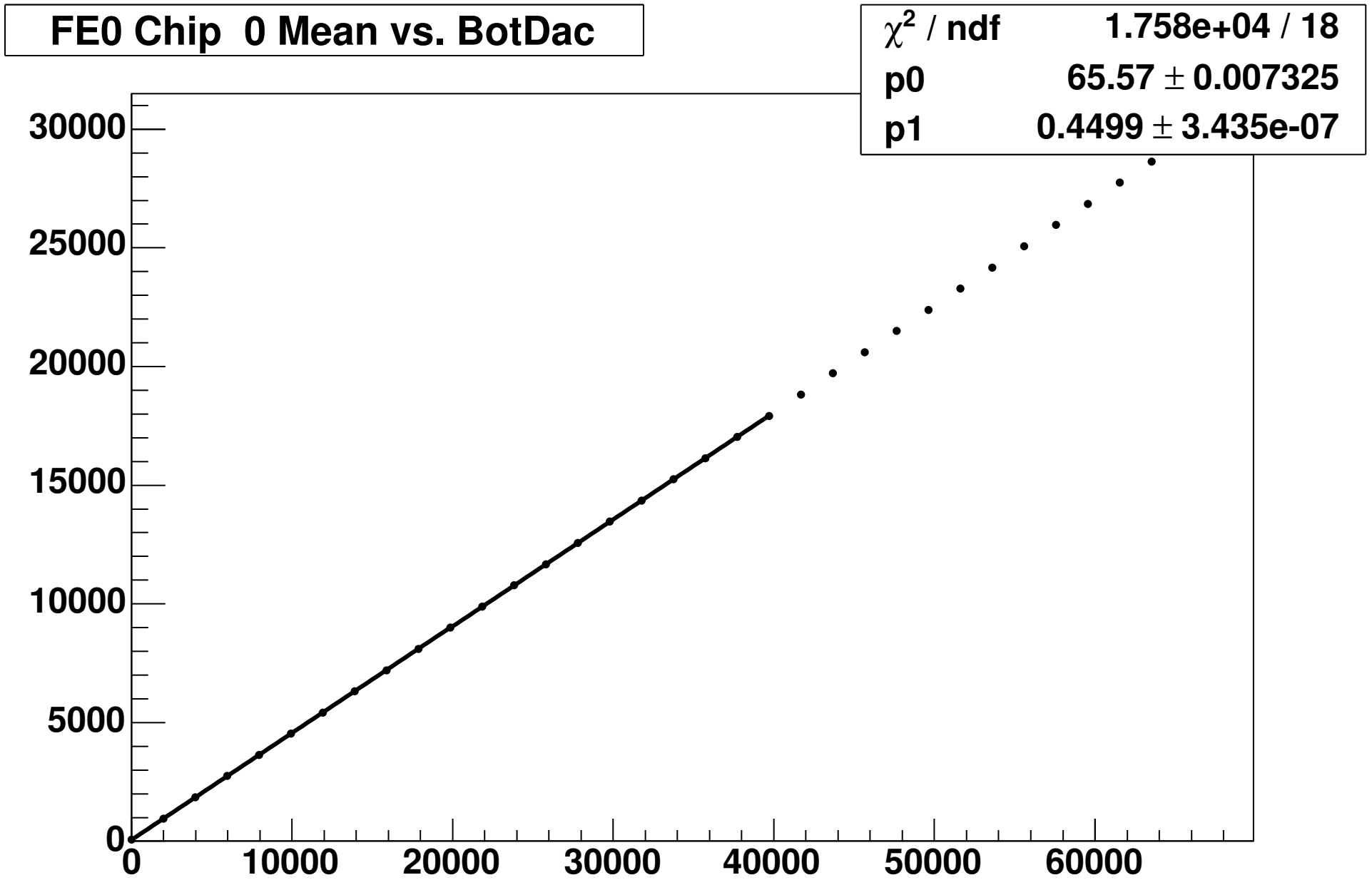
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.758e+04 / 18
p0 65.57 ± 0.007325
p1 0.4499 ± 3.435e-07
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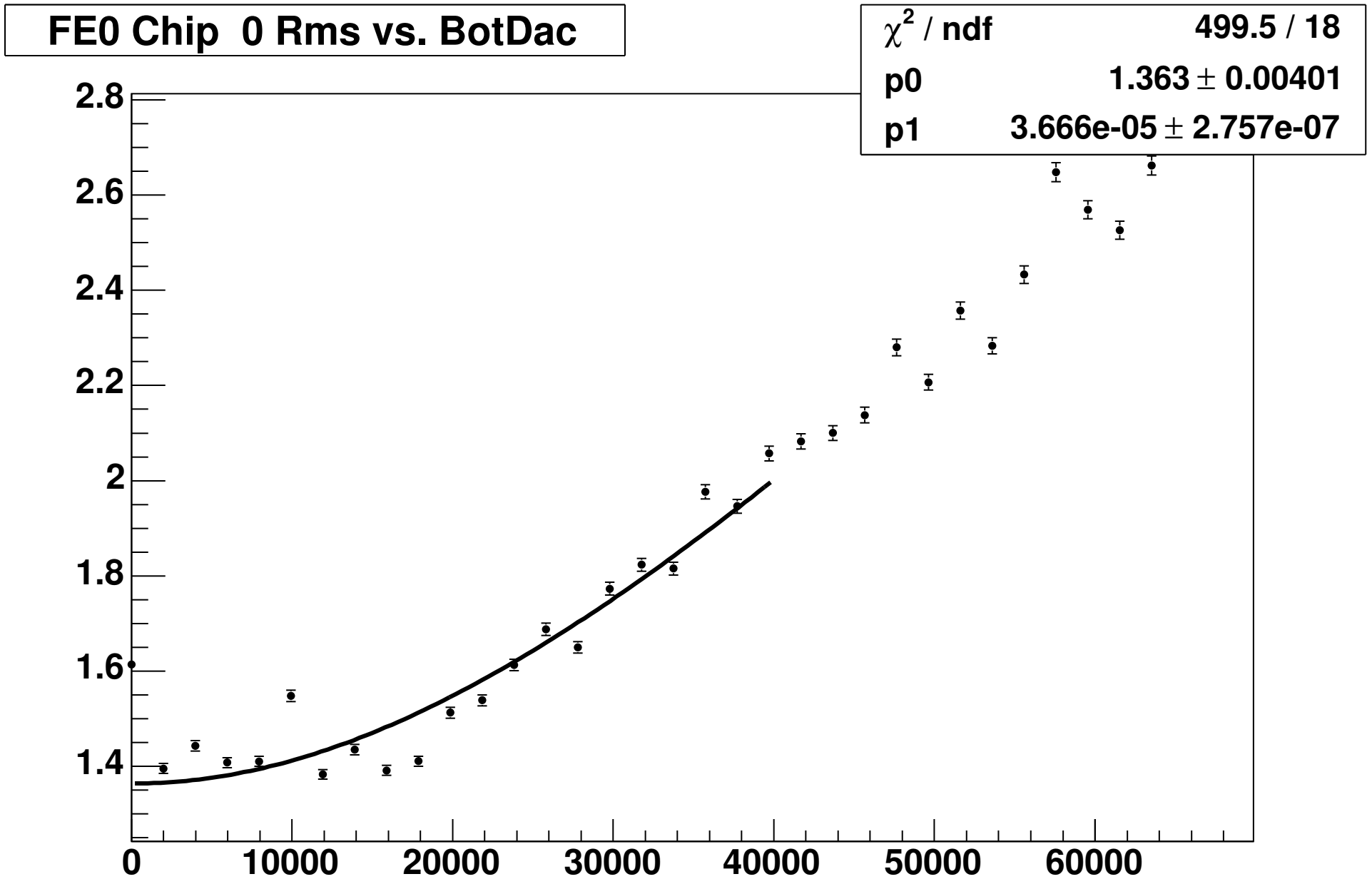
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 499.5 / 18
p0 1.363 ± 0.00401
p1 3.666e-05 ± 2.757e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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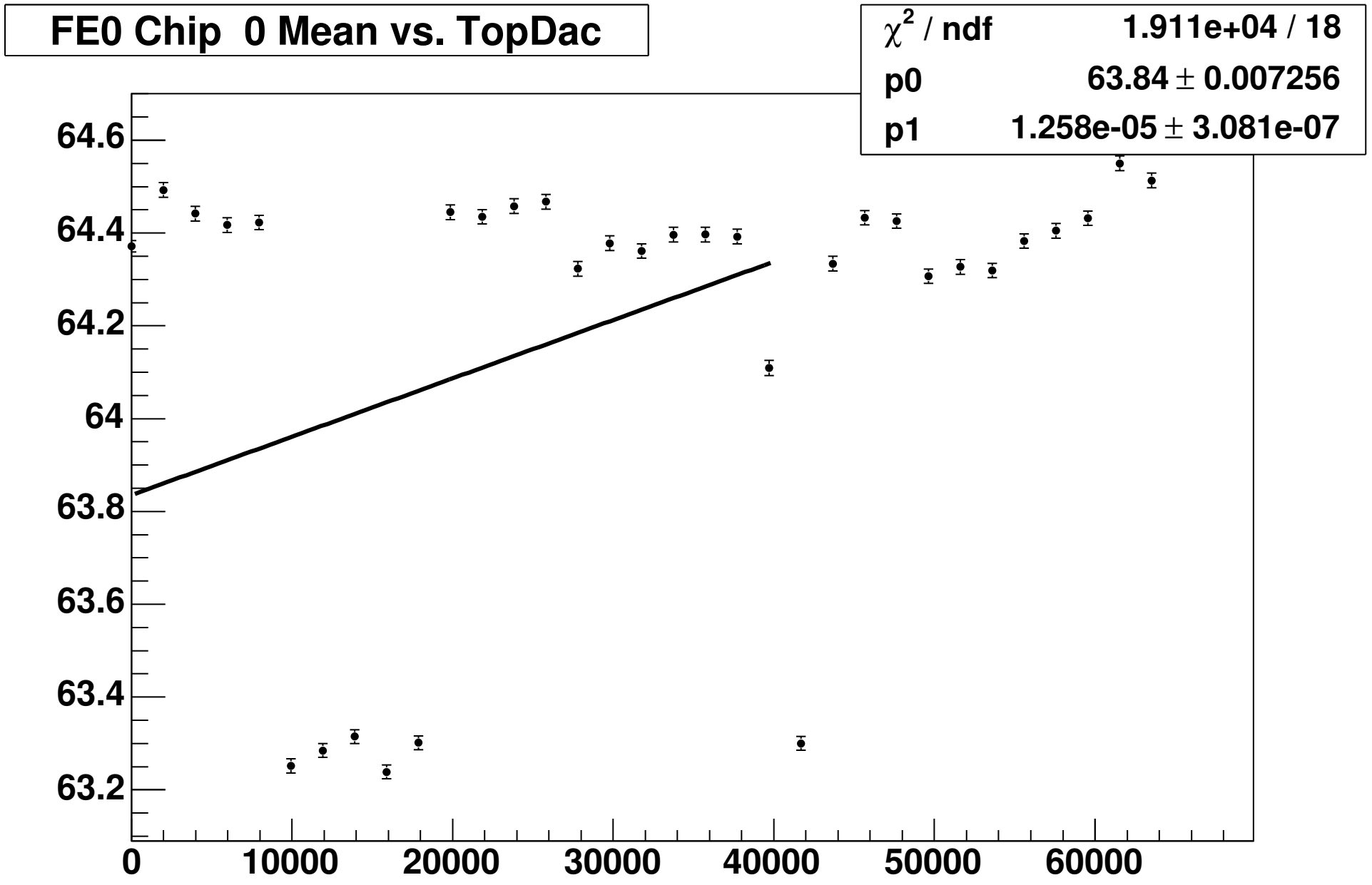
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 1.911e+04 / 18
p0 63.84 ± 0.007256
p1 1.258e-05 ± 3.081e-07
64.6
64.4
64.2
64
63.8
63.6
63.4
63.2
0
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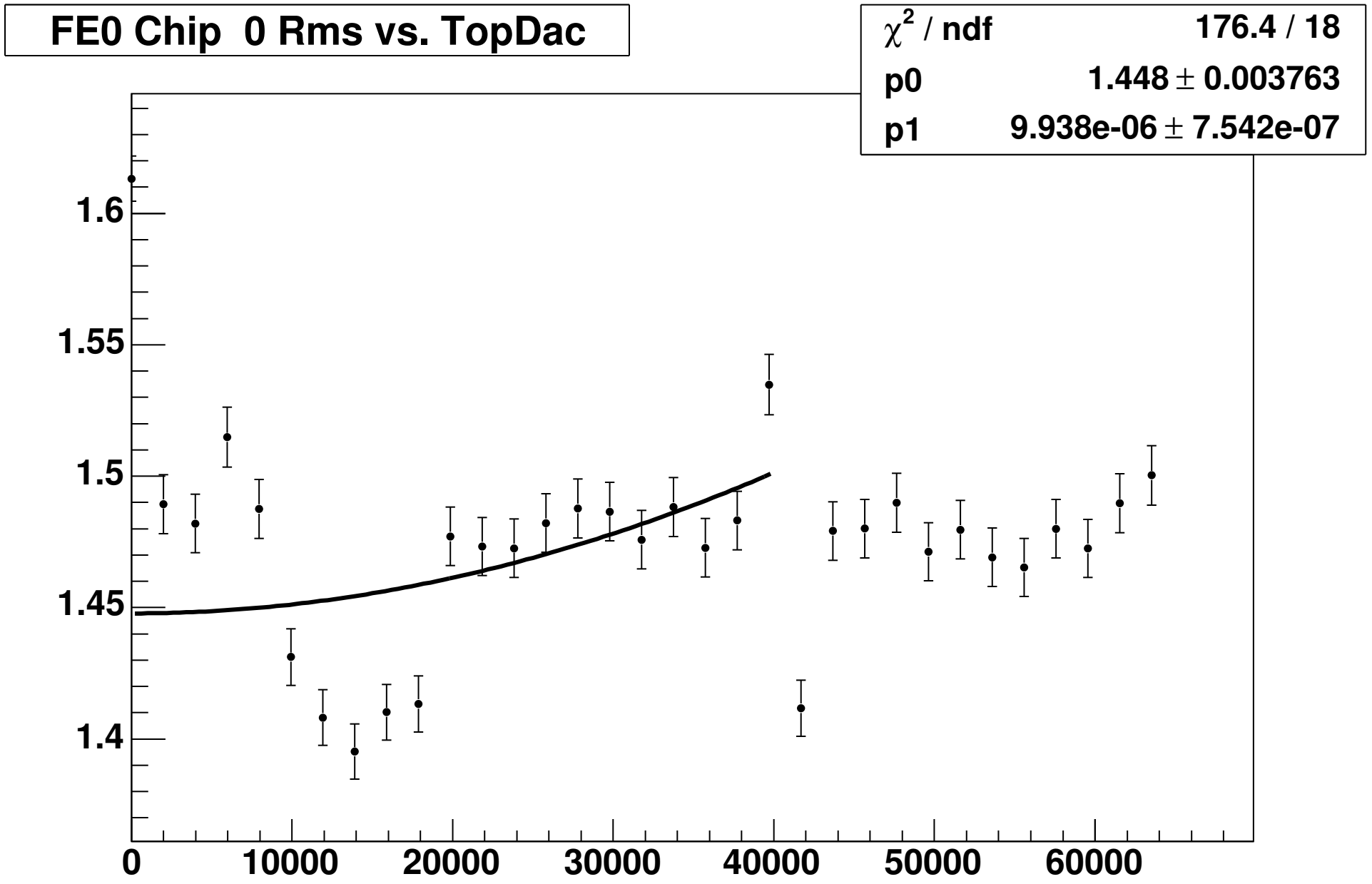
40000
50000
60000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 176.4 / 18
p0 1.448 ± 0.003763
p1 9.938e-06 ± 7.542e-07
1.6
1.55
1.5
1.45
1.4
0
10000
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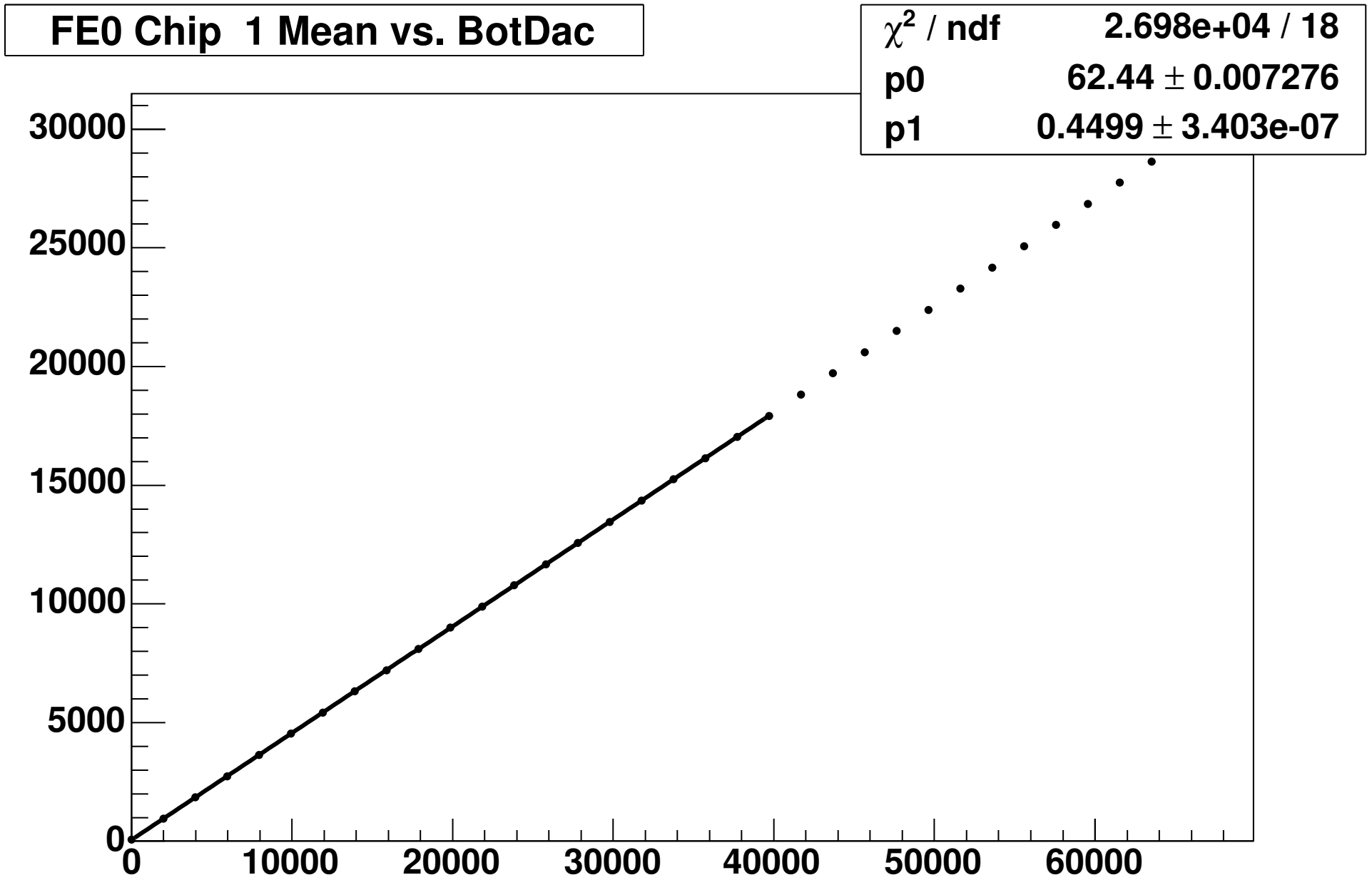
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 2.698e+04 / 18
p0 62.44 ± 0.007276
p1 0.4499 ± 3.403e-07
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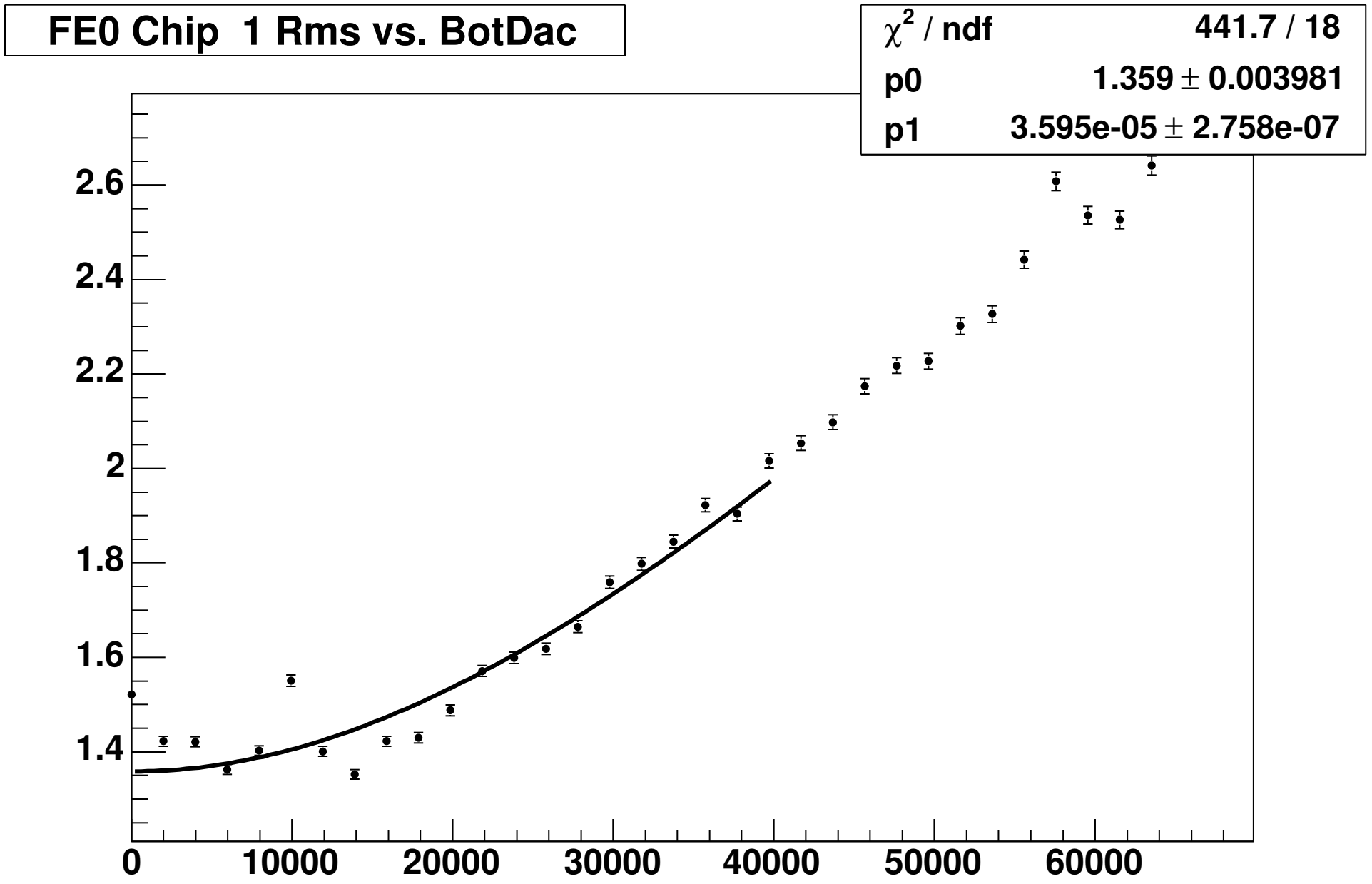
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 441.7 / 18
p0 1.359 ± 0.003981
p1 3.595e-05 ± 2.758e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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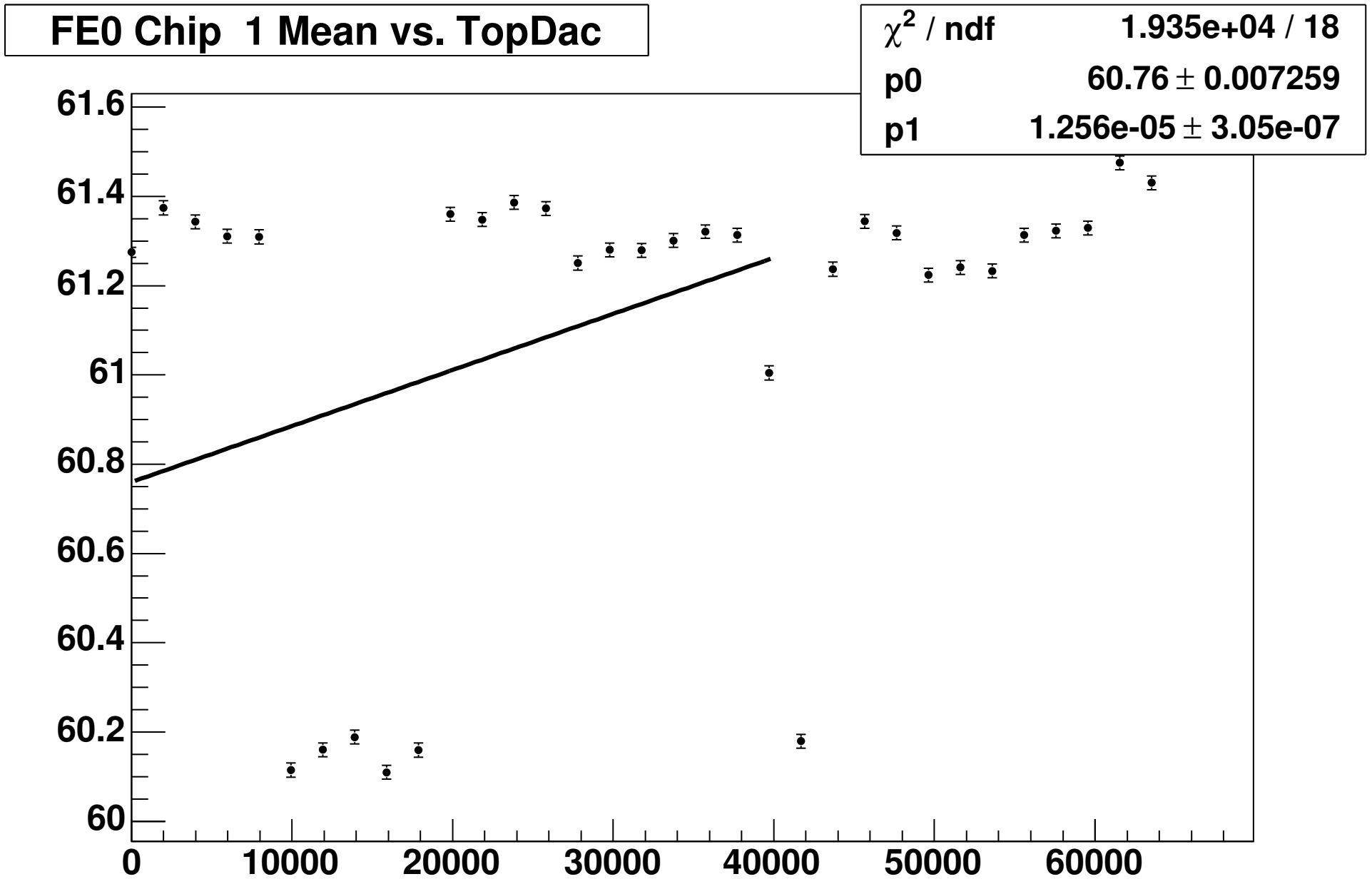
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 1.935e+04 / 18
p0 60.76 ± 0.007259
p1 1.256e-05 ± 3.05e-07
61.6
61.4
61.2
61
60.8
60.6
60.4
60.2
60
0
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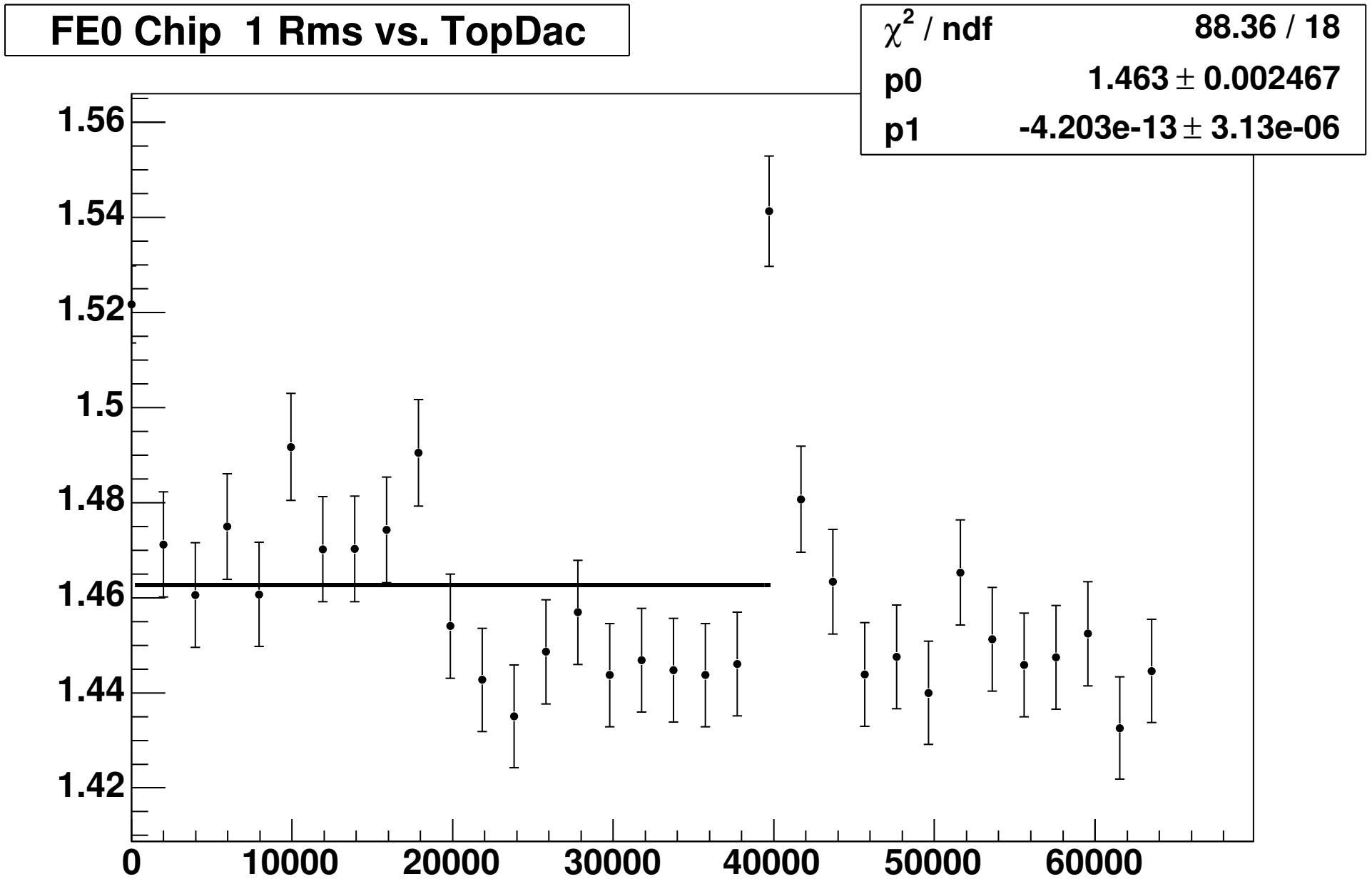
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 88.36 / 18
p0 1.463 ± 0.002467
p1 -4.203e-13 ± 3.13e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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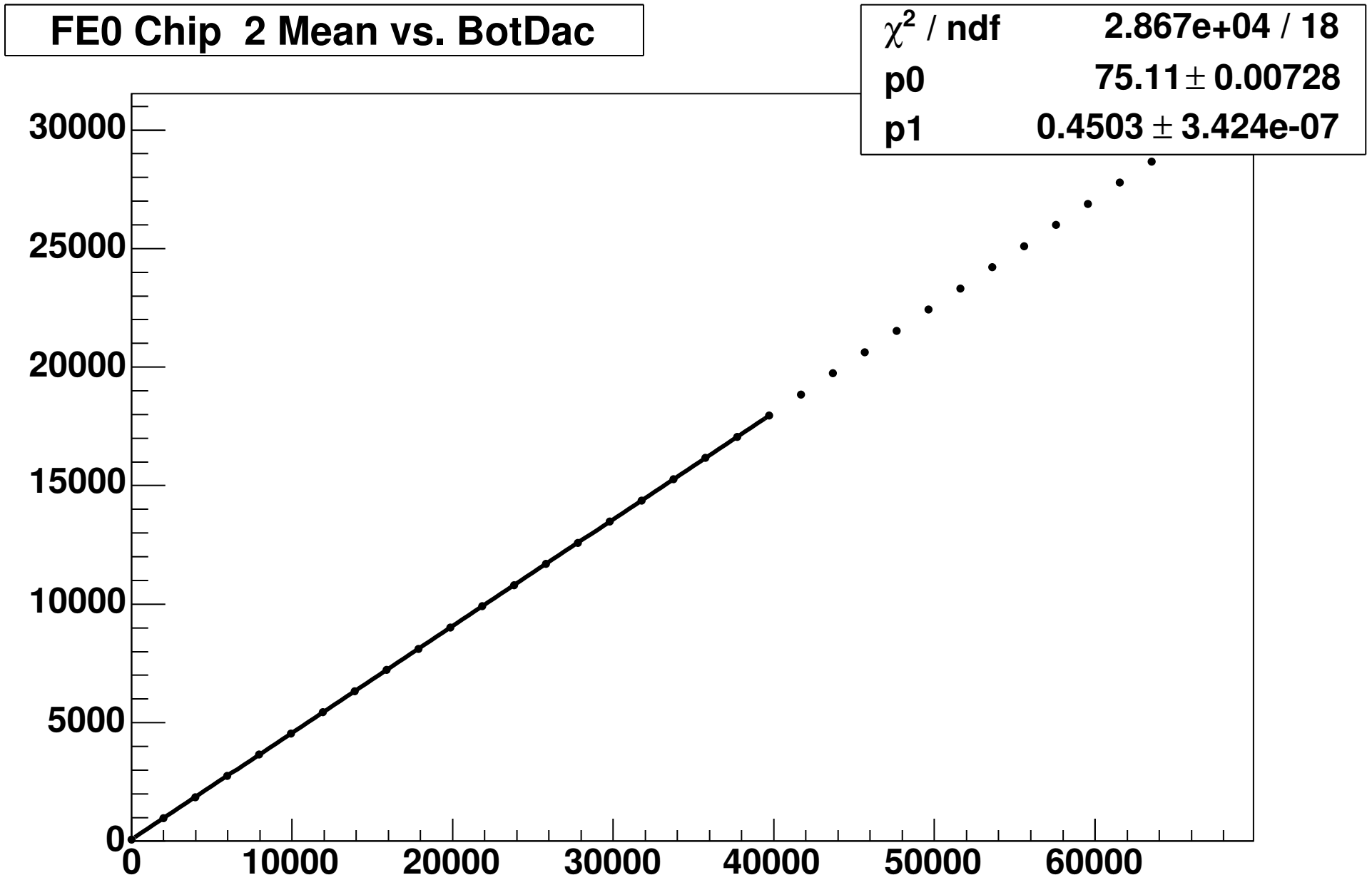
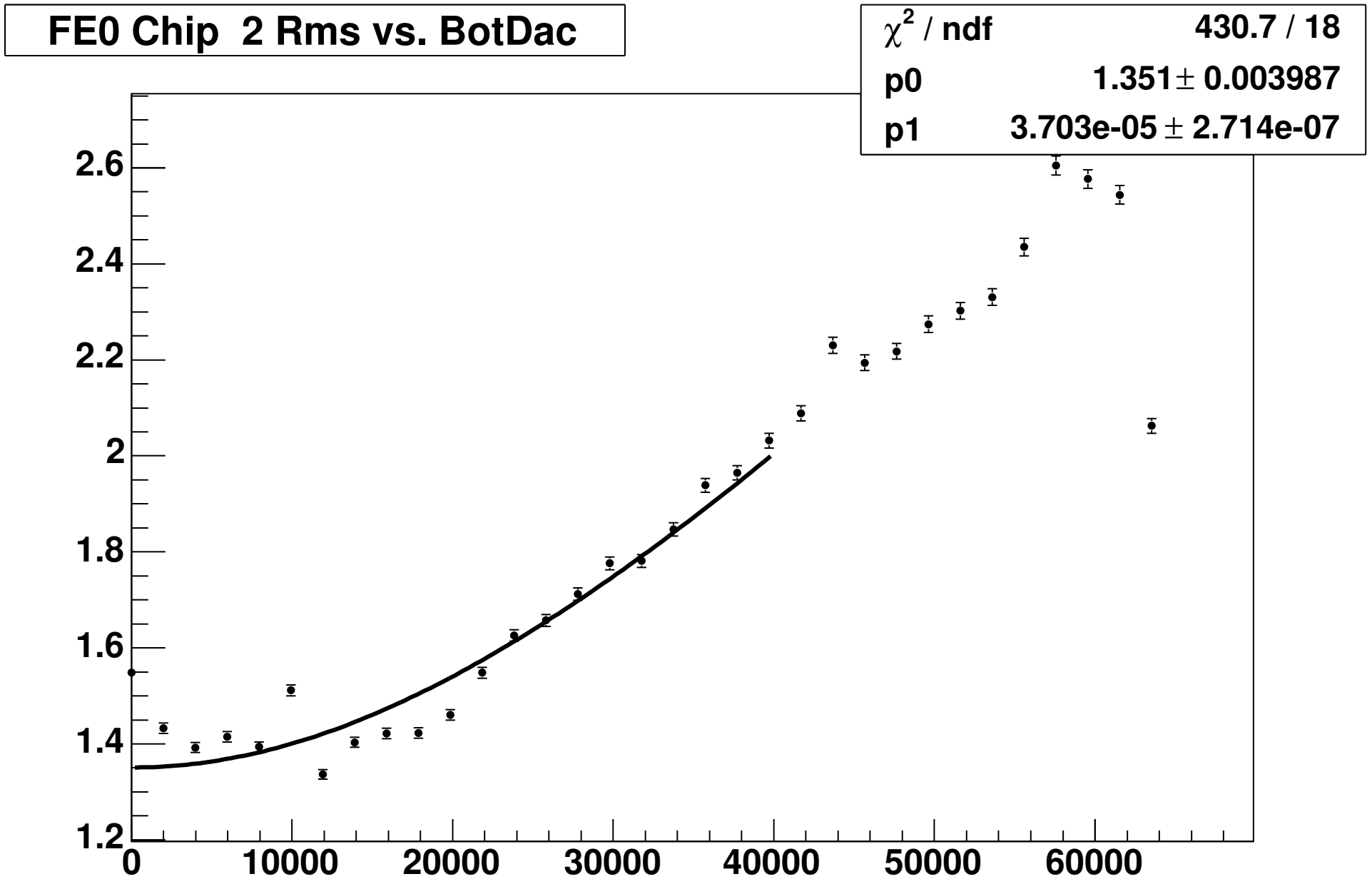
30000
40000
50000
60000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 2.867e+04 / 18
p0 75.11 ± 0.00728
p1 0.4503 ± 3.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 430.7 / 18
p0 1.351 ± 0.003987
p1 3.703e-05 ± 2.714e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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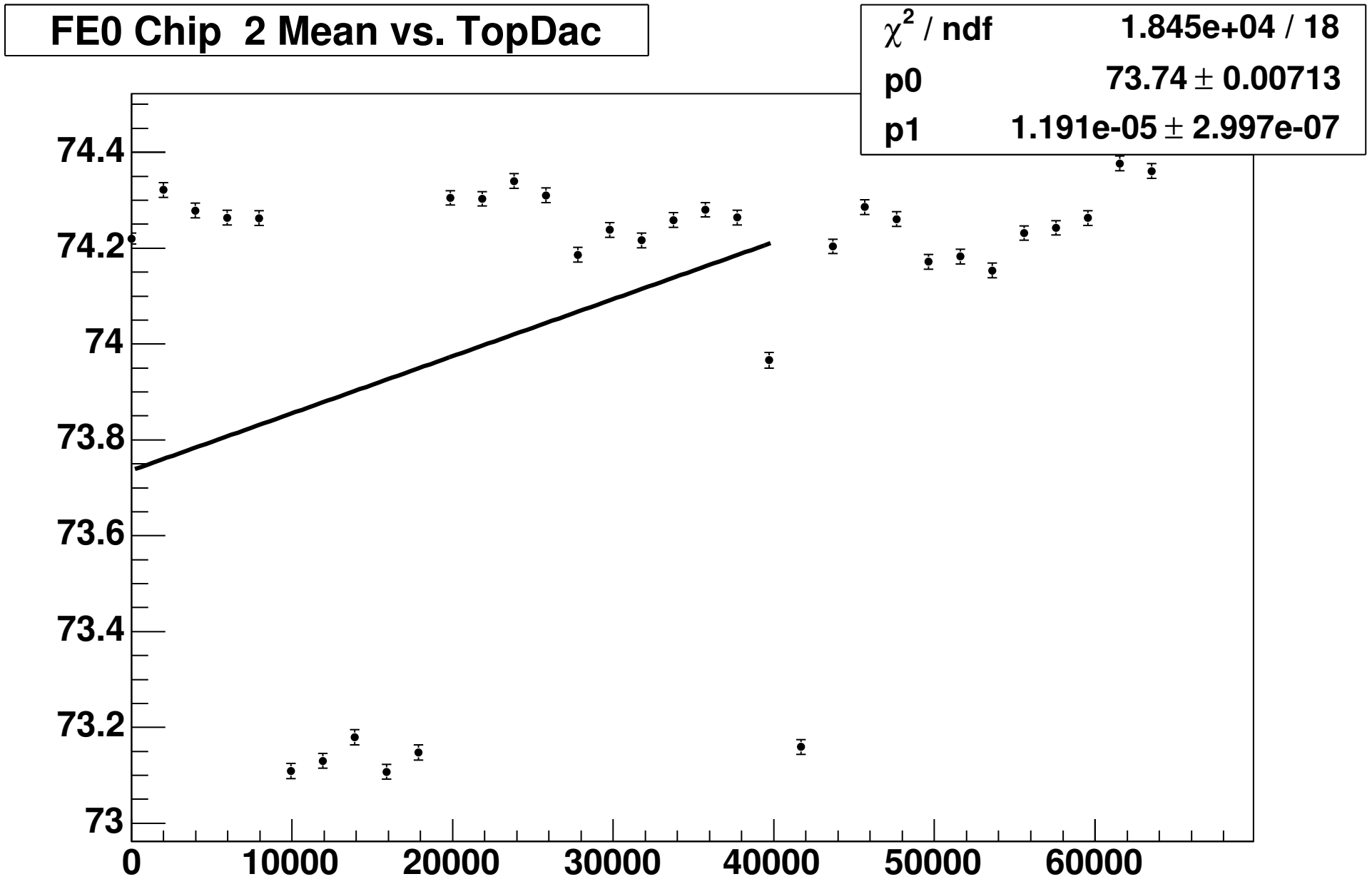
40000
50000
60000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 1.845e+04 / 18
p0 73.74 ± 0.00713
p1 1.191e-05 ± 2.997e-07
74.4
74.2
74
73.8
73.6
73.4
73.2
73
0
10000
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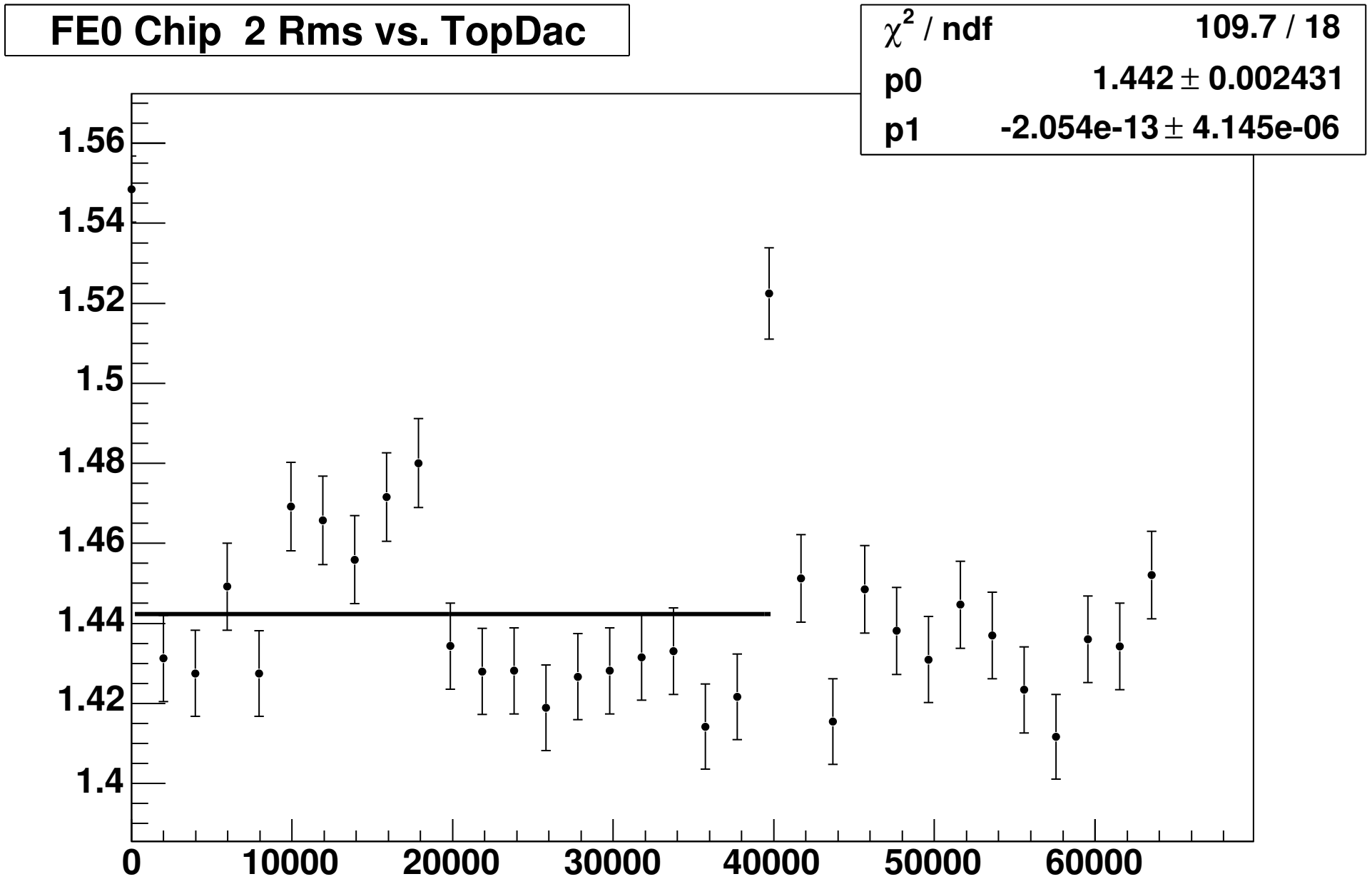
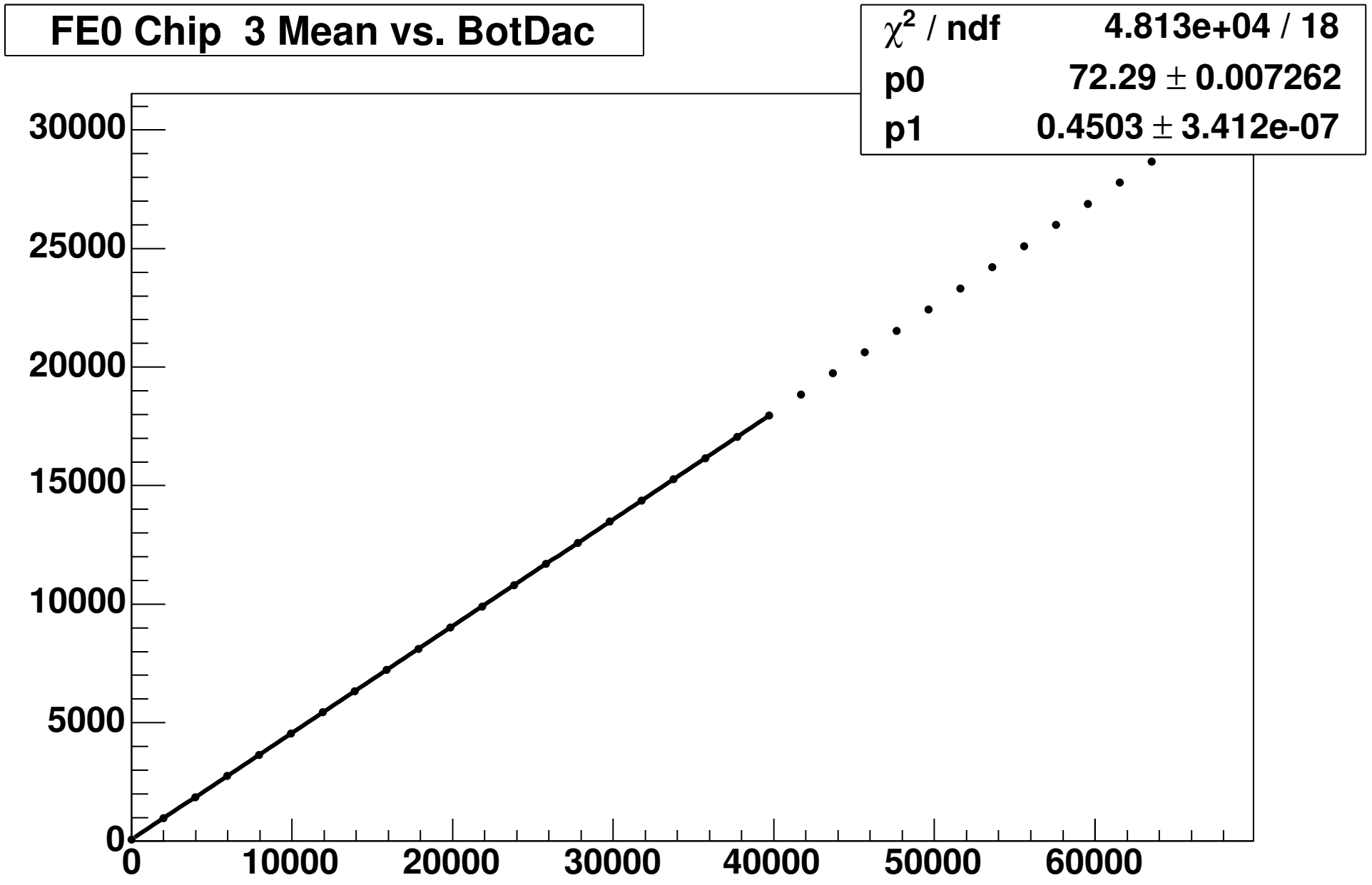
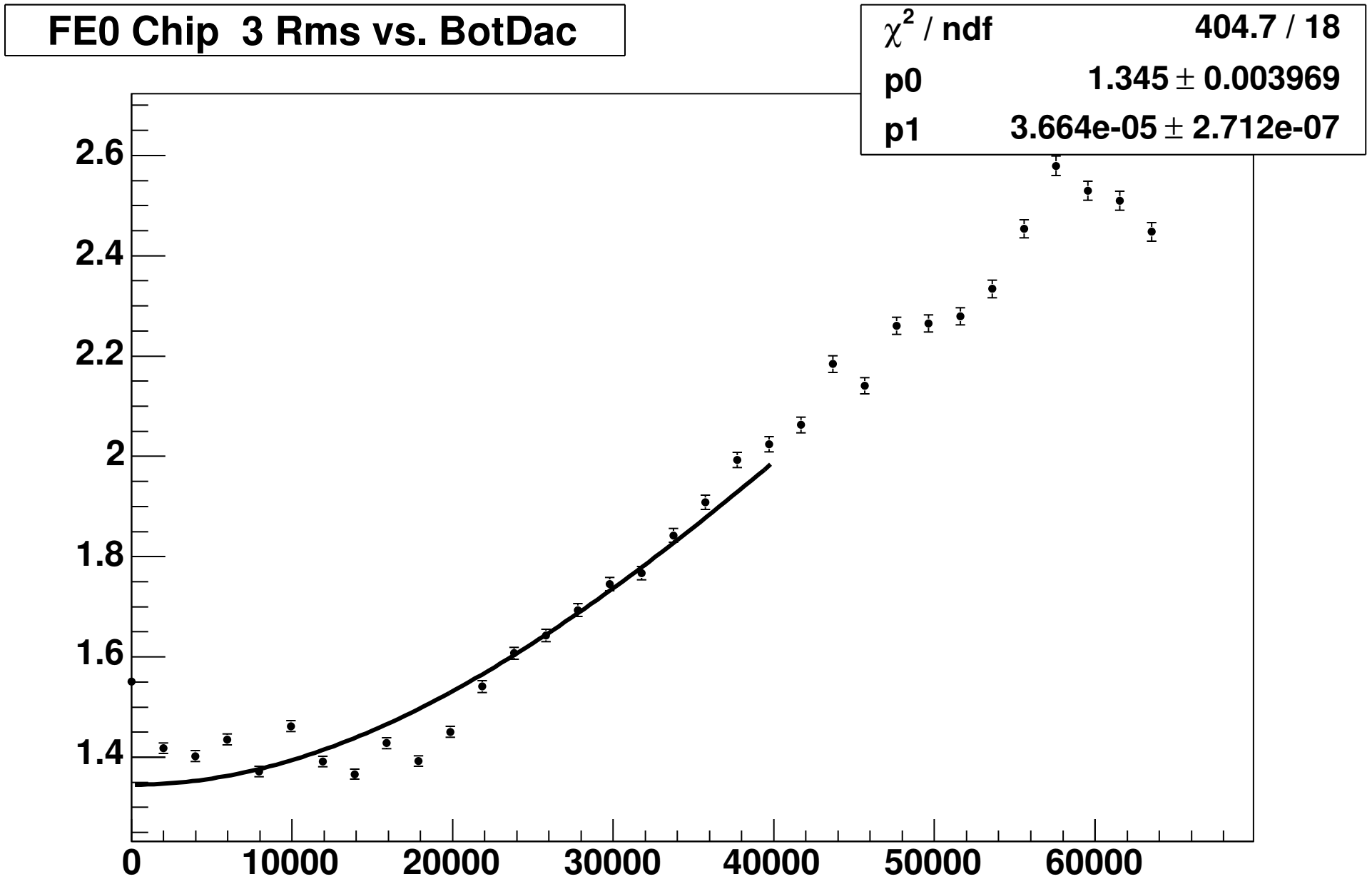
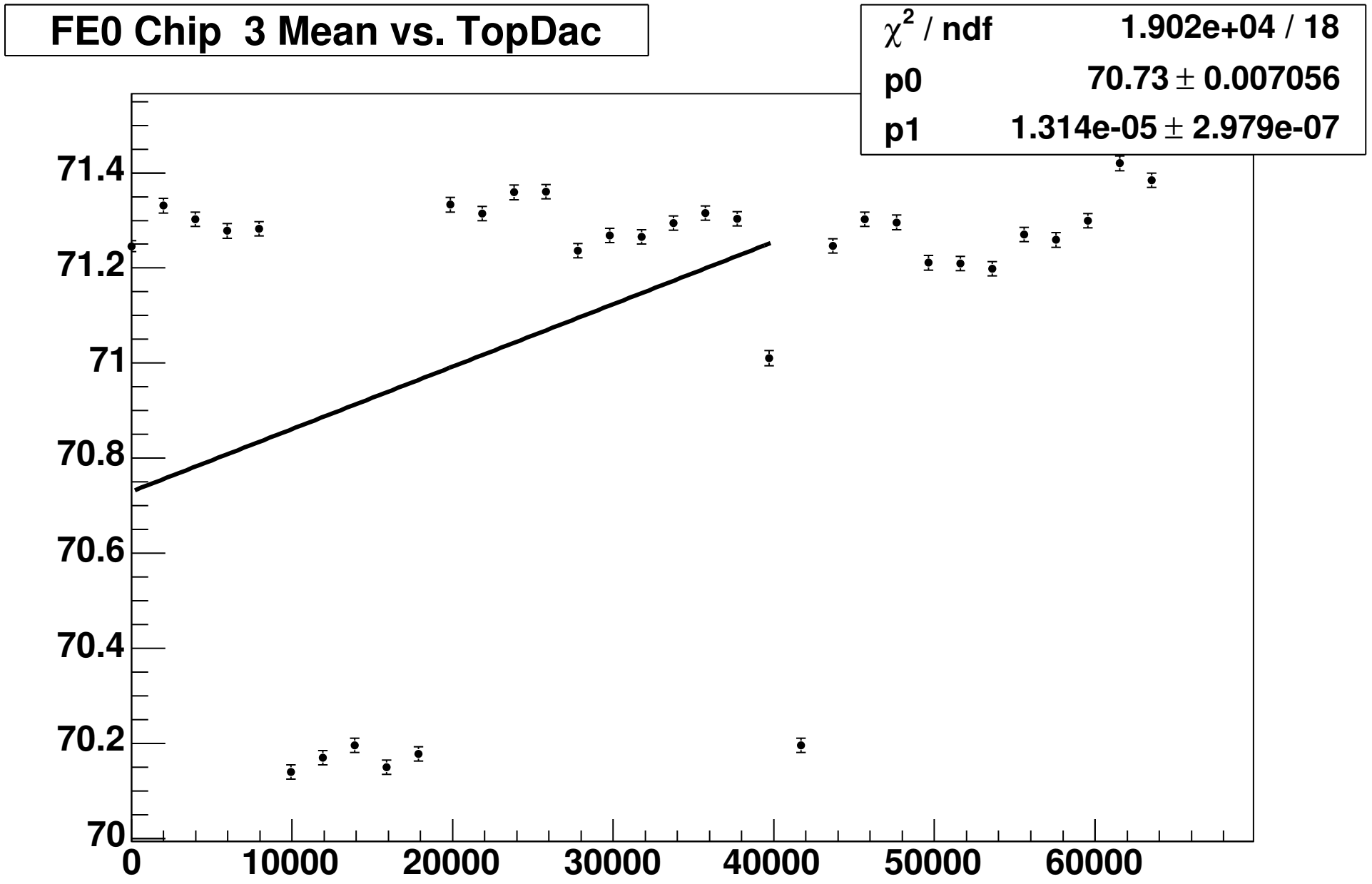
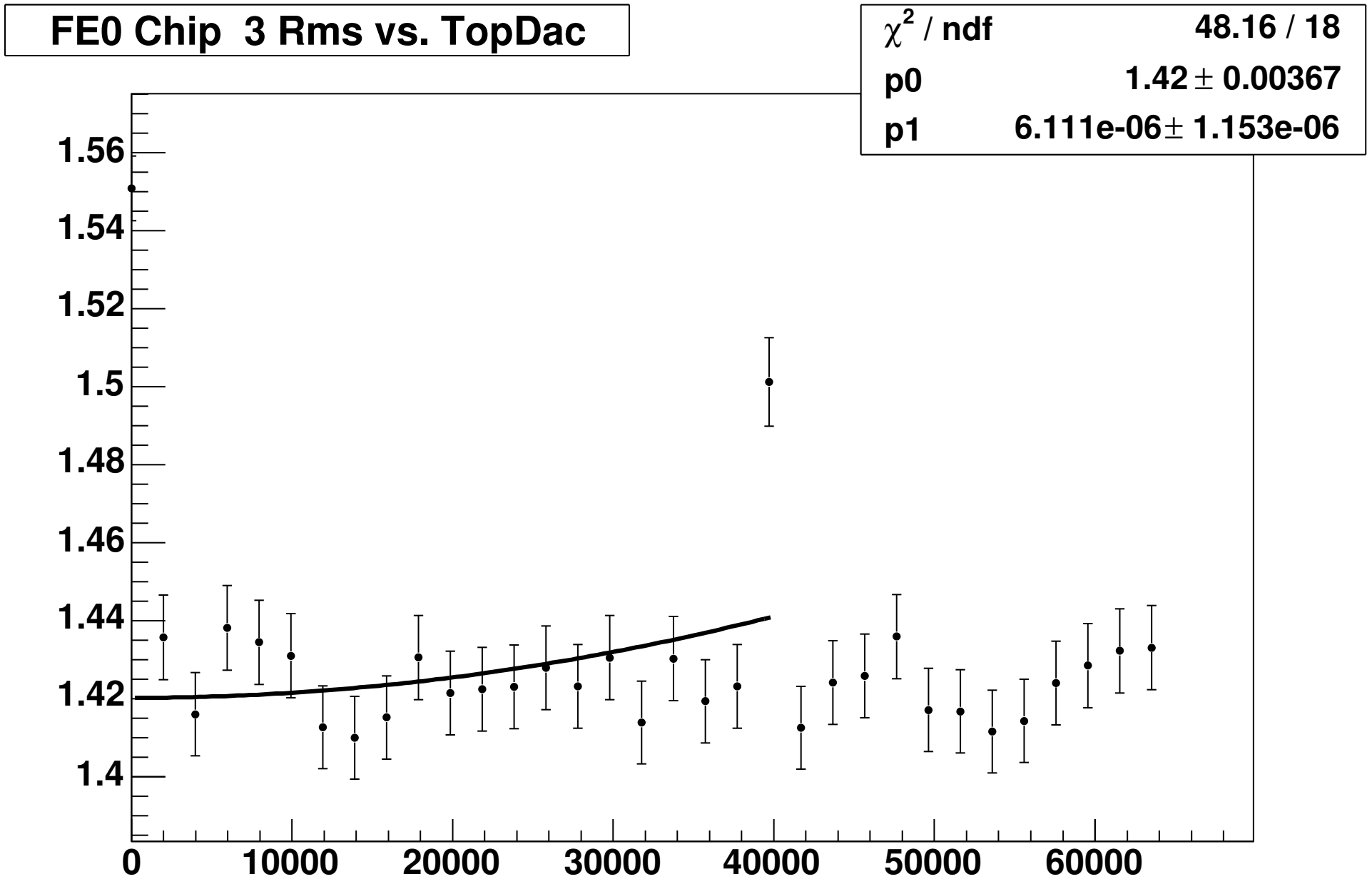
30000
40000
50000
60000

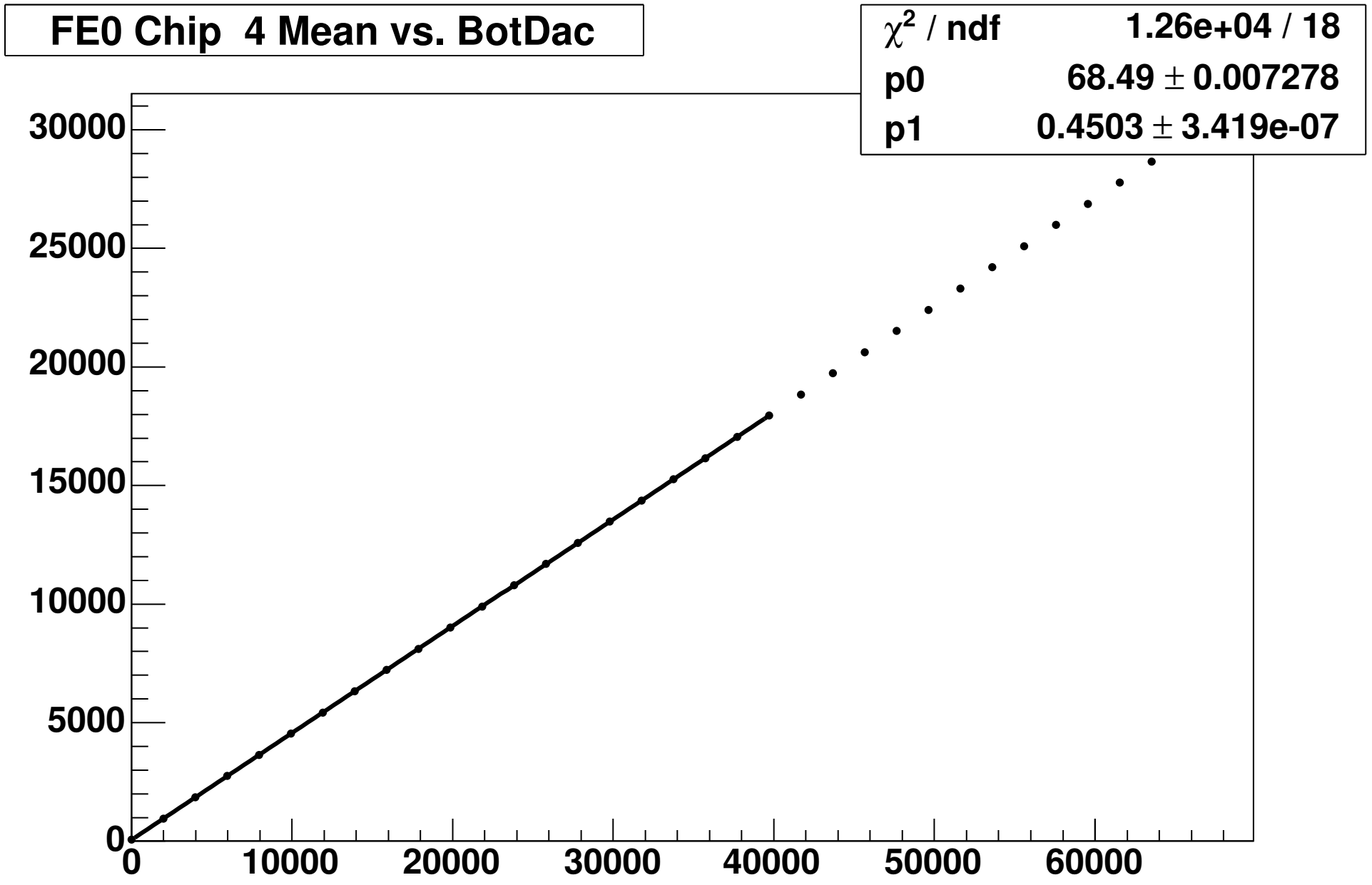

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 109.7 / 18
p0 1.442 ± 0.002431
p1 -2.054e-13 ± 4.145e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

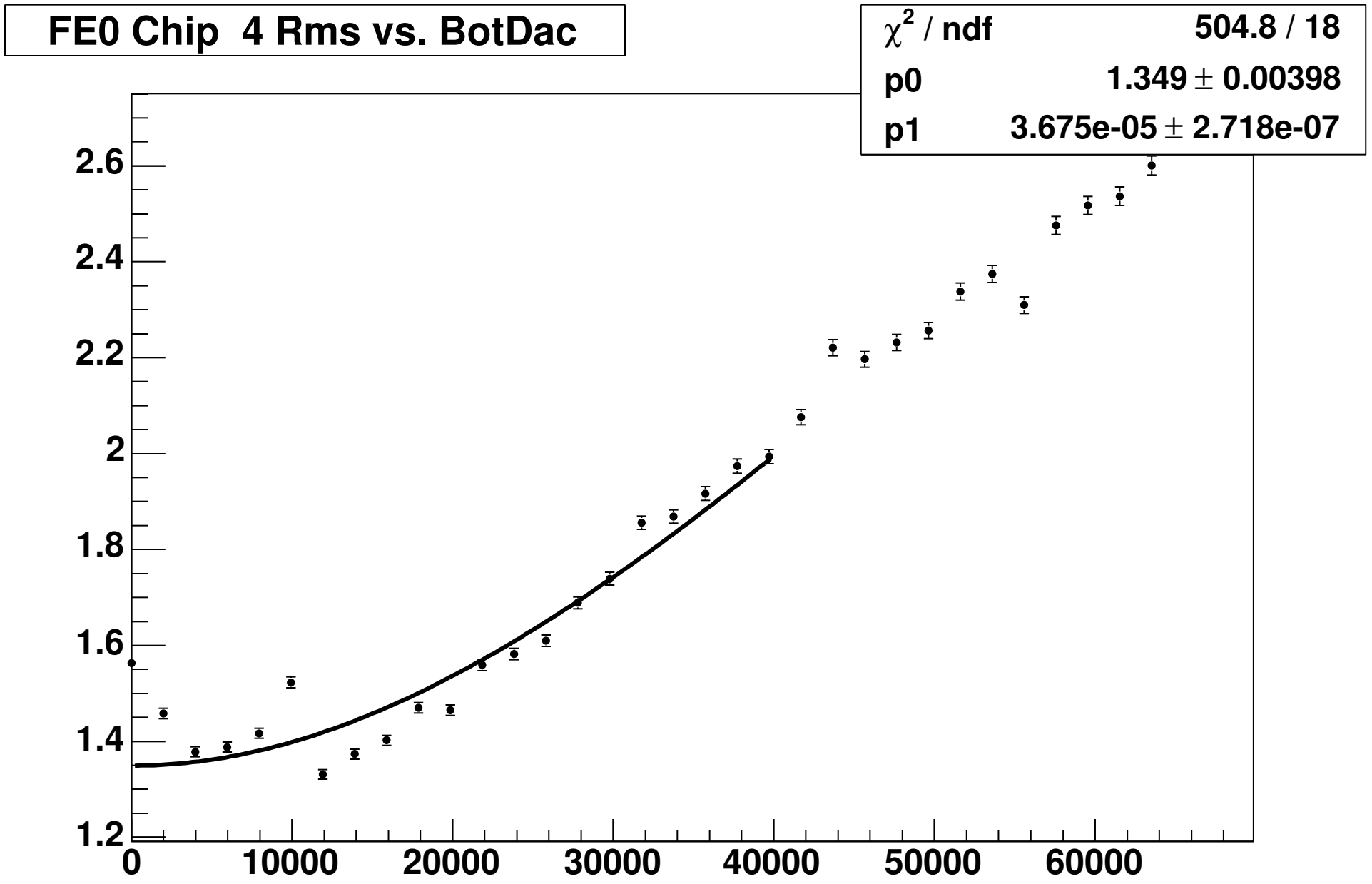

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 4.813e+04 / 18
p0 72.29 ± 0.007262
p1 0.4503 ± 3.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

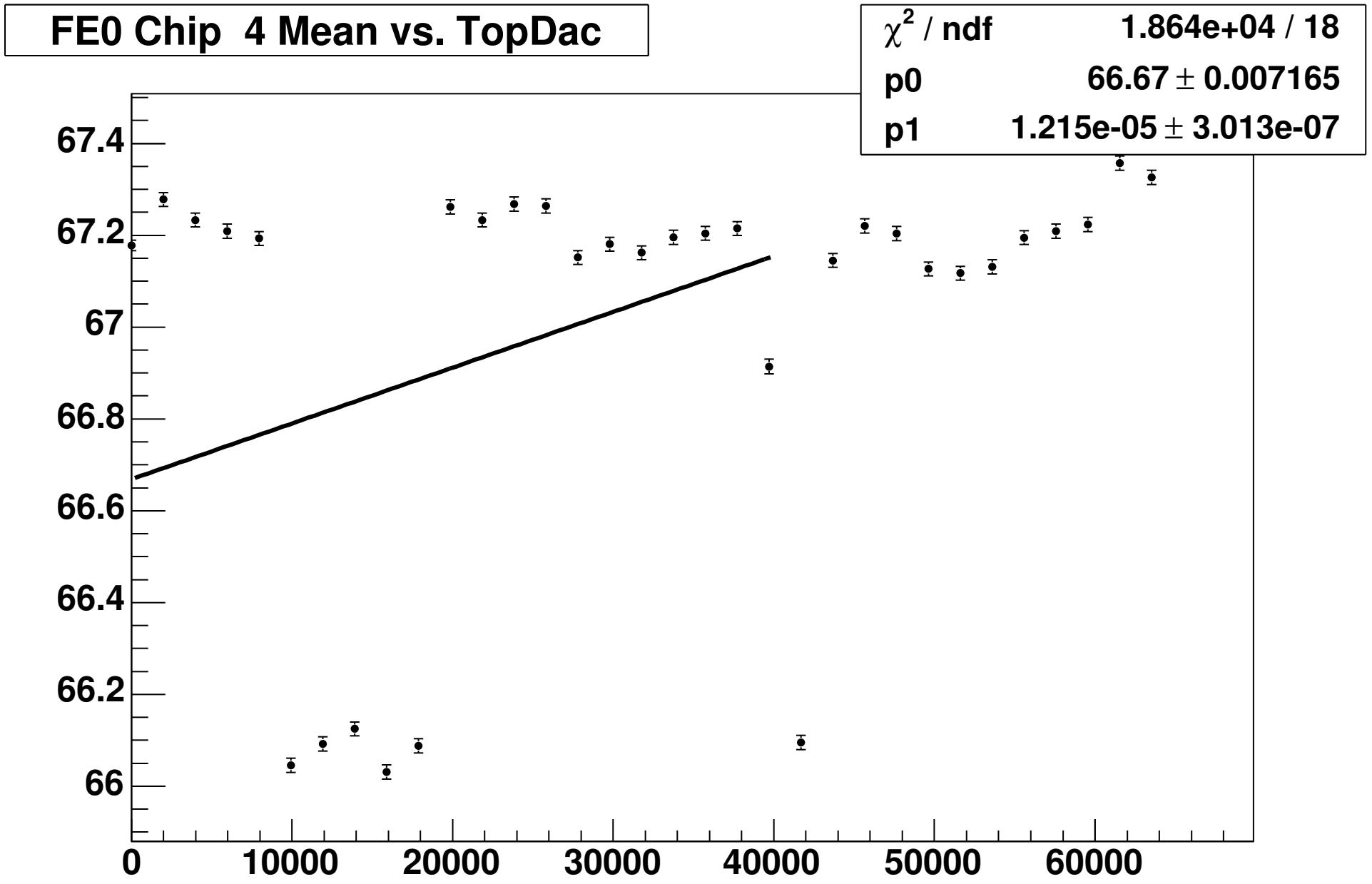

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 404.7 / 18
p0 1.345 ± 0.003969
p1 3.664e-05 ± 2.712e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

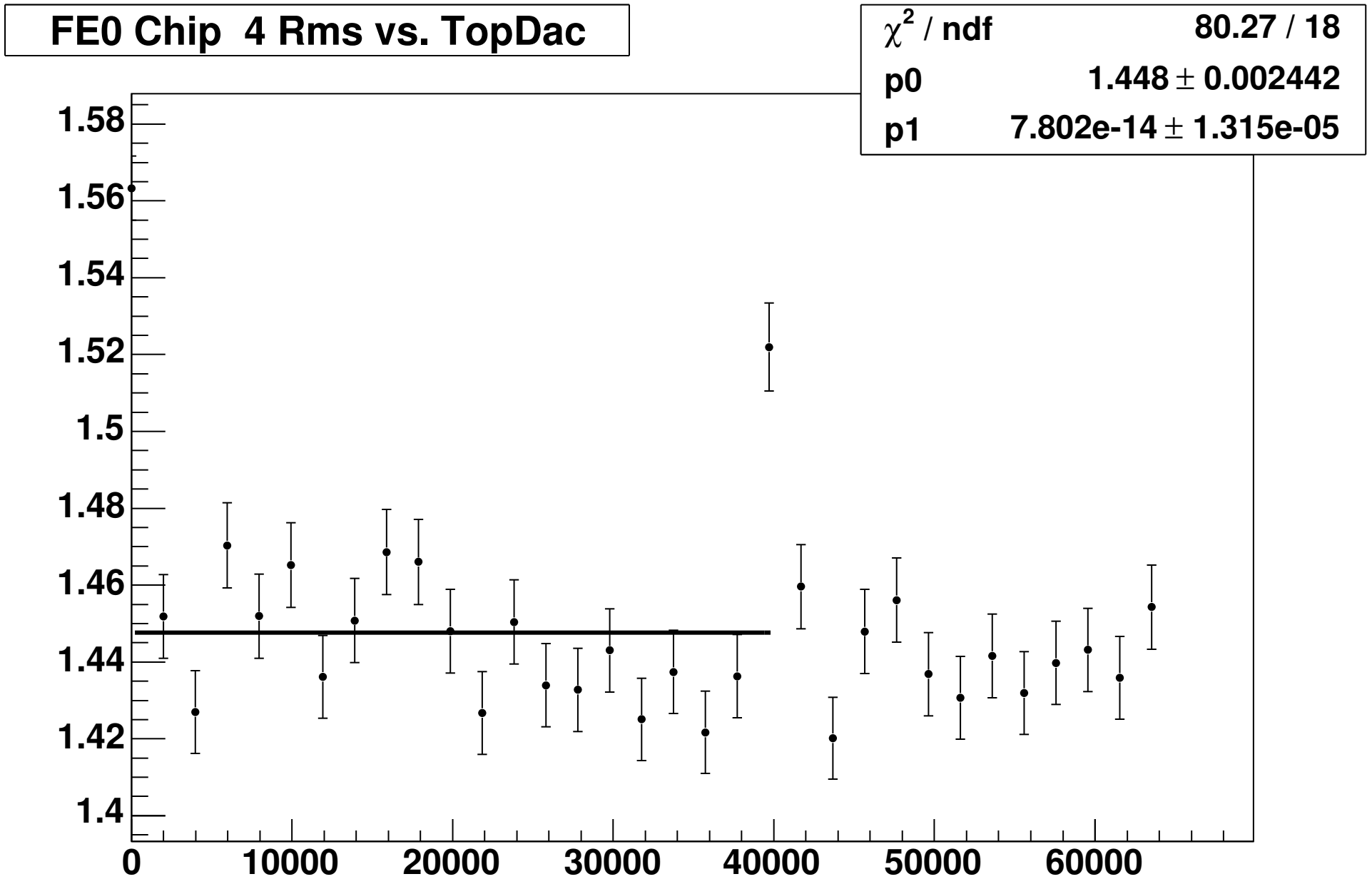

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 1.902e+04 / 18
p0 70.73 ± 0.007056
p1 1.314e-05 ± 2.979e-07
71.4
71.2
71
70.8
70.6
70.4
70.2
70
0
10000
20000
30000
40000
50000
60000

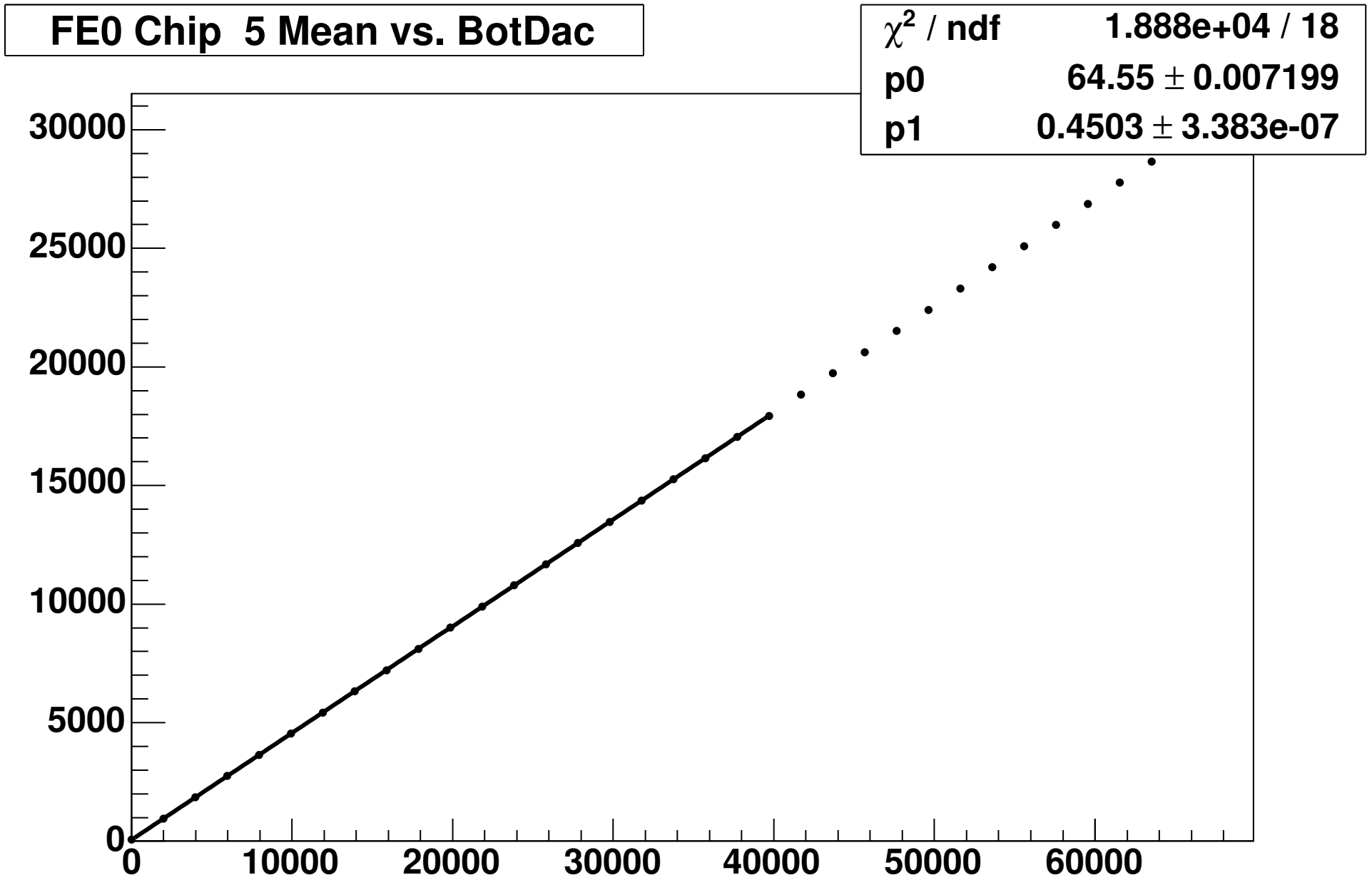

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 48.16 / 18
p0 1.42 ± 0.00367
p1 6.111e-06 ± 1.153e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.26e+04 / 18
p0 68.49 ± 0.007278
p1 0.4503 ± 3.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 504.8 / 18
p0 1.349 ± 0.00398
p1 3.675e-05 ± 2.718e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 1.864e+04 / 18
p0 66.67 ± 0.007165
p1 1.215e-05 ± 3.013e-07
67.4
67.2
67
66.8
66.6
66.4
66.2
66
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 80.27 / 18
p0 1.448 ± 0.002442
p1 7.802e-14 ± 1.315e-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 5 Mean vs. BotDac
χ² / ndf 1.888e+04 / 18
p0 64.55 ± 0.007199
p1 0.4503 ± 3.383e-07
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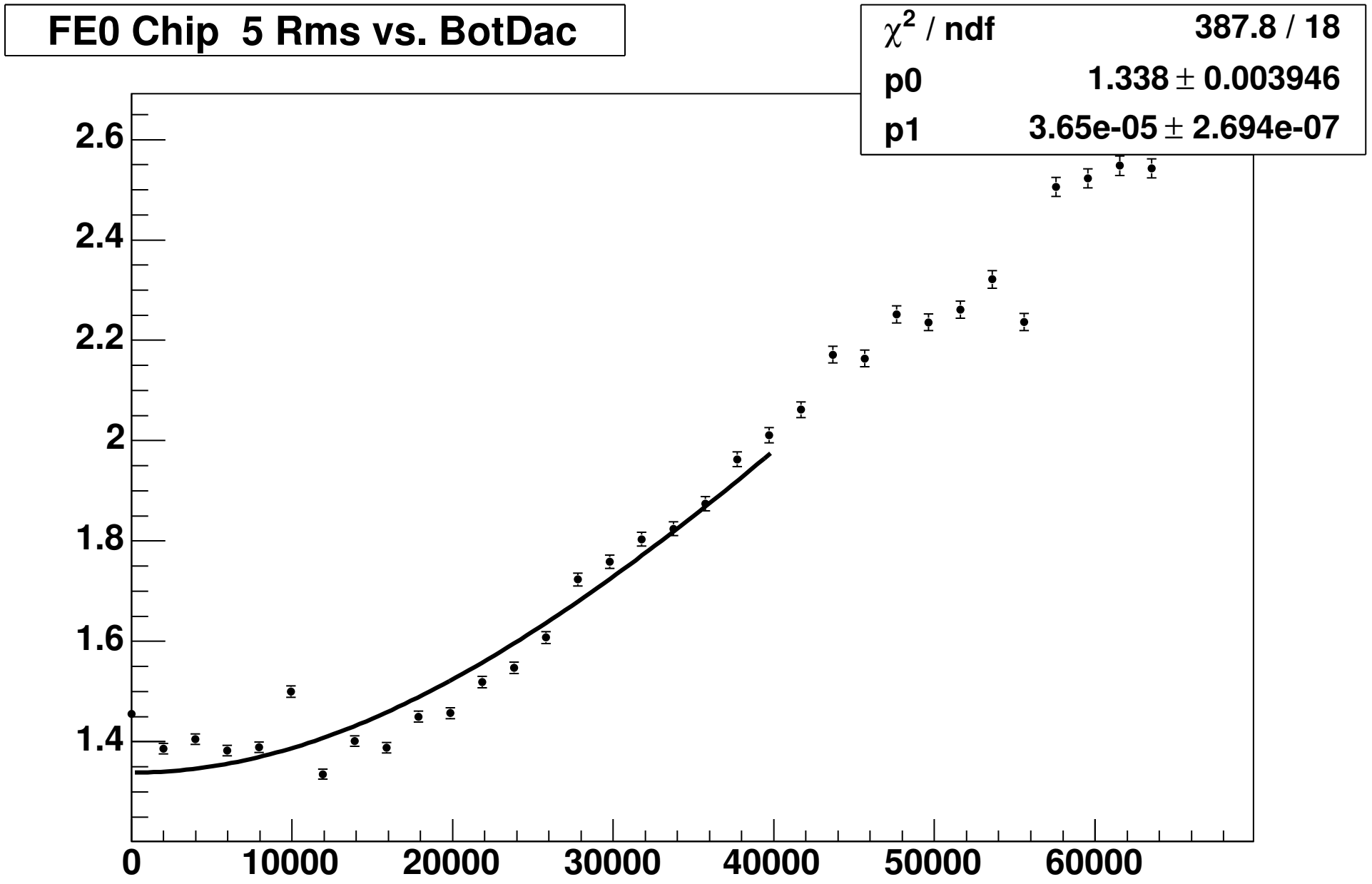
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 387.8 / 18
p0 1.338 ± 0.003946
p1 3.65e-05 ± 2.694e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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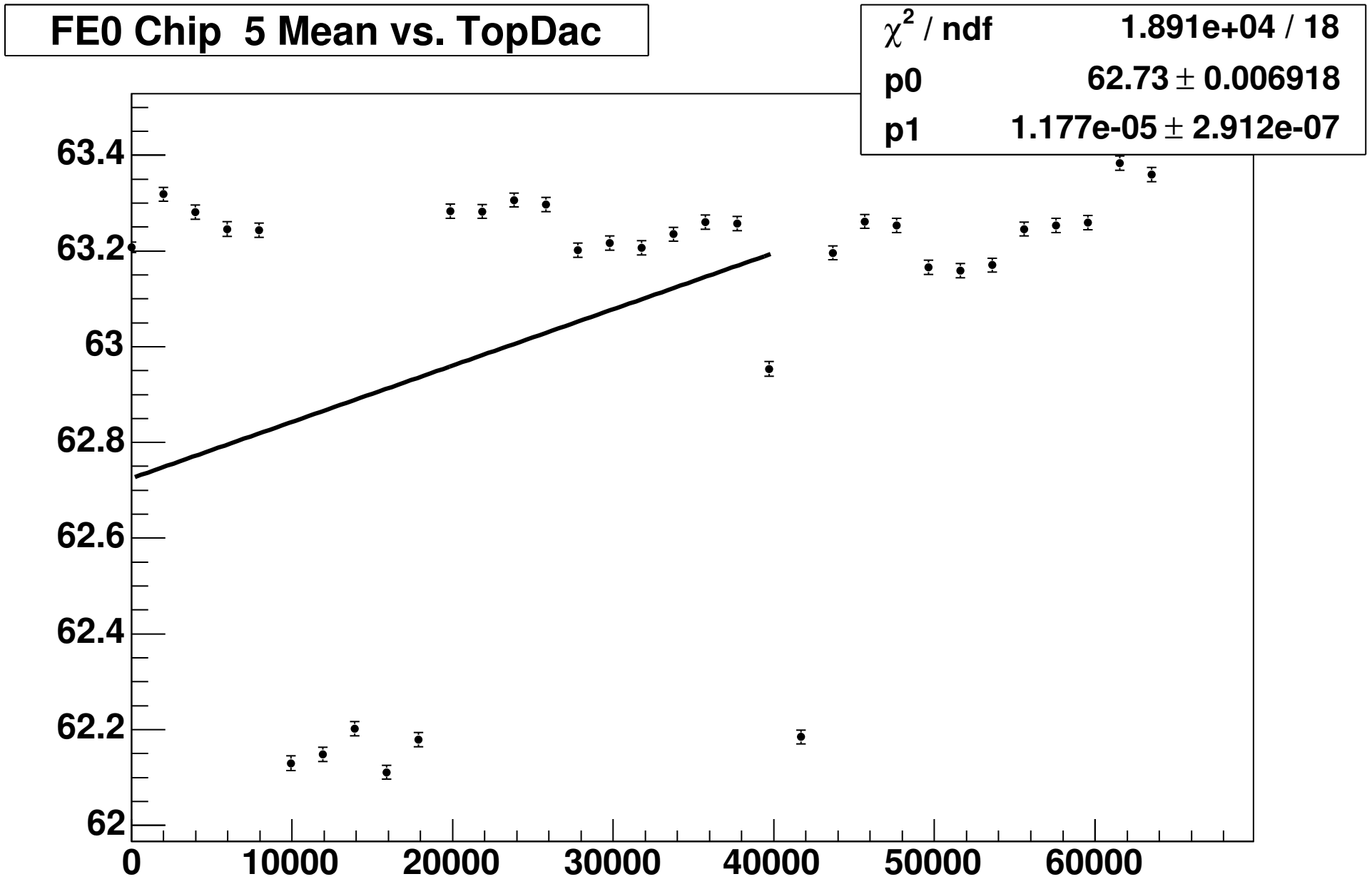
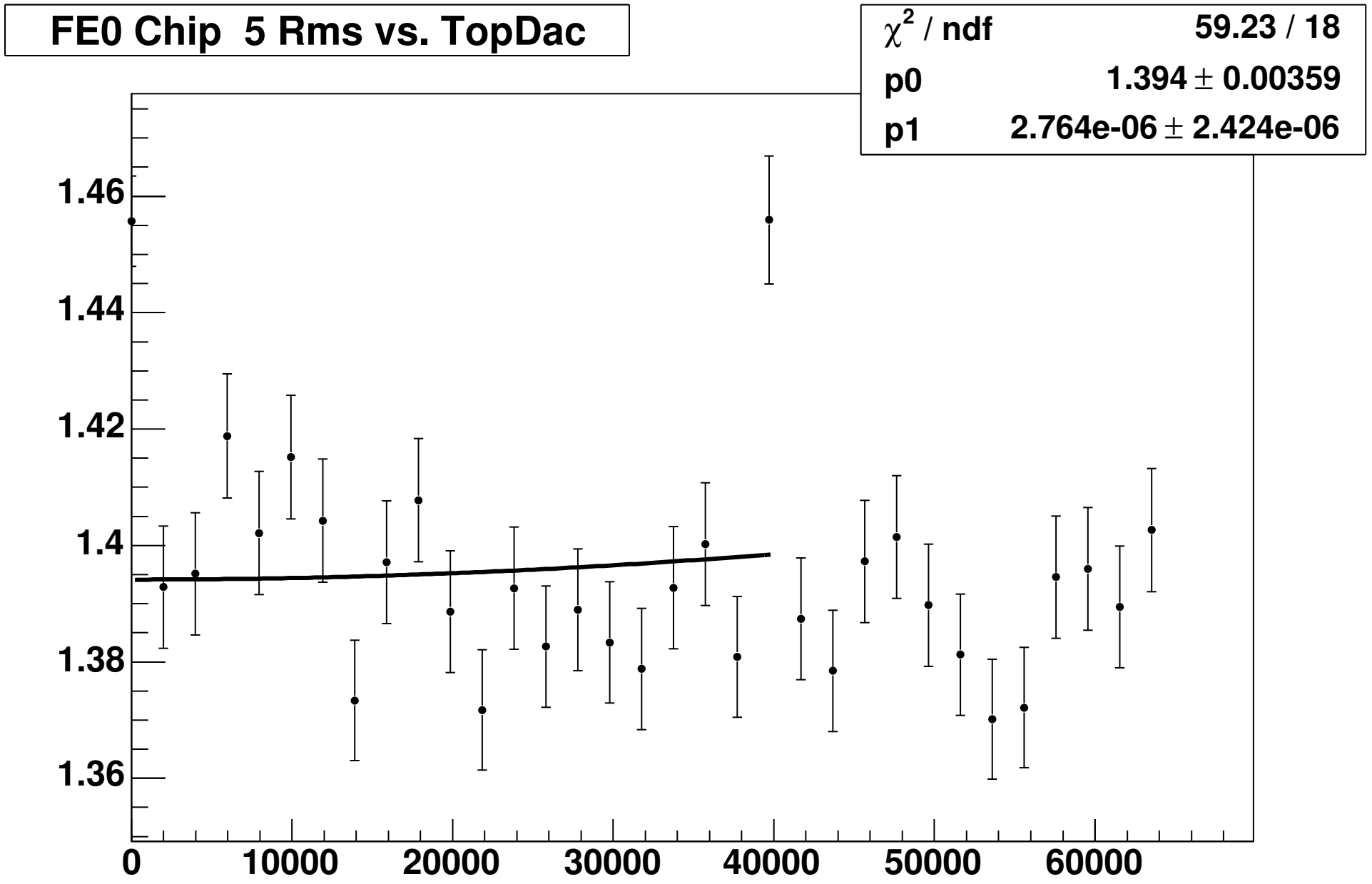
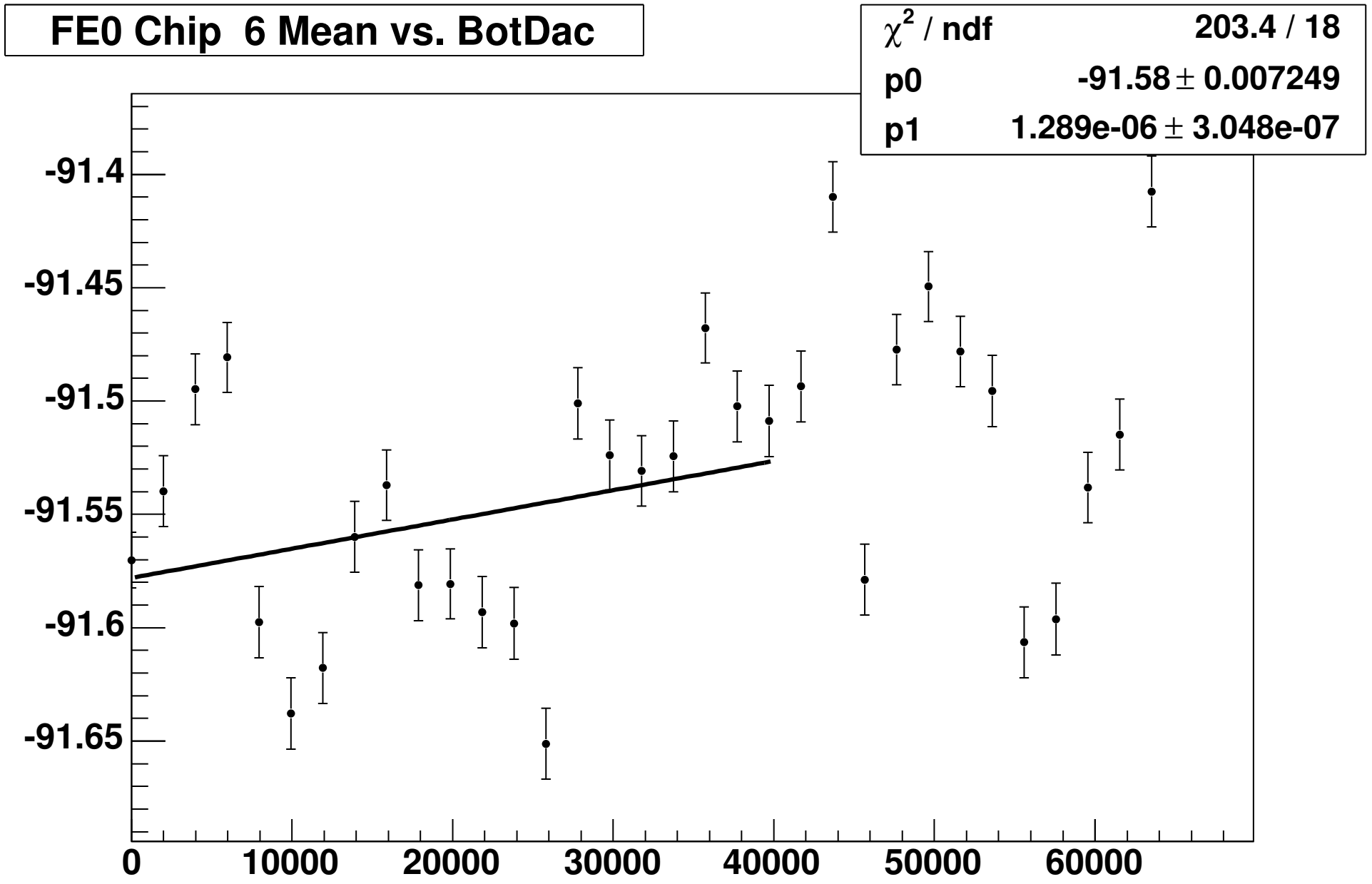
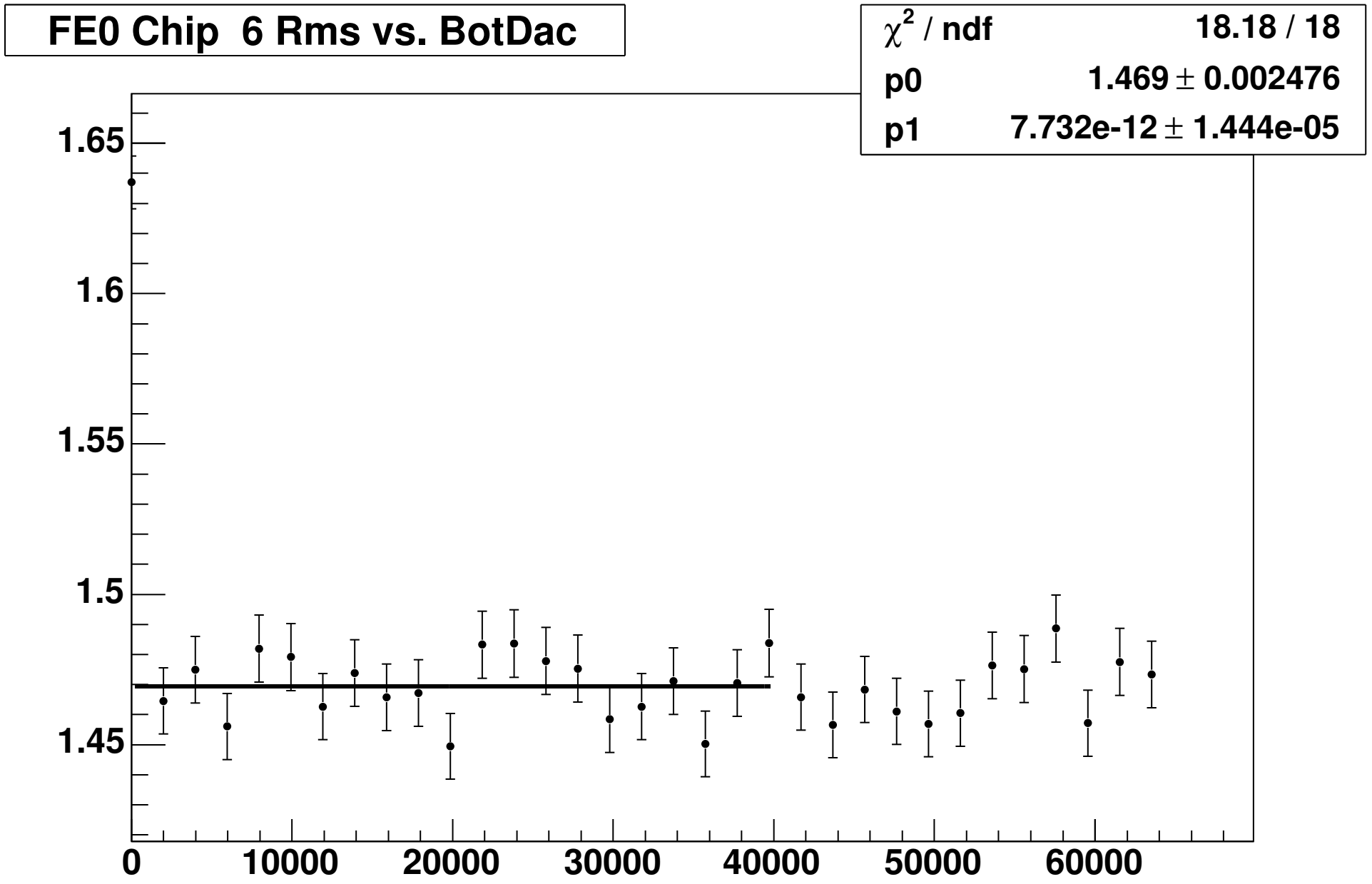
40000
50000
60000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 1.891e+04 / 18
p0 62.73 ± 0.006918
p1 1.177e-05 ± 2.912e-07
63.4
63.2
63
62.8
62.6
62.4
62.2
62
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 59.23 / 18
p0 1.394 ± 0.00359
p1 2.764e-06 ± 2.424e-06
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 203.4 / 18
p0 -91.58 ± 0.007249
p1 1.289e-06 ± 3.048e-07
-91.4
-91.45
-91.5
-91.55
-91.6
-91.65
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 18.18 / 18
p0 1.469 ± 0.002476
p1 7.732e-12 ± 1.444e-05
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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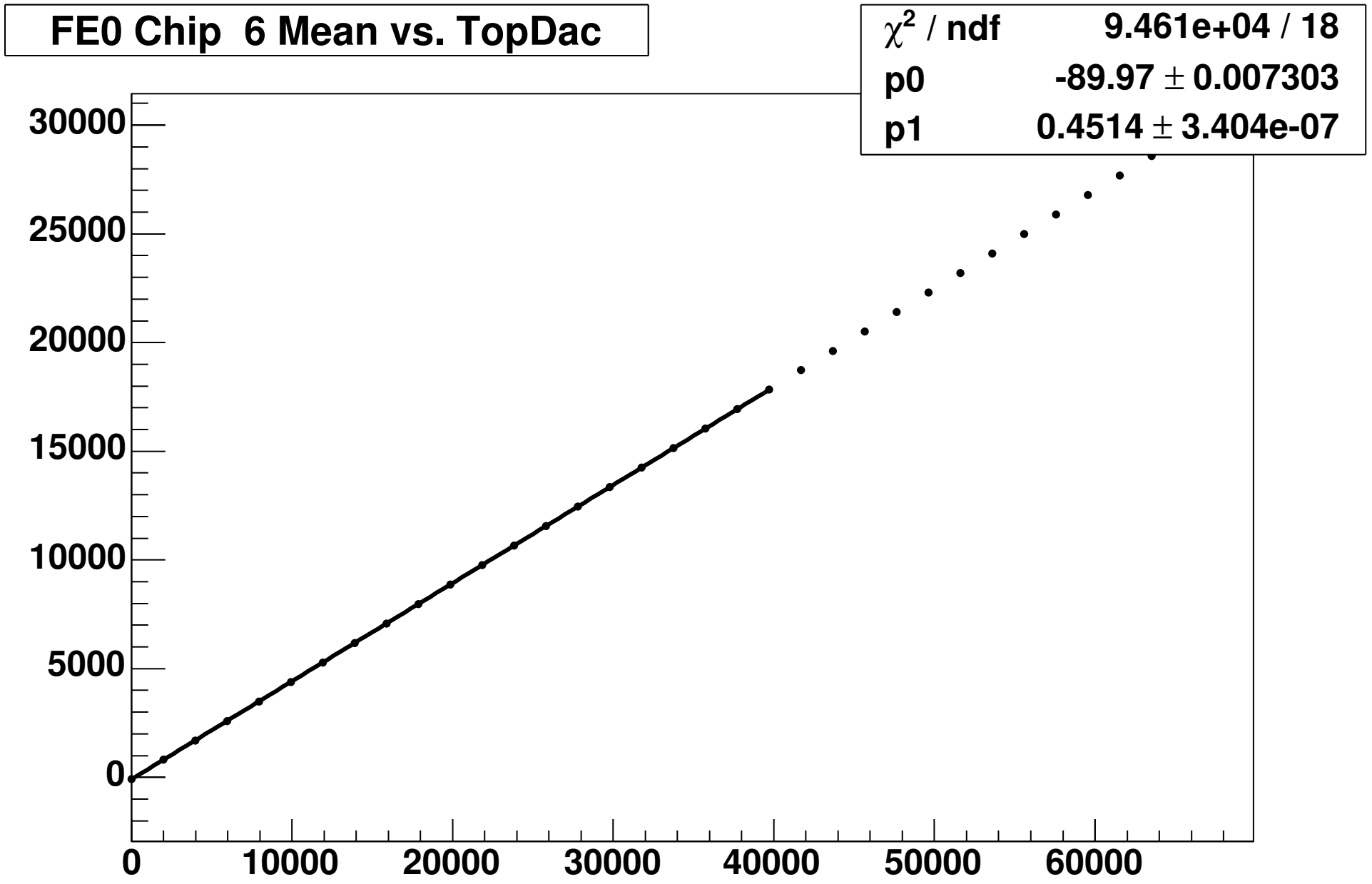
60000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 9.461e+04 / 18
p0 -89.97 ± 0.007303
p1 0.4514 ± 3.404e-07
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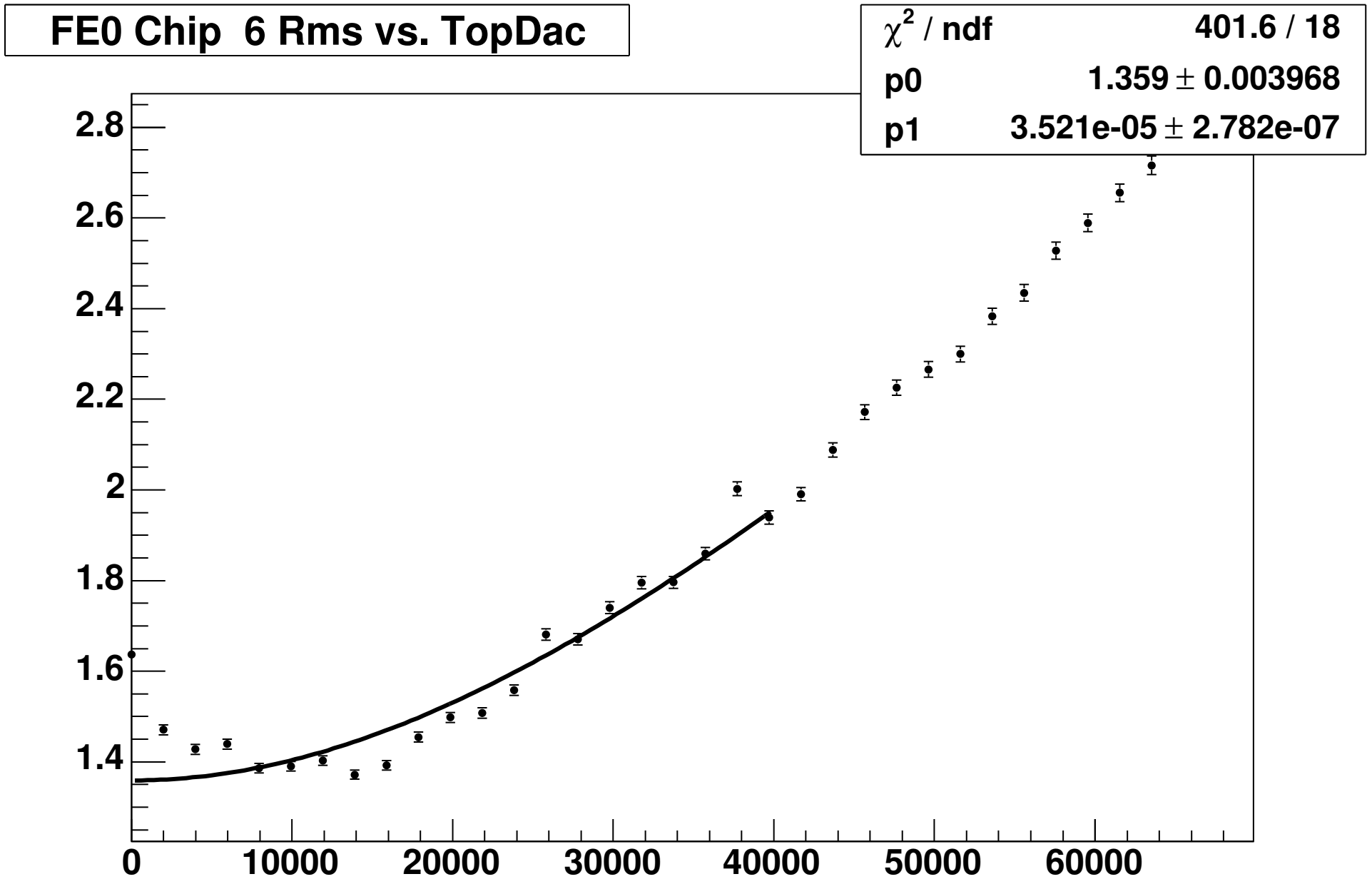
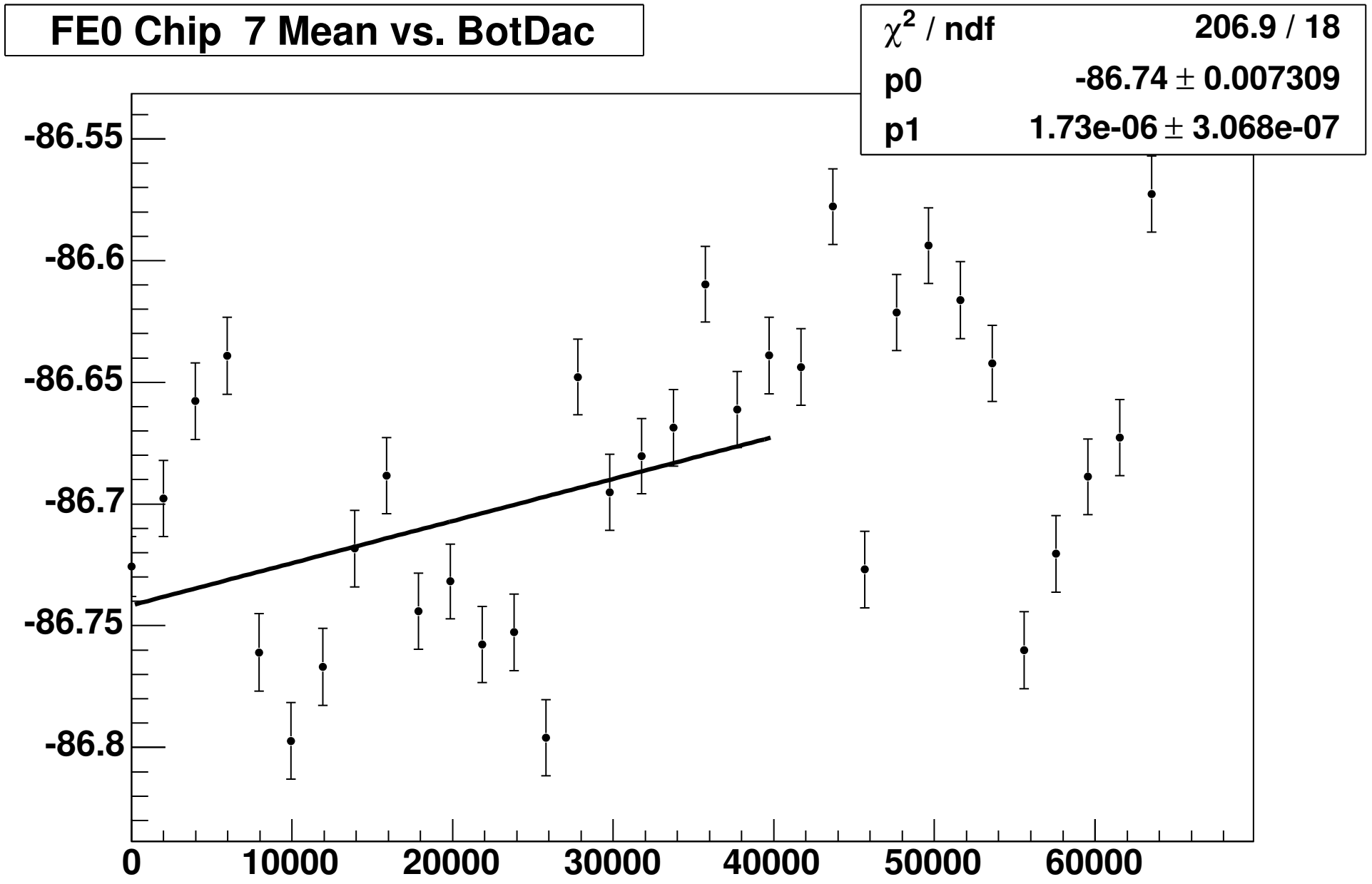
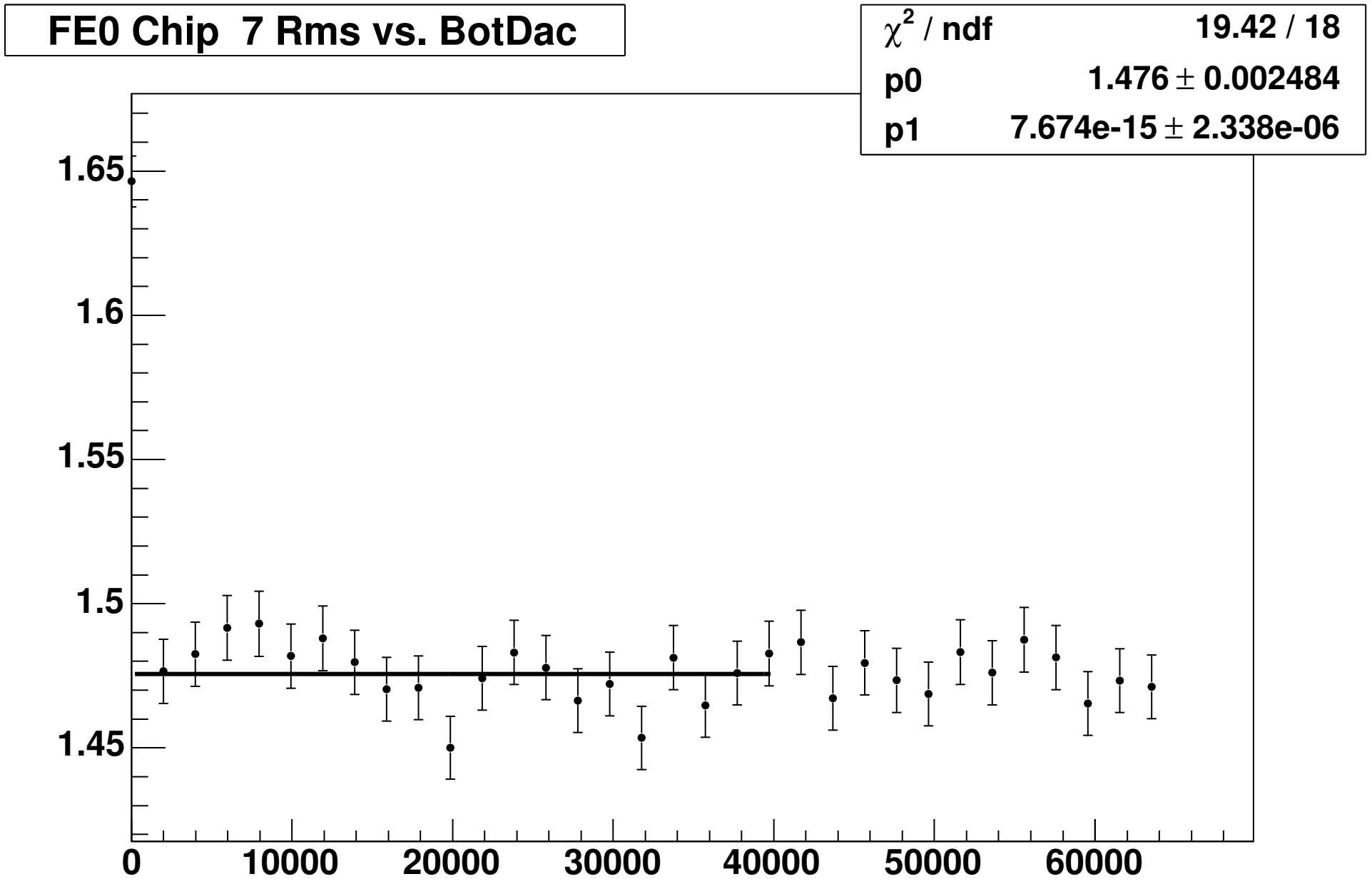
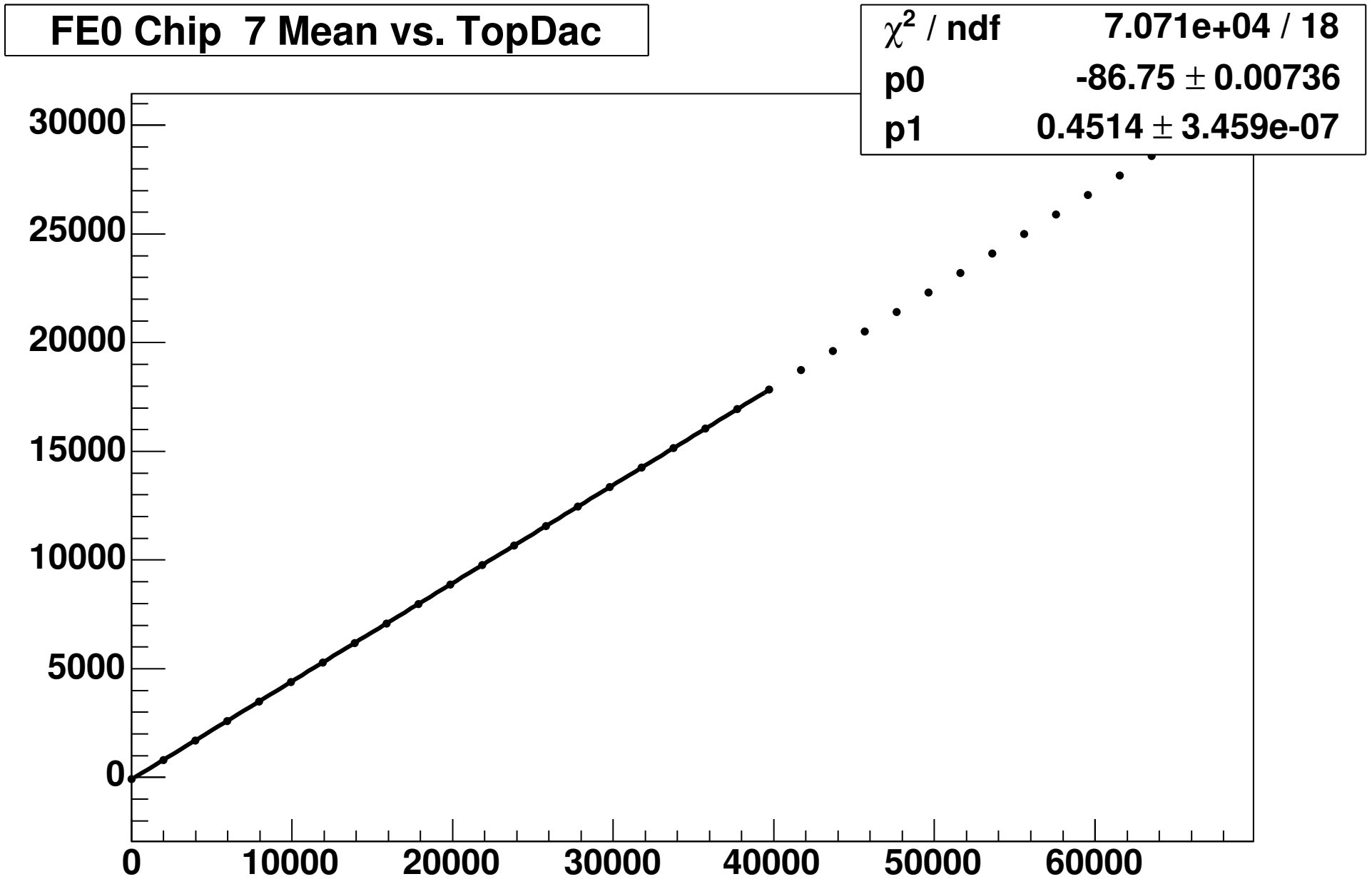
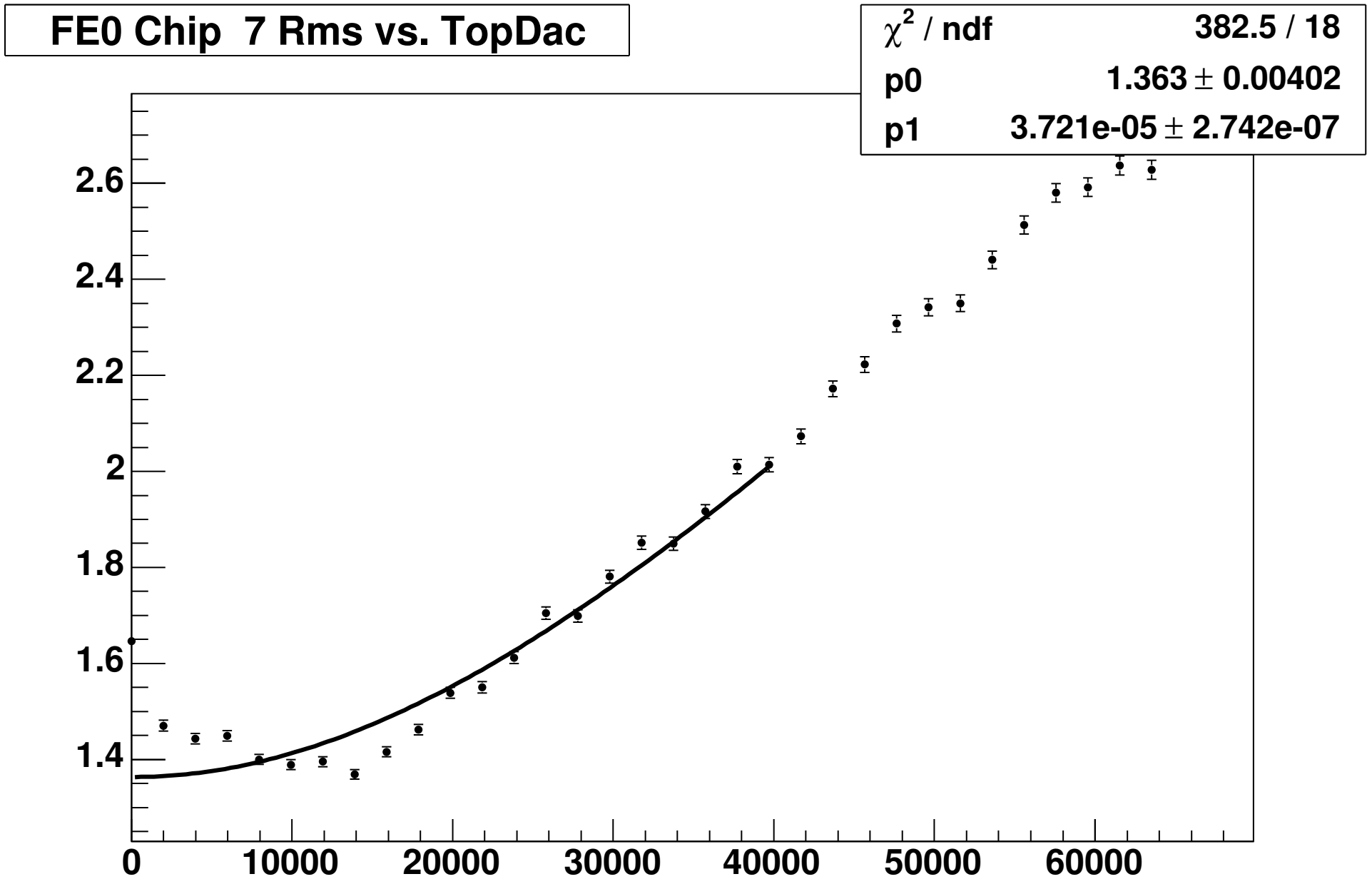
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 401.6 / 18
p0 1.359 ± 0.003968
p1 3.521e-05 ± 2.782e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 206.9 / 18
p0 -86.74 ± 0.007309
p1 1.73e-06 ± 3.068e-07
-86.55
-86.6
-86.65
-86.7
-86.75
-86.8
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 19.42 / 18
p0 1.476 ± 0.002484
p1 7.674e-15 ± 2.338e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 7.071e+04 / 18
p0 -86.75 ± 0.00736
p1 0.4514 ± 3.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 382.5 / 18
p0 1.363 ± 0.00402
p1 3.721e-05 ± 2.742e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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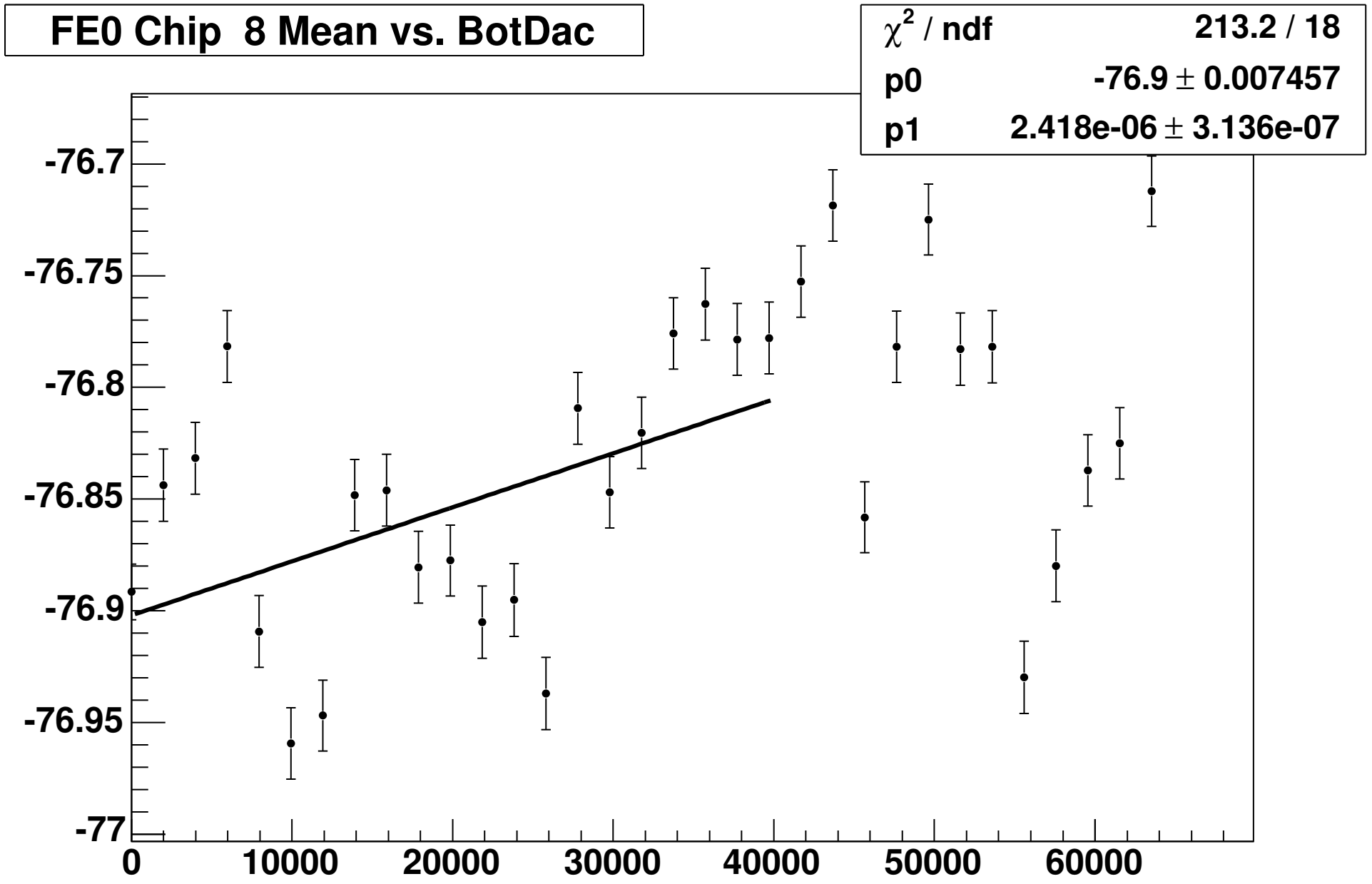
50000
60000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 213.2 / 18
p0 -76.9 ± 0.007457
p1 2.418e-06 ± 3.136e-07
-76.7
-76.75
-76.8
-76.85
-76.9
-76.95
-77
0
10000
20000
30000
40000
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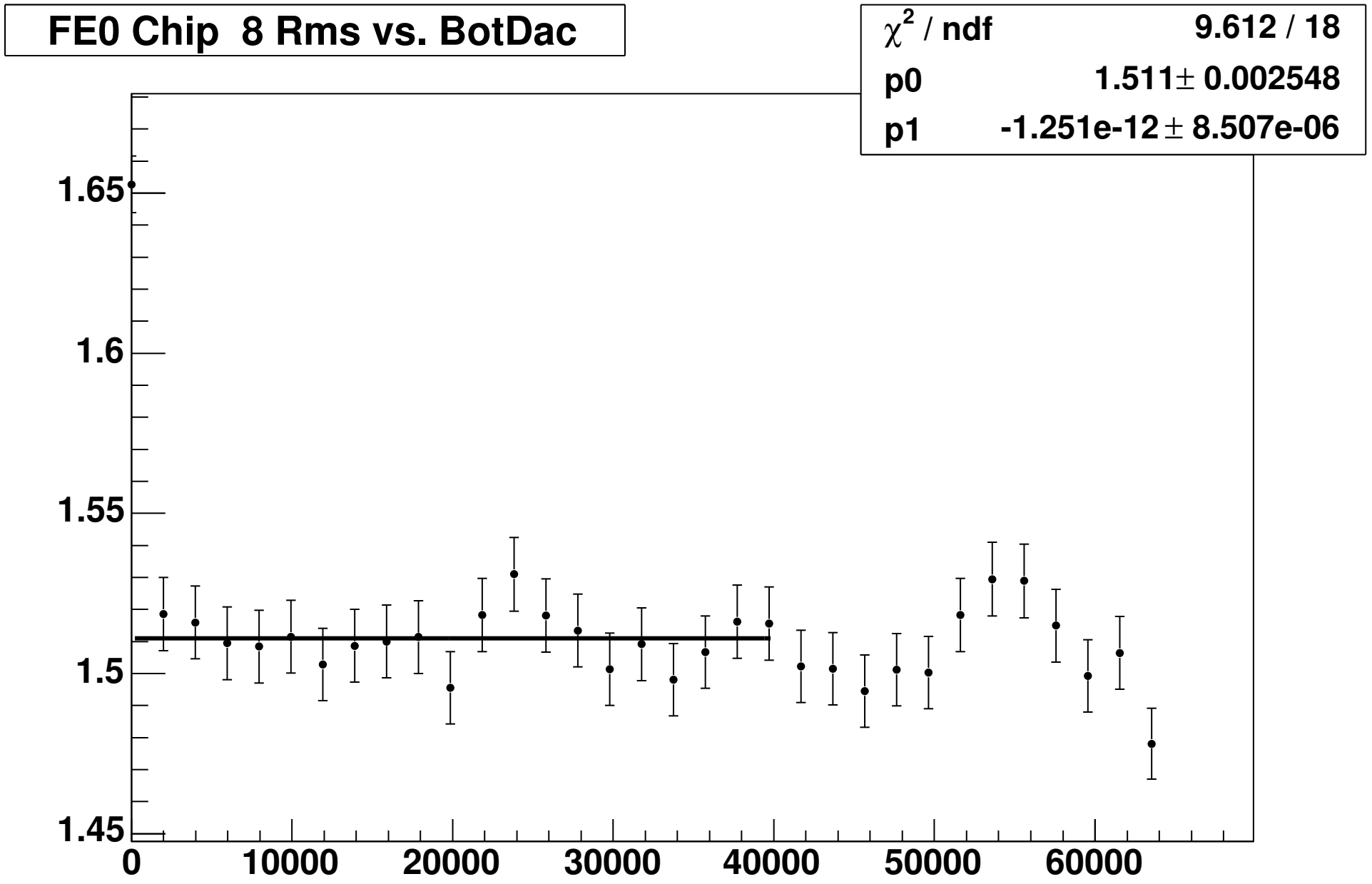
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 9.612 / 18
p0 1.511 ± 0.002548
p1 -1.251e-12 ± 8.507e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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30000
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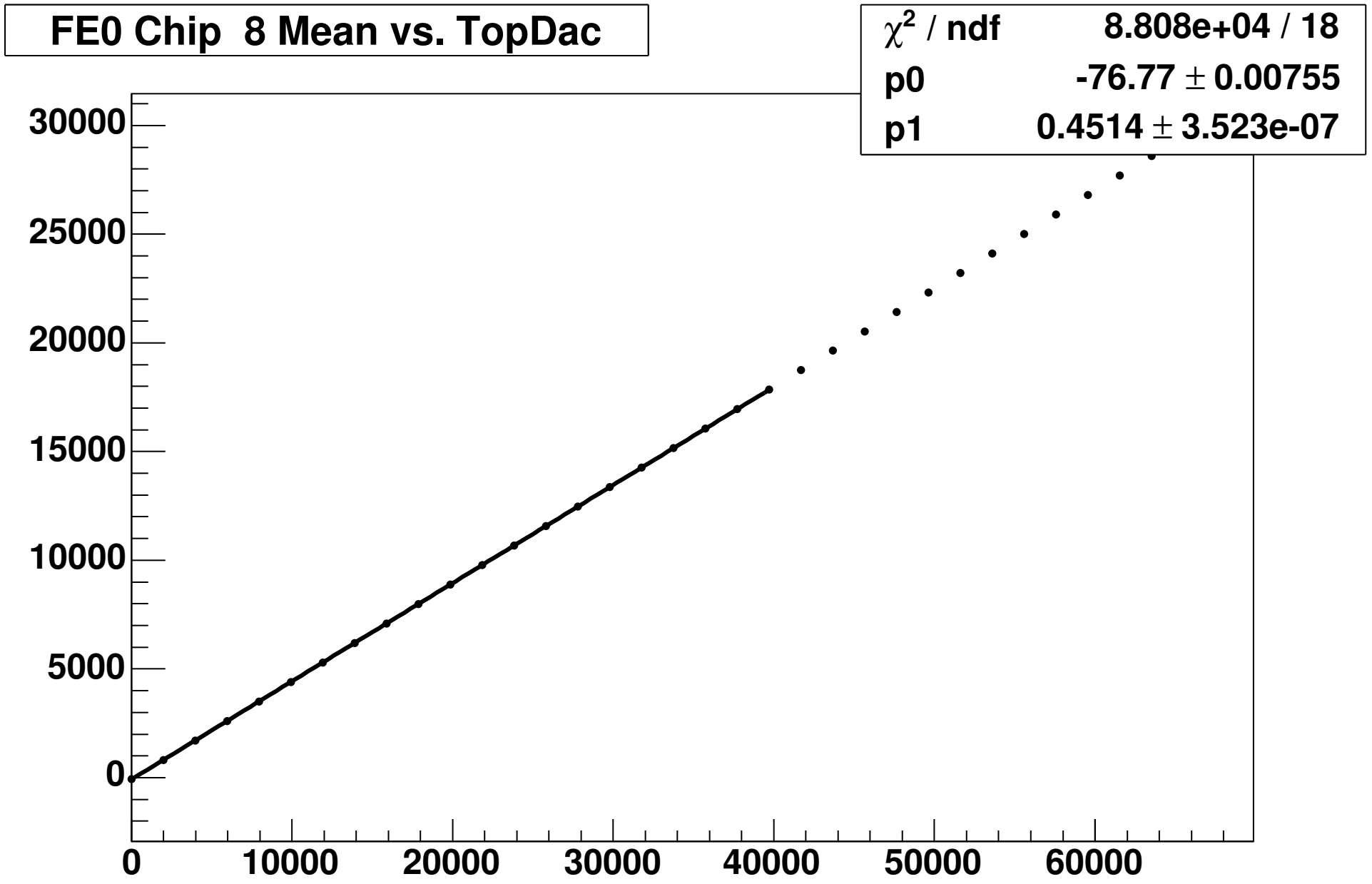
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 8.808e+04 / 18
p0 -76.77 ± 0.00755
p1 0.4514 ± 3.523e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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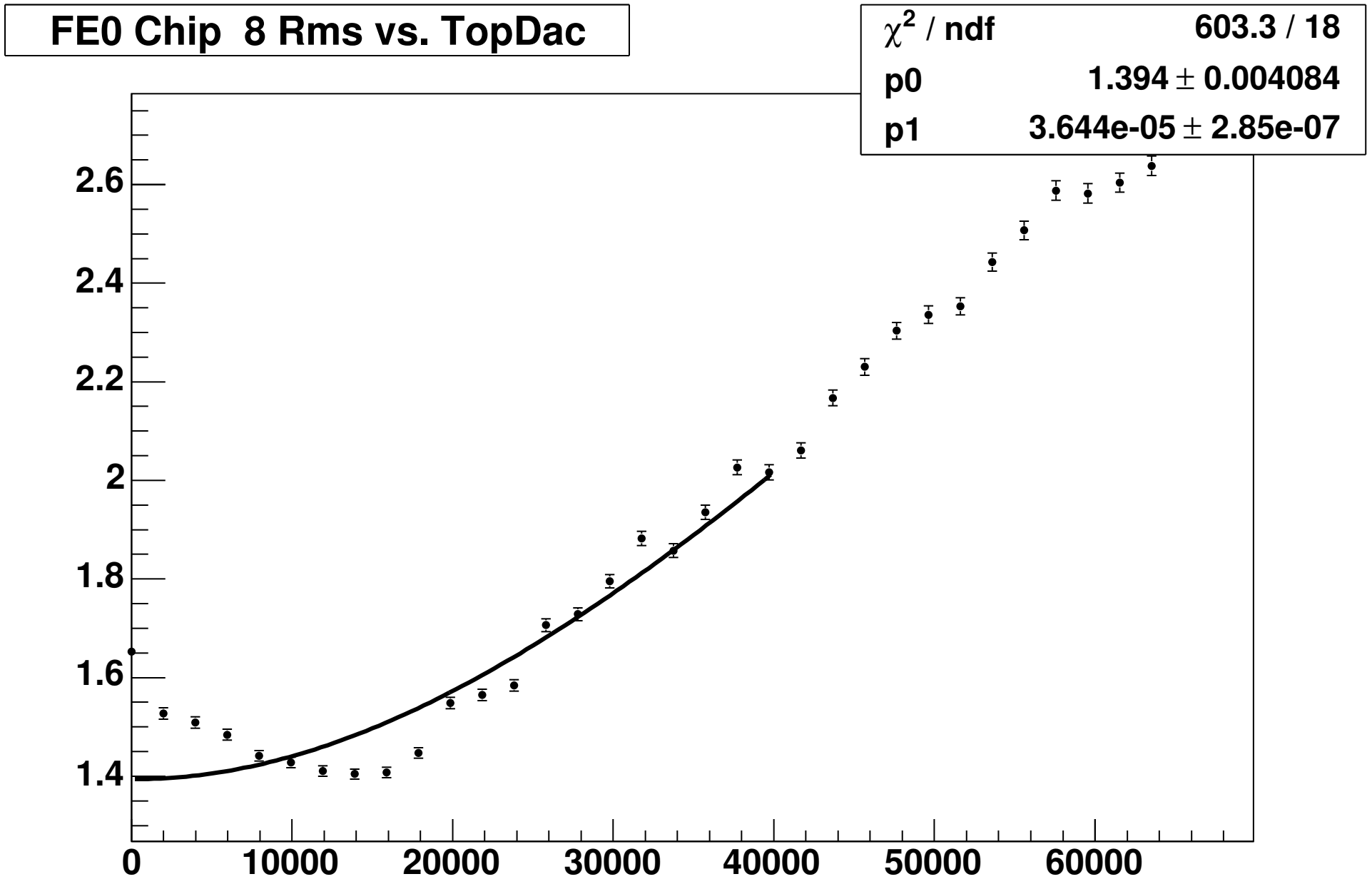
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 603.3 / 18
p0 1.394 ± 0.004084
p1 3.644e-05 ± 2.85e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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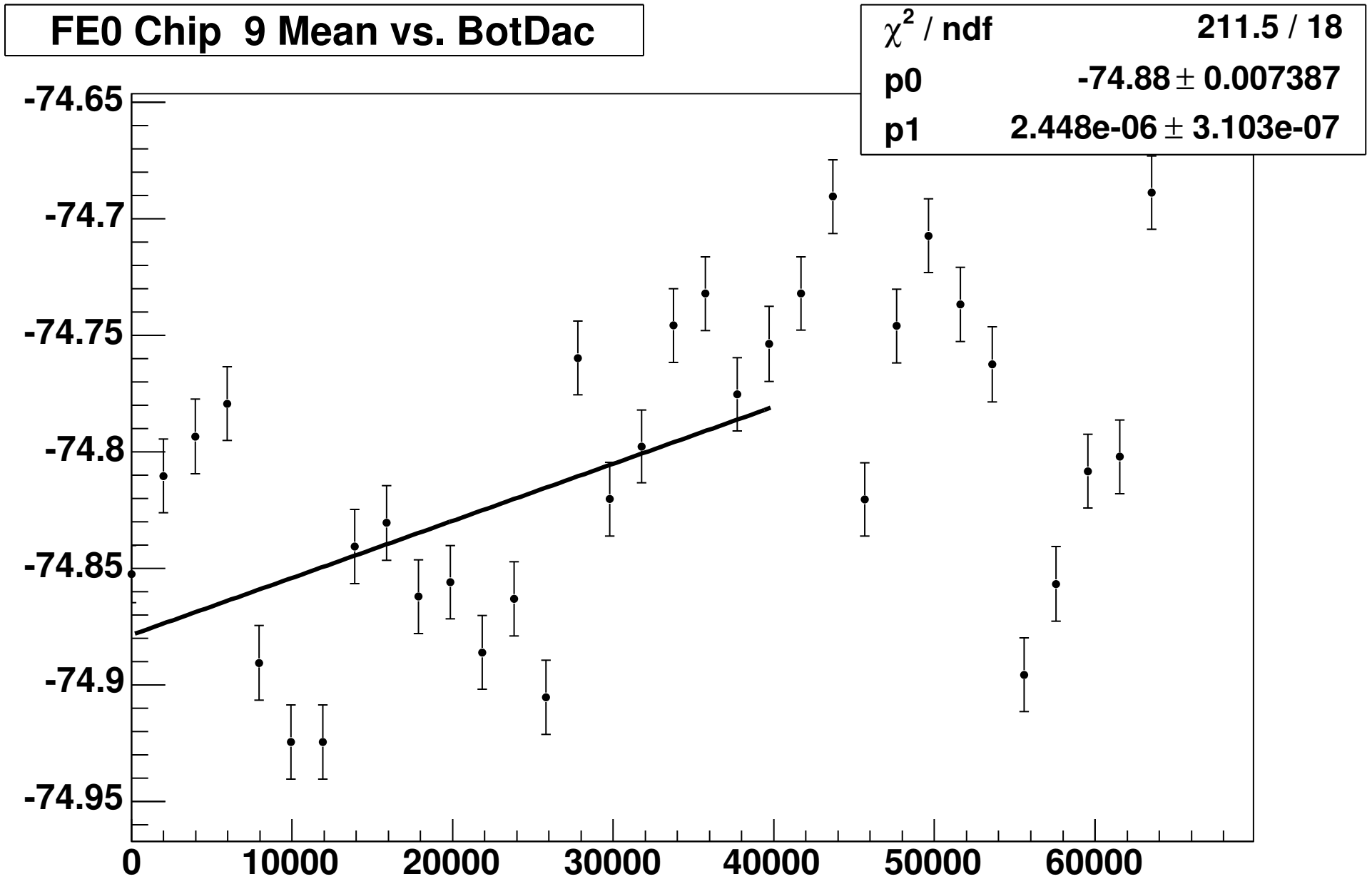
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 211.5 / 18
p0 -74.88 ± 0.007387
p1 2.448e-06 ± 3.103e-07
-74.65
-74.7
-74.75
-74.8
-74.85
-74.9
-74.95
0
10000
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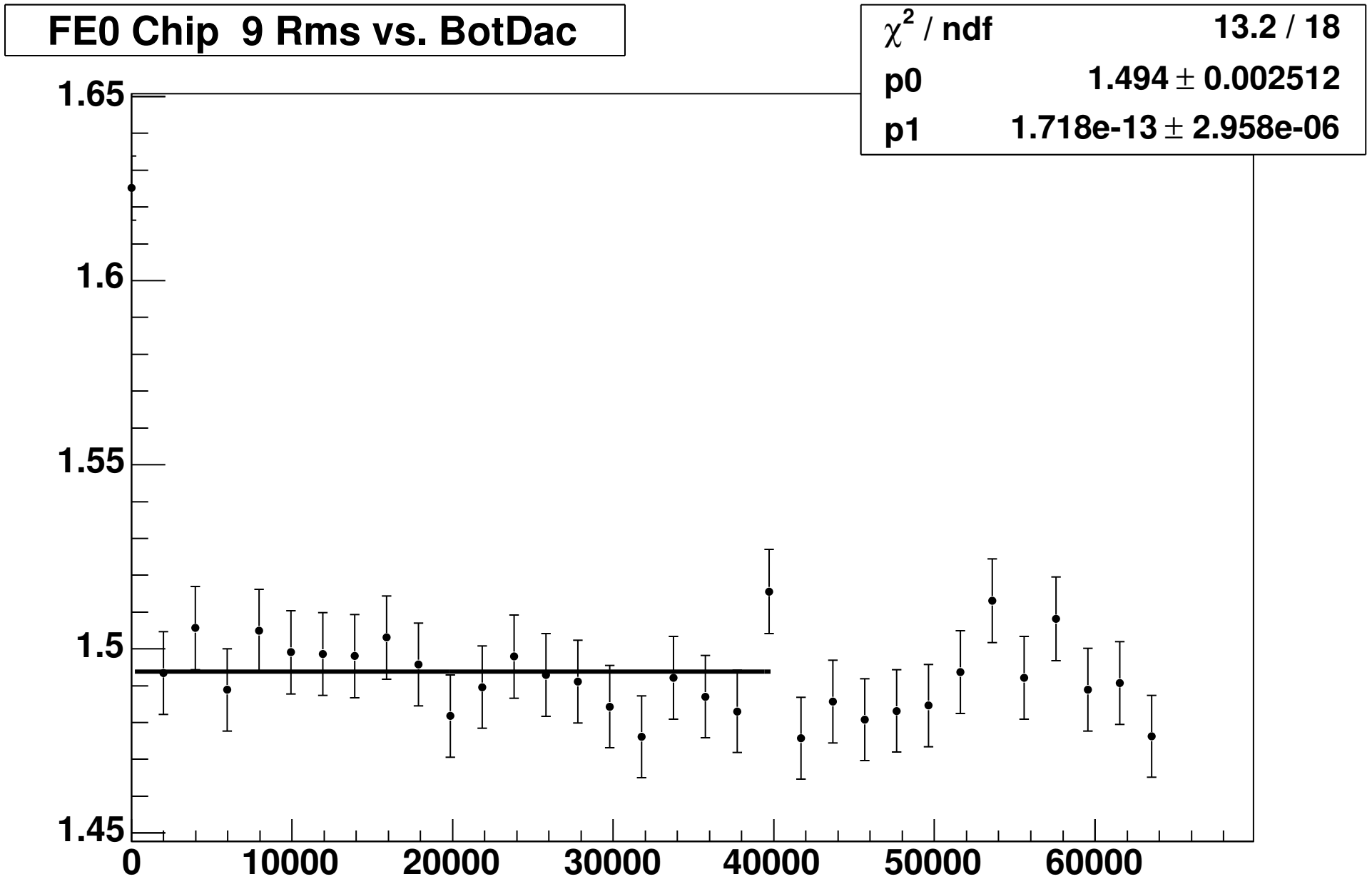
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 13.2 / 18
p0 1.494 ± 0.002512
p1 1.718e-13 ± 2.958e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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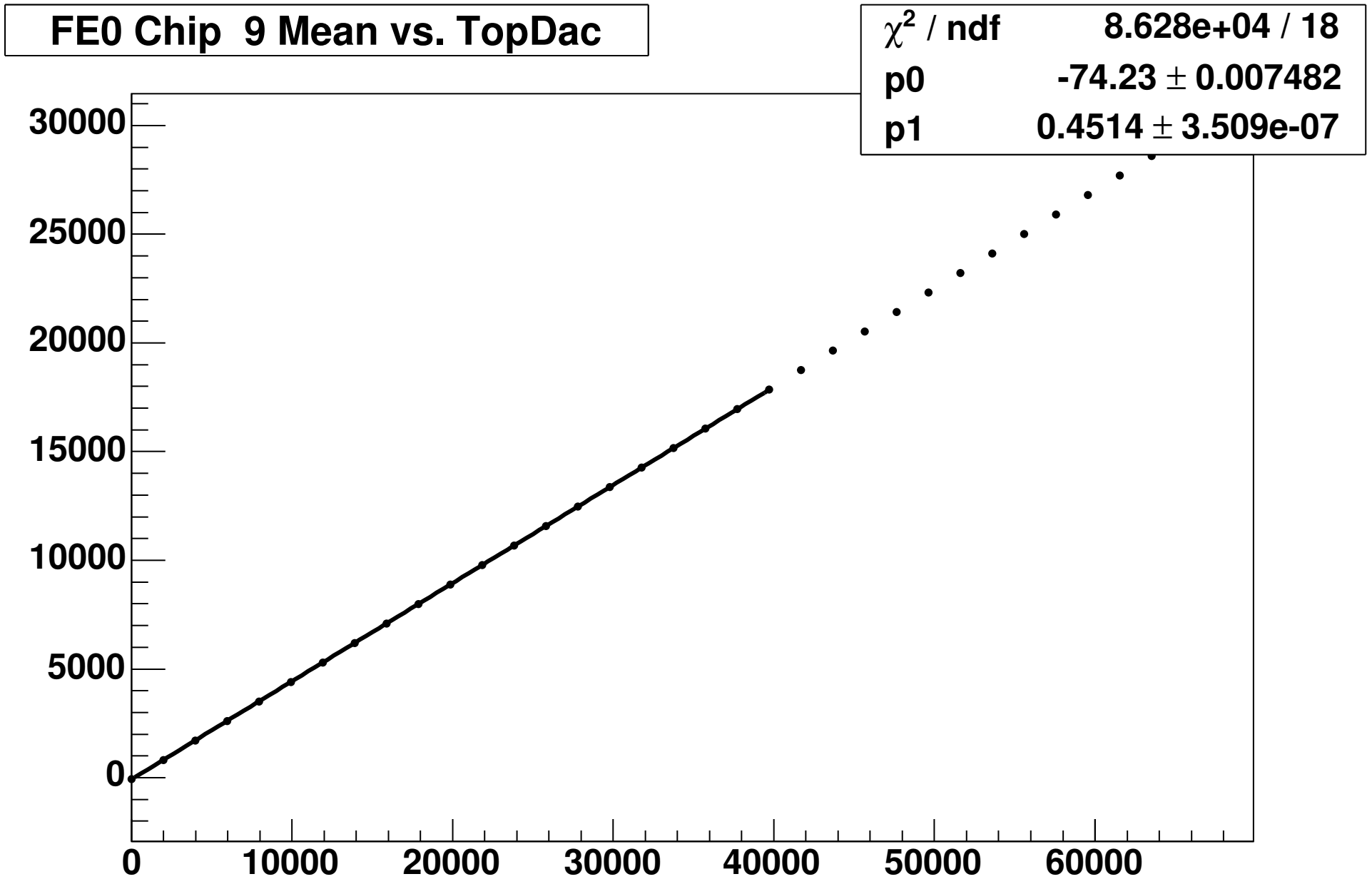
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 8.628e+04 / 18
p0 -74.23 ± 0.007482
p1 0.4514 ± 3.509e-07
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25000
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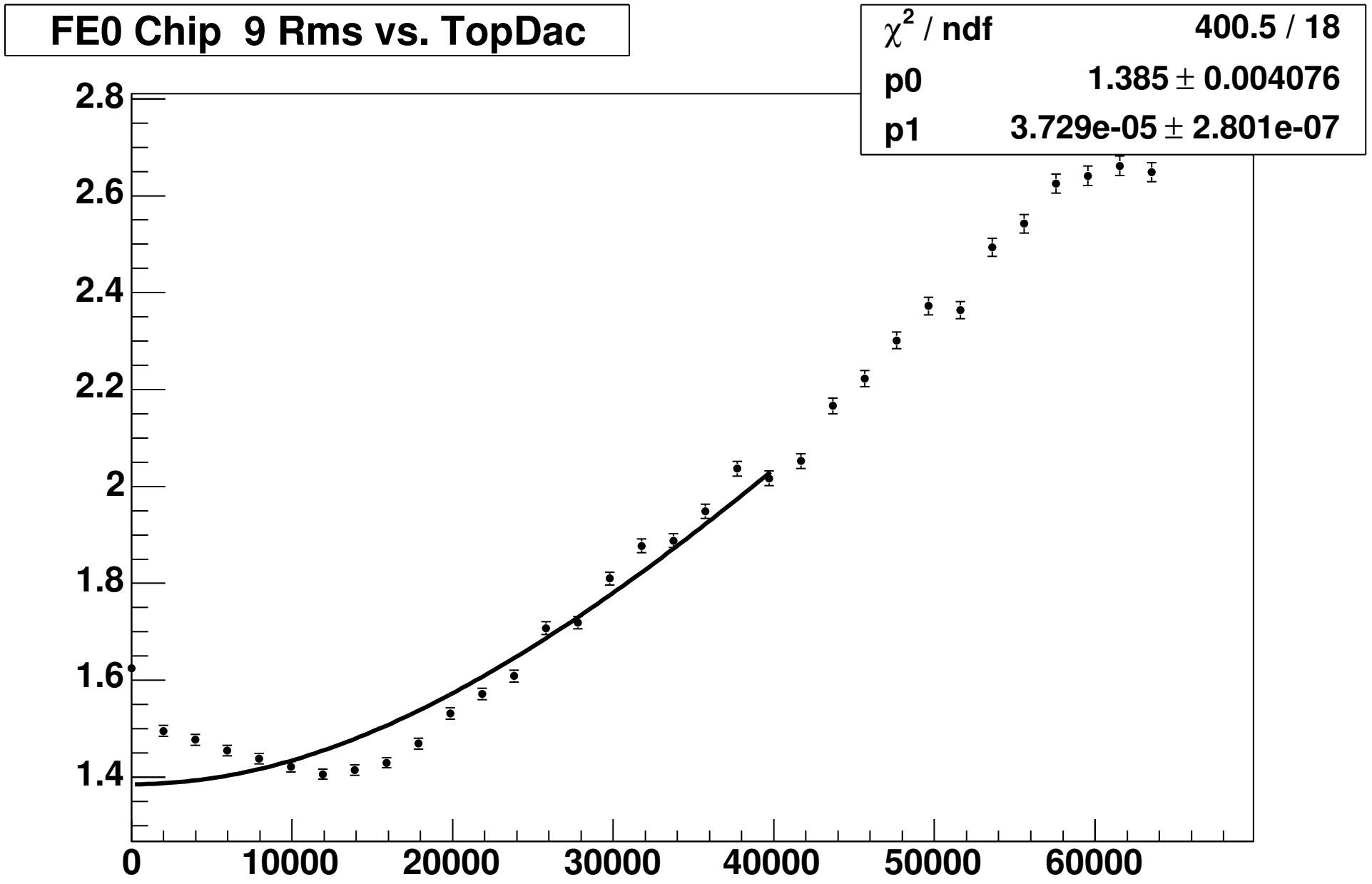
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 400.5 / 18
p0 1.385 ± 0.004076
p1 3.729e-05 ± 2.801e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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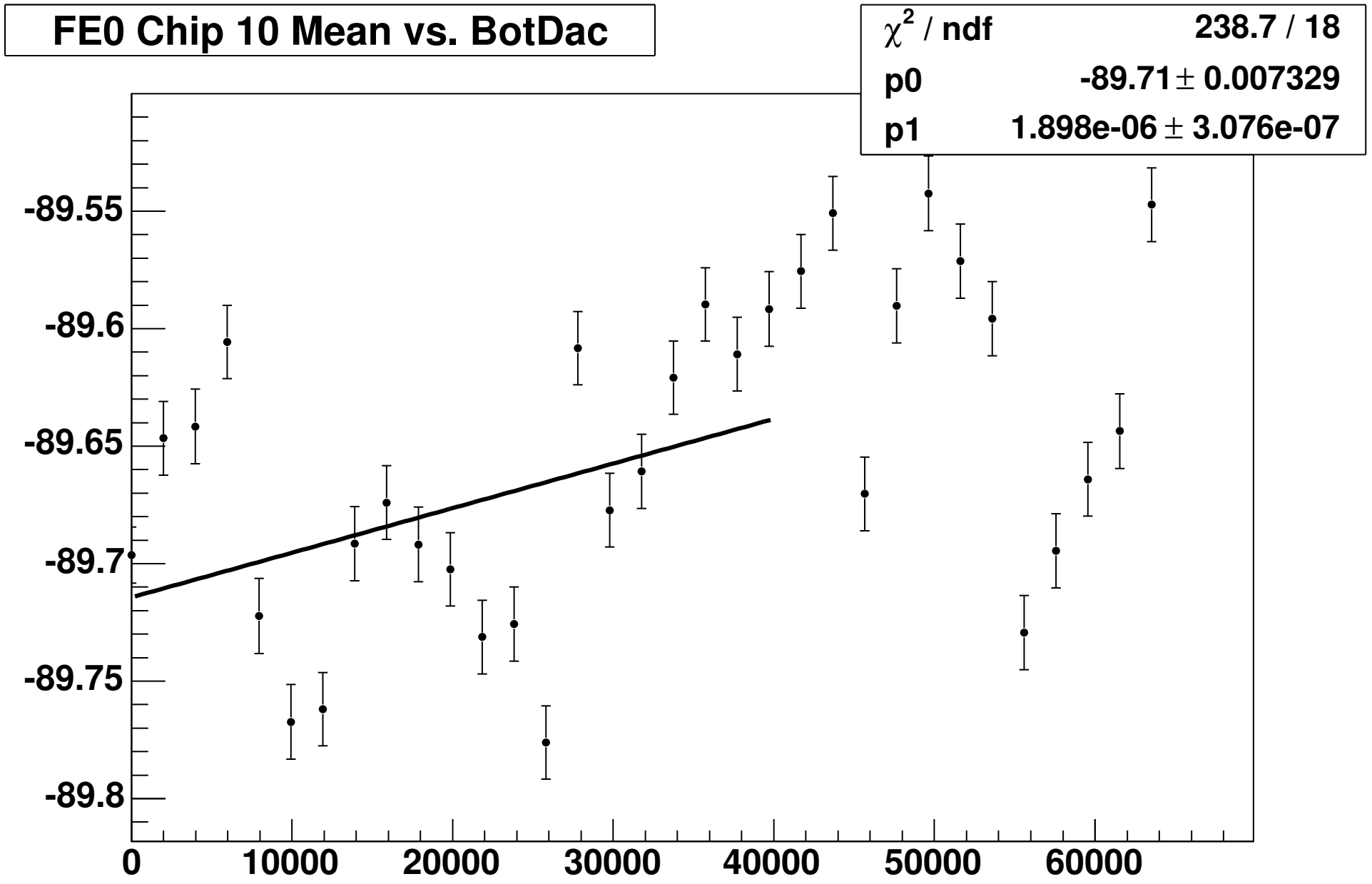
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 238.7 / 18
p0 -89.71 ± 0.007329
p1 1.898e-06 ± 3.076e-07
-89.55
-89.6
-89.65
-89.7
-89.75
-89.8
0
10000
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30000
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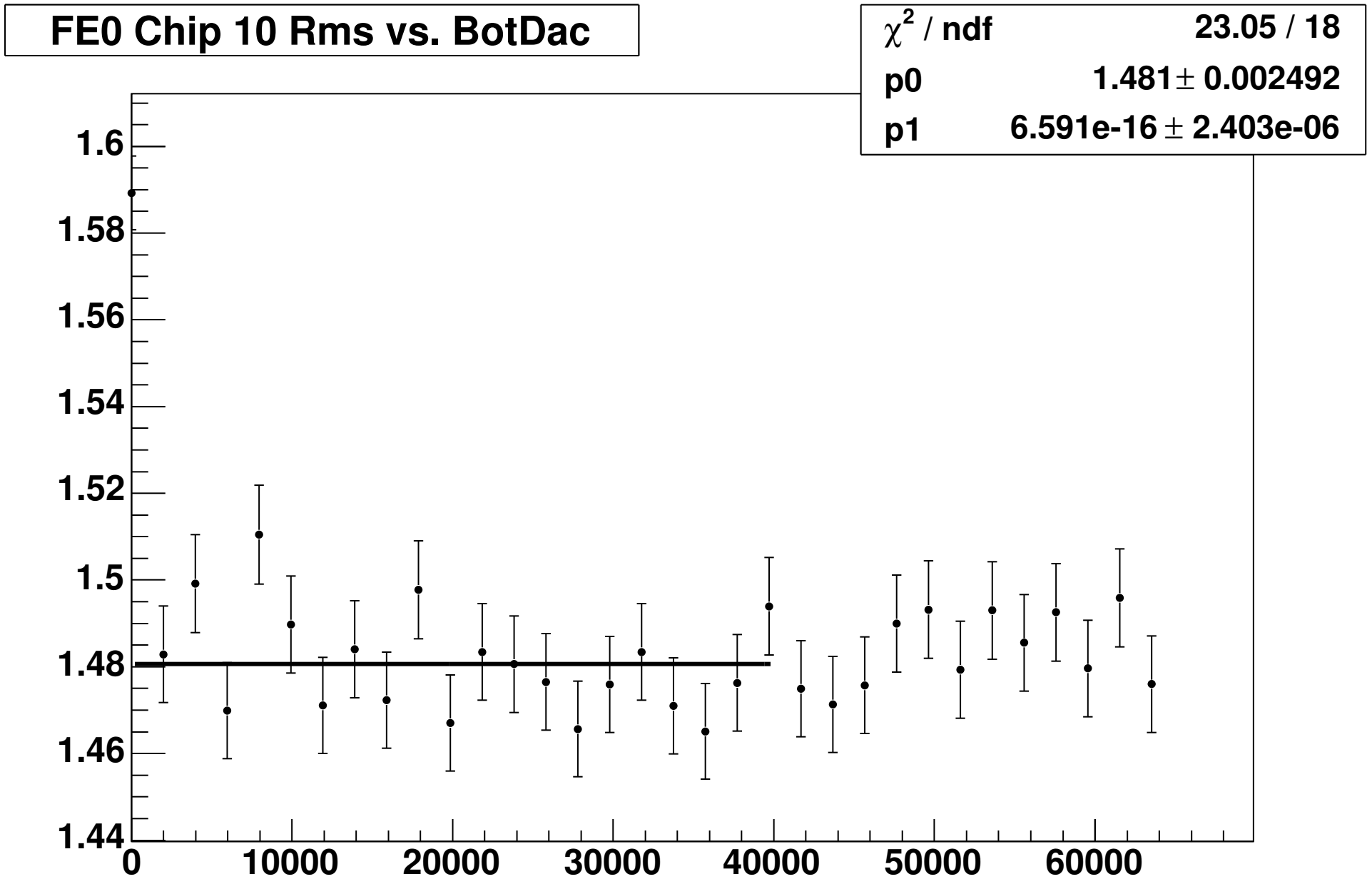
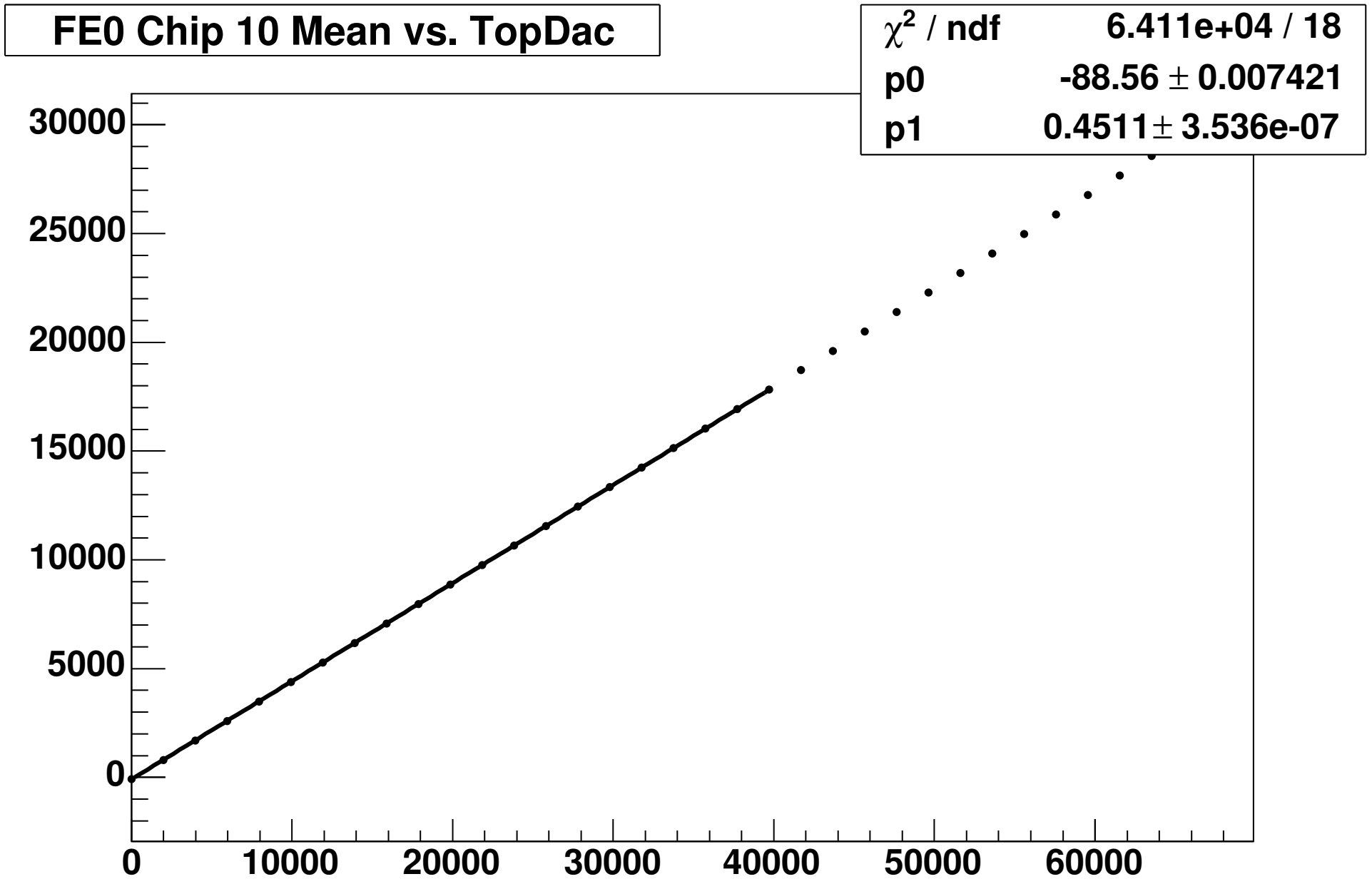
50000
60000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 23.05 / 18
p0 1.481 ± 0.002492
p1 6.591e-16 ± 2.403e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 6.411e+04 / 18
p0 -88.56 ± 0.007421
p1 0.4511 ± 3.536e-07
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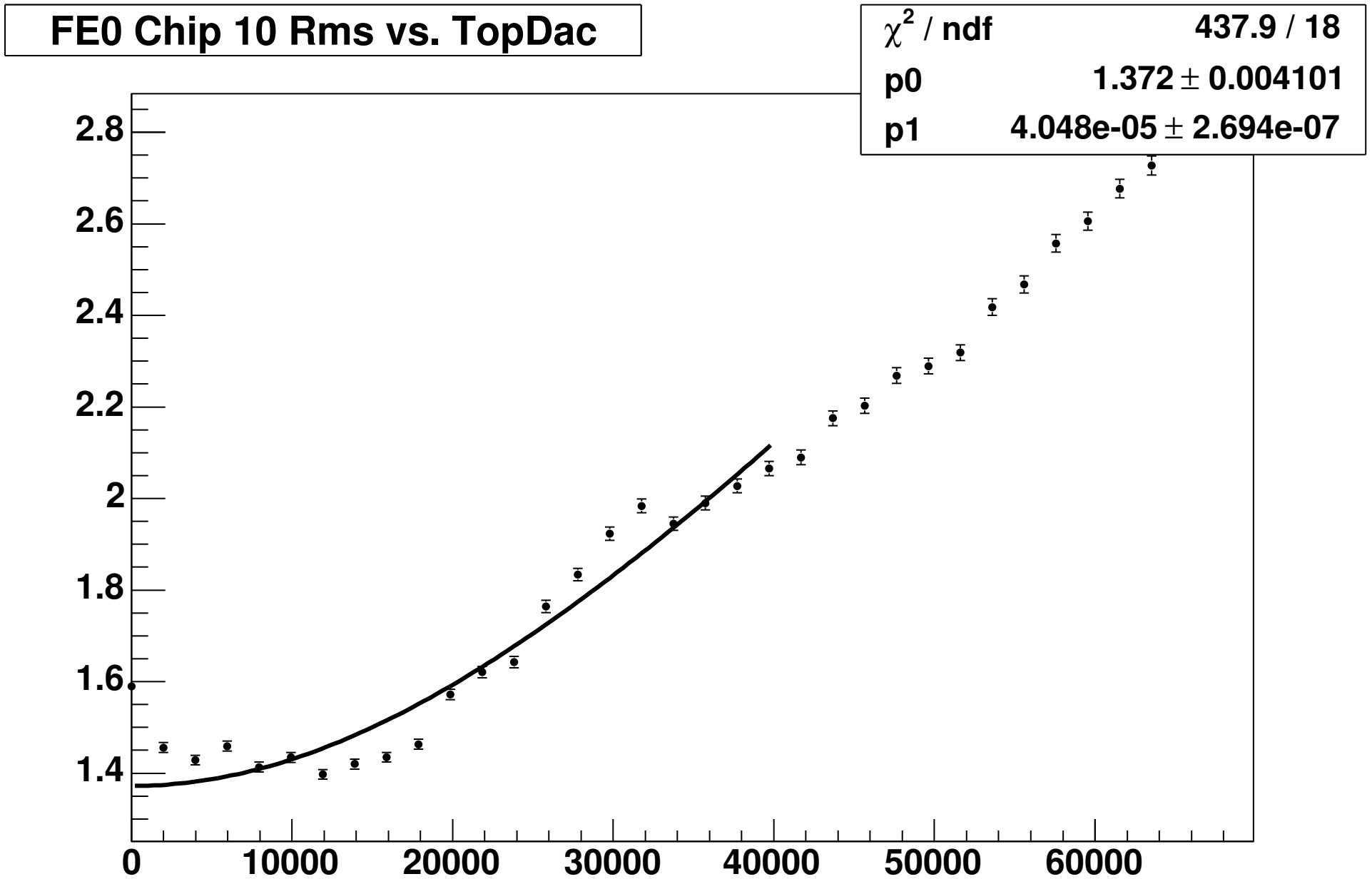
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 437.9 / 18
p0 1.372 ± 0.004101
p1 4.048e-05 ± 2.694e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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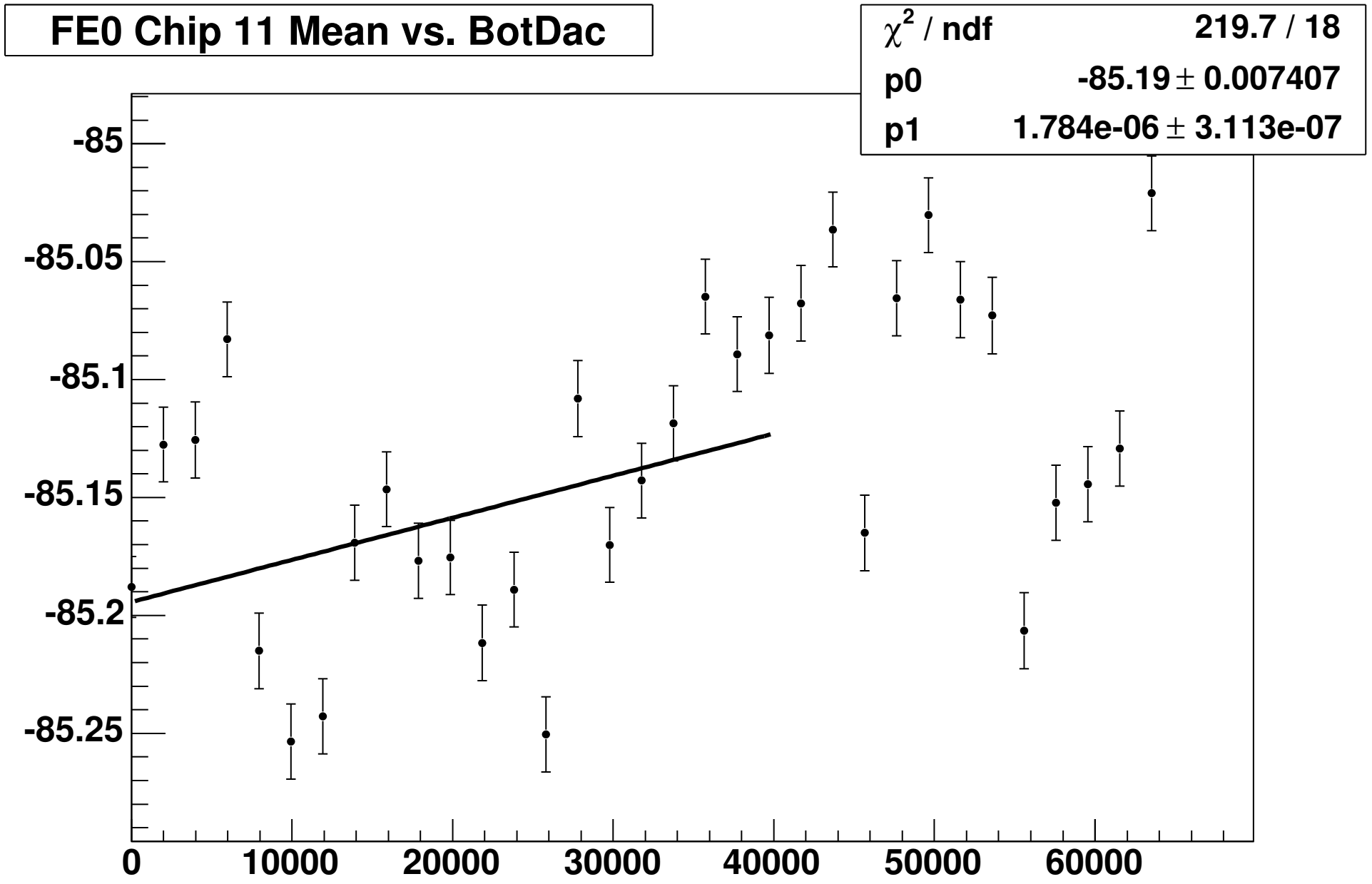
30000
40000
50000
60000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 219.7 / 18
p0 -85.19 ± 0.007407
p1 1.784e-06 ± 3.113e-07
-85
-85.05
-85.1
-85.15
-85.2
-85.25
0
10000
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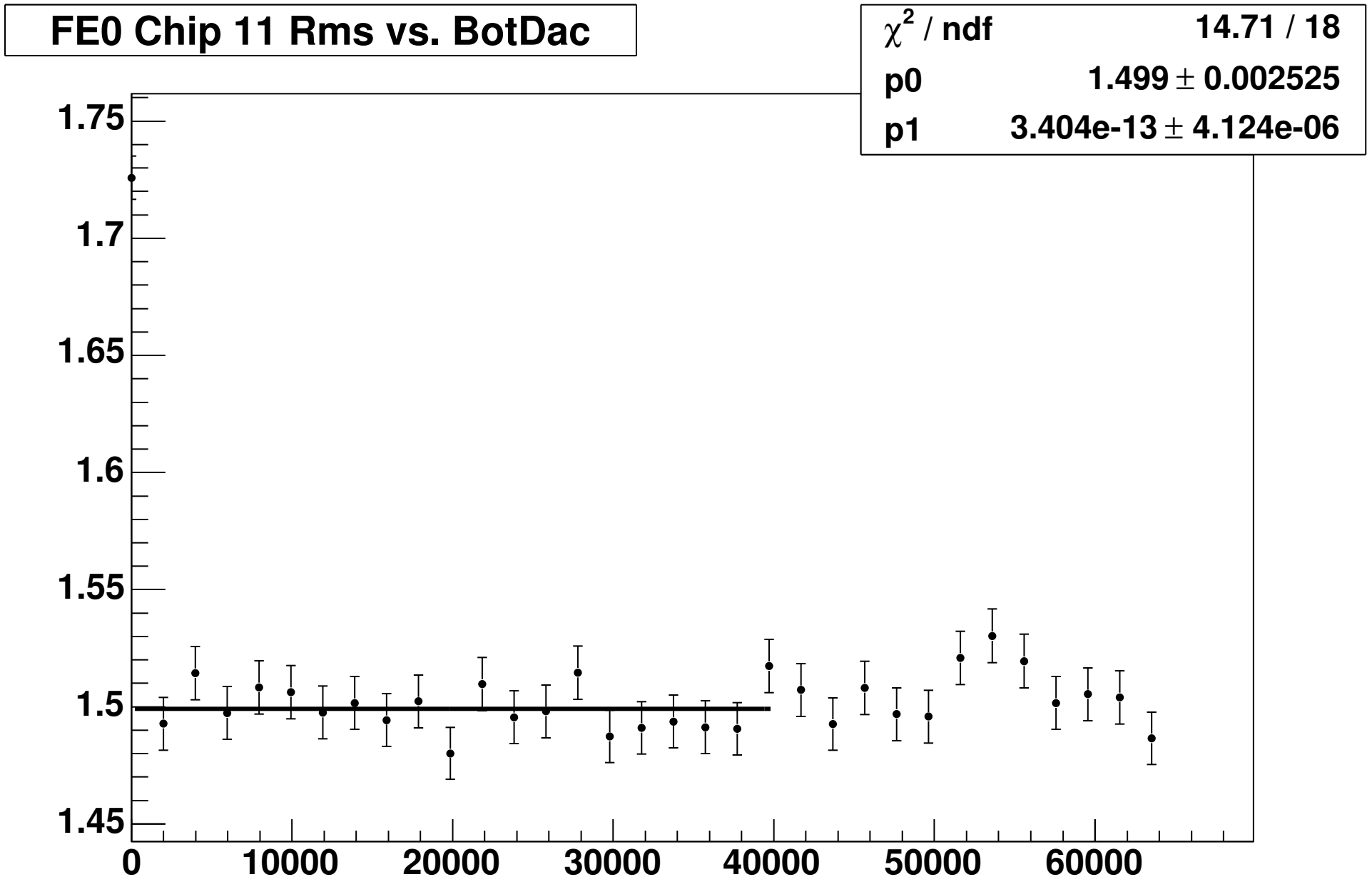
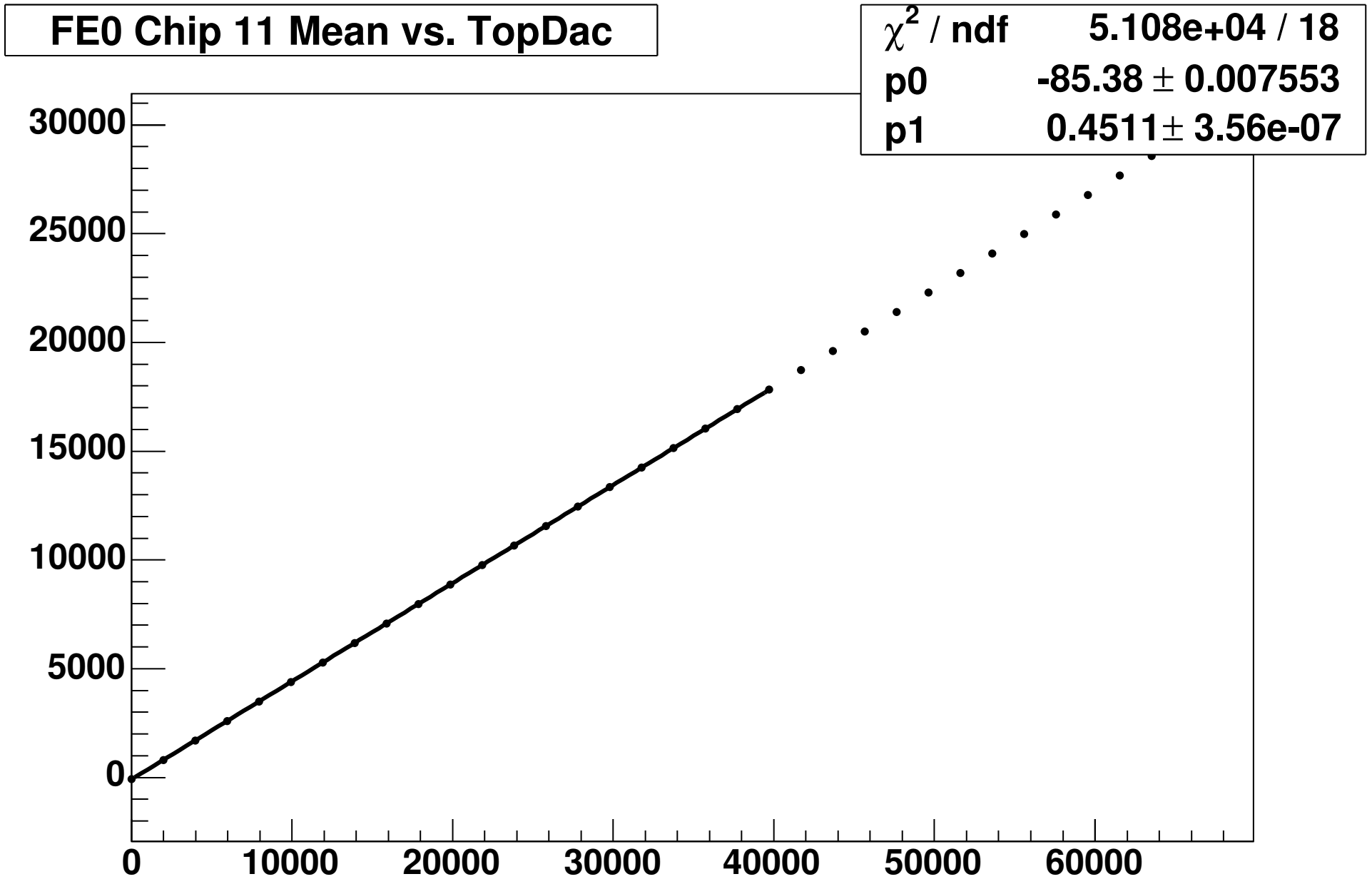
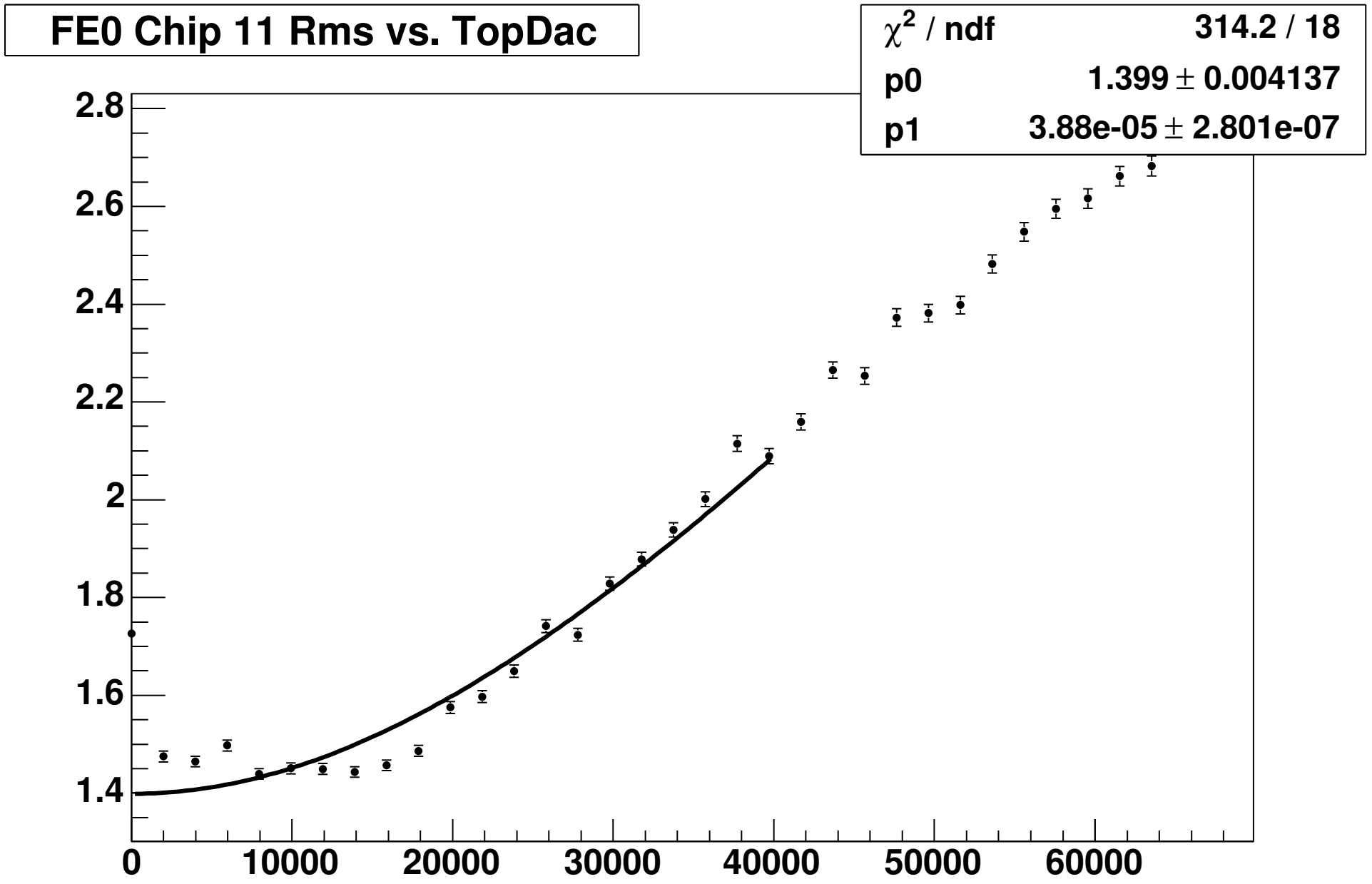
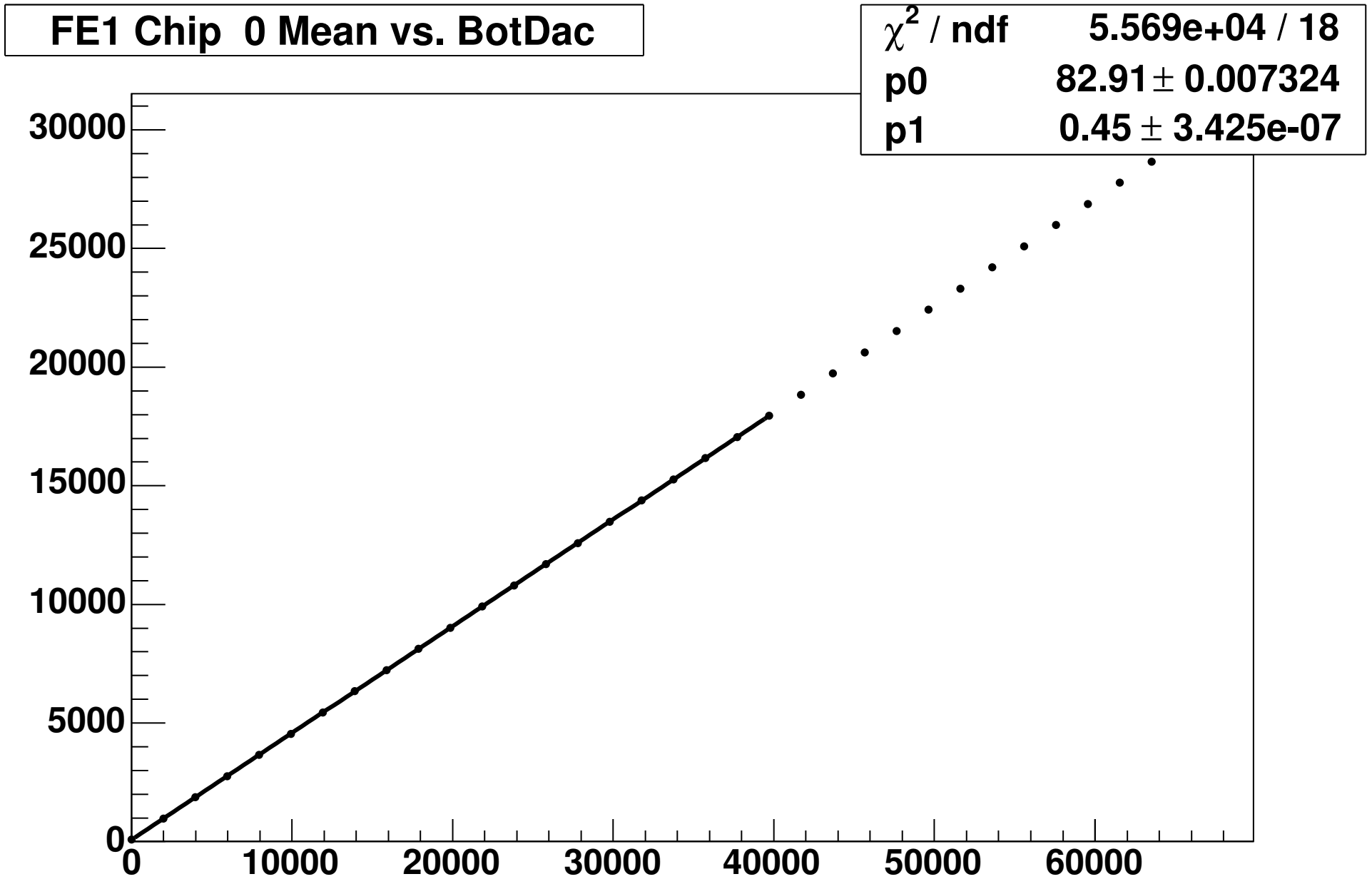
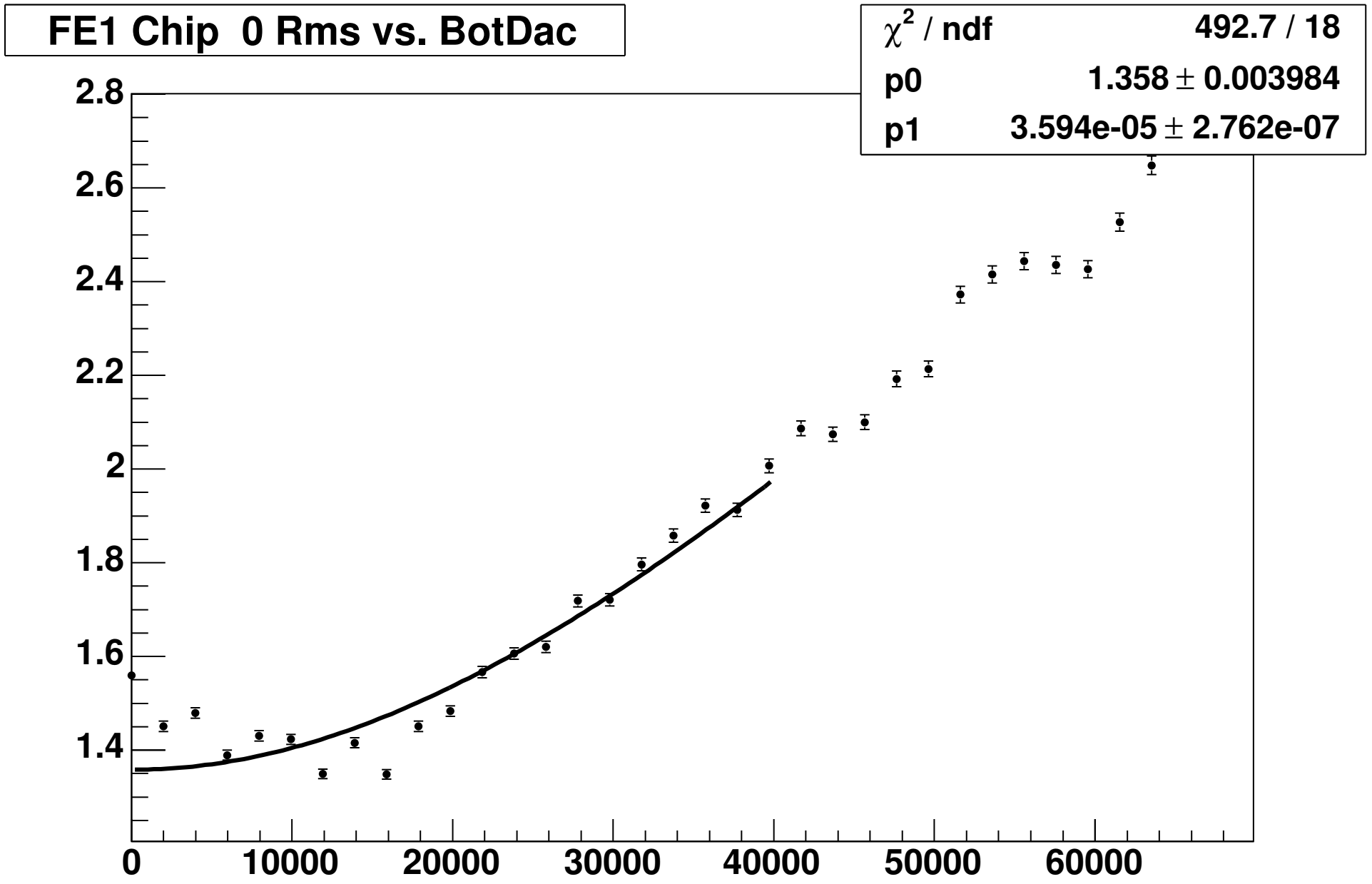
30000
40000
50000
60000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 14.71 / 18
p0 1.499 ± 0.002525
p1 3.404e-13 ± 4.124e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 5.108e+04 / 18
p0 -85.38 ± 0.007553
p1 0.4511 ± 3.56e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 314.2 / 18
p0 1.399 ± 0.004137
p1 3.88e-05 ± 2.801e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 5.569e+04 / 18
p0 82.91 ± 0.007324
p1 0.45 ± 3.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 492.7 / 18
p0 1.358 ± 0.003984
p1 3.594e-05 ± 2.762e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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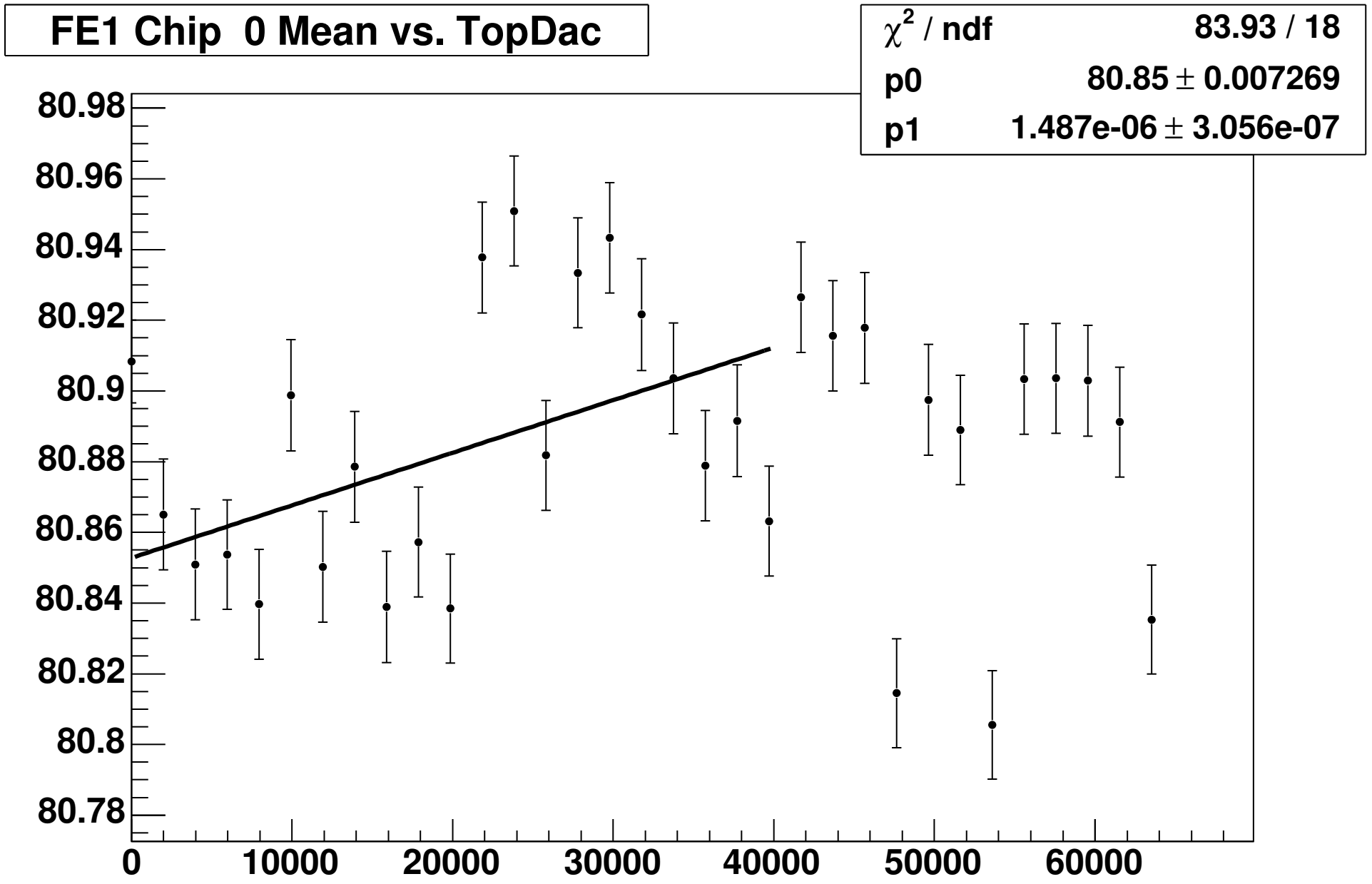
30000
40000
50000
60000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 83.93 / 18
p0 80.85 ± 0.007269
p1 1.487e-06 ± 3.056e-07
80.98
80.96
80.94
80.92
80.9
80.88
80.86
80.84
80.82
80.8
80.78
0
10000
20000
30000
40000
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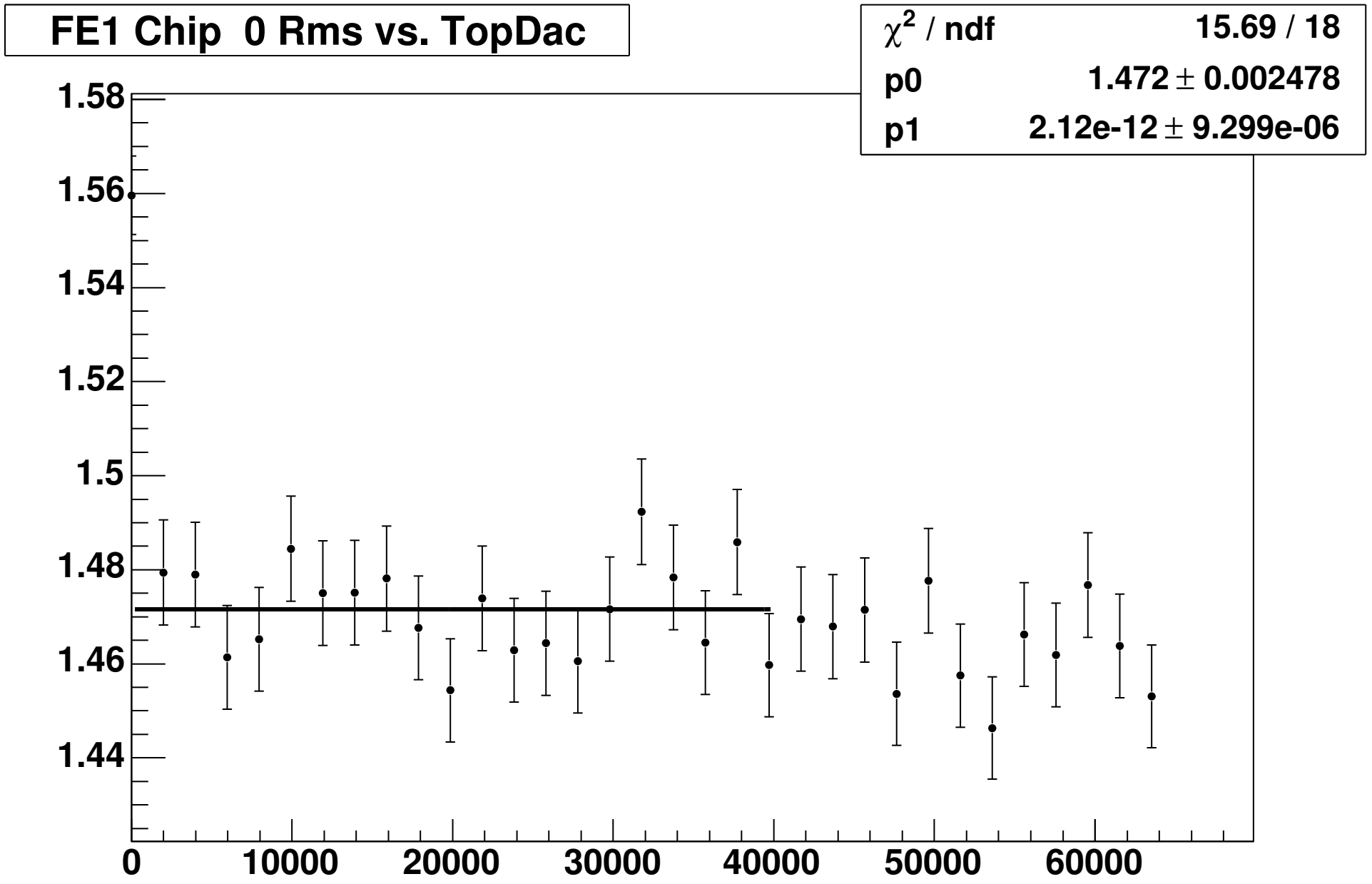
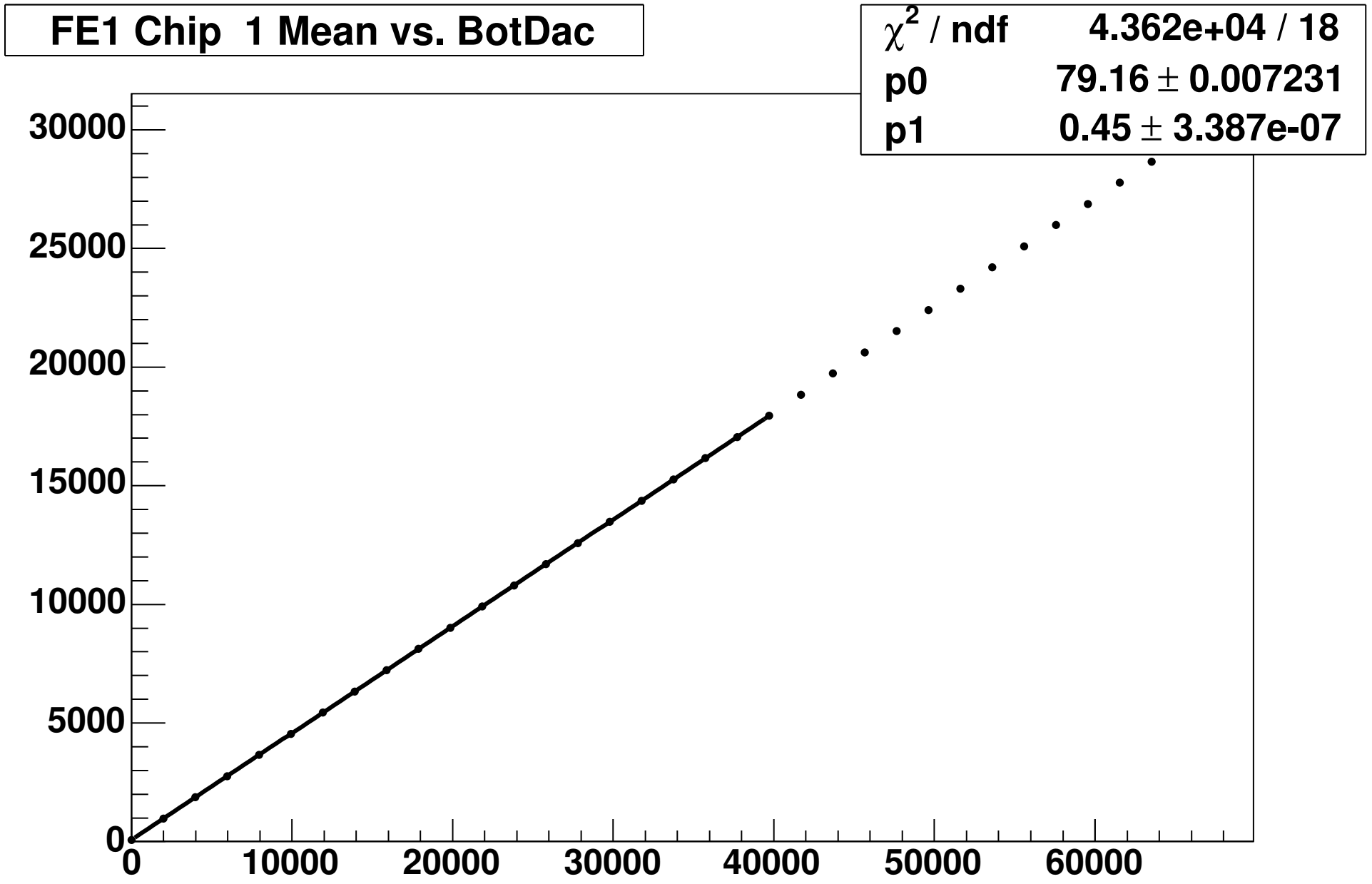
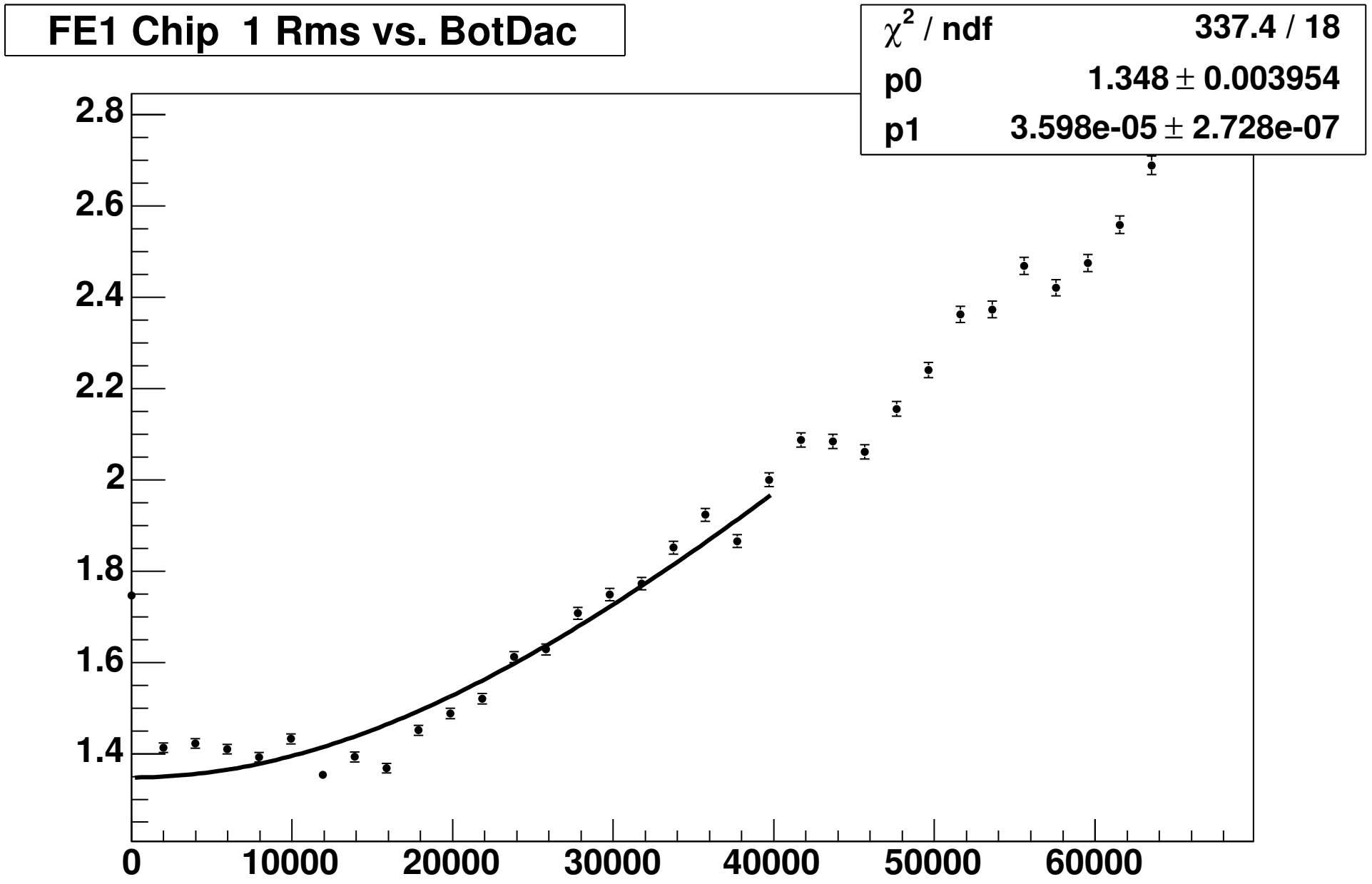
60000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 15.69 / 18
p0 1.472 ± 0.002478
p1 2.12e-12 ± 9.299e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 4.362e+04 / 18
p0 79.16 ± 0.007231
p1 0.45 ± 3.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 337.4 / 18
p0 1.348 ± 0.003954
p1 3.598e-05 ± 2.728e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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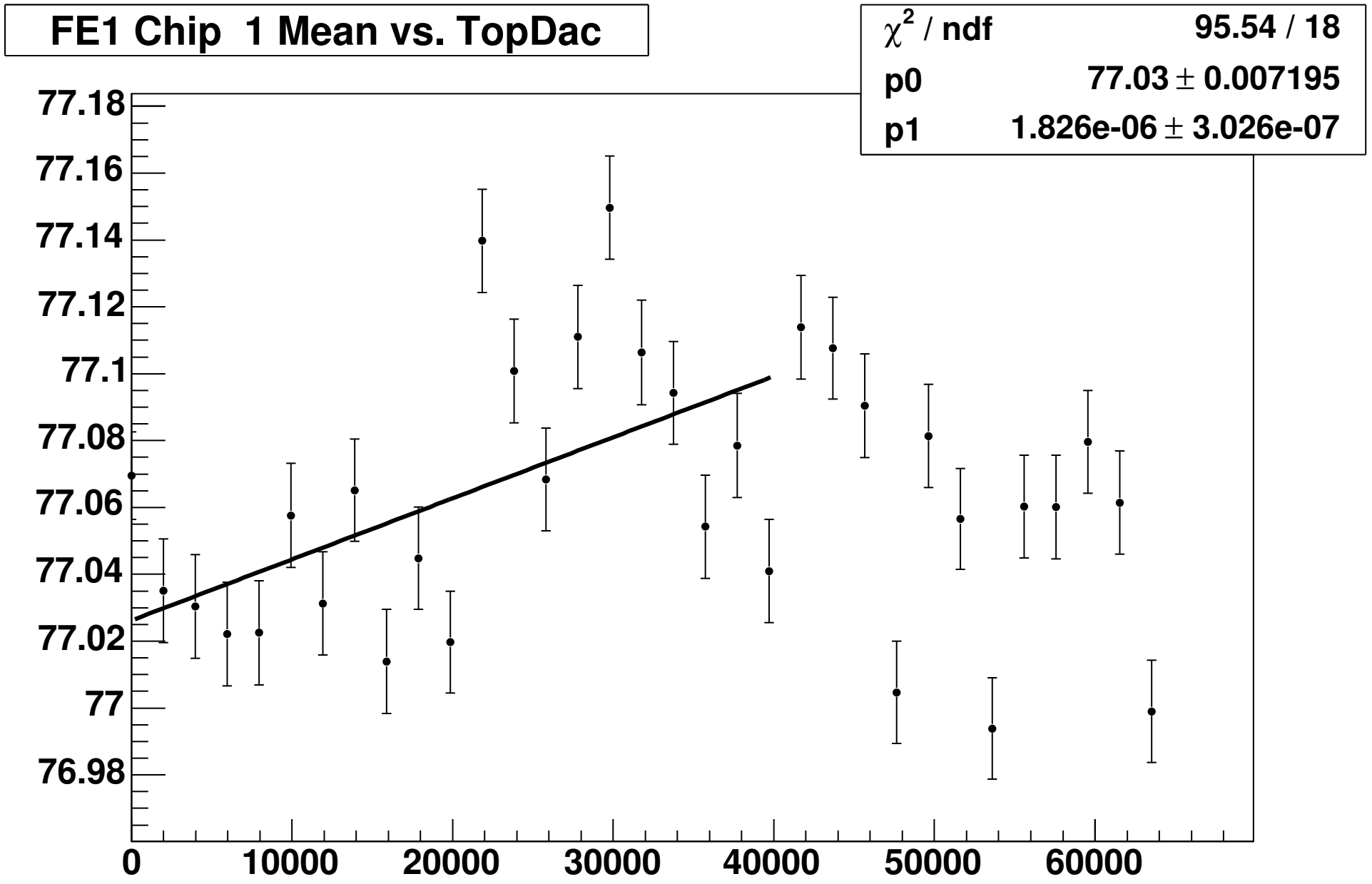
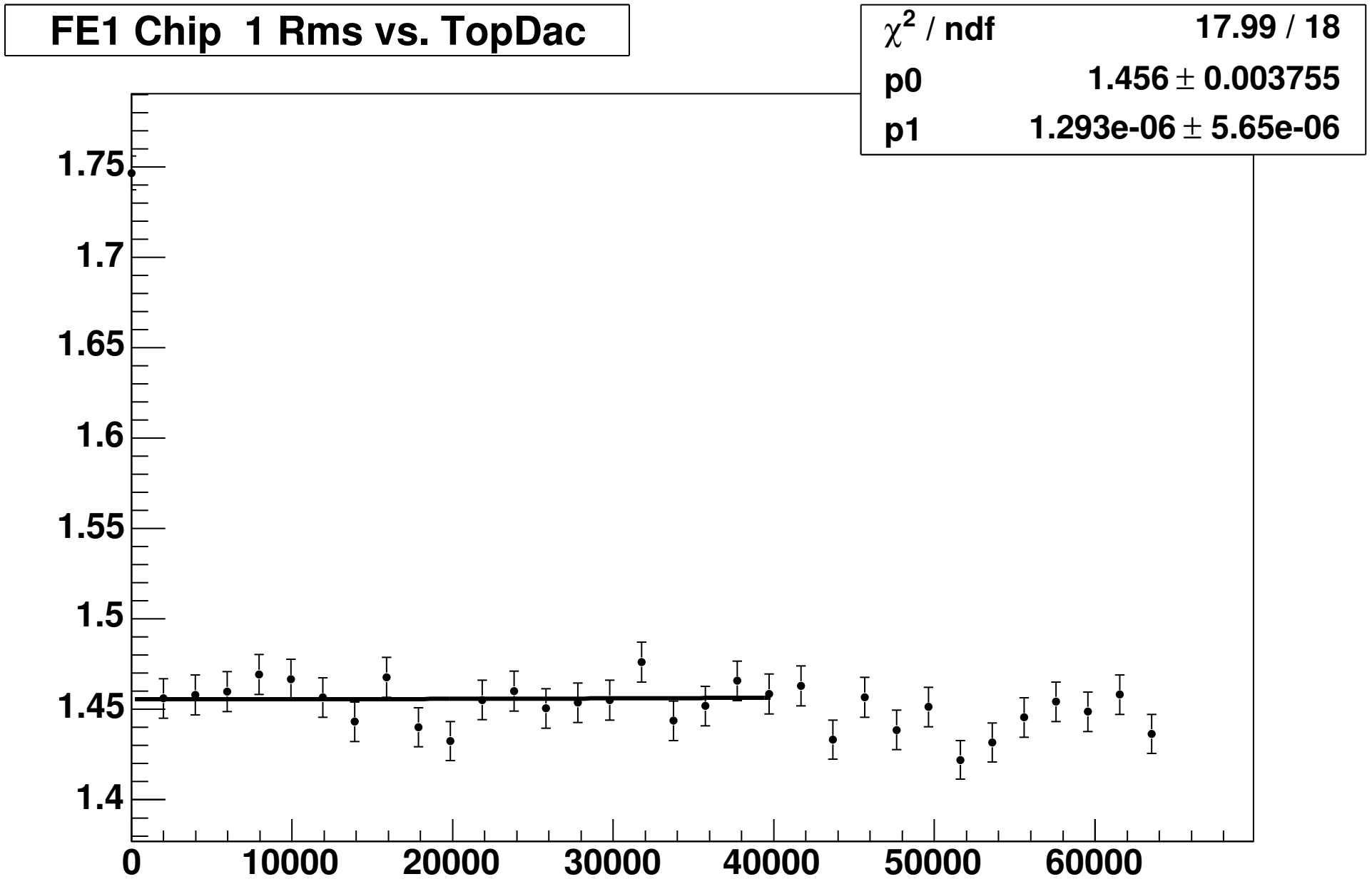
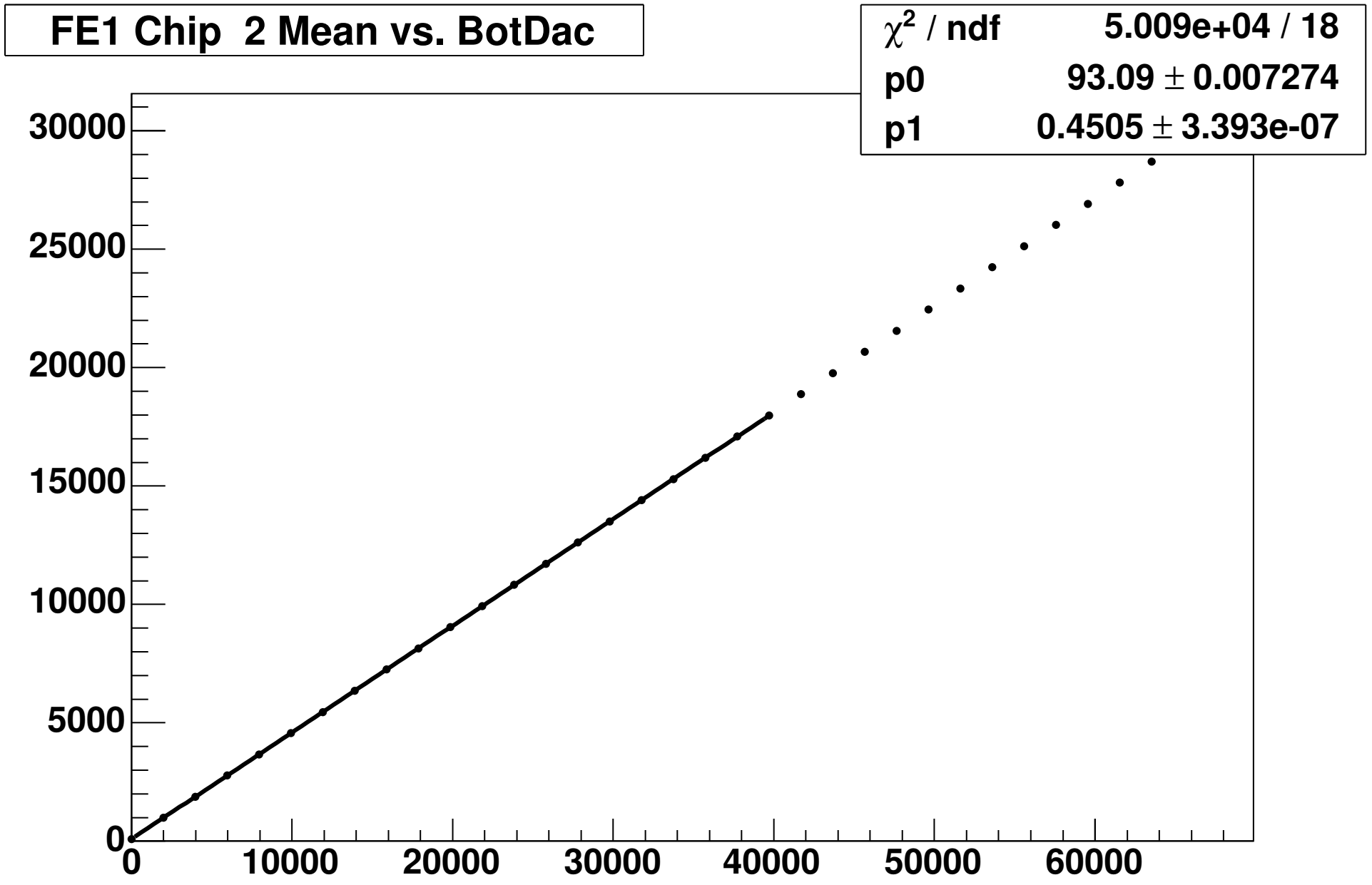
60000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 95.54 / 18
p0 77.03 ± 0.007195
p1 1.826e-06 ± 3.026e-07
77.18
77.16
77.14
77.12
77.1
77.08
77.06
77.04
77.02
77
76.98
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 17.99 / 18
p0 1.456 ± 0.003755
p1 1.293e-06 ± 5.65e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 5.009e+04 / 18
p0 93.09 ± 0.007274
p1 0.4505 ± 3.393e-07
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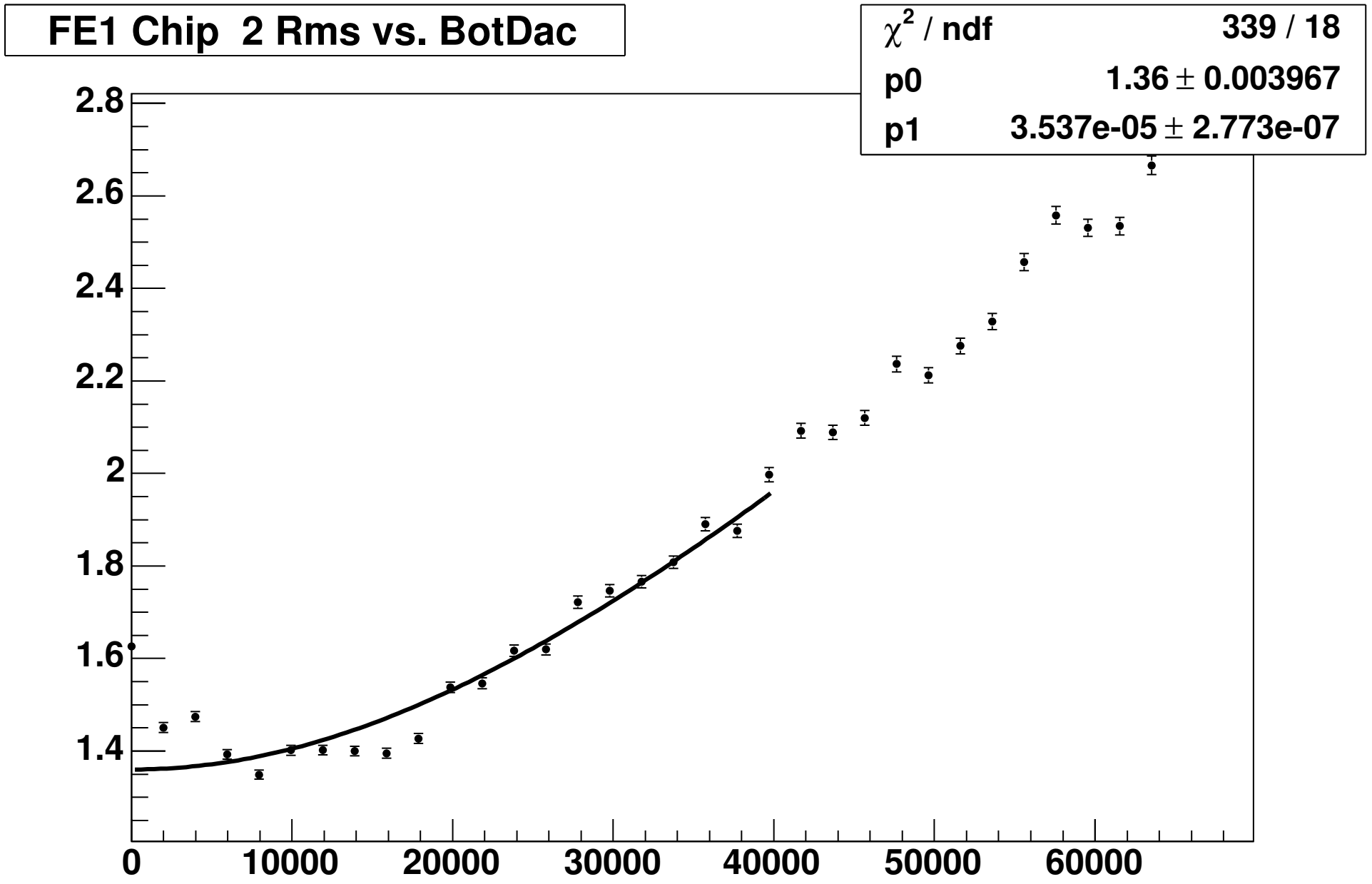
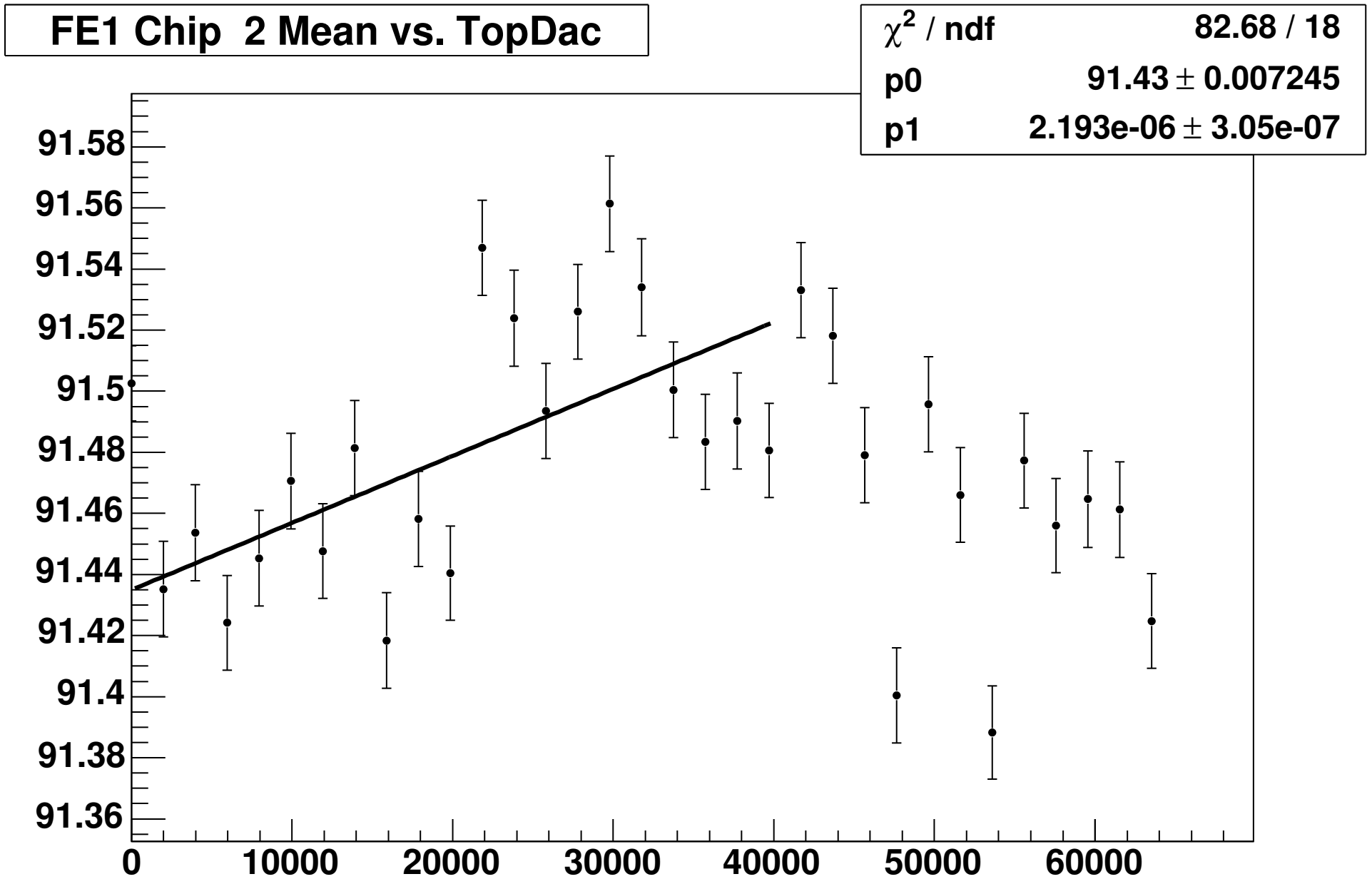
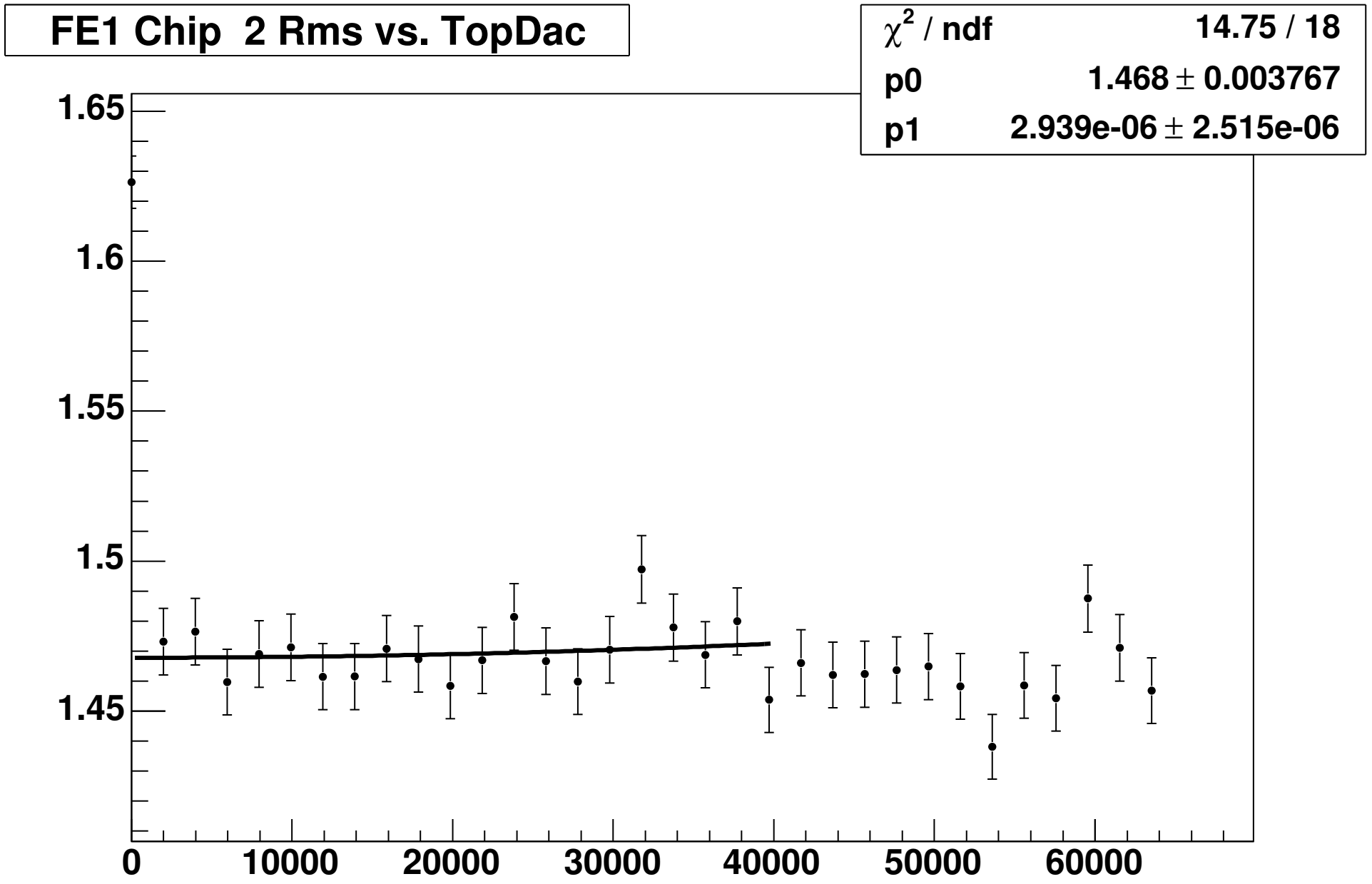
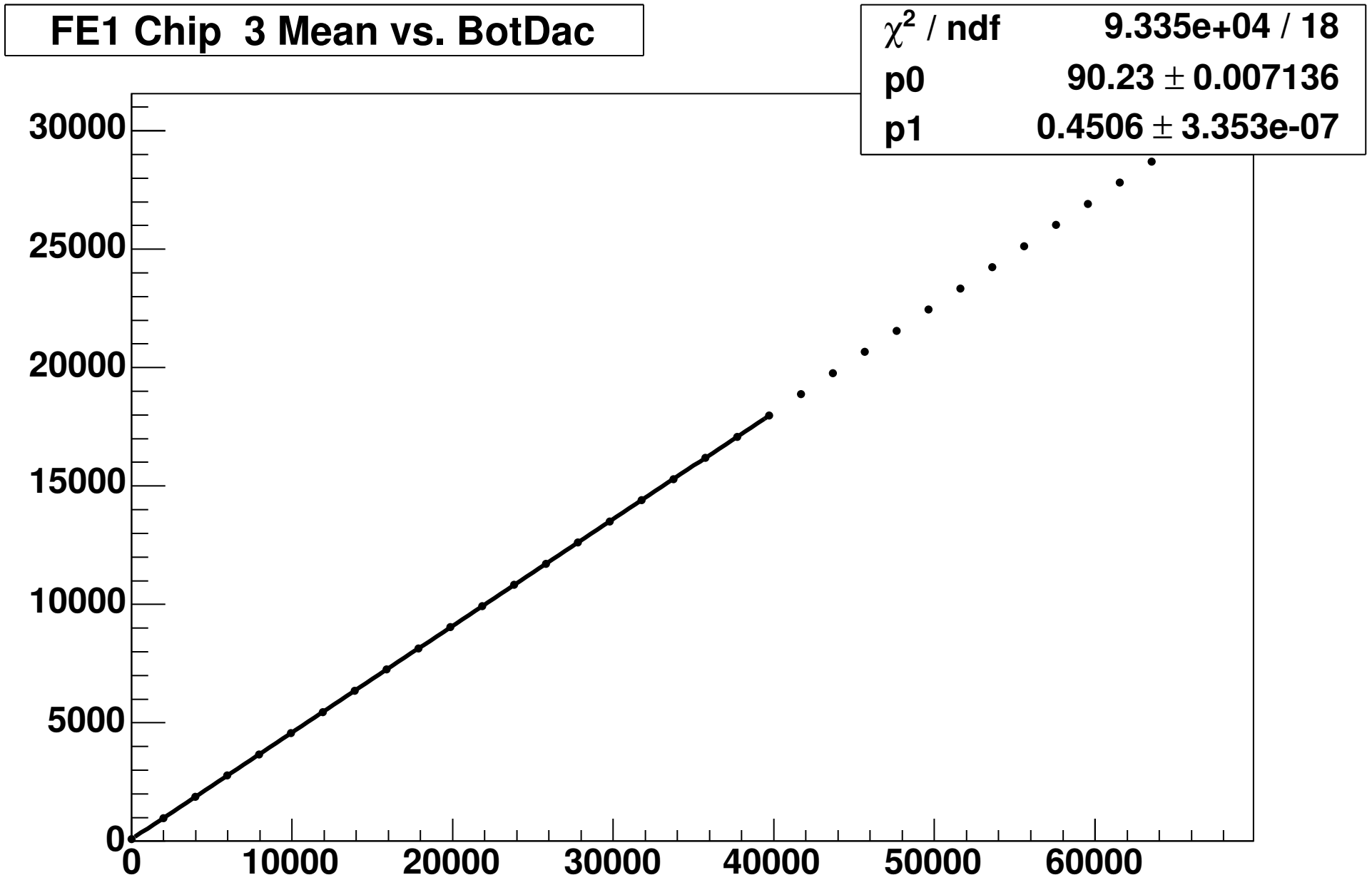
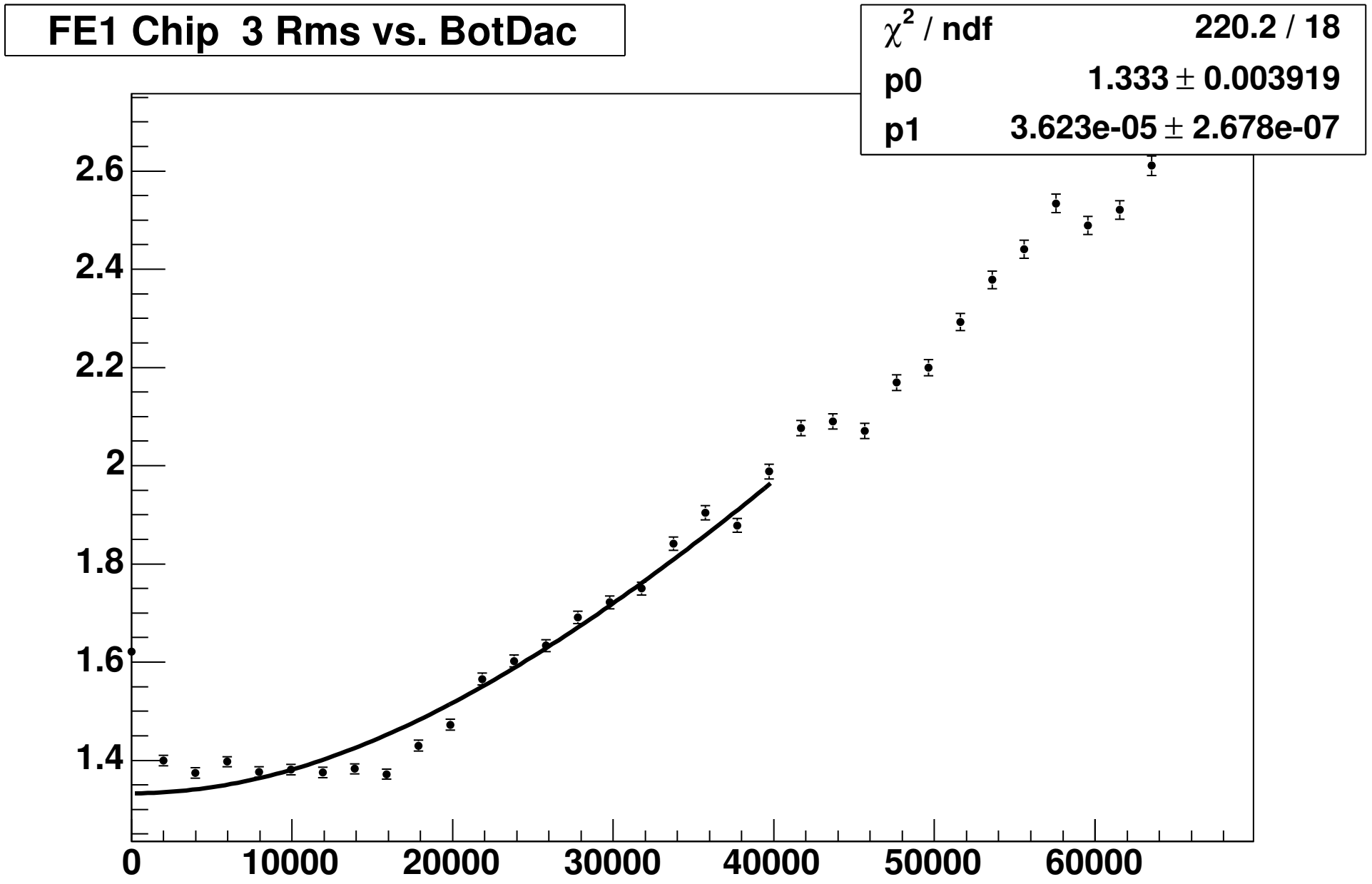
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

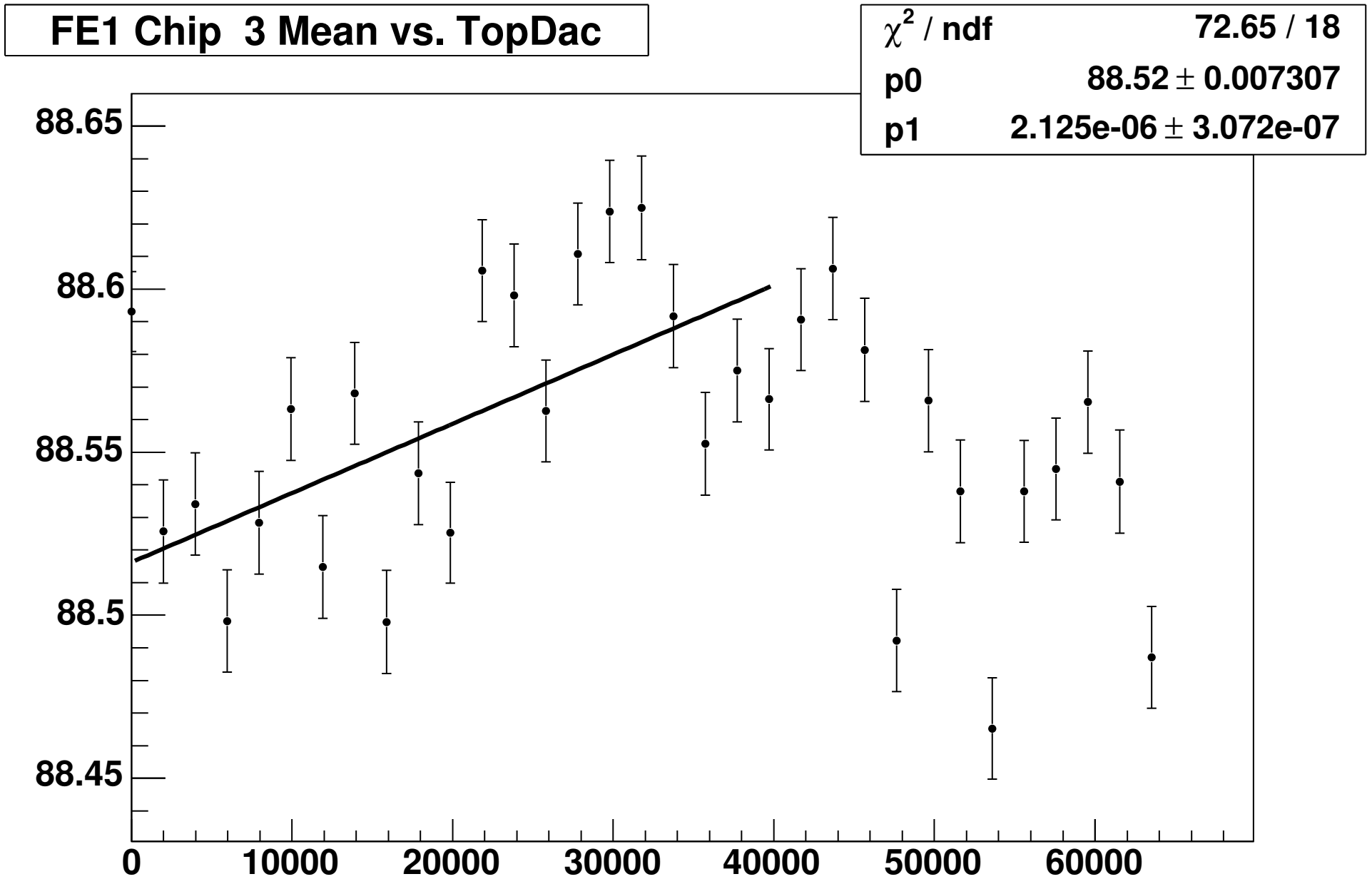

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 339 / 18
p0 1.36 ± 0.003967
p1 3.537e-05 ± 2.773e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 82.68 / 18
p0 91.43 ± 0.007245
p1 2.193e-06 ± 3.05e-07
91.58
91.56
91.54
91.52
91.5
91.48
91.46
91.44
91.42
91.4
91.38
91.36
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 14.75 / 18
p0 1.468 ± 0.003767
p1 2.939e-06 ± 2.515e-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 9.335e+04 / 18
p0 90.23 ± 0.007136
p1 0.4506 ± 3.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 220.2 / 18
p0 1.333 ± 0.003919
p1 3.623e-05 ± 2.678e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 72.65 / 18
p0 88.52 ± 0.007307
p1 2.125e-06 ± 3.072e-07
88.65
88.6
88.55
88.5
88.45
0
10000
20000
30000
40000
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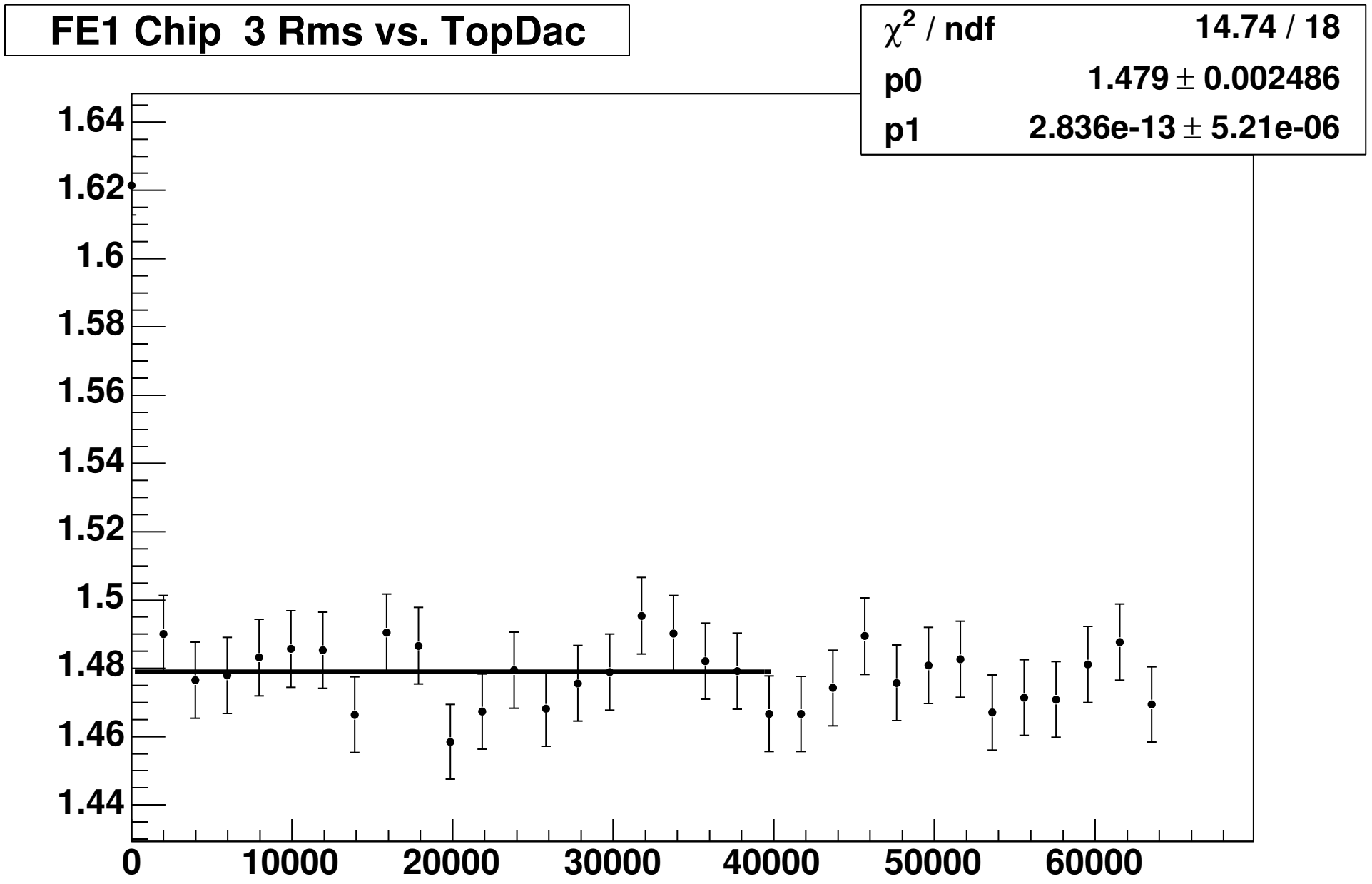
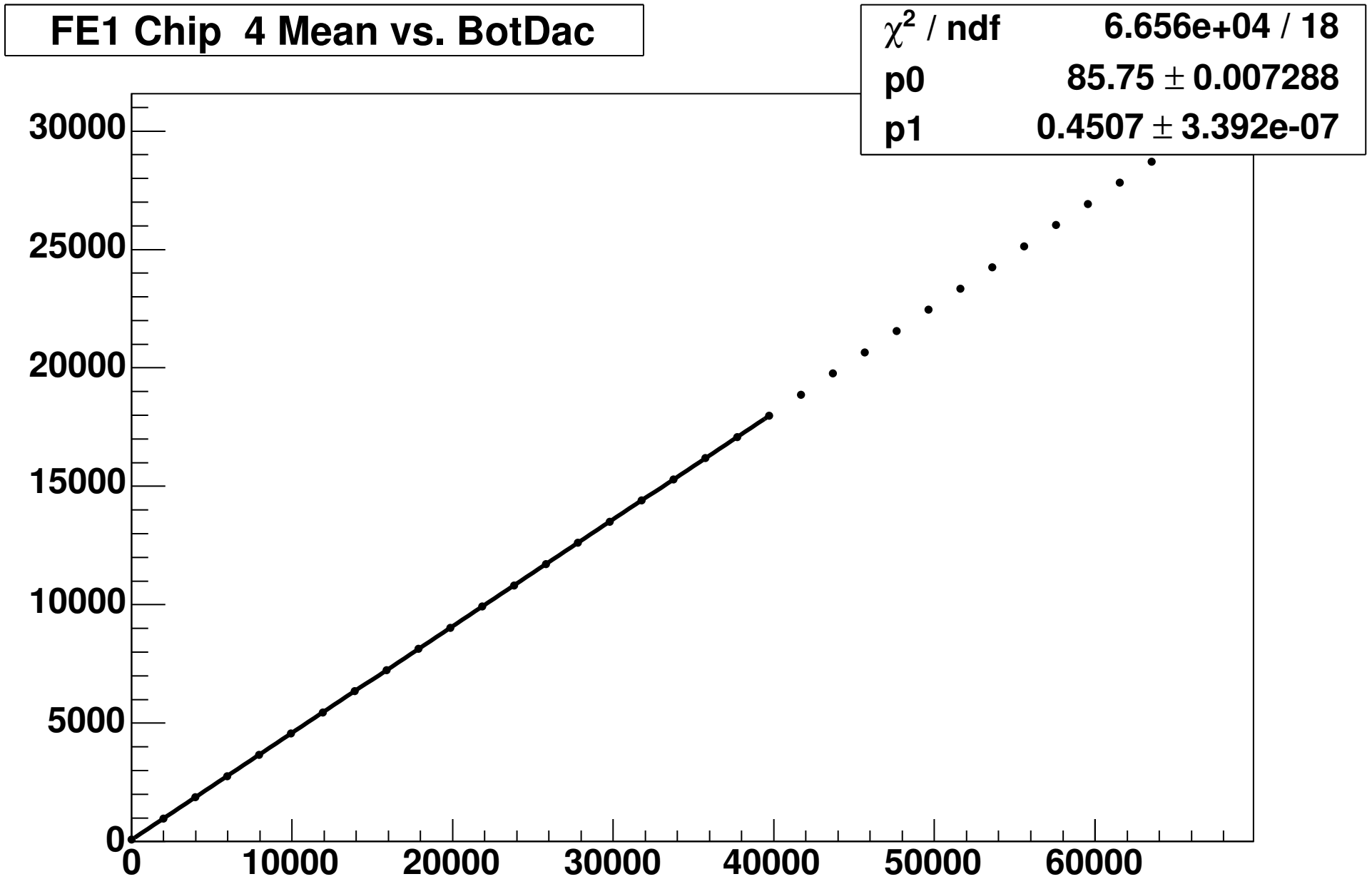
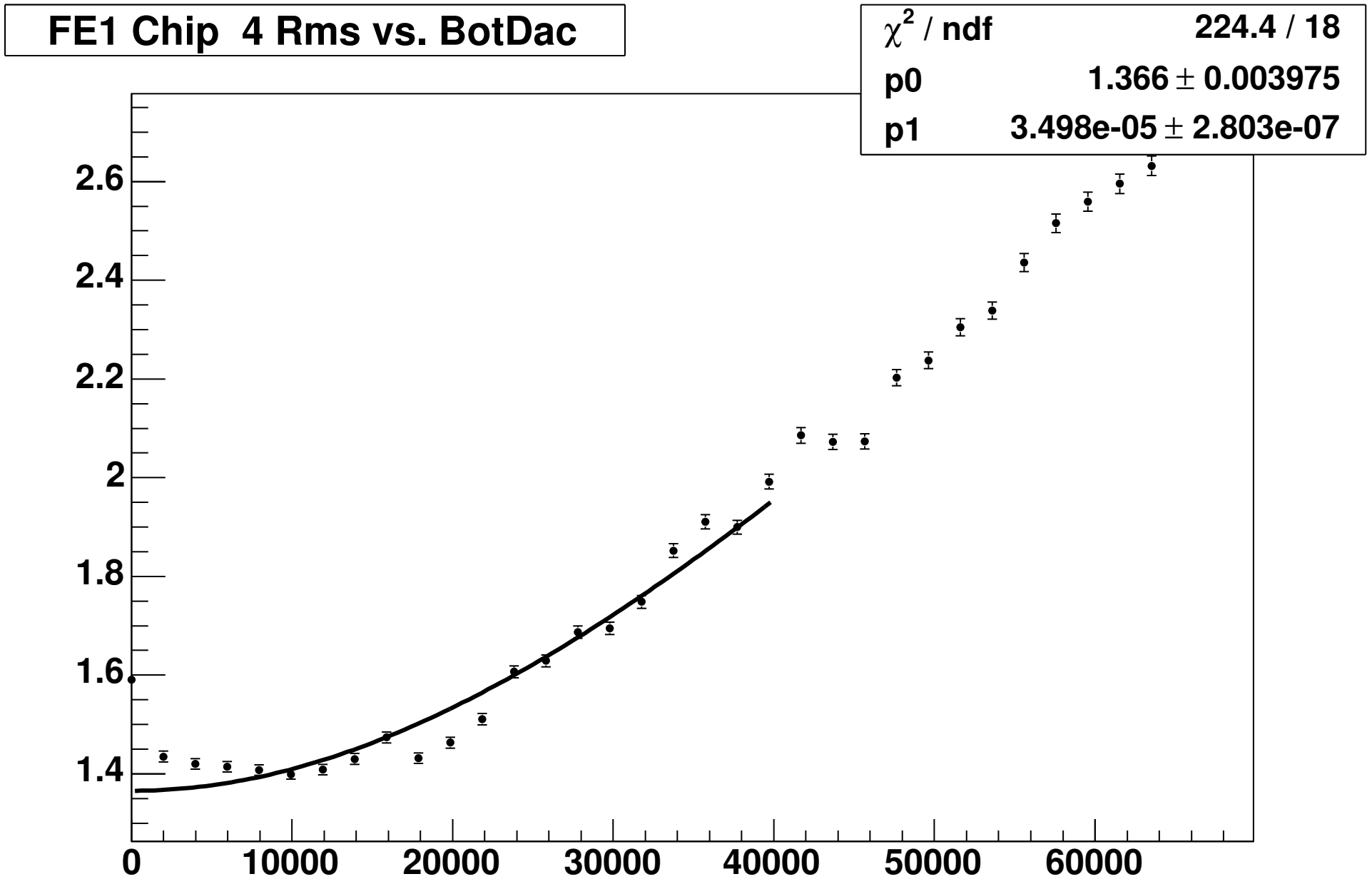
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 14.74 / 18
p0 1.479 ± 0.002486
p1 2.836e-13 ± 5.21e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 6.656e+04 / 18
p0 85.75 ± 0.007288
p1 0.4507 ± 3.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 224.4 / 18
p0 1.366 ± 0.003975
p1 3.498e-05 ± 2.803e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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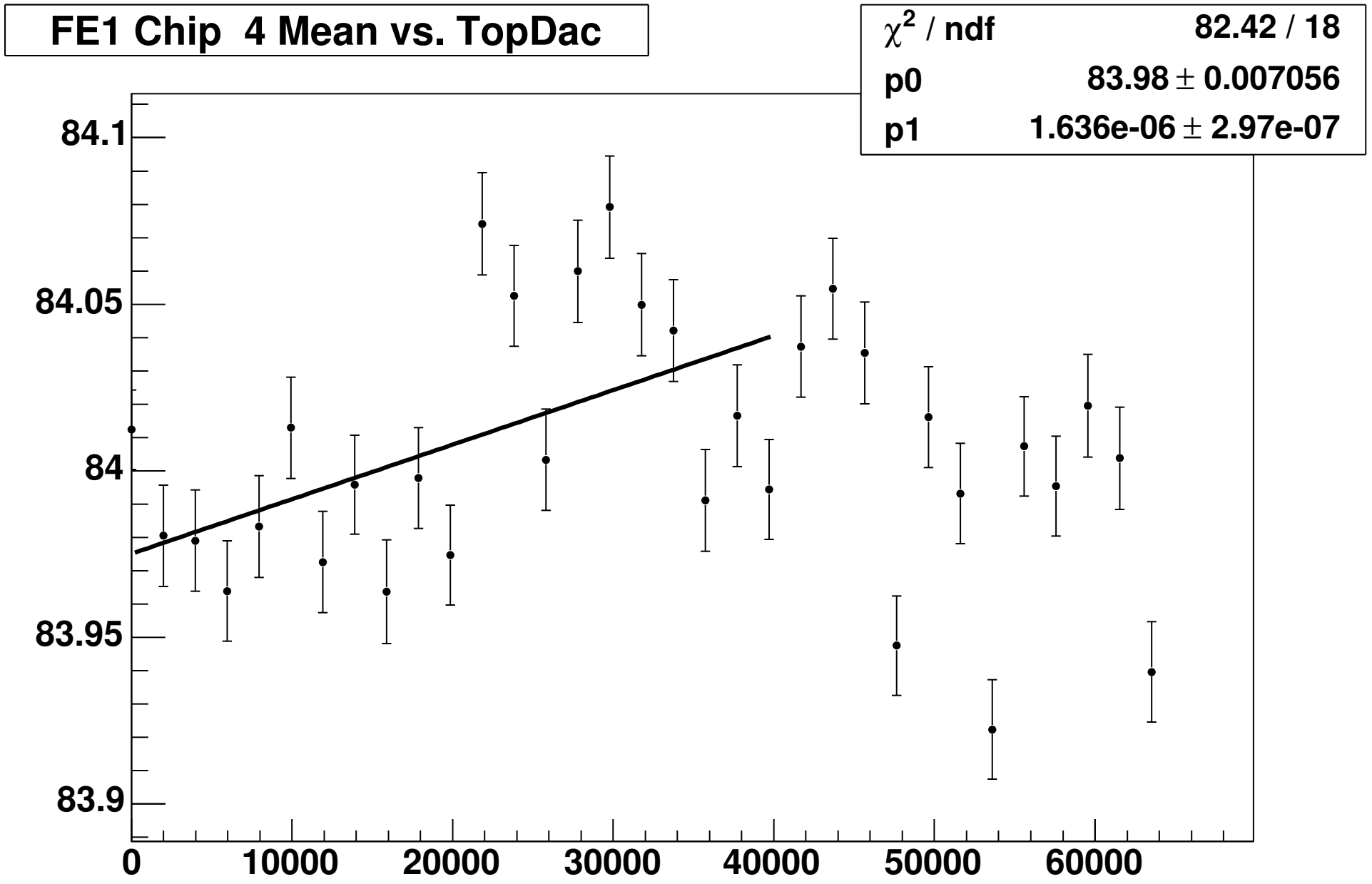
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 82.42 / 18
p0 83.98 ± 0.007056
p1 1.636e-06 ± 2.97e-07
84.1
84.05
84
83.95
83.9
0
10000
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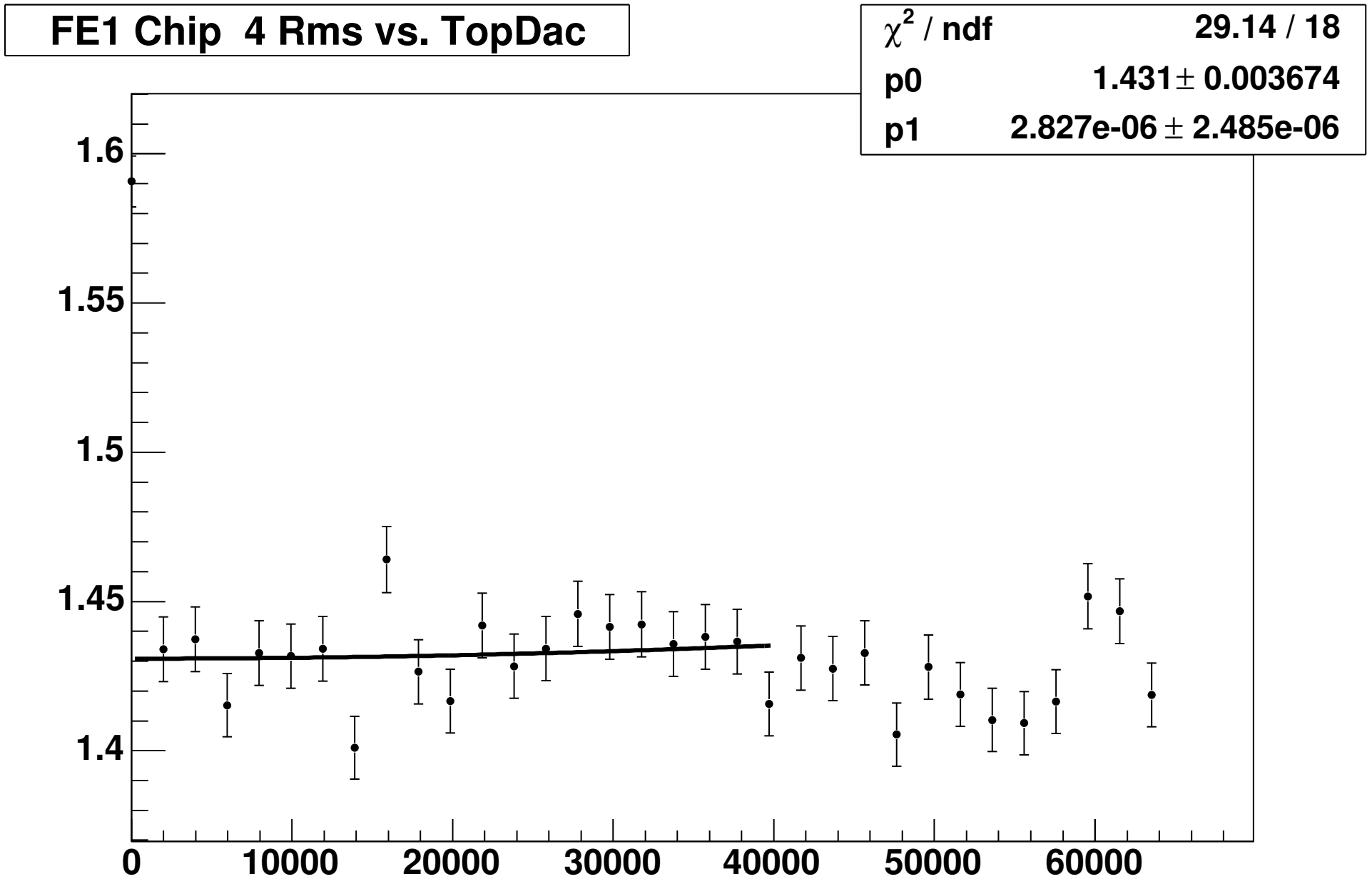
60000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 29.14 / 18
p0 1.431 ± 0.003674
p1 2.827e-06 ± 2.485e-06
1.6
1.55
1.5
1.45
1.4
0
10000
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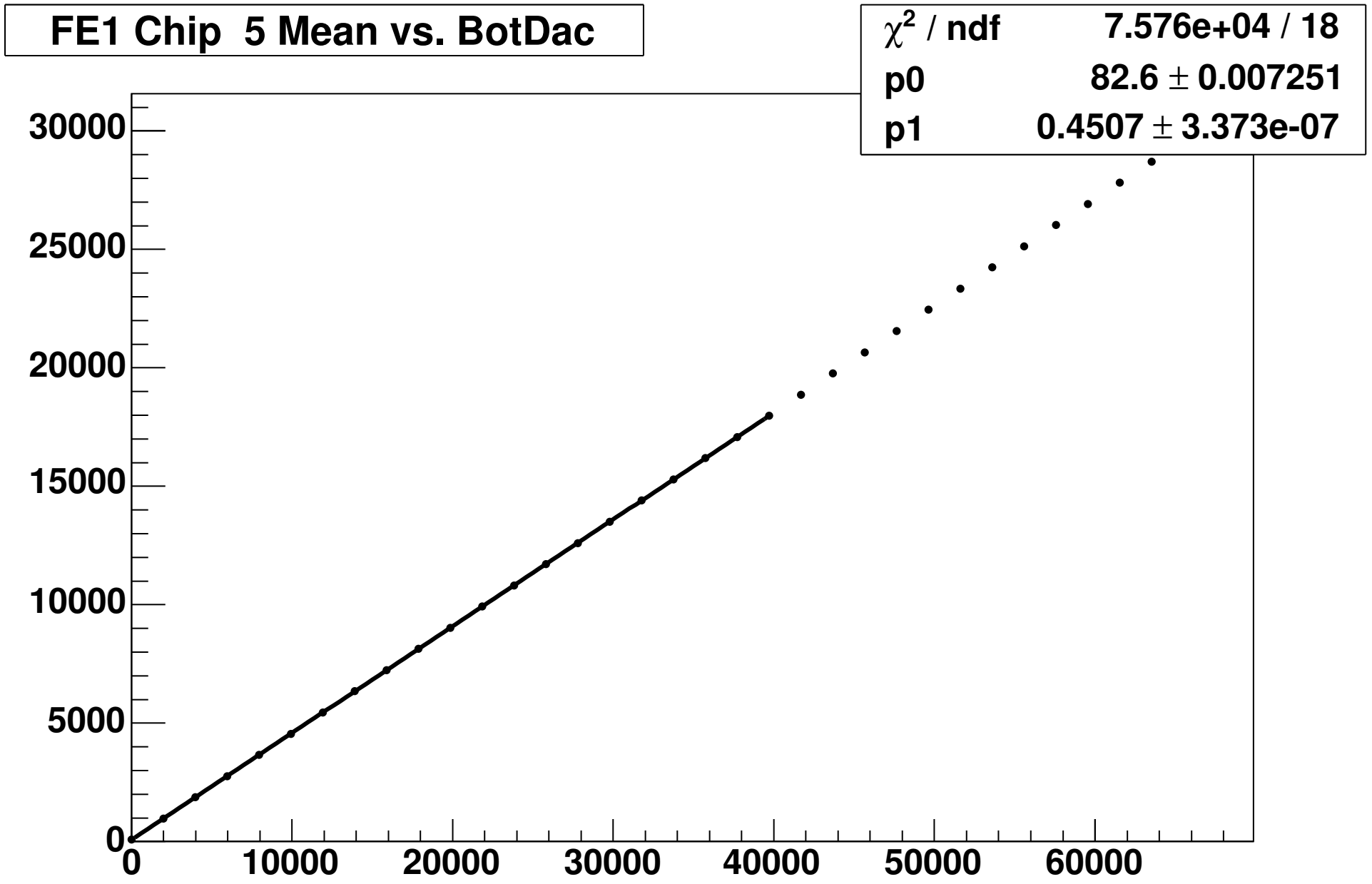
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 7.576e+04 / 18
p0 82.6 ± 0.007251
p1 0.4507 ± 3.373e-07
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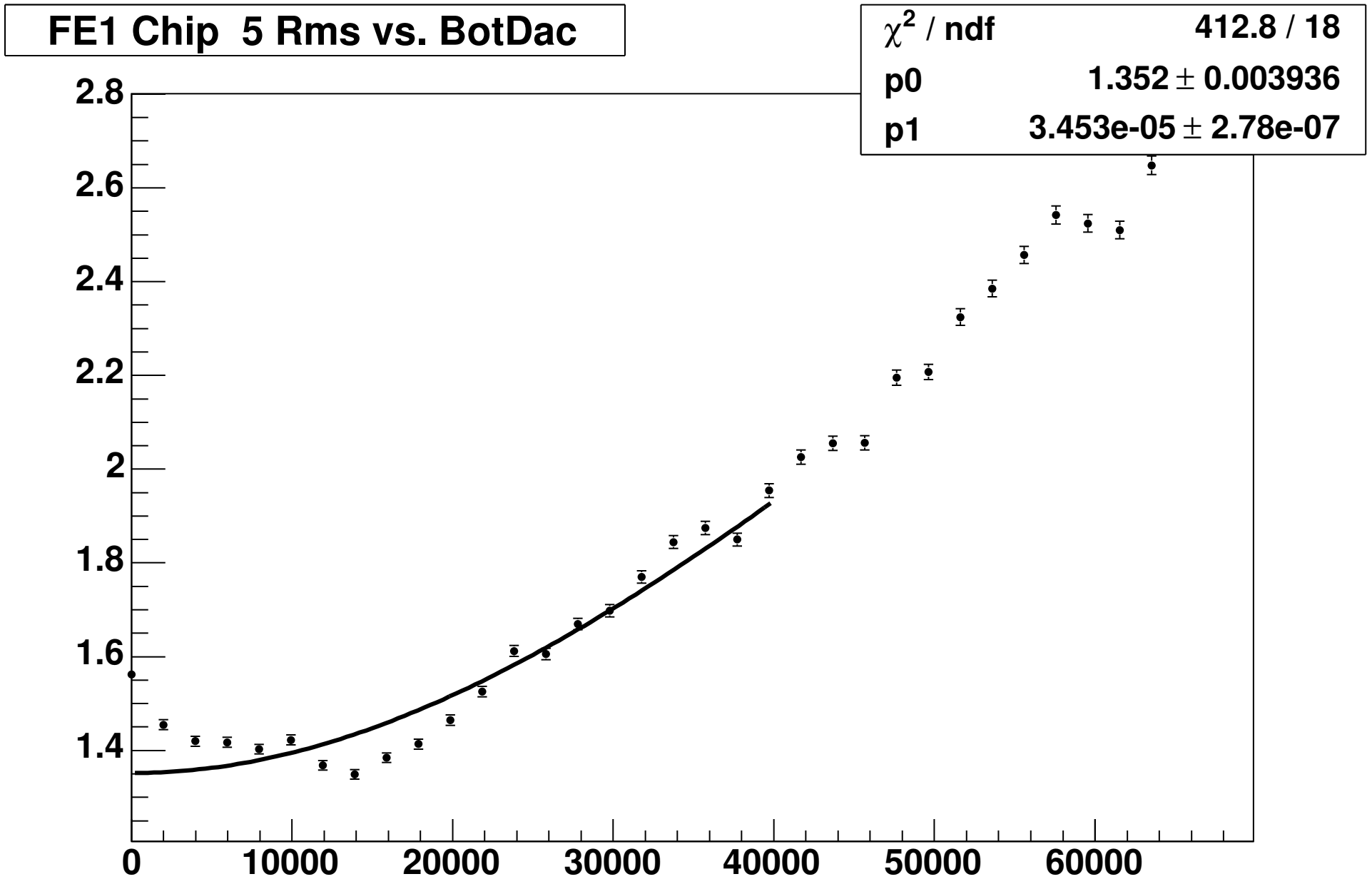
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 412.8 / 18
p0 1.352 ± 0.003936
p1 3.453e-05 ± 2.78e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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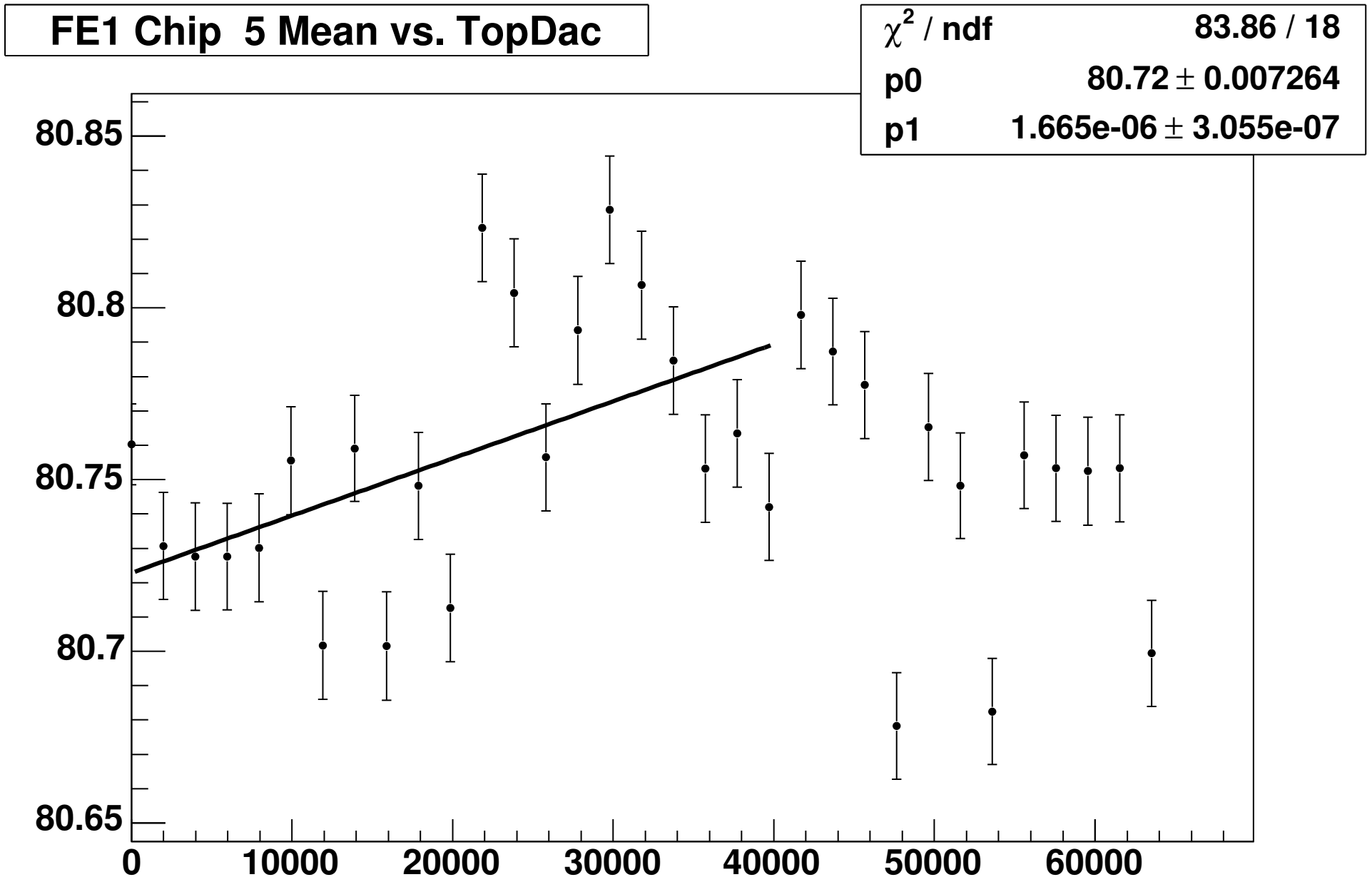
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 83.86 / 18
p0 80.72 ± 0.007264
p1 1.665e-06 ± 3.055e-07
80.85
80.8
80.75
80.7
80.65
0
10000
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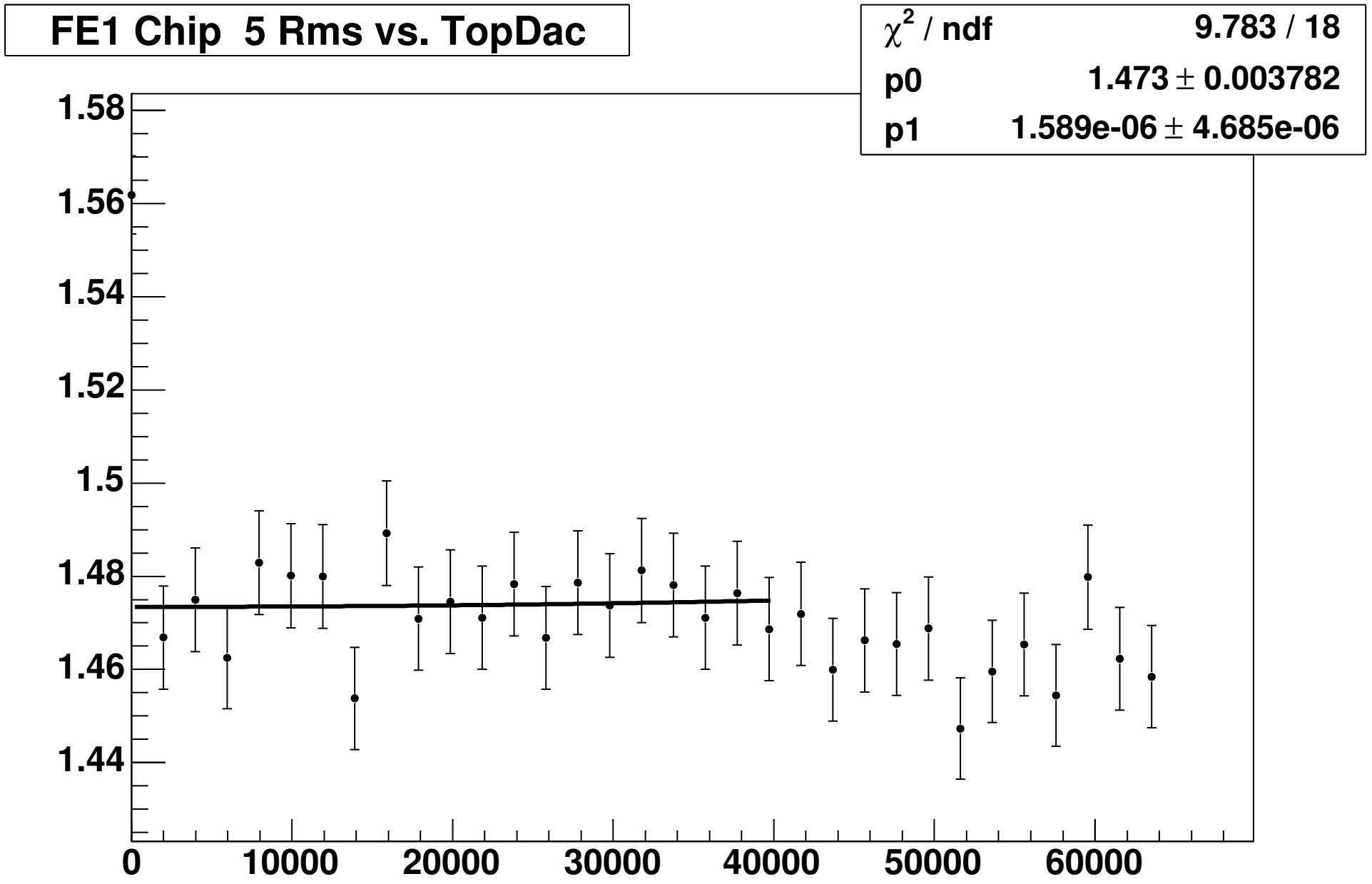
60000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 9.783 / 18
p0 1.473 ± 0.003782
p1 1.589e-06 ± 4.685e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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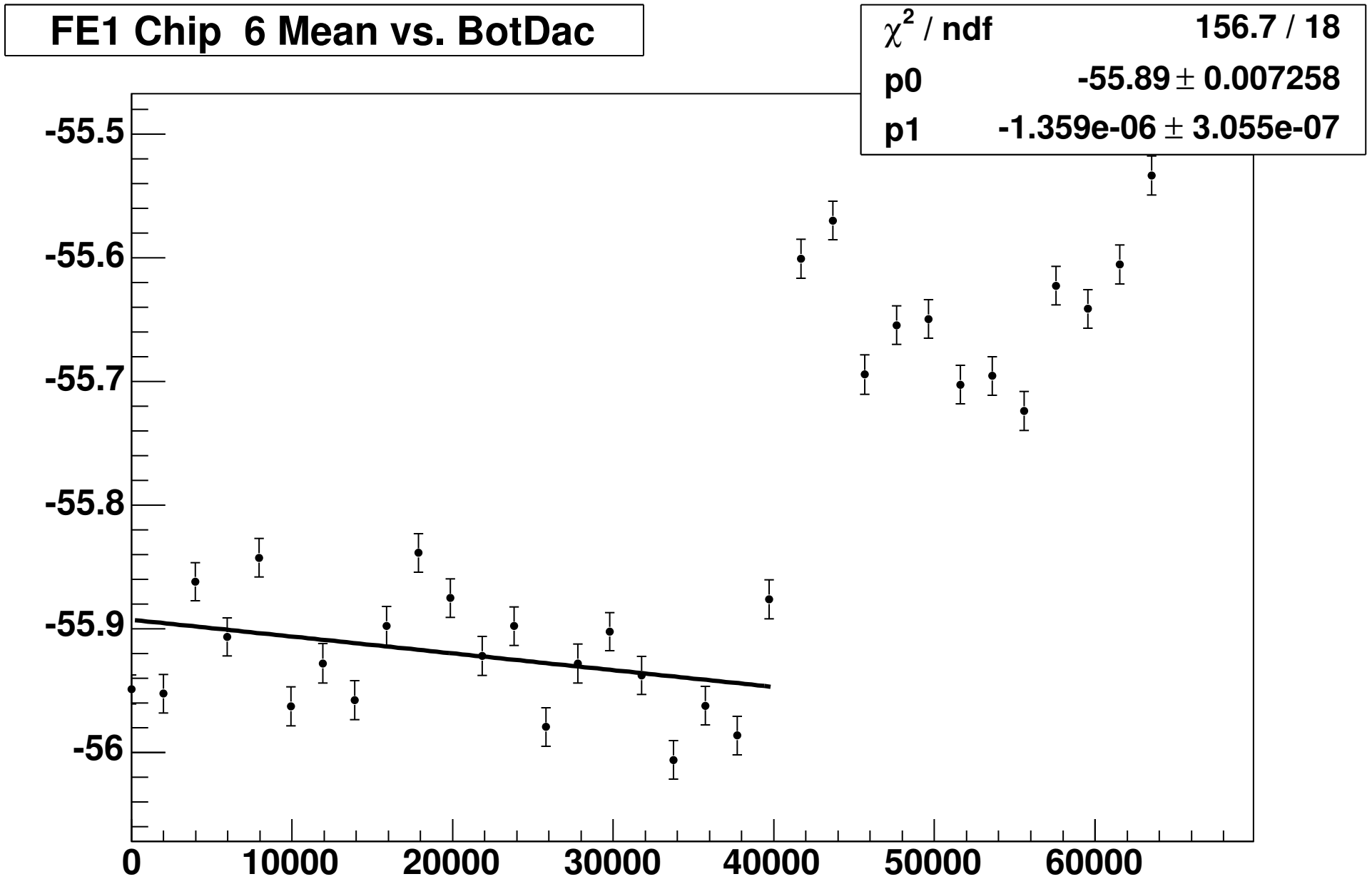
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 156.7 / 18
p0 -55.89 ± 0.007258
p1 -1.359e-06 ± 3.055e-07
-55.5
-55.6
-55.7
-55.8
-55.9
-56
0
10000
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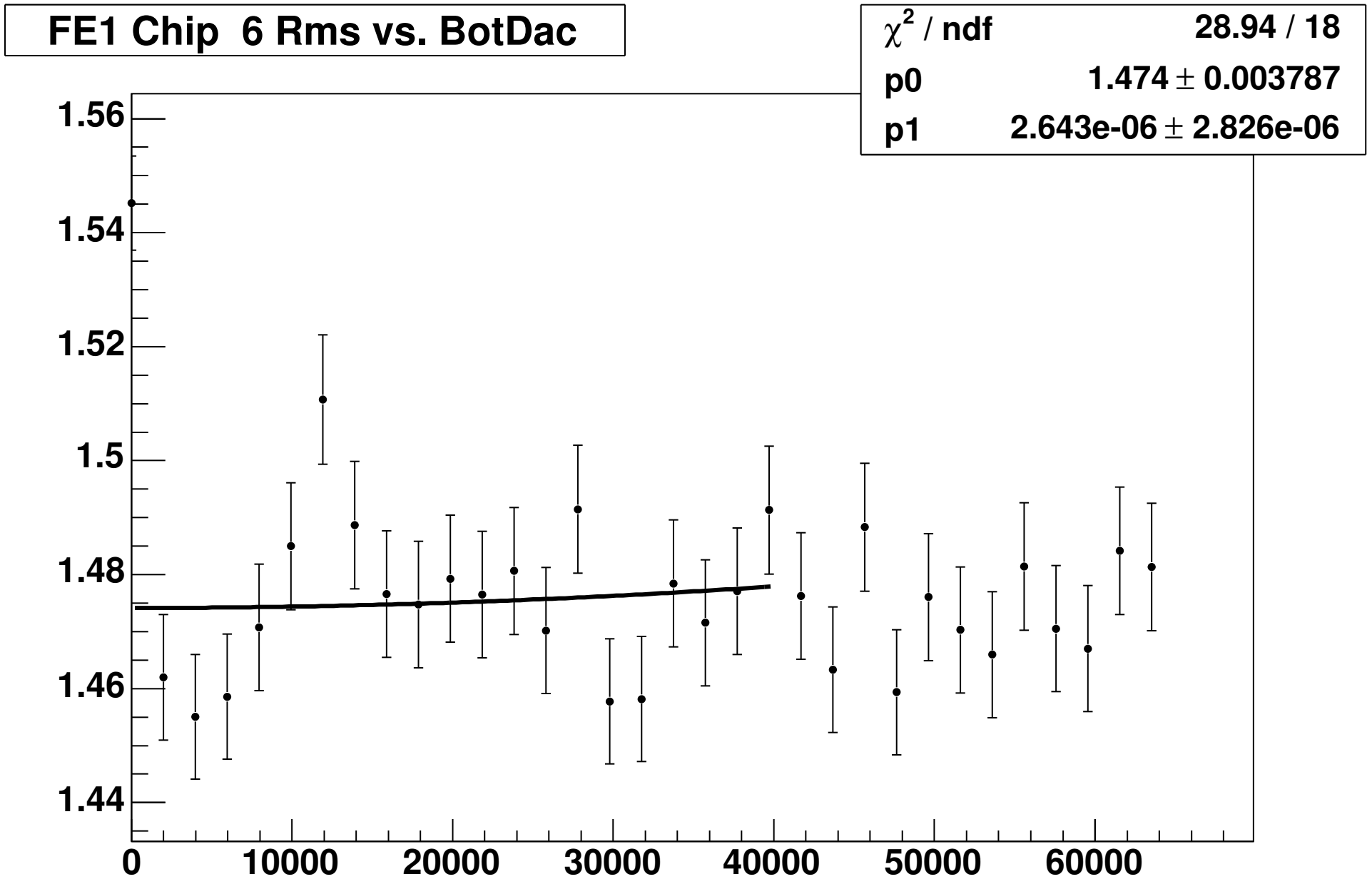
FE1 Chip 6 Rms vs. BotDac
χ² / ndf 28.94 / 18
p0 1.474 ± 0.003787
p1 2.643e-06 ± 2.826e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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30000
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50000
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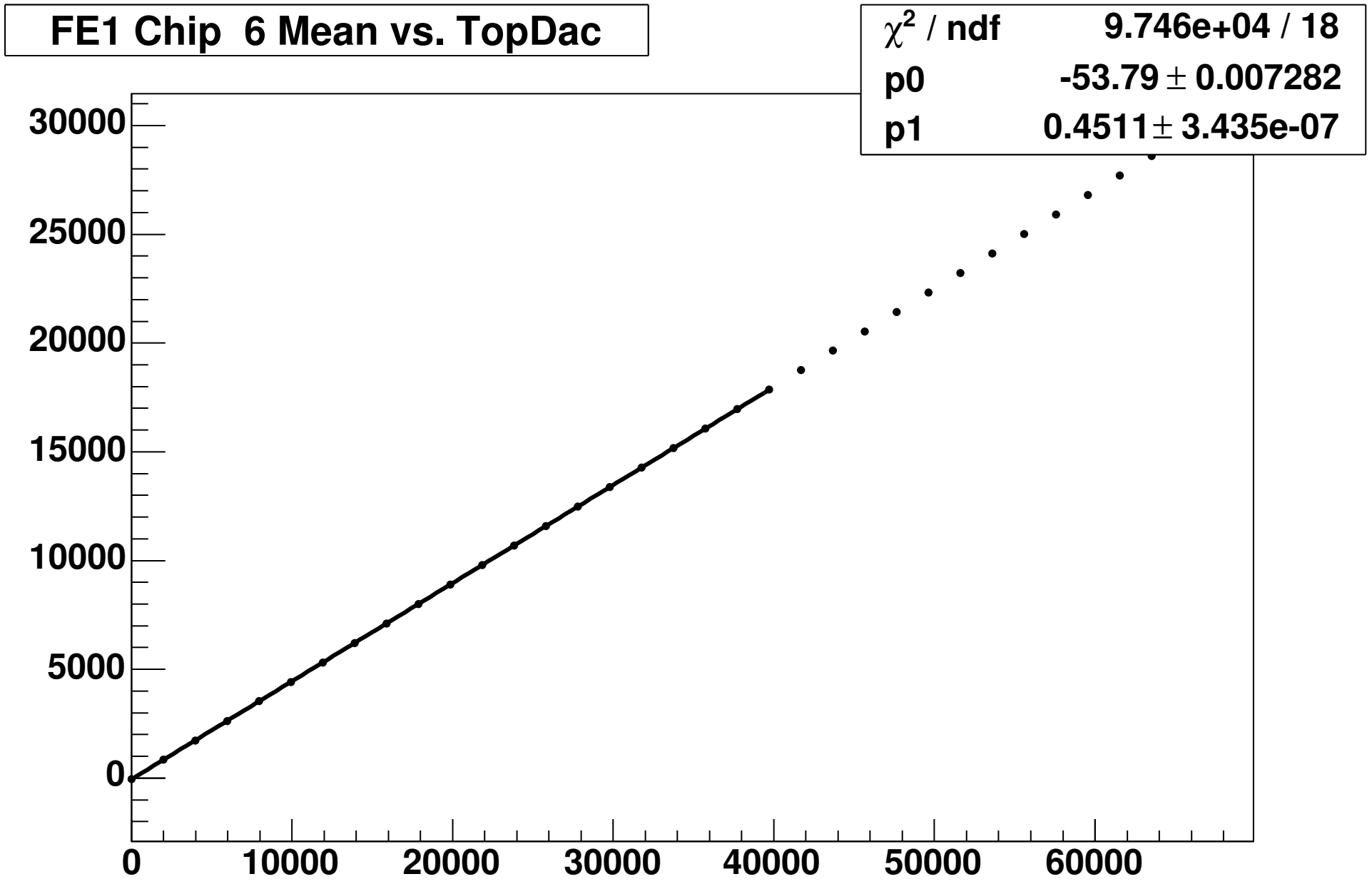
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 9.746e+04 / 18
p0 -53.79 ± 0.007282
p1 0.4511 ± 3.435e-07
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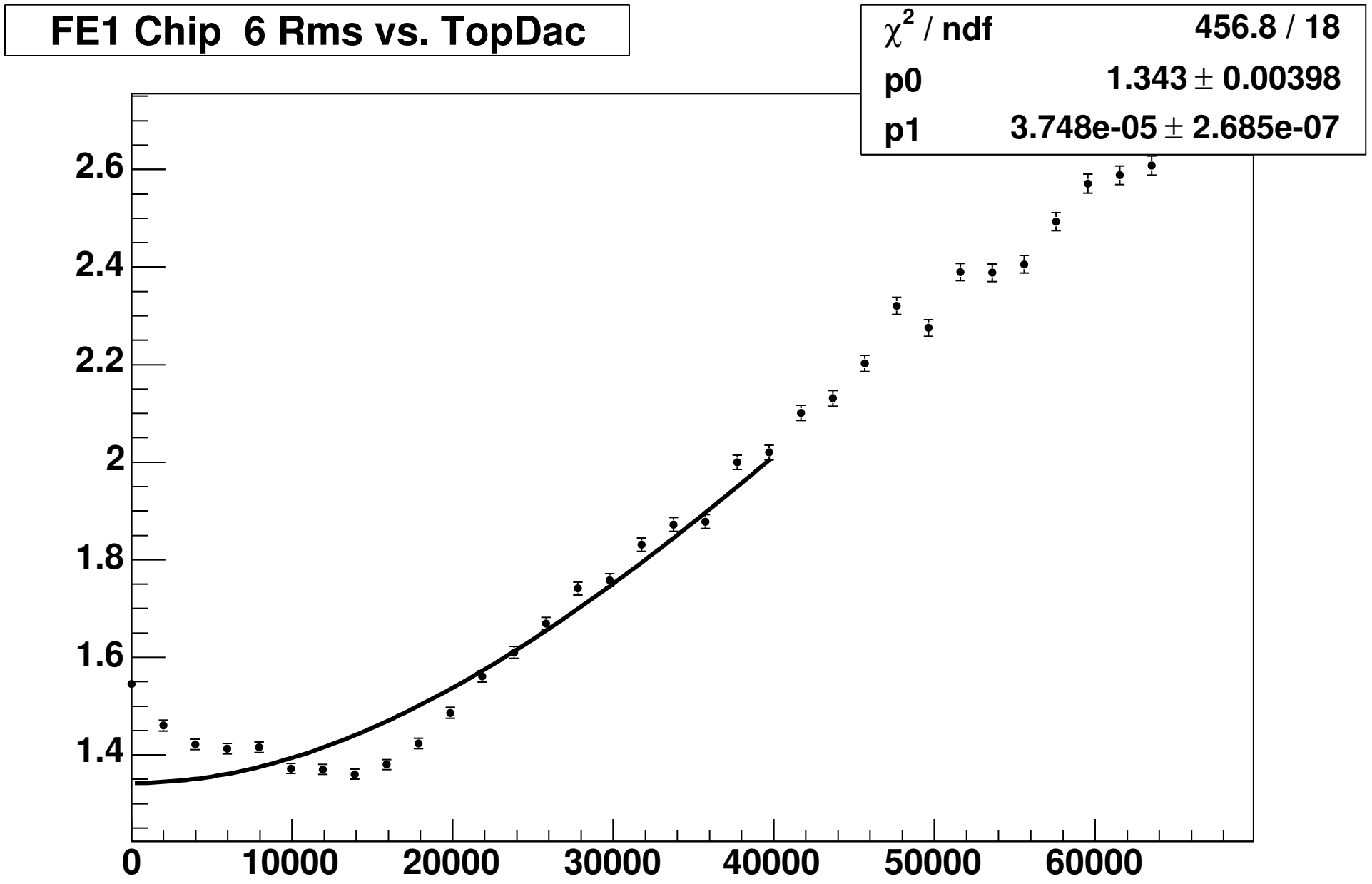
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 456.8 / 18
p0 1.343 ± 0.00398
p1 3.748e-05 ± 2.685e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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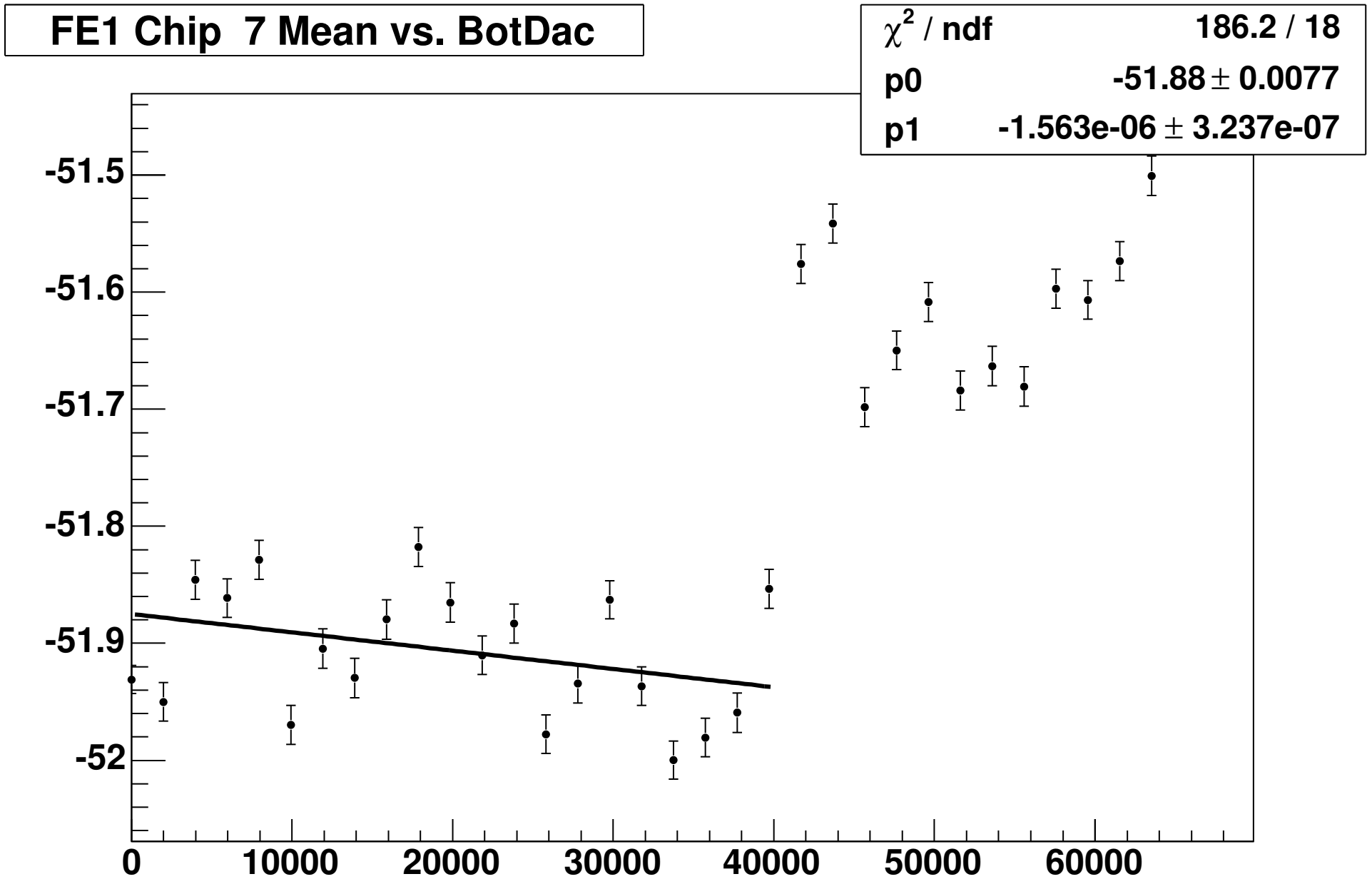
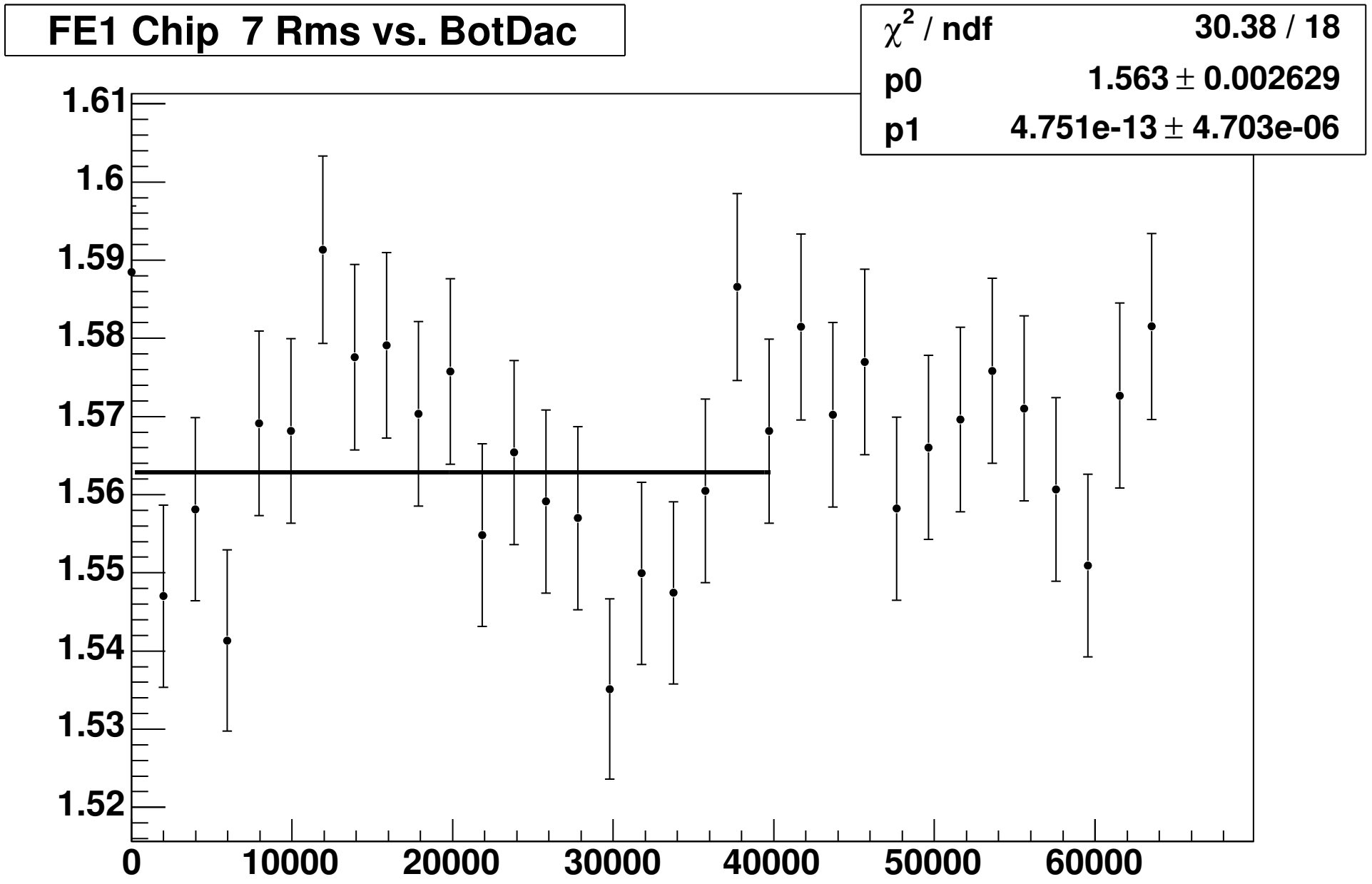
60000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 186.2 / 18
p0 -51.88 ± 0.0077
p1 -1.563e-06 ± 3.237e-07
-51.5
-51.6
-51.7
-51.8
-51.9
-52
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 30.38 / 18
p0 1.563 ± 0.002629
p1 4.751e-13 ± 4.703e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
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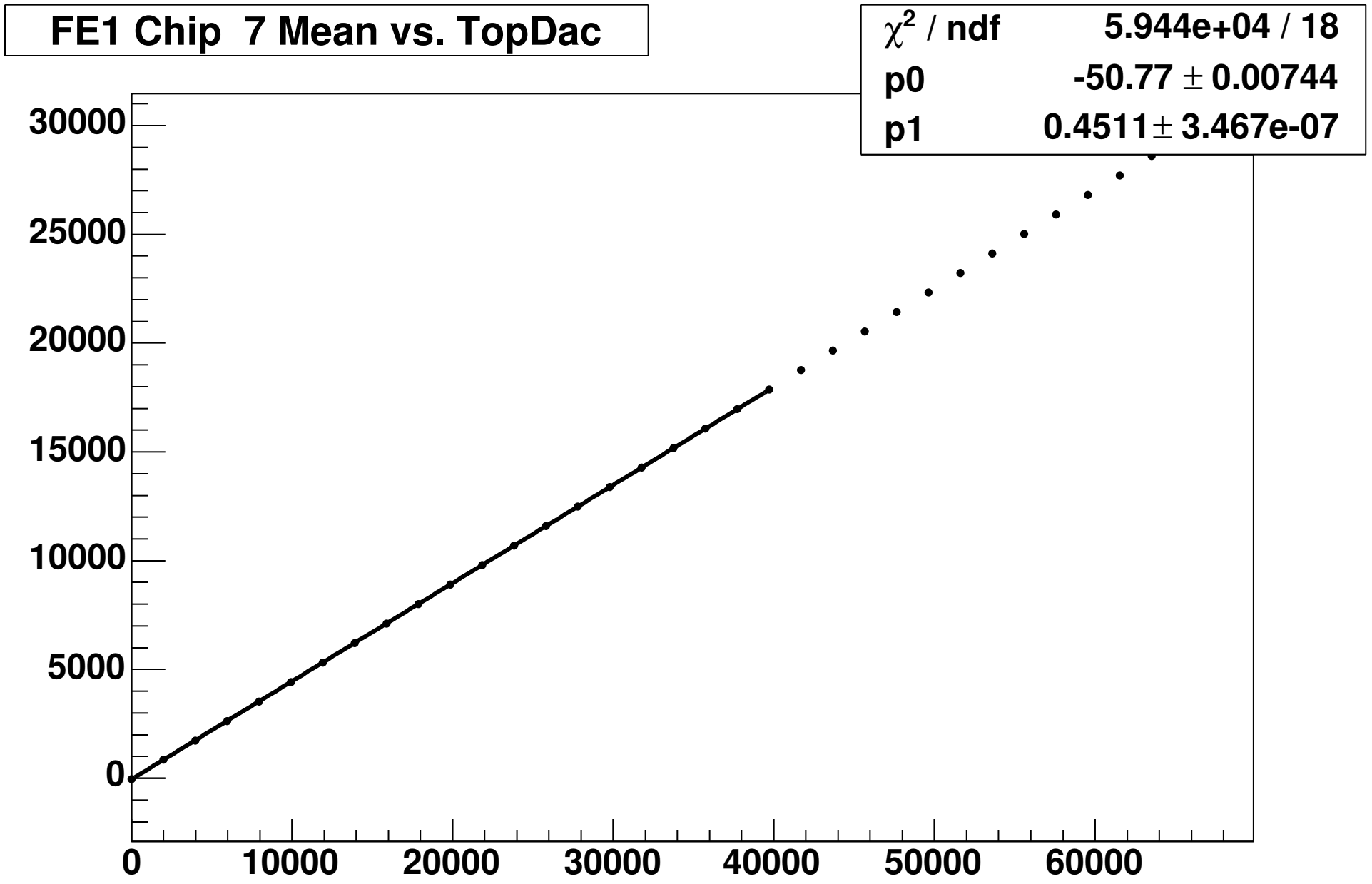
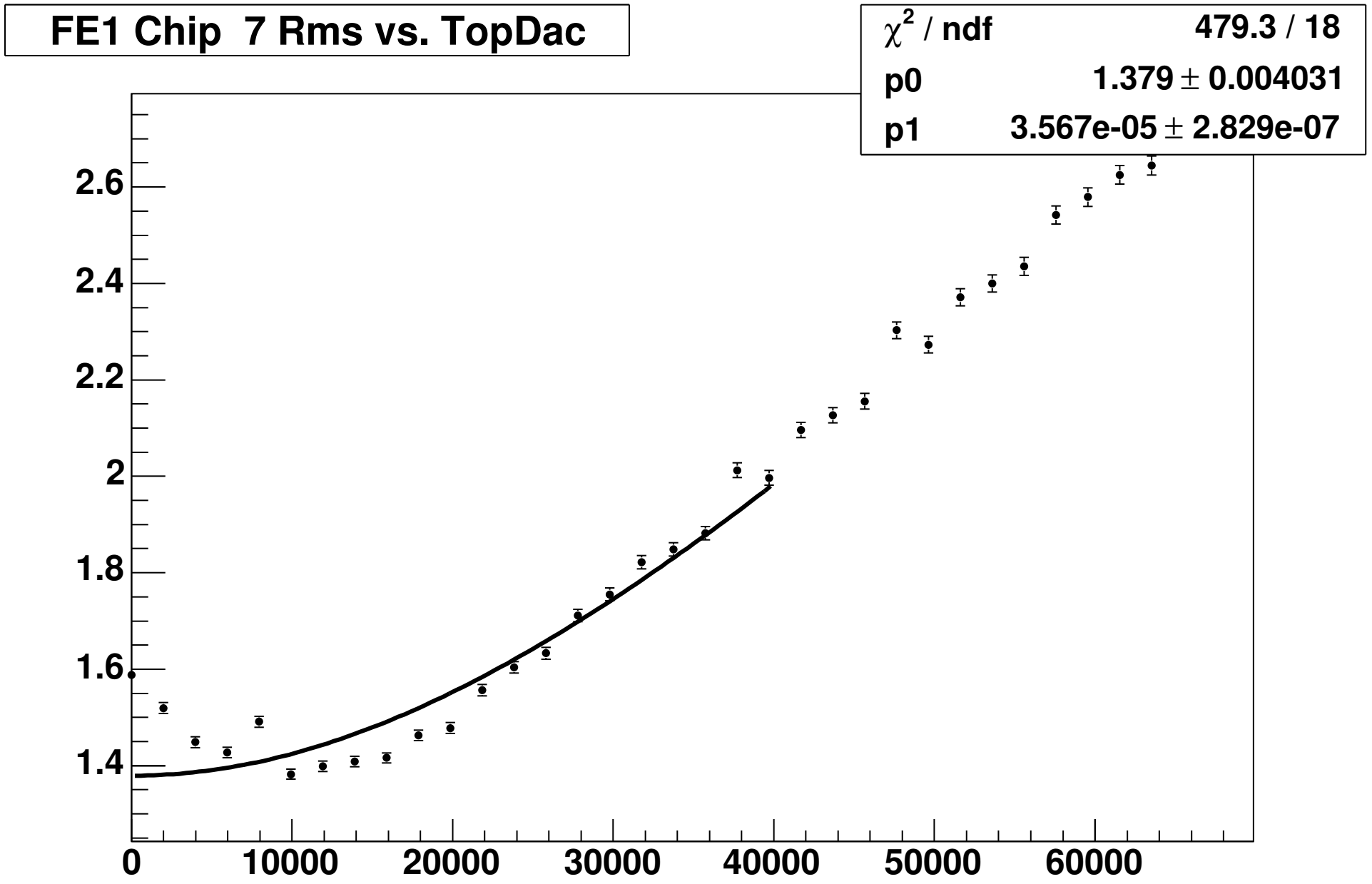
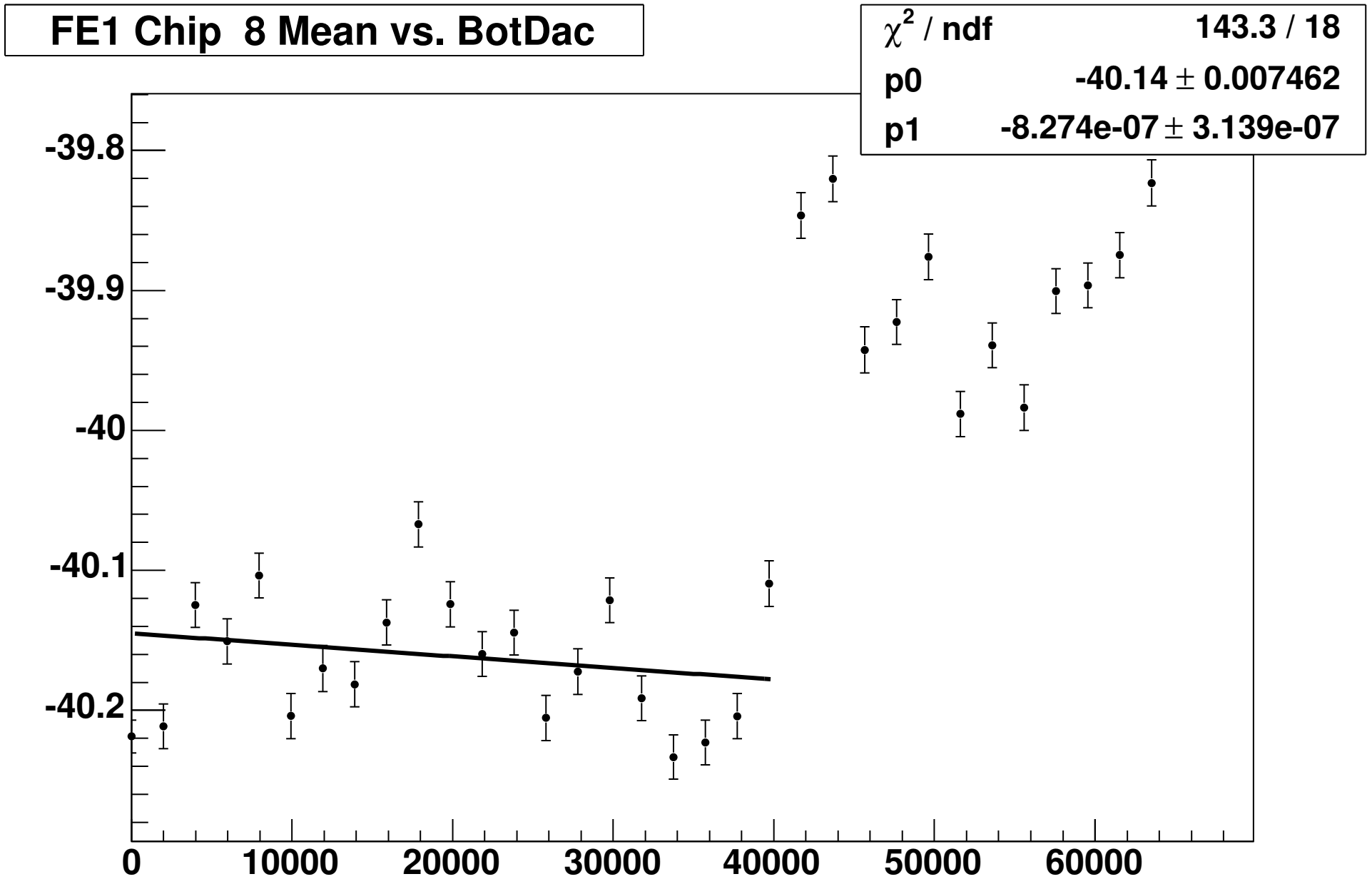
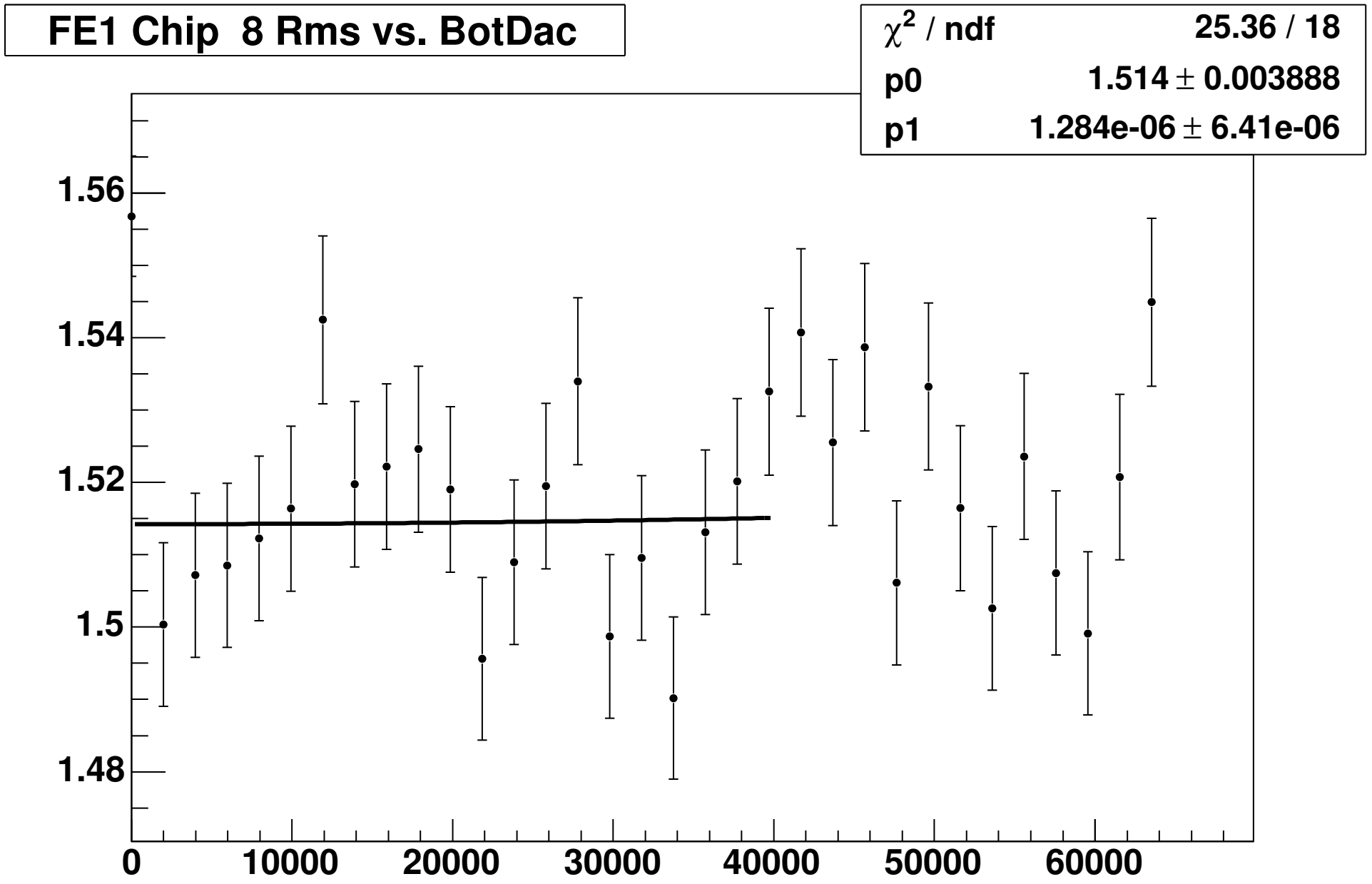
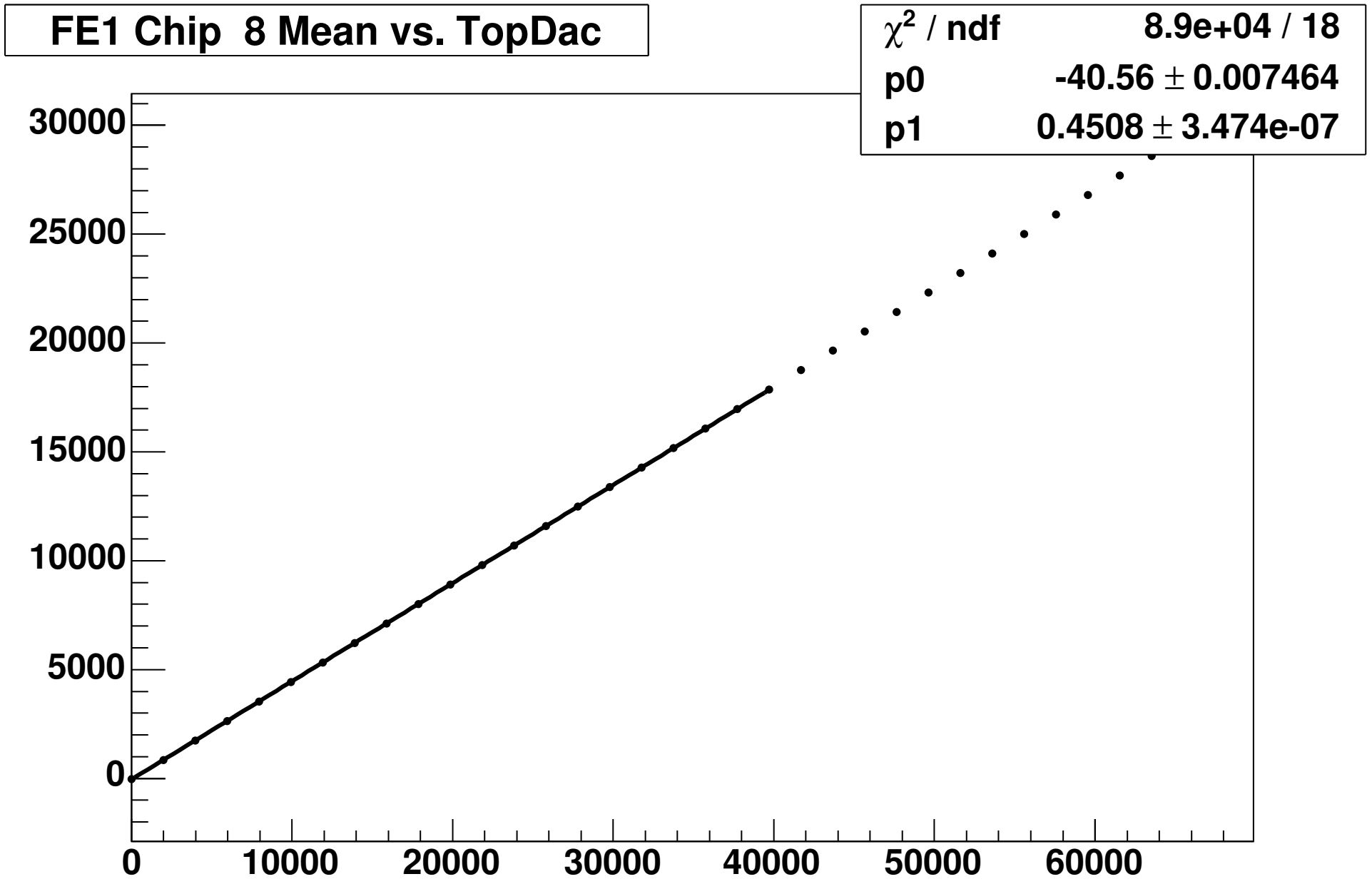
40000
50000
60000

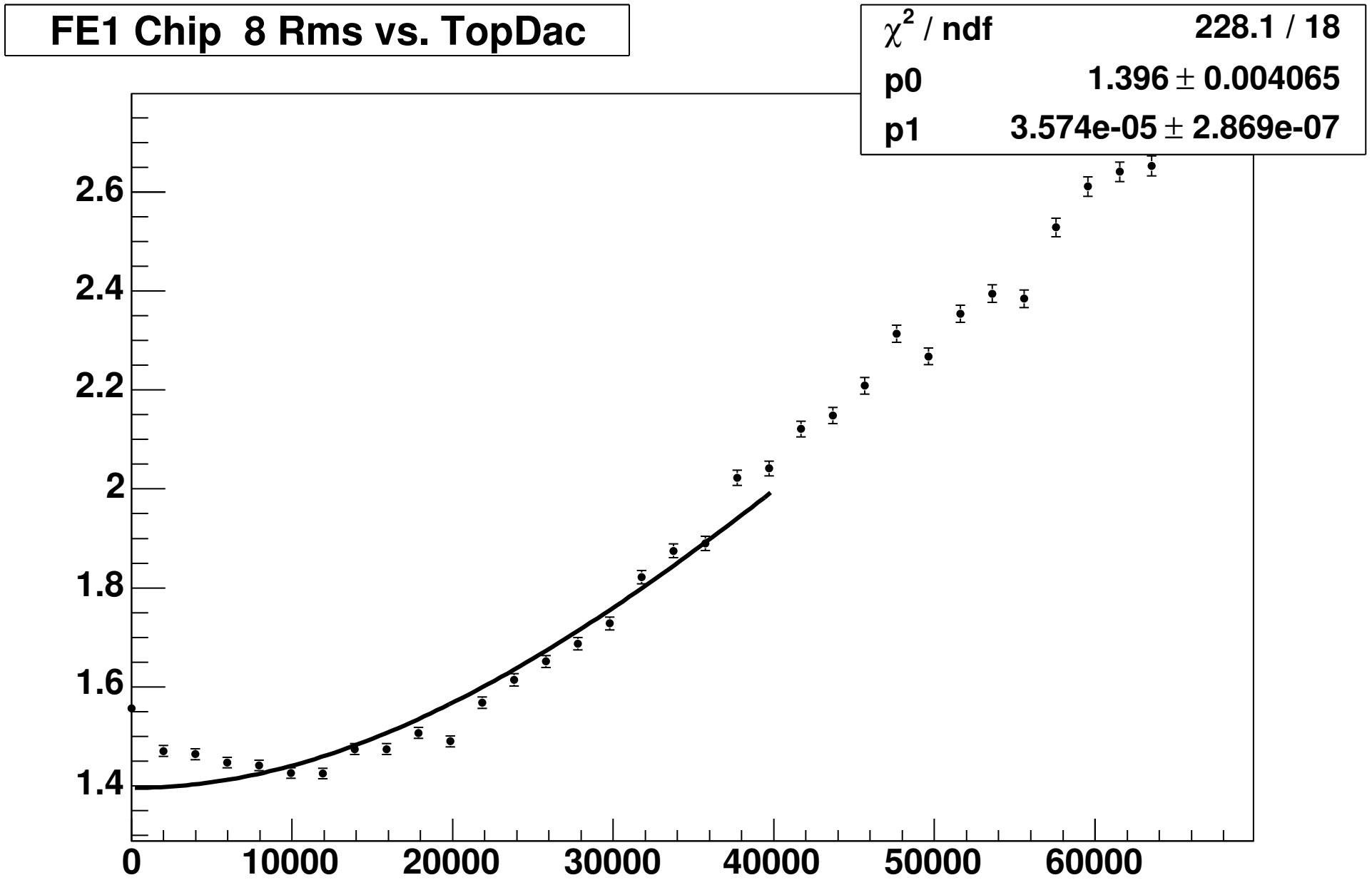

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 5.944e+04 / 18
p0 -50.77 ± 0.00744
p1 0.4511 ± 3.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

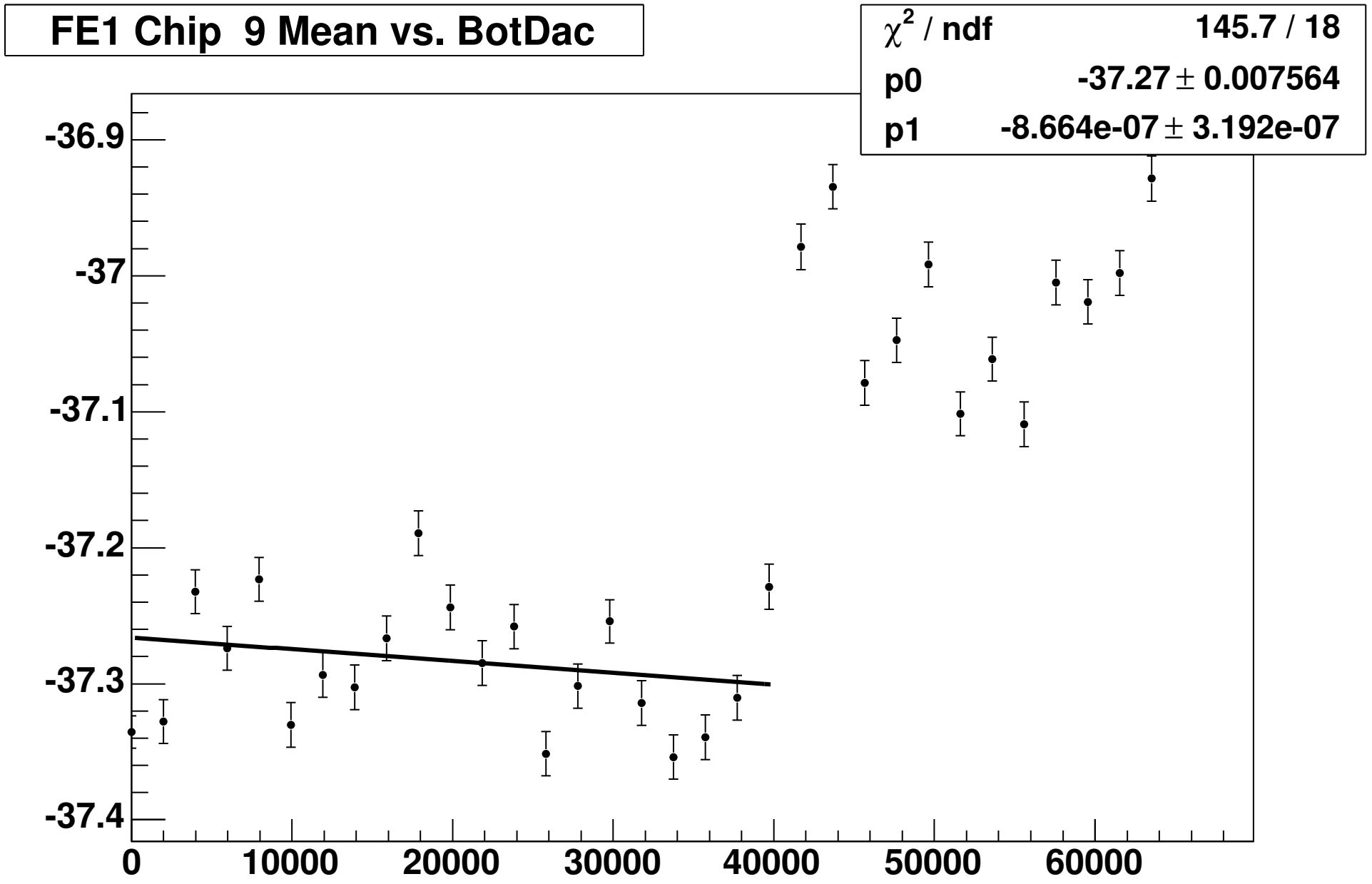

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 479.3 / 18
p0 1.379 ± 0.004031
p1 3.567e-05 ± 2.829e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

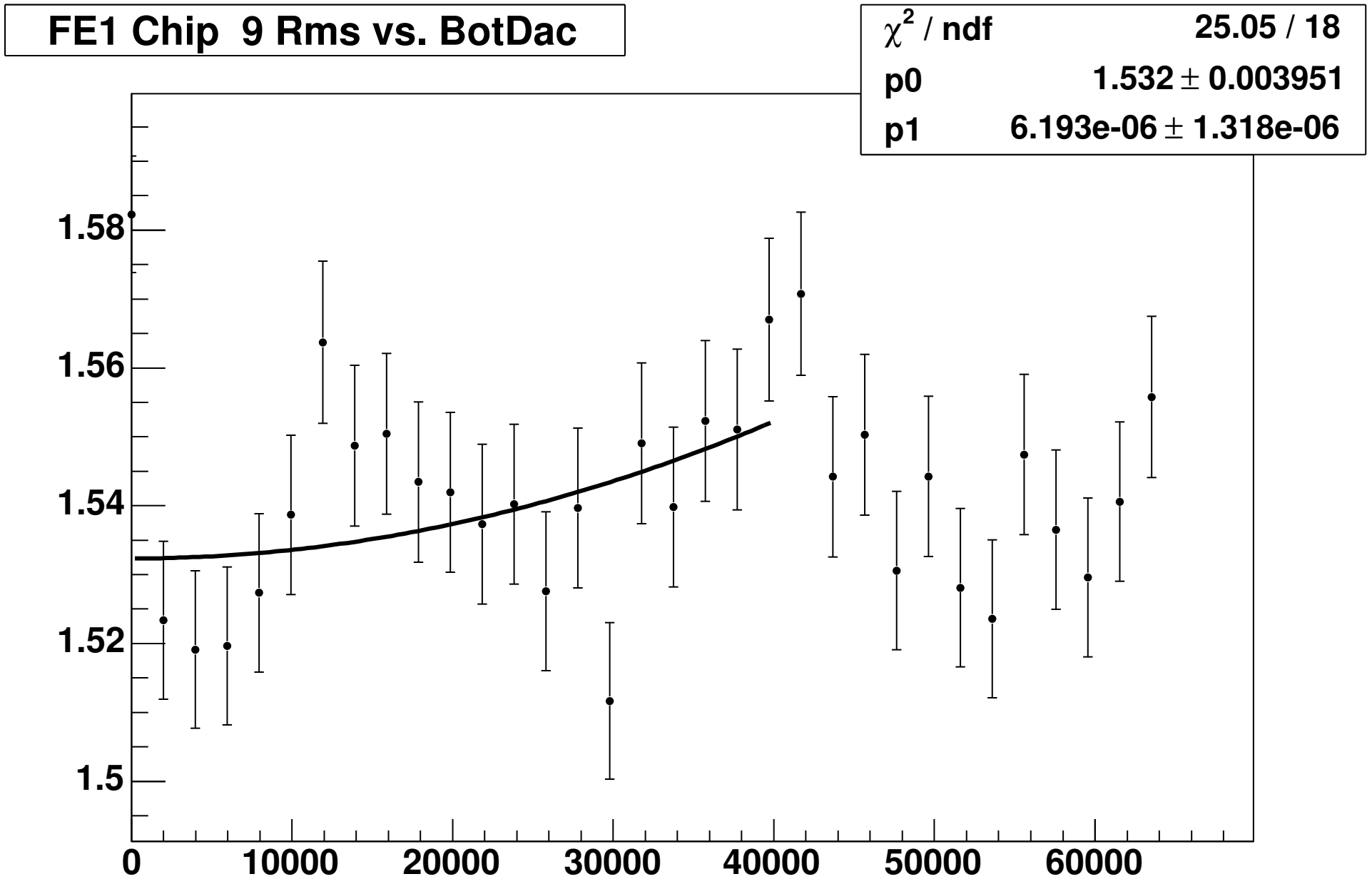

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 143.3 / 18
p0 -40.14 ± 0.007462
p1 -8.274e-07 ± 3.139e-07
-39.8
-39.9
-40
-40.1
-40.2
0
10000
20000
30000
40000
50000
60000

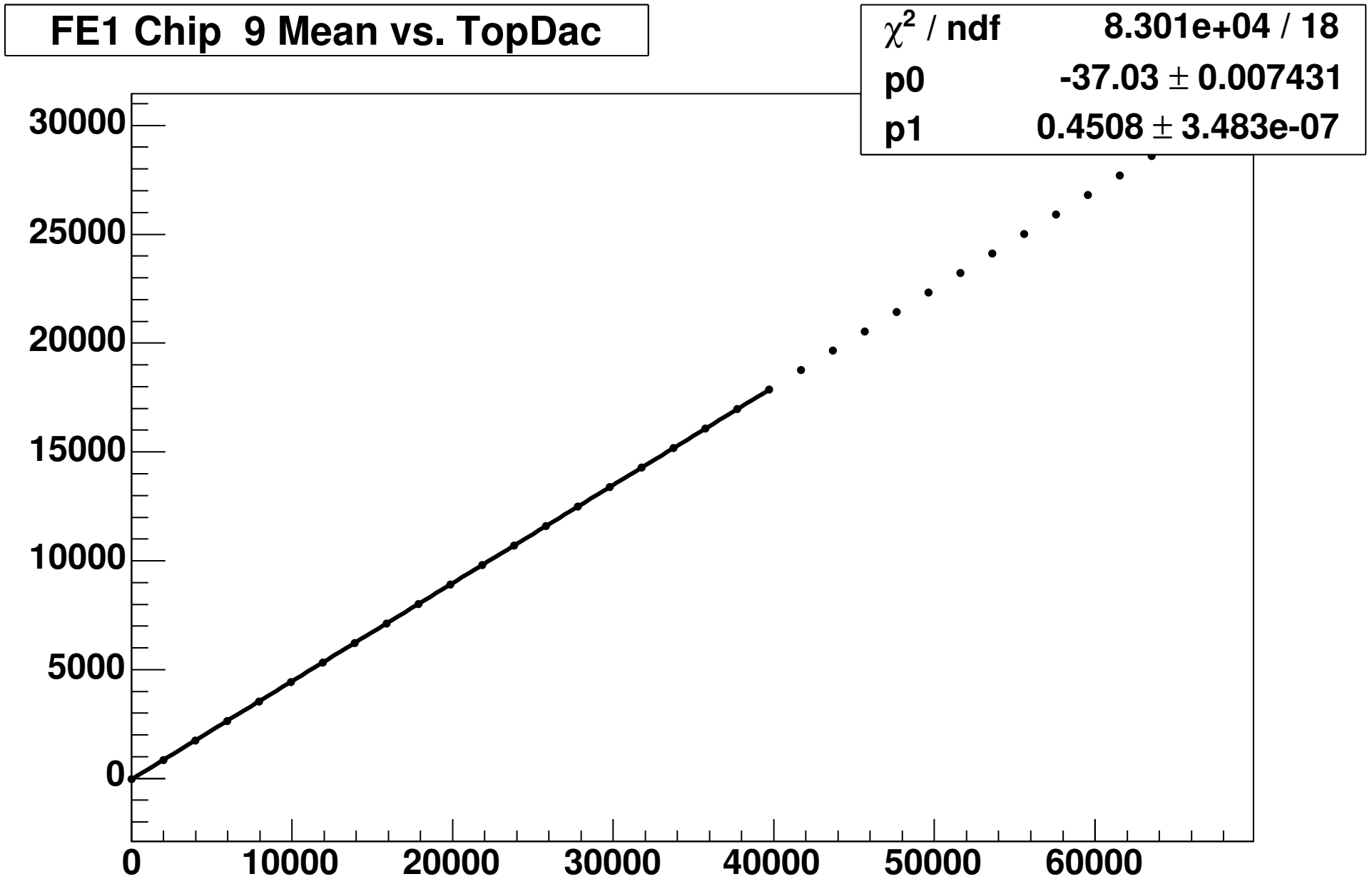

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 25.36 / 18
p0 1.514 ± 0.003888
p1 1.284e-06 ± 6.41e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

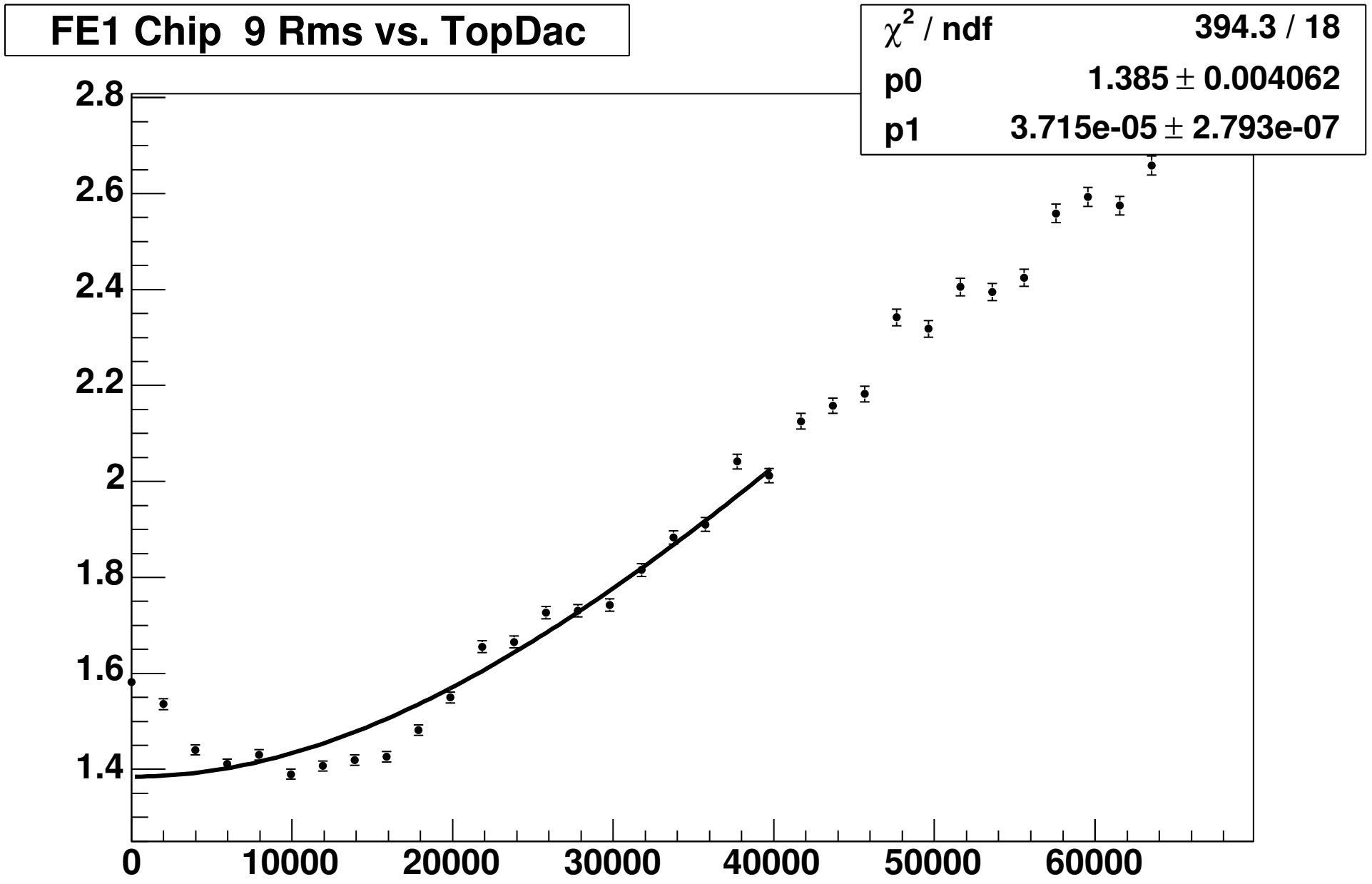

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 8.9e+04 / 18
p0 -40.56 ± 0.007464
p1 0.4508 ± 3.474e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

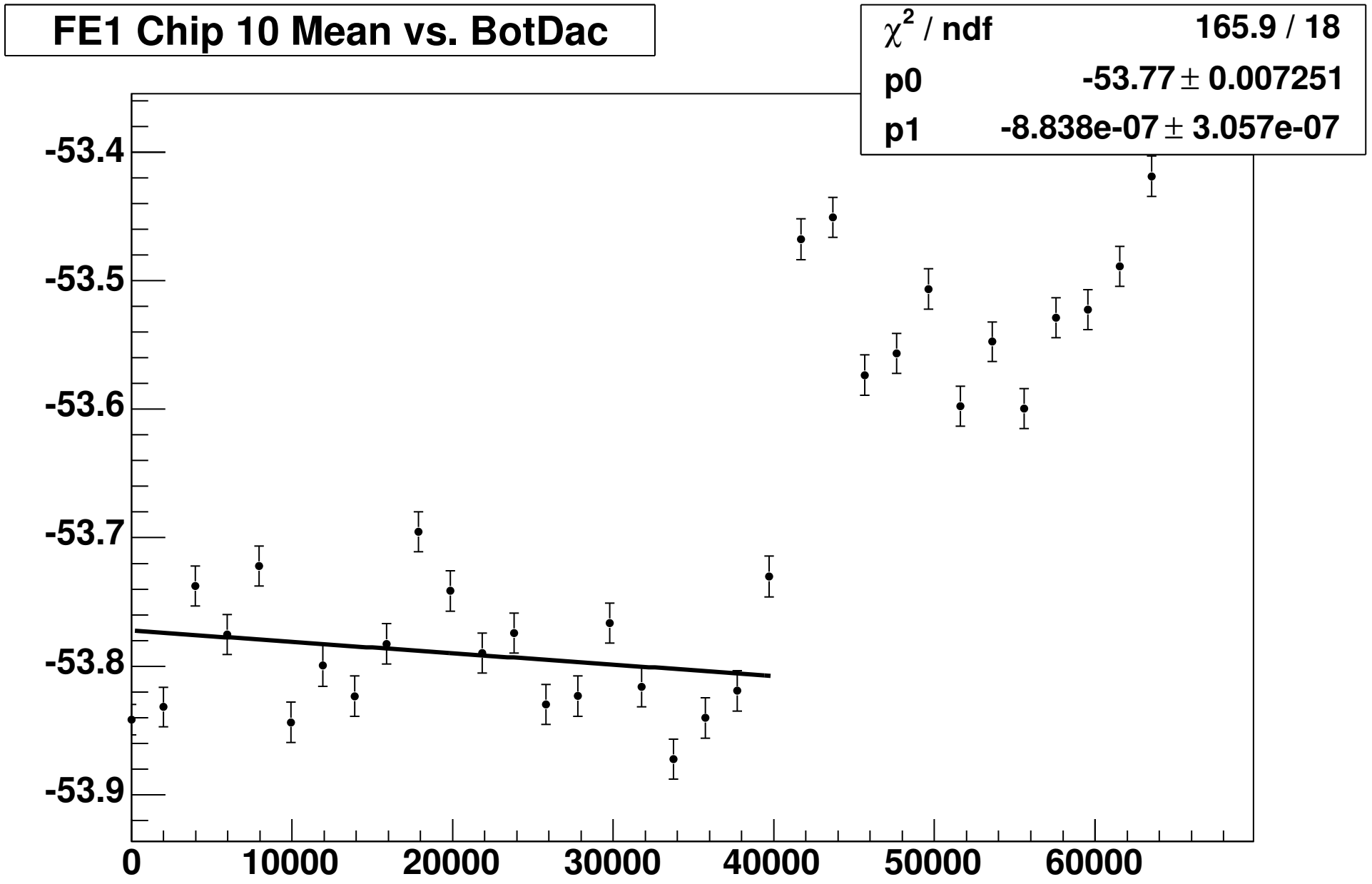

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 228.1 / 18
p0 1.396 ± 0.004065
p1 3.574e-05 ± 2.869e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

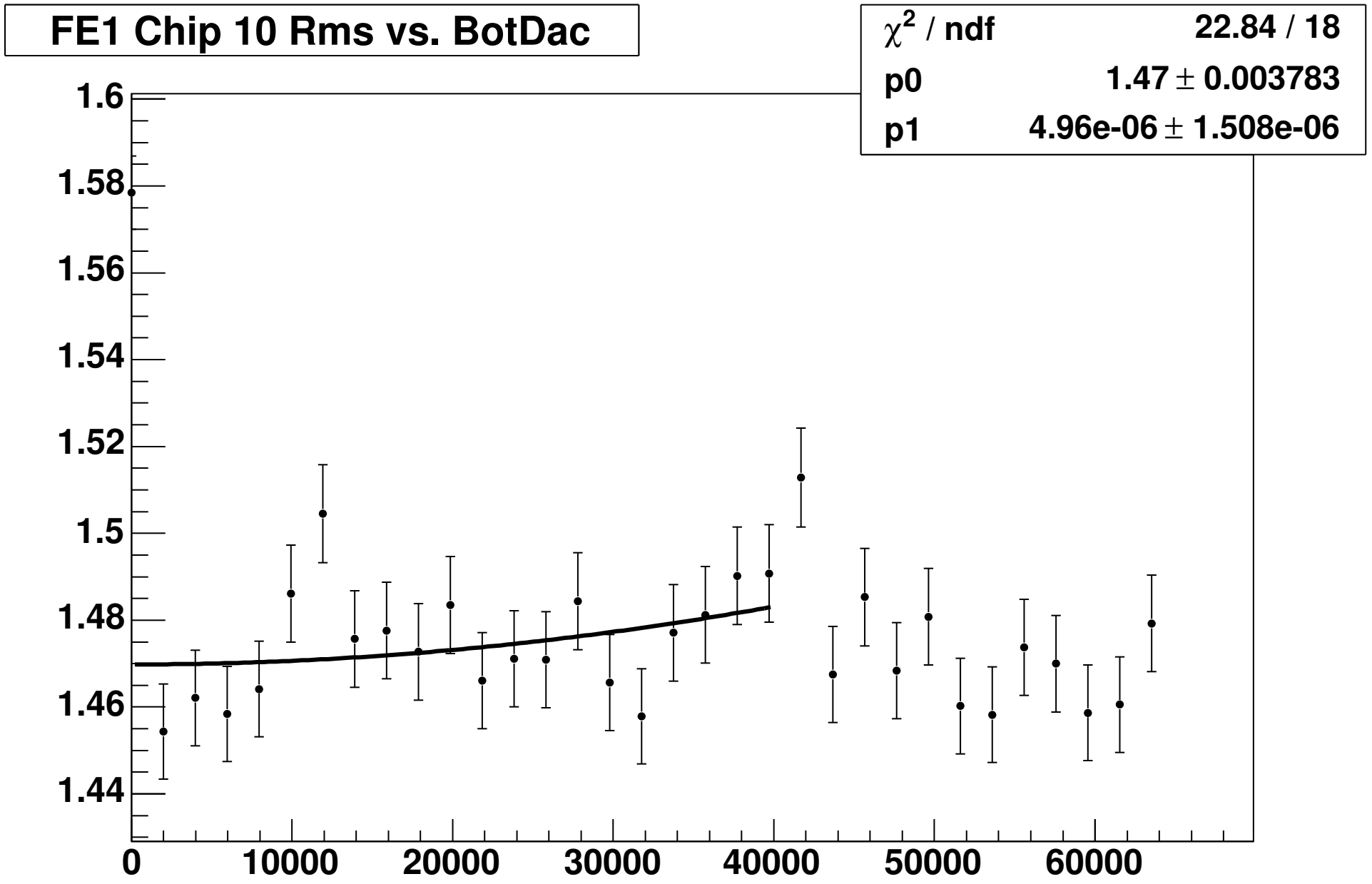

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 145.7 / 18
p0 -37.27 ± 0.007564
p1 -8.664e-07 ± 3.192e-07
-36.9
-37
-37.1
-37.2
-37.3
-37.4
0
10000
20000
30000
40000
50000
60000

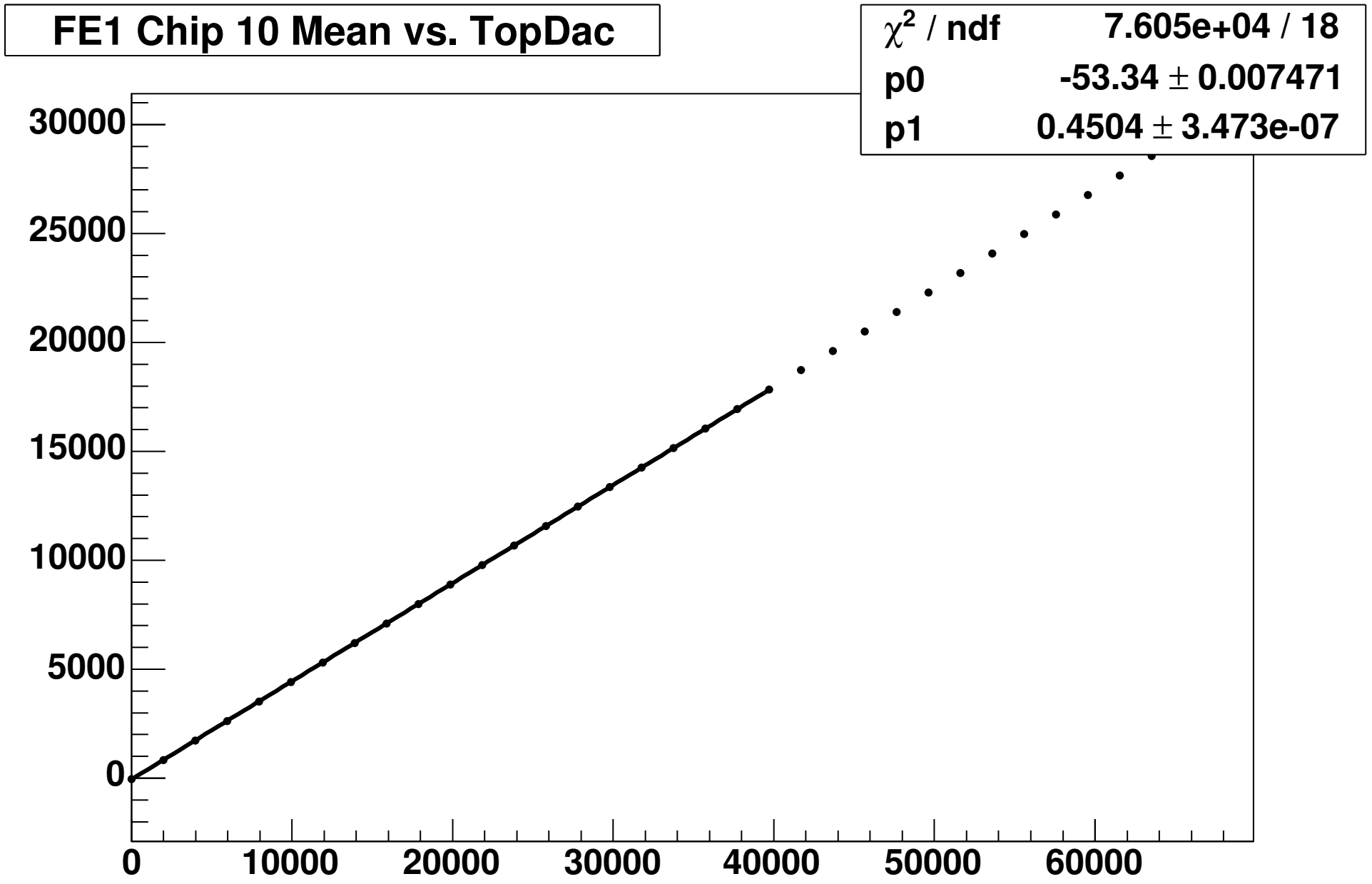

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 25.05 / 18
p0 1.532 ± 0.003951
p1 6.193e-06 ± 1.318e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

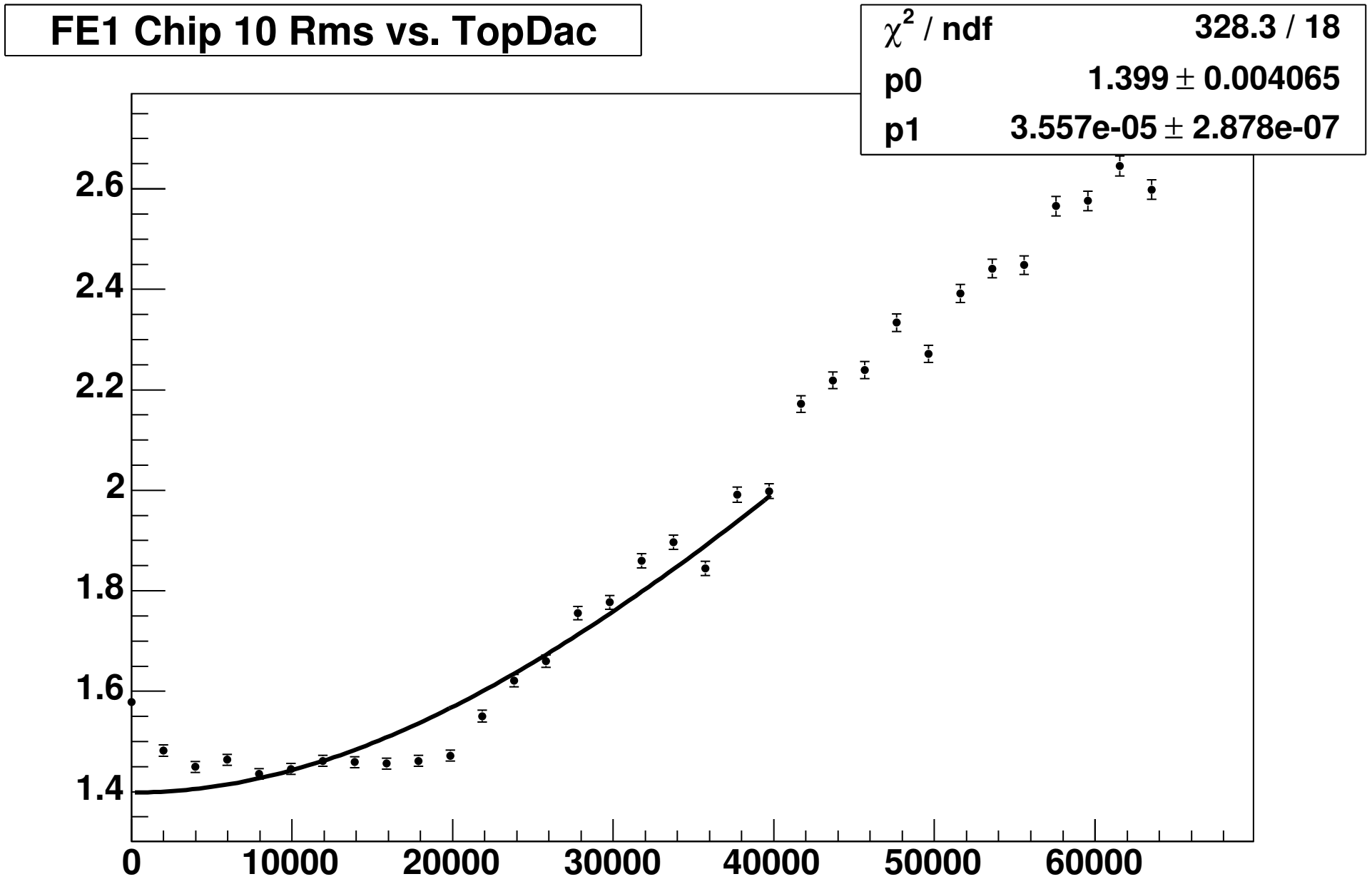

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 8.301e+04 / 18
p0 -37.03 ± 0.007431
p1 0.4508 ± 3.483e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

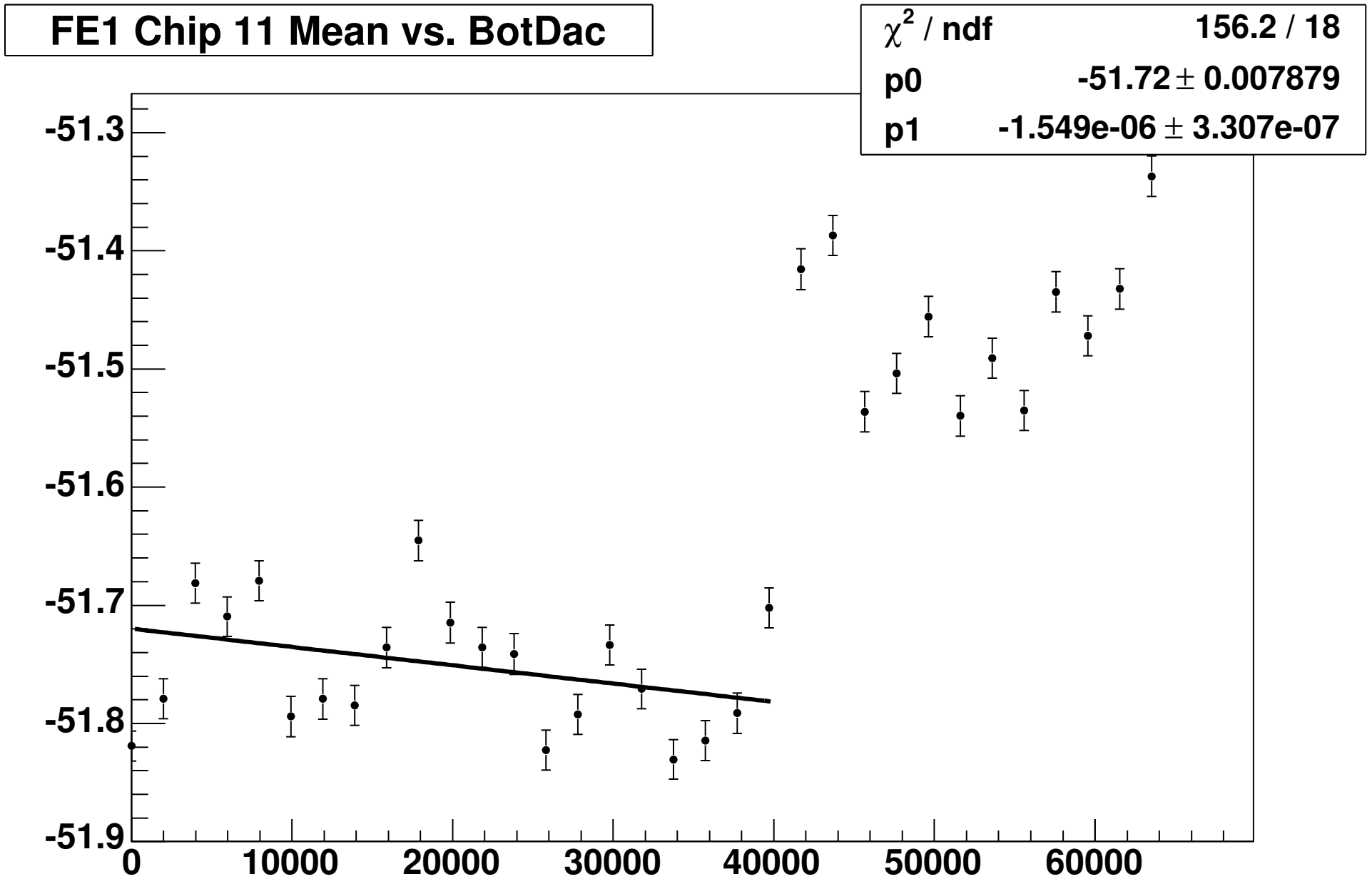

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 394.3 / 18
p0 1.385 ± 0.004062
p1 3.715e-05 ± 2.793e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

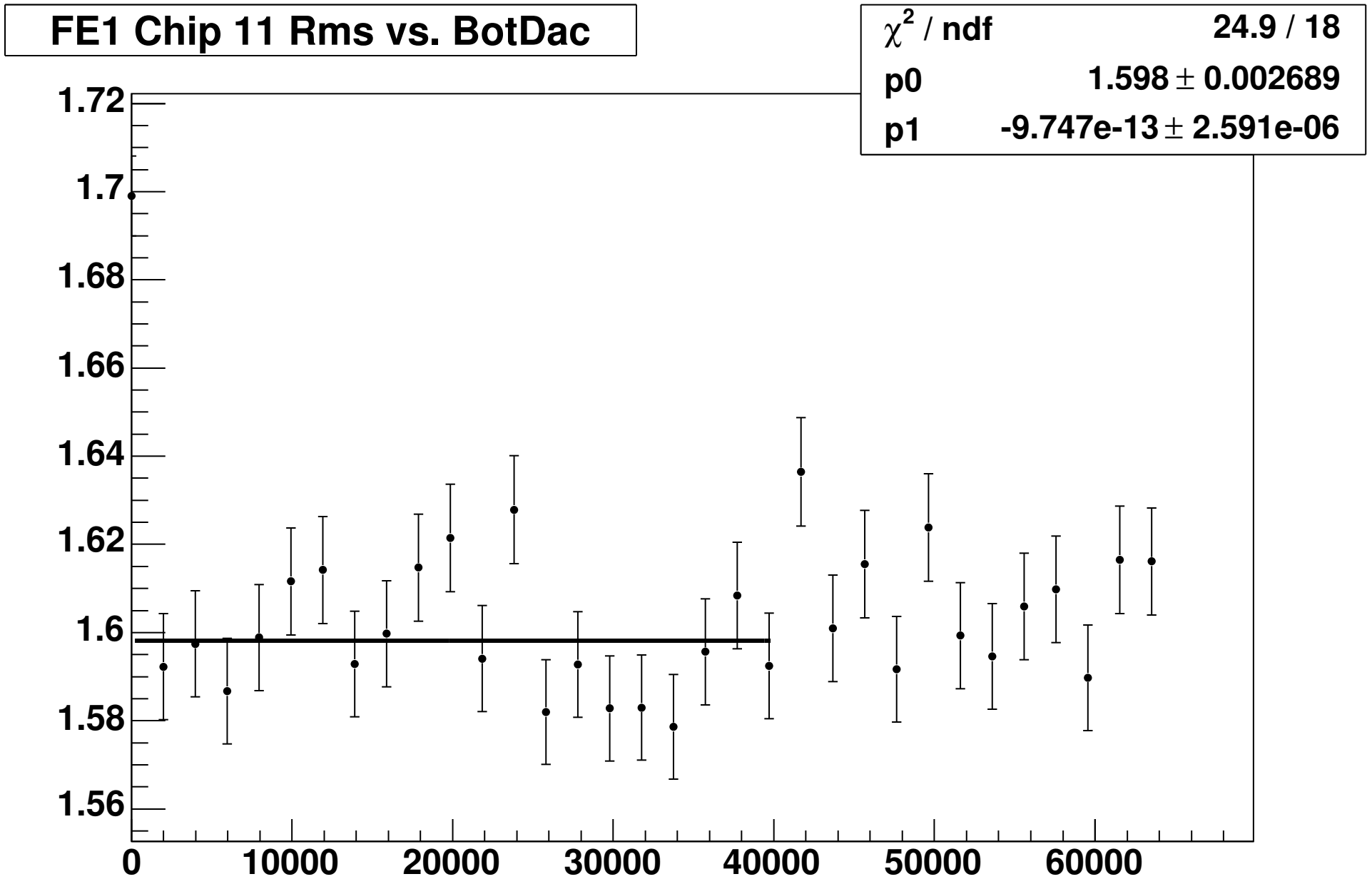

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 165.9 / 18
p0 -53.77 ± 0.007251
p1 -8.838e-07 ± 3.057e-07
-53.4
-53.5
-53.6
-53.7
-53.8
-53.9
0
10000
20000
30000
40000
50000
60000

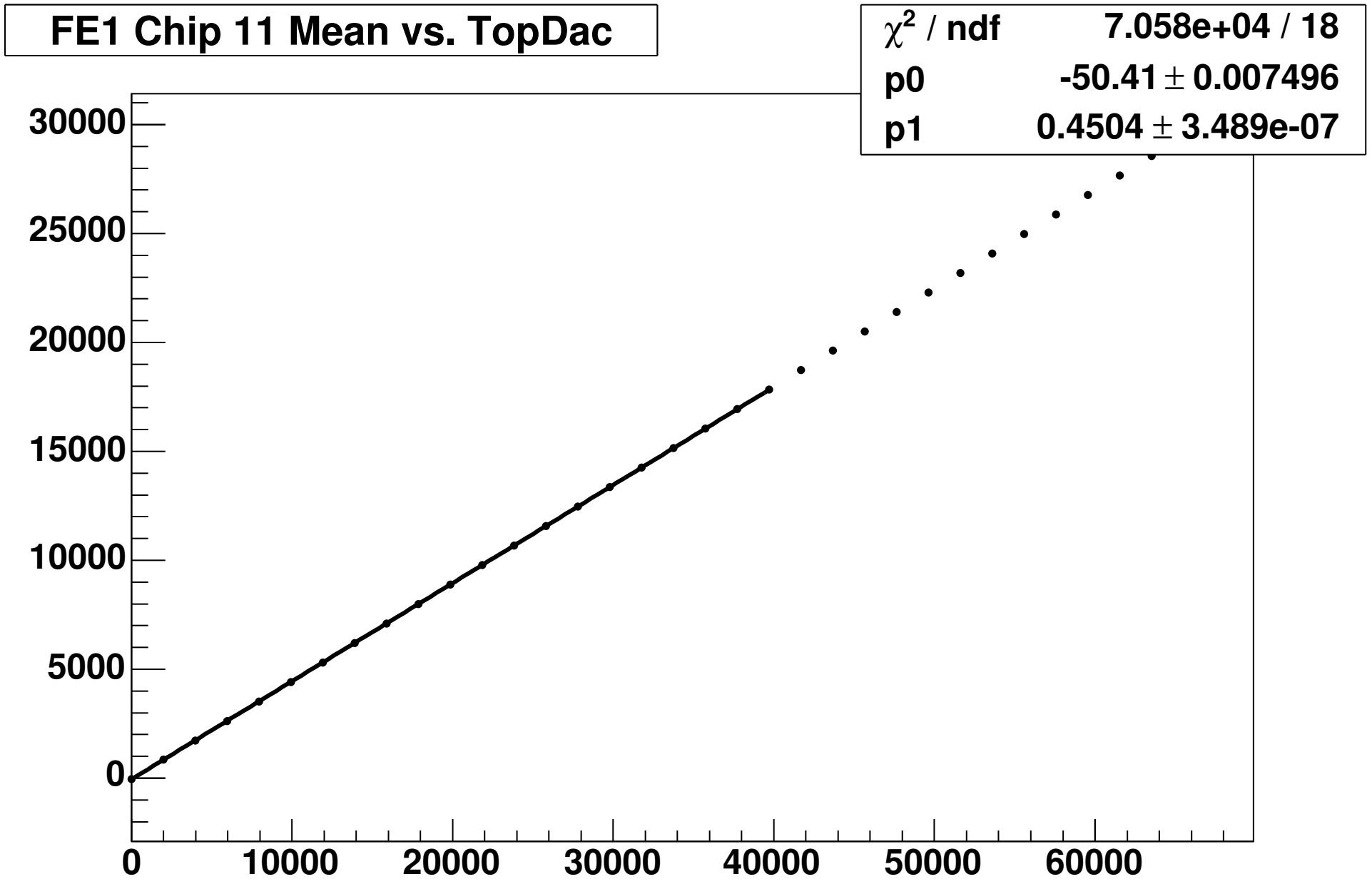

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 22.84 / 18
p0 1.47 ± 0.003783
p1 4.96e-06 ± 1.508e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

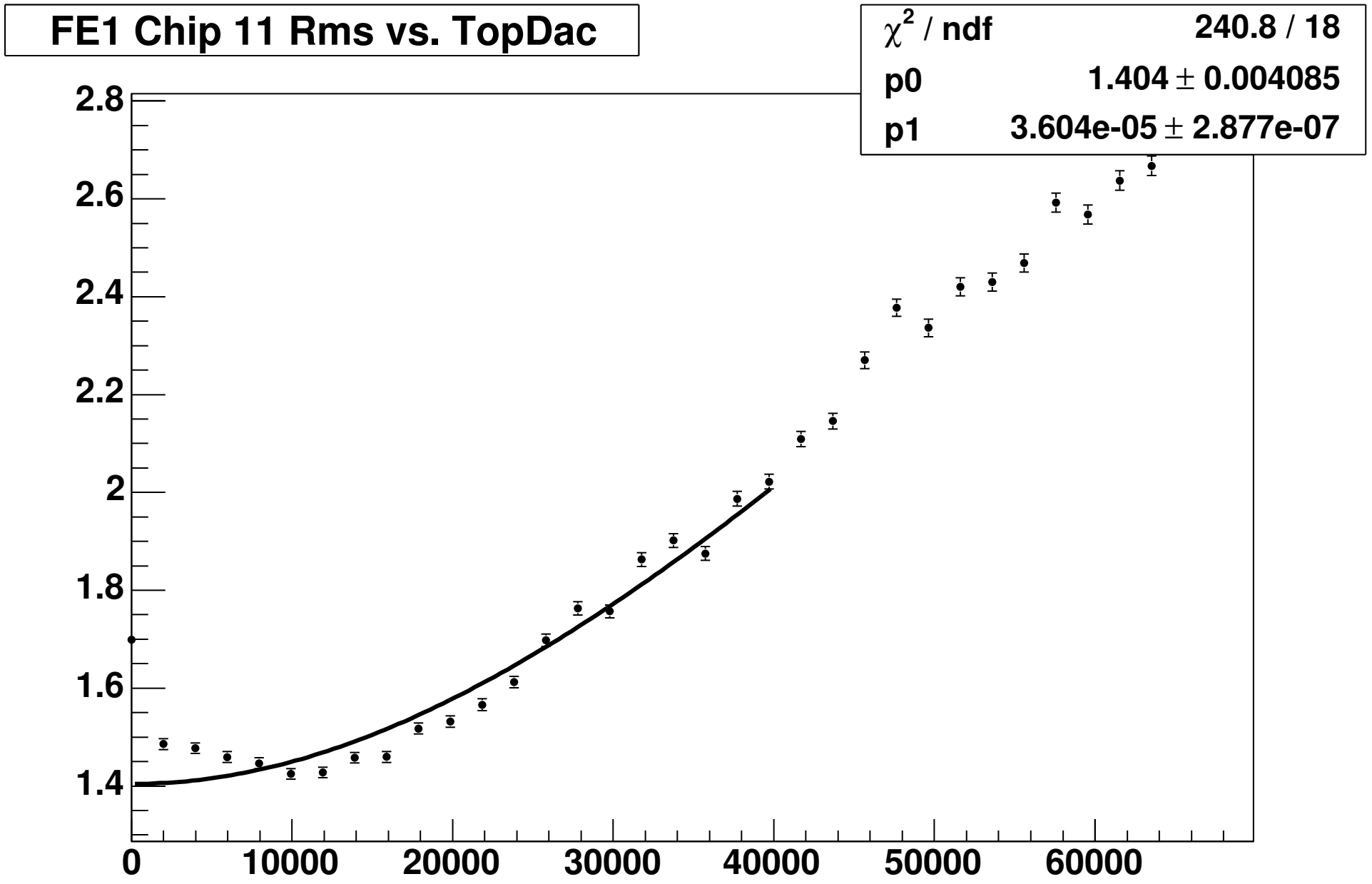

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 7.605e+04 / 18
p0 -53.34 ± 0.007471
p1 0.4504 ± 3.473e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

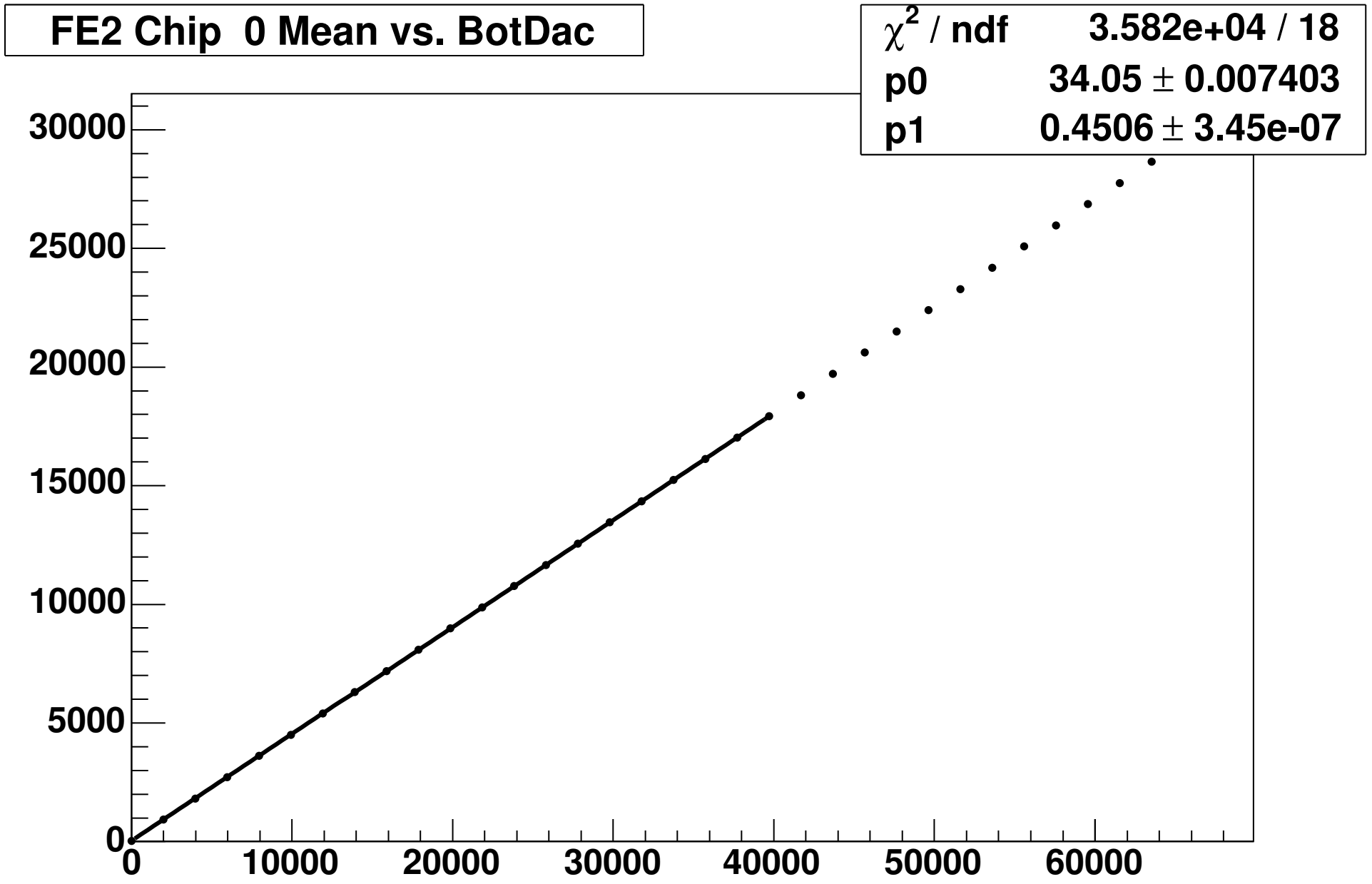

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 328.3 / 18
p0 1.399 ± 0.004065
p1 3.557e-05 ± 2.878e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

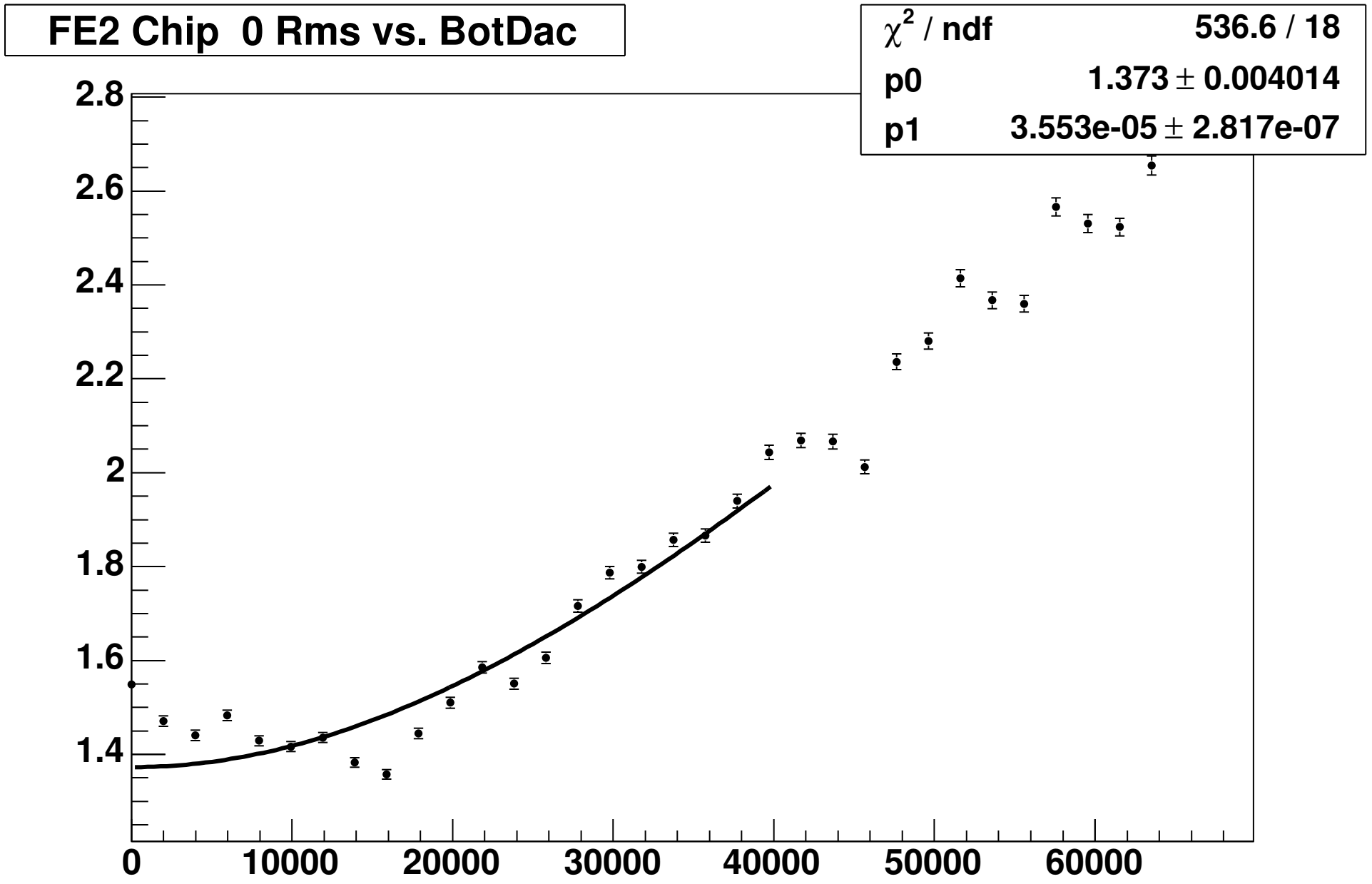

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 156.2 / 18
p0 -51.72 ± 0.007879
p1 -1.549e-06 ± 3.307e-07
-51.3
-51.4
-51.5
-51.6
-51.7
-51.8
-51.9
0
10000
20000
30000
40000
50000
60000

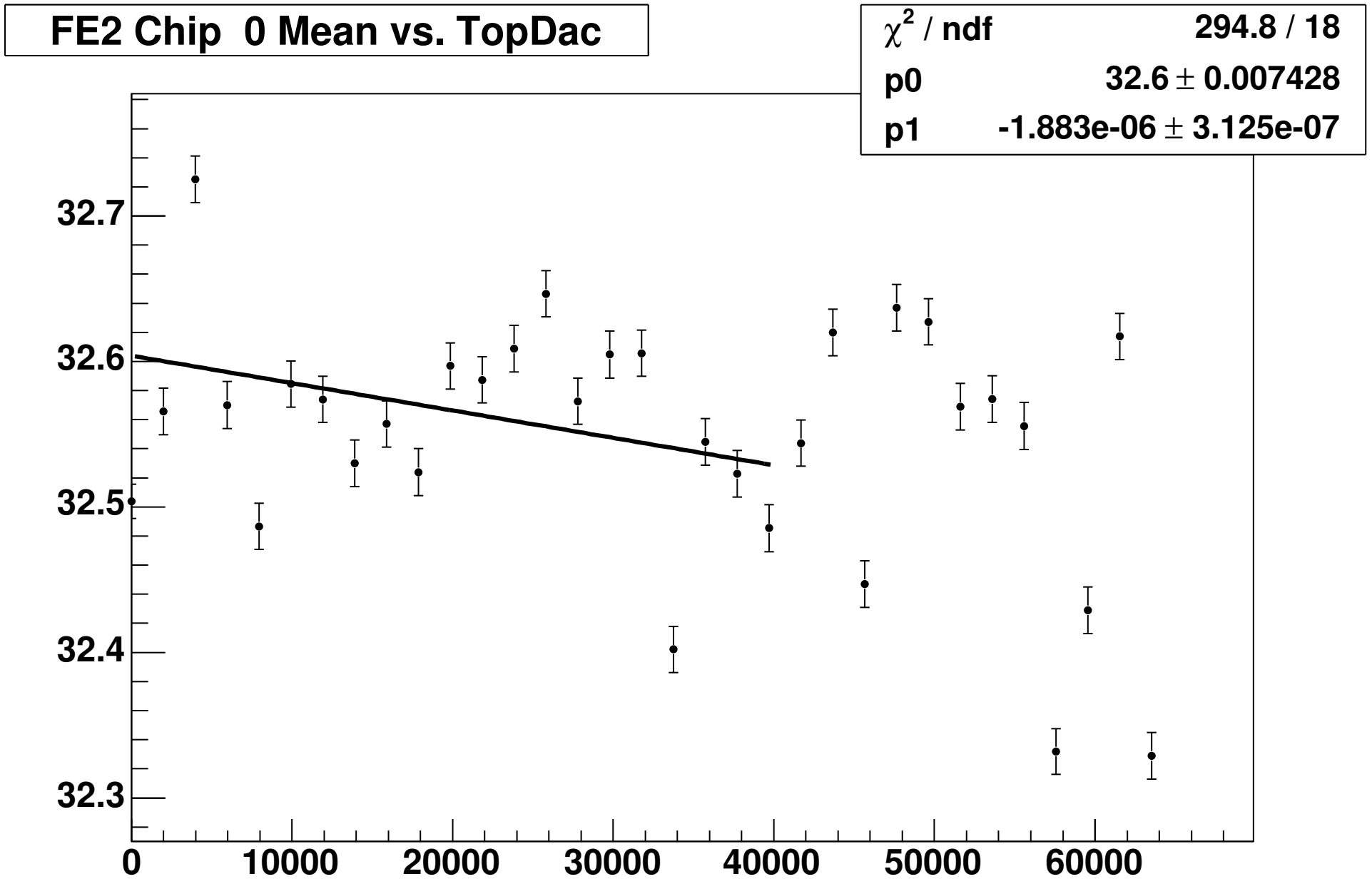

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 24.9 / 18
p0 1.598 ± 0.002689
p1 -9.747e-13 ± 2.591e-06
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000

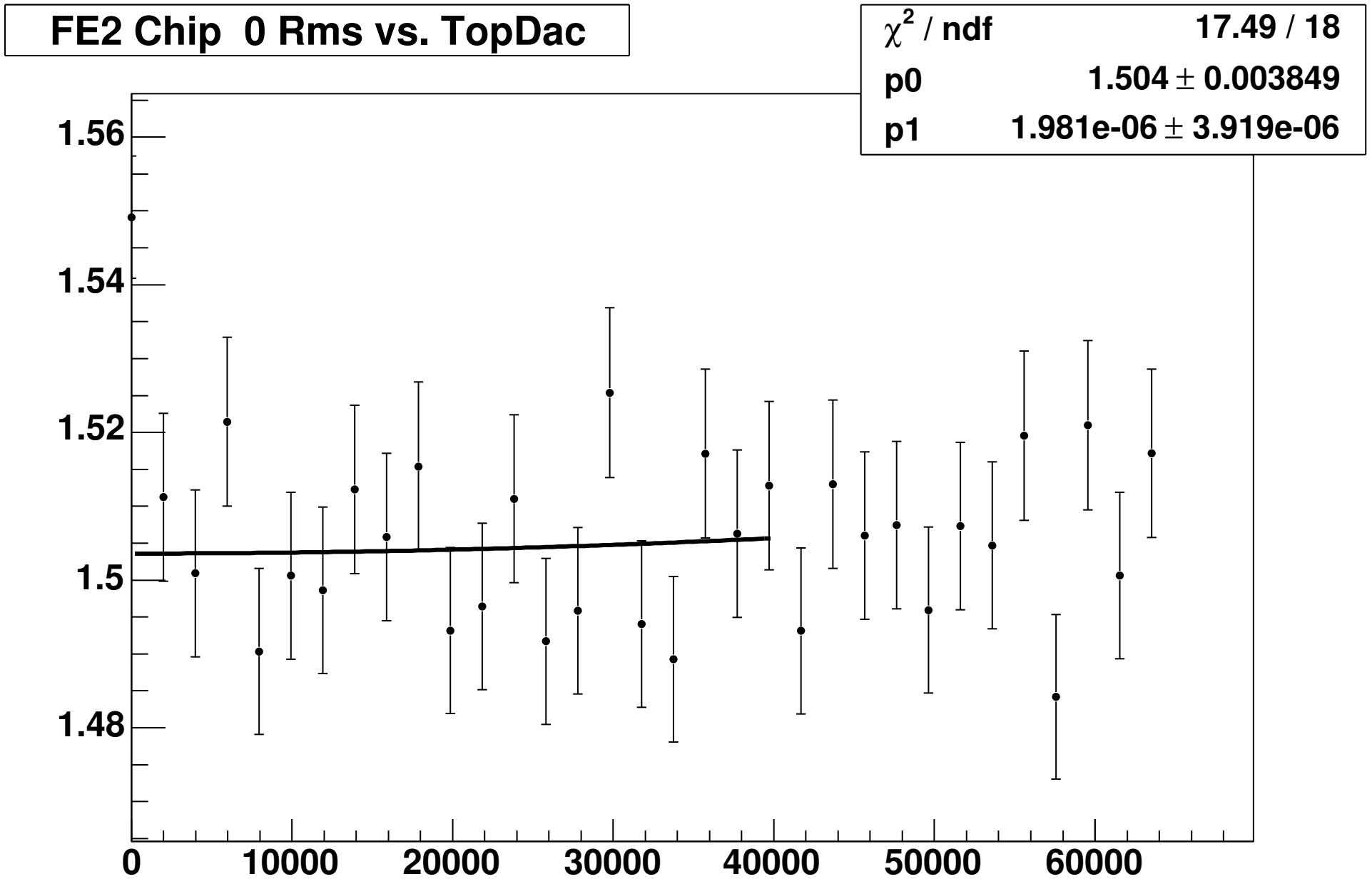

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 7.058e+04 / 18
p0 -50.41 ± 0.007496
p1 0.4504 ± 3.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 240.8 / 18
p0 1.404 ± 0.004085
p1 3.604e-05 ± 2.877e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 3.582e+04 / 18
p0 34.05 ± 0.007403
p1 0.4506 ± 3.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 536.6 / 18
p0 1.373 ± 0.004014
p1 3.553e-05 ± 2.817e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 294.8 / 18
p0 32.6 ± 0.007428
p1 -1.883e-06 ± 3.125e-07
32.7
32.6
32.5
32.4
32.3
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 17.49 / 18
p0 1.504 ± 0.003849
p1 1.981e-06 ± 3.919e-06
1.56
1.54
1.52
1.5
1.48
0
10000
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30000
40000
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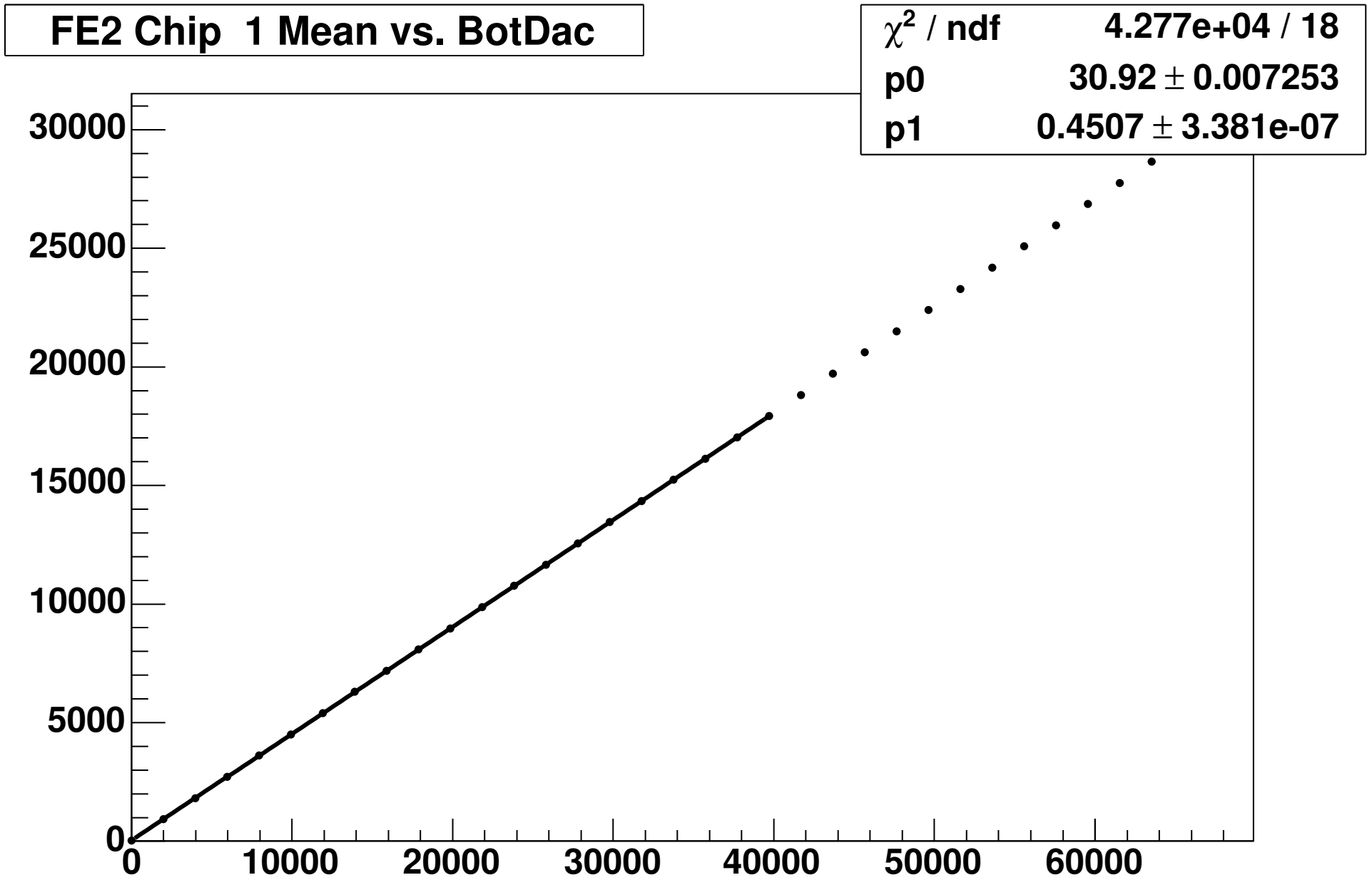
60000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 4.277e+04 / 18
p0 30.92 ± 0.007253
p1 0.4507 ± 3.381e-07
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25000
20000
15000
10000
5000
0
0
10000
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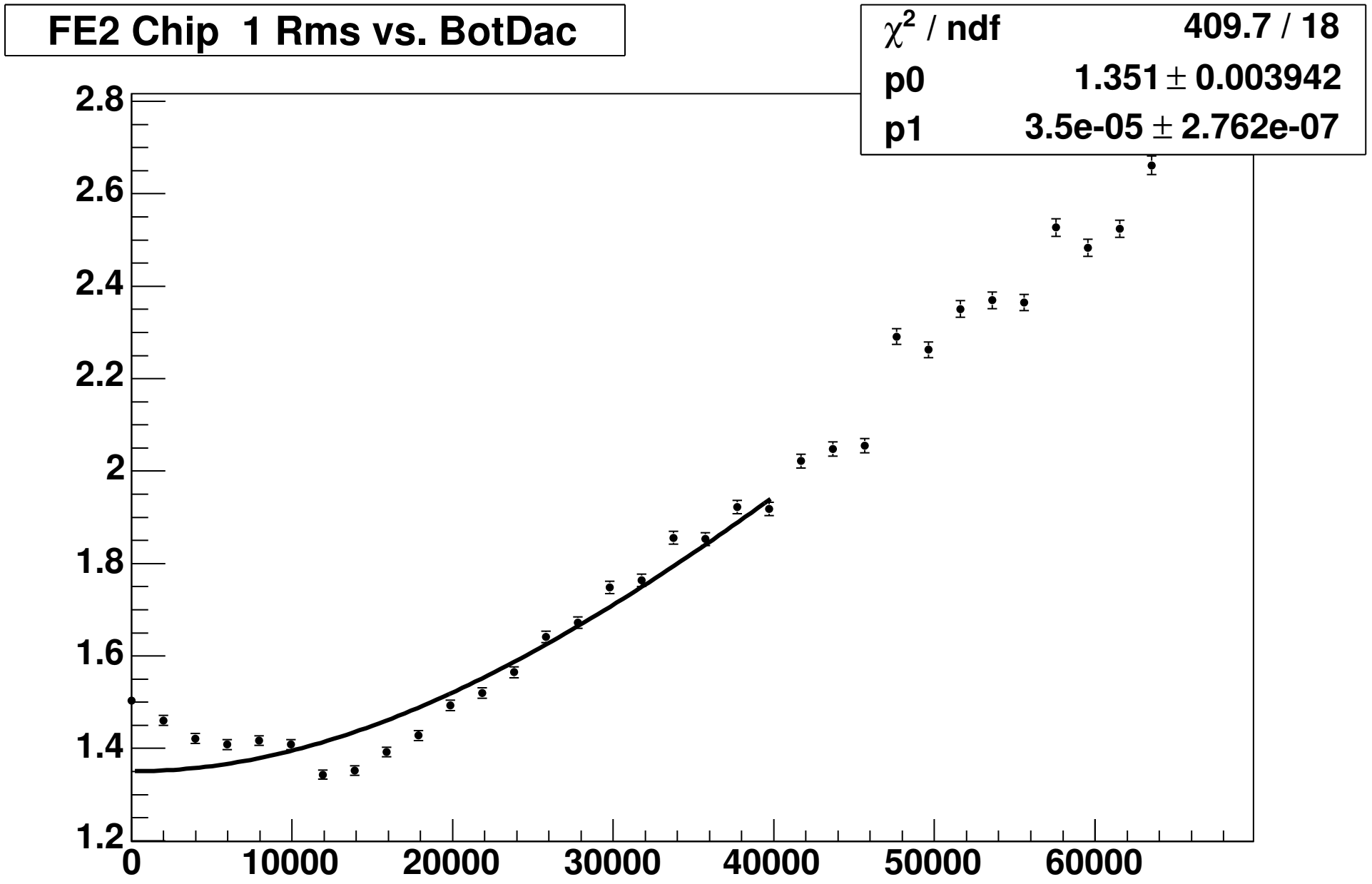
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 409.7 / 18
p0 1.351 ± 0.003942
p1 3.5e-05 ± 2.762e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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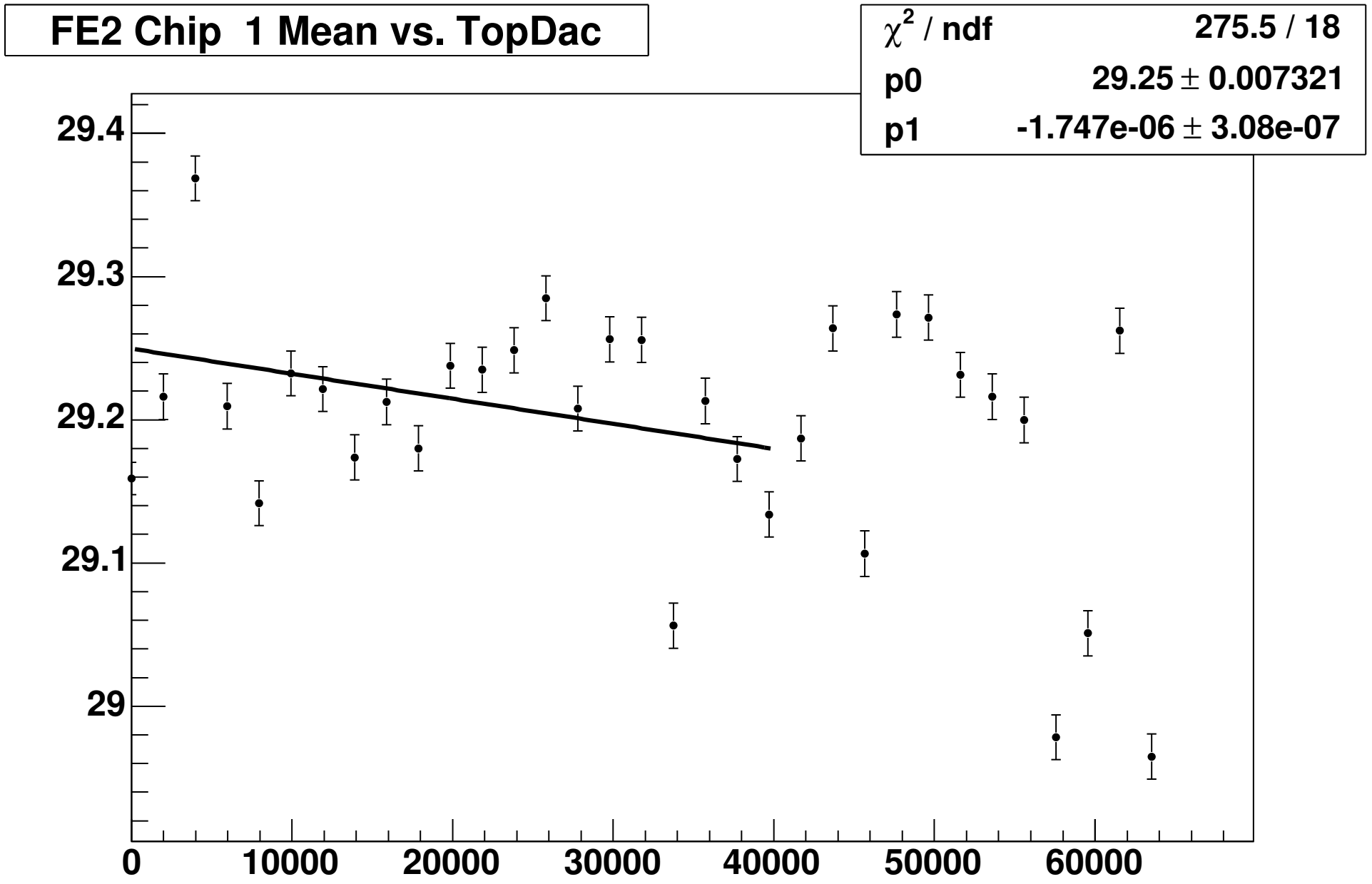
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 275.5 / 18
p0 29.25 ± 0.007321
p1 -1.747e-06 ± 3.08e-07
29.4
29.3
29.2
29.1
29
0
10000
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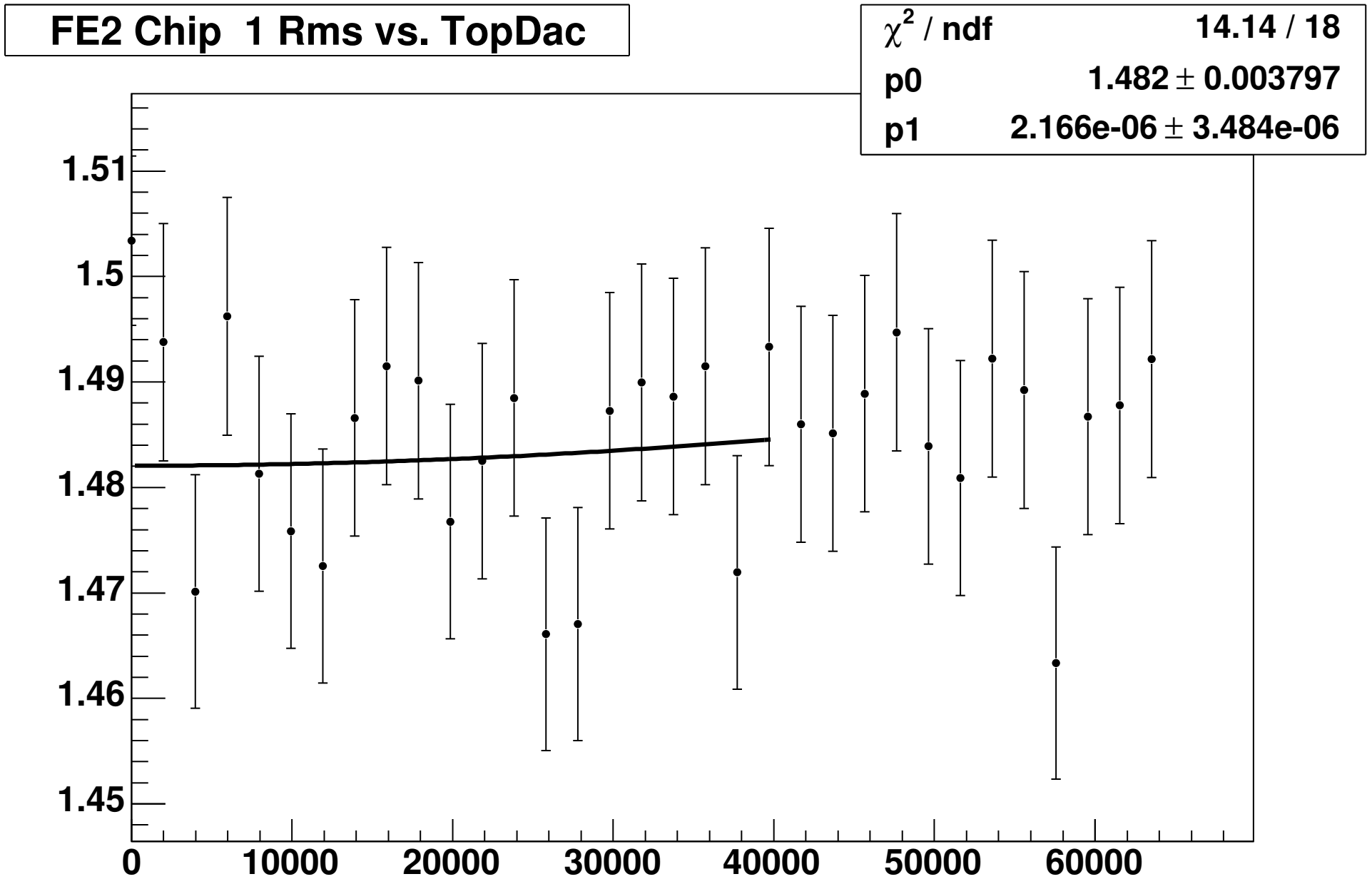
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 14.14 / 18
p0 1.482 ± 0.003797
p1 2.166e-06 ± 3.484e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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50000
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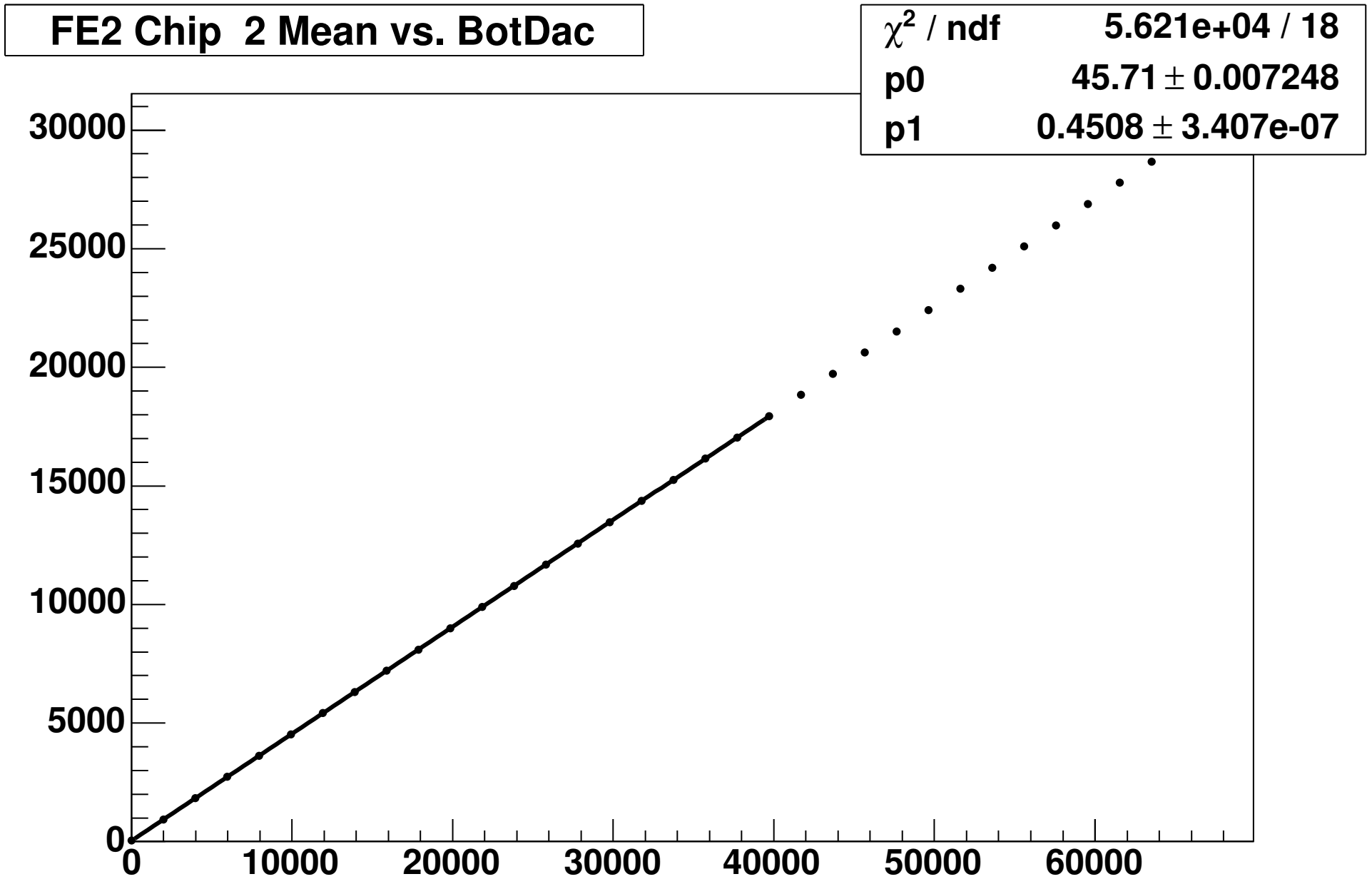
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 5.621e+04 / 18
p0 45.71 ± 0.007248
p1 0.4508 ± 3.407e-07
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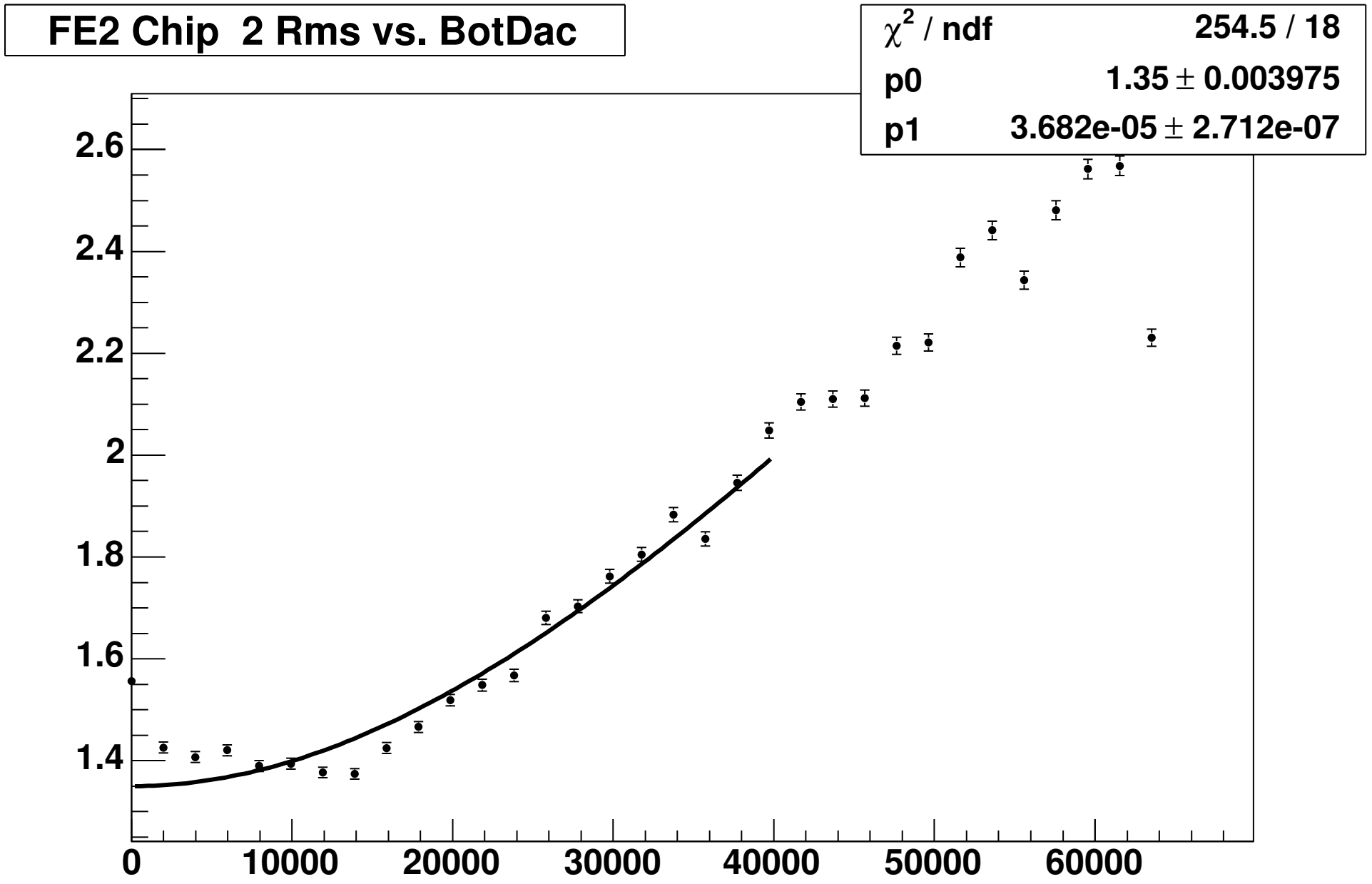
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 254.5 / 18
p0 1.35 ± 0.003975
p1 3.682e-05 ± 2.712e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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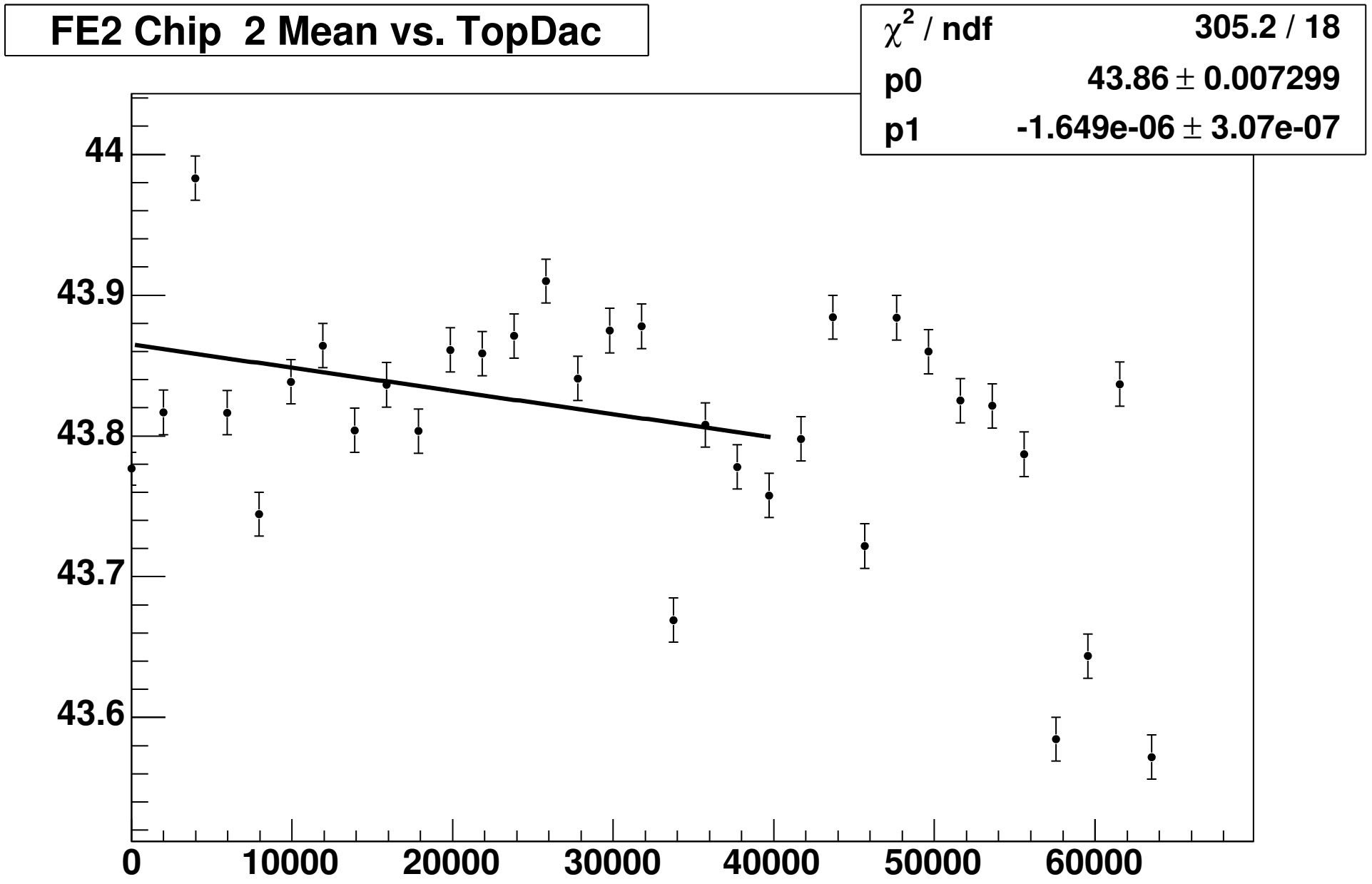
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 305.2 / 18
p0 43.86 ± 0.007299
p1 -1.649e-06 ± 3.07e-07
44
43.9
43.8
43.7
43.6
0
10000
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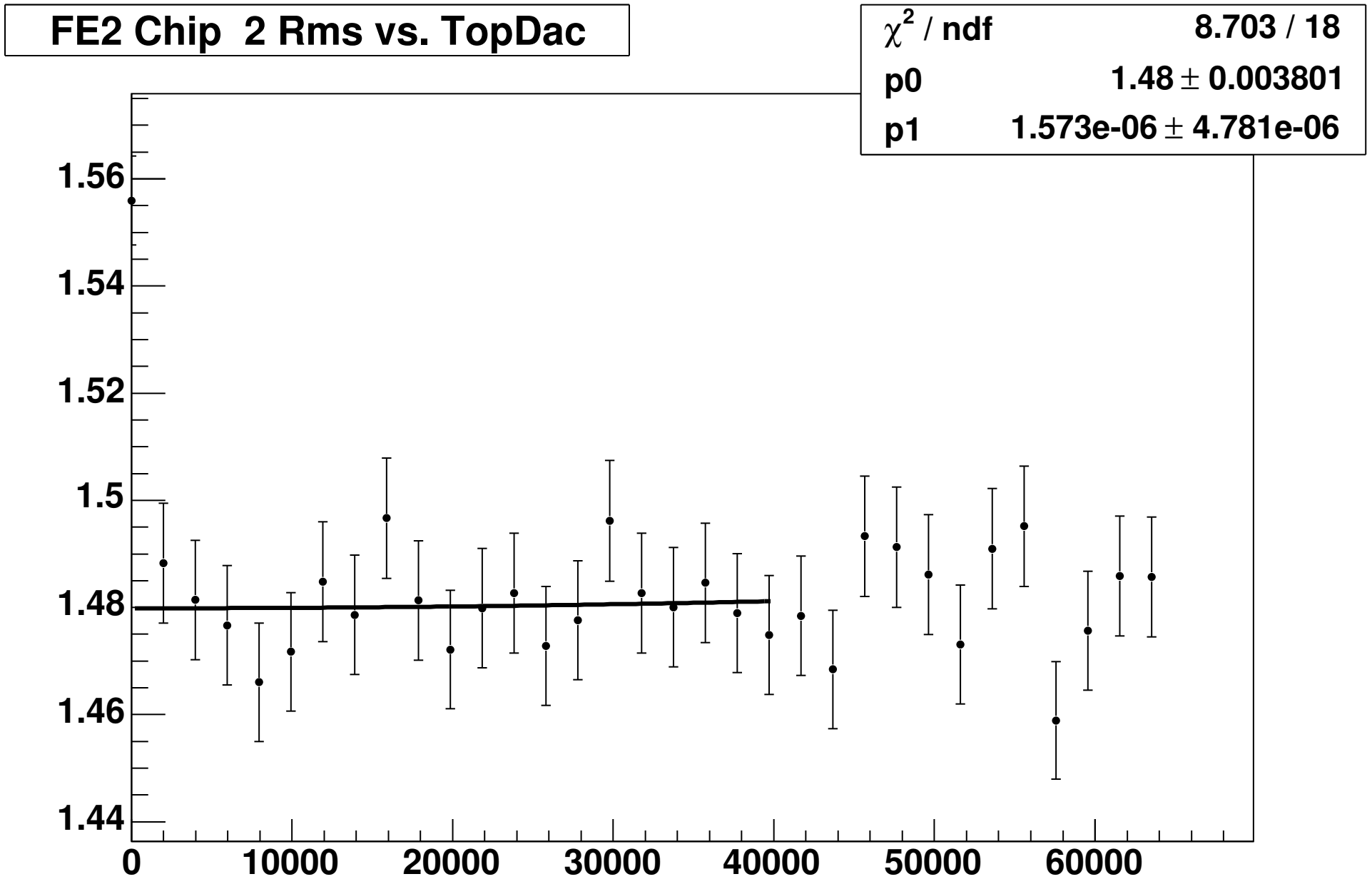
60000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 8.703 / 18
p0 1.48 ± 0.003801
p1 1.573e-06 ± 4.781e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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50000
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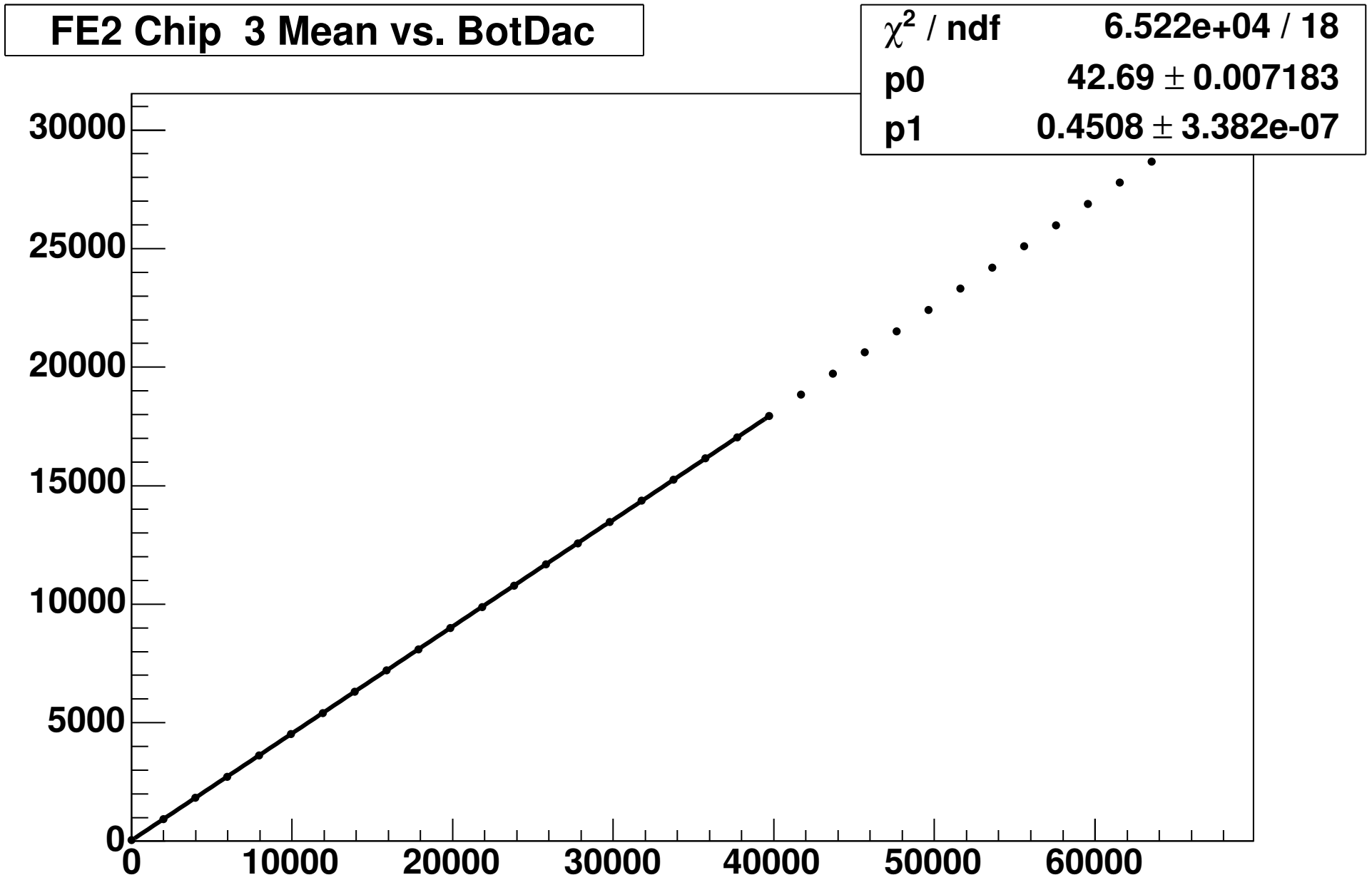
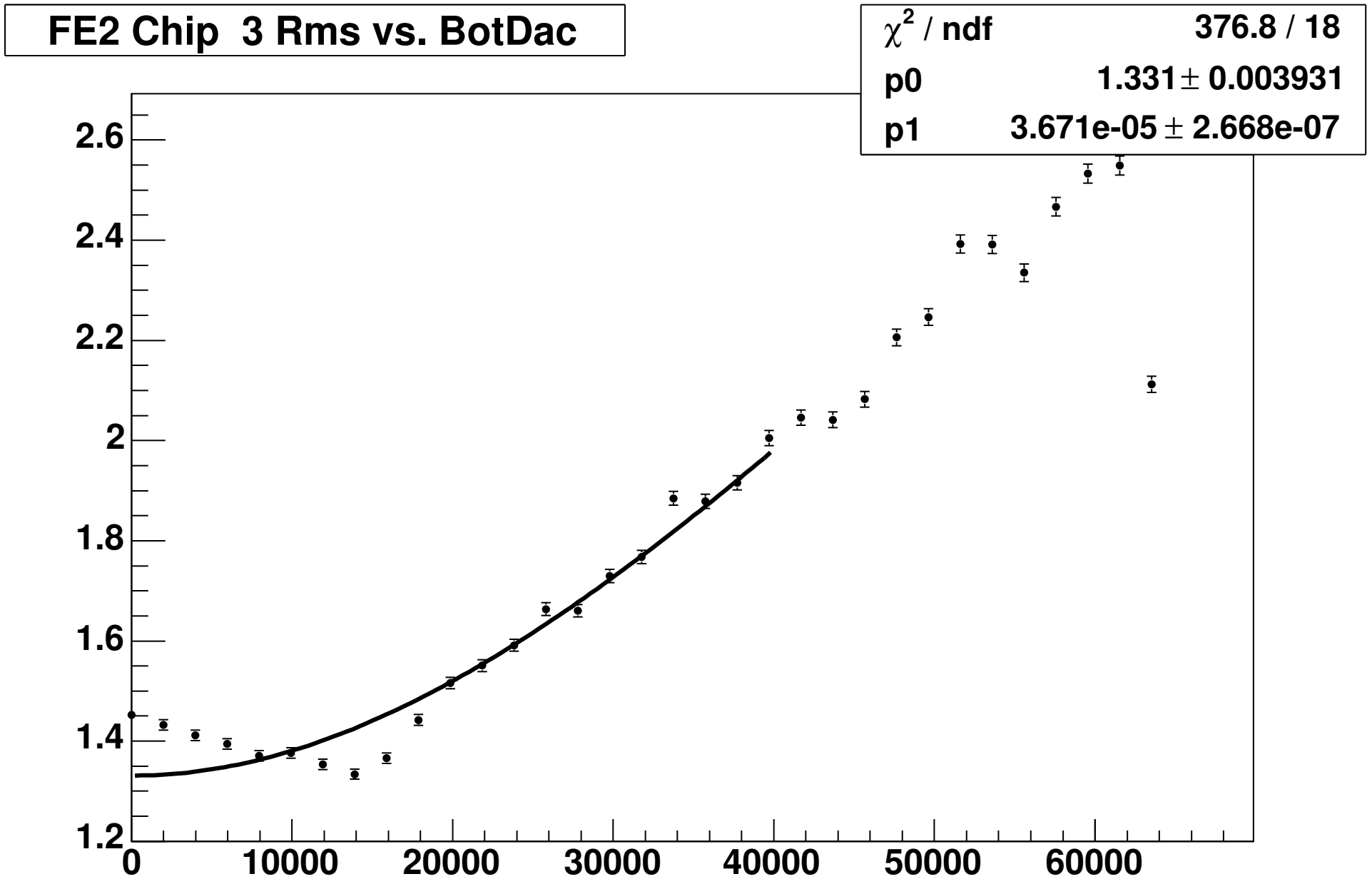

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 6.522e+04 / 18
p0 42.69 ± 0.007183
p1 0.4508 ± 3.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 376.8 / 18
p0 1.331 ± 0.003931
p1 3.671e-05 ± 2.668e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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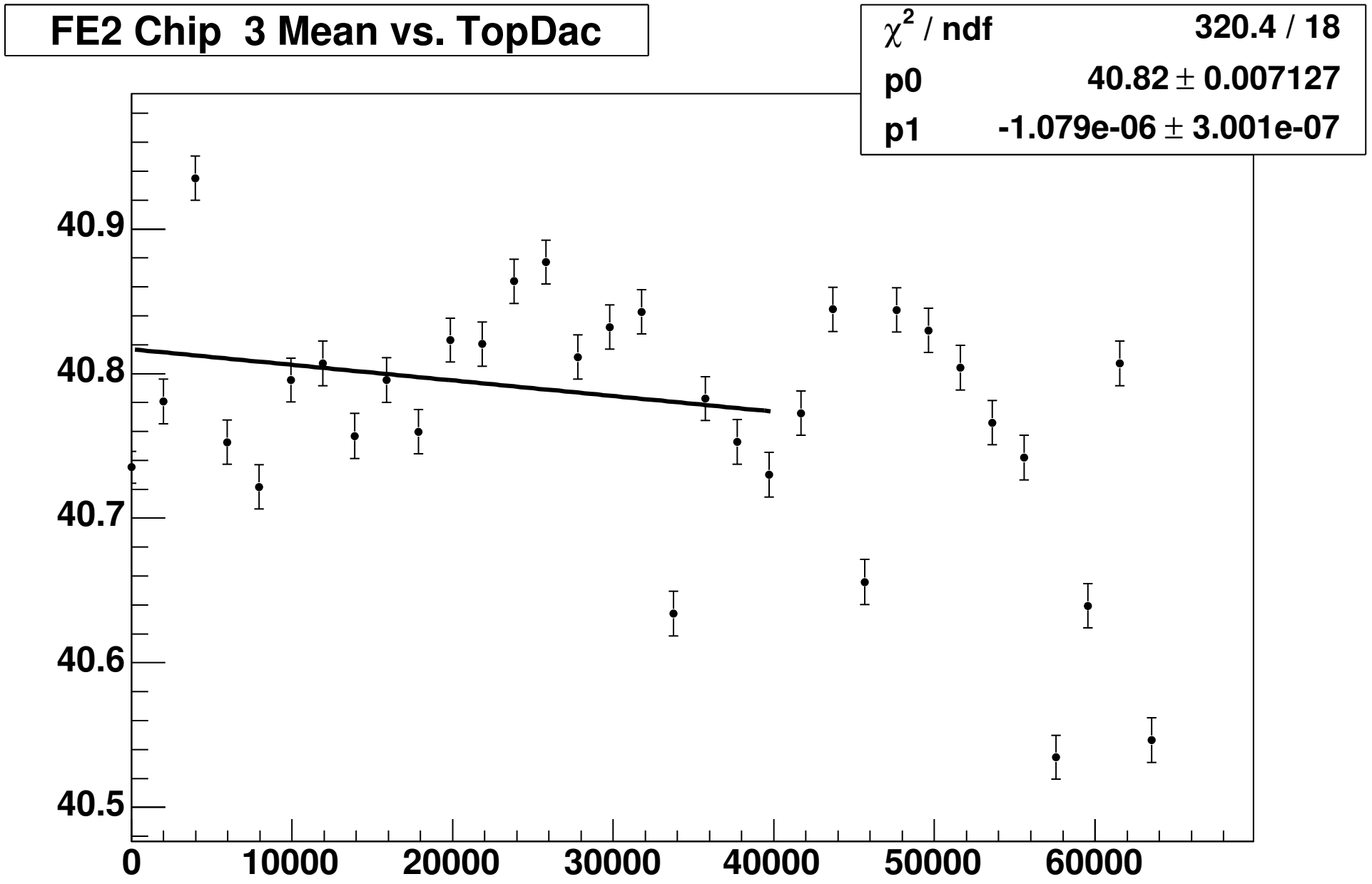
50000
60000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 320.4 / 18
p0 40.82 ± 0.007127
p1 -1.079e-06 ± 3.001e-07
40.9
40.8
40.7
40.6
40.5
0
10000
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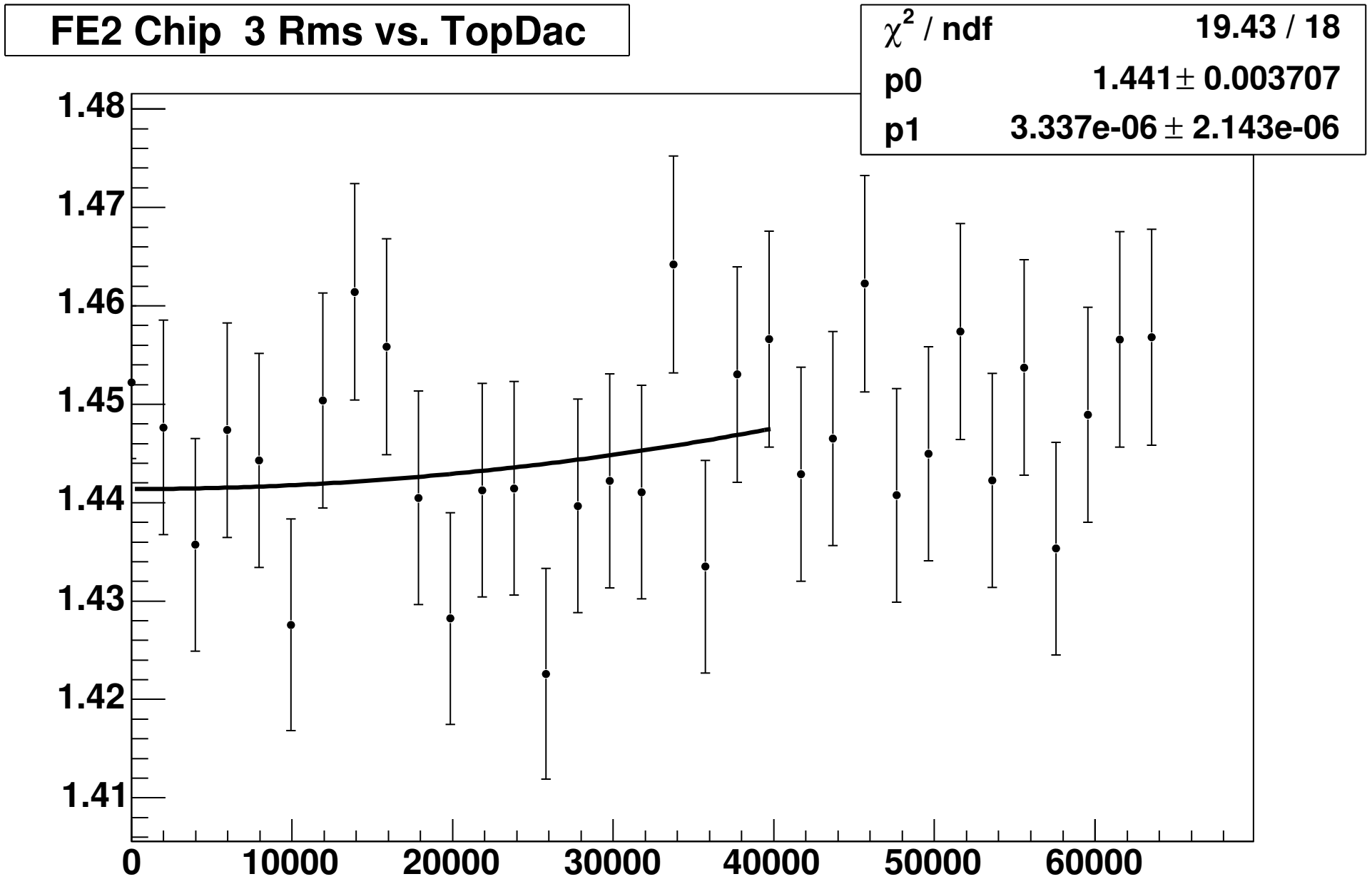
50000
60000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 19.43 / 18
p0 1.441 ± 0.003707
p1 3.337e-06 ± 2.143e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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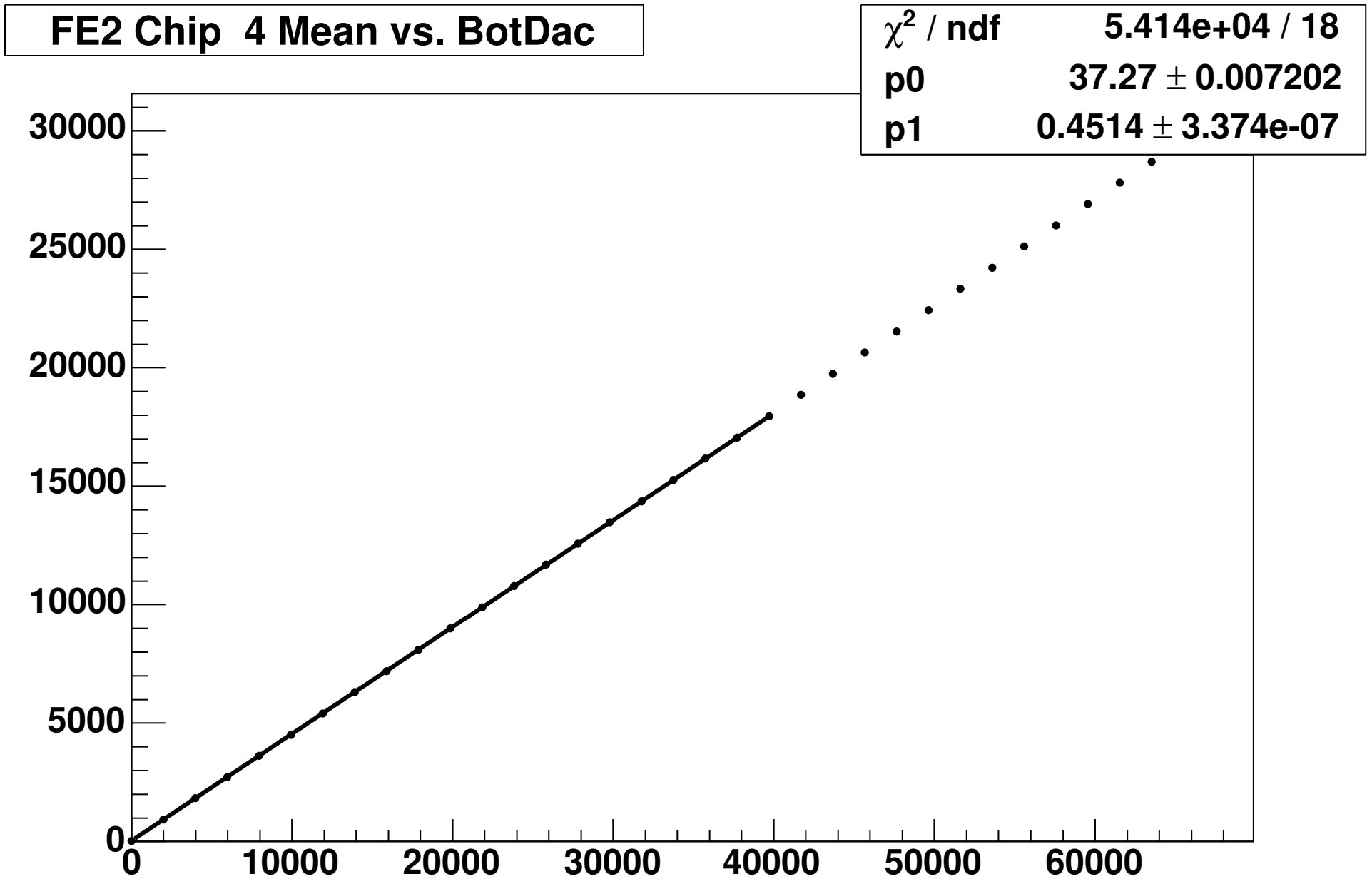
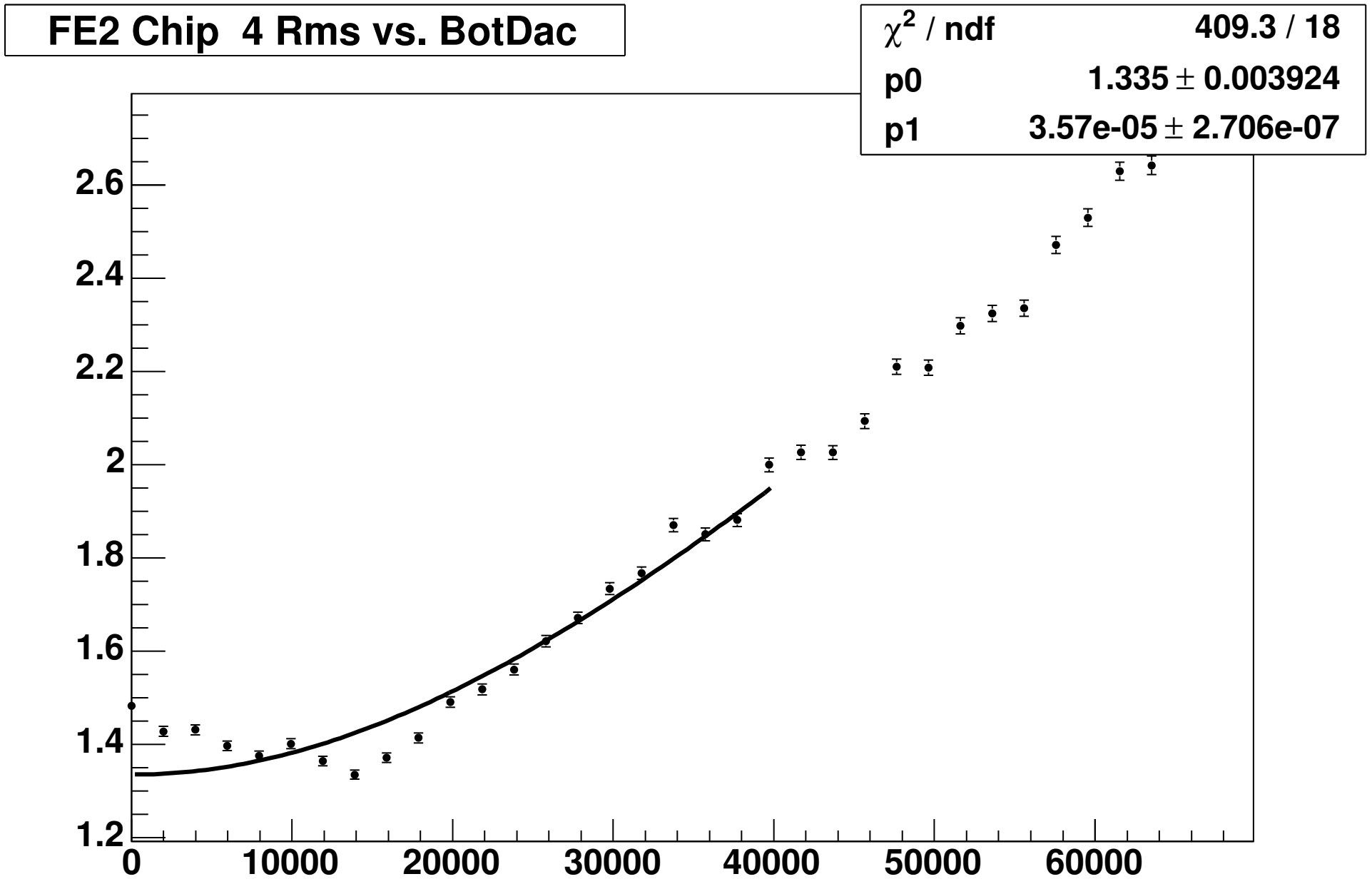
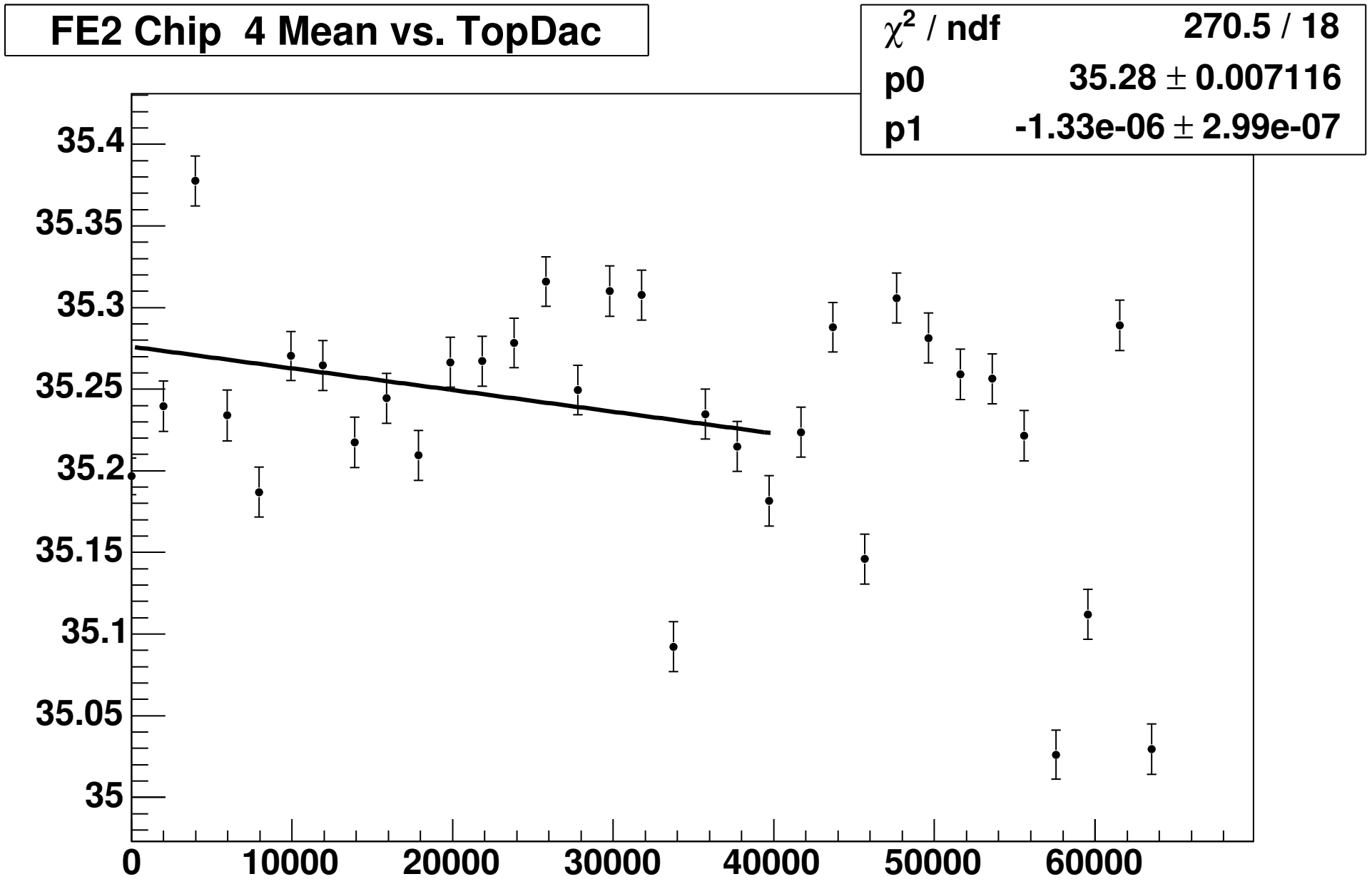
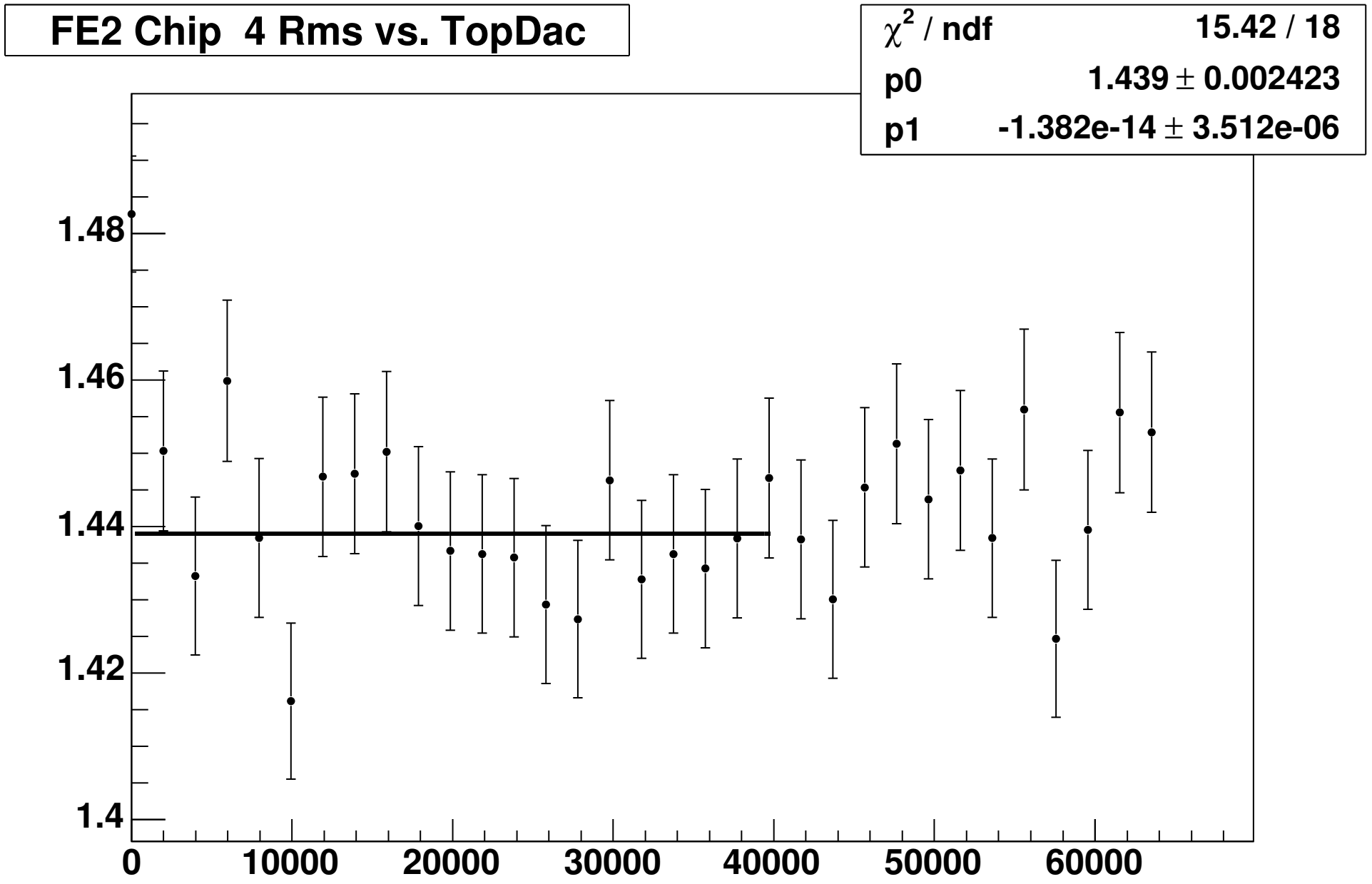
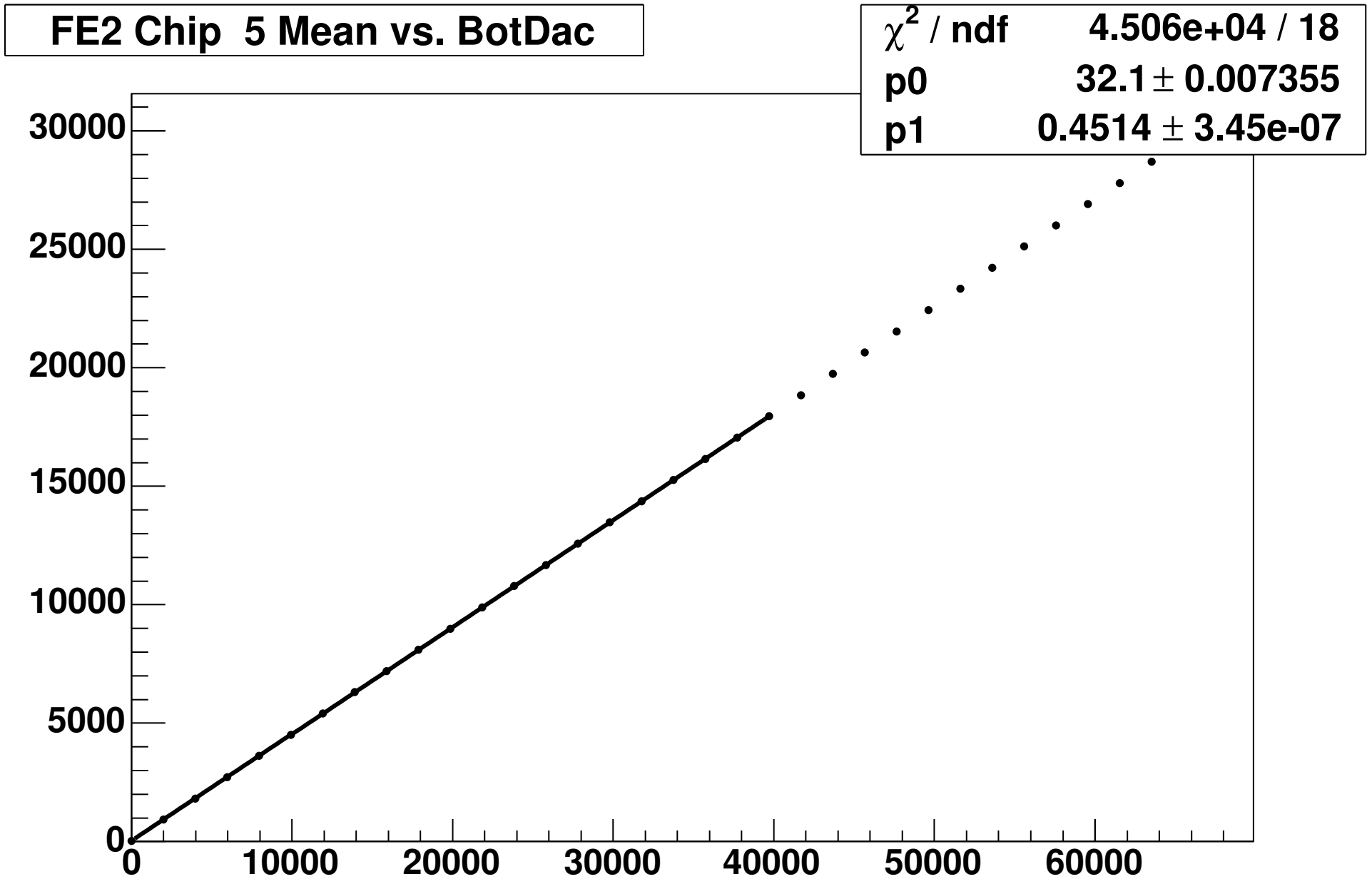
40000
50000
60000

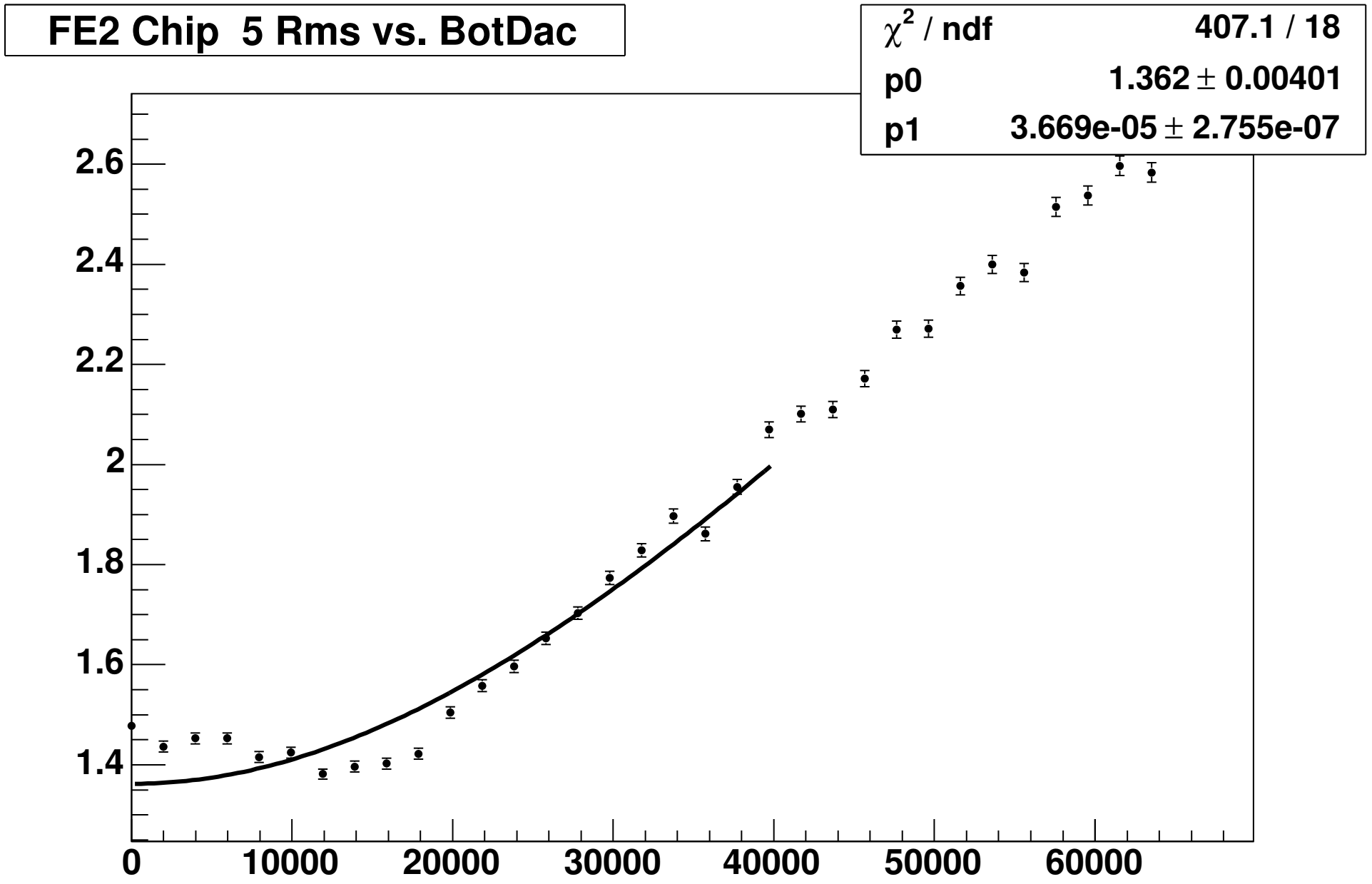

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 5.414e+04 / 18
p0 37.27 ± 0.007202
p1 0.4514 ± 3.374e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 409.3 / 18
p0 1.335 ± 0.003924
p1 3.57e-05 ± 2.706e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 270.5 / 18
p0 35.28 ± 0.007116
p1 -1.33e-06 ± 2.99e-07
35.4
35.35
35.3
35.25
35.2
35.15
35.1
35.05
35
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 15.42 / 18
p0 1.439 ± 0.002423
p1 -1.382e-14 ± 3.512e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 4.506e+04 / 18
p0 32.1 ± 0.007355
p1 0.4514 ± 3.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 407.1 / 18
p0 1.362 ± 0.00401
p1 3.669e-05 ± 2.755e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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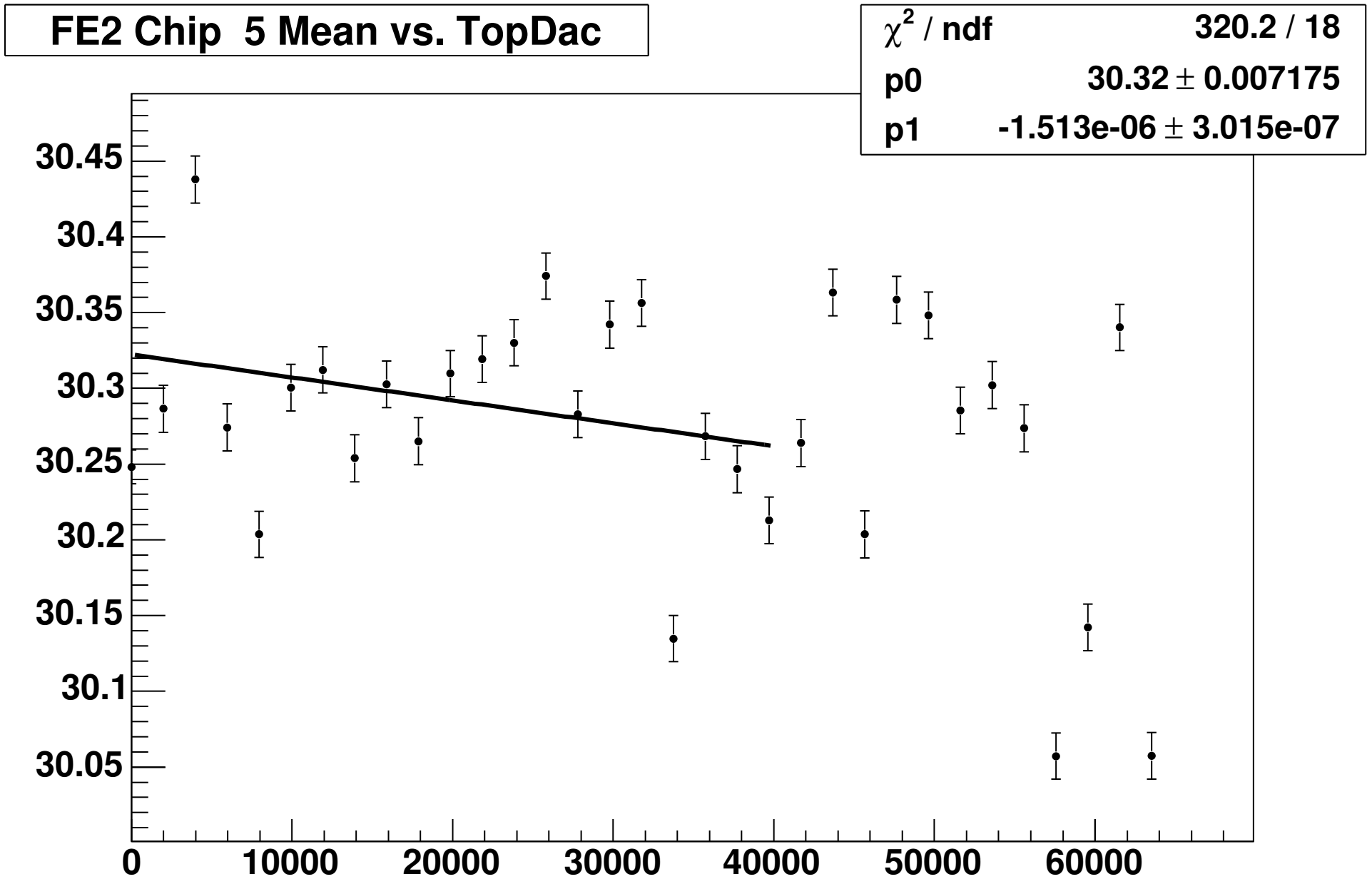
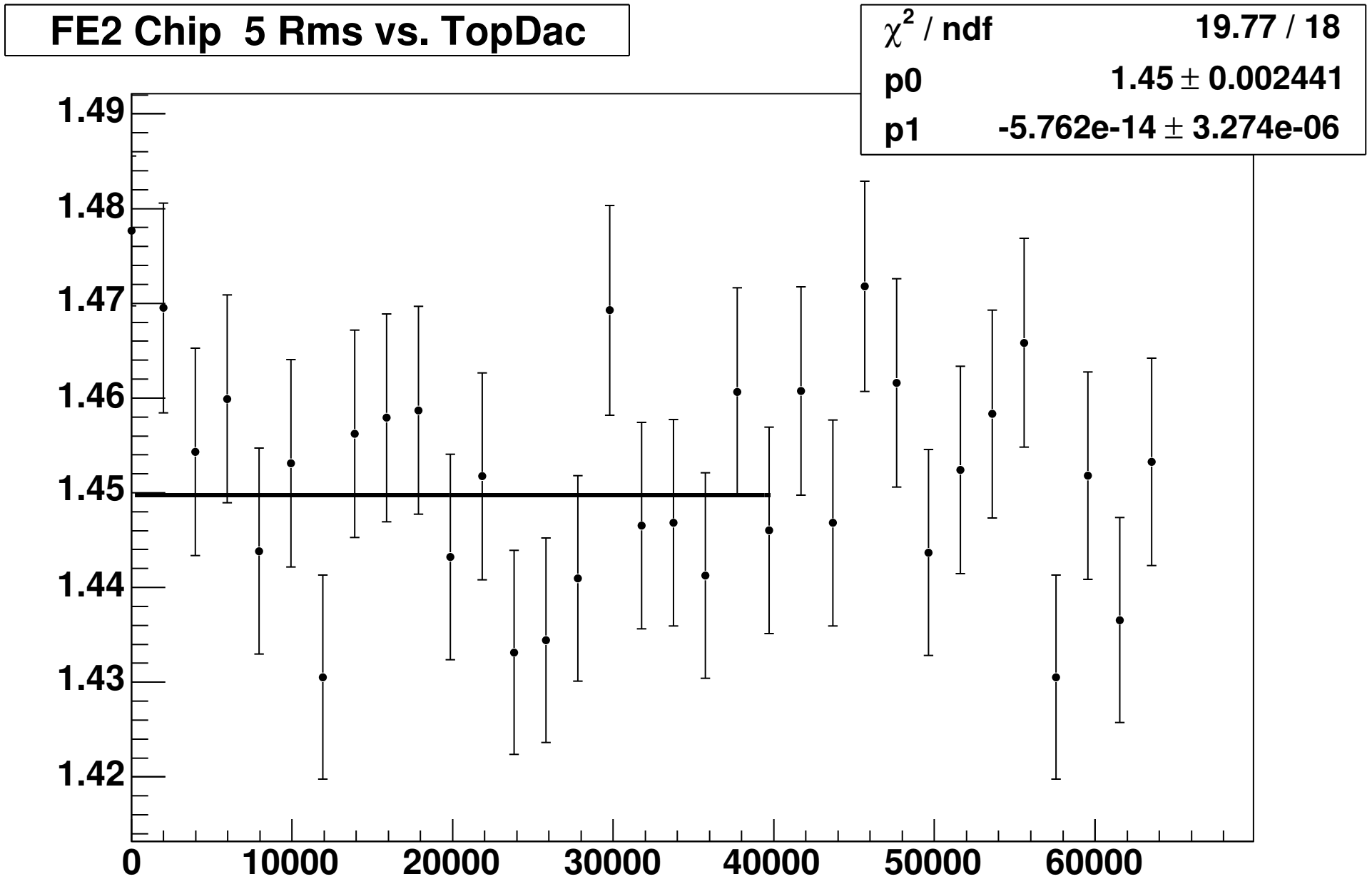
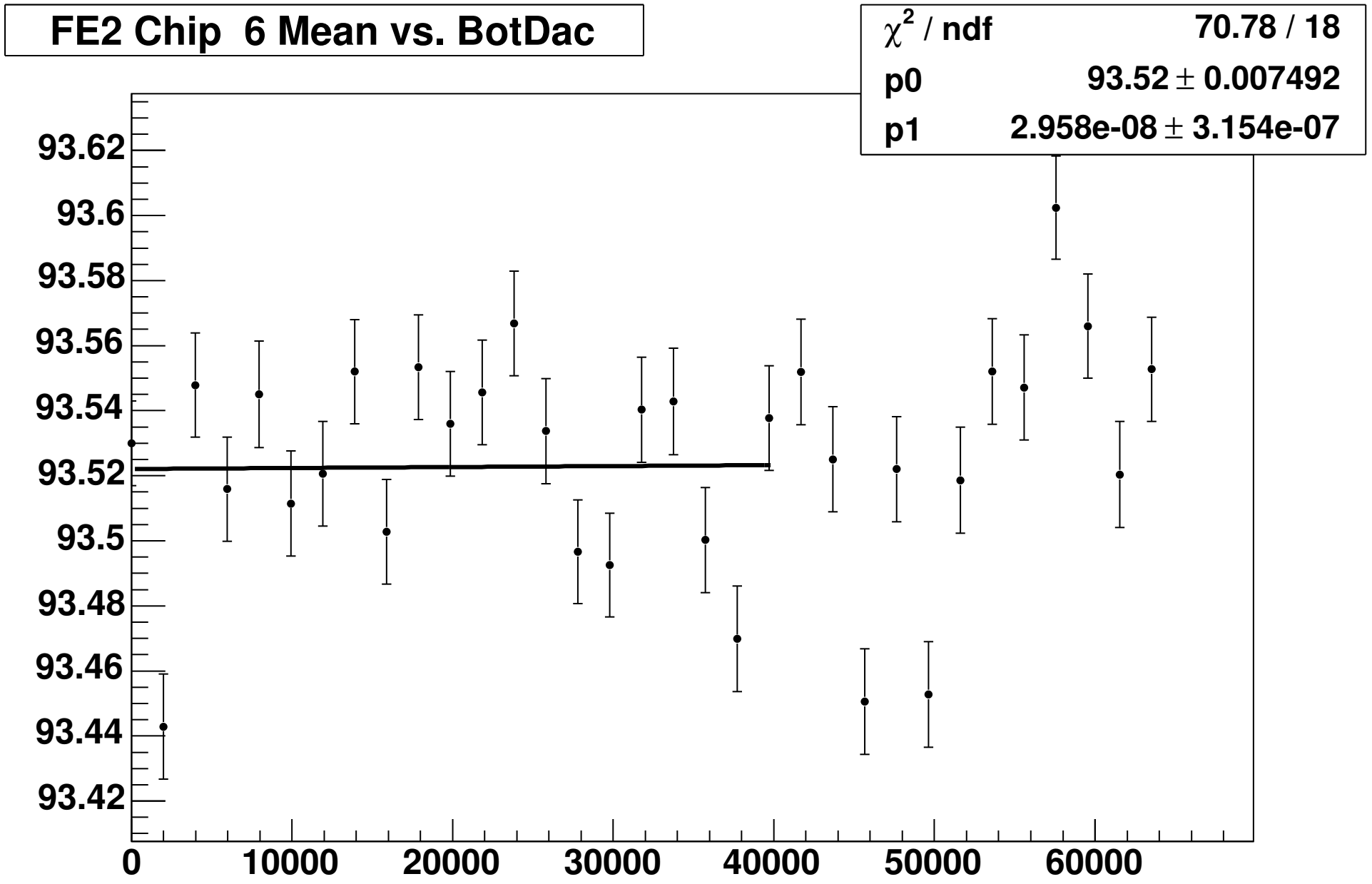
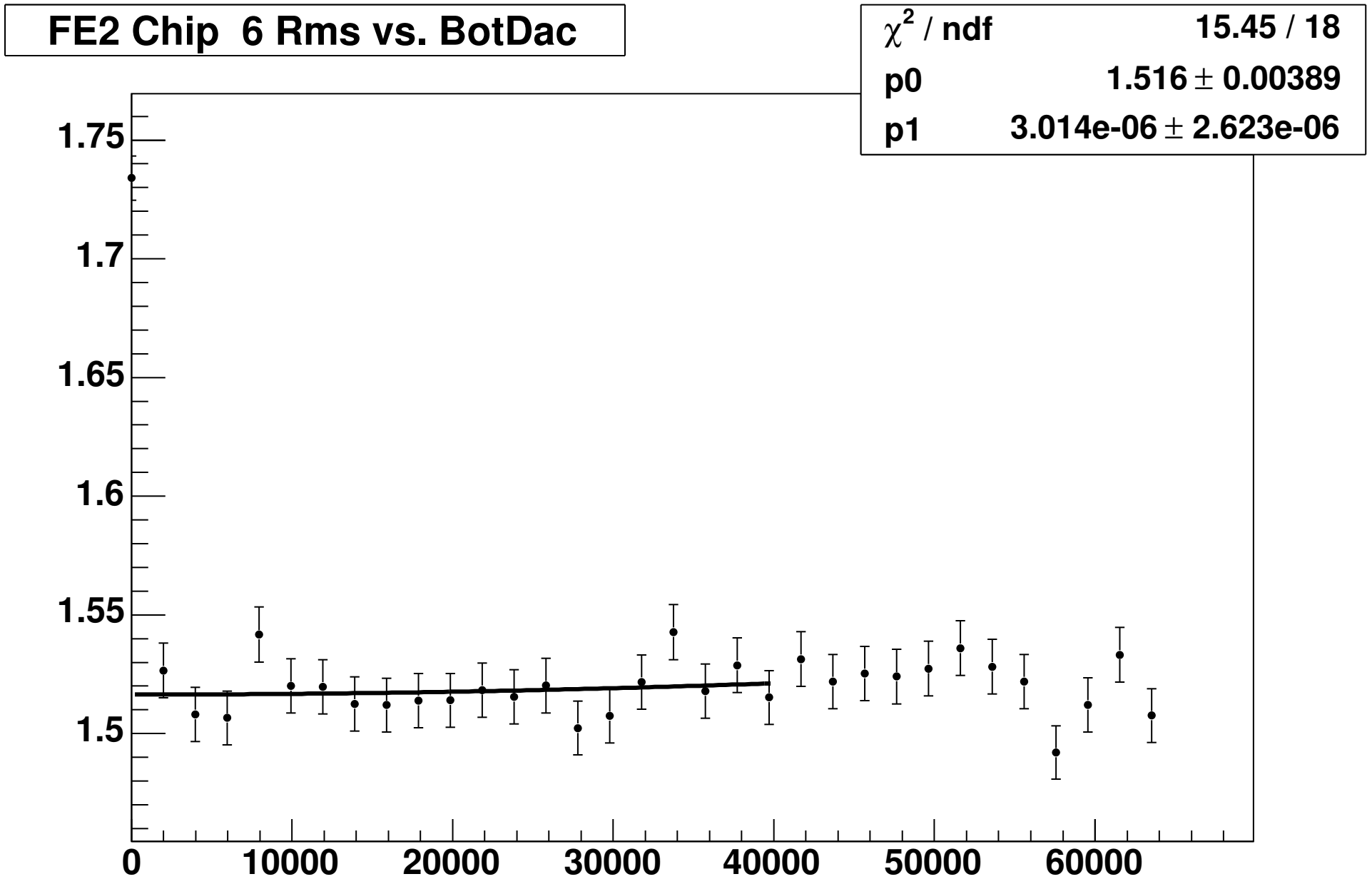
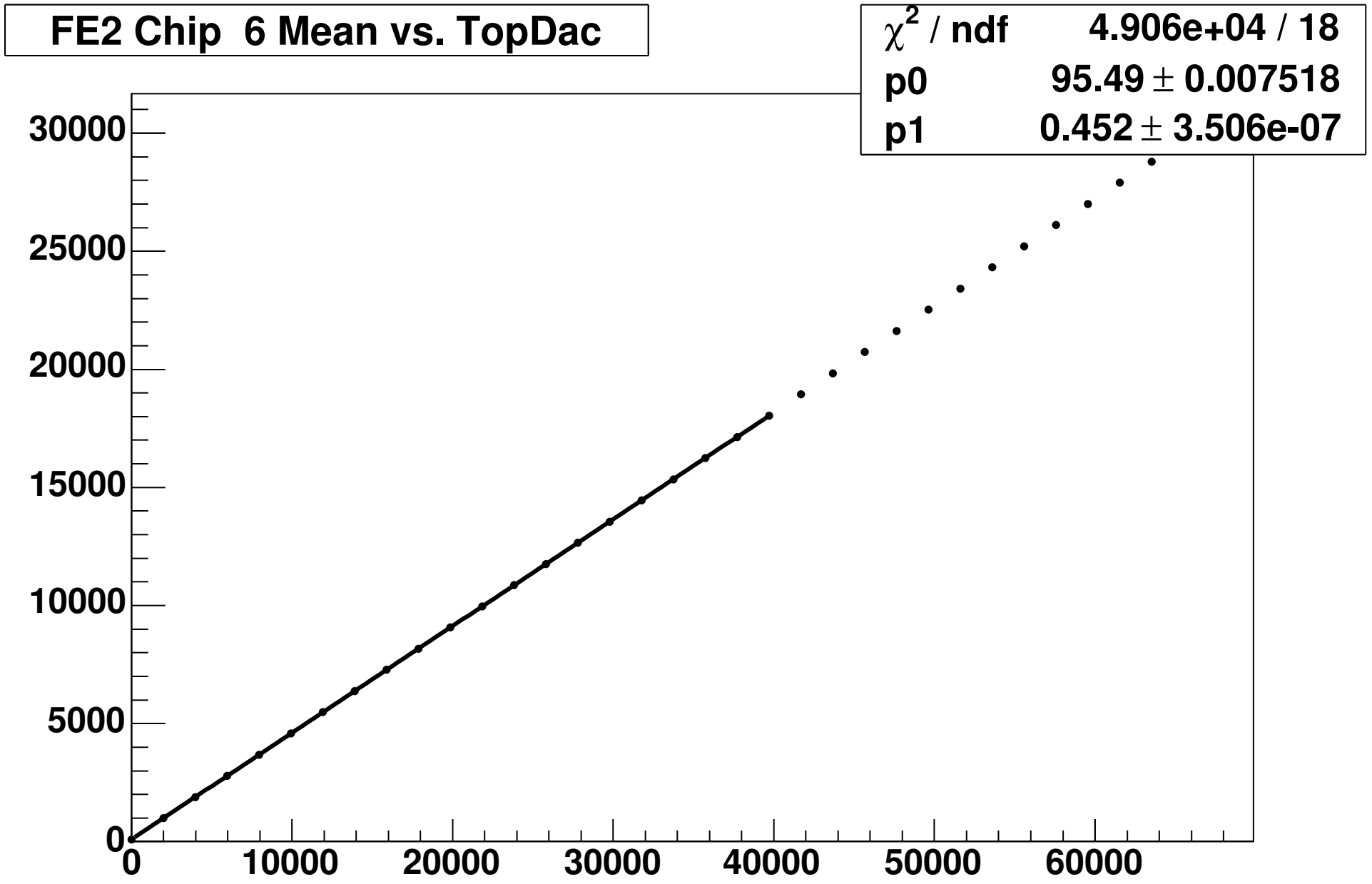
30000
40000
50000
60000

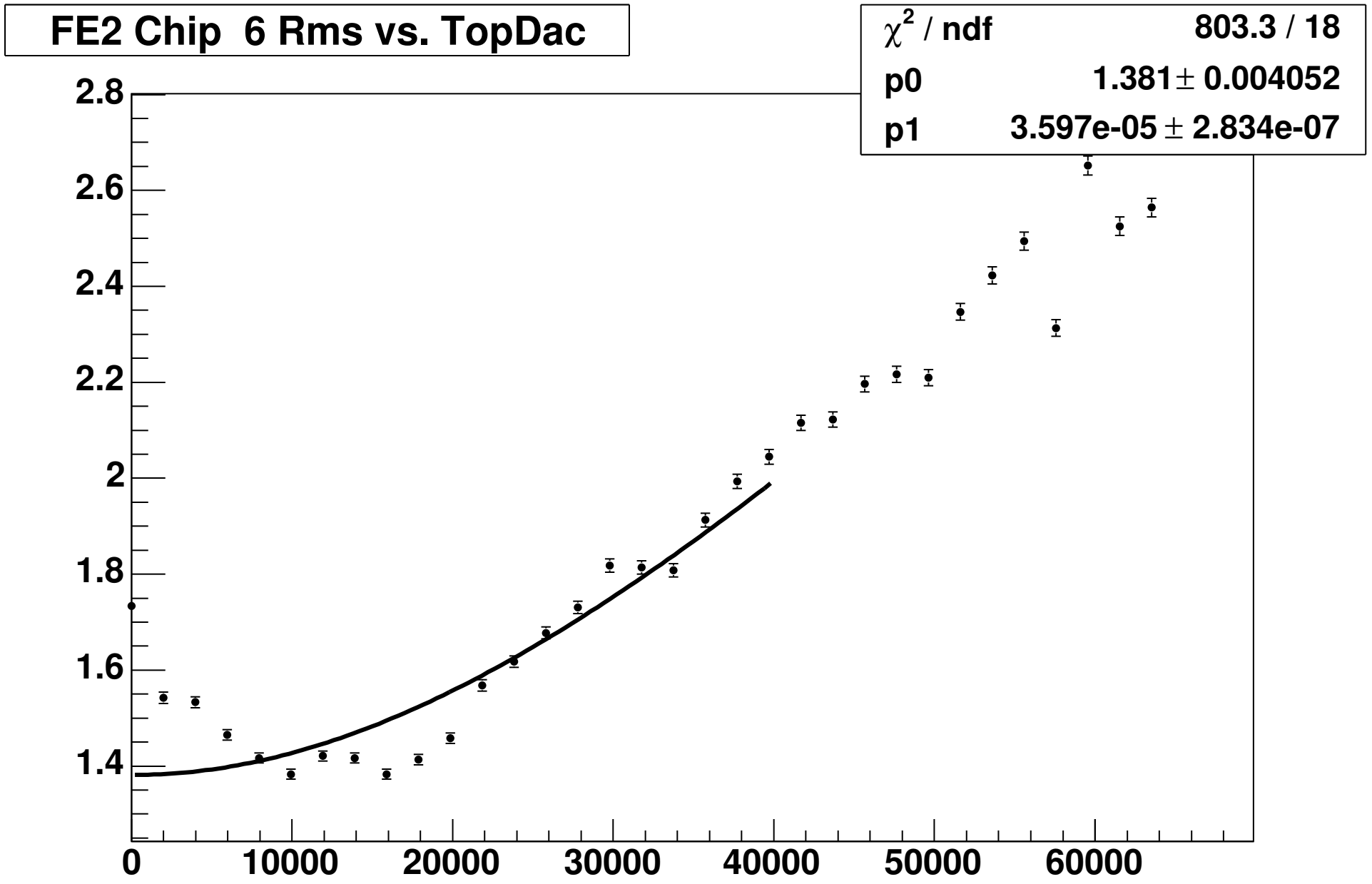

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 320.2 / 18
p0 30.32 ± 0.007175
p1 -1.513e-06 ± 3.015e-07
30.45
30.4
30.35
30.3
30.25
30.2
30.15
30.1
30.05
0
10000
20000
30000
40000
50000
60000

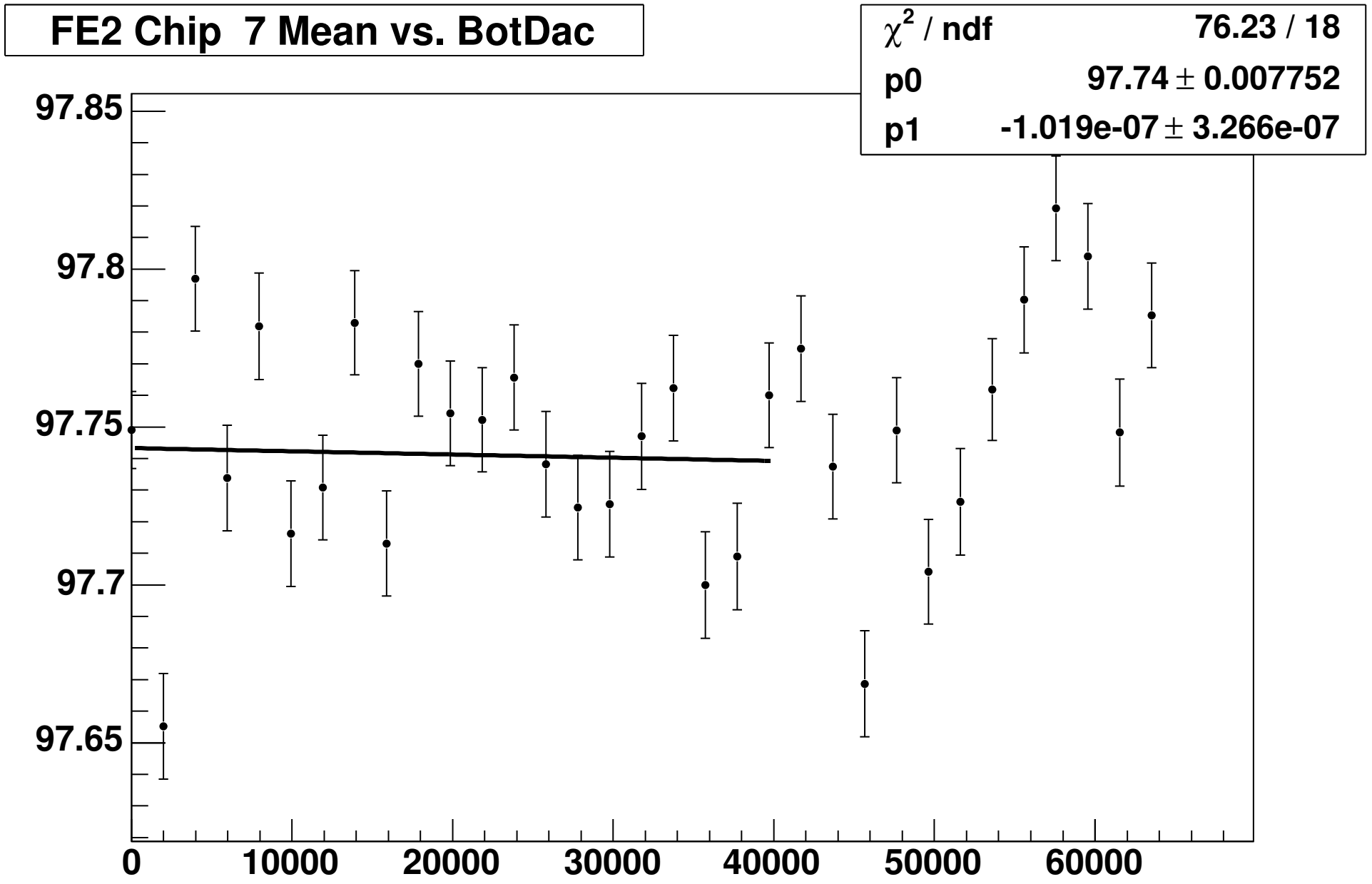

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 19.77 / 18
p0 1.45 ± 0.002441
p1 -5.762e-14 ± 3.274e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

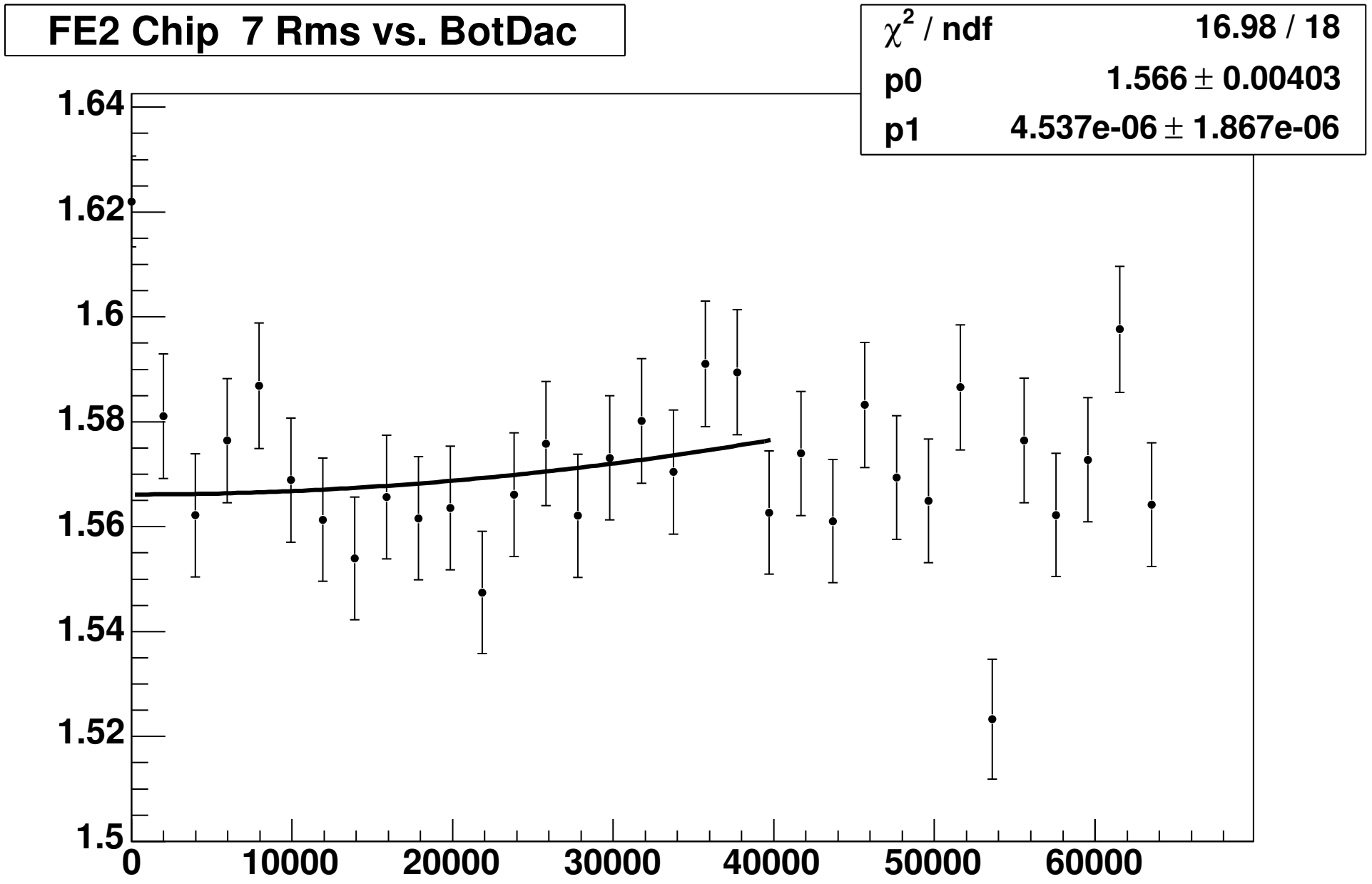

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 70.78 / 18
p0 93.52 ± 0.007492
p1 2.958e-08 ± 3.154e-07
93.62
93.6
93.58
93.56
93.54
93.52
93.5
93.48
93.46
93.44
93.42
0
10000
20000
30000
40000
50000
60000

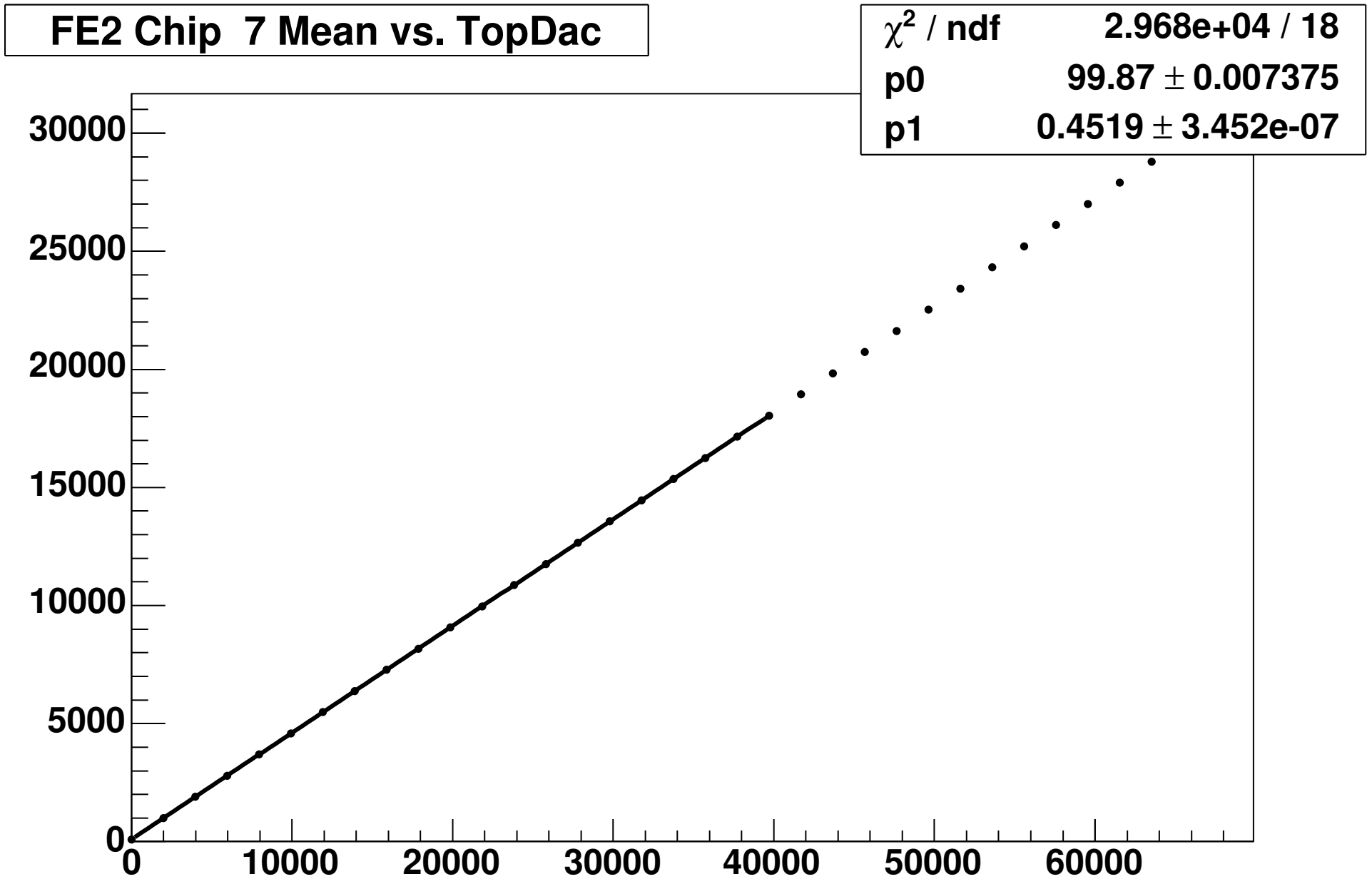

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 15.45 / 18
p0 1.516 ± 0.00389
p1 3.014e-06 ± 2.623e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

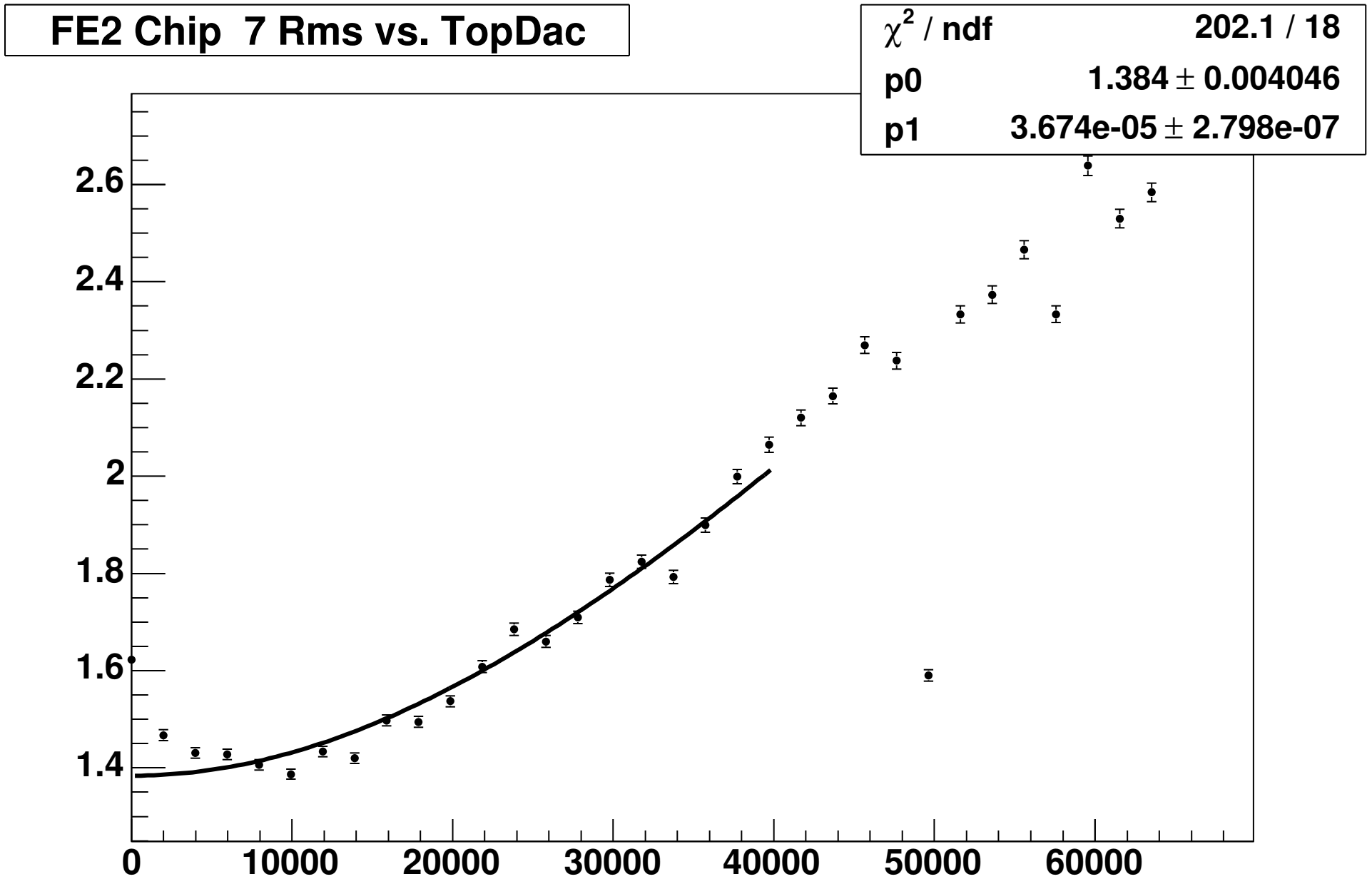

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 4.906e+04 / 18
p0 95.49 ± 0.007518
p1 0.452 ± 3.506e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

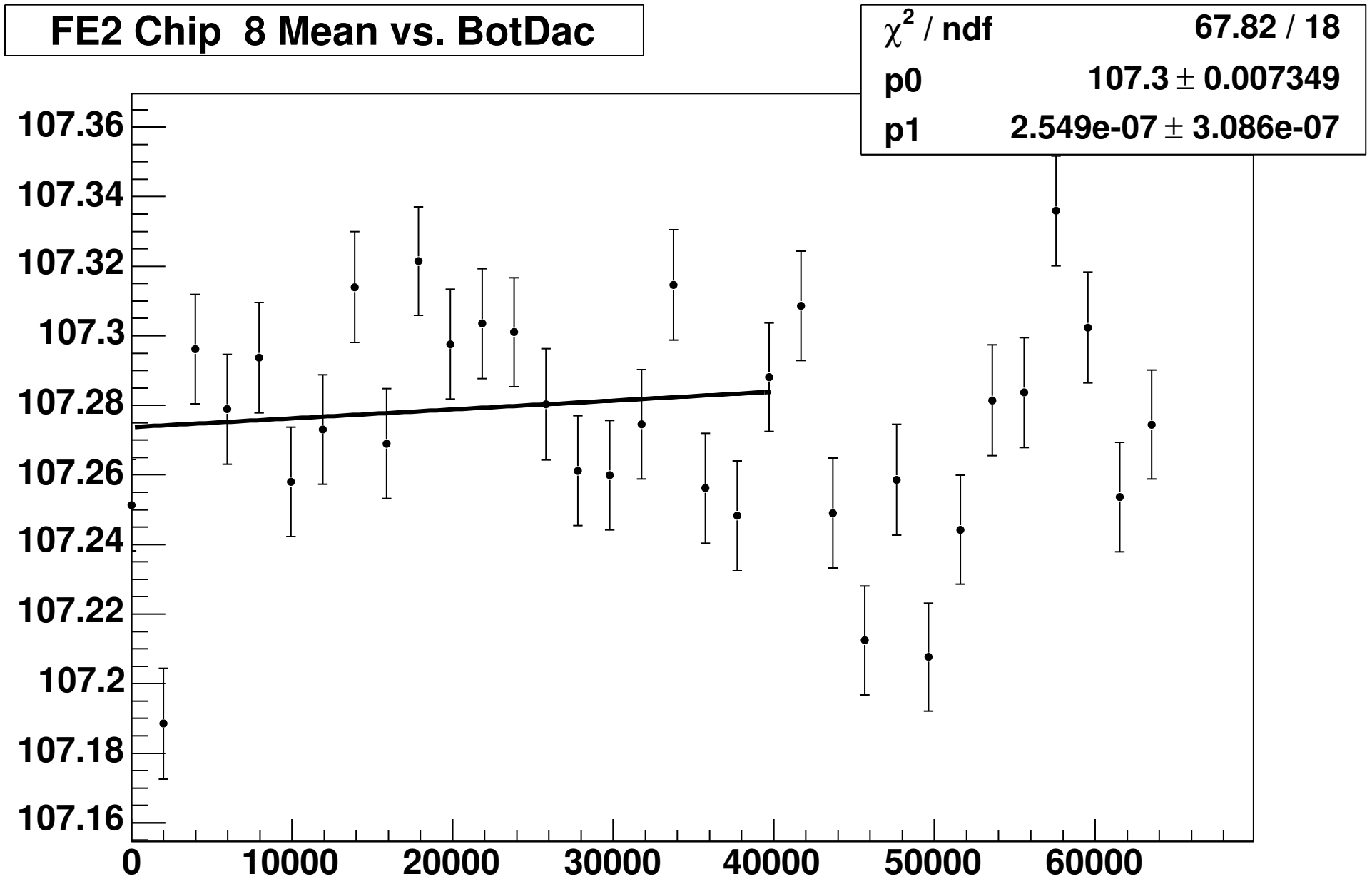

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 803.3 / 18
p0 1.381 ± 0.004052
p1 3.597e-05 ± 2.834e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

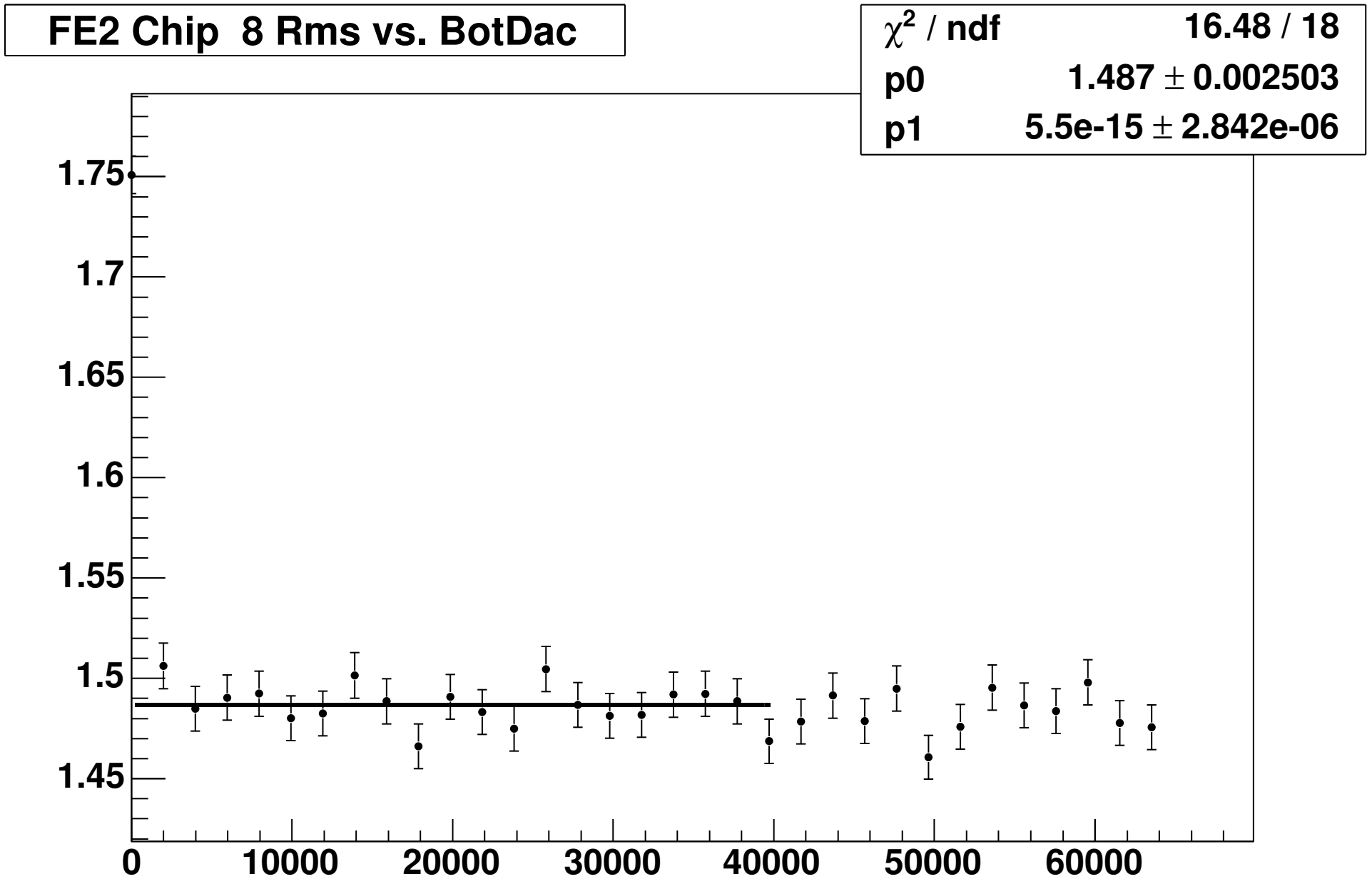

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 76.23 / 18
p0 97.74 ± 0.007752
p1 -1.019e-07 ± 3.266e-07
97.85
97.8
97.75
97.7
97.65
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 16.98 / 18
p0 1.566 ± 0.00403
p1 4.537e-06 ± 1.867e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 2.968e+04 / 18
p0 99.87 ± 0.007375
p1 0.4519 ± 3.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 202.1 / 18
p0 1.384 ± 0.004046
p1 3.674e-05 ± 2.798e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 67.82 / 18
p0 107.3 ± 0.007349
p1 2.549e-07 ± 3.086e-07
107.36
107.34
107.32
107.3
107.28
107.26
107.24
107.22
107.2
107.18
107.16
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 16.48 / 18
p0 1.487 ± 0.002503
p1 5.5e-15 ± 2.842e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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30000
40000
50000
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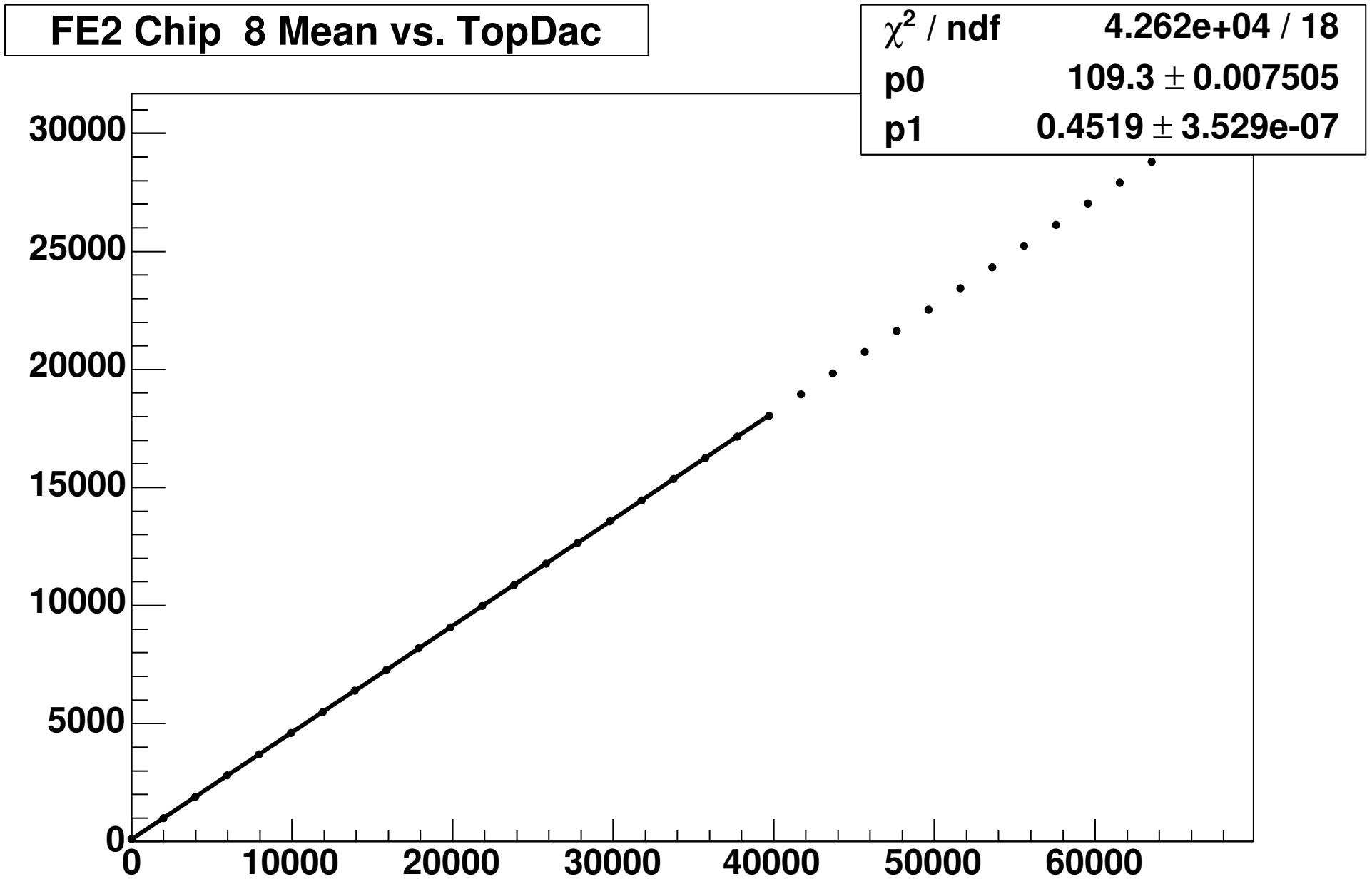
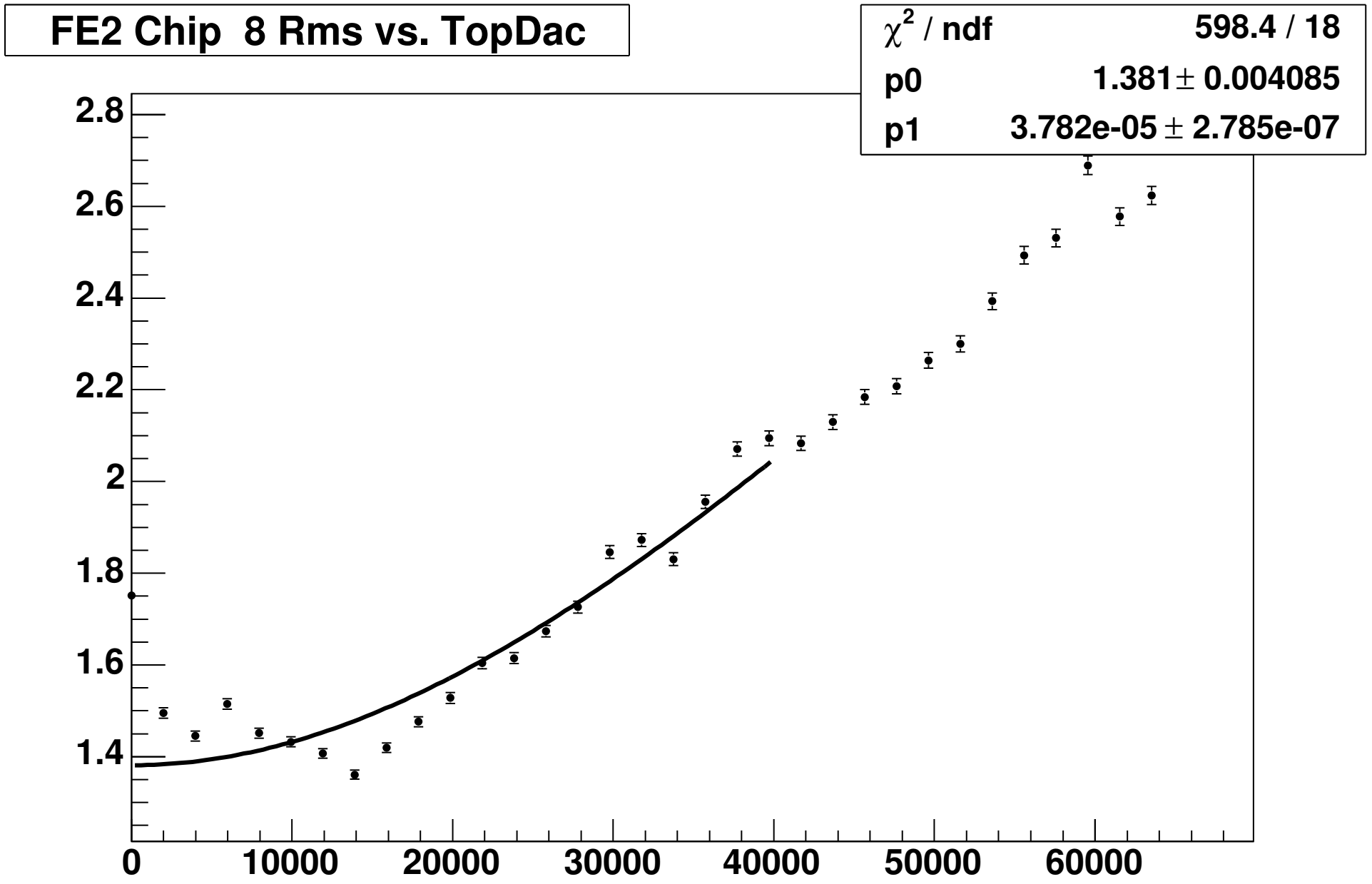
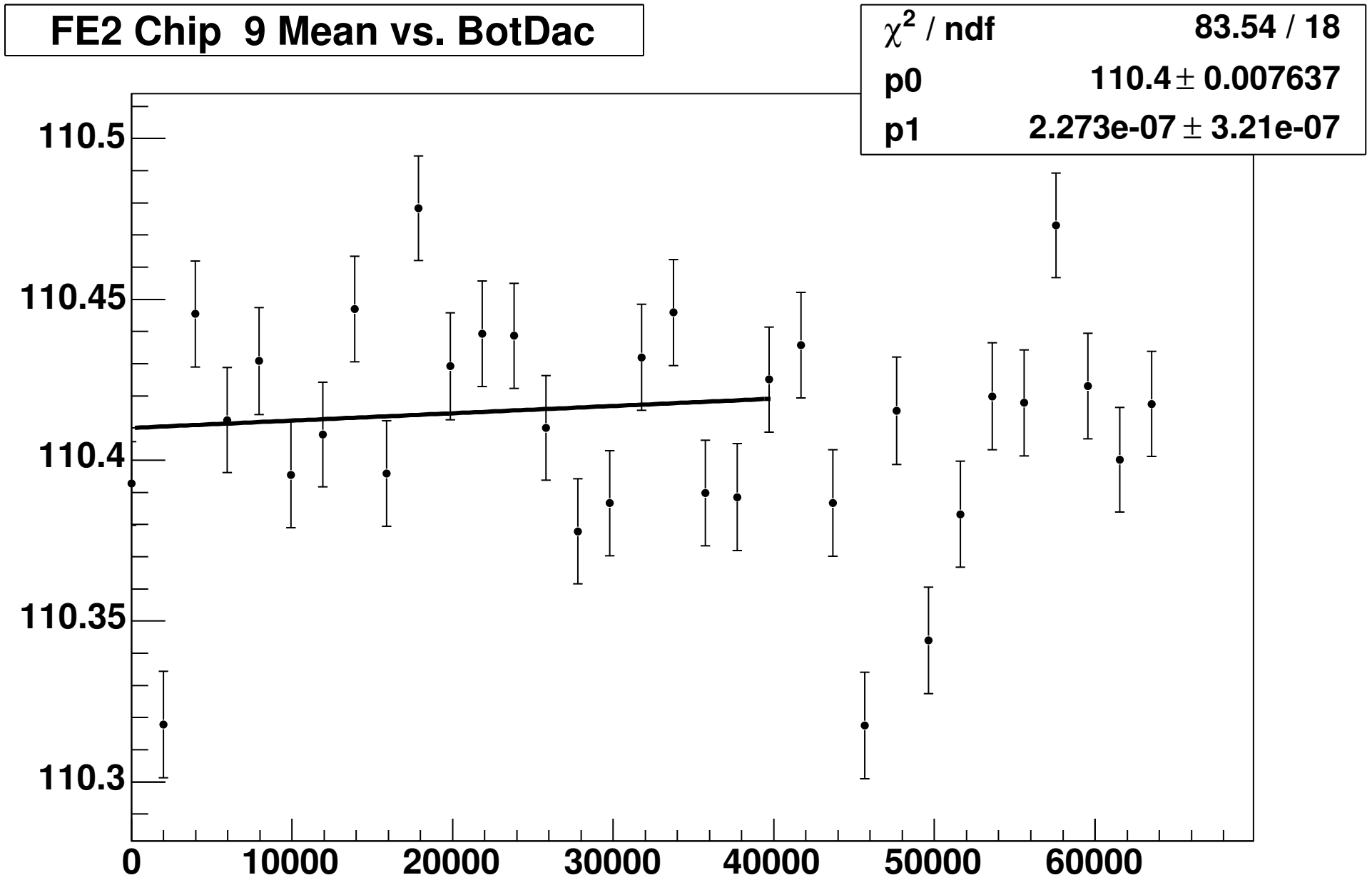

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 4.262e+04 / 18
p0 109.3 ± 0.007505
p1 0.4519 ± 3.529e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 598.4 / 18
p0 1.381 ± 0.004085
p1 3.782e-05 ± 2.785e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 83.54 / 18
p0 110.4 ± 0.007637
p1 2.273e-07 ± 3.21e-07
110.5
110.45
110.4
110.35
110.3
0
10000
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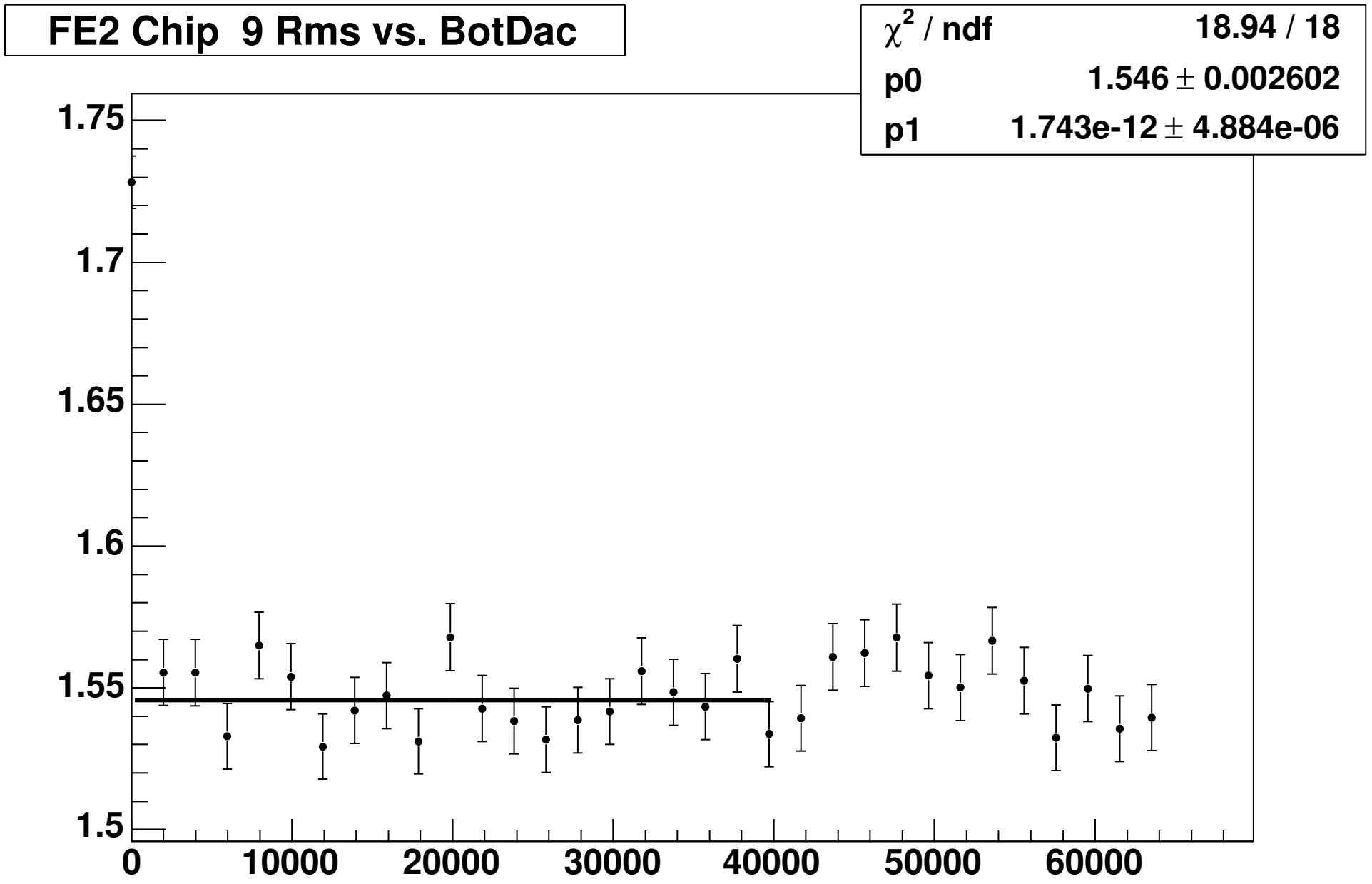
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 18.94 / 18
p0 1.546 ± 0.002602
p1 1.743e-12 ± 4.884e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
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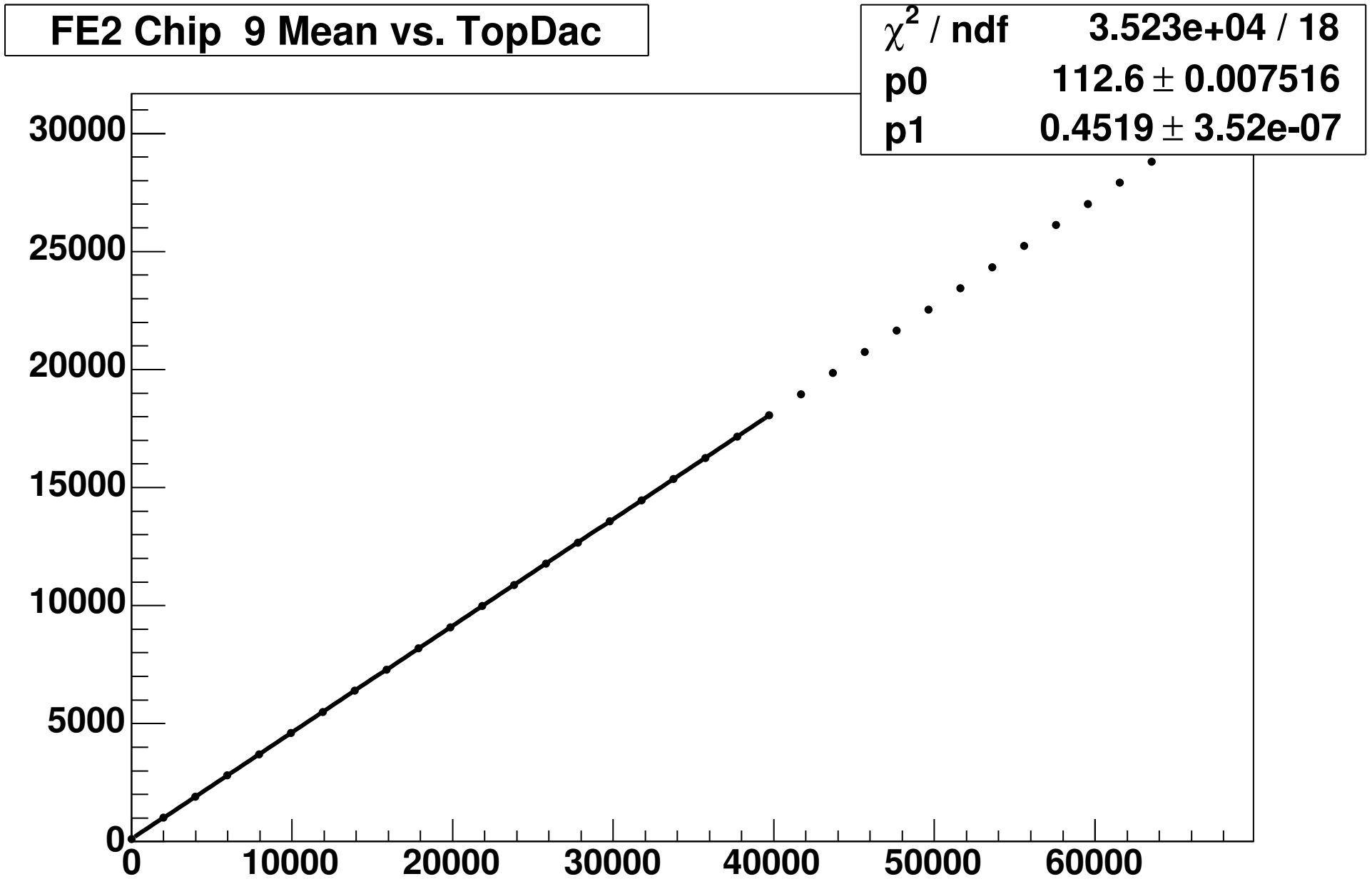
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 3.523e+04 / 18
p0 112.6 ± 0.007516
p1 0.4519 ± 3.52e-07
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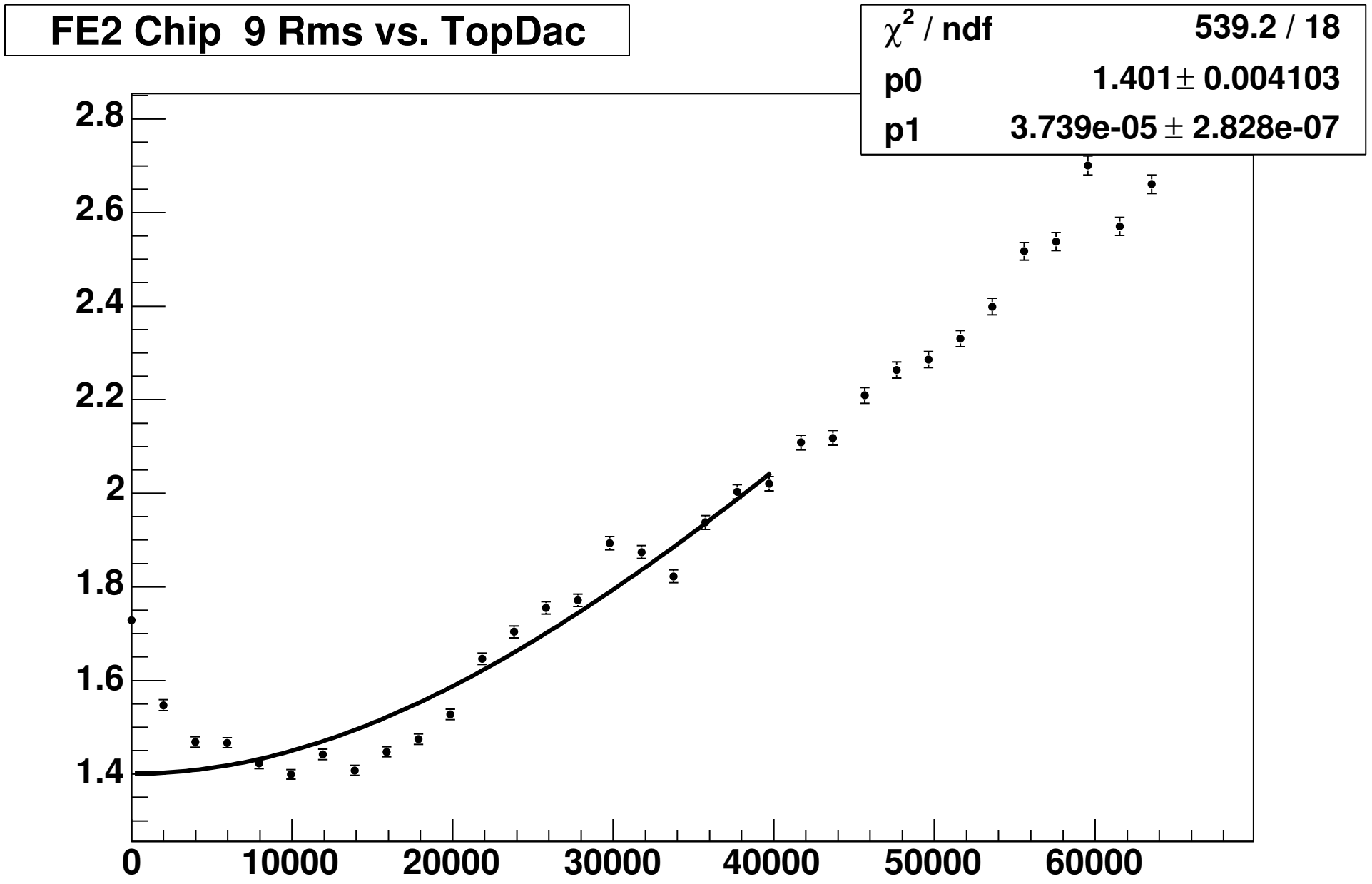
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 539.2 / 18
p0 1.401 ± 0.004103
p1 3.739e-05 ± 2.828e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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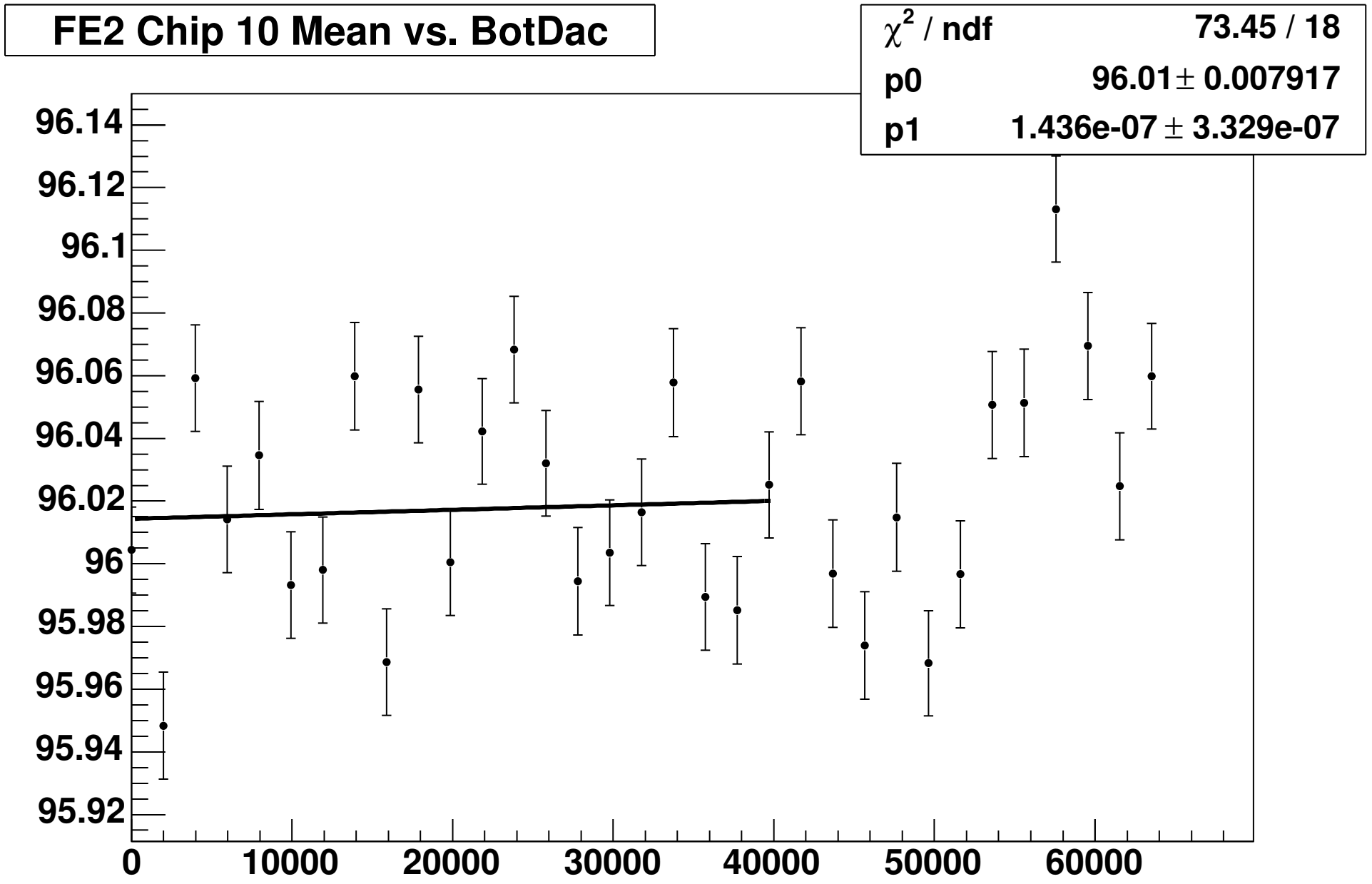
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 73.45 / 18
p0 96.01 ± 0.007917
p1 1.436e-07 ± 3.329e-07
96.14
96.12
96.1
96.08
96.06
96.04
96.02
96
95.98
95.96
95.94
95.92
0
10000
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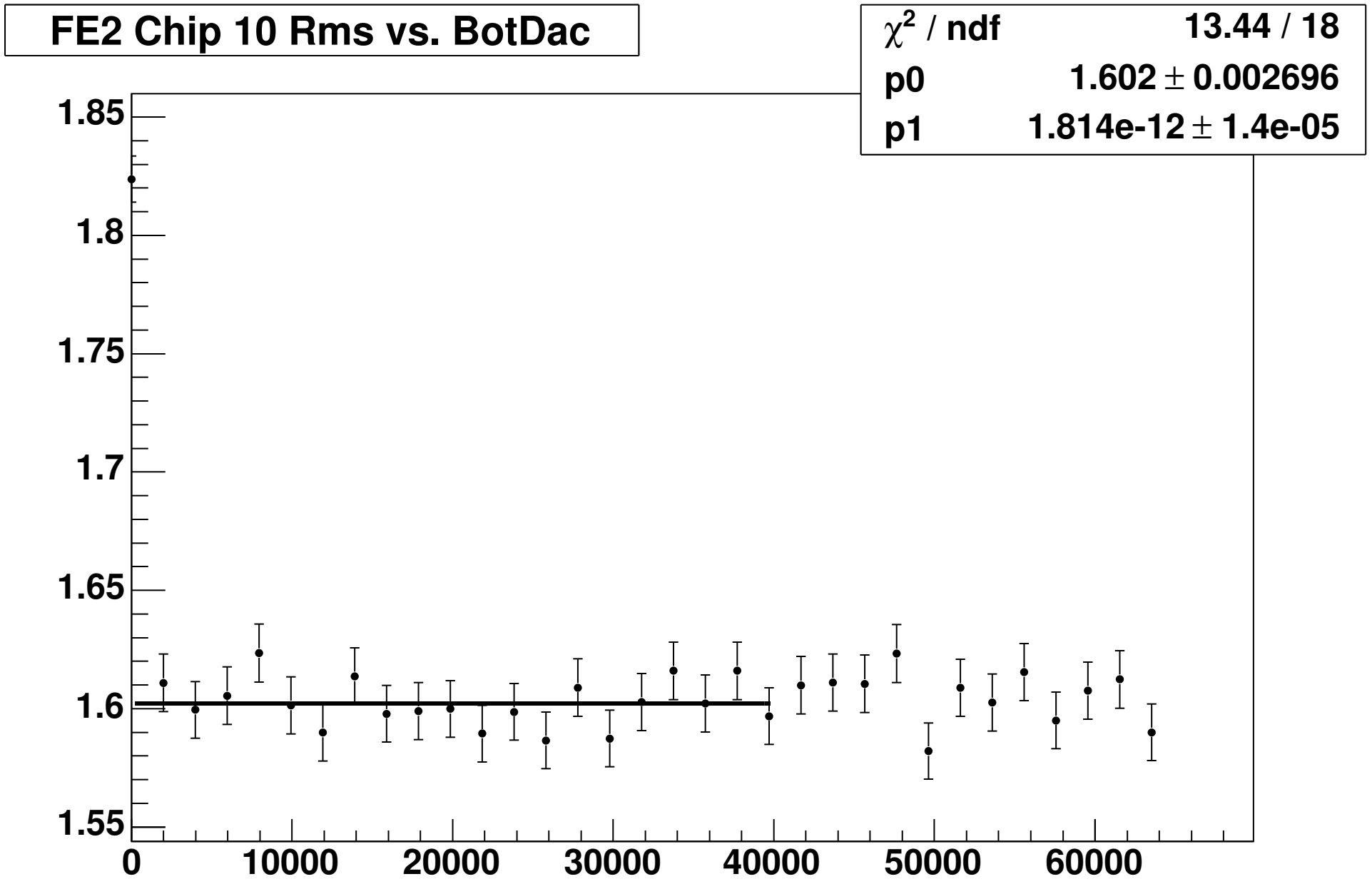
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 13.44 / 18
p0 1.602 ± 0.002696
p1 1.814e-12 ± 1.4e-05
1.85
1.8
1.75
1.7
1.65
1.6
1.55
0
10000
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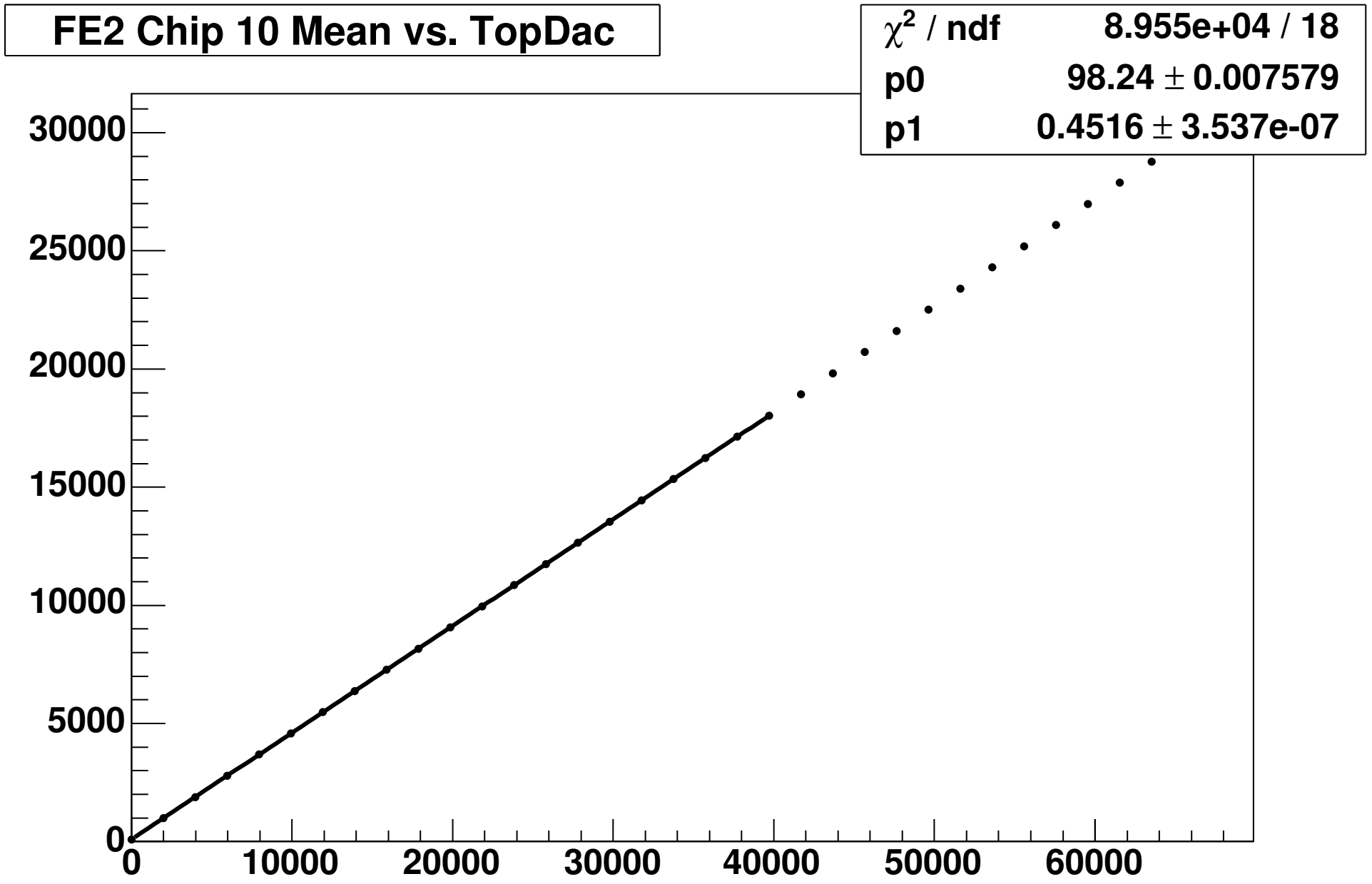
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 8.955e+04 / 18
p0 98.24 ± 0.007579
p1 0.4516 ± 3.537e-07
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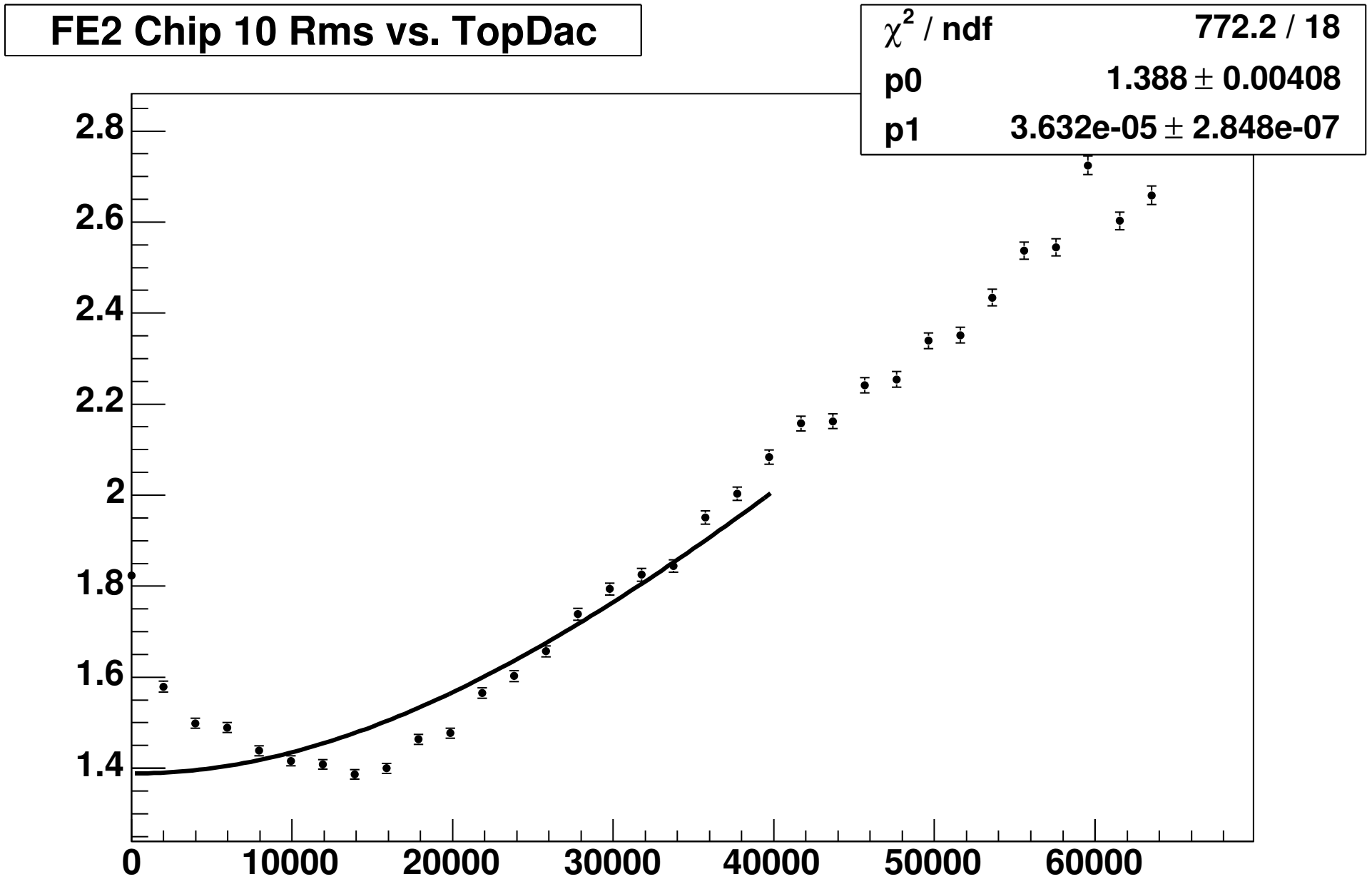
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 772.2 / 18
p0 1.388 ± 0.00408
p1 3.632e-05 ± 2.848e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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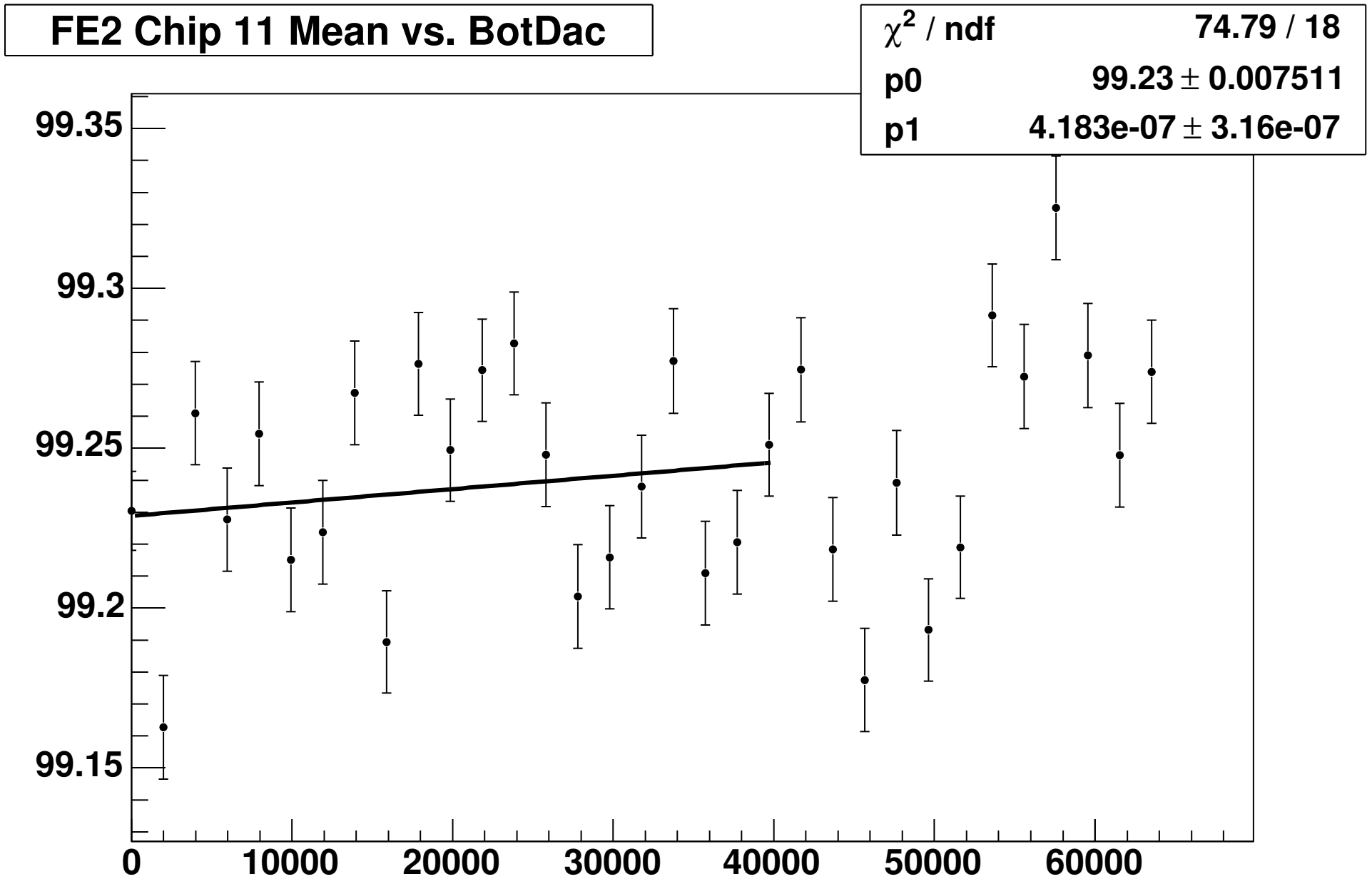
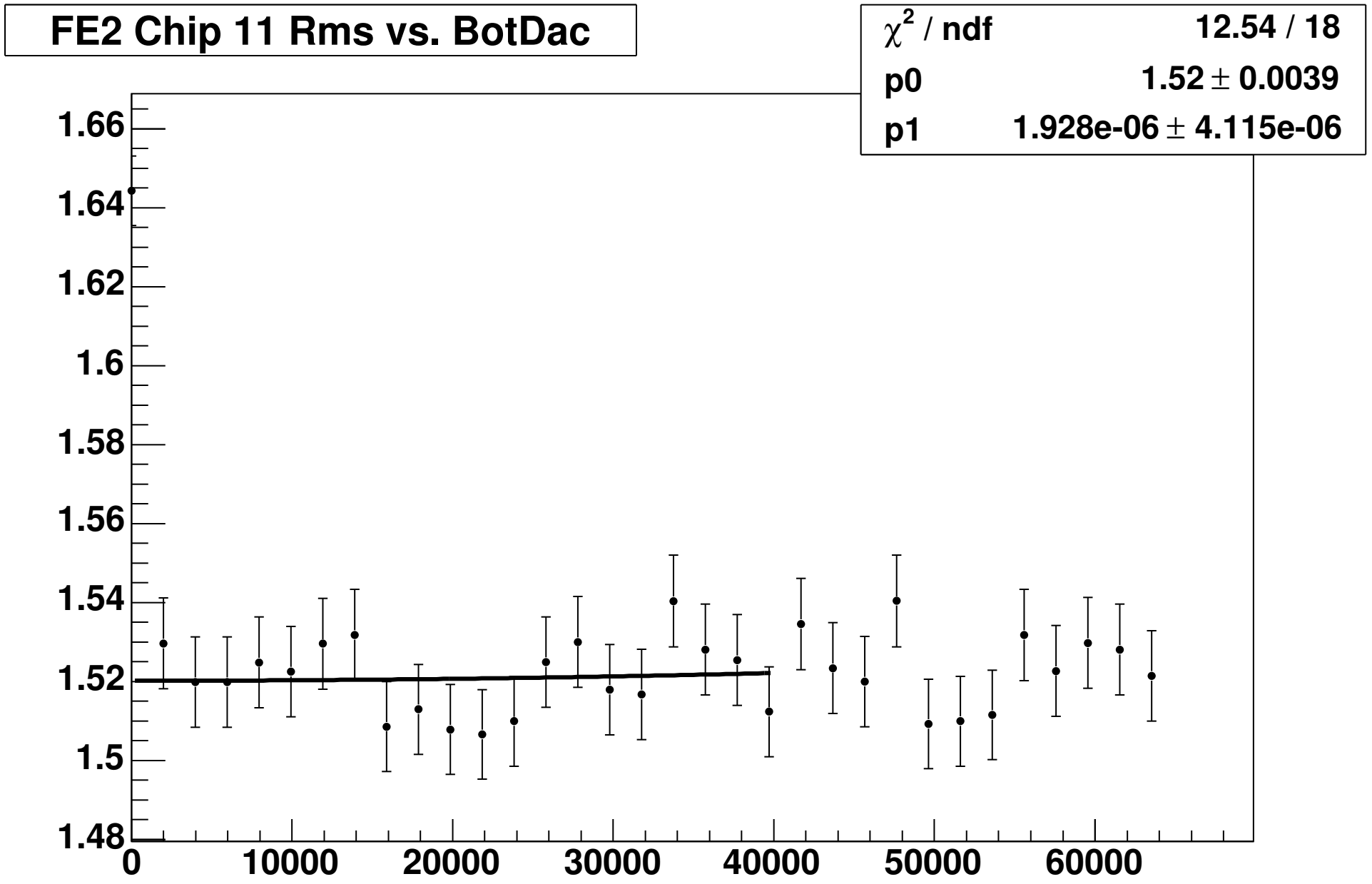
30000
40000
50000
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 74.79 / 18
p0 99.23 ± 0.007511
p1 4.183e-07 ± 3.16e-07
99.35
99.3
99.25
99.2
99.15
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 12.54 / 18
p0 1.52 ± 0.0039
p1 1.928e-06 ± 4.115e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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30000
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50000
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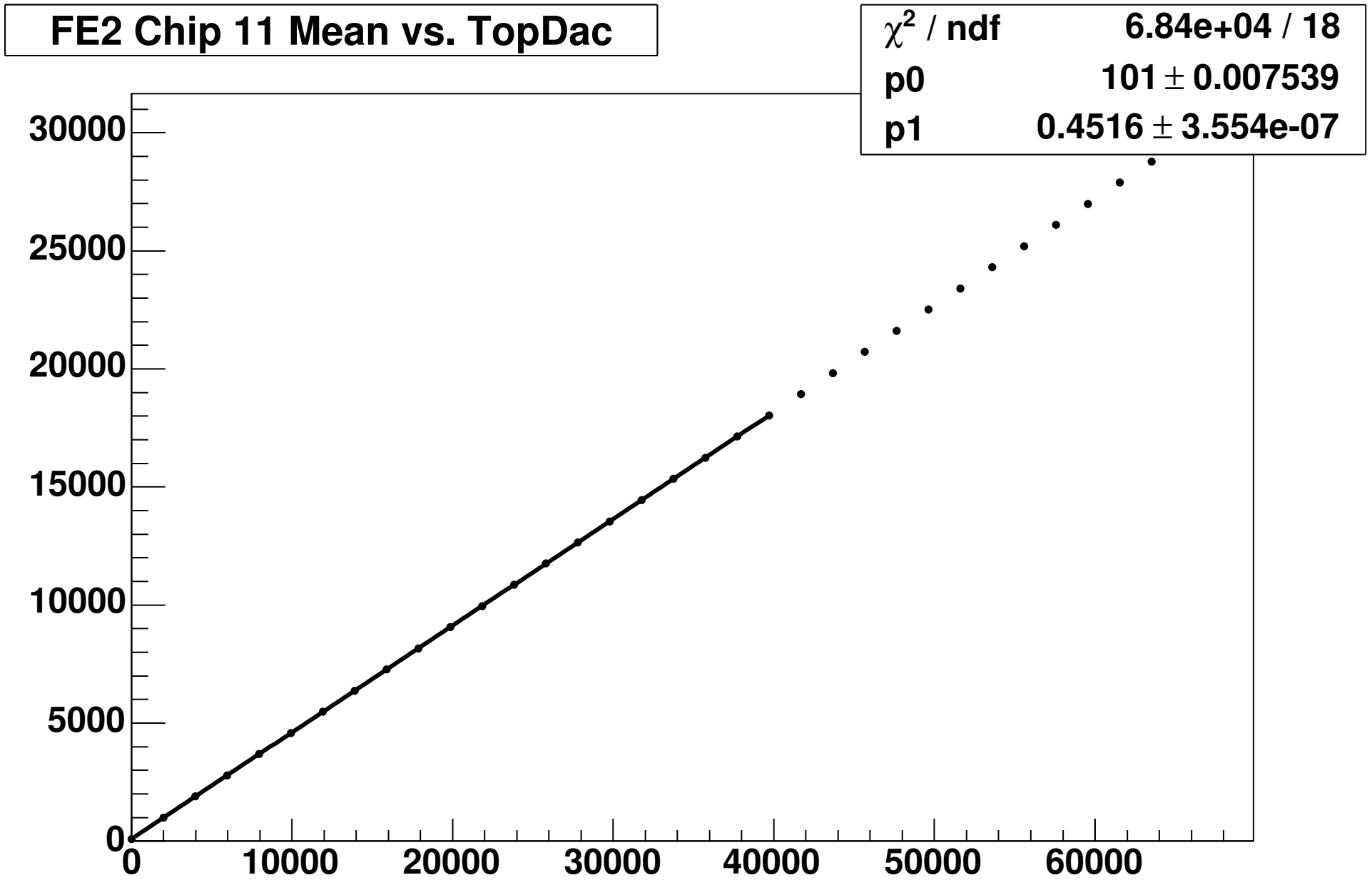
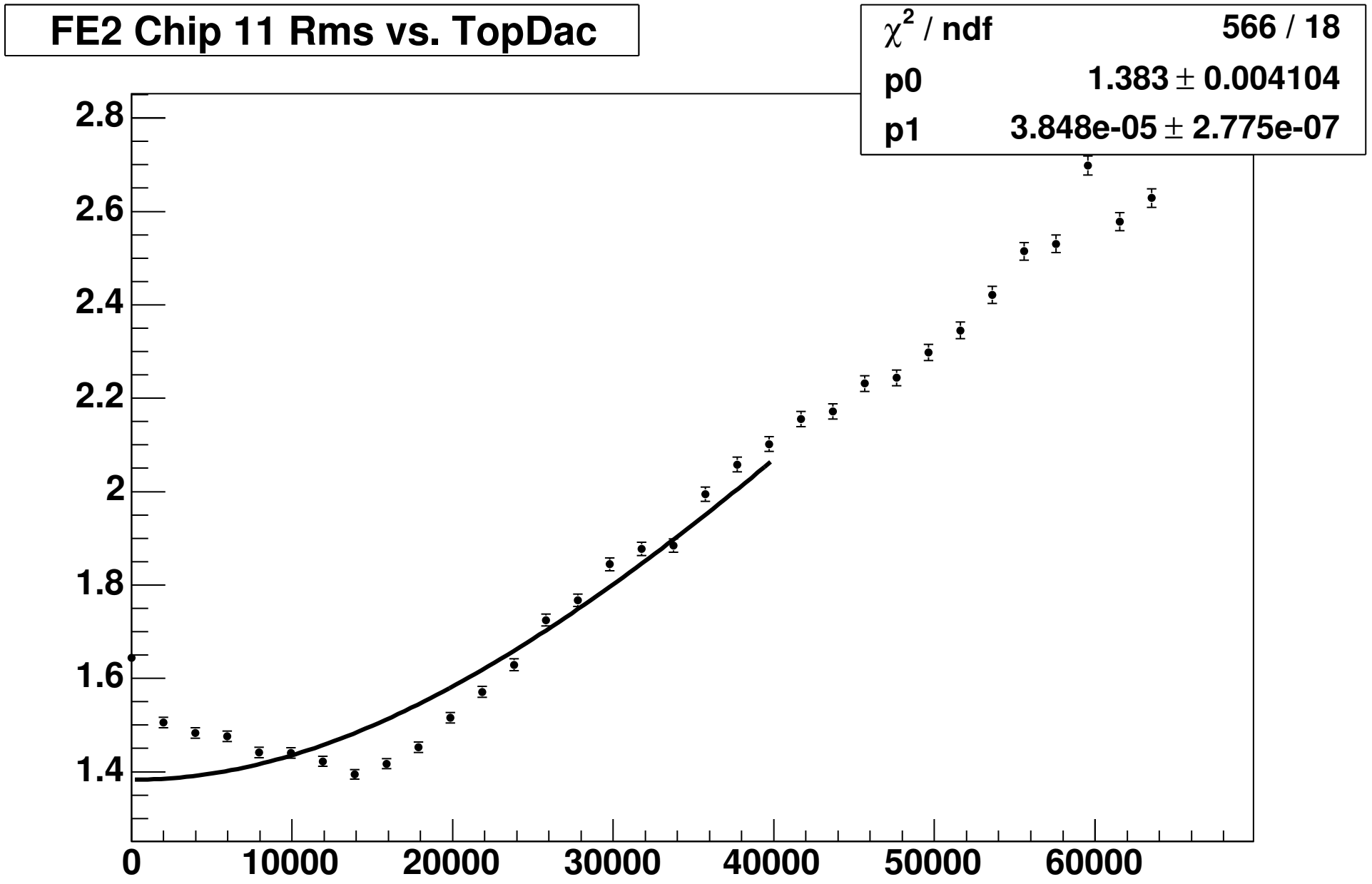
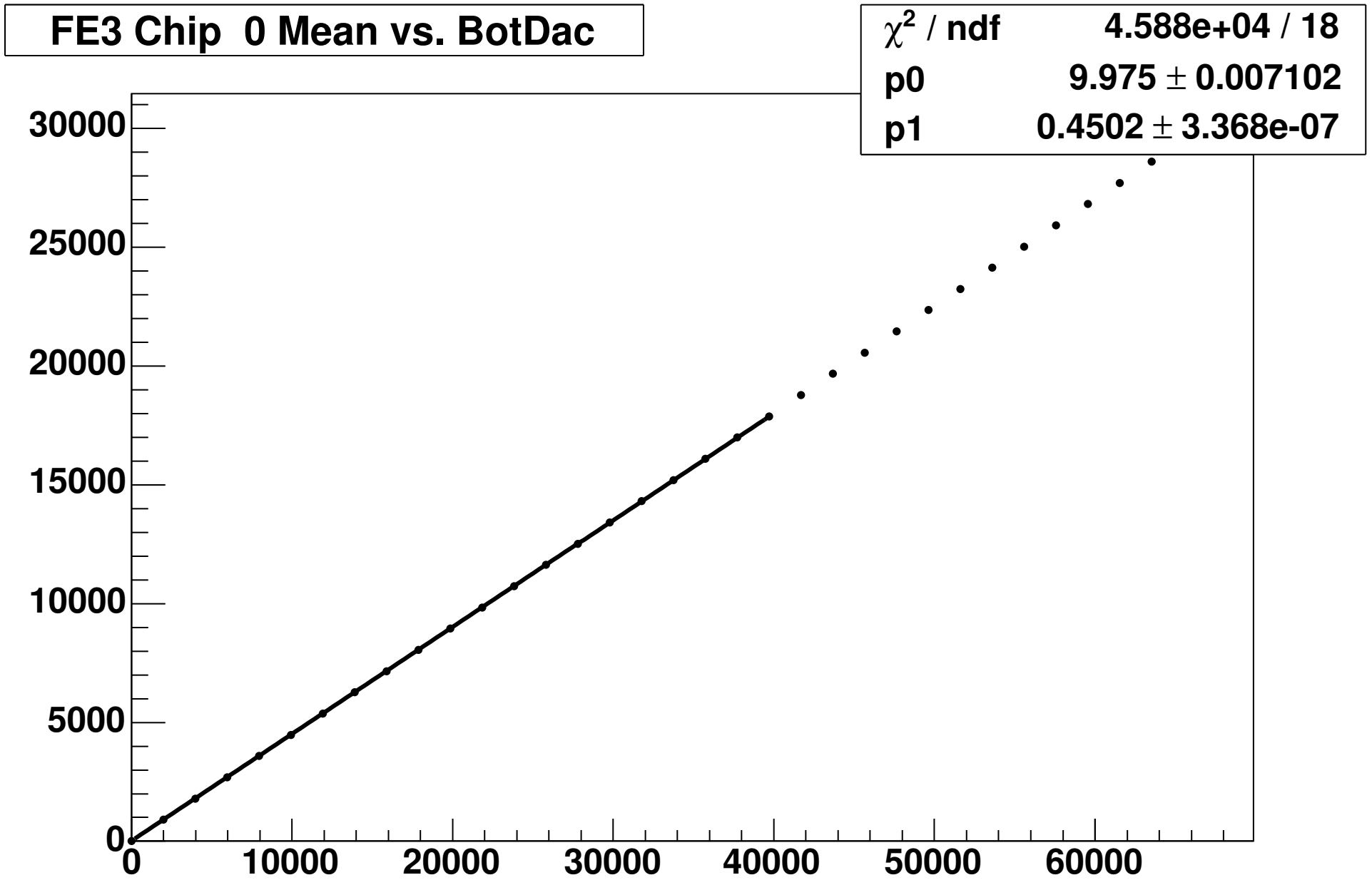
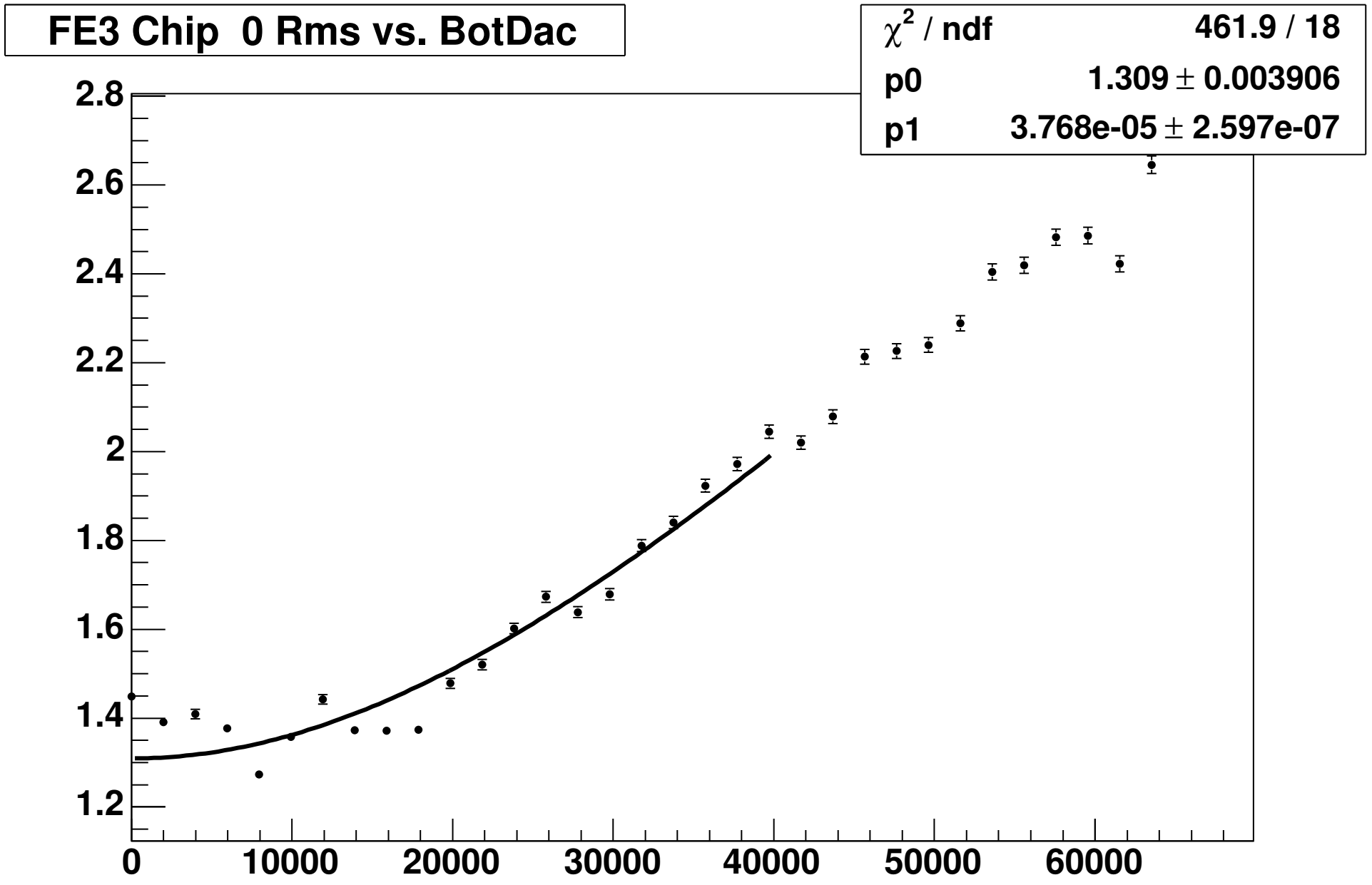
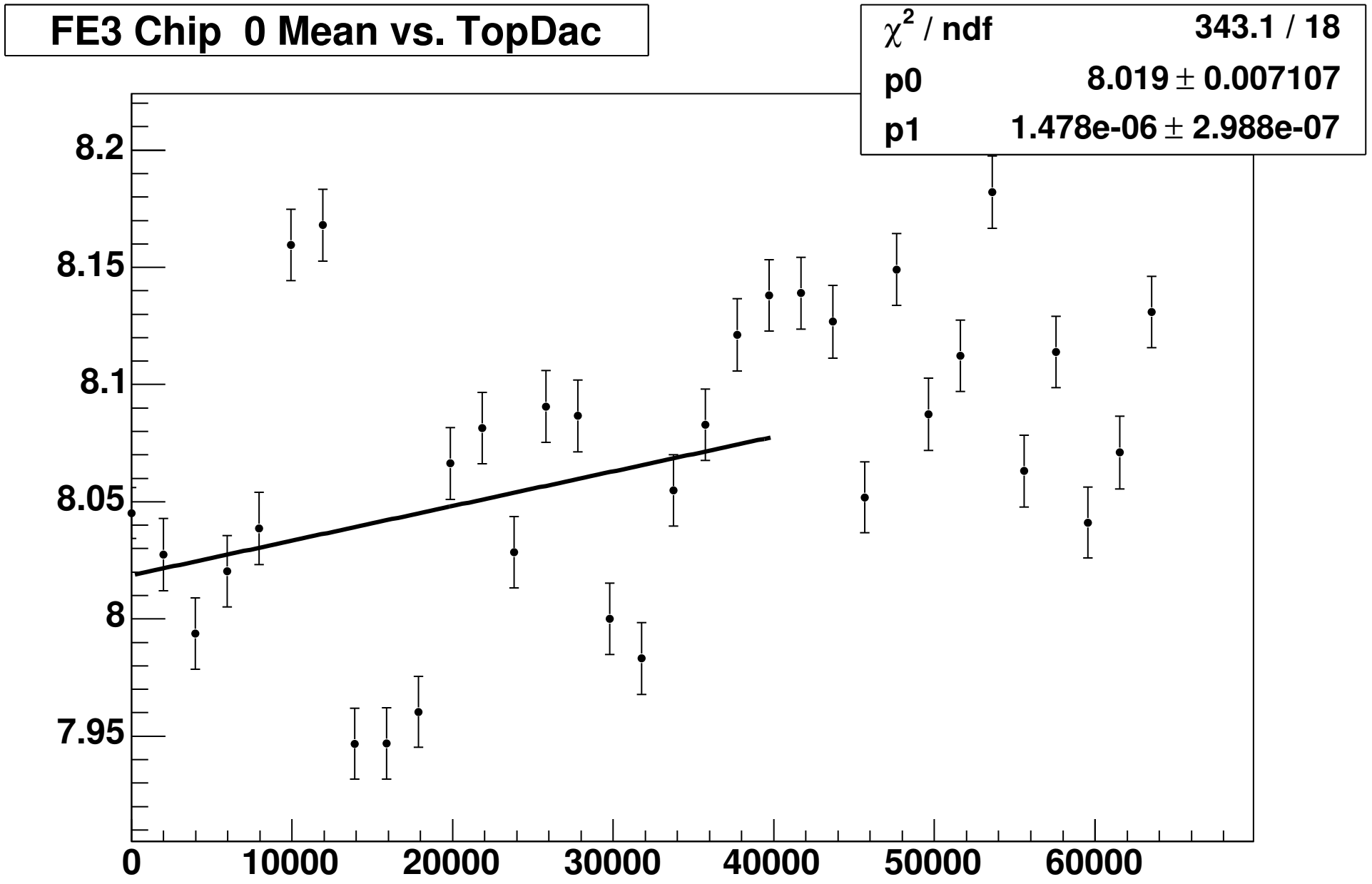
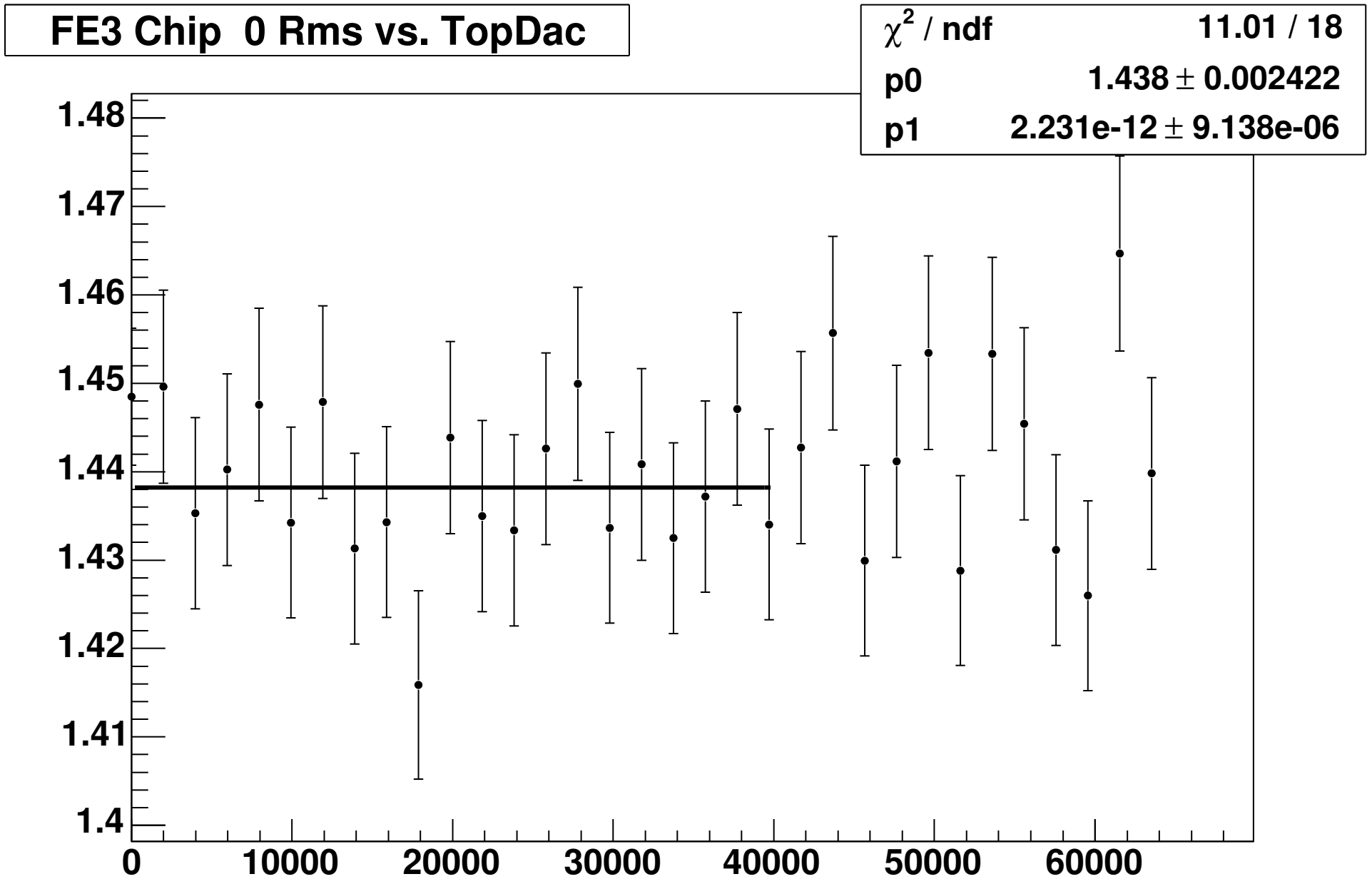

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 6.84e+04 / 18
p0 101 ± 0.007539
p1 0.4516 ± 3.554e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

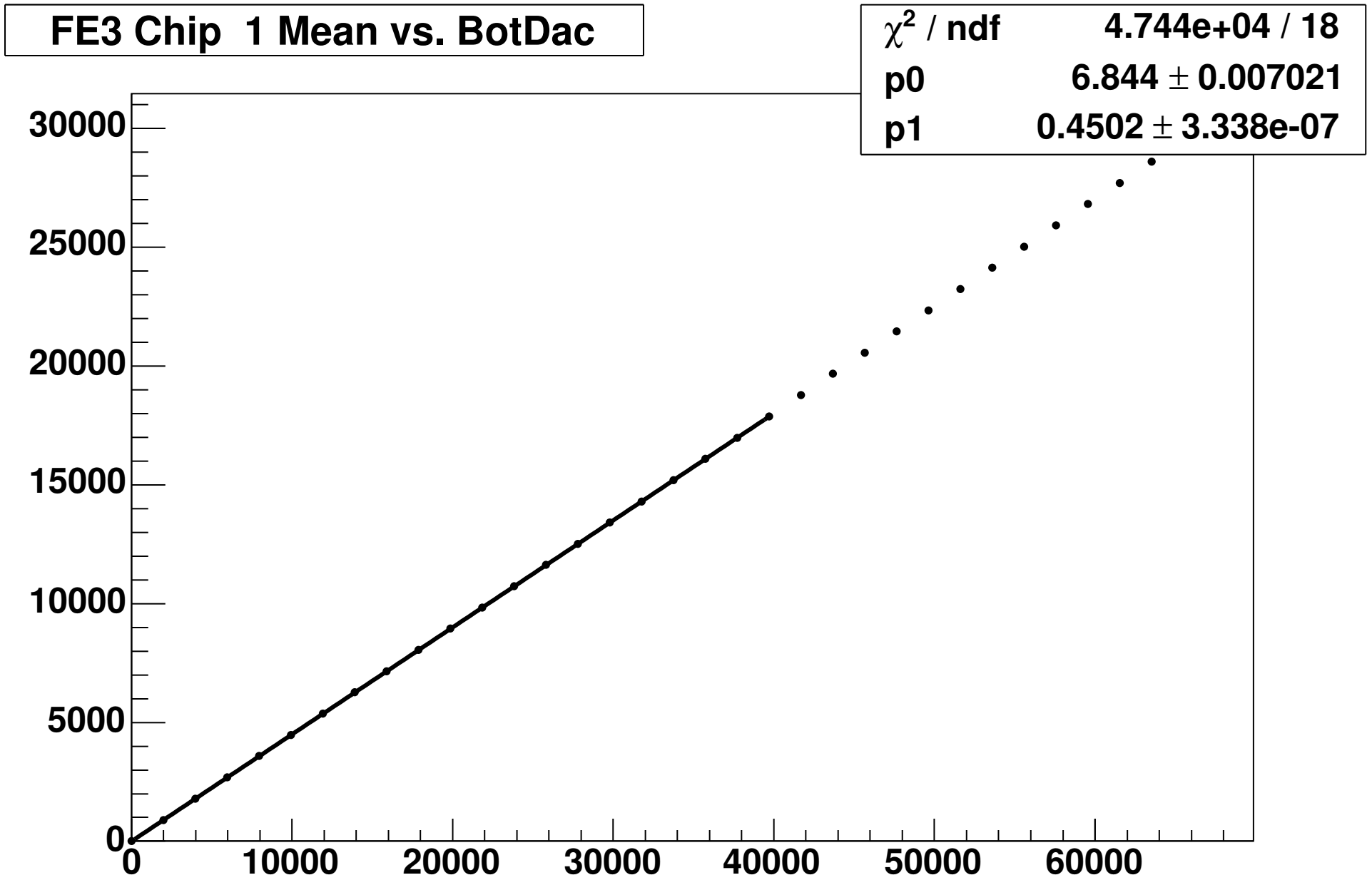

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 566 / 18
p0 1.383 ± 0.004104
p1 3.848e-05 ± 2.775e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 4.588e+04 / 18
p0 9.975 ± 0.007102
p1 0.4502 ± 3.368e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 461.9 / 18
p0 1.309 ± 0.003906
p1 3.768e-05 ± 2.597e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 343.1 / 18
p0 8.019 ± 0.007107
p1 1.478e-06 ± 2.988e-07
8.2
8.15
8.1
8.05
8
7.95
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 11.01 / 18
p0 1.438 ± 0.002422
p1 2.231e-12 ± 9.138e-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


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 4.744e+04 / 18
p0 6.844 ± 0.007021
p1 0.4502 ± 3.338e-07
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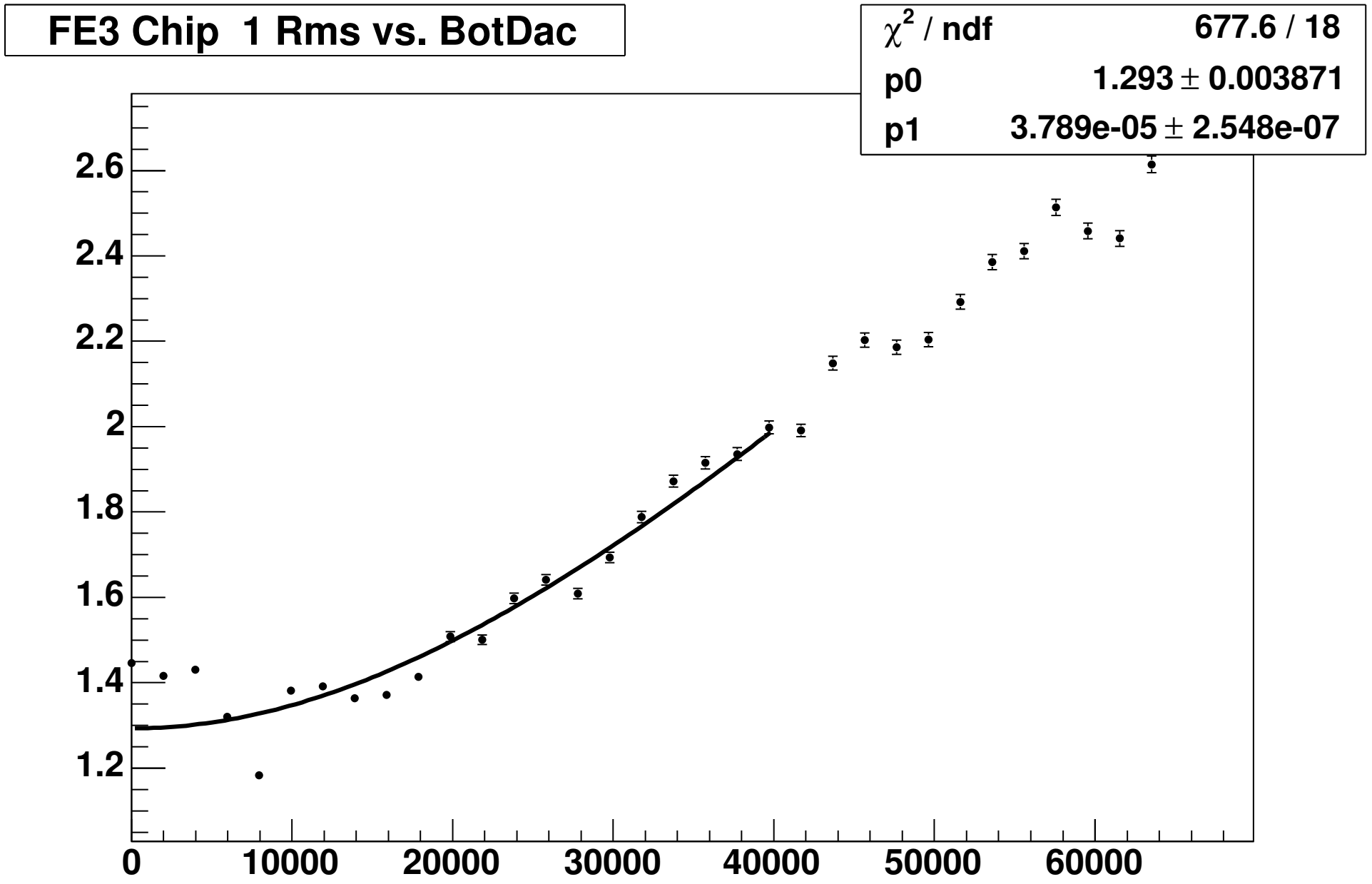
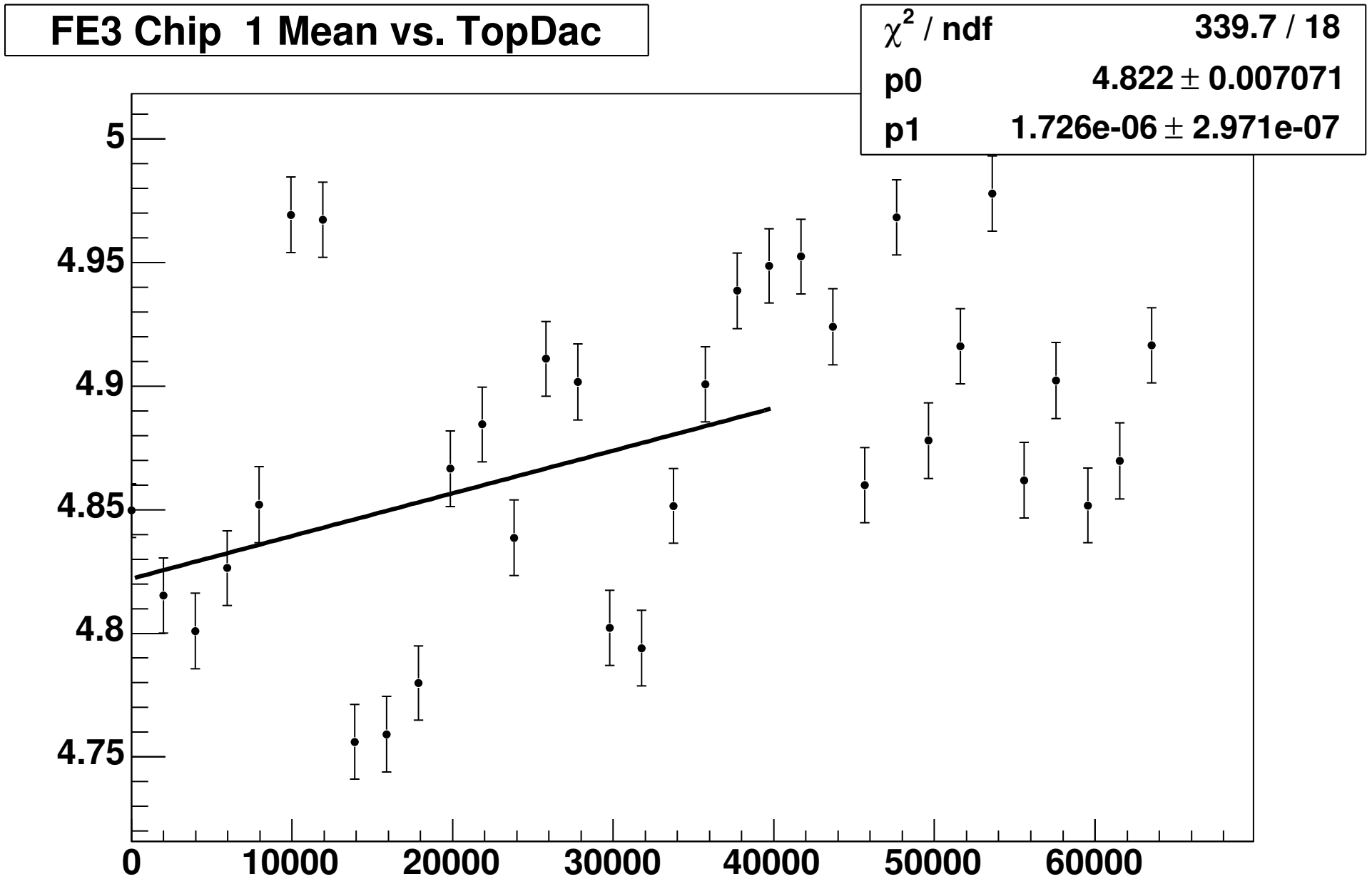
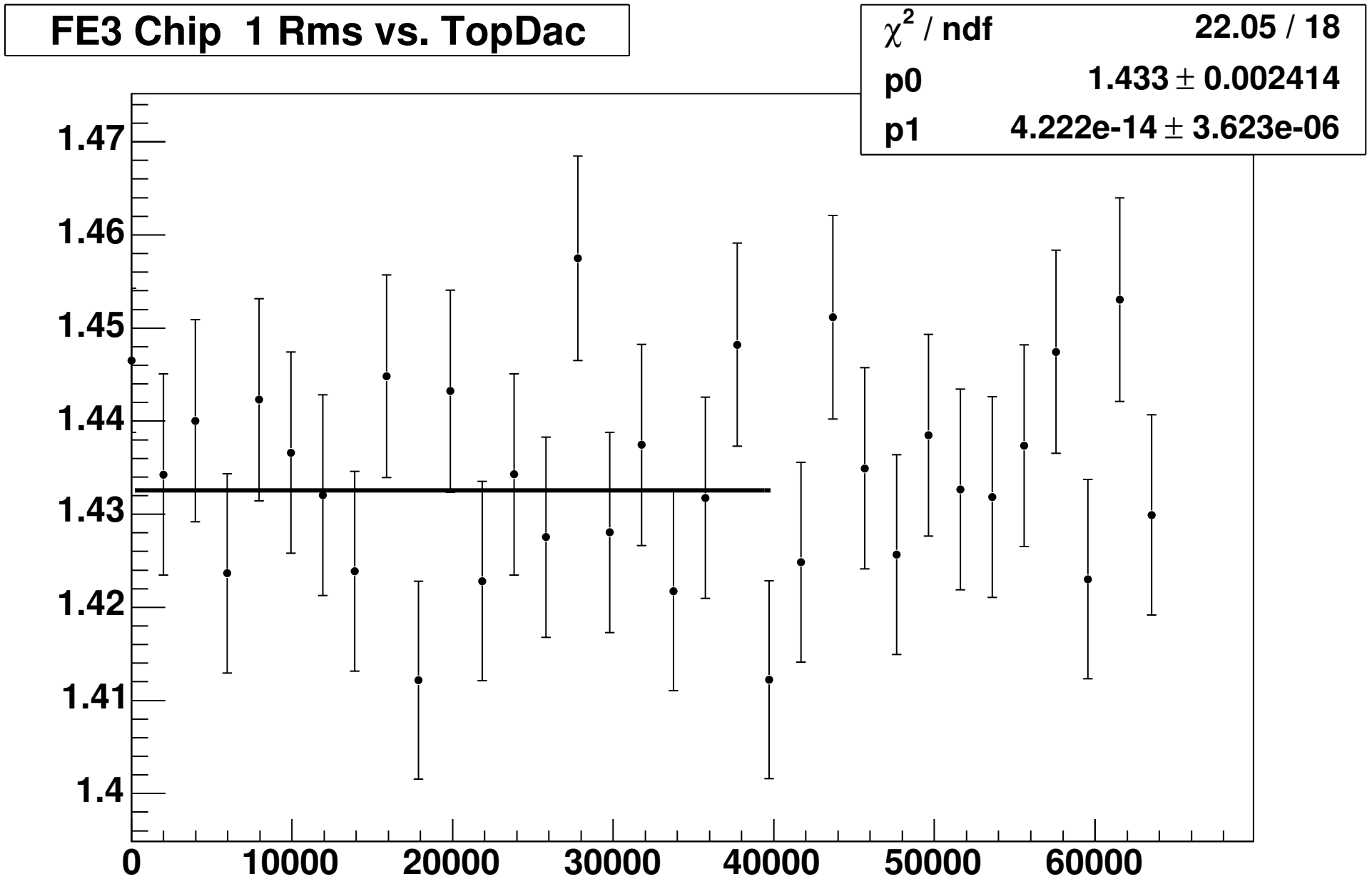
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 677.6 / 18
p0 1.293 ± 0.003871
p1 3.789e-05 ± 2.548e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 339.7 / 18
p0 4.822 ± 0.007071
p1 1.726e-06 ± 2.971e-07
5
4.95
4.9
4.85
4.8
4.75
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 22.05 / 18
p0 1.433 ± 0.002414
p1 4.222e-14 ± 3.623e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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30000
40000
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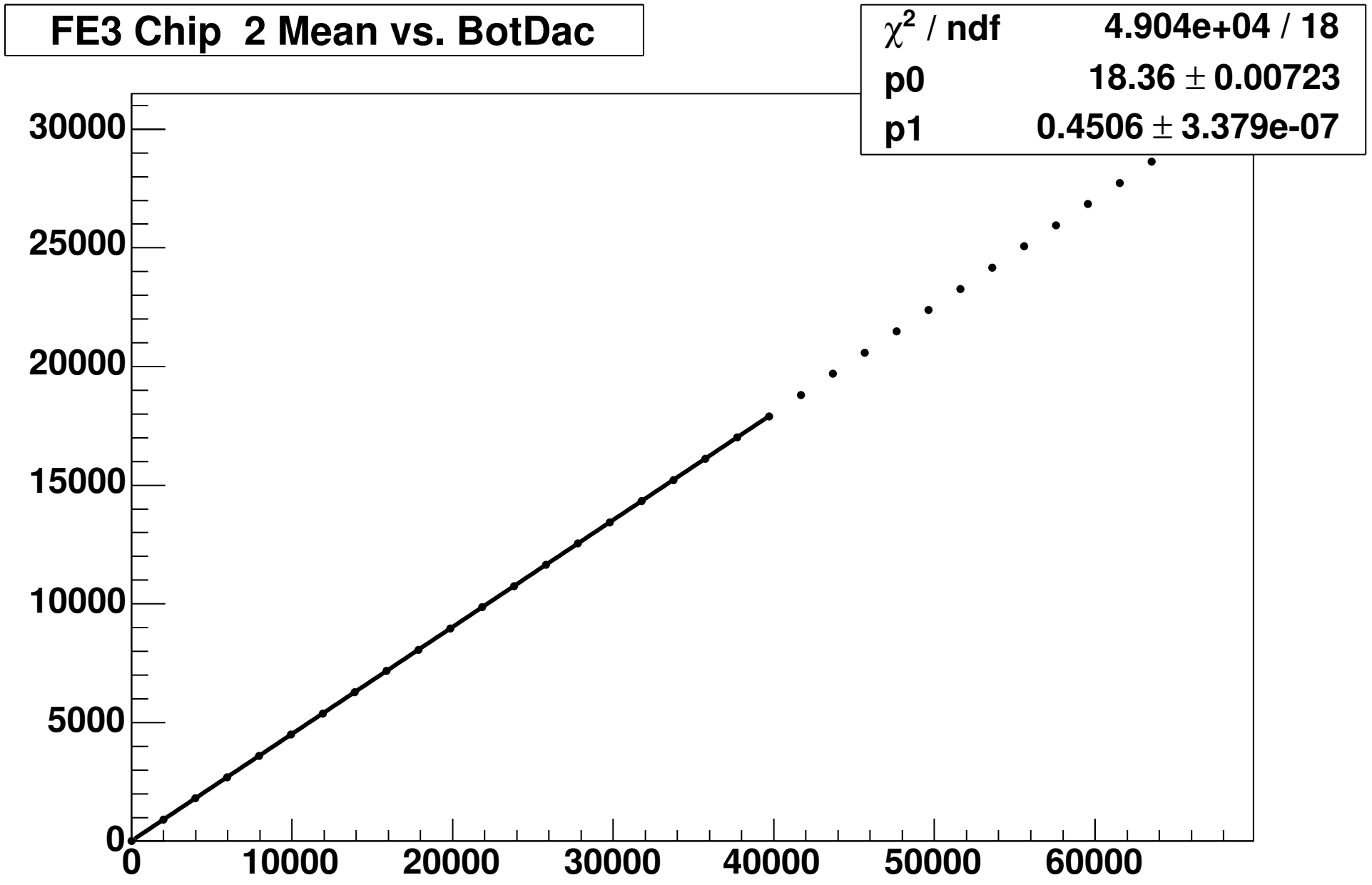
60000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 4.904e+04 / 18
p0 18.36 ± 0.00723
p1 0.4506 ± 3.379e-07
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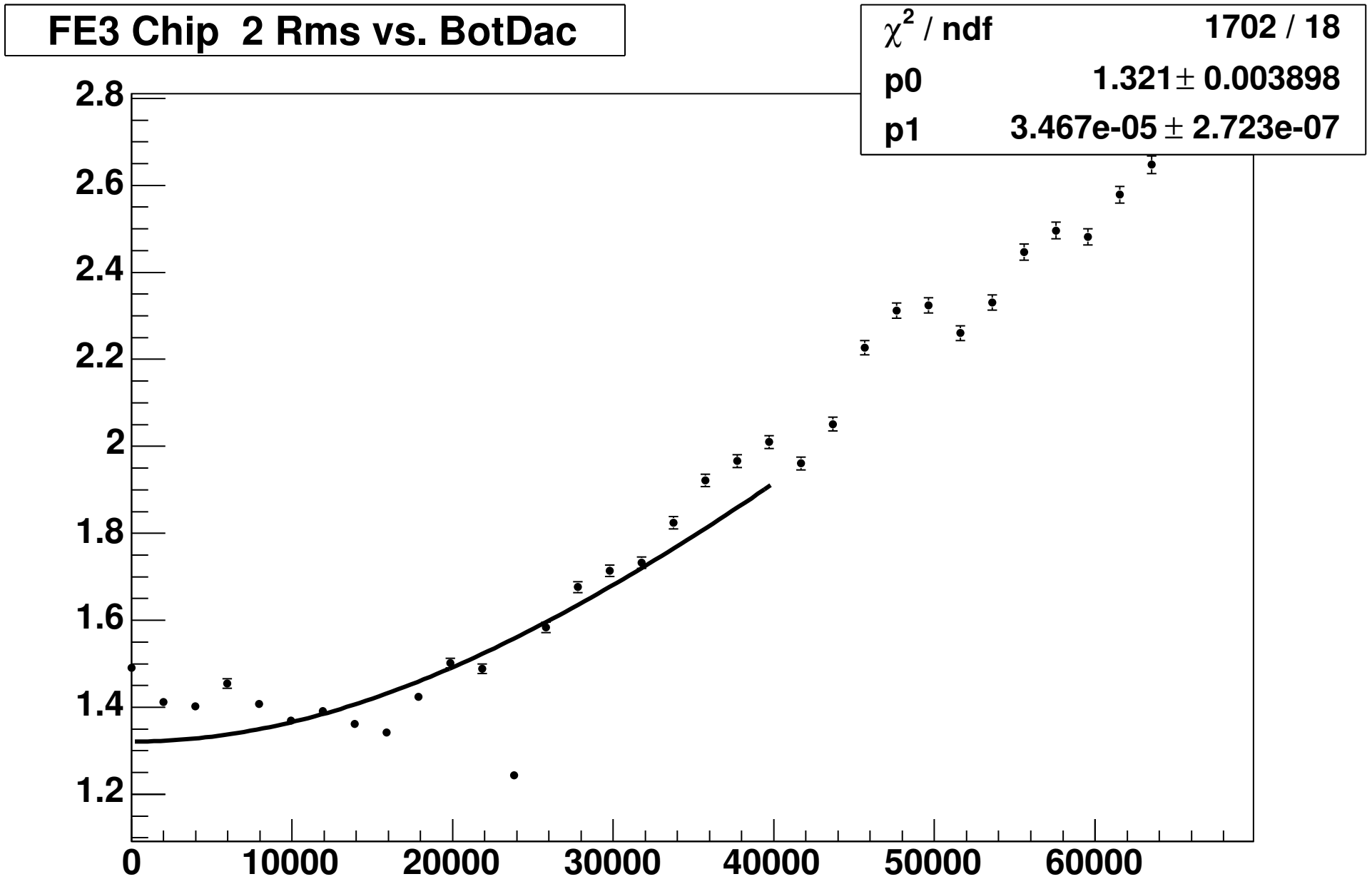
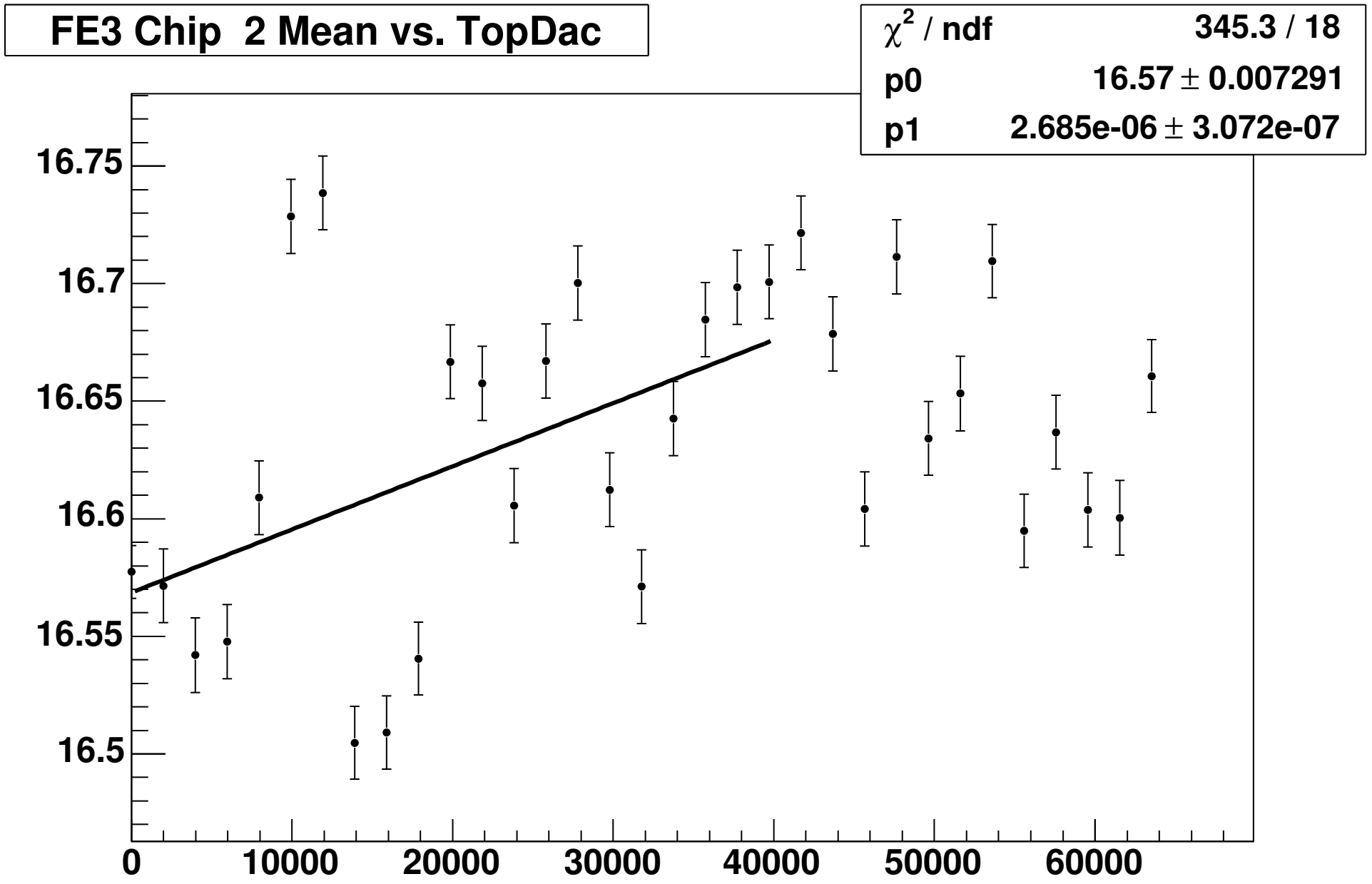
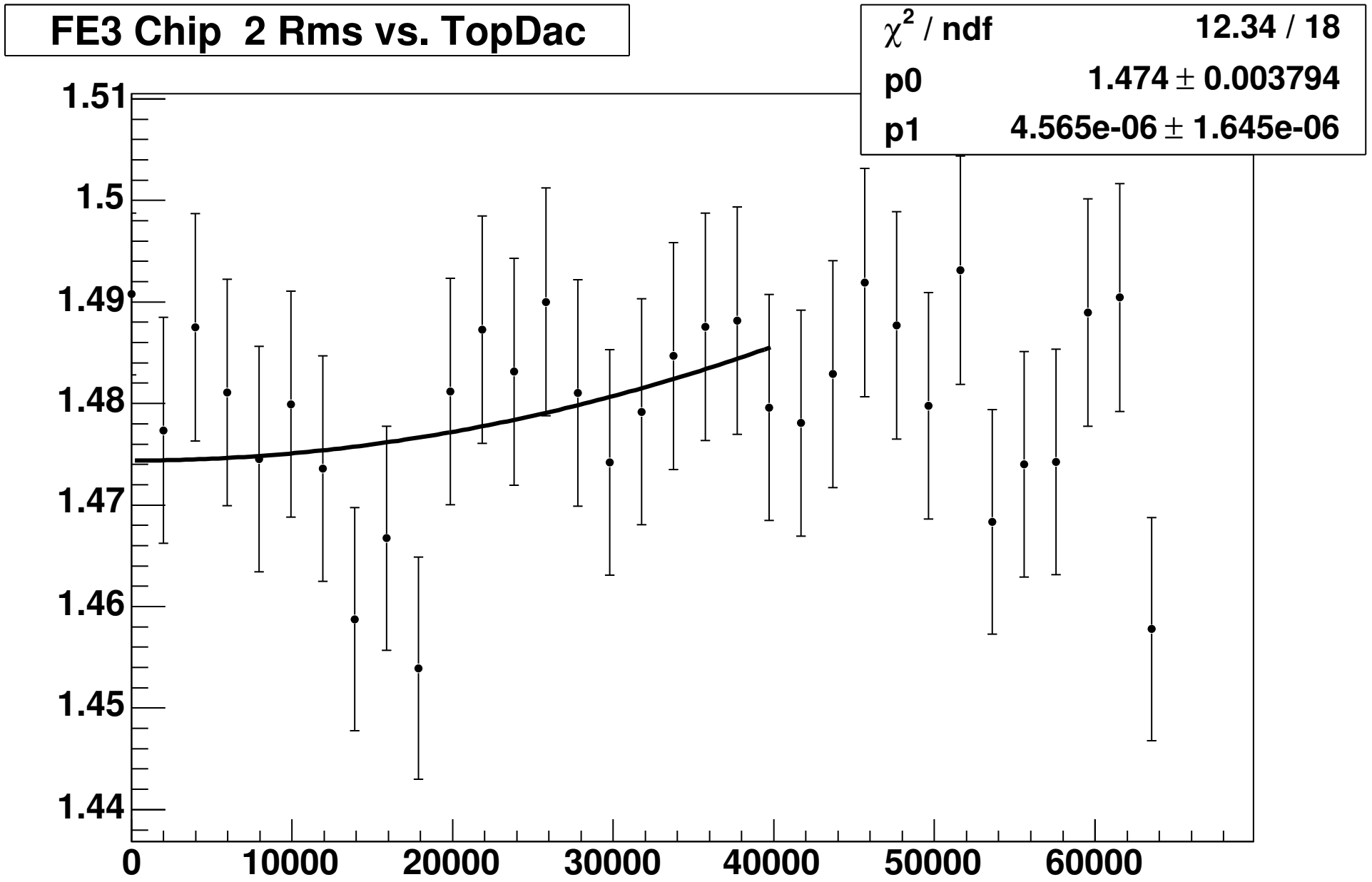
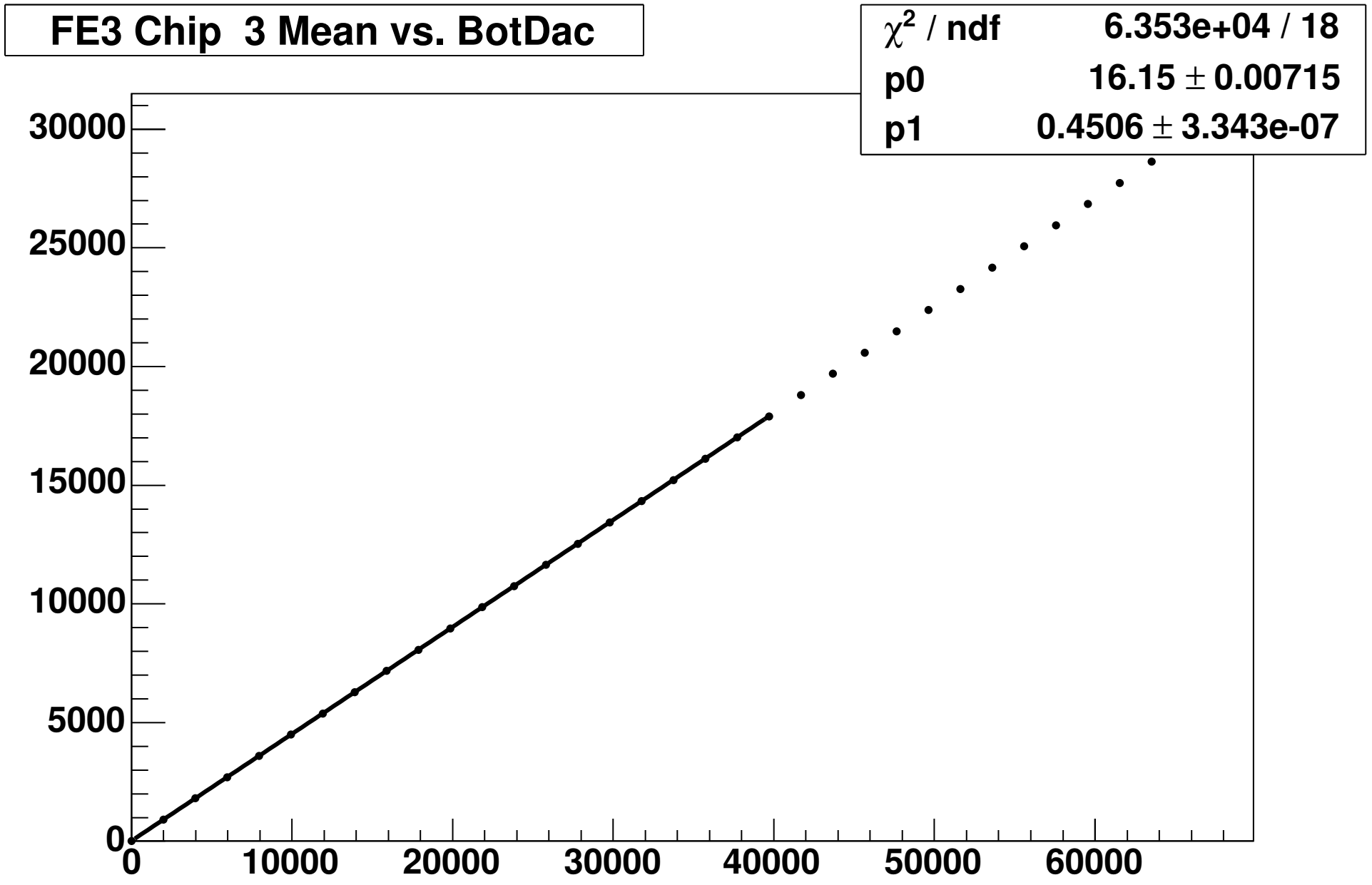
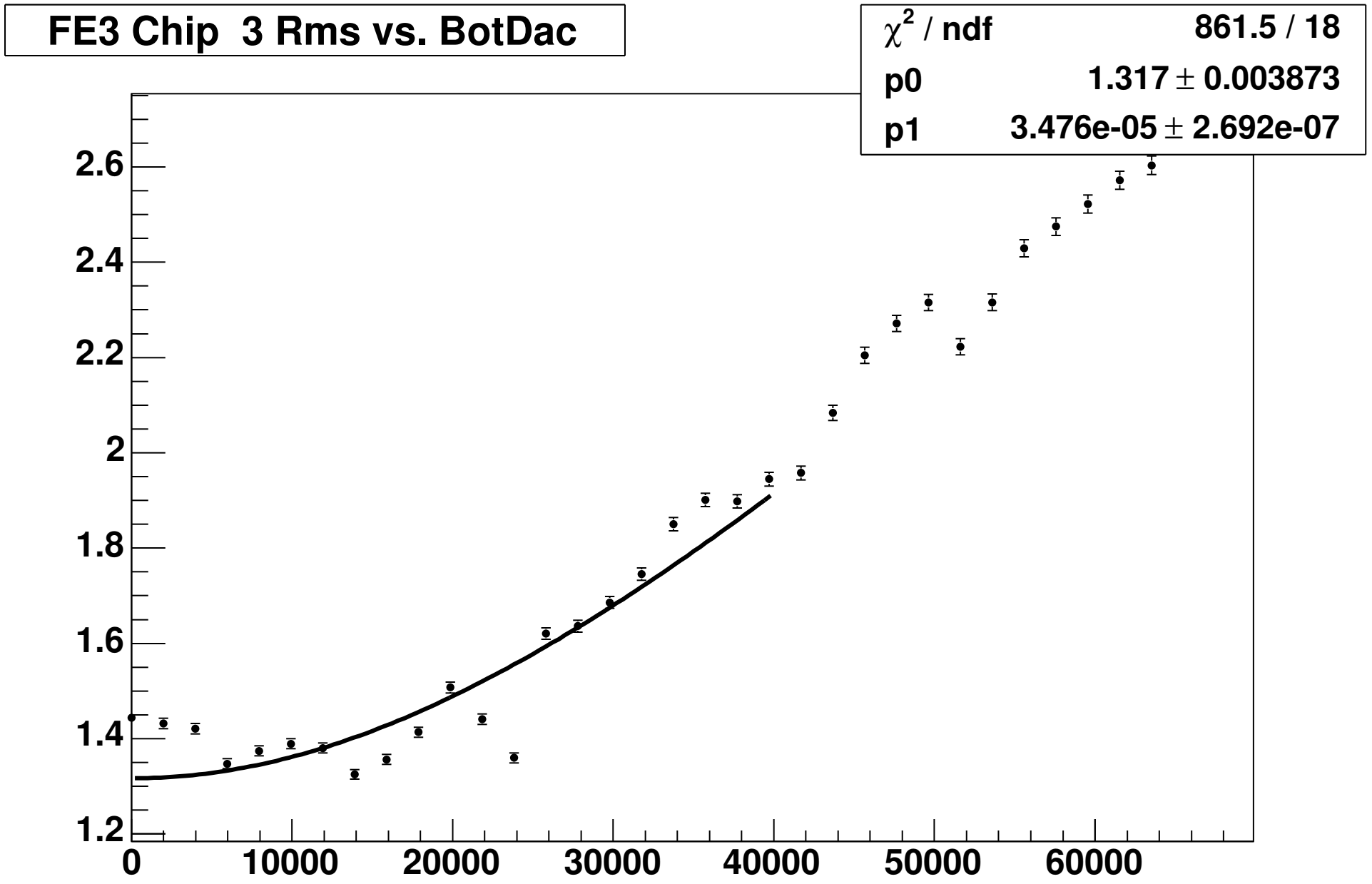
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1702 / 18
p0 1.321 ± 0.003898
p1 3.467e-05 ± 2.723e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 345.3 / 18
p0 16.57 ± 0.007291
p1 2.685e-06 ± 3.072e-07
16.75
16.7
16.65
16.6
16.55
16.5
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 12.34 / 18
p0 1.474 ± 0.003794
p1 4.565e-06 ± 1.645e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 6.353e+04 / 18
p0 16.15 ± 0.00715
p1 0.4506 ± 3.343e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 861.5 / 18
p0 1.317 ± 0.003873
p1 3.476e-05 ± 2.692e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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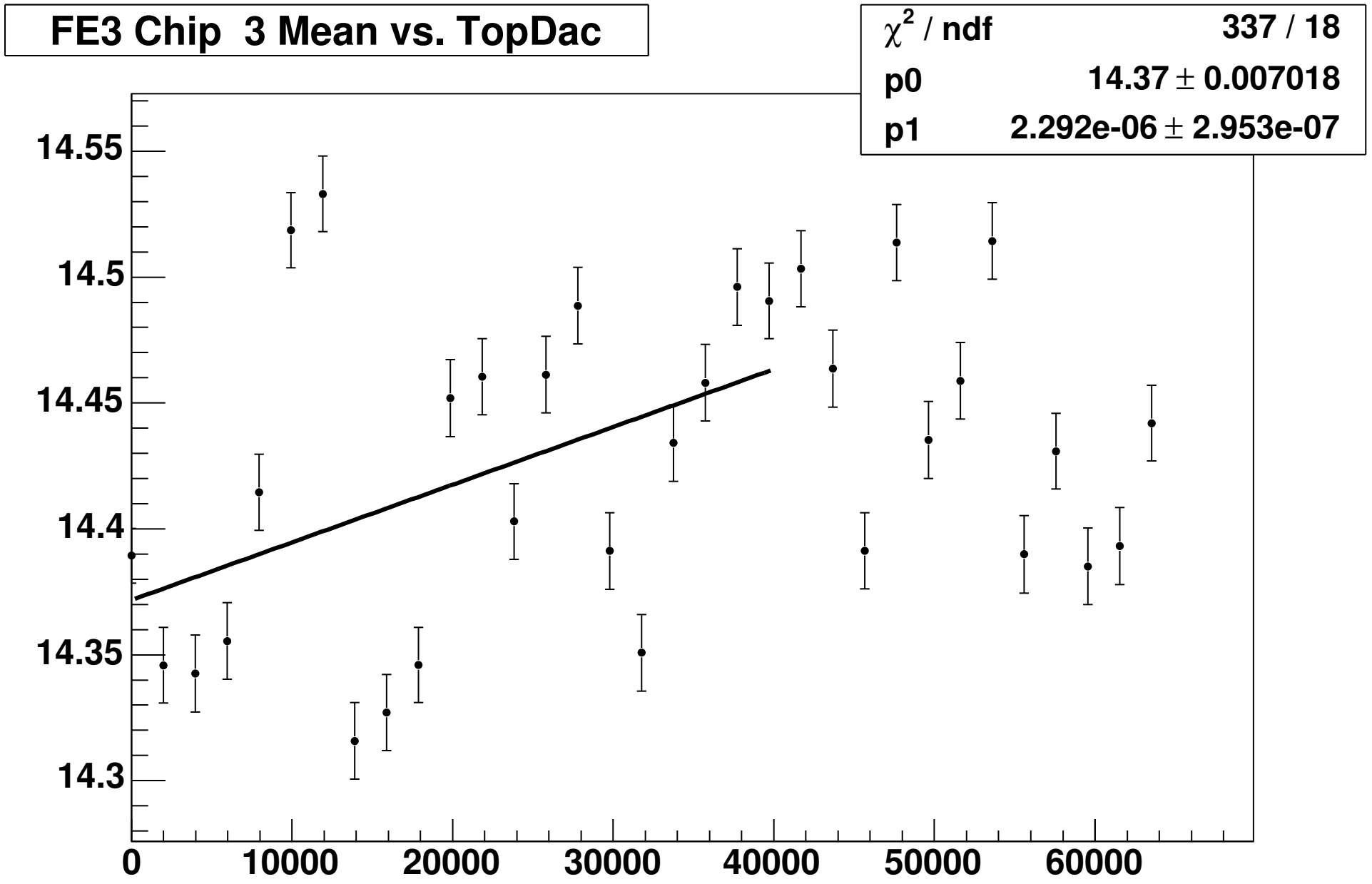
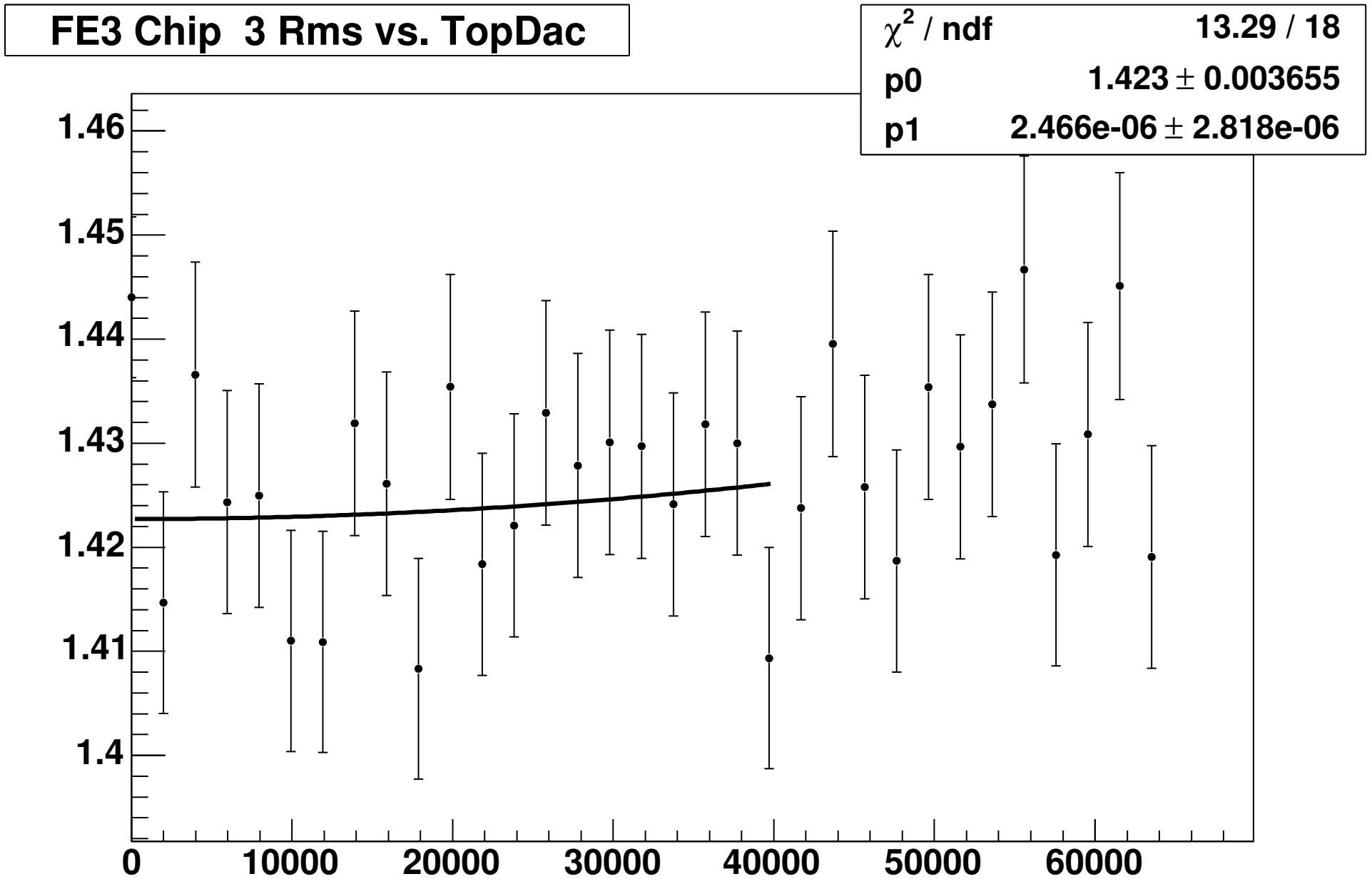
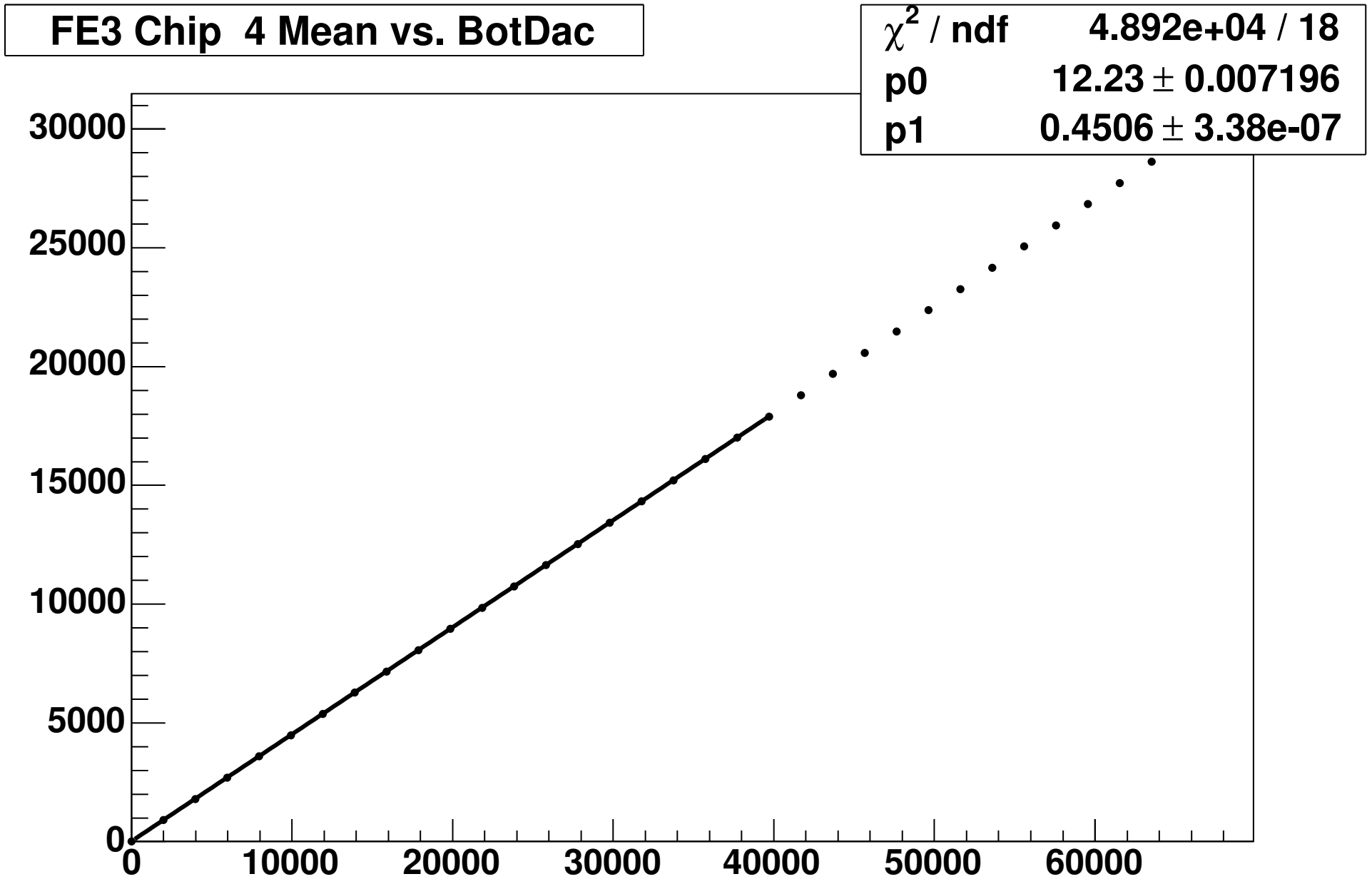
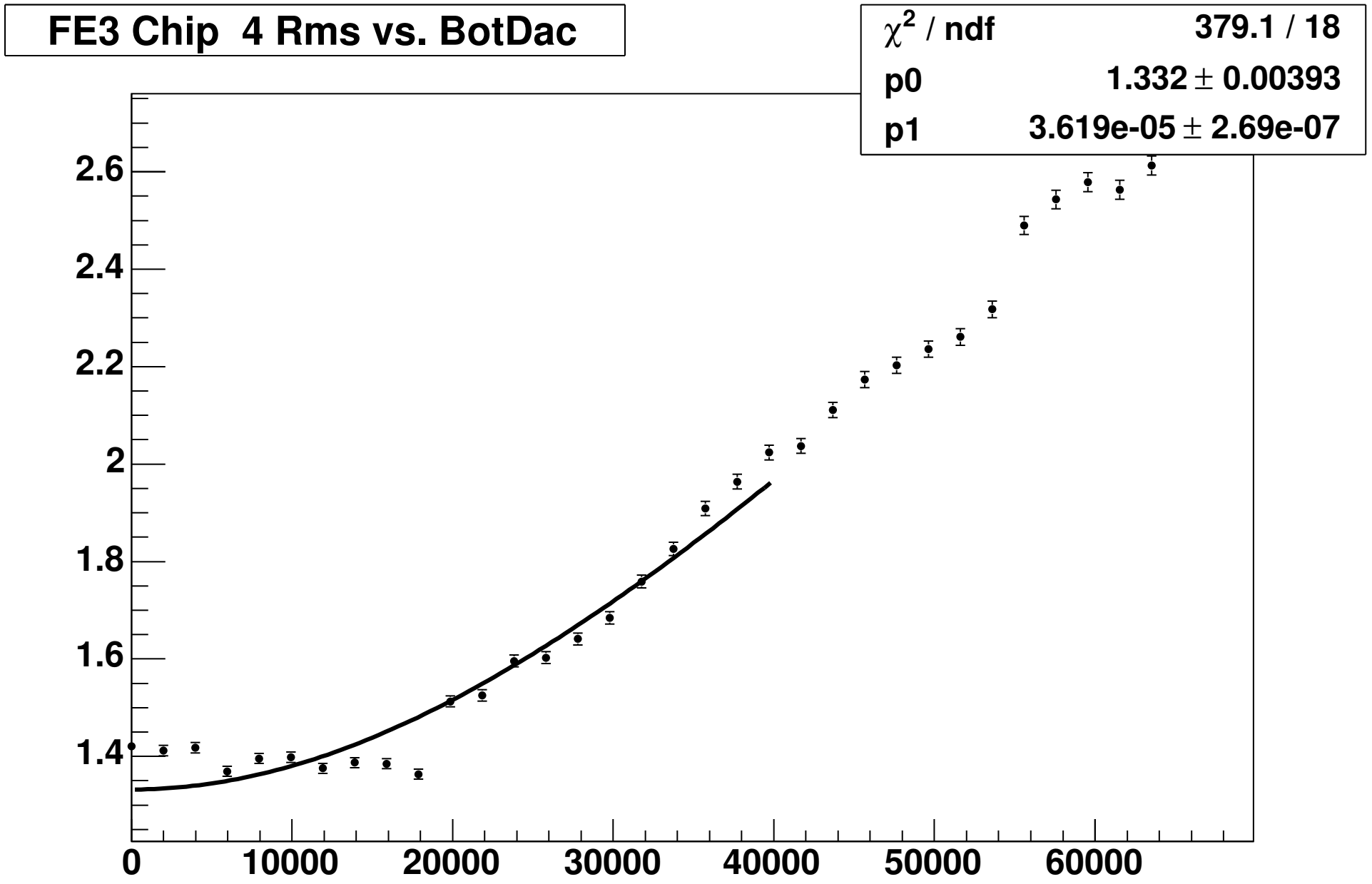
30000
40000
50000
60000


FE3 Chip 3 Mean vs. TopDac
χ^2 / ndf 337 / 18
p0 14.37 ± 0.007018
p1 2.292e-06 ± 2.953e-07
14.55
14.5
14.45
14.4
14.35
14.3
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 13.29 / 18
p0 1.423 ± 0.003655
p1 2.466e-06 ± 2.818e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 4.892e+04 / 18
p0 12.23 ± 0.007196
p1 0.4506 ± 3.38e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 379.1 / 18
p0 1.332 ± 0.00393
p1 3.619e-05 ± 2.69e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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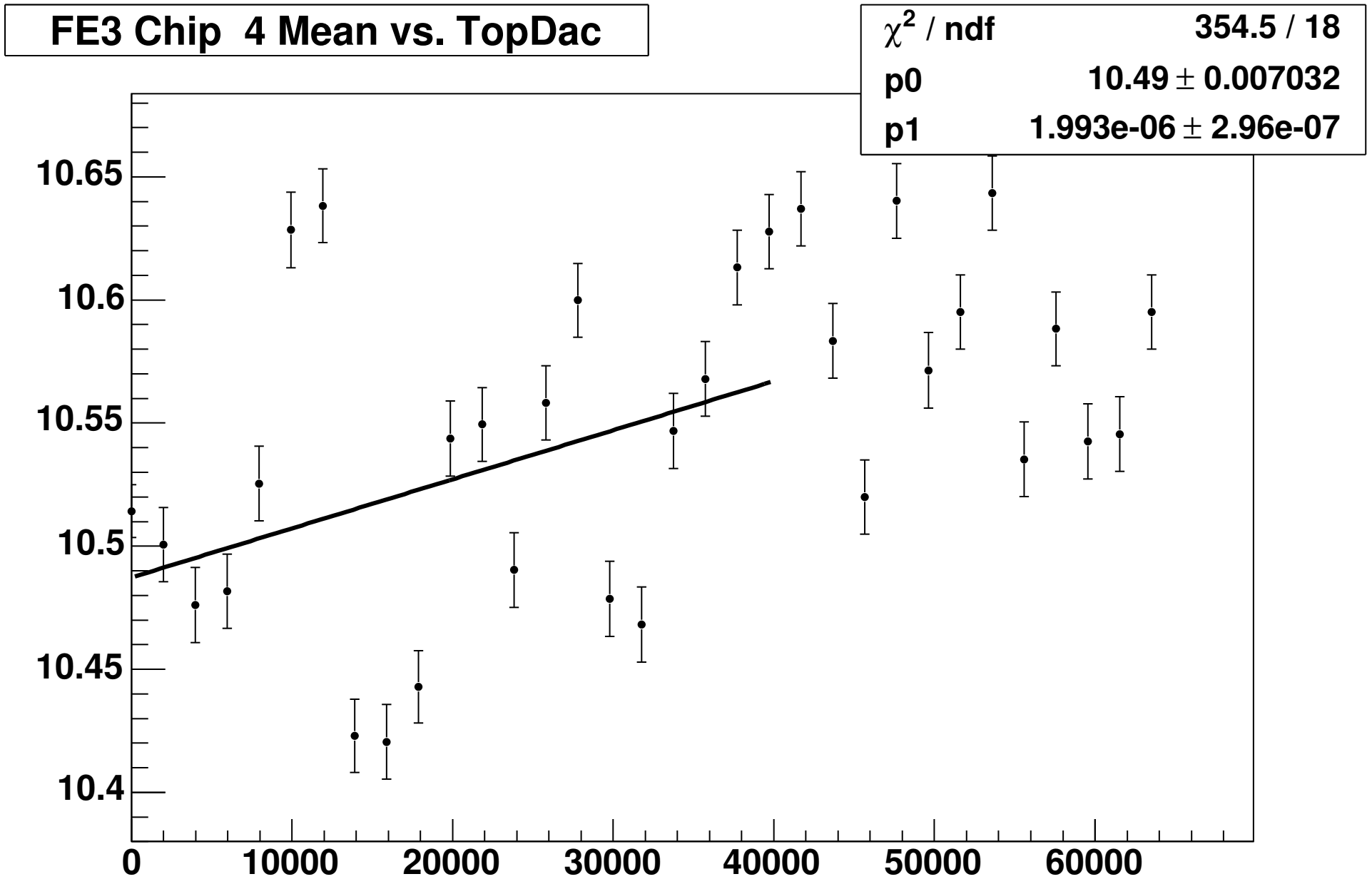
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 354.5 / 18
p0 10.49 ± 0.007032
p1 1.993e-06 ± 2.96e-07
10.65
10.6
10.55
10.5
10.45
10.4
0
10000
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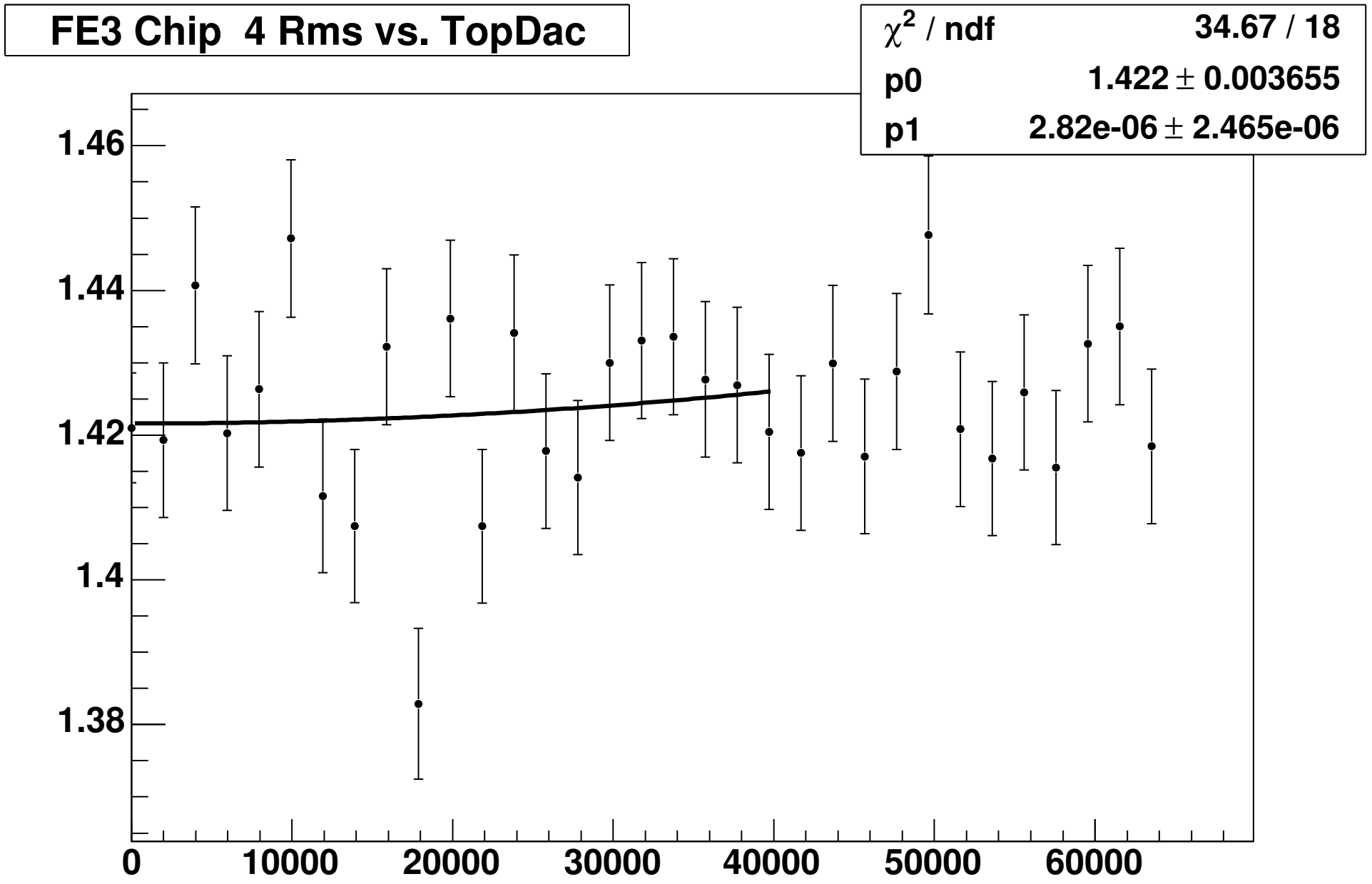
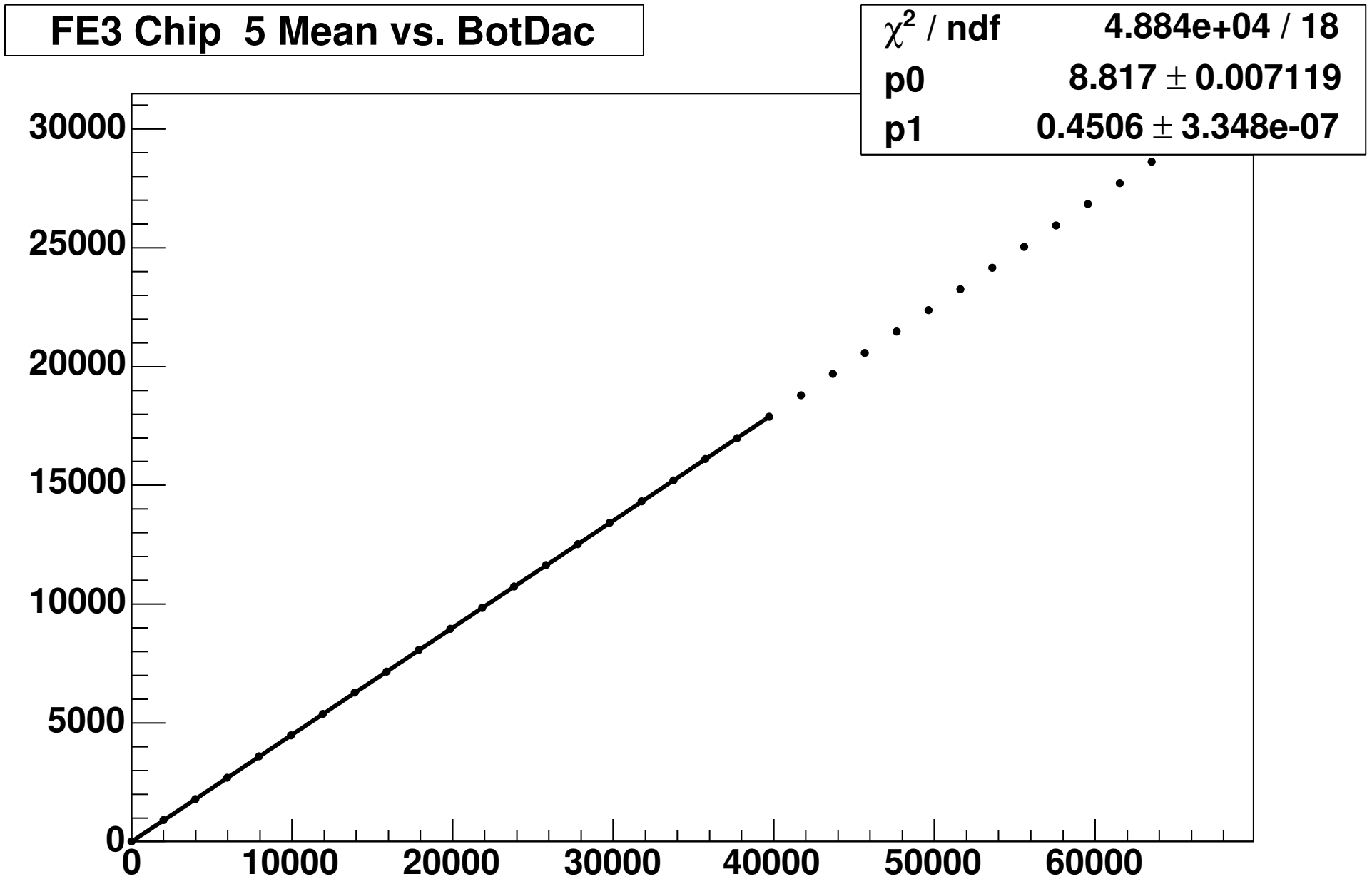
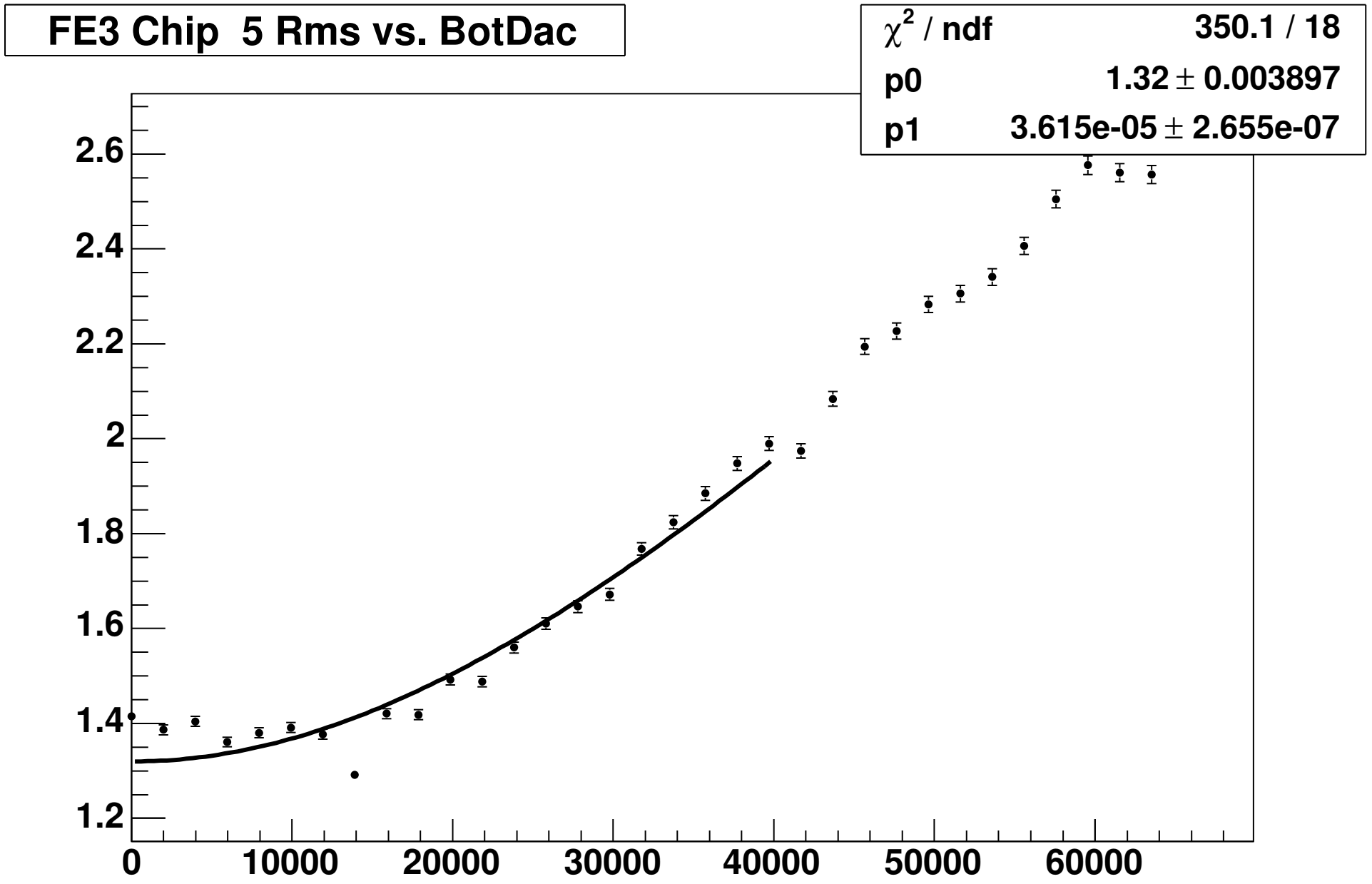

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 34.67 / 18
p0 1.422 ± 0.003655
p1 2.82e-06 ± 2.465e-06
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 4.884e+04 / 18
p0 8.817 ± 0.007119
p1 0.4506 ± 3.348e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 350.1 / 18
p0 1.32 ± 0.003897
p1 3.615e-05 ± 2.655e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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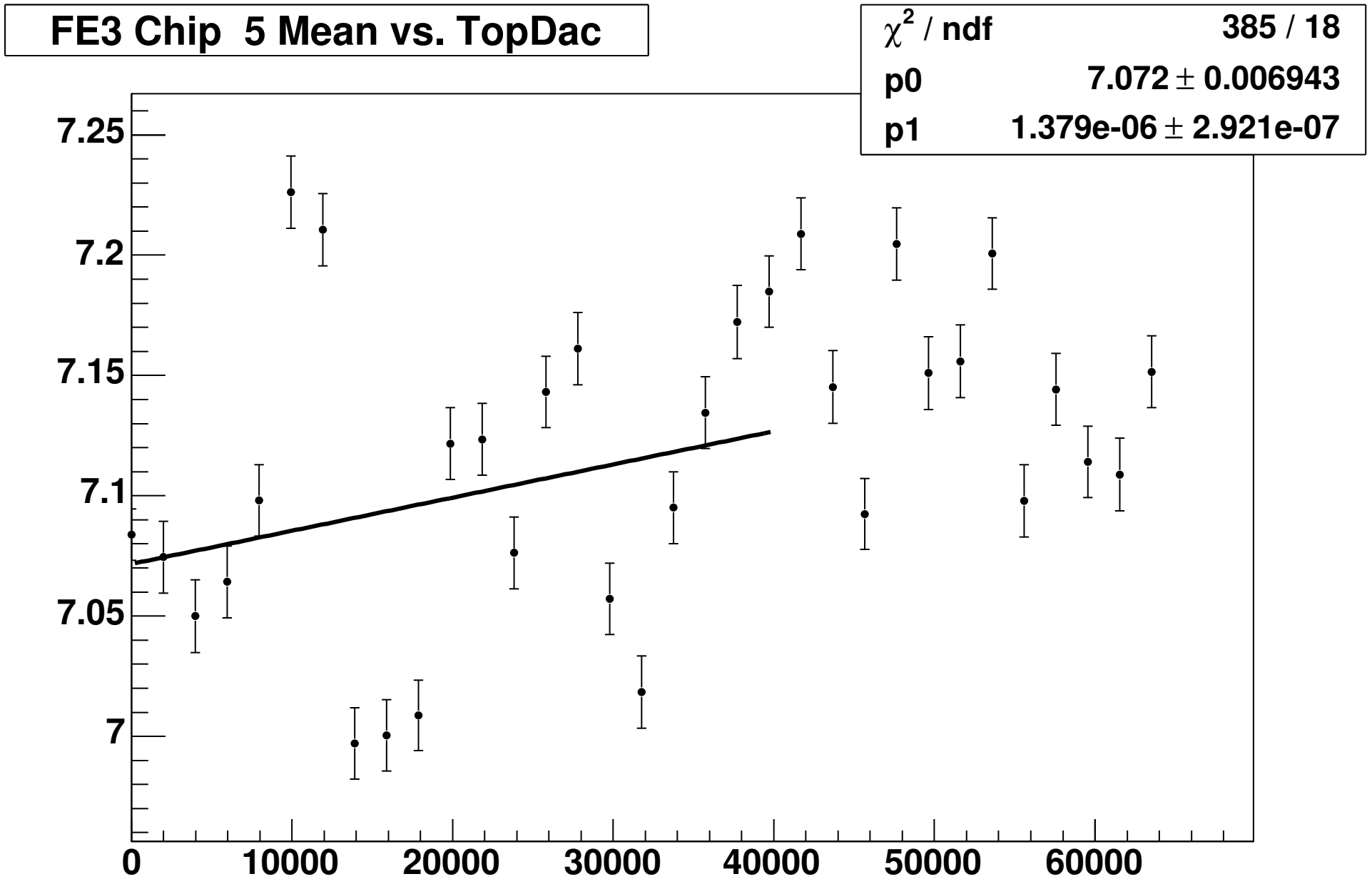
60000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 385 / 18
p0 7.072 ± 0.006943
p1 1.379e-06 ± 2.921e-07
7.25
7.2
7.15
7.1
7.05
7
0
10000
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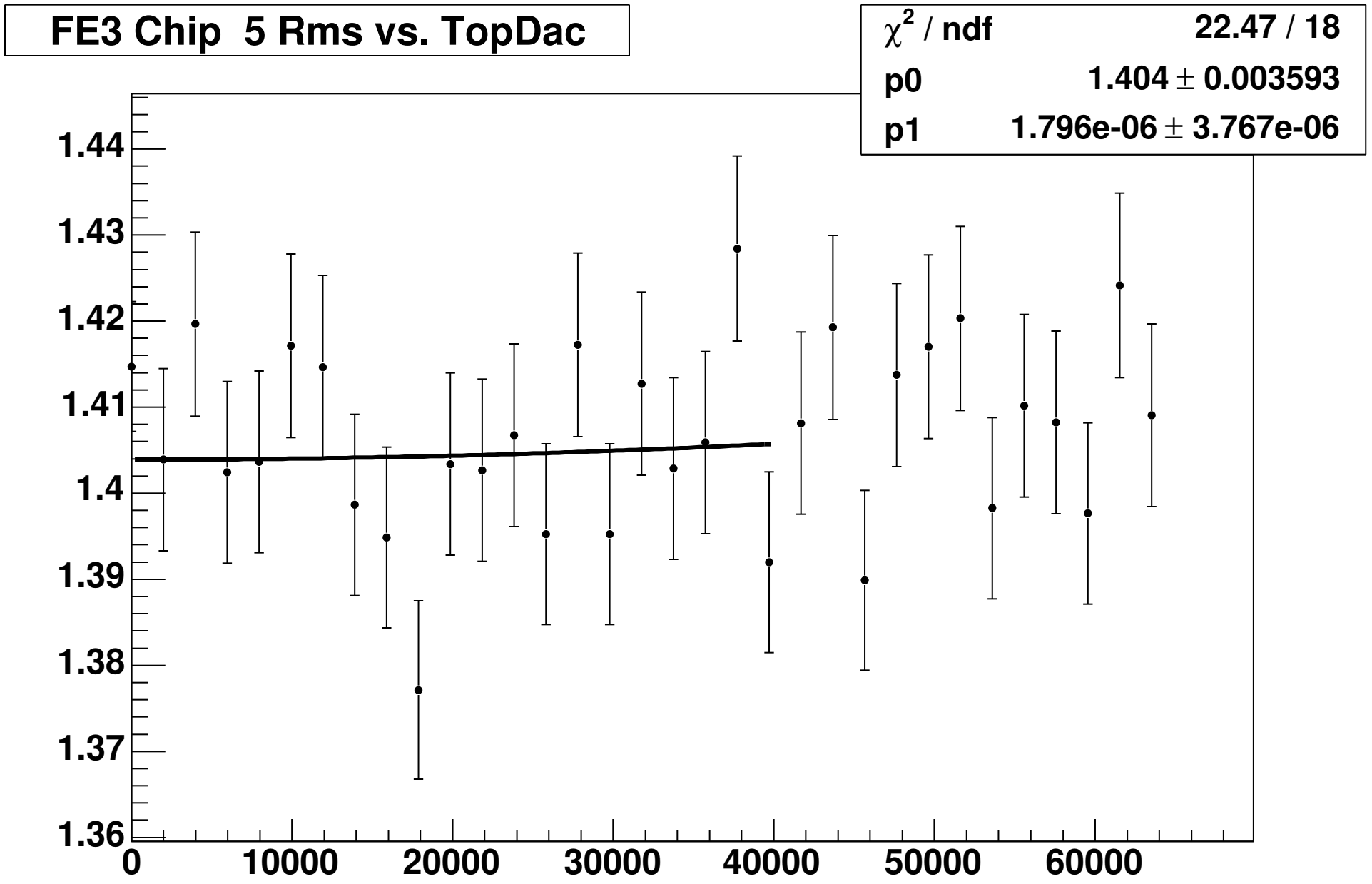
60000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 22.47 / 18
p0 1.404 ± 0.003593
p1 1.796e-06 ± 3.767e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
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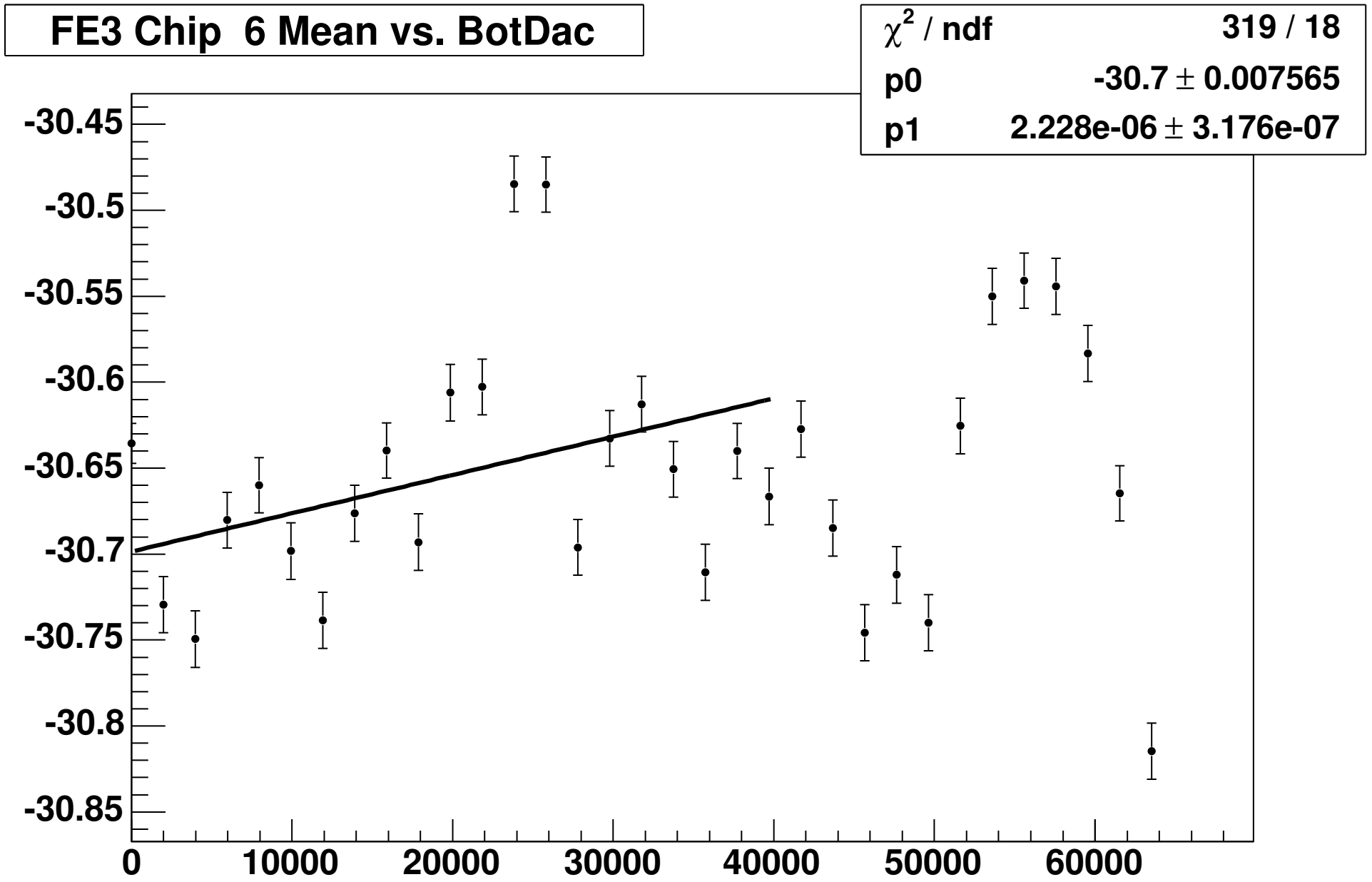
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 319 / 18
p0 -30.7 ± 0.007565
p1 2.228e-06 ± 3.176e-07
-30.45
-30.5
-30.55
-30.6
-30.65
-30.7
-30.75
-30.8
-30.85
0
10000
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30000
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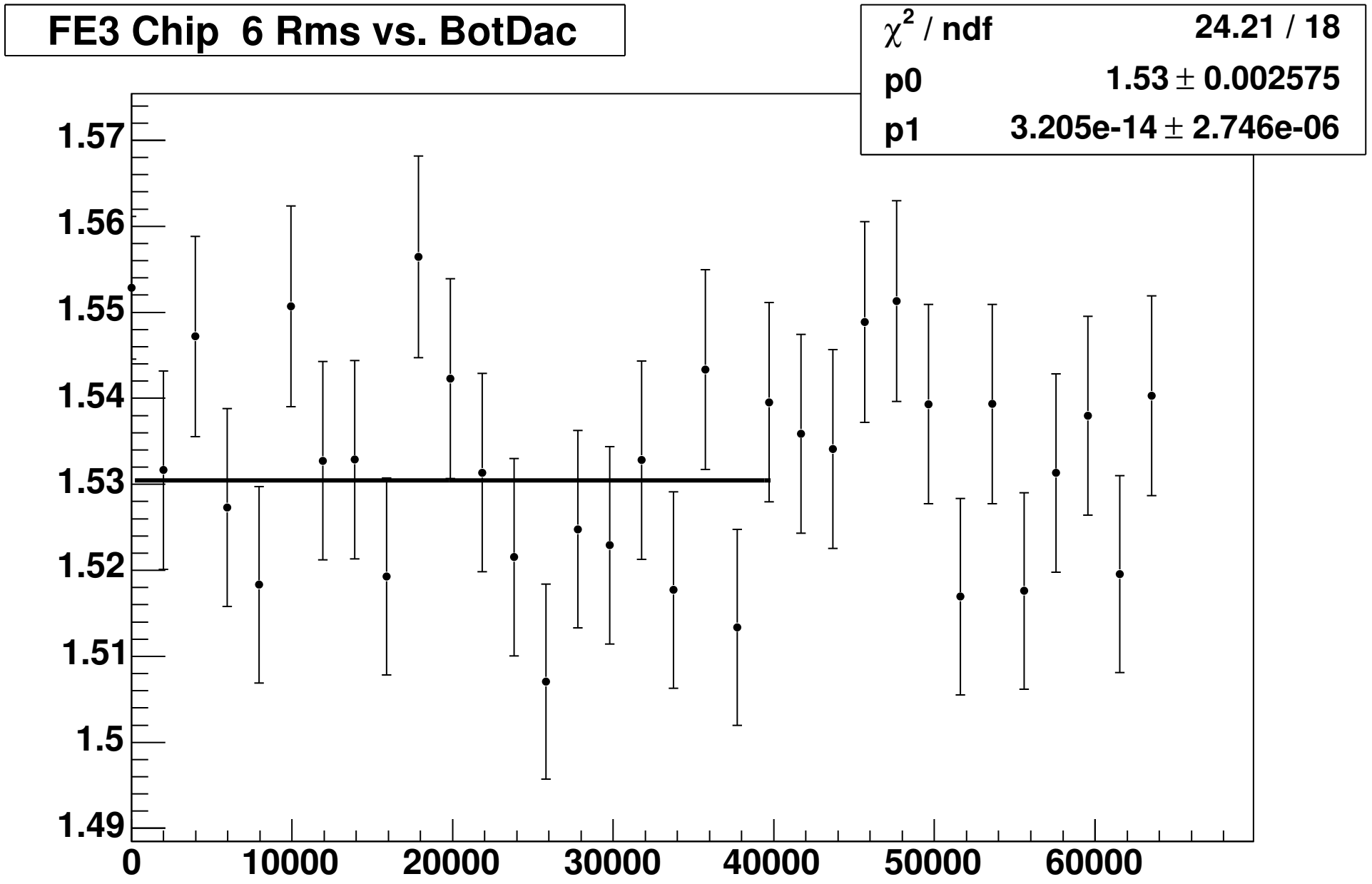
50000
60000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 24.21 / 18
p0 1.53 ± 0.002575
p1 3.205e-14 ± 2.746e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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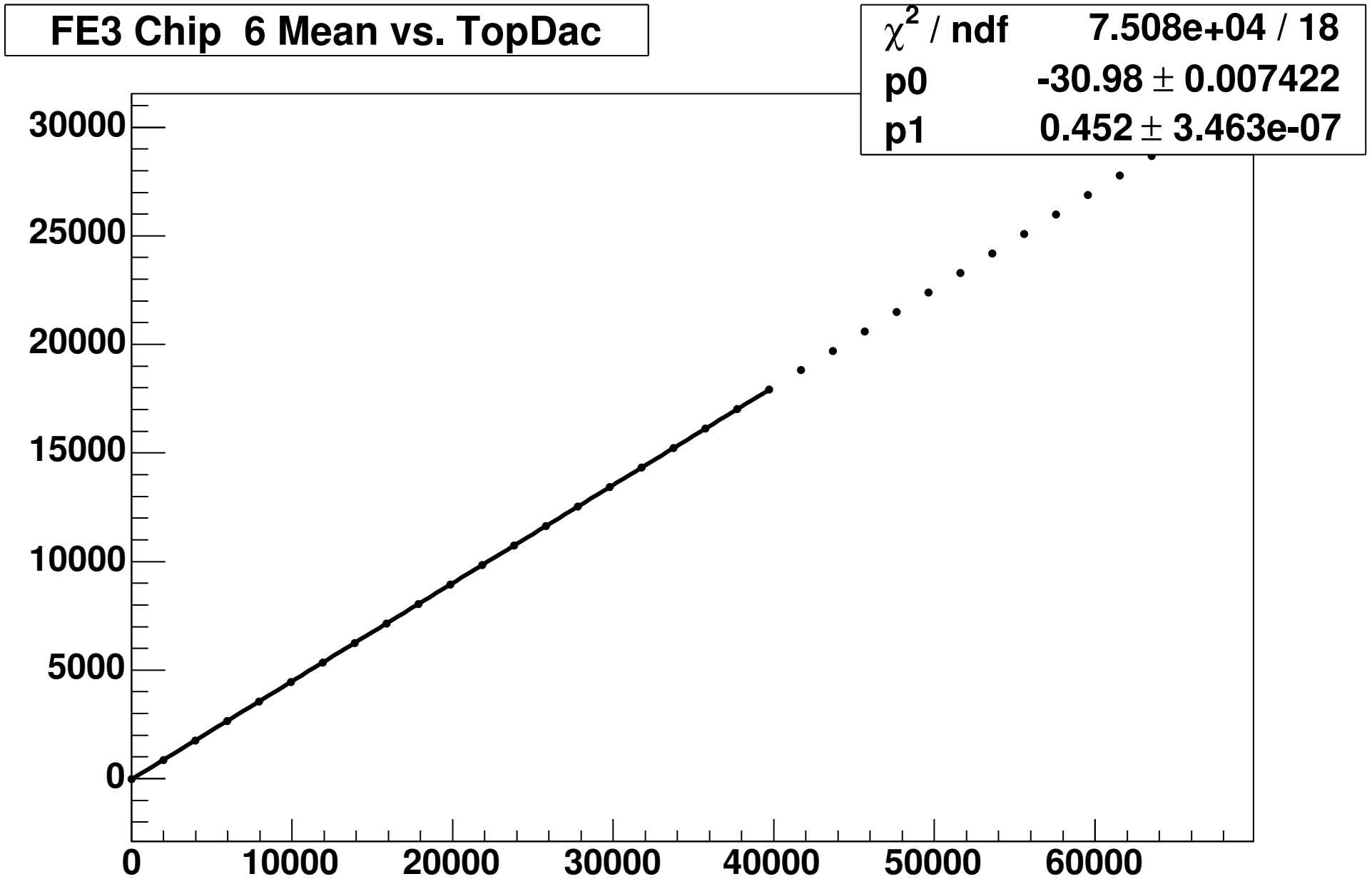
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 7.508e+04 / 18
p0 -30.98 ± 0.007422
p1 0.452 ± 3.463e-07
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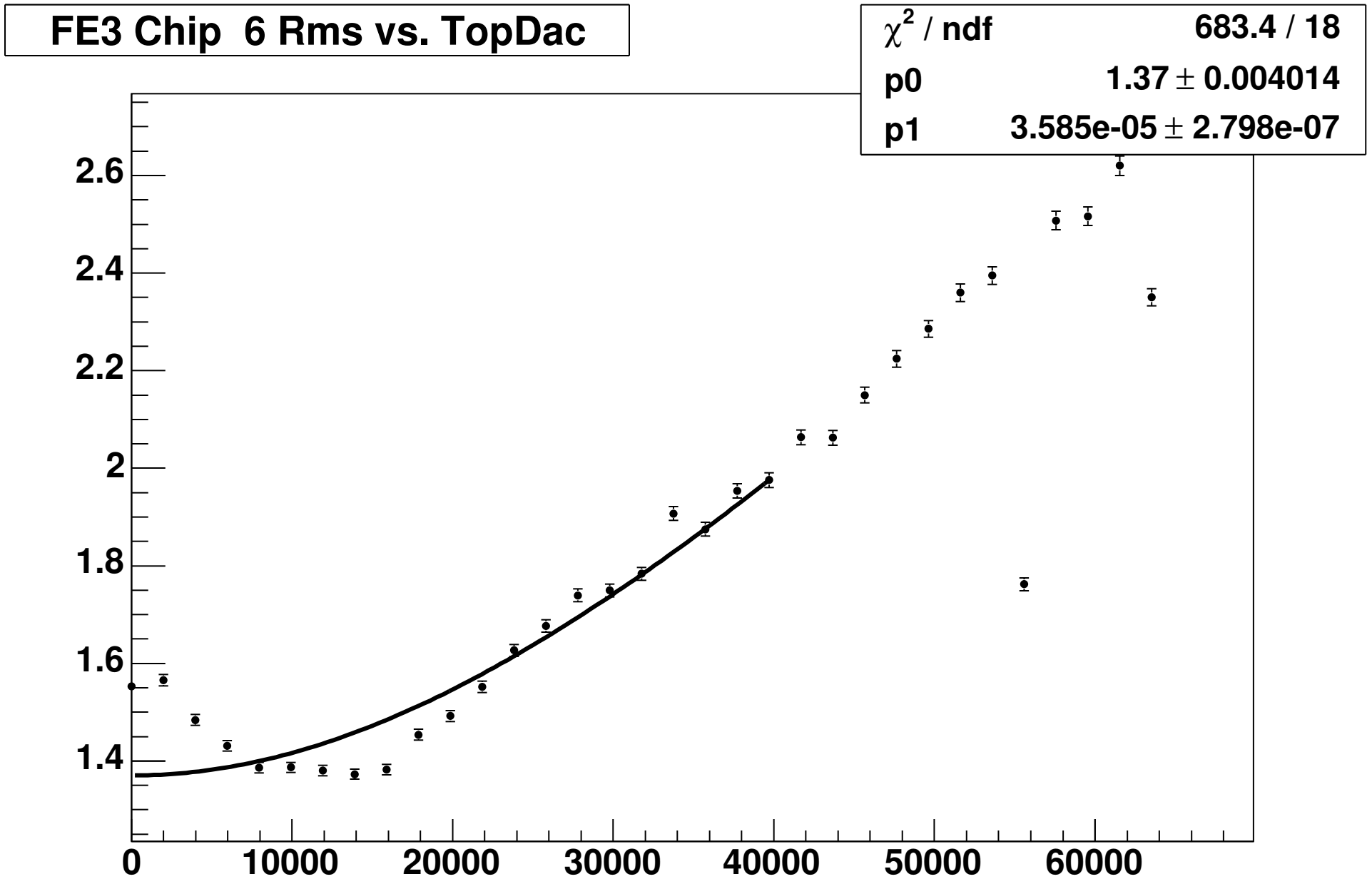
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 683.4 / 18
p0 1.37 ± 0.004014
p1 3.585e-05 ± 2.798e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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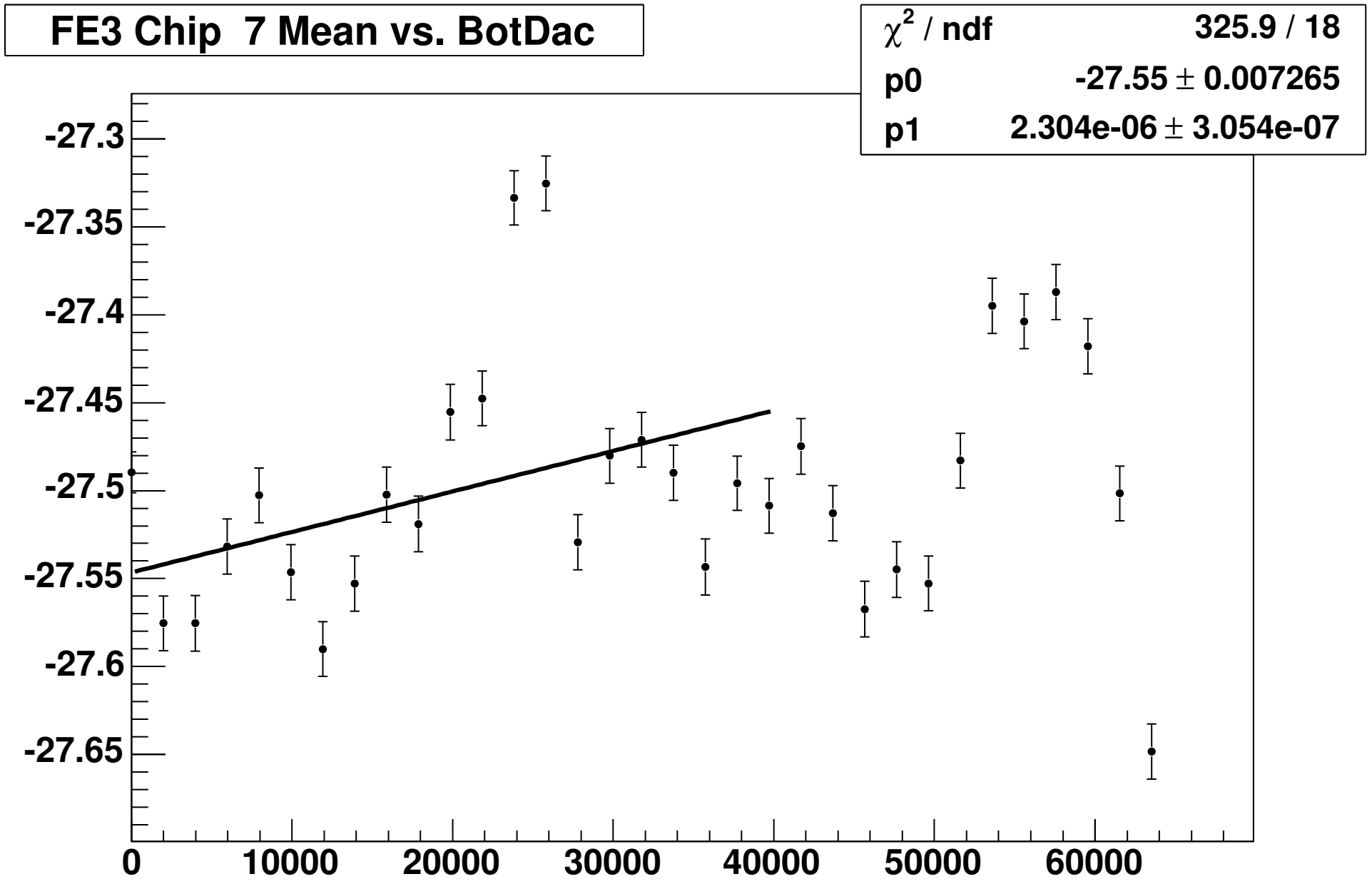
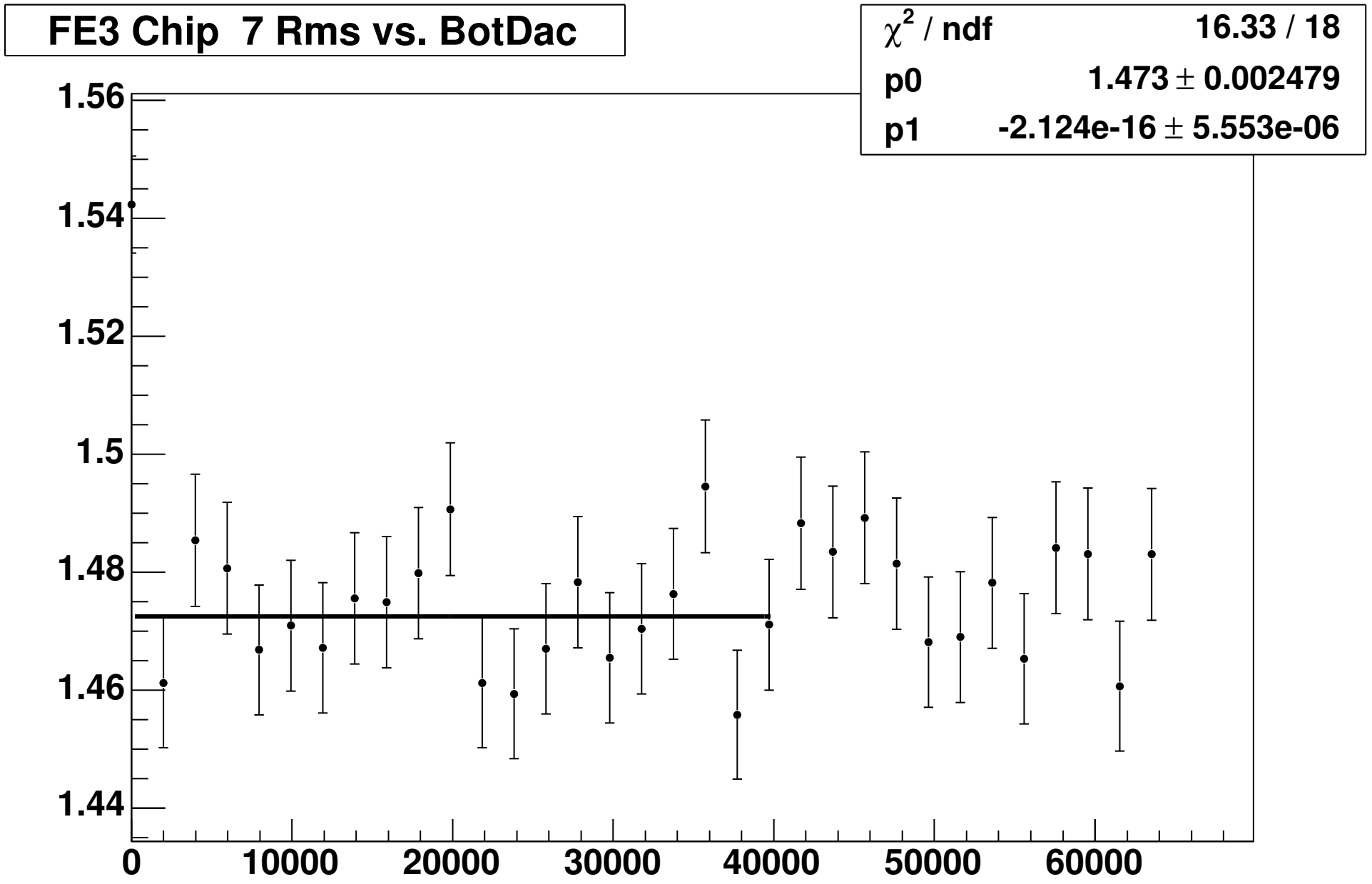
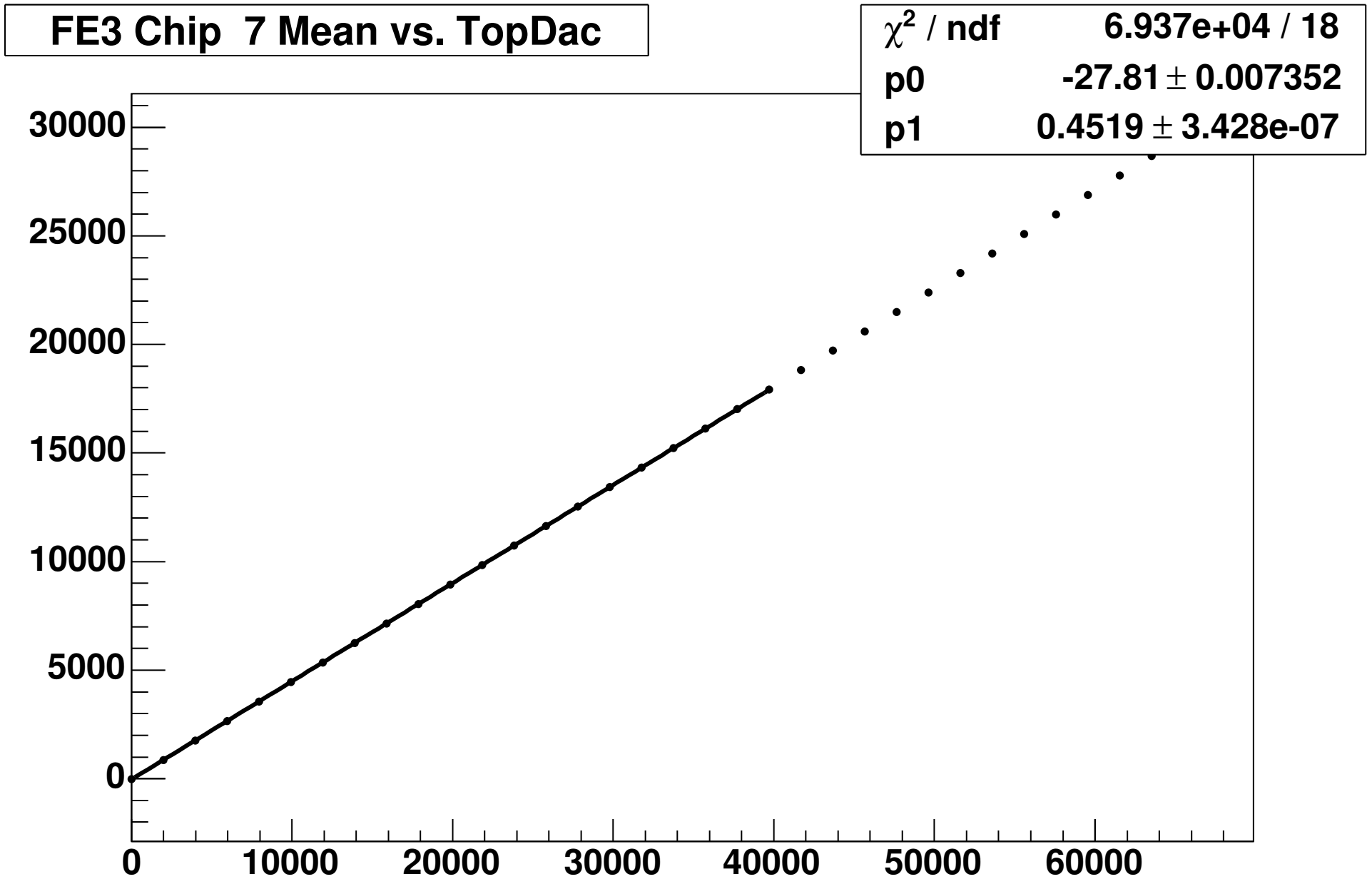
60000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 325.9 / 18
p0 -27.55 ± 0.007265
p1 2.304e-06 ± 3.054e-07
-27.3
-27.35
-27.4
-27.45
-27.5
-27.55
-27.6
-27.65
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 16.33 / 18
p0 1.473 ± 0.002479
p1 -2.124e-16 ± 5.553e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 6.937e+04 / 18
p0 -27.81 ± 0.007352
p1 0.4519 ± 3.428e-07
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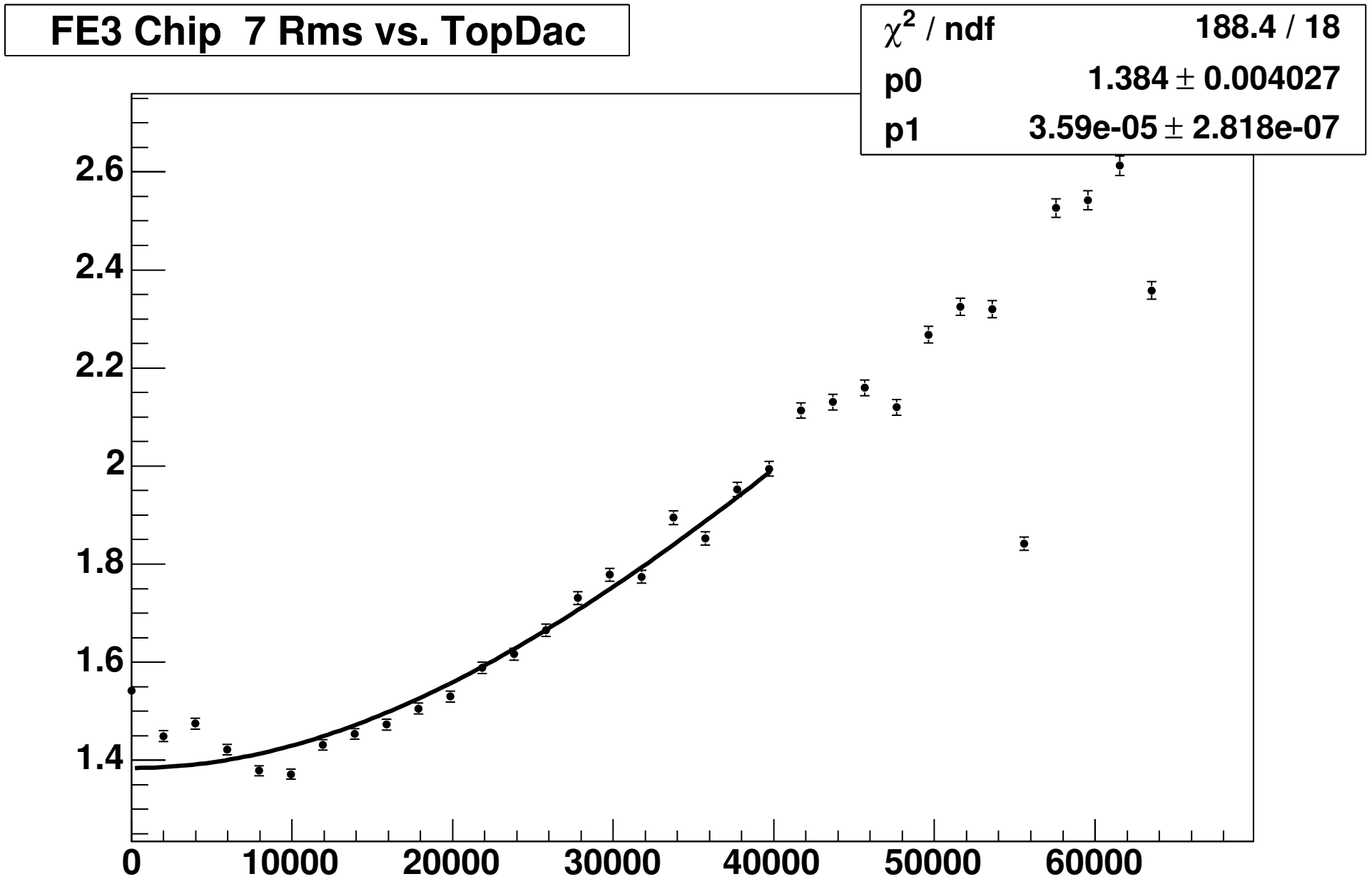
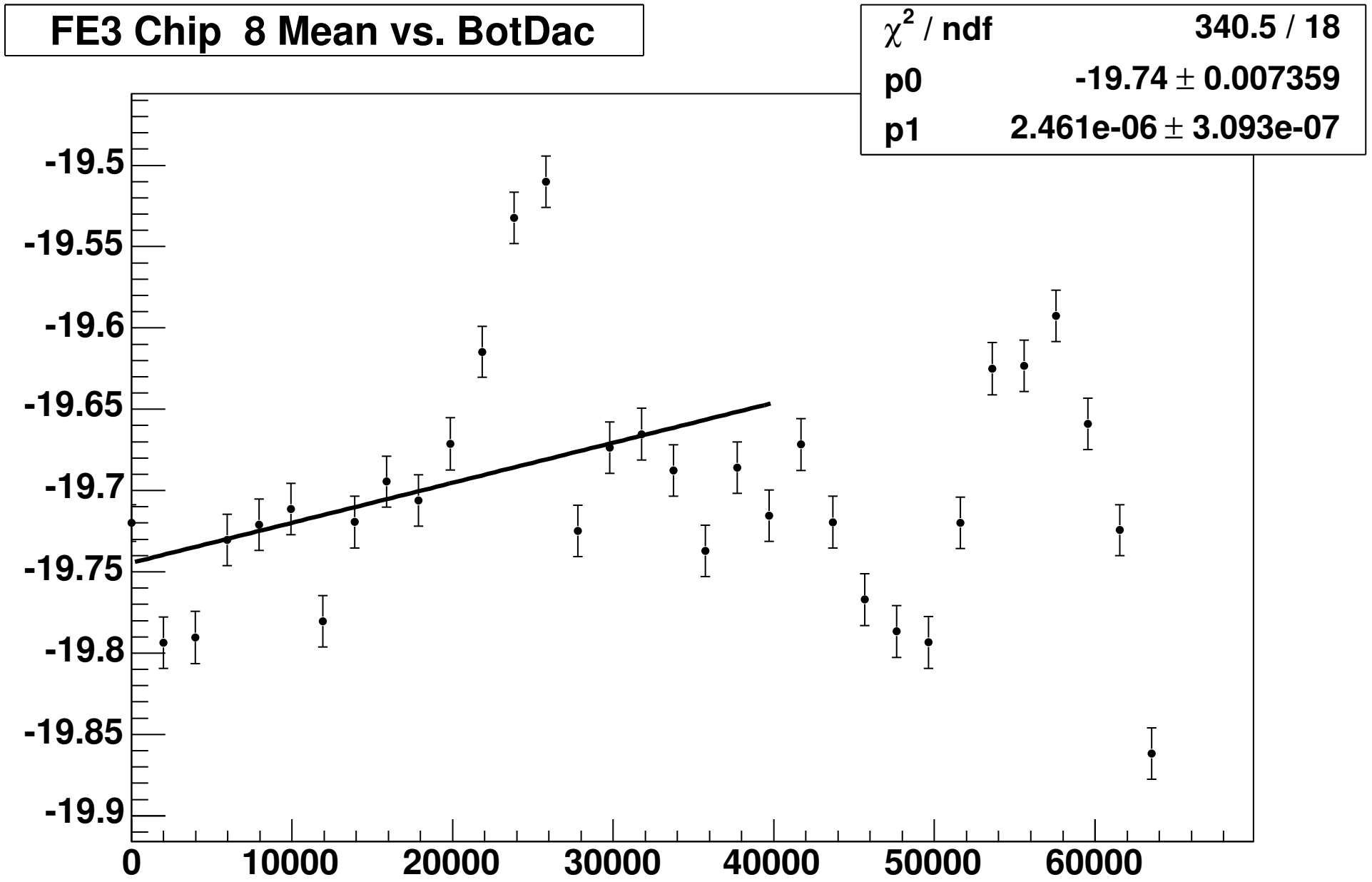
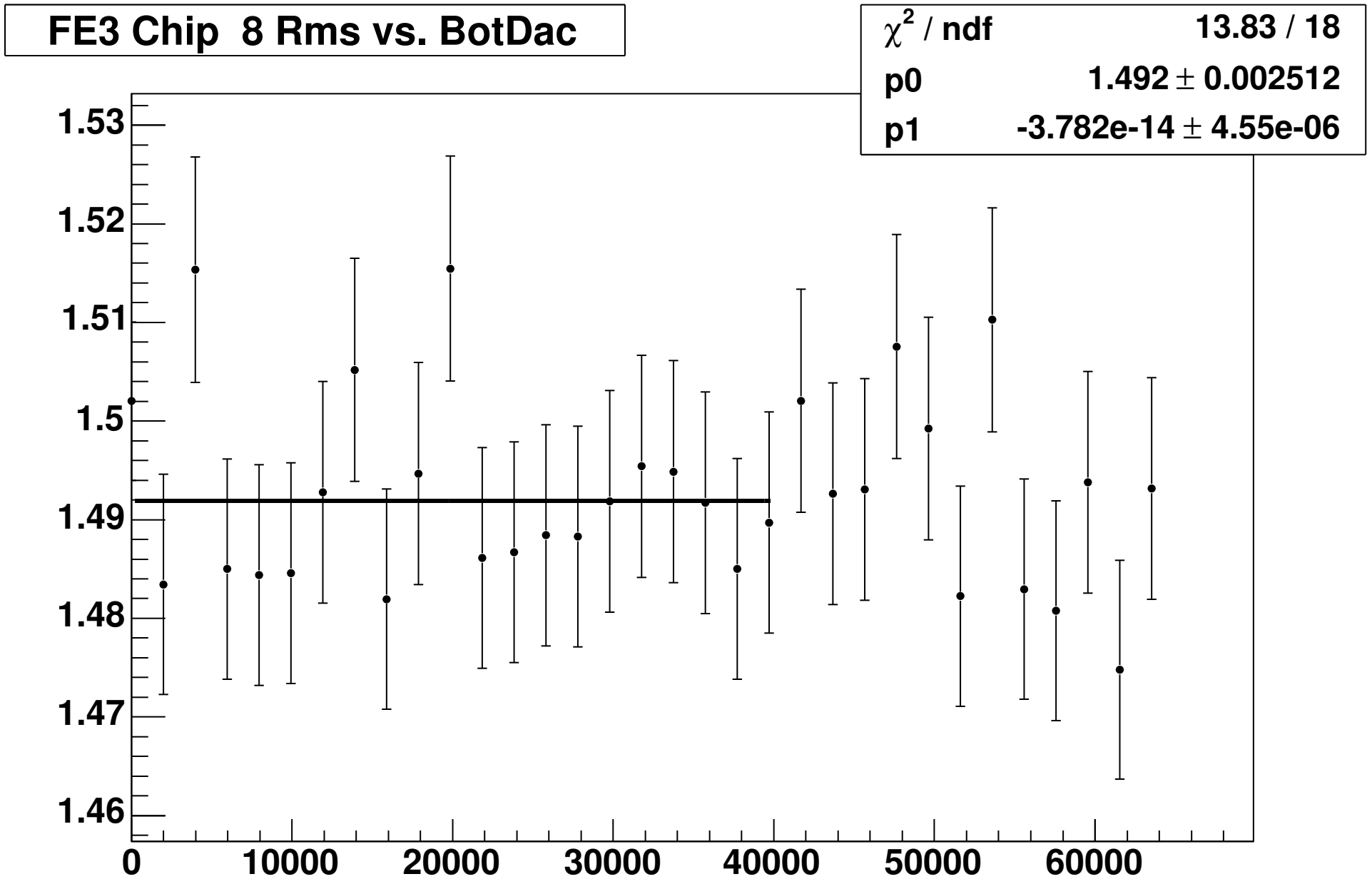
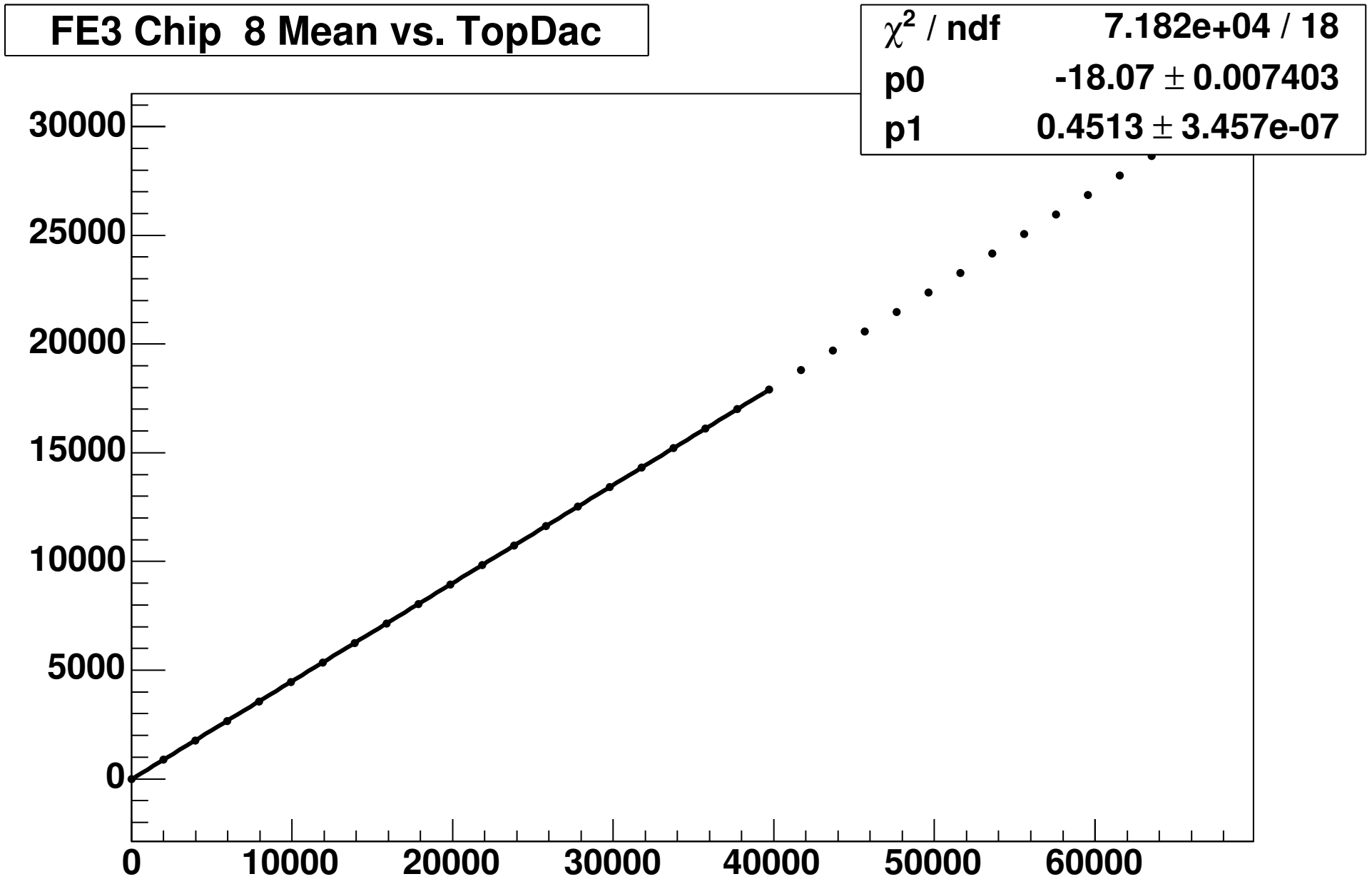
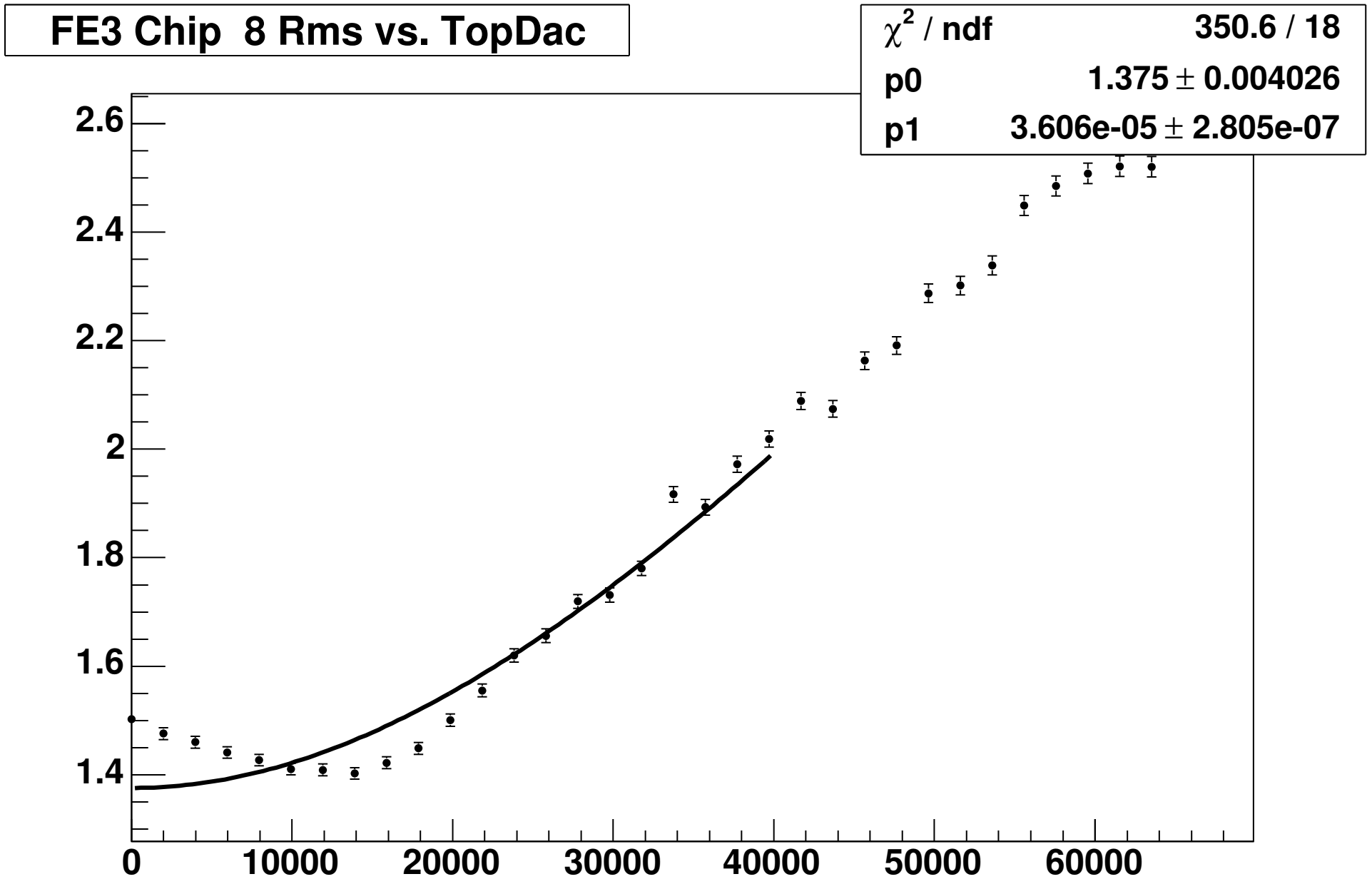
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

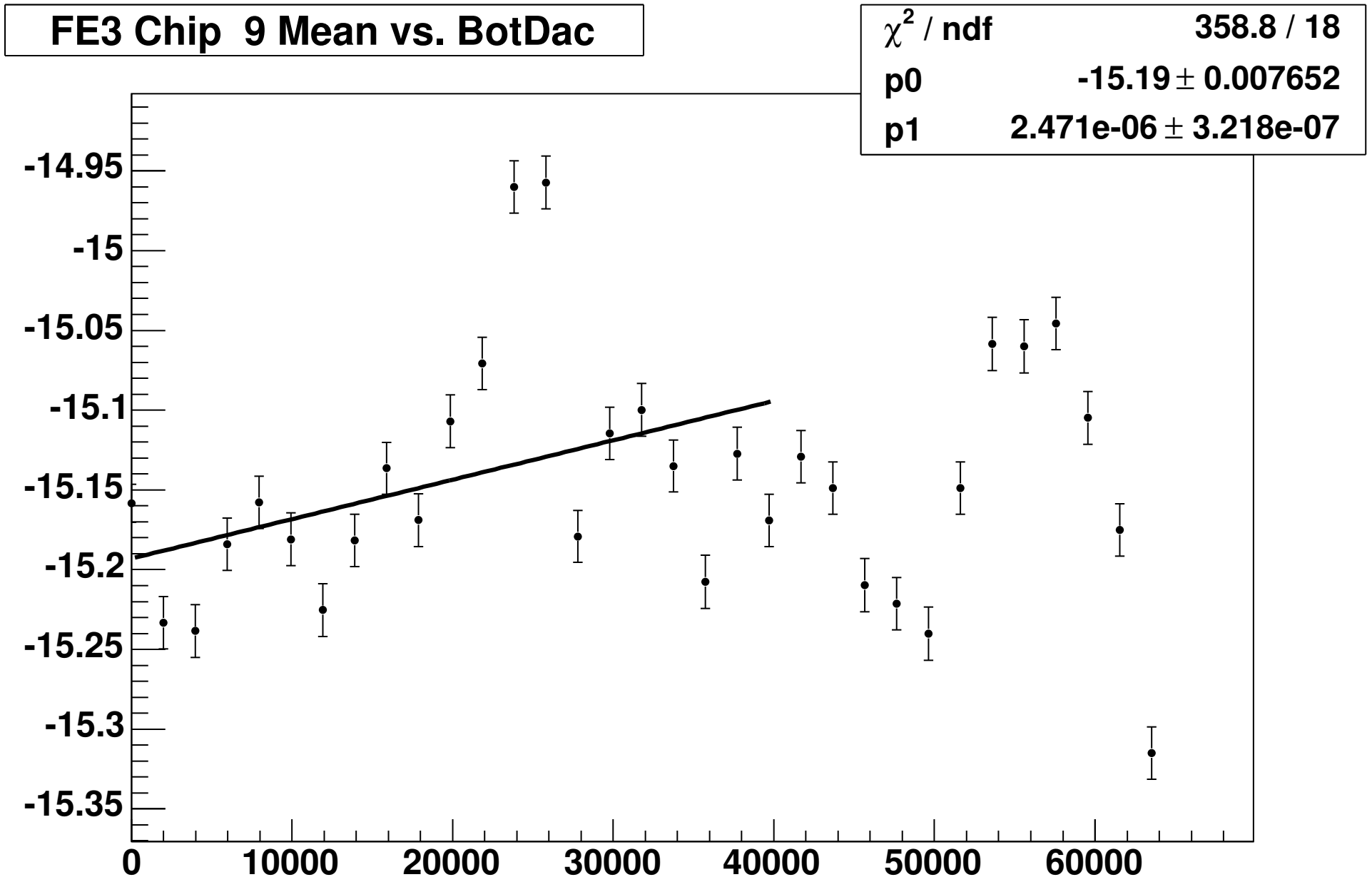

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 188.4 / 18
p0 1.384 ± 0.004027
p1 3.59e-05 ± 2.818e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

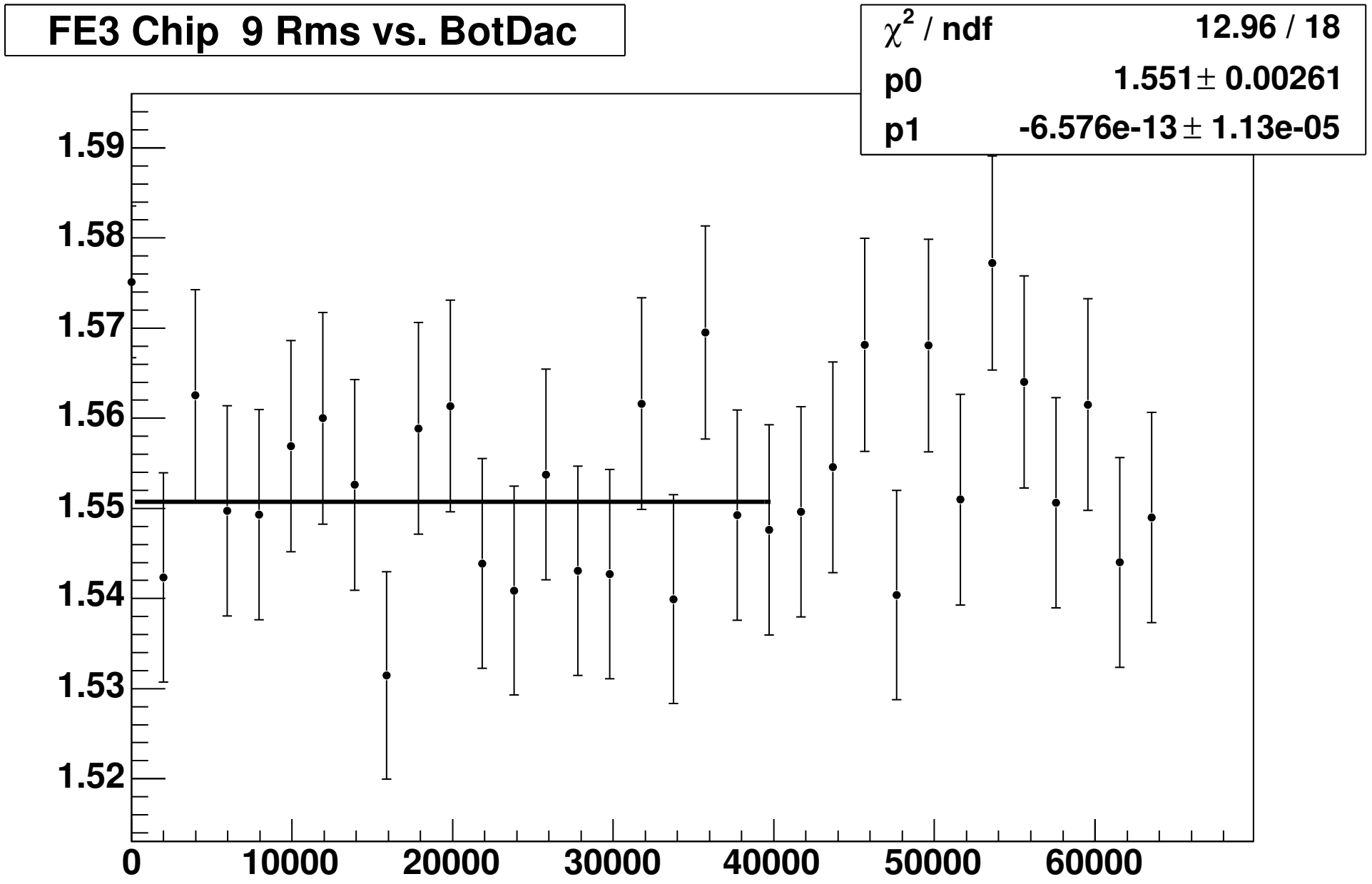

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 340.5 / 18
p0 -19.74 ± 0.007359
p1 2.461e-06 ± 3.093e-07
-19.5
-19.55
-19.6
-19.65
-19.7
-19.75
-19.8
-19.85
-19.9
0
10000
20000
30000
40000
50000
60000

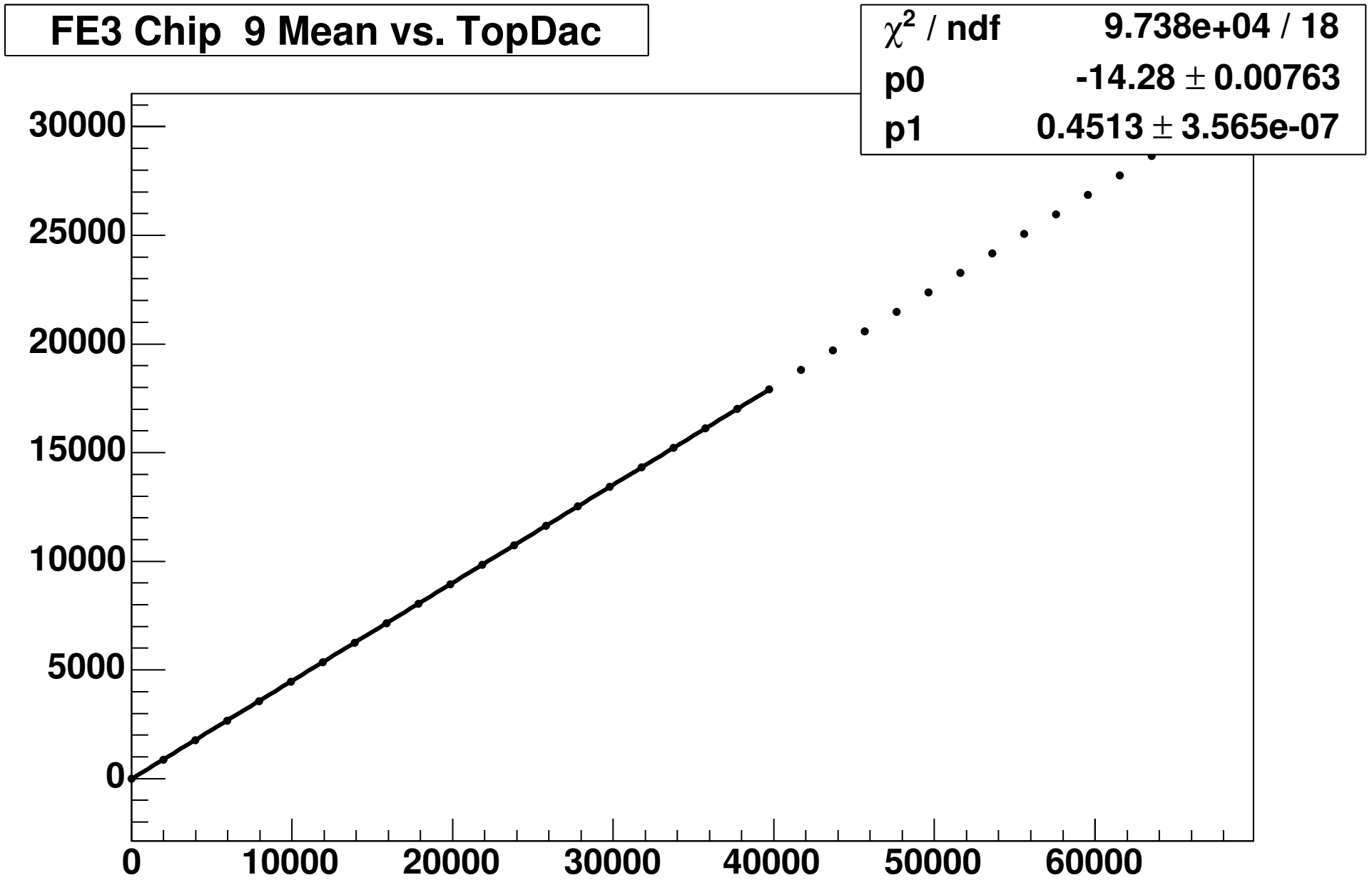

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 13.83 / 18
p0 1.492 ± 0.002512
p1 -3.782e-14 ± 4.55e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

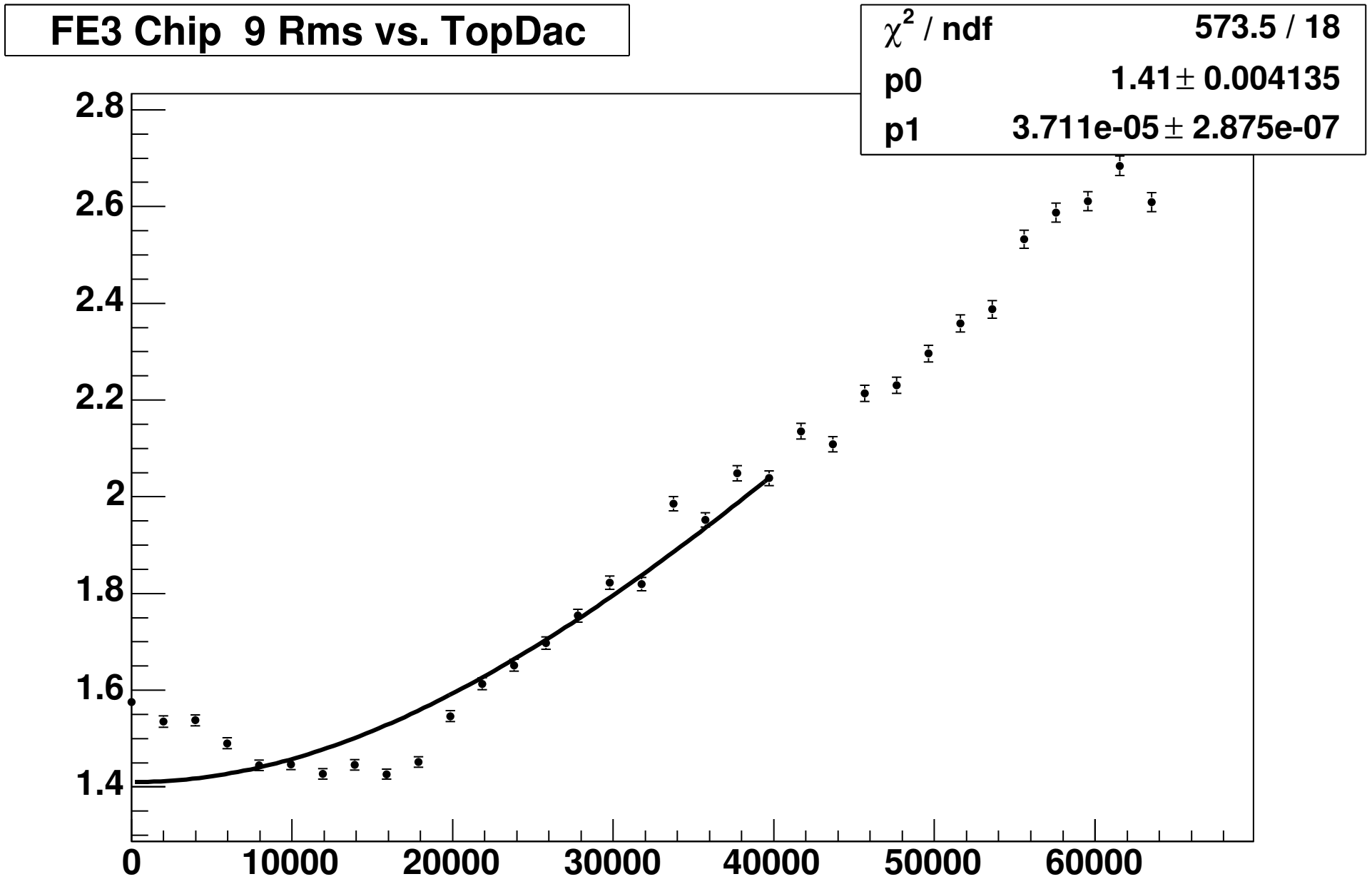

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 7.182e+04 / 18
p0 -18.07 ± 0.007403
p1 0.4513 ± 3.457e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

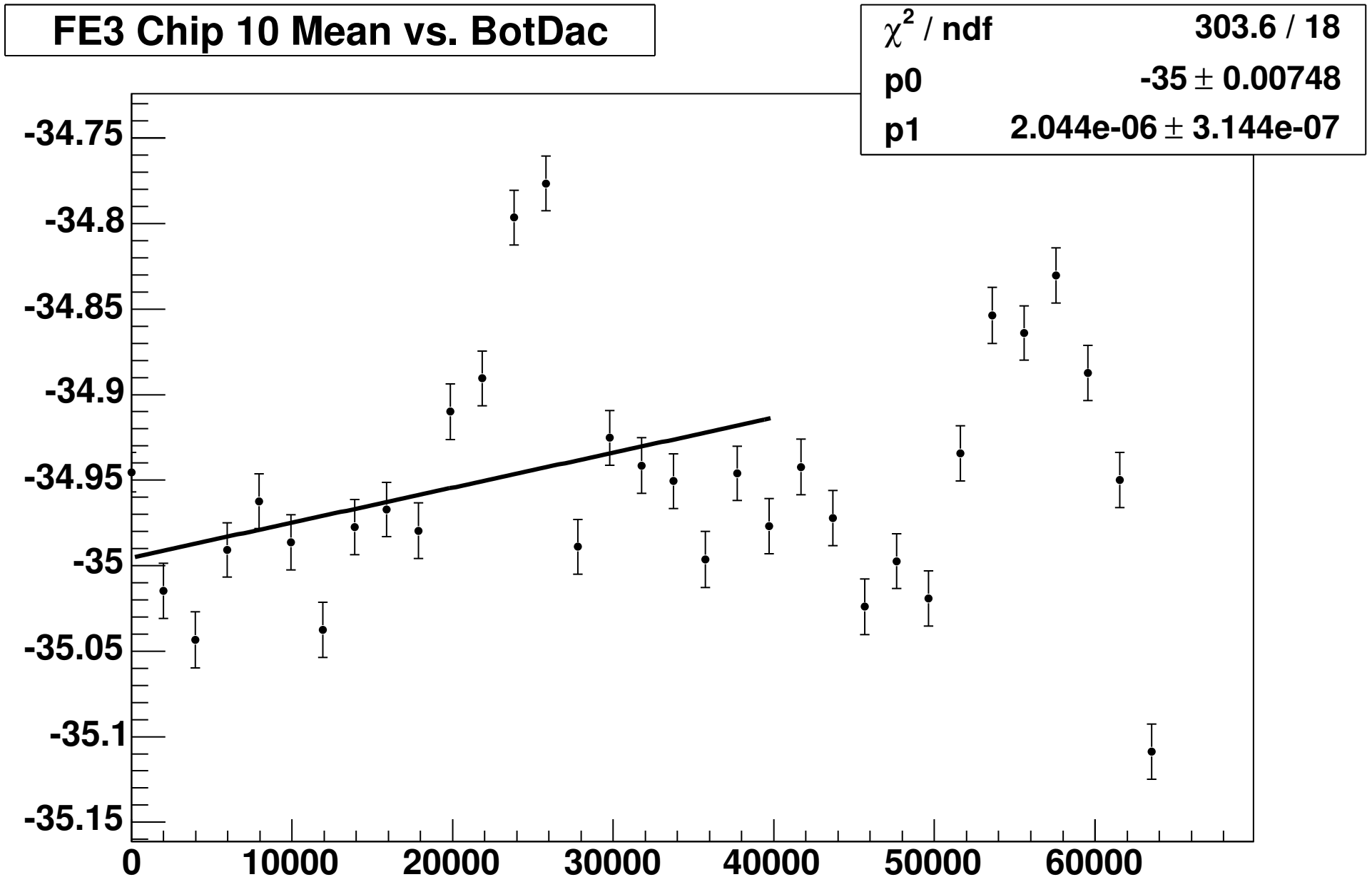

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 350.6 / 18
p0 1.375 ± 0.004026
p1 3.606e-05 ± 2.805e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 358.8 / 18
p0 -15.19 ± 0.007652
p1 2.471e-06 ± 3.218e-07
-14.95
-15
-15.05
-15.1
-15.15
-15.2
-15.25
-15.3
-15.35
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 12.96 / 18
p0 1.551 ± 0.00261
p1 -6.576e-13 ± 1.13e-05
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 9.738e+04 / 18
p0 -14.28 ± 0.00763
p1 0.4513 ± 3.565e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 573.5 / 18
p0 1.41 ± 0.004135
p1 3.711e-05 ± 2.875e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 303.6 / 18
p0 -35 ± 0.00748
p1 2.044e-06 ± 3.144e-07
-34.75
-34.8
-34.85
-34.9
-34.95
-35
-35.05
-35.1
-35.15
0
10000
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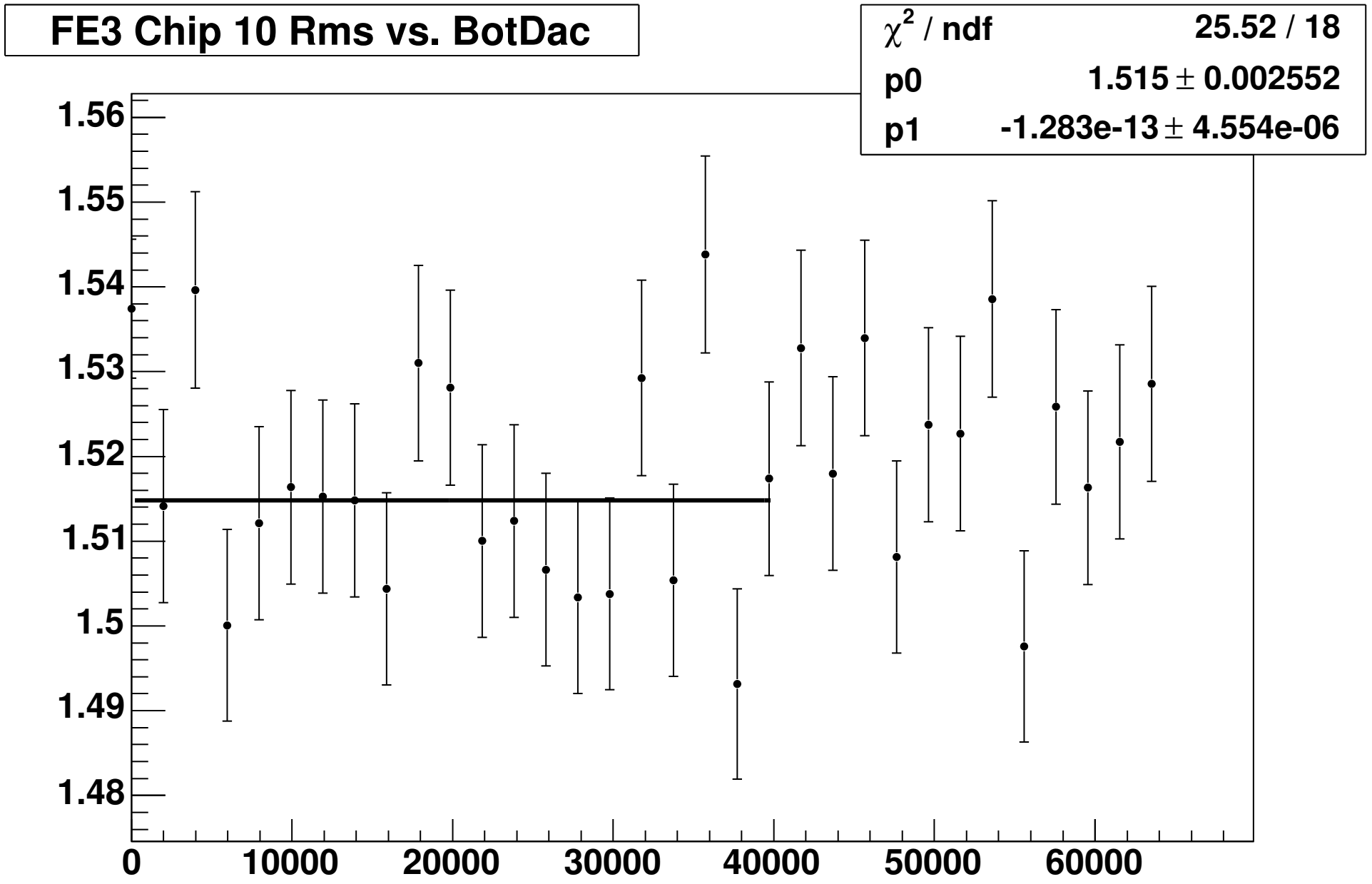
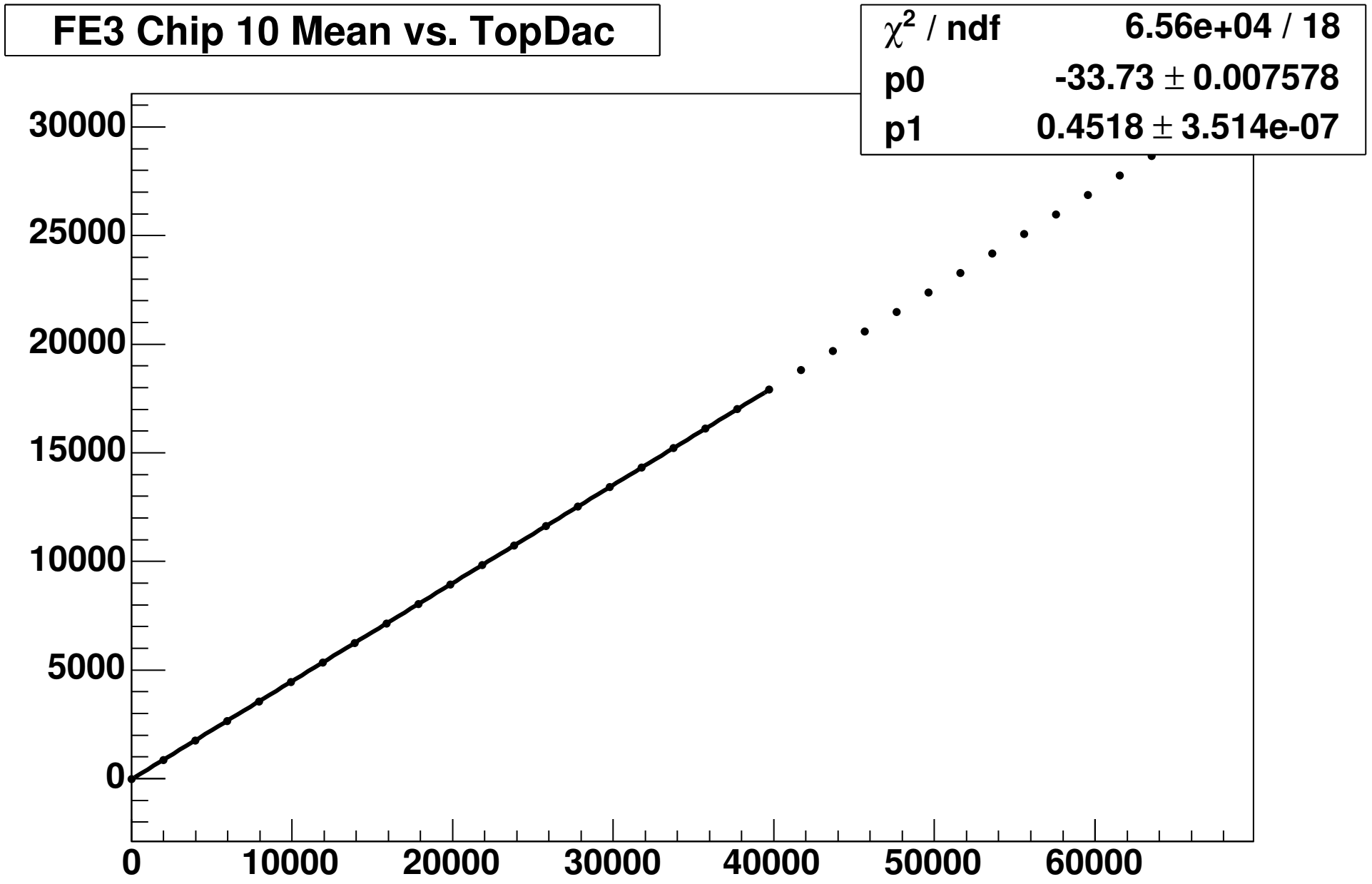
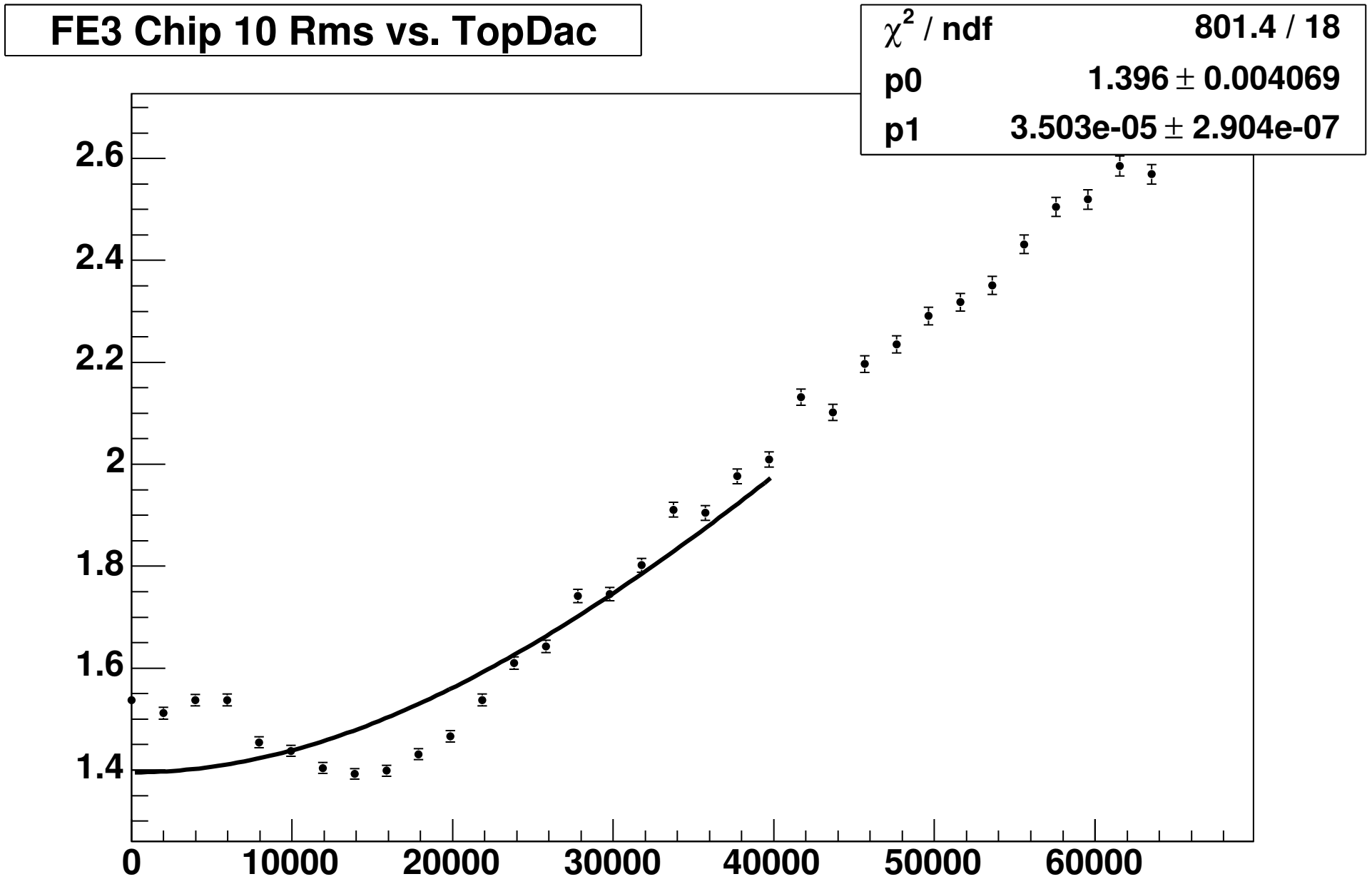
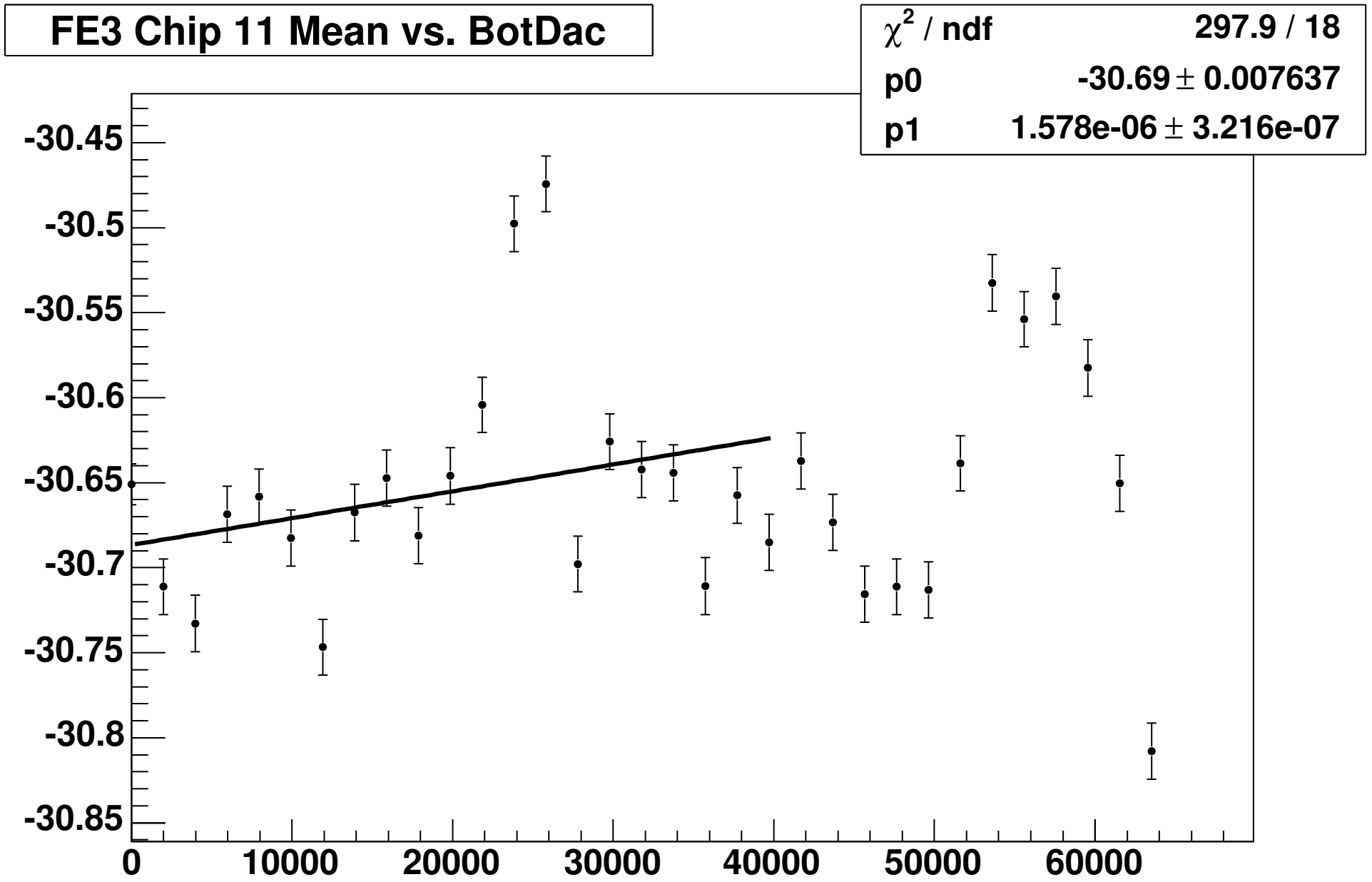
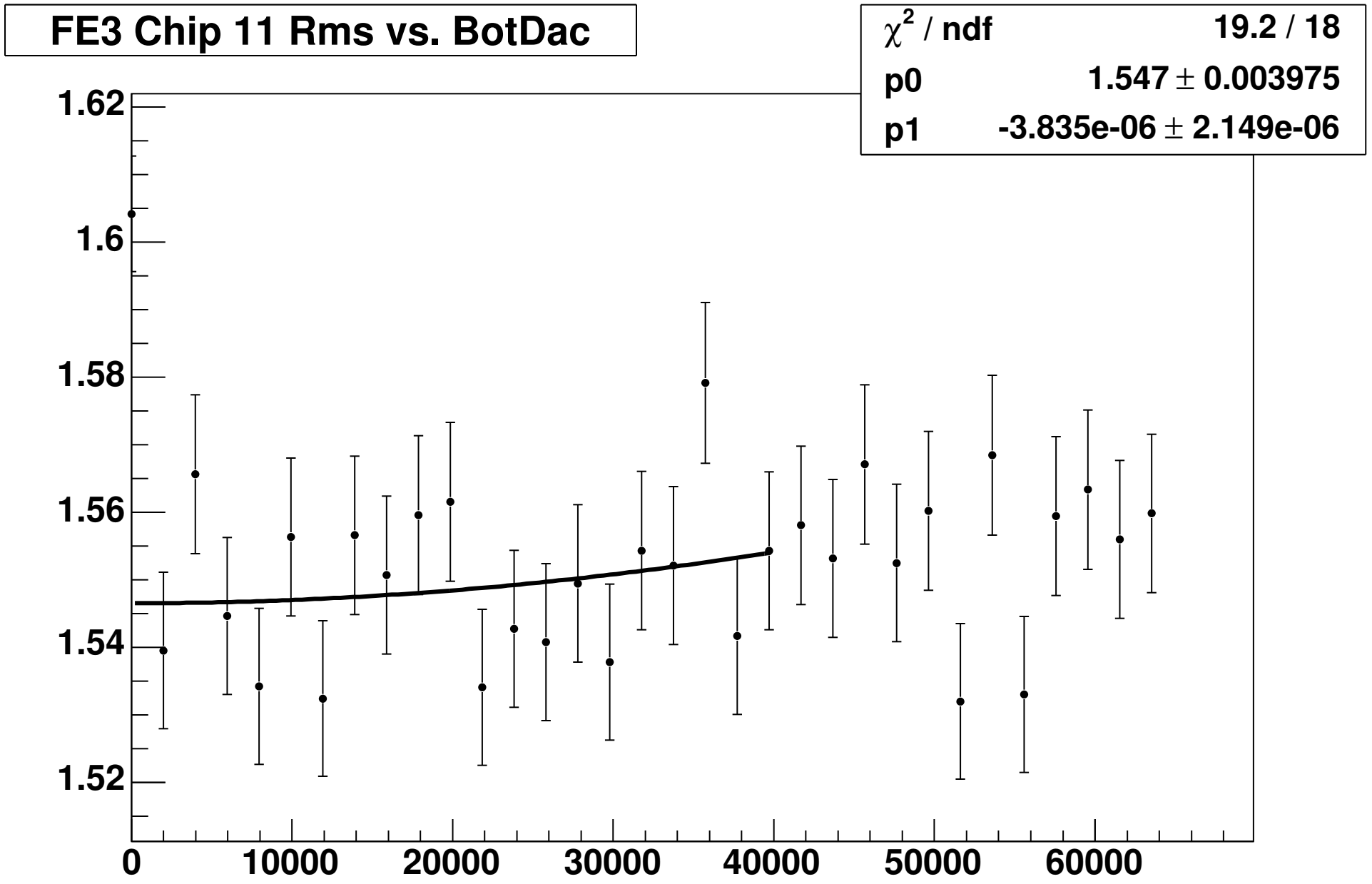
50000
60000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 25.52 / 18
p0 1.515 ± 0.002552
p1 -1.283e-13 ± 4.554e-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


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 6.56e+04 / 18
p0 -33.73 ± 0.007578
p1 0.4518 ± 3.514e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 801.4 / 18
p0 1.396 ± 0.004069
p1 3.503e-05 ± 2.904e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 297.9 / 18
p0 -30.69 ± 0.007637
p1 1.578e-06 ± 3.216e-07
-30.45
-30.5
-30.55
-30.6
-30.65
-30.7
-30.75
-30.8
-30.85
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 19.2 / 18
p0 1.547 ± 0.003975
p1 -3.835e-06 ± 2.149e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
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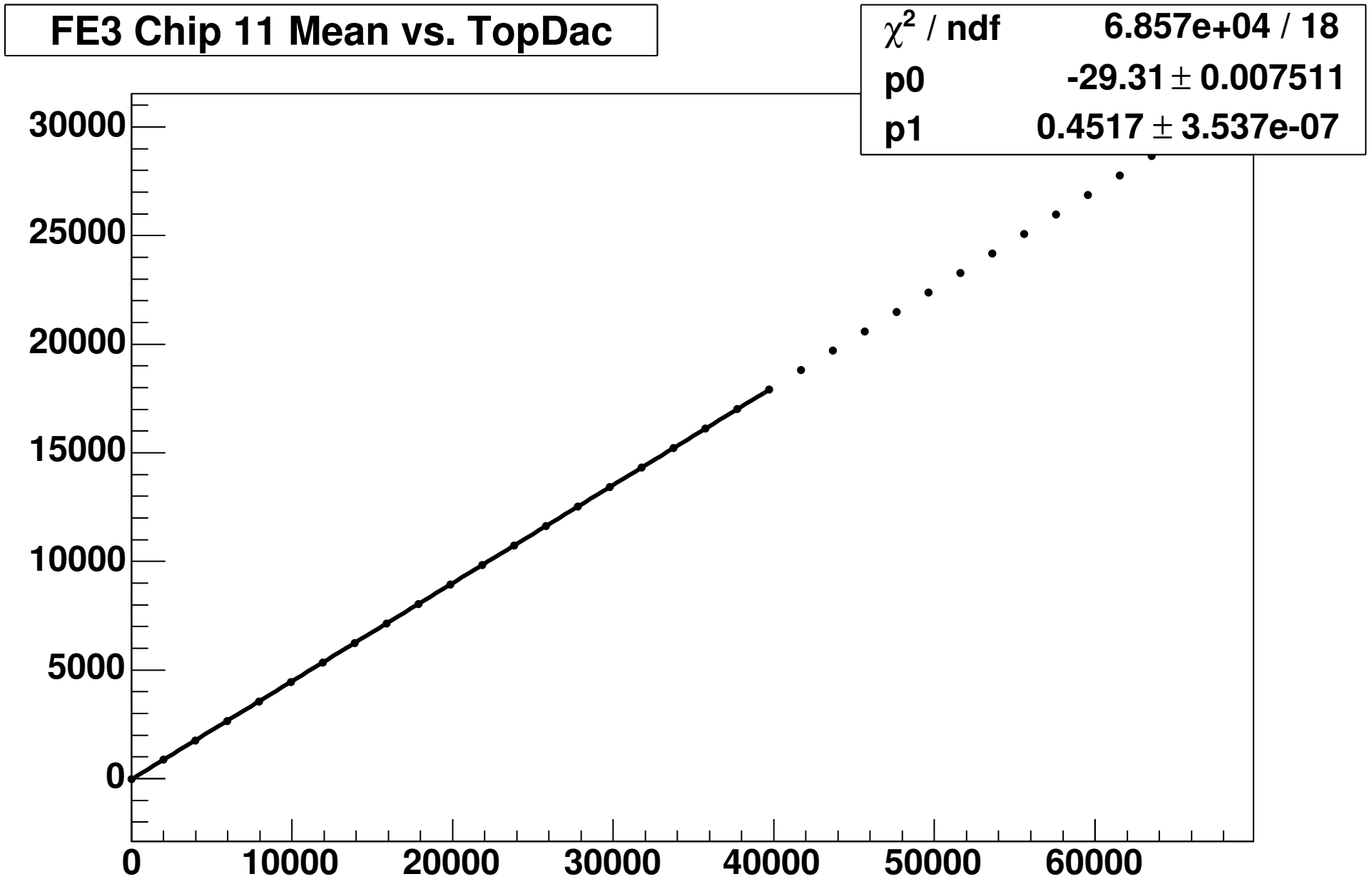
60000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 6.857e+04 / 18
p0 -29.31 ± 0.007511
p1 0.4517 ± 3.537e-07
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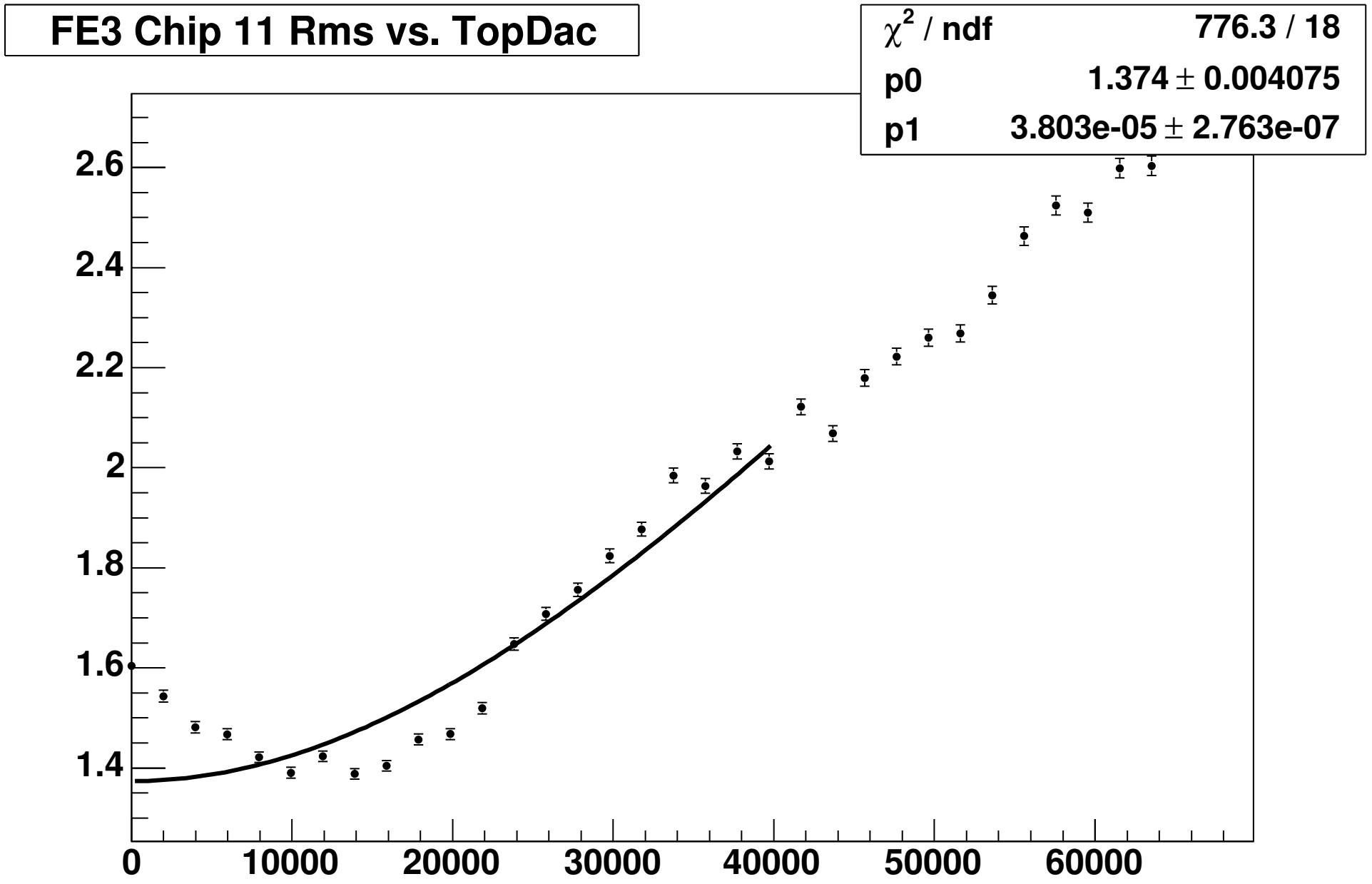
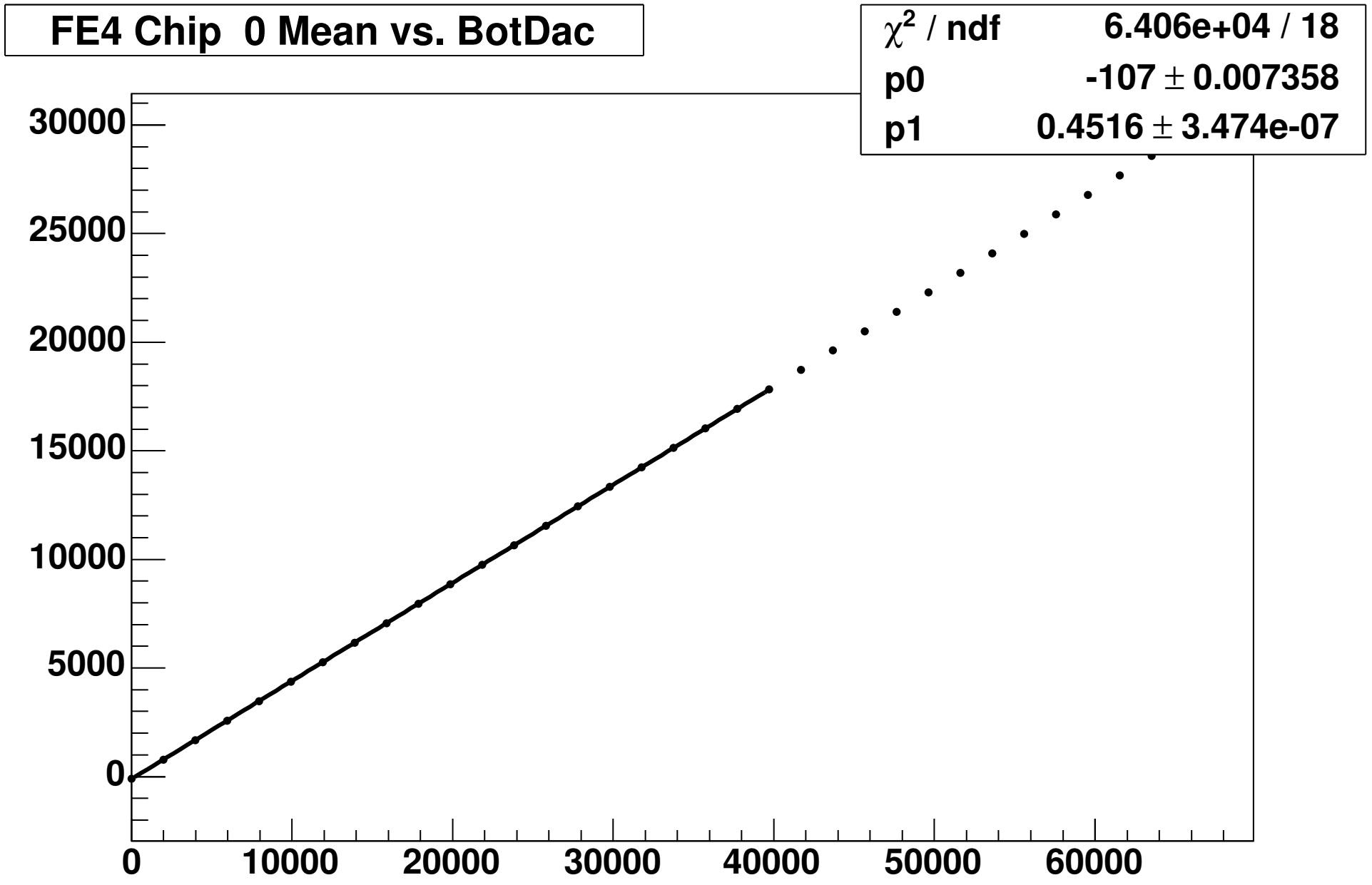
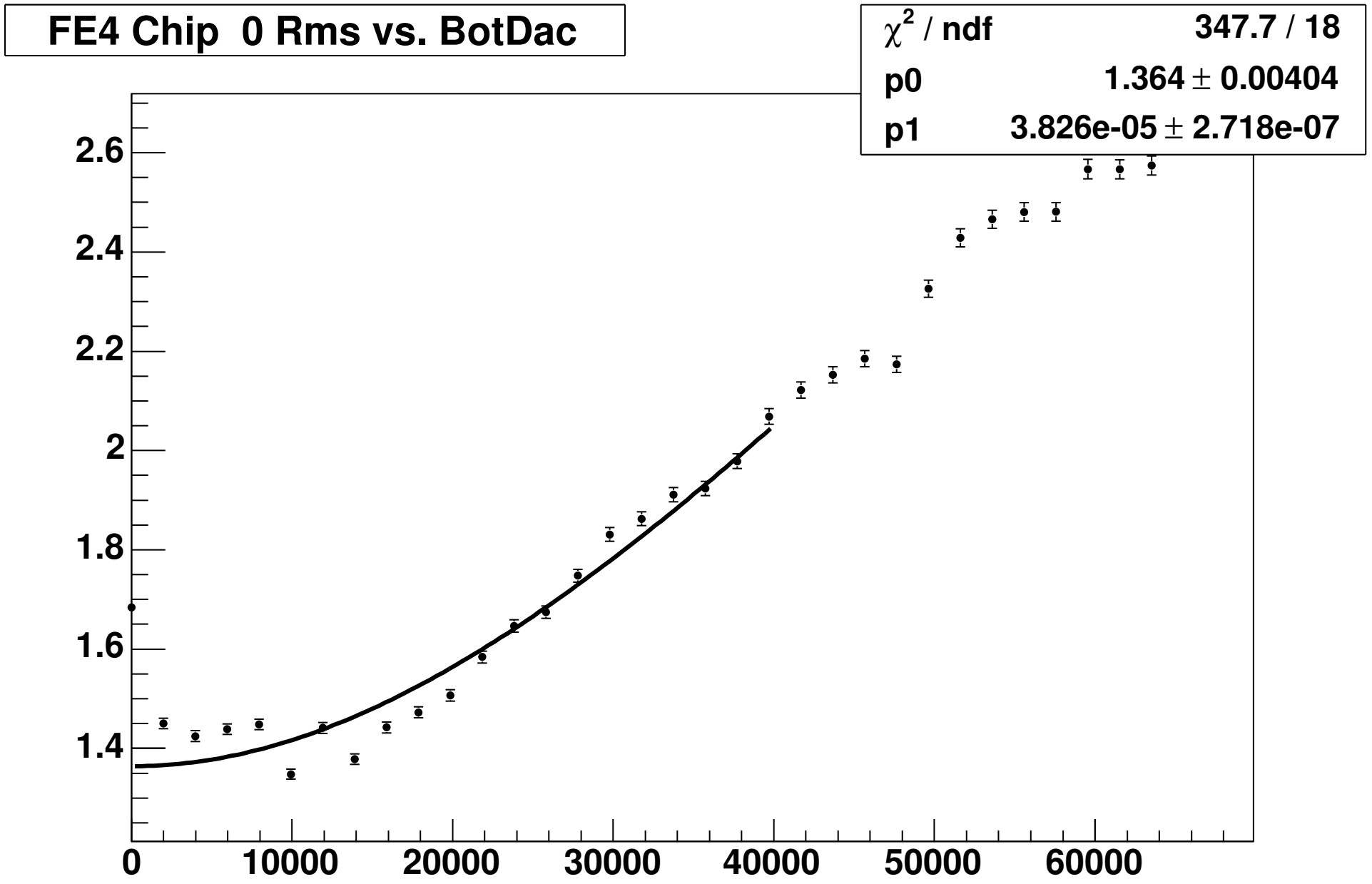
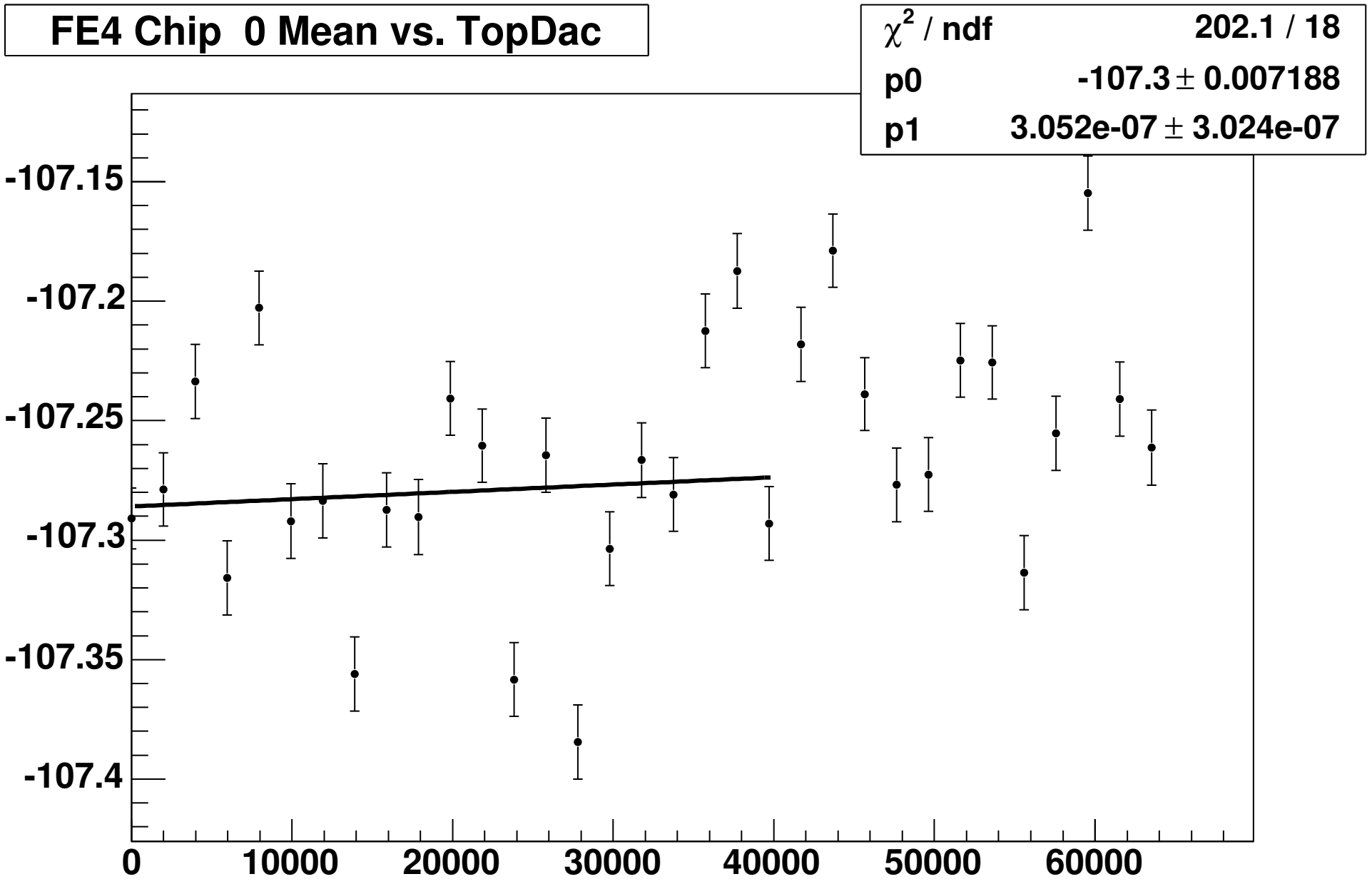
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 776.3 / 18
p0 1.374 ± 0.004075
p1 3.803e-05 ± 2.763e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 6.406e+04 / 18
p0 -107 ± 0.007358
p1 0.4516 ± 3.474e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 347.7 / 18
p0 1.364 ± 0.00404
p1 3.826e-05 ± 2.718e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 202.1 / 18
p0 -107.3 ± 0.007188
p1 3.052e-07 ± 3.024e-07
-107.15
-107.2
-107.25
-107.3
-107.35
-107.4
0
10000
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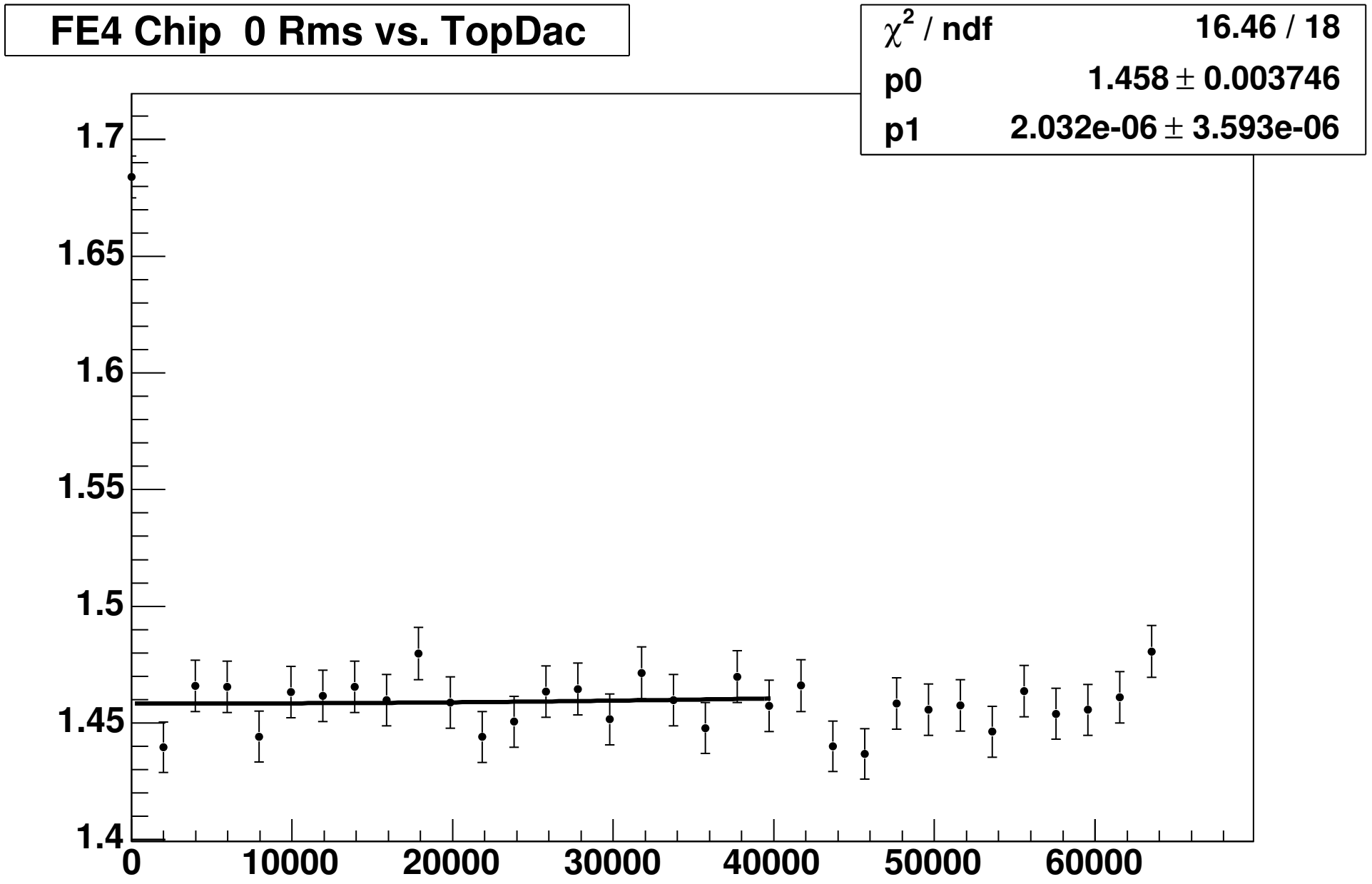
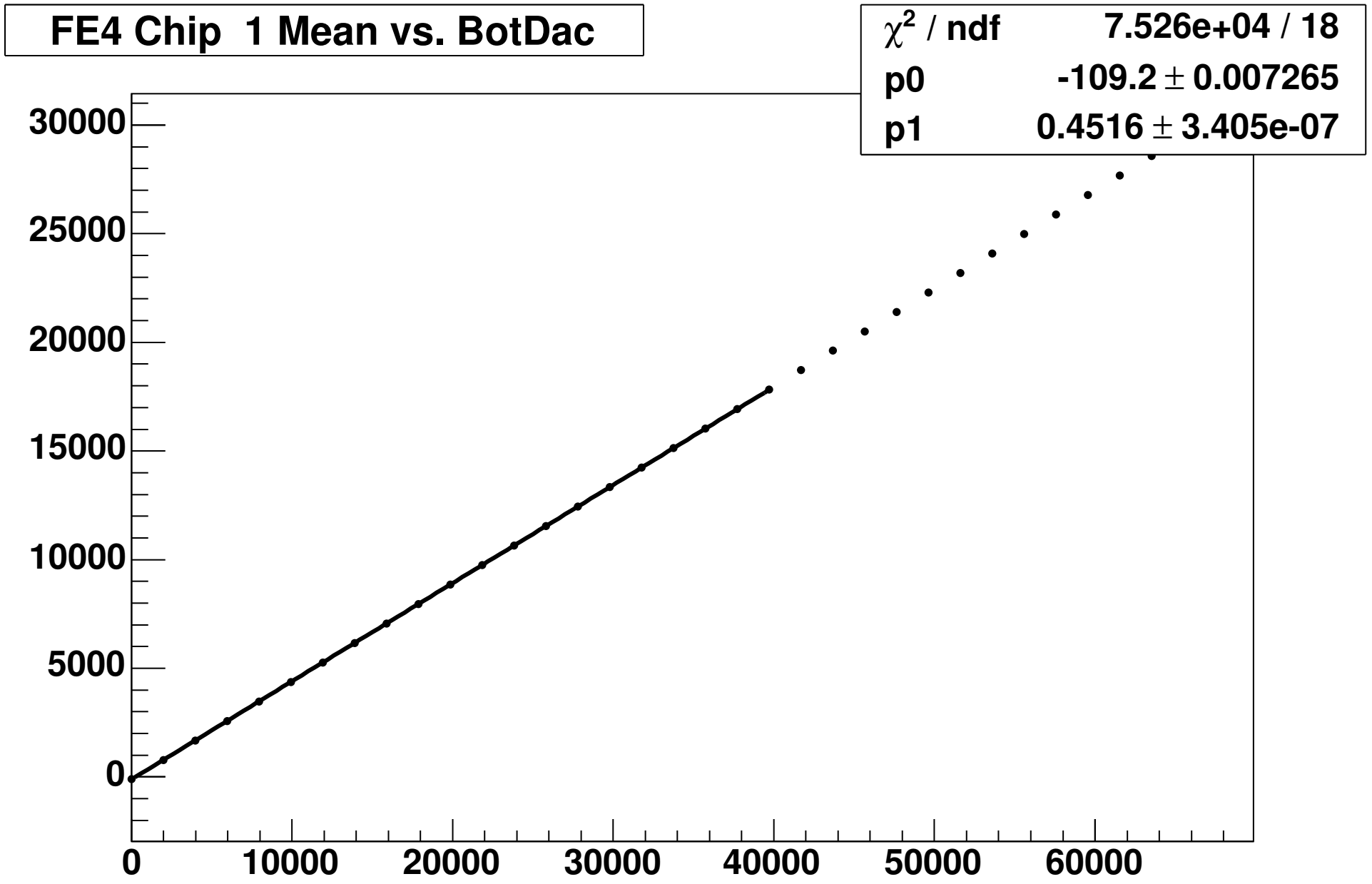
30000
40000
50000
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 16.46 / 18
p0 1.458 ± 0.003746
p1 2.032e-06 ± 3.593e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 7.526e+04 / 18
p0 -109.2 ± 0.007265
p1 0.4516 ± 3.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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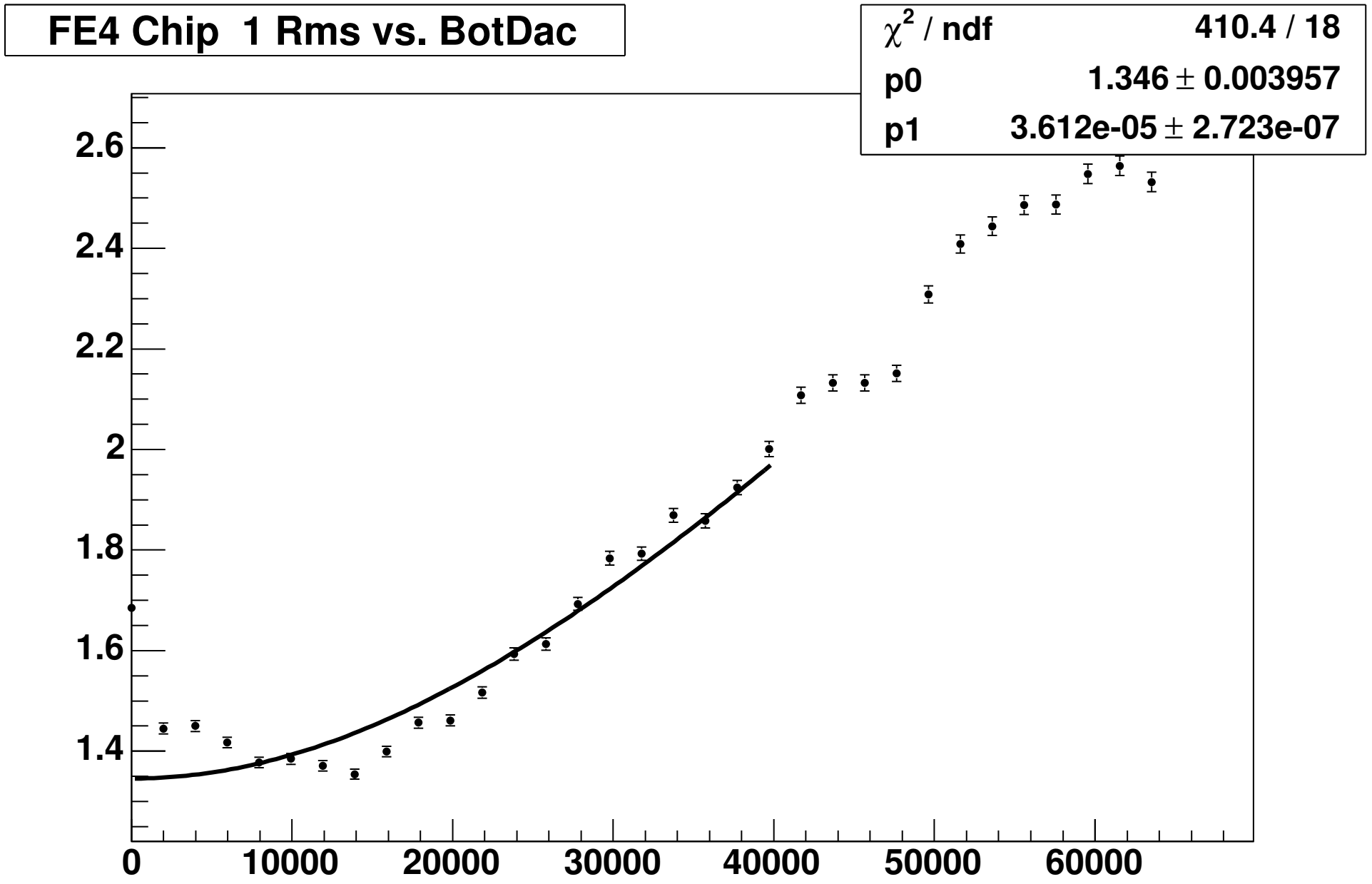
FE4 Chip 1 Rms vs. BotDac
χ² / ndf 410.4 / 18
p0 1.346 ± 0.003957
p1 3.612e-05 ± 2.723e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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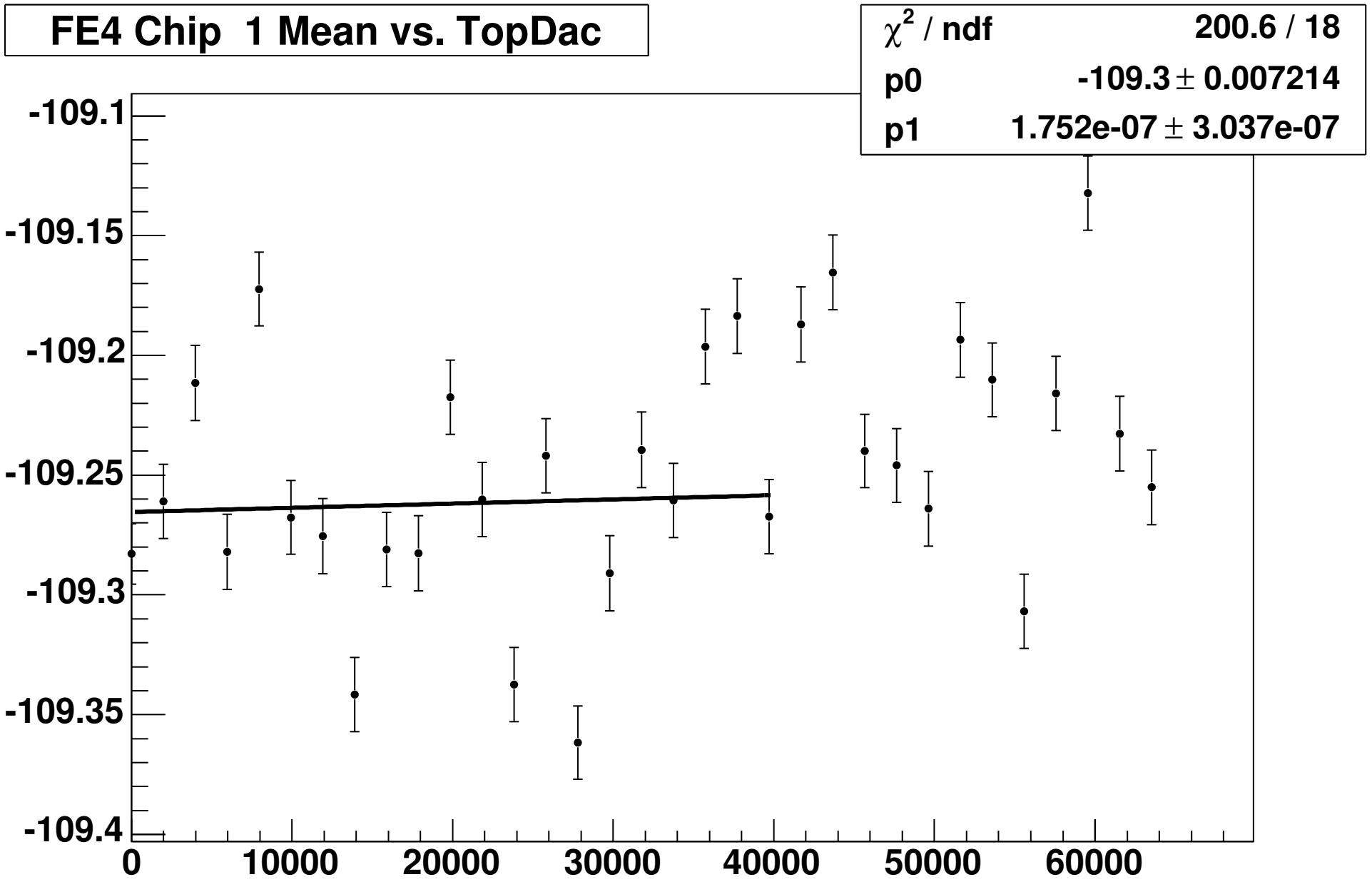
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 200.6 / 18
p0 -109.3 ± 0.007214
p1 1.752e-07 ± 3.037e-07
-109.1
-109.15
-109.2
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-109.3
-109.35
-109.4
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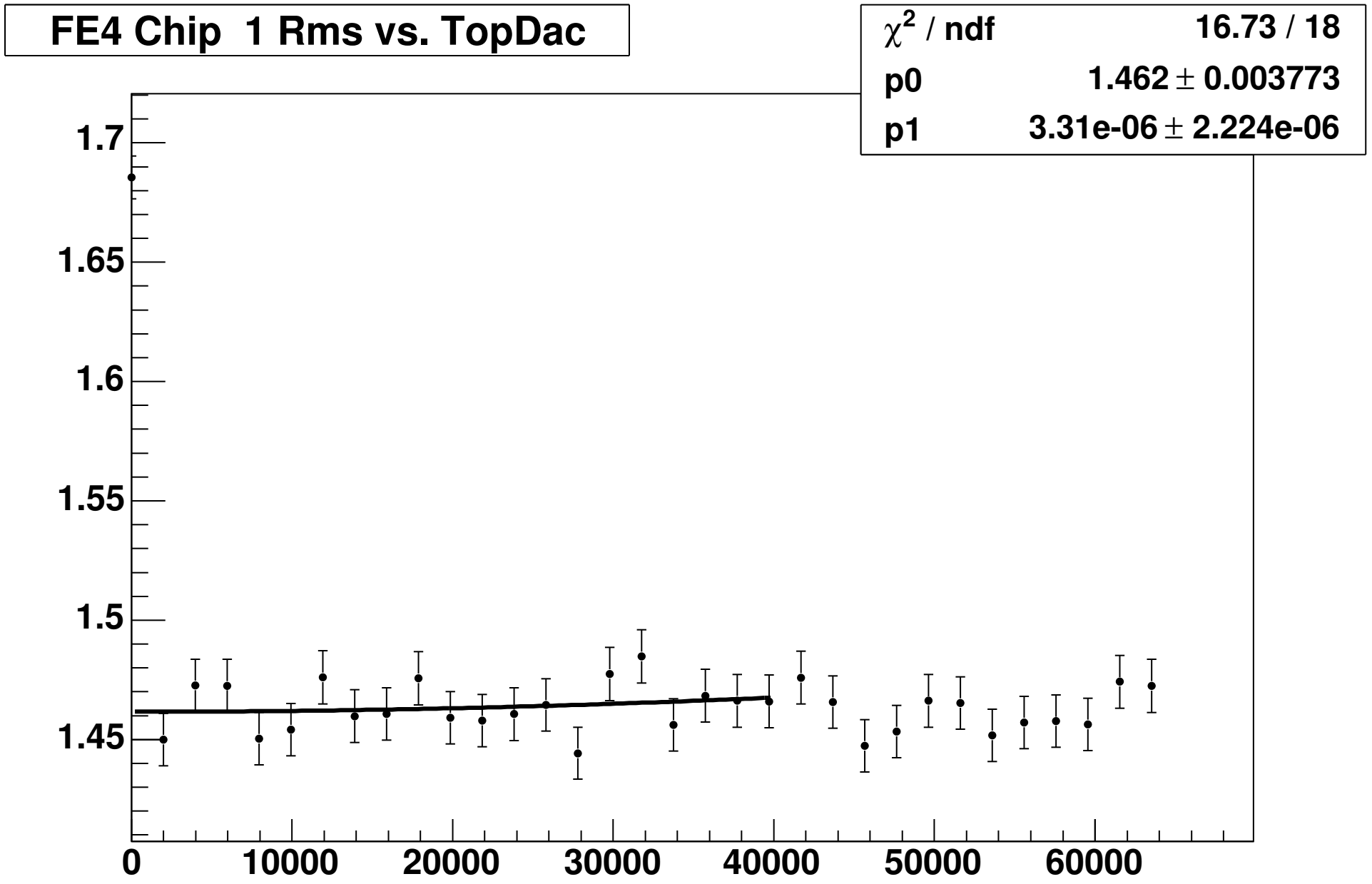
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 16.73 / 18
p0 1.462 ± 0.003773
p1 3.31e-06 ± 2.224e-06
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1.6
1.55
1.5
1.45
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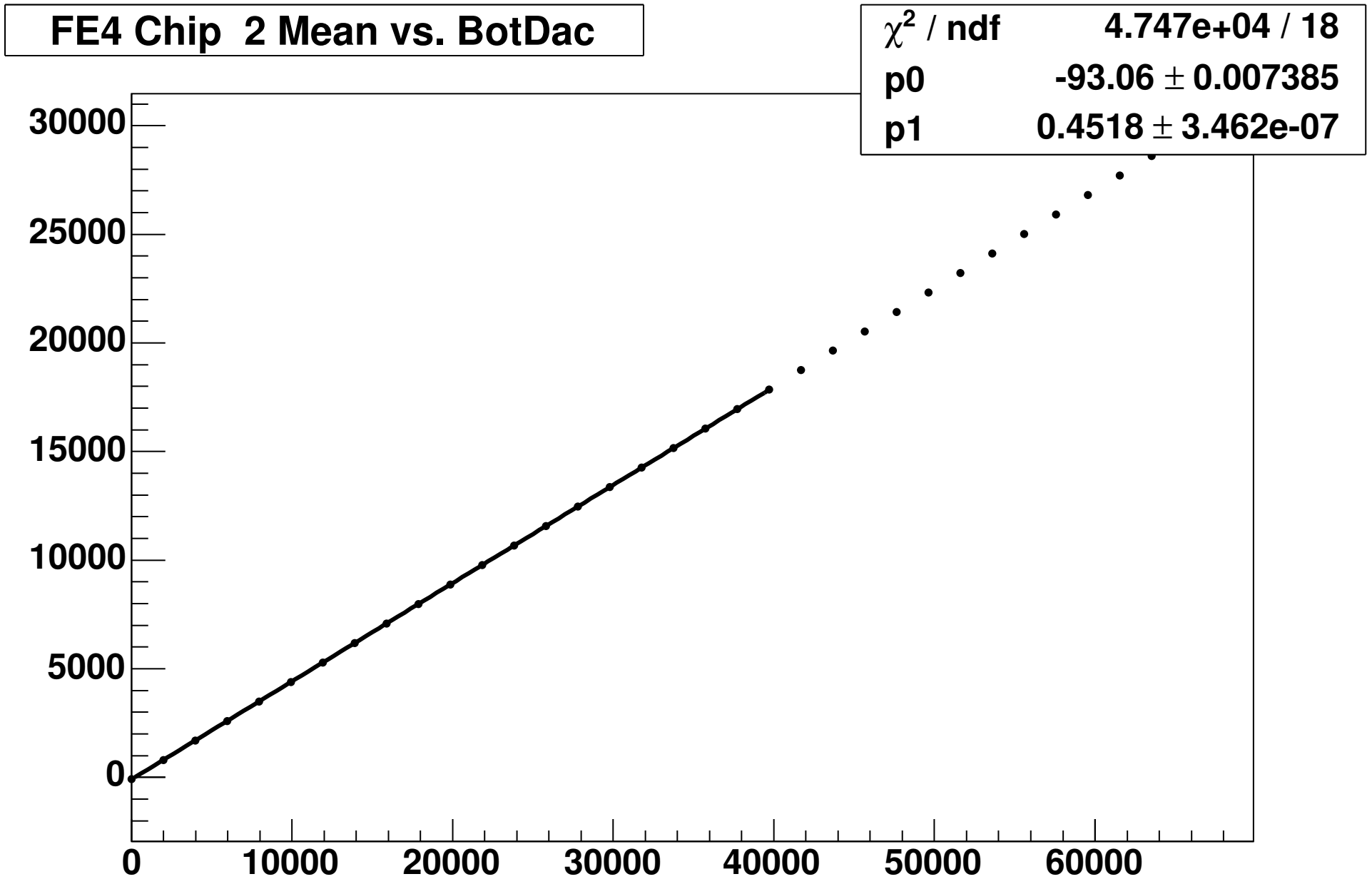
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 4.747e+04 / 18
p0 -93.06 ± 0.007385
p1 0.4518 ± 3.462e-07
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5000
0
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10000
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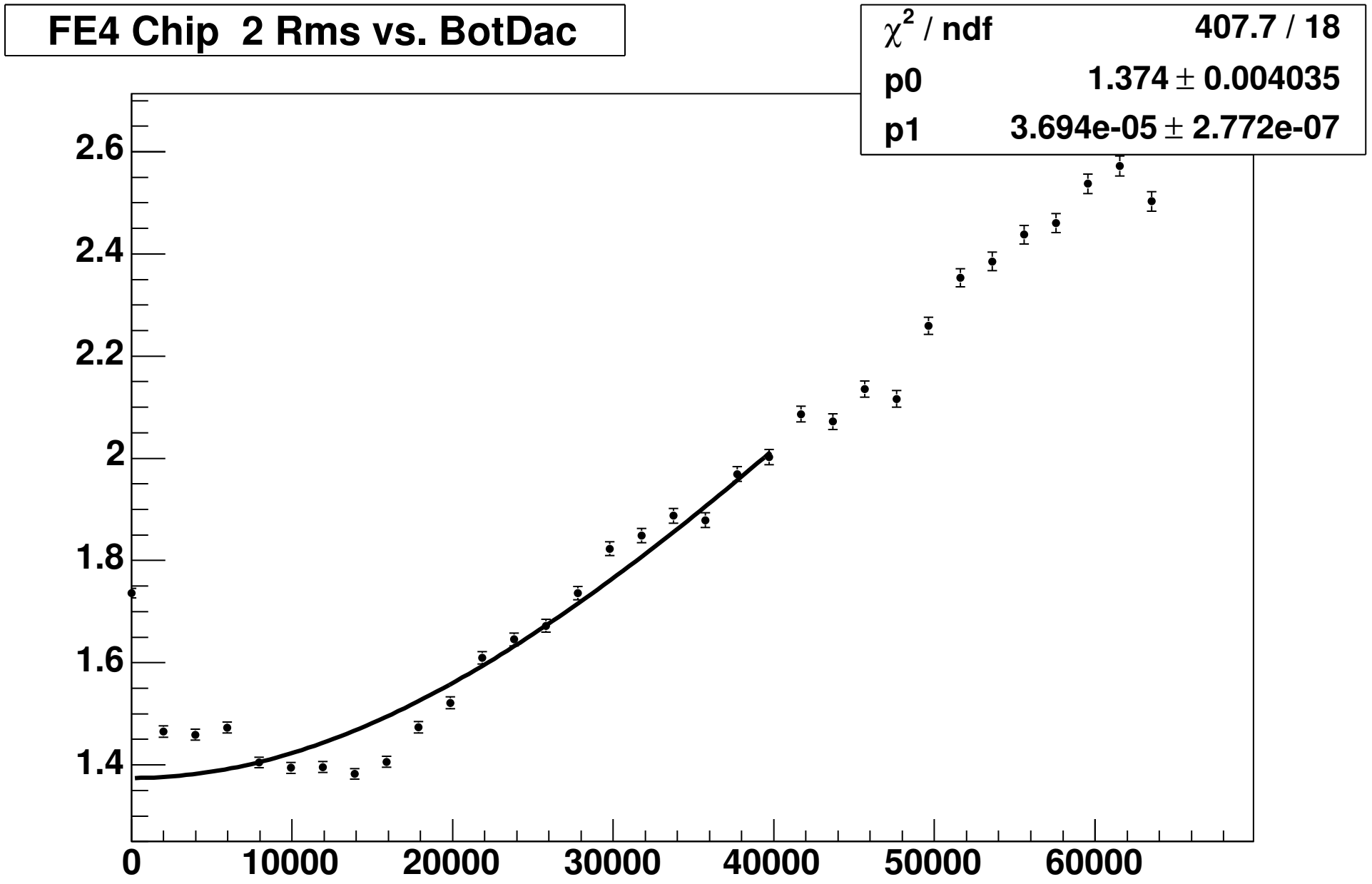
FE4 Chip 2 Rms vs. BotDac
χ² / ndf 407.7 / 18
p0 1.374 ± 0.004035
p1 3.694e-05 ± 2.772e-07
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2.2
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1.8
1.6
1.4
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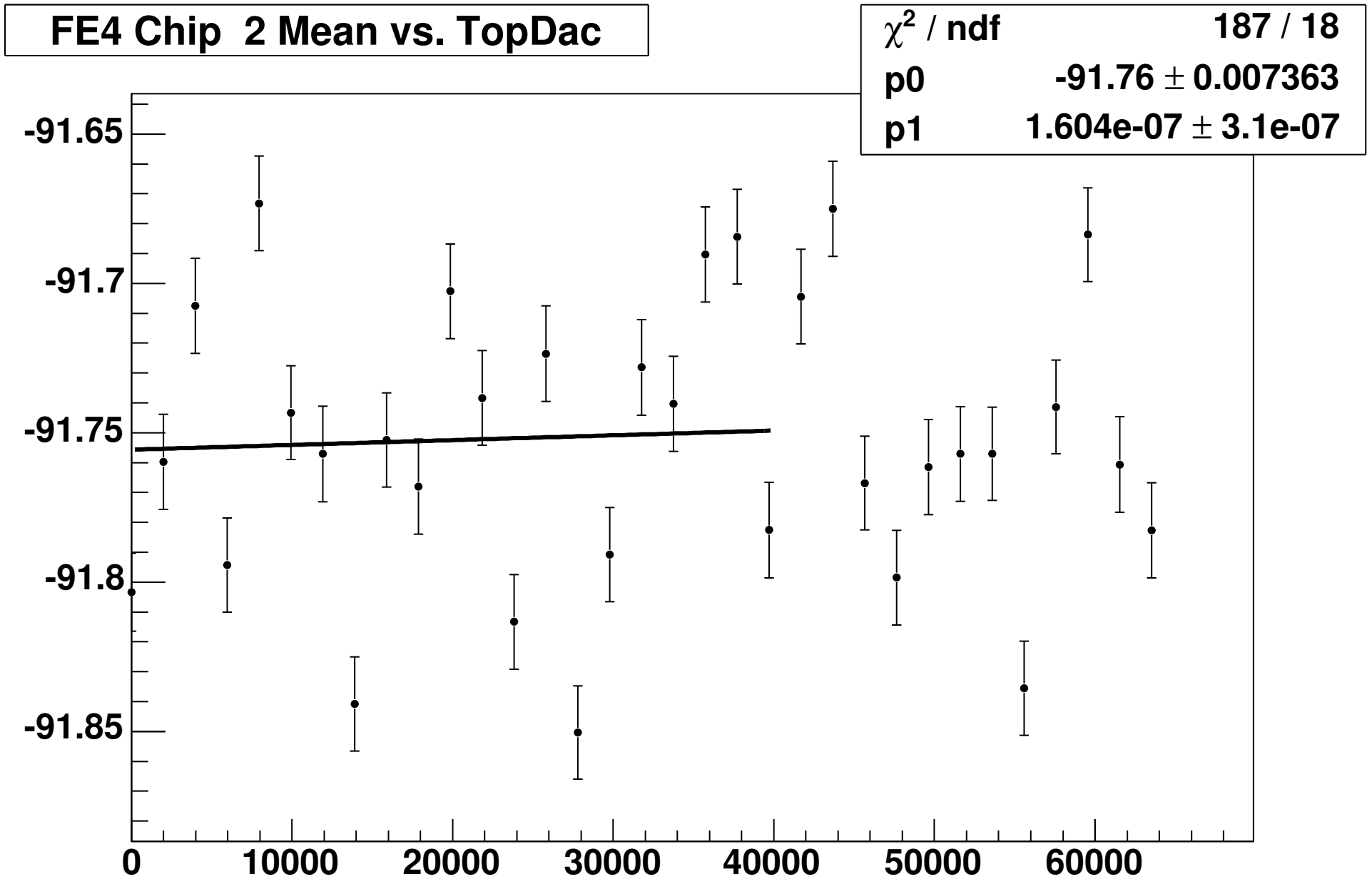
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 187 / 18
p0 -91.76 ± 0.007363
p1 1.604e-07 ± 3.1e-07
-91.65
-91.7
-91.75
-91.8
-91.85
0
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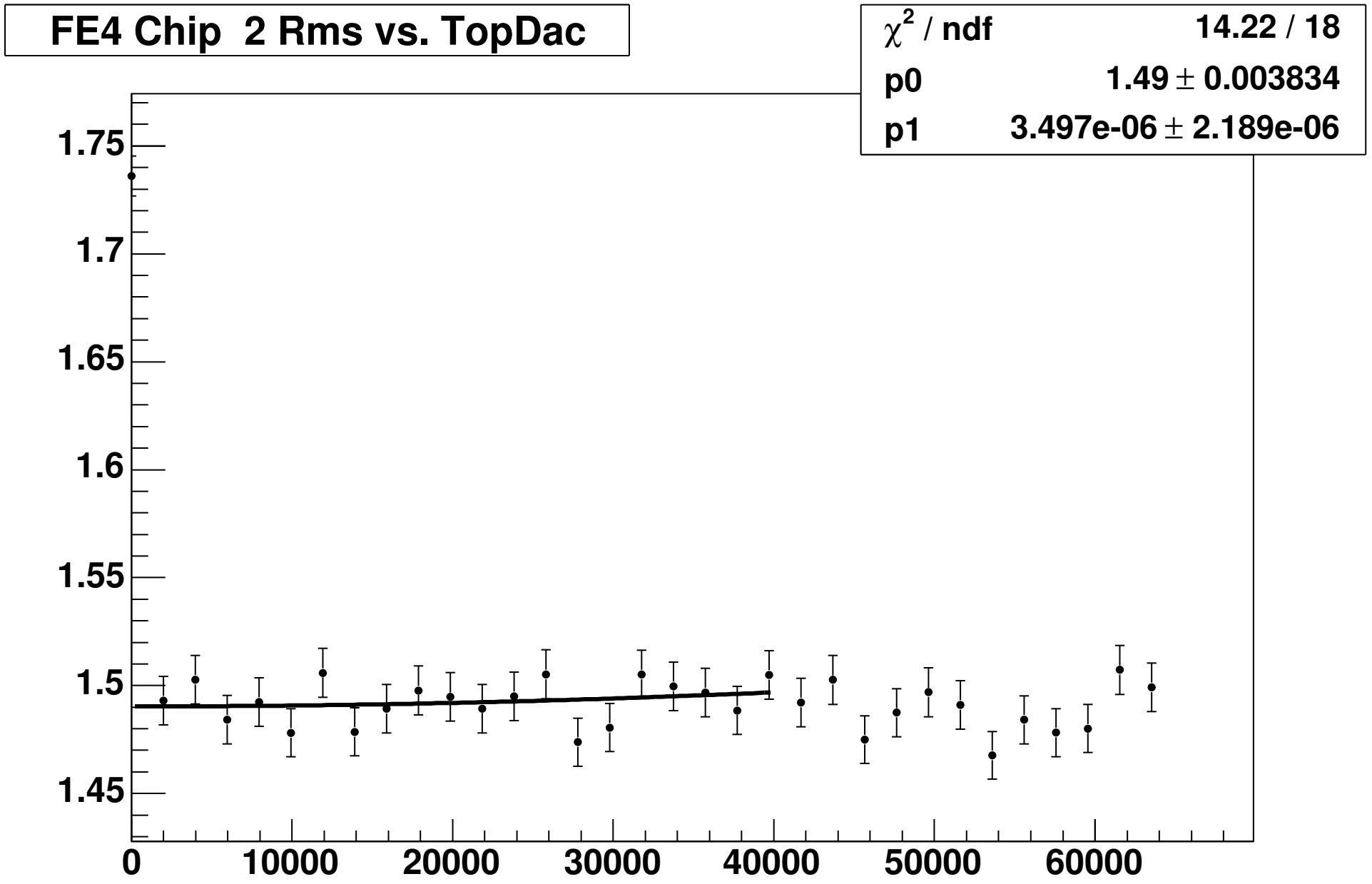
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 14.22 / 18
p0 1.49 ± 0.003834
p1 3.497e-06 ± 2.189e-06
1.75
1.7
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1.6
1.55
1.5
1.45
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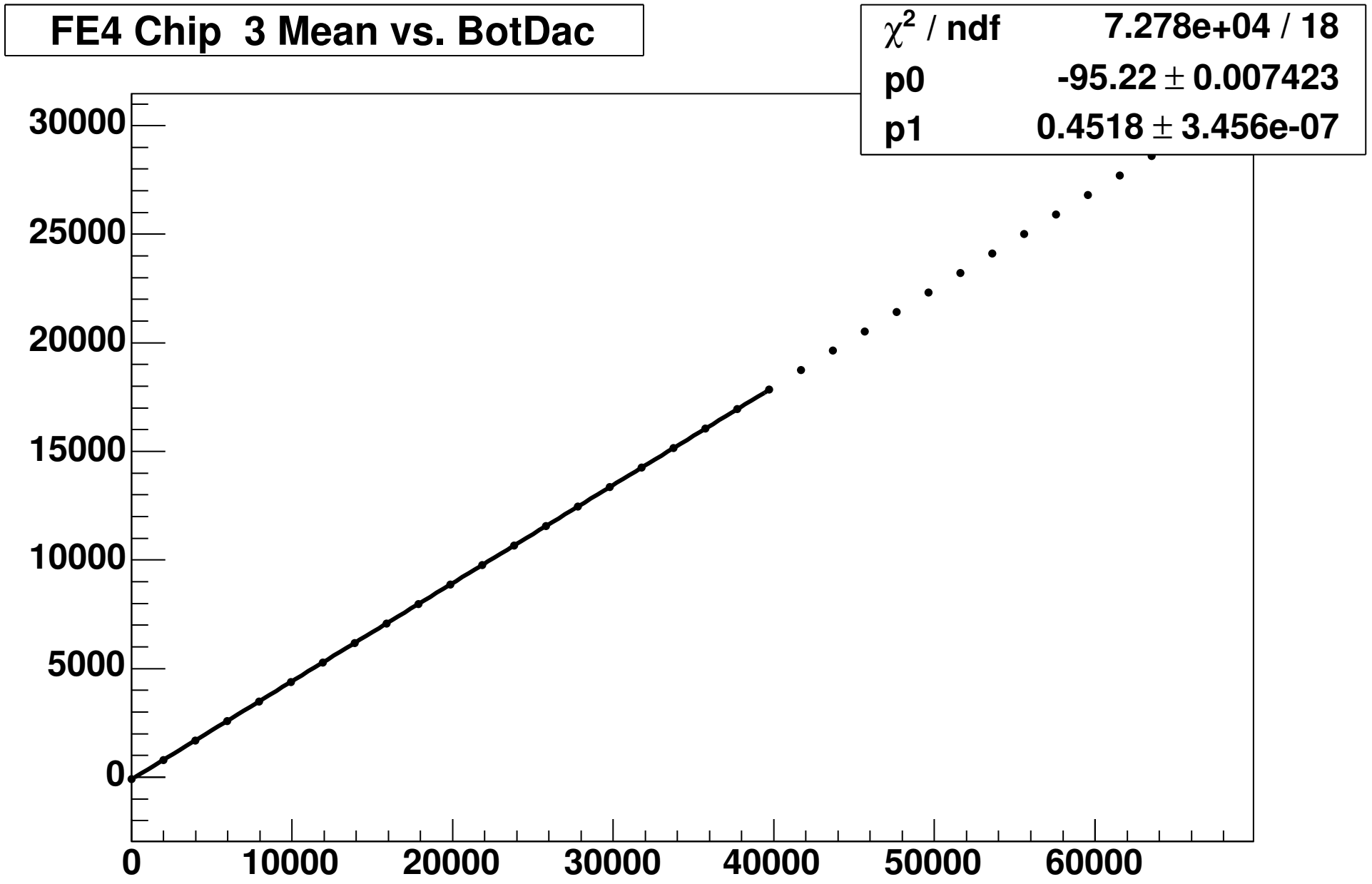
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 7.278e+04 / 18
p0 -95.22 ± 0.007423
p1 0.4518 ± 3.456e-07
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10000
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10000
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50000
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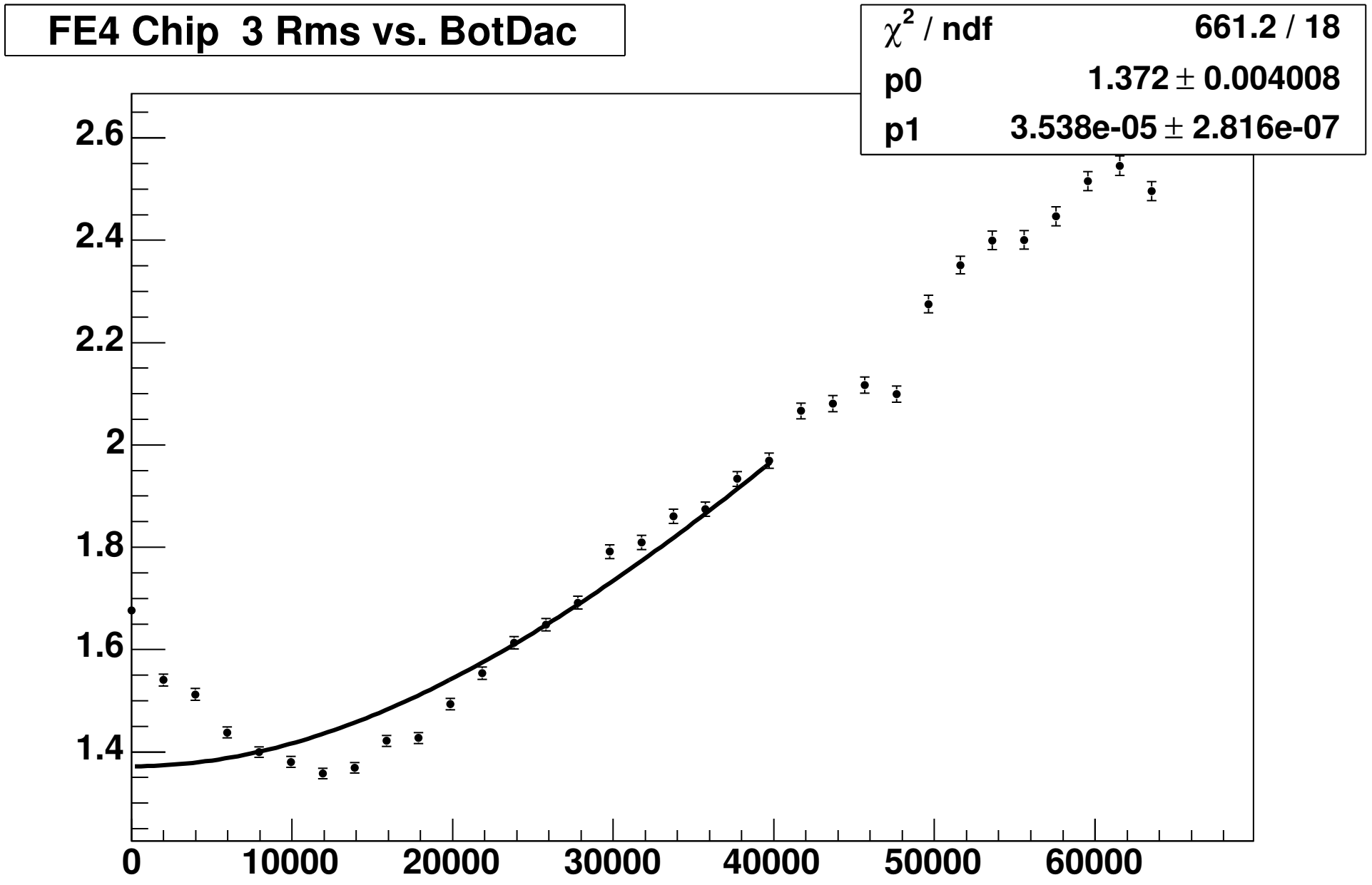
FE4 Chip 3 Rms vs. BotDac
χ² / ndf 661.2 / 18
p0 1.372 ± 0.004008
p1 3.538e-05 ± 2.816e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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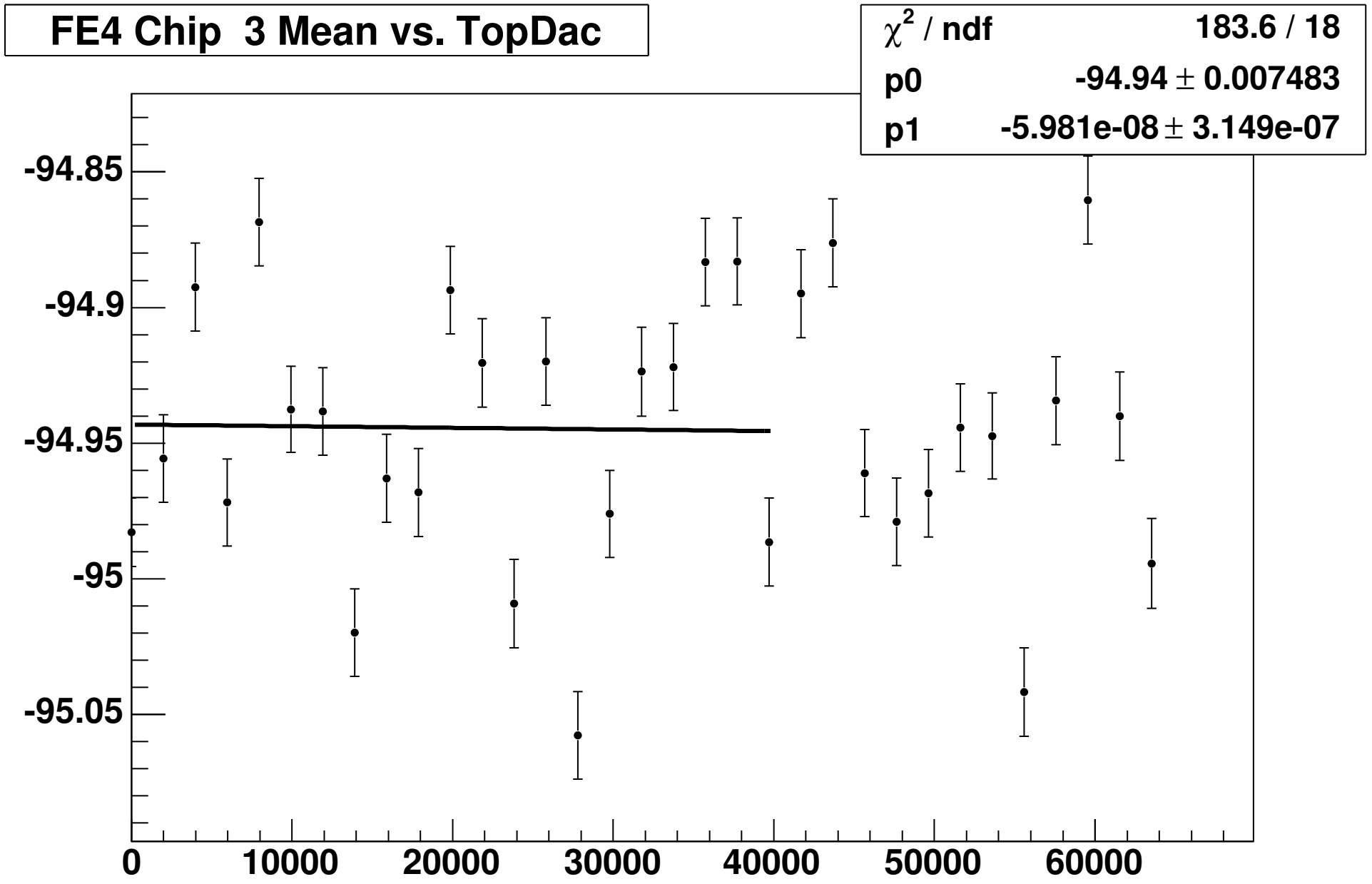
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 183.6 / 18
p0 -94.94 ± 0.007483
p1 -5.981e-08 ± 3.149e-07
-94.85
-94.9
-94.95
-95
-95.05
0
10000
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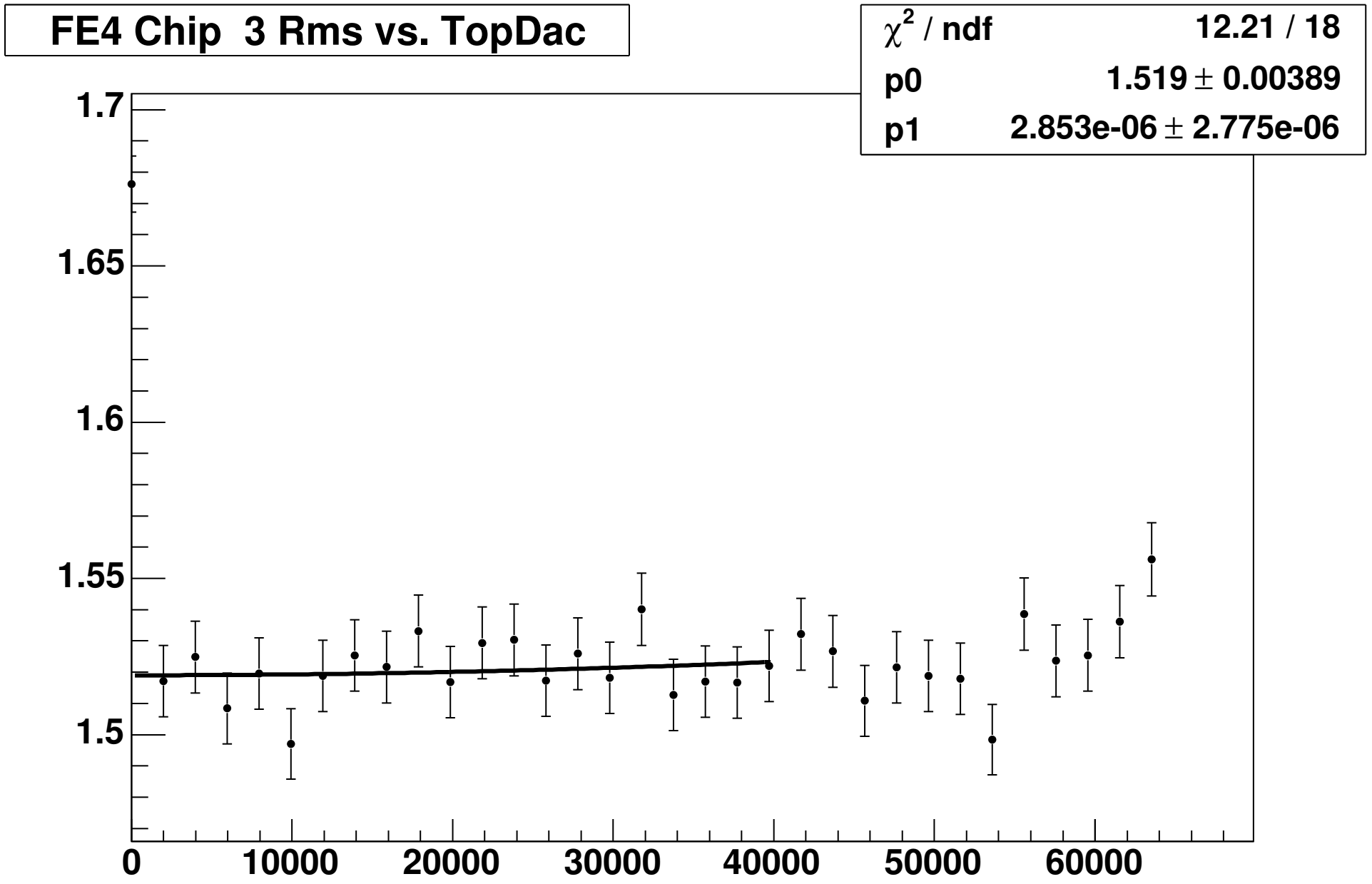
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 12.21 / 18
p0 1.519 ± 0.00389
p1 2.853e-06 ± 2.775e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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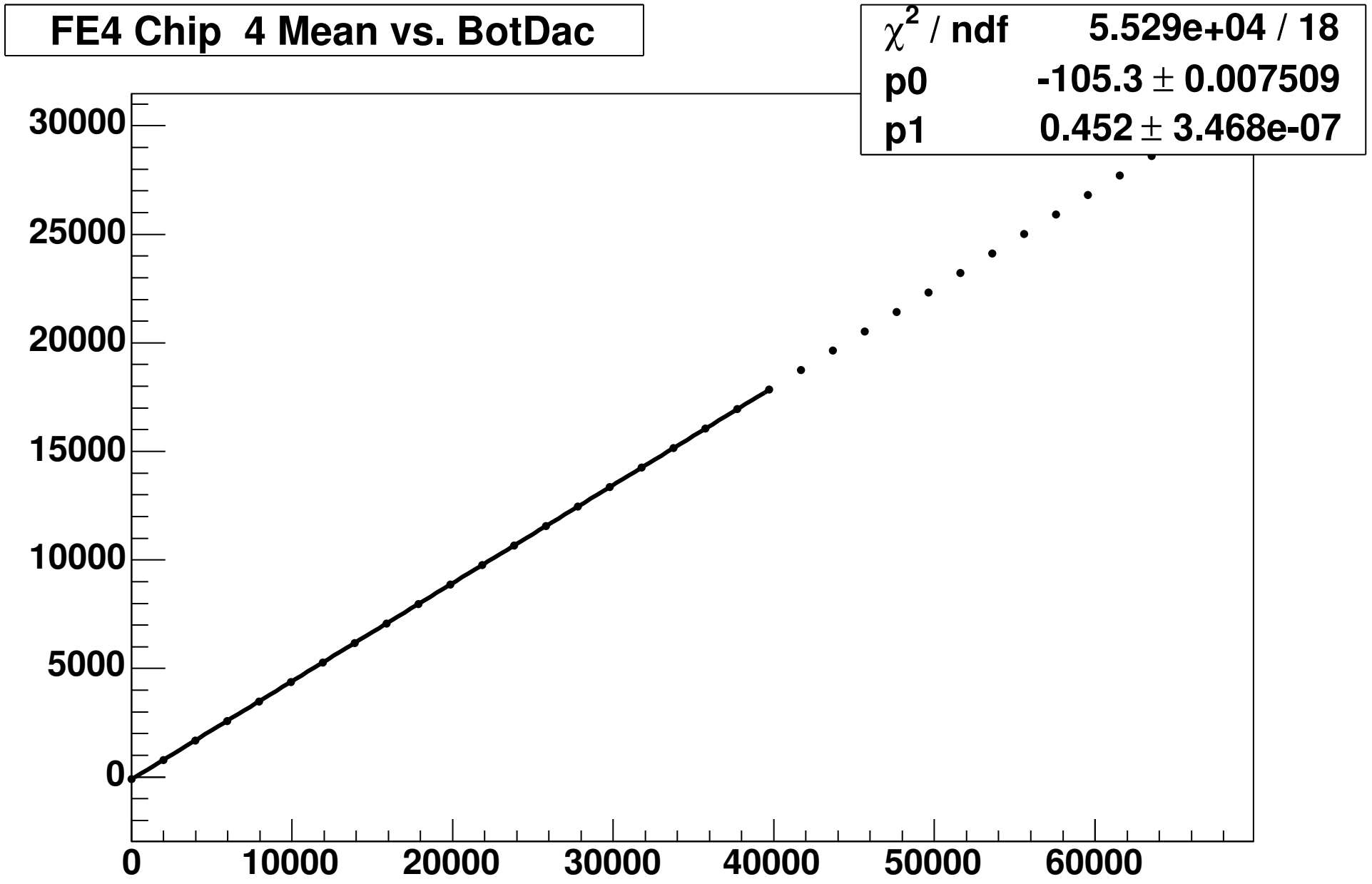
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 5.529e+04 / 18
p0 -105.3 ± 0.007509
p1 0.452 ± 3.468e-07
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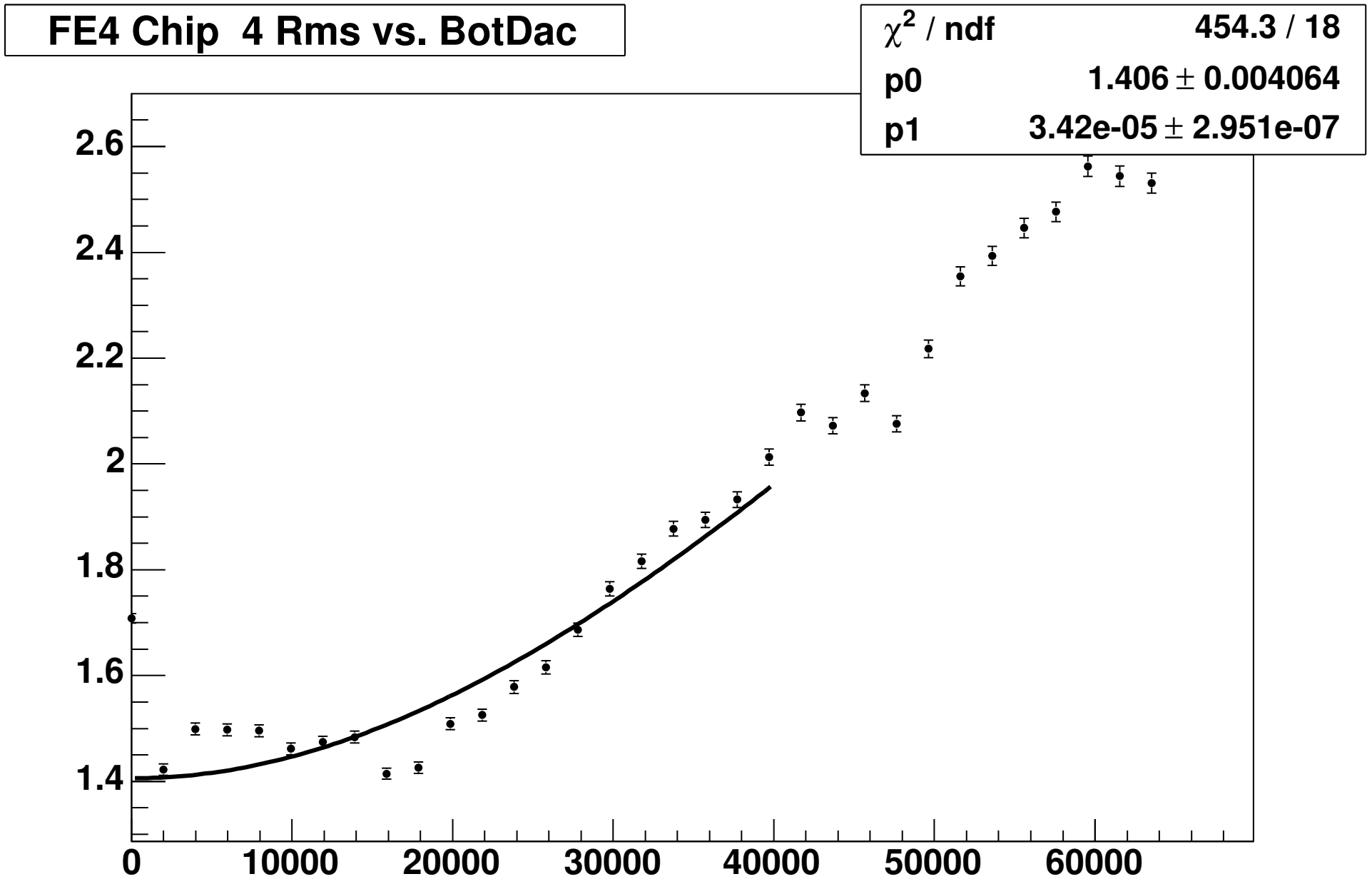
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 454.3 / 18
p0 1.406 ± 0.004064
p1 3.42e-05 ± 2.951e-07
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2.4
2.2
2
1.8
1.6
1.4
0
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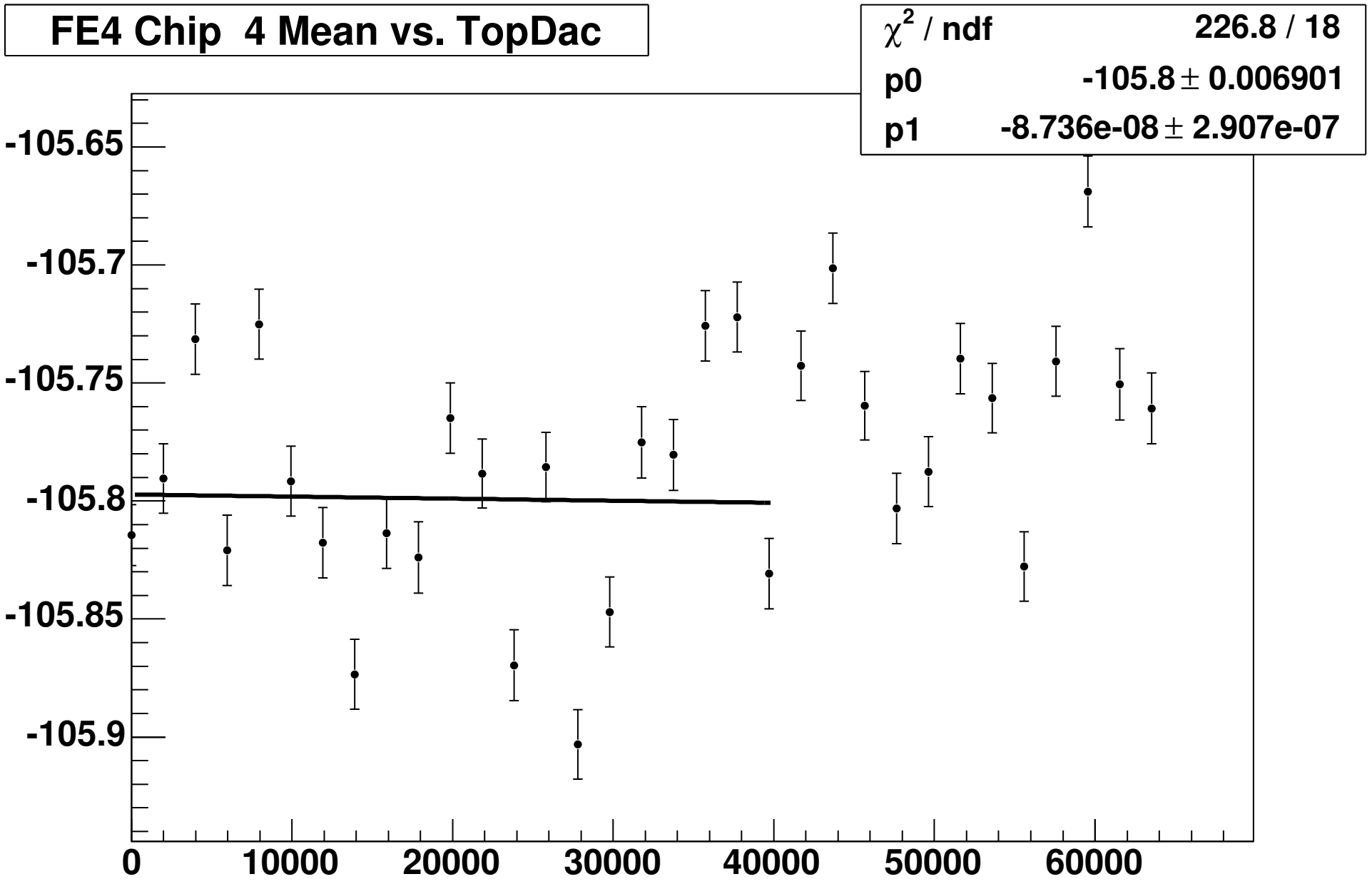
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 226.8 / 18
p0 -105.8 ± 0.006901
p1 -8.736e-08 ± 2.907e-07
-105.65
-105.7
-105.75
-105.8
-105.85
-105.9
0
10000
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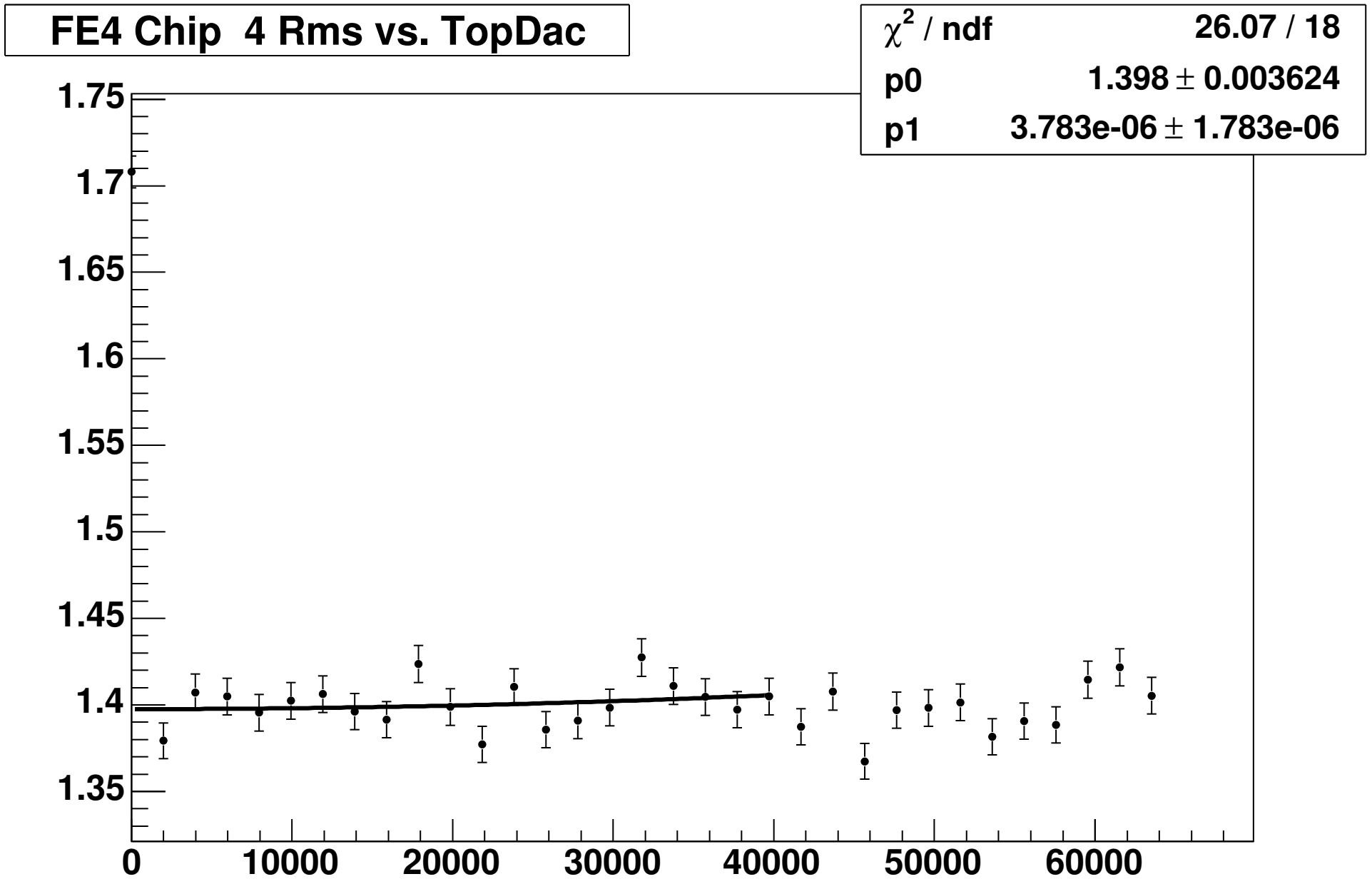
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 26.07 / 18
p0 1.398 ± 0.003624
p1 3.783e-06 ± 1.783e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
1.35
0
10000
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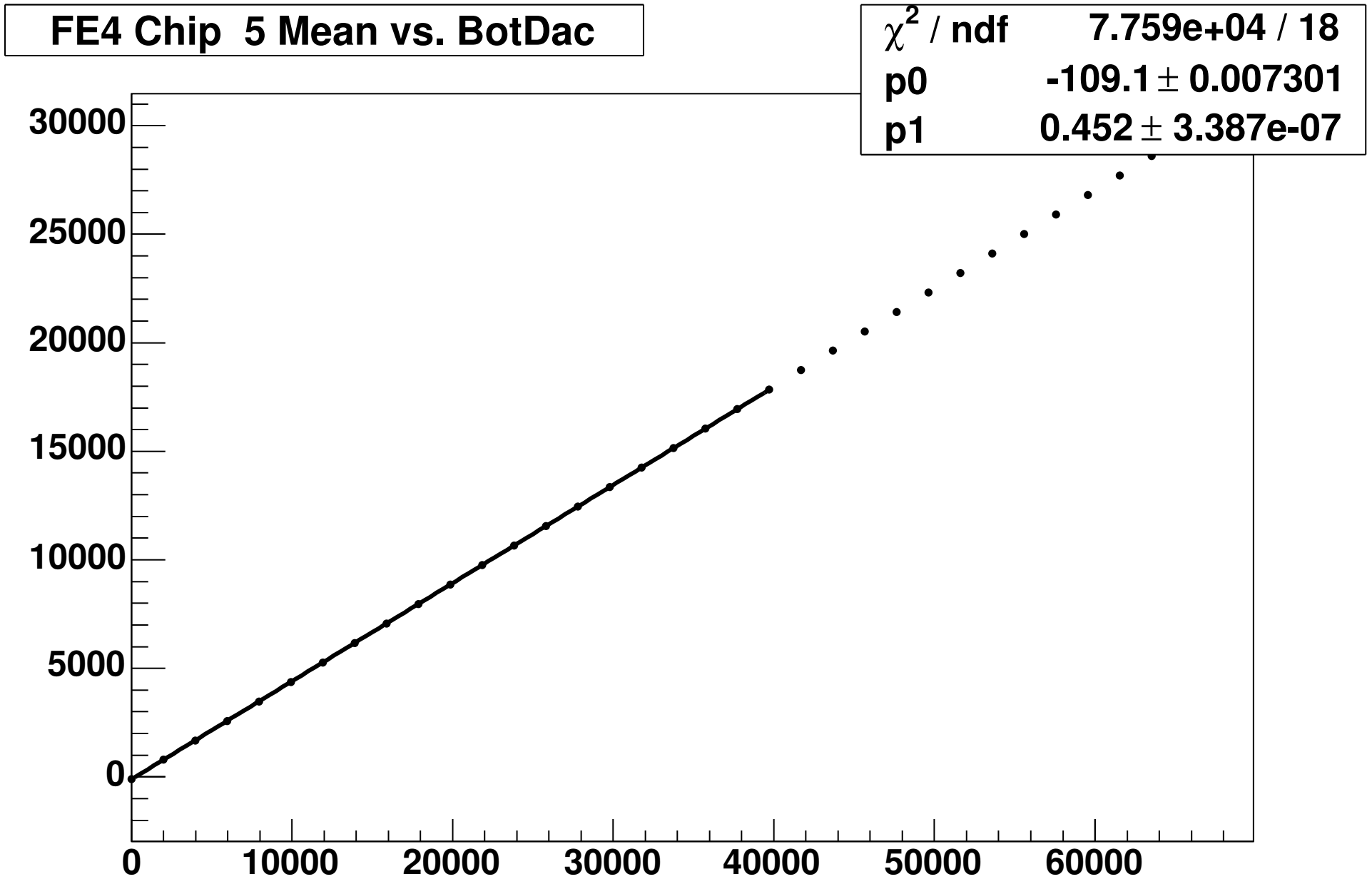
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 7.759e+04 / 18
p0 -109.1 ± 0.007301
p1 0.452 ± 3.387e-07
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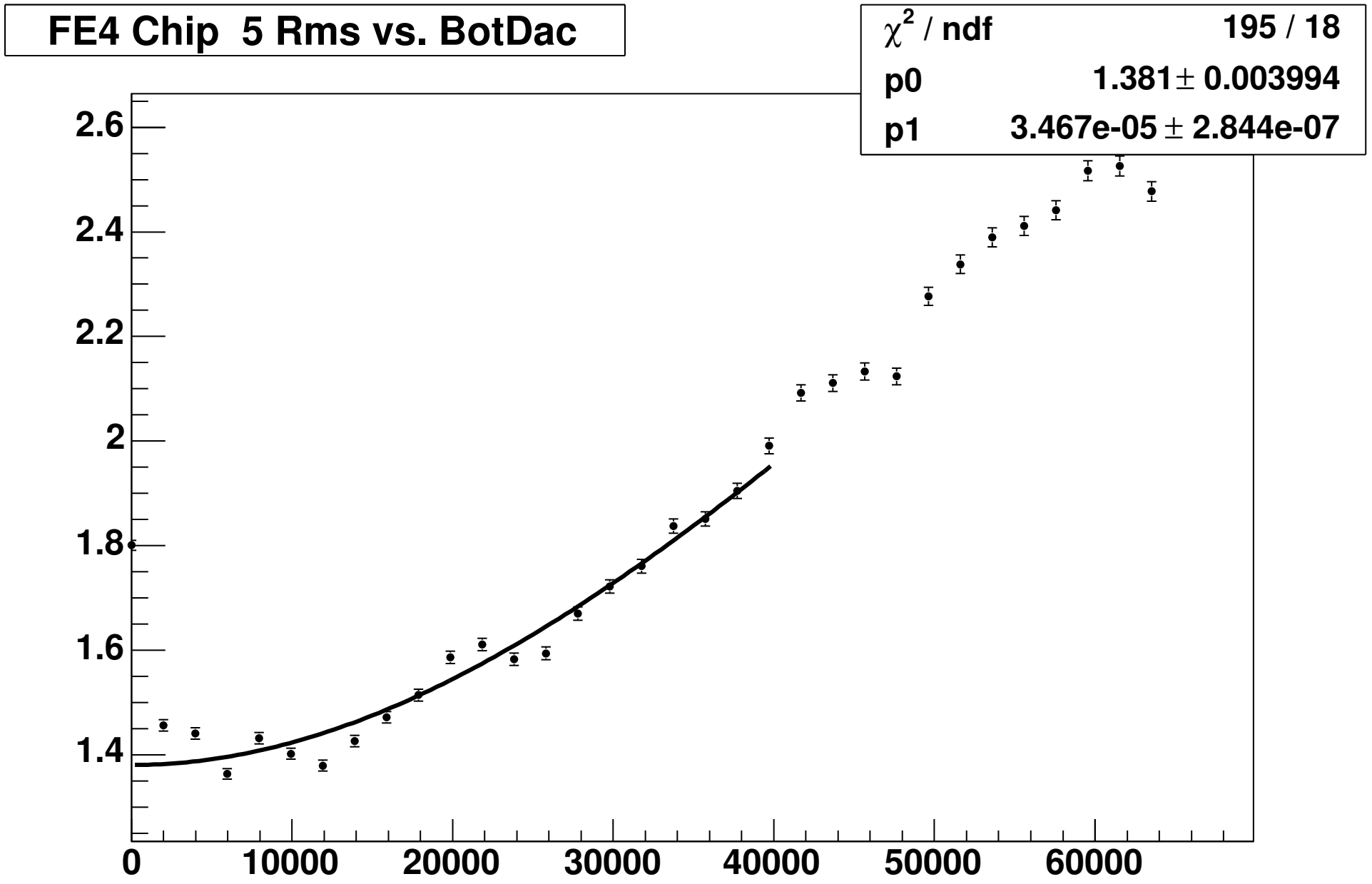
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 195 / 18
p0 1.381 ± 0.003994
p1 3.467e-05 ± 2.844e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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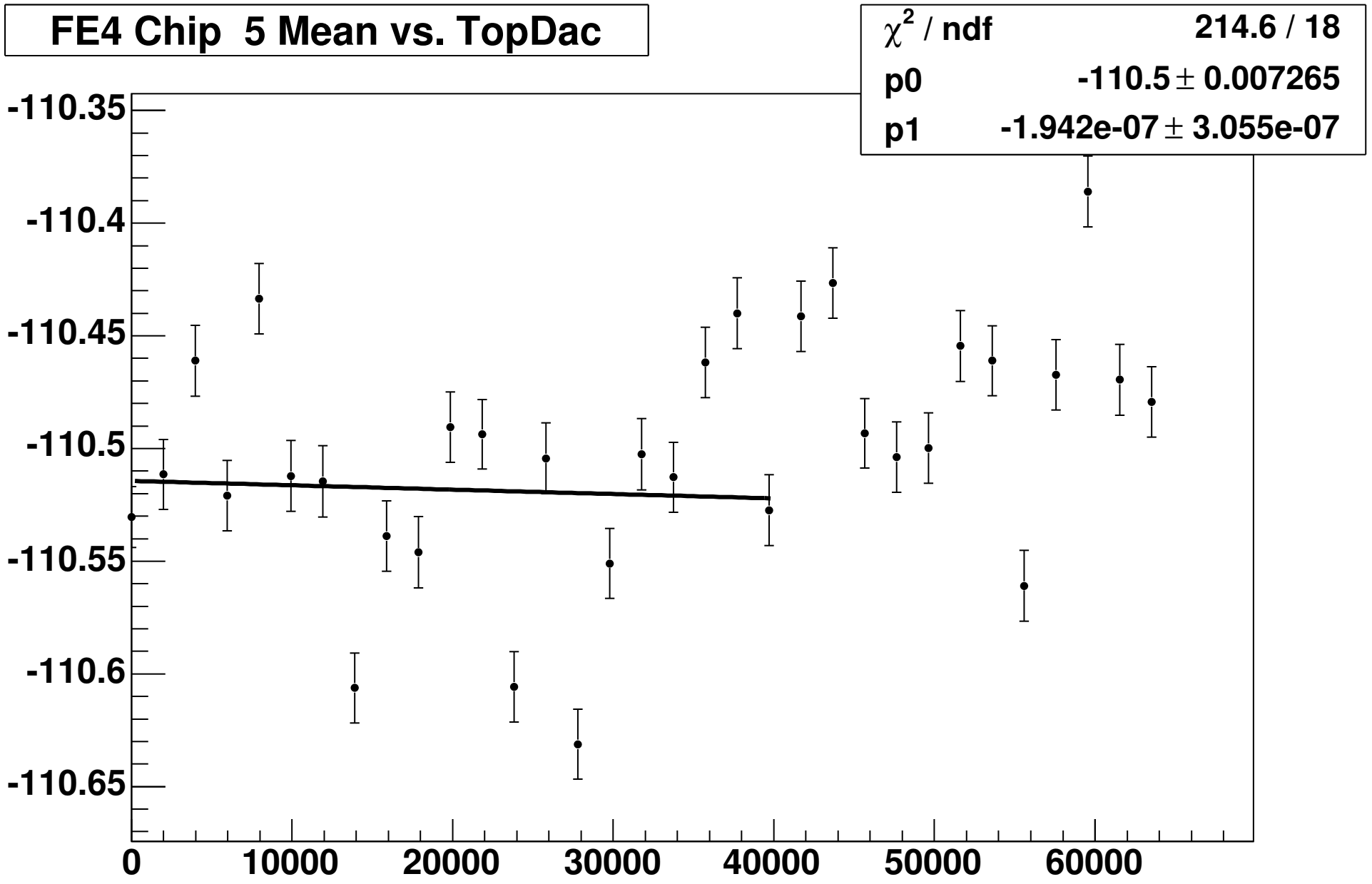
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 214.6 / 18
p0 -110.5 ± 0.007265
p1 -1.942e-07 ± 3.055e-07
-110.35
-110.4
-110.45
-110.5
-110.55
-110.6
-110.65
0
10000
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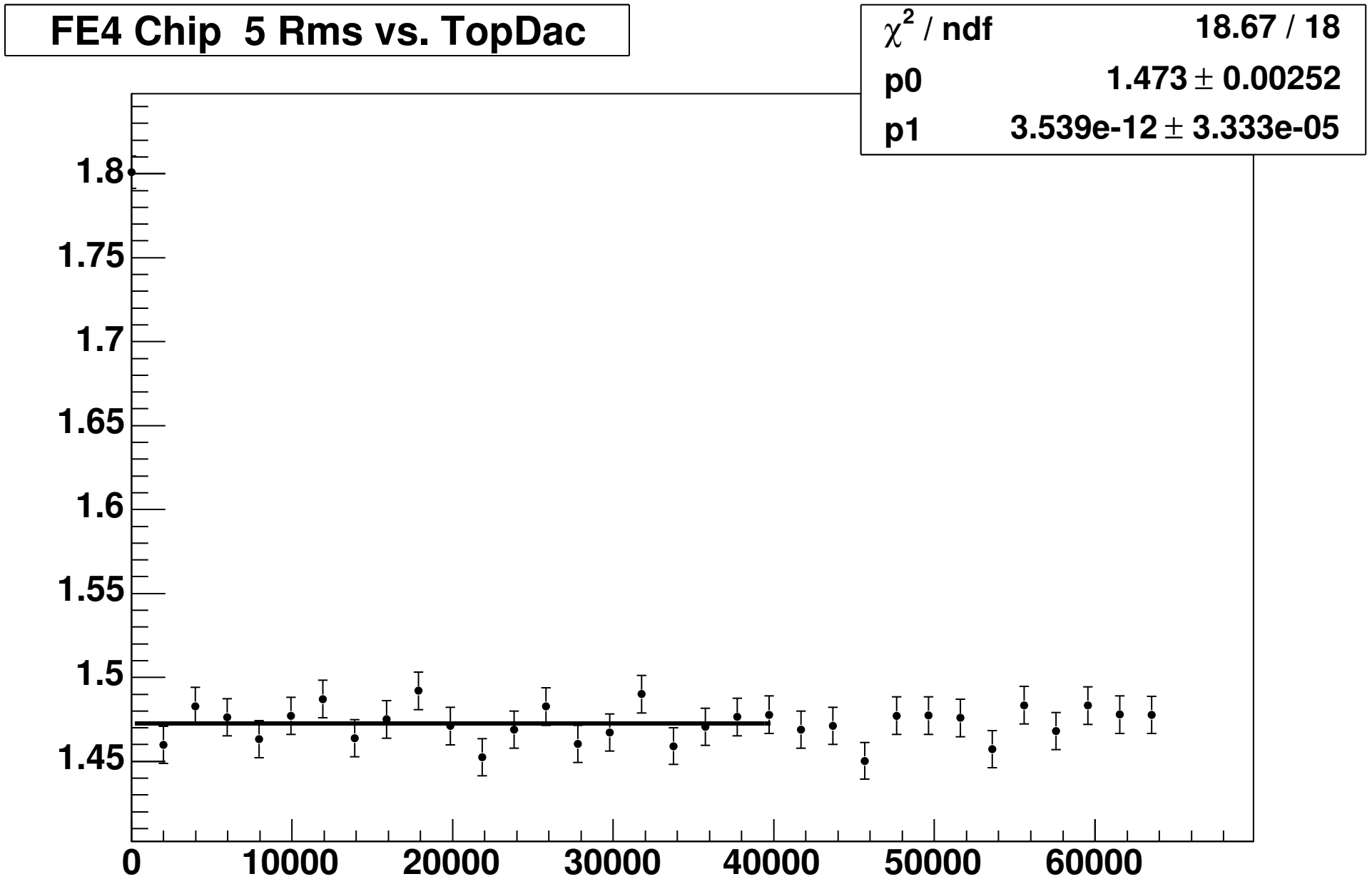
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 18.67 / 18
p0 1.473 ± 0.00252
p1 3.539e-12 ± 3.333e-05
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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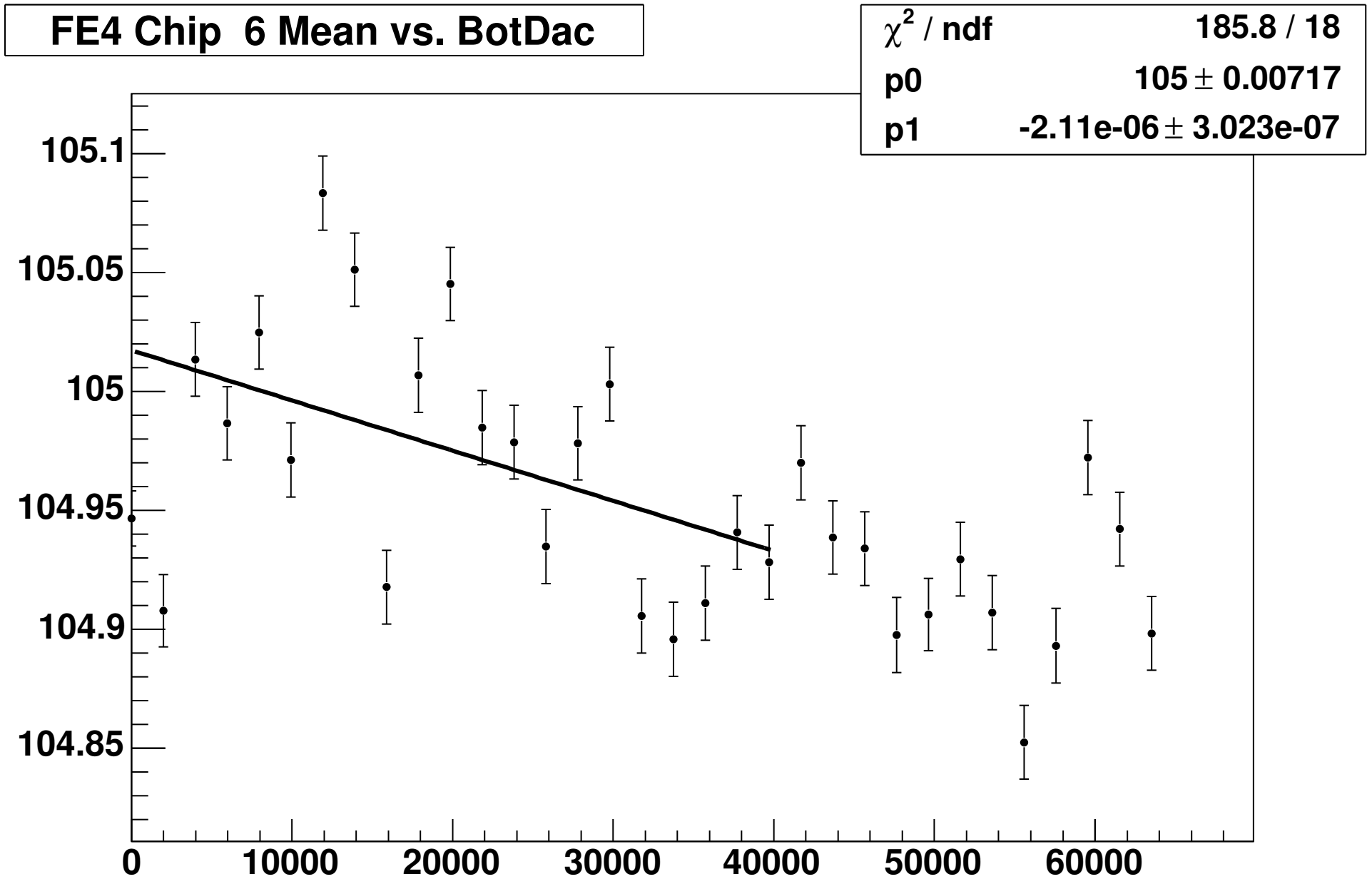
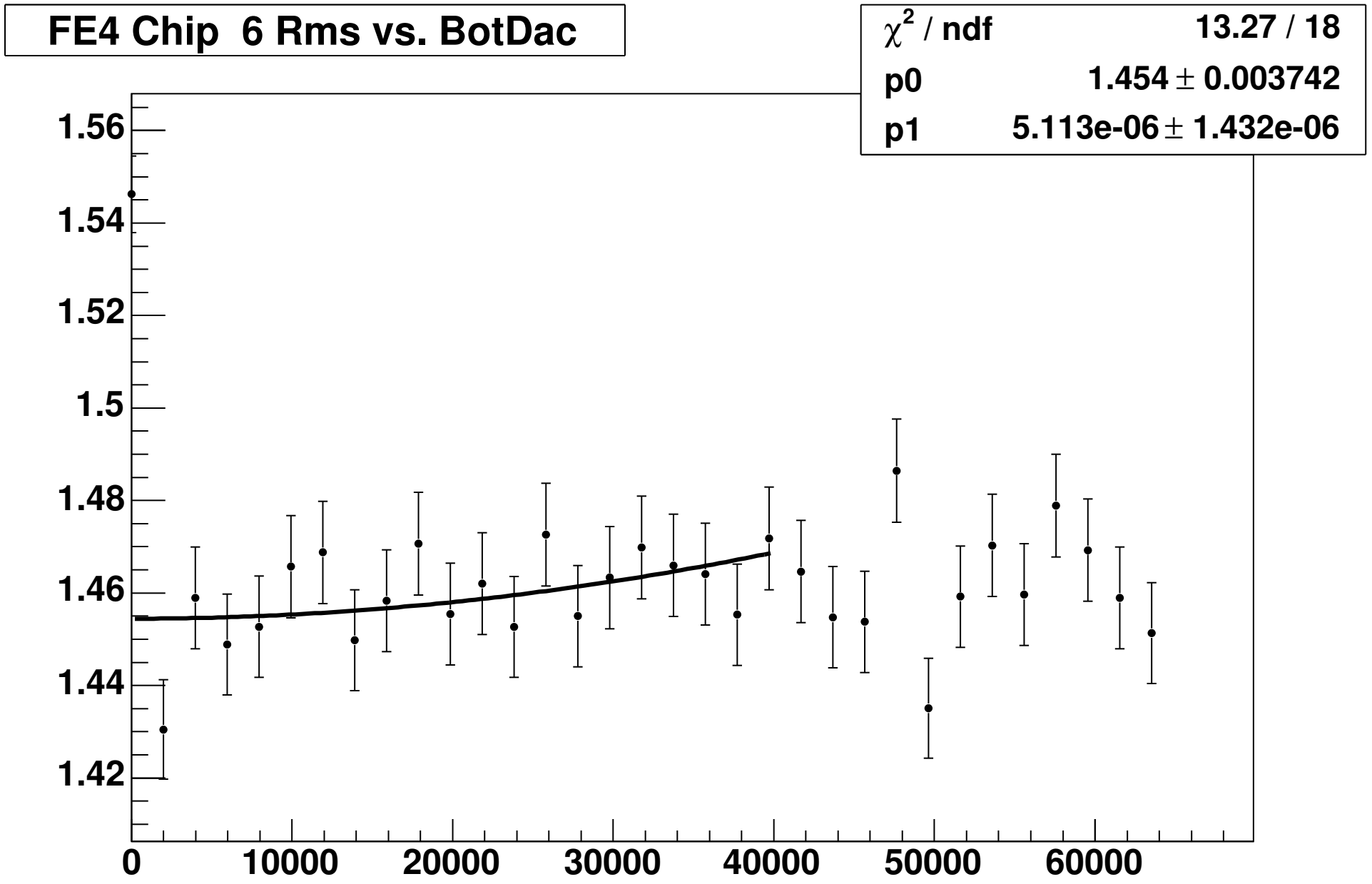
30000
40000
50000
60000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 185.8 / 18
p0 105 ± 0.00717
p1 -2.11e-06 ± 3.023e-07
105.1
105.05
105
104.95
104.9
104.85
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 13.27 / 18
p0 1.454 ± 0.003742
p1 5.113e-06 ± 1.432e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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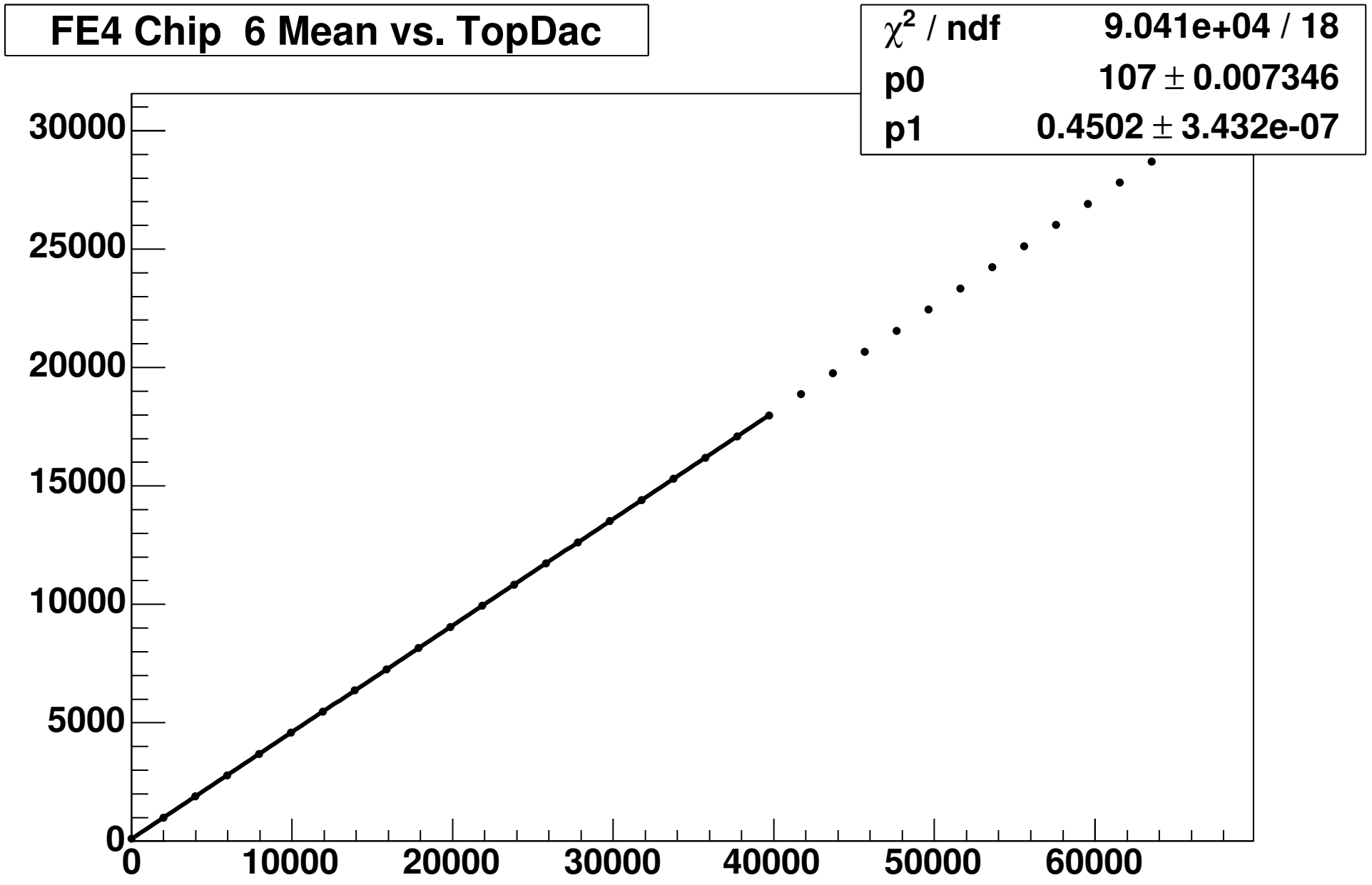
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 9.041e+04 / 18
p0 107 ± 0.007346
p1 0.4502 ± 3.432e-07
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25000
20000
15000
10000
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10000
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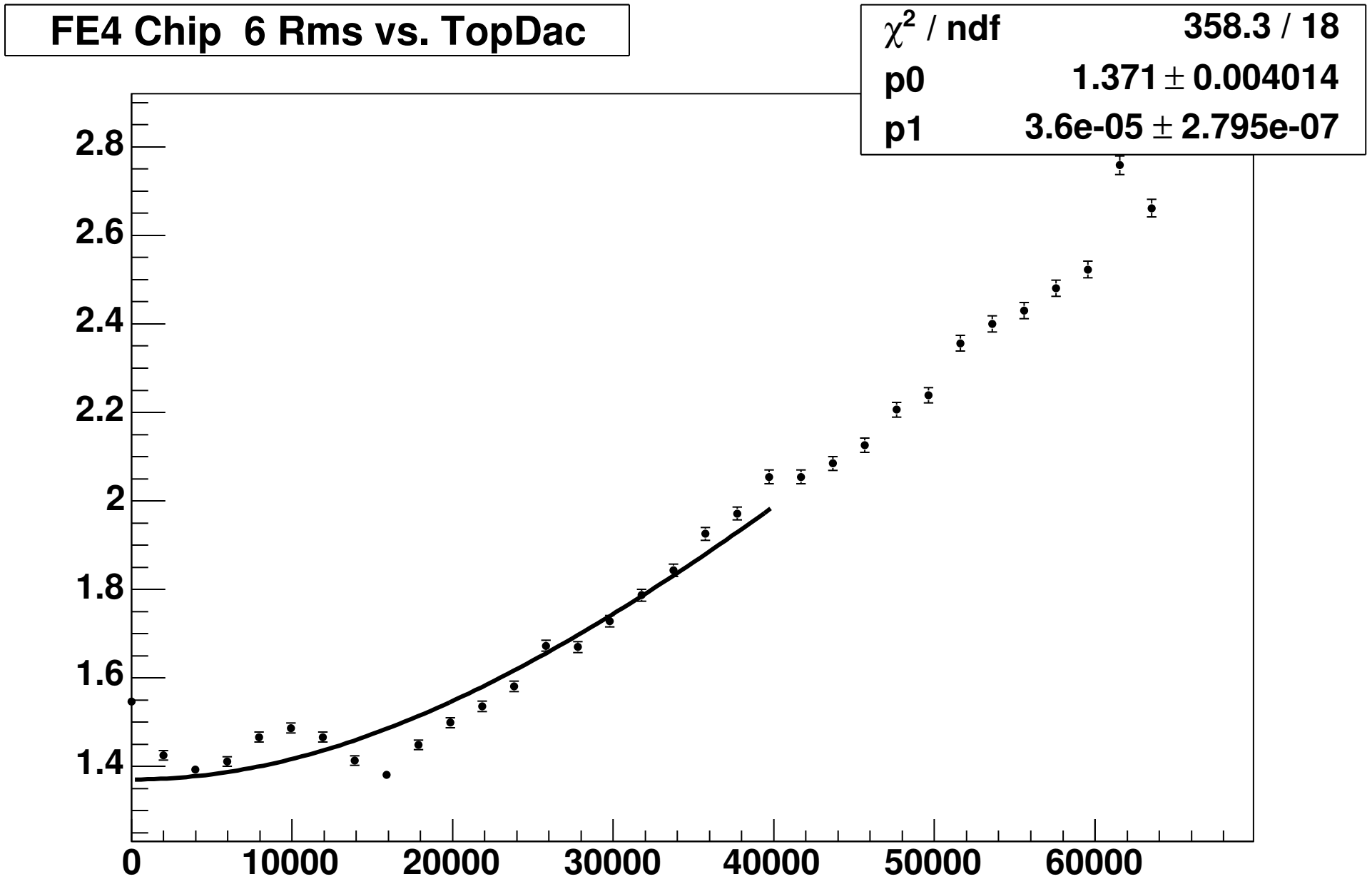
30000
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 358.3 / 18
p0 1.371 ± 0.004014
p1 3.6e-05 ± 2.795e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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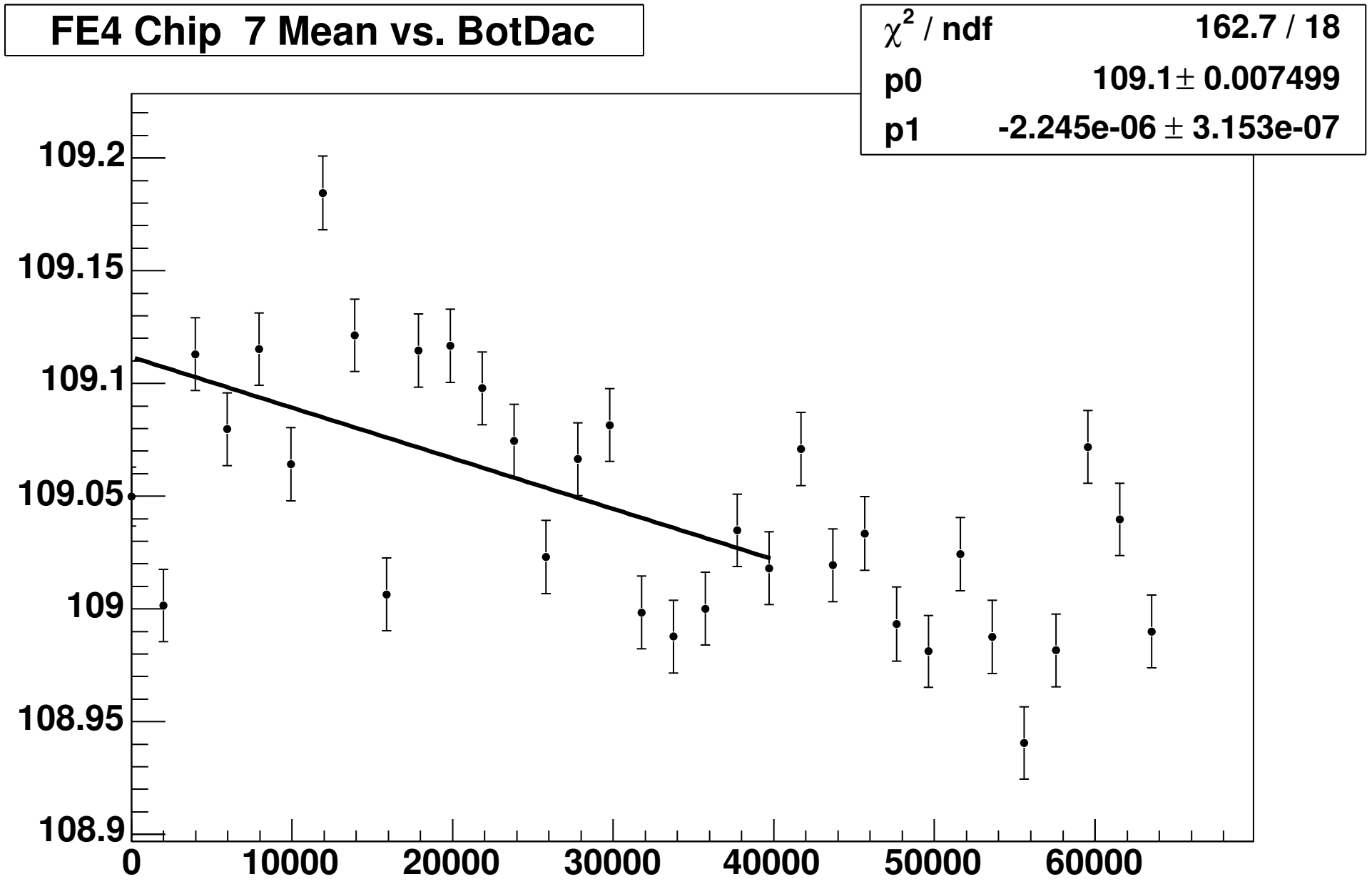
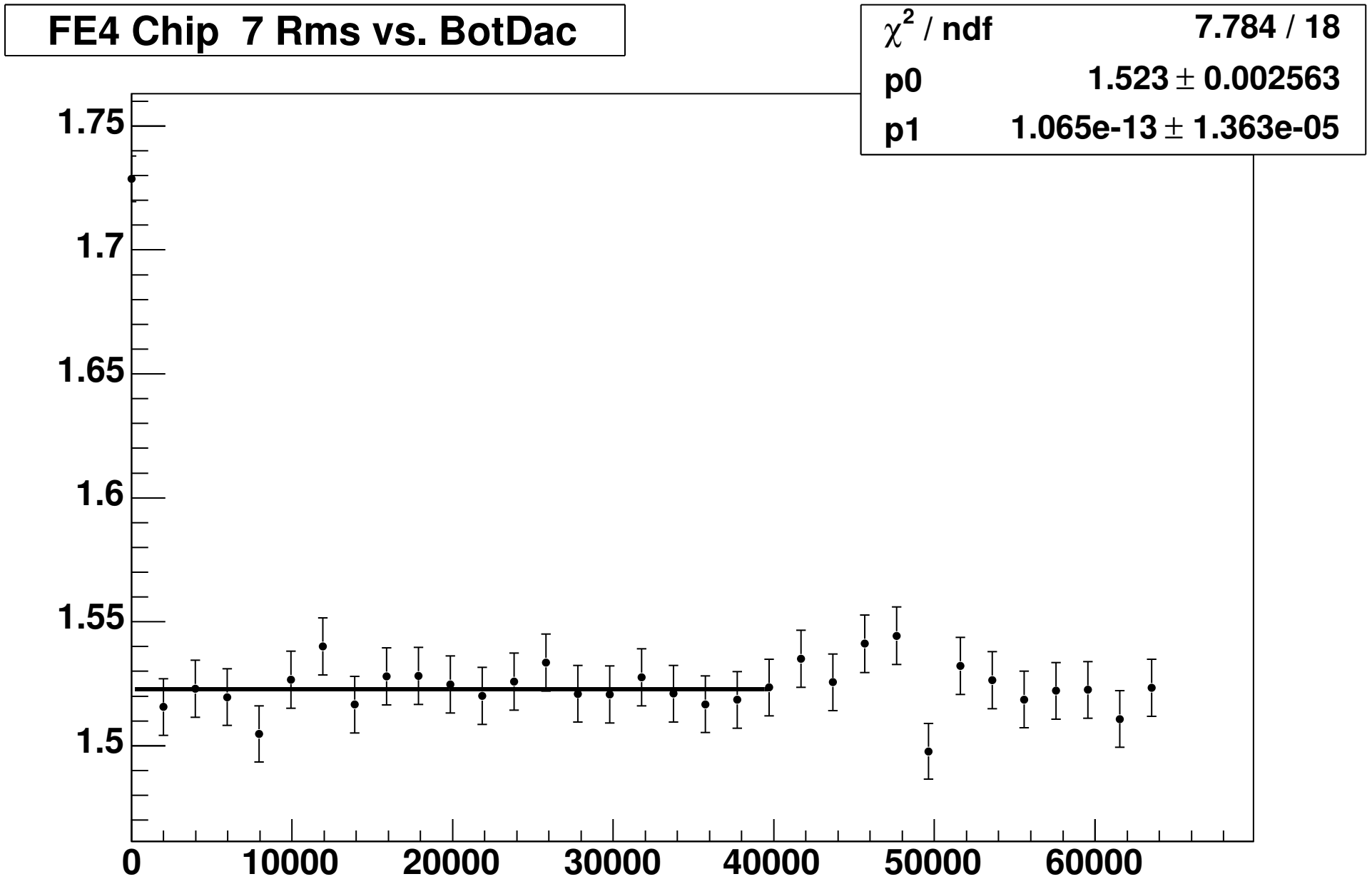
30000
40000
50000
60000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 162.7 / 18
p0 109.1 ± 0.007499
p1 -2.245e-06 ± 3.153e-07
109.2
109.15
109.1
109.05
109
108.95
108.9
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 7.784 / 18
p0 1.523 ± 0.002563
p1 1.065e-13 ± 1.363e-05
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
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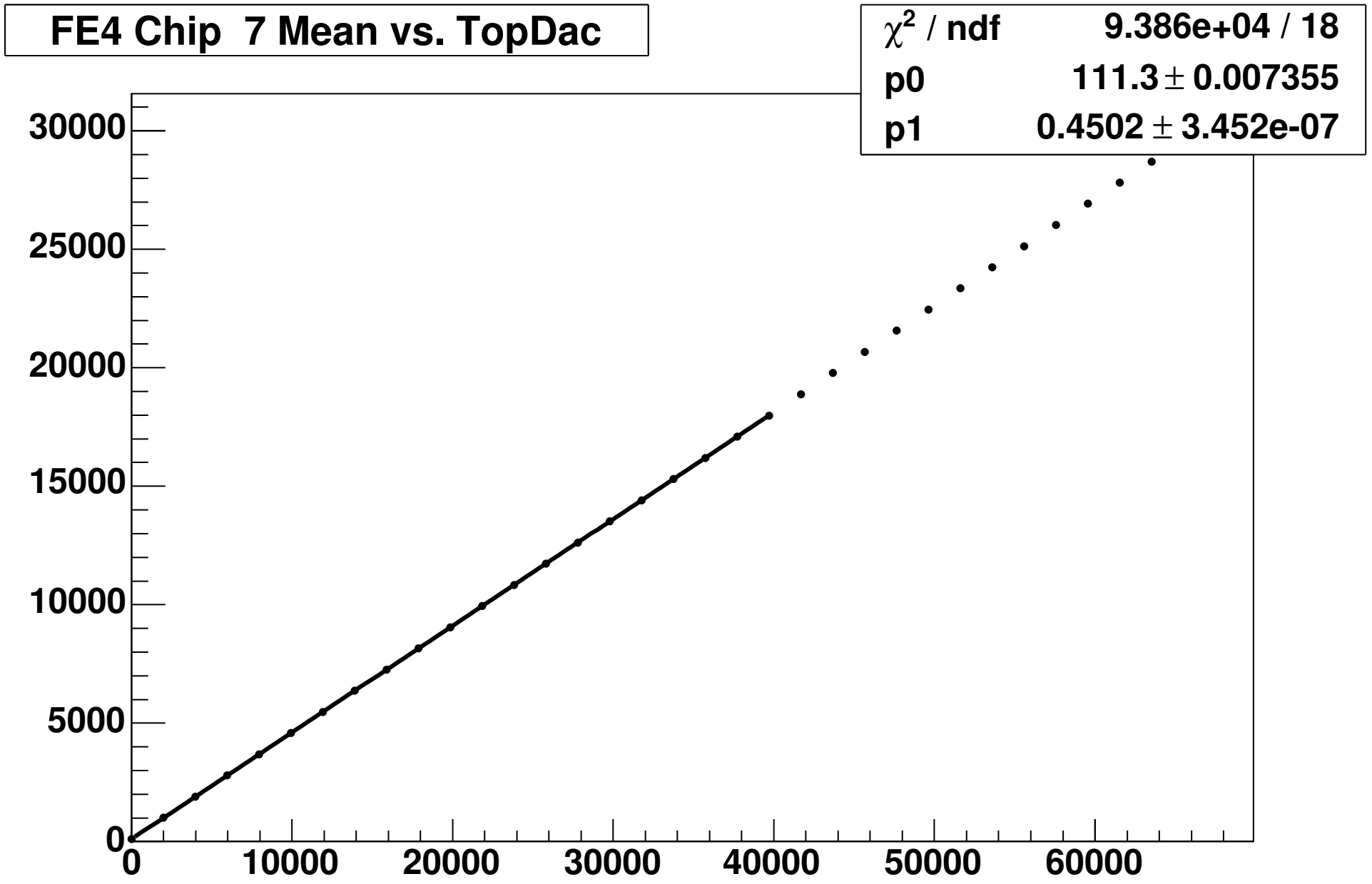
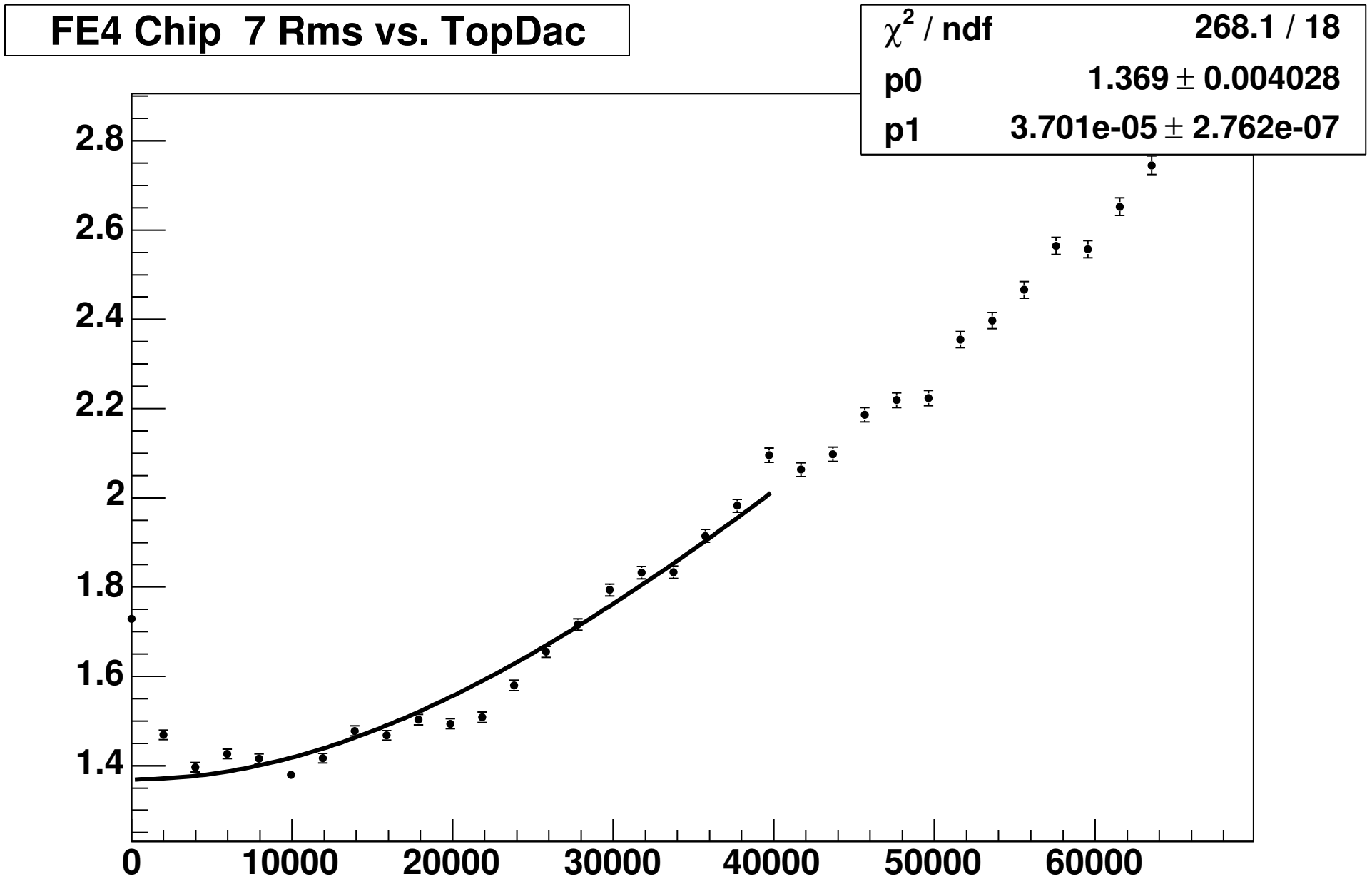
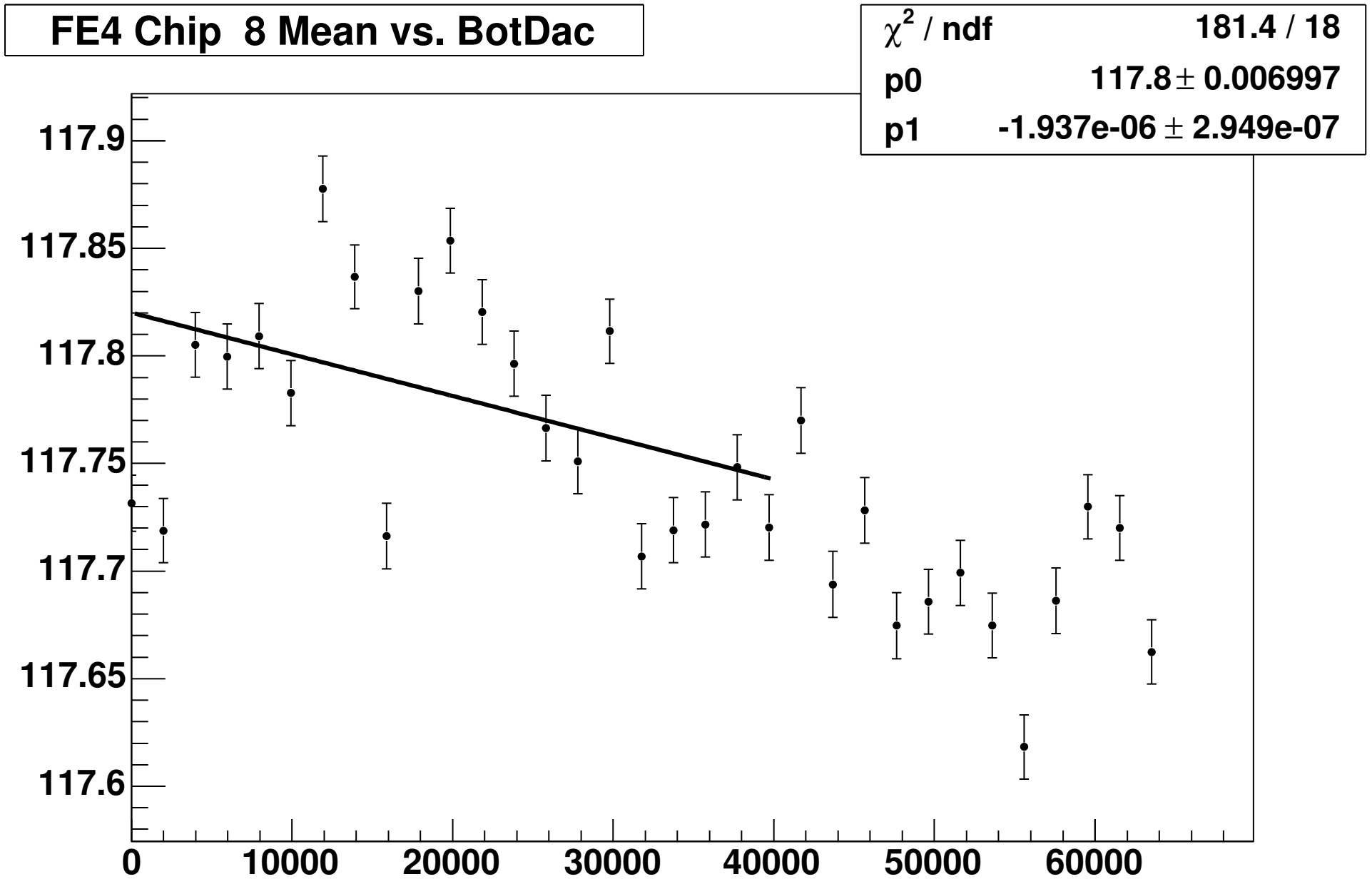
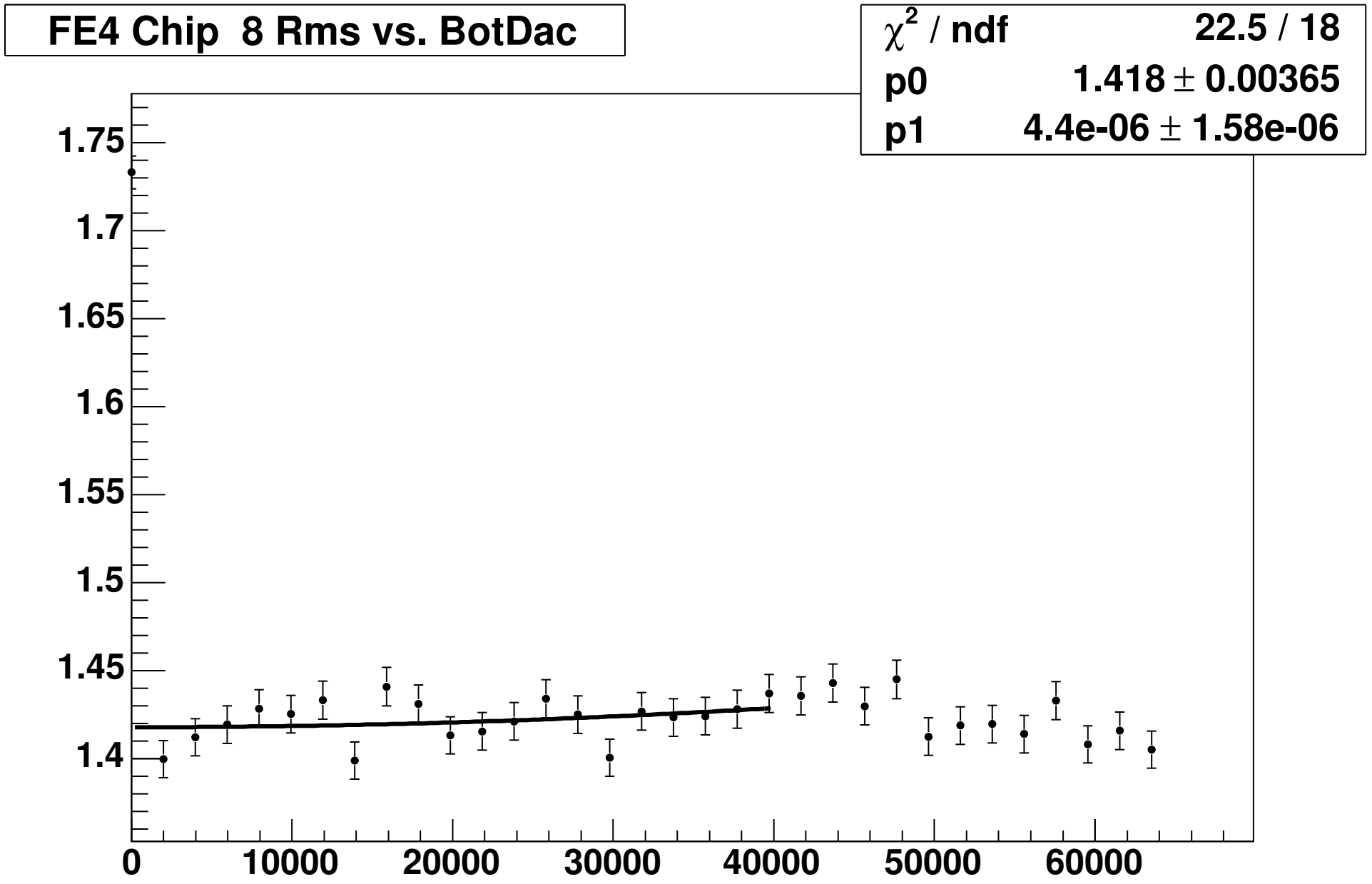
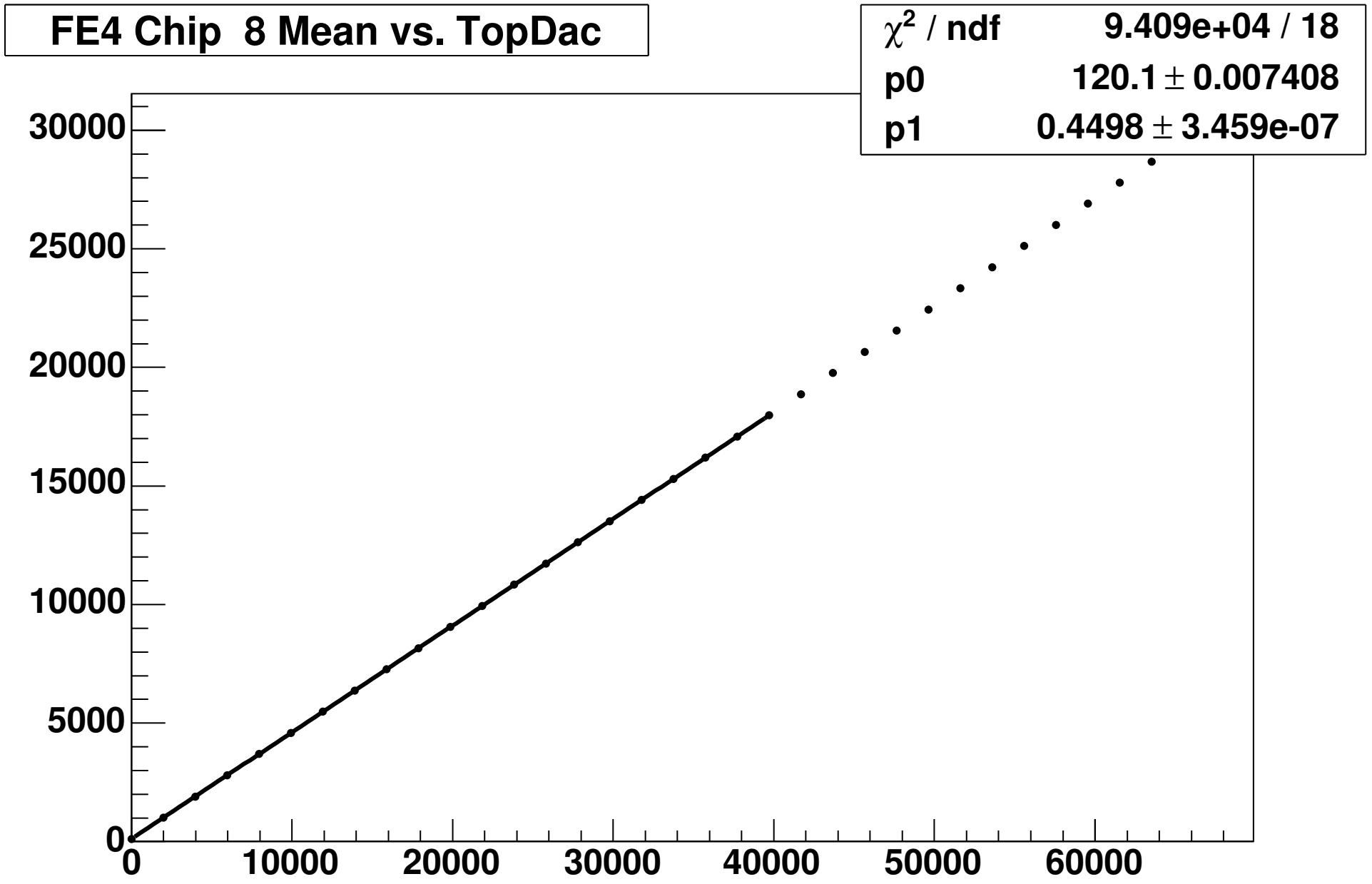
50000
60000

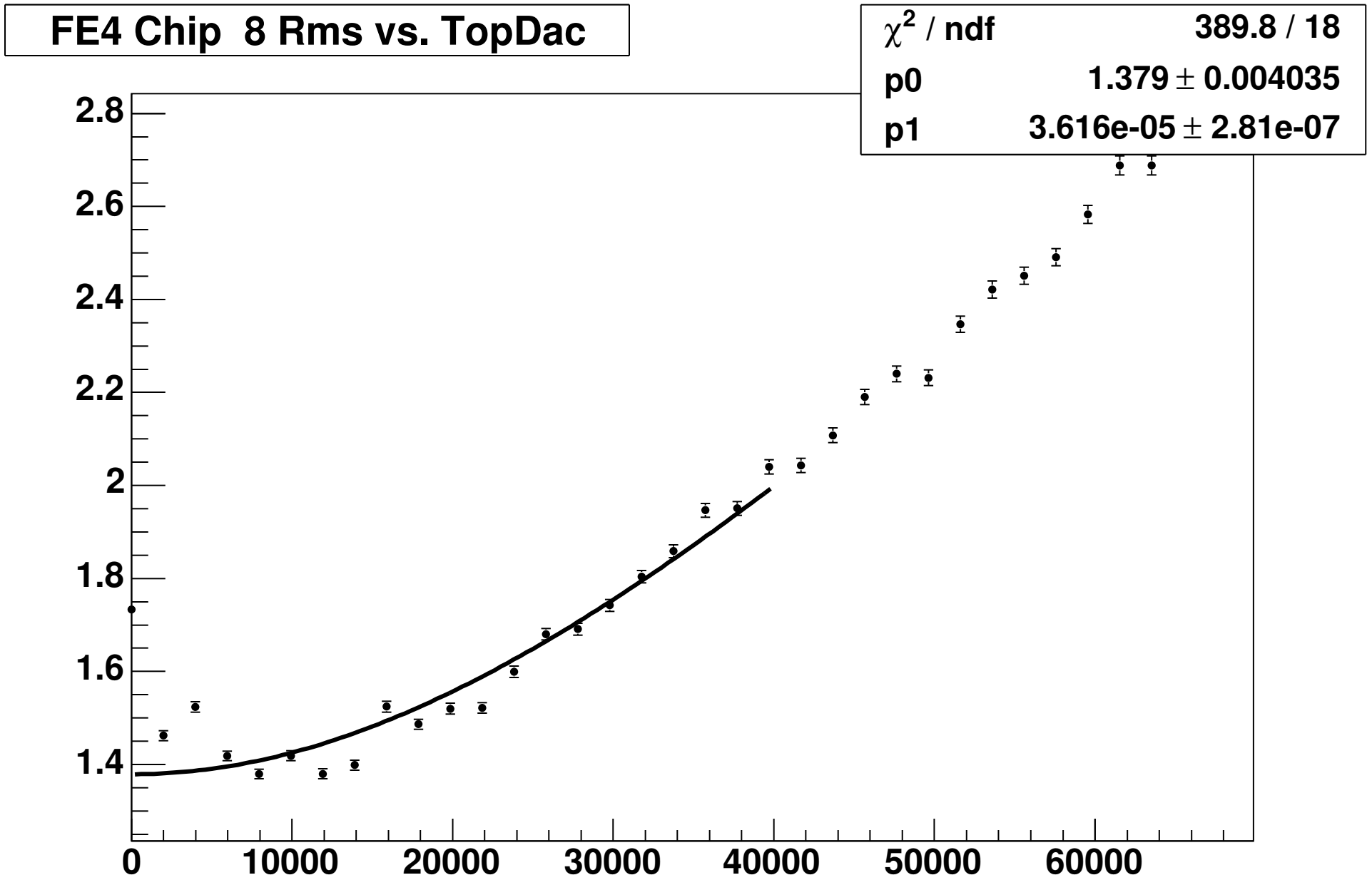

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 9.386e+04 / 18
p0 111.3 ± 0.007355
p1 0.4502 ± 3.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 268.1 / 18
p0 1.369 ± 0.004028
p1 3.701e-05 ± 2.762e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. BotDac
χ^2 / ndf 181.4 / 18
p0 117.8 ± 0.006997
p1 -1.937e-06 ± 2.949e-07
117.9
117.85
117.8
117.75
117.7
117.65
117.6
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 22.5 / 18
p0 1.418 ± 0.00365
p1 4.4e-06 ± 1.58e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 9.409e+04 / 18
p0 120.1 ± 0.007408
p1 0.4498 ± 3.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 389.8 / 18
p0 1.379 ± 0.004035
p1 3.616e-05 ± 2.81e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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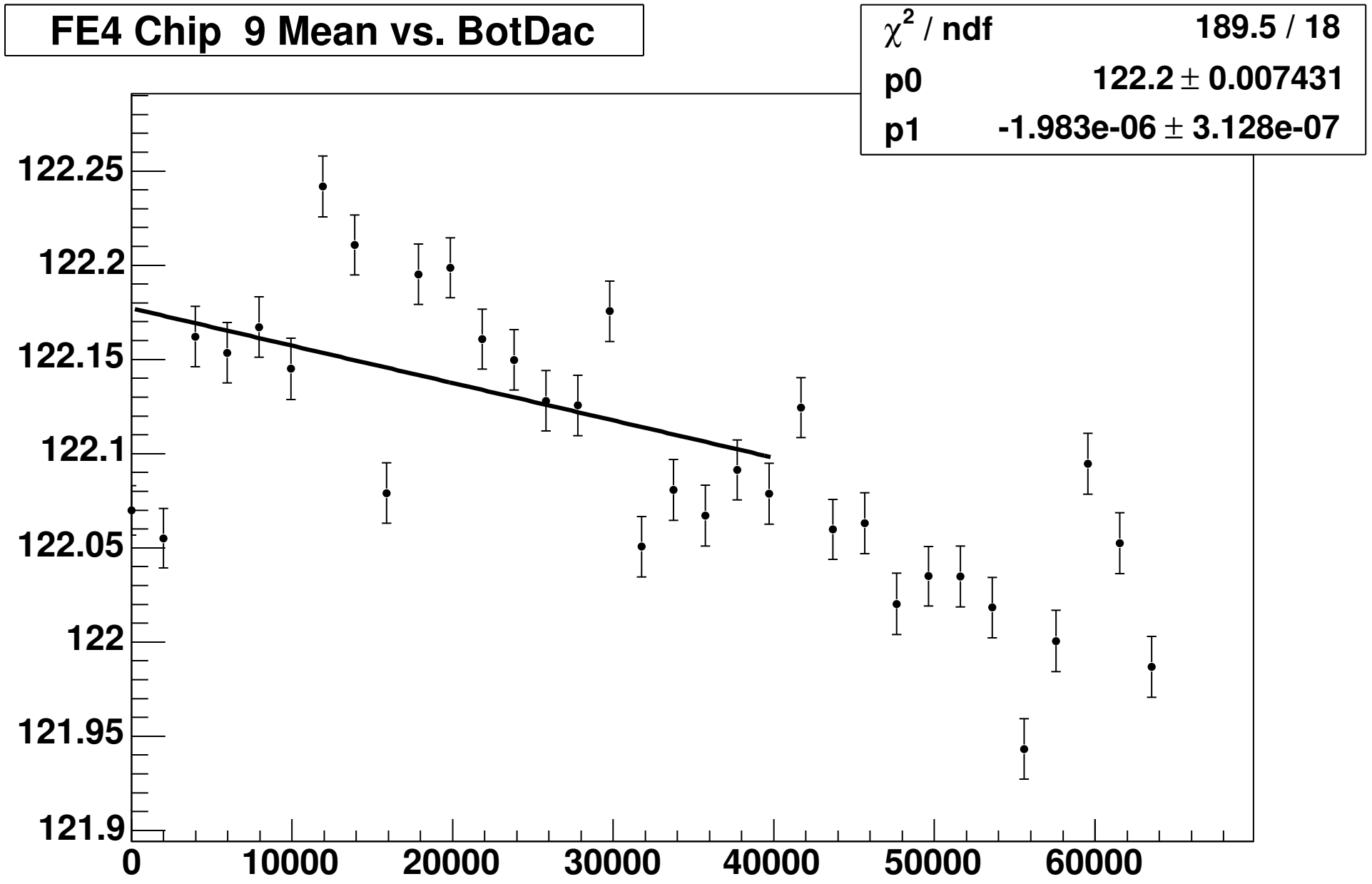
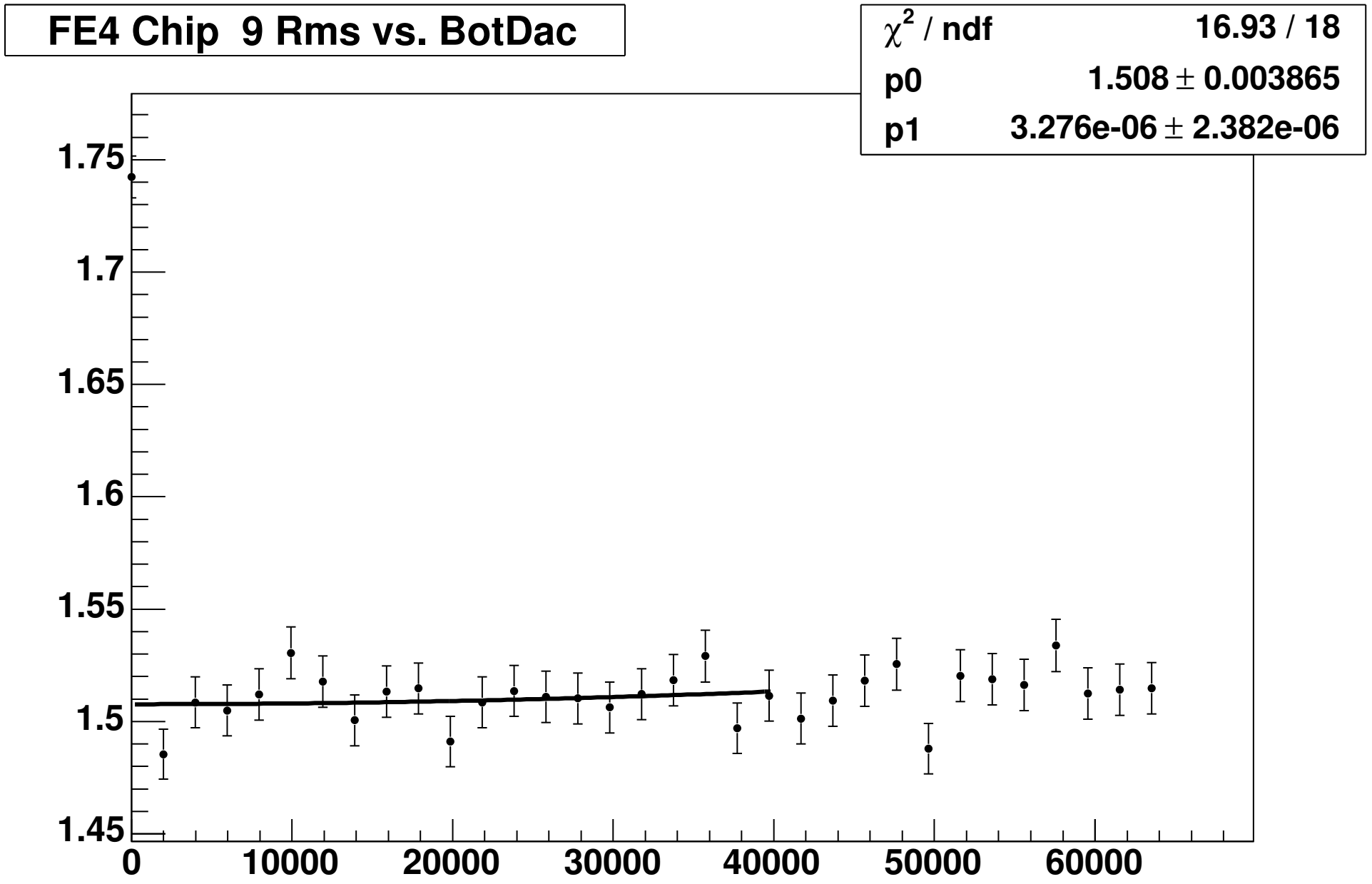
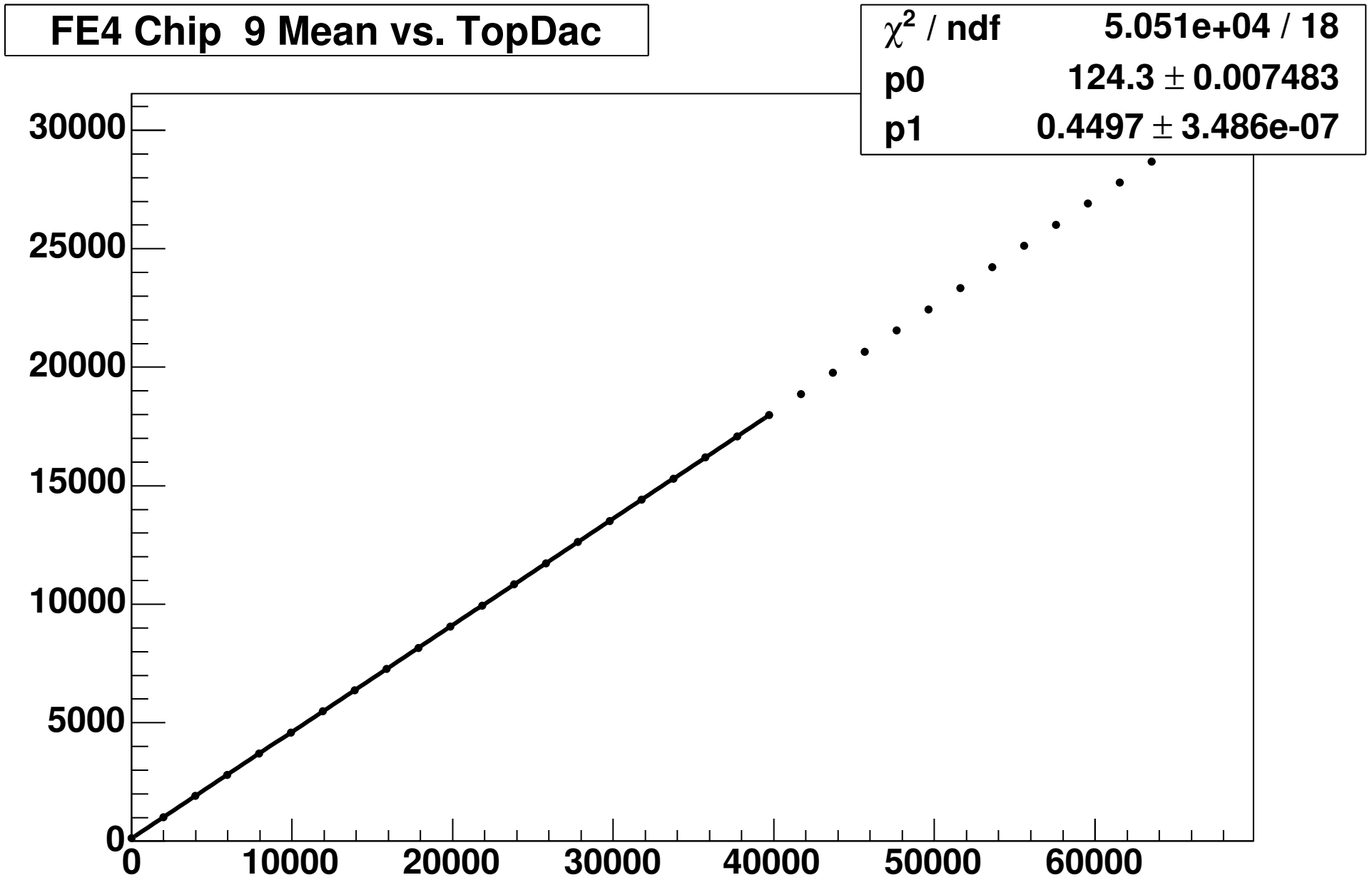
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 189.5 / 18
p0 122.2 ± 0.007431
p1 -1.983e-06 ± 3.128e-07
122.25
122.2
122.15
122.1
122.05
122
121.95
121.9
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 16.93 / 18
p0 1.508 ± 0.003865
p1 3.276e-06 ± 2.382e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 5.051e+04 / 18
p0 124.3 ± 0.007483
p1 0.4497 ± 3.486e-07
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5000
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0
10000
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50000
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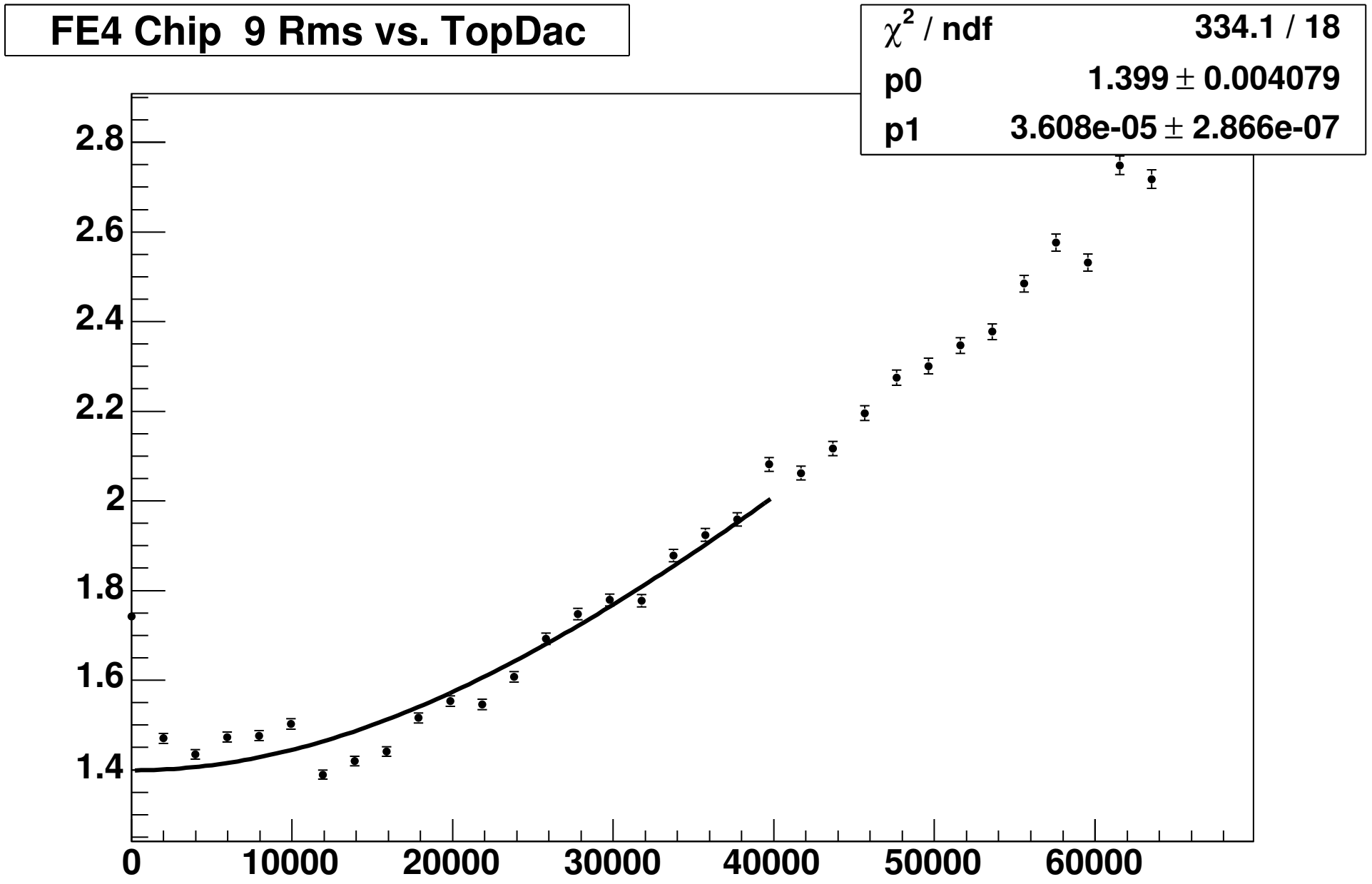
FE4 Chip 9 Rms vs. TopDac
χ² / ndf 334.1 / 18
p0 1.399 ± 0.004079
p1 3.608e-05 ± 2.866e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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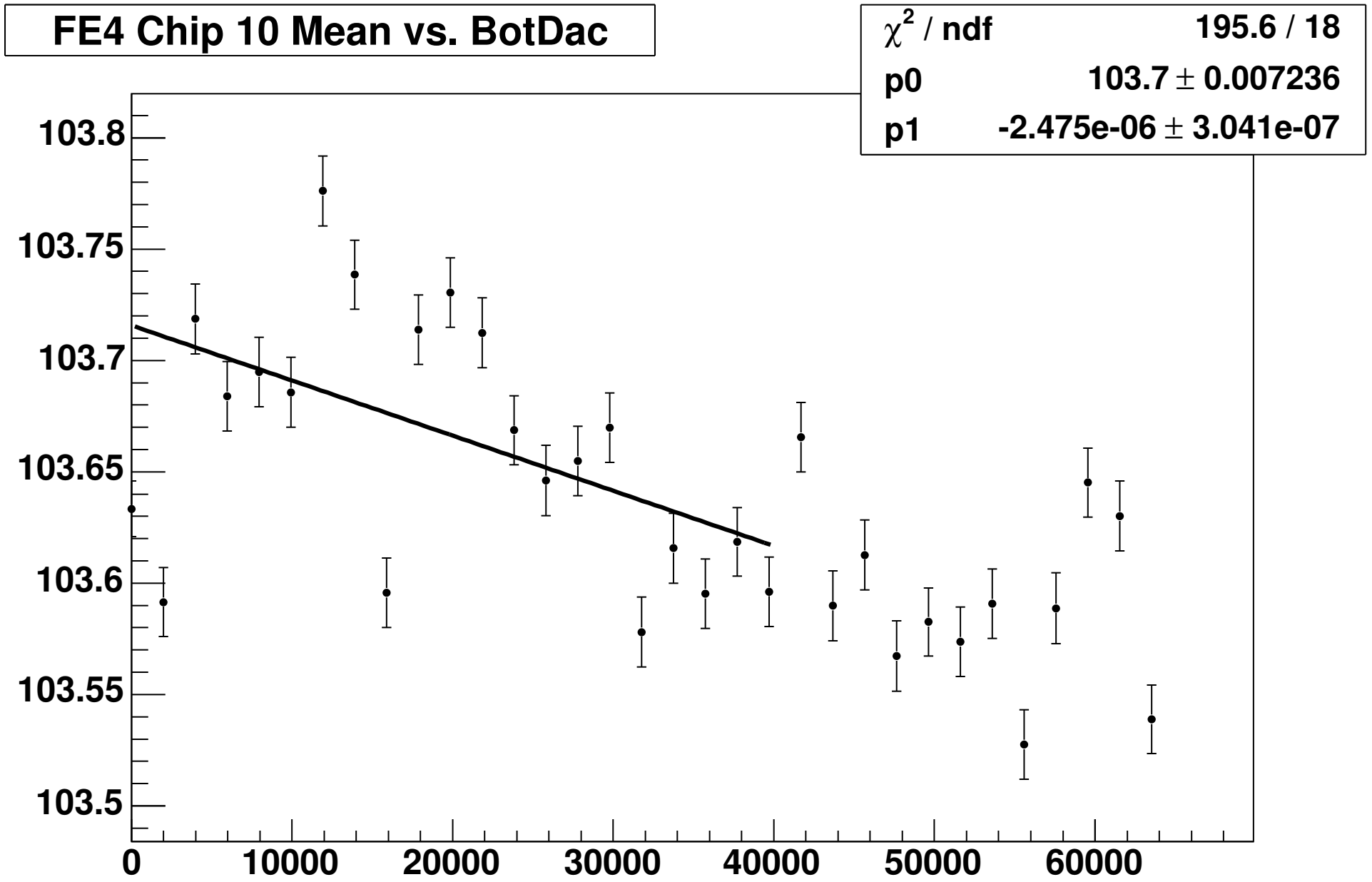
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 195.6 / 18
p0 103.7 ± 0.007236
p1 -2.475e-06 ± 3.041e-07
103.8
103.75
103.7
103.65
103.6
103.55
103.5
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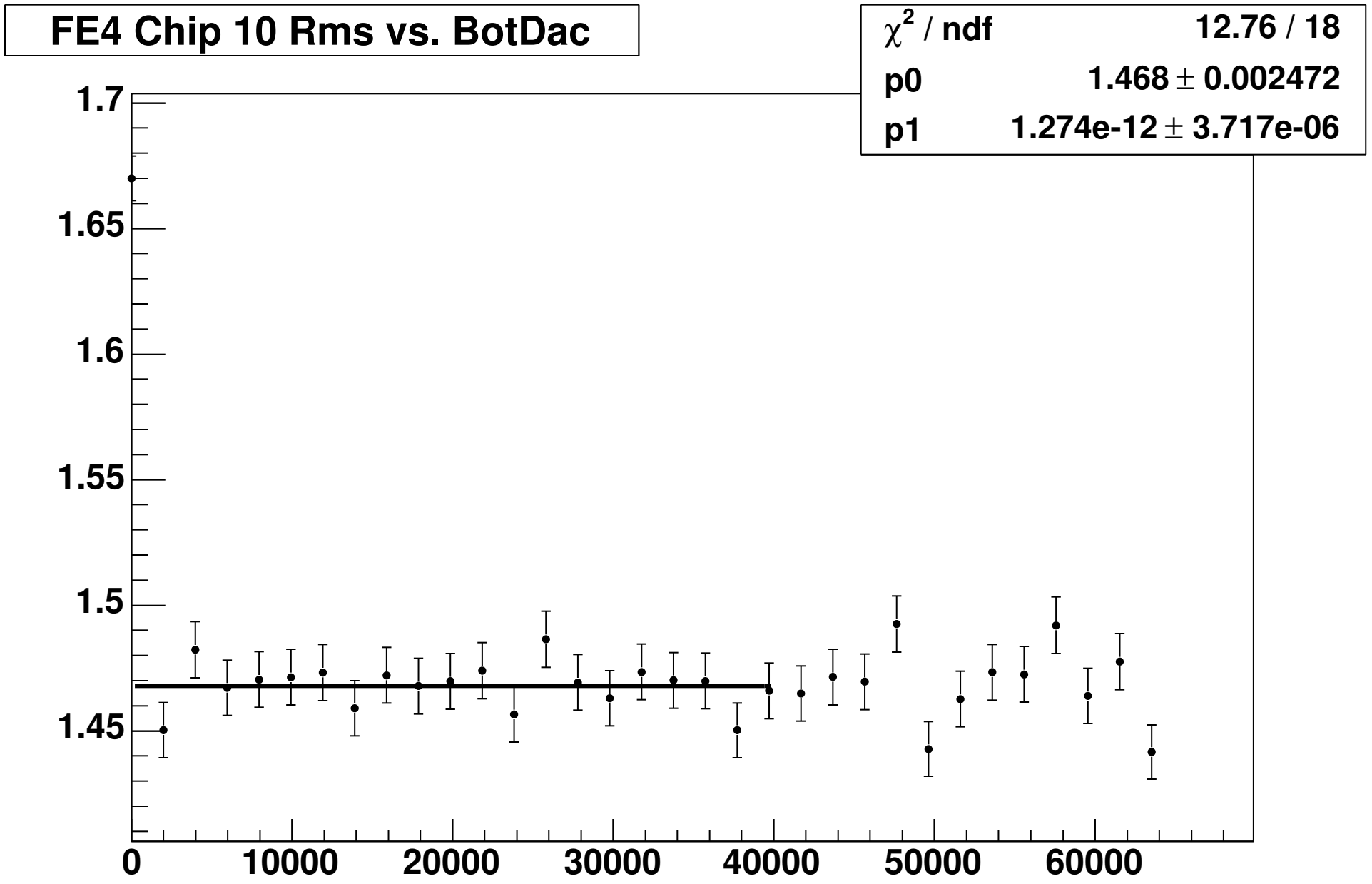
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 12.76 / 18
p0 1.468 ± 0.002472
p1 1.274e-12 ± 3.717e-06
1.7
1.65
1.6
1.55
1.5
1.45
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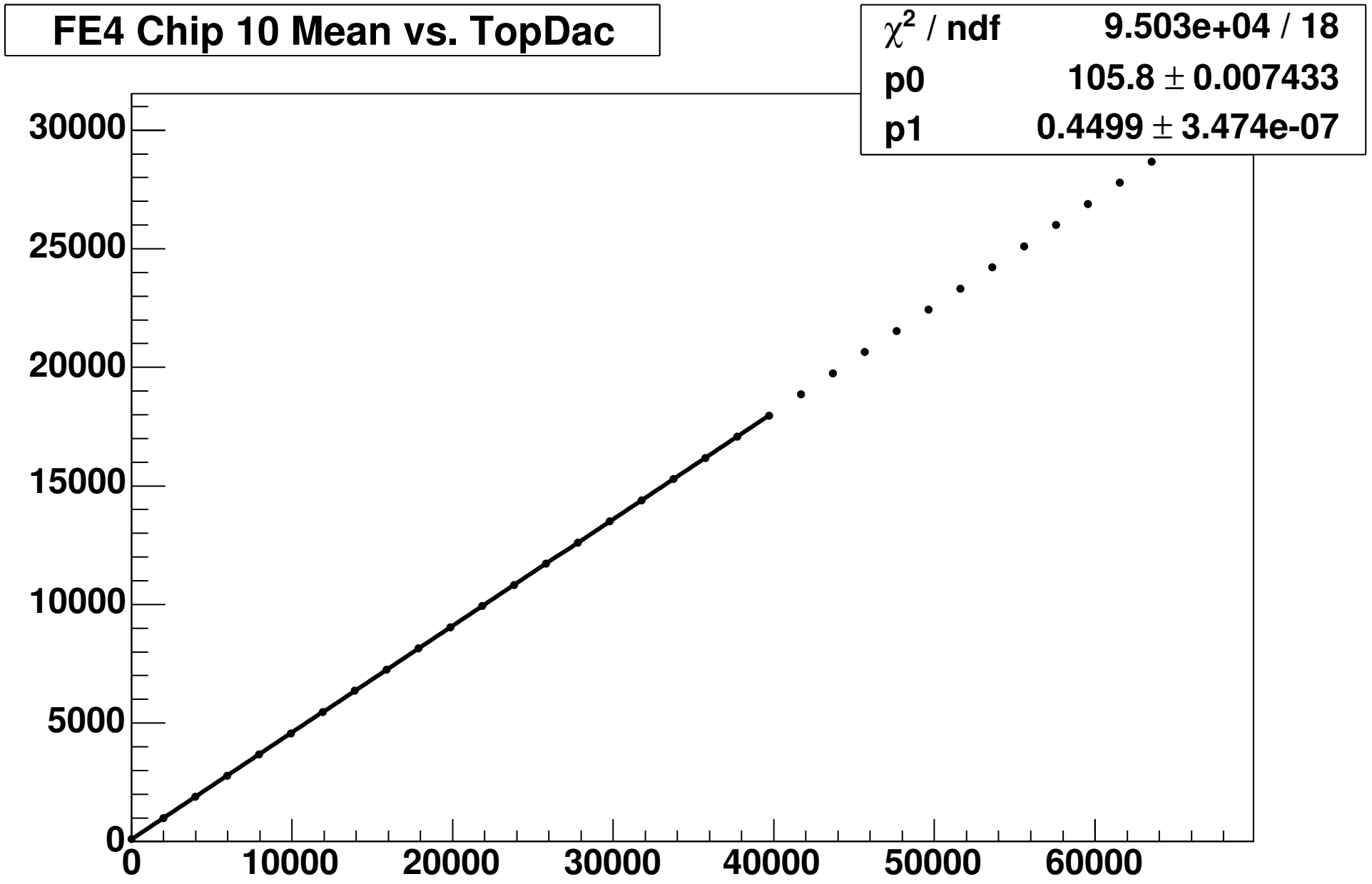
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 9.503e+04 / 18
p0 105.8 ± 0.007433
p1 0.4499 ± 3.474e-07
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5000
0
0
10000
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40000
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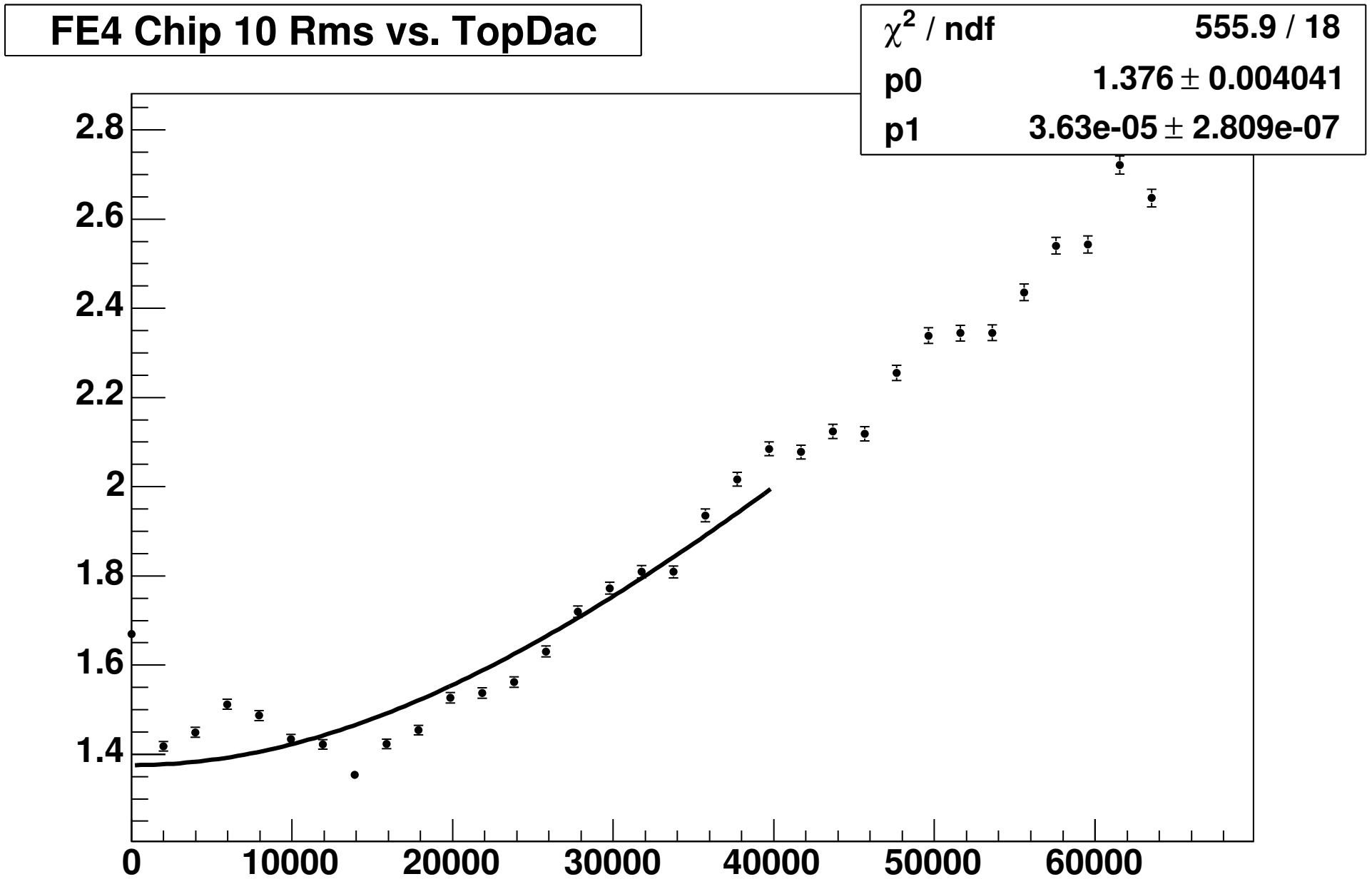
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 555.9 / 18
p0 1.376 ± 0.004041
p1 3.63e-05 ± 2.809e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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10000
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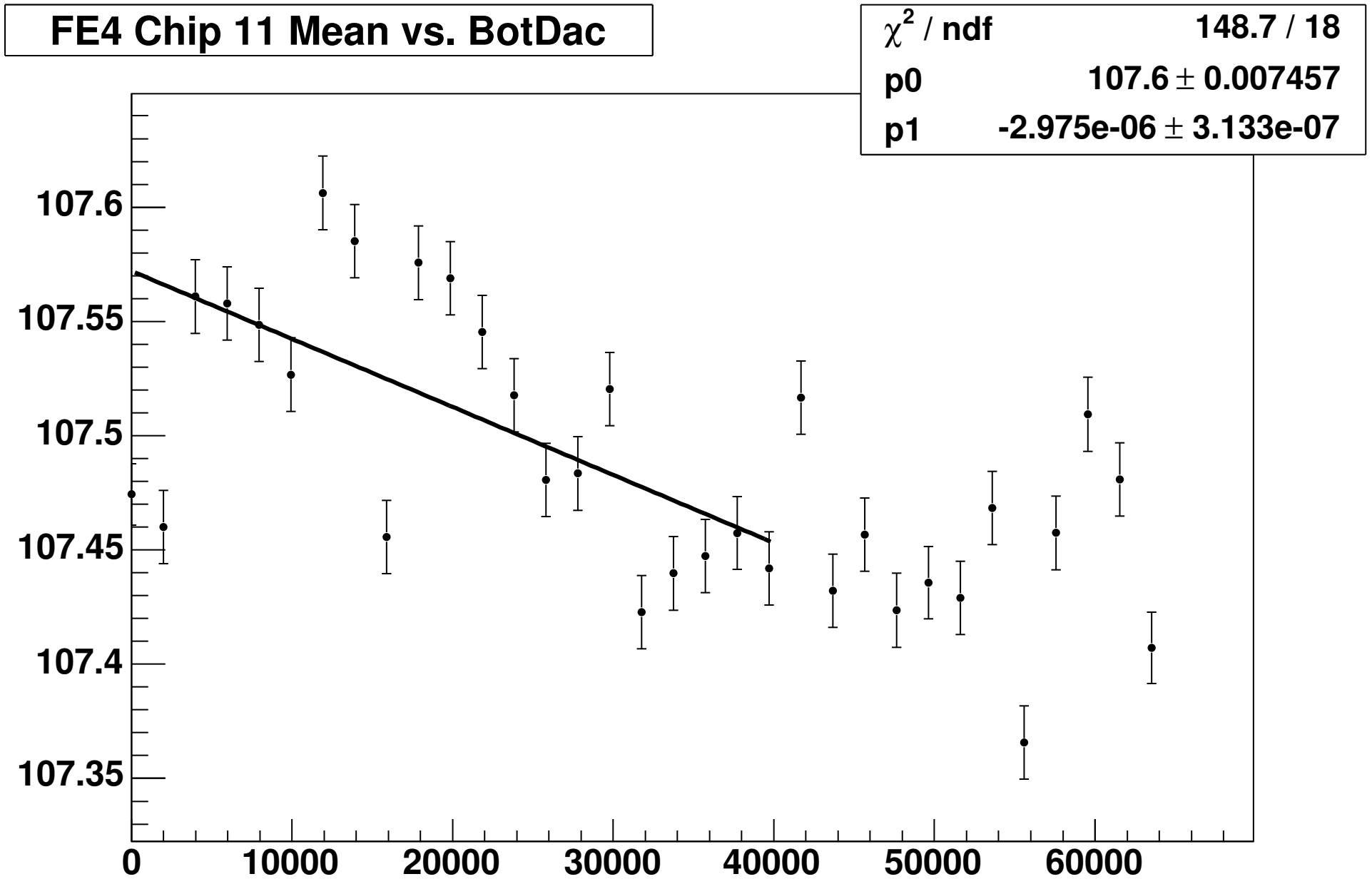
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 148.7 / 18
p0 107.6 ± 0.007457
p1 -2.975e-06 ± 3.133e-07
107.6
107.55
107.5
107.45
107.4
107.35
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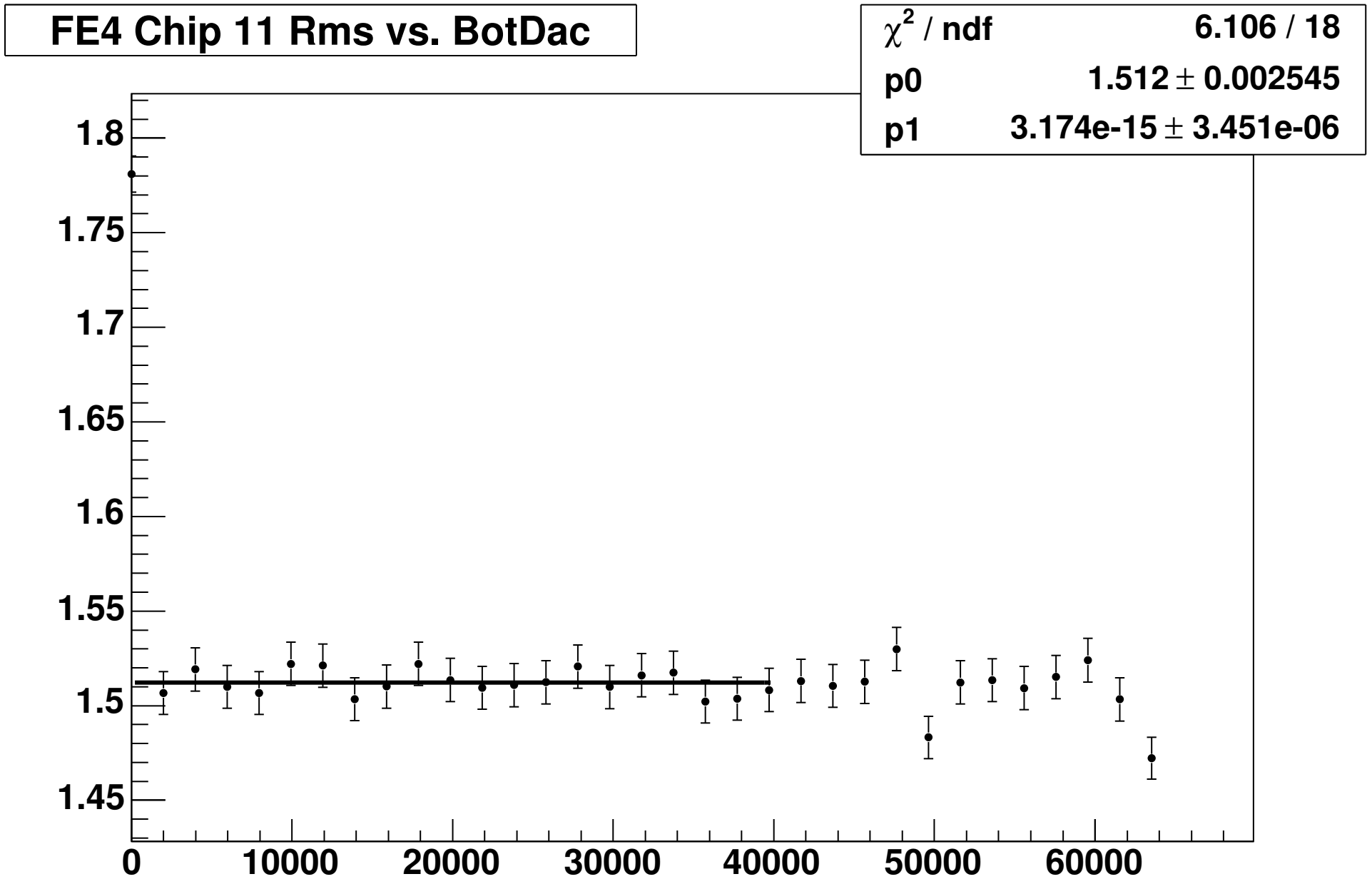
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 6.106 / 18
p0 1.512 ± 0.002545
p1 3.174e-15 ± 3.451e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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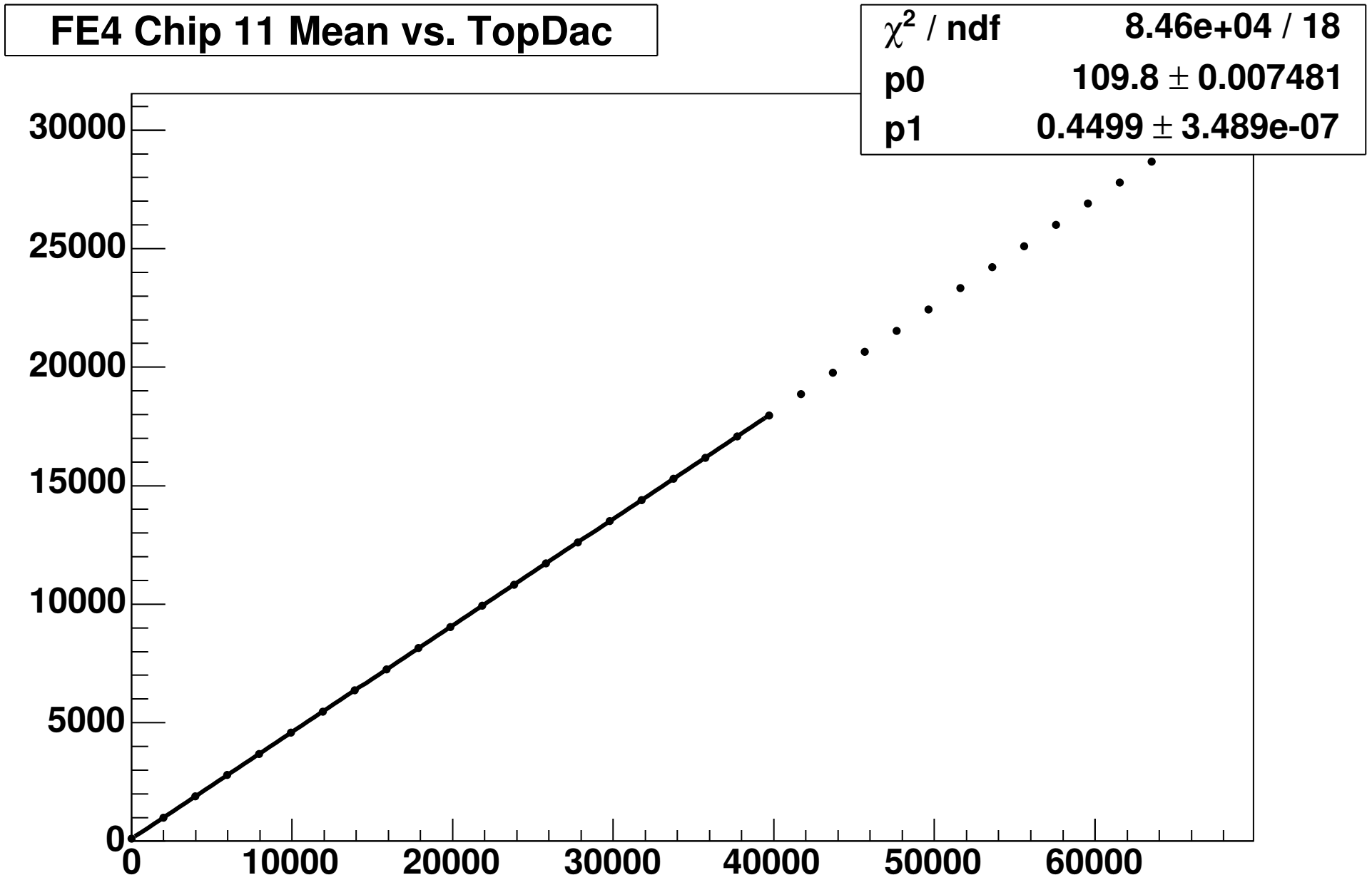
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 8.46e+04 / 18
p0 109.8 ± 0.007481
p1 0.4499 ± 3.489e-07
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15000
10000
5000
0
0
10000
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40000
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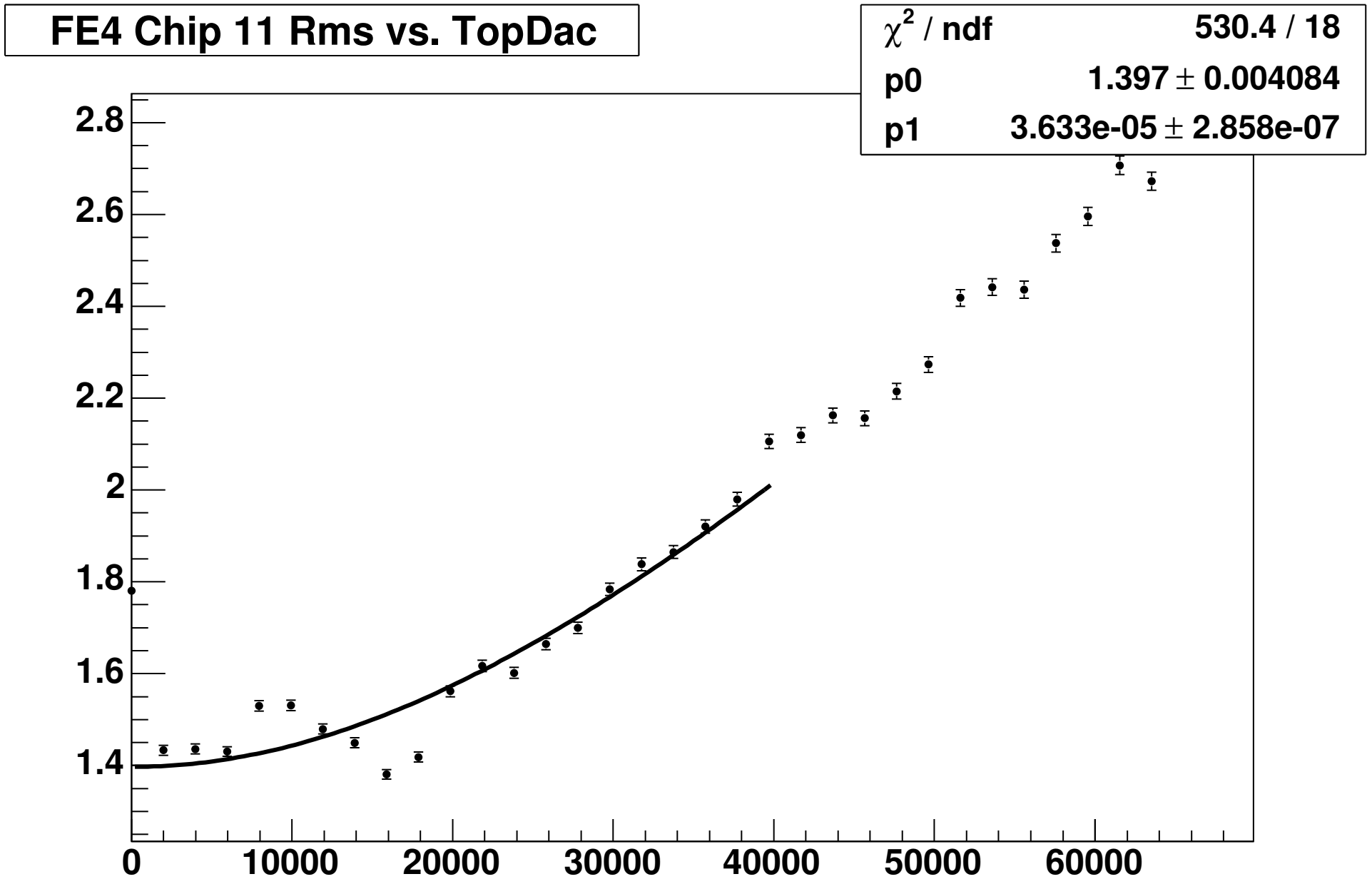
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 530.4 / 18
p0 1.397 ± 0.004084
p1 3.633e-05 ± 2.858e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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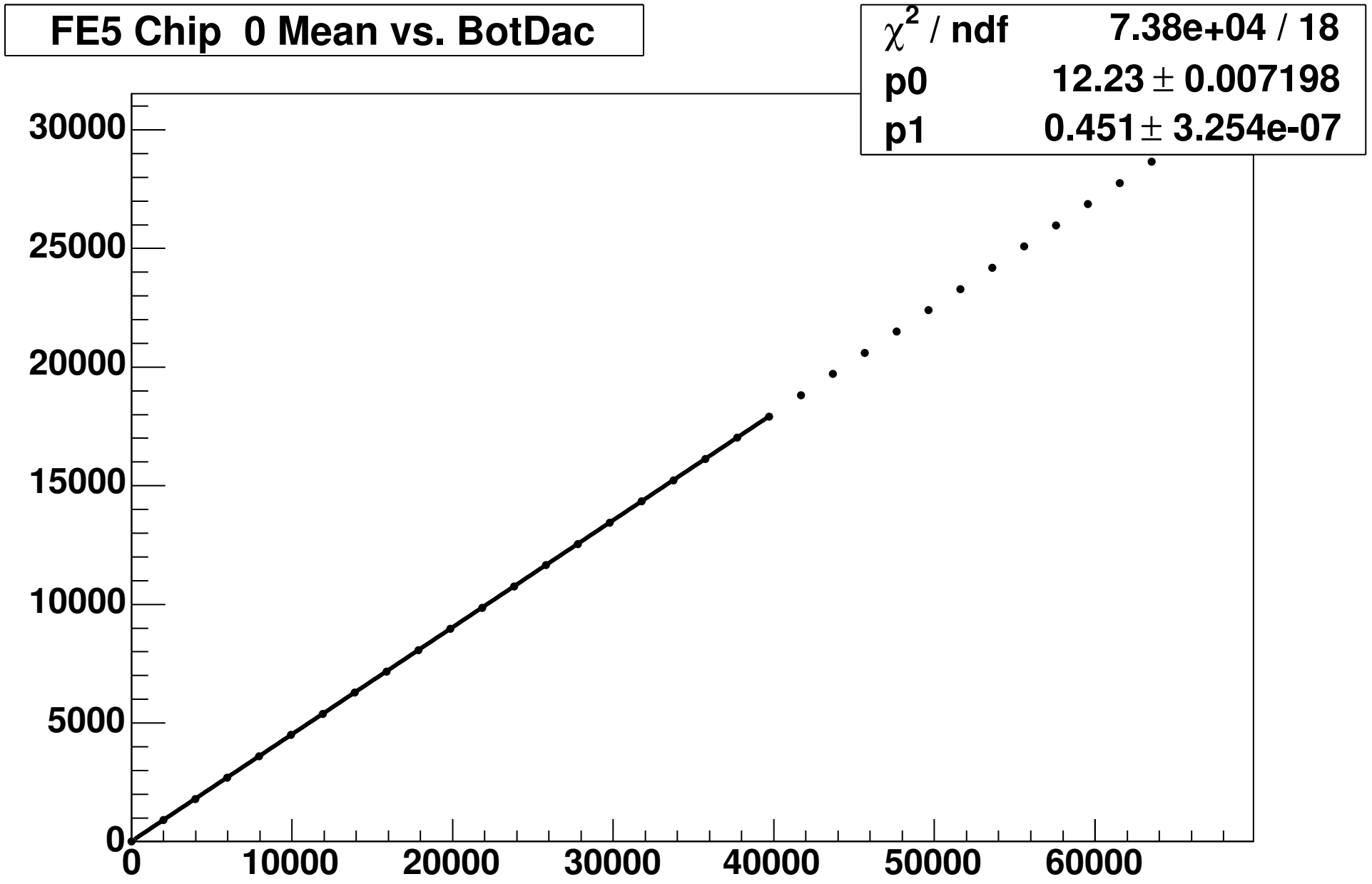
FE5 Chip 0 Mean vs. BotDac
χ² / ndf 7.38e+04 / 18
p0 12.23 ± 0.007198
p1 0.451 ± 3.254e-07
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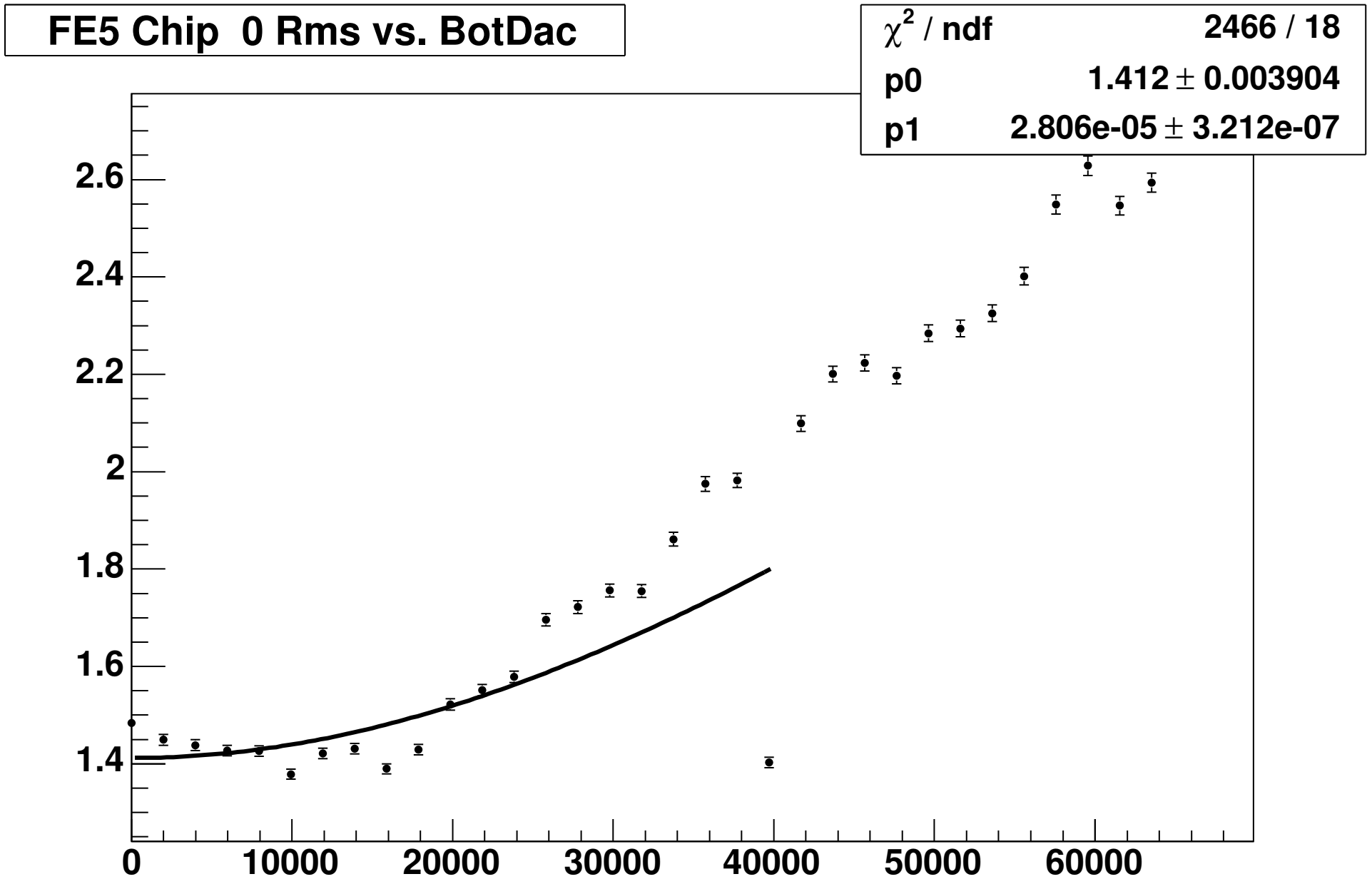
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 2466 / 18
p0 1.412 ± 0.003904
p1 2.806e-05 ± 3.212e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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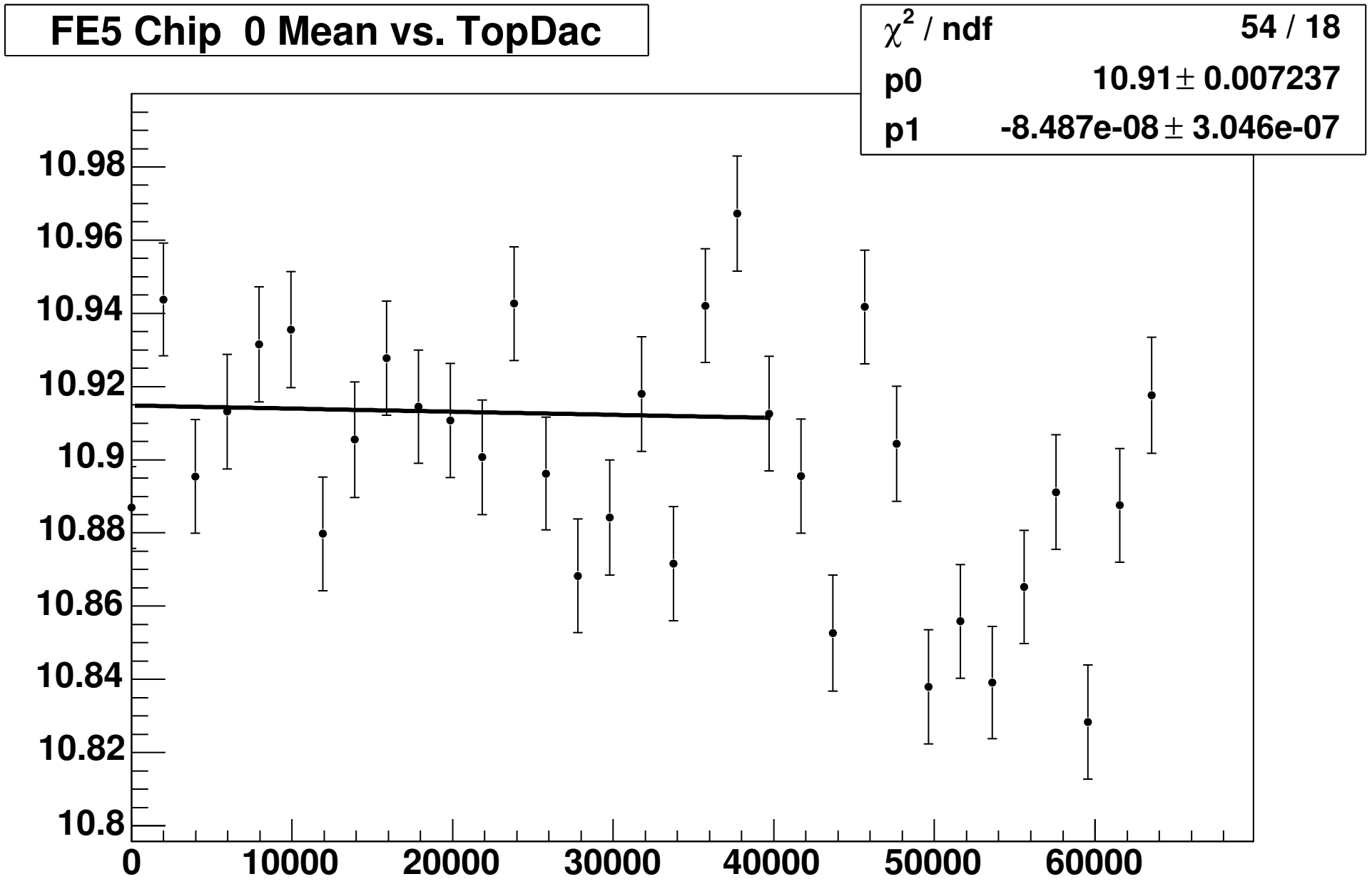
50000
60000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 54 / 18
p0 10.91 ± 0.007237
p1 -8.487e-08 ± 3.046e-07
10.98
10.96
10.94
10.92
10.9
10.88
10.86
10.84
10.82
10.8
0
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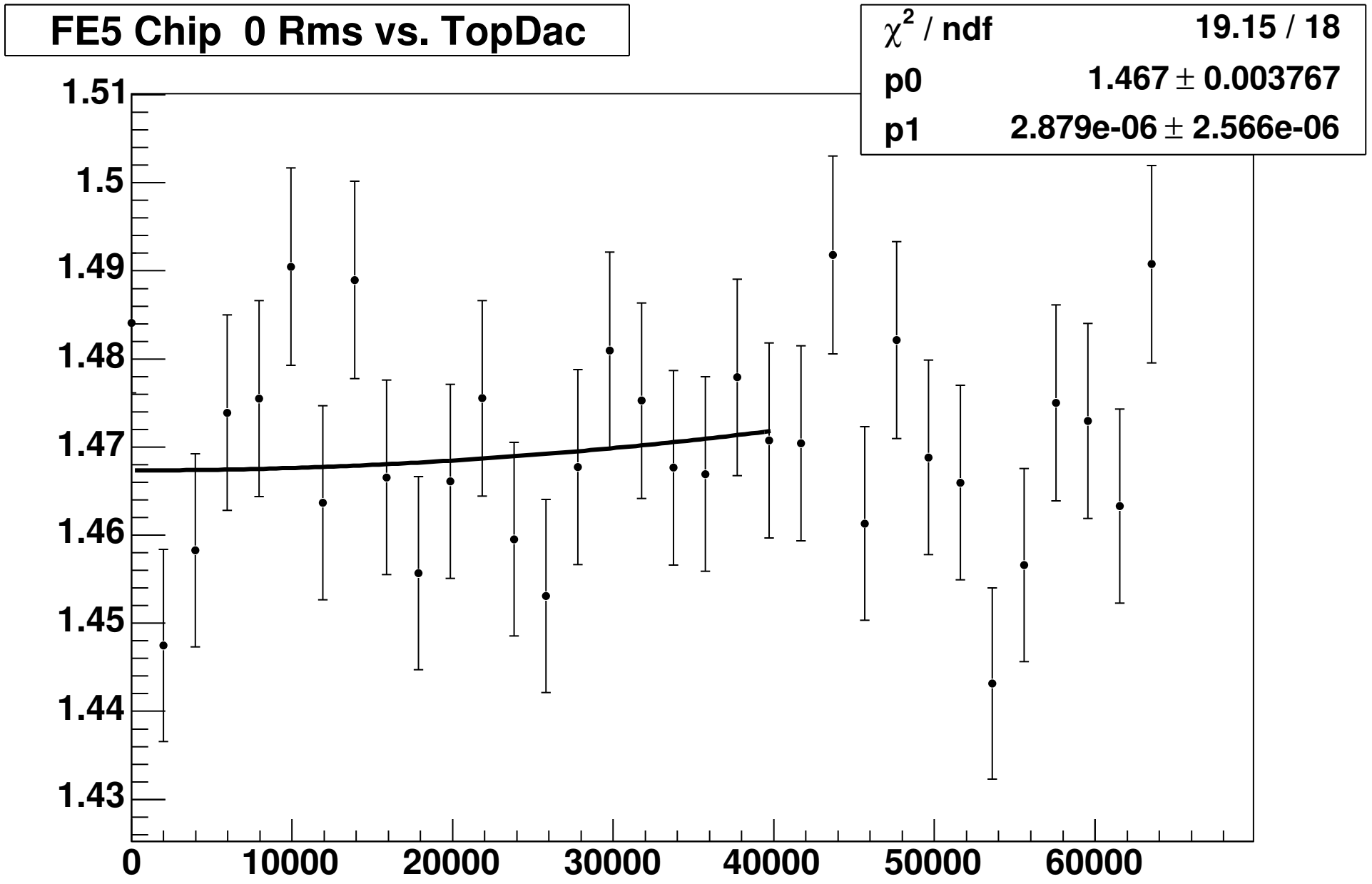
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 19.15 / 18
p0 1.467 ± 0.003767
p1 2.879e-06 ± 2.566e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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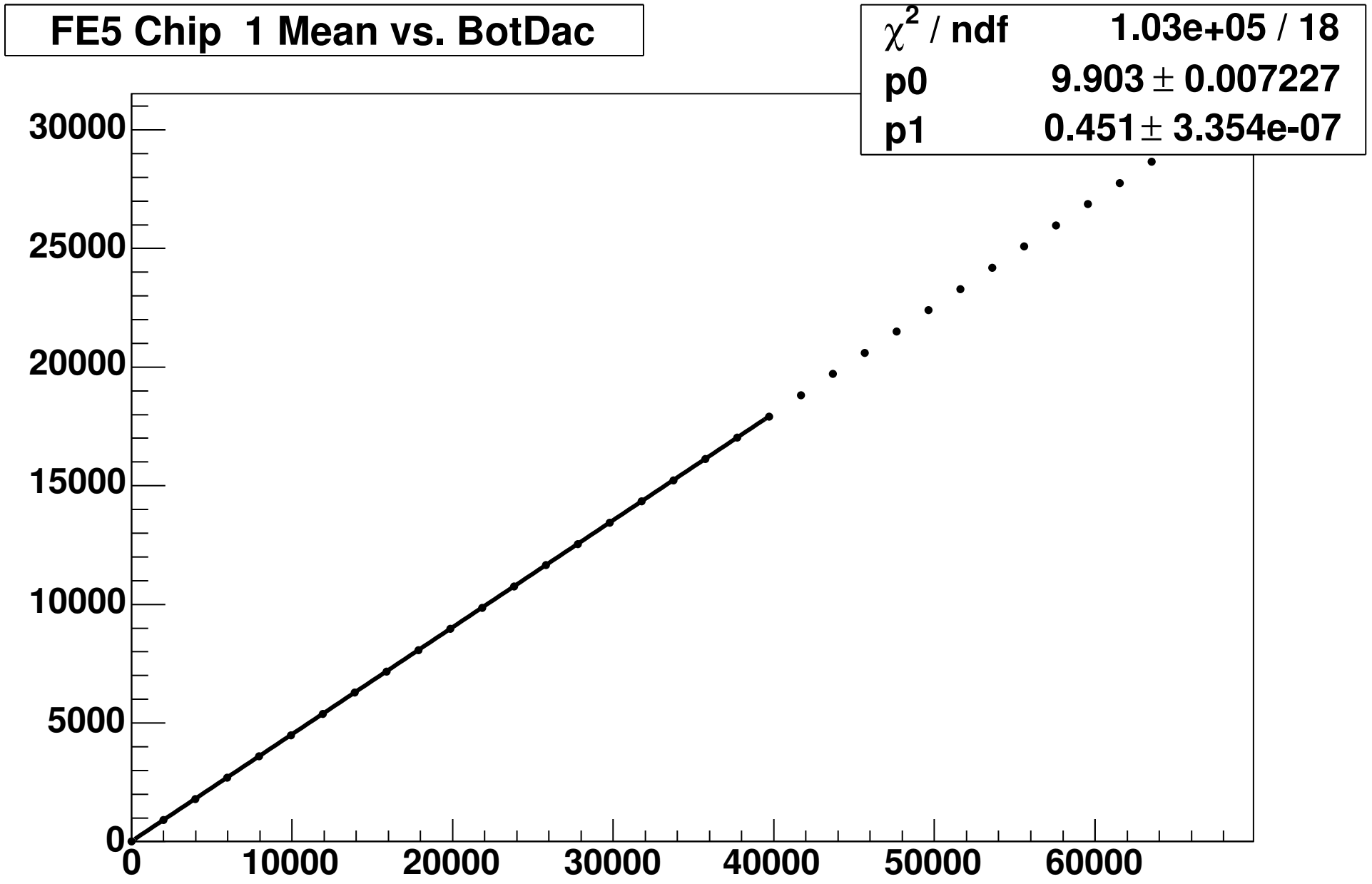
30000
40000
50000
60000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.03e+05 / 18
p0 9.903 ± 0.007227
p1 0.451 ± 3.354e-07
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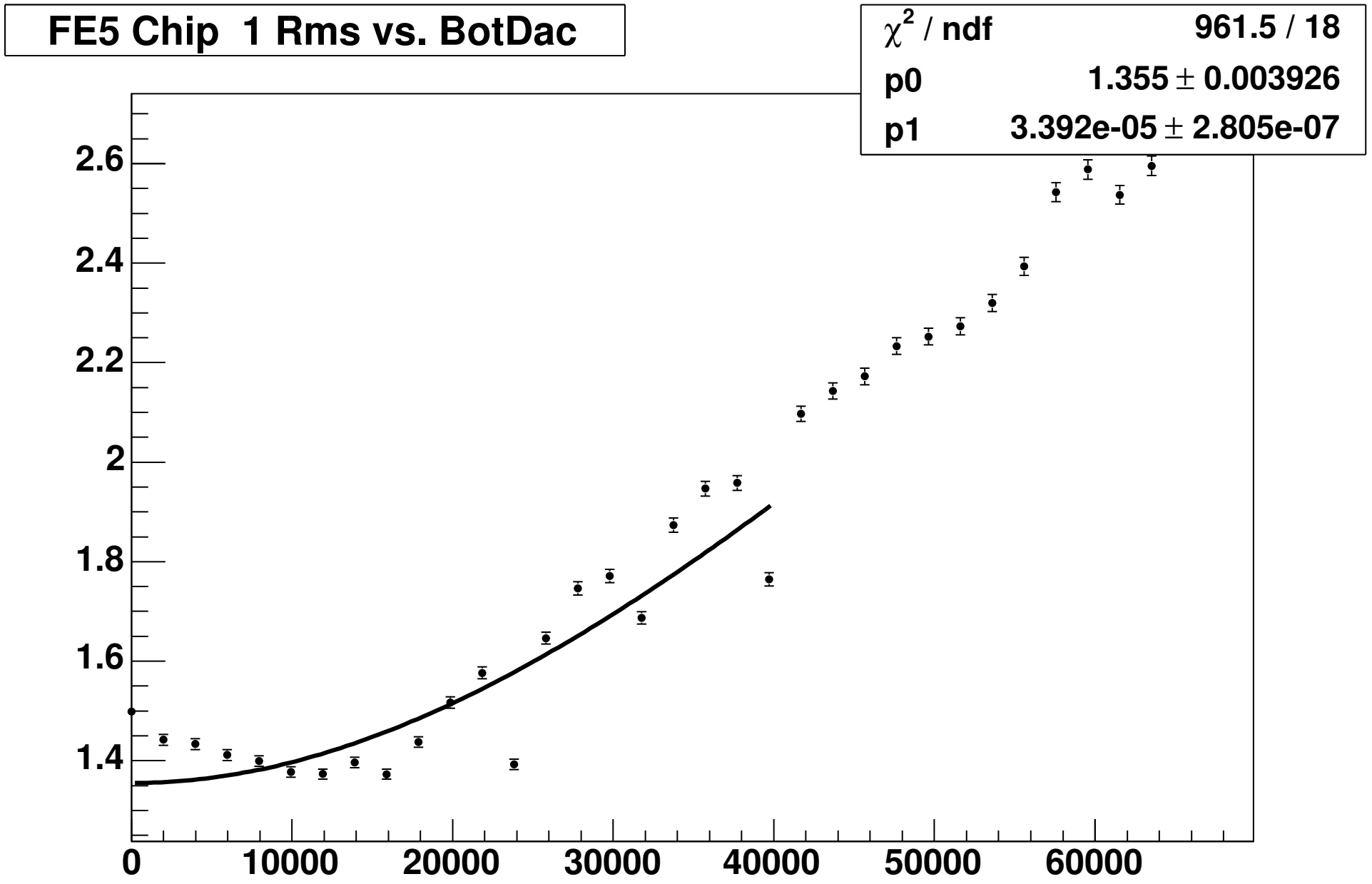
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 961.5 / 18
p0 1.355 ± 0.003926
p1 3.392e-05 ± 2.805e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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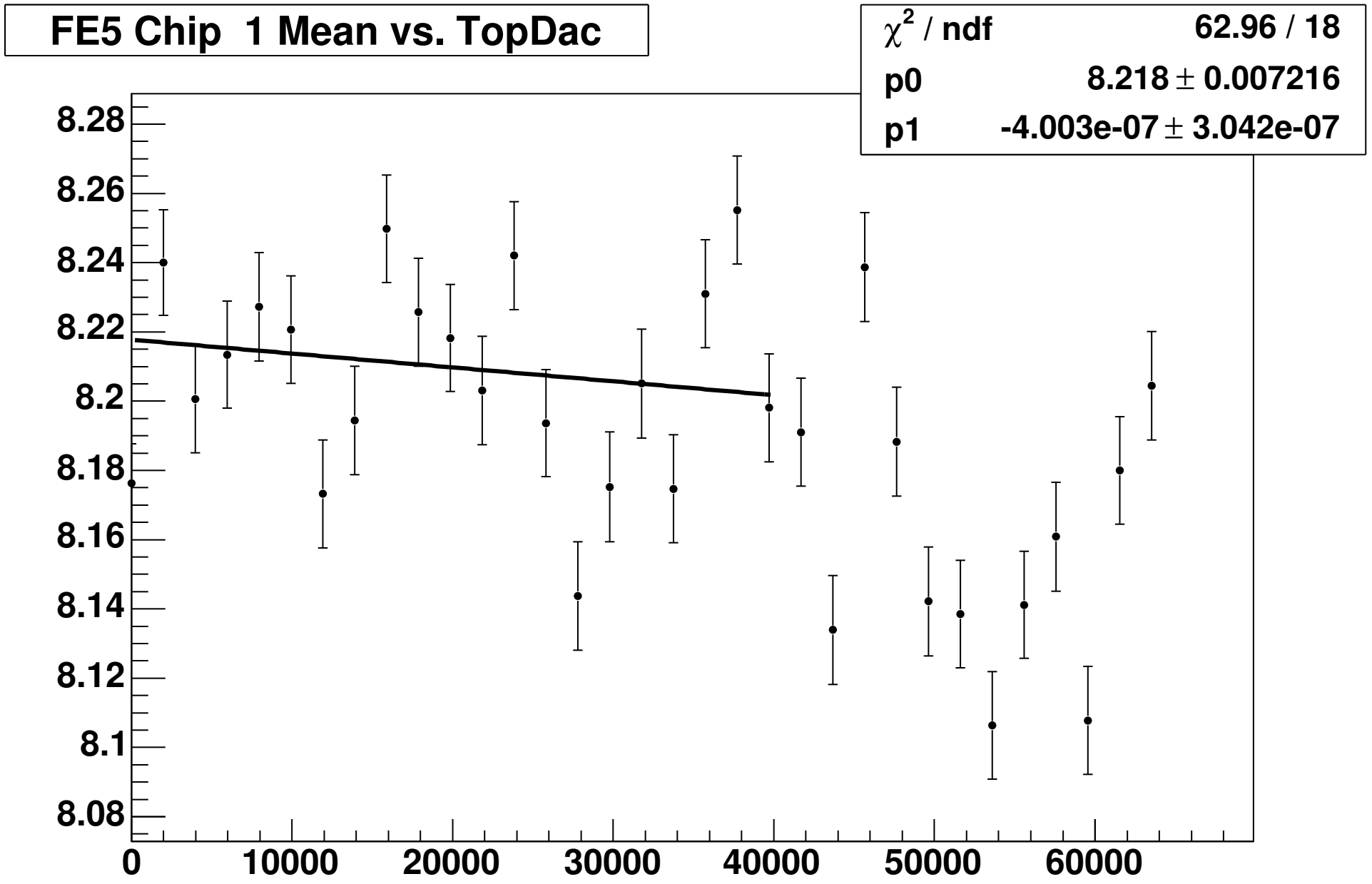
50000
60000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 62.96 / 18
p0 8.218 ± 0.007216
p1 -4.003e-07 ± 3.042e-07
8.28
8.26
8.24
8.22
8.2
8.18
8.16
8.14
8.12
8.1
8.08
0
10000
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40000
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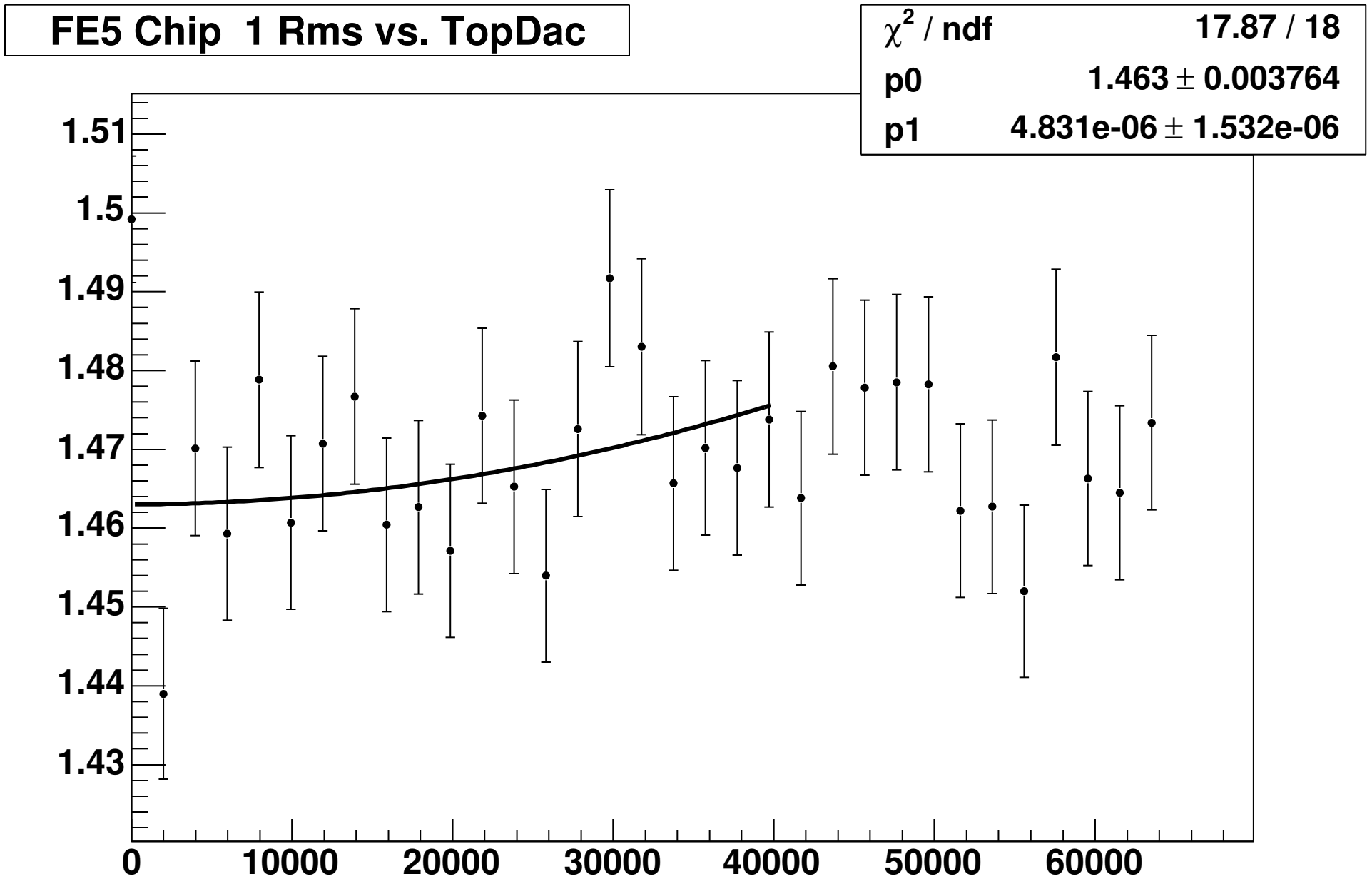
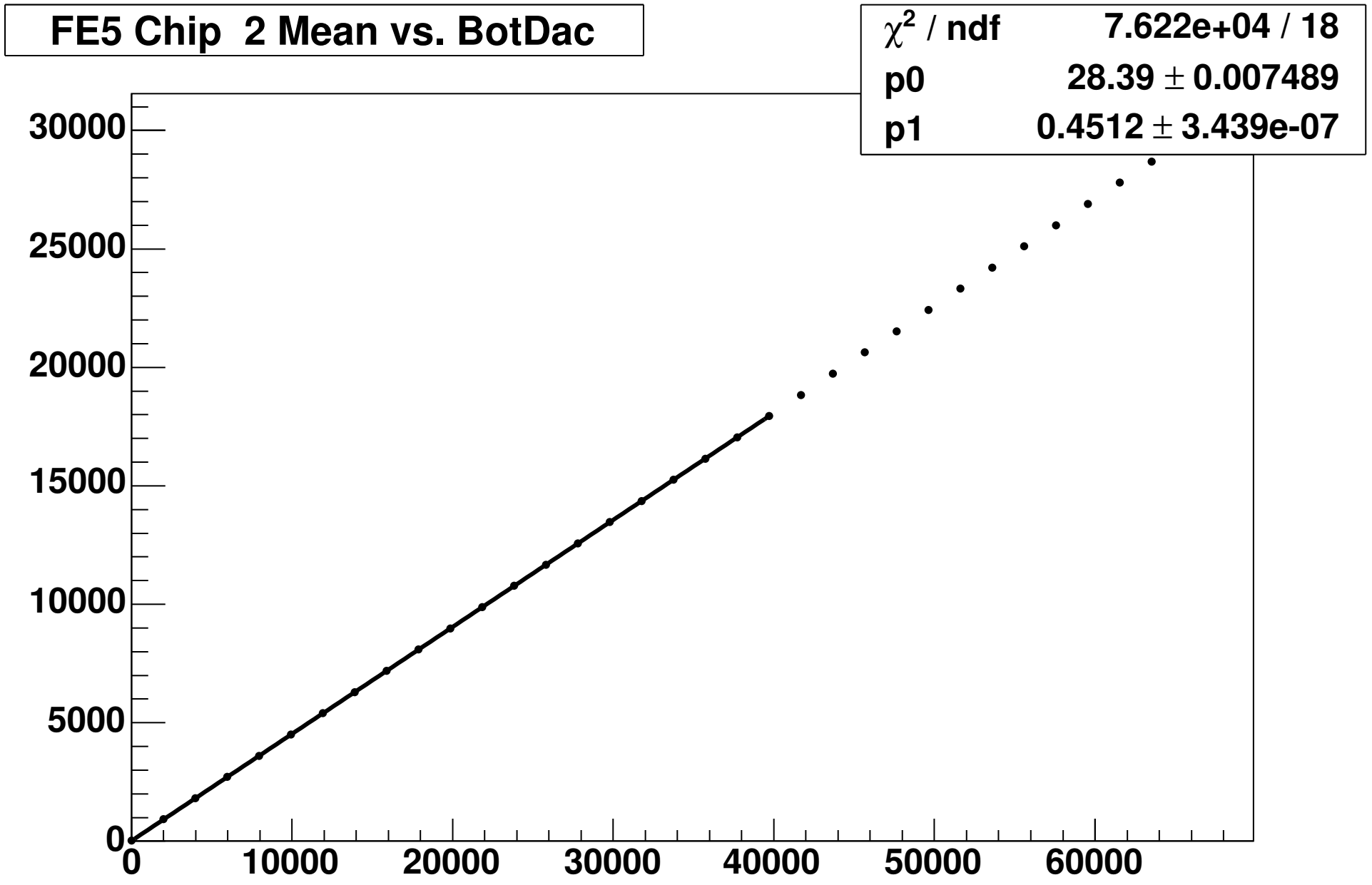

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 17.87 / 18
p0 1.463 ± 0.003764
p1 4.831e-06 ± 1.532e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 7.622e+04 / 18
p0 28.39 ± 0.007489
p1 0.4512 ± 3.439e-07
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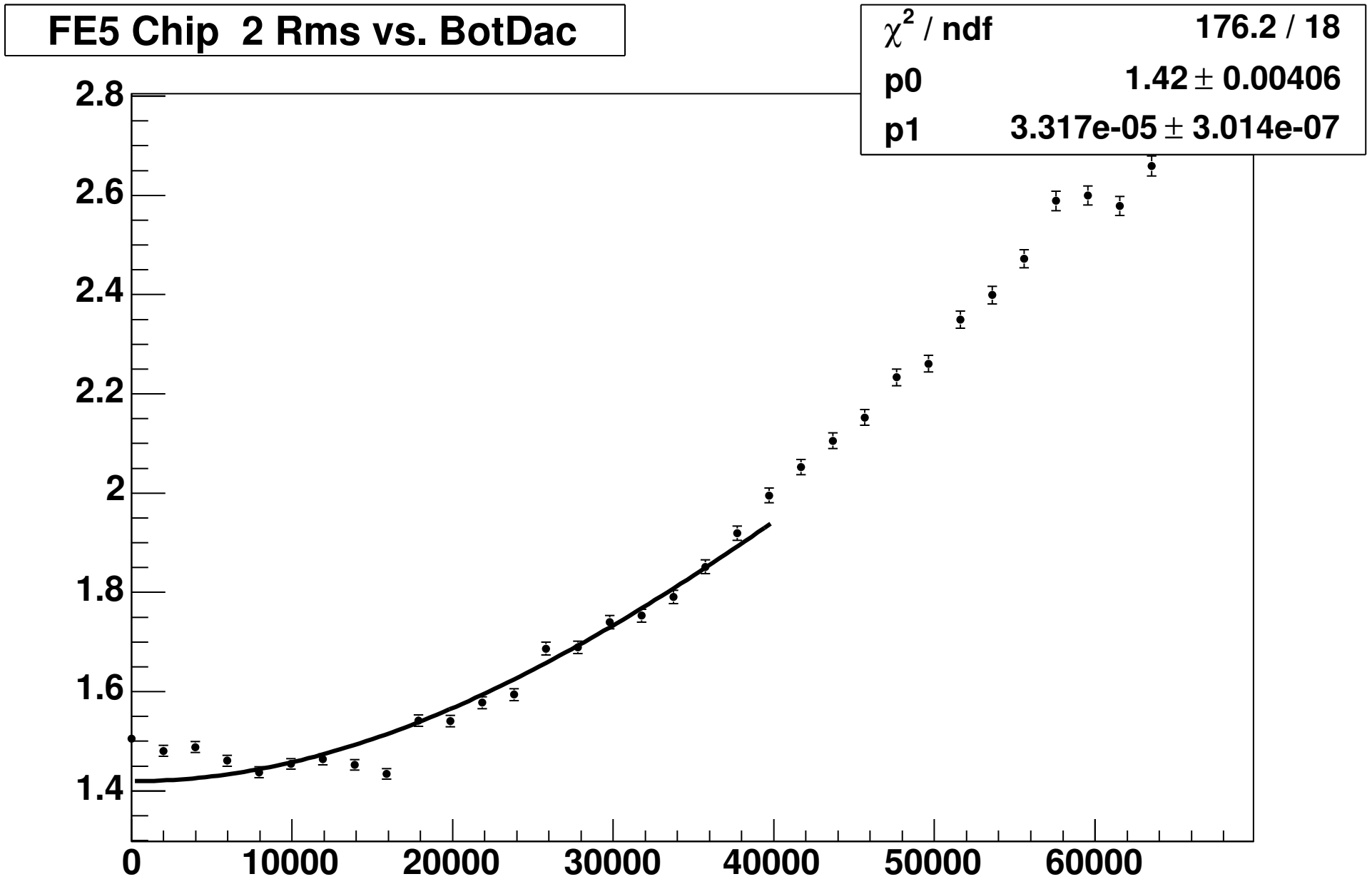
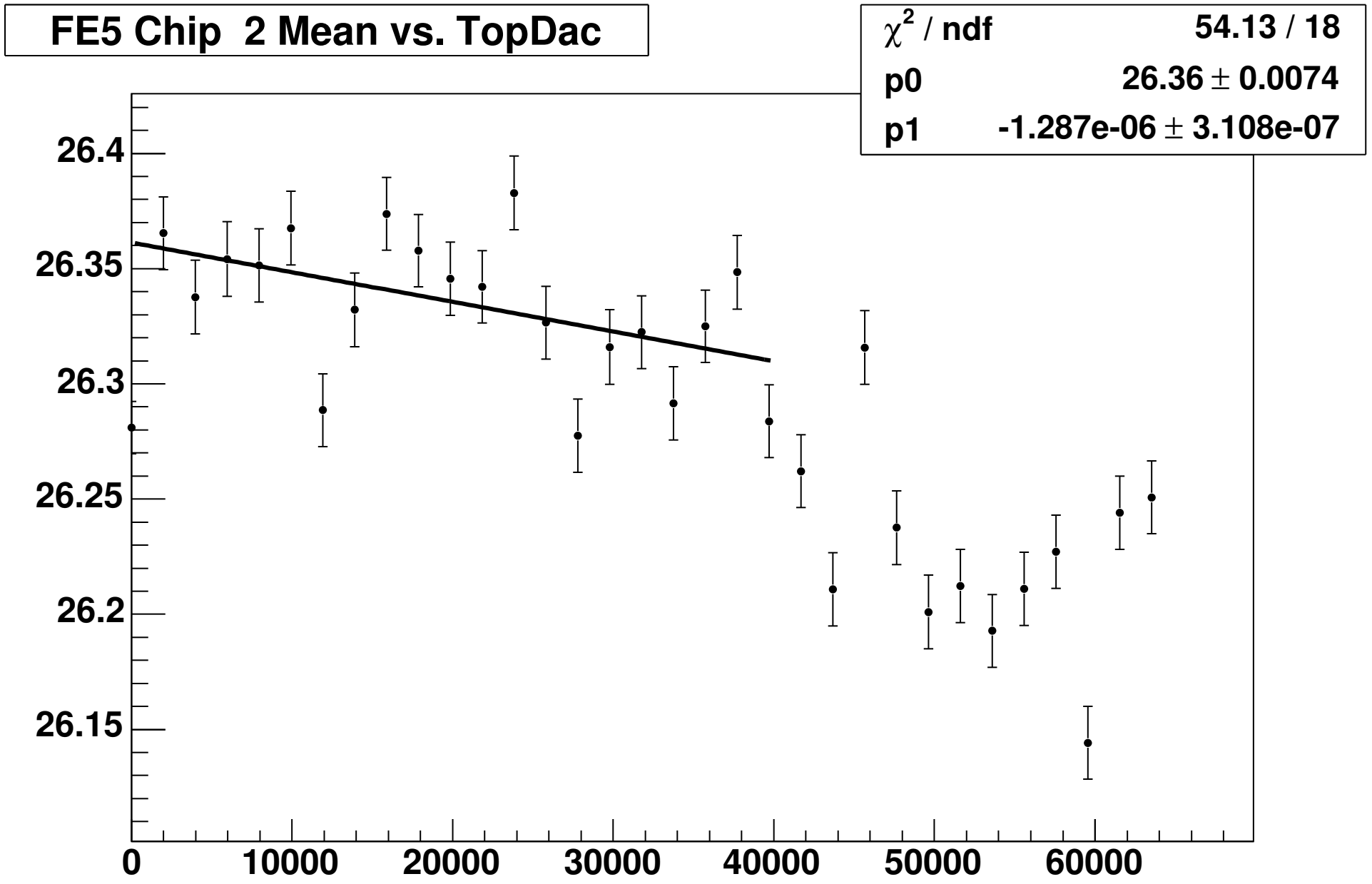
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. BotDac
χ^2 / ndf 176.2 / 18
p0 1.42 ± 0.00406
p1 3.317e-05 ± 3.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 54.13 / 18
p0 26.36 ± 0.0074
p1 -1.287e-06 ± 3.108e-07
26.4
26.35
26.3
26.25
26.2
26.15
0
10000
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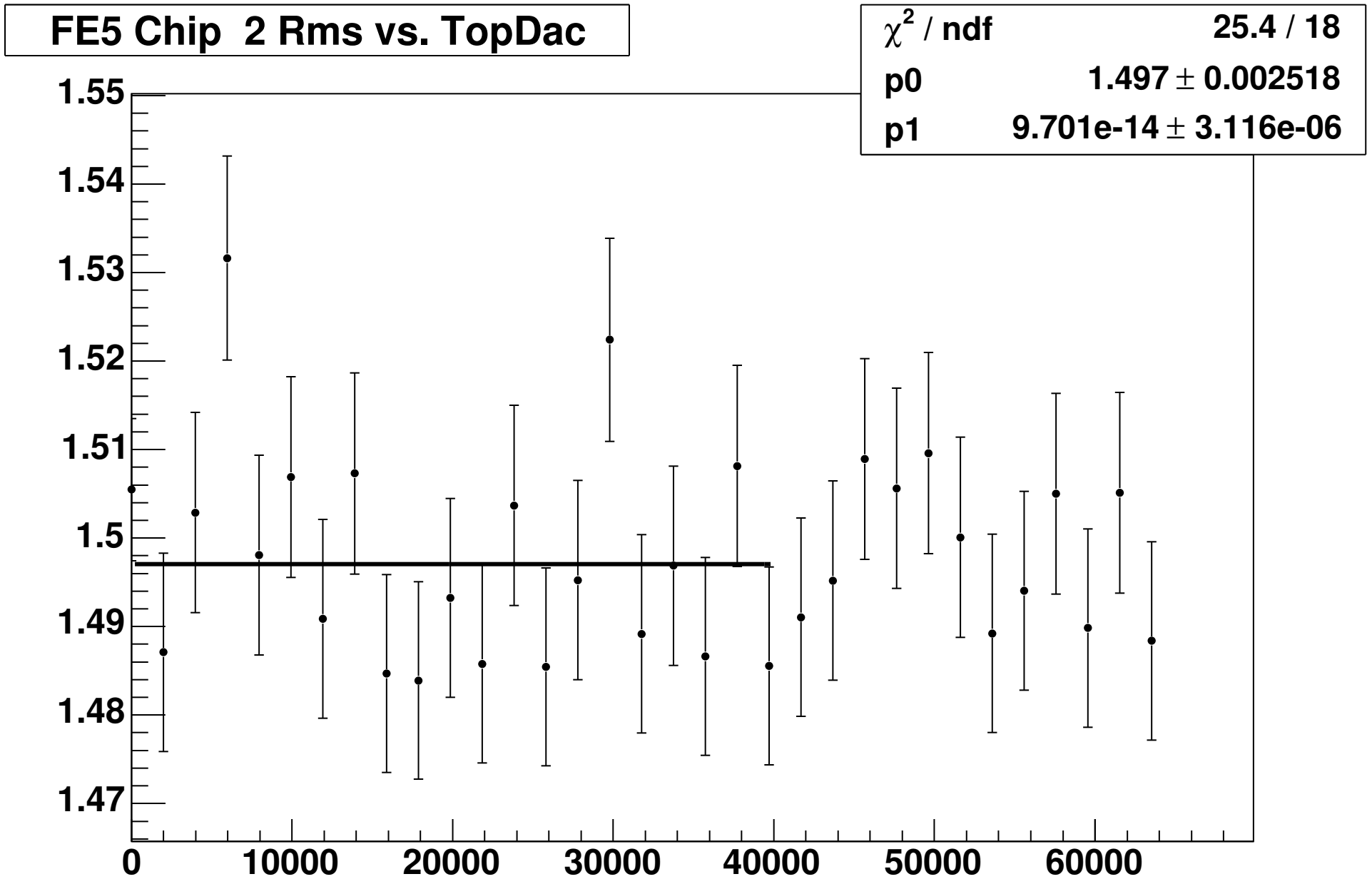
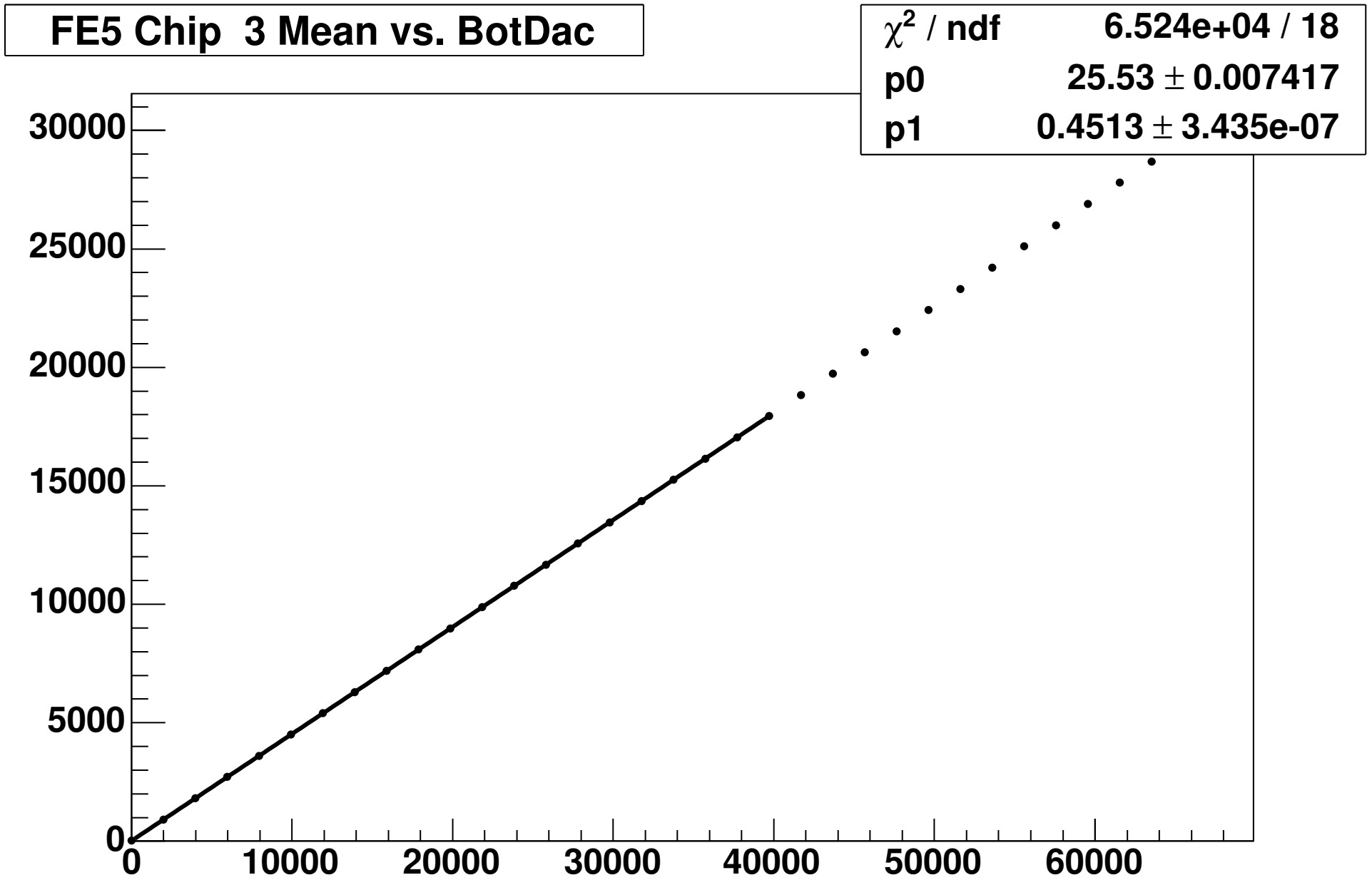

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 25.4 / 18
p0 1.497 ± 0.002518
p1 9.701e-14 ± 3.116e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 6.524e+04 / 18
p0 25.53 ± 0.007417
p1 0.4513 ± 3.435e-07
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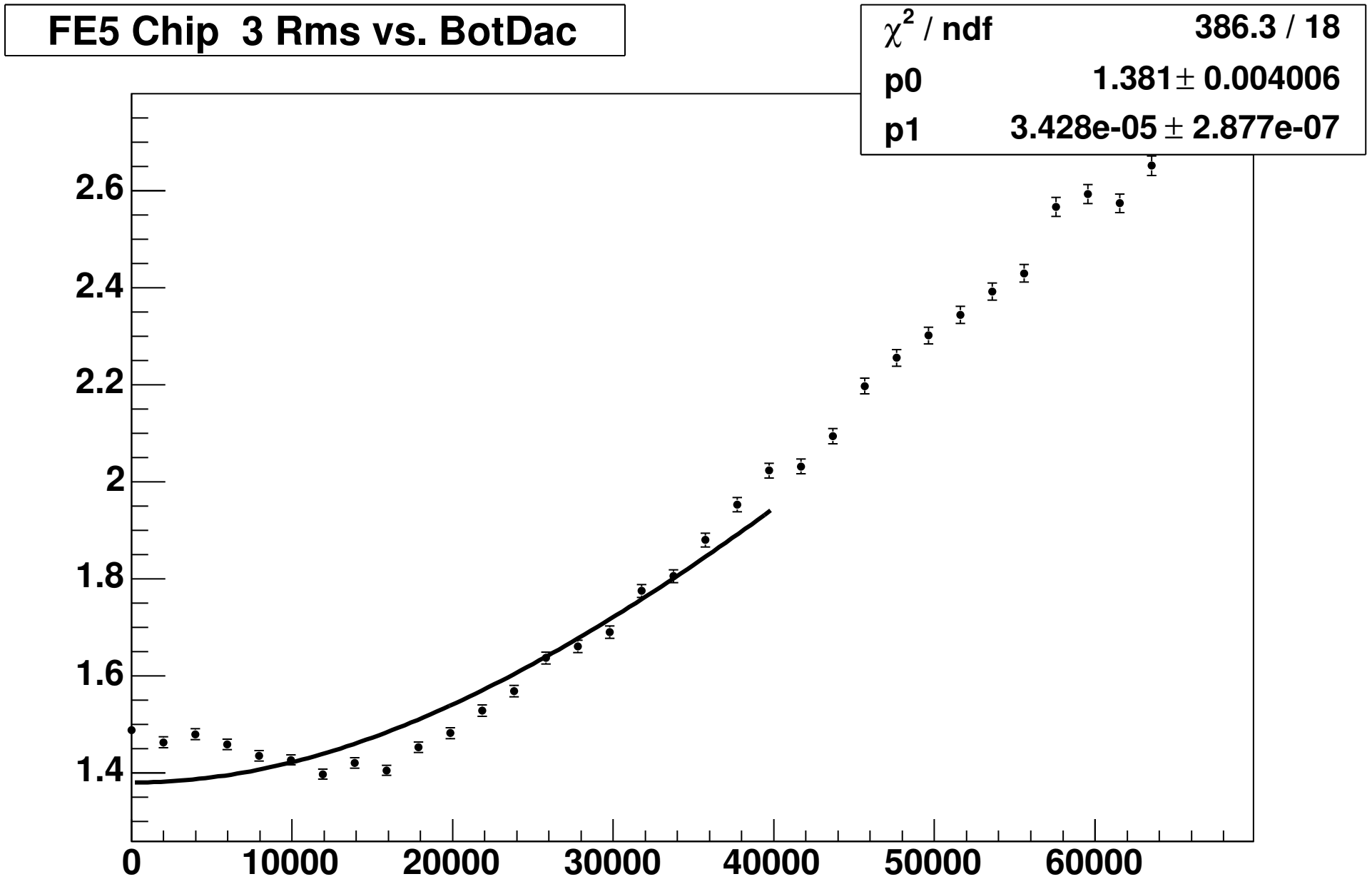
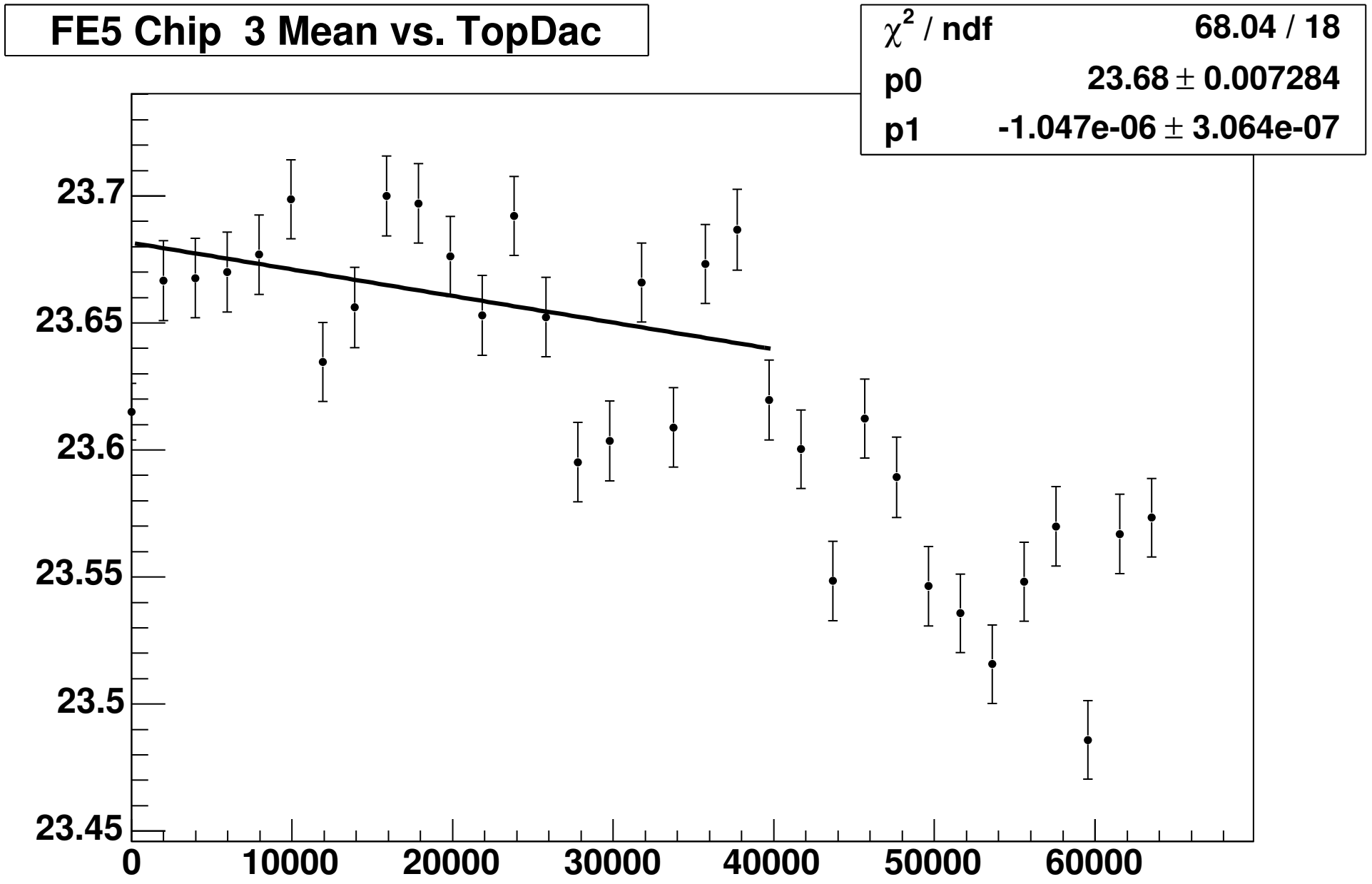
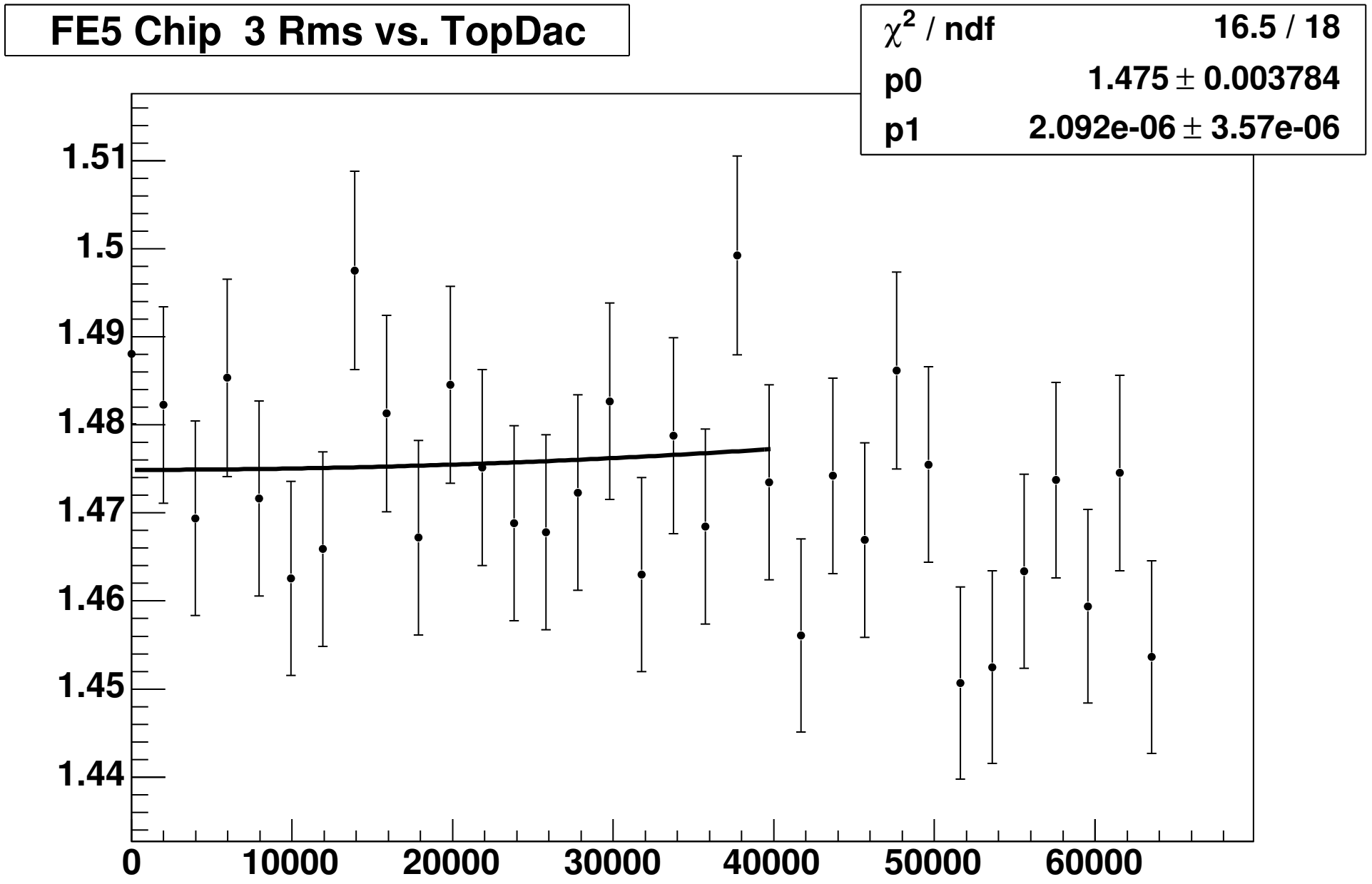
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 386.3 / 18
p0 1.381 ± 0.004006
p1 3.428e-05 ± 2.877e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 68.04 / 18
p0 23.68 ± 0.007284
p1 -1.047e-06 ± 3.064e-07
23.7
23.65
23.6
23.55
23.5
23.45
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 16.5 / 18
p0 1.475 ± 0.003784
p1 2.092e-06 ± 3.57e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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30000
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50000
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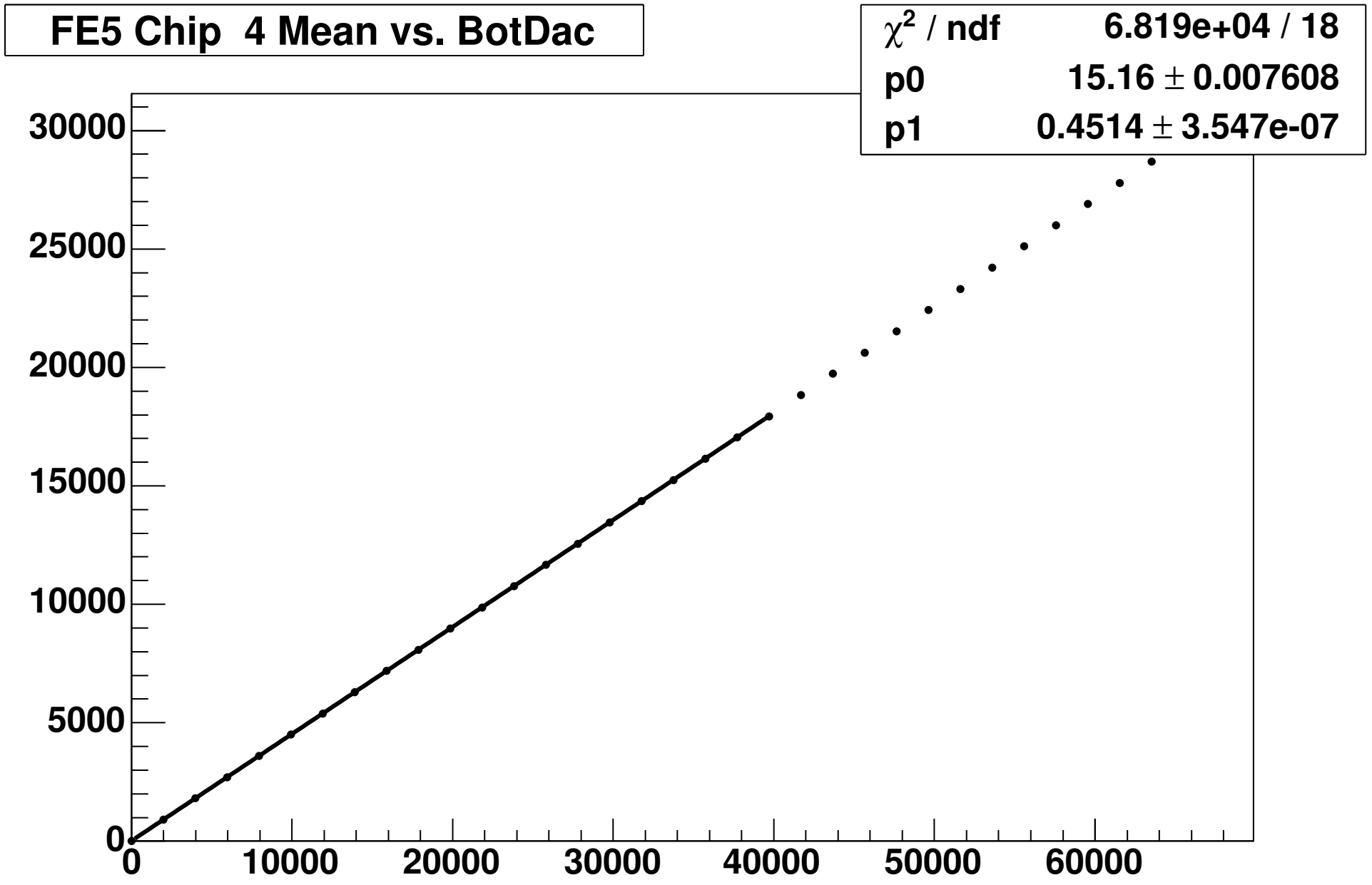
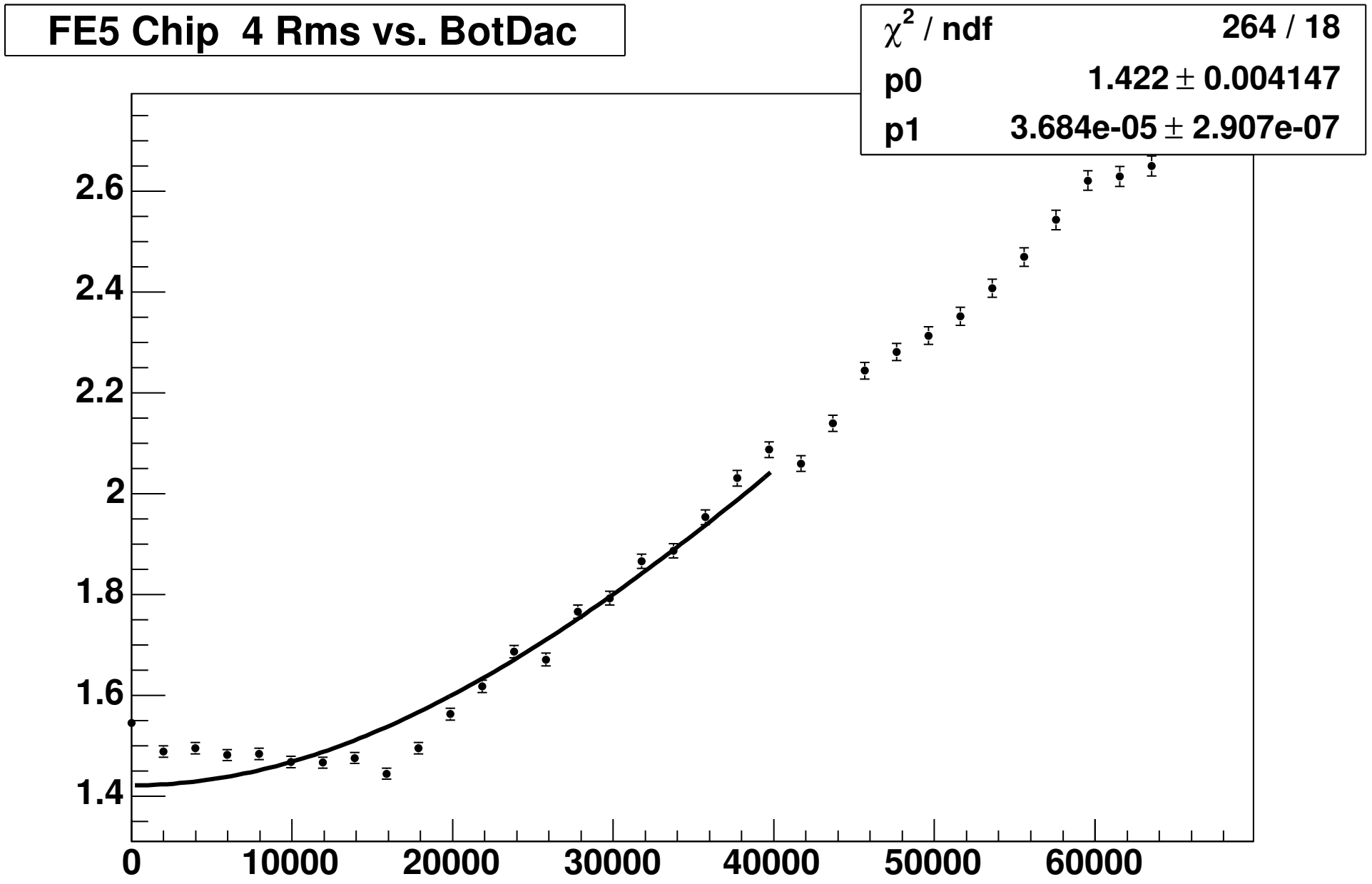
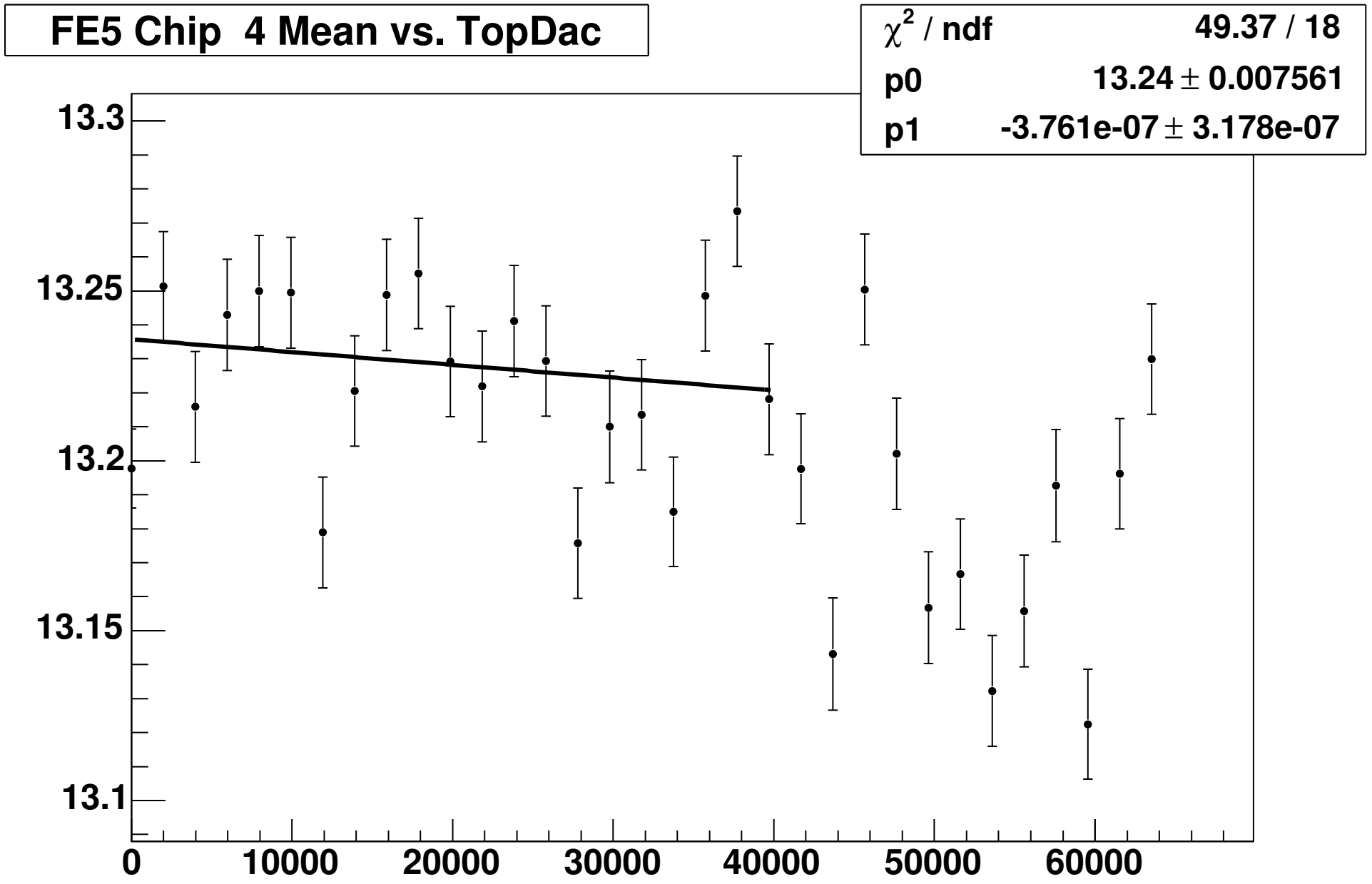
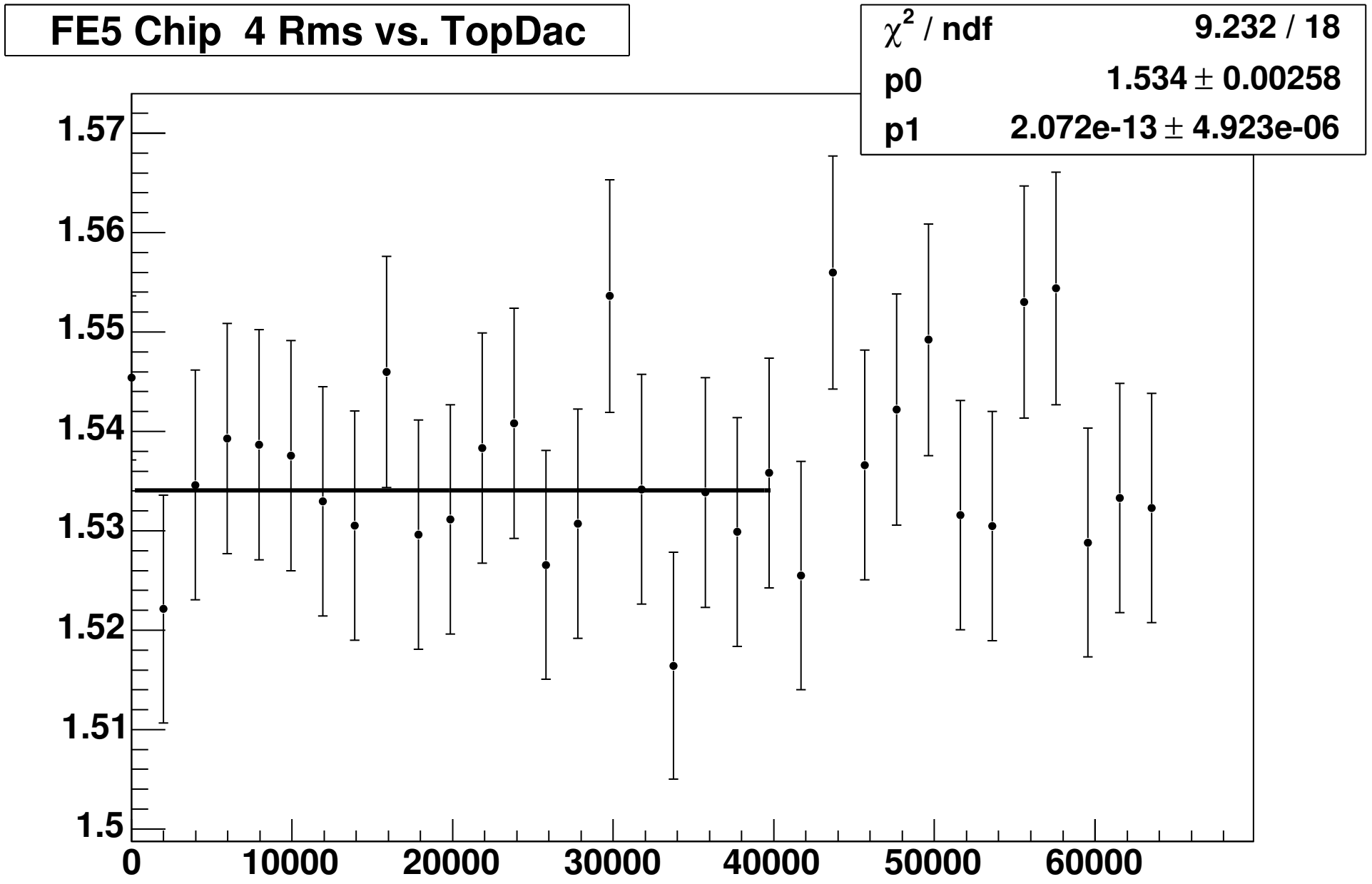
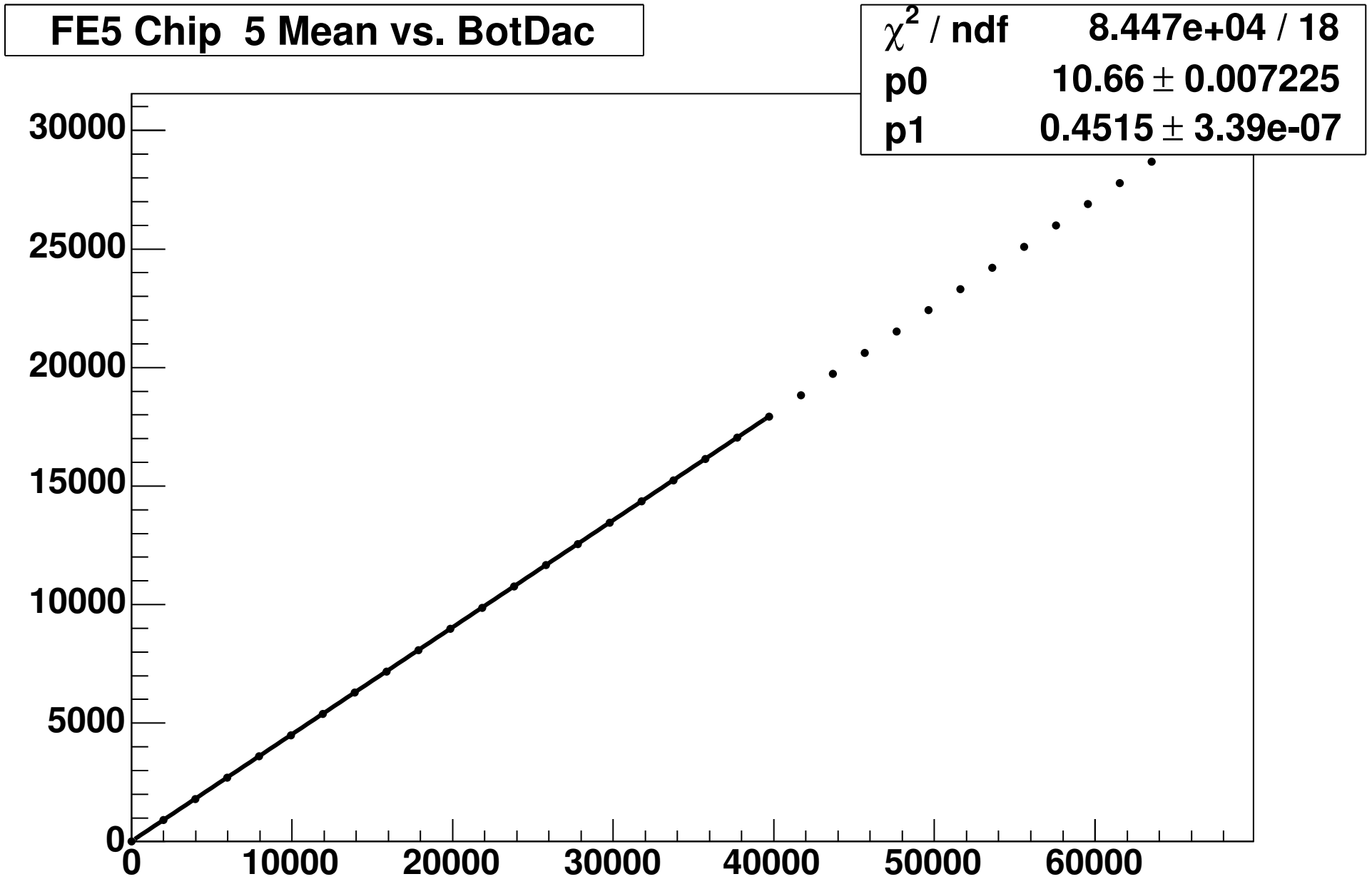
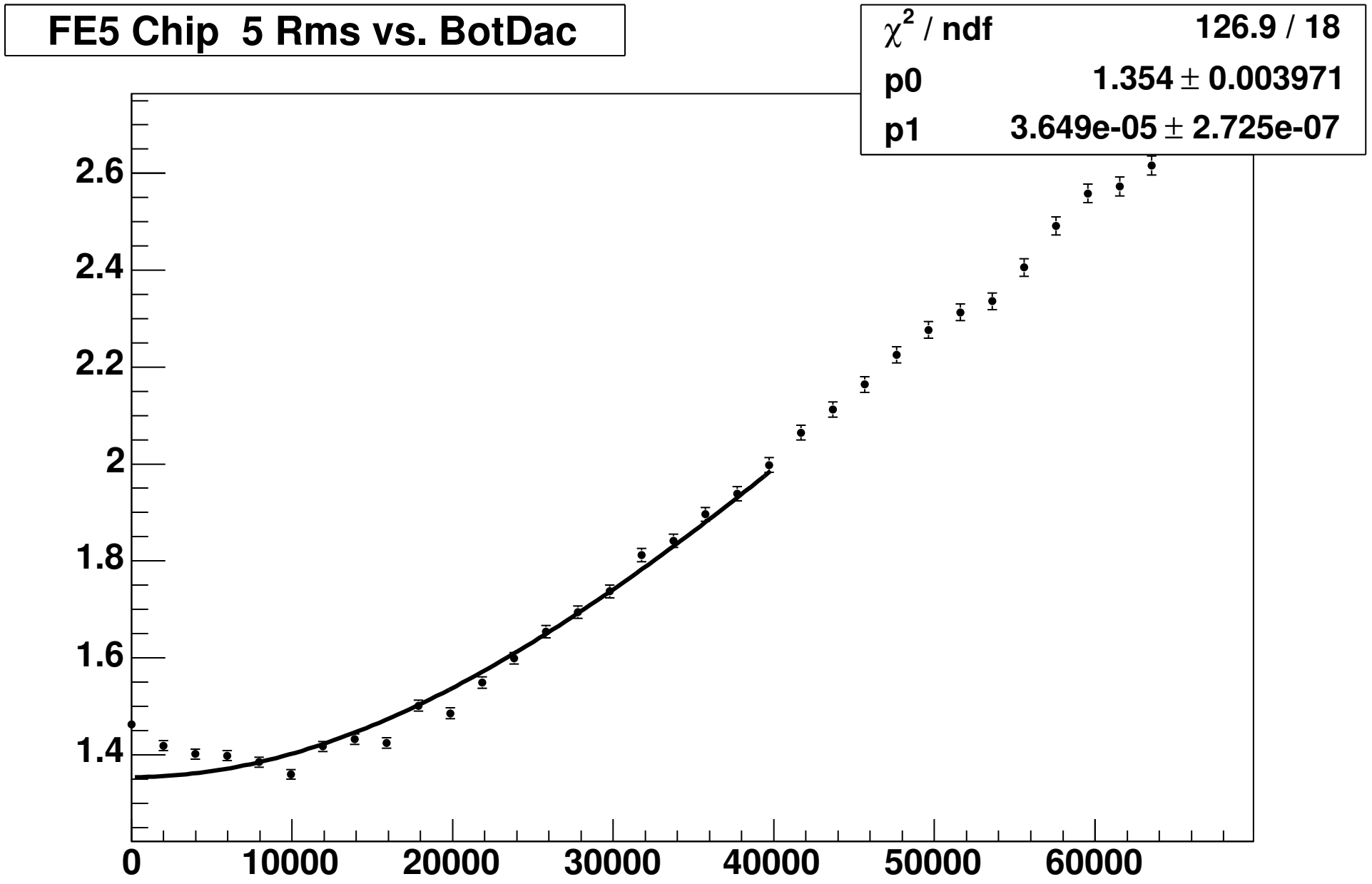

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 6.819e+04 / 18
p0 15.16 ± 0.007608
p1 0.4514 ± 3.547e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 264 / 18
p0 1.422 ± 0.004147
p1 3.684e-05 ± 2.907e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 49.37 / 18
p0 13.24 ± 0.007561
p1 -3.761e-07 ± 3.178e-07
13.3
13.25
13.2
13.15
13.1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. TopDac
χ^2 / ndf 9.232 / 18
p0 1.534 ± 0.00258
p1 2.072e-13 ± 4.923e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 8.447e+04 / 18
p0 10.66 ± 0.007225
p1 0.4515 ± 3.39e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 126.9 / 18
p0 1.354 ± 0.003971
p1 3.649e-05 ± 2.725e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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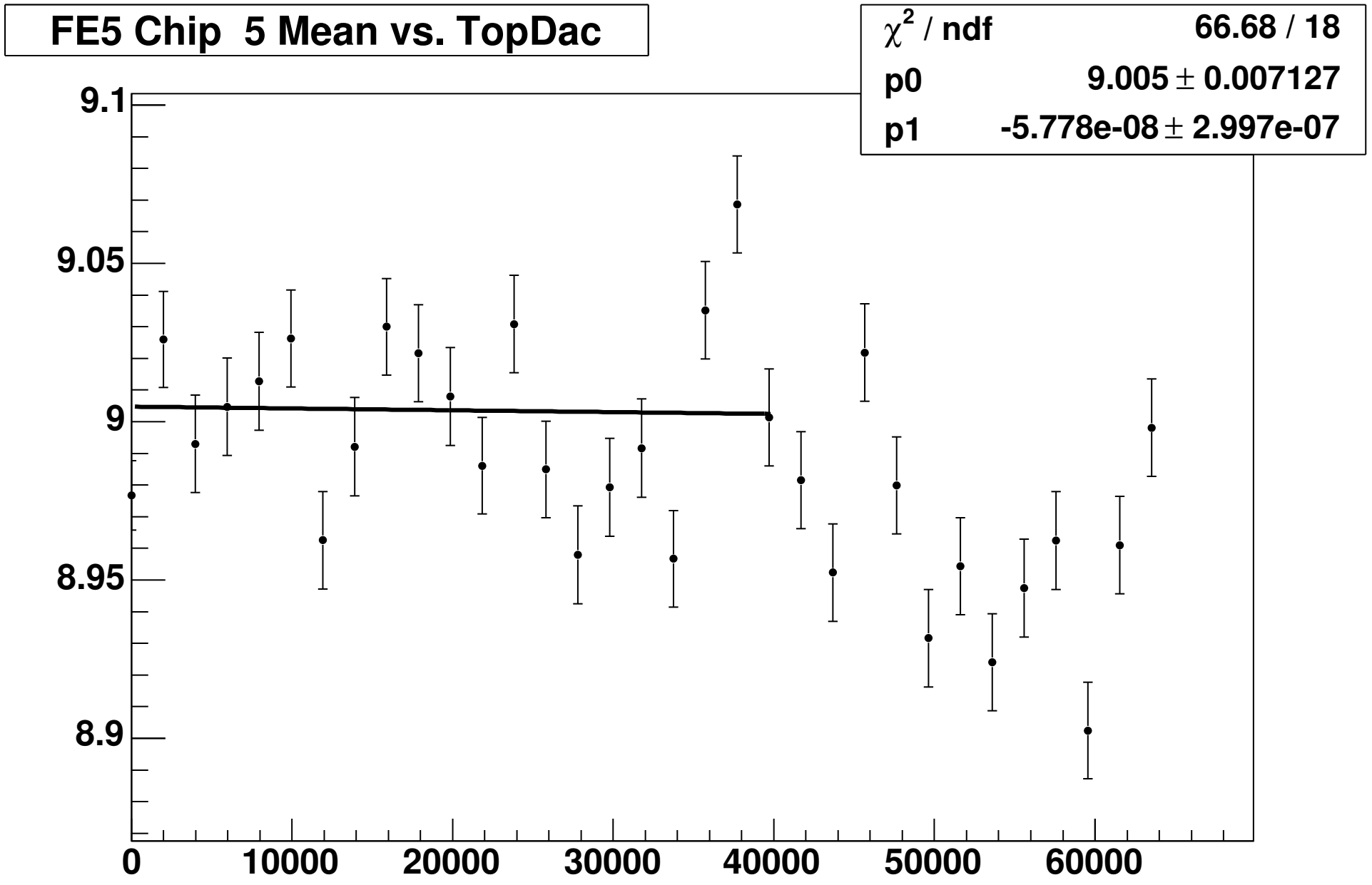
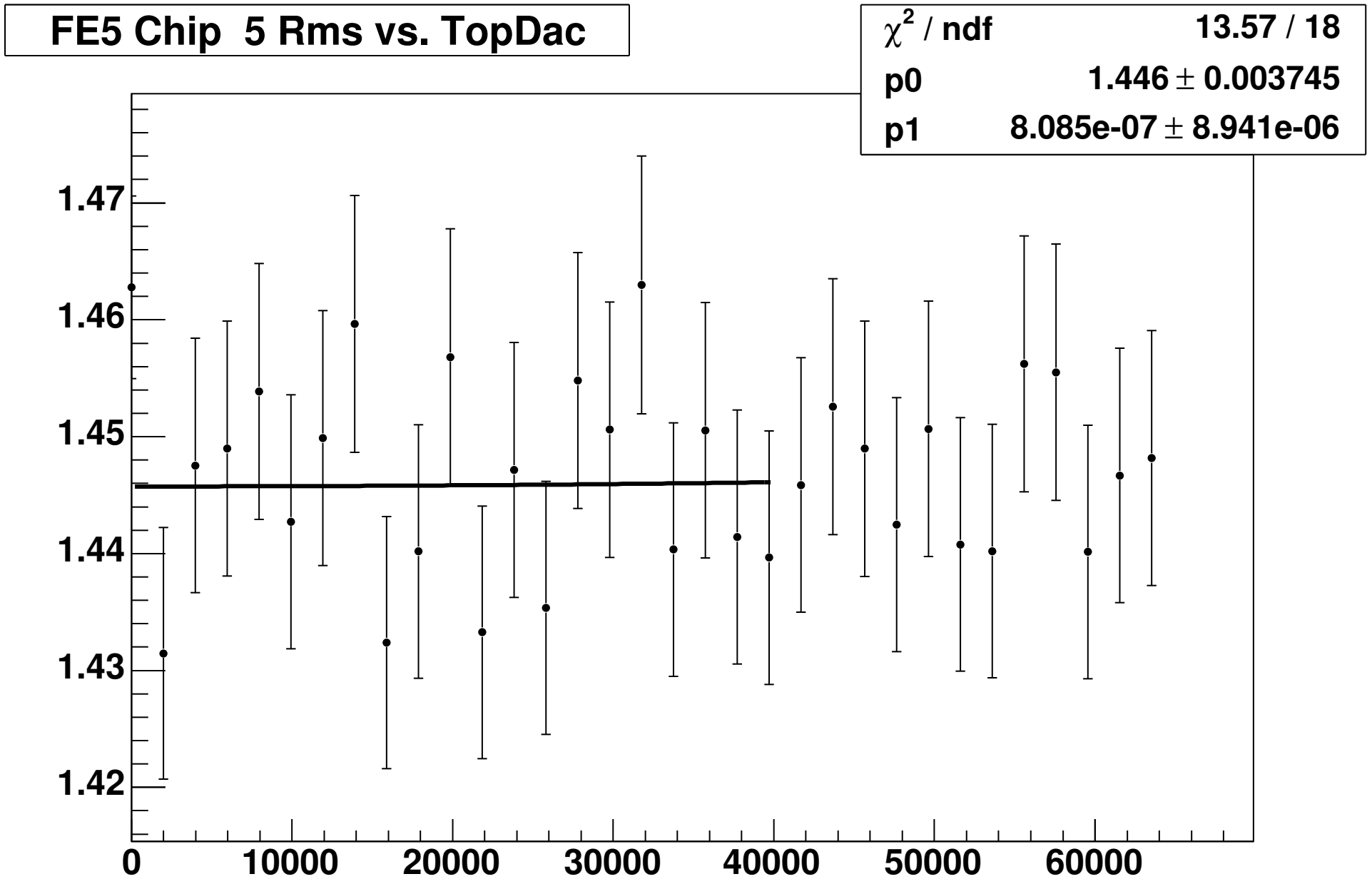

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 66.68 / 18
p0 9.005 ± 0.007127
p1 -5.778e-08 ± 2.997e-07
9.1
9.05
9
8.95
8.9
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 13.57 / 18
p0 1.446 ± 0.003745
p1 8.085e-07 ± 8.941e-06
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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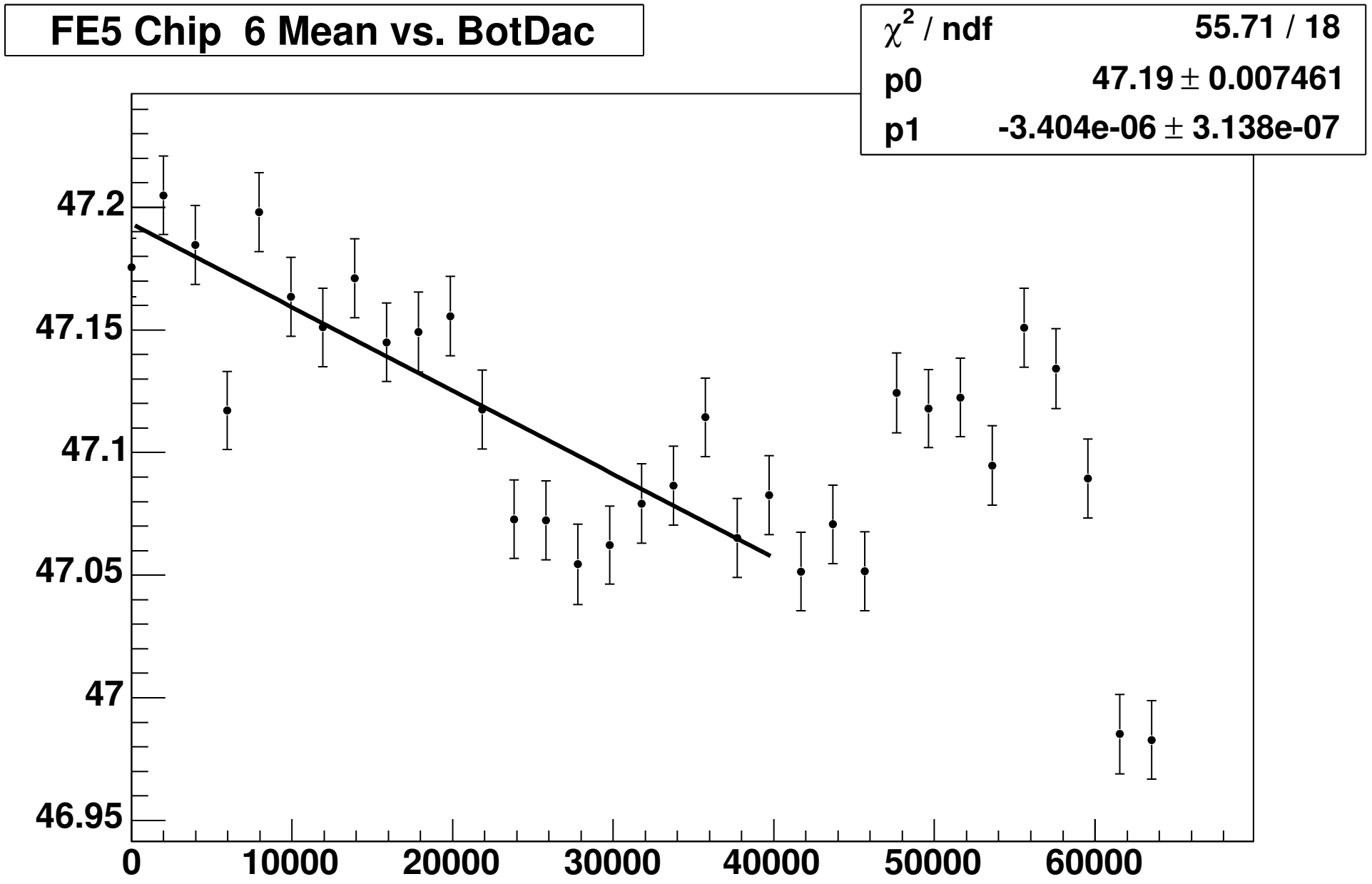
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 55.71 / 18
p0 47.19 ± 0.007461
p1 -3.404e-06 ± 3.138e-07
47.2
47.15
47.1
47.05
47
46.95
0
10000
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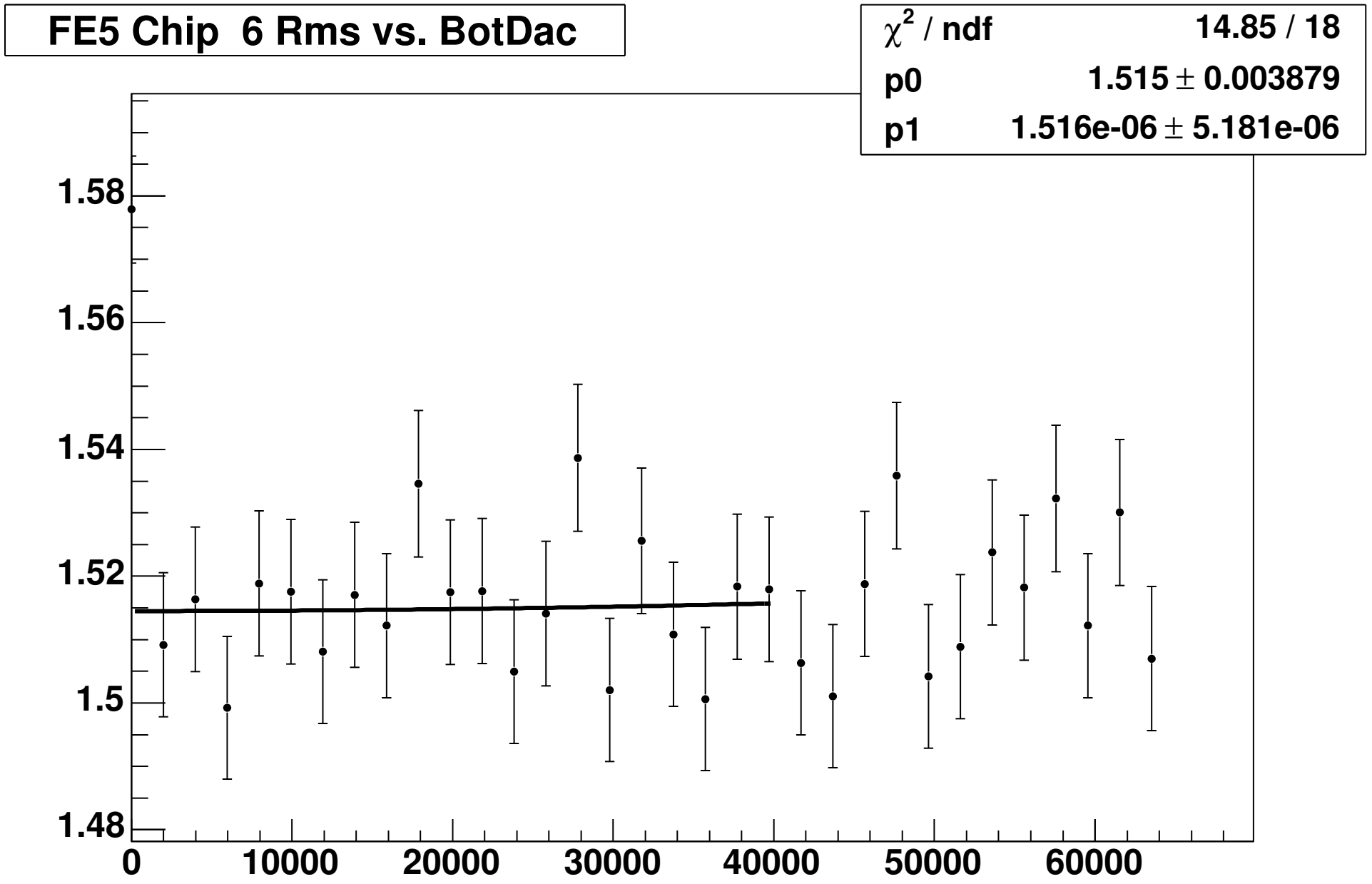
50000
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 14.85 / 18
p0 1.515 ± 0.003879
p1 1.516e-06 ± 5.181e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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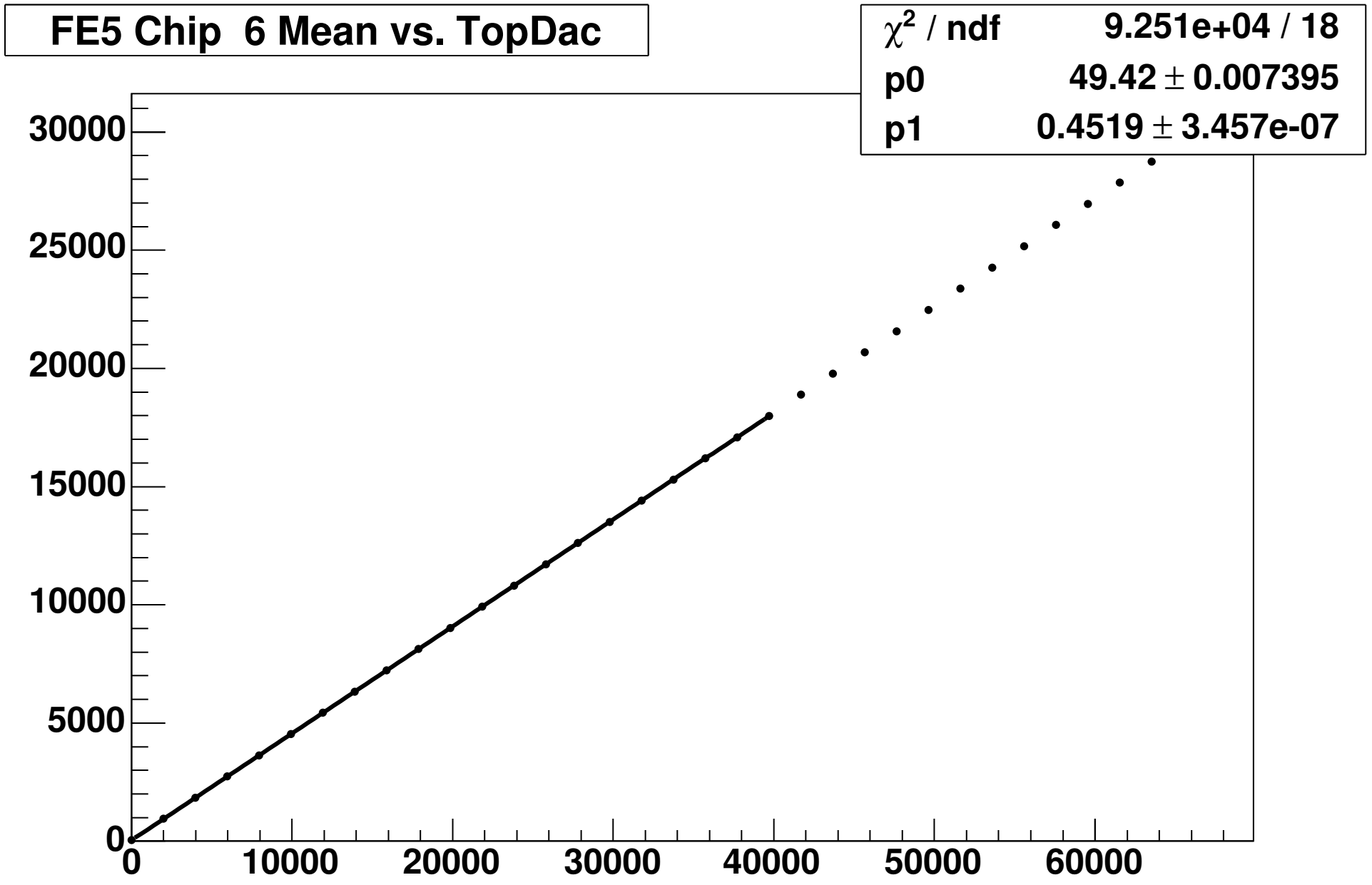
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 9.251e+04 / 18
p0 49.42 ± 0.007395
p1 0.4519 ± 3.457e-07
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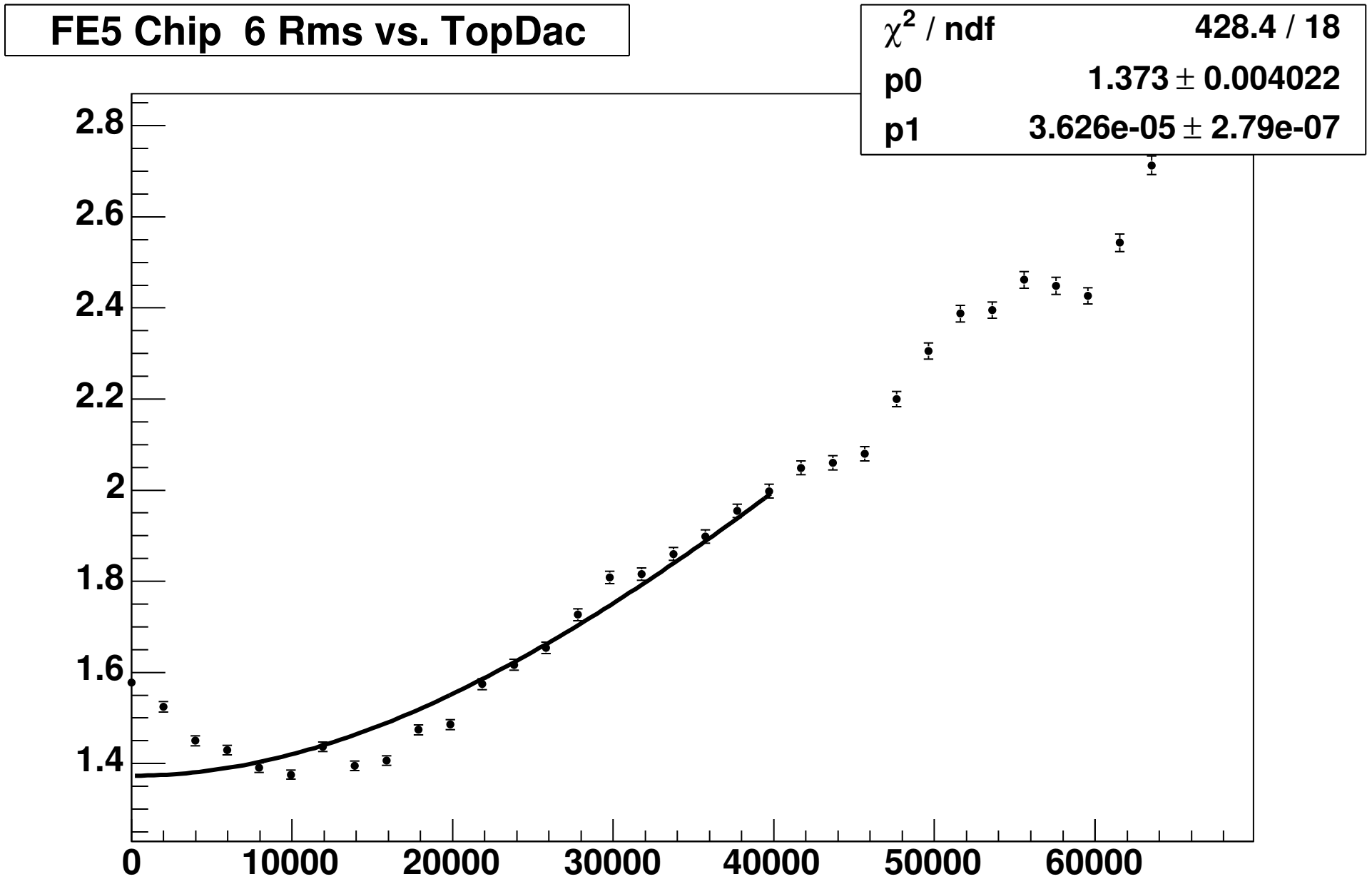
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 428.4 / 18
p0 1.373 ± 0.004022
p1 3.626e-05 ± 2.79e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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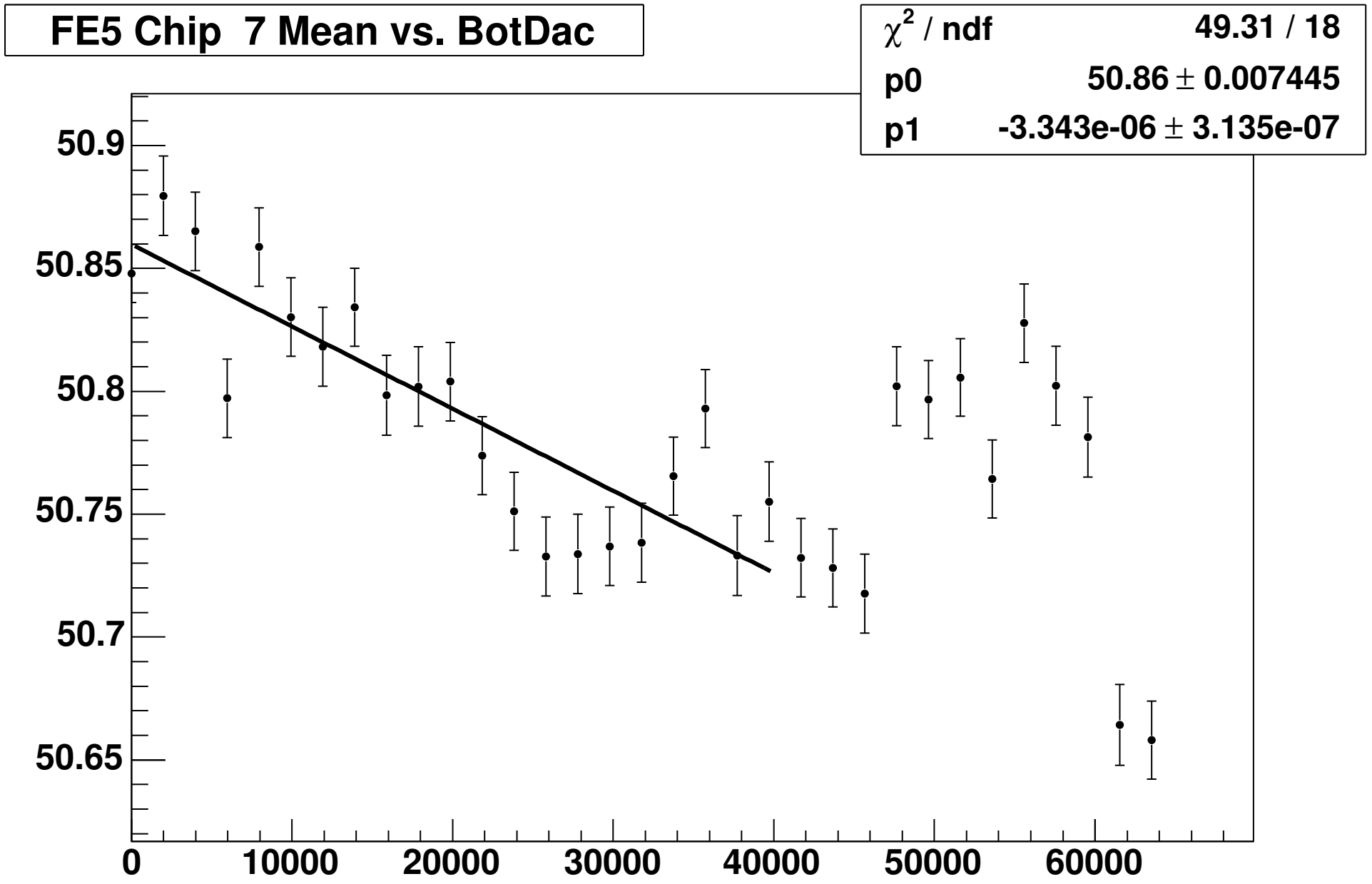
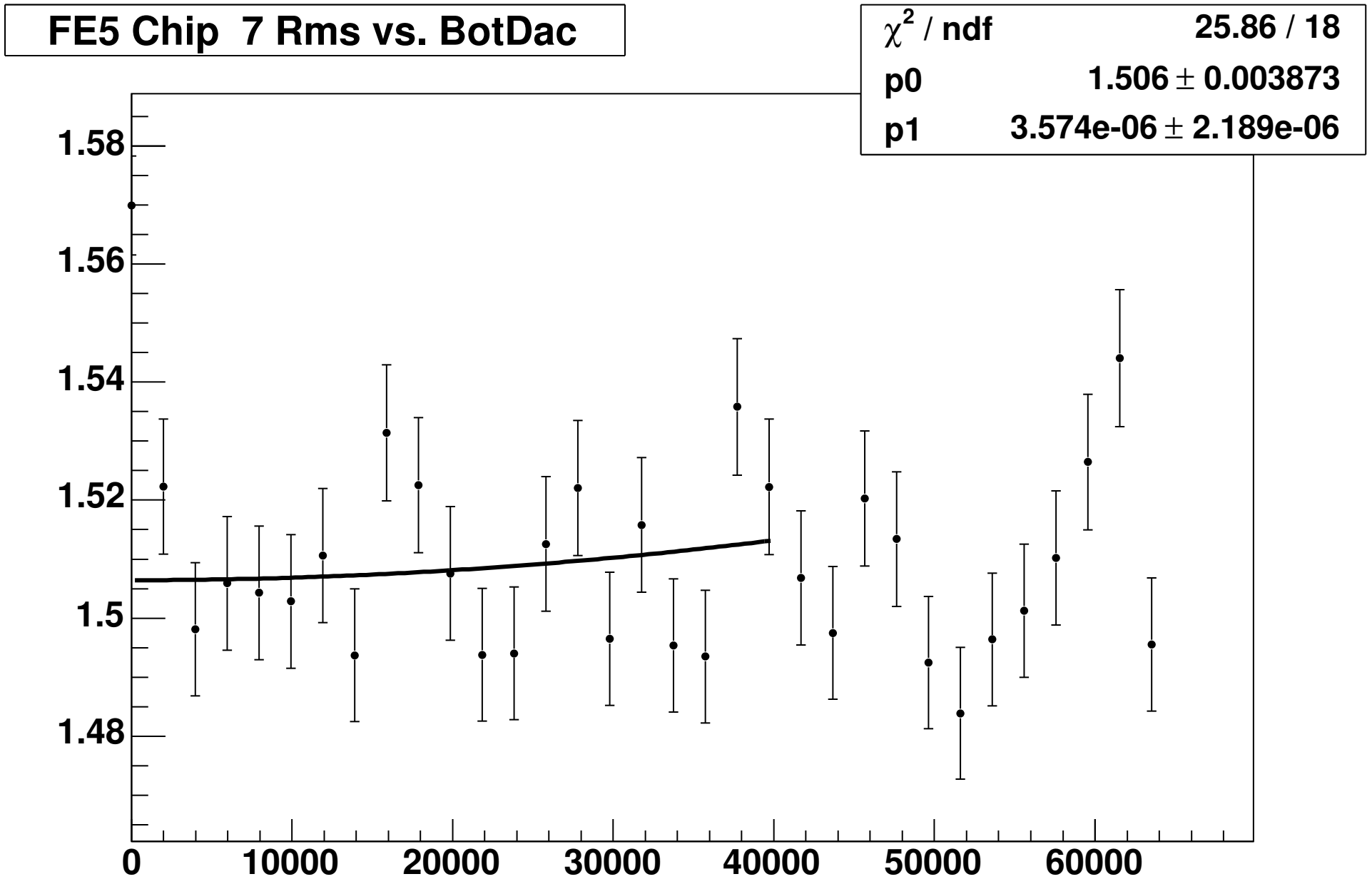
40000
50000
60000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 49.31 / 18
p0 50.86 ± 0.007445
p1 -3.343e-06 ± 3.135e-07
50.9
50.85
50.8
50.75
50.7
50.65
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 25.86 / 18
p0 1.506 ± 0.003873
p1 3.574e-06 ± 2.189e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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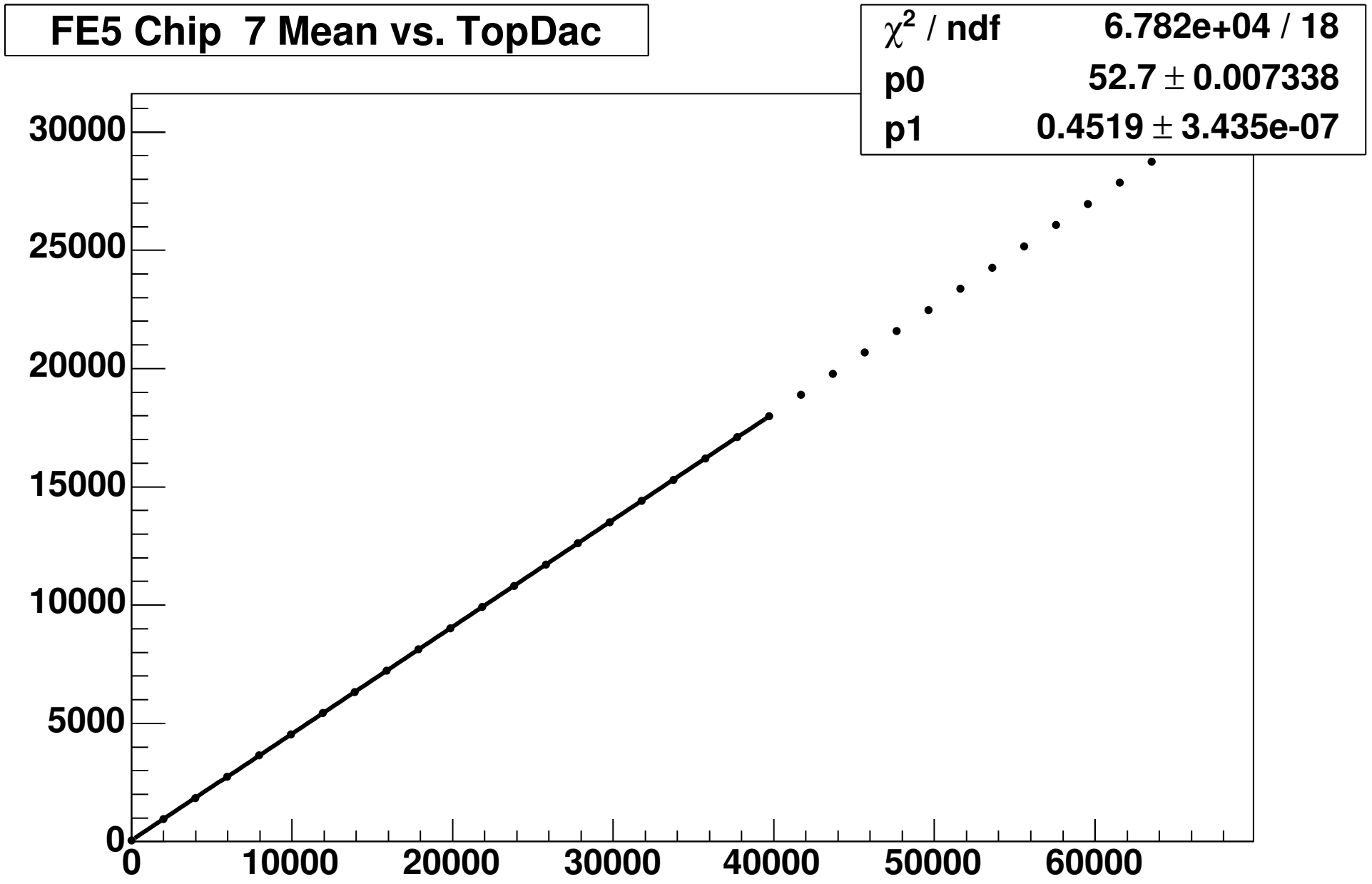
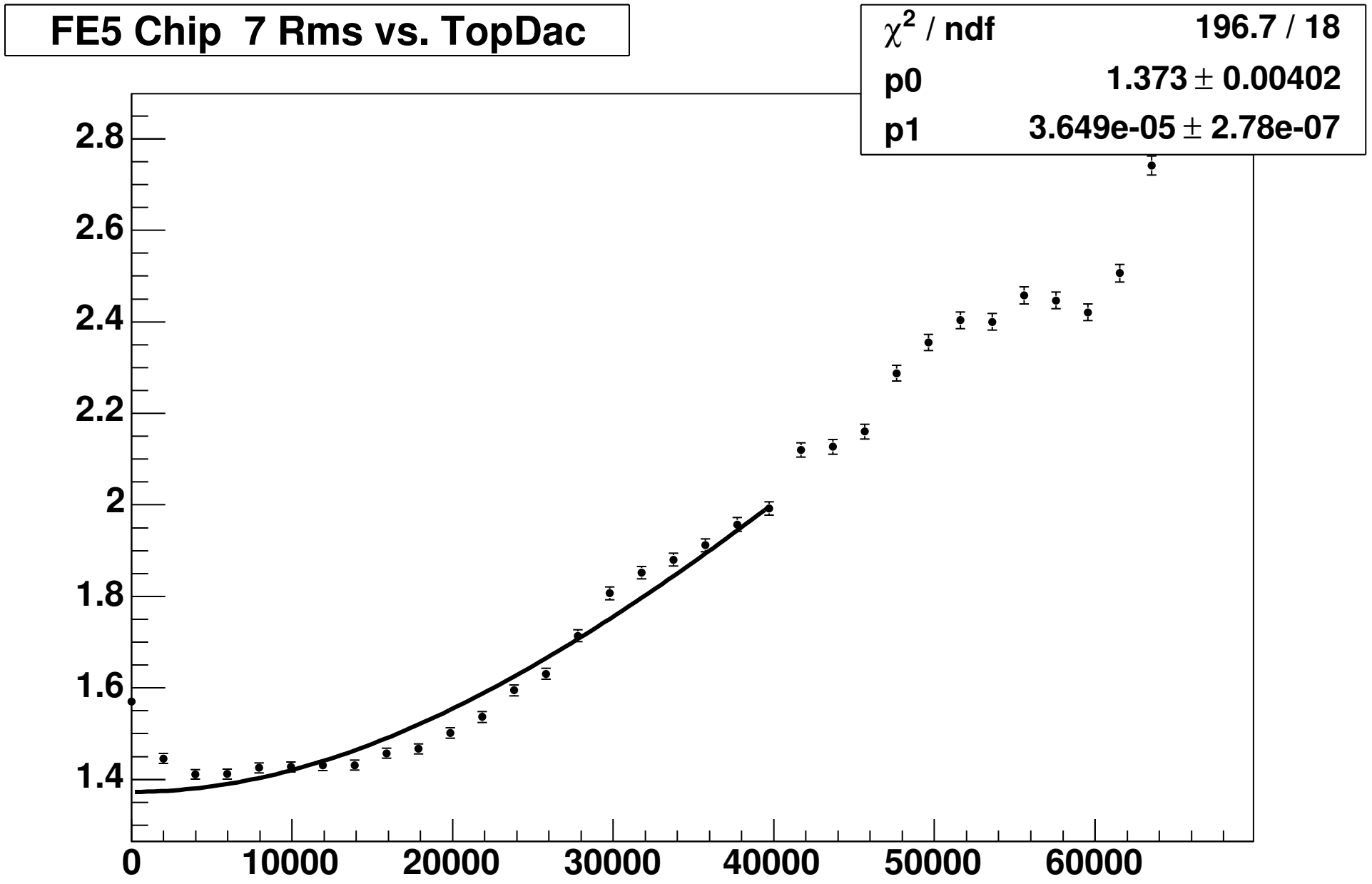

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 6.782e+04 / 18
p0 52.7 ± 0.007338
p1 0.4519 ± 3.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 196.7 / 18
p0 1.373 ± 0.00402
p1 3.649e-05 ± 2.78e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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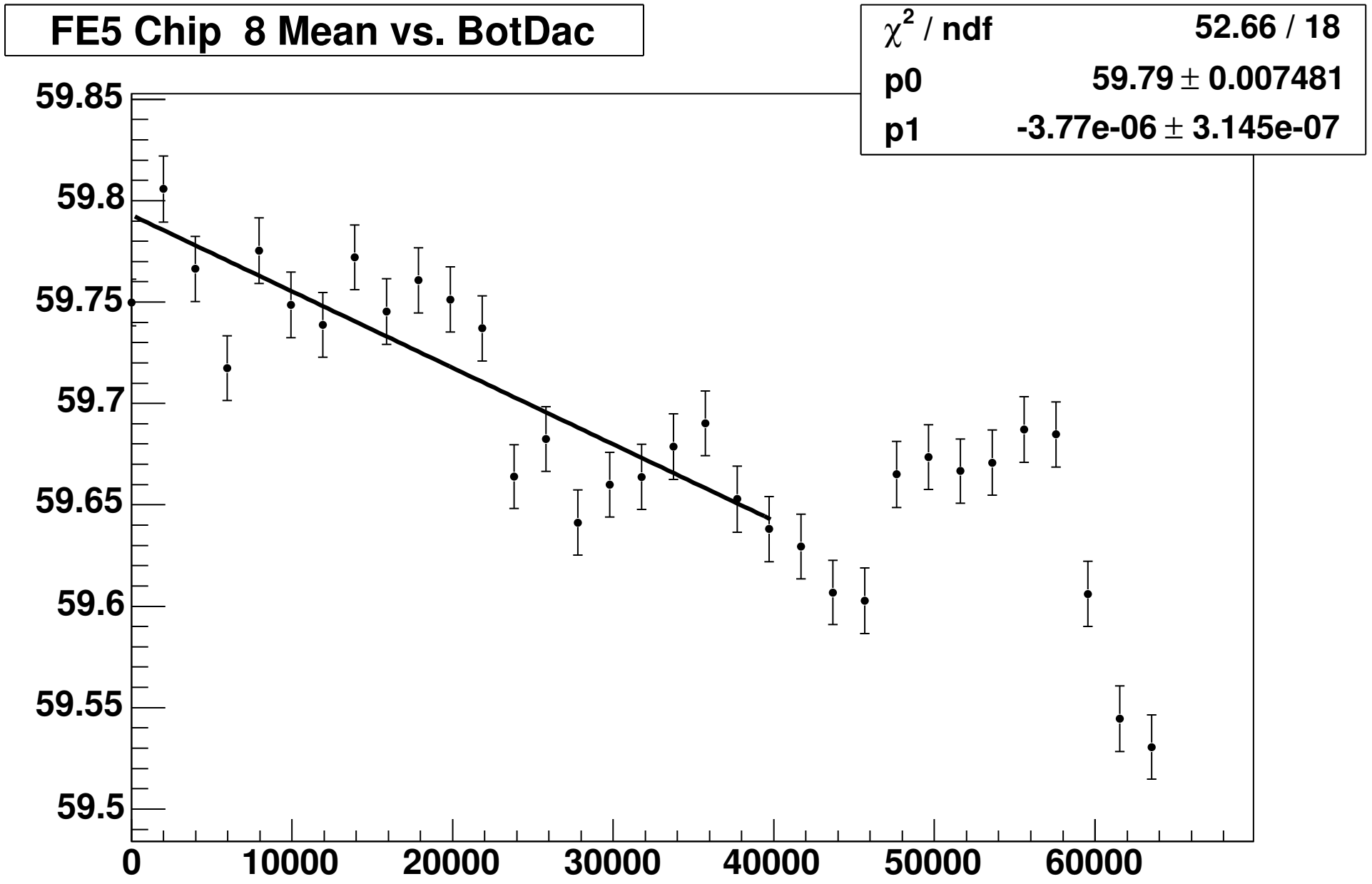
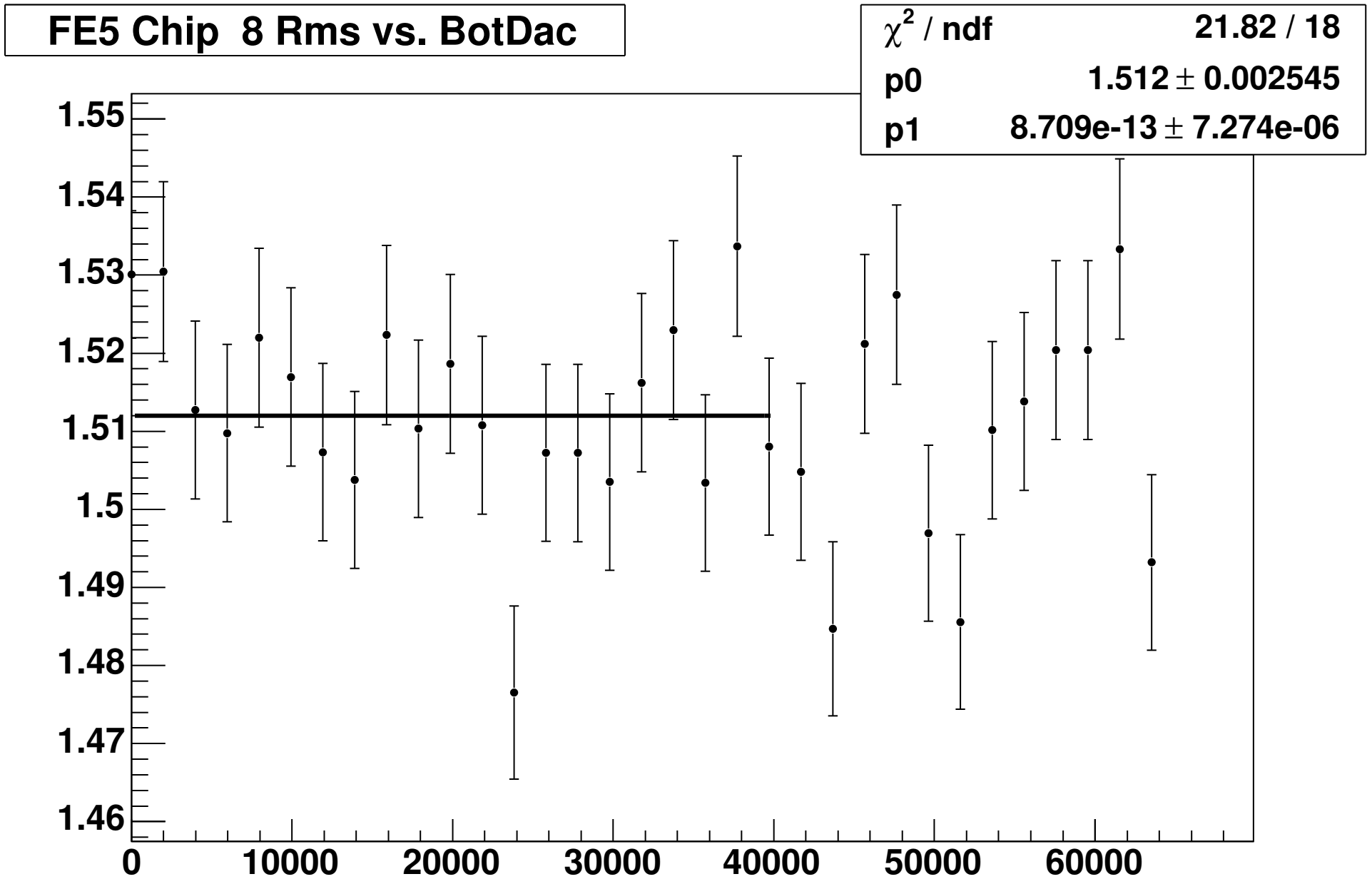
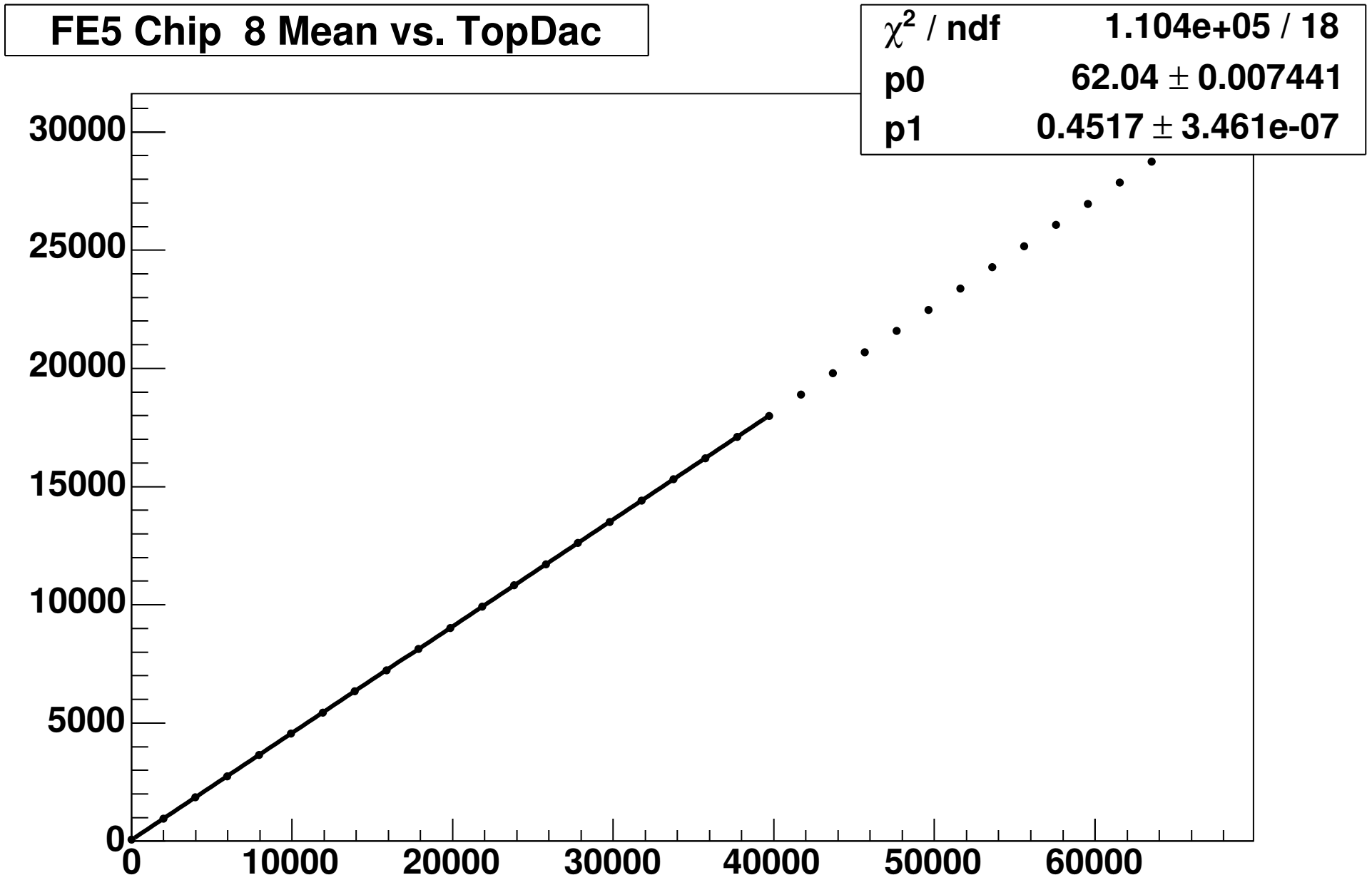
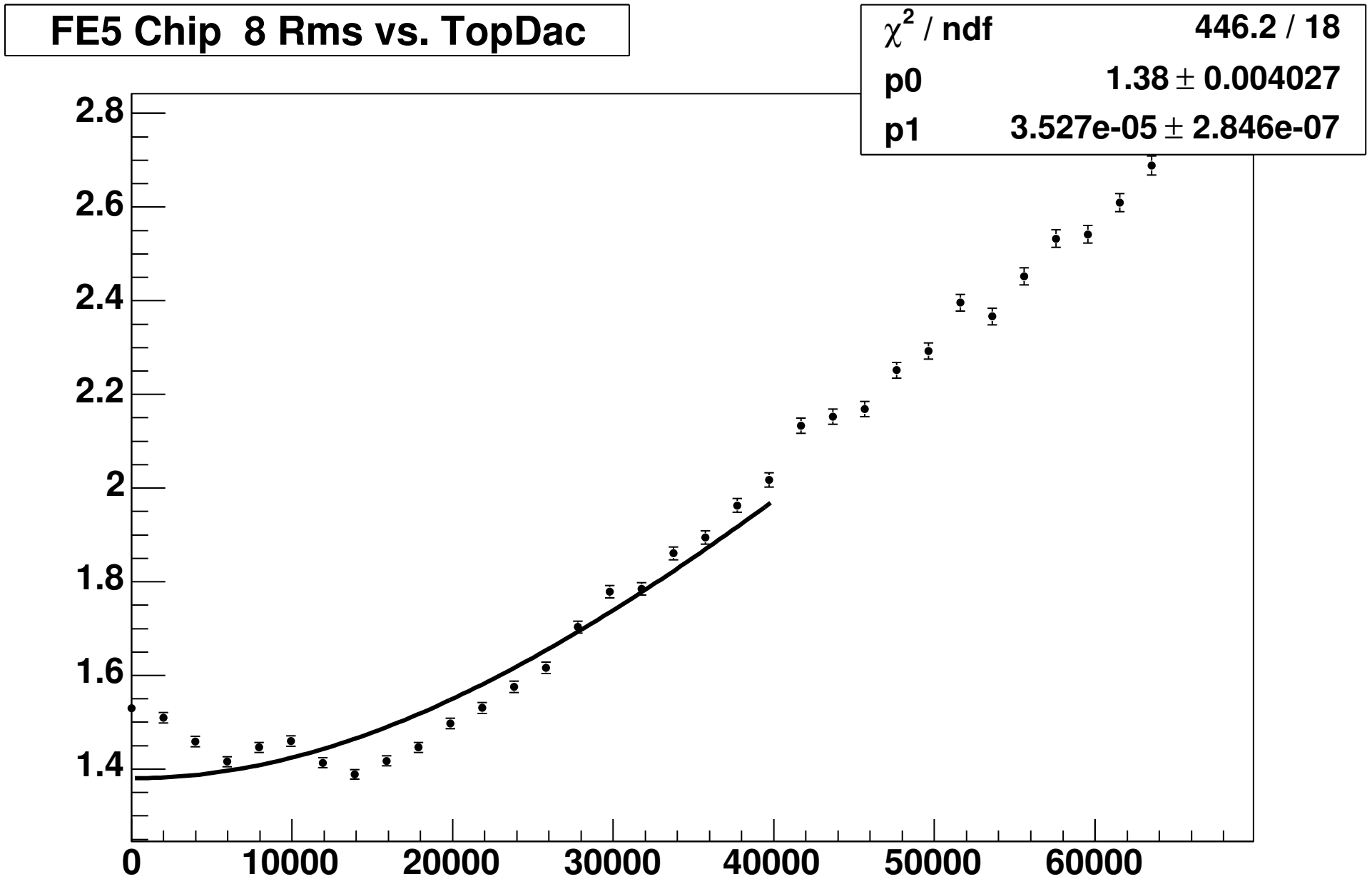
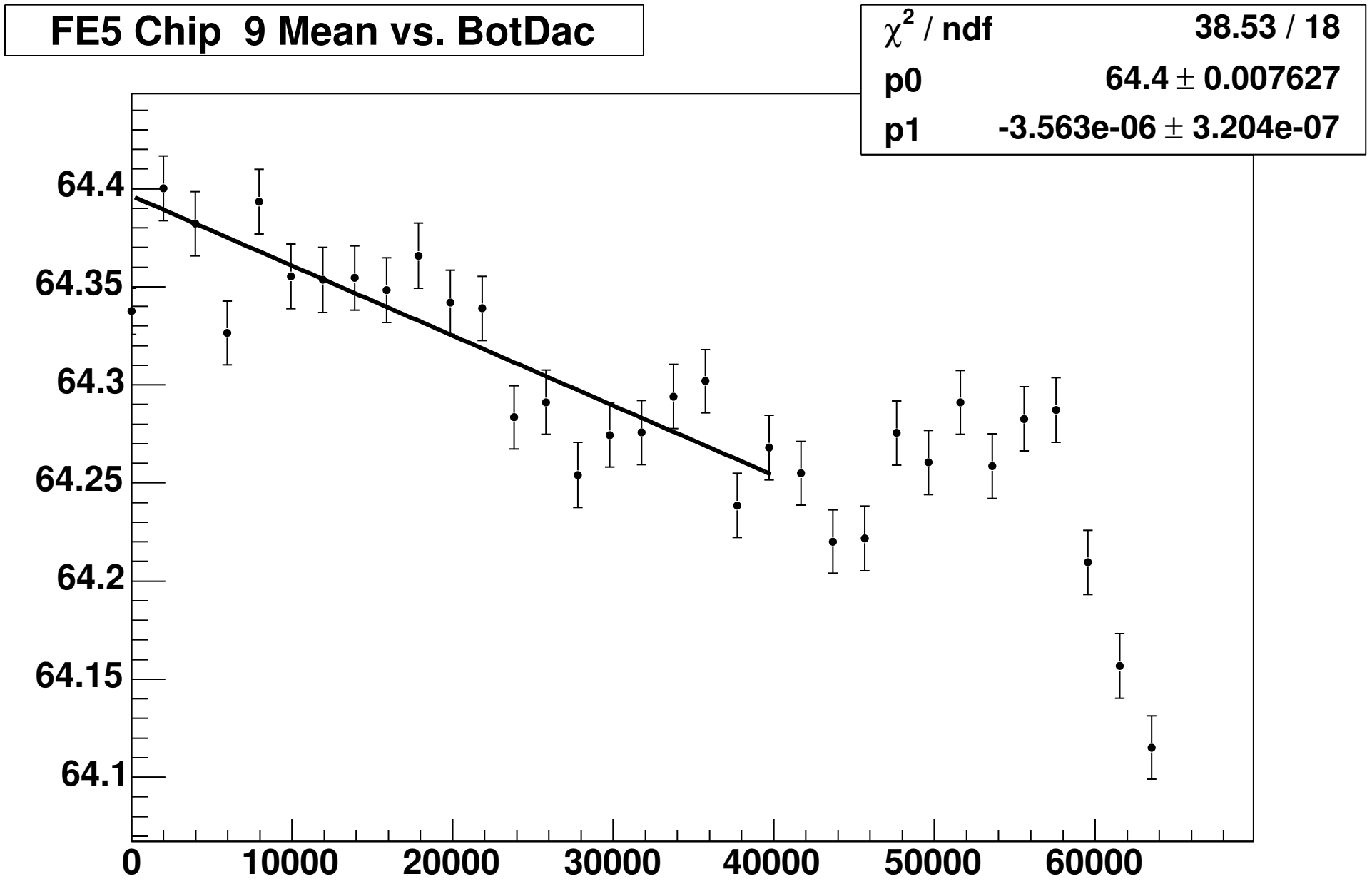
40000
50000
60000

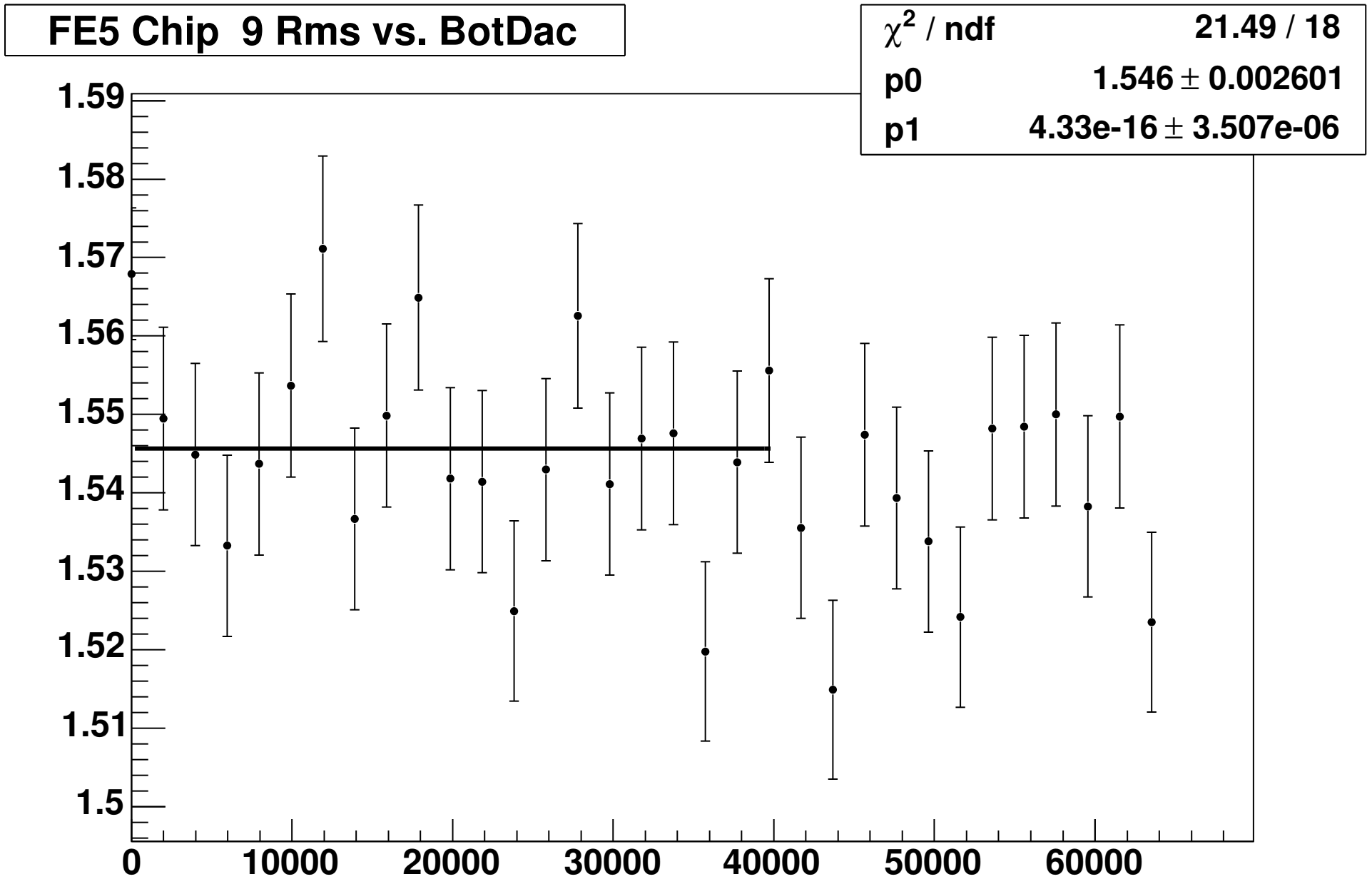

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 52.66 / 18
p0 59.79 ± 0.007481
p1 -3.77e-06 ± 3.145e-07
59.85
59.8
59.75
59.7
59.65
59.6
59.55
59.5
0
10000
20000
30000
40000
50000
60000

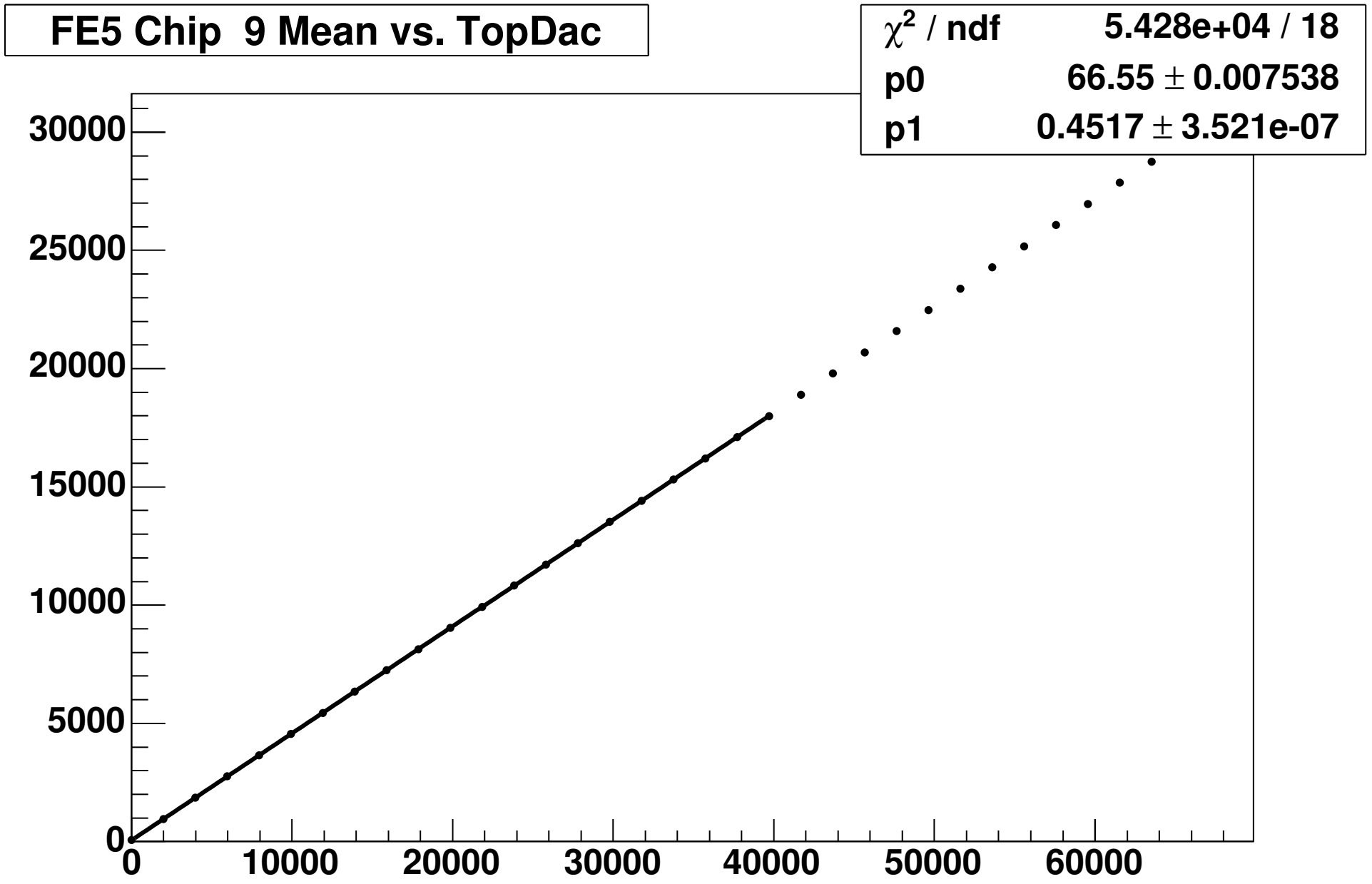

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 21.82 / 18
p0 1.512 ± 0.002545
p1 8.709e-13 ± 7.274e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

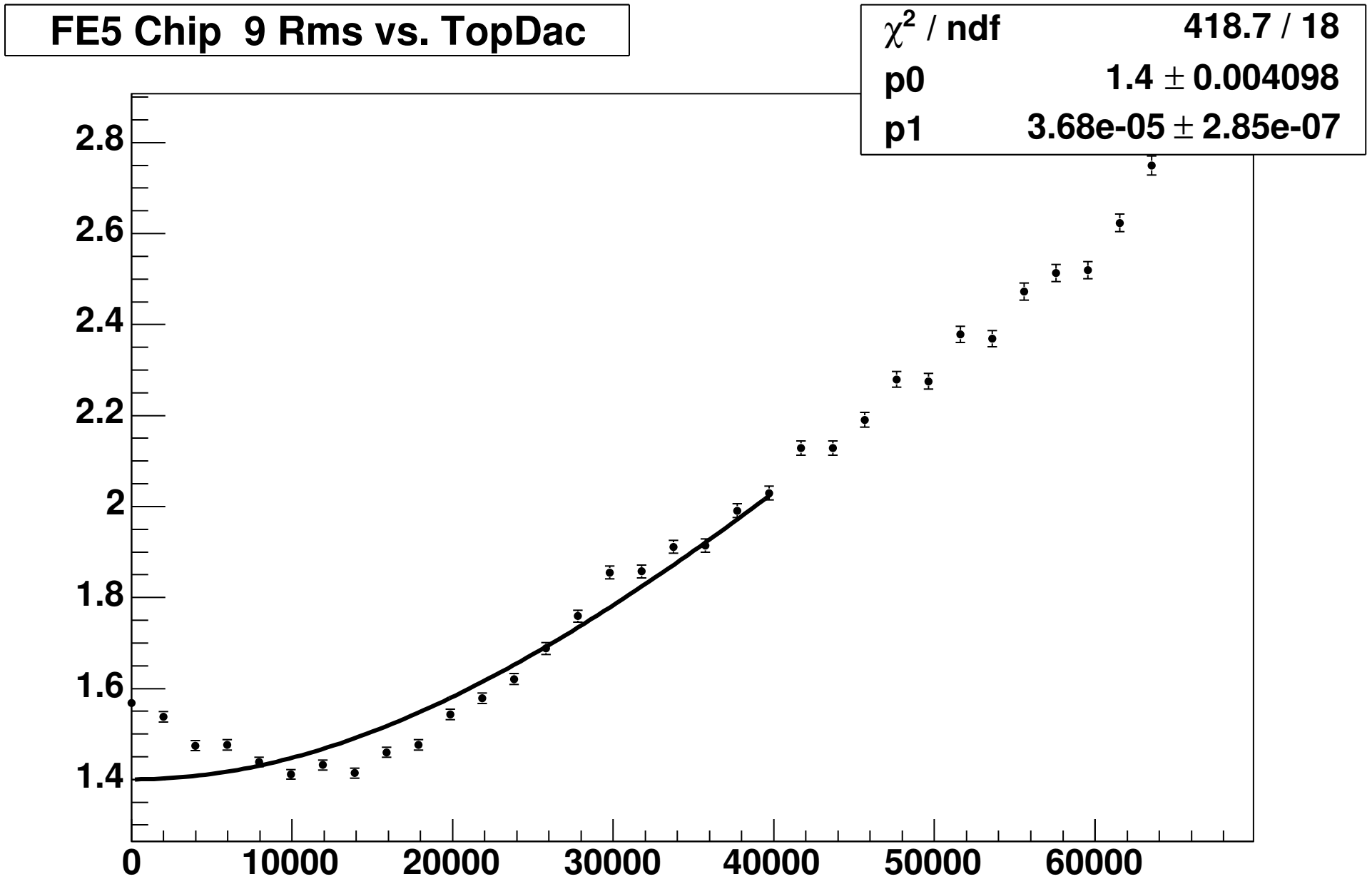

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.104e+05 / 18
p0 62.04 ± 0.007441
p1 0.4517 ± 3.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 446.2 / 18
p0 1.38 ± 0.004027
p1 3.527e-05 ± 2.846e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 38.53 / 18
p0 64.4 ± 0.007627
p1 -3.563e-06 ± 3.204e-07
64.4
64.35
64.3
64.25
64.2
64.15
64.1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 21.49 / 18
p0 1.546 ± 0.002601
p1 4.33e-16 ± 3.507e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 5.428e+04 / 18
p0 66.55 ± 0.007538
p1 0.4517 ± 3.521e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. TopDac
χ^2 / ndf 418.7 / 18
p0 1.4 ± 0.004098
p1 3.68e-05 ± 2.85e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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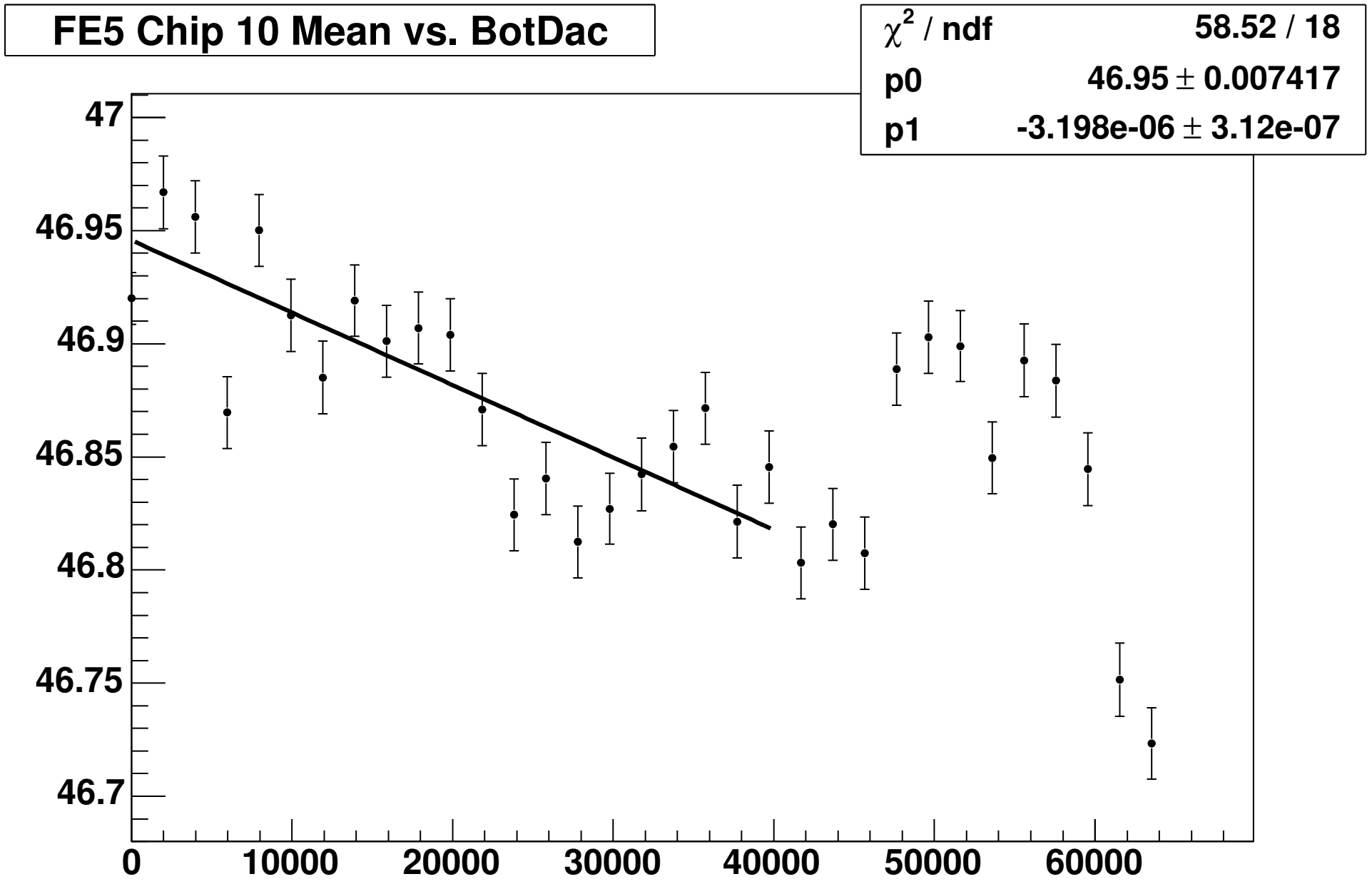
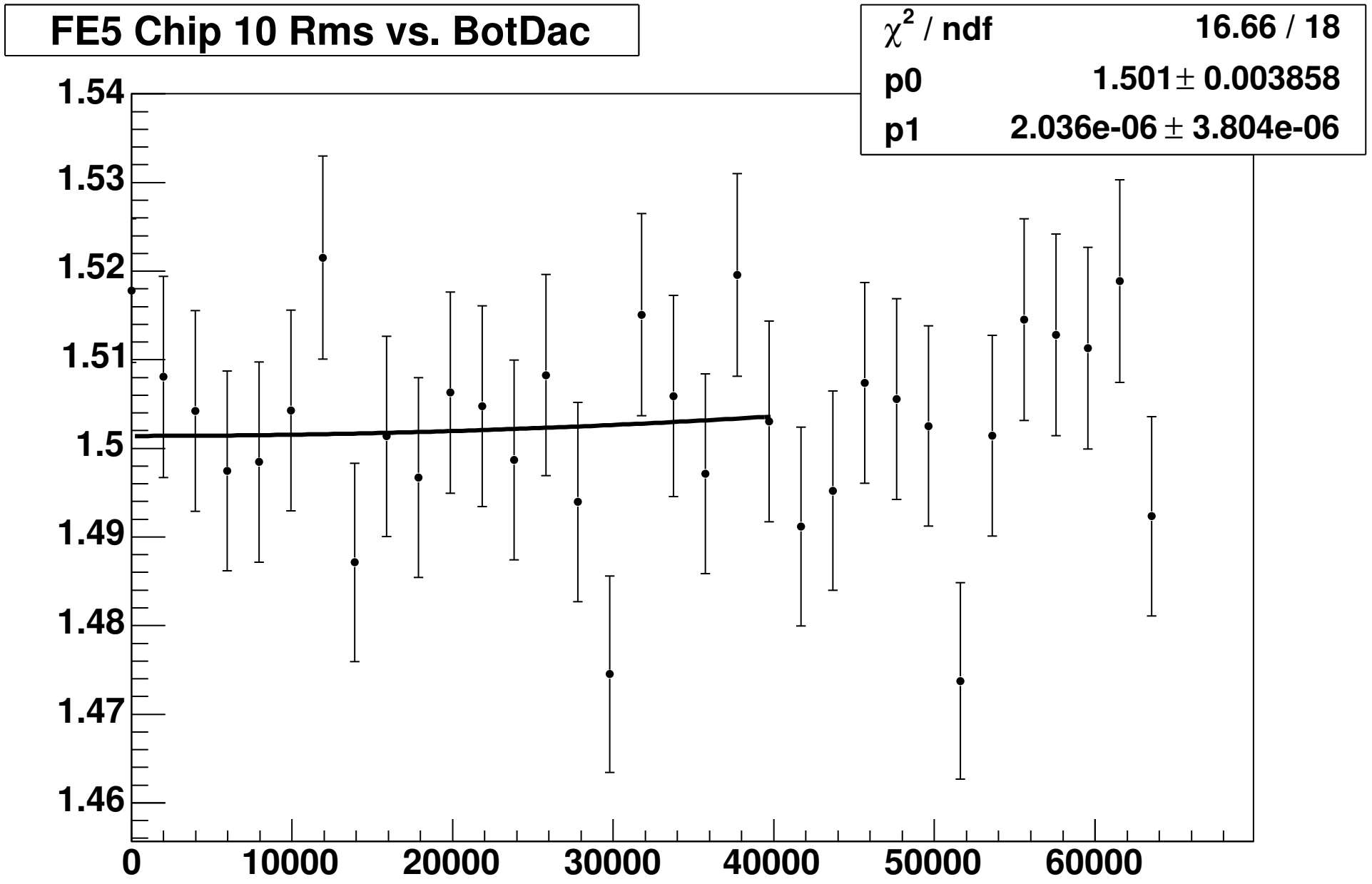
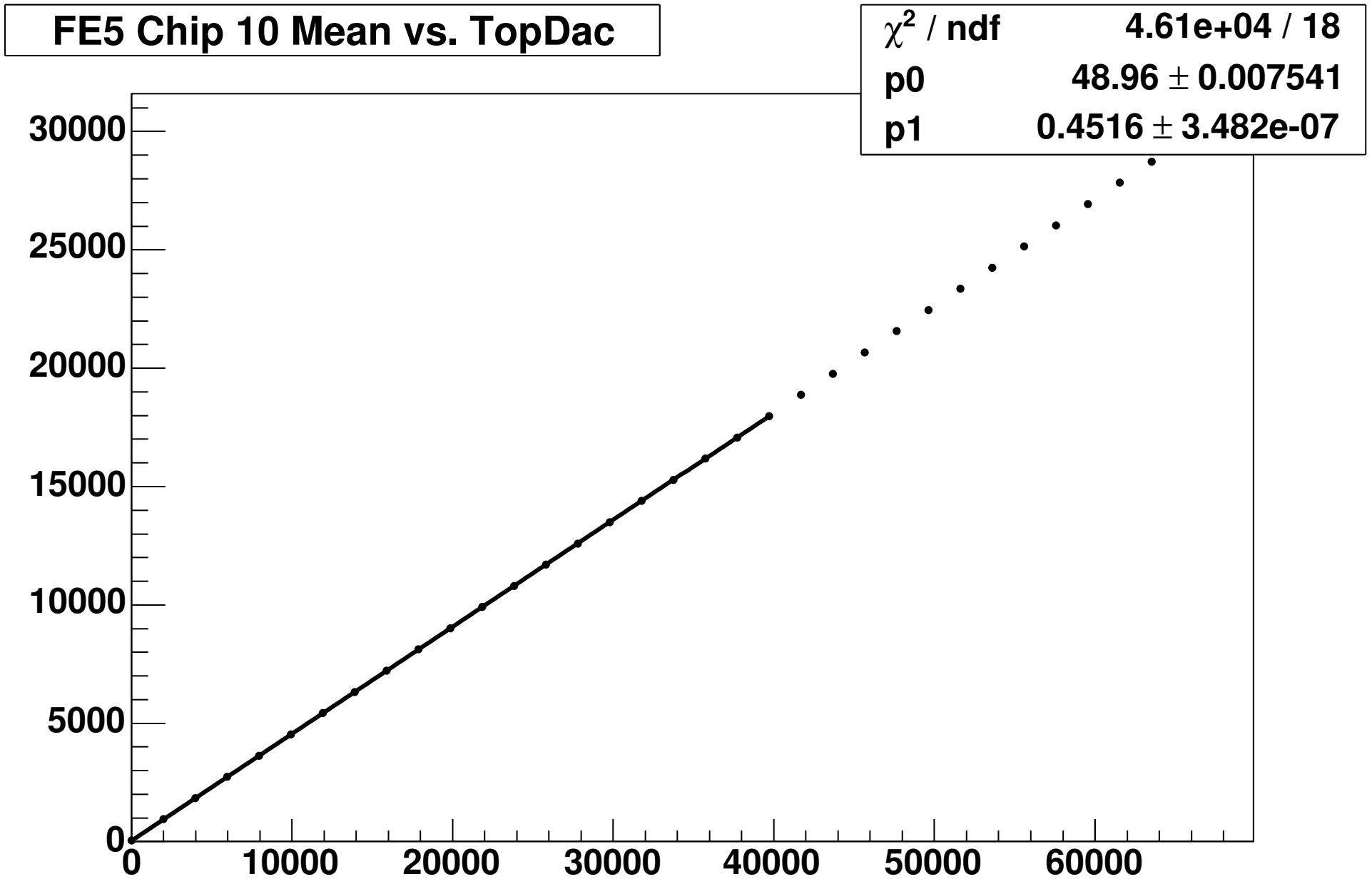
40000
50000
60000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 58.52 / 18
p0 46.95 ± 0.007417
p1 -3.198e-06 ± 3.12e-07
47
46.95
46.9
46.85
46.8
46.75
46.7
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 16.66 / 18
p0 1.501 ± 0.003858
p1 2.036e-06 ± 3.804e-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


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 4.61e+04 / 18
p0 48.96 ± 0.007541
p1 0.4516 ± 3.482e-07
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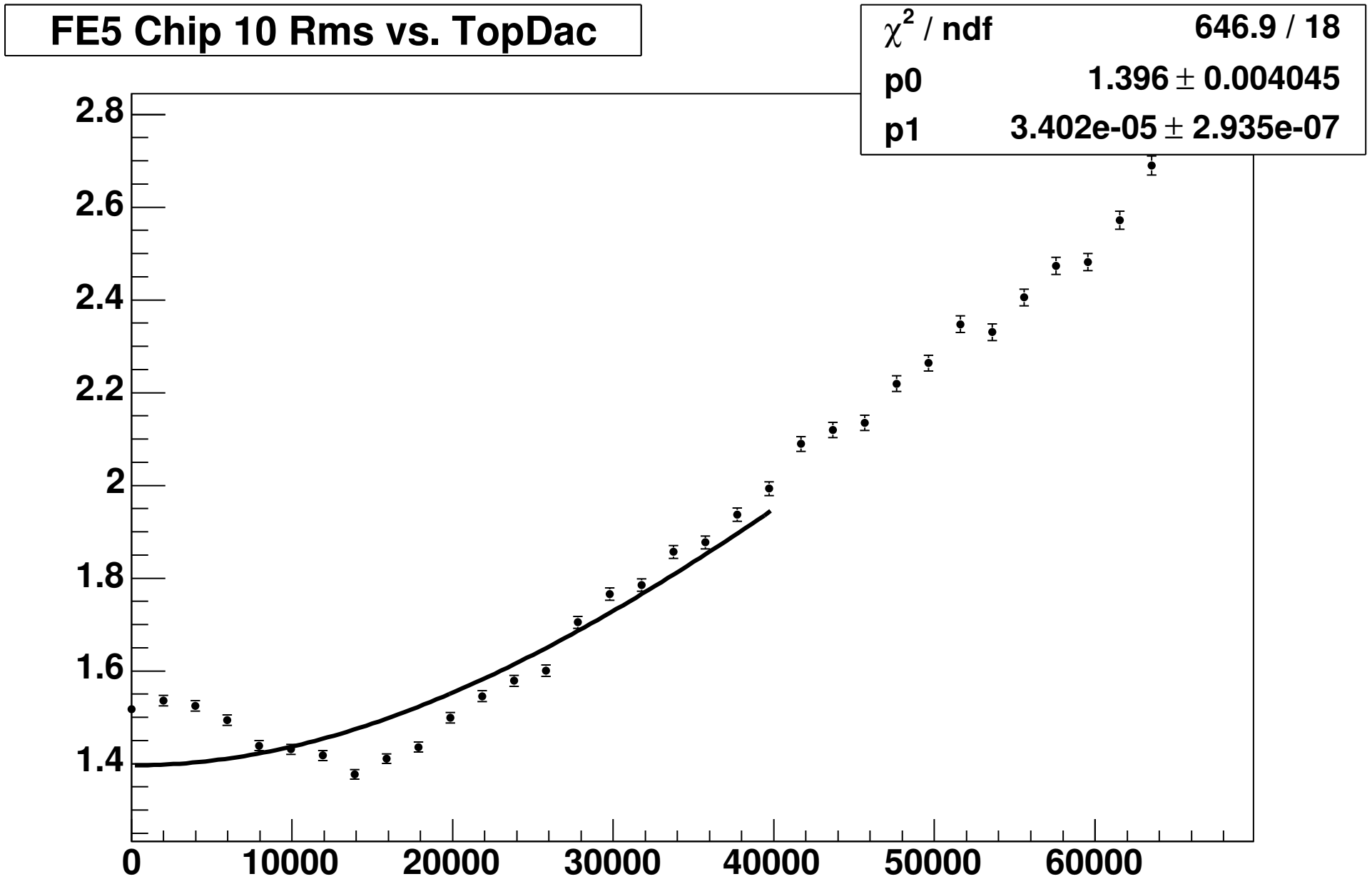
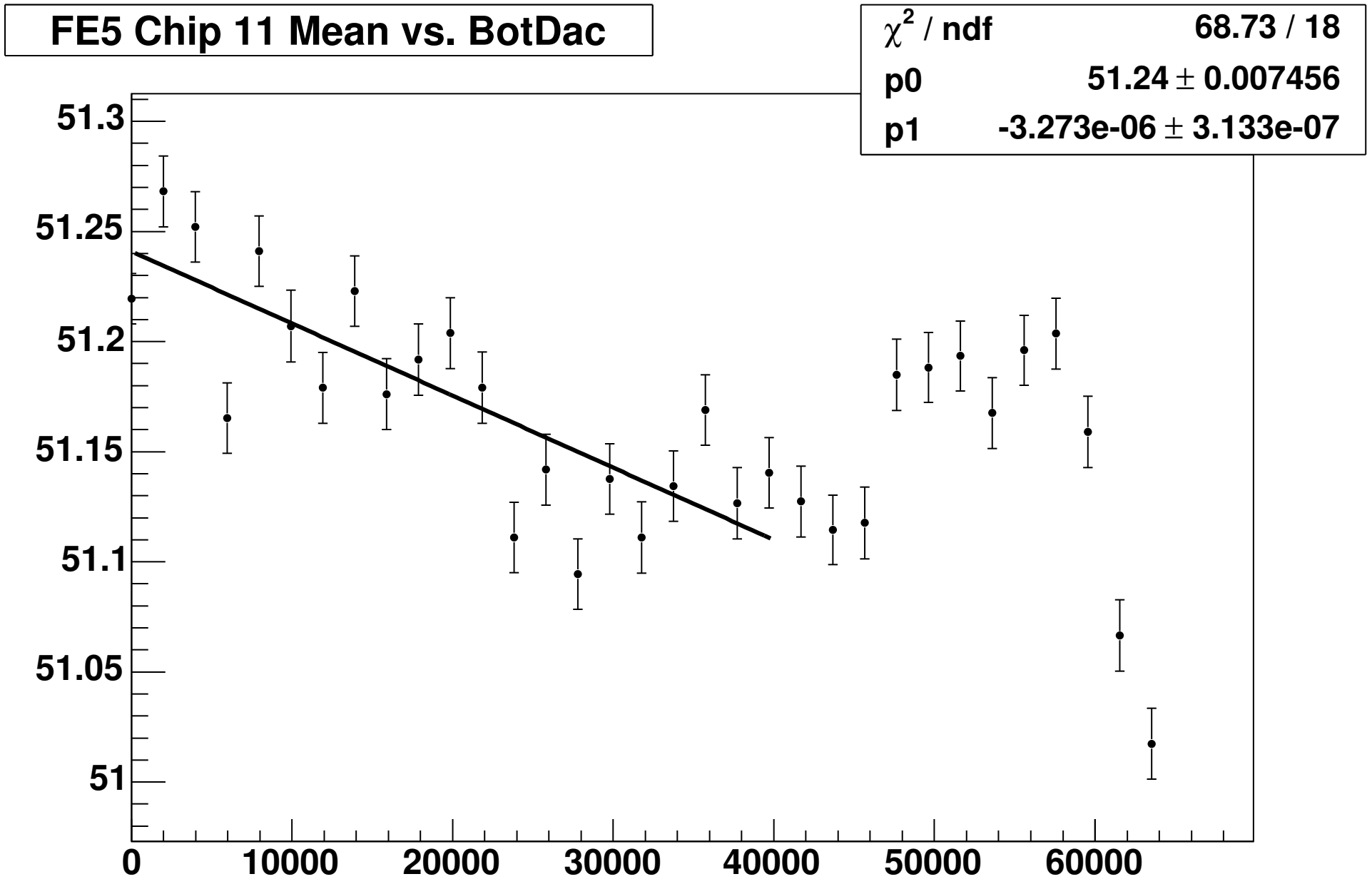
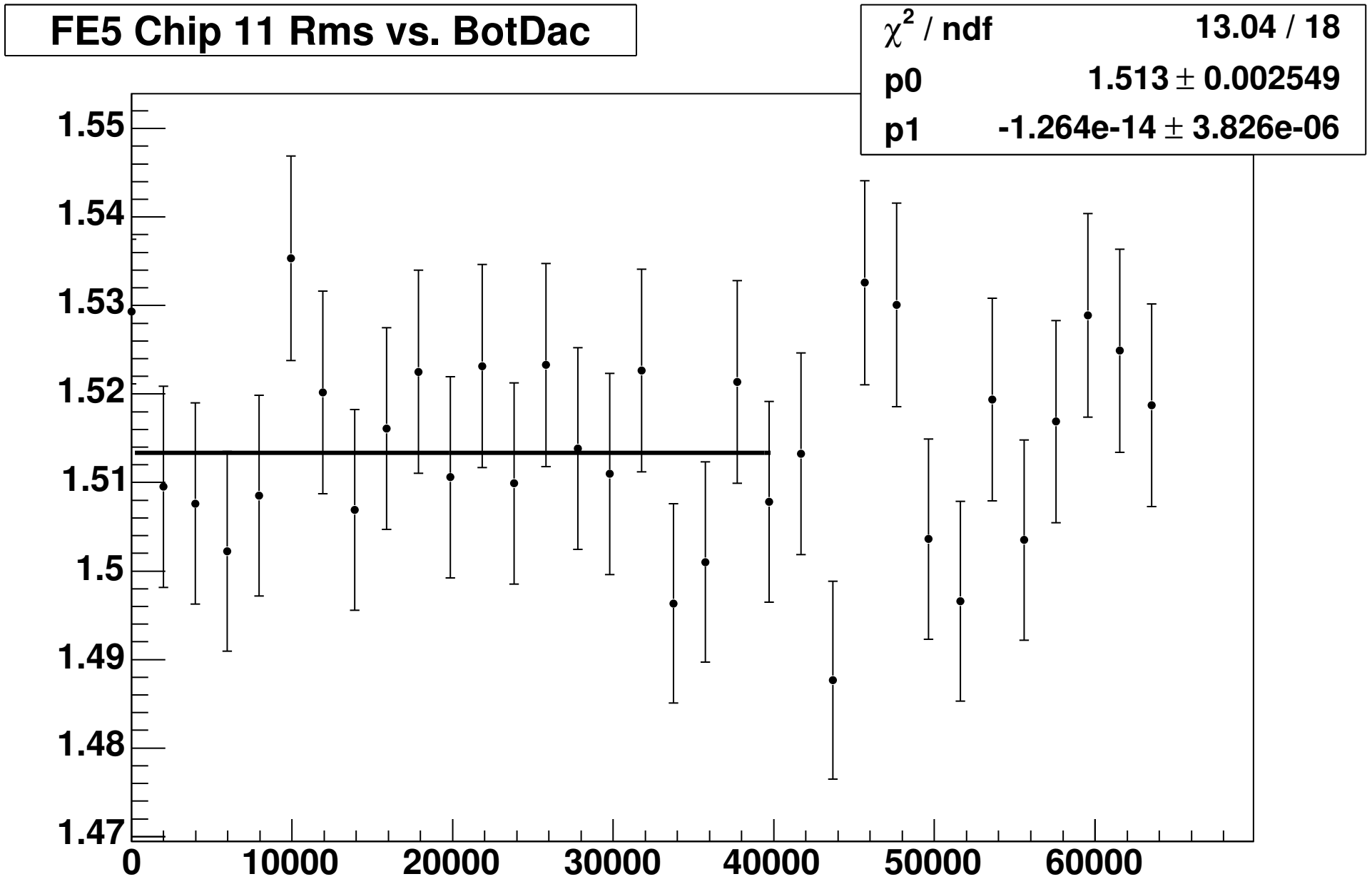
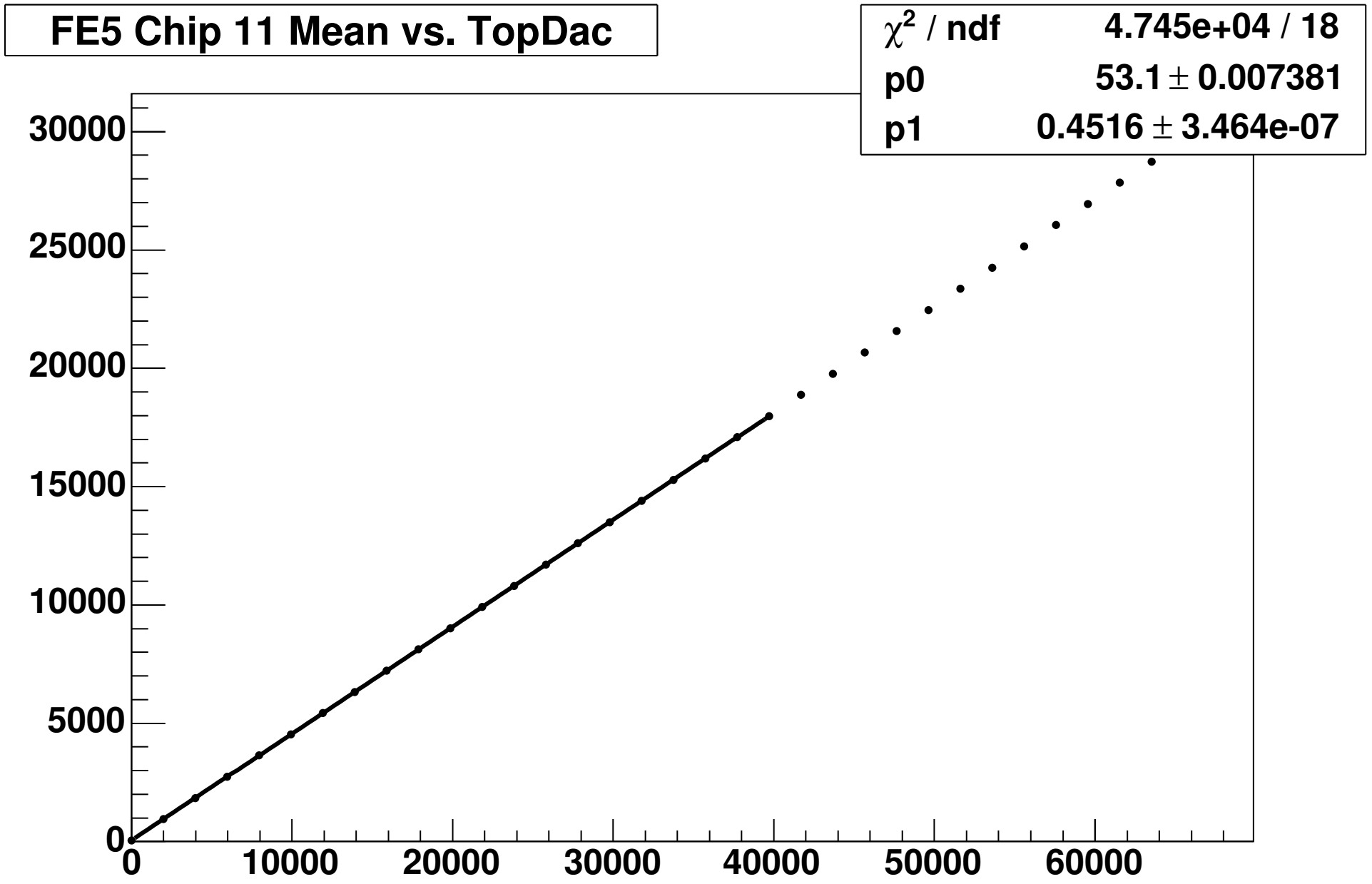
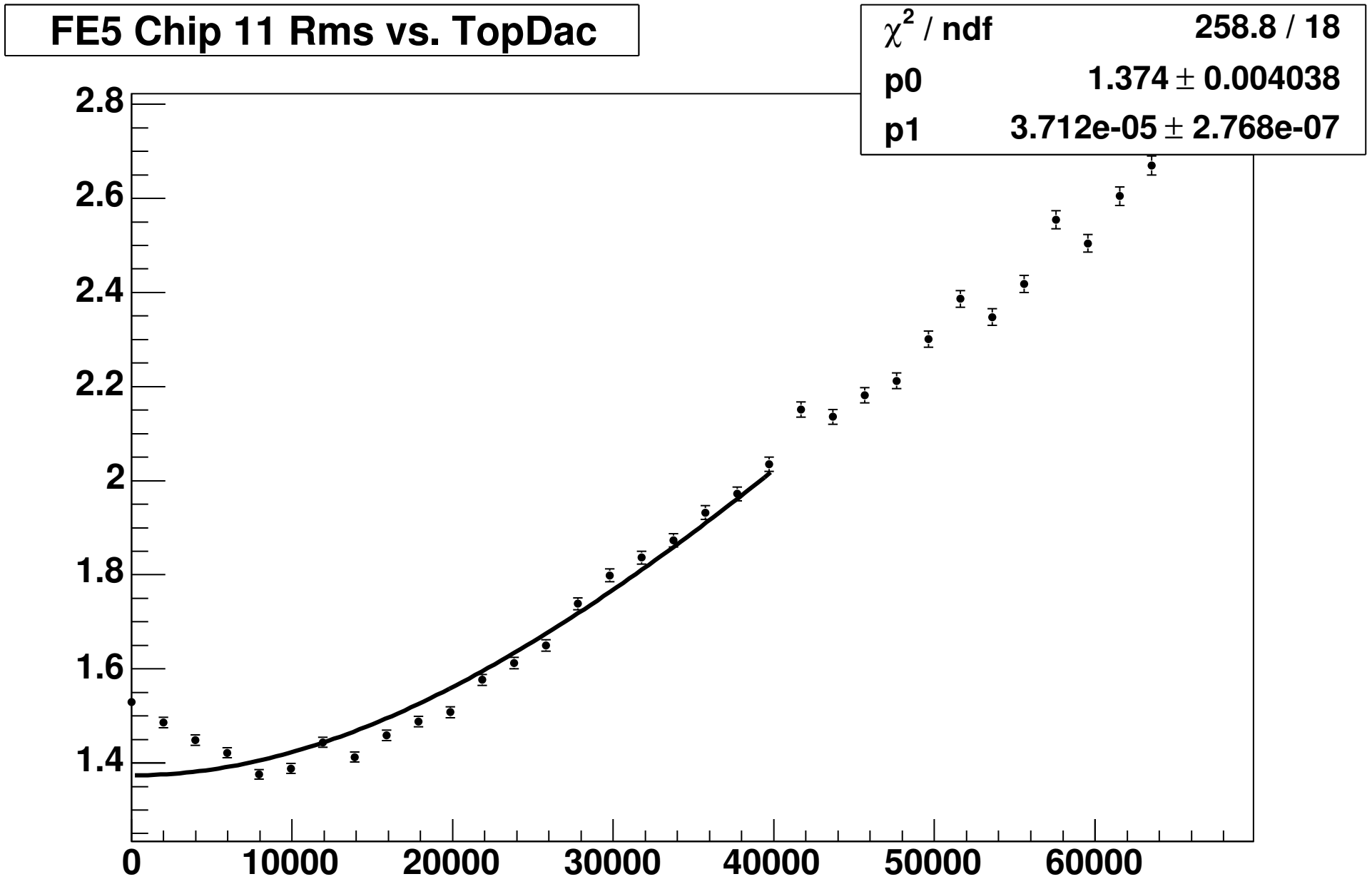
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

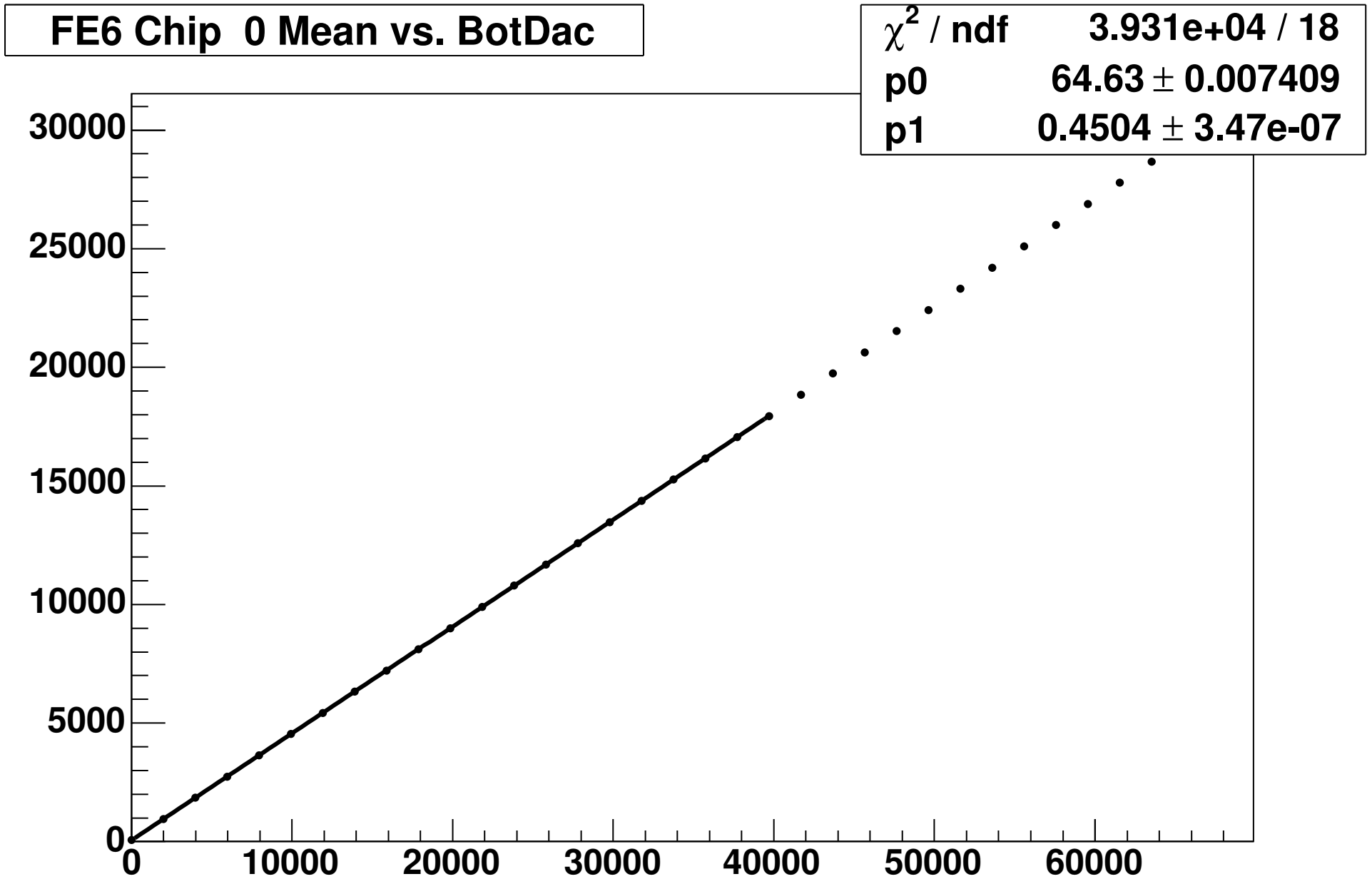

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 646.9 / 18
p0 1.396 ± 0.004045
p1 3.402e-05 ± 2.935e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

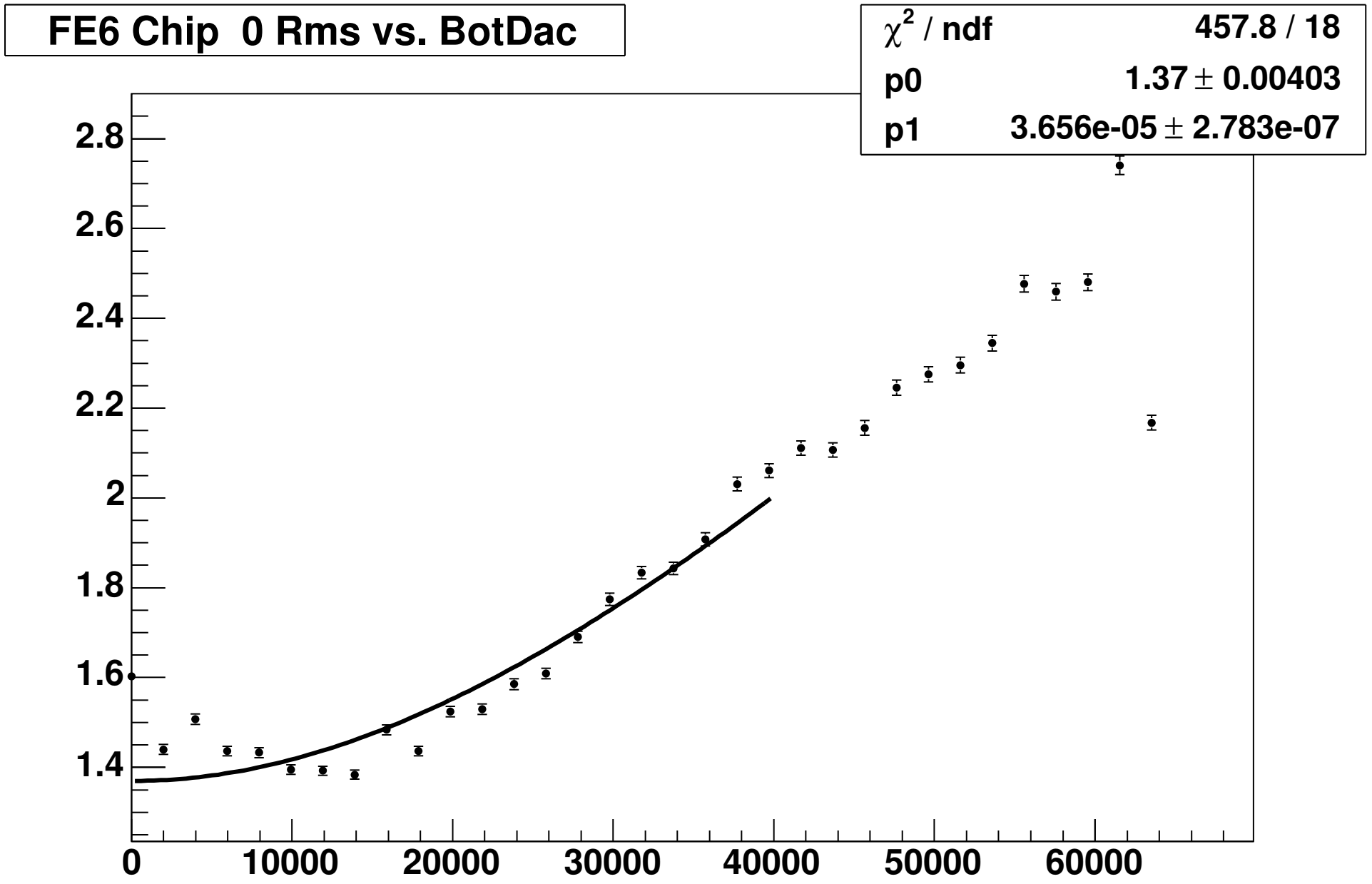

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 68.73 / 18
p0 51.24 ± 0.007456
p1 -3.273e-06 ± 3.133e-07
51.3
51.25
51.2
51.15
51.1
51.05
51
0
10000
20000
30000
40000
50000
60000

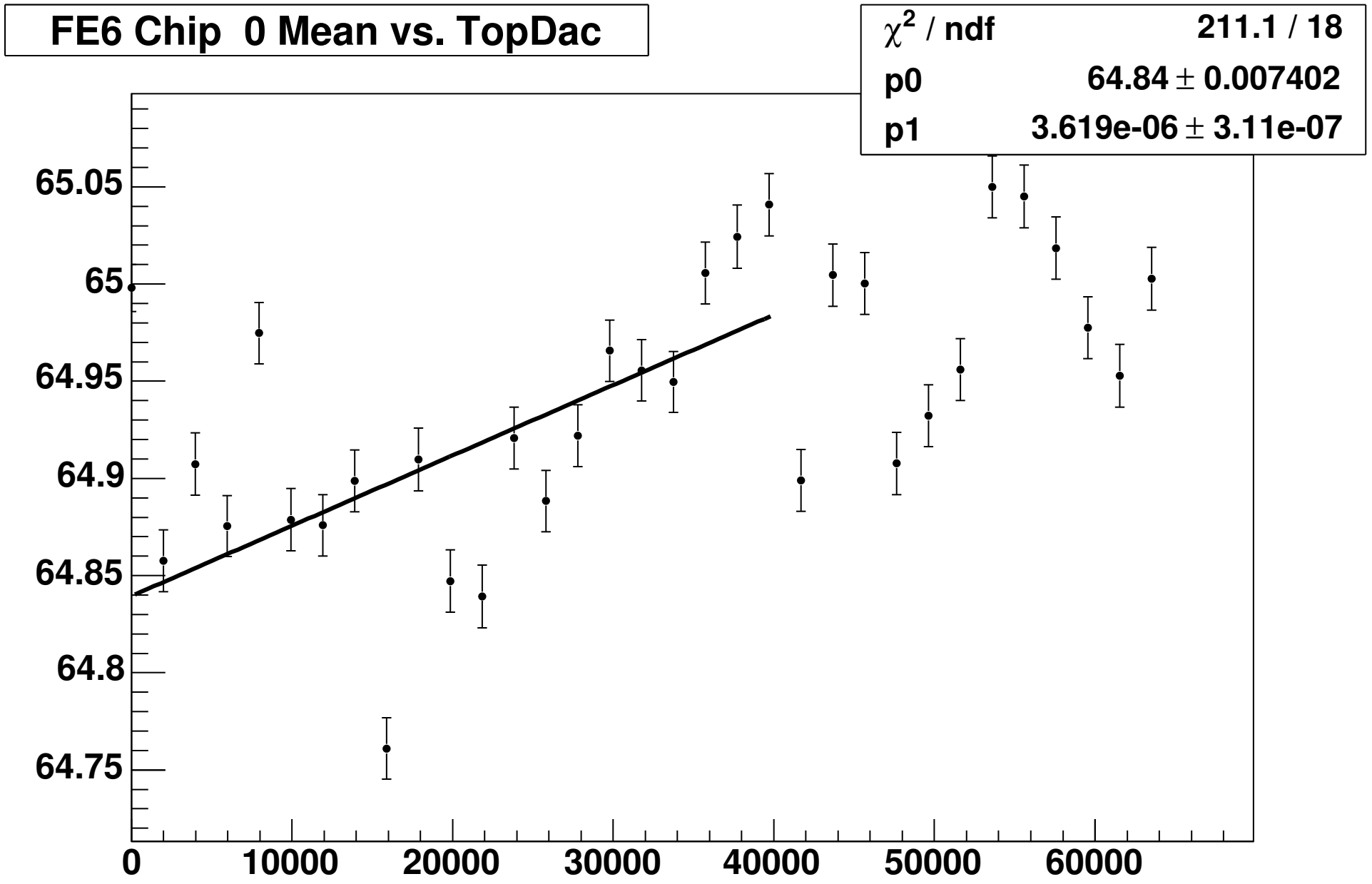

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 13.04 / 18
p0 1.513 ± 0.002549
p1 -1.264e-14 ± 3.826e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

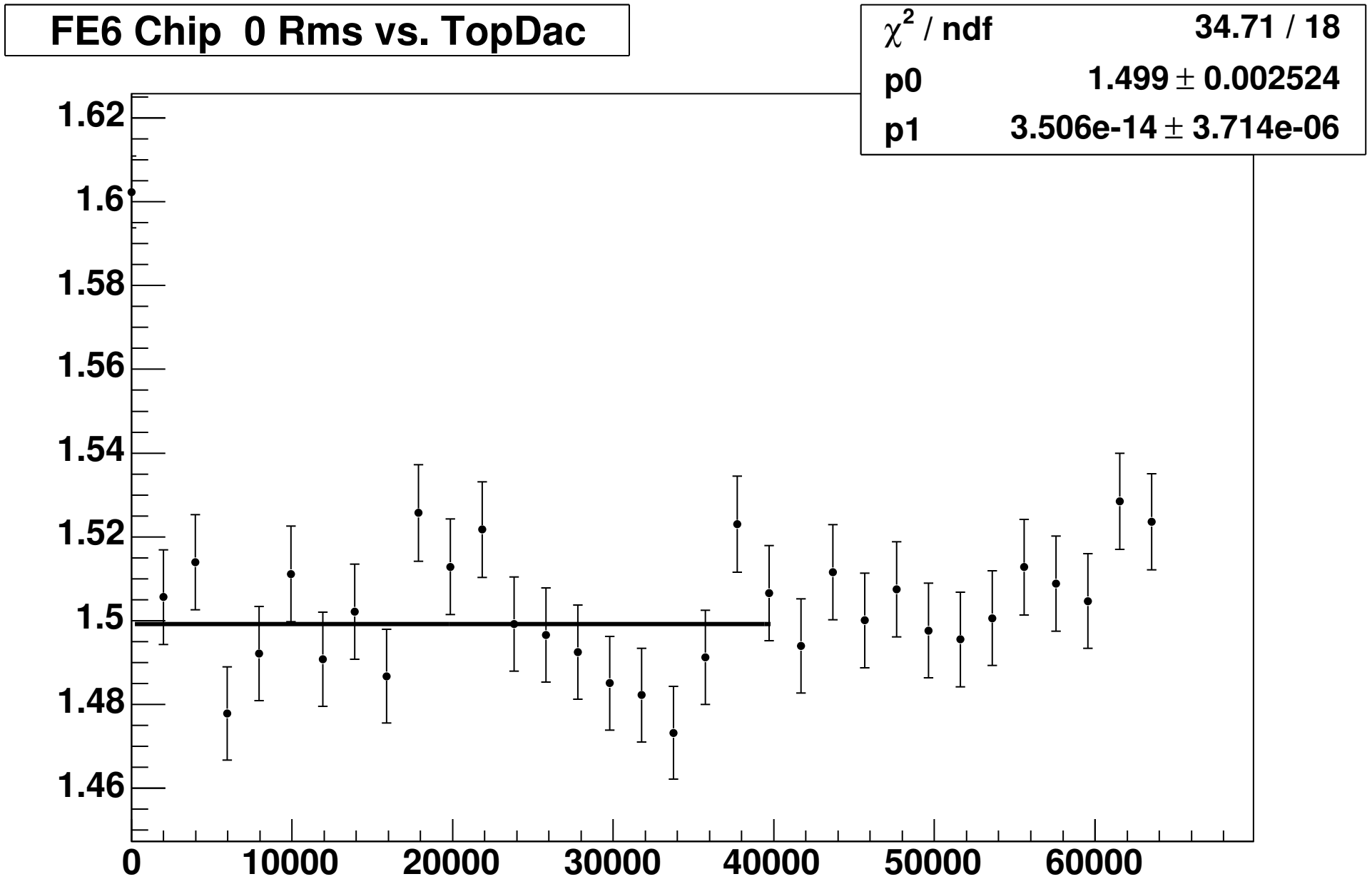

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 4.745e+04 / 18
p0 53.1 ± 0.007381
p1 0.4516 ± 3.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

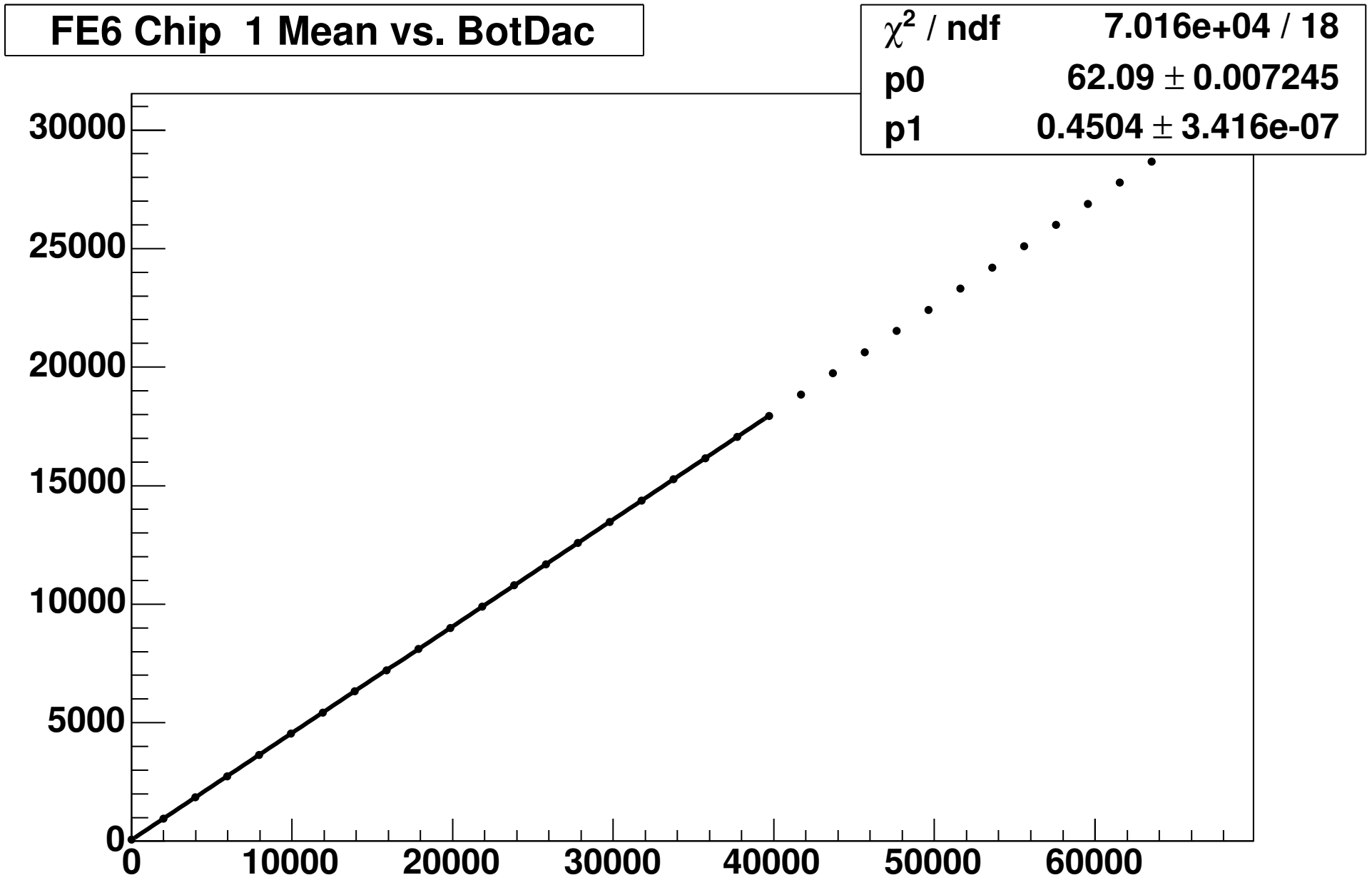

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 258.8 / 18
p0 1.374 ± 0.004038
p1 3.712e-05 ± 2.768e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

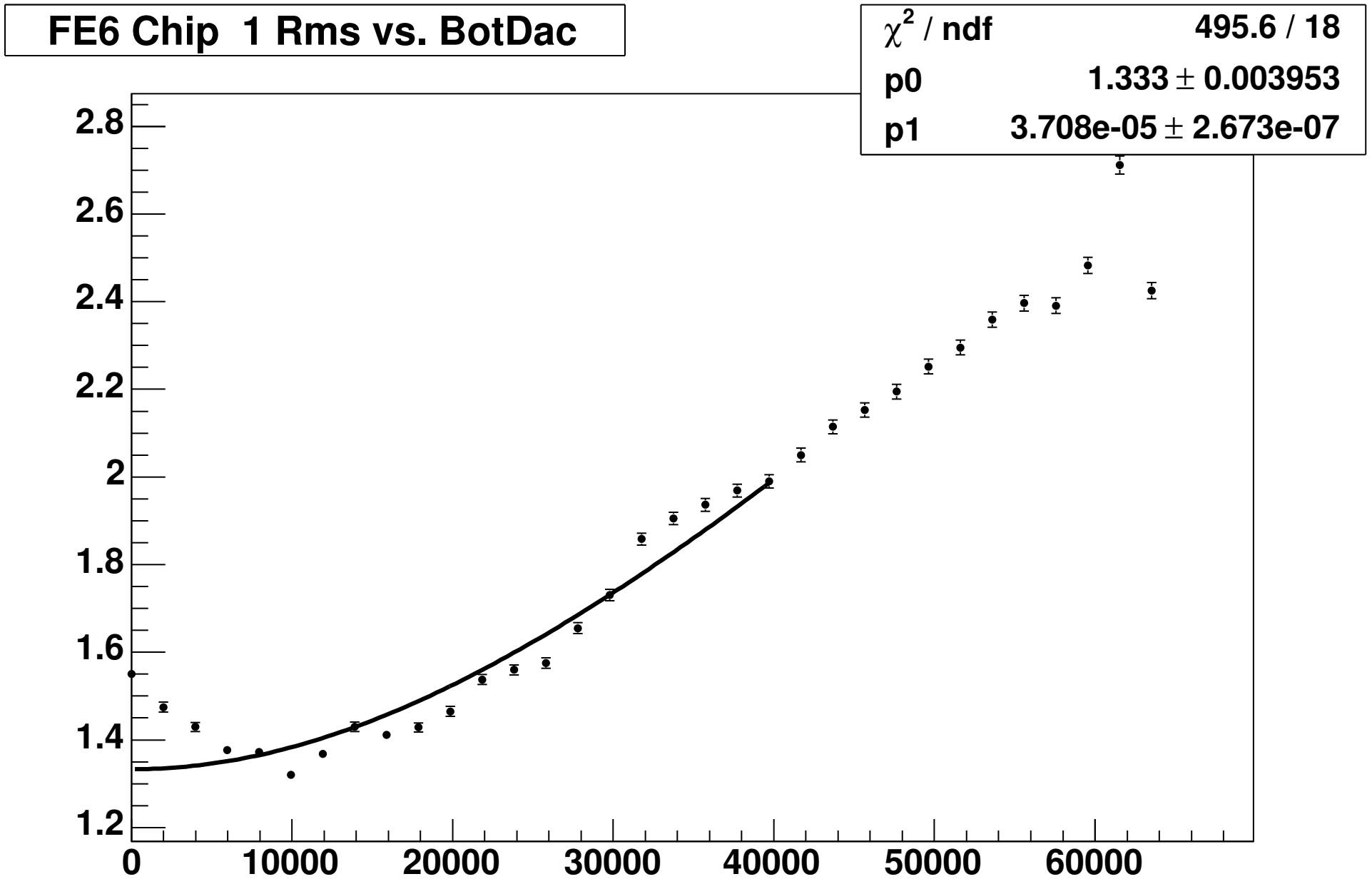

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 3.931e+04 / 18
p0 64.63 ± 0.007409
p1 0.4504 ± 3.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

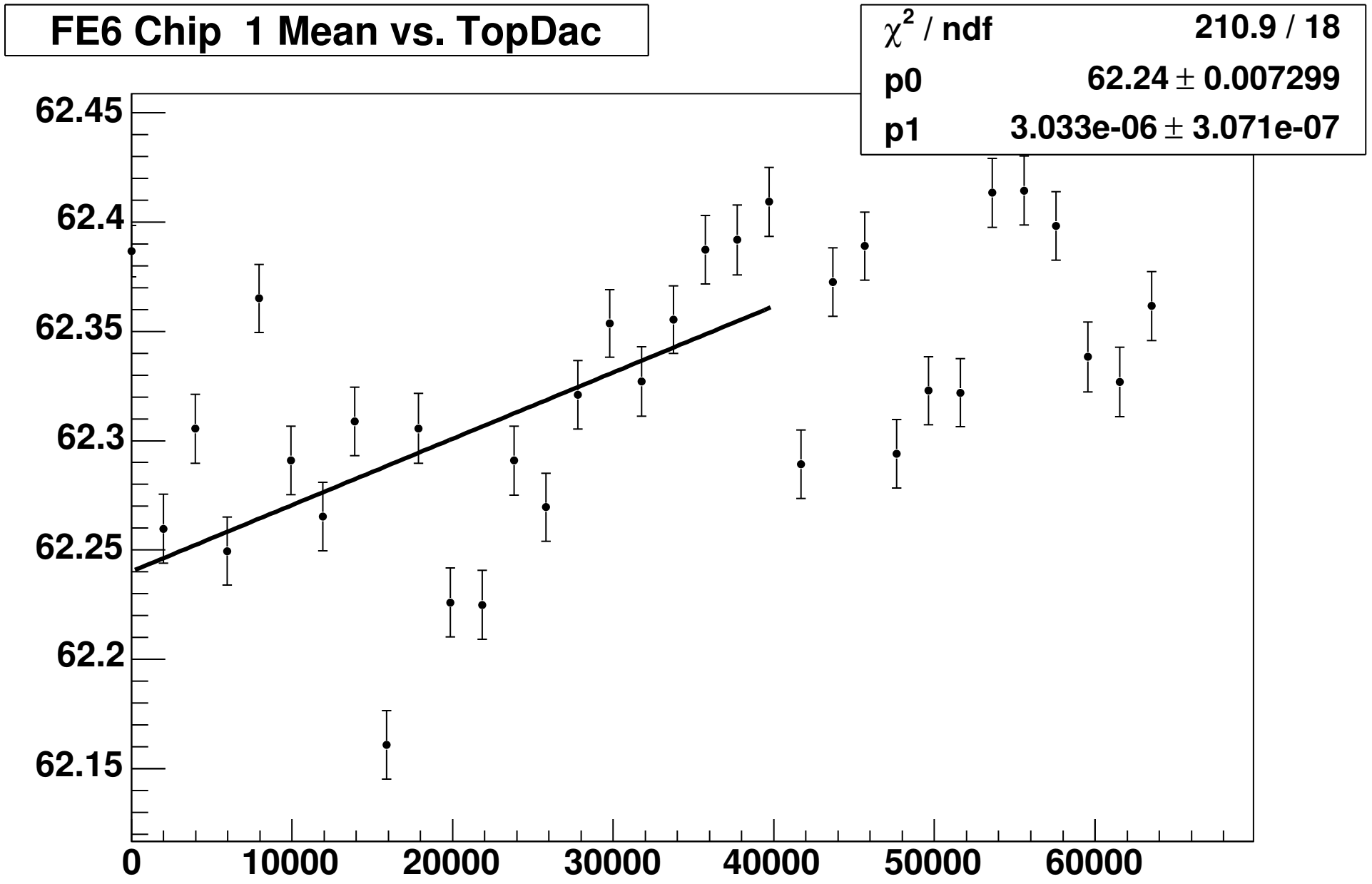

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 457.8 / 18
p0 1.37 ± 0.00403
p1 3.656e-05 ± 2.783e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

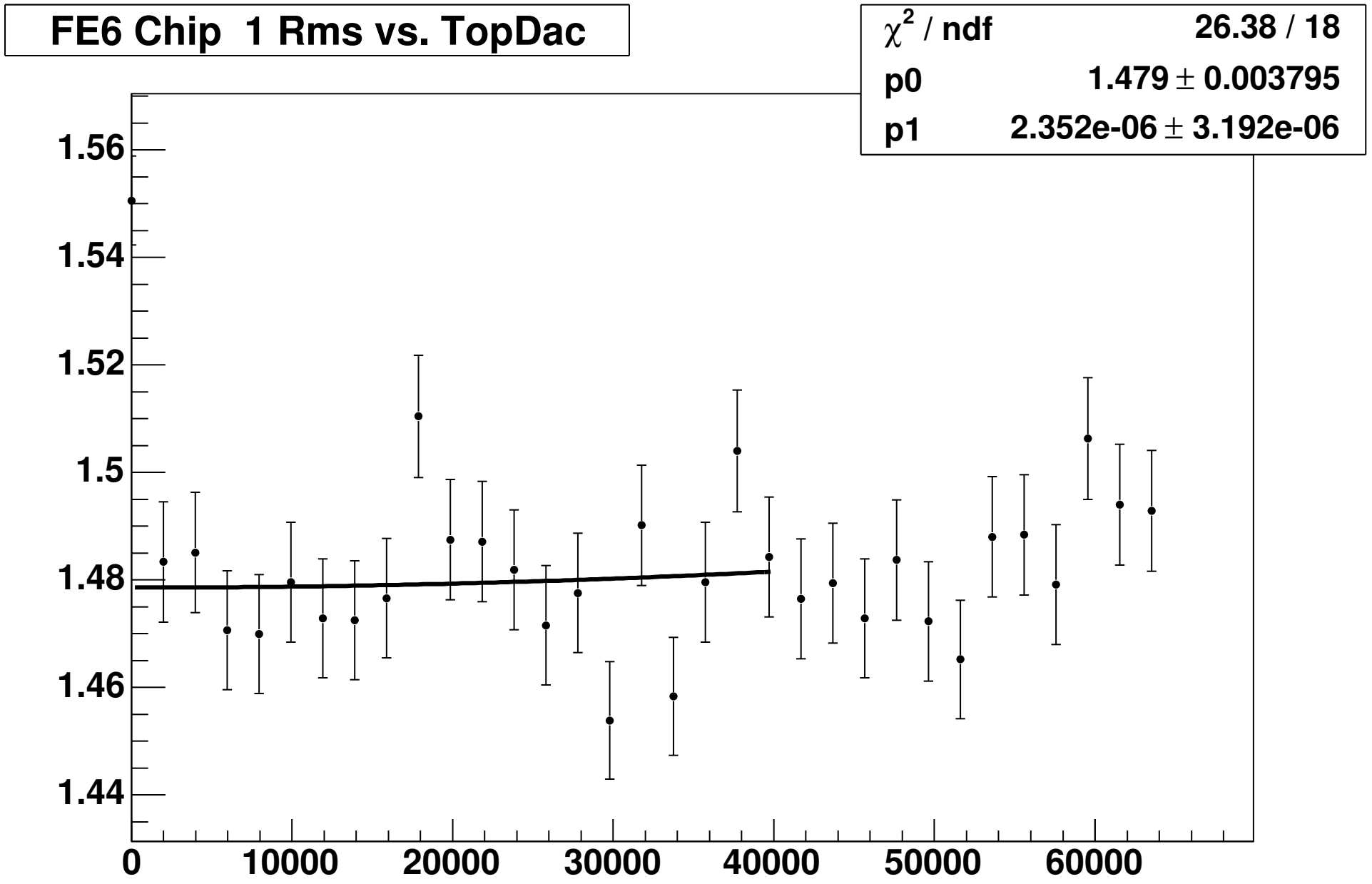

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 211.1 / 18
p0 64.84 ± 0.007402
p1 3.619e-06 ± 3.11e-07
65.05
65
64.95
64.9
64.85
64.8
64.75
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 34.71 / 18
p0 1.499 ± 0.002524
p1 3.506e-14 ± 3.714e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 7.016e+04 / 18
p0 62.09 ± 0.007245
p1 0.4504 ± 3.416e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 495.6 / 18
p0 1.333 ± 0.003953
p1 3.708e-05 ± 2.673e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 210.9 / 18
p0 62.24 ± 0.007299
p1 3.033e-06 ± 3.071e-07
62.45
62.4
62.35
62.3
62.25
62.2
62.15
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 26.38 / 18
p0 1.479 ± 0.003795
p1 2.352e-06 ± 3.192e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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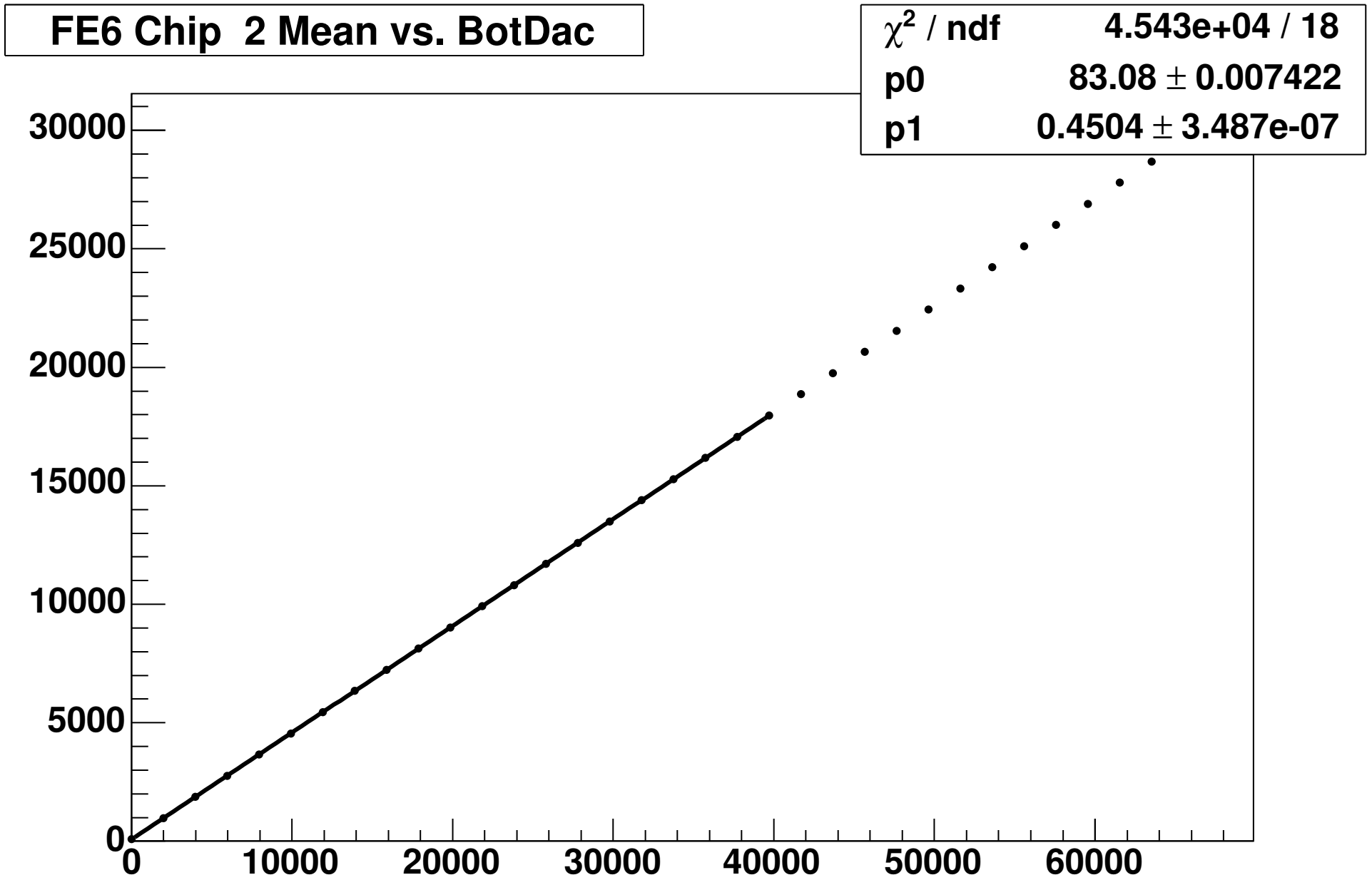
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 4.543e+04 / 18
p0 83.08 ± 0.007422
p1 0.4504 ± 3.487e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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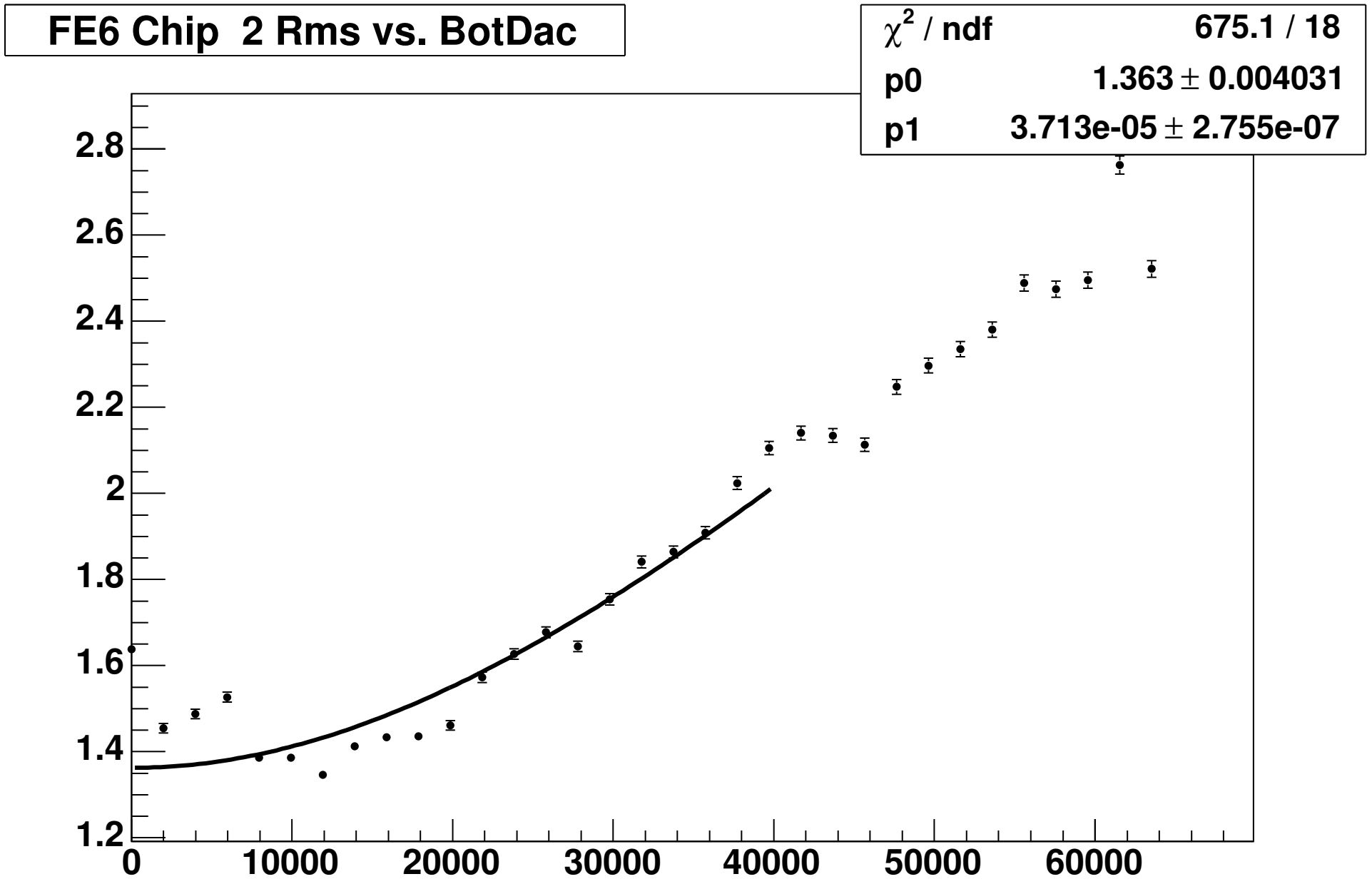
FE6 Chip 2 Rms vs. BotDac
χ² / ndf 675.1 / 18
p0 1.363 ± 0.004031
p1 3.713e-05 ± 2.755e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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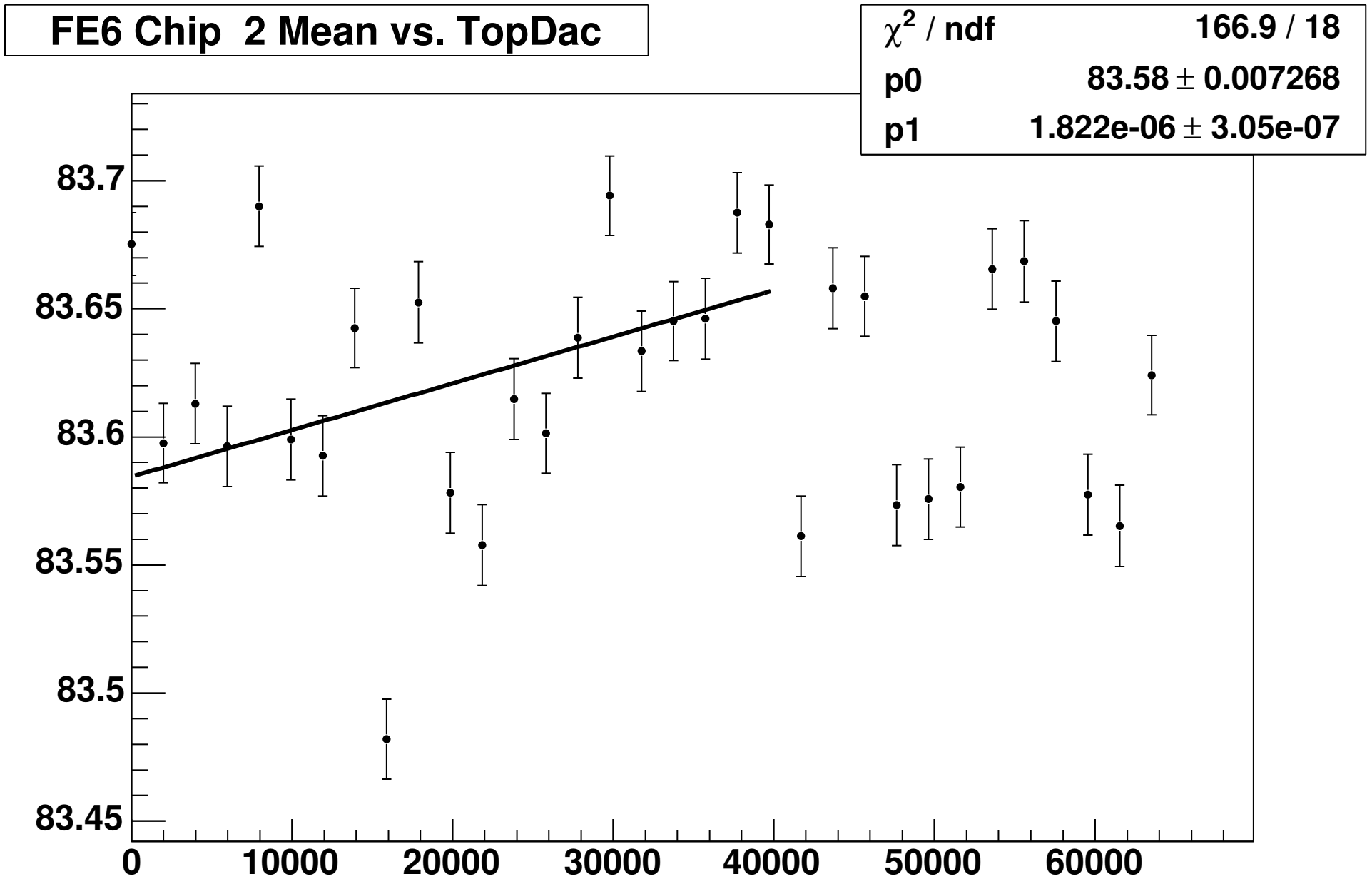
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 166.9 / 18
p0 83.58 ± 0.007268
p1 1.822e-06 ± 3.05e-07
83.7
83.65
83.6
83.55
83.5
83.45
0
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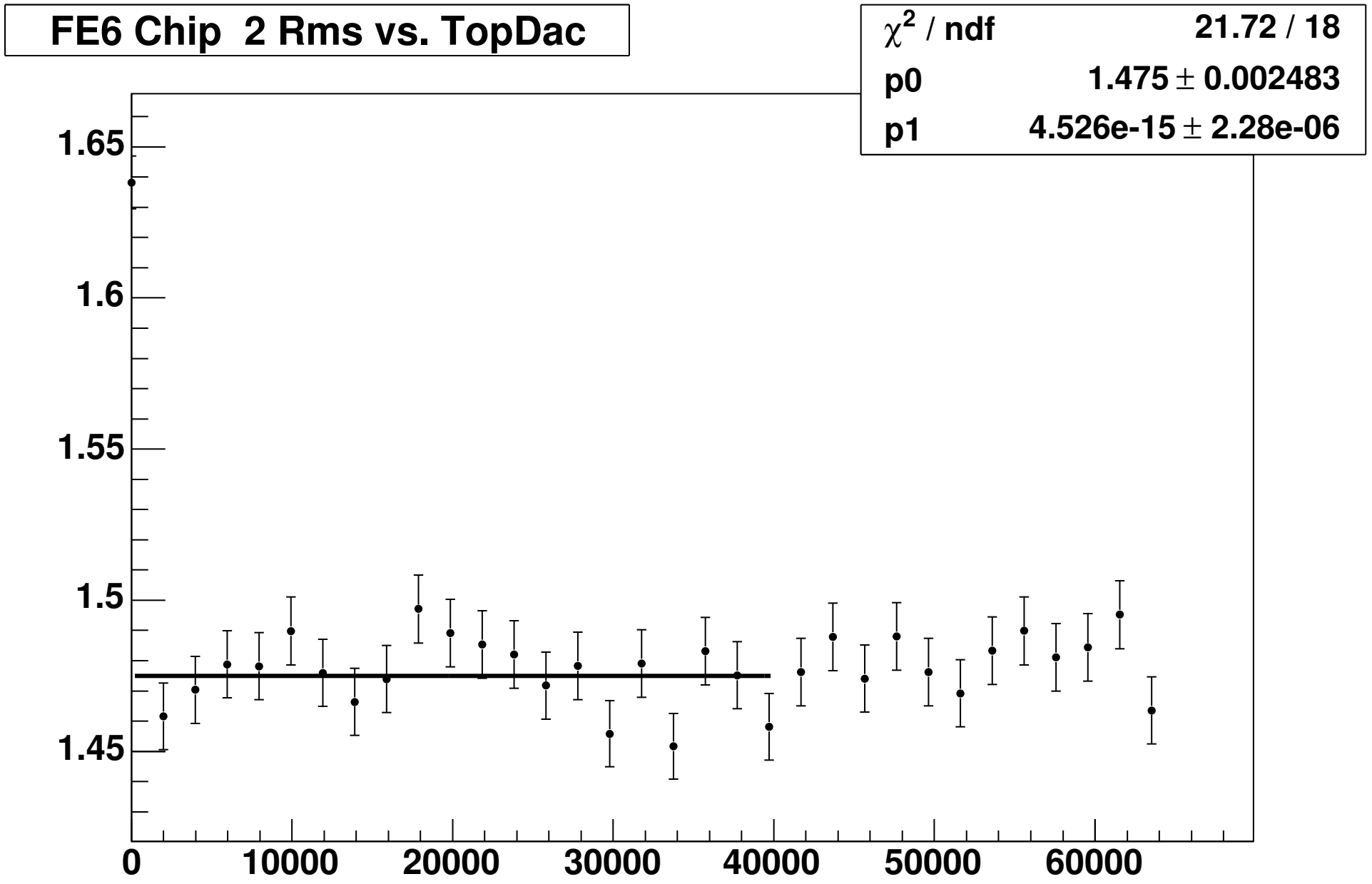
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 21.72 / 18
p0 1.475 ± 0.002483
p1 4.526e-15 ± 2.28e-06
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1.6
1.55
1.5
1.45
0
10000
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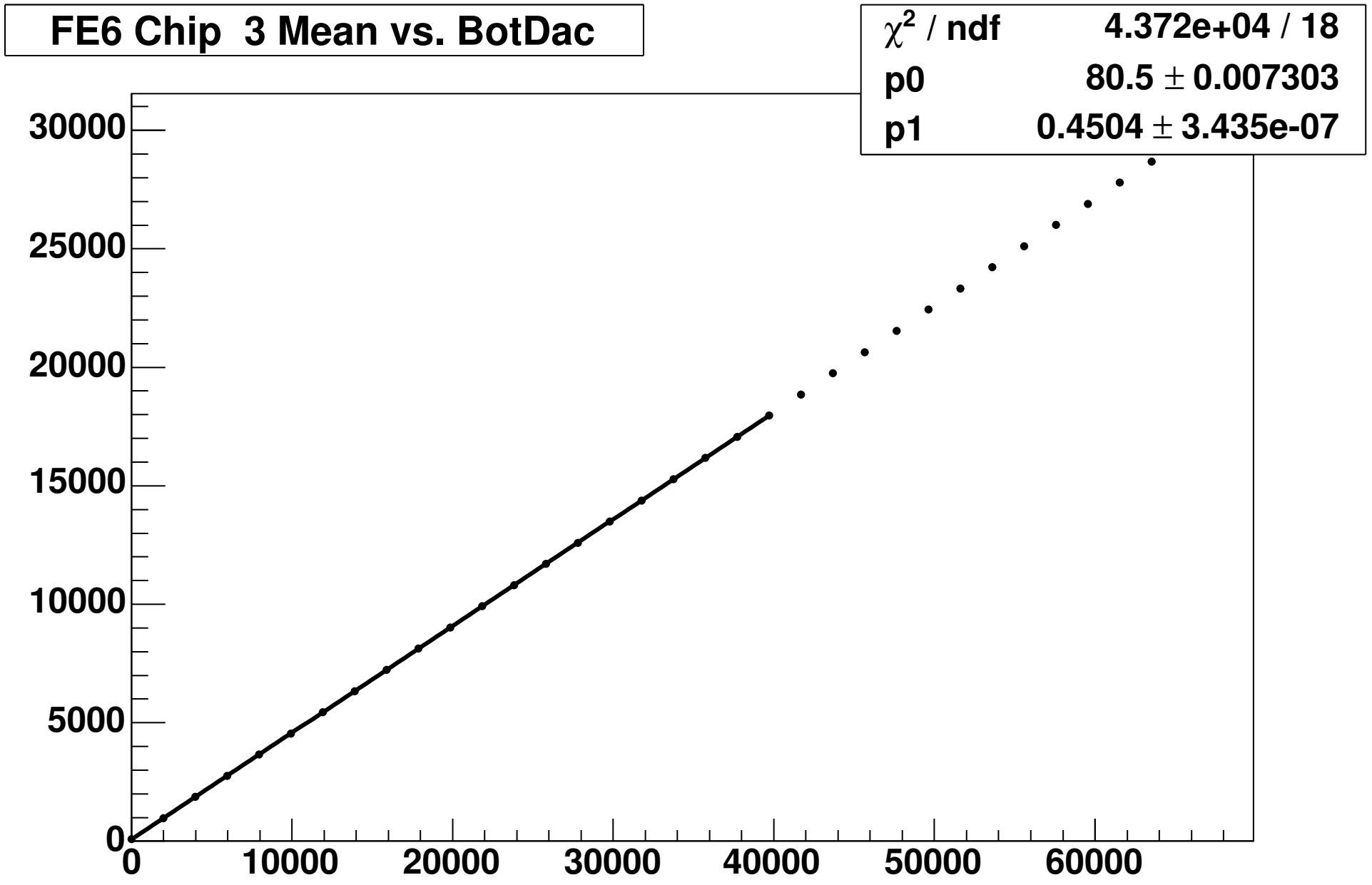
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 4.372e+04 / 18
p0 80.5 ± 0.007303
p1 0.4504 ± 3.435e-07
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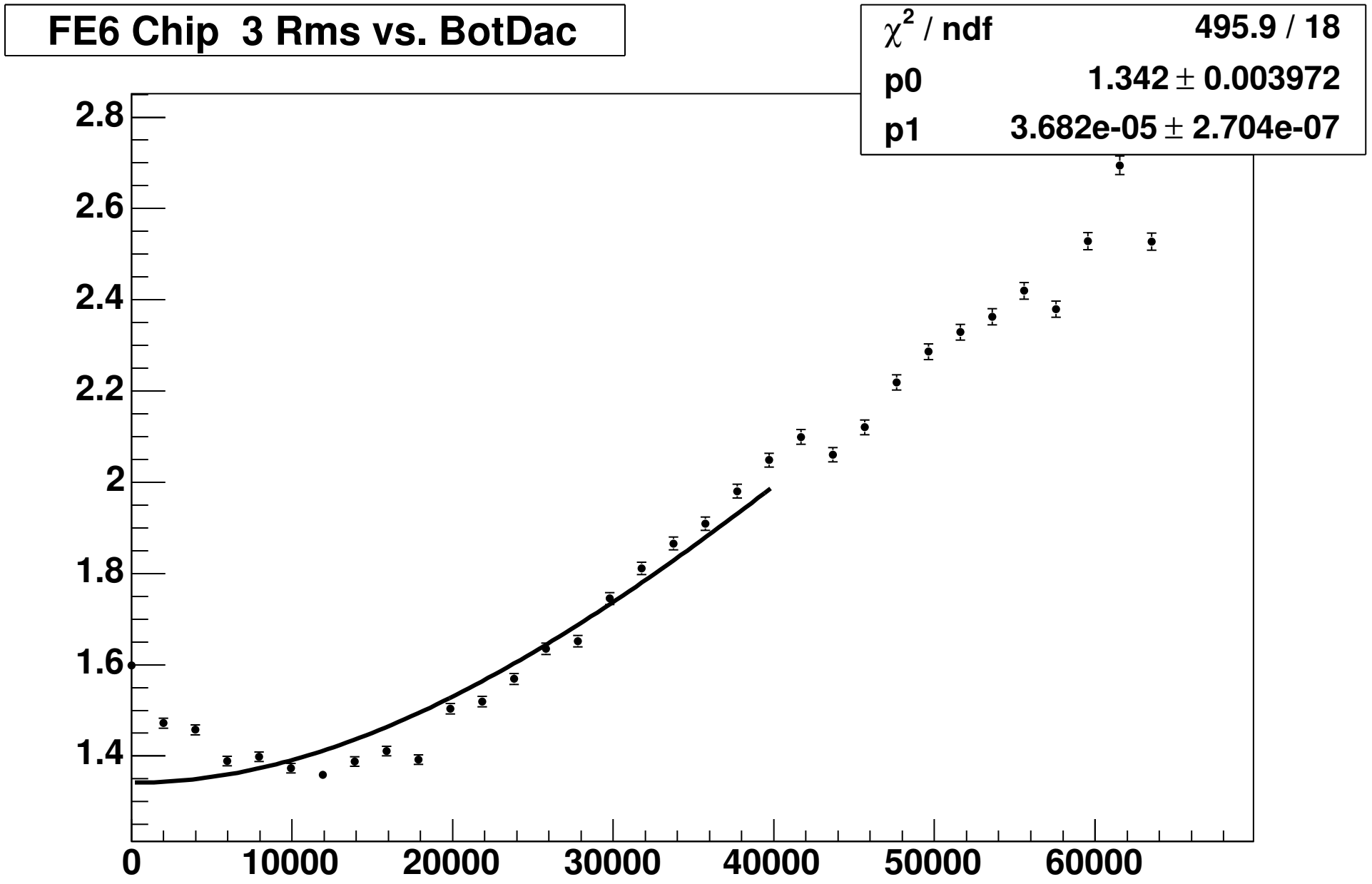
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 495.9 / 18
p0 1.342 ± 0.003972
p1 3.682e-05 ± 2.704e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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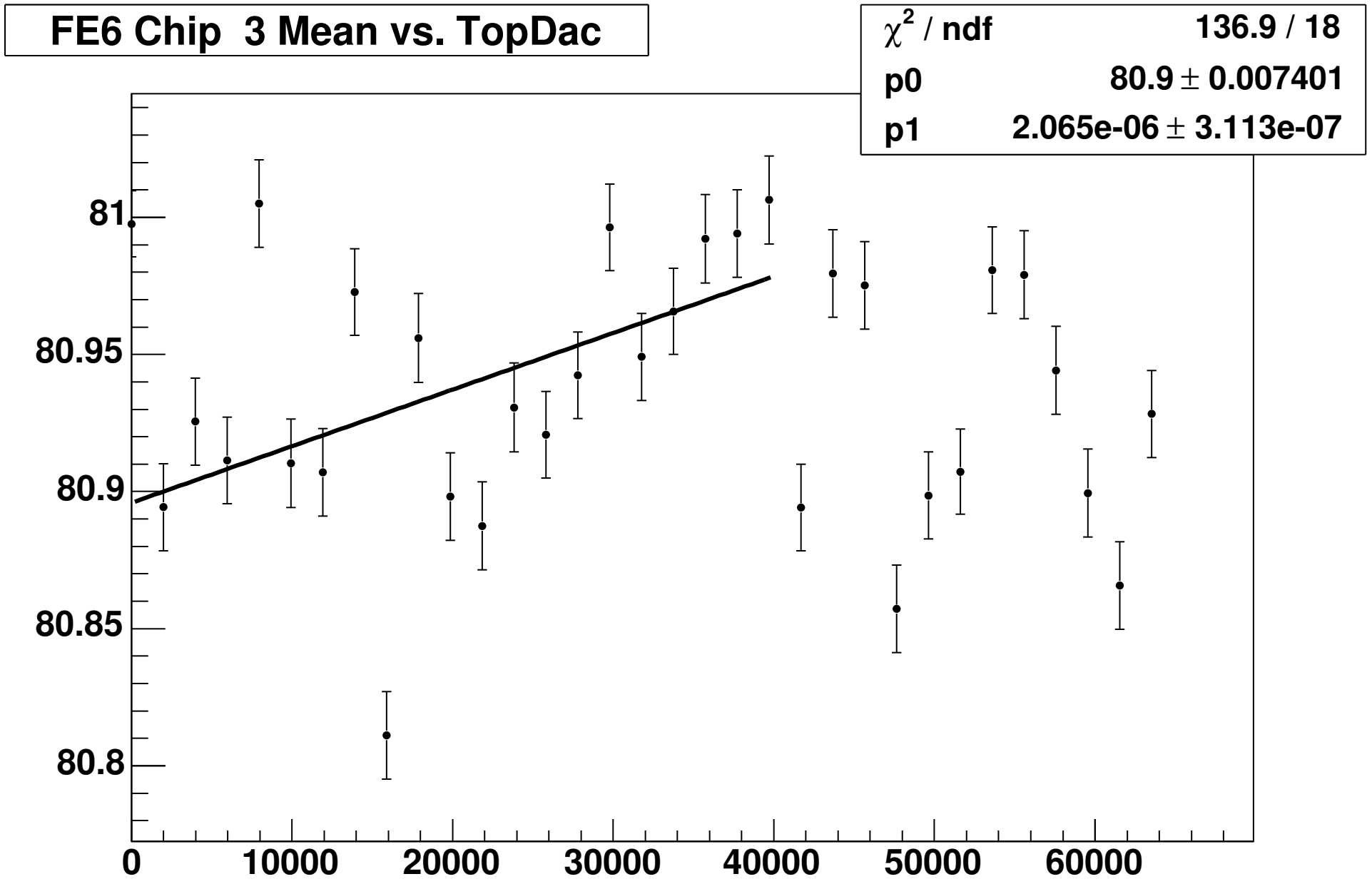
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 136.9 / 18
p0 80.9 ± 0.007401
p1 2.065e-06 ± 3.113e-07
81
80.95
80.9
80.85
80.8
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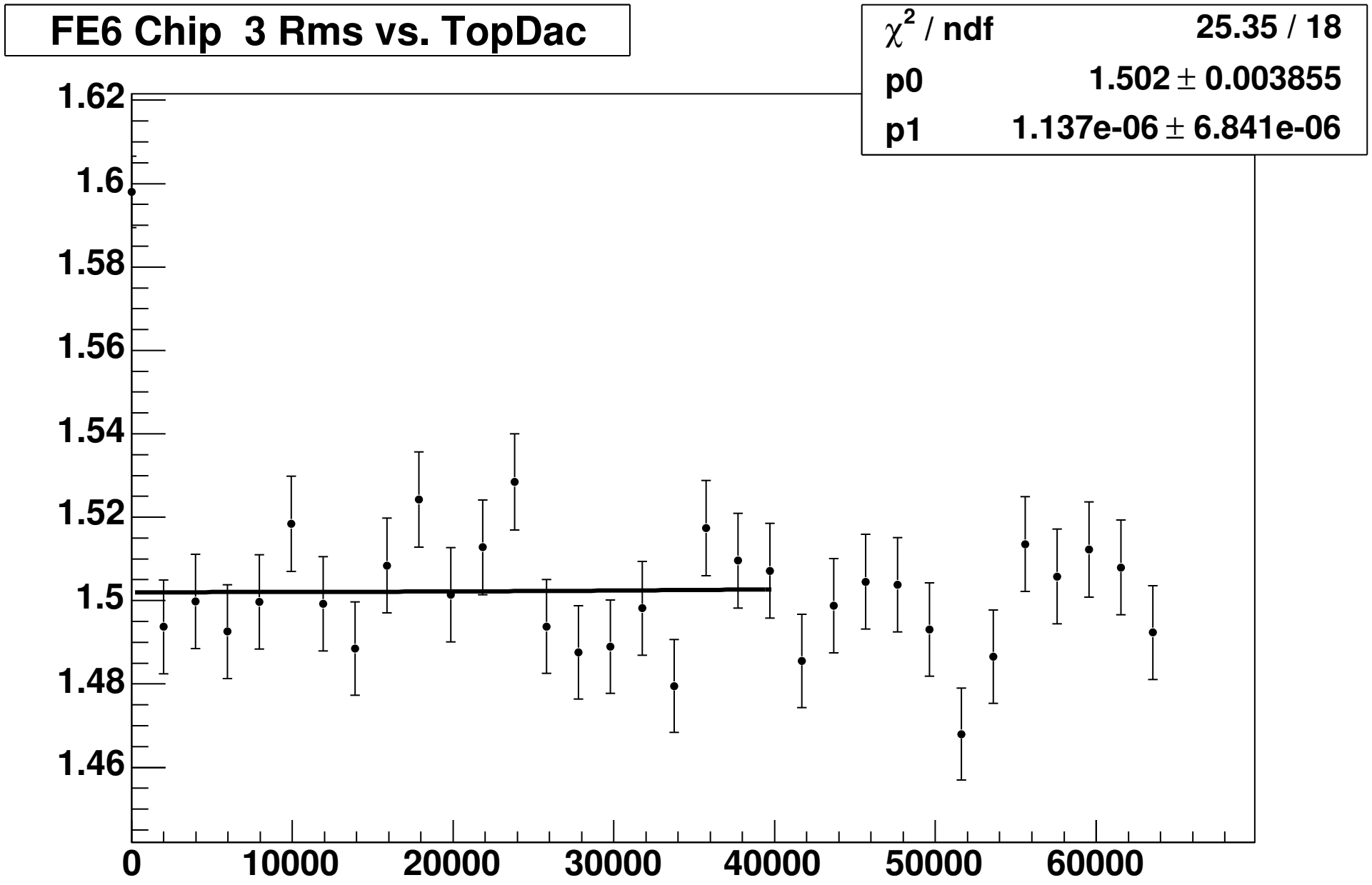
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 25.35 / 18
p0 1.502 ± 0.003855
p1 1.137e-06 ± 6.841e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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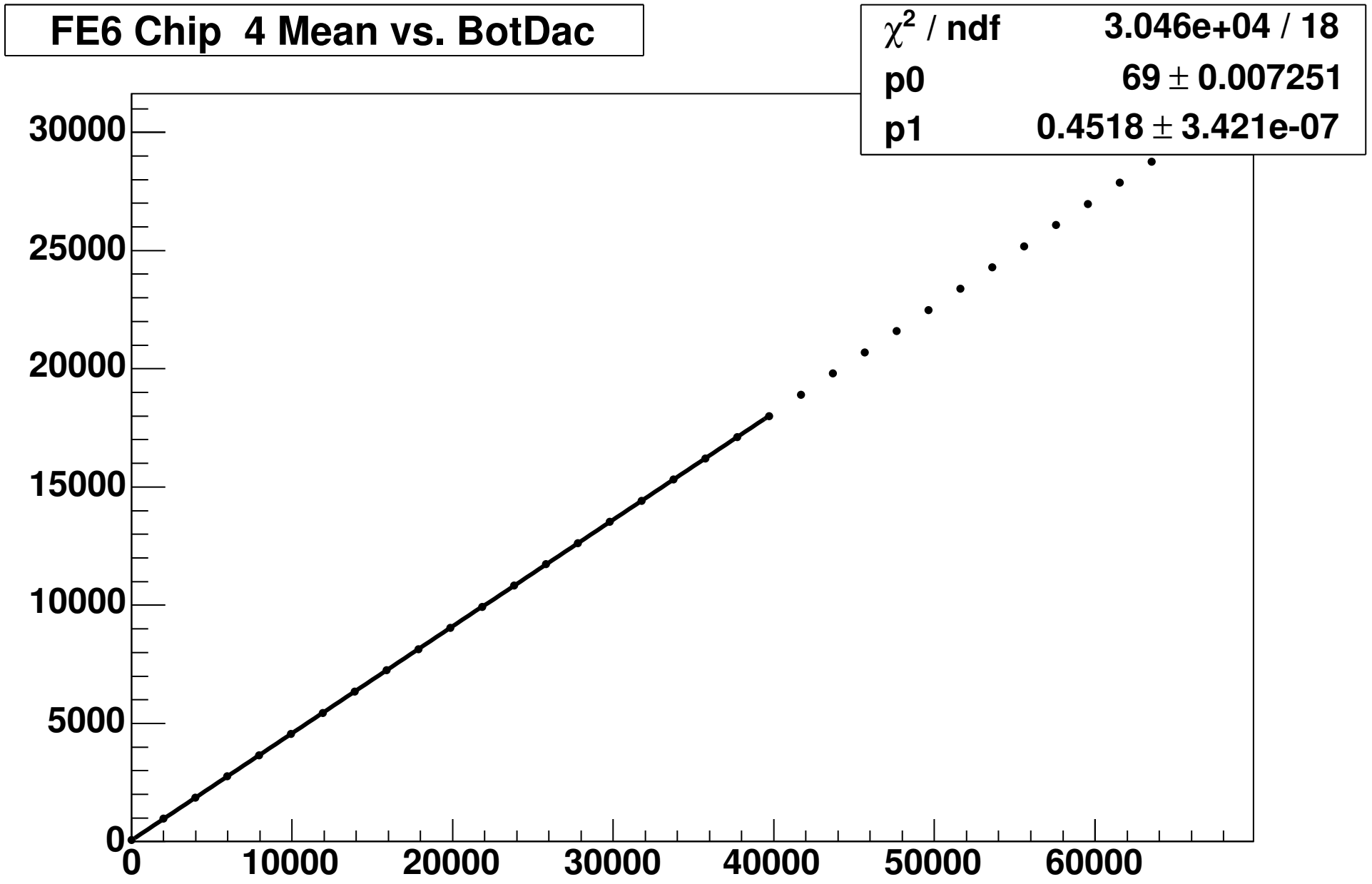
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 3.046e+04 / 18
p0 69 ± 0.007251
p1 0.4518 ± 3.421e-07
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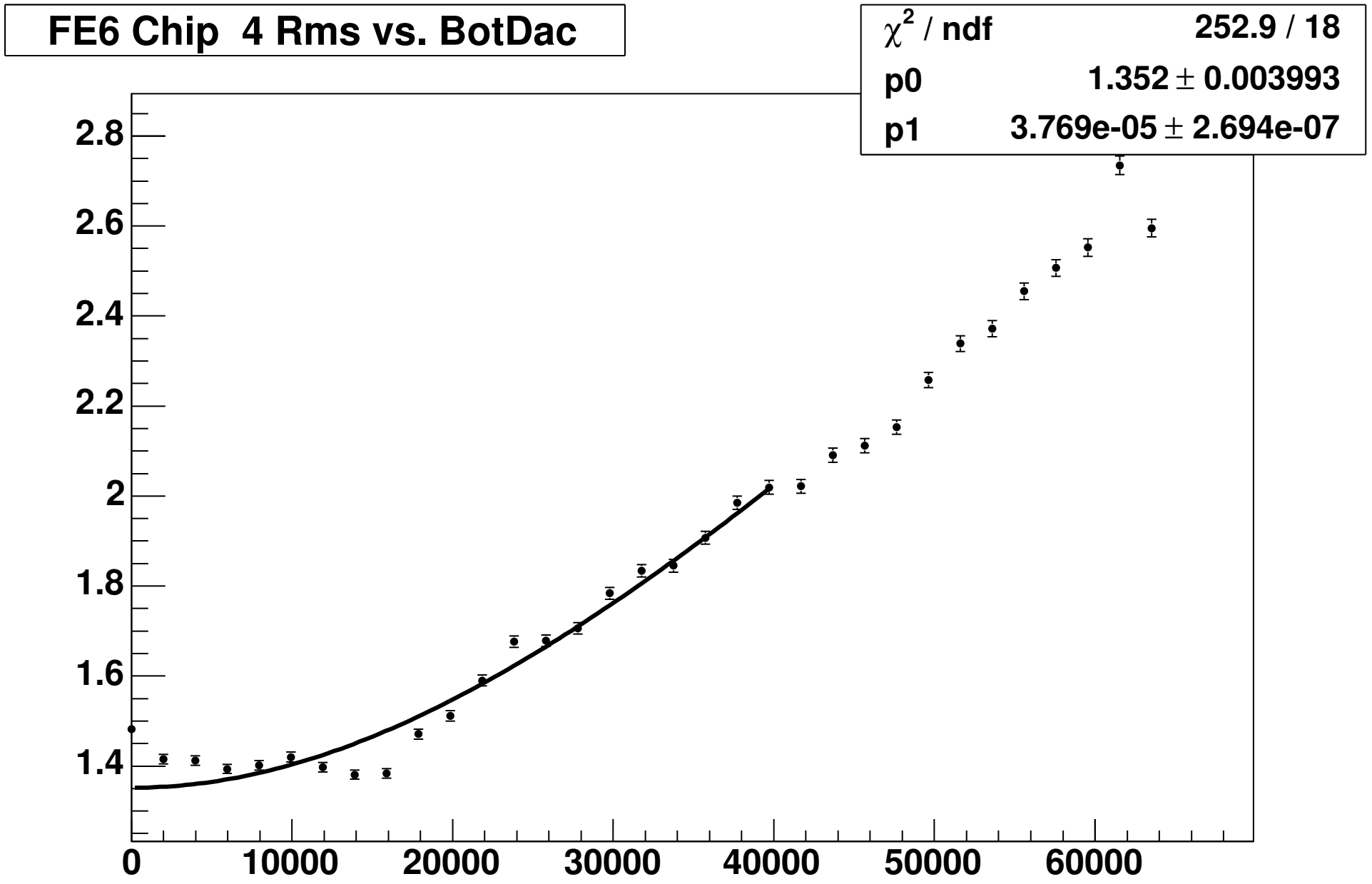
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 252.9 / 18
p0 1.352 ± 0.003993
p1 3.769e-05 ± 2.694e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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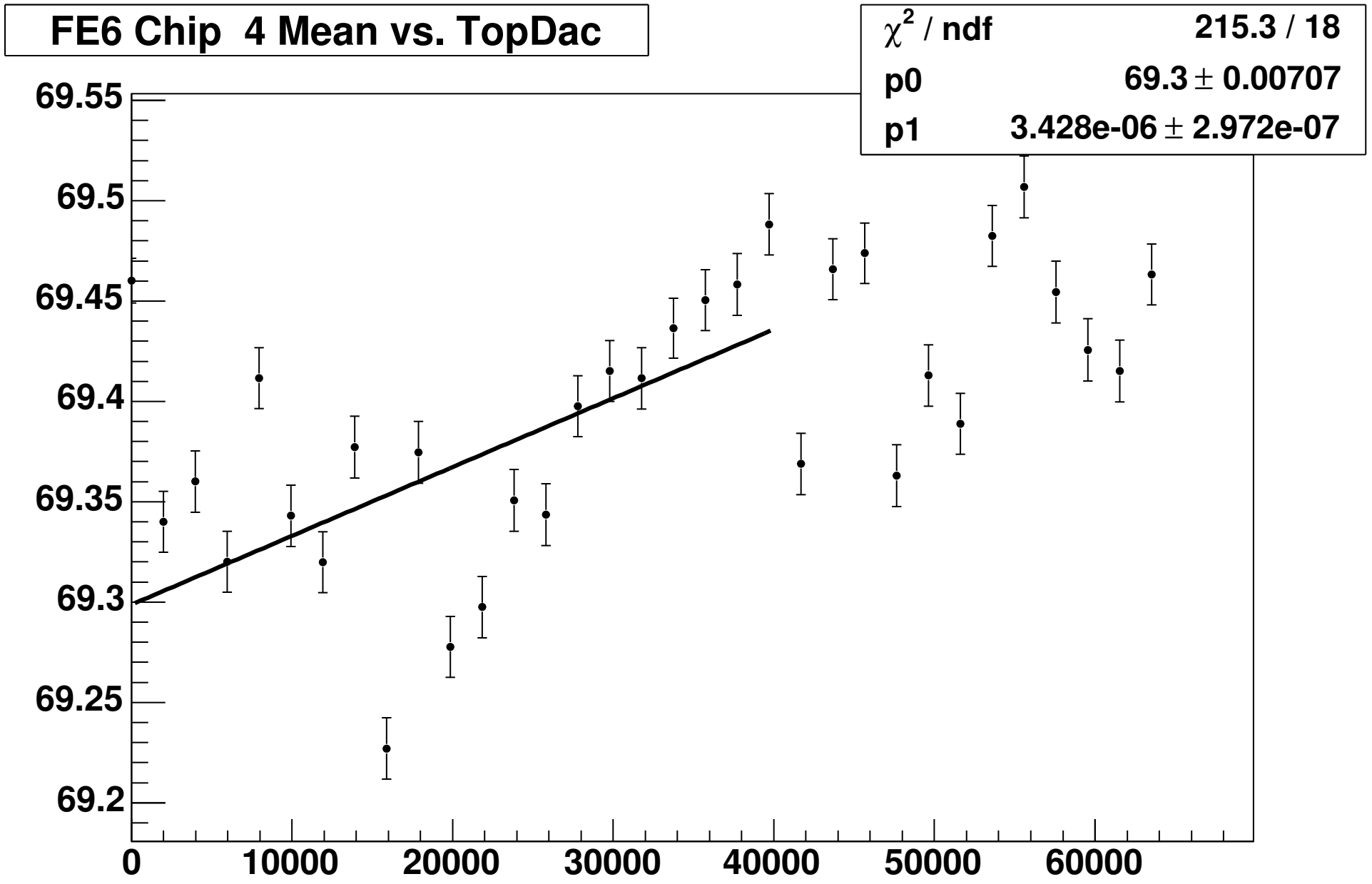
60000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 215.3 / 18
p0 69.3 ± 0.00707
p1 3.428e-06 ± 2.972e-07
69.55
69.5
69.45
69.4
69.35
69.3
69.25
69.2
0
10000
20000
30000
40000
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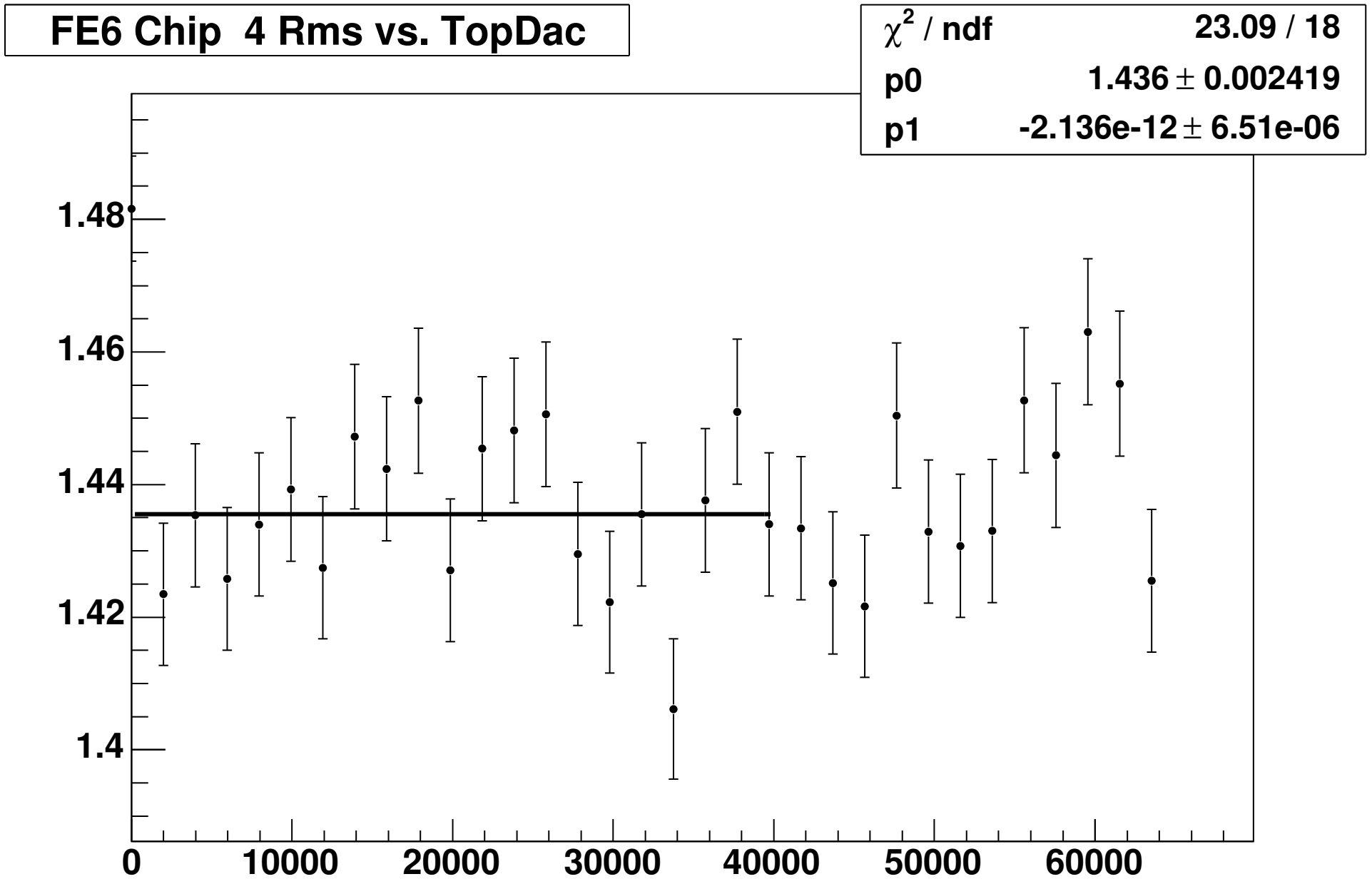
60000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 23.09 / 18
p0 1.436 ± 0.002419
p1 -2.136e-12 ± 6.51e-06
1.48
1.46
1.44
1.42
1.4
0
10000
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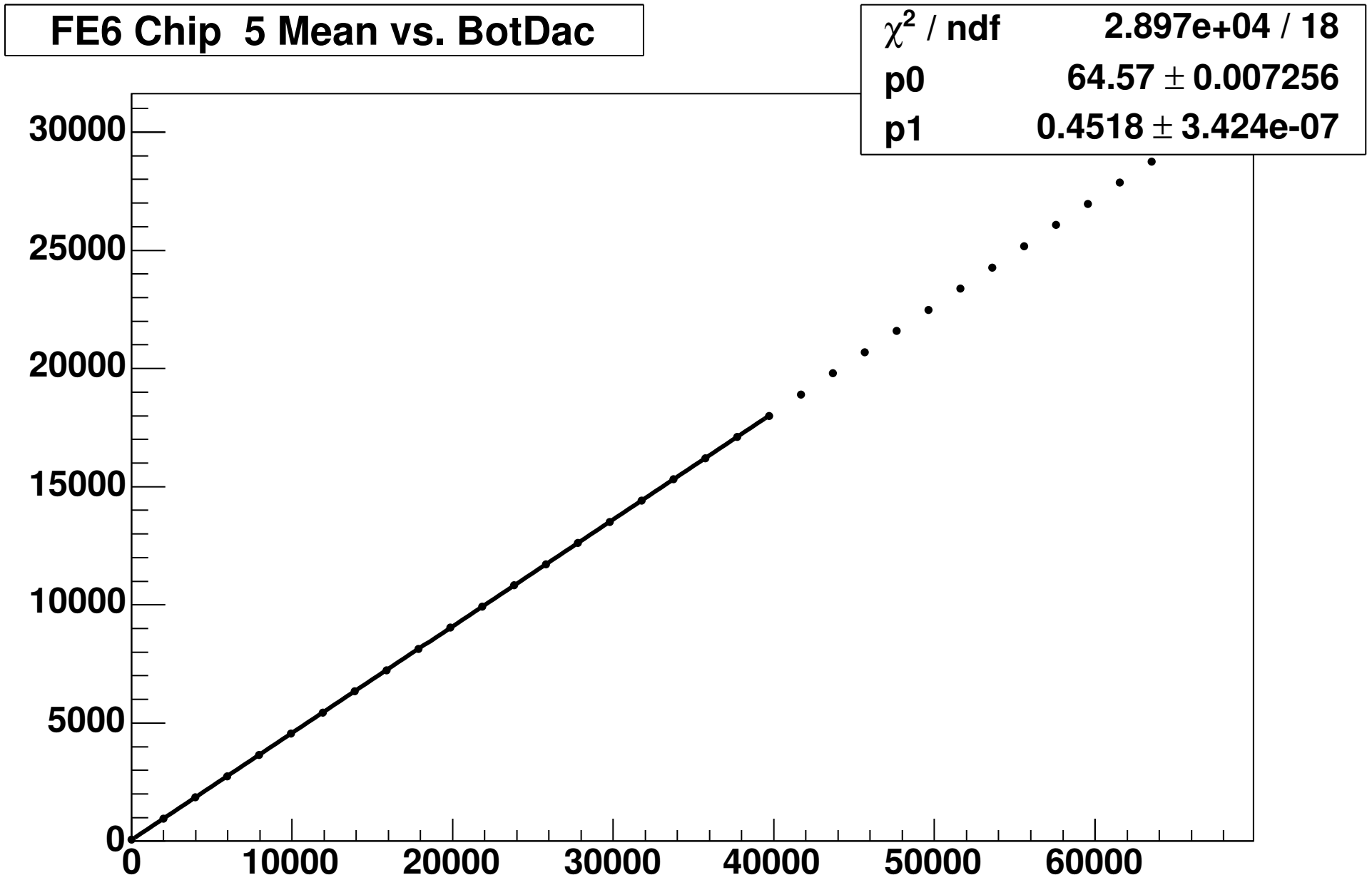
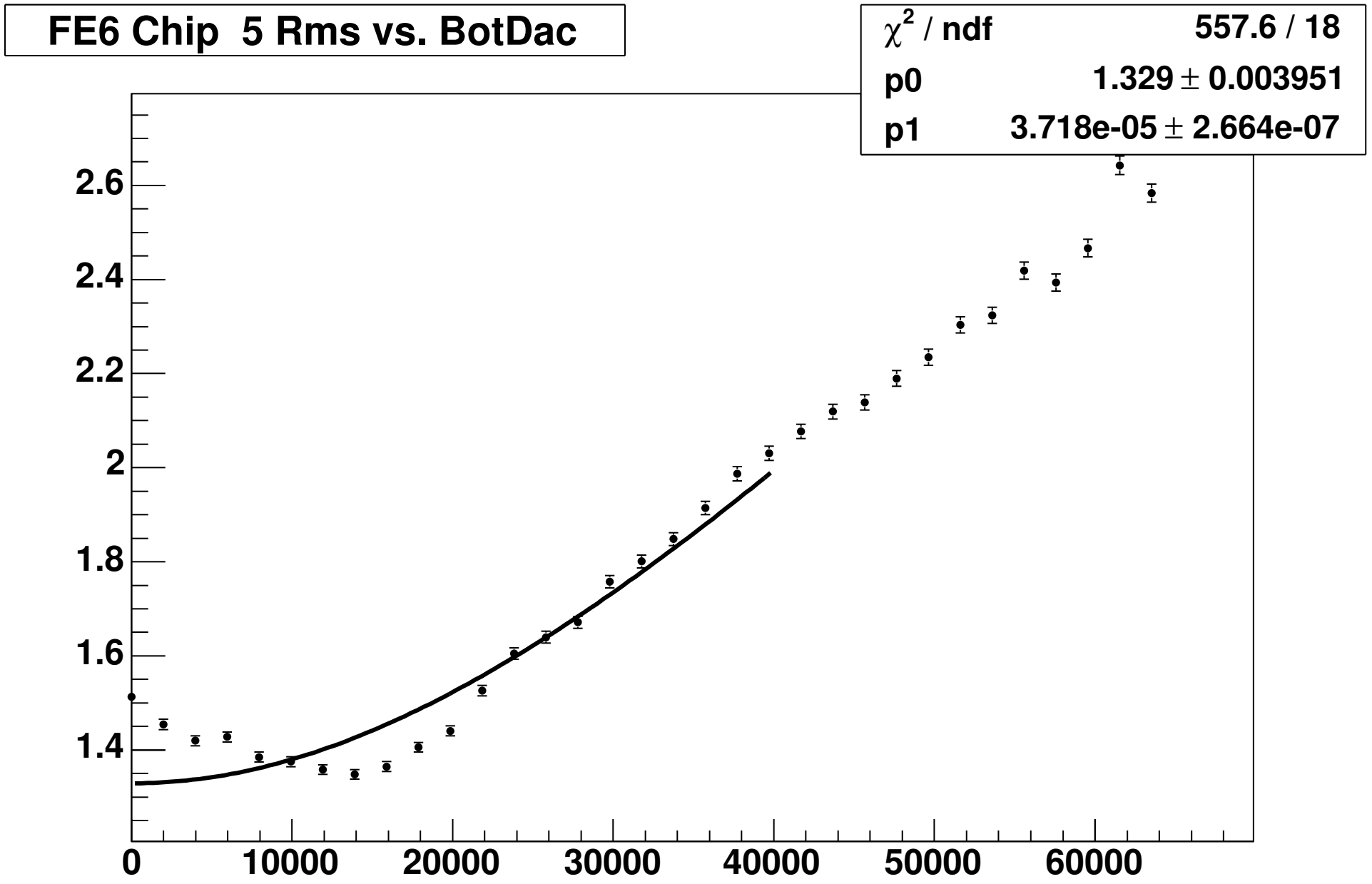
50000
60000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 2.897e+04 / 18
p0 64.57 ± 0.007256
p1 0.4518 ± 3.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 557.6 / 18
p0 1.329 ± 0.003951
p1 3.718e-05 ± 2.664e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
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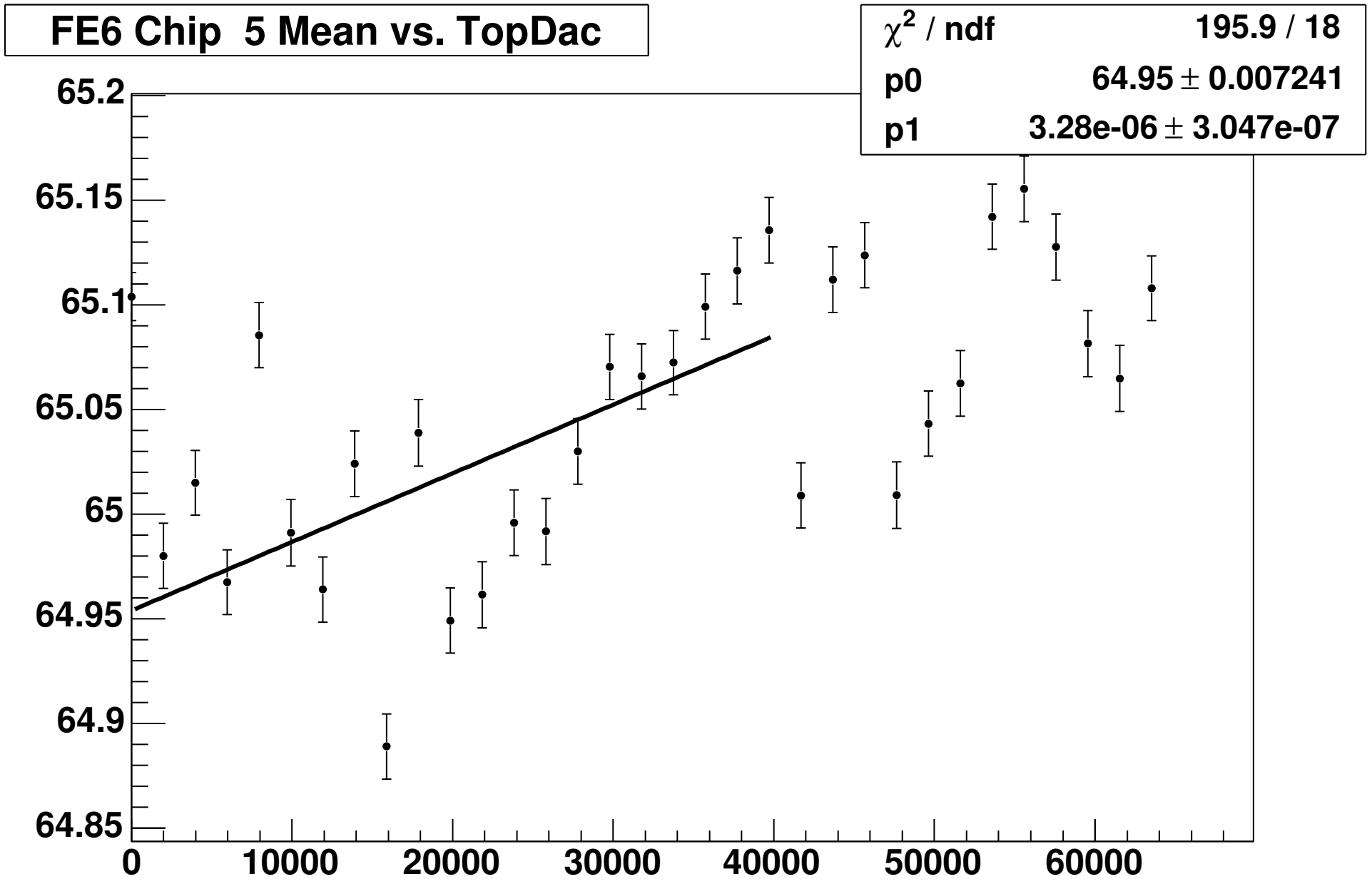
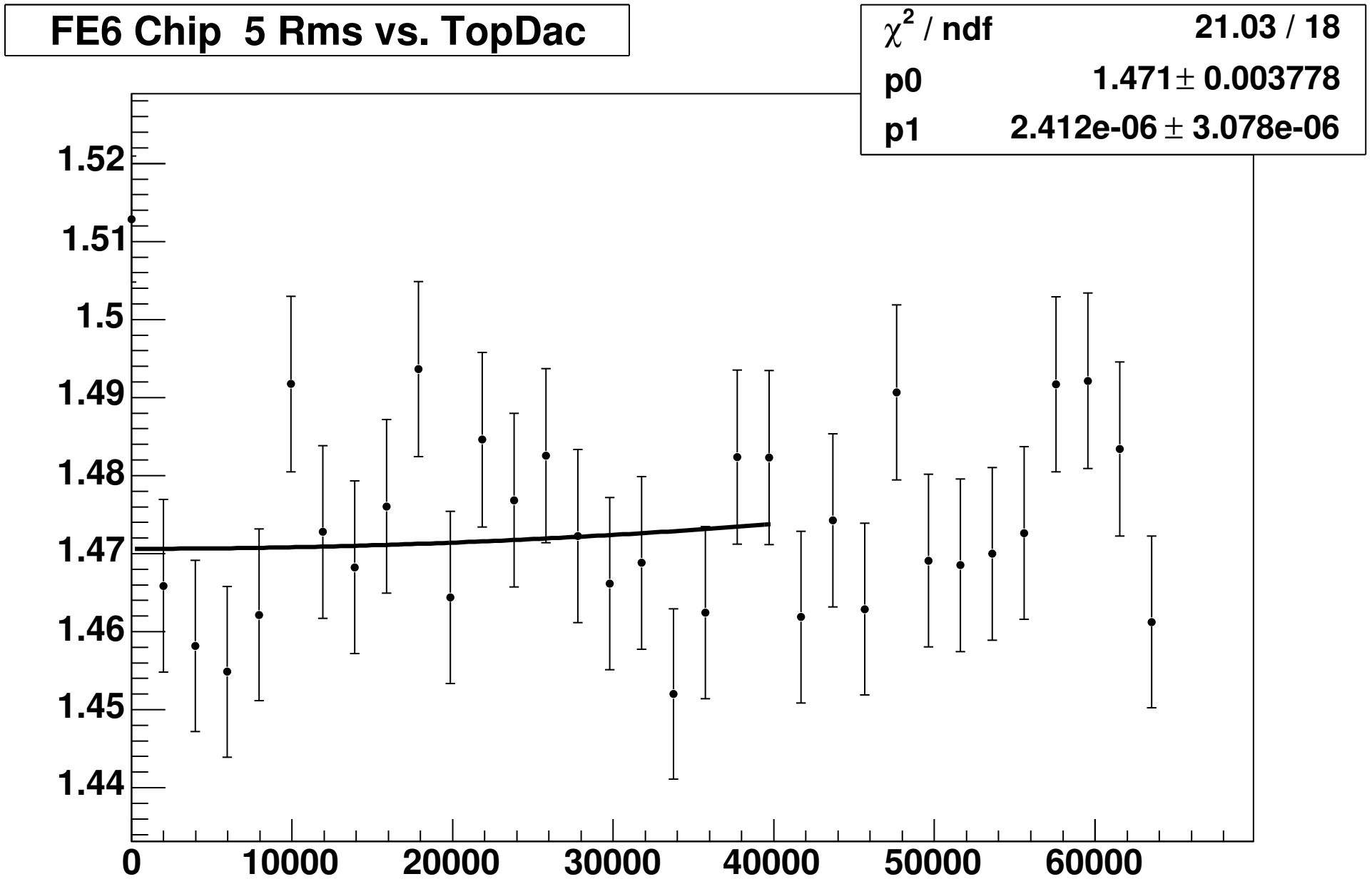

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 195.9 / 18
p0 64.95 ± 0.007241
p1 3.28e-06 ± 3.047e-07
65.2
65.15
65.1
65.05
65
64.95
64.9
64.85
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 21.03 / 18
p0 1.471 ± 0.003778
p1 2.412e-06 ± 3.078e-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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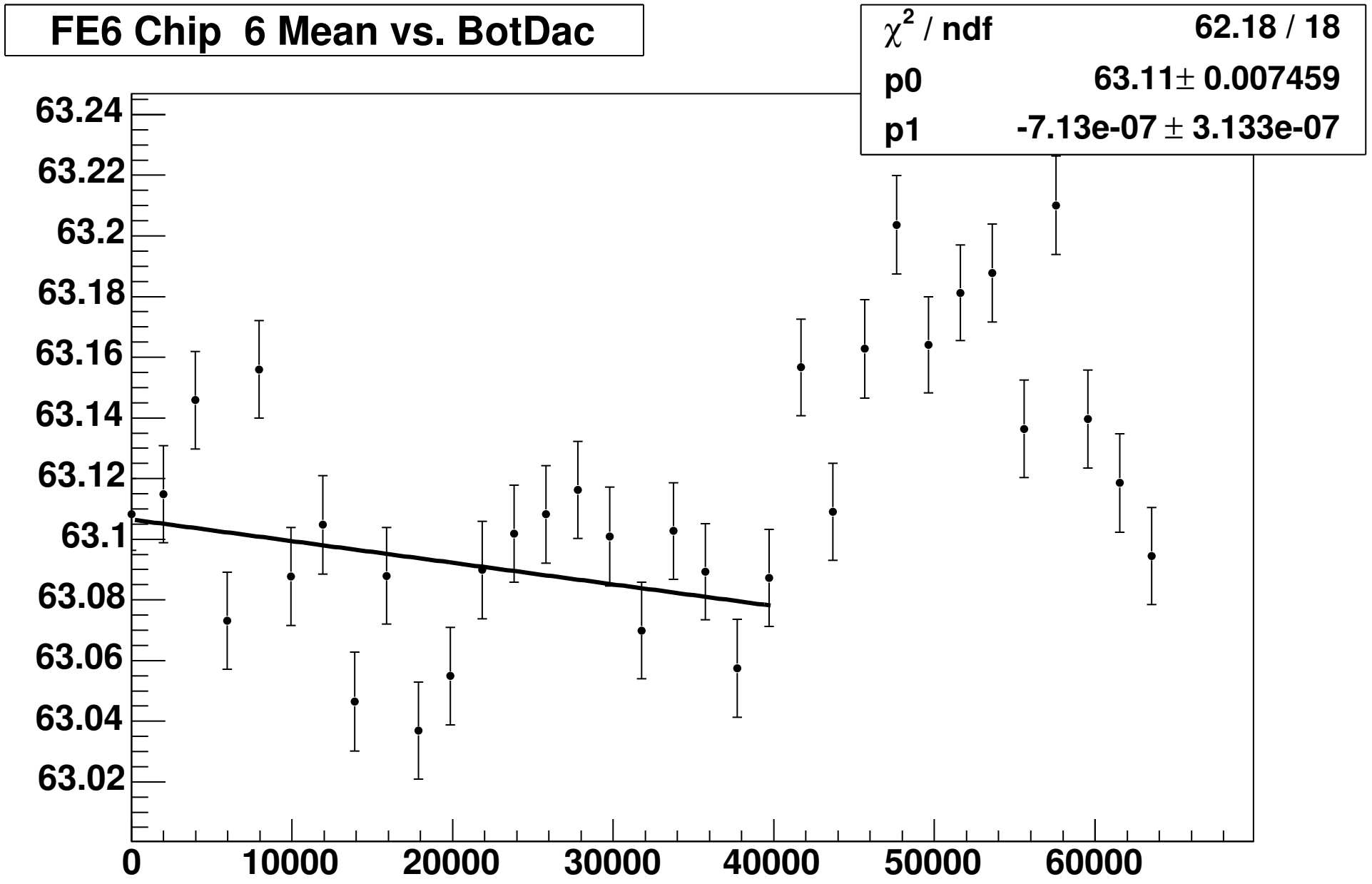
30000
40000
50000
60000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 62.18 / 18
p0 63.11 ± 0.007459
p1 -7.13e-07 ± 3.133e-07
63.24
63.22
63.2
63.18
63.16
63.14
63.12
63.1
63.08
63.06
63.04
63.02
0
10000
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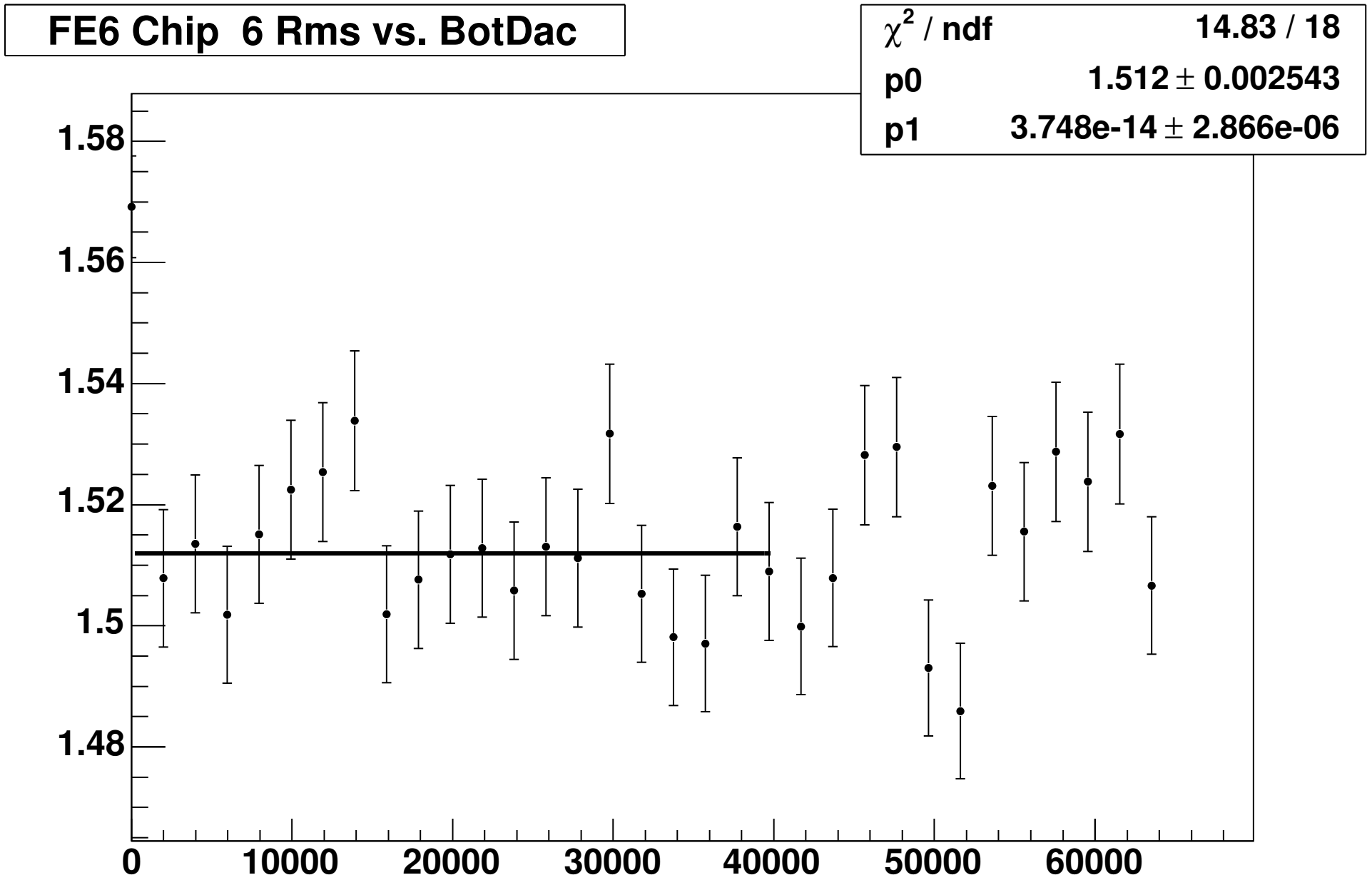
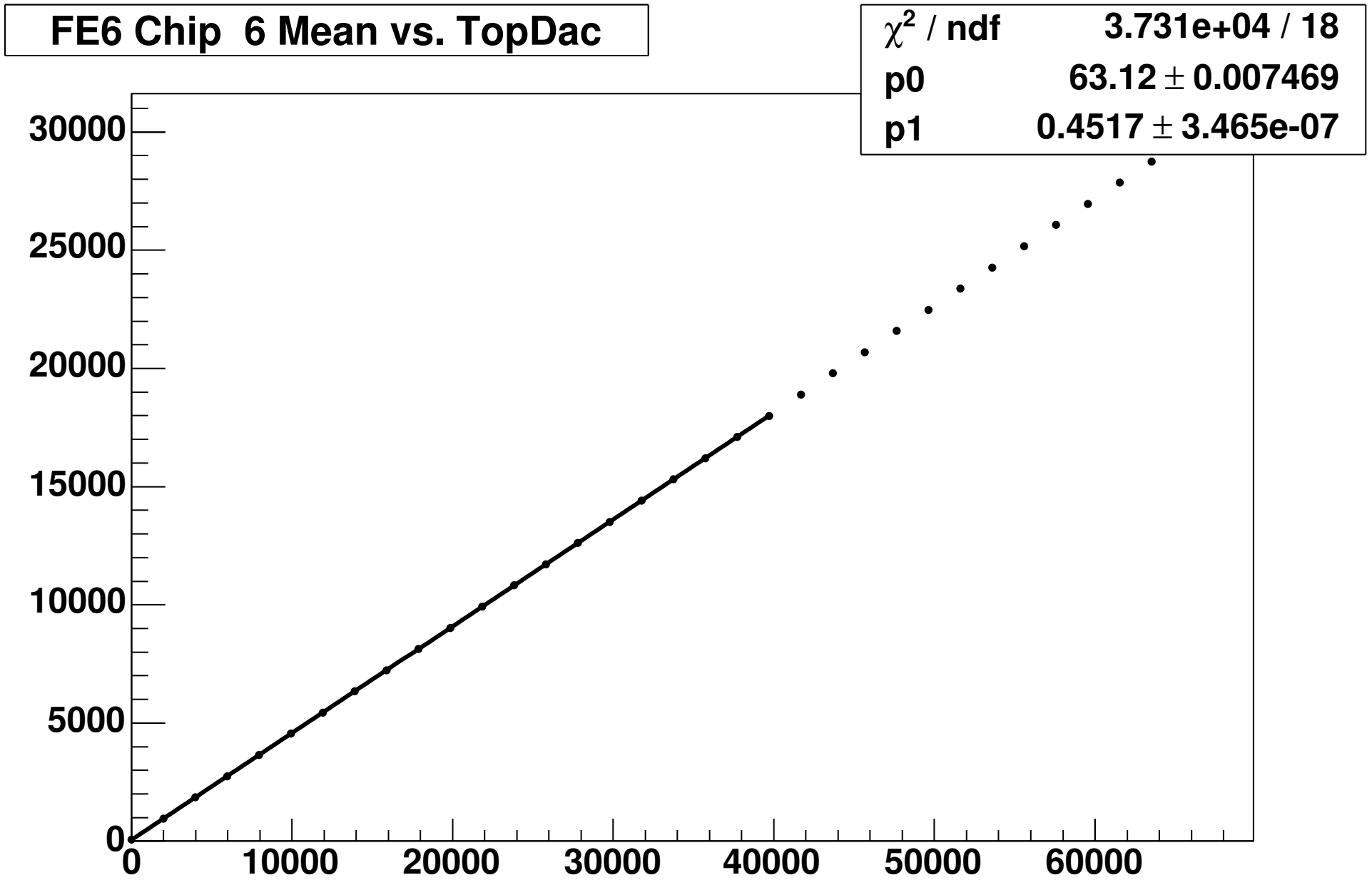
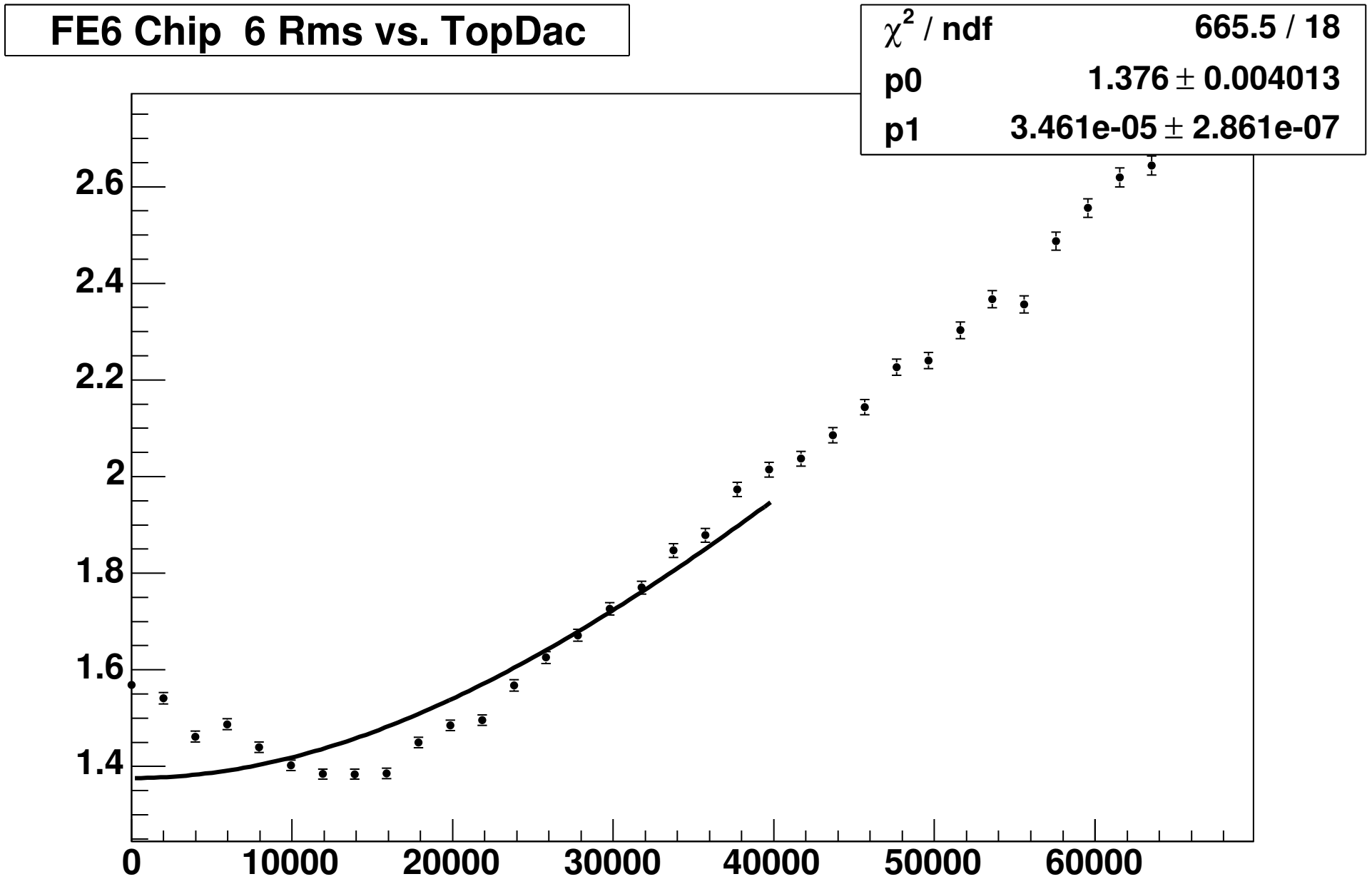
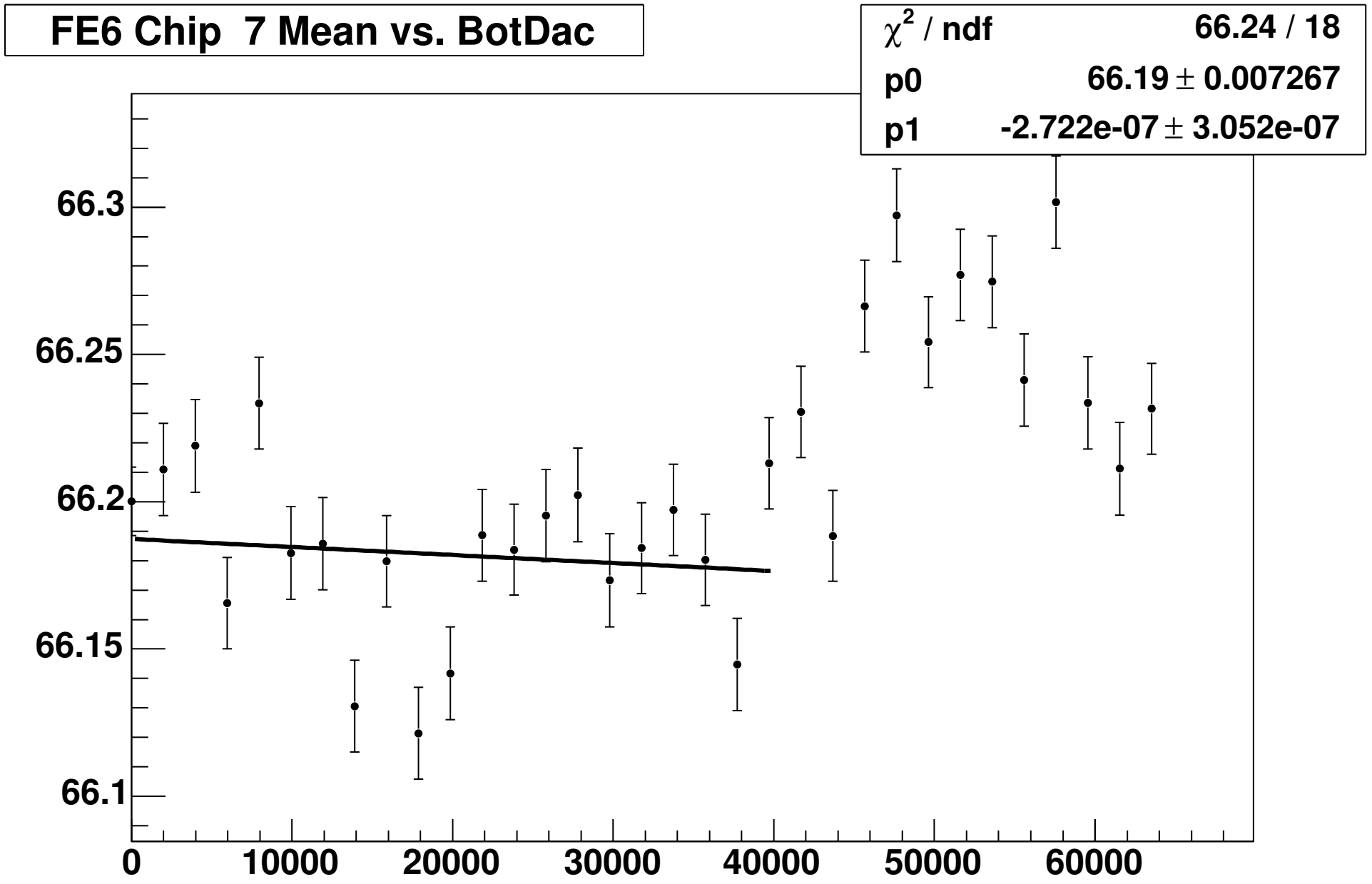
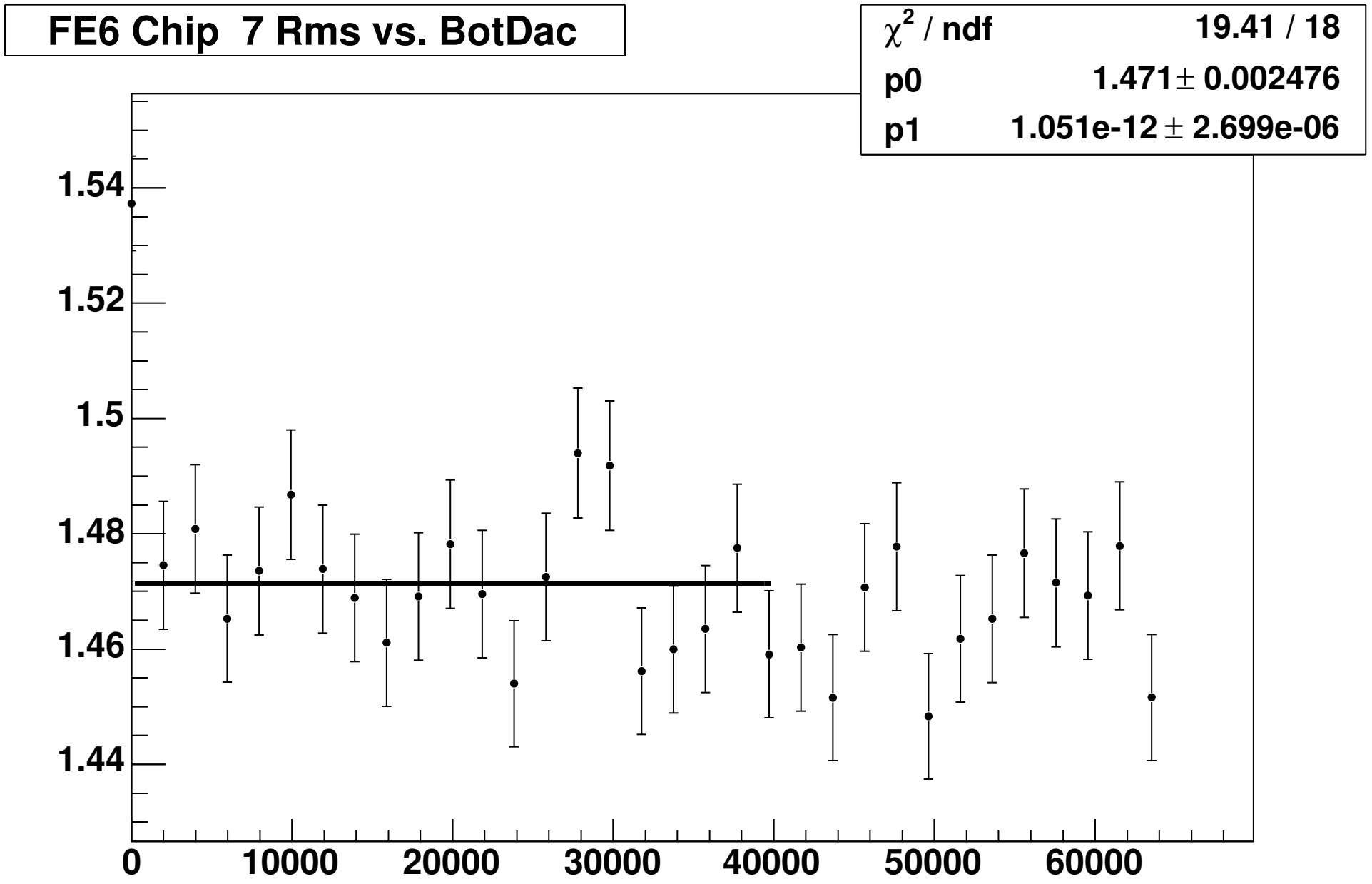
30000
40000
50000
60000

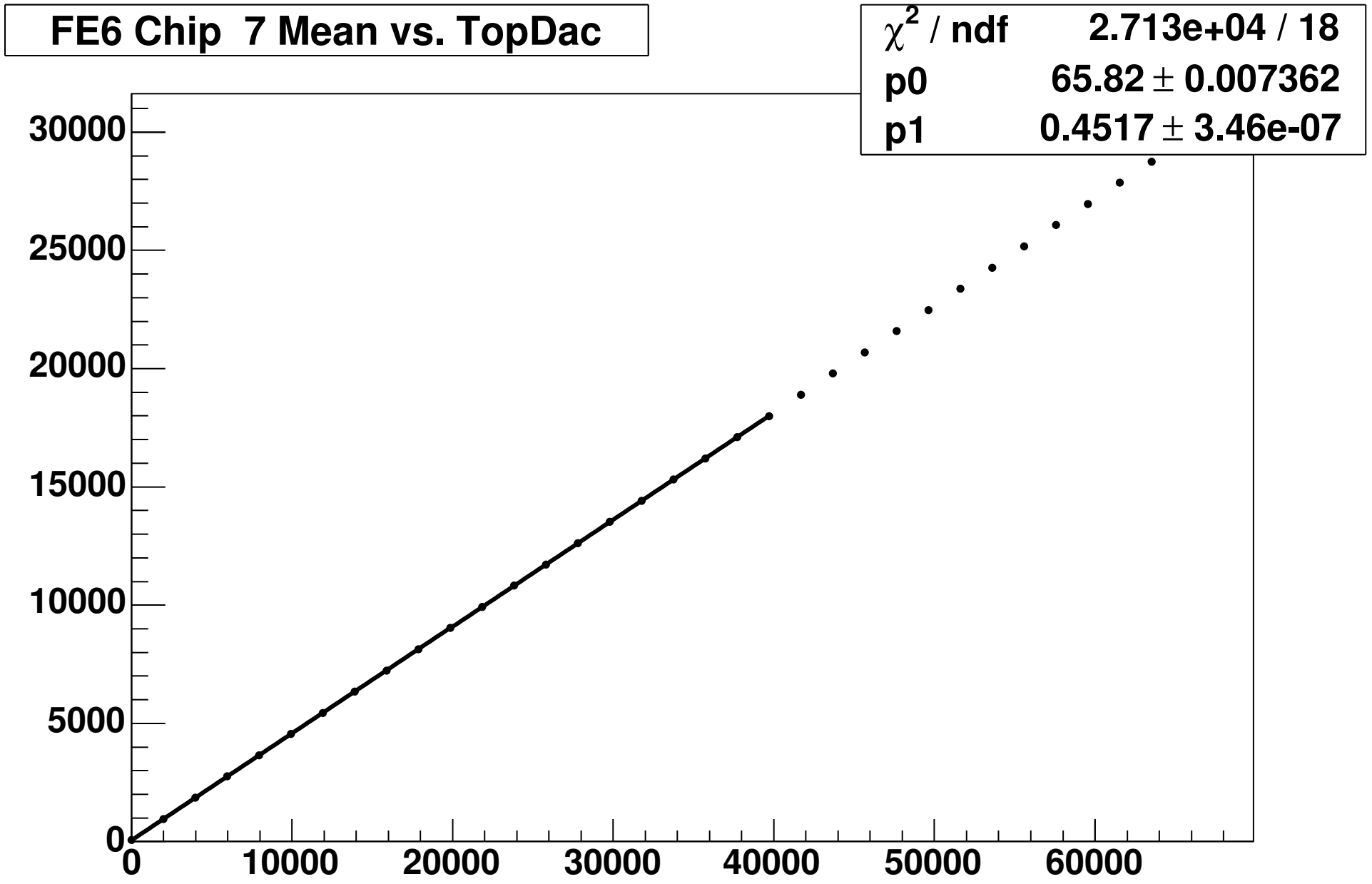

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 14.83 / 18
p0 1.512 ± 0.002543
p1 3.748e-14 ± 2.866e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

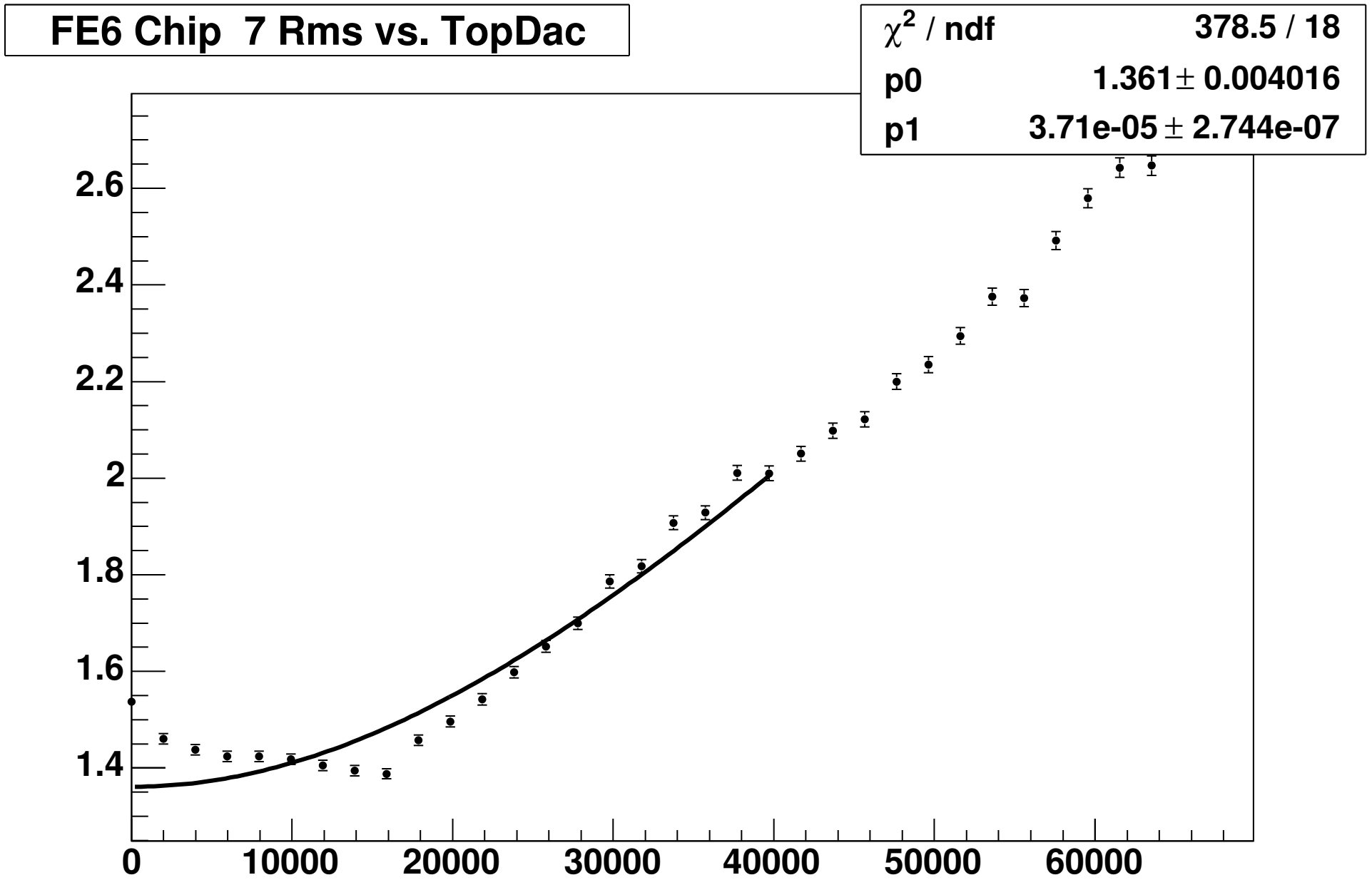

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 3.731e+04 / 18
p0 63.12 ± 0.007469
p1 0.4517 ± 3.465e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

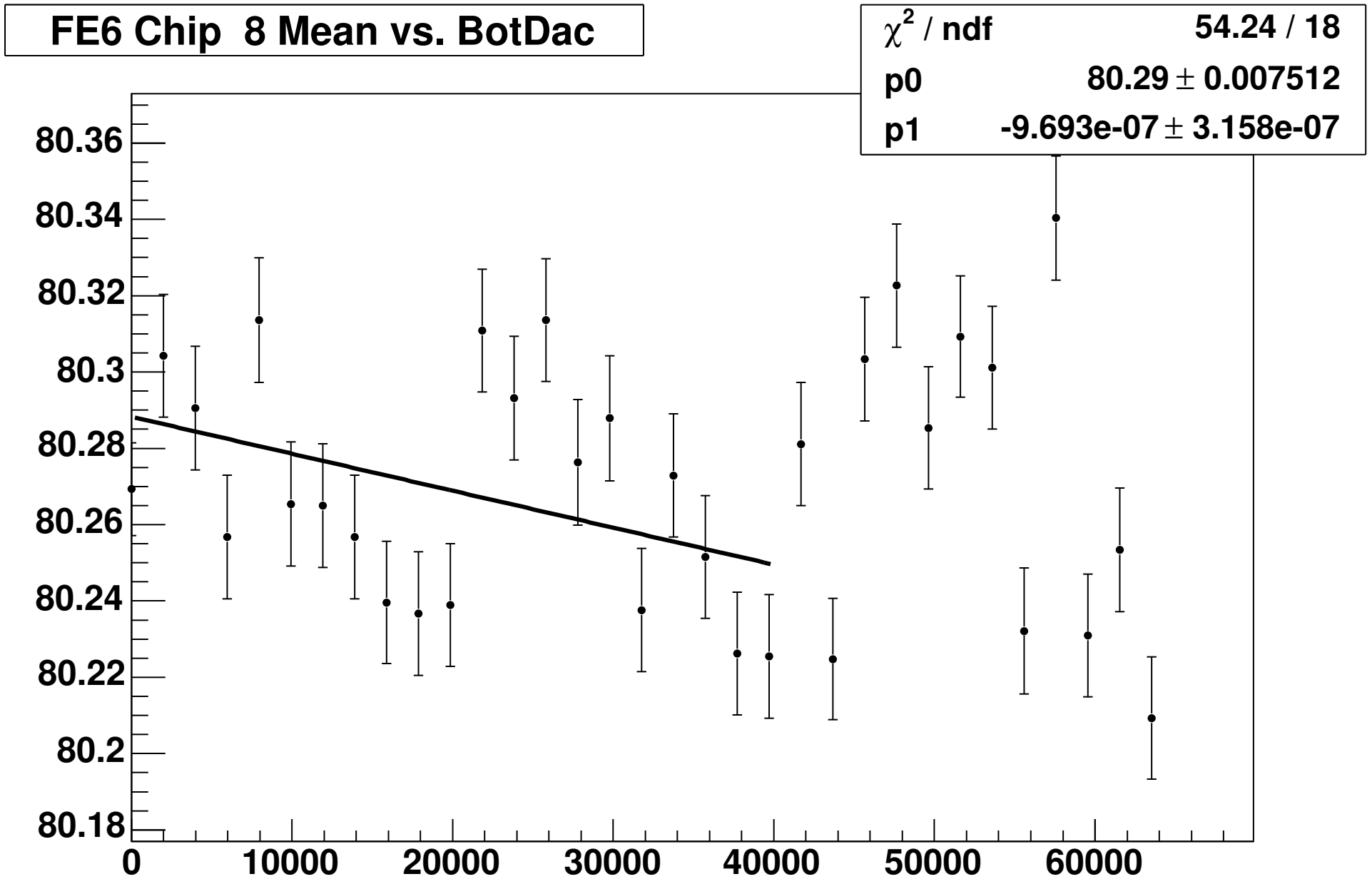

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 665.5 / 18
p0 1.376 ± 0.004013
p1 3.461e-05 ± 2.861e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

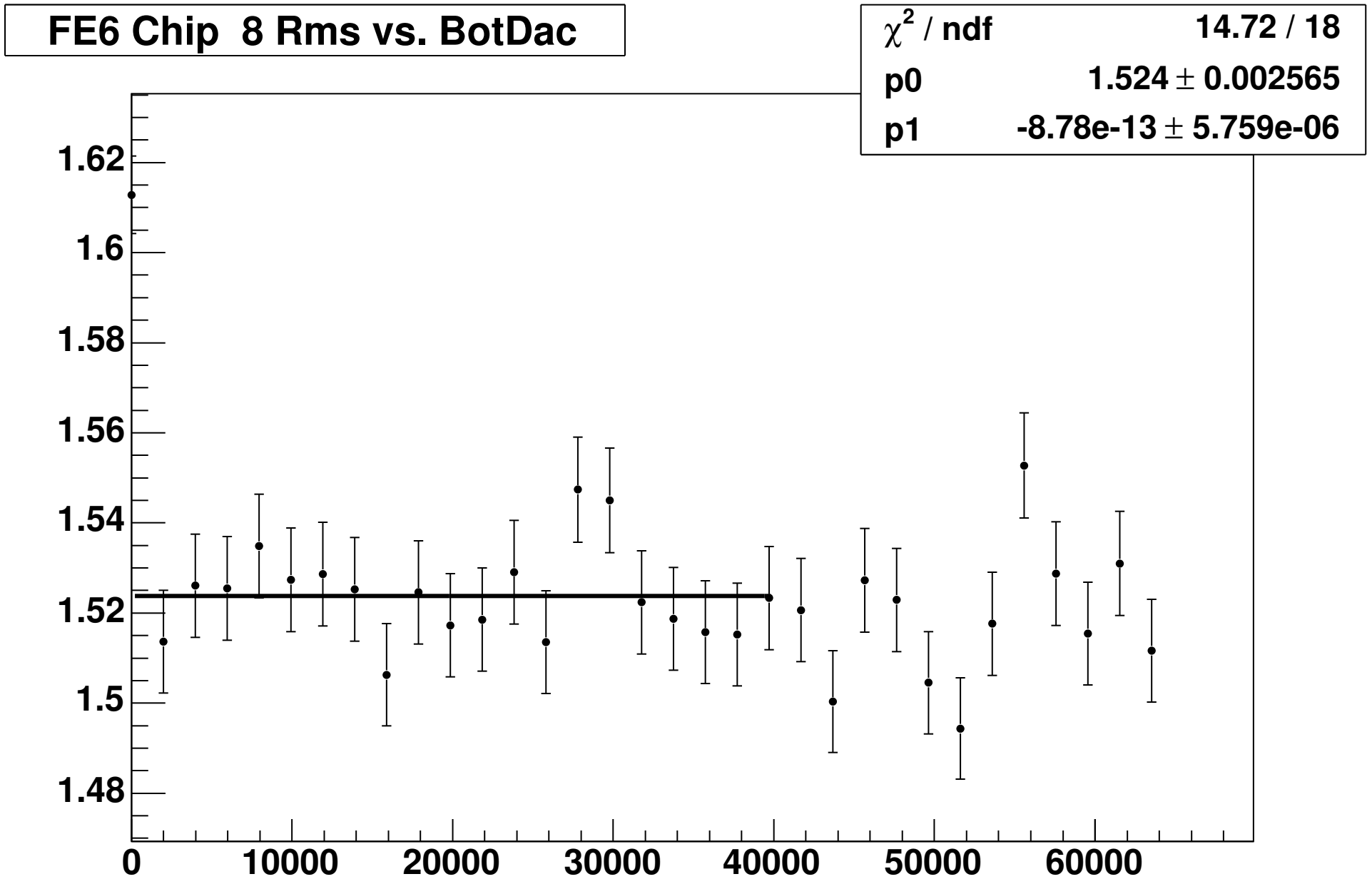

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 66.24 / 18
p0 66.19 ± 0.007267
p1 -2.722e-07 ± 3.052e-07
66.3
66.25
66.2
66.15
66.1
0
10000
20000
30000
40000
50000
60000

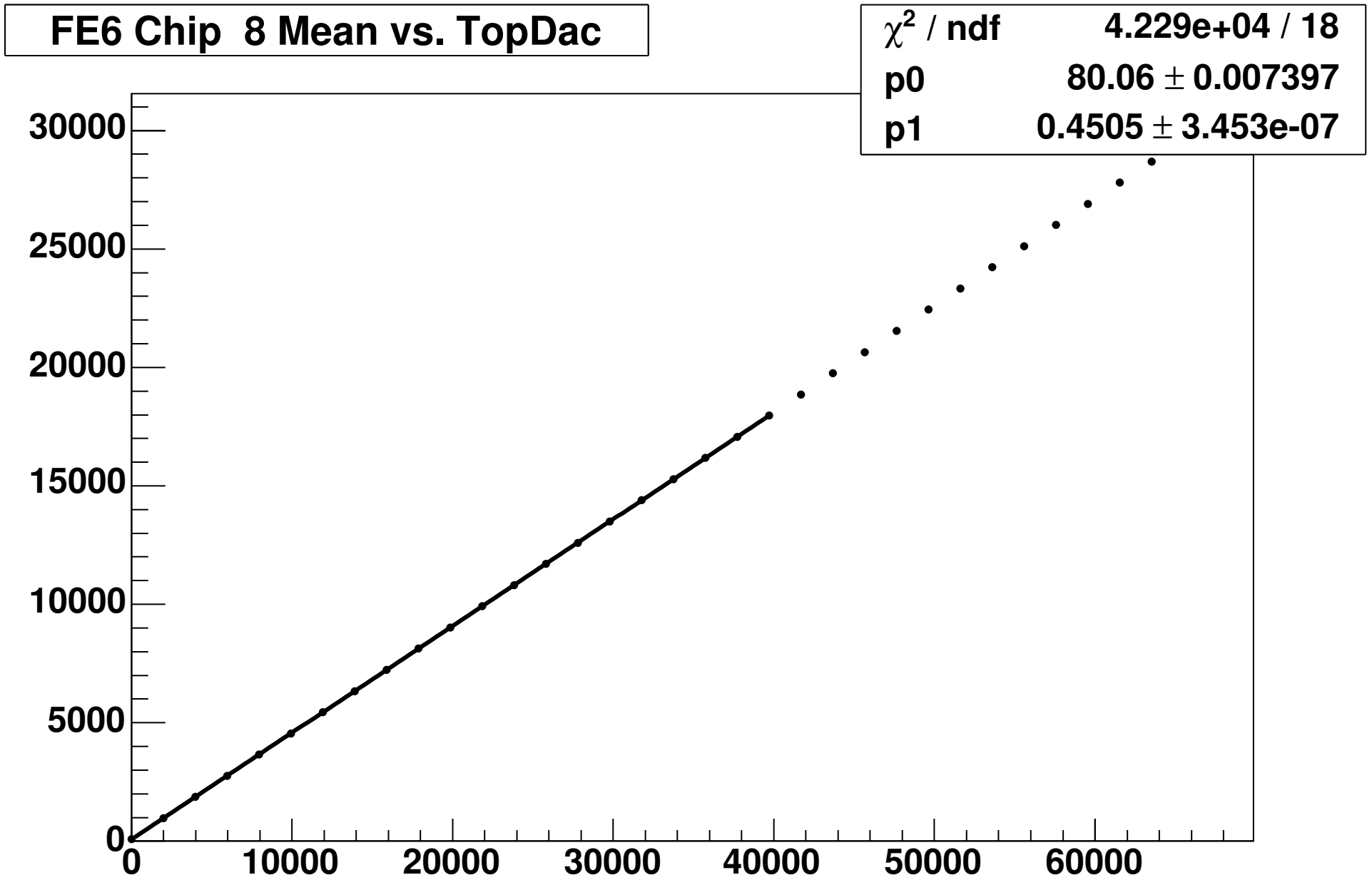

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 19.41 / 18
p0 1.471 ± 0.002476
p1 1.051e-12 ± 2.699e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

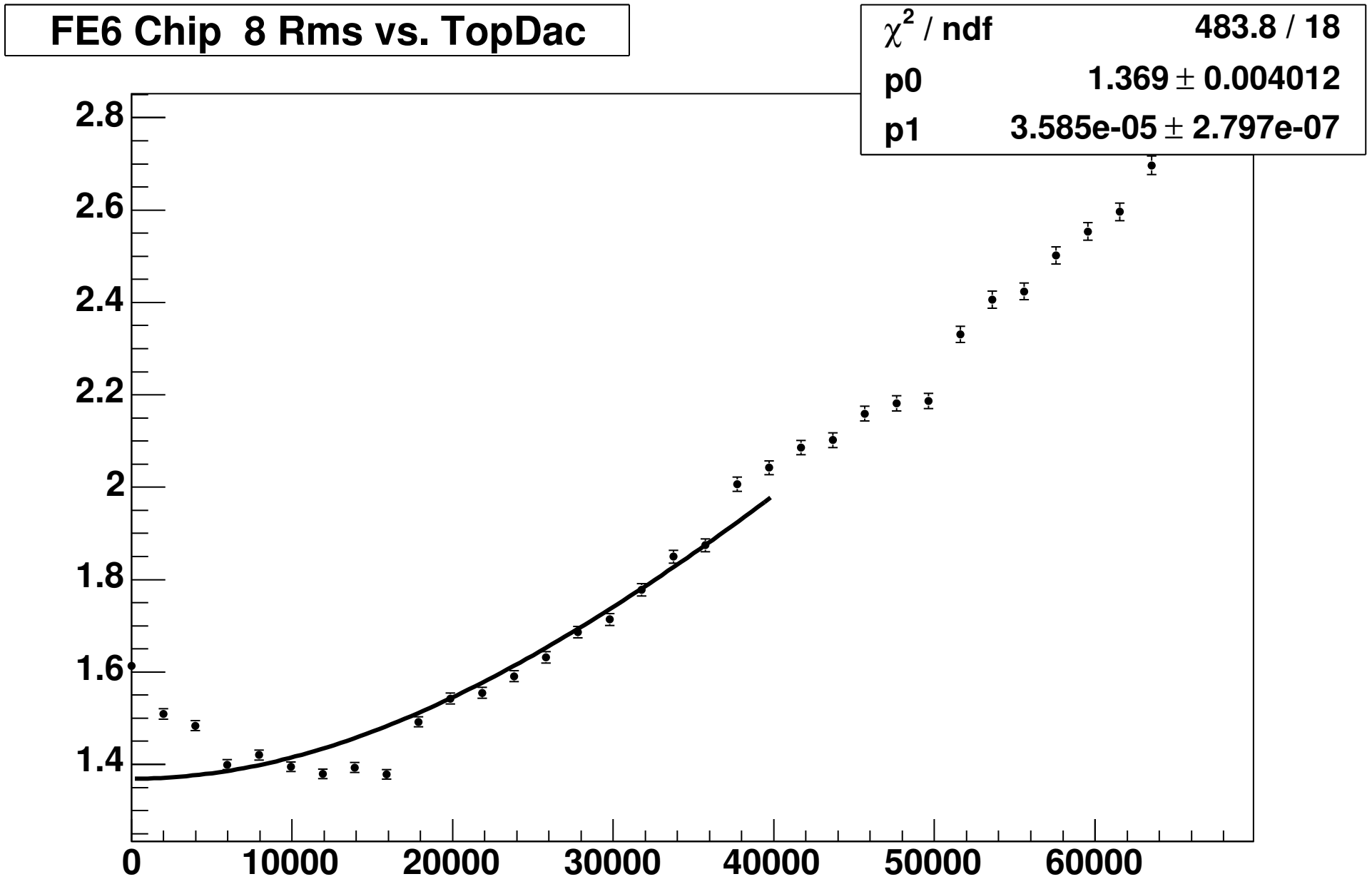

FE6 Chip 7 Mean vs. TopDac
χ^2 / ndf 2.713e+04 / 18
p0 65.82 ± 0.007362
p1 0.4517 ± 3.46e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

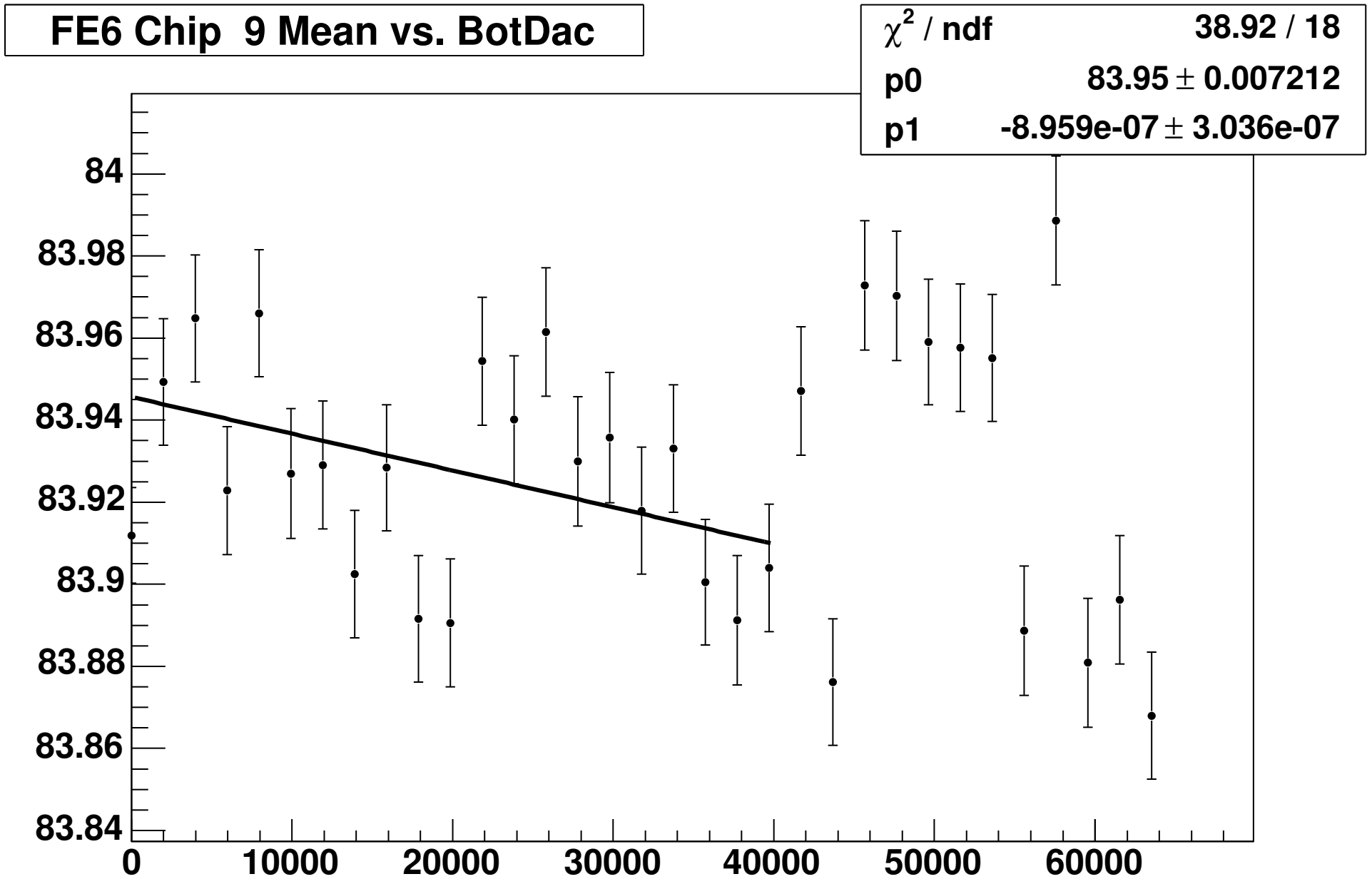

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 378.5 / 18
p0 1.361 ± 0.004016
p1 3.71e-05 ± 2.744e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

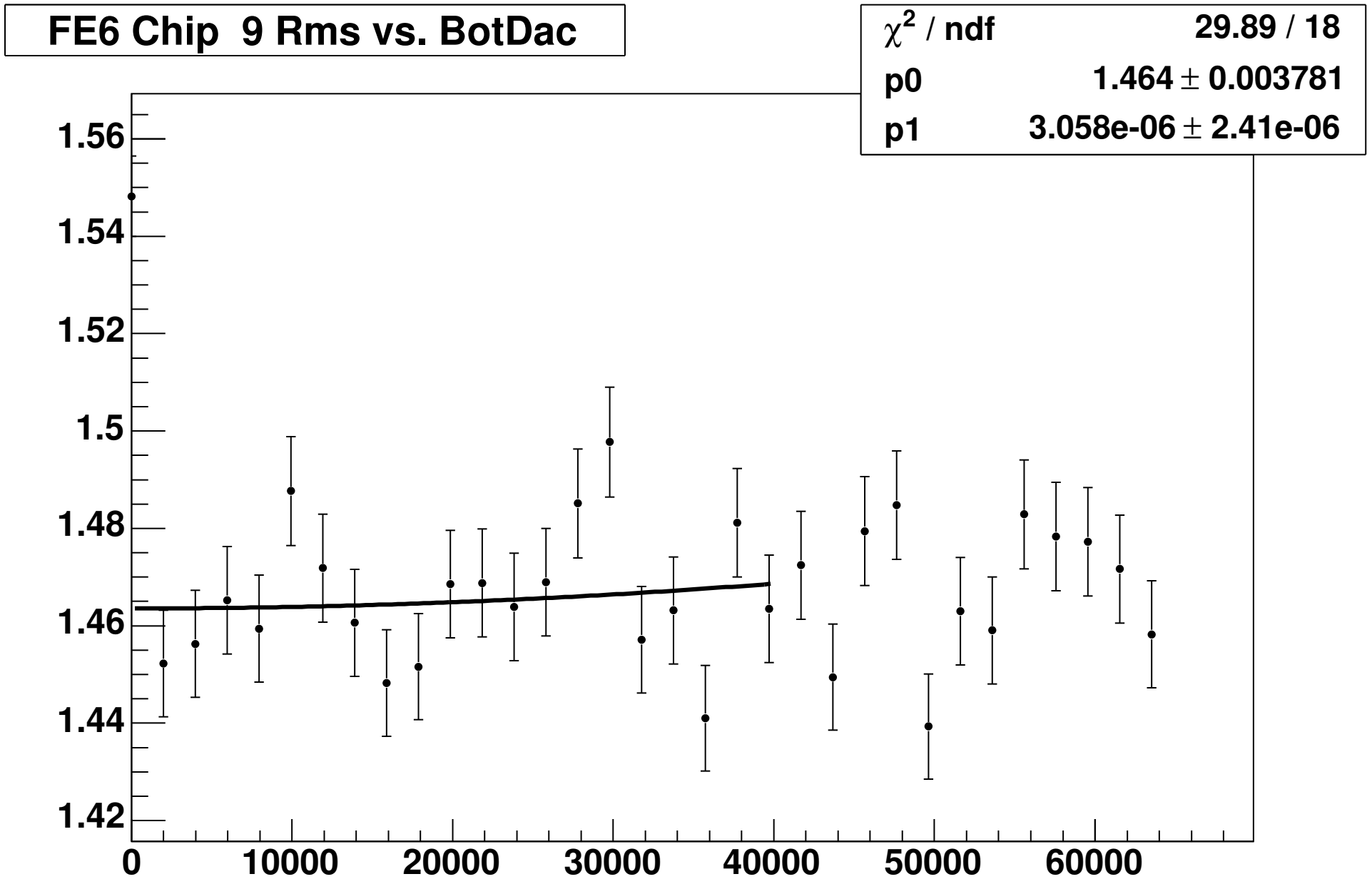

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 54.24 / 18
p0 80.29 ± 0.007512
p1 -9.693e-07 ± 3.158e-07
80.36
80.34
80.32
80.3
80.28
80.26
80.24
80.22
80.2
80.18
0
10000
20000
30000
40000
50000
60000

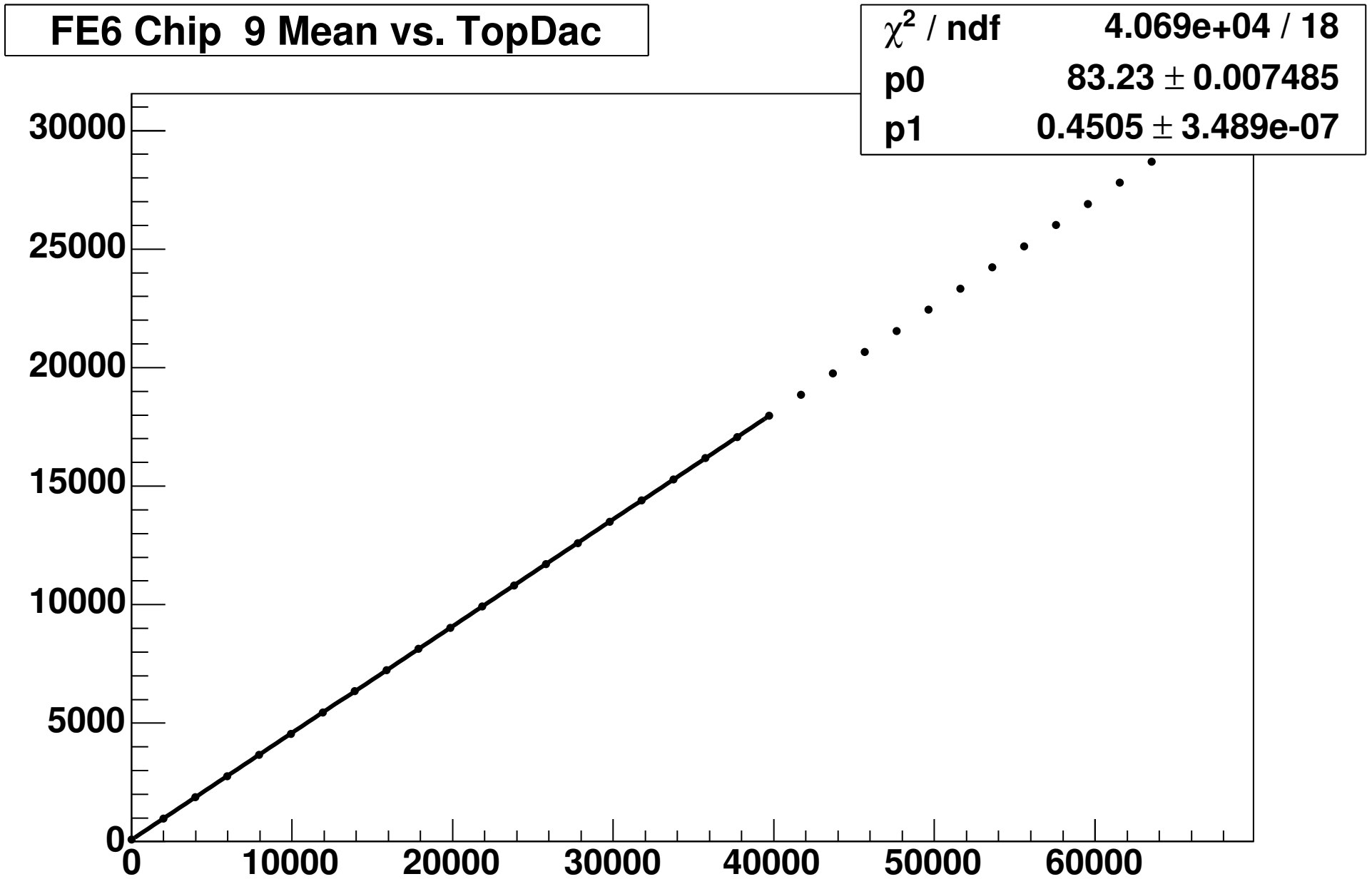

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 14.72 / 18
p0 1.524 ± 0.002565
p1 -8.78e-13 ± 5.759e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

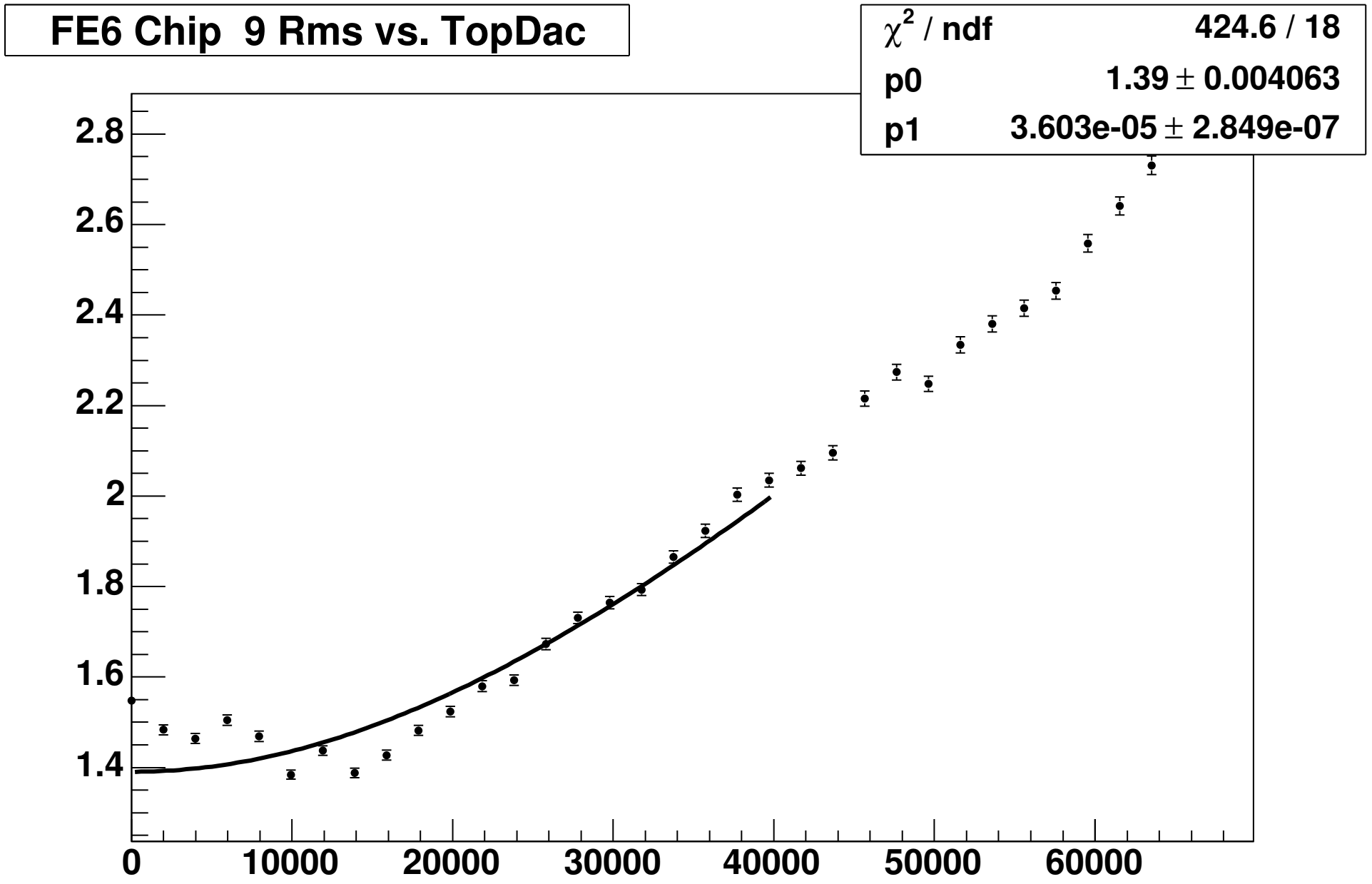

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 4.229e+04 / 18
p0 80.06 ± 0.007397
p1 0.4505 ± 3.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

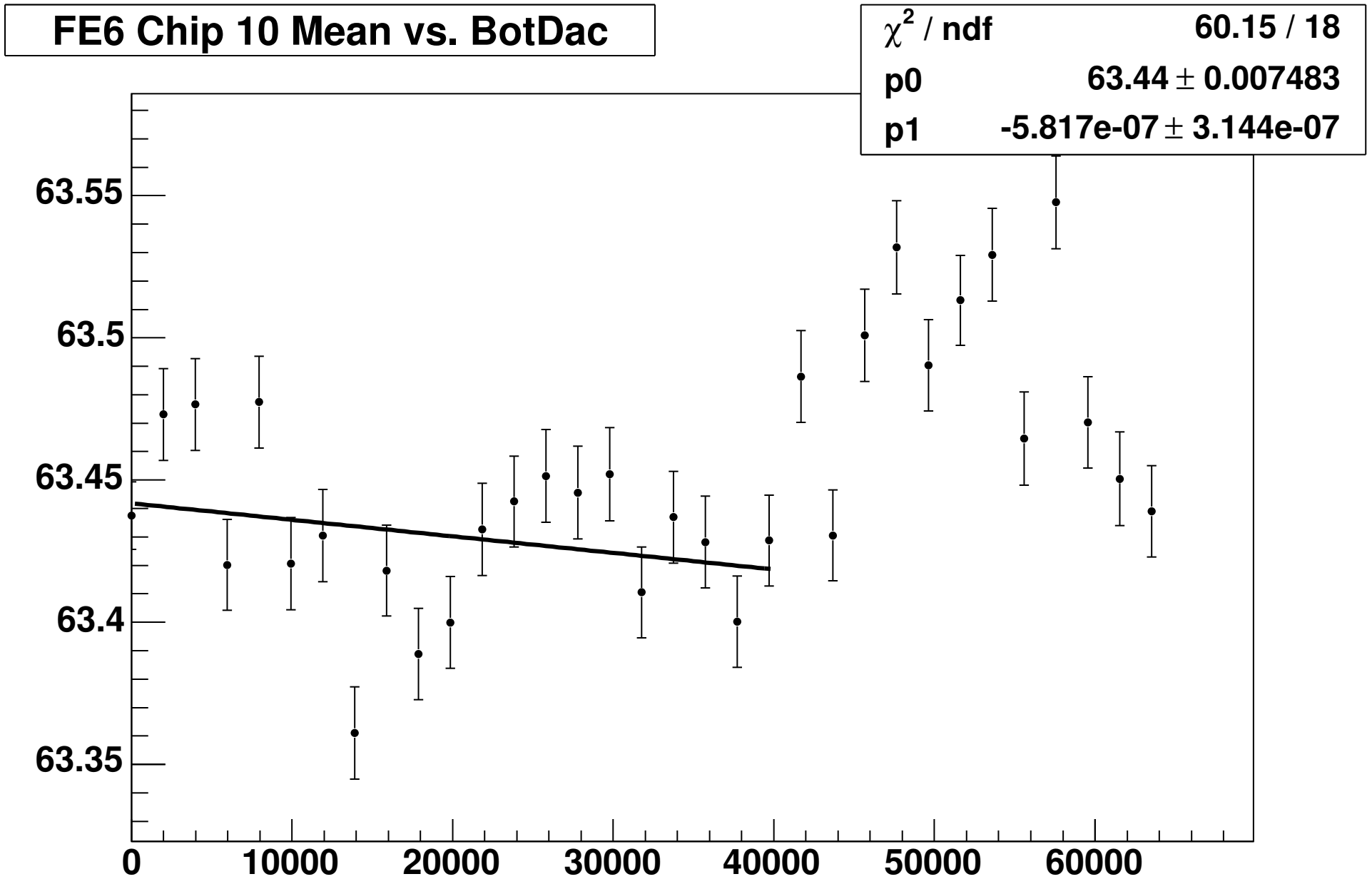

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 483.8 / 18
p0 1.369 ± 0.004012
p1 3.585e-05 ± 2.797e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 38.92 / 18
p0 83.95 ± 0.007212
p1 -8.959e-07 ± 3.036e-07
84
83.98
83.96
83.94
83.92
83.9
83.88
83.86
83.84
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 29.89 / 18
p0 1.464 ± 0.003781
p1 3.058e-06 ± 2.41e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 4.069e+04 / 18
p0 83.23 ± 0.007485
p1 0.4505 ± 3.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 424.6 / 18
p0 1.39 ± 0.004063
p1 3.603e-05 ± 2.849e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 60.15 / 18
p0 63.44 ± 0.007483
p1 -5.817e-07 ± 3.144e-07
63.55
63.5
63.45
63.4
63.35
0
10000
20000
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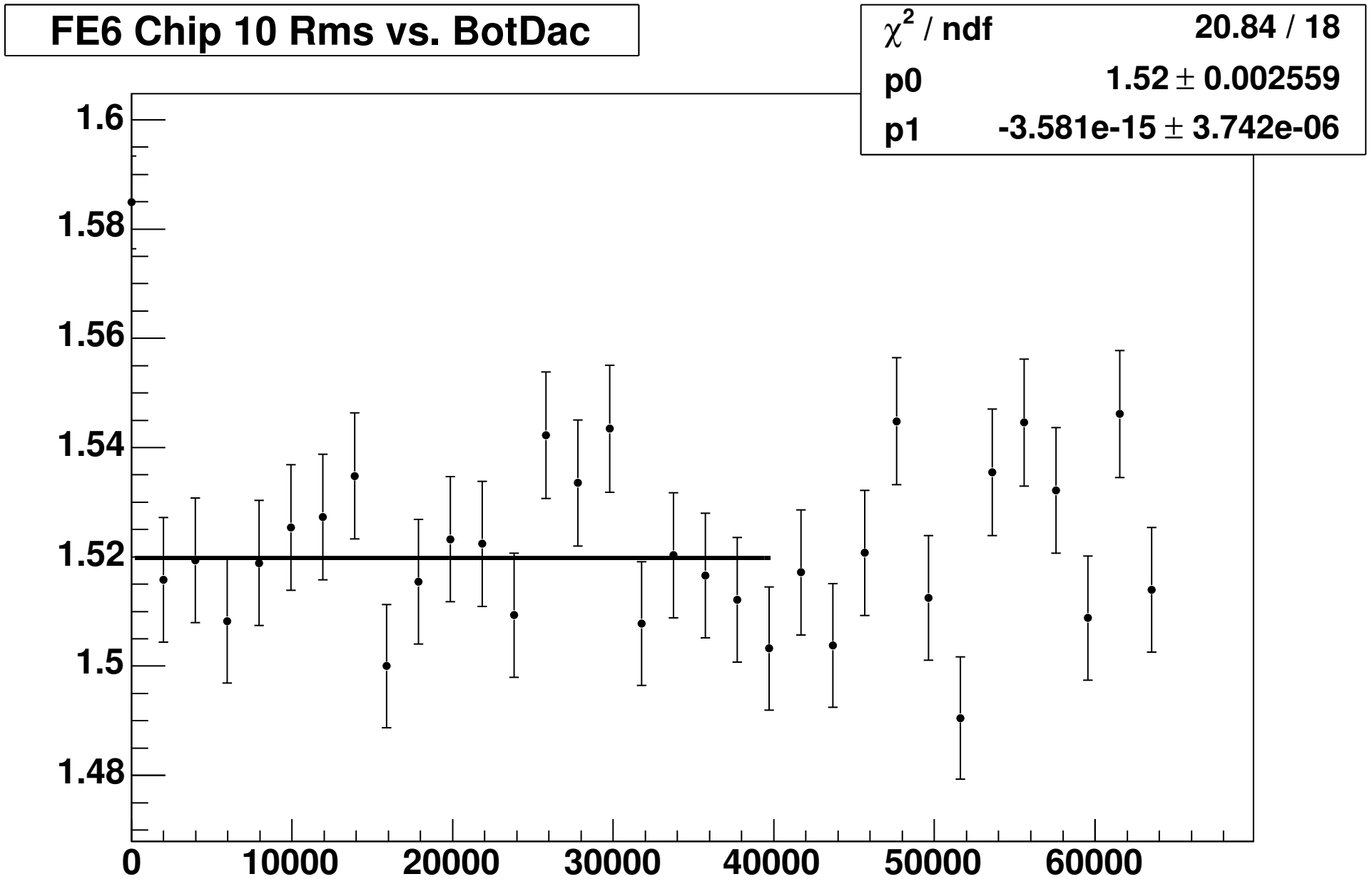
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 20.84 / 18
p0 1.52 ± 0.002559
p1 -3.581e-15 ± 3.742e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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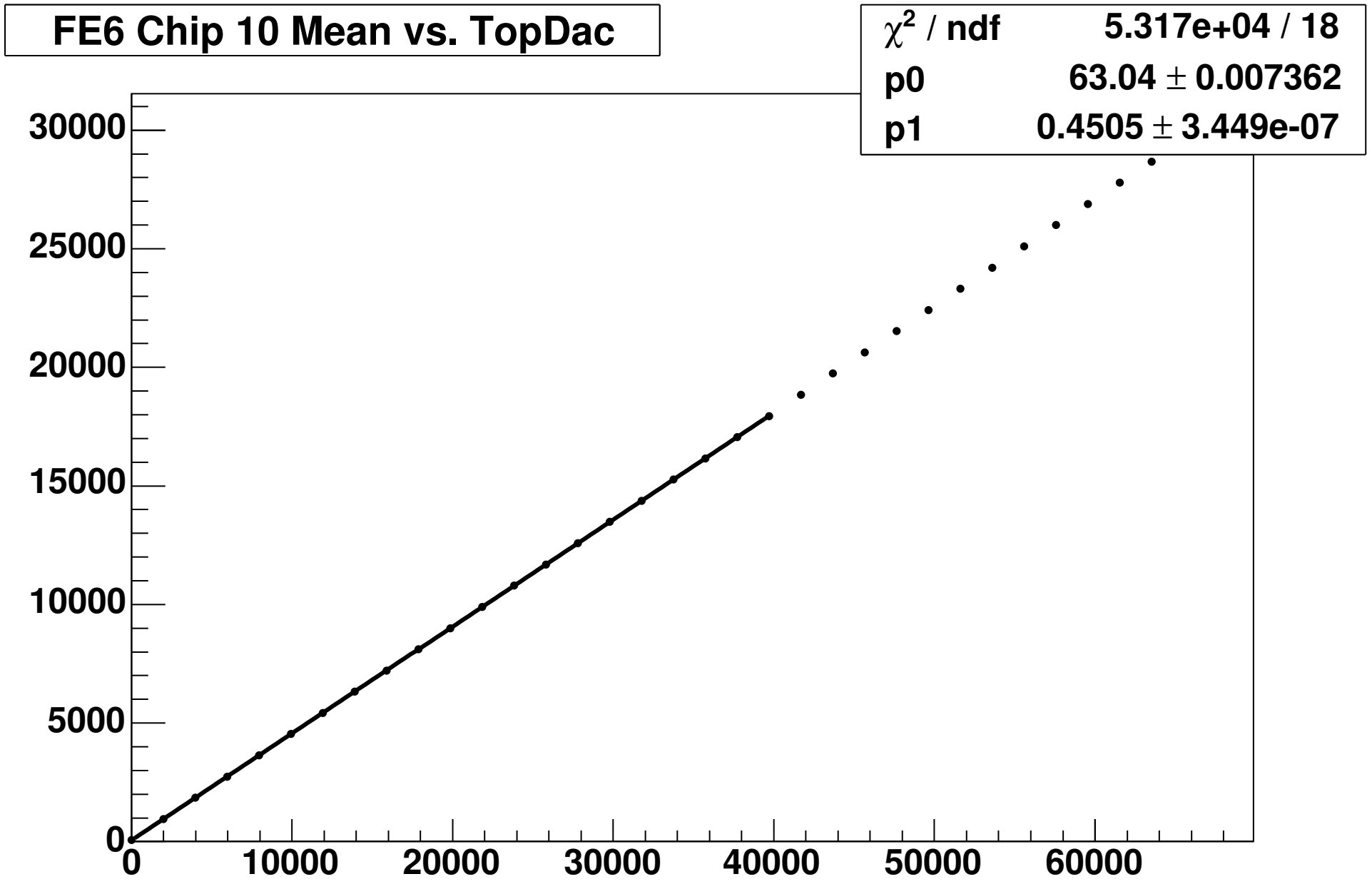
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 5.317e+04 / 18
p0 63.04 ± 0.007362
p1 0.4505 ± 3.449e-07
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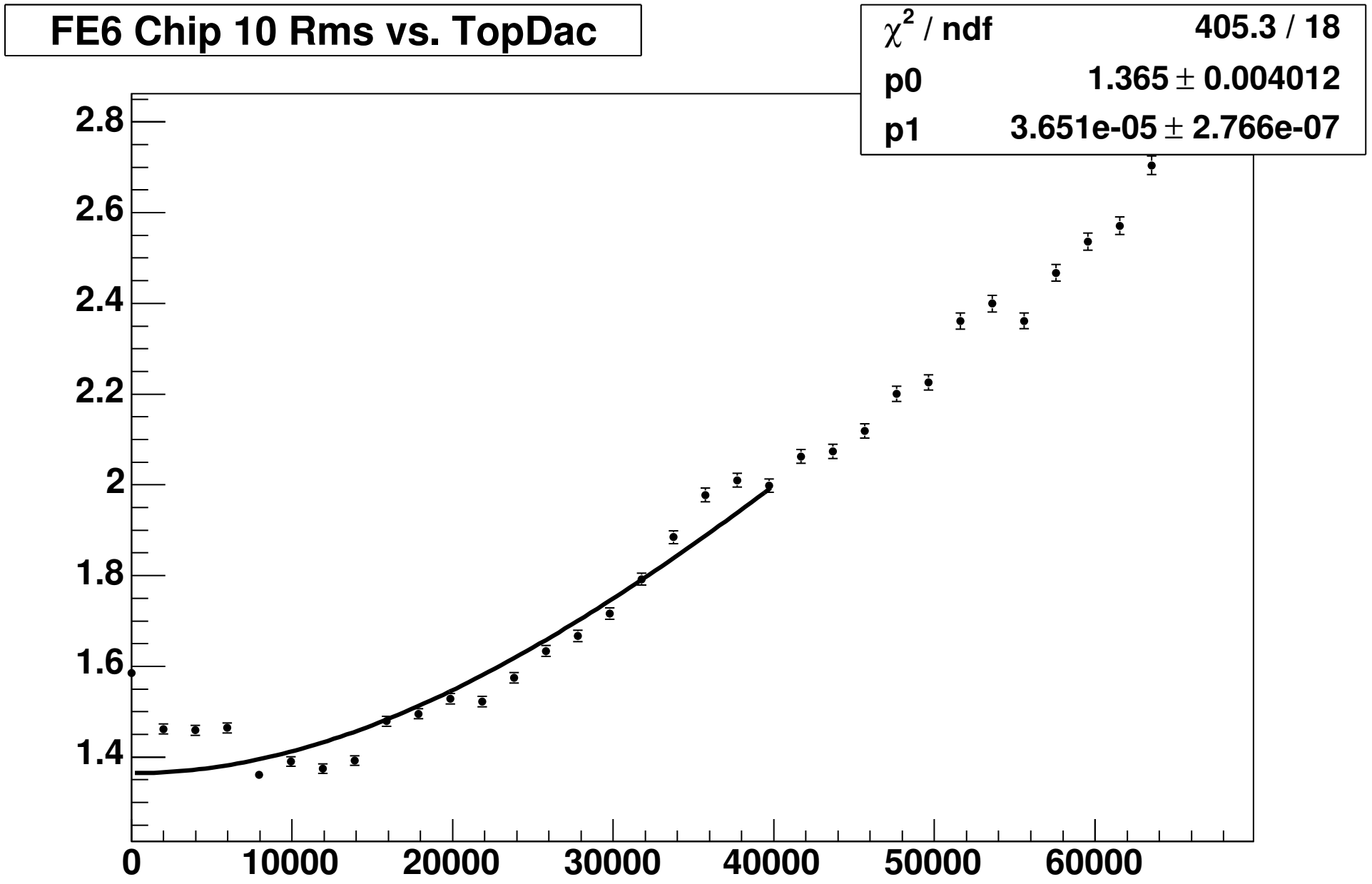
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 405.3 / 18
p0 1.365 ± 0.004012
p1 3.651e-05 ± 2.766e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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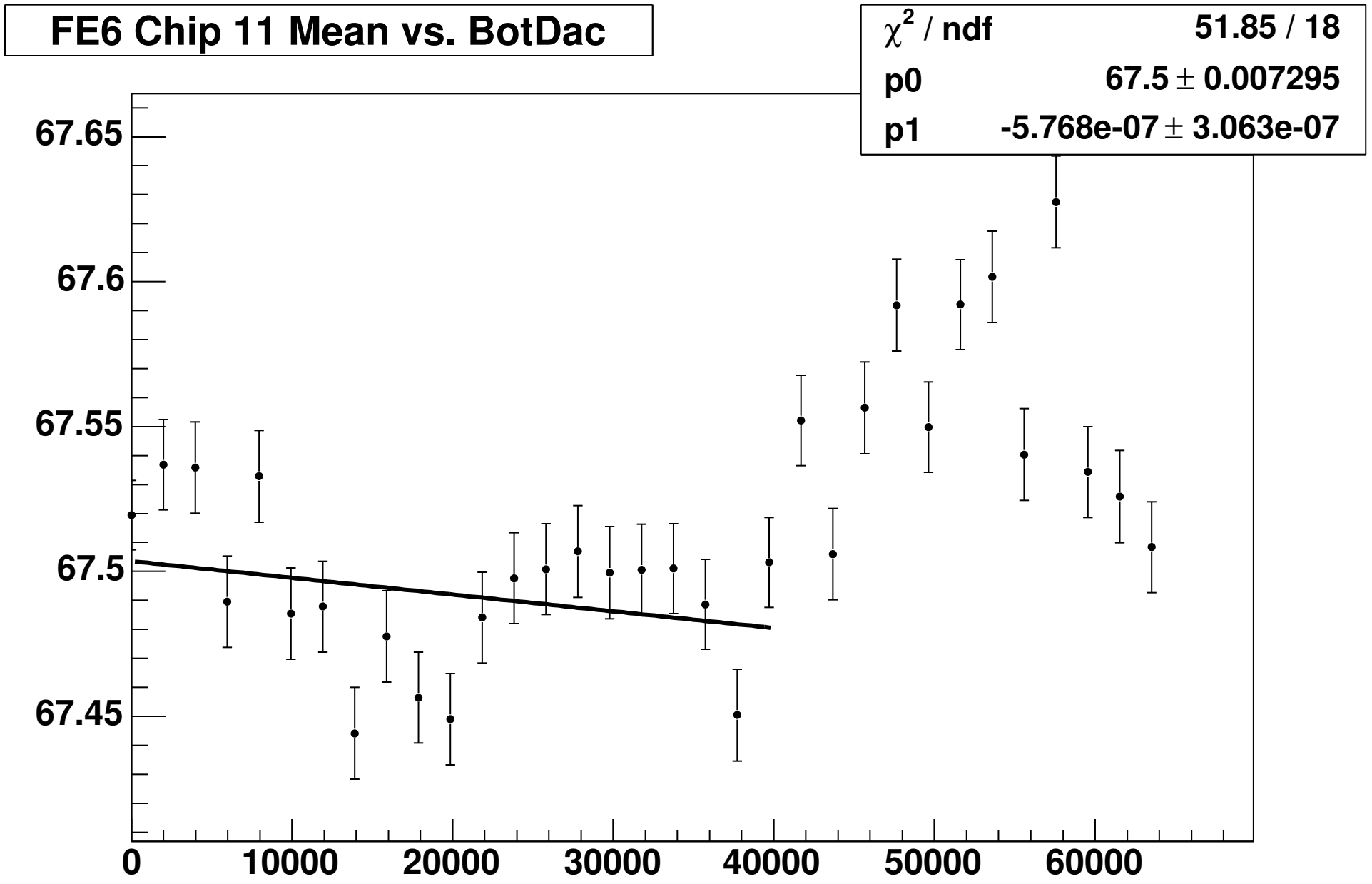
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 51.85 / 18
p0 67.5 ± 0.007295
p1 -5.768e-07 ± 3.063e-07
67.65
67.6
67.55
67.5
67.45
0
10000
20000
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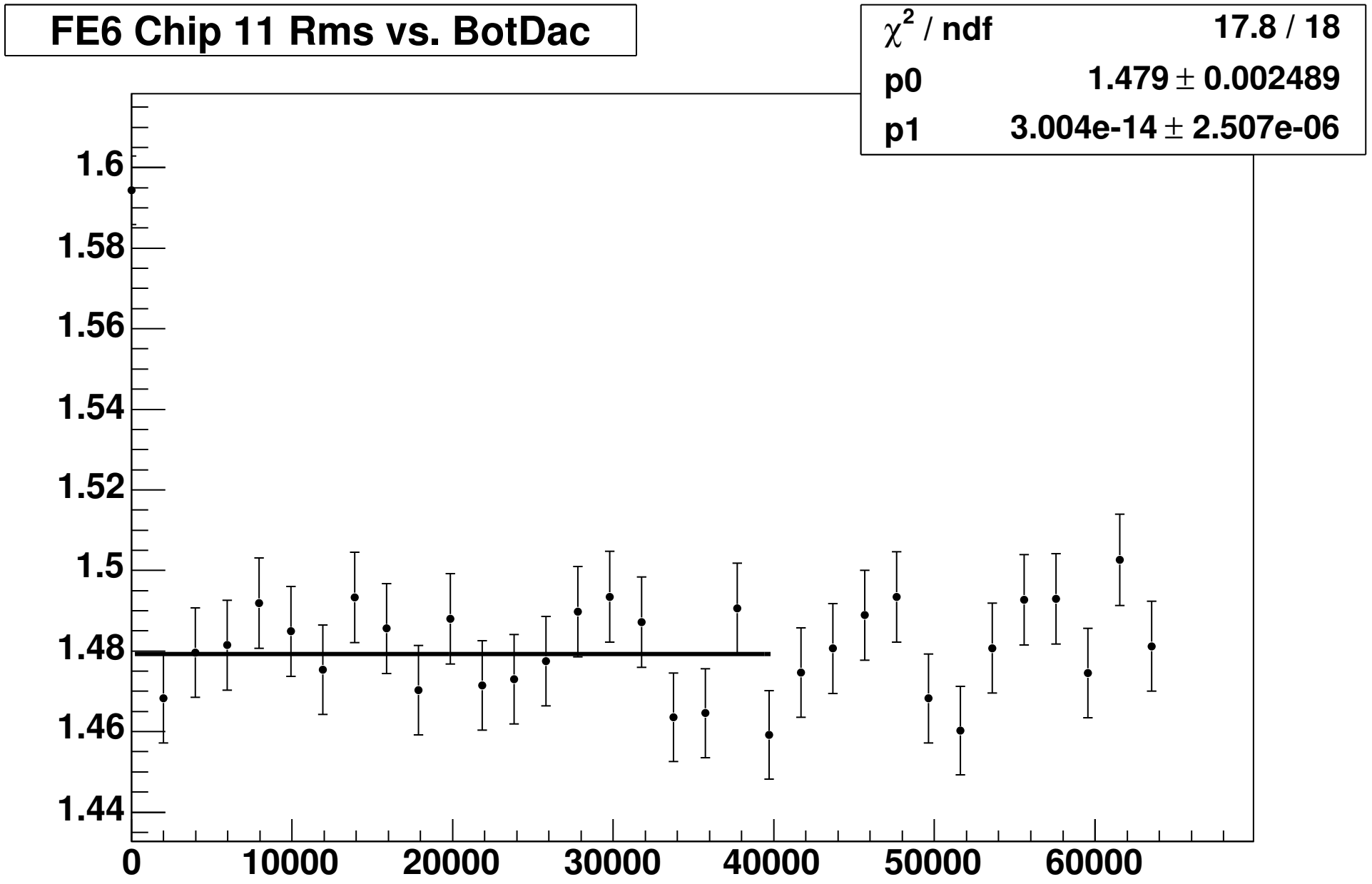
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 17.8 / 18
p0 1.479 ± 0.002489
p1 3.004e-14 ± 2.507e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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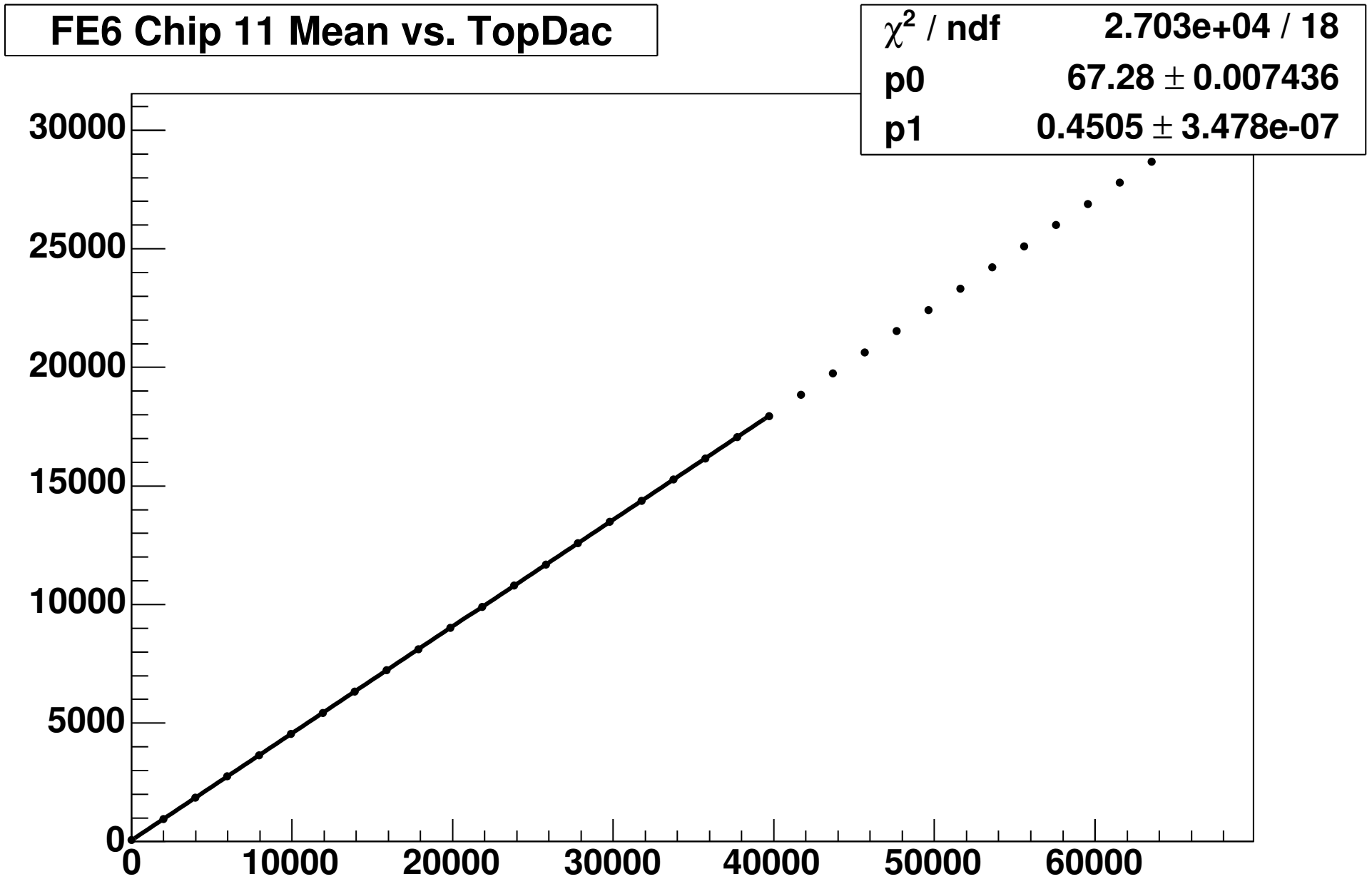
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 2.703e+04 / 18
p0 67.28 ± 0.007436
p1 0.4505 ± 3.478e-07
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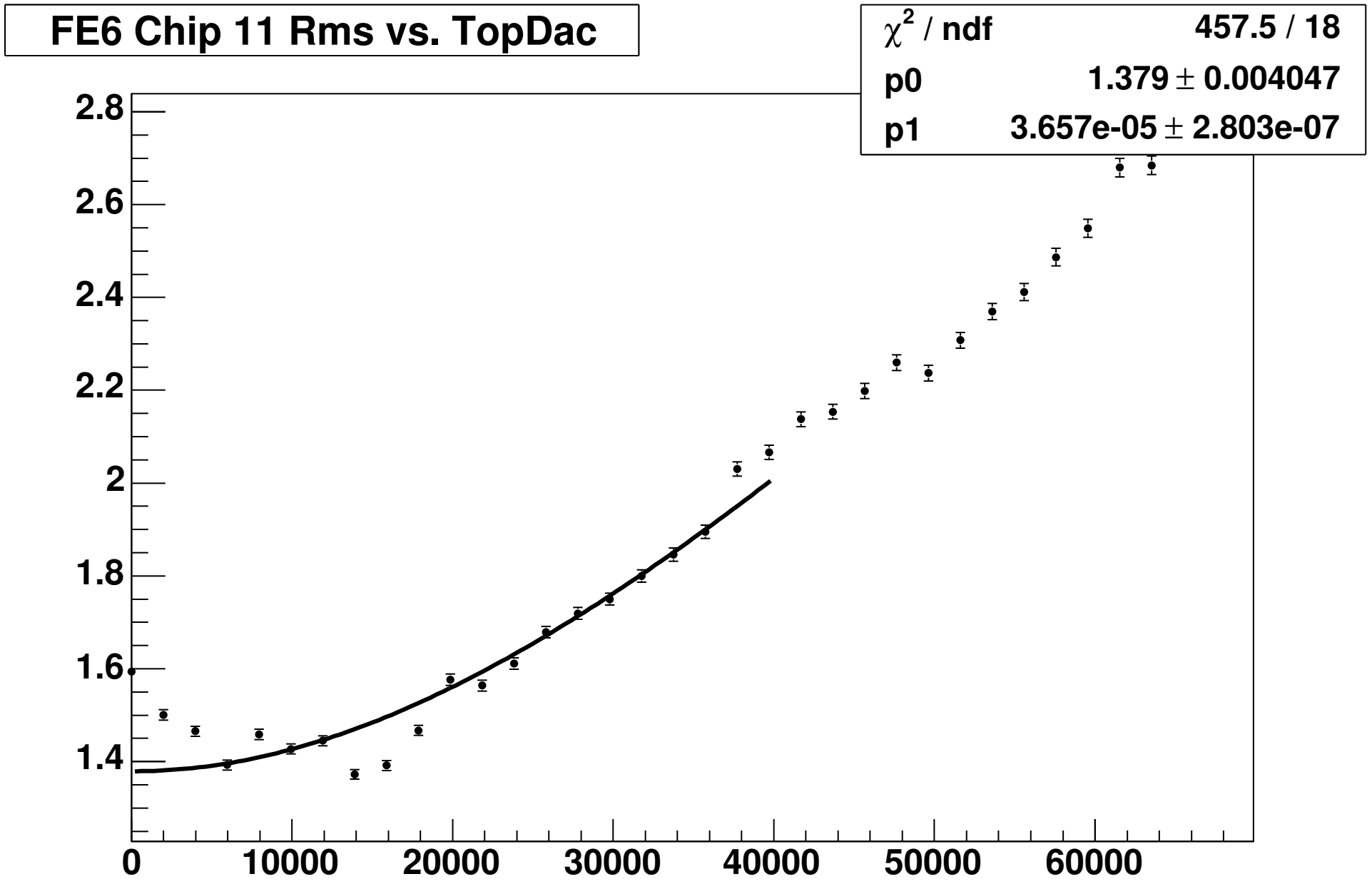
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 457.5 / 18
p0 1.379 ± 0.004047
p1 3.657e-05 ± 2.803e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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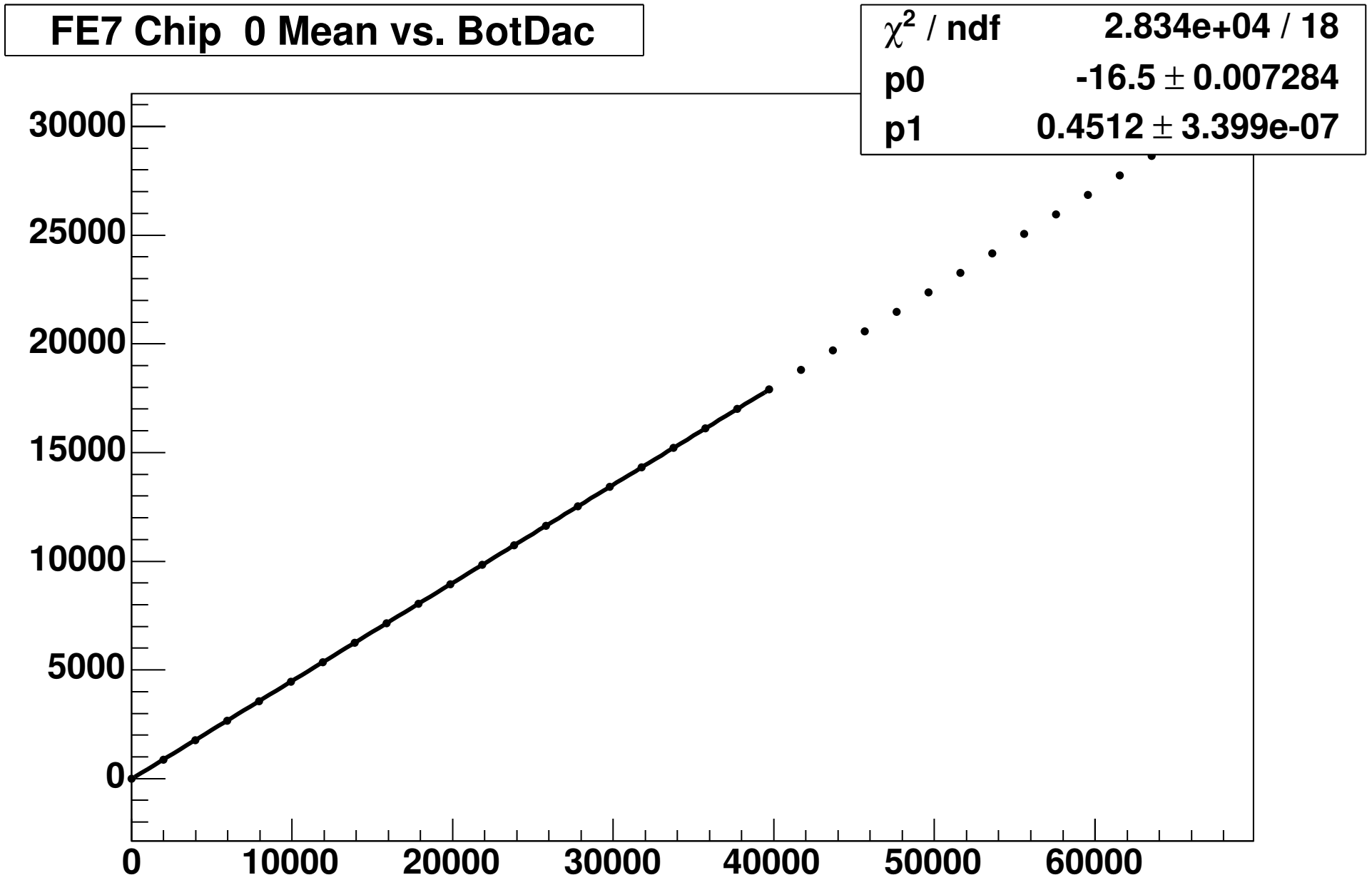
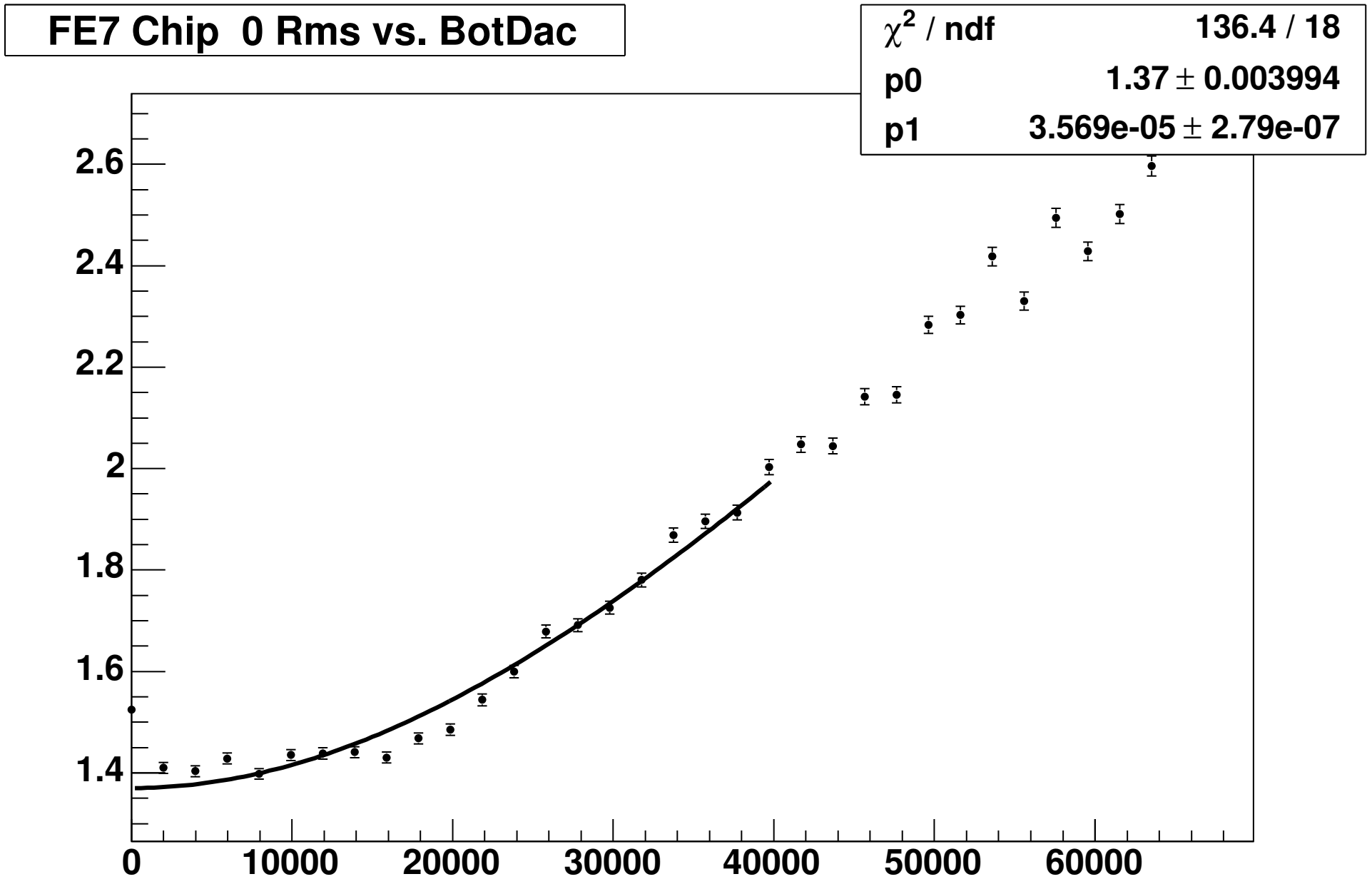
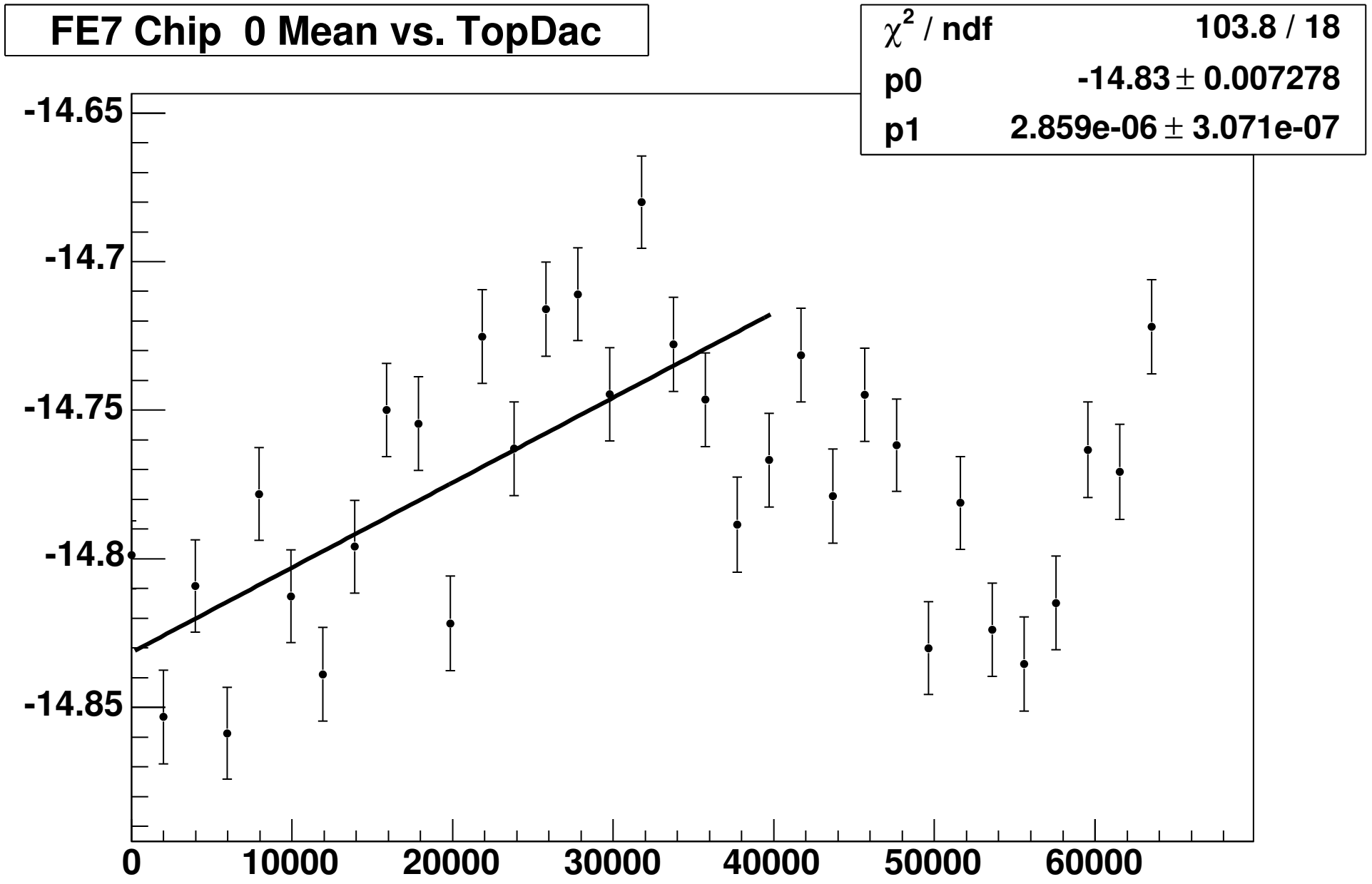

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 2.834e+04 / 18
p0 -16.5 ± 0.007284
p1 0.4512 ± 3.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 136.4 / 18
p0 1.37 ± 0.003994
p1 3.569e-05 ± 2.79e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Mean vs. TopDac
χ^2 / ndf 103.8 / 18
p0 -14.83 ± 0.007278
p1 2.859e-06 ± 3.071e-07
-14.65
-14.7
-14.75
-14.8
-14.85
0
10000
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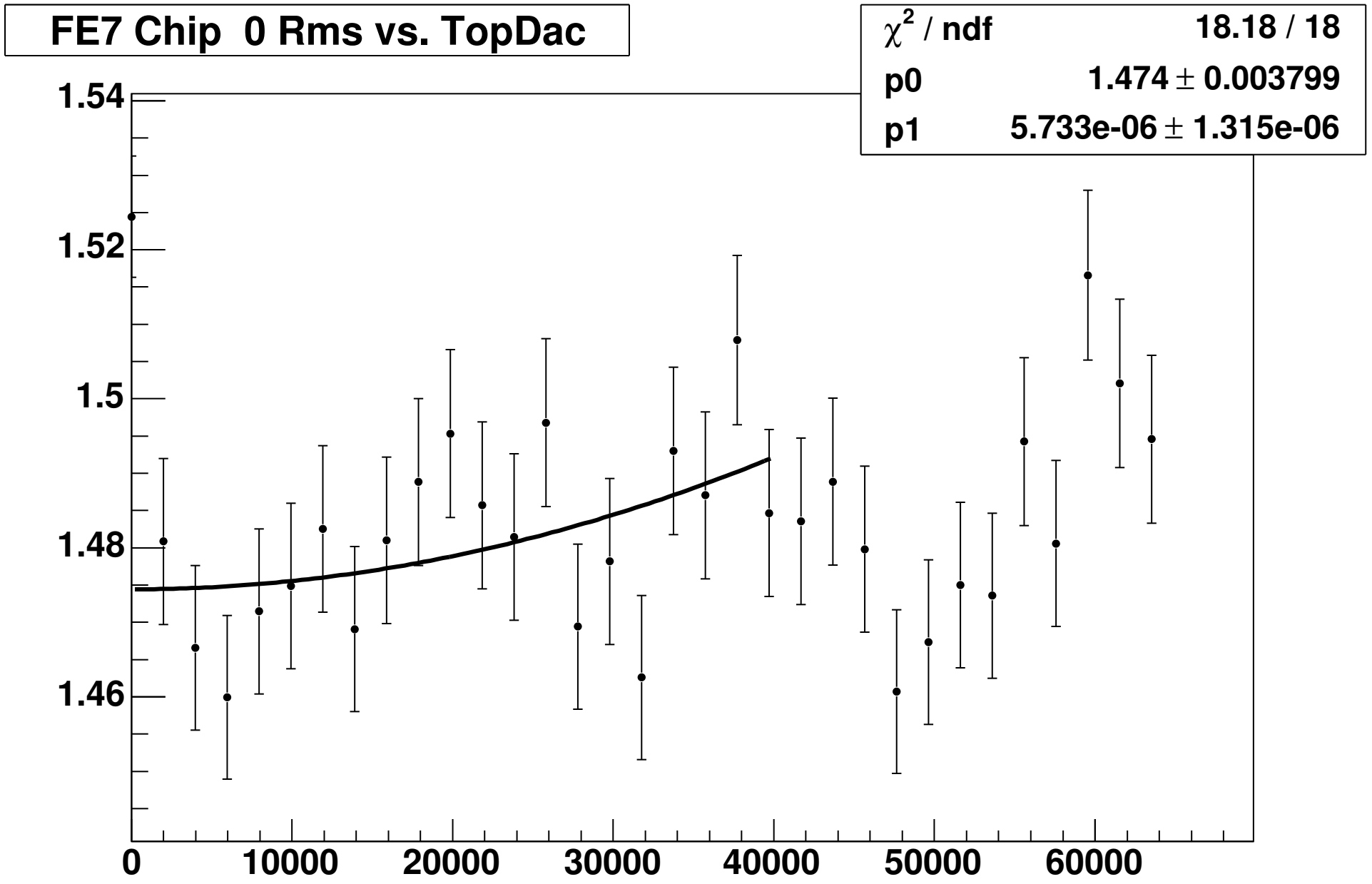
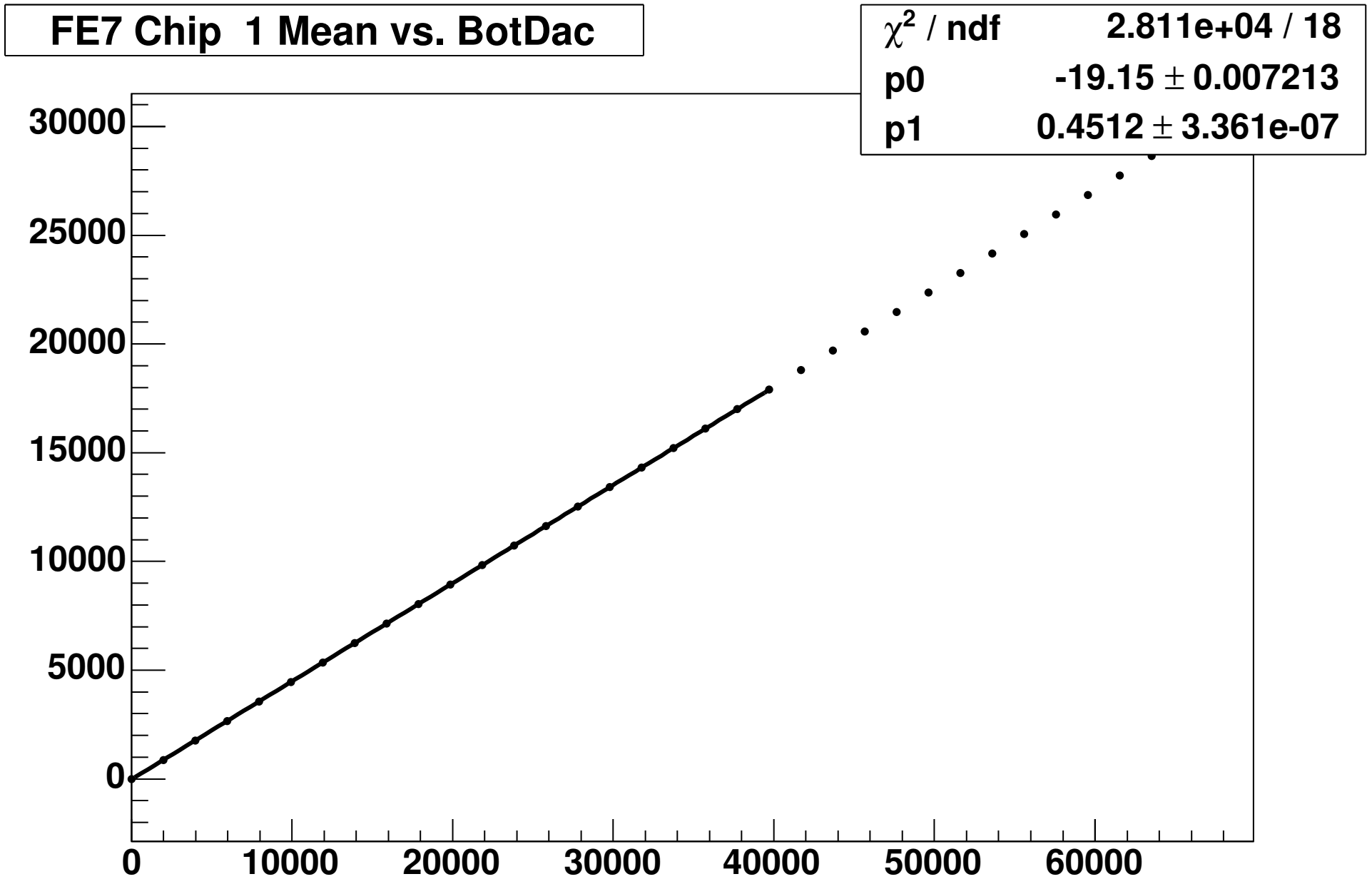
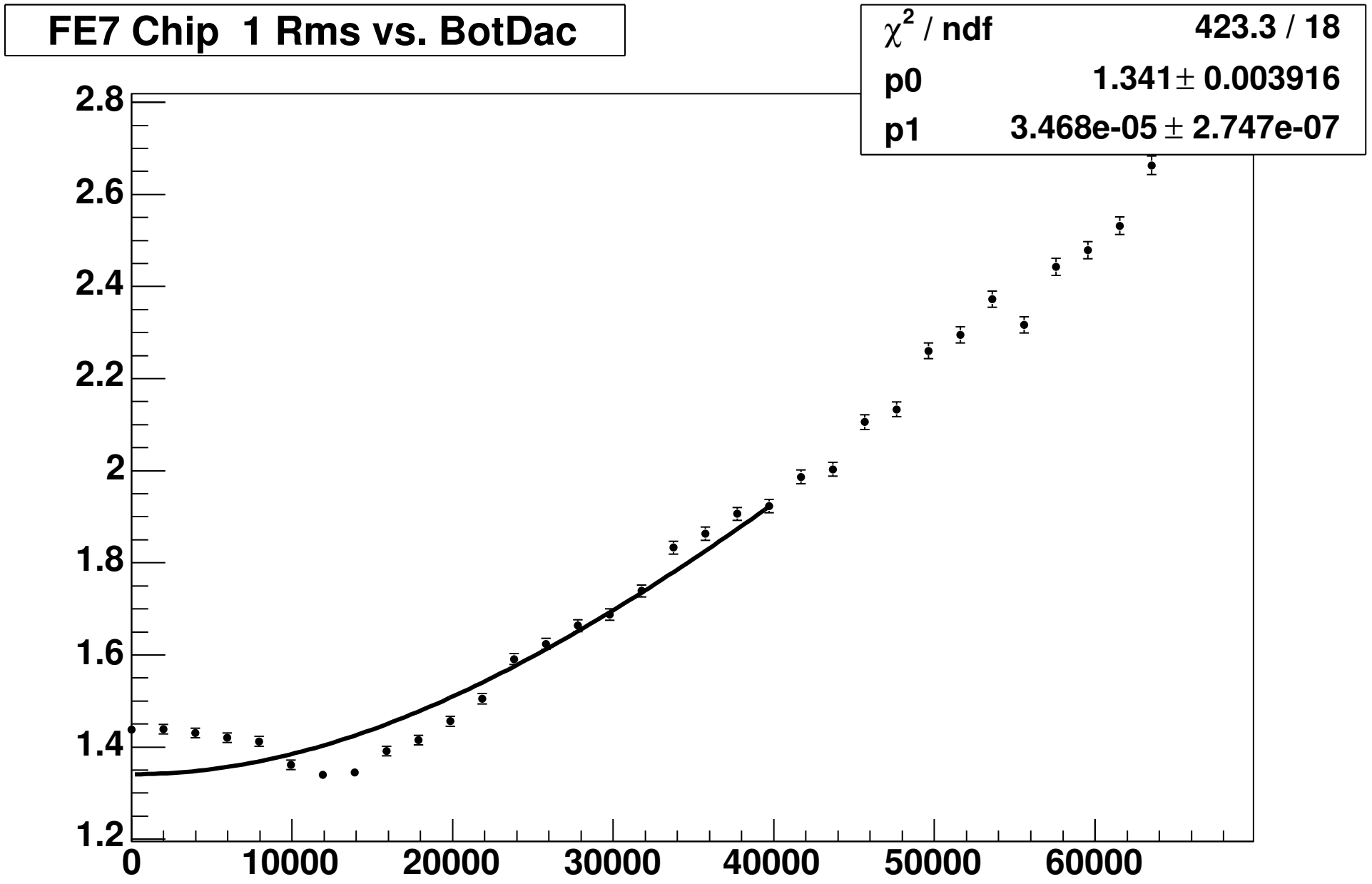
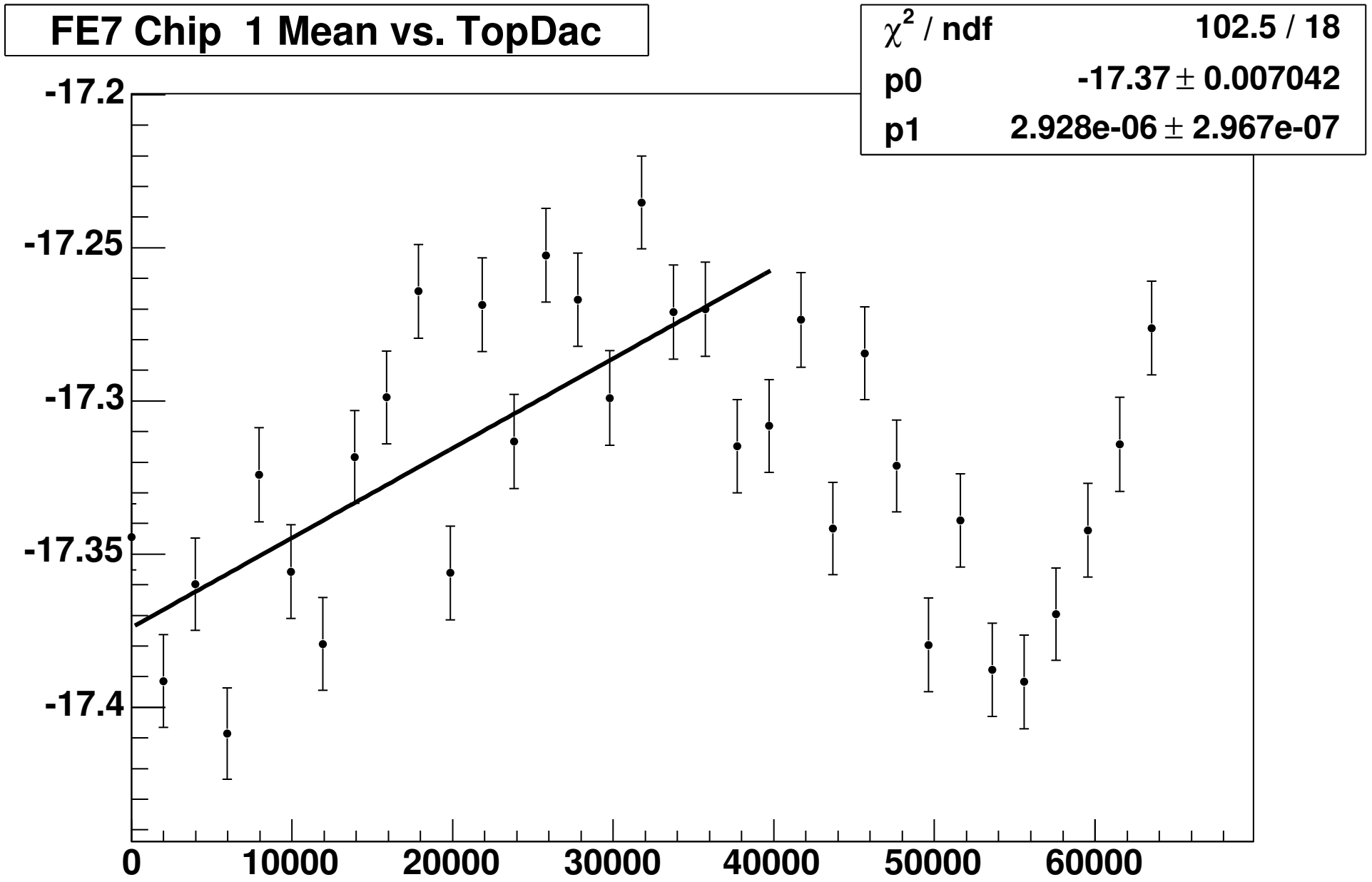

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 18.18 / 18
p0 1.474 ± 0.003799
p1 5.733e-06 ± 1.315e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 2.811e+04 / 18
p0 -19.15 ± 0.007213
p1 0.4512 ± 3.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 423.3 / 18
p0 1.341 ± 0.003916
p1 3.468e-05 ± 2.747e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 102.5 / 18
p0 -17.37 ± 0.007042
p1 2.928e-06 ± 2.967e-07
-17.2
-17.25
-17.3
-17.35
-17.4
0
10000
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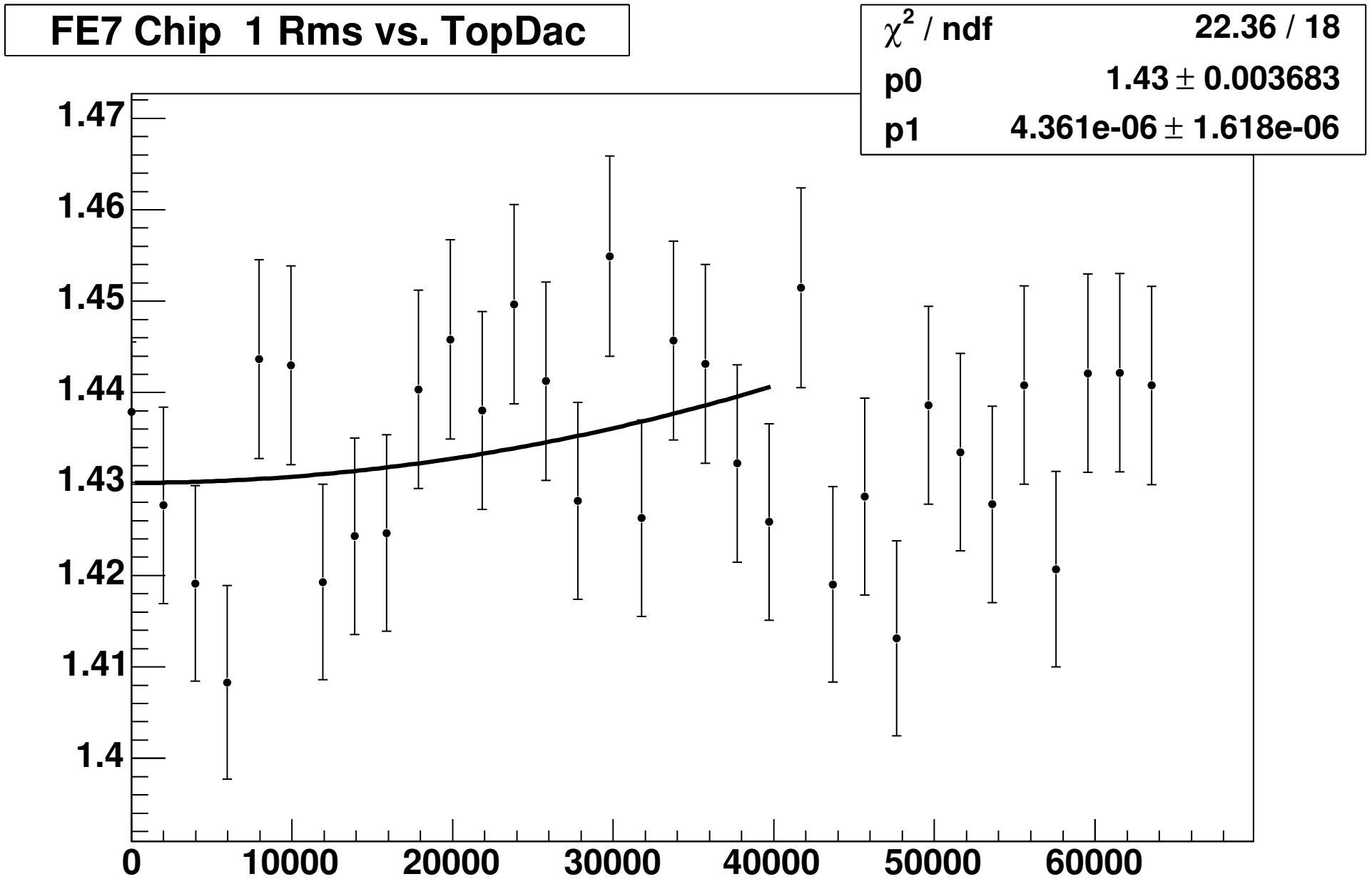
30000
40000
50000
60000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 22.36 / 18
p0 1.43 ± 0.003683
p1 4.361e-06 ± 1.618e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
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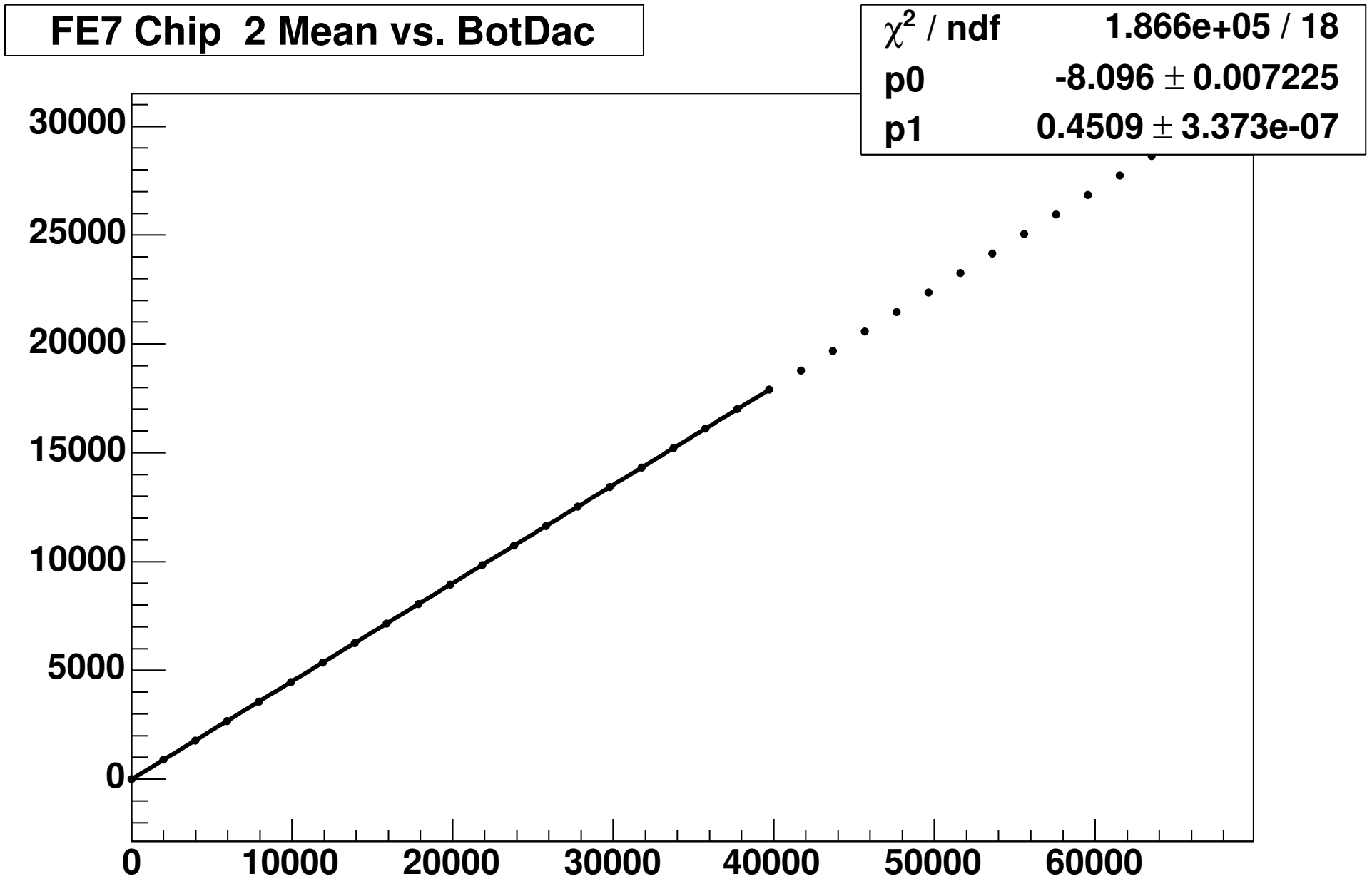
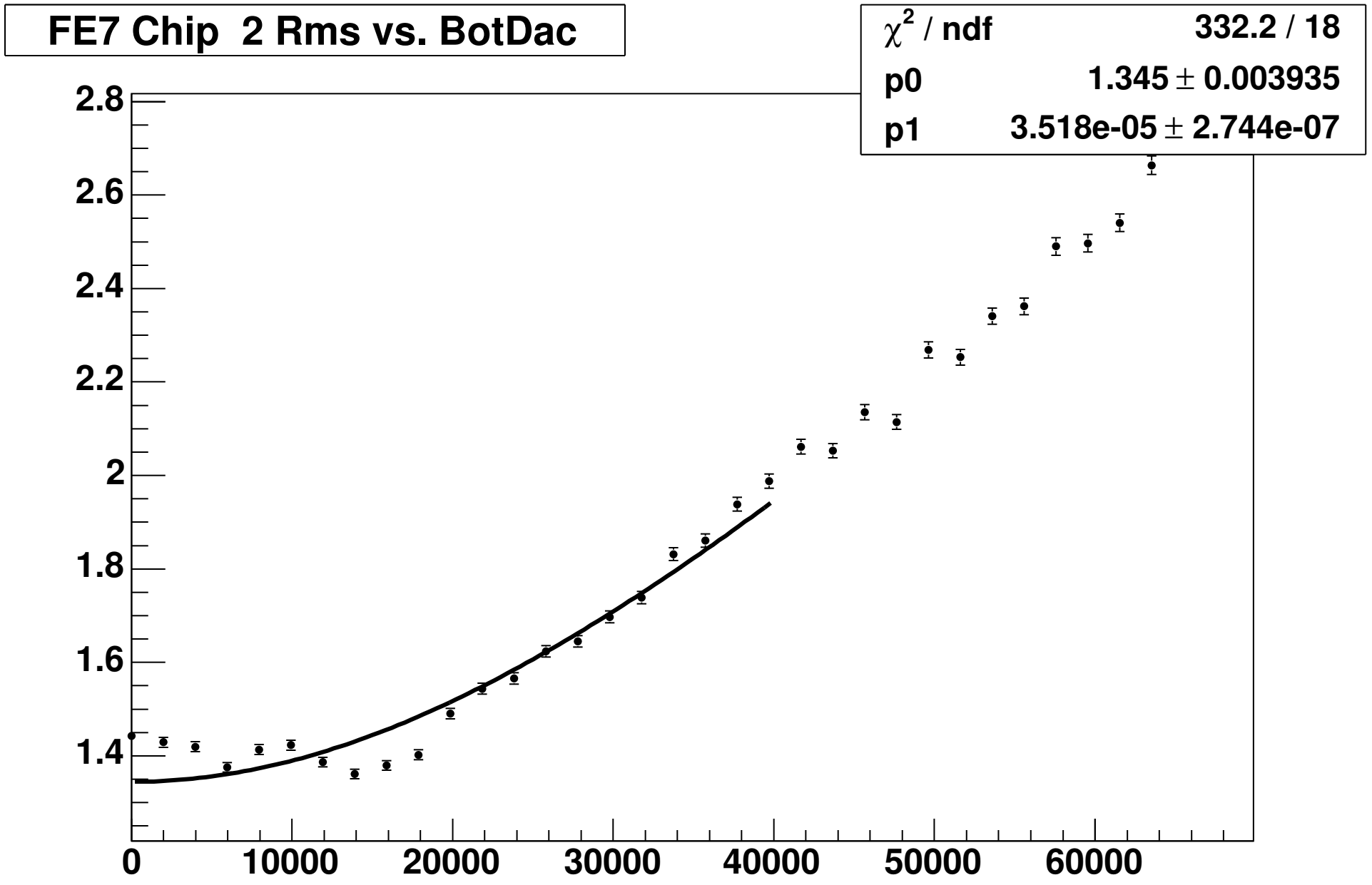
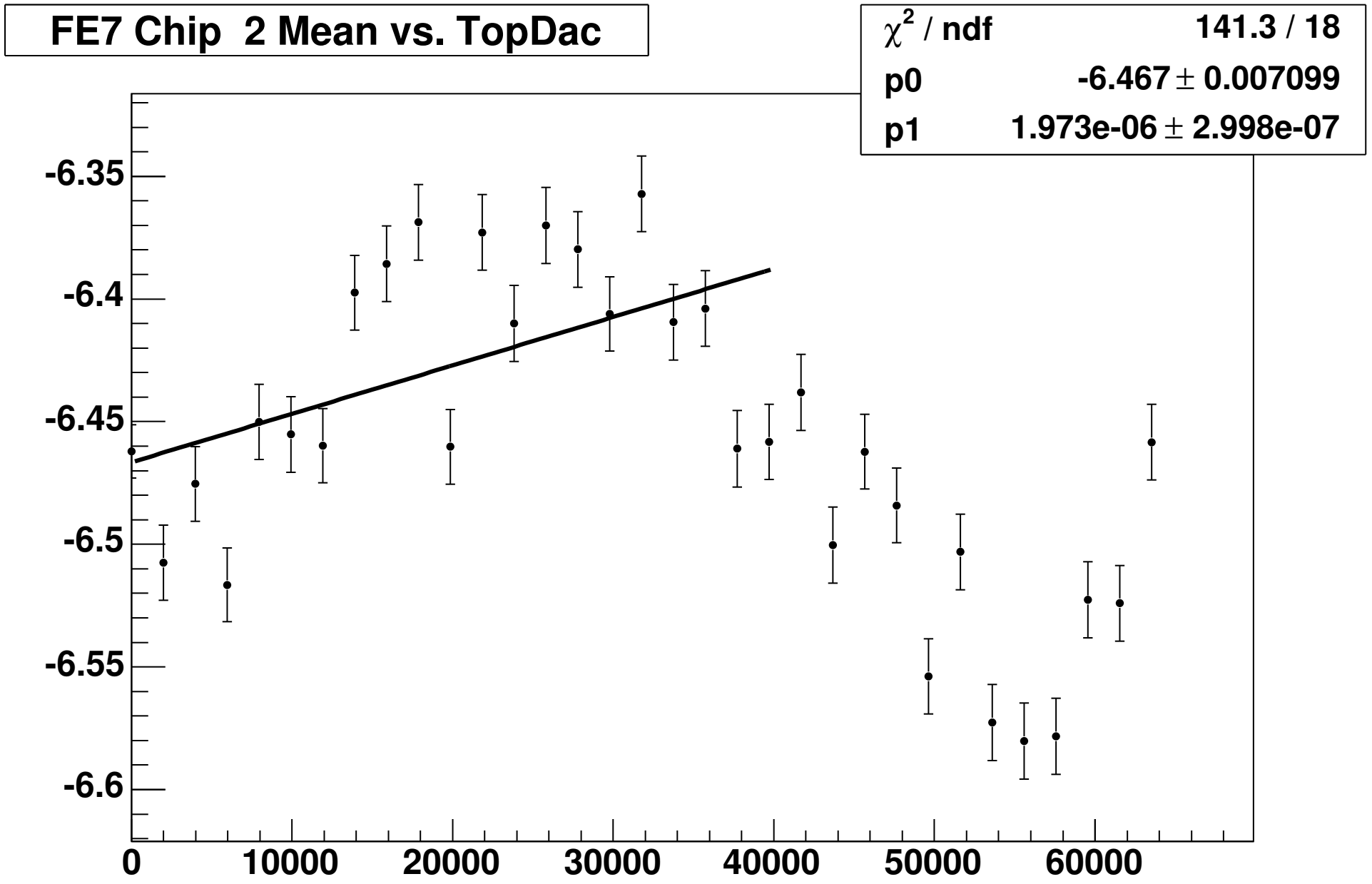
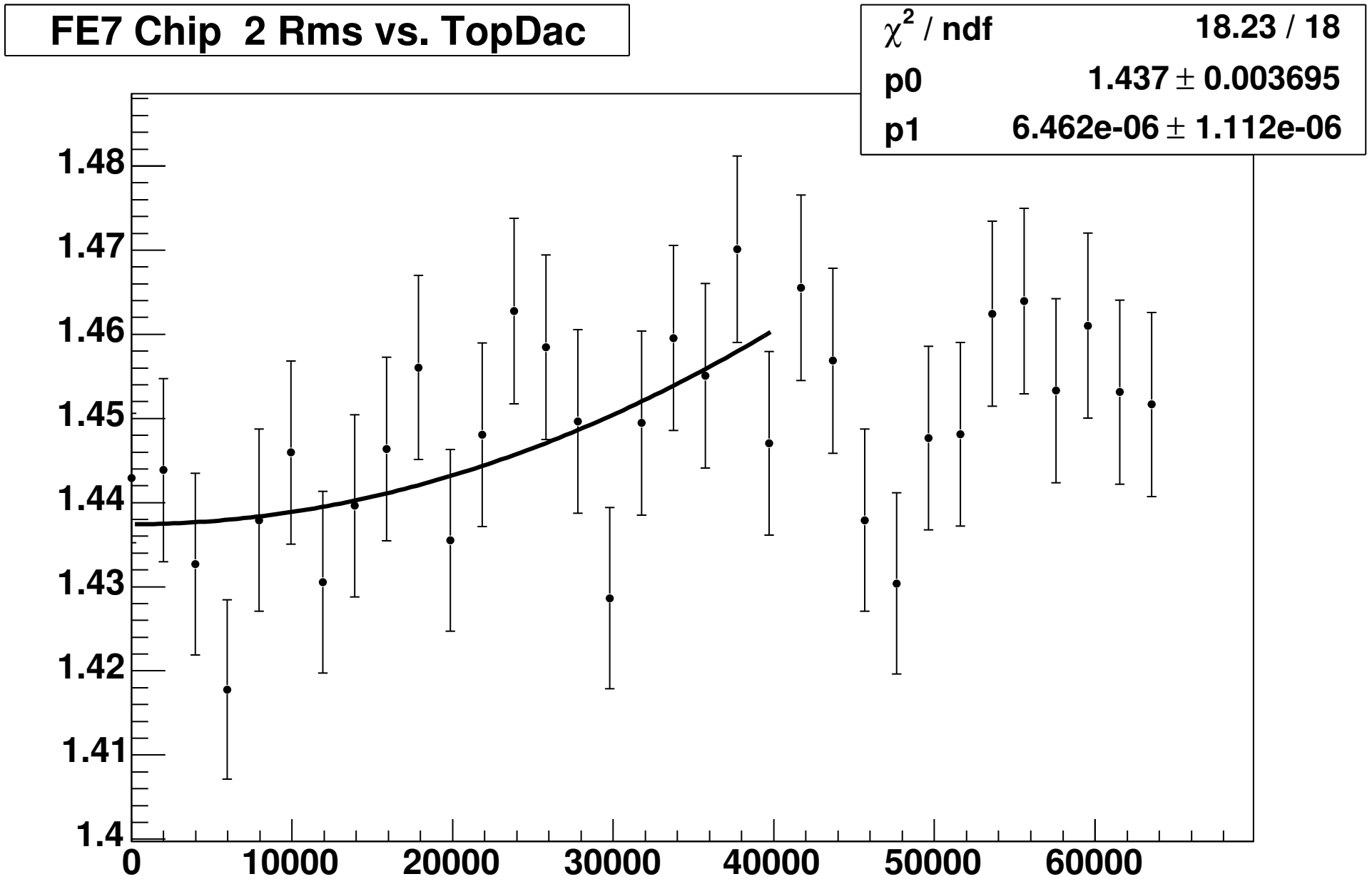
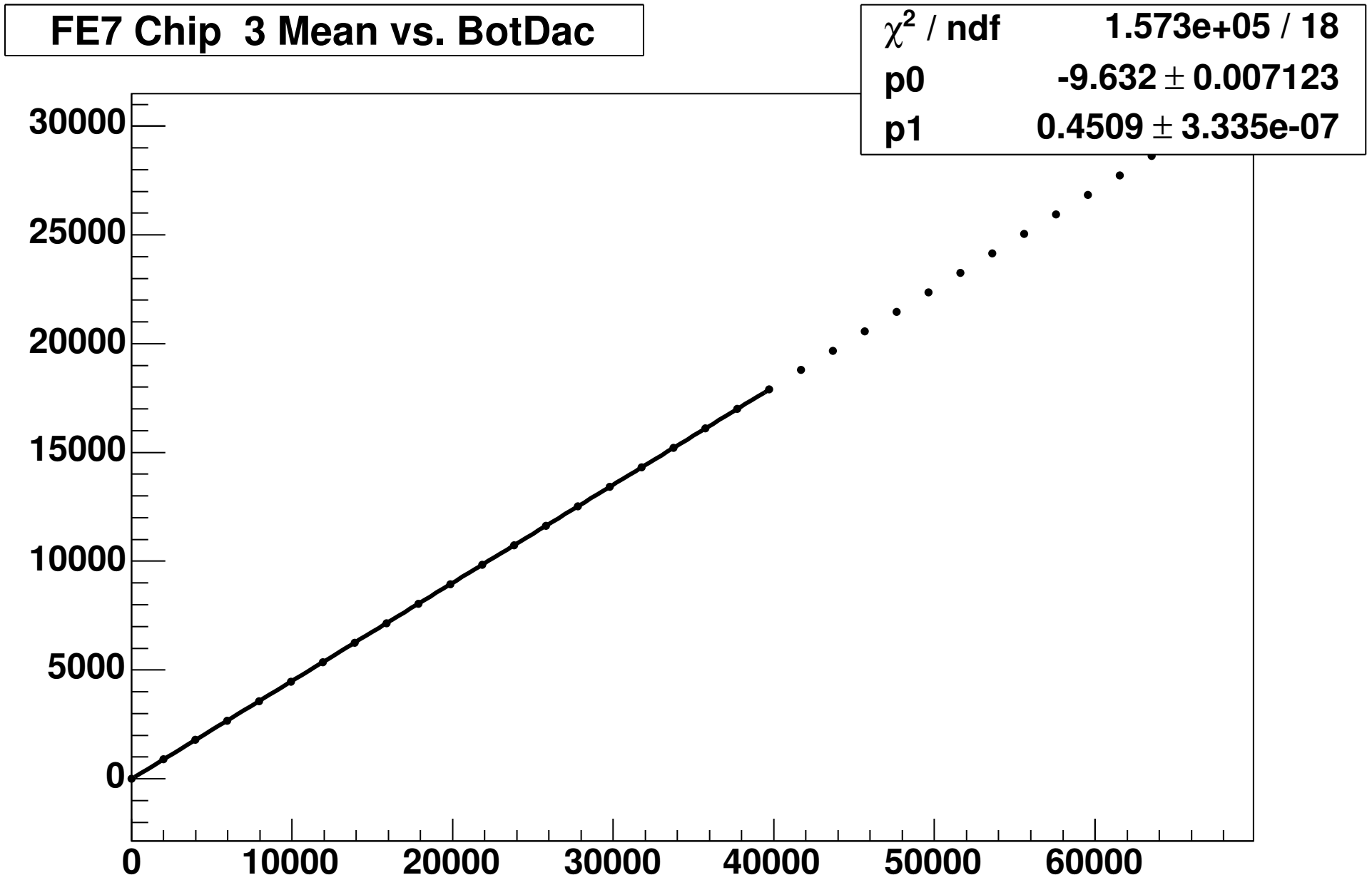
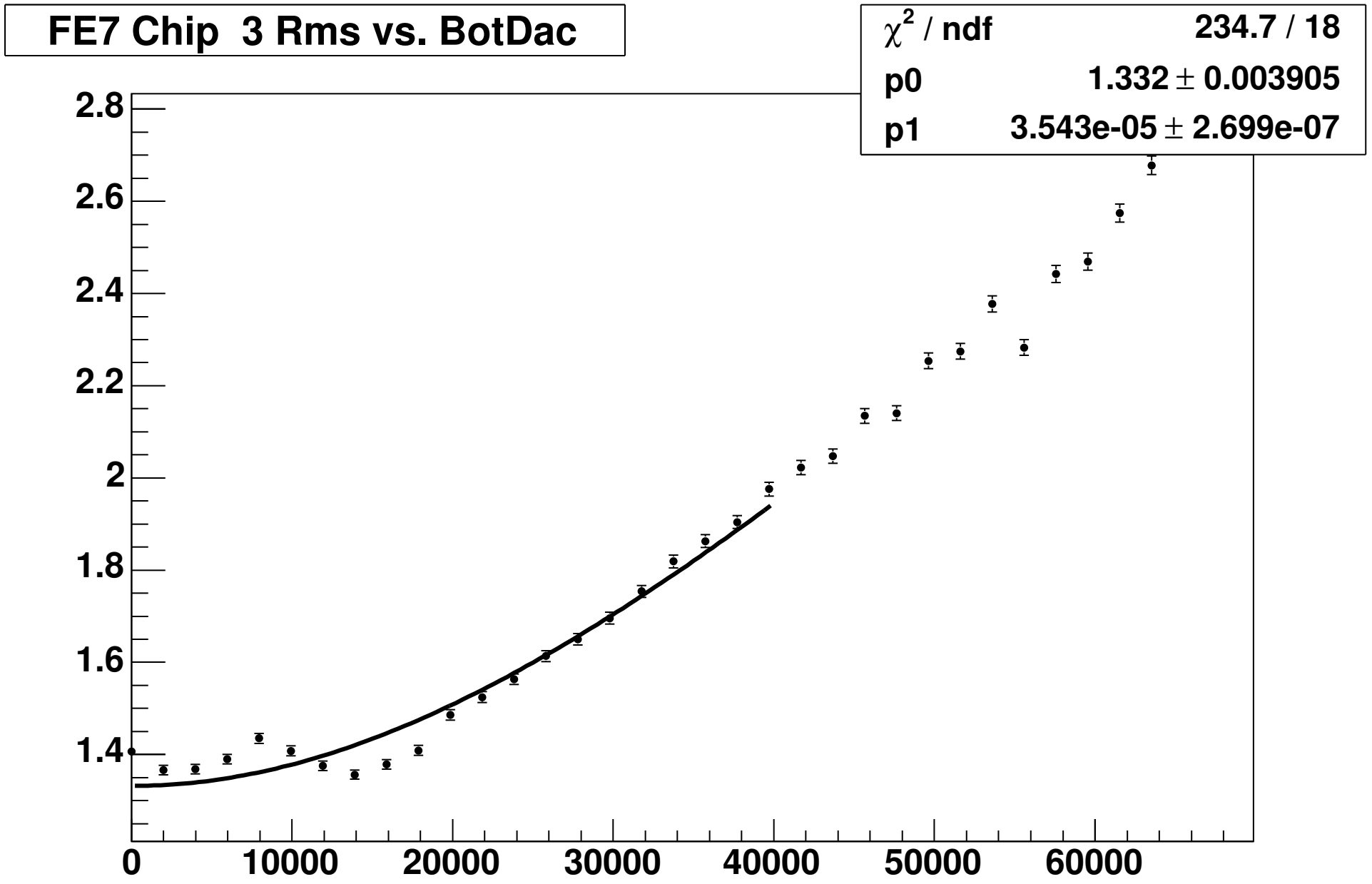

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.866e+05 / 18
p0 -8.096 ± 0.007225
p1 0.4509 ± 3.373e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 332.2 / 18
p0 1.345 ± 0.003935
p1 3.518e-05 ± 2.744e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Mean vs. TopDac
χ^2 / ndf 141.3 / 18
p0 -6.467 ± 0.007099
p1 1.973e-06 ± 2.998e-07
-6.35
-6.4
-6.45
-6.5
-6.55
-6.6
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 18.23 / 18
p0 1.437 ± 0.003695
p1 6.462e-06 ± 1.112e-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


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.573e+05 / 18
p0 -9.632 ± 0.007123
p1 0.4509 ± 3.335e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 234.7 / 18
p0 1.332 ± 0.003905
p1 3.543e-05 ± 2.699e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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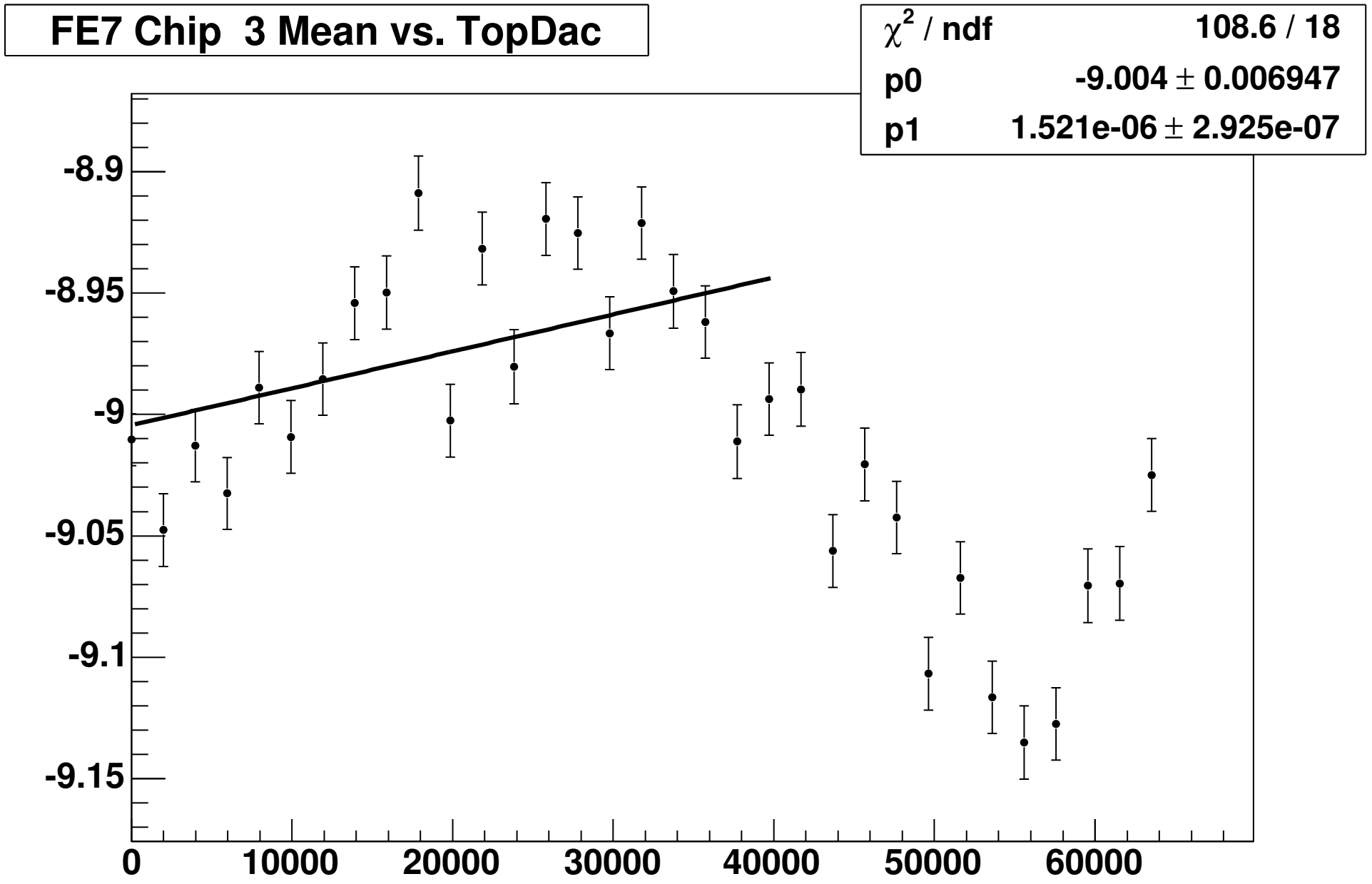
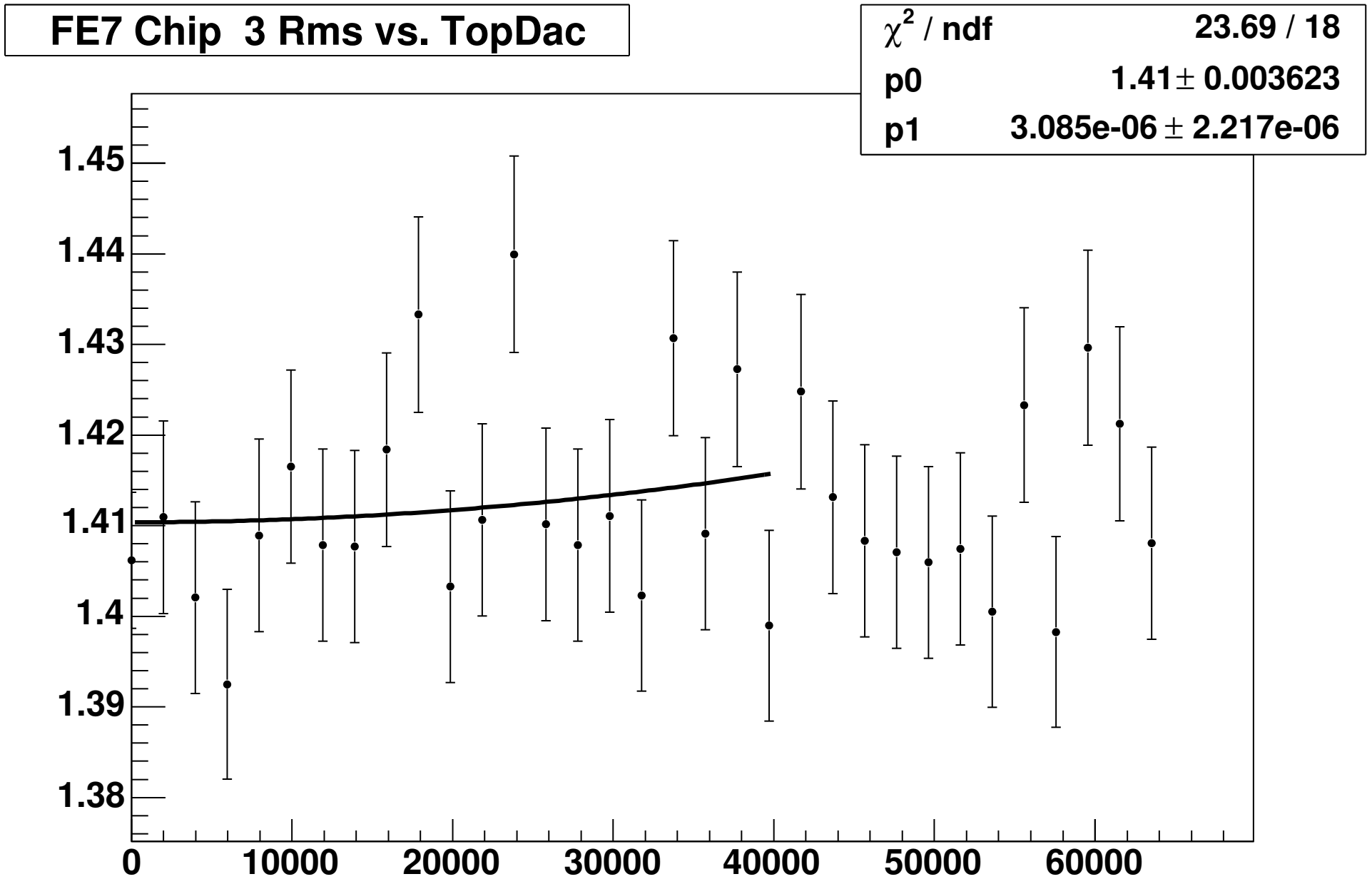
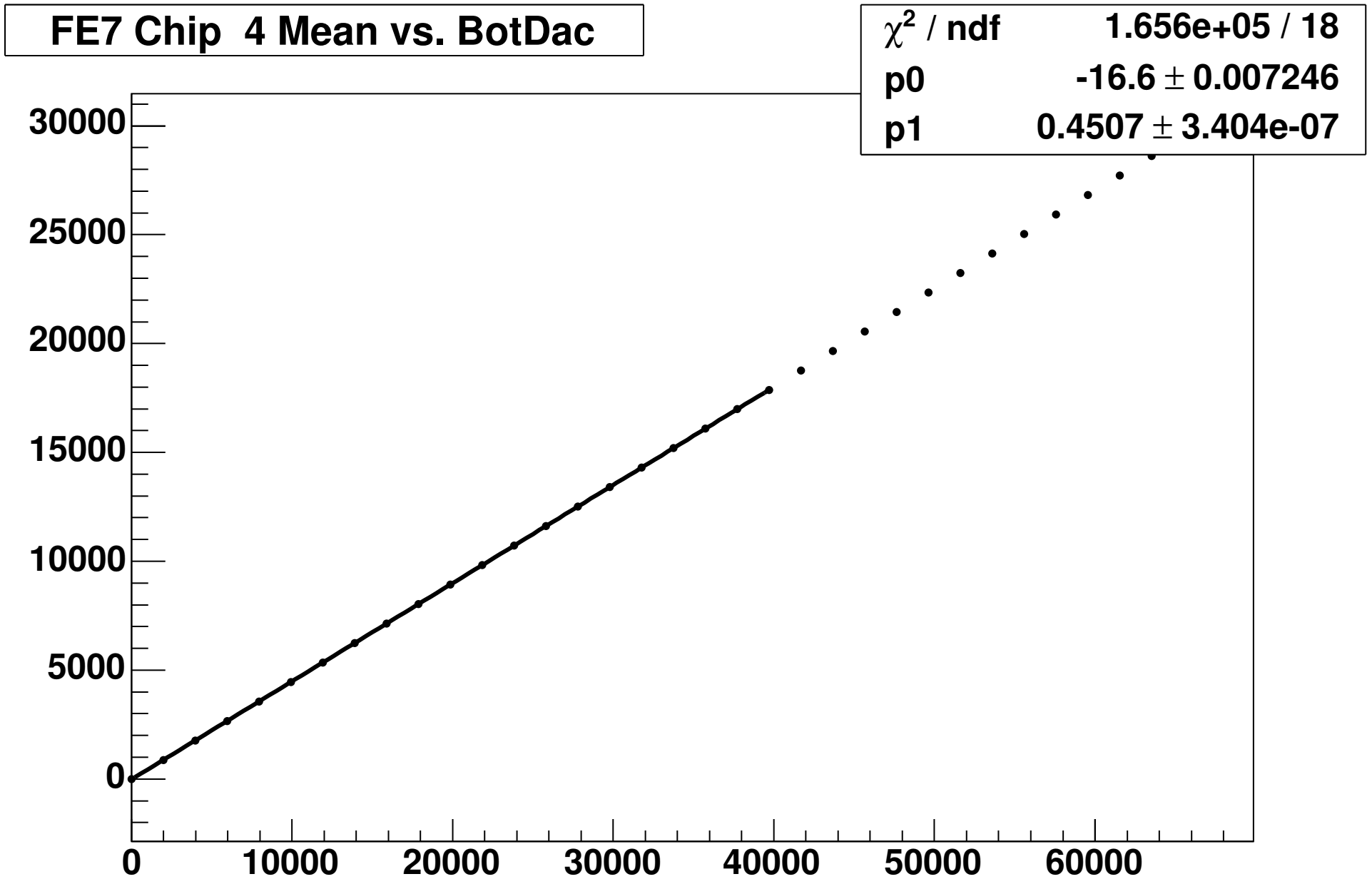
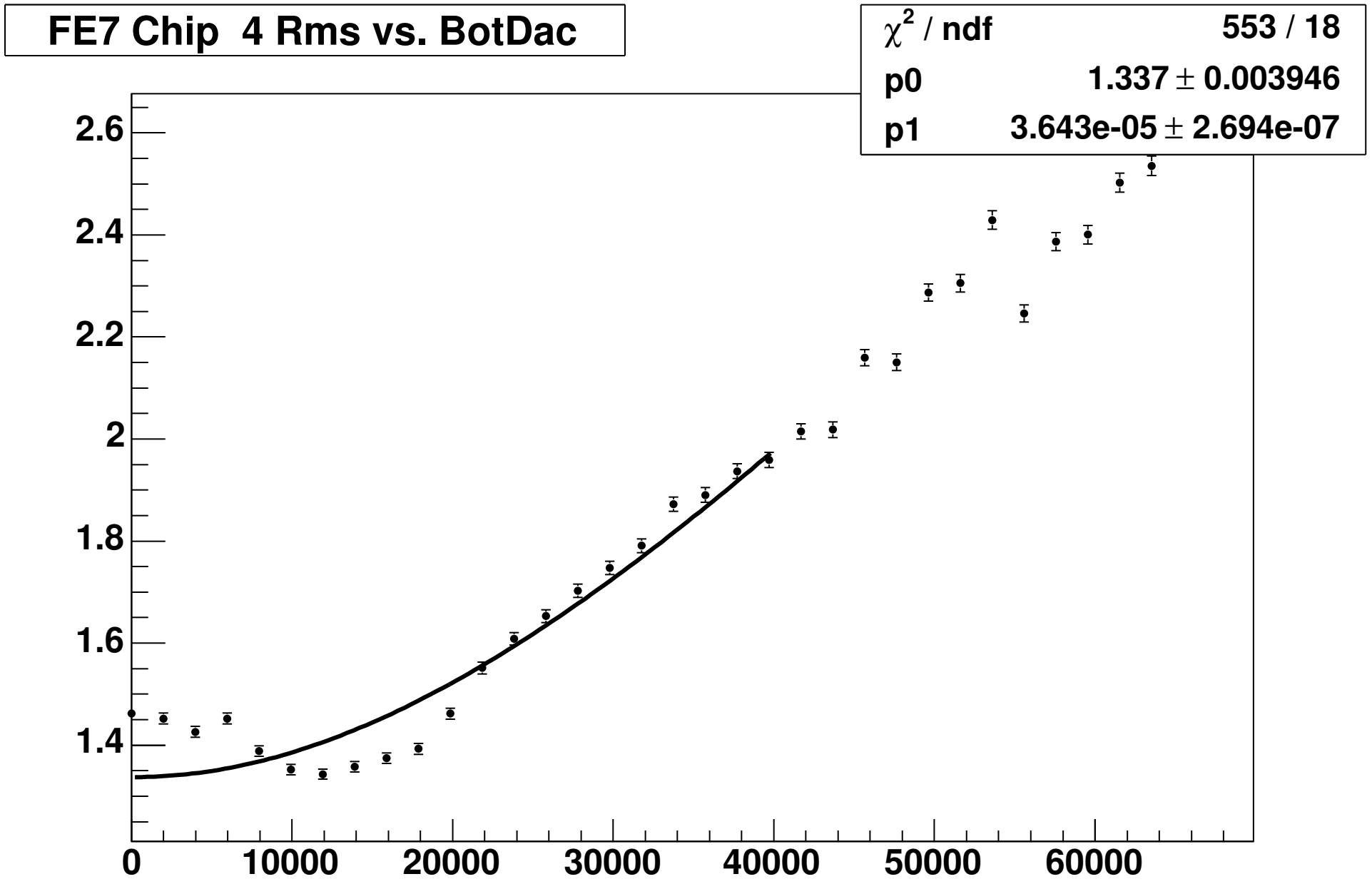
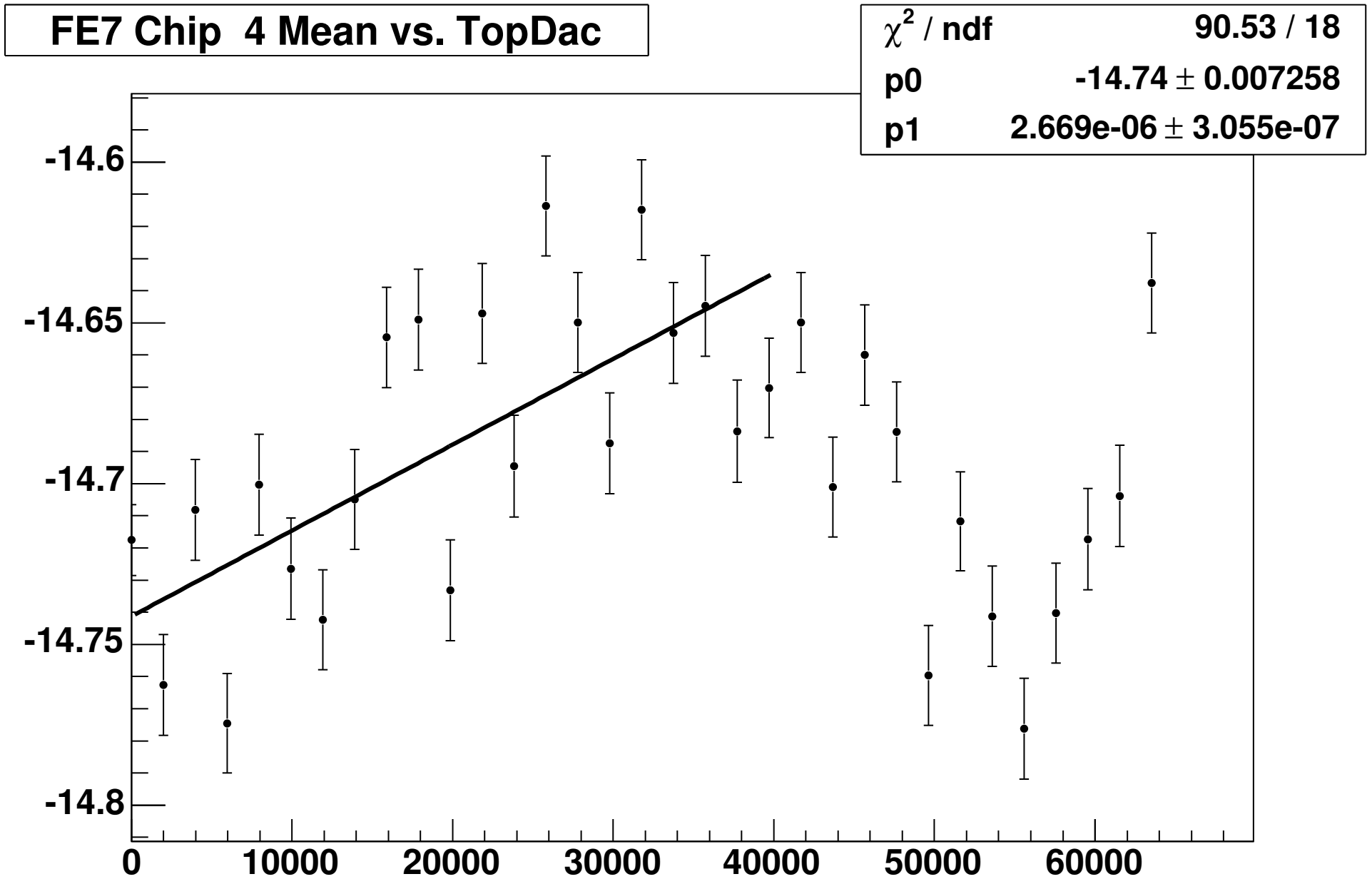
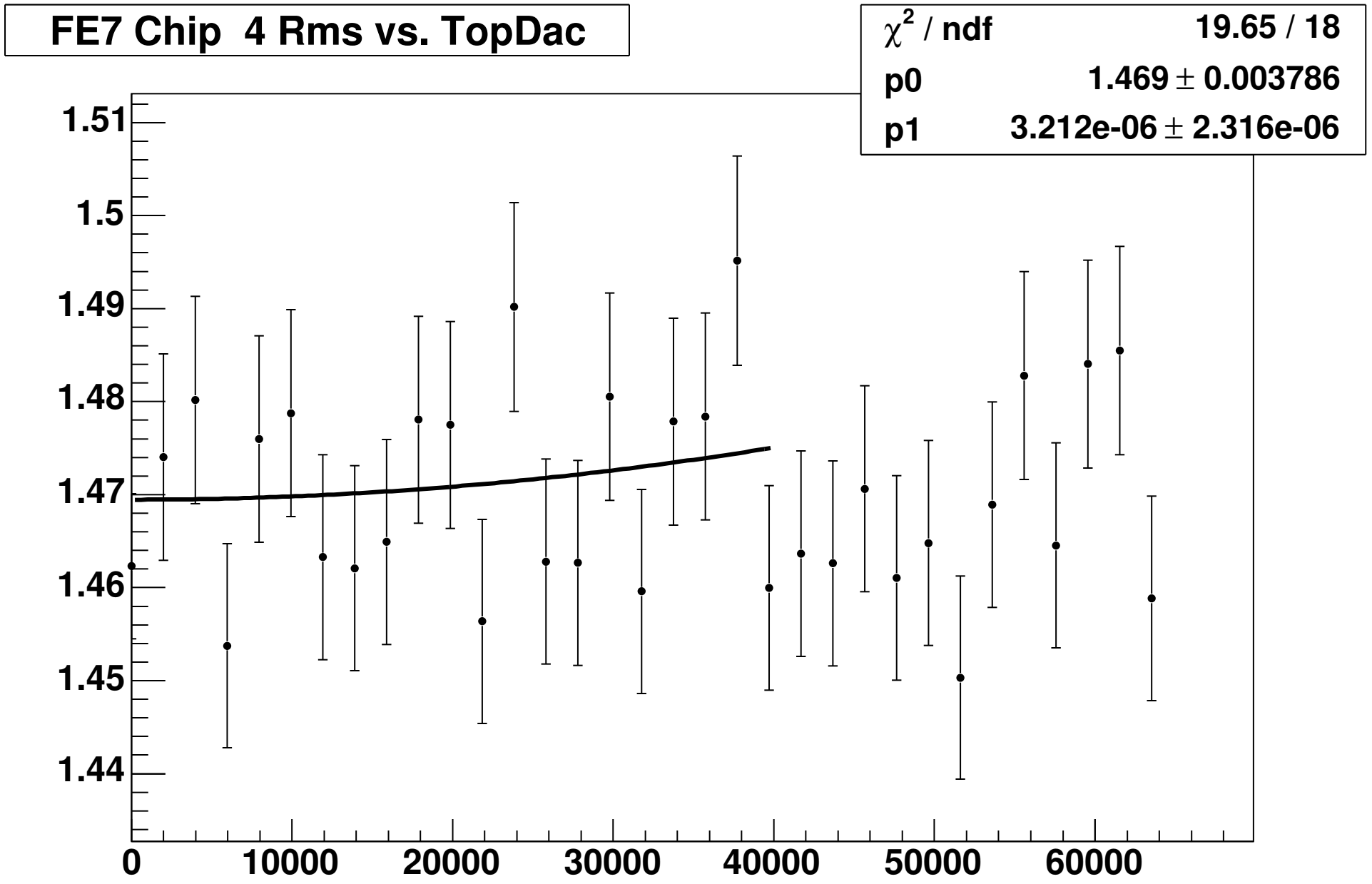

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 108.6 / 18
p0 -9.004 ± 0.006947
p1 1.521e-06 ± 2.925e-07
-8.9
-8.95
-9
-9.05
-9.1
-9.15
0
10000
20000
30000
40000
50000
60000

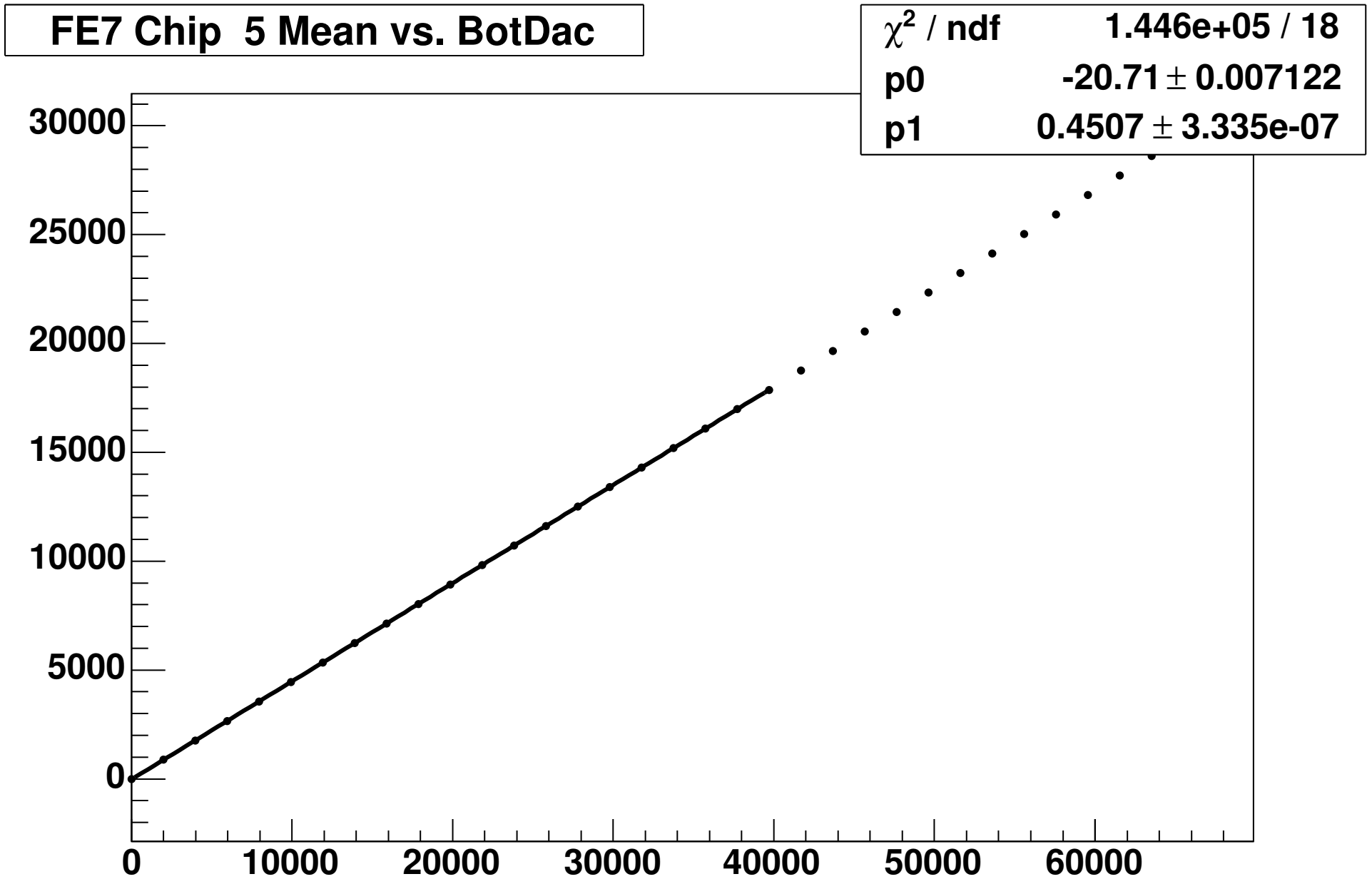

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 23.69 / 18
p0 1.41 ± 0.003623
p1 3.085e-06 ± 2.217e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

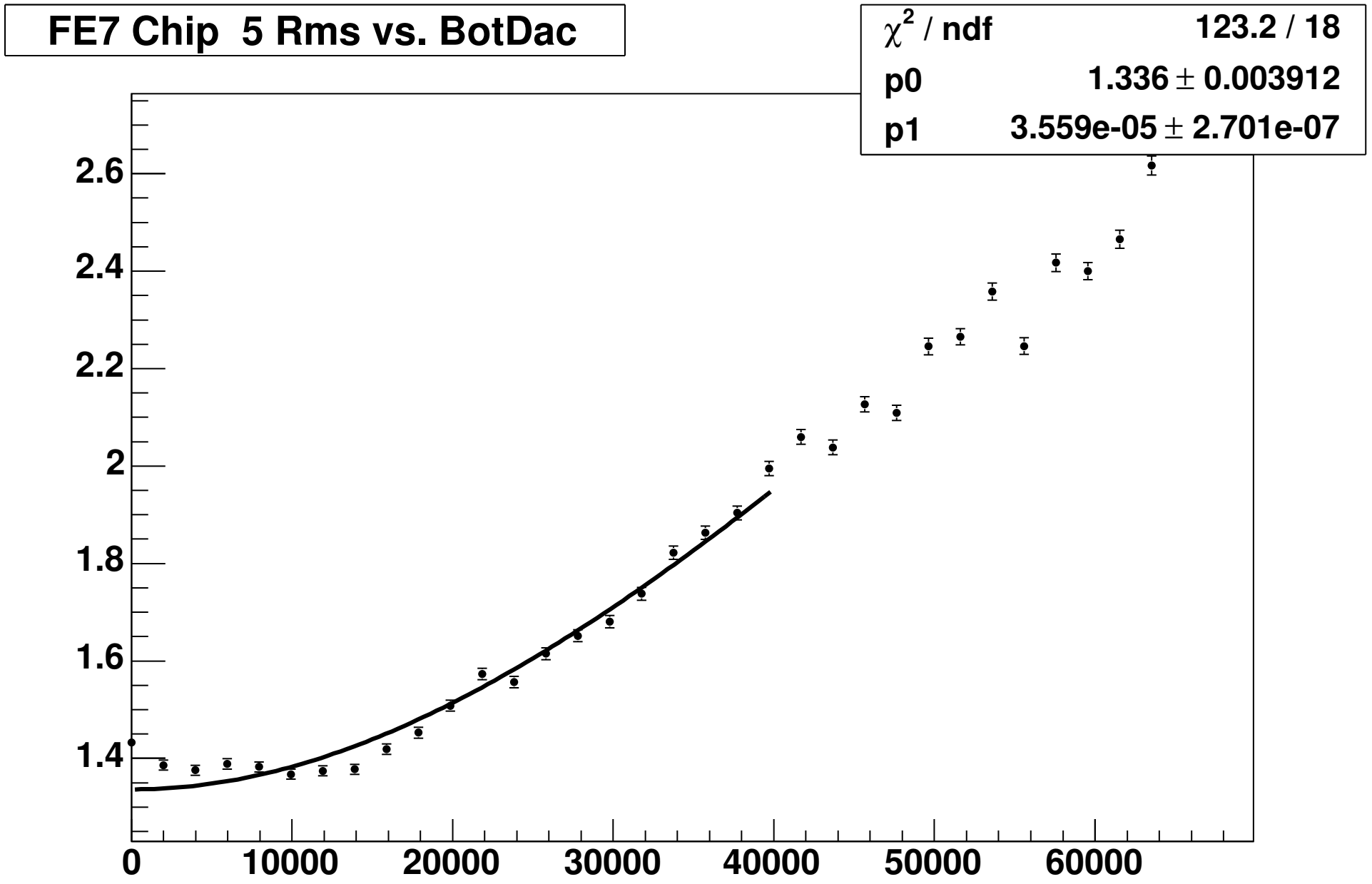

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.656e+05 / 18
p0 -16.6 ± 0.007246
p1 0.4507 ± 3.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

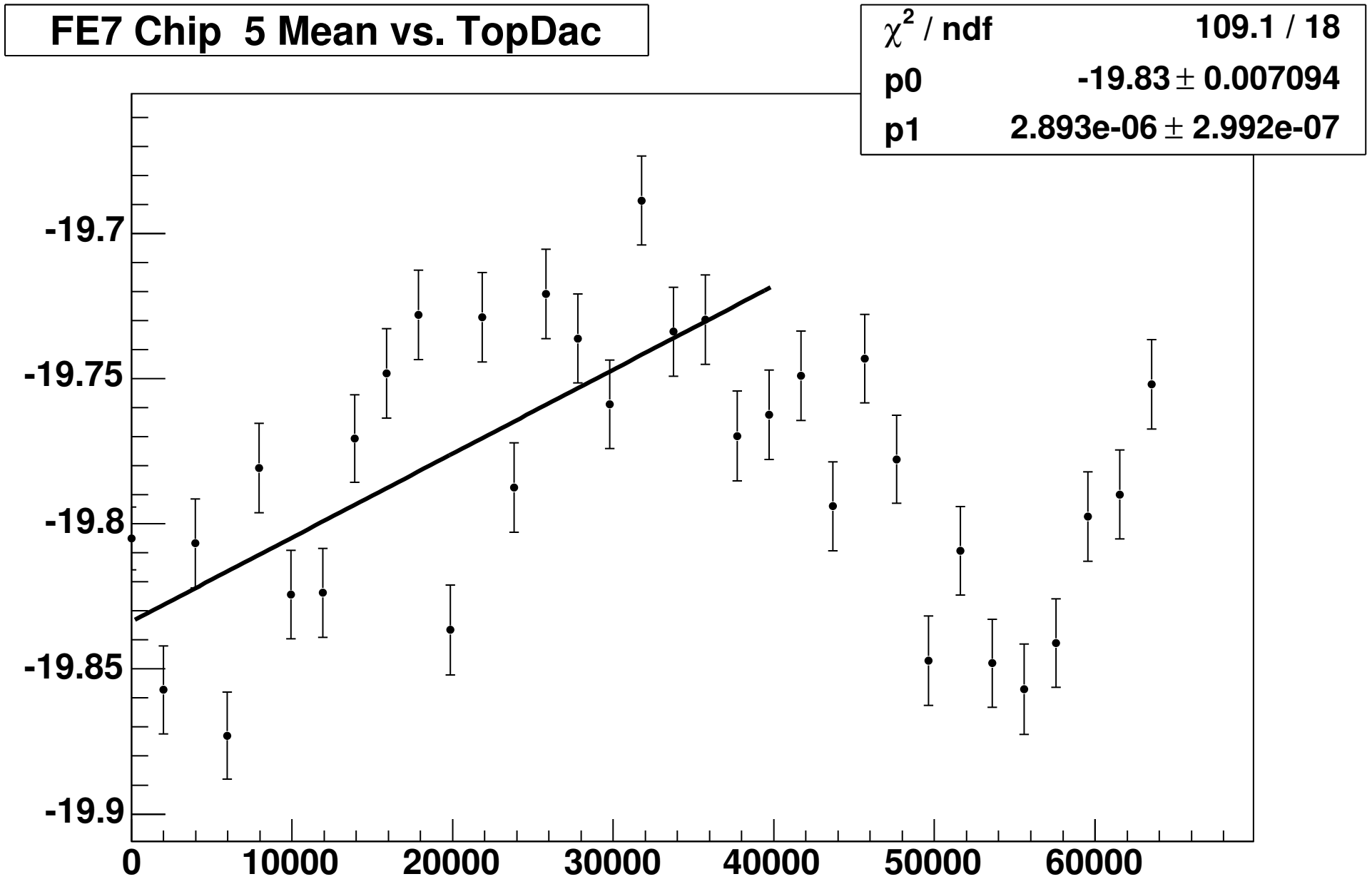

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 553 / 18
p0 1.337 ± 0.003946
p1 3.643e-05 ± 2.694e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

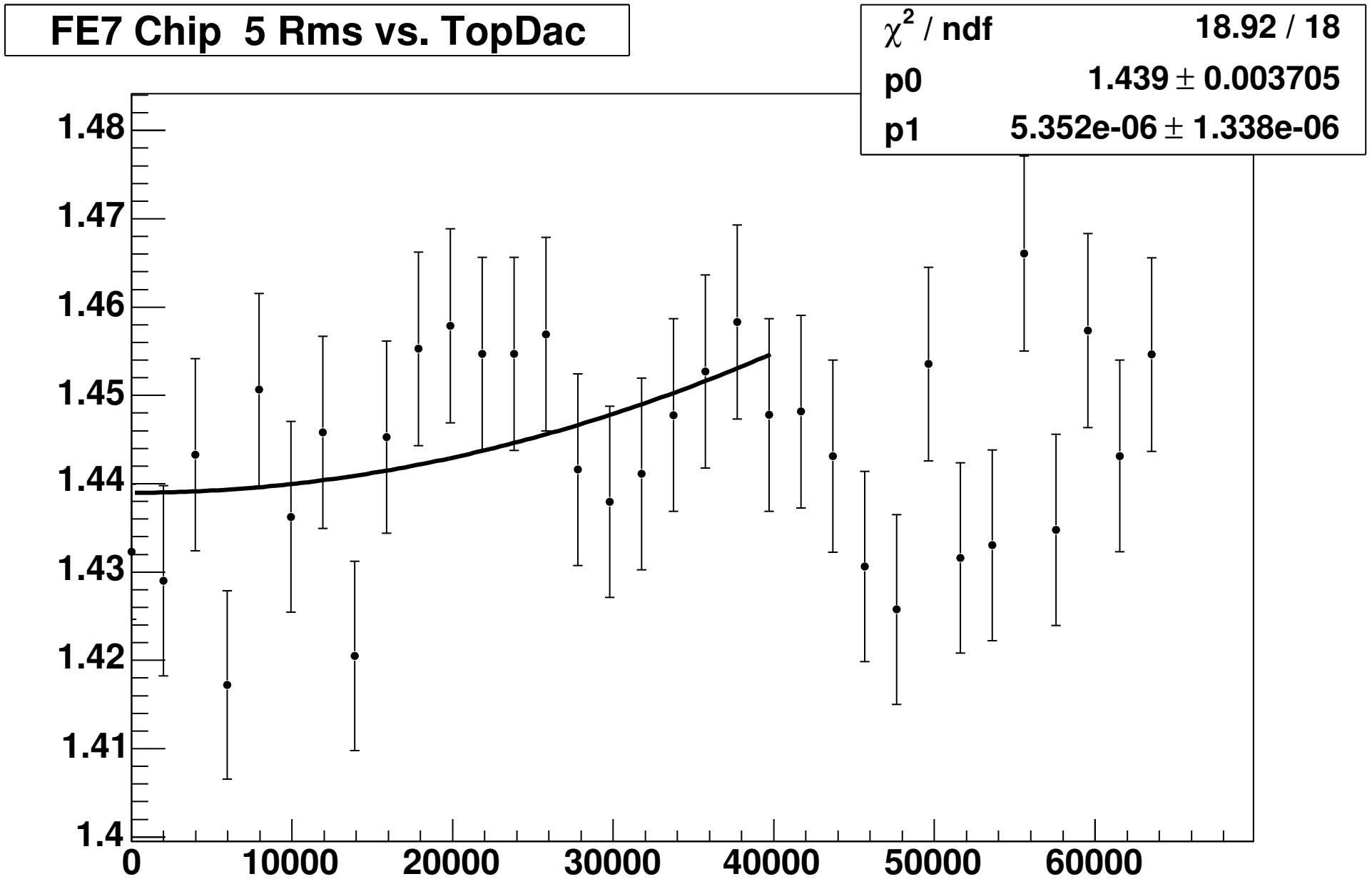

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 90.53 / 18
p0 -14.74 ± 0.007258
p1 2.669e-06 ± 3.055e-07
-14.6
-14.65
-14.7
-14.75
-14.8
0
10000
20000
30000
40000
50000
60000

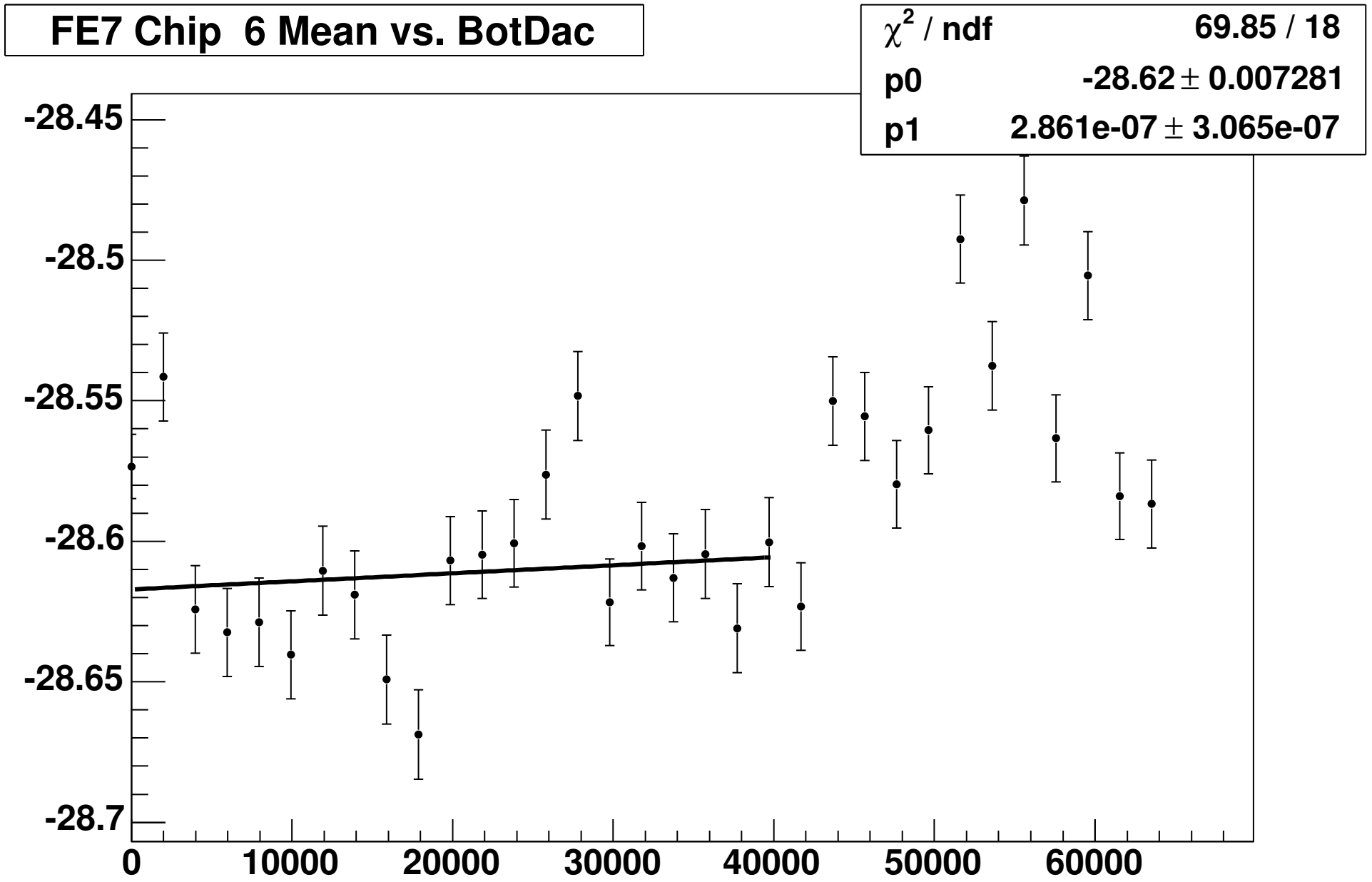

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 19.65 / 18
p0 1.469 ± 0.003786
p1 3.212e-06 ± 2.316e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

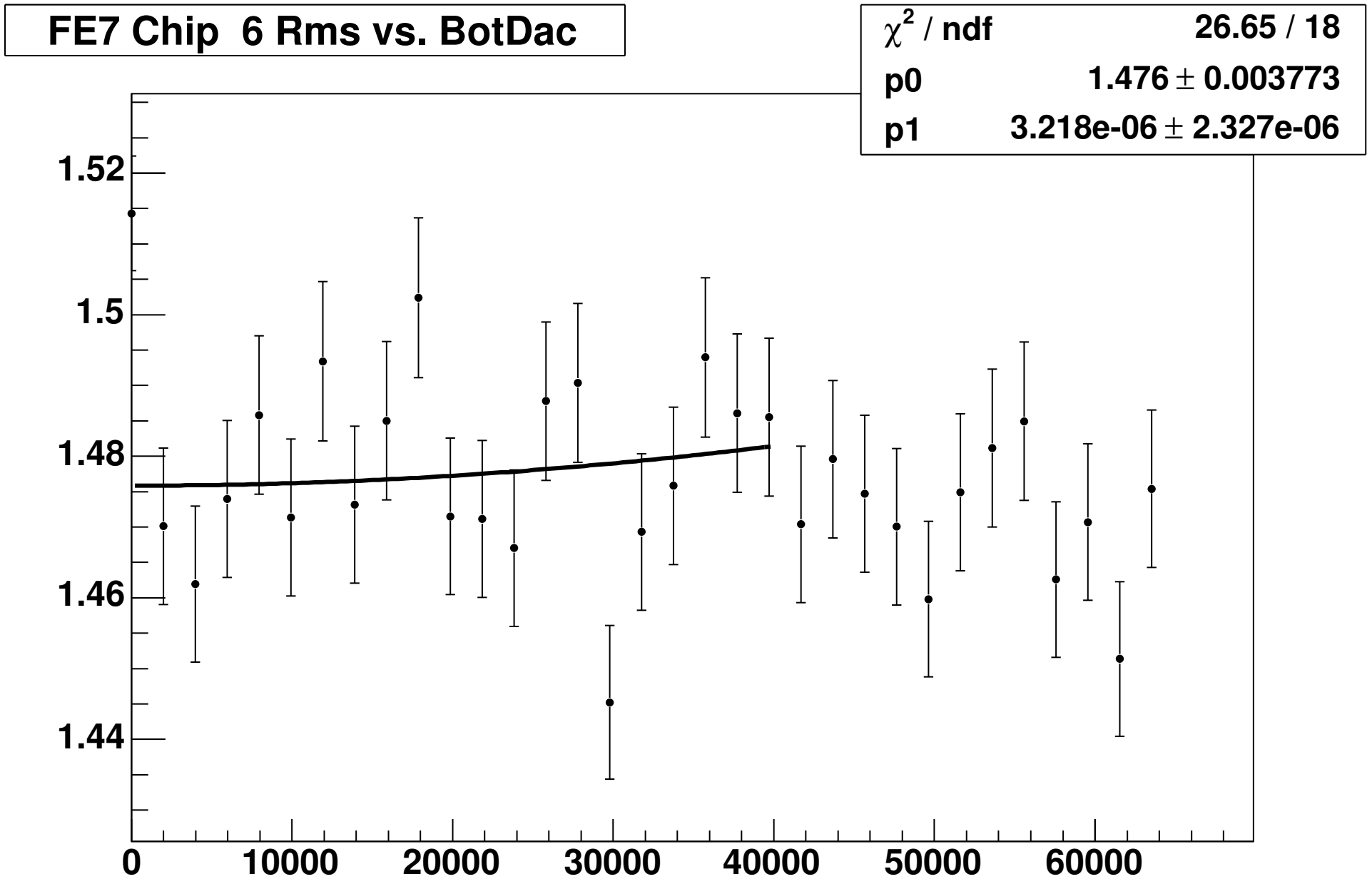

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.446e+05 / 18
p0 -20.71 ± 0.007122
p1 0.4507 ± 3.335e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

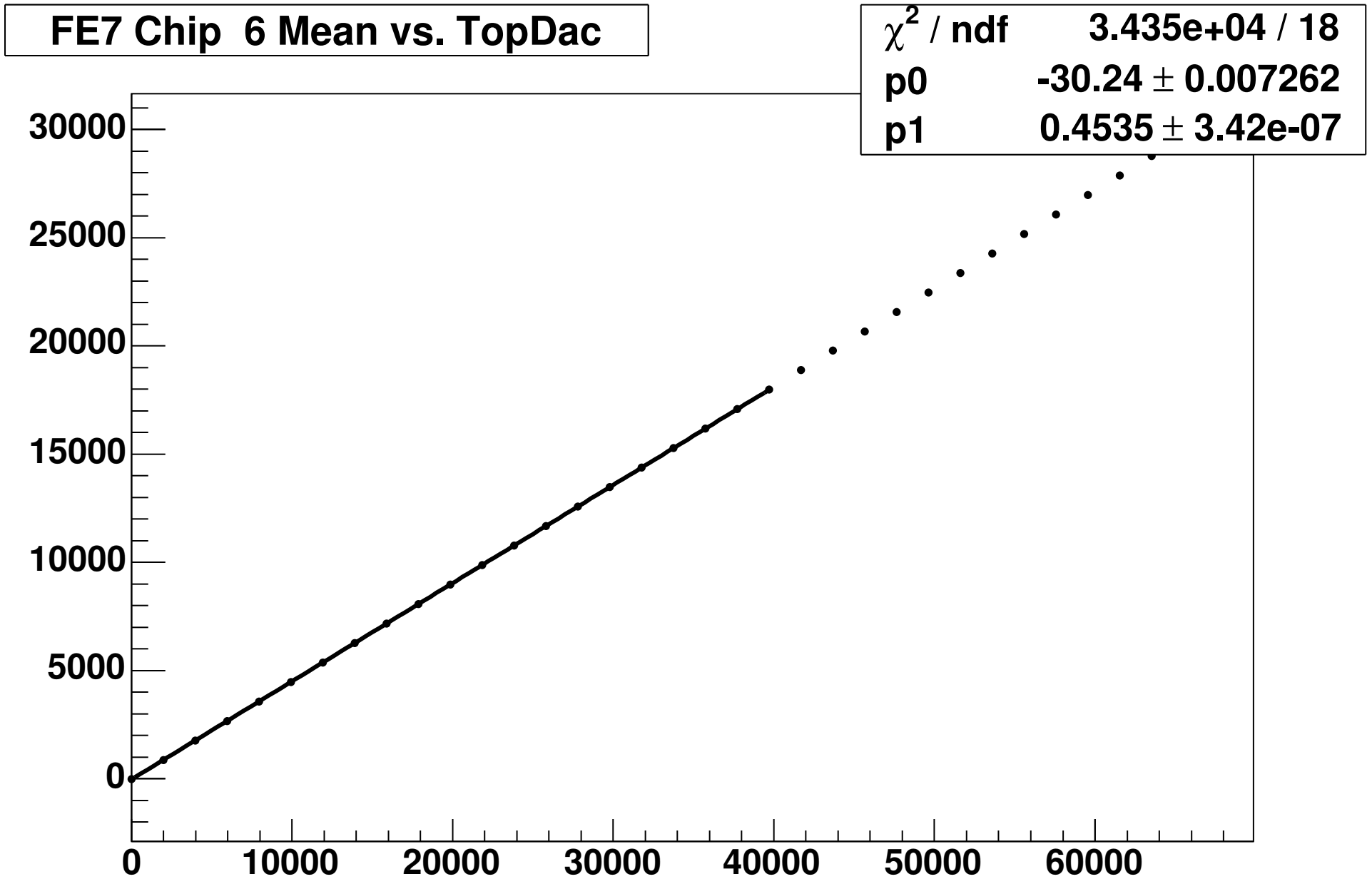

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 123.2 / 18
p0 1.336 ± 0.003912
p1 3.559e-05 ± 2.701e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

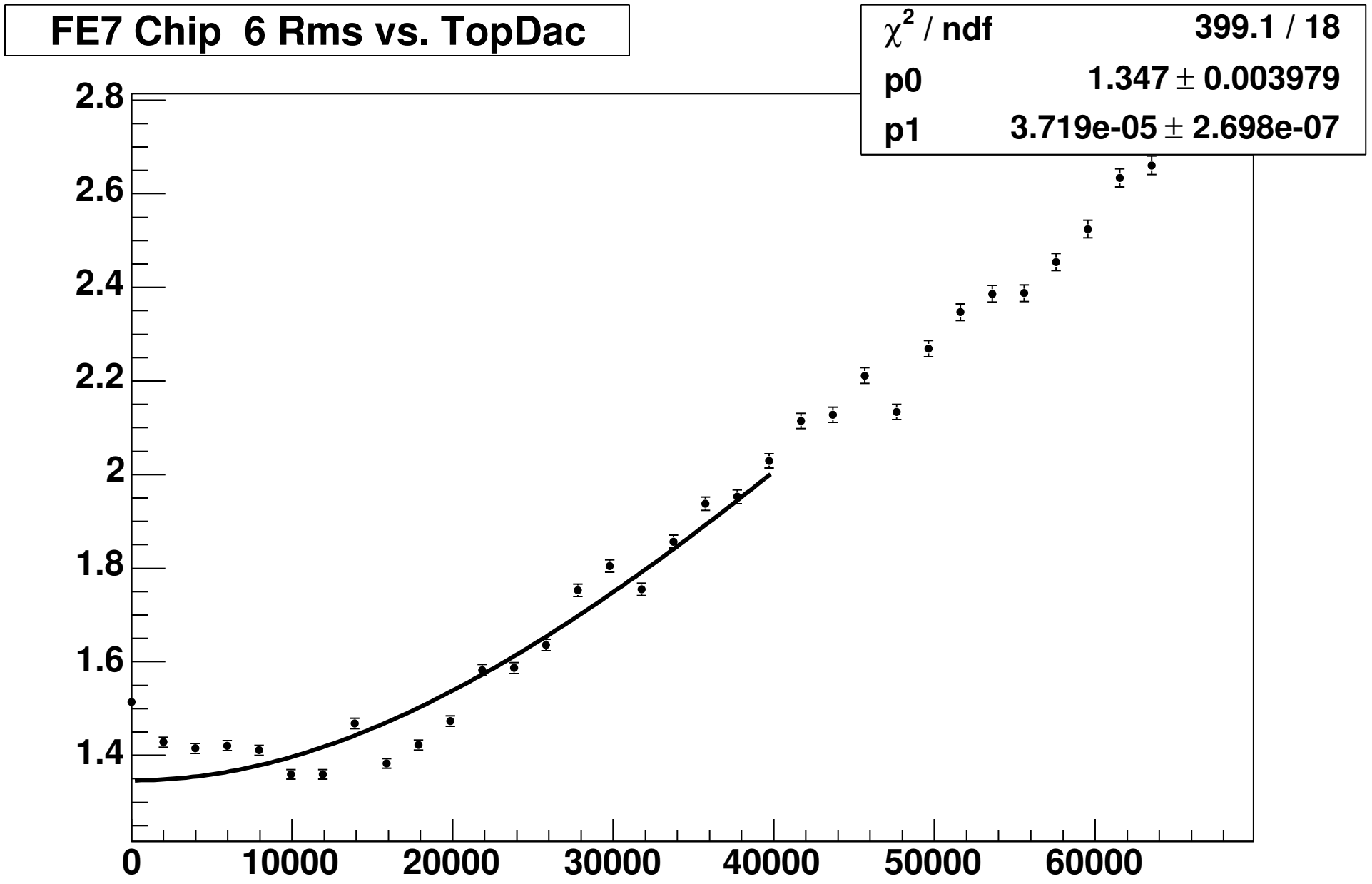

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 109.1 / 18
p0 -19.83 ± 0.007094
p1 2.893e-06 ± 2.992e-07
-19.7
-19.75
-19.8
-19.85
-19.9
0
10000
20000
30000
40000
50000
60000

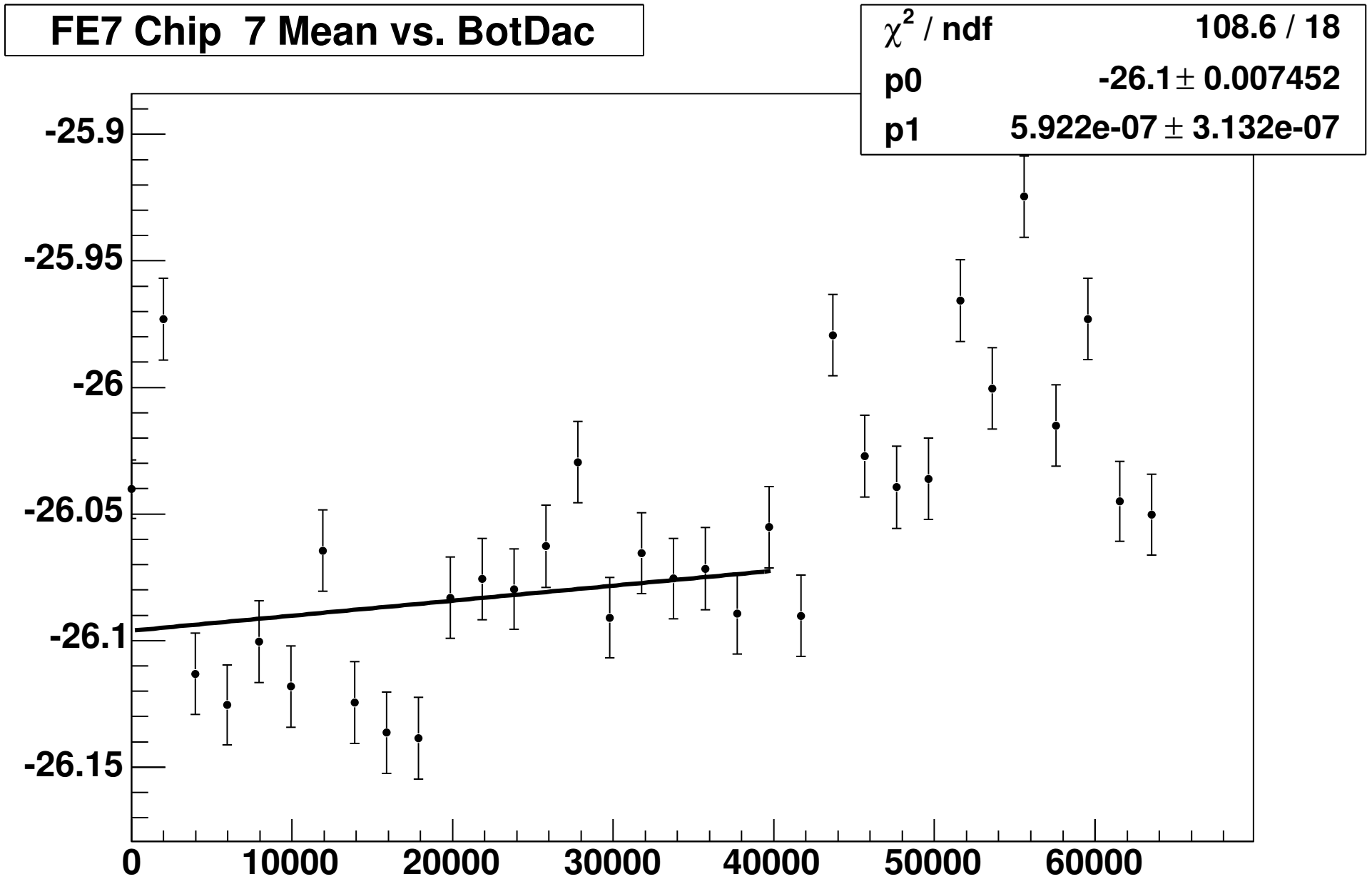

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 18.92 / 18
p0 1.439 ± 0.003705
p1 5.352e-06 ± 1.338e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

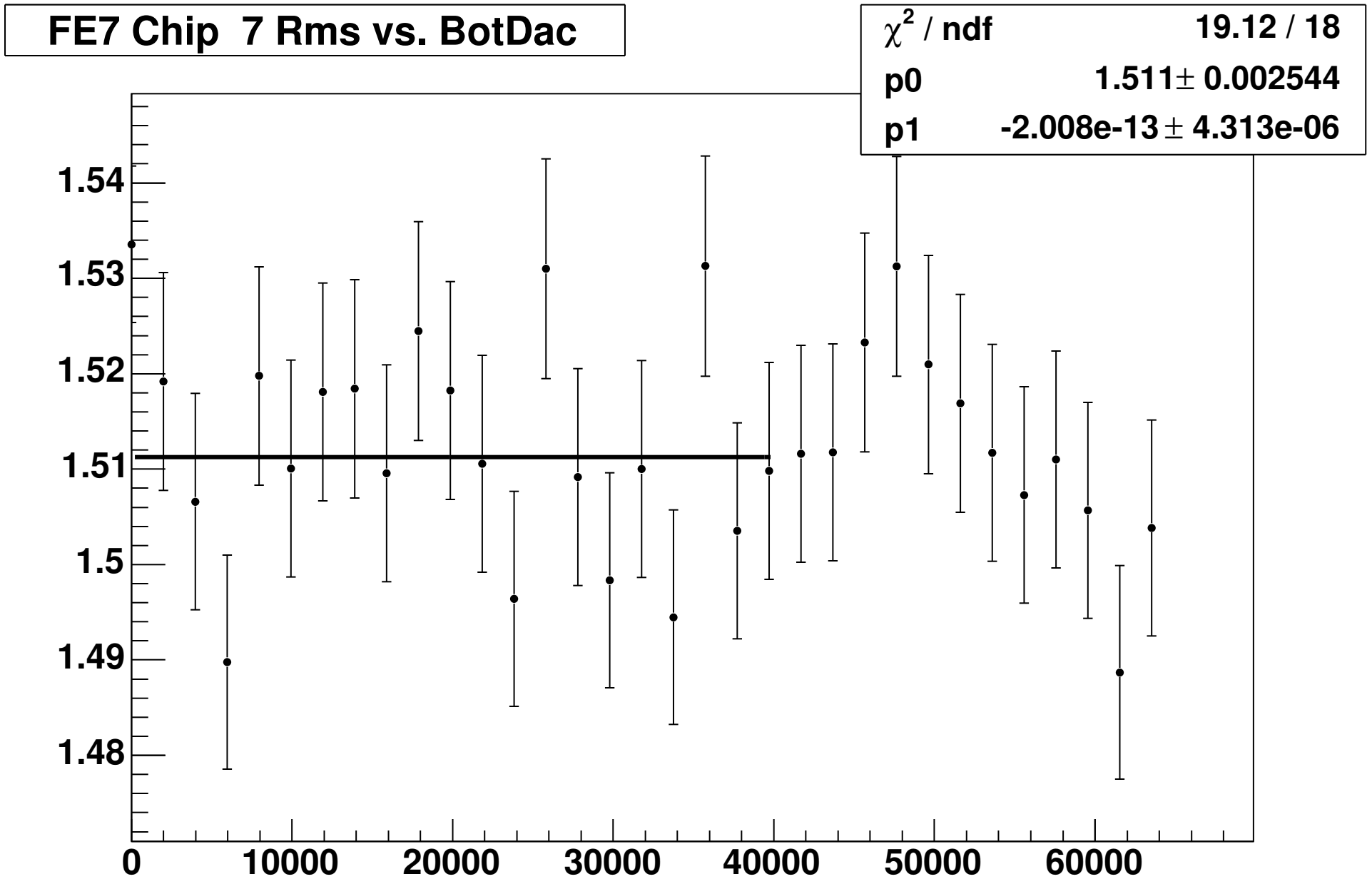

FE7 Chip 6 Mean vs. BotDac
χ^2 / ndf 69.85 / 18
p0 -28.62 ± 0.007281
p1 2.861e-07 ± 3.065e-07
-28.45
-28.5
-28.55
-28.6
-28.65
-28.7
0
10000
20000
30000
40000
50000
60000

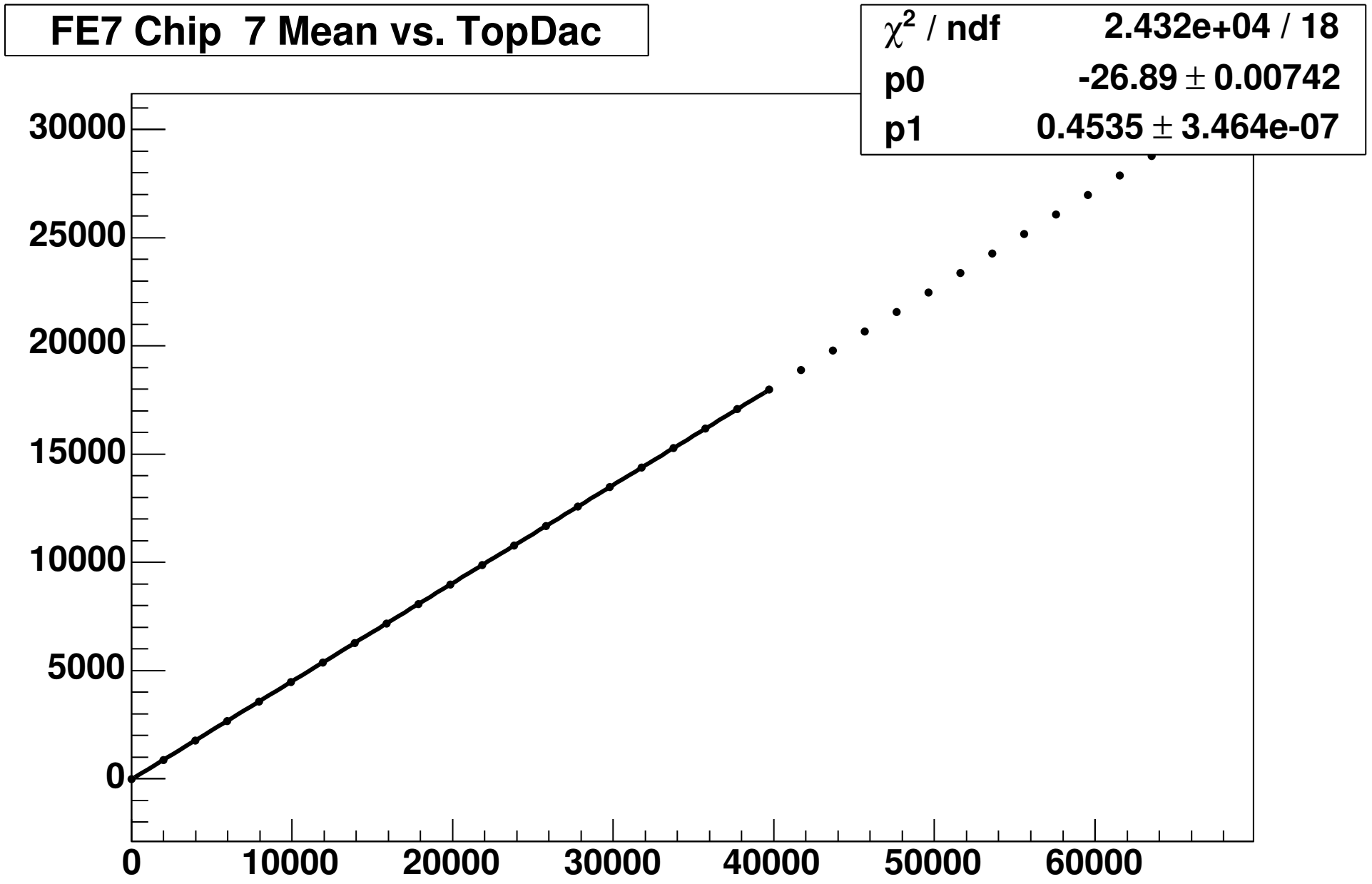

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 26.65 / 18
p0 1.476 ± 0.003773
p1 3.218e-06 ± 2.327e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

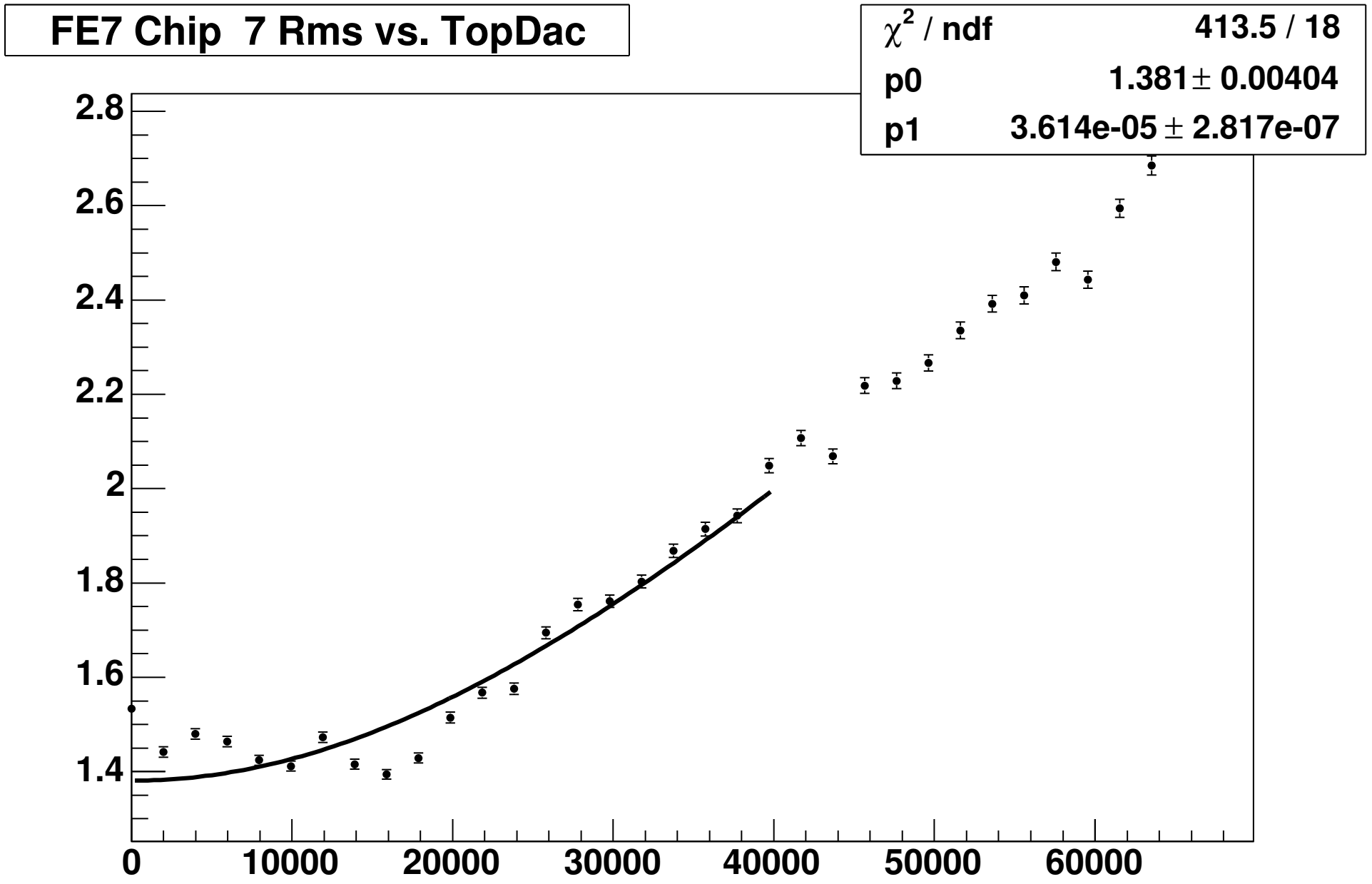

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 3.435e+04 / 18
p0 -30.24 ± 0.007262
p1 0.4535 ± 3.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

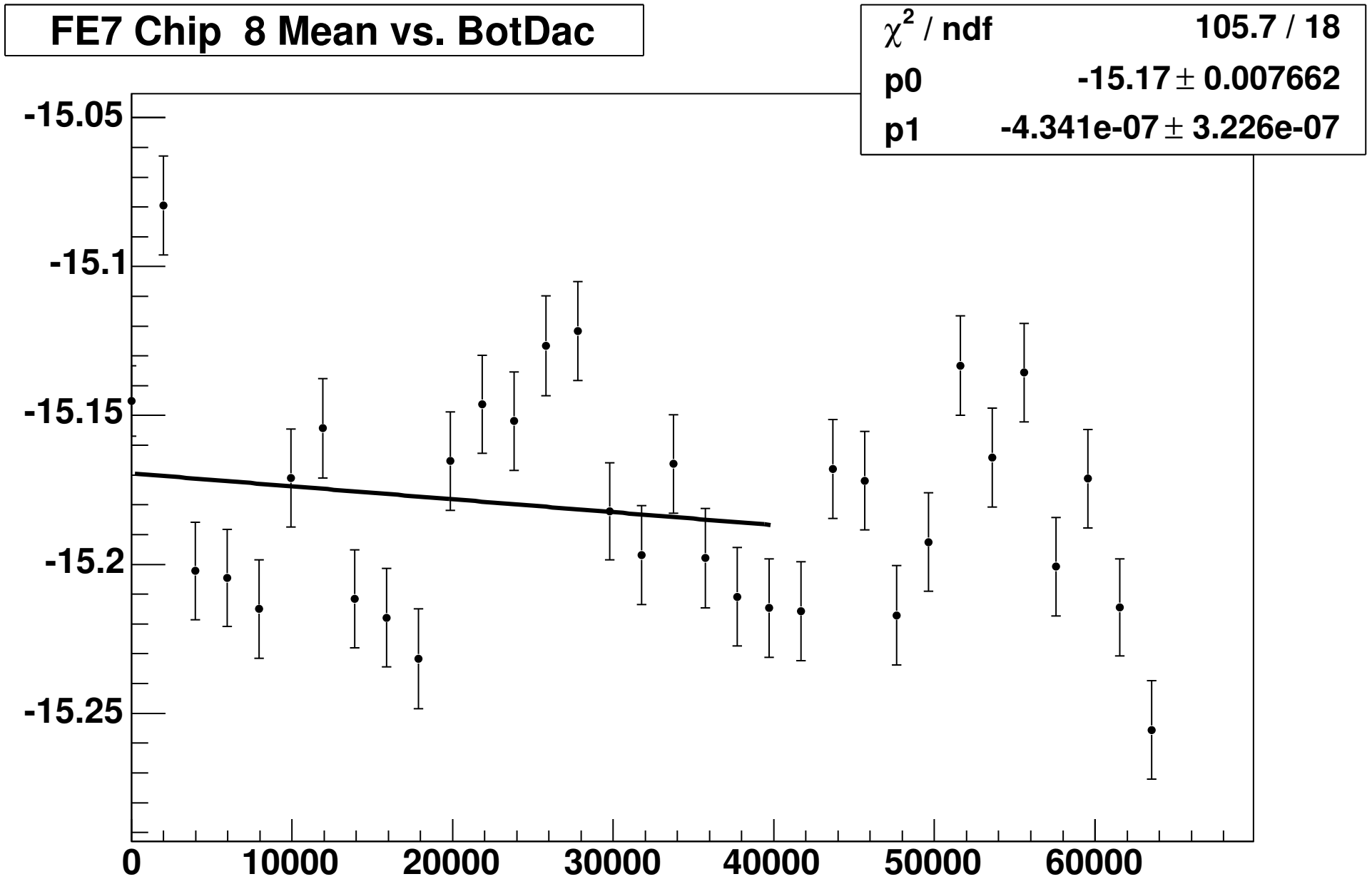

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 399.1 / 18
p0 1.347 ± 0.003979
p1 3.719e-05 ± 2.698e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

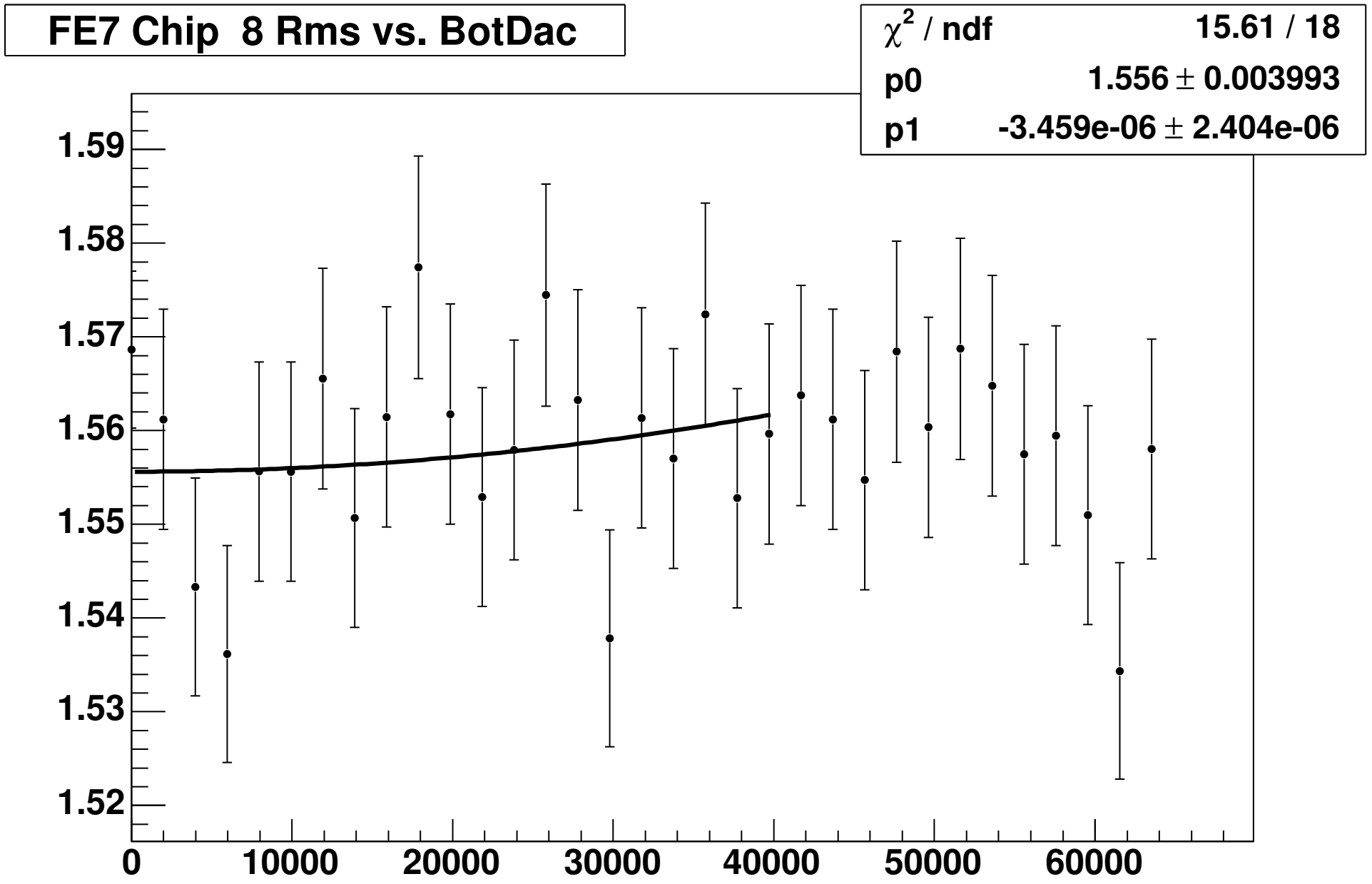

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 108.6 / 18
p0 -26.1 ± 0.007452
p1 5.922e-07 ± 3.132e-07
-25.9
-25.95
-26
-26.05
-26.1
-26.15
0
10000
20000
30000
40000
50000
60000

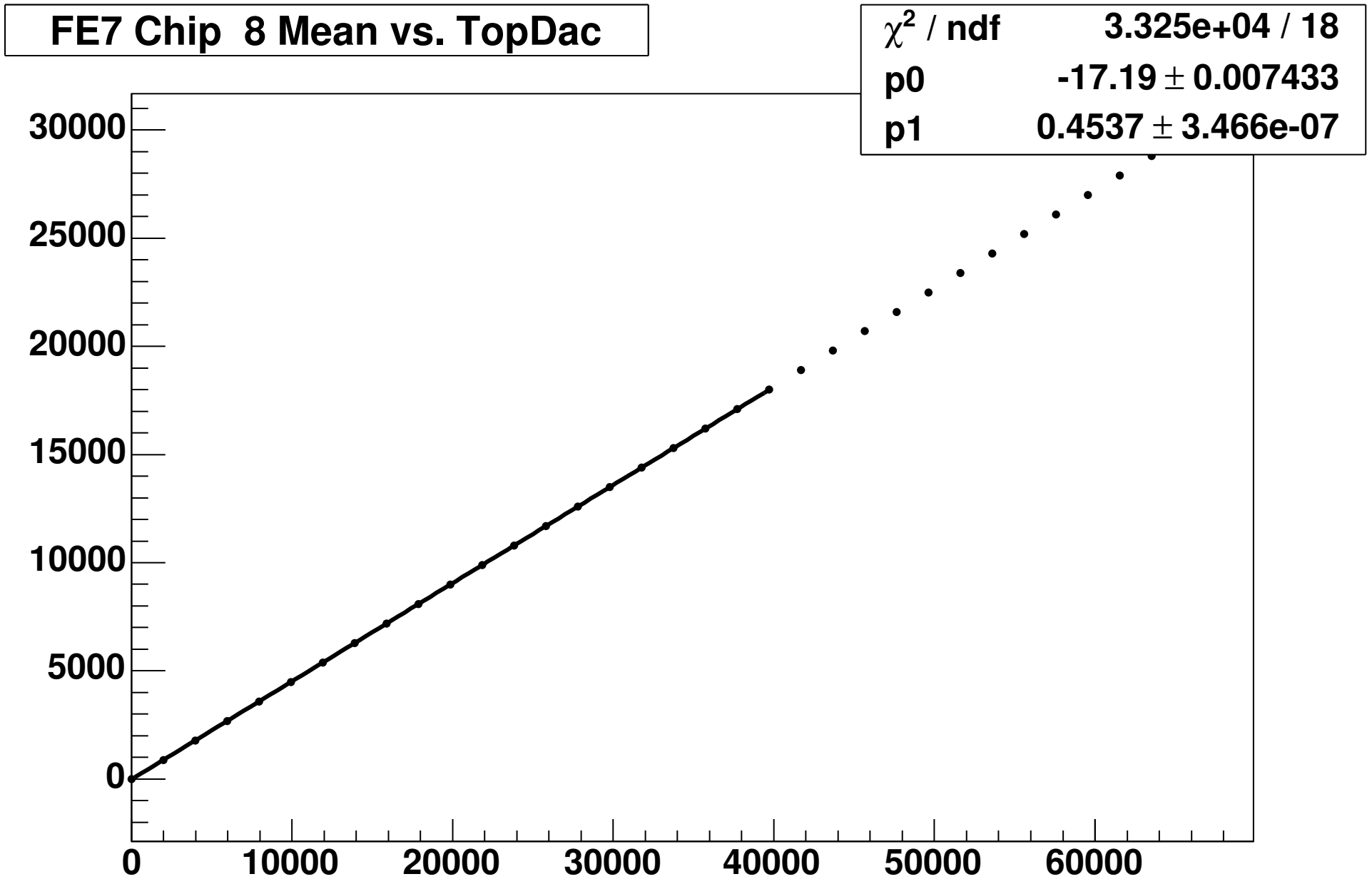

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 19.12 / 18
p0 1.511 ± 0.002544
p1 -2.008e-13 ± 4.313e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

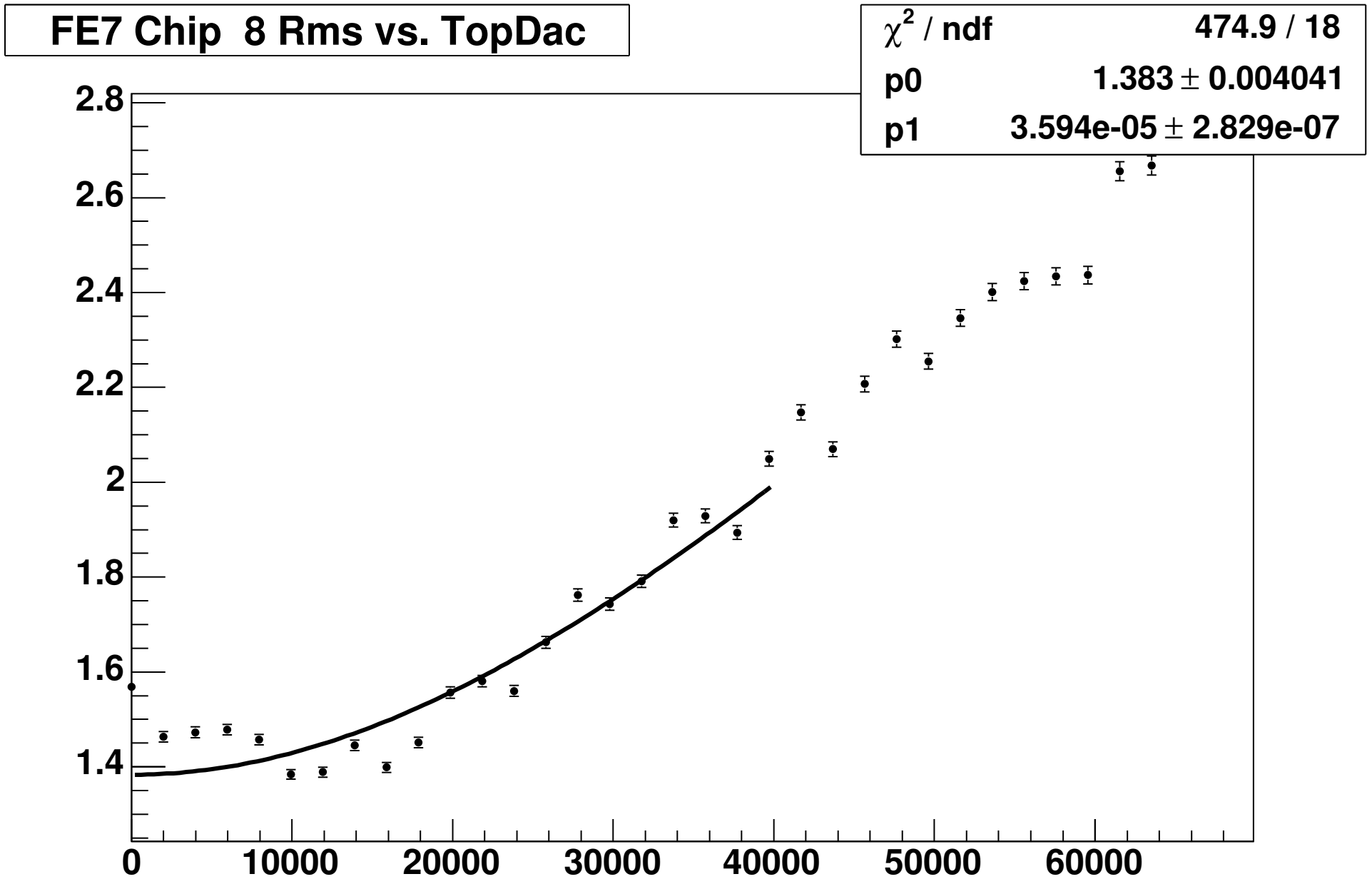

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 2.432e+04 / 18
p0 -26.89 ± 0.00742
p1 0.4535 ± 3.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

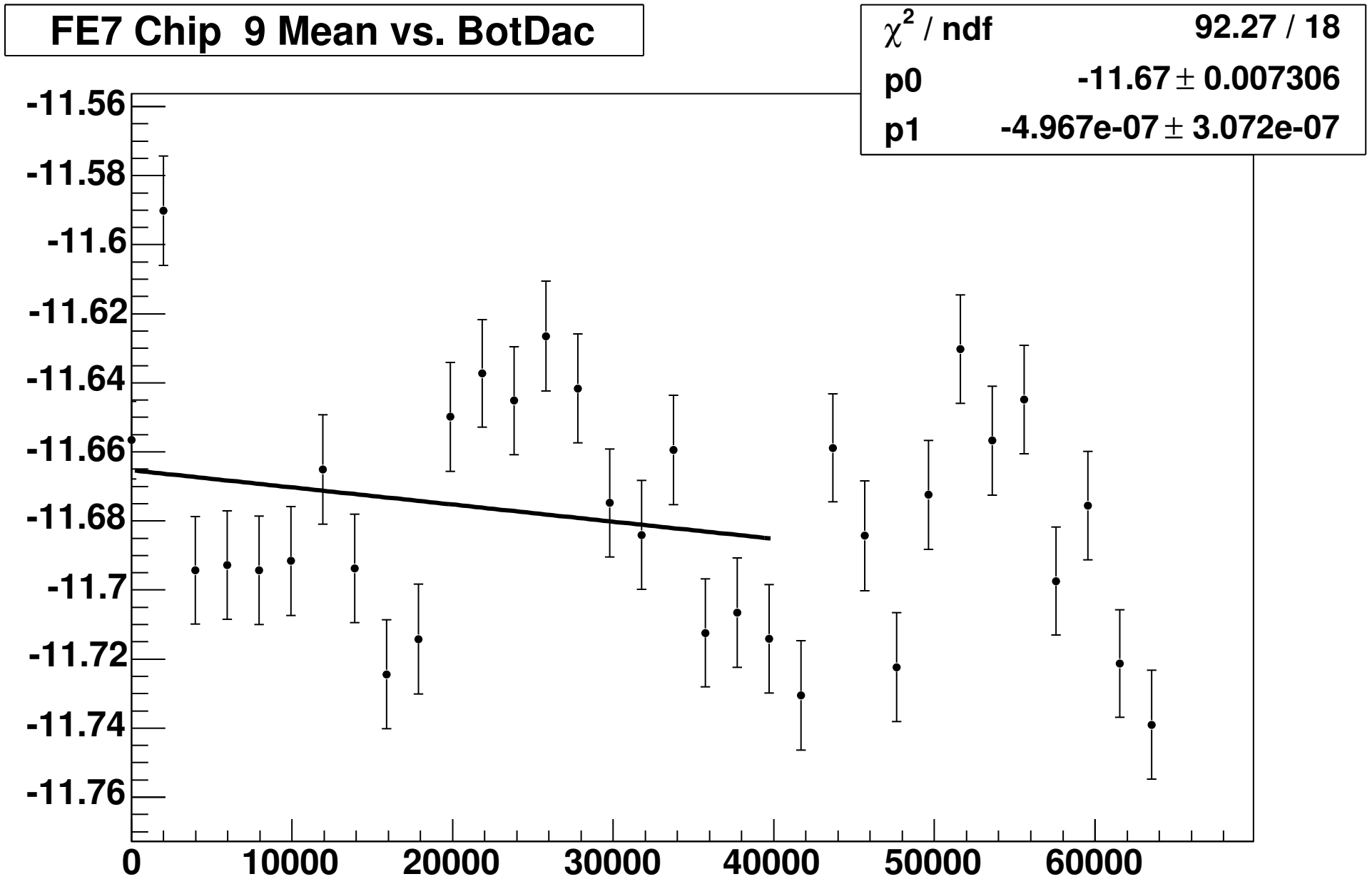

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 413.5 / 18
p0 1.381 ± 0.00404
p1 3.614e-05 ± 2.817e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

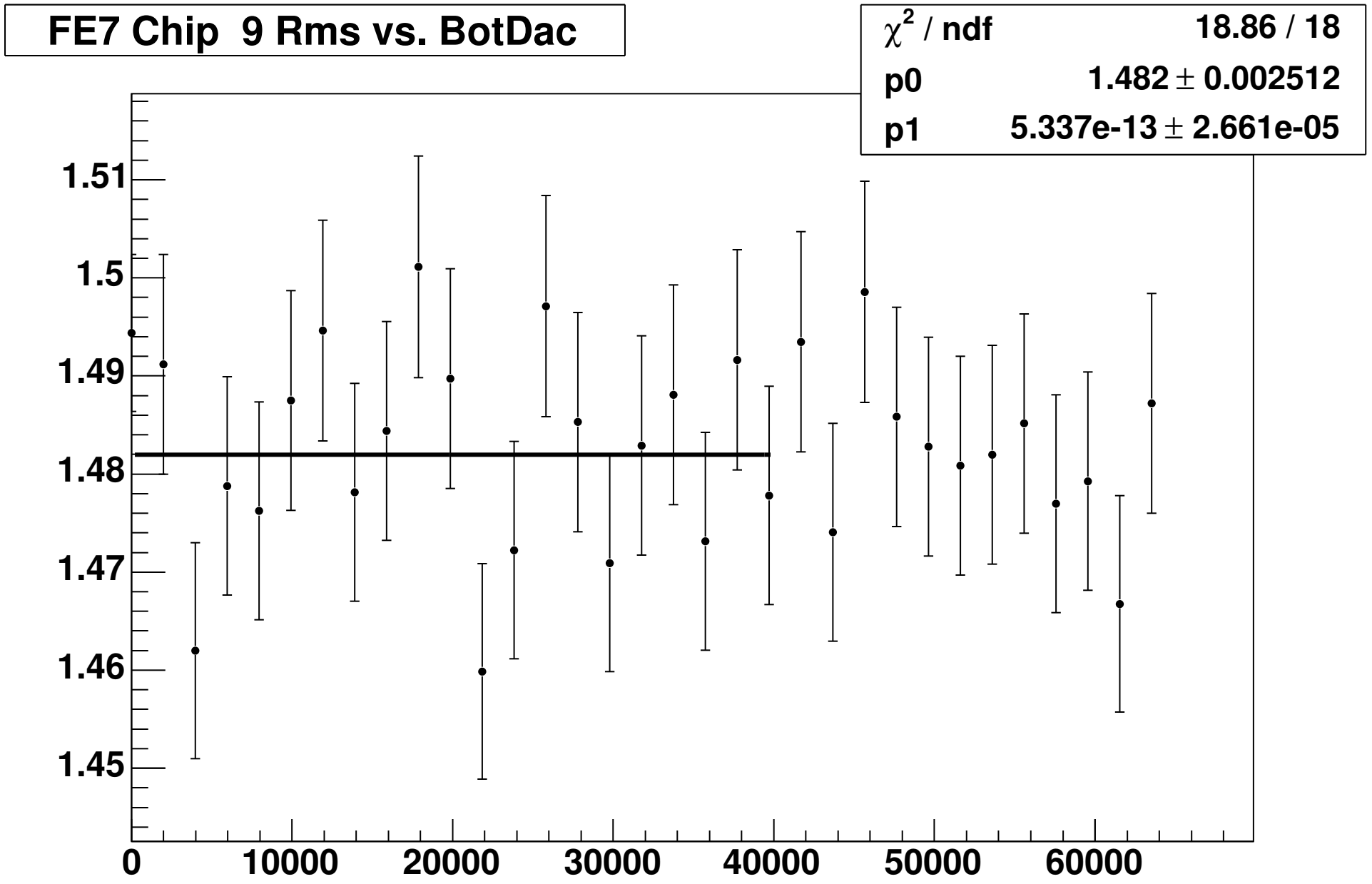

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 105.7 / 18
p0 -15.17 ± 0.007662
p1 -4.341e-07 ± 3.226e-07
-15.05
-15.1
-15.15
-15.2
-15.25
0
10000
20000
30000
40000
50000
60000

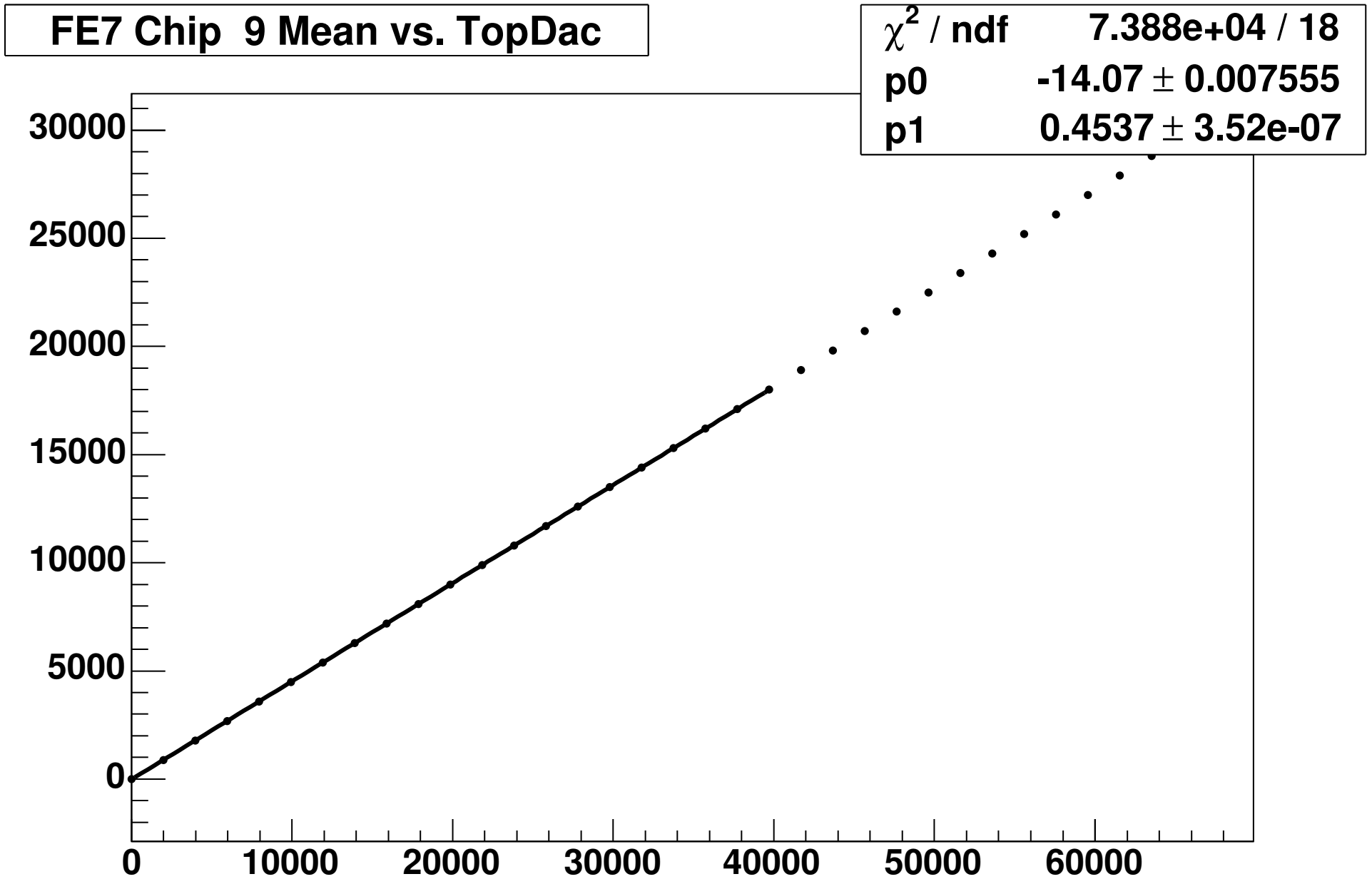

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 15.61 / 18
p0 1.556 ± 0.003993
p1 -3.459e-06 ± 2.404e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000

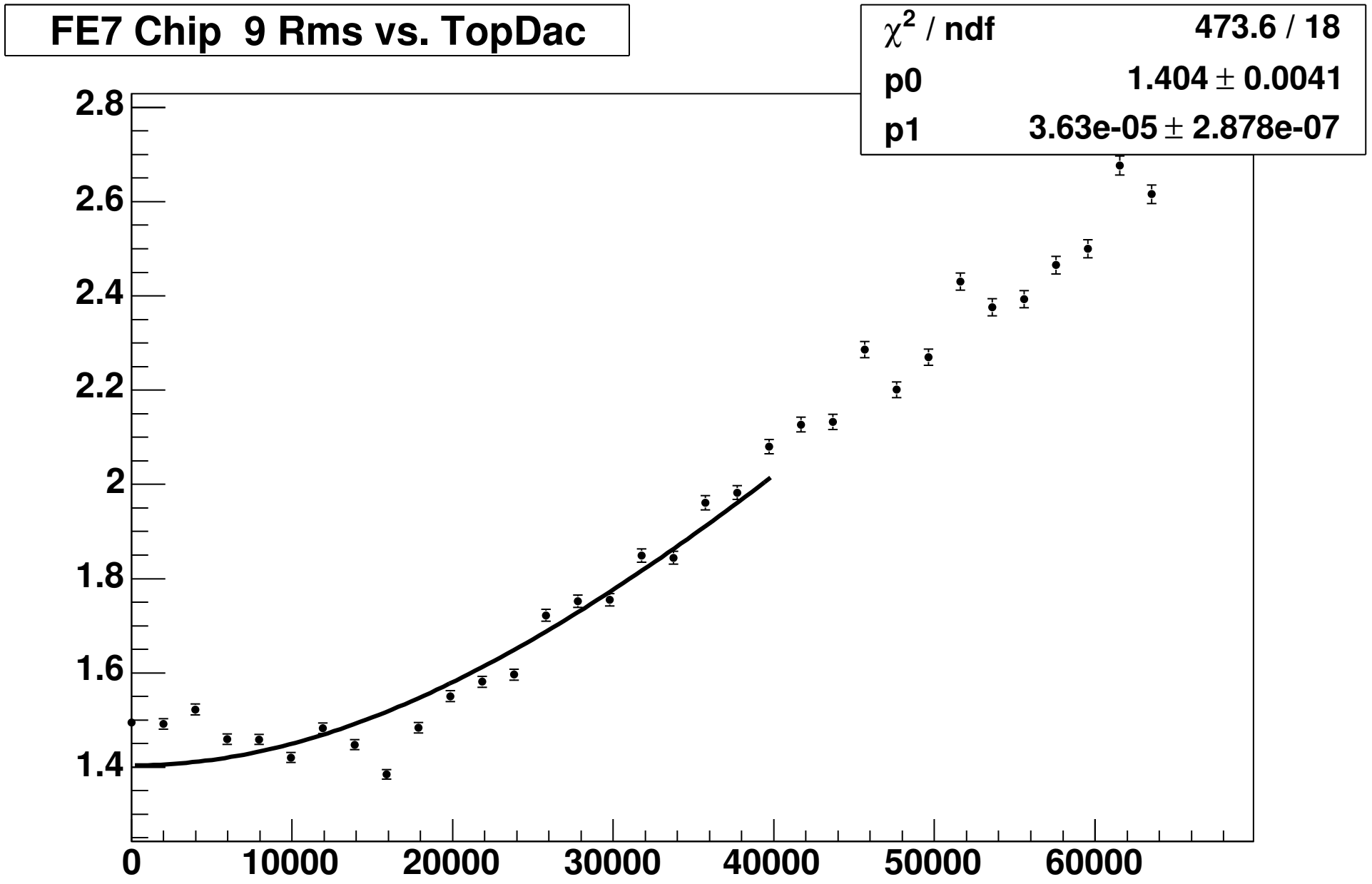

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 3.325e+04 / 18
p0 -17.19 ± 0.007433
p1 0.4537 ± 3.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

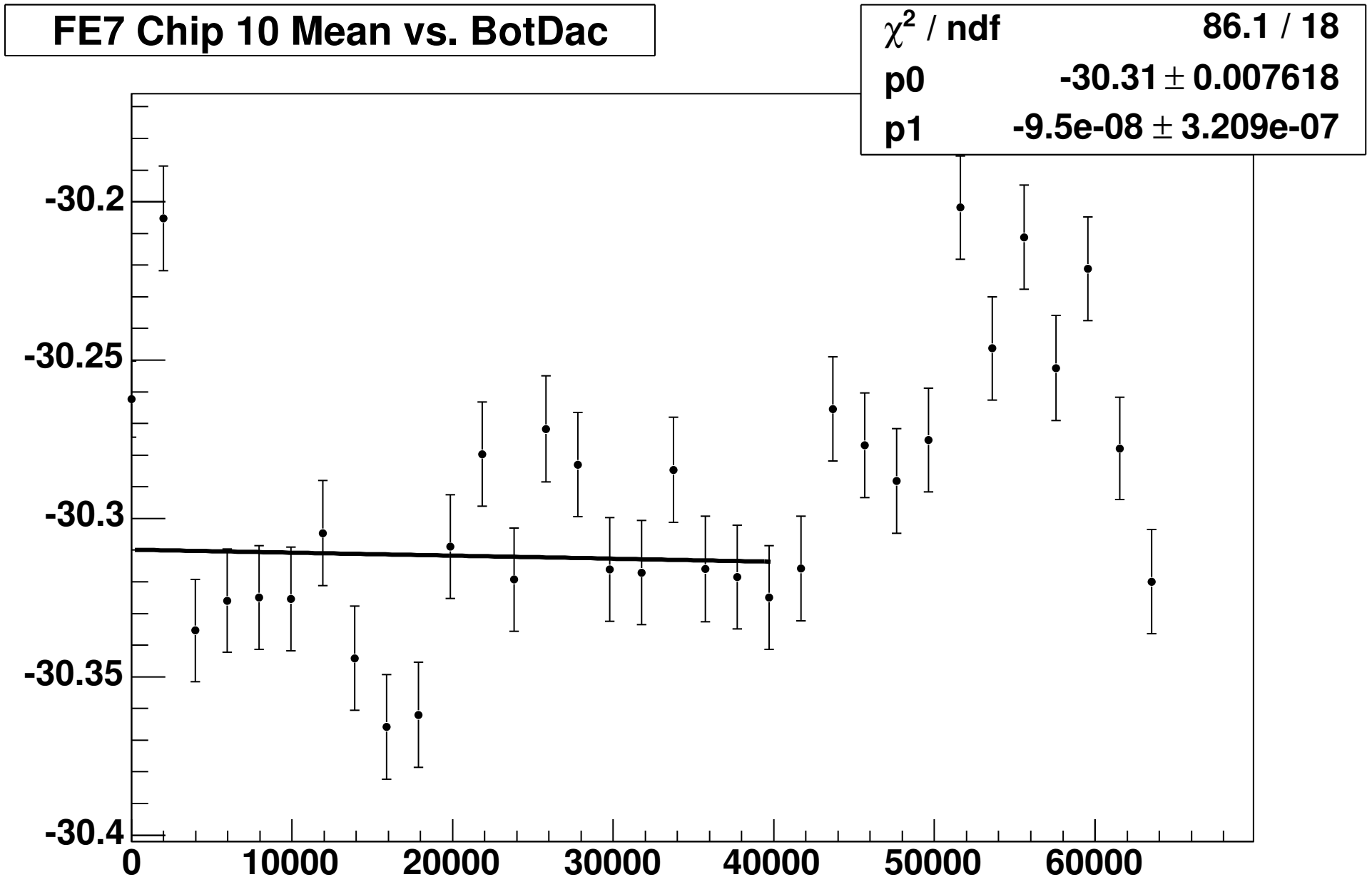

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 474.9 / 18
p0 1.383 ± 0.004041
p1 3.594e-05 ± 2.829e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

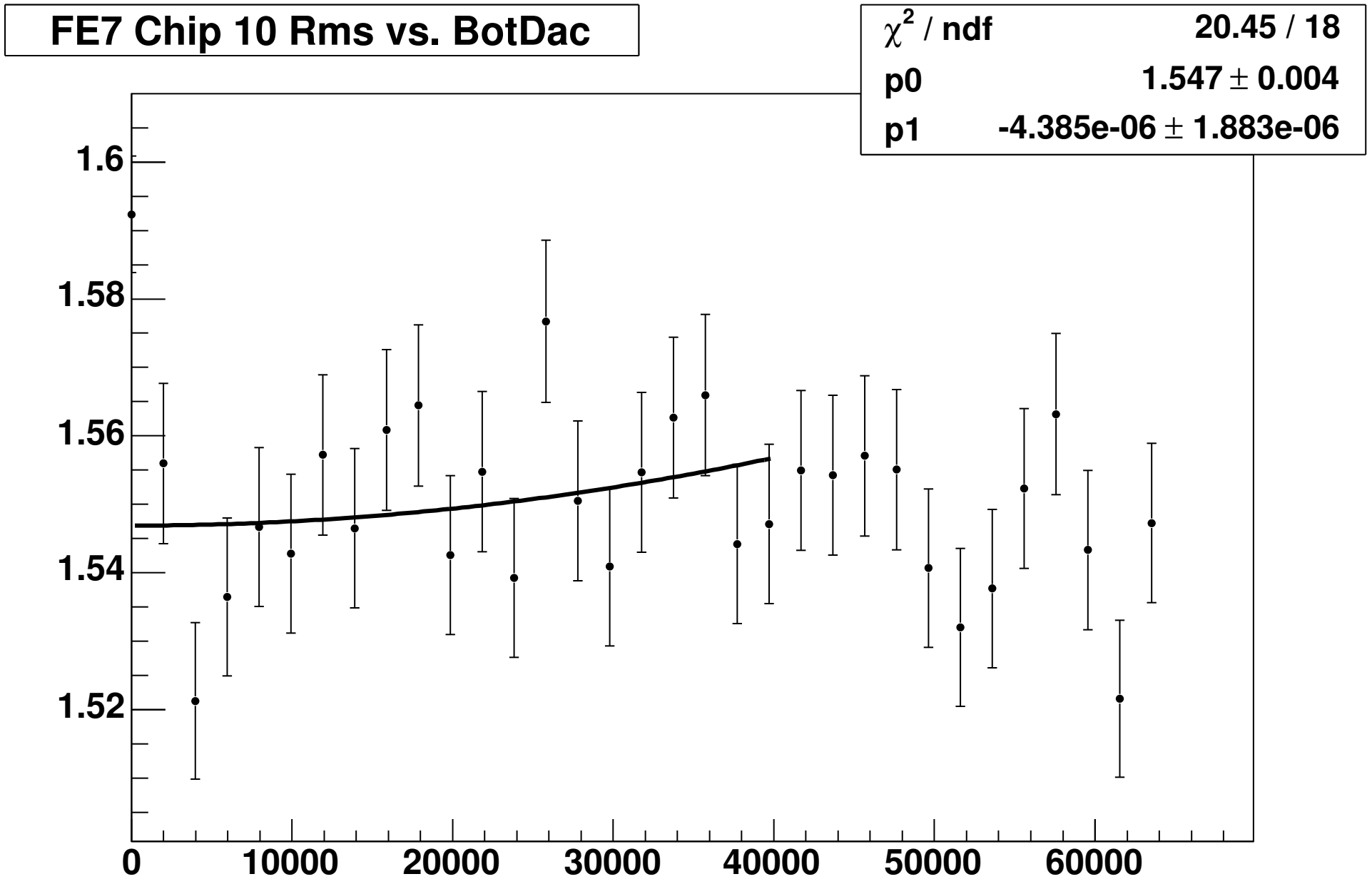

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 92.27 / 18
p0 -11.67 ± 0.007306
p1 -4.967e-07 ± 3.072e-07
-11.56
-11.58
-11.6
-11.62
-11.64
-11.66
-11.68
-11.7
-11.72
-11.74
-11.76
0
10000
20000
30000
40000
50000
60000

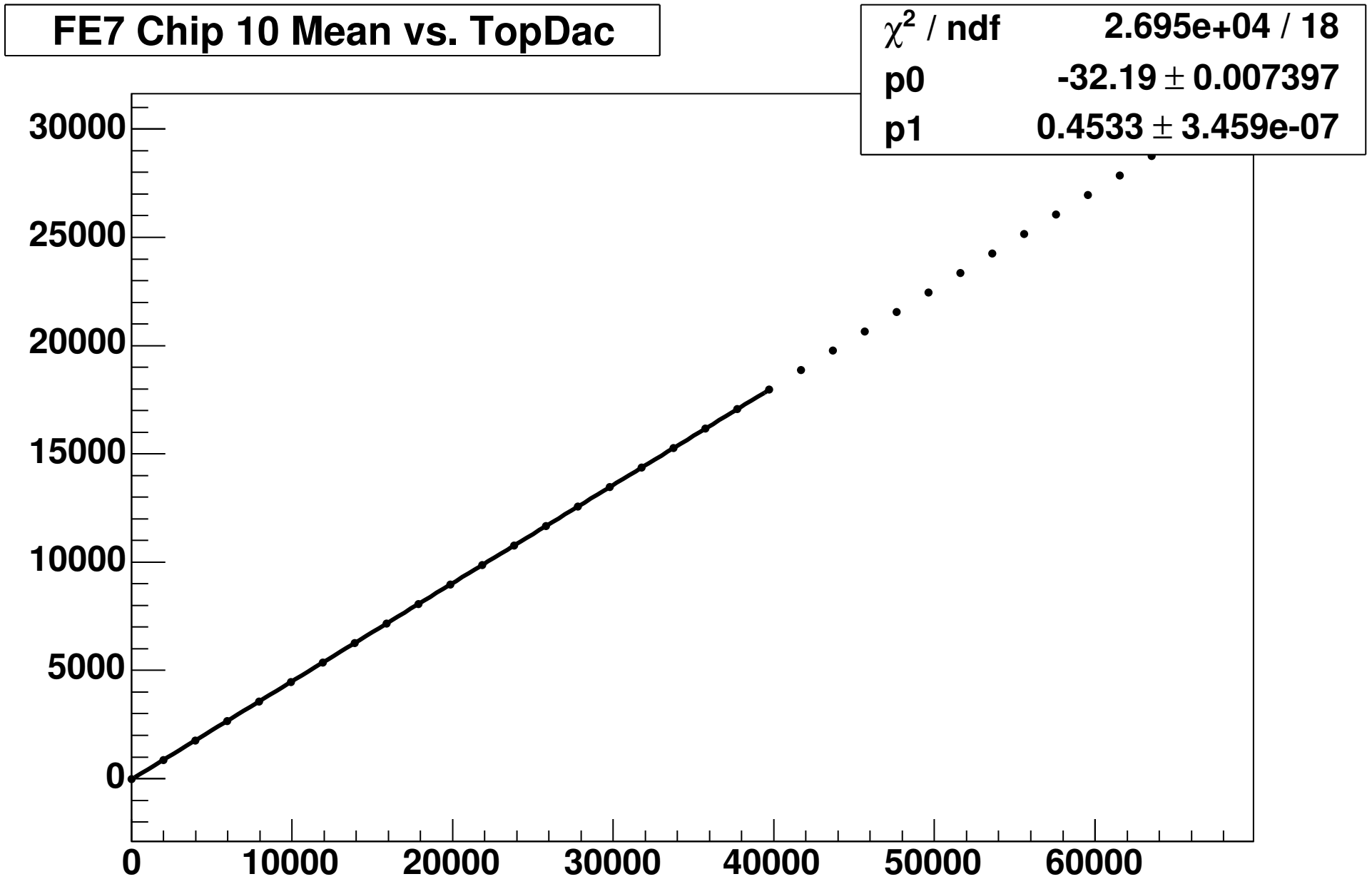

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 18.86 / 18
p0 1.482 ± 0.002512
p1 5.337e-13 ± 2.661e-05
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

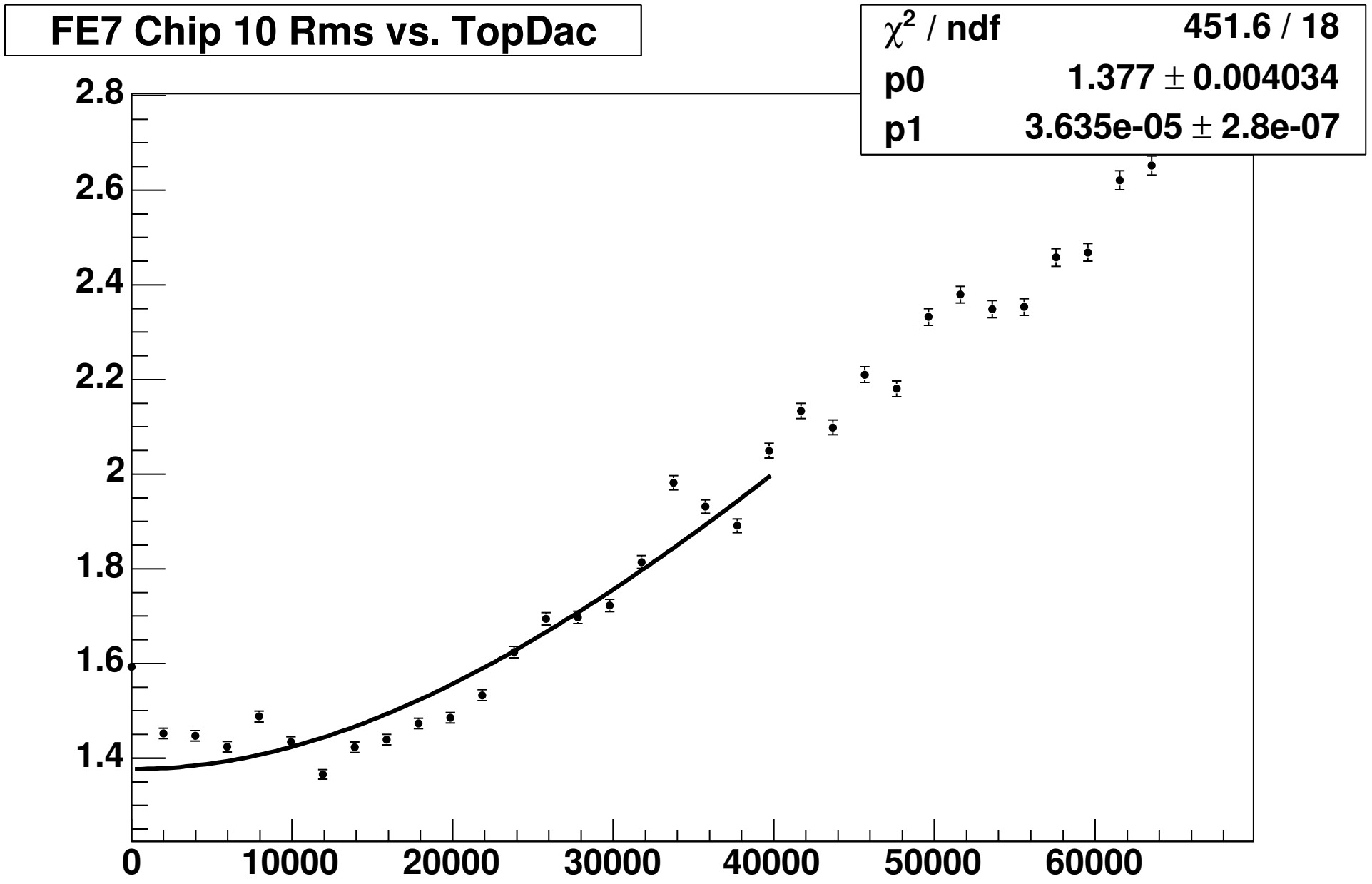

FE7 Chip 9 Mean vs. TopDac
χ^2 / ndf 7.388e+04 / 18
p0 -14.07 ± 0.007555
p1 0.4537 ± 3.52e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

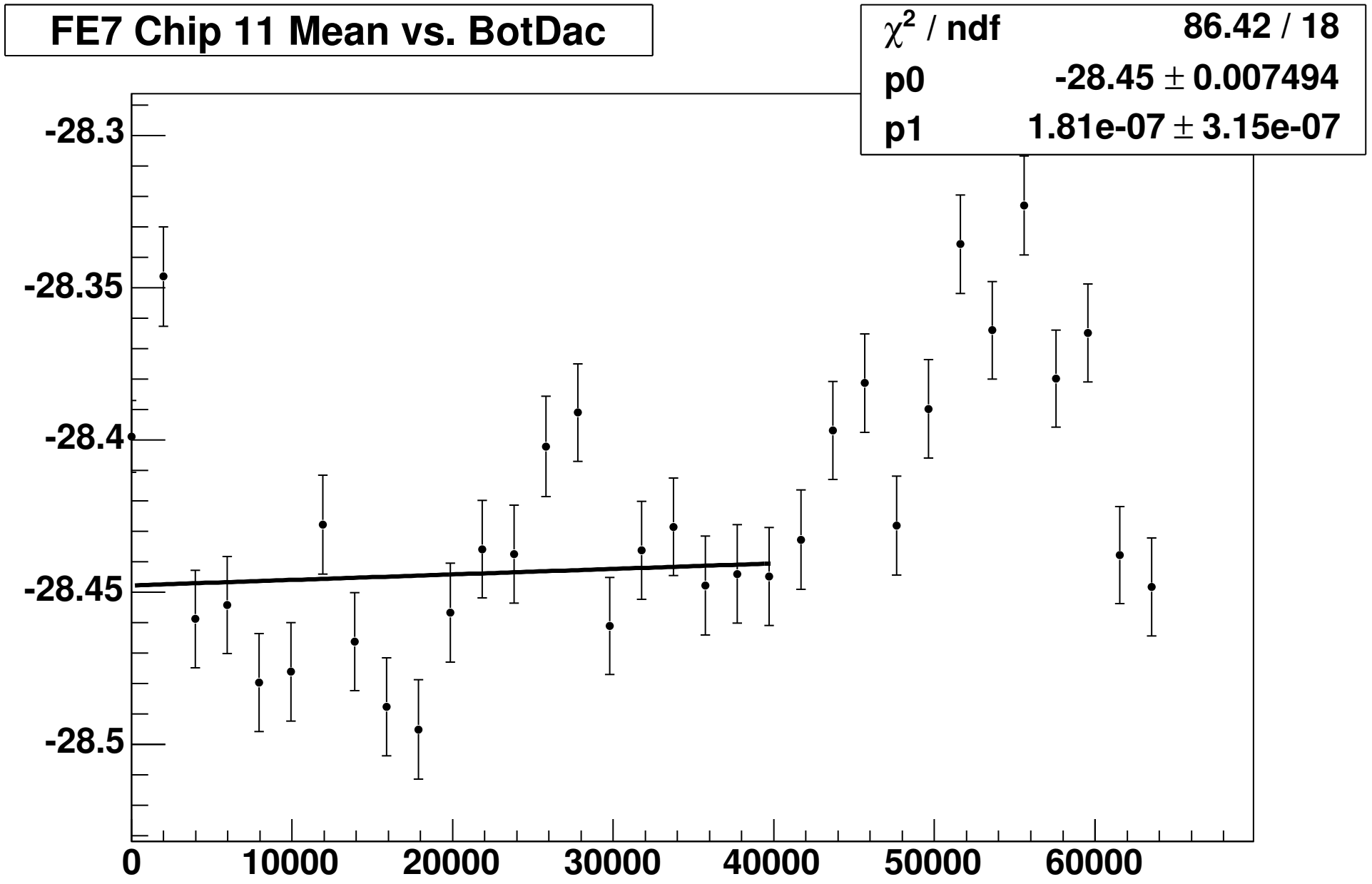

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 473.6 / 18
p0 1.404 ± 0.0041
p1 3.63e-05 ± 2.878e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

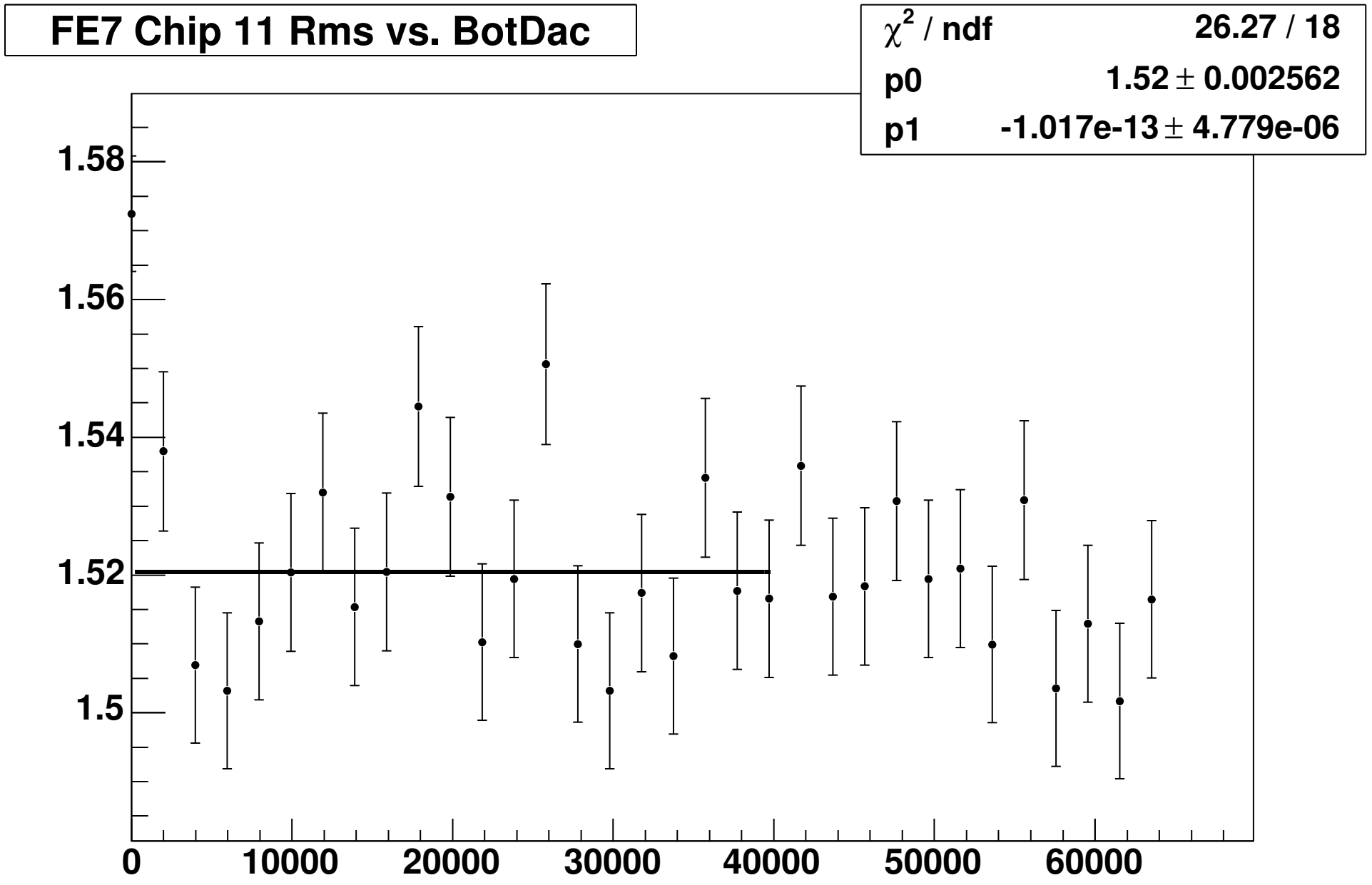

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 86.1 / 18
p0 -30.31 ± 0.007618
p1 -9.5e-08 ± 3.209e-07
-30.2
-30.25
-30.3
-30.35
-30.4
0
10000
20000
30000
40000
50000
60000

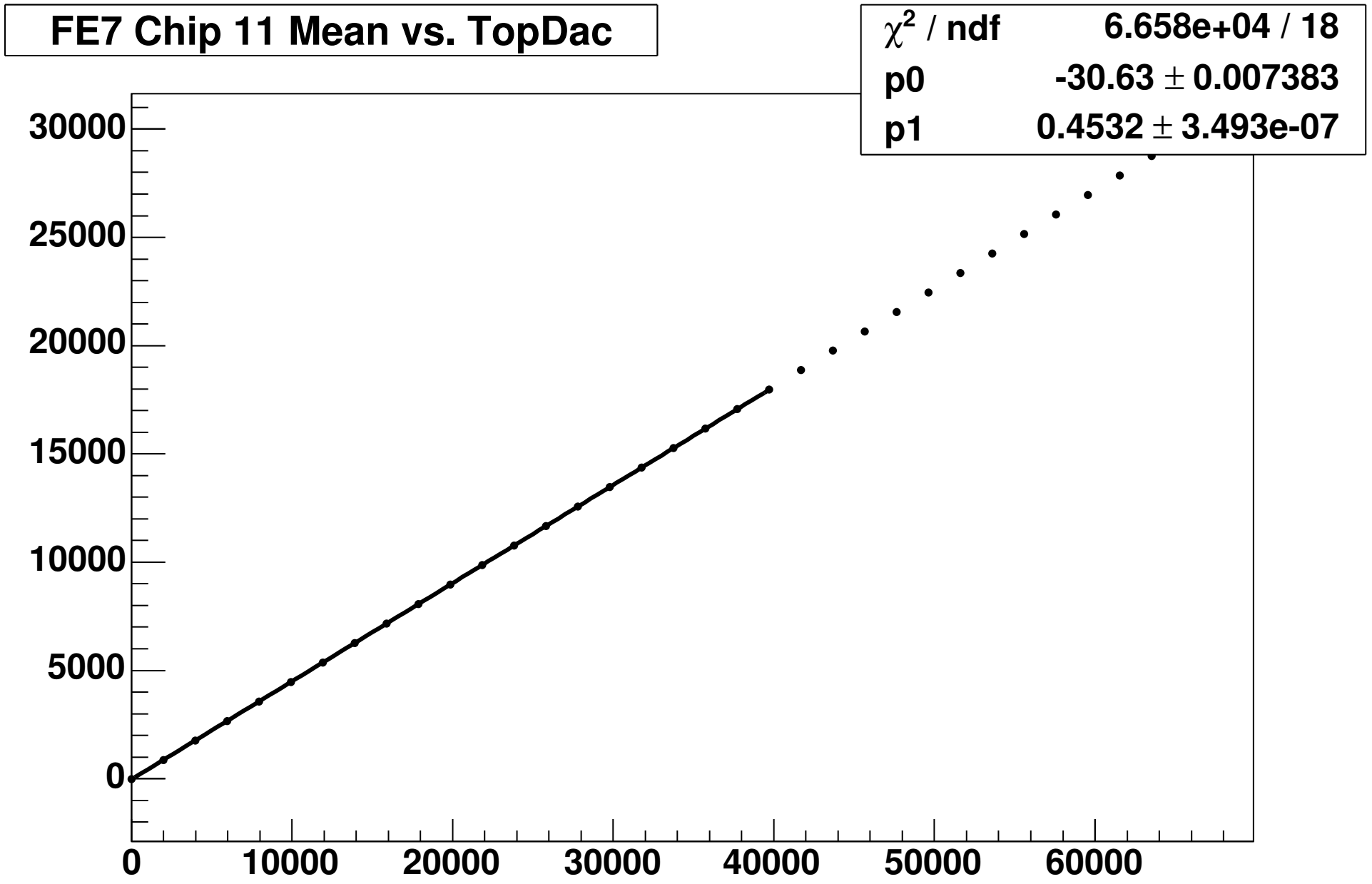

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 20.45 / 18
p0 1.547 ± 0.004
p1 -4.385e-06 ± 1.883e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000

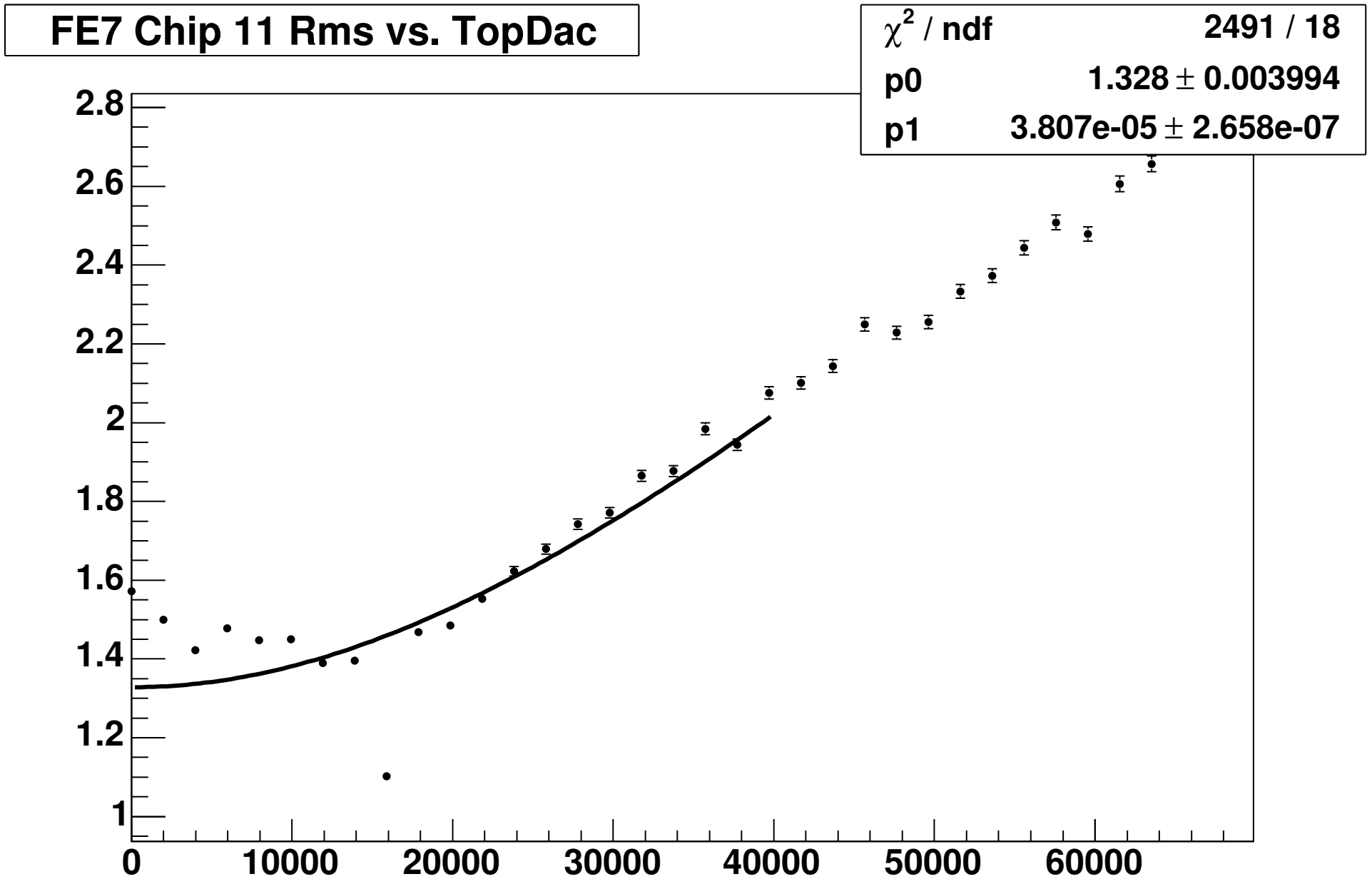

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 2.695e+04 / 18
p0 -32.19 ± 0.007397
p1 0.4533 ± 3.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

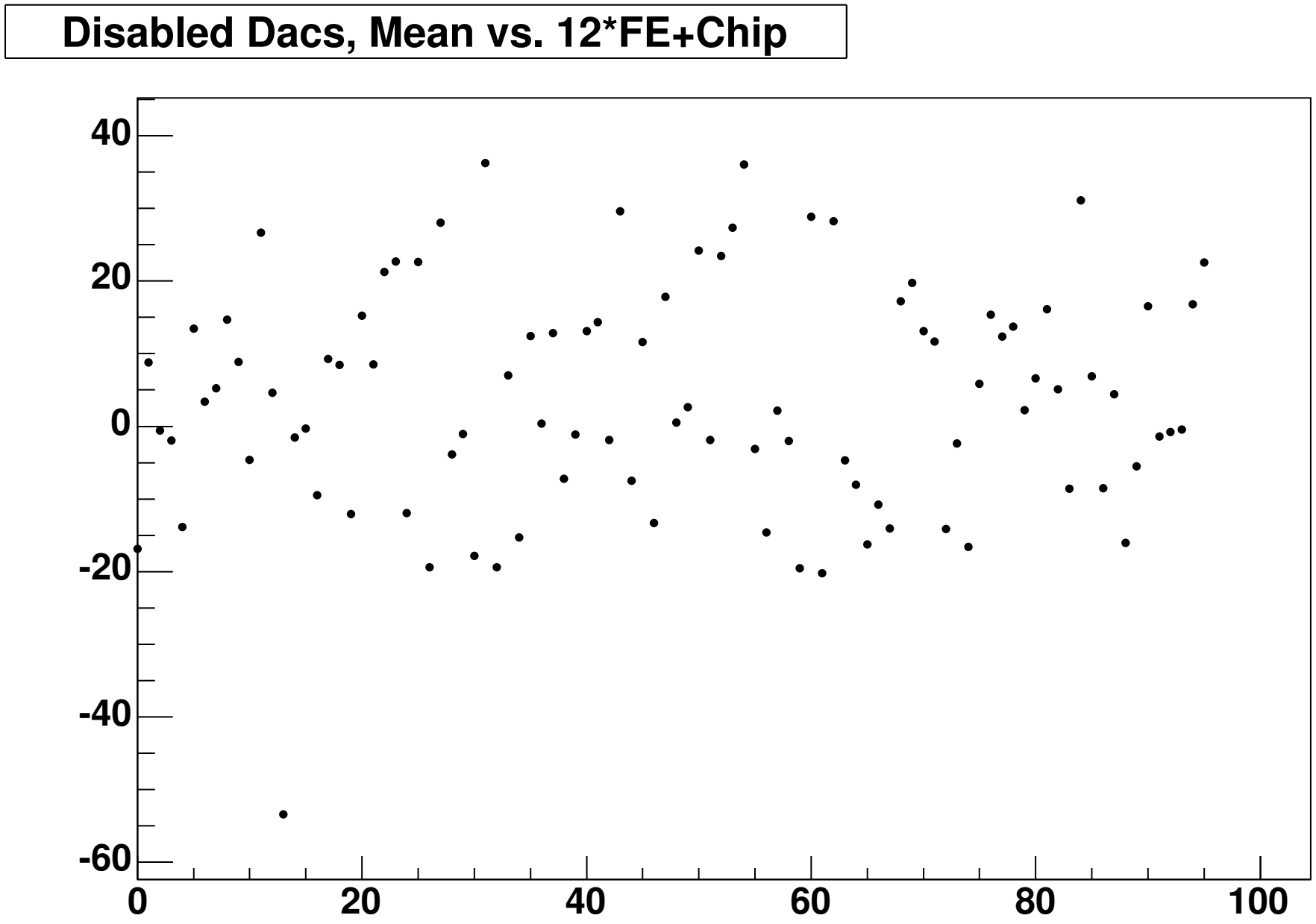

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 451.6 / 18
p0 1.377 ± 0.004034
p1 3.635e-05 ± 2.8e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

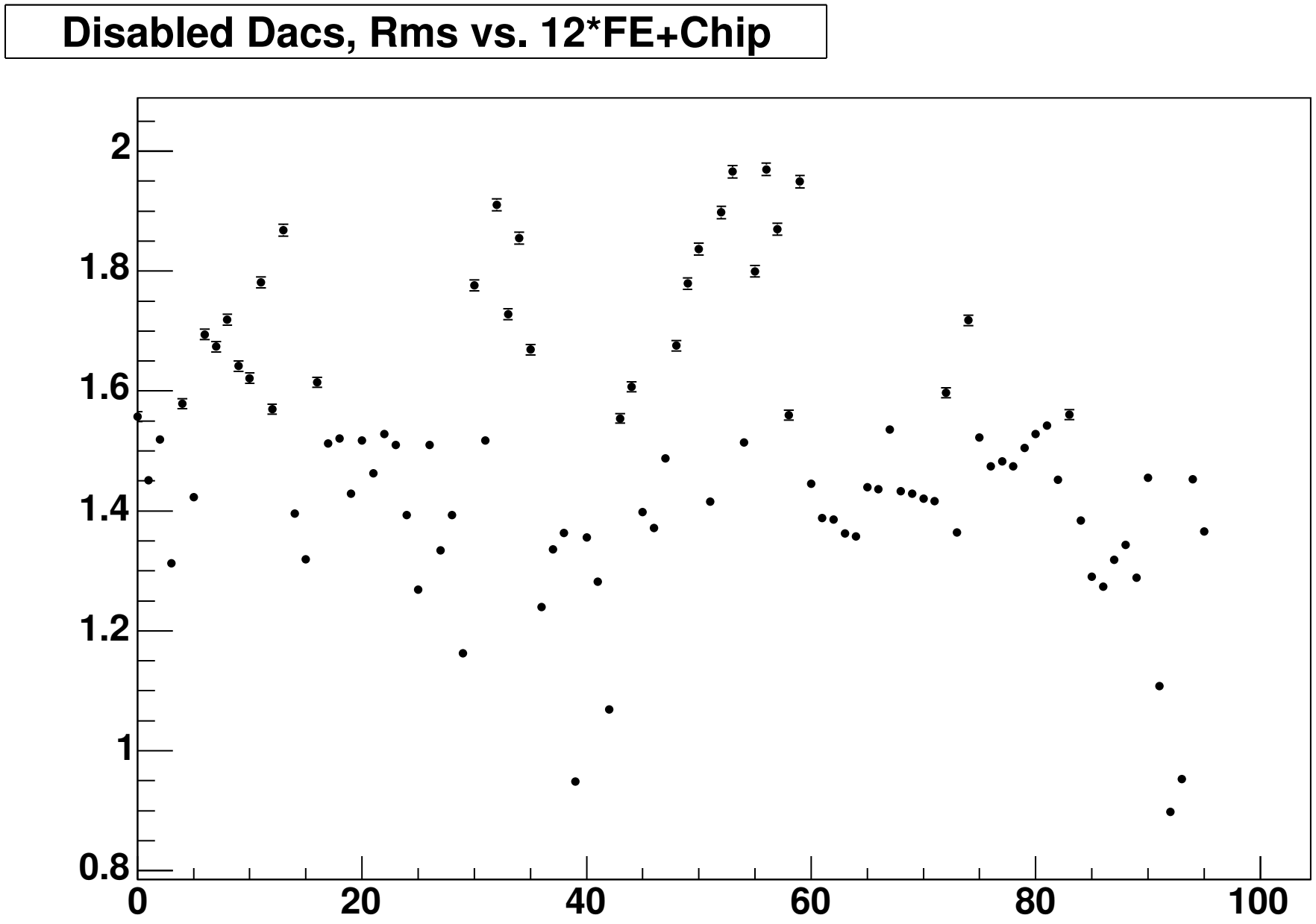

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 86.42 / 18
p0 -28.45 ± 0.007494
p1 1.81e-07 ± 3.15e-07
-28.3
-28.35
-28.4
-28.45
-28.5
0
10000
20000
30000
40000
50000
60000

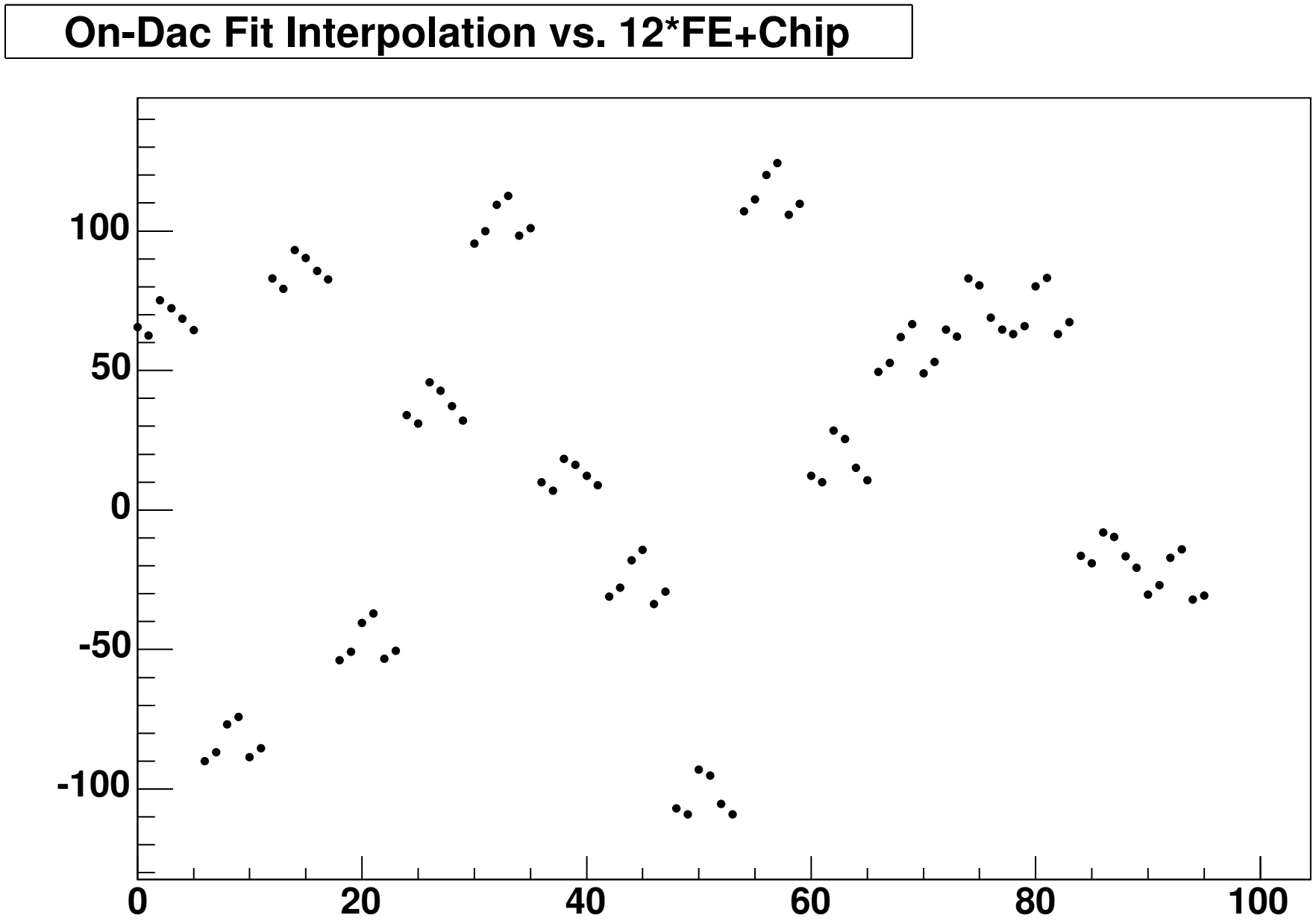

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 26.27 / 18
p0 1.52 ± 0.002562
p1 -1.017e-13 ± 4.779e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

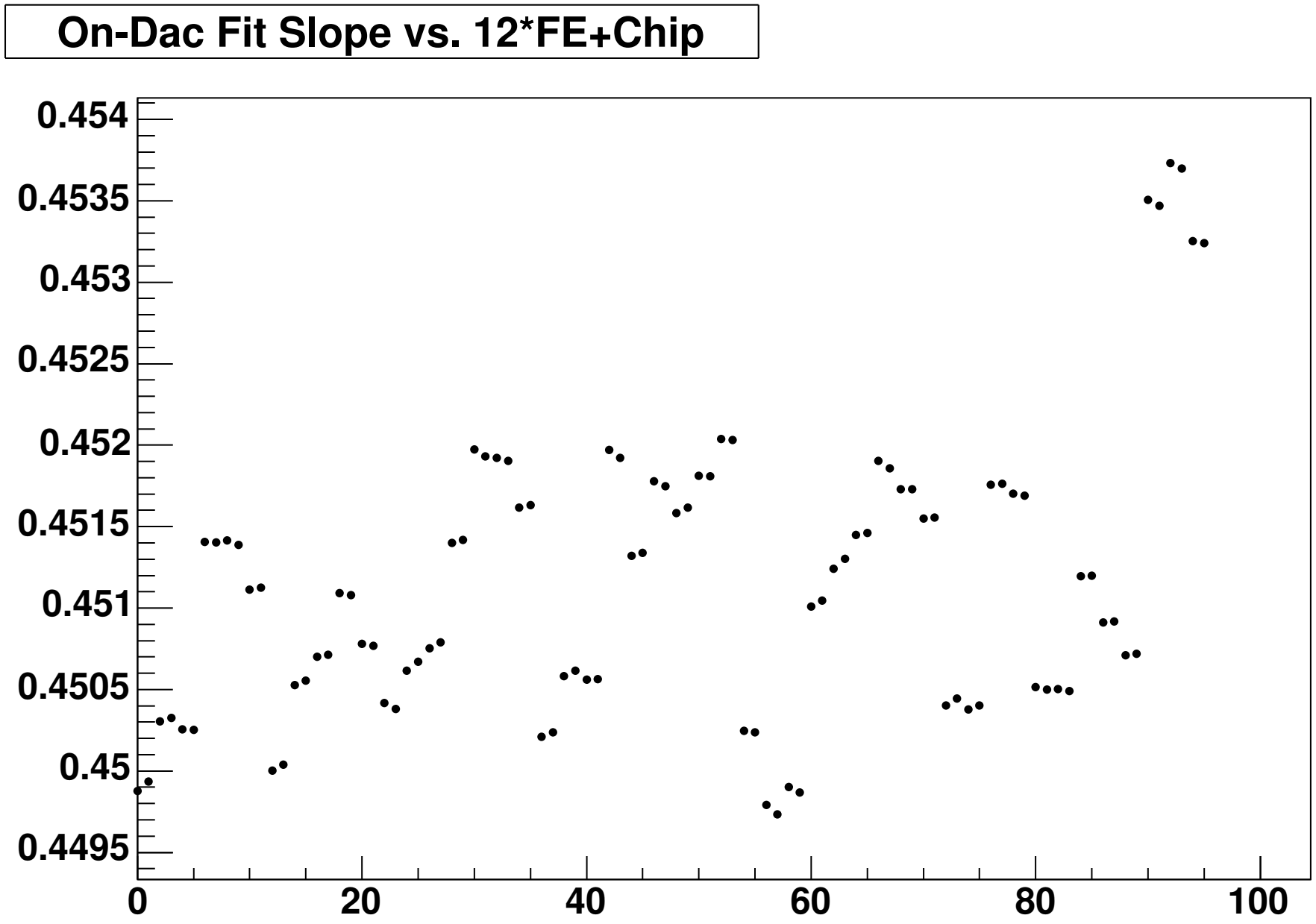

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 6.658e+04 / 18
p0 -30.63 ± 0.007383
p1 0.4532 ± 3.493e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

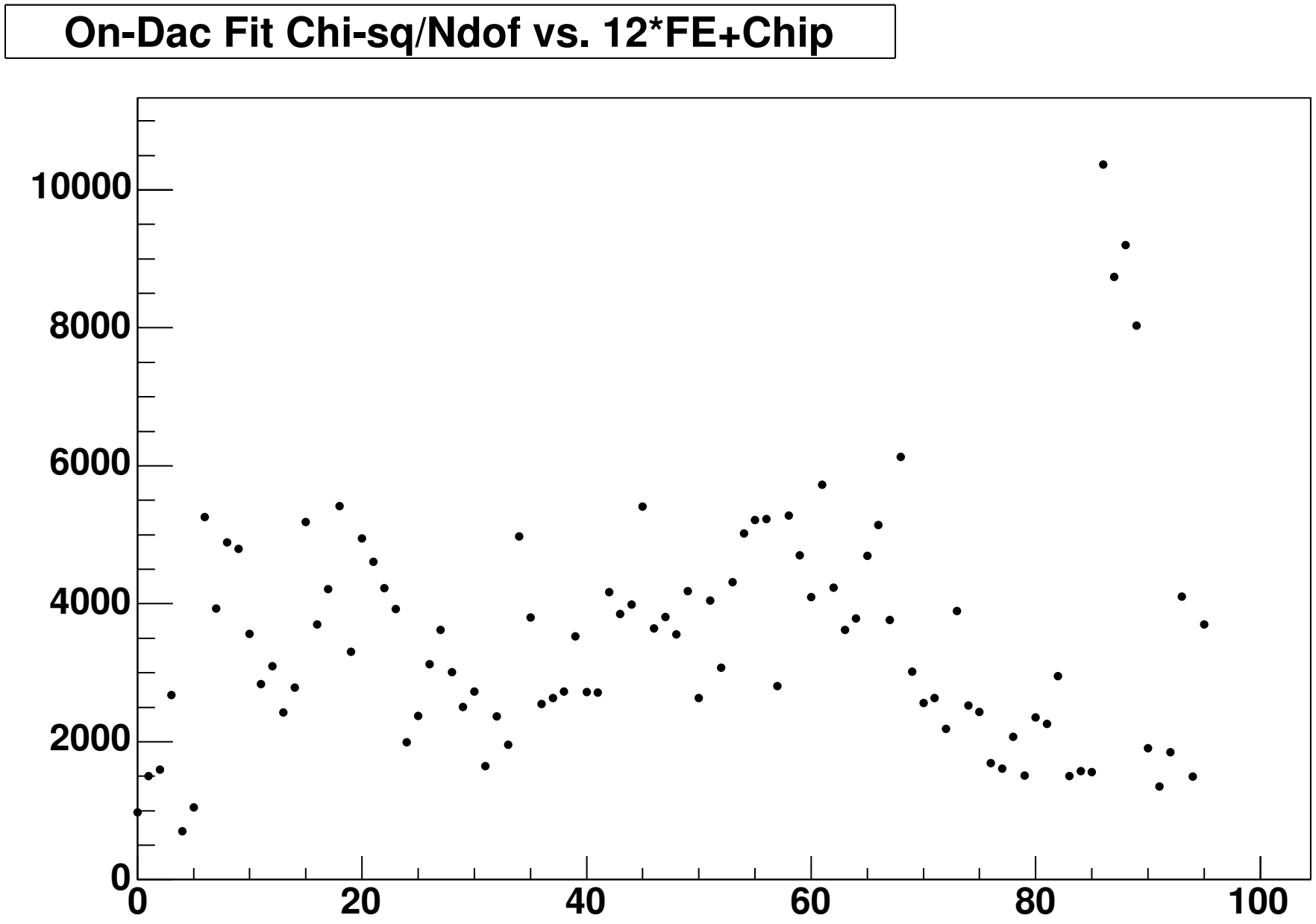

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 2491 / 18
p0 1.328 ± 0.003994
p1 3.807e-05 ± 2.658e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000

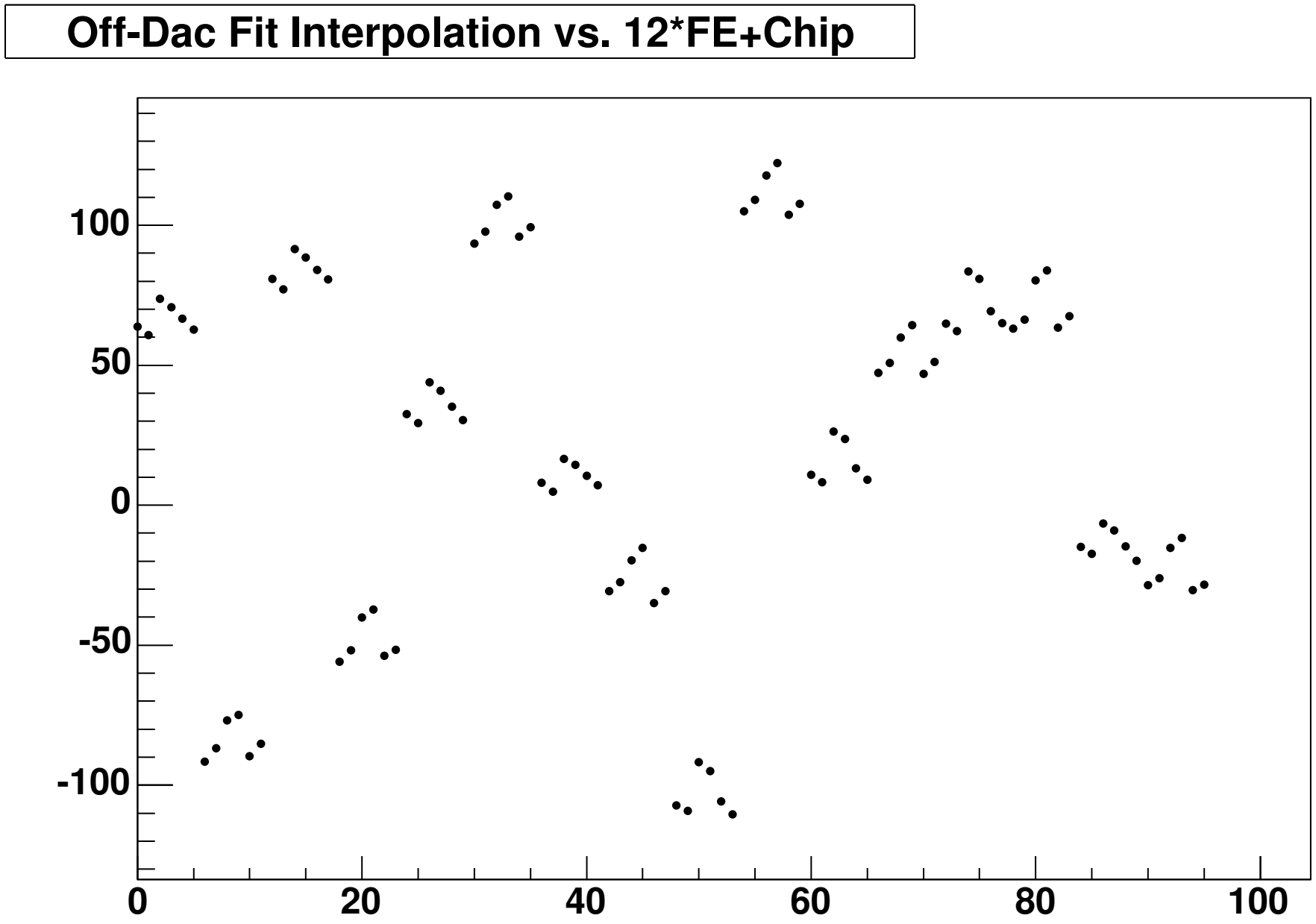

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
-60
0
20
40
60
80
100

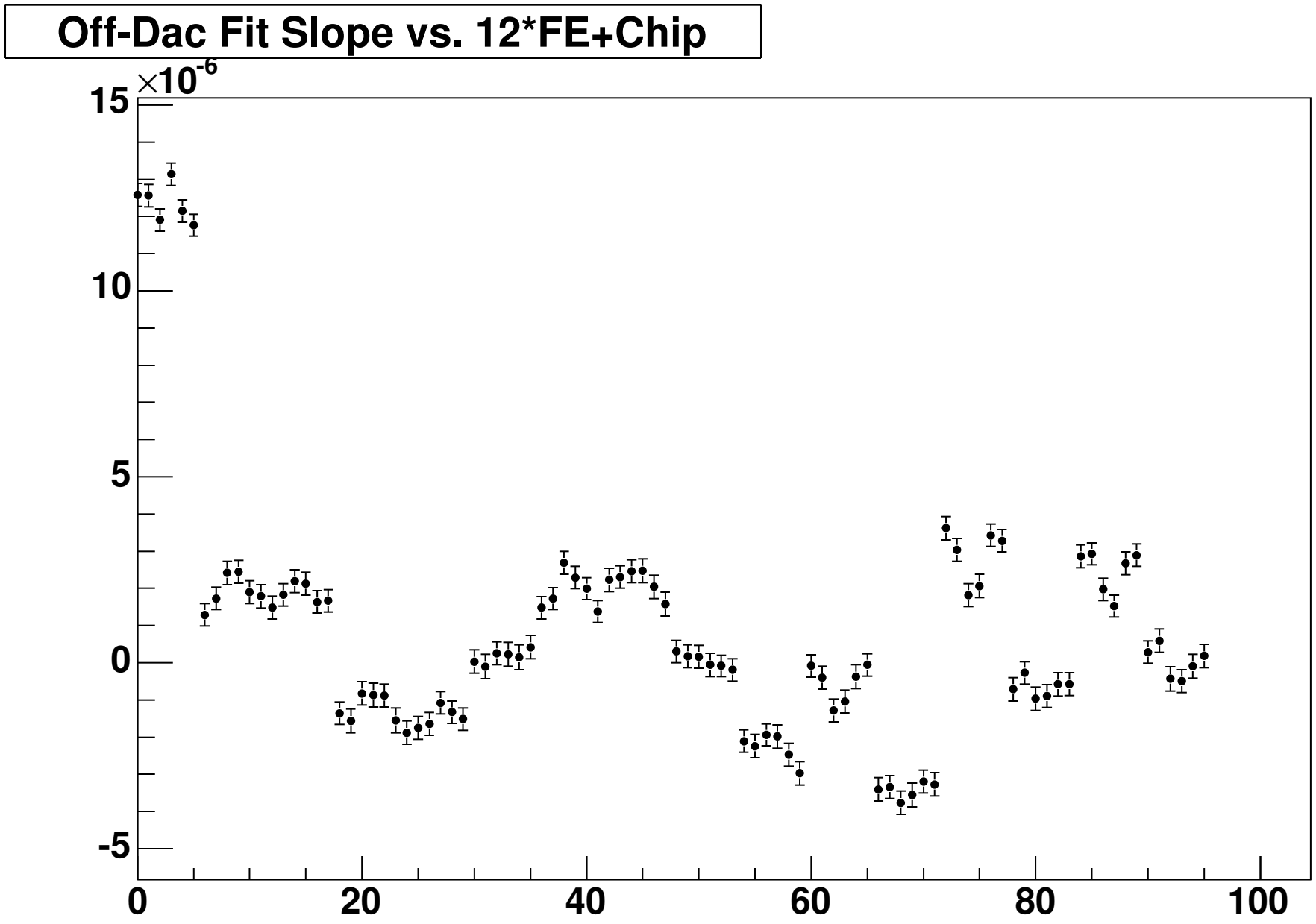

Disabled Dacs, Rms vs. 12*FE+Chip
2
1.8
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

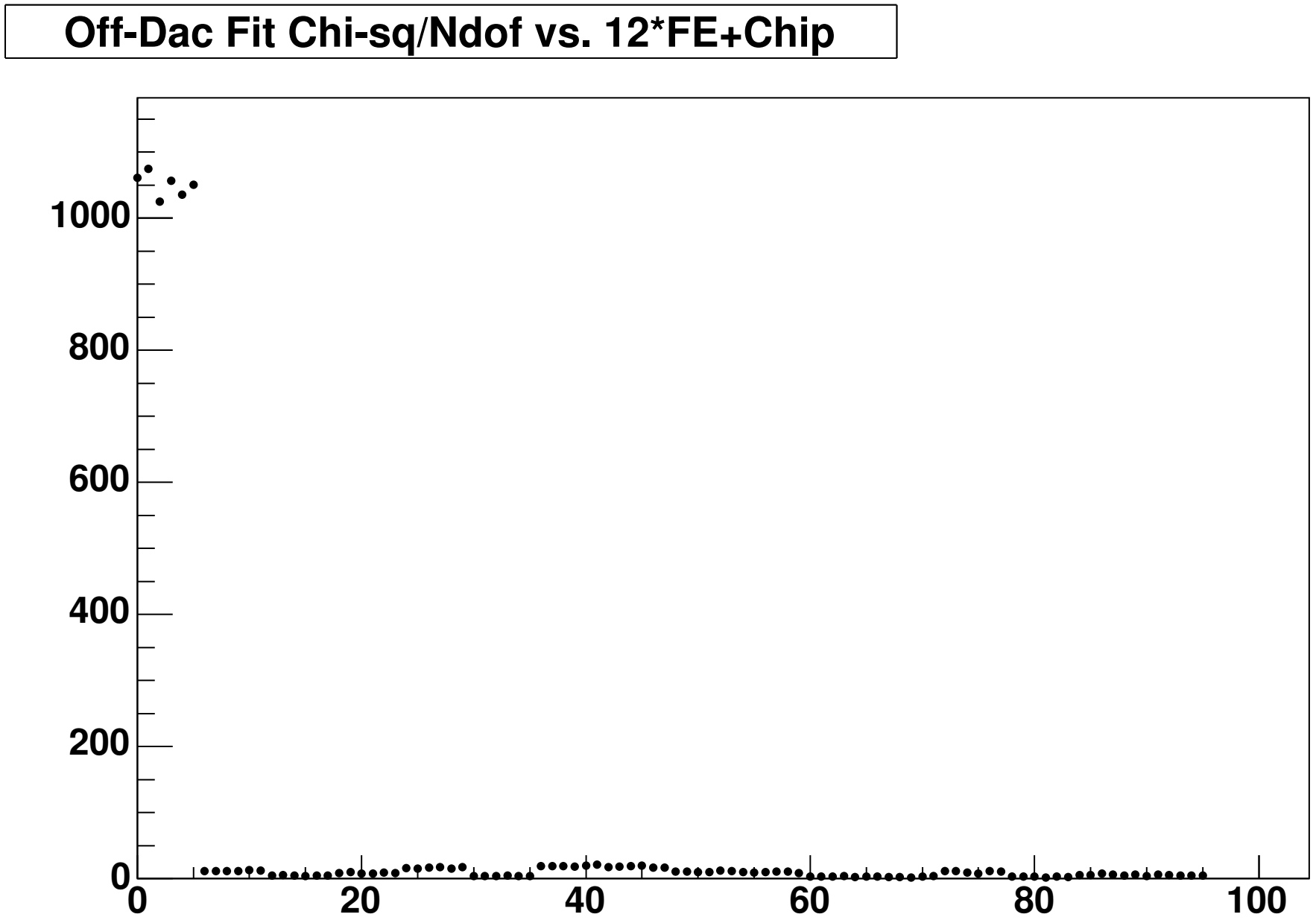

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

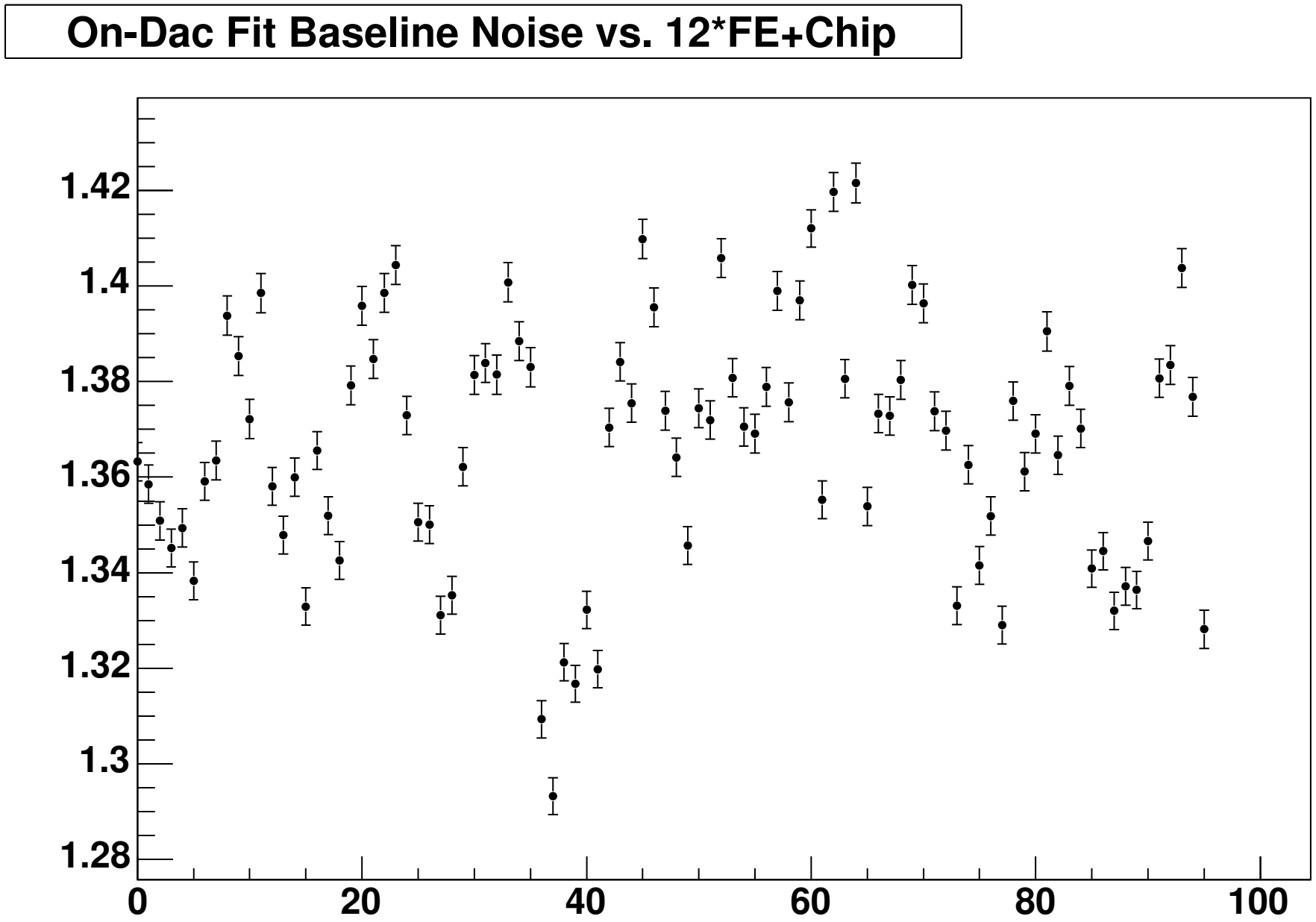

On-Dac Fit Slope vs. 12*FE+Chip
0.454
0.4535
0.453
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0
20
40
60
80
100

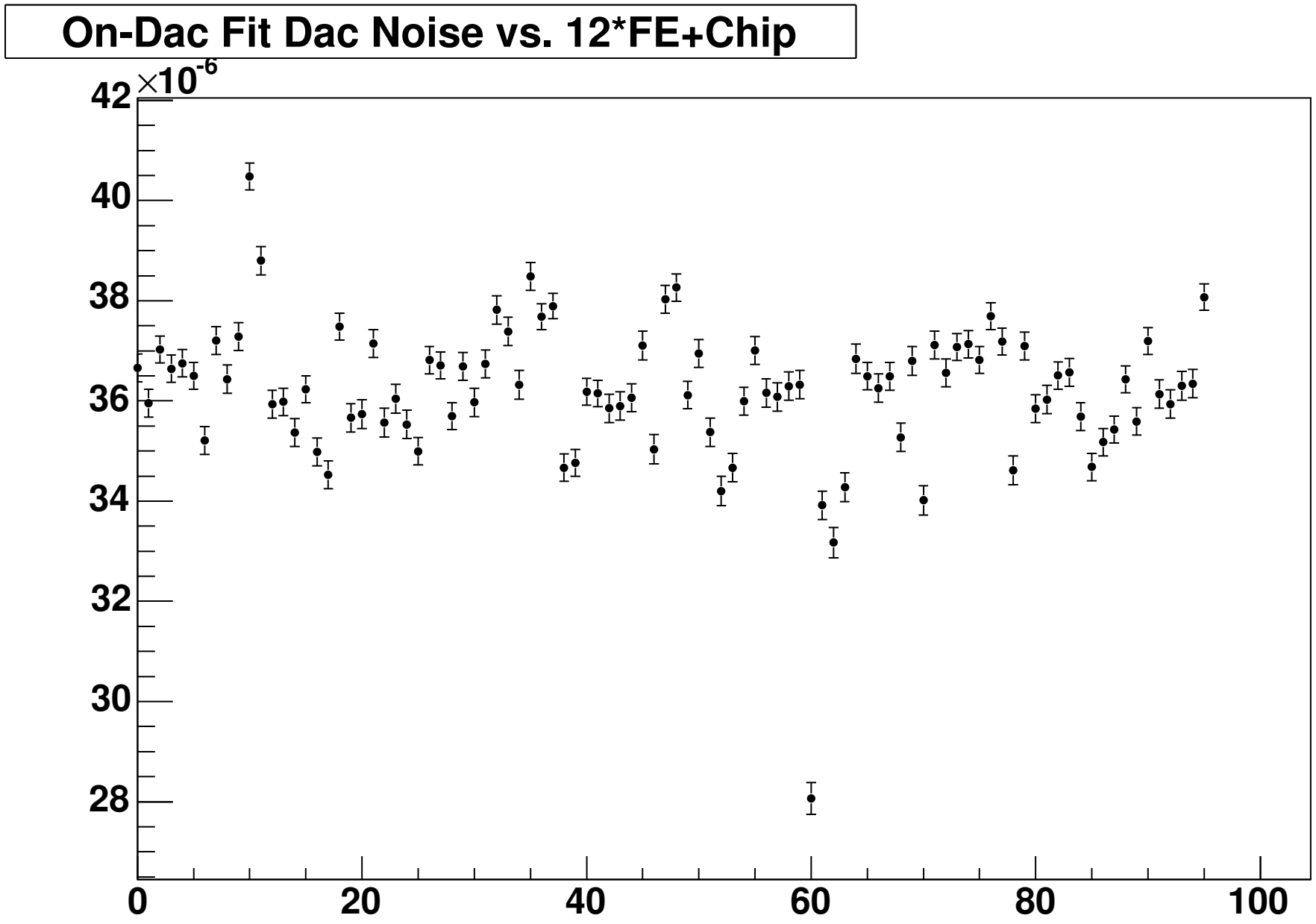

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

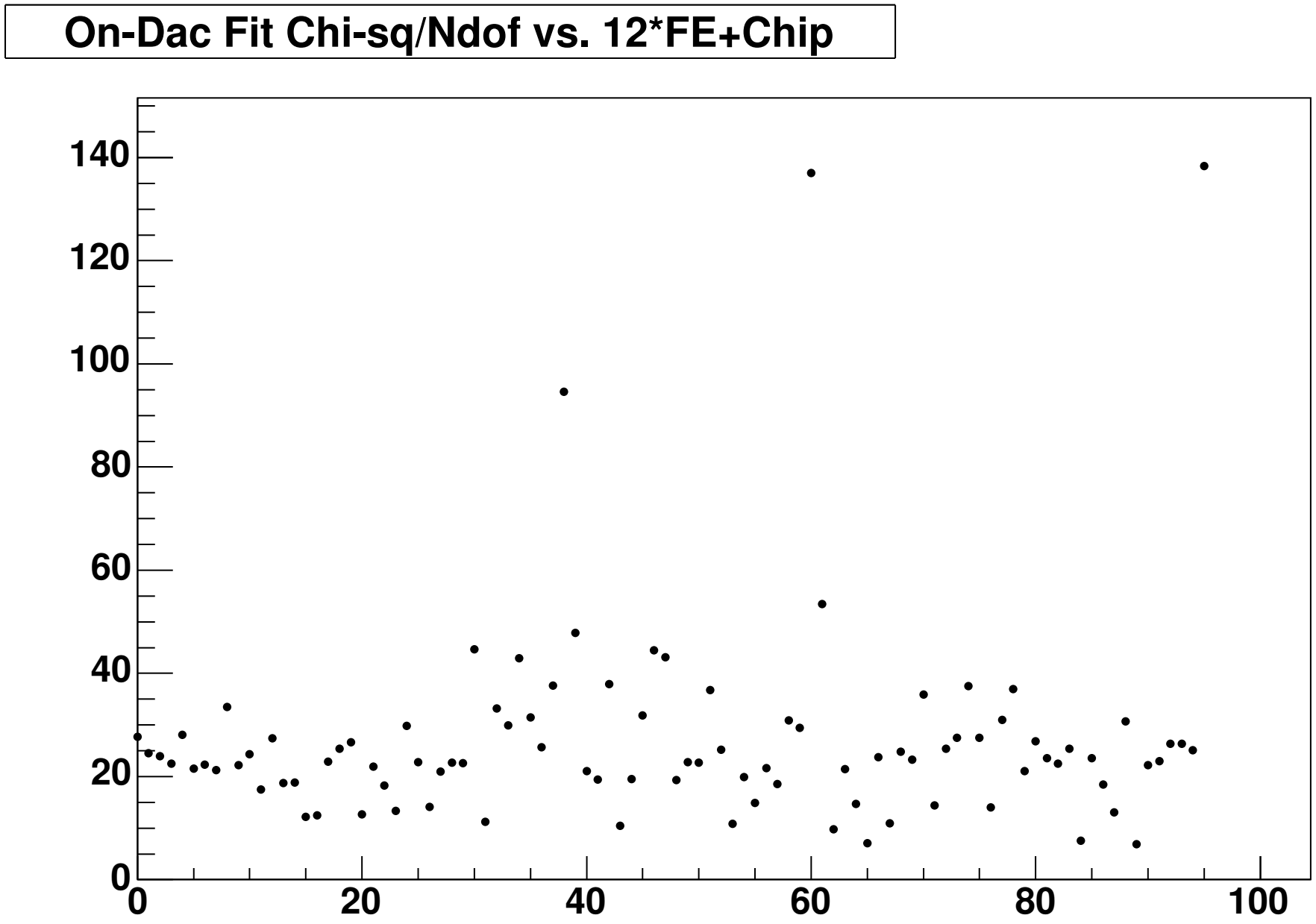

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

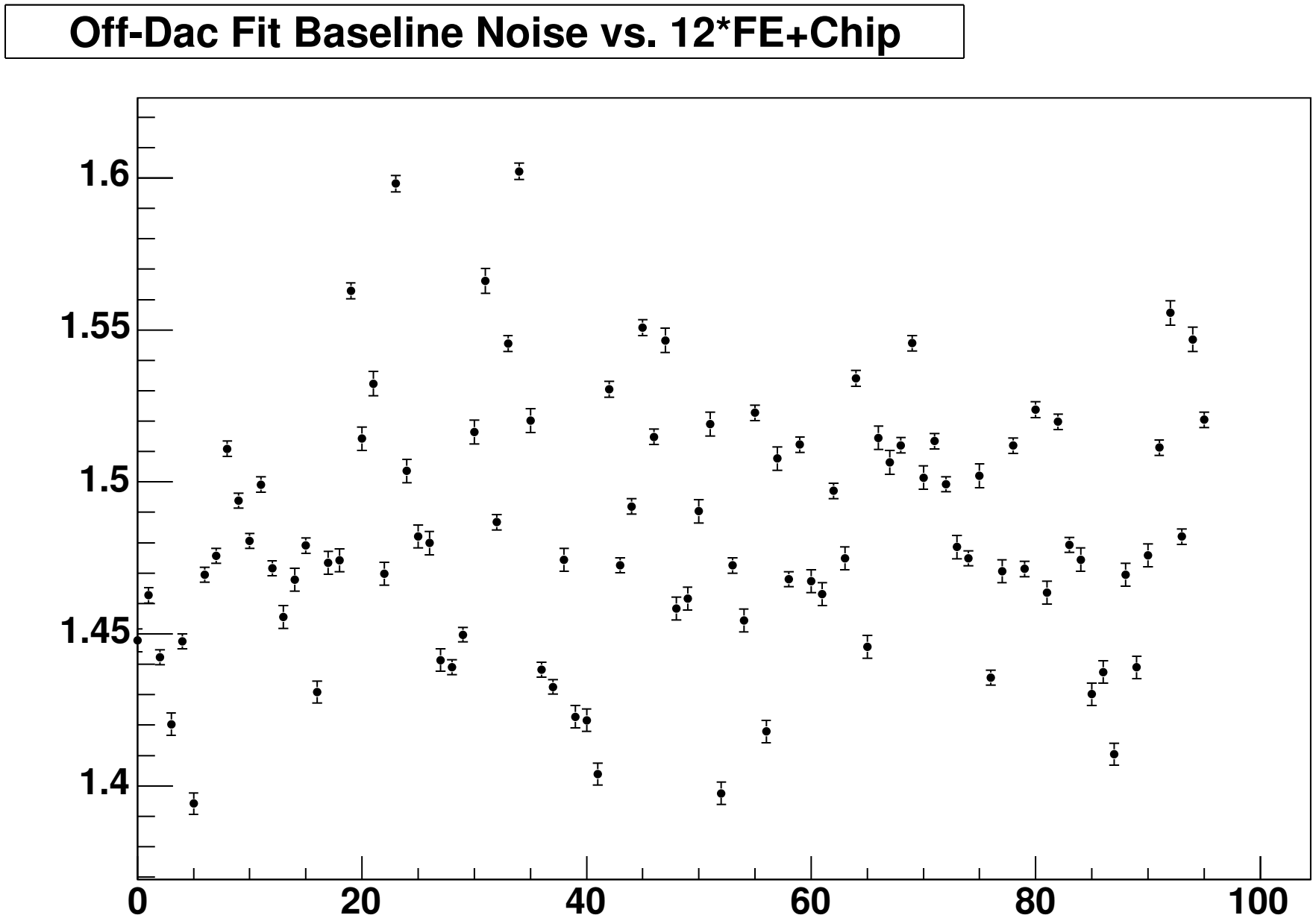

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
15
10
5
0
-5
0
20
40
60
80
100

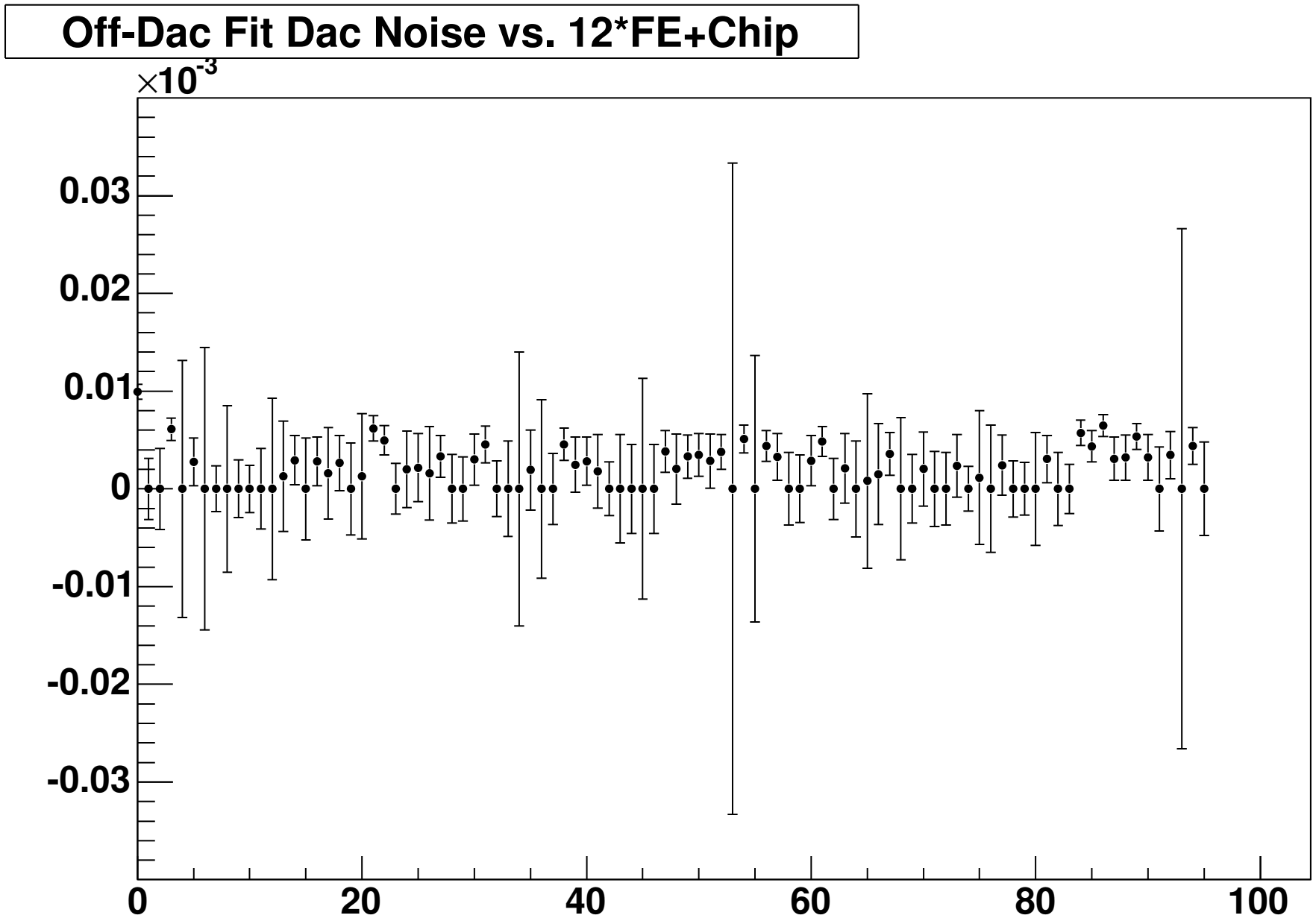

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
1000
800
600
400
200
0
0
20
40
60
80
100

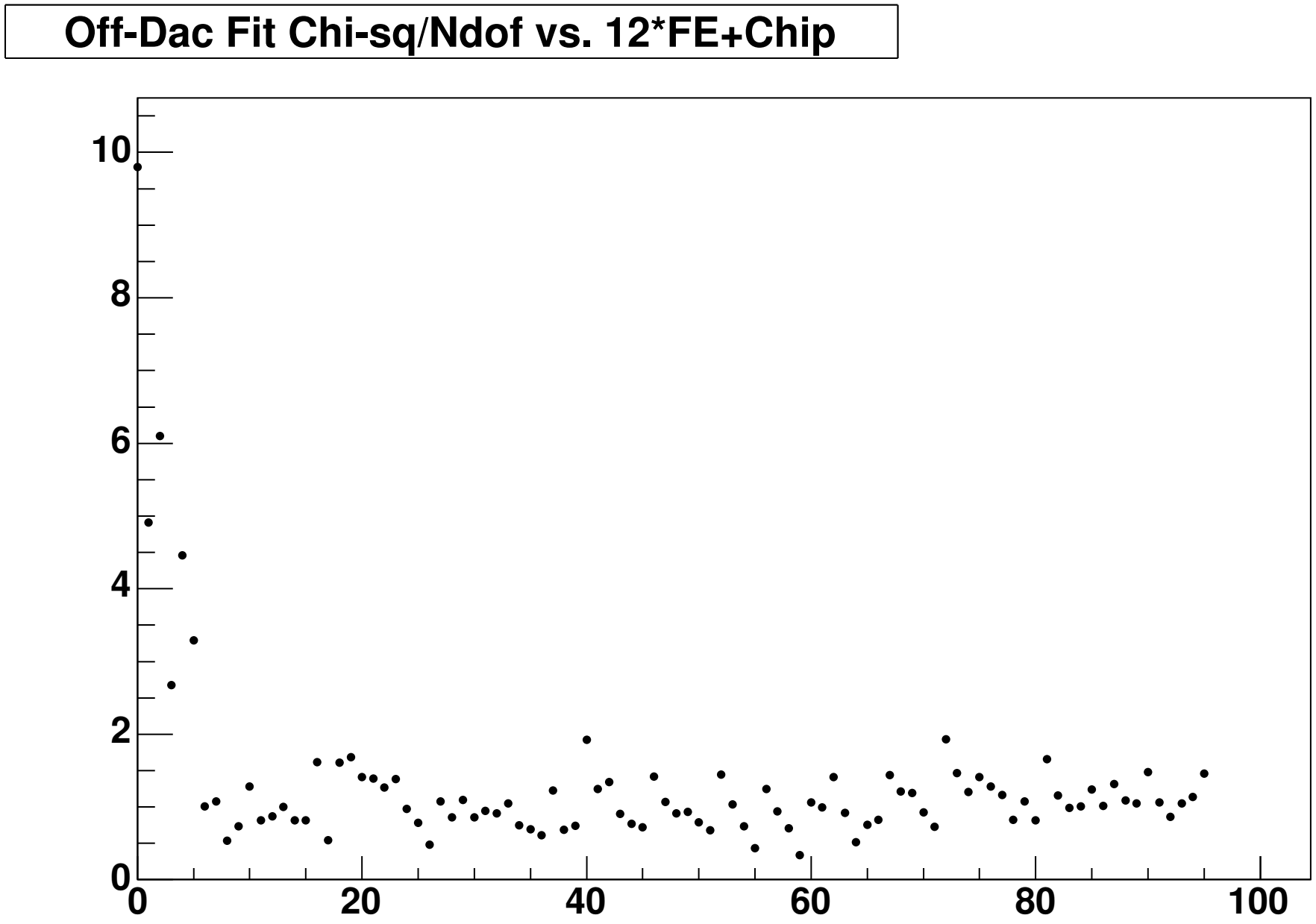

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
0
20
40
60
80
100

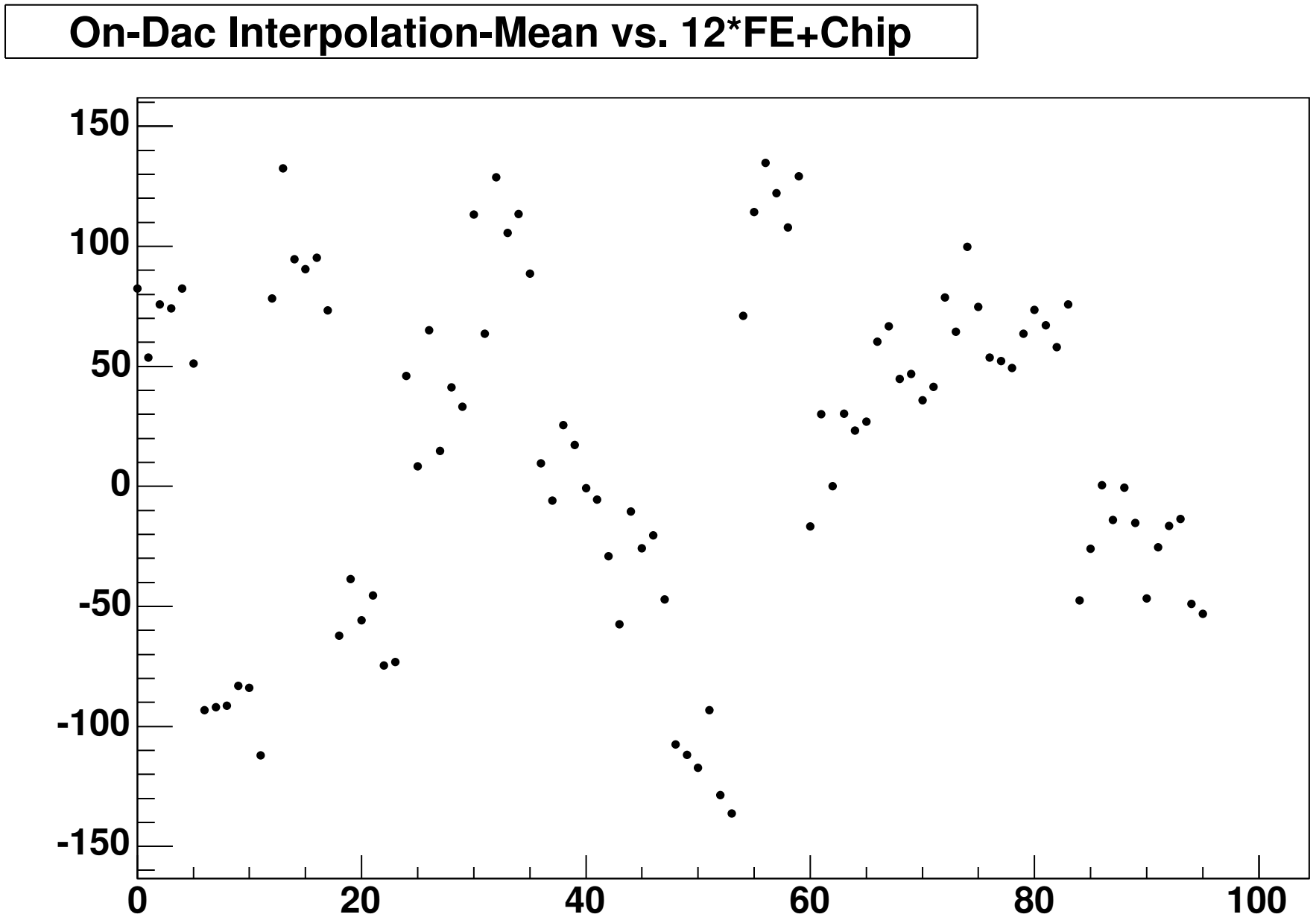

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
42
40
38
36
34
32
30
28
0
20
40
60
80
100

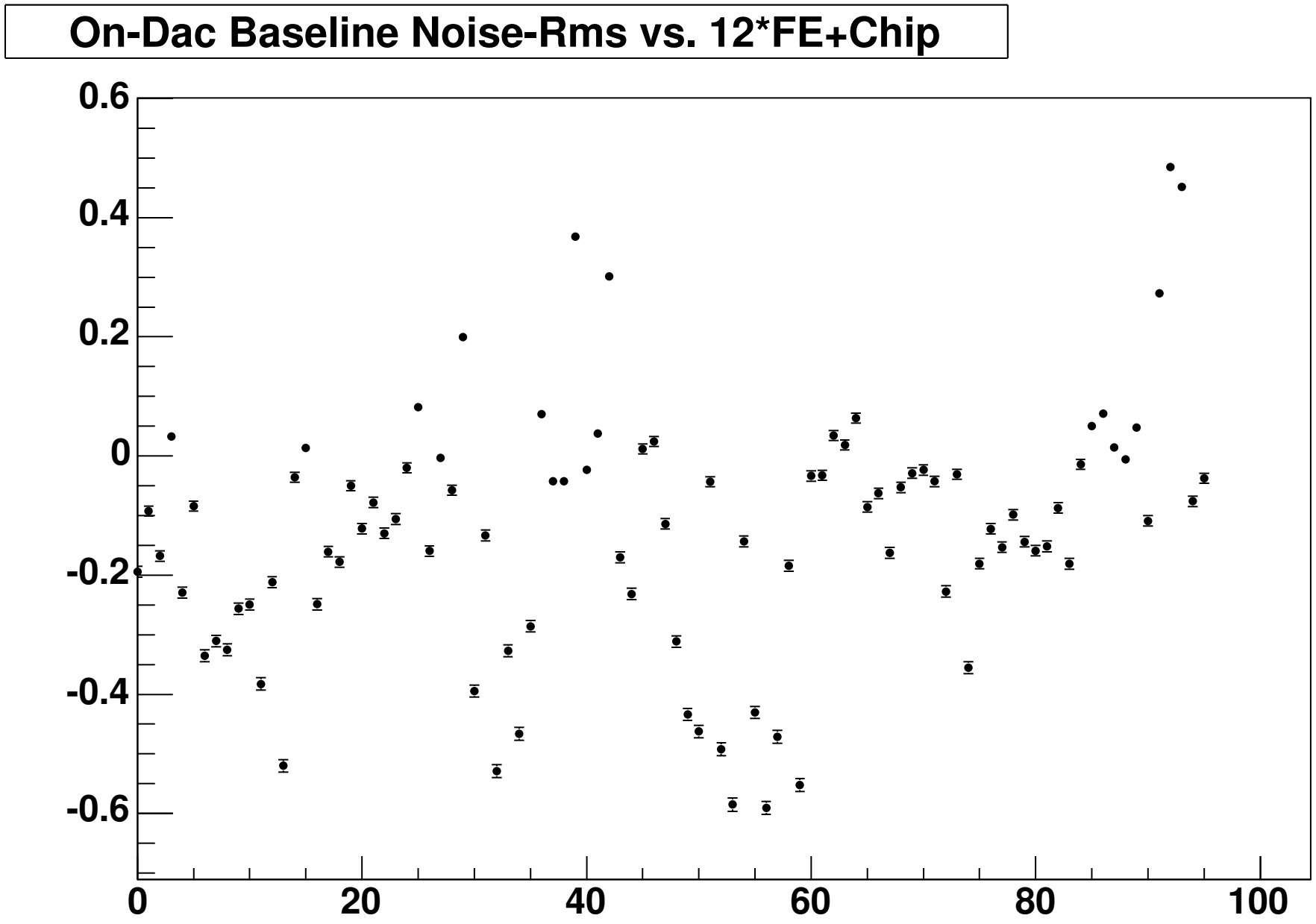

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
140
120
100
80
60
40
20
0
0
20
40
60
80
100

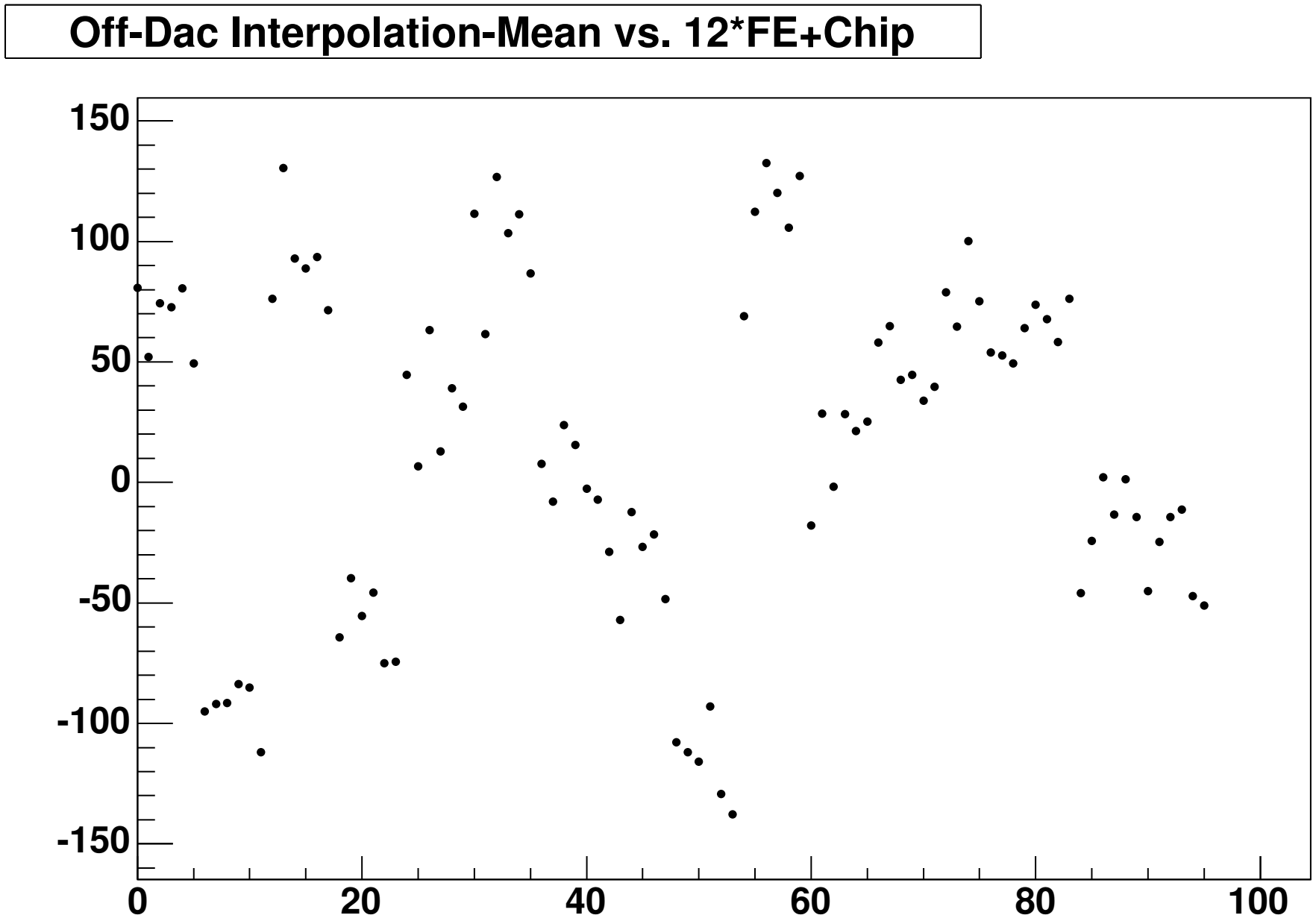

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.55
1.5
1.45
1.4
0
20
40
60
80
100

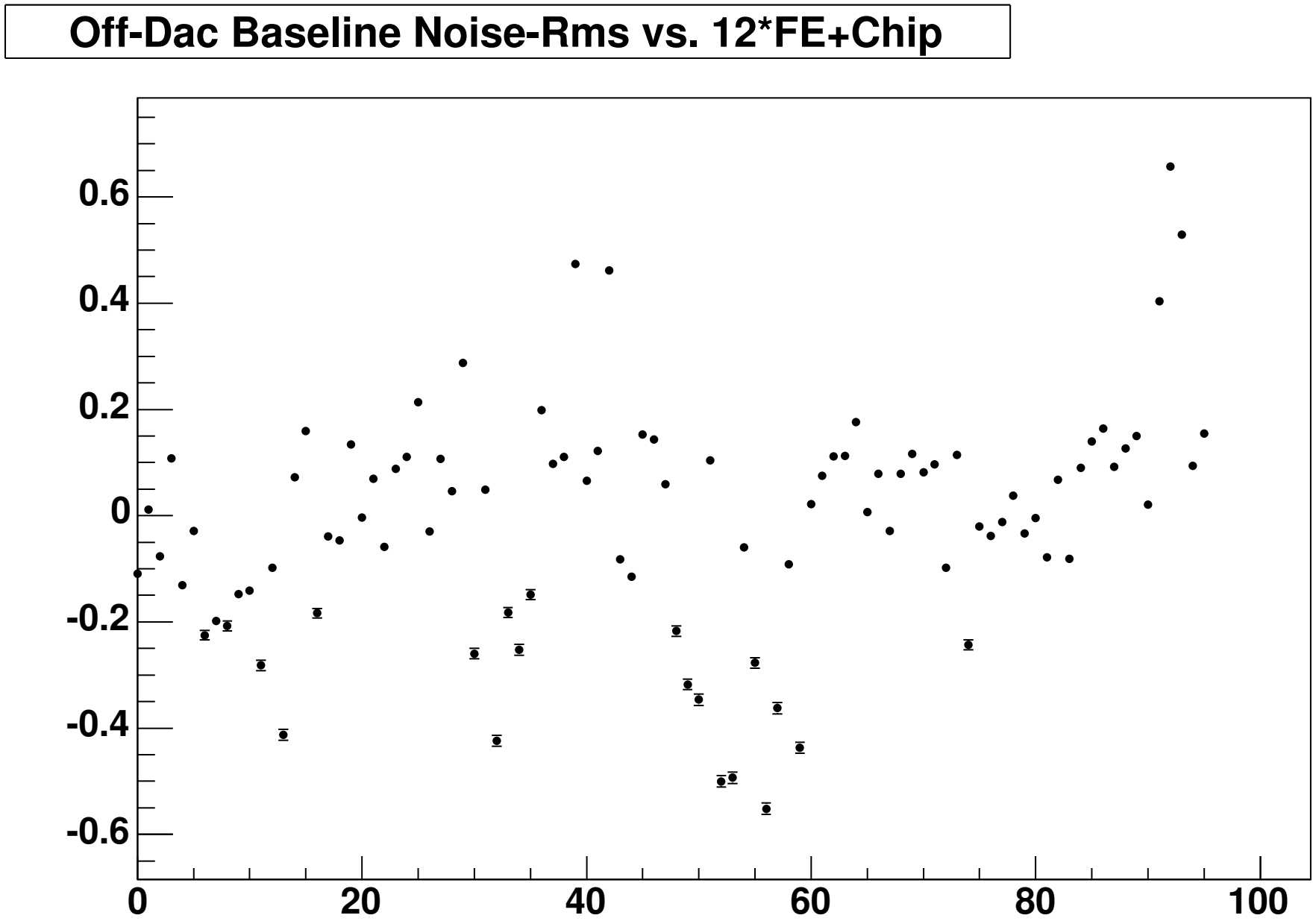

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
0
20
40
60
80
100


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


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


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


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


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