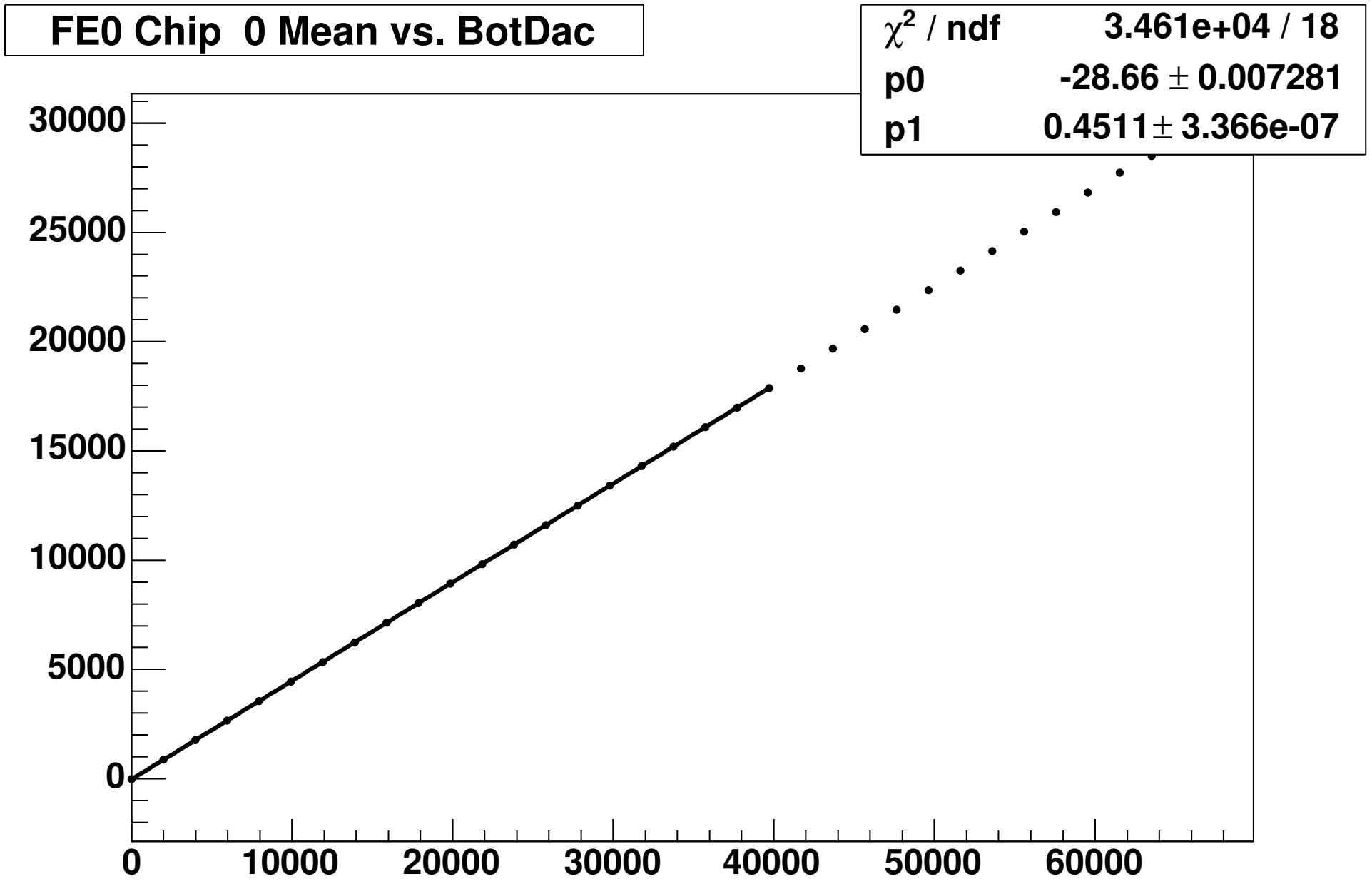
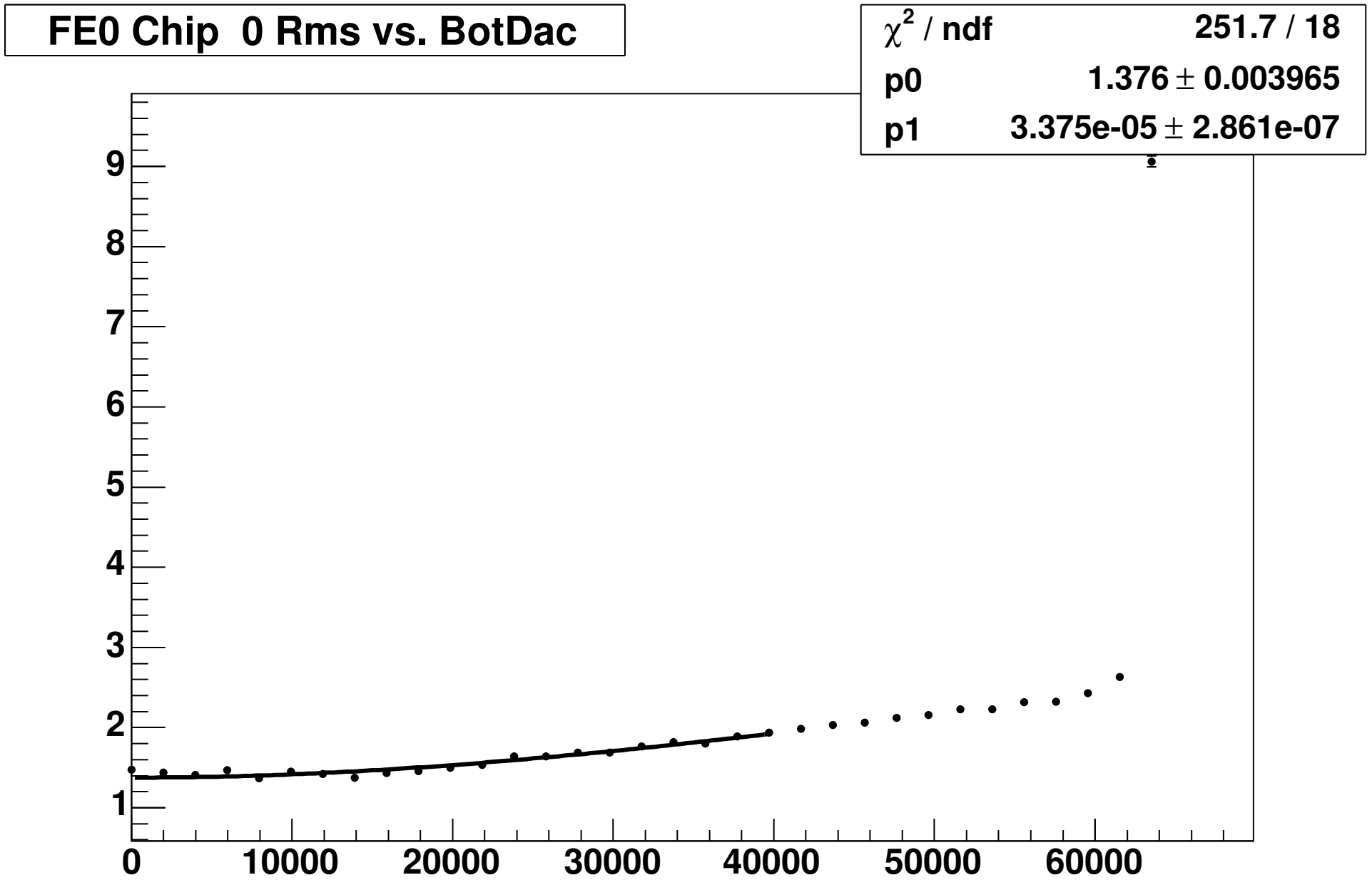

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 3.461e+04 / 18
p0 -28.66 ± 0.007281
p1 0.4511 ± 3.366e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 251.7 / 18
p0 1.376 ± 0.003965
p1 3.375e-05 ± 2.861e-07
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8
7
6
5
4
3
2
1
0
10000
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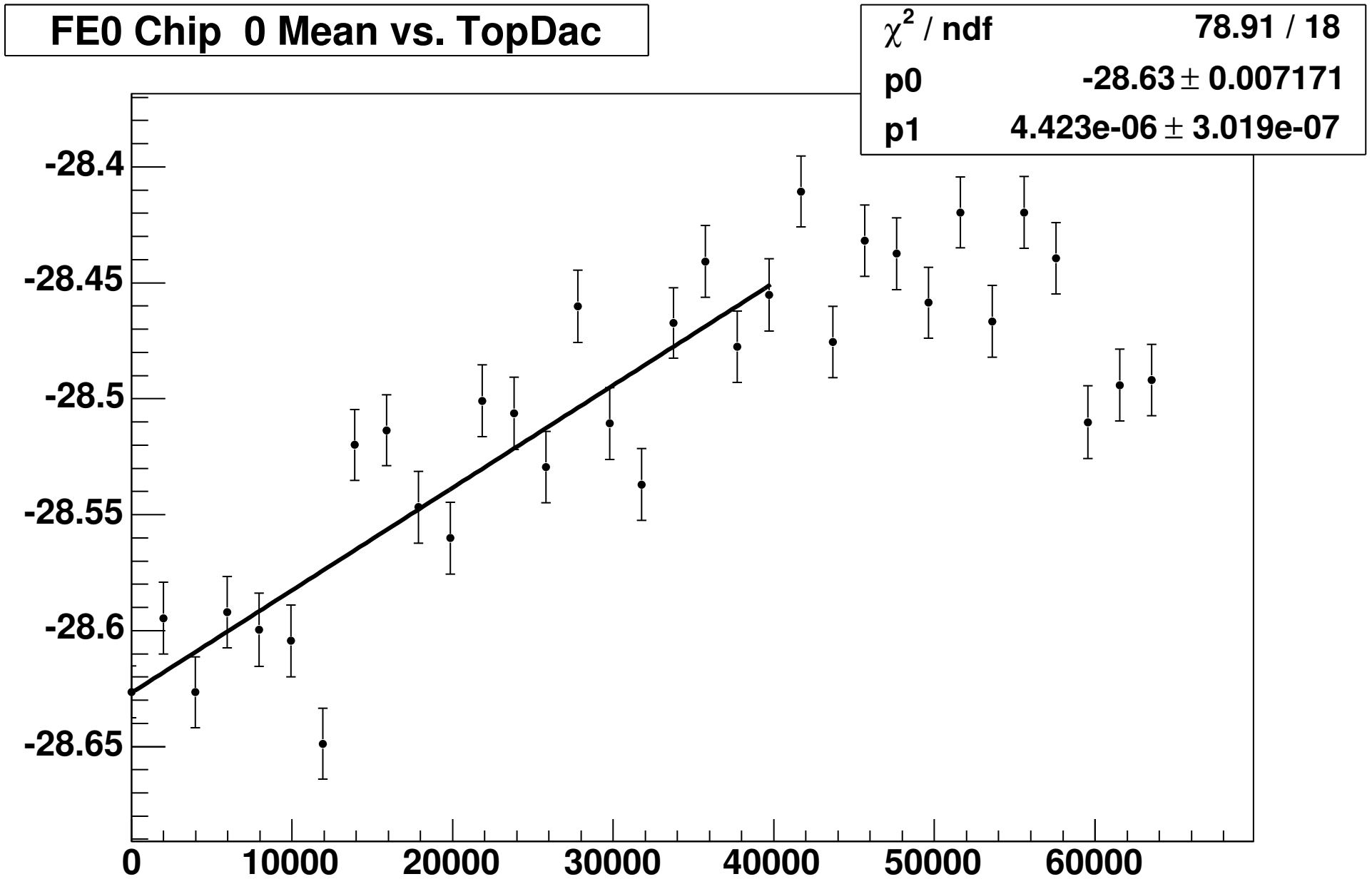
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 78.91 / 18
p0 -28.63 ± 0.007171
p1 4.423e-06 ± 3.019e-07
-28.4
-28.45
-28.5
-28.55
-28.6
-28.65
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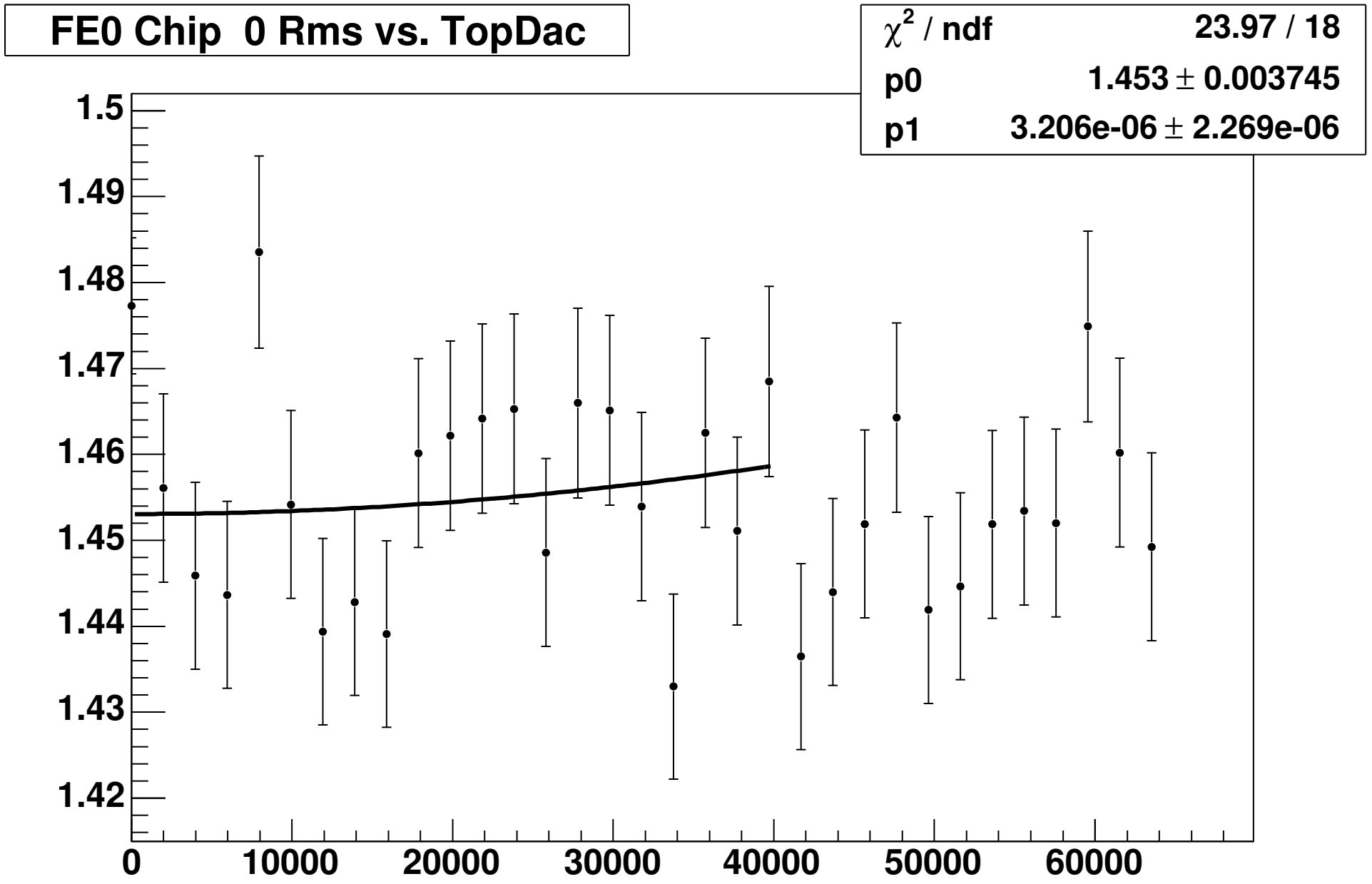
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 23.97 / 18
p0 1.453 ± 0.003745
p1 3.206e-06 ± 2.269e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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50000
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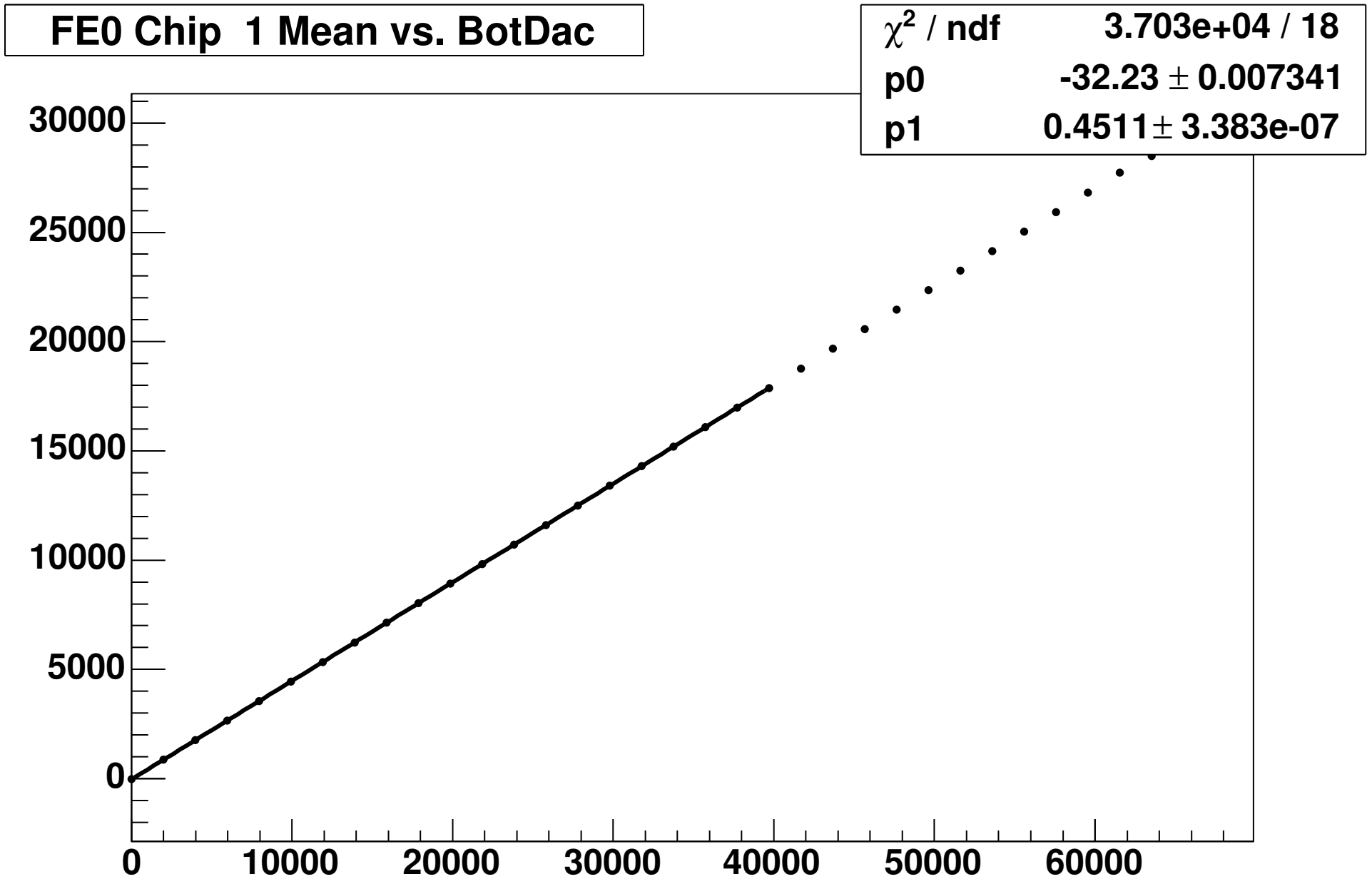
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 3.703e+04 / 18
p0 -32.23 ± 0.007341
p1 0.4511 ± 3.383e-07
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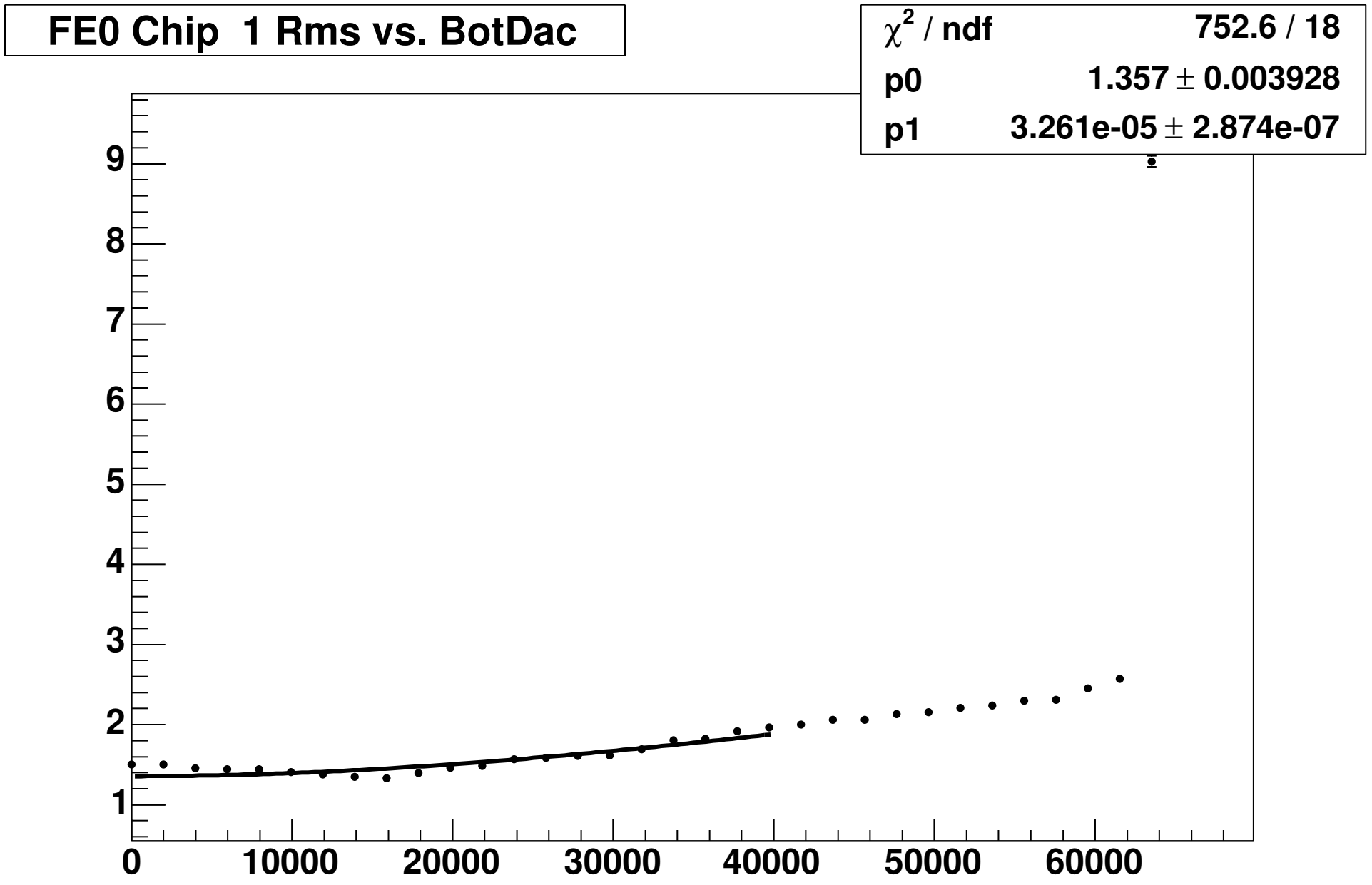
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 752.6 / 18
p0 1.357 ± 0.003928
p1 3.261e-05 ± 2.874e-07
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8
7
6
5
4
3
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1
0
10000
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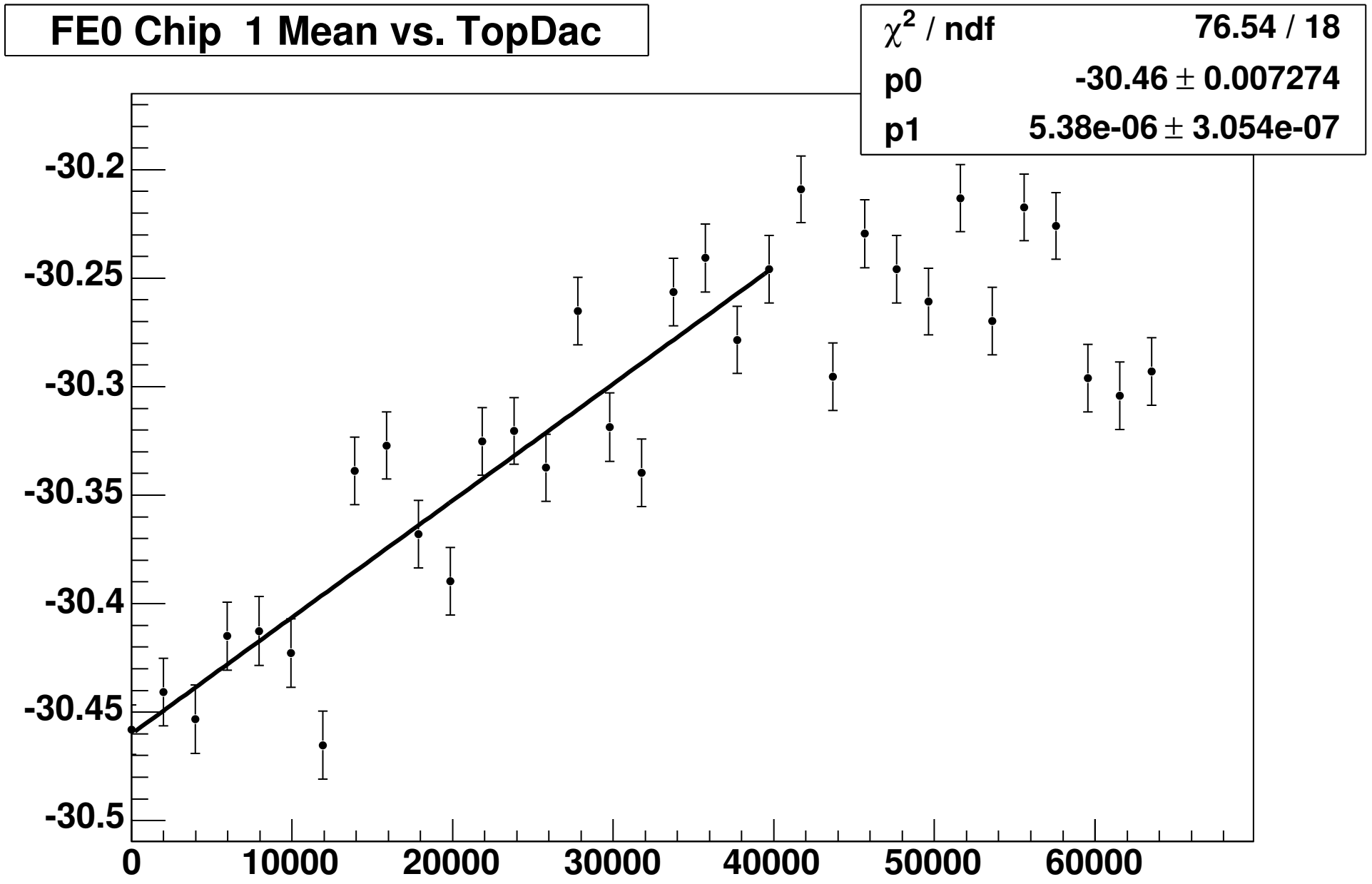
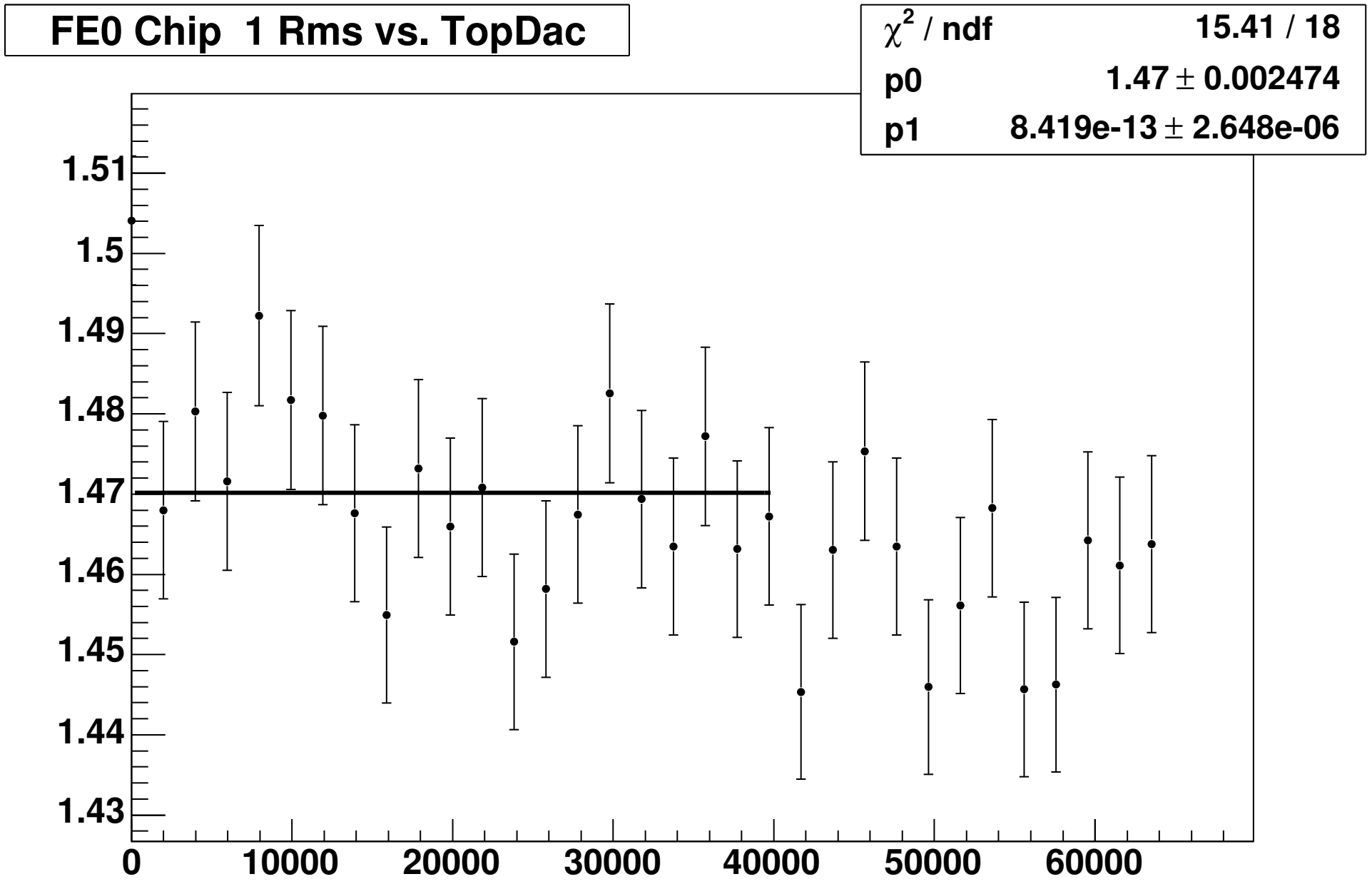
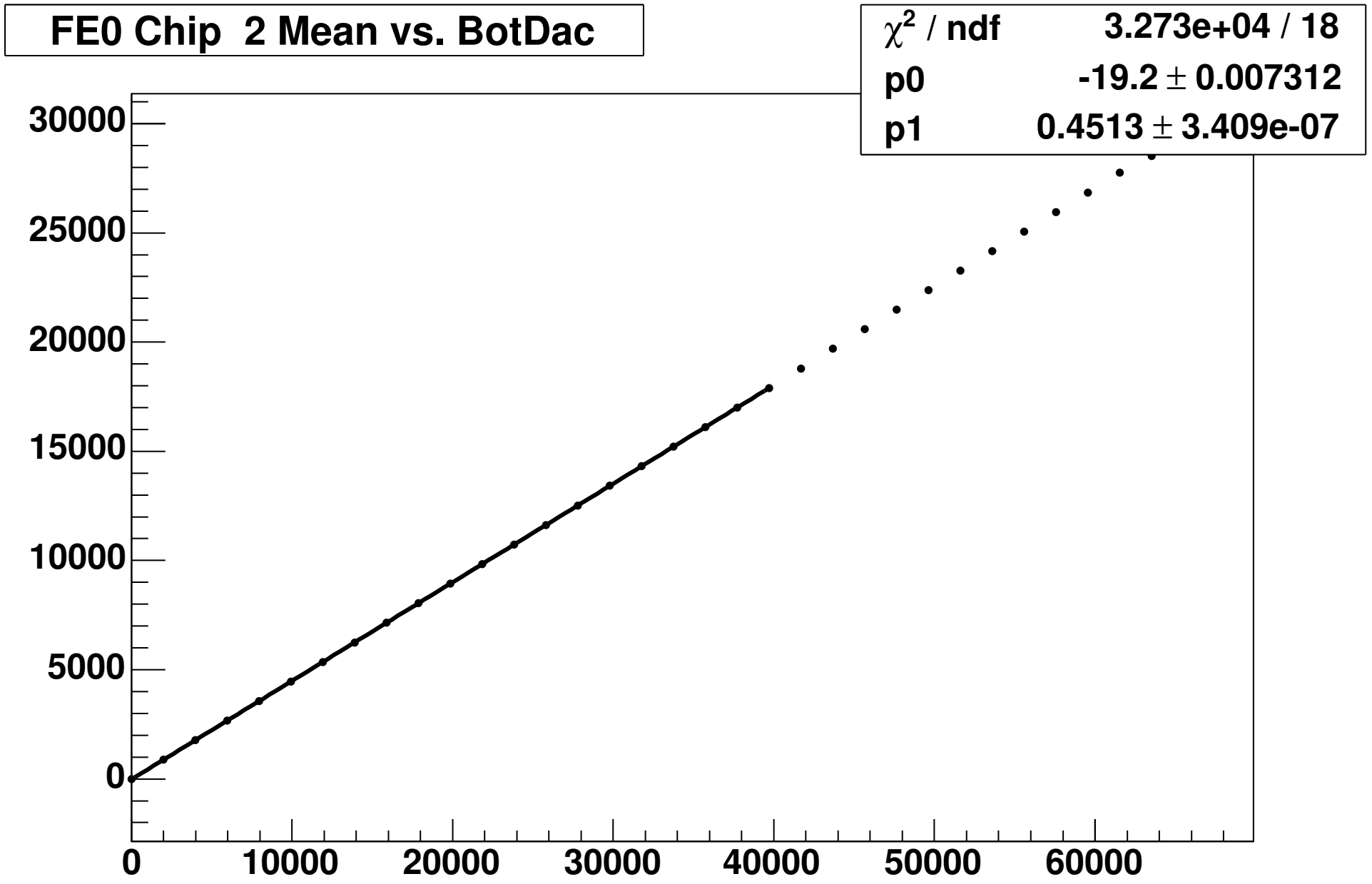
30000
40000
50000
60000


FE0 Chip 1 Mean vs. TopDac
χ² / ndf 76.54 / 18
p0 -30.46 ± 0.007274
p1 5.38e-06 ± 3.054e-07
-30.2
-30.25
-30.3
-30.35
-30.4
-30.45
-30.5
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 15.41 / 18
p0 1.47 ± 0.002474
p1 8.419e-13 ± 2.648e-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


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 3.273e+04 / 18
p0 -19.2 ± 0.007312
p1 0.4513 ± 3.409e-07
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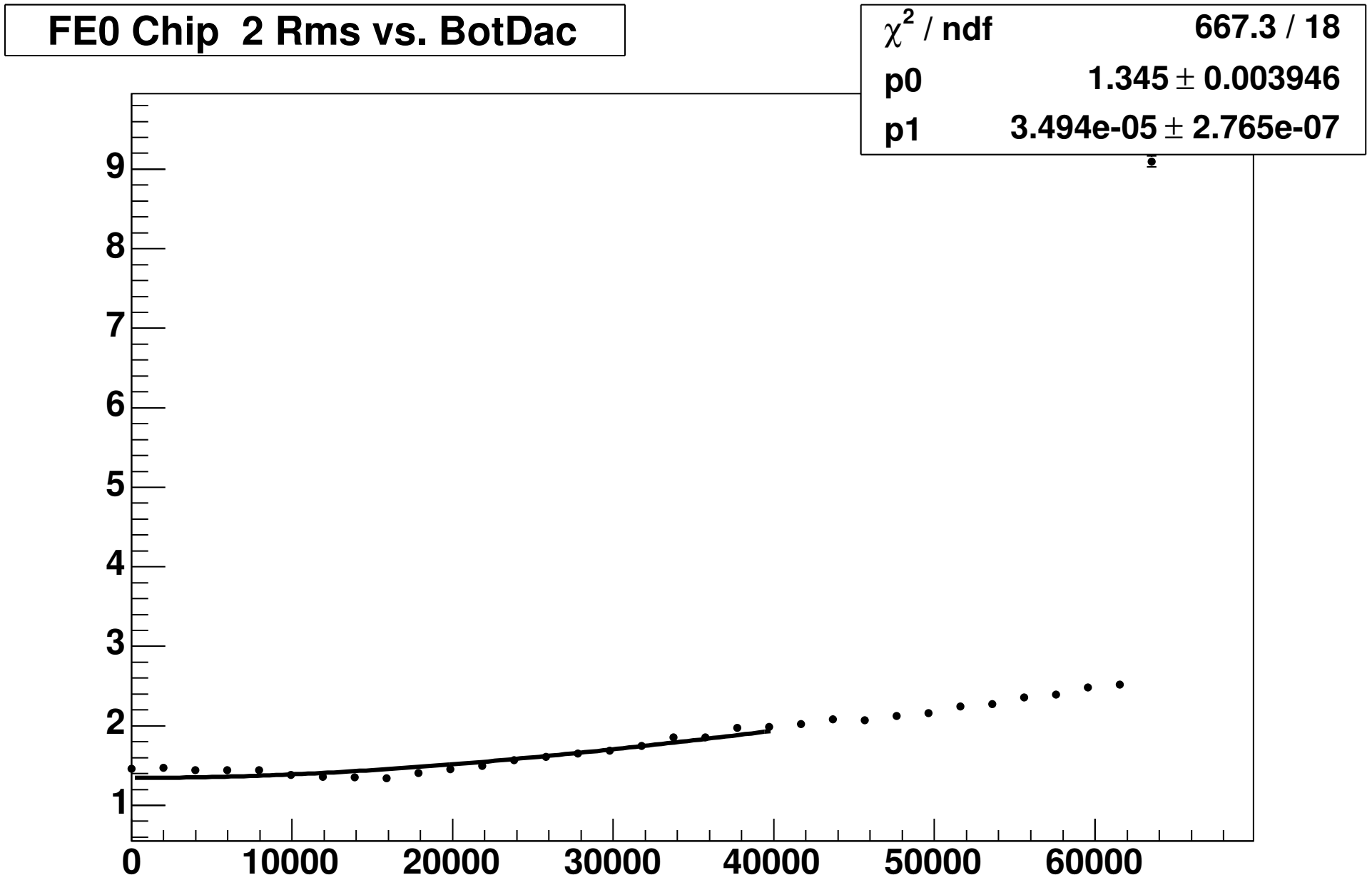
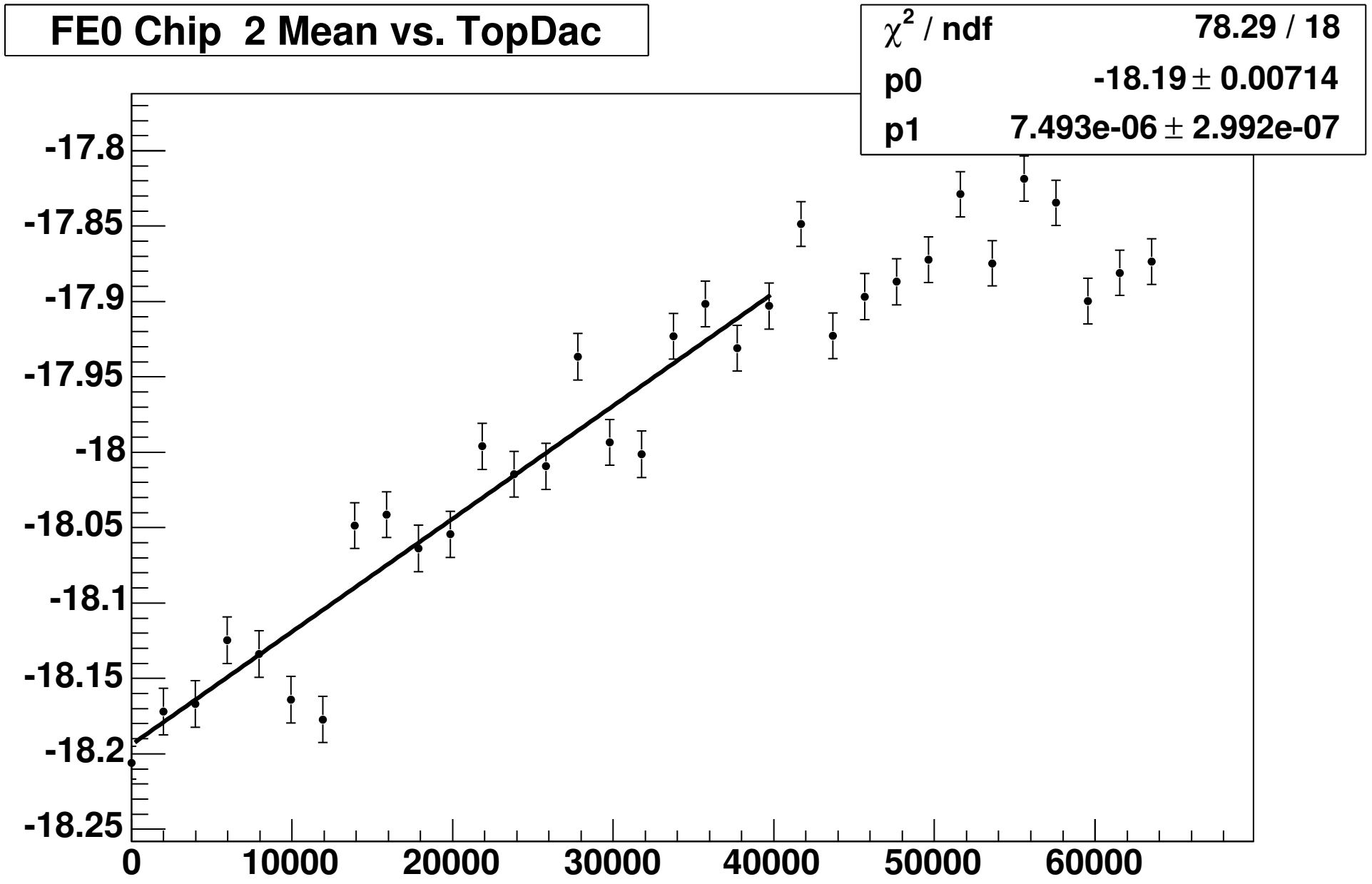
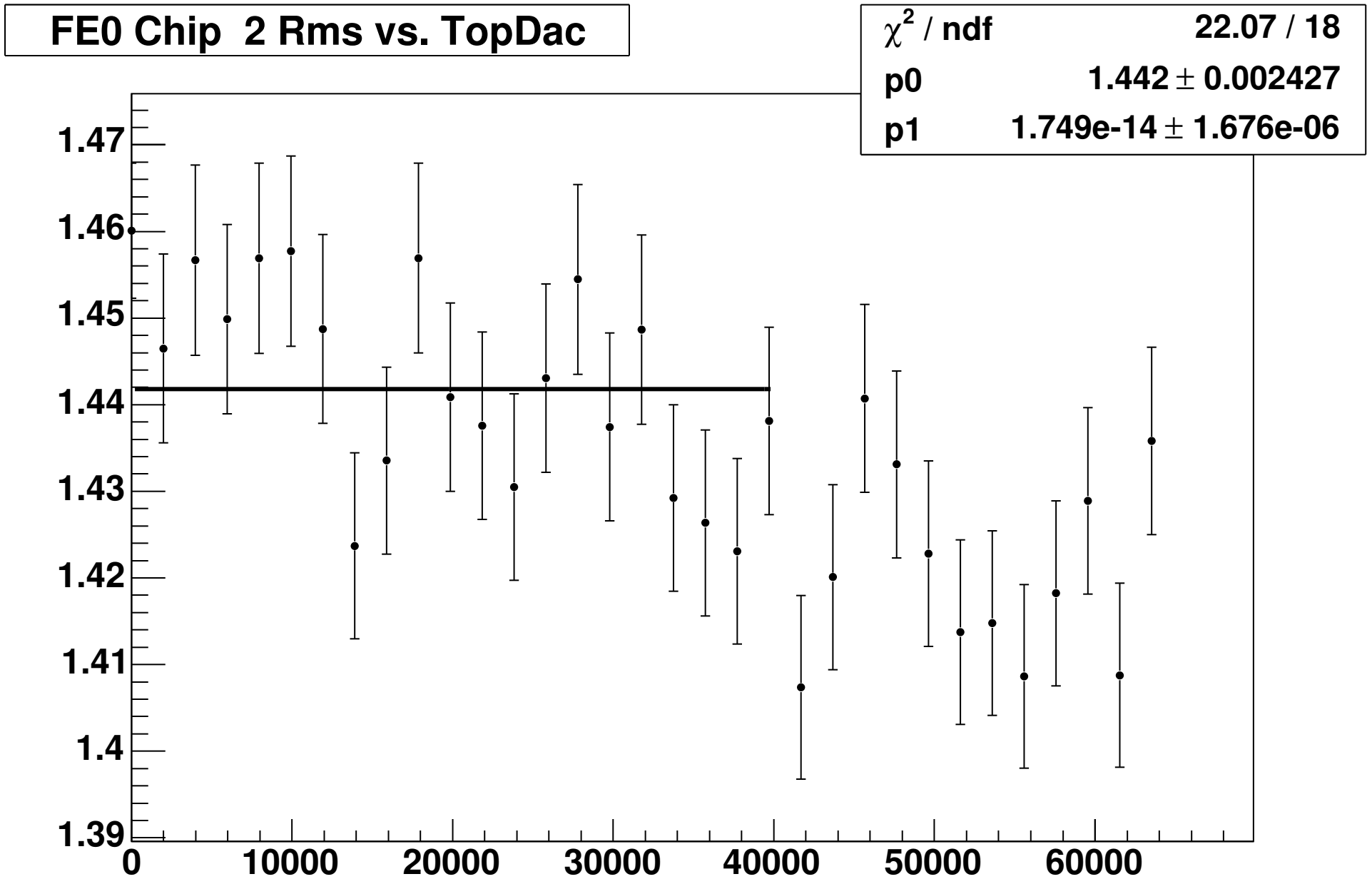
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 667.3 / 18
p0 1.345 ± 0.003946
p1 3.494e-05 ± 2.765e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 78.29 / 18
p0 -18.19 ± 0.00714
p1 7.493e-06 ± 2.992e-07
-17.8
-17.85
-17.9
-17.95
-18
-18.05
-18.1
-18.15
-18.2
-18.25
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 22.07 / 18
p0 1.442 ± 0.002427
p1 1.749e-14 ± 1.676e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
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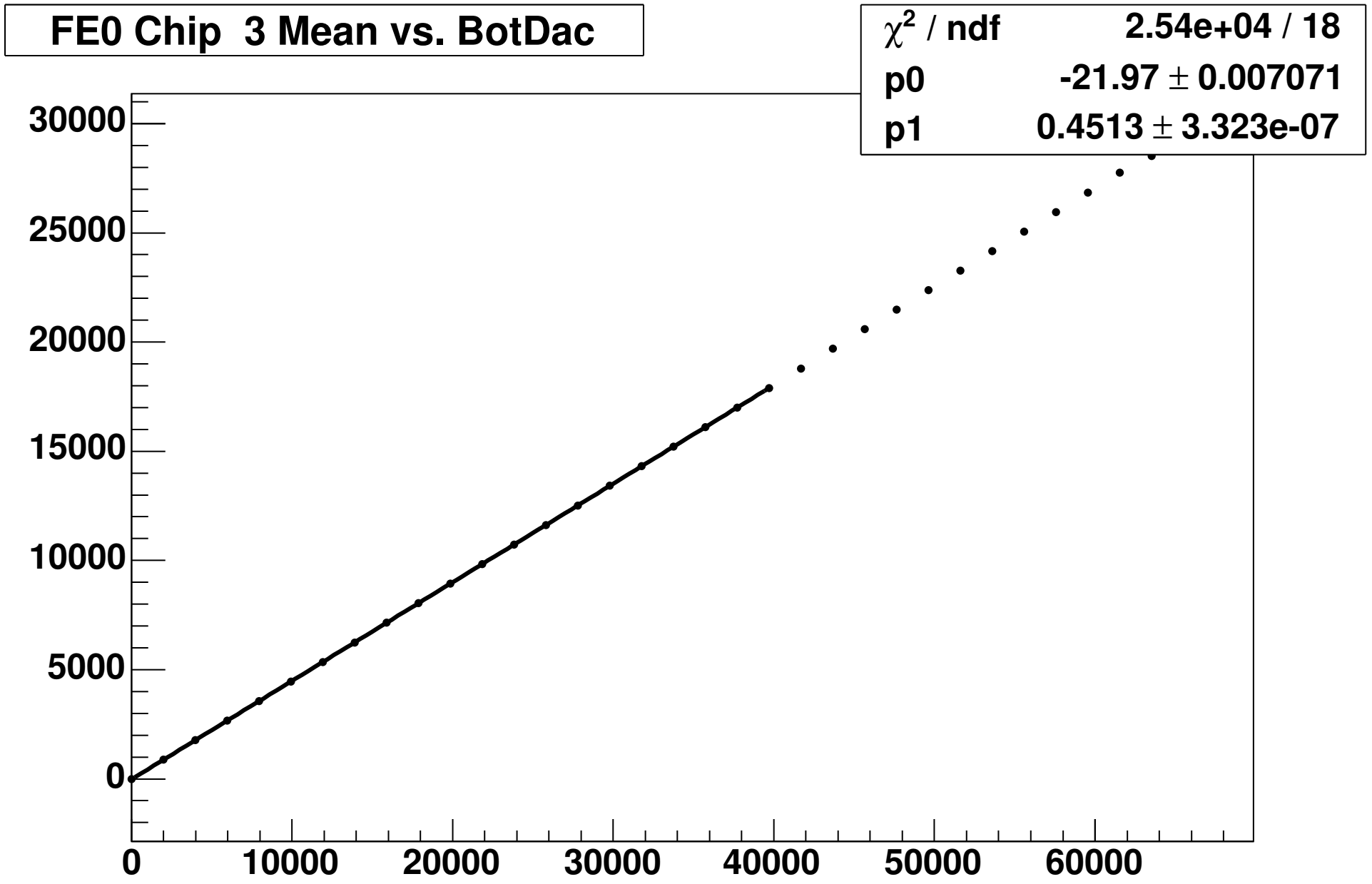
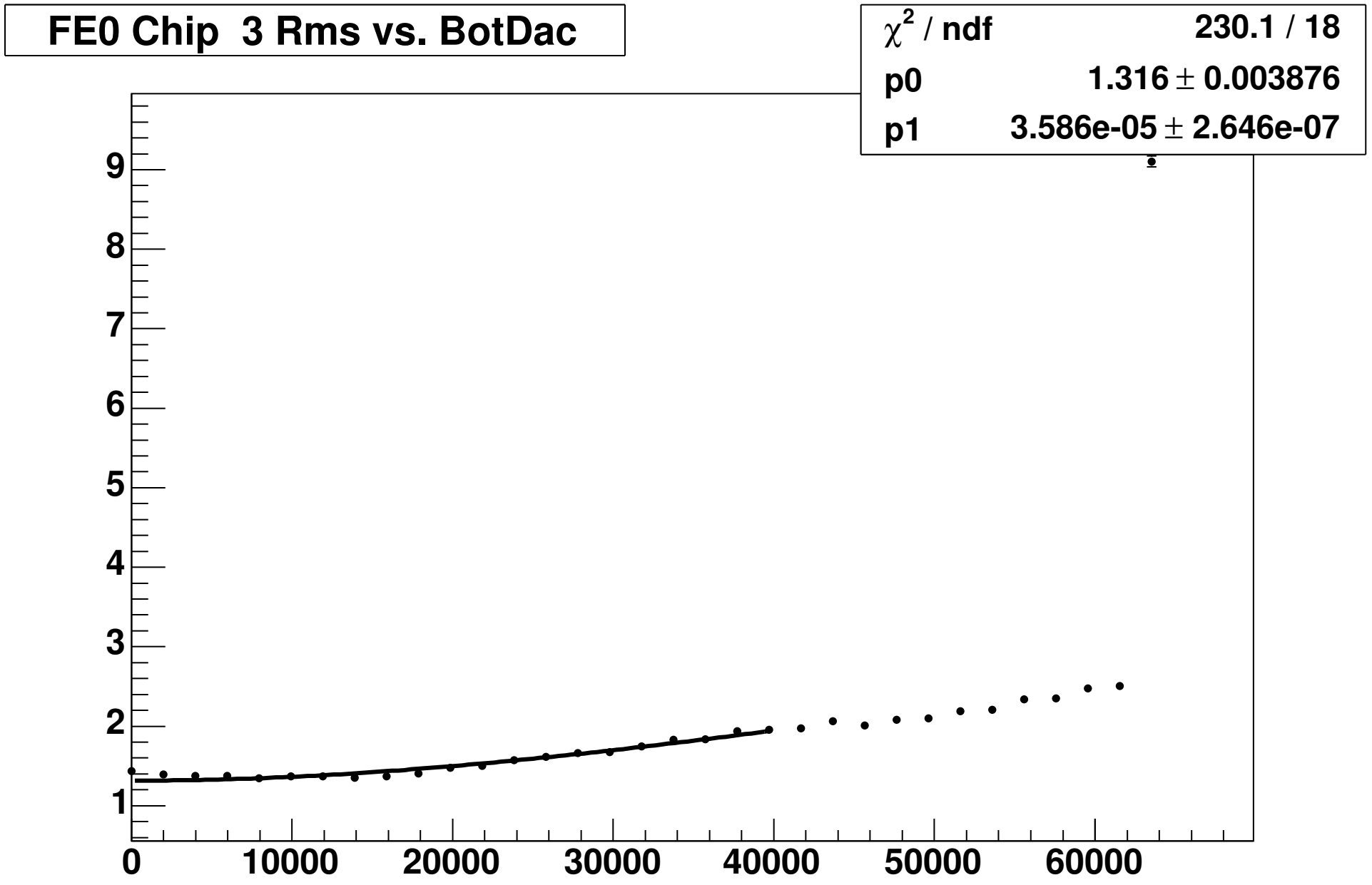
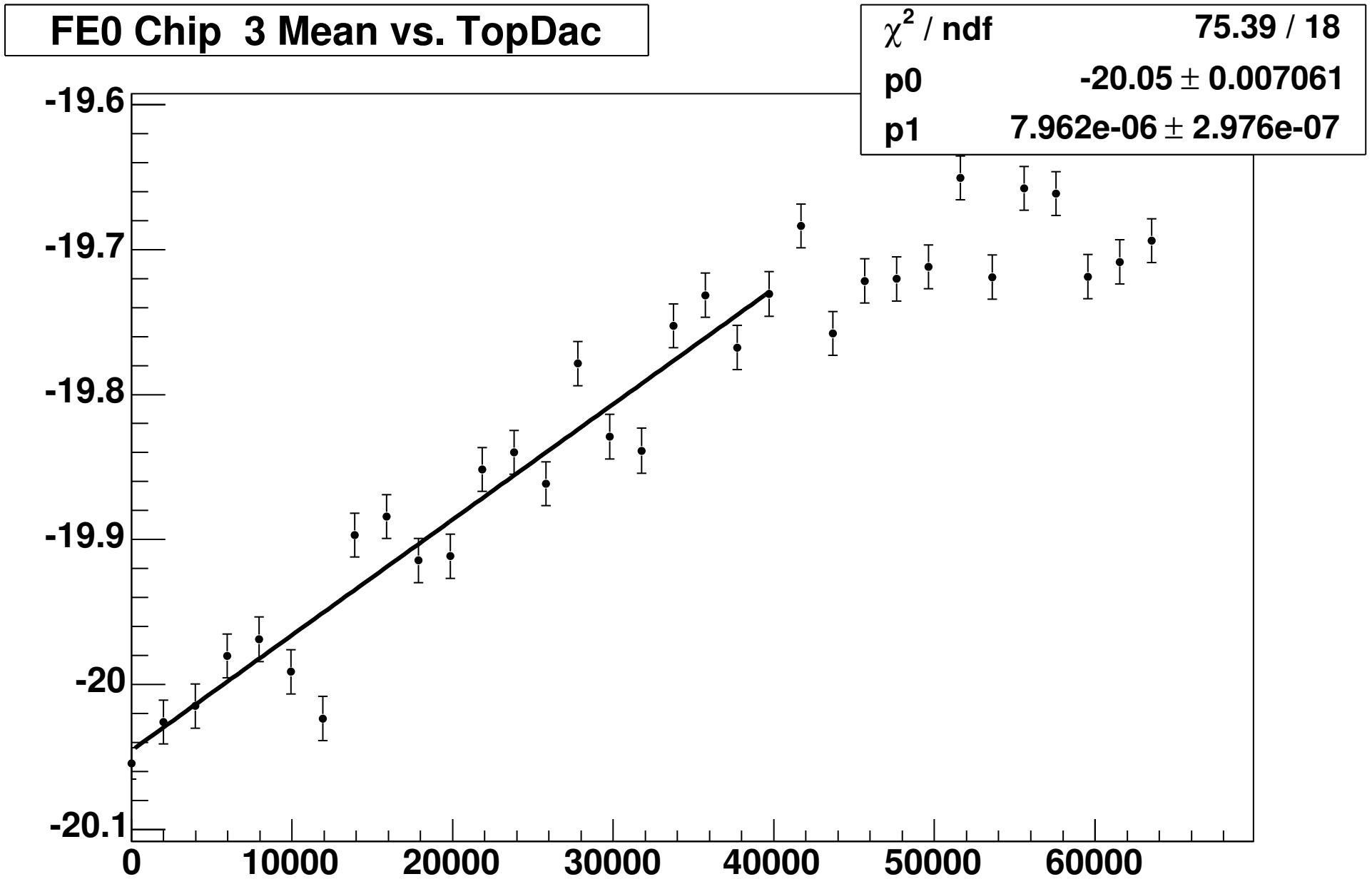
30000
40000
50000
60000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 2.54e+04 / 18
p0 -21.97 ± 0.007071
p1 0.4513 ± 3.323e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 230.1 / 18
p0 1.316 ± 0.003876
p1 3.586e-05 ± 2.646e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 75.39 / 18
p0 -20.05 ± 0.007061
p1 7.962e-06 ± 2.976e-07
-19.6
-19.7
-19.8
-19.9
-20
-20.1
0
10000
20000
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40000
50000
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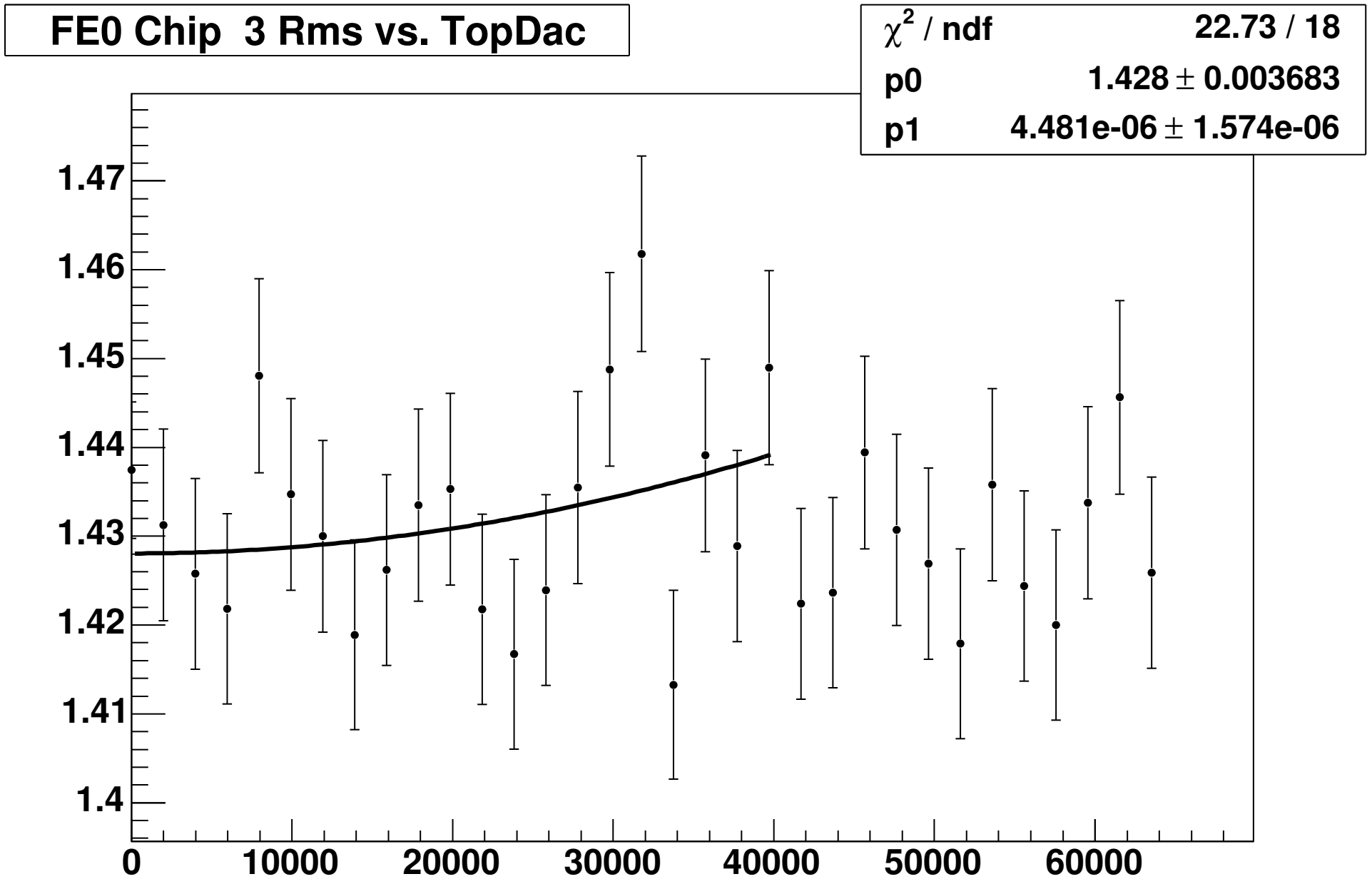
FE0 Chip 3 Rms vs. TopDac
χ² / ndf 22.73 / 18
p0 1.428 ± 0.003683
p1 4.481e-06 ± 1.574e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
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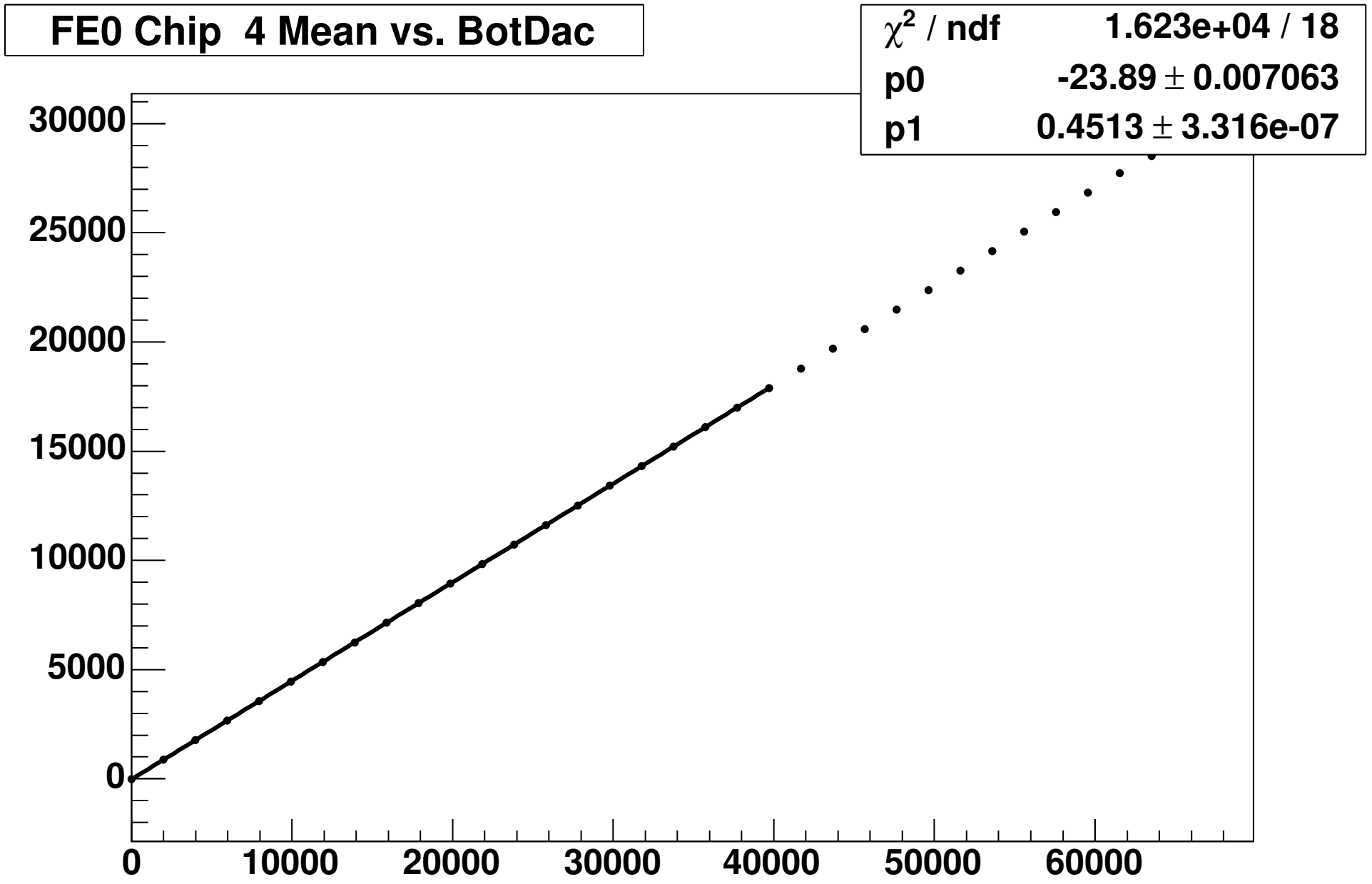
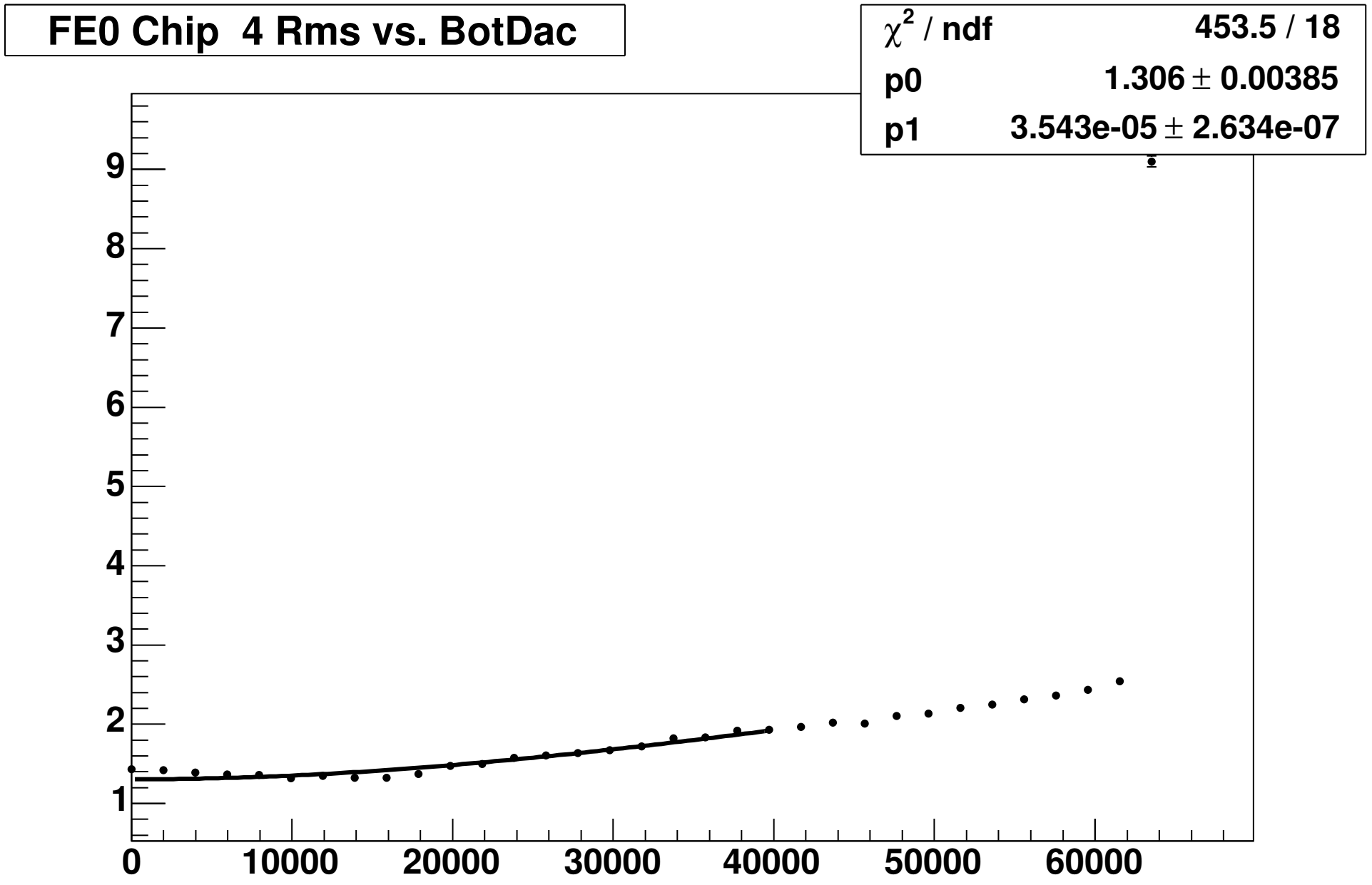
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.623e+04 / 18
p0 -23.89 ± 0.007063
p1 0.4513 ± 3.316e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 453.5 / 18
p0 1.306 ± 0.00385
p1 3.543e-05 ± 2.634e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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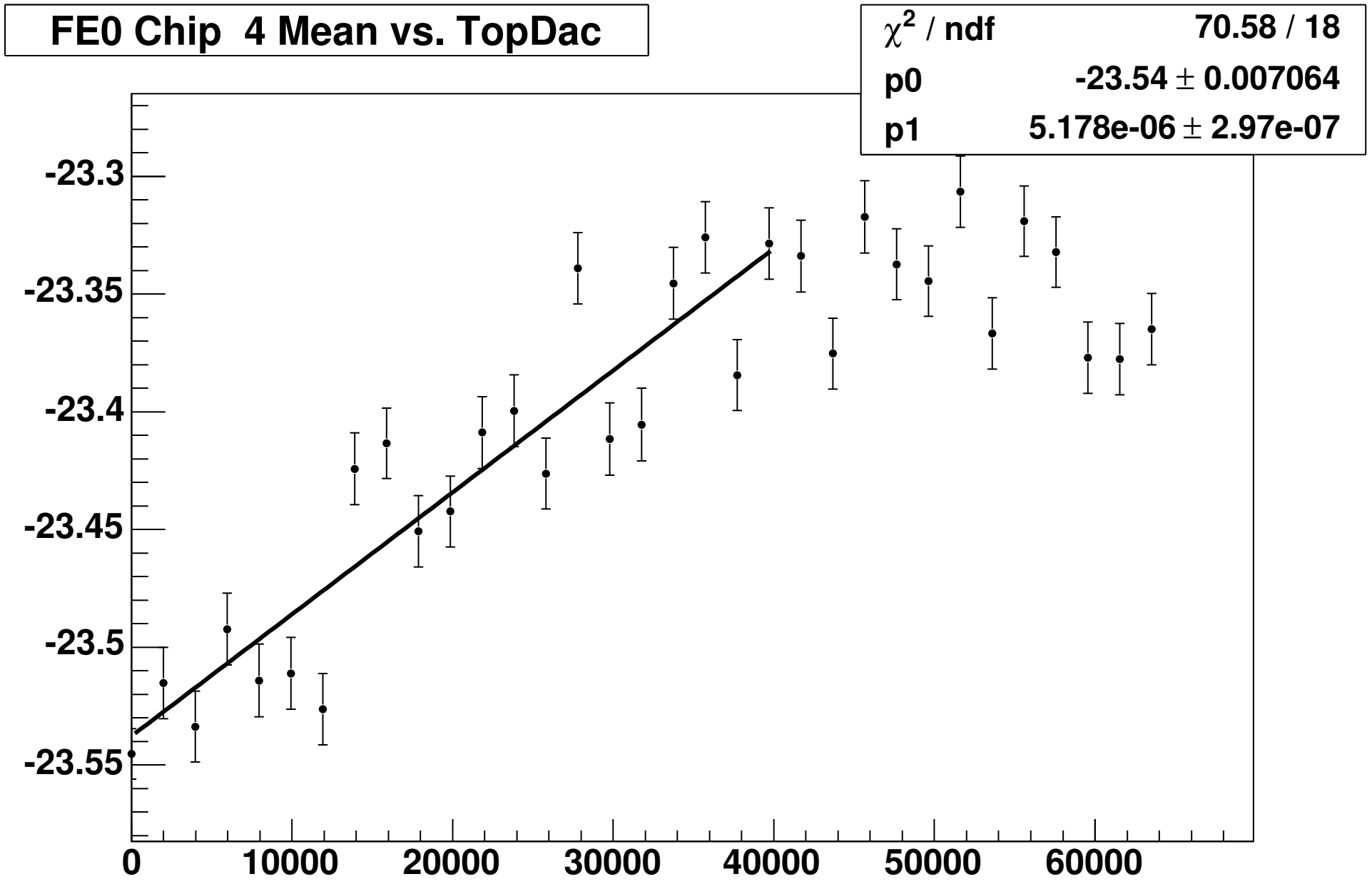
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 70.58 / 18
p0 -23.54 ± 0.007064
p1 5.178e-06 ± 2.97e-07
-23.3
-23.35
-23.4
-23.45
-23.5
-23.55
0
10000
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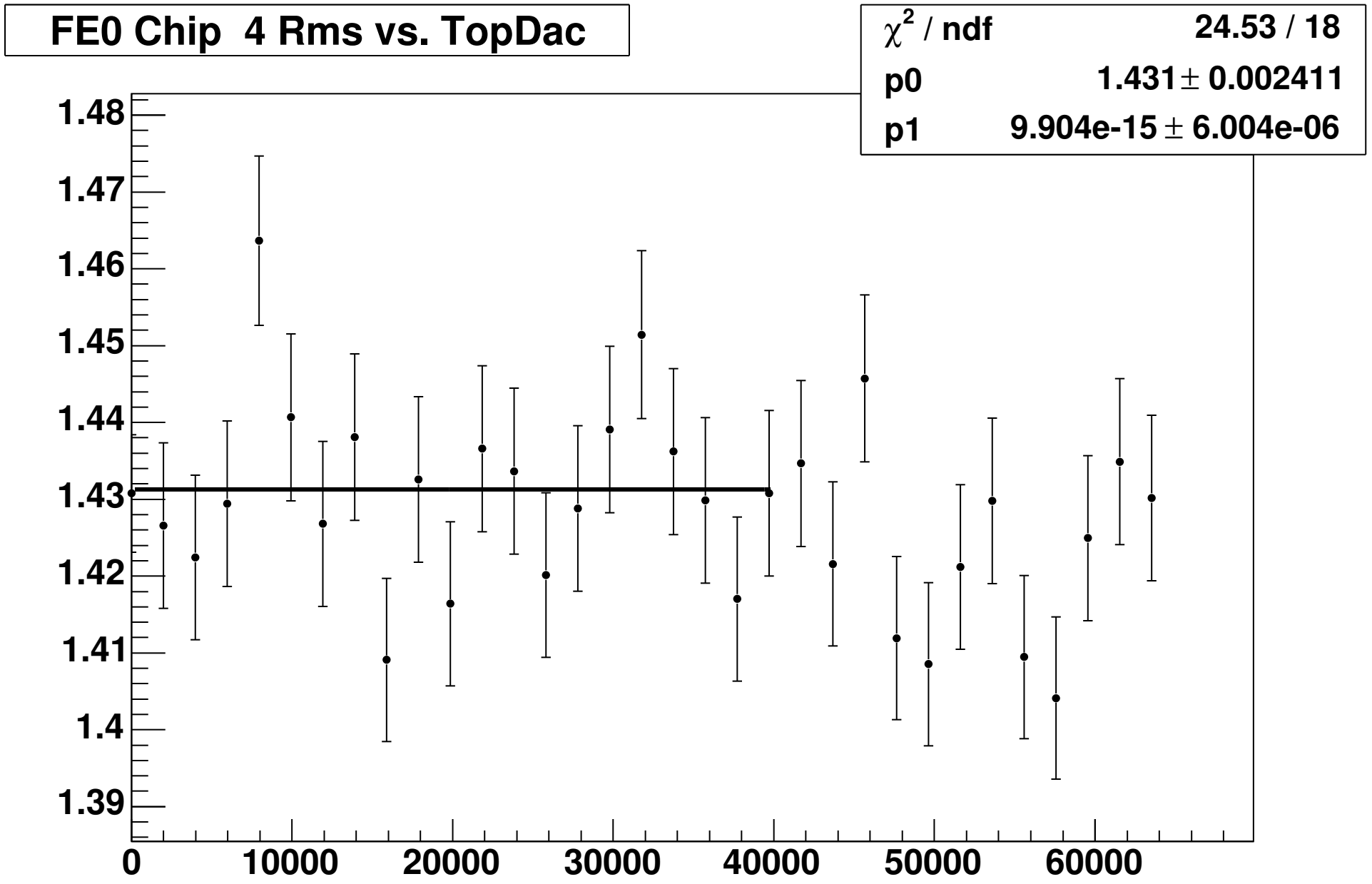
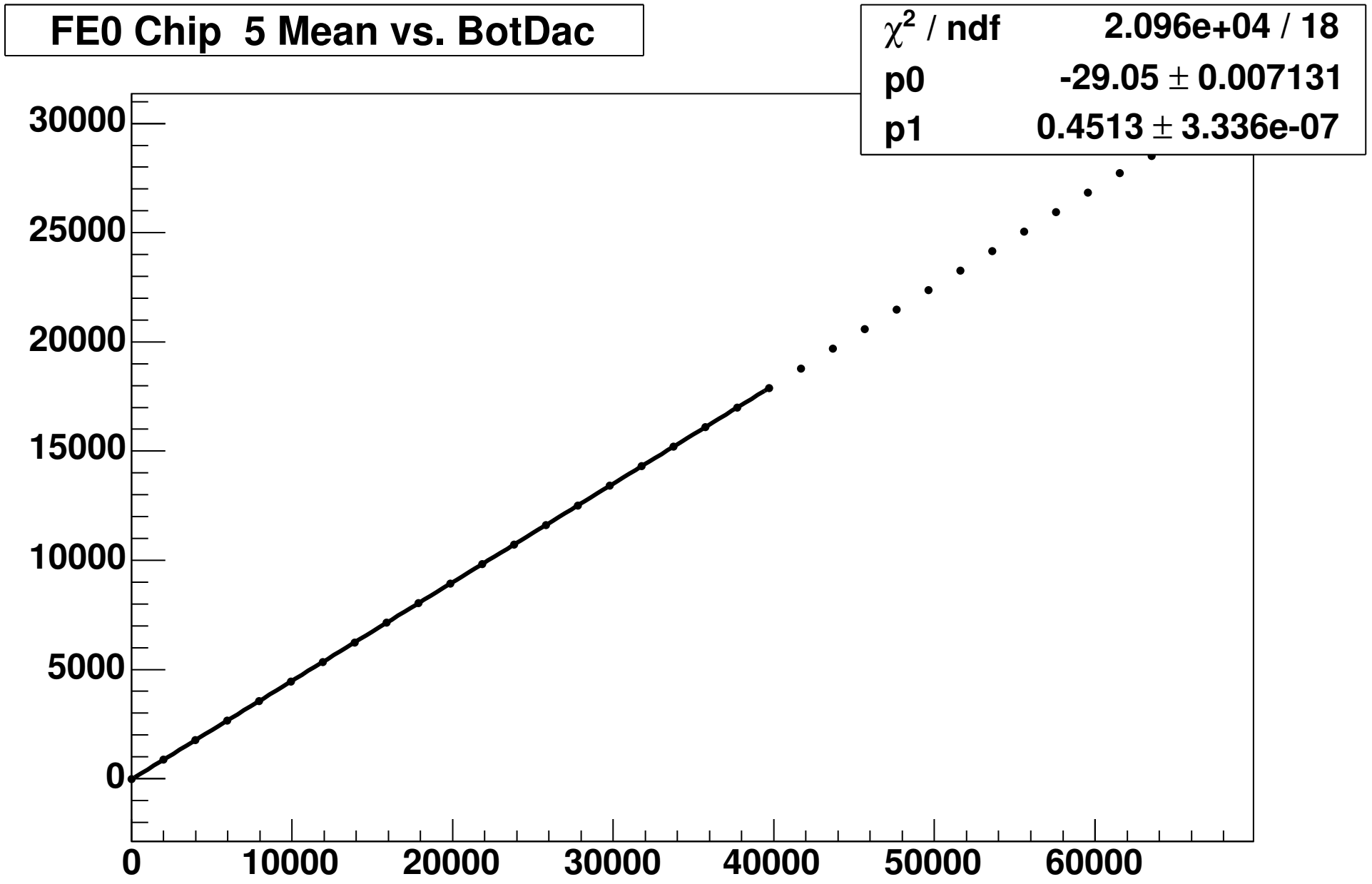
40000
50000
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 24.53 / 18
p0 1.431 ± 0.002411
p1 9.904e-15 ± 6.004e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 2.096e+04 / 18
p0 -29.05 ± 0.007131
p1 0.4513 ± 3.336e-07
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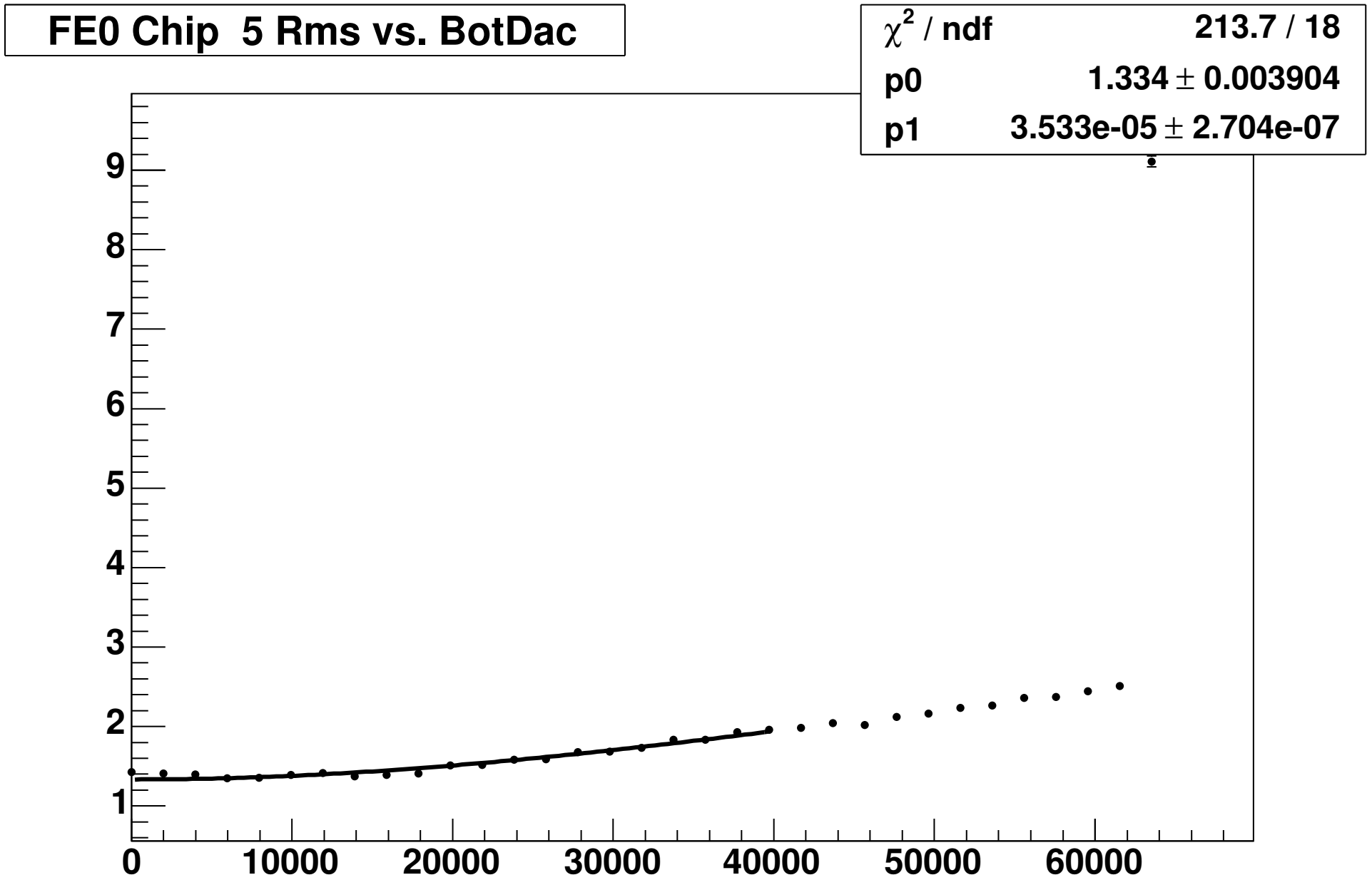
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 213.7 / 18
p0 1.334 ± 0.003904
p1 3.533e-05 ± 2.704e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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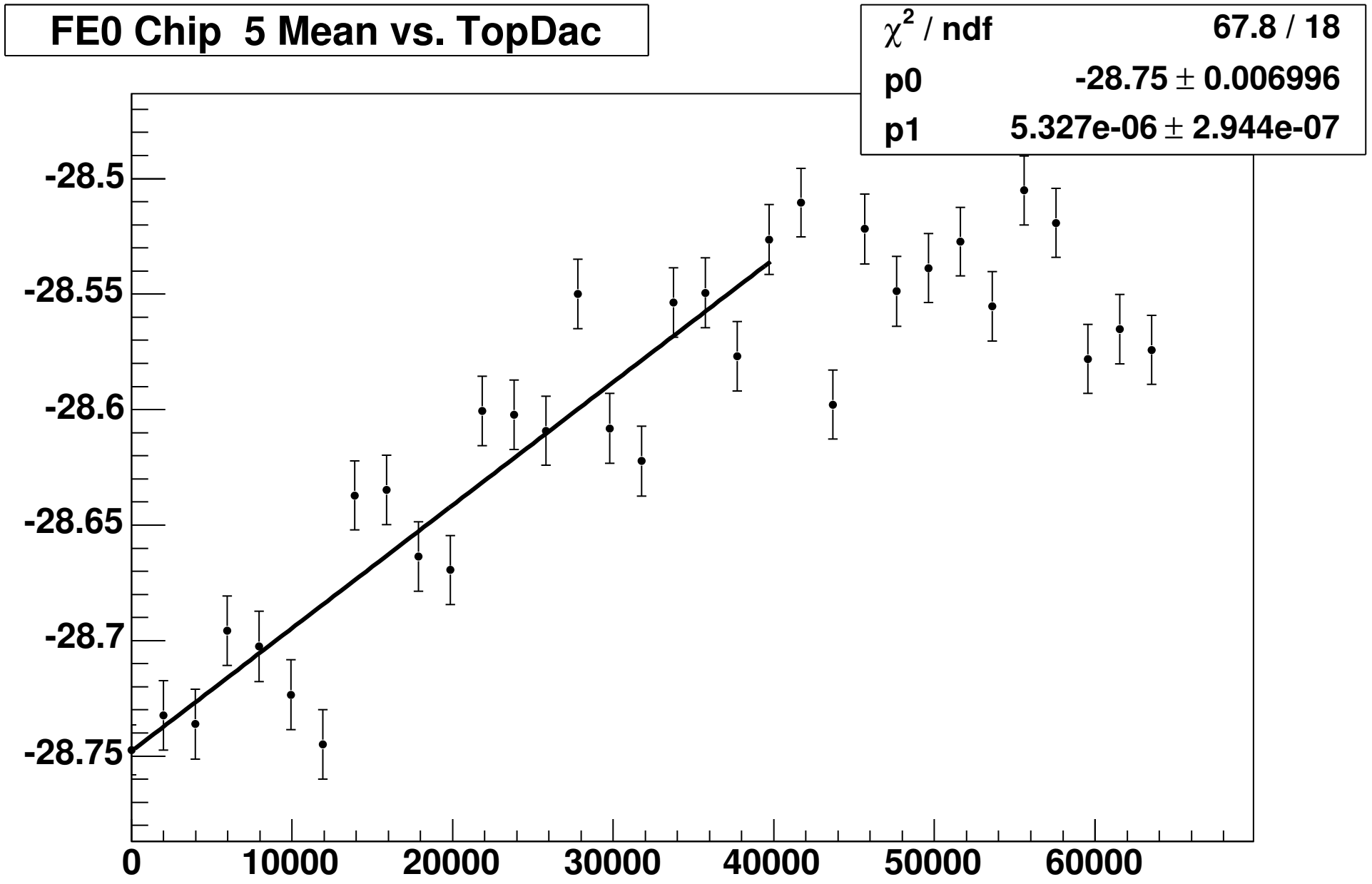
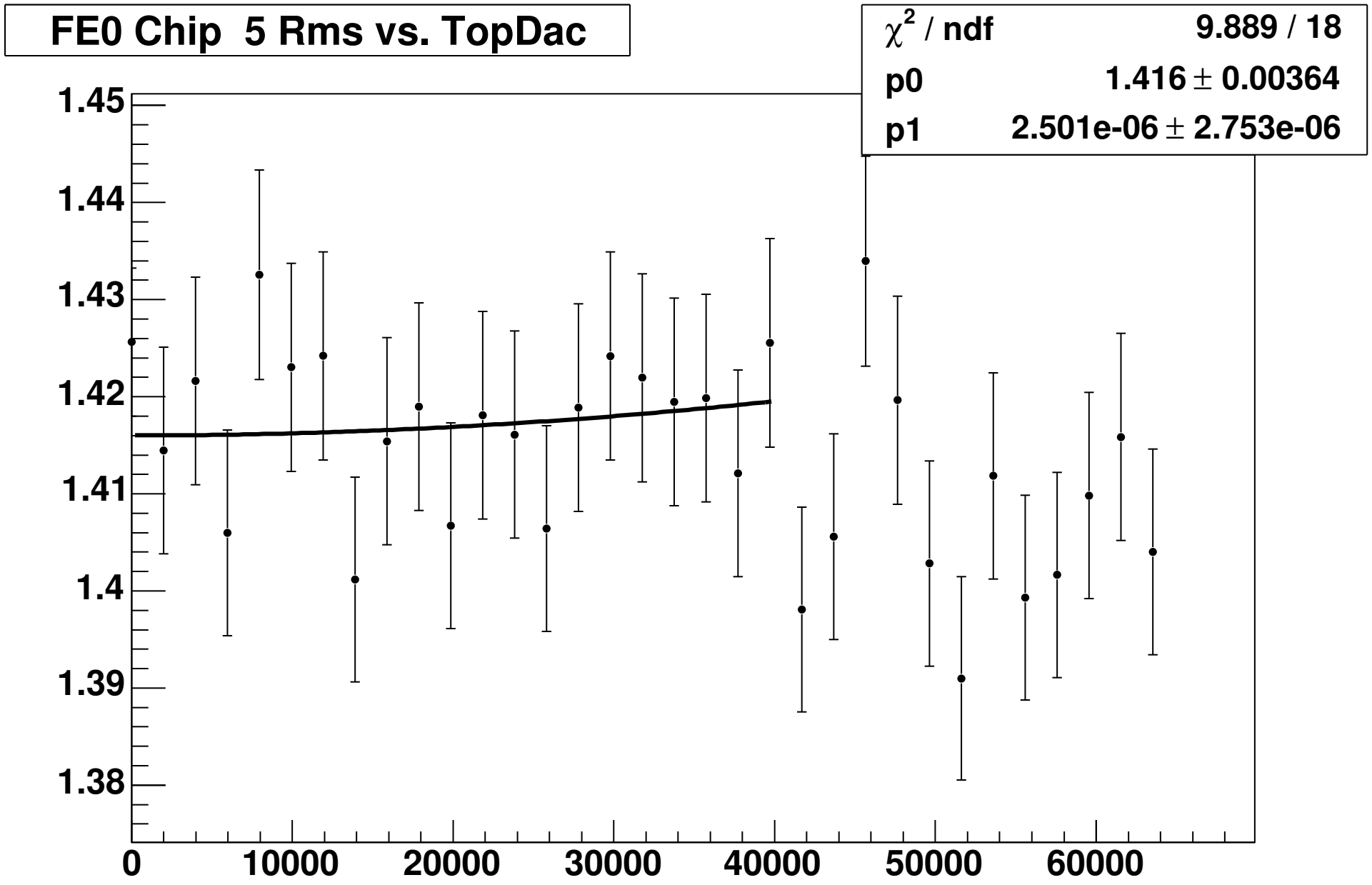
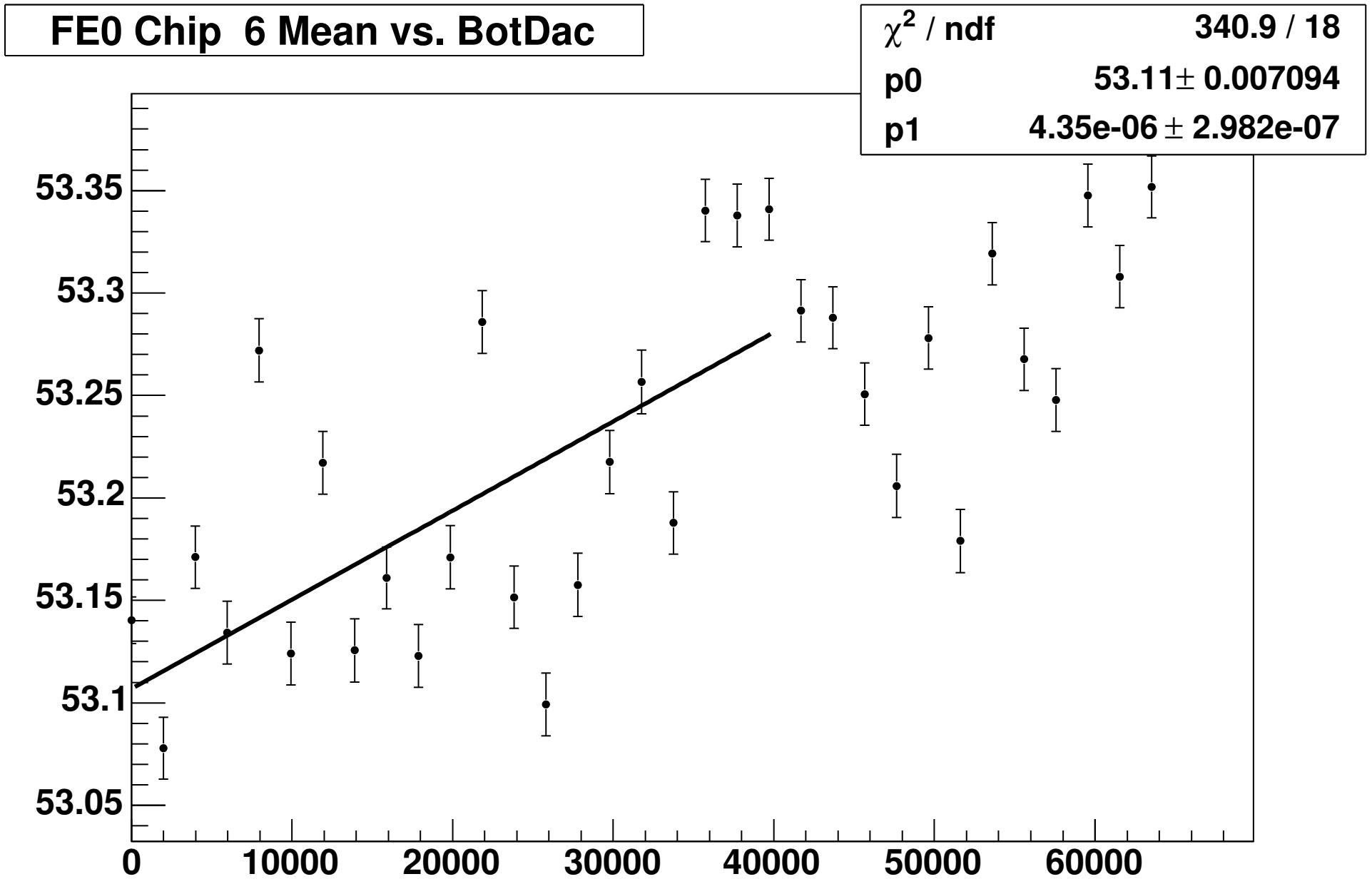
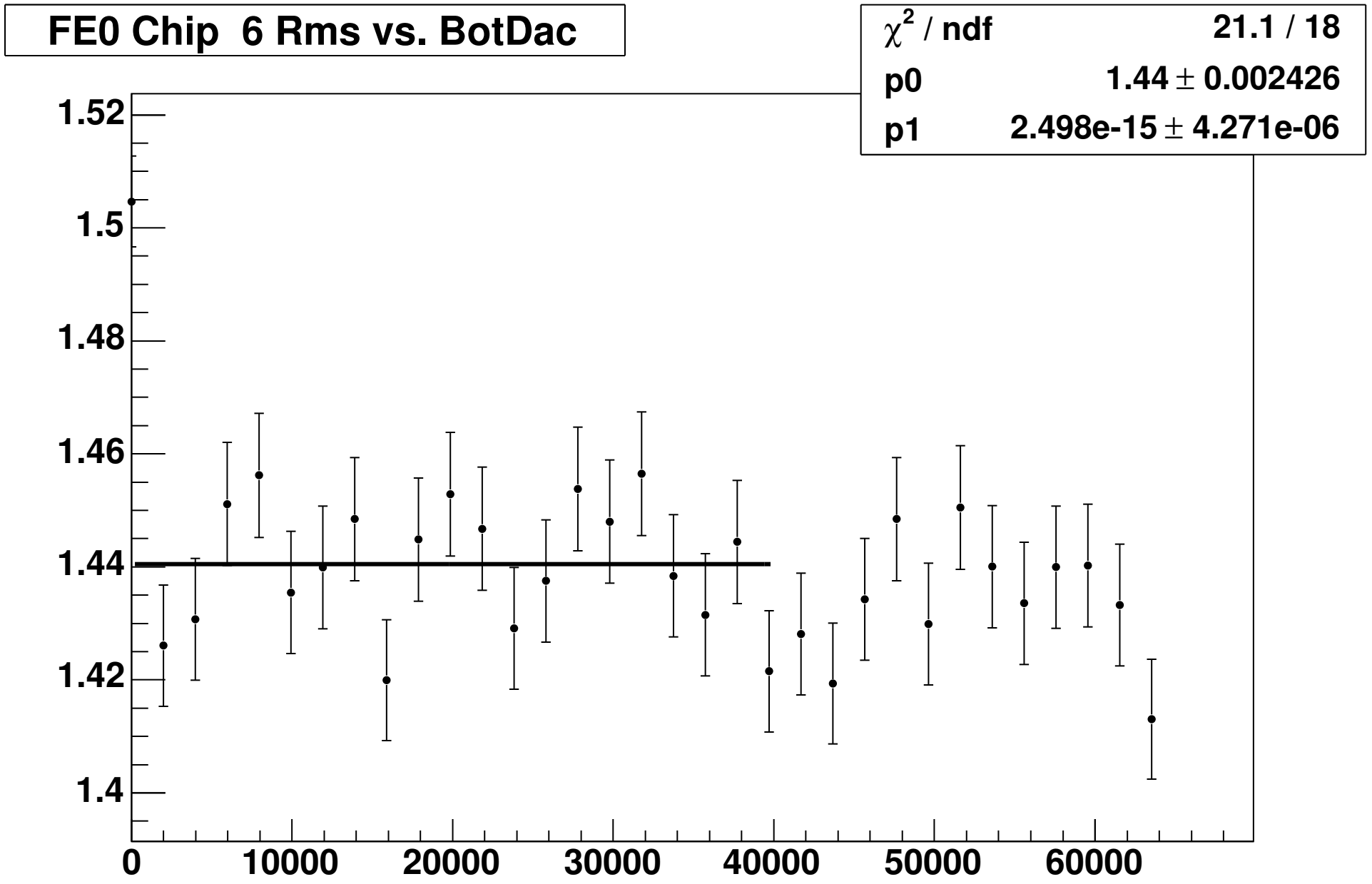
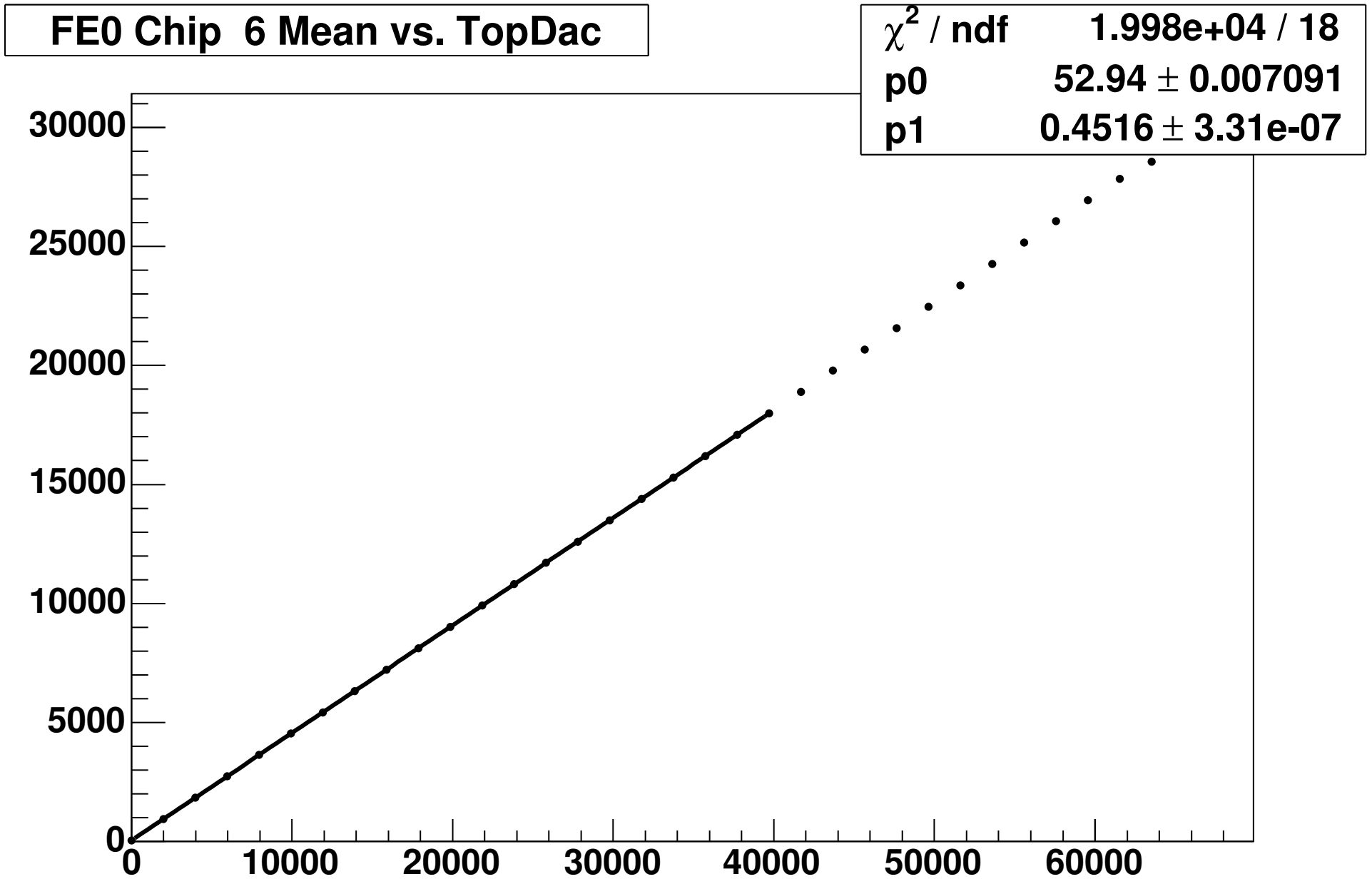
60000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 67.8 / 18
p0 -28.75 ± 0.006996
p1 5.327e-06 ± 2.944e-07
-28.5
-28.55
-28.6
-28.65
-28.7
-28.75
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 9.889 / 18
p0 1.416 ± 0.00364
p1 2.501e-06 ± 2.753e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 340.9 / 18
p0 53.11 ± 0.007094
p1 4.35e-06 ± 2.982e-07
53.35
53.3
53.25
53.2
53.15
53.1
53.05
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 21.1 / 18
p0 1.44 ± 0.002426
p1 2.498e-15 ± 4.271e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.998e+04 / 18
p0 52.94 ± 0.007091
p1 0.4516 ± 3.31e-07
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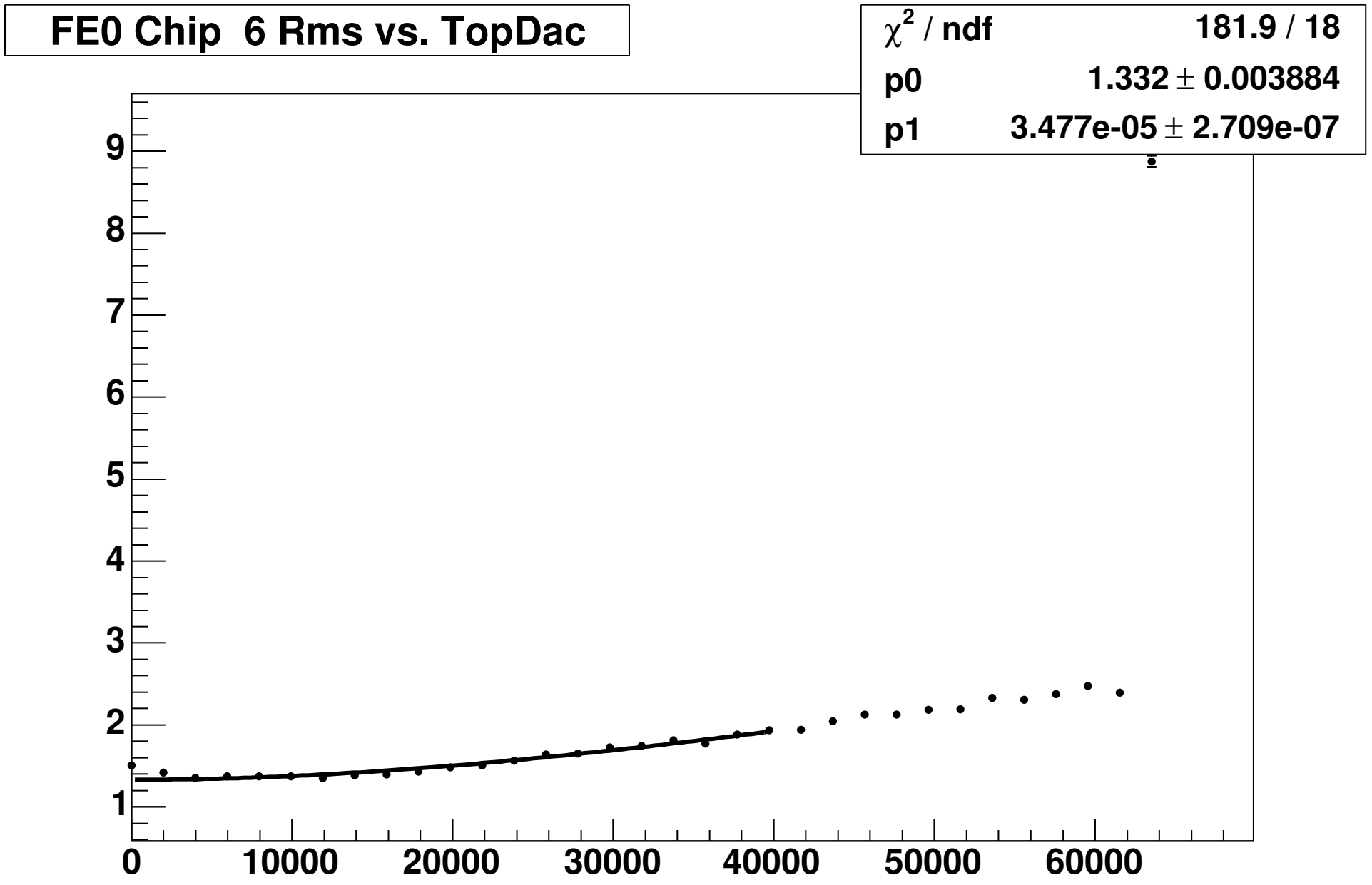
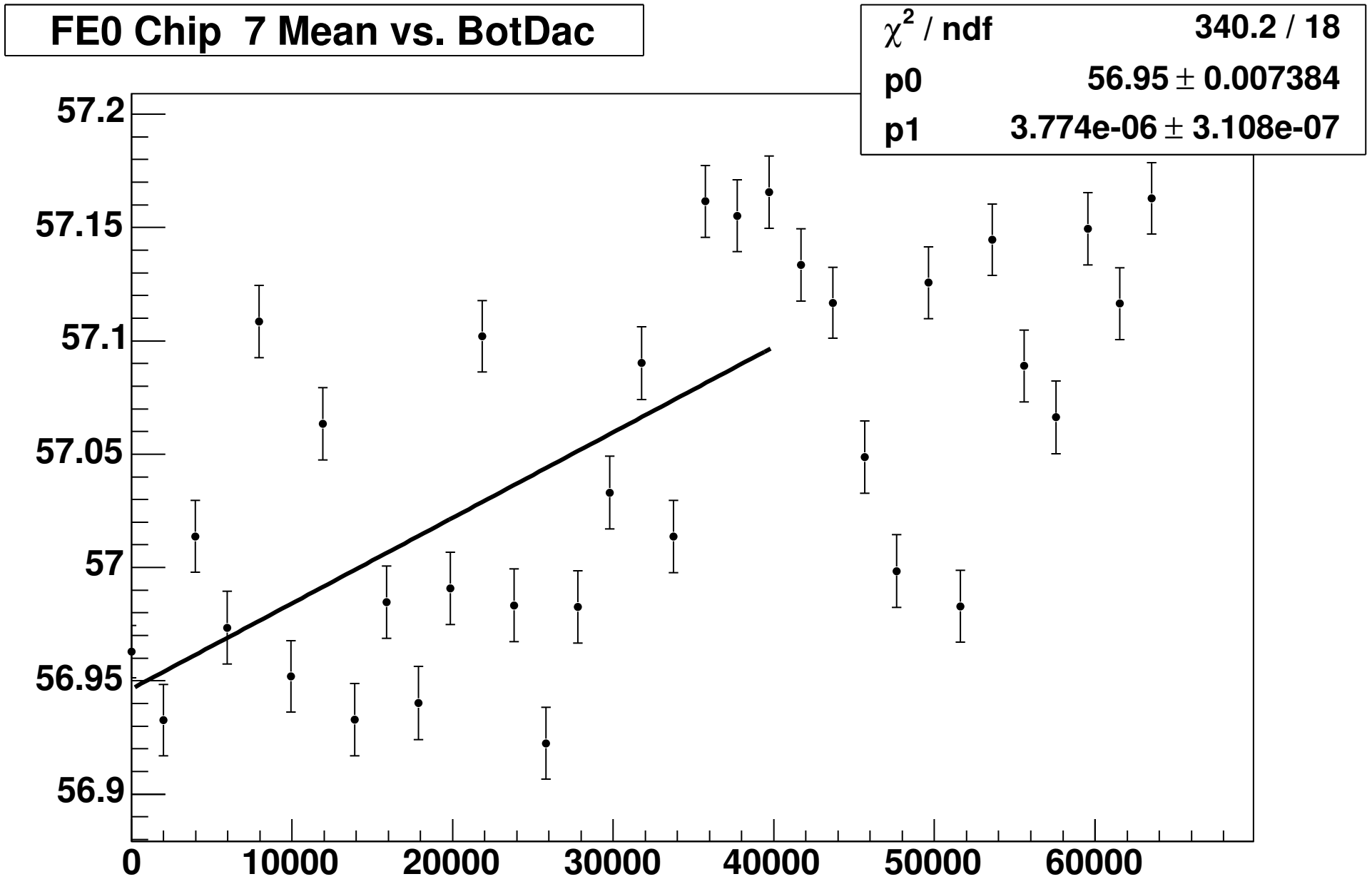
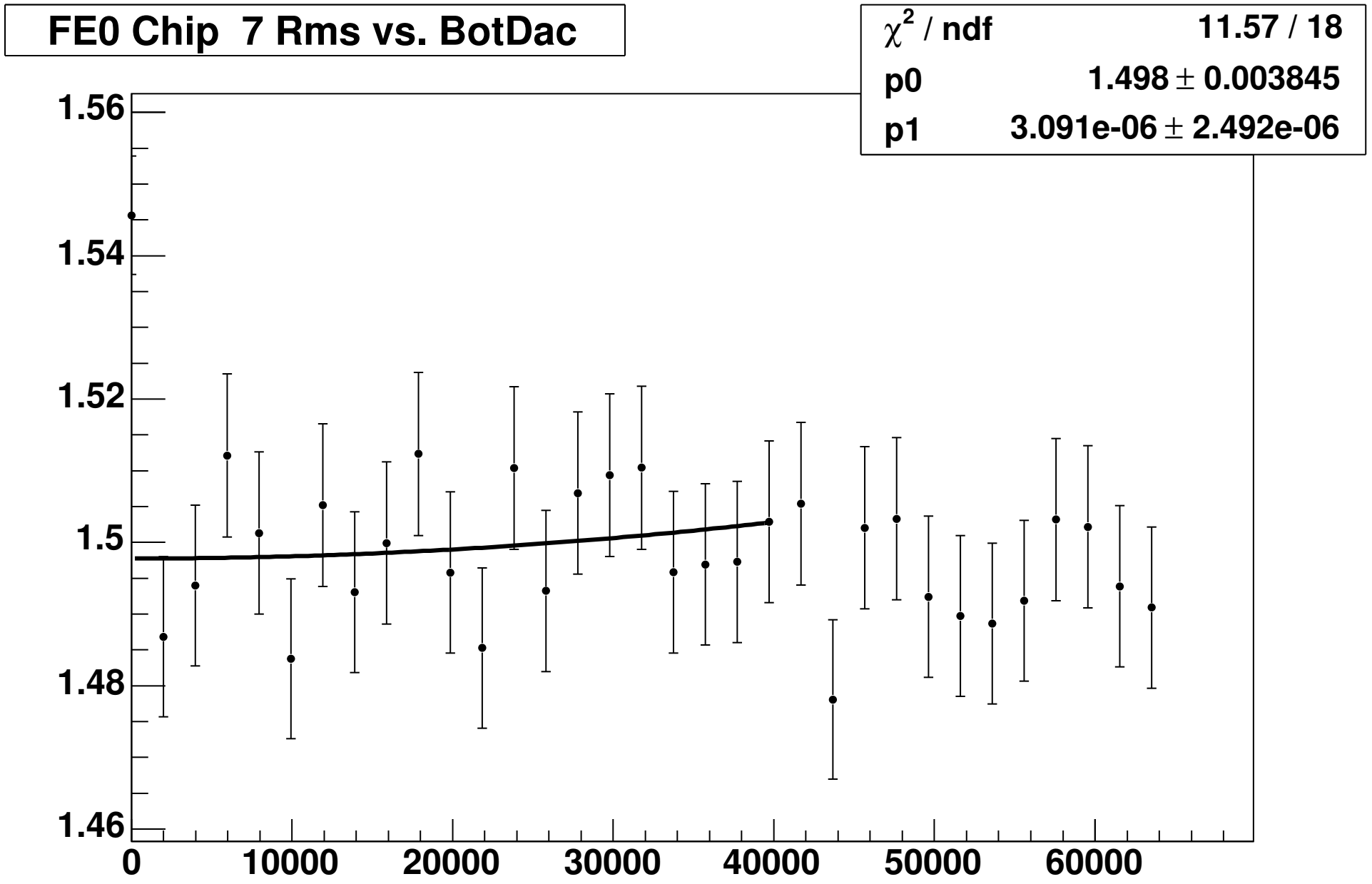
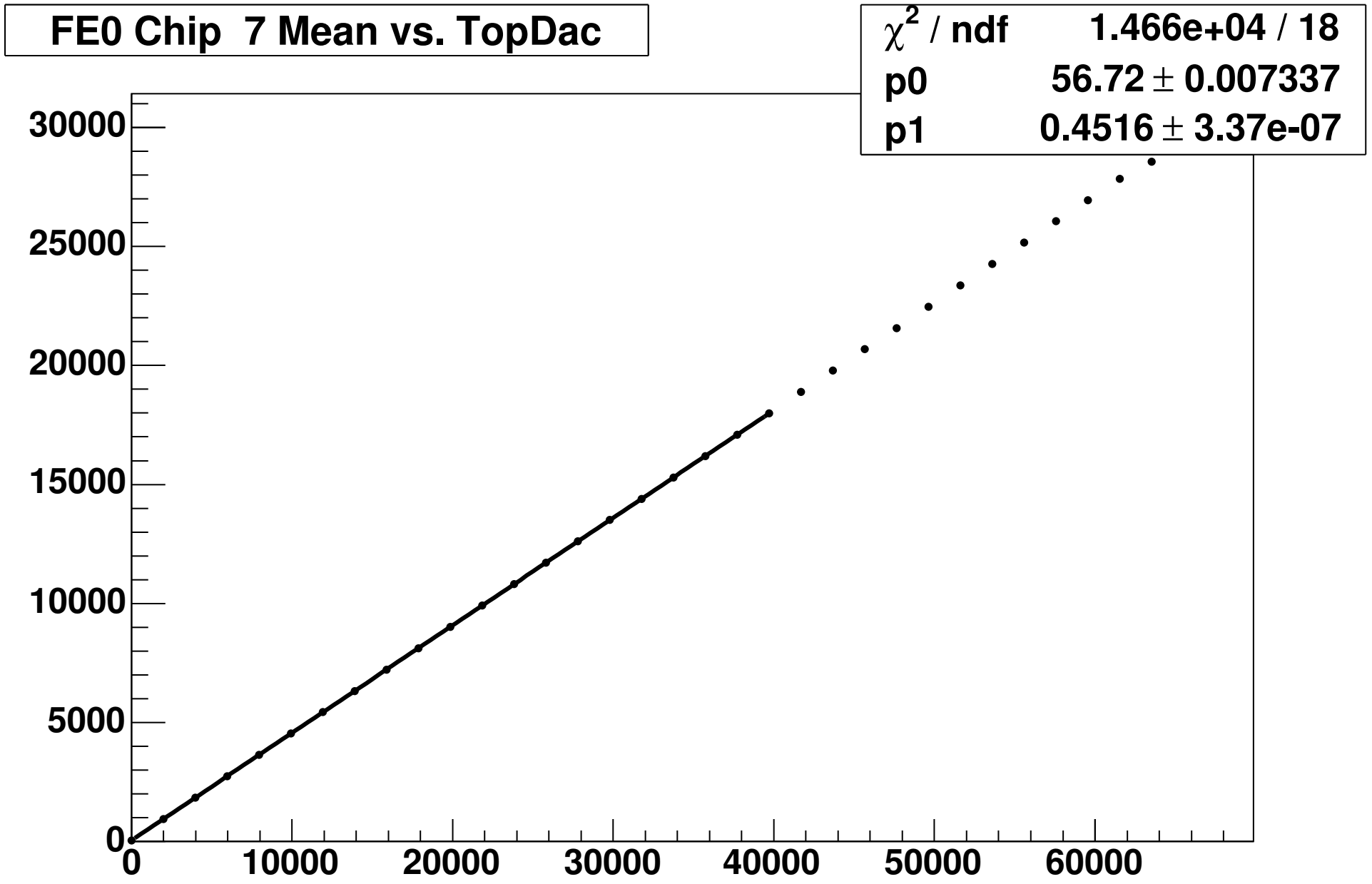
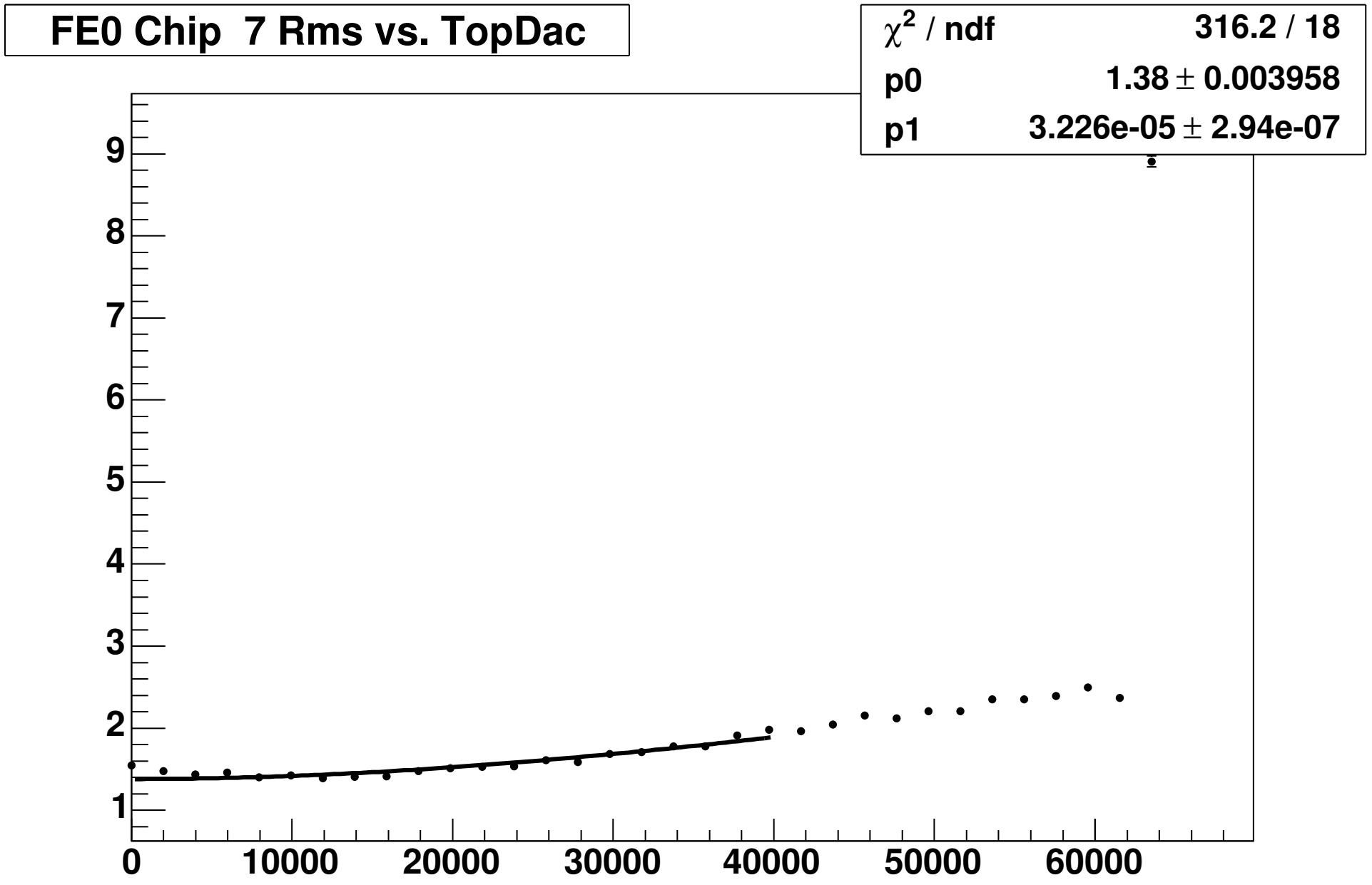
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

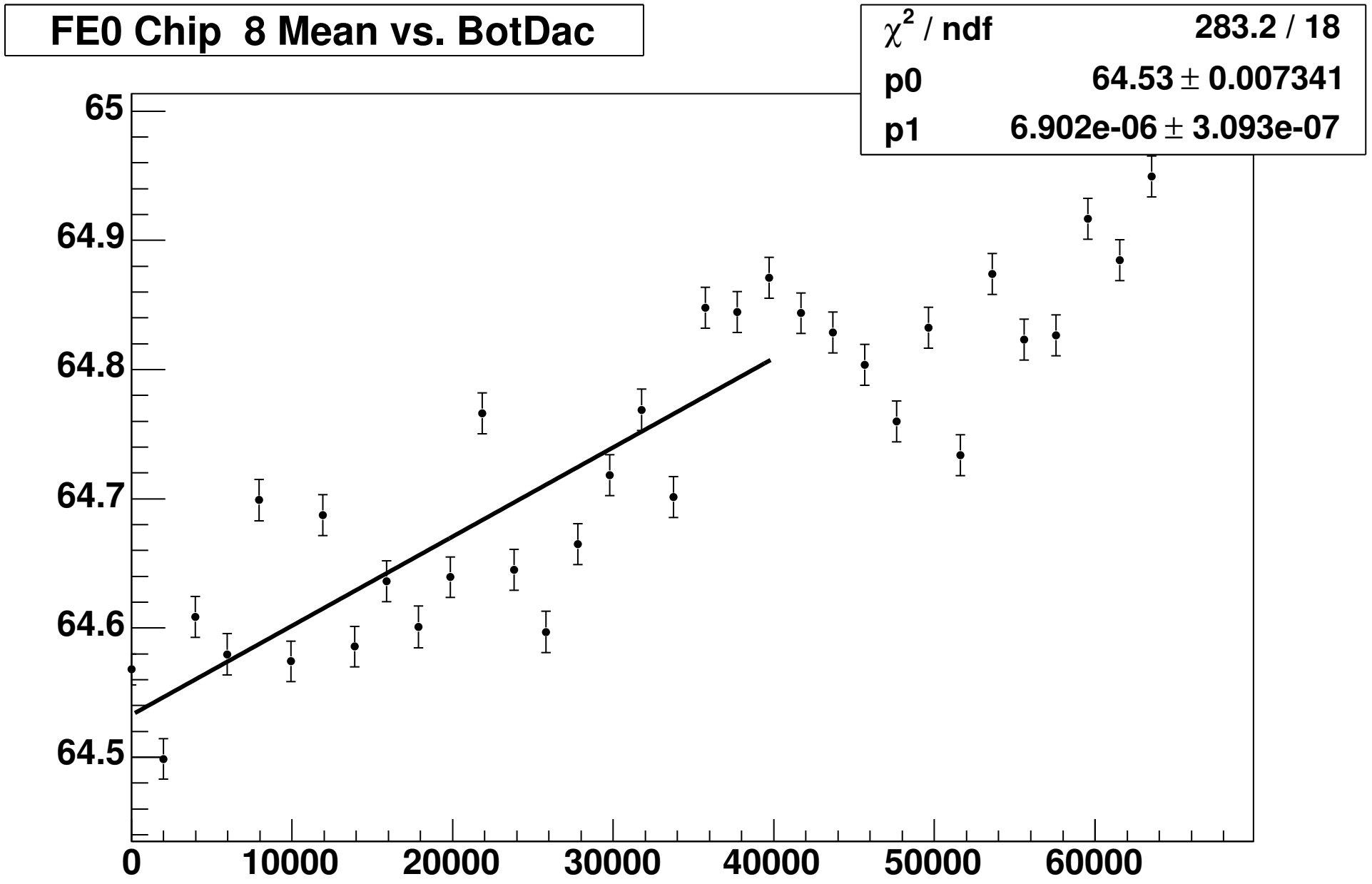

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 181.9 / 18
p0 1.332 ± 0.003884
p1 3.477e-05 ± 2.709e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

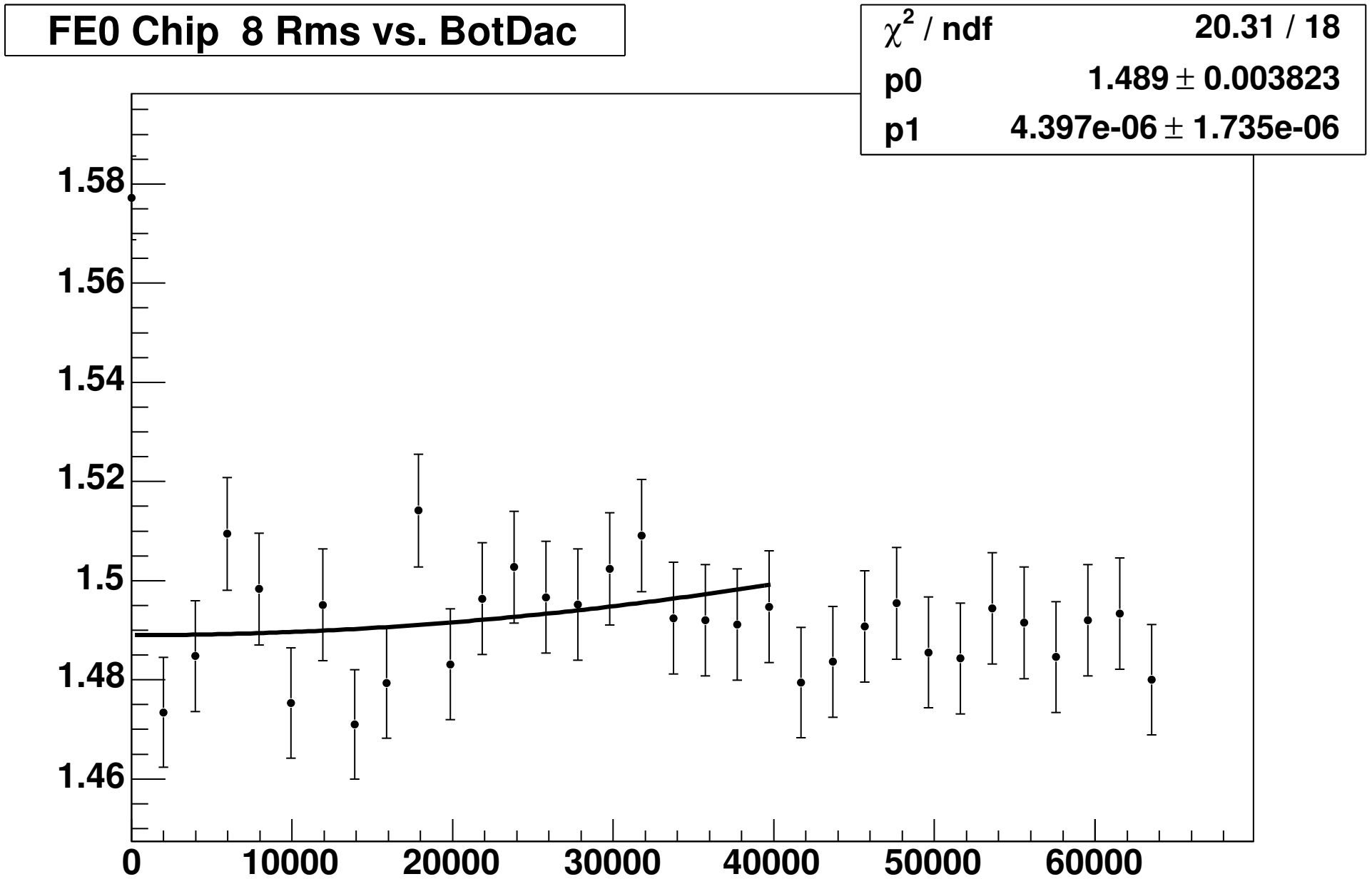

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 340.2 / 18
p0 56.95 ± 0.007384
p1 3.774e-06 ± 3.108e-07
57.2
57.15
57.1
57.05
57
56.95
56.9
0
10000
20000
30000
40000
50000
60000

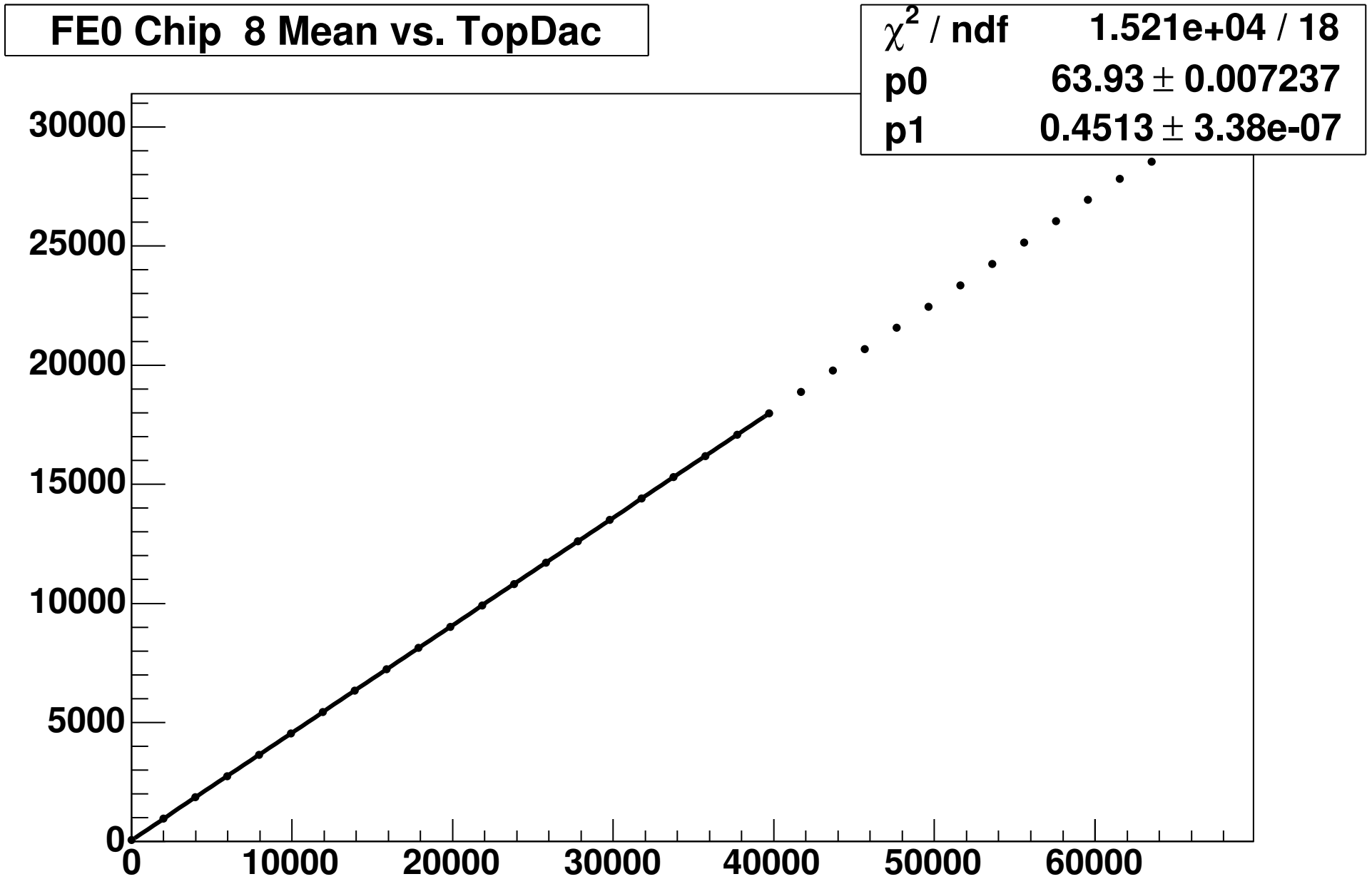

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 11.57 / 18
p0 1.498 ± 0.003845
p1 3.091e-06 ± 2.492e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

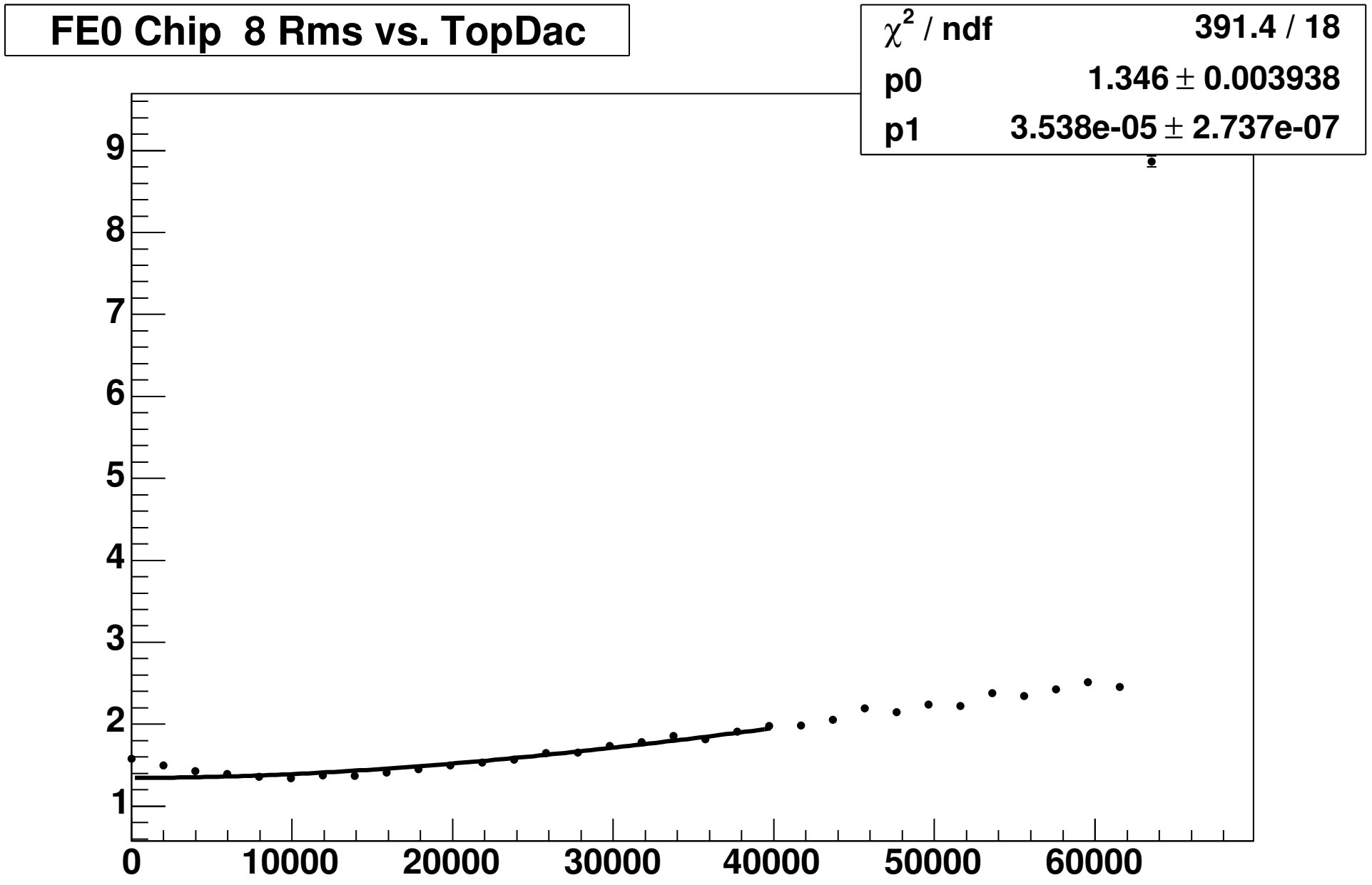

FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.466e+04 / 18
p0 56.72 ± 0.007337
p1 0.4516 ± 3.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

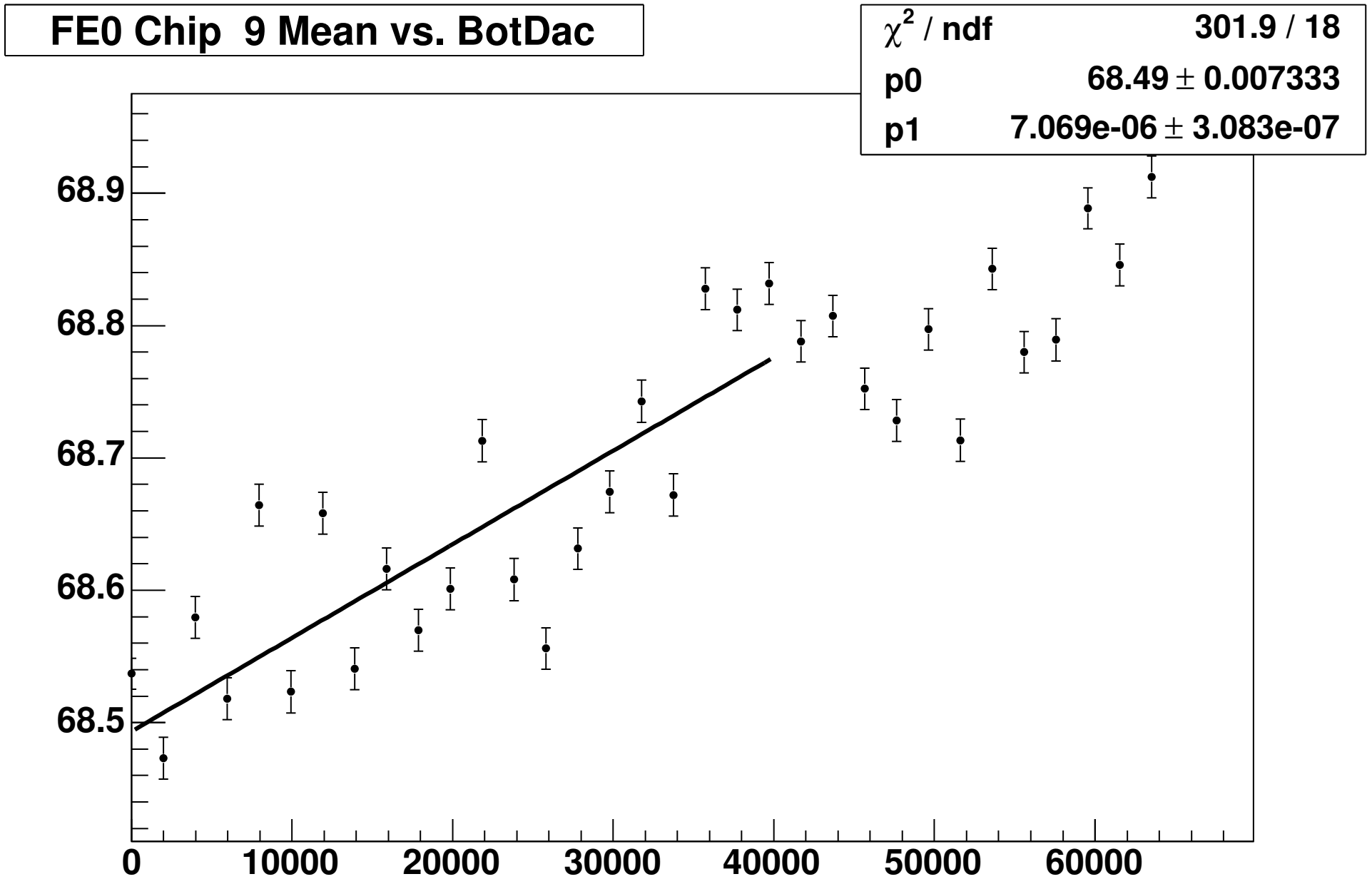

FE0 Chip 7 Rms vs. TopDac
χ² / ndf 316.2 / 18
p0 1.38 ± 0.003958
p1 3.226e-05 ± 2.94e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

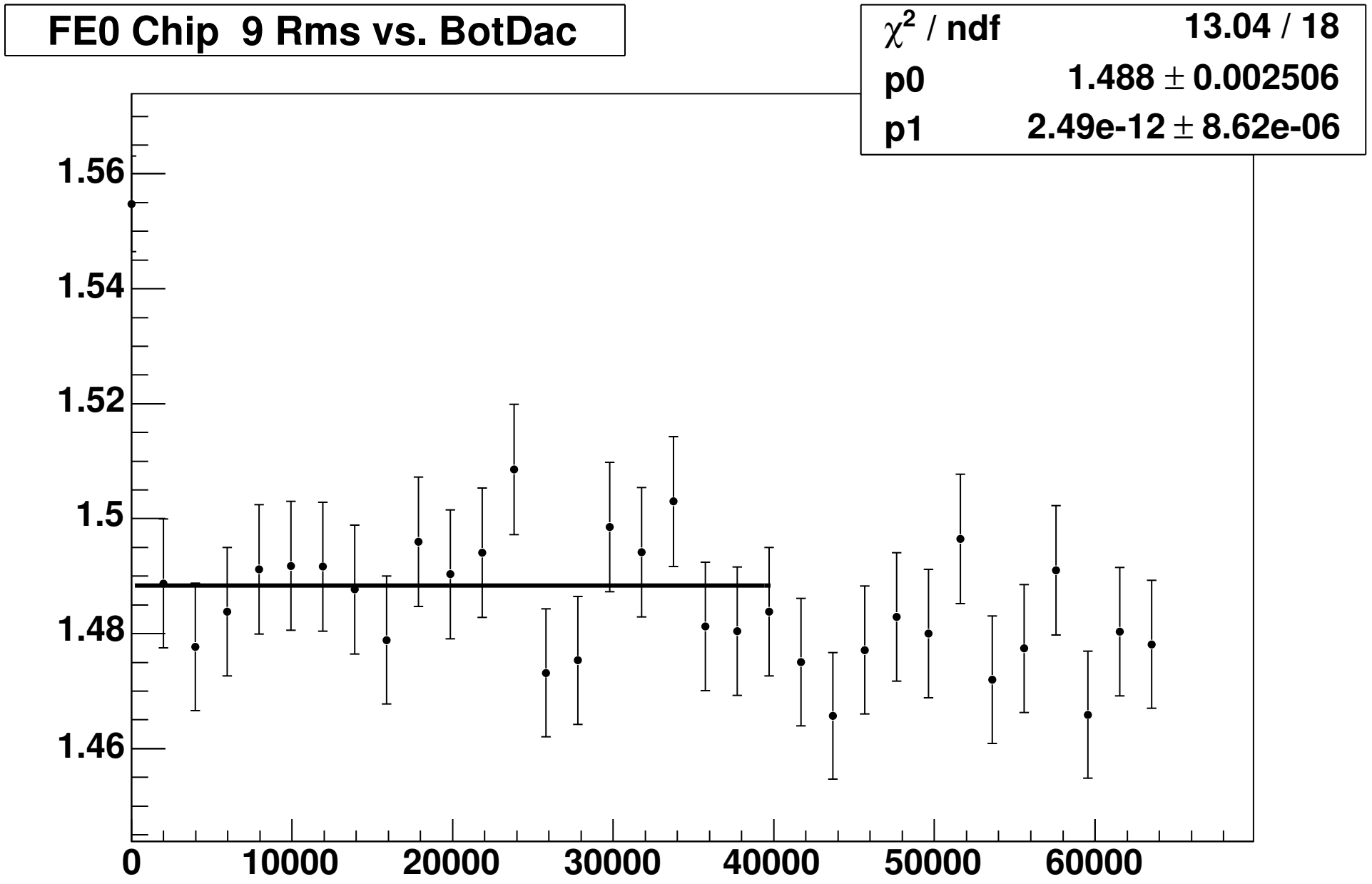

FE0 Chip 8 Mean vs. BotDac
χ² / ndf 283.2 / 18
p0 64.53 ± 0.007341
p1 6.902e-06 ± 3.093e-07
65
64.9
64.8
64.7
64.6
64.5
0
10000
20000
30000
40000
50000
60000

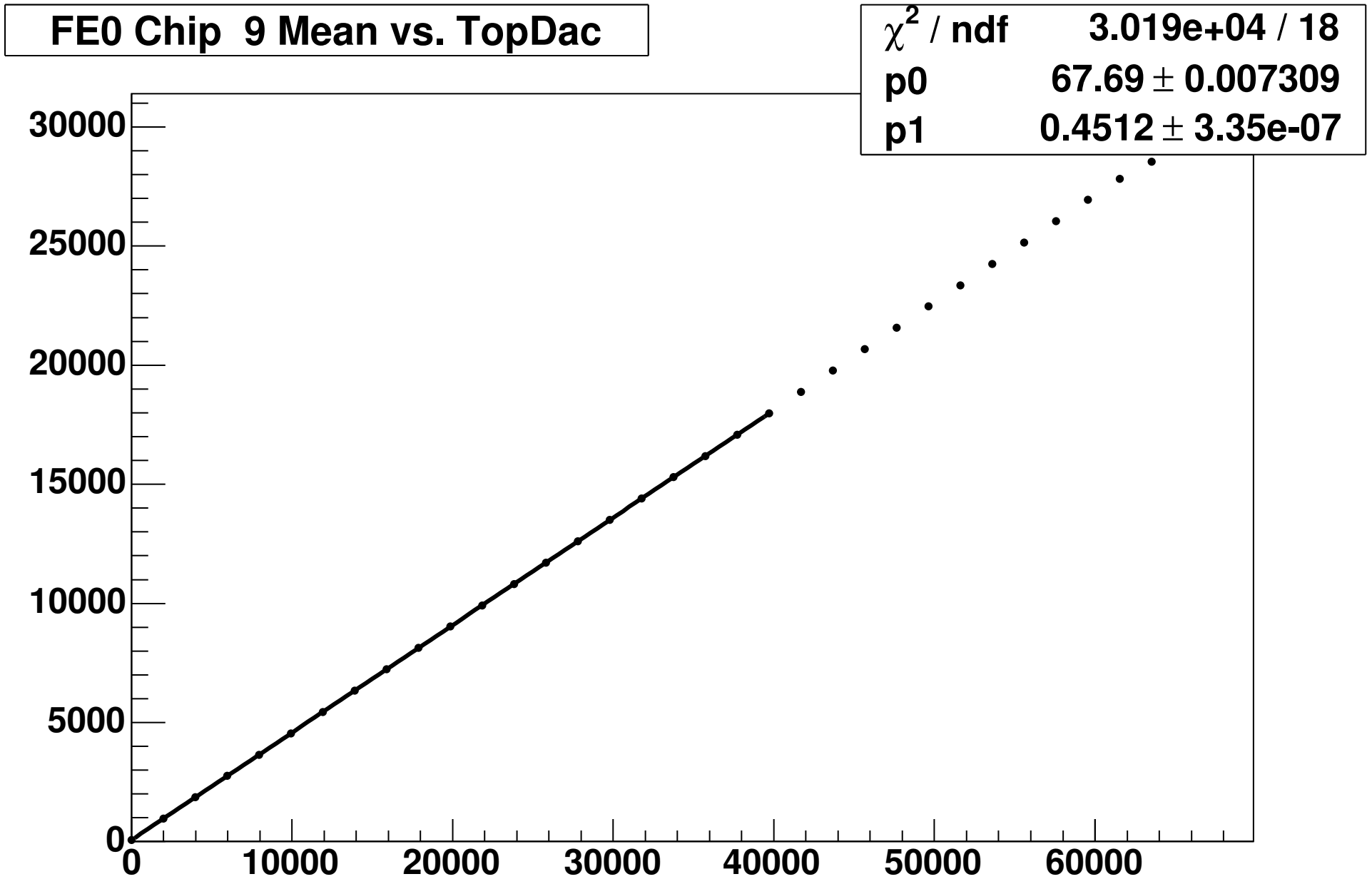

FE0 Chip 8 Rms vs. BotDac
χ² / ndf 20.31 / 18
p0 1.489 ± 0.003823
p1 4.397e-06 ± 1.735e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.521e+04 / 18
p0 63.93 ± 0.007237
p1 0.4513 ± 3.38e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 391.4 / 18
p0 1.346 ± 0.003938
p1 3.538e-05 ± 2.737e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 301.9 / 18
p0 68.49 ± 0.007333
p1 7.069e-06 ± 3.083e-07
68.9
68.8
68.7
68.6
68.5
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 13.04 / 18
p0 1.488 ± 0.002506
p1 2.49e-12 ± 8.62e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 3.019e+04 / 18
p0 67.69 ± 0.007309
p1 0.4512 ± 3.35e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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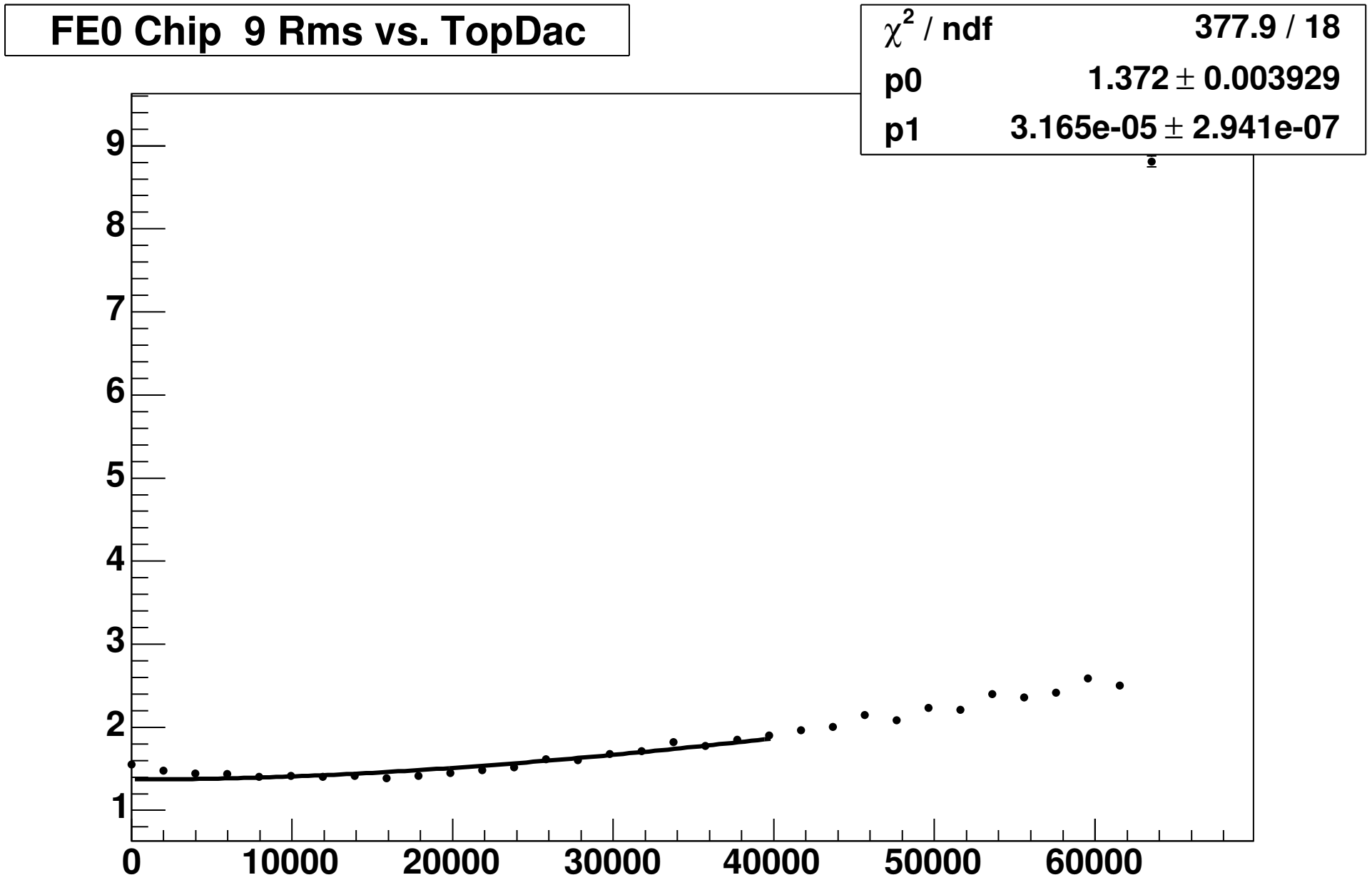
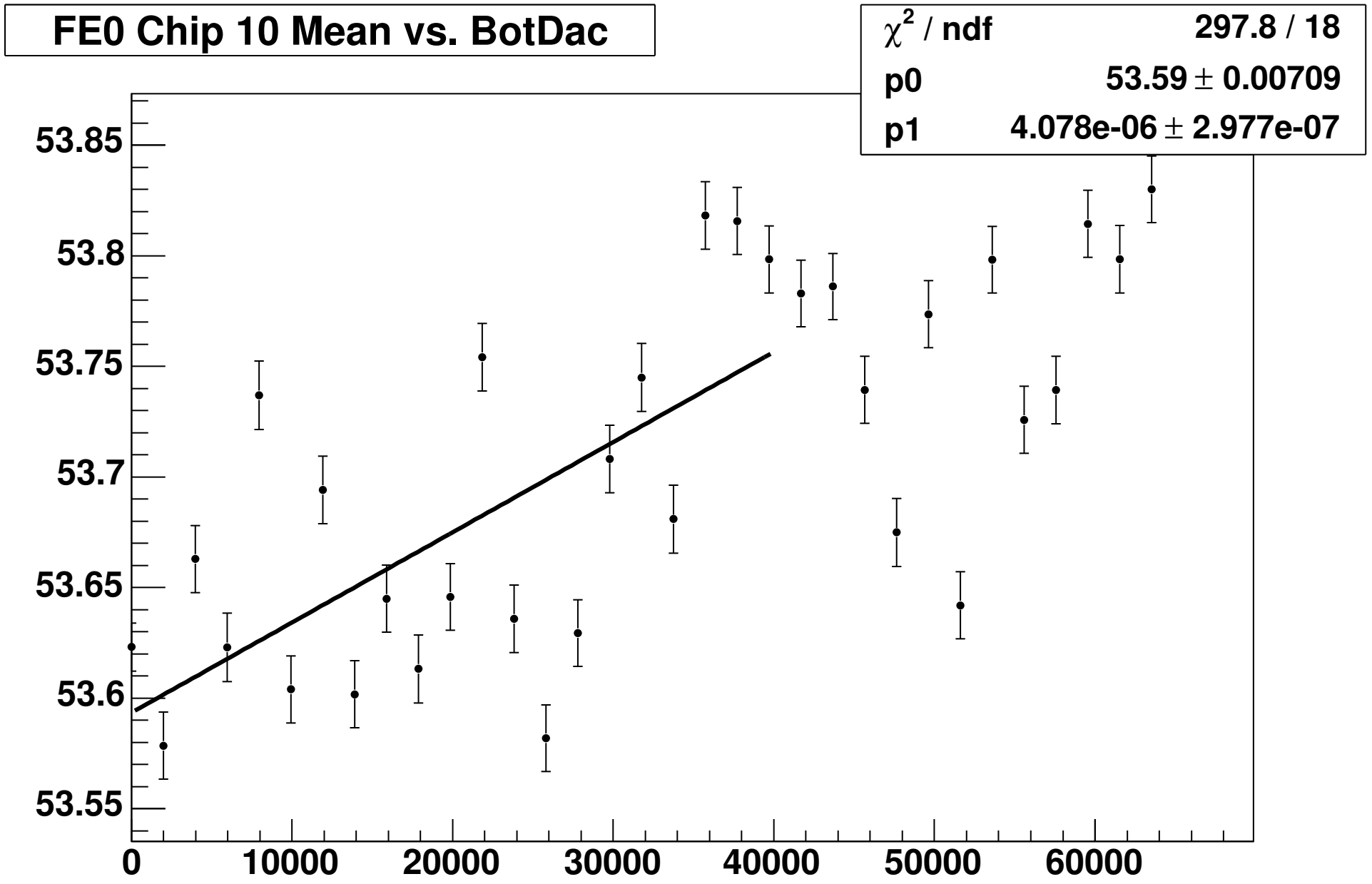

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 377.9 / 18
p0 1.372 ± 0.003929
p1 3.165e-05 ± 2.941e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 297.8 / 18
p0 53.59 ± 0.00709
p1 4.078e-06 ± 2.977e-07
53.85
53.8
53.75
53.7
53.65
53.6
53.55
0
10000
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30000
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50000
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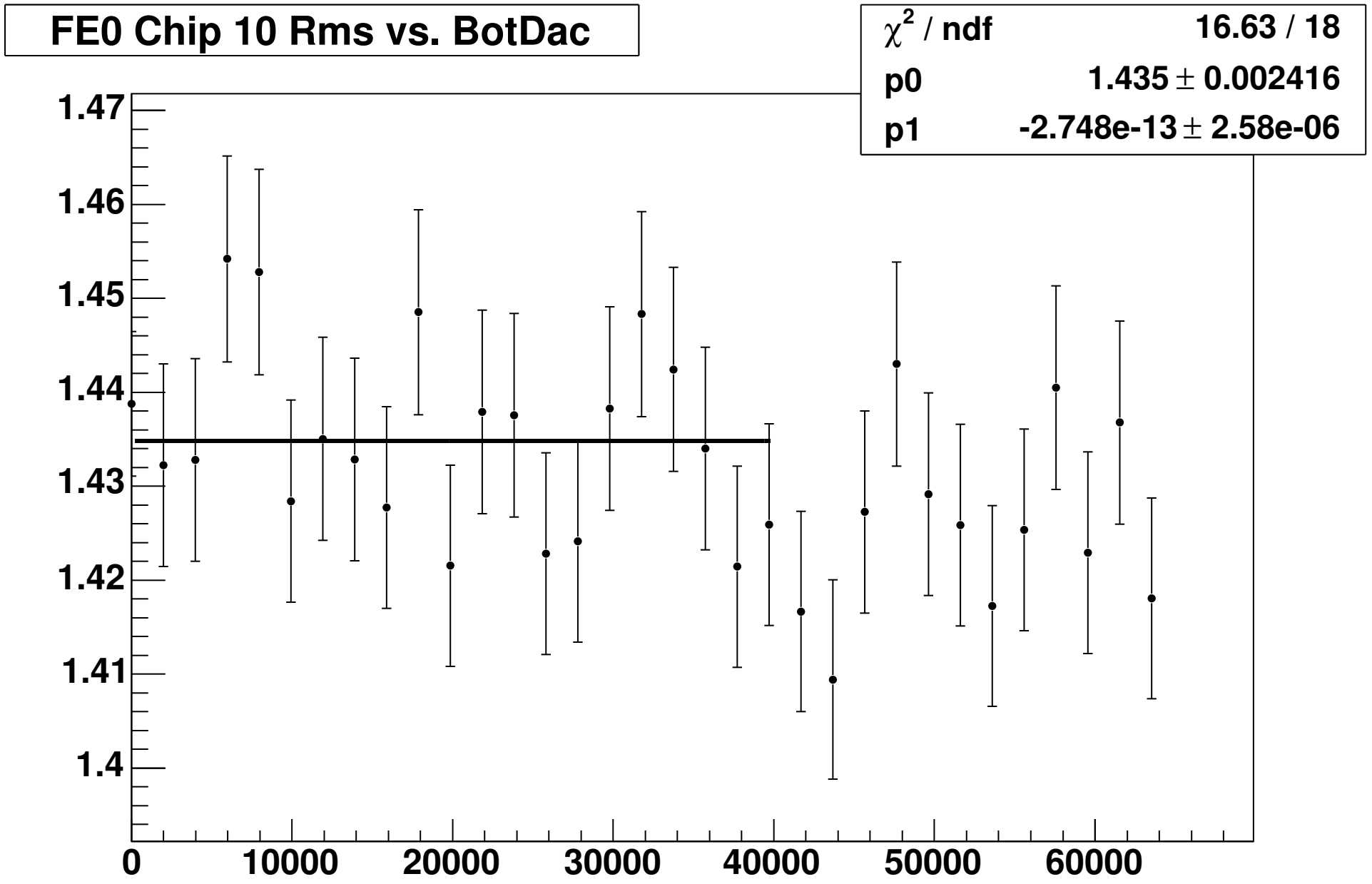
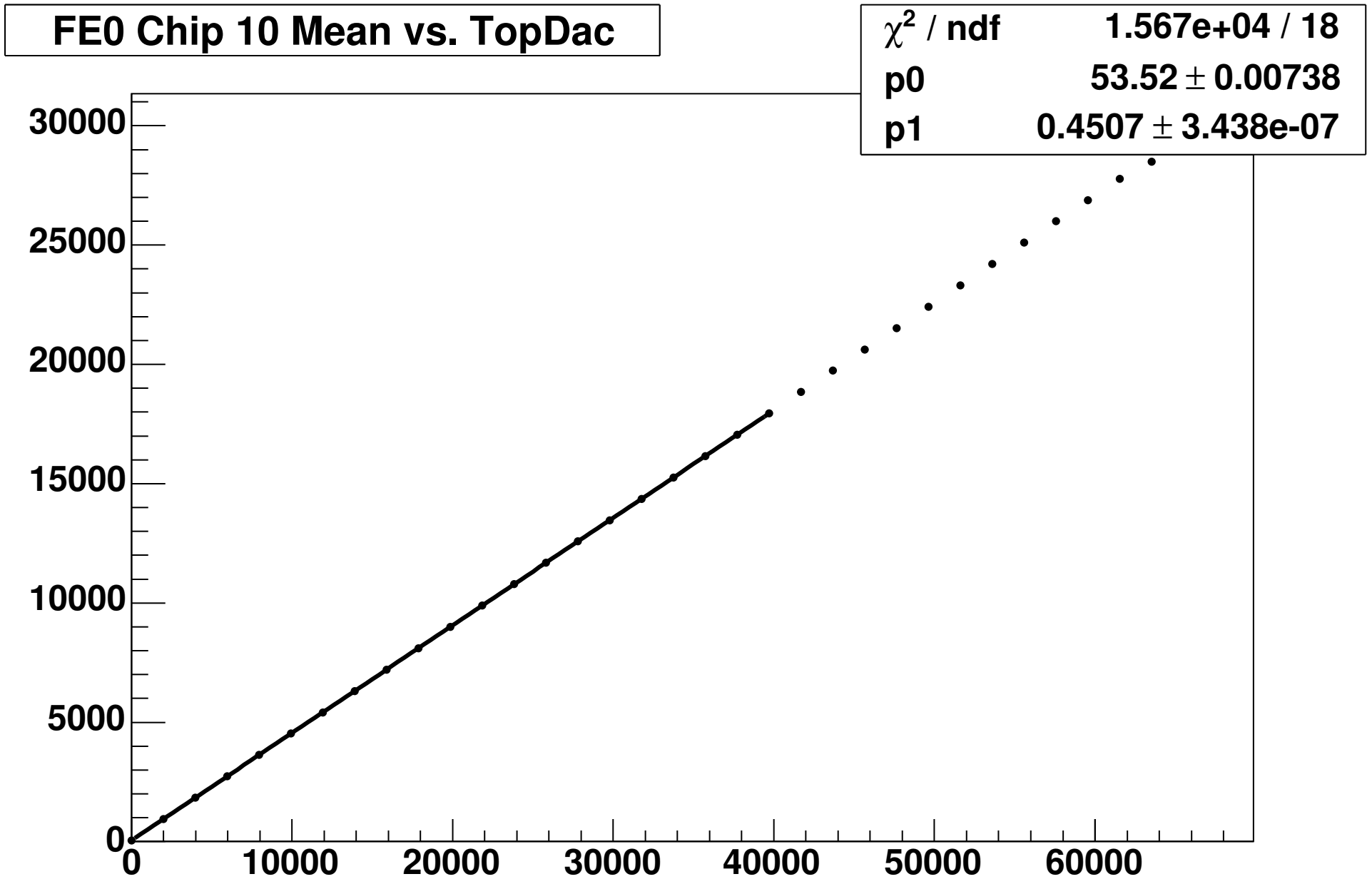

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 16.63 / 18
p0 1.435 ± 0.002416
p1 -2.748e-13 ± 2.58e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.567e+04 / 18
p0 53.52 ± 0.00738
p1 0.4507 ± 3.438e-07
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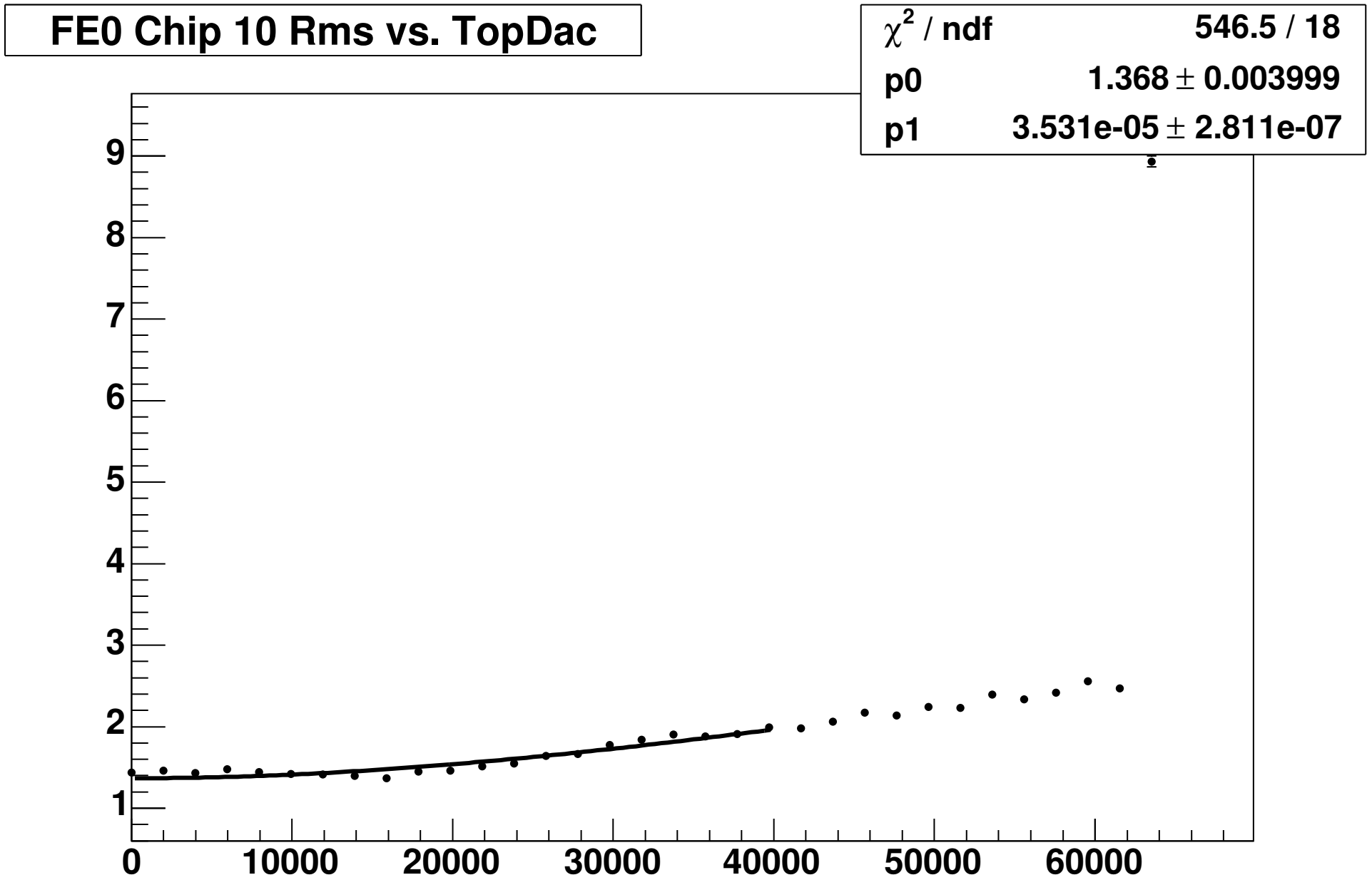
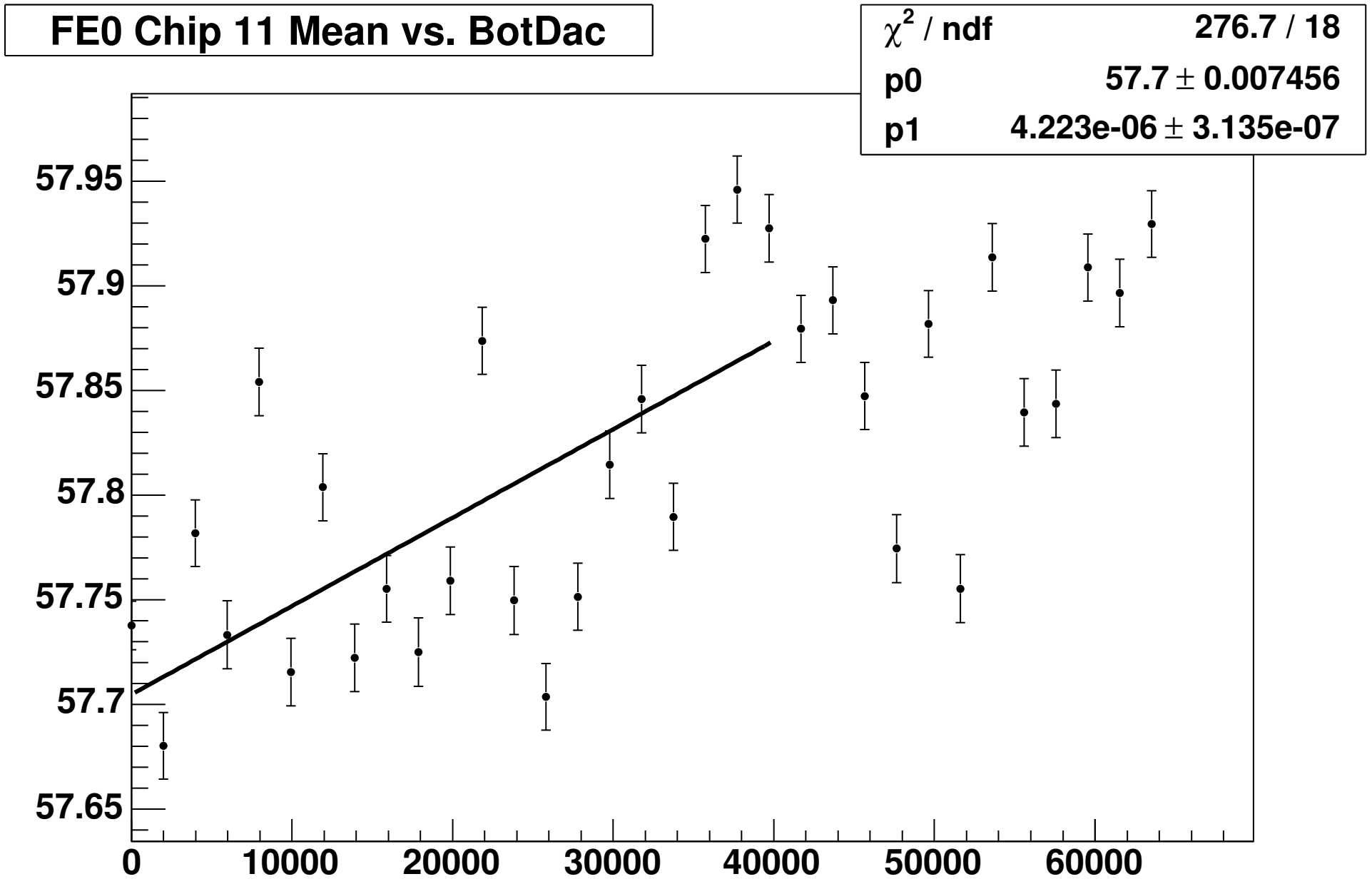
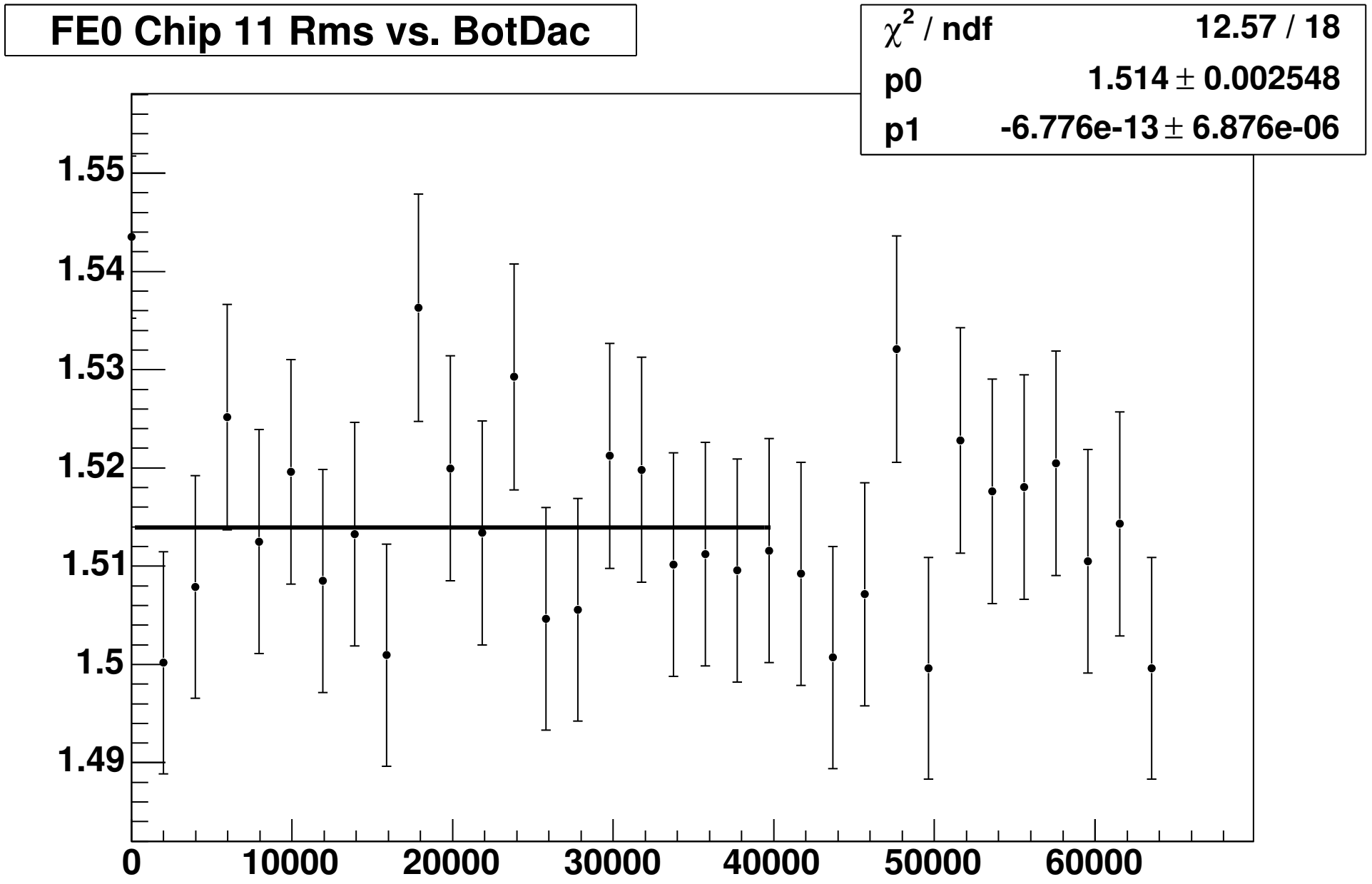
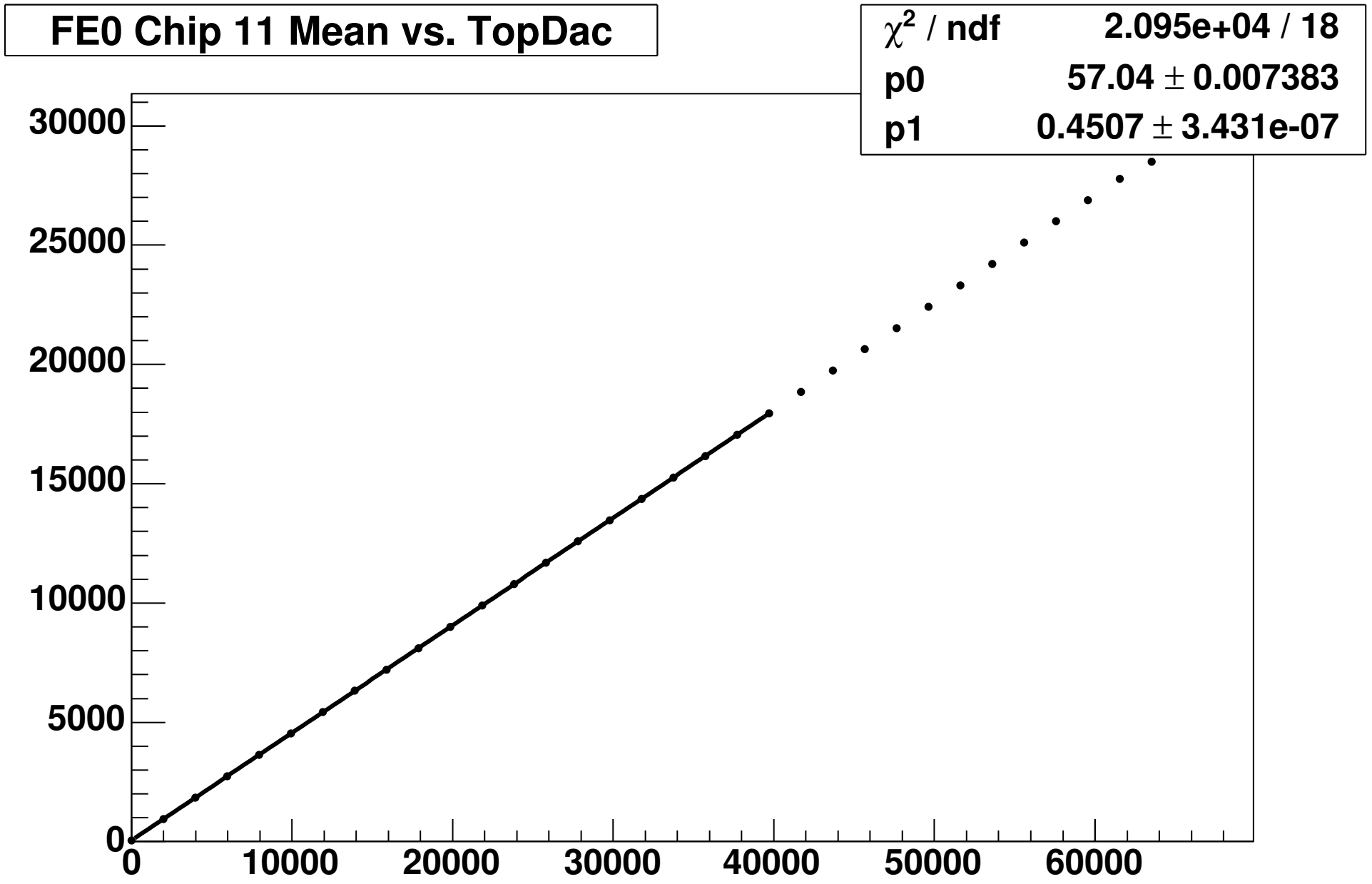
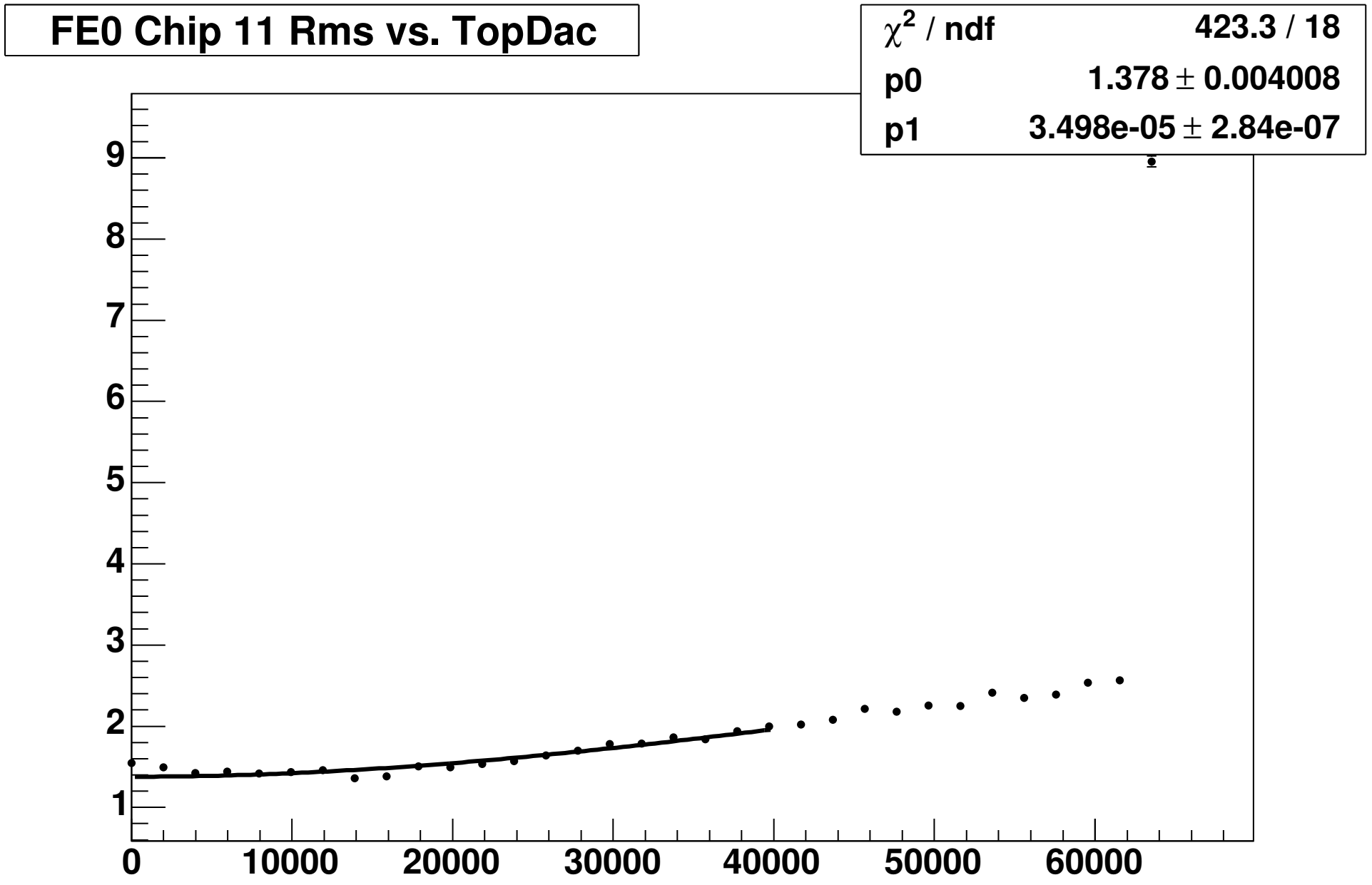
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

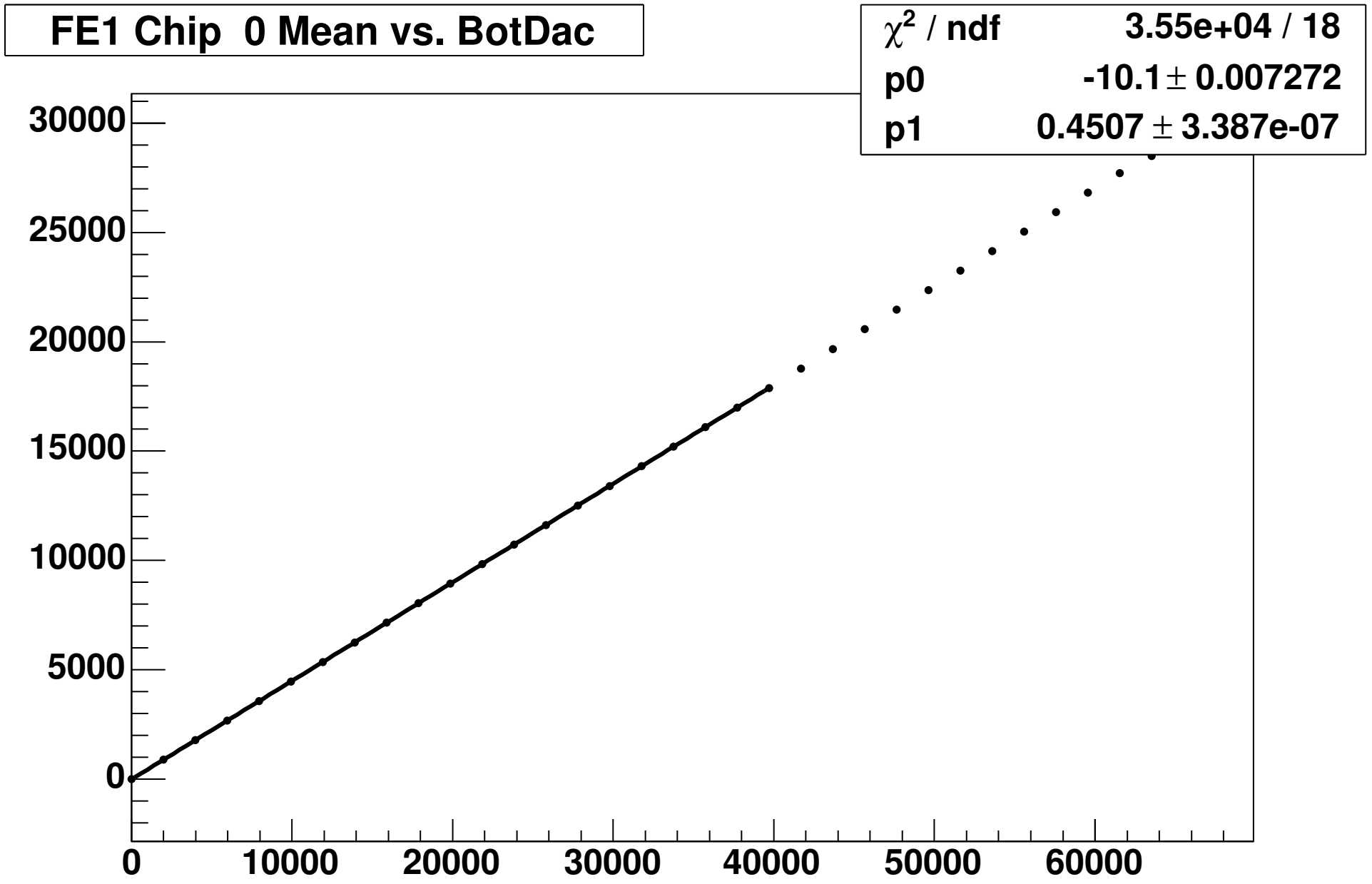

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 546.5 / 18
p0 1.368 ± 0.003999
p1 3.531e-05 ± 2.811e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

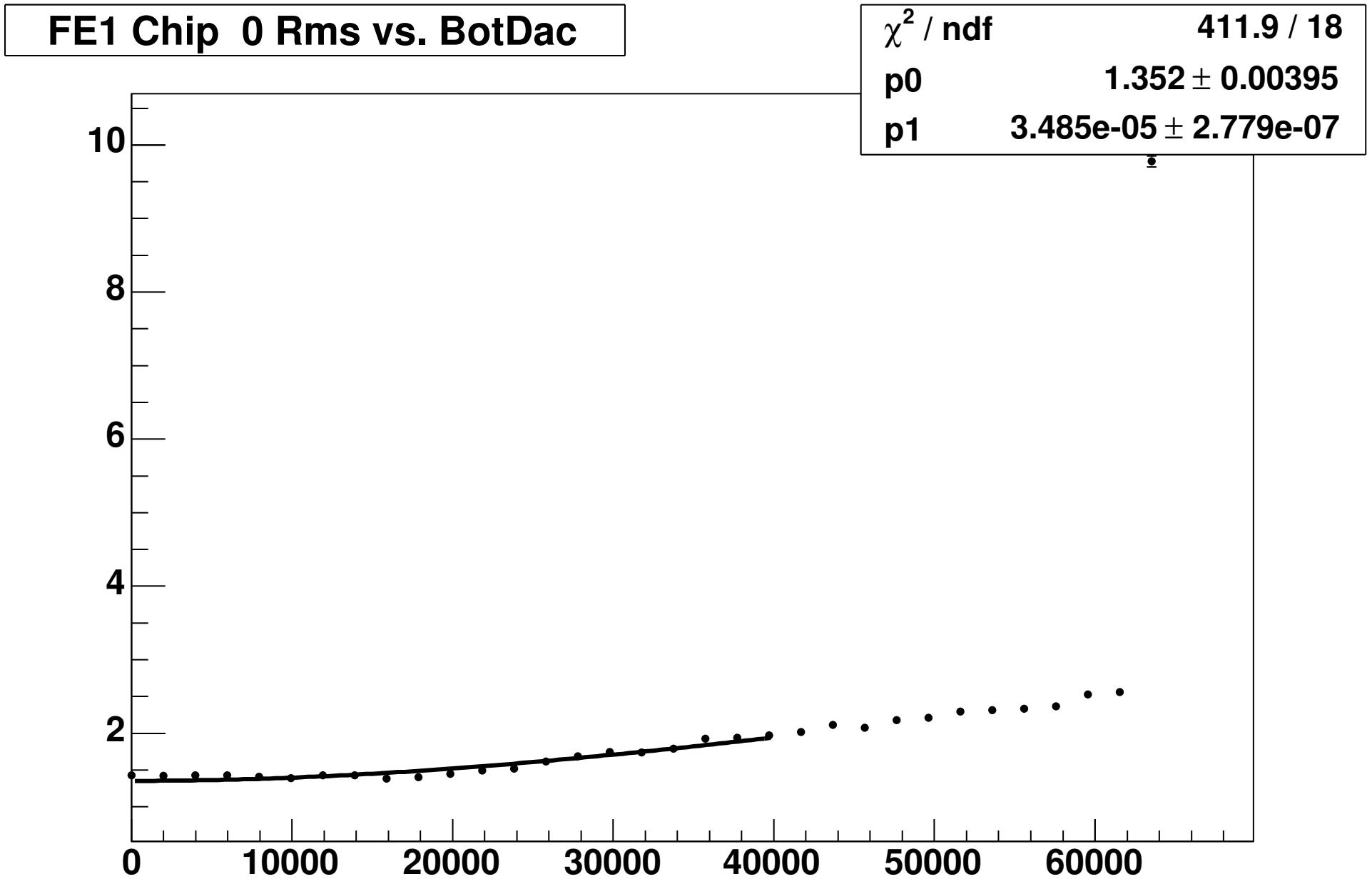

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 276.7 / 18
p0 57.7 ± 0.007456
p1 4.223e-06 ± 3.135e-07
57.95
57.9
57.85
57.8
57.75
57.7
57.65
0
10000
20000
30000
40000
50000
60000

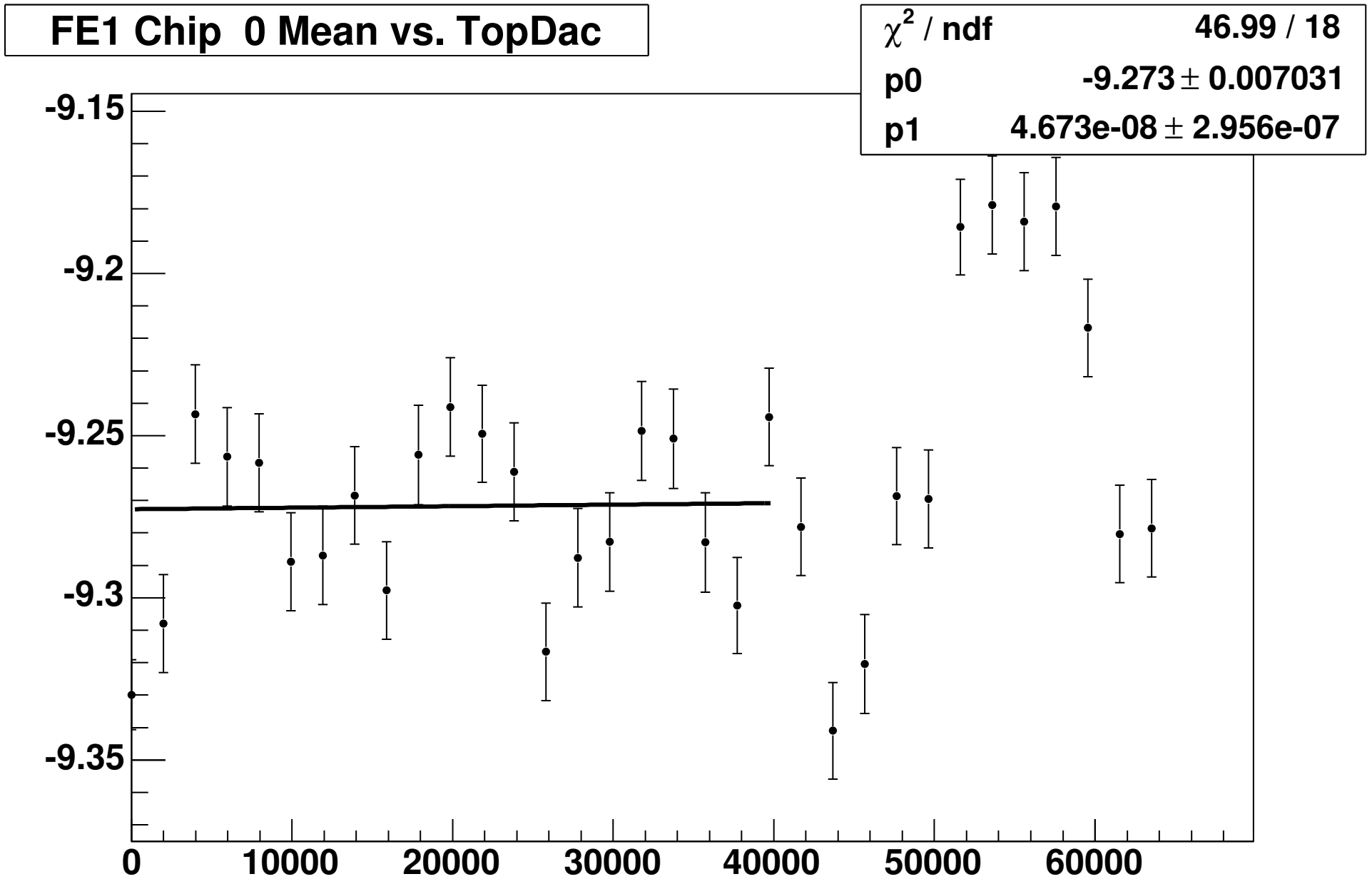

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 12.57 / 18
p0 1.514 ± 0.002548
p1 -6.776e-13 ± 6.876e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000

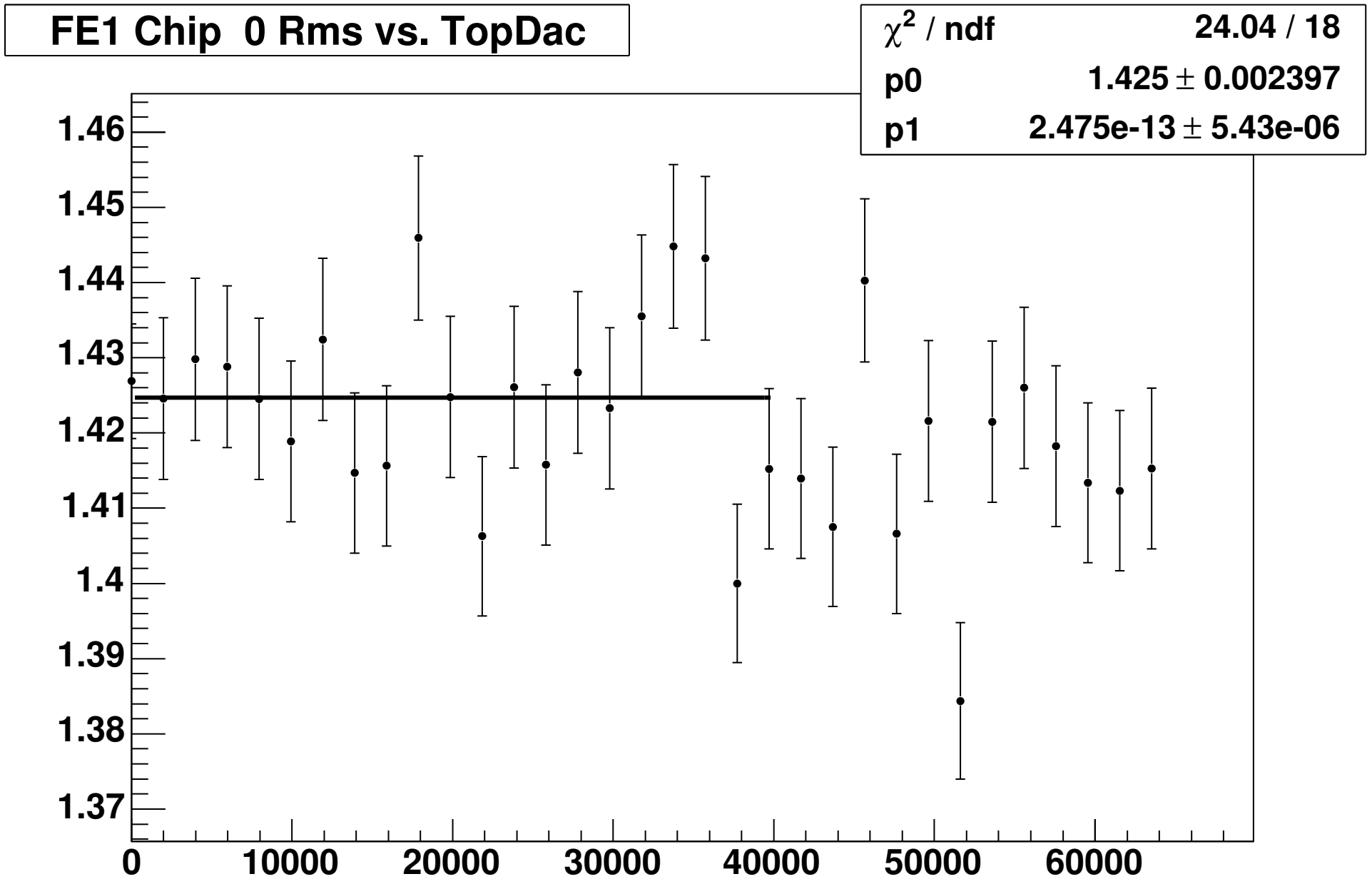

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 2.095e+04 / 18
p0 57.04 ± 0.007383
p1 0.4507 ± 3.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

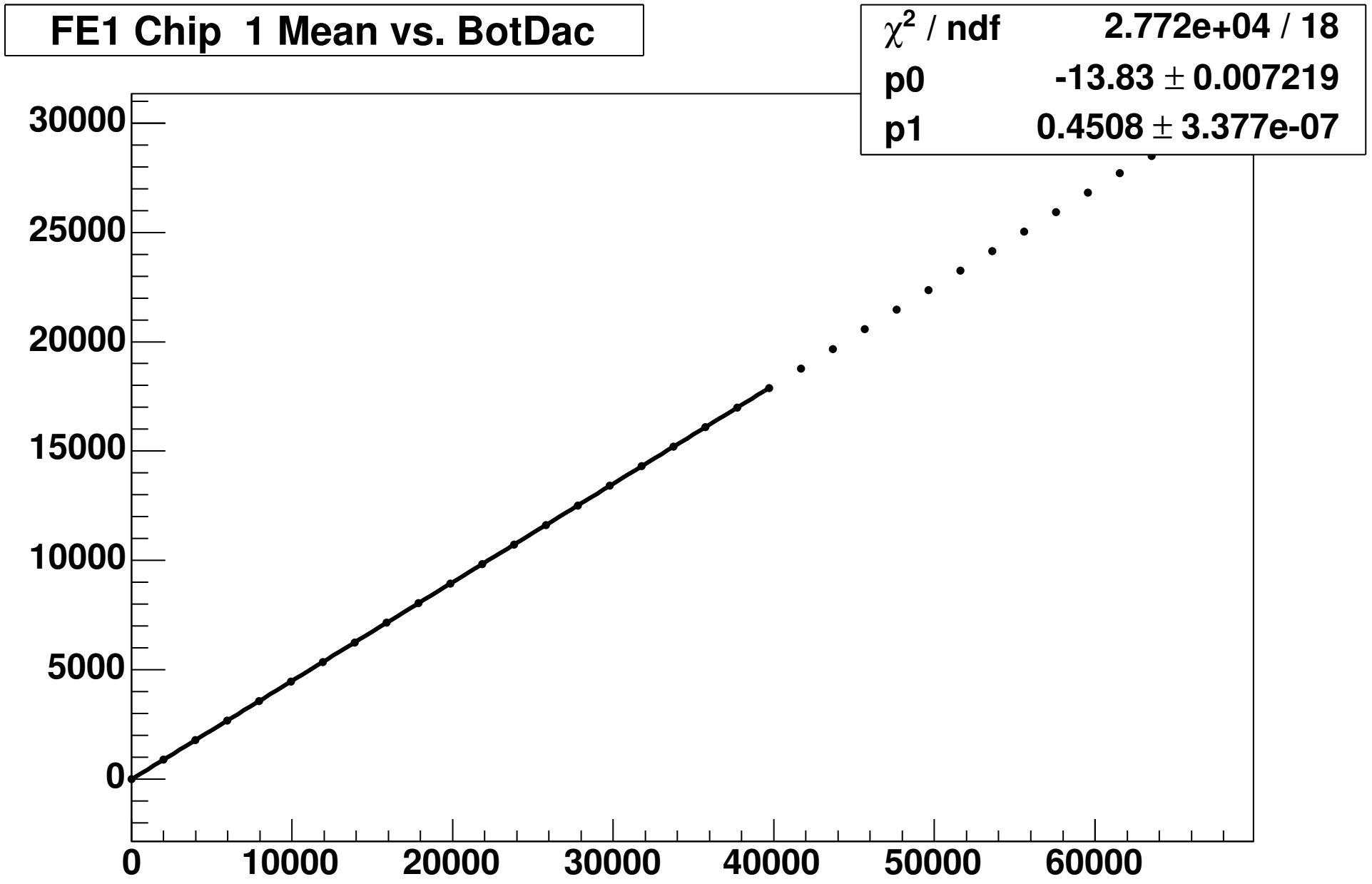

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 423.3 / 18
p0 1.378 ± 0.004008
p1 3.498e-05 ± 2.84e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

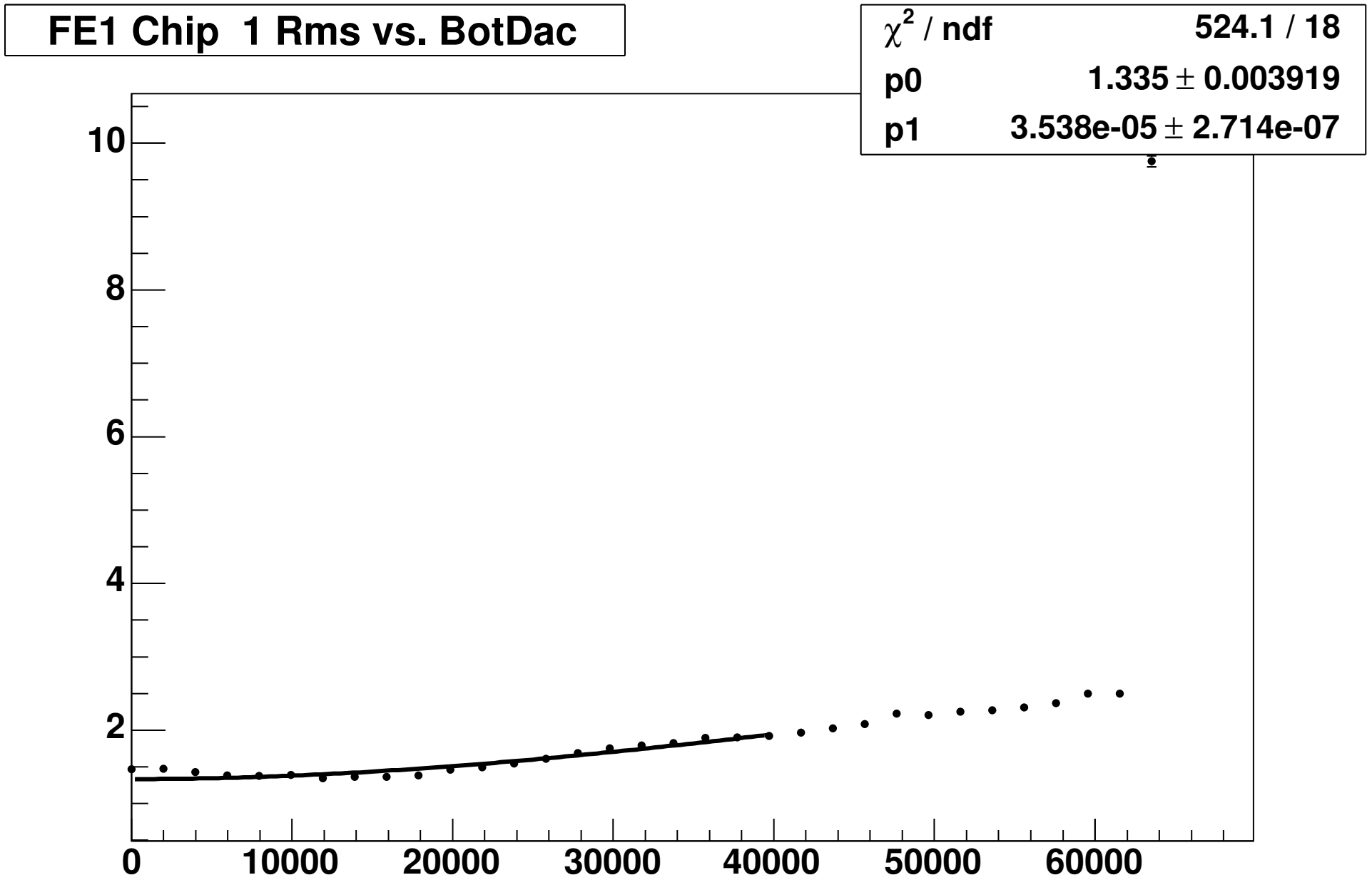

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 3.55e+04 / 18
p0 -10.1 ± 0.007272
p1 0.4507 ± 3.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

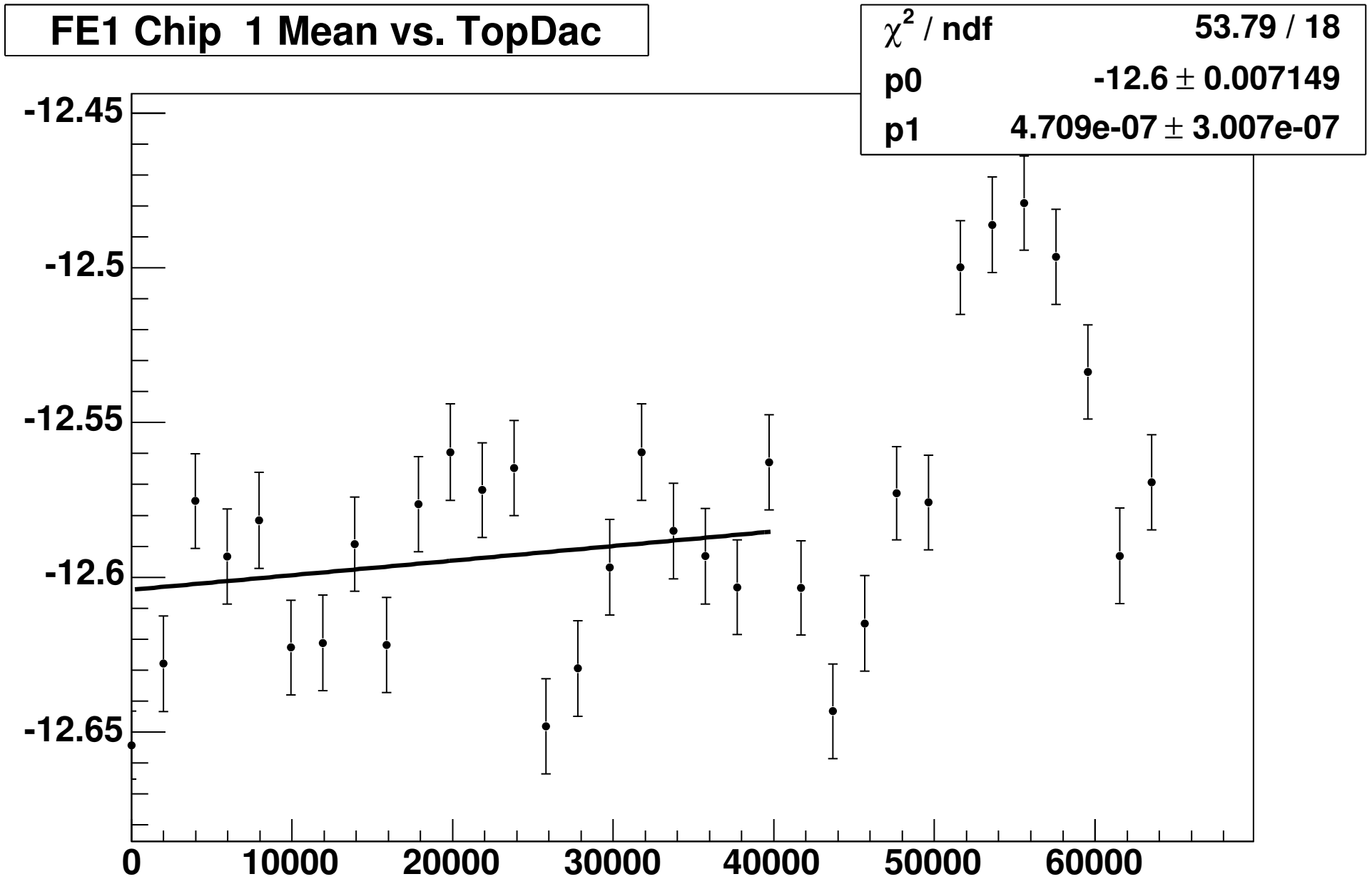

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 411.9 / 18
p0 1.352 ± 0.00395
p1 3.485e-05 ± 2.779e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

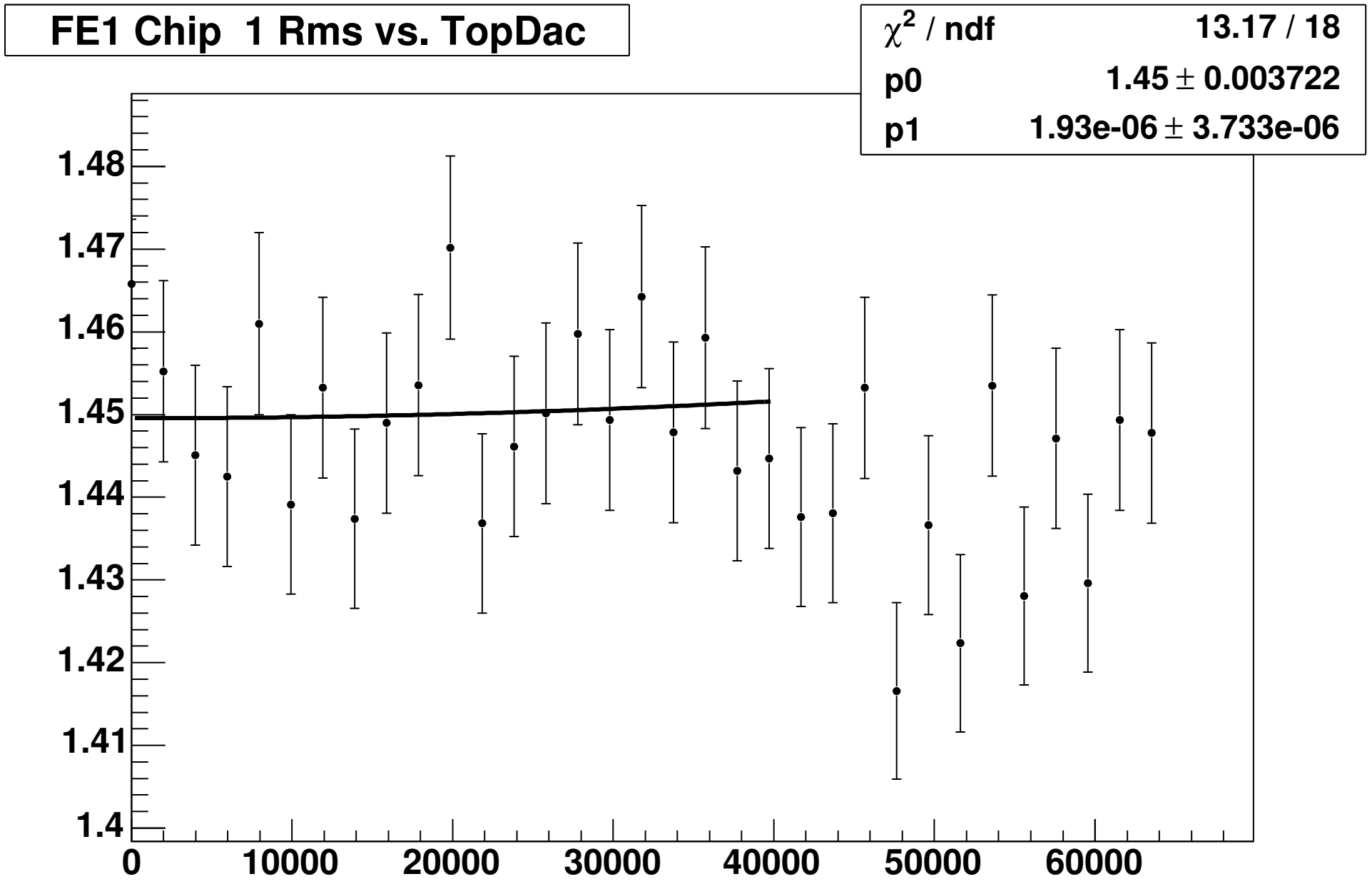

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 46.99 / 18
p0 -9.273 ± 0.007031
p1 4.673e-08 ± 2.956e-07
-9.15
-9.2
-9.25
-9.3
-9.35
0
10000
20000
30000
40000
50000
60000

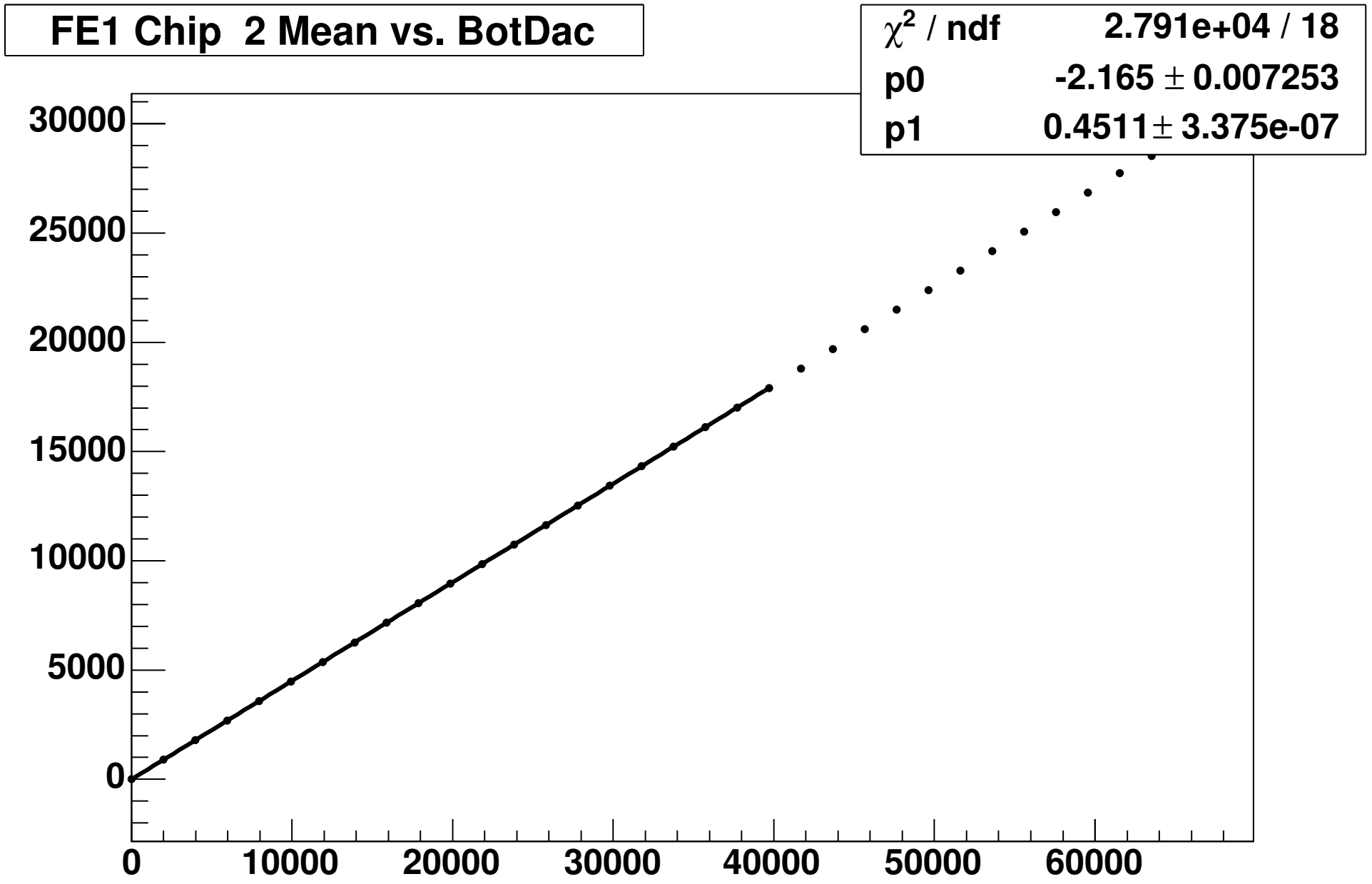

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 24.04 / 18
p0 1.425 ± 0.002397
p1 2.475e-13 ± 5.43e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
50000
60000

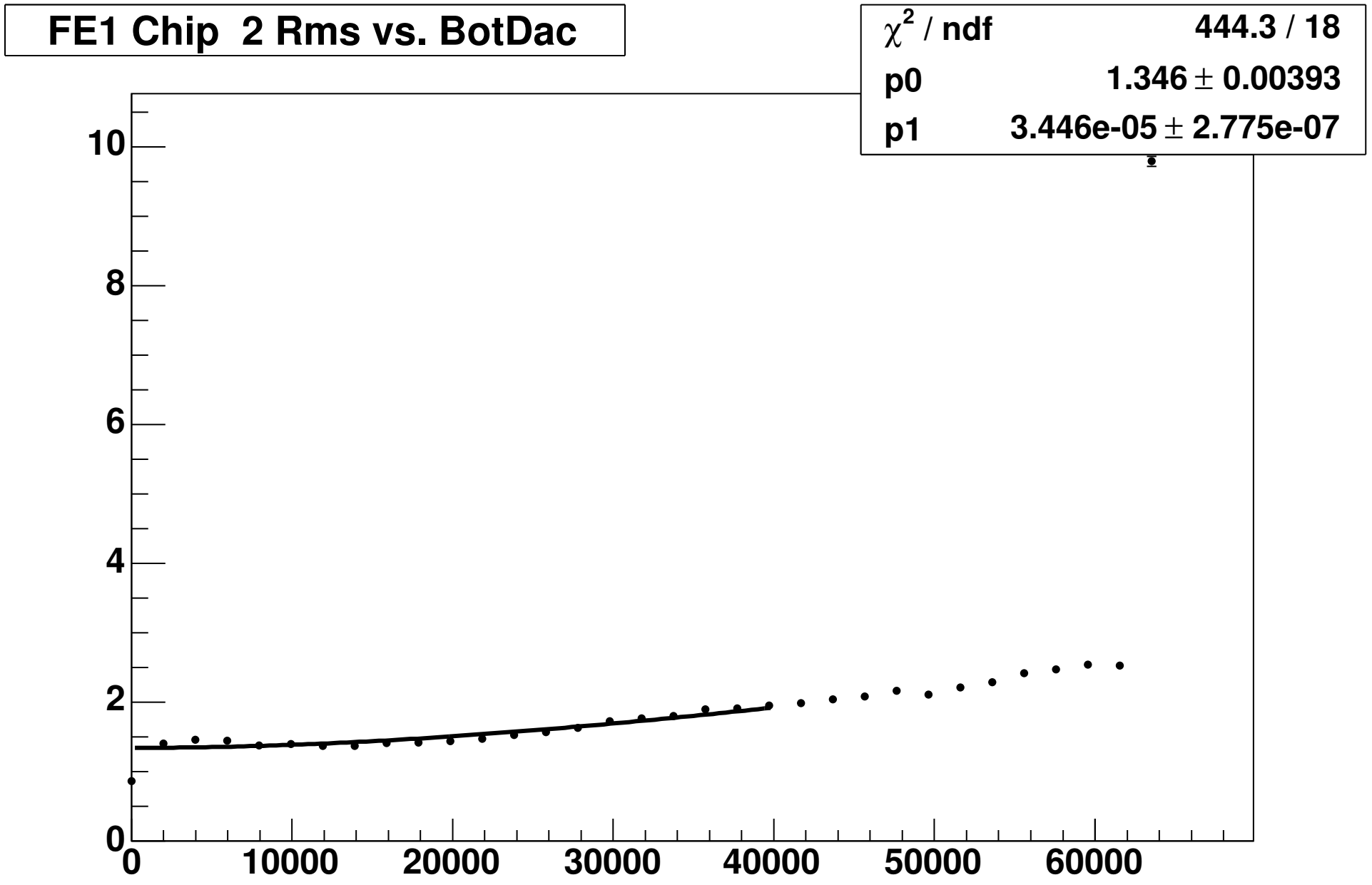

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 2.772e+04 / 18
p0 -13.83 ± 0.007219
p1 0.4508 ± 3.377e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

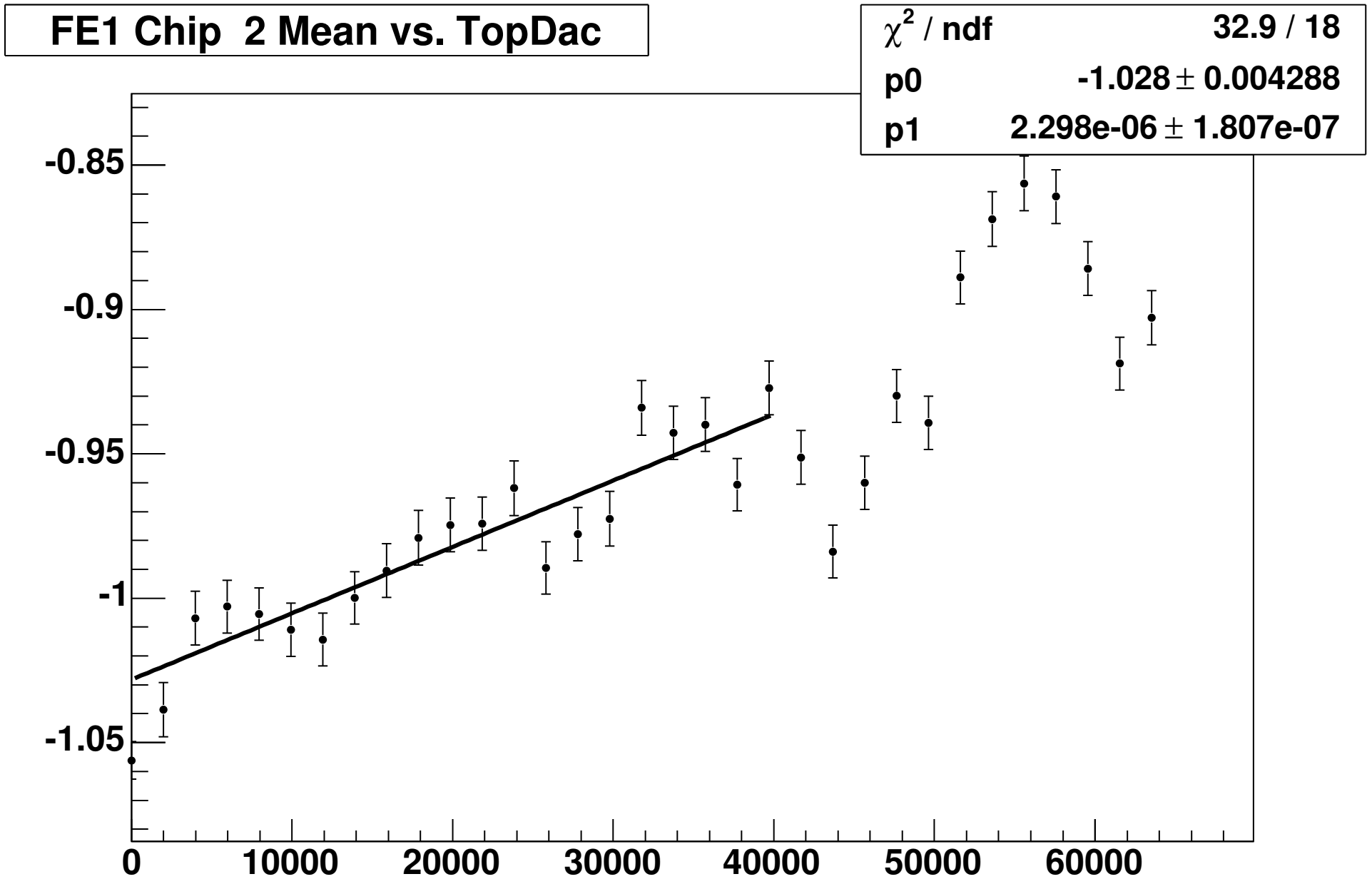

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 524.1 / 18
p0 1.335 ± 0.003919
p1 3.538e-05 ± 2.714e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

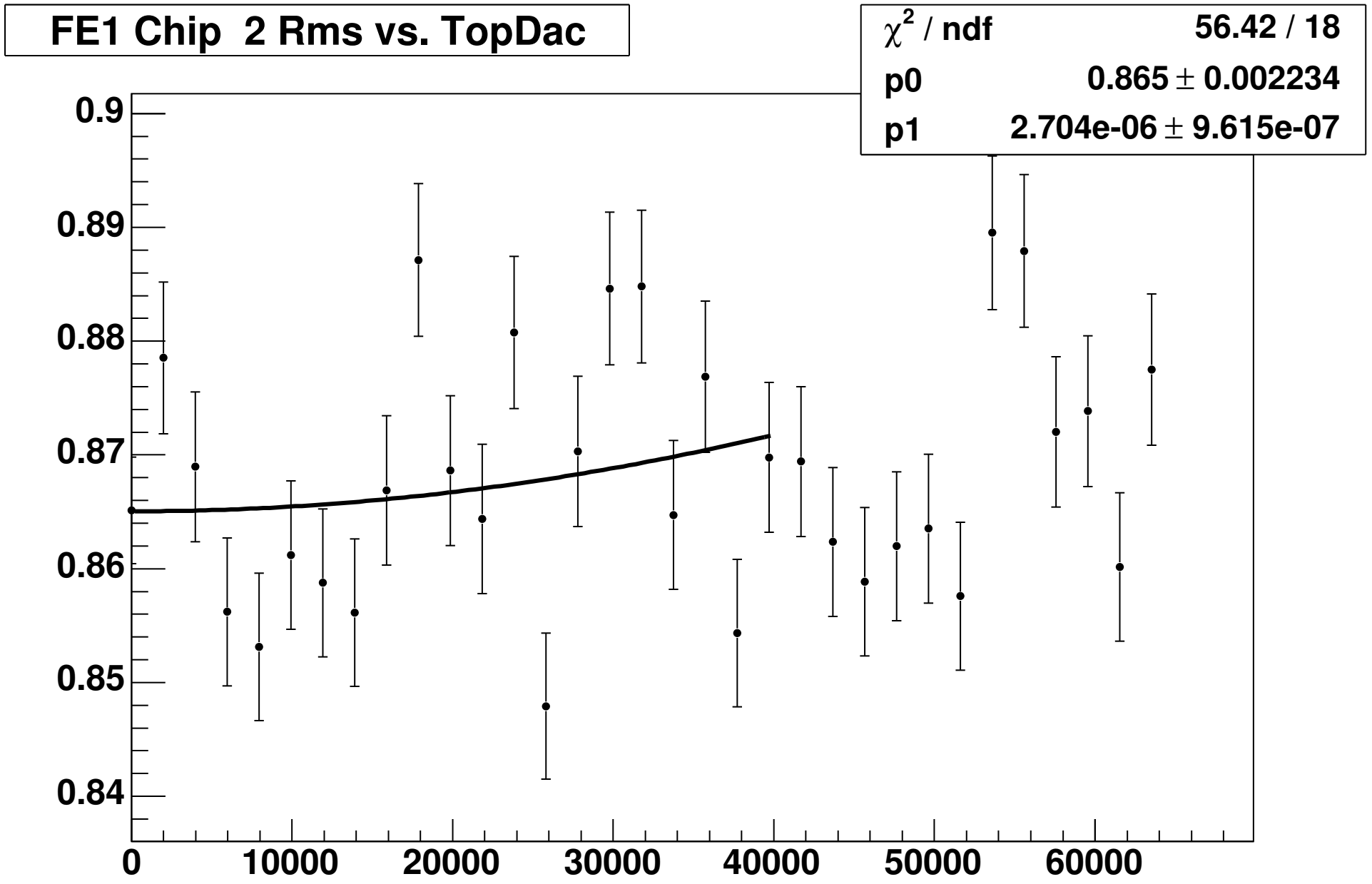

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 53.79 / 18
p0 -12.6 ± 0.007149
p1 4.709e-07 ± 3.007e-07
-12.45
-12.5
-12.55
-12.6
-12.65
0
10000
20000
30000
40000
50000
60000

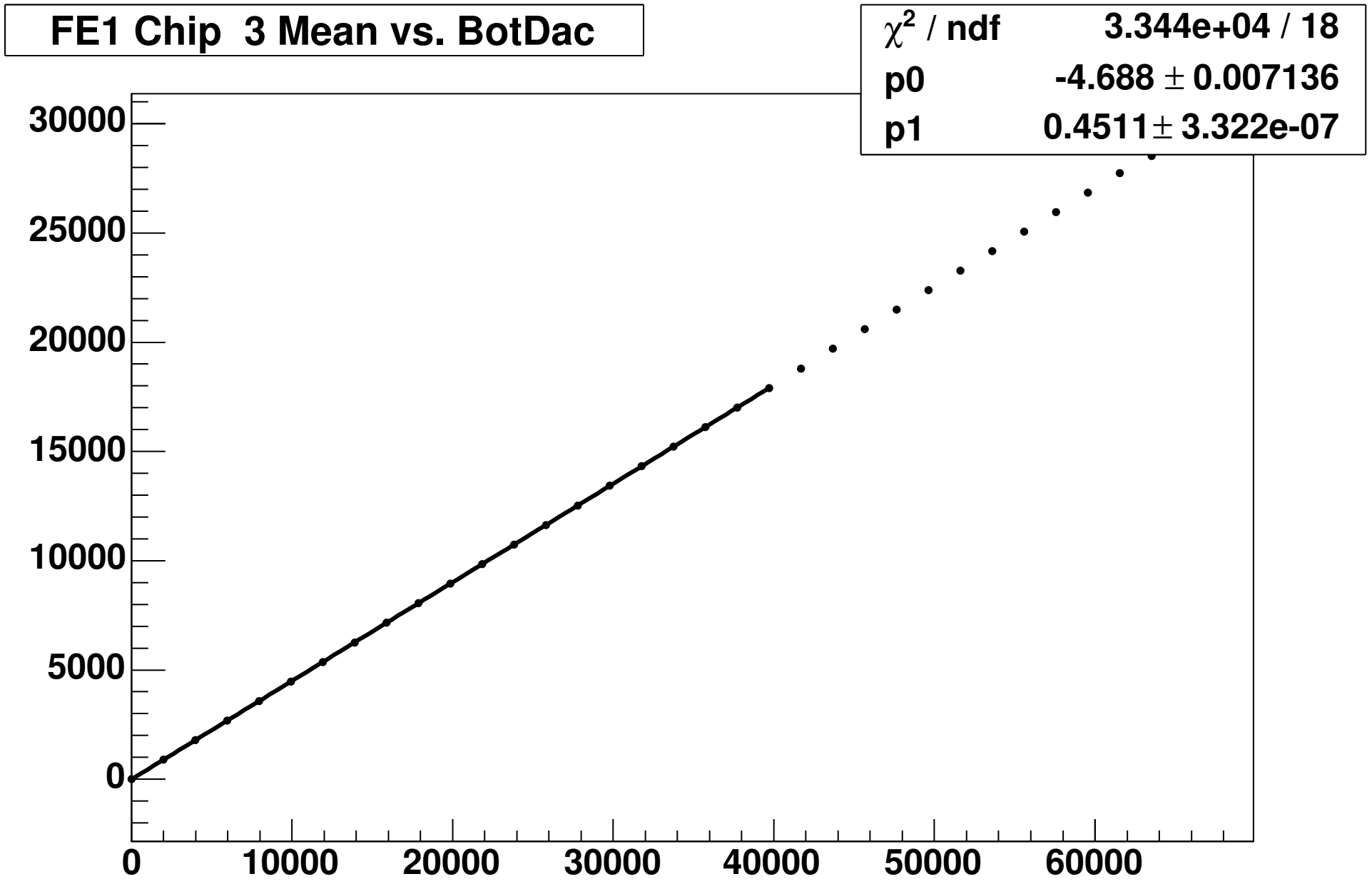

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 13.17 / 18
p0 1.45 ± 0.003722
p1 1.93e-06 ± 3.733e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

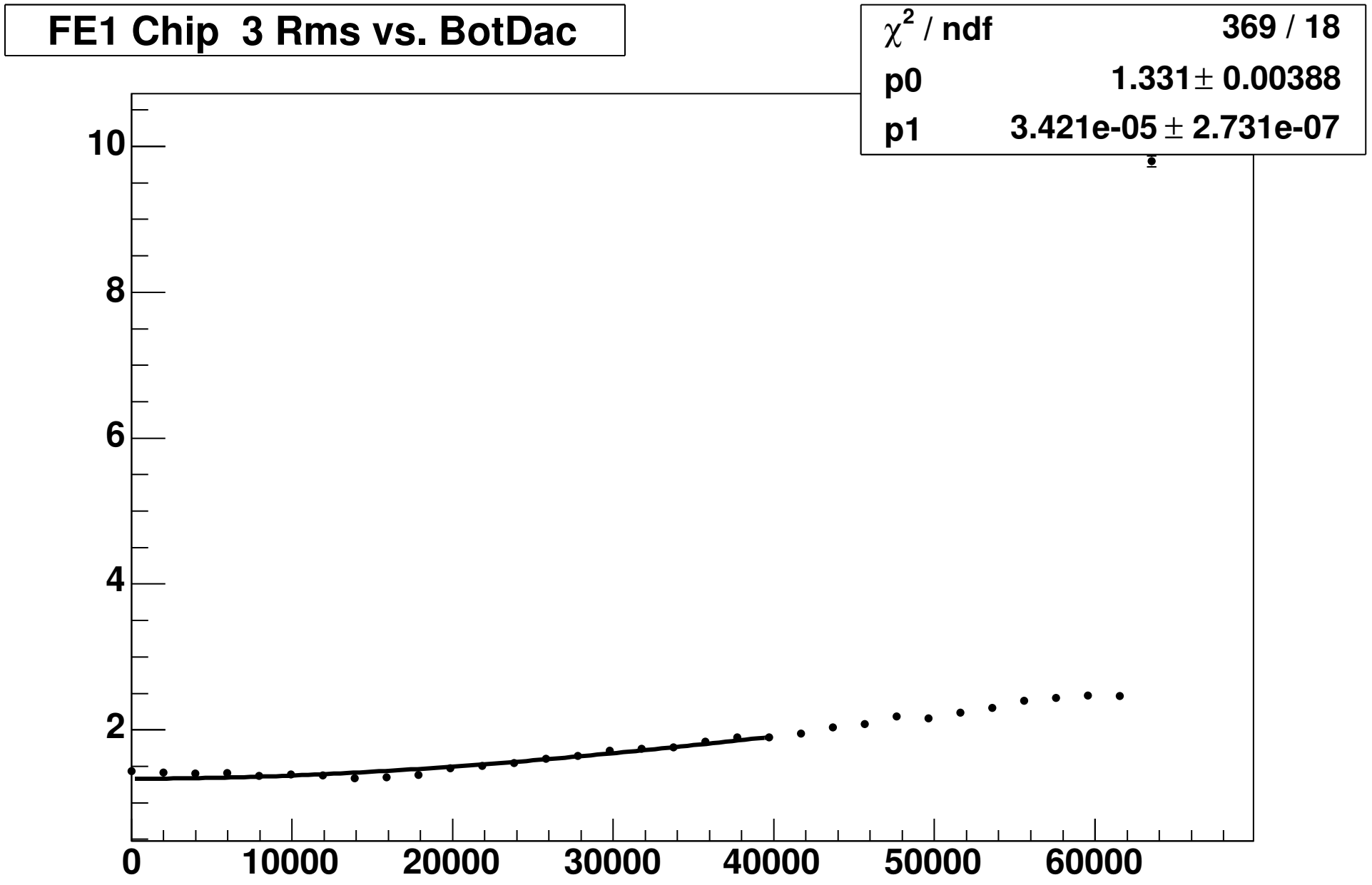

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 2.791e+04 / 18
p0 -2.165 ± 0.007253
p1 0.4511 ± 3.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

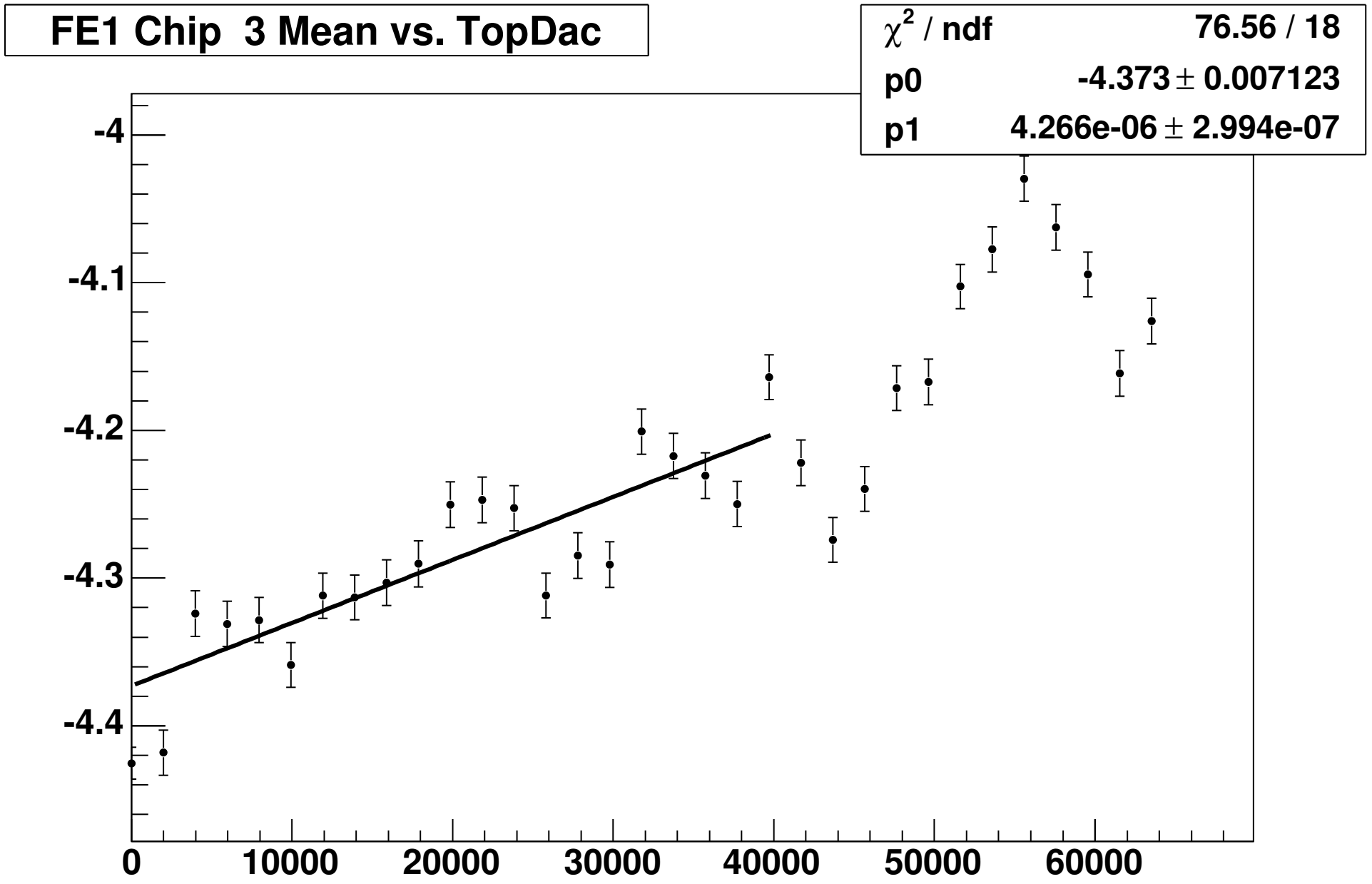

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 444.3 / 18
p0 1.346 ± 0.00393
p1 3.446e-05 ± 2.775e-07
0
2
4
6
8
10
0
10000
20000
30000
40000
50000
60000

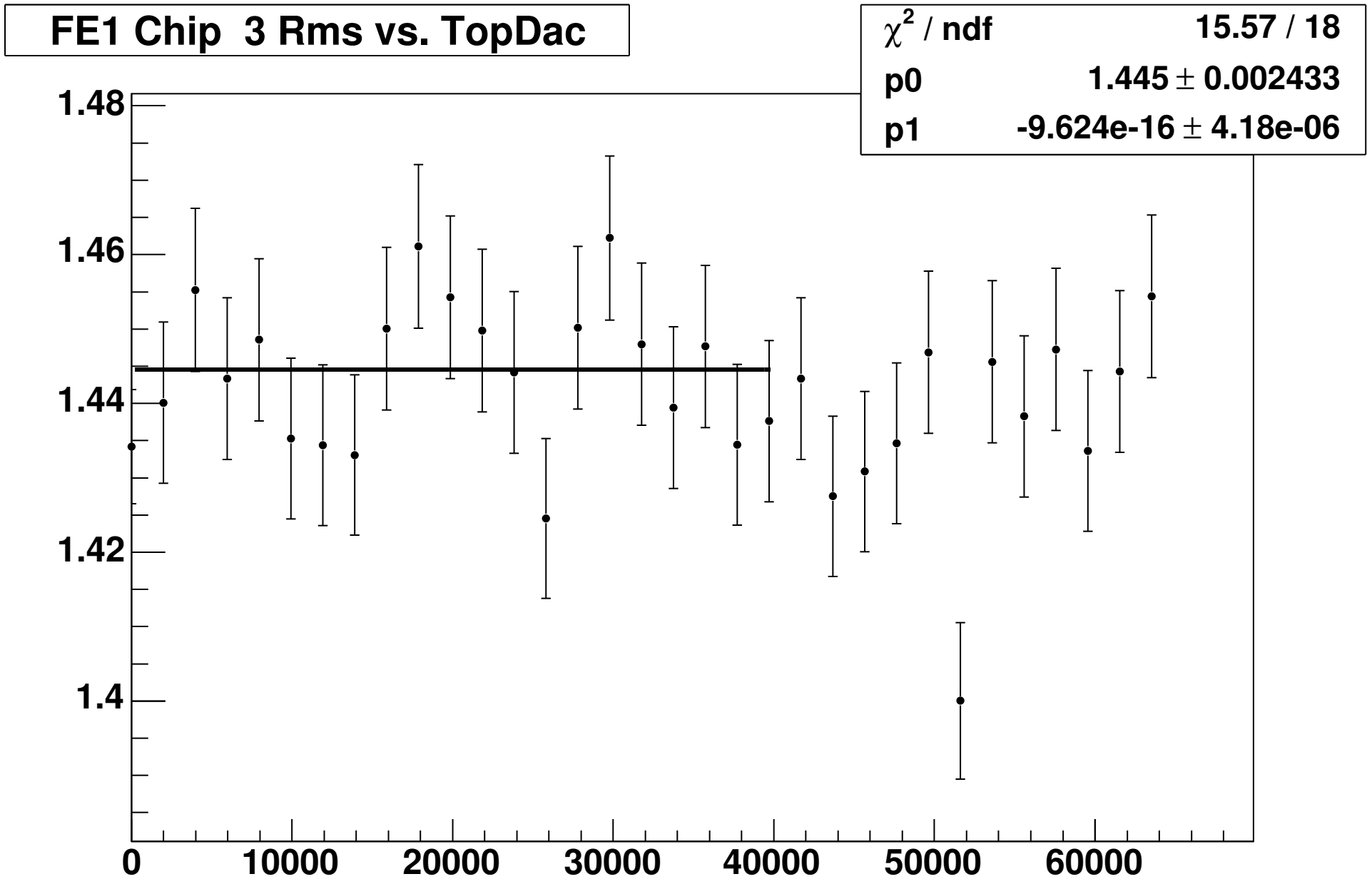

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 32.9 / 18
p0 -1.028 ± 0.004288
p1 2.298e-06 ± 1.807e-07
-0.85
-0.9
-0.95
-1
-1.05
0
10000
20000
30000
40000
50000
60000

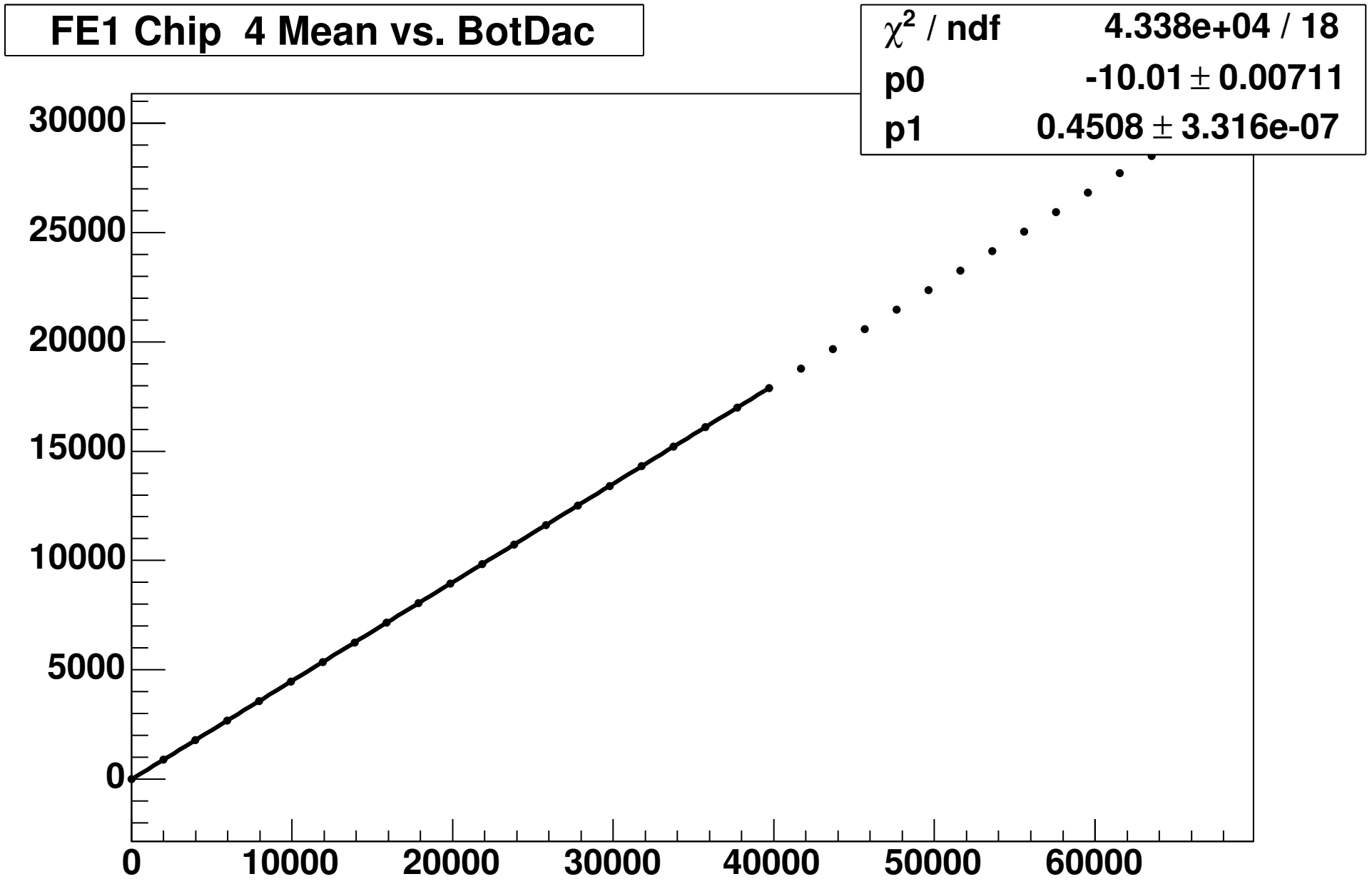

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 56.42 / 18
p0 0.865 ± 0.002234
p1 2.704e-06 ± 9.615e-07
0.9
0.89
0.88
0.87
0.86
0.85
0.84
0
10000
20000
30000
40000
50000
60000

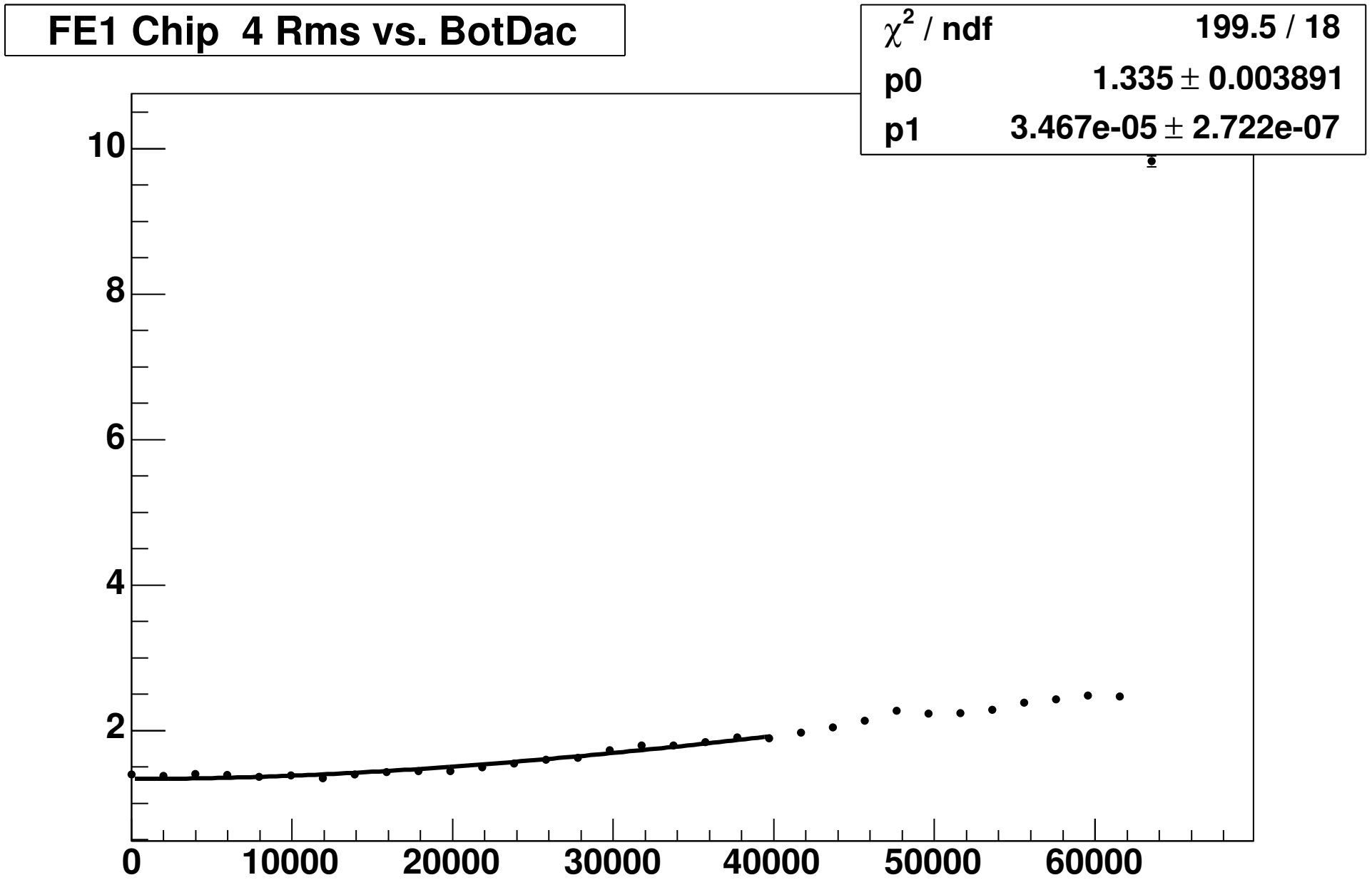

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 3.344e+04 / 18
p0 -4.688 ± 0.007136
p1 0.4511 ± 3.322e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

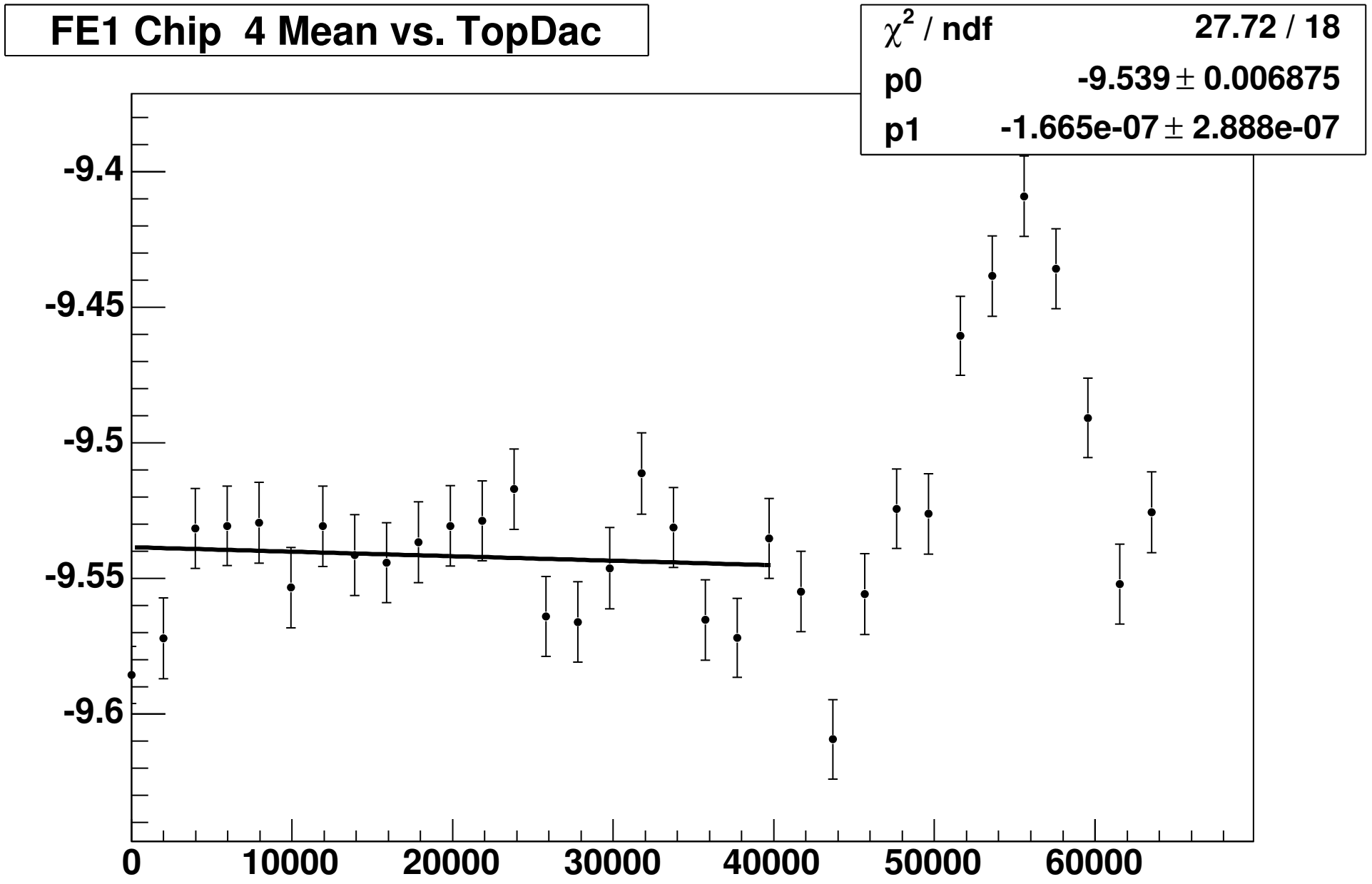

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 369 / 18
p0 1.331 ± 0.00388
p1 3.421e-05 ± 2.731e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

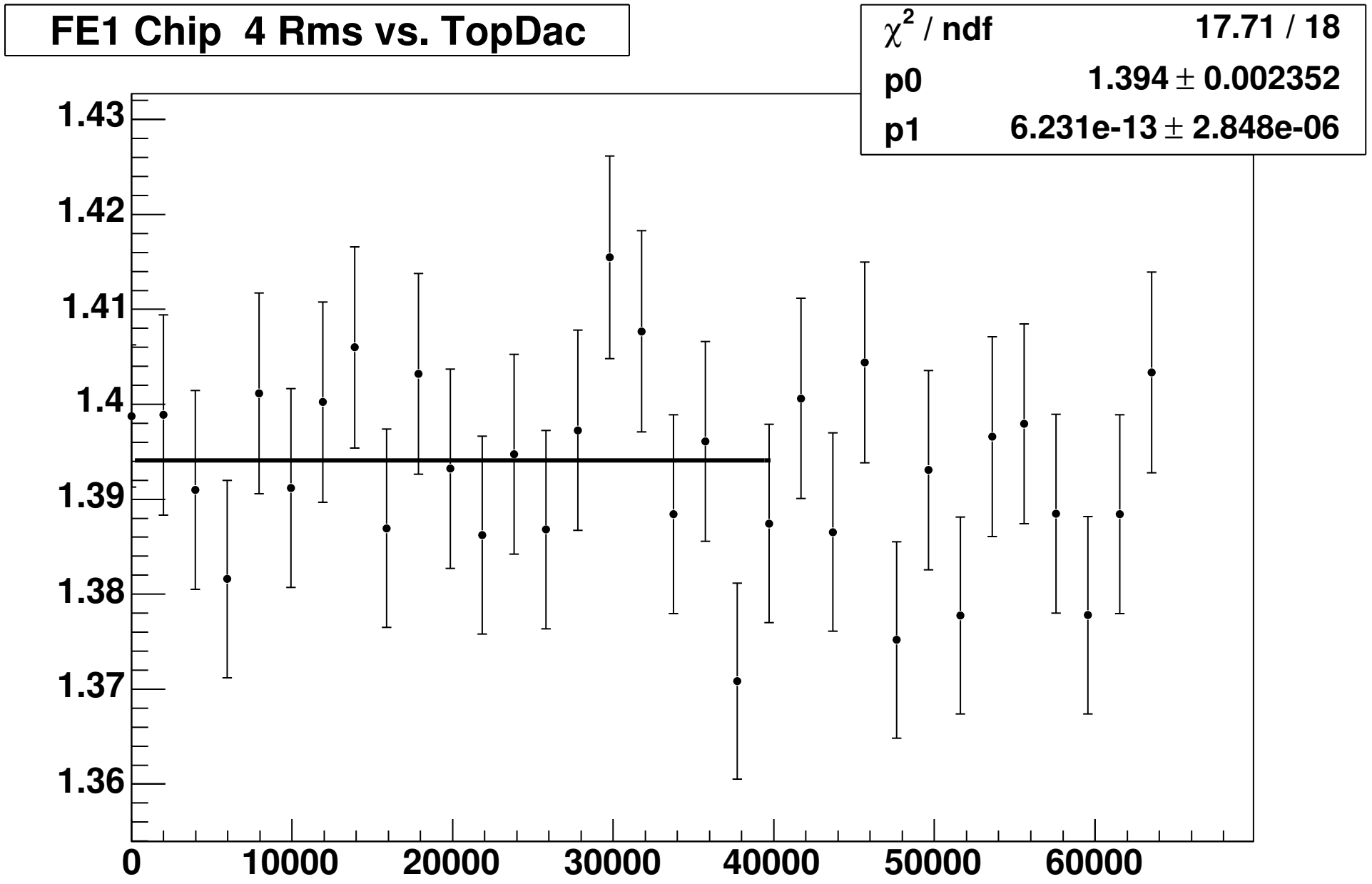

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 76.56 / 18
p0 -4.373 ± 0.007123
p1 4.266e-06 ± 2.994e-07
-4
-4.1
-4.2
-4.3
-4.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 15.57 / 18
p0 1.445 ± 0.002433
p1 -9.624e-16 ± 4.18e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 4.338e+04 / 18
p0 -10.01 ± 0.00711
p1 0.4508 ± 3.316e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 199.5 / 18
p0 1.335 ± 0.003891
p1 3.467e-05 ± 2.722e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 27.72 / 18
p0 -9.539 ± 0.006875
p1 -1.665e-07 ± 2.888e-07
-9.4
-9.45
-9.5
-9.55
-9.6
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 17.71 / 18
p0 1.394 ± 0.002352
p1 6.231e-13 ± 2.848e-06
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
20000
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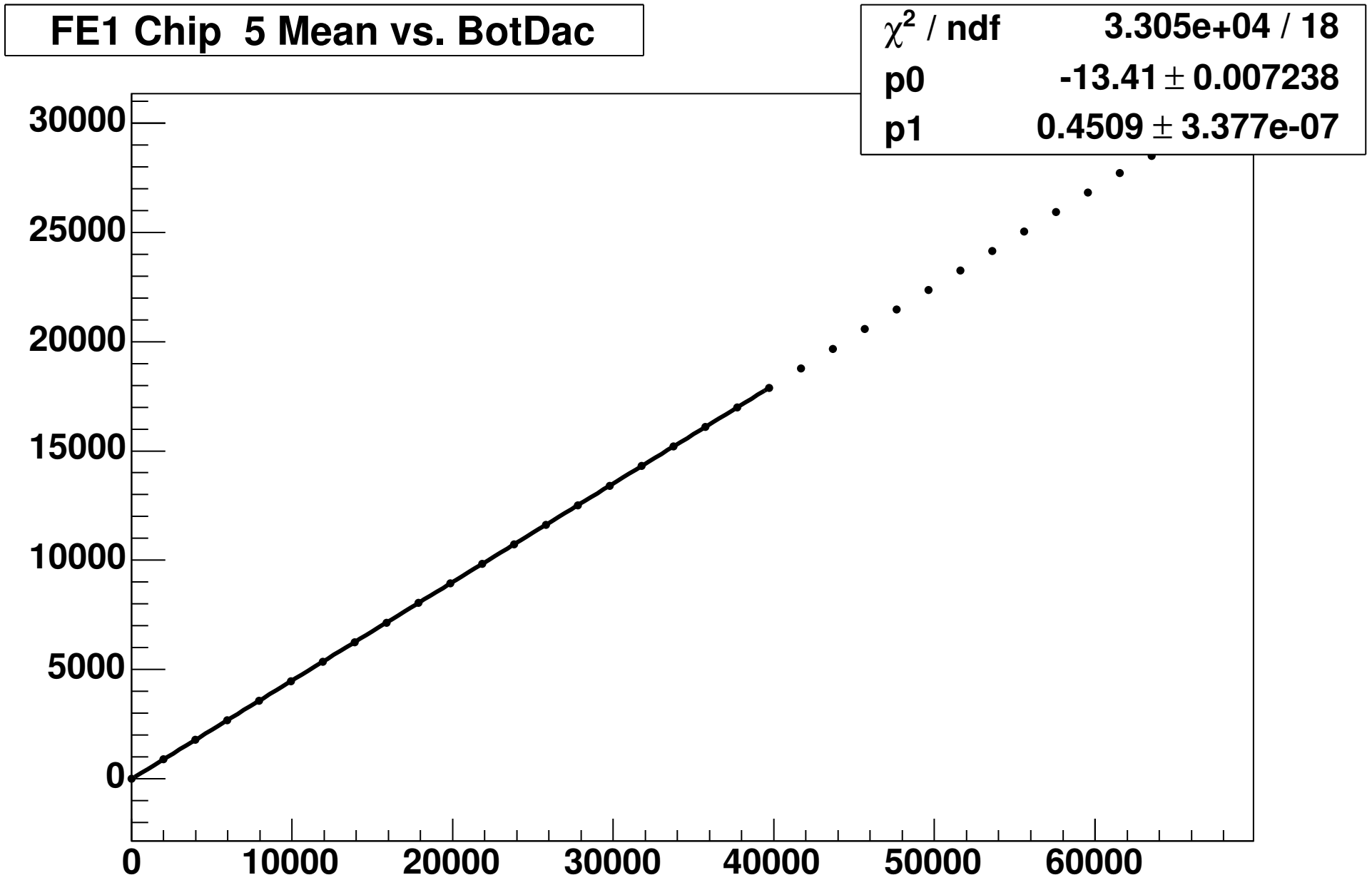
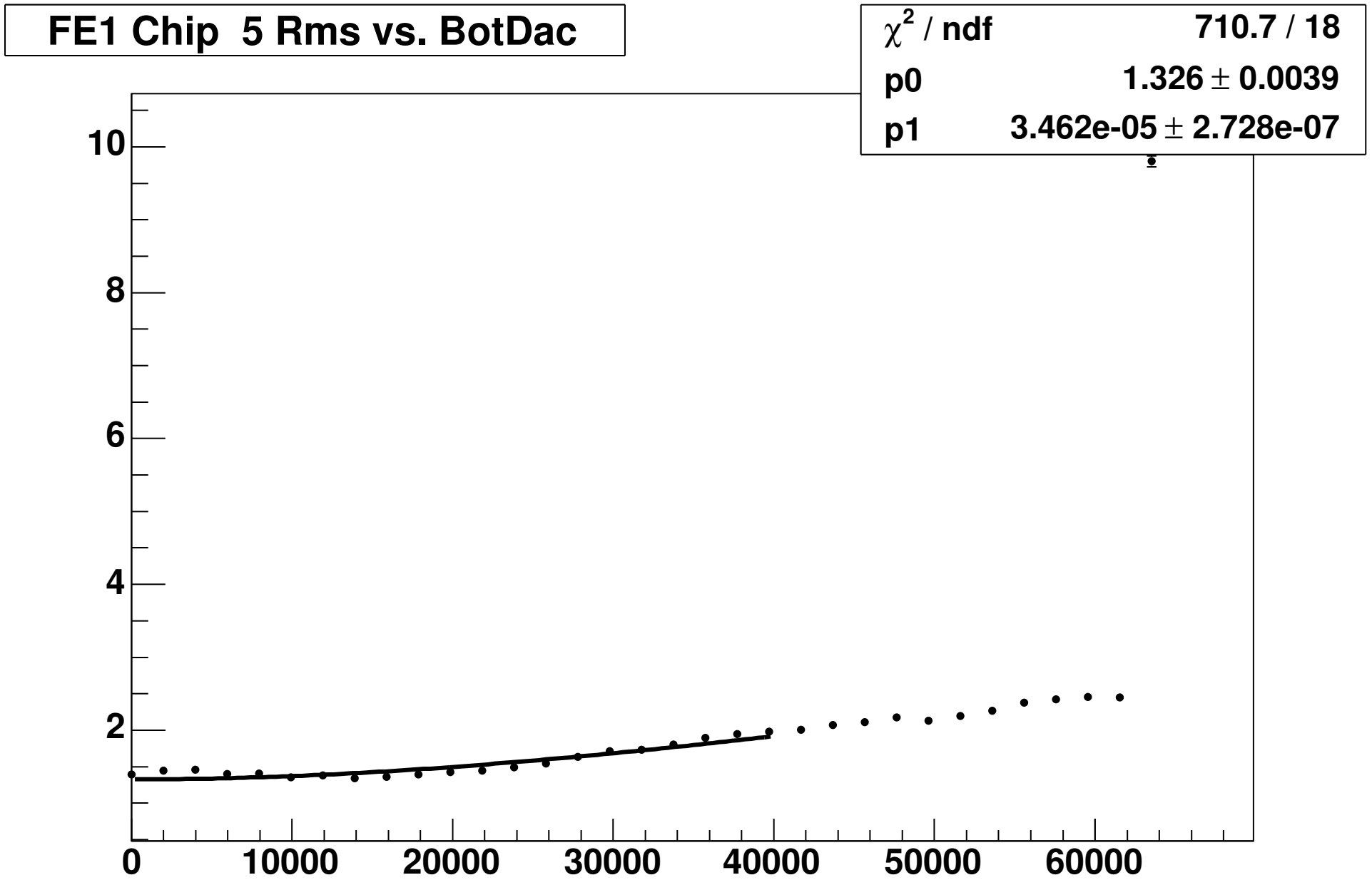
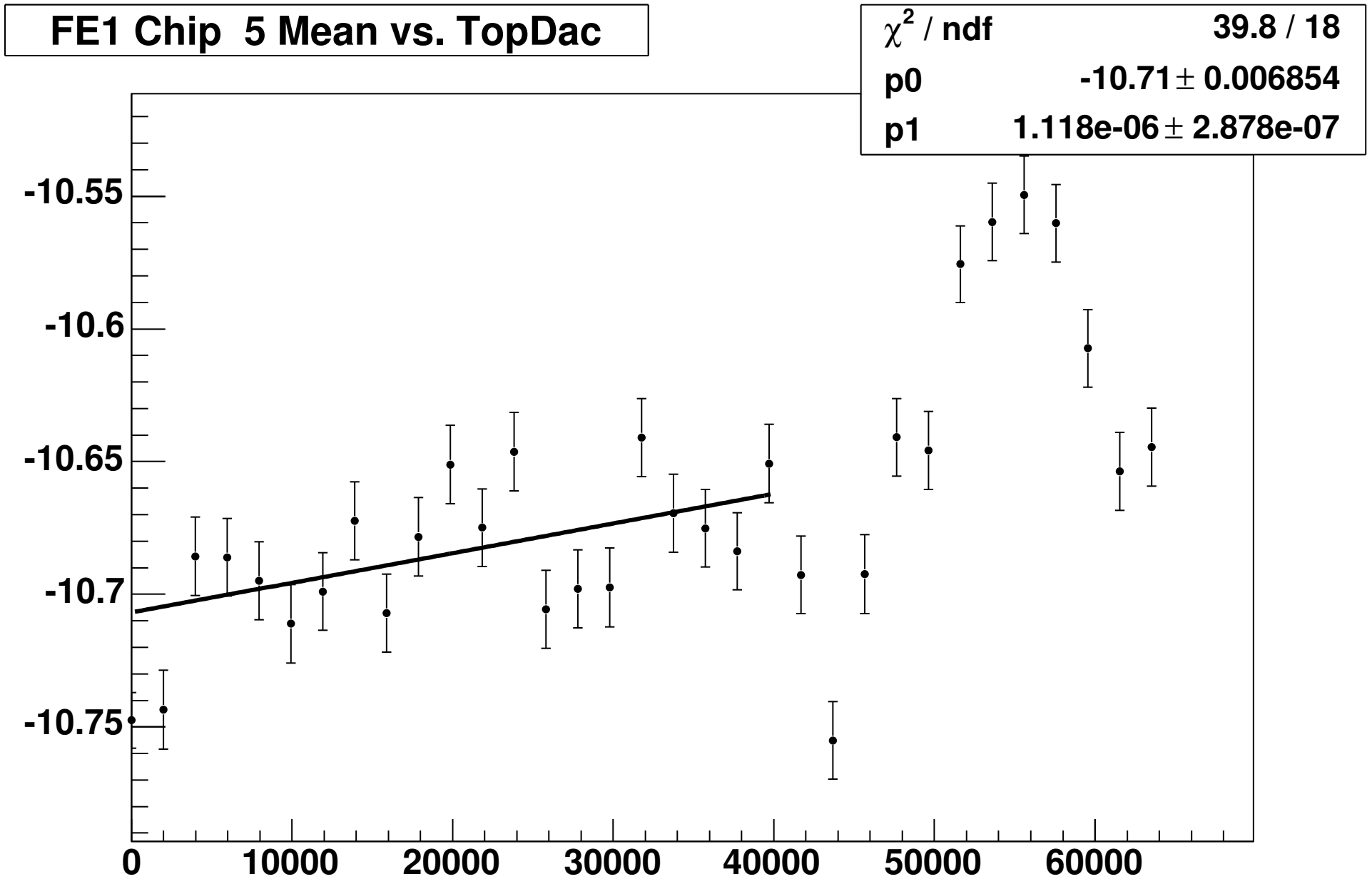
60000


FE1 Chip 5 Mean vs. BotDac
χ² / ndf 3.305e+04 / 18
p0 -13.41 ± 0.007238
p1 0.4509 ± 3.377e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 710.7 / 18
p0 1.326 ± 0.0039
p1 3.462e-05 ± 2.728e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 39.8 / 18
p0 -10.71 ± 0.006854
p1 1.118e-06 ± 2.878e-07
-10.55
-10.6
-10.65
-10.7
-10.75
0
10000
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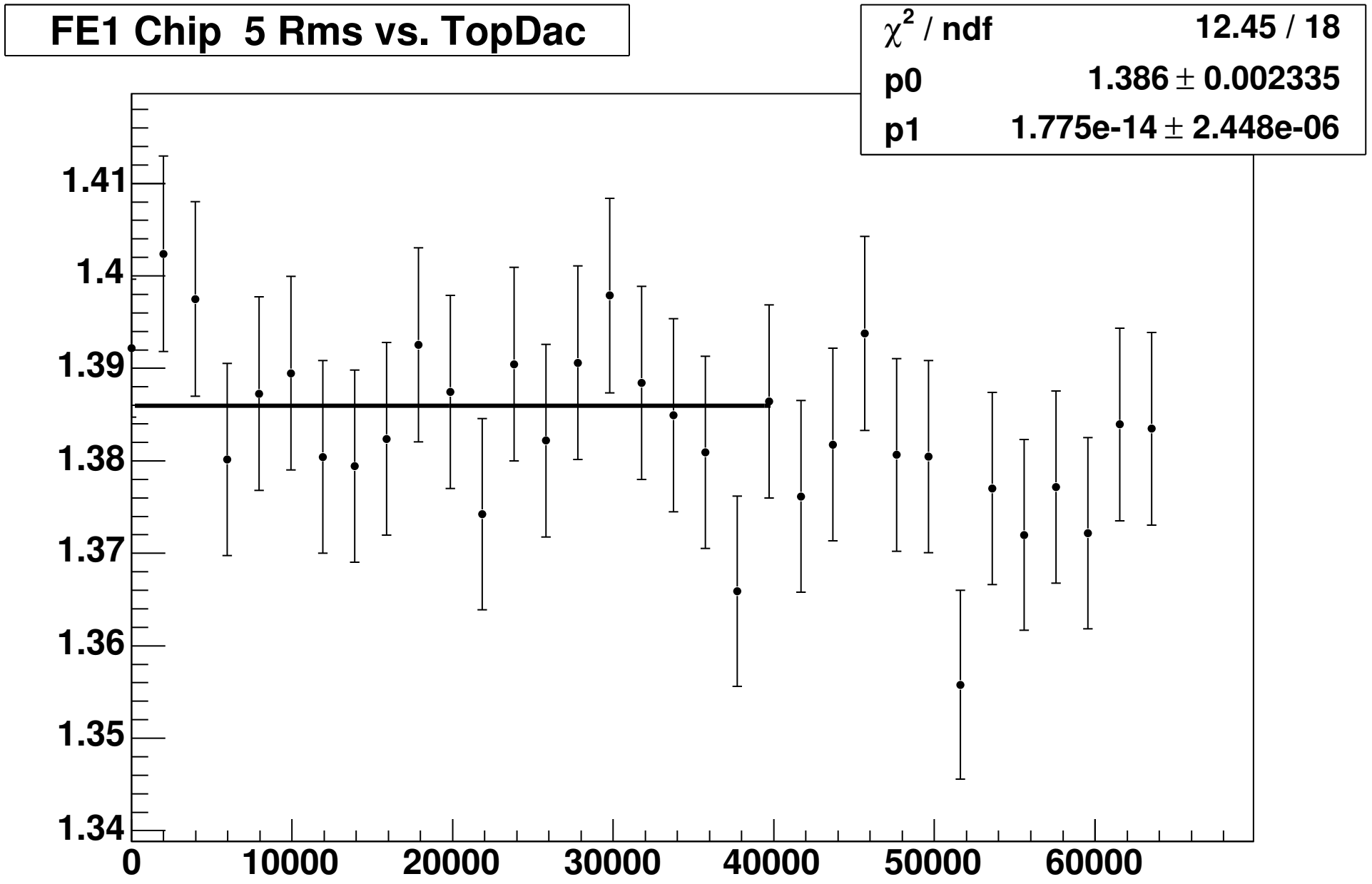
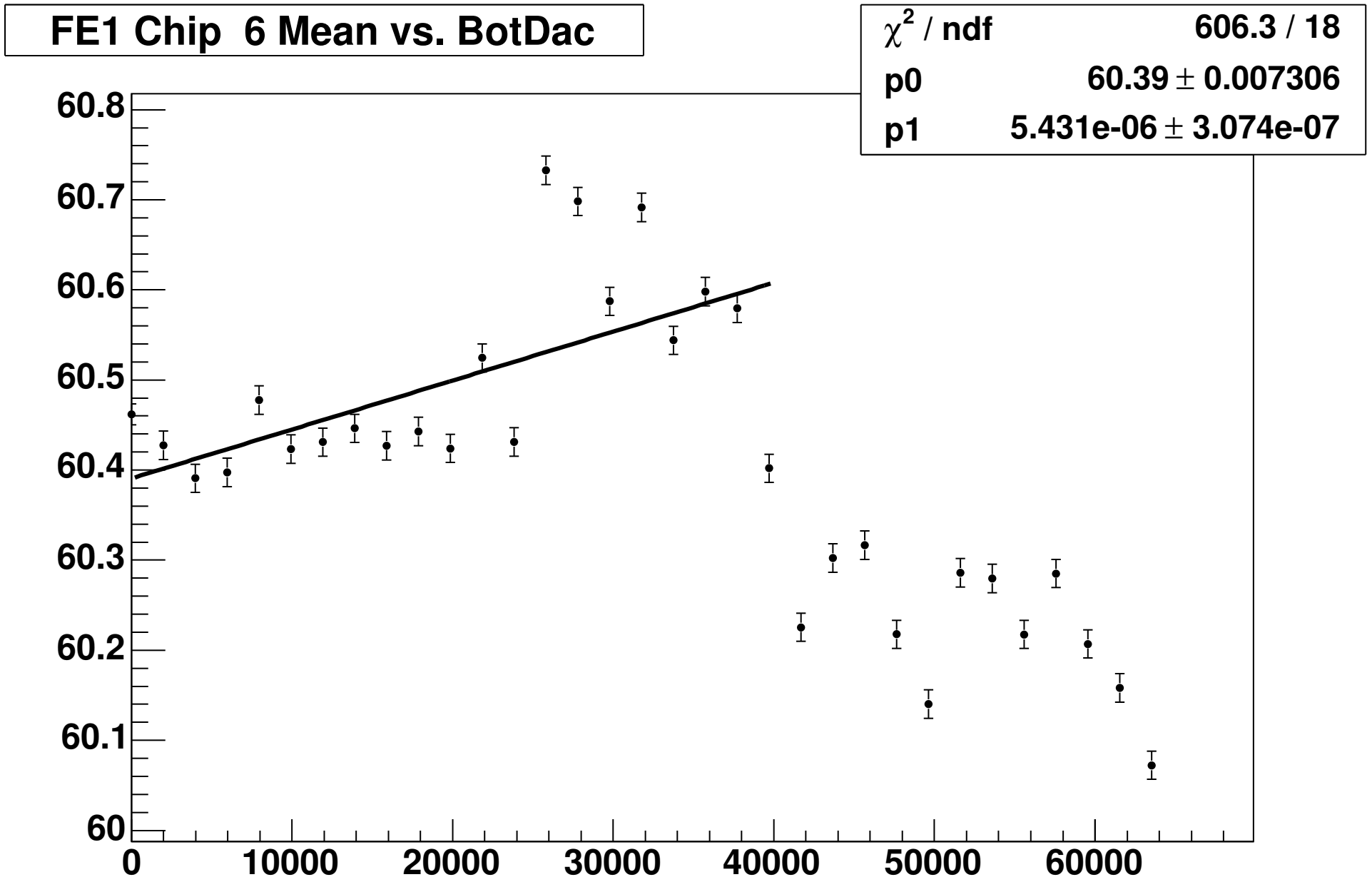
50000
60000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 12.45 / 18
p0 1.386 ± 0.002335
p1 1.775e-14 ± 2.448e-06
1.41
1.4
1.39
1.38
1.37
1.36
1.35
1.34
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 606.3 / 18
p0 60.39 ± 0.007306
p1 5.431e-06 ± 3.074e-07
60.8
60.7
60.6
60.5
60.4
60.3
60.2
60.1
60
0
10000
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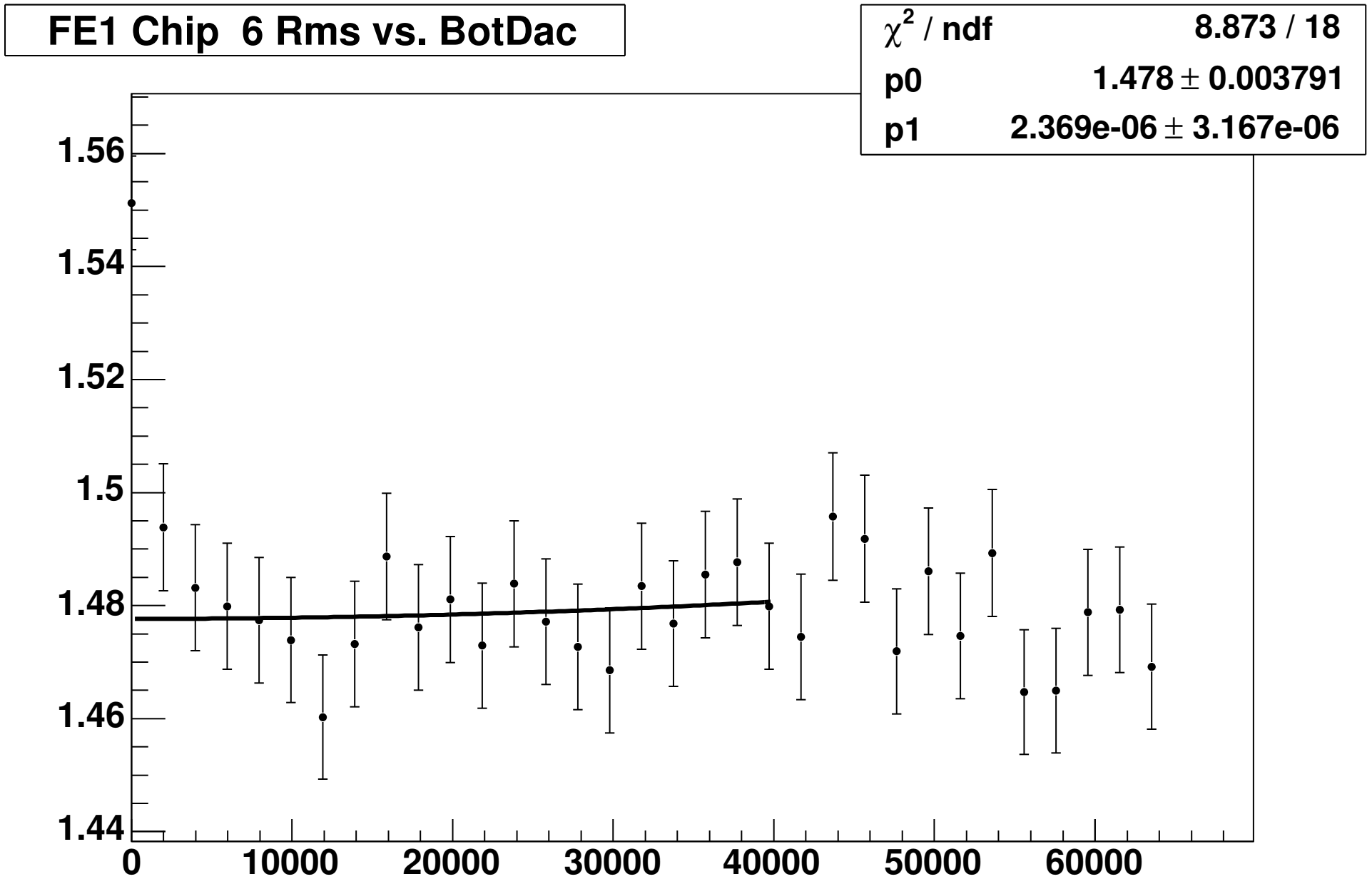
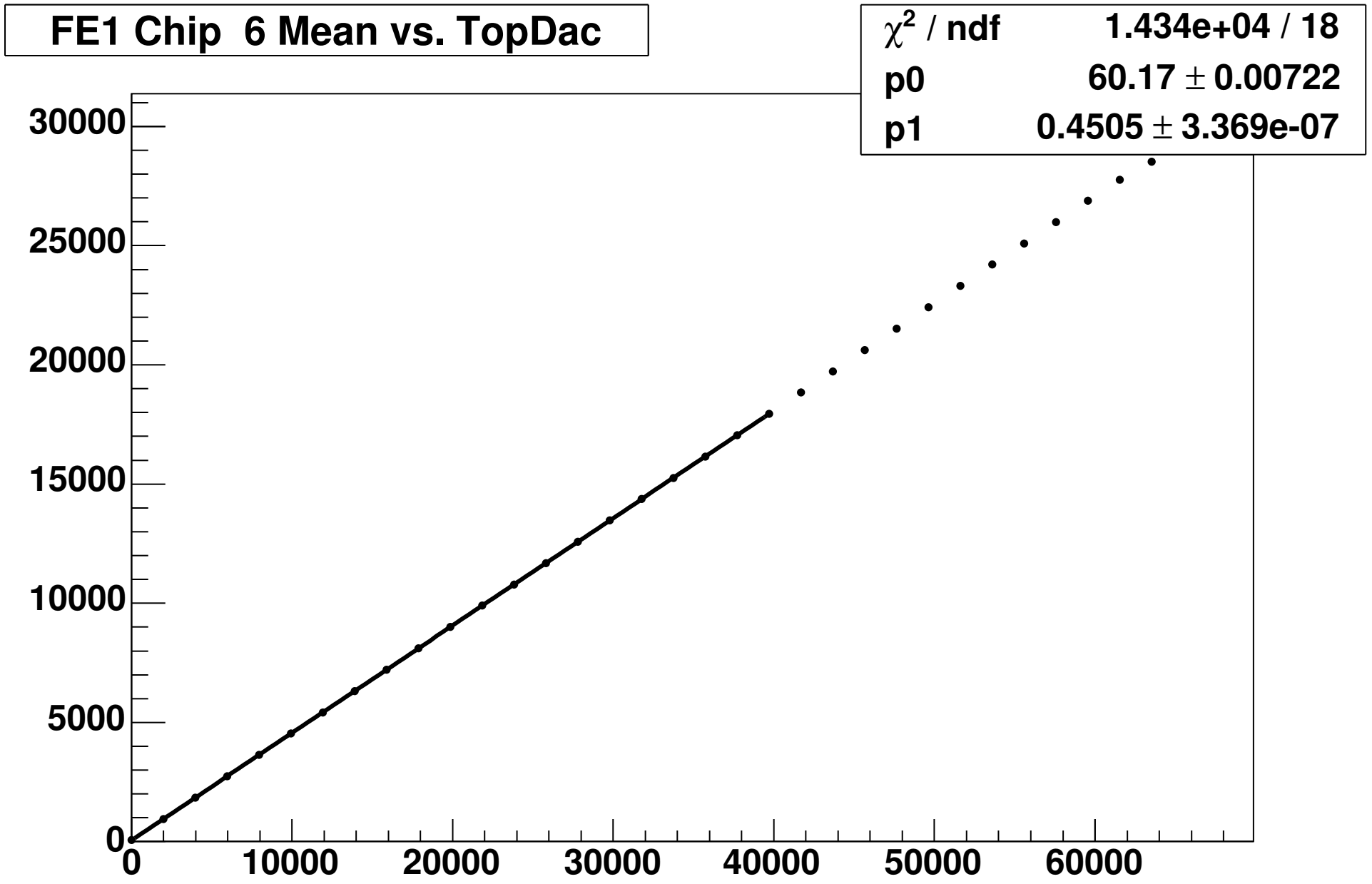
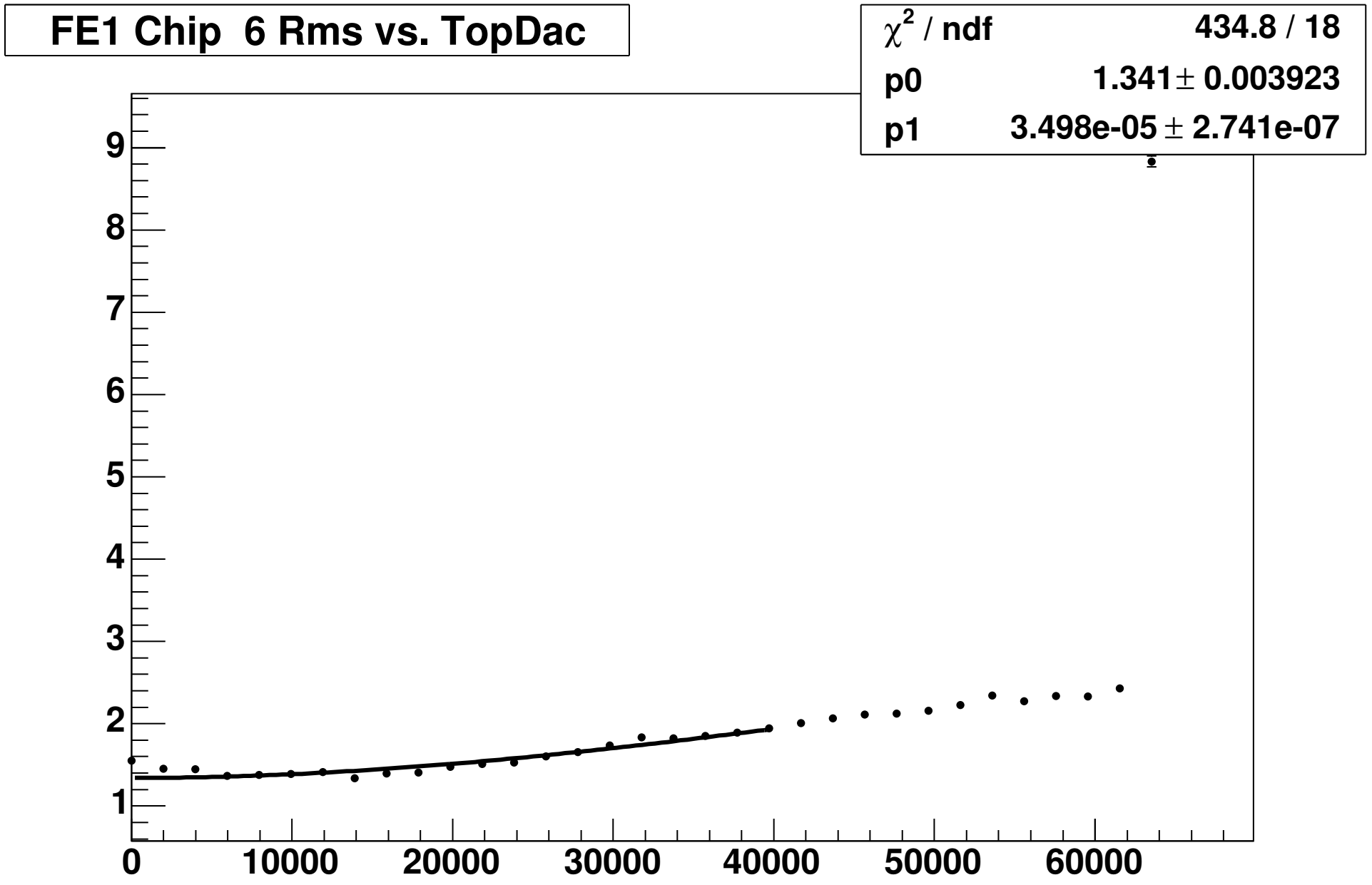
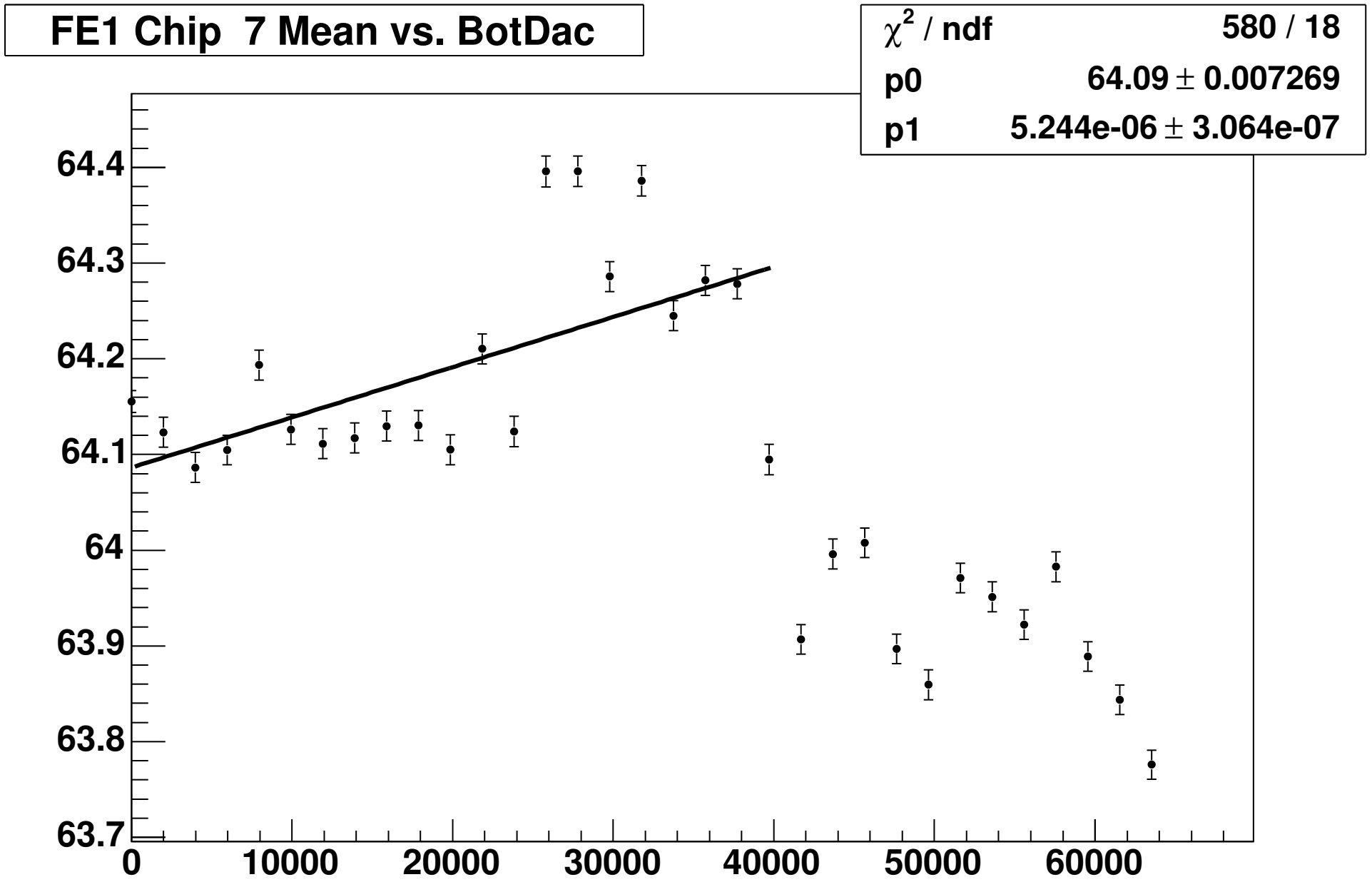
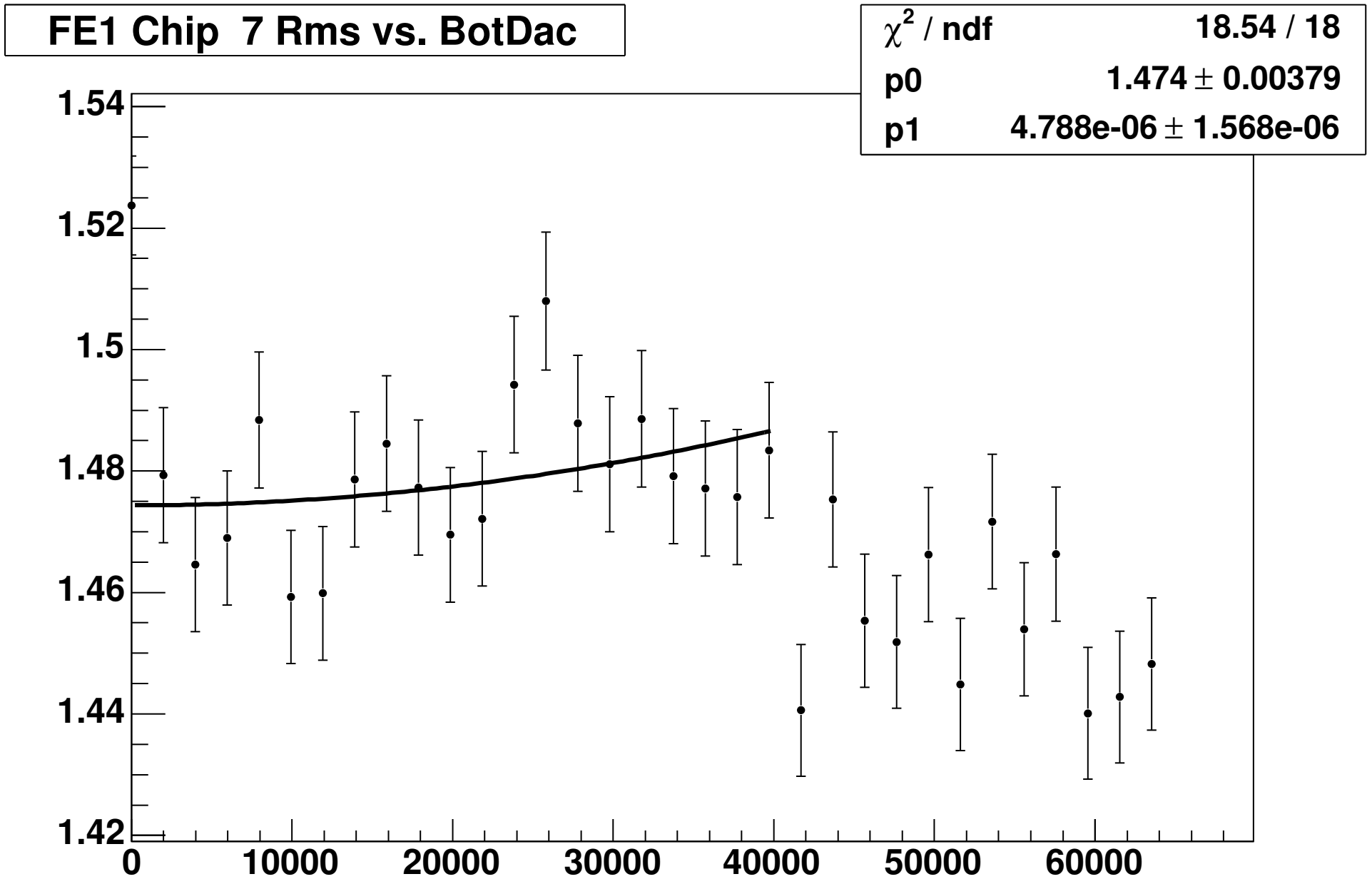
30000
40000
50000
60000

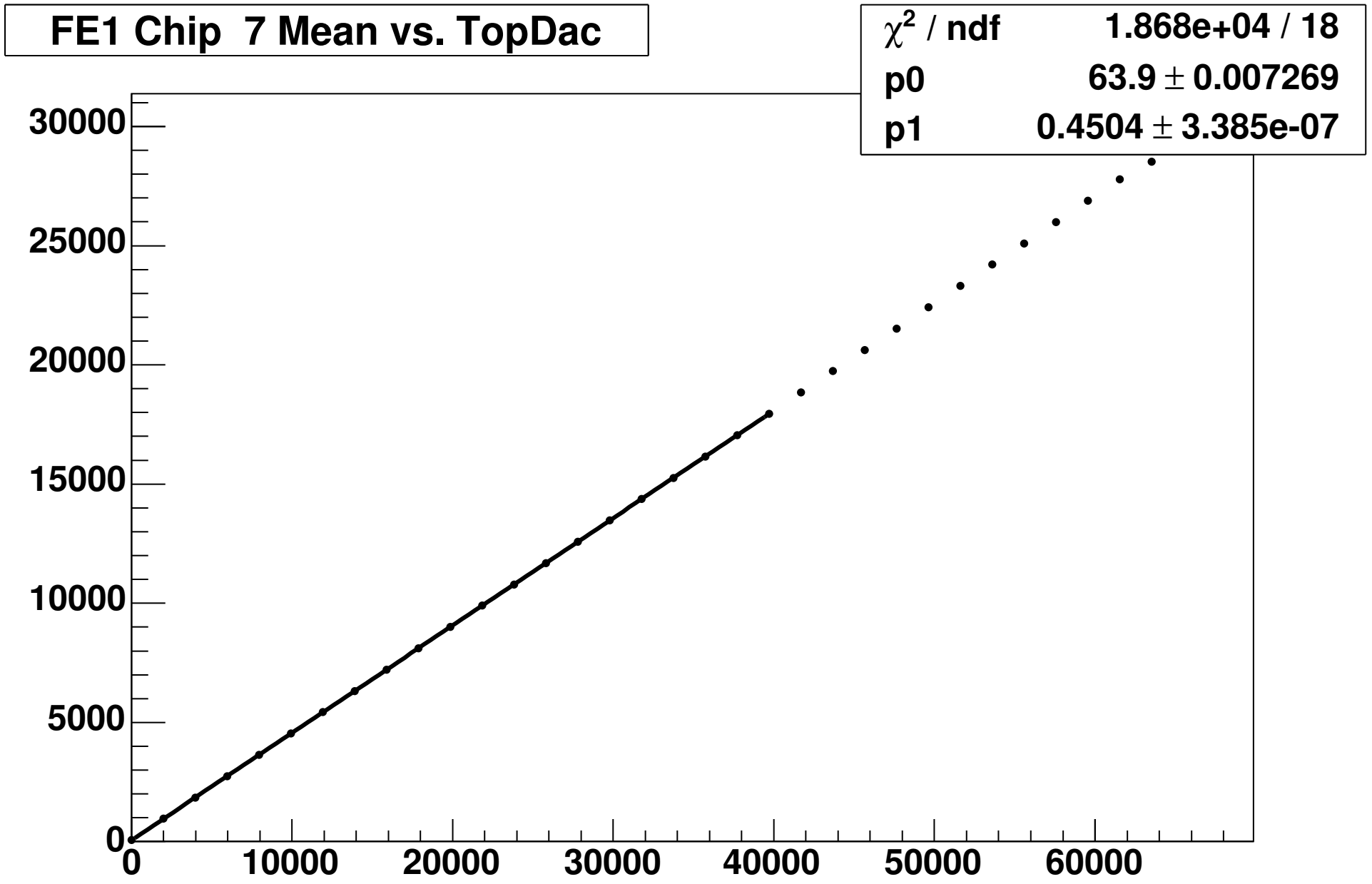

FE1 Chip 6 Rms vs. BotDac
χ² / ndf 8.873 / 18
p0 1.478 ± 0.003791
p1 2.369e-06 ± 3.167e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

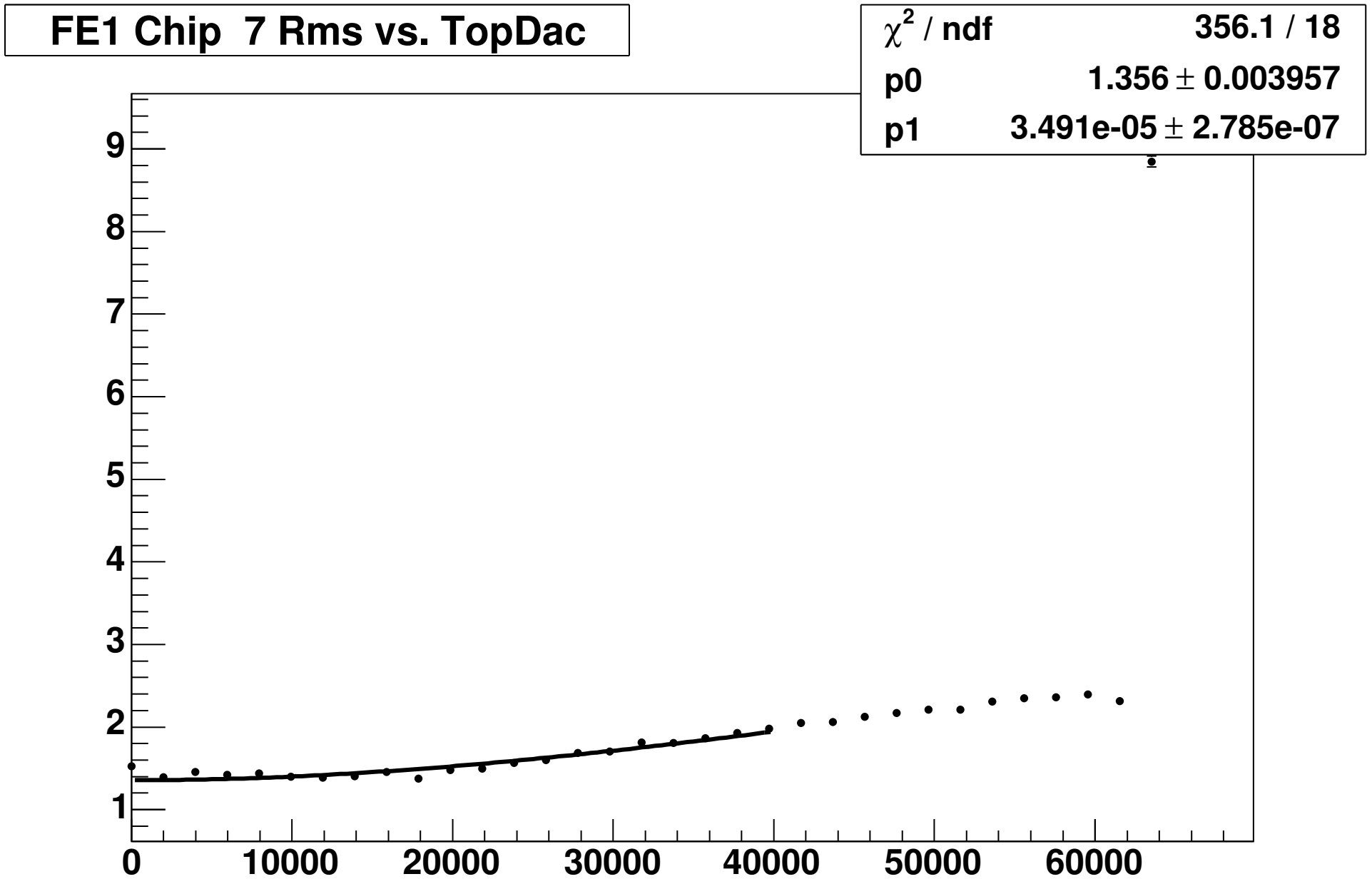

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.434e+04 / 18
p0 60.17 ± 0.00722
p1 0.4505 ± 3.369e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

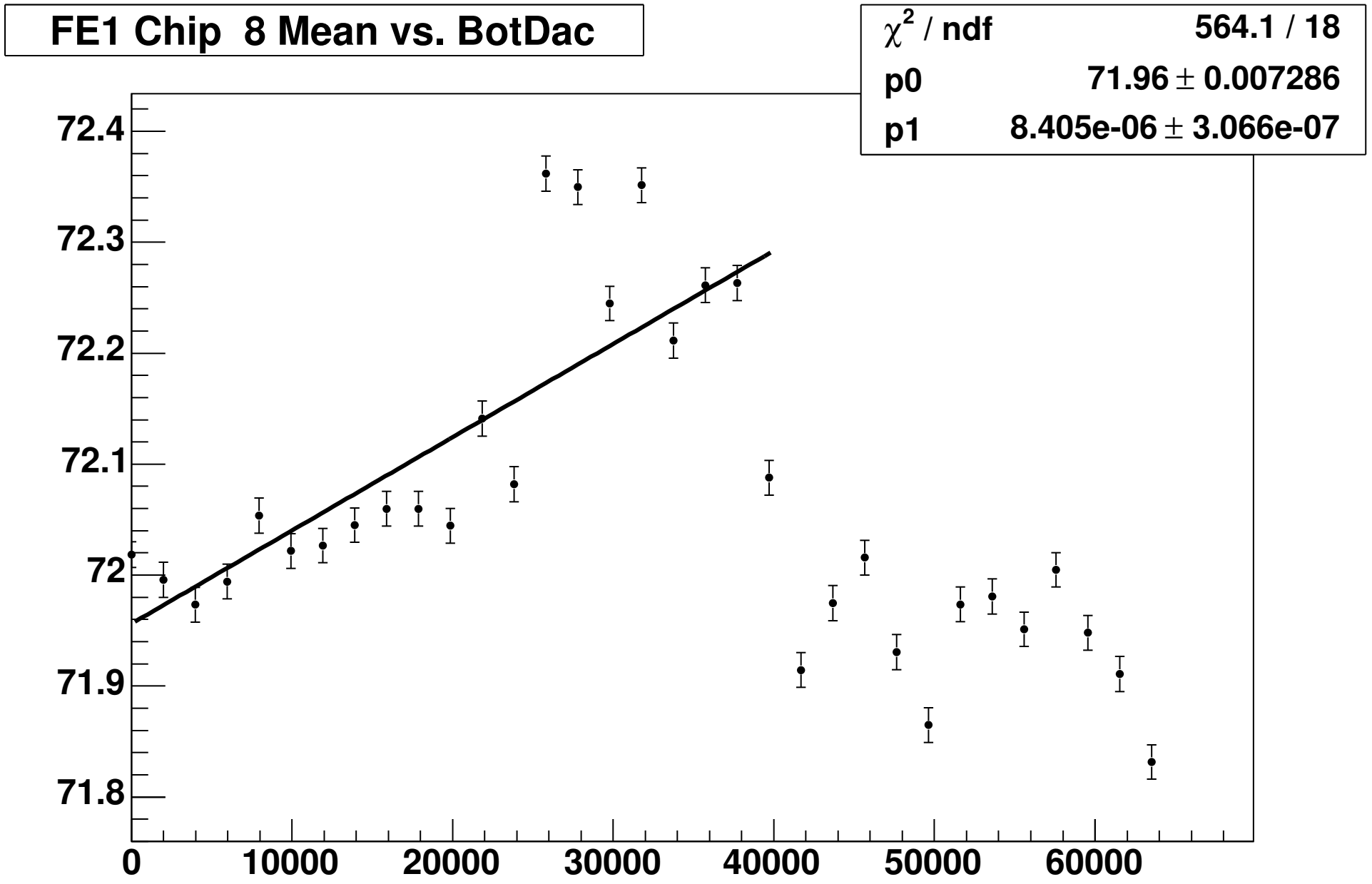

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 434.8 / 18
p0 1.341 ± 0.003923
p1 3.498e-05 ± 2.741e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

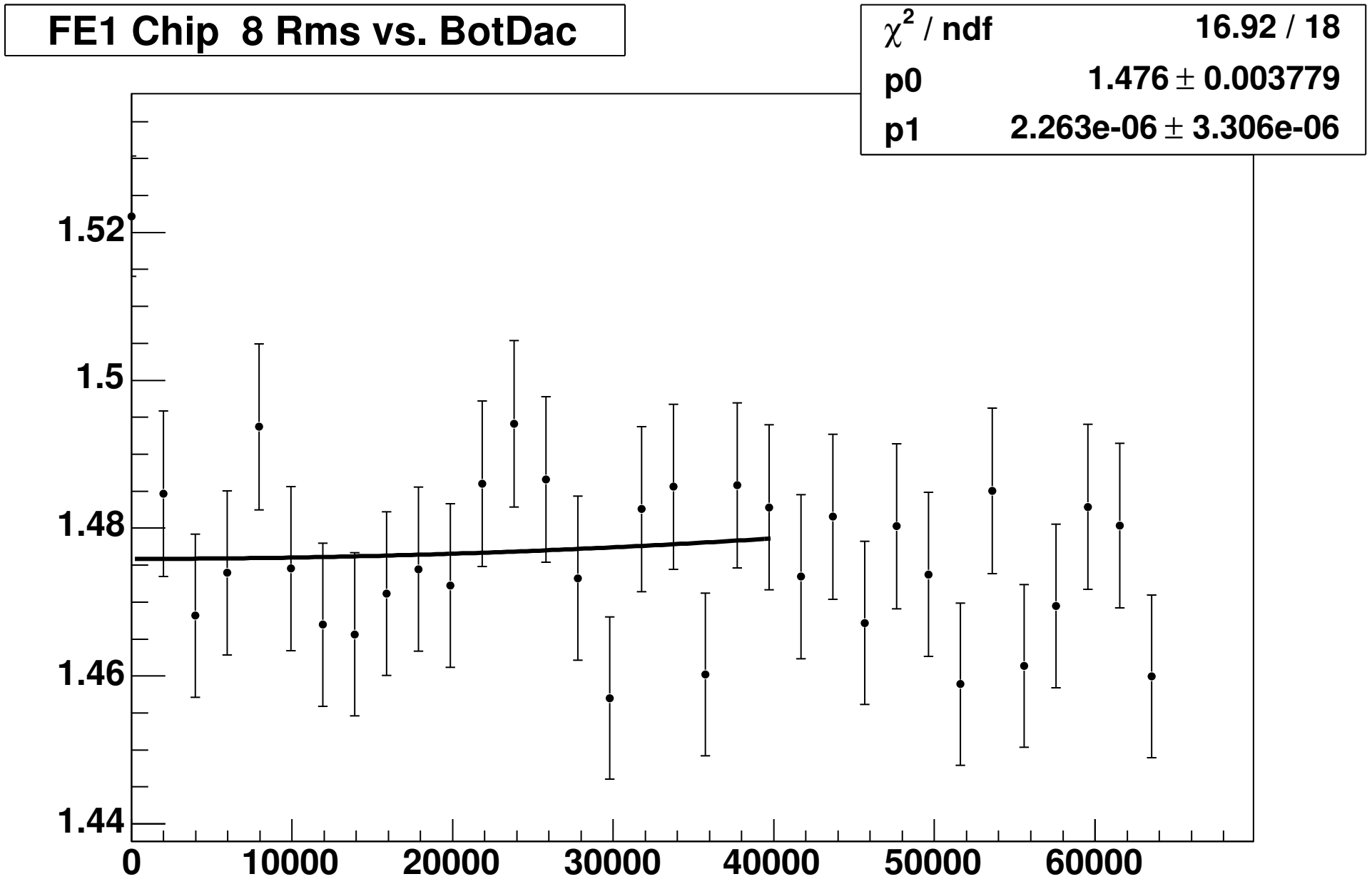

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 580 / 18
p0 64.09 ± 0.007269
p1 5.244e-06 ± 3.064e-07
64.4
64.3
64.2
64.1
64
63.9
63.8
63.7
0
10000
20000
30000
40000
50000
60000

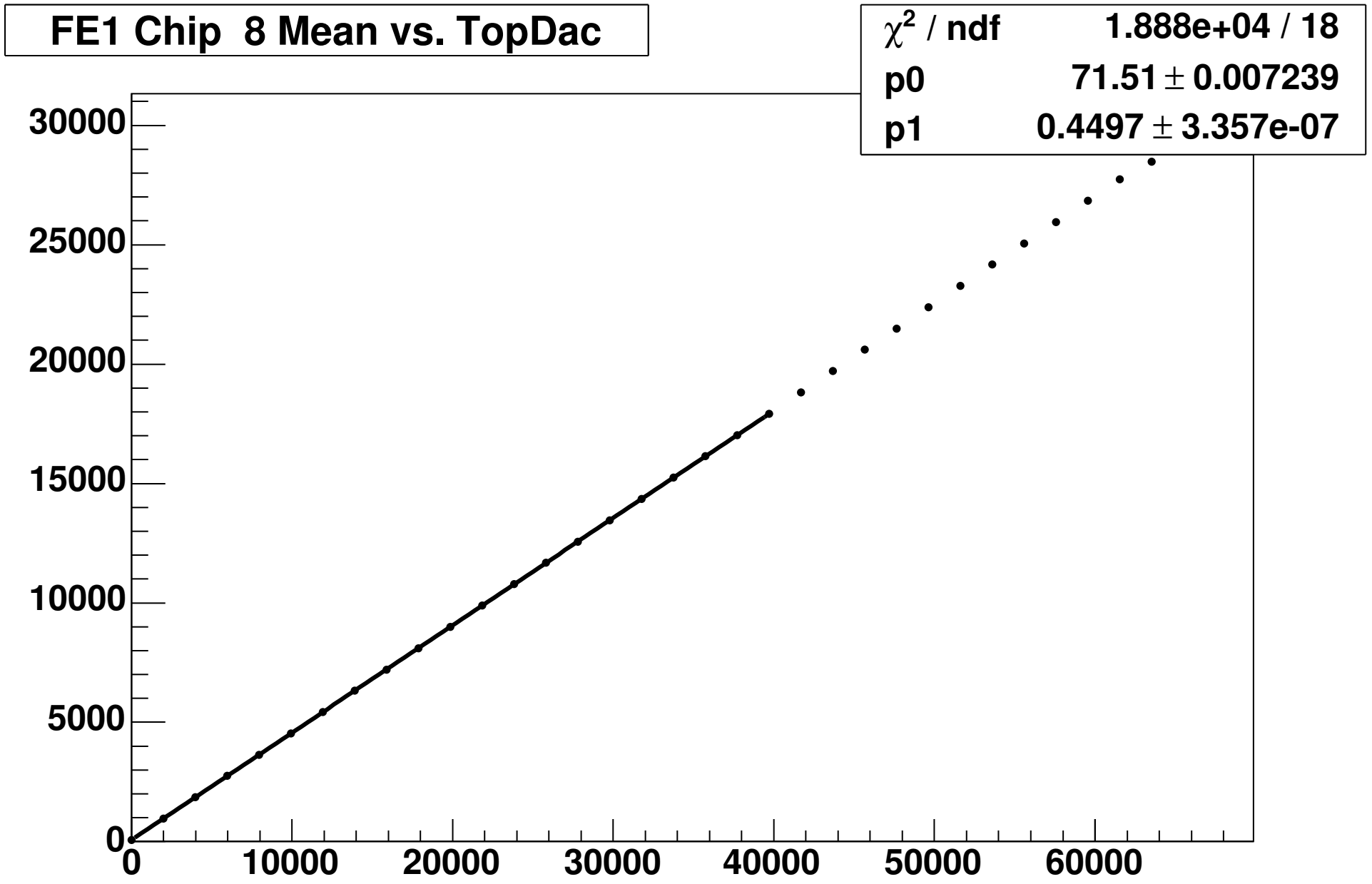

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 18.54 / 18
p0 1.474 ± 0.00379
p1 4.788e-06 ± 1.568e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

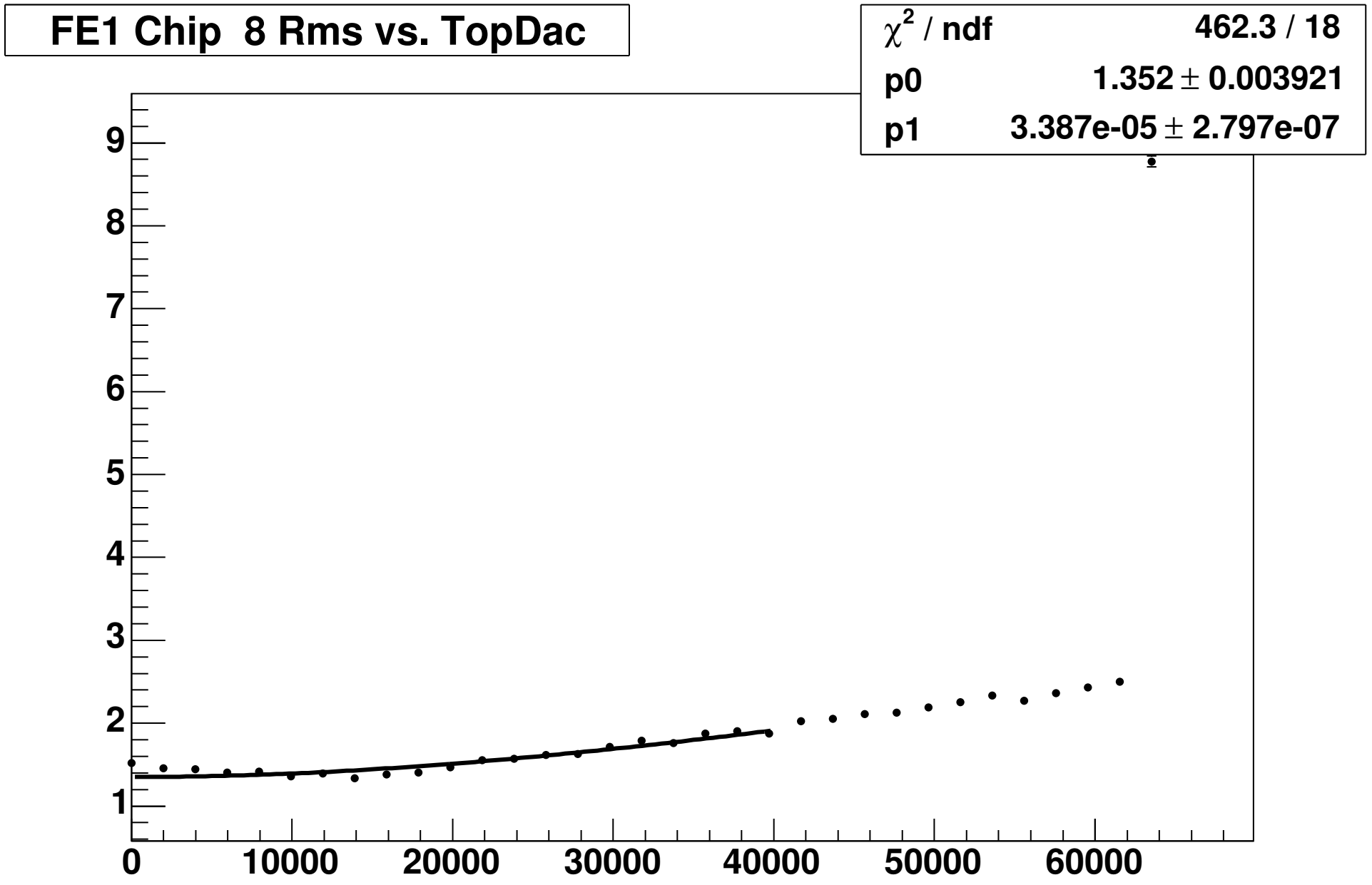

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.868e+04 / 18
p0 63.9 ± 0.007269
p1 0.4504 ± 3.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

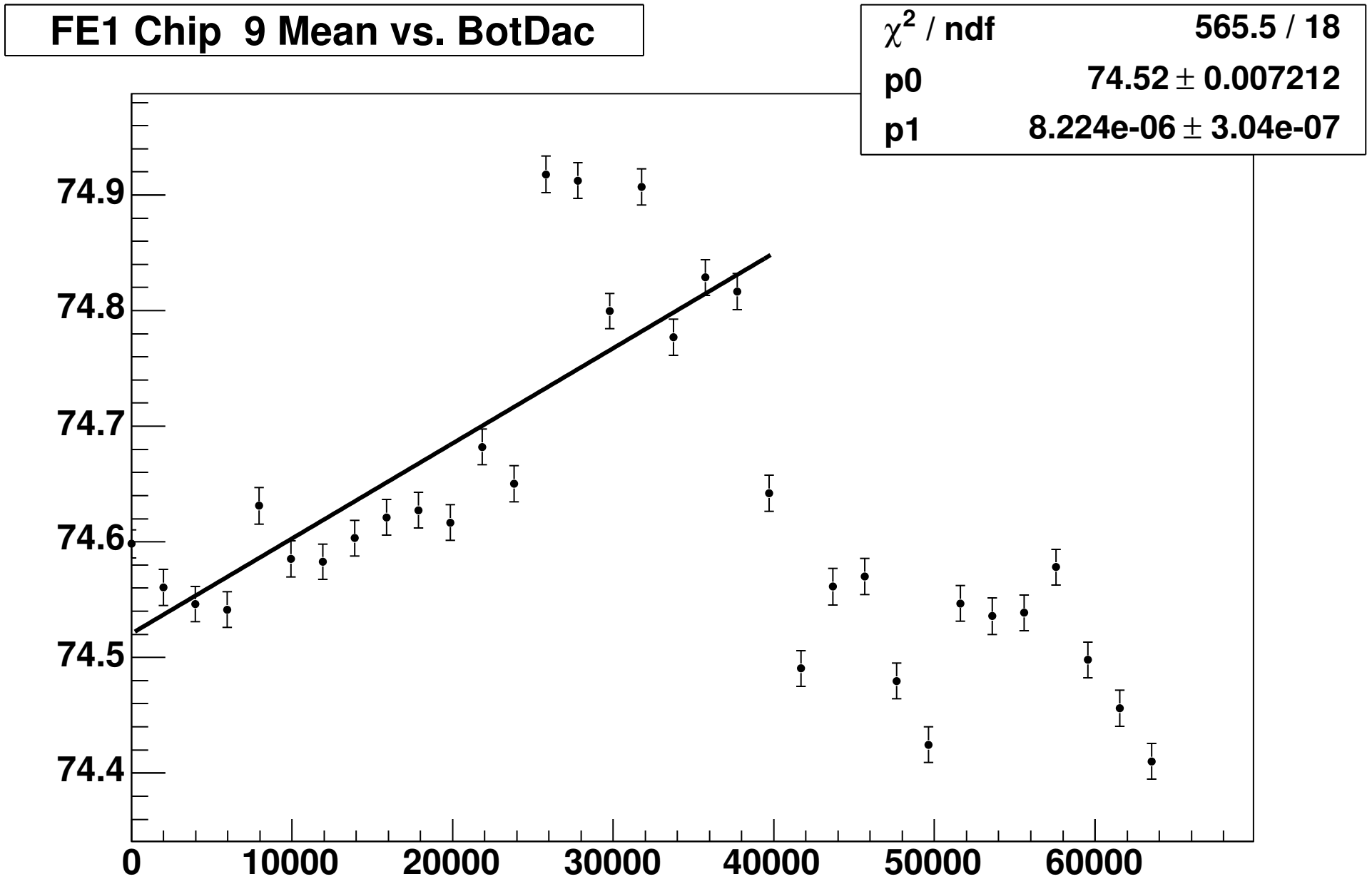

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 356.1 / 18
p0 1.356 ± 0.003957
p1 3.491e-05 ± 2.785e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

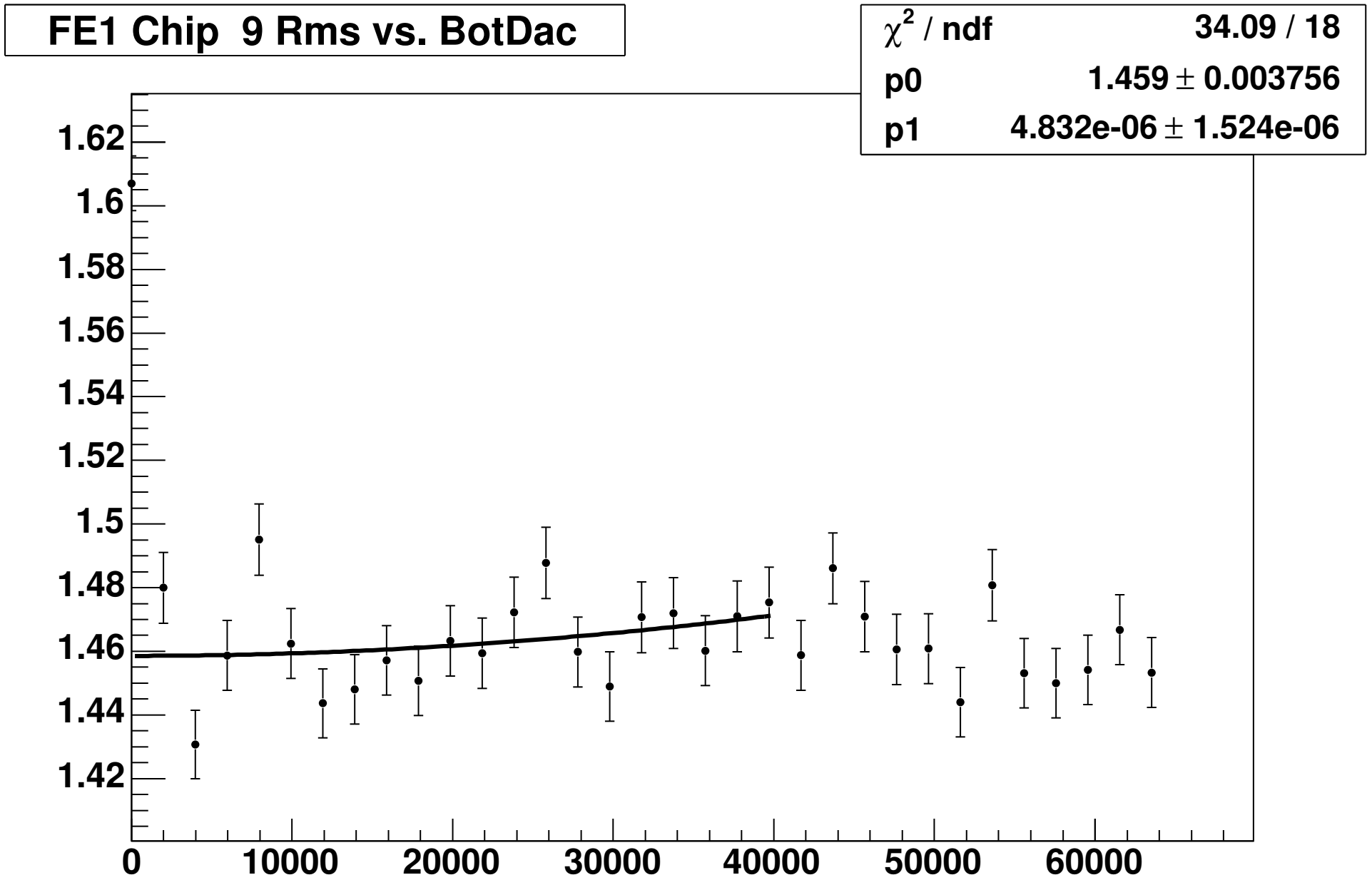

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 564.1 / 18
p0 71.96 ± 0.007286
p1 8.405e-06 ± 3.066e-07
72.4
72.3
72.2
72.1
72
71.9
71.8
0
10000
20000
30000
40000
50000
60000

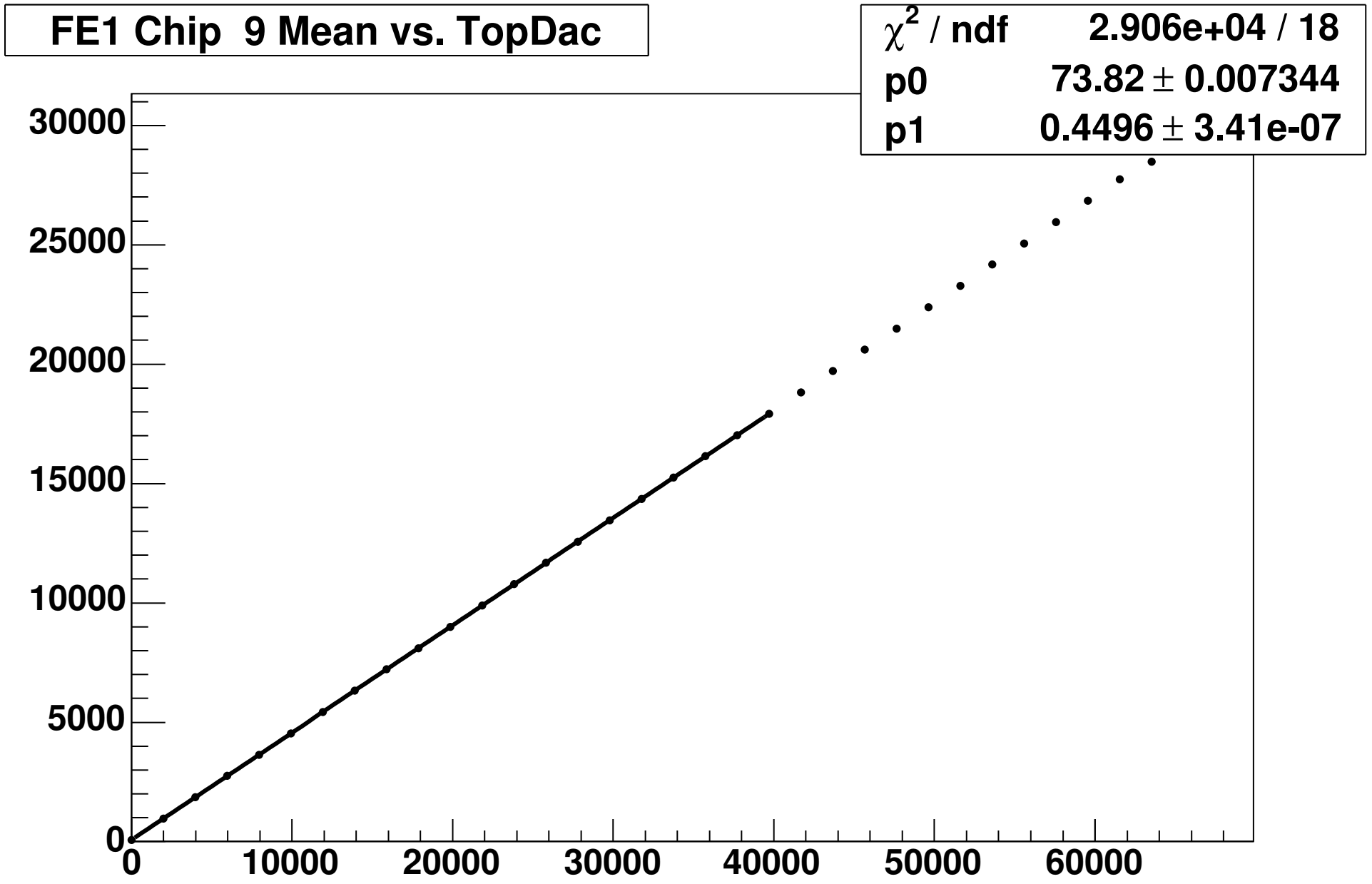

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 16.92 / 18
p0 1.476 ± 0.003779
p1 2.263e-06 ± 3.306e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

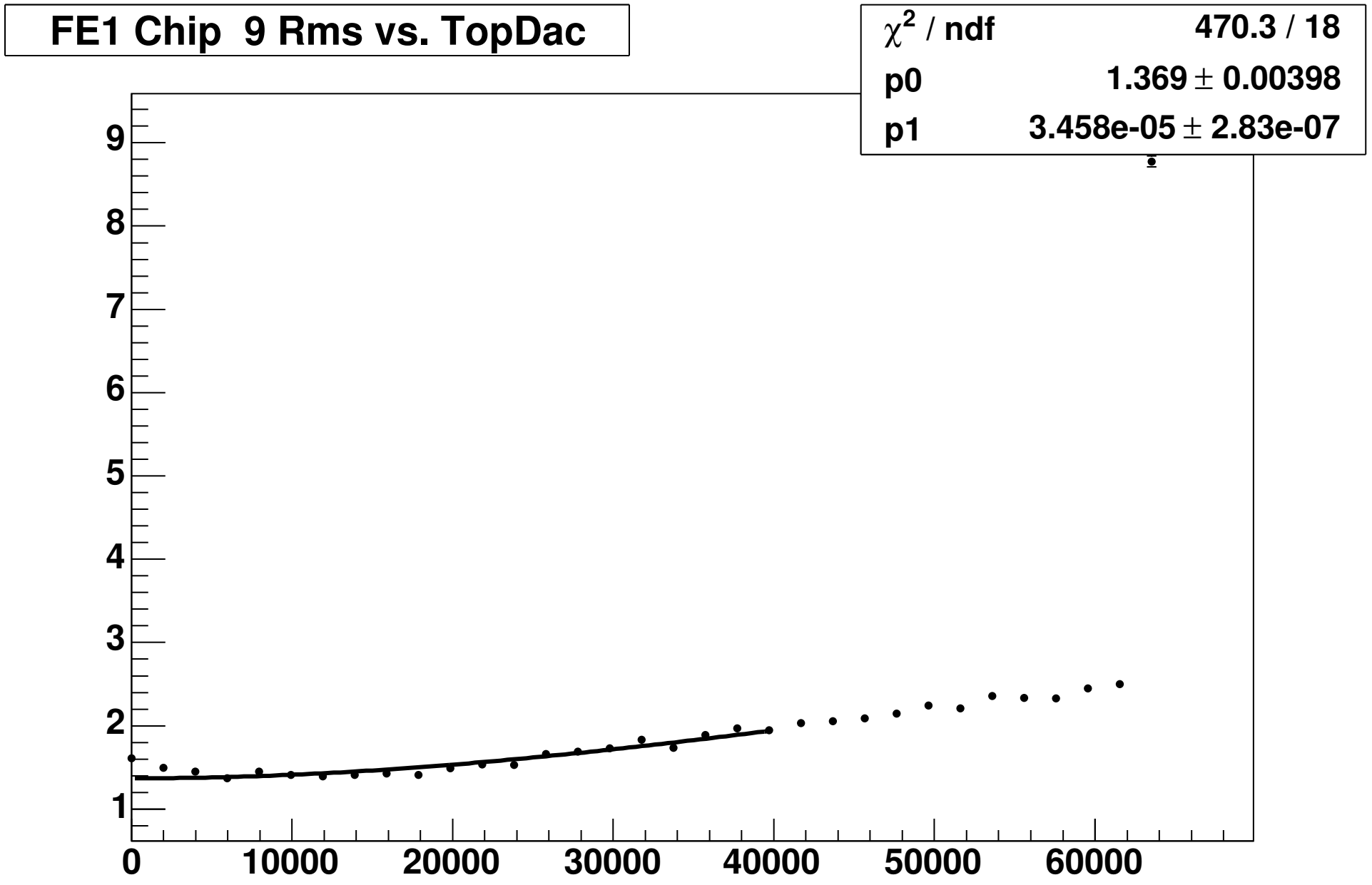

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.888e+04 / 18
p0 71.51 ± 0.007239
p1 0.4497 ± 3.357e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 462.3 / 18
p0 1.352 ± 0.003921
p1 3.387e-05 ± 2.797e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 565.5 / 18
p0 74.52 ± 0.007212
p1 8.224e-06 ± 3.04e-07
74.9
74.8
74.7
74.6
74.5
74.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 34.09 / 18
p0 1.459 ± 0.003756
p1 4.832e-06 ± 1.524e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 2.906e+04 / 18
p0 73.82 ± 0.007344
p1 0.4496 ± 3.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 470.3 / 18
p0 1.369 ± 0.00398
p1 3.458e-05 ± 2.83e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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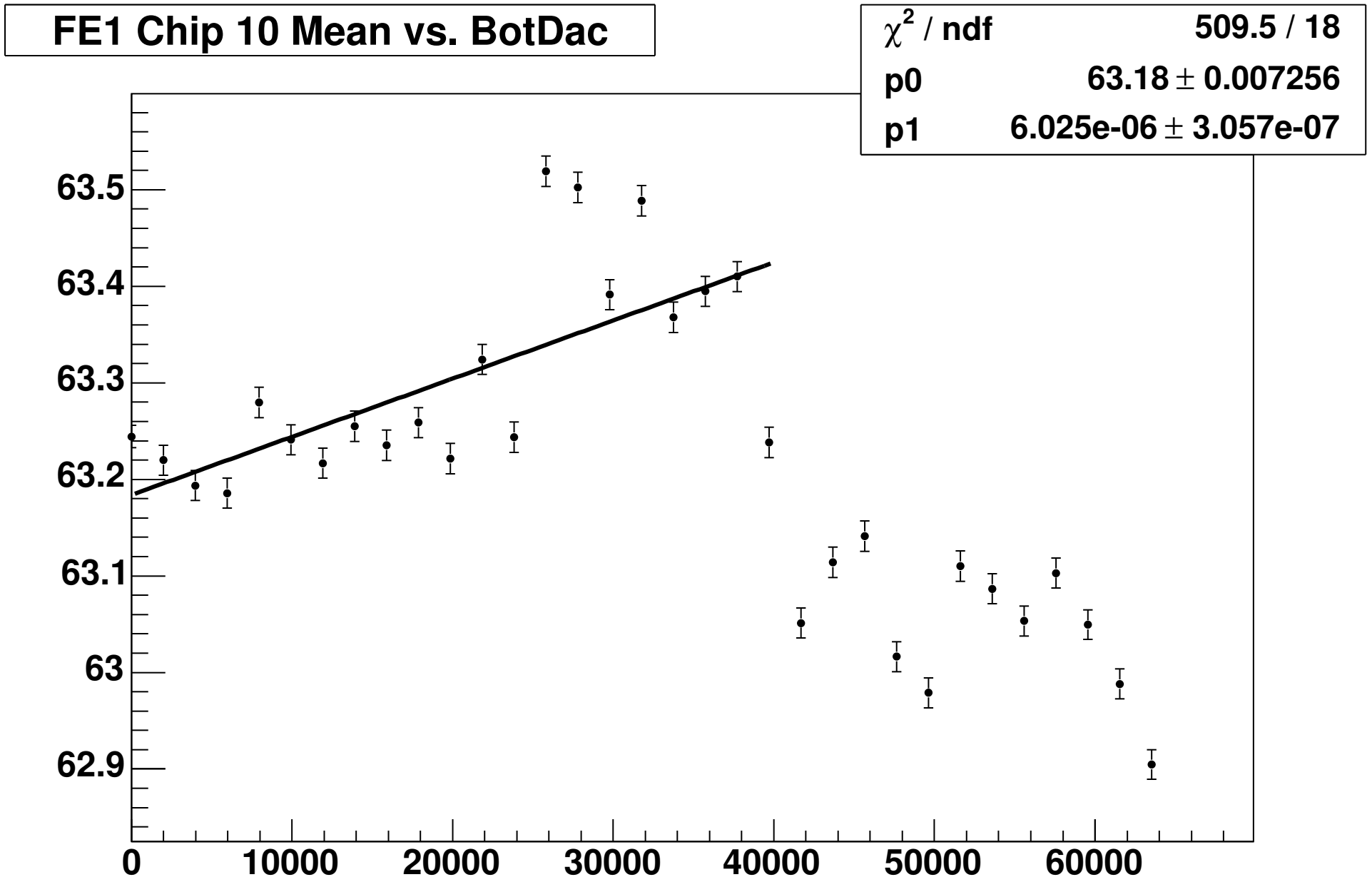
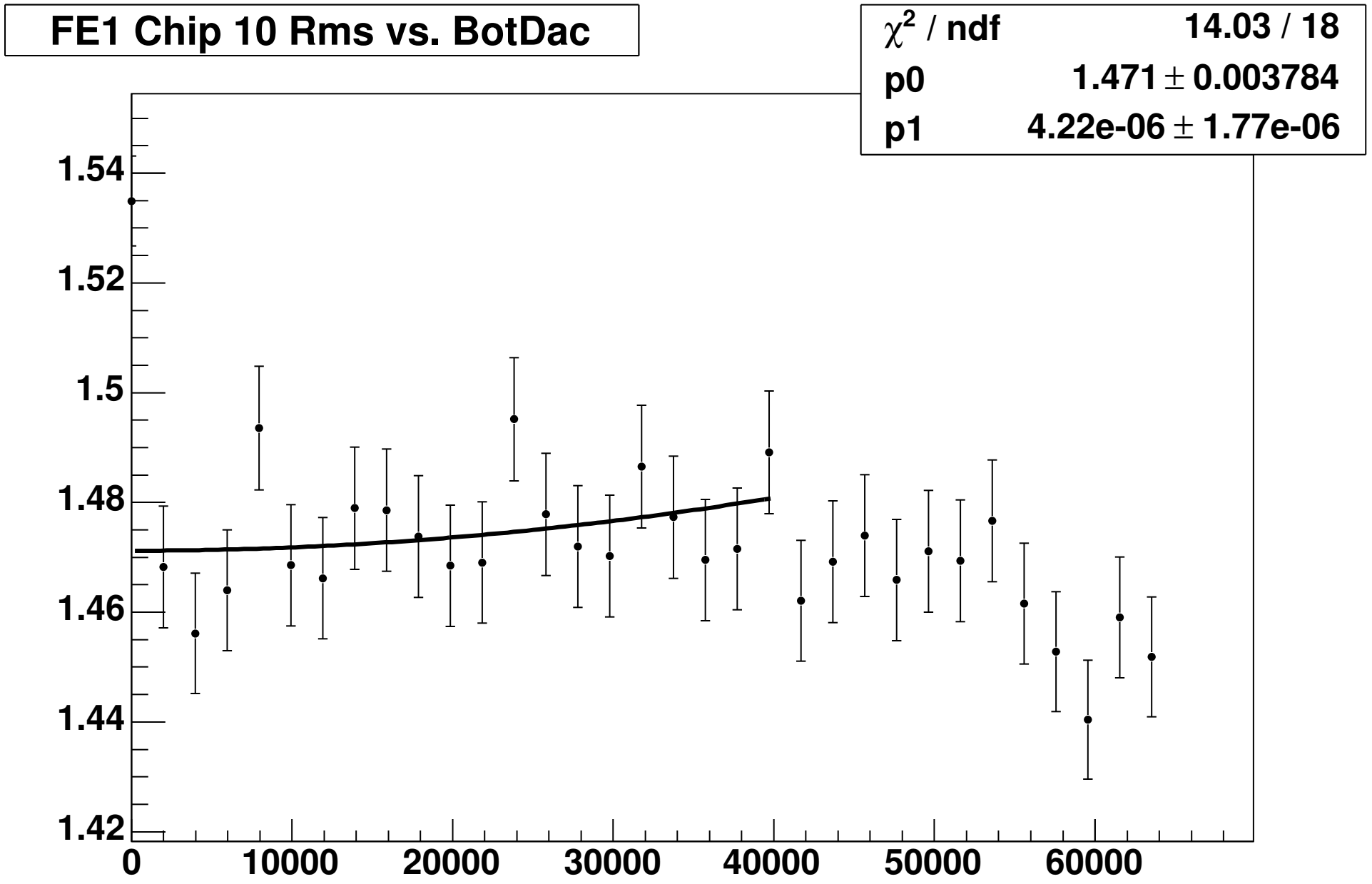
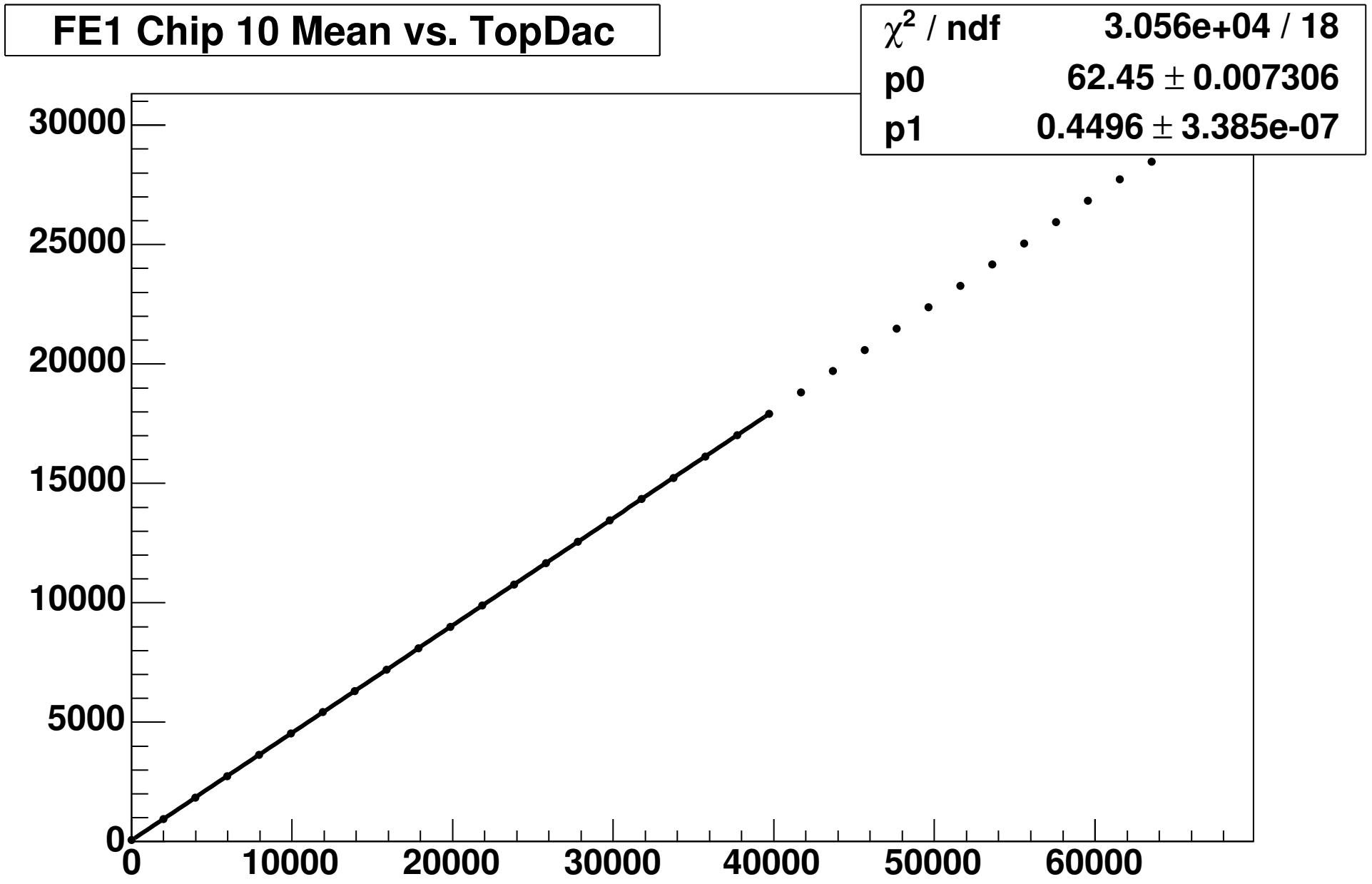
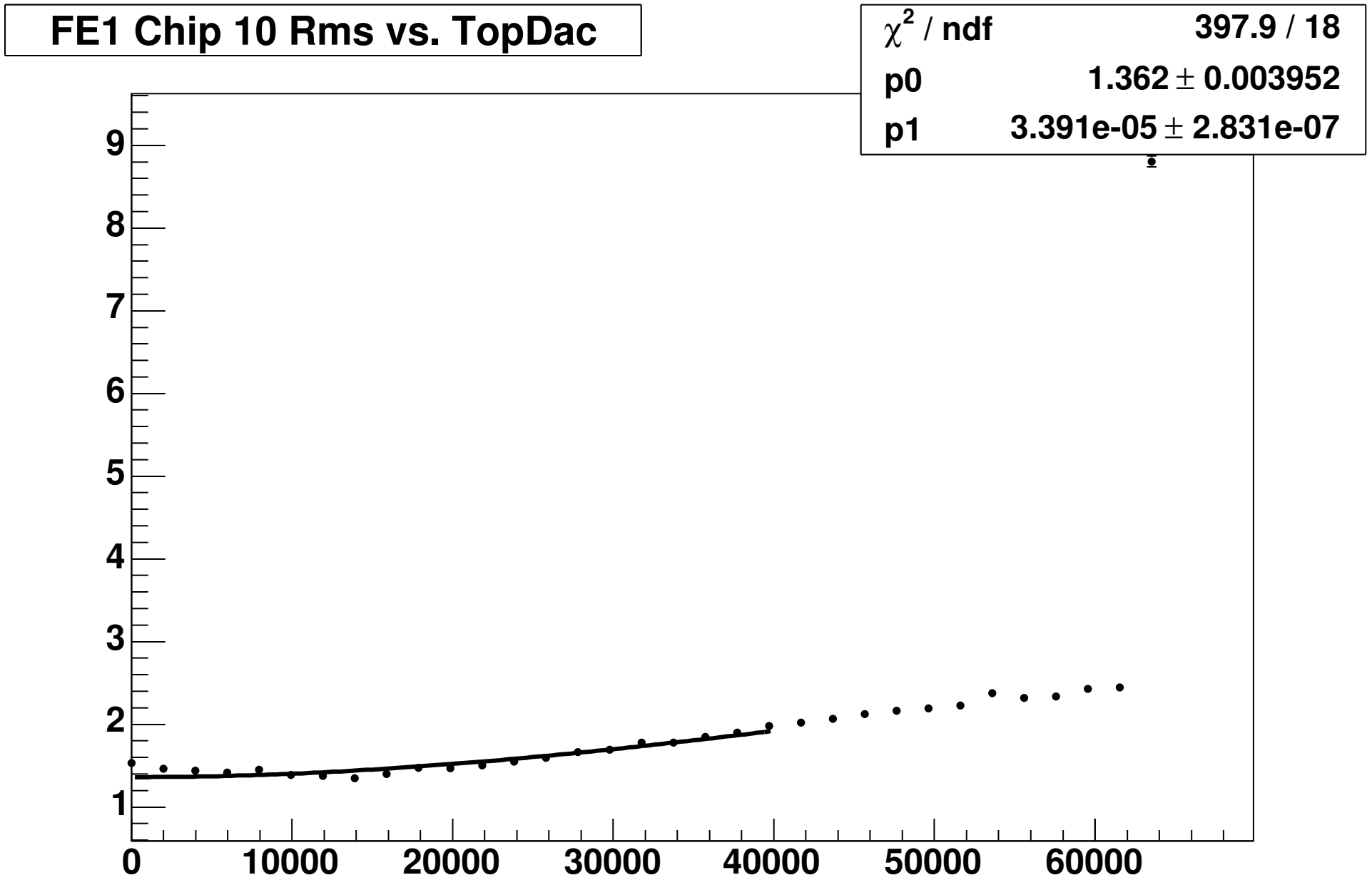
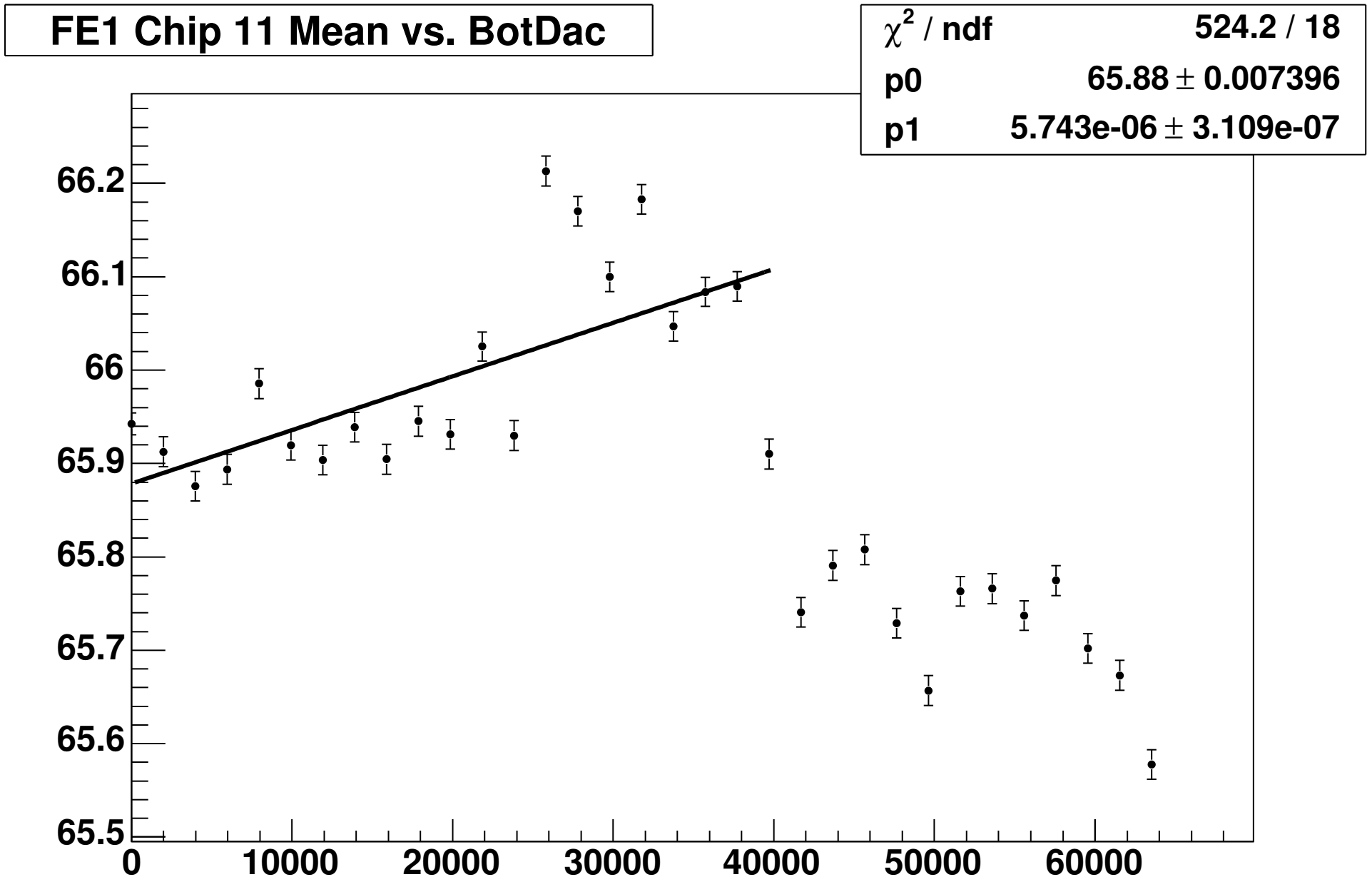
60000

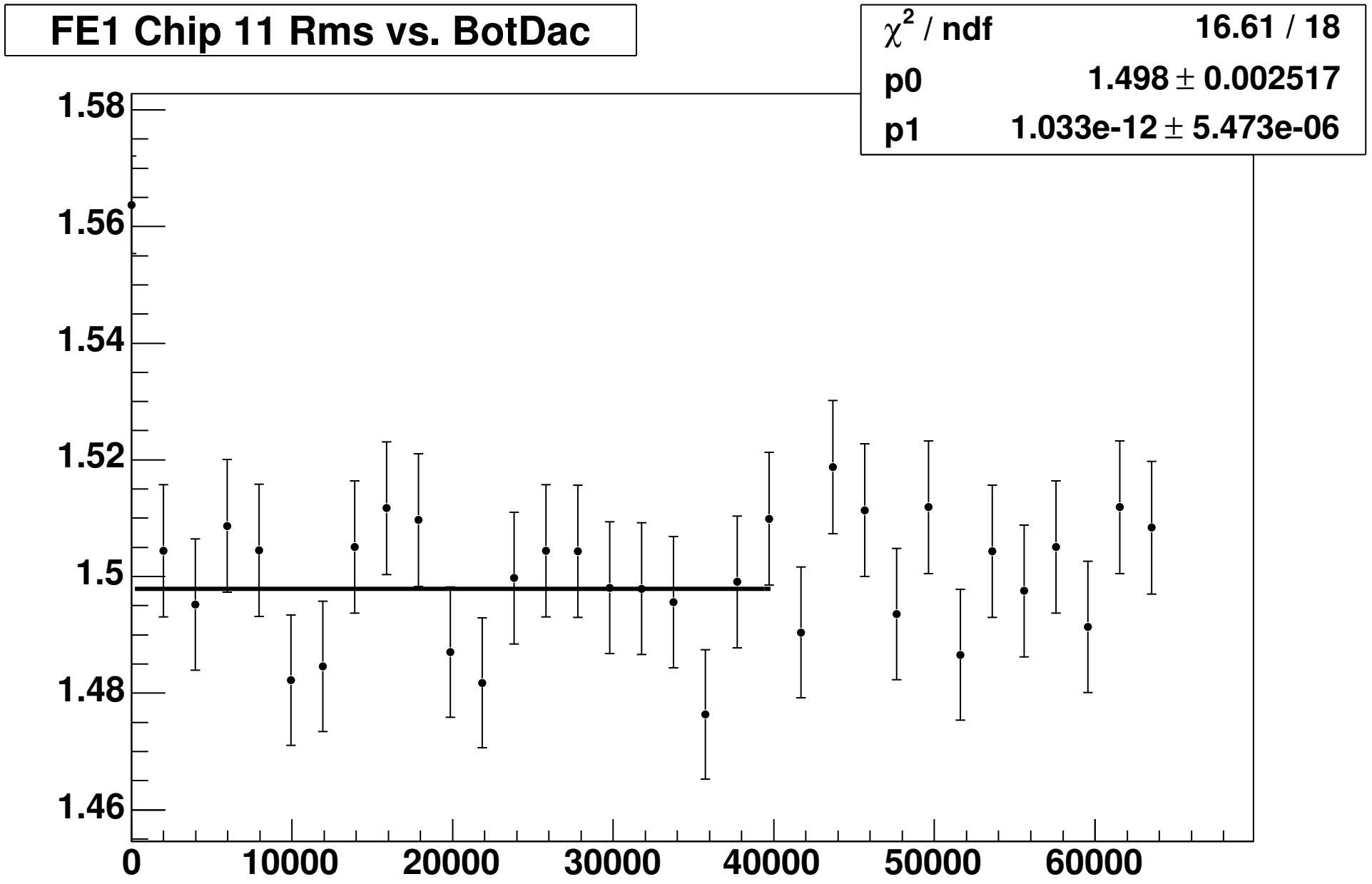

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 509.5 / 18
p0 63.18 ± 0.007256
p1 6.025e-06 ± 3.057e-07
63.5
63.4
63.3
63.2
63.1
63
62.9
0
10000
20000
30000
40000
50000
60000

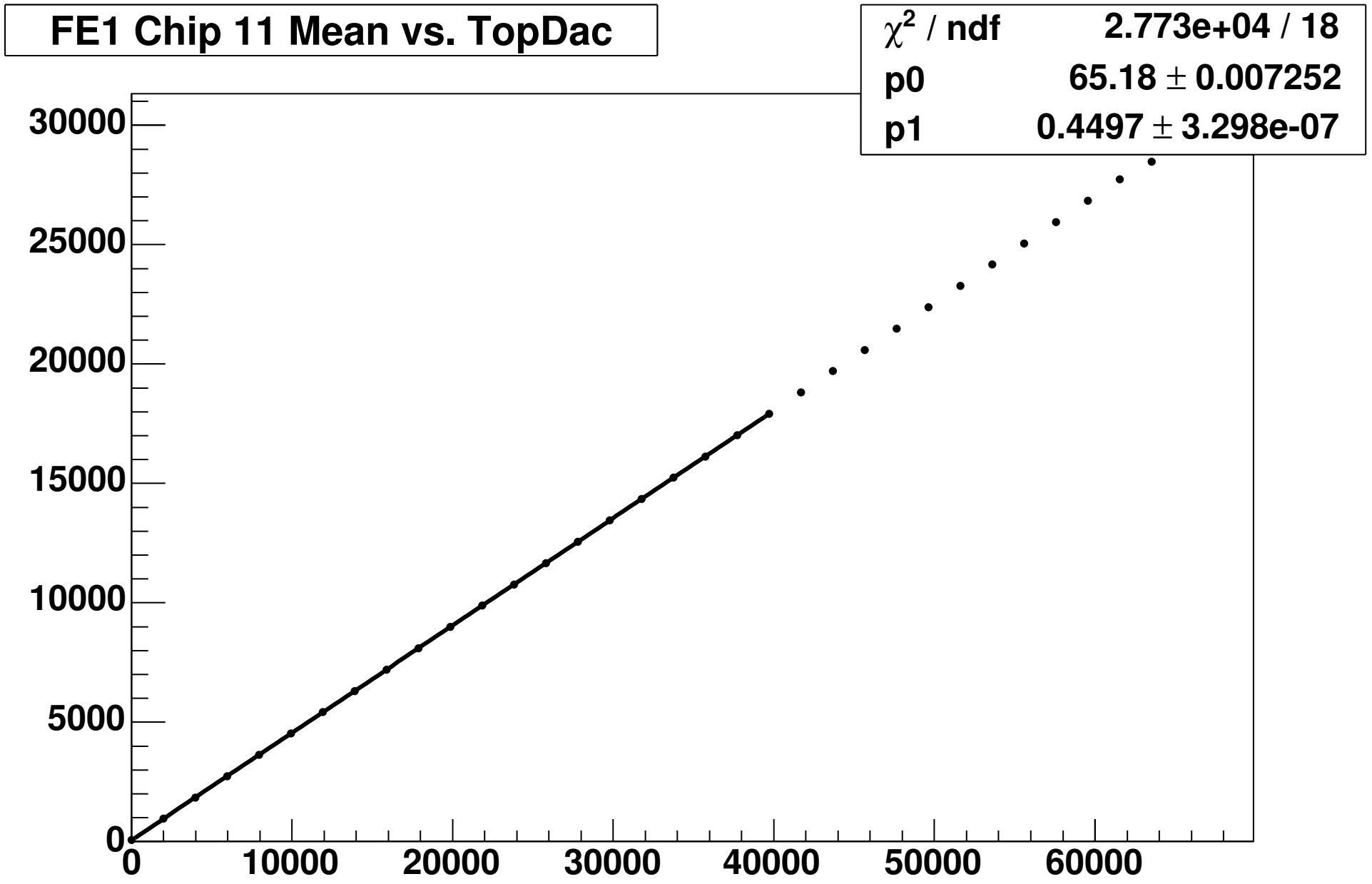

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 14.03 / 18
p0 1.471 ± 0.003784
p1 4.22e-06 ± 1.77e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

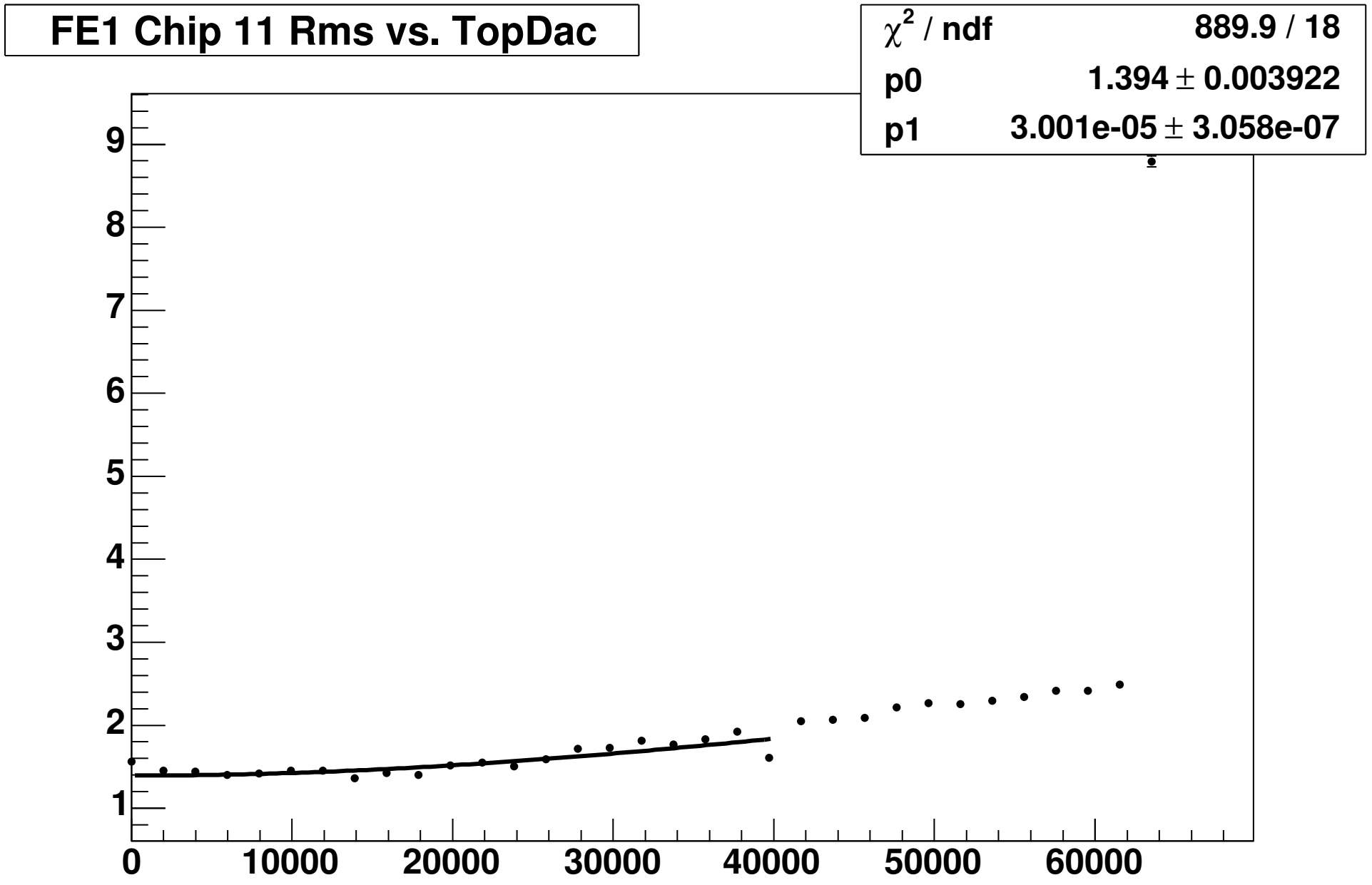

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 3.056e+04 / 18
p0 62.45 ± 0.007306
p1 0.4496 ± 3.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

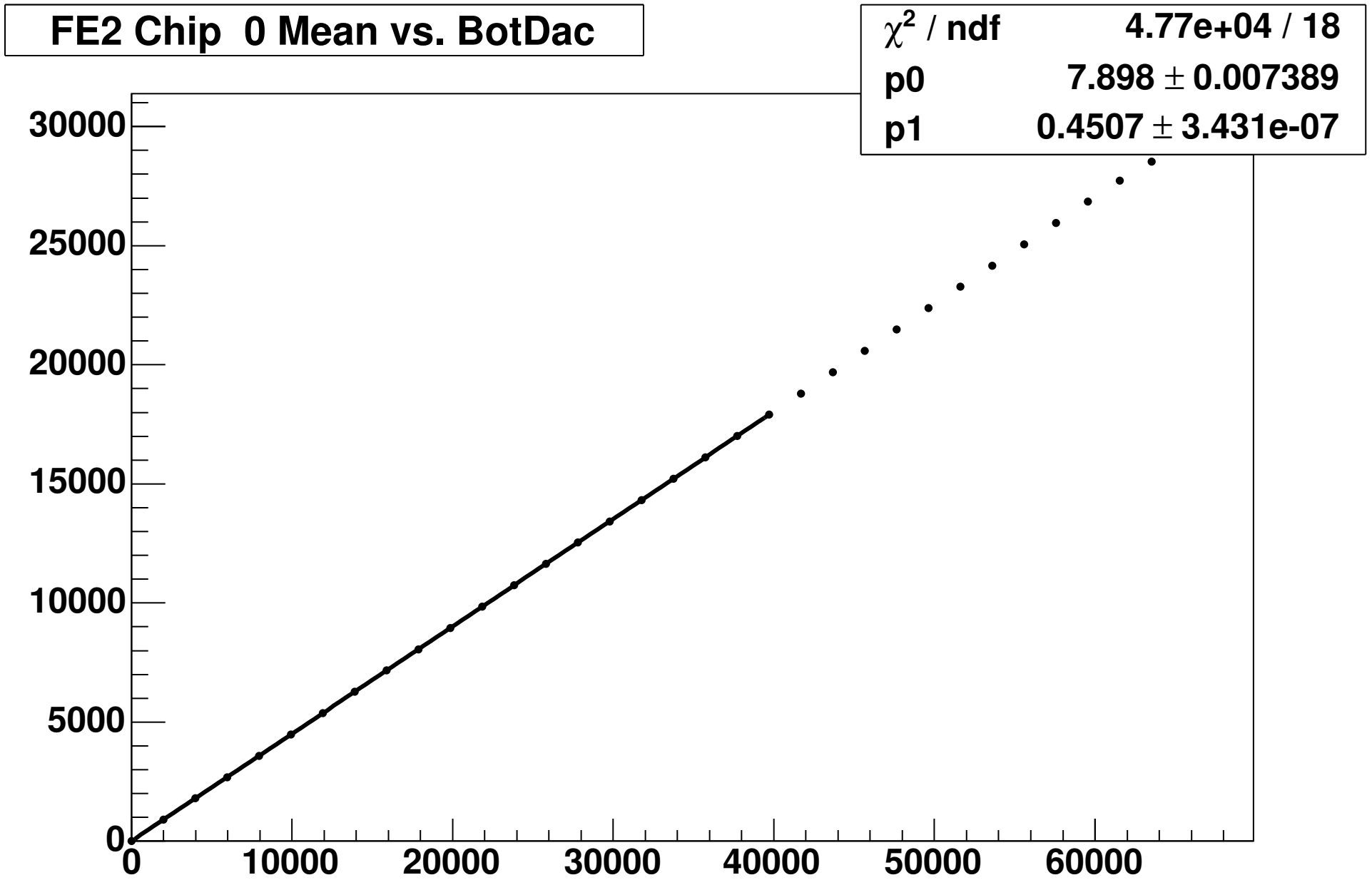

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 397.9 / 18
p0 1.362 ± 0.003952
p1 3.391e-05 ± 2.831e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

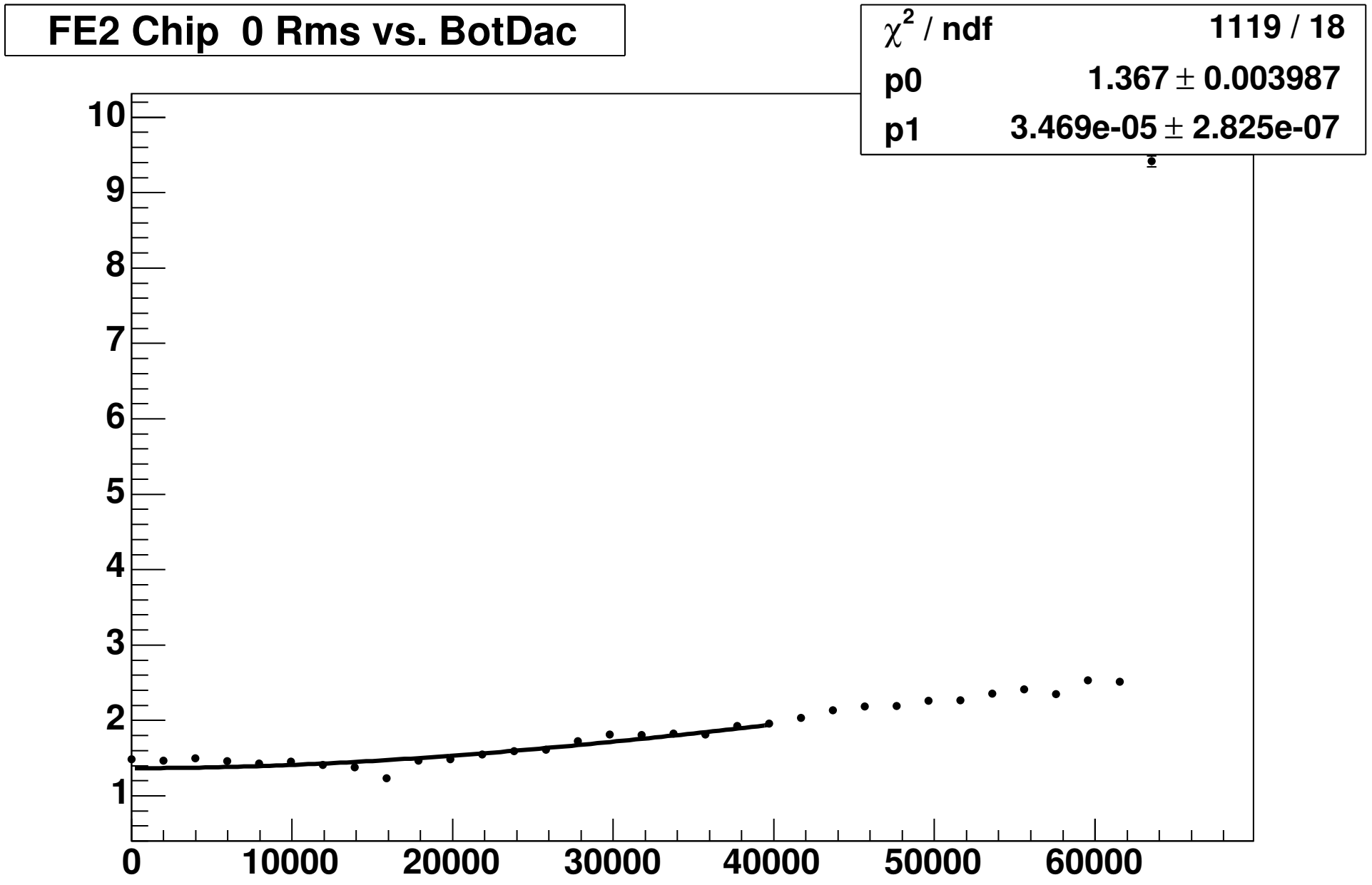

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 524.2 / 18
p0 65.88 ± 0.007396
p1 5.743e-06 ± 3.109e-07
66.2
66.1
66
65.9
65.8
65.7
65.6
65.5
0
10000
20000
30000
40000
50000
60000

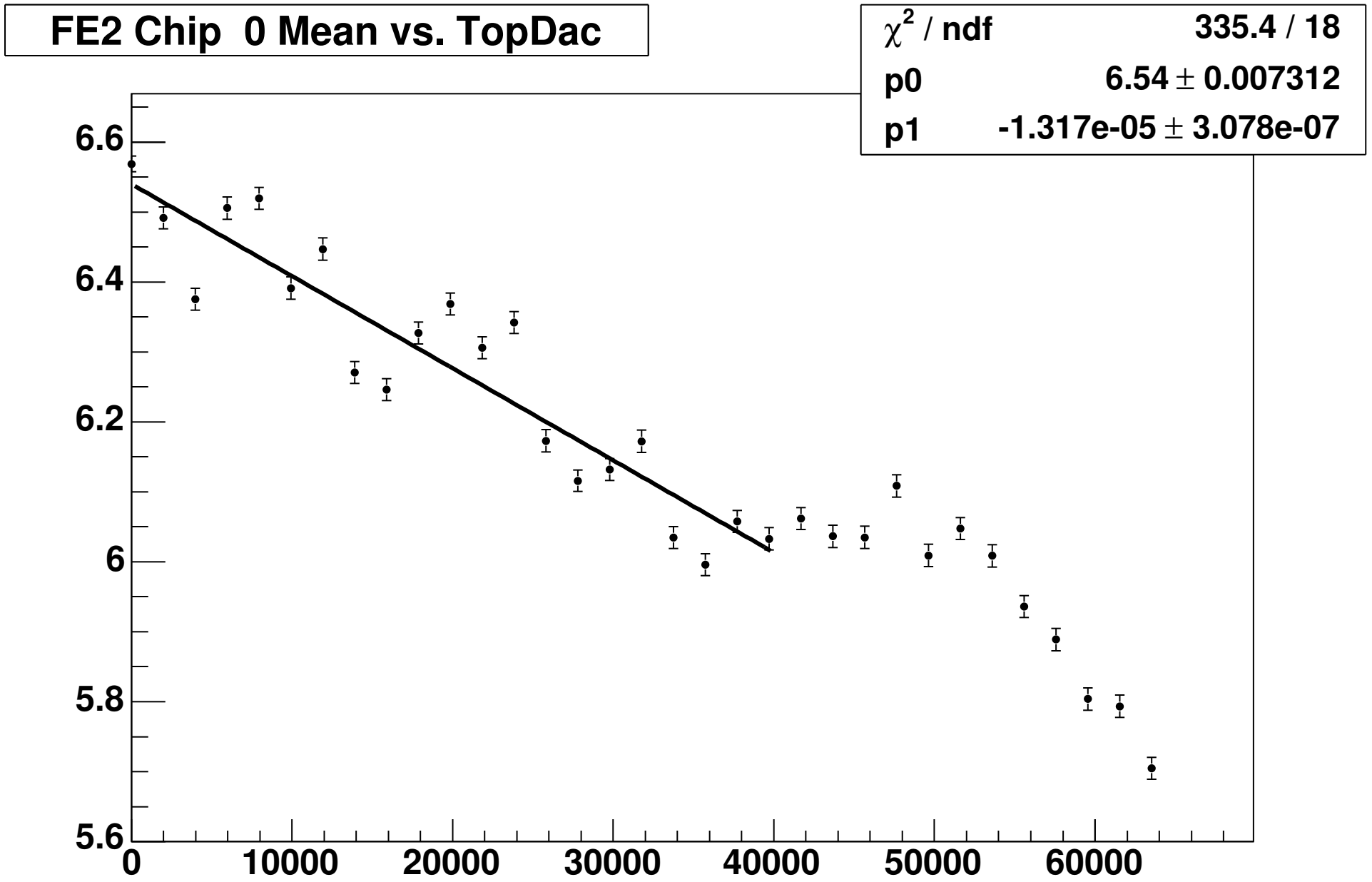

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 16.61 / 18
p0 1.498 ± 0.002517
p1 1.033e-12 ± 5.473e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

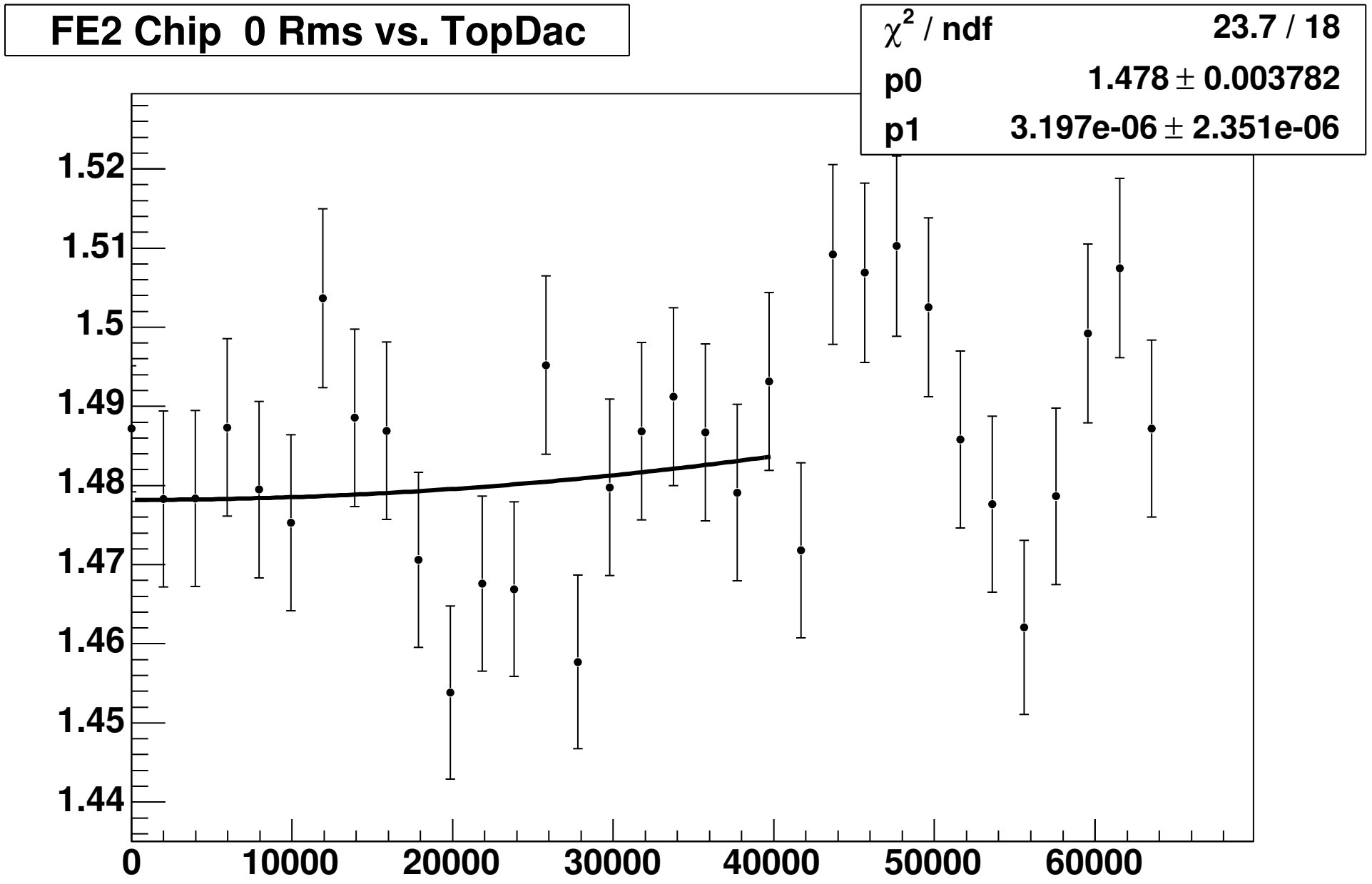

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 2.773e+04 / 18
p0 65.18 ± 0.007252
p1 0.4497 ± 3.298e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

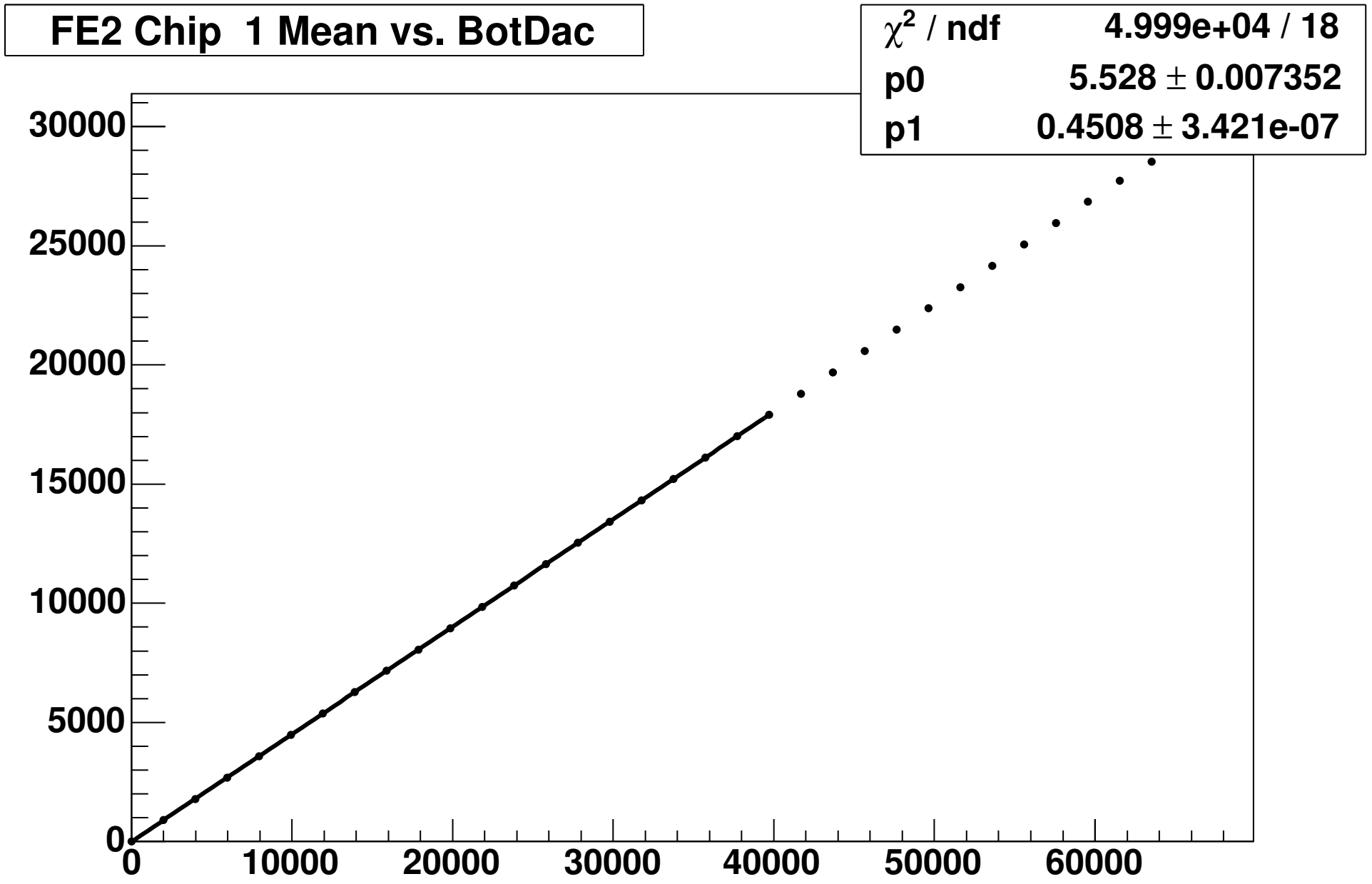

FE1 Chip 11 Rms vs. TopDac
χ² / ndf 889.9 / 18
p0 1.394 ± 0.003922
p1 3.001e-05 ± 3.058e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 4.77e+04 / 18
p0 7.898 ± 0.007389
p1 0.4507 ± 3.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 1119 / 18
p0 1.367 ± 0.003987
p1 3.469e-05 ± 2.825e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 335.4 / 18
p0 6.54 ± 0.007312
p1 -1.317e-05 ± 3.078e-07
6.6
6.4
6.2
6
5.8
5.6
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 23.7 / 18
p0 1.478 ± 0.003782
p1 3.197e-06 ± 2.351e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 4.999e+04 / 18
p0 5.528 ± 0.007352
p1 0.4508 ± 3.421e-07
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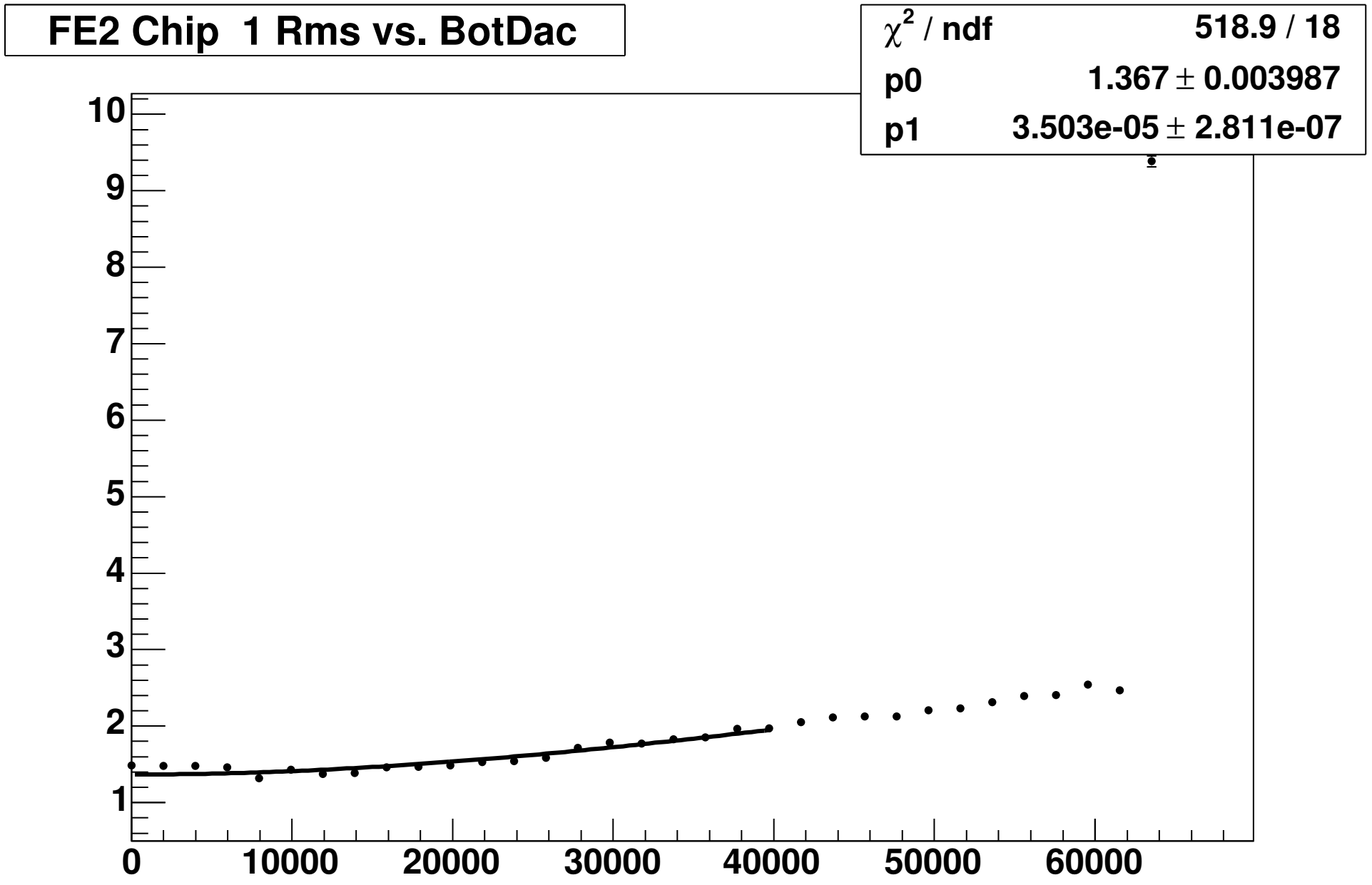
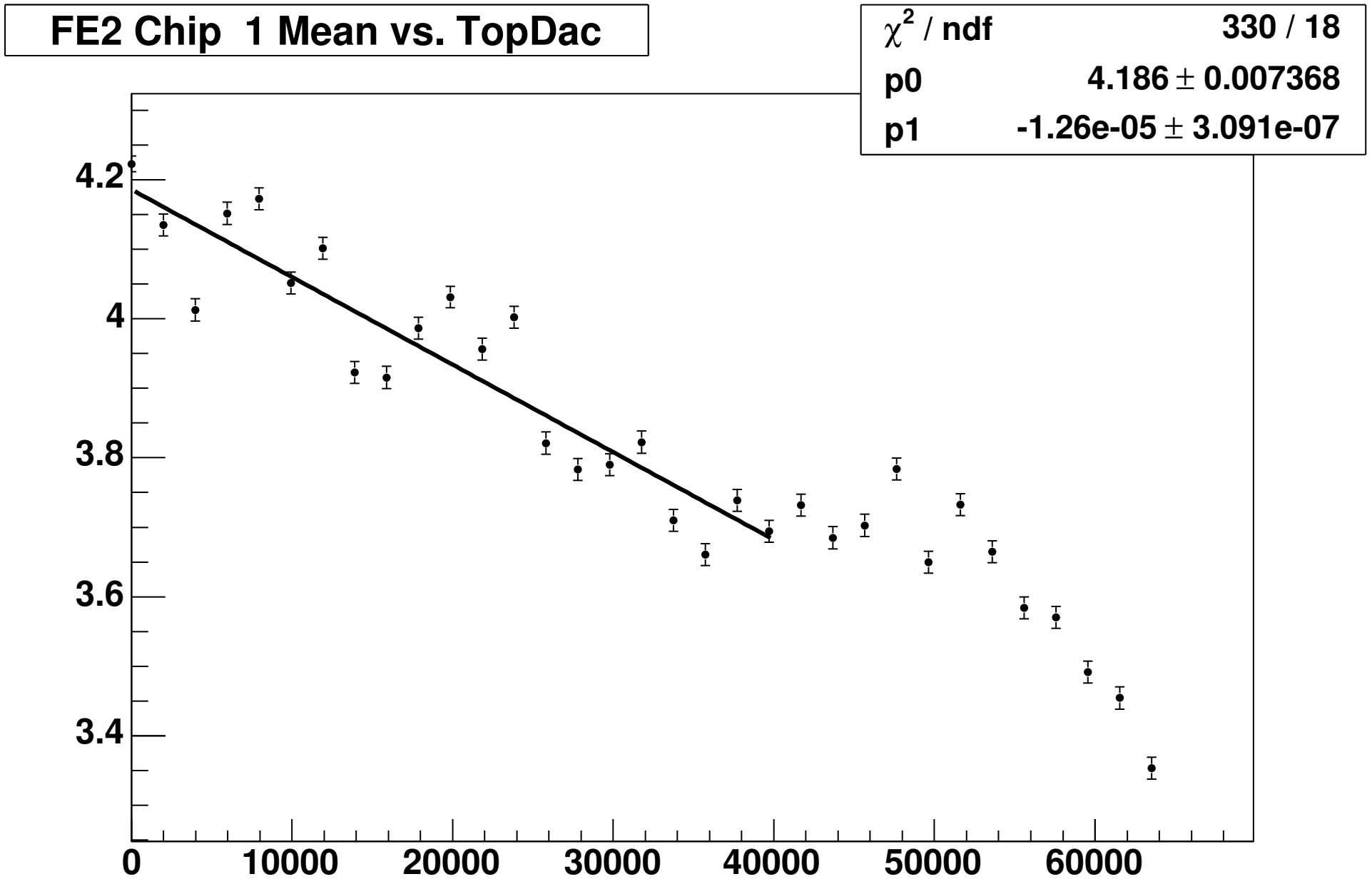
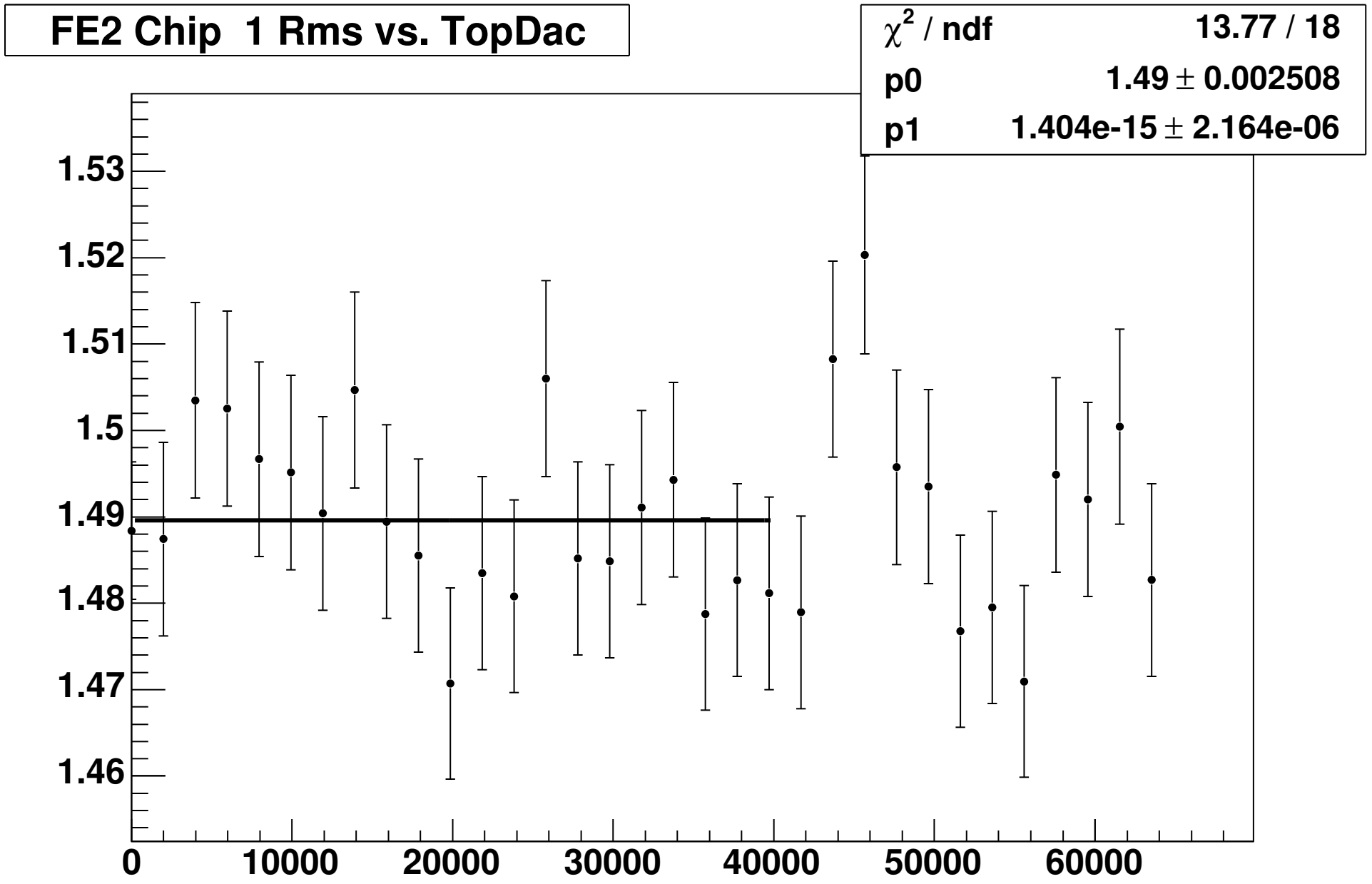
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 518.9 / 18
p0 1.367 ± 0.003987
p1 3.503e-05 ± 2.811e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 330 / 18
p0 4.186 ± 0.007368
p1 -1.26e-05 ± 3.091e-07
4.2
4
3.8
3.6
3.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 13.77 / 18
p0 1.49 ± 0.002508
p1 1.404e-15 ± 2.164e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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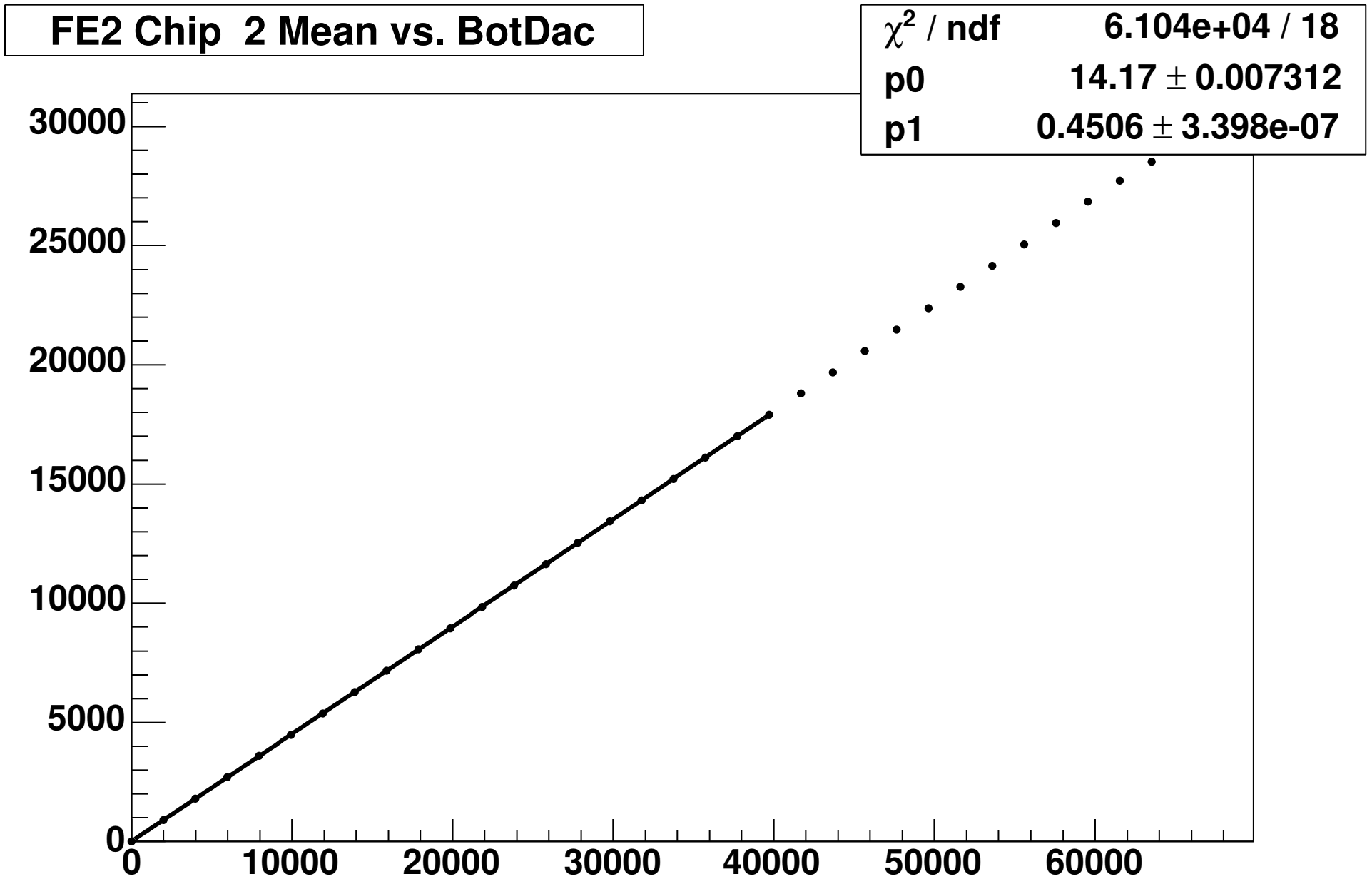
50000
60000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 6.104e+04 / 18
p0 14.17 ± 0.007312
p1 0.4506 ± 3.398e-07
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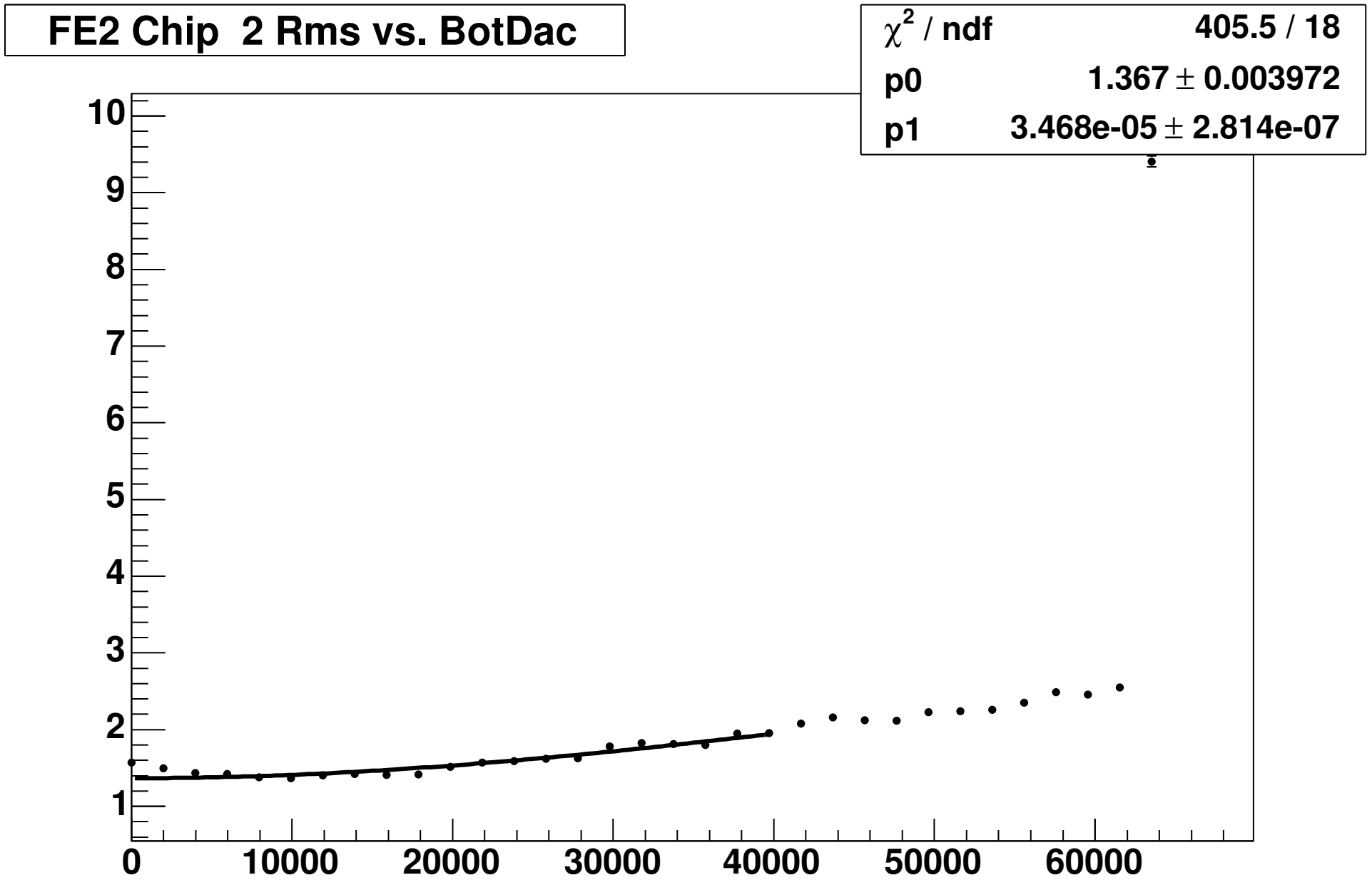
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 405.5 / 18
p0 1.367 ± 0.003972
p1 3.468e-05 ± 2.814e-07
10
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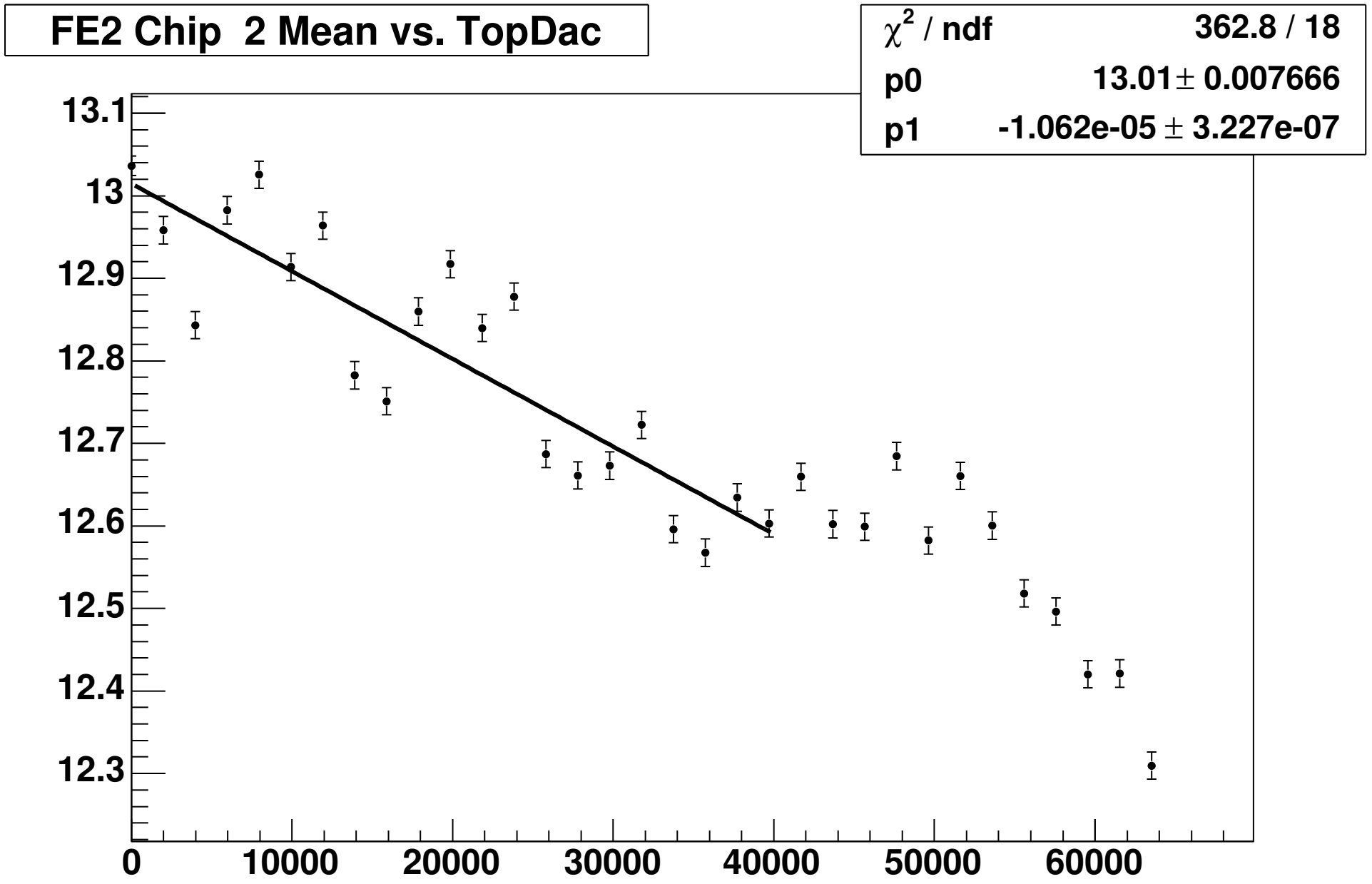
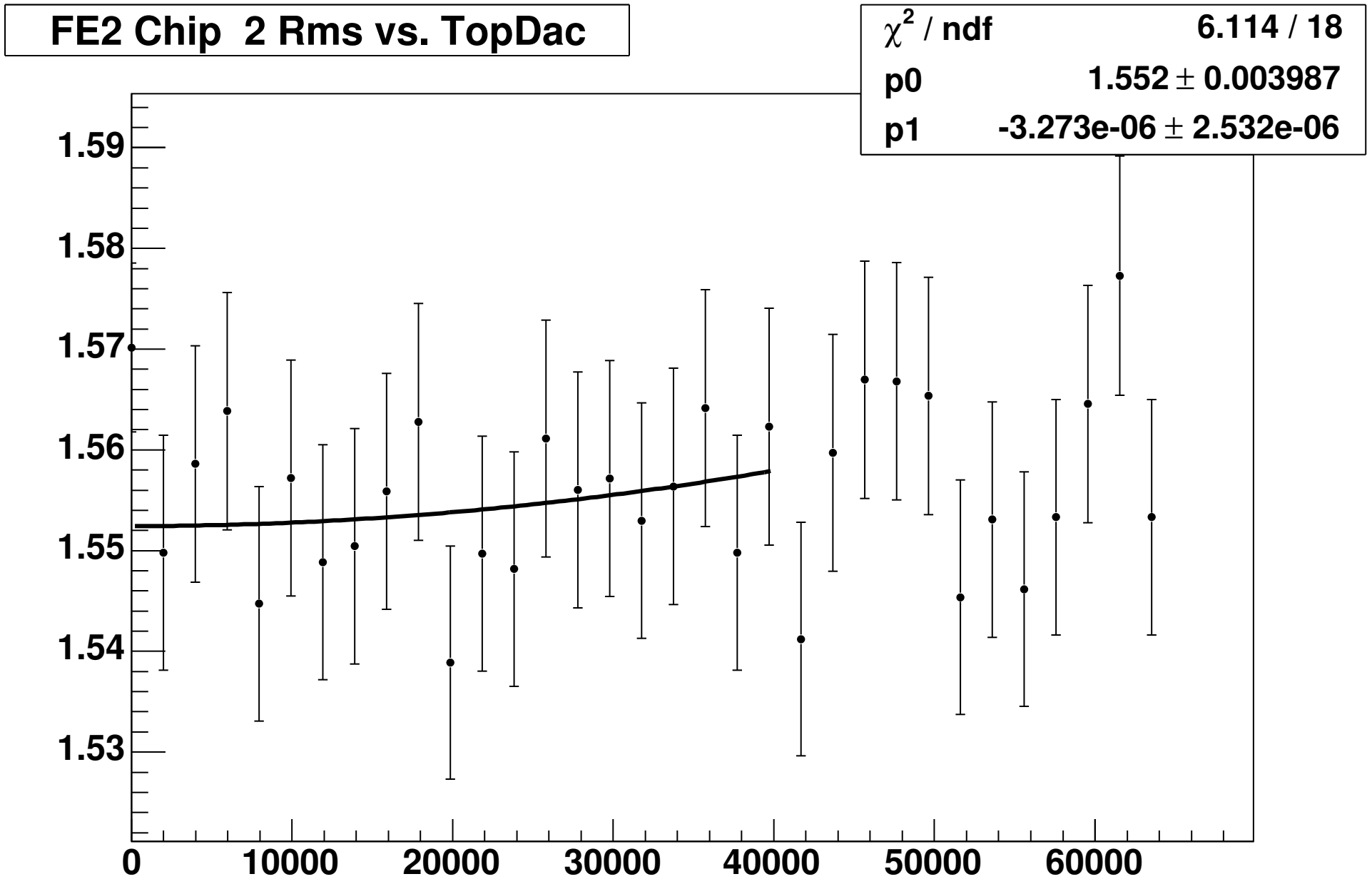
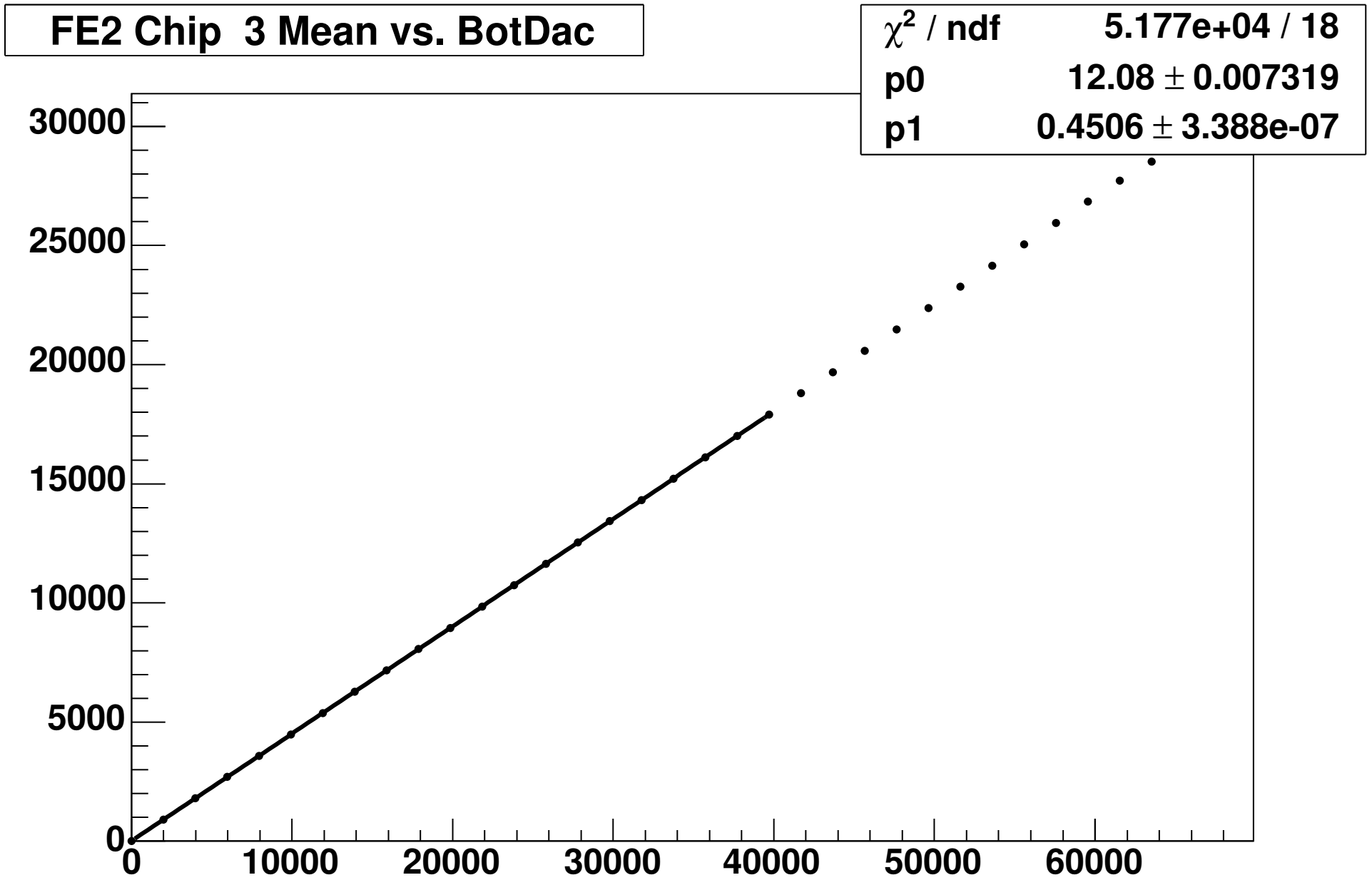
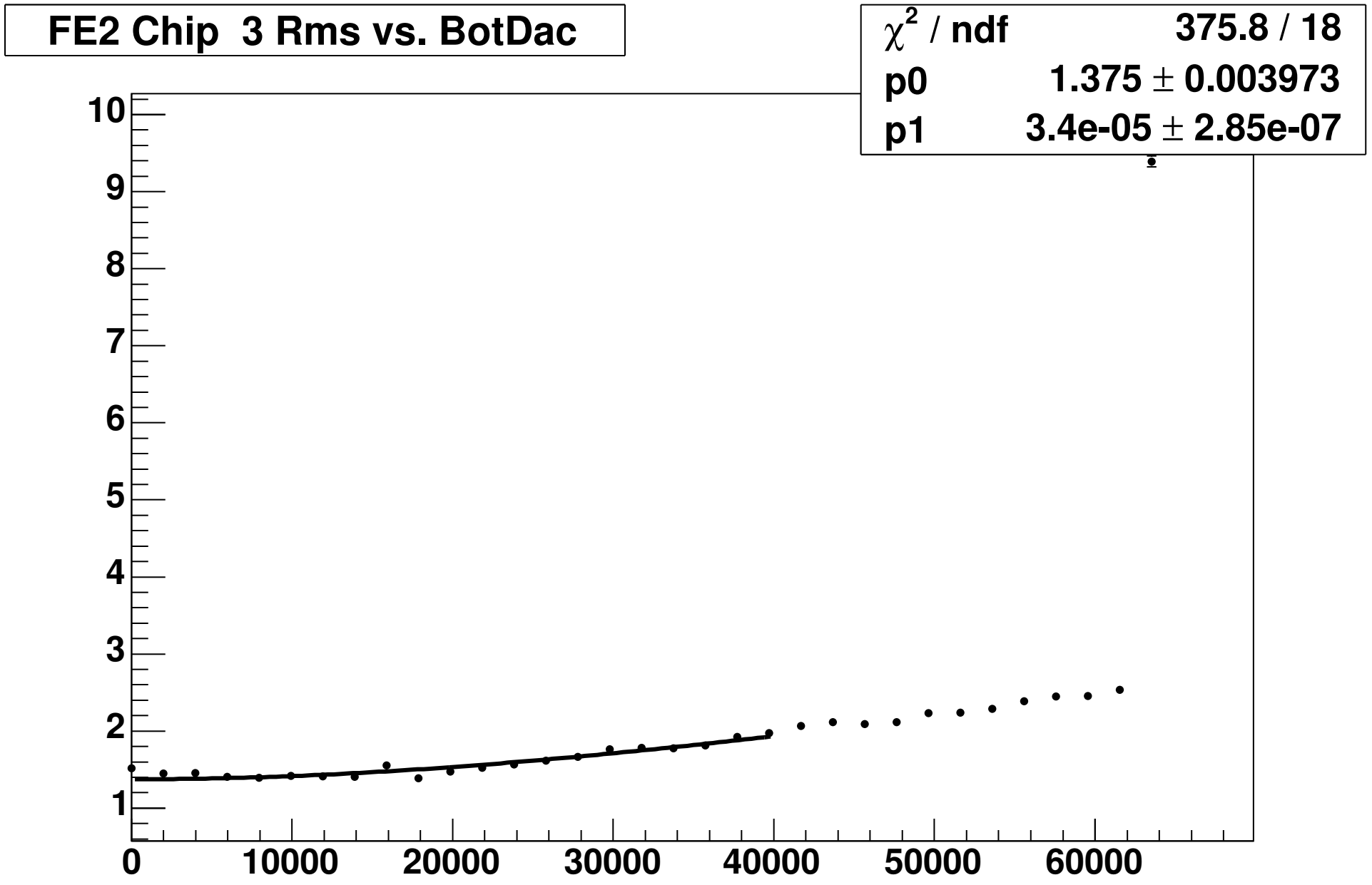
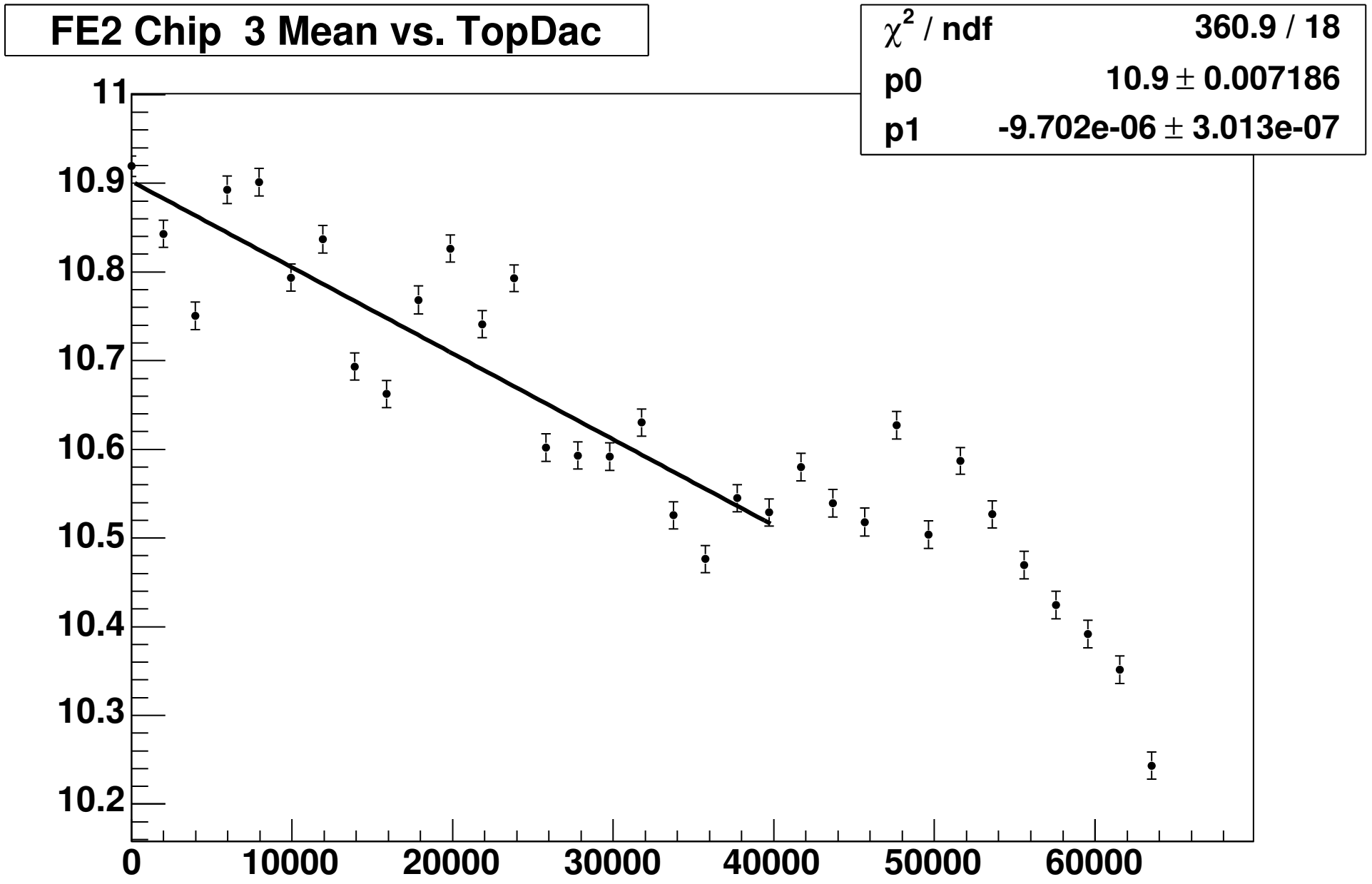
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

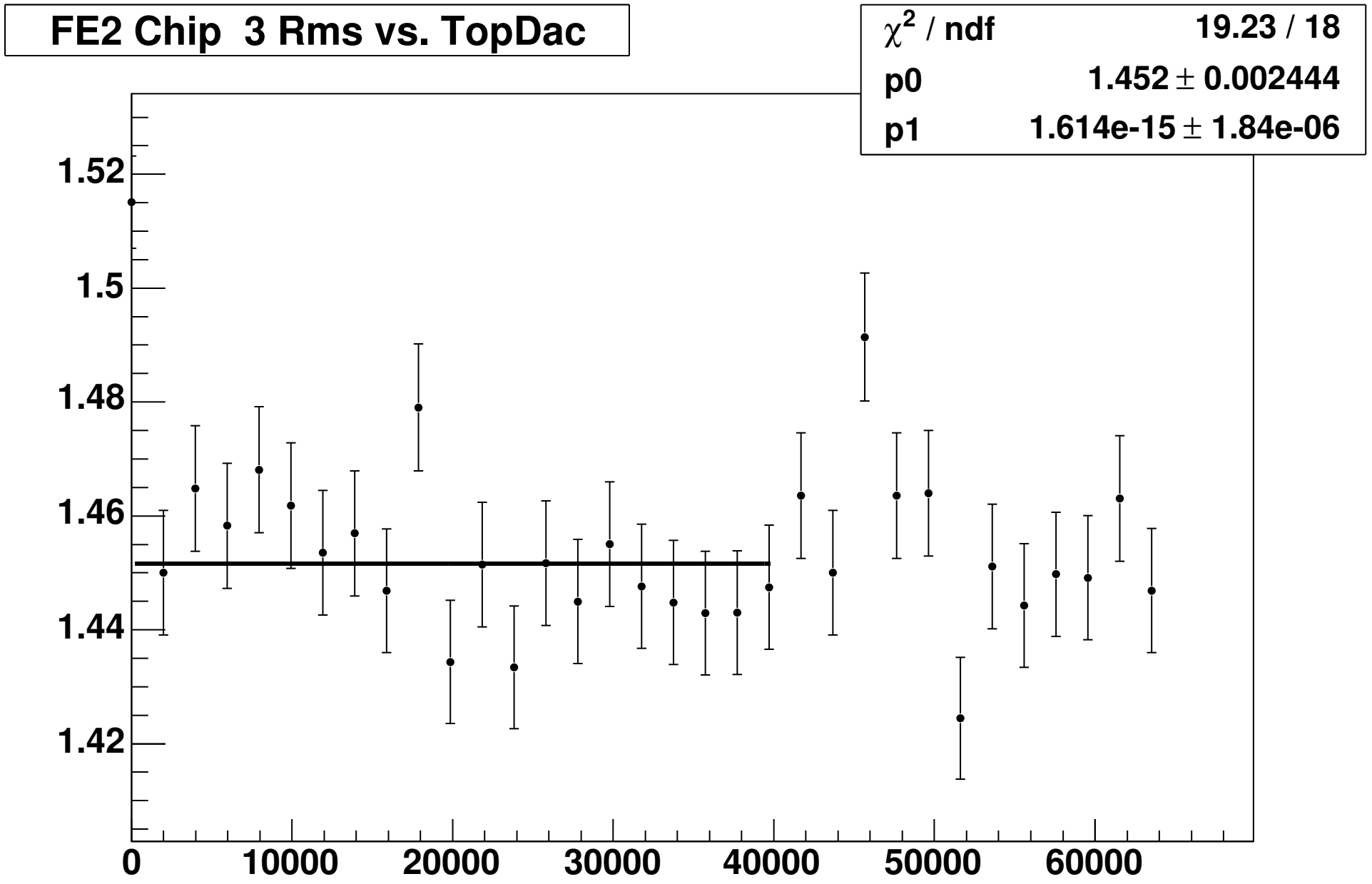

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 362.8 / 18
p0 13.01 ± 0.007666
p1 -1.062e-05 ± 3.227e-07
13.1
13
12.9
12.8
12.7
12.6
12.5
12.4
12.3
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 6.114 / 18
p0 1.552 ± 0.003987
p1 -3.273e-06 ± 2.532e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 5.177e+04 / 18
p0 12.08 ± 0.007319
p1 0.4506 ± 3.388e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 375.8 / 18
p0 1.375 ± 0.003973
p1 3.4e-05 ± 2.85e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 360.9 / 18
p0 10.9 ± 0.007186
p1 -9.702e-06 ± 3.013e-07
11
10.9
10.8
10.7
10.6
10.5
10.4
10.3
10.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 19.23 / 18
p0 1.452 ± 0.002444
p1 1.614e-15 ± 1.84e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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30000
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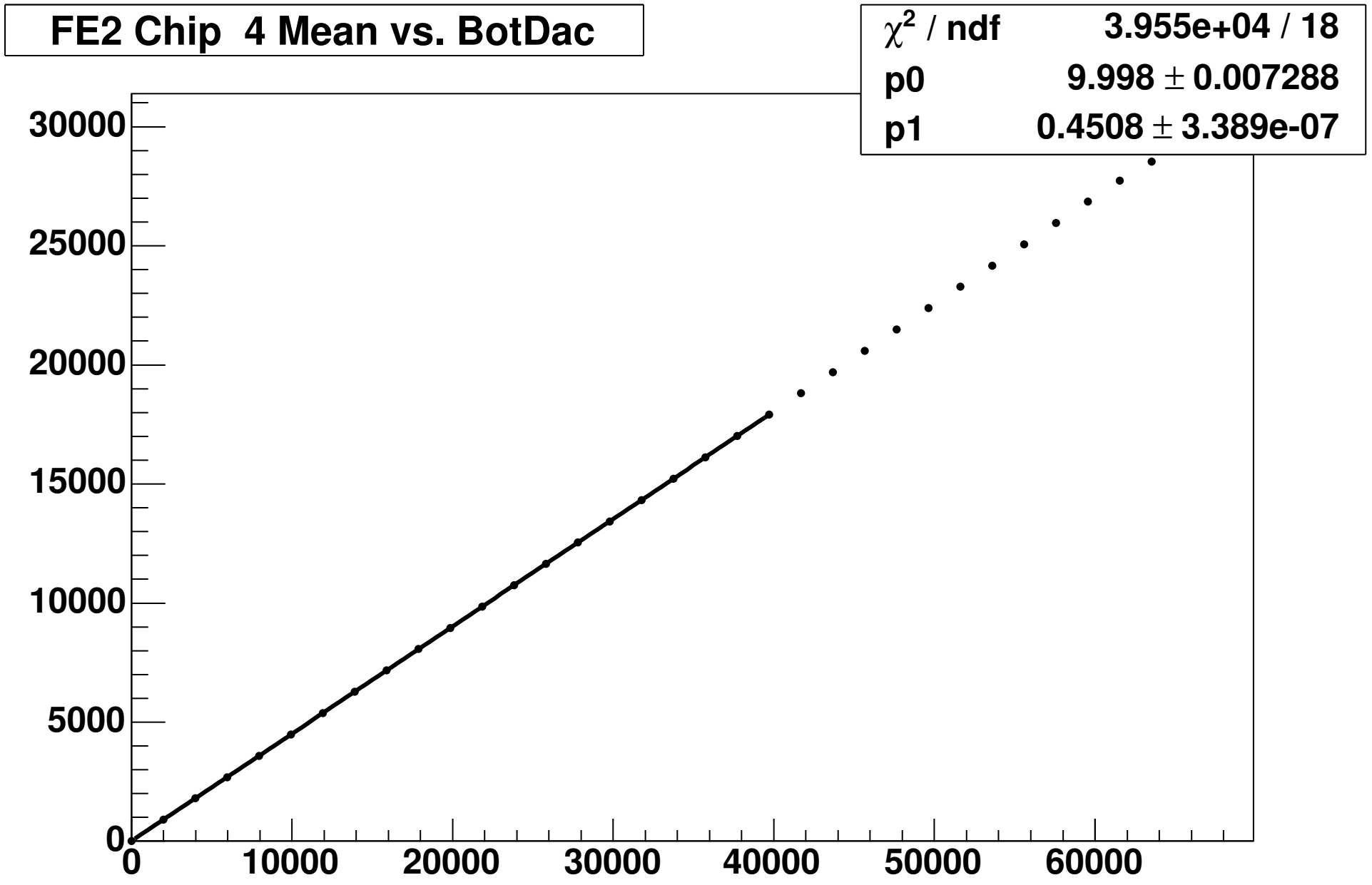
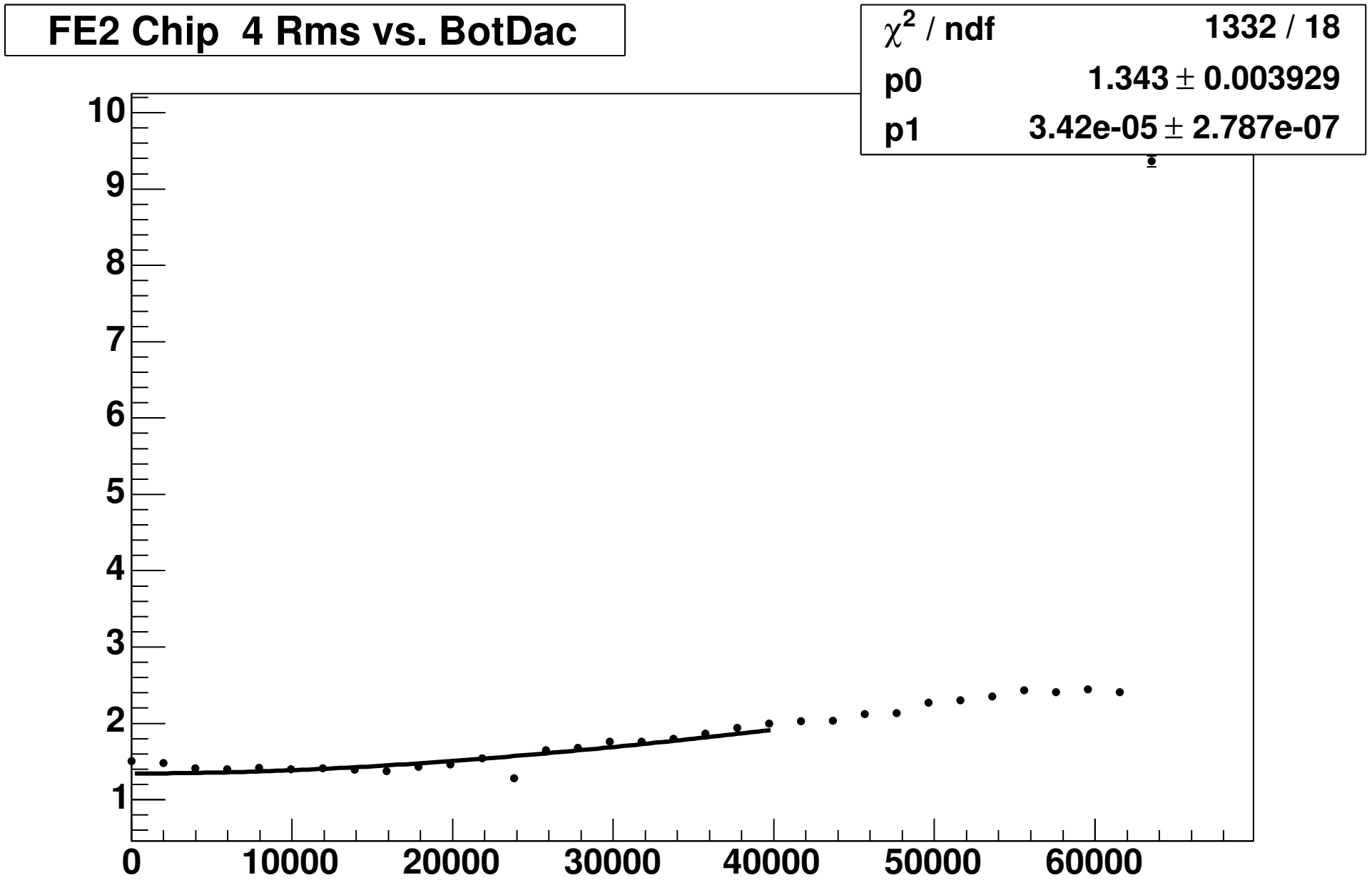
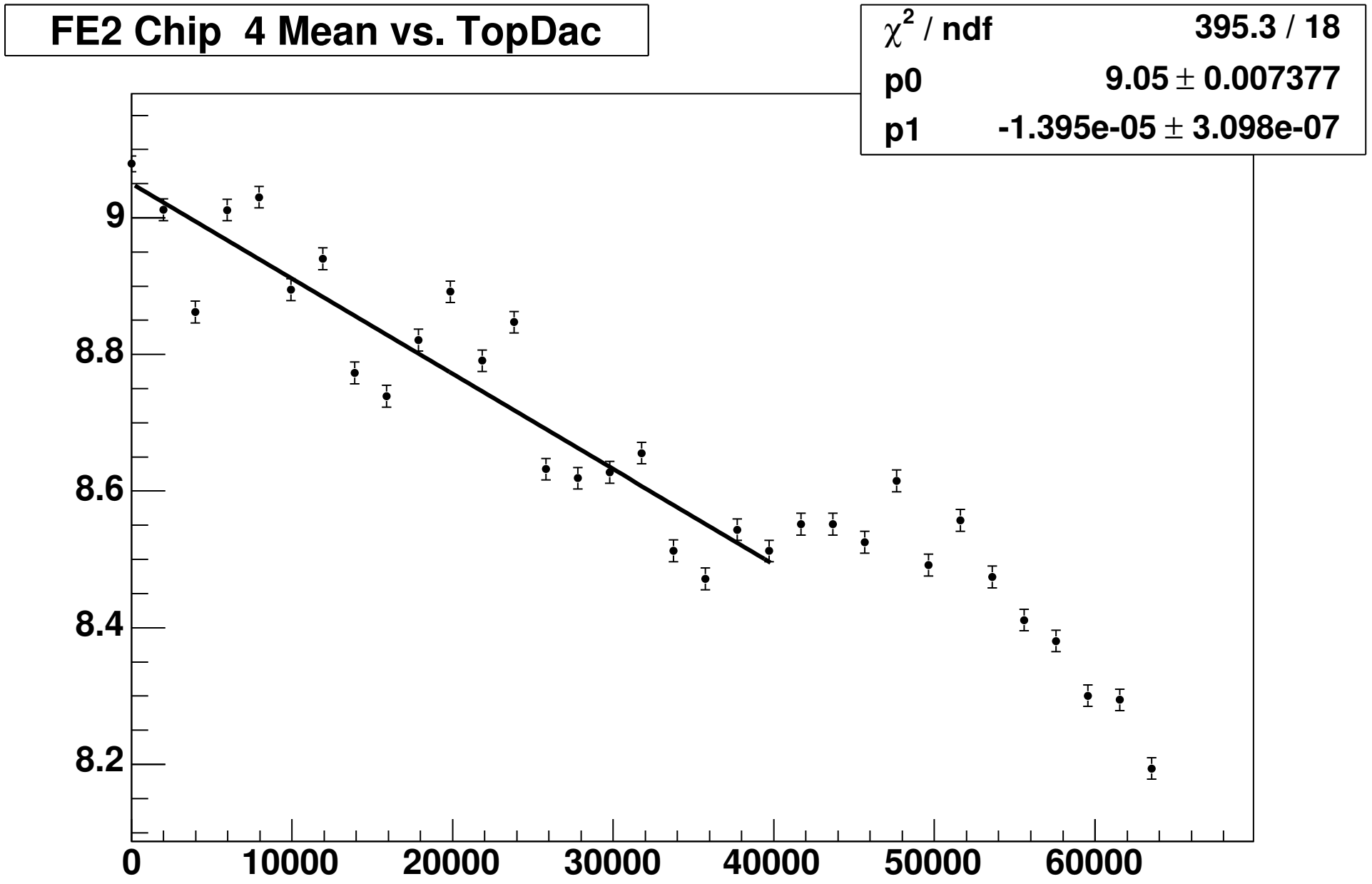
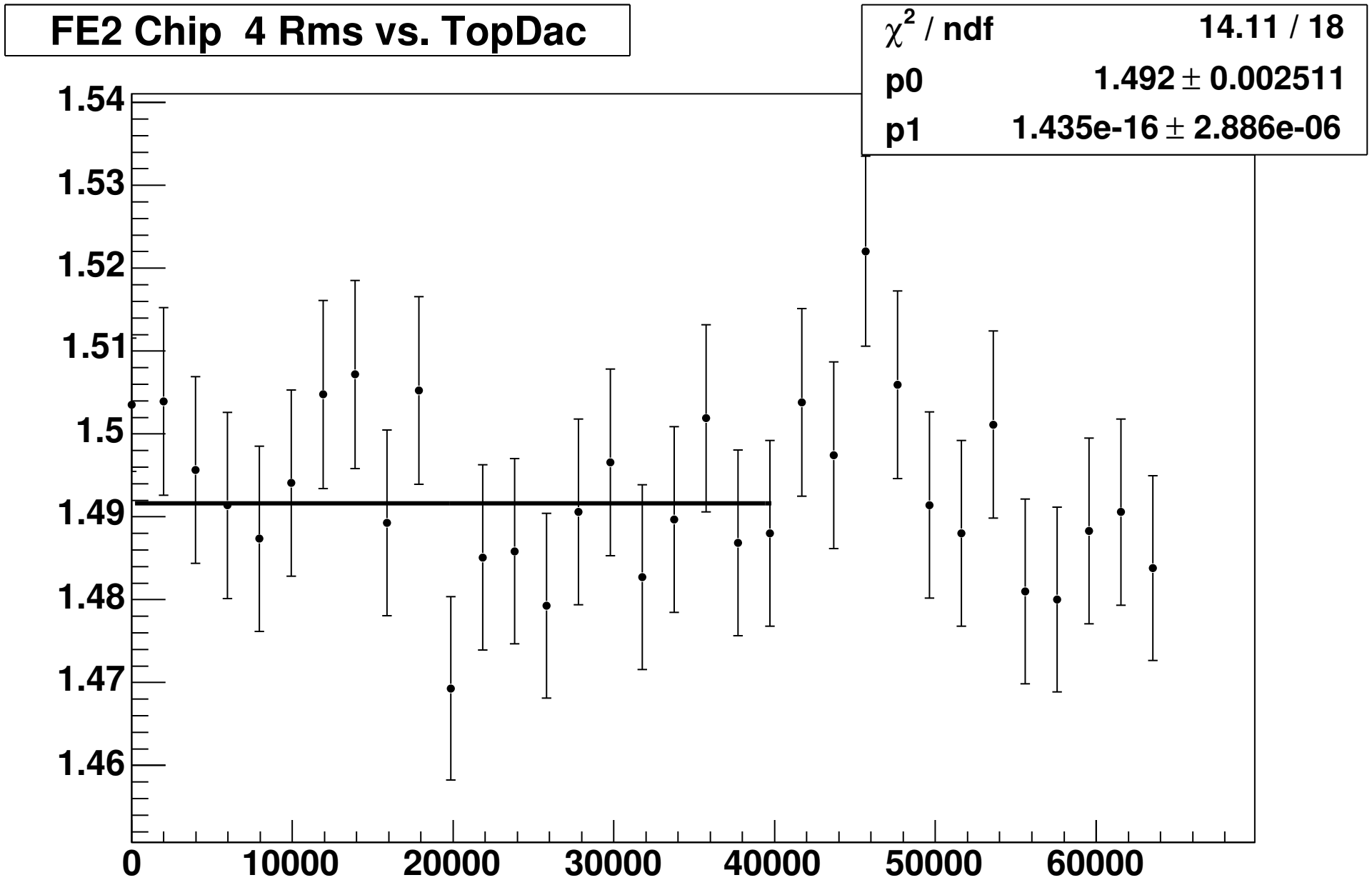
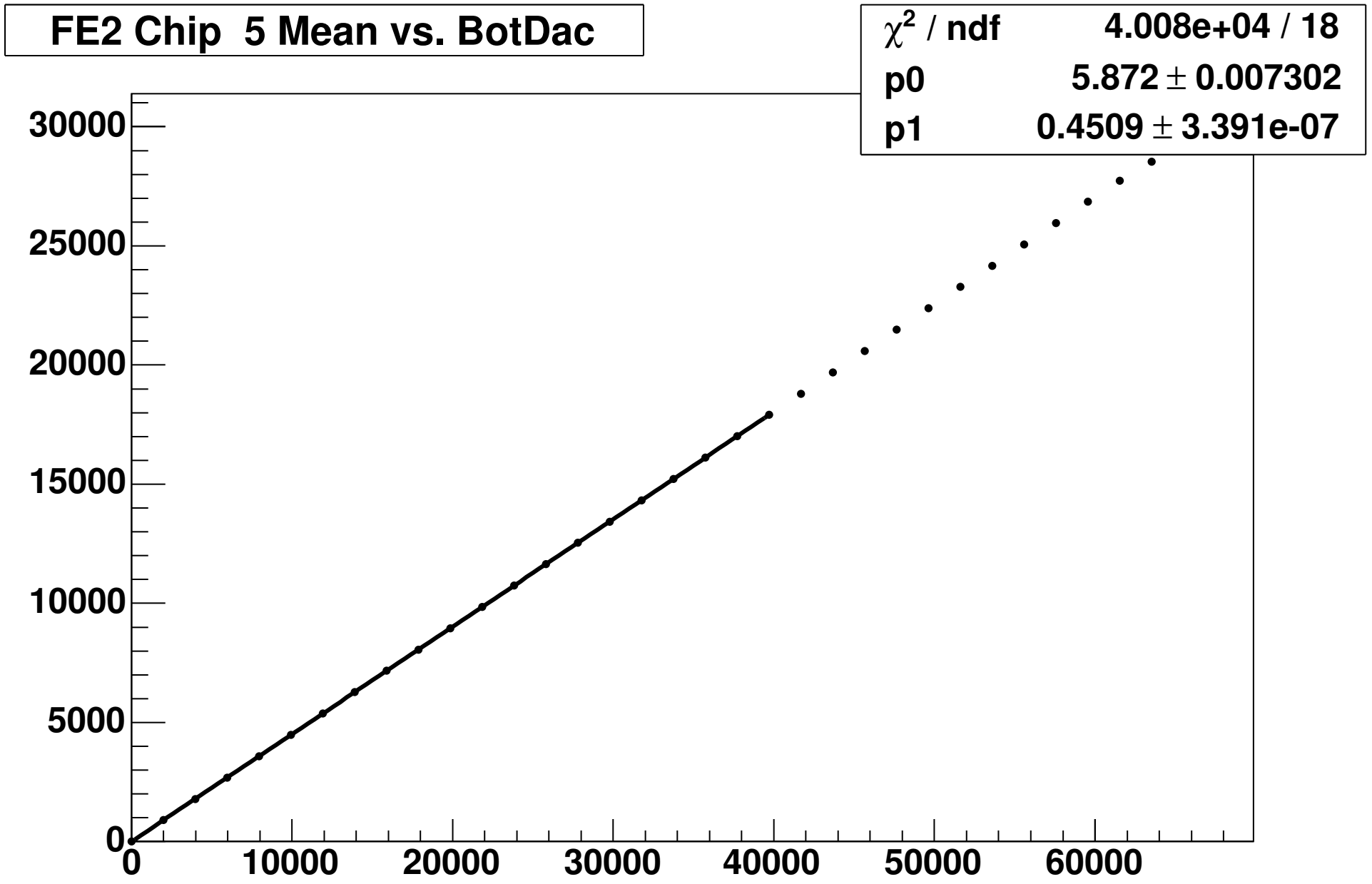
50000
60000

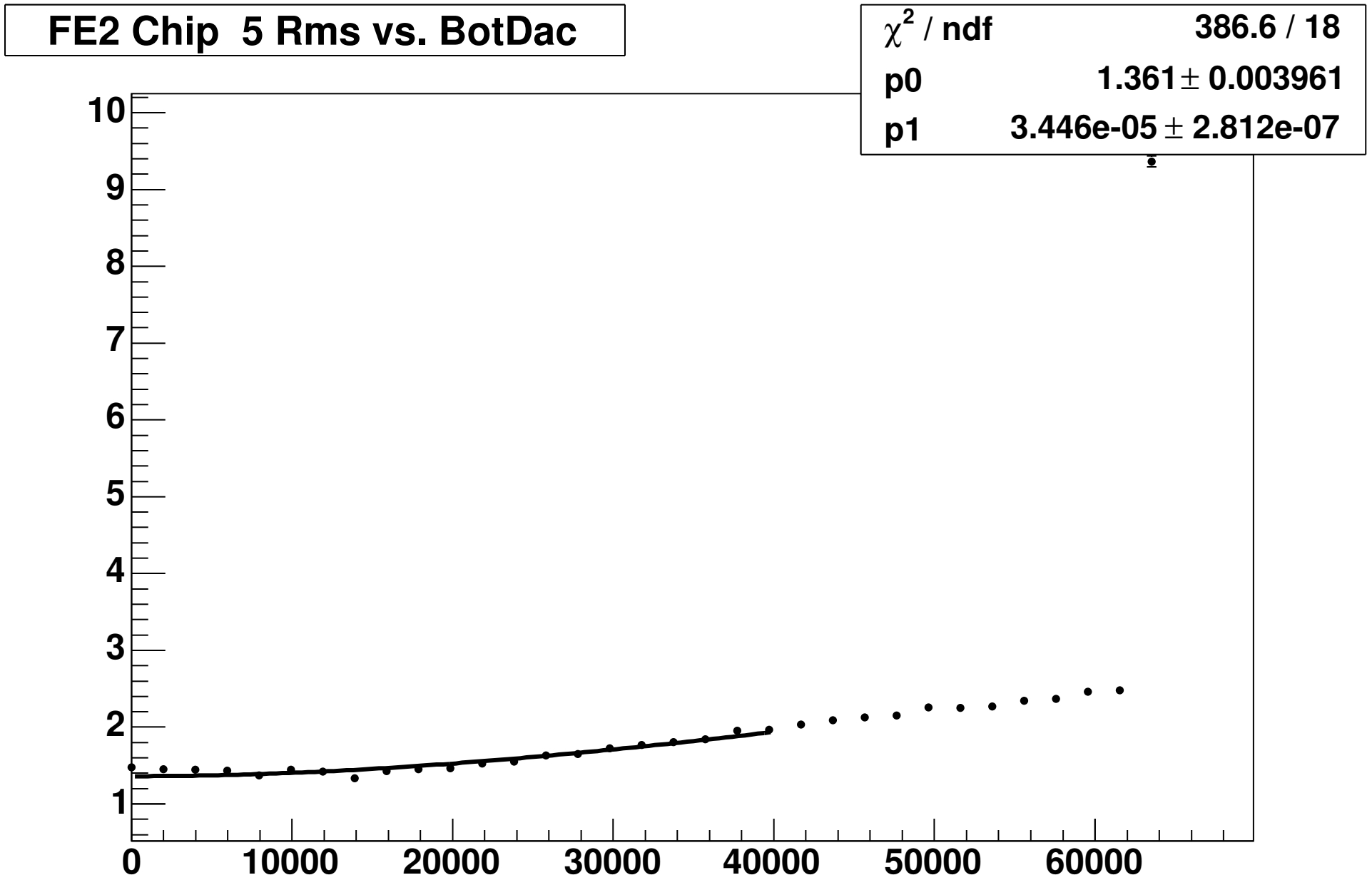

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 3.955e+04 / 18
p0 9.998 ± 0.007288
p1 0.4508 ± 3.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

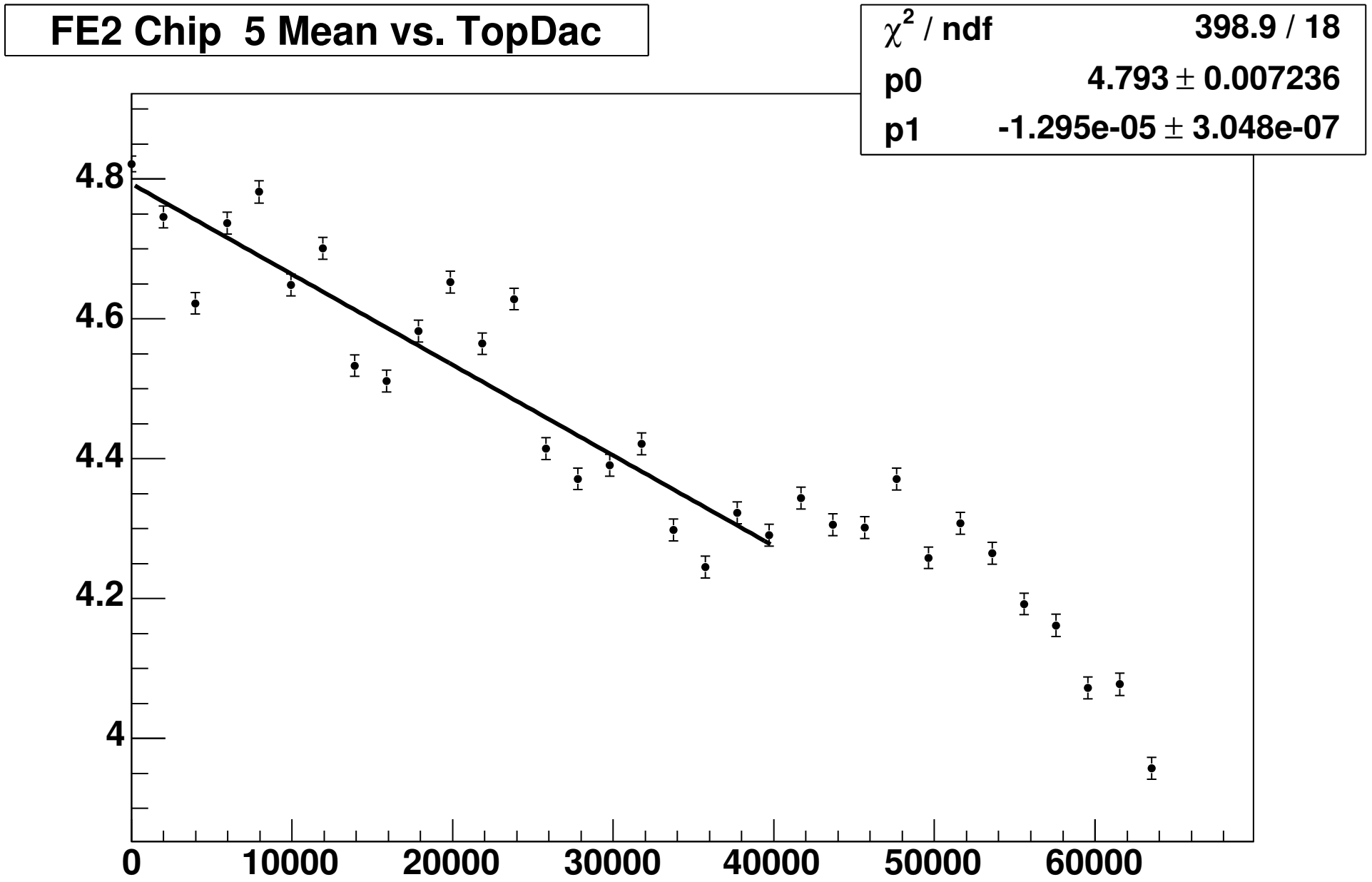

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 1332 / 18
p0 1.343 ± 0.003929
p1 3.42e-05 ± 2.787e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Mean vs. TopDac
χ^2 / ndf 395.3 / 18
p0 9.05 ± 0.007377
p1 -1.395e-05 ± 3.098e-07
9
8.8
8.6
8.4
8.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 14.11 / 18
p0 1.492 ± 0.002511
p1 1.435e-16 ± 2.886e-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


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 4.008e+04 / 18
p0 5.872 ± 0.007302
p1 0.4509 ± 3.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 386.6 / 18
p0 1.361 ± 0.003961
p1 3.446e-05 ± 2.812e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 398.9 / 18
p0 4.793 ± 0.007236
p1 -1.295e-05 ± 3.048e-07
4.8
4.6
4.4
4.2
4
0
10000
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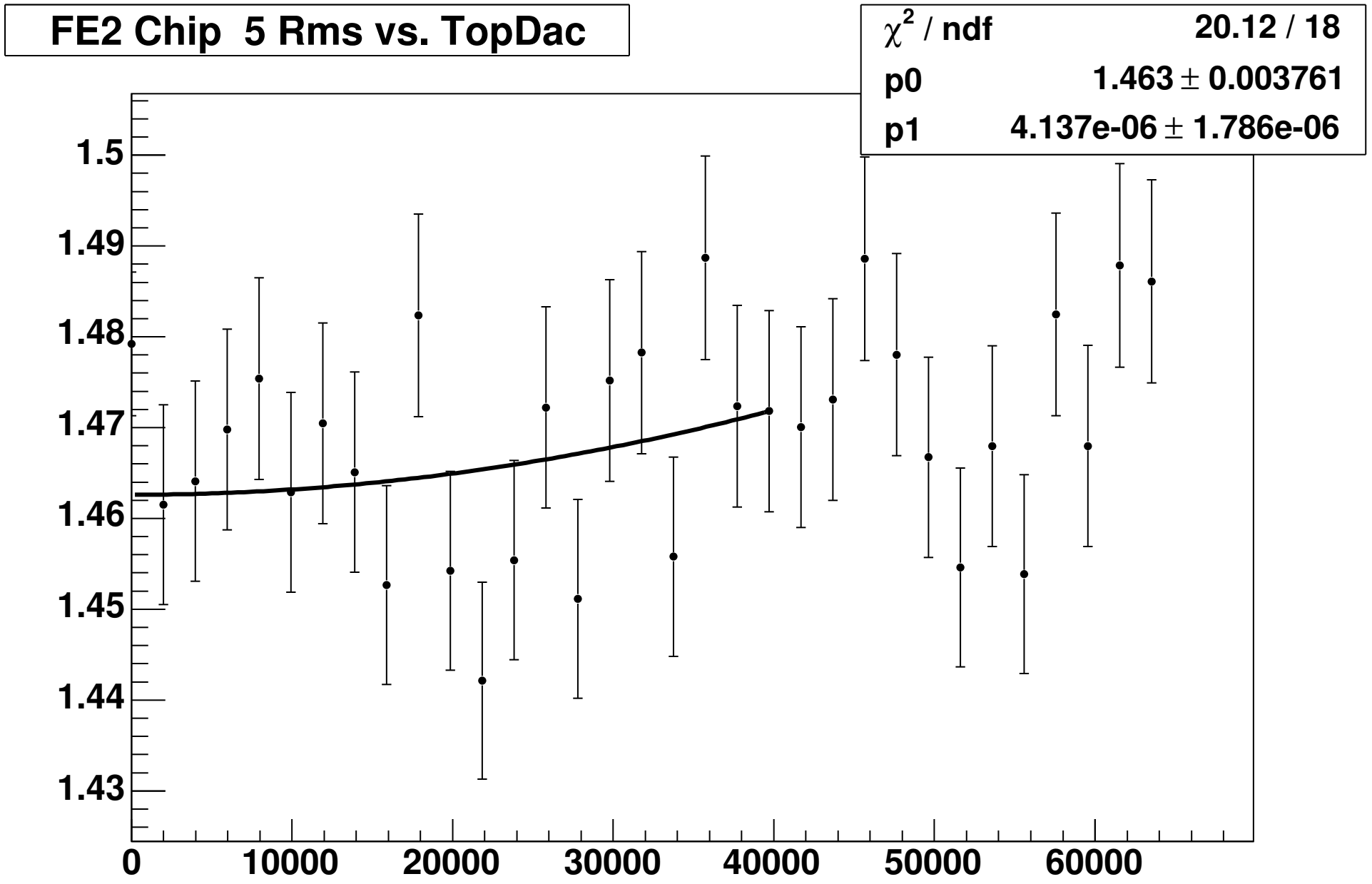
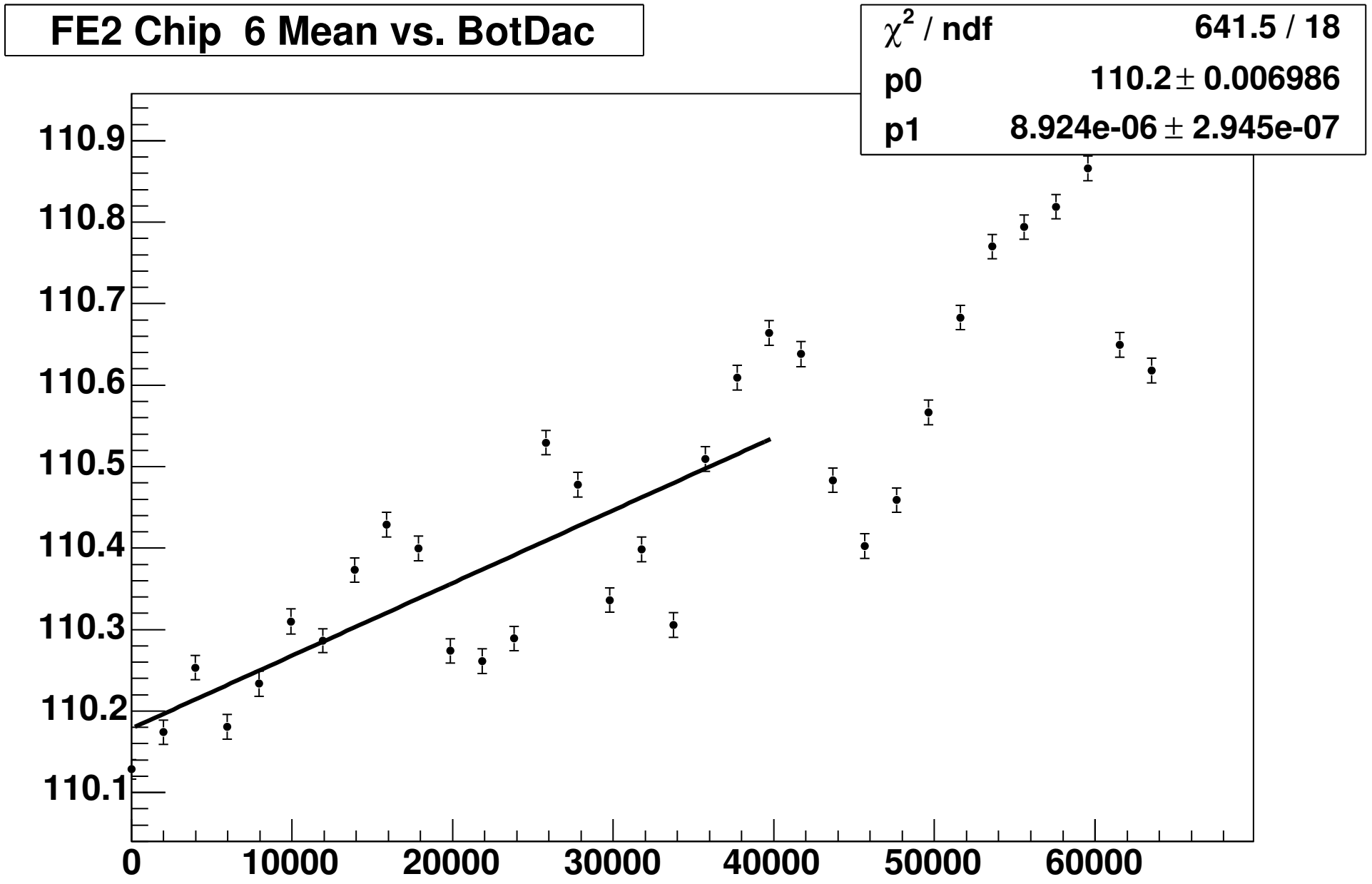
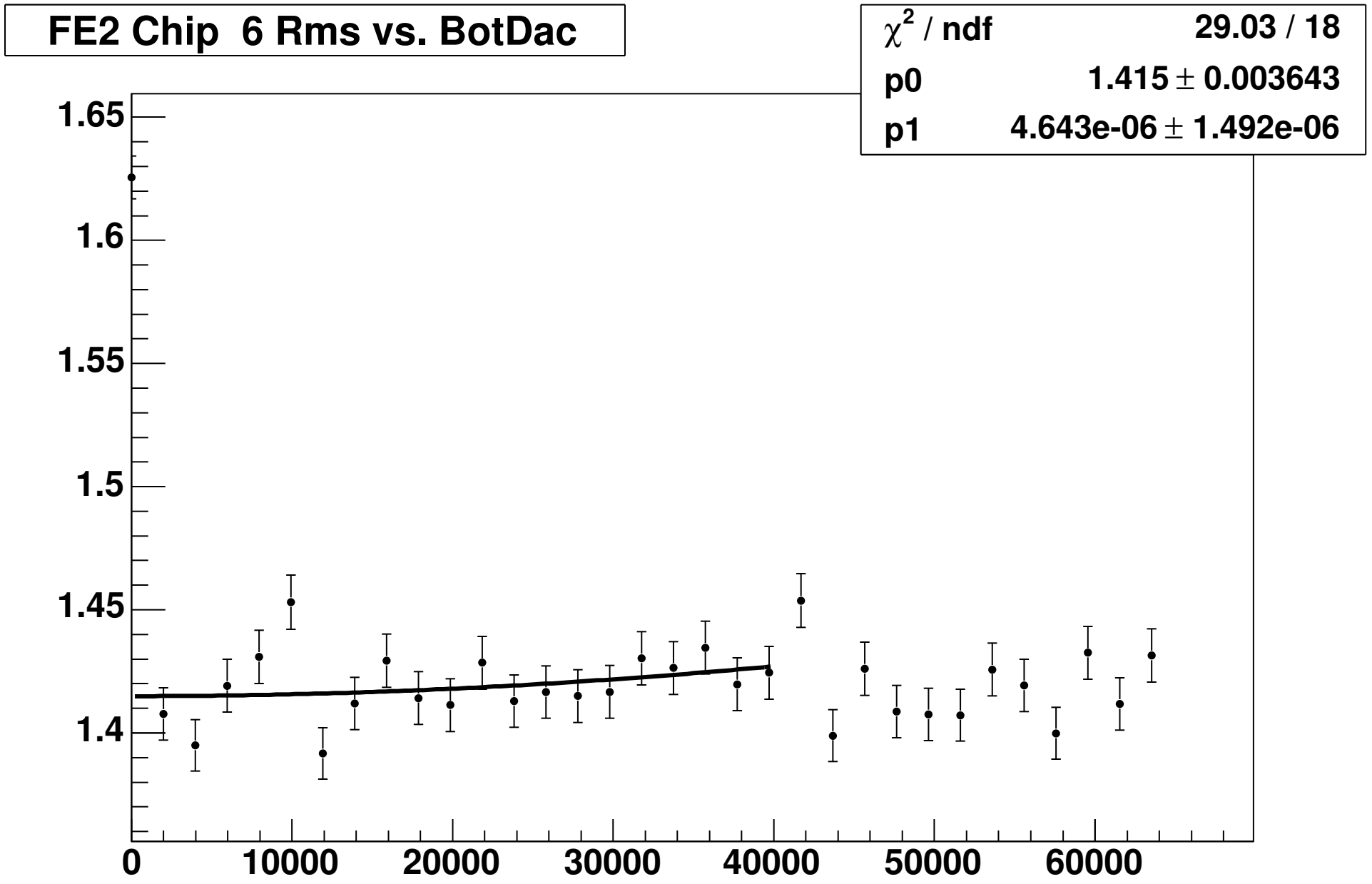
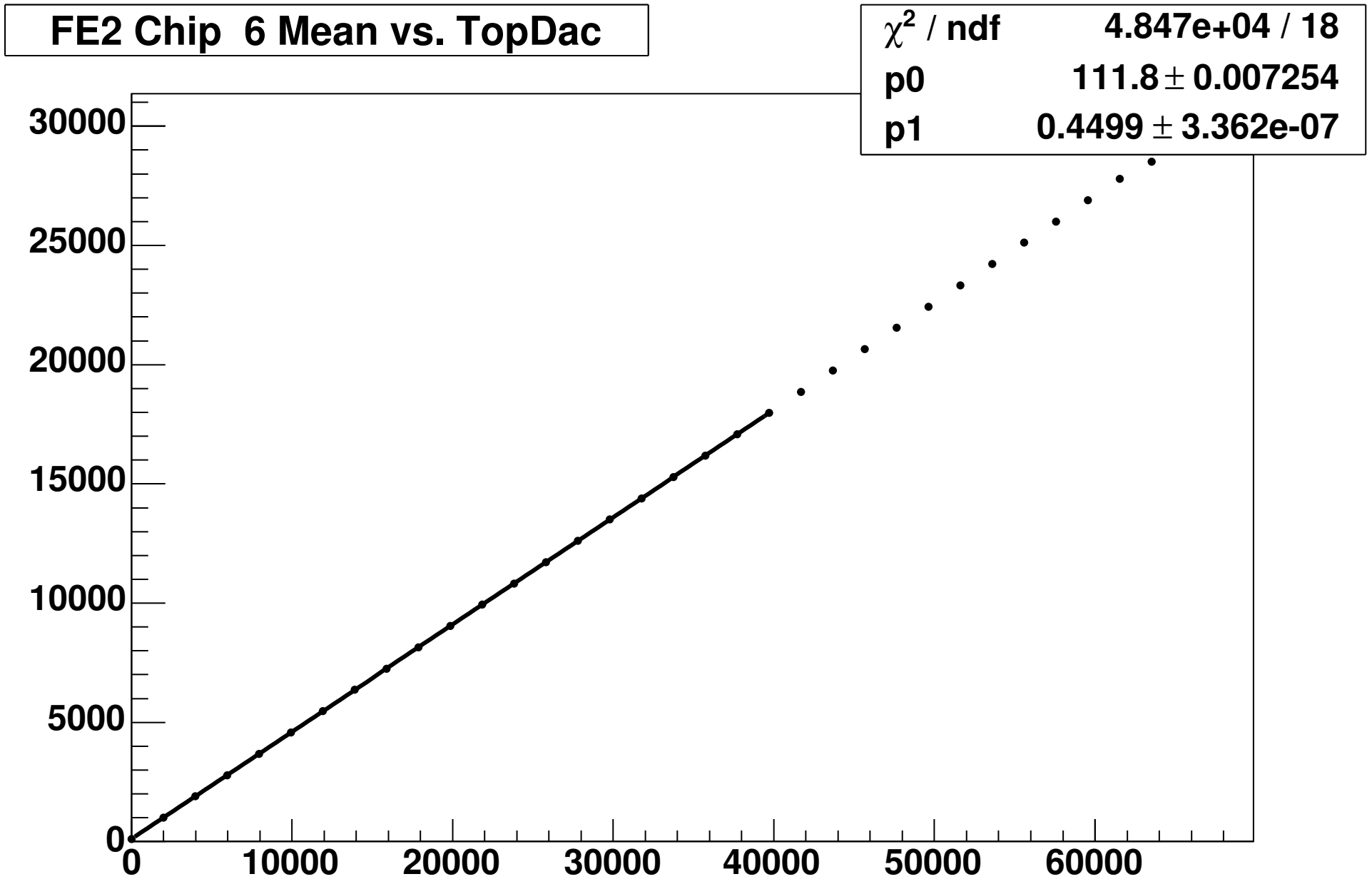
30000
40000
50000
60000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 20.12 / 18
p0 1.463 ± 0.003761
p1 4.137e-06 ± 1.786e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 641.5 / 18
p0 110.2 ± 0.006986
p1 8.924e-06 ± 2.945e-07
110.9
110.8
110.7
110.6
110.5
110.4
110.3
110.2
110.1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 29.03 / 18
p0 1.415 ± 0.003643
p1 4.643e-06 ± 1.492e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 4.847e+04 / 18
p0 111.8 ± 0.007254
p1 0.4499 ± 3.362e-07
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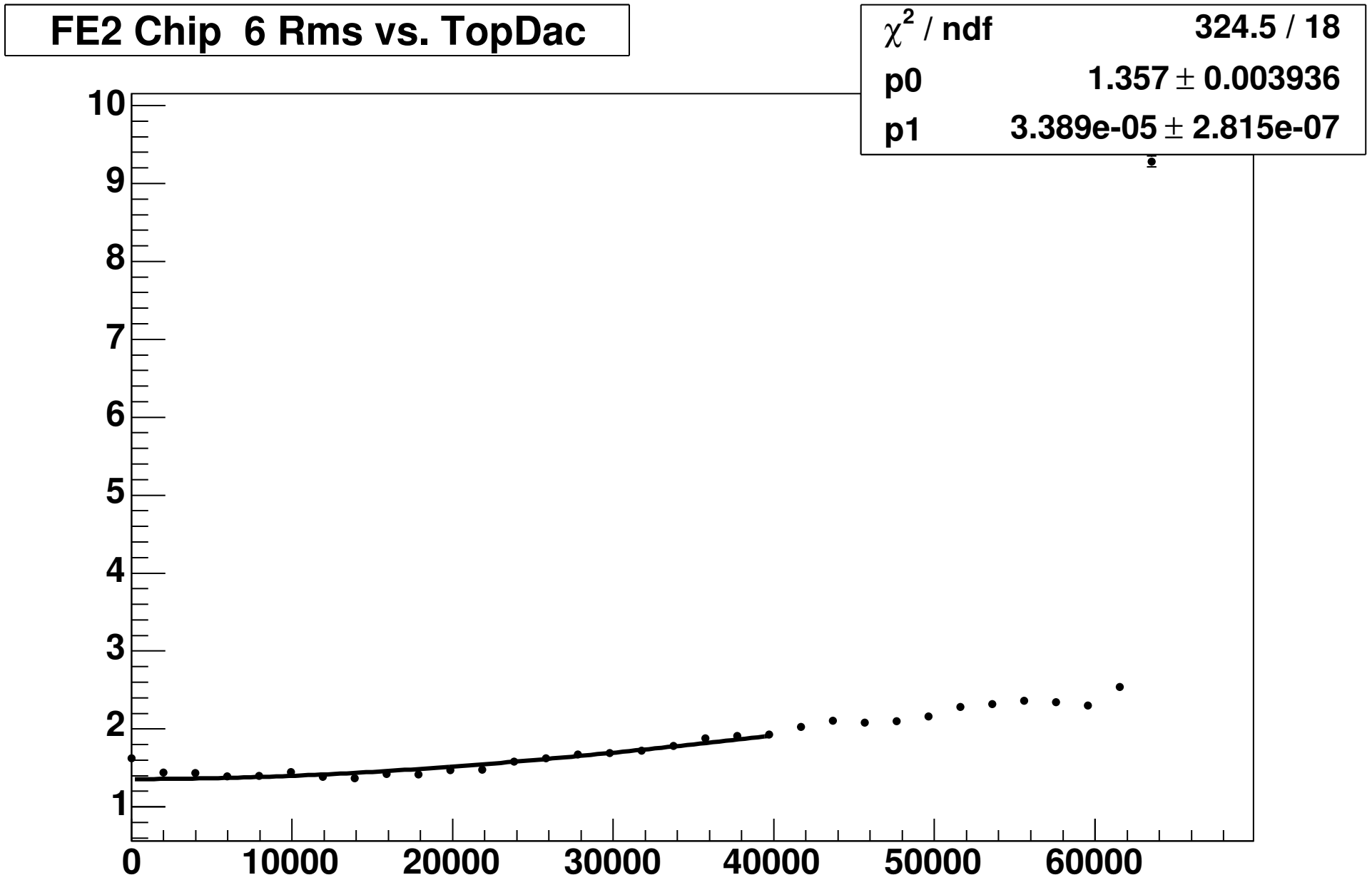
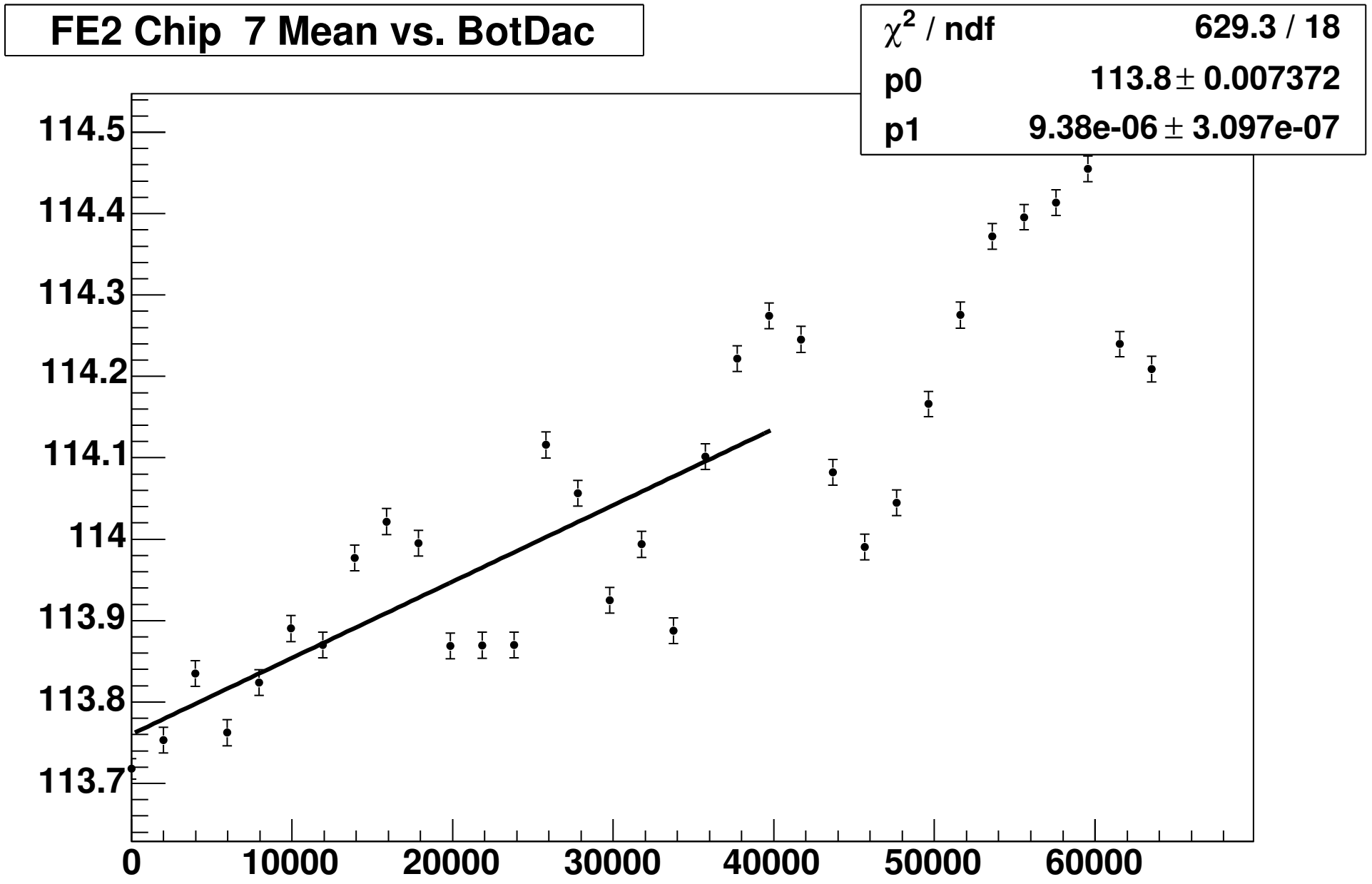
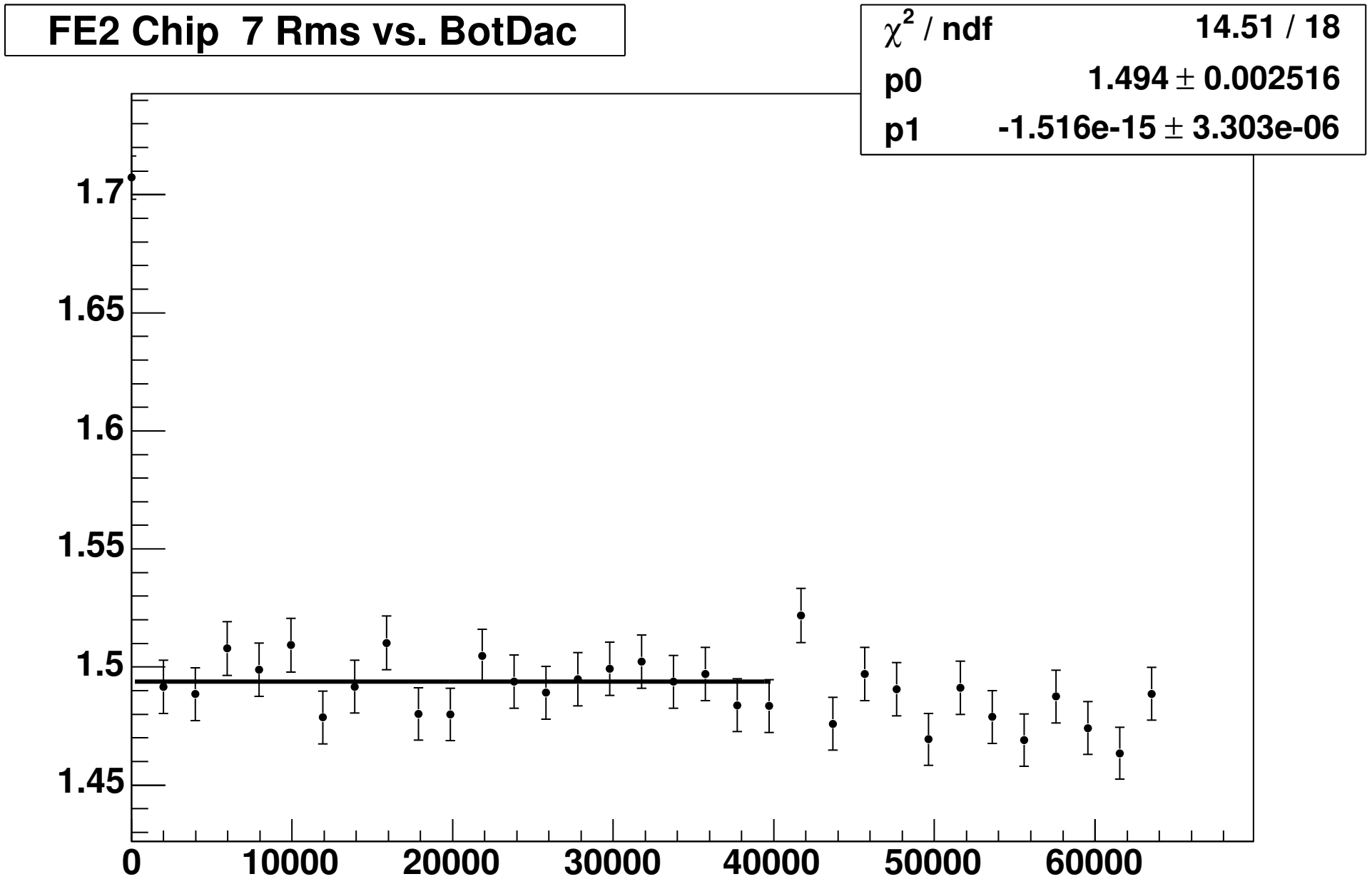
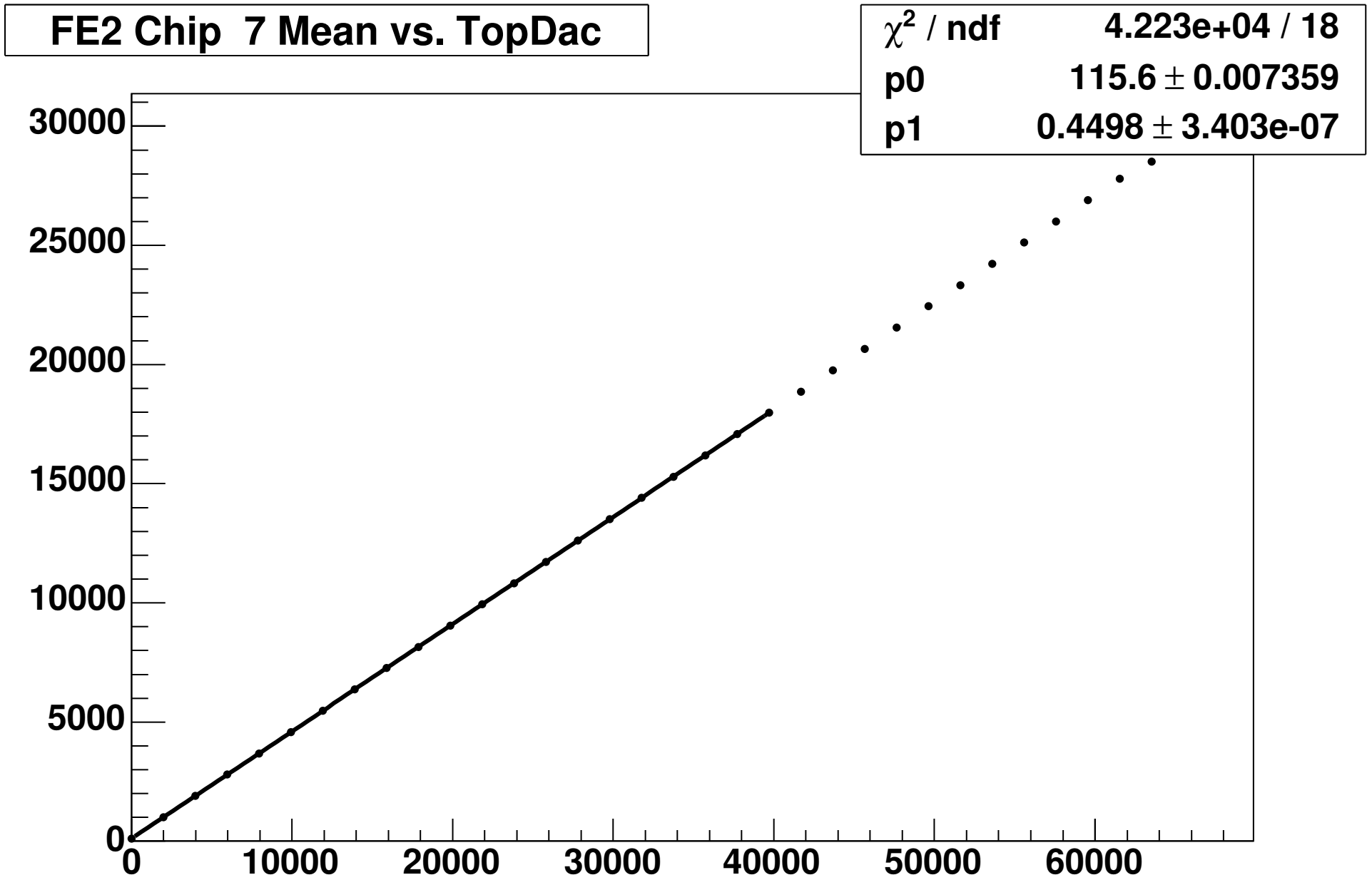
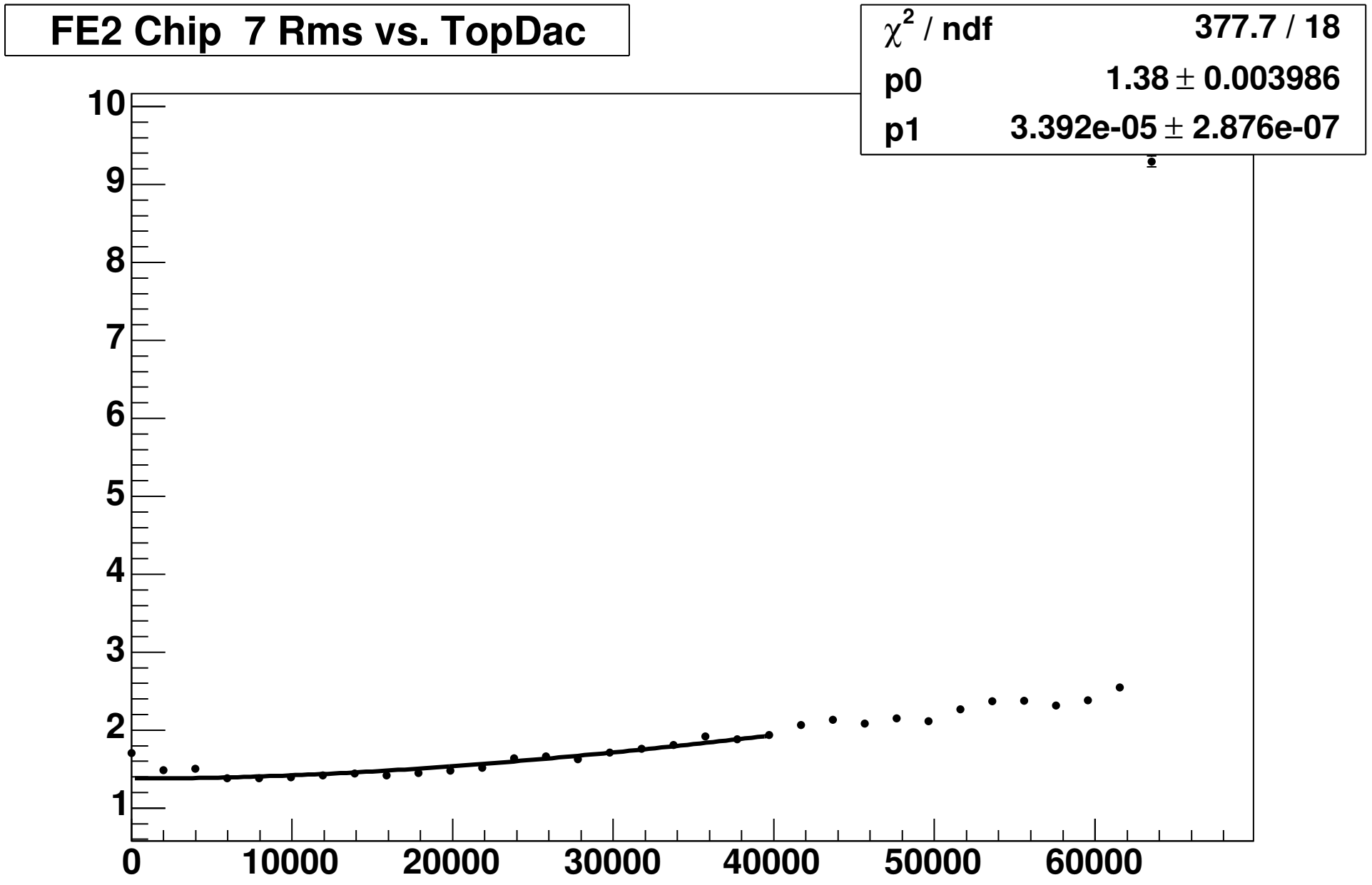
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

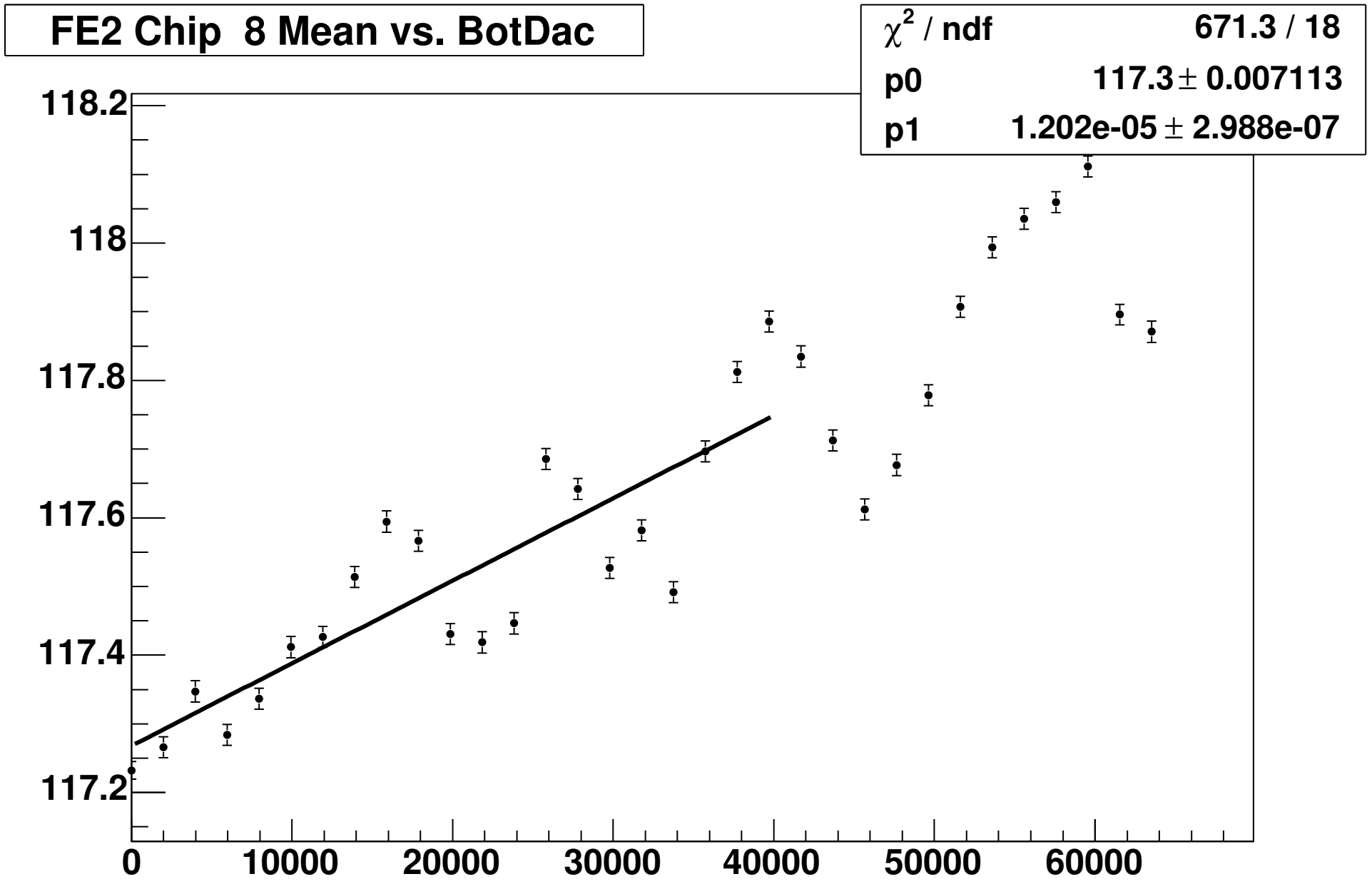

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 324.5 / 18
p0 1.357 ± 0.003936
p1 3.389e-05 ± 2.815e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

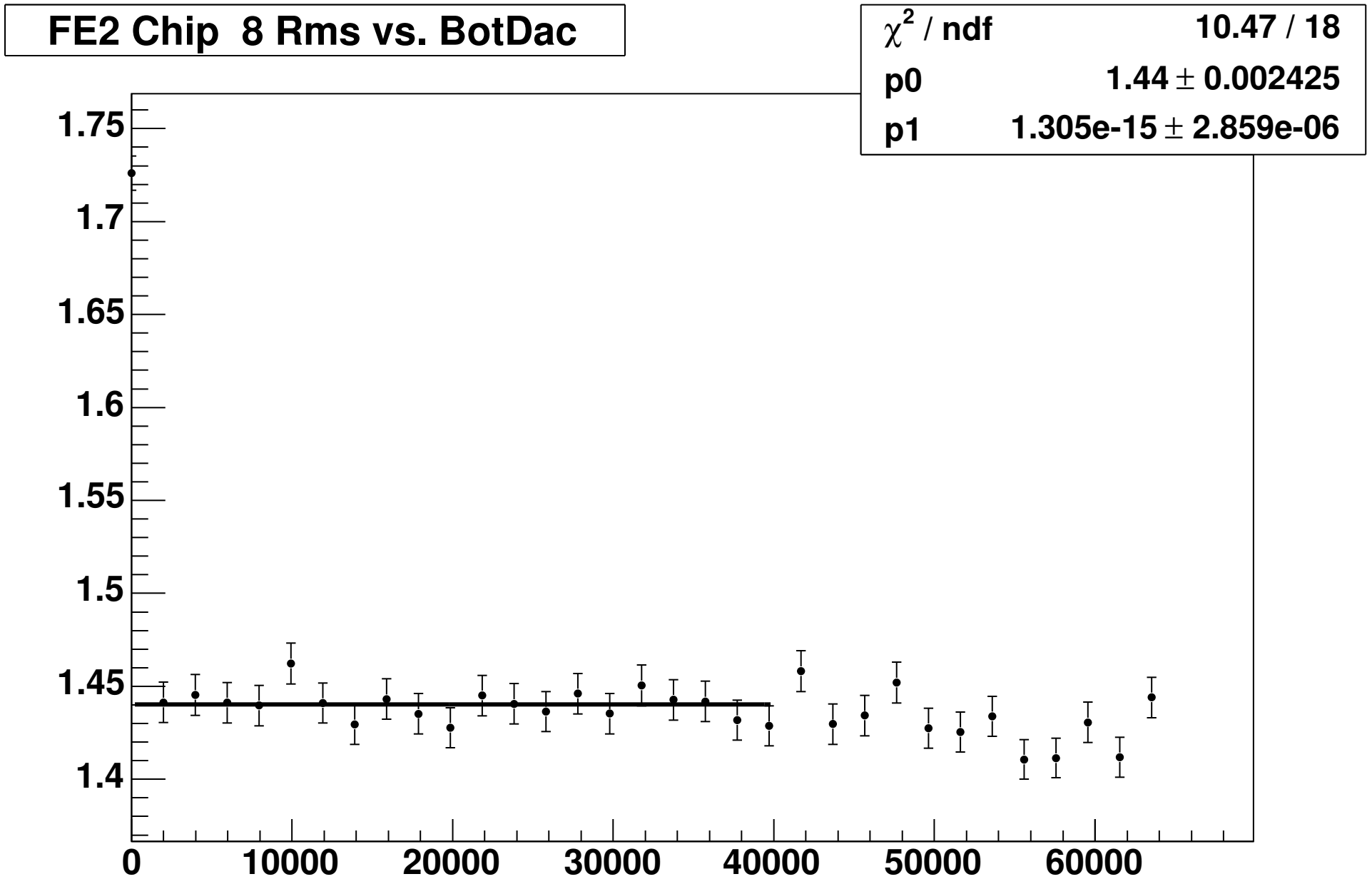

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 629.3 / 18
p0 113.8 ± 0.007372
p1 9.38e-06 ± 3.097e-07
114.5
114.4
114.3
114.2
114.1
114
113.9
113.8
113.7
0
10000
20000
30000
40000
50000
60000

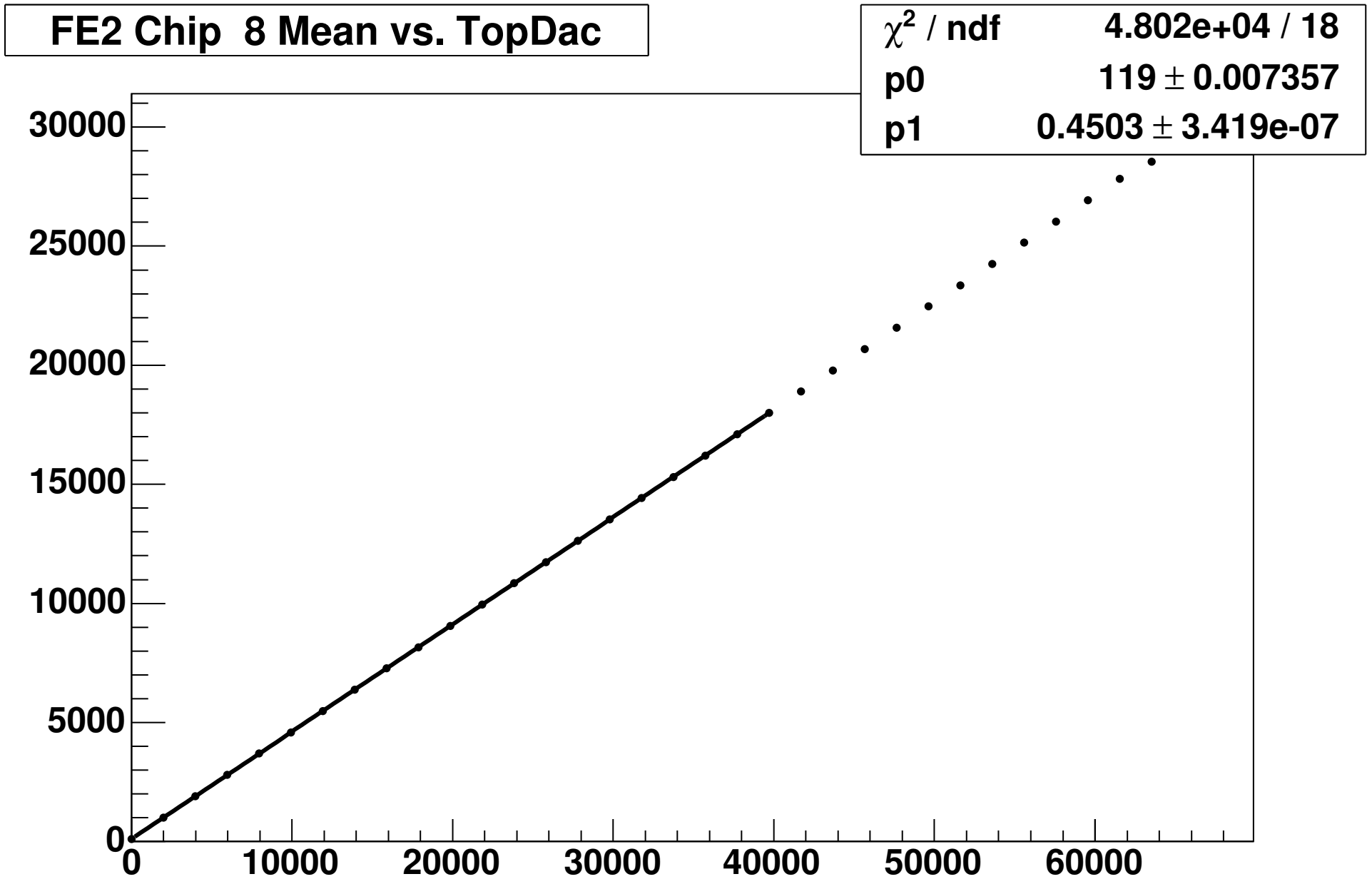

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 14.51 / 18
p0 1.494 ± 0.002516
p1 -1.516e-15 ± 3.303e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

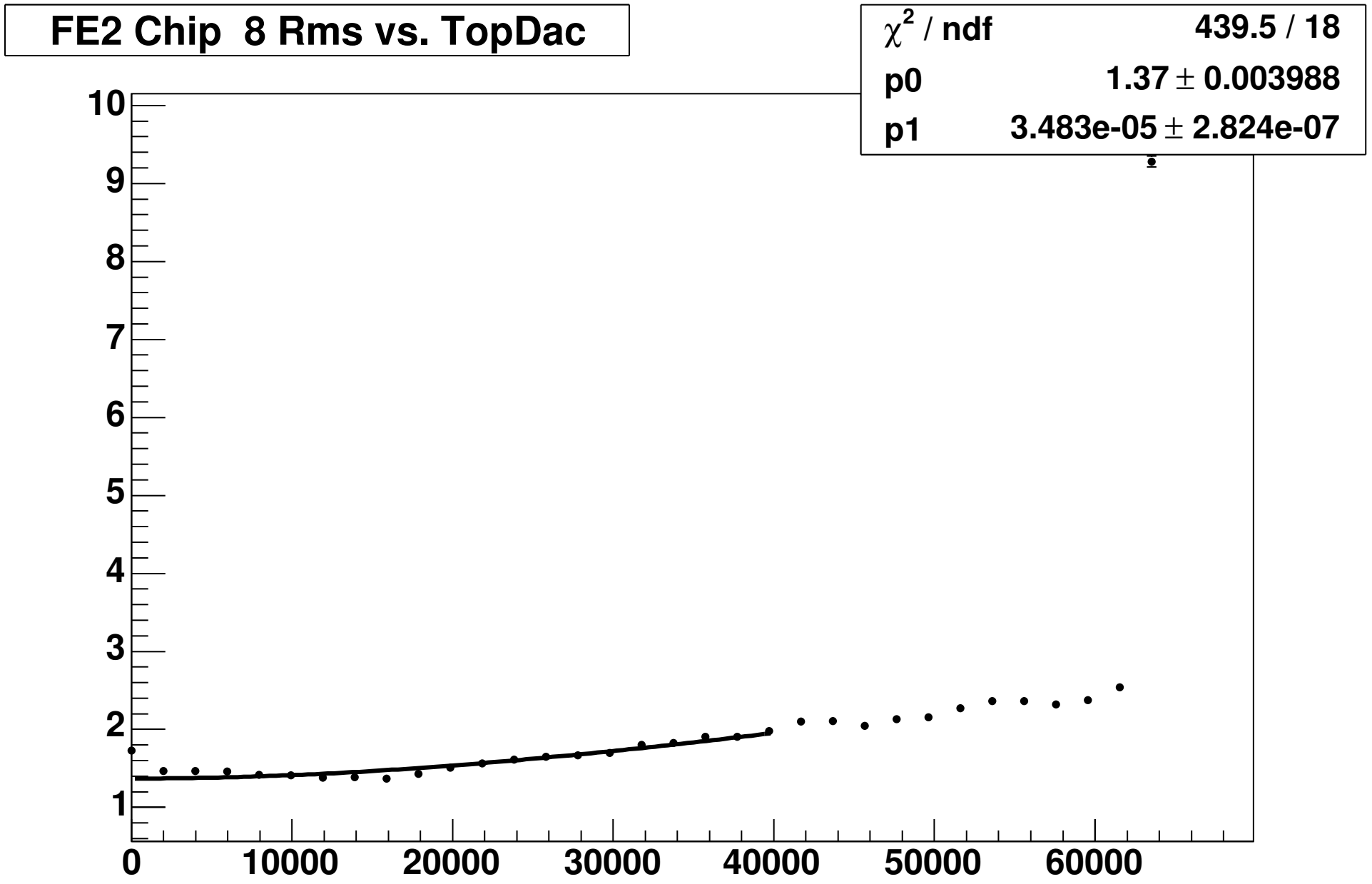

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 4.223e+04 / 18
p0 115.6 ± 0.007359
p1 0.4498 ± 3.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

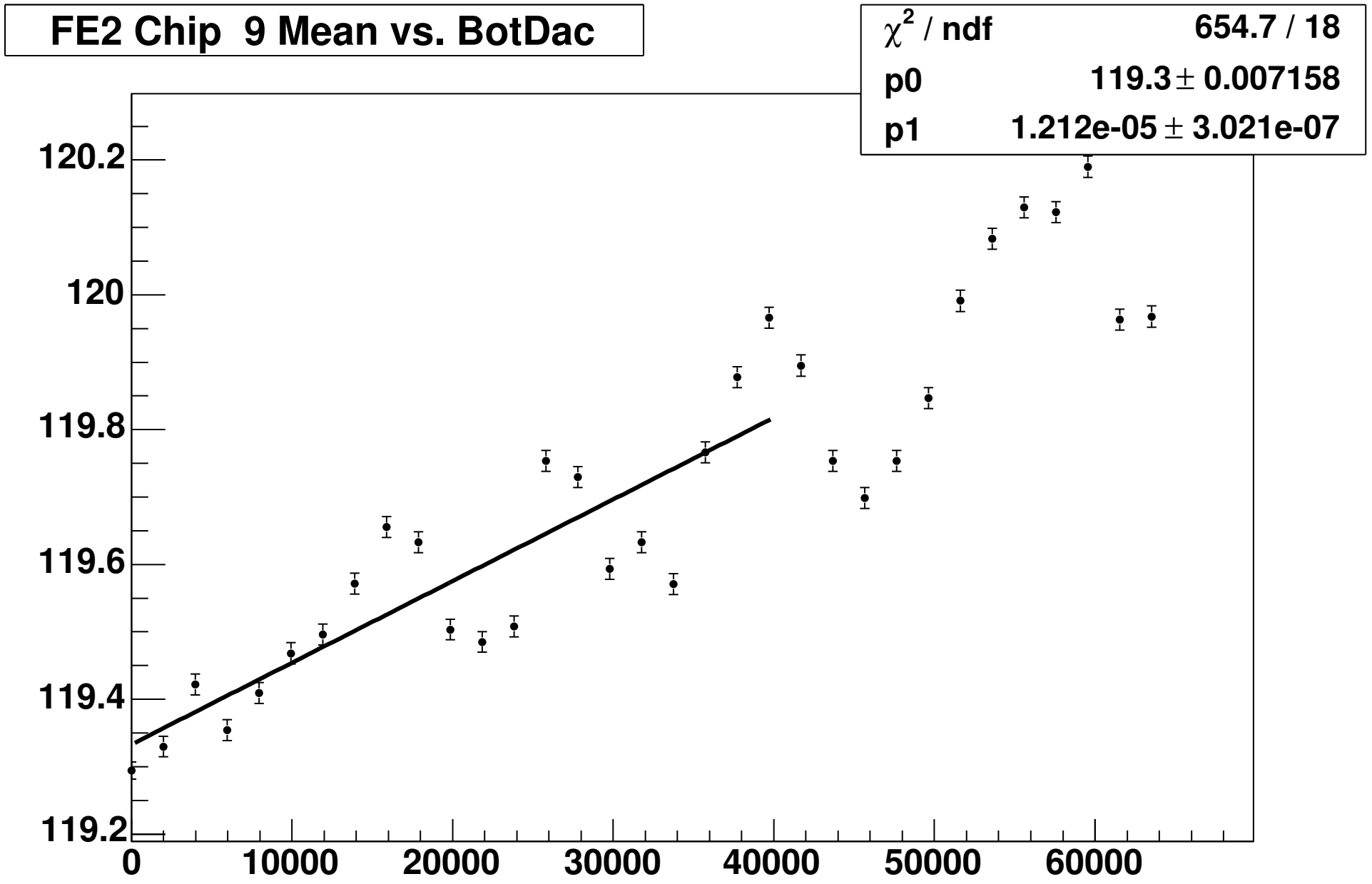

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 377.7 / 18
p0 1.38 ± 0.003986
p1 3.392e-05 ± 2.876e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

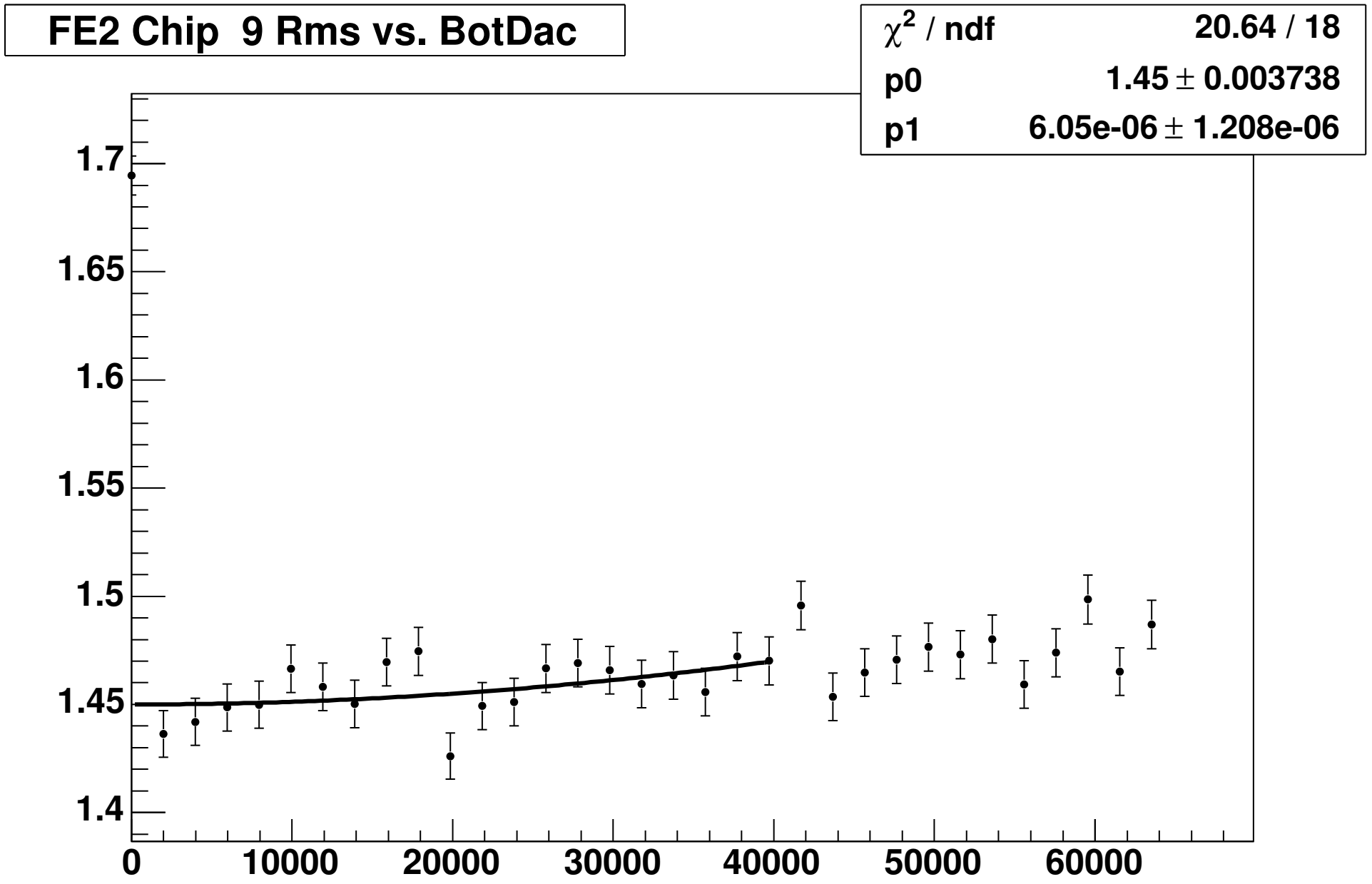

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 671.3 / 18
p0 117.3 ± 0.007113
p1 1.202e-05 ± 2.988e-07
118.2
118
117.8
117.6
117.4
117.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 10.47 / 18
p0 1.44 ± 0.002425
p1 1.305e-15 ± 2.859e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 4.802e+04 / 18
p0 119 ± 0.007357
p1 0.4503 ± 3.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 439.5 / 18
p0 1.37 ± 0.003988
p1 3.483e-05 ± 2.824e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 654.7 / 18
p0 119.3 ± 0.007158
p1 1.212e-05 ± 3.021e-07
120.2
120
119.8
119.6
119.4
119.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 20.64 / 18
p0 1.45 ± 0.003738
p1 6.05e-06 ± 1.208e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
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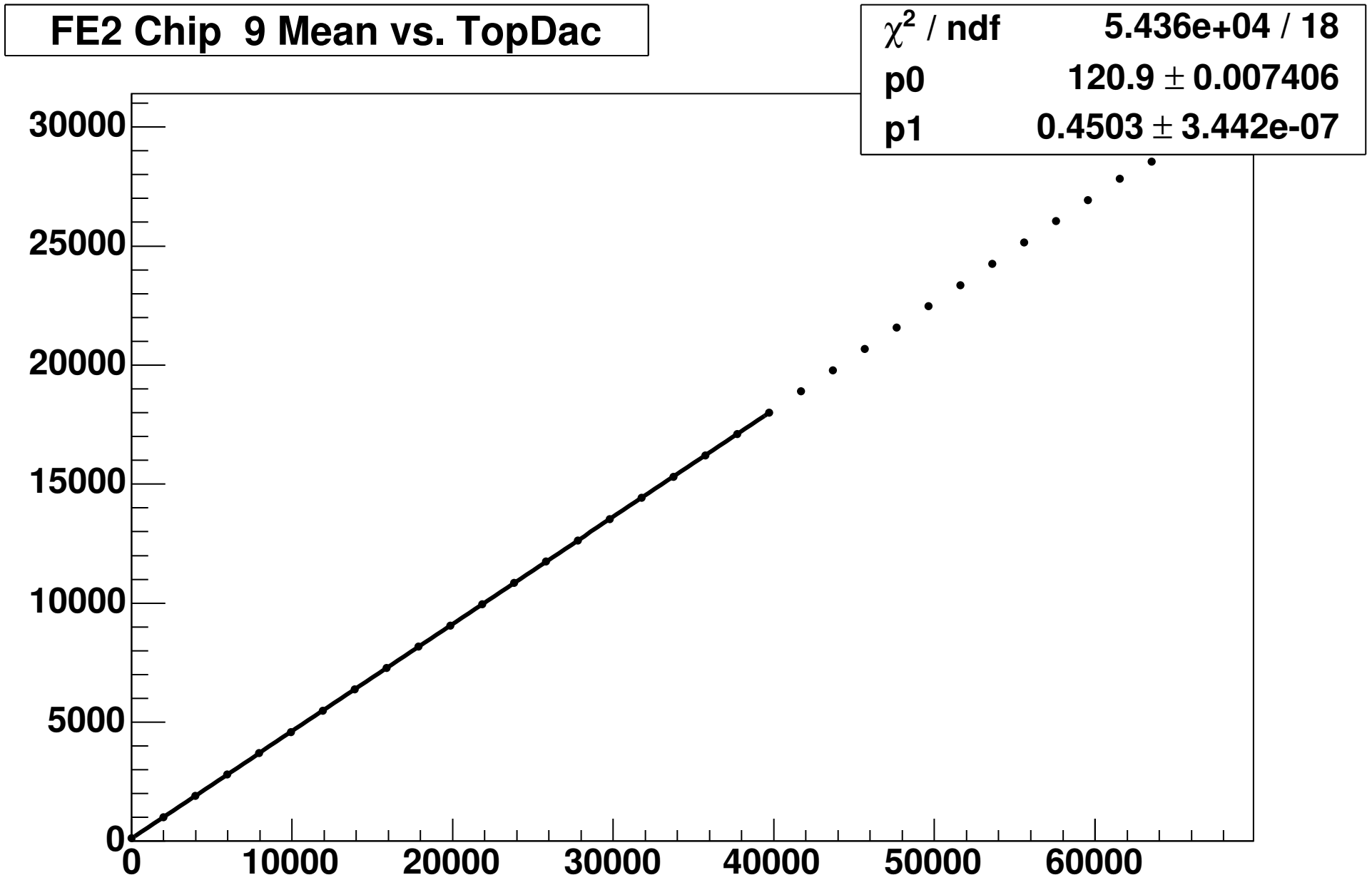
50000
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 5.436e+04 / 18
p0 120.9 ± 0.007406
p1 0.4503 ± 3.442e-07
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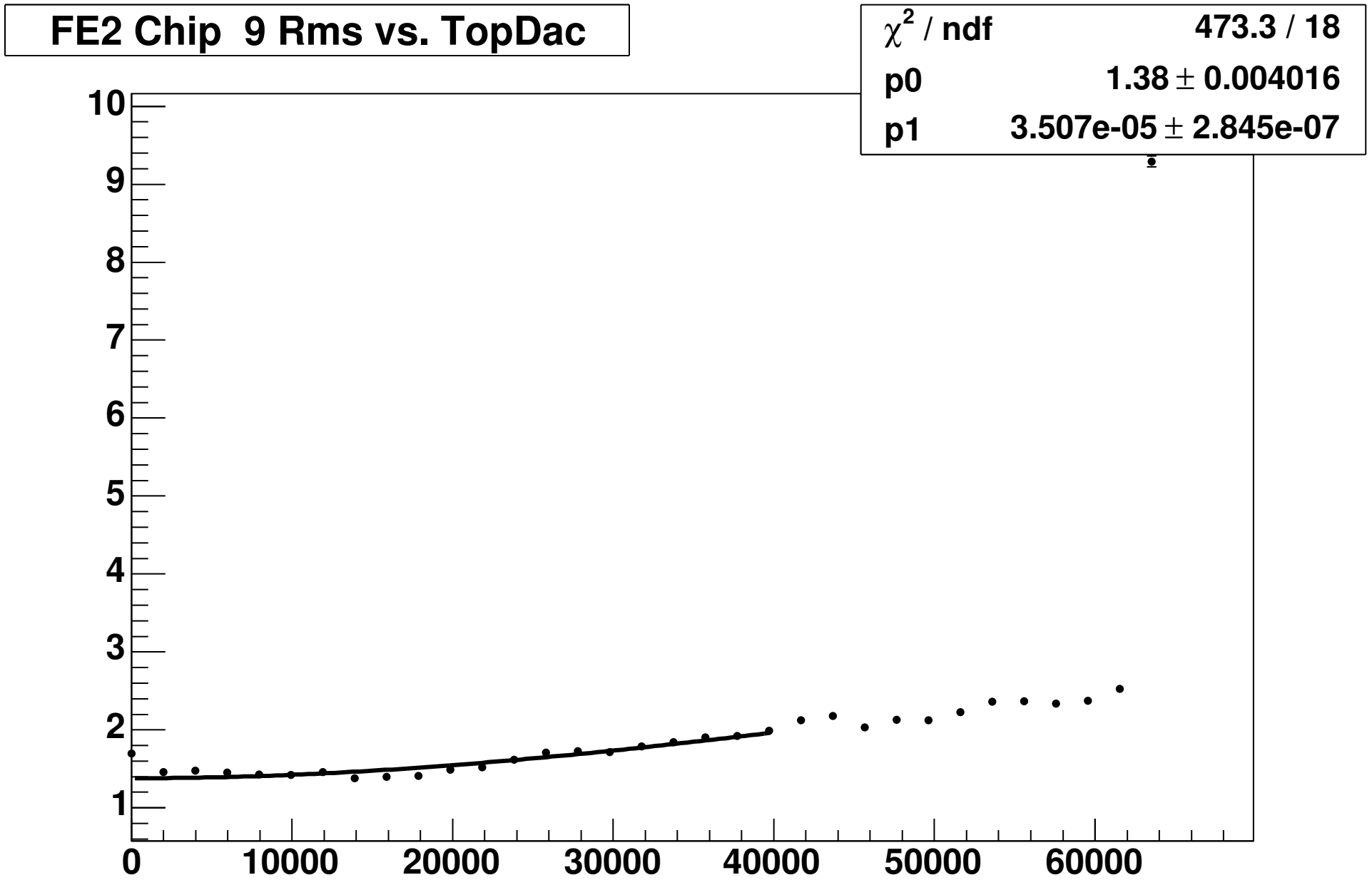
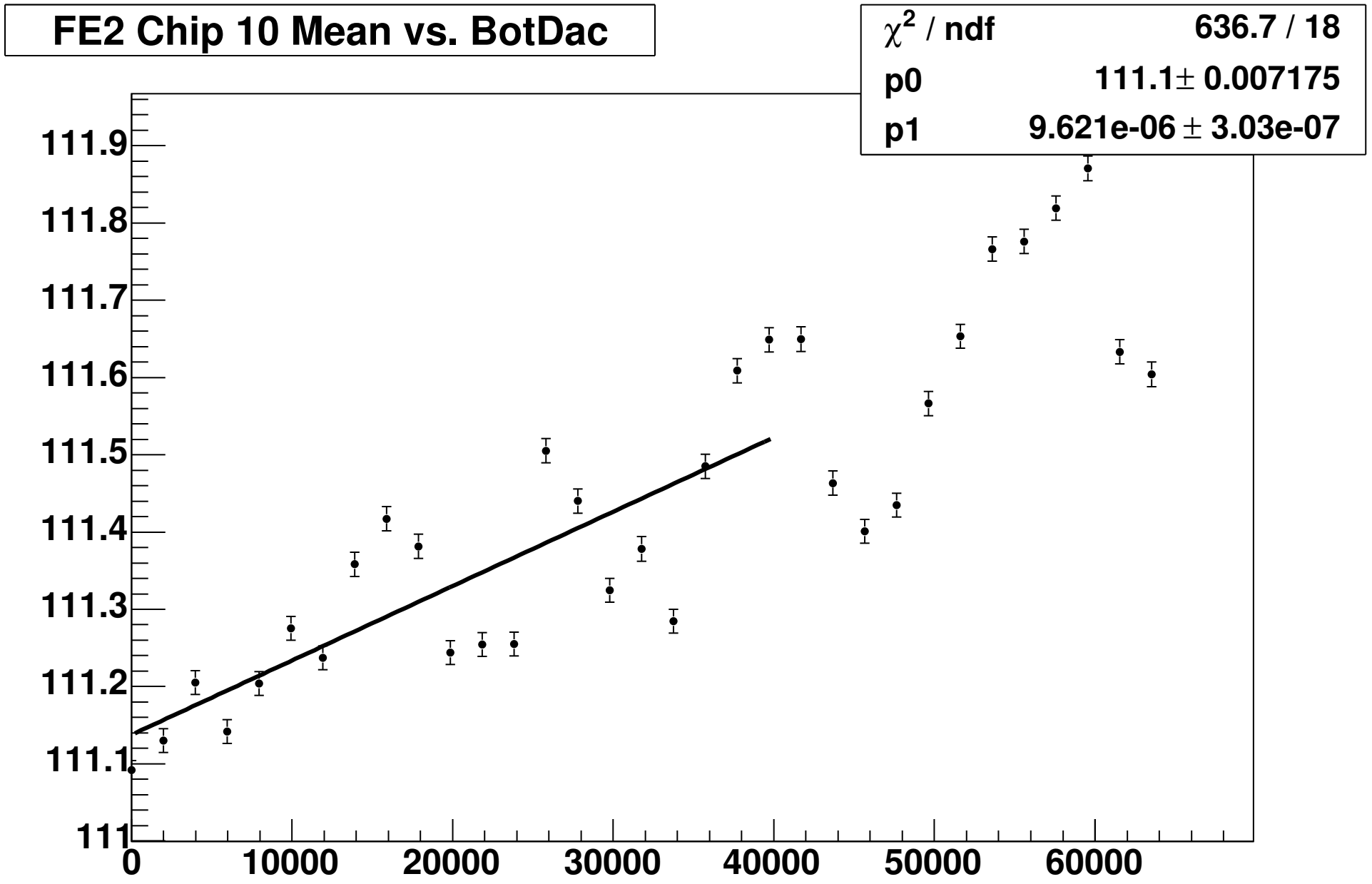
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 473.3 / 18
p0 1.38 ± 0.004016
p1 3.507e-05 ± 2.845e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 636.7 / 18
p0 111.1 ± 0.007175
p1 9.621e-06 ± 3.03e-07
111.9
111.8
111.7
111.6
111.5
111.4
111.3
111.2
111.1
111
0
10000
20000
30000
40000
50000
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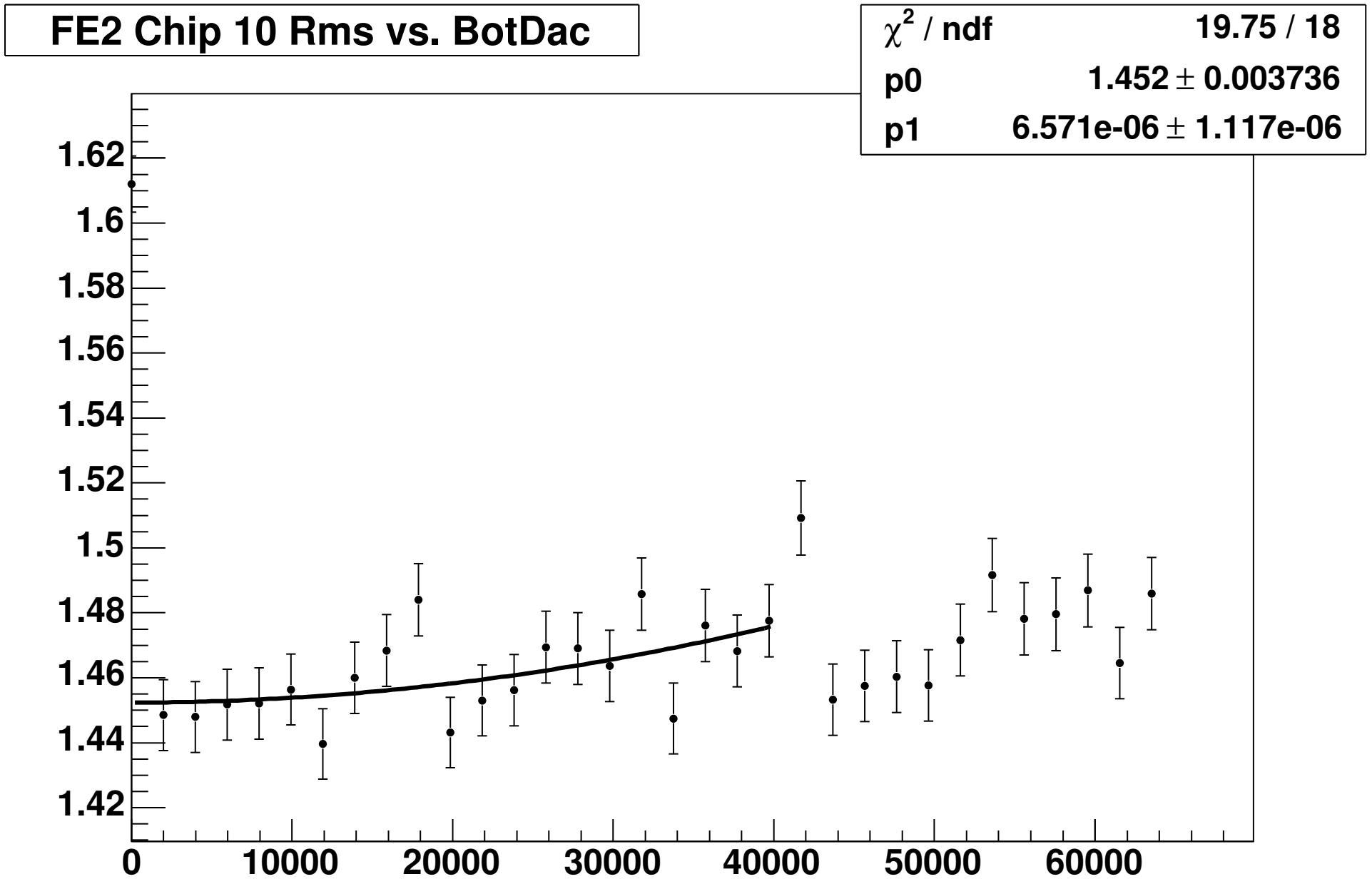
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 19.75 / 18
p0 1.452 ± 0.003736
p1 6.571e-06 ± 1.117e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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50000
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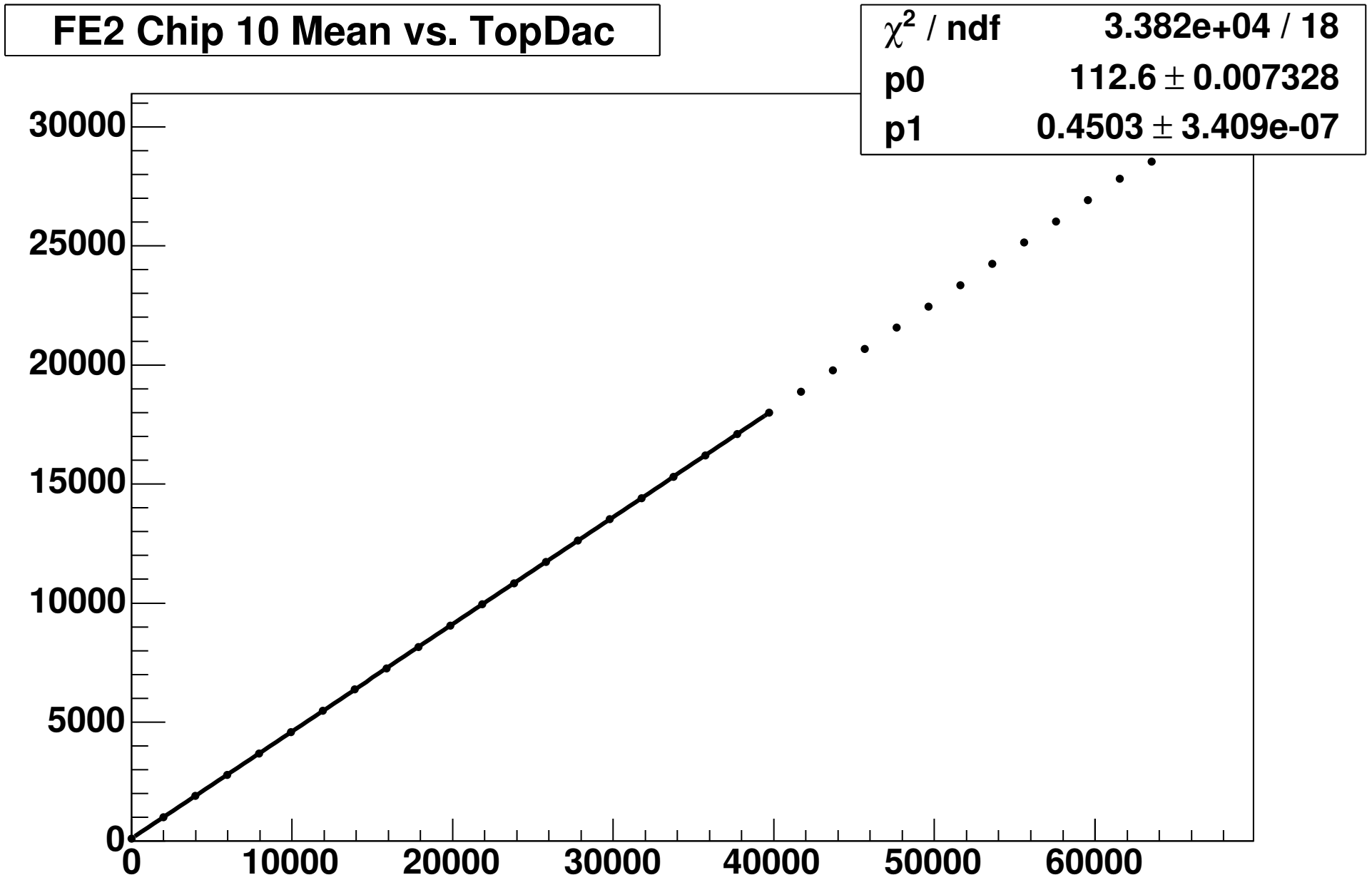
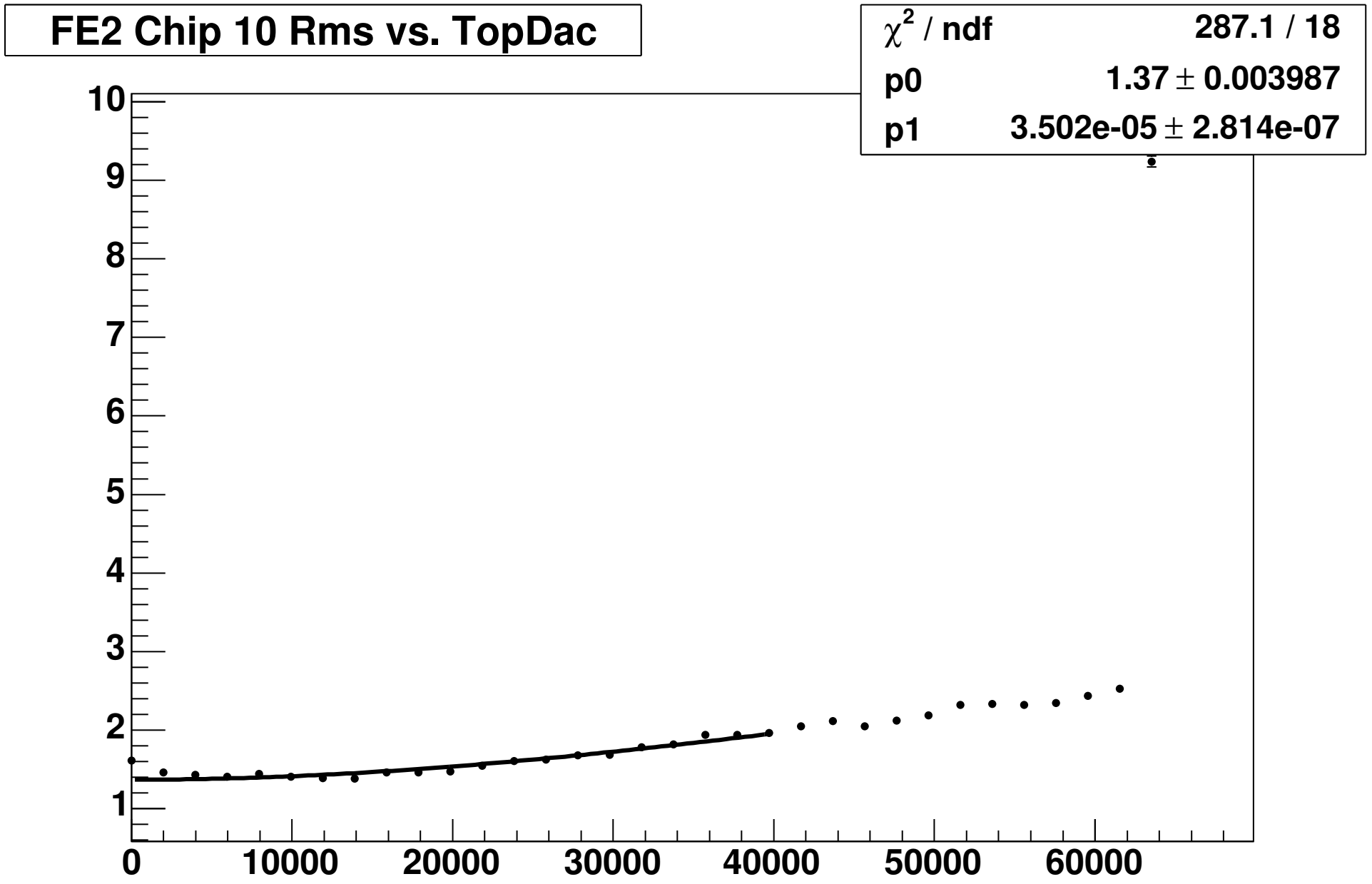
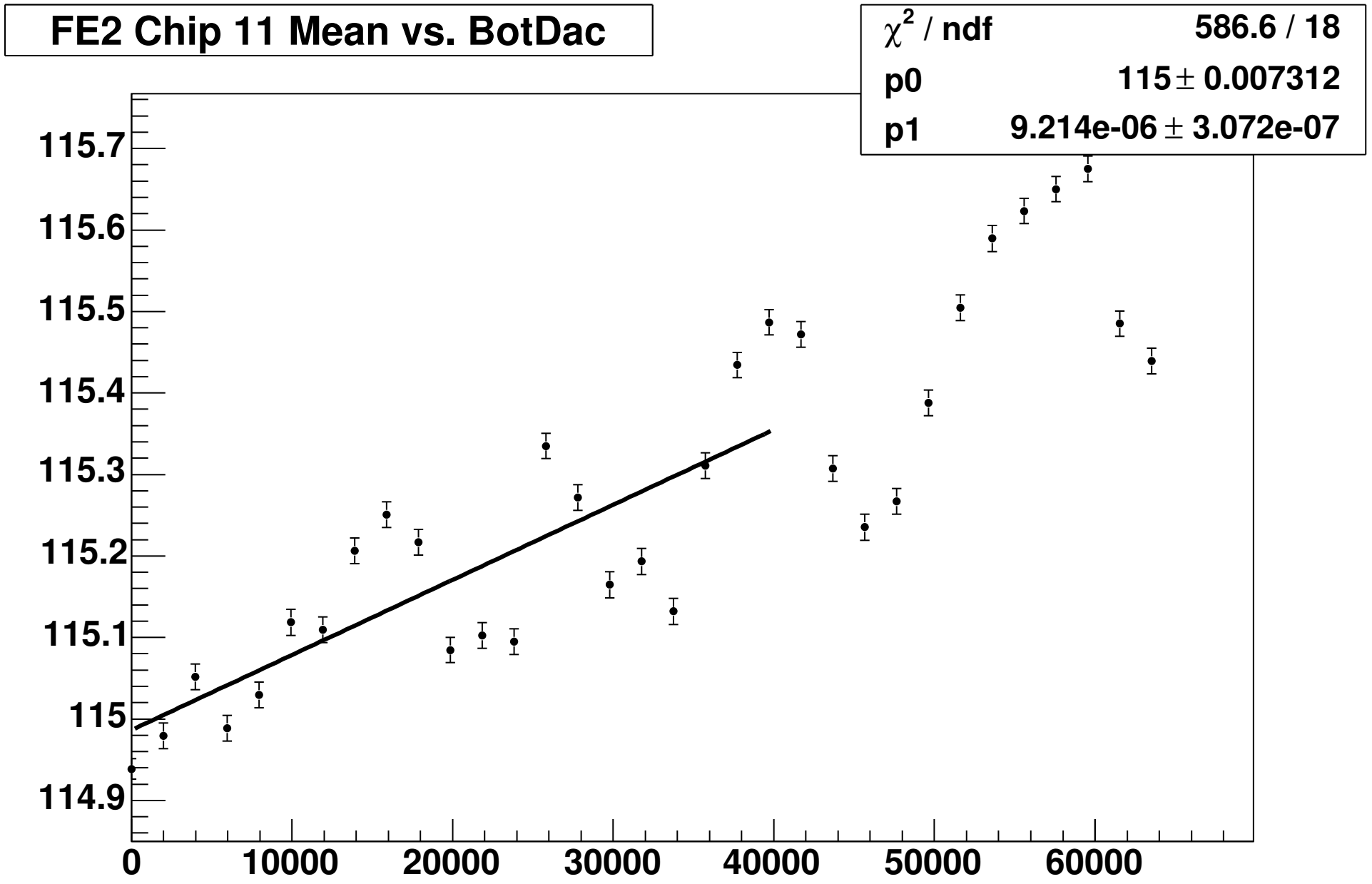
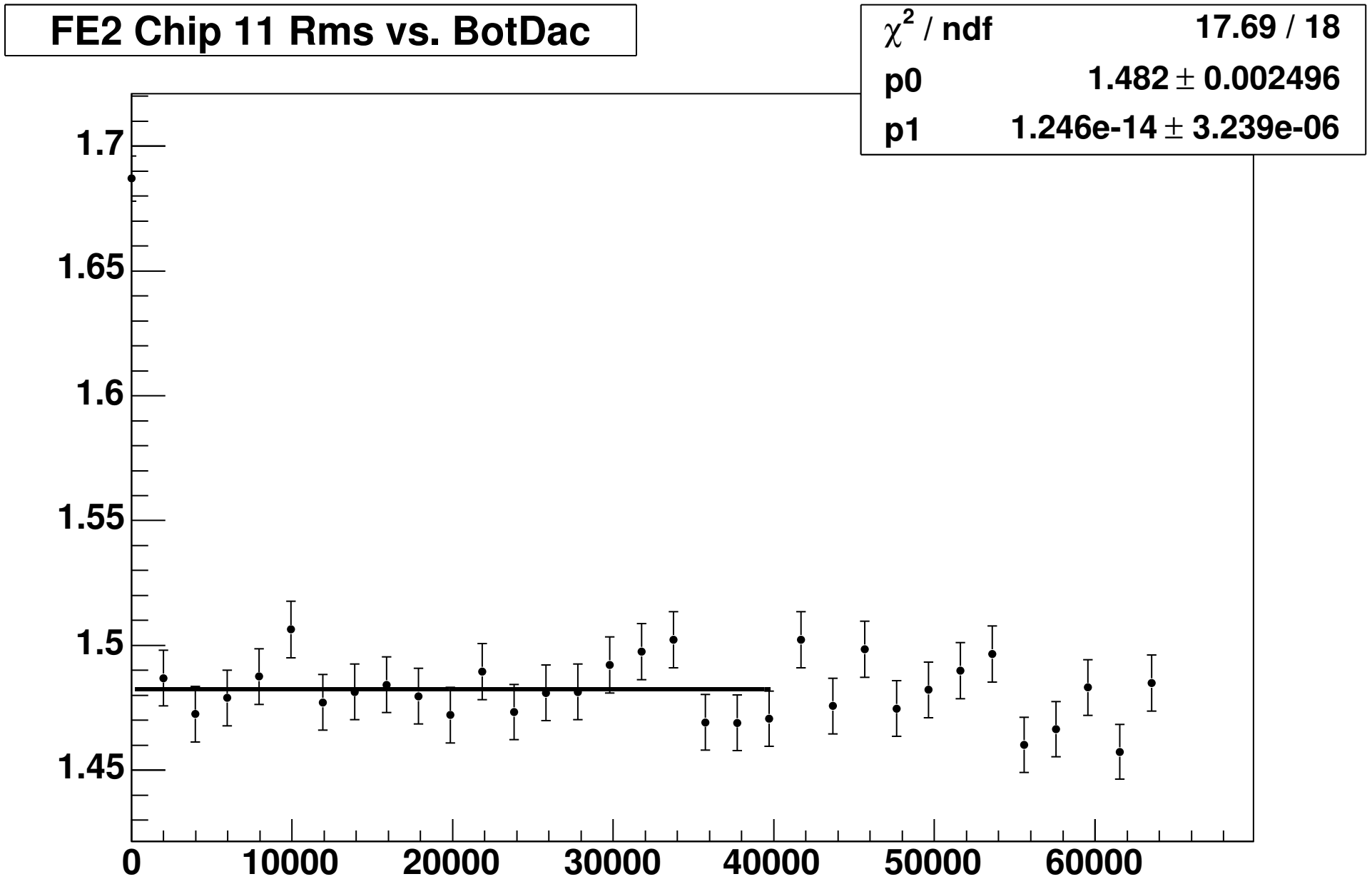
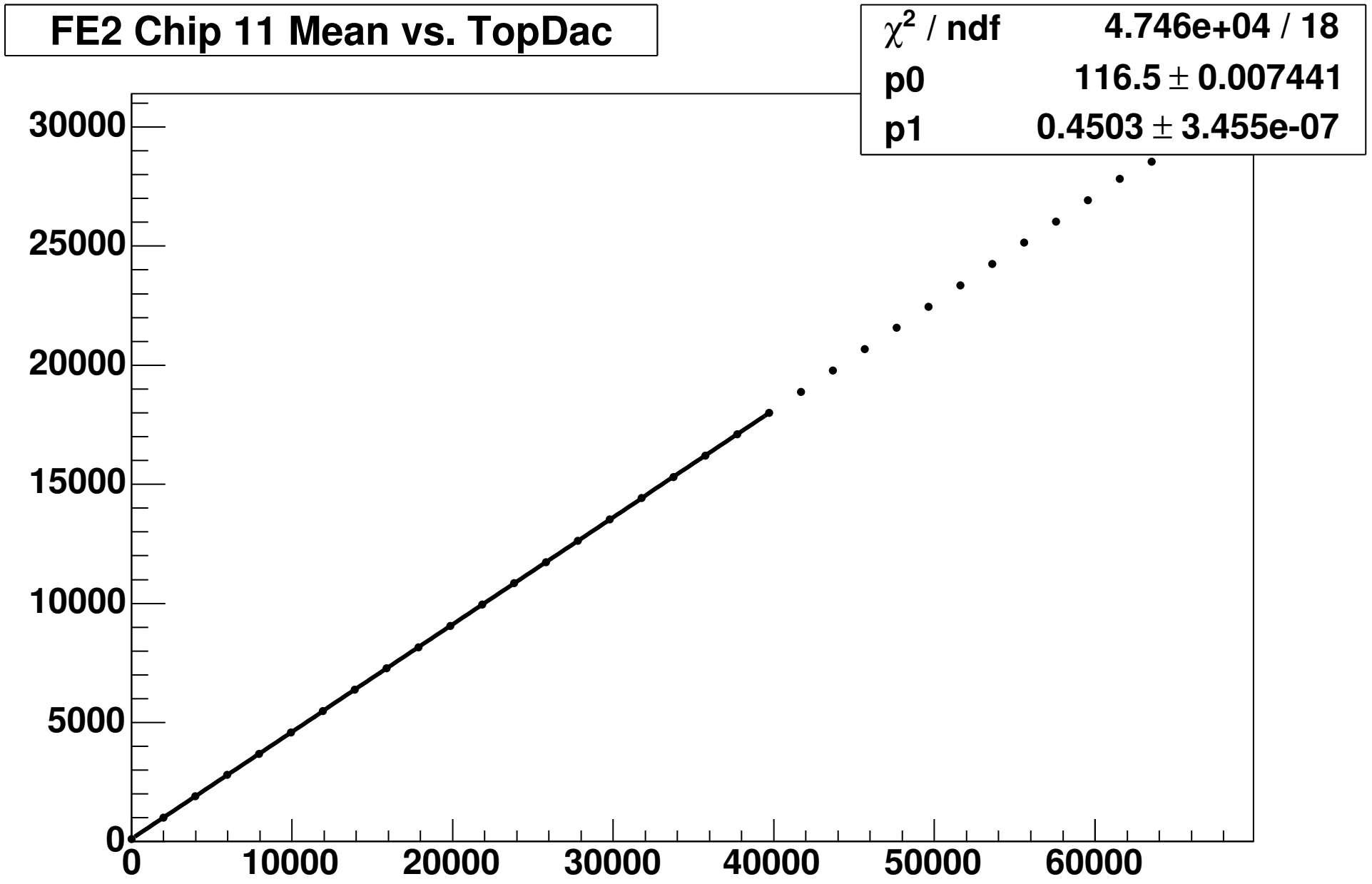
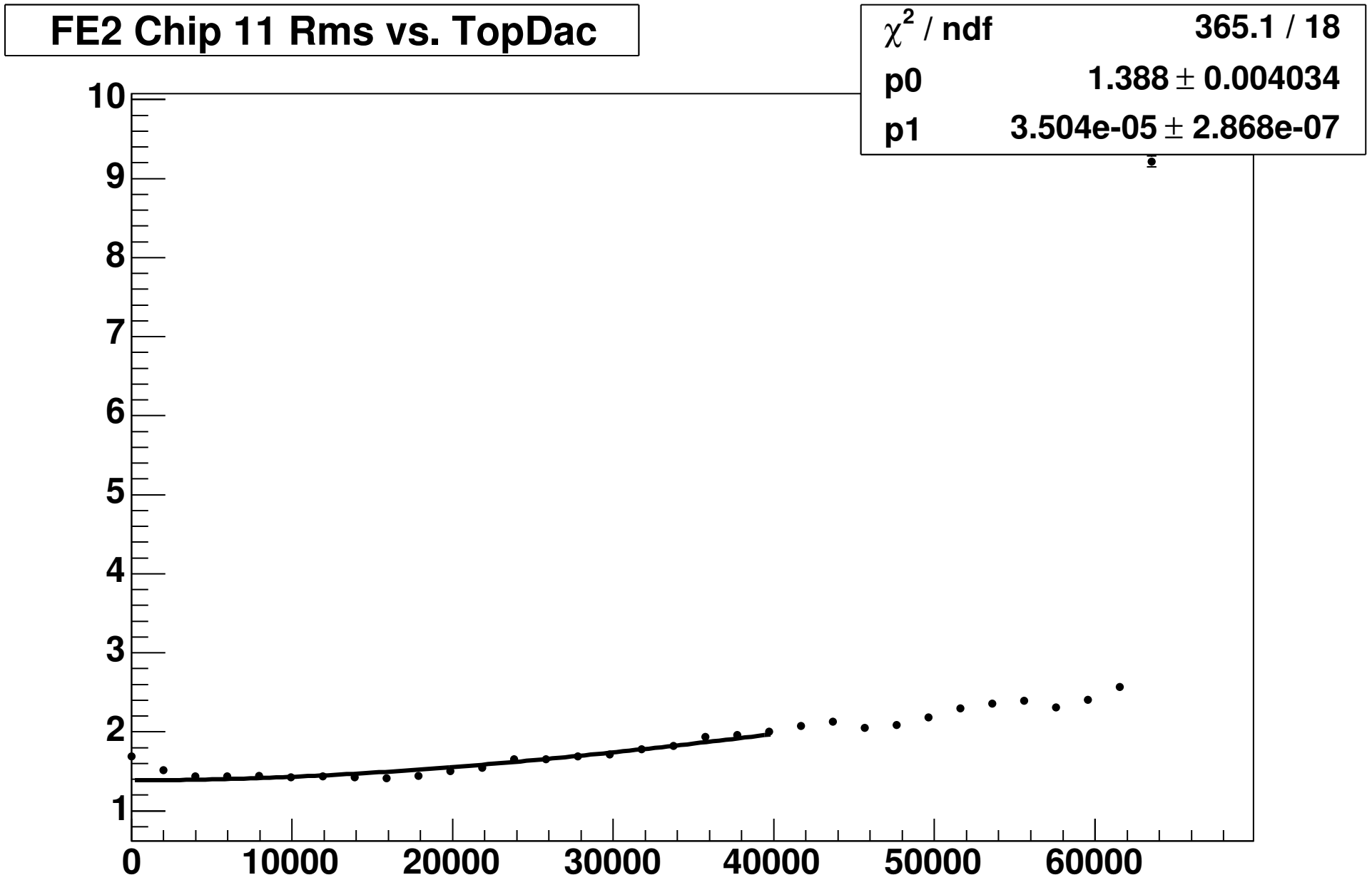

FE2 Chip 10 Mean vs. TopDac
χ² / ndf 3.382e+04 / 18
p0 112.6 ± 0.007328
p1 0.4503 ± 3.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

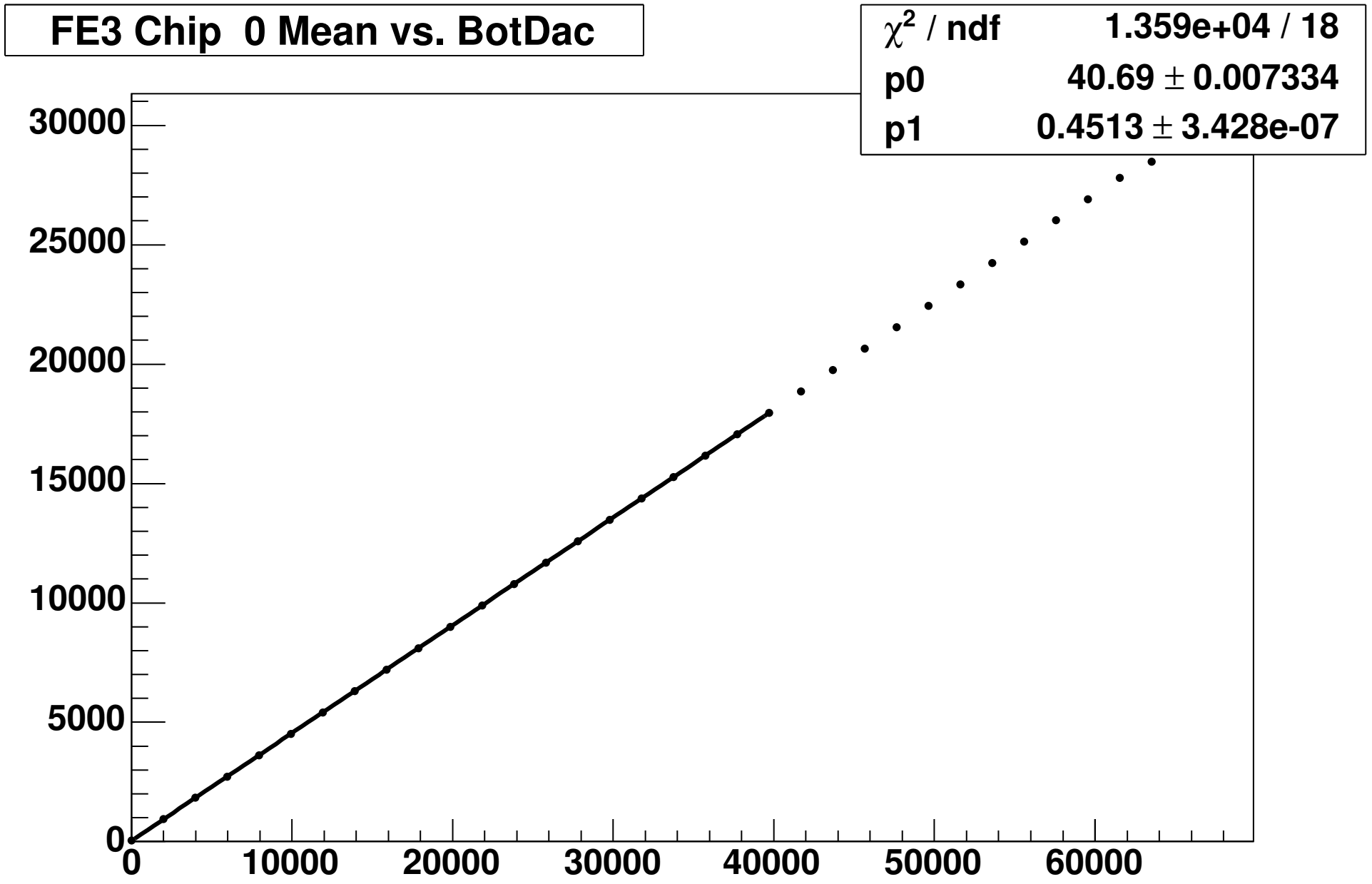

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 287.1 / 18
p0 1.37 ± 0.003987
p1 3.502e-05 ± 2.814e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

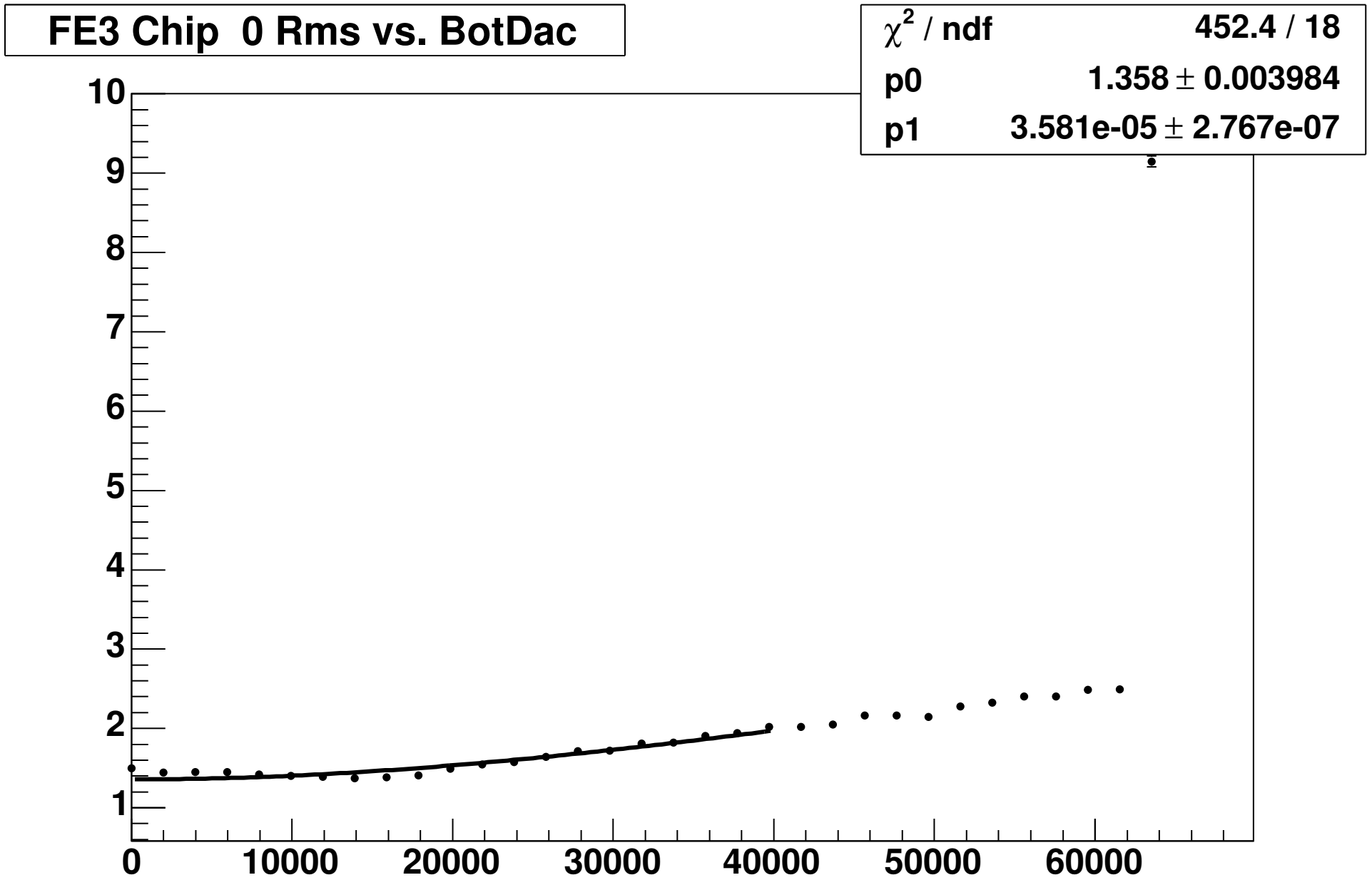

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 586.6 / 18
p0 115 ± 0.007312
p1 9.214e-06 ± 3.072e-07
115.7
115.6
115.5
115.4
115.3
115.2
115.1
115
114.9
0
10000
20000
30000
40000
50000
60000

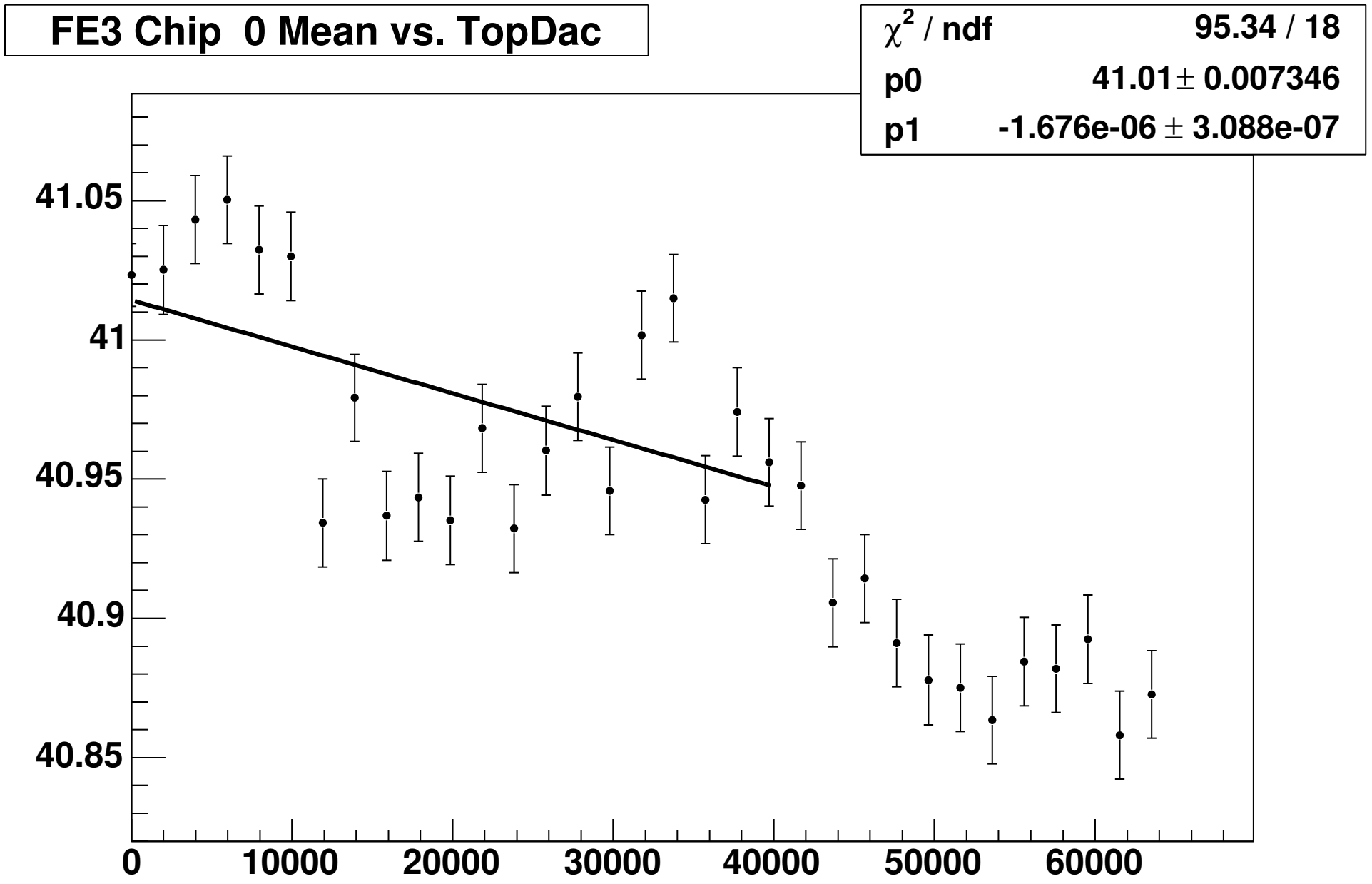

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 17.69 / 18
p0 1.482 ± 0.002496
p1 1.246e-14 ± 3.239e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

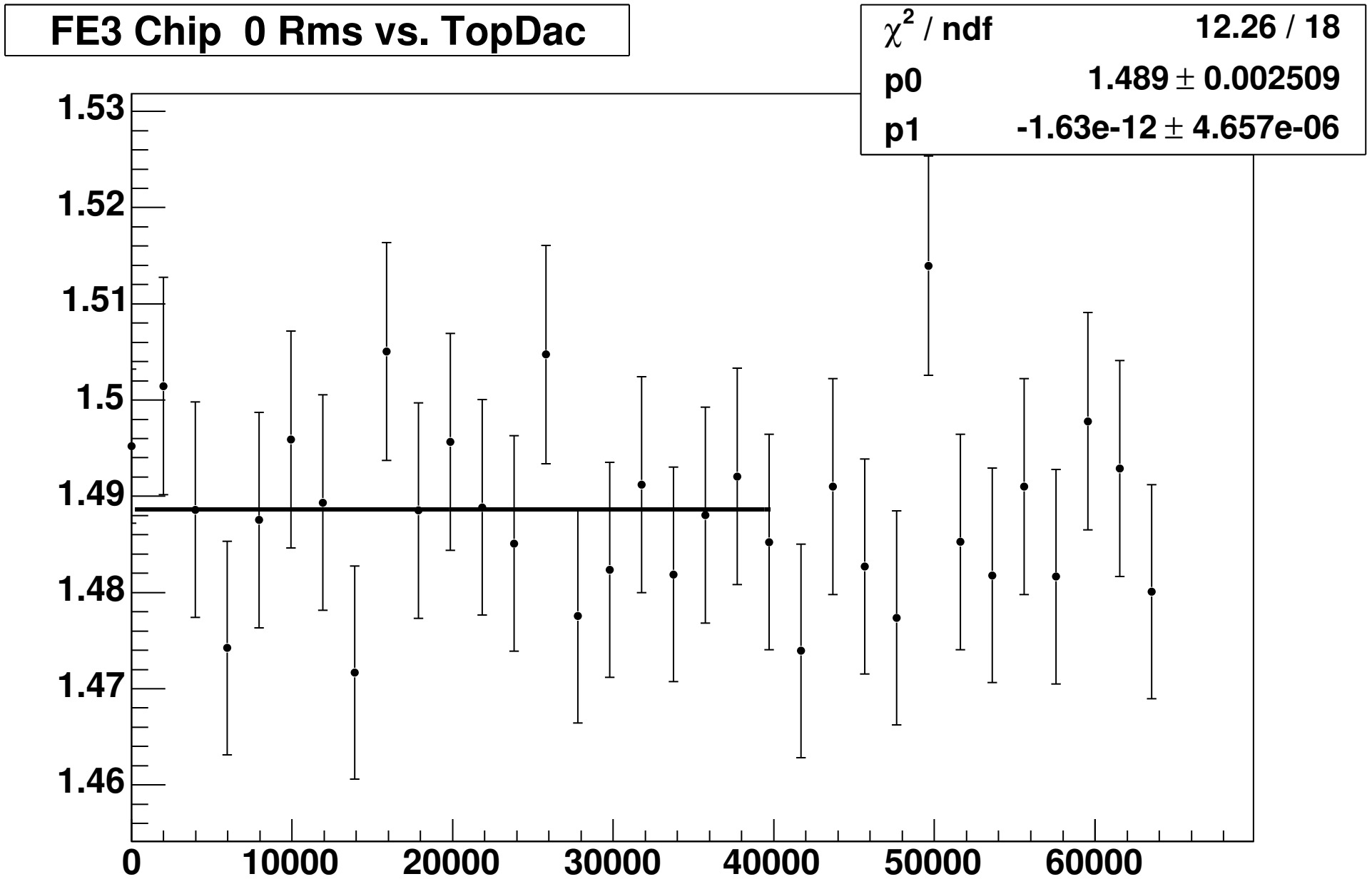

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 4.746e+04 / 18
p0 116.5 ± 0.007441
p1 0.4503 ± 3.455e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

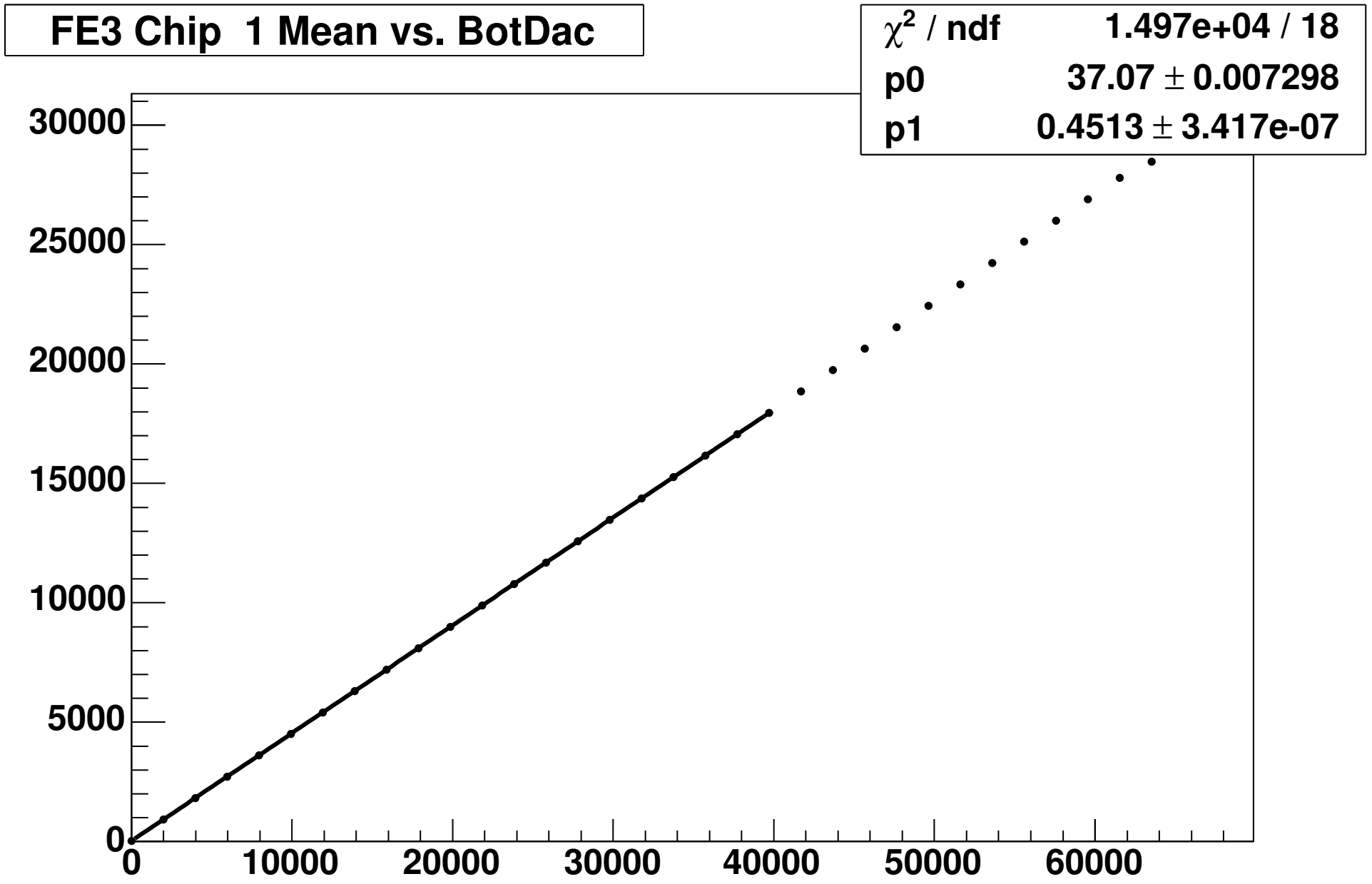

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 365.1 / 18
p0 1.388 ± 0.004034
p1 3.504e-05 ± 2.868e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

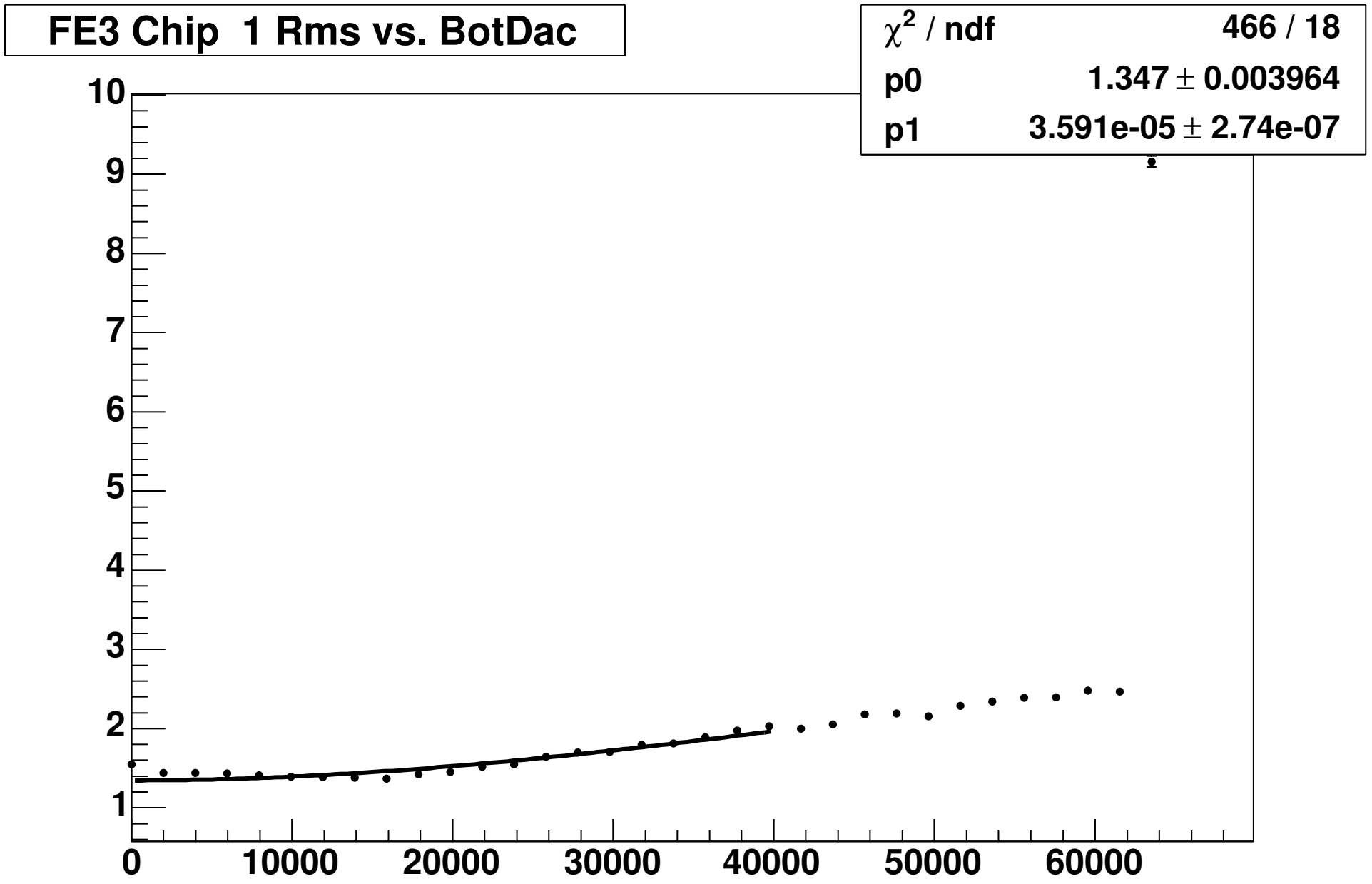

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.359e+04 / 18
p0 40.69 ± 0.007334
p1 0.4513 ± 3.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

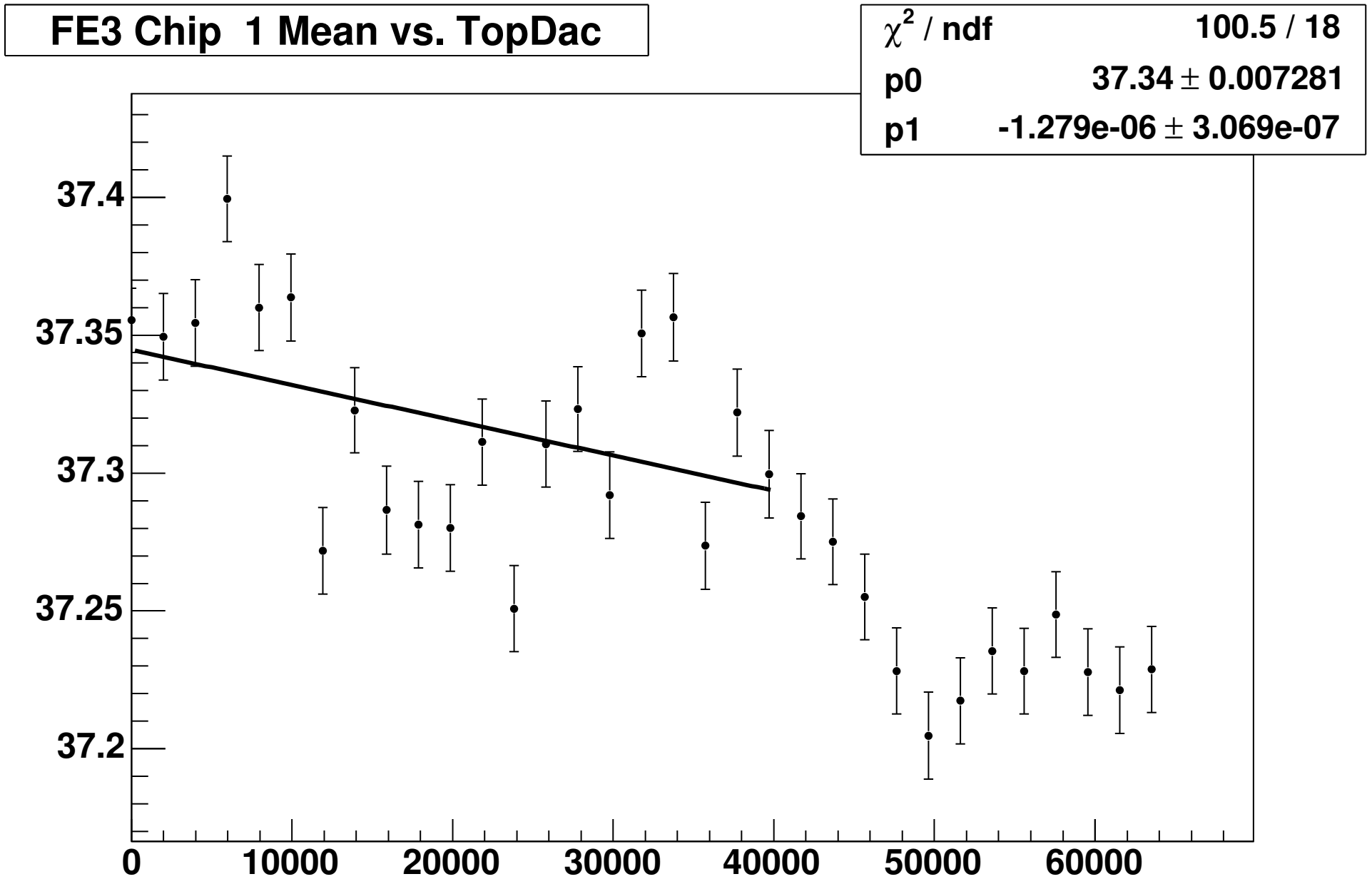

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 452.4 / 18
p0 1.358 ± 0.003984
p1 3.581e-05 ± 2.767e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

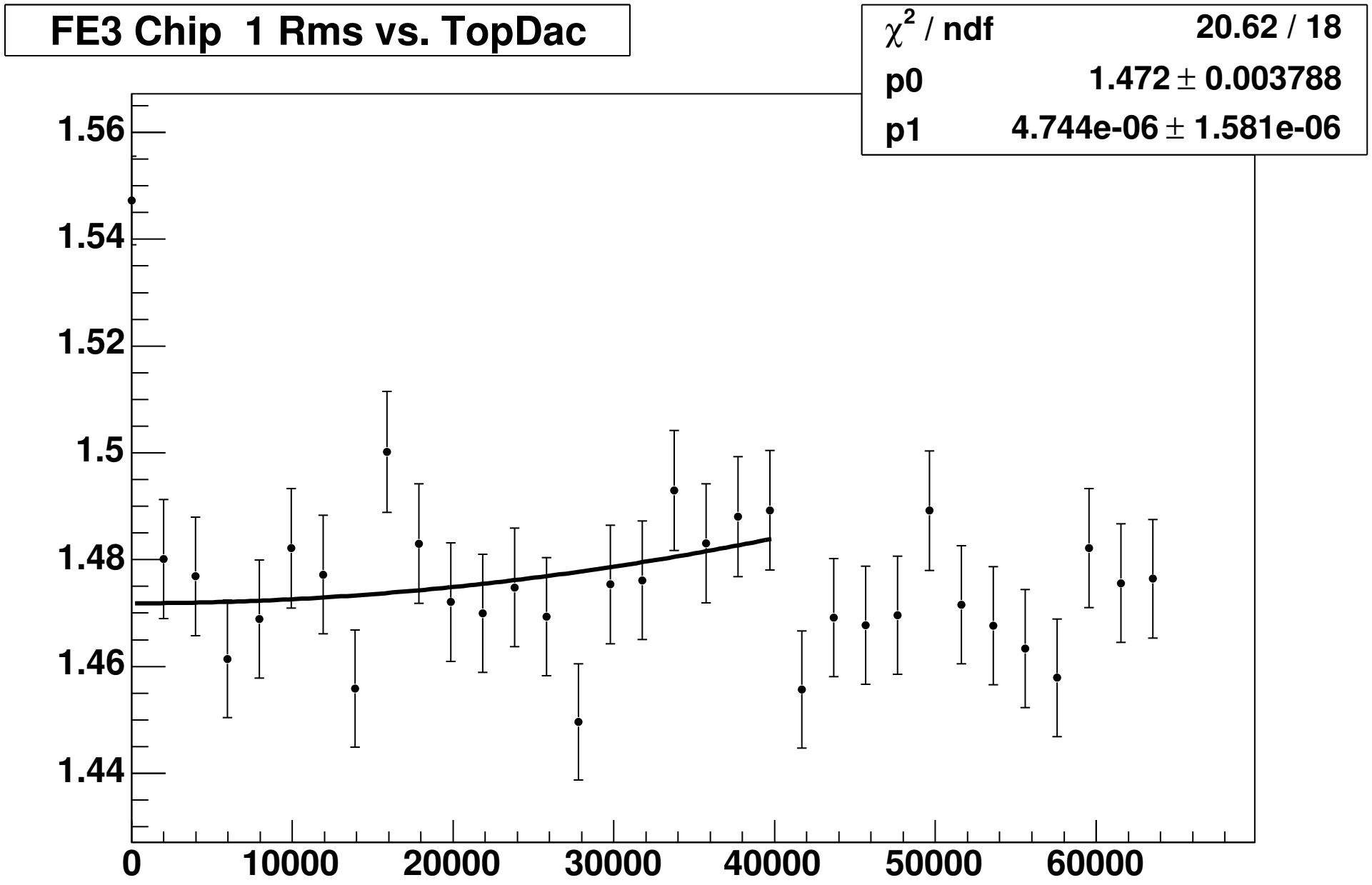

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 95.34 / 18
p0 41.01 ± 0.007346
p1 -1.676e-06 ± 3.088e-07
41.05
41
40.95
40.9
40.85
0
10000
20000
30000
40000
50000
60000

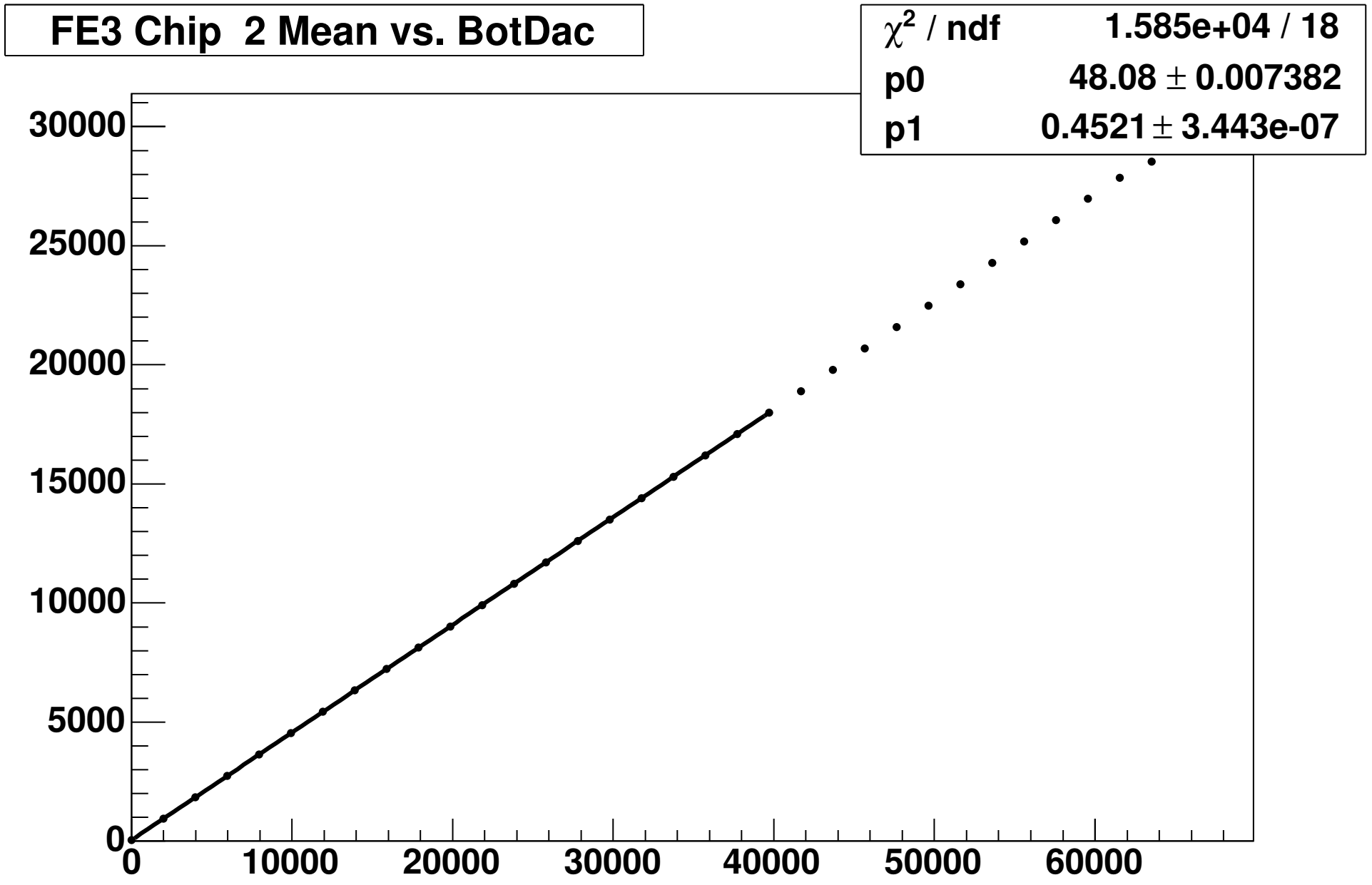

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 12.26 / 18
p0 1.489 ± 0.002509
p1 -1.63e-12 ± 4.657e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

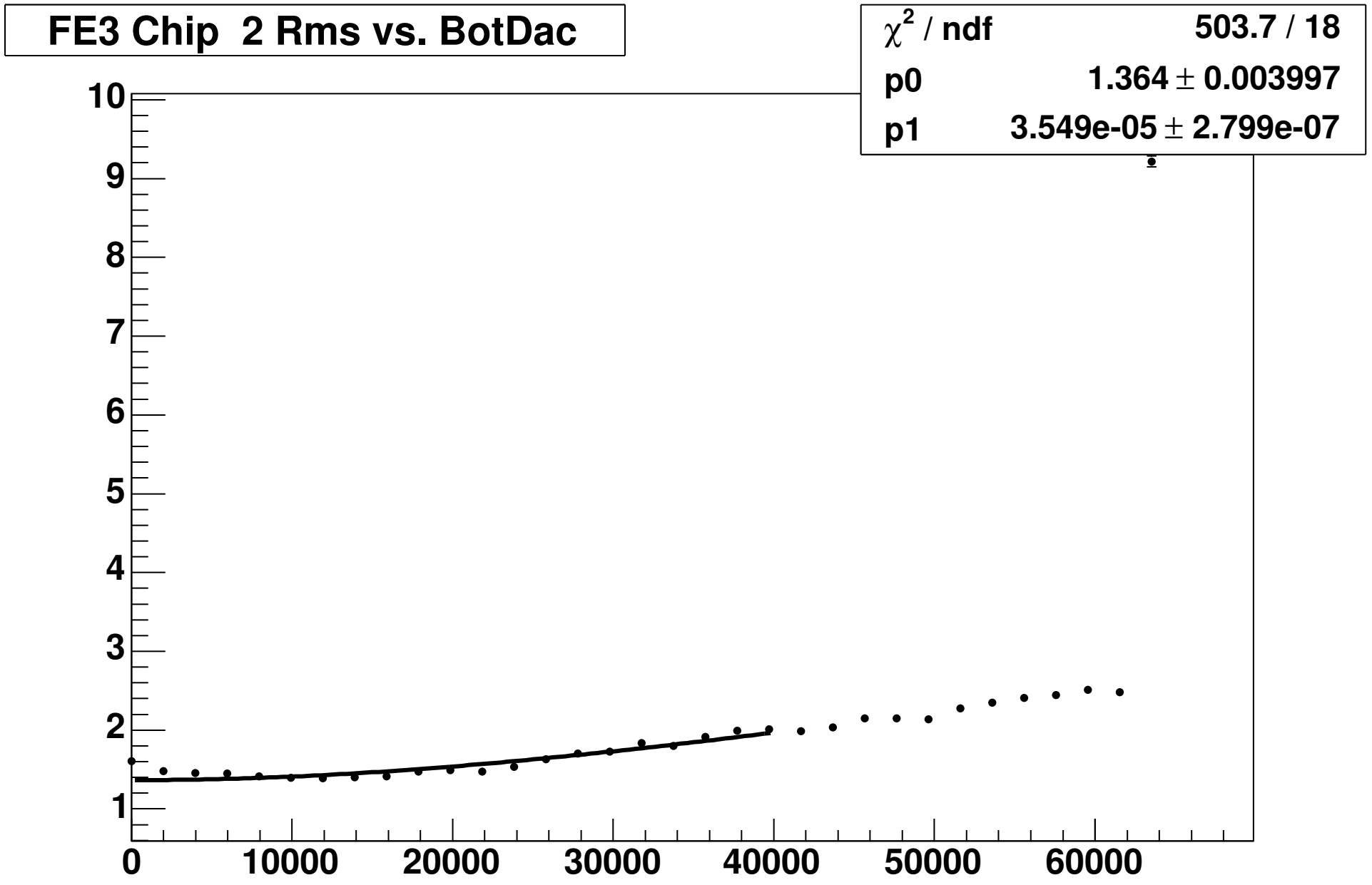

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.497e+04 / 18
p0 37.07 ± 0.007298
p1 0.4513 ± 3.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

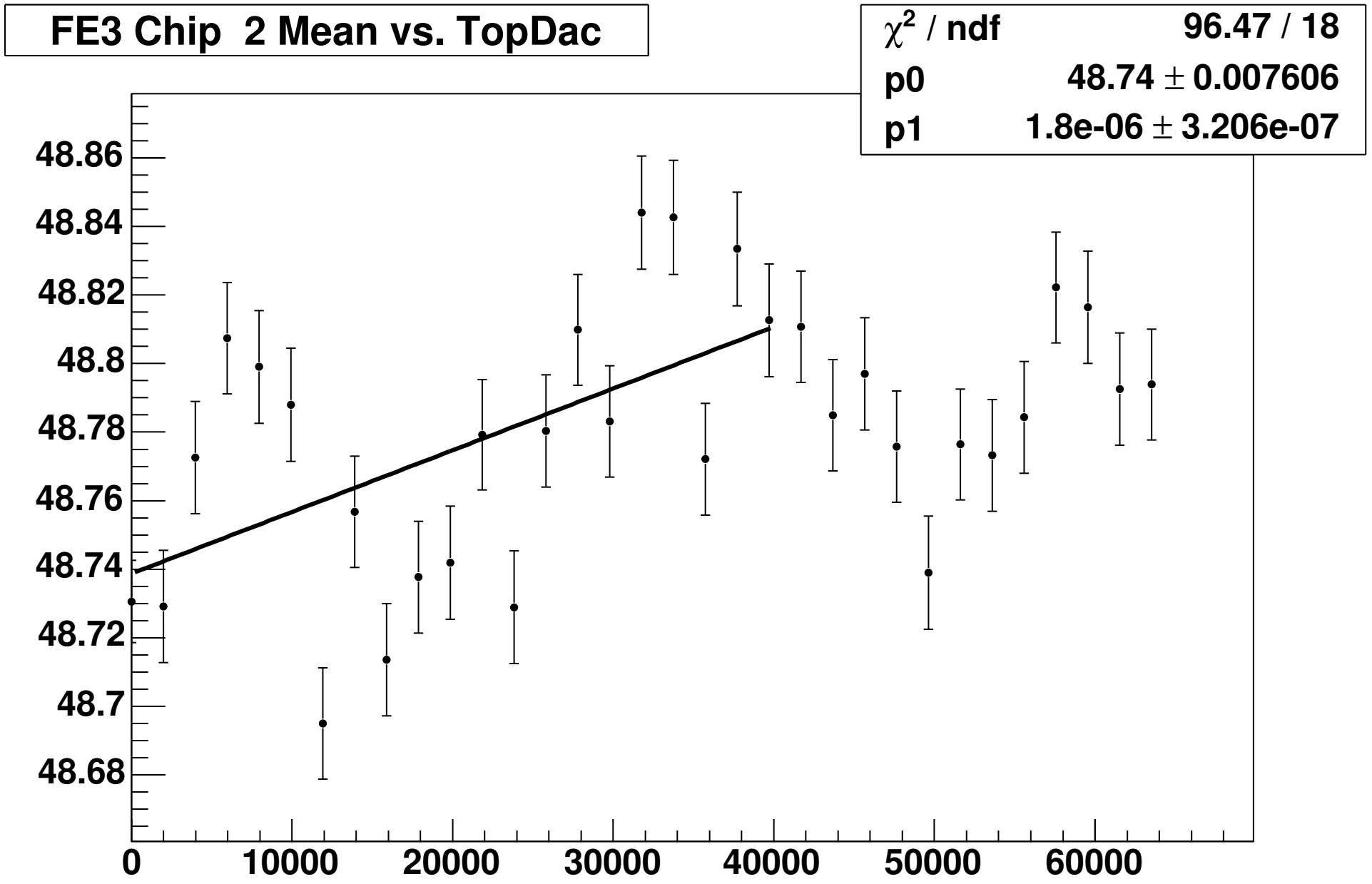

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 466 / 18
p0 1.347 ± 0.003964
p1 3.591e-05 ± 2.74e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

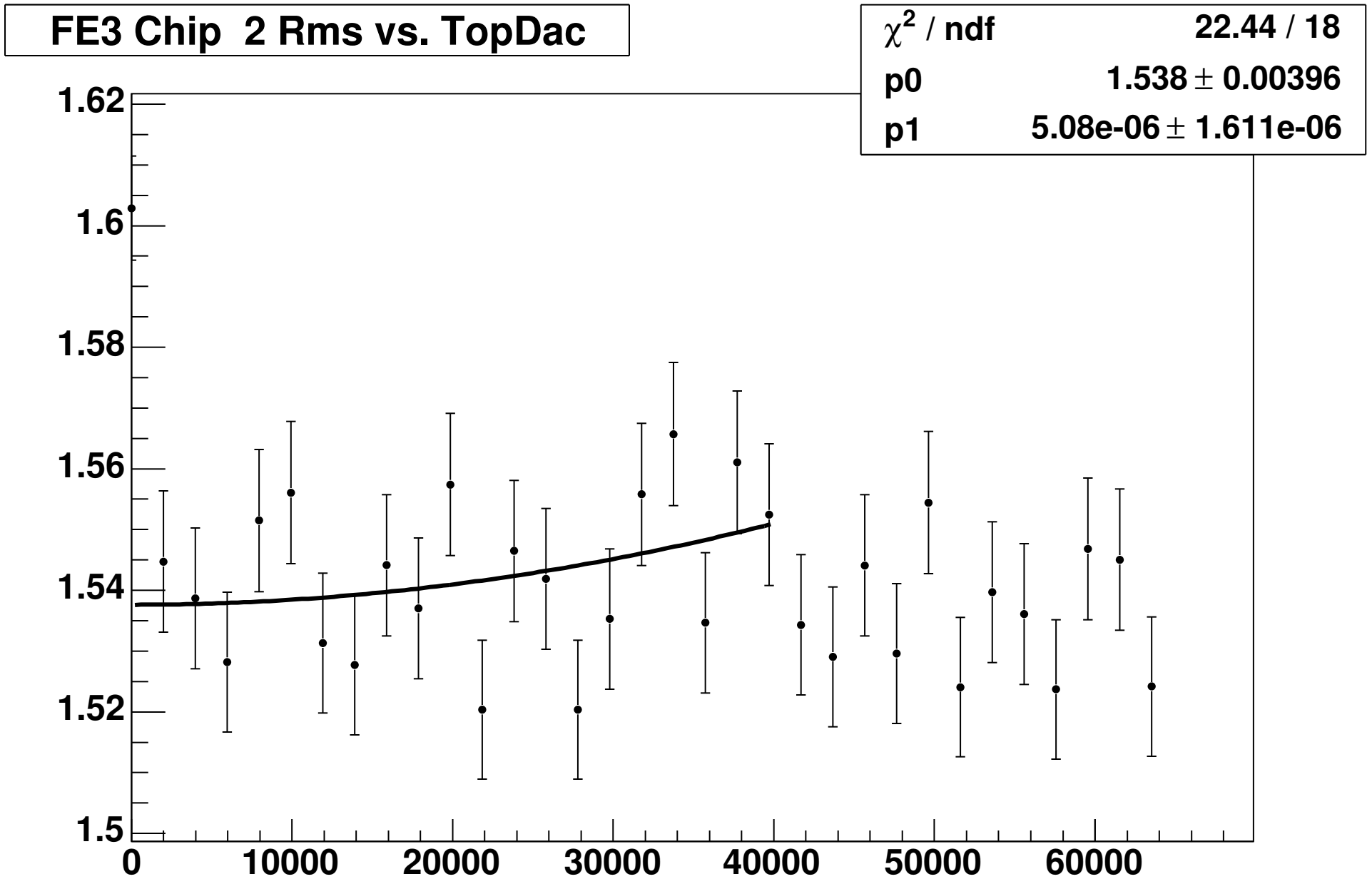

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 100.5 / 18
p0 37.34 ± 0.007281
p1 -1.279e-06 ± 3.069e-07
37.4
37.35
37.3
37.25
37.2
0
10000
20000
30000
40000
50000
60000

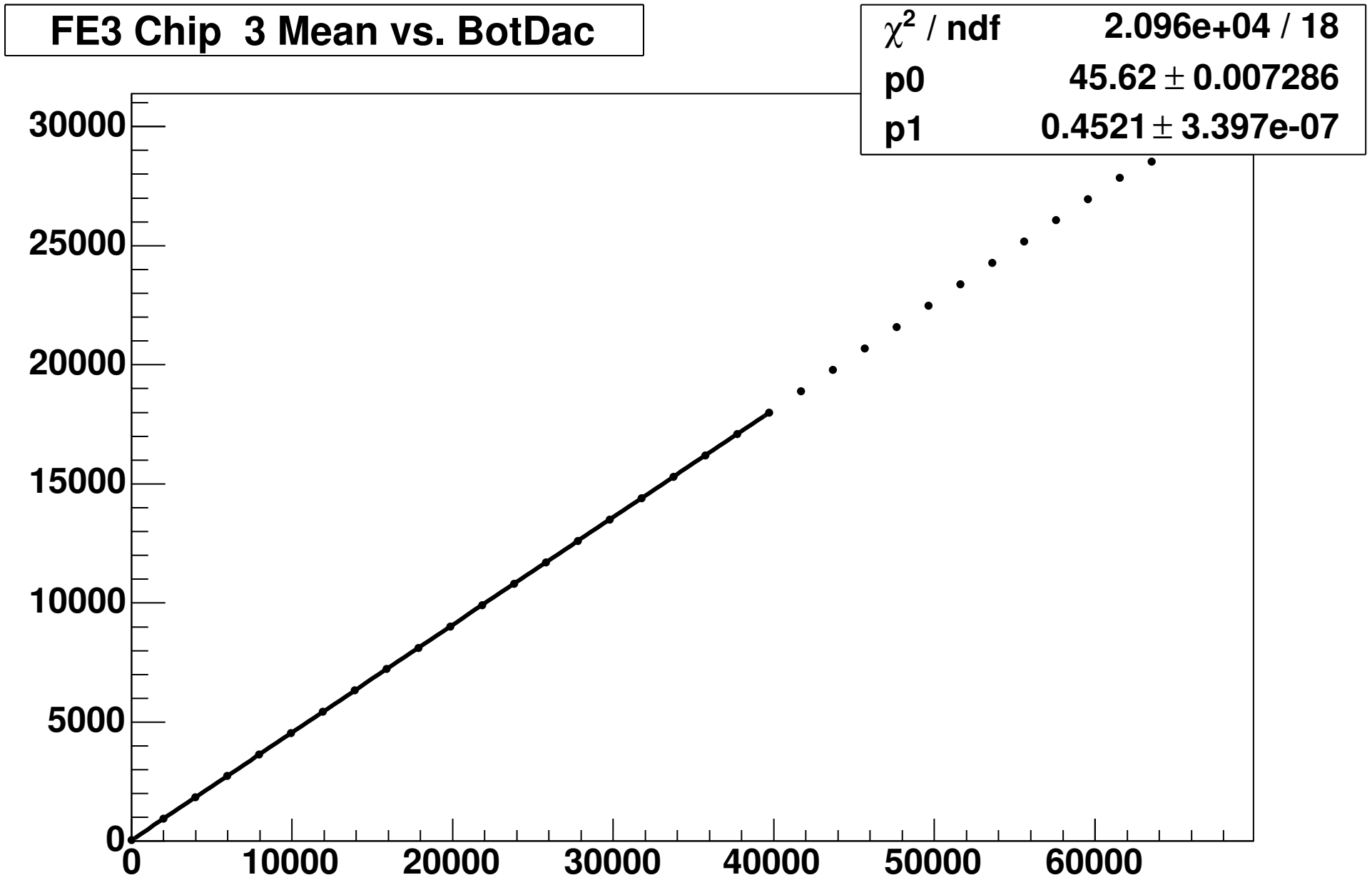

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 20.62 / 18
p0 1.472 ± 0.003788
p1 4.744e-06 ± 1.581e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

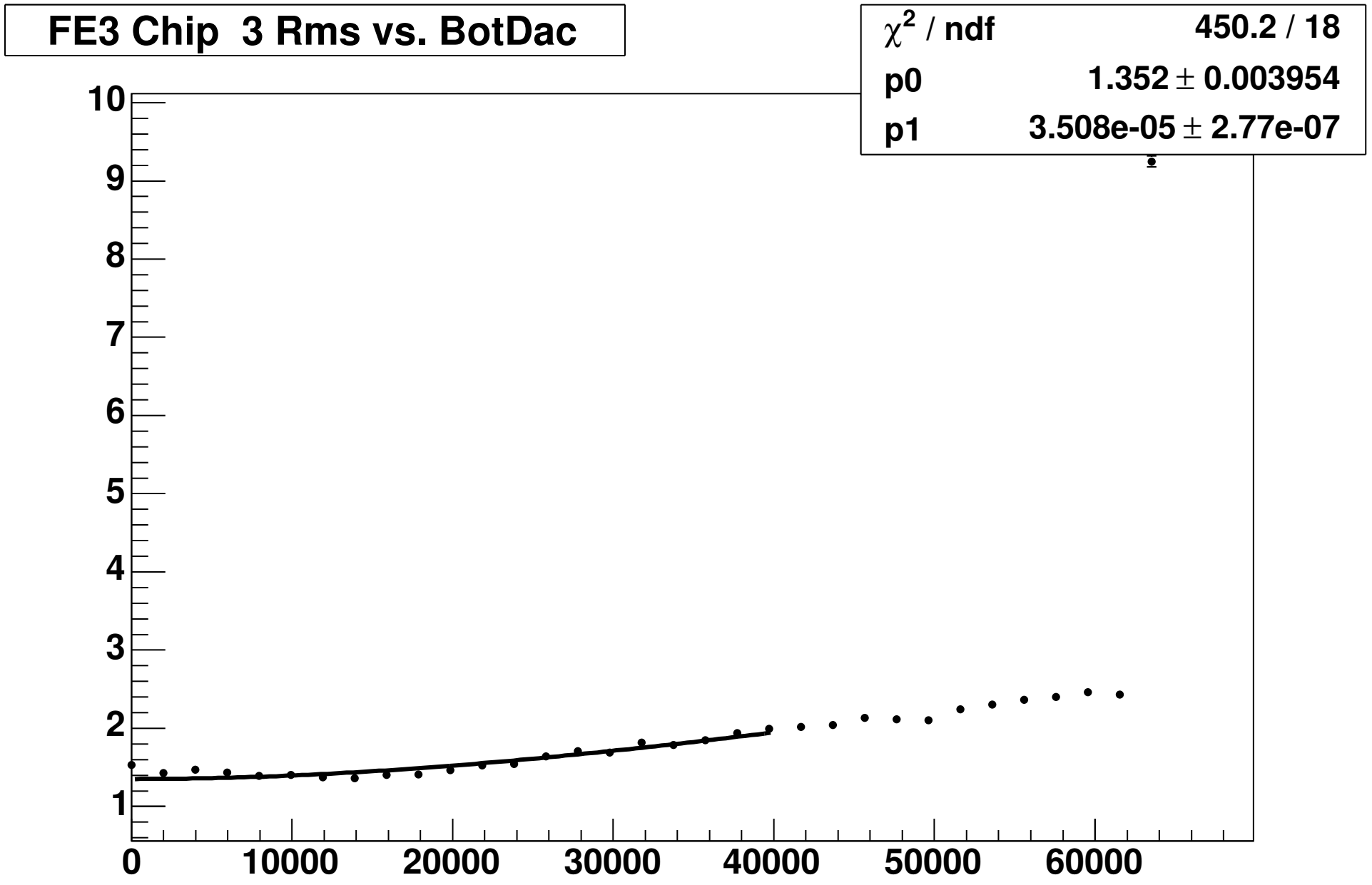

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.585e+04 / 18
p0 48.08 ± 0.007382
p1 0.4521 ± 3.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

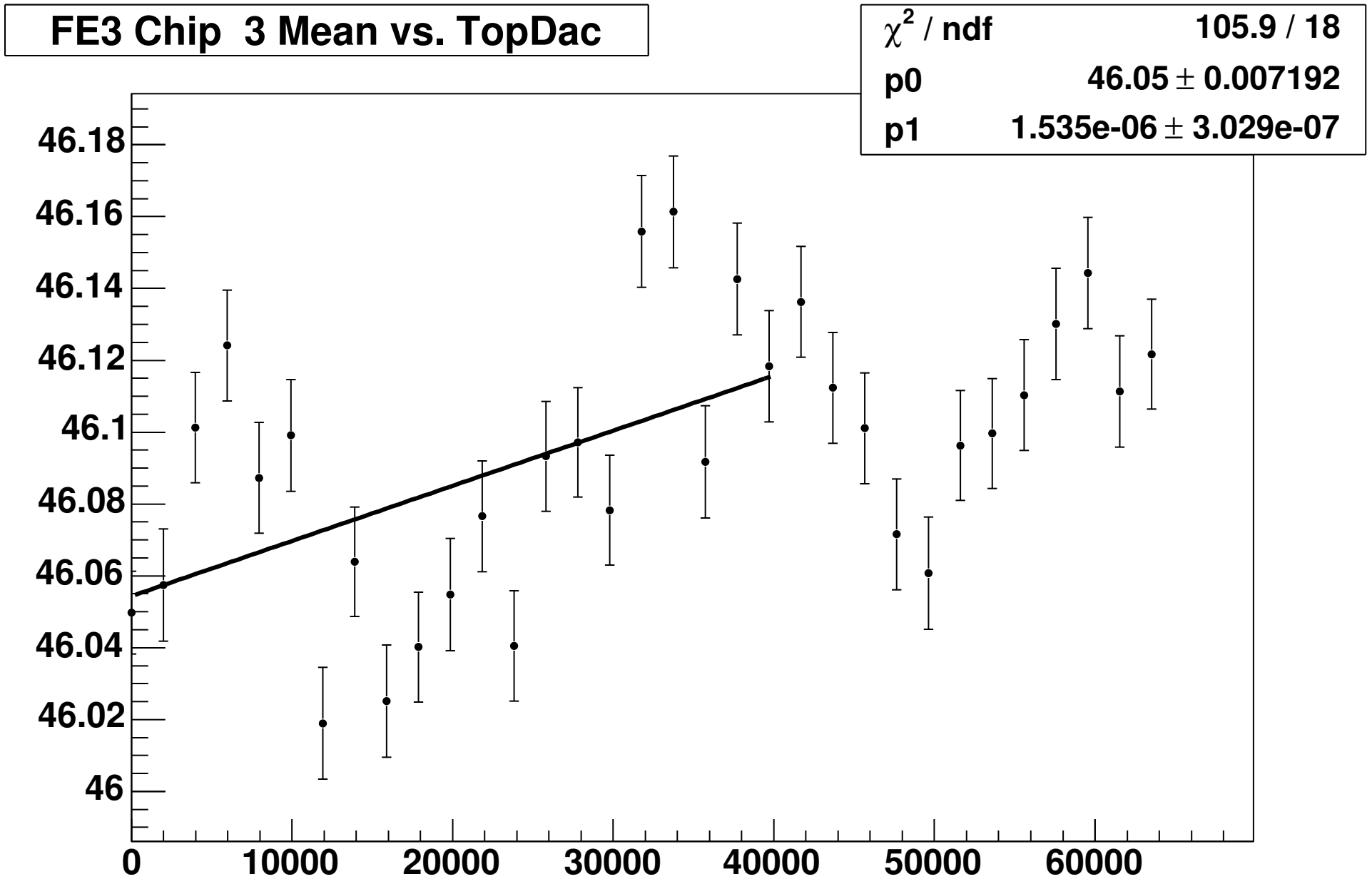

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 503.7 / 18
p0 1.364 ± 0.003997
p1 3.549e-05 ± 2.799e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

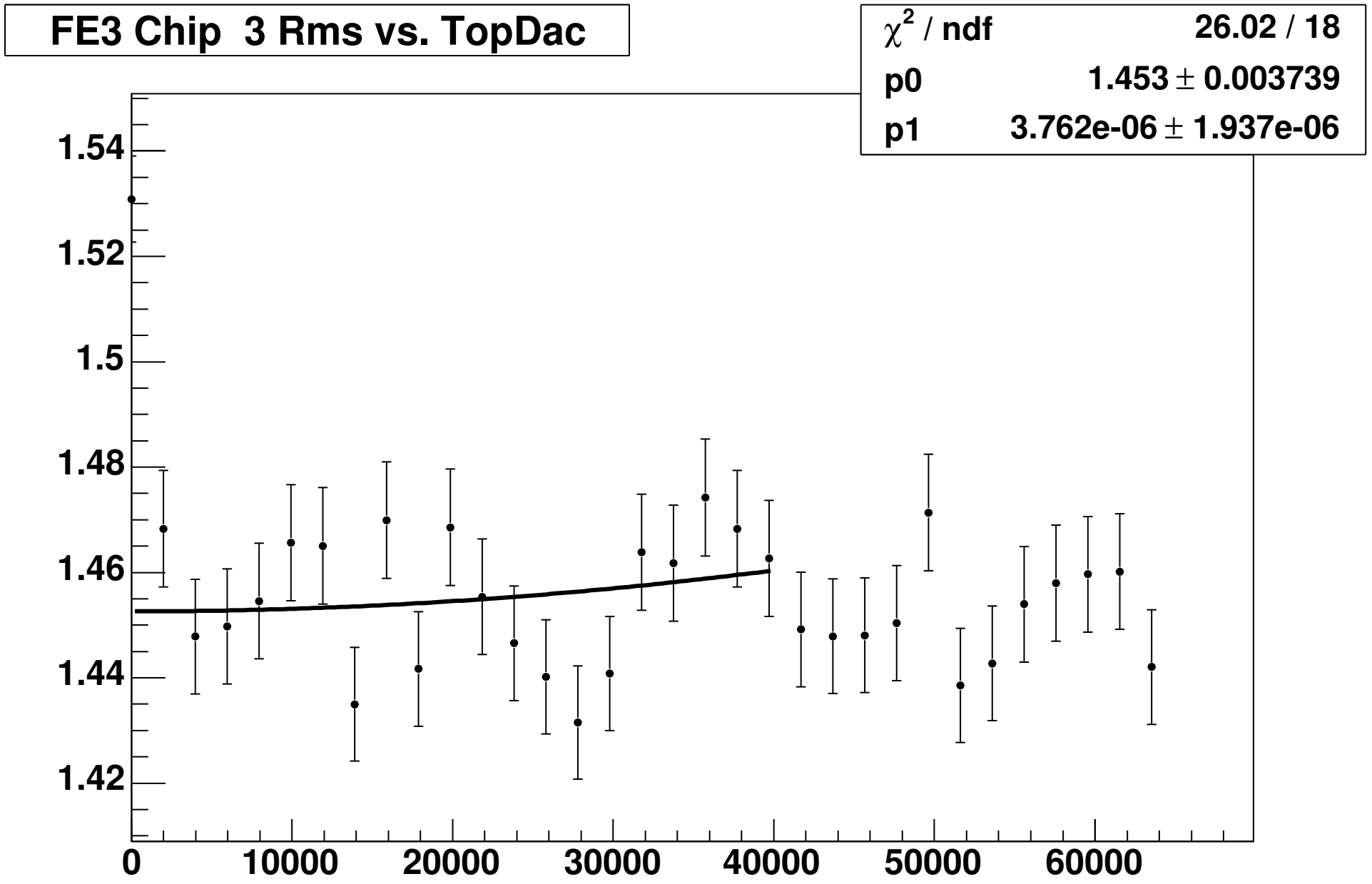

FE3 Chip 2 Mean vs. TopDac
χ^2 / ndf 96.47 / 18
p0 48.74 ± 0.007606
p1 1.8e-06 ± 3.206e-07
48.86
48.84
48.82
48.8
48.78
48.76
48.74
48.72
48.7
48.68
0
10000
20000
30000
40000
50000
60000

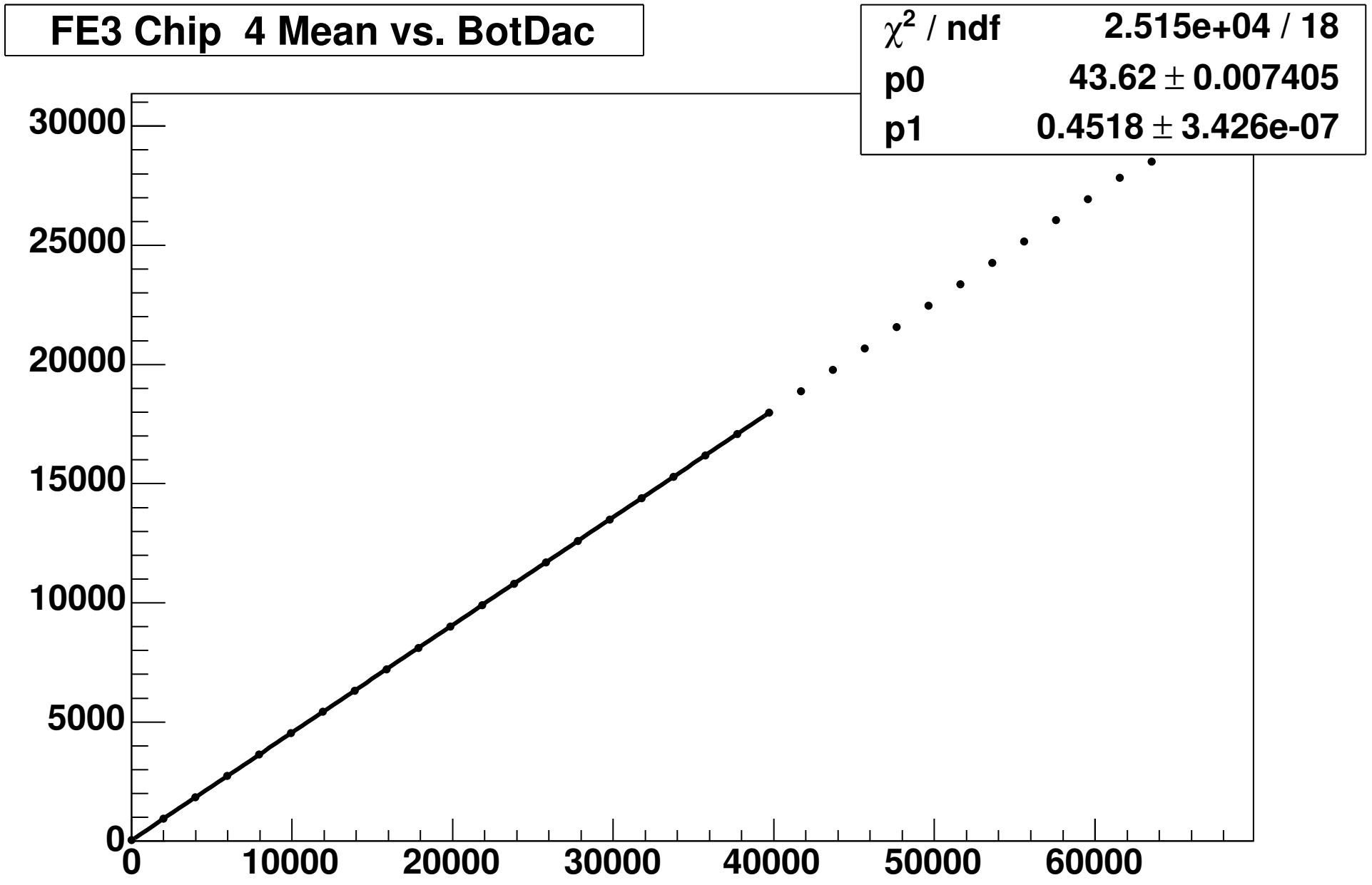

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 22.44 / 18
p0 1.538 ± 0.00396
p1 5.08e-06 ± 1.611e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

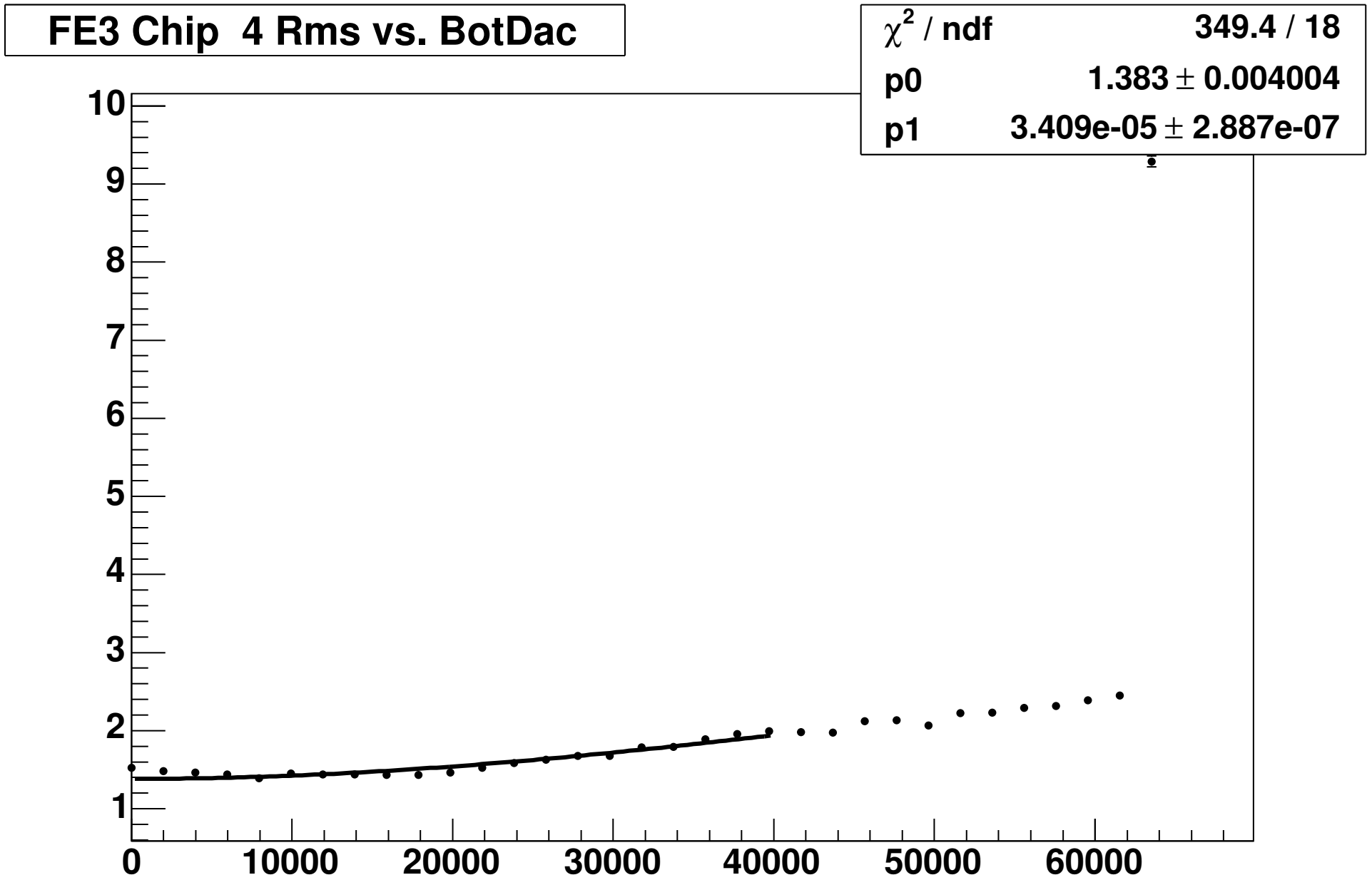

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 2.096e+04 / 18
p0 45.62 ± 0.007286
p1 0.4521 ± 3.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

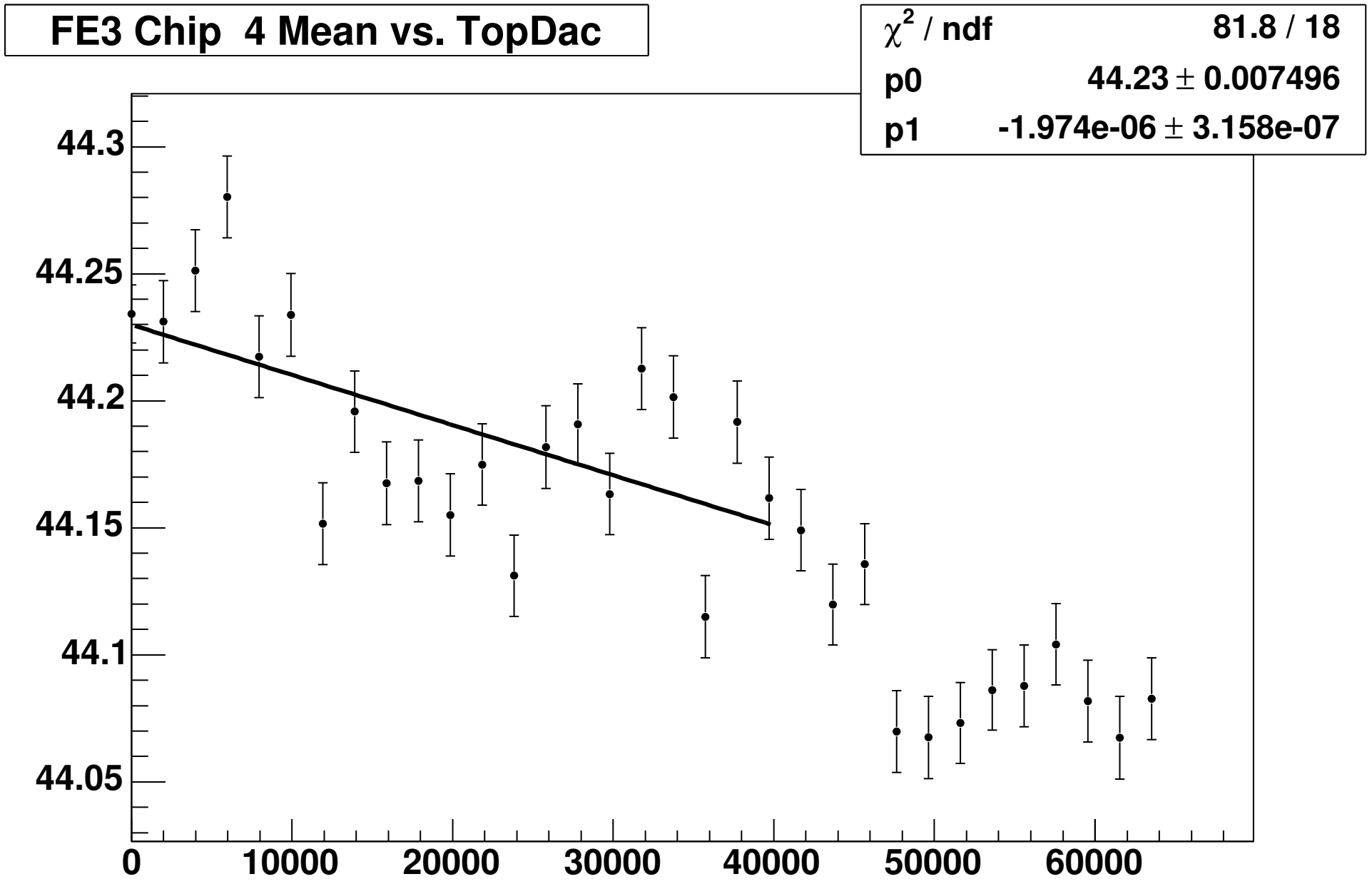

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 450.2 / 18
p0 1.352 ± 0.003954
p1 3.508e-05 ± 2.77e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

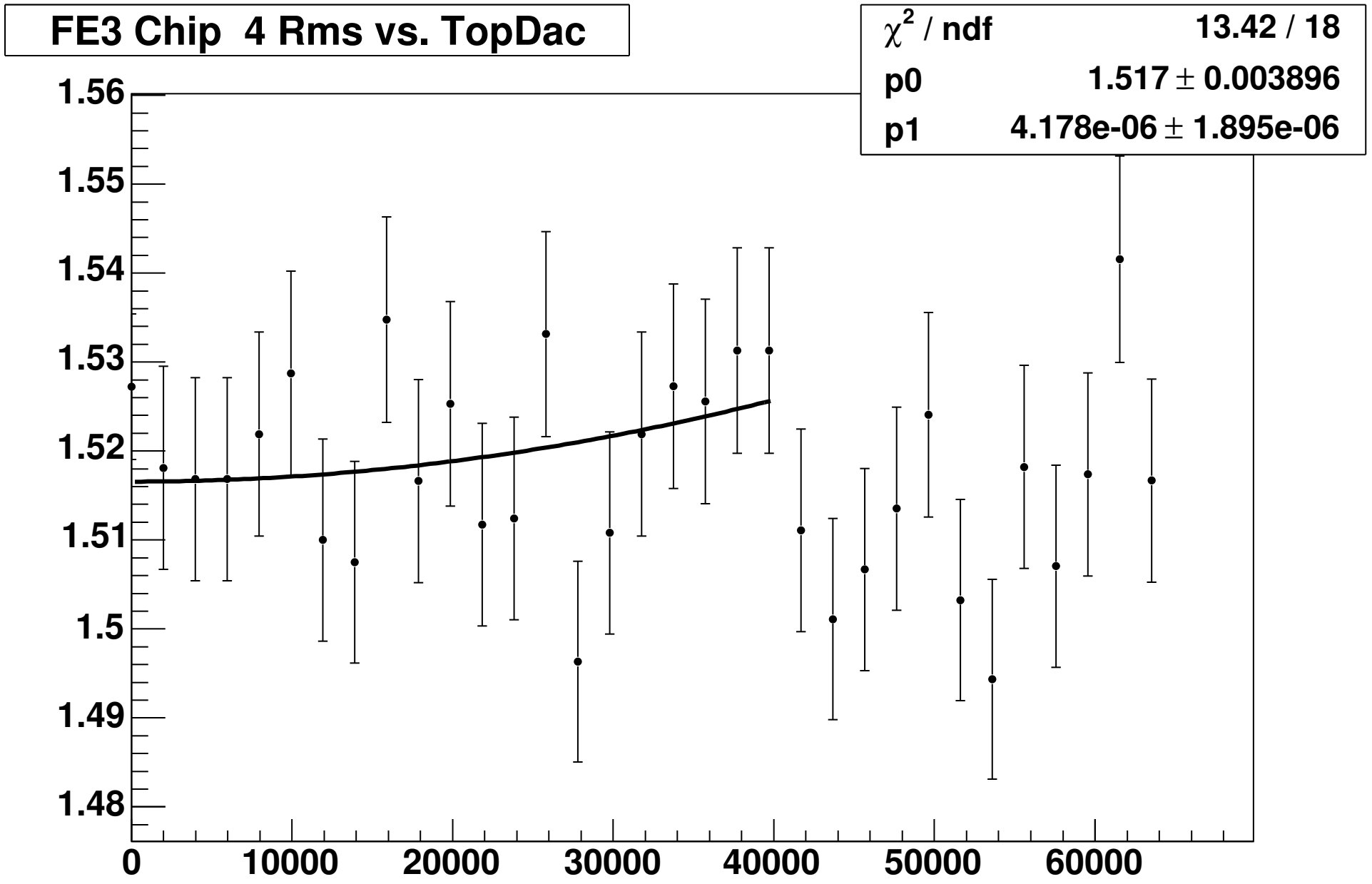

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 105.9 / 18
p0 46.05 ± 0.007192
p1 1.535e-06 ± 3.029e-07
46.18
46.16
46.14
46.12
46.1
46.08
46.06
46.04
46.02
46
0
10000
20000
30000
40000
50000
60000

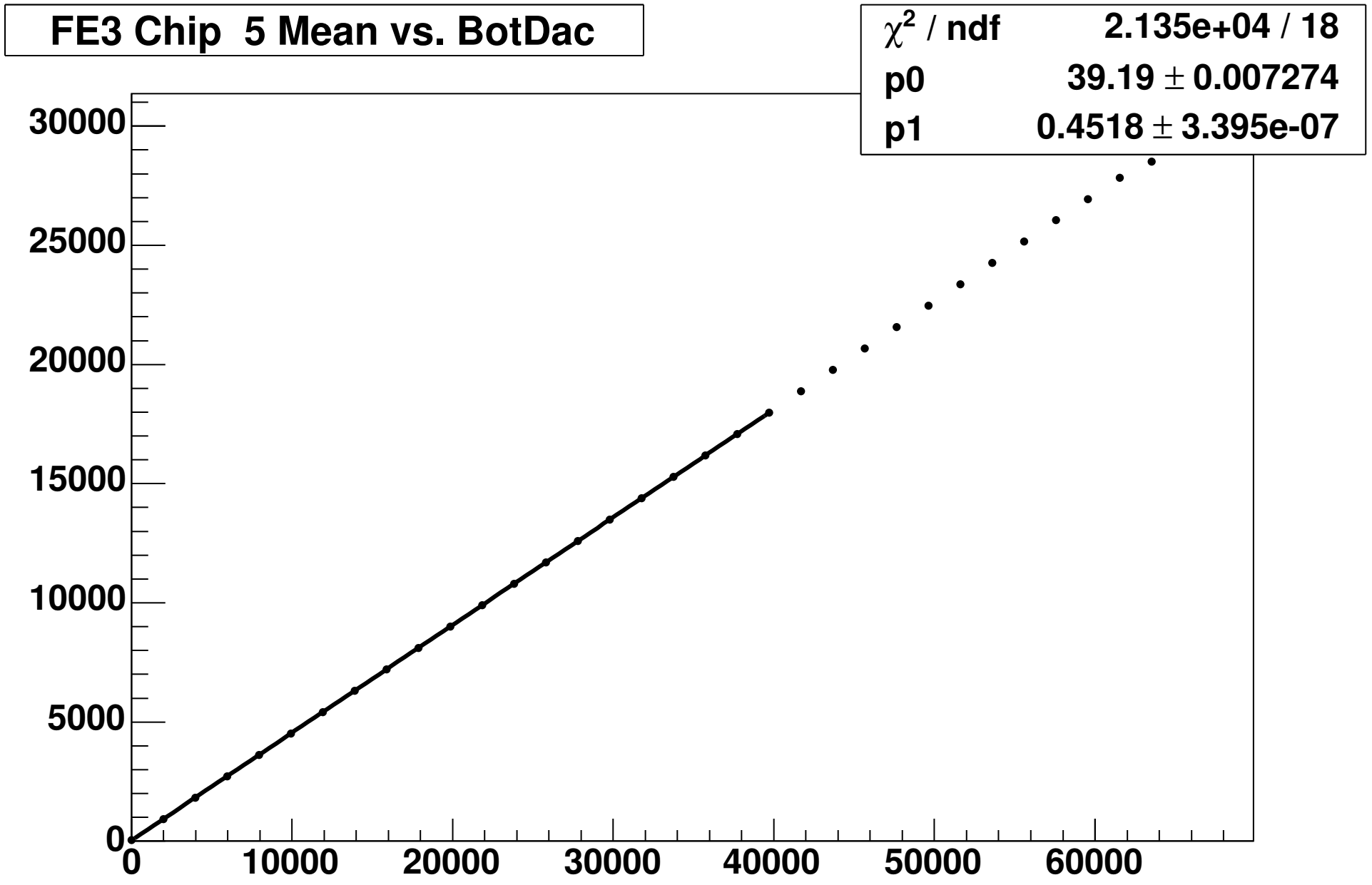

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 26.02 / 18
p0 1.453 ± 0.003739
p1 3.762e-06 ± 1.937e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

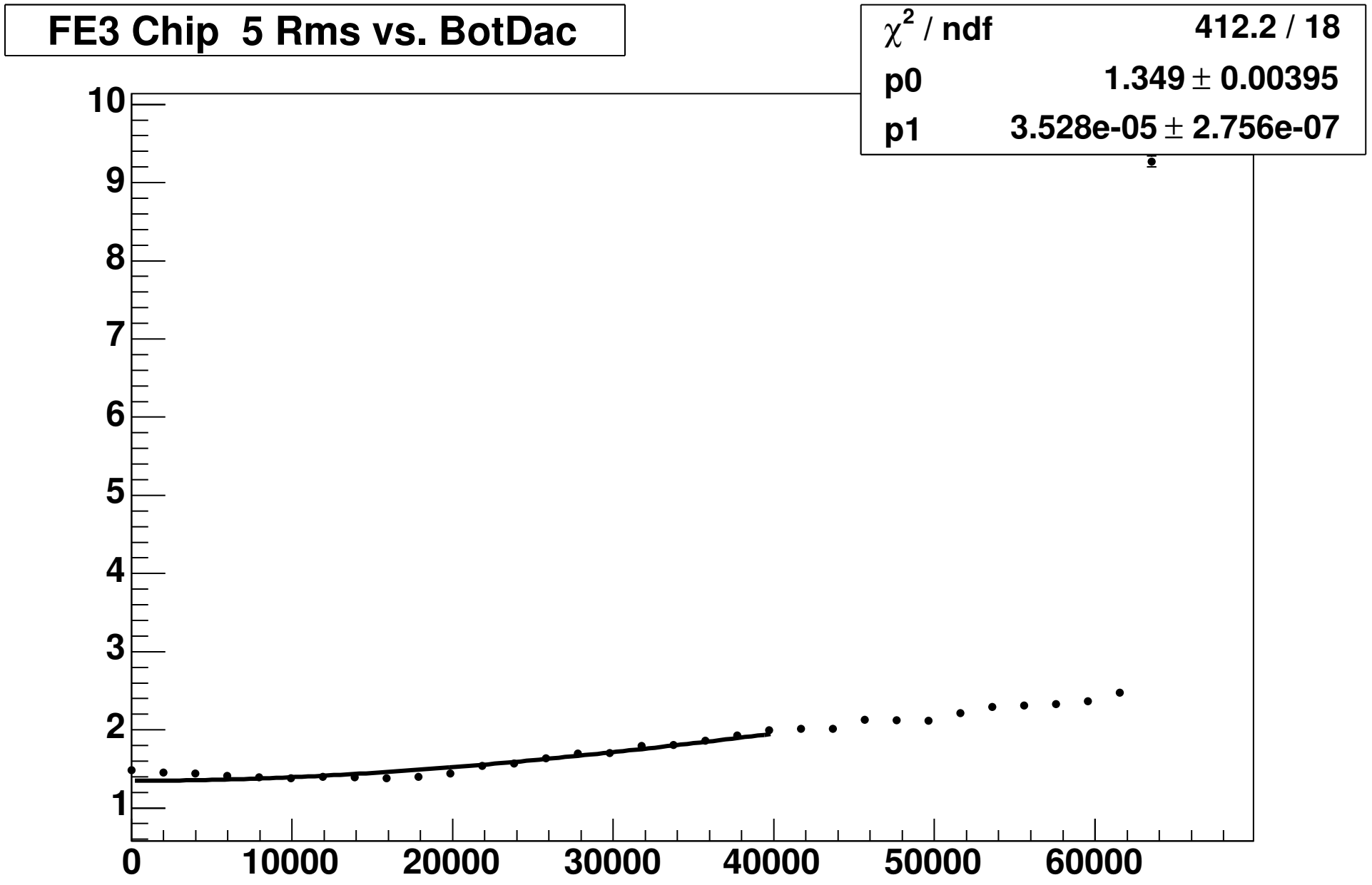

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 2.515e+04 / 18
p0 43.62 ± 0.007405
p1 0.4518 ± 3.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

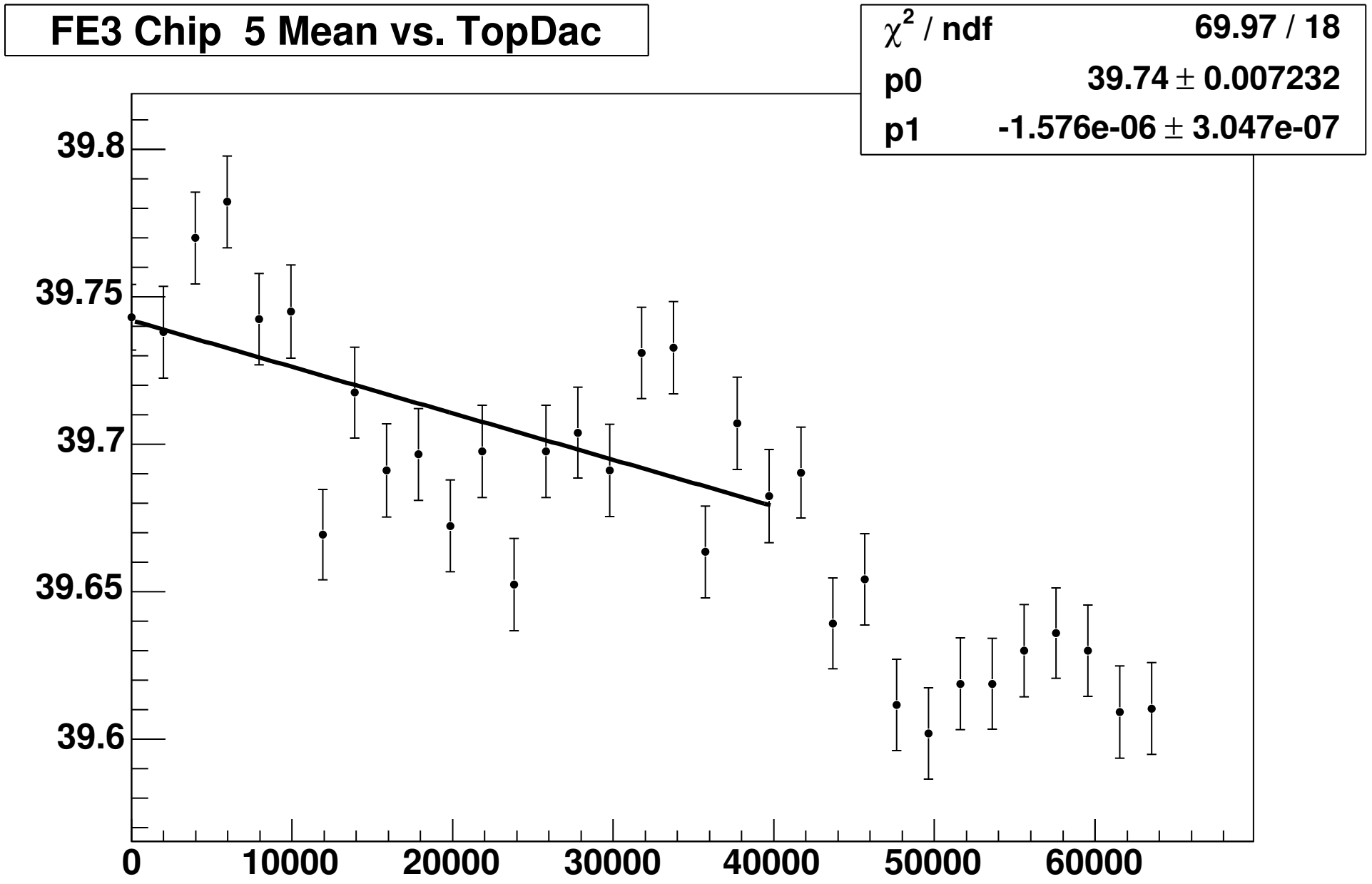

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 349.4 / 18
p0 1.383 ± 0.004004
p1 3.409e-05 ± 2.887e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 81.8 / 18
p0 44.23 ± 0.007496
p1 -1.974e-06 ± 3.158e-07
44.3
44.25
44.2
44.15
44.1
44.05
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 13.42 / 18
p0 1.517 ± 0.003896
p1 4.178e-06 ± 1.895e-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 5 Mean vs. BotDac
χ² / ndf 2.135e+04 / 18
p0 39.19 ± 0.007274
p1 0.4518 ± 3.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 412.2 / 18
p0 1.349 ± 0.00395
p1 3.528e-05 ± 2.756e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. TopDac
χ^2 / ndf 69.97 / 18
p0 39.74 ± 0.007232
p1 -1.576e-06 ± 3.047e-07
39.8
39.75
39.7
39.65
39.6
0
10000
20000
30000
40000
50000
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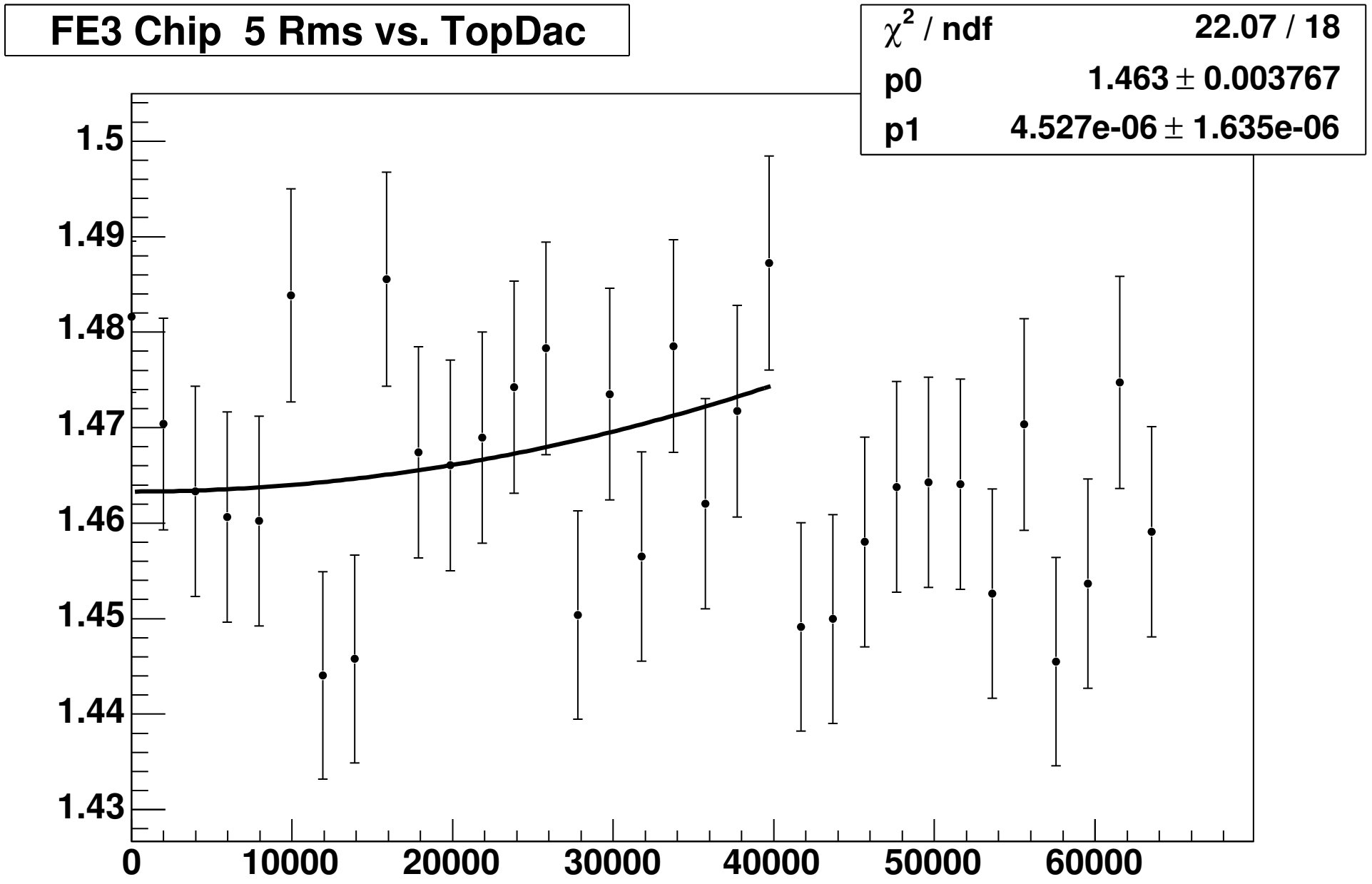
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 22.07 / 18
p0 1.463 ± 0.003767
p1 4.527e-06 ± 1.635e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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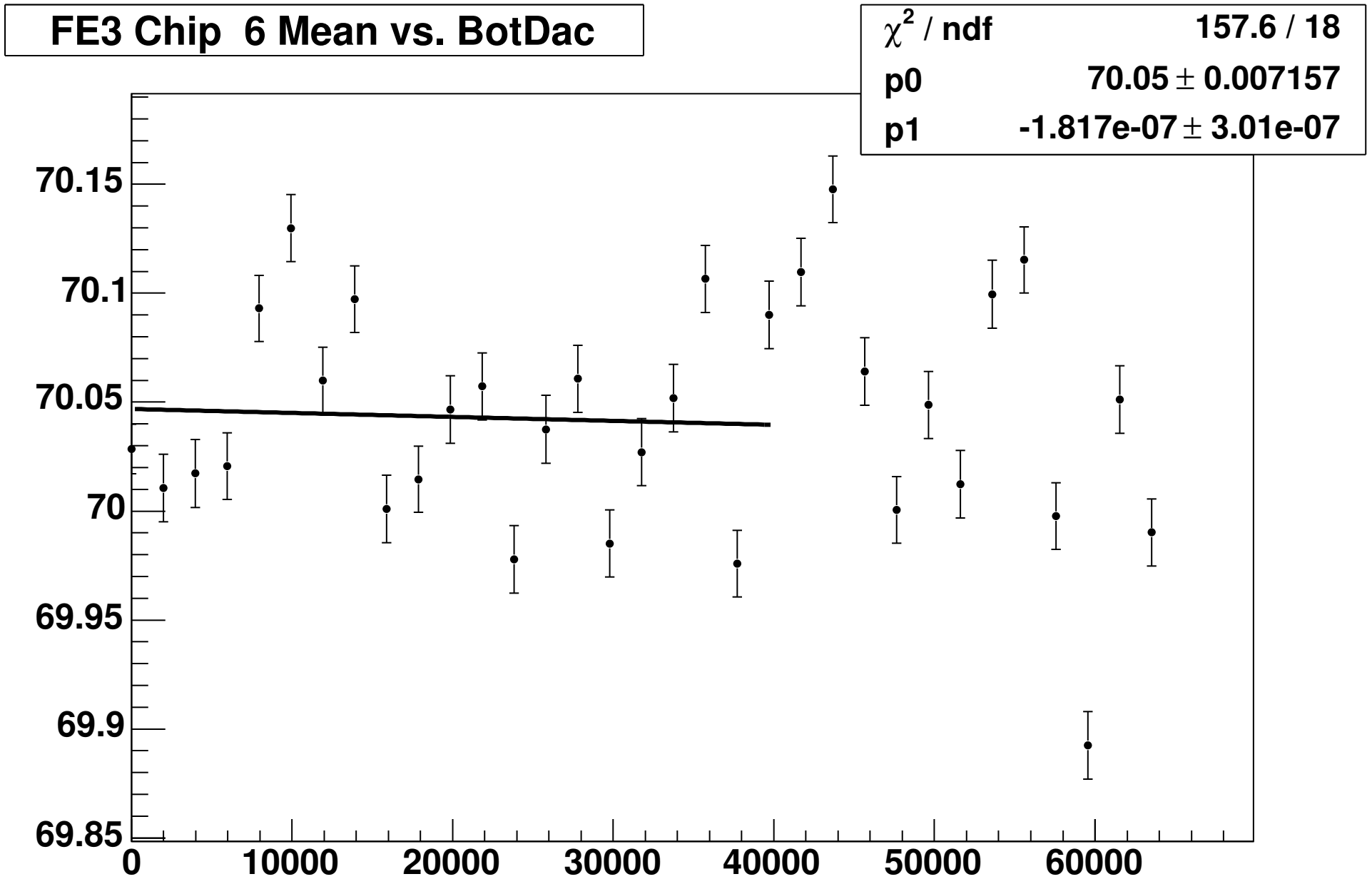
40000
50000
60000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 157.6 / 18
p0 70.05 ± 0.007157
p1 -1.817e-07 ± 3.01e-07
70.15
70.1
70.05
70
69.95
69.9
69.85
0
10000
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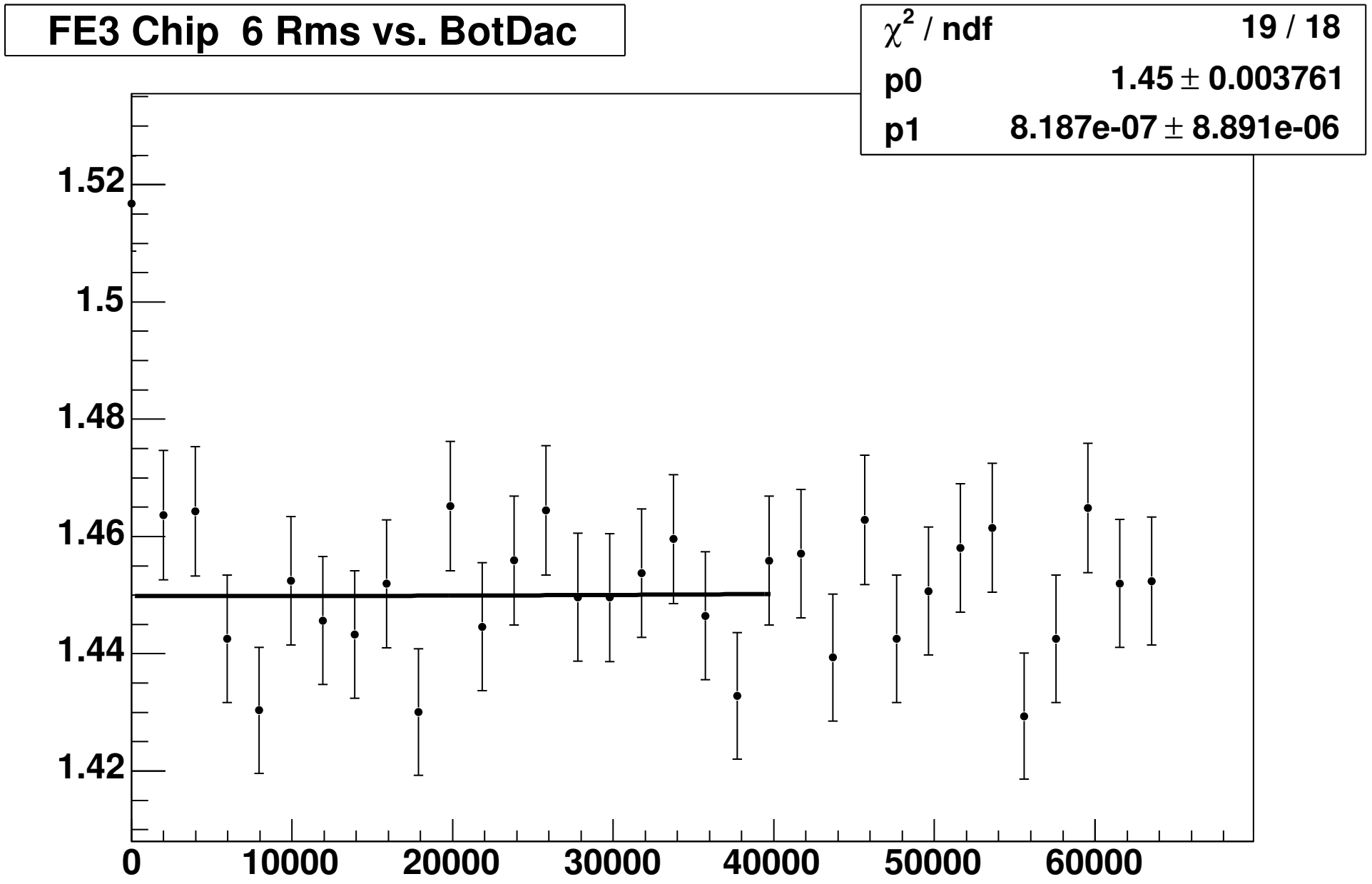
50000
60000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 19 / 18
p0 1.45 ± 0.003761
p1 8.187e-07 ± 8.891e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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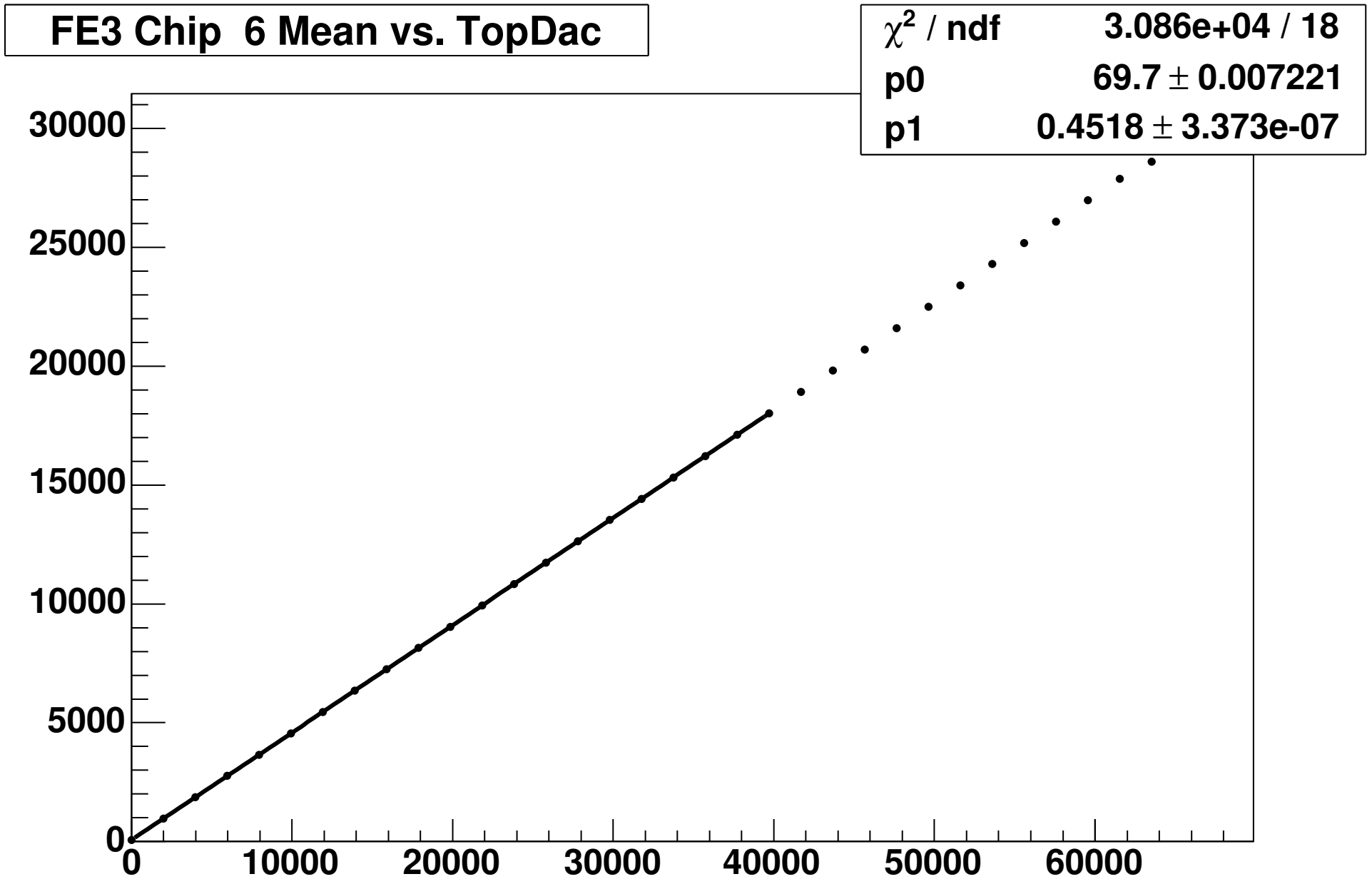
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 3.086e+04 / 18
p0 69.7 ± 0.007221
p1 0.4518 ± 3.373e-07
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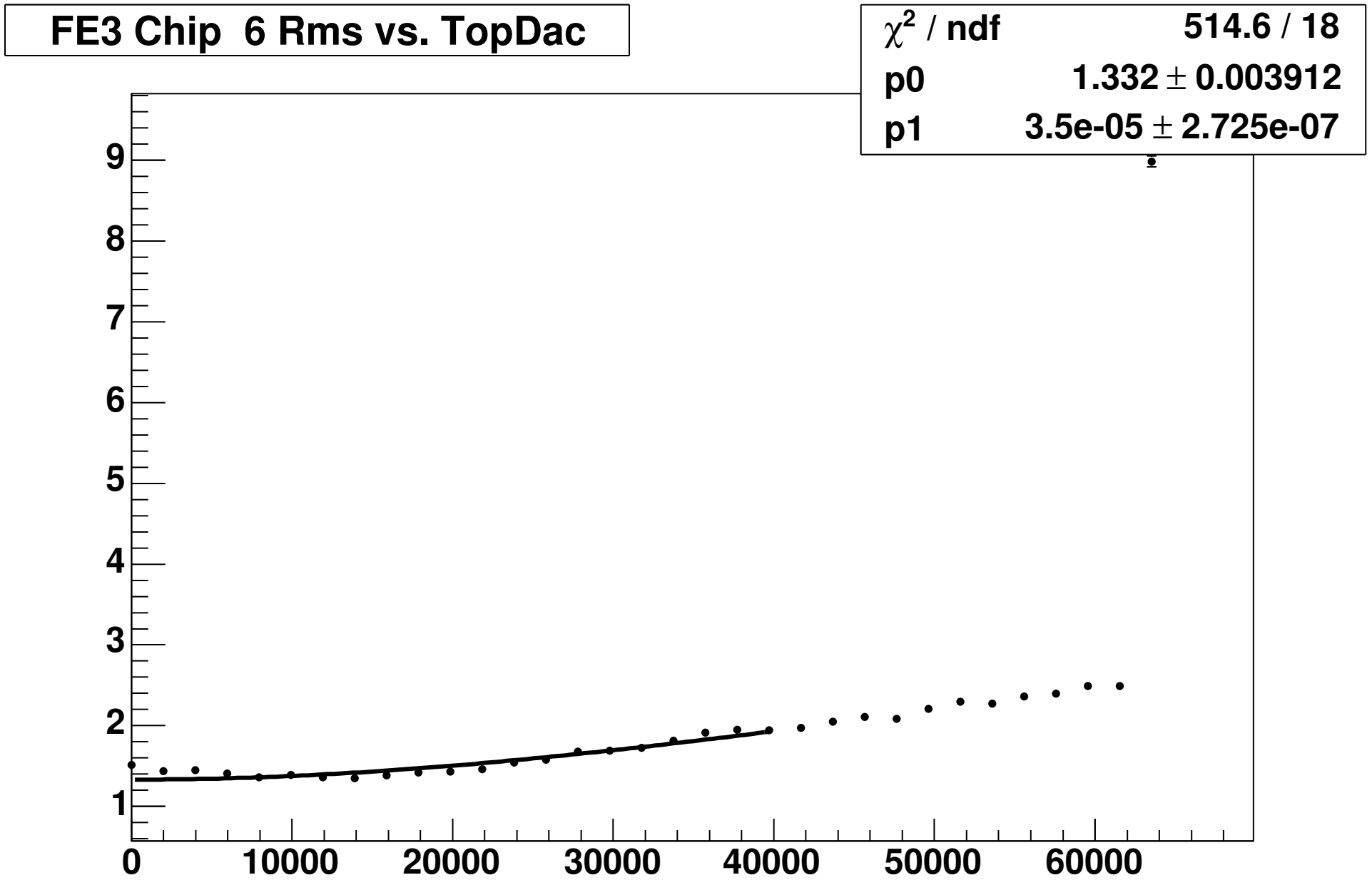
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 514.6 / 18
p0 1.332 ± 0.003912
p1 3.5e-05 ± 2.725e-07
9
8
7
6
5
4
3
2
1
0
10000
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50000
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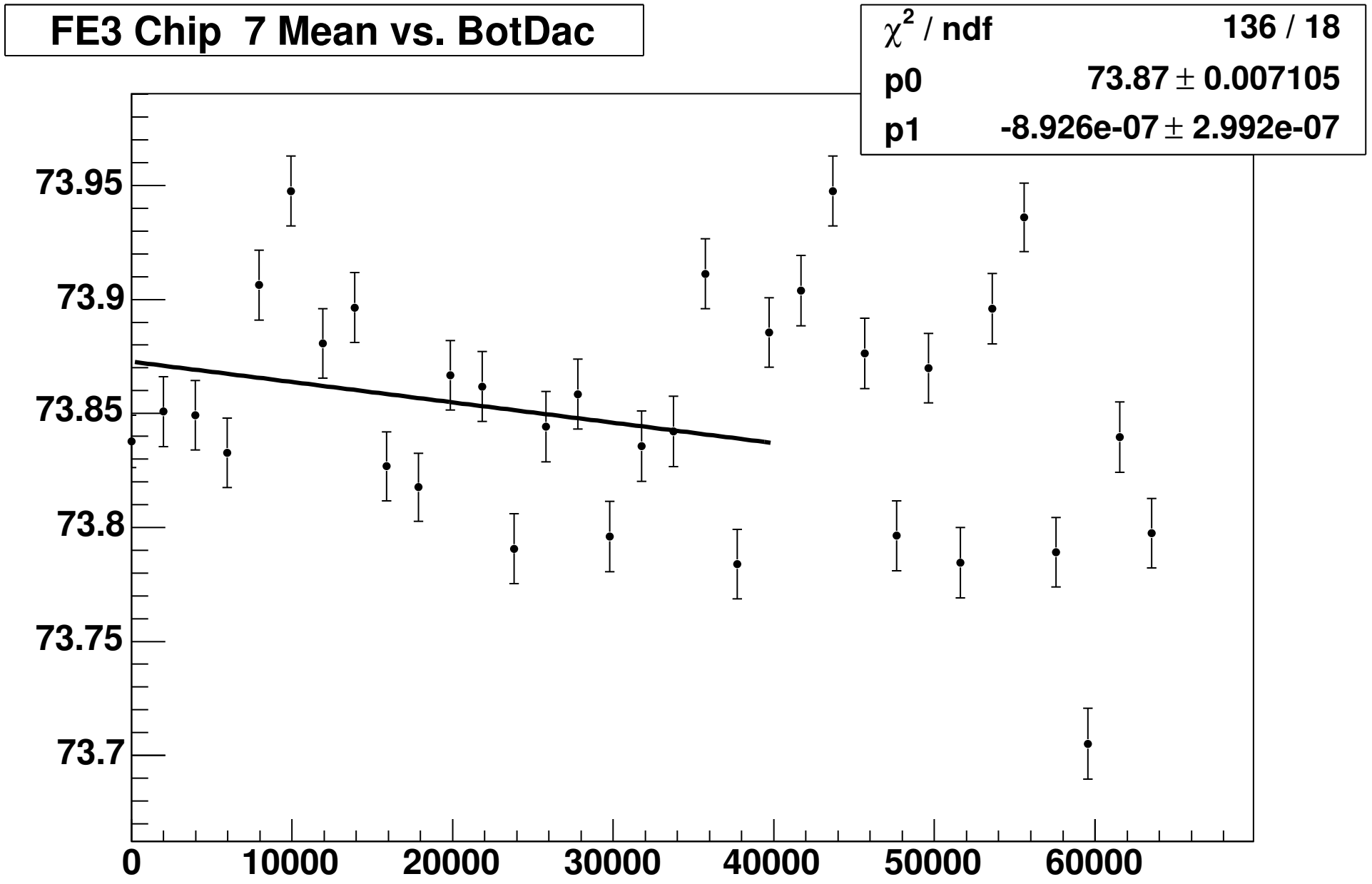
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 136 / 18
p0 73.87 ± 0.007105
p1 -8.926e-07 ± 2.992e-07
73.95
73.9
73.85
73.8
73.75
73.7
0
10000
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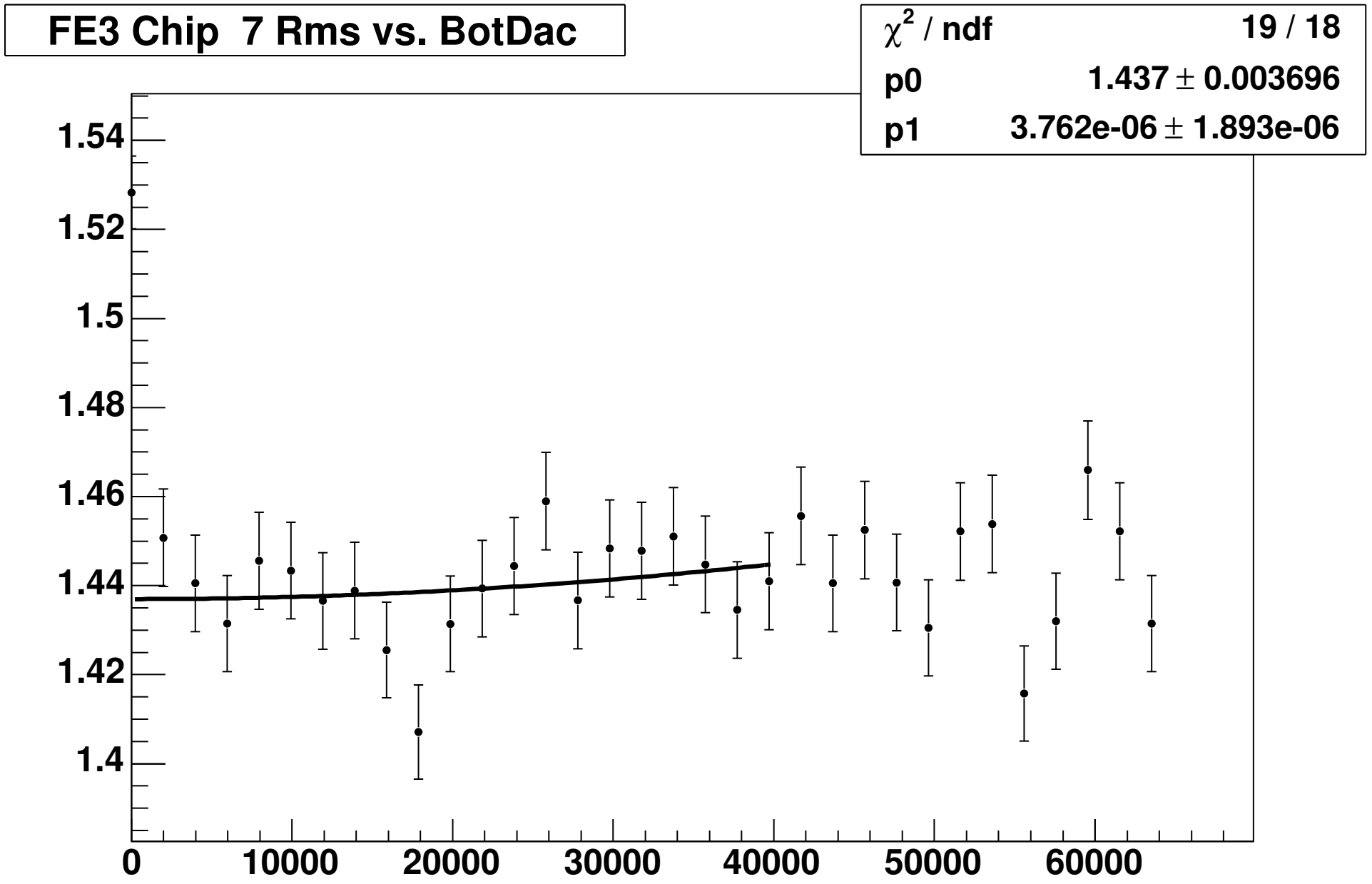
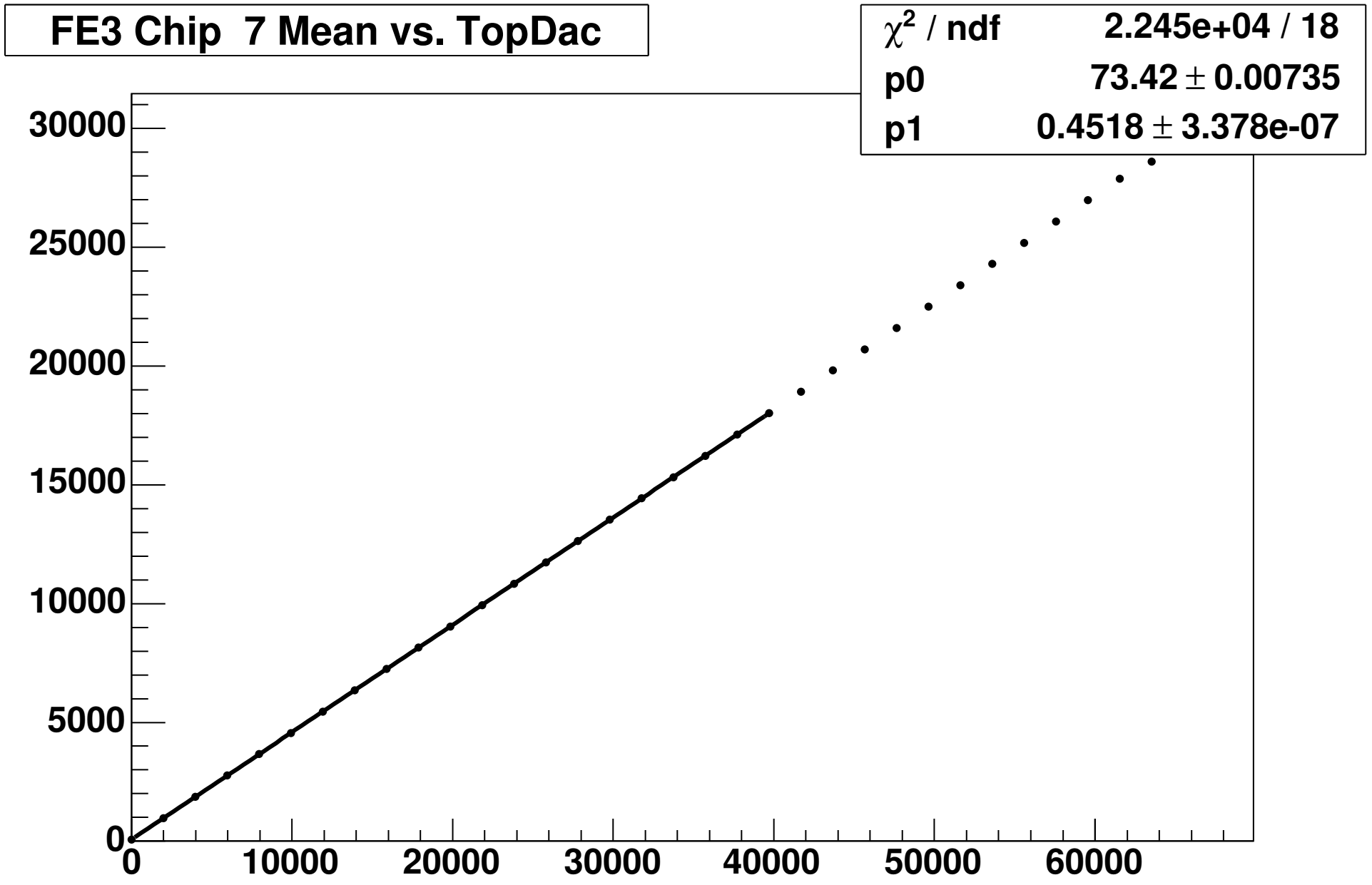
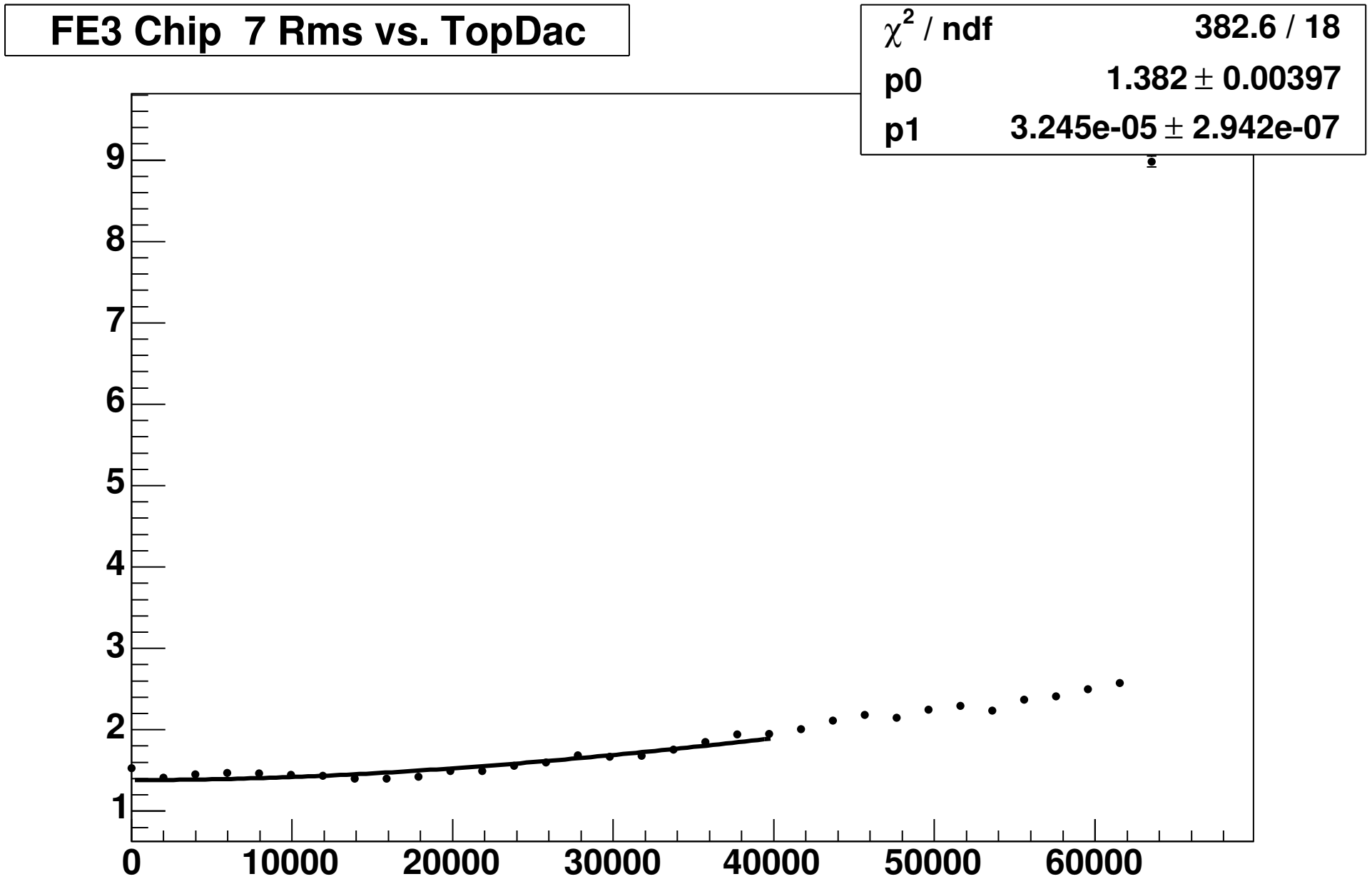
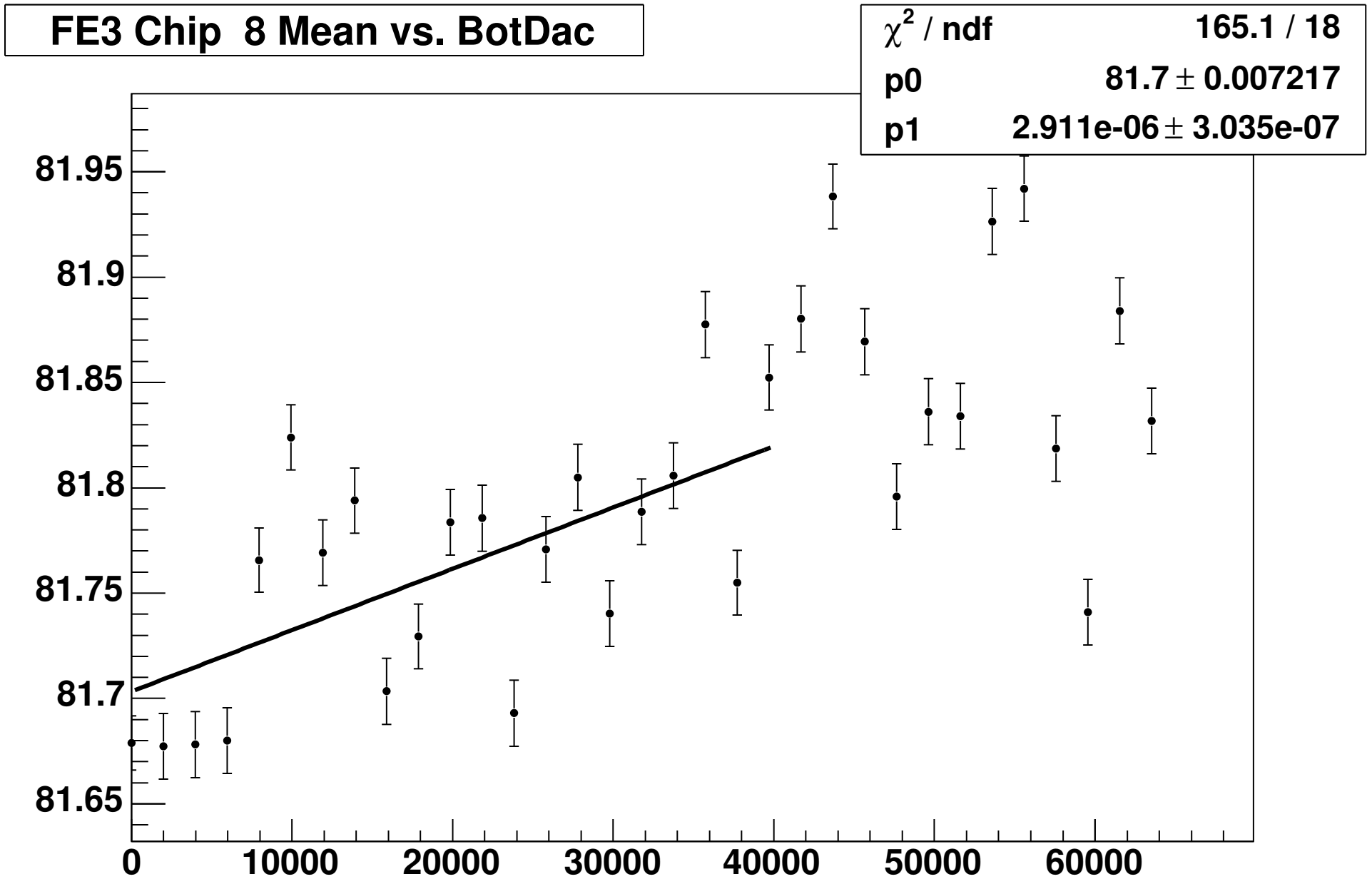
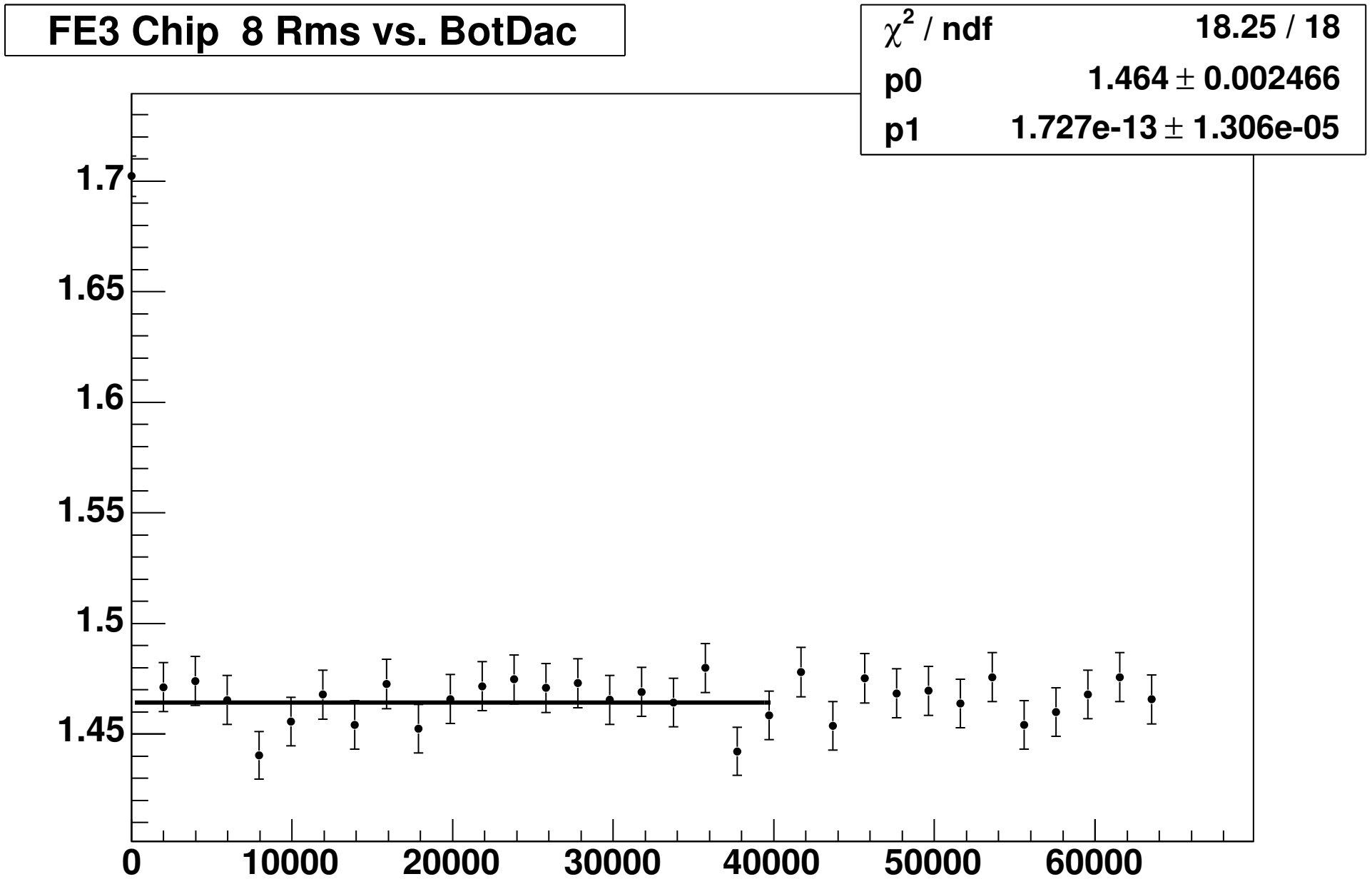
30000
40000
50000
60000

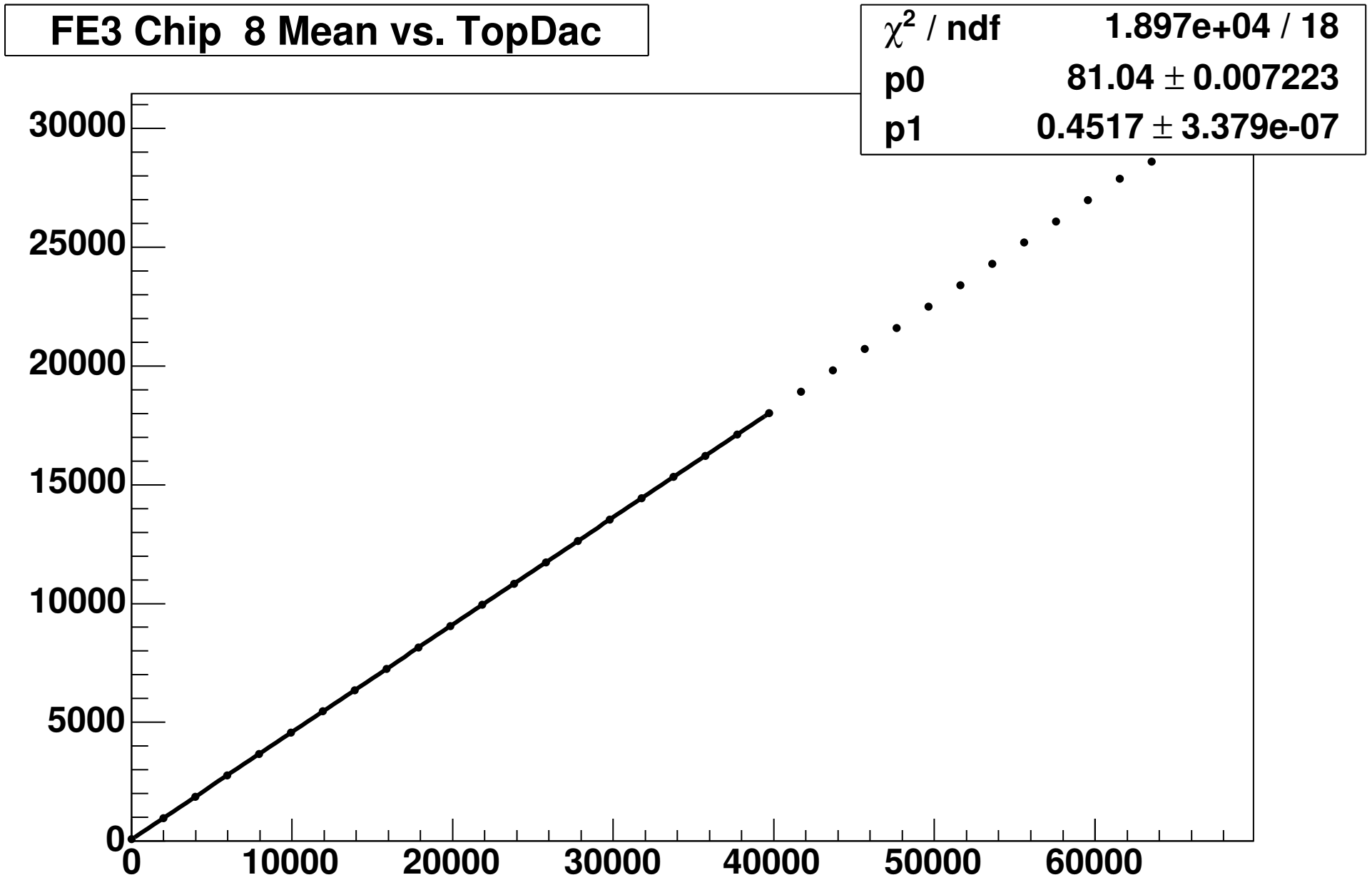

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 19 / 18
p0 1.437 ± 0.003696
p1 3.762e-06 ± 1.893e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

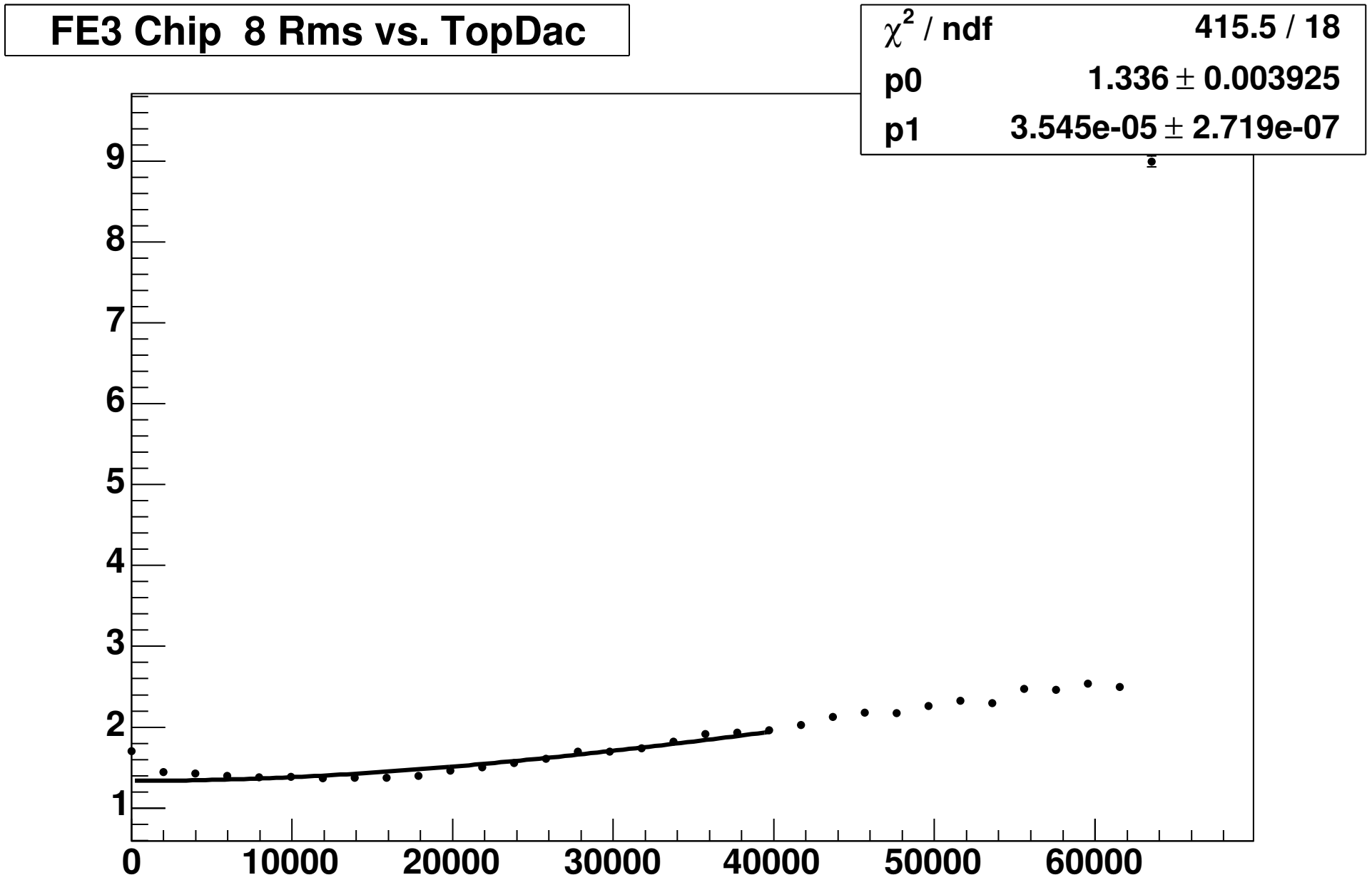

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 2.245e+04 / 18
p0 73.42 ± 0.00735
p1 0.4518 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

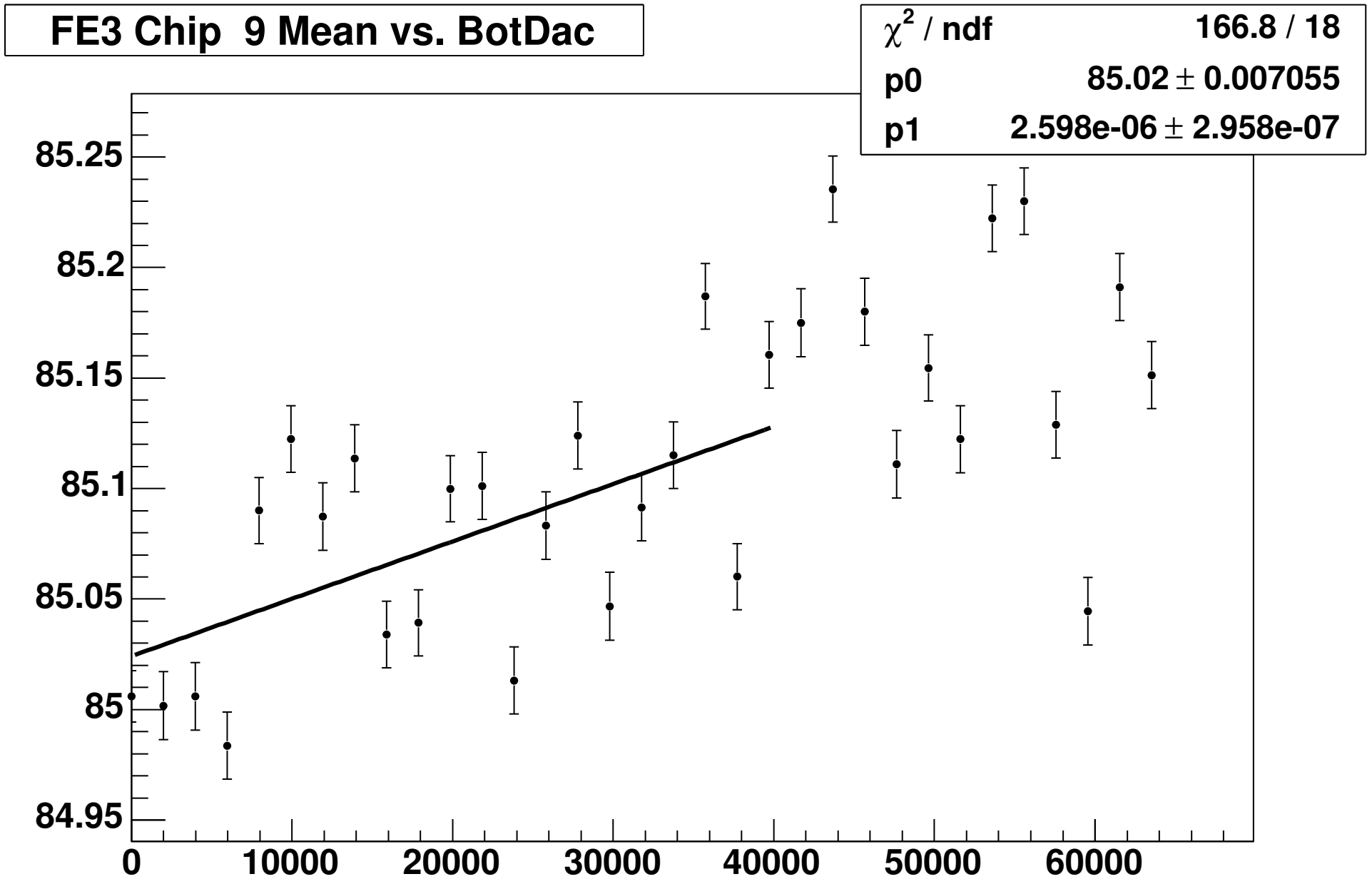

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 382.6 / 18
p0 1.382 ± 0.00397
p1 3.245e-05 ± 2.942e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

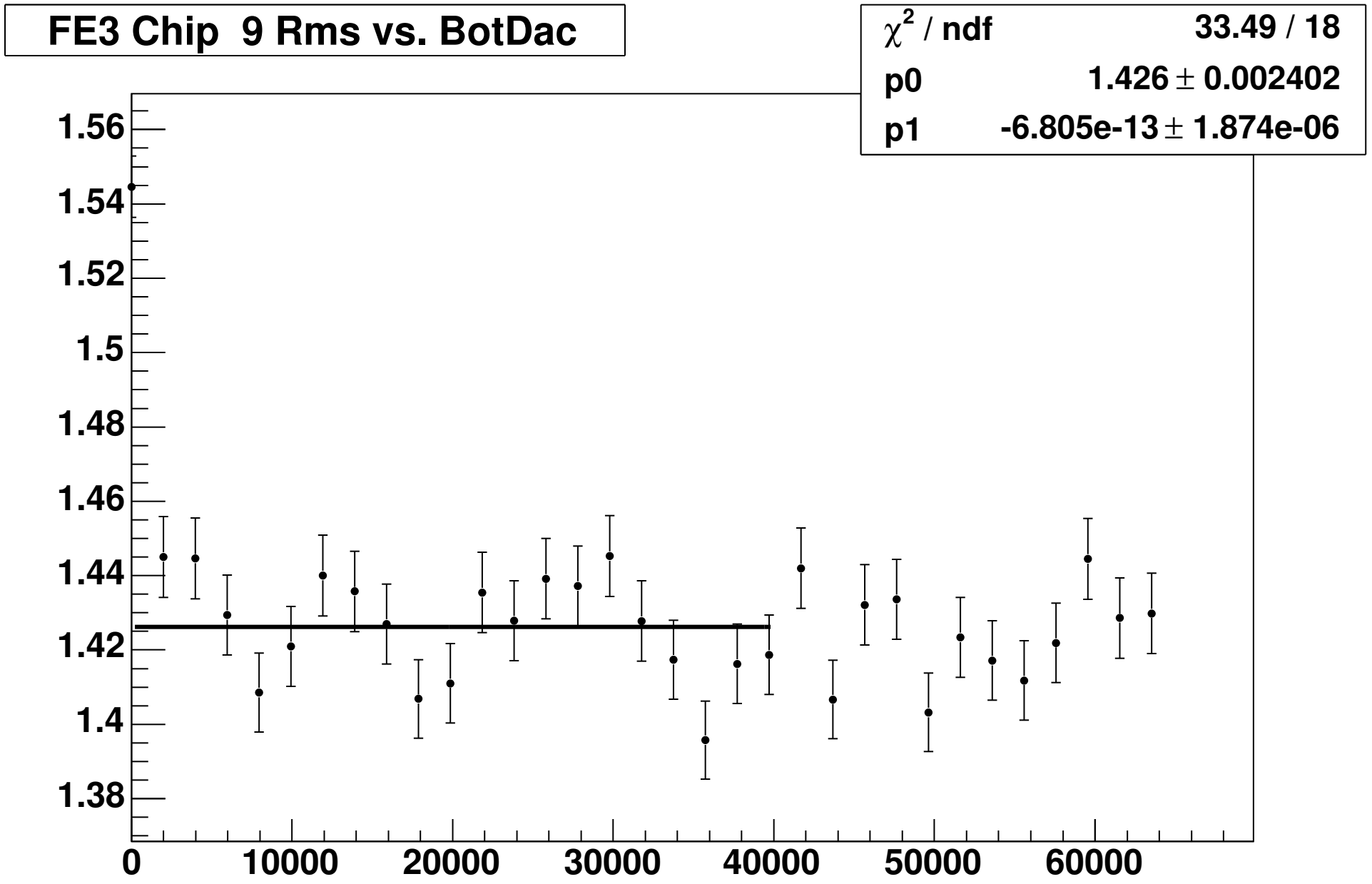

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 165.1 / 18
p0 81.7 ± 0.007217
p1 2.911e-06 ± 3.035e-07
81.95
81.9
81.85
81.8
81.75
81.7
81.65
0
10000
20000
30000
40000
50000
60000

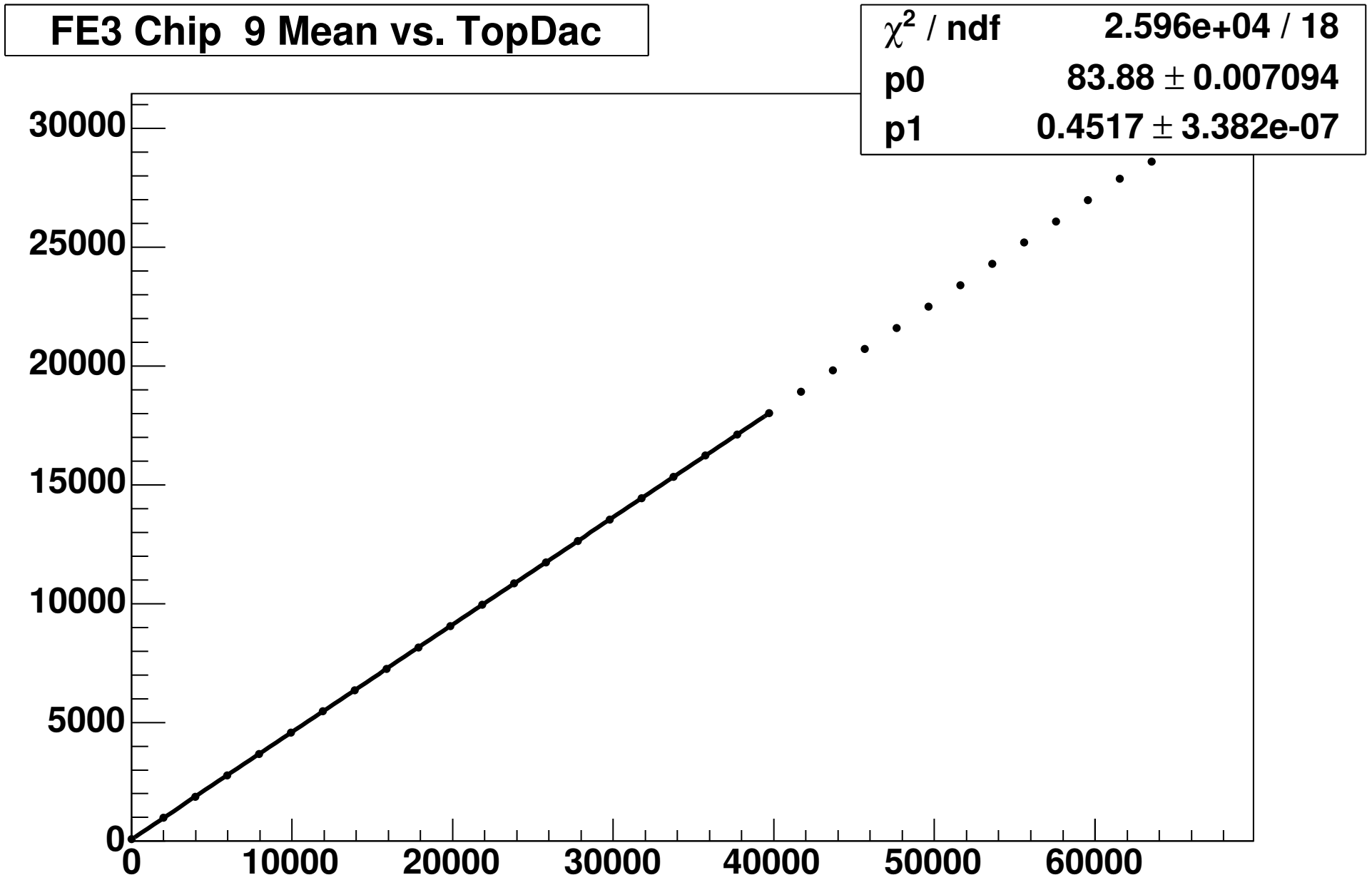

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 18.25 / 18
p0 1.464 ± 0.002466
p1 1.727e-13 ± 1.306e-05
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

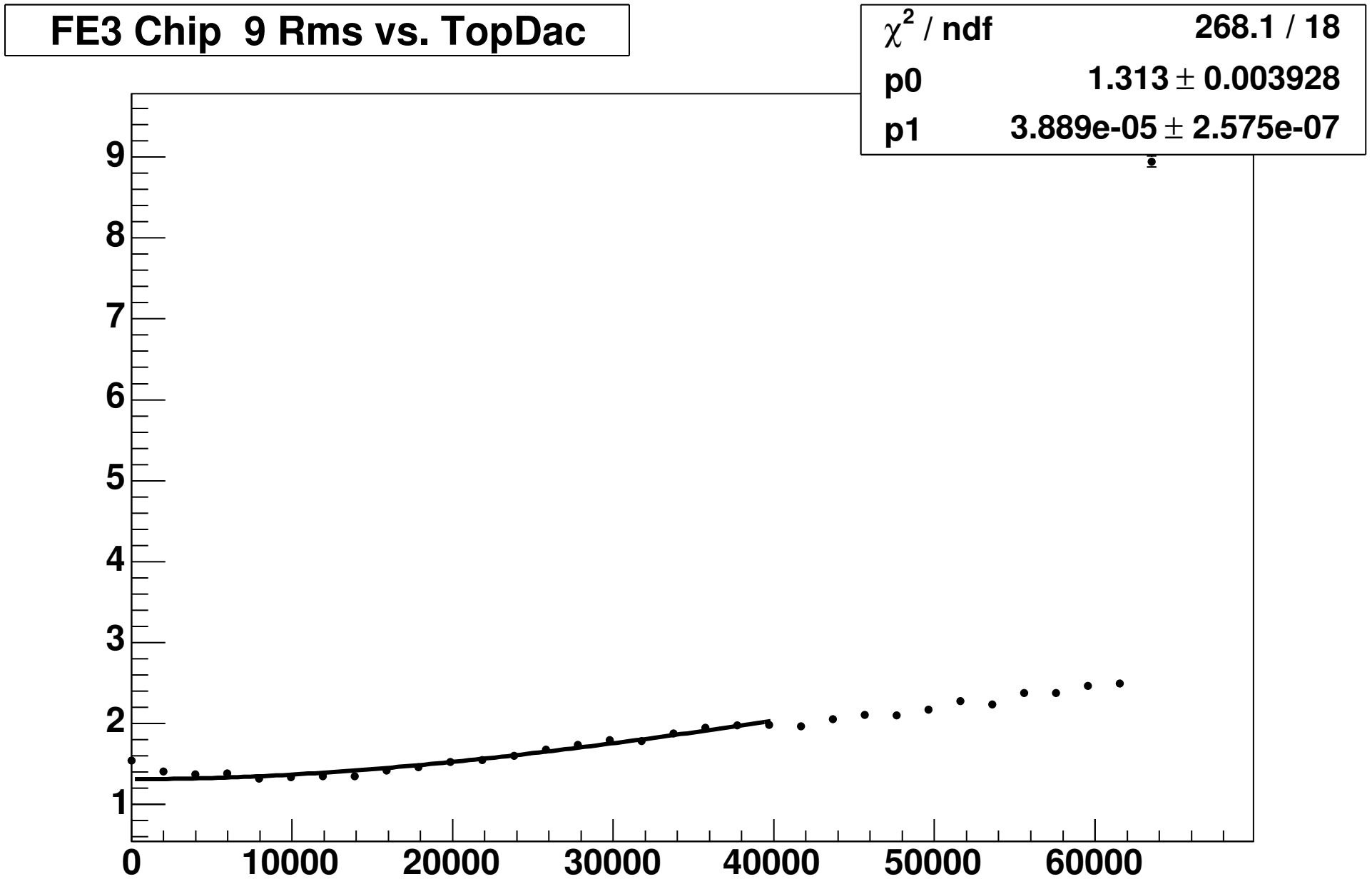

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.897e+04 / 18
p0 81.04 ± 0.007223
p1 0.4517 ± 3.379e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

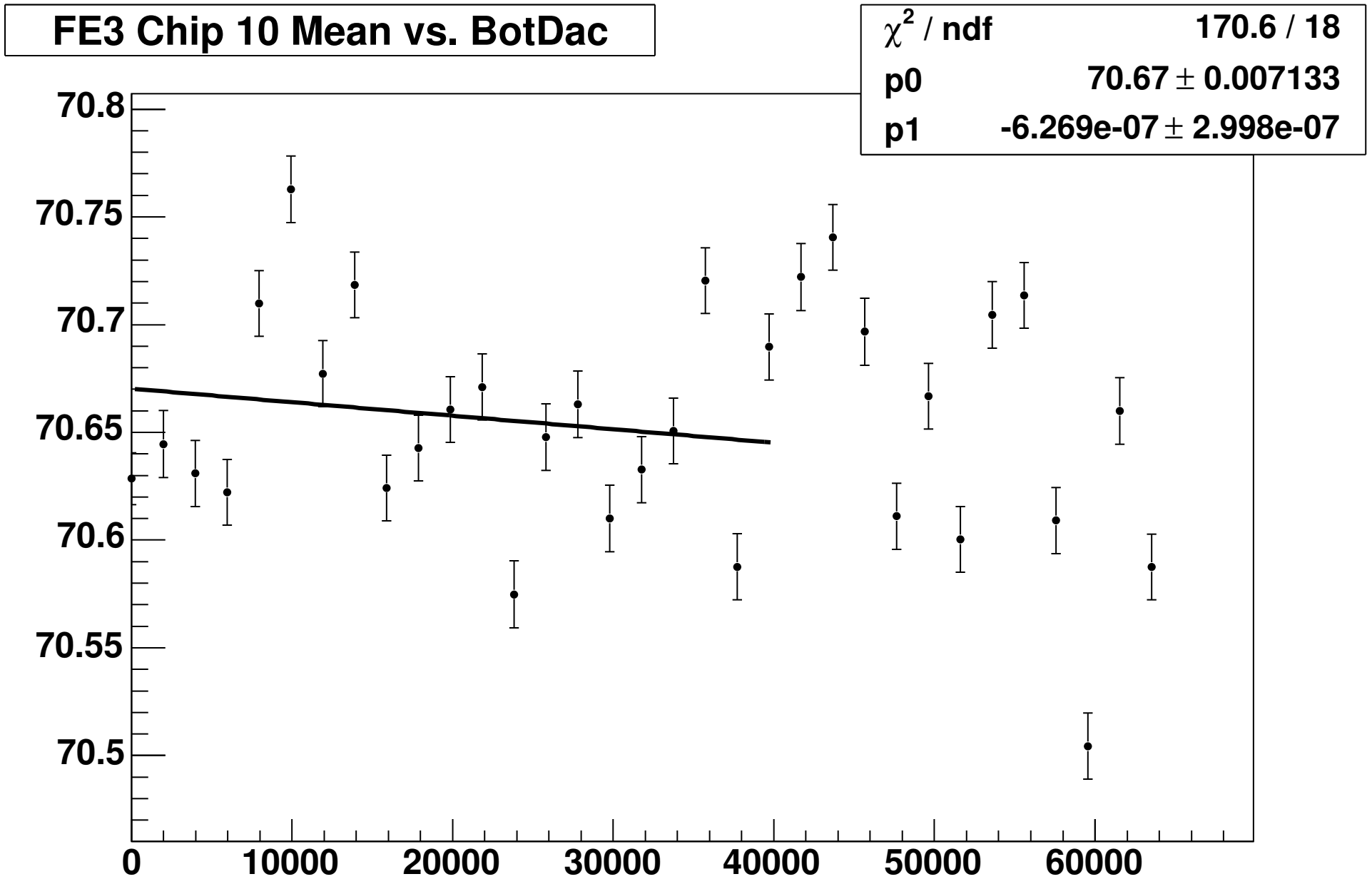

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 415.5 / 18
p0 1.336 ± 0.003925
p1 3.545e-05 ± 2.719e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

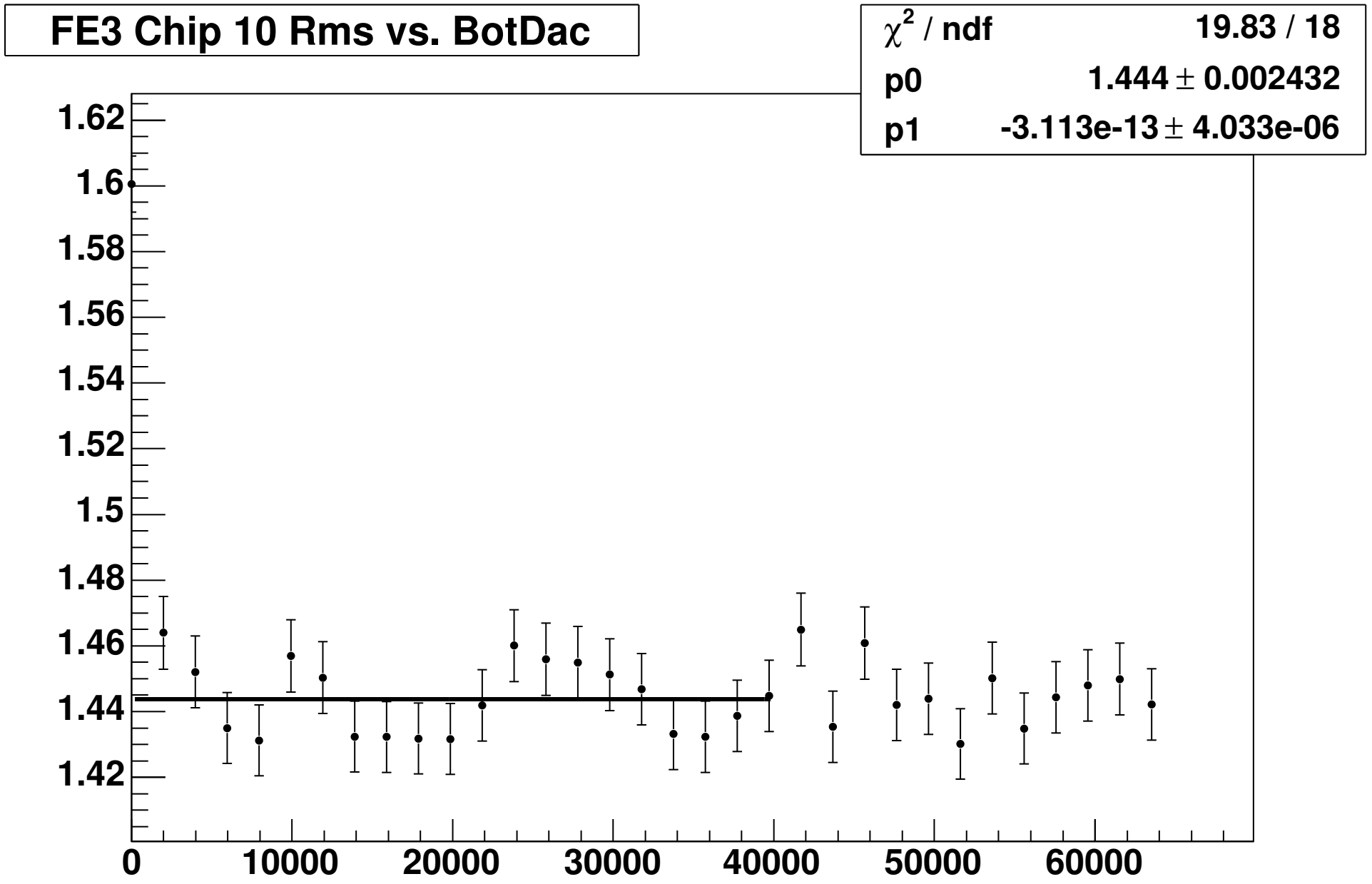

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 166.8 / 18
p0 85.02 ± 0.007055
p1 2.598e-06 ± 2.958e-07
85.25
85.2
85.15
85.1
85.05
85
84.95
0
10000
20000
30000
40000
50000
60000

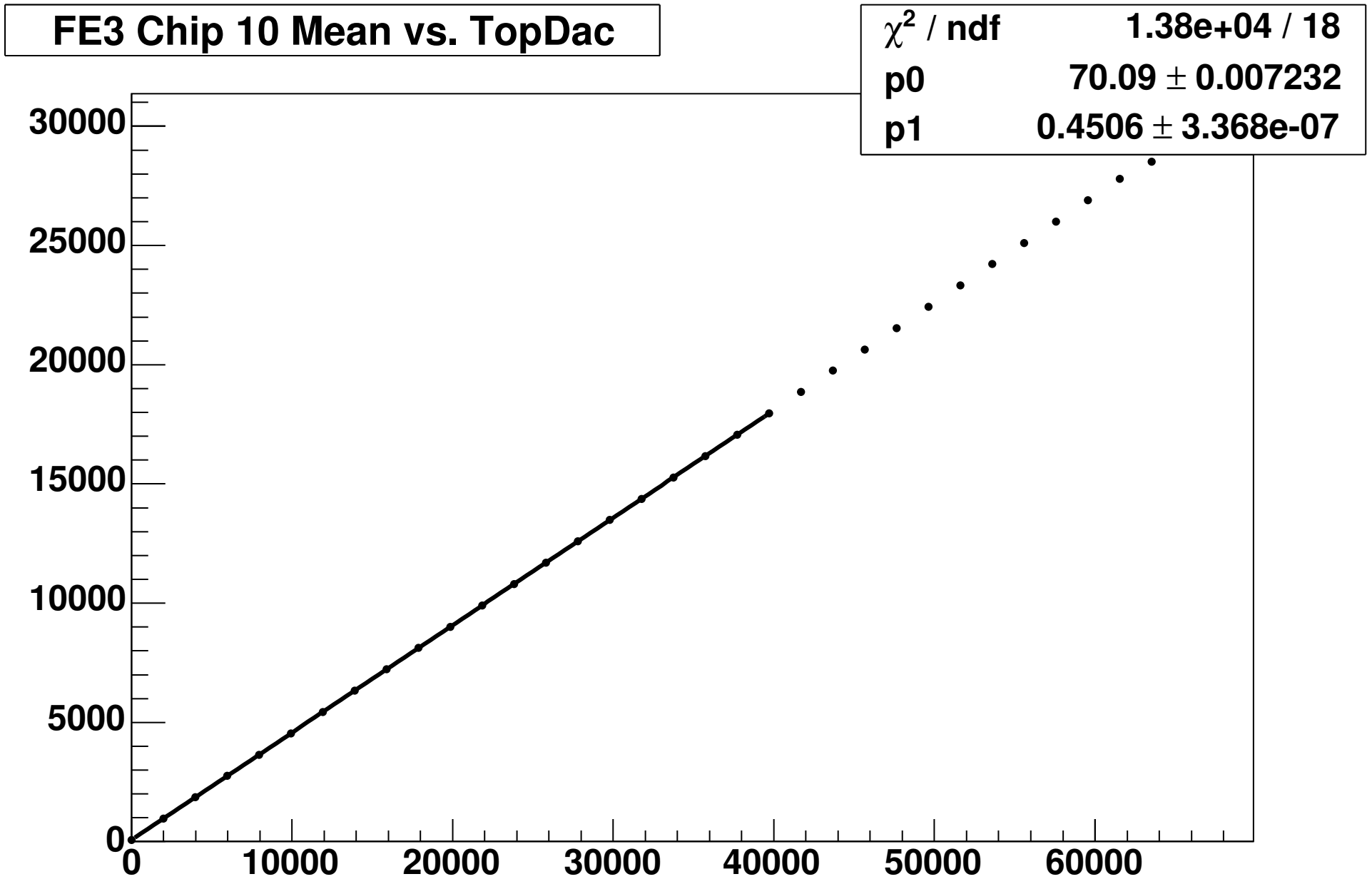

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 33.49 / 18
p0 1.426 ± 0.002402
p1 -6.805e-13 ± 1.874e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 2.596e+04 / 18
p0 83.88 ± 0.007094
p1 0.4517 ± 3.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 268.1 / 18
p0 1.313 ± 0.003928
p1 3.889e-05 ± 2.575e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. BotDac
χ^2 / ndf 170.6 / 18
p0 70.67 ± 0.007133
p1 -6.269e-07 ± 2.998e-07
70.8
70.75
70.7
70.65
70.6
70.55
70.5
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 19.83 / 18
p0 1.444 ± 0.002432
p1 -3.113e-13 ± 4.033e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.38e+04 / 18
p0 70.09 ± 0.007232
p1 0.4506 ± 3.368e-07
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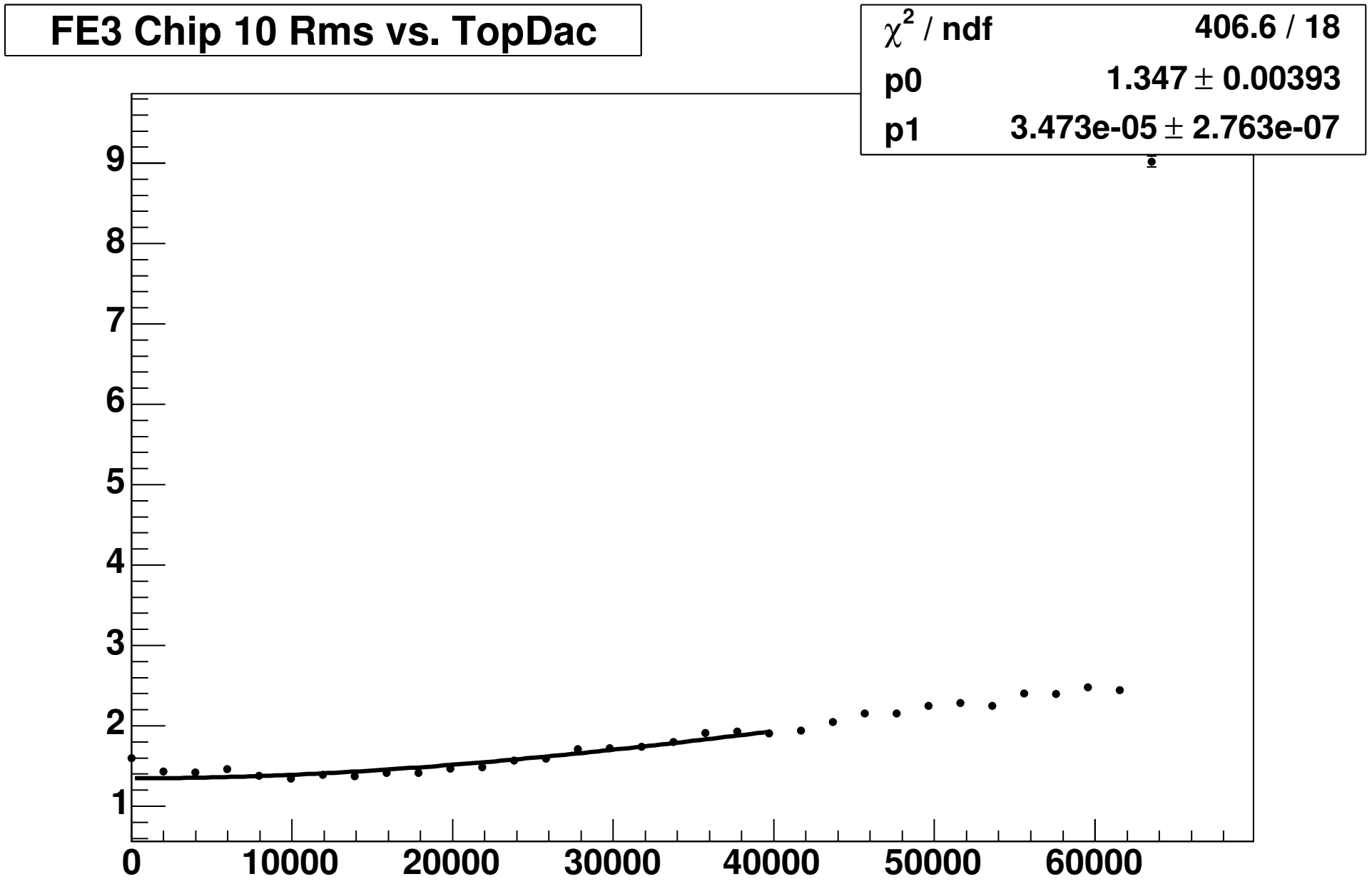
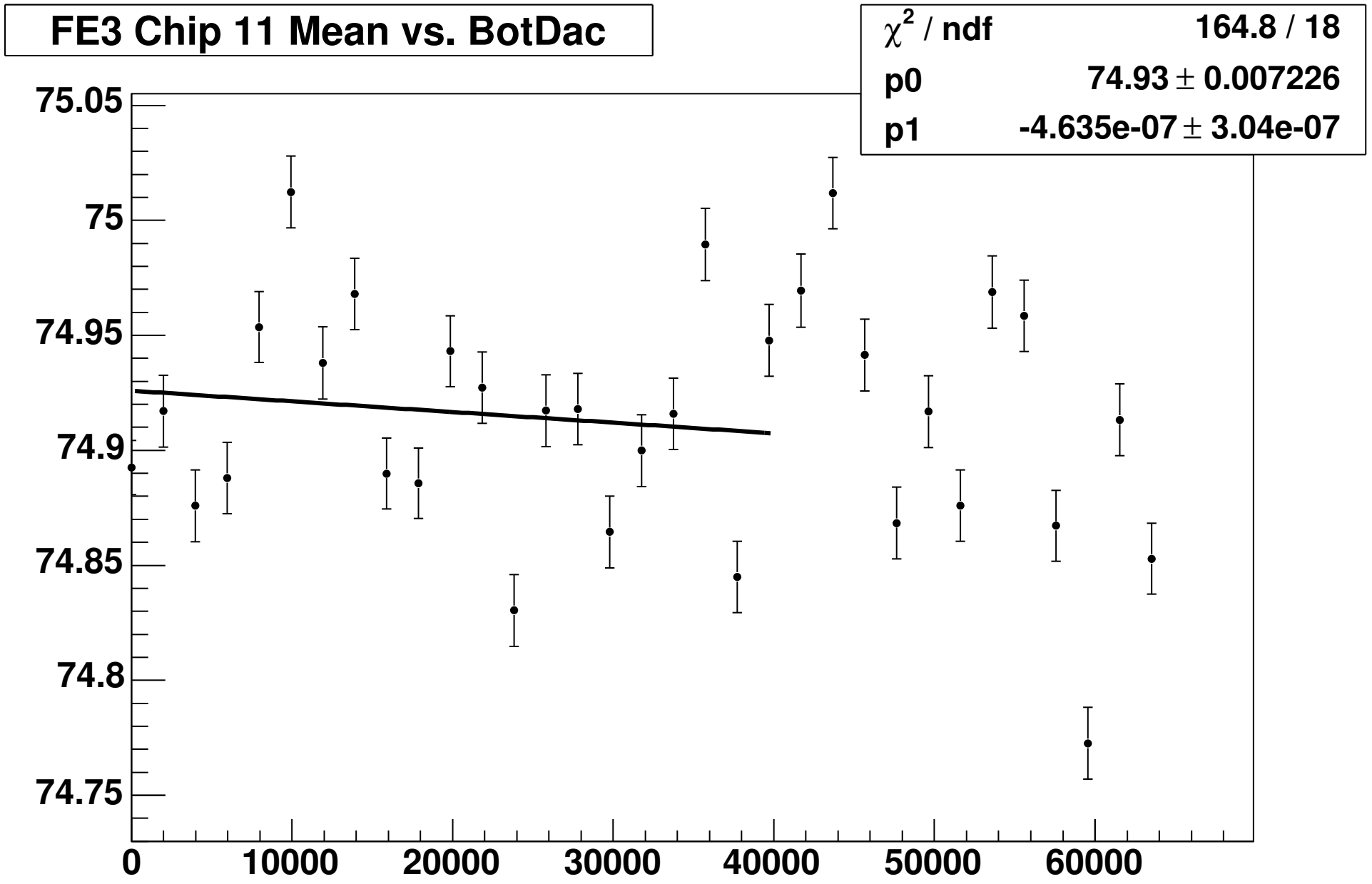
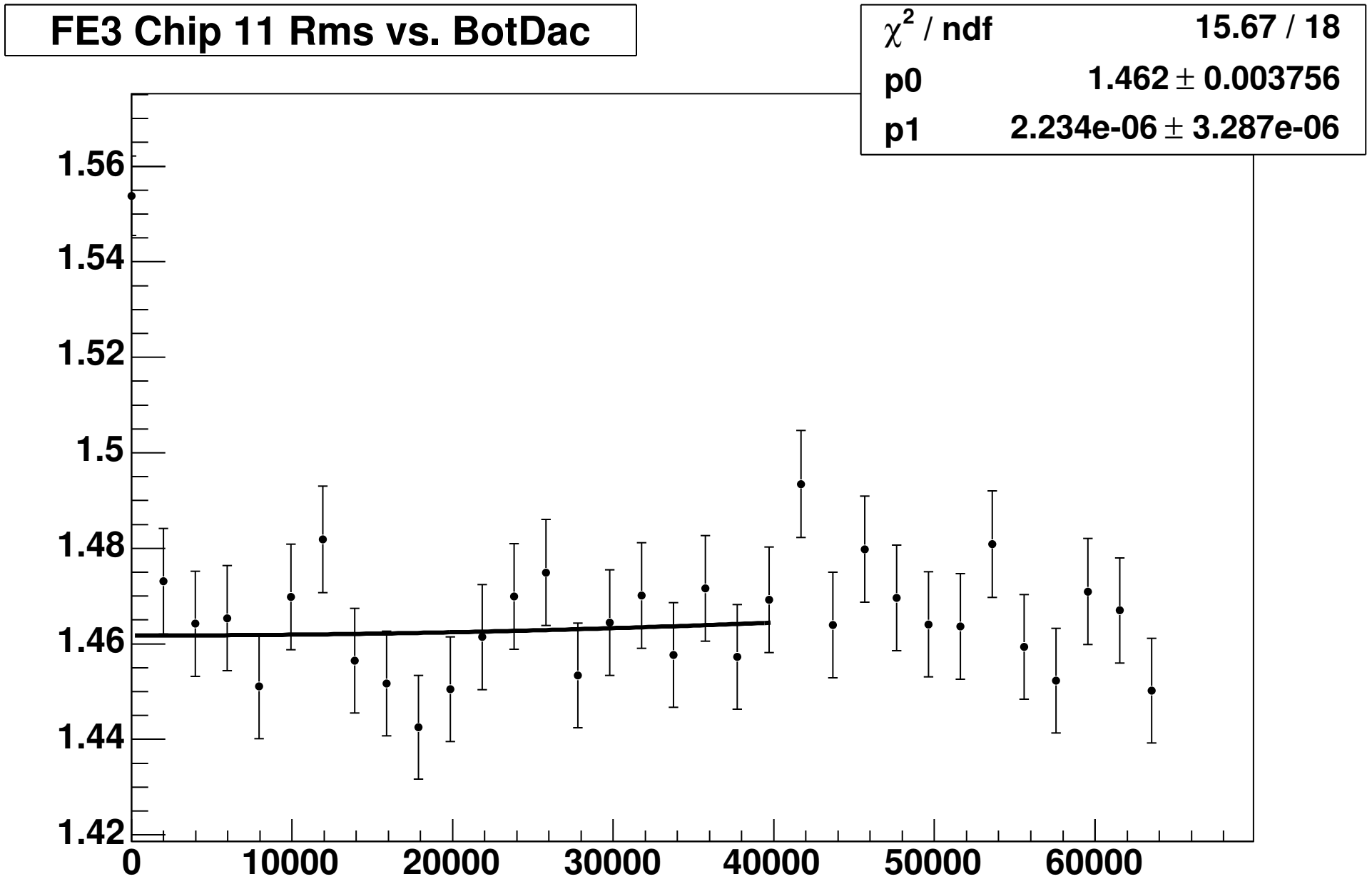
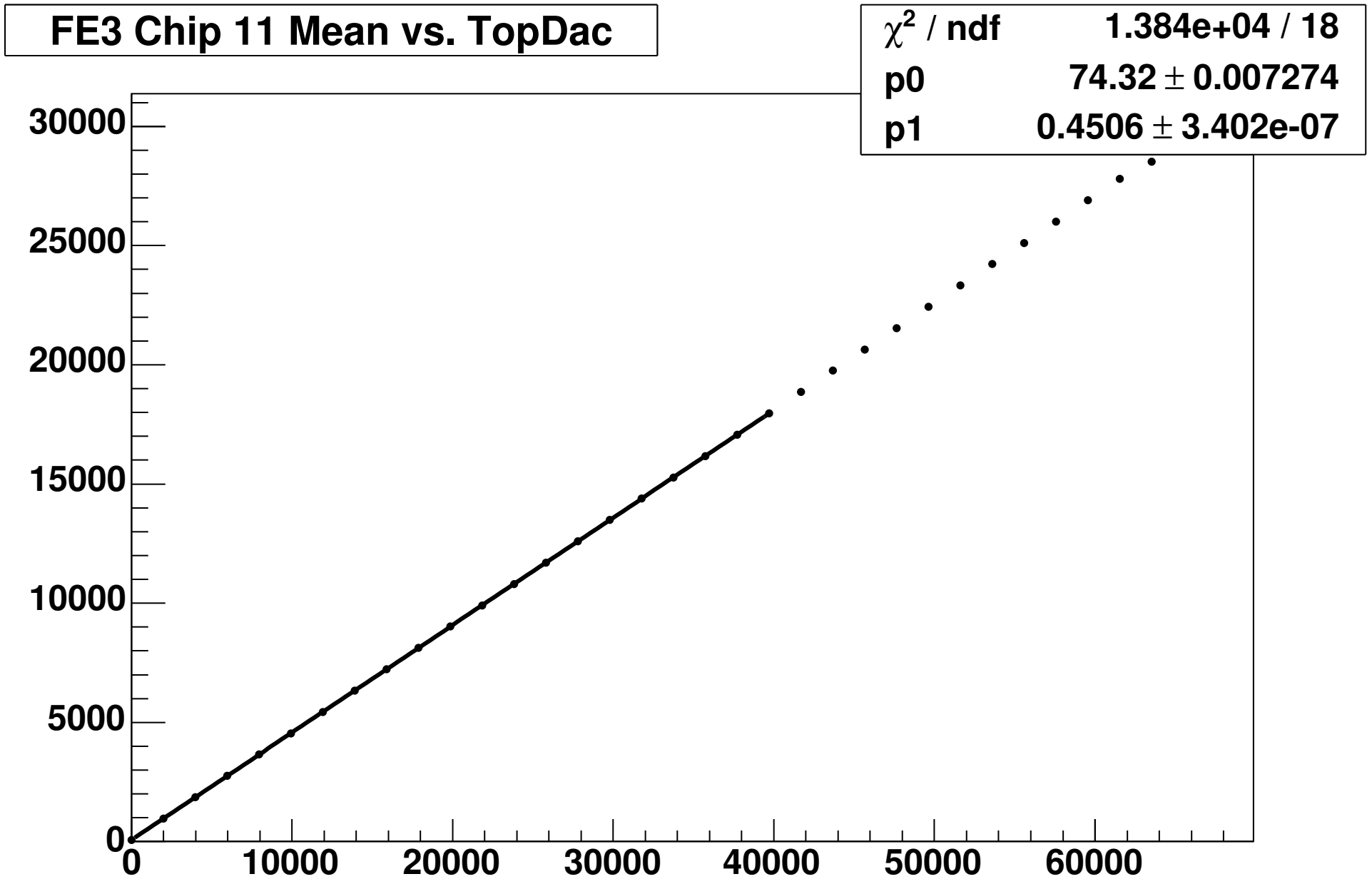
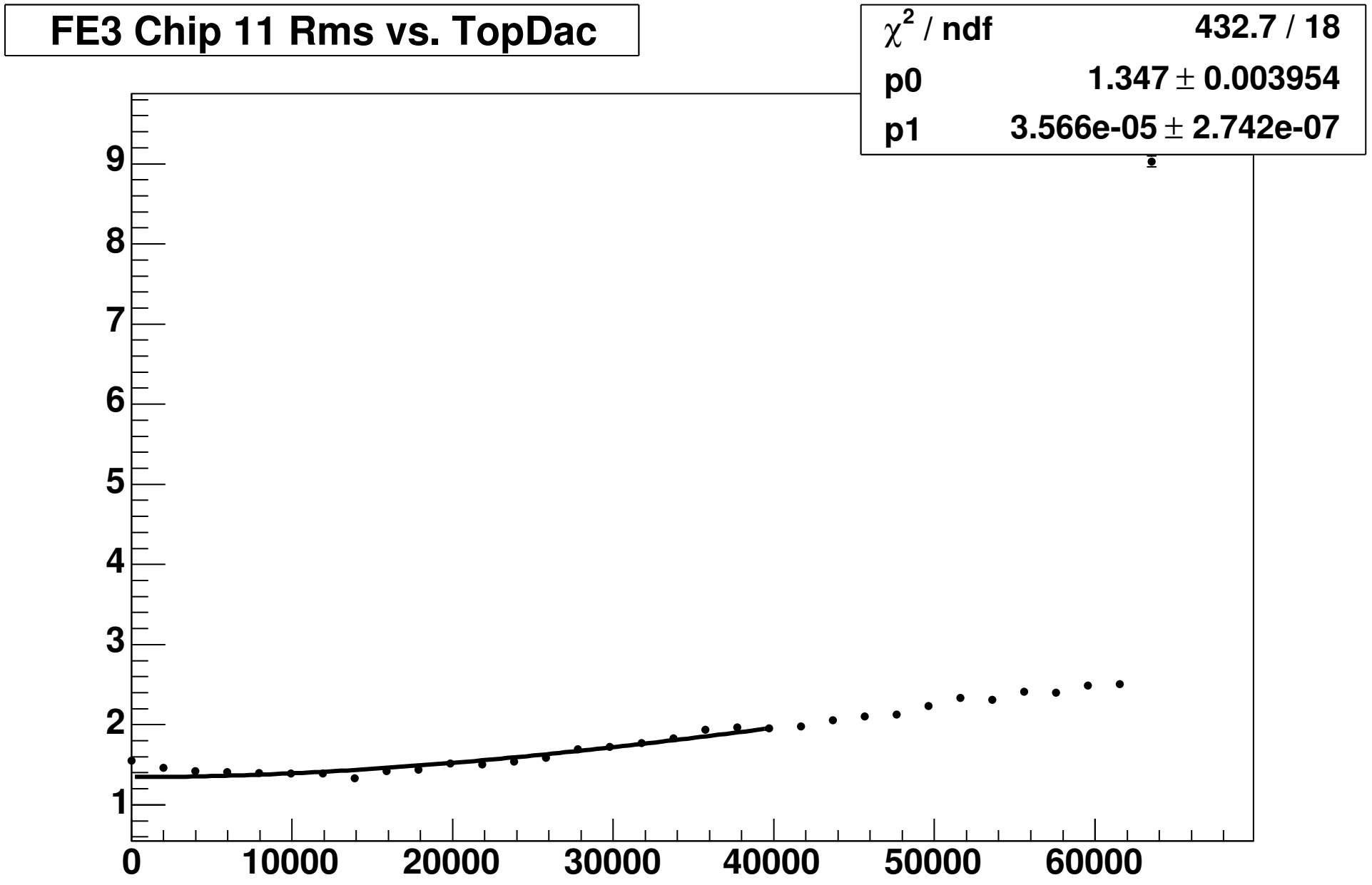
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

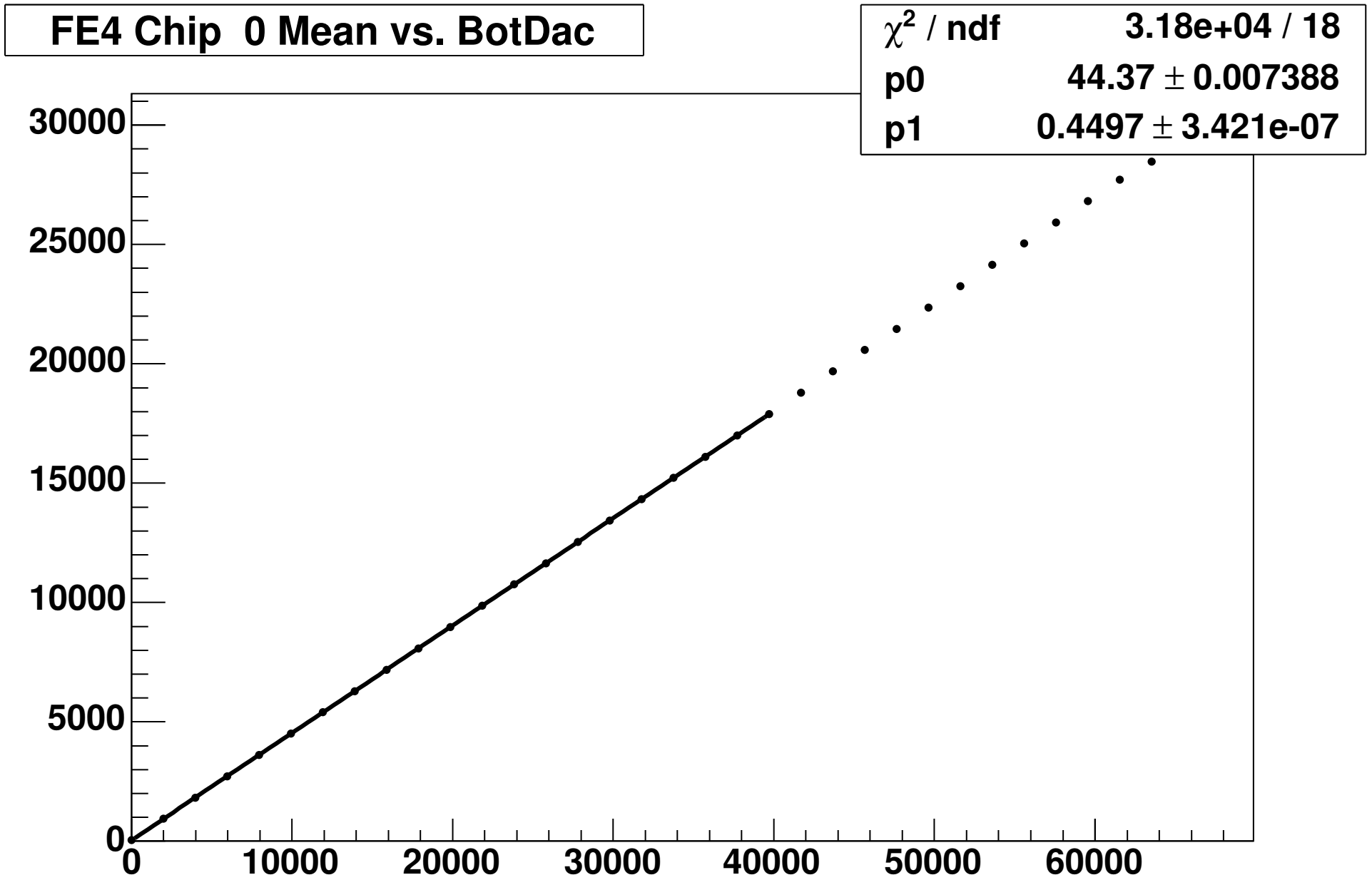

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 406.6 / 18
p0 1.347 ± 0.00393
p1 3.473e-05 ± 2.763e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

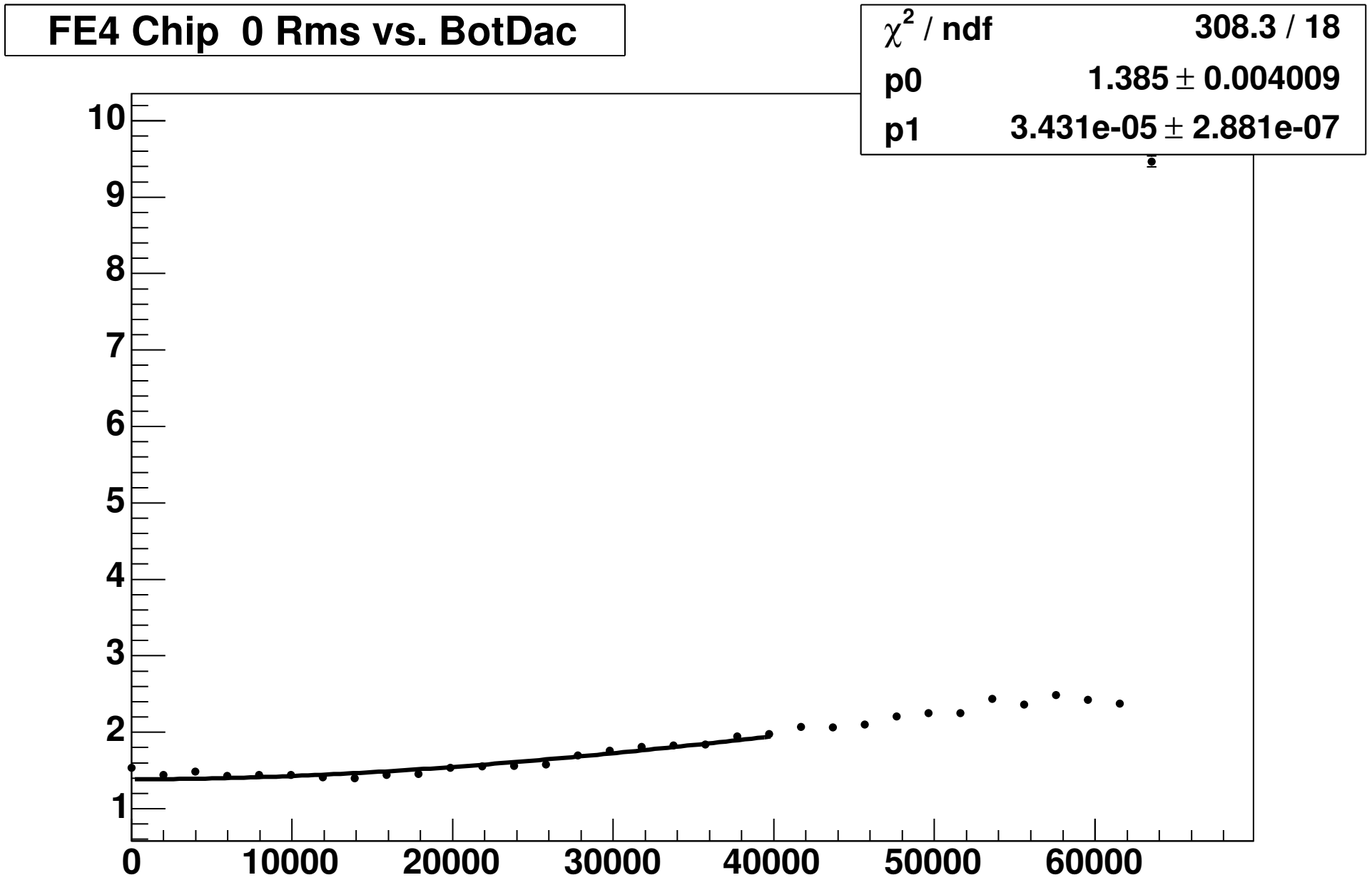

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 164.8 / 18
p0 74.93 ± 0.007226
p1 -4.635e-07 ± 3.04e-07
75.05
75
74.95
74.9
74.85
74.8
74.75
0
10000
20000
30000
40000
50000
60000

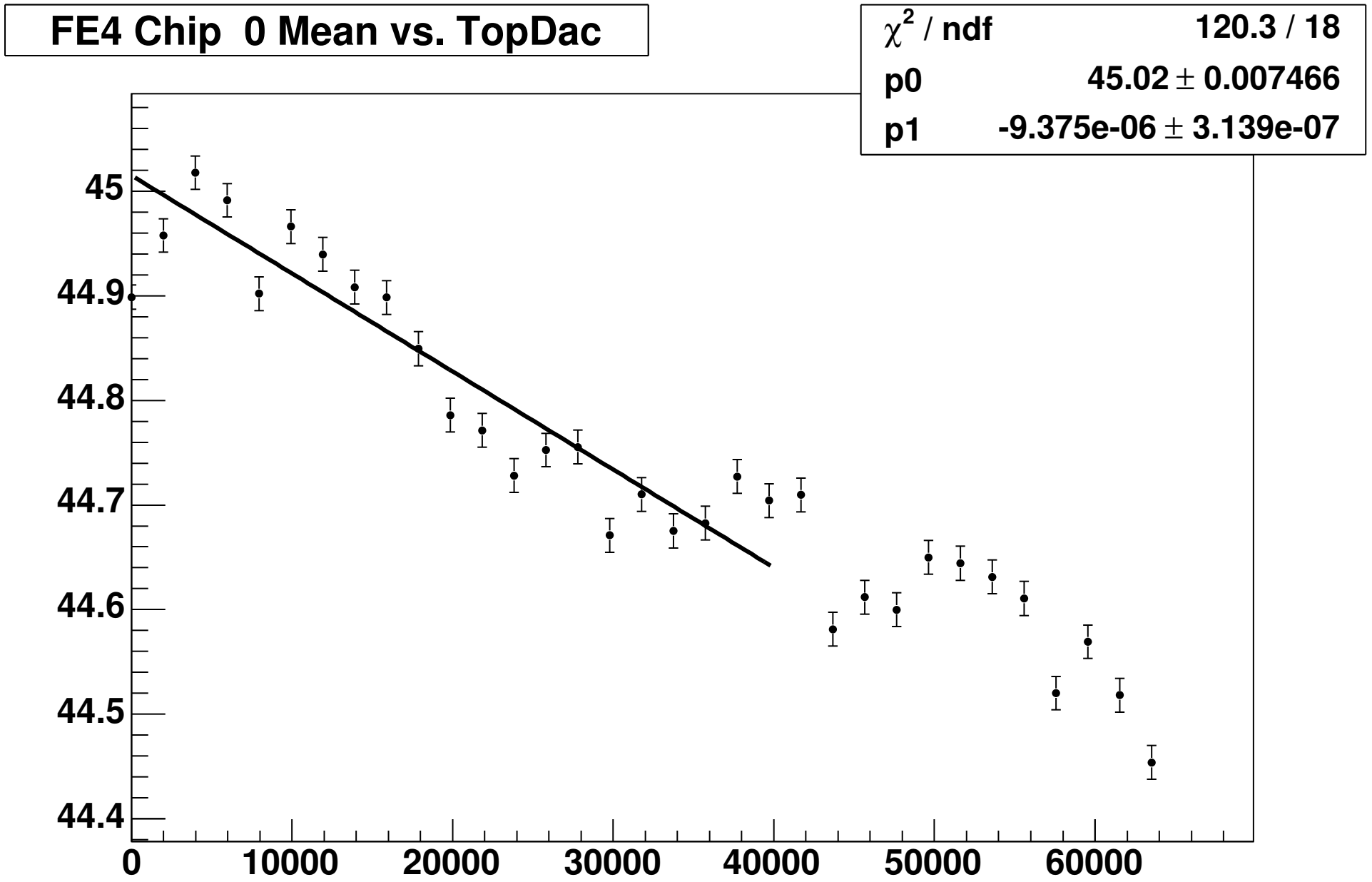

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 15.67 / 18
p0 1.462 ± 0.003756
p1 2.234e-06 ± 3.287e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

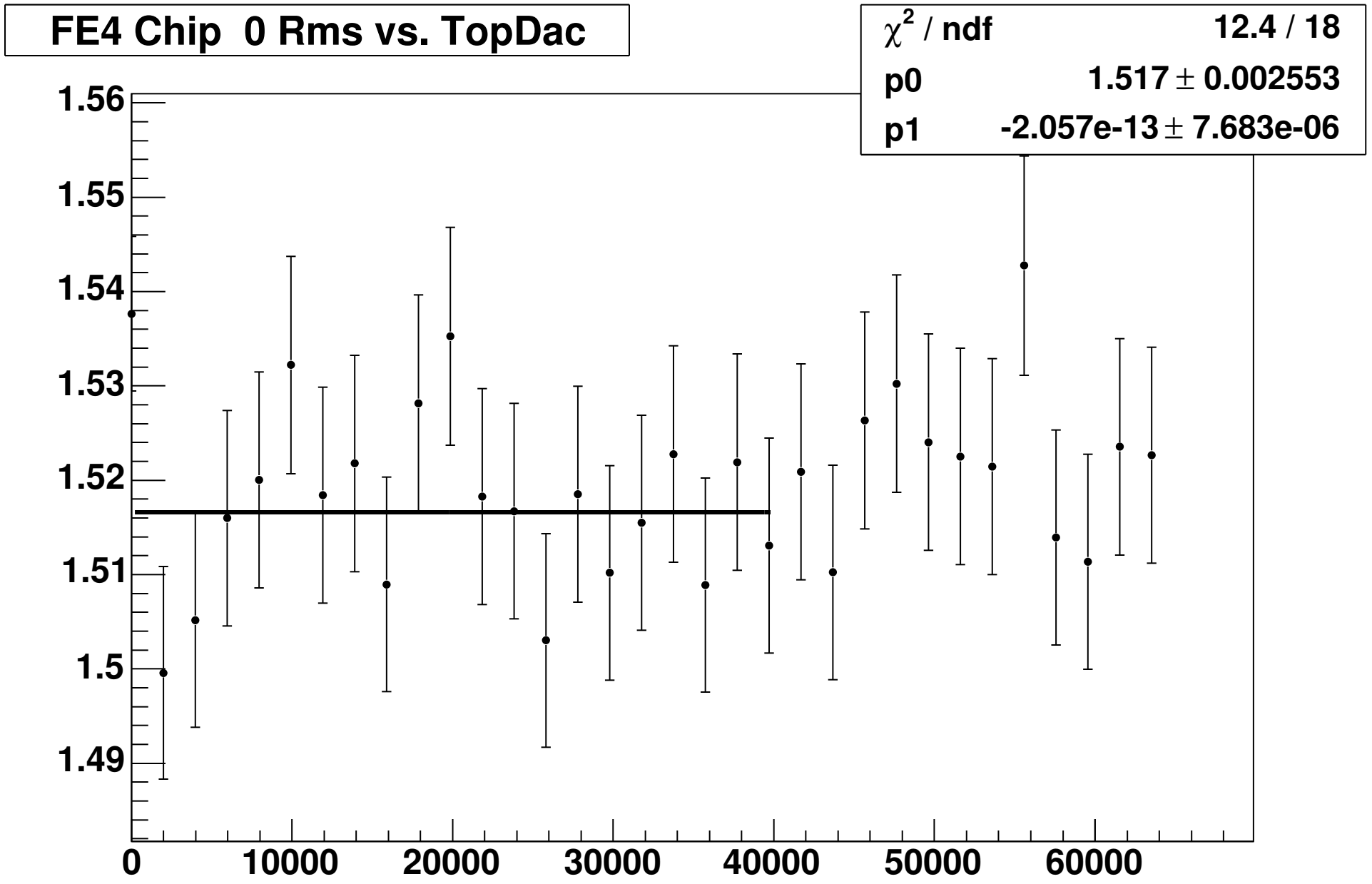

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.384e+04 / 18
p0 74.32 ± 0.007274
p1 0.4506 ± 3.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

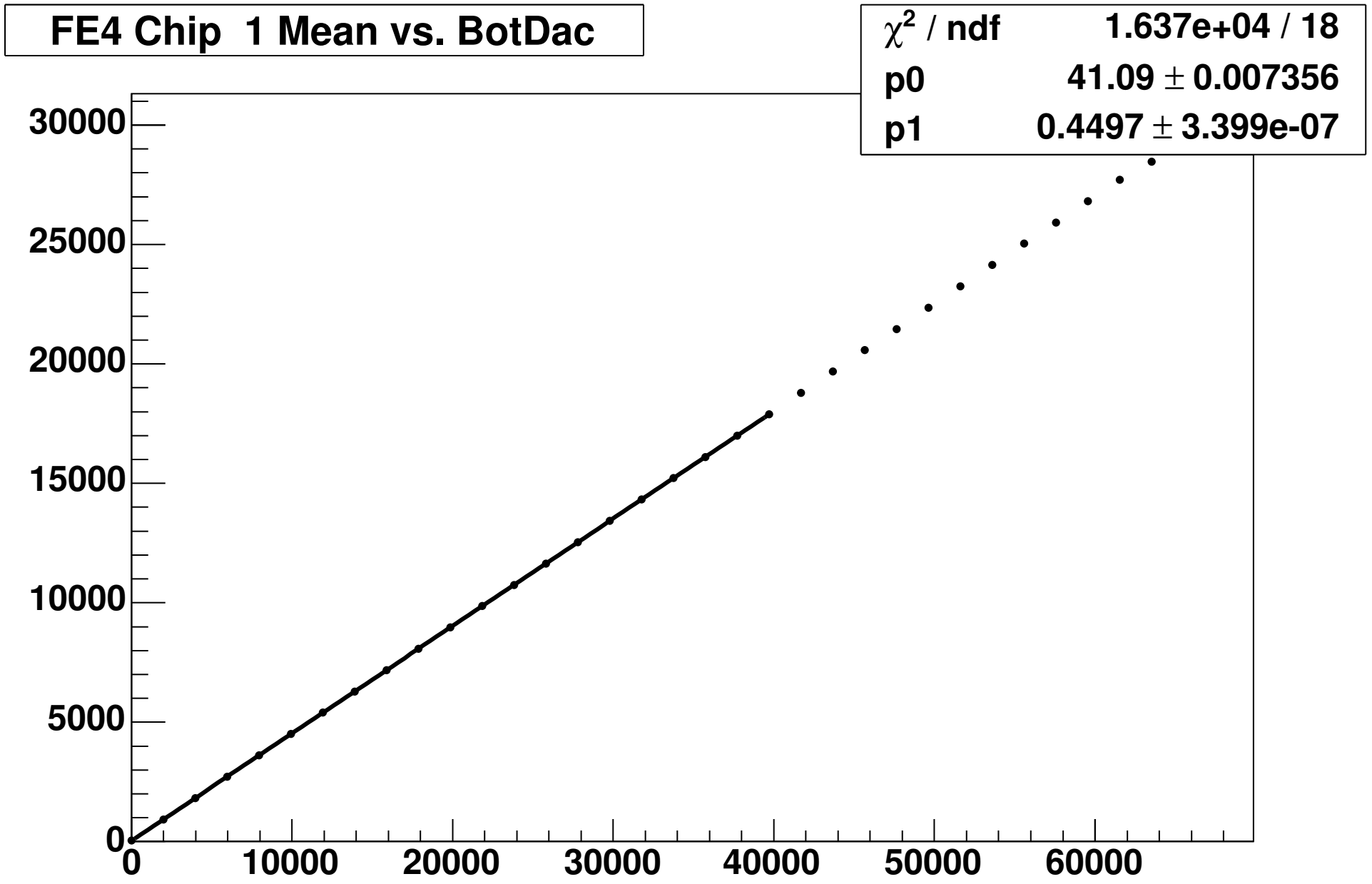

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 432.7 / 18
p0 1.347 ± 0.003954
p1 3.566e-05 ± 2.742e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

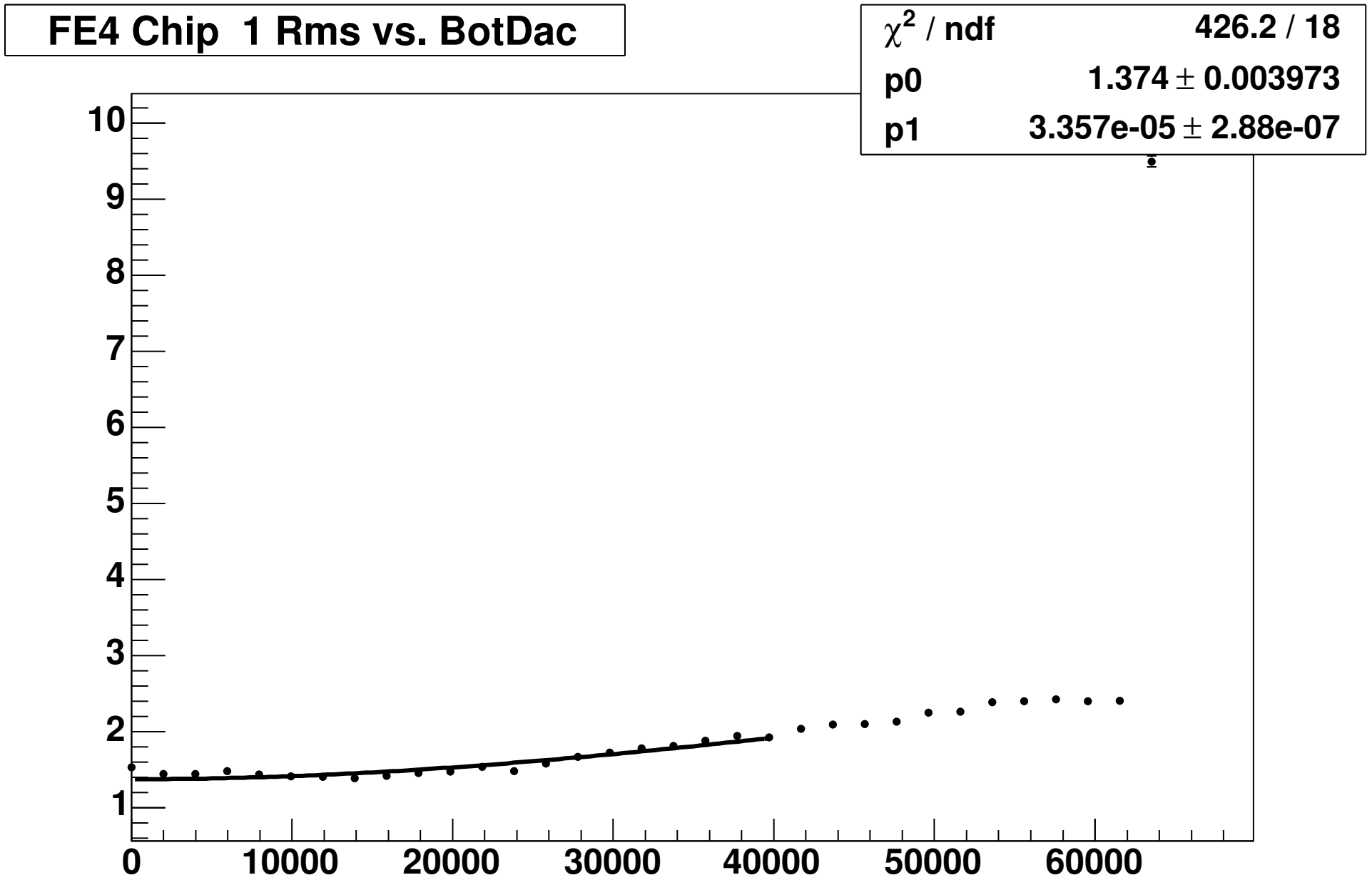

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 3.18e+04 / 18
p0 44.37 ± 0.007388
p1 0.4497 ± 3.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

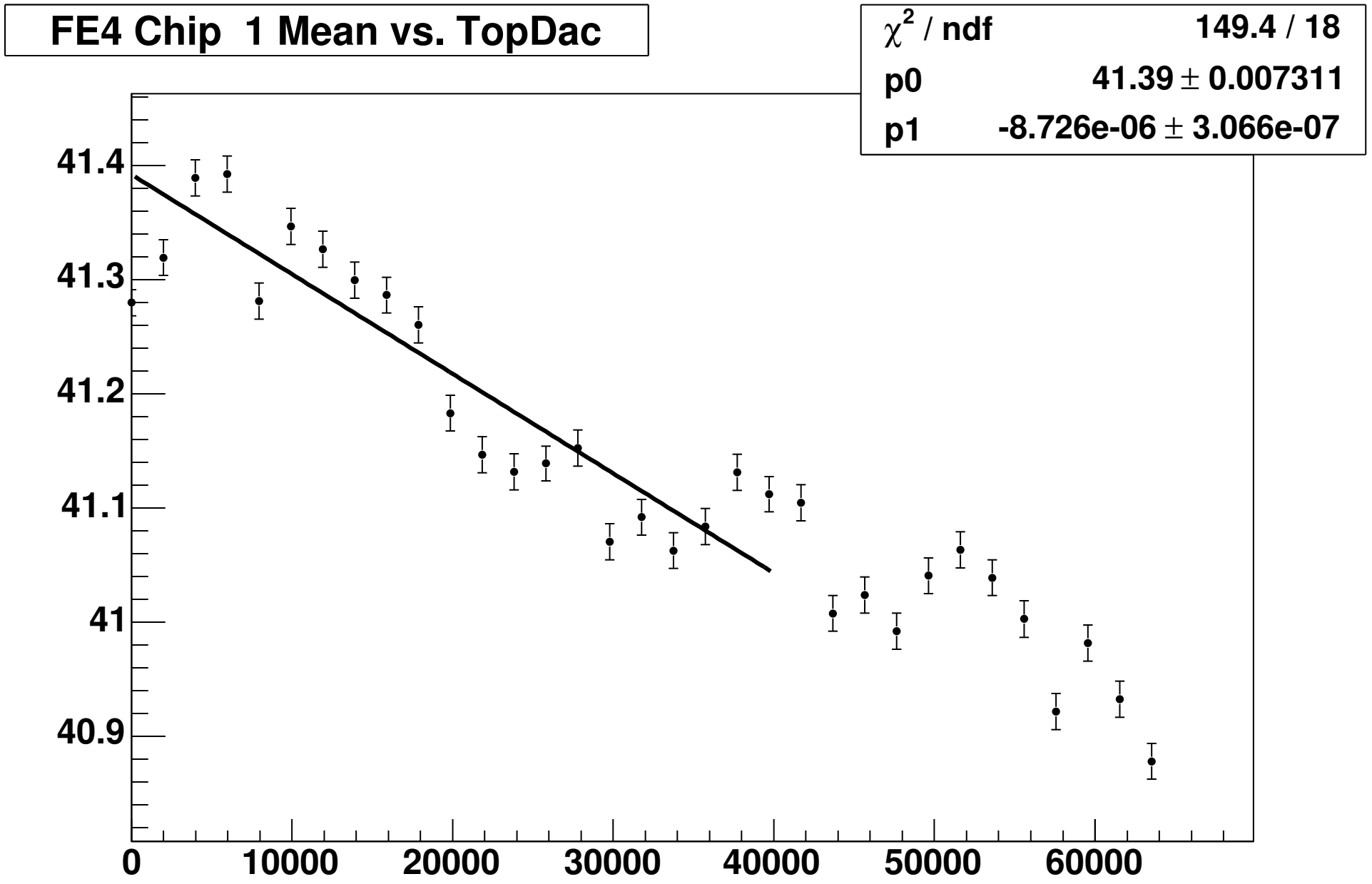

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 308.3 / 18
p0 1.385 ± 0.004009
p1 3.431e-05 ± 2.881e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

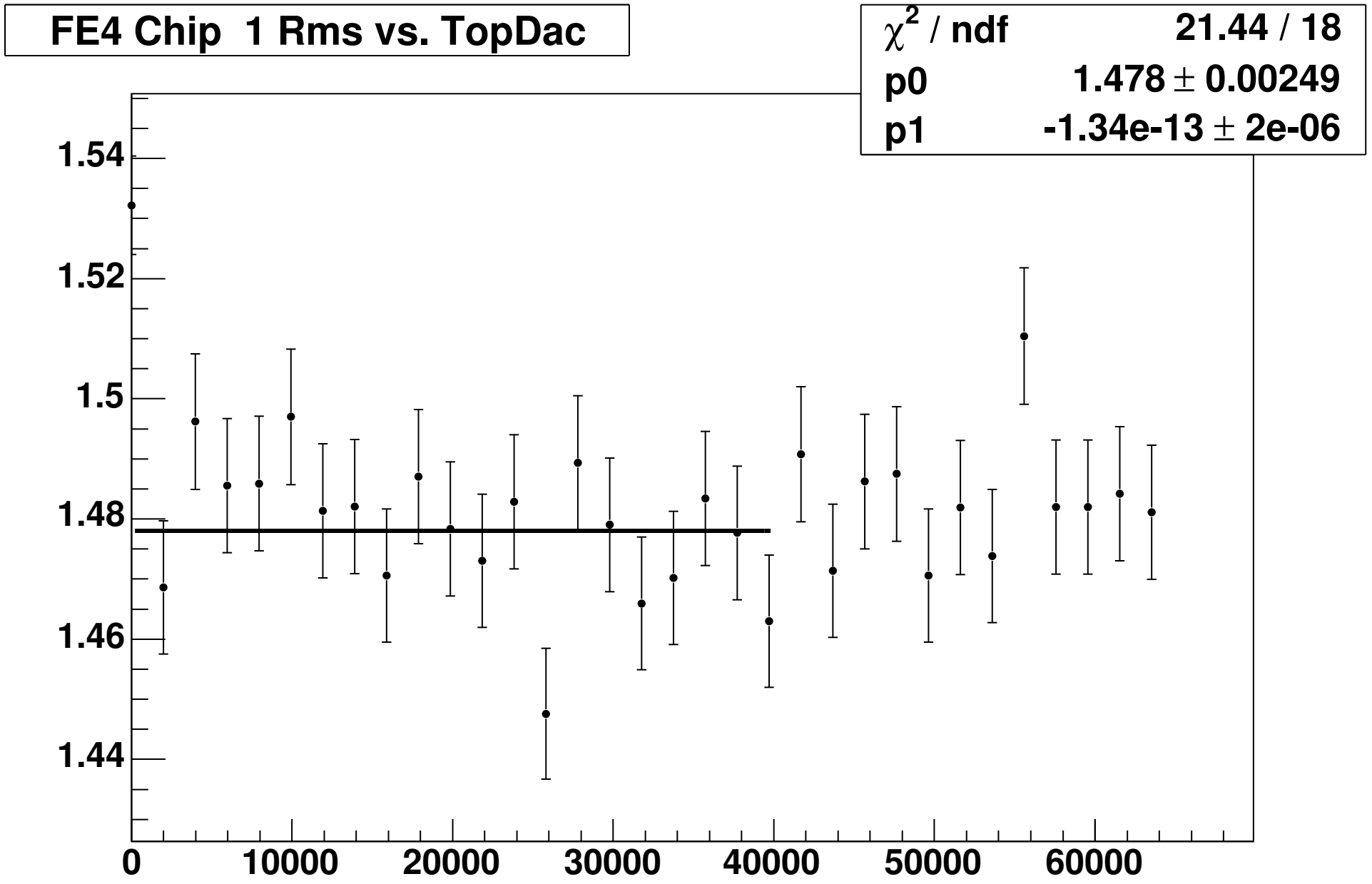

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 120.3 / 18
p0 45.02 ± 0.007466
p1 -9.375e-06 ± 3.139e-07
45
44.9
44.8
44.7
44.6
44.5
44.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 12.4 / 18
p0 1.517 ± 0.002553
p1 -2.057e-13 ± 7.683e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.637e+04 / 18
p0 41.09 ± 0.007356
p1 0.4497 ± 3.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 426.2 / 18
p0 1.374 ± 0.003973
p1 3.357e-05 ± 2.88e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 149.4 / 18
p0 41.39 ± 0.007311
p1 -8.726e-06 ± 3.066e-07
41.4
41.3
41.2
41.1
41
40.9
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ^2 / ndf 21.44 / 18
p0 1.478 ± 0.00249
p1 -1.34e-13 ± 2e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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50000
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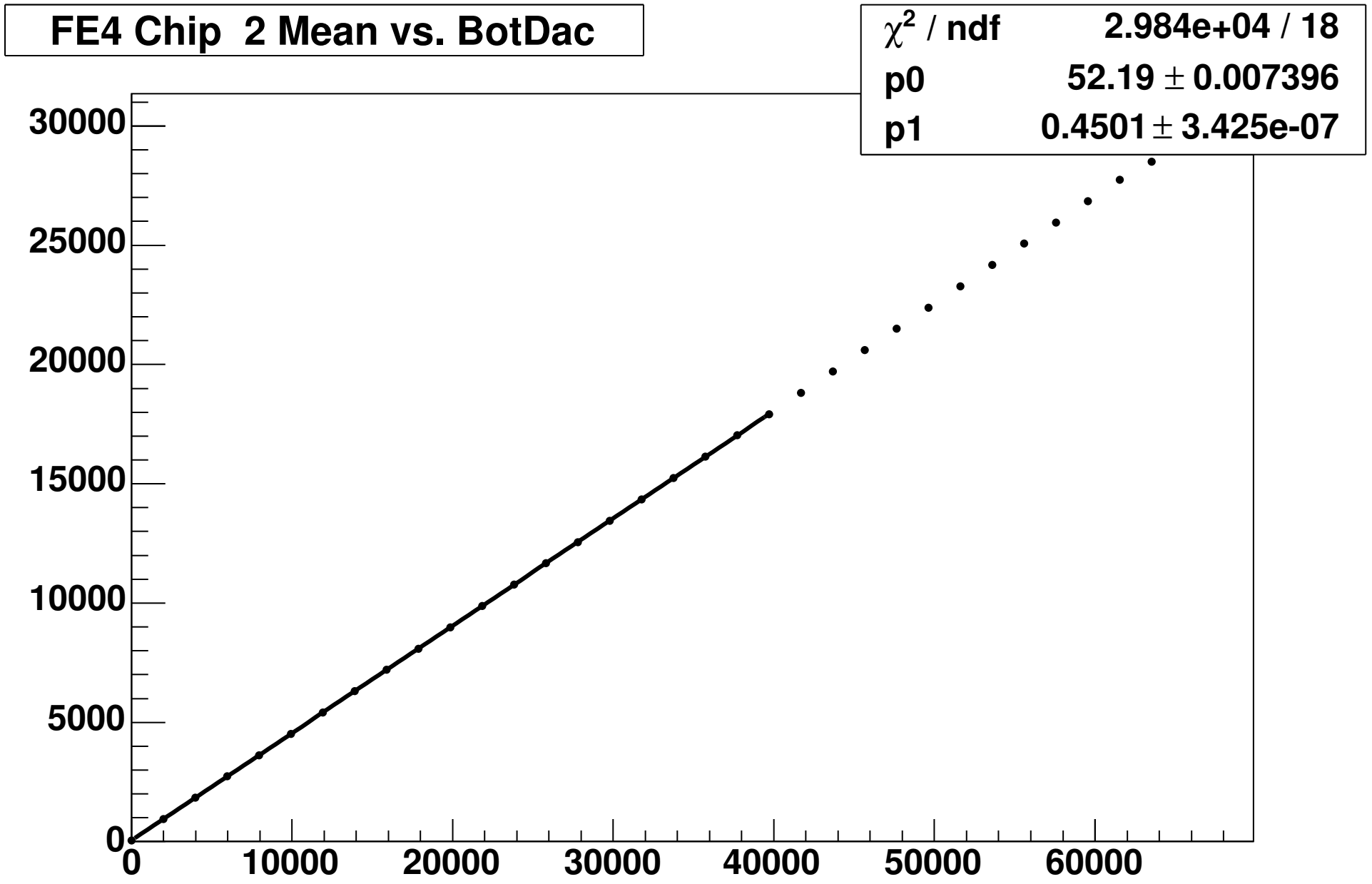
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 2.984e+04 / 18
p0 52.19 ± 0.007396
p1 0.4501 ± 3.425e-07
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5000
0
0
10000
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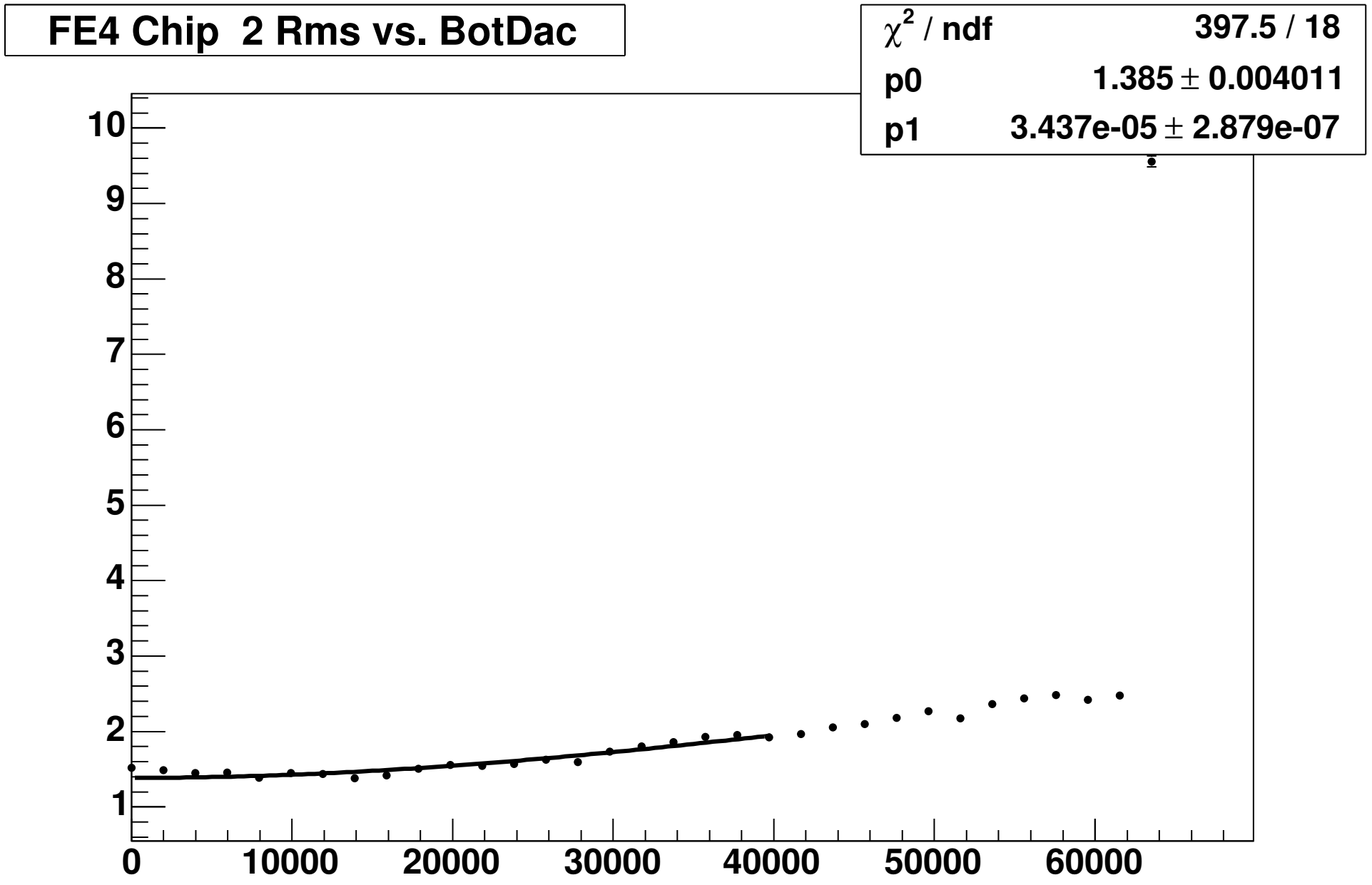
FE4 Chip 2 Rms vs. BotDac
χ² / ndf 397.5 / 18
p0 1.385 ± 0.004011
p1 3.437e-05 ± 2.879e-07
10
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8
7
6
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4
3
2
1
0
10000
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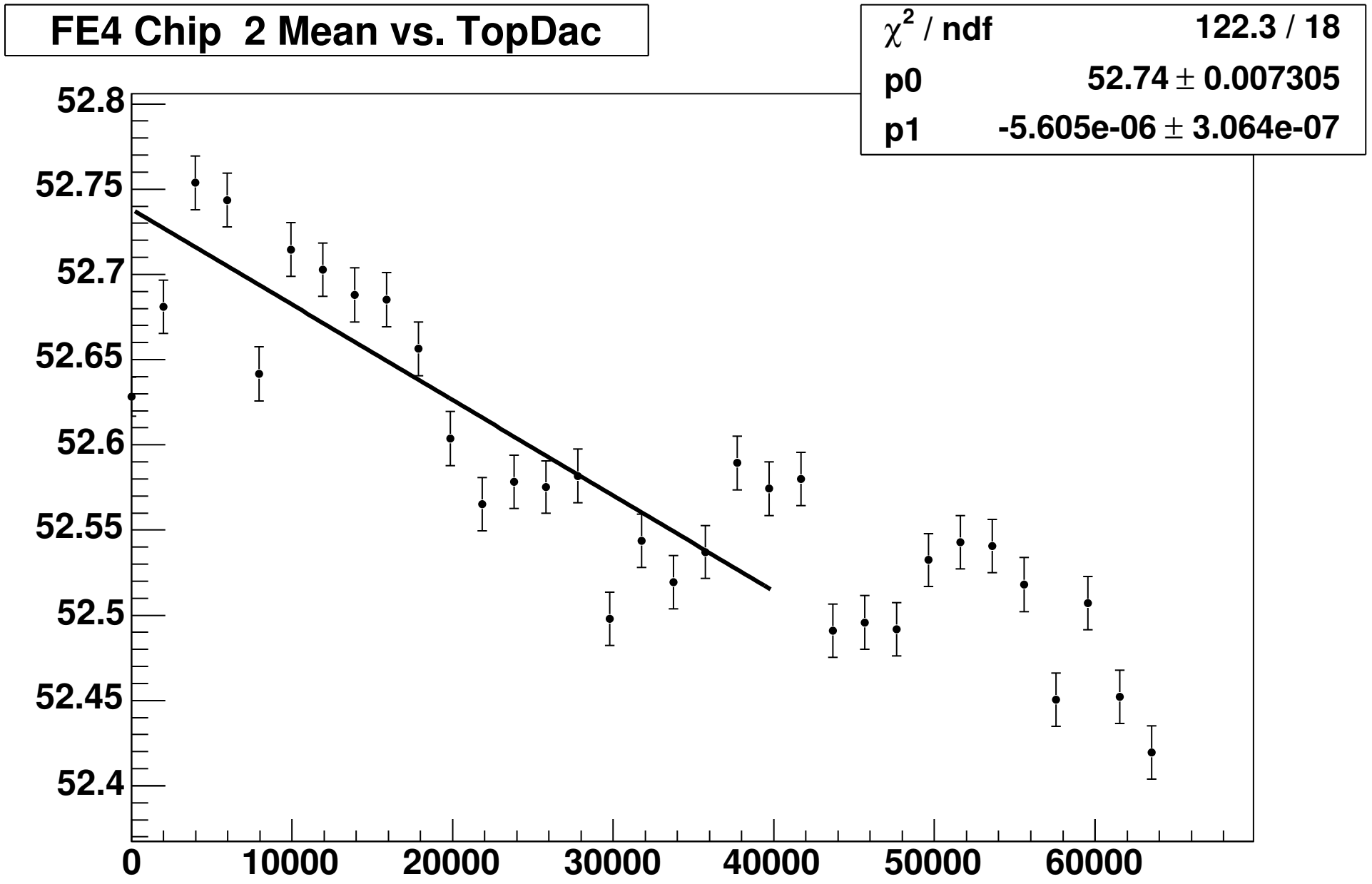
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 122.3 / 18
p0 52.74 ± 0.007305
p1 -5.605e-06 ± 3.064e-07
52.8
52.75
52.7
52.65
52.6
52.55
52.5
52.45
52.4
0
10000
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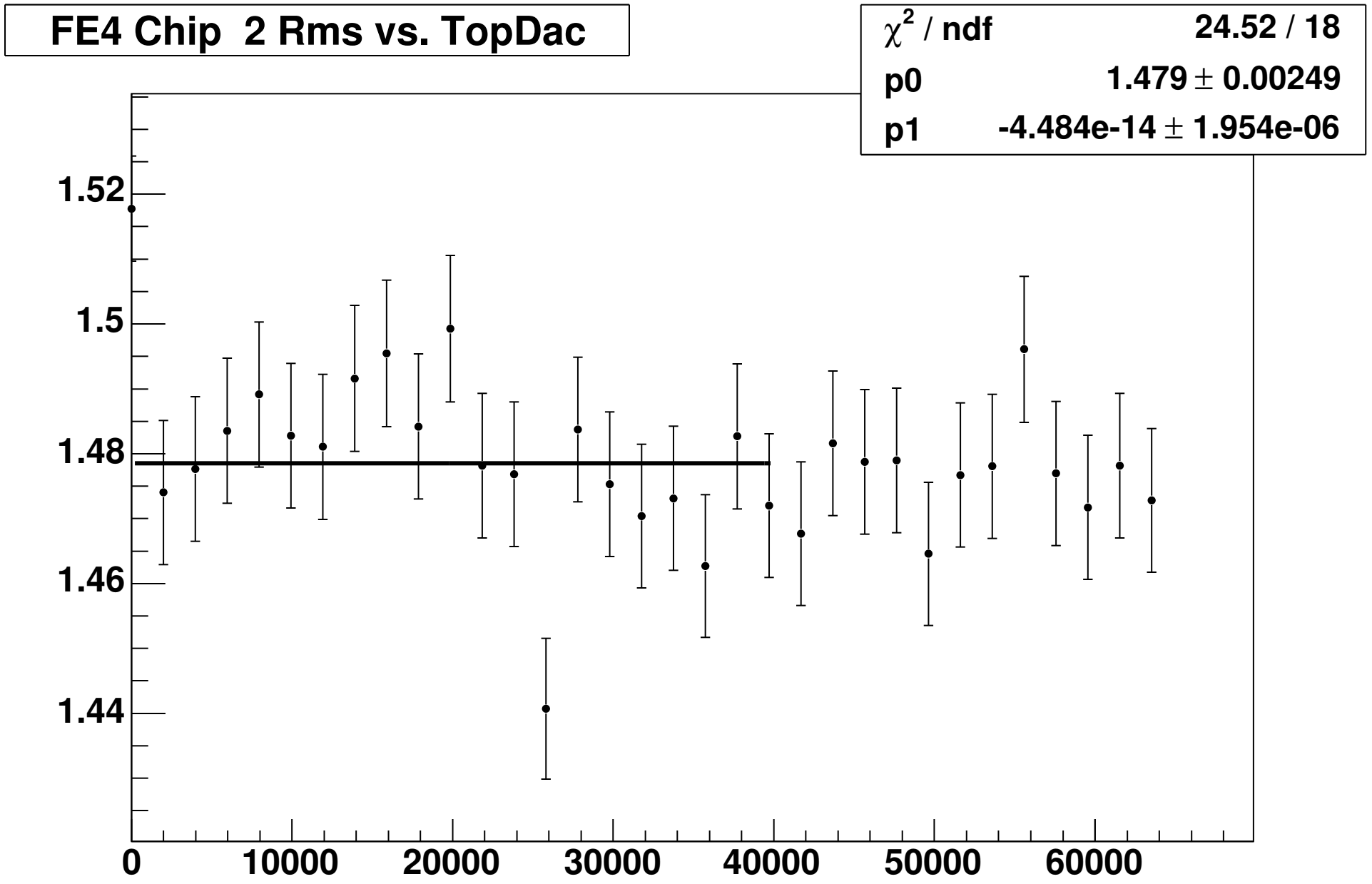
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 24.52 / 18
p0 1.479 ± 0.00249
p1 -4.484e-14 ± 1.954e-06
1.52
1.5
1.48
1.46
1.44
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10000
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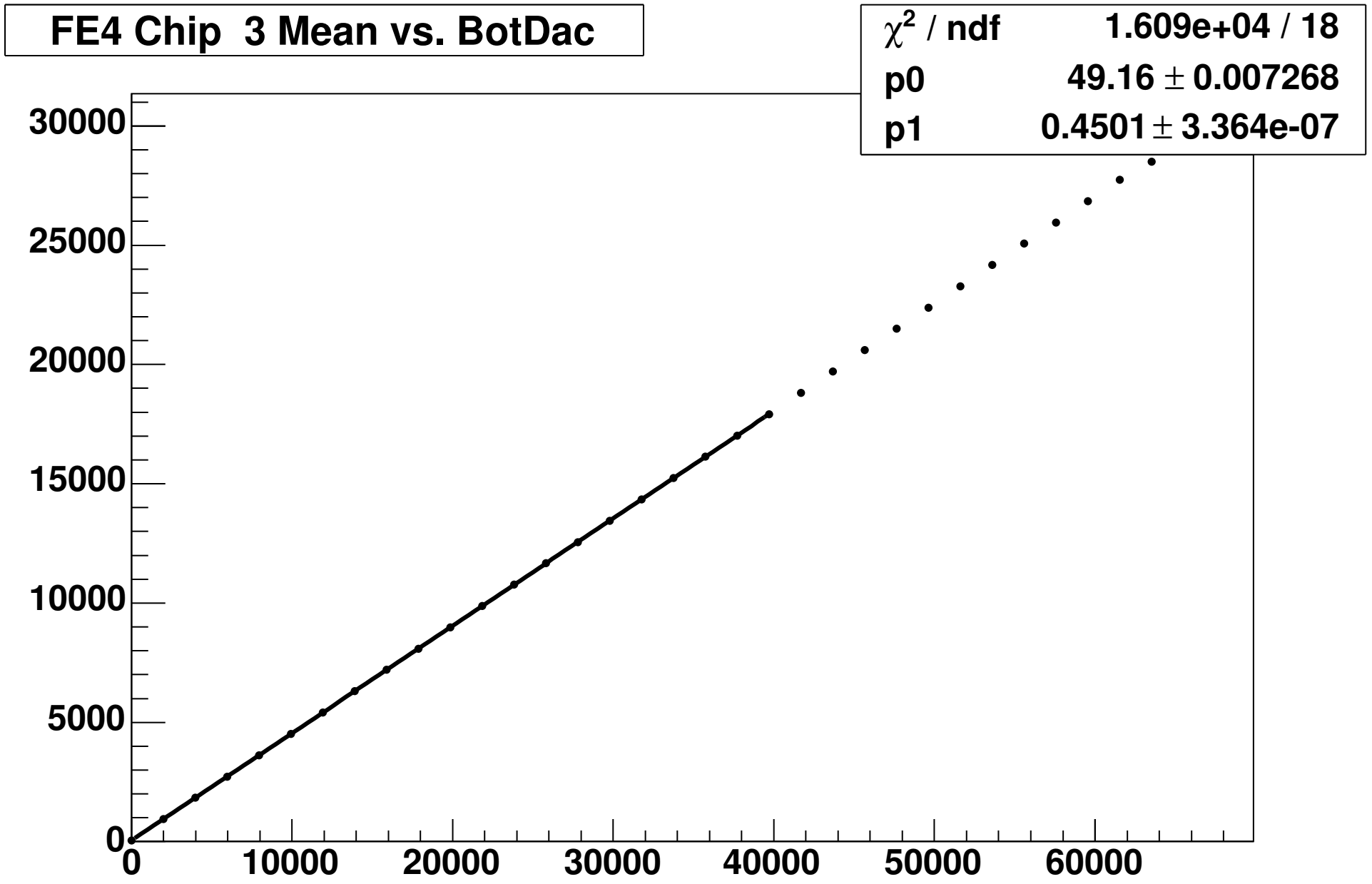
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 1.609e+04 / 18
p0 49.16 ± 0.007268
p1 0.4501 ± 3.364e-07
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25000
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15000
10000
5000
0
0
10000
20000
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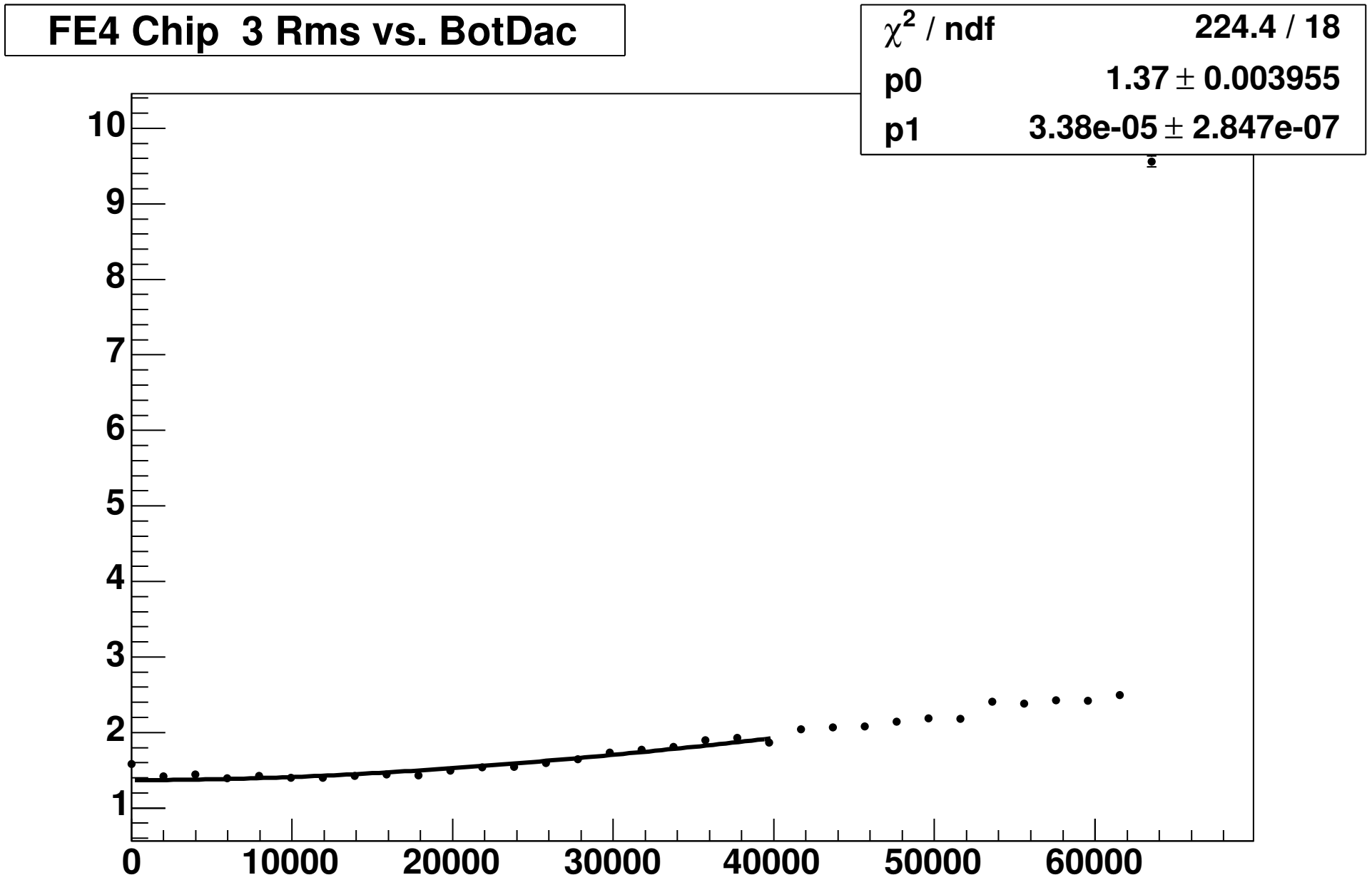
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 224.4 / 18
p0 1.37 ± 0.003955
p1 3.38e-05 ± 2.847e-07
10
9
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7
6
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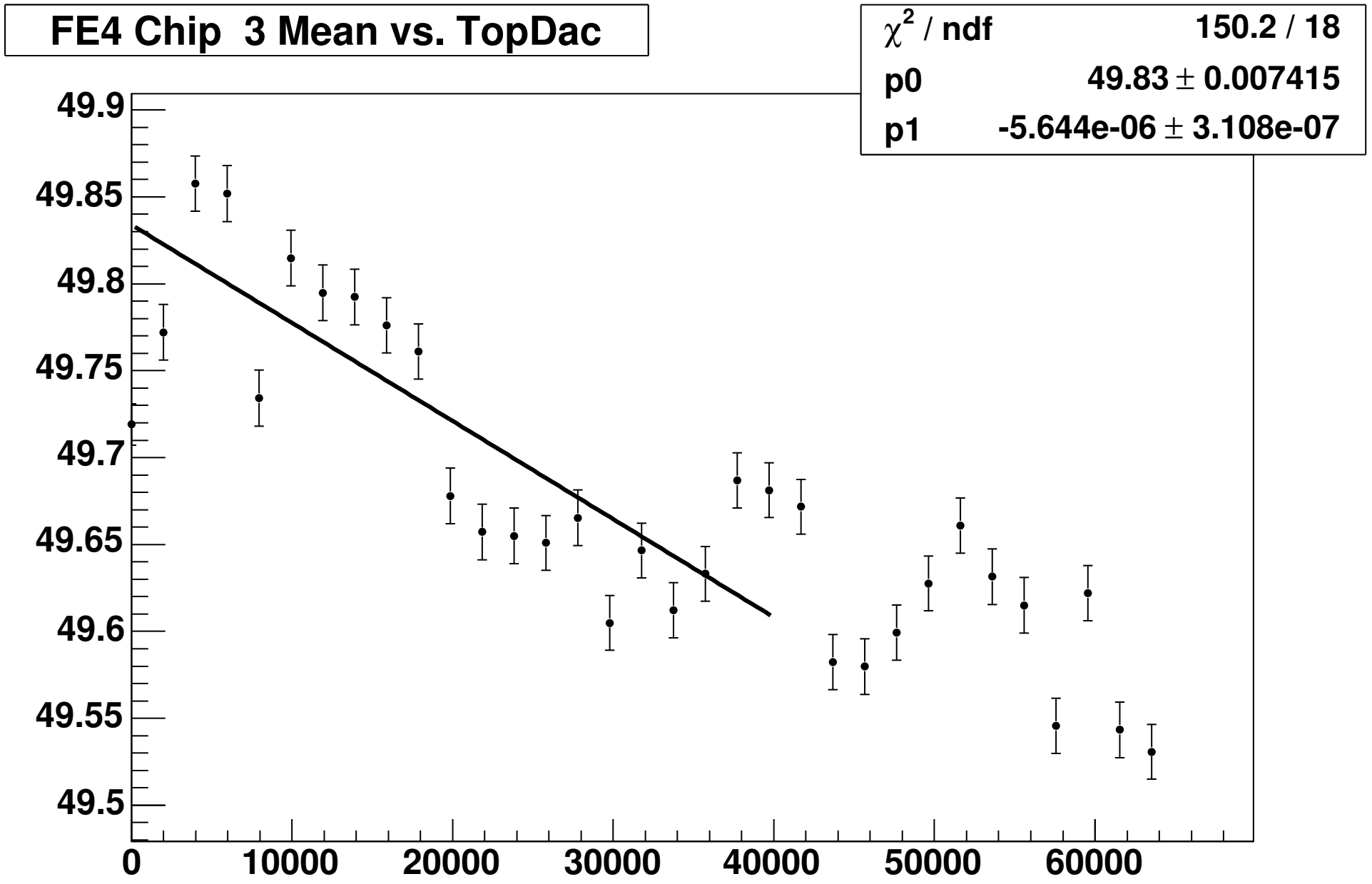
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 150.2 / 18
p0 49.83 ± 0.007415
p1 -5.644e-06 ± 3.108e-07
49.9
49.85
49.8
49.75
49.7
49.65
49.6
49.55
49.5
0
10000
20000
30000
40000
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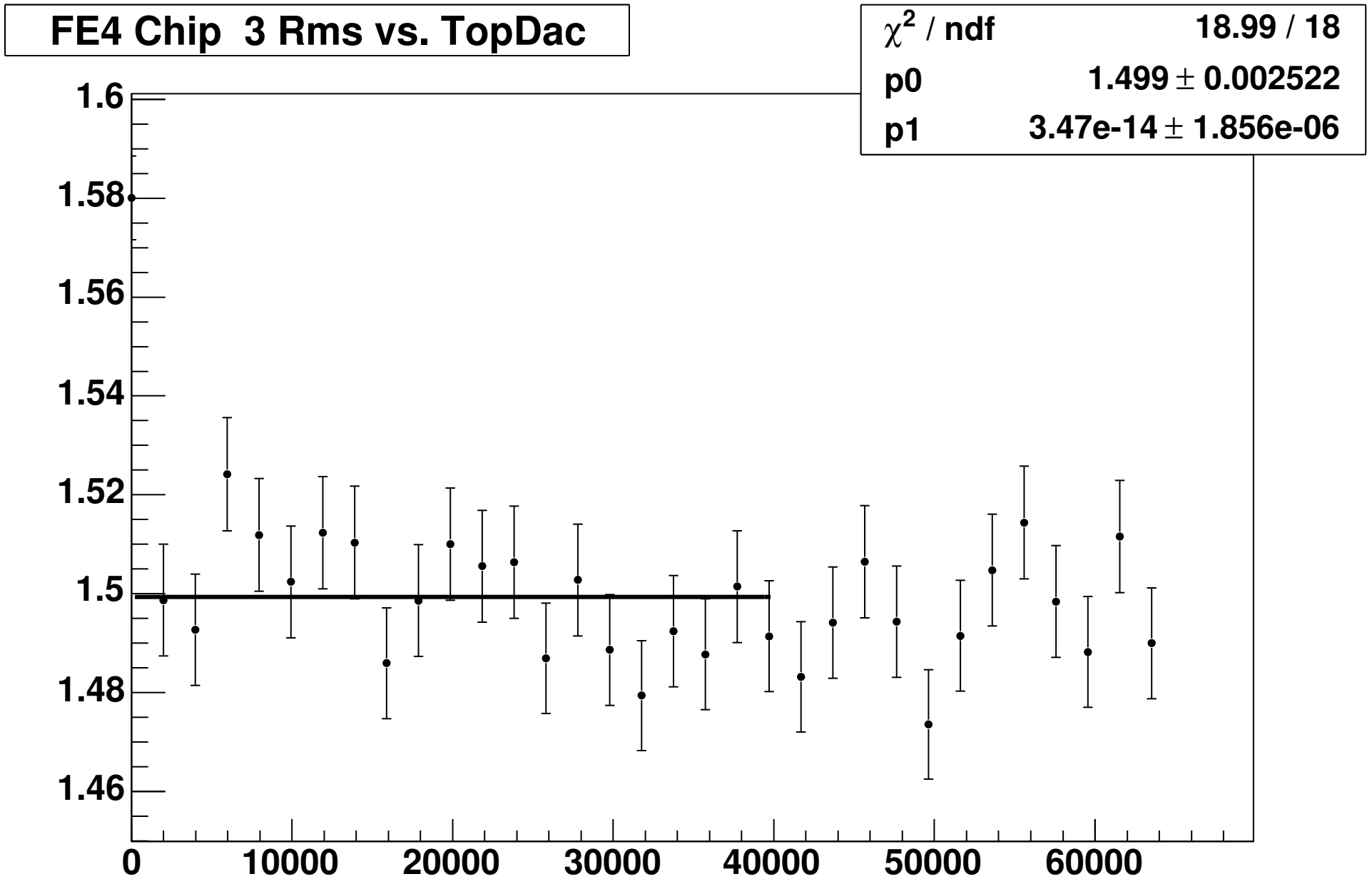
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 18.99 / 18
p0 1.499 ± 0.002522
p1 3.47e-14 ± 1.856e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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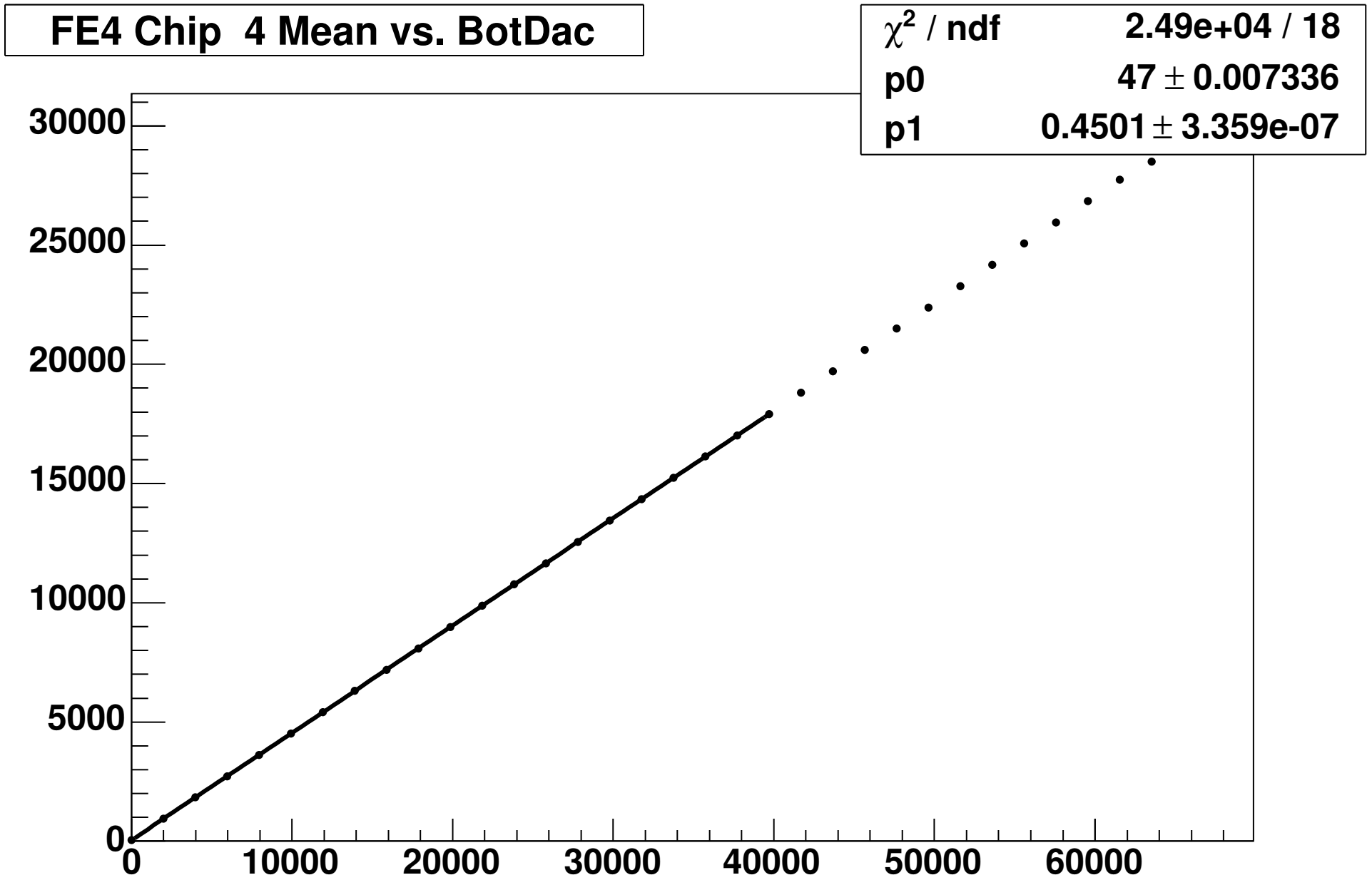
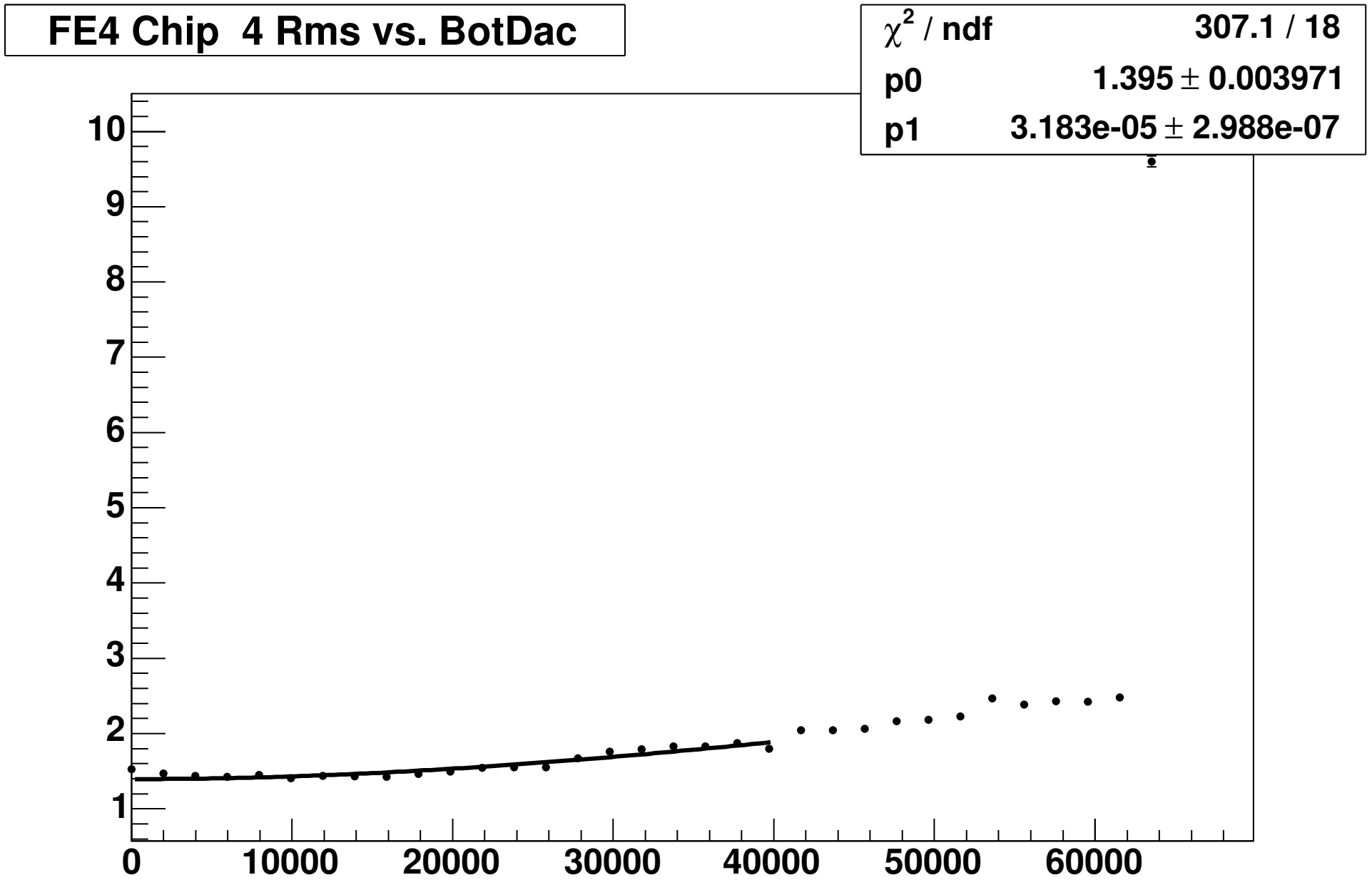
40000
50000
60000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 2.49e+04 / 18
p0 47 ± 0.007336
p1 0.4501 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 307.1 / 18
p0 1.395 ± 0.003971
p1 3.183e-05 ± 2.988e-07
10
9
8
7
6
5
4
3
2
1
0
10000
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50000
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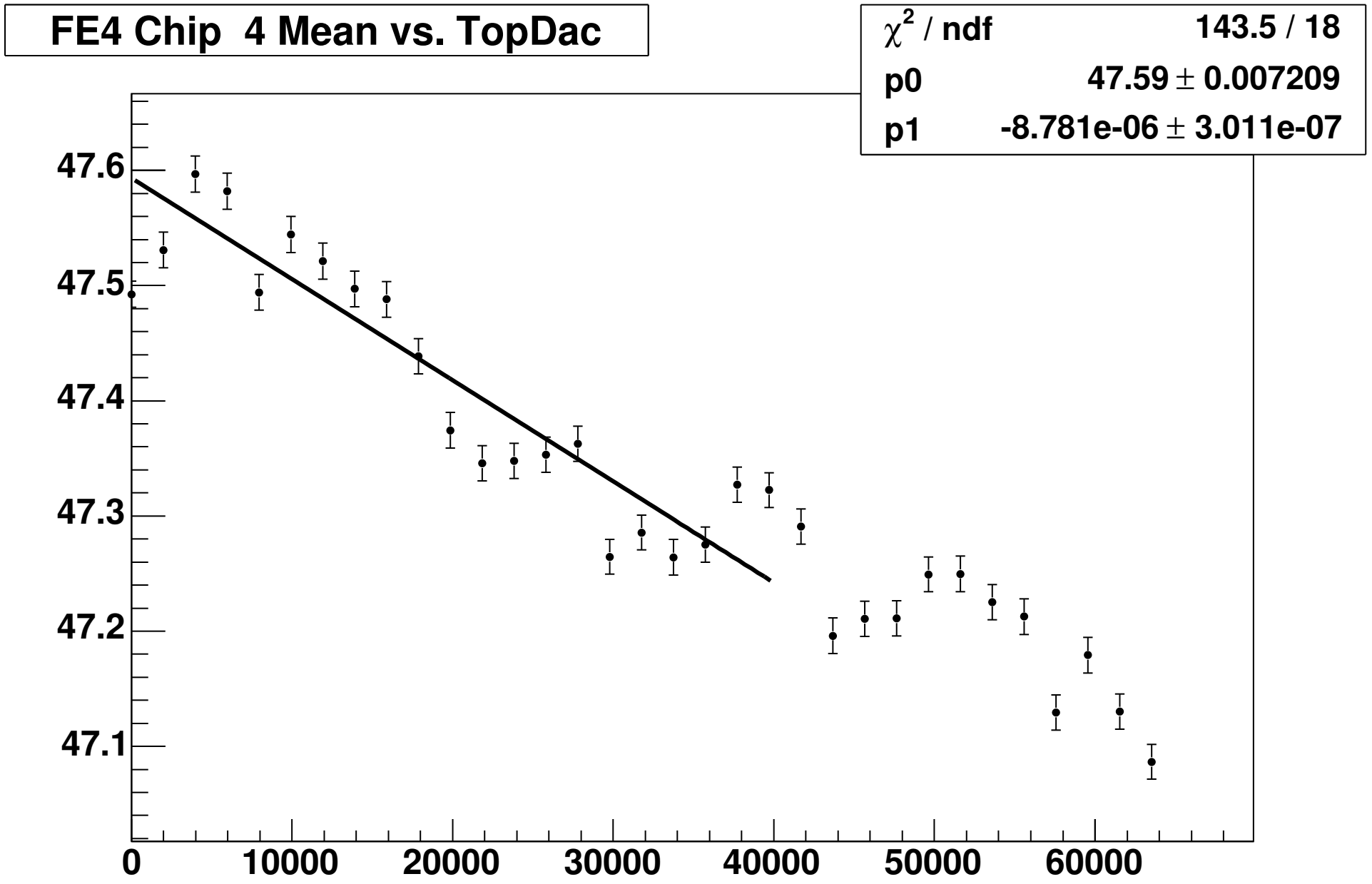
FE4 Chip 4 Mean vs. TopDac
χ^2 / ndf 143.5 / 18
p0 47.59 ± 0.007209
p1 -8.781e-06 ± 3.011e-07
47.6
47.5
47.4
47.3
47.2
47.1
0
10000
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30000
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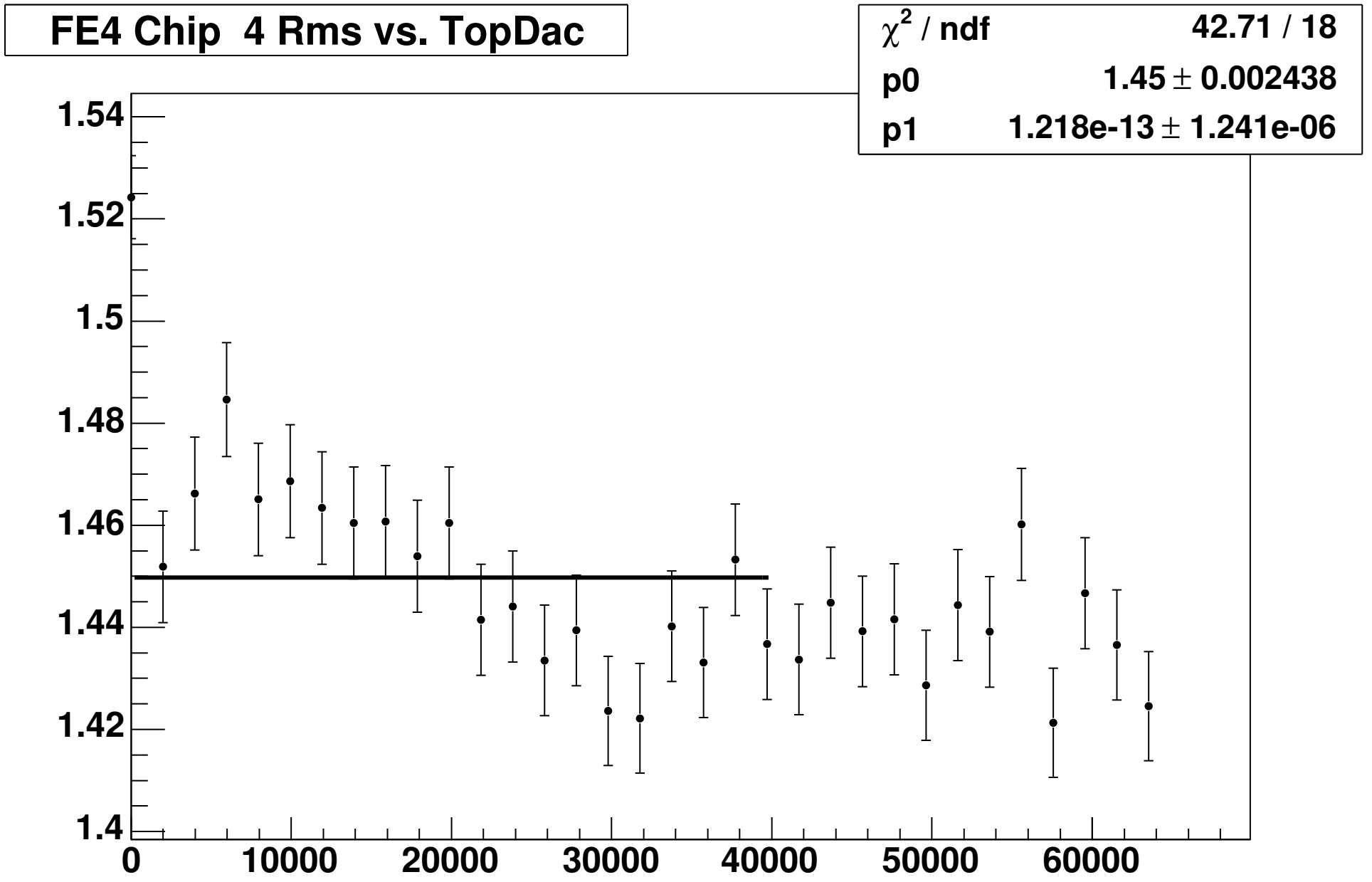
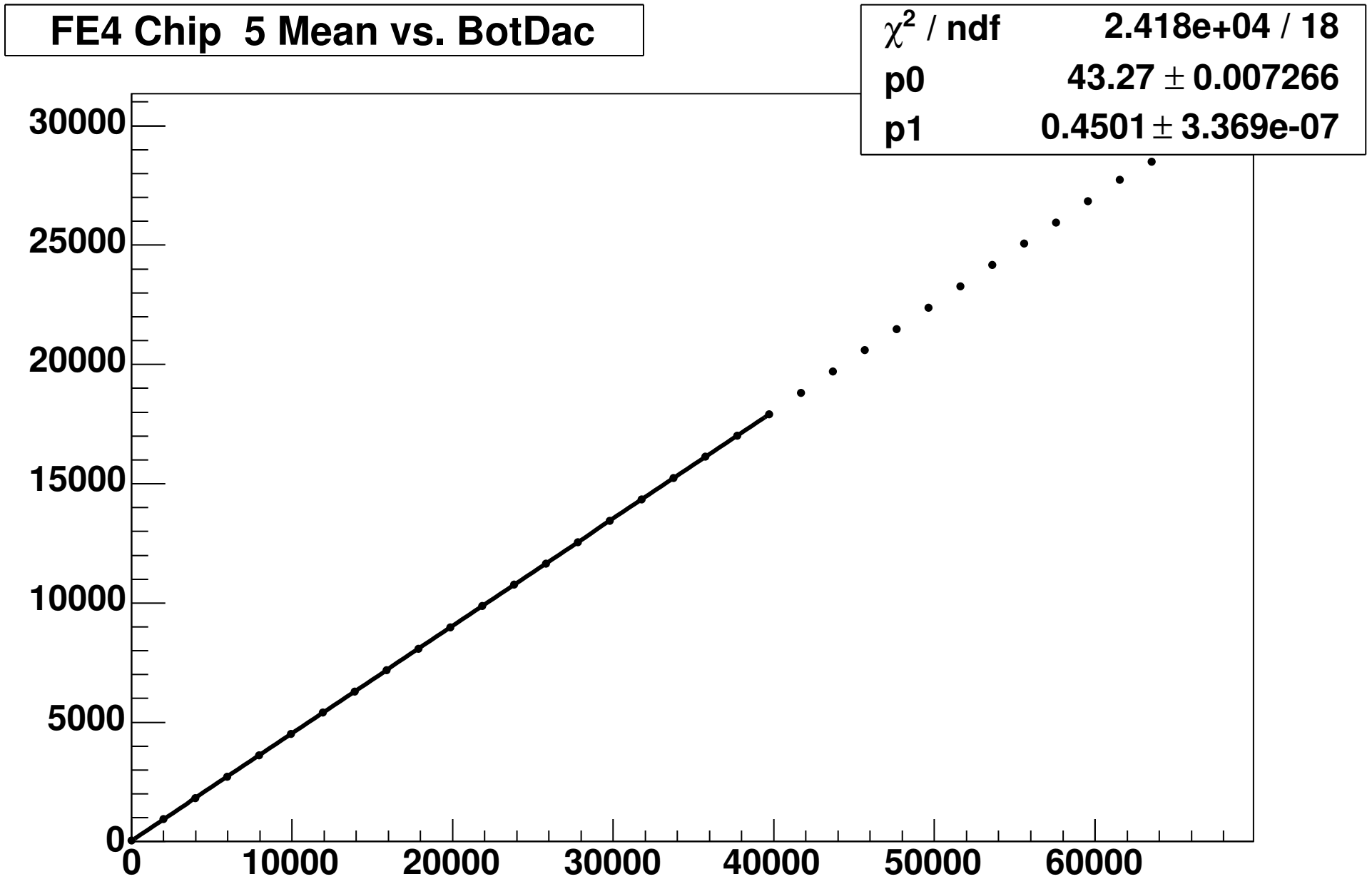
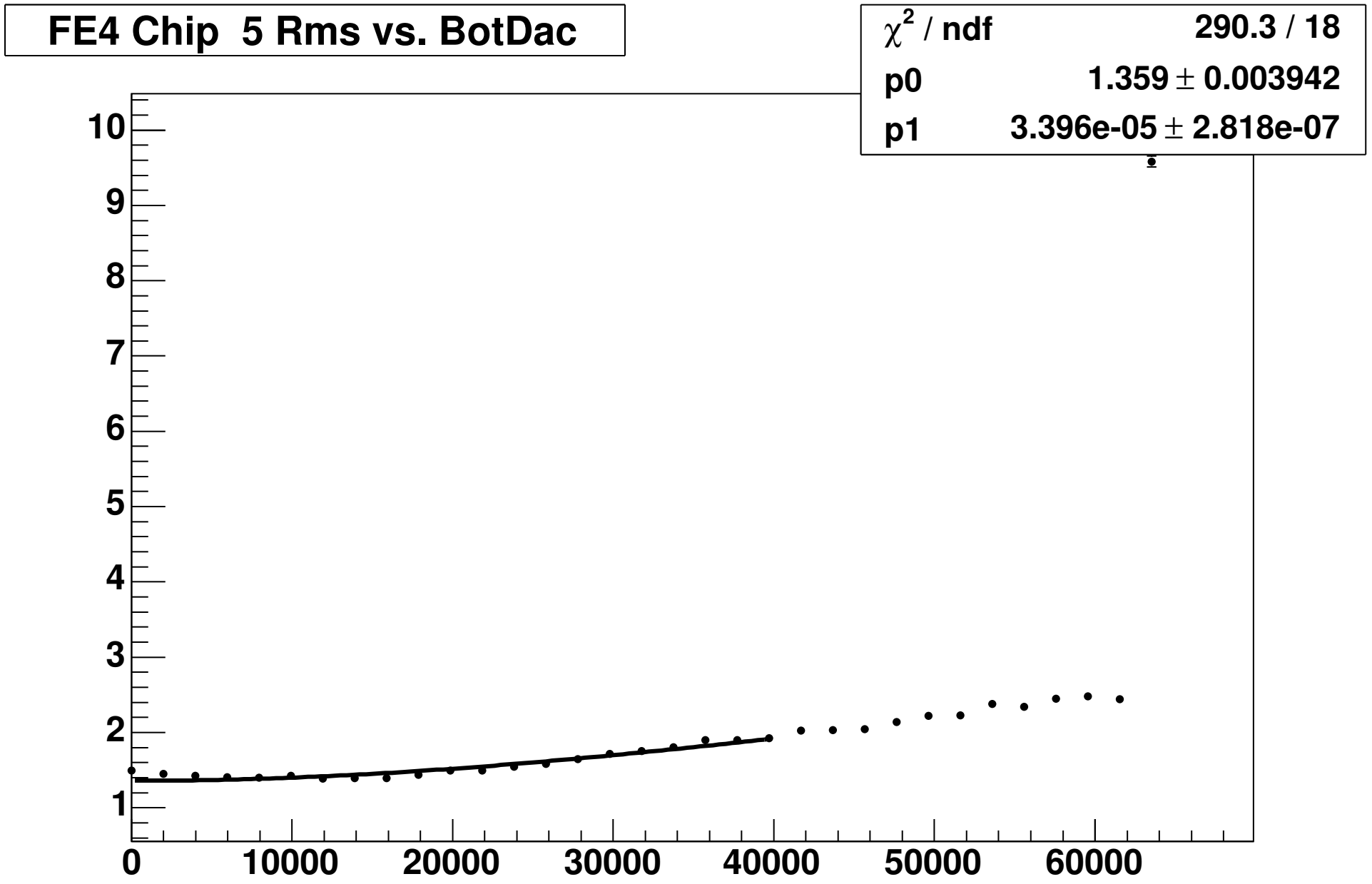
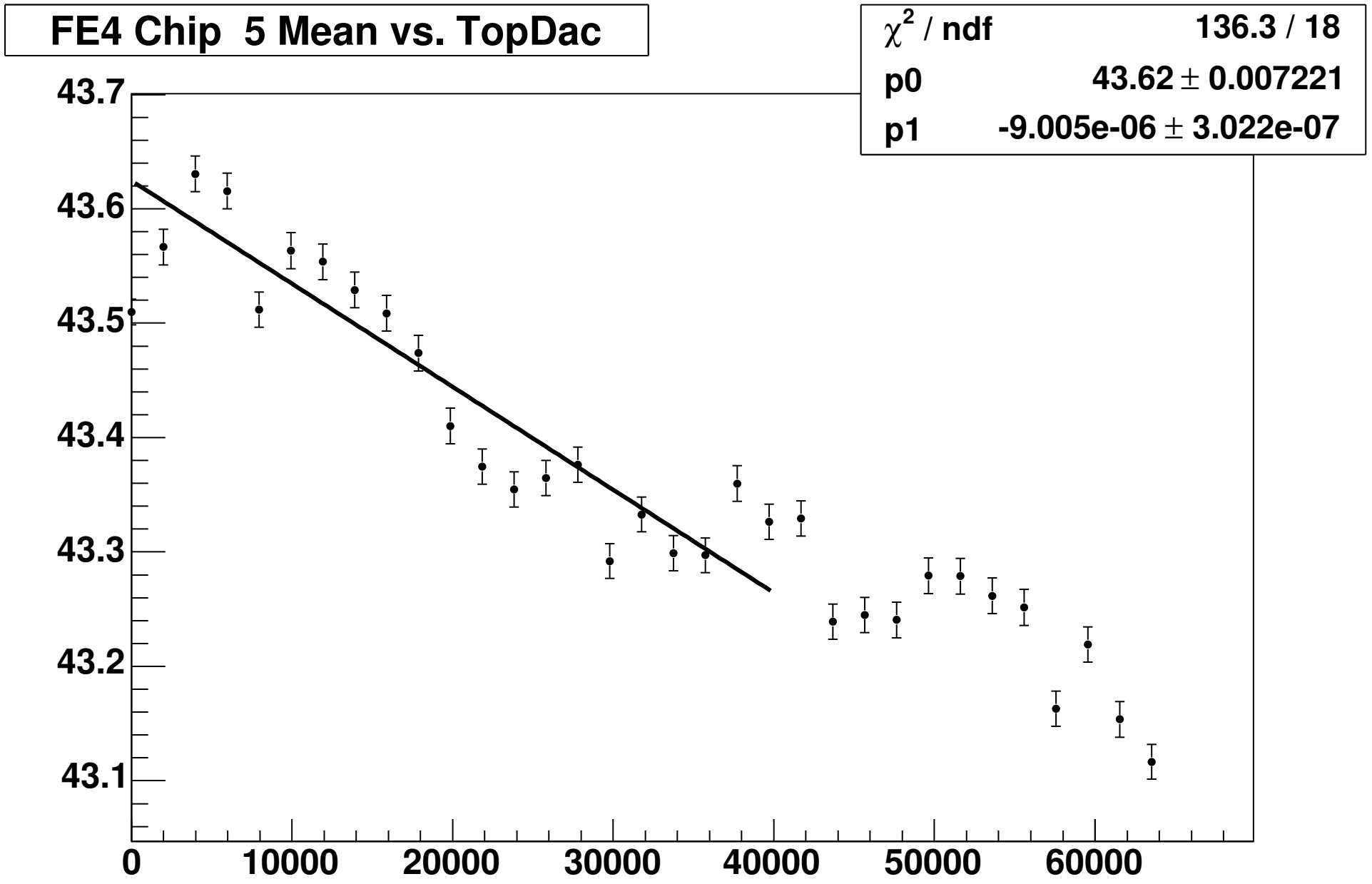
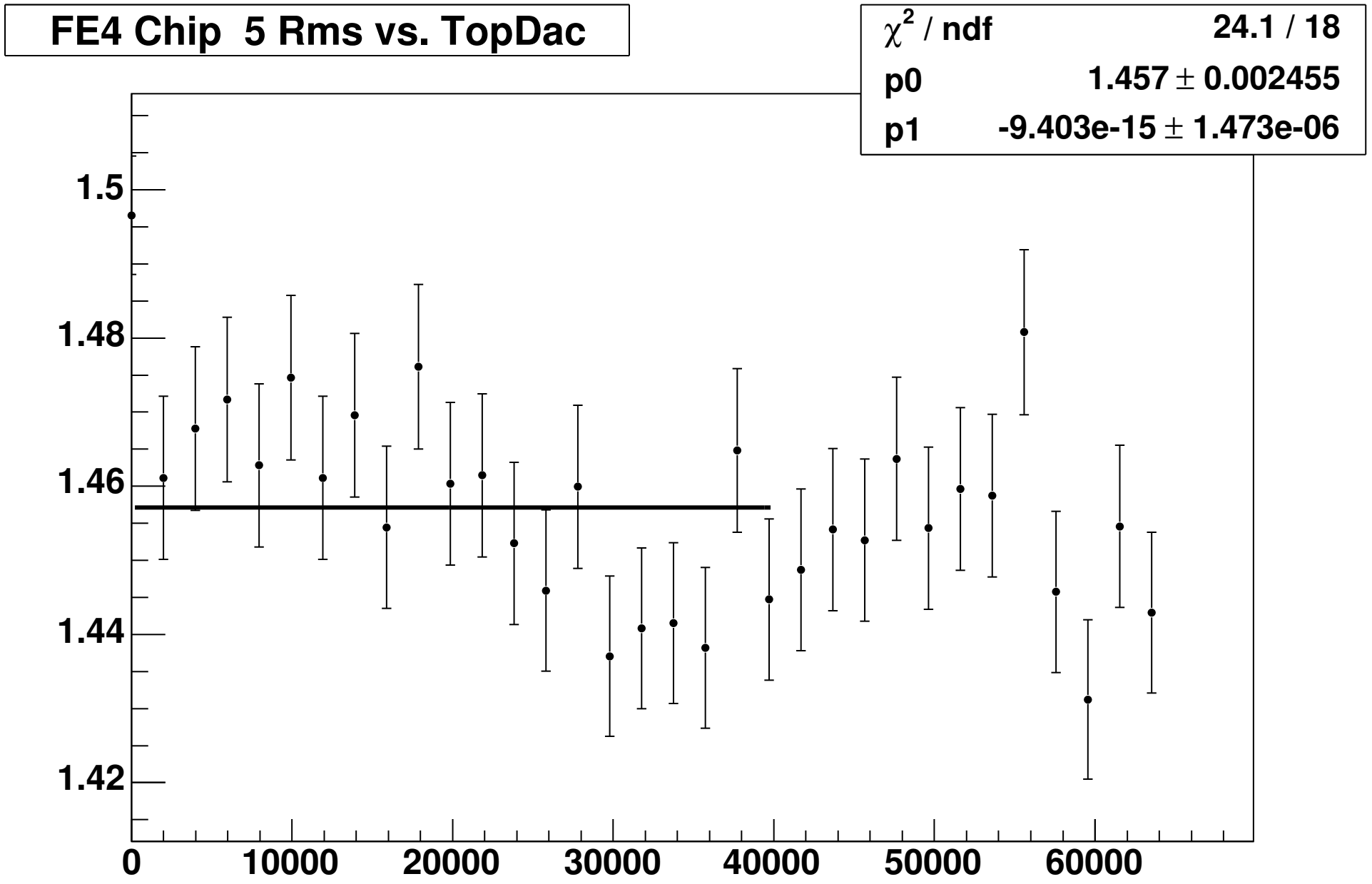
50000
60000

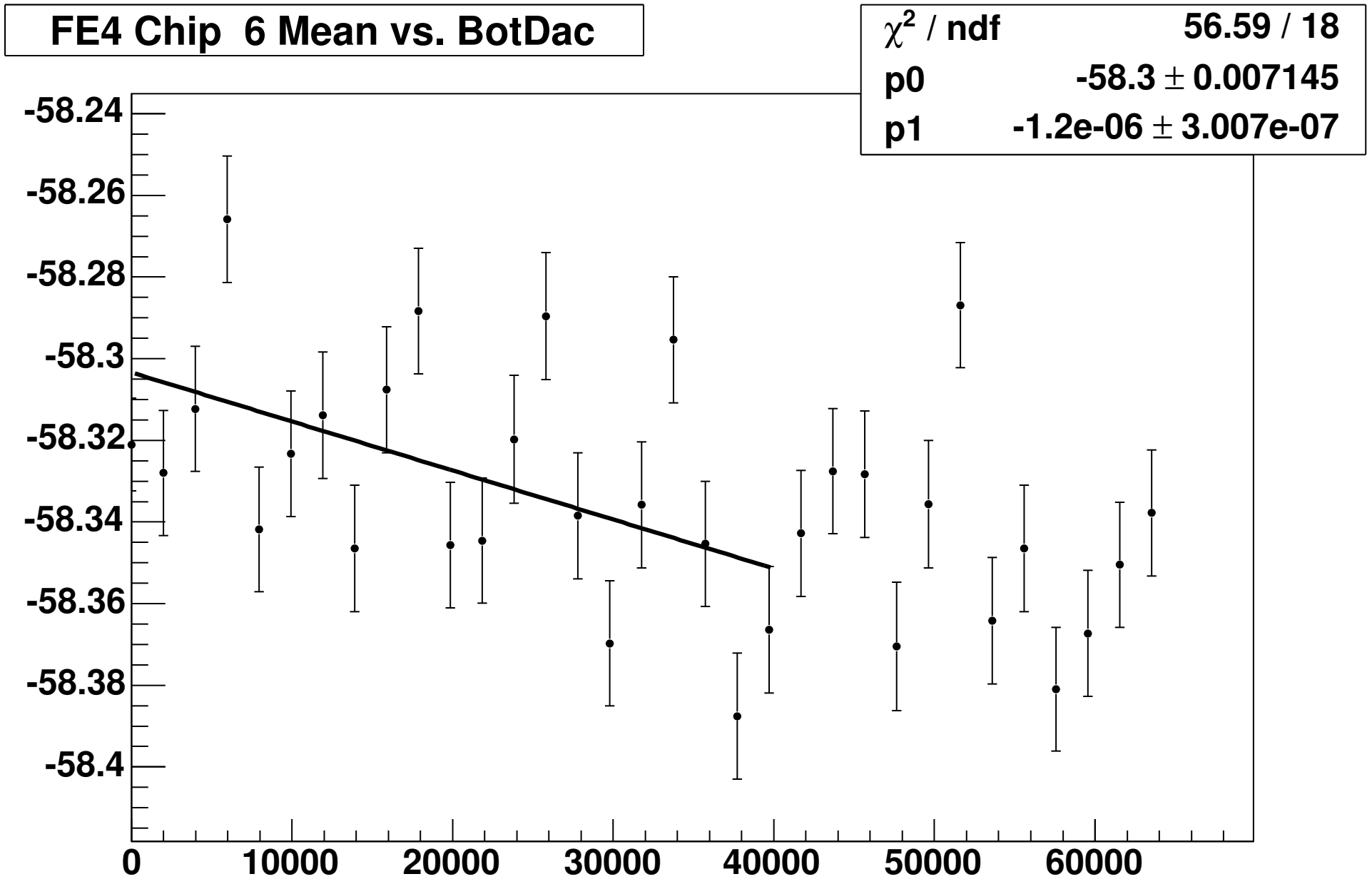

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 42.71 / 18
p0 1.45 ± 0.002438
p1 1.218e-13 ± 1.241e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

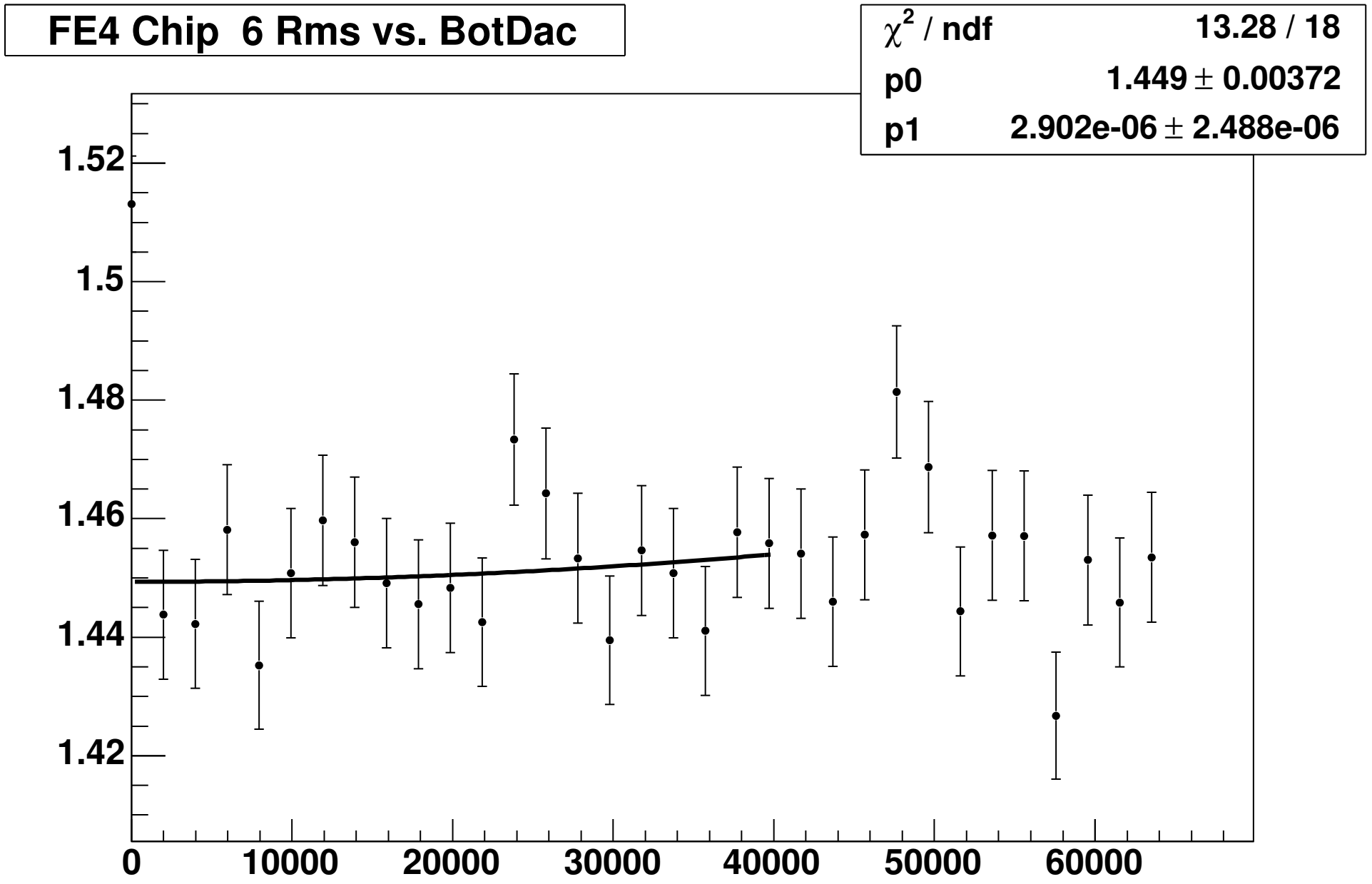

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 2.418e+04 / 18
p0 43.27 ± 0.007266
p1 0.4501 ± 3.369e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

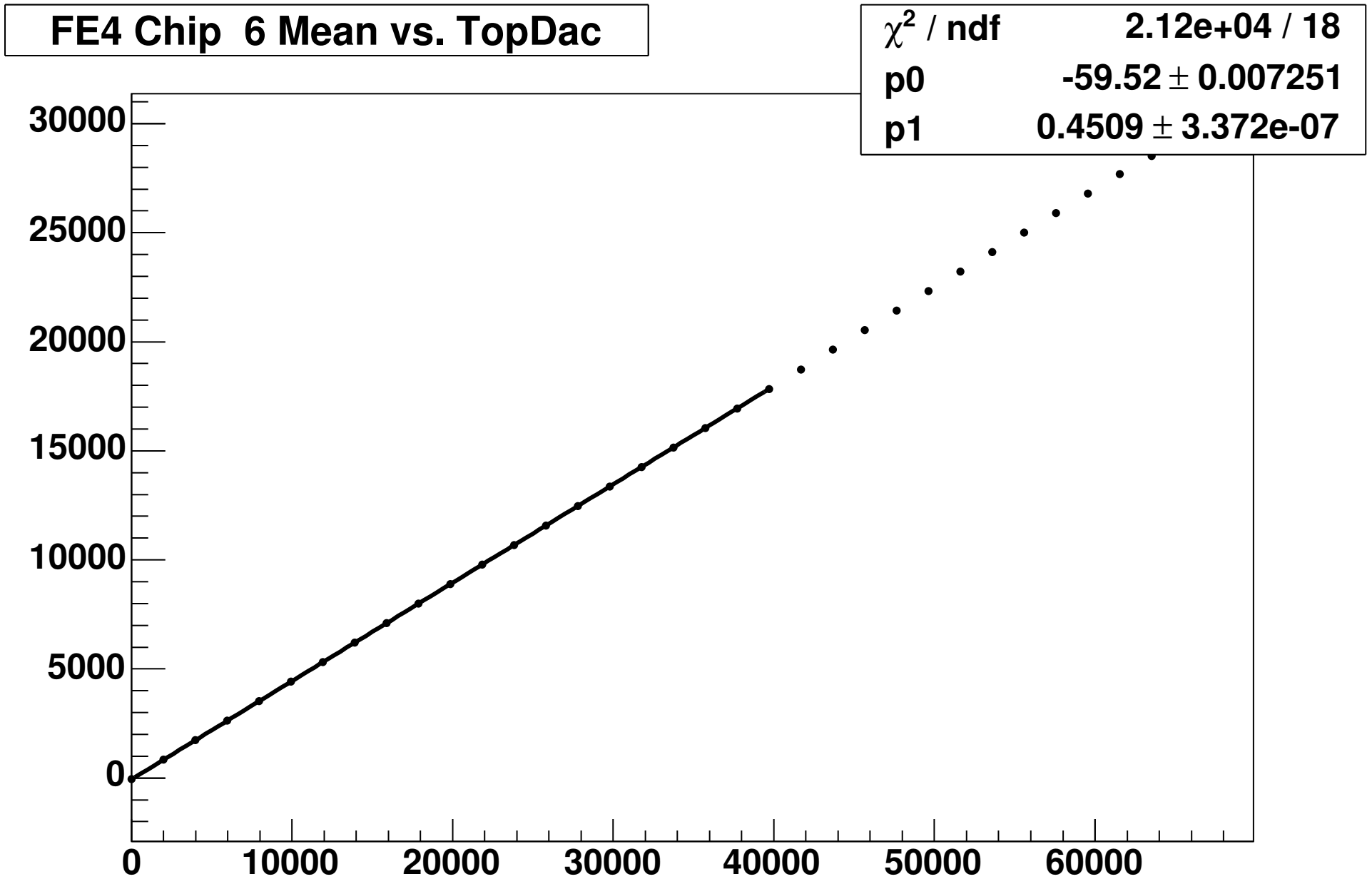

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 290.3 / 18
p0 1.359 ± 0.003942
p1 3.396e-05 ± 2.818e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 136.3 / 18
p0 43.62 ± 0.007221
p1 -9.005e-06 ± 3.022e-07
43.7
43.6
43.5
43.4
43.3
43.2
43.1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 24.1 / 18
p0 1.457 ± 0.002455
p1 -9.403e-15 ± 1.473e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 56.59 / 18
p0 -58.3 ± 0.007145
p1 -1.2e-06 ± 3.007e-07
-58.24
-58.26
-58.28
-58.3
-58.32
-58.34
-58.36
-58.38
-58.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 13.28 / 18
p0 1.449 ± 0.00372
p1 2.902e-06 ± 2.488e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 2.12e+04 / 18
p0 -59.52 ± 0.007251
p1 0.4509 ± 3.372e-07
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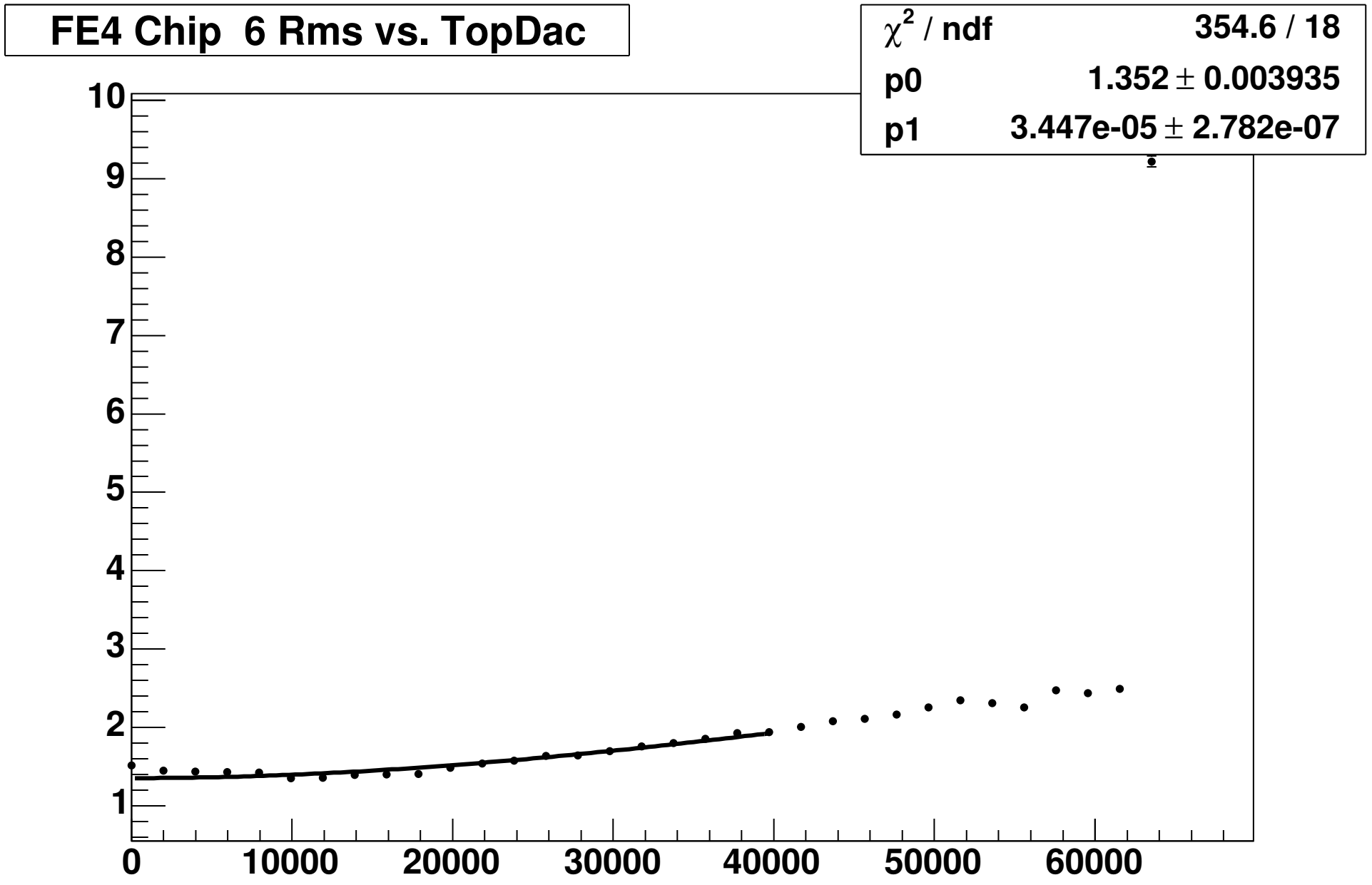
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 354.6 / 18
p0 1.352 ± 0.003935
p1 3.447e-05 ± 2.782e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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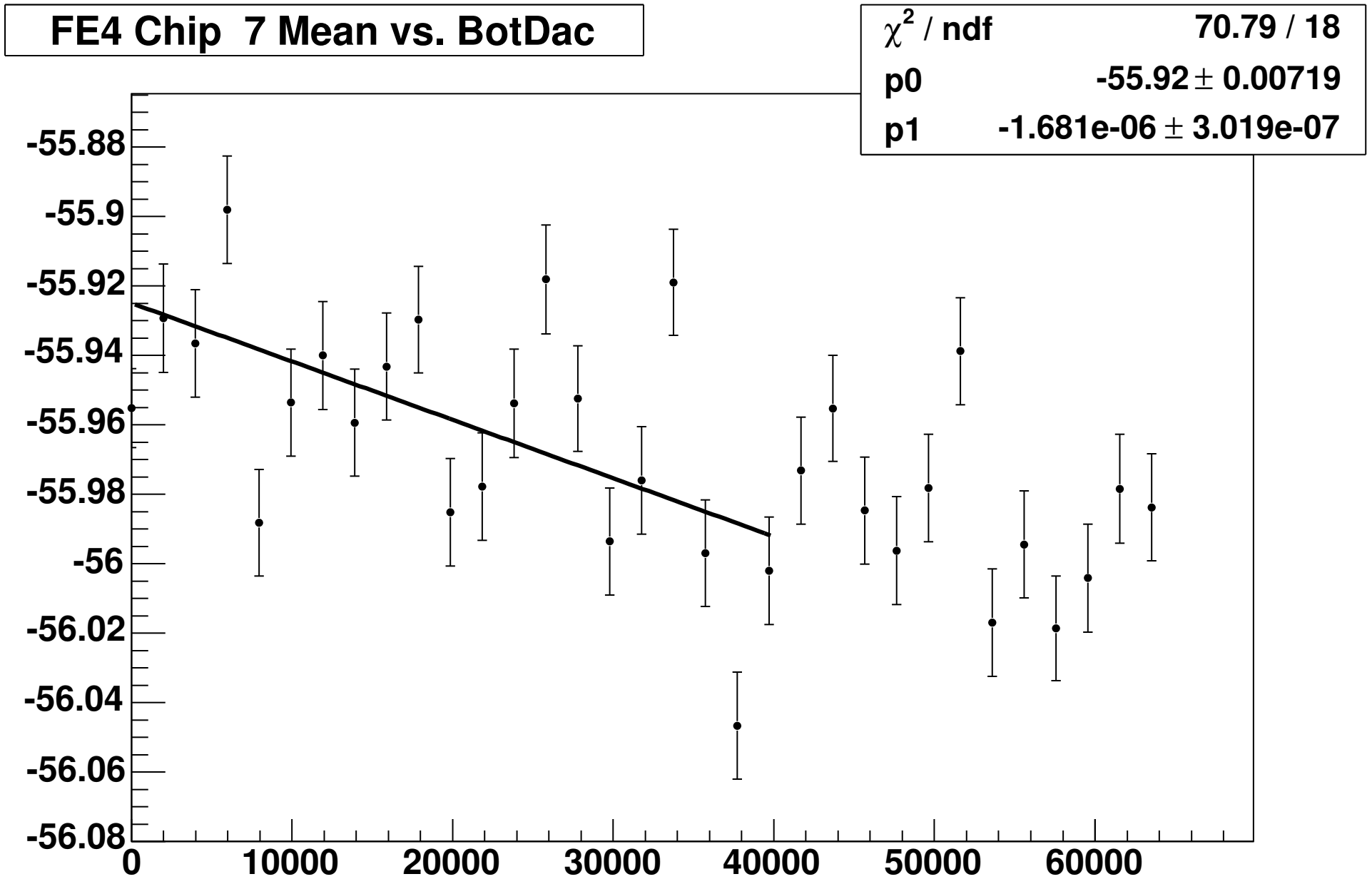
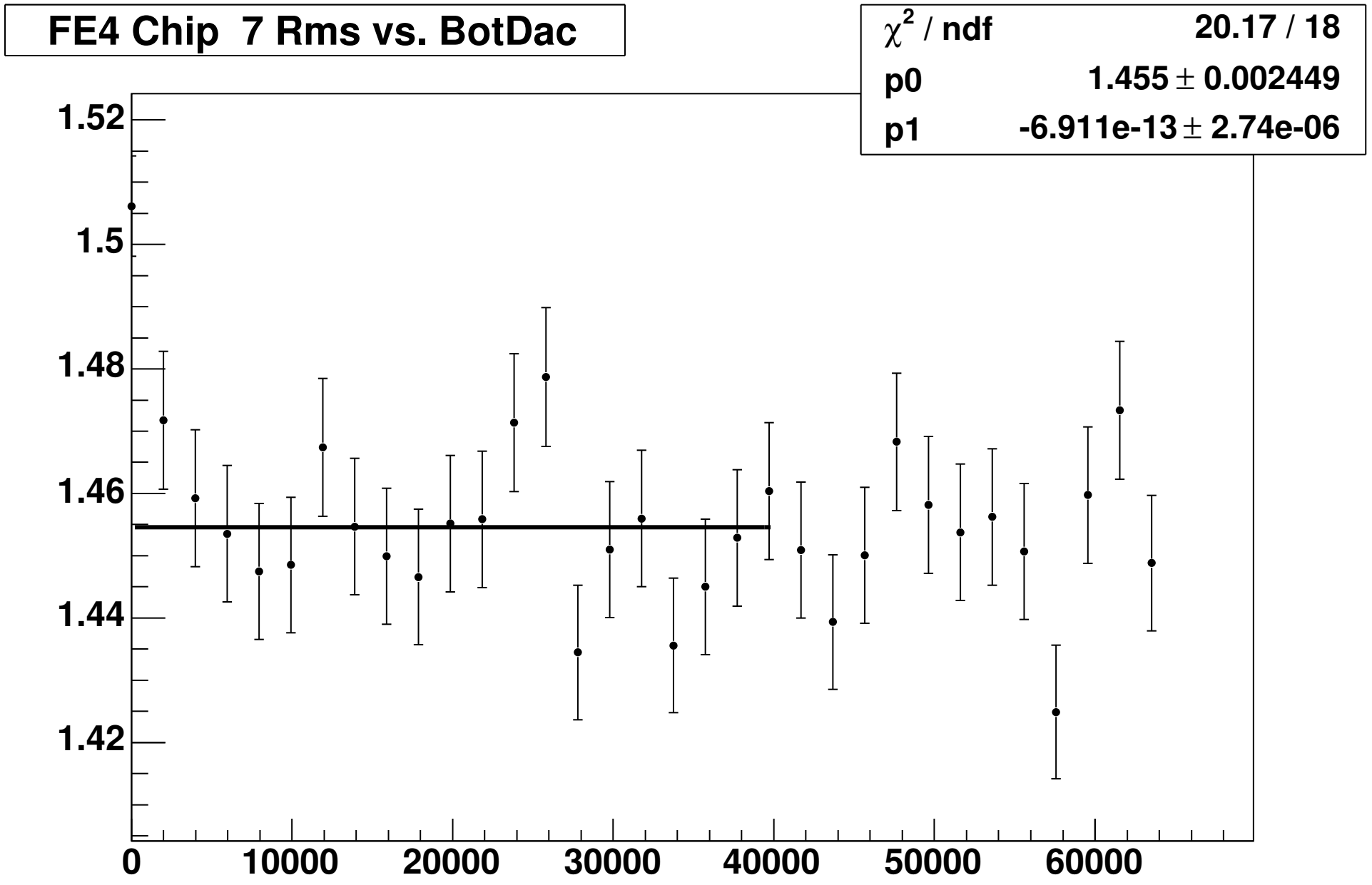
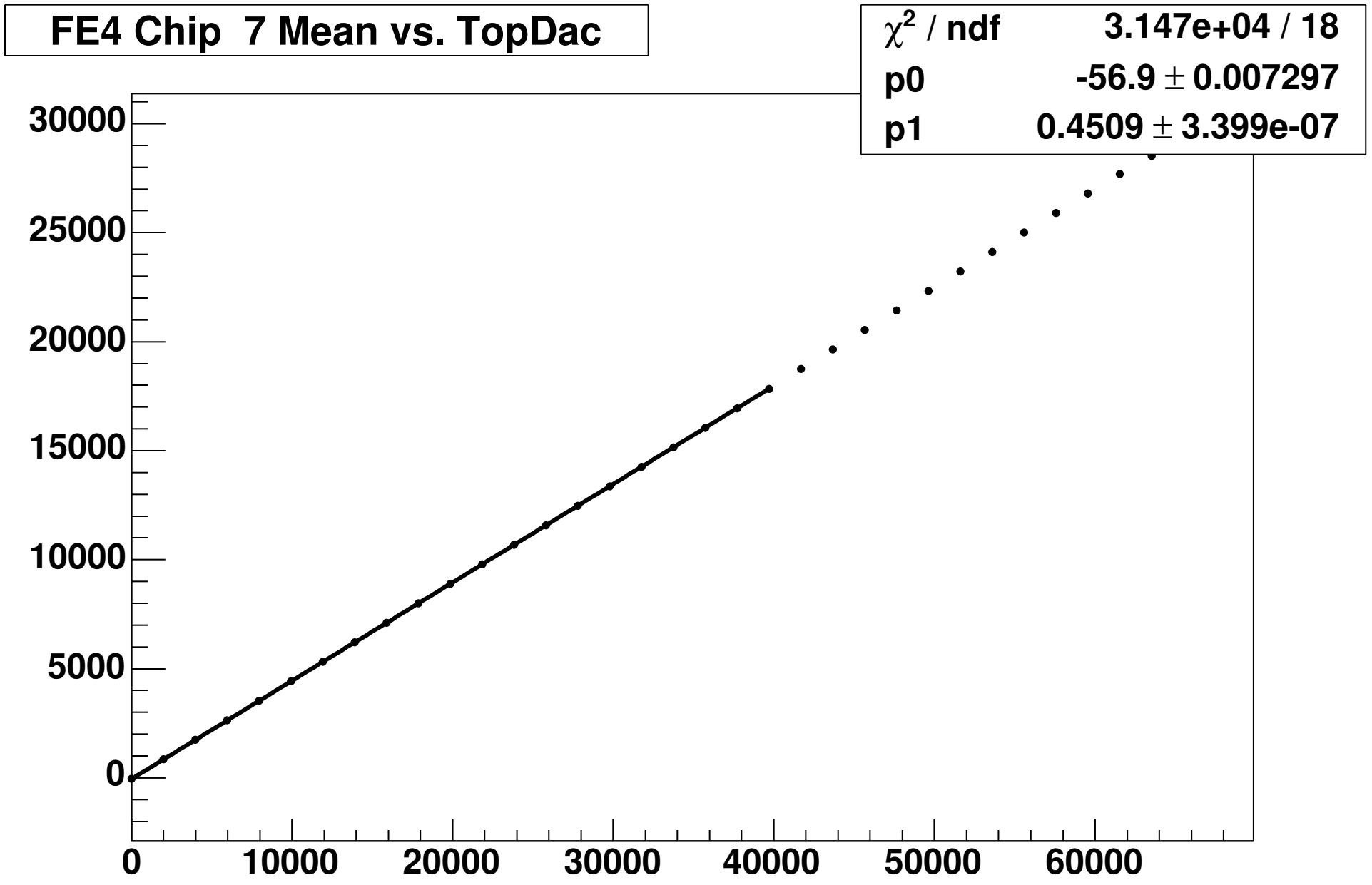
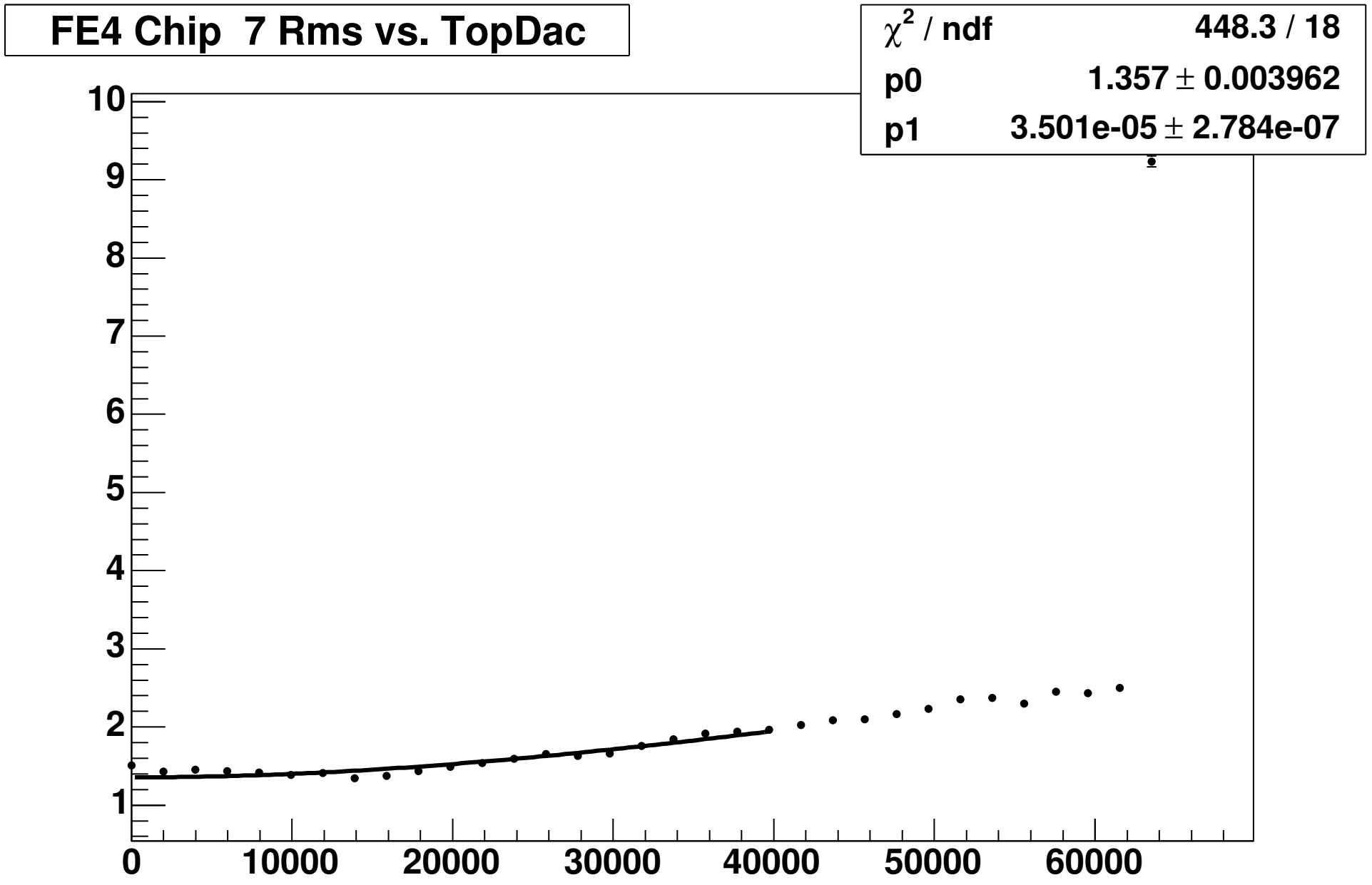
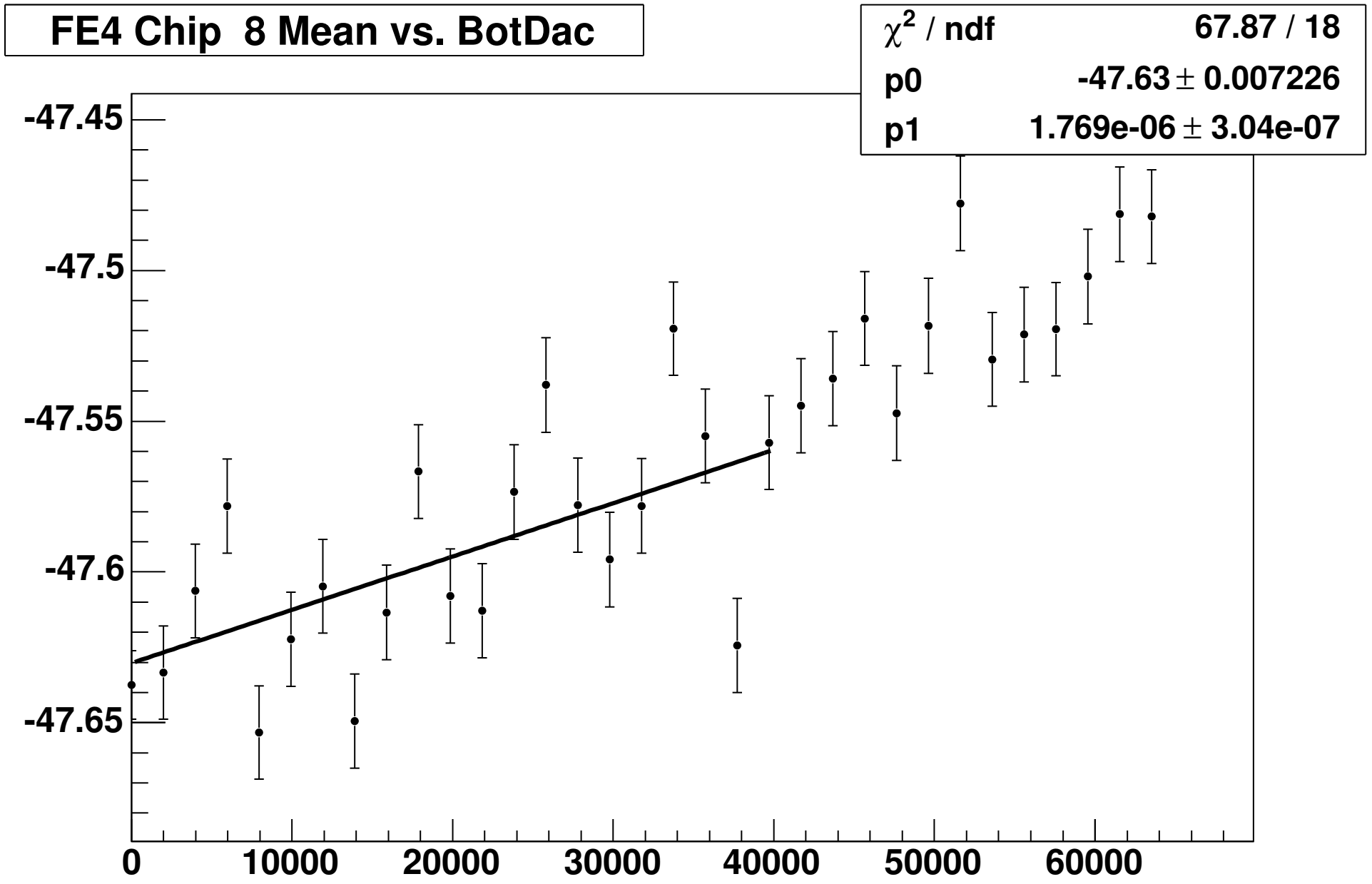
60000

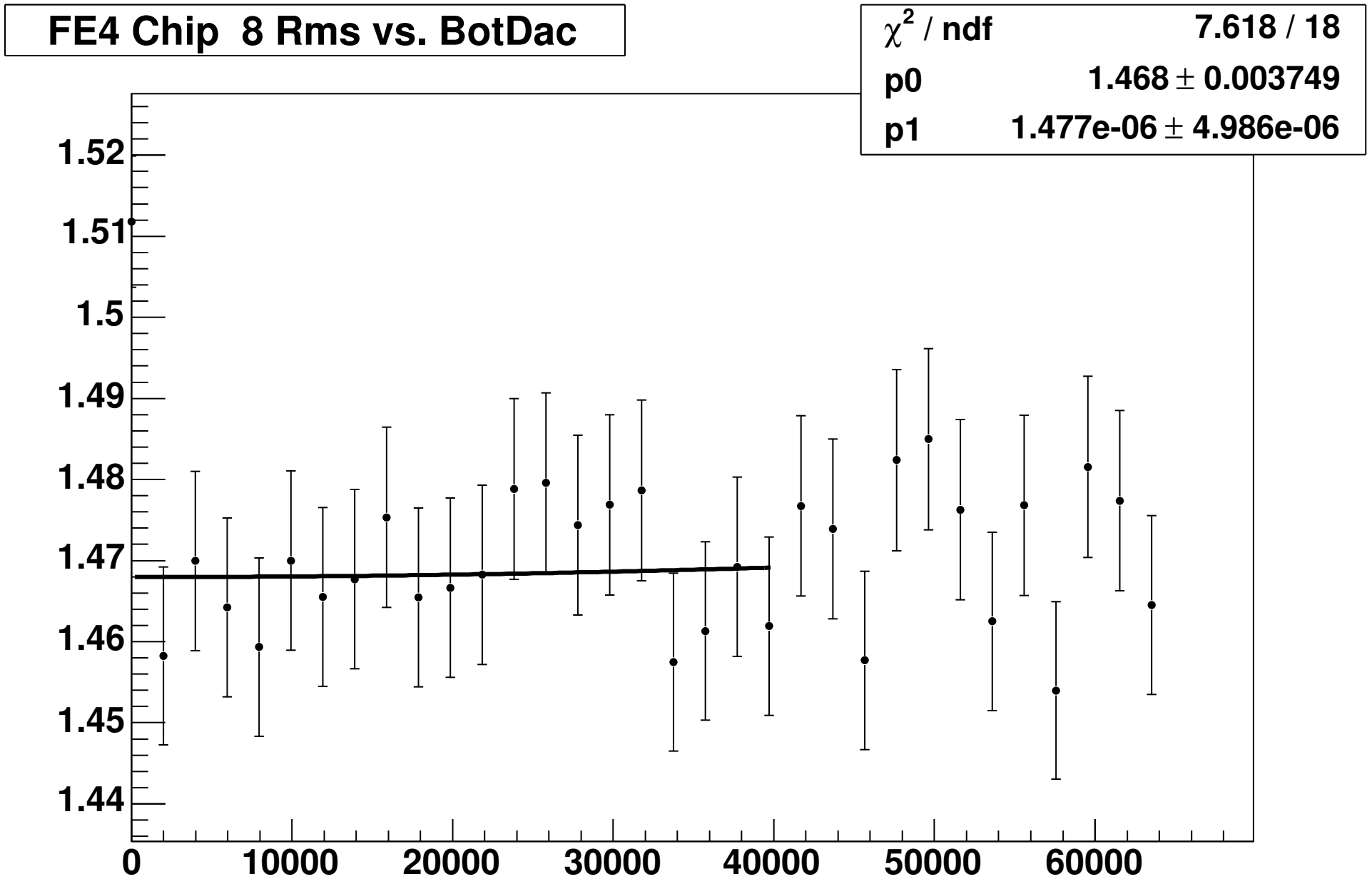

FE4 Chip 7 Mean vs. BotDac
χ^2 / ndf 70.79 / 18
p0 -55.92 ± 0.00719
p1 -1.681e-06 ± 3.019e-07
-55.88
-55.9
-55.92
-55.94
-55.96
-55.98
-56
-56.02
-56.04
-56.06
-56.08
0
10000
20000
30000
40000
50000
60000

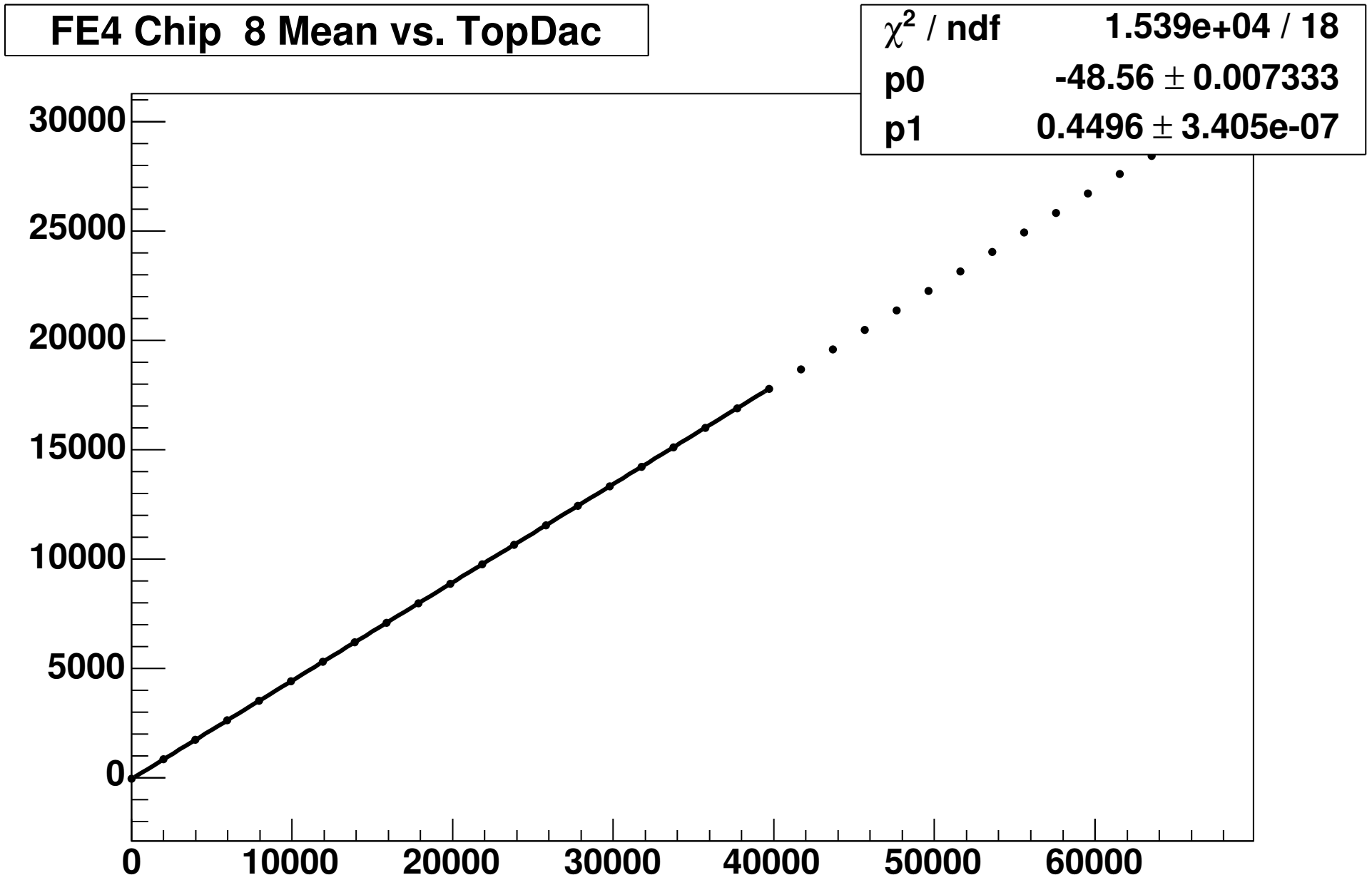

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 20.17 / 18
p0 1.455 ± 0.002449
p1 -6.911e-13 ± 2.74e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 3.147e+04 / 18
p0 -56.9 ± 0.007297
p1 0.4509 ± 3.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 448.3 / 18
p0 1.357 ± 0.003962
p1 3.501e-05 ± 2.784e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. BotDac
χ^2 / ndf 67.87 / 18
p0 -47.63 ± 0.007226
p1 1.769e-06 ± 3.04e-07
-47.45
-47.5
-47.55
-47.6
-47.65
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 7.618 / 18
p0 1.468 ± 0.003749
p1 1.477e-06 ± 4.986e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.539e+04 / 18
p0 -48.56 ± 0.007333
p1 0.4496 ± 3.405e-07
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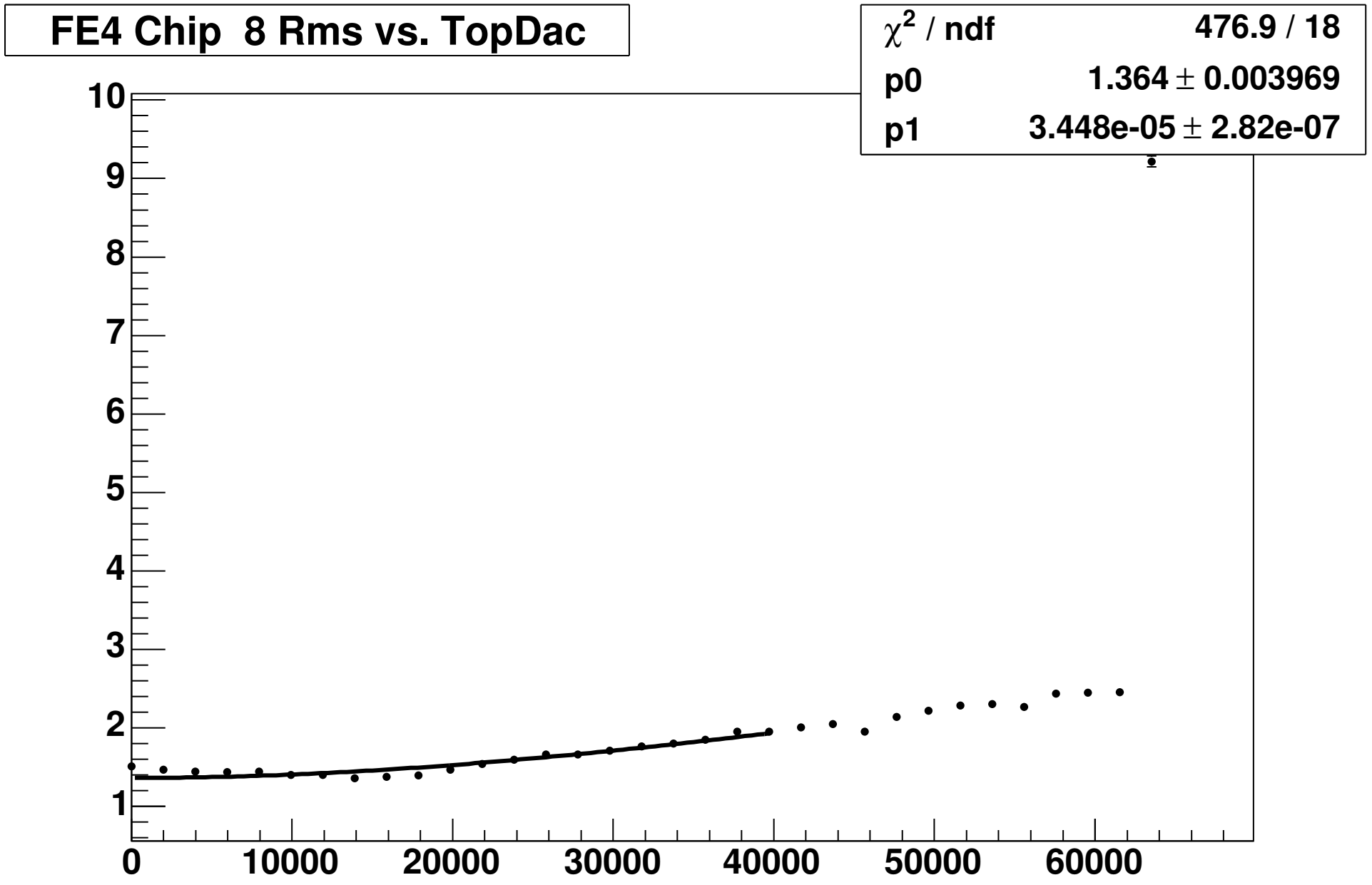
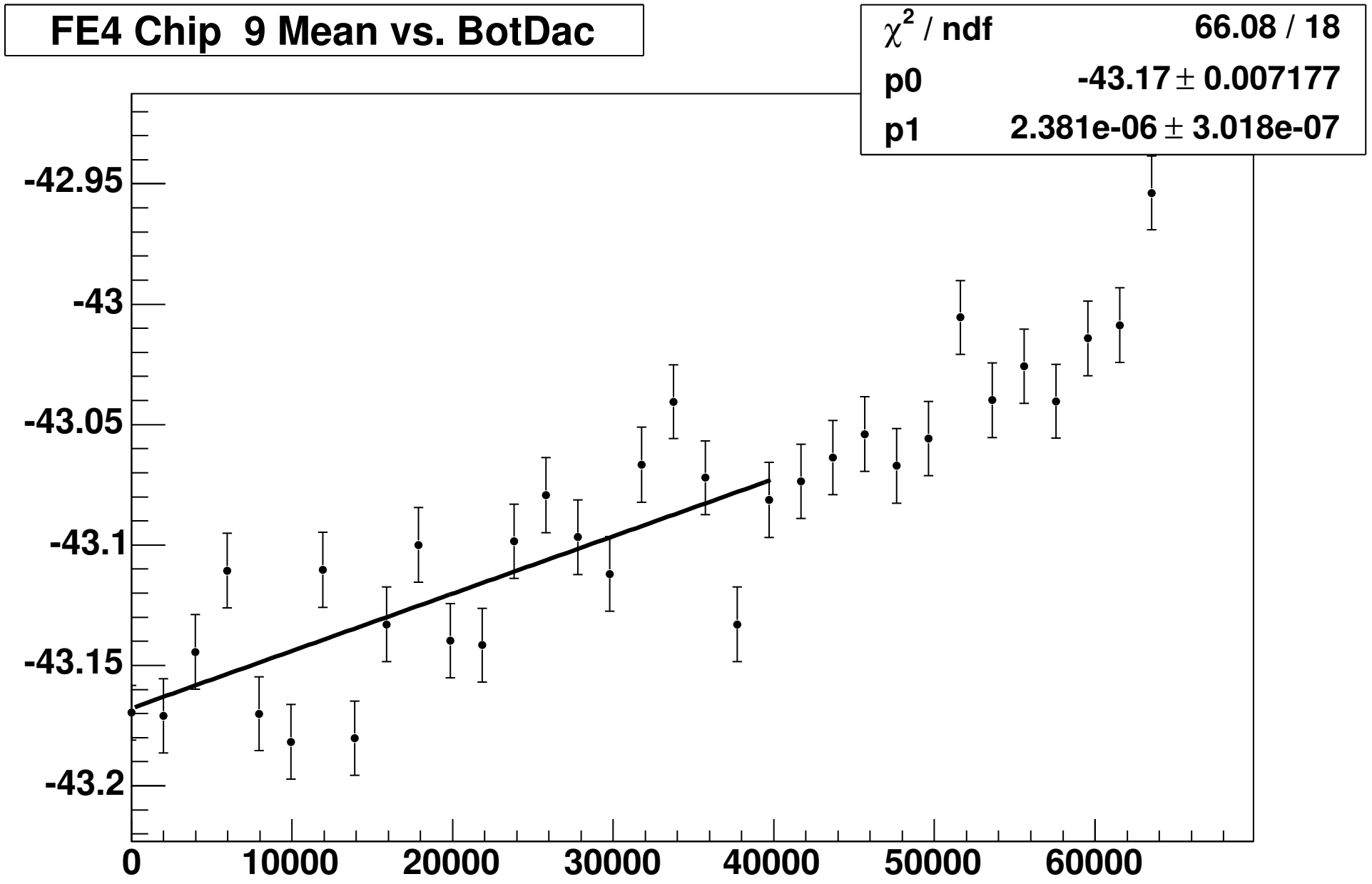
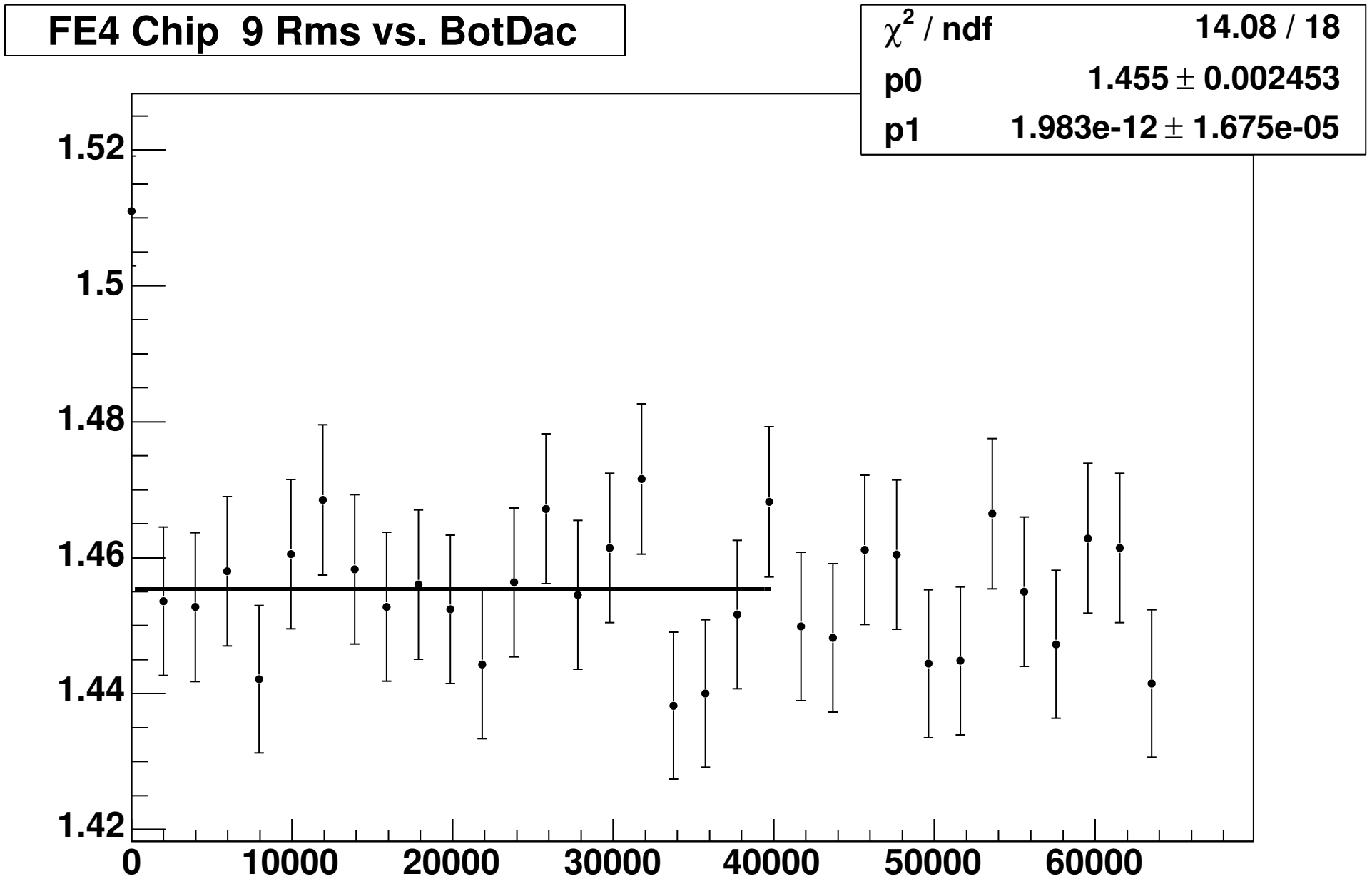
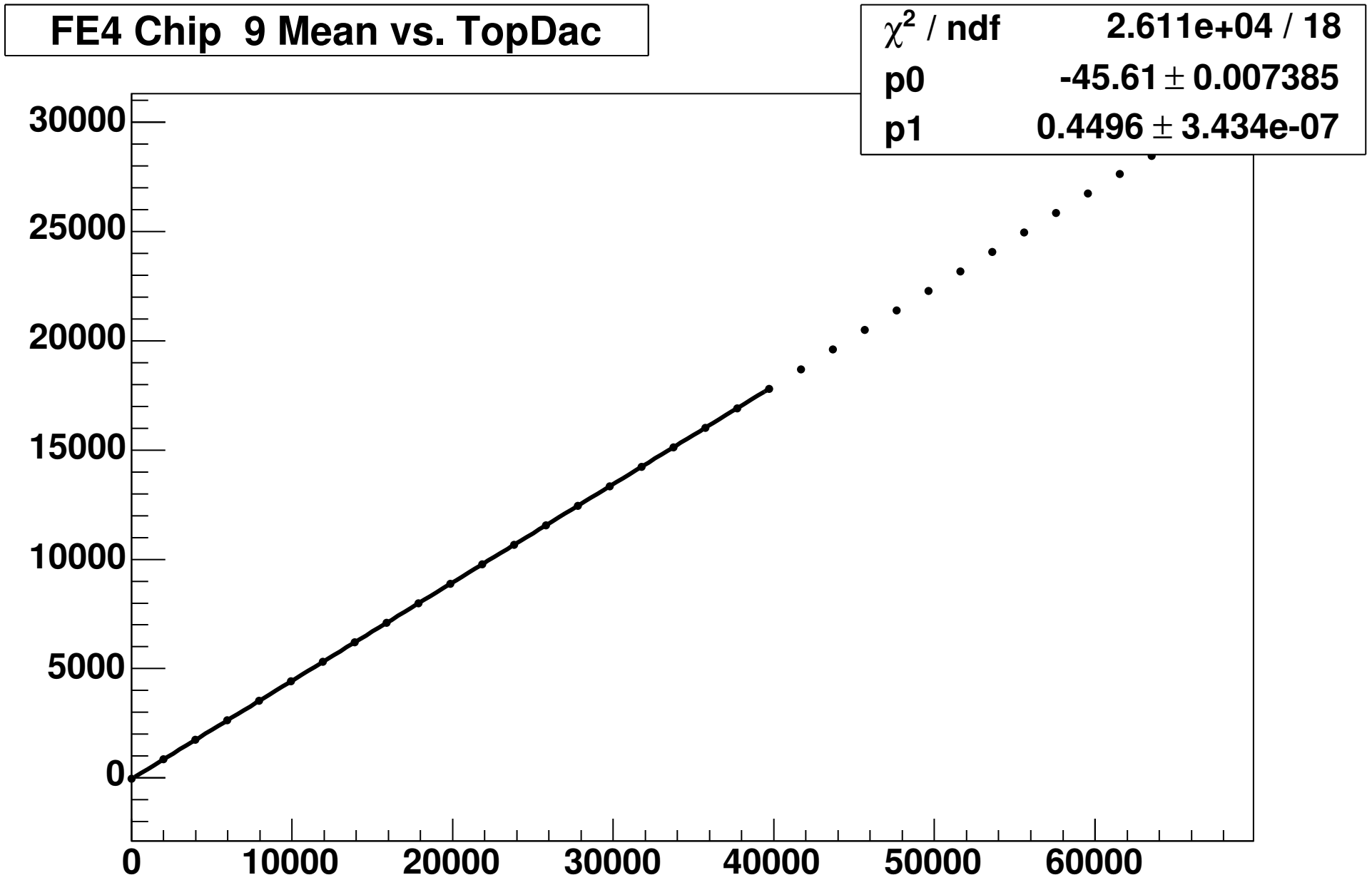
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 476.9 / 18
p0 1.364 ± 0.003969
p1 3.448e-05 ± 2.82e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 66.08 / 18
p0 -43.17 ± 0.007177
p1 2.381e-06 ± 3.018e-07
-42.95
-43
-43.05
-43.1
-43.15
-43.2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 14.08 / 18
p0 1.455 ± 0.002453
p1 1.983e-12 ± 1.675e-05
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 2.611e+04 / 18
p0 -45.61 ± 0.007385
p1 0.4496 ± 3.434e-07
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25000
20000
15000
10000
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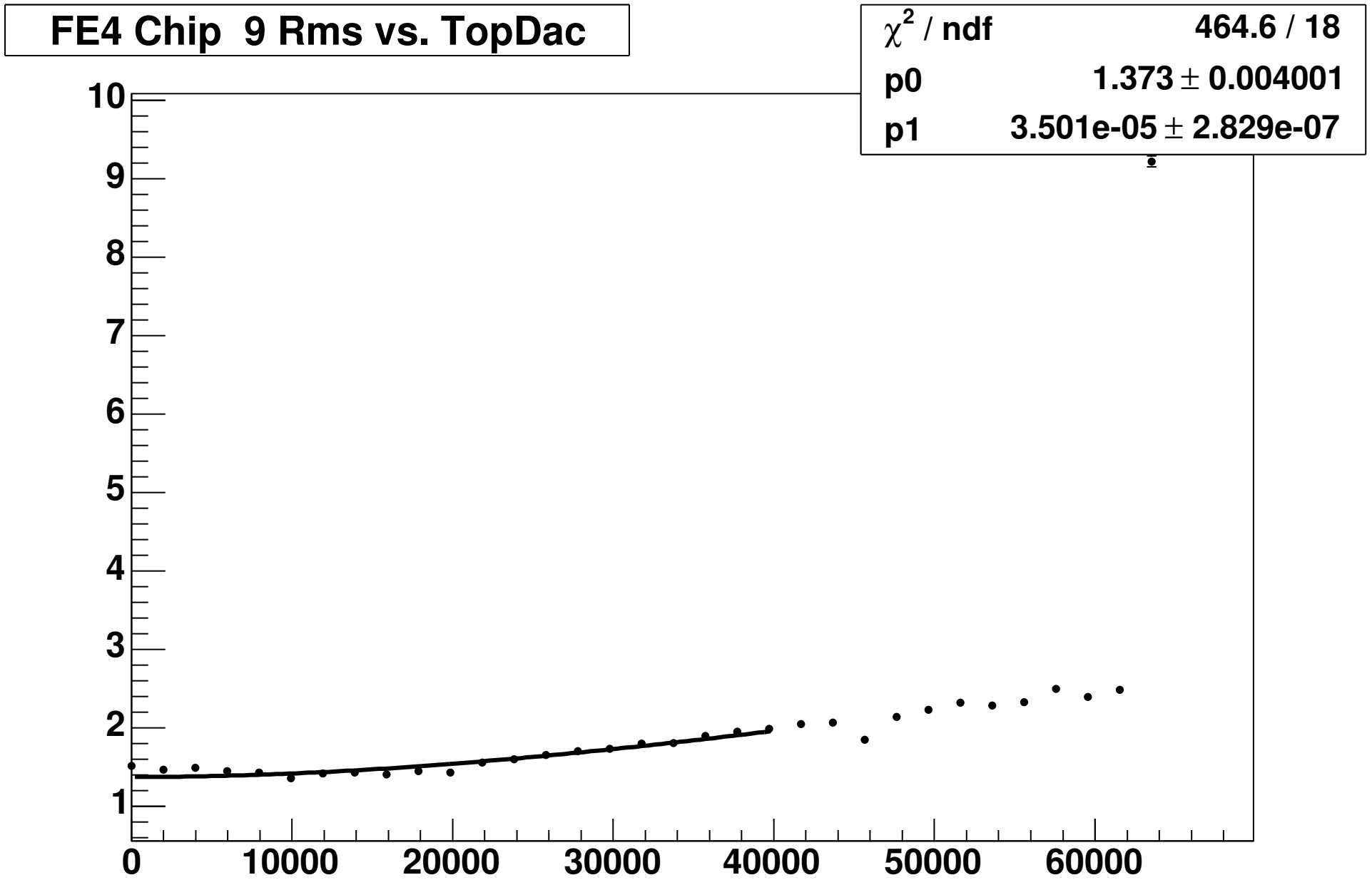
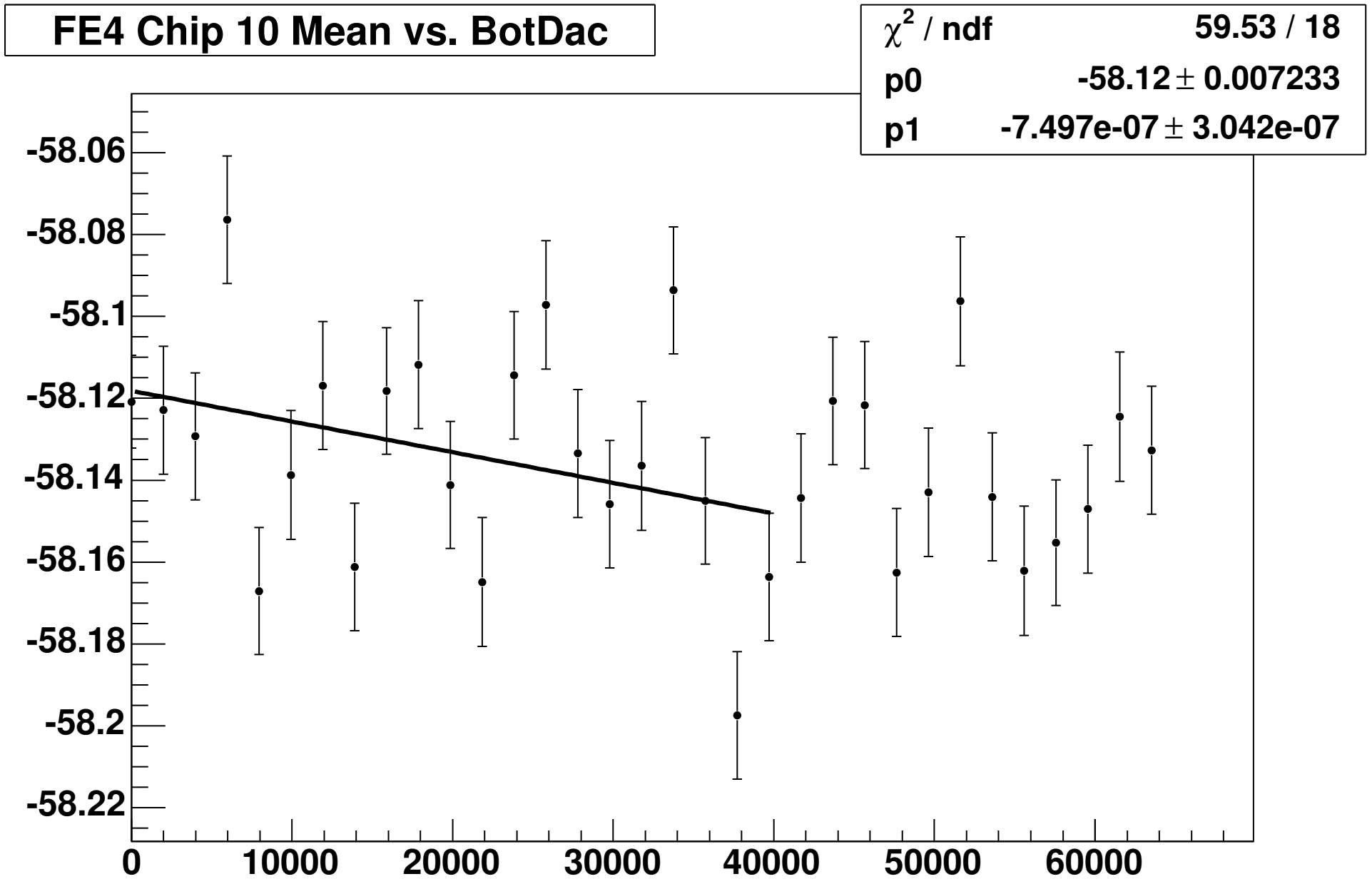
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 464.6 / 18
p0 1.373 ± 0.004001
p1 3.501e-05 ± 2.829e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 59.53 / 18
p0 -58.12 ± 0.007233
p1 -7.497e-07 ± 3.042e-07
-58.06
-58.08
-58.1
-58.12
-58.14
-58.16
-58.18
-58.2
-58.22
0
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30000
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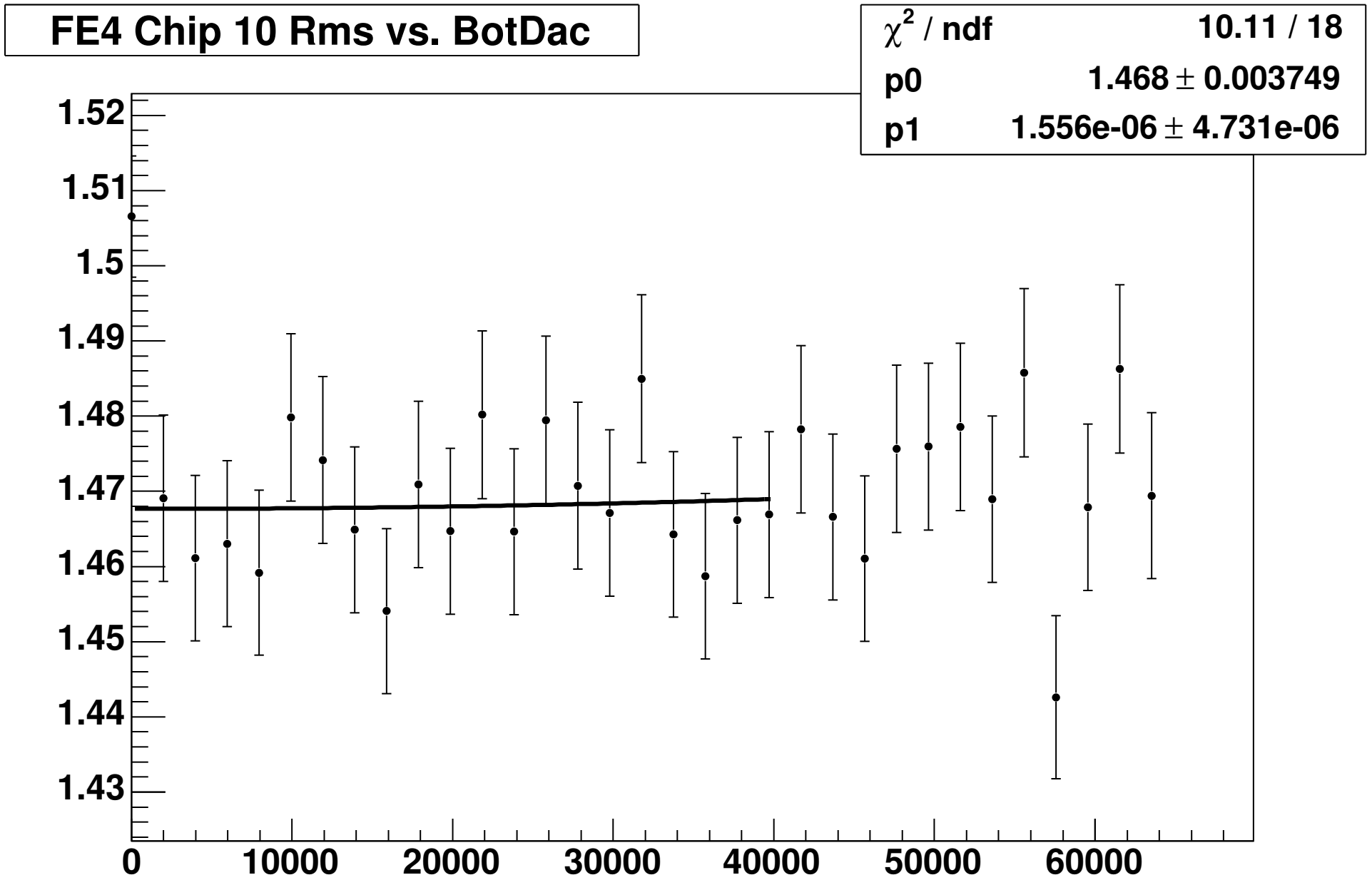
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 10.11 / 18
p0 1.468 ± 0.003749
p1 1.556e-06 ± 4.731e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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50000
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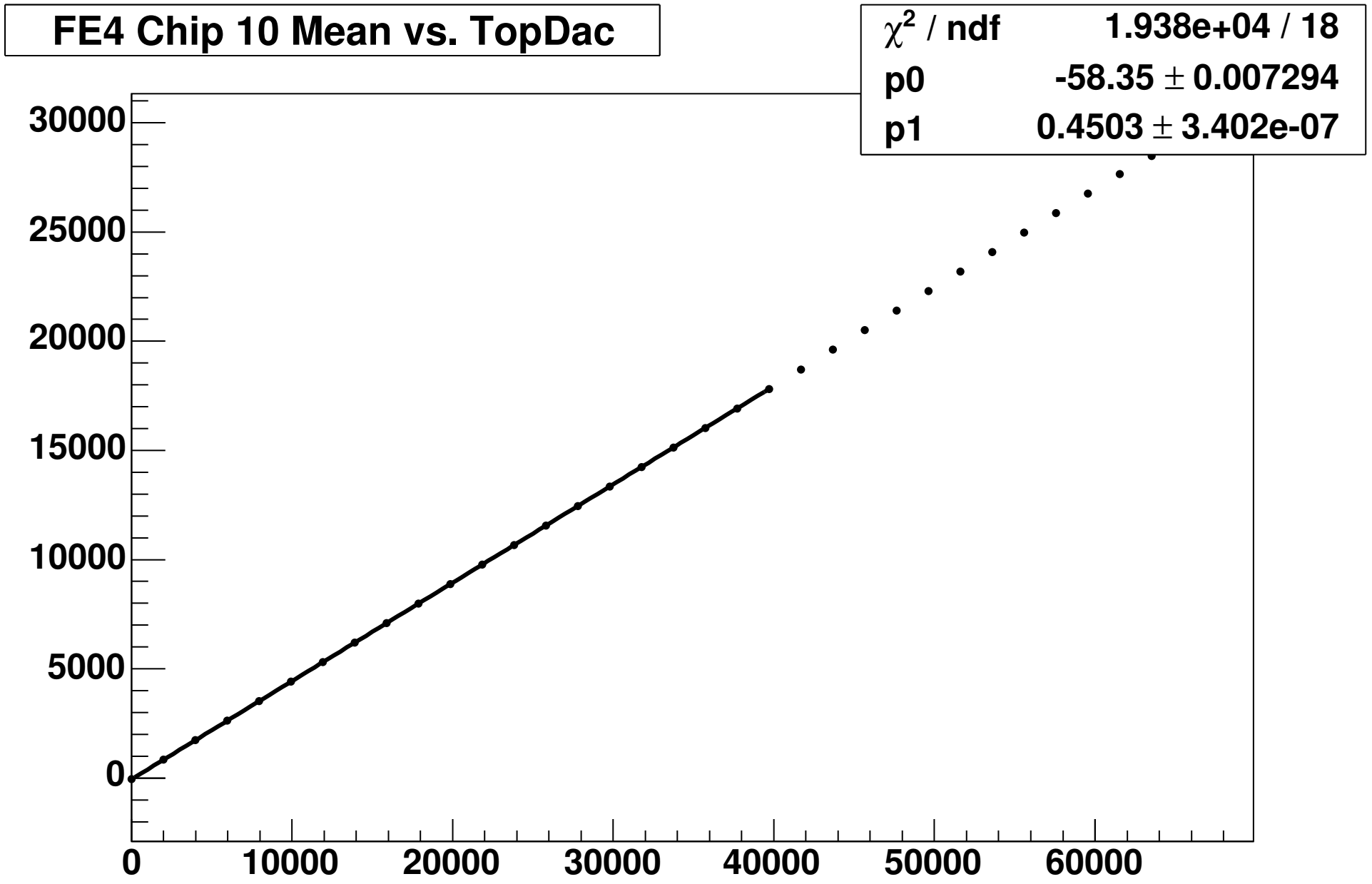
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.938e+04 / 18
p0 -58.35 ± 0.007294
p1 0.4503 ± 3.402e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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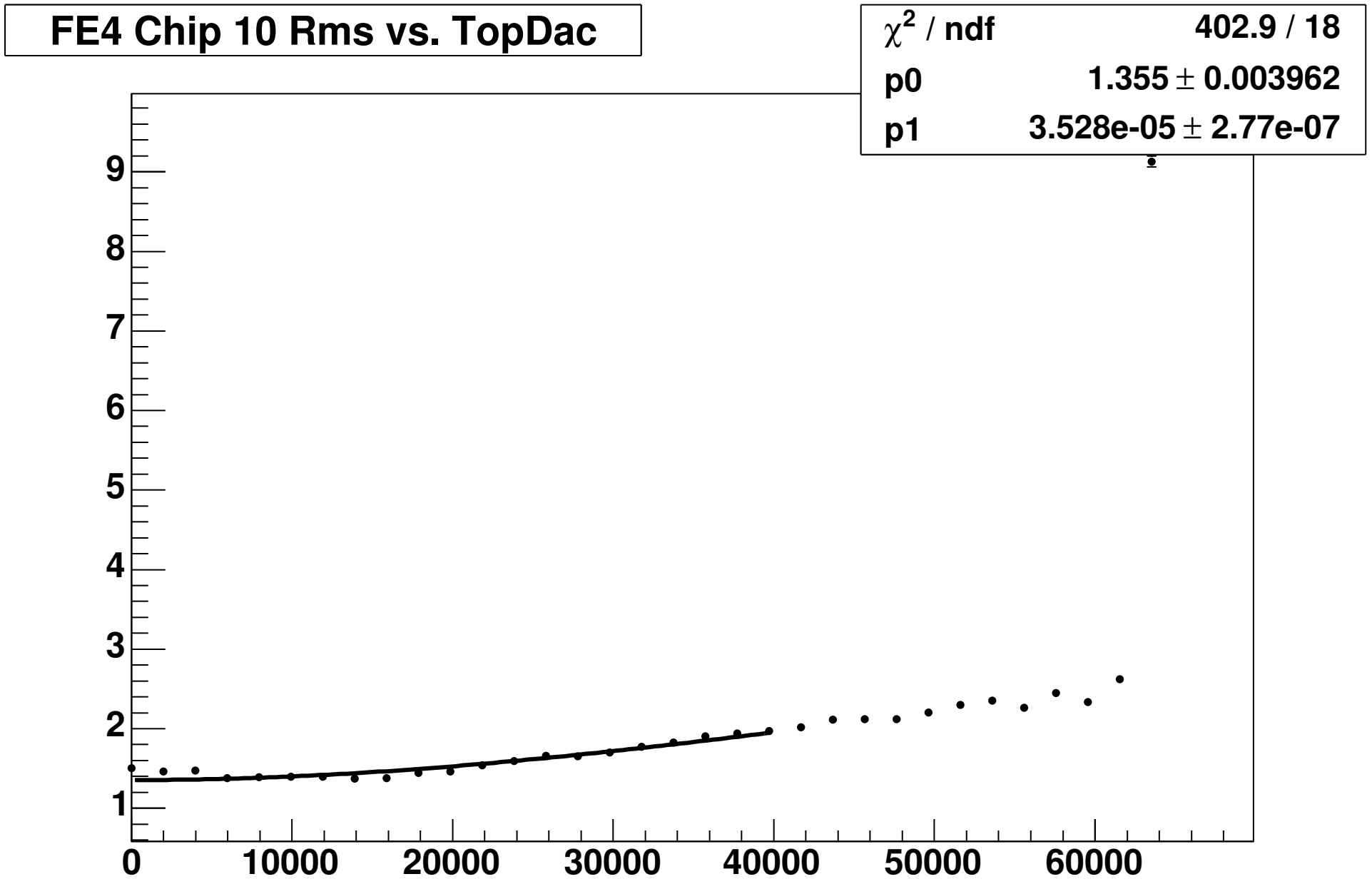
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 402.9 / 18
p0 1.355 ± 0.003962
p1 3.528e-05 ± 2.77e-07
9
8
7
6
5
4
3
2
1
0
10000
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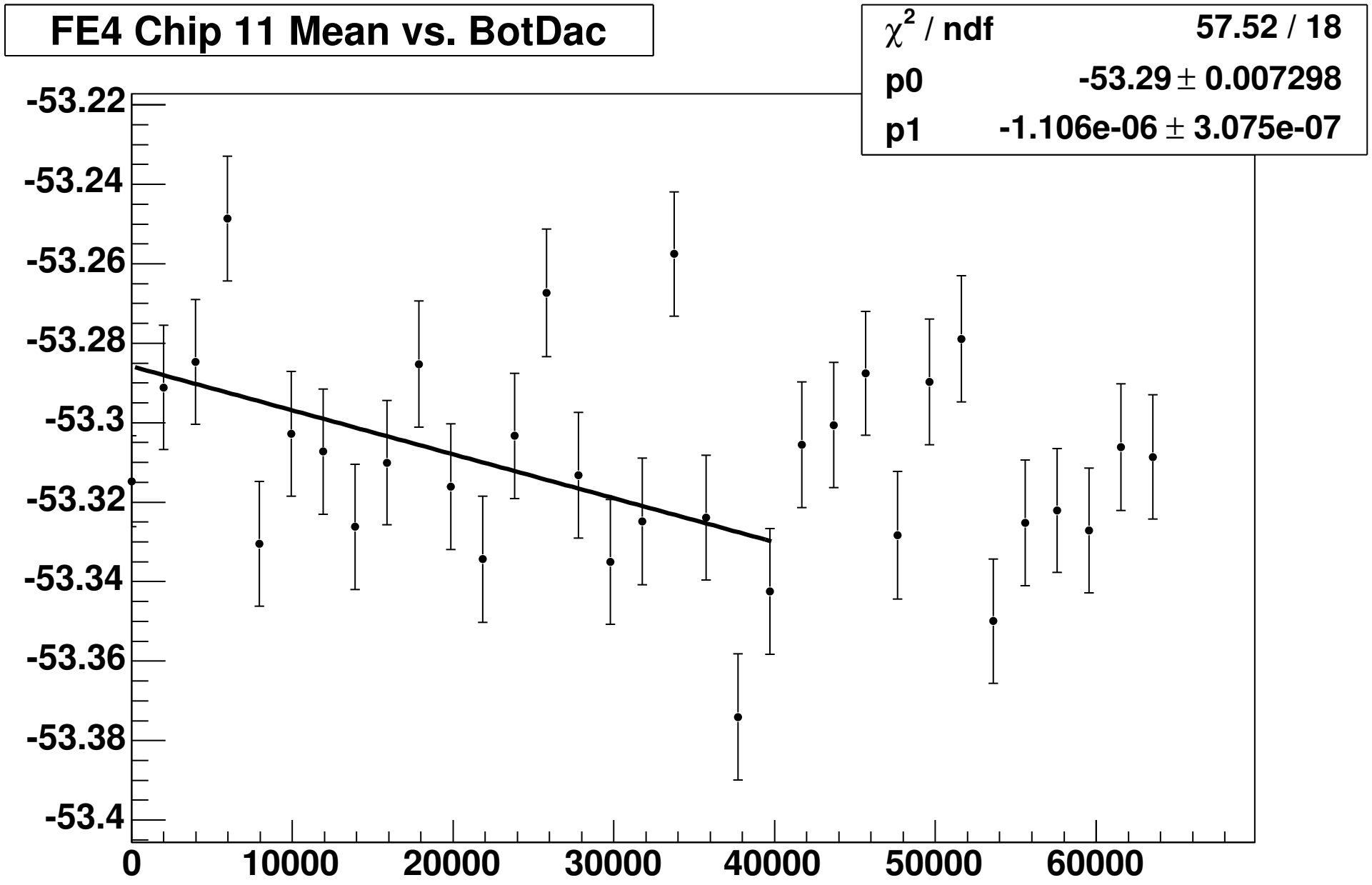
60000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 57.52 / 18
p0 -53.29 ± 0.007298
p1 -1.106e-06 ± 3.075e-07
-53.22
-53.24
-53.26
-53.28
-53.3
-53.32
-53.34
-53.36
-53.38
-53.4
0
10000
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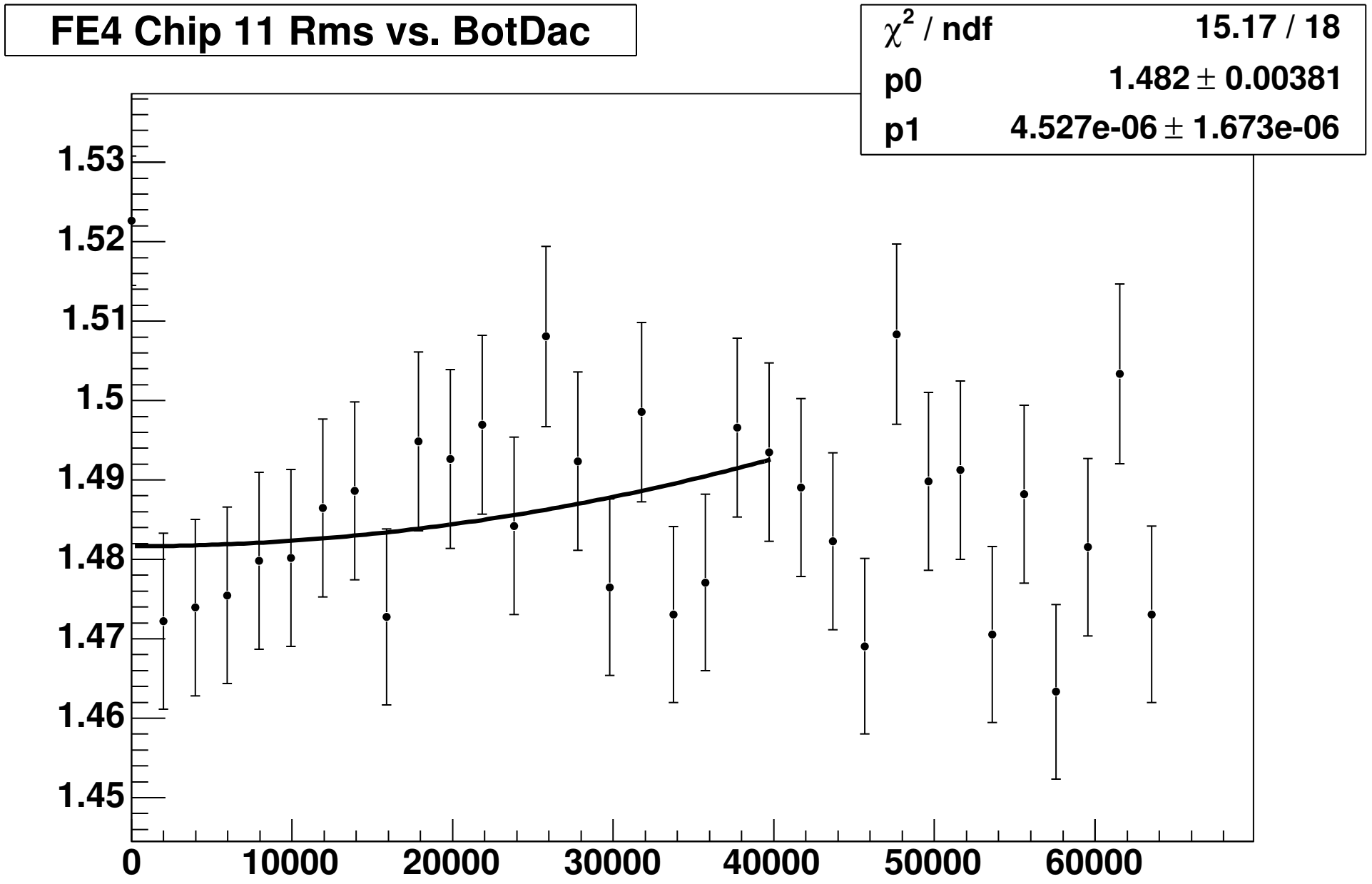
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 15.17 / 18
p0 1.482 ± 0.00381
p1 4.527e-06 ± 1.673e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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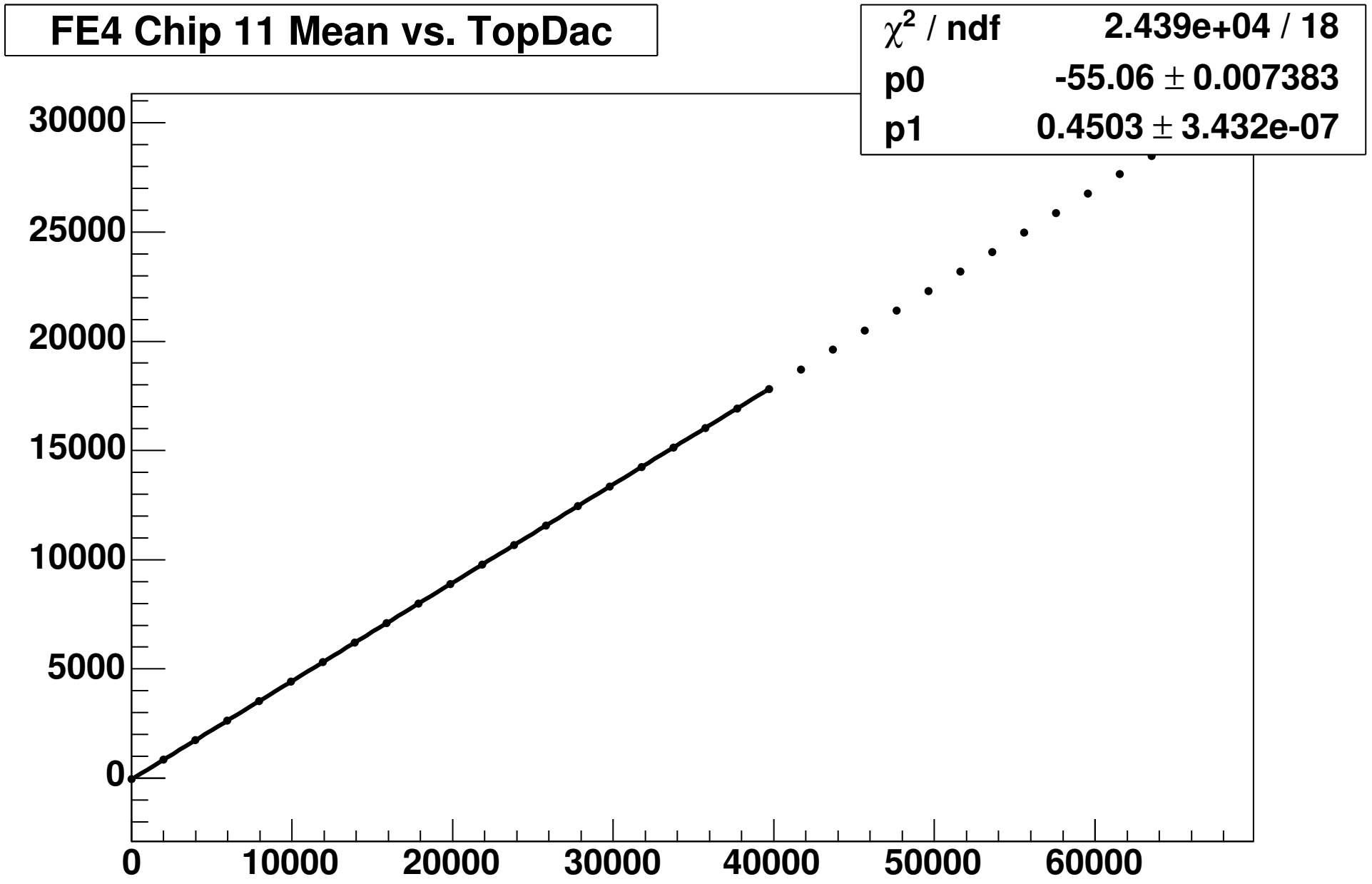
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 2.439e+04 / 18
p0 -55.06 ± 0.007383
p1 0.4503 ± 3.432e-07
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25000
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10000
5000
0
0
10000
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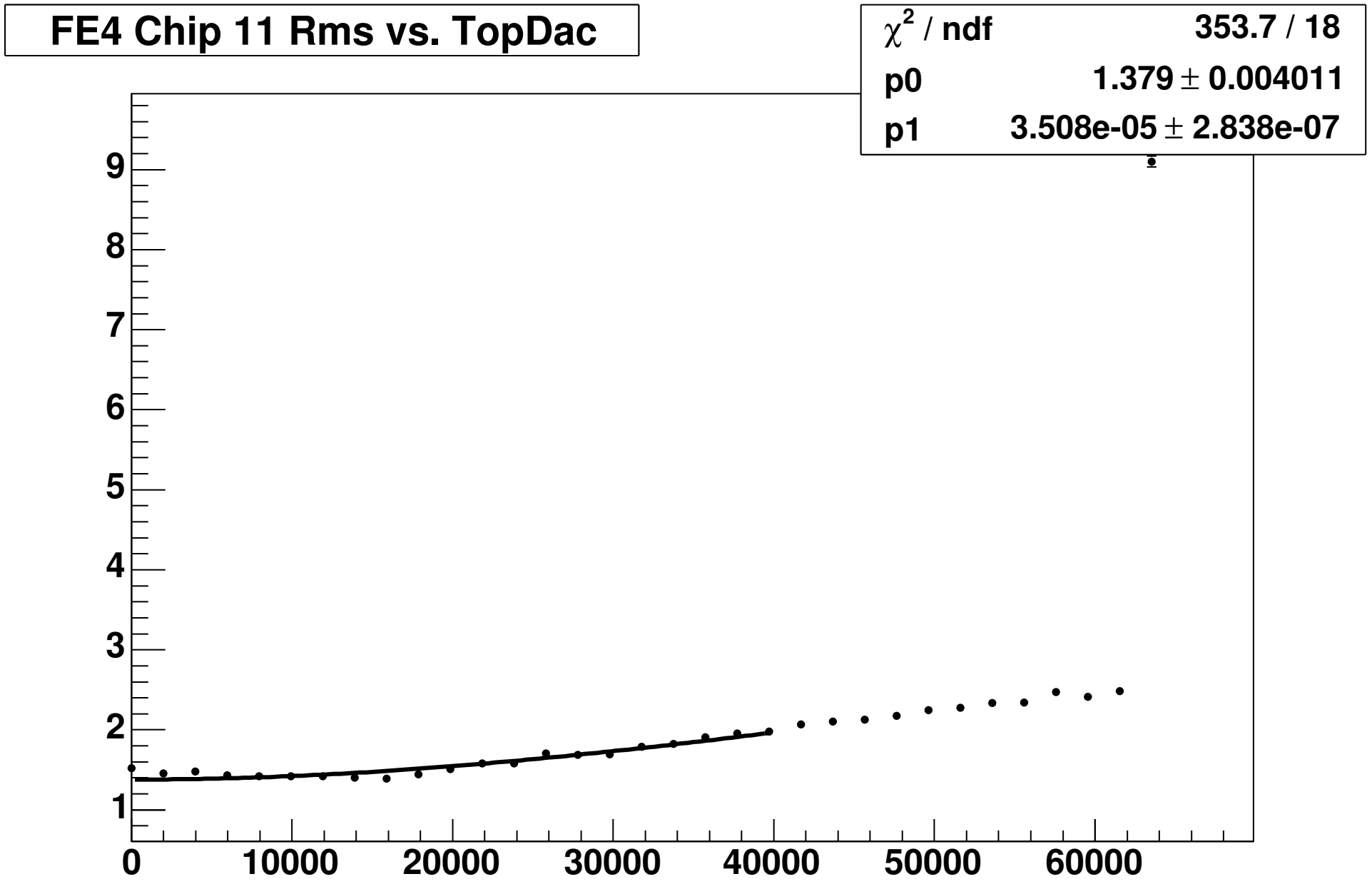
30000
40000
50000
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 353.7 / 18
p0 1.379 ± 0.004011
p1 3.508e-05 ± 2.838e-07
9
8
7
6
5
4
3
2
1
0
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30000
40000
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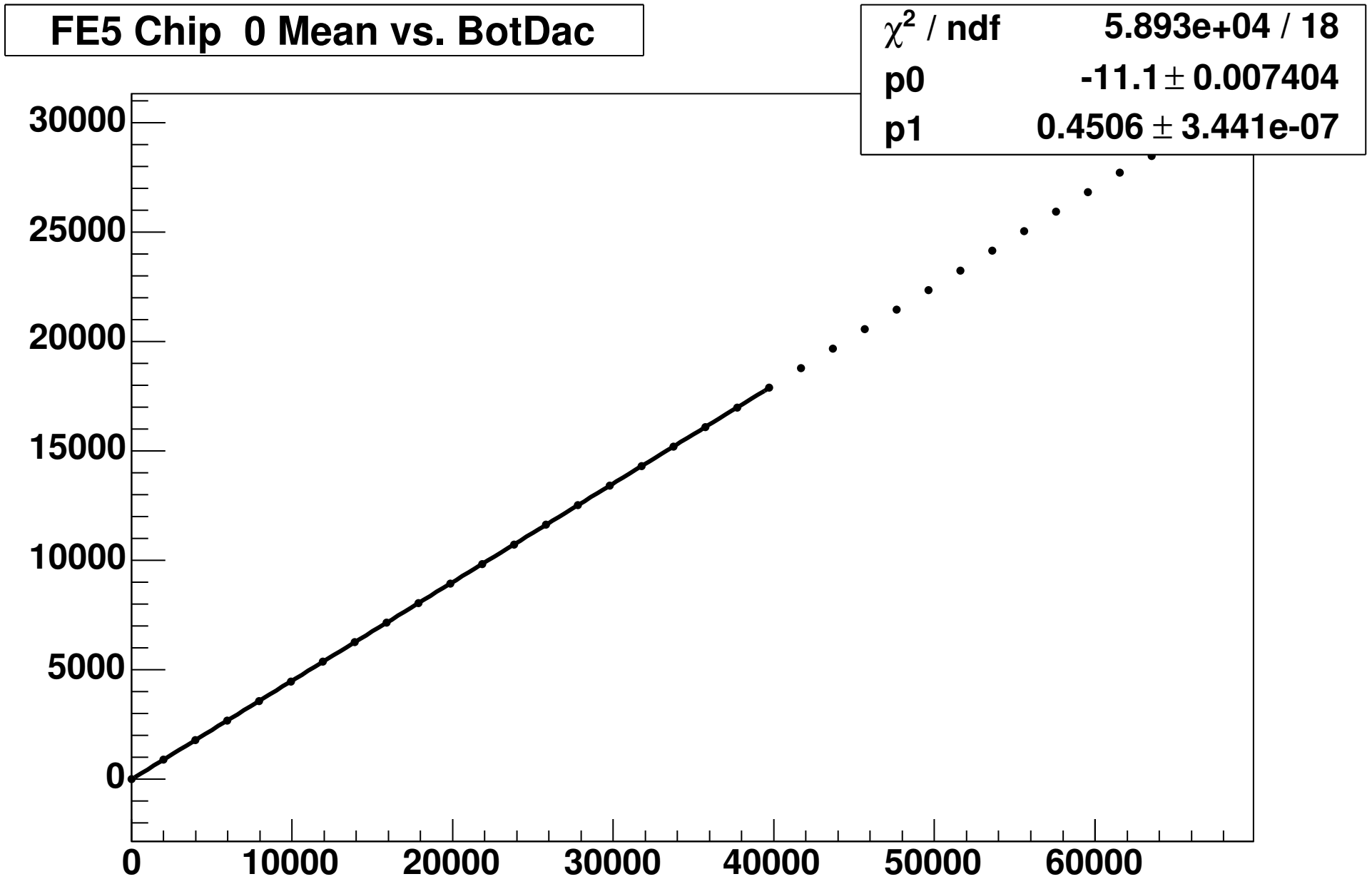
60000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 5.893e+04 / 18
p0 -11.1 ± 0.007404
p1 0.4506 ± 3.441e-07
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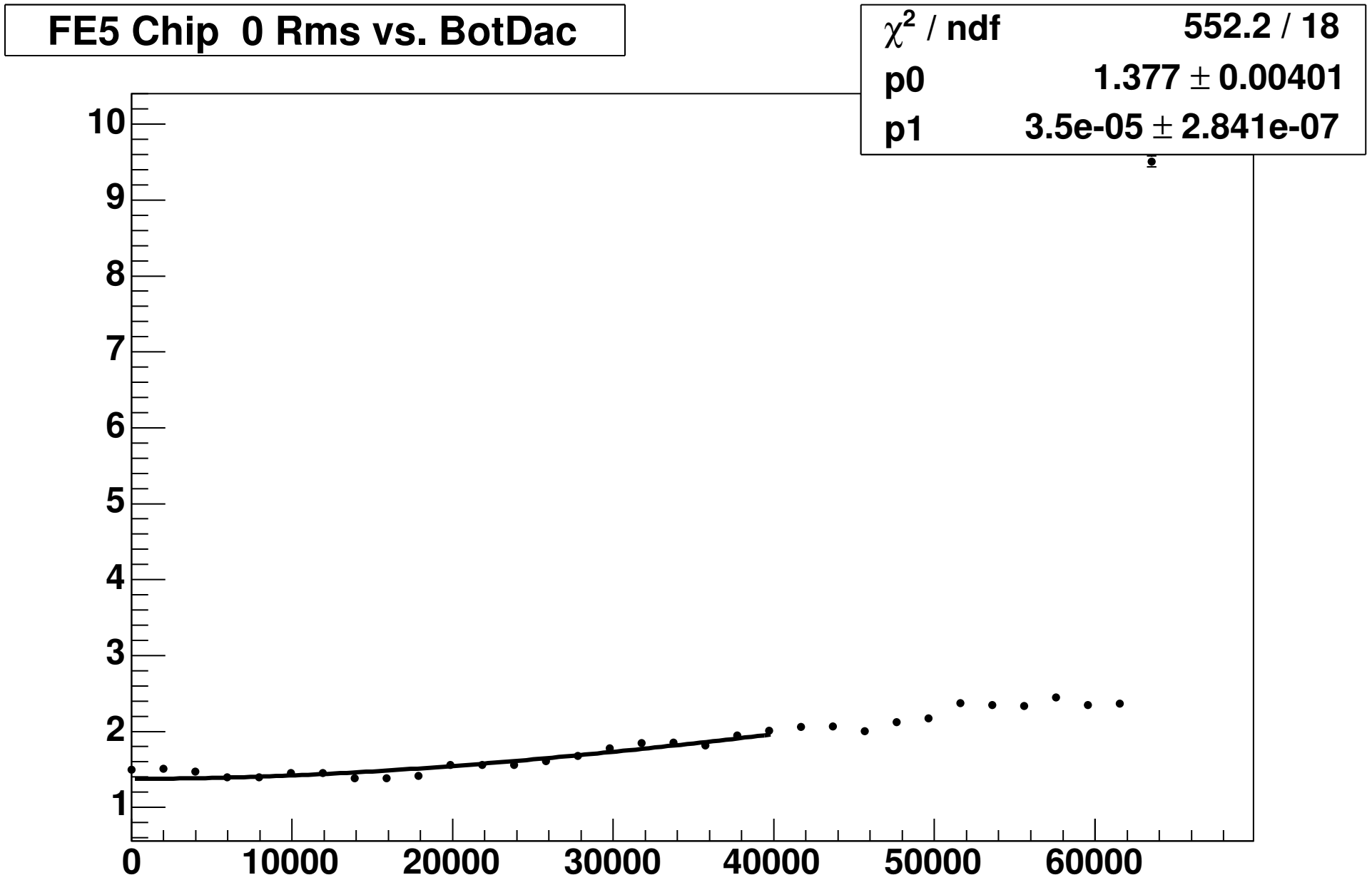
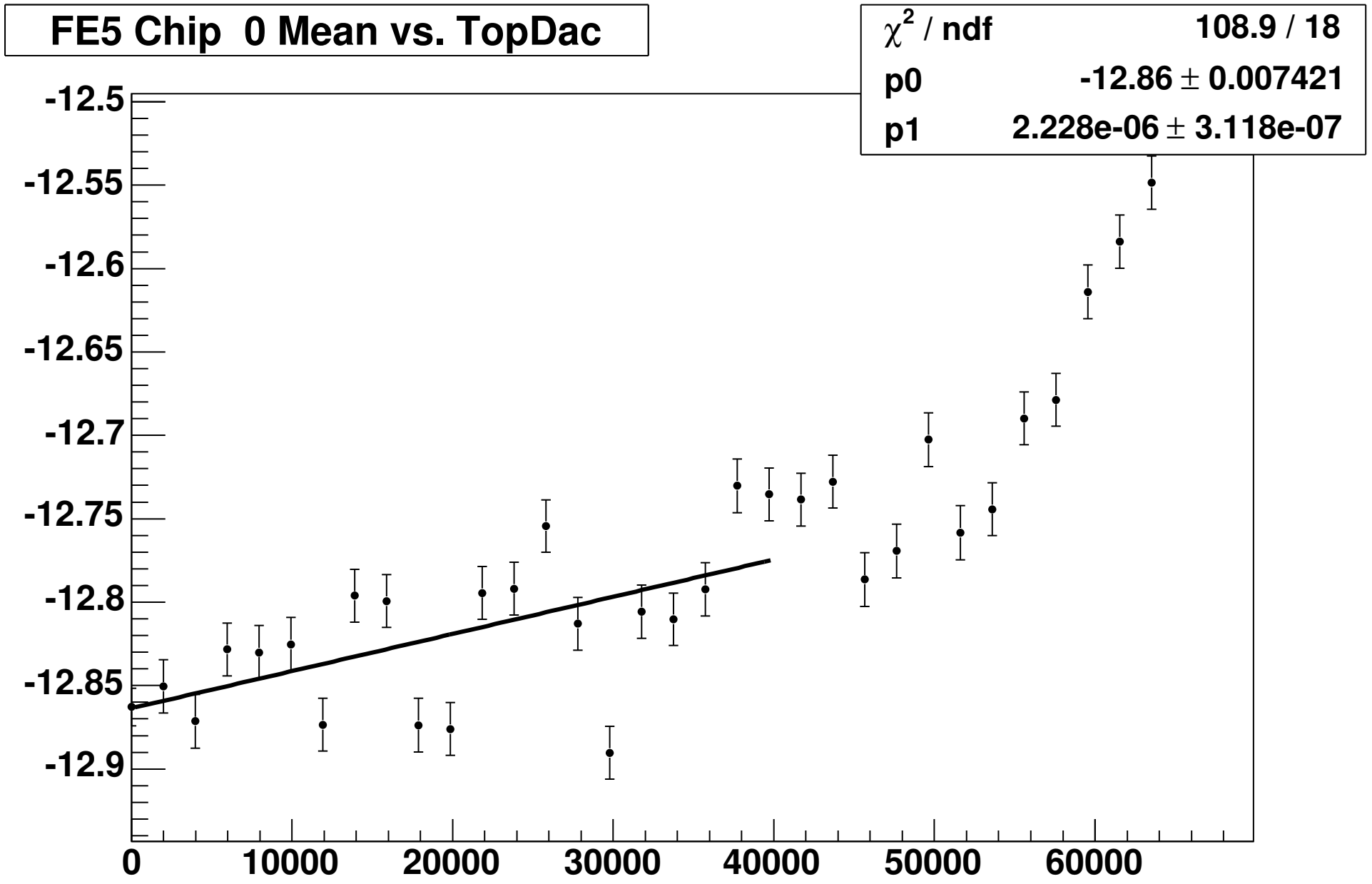
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 552.2 / 18
p0 1.377 ± 0.00401
p1 3.5e-05 ± 2.841e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 108.9 / 18
p0 -12.86 ± 0.007421
p1 2.228e-06 ± 3.118e-07
-12.5
-12.55
-12.6
-12.65
-12.7
-12.75
-12.8
-12.85
-12.9
0
10000
20000
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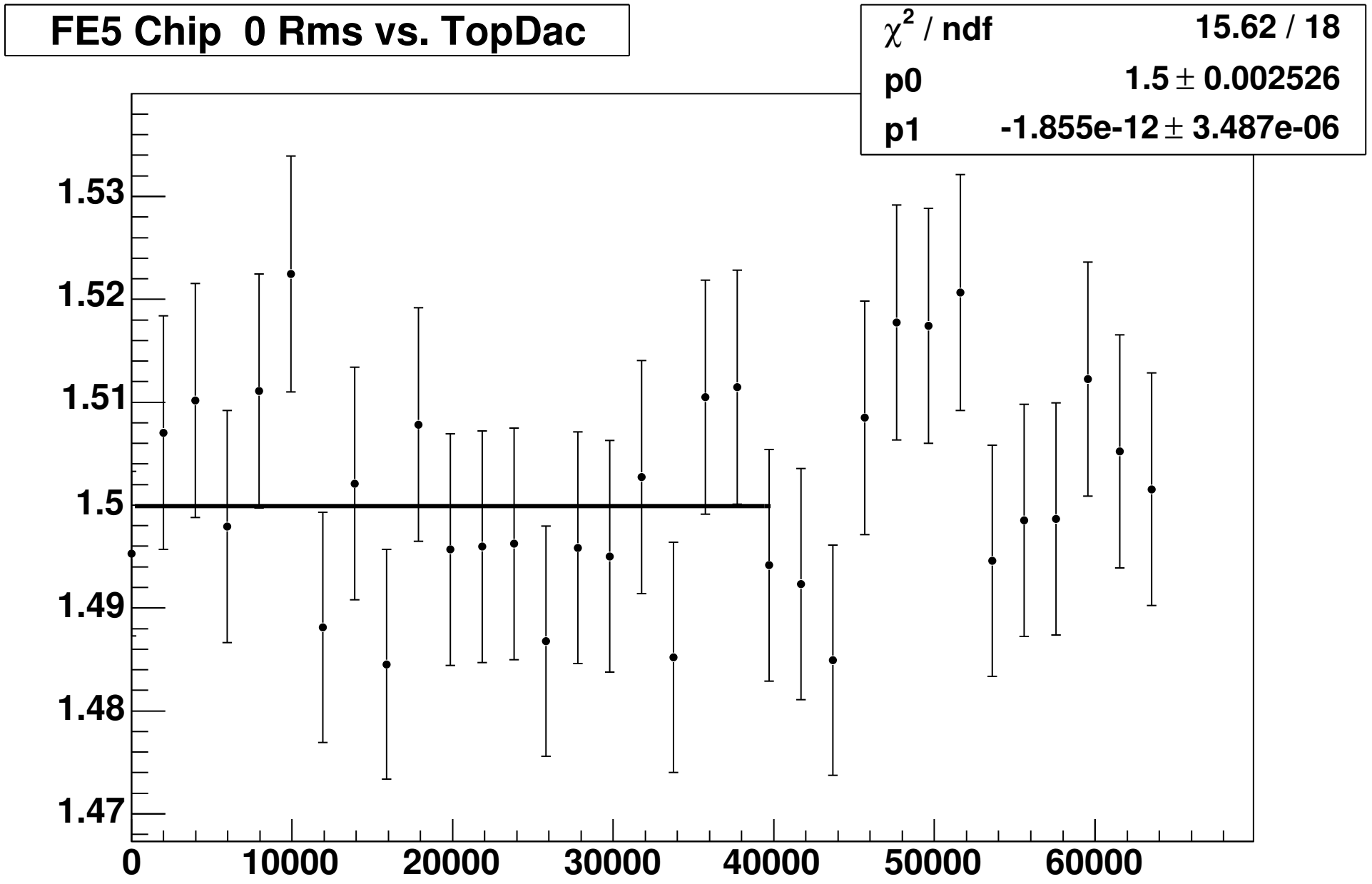
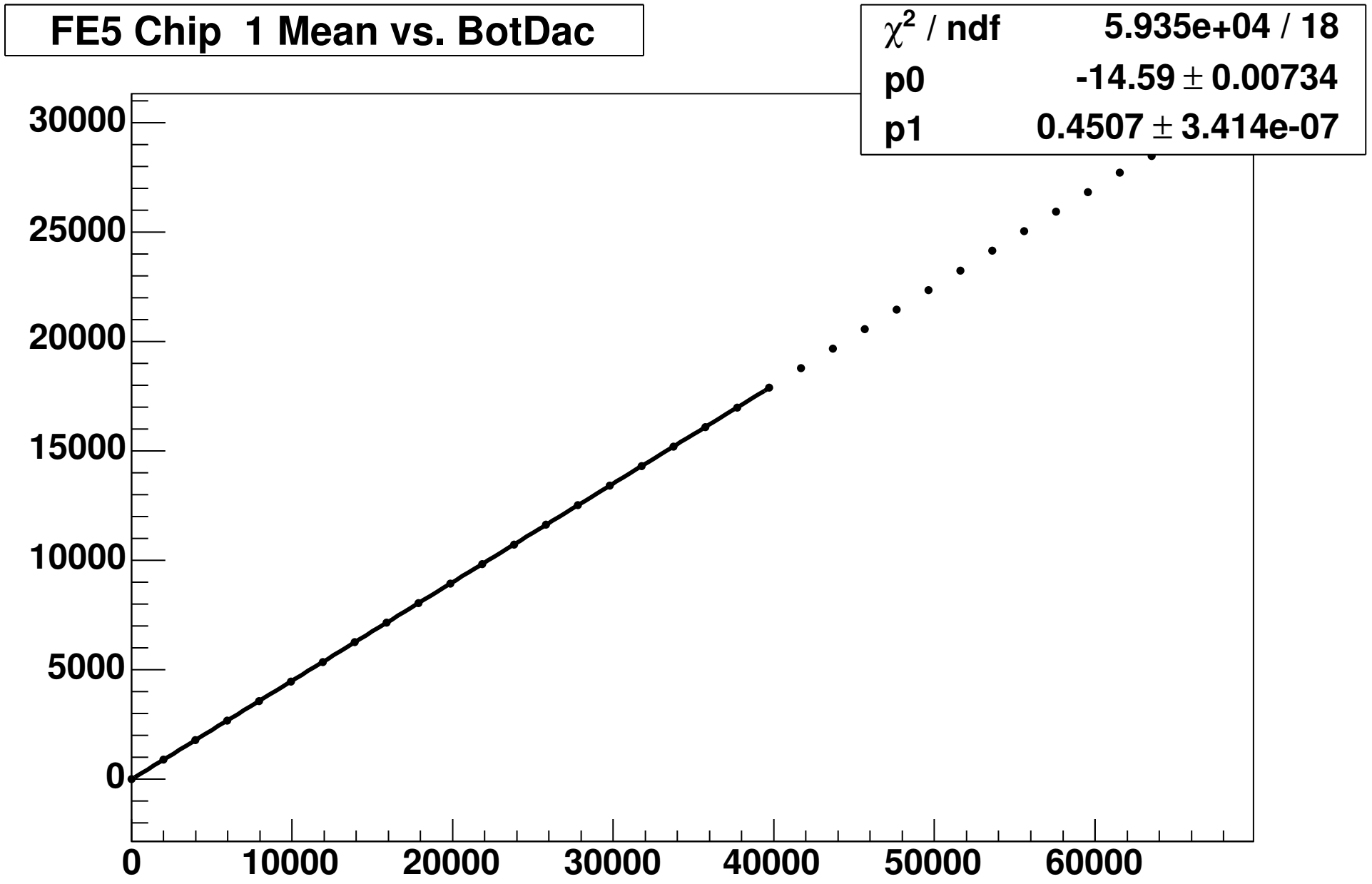
50000
60000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 15.62 / 18
p0 1.5 ± 0.002526
p1 -1.855e-12 ± 3.487e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 5.935e+04 / 18
p0 -14.59 ± 0.00734
p1 0.4507 ± 3.414e-07
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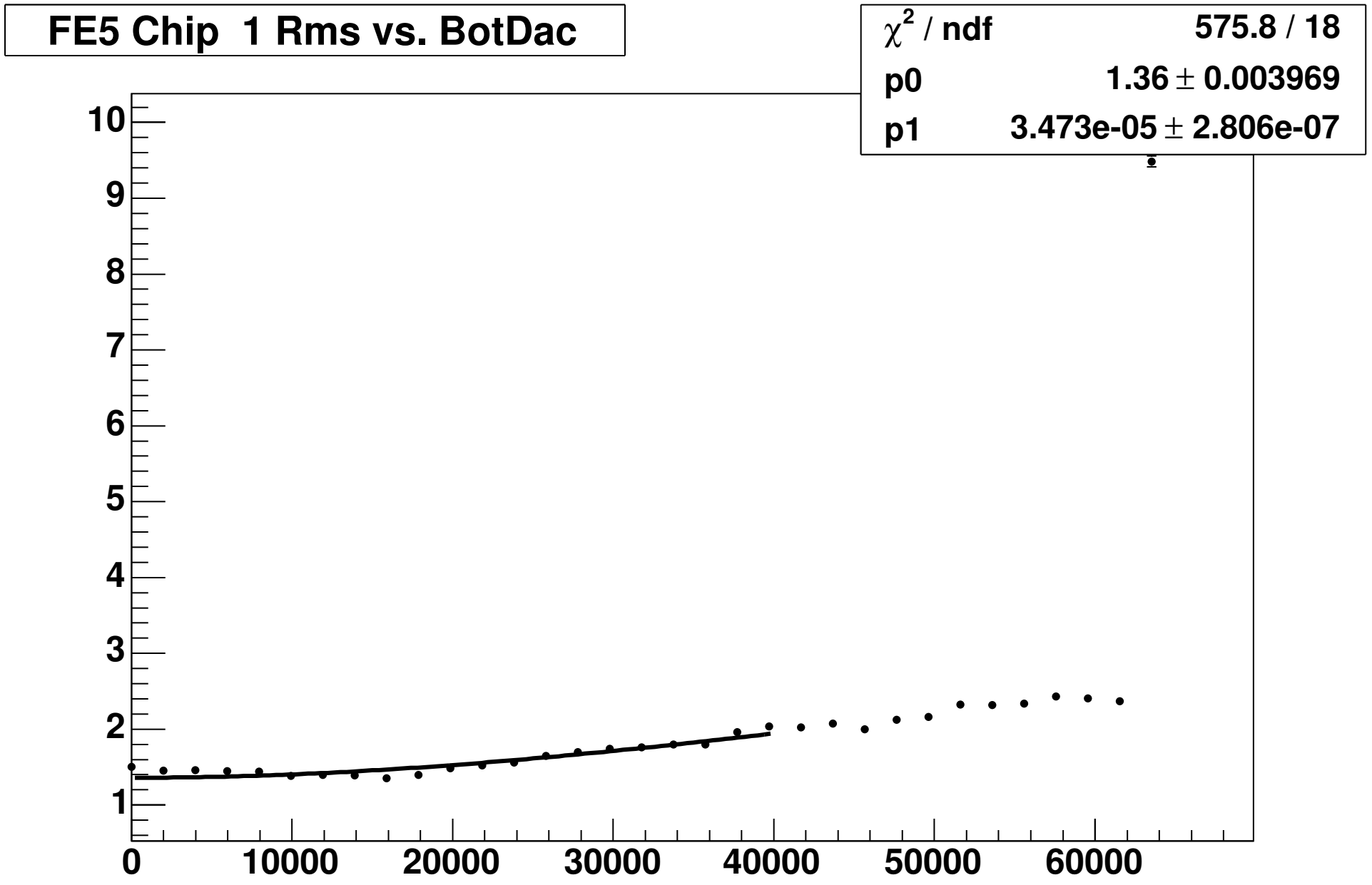
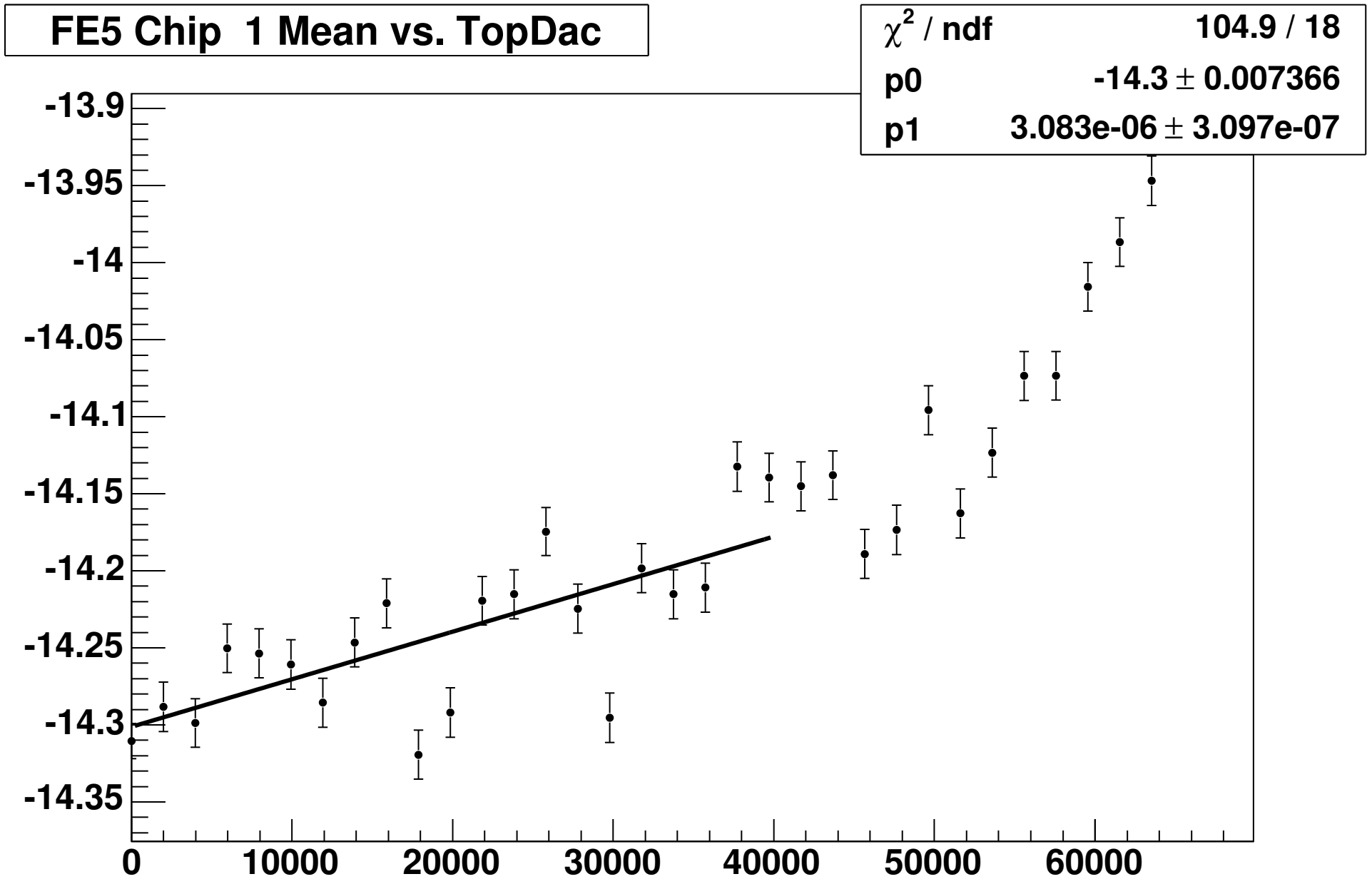
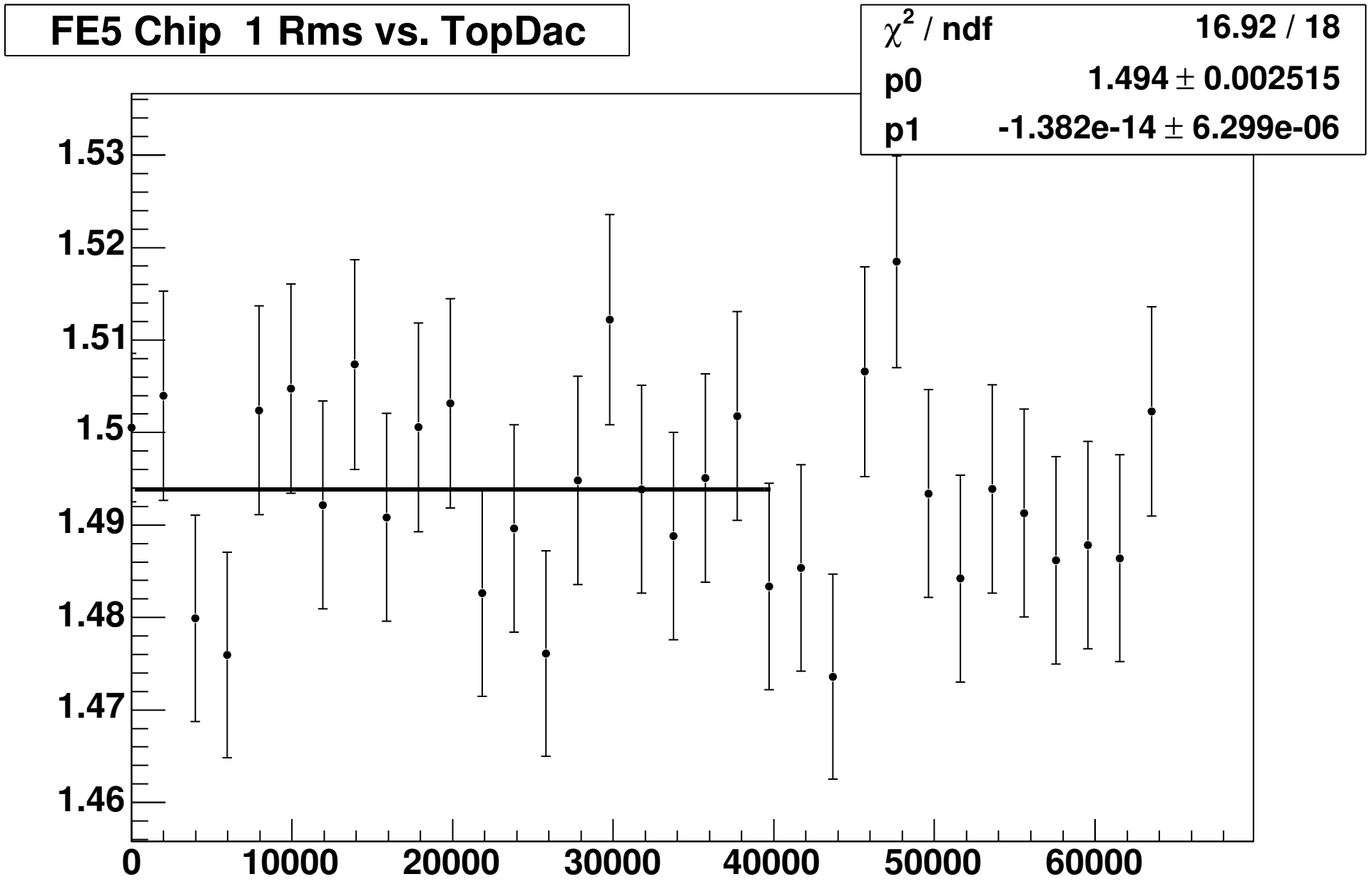
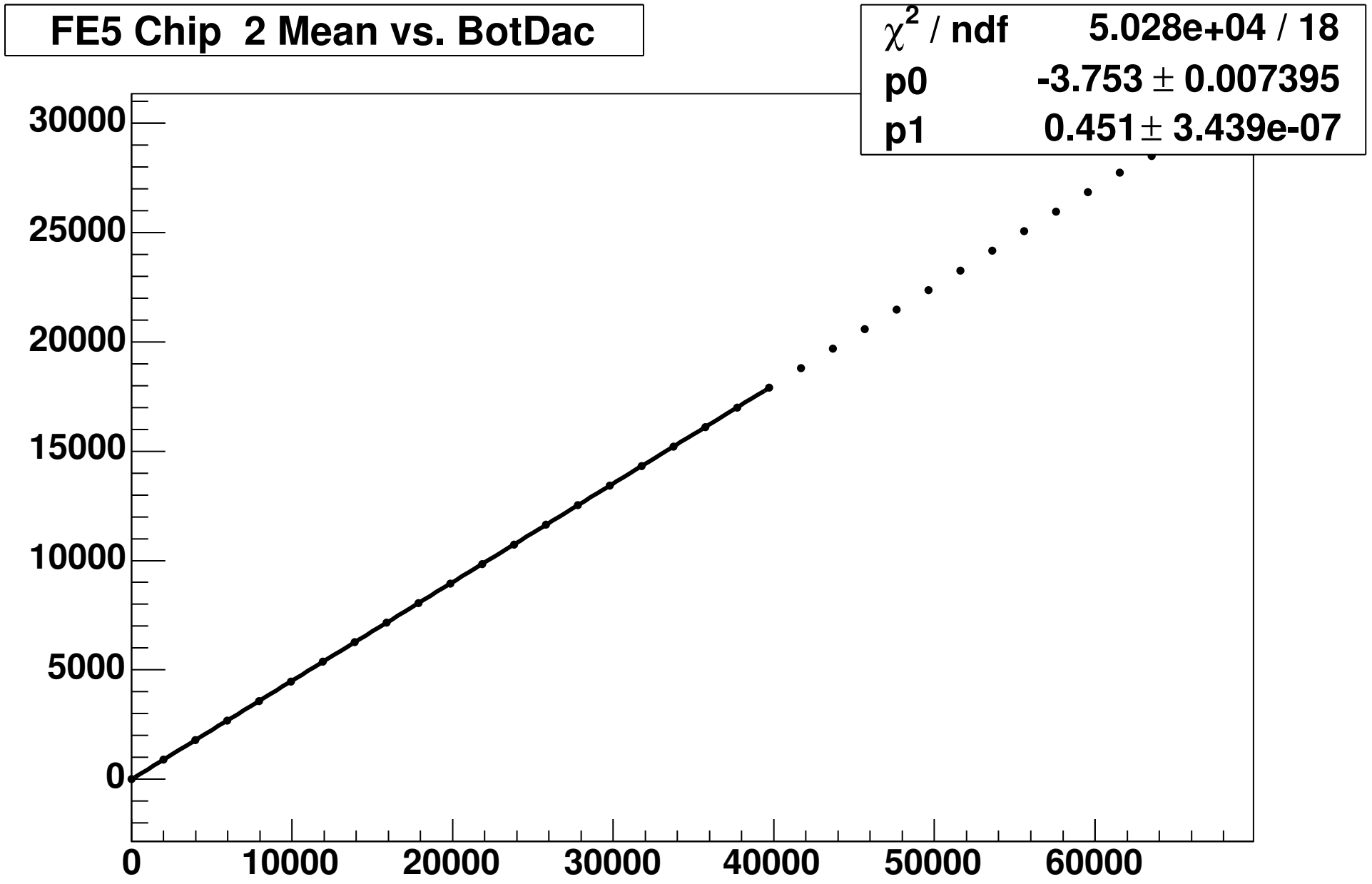
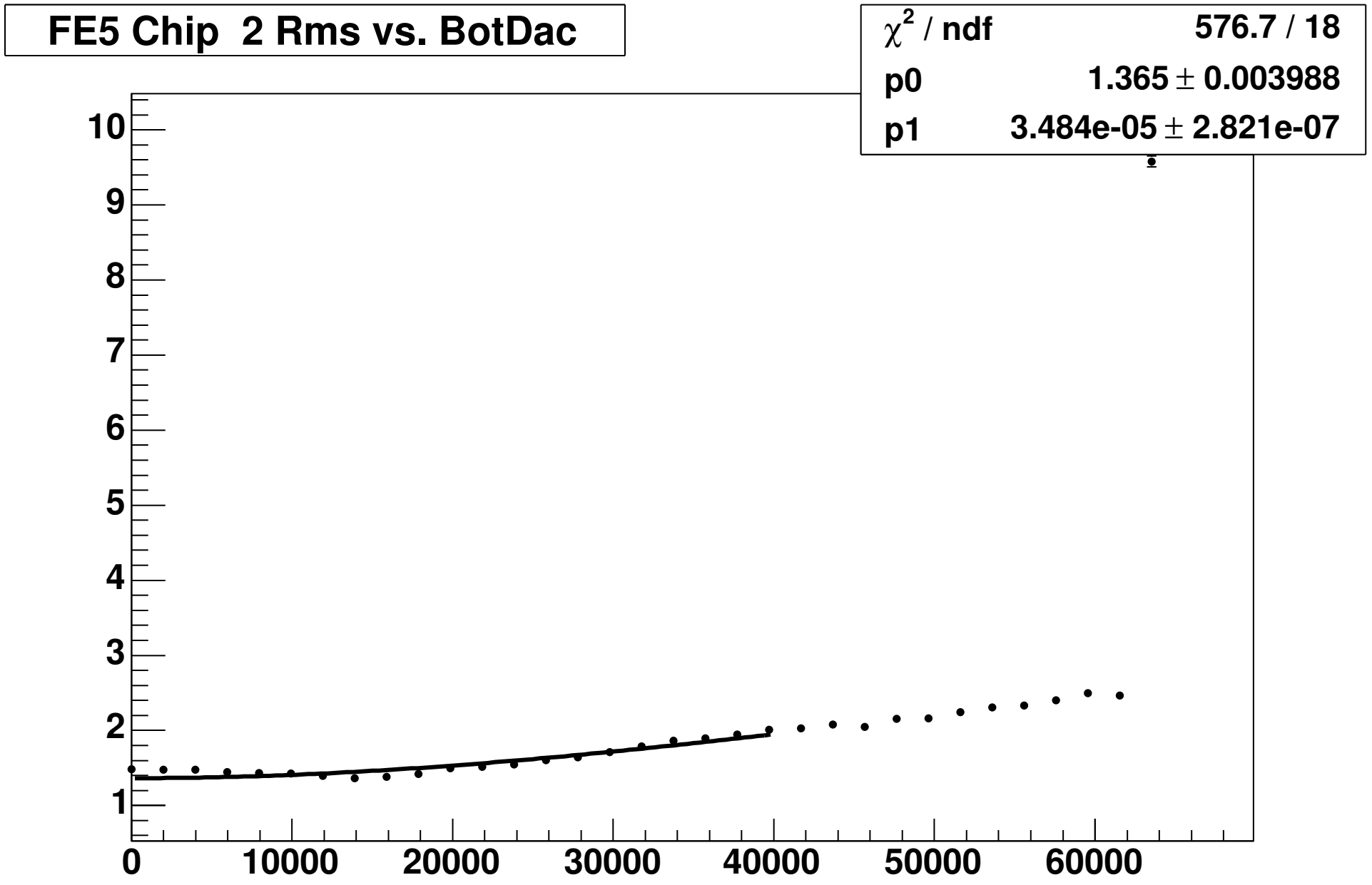
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

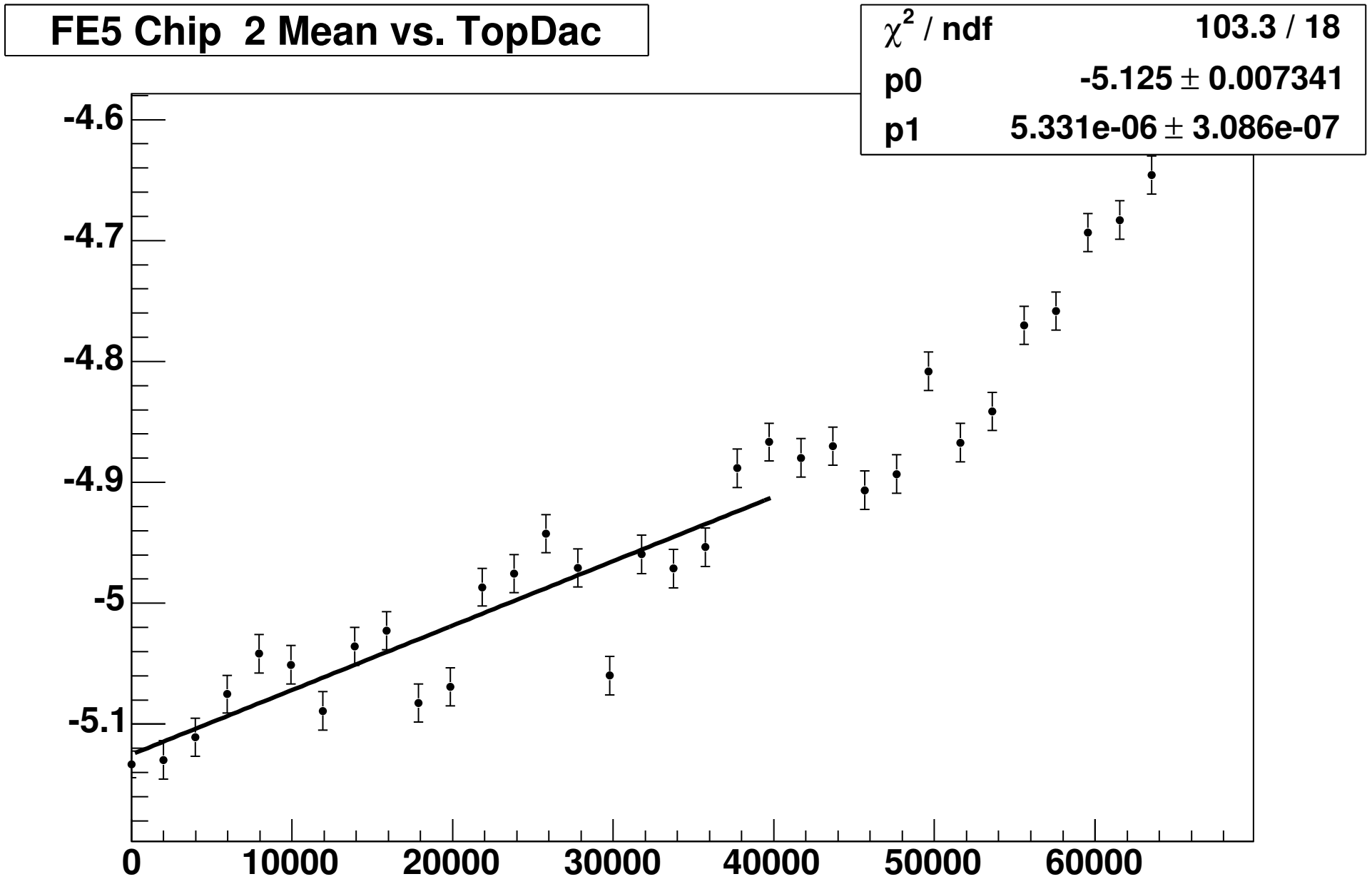

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 575.8 / 18
p0 1.36 ± 0.003969
p1 3.473e-05 ± 2.806e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

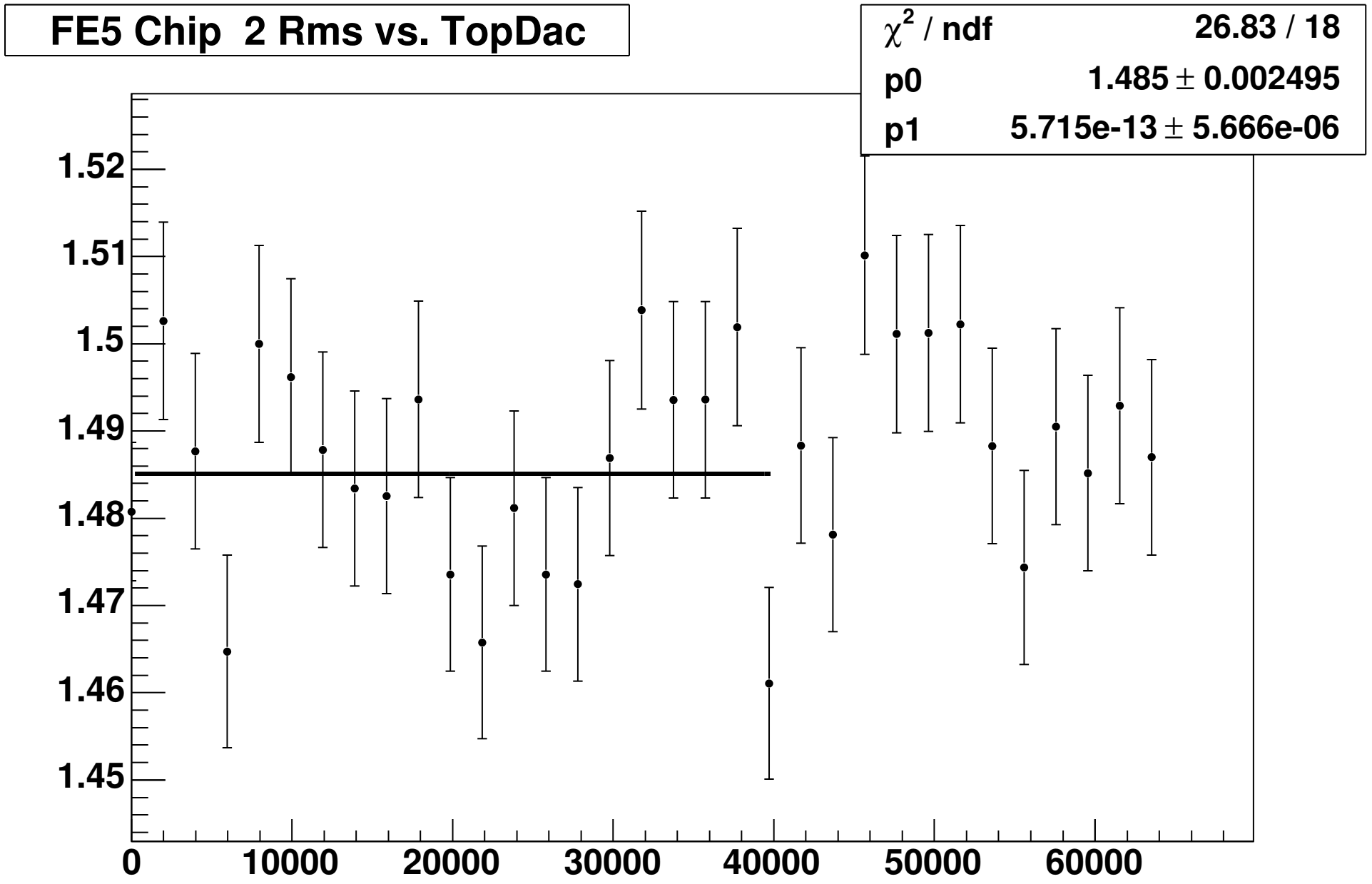

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 104.9 / 18
p0 -14.3 ± 0.007366
p1 3.083e-06 ± 3.097e-07
-13.9
-13.95
-14
-14.05
-14.1
-14.15
-14.2
-14.25
-14.3
-14.35
0
10000
20000
30000
40000
50000
60000

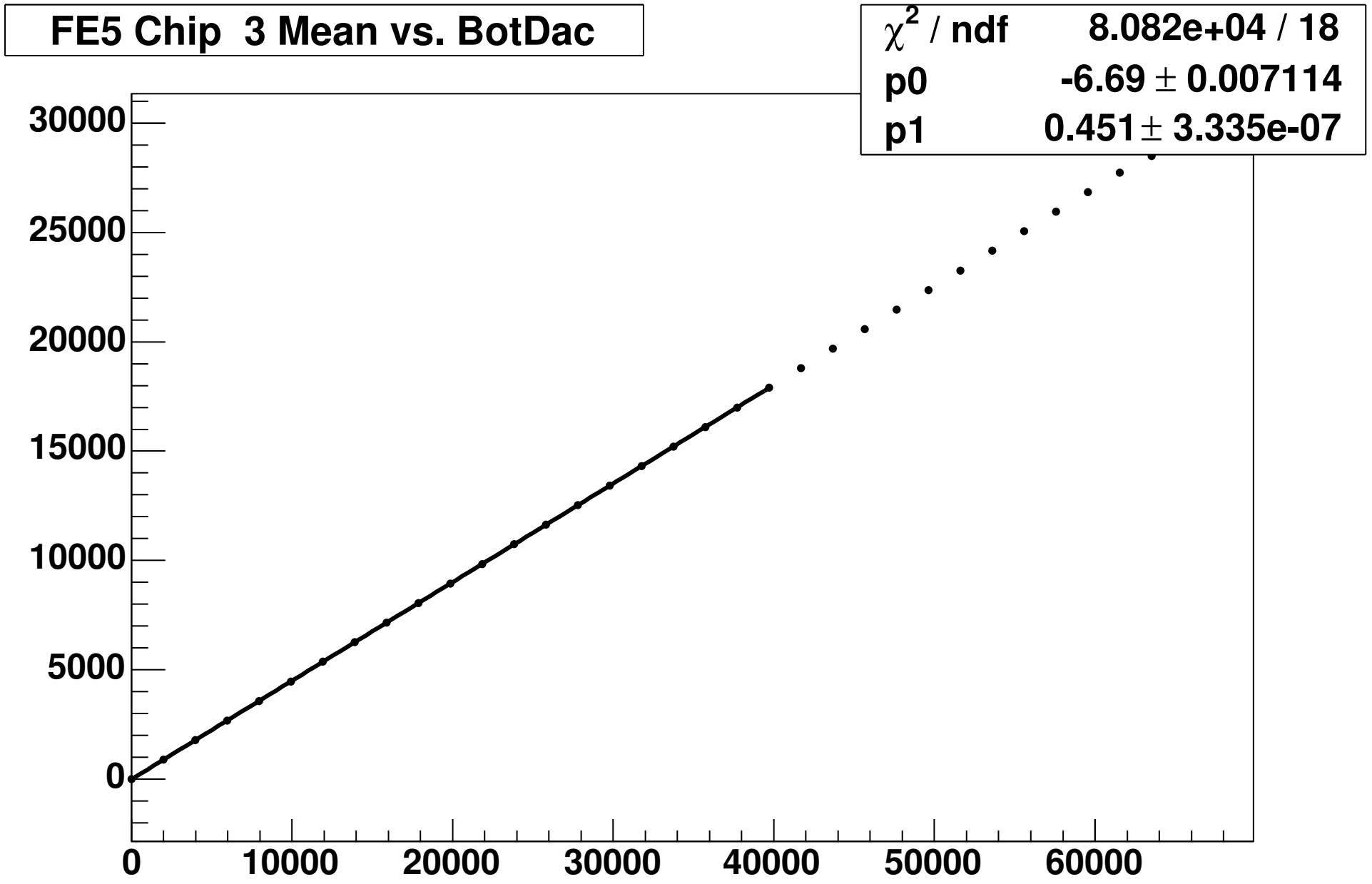

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 16.92 / 18
p0 1.494 ± 0.002515
p1 -1.382e-14 ± 6.299e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 5.028e+04 / 18
p0 -3.753 ± 0.007395
p1 0.451 ± 3.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 576.7 / 18
p0 1.365 ± 0.003988
p1 3.484e-05 ± 2.821e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 103.3 / 18
p0 -5.125 ± 0.007341
p1 5.331e-06 ± 3.086e-07
-4.6
-4.7
-4.8
-4.9
-5
-5.1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 26.83 / 18
p0 1.485 ± 0.002495
p1 5.715e-13 ± 5.666e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 8.082e+04 / 18
p0 -6.69 ± 0.007114
p1 0.451 ± 3.335e-07
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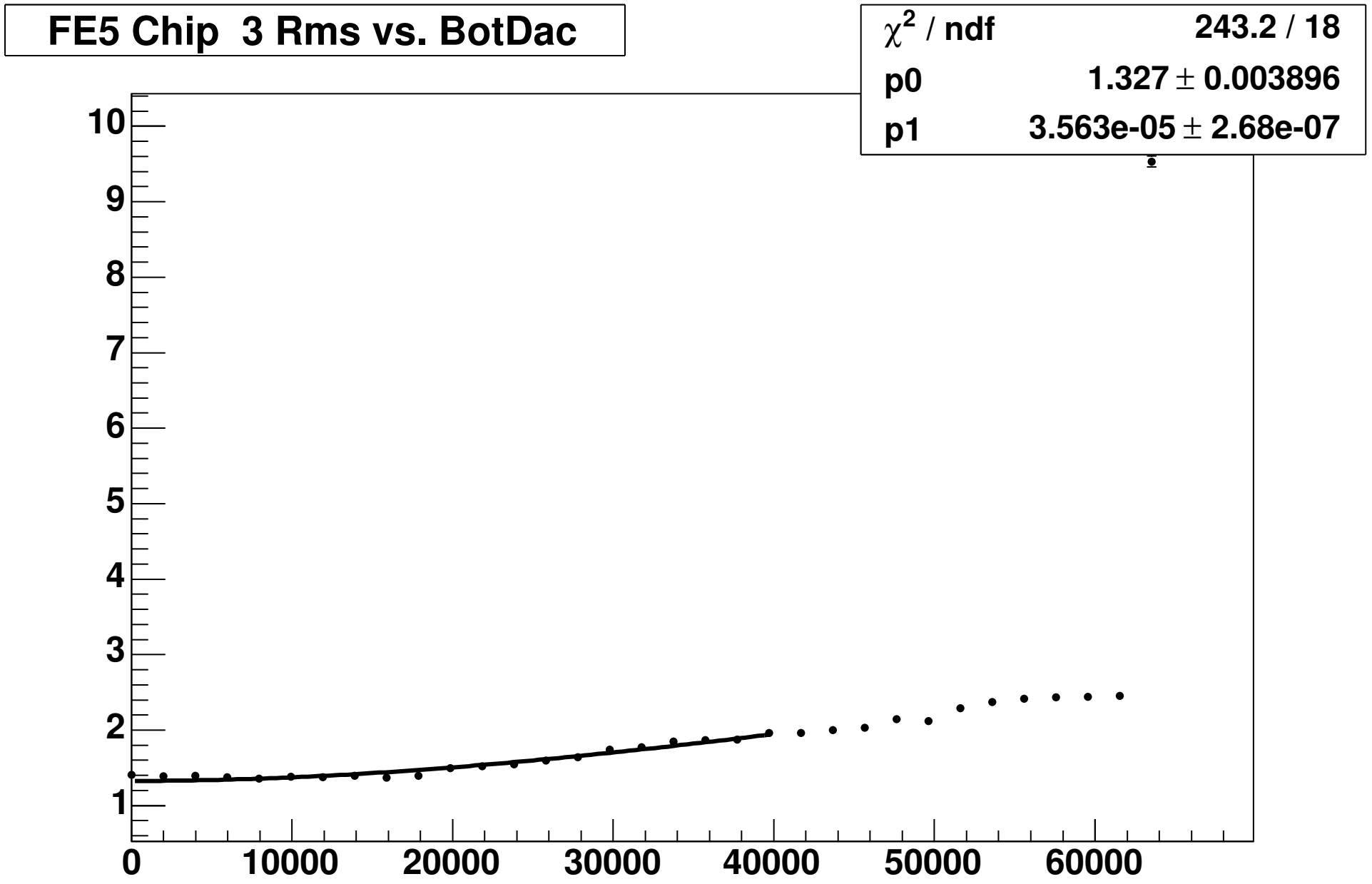
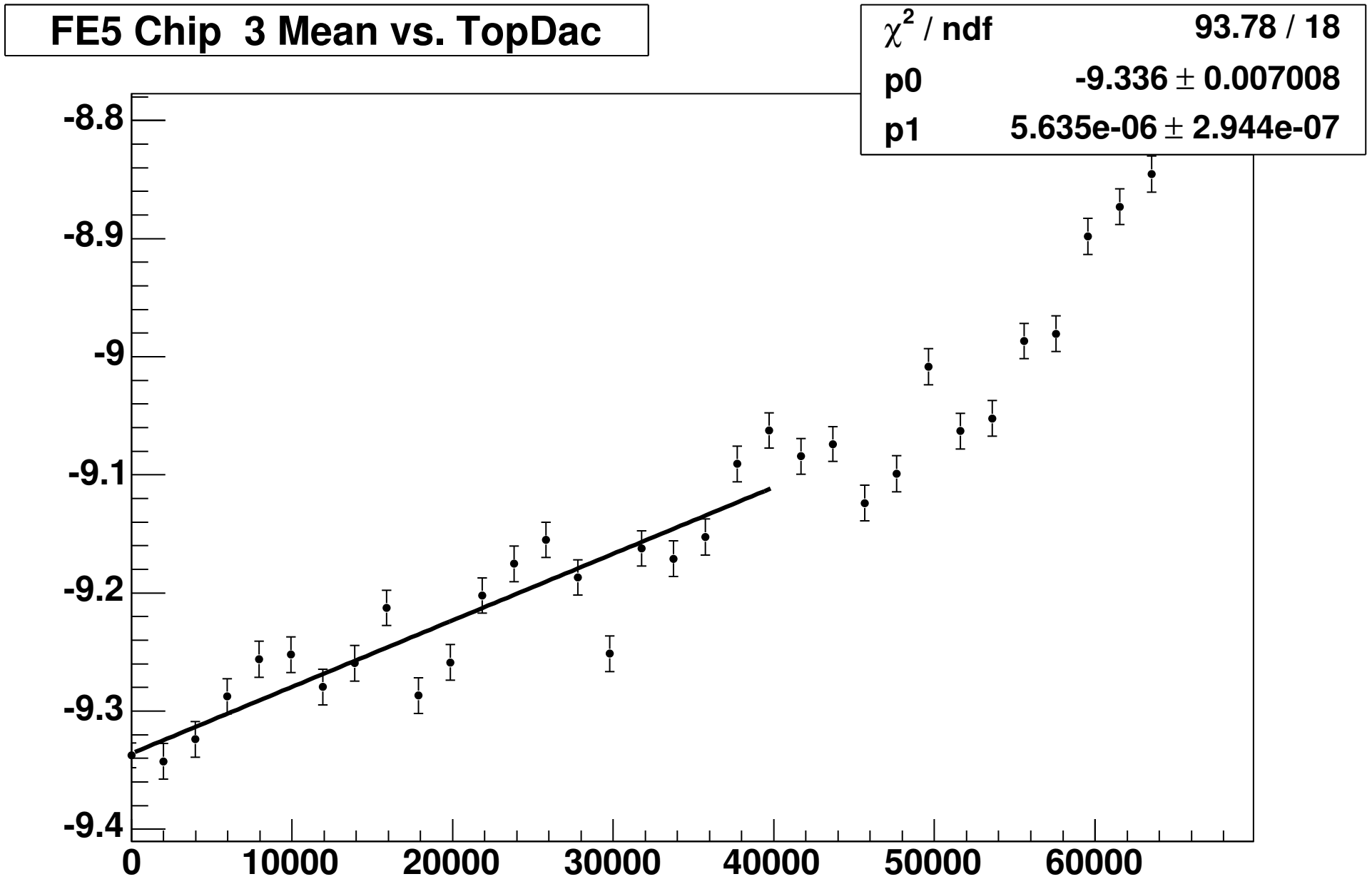
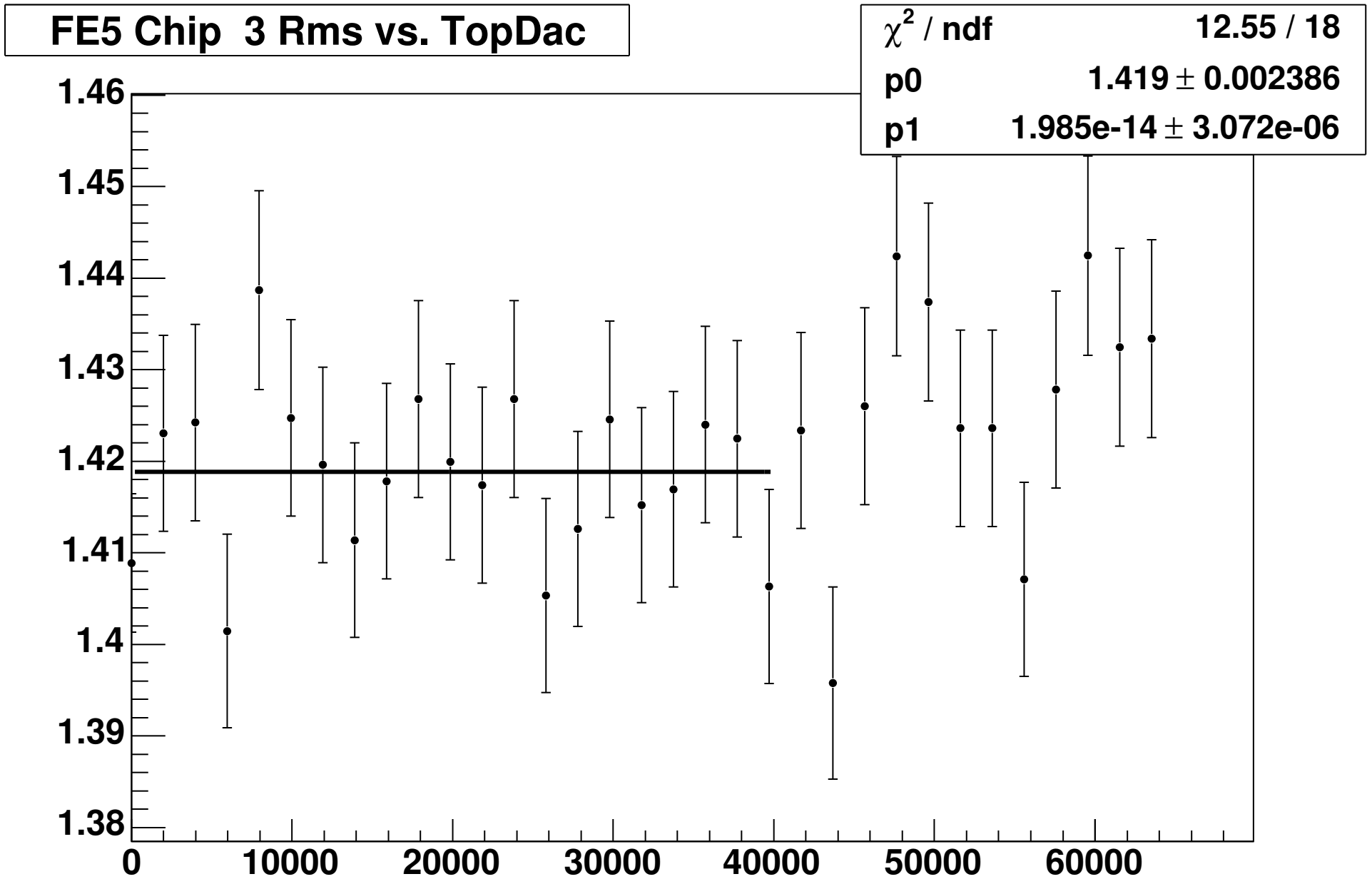
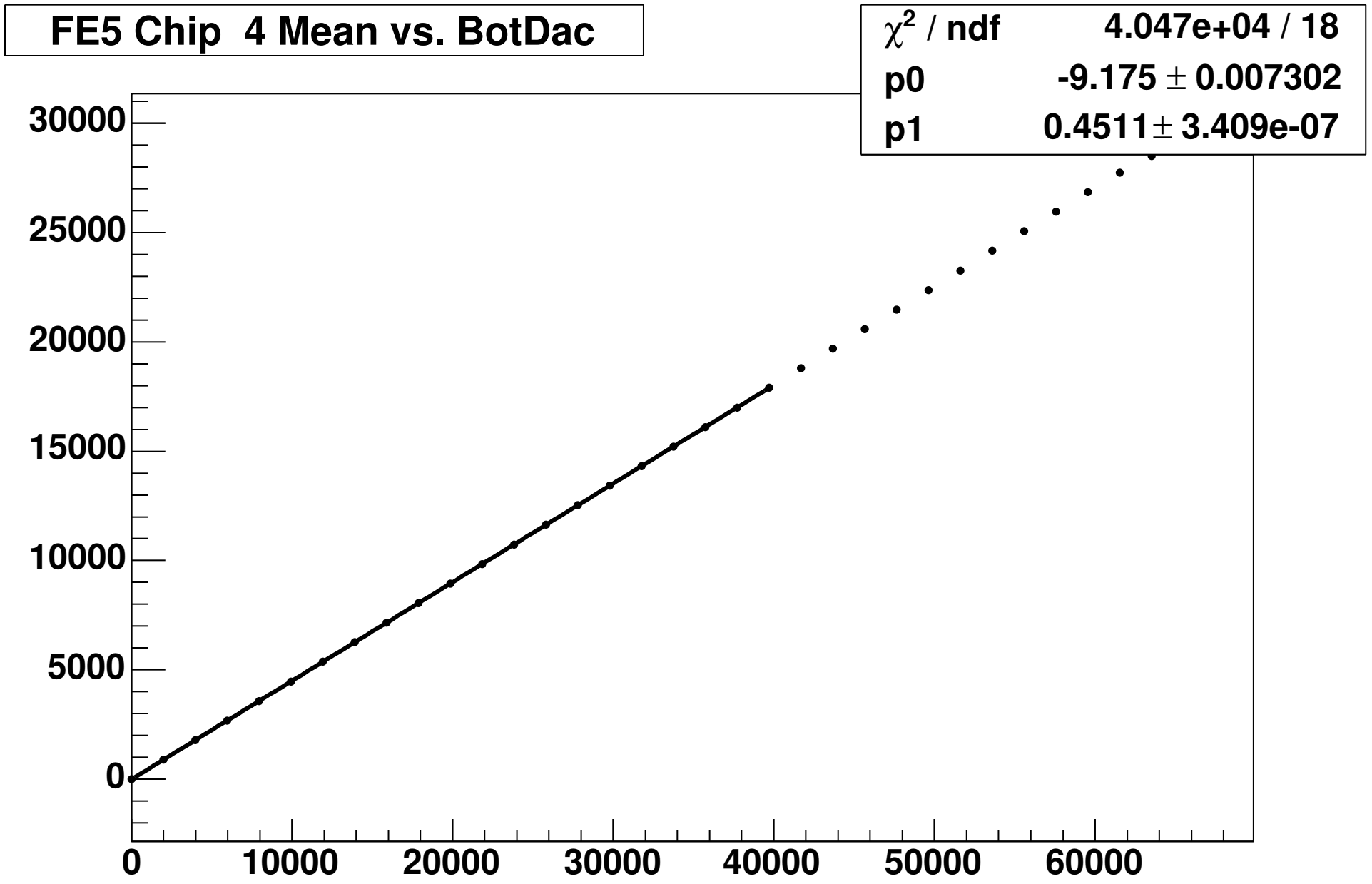
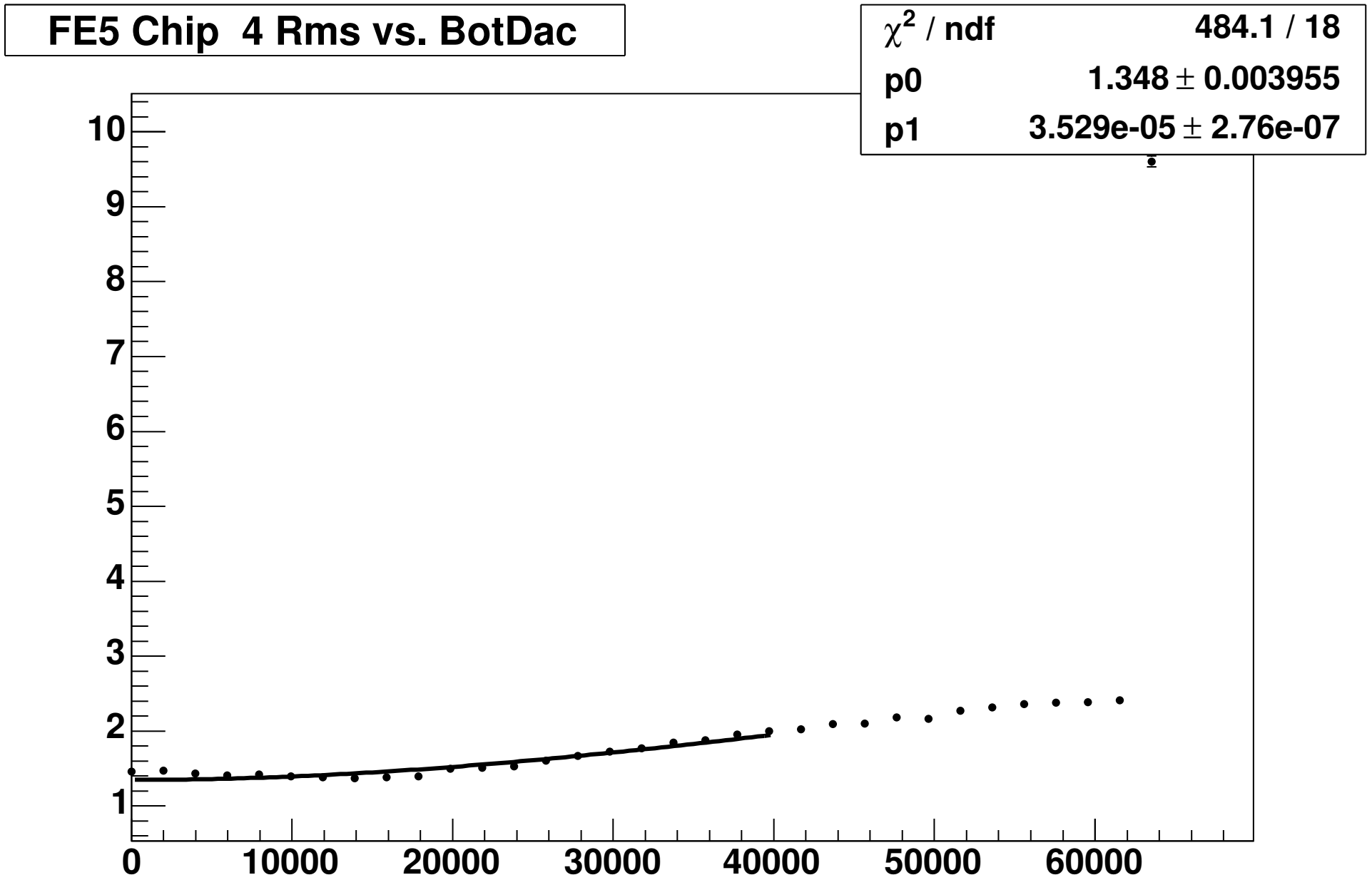
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

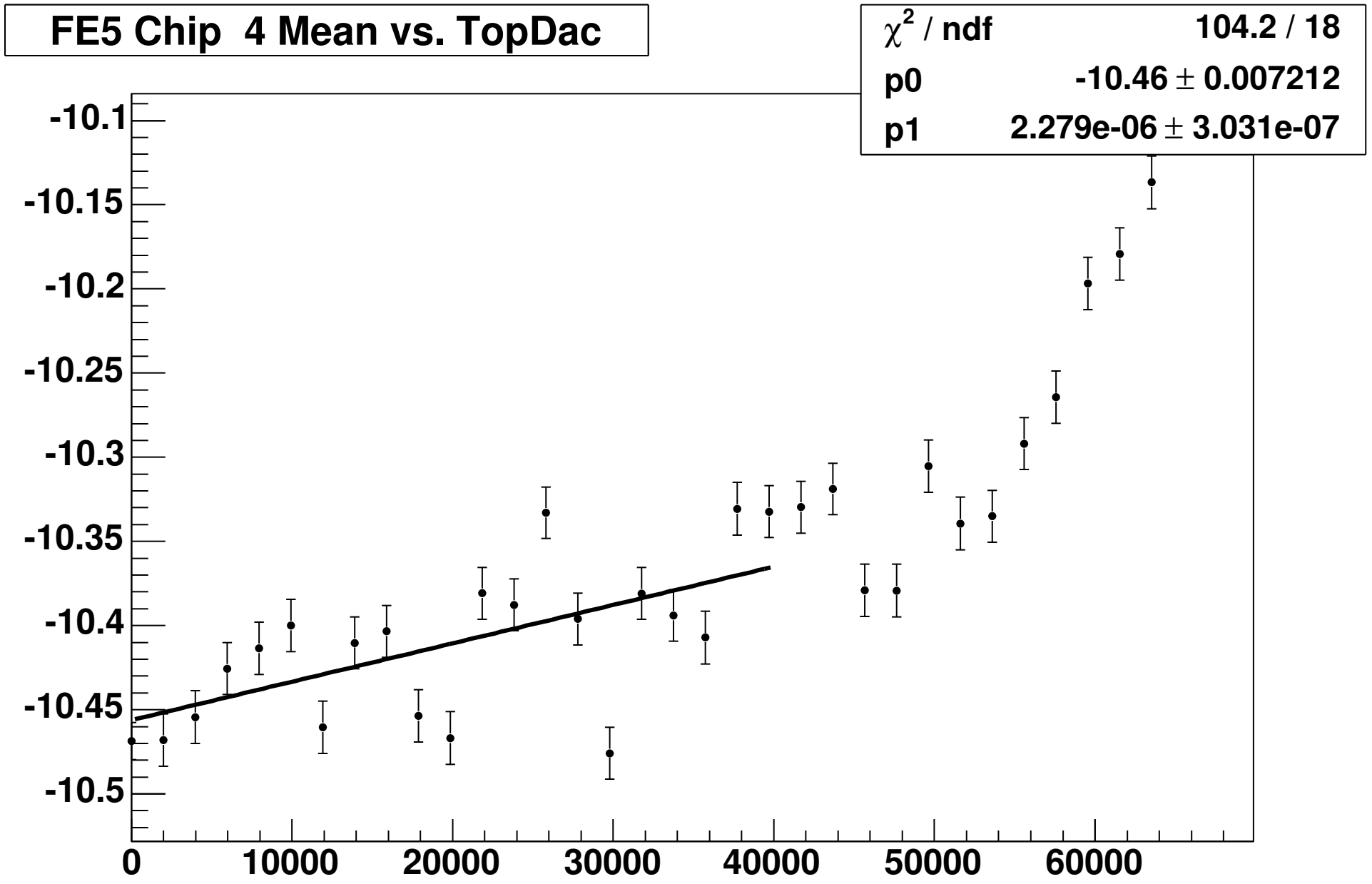

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 243.2 / 18
p0 1.327 ± 0.003896
p1 3.563e-05 ± 2.68e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

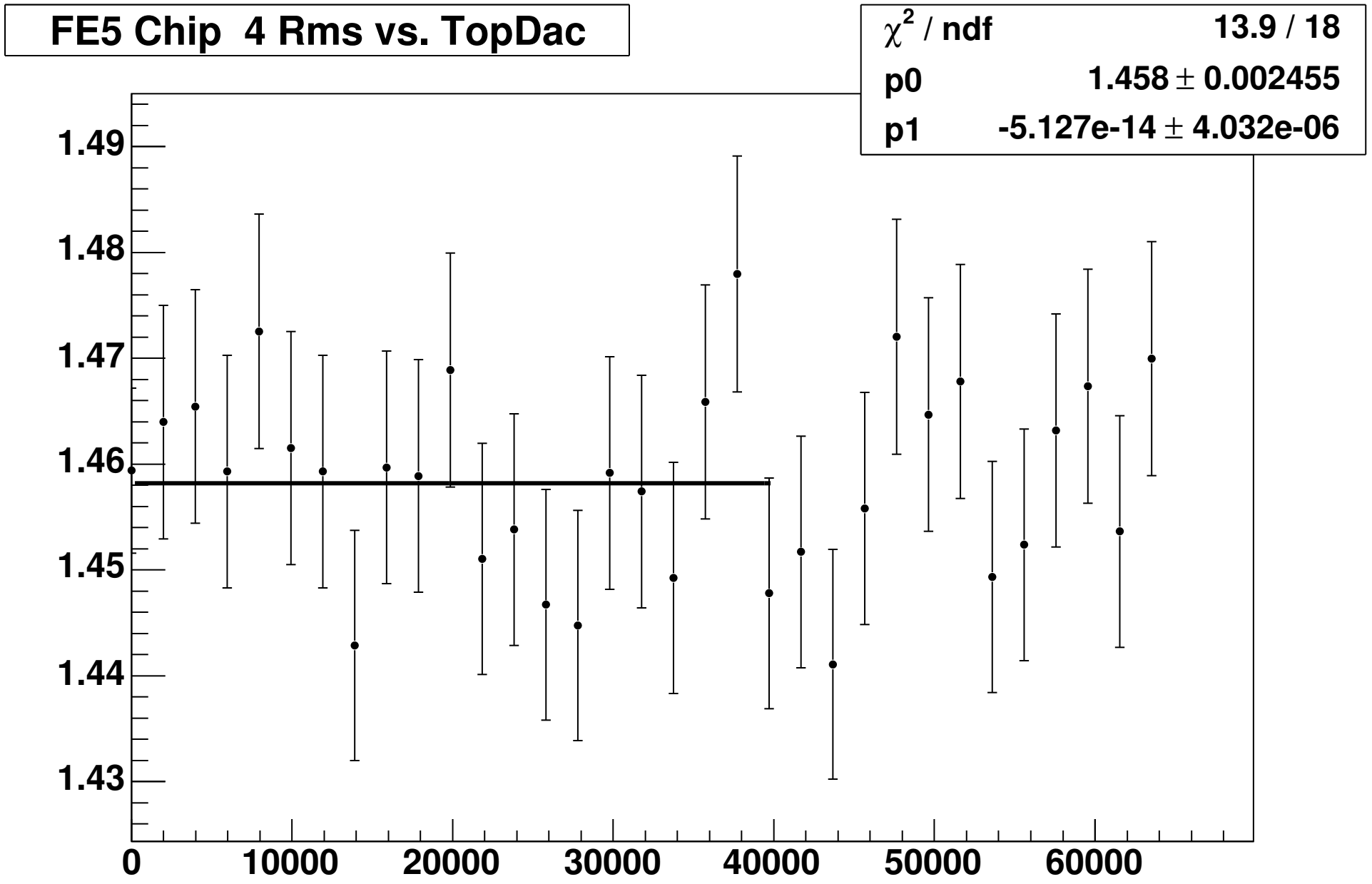

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 93.78 / 18
p0 -9.336 ± 0.007008
p1 5.635e-06 ± 2.944e-07
-8.8
-8.9
-9
-9.1
-9.2
-9.3
-9.4
0
10000
20000
30000
40000
50000
60000

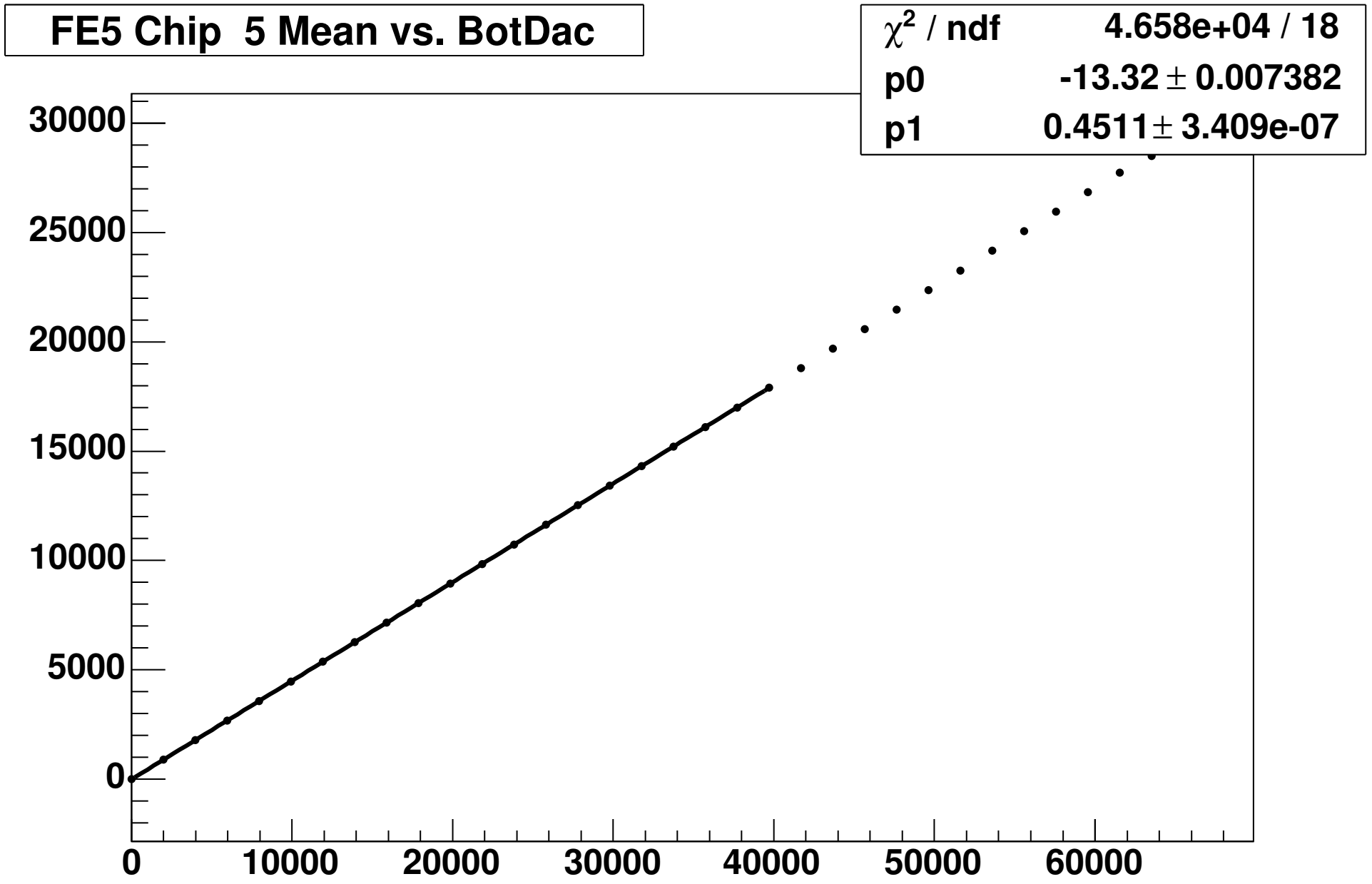

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 12.55 / 18
p0 1.419 ± 0.002386
p1 1.985e-14 ± 3.072e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

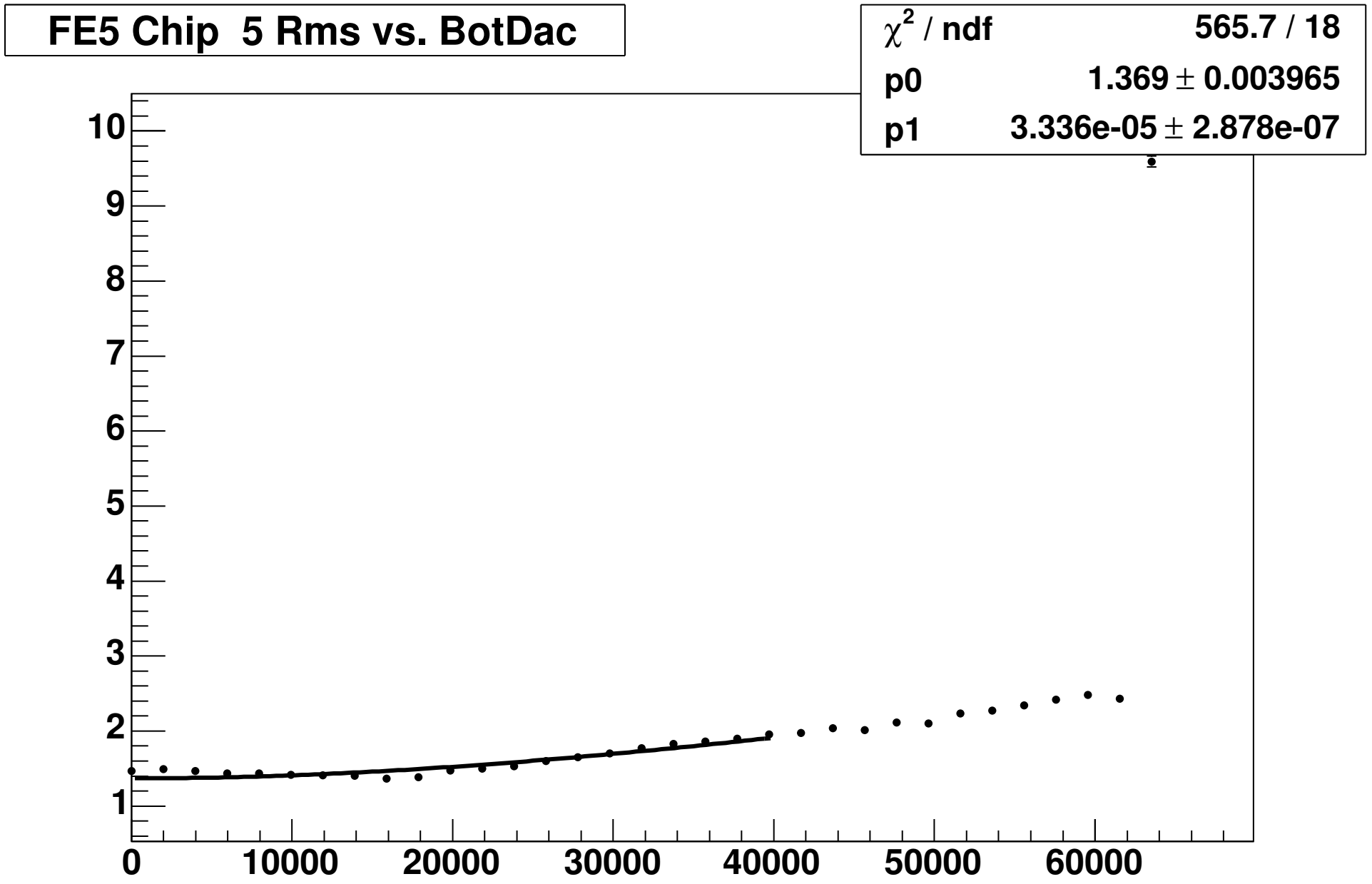

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 4.047e+04 / 18
p0 -9.175 ± 0.007302
p1 0.4511 ± 3.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

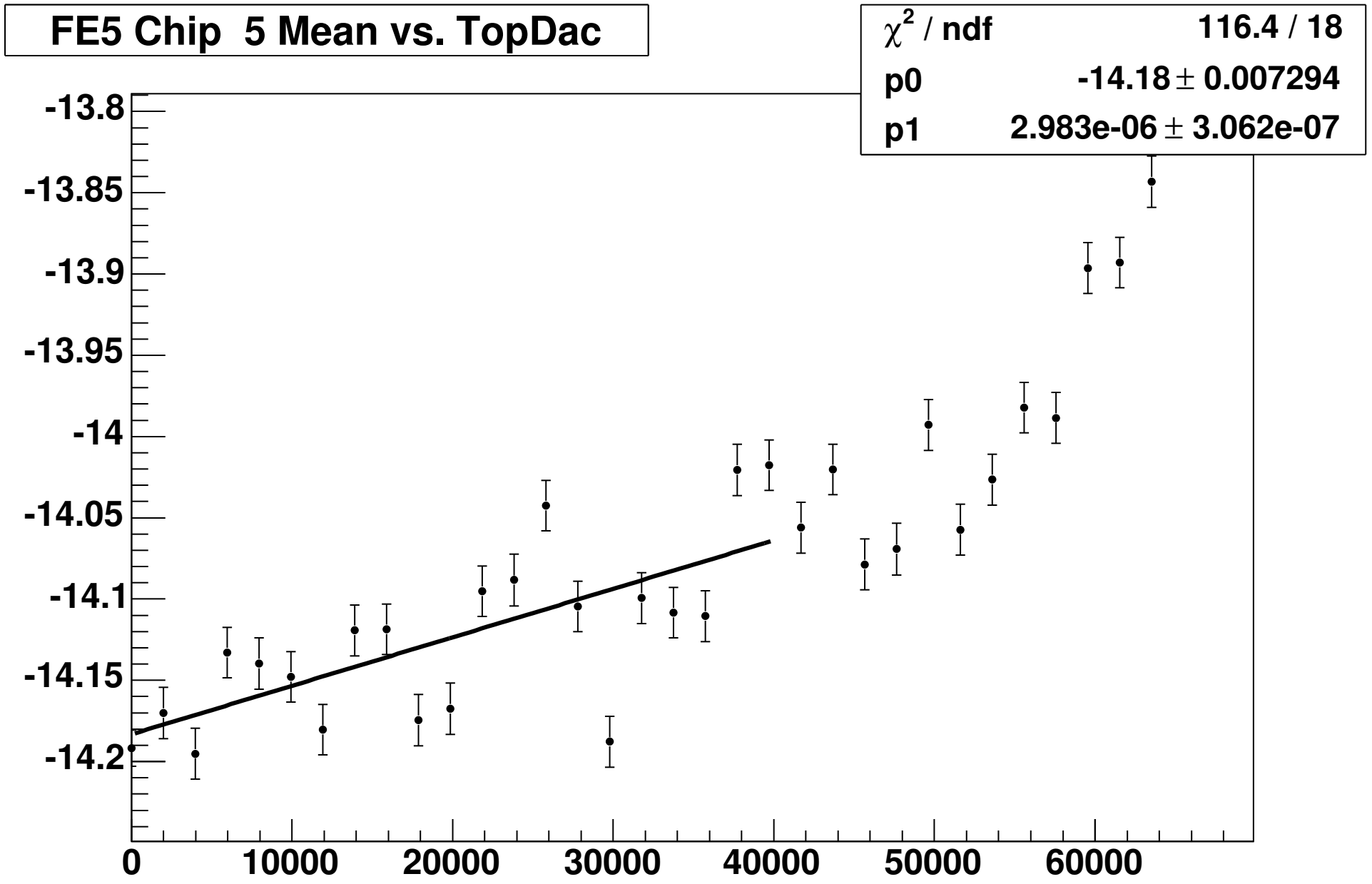

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 484.1 / 18
p0 1.348 ± 0.003955
p1 3.529e-05 ± 2.76e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

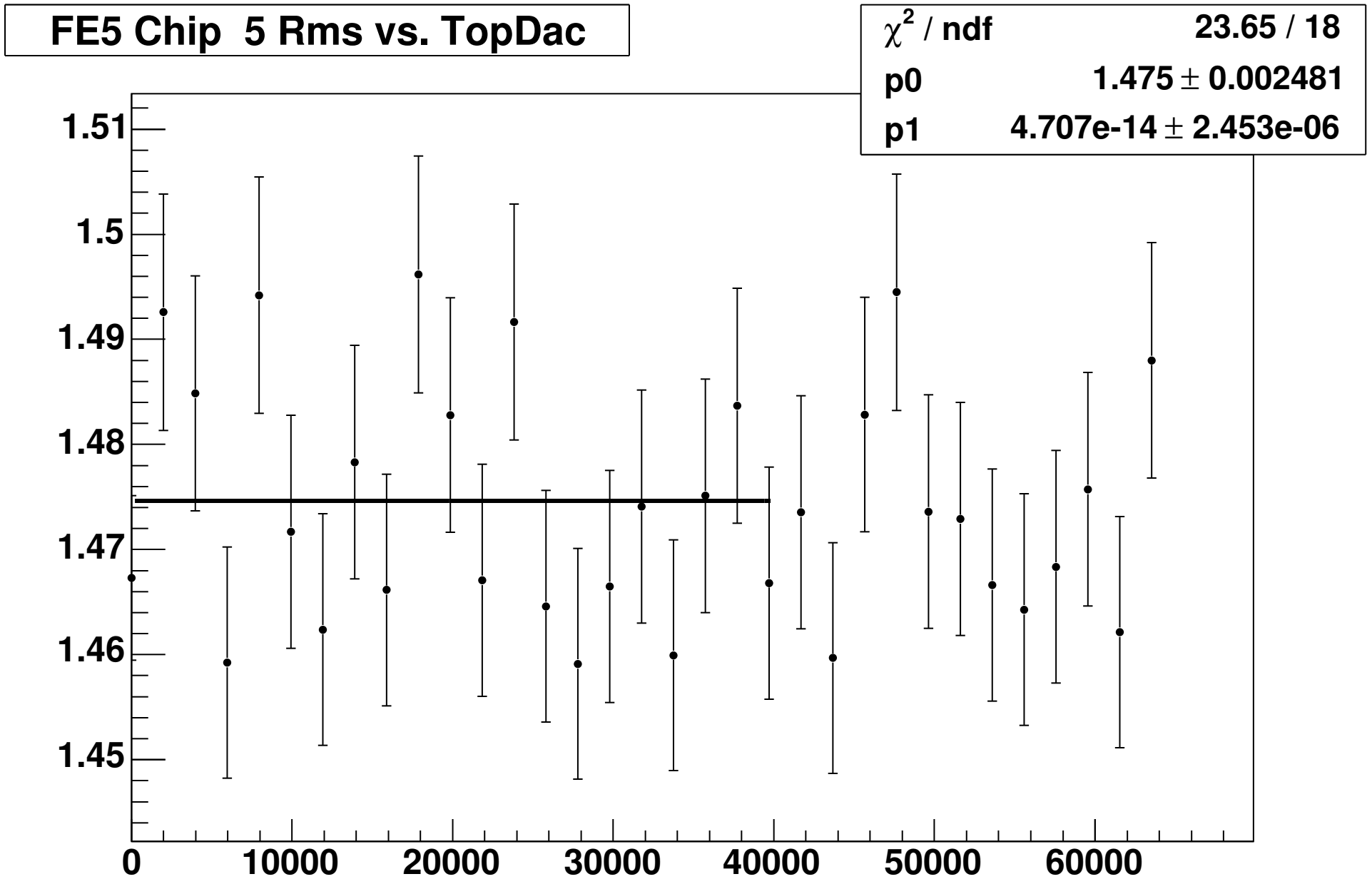

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 104.2 / 18
p0 -10.46 ± 0.007212
p1 2.279e-06 ± 3.031e-07
-10.1
-10.15
-10.2
-10.25
-10.3
-10.35
-10.4
-10.45
-10.5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 13.9 / 18
p0 1.458 ± 0.002455
p1 -5.127e-14 ± 4.032e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 4.658e+04 / 18
p0 -13.32 ± 0.007382
p1 0.4511 ± 3.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 565.7 / 18
p0 1.369 ± 0.003965
p1 3.336e-05 ± 2.878e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 116.4 / 18
p0 -14.18 ± 0.007294
p1 2.983e-06 ± 3.062e-07
-13.8
-13.85
-13.9
-13.95
-14
-14.05
-14.1
-14.15
-14.2
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 23.65 / 18
p0 1.475 ± 0.002481
p1 4.707e-14 ± 2.453e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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40000
50000
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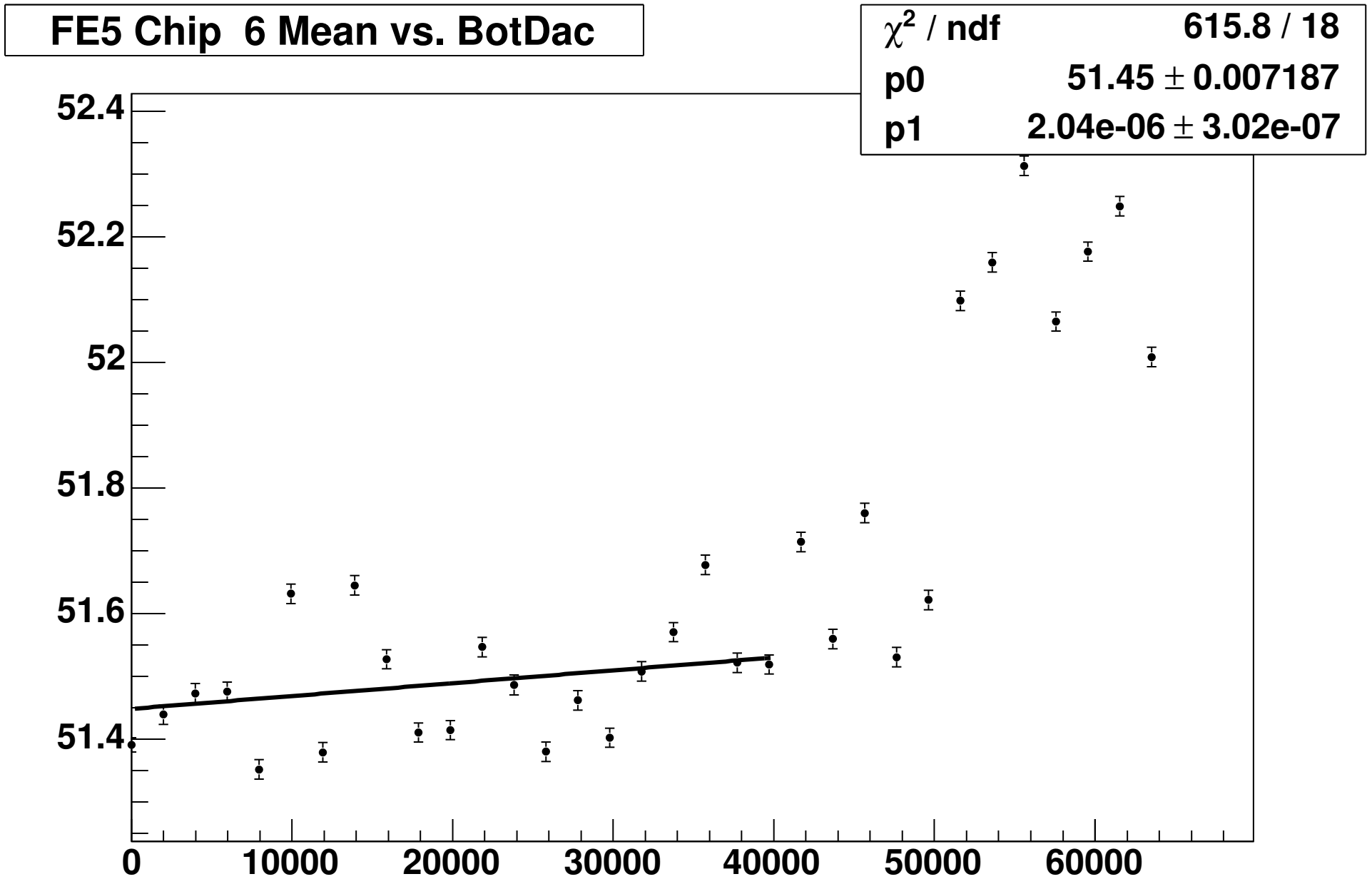
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 615.8 / 18
p0 51.45 ± 0.007187
p1 2.04e-06 ± 3.02e-07
52.4
52.2
52
51.8
51.6
51.4
0
10000
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30000
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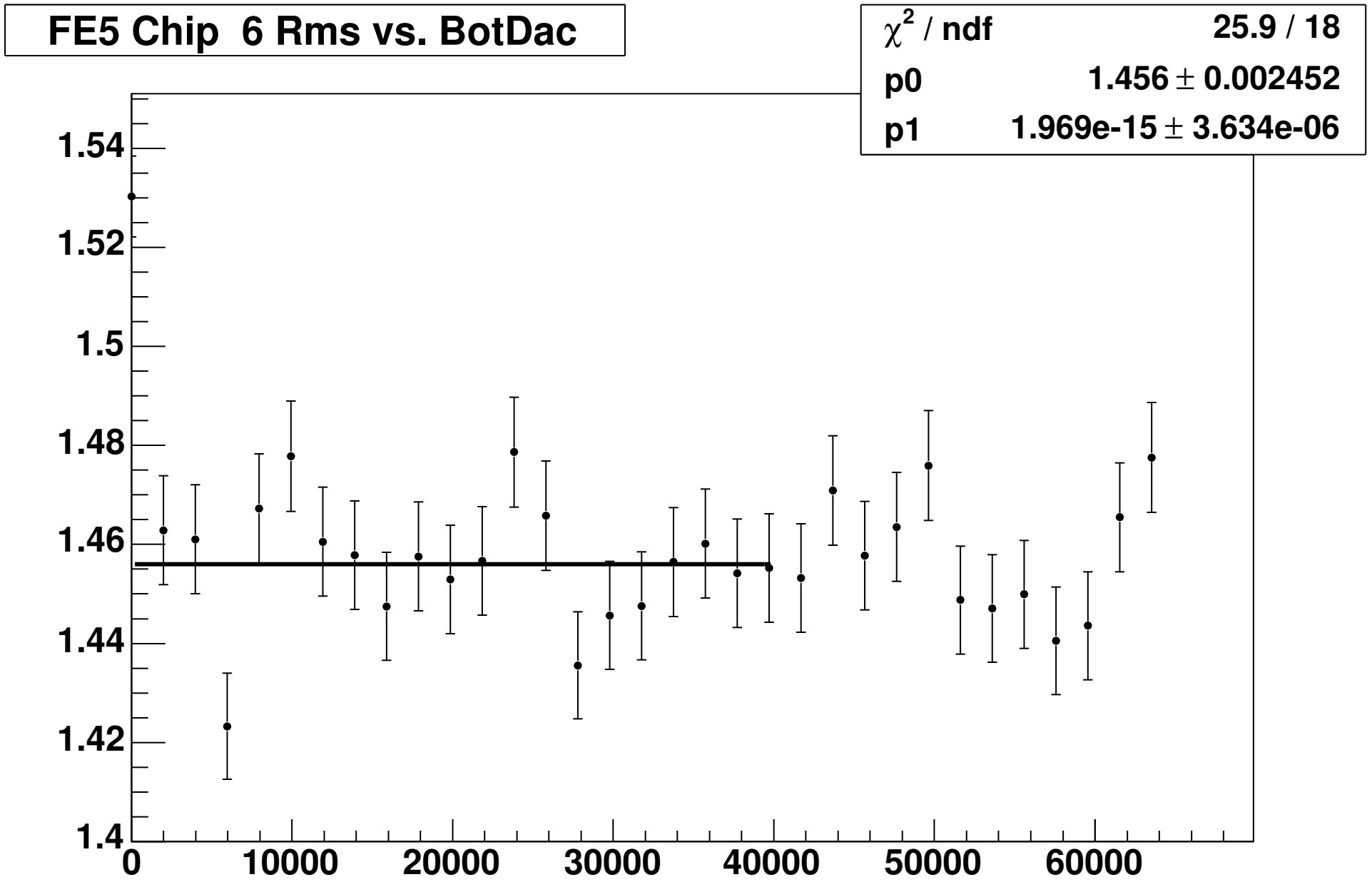
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 25.9 / 18
p0 1.456 ± 0.002452
p1 1.969e-15 ± 3.634e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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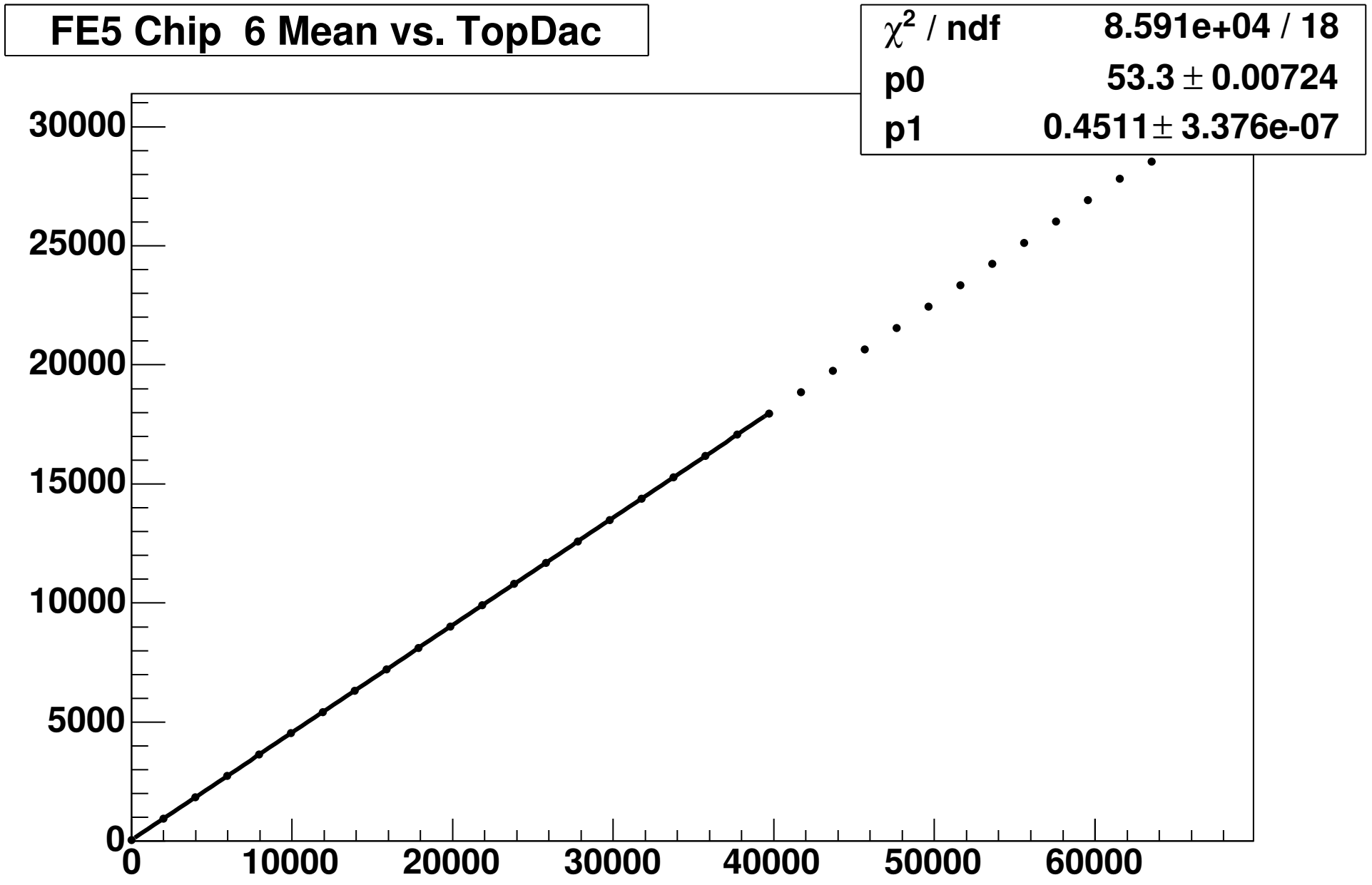
60000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 8.591e+04 / 18
p0 53.3 ± 0.00724
p1 0.4511 ± 3.376e-07
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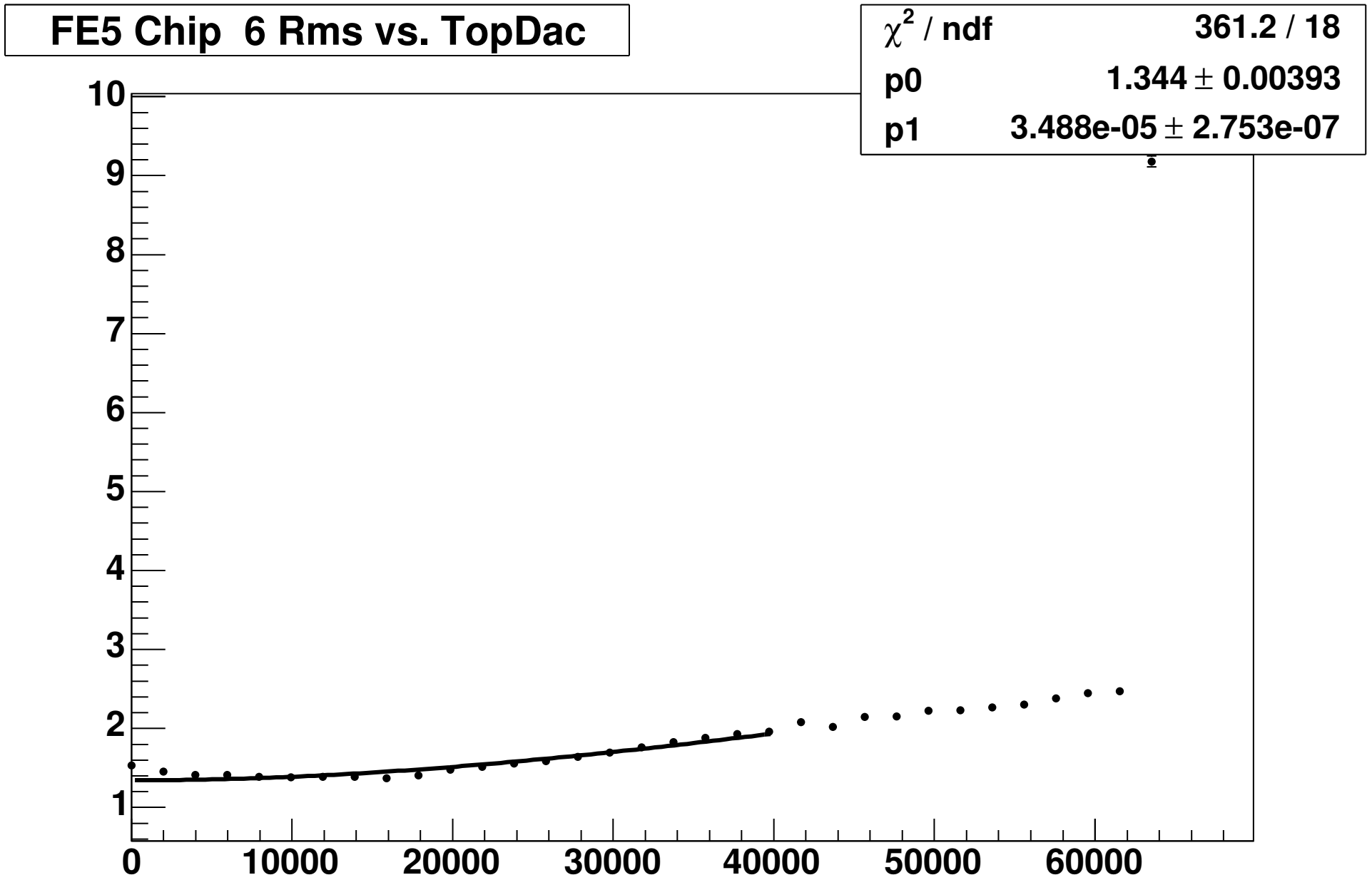
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 361.2 / 18
p0 1.344 ± 0.00393
p1 3.488e-05 ± 2.753e-07
10
9
8
7
6
5
4
3
2
1
0
10000
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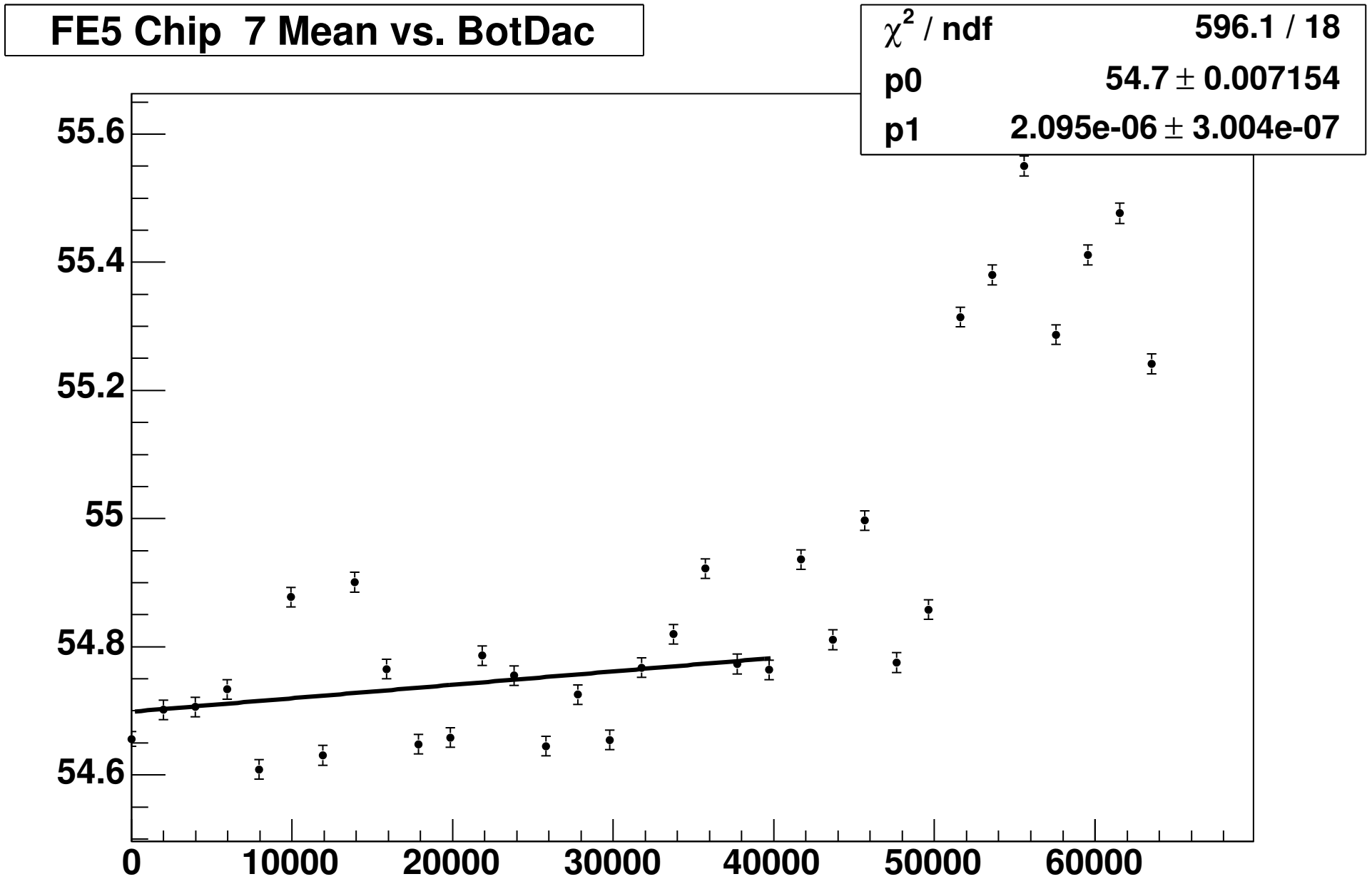
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 596.1 / 18
p0 54.7 ± 0.007154
p1 2.095e-06 ± 3.004e-07
55.6
55.4
55.2
55
54.8
54.6
0
10000
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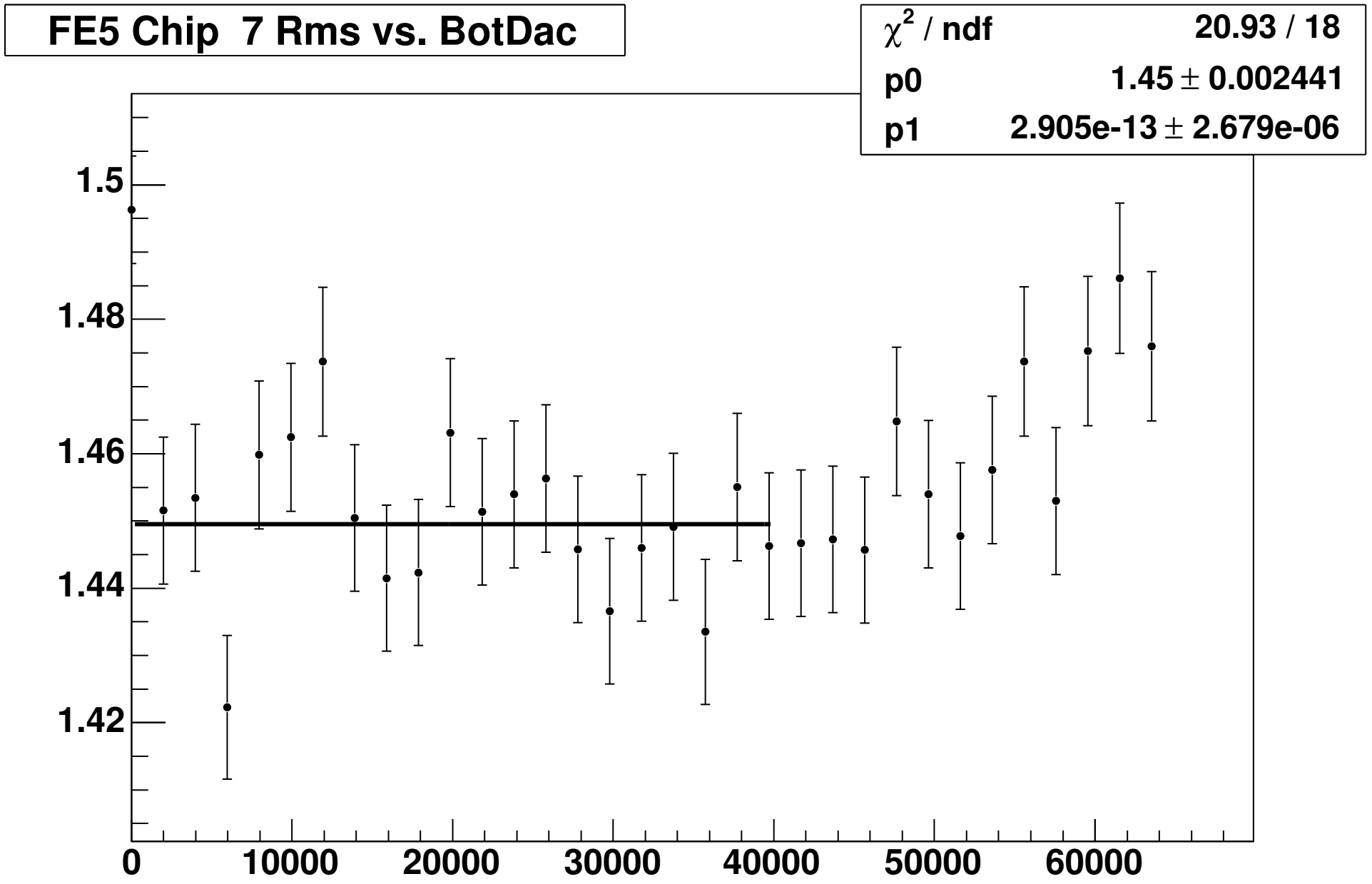
40000
50000
60000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 20.93 / 18
p0 1.45 ± 0.002441
p1 2.905e-13 ± 2.679e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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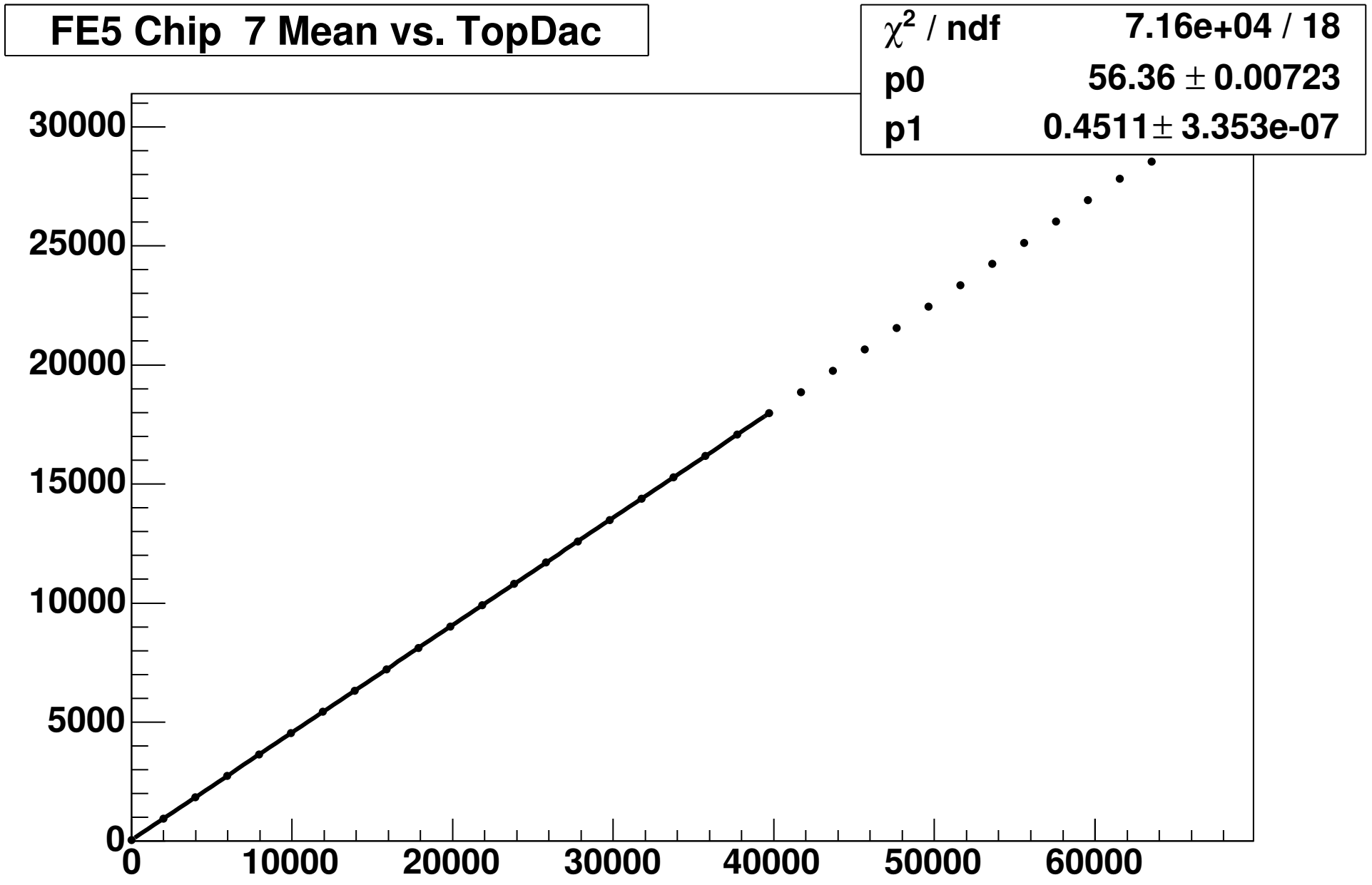
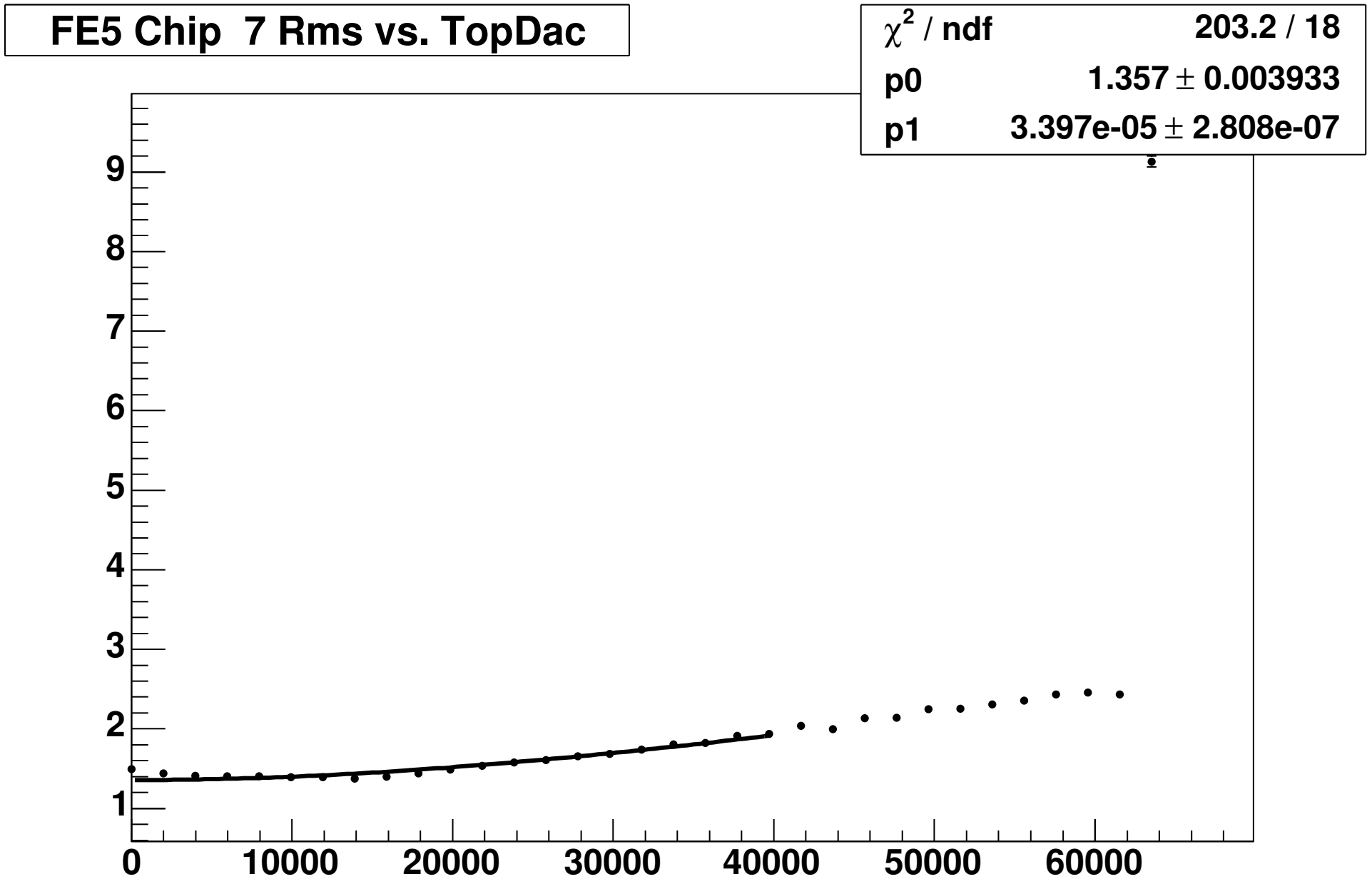
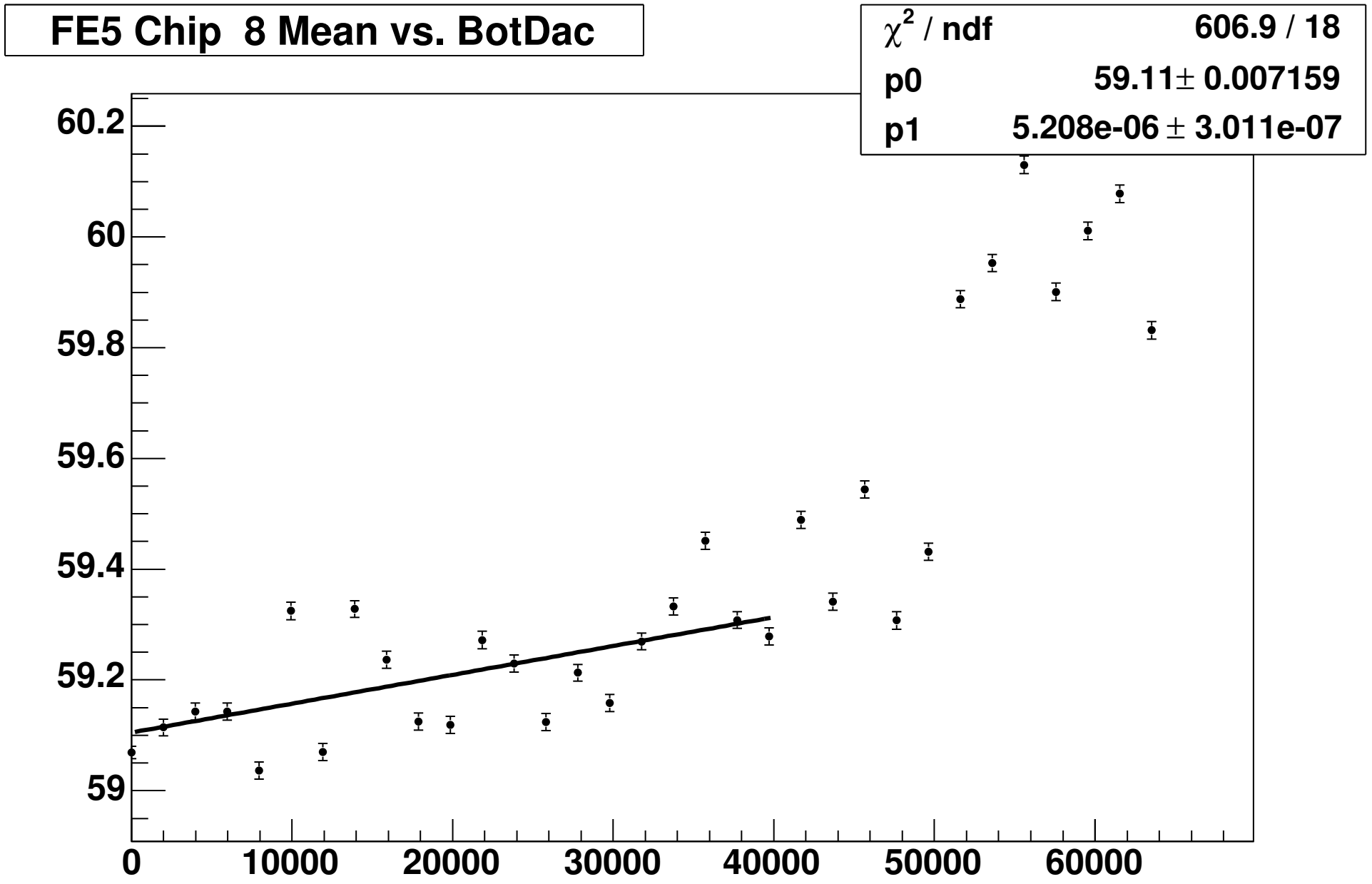
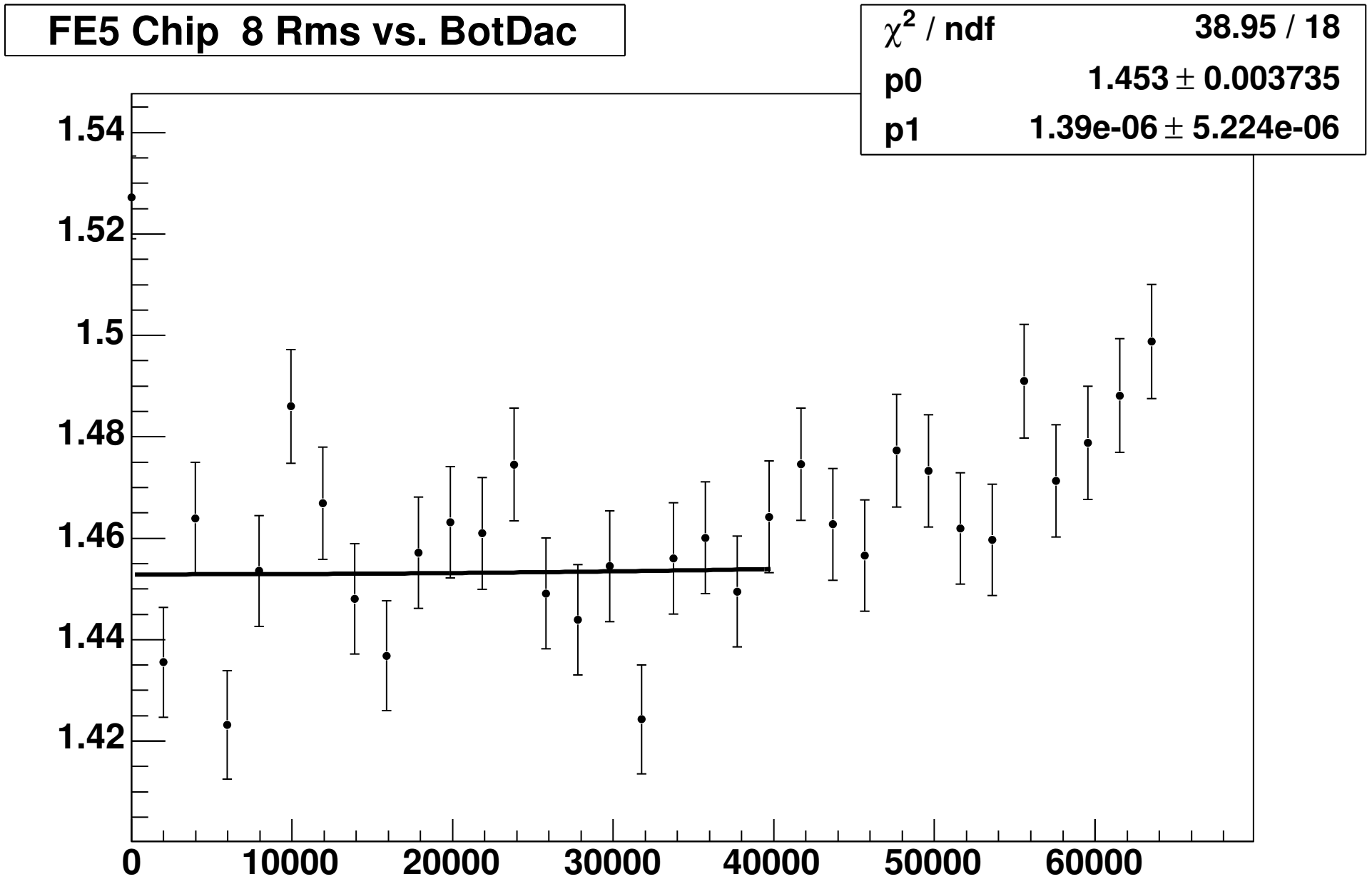
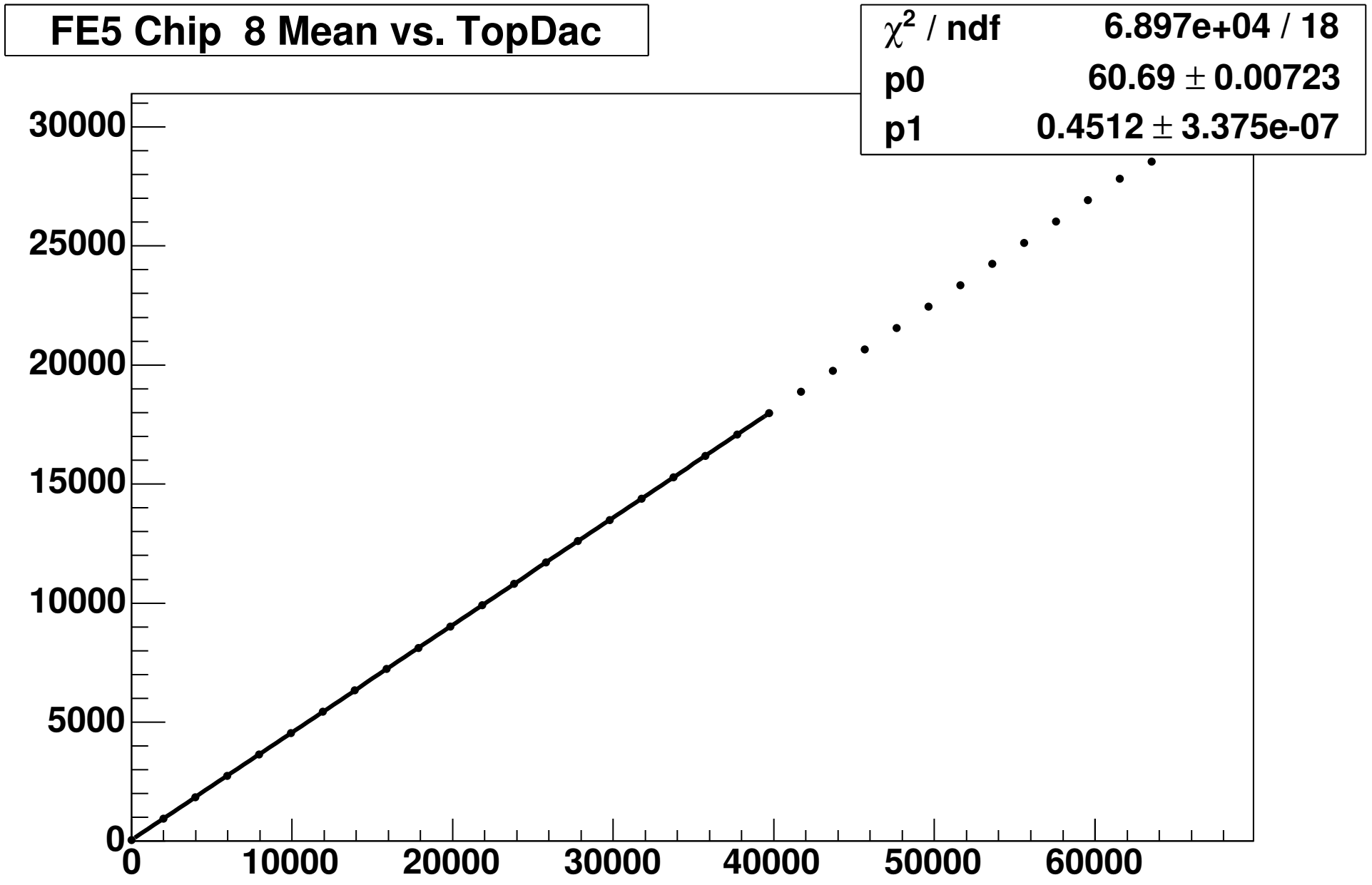
60000

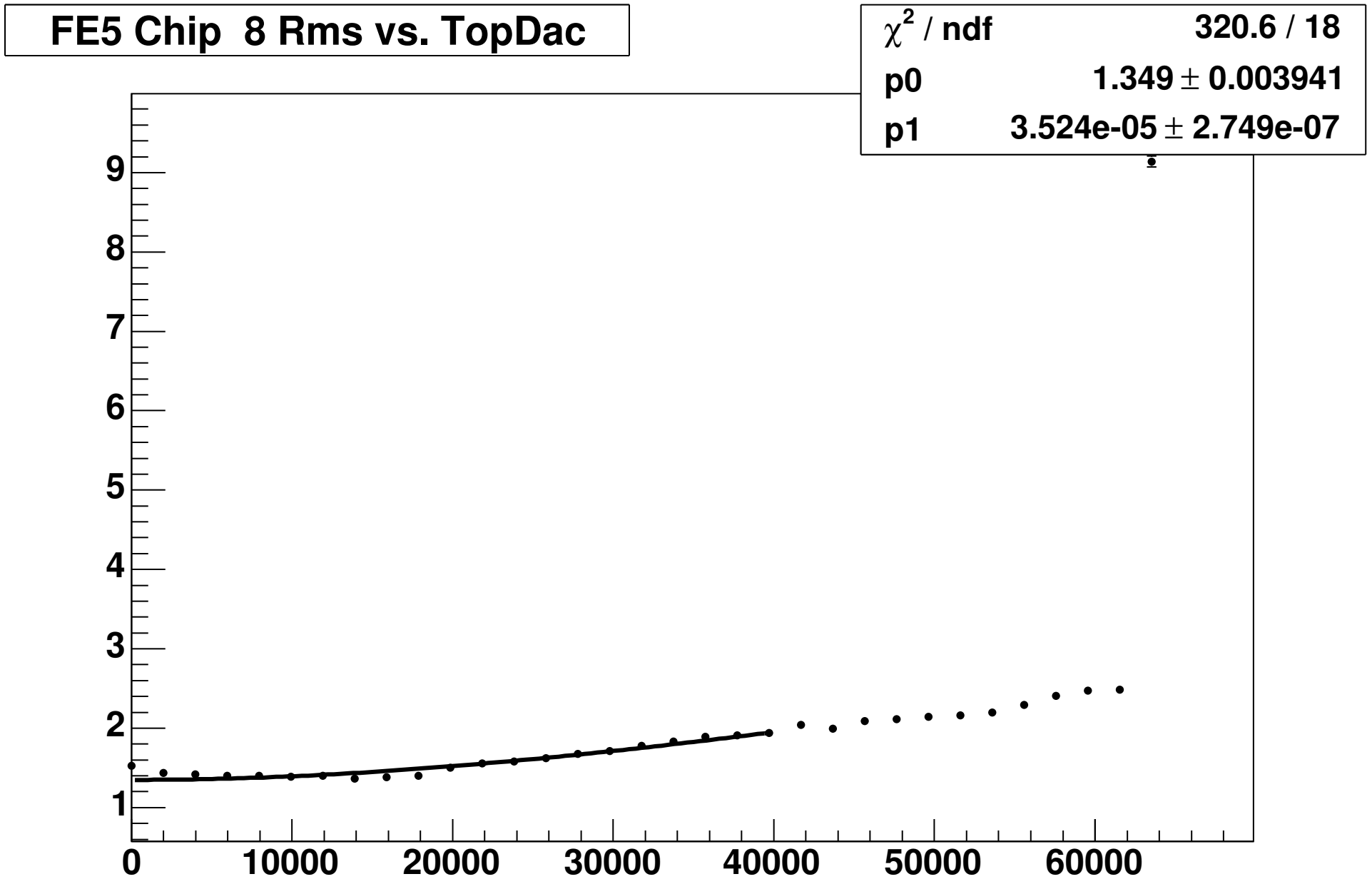

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 7.16e+04 / 18
p0 56.36 ± 0.00723
p1 0.4511 ± 3.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

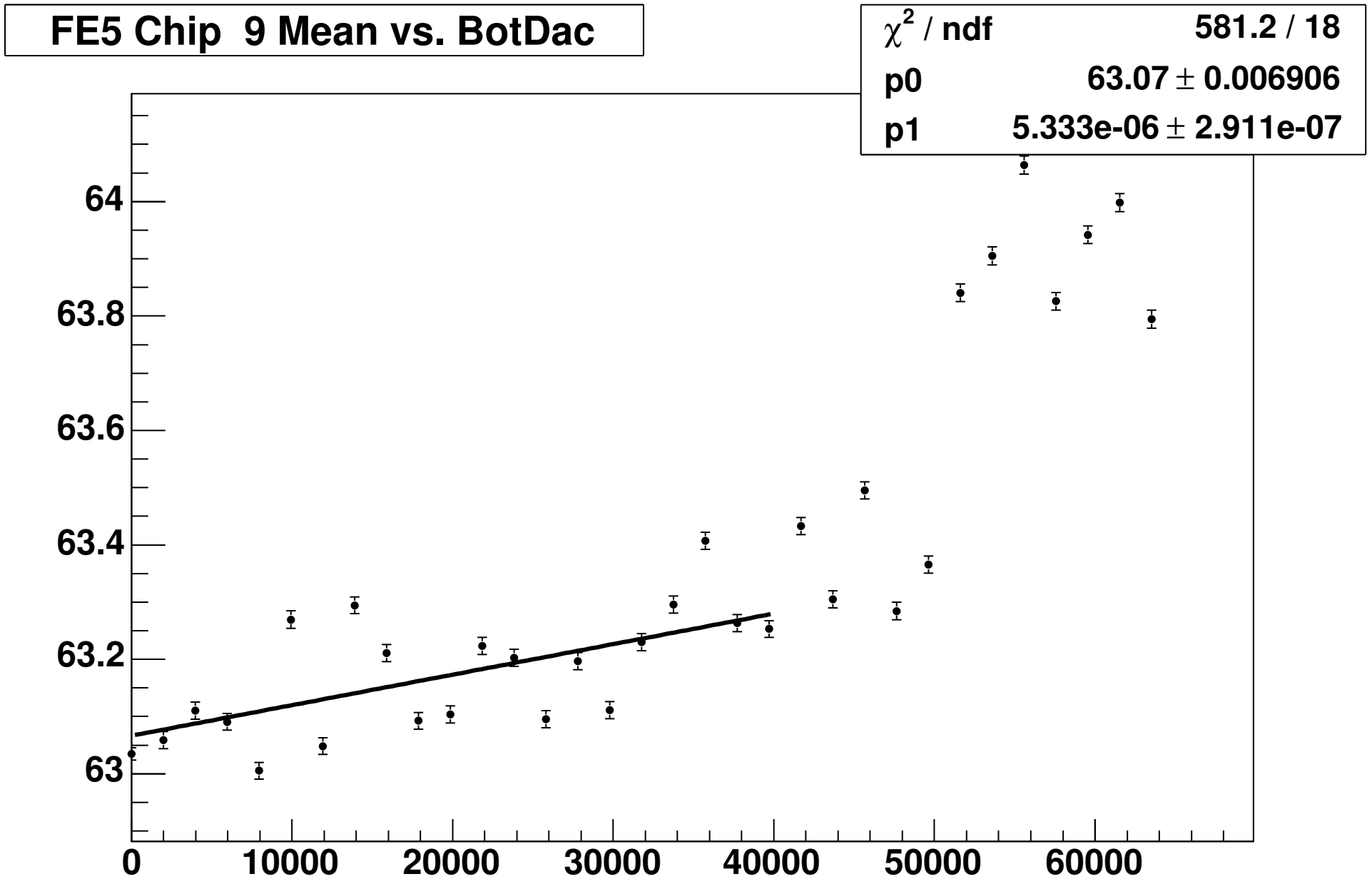

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 203.2 / 18
p0 1.357 ± 0.003933
p1 3.397e-05 ± 2.808e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

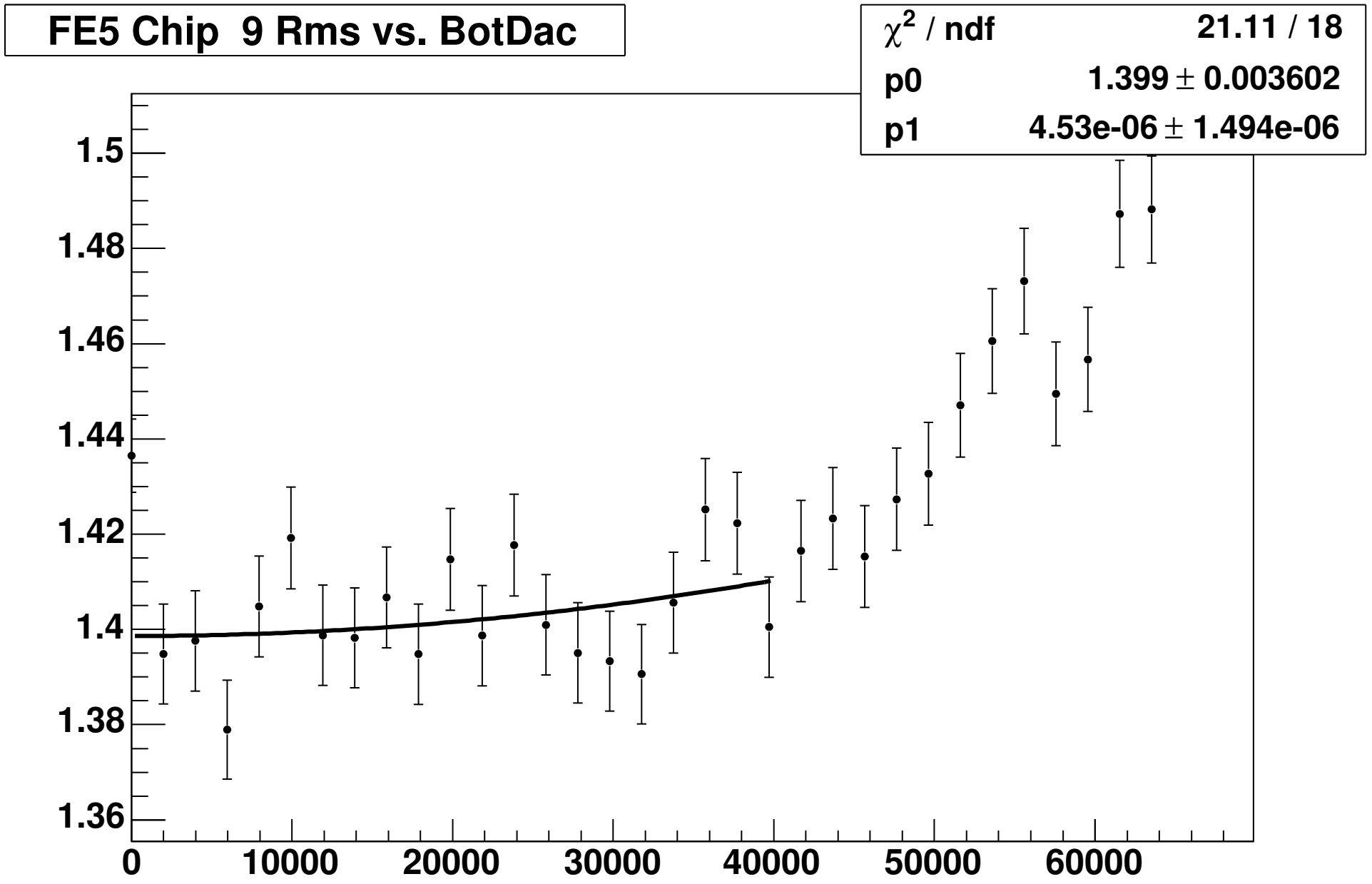

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 606.9 / 18
p0 59.11 ± 0.007159
p1 5.208e-06 ± 3.011e-07
60.2
60
59.8
59.6
59.4
59.2
59
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 38.95 / 18
p0 1.453 ± 0.003735
p1 1.39e-06 ± 5.224e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 6.897e+04 / 18
p0 60.69 ± 0.00723
p1 0.4512 ± 3.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 320.6 / 18
p0 1.349 ± 0.003941
p1 3.524e-05 ± 2.749e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 581.2 / 18
p0 63.07 ± 0.006906
p1 5.333e-06 ± 2.911e-07
64
63.8
63.6
63.4
63.2
63
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 21.11 / 18
p0 1.399 ± 0.003602
p1 4.53e-06 ± 1.494e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
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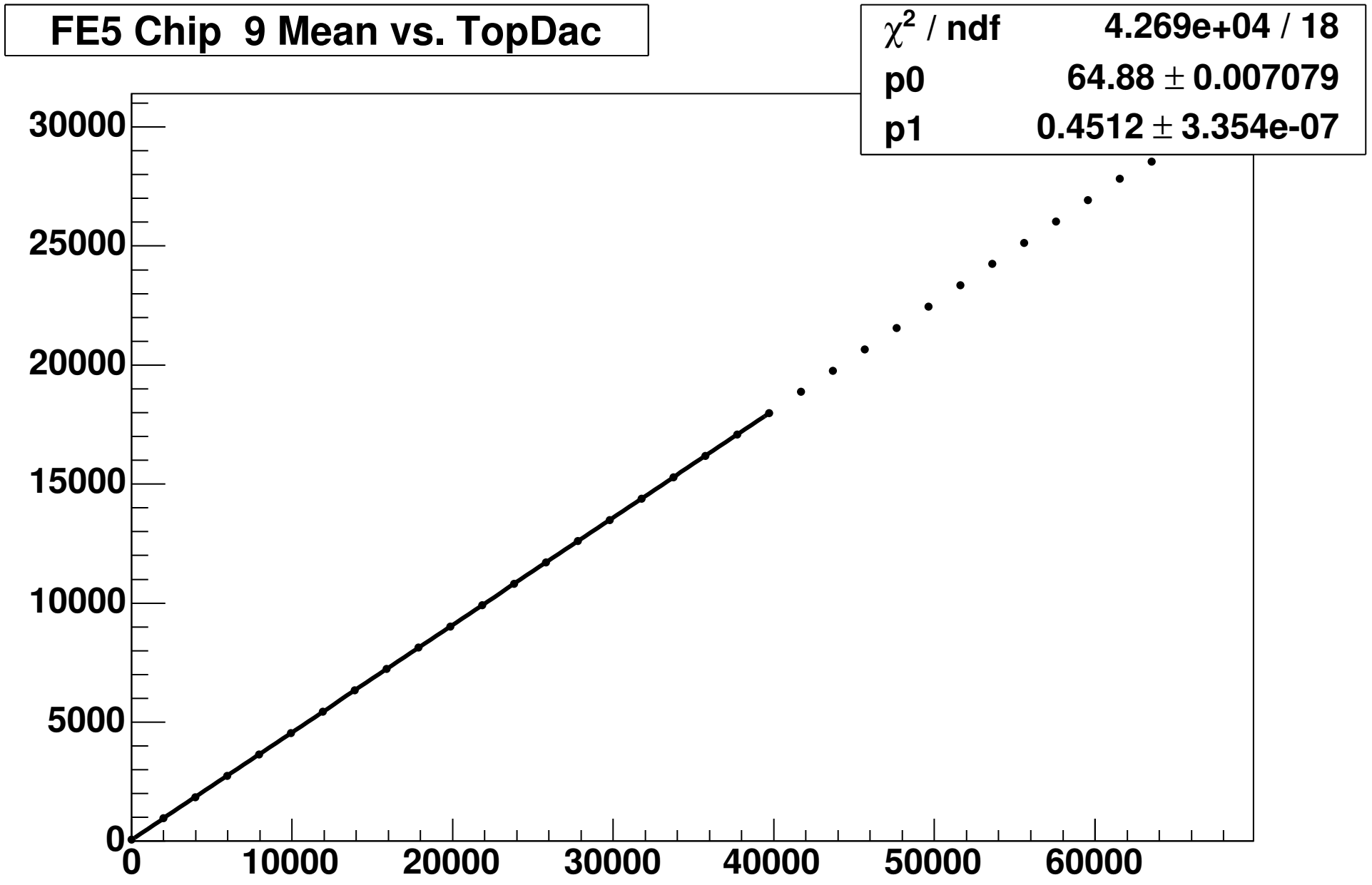
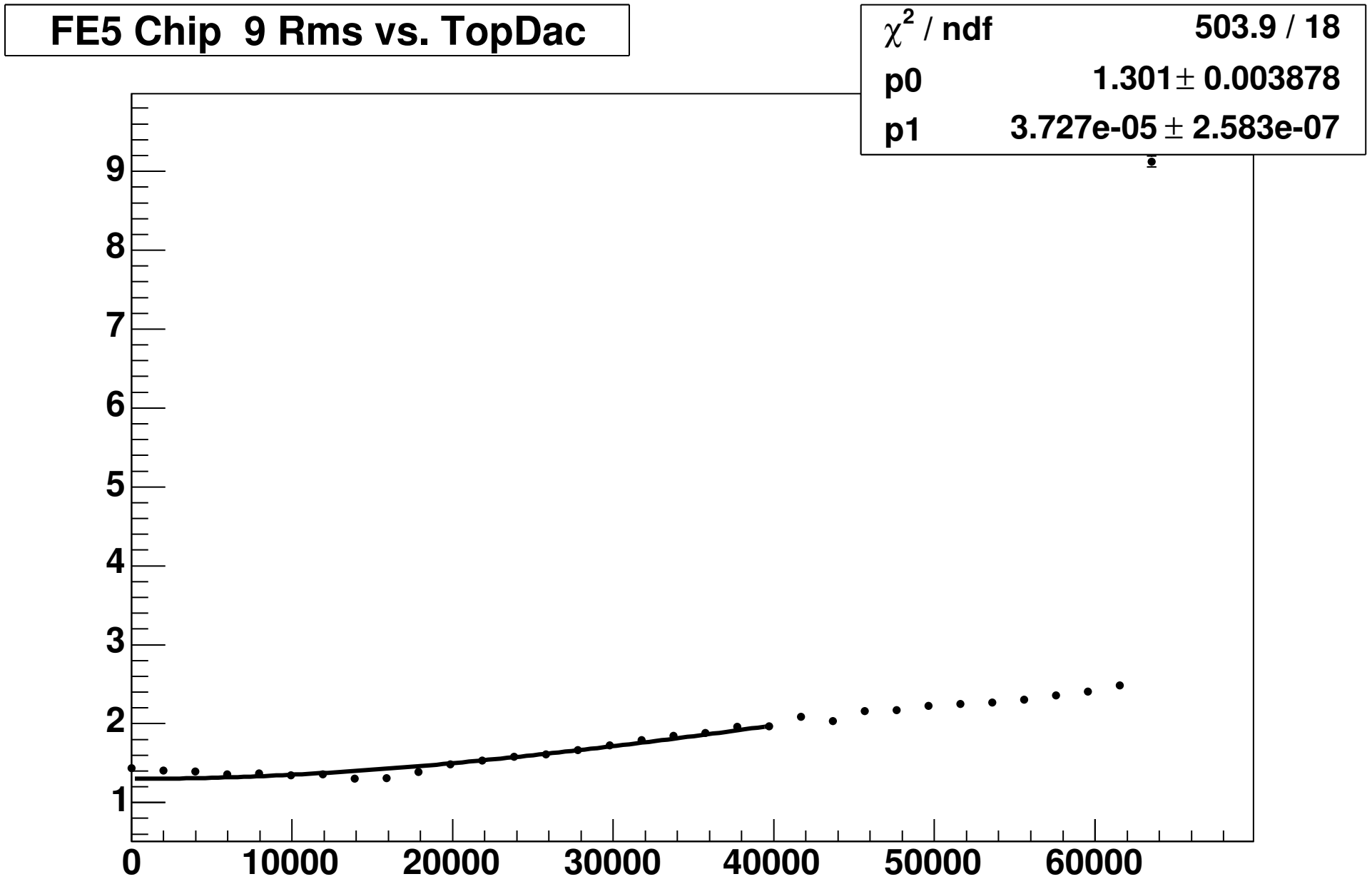
40000
50000
60000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 4.269e+04 / 18
p0 64.88 ± 0.007079
p1 0.4512 ± 3.354e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 503.9 / 18
p0 1.301 ± 0.003878
p1 3.727e-05 ± 2.583e-07
9
8
7
6
5
4
3
2
1
0
10000
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30000
40000
50000
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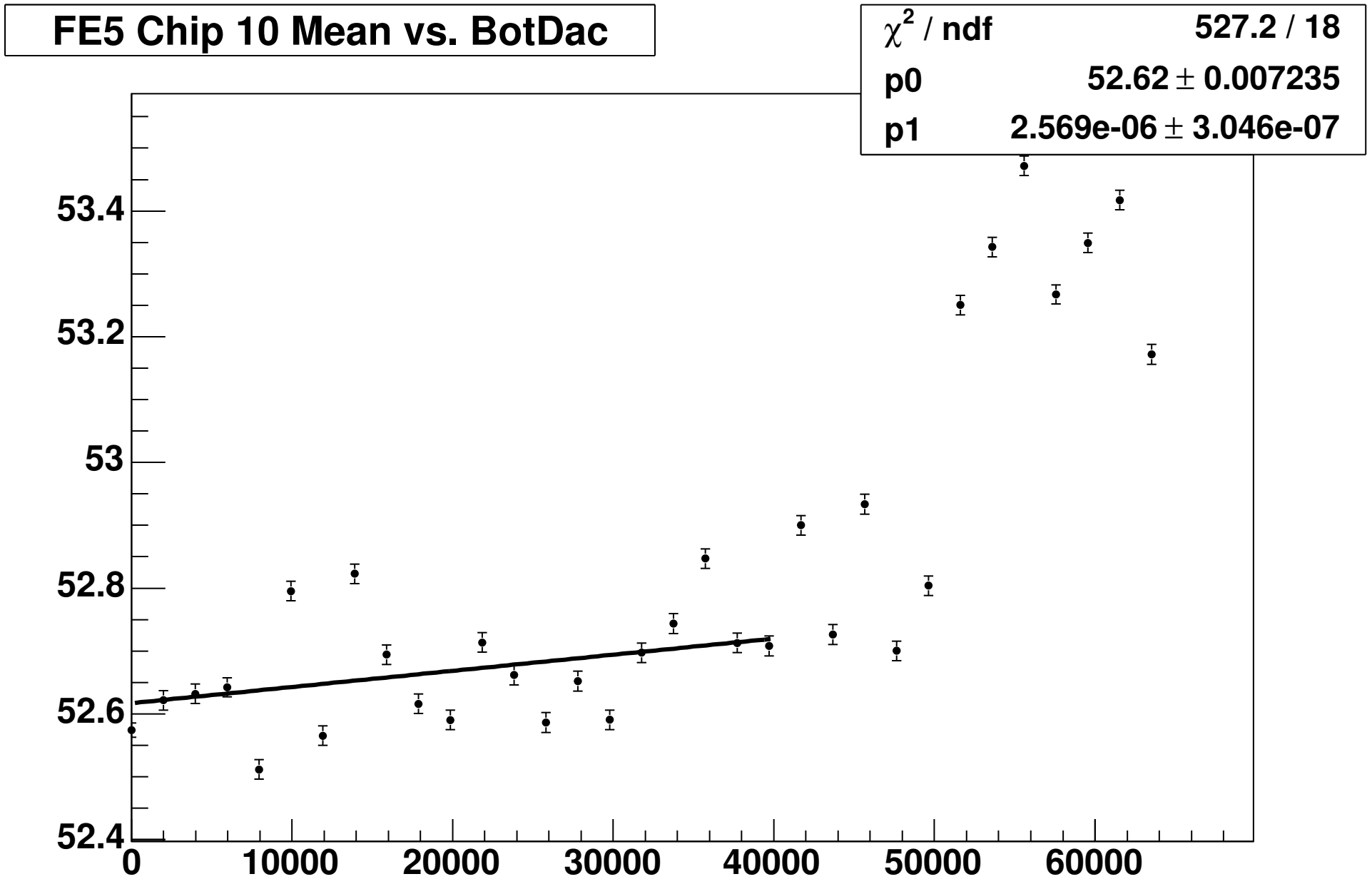
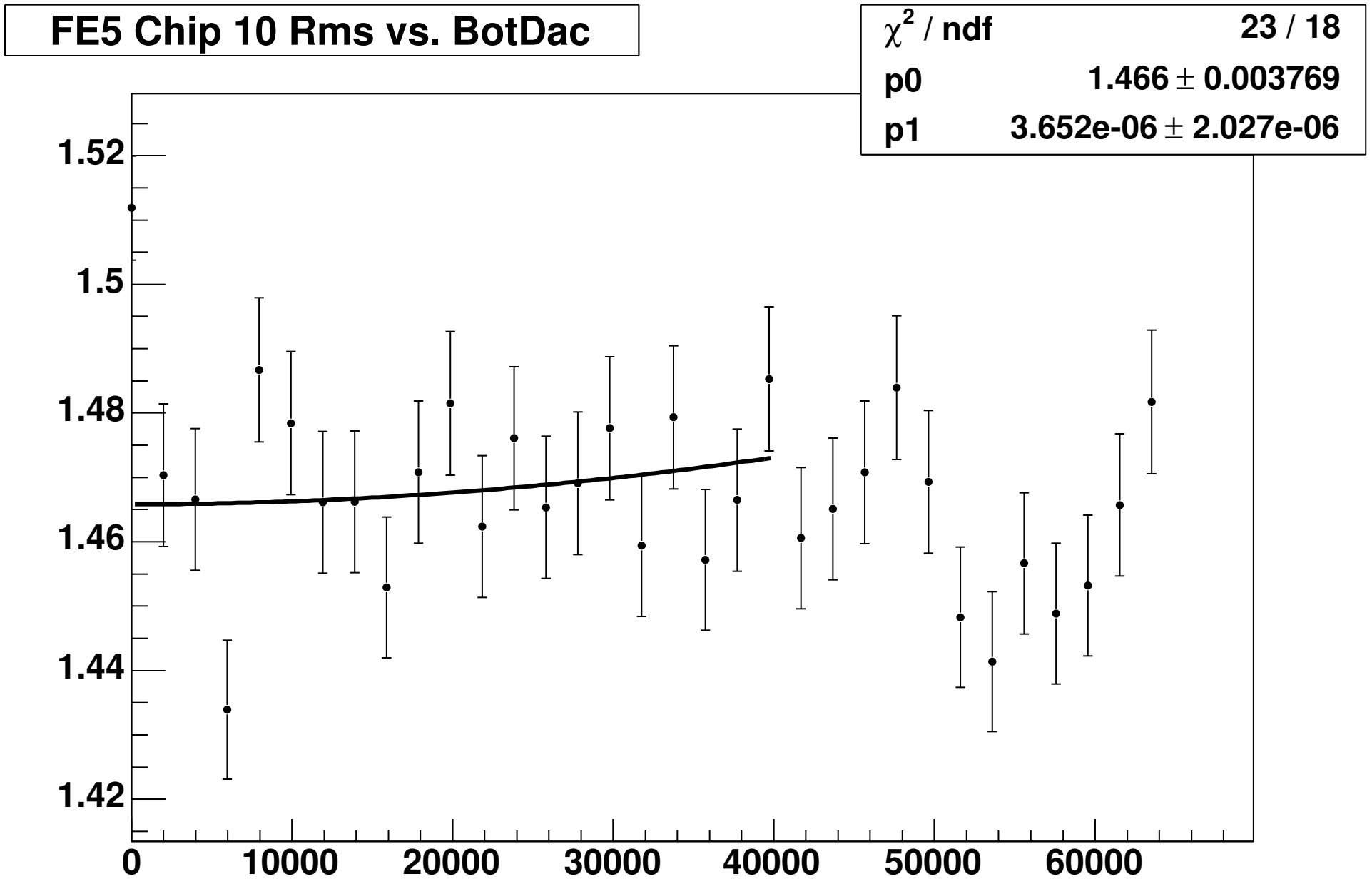
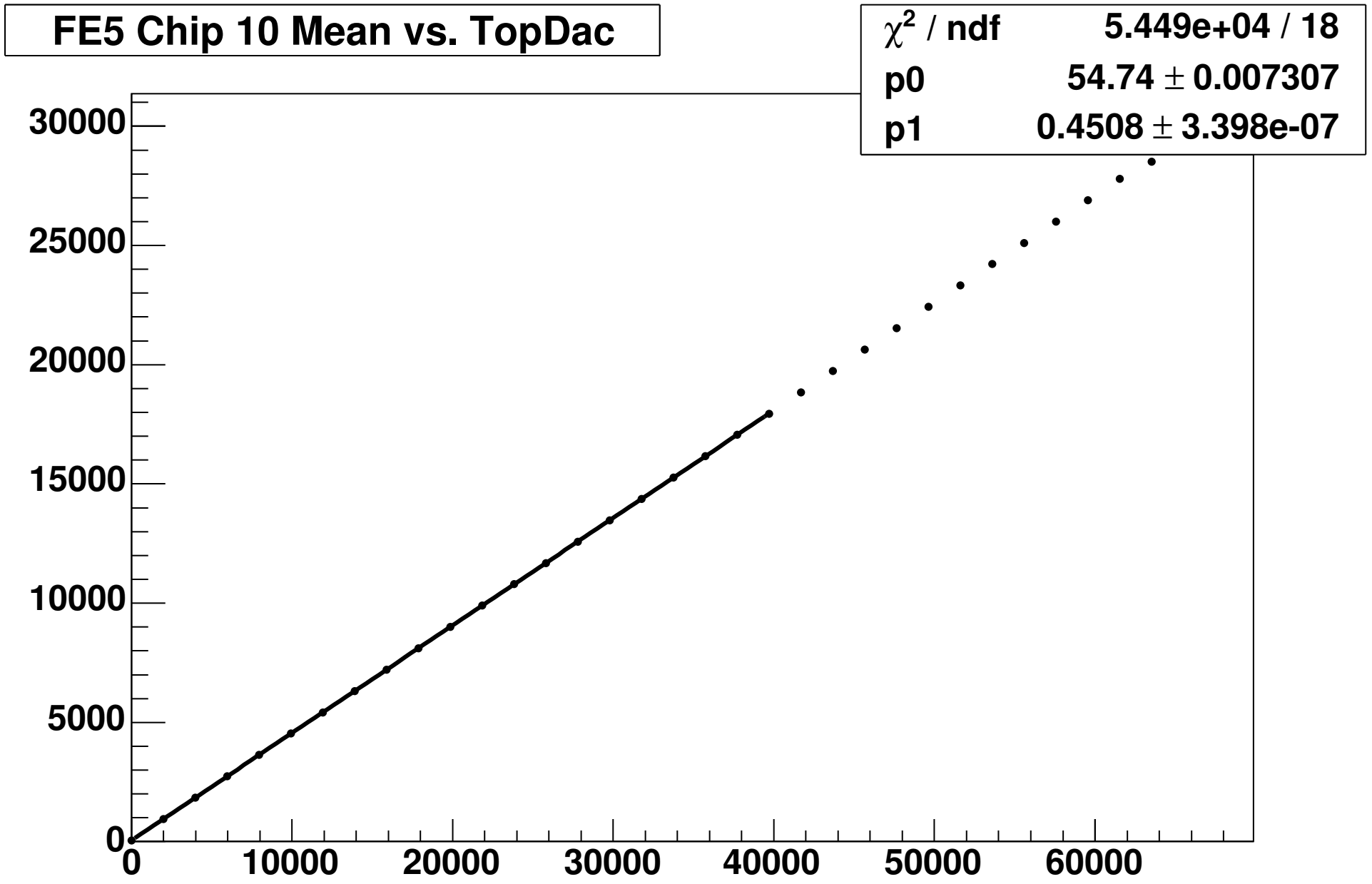

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 527.2 / 18
p0 52.62 ± 0.007235
p1 2.569e-06 ± 3.046e-07
53.4
53.2
53
52.8
52.6
52.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 23 / 18
p0 1.466 ± 0.003769
p1 3.652e-06 ± 2.027e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 5.449e+04 / 18
p0 54.74 ± 0.007307
p1 0.4508 ± 3.398e-07
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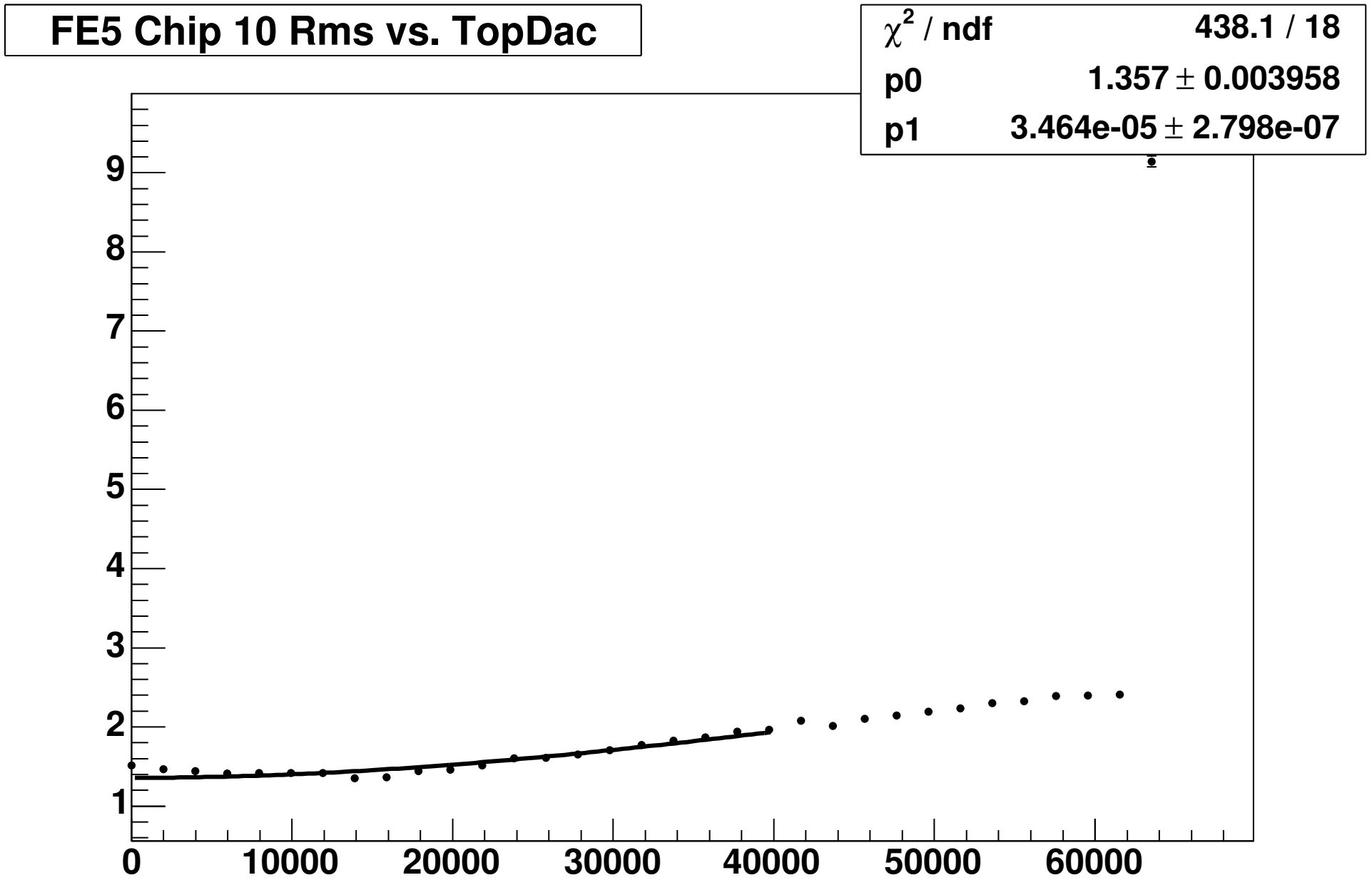
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 438.1 / 18
p0 1.357 ± 0.003958
p1 3.464e-05 ± 2.798e-07
9
8
7
6
5
4
3
2
1
0
10000
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30000
40000
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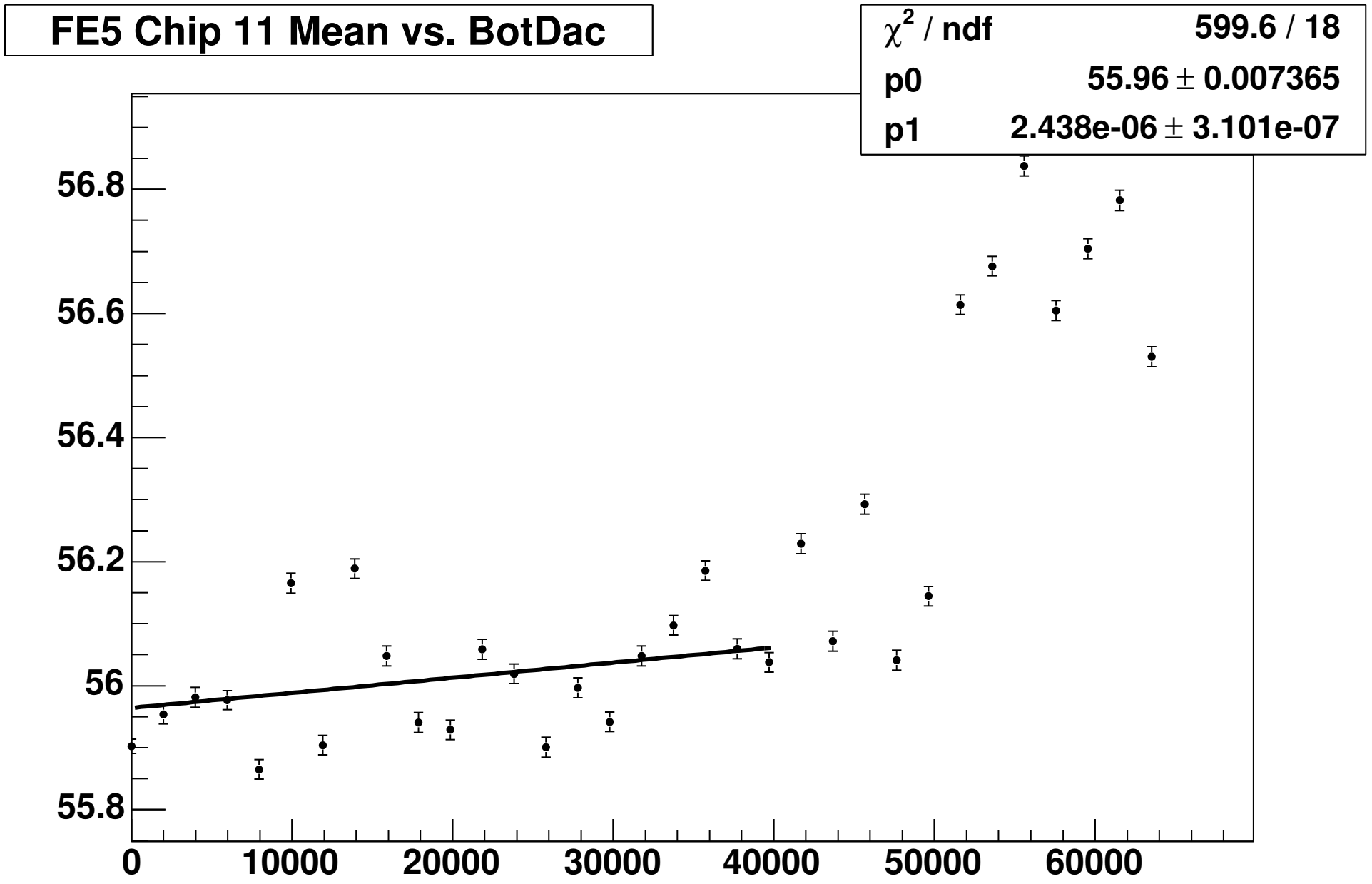
60000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 599.6 / 18
p0 55.96 ± 0.007365
p1 2.438e-06 ± 3.101e-07
56.8
56.6
56.4
56.2
56
55.8
0
10000
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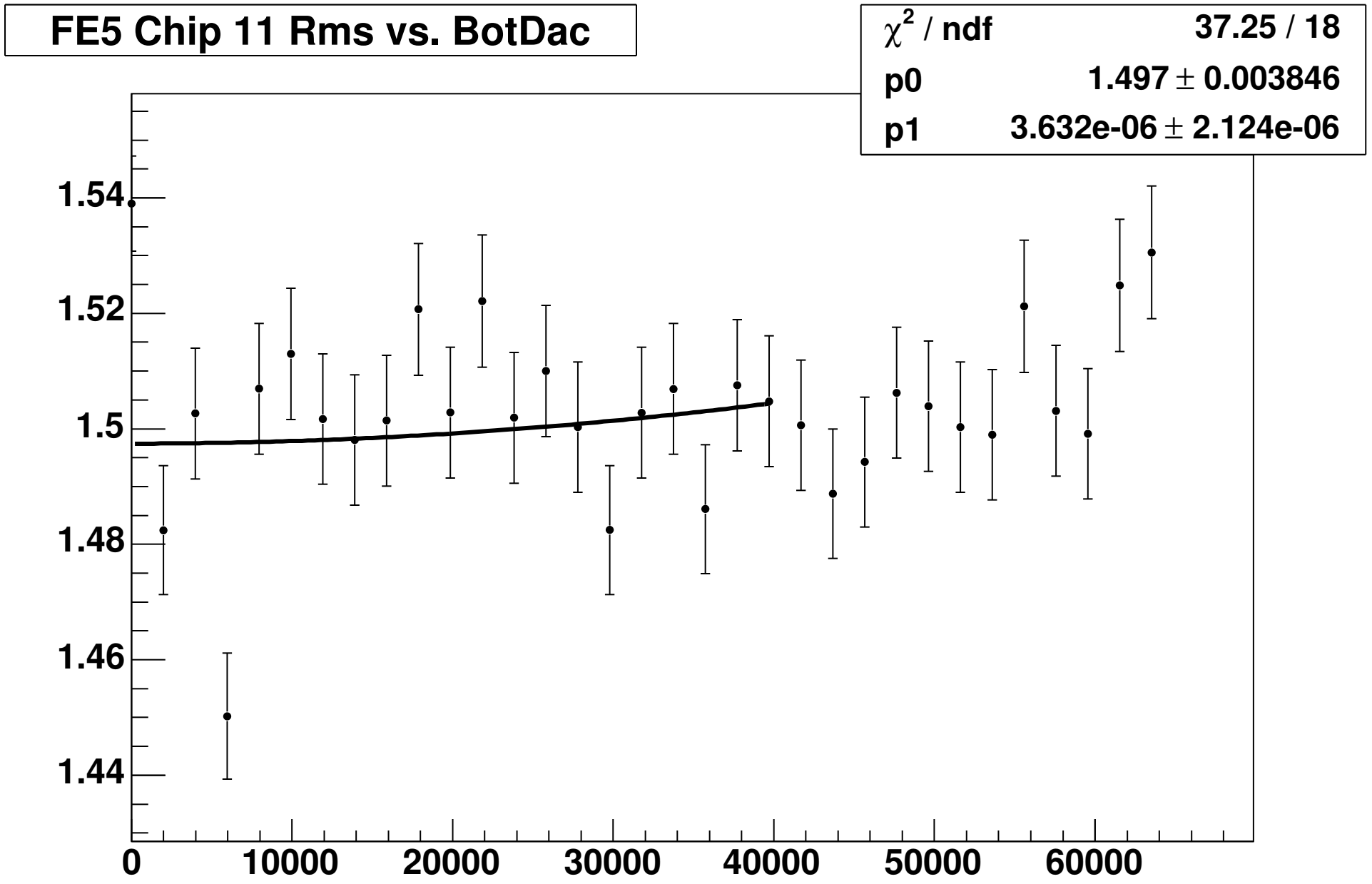
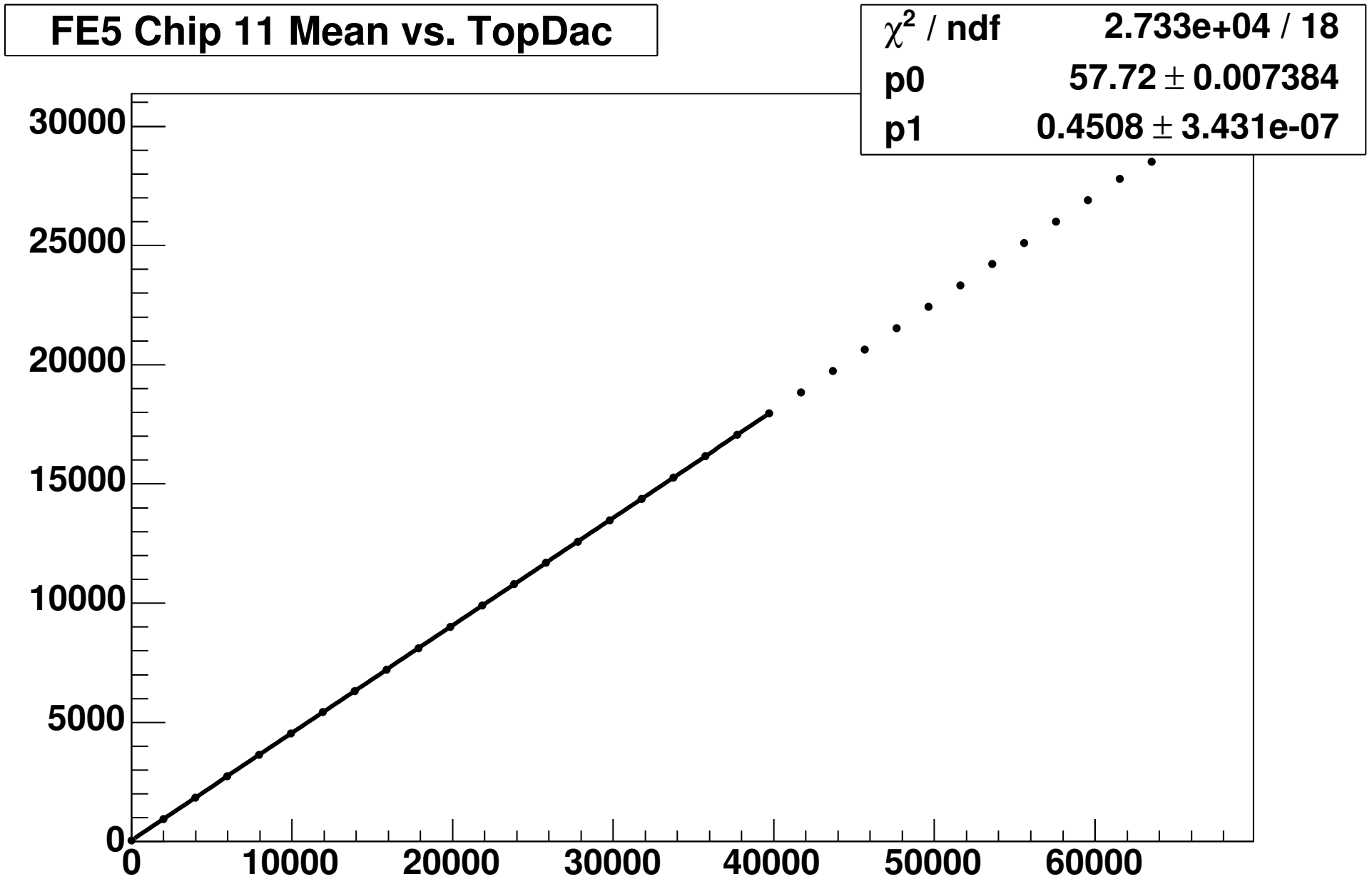
40000
50000
60000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 37.25 / 18
p0 1.497 ± 0.003846
p1 3.632e-06 ± 2.124e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 2.733e+04 / 18
p0 57.72 ± 0.007384
p1 0.4508 ± 3.431e-07
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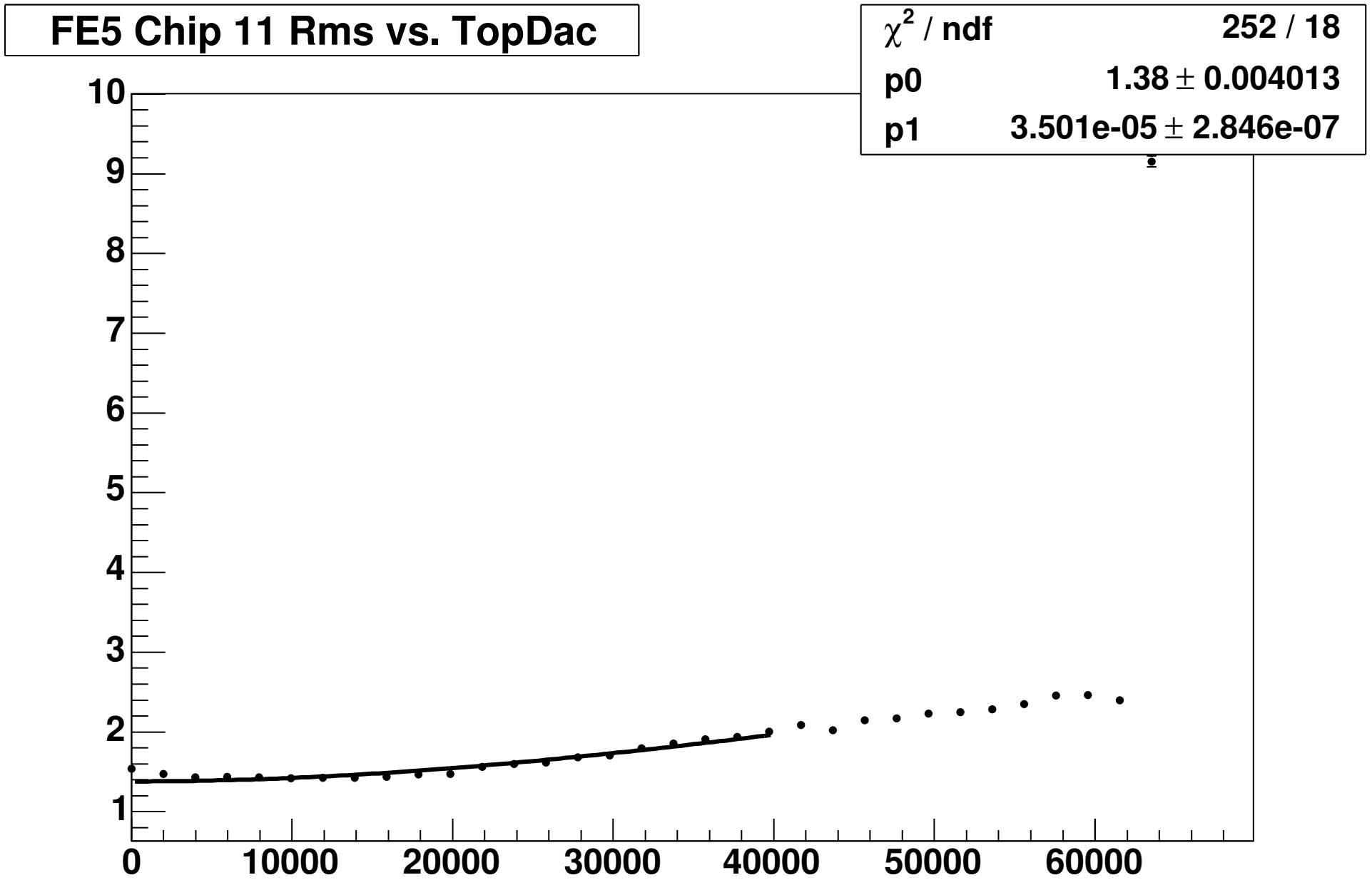
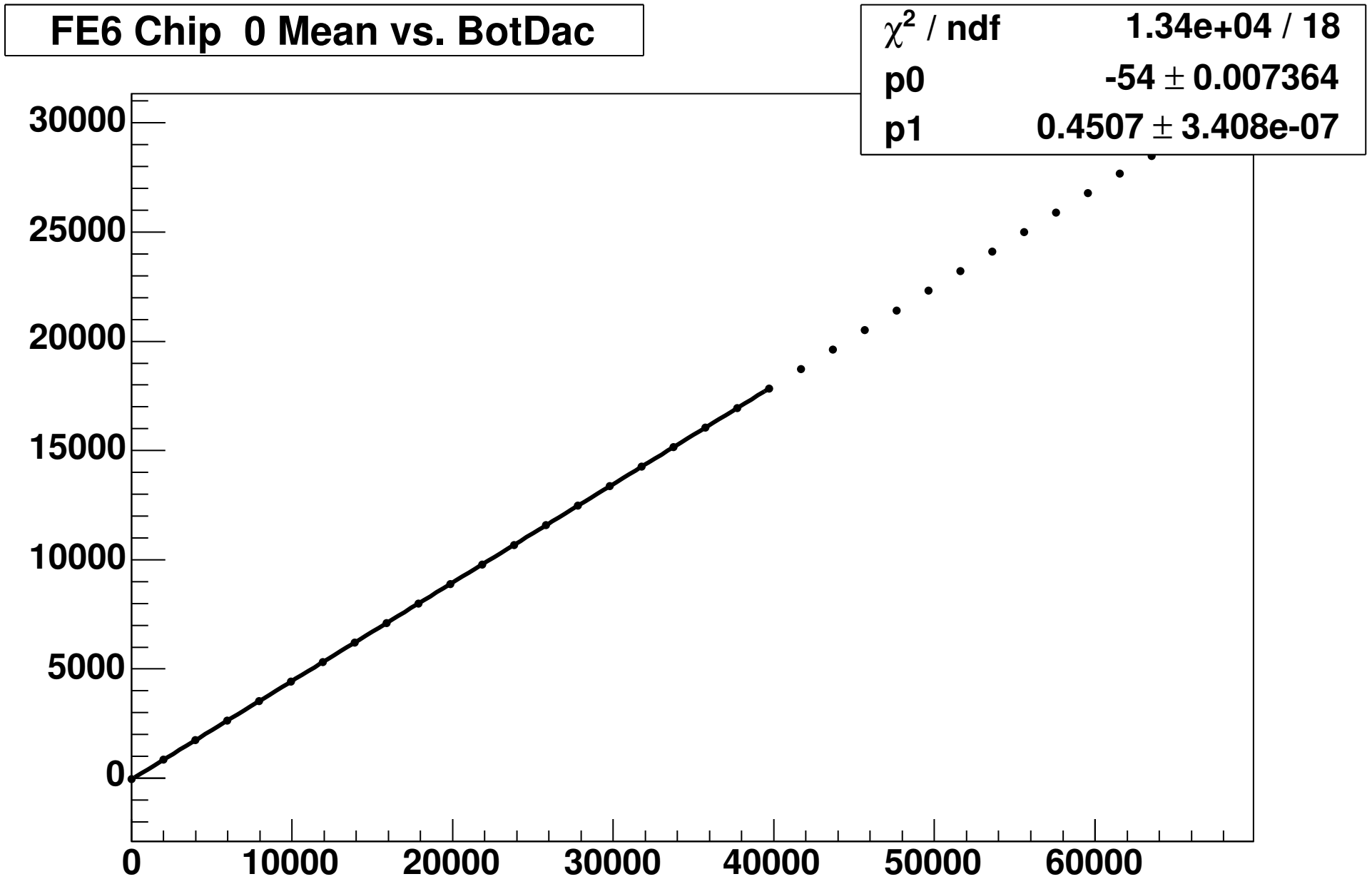
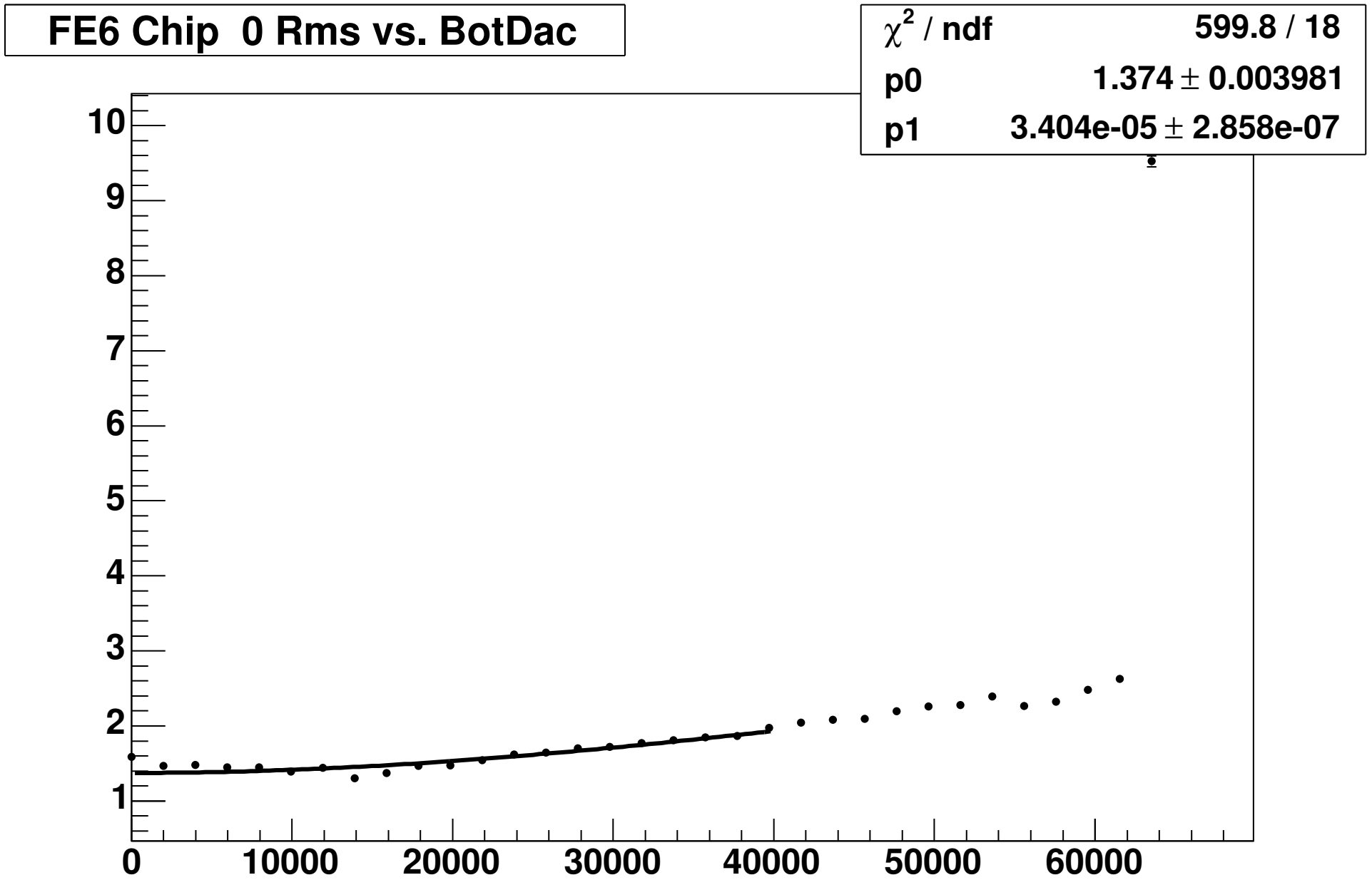
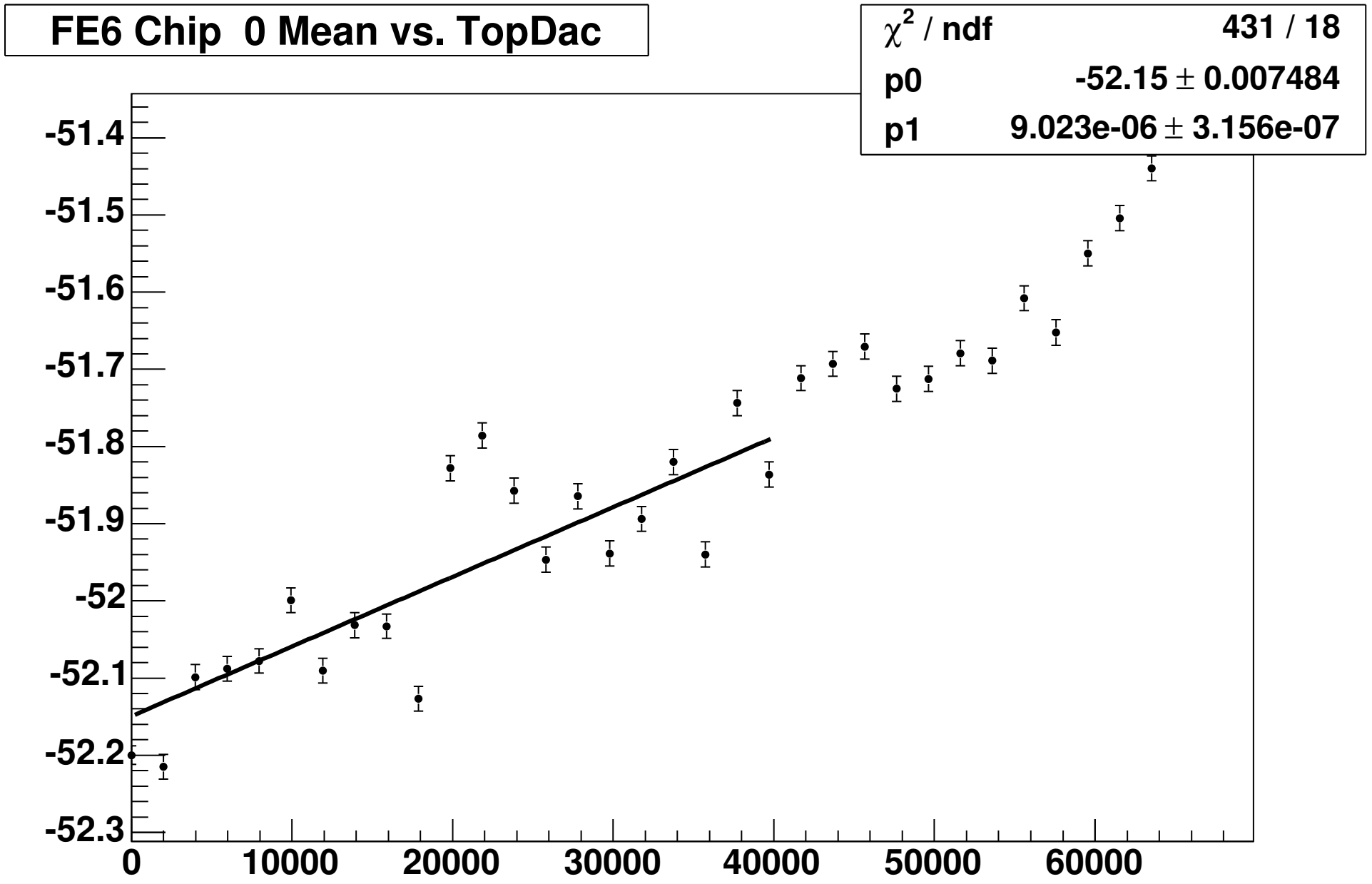
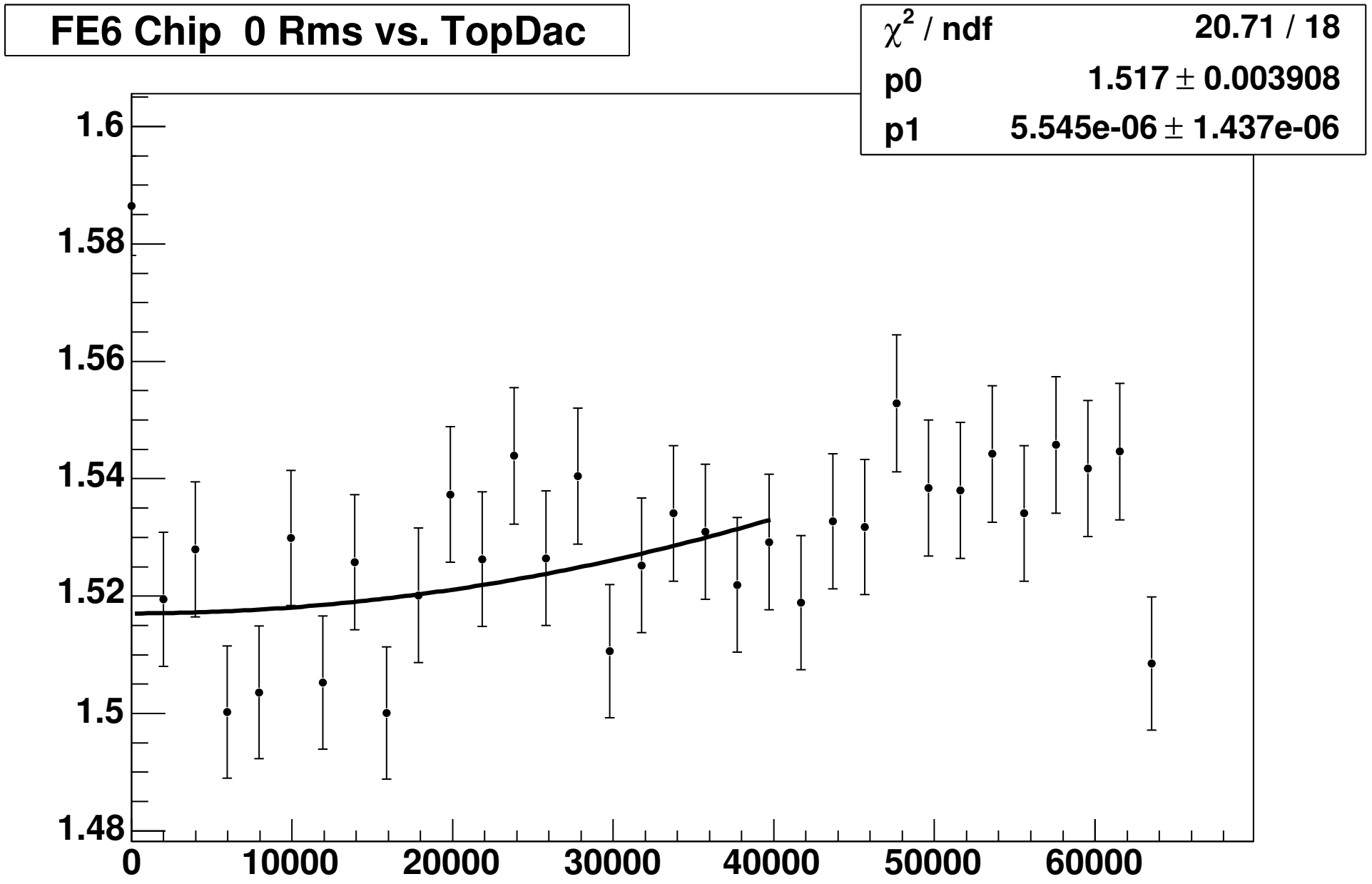
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

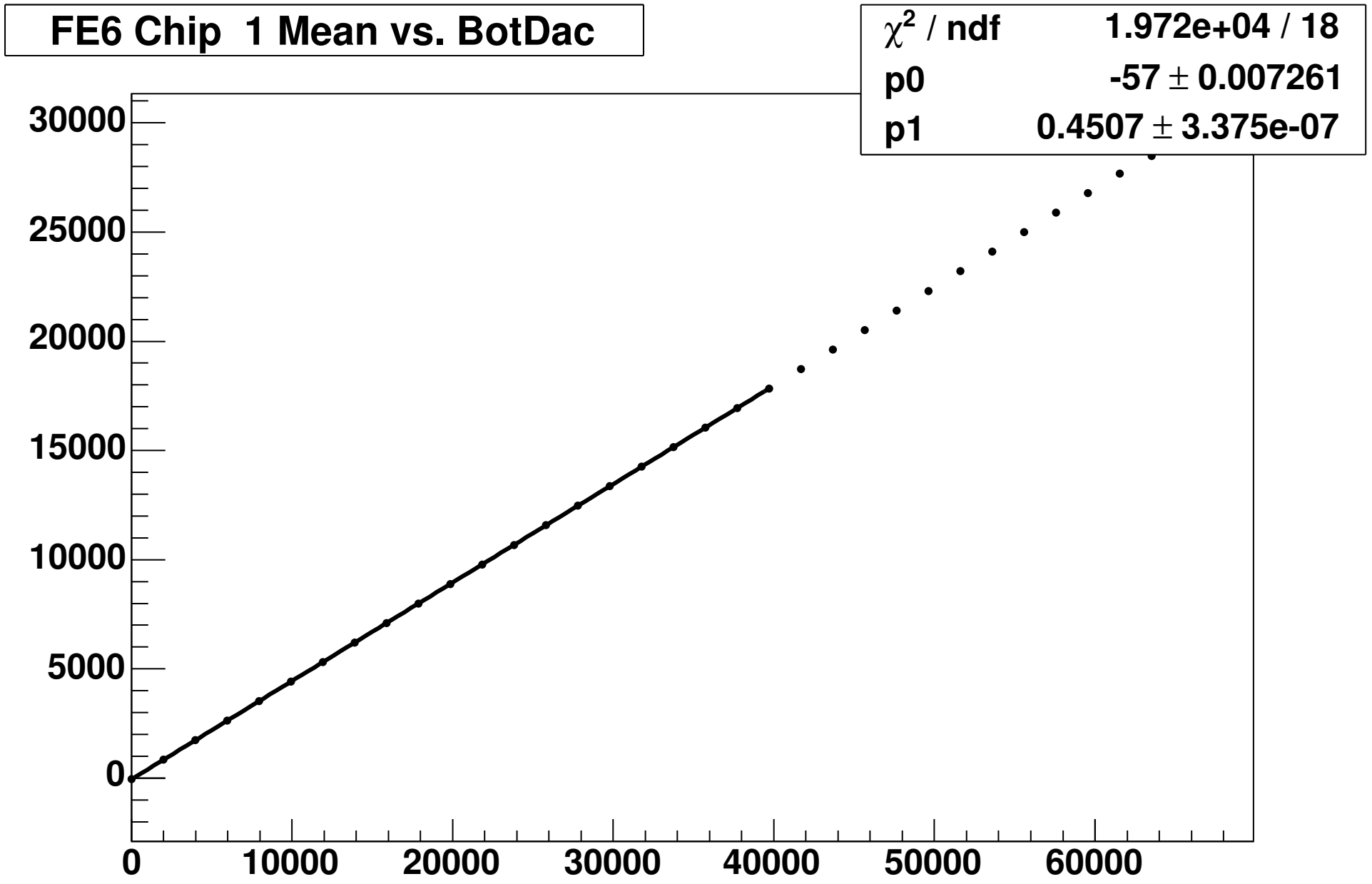

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 252 / 18
p0 1.38 ± 0.004013
p1 3.501e-05 ± 2.846e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

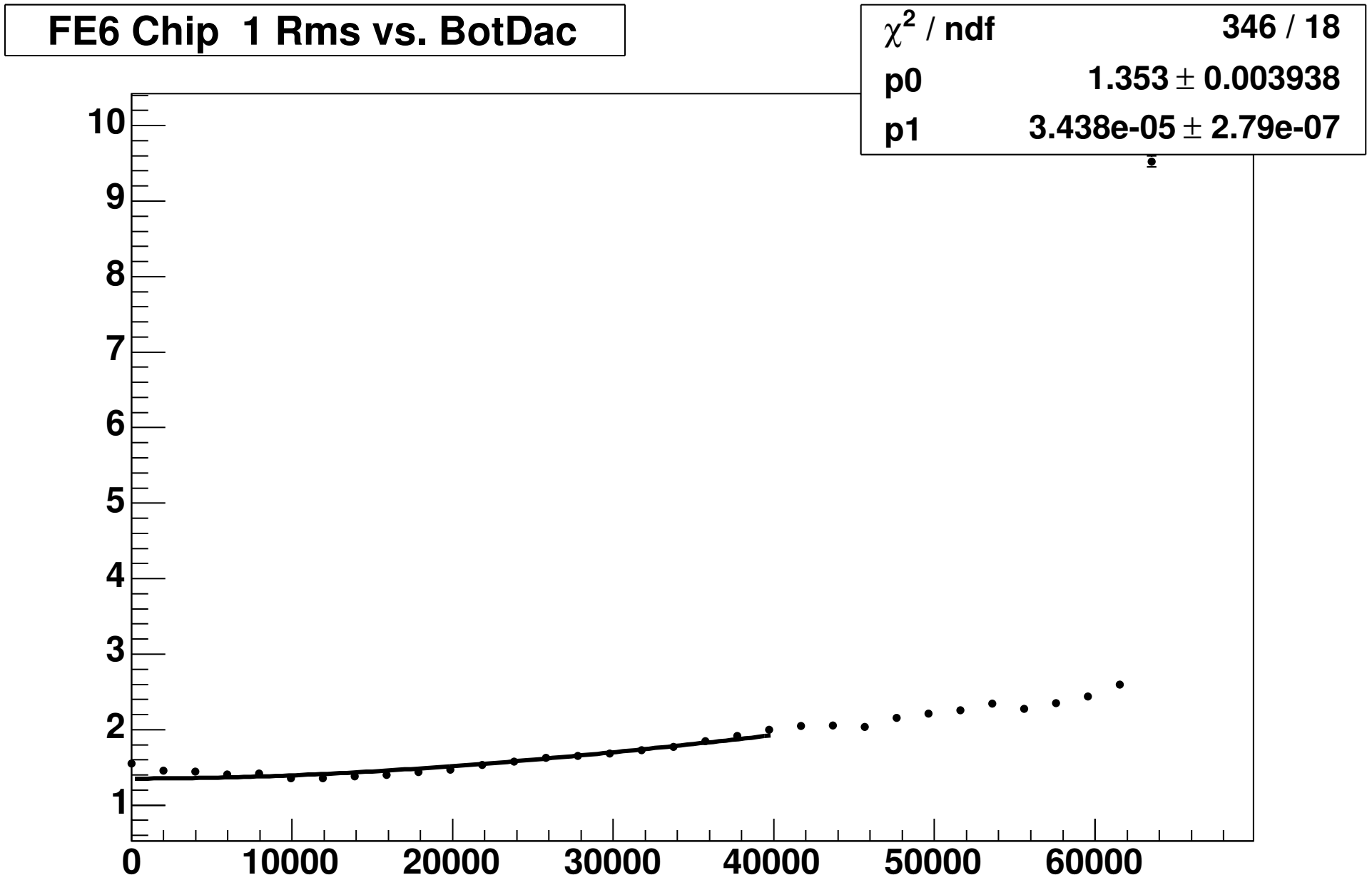

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.34e+04 / 18
p0 -54 ± 0.007364
p1 0.4507 ± 3.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

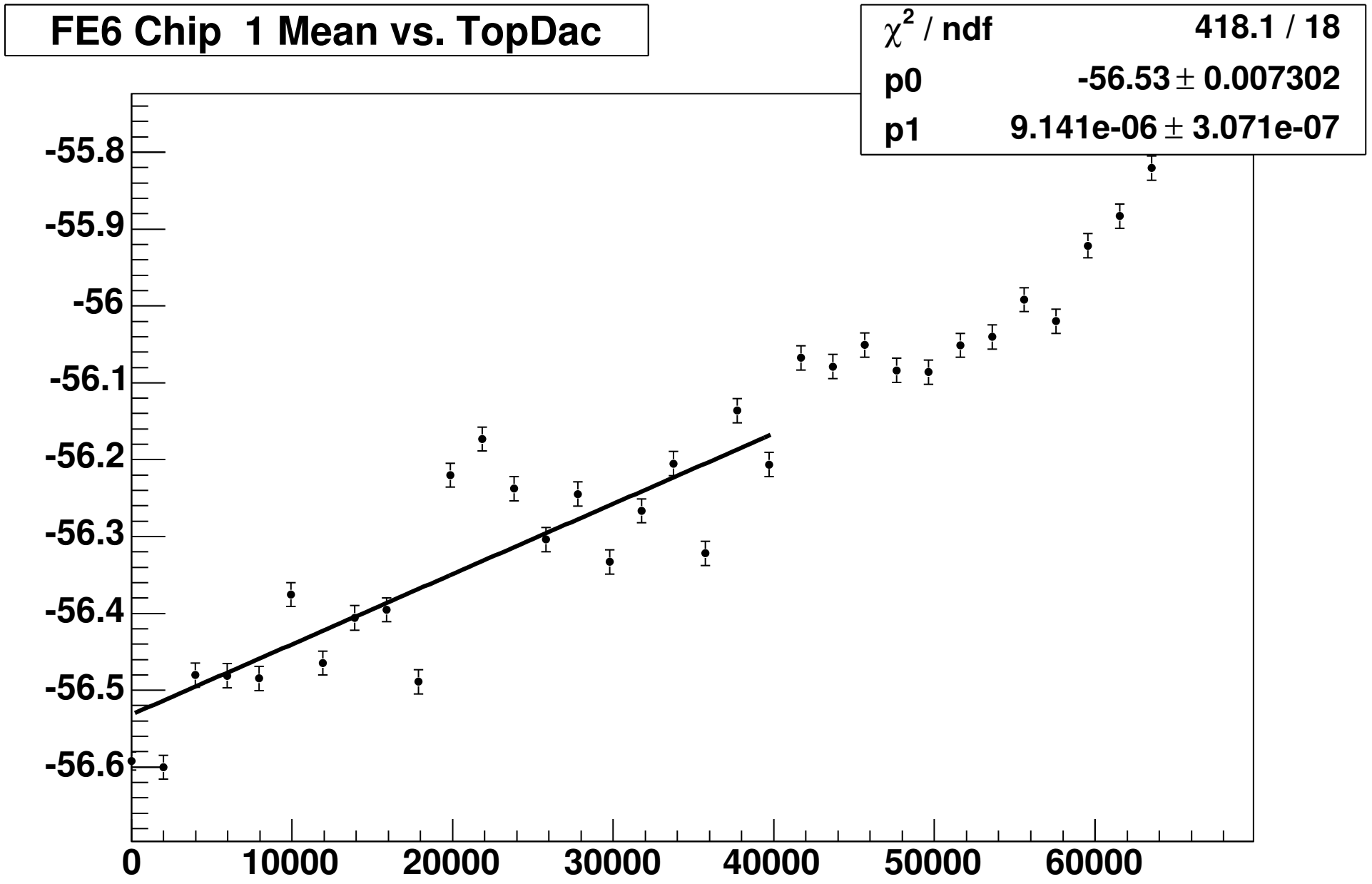

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 599.8 / 18
p0 1.374 ± 0.003981
p1 3.404e-05 ± 2.858e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Mean vs. TopDac
χ^2 / ndf 431 / 18
p0 -52.15 ± 0.007484
p1 9.023e-06 ± 3.156e-07
-51.4
-51.5
-51.6
-51.7
-51.8
-51.9
-52
-52.1
-52.2
-52.3
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 20.71 / 18
p0 1.517 ± 0.003908
p1 5.545e-06 ± 1.437e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.972e+04 / 18
p0 -57 ± 0.007261
p1 0.4507 ± 3.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 346 / 18
p0 1.353 ± 0.003938
p1 3.438e-05 ± 2.79e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 418.1 / 18
p0 -56.53 ± 0.007302
p1 9.141e-06 ± 3.071e-07
-55.8
-55.9
-56
-56.1
-56.2
-56.3
-56.4
-56.5
-56.6
0
10000
20000
30000
40000
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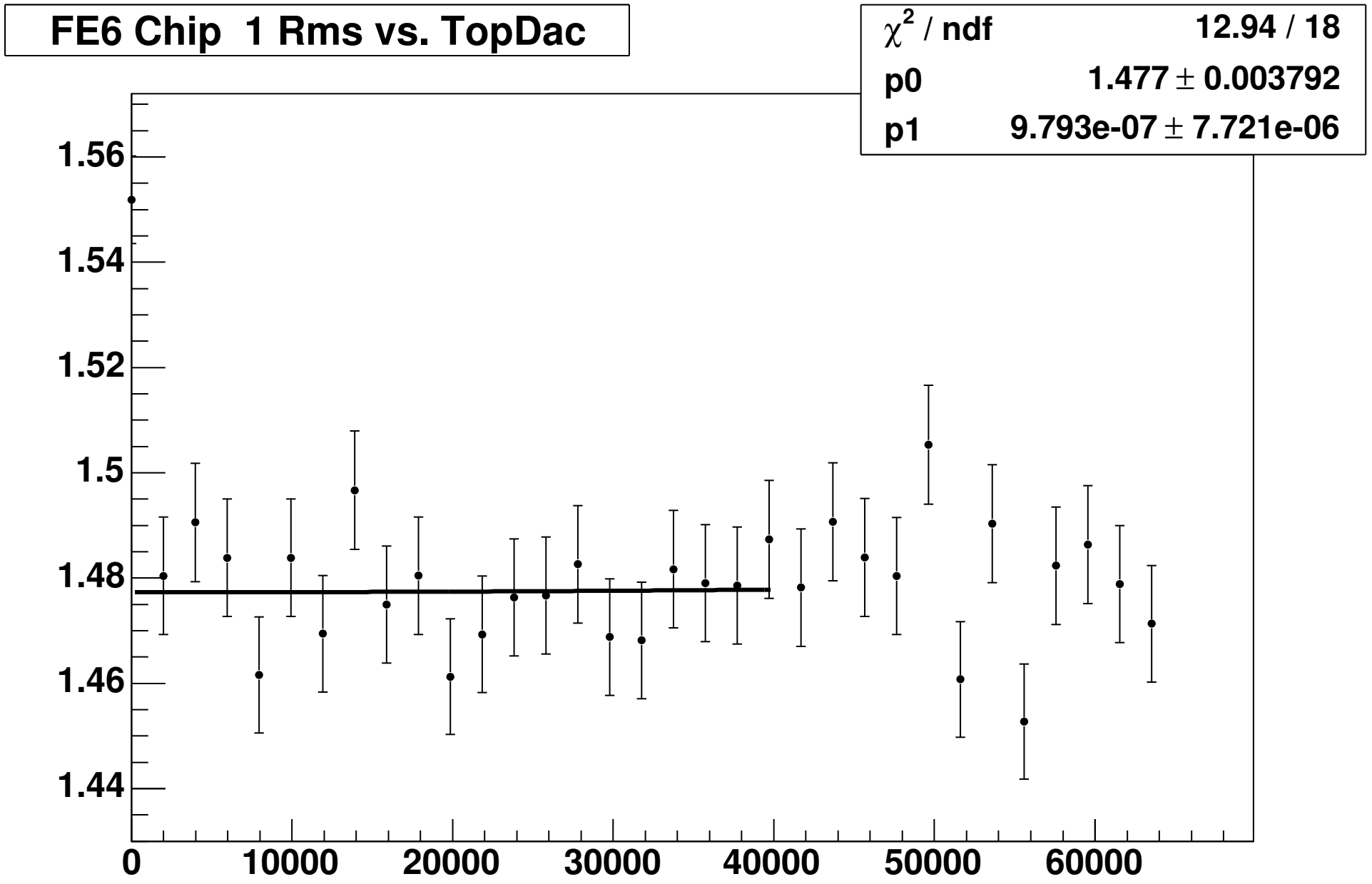
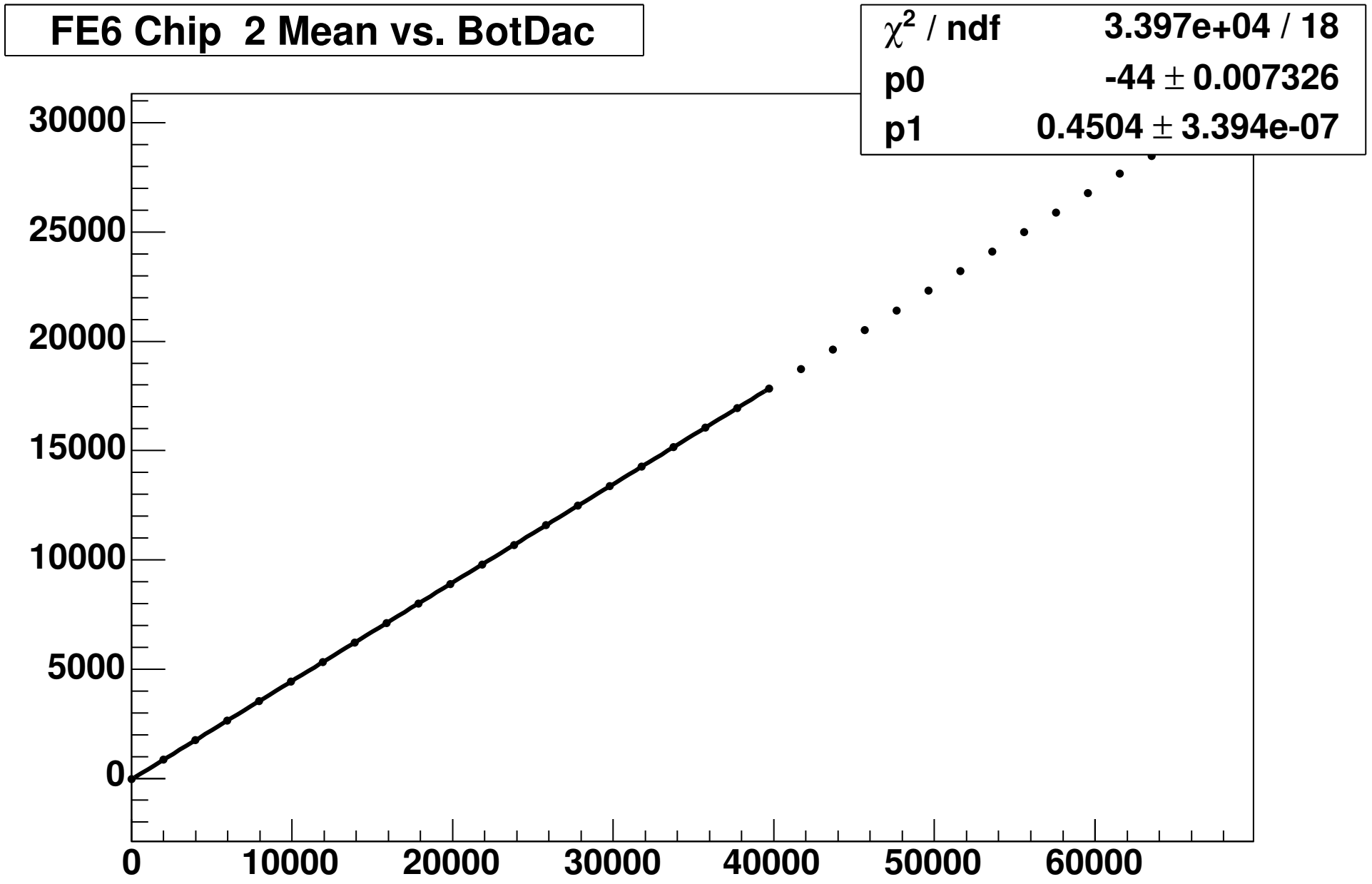
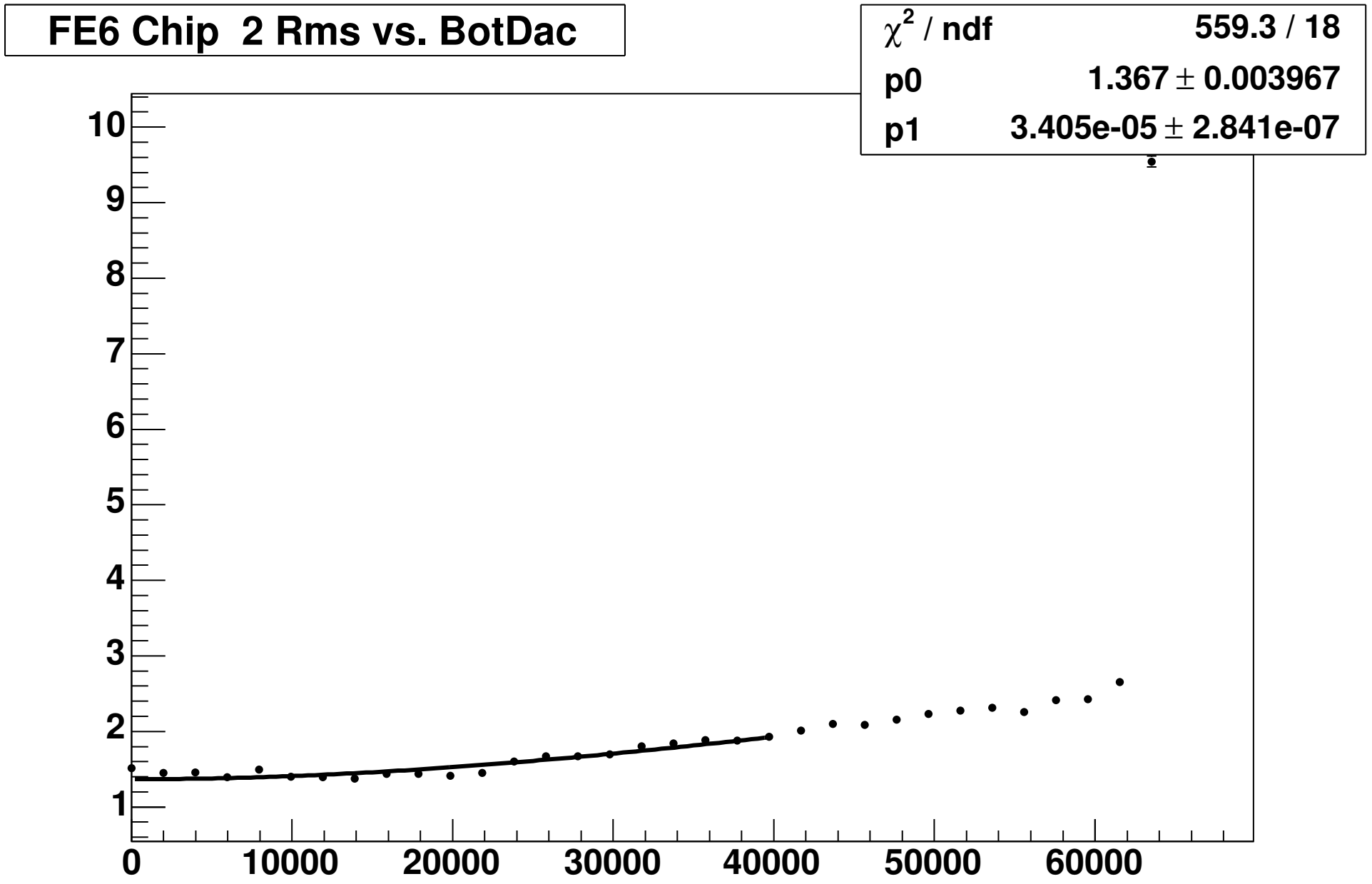
60000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 12.94 / 18
p0 1.477 ± 0.003792
p1 9.793e-07 ± 7.721e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 3.397e+04 / 18
p0 -44 ± 0.007326
p1 0.4504 ± 3.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 559.3 / 18
p0 1.367 ± 0.003967
p1 3.405e-05 ± 2.841e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
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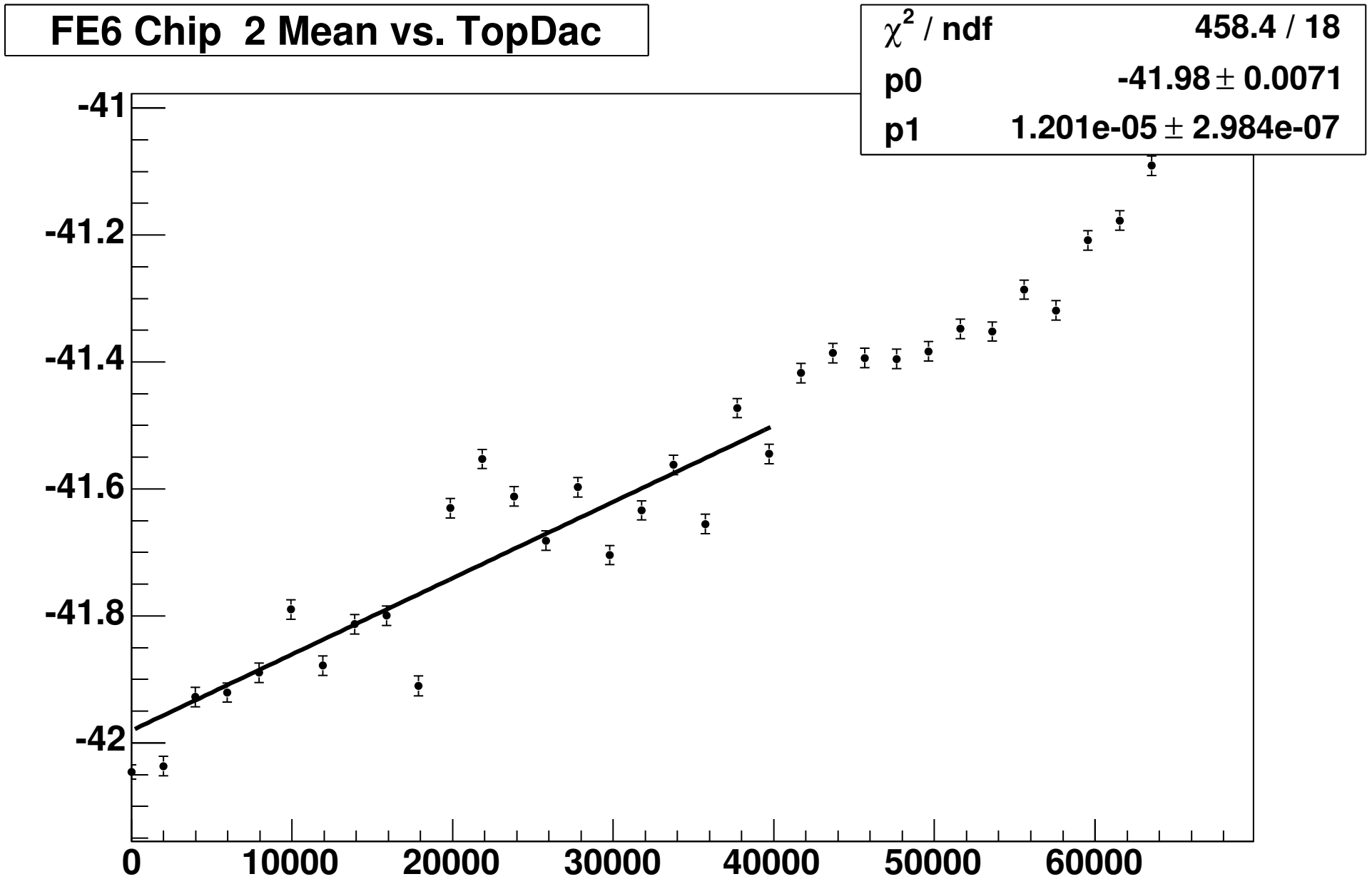
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 458.4 / 18
p0 -41.98 ± 0.0071
p1 1.201e-05 ± 2.984e-07
-41
-41.2
-41.4
-41.6
-41.8
-42
0
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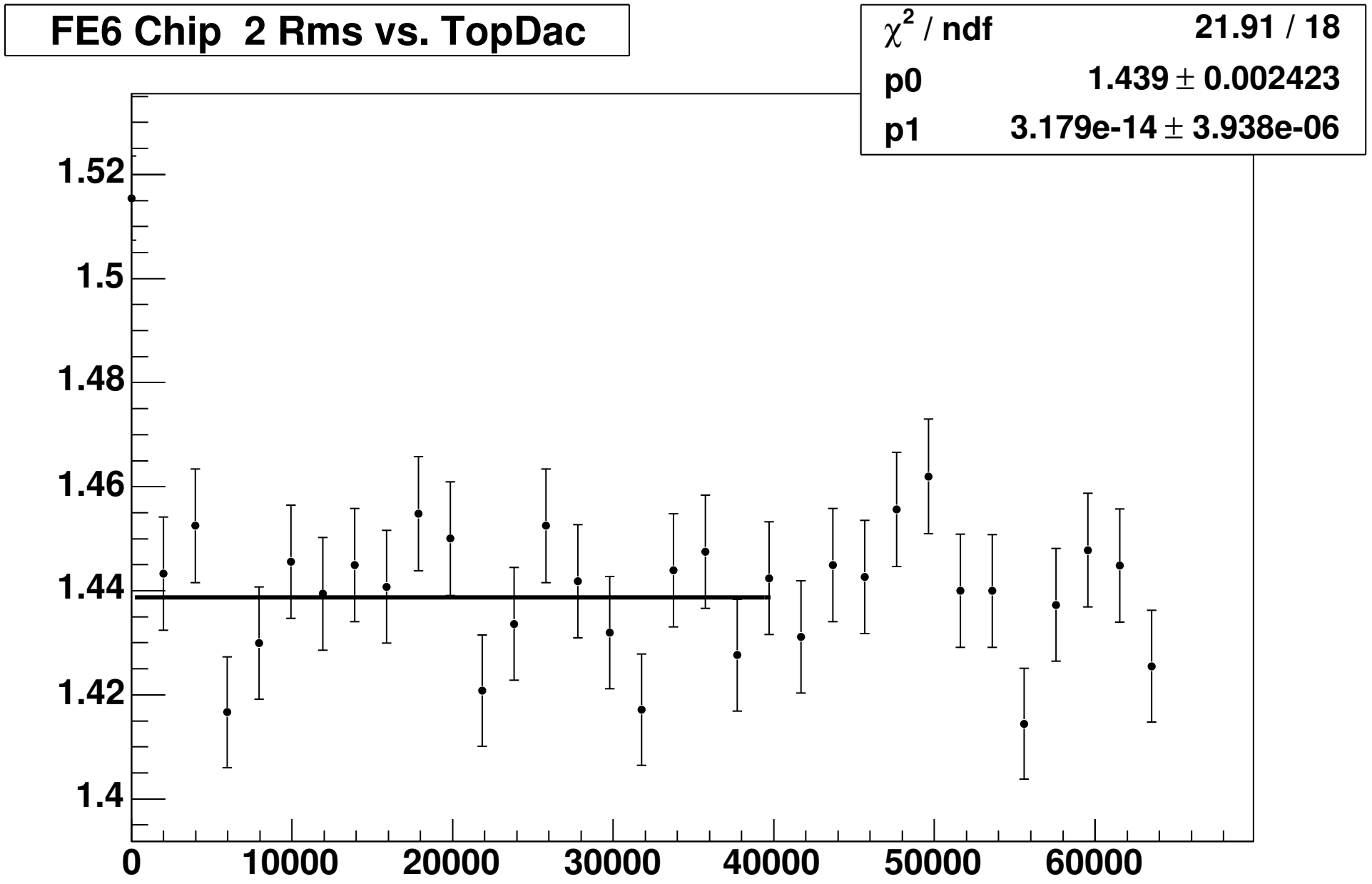
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 21.91 / 18
p0 1.439 ± 0.002423
p1 3.179e-14 ± 3.938e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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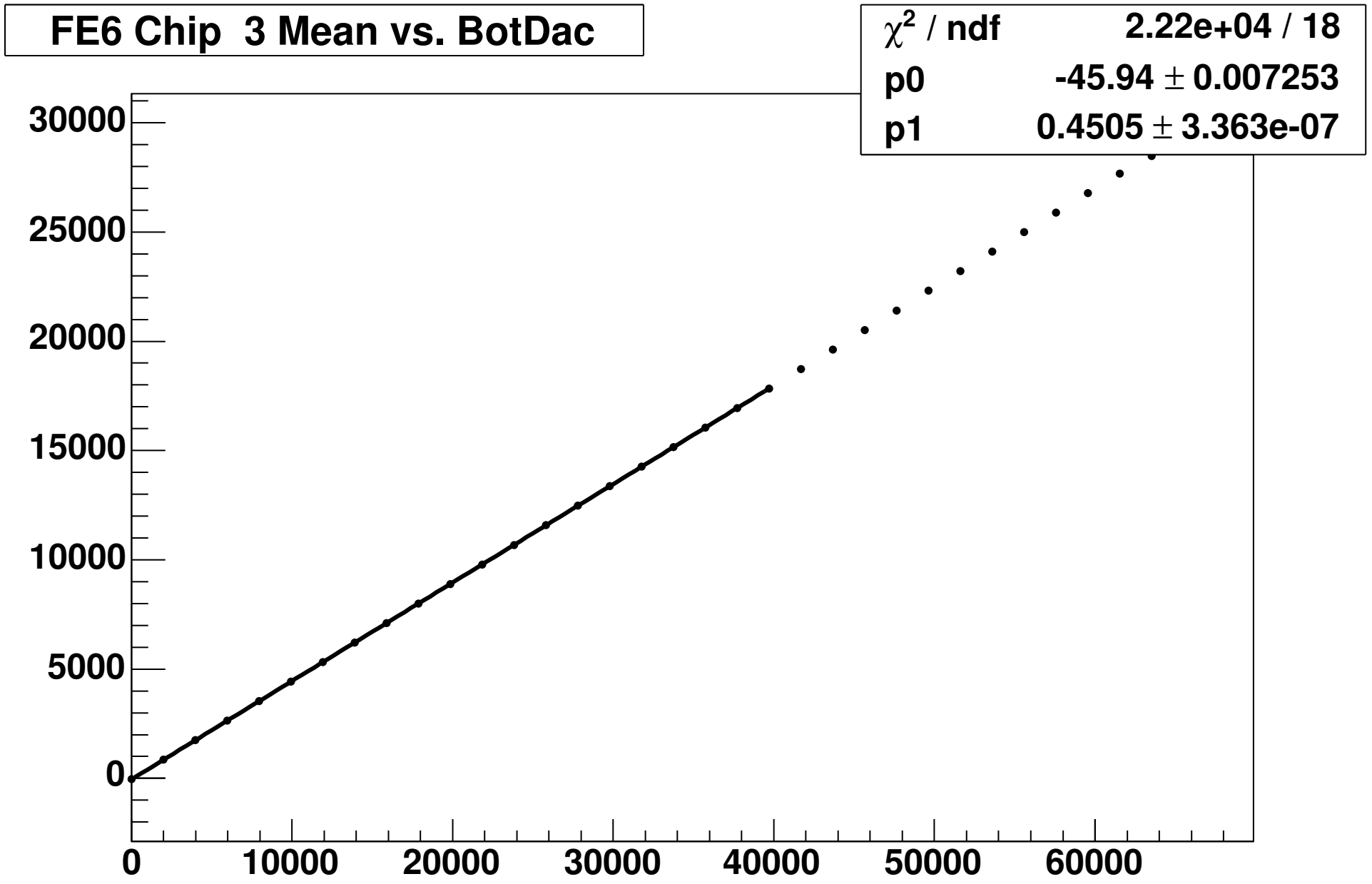
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 2.22e+04 / 18
p0 -45.94 ± 0.007253
p1 0.4505 ± 3.363e-07
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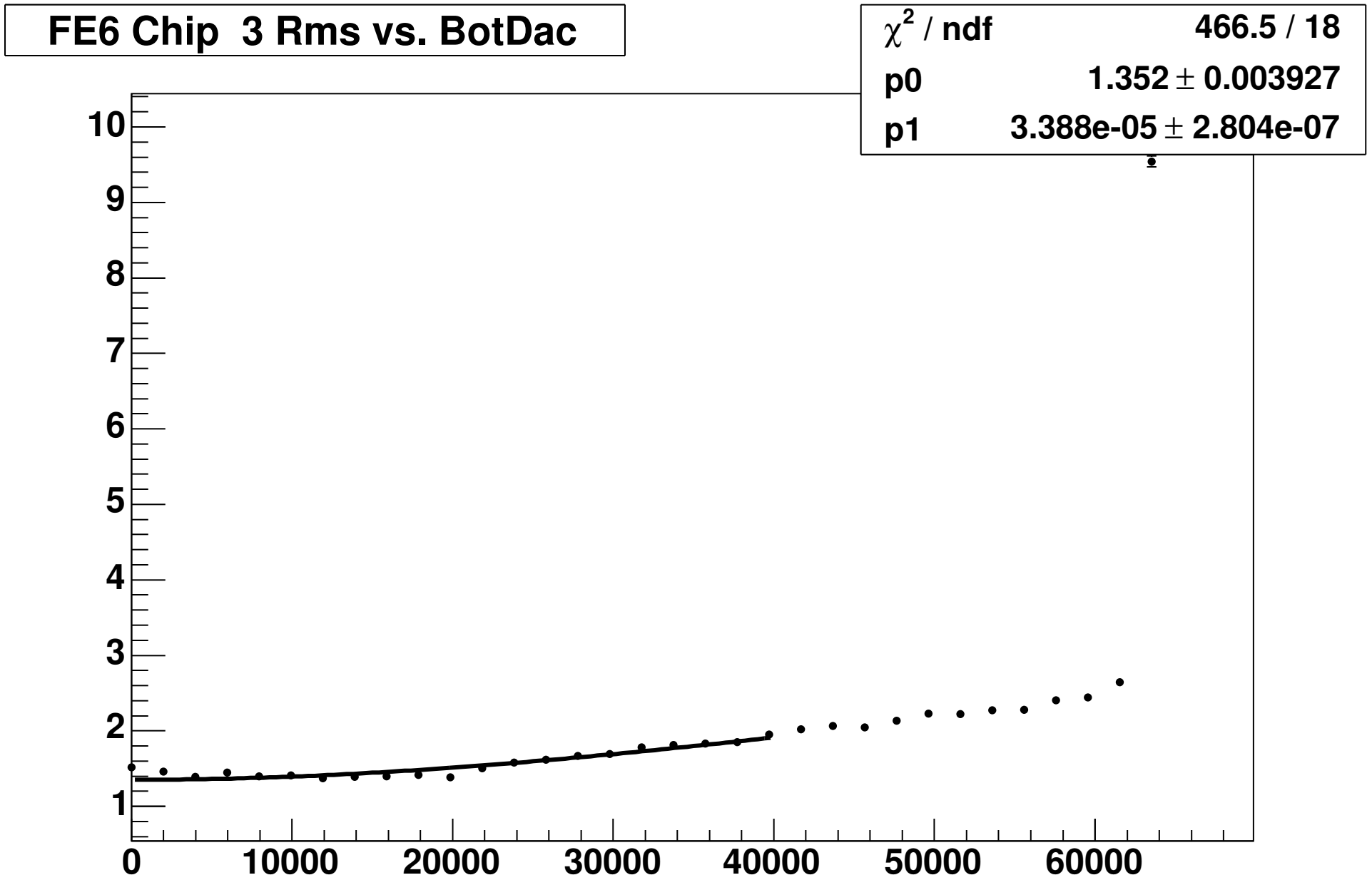
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 466.5 / 18
p0 1.352 ± 0.003927
p1 3.388e-05 ± 2.804e-07
10
9
8
7
6
5
4
3
2
1
0
10000
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30000
40000
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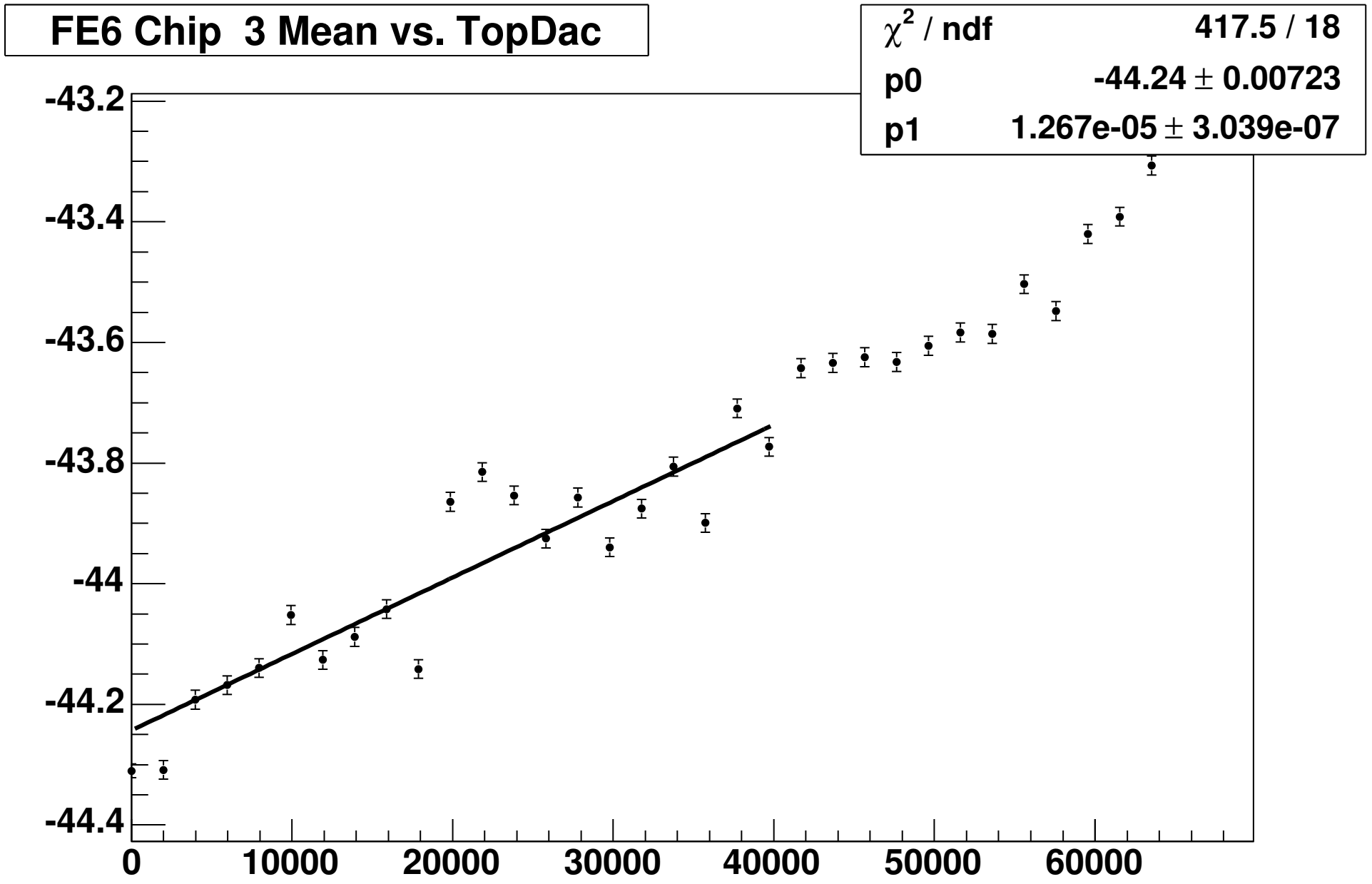
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 417.5 / 18
p0 -44.24 ± 0.00723
p1 1.267e-05 ± 3.039e-07
-43.2
-43.4
-43.6
-43.8
-44
-44.2
-44.4
0
10000
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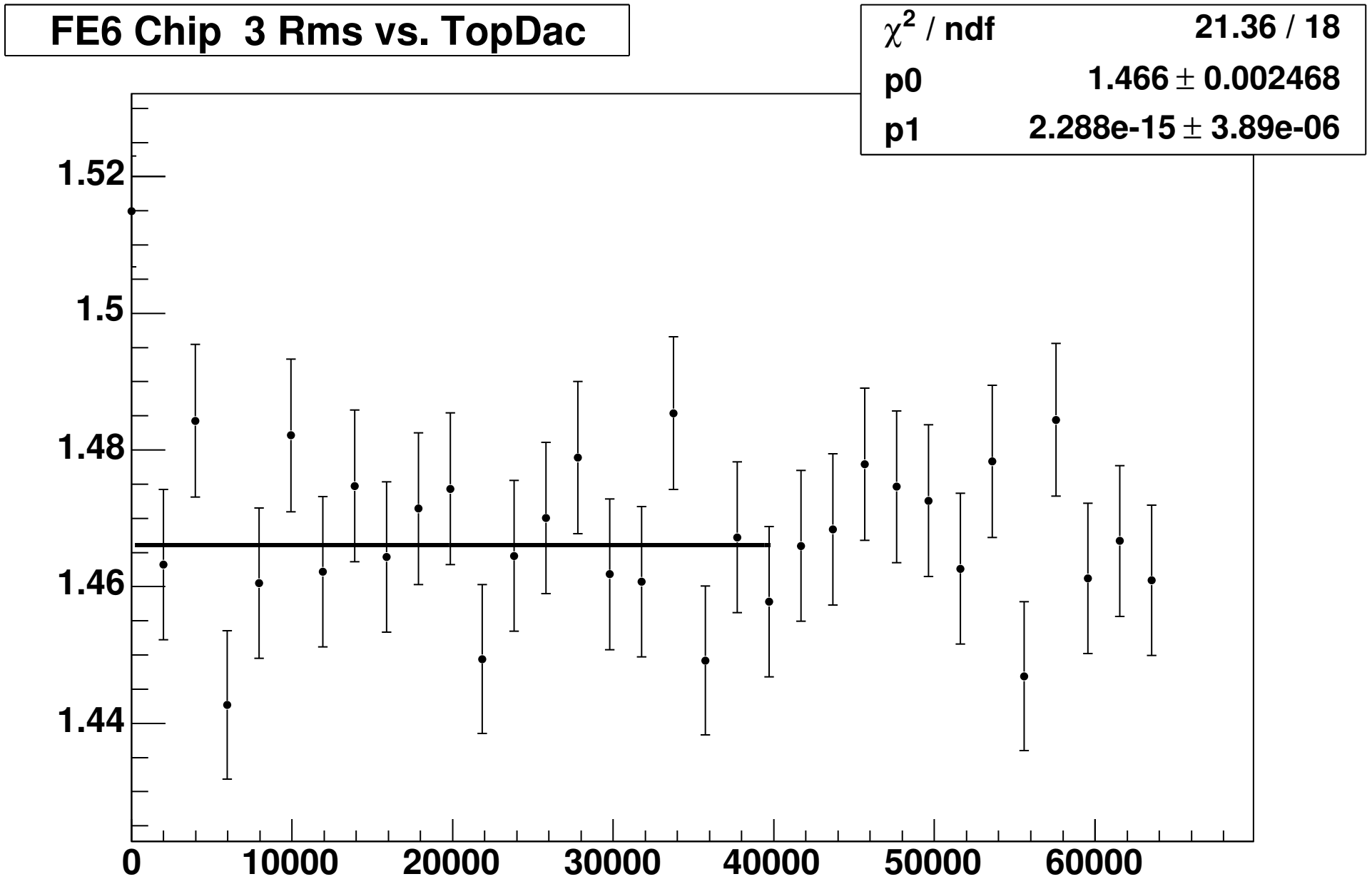
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 21.36 / 18
p0 1.466 ± 0.002468
p1 2.288e-15 ± 3.89e-06
1.52
1.5
1.48
1.46
1.44
0
10000
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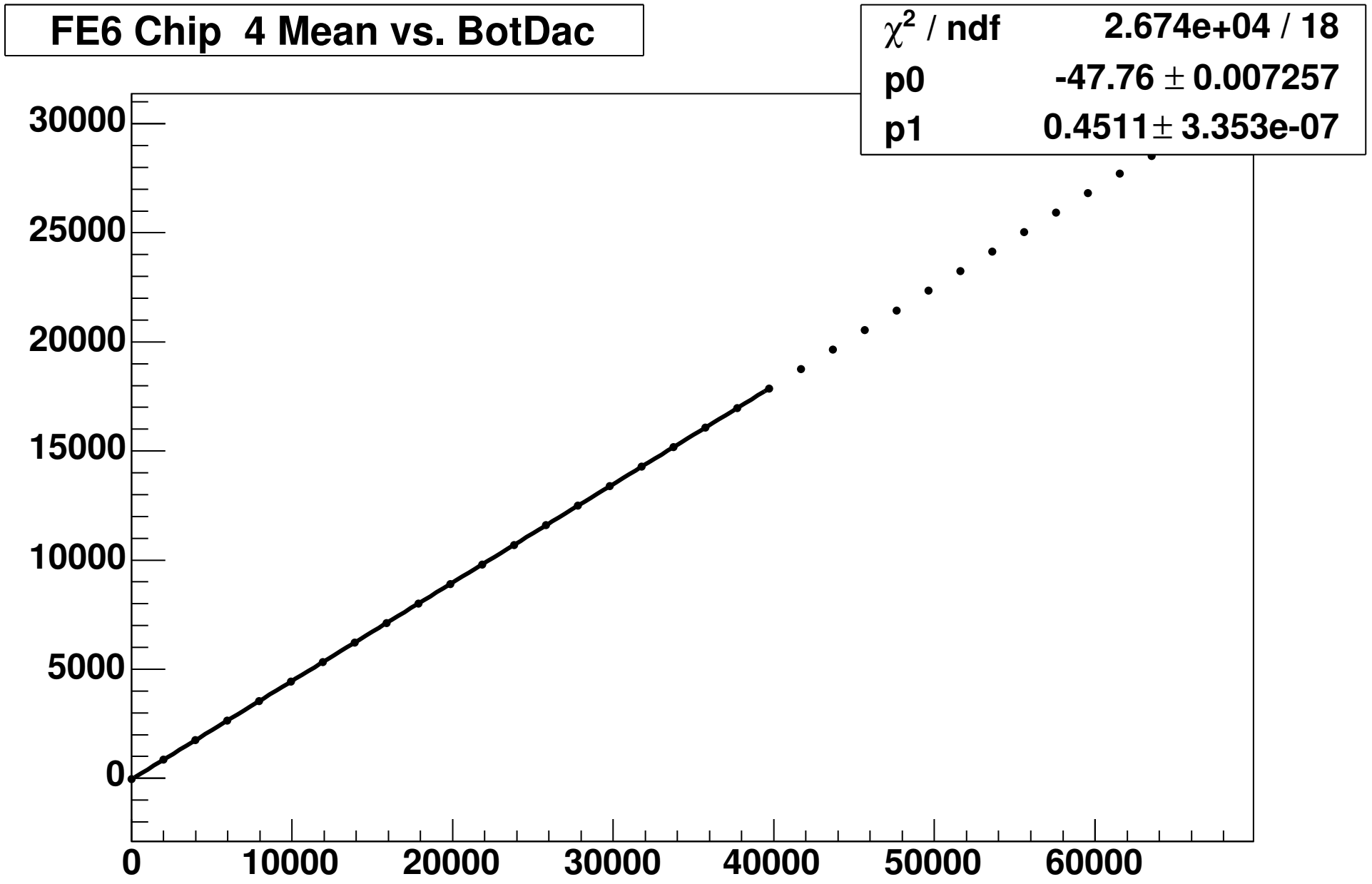
40000
50000
60000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 2.674e+04 / 18
p0 -47.76 ± 0.007257
p1 0.4511 ± 3.353e-07
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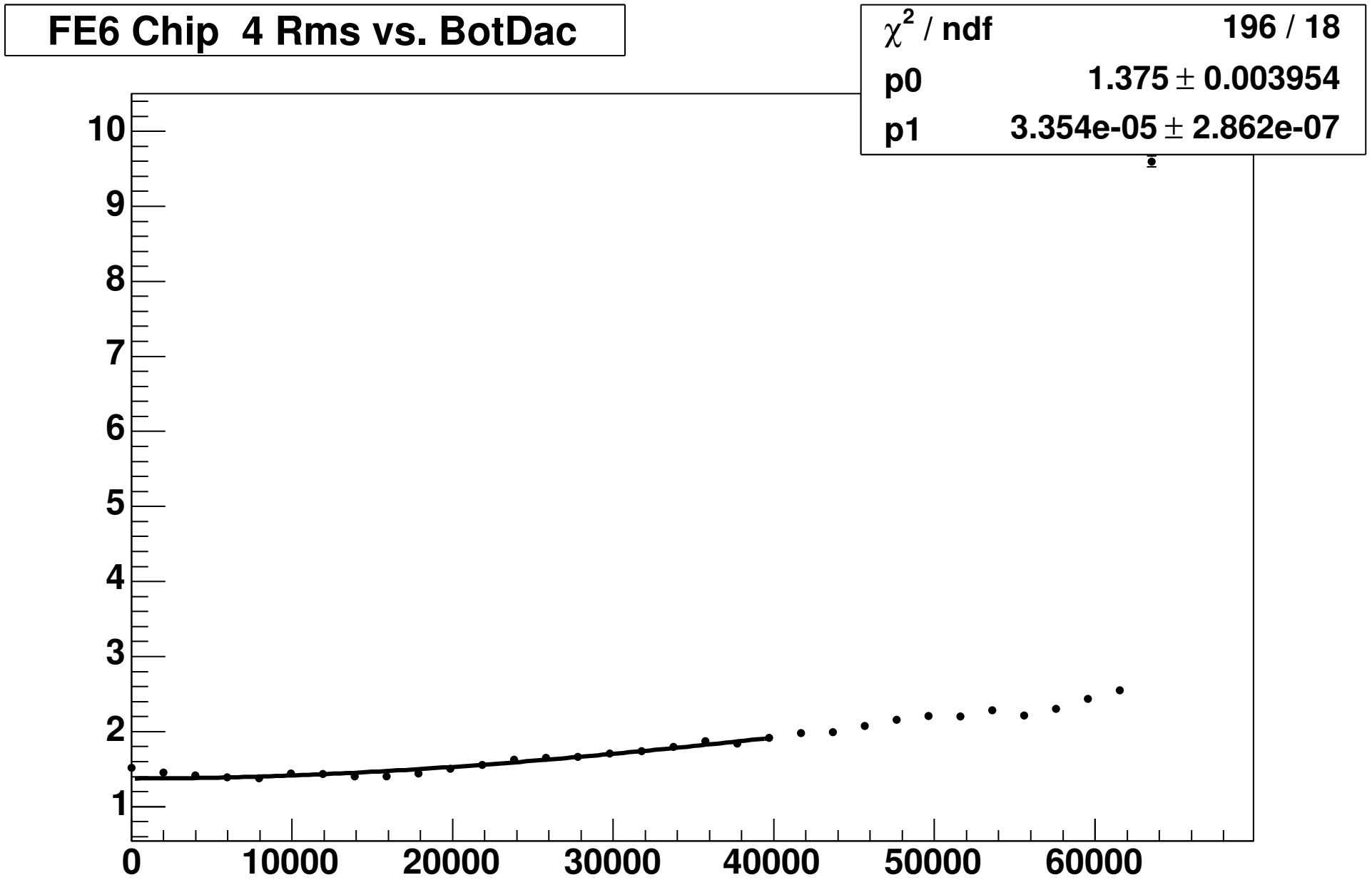
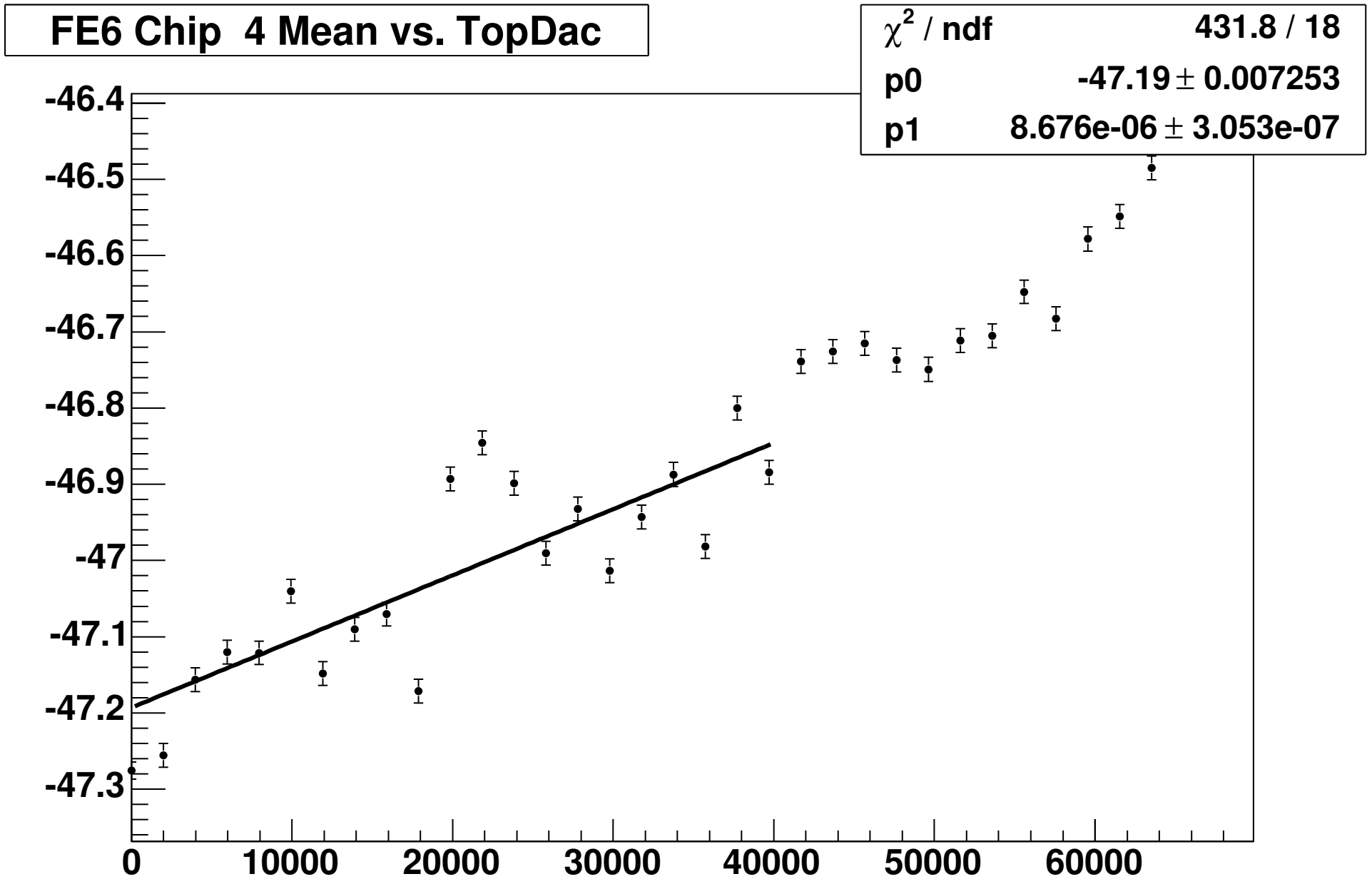
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 196 / 18
p0 1.375 ± 0.003954
p1 3.354e-05 ± 2.862e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Mean vs. TopDac
χ^2 / ndf 431.8 / 18
p0 -47.19 ± 0.007253
p1 8.676e-06 ± 3.053e-07
-46.4
-46.5
-46.6
-46.7
-46.8
-46.9
-47
-47.1
-47.2
-47.3
0
10000
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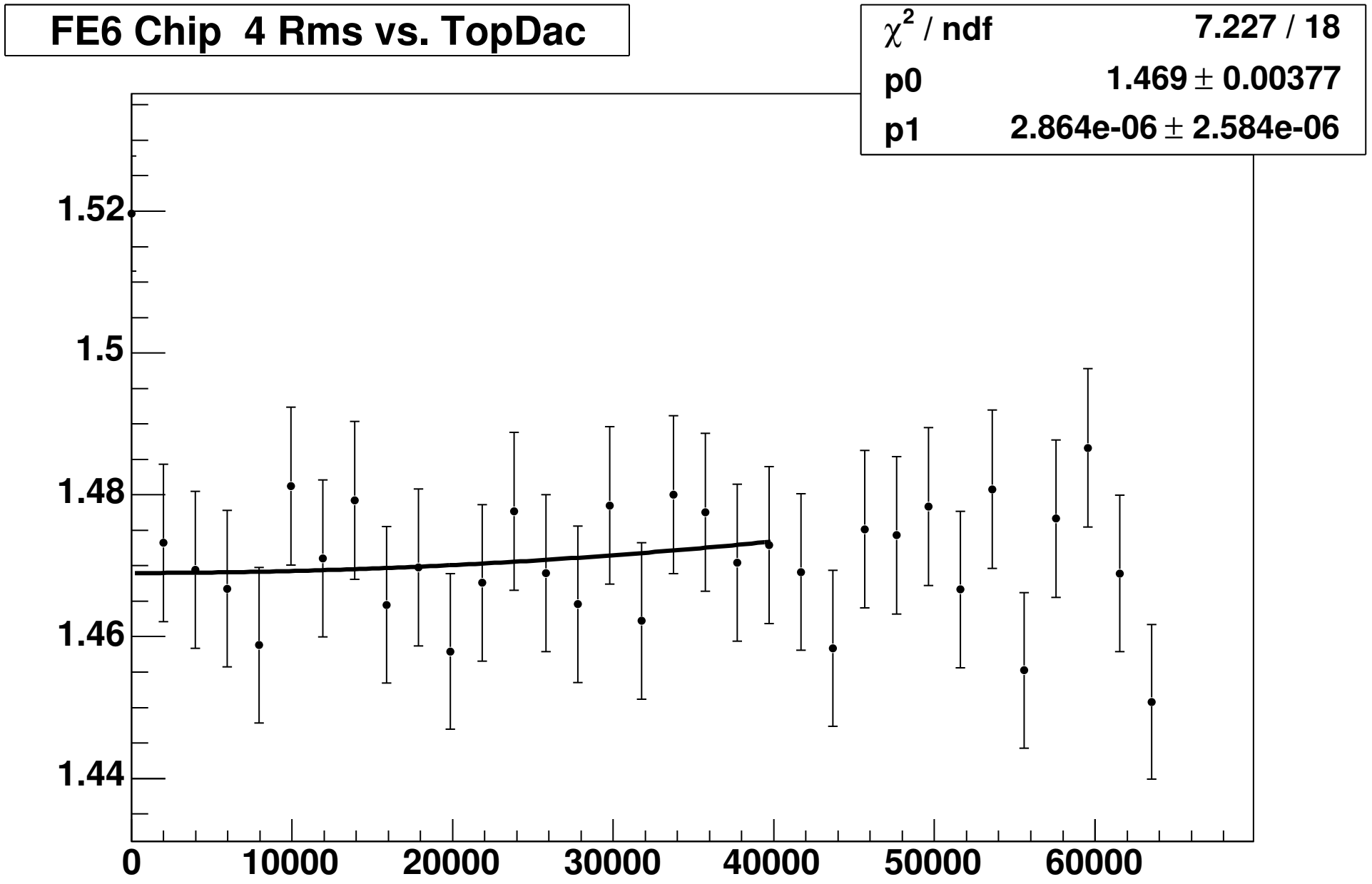
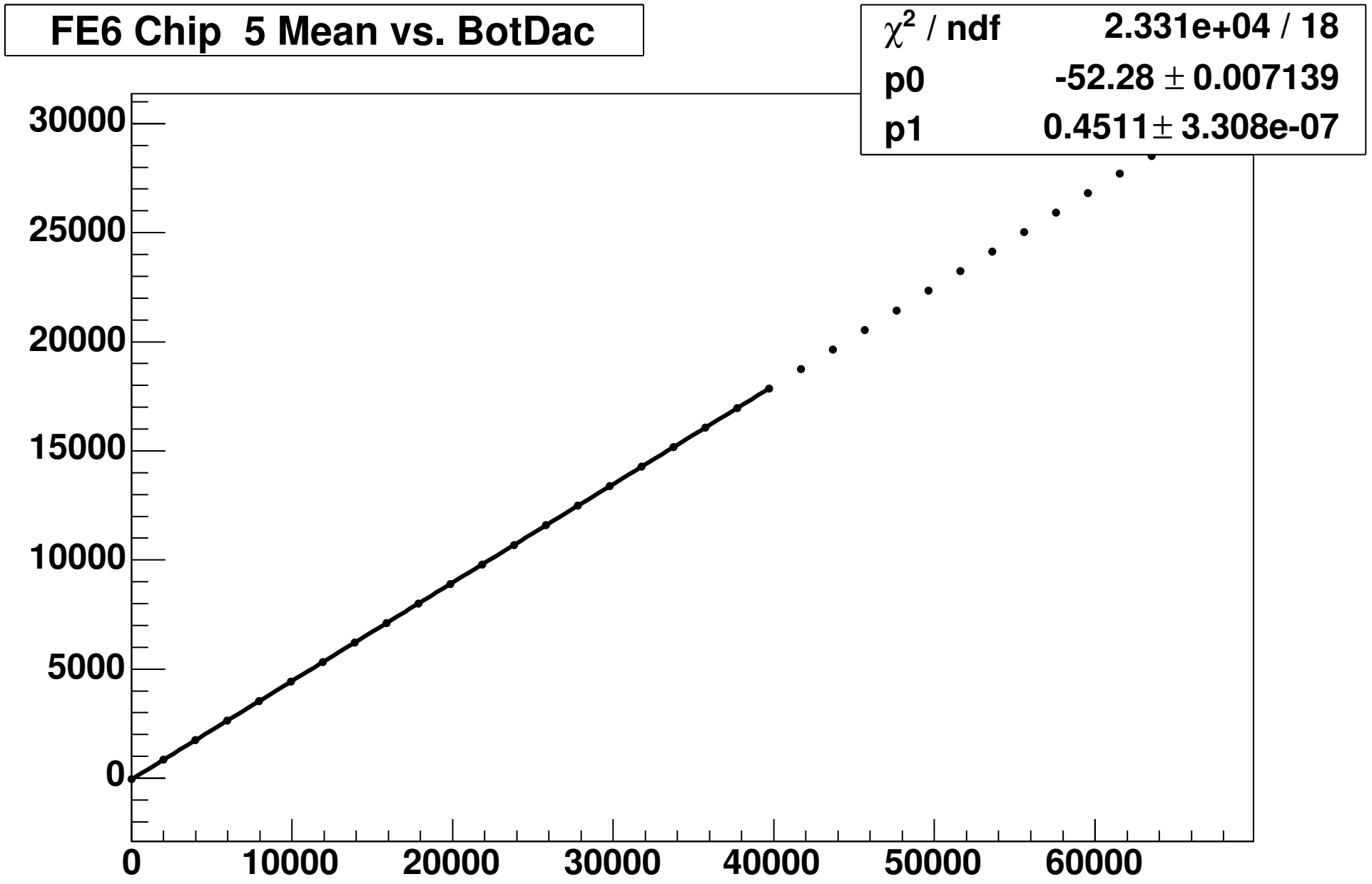
60000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 7.227 / 18
p0 1.469 ± 0.00377
p1 2.864e-06 ± 2.584e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 2.331e+04 / 18
p0 -52.28 ± 0.007139
p1 0.4511 ± 3.308e-07
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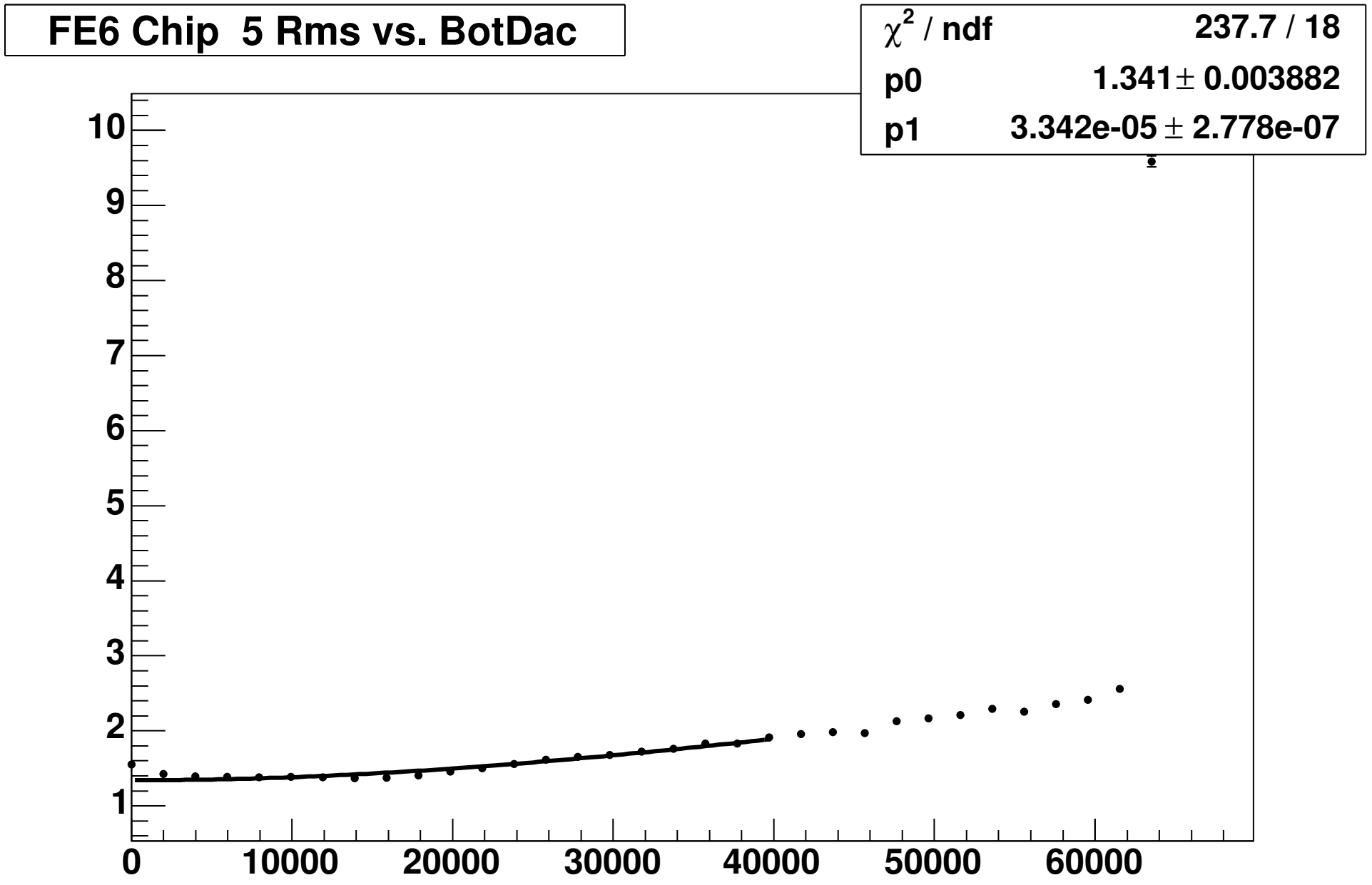
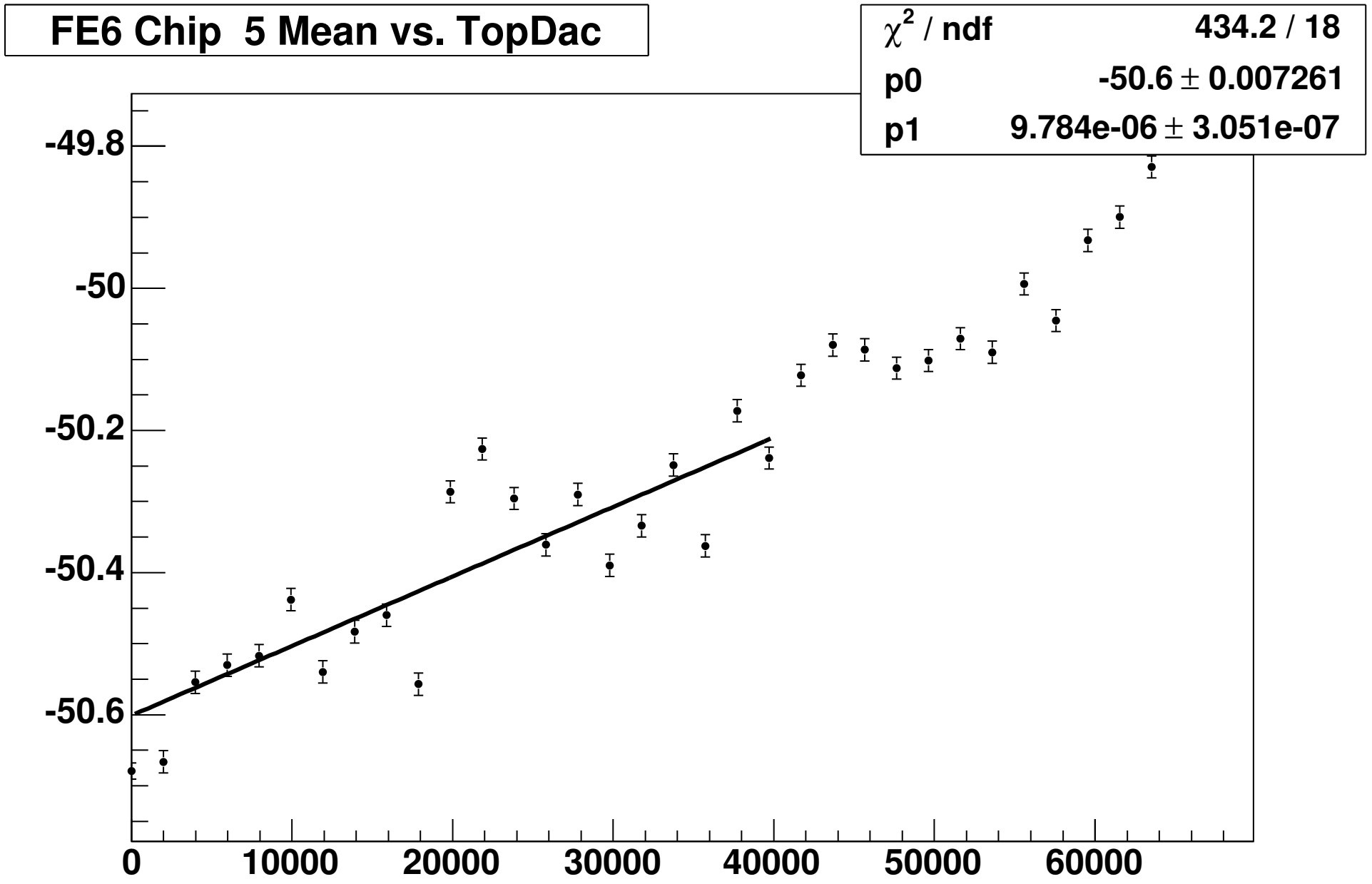
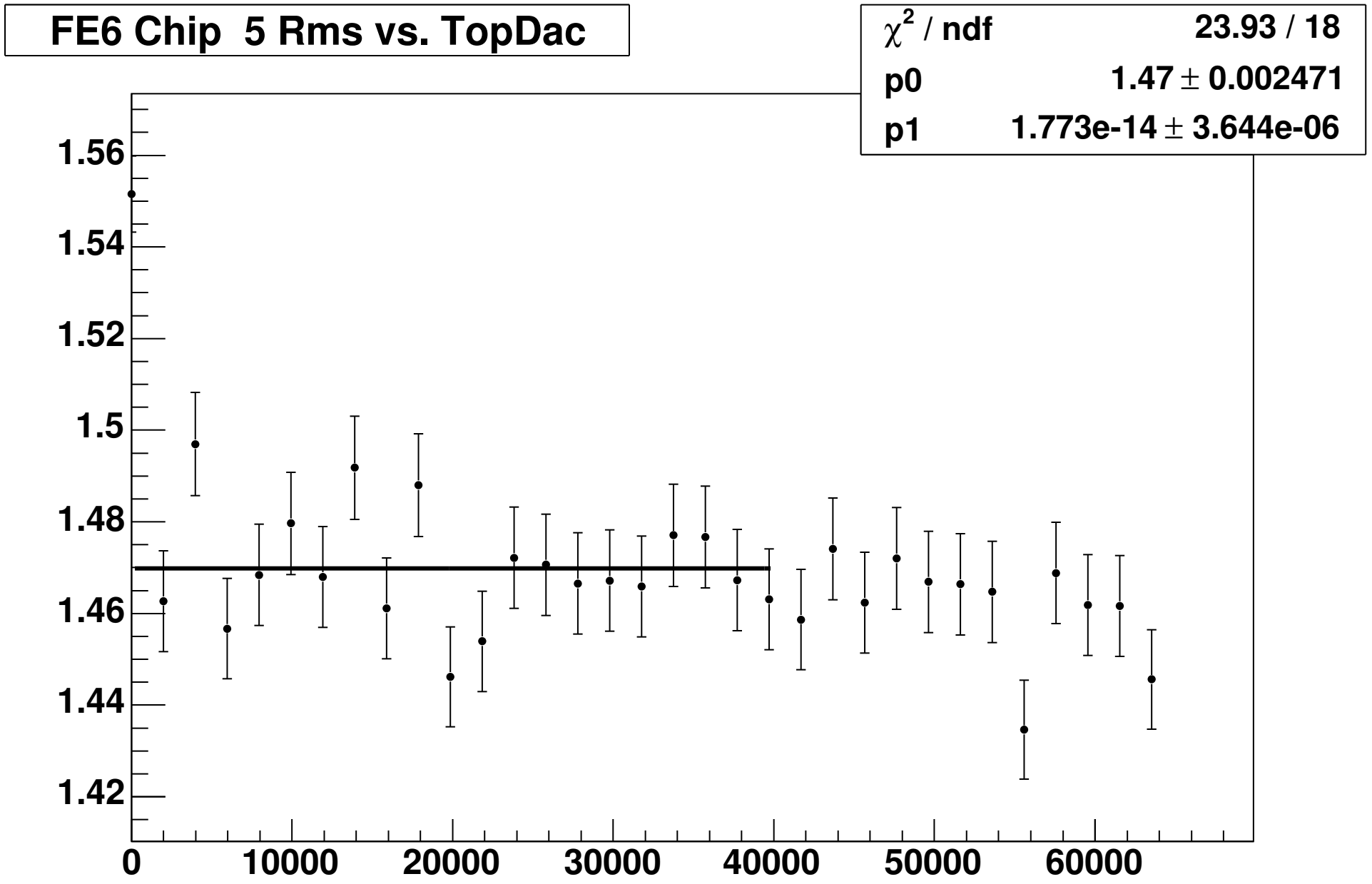
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 237.7 / 18
p0 1.341 ± 0.003882
p1 3.342e-05 ± 2.778e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 434.2 / 18
p0 -50.6 ± 0.007261
p1 9.784e-06 ± 3.051e-07
-49.8
-50
-50.2
-50.4
-50.6
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 23.93 / 18
p0 1.47 ± 0.002471
p1 1.773e-14 ± 3.644e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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50000
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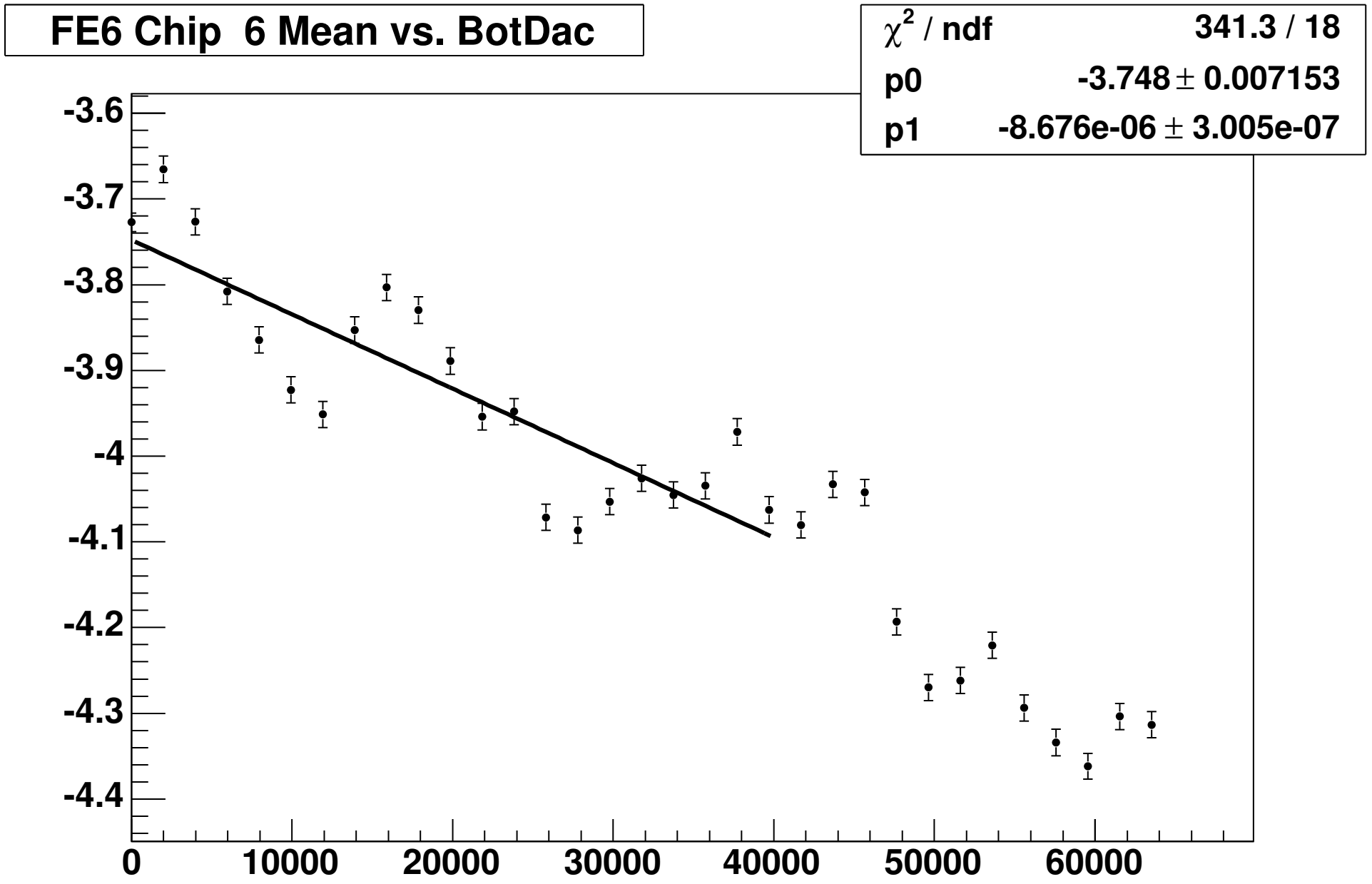
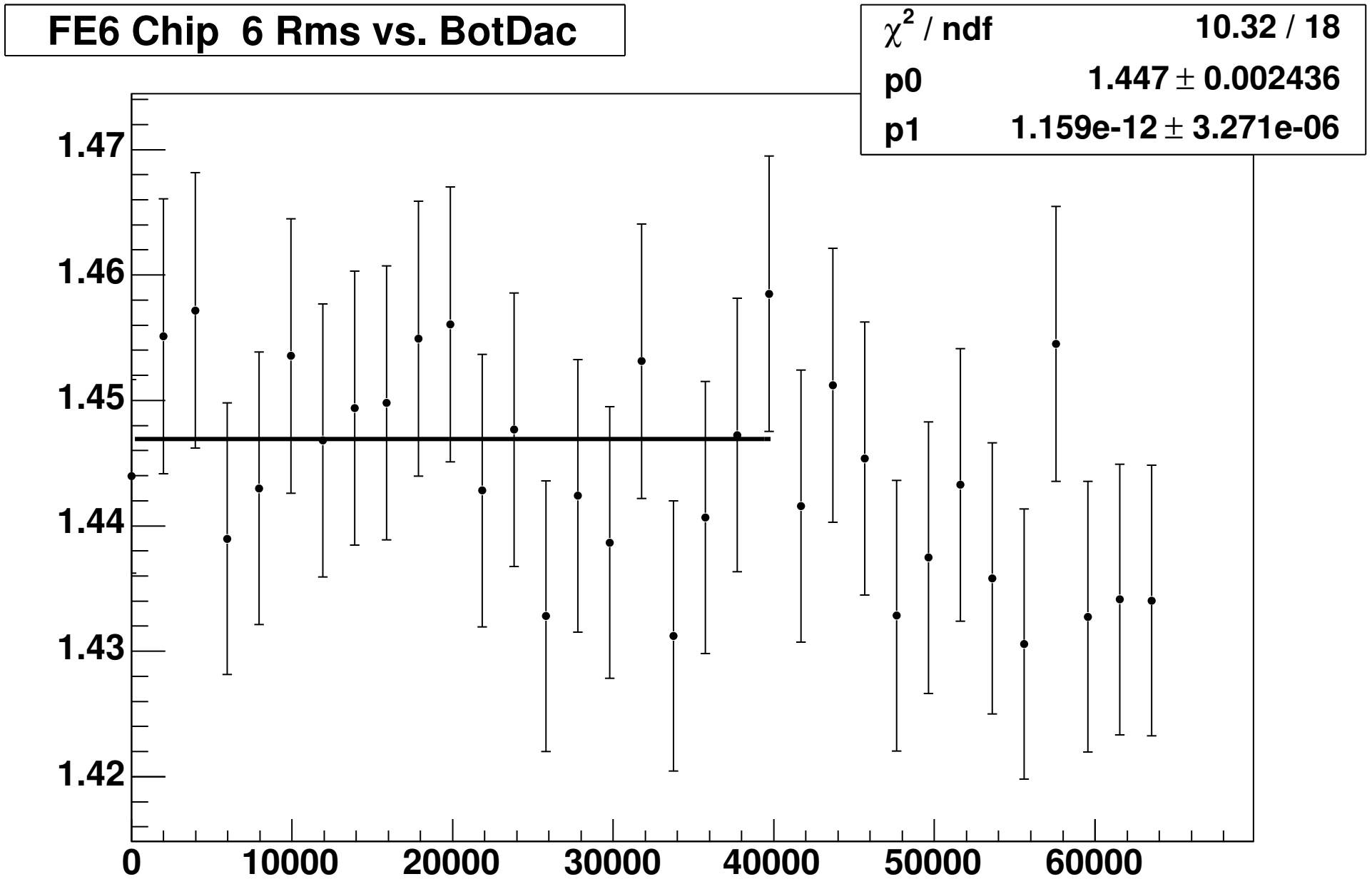
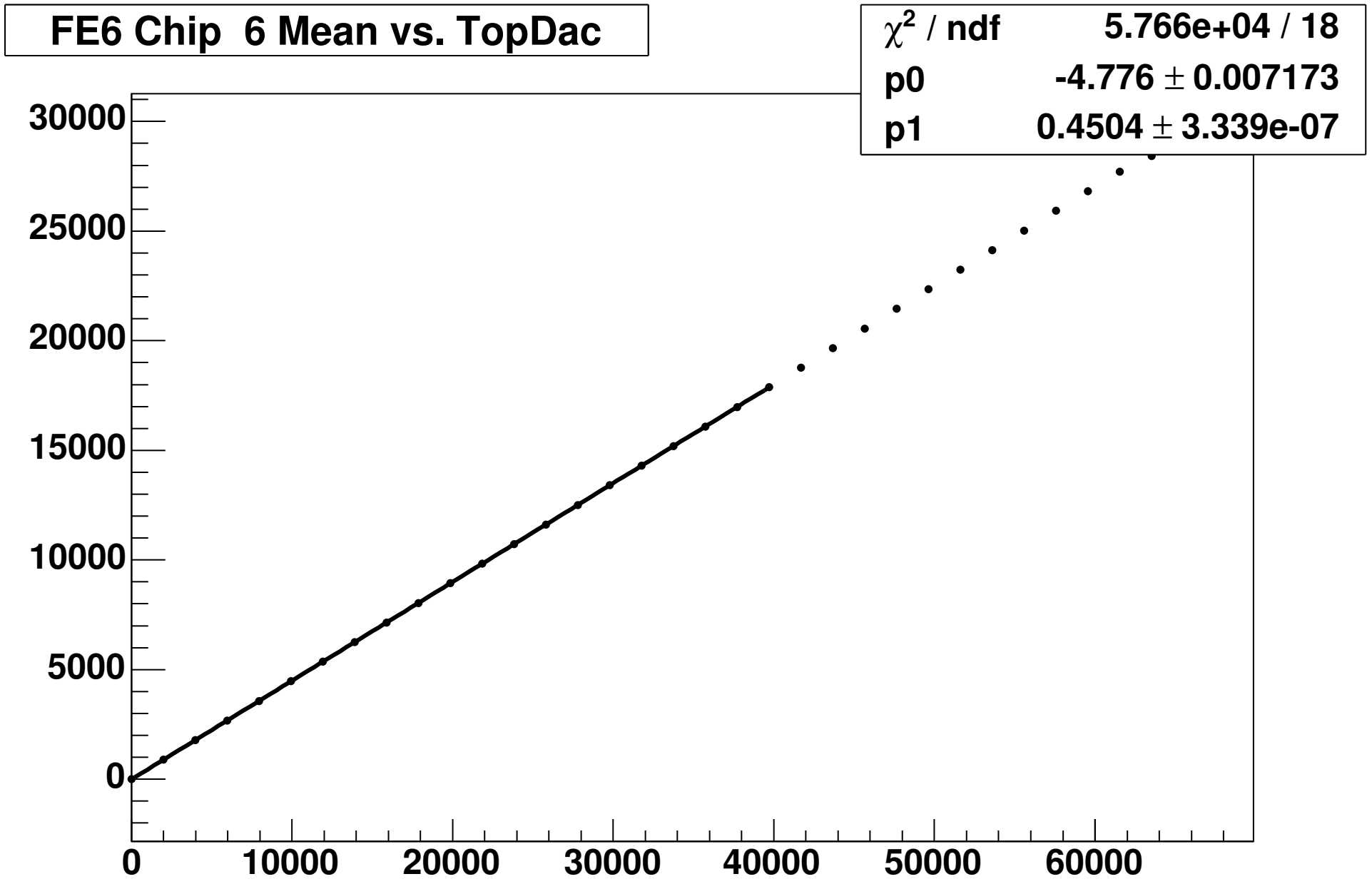

FE6 Chip 6 Mean vs. BotDac
χ^2 / ndf 341.3 / 18
p0 -3.748 ± 0.007153
p1 -8.676e-06 ± 3.005e-07
-3.6
-3.7
-3.8
-3.9
-4
-4.1
-4.2
-4.3
-4.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 10.32 / 18
p0 1.447 ± 0.002436
p1 1.159e-12 ± 3.271e-06
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 5.766e+04 / 18
p0 -4.776 ± 0.007173
p1 0.4504 ± 3.339e-07
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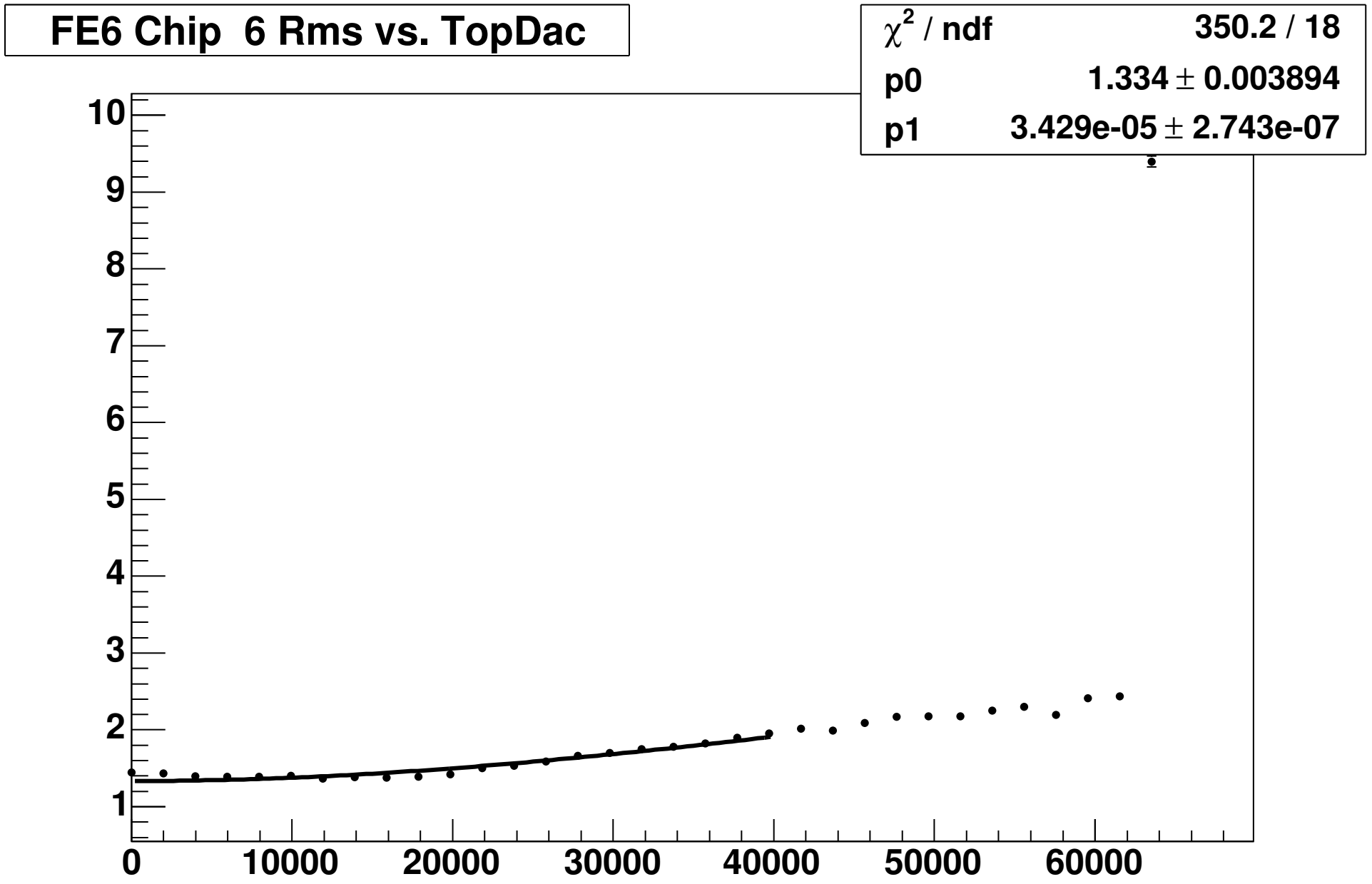
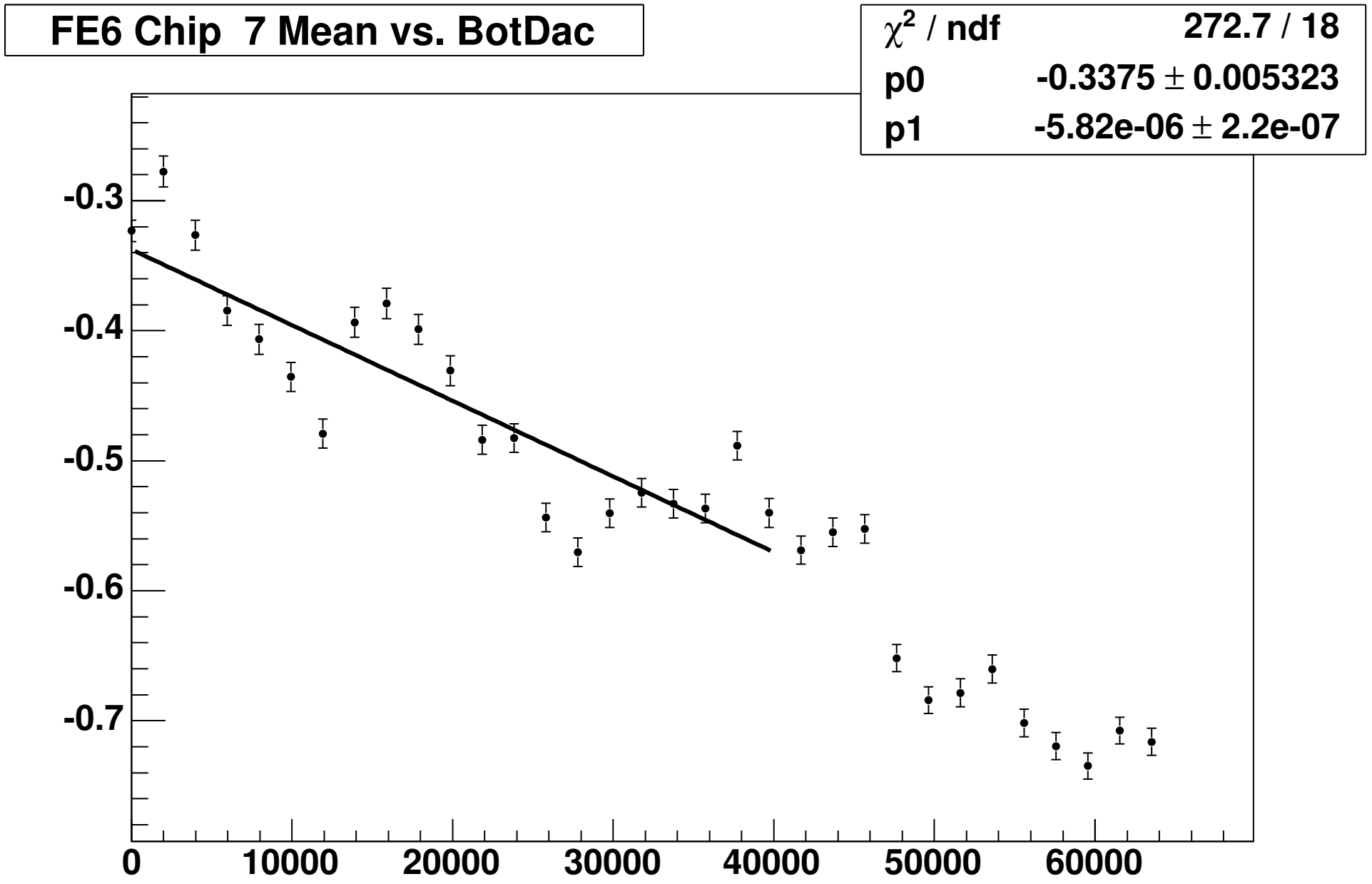
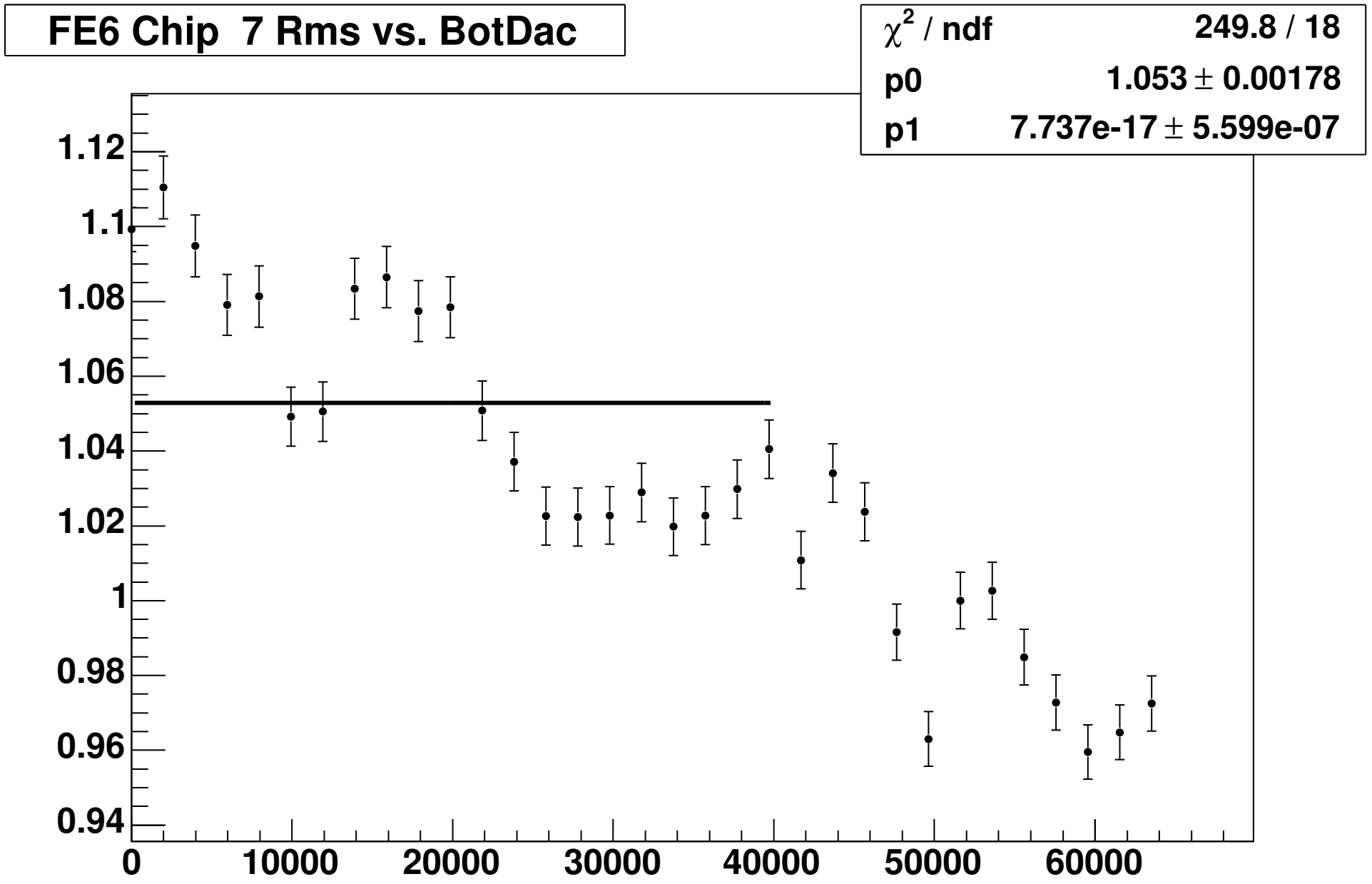
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 350.2 / 18
p0 1.334 ± 0.003894
p1 3.429e-05 ± 2.743e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 272.7 / 18
p0 -0.3375 ± 0.005323
p1 -5.82e-06 ± 2.2e-07
-0.3
-0.4
-0.5
-0.6
-0.7
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 249.8 / 18
p0 1.053 ± 0.00178
p1 7.737e-17 ± 5.599e-07
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0
10000
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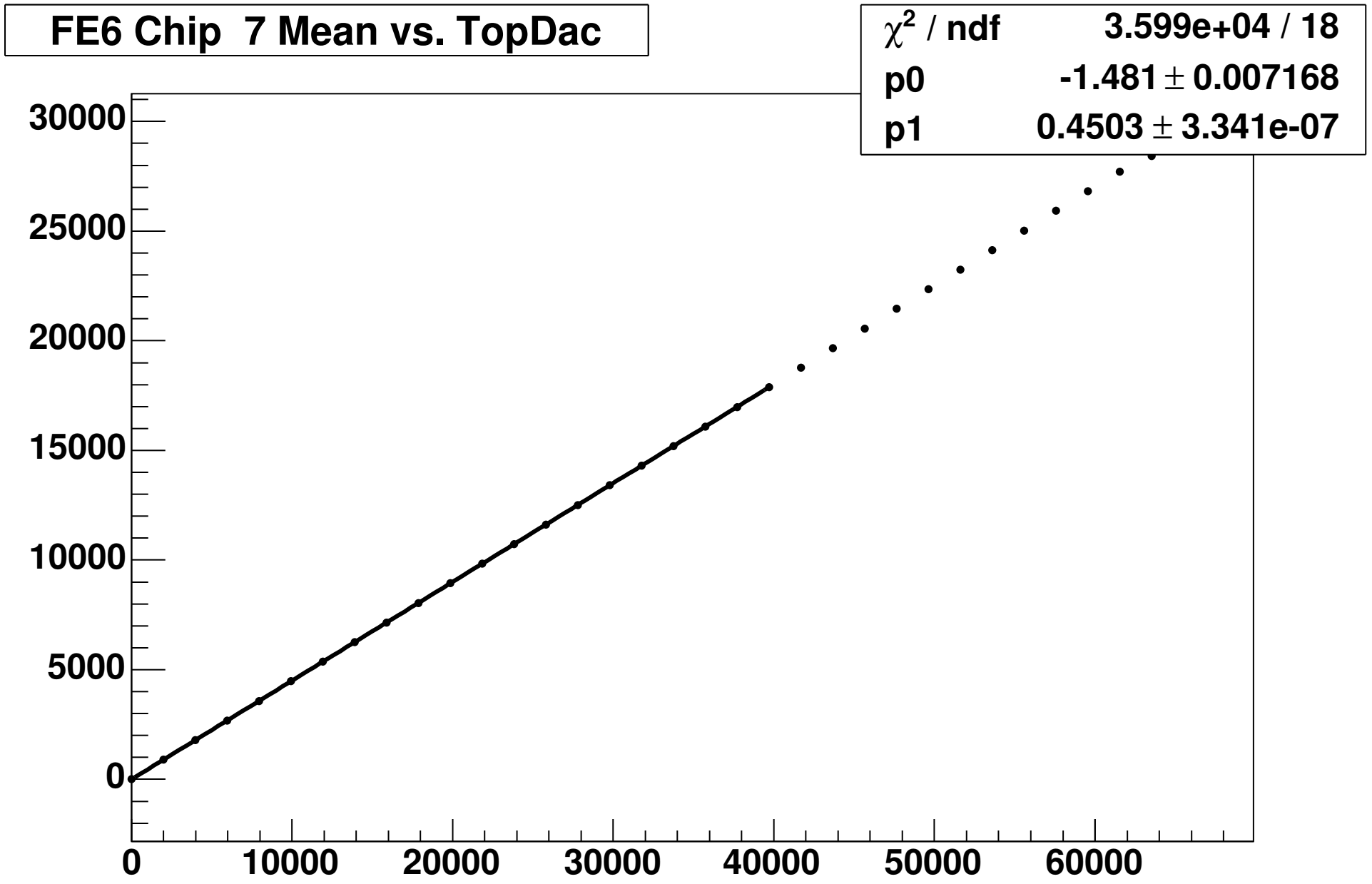
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 3.599e+04 / 18
p0 -1.481 ± 0.007168
p1 0.4503 ± 3.341e-07
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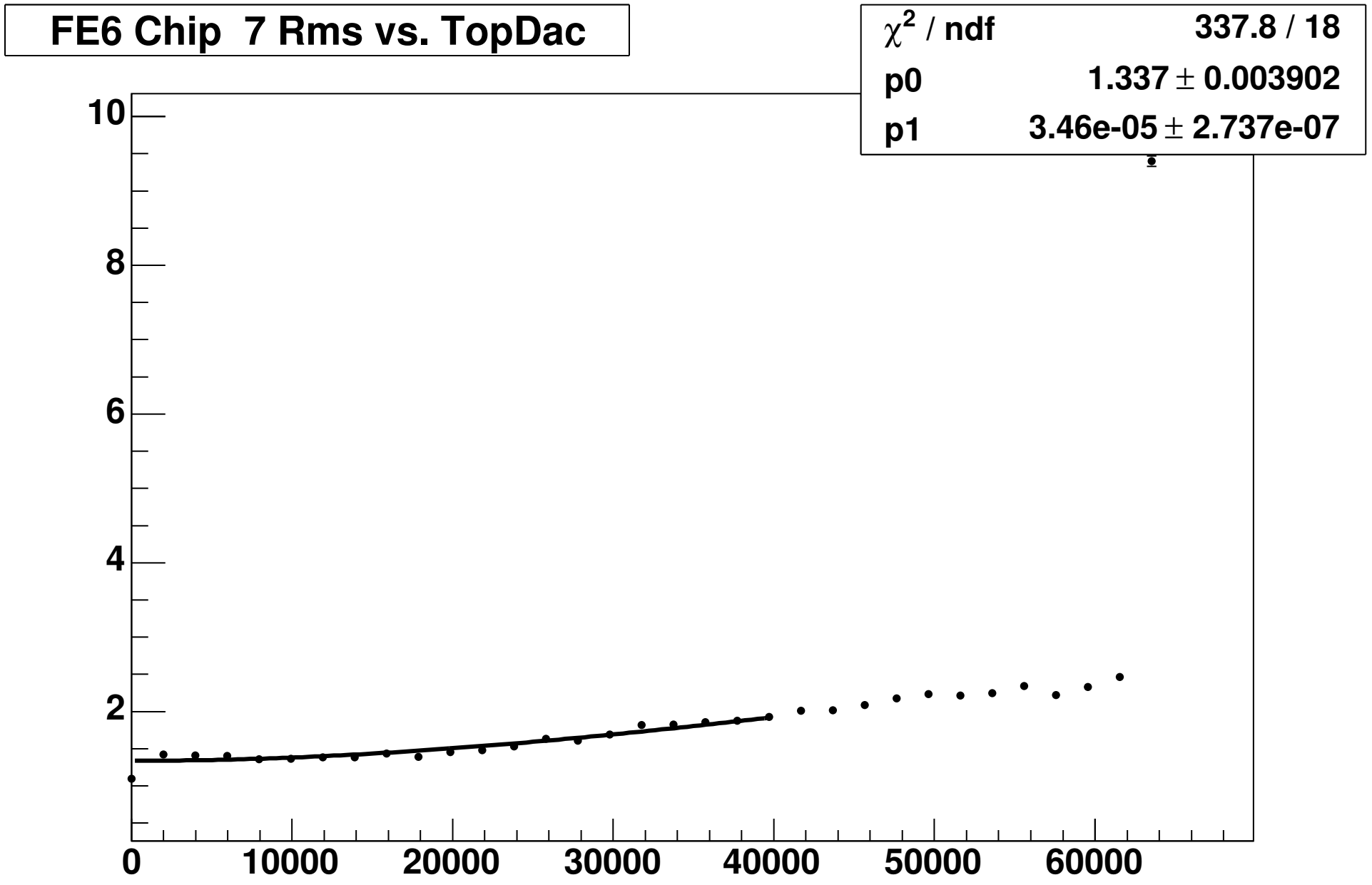
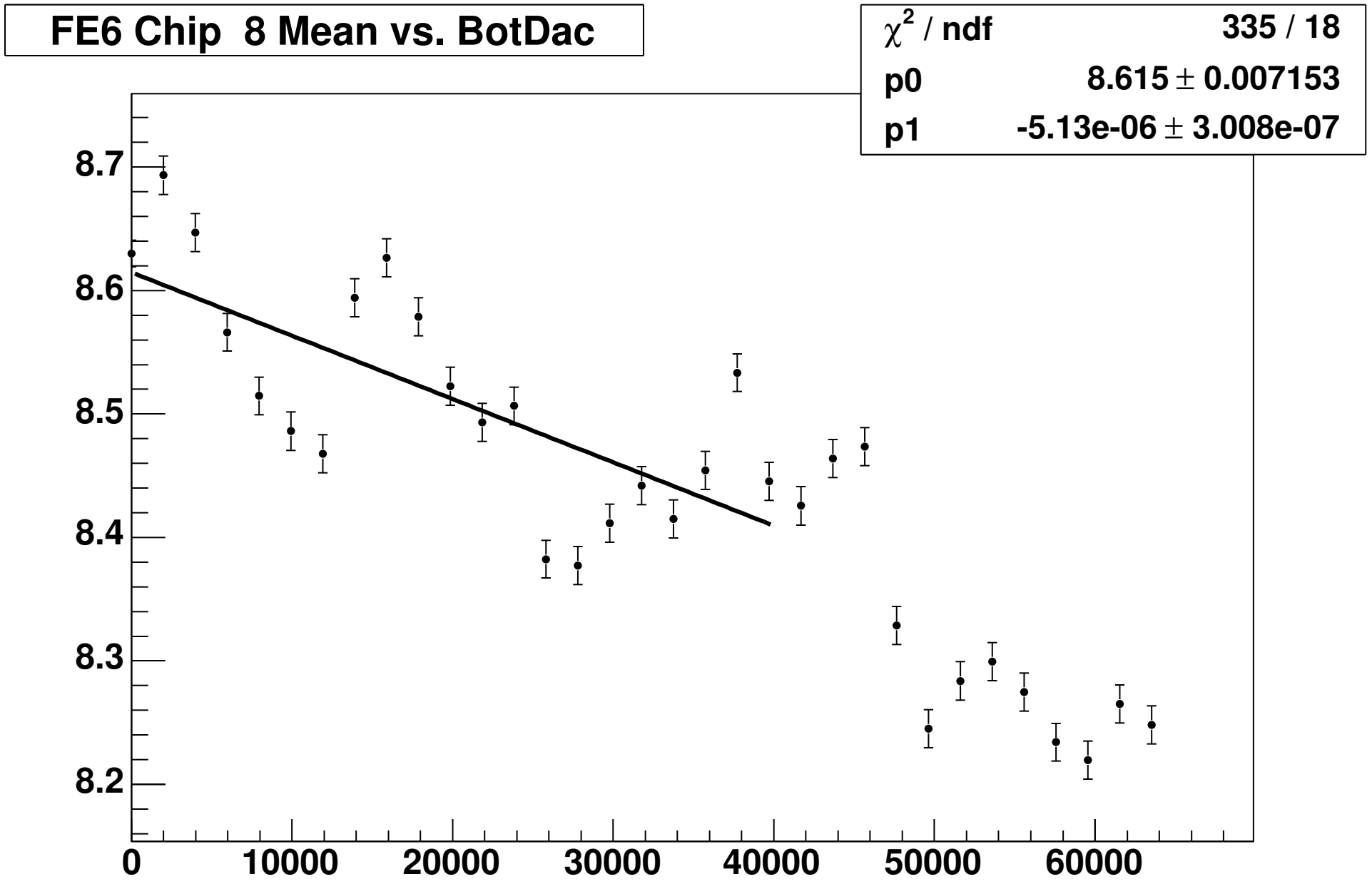
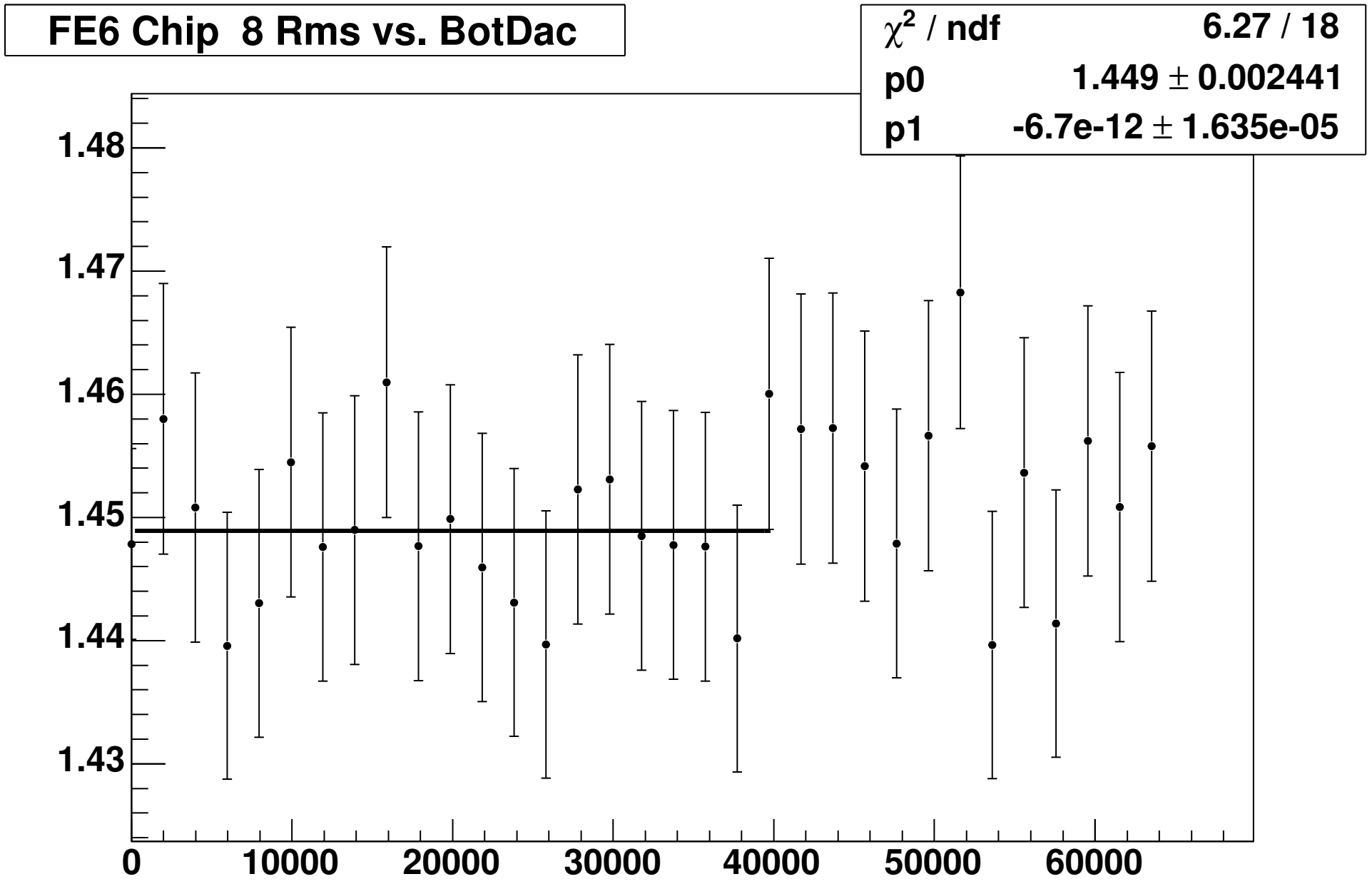
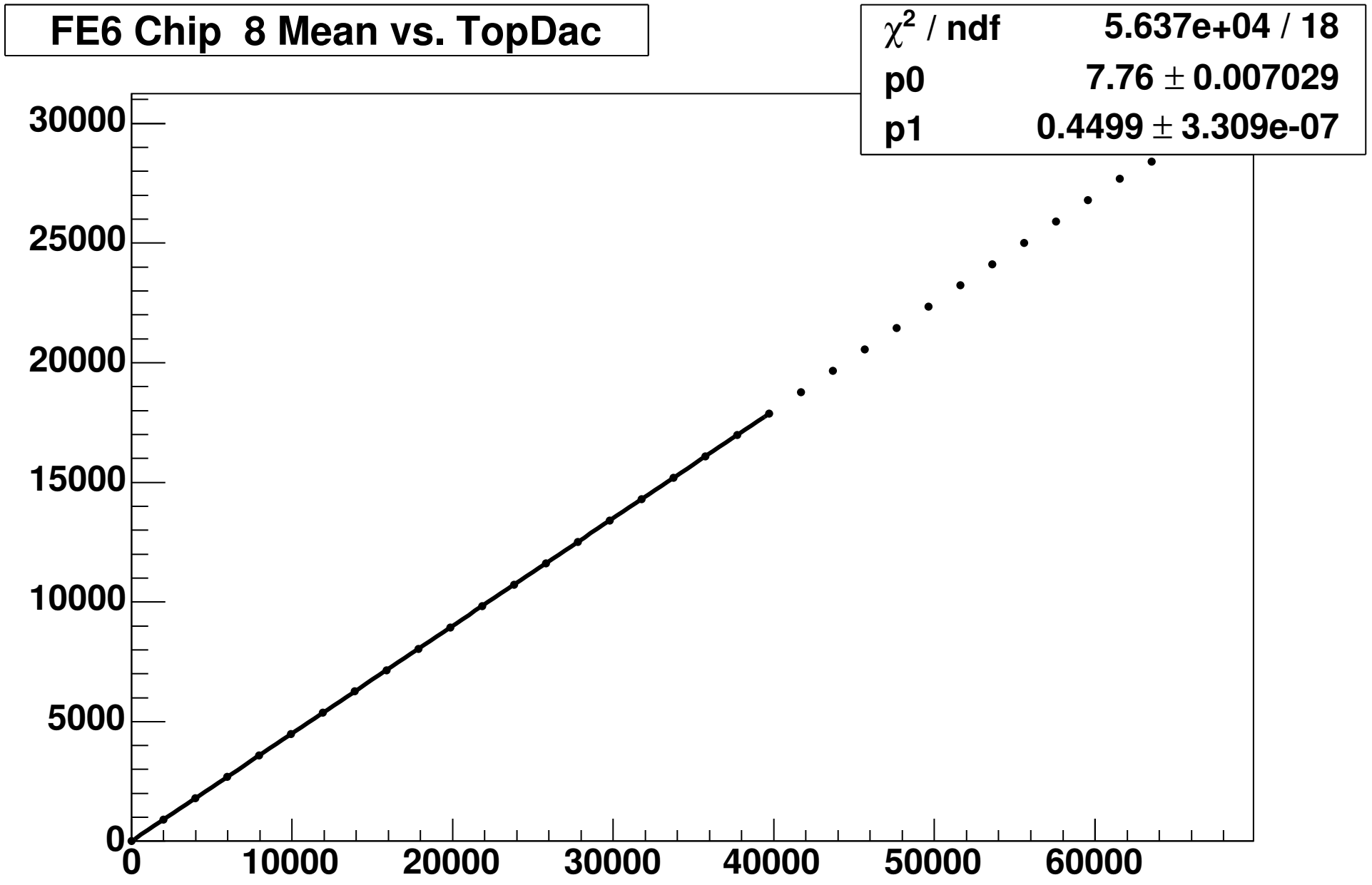
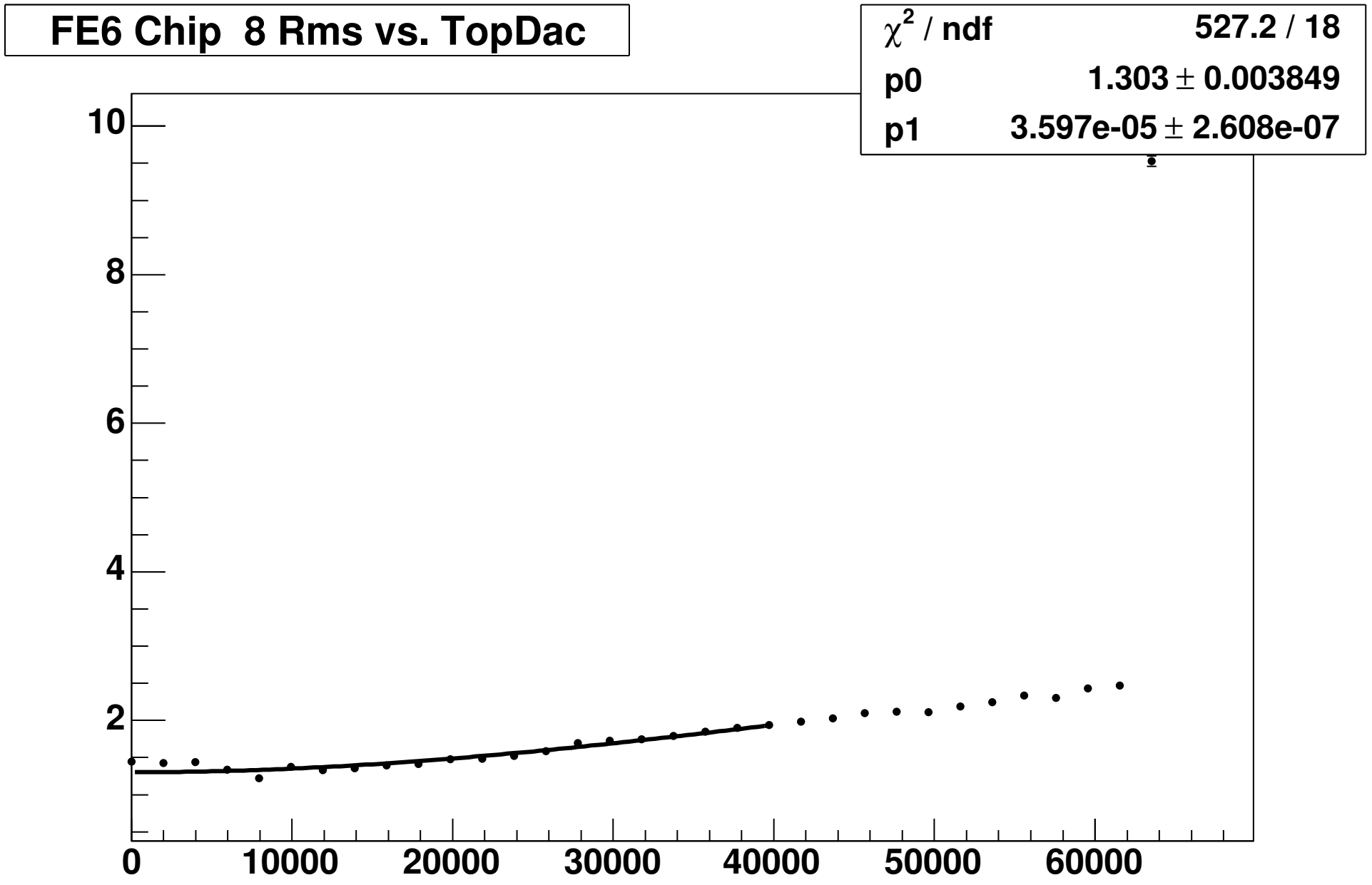
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

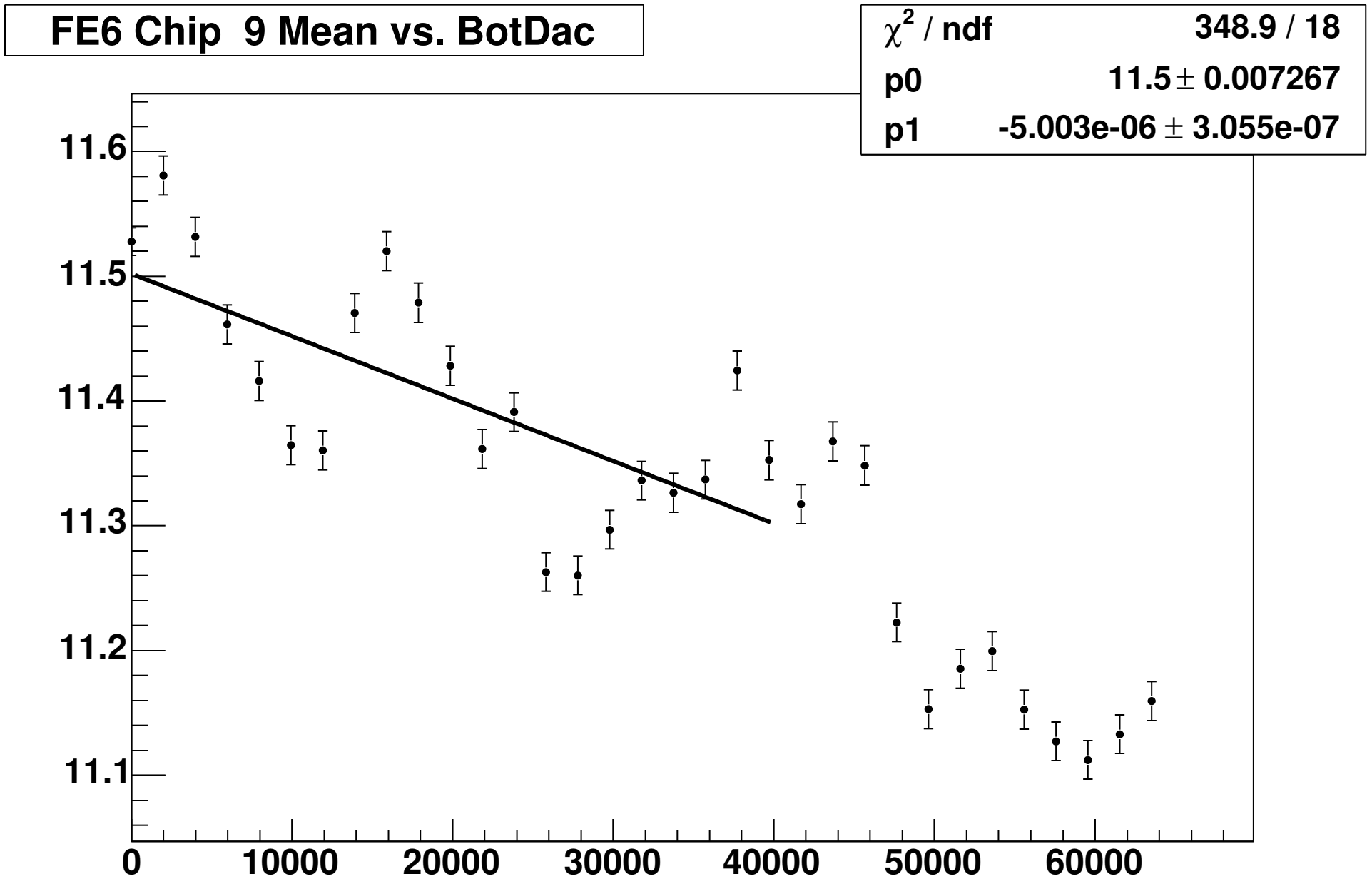

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 337.8 / 18
p0 1.337 ± 0.003902
p1 3.46e-05 ± 2.737e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

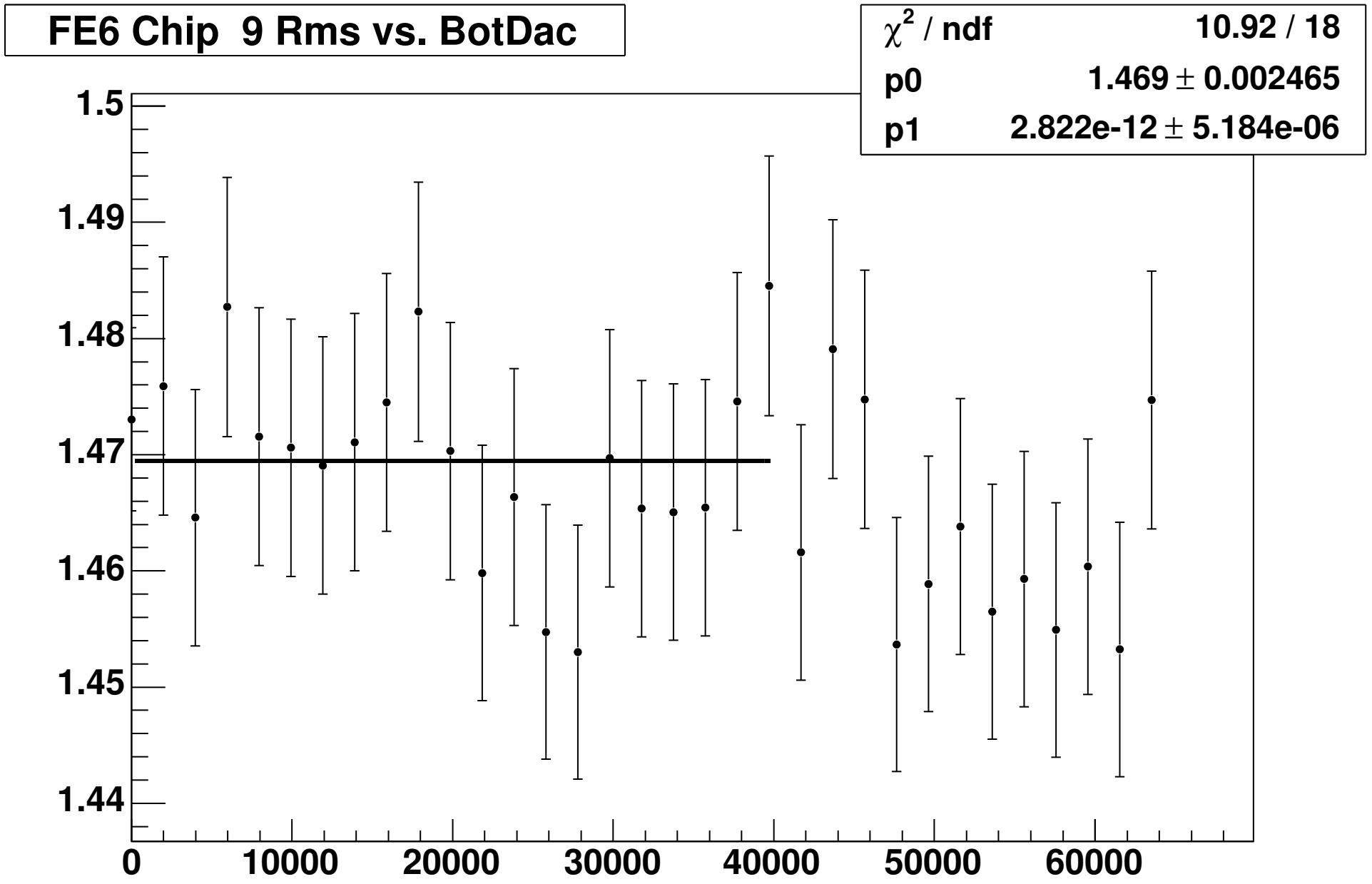

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 335 / 18
p0 8.615 ± 0.007153
p1 -5.13e-06 ± 3.008e-07
8.7
8.6
8.5
8.4
8.3
8.2
0
10000
20000
30000
40000
50000
60000

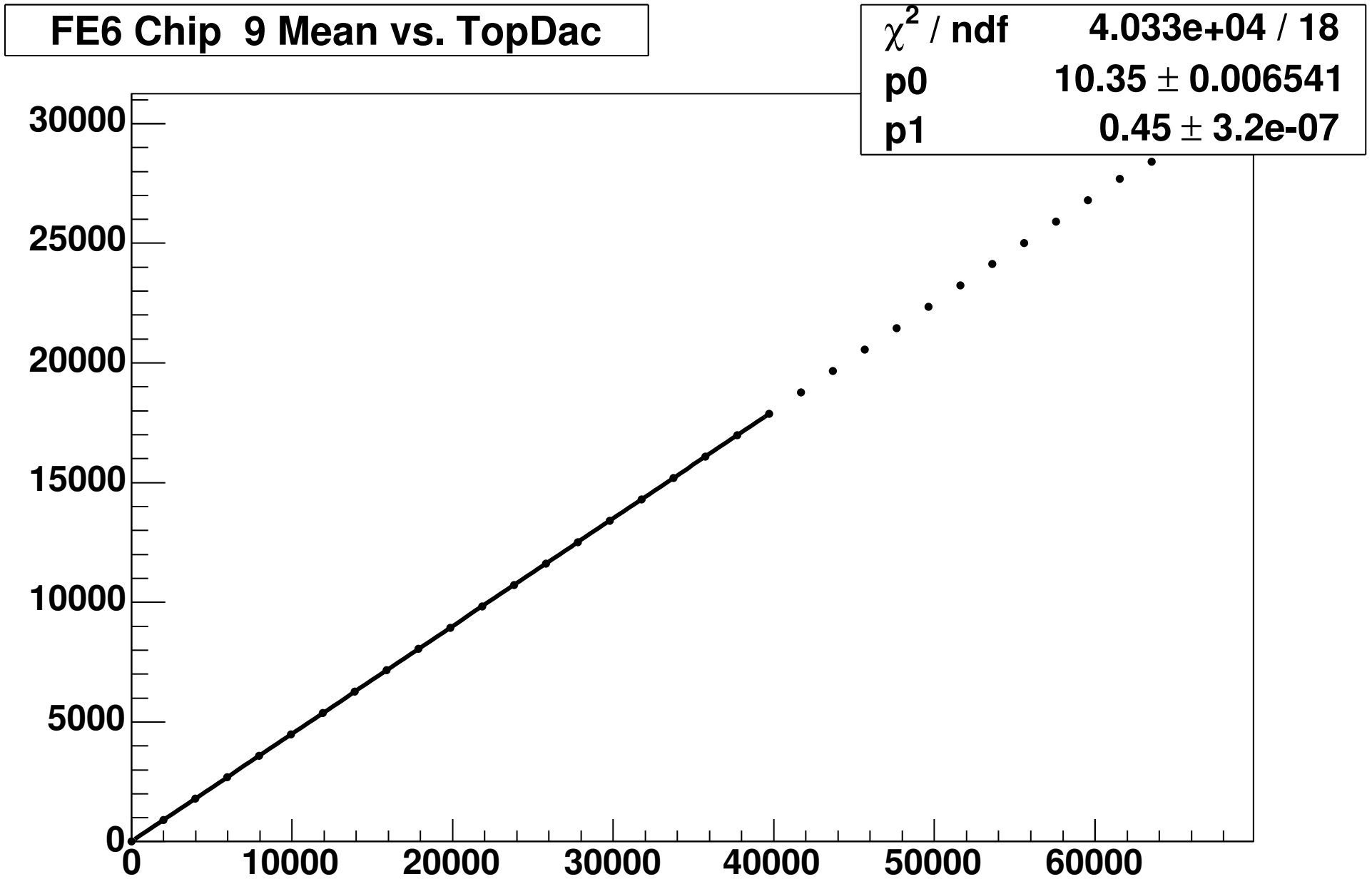

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 6.27 / 18
p0 1.449 ± 0.002441
p1 -6.7e-12 ± 1.635e-05
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

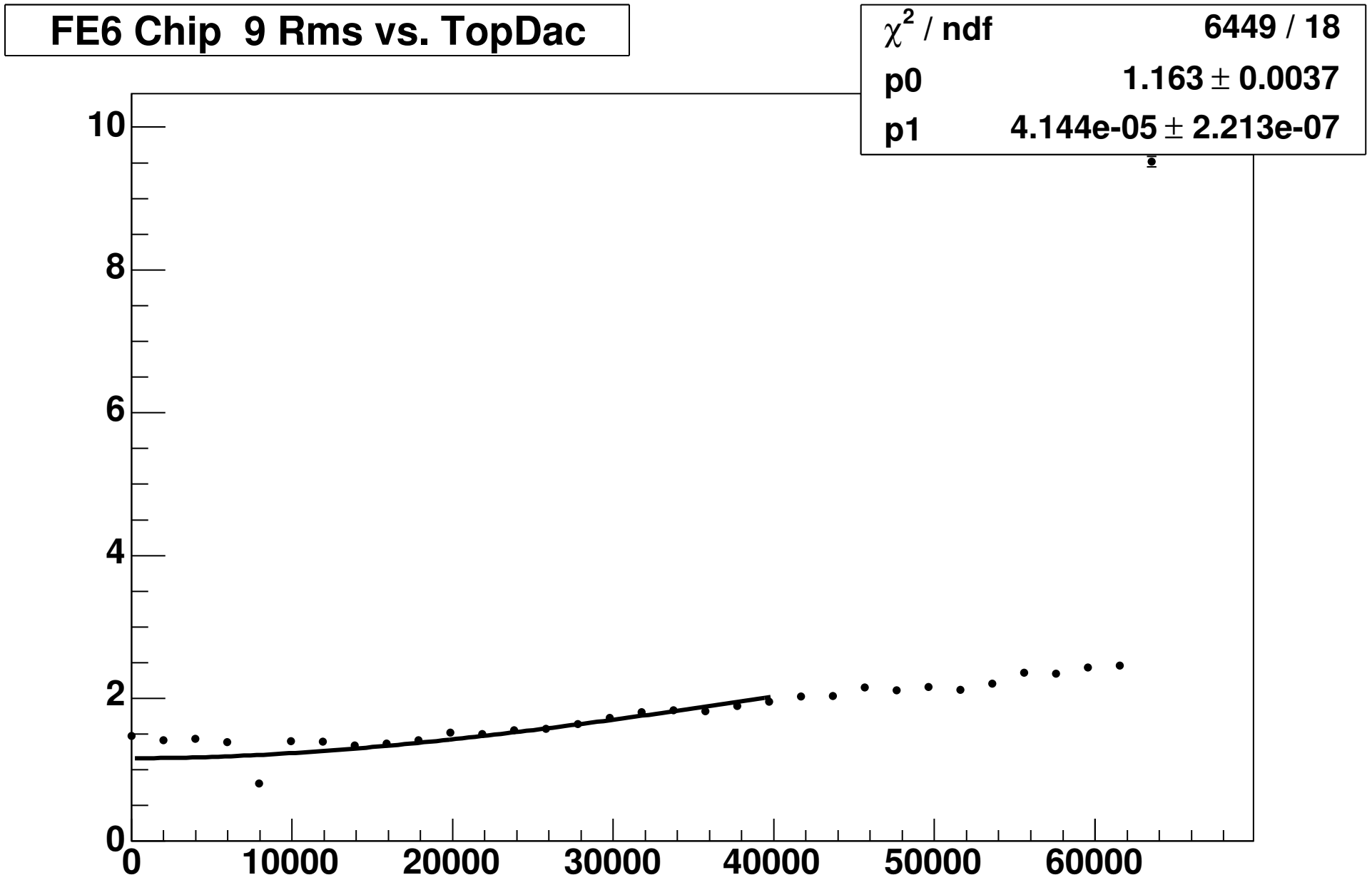

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 5.637e+04 / 18
p0 7.76 ± 0.007029
p1 0.4499 ± 3.309e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

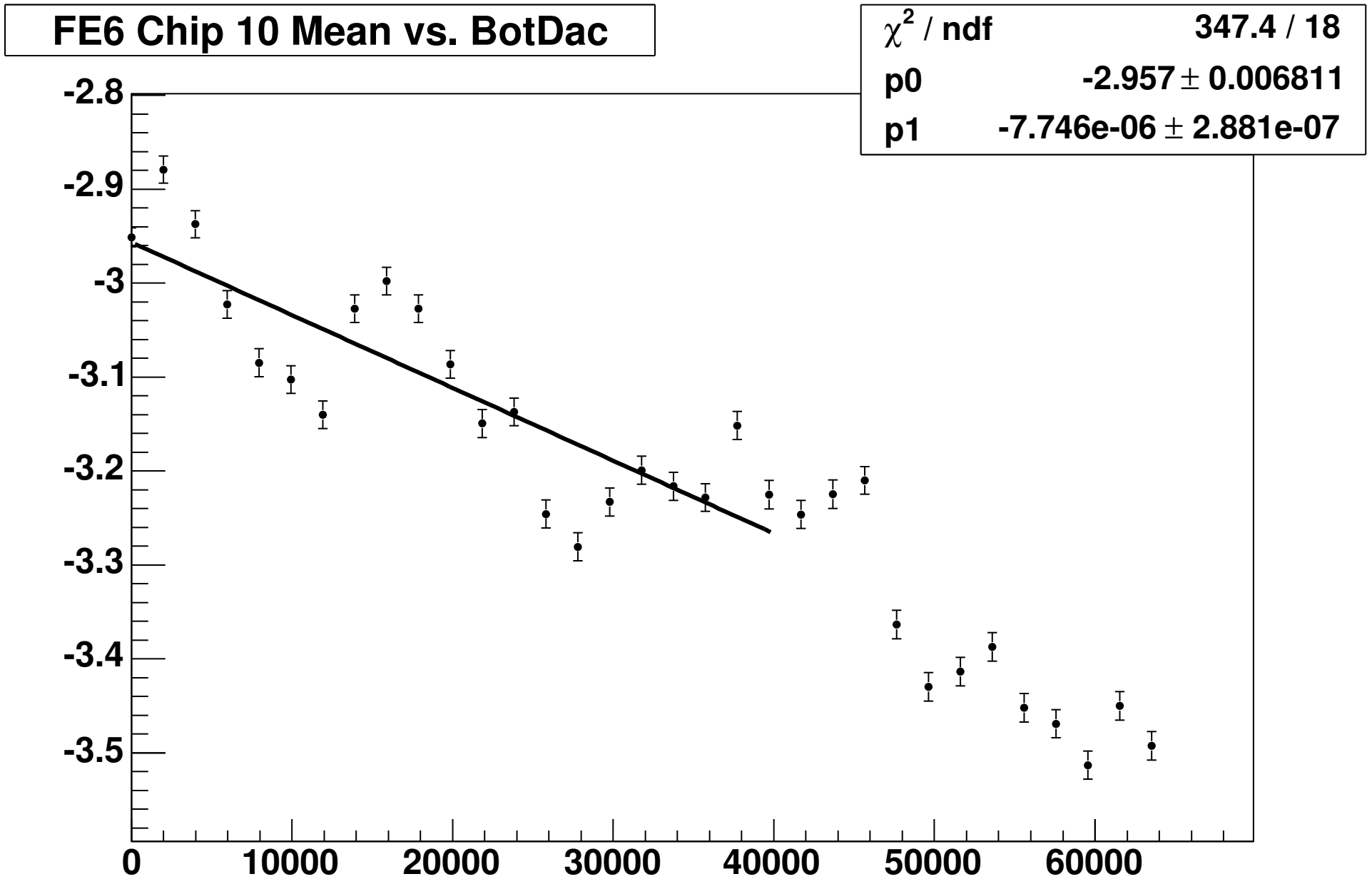

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 527.2 / 18
p0 1.303 ± 0.003849
p1 3.597e-05 ± 2.608e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

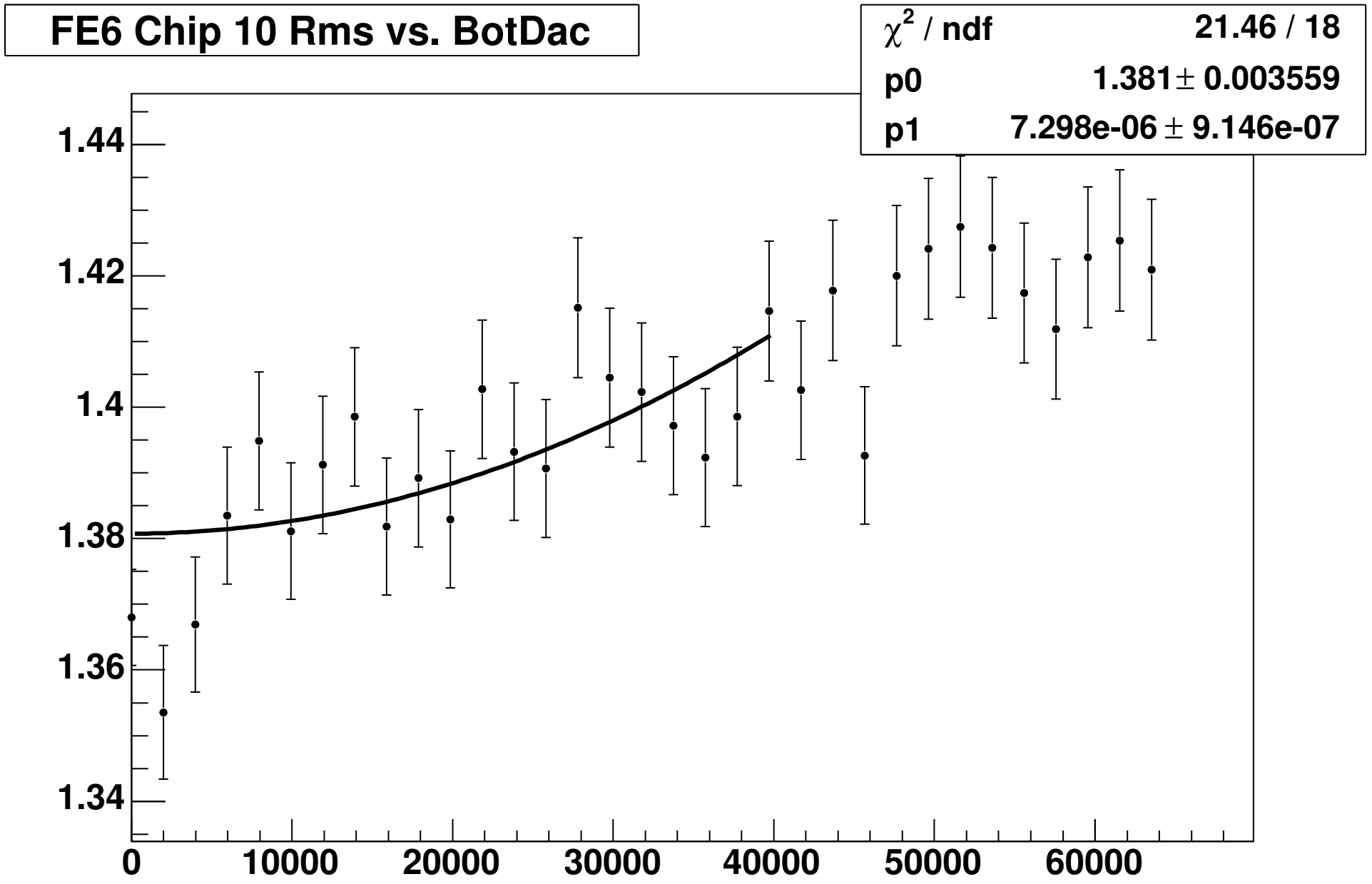

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 348.9 / 18
p0 11.5 ± 0.007267
p1 -5.003e-06 ± 3.055e-07
11.6
11.5
11.4
11.3
11.2
11.1
0
10000
20000
30000
40000
50000
60000

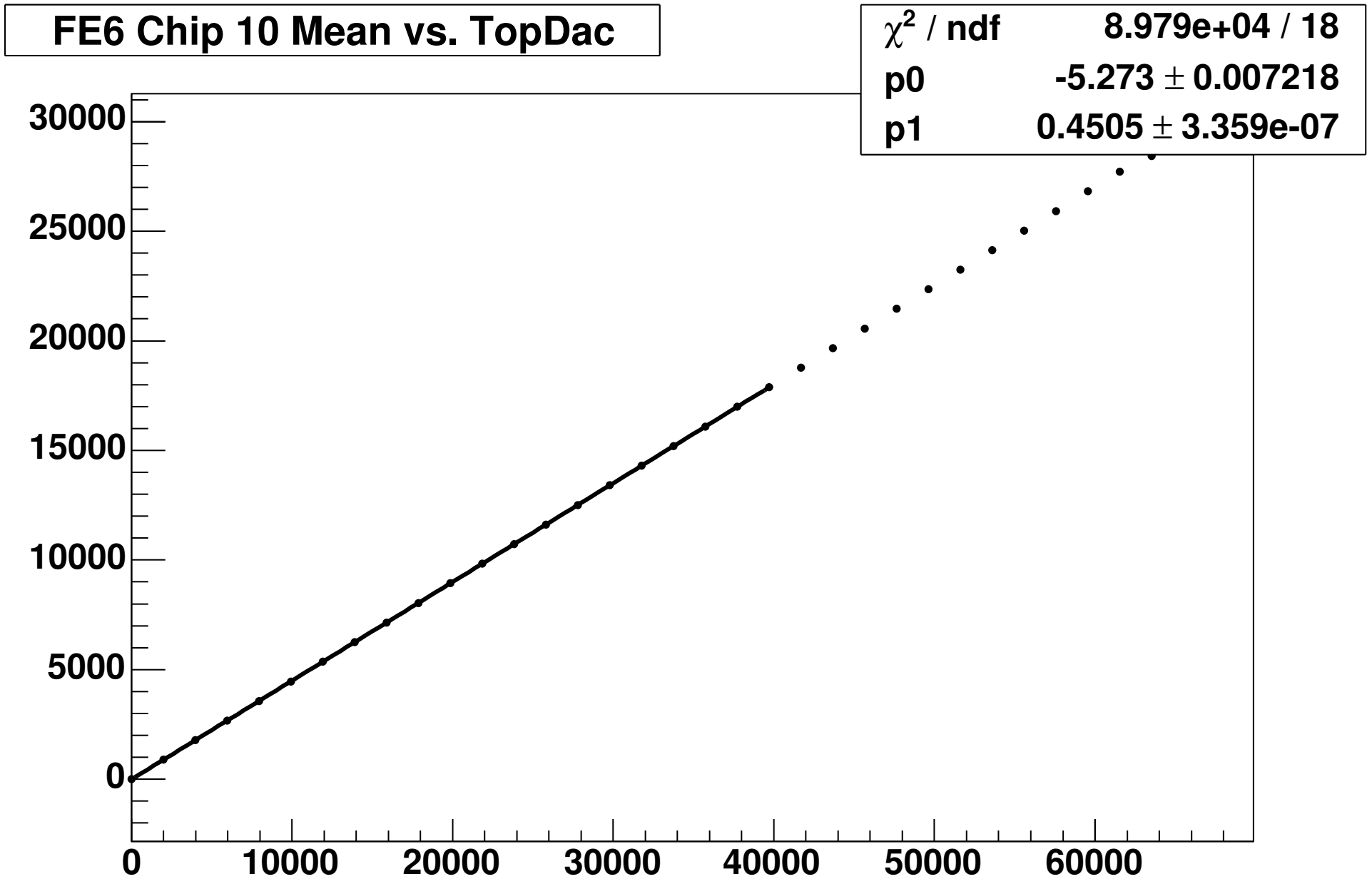

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 10.92 / 18
p0 1.469 ± 0.002465
p1 2.822e-12 ± 5.184e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

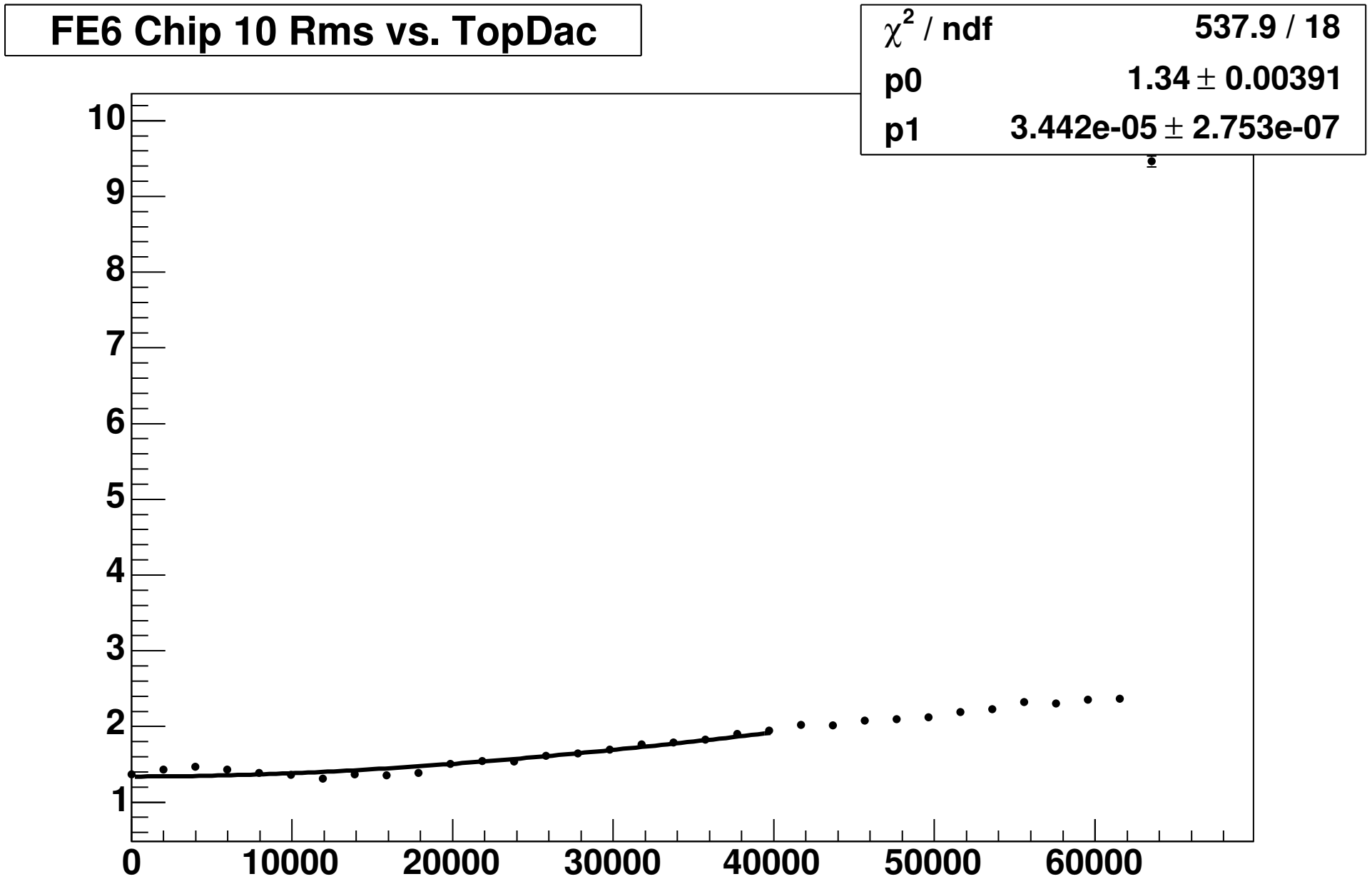

FE6 Chip 9 Mean vs. TopDac
χ^2 / ndf 4.033e+04 / 18
p0 10.35 ± 0.006541
p1 0.45 ± 3.2e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

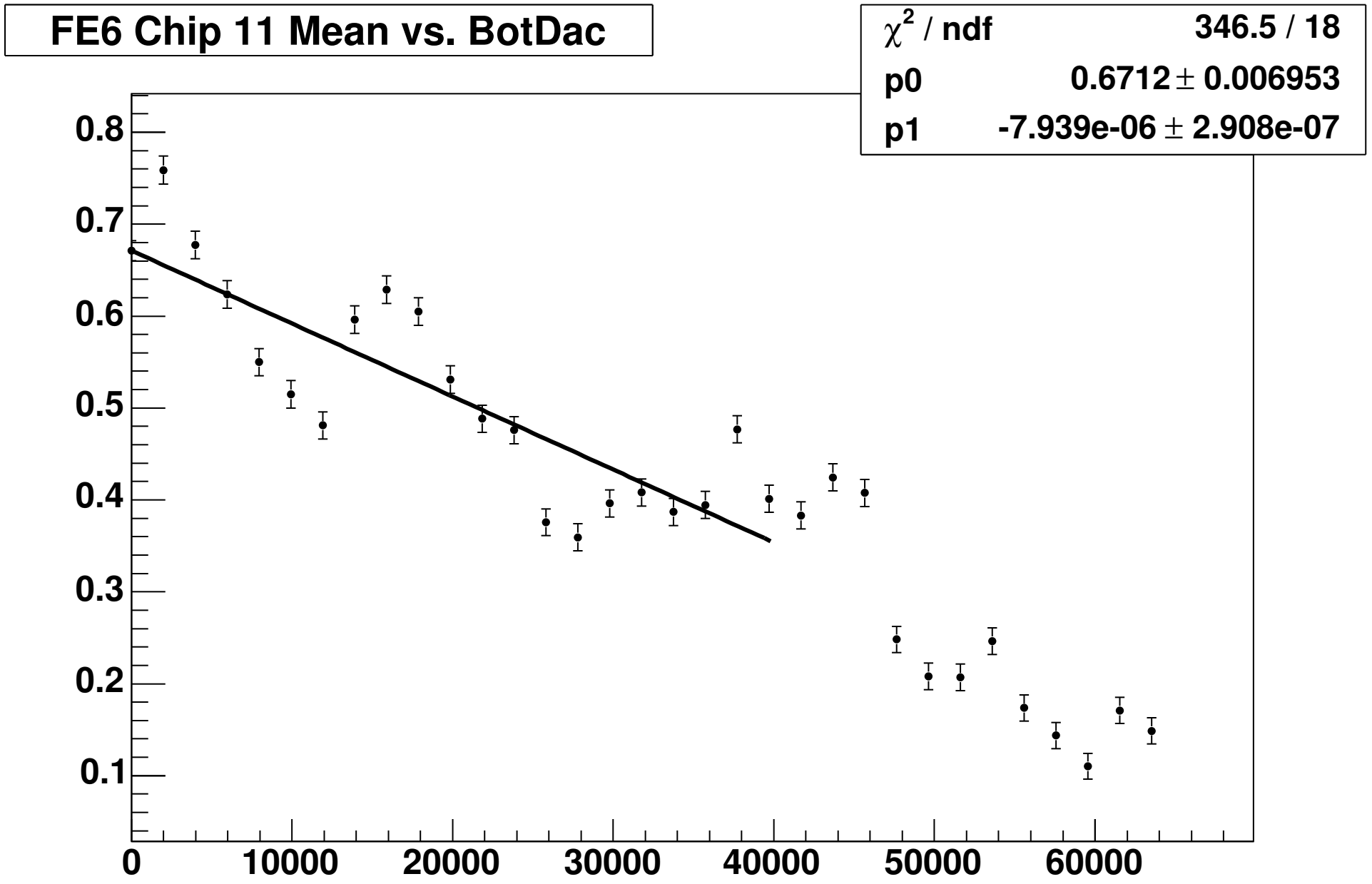

FE6 Chip 9 Rms vs. TopDac
χ² / ndf 6449 / 18
p0 1.163 ± 0.0037
p1 4.144e-05 ± 2.213e-07
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000

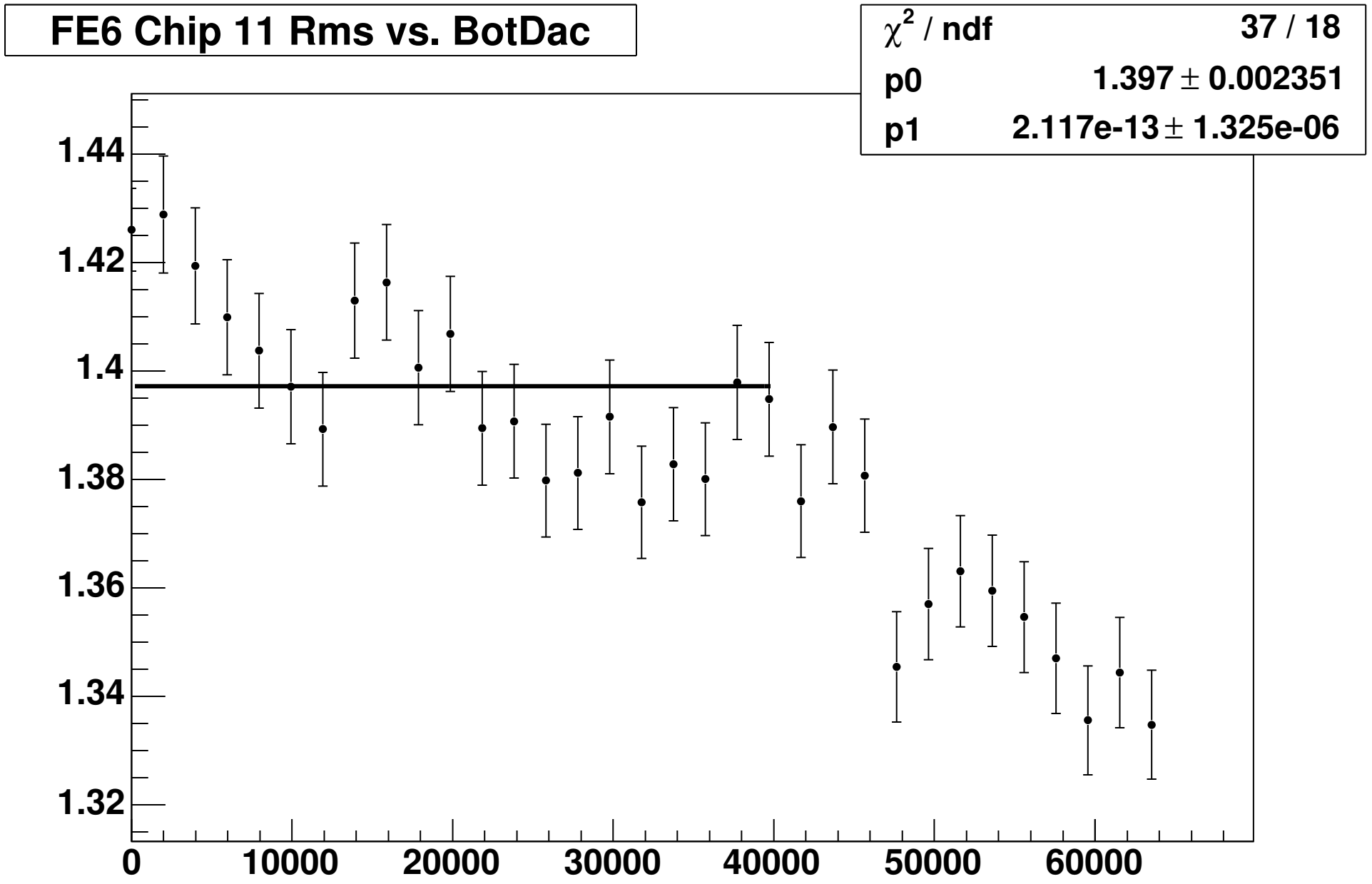

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 347.4 / 18
p0 -2.957 ± 0.006811
p1 -7.746e-06 ± 2.881e-07
-2.8
-2.9
-3
-3.1
-3.2
-3.3
-3.4
-3.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 21.46 / 18
p0 1.381 ± 0.003559
p1 7.298e-06 ± 9.146e-07
1.44
1.42
1.4
1.38
1.36
1.34
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 8.979e+04 / 18
p0 -5.273 ± 0.007218
p1 0.4505 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 537.9 / 18
p0 1.34 ± 0.00391
p1 3.442e-05 ± 2.753e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 346.5 / 18
p0 0.6712 ± 0.006953
p1 -7.939e-06 ± 2.908e-07
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 37 / 18
p0 1.397 ± 0.002351
p1 2.117e-13 ± 1.325e-06
1.44
1.42
1.4
1.38
1.36
1.34
1.32
0
10000
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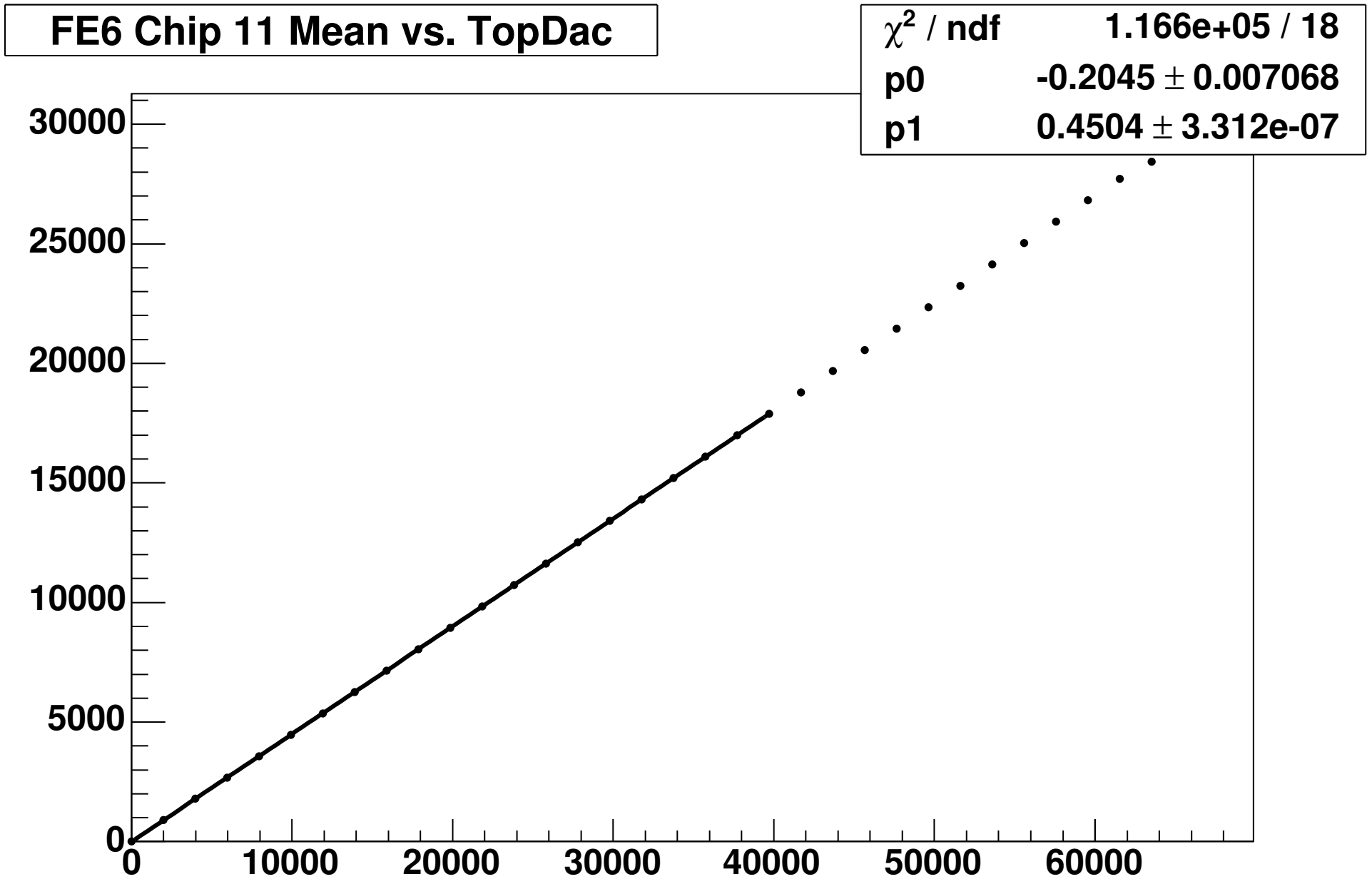
30000
40000
50000
60000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.166e+05 / 18
p0 -0.2045 ± 0.007068
p1 0.4504 ± 3.312e-07
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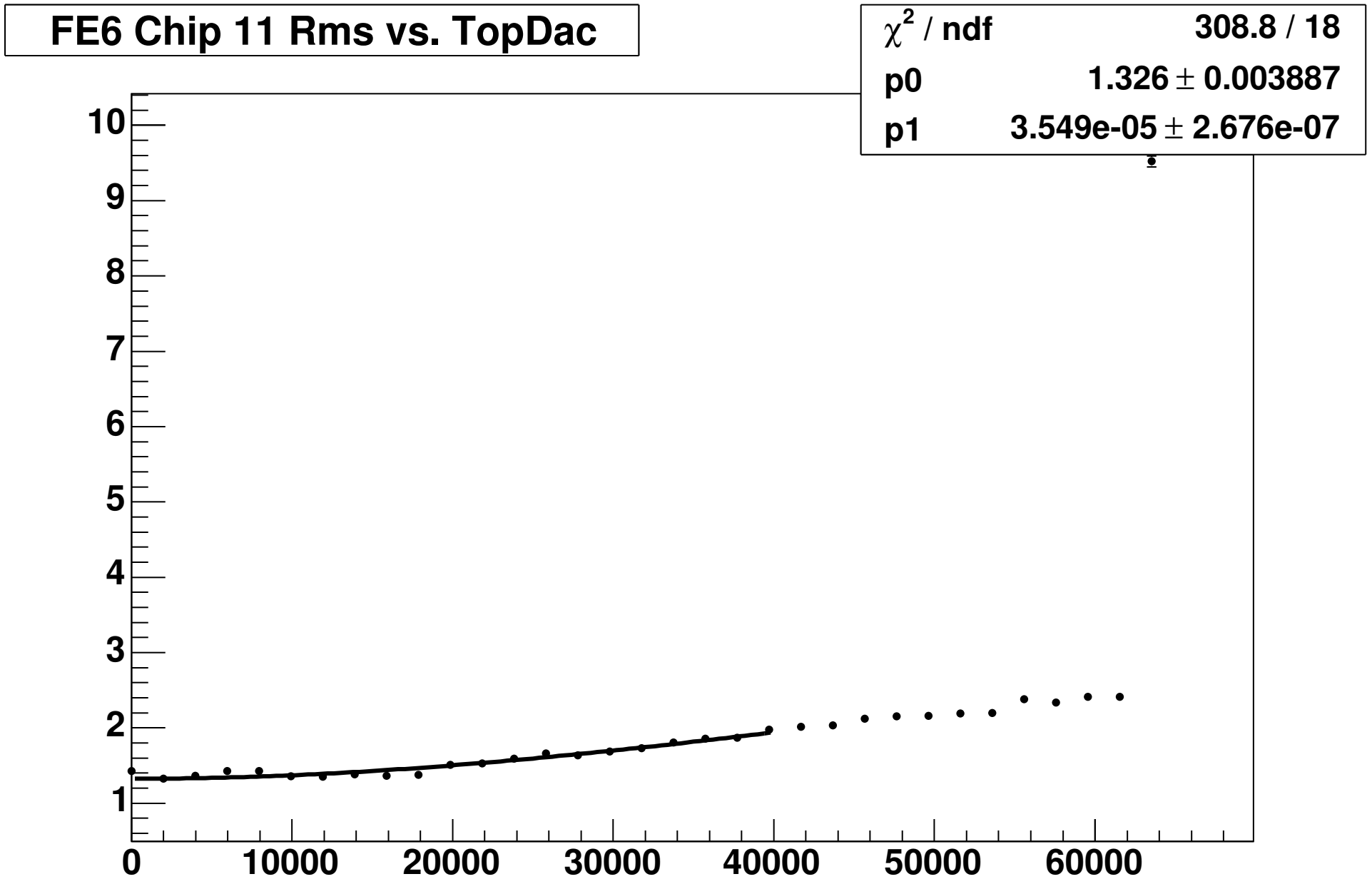
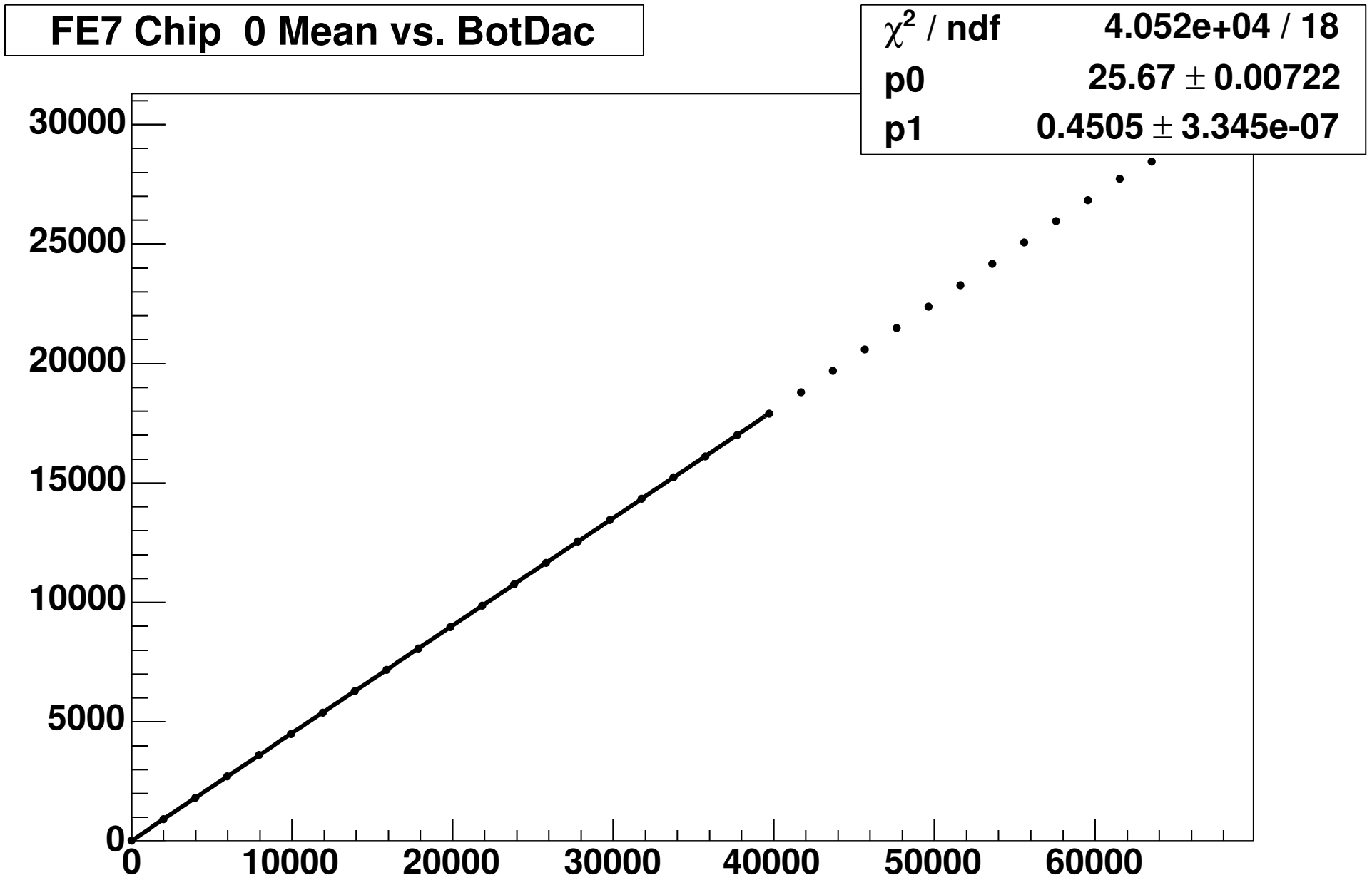
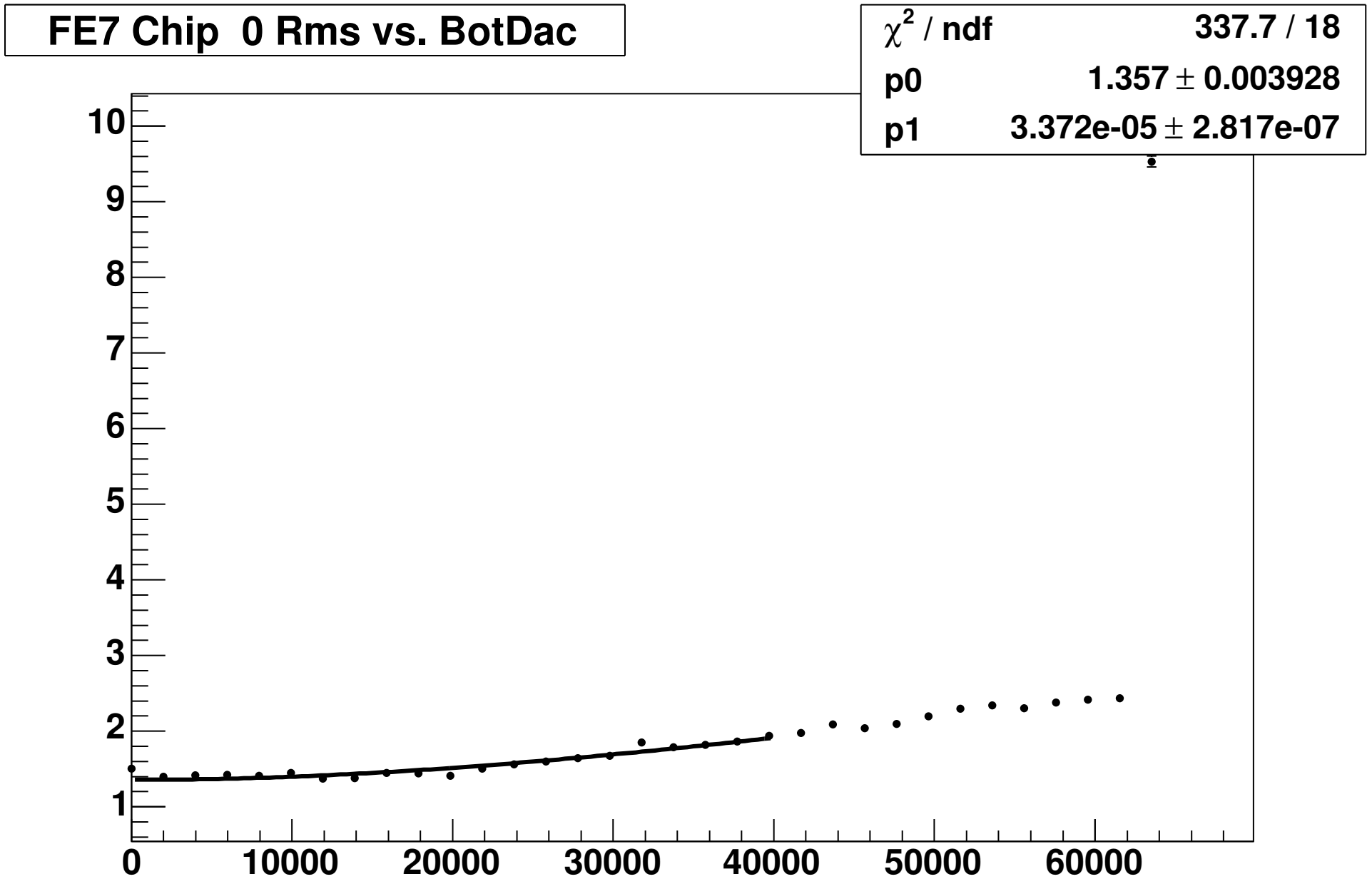
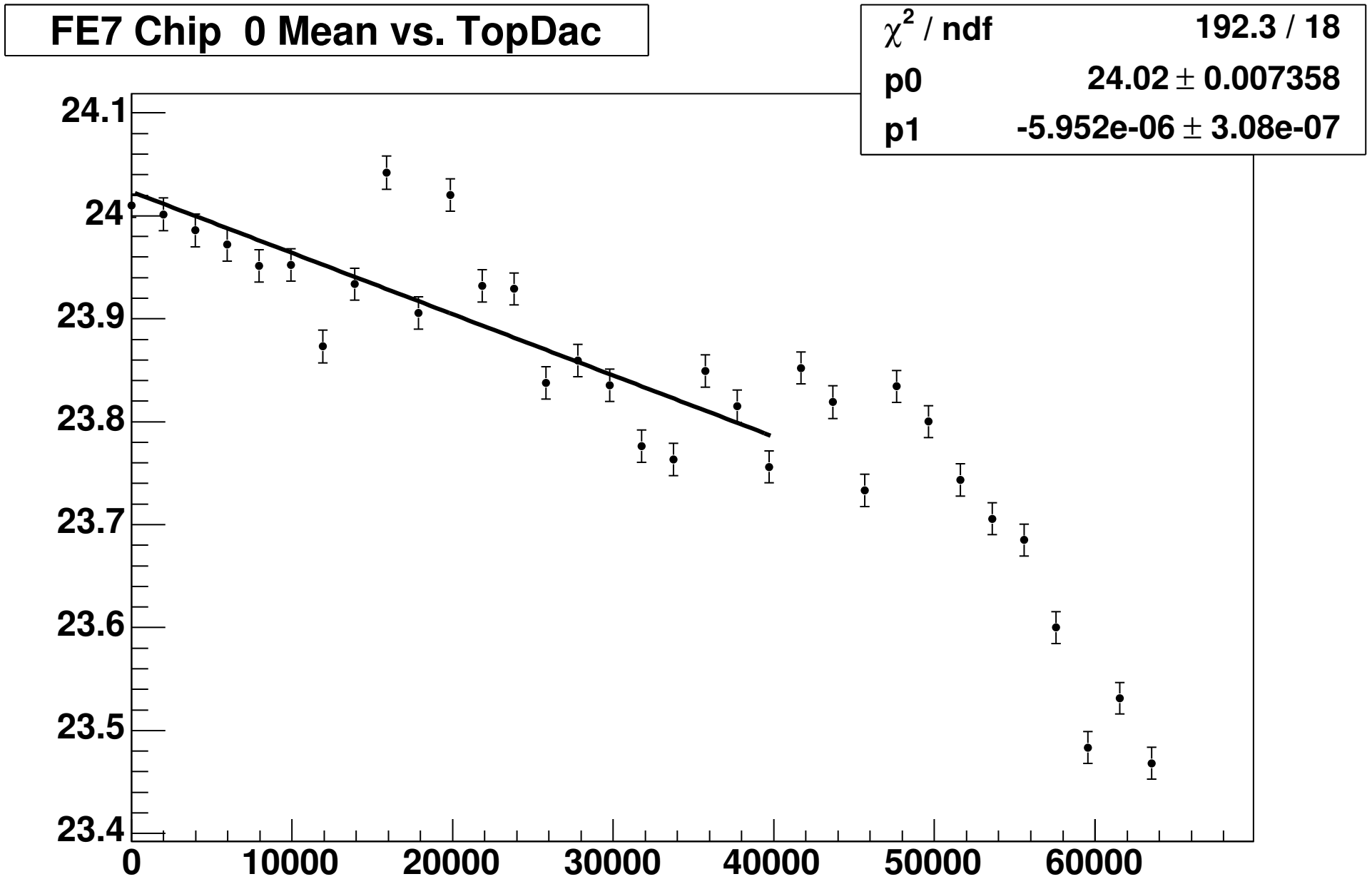
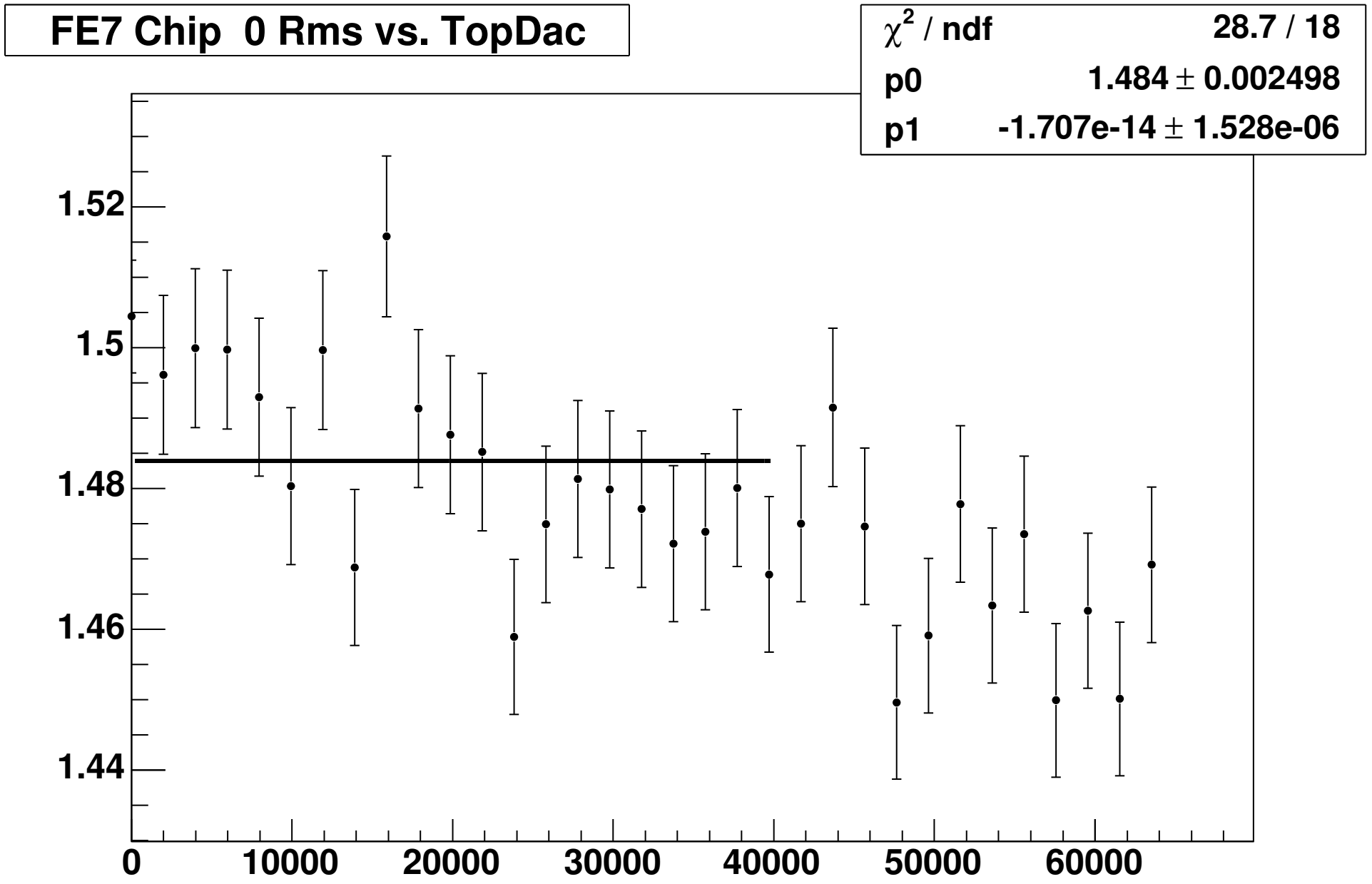
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

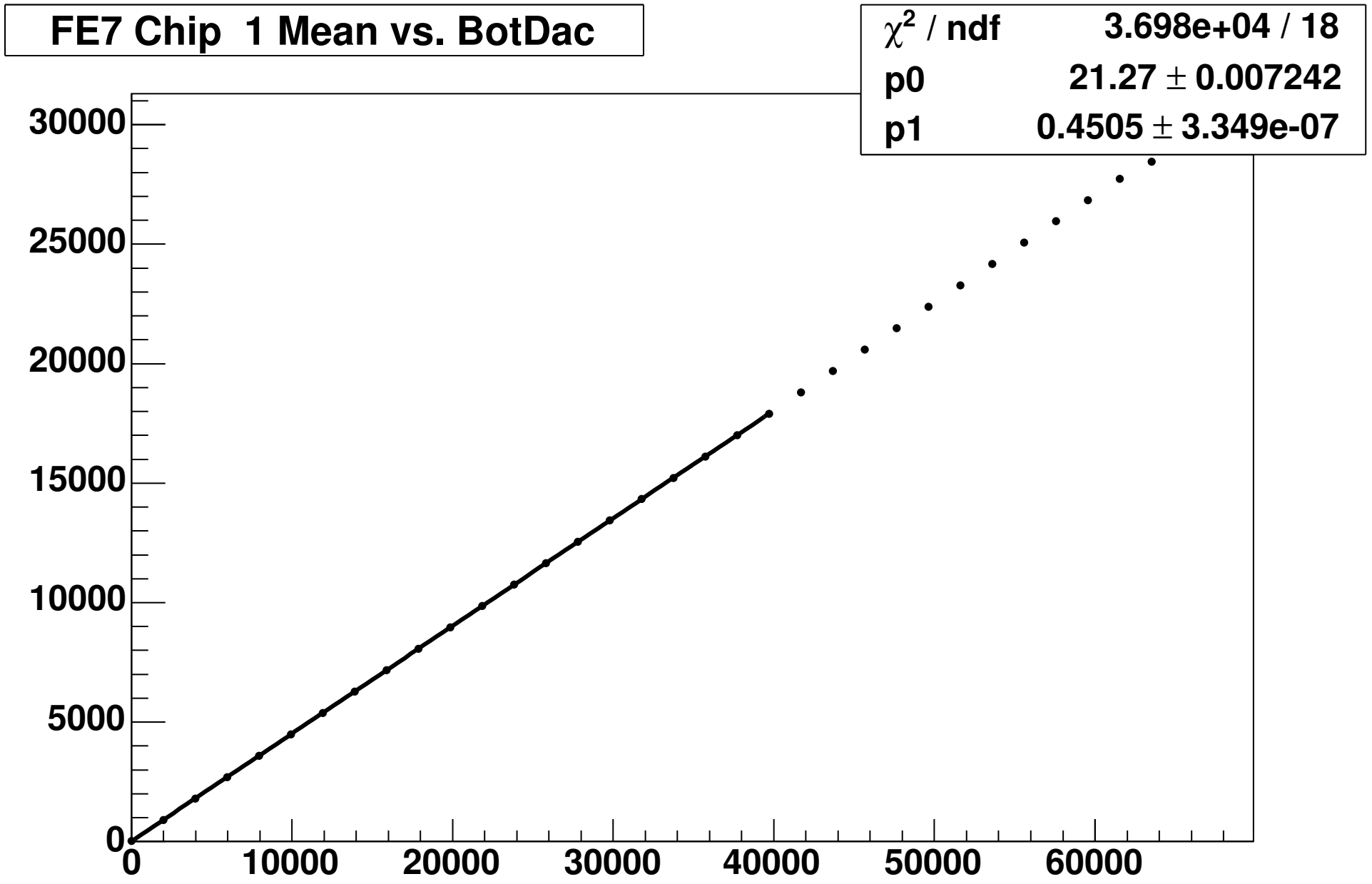

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 308.8 / 18
p0 1.326 ± 0.003887
p1 3.549e-05 ± 2.676e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

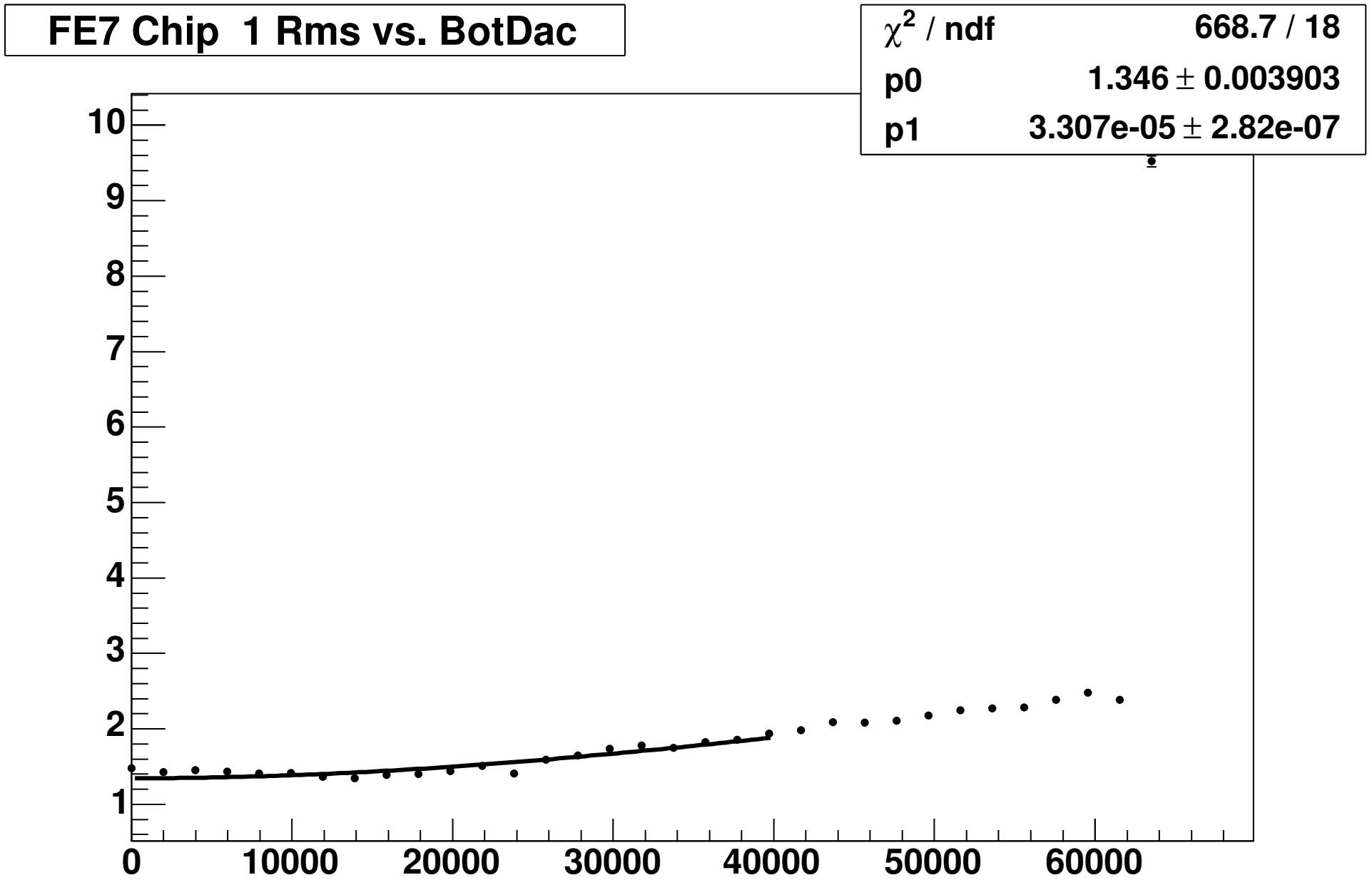

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 4.052e+04 / 18
p0 25.67 ± 0.00722
p1 0.4505 ± 3.345e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

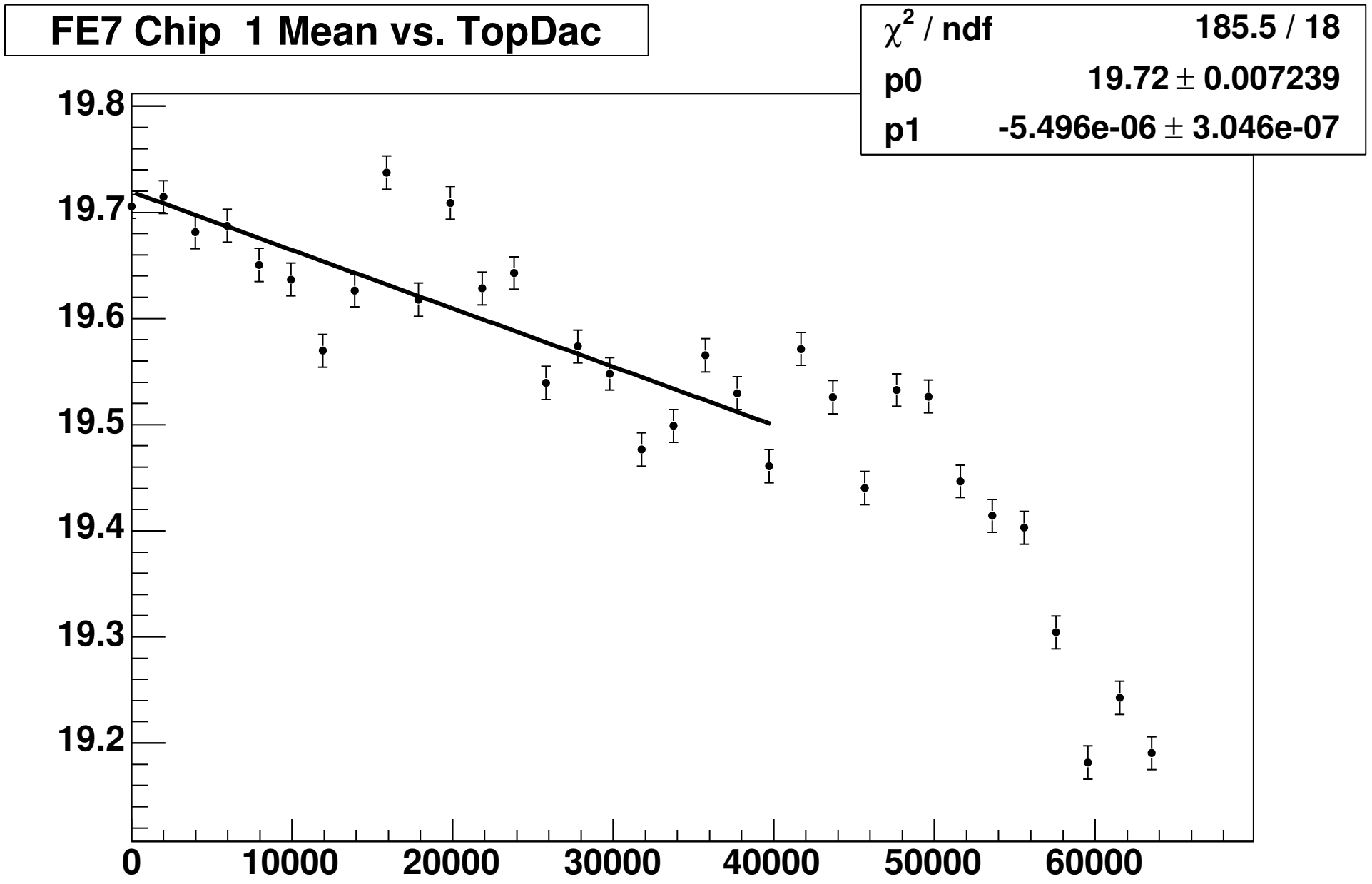

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 337.7 / 18
p0 1.357 ± 0.003928
p1 3.372e-05 ± 2.817e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

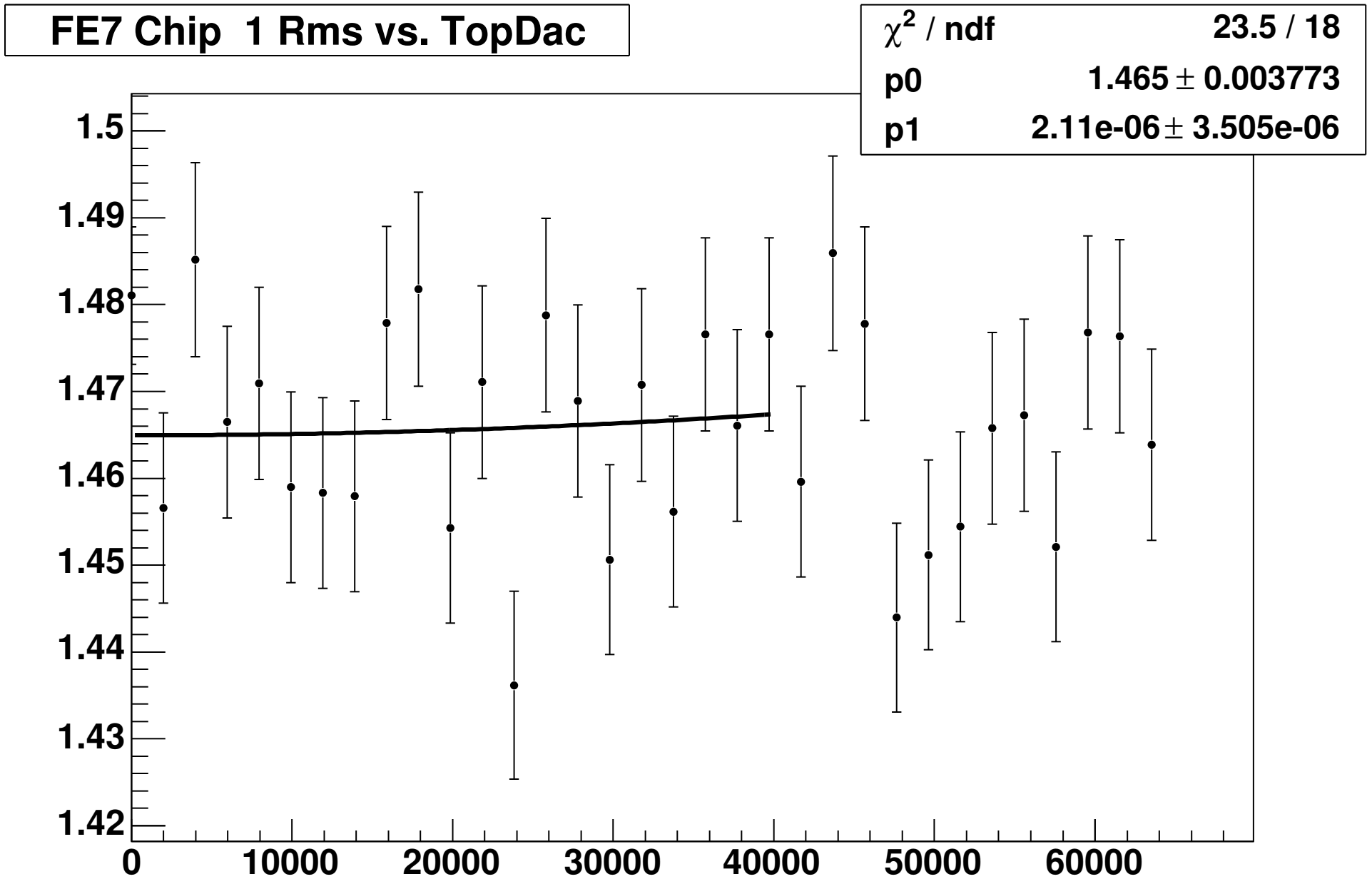

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 192.3 / 18
p0 24.02 ± 0.007358
p1 -5.952e-06 ± 3.08e-07
24.1
24
23.9
23.8
23.7
23.6
23.5
23.4
0
10000
20000
30000
40000
50000
60000

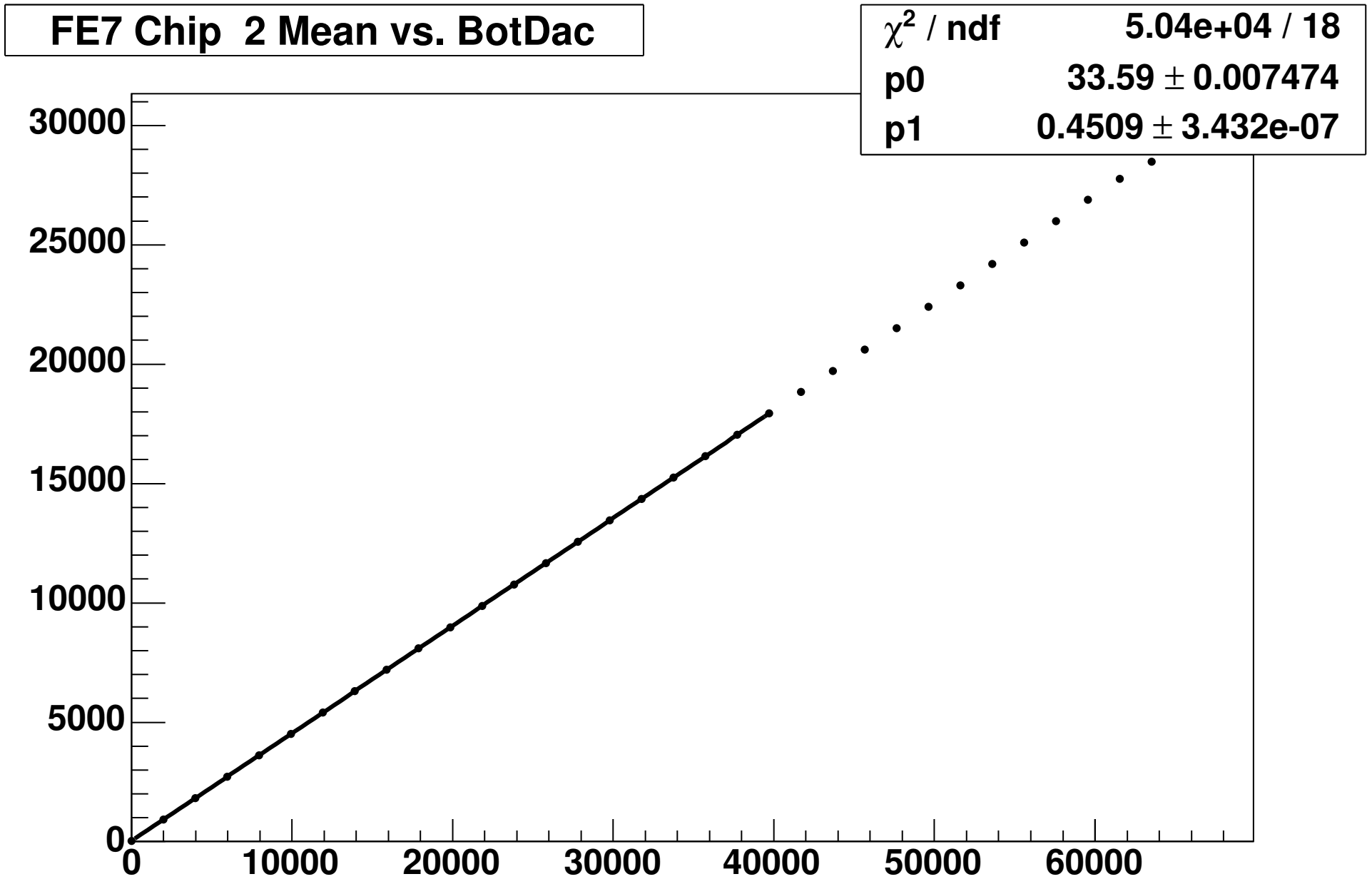

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 28.7 / 18
p0 1.484 ± 0.002498
p1 -1.707e-14 ± 1.528e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

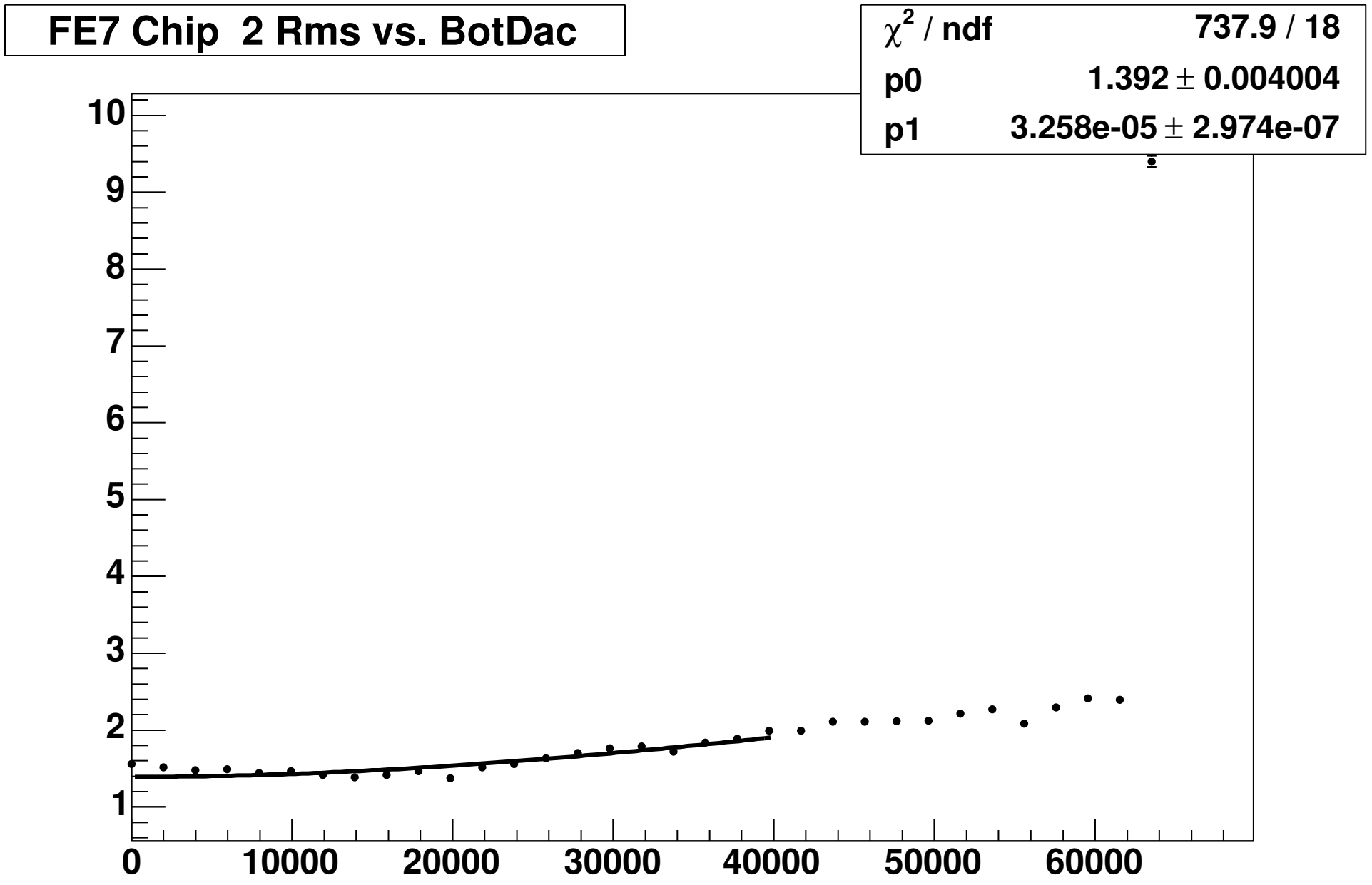

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 3.698e+04 / 18
p0 21.27 ± 0.007242
p1 0.4505 ± 3.349e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

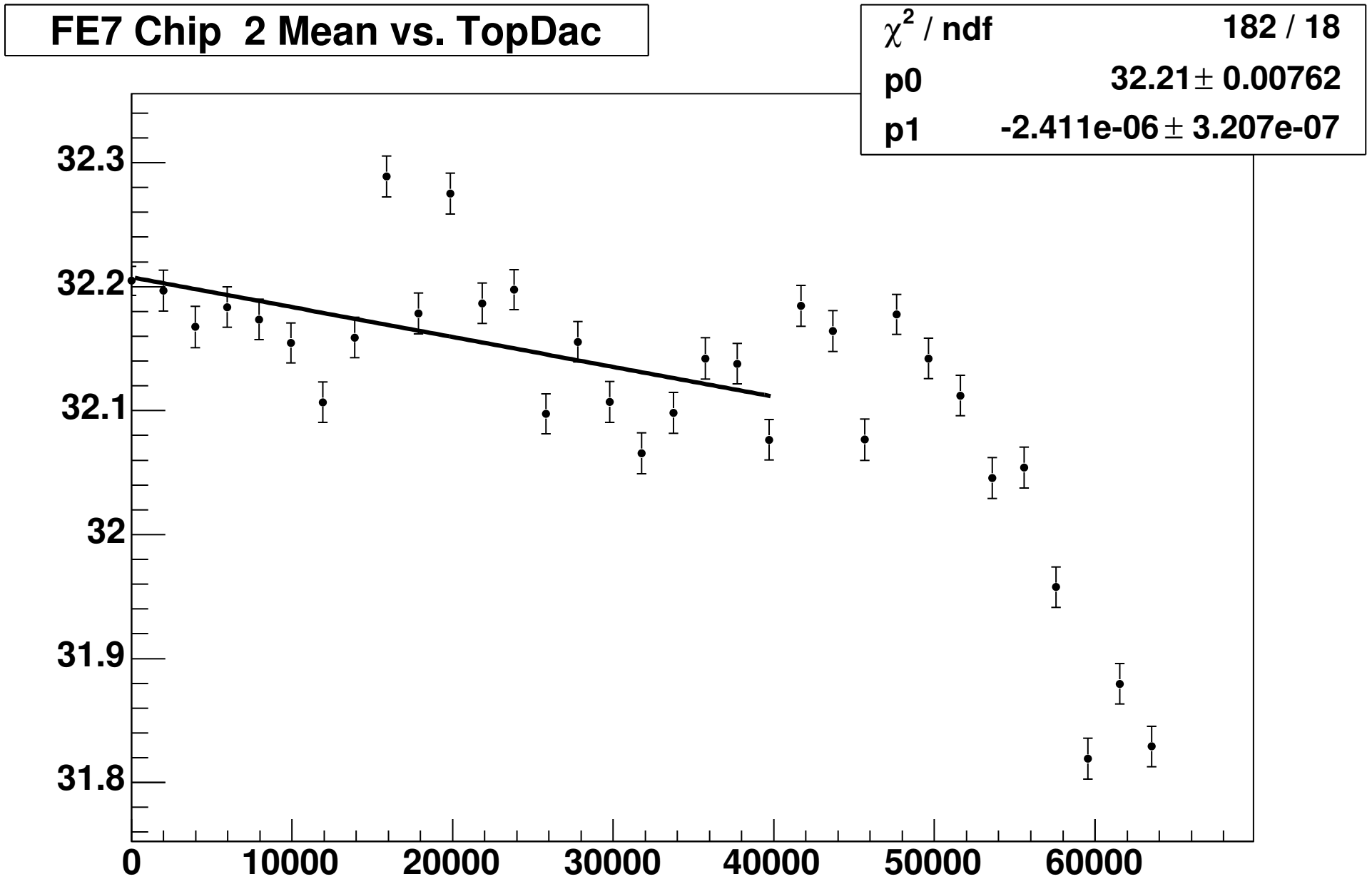

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 668.7 / 18
p0 1.346 ± 0.003903
p1 3.307e-05 ± 2.82e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

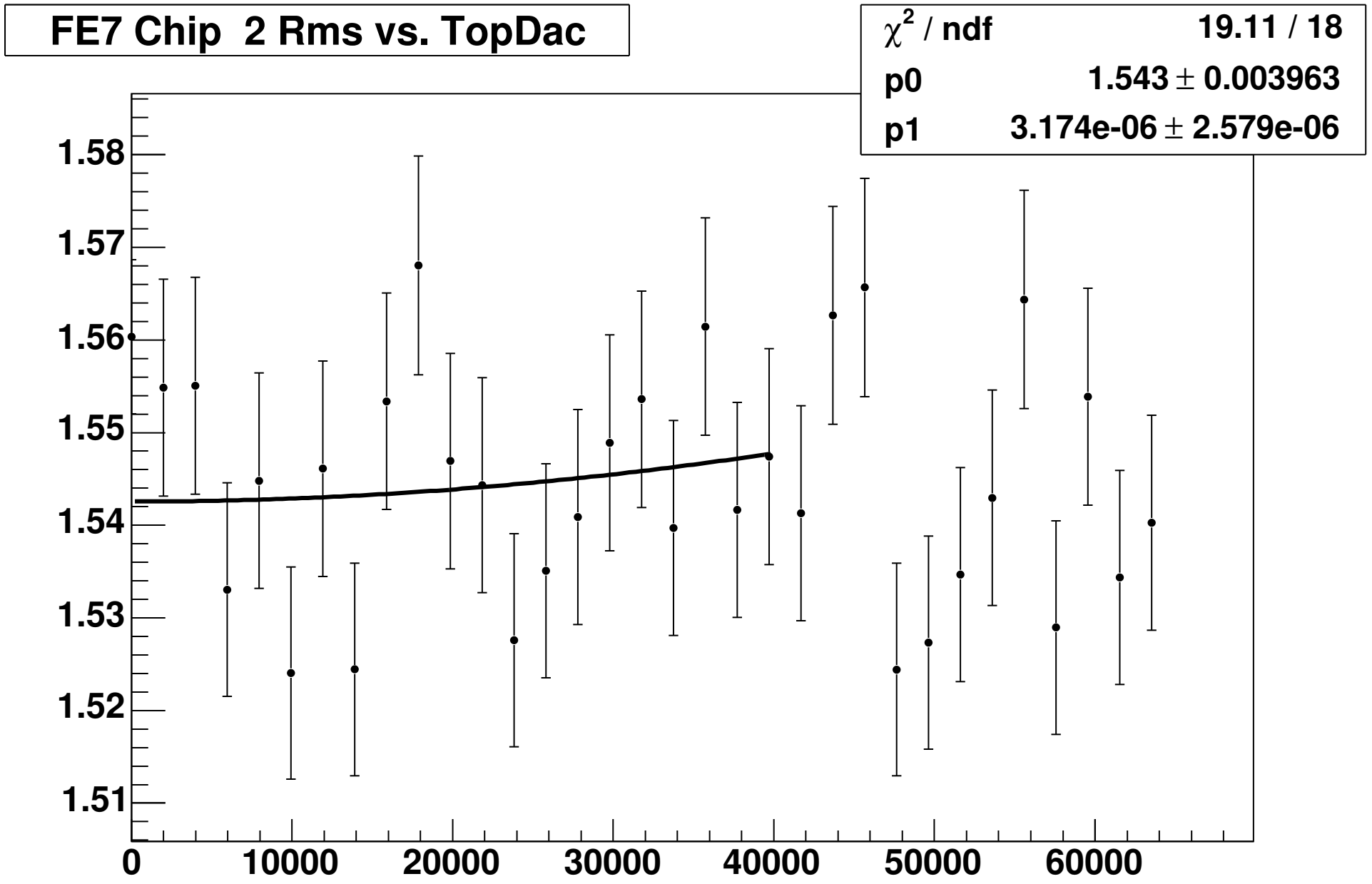

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 185.5 / 18
p0 19.72 ± 0.007239
p1 -5.496e-06 ± 3.046e-07
19.8
19.7
19.6
19.5
19.4
19.3
19.2
0
10000
20000
30000
40000
50000
60000

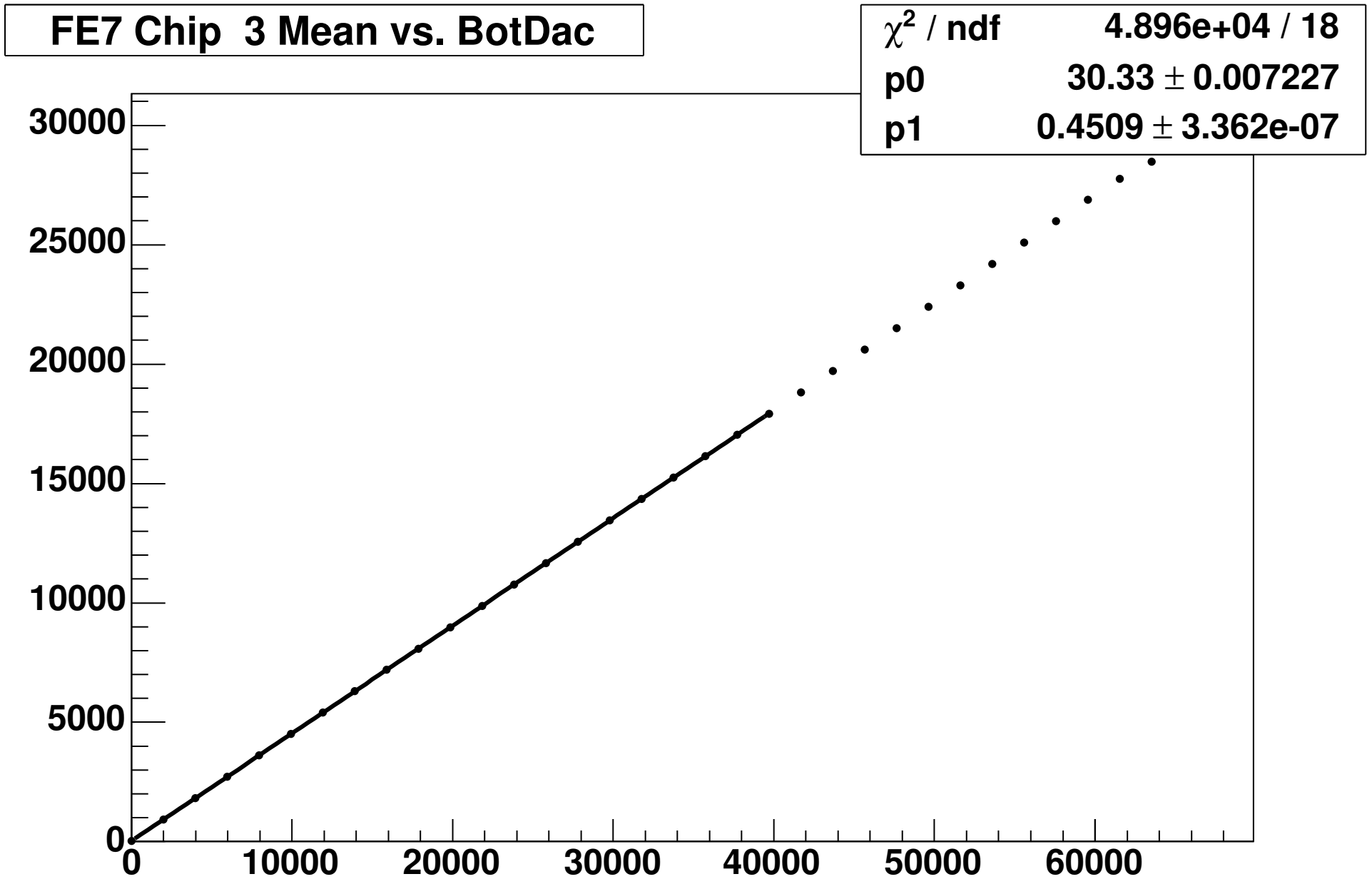

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 23.5 / 18
p0 1.465 ± 0.003773
p1 2.11e-06 ± 3.505e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

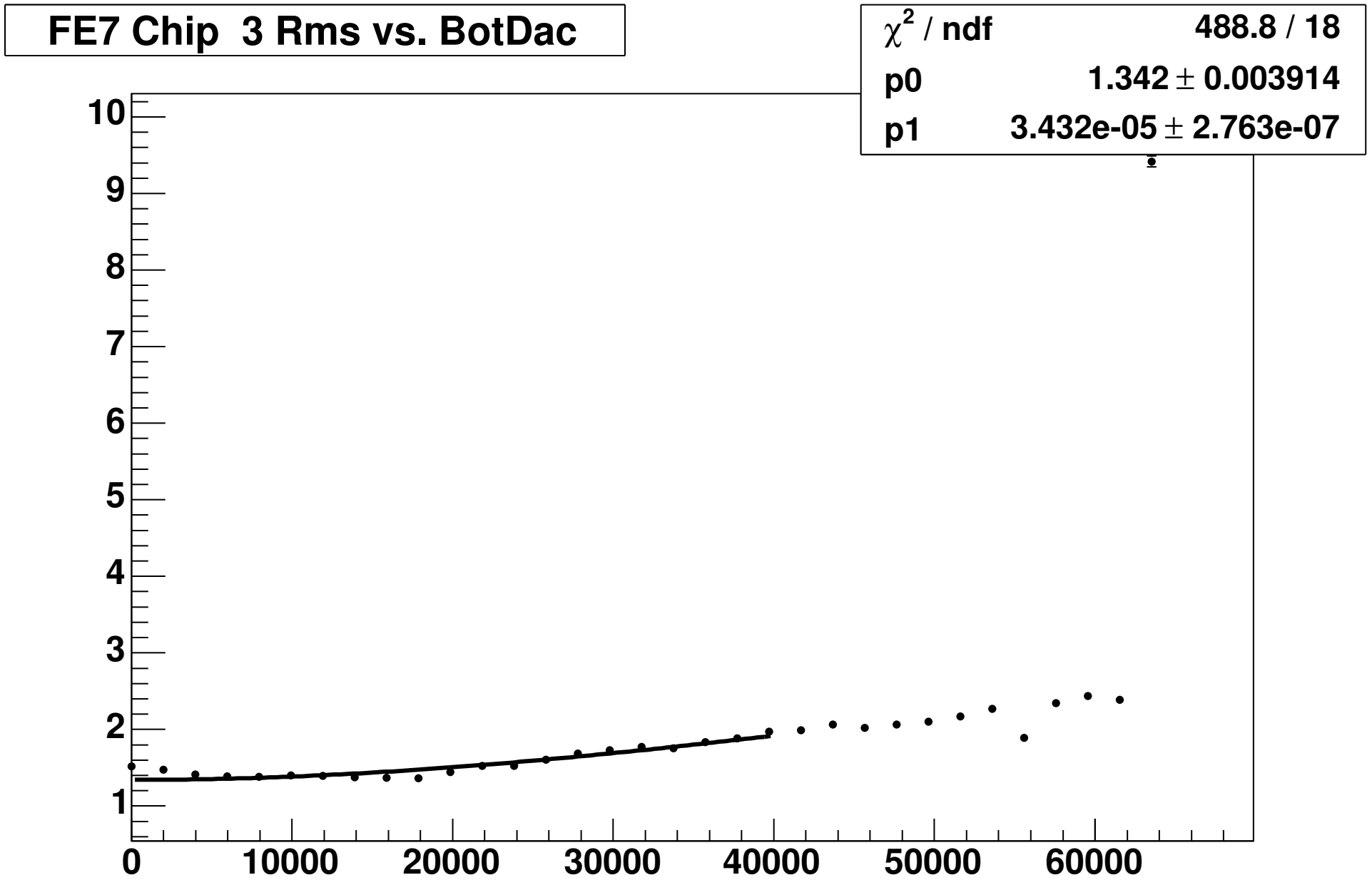

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 5.04e+04 / 18
p0 33.59 ± 0.007474
p1 0.4509 ± 3.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

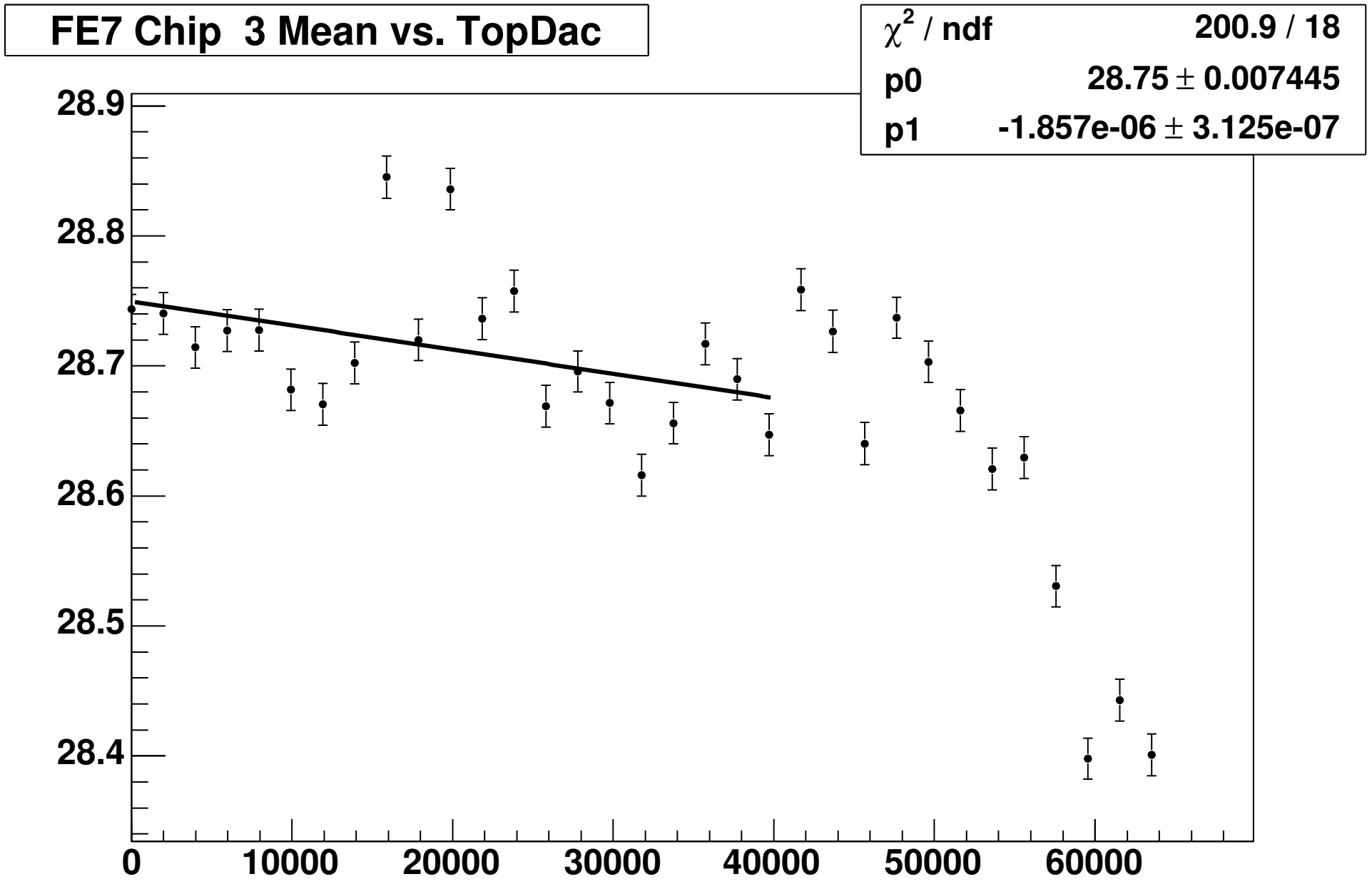

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 737.9 / 18
p0 1.392 ± 0.004004
p1 3.258e-05 ± 2.974e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

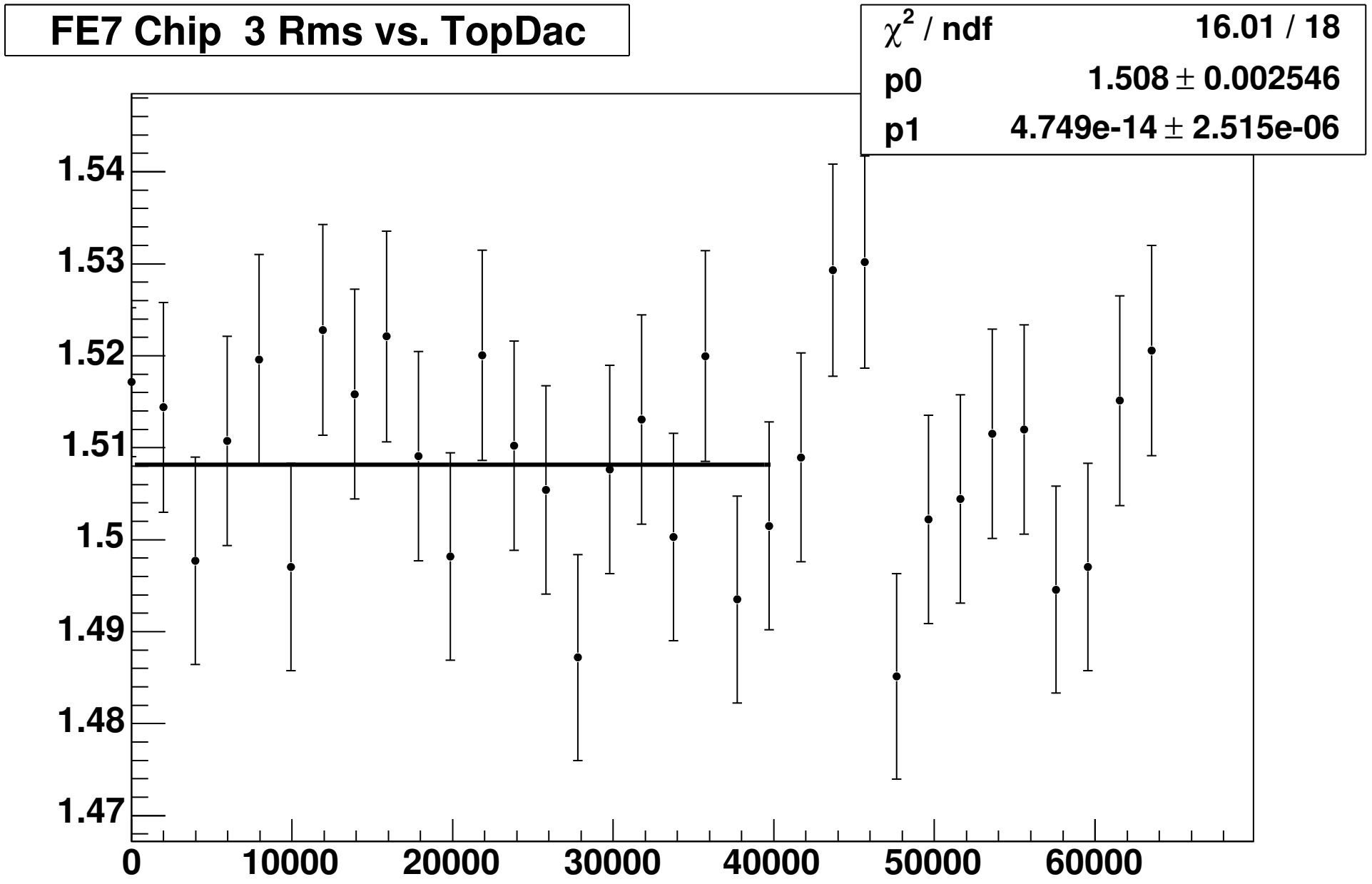

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 182 / 18
p0 32.21 ± 0.00762
p1 -2.411e-06 ± 3.207e-07
32.3
32.2
32.1
32
31.9
31.8
0
10000
20000
30000
40000
50000
60000

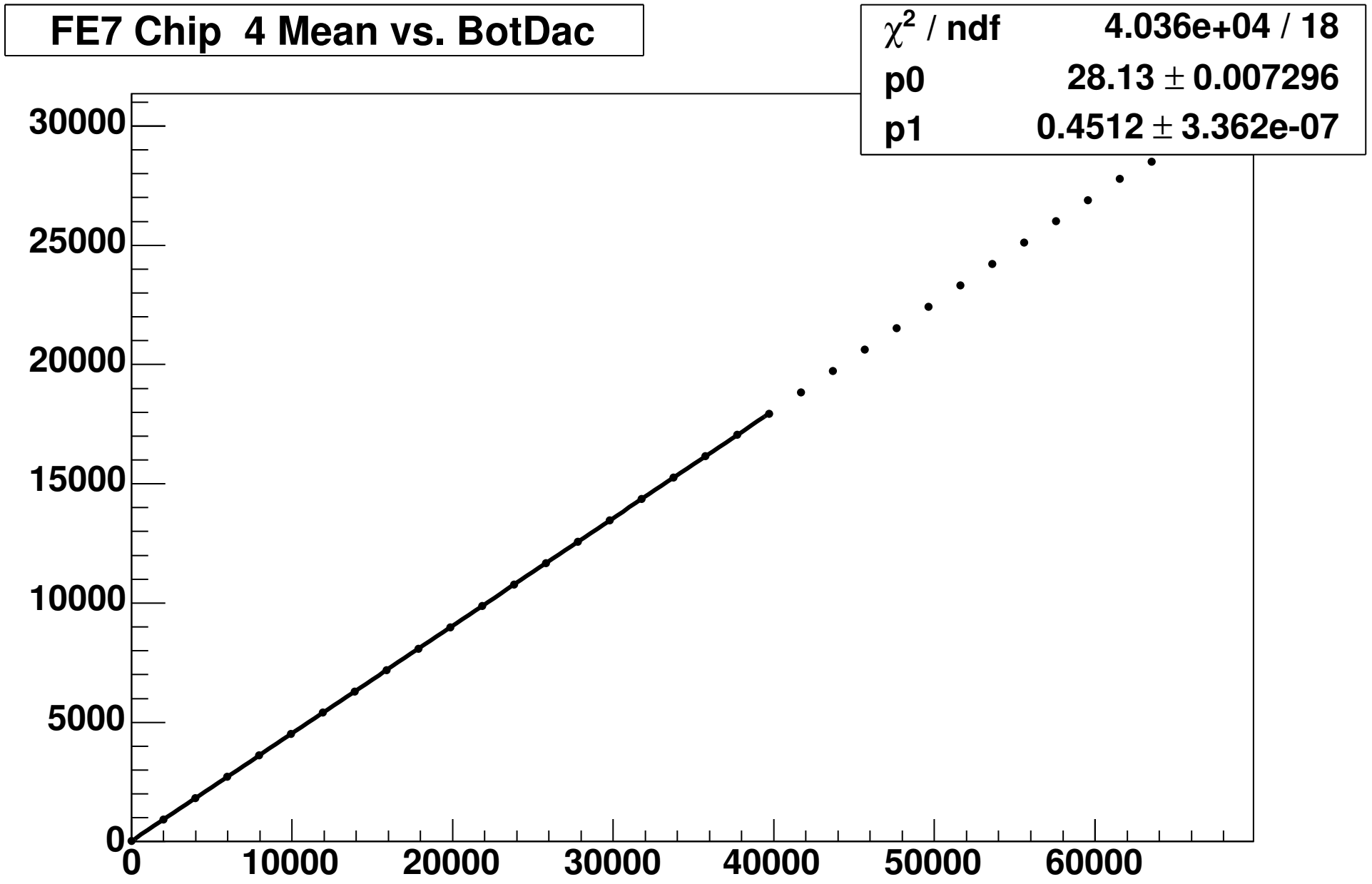

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 19.11 / 18
p0 1.543 ± 0.003963
p1 3.174e-06 ± 2.579e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000

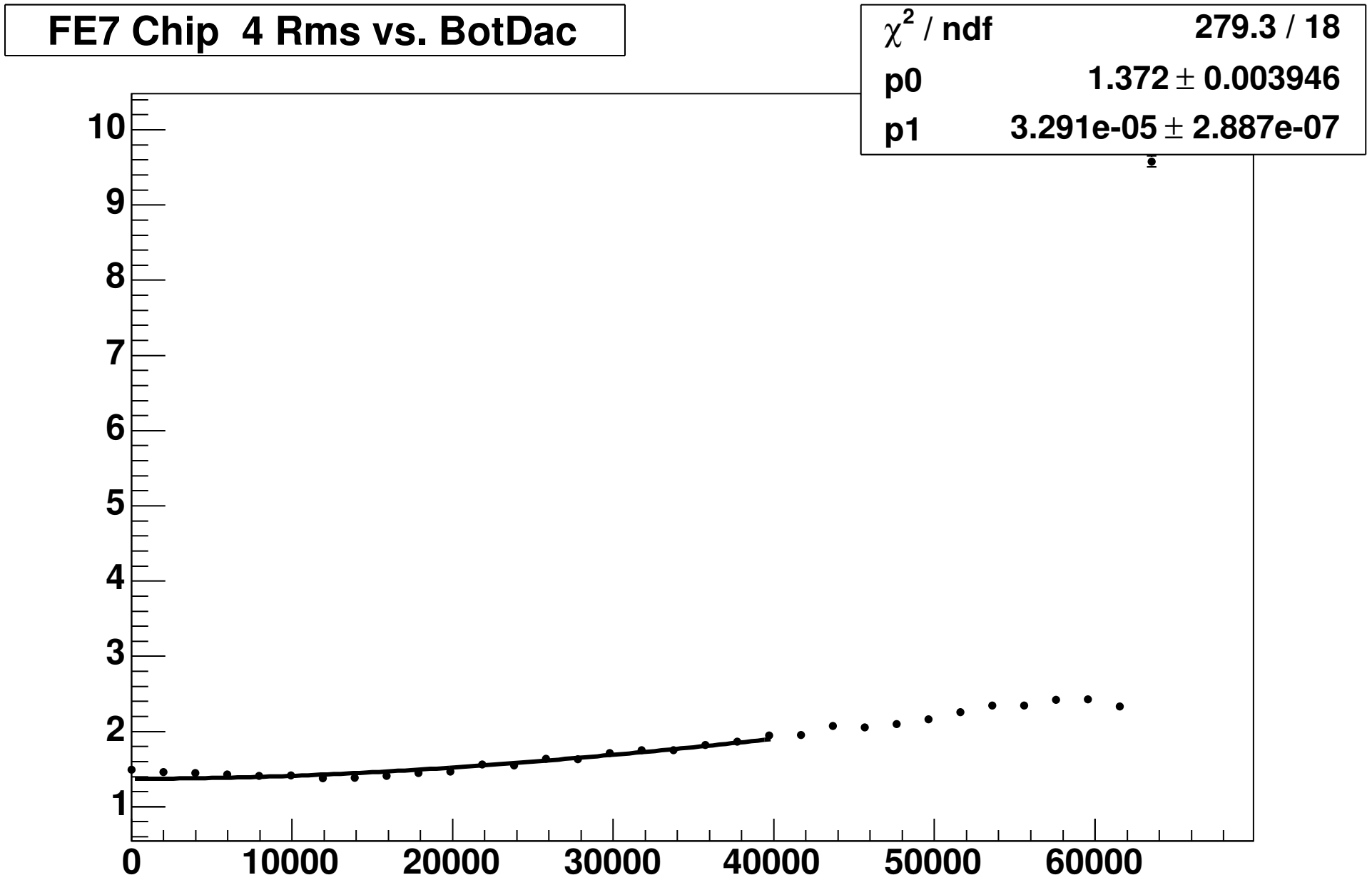

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 4.896e+04 / 18
p0 30.33 ± 0.007227
p1 0.4509 ± 3.362e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

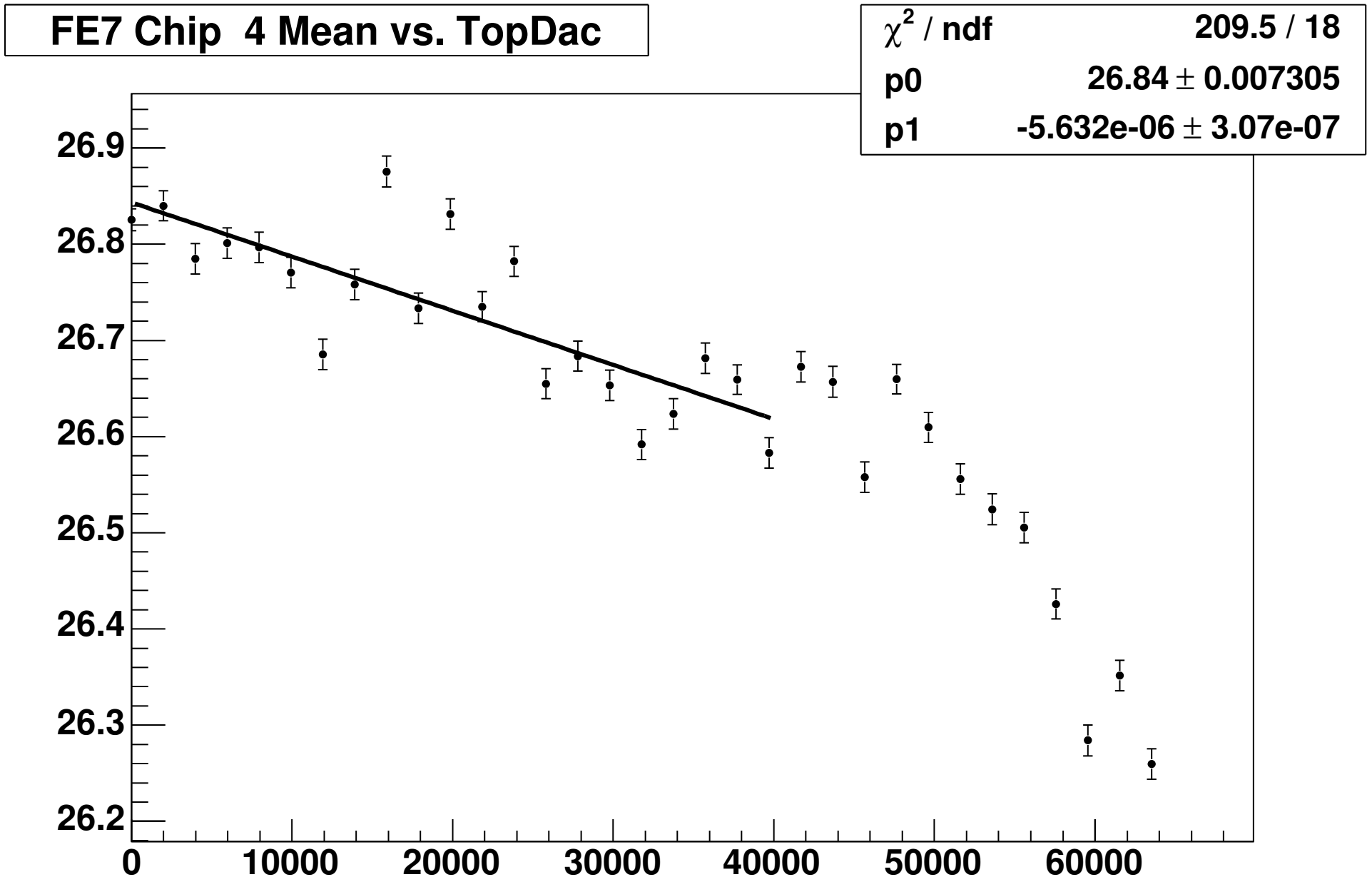

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 488.8 / 18
p0 1.342 ± 0.003914
p1 3.432e-05 ± 2.763e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

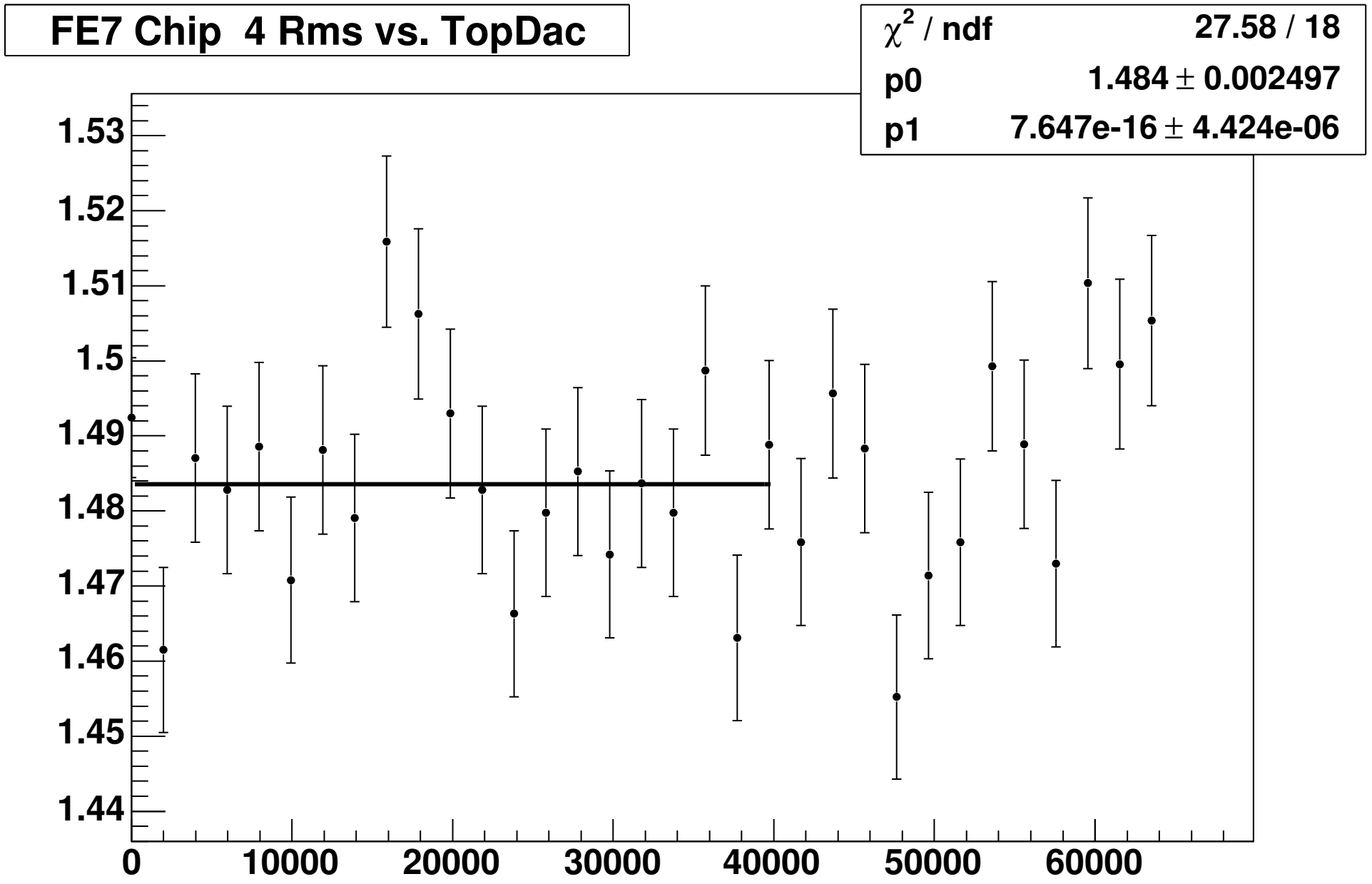

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 200.9 / 18
p0 28.75 ± 0.007445
p1 -1.857e-06 ± 3.125e-07
28.9
28.8
28.7
28.6
28.5
28.4
0
10000
20000
30000
40000
50000
60000

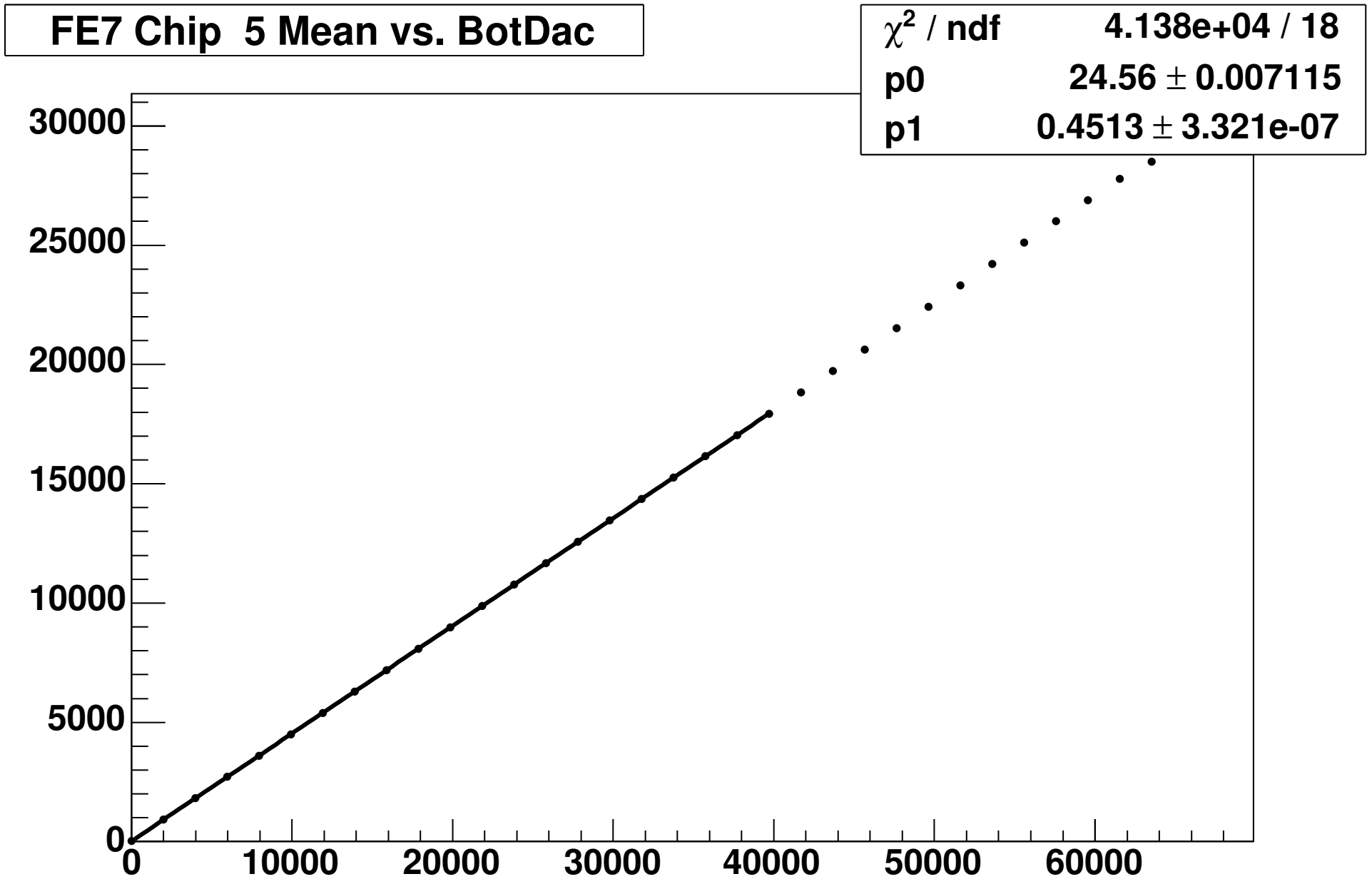

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 16.01 / 18
p0 1.508 ± 0.002546
p1 4.749e-14 ± 2.515e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

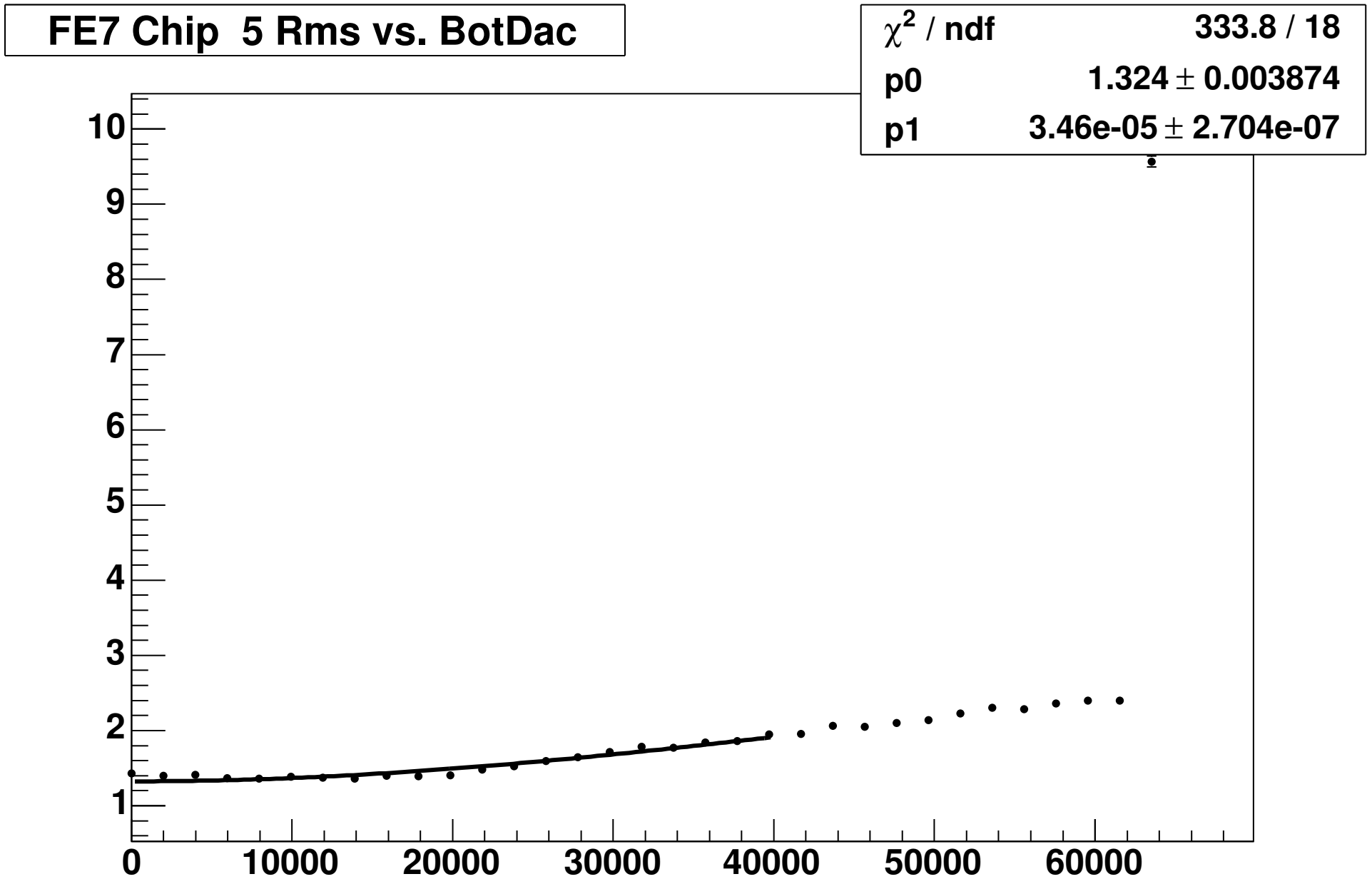

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 4.036e+04 / 18
p0 28.13 ± 0.007296
p1 0.4512 ± 3.362e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

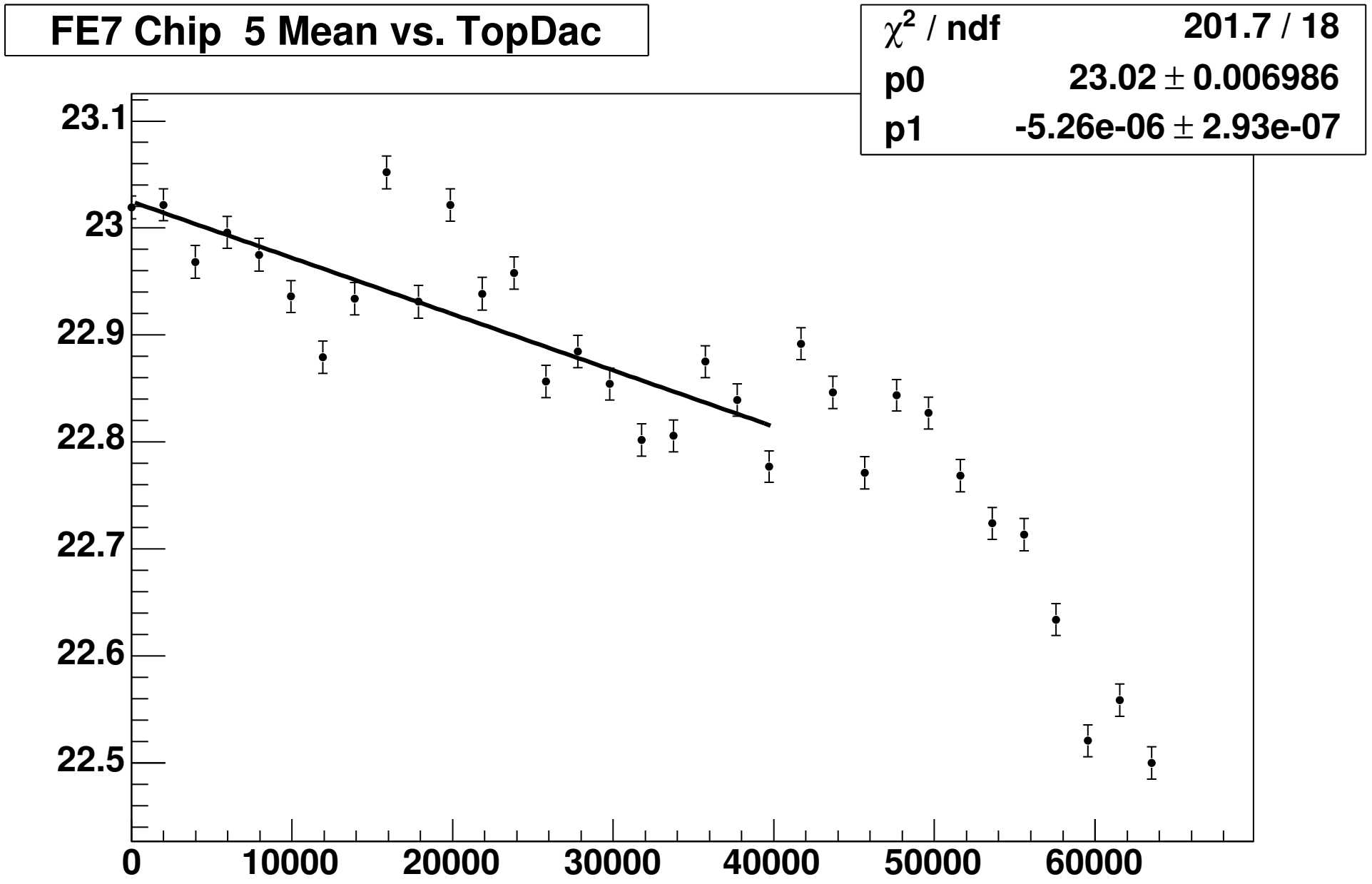

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 279.3 / 18
p0 1.372 ± 0.003946
p1 3.291e-05 ± 2.887e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

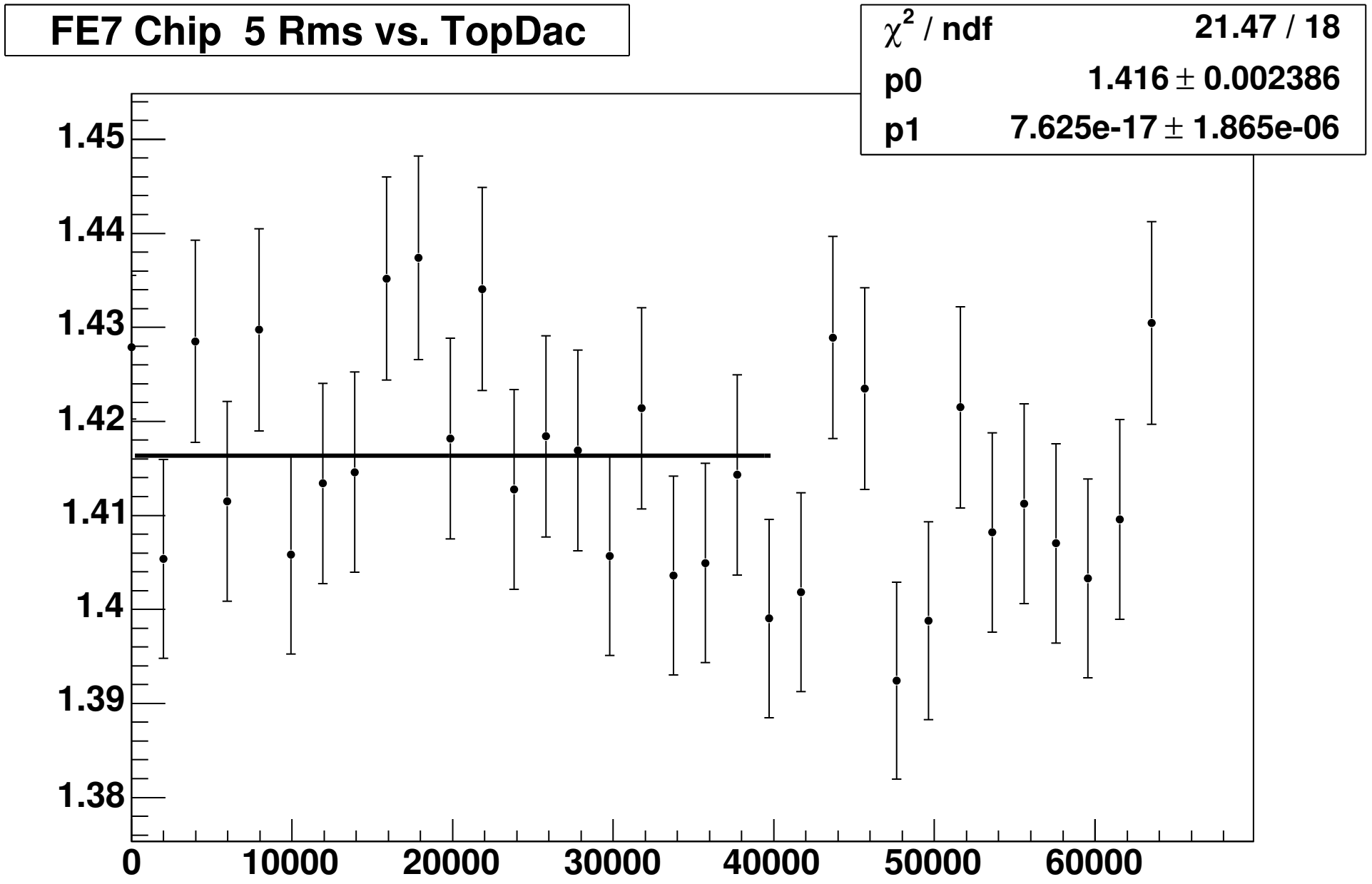

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 209.5 / 18
p0 26.84 ± 0.007305
p1 -5.632e-06 ± 3.07e-07
26.9
26.8
26.7
26.6
26.5
26.4
26.3
26.2
0
10000
20000
30000
40000
50000
60000

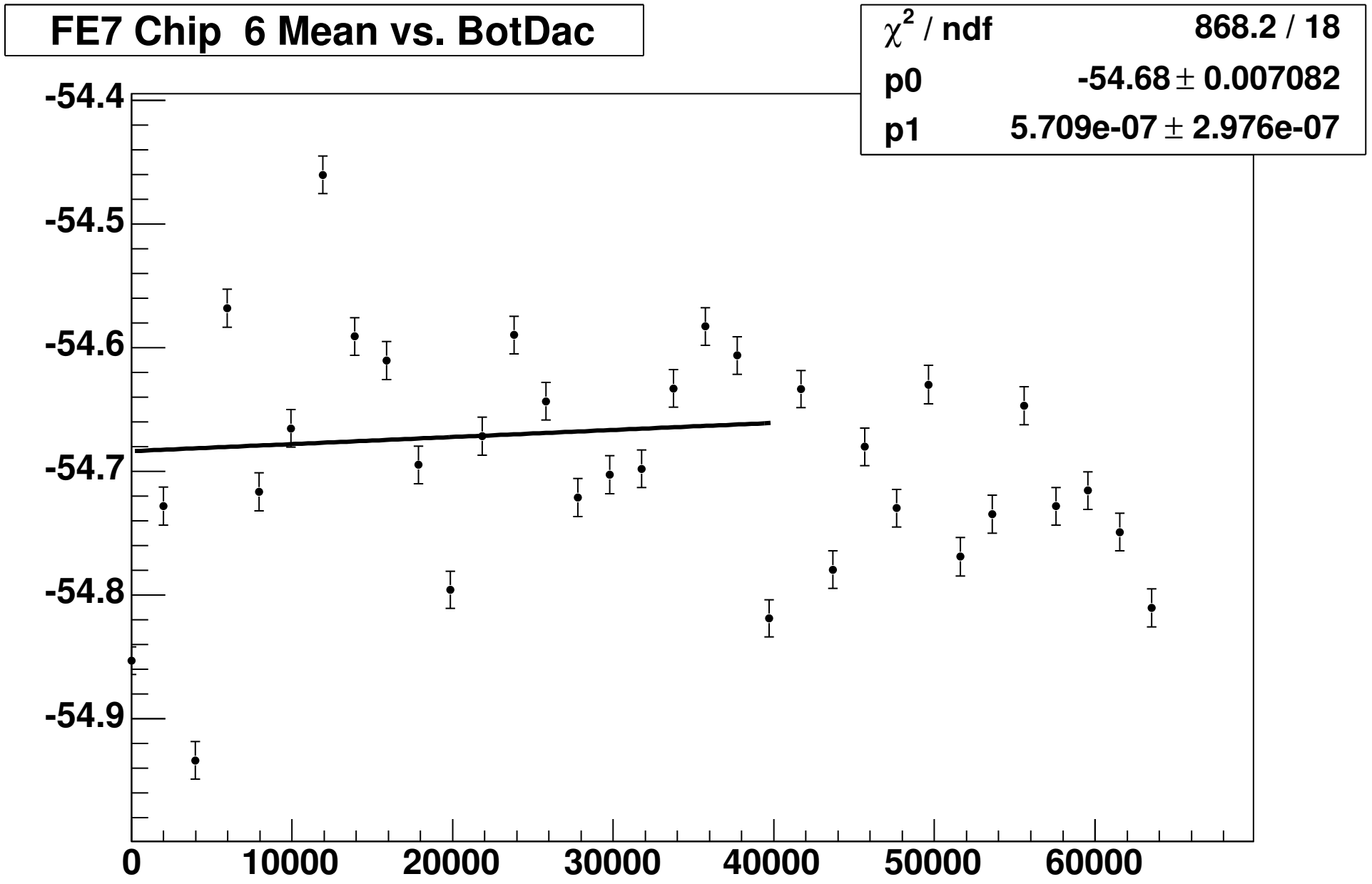

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 27.58 / 18
p0 1.484 ± 0.002497
p1 7.647e-16 ± 4.424e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

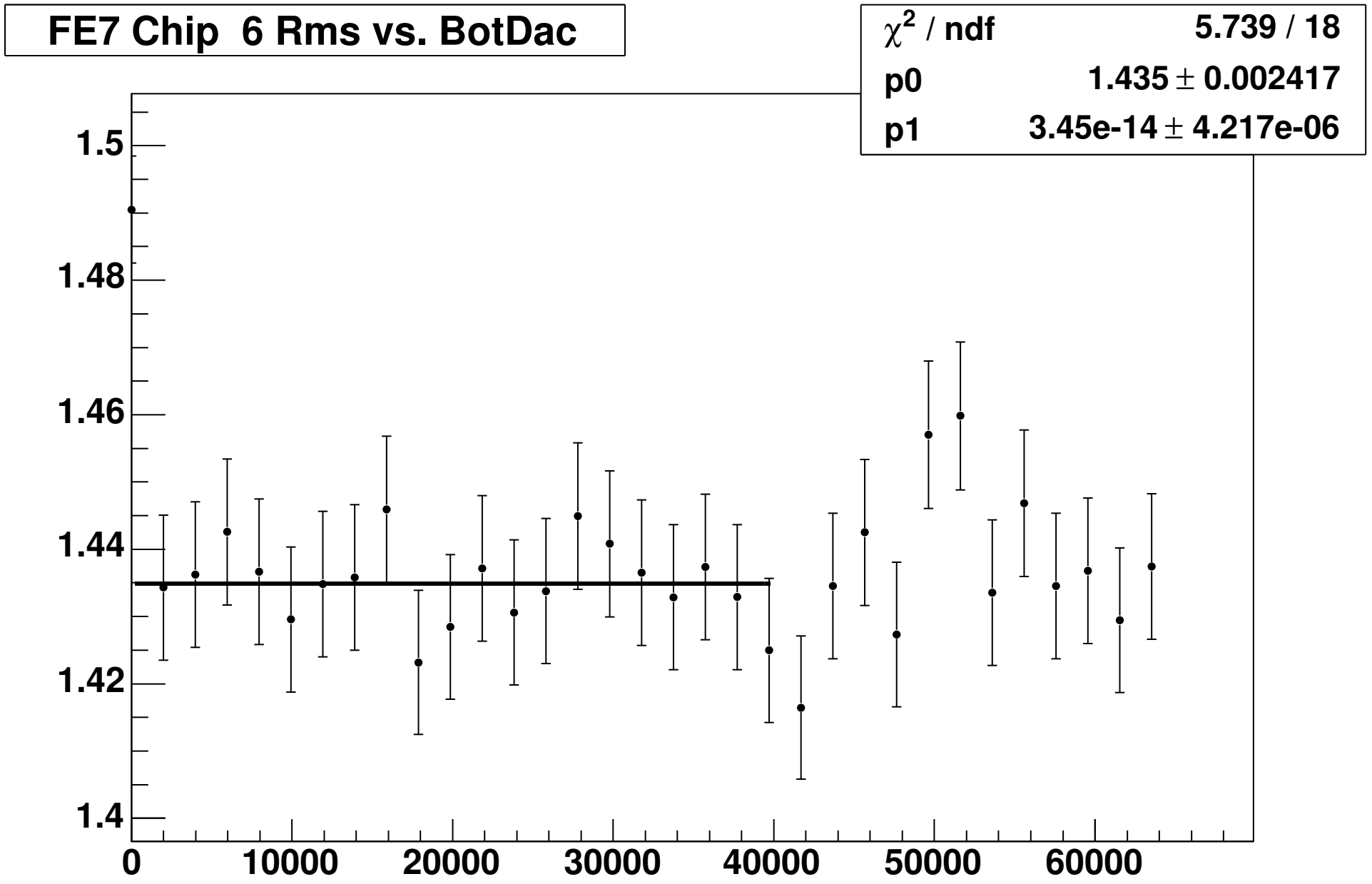

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 4.138e+04 / 18
p0 24.56 ± 0.007115
p1 0.4513 ± 3.321e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

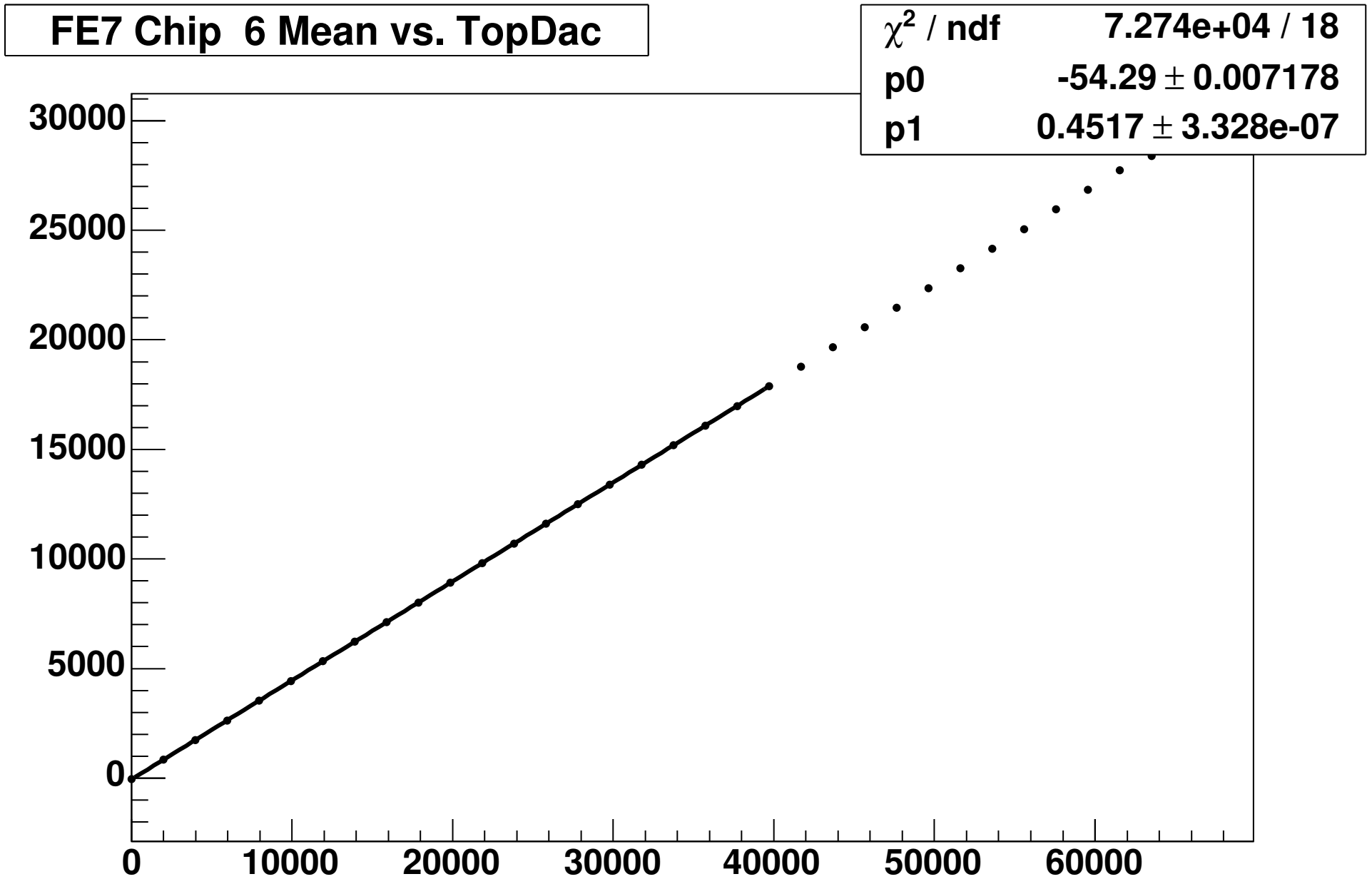

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 333.8 / 18
p0 1.324 ± 0.003874
p1 3.46e-05 ± 2.704e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

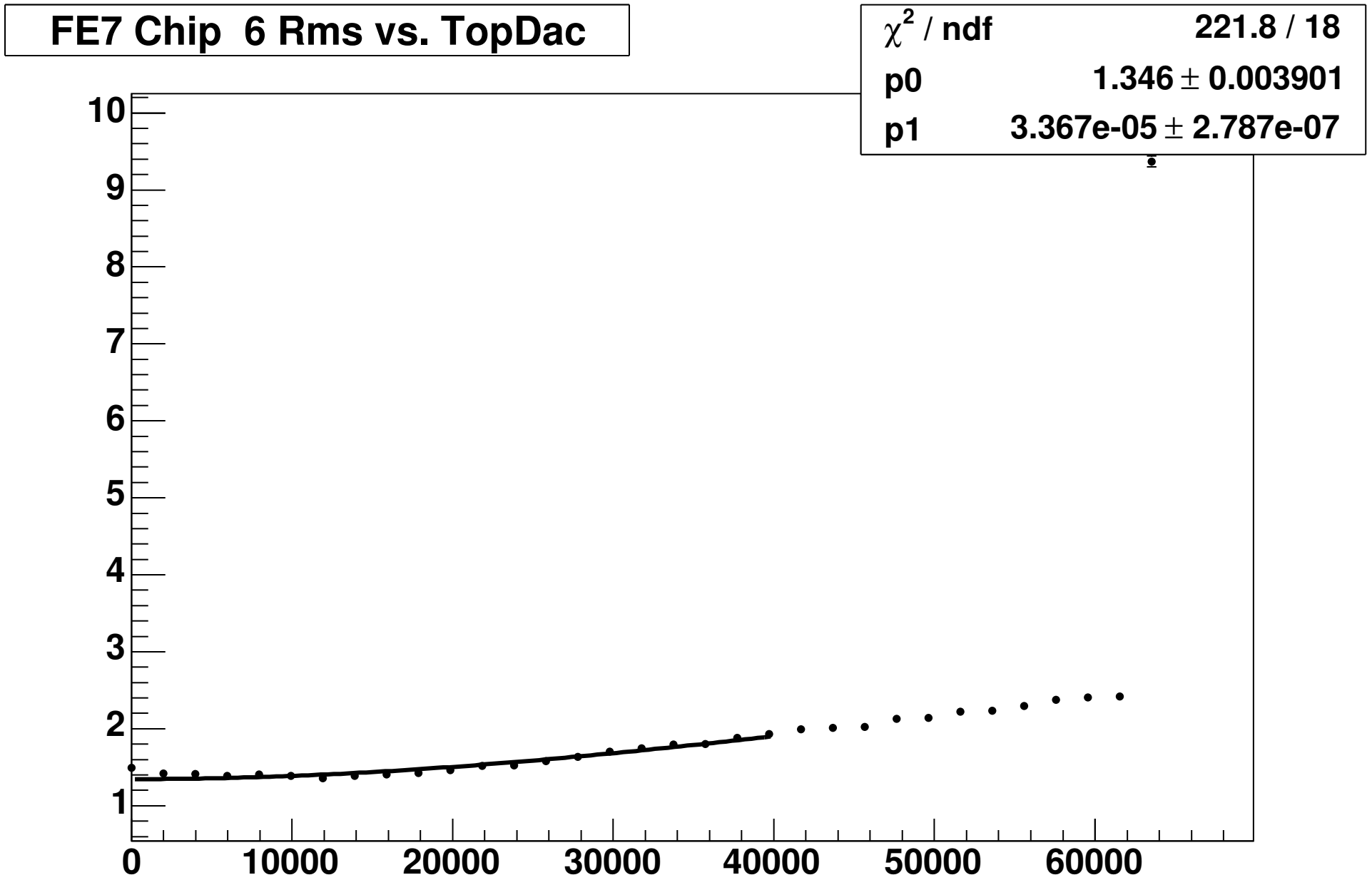

FE7 Chip 5 Mean vs. TopDac
χ^2 / ndf 201.7 / 18
p0 23.02 ± 0.006986
p1 -5.26e-06 ± 2.93e-07
23.1
23
22.9
22.8
22.7
22.6
22.5
0
10000
20000
30000
40000
50000
60000

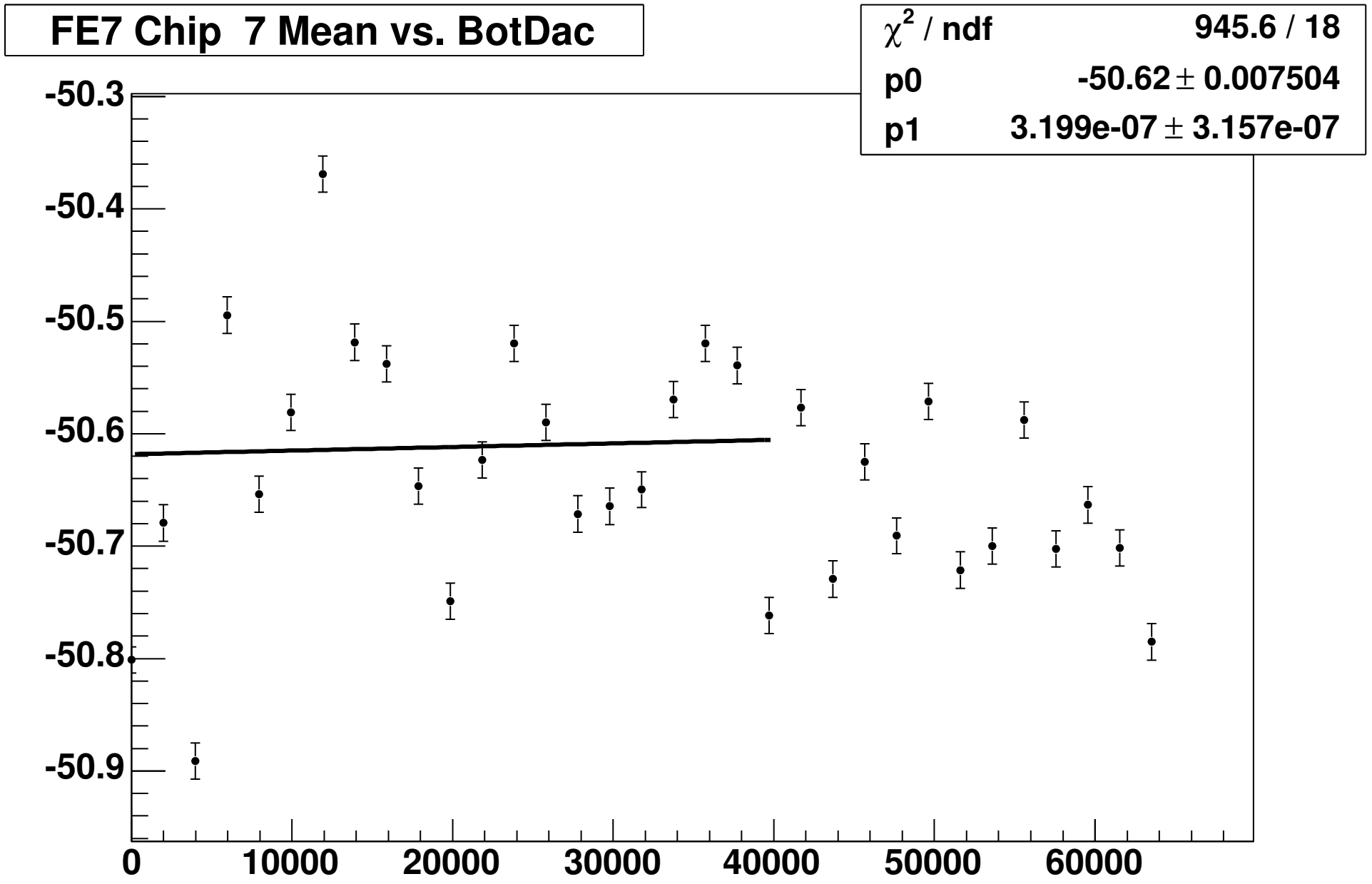

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 21.47 / 18
p0 1.416 ± 0.002386
p1 7.625e-17 ± 1.865e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

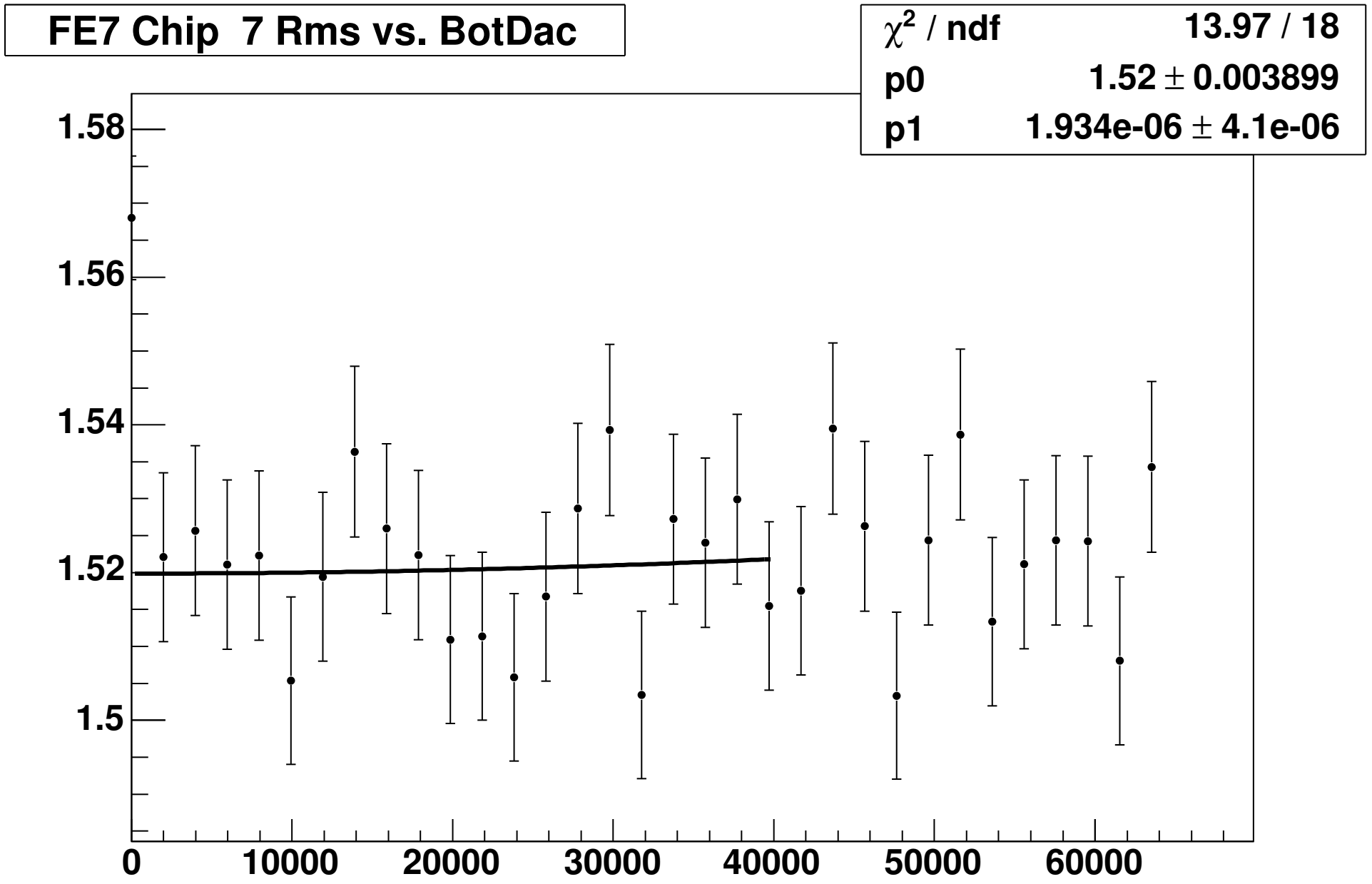

FE7 Chip 6 Mean vs. BotDac
χ^2 / ndf 868.2 / 18
p0 -54.68 ± 0.007082
p1 5.709e-07 ± 2.976e-07
-54.4
-54.5
-54.6
-54.7
-54.8
-54.9
0
10000
20000
30000
40000
50000
60000

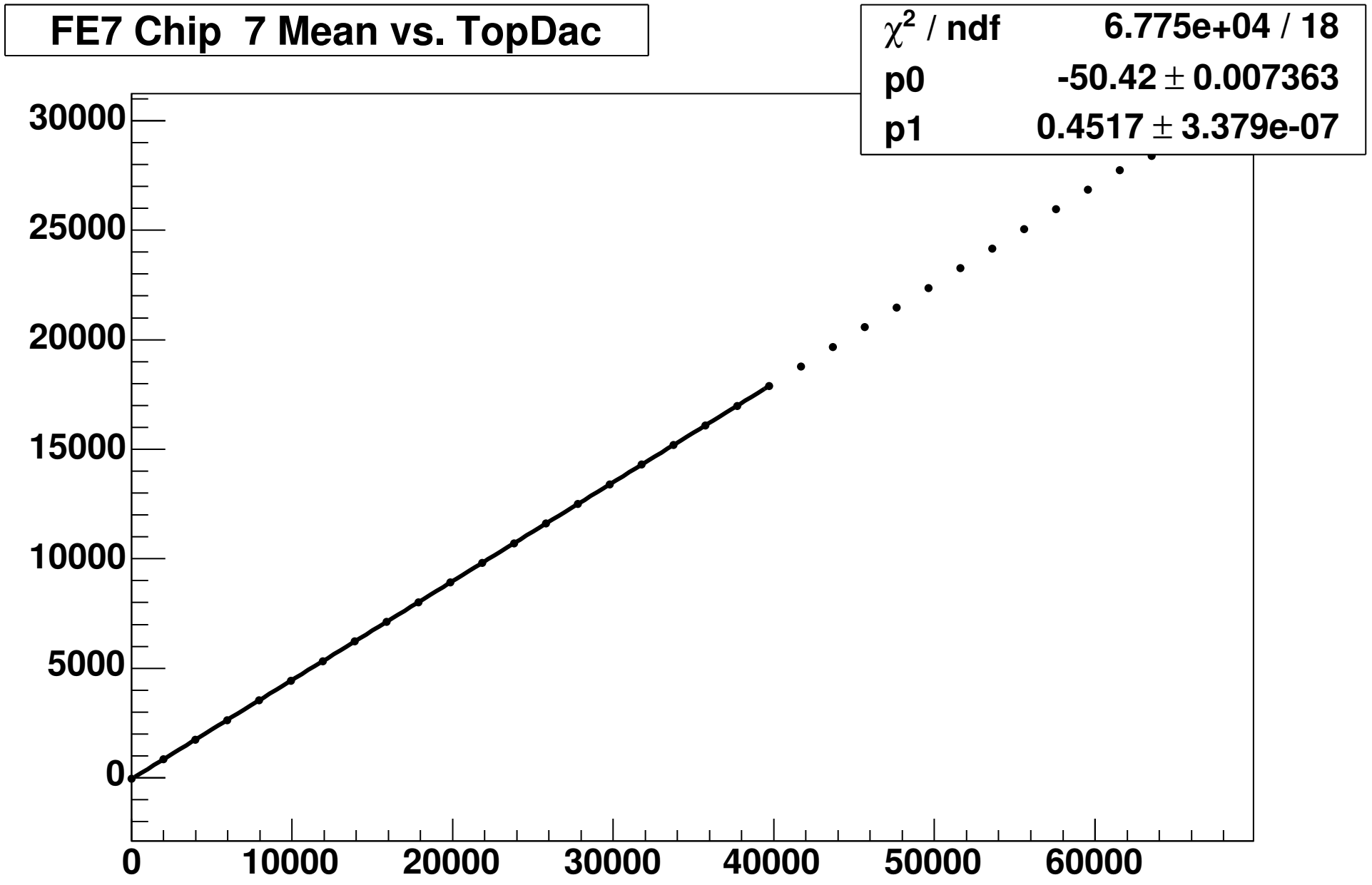

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 5.739 / 18
p0 1.435 ± 0.002417
p1 3.45e-14 ± 4.217e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

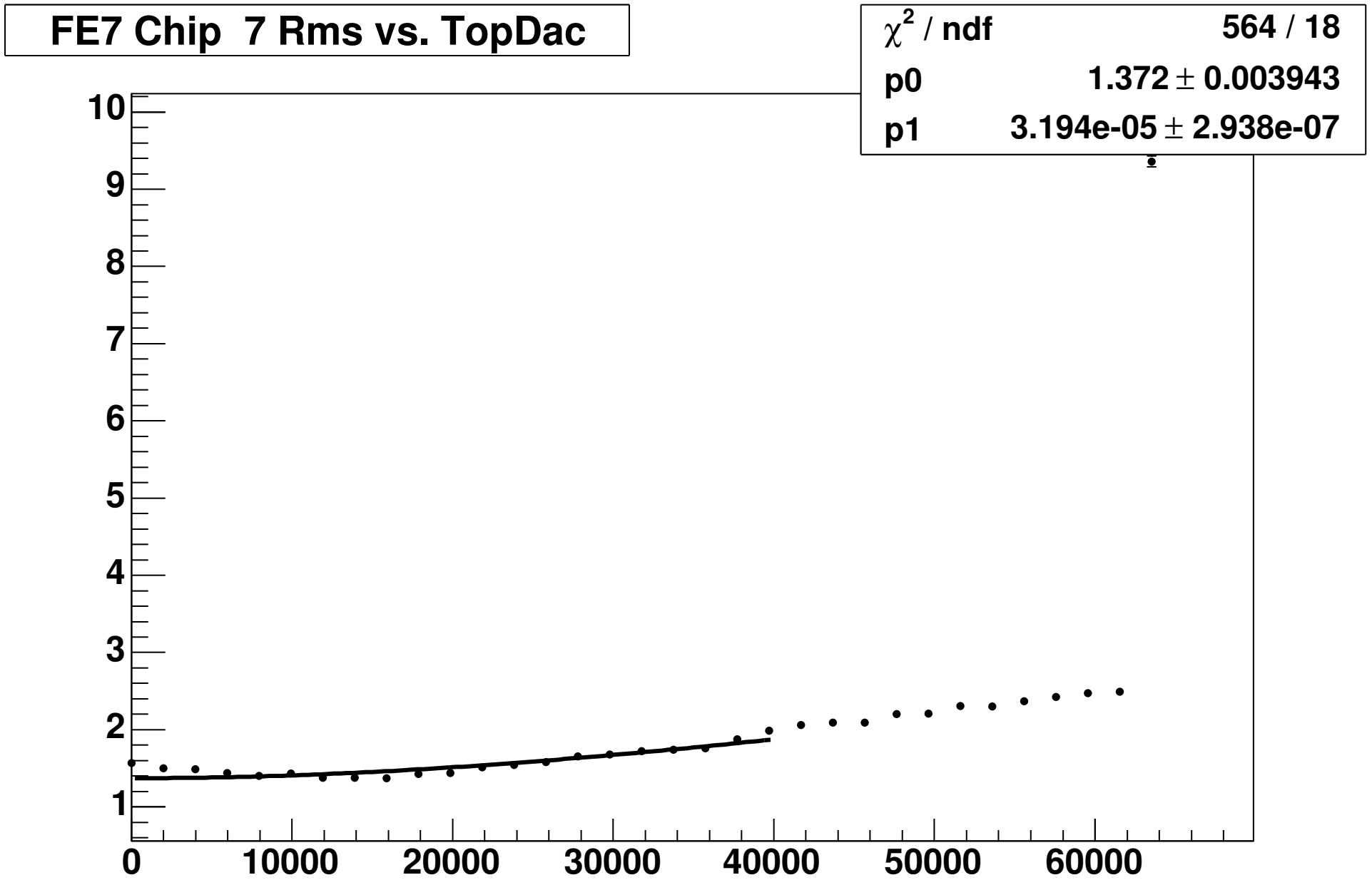

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 7.274e+04 / 18
p0 -54.29 ± 0.007178
p1 0.4517 ± 3.328e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

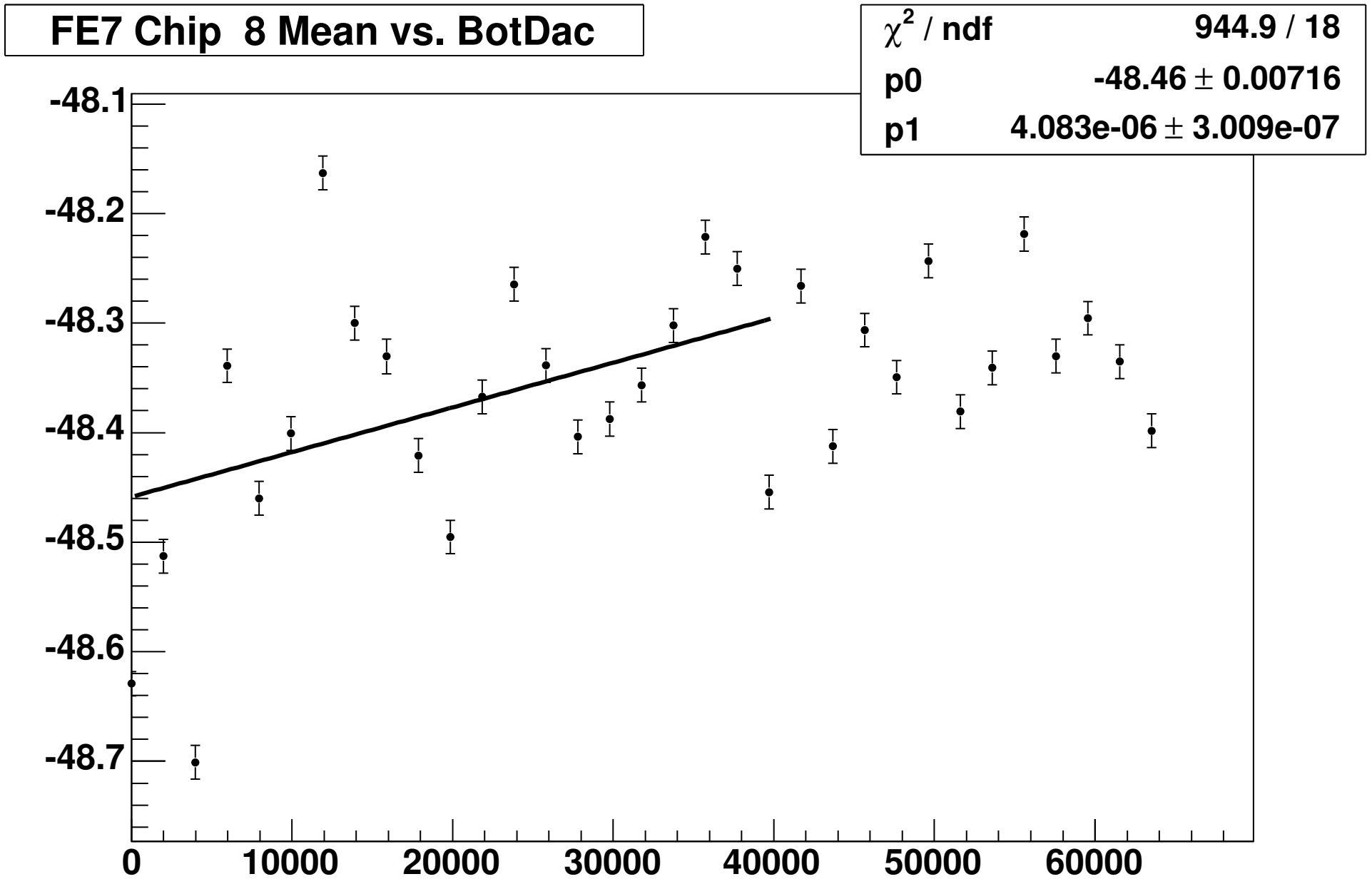

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 221.8 / 18
p0 1.346 ± 0.003901
p1 3.367e-05 ± 2.787e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

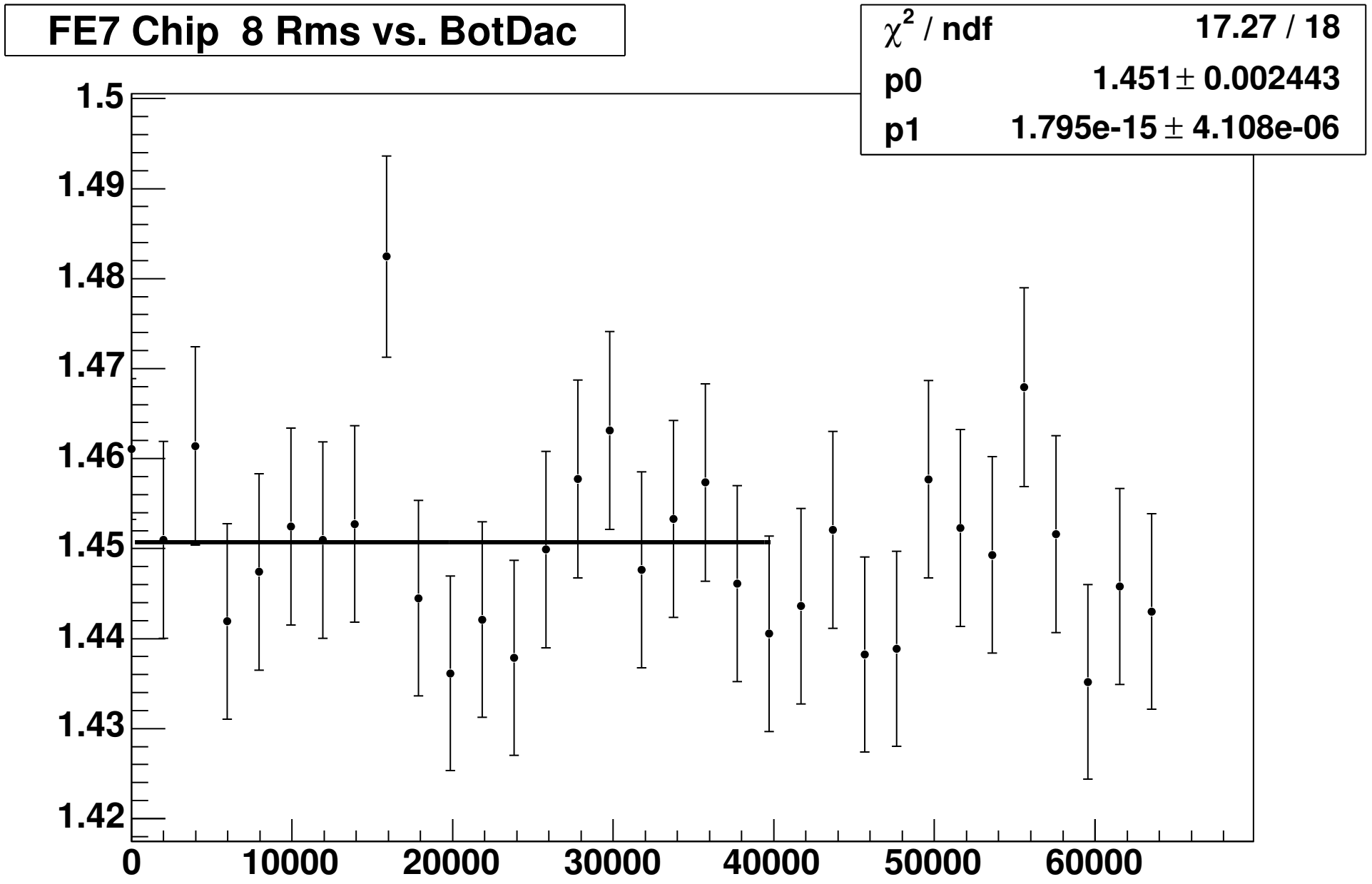

FE7 Chip 7 Mean vs. BotDac
χ^2 / ndf 945.6 / 18
p0 -50.62 ± 0.007504
p1 3.199e-07 ± 3.157e-07
-50.3
-50.4
-50.5
-50.6
-50.7
-50.8
-50.9
0
10000
20000
30000
40000
50000
60000

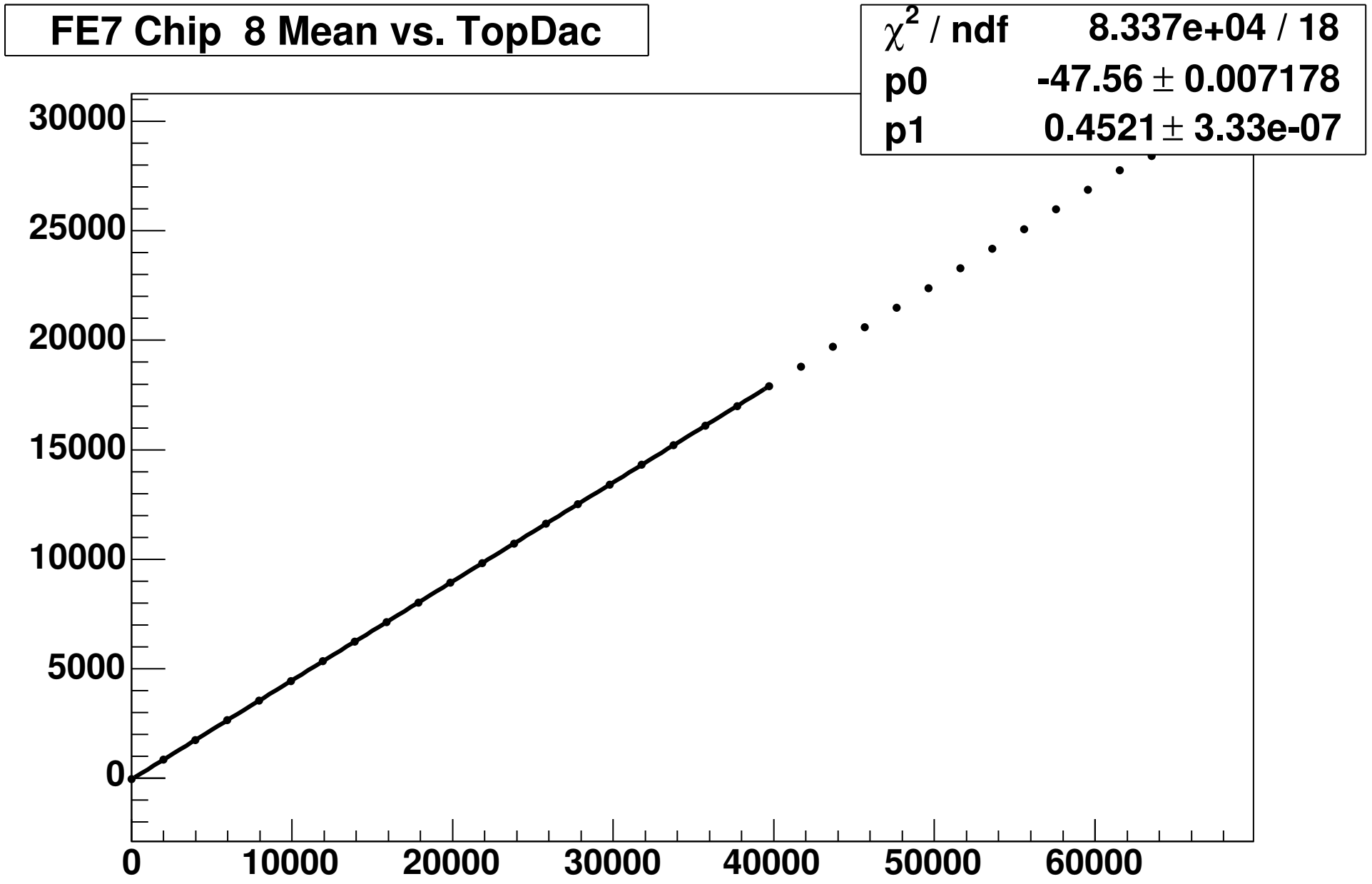

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 13.97 / 18
p0 1.52 ± 0.003899
p1 1.934e-06 ± 4.1e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

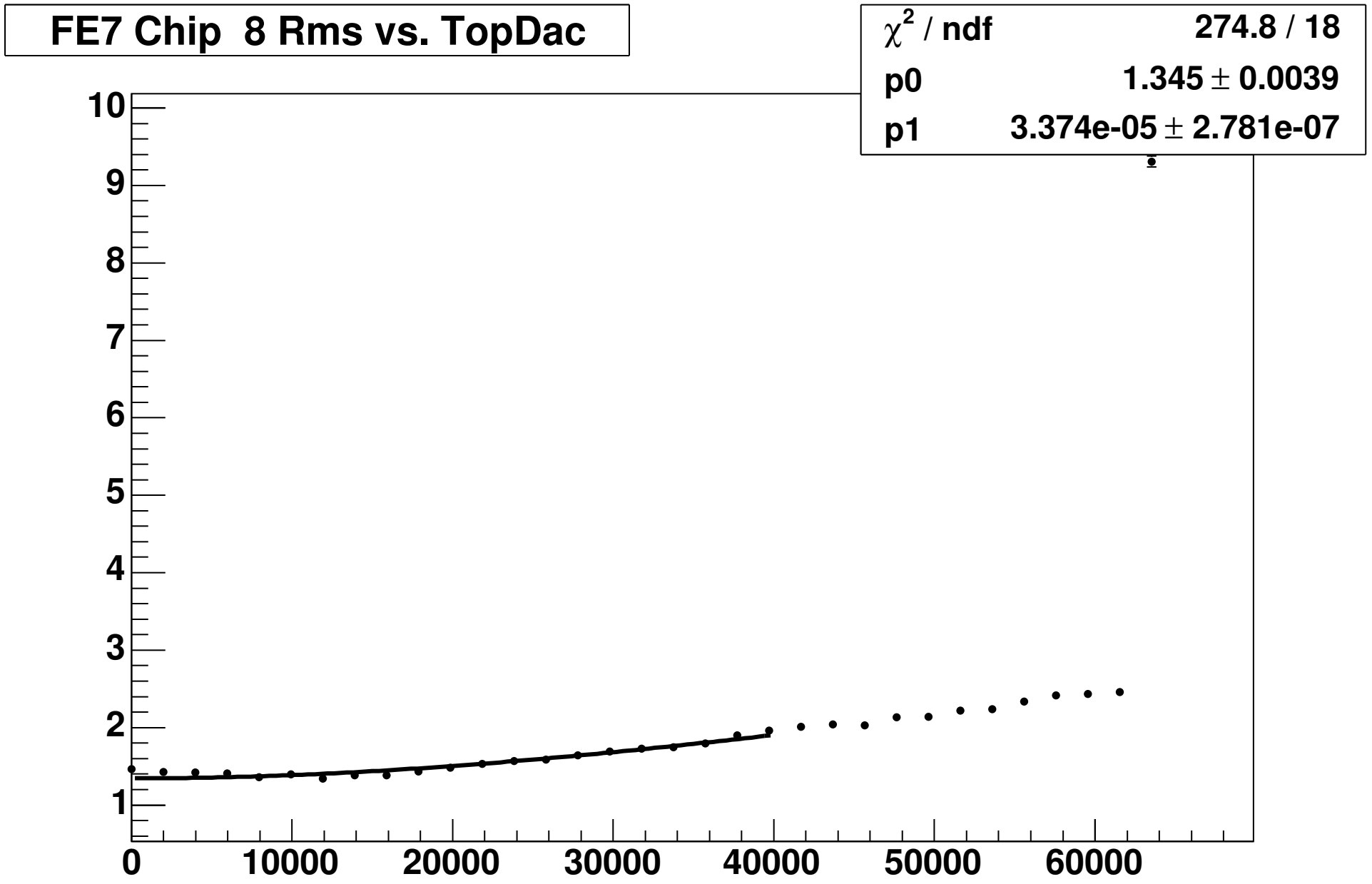

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 6.775e+04 / 18
p0 -50.42 ± 0.007363
p1 0.4517 ± 3.379e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

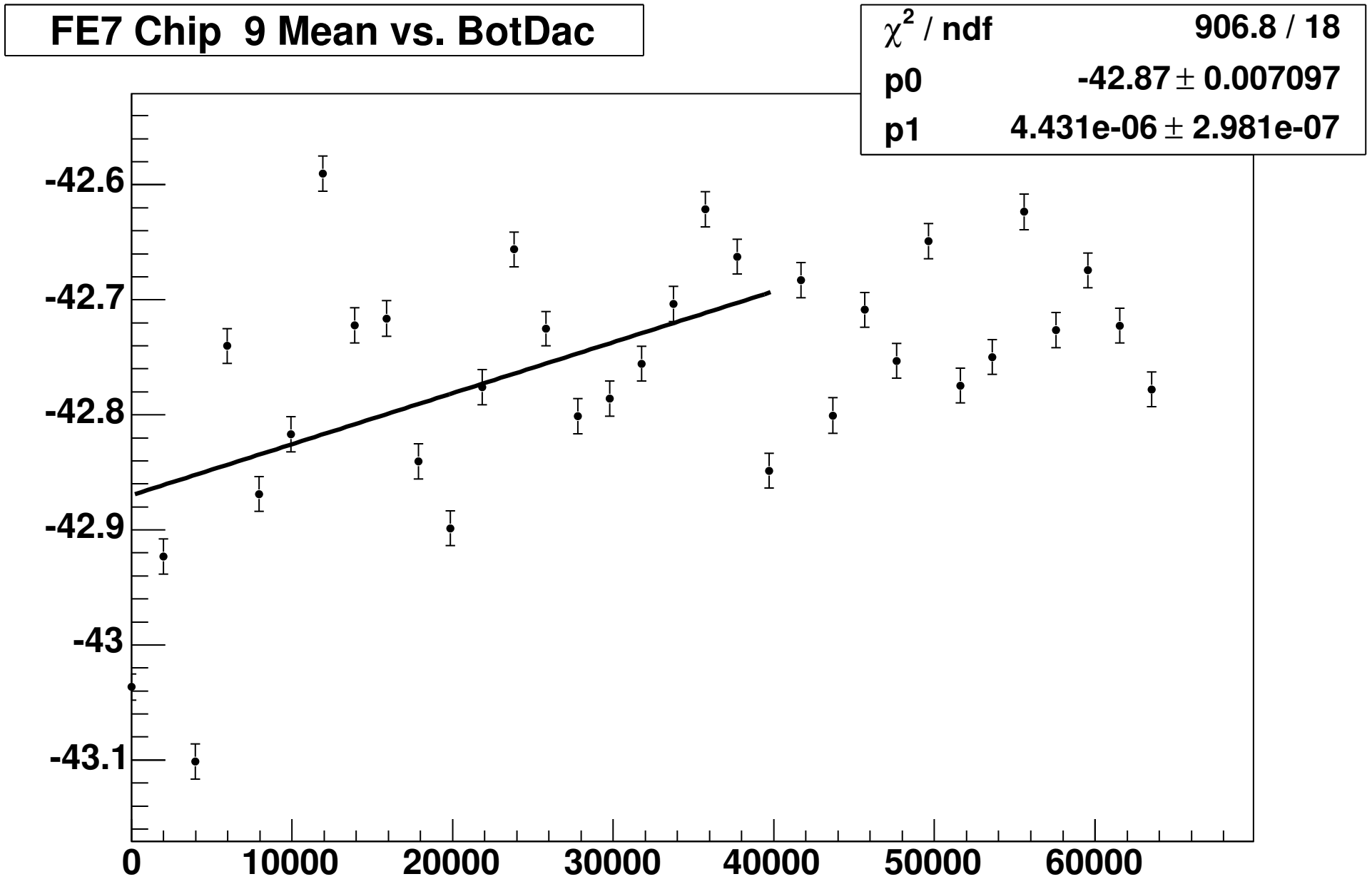

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 564 / 18
p0 1.372 ± 0.003943
p1 3.194e-05 ± 2.938e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

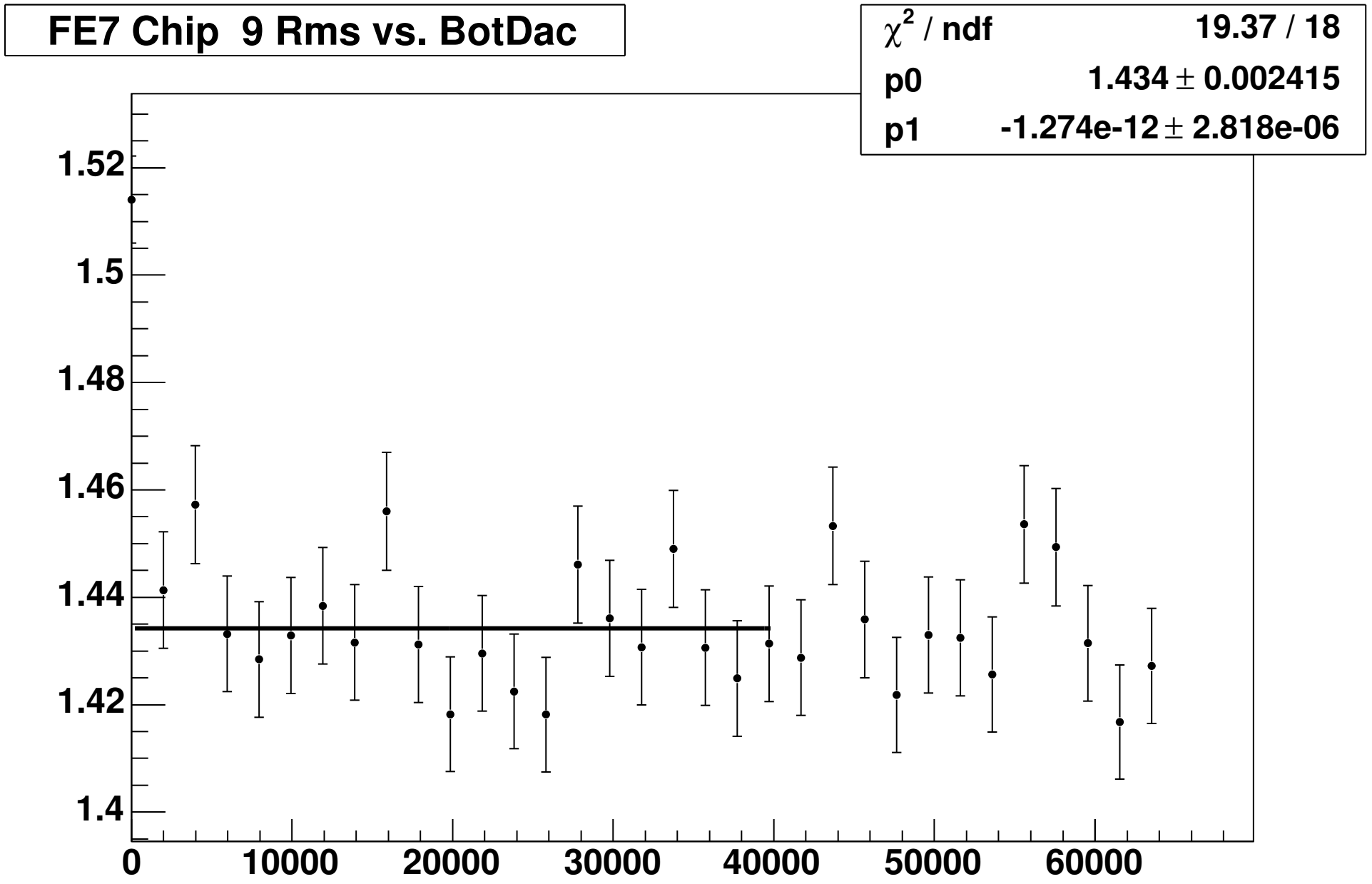

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 944.9 / 18
p0 -48.46 ± 0.00716
p1 4.083e-06 ± 3.009e-07
-48.1
-48.2
-48.3
-48.4
-48.5
-48.6
-48.7
0
10000
20000
30000
40000
50000
60000

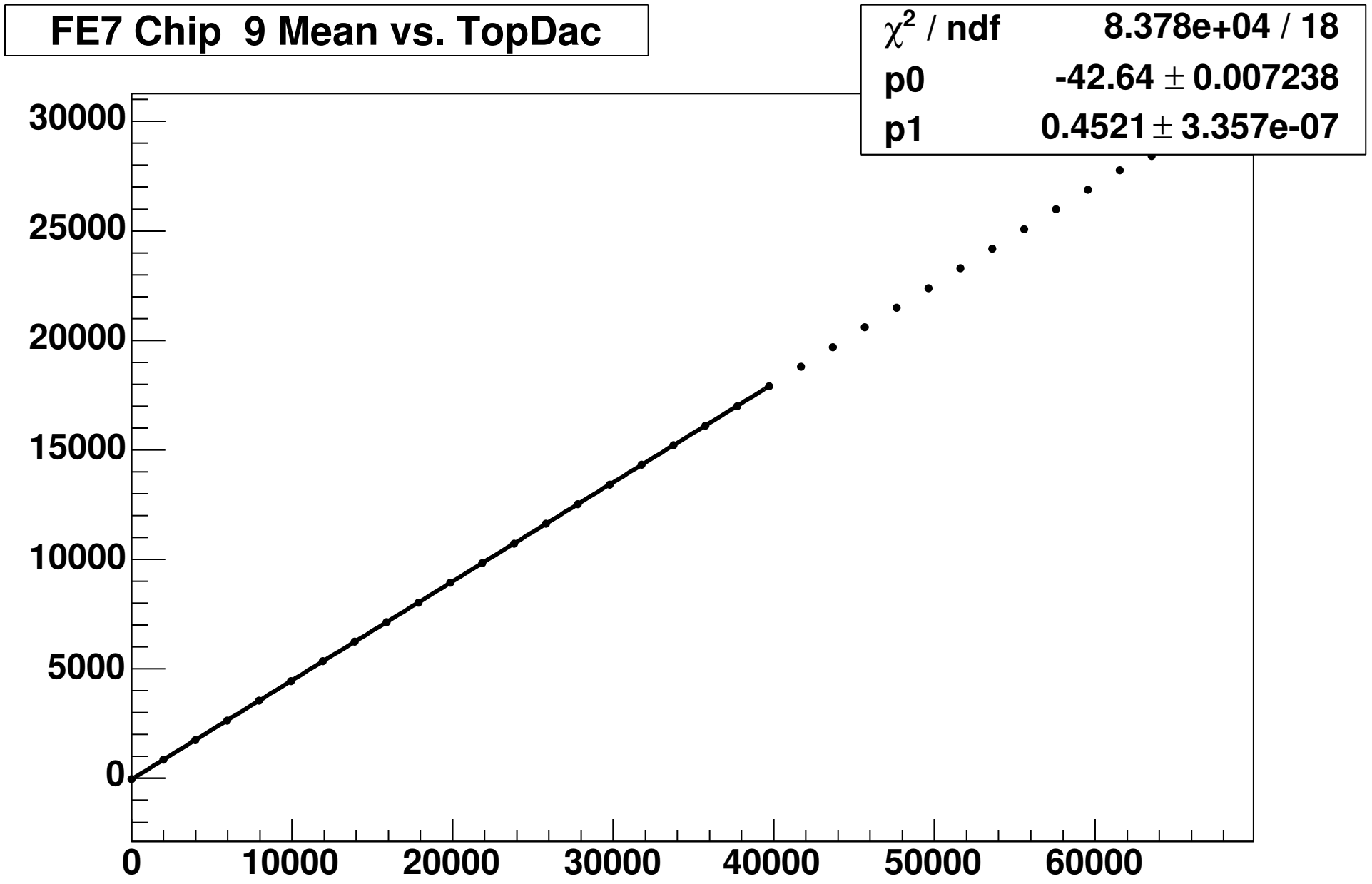

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 17.27 / 18
p0 1.451 ± 0.002443
p1 1.795e-15 ± 4.108e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

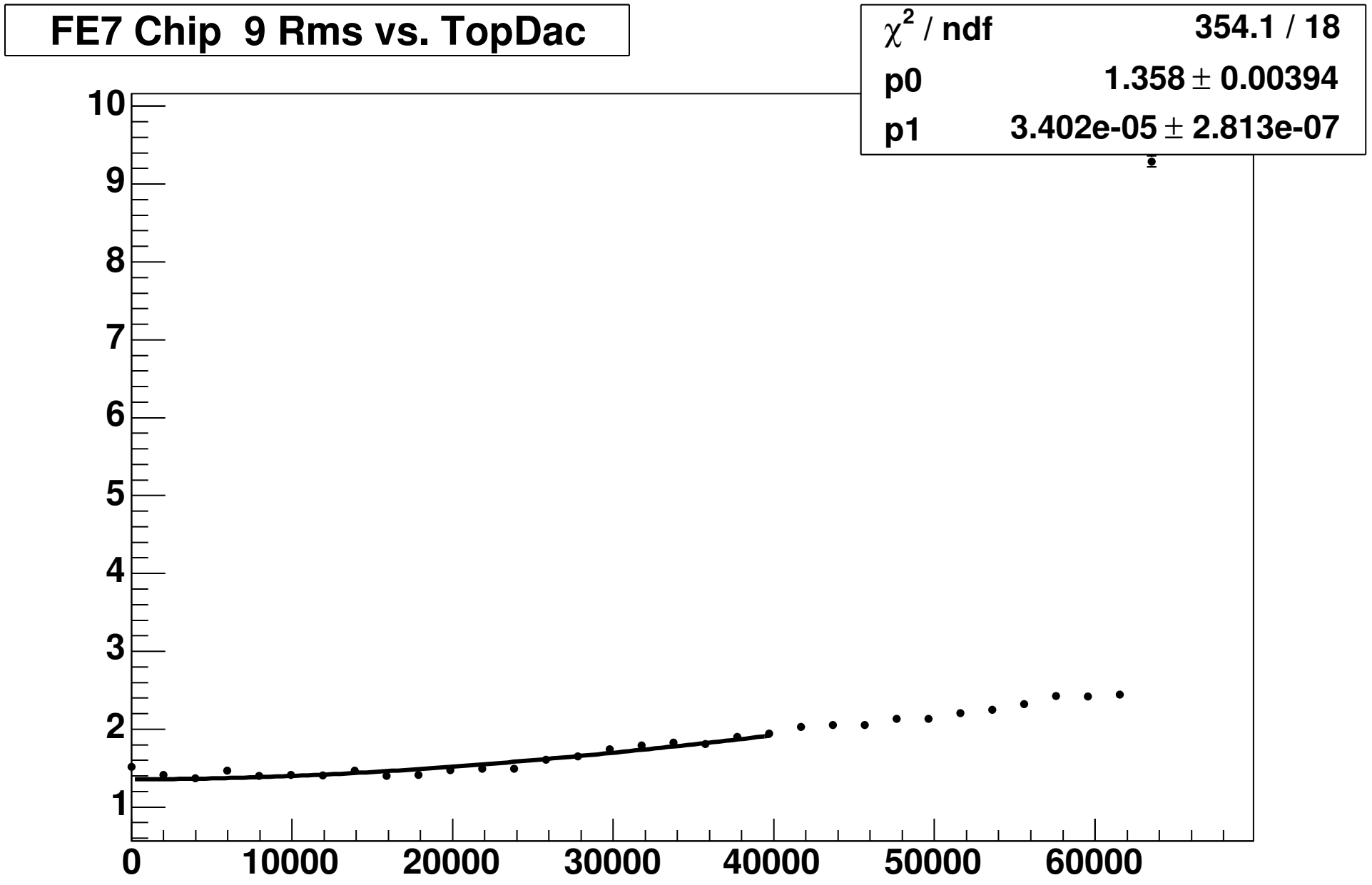

FE7 Chip 8 Mean vs. TopDac
χ^2 / ndf 8.337e+04 / 18
p0 -47.56 ± 0.007178
p1 0.4521 ± 3.33e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

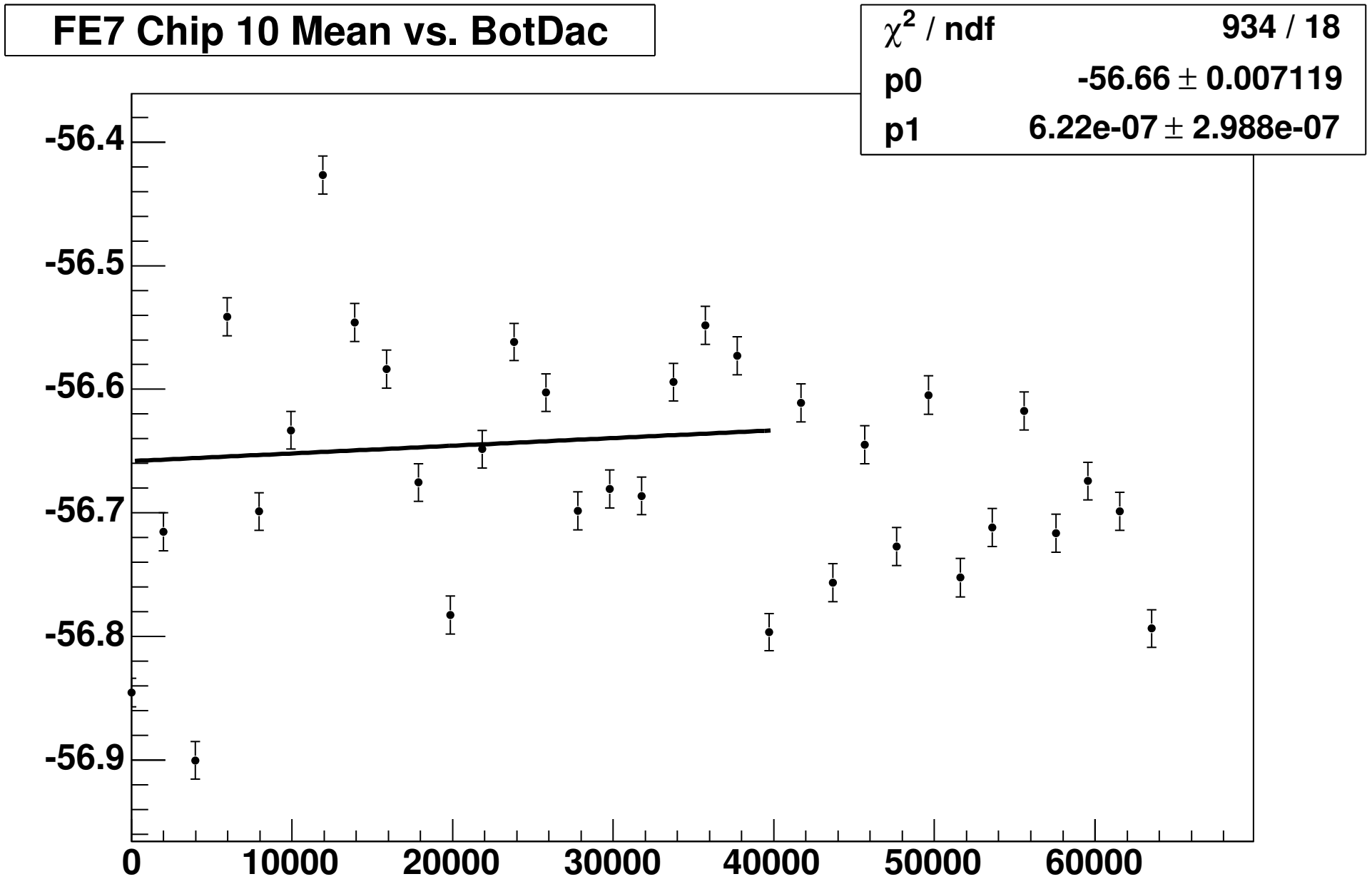

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 274.8 / 18
p0 1.345 ± 0.0039
p1 3.374e-05 ± 2.781e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

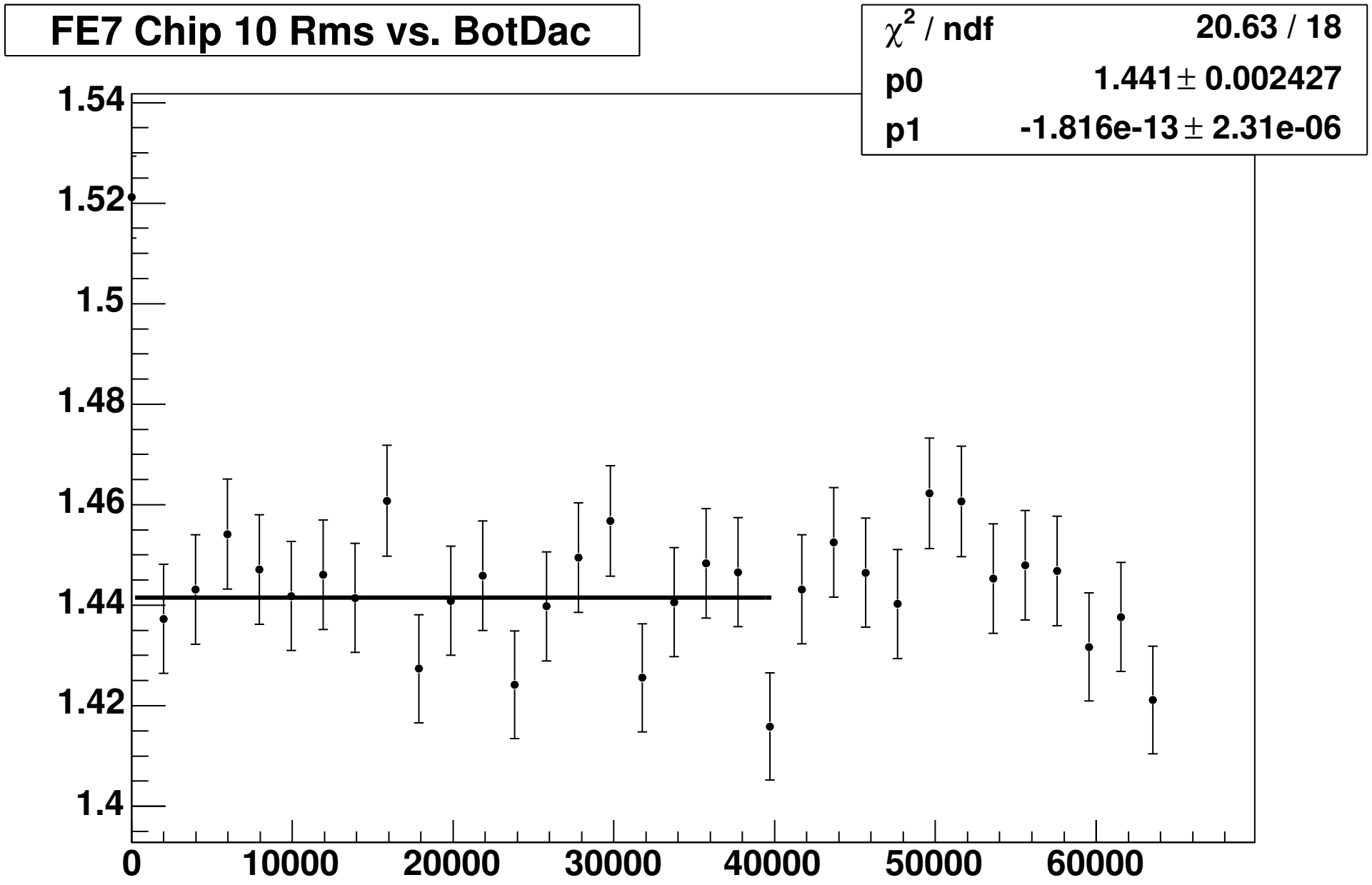

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 906.8 / 18
p0 -42.87 ± 0.007097
p1 4.431e-06 ± 2.981e-07
-42.6
-42.7
-42.8
-42.9
-43
-43.1
0
10000
20000
30000
40000
50000
60000

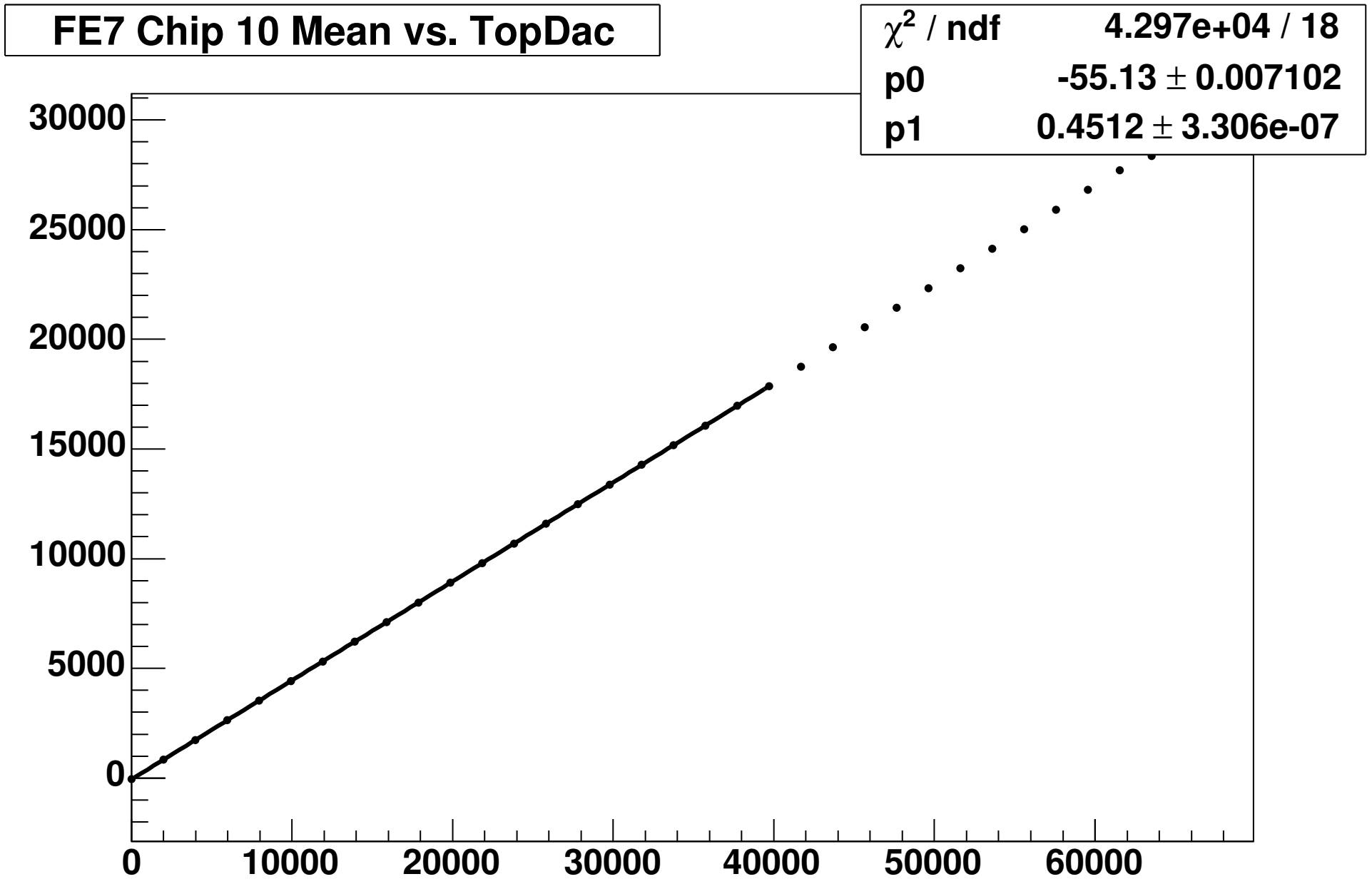

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 19.37 / 18
p0 1.434 ± 0.002415
p1 -1.274e-12 ± 2.818e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

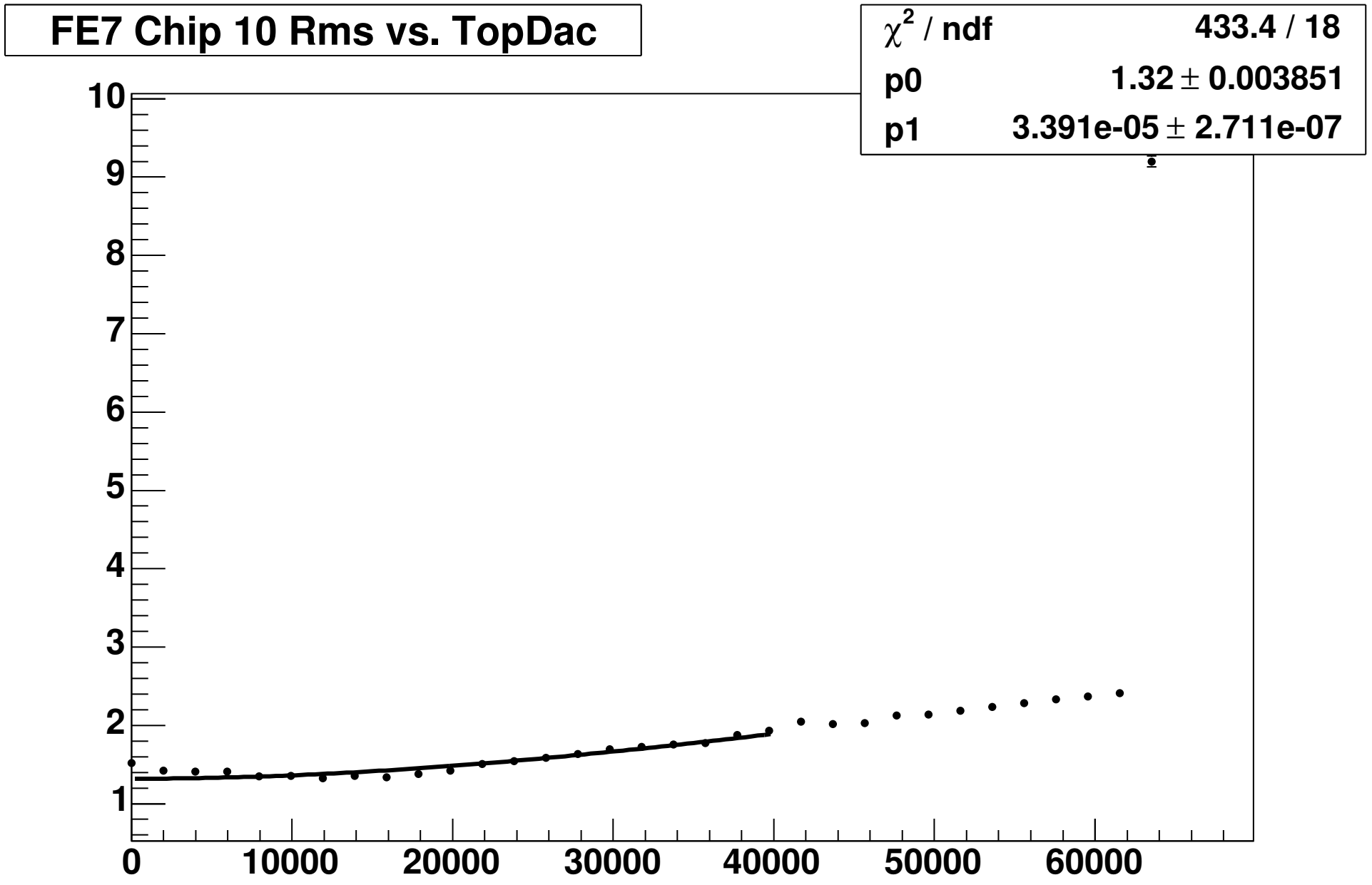

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 8.378e+04 / 18
p0 -42.64 ± 0.007238
p1 0.4521 ± 3.357e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

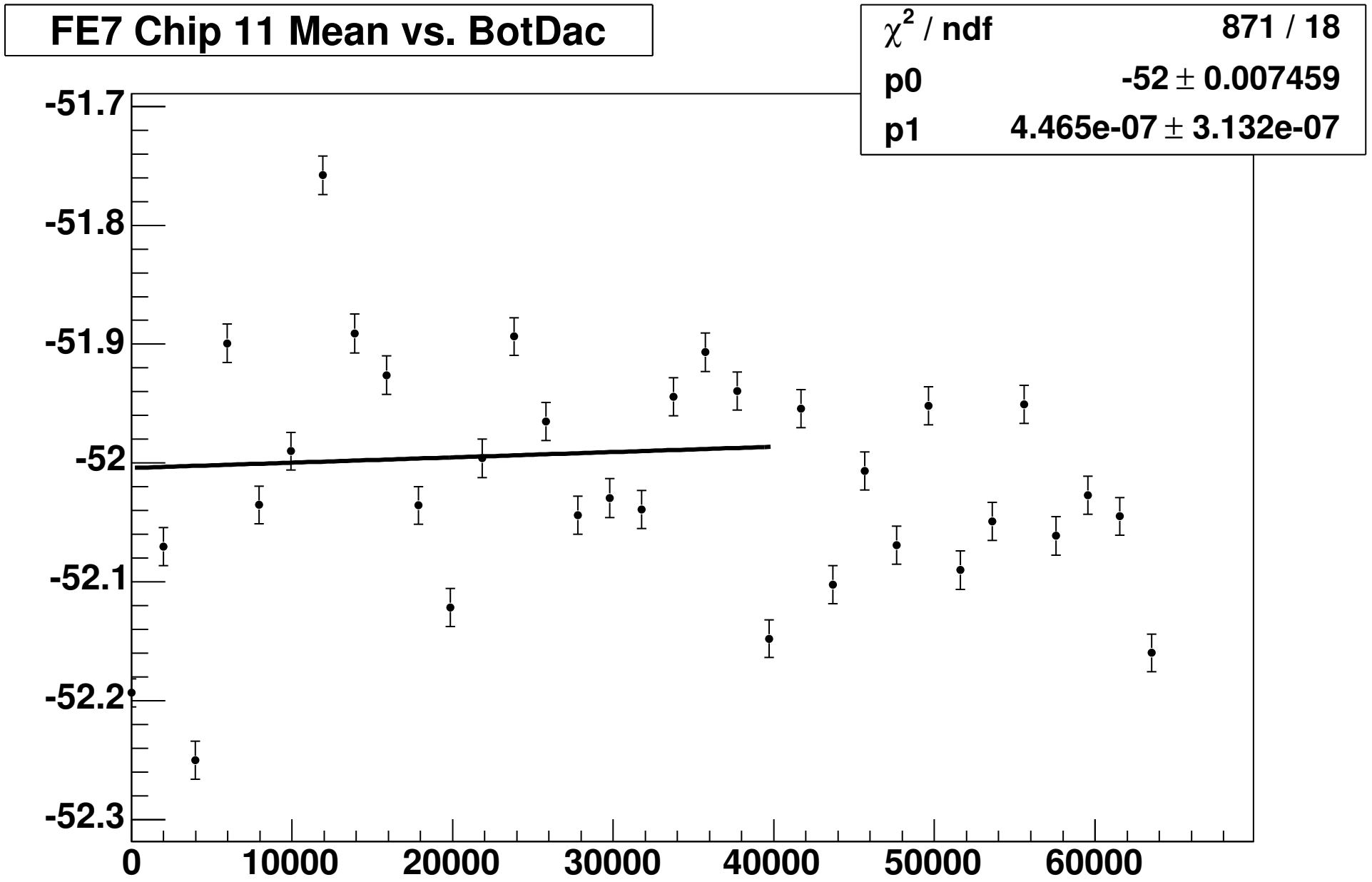

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 354.1 / 18
p0 1.358 ± 0.00394
p1 3.402e-05 ± 2.813e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

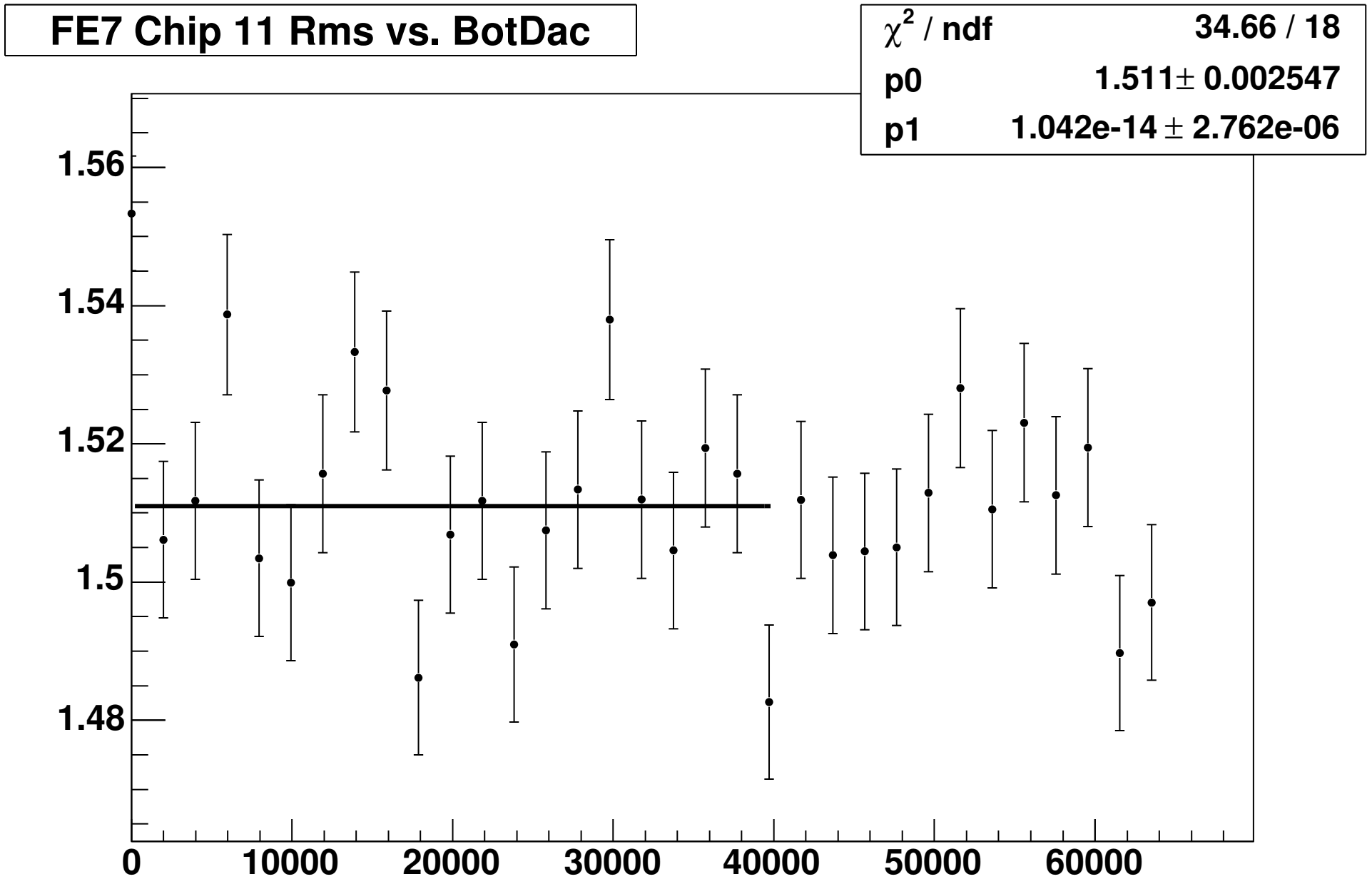

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 934 / 18
p0 -56.66 ± 0.007119
p1 6.22e-07 ± 2.988e-07
-56.4
-56.5
-56.6
-56.7
-56.8
-56.9
0
10000
20000
30000
40000
50000
60000

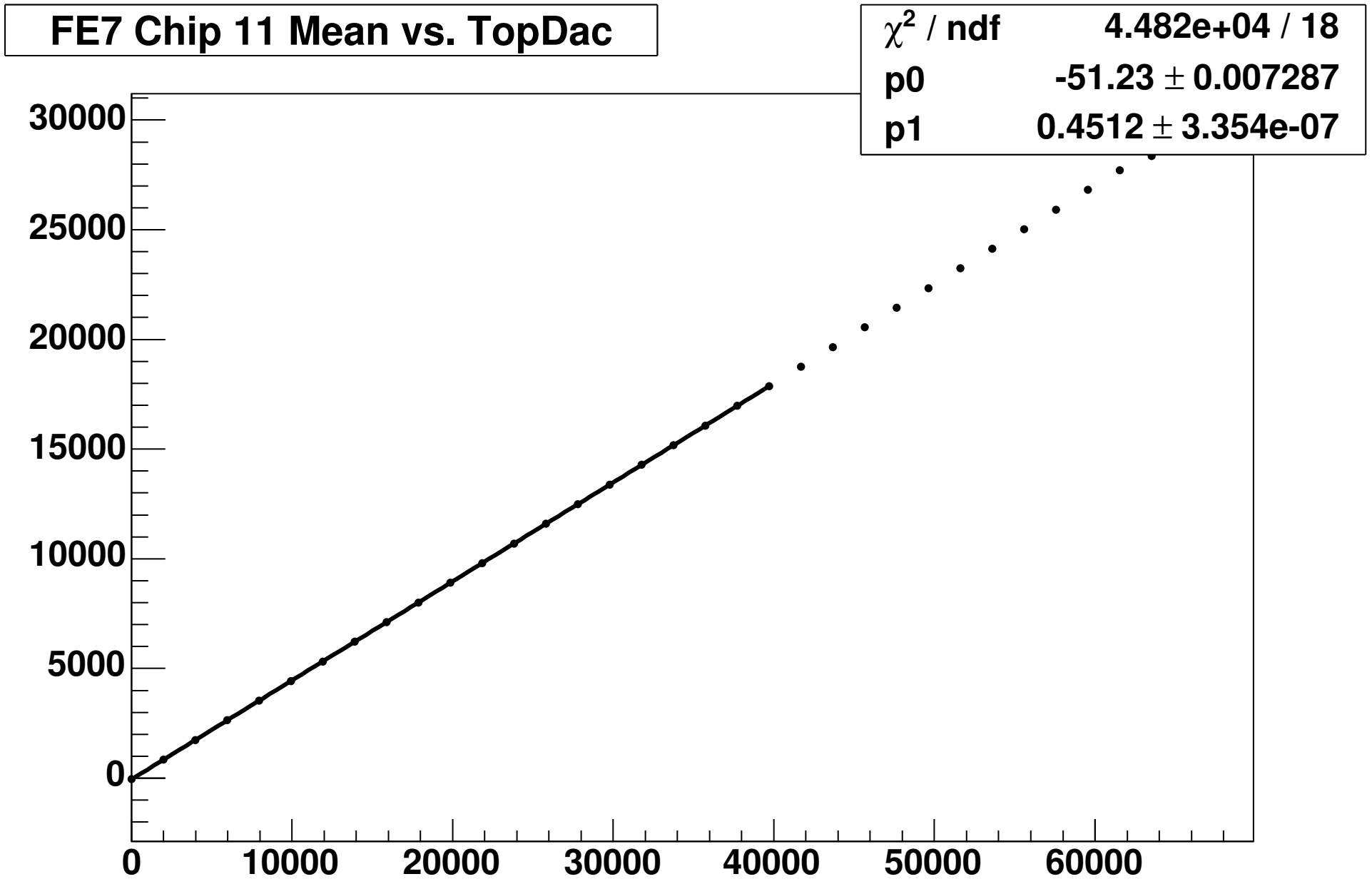

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 20.63 / 18
p0 1.441 ± 0.002427
p1 -1.816e-13 ± 2.31e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

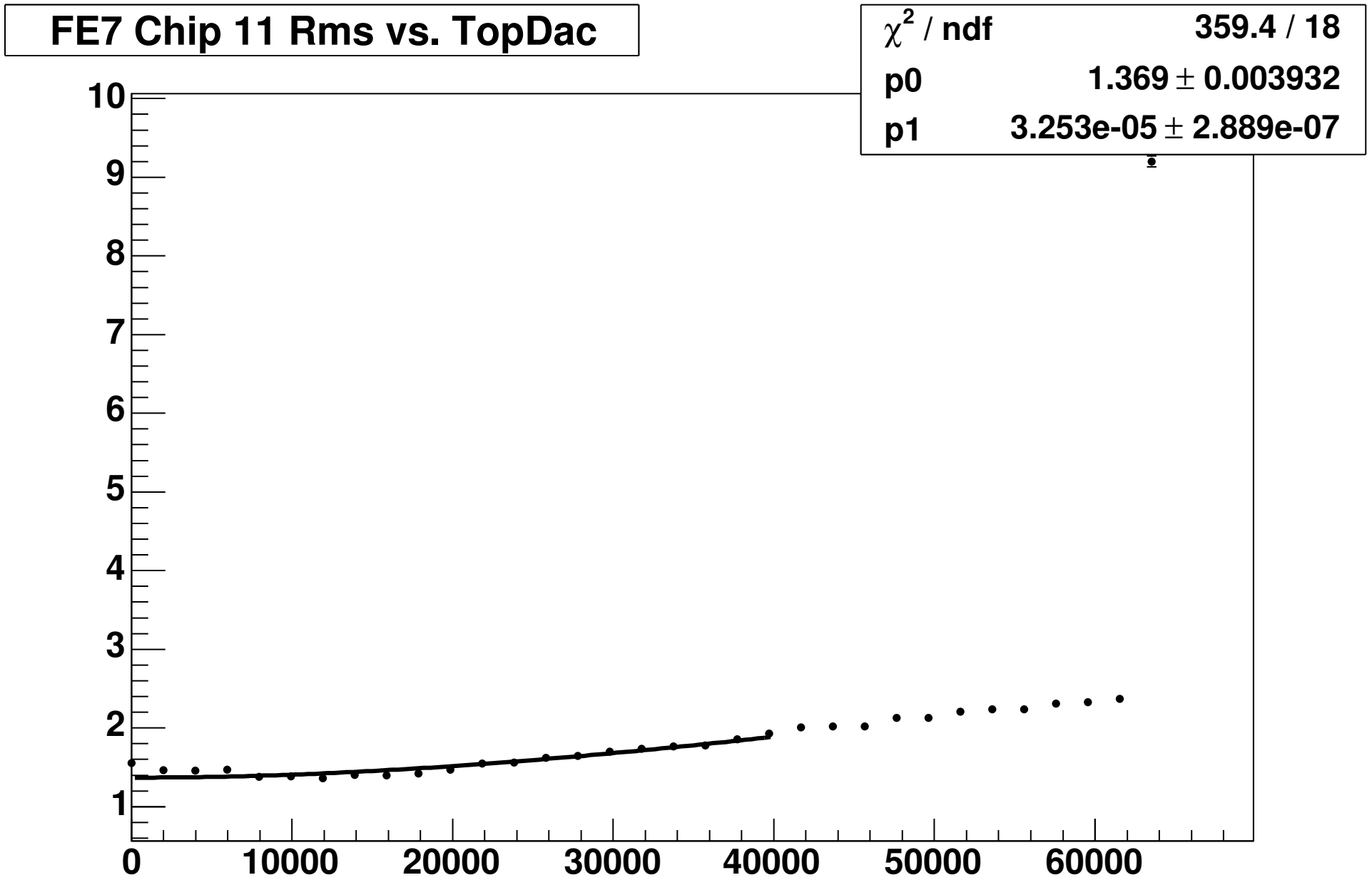

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 4.297e+04 / 18
p0 -55.13 ± 0.007102
p1 0.4512 ± 3.306e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

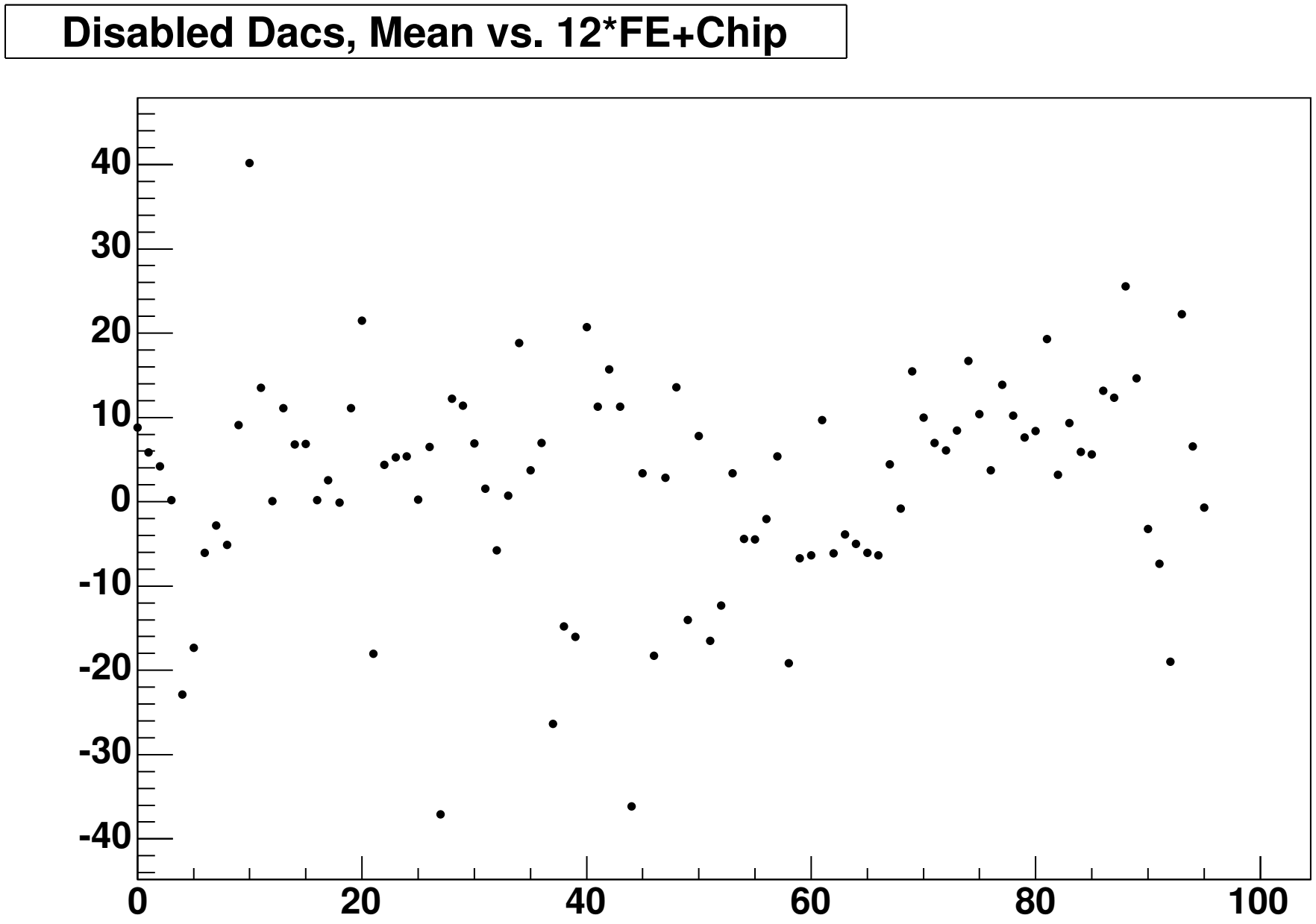

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 433.4 / 18
p0 1.32 ± 0.003851
p1 3.391e-05 ± 2.711e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

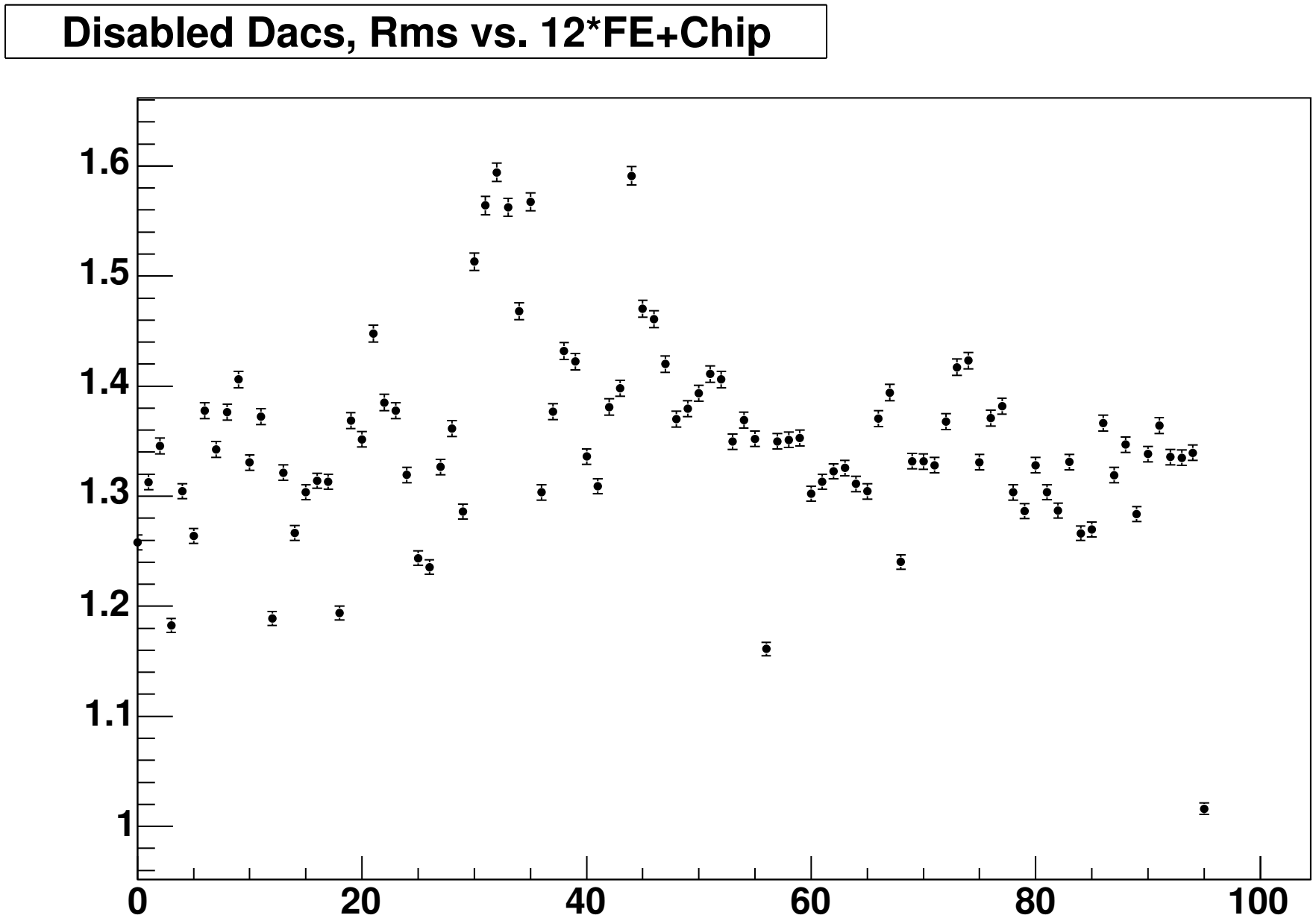

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 871 / 18
p0 -52 ± 0.007459
p1 4.465e-07 ± 3.132e-07
-51.7
-51.8
-51.9
-52
-52.1
-52.2
-52.3
0
10000
20000
30000
40000
50000
60000

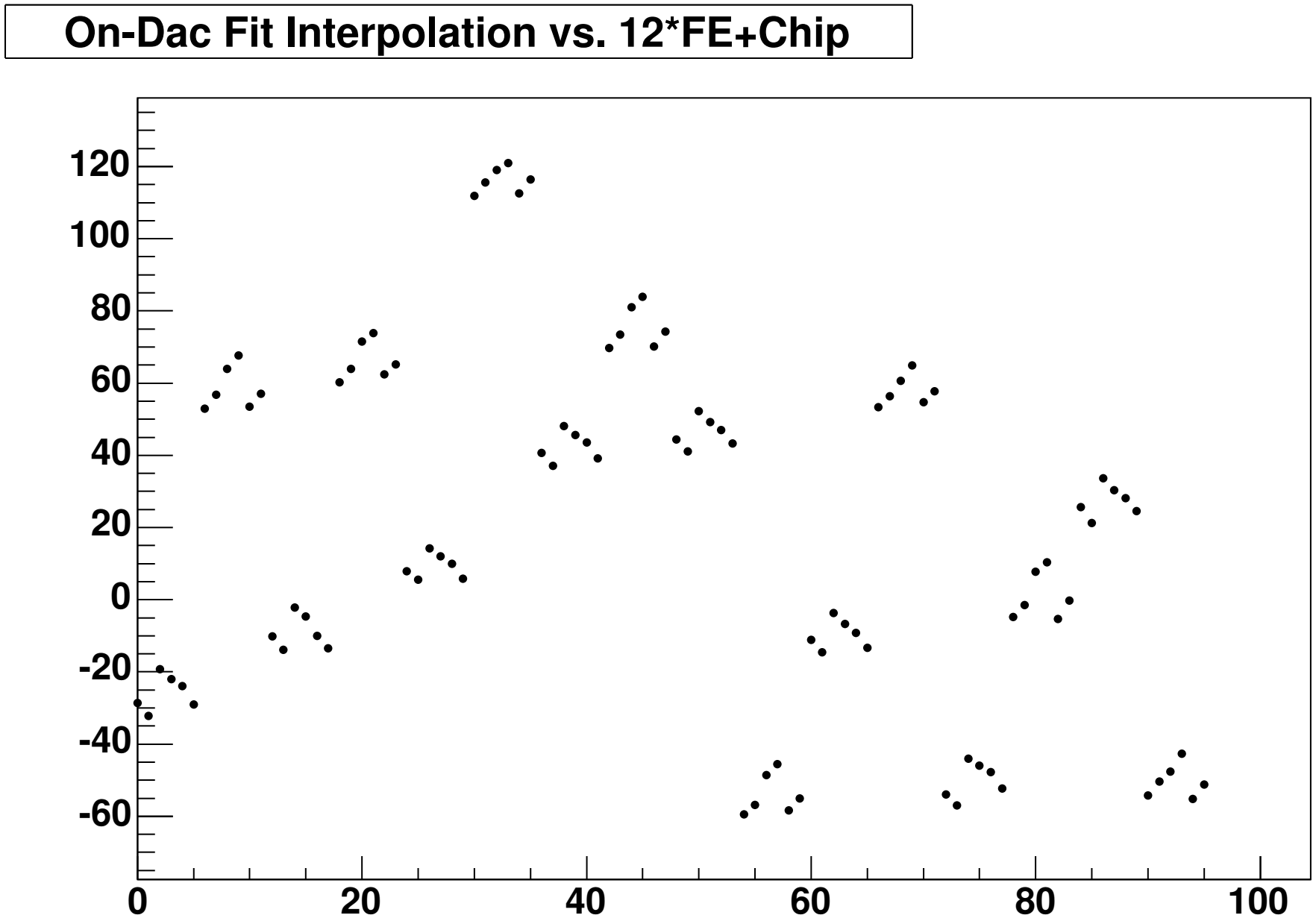

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 34.66 / 18
p0 1.511 ± 0.002547
p1 1.042e-14 ± 2.762e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

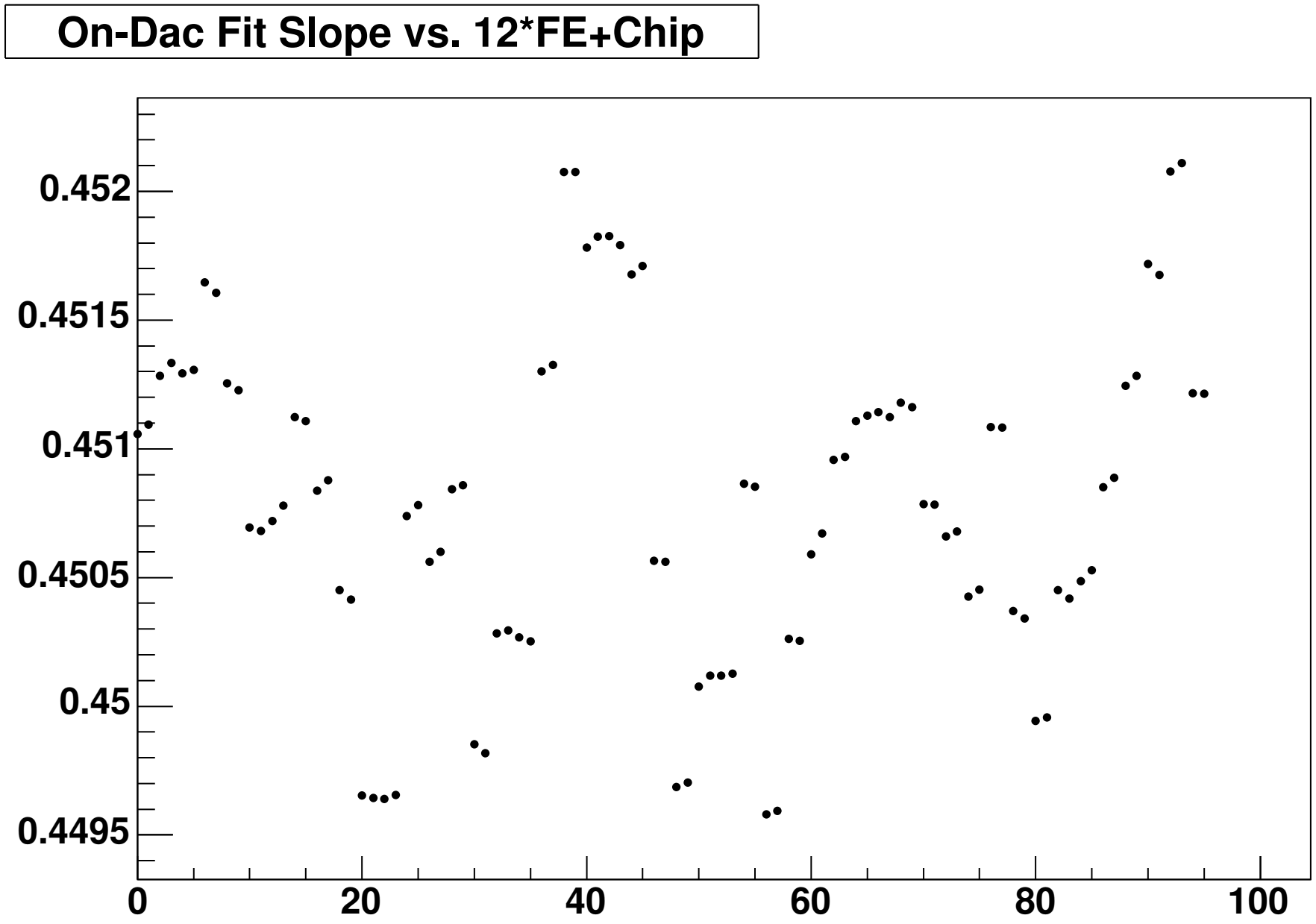

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 4.482e+04 / 18
p0 -51.23 ± 0.007287
p1 0.4512 ± 3.354e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

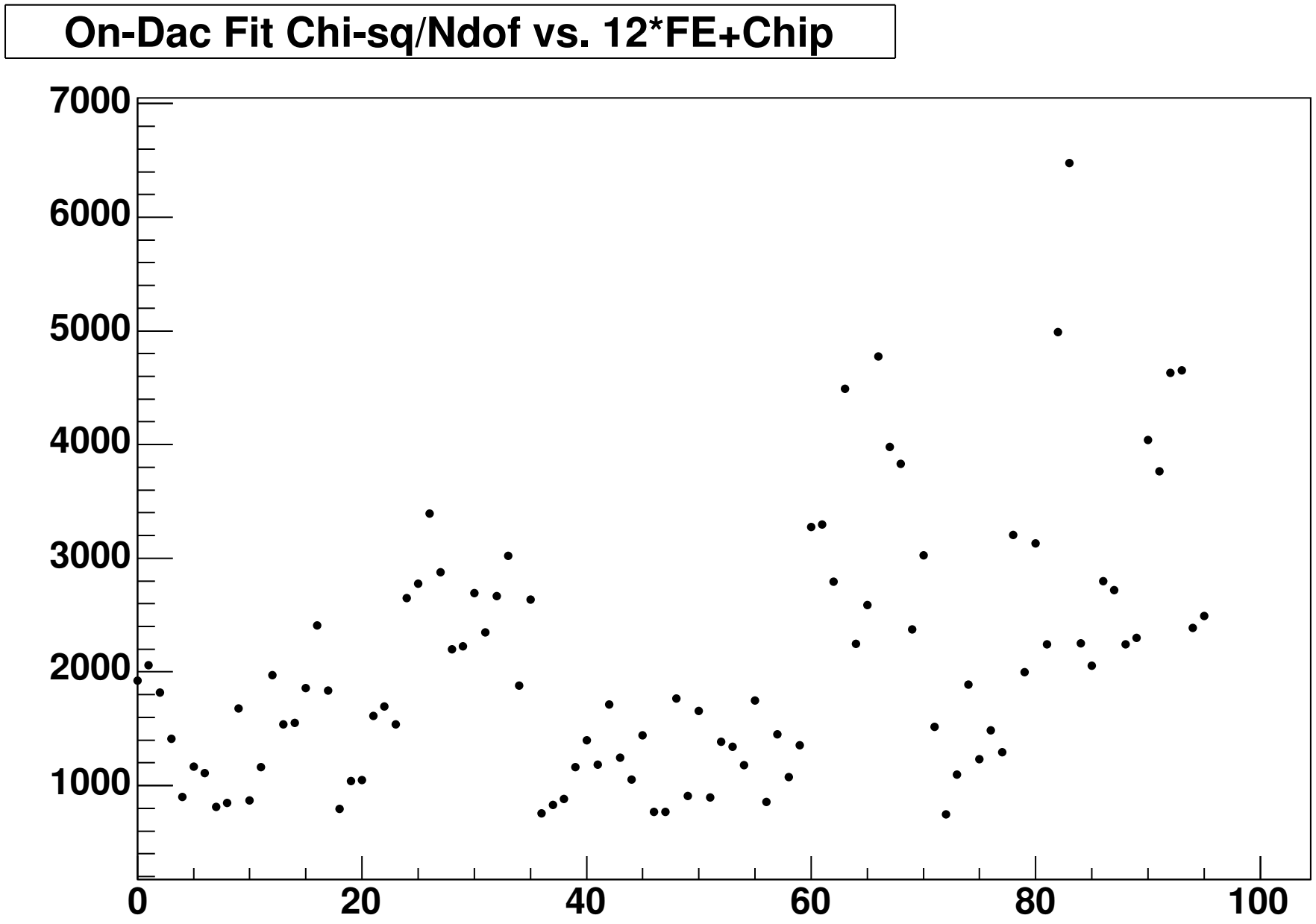

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 359.4 / 18
p0 1.369 ± 0.003932
p1 3.253e-05 ± 2.889e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

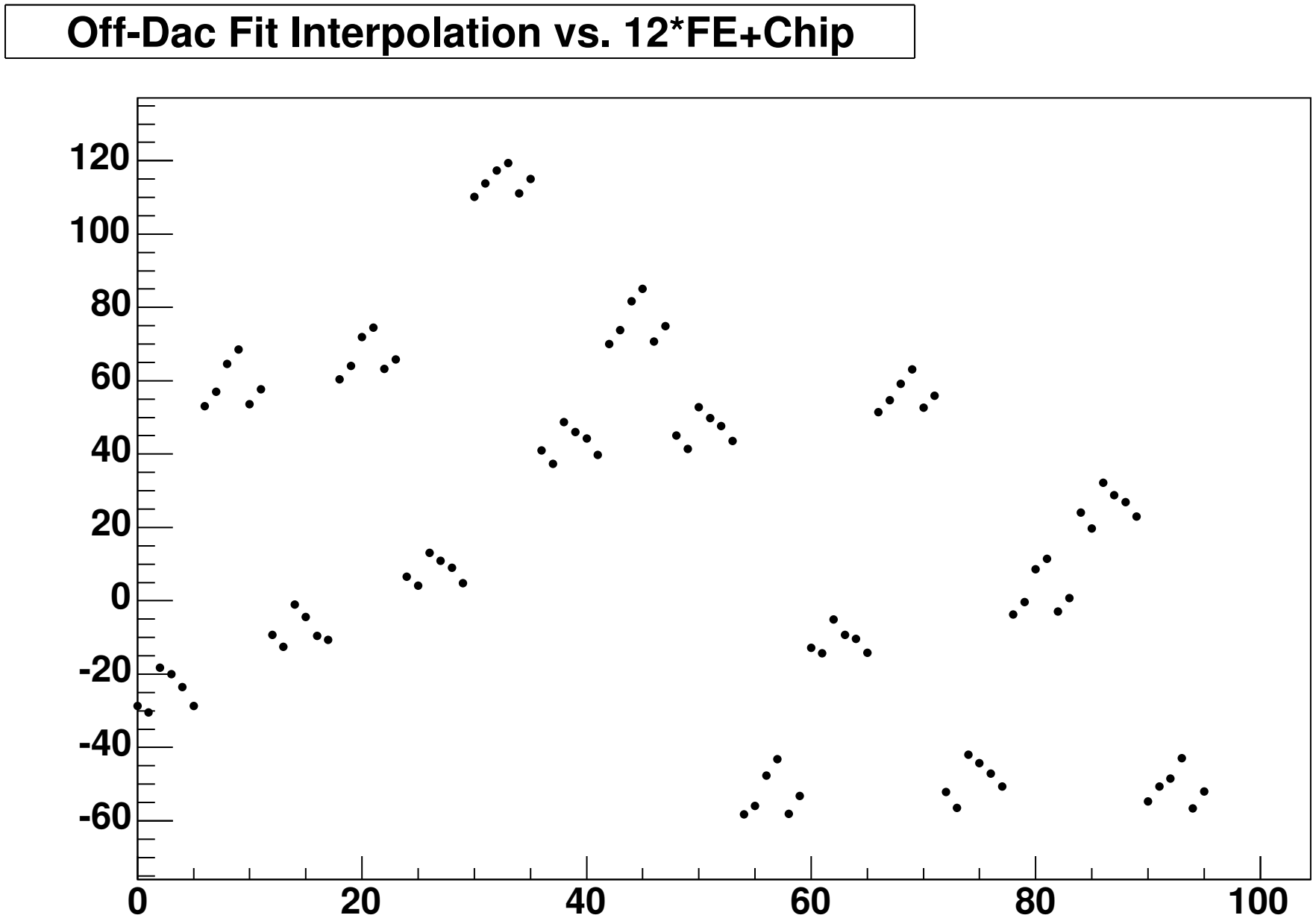

Disabled Dacs, Mean vs. 12*FE+Chip
40
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

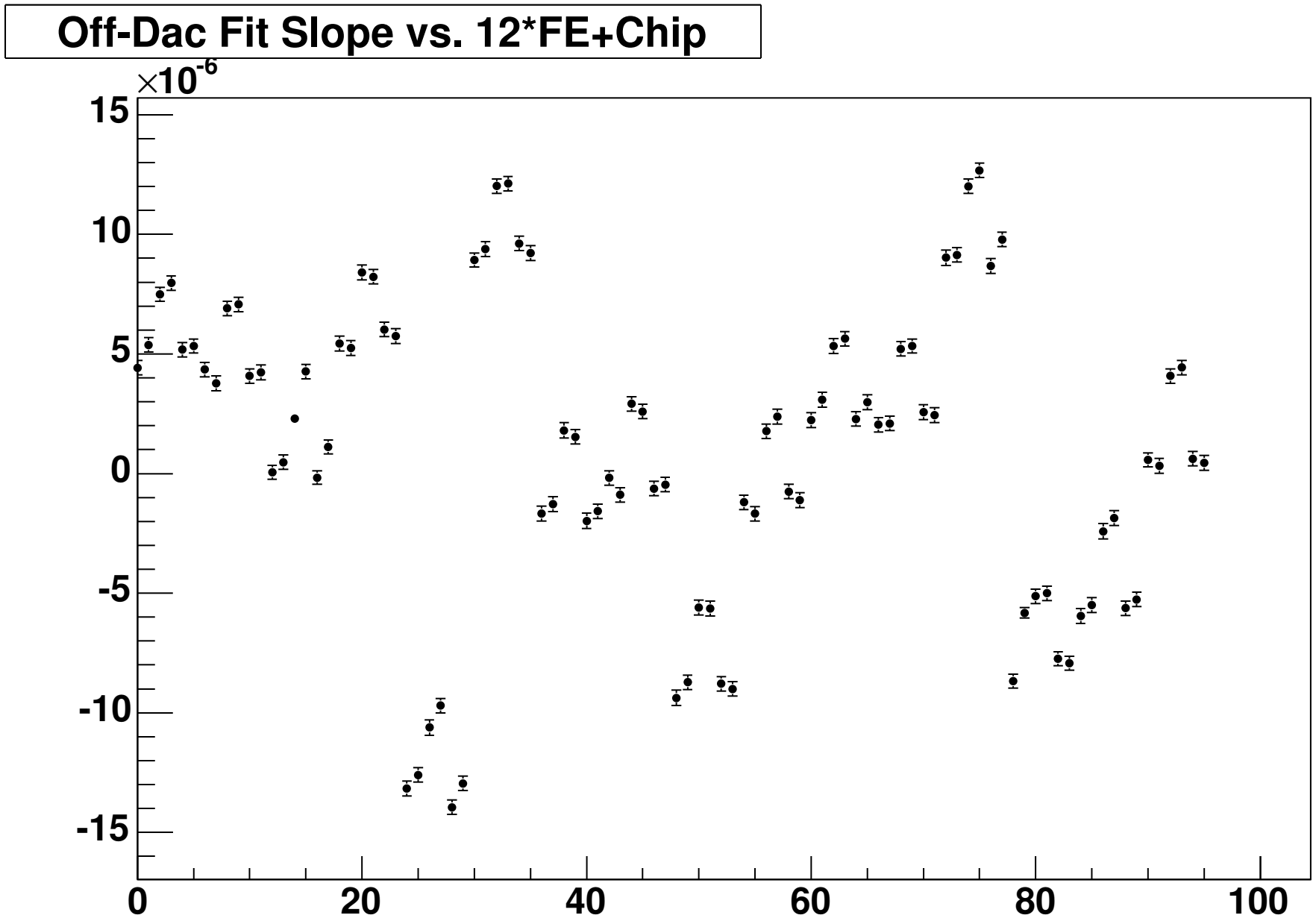

Disabled Dacs, Rms vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0
20
40
60
80
100

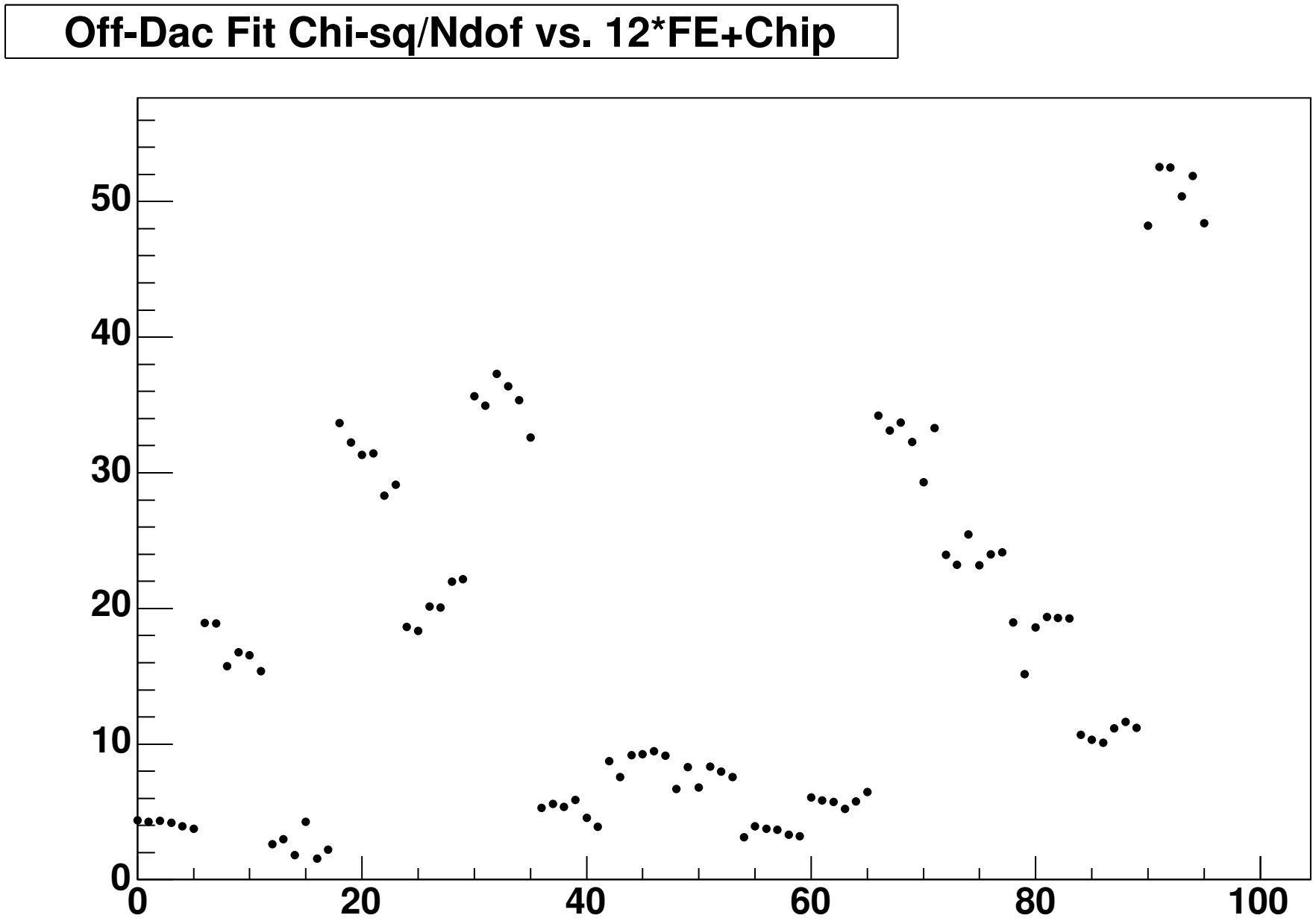

On-Dac Fit Interpolation vs. 12*FE+Chip
120
100
80
60
40
20
0
-20
-40
-60
0
20
40
60
80
100

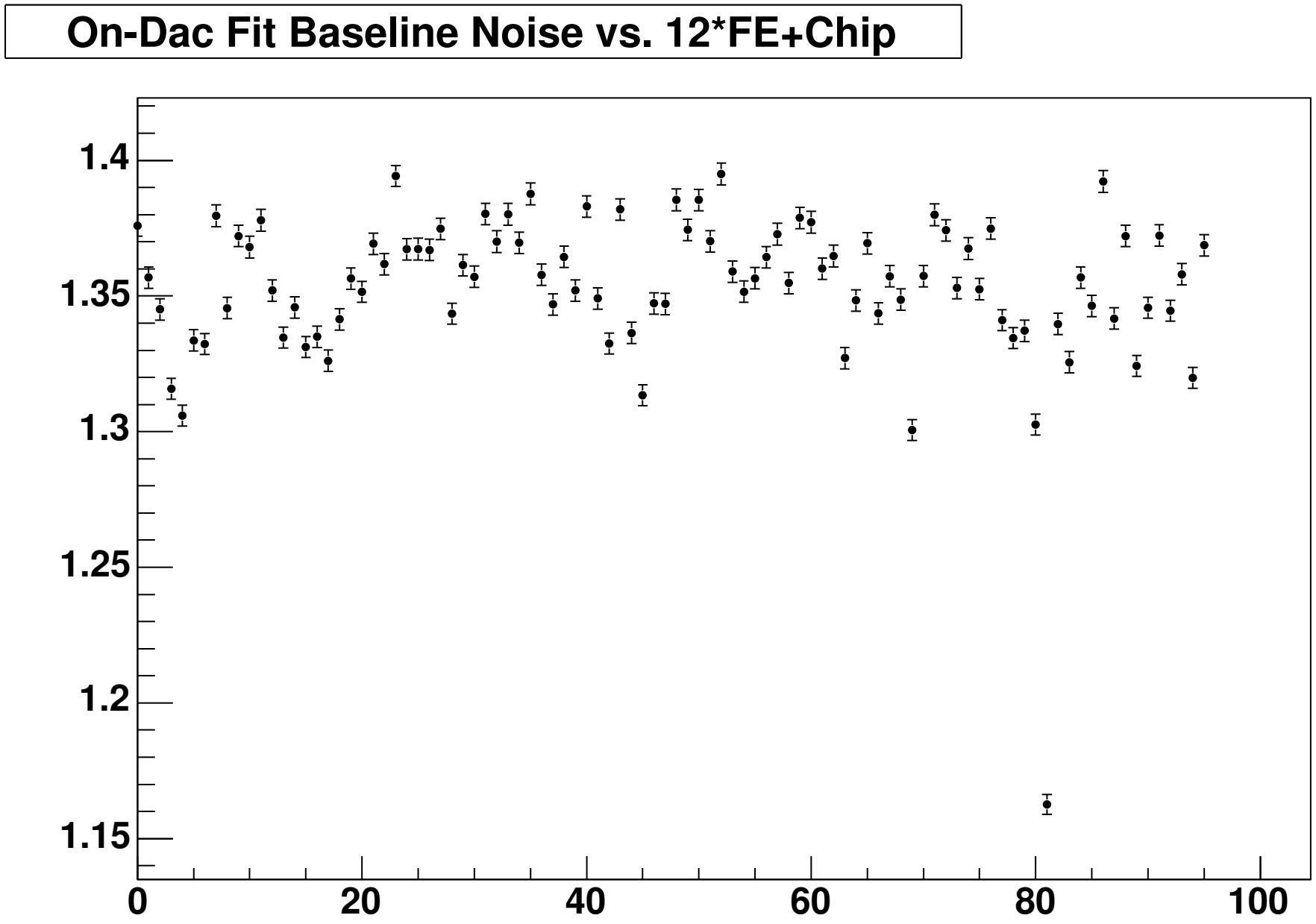

On-Dac Fit Slope vs. 12*FE+Chip
0.452
0.4515
0.451
0.4505
0.45
0.4495
0
20
40
60
80
100

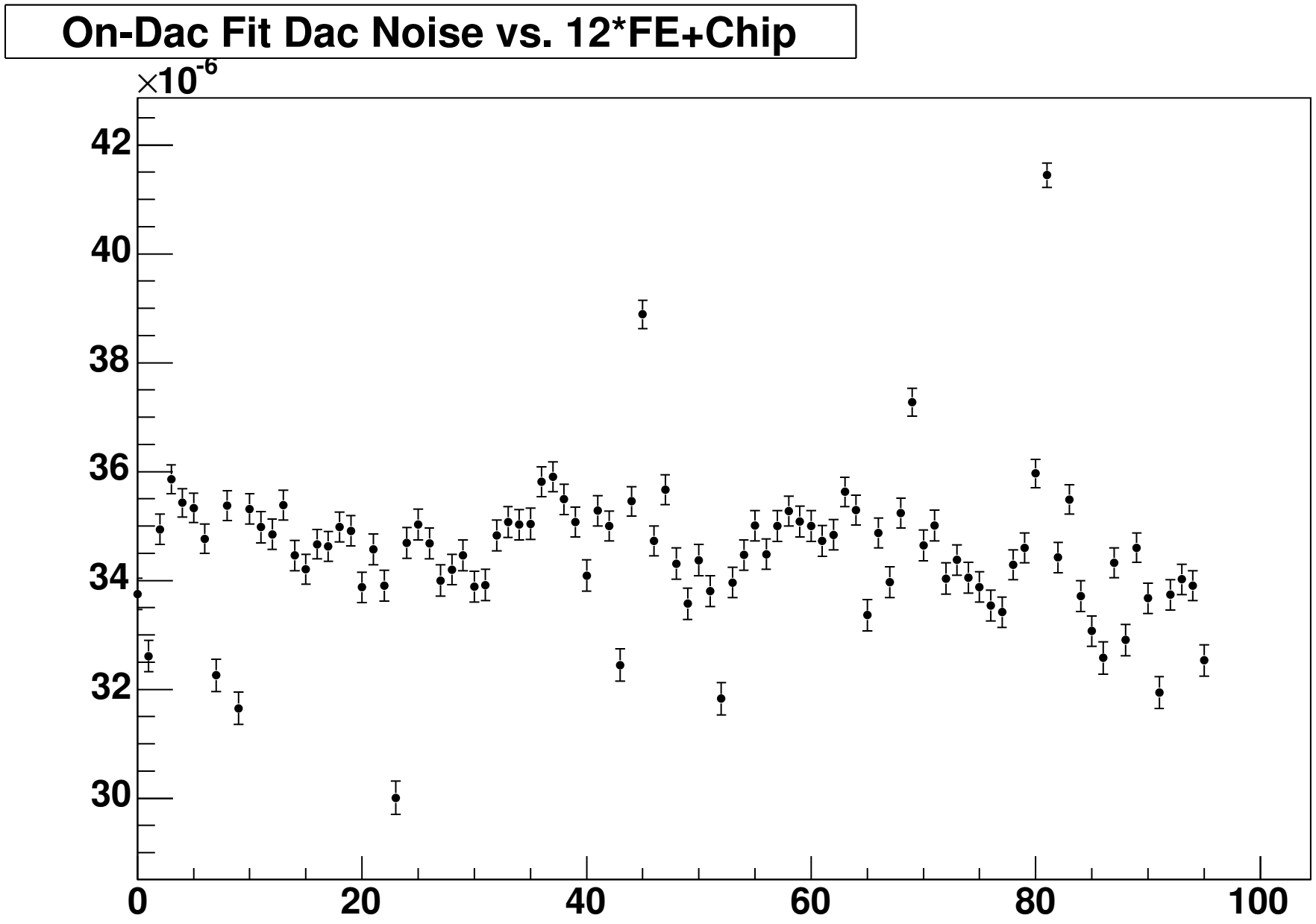

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

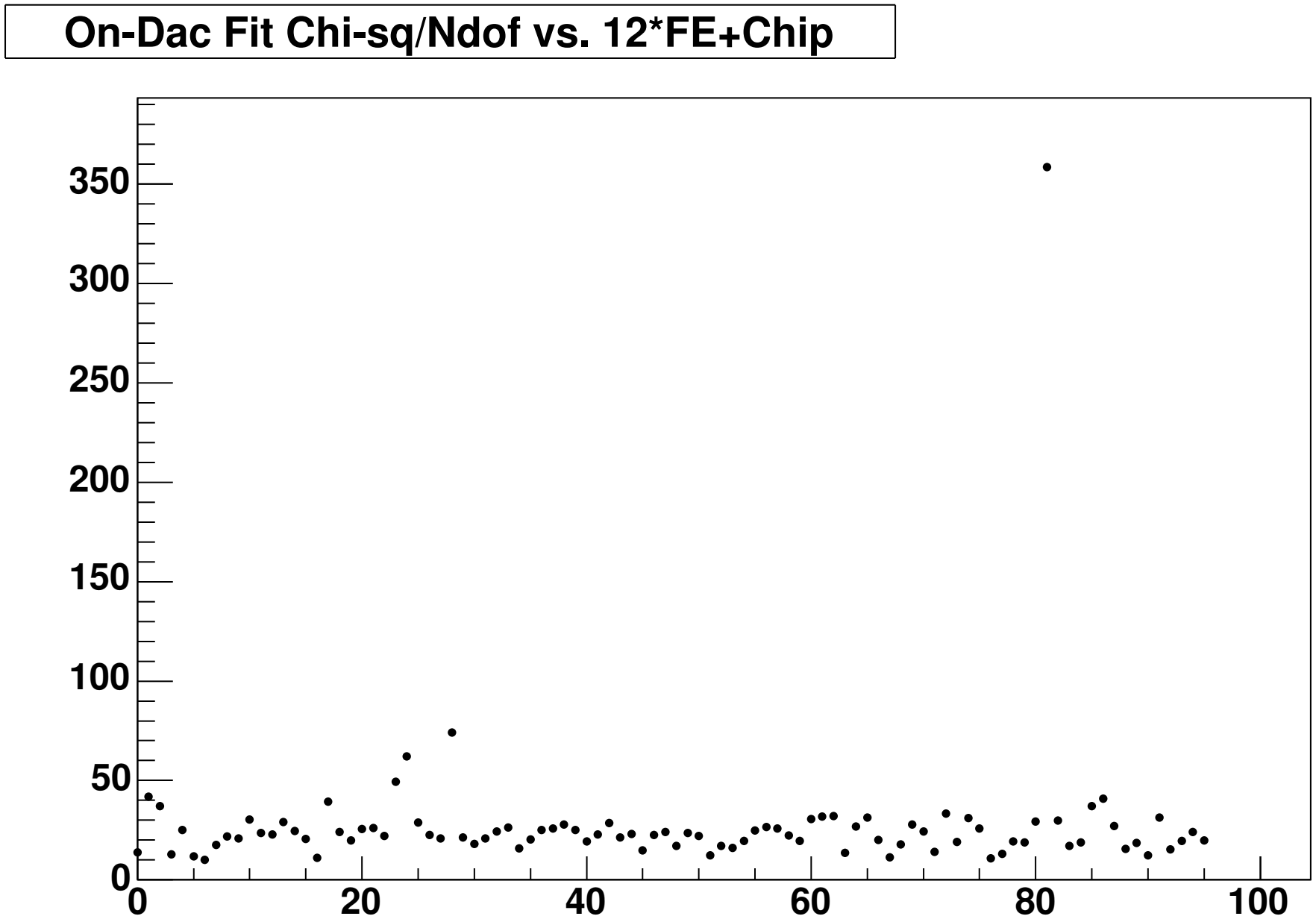

Off-Dac Fit Interpolation vs. 12*FE+Chip
120
100
80
60
40
20
0
-20
-40
-60
0
20
40
60
80
100

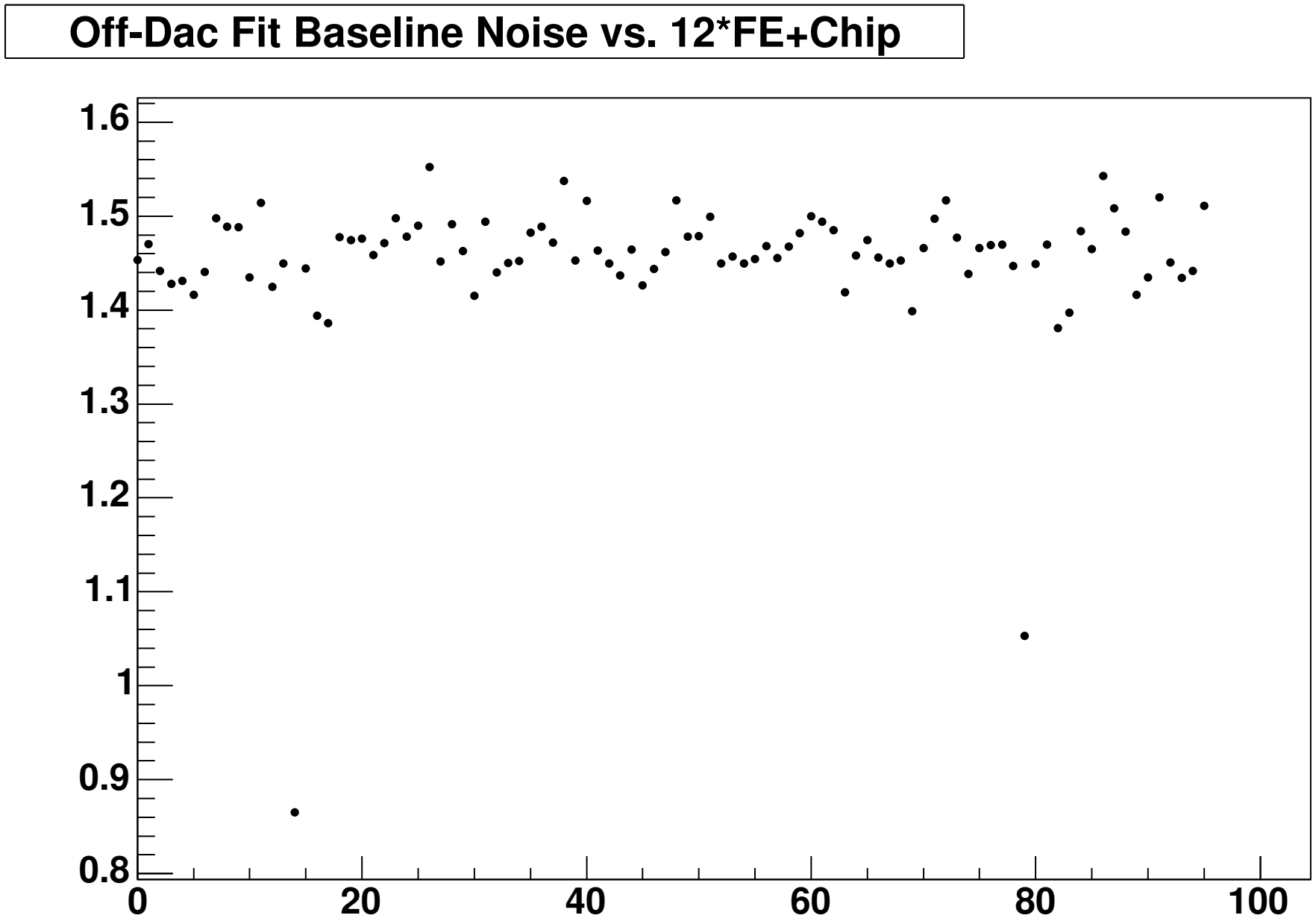

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
15
10
5
0
-5
-10
-15
0
20
40
60
80
100

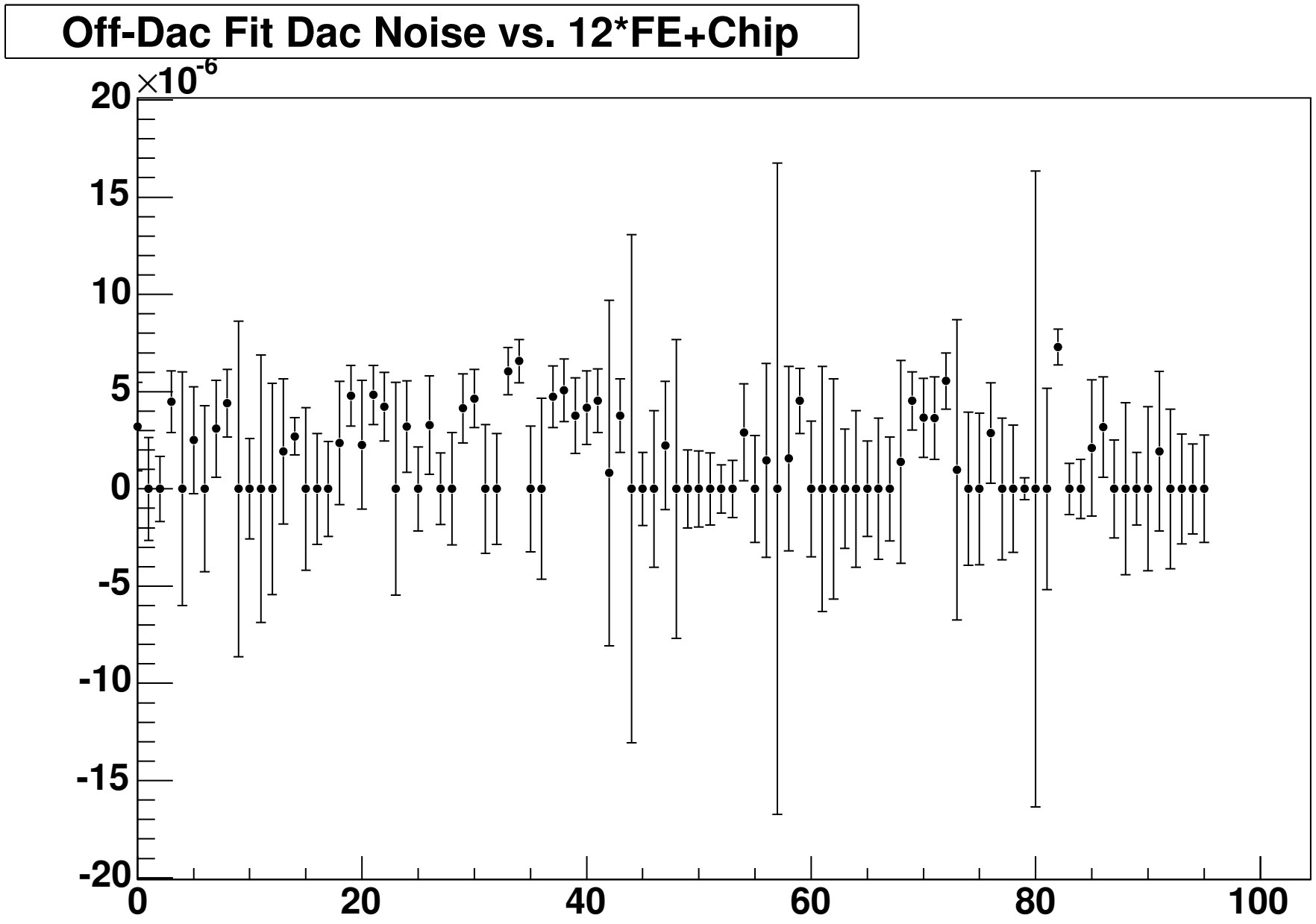

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
10
20
30
40
50
0
20
40
60
80
100

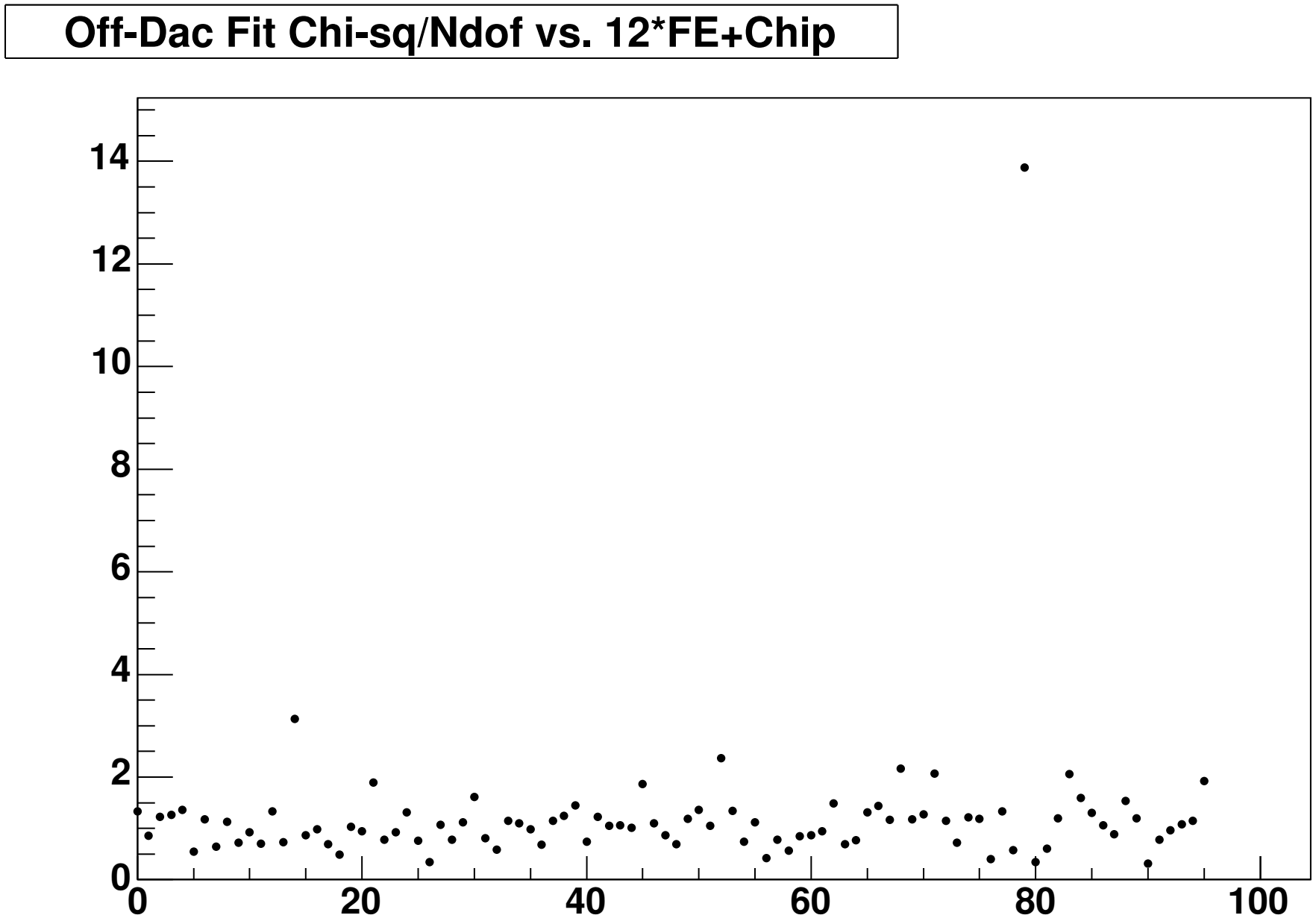

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.4
1.35
1.3
1.25
1.2
1.15
0
20
40
60
80
100

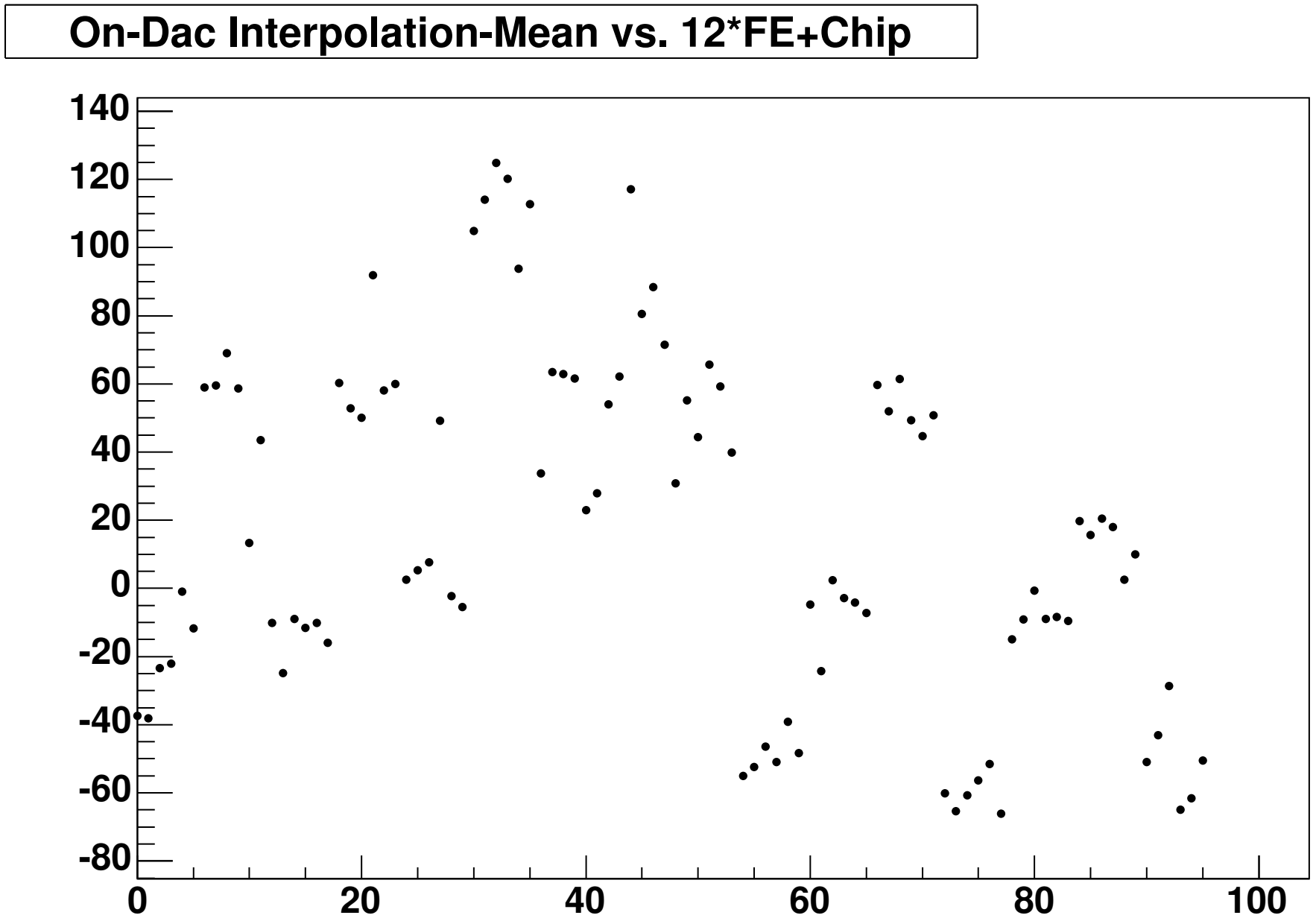

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
42
40
38
36
34
32
30
0
20
40
60
80
100

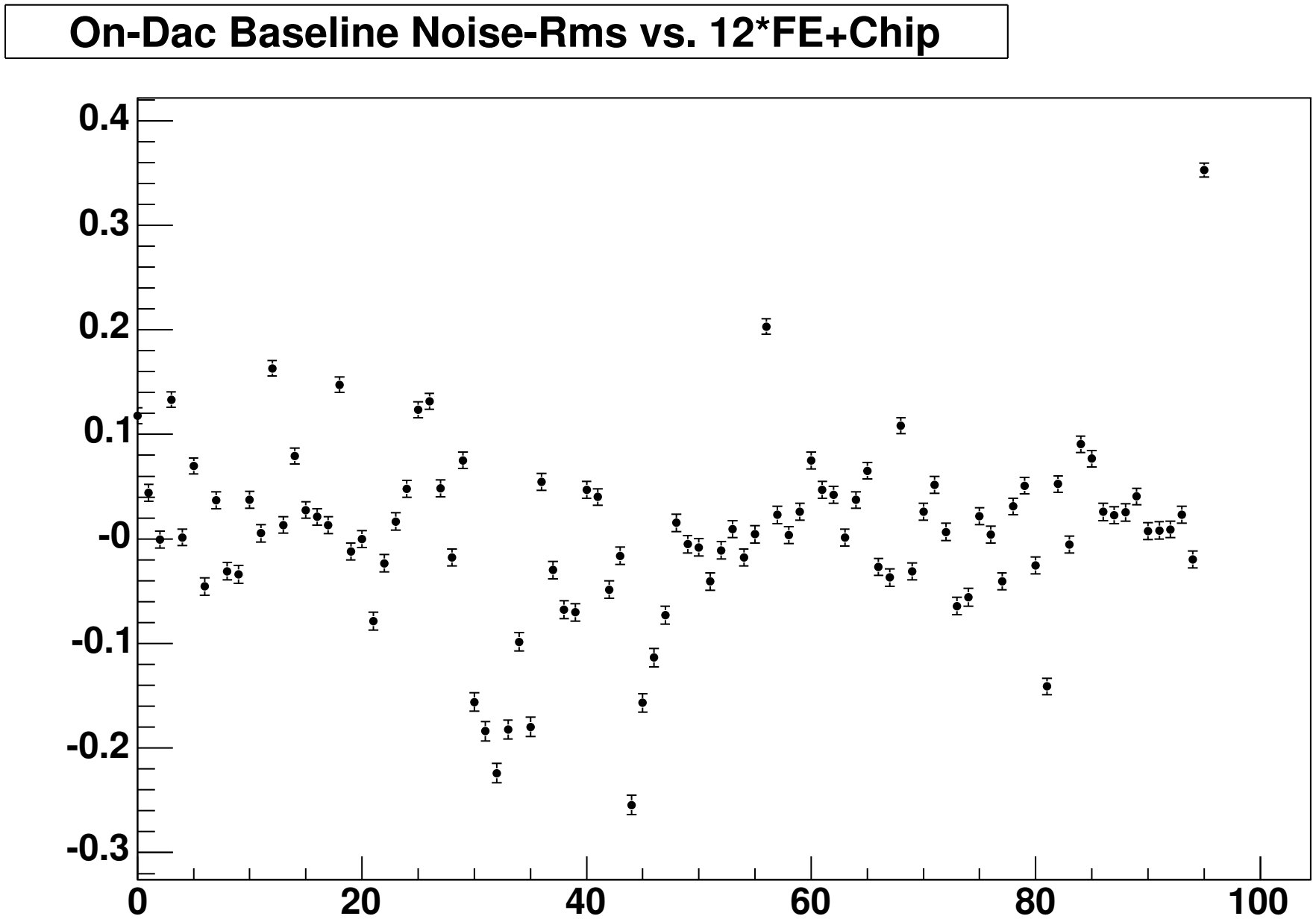

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
350
300
250
200
150
100
50
0
0
20
40
60
80
100

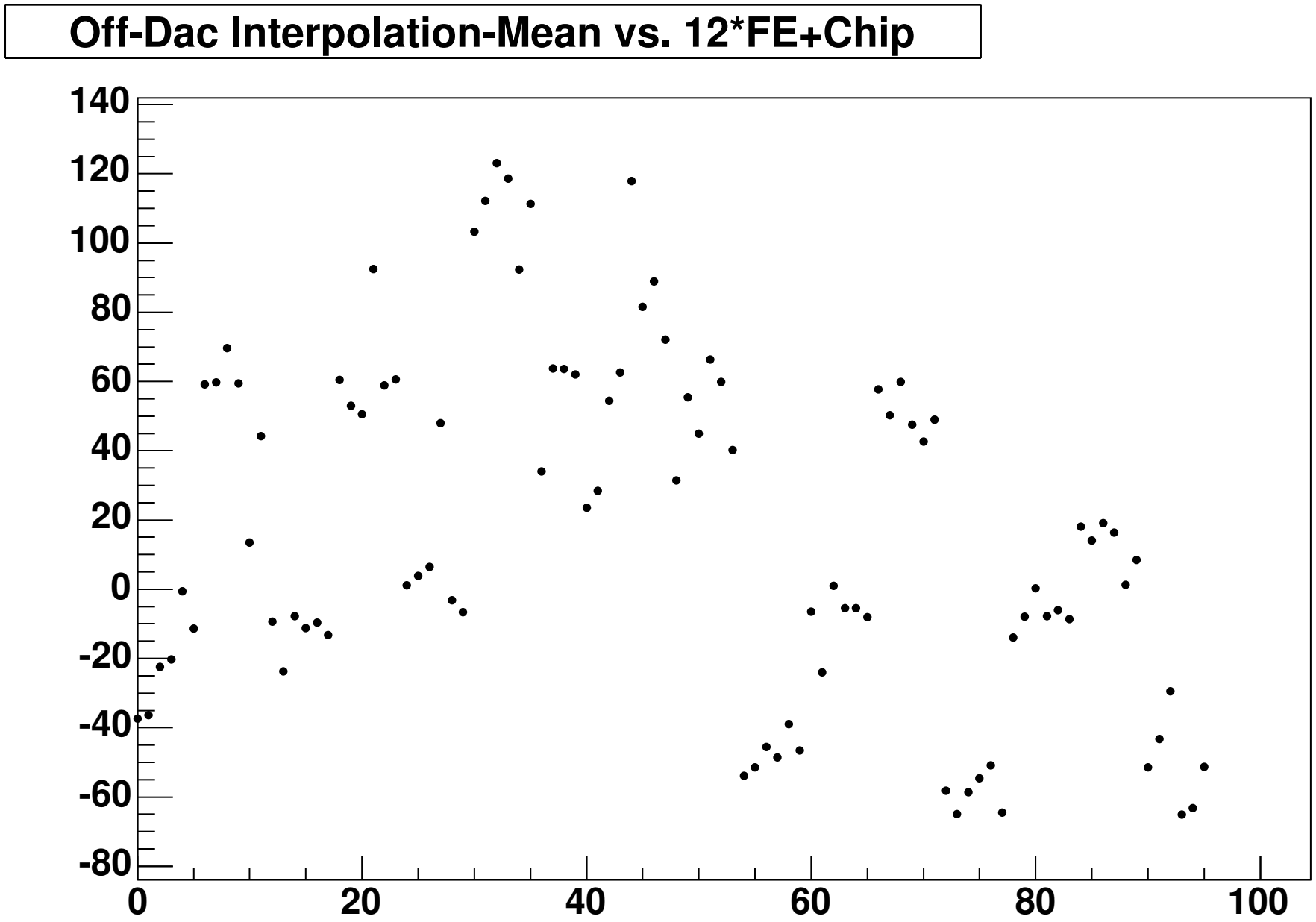

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
20
40
60
80
100

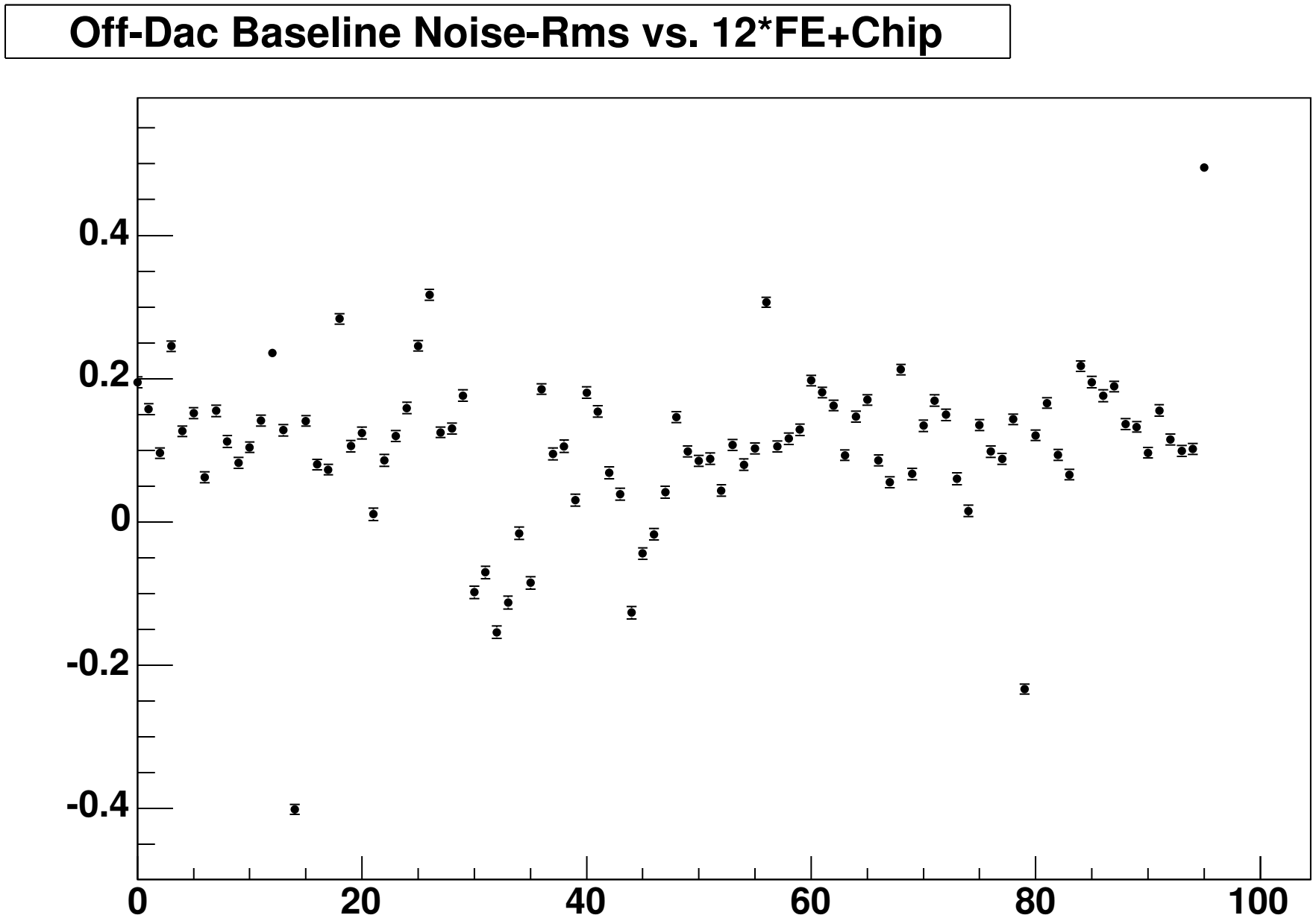

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
20
15
10
5
0
-5
-10
-15
-20
0
20
40
60
80
100


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


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.4
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
0
20
40
60
80
100


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


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