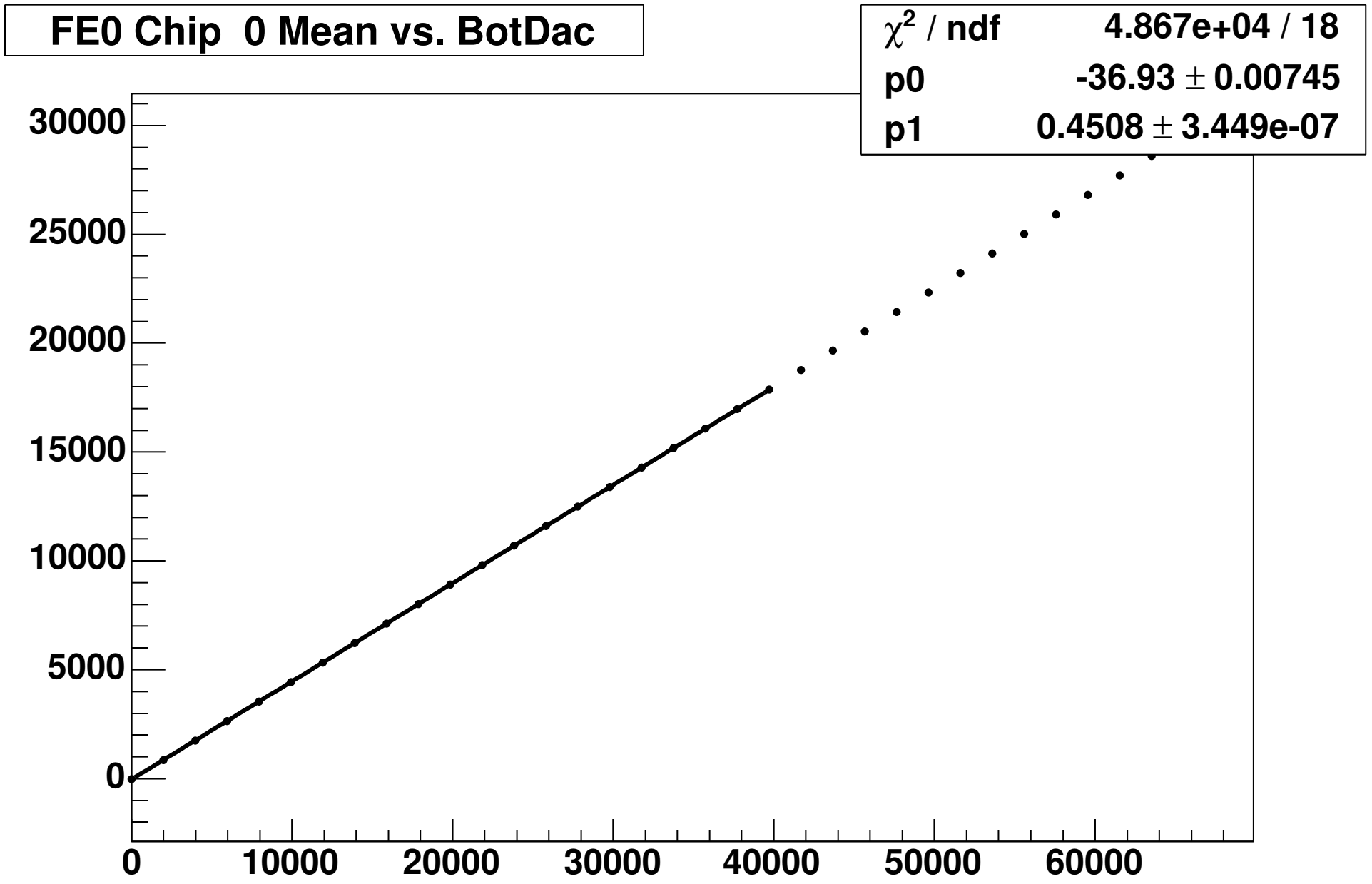
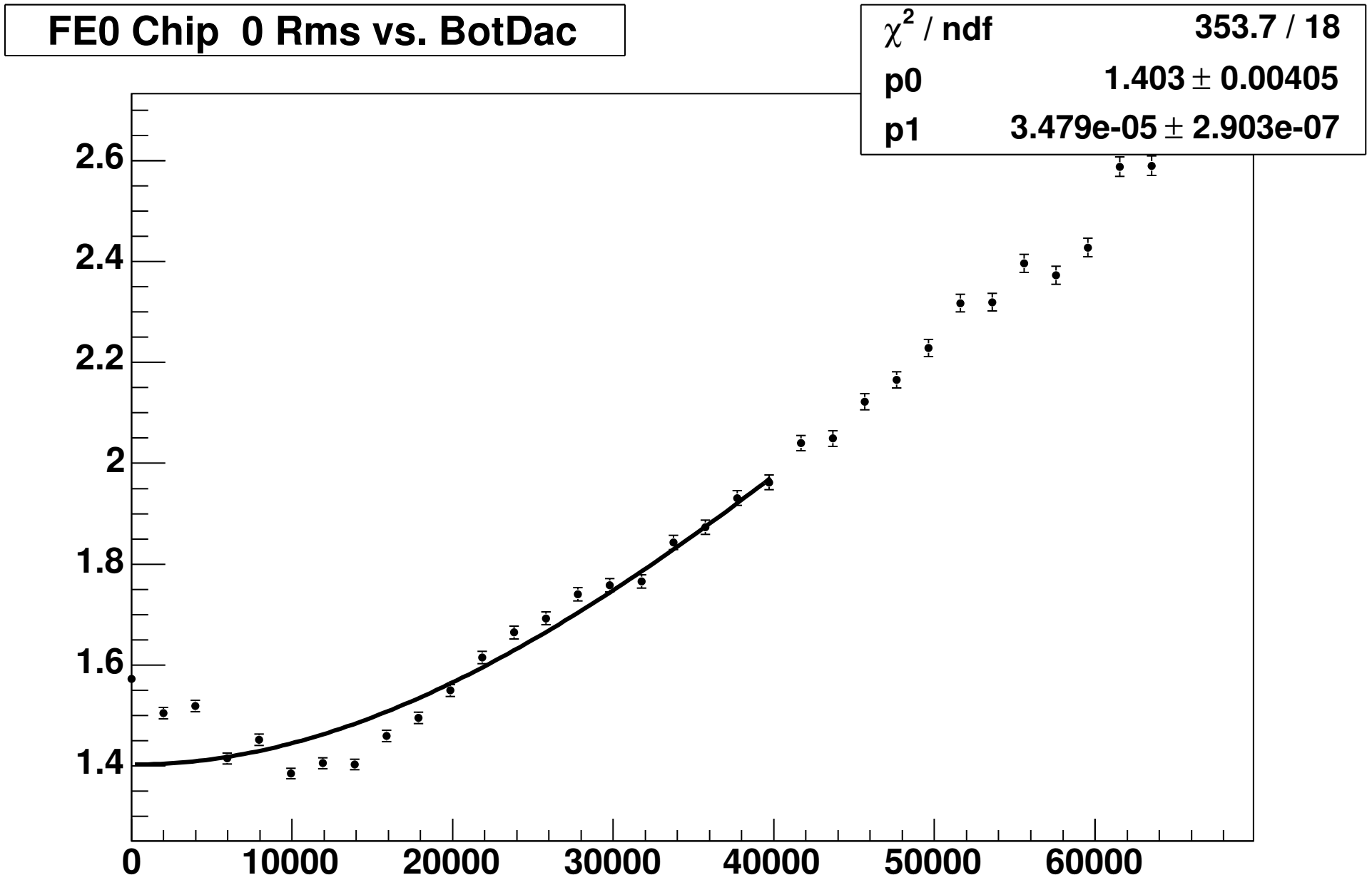
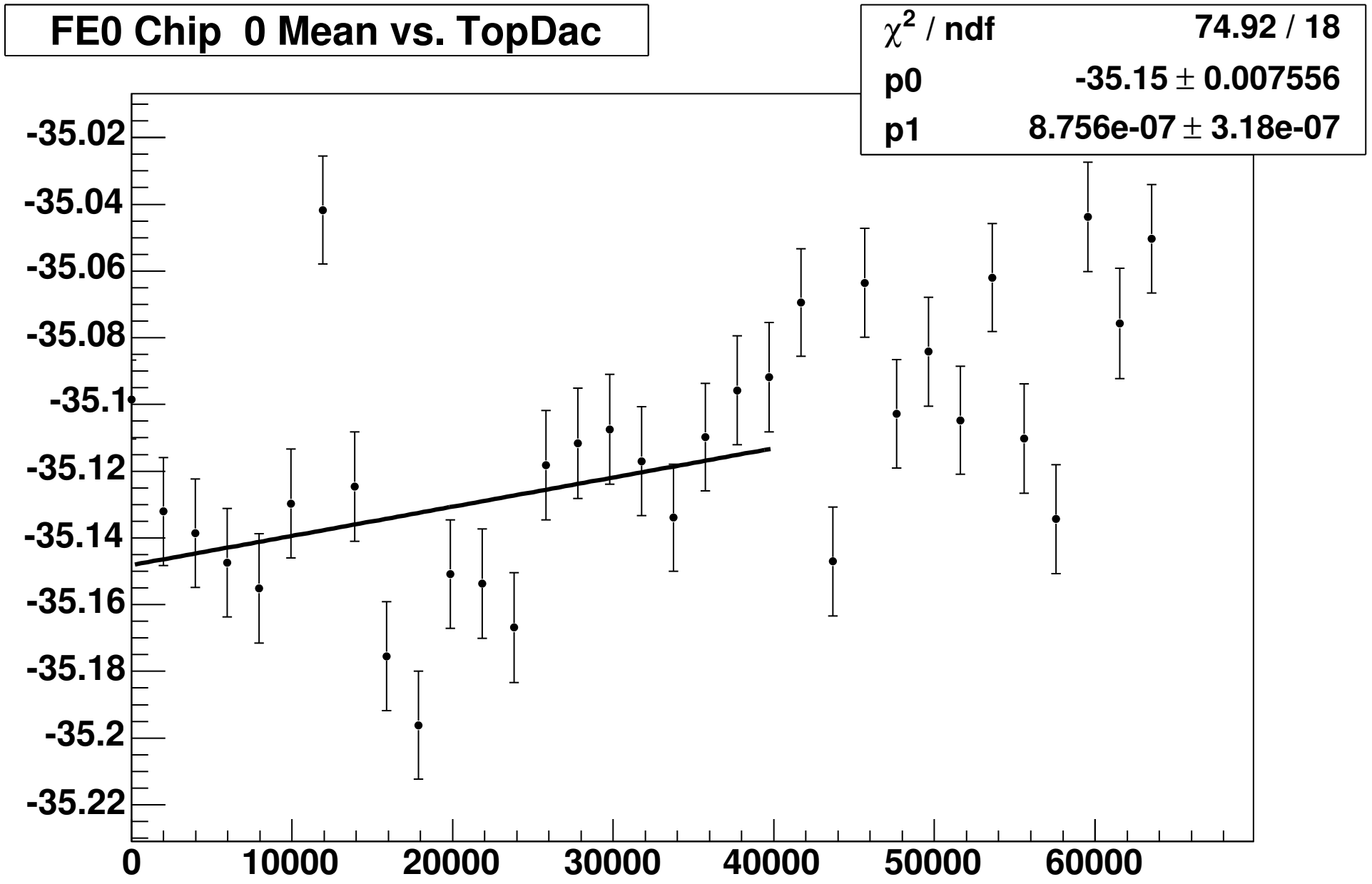

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 4.867e+04 / 18
p0 -36.93 ± 0.00745
p1 0.4508 ± 3.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 353.7 / 18
p0 1.403 ± 0.00405
p1 3.479e-05 ± 2.903e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Mean vs. TopDac
χ^2 / ndf 74.92 / 18
p0 -35.15 ± 0.007556
p1 8.756e-07 ± 3.18e-07
-35.02
-35.04
-35.06
-35.08
-35.1
-35.12
-35.14
-35.16
-35.18
-35.2
-35.22
0
10000
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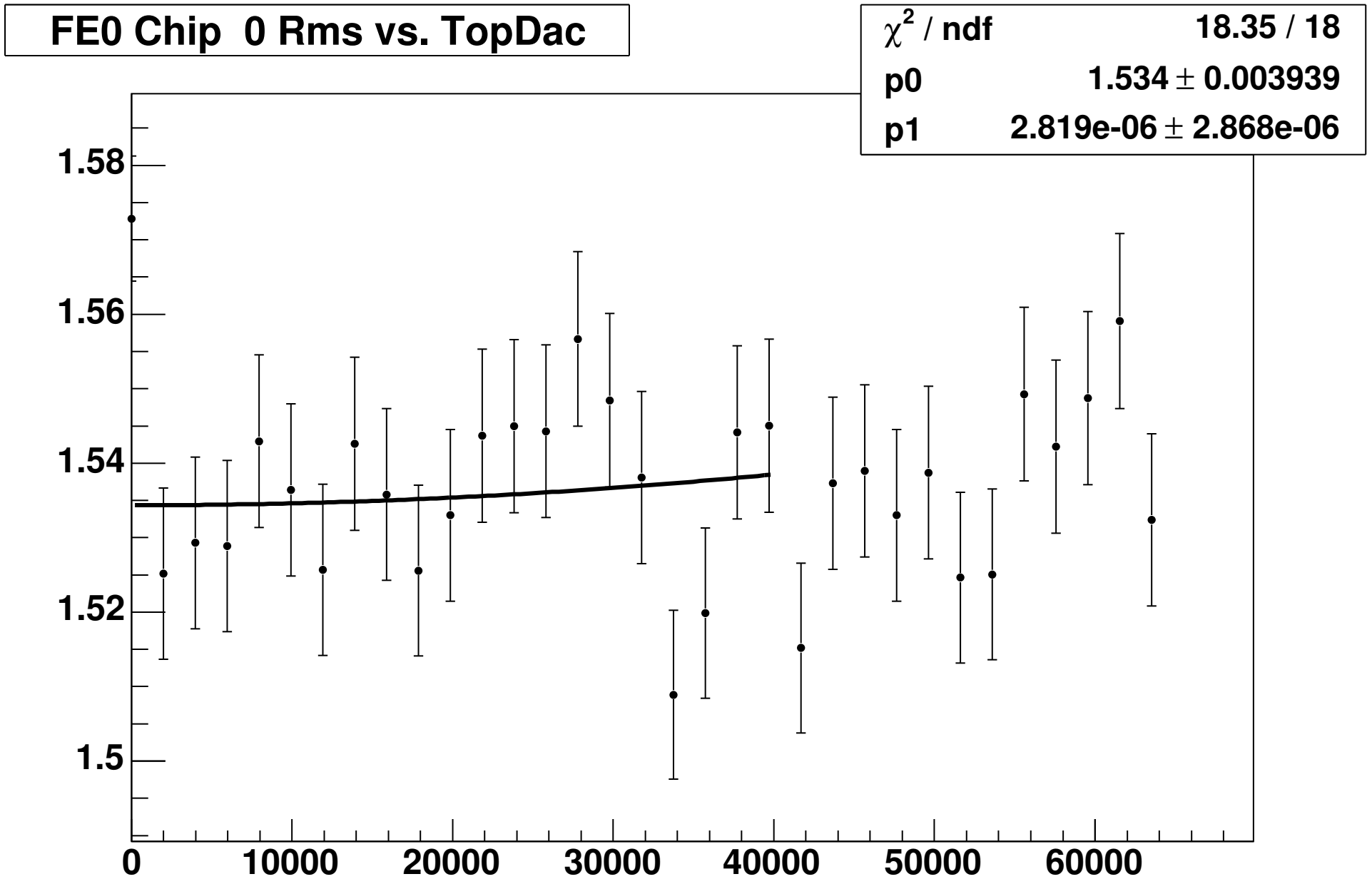
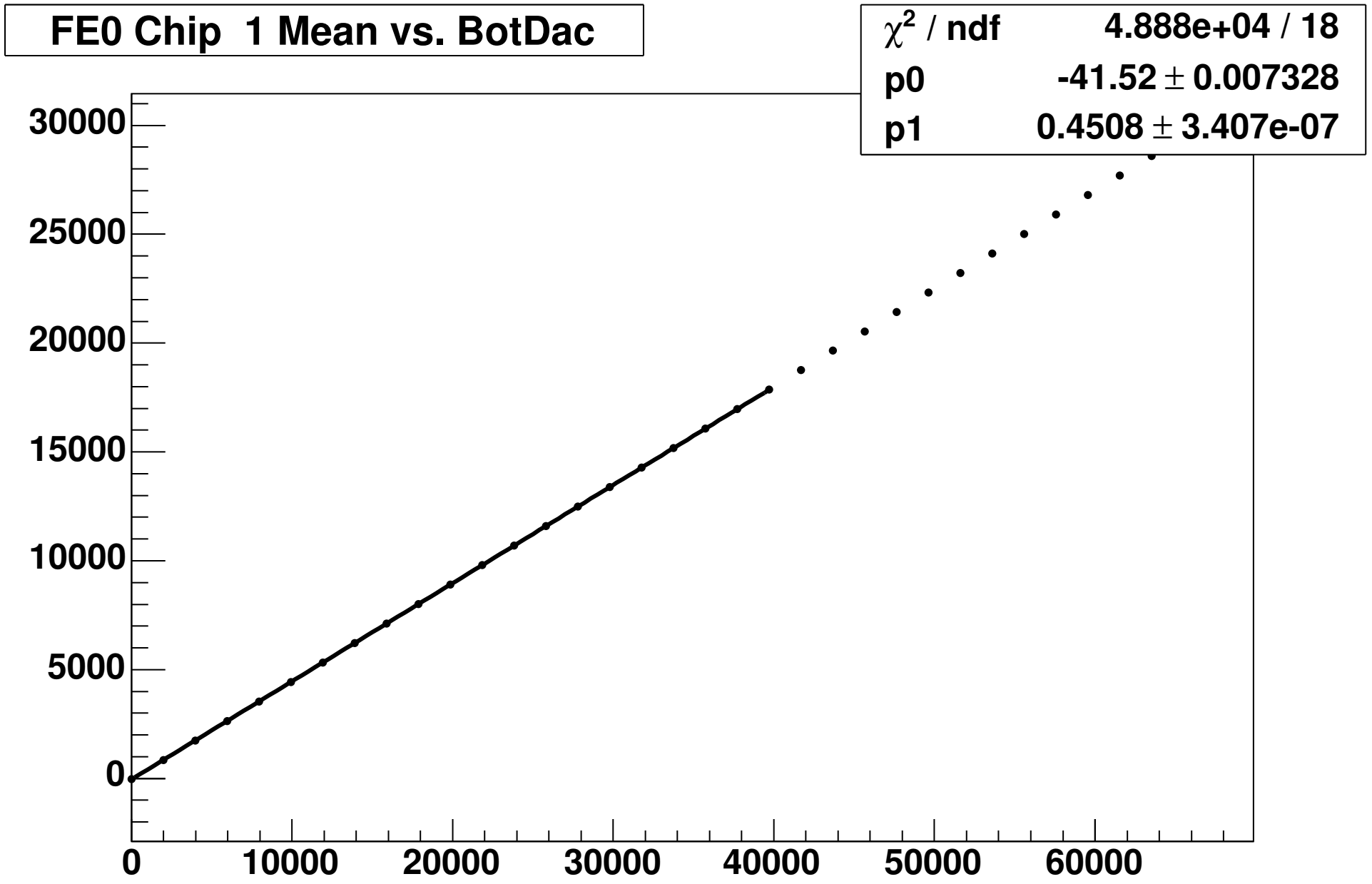
30000
40000
50000
60000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 18.35 / 18
p0 1.534 ± 0.003939
p1 2.819e-06 ± 2.868e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 4.888e+04 / 18
p0 -41.52 ± 0.007328
p1 0.4508 ± 3.407e-07
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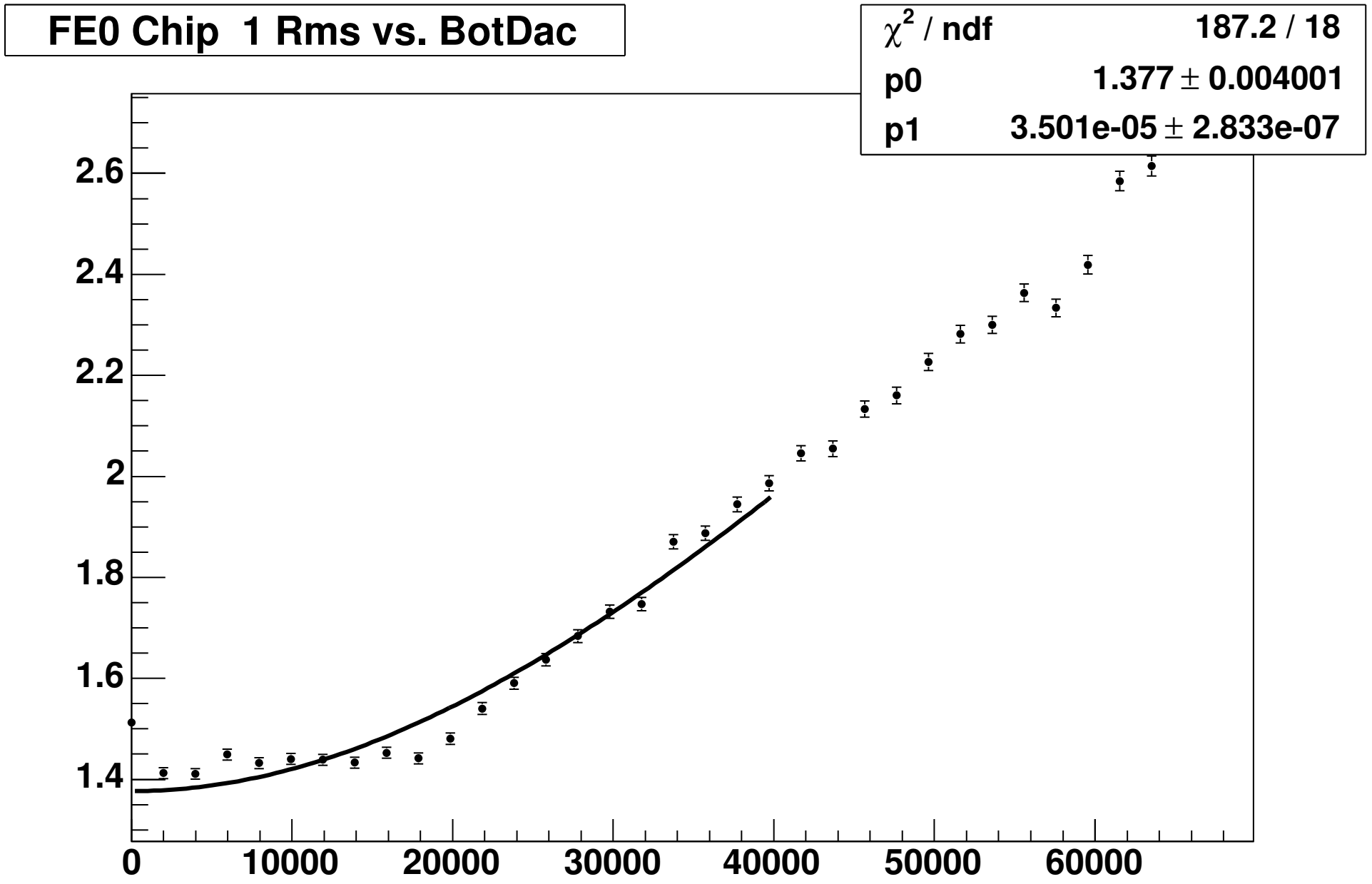
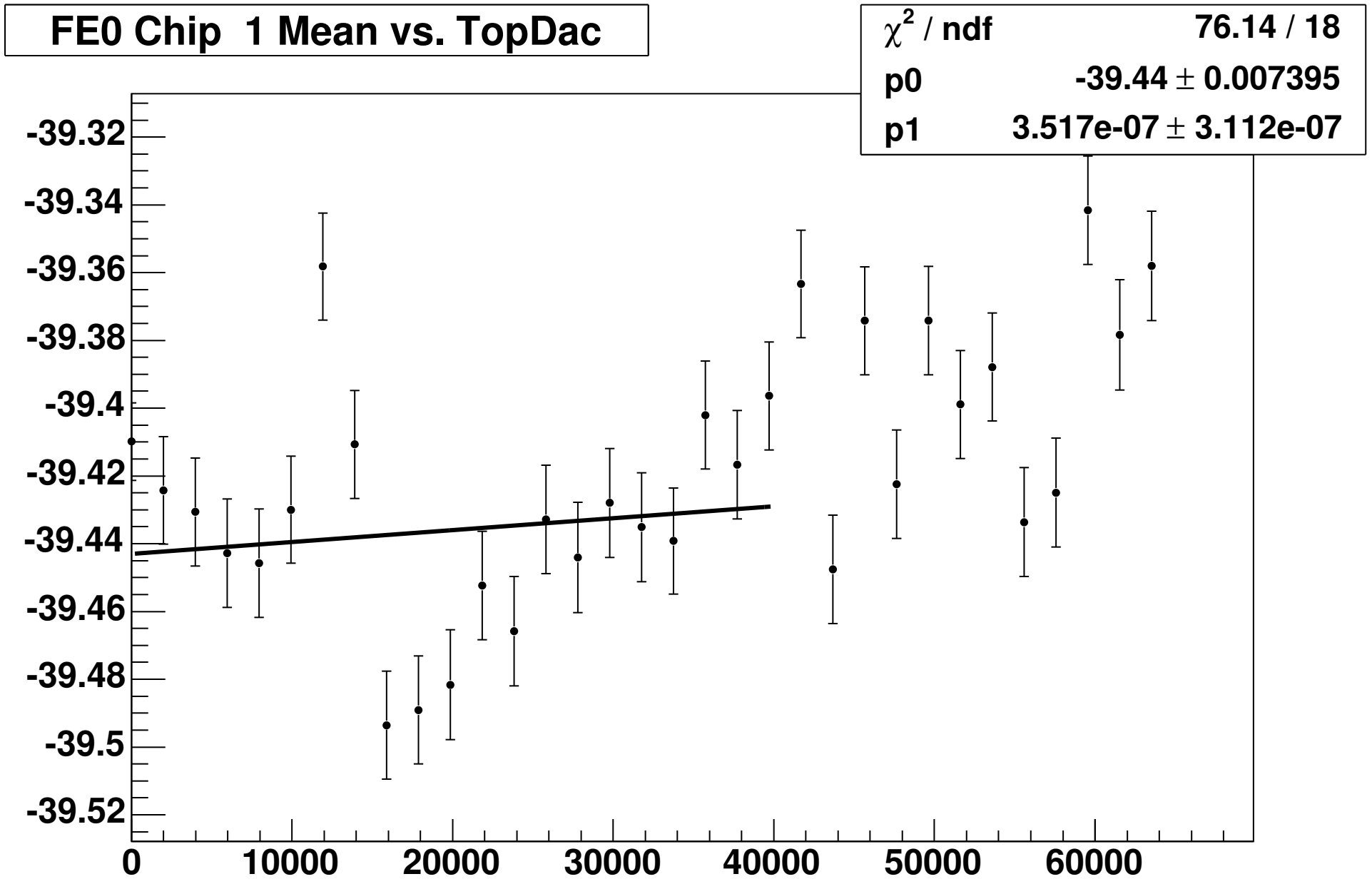
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 187.2 / 18
p0 1.377 ± 0.004001
p1 3.501e-05 ± 2.833e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Mean vs. TopDac
χ² / ndf 76.14 / 18
p0 -39.44 ± 0.007395
p1 3.517e-07 ± 3.112e-07
-39.32
-39.34
-39.36
-39.38
-39.4
-39.42
-39.44
-39.46
-39.48
-39.5
-39.52
0
10000
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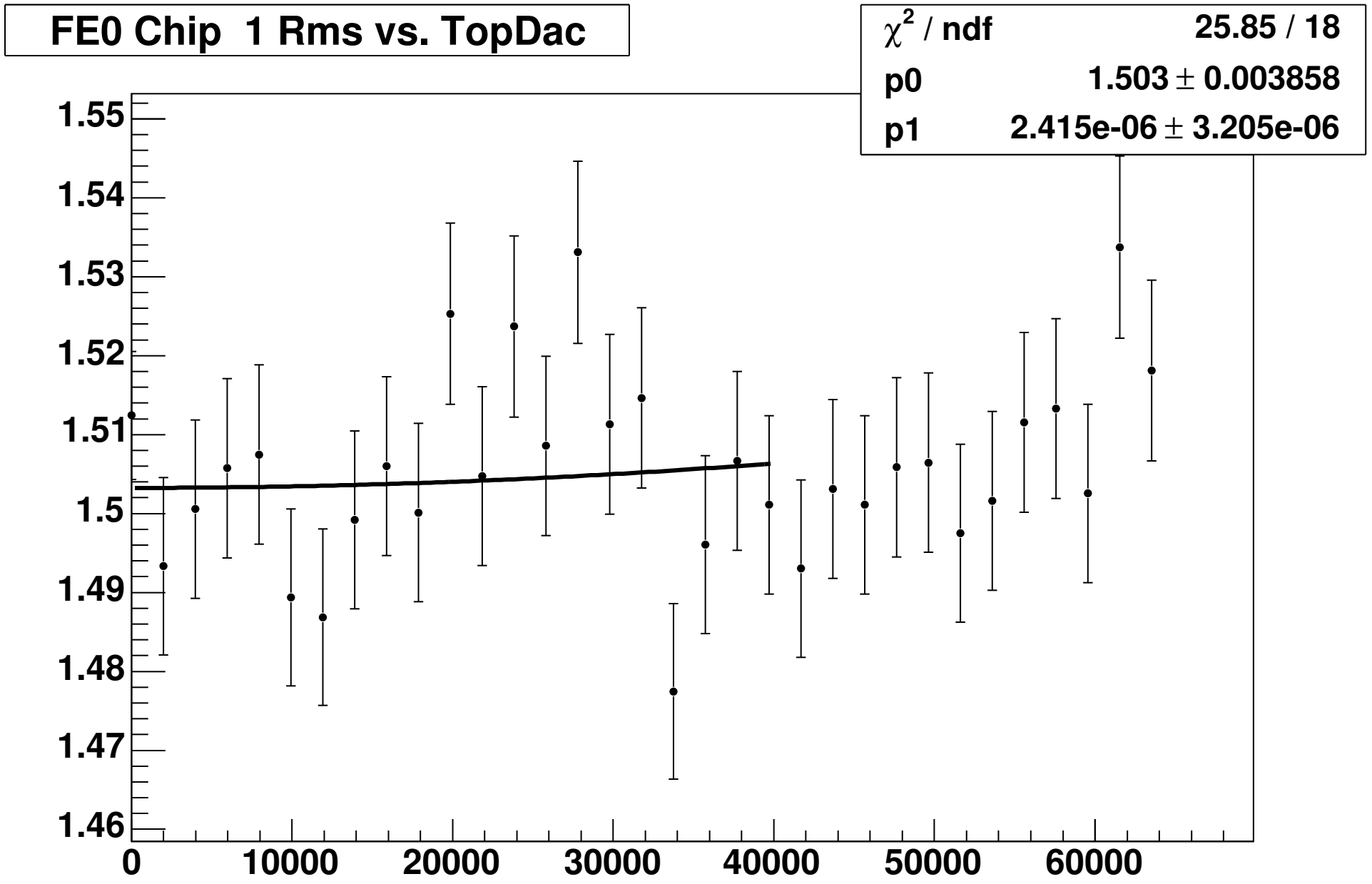
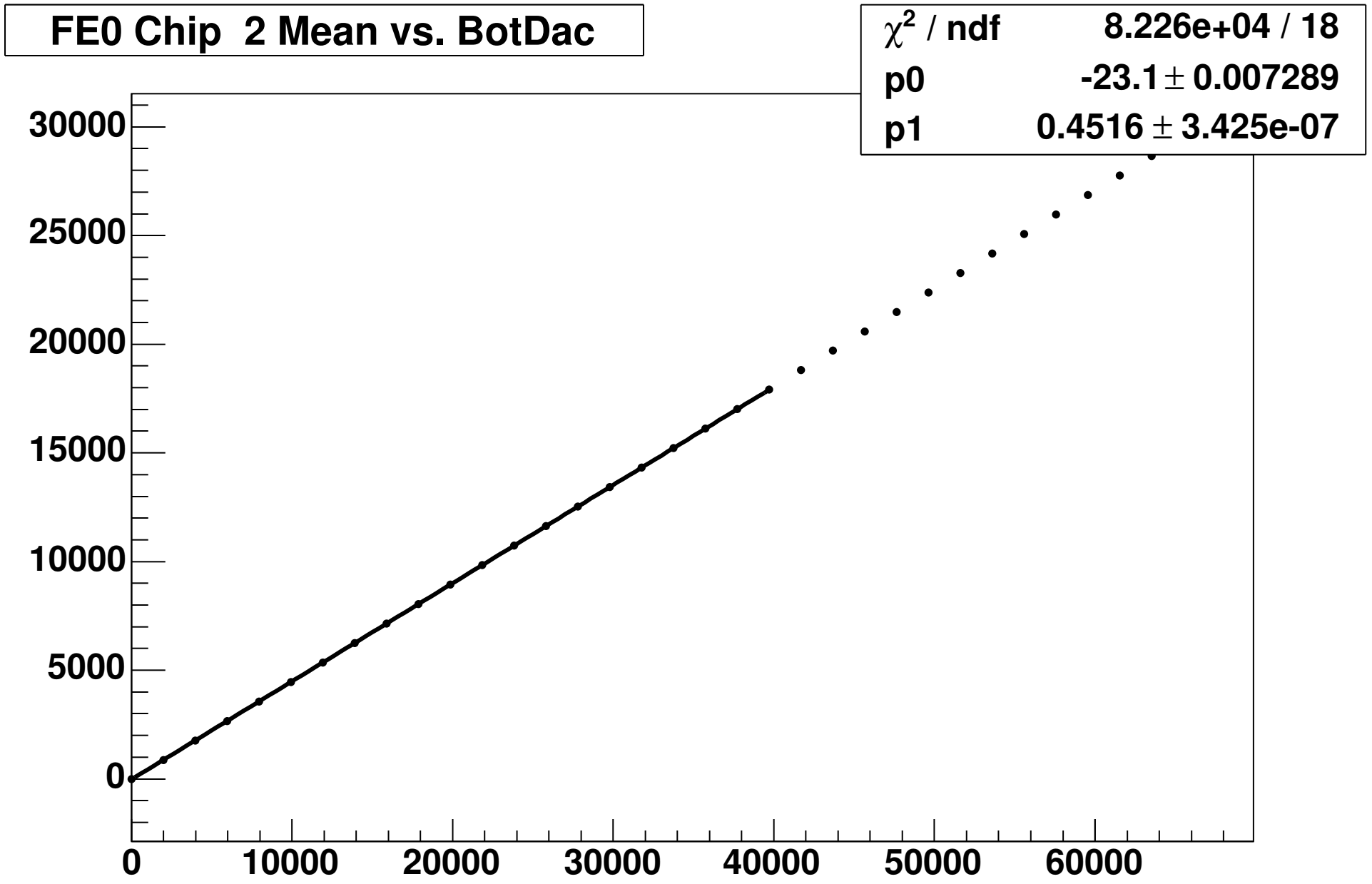
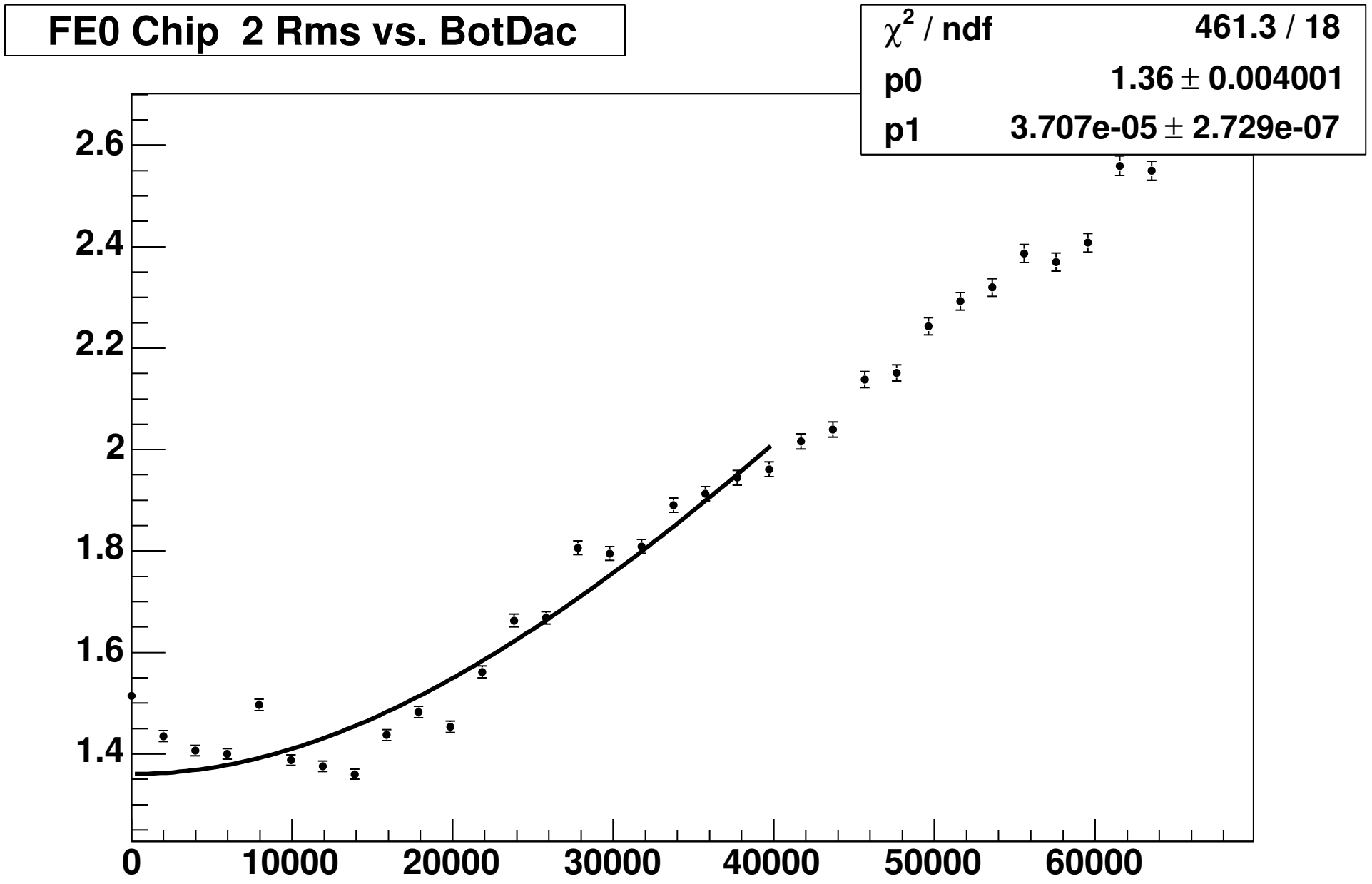
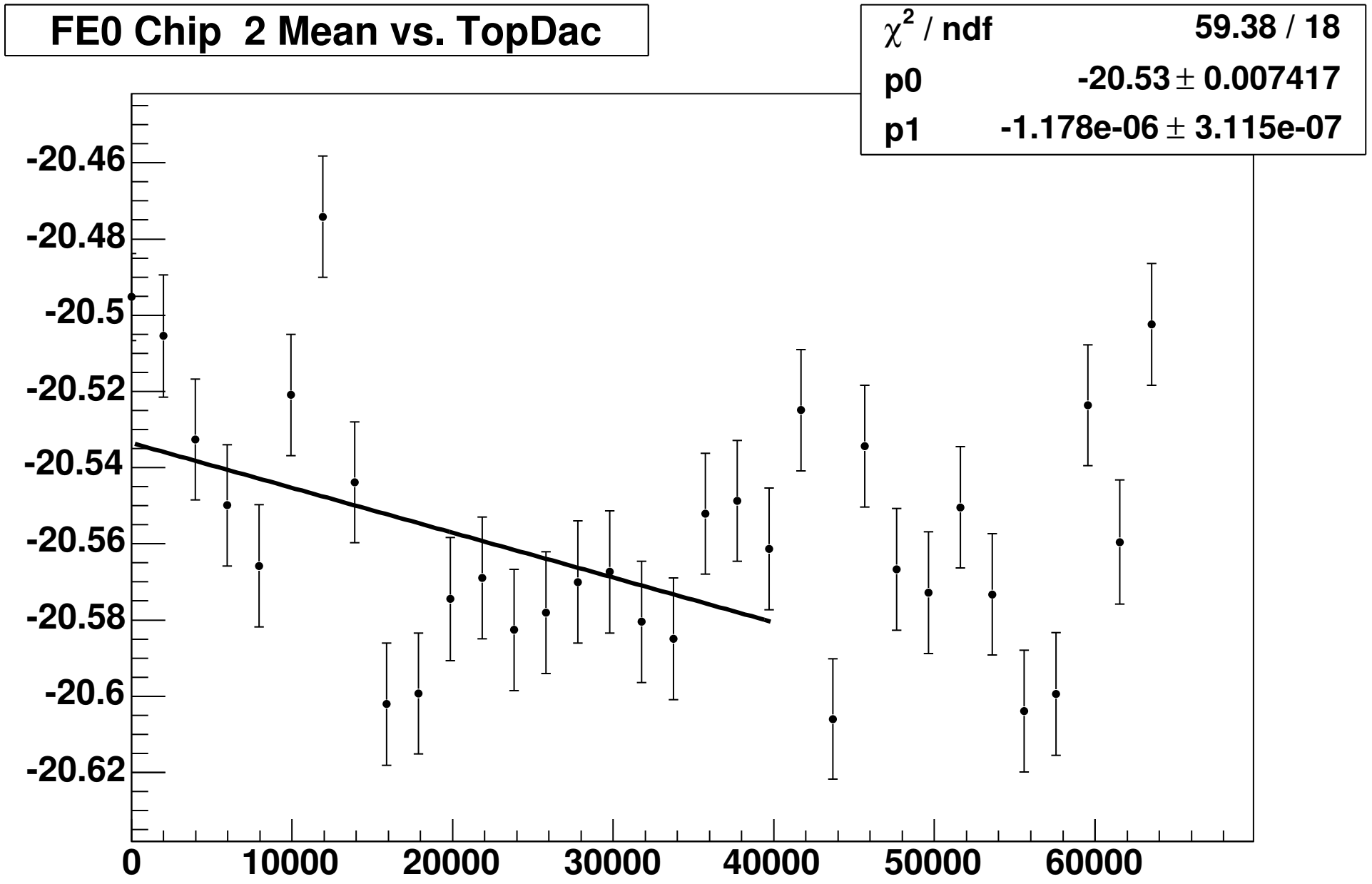
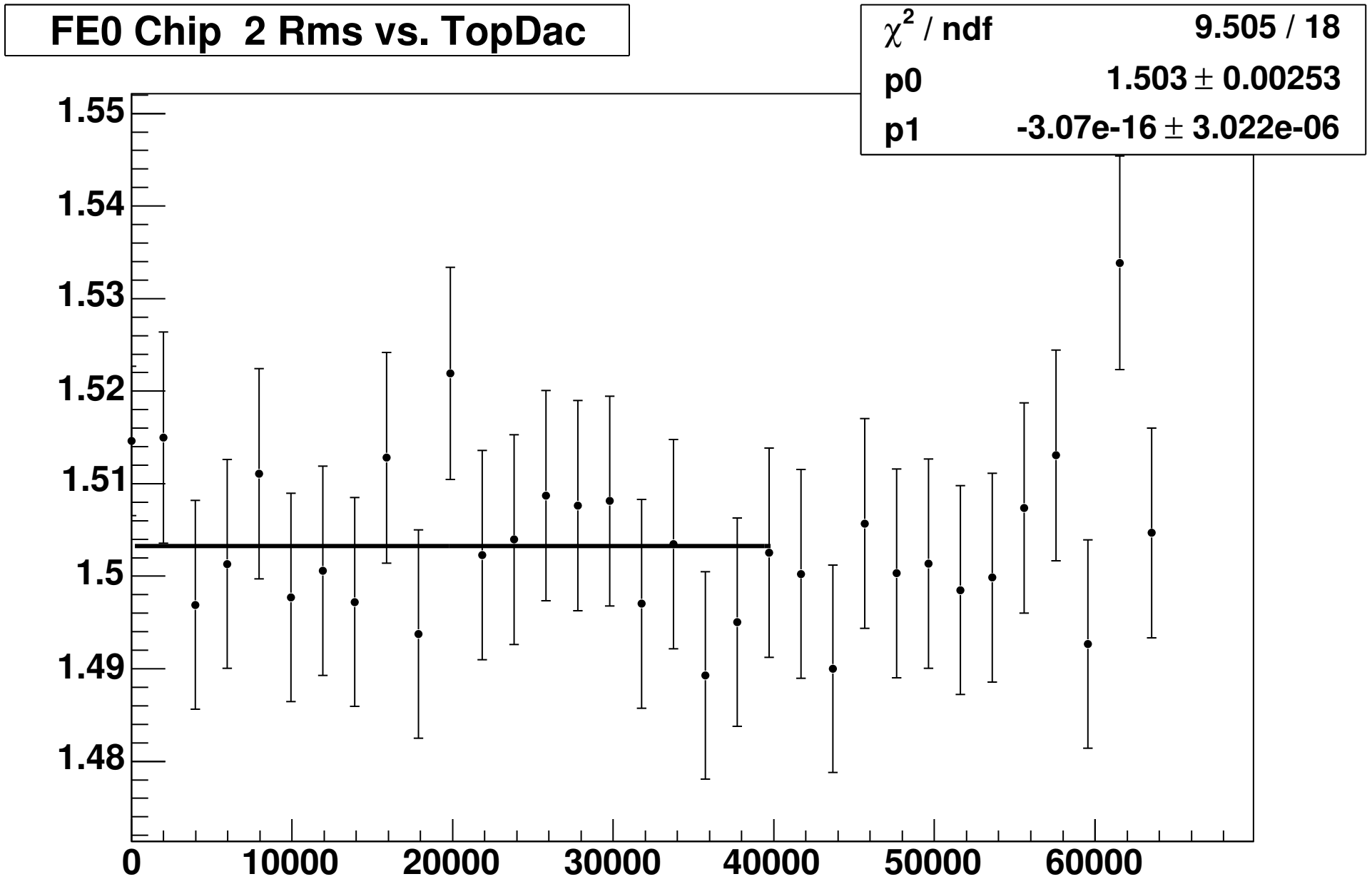
30000
40000
50000
60000

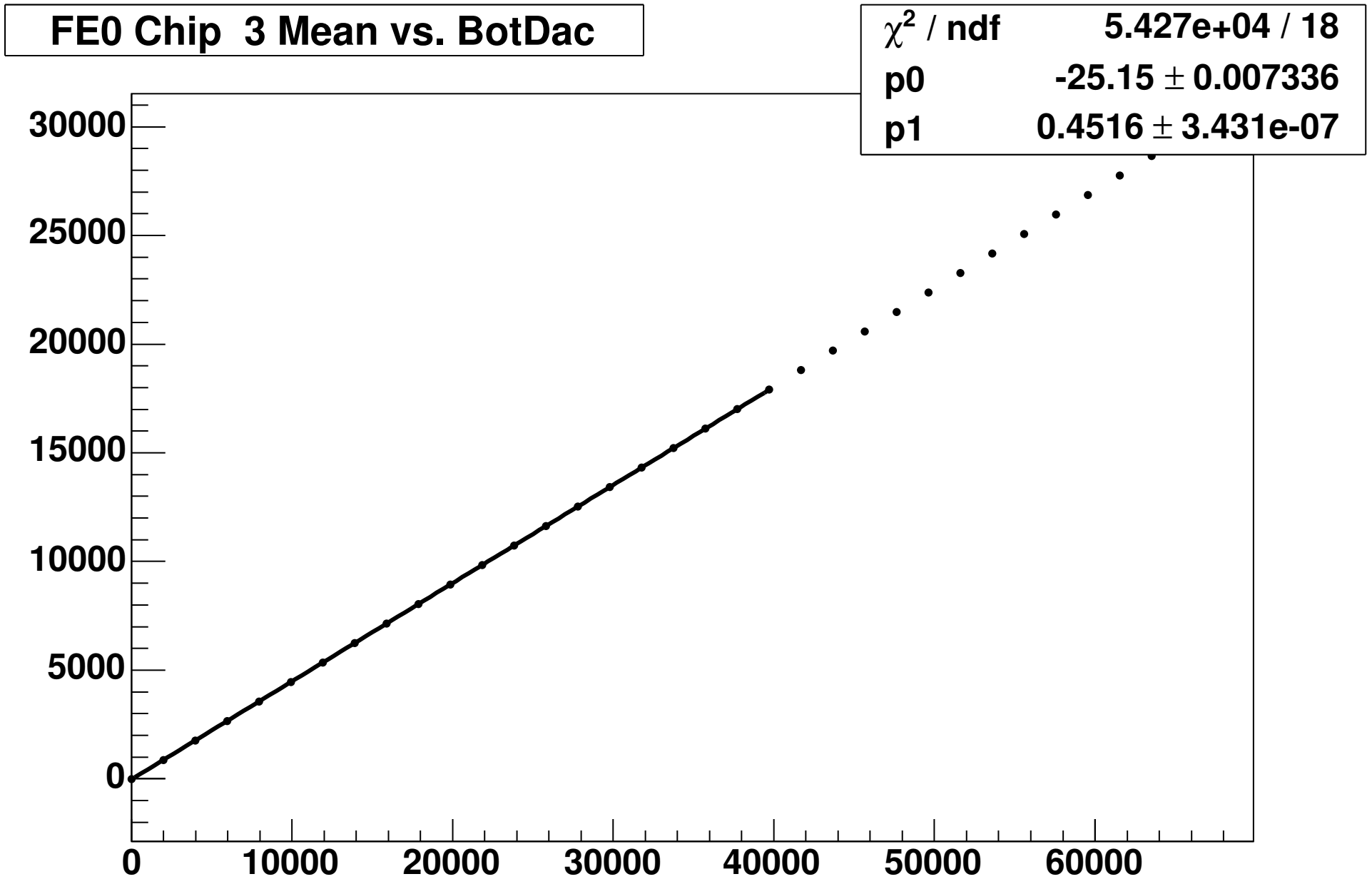

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 25.85 / 18
p0 1.503 ± 0.003858
p1 2.415e-06 ± 3.205e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

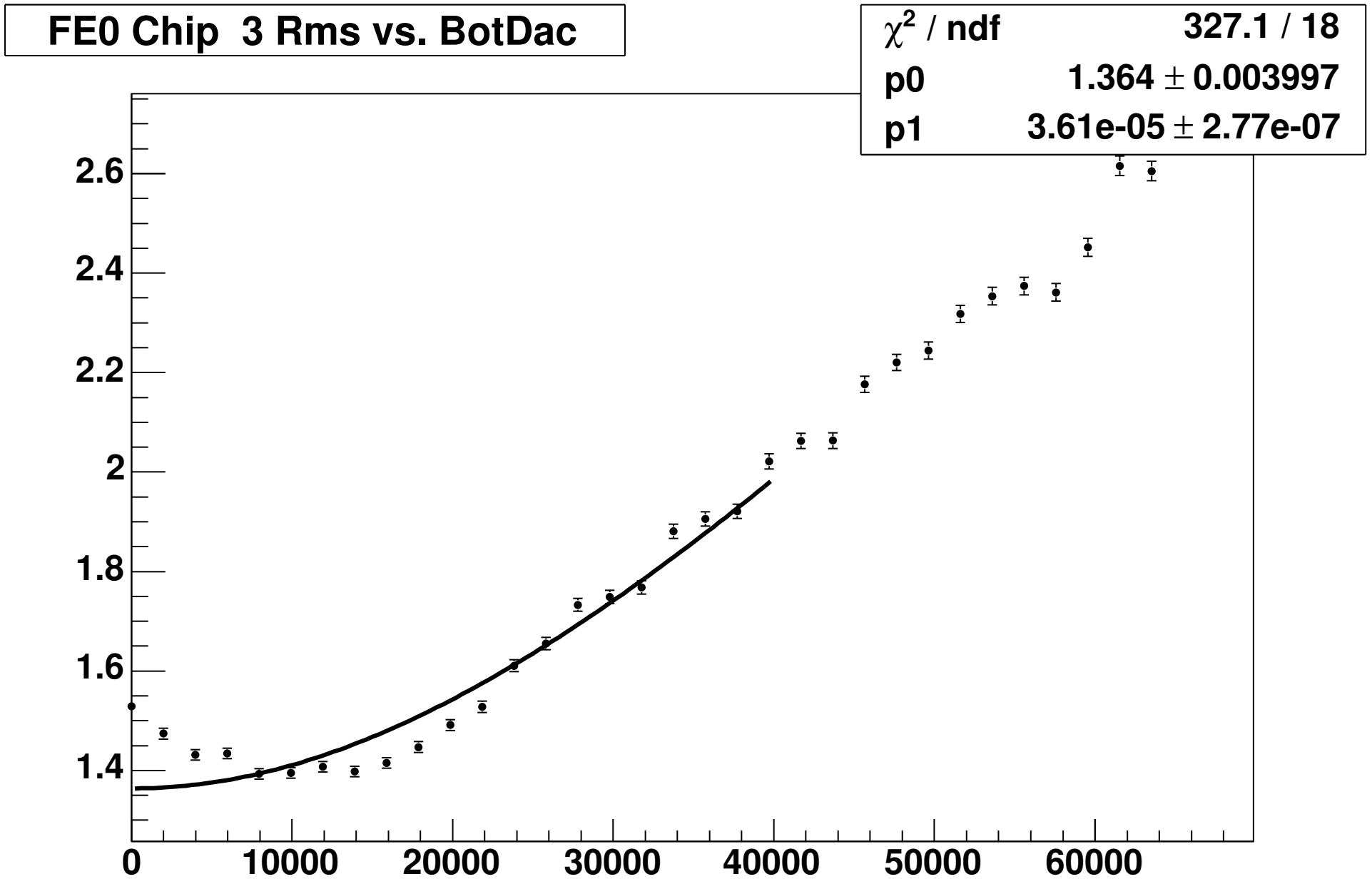

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 8.226e+04 / 18
p0 -23.1 ± 0.007289
p1 0.4516 ± 3.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

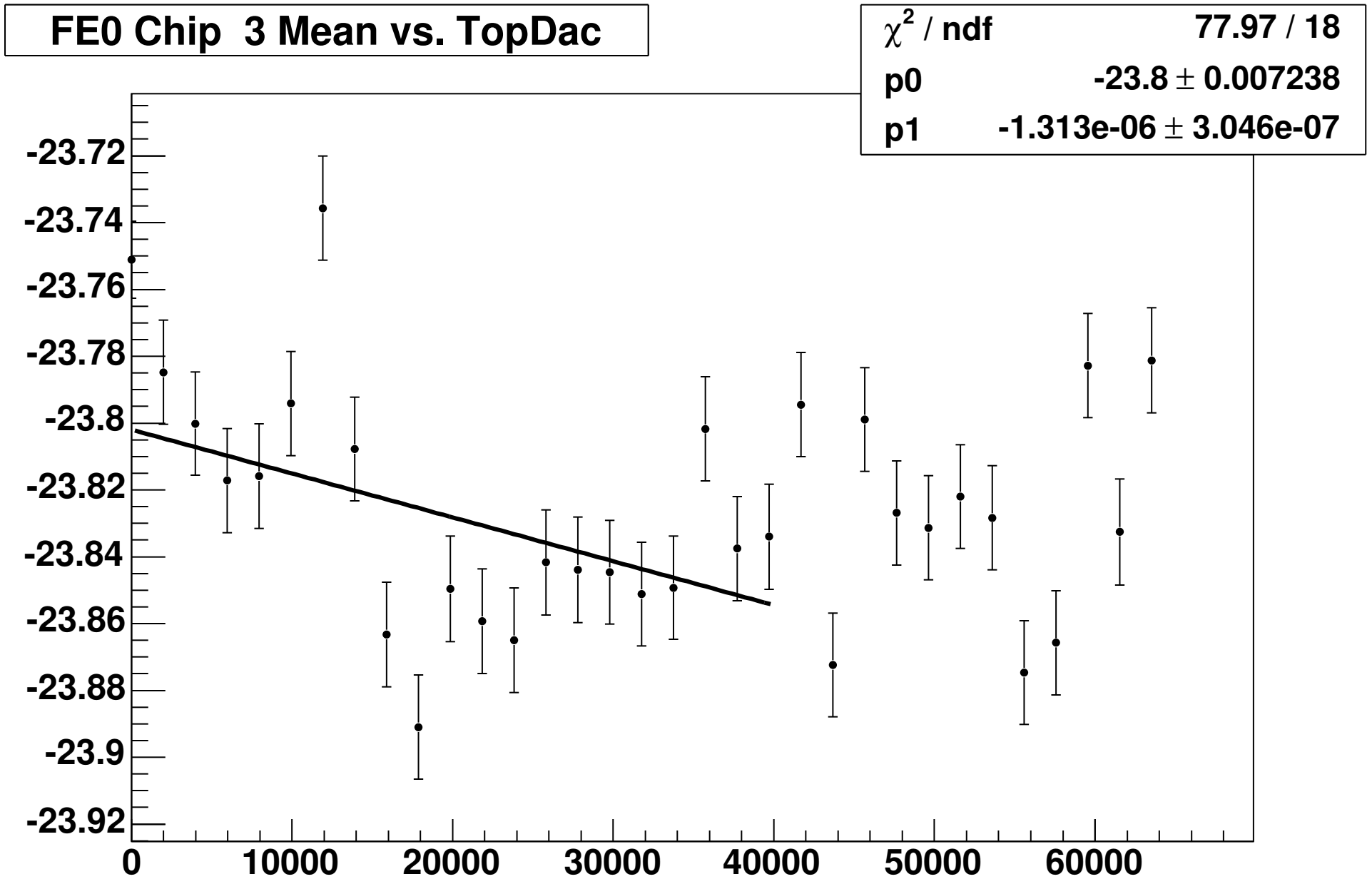

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 461.3 / 18
p0 1.36 ± 0.004001
p1 3.707e-05 ± 2.729e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

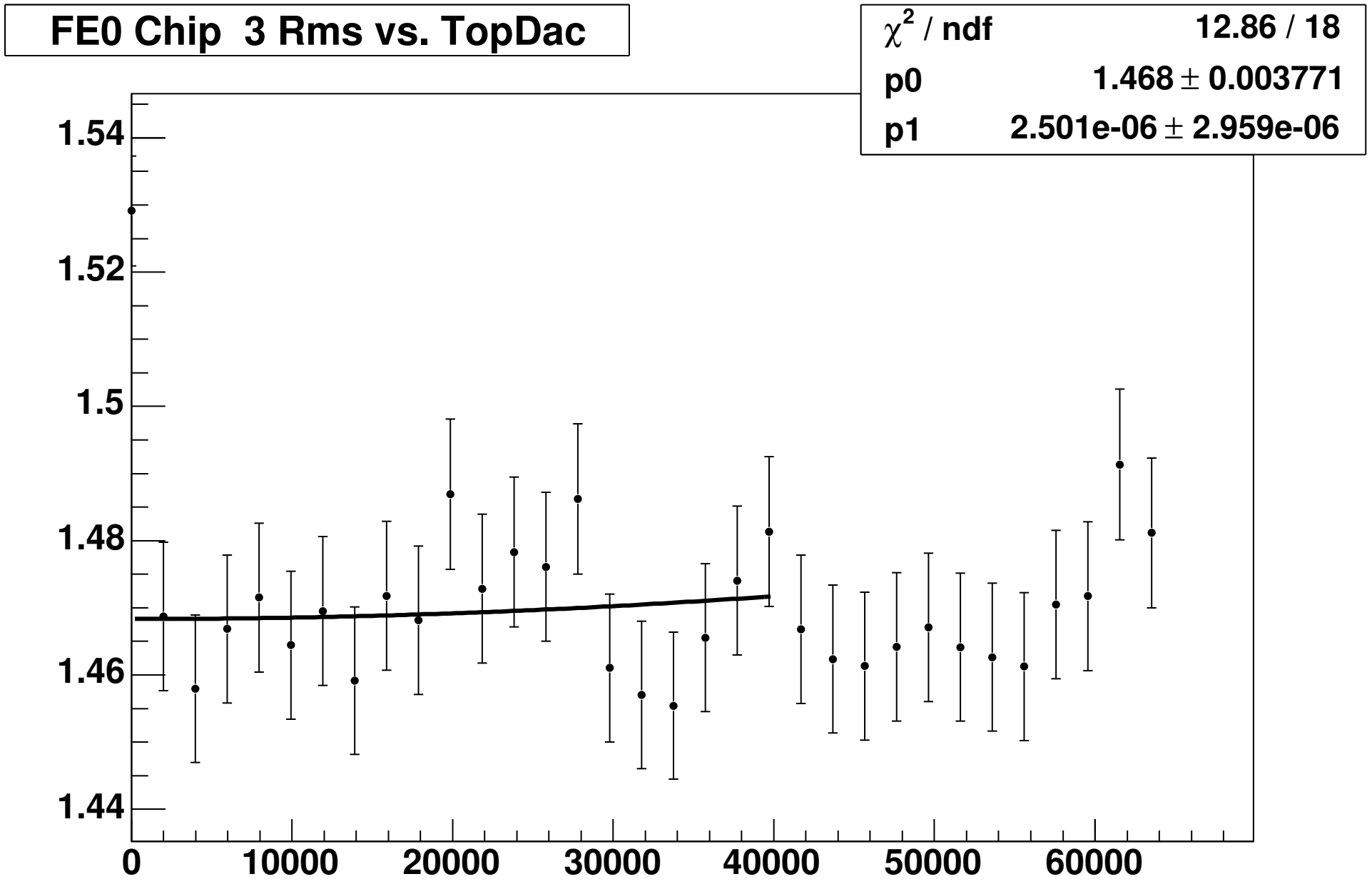

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 59.38 / 18
p0 -20.53 ± 0.007417
p1 -1.178e-06 ± 3.115e-07
-20.46
-20.48
-20.5
-20.52
-20.54
-20.56
-20.58
-20.6
-20.62
0
10000
20000
30000
40000
50000
60000

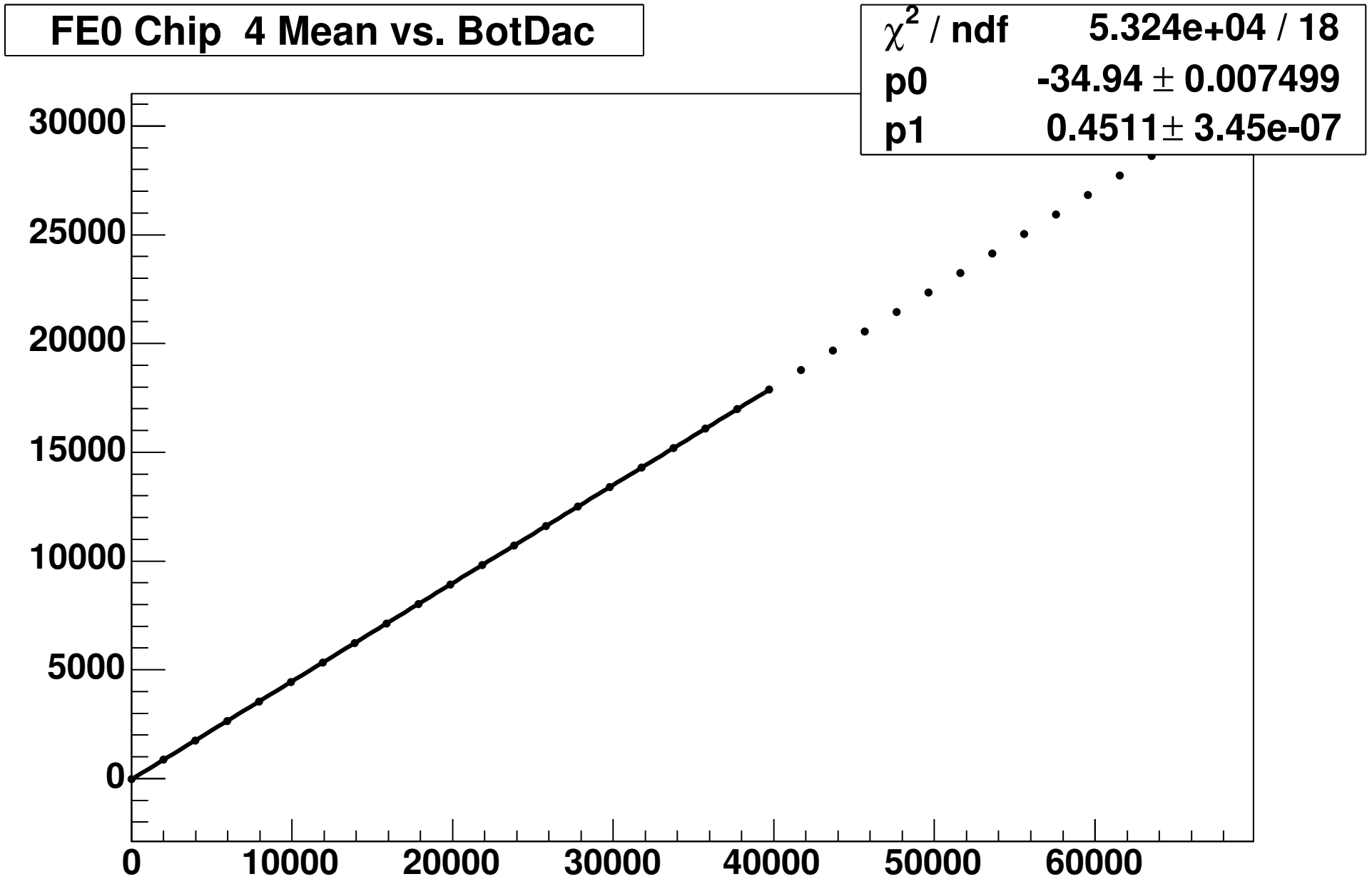

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 9.505 / 18
p0 1.503 ± 0.00253
p1 -3.07e-16 ± 3.022e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 5.427e+04 / 18
p0 -25.15 ± 0.007336
p1 0.4516 ± 3.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 327.1 / 18
p0 1.364 ± 0.003997
p1 3.61e-05 ± 2.77e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Mean vs. TopDac
χ^2 / ndf 77.97 / 18
p0 -23.8 ± 0.007238
p1 -1.313e-06 ± 3.046e-07
-23.72
-23.74
-23.76
-23.78
-23.8
-23.82
-23.84
-23.86
-23.88
-23.9
-23.92
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 12.86 / 18
p0 1.468 ± 0.003771
p1 2.501e-06 ± 2.959e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 5.324e+04 / 18
p0 -34.94 ± 0.007499
p1 0.4511 ± 3.45e-07
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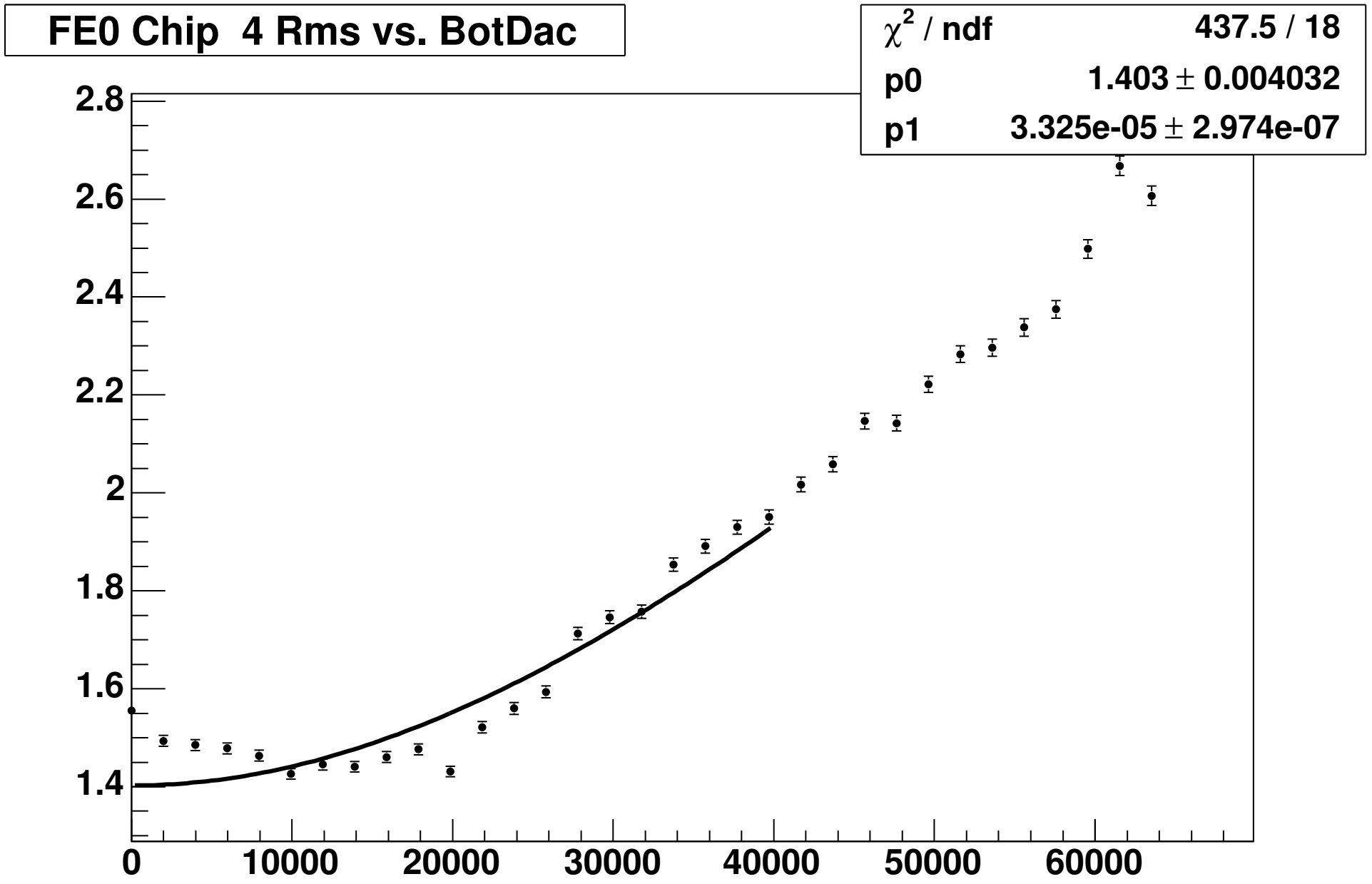
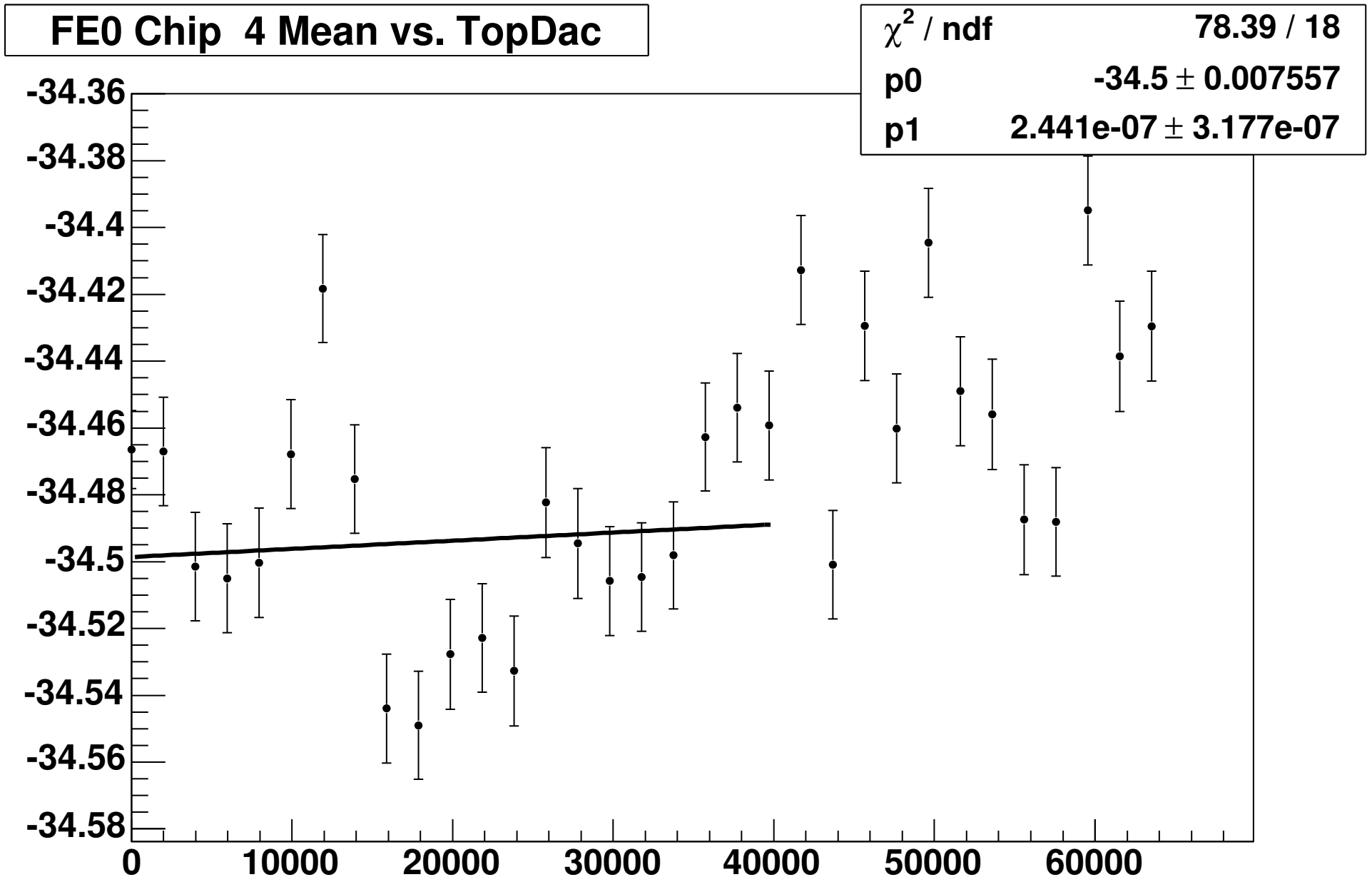
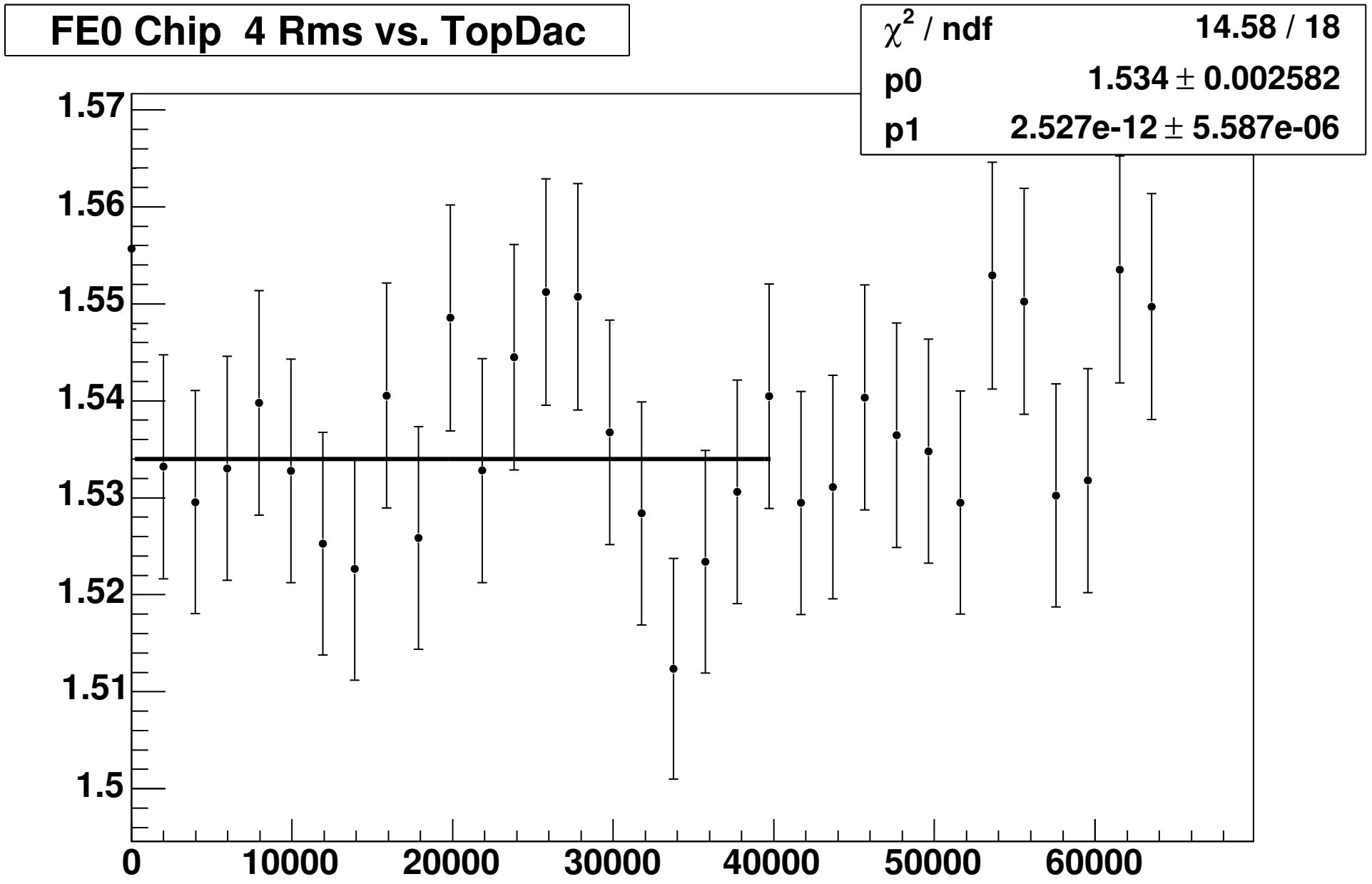
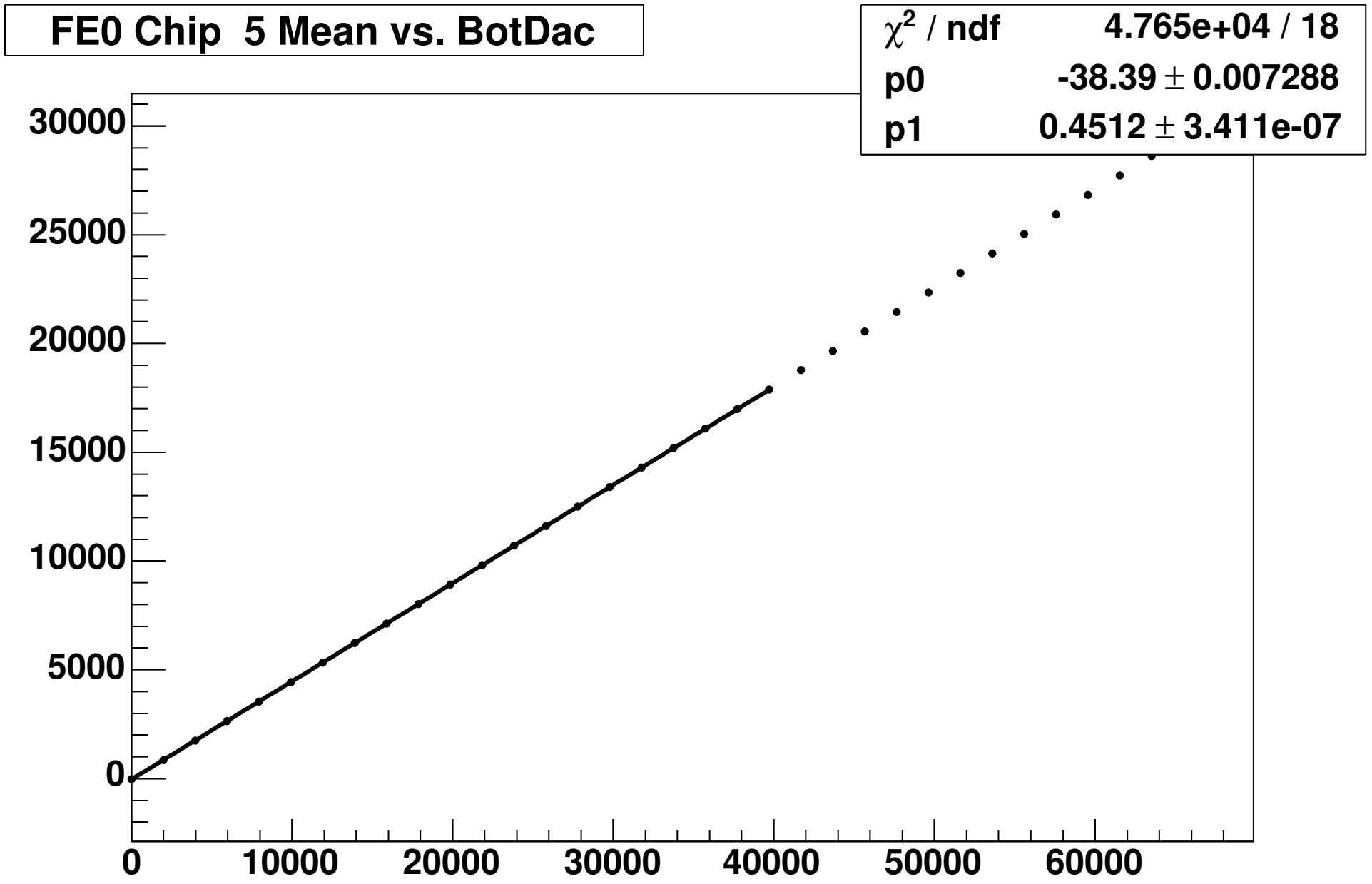
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 437.5 / 18
p0 1.403 ± 0.004032
p1 3.325e-05 ± 2.974e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 78.39 / 18
p0 -34.5 ± 0.007557
p1 2.441e-07 ± 3.177e-07
-34.36
-34.38
-34.4
-34.42
-34.44
-34.46
-34.48
-34.5
-34.52
-34.54
-34.56
-34.58
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 14.58 / 18
p0 1.534 ± 0.002582
p1 2.527e-12 ± 5.587e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 4.765e+04 / 18
p0 -38.39 ± 0.007288
p1 0.4512 ± 3.411e-07
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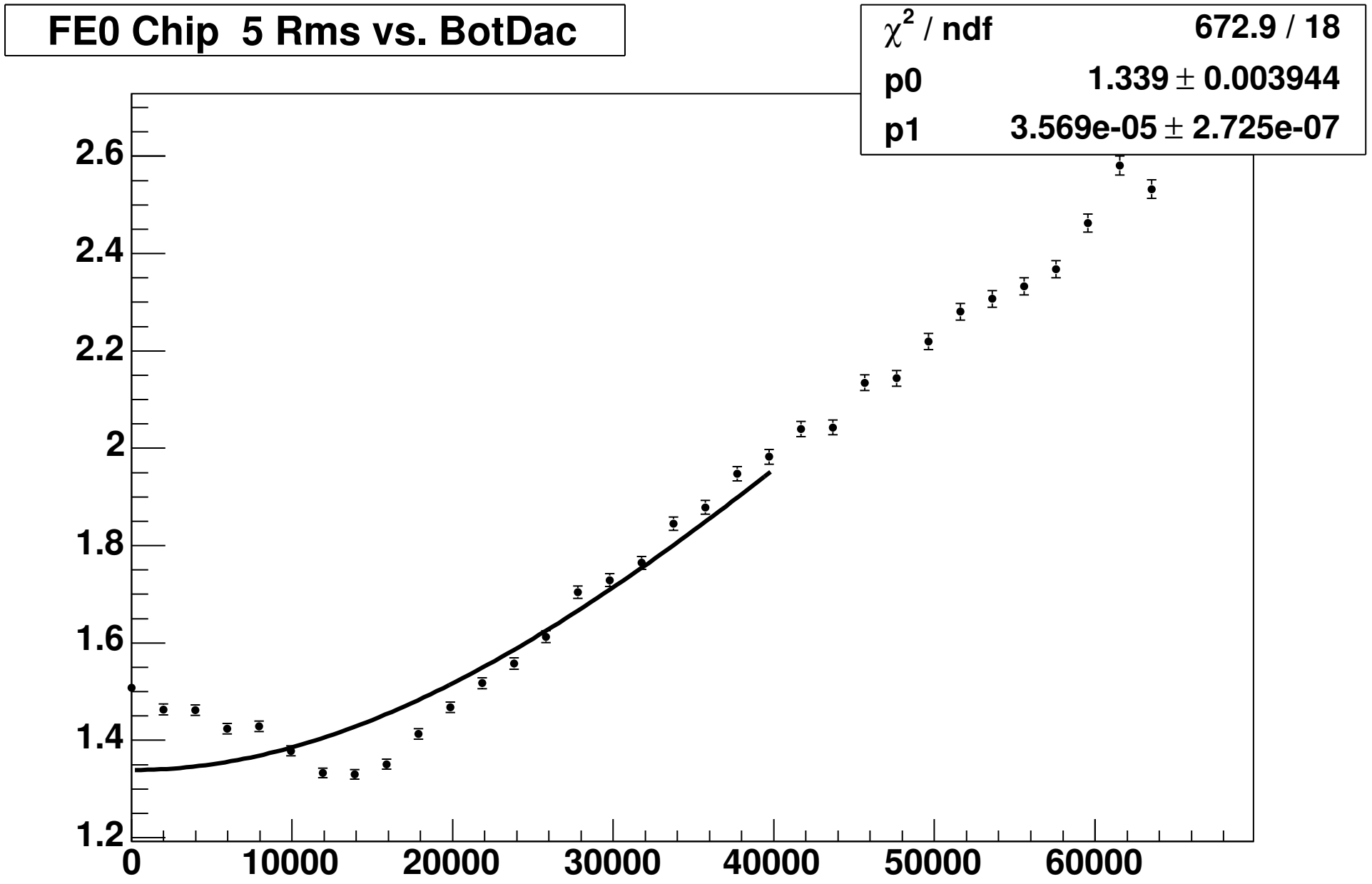
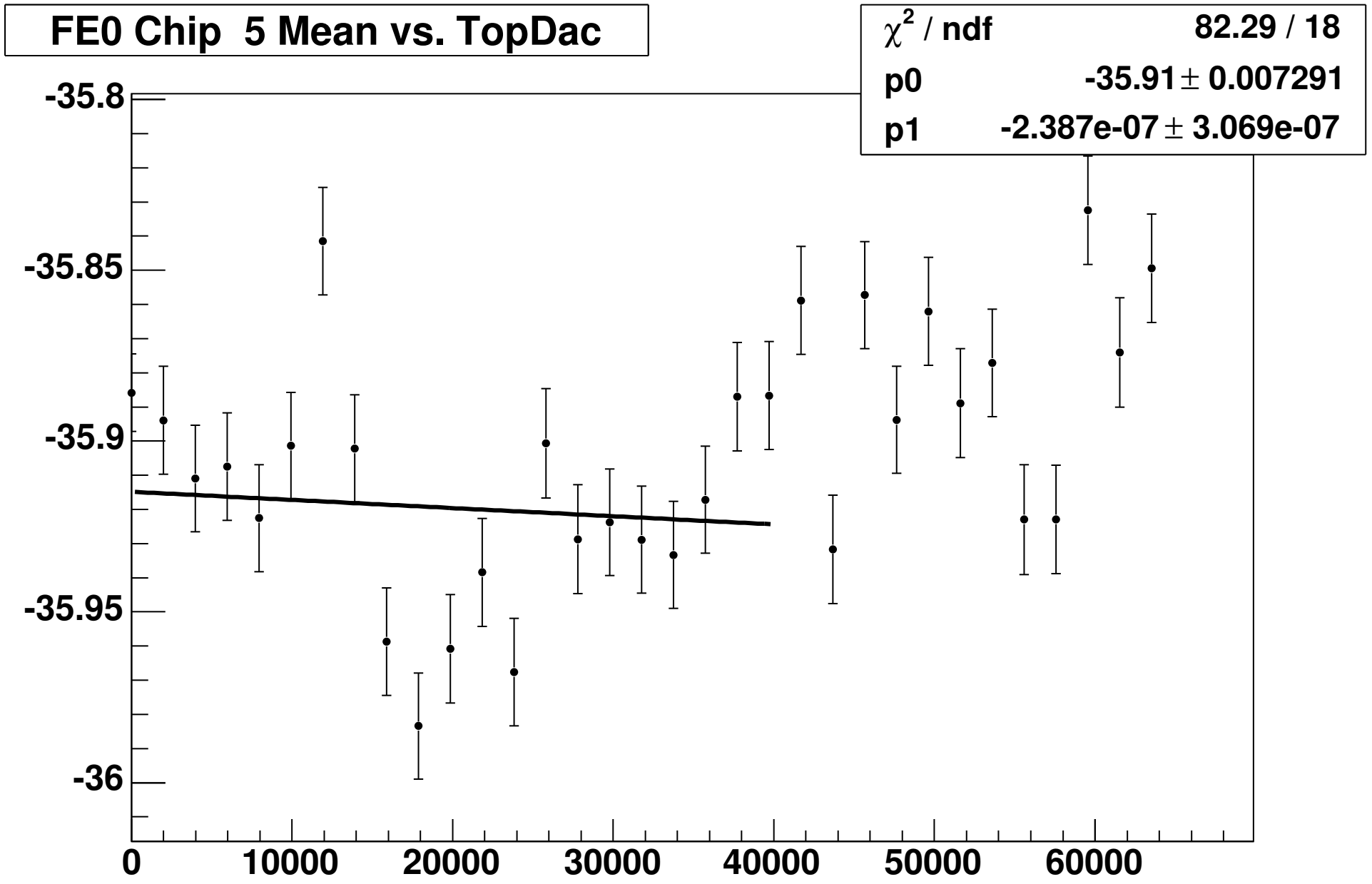
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 672.9 / 18
p0 1.339 ± 0.003944
p1 3.569e-05 ± 2.725e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 82.29 / 18
p0 -35.91 ± 0.007291
p1 -2.387e-07 ± 3.069e-07
-35.8
-35.85
-35.9
-35.95
-36
0
10000
20000
30000
40000
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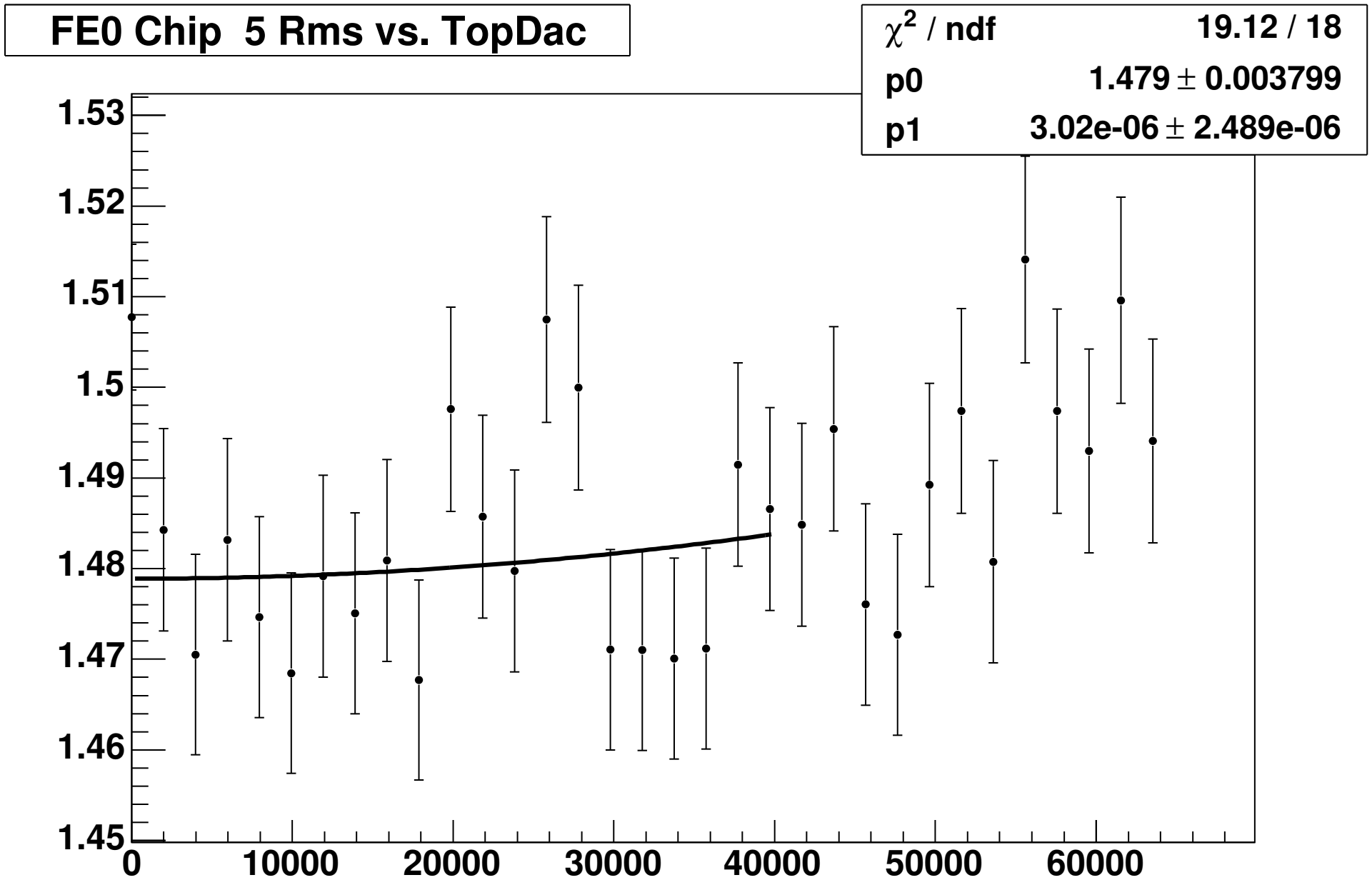
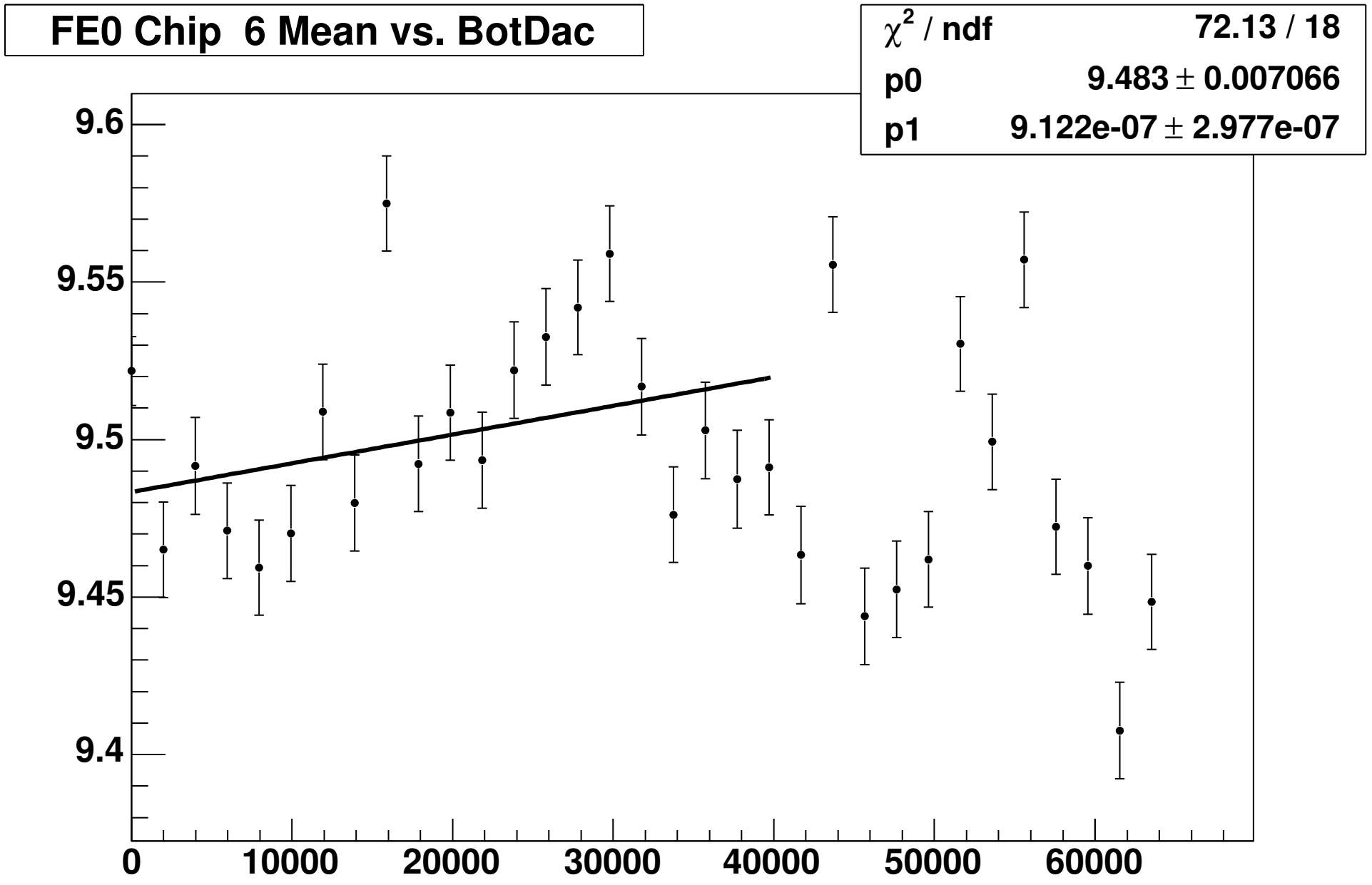
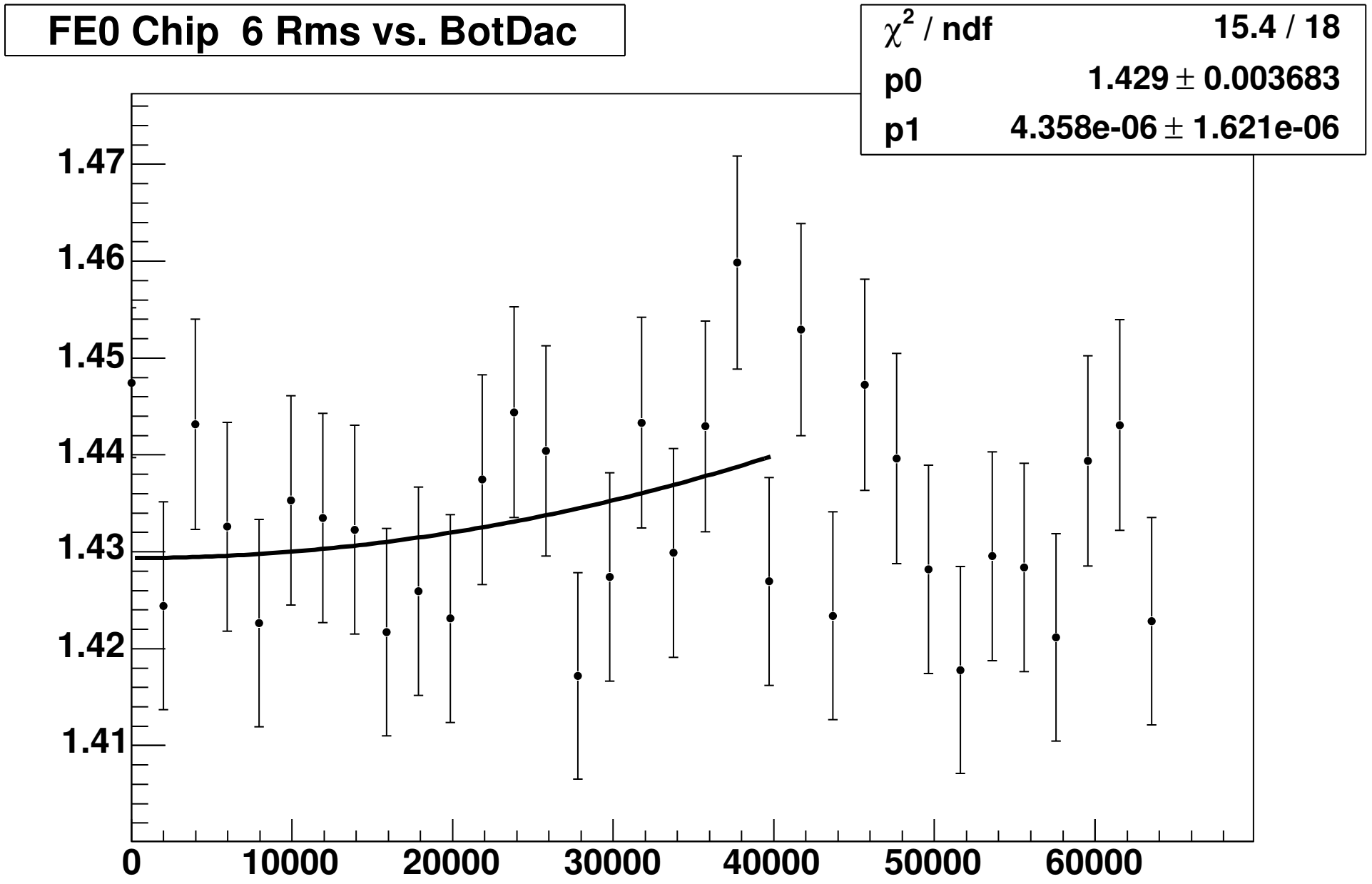
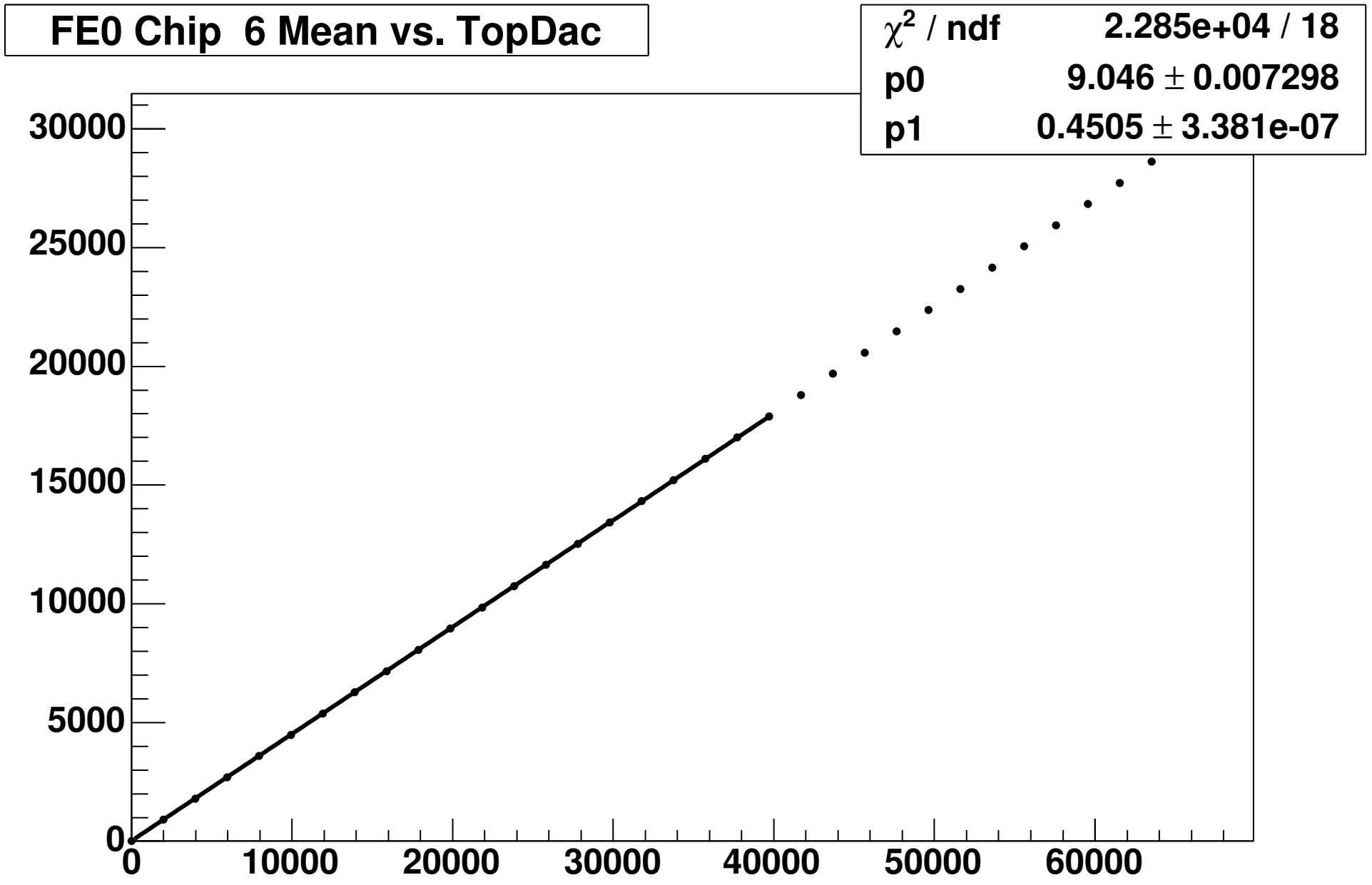
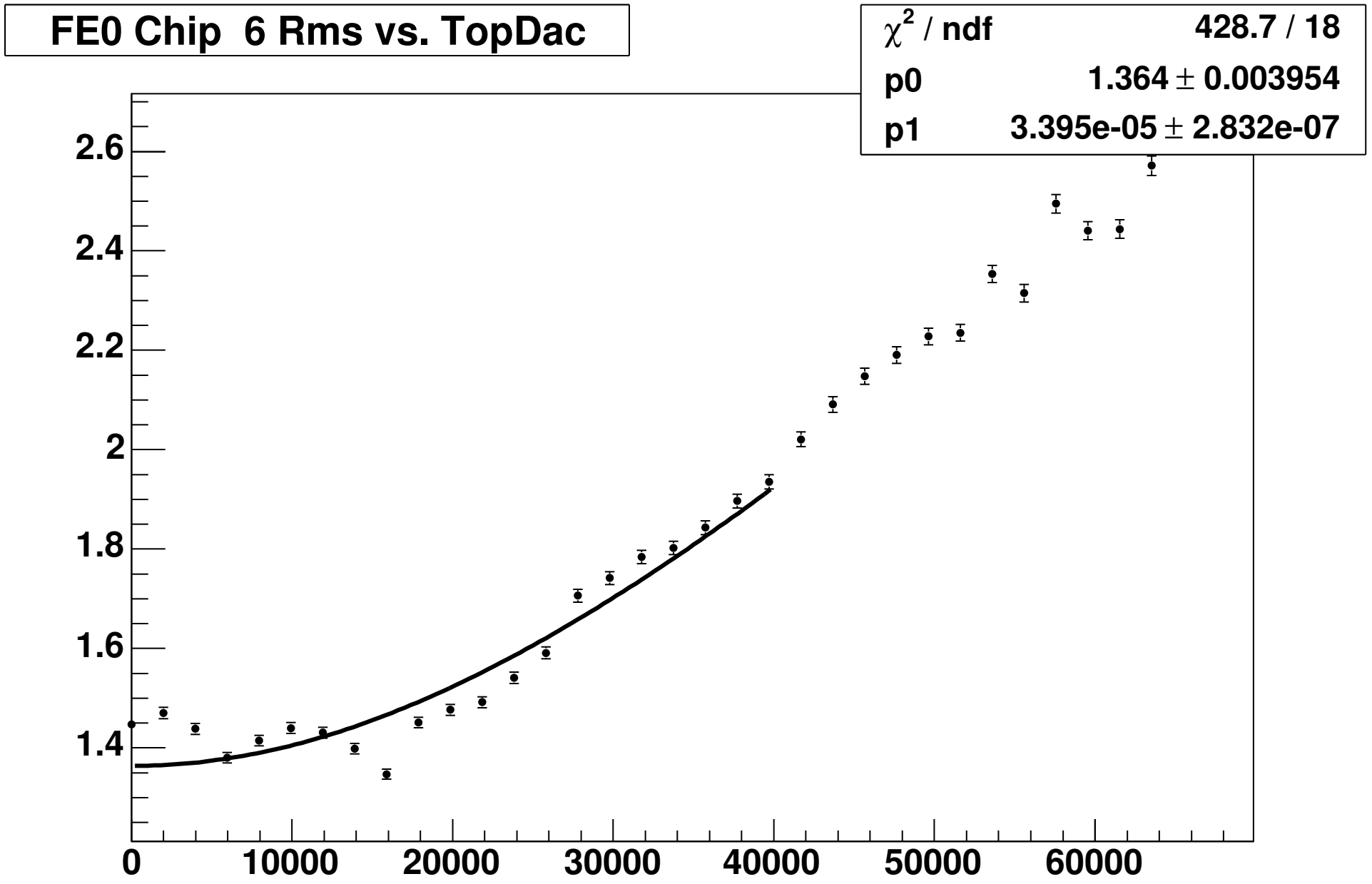
60000

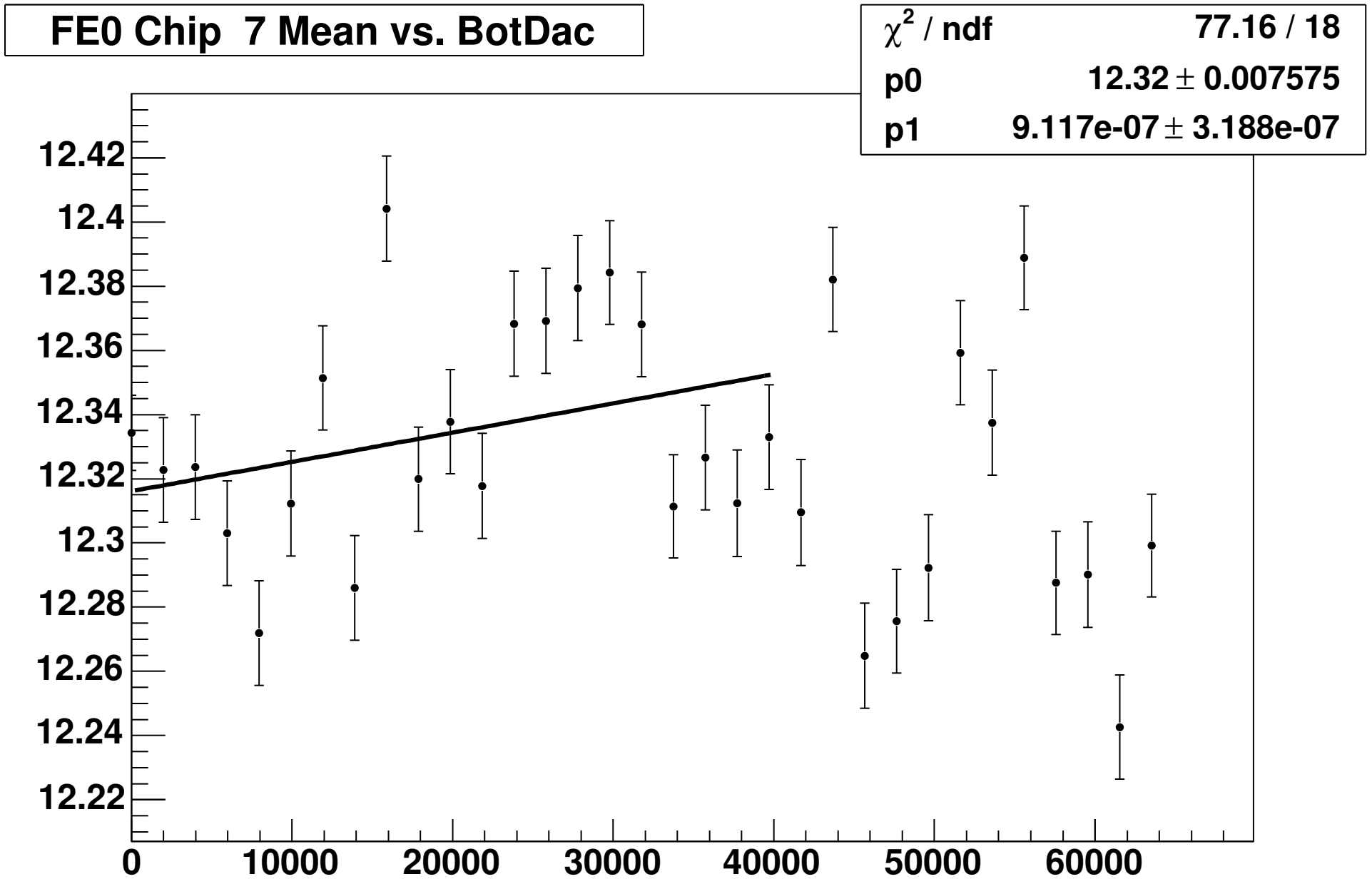

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 19.12 / 18
p0 1.479 ± 0.003799
p1 3.02e-06 ± 2.489e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

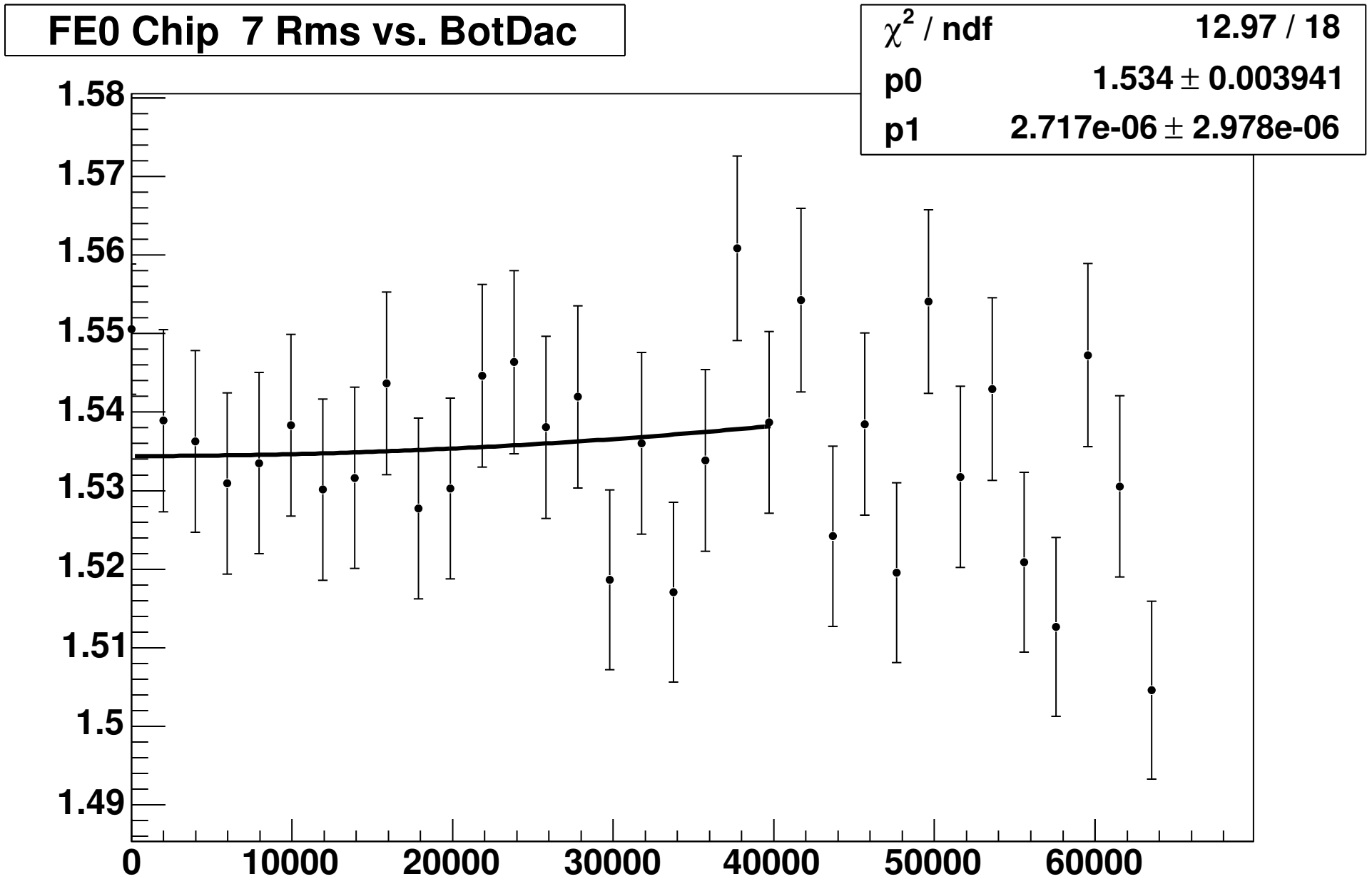

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 72.13 / 18
p0 9.483 ± 0.007066
p1 9.122e-07 ± 2.977e-07
9.6
9.55
9.5
9.45
9.4
0
10000
20000
30000
40000
50000
60000

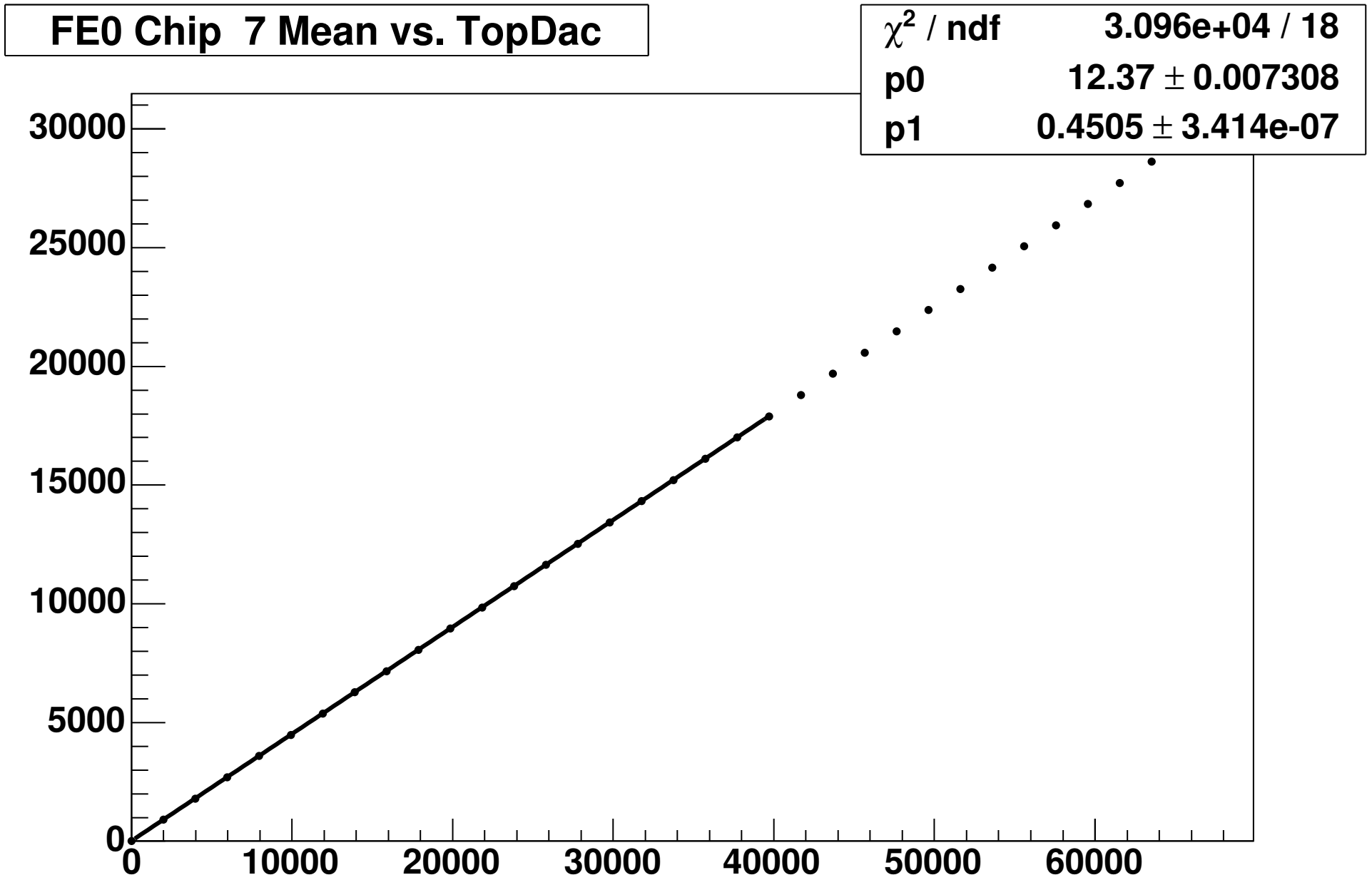

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 15.4 / 18
p0 1.429 ± 0.003683
p1 4.358e-06 ± 1.621e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

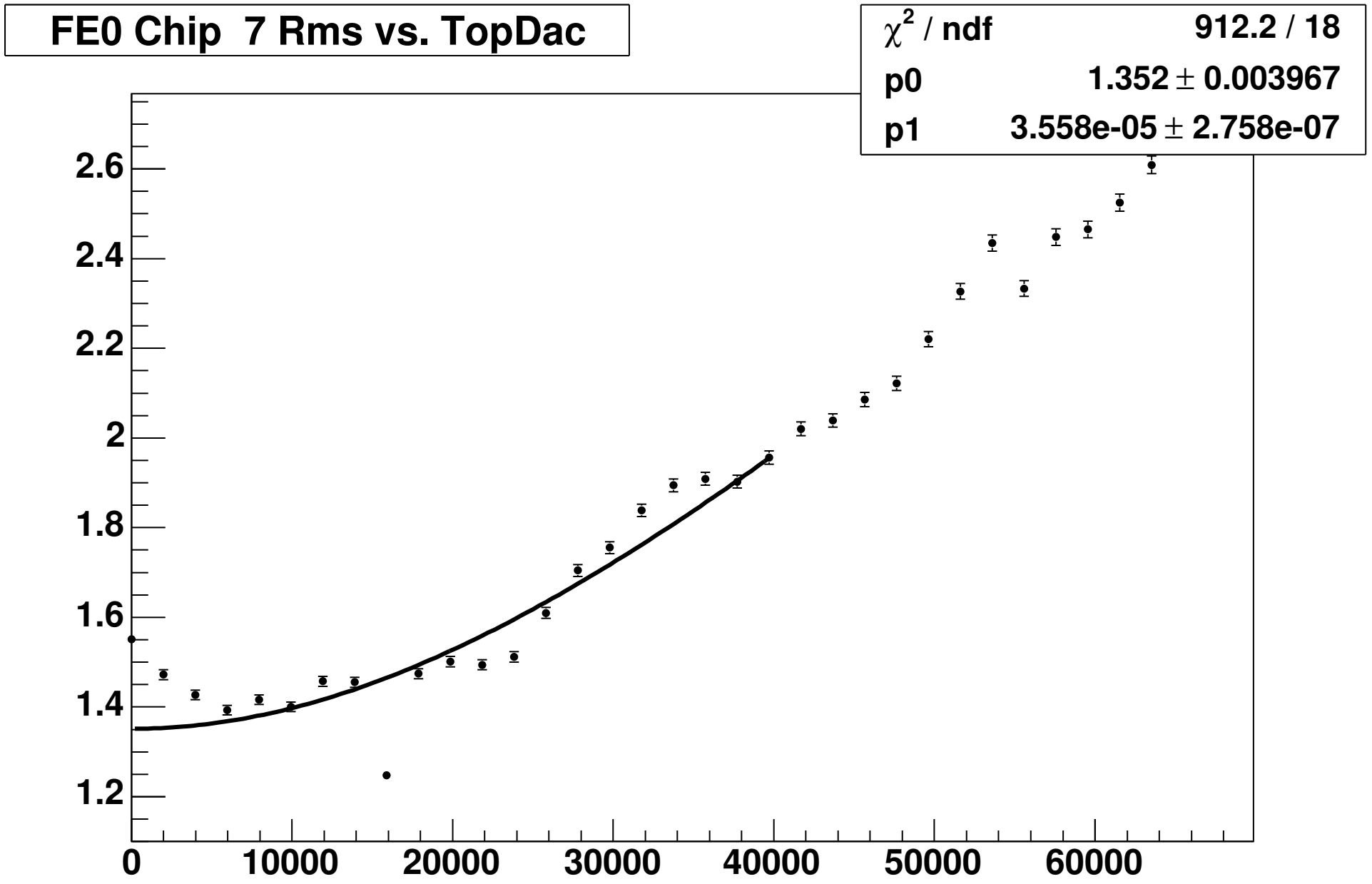

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 2.285e+04 / 18
p0 9.046 ± 0.007298
p1 0.4505 ± 3.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

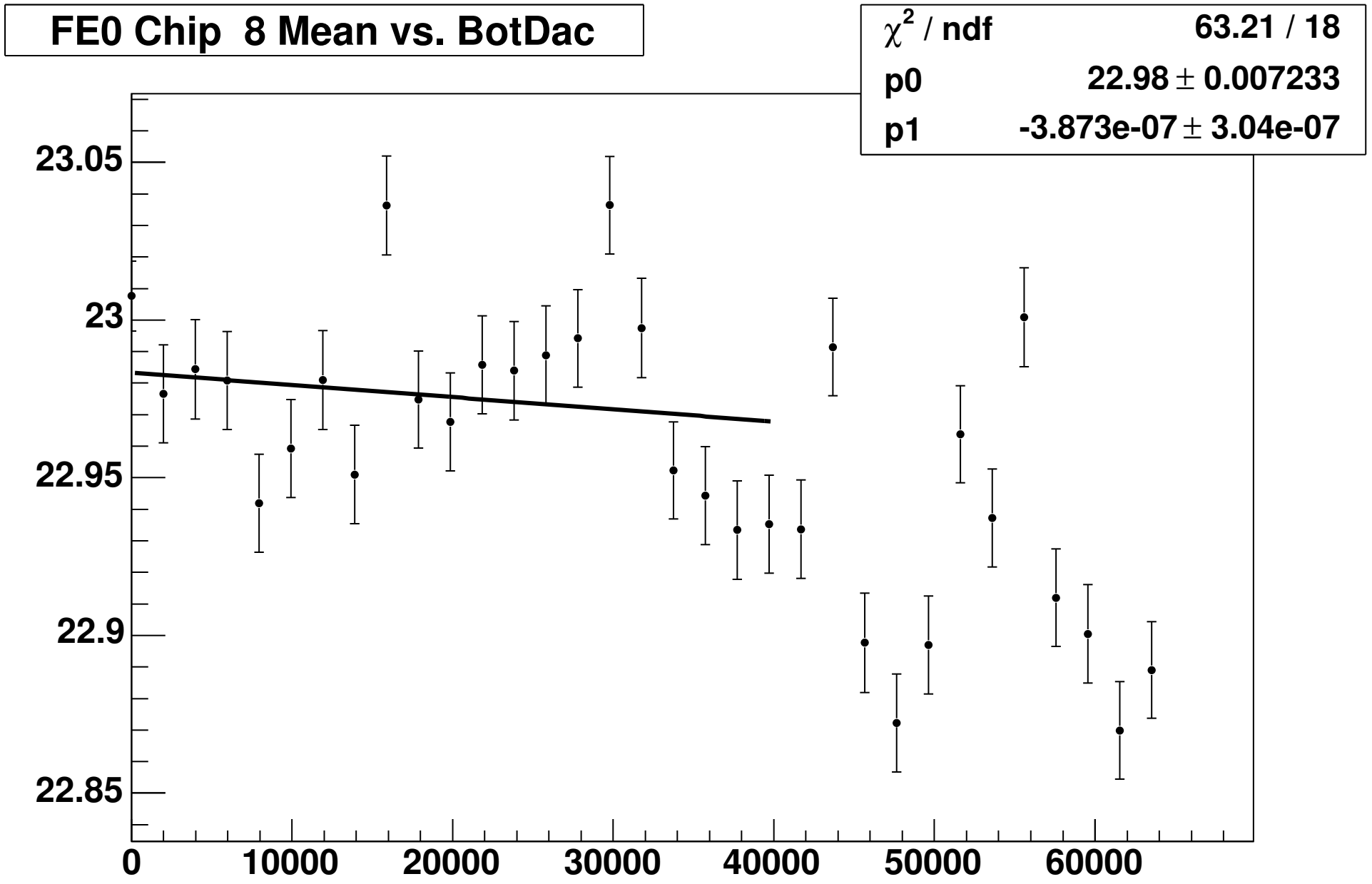

FE0 Chip 6 Rms vs. TopDac
χ^2 / ndf 428.7 / 18
p0 1.364 ± 0.003954
p1 3.395e-05 ± 2.832e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

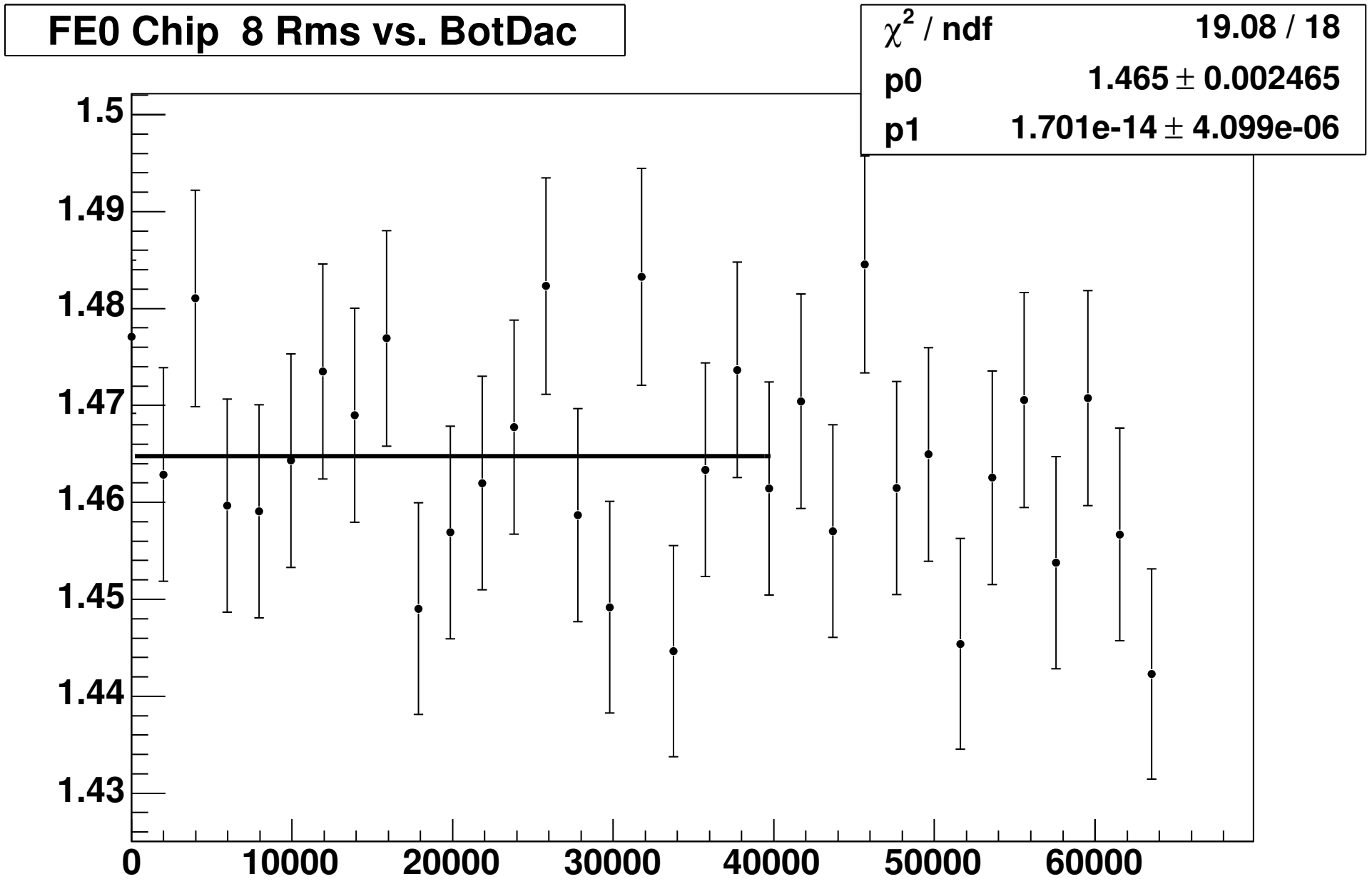

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 77.16 / 18
p0 12.32 ± 0.007575
p1 9.117e-07 ± 3.188e-07
12.42
12.4
12.38
12.36
12.34
12.32
12.3
12.28
12.26
12.24
12.22
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 12.97 / 18
p0 1.534 ± 0.003941
p1 2.717e-06 ± 2.978e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 3.096e+04 / 18
p0 12.37 ± 0.007308
p1 0.4505 ± 3.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 912.2 / 18
p0 1.352 ± 0.003967
p1 3.558e-05 ± 2.758e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 63.21 / 18
p0 22.98 ± 0.007233
p1 -3.873e-07 ± 3.04e-07
23.05
23
22.95
22.9
22.85
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 19.08 / 18
p0 1.465 ± 0.002465
p1 1.701e-14 ± 4.099e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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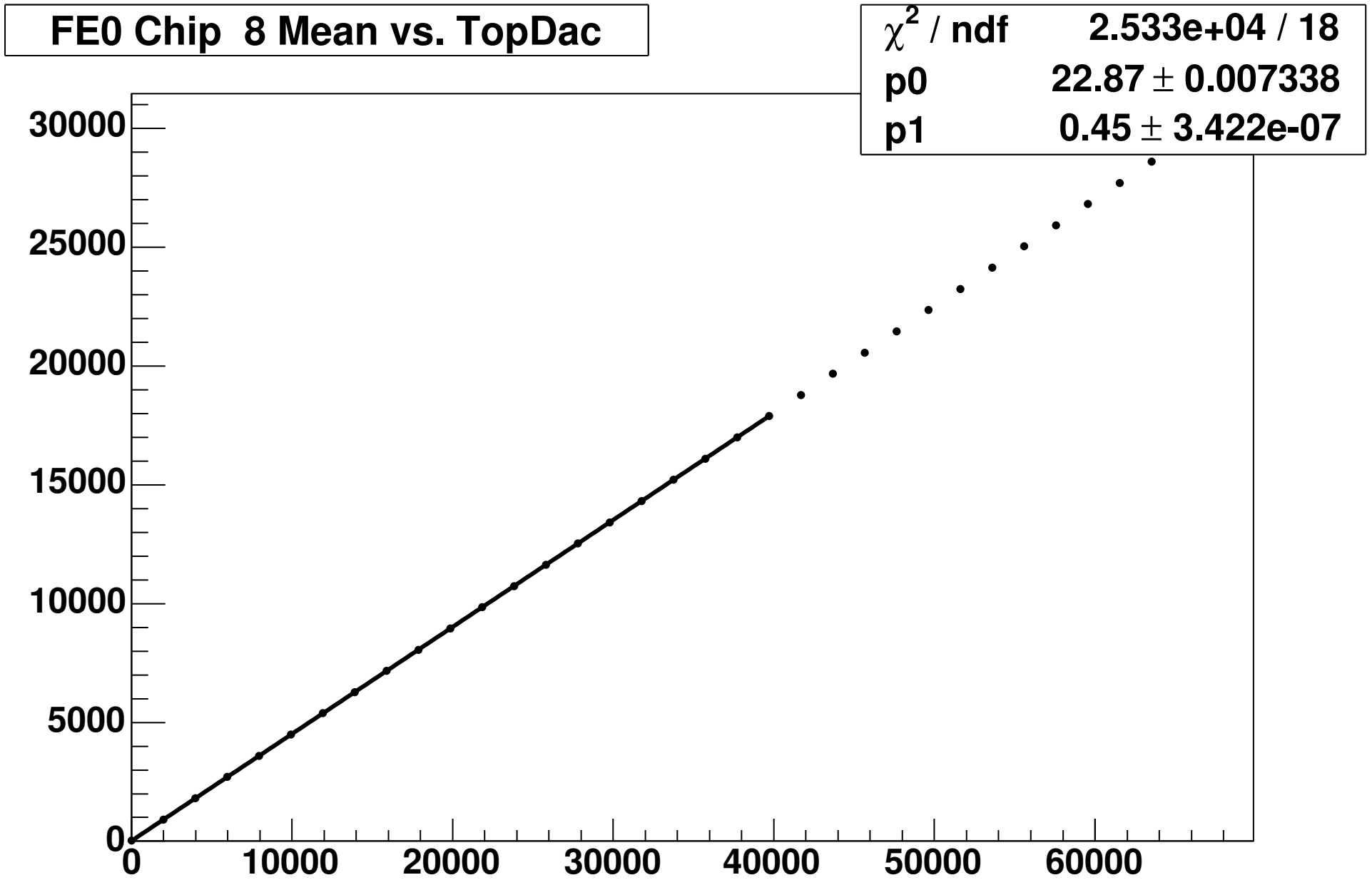
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 2.533e+04 / 18
p0 22.87 ± 0.007338
p1 0.45 ± 3.422e-07
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15000
10000
5000
0
0
10000
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30000
40000
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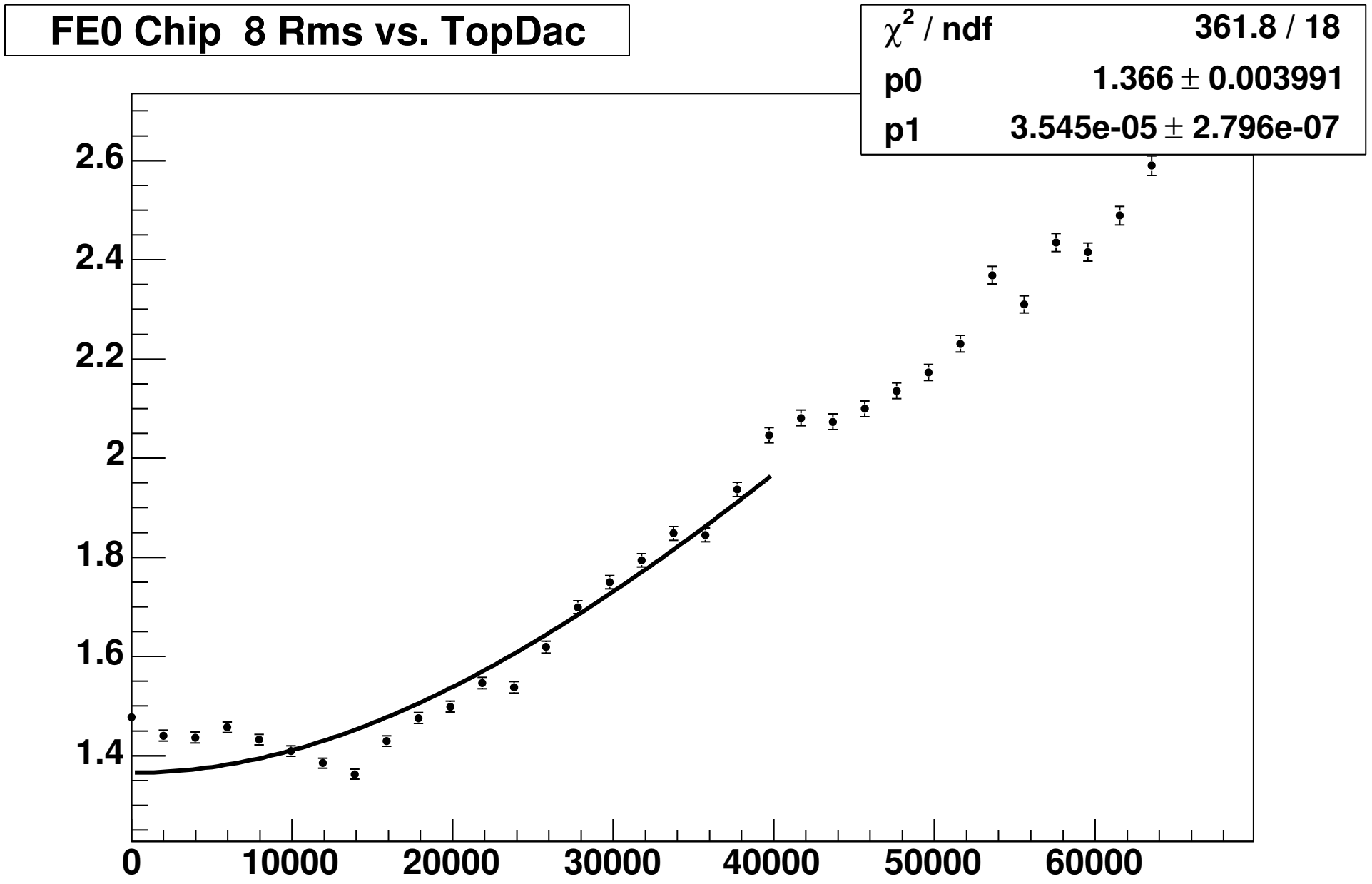
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 361.8 / 18
p0 1.366 ± 0.003991
p1 3.545e-05 ± 2.796e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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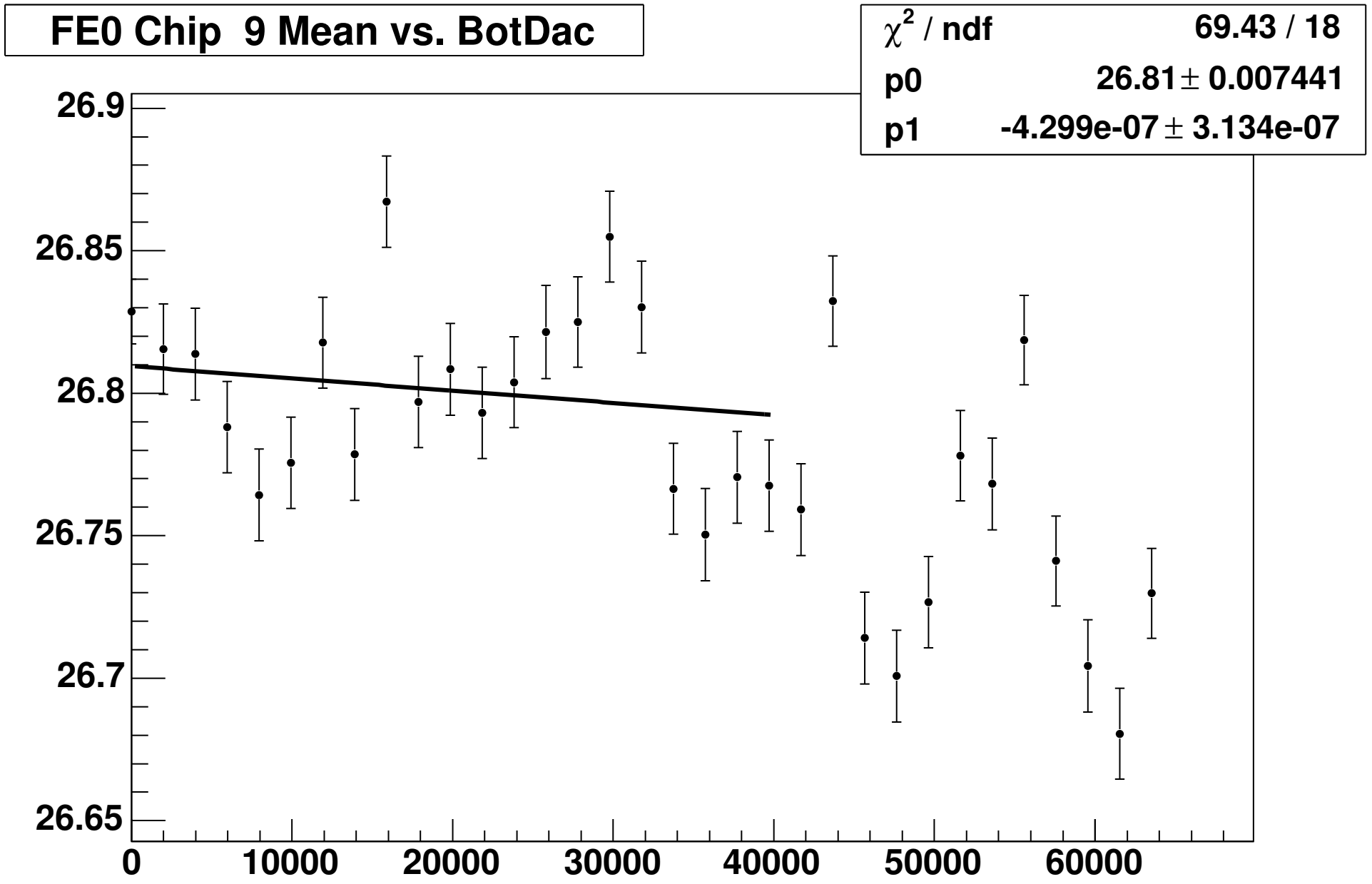
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 69.43 / 18
p0 26.81 ± 0.007441
p1 -4.299e-07 ± 3.134e-07
26.9
26.85
26.8
26.75
26.7
26.65
0
10000
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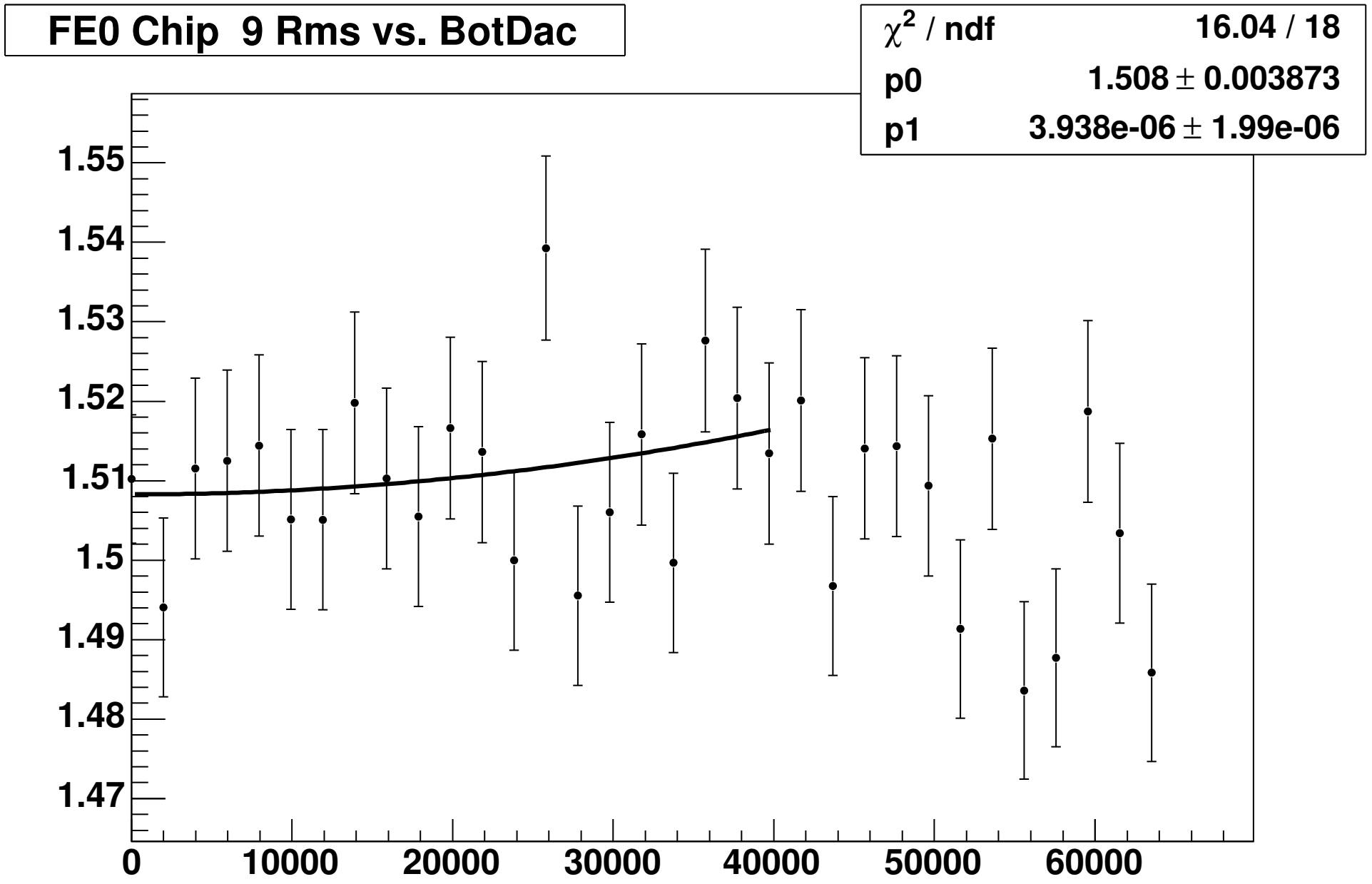
40000
50000
60000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 16.04 / 18
p0 1.508 ± 0.003873
p1 3.938e-06 ± 1.99e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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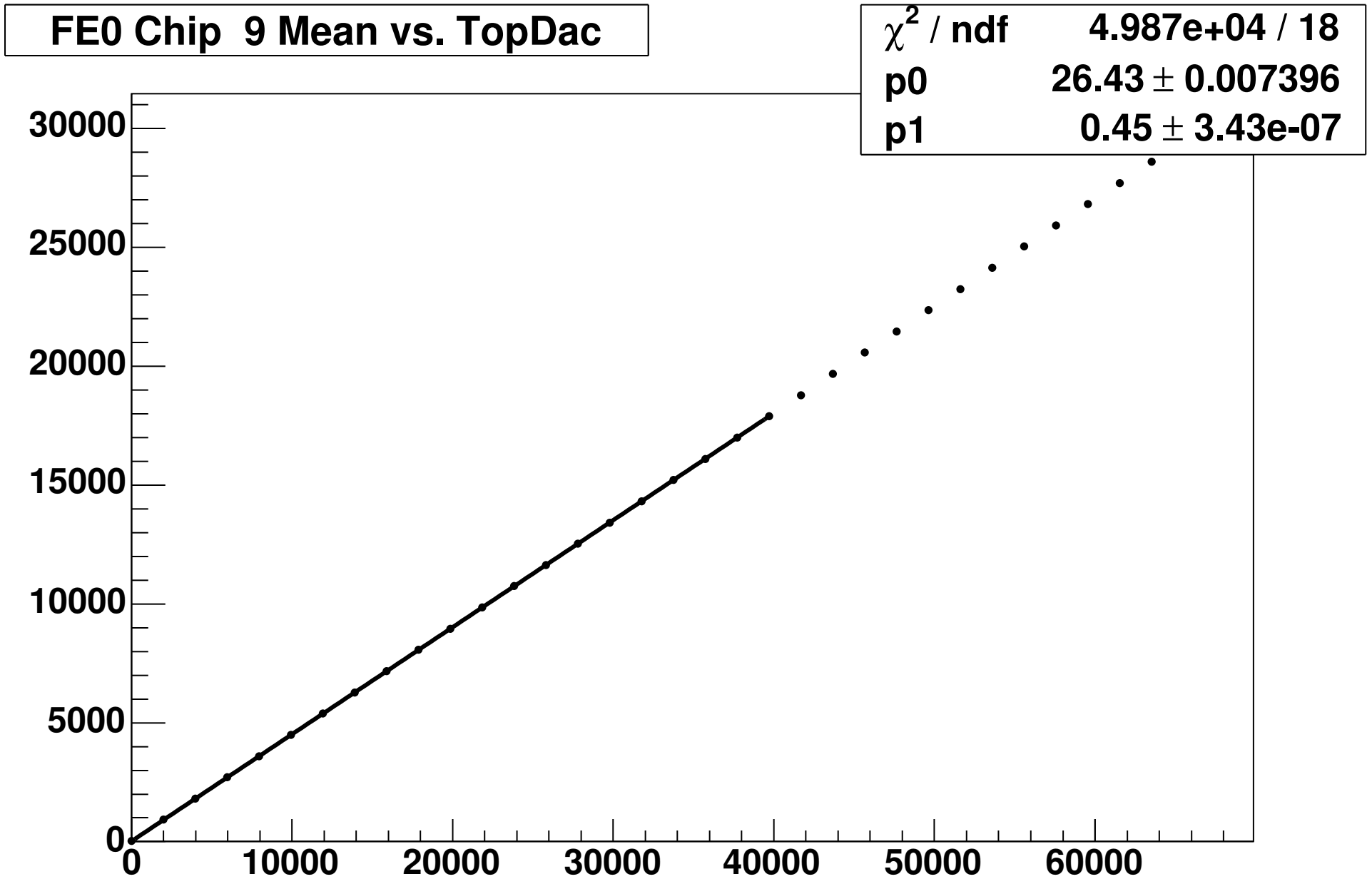
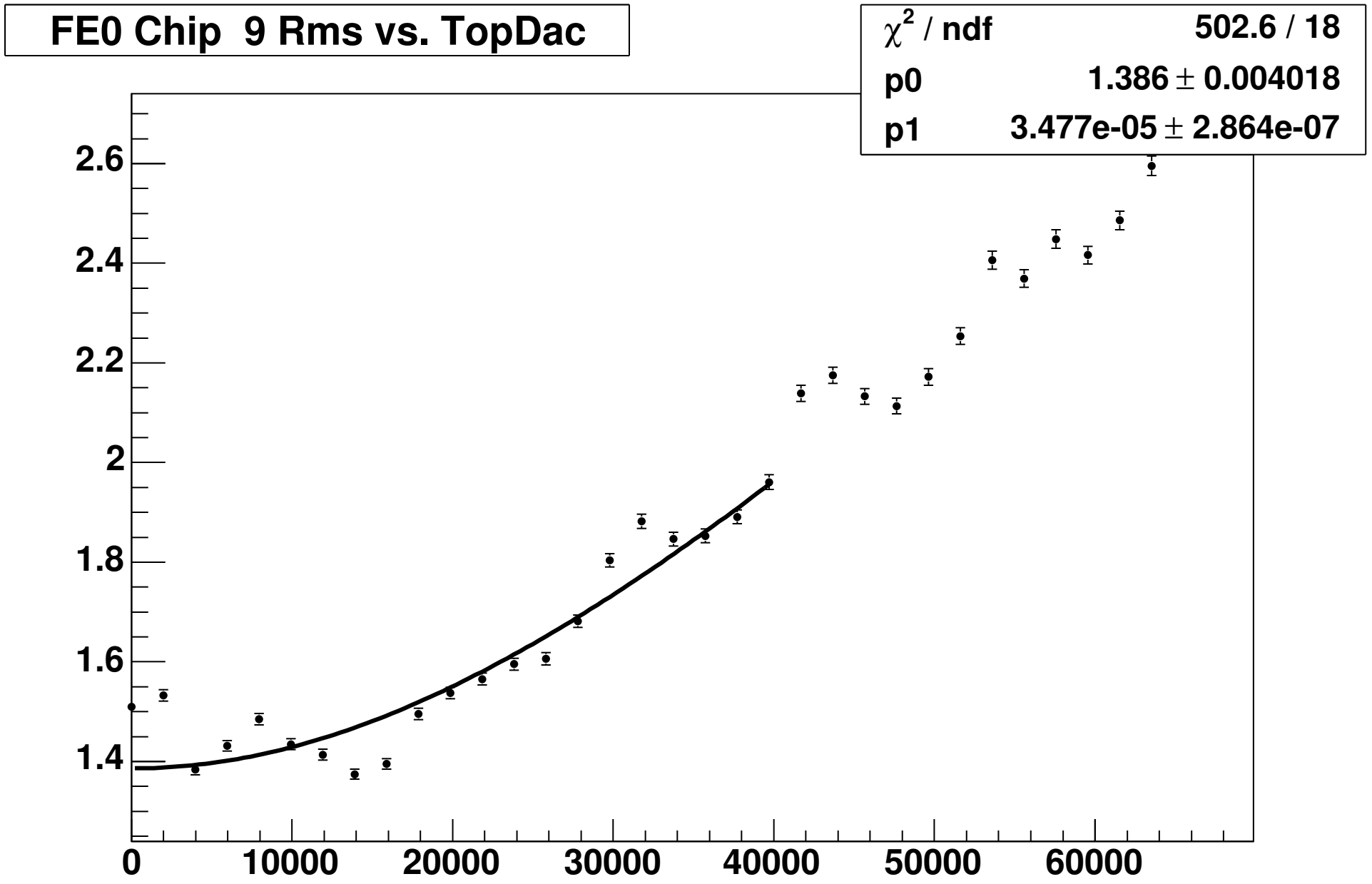
30000
40000
50000
60000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 4.987e+04 / 18
p0 26.43 ± 0.007396
p1 0.45 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 502.6 / 18
p0 1.386 ± 0.004018
p1 3.477e-05 ± 2.864e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
50000
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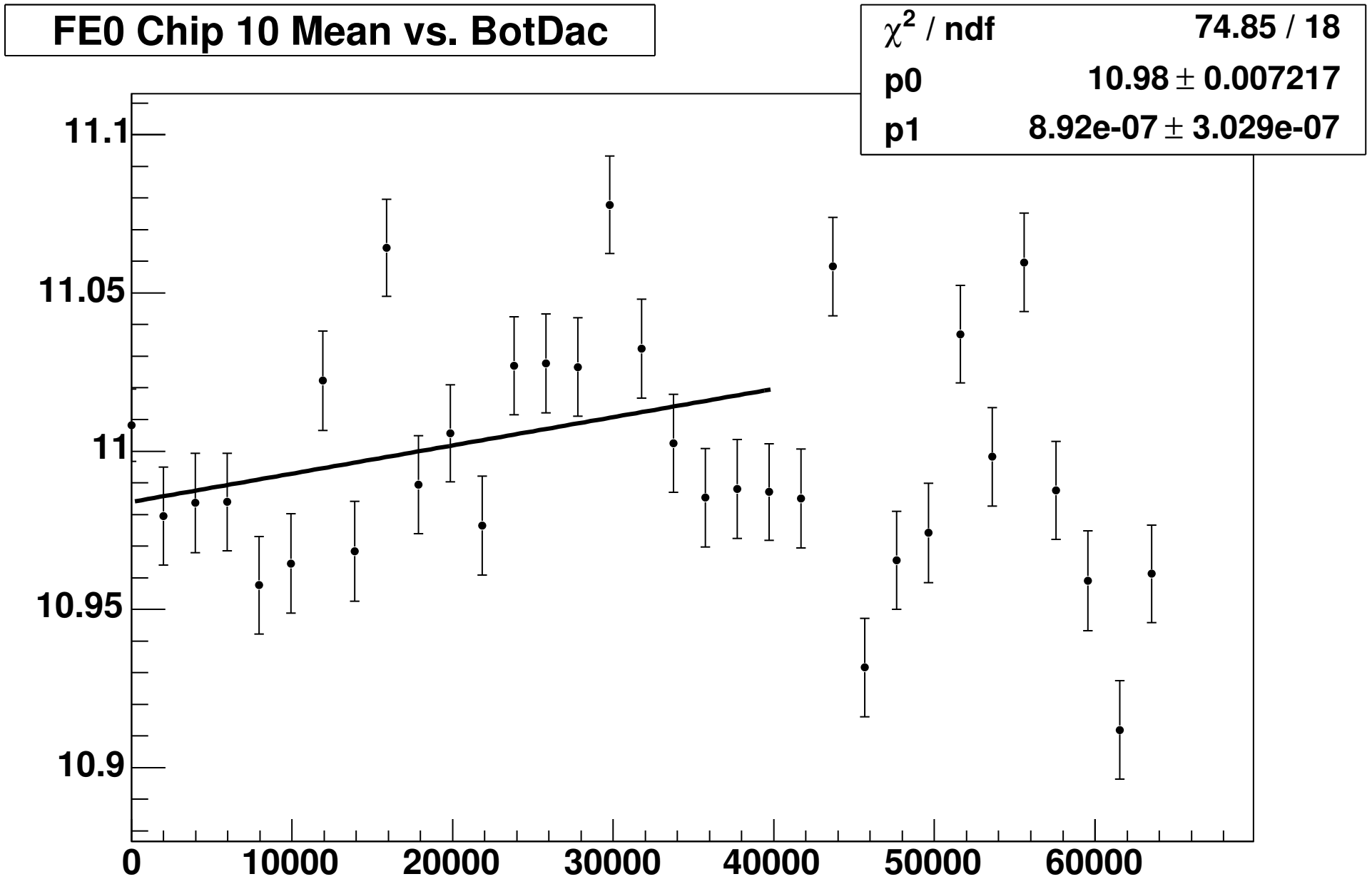
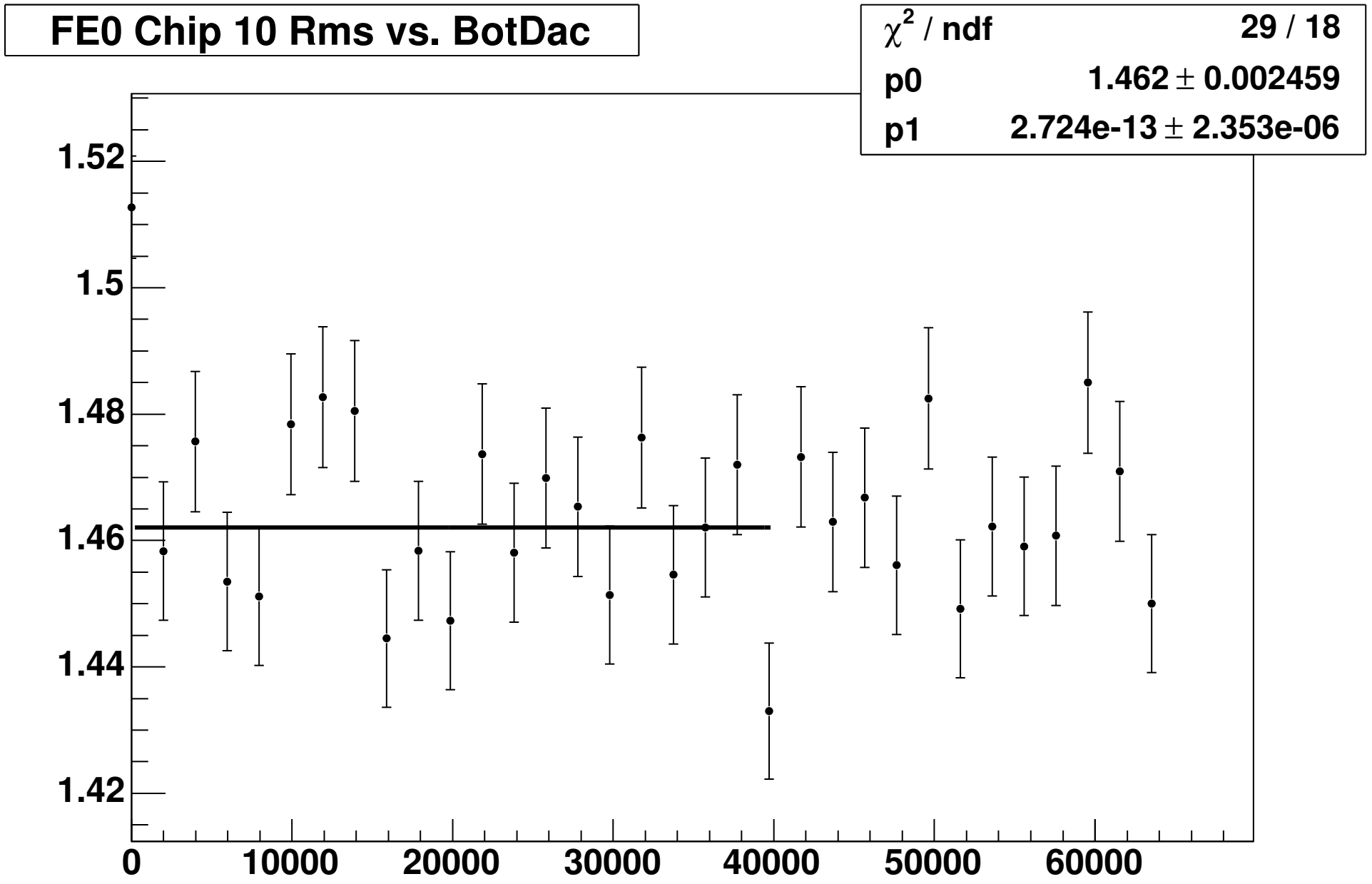
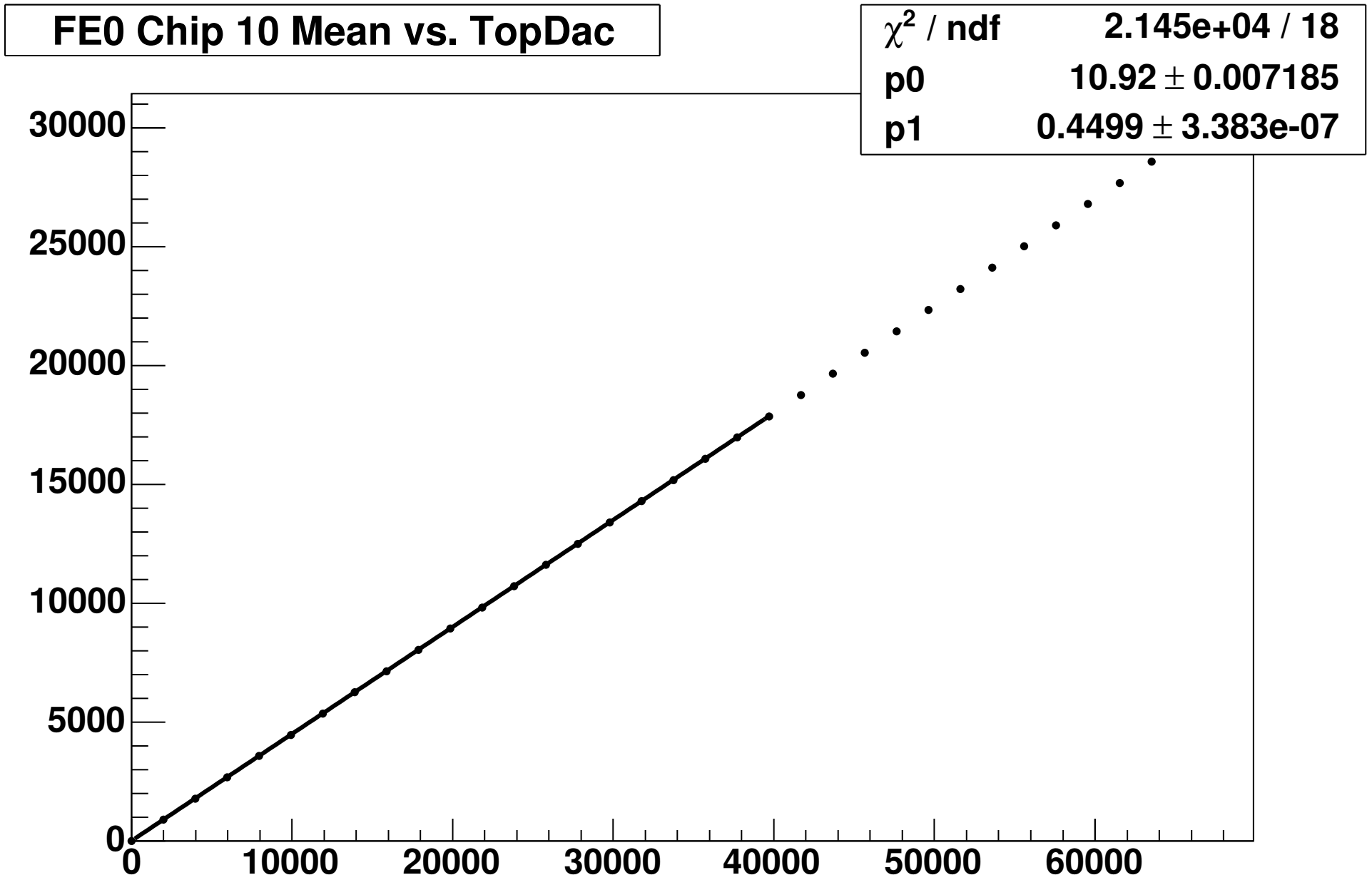

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 74.85 / 18
p0 10.98 ± 0.007217
p1 8.92e-07 ± 3.029e-07
11.1
11.05
11
10.95
10.9
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 29 / 18
p0 1.462 ± 0.002459
p1 2.724e-13 ± 2.353e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 2.145e+04 / 18
p0 10.92 ± 0.007185
p1 0.4499 ± 3.383e-07
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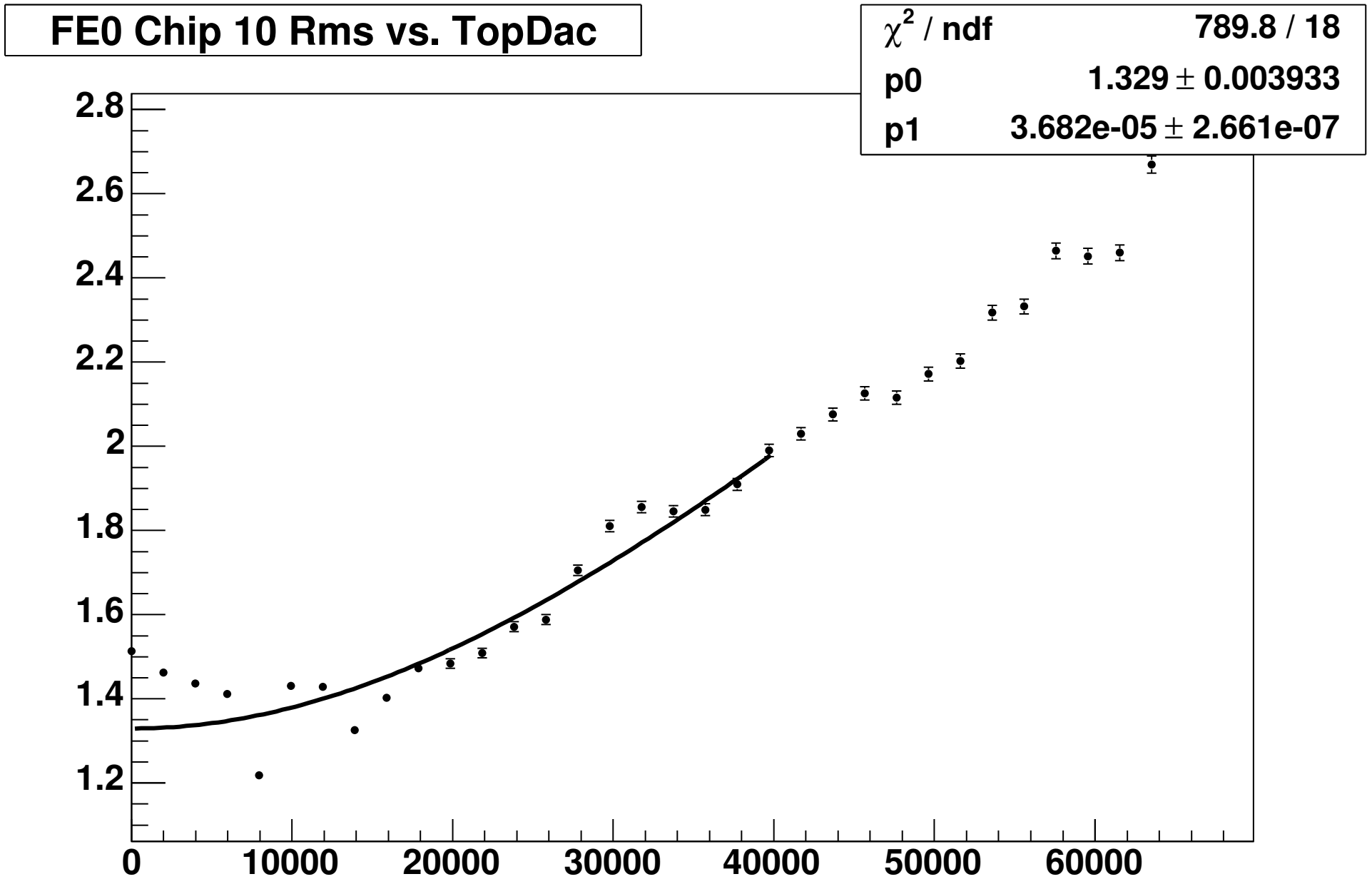
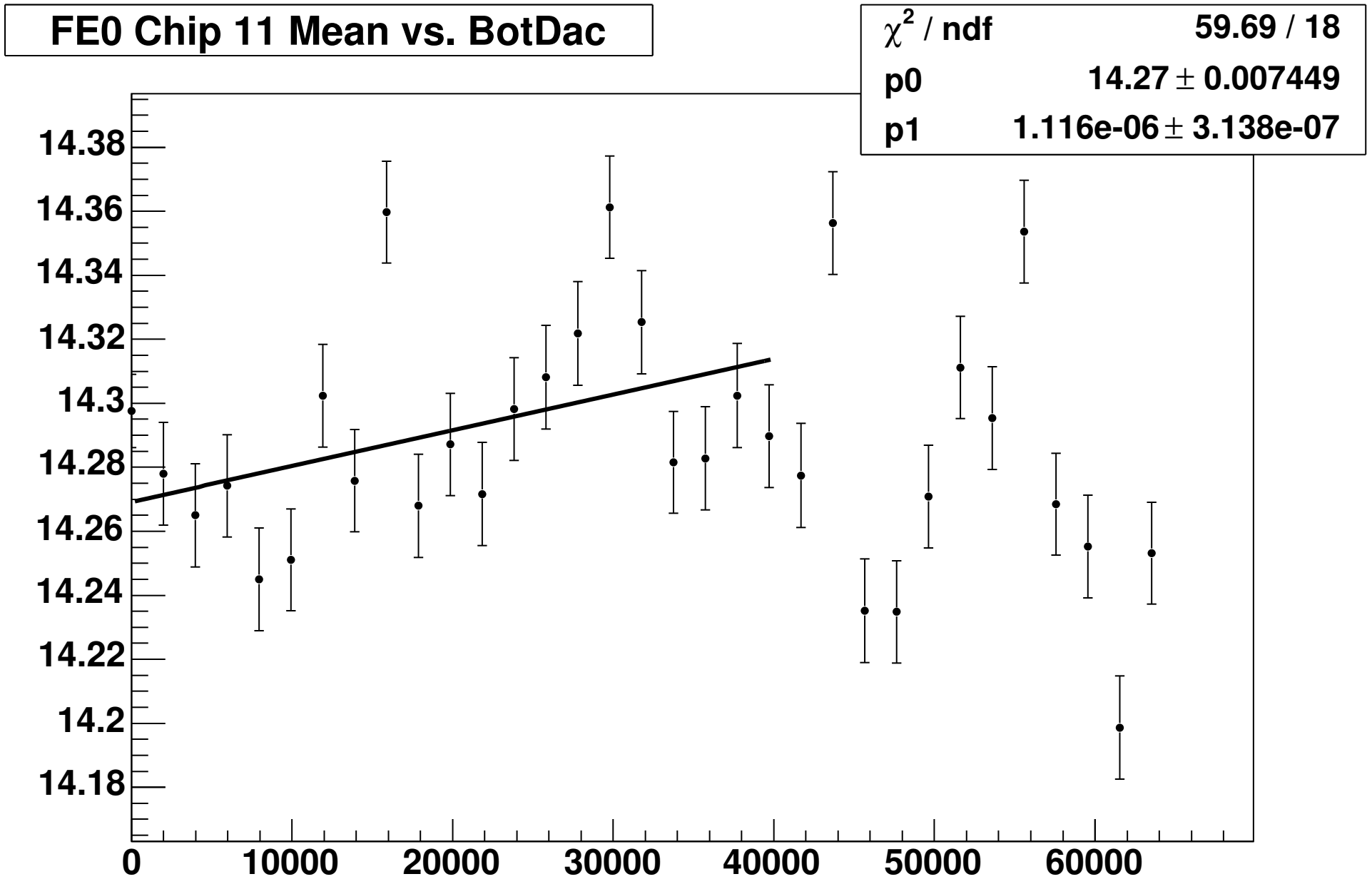
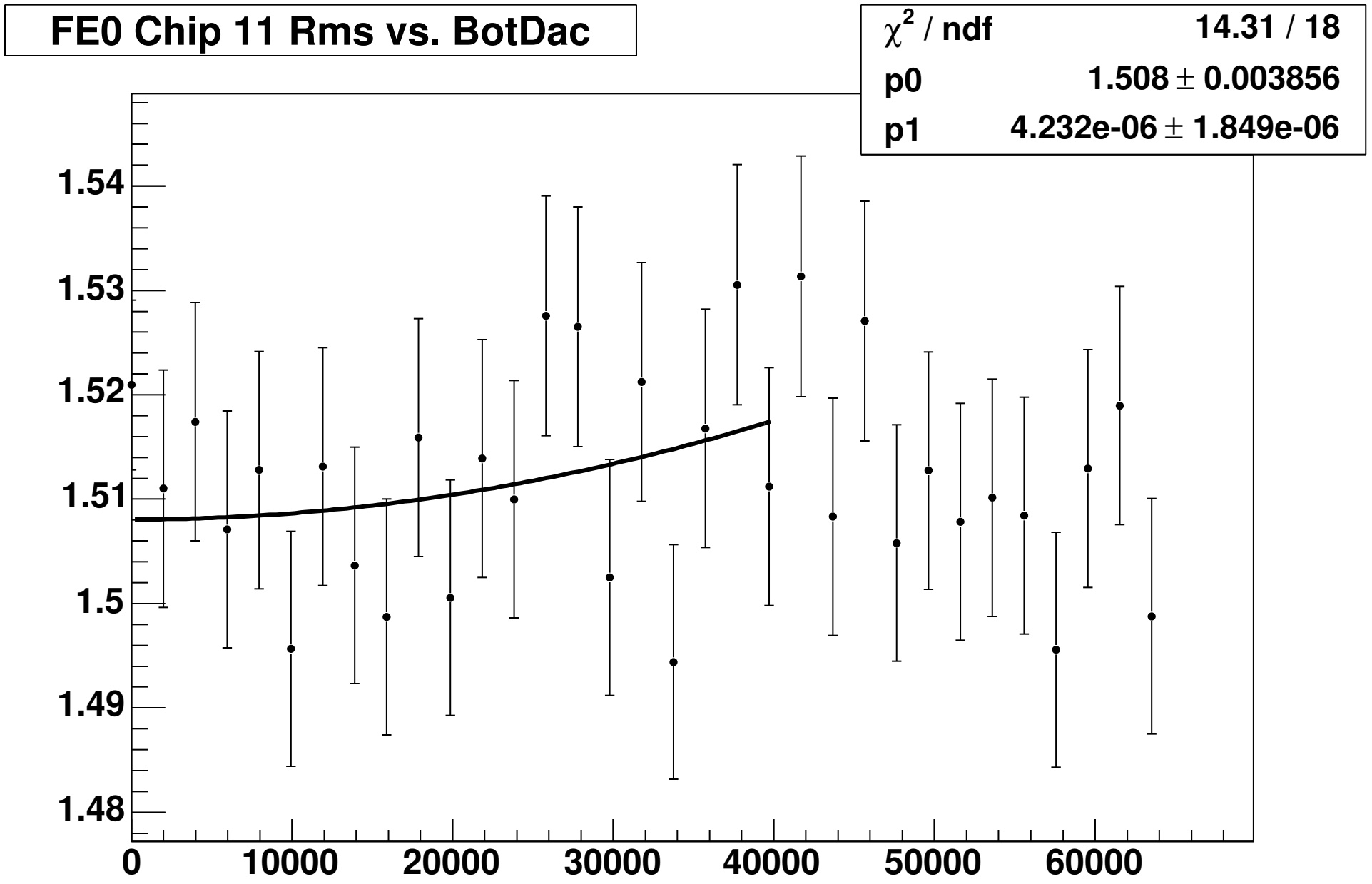
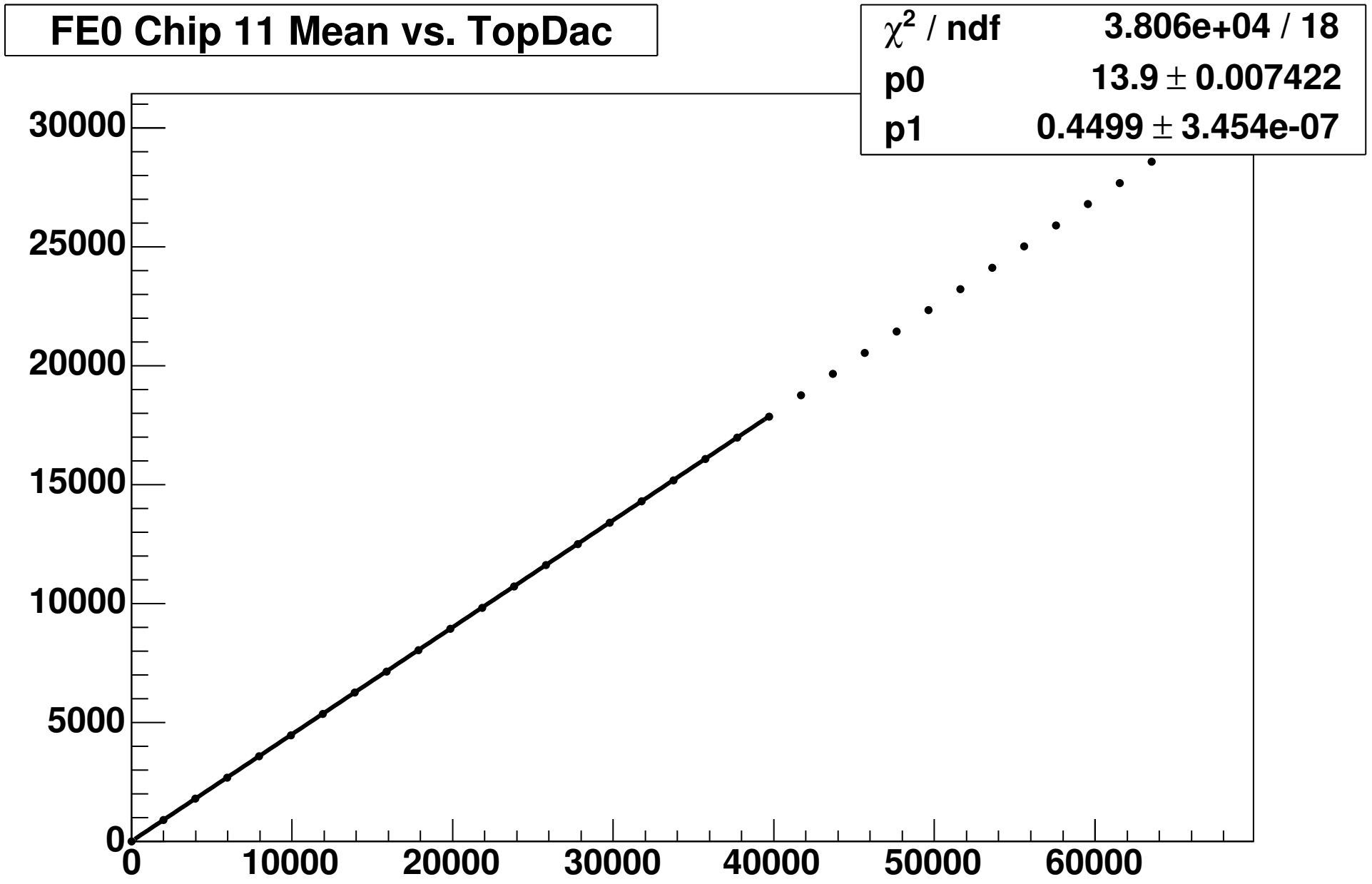
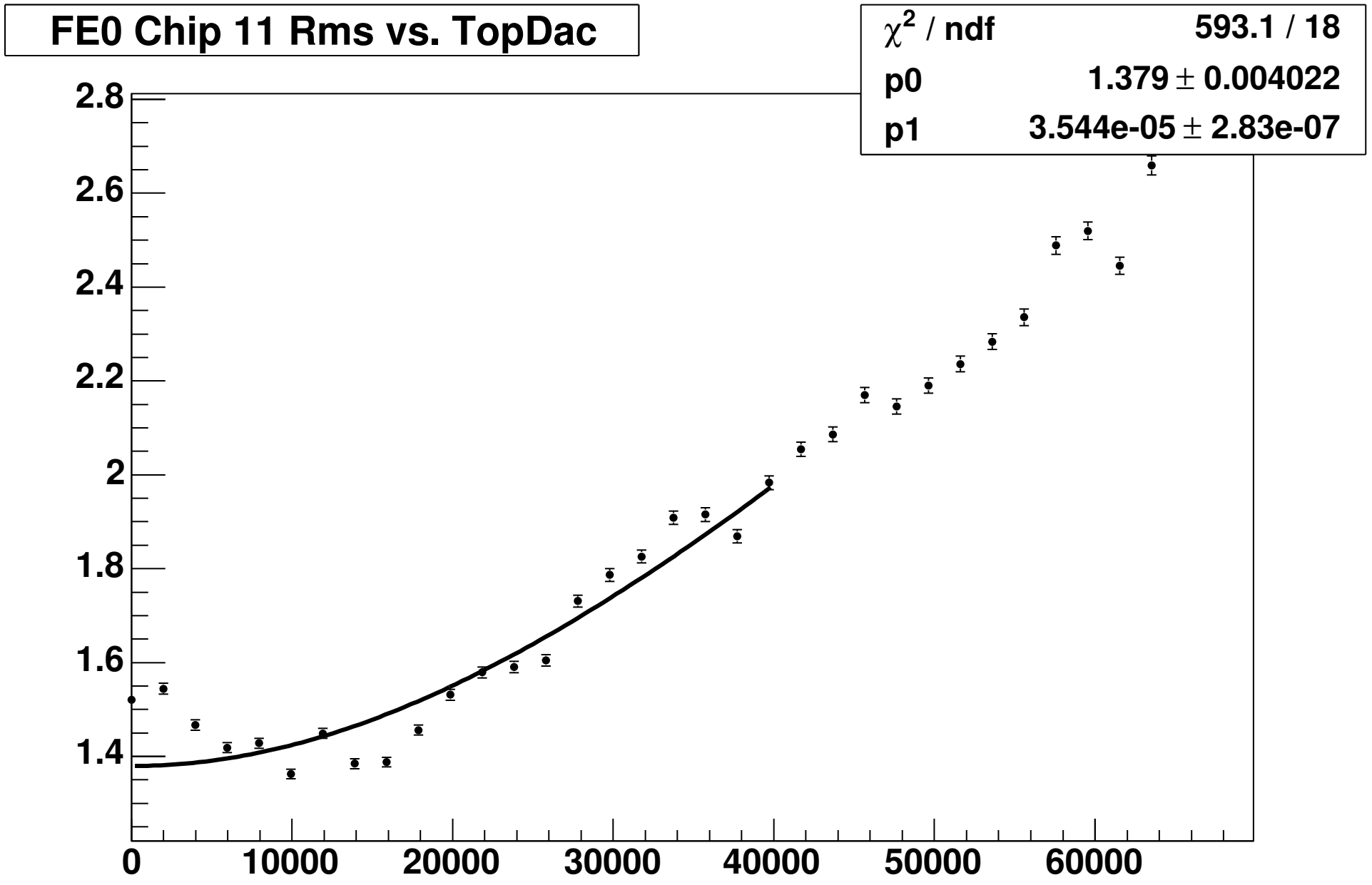
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

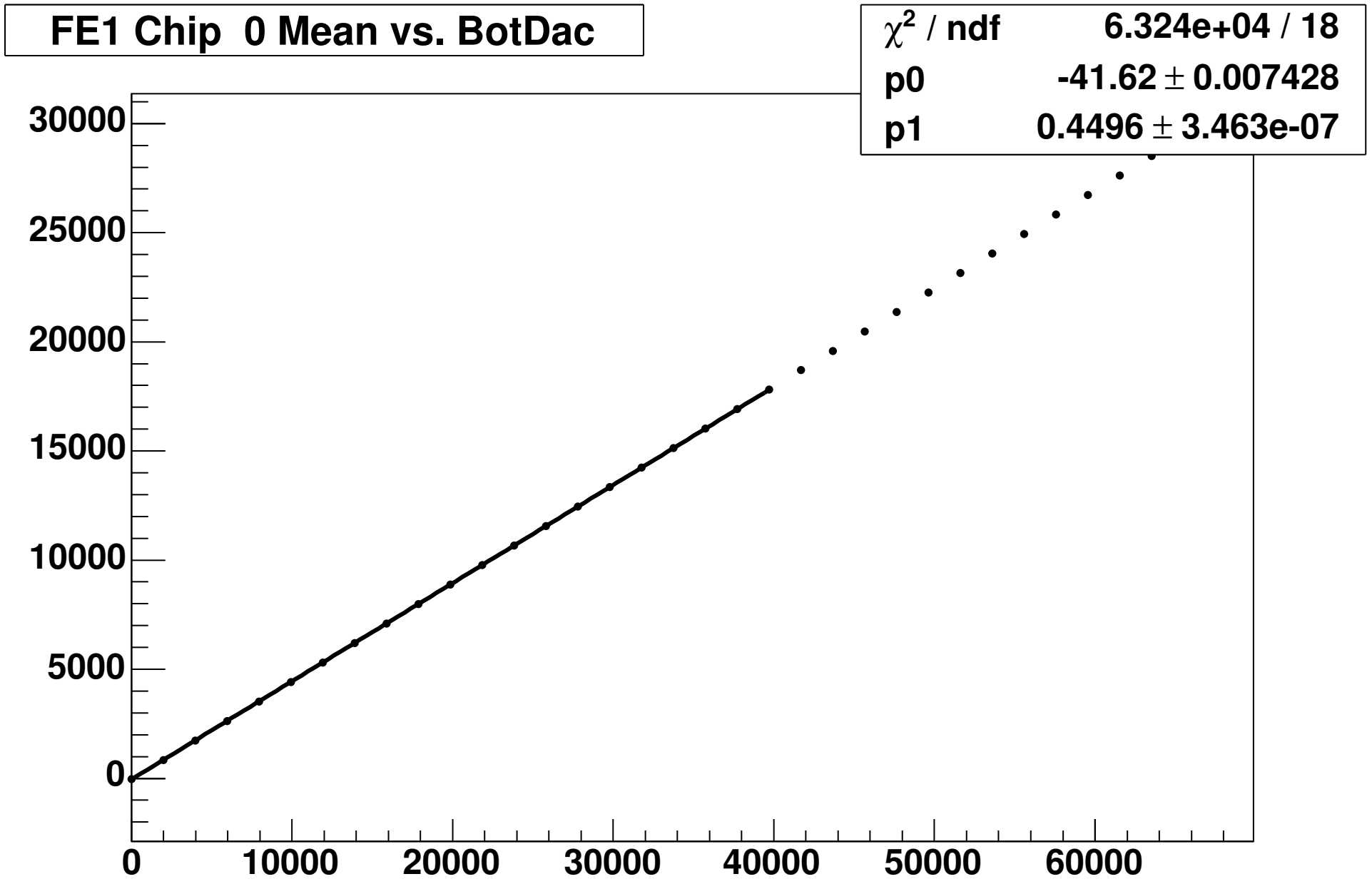

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 789.8 / 18
p0 1.329 ± 0.003933
p1 3.682e-05 ± 2.661e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

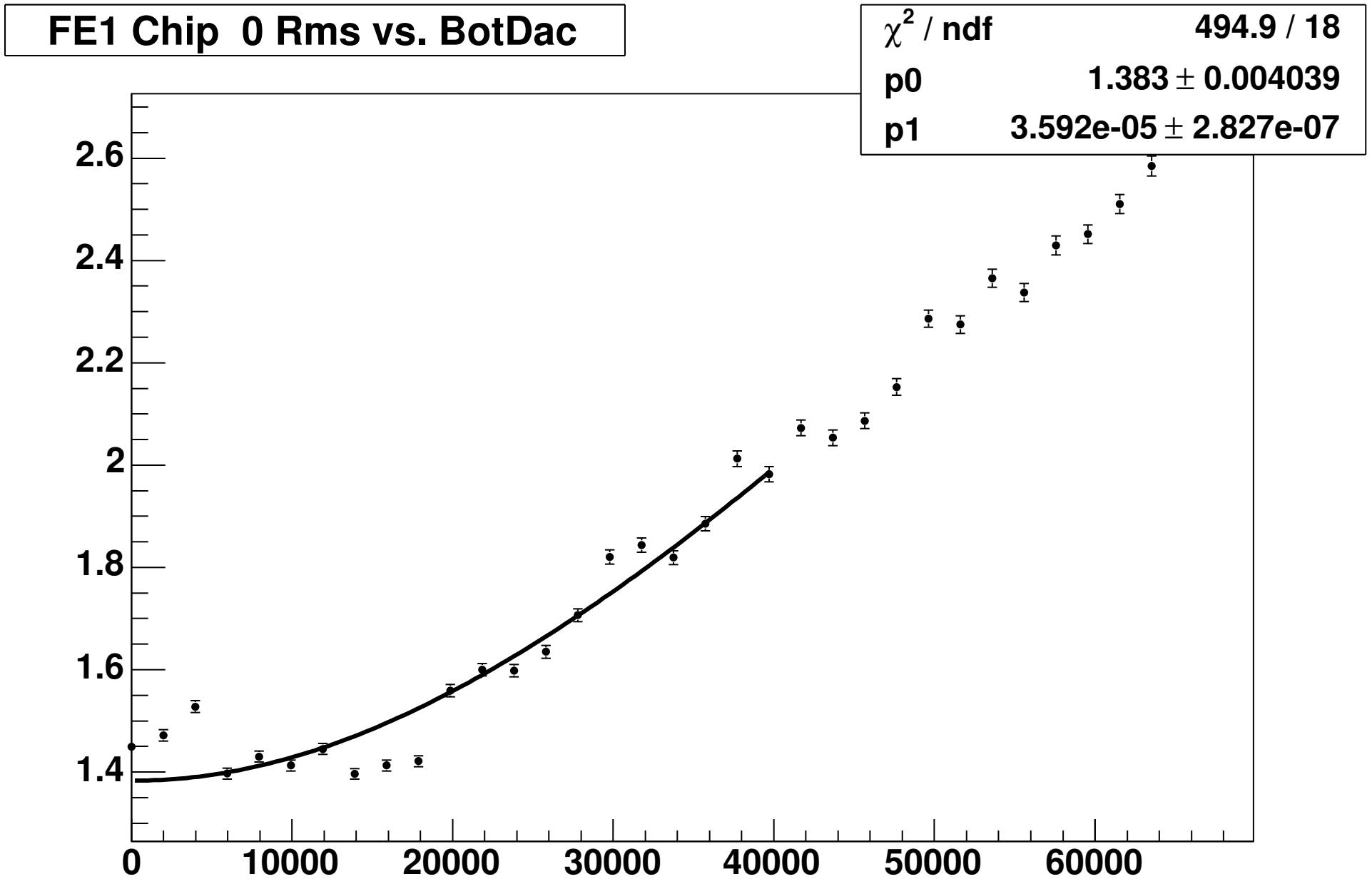

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 59.69 / 18
p0 14.27 ± 0.007449
p1 1.116e-06 ± 3.138e-07
14.38
14.36
14.34
14.32
14.3
14.28
14.26
14.24
14.22
14.2
14.18
0
10000
20000
30000
40000
50000
60000

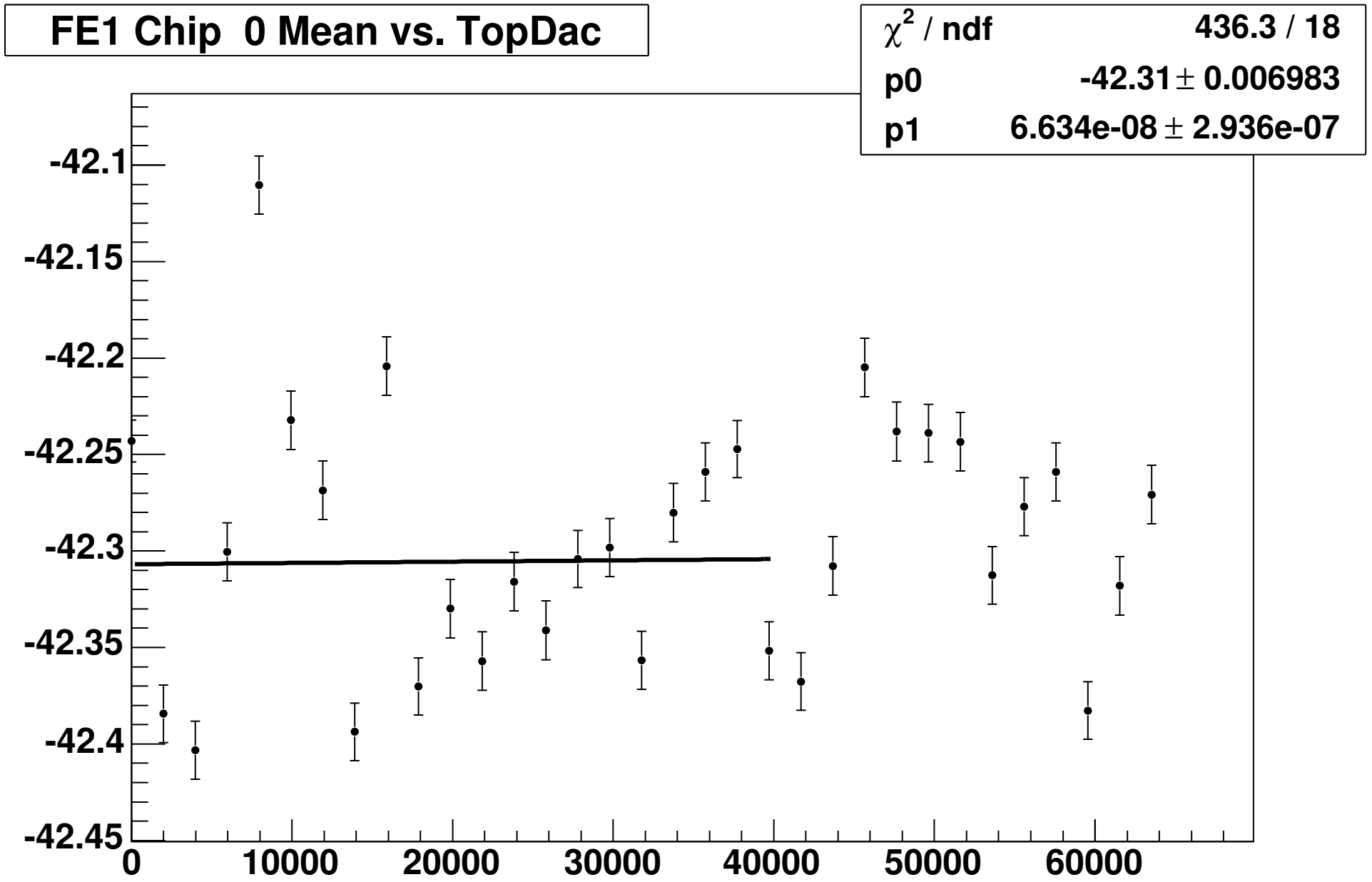

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 14.31 / 18
p0 1.508 ± 0.003856
p1 4.232e-06 ± 1.849e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

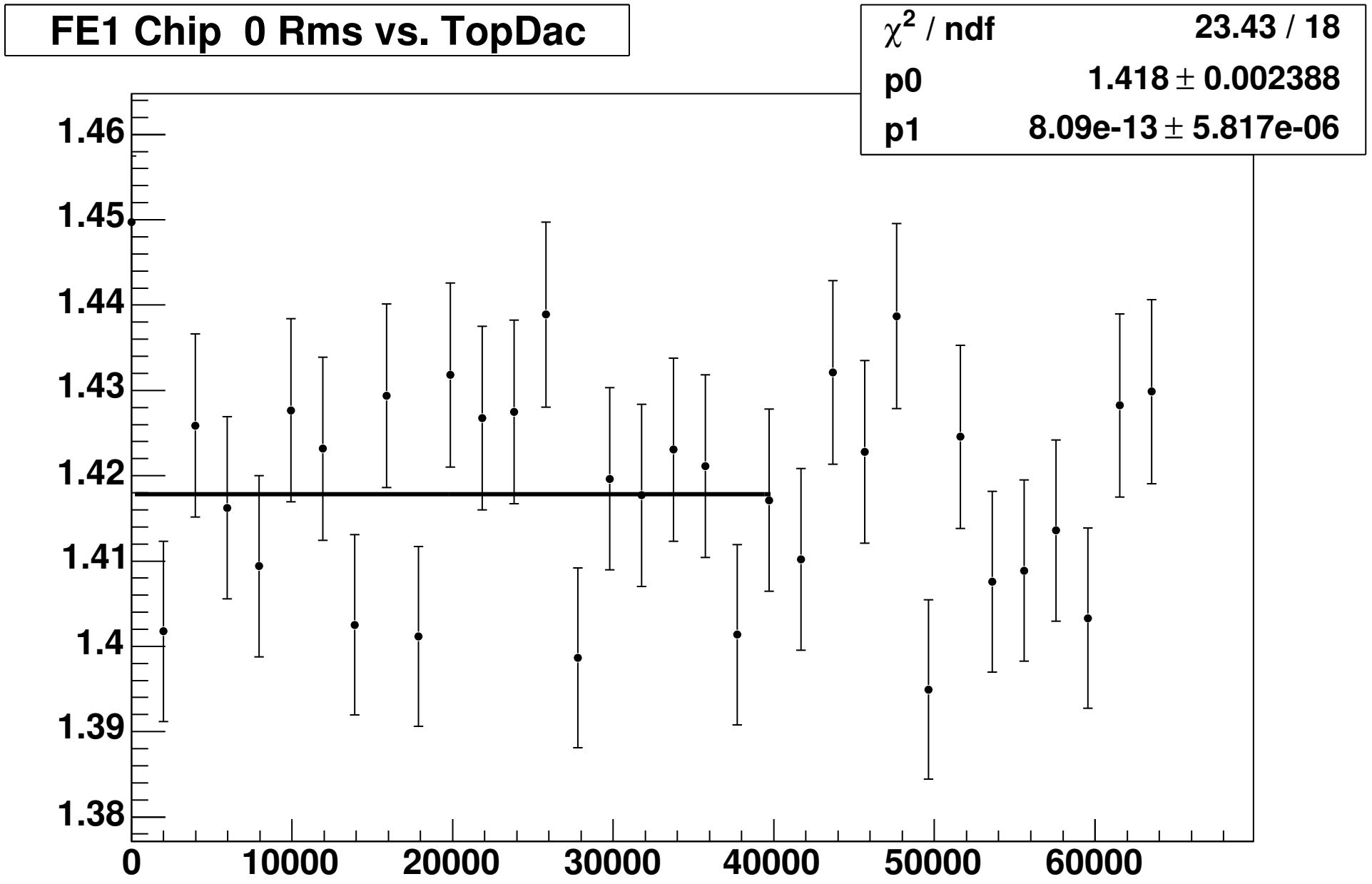

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 3.806e+04 / 18
p0 13.9 ± 0.007422
p1 0.4499 ± 3.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

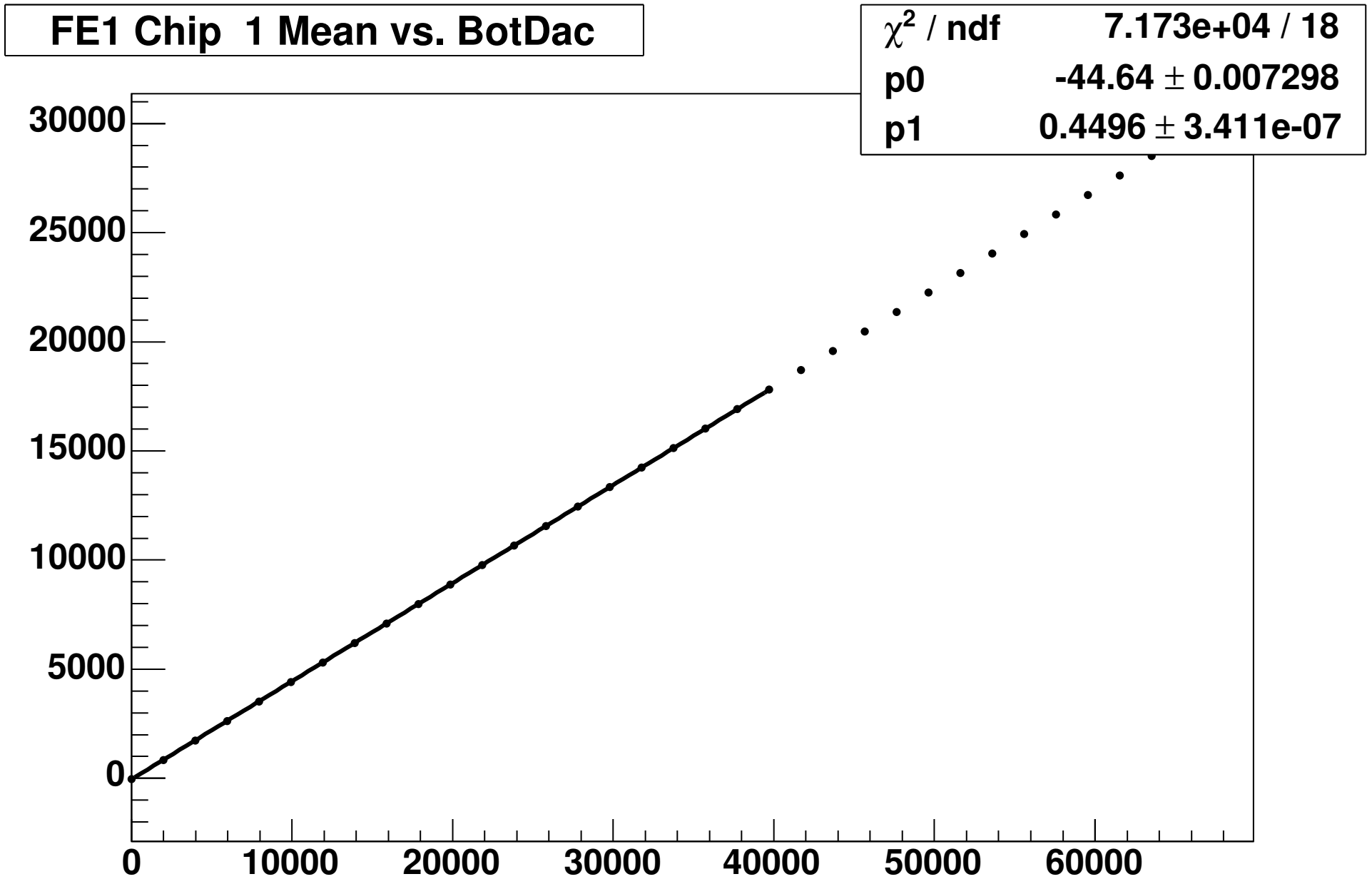

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 593.1 / 18
p0 1.379 ± 0.004022
p1 3.544e-05 ± 2.83e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

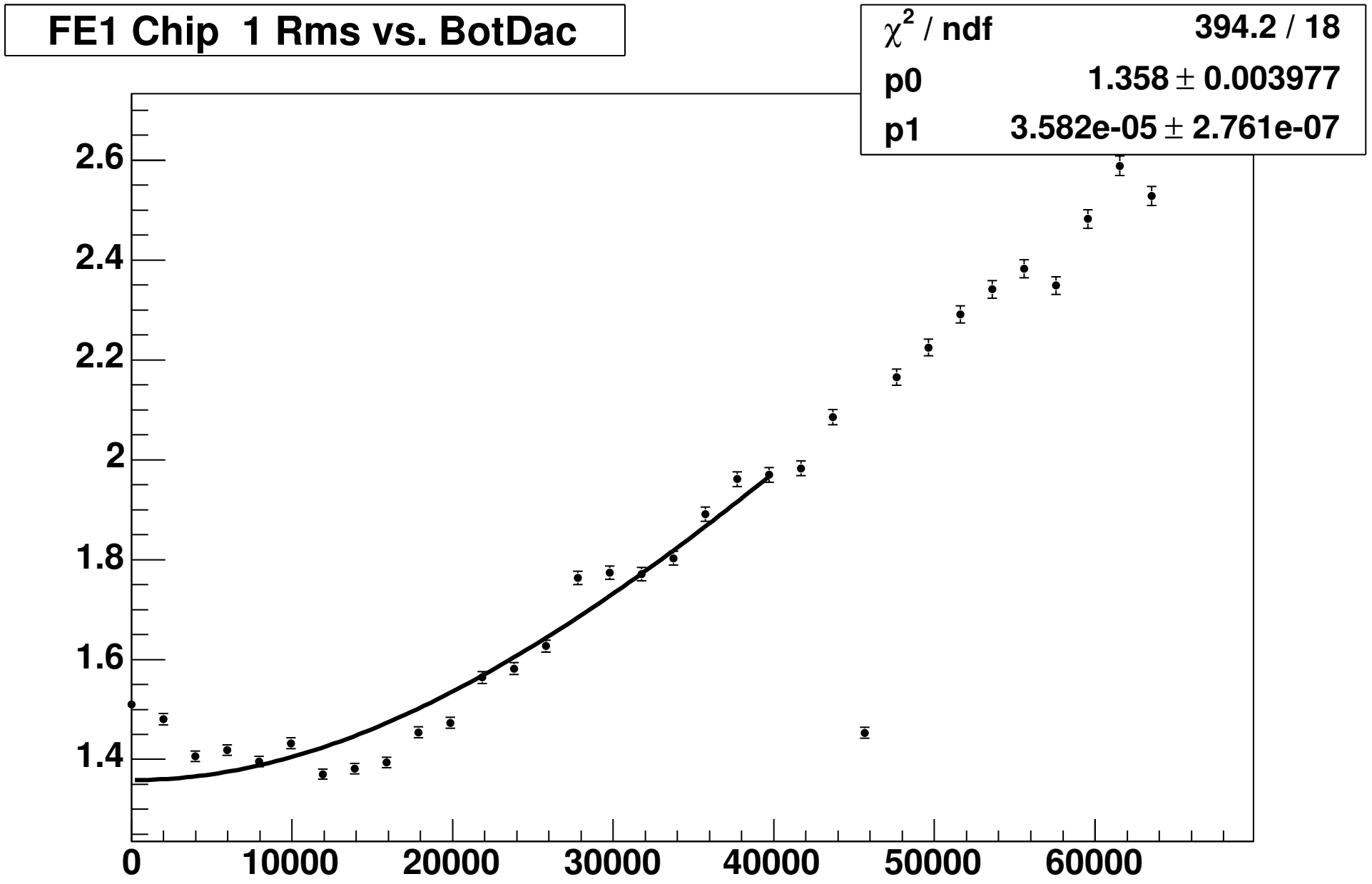

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 6.324e+04 / 18
p0 -41.62 ± 0.007428
p1 0.4496 ± 3.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

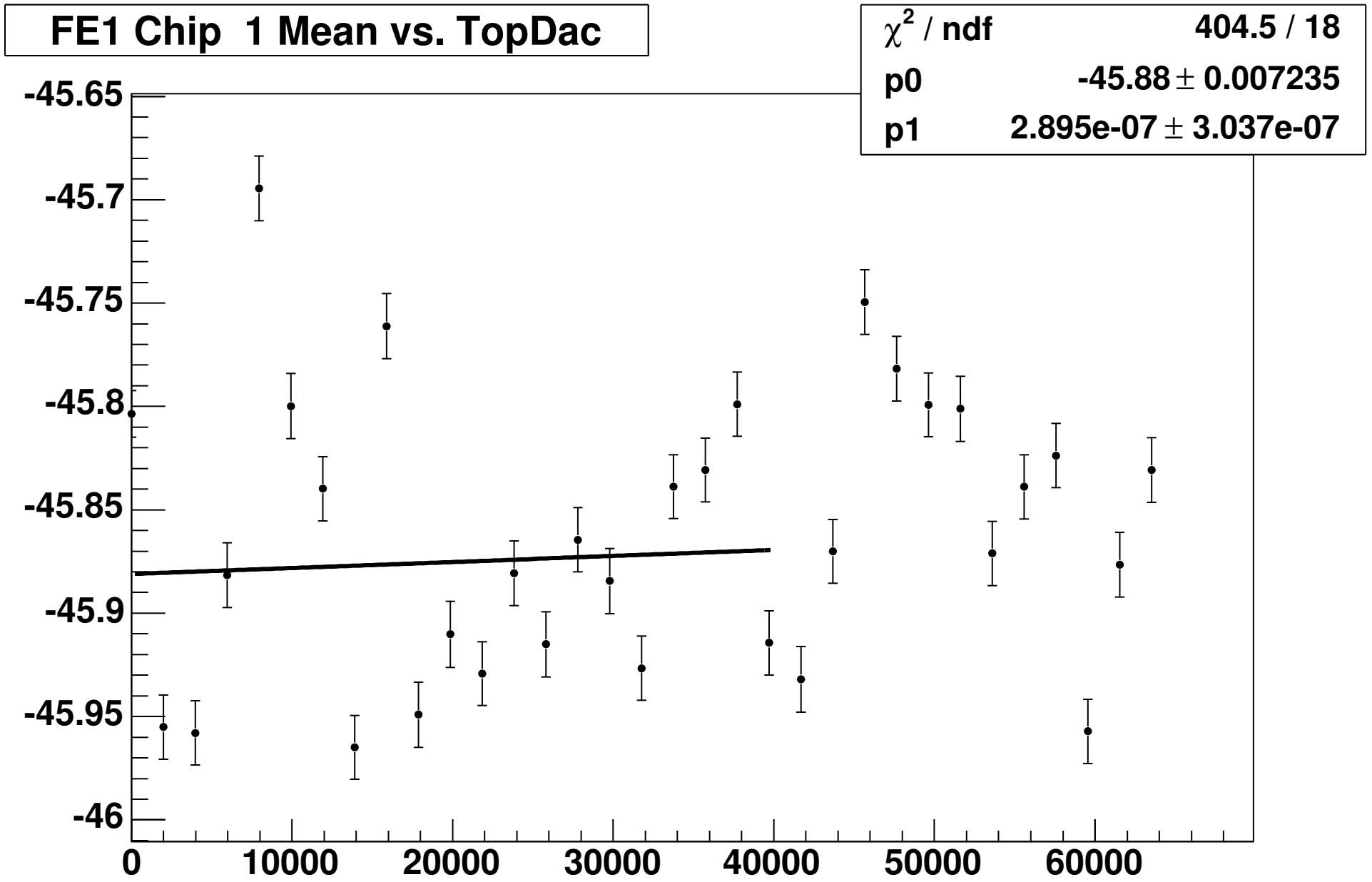

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 494.9 / 18
p0 1.383 ± 0.004039
p1 3.592e-05 ± 2.827e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

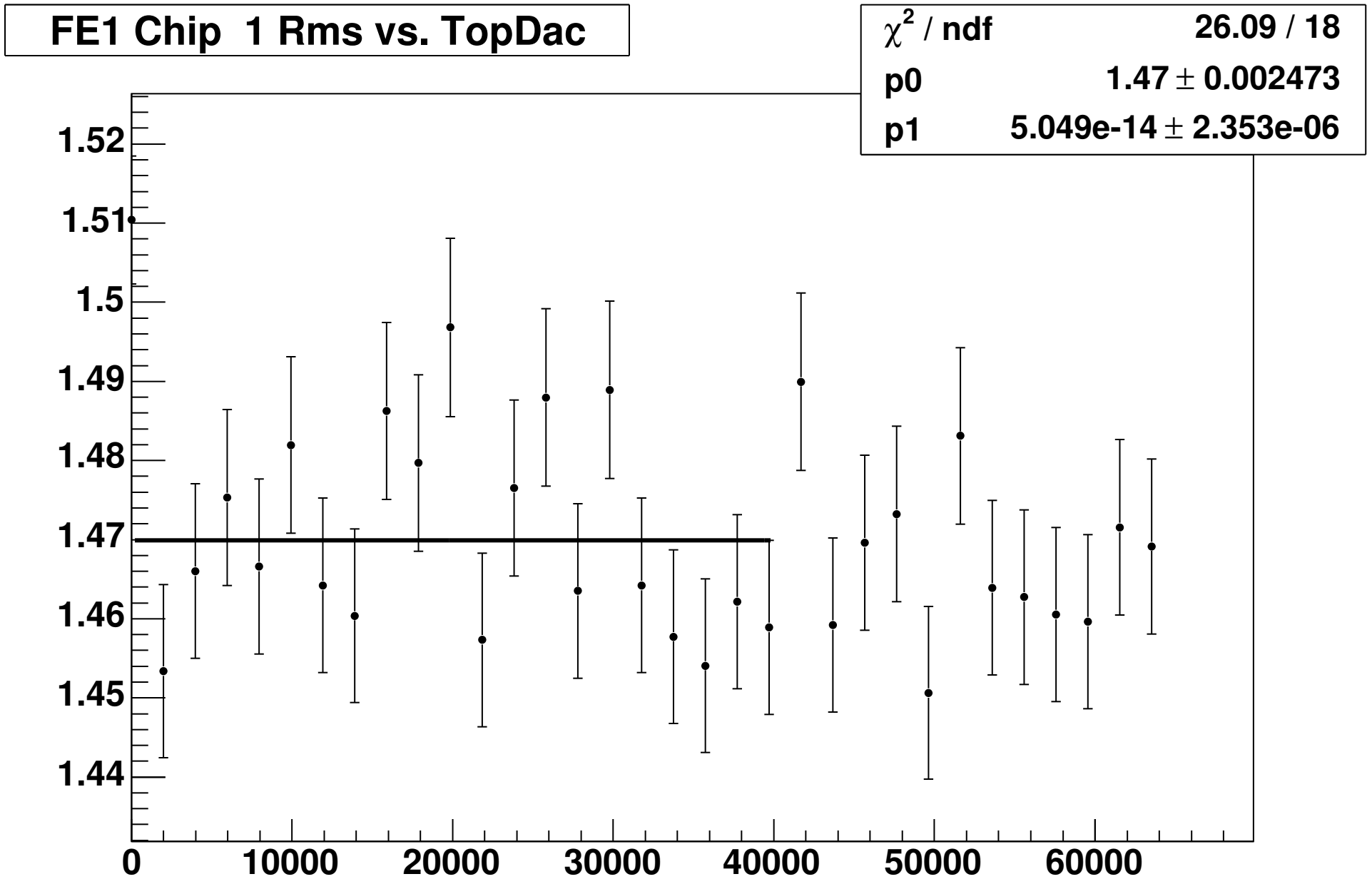

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 436.3 / 18
p0 -42.31 ± 0.006983
p1 6.634e-08 ± 2.936e-07
-42.1
-42.15
-42.2
-42.25
-42.3
-42.35
-42.4
-42.45
0
10000
20000
30000
40000
50000
60000

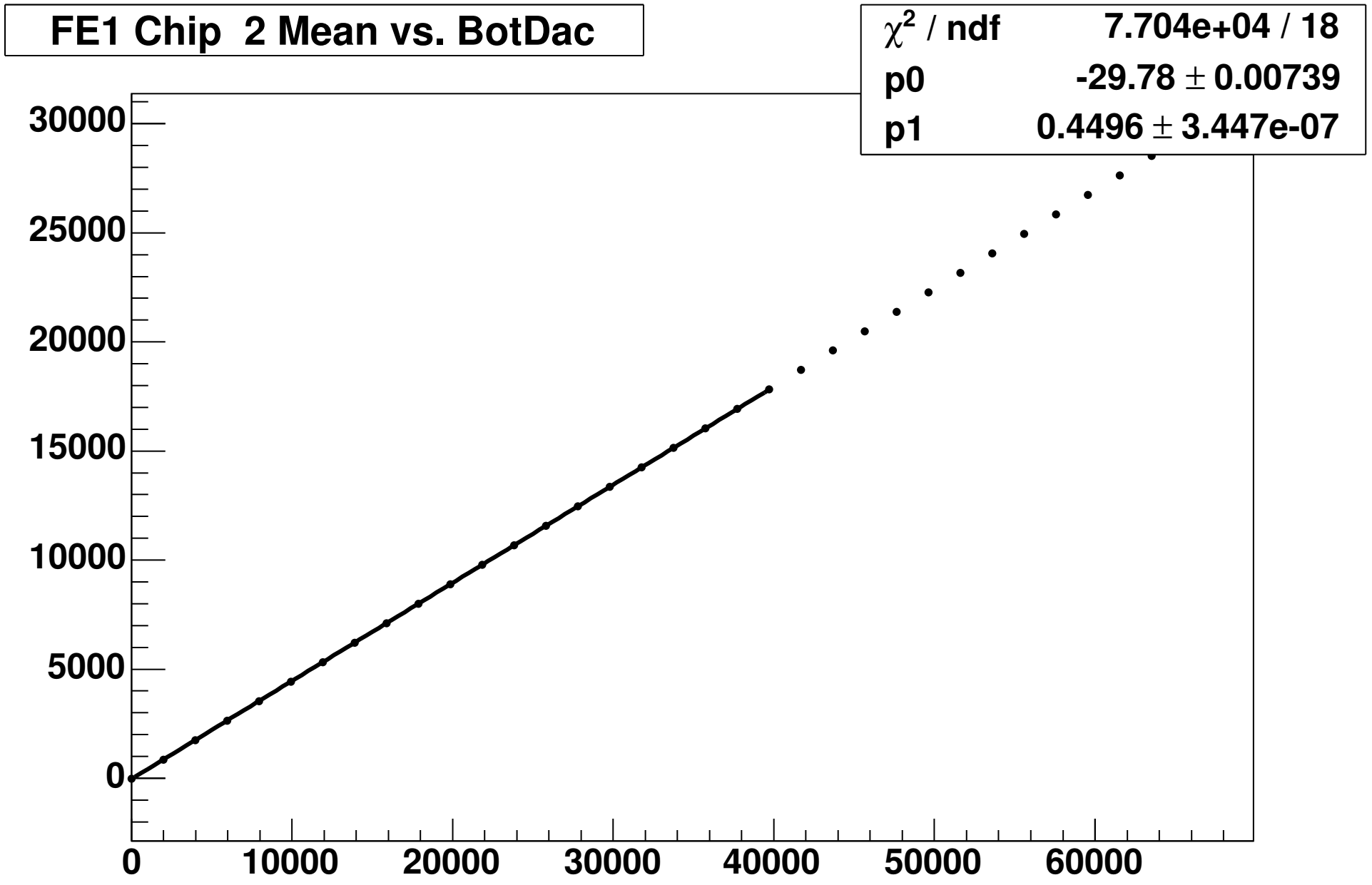

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 23.43 / 18
p0 1.418 ± 0.002388
p1 8.09e-13 ± 5.817e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

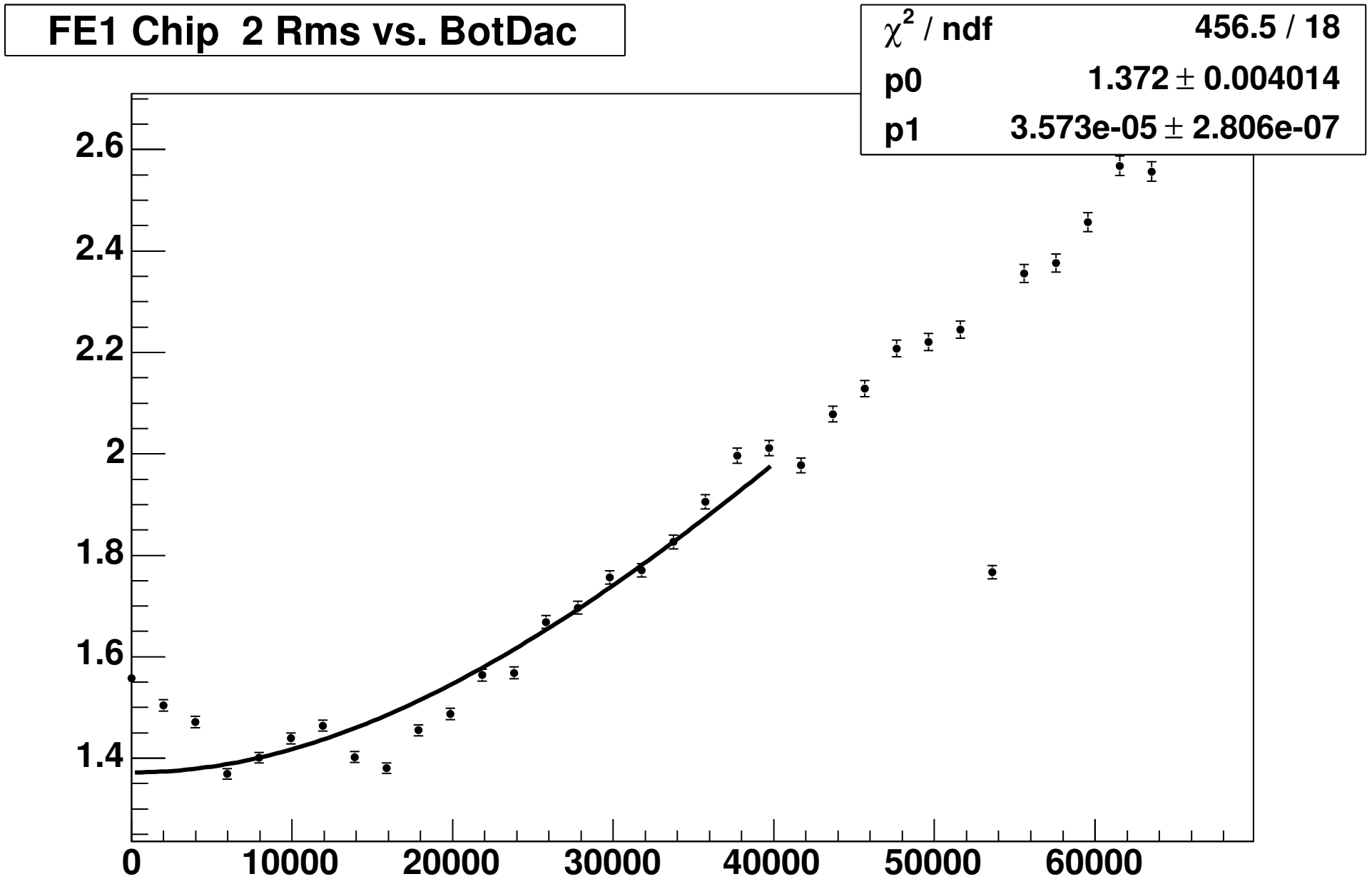

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 7.173e+04 / 18
p0 -44.64 ± 0.007298
p1 0.4496 ± 3.411e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

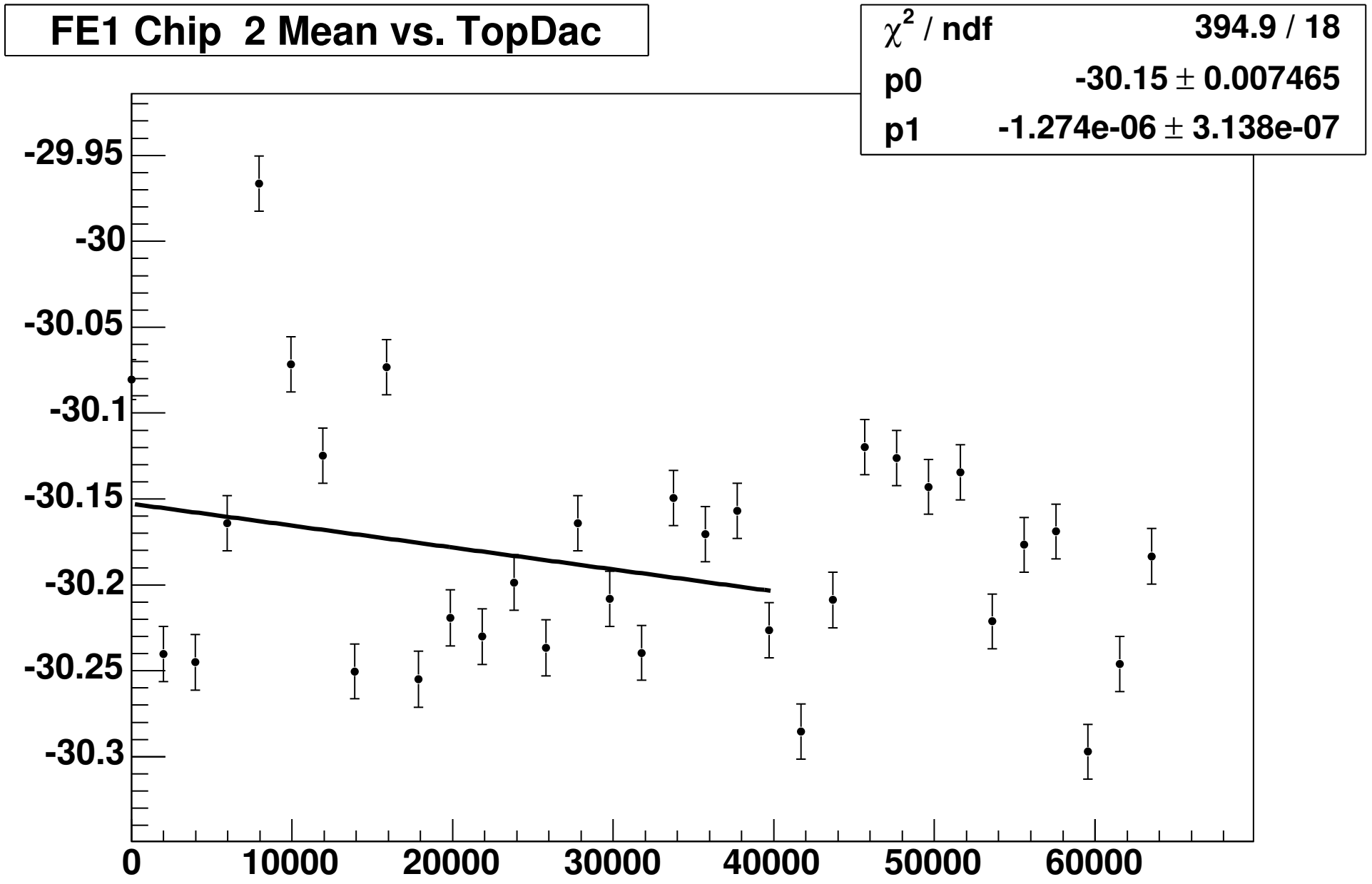

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 394.2 / 18
p0 1.358 ± 0.003977
p1 3.582e-05 ± 2.761e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

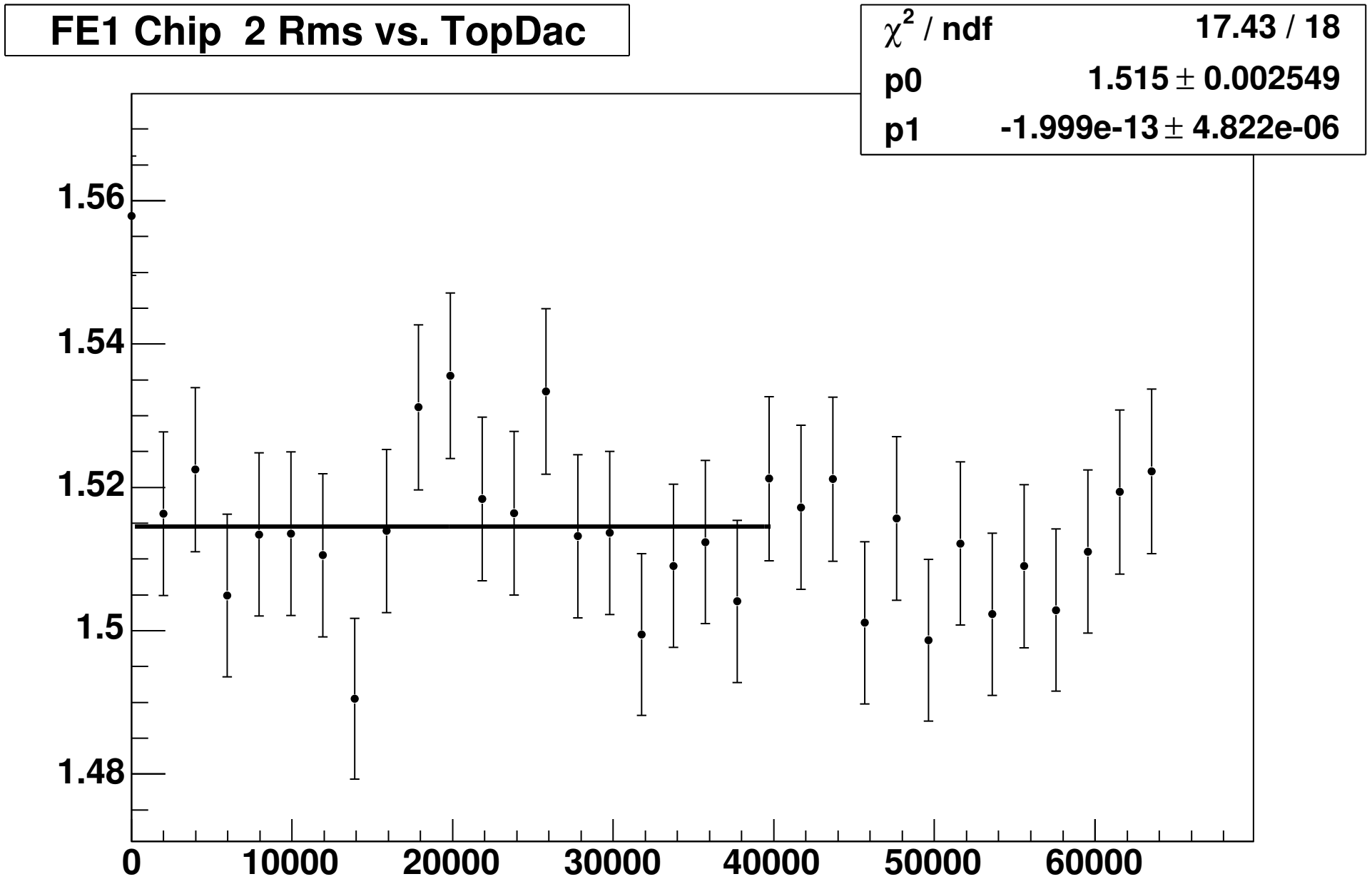

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 404.5 / 18
p0 -45.88 ± 0.007235
p1 2.895e-07 ± 3.037e-07
-45.65
-45.7
-45.75
-45.8
-45.85
-45.9
-45.95
-46
0
10000
20000
30000
40000
50000
60000

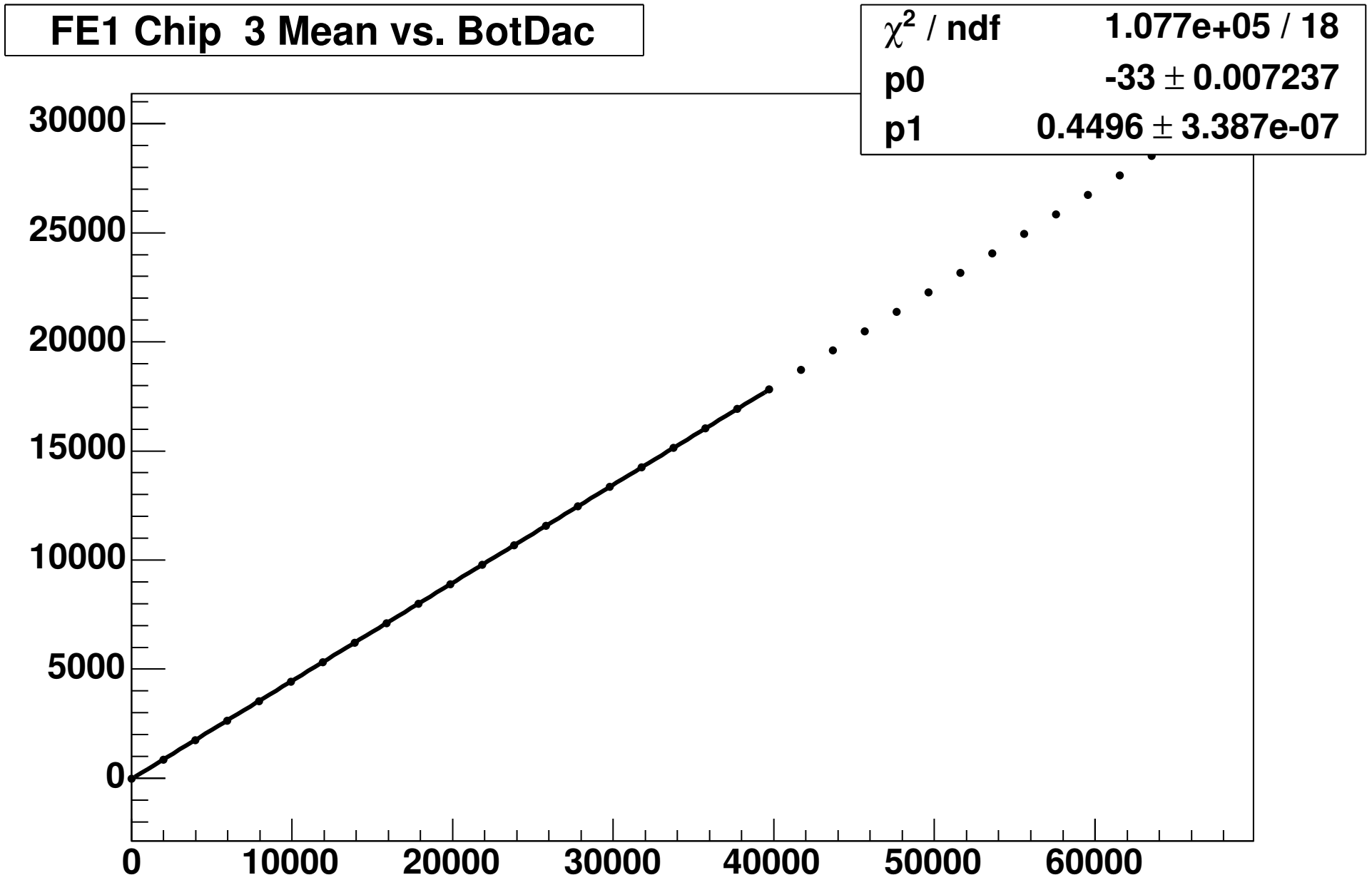

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 26.09 / 18
p0 1.47 ± 0.002473
p1 5.049e-14 ± 2.353e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

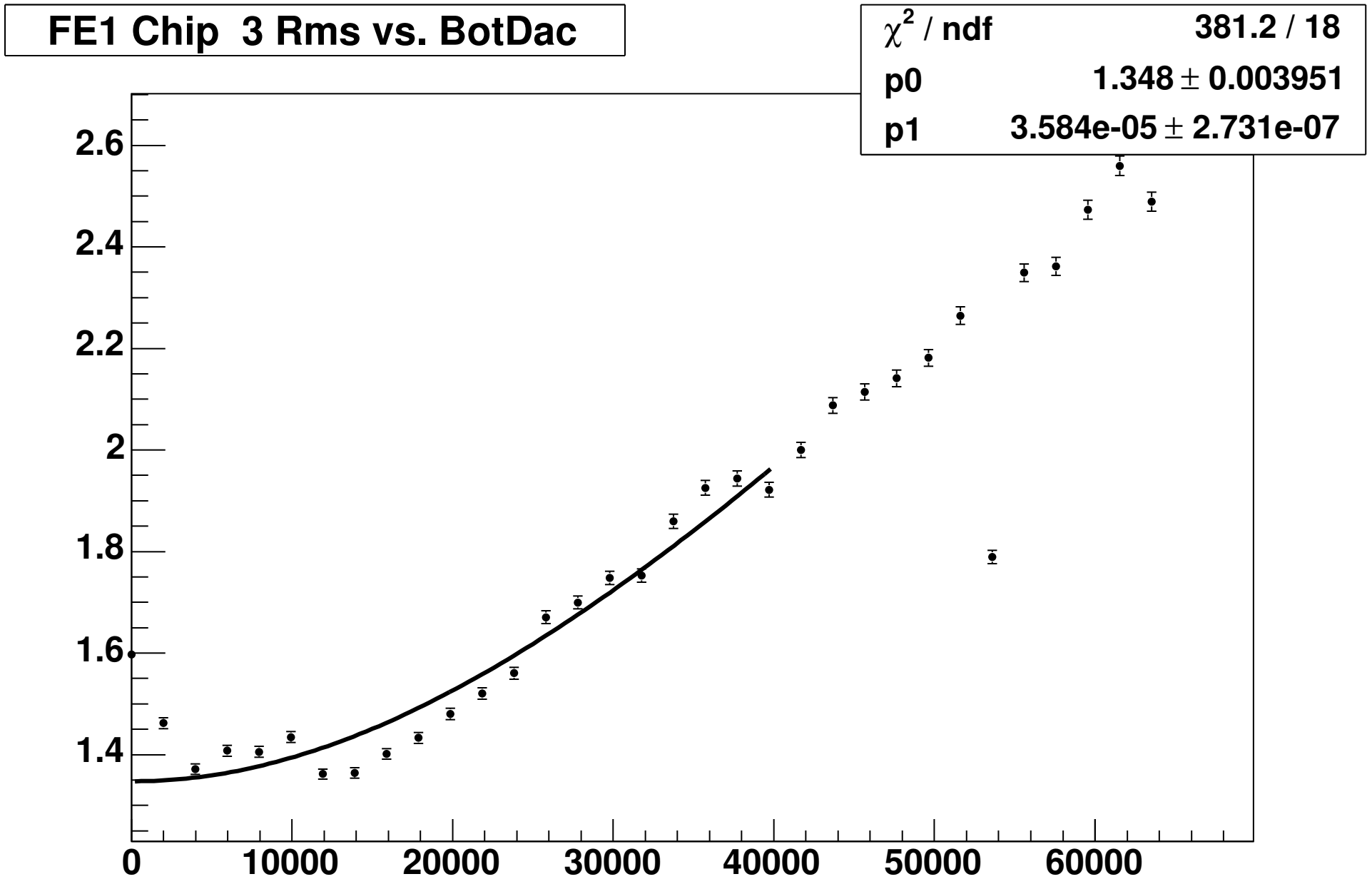

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 7.704e+04 / 18
p0 -29.78 ± 0.00739
p1 0.4496 ± 3.447e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

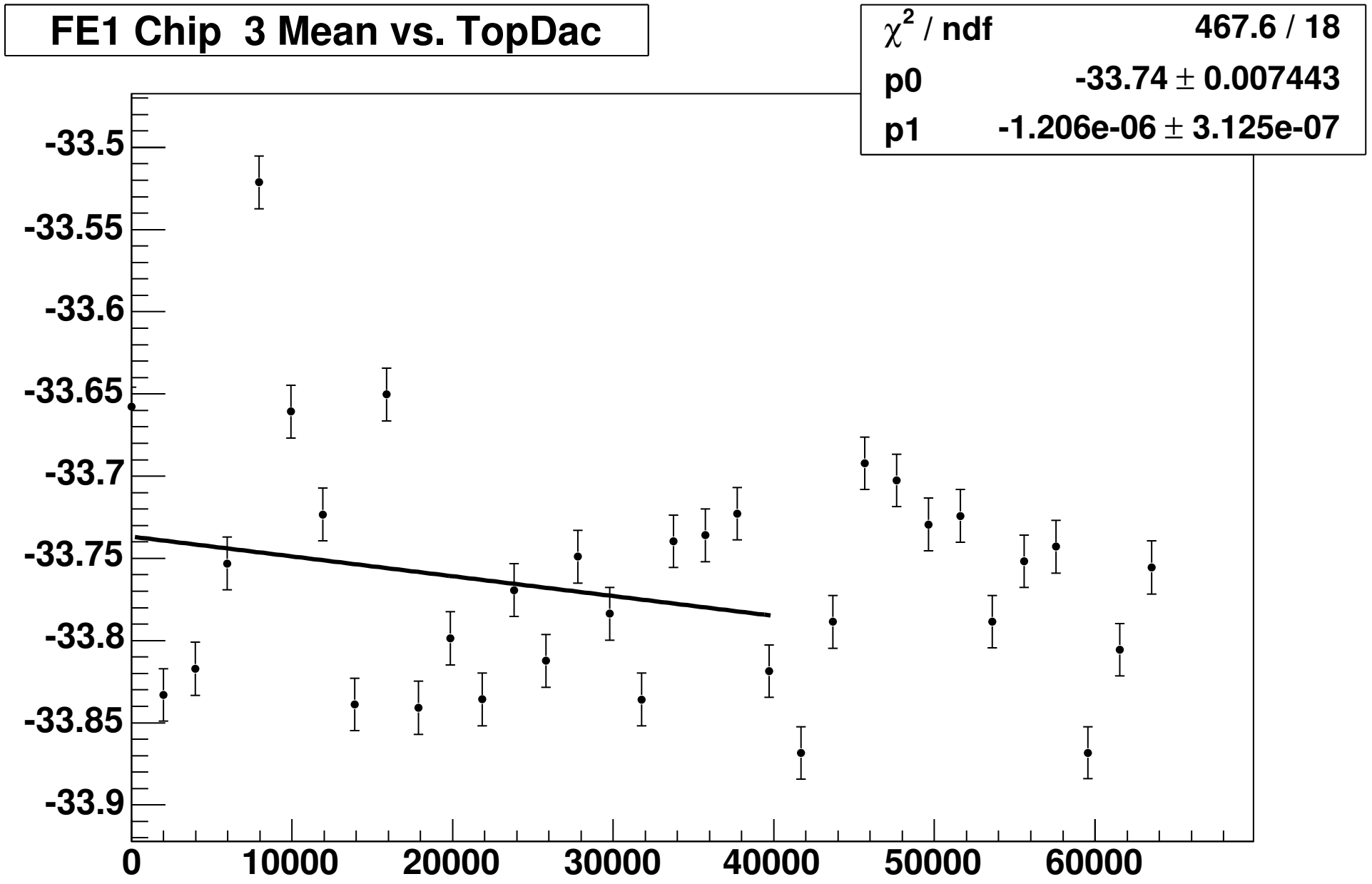

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 456.5 / 18
p0 1.372 ± 0.004014
p1 3.573e-05 ± 2.806e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

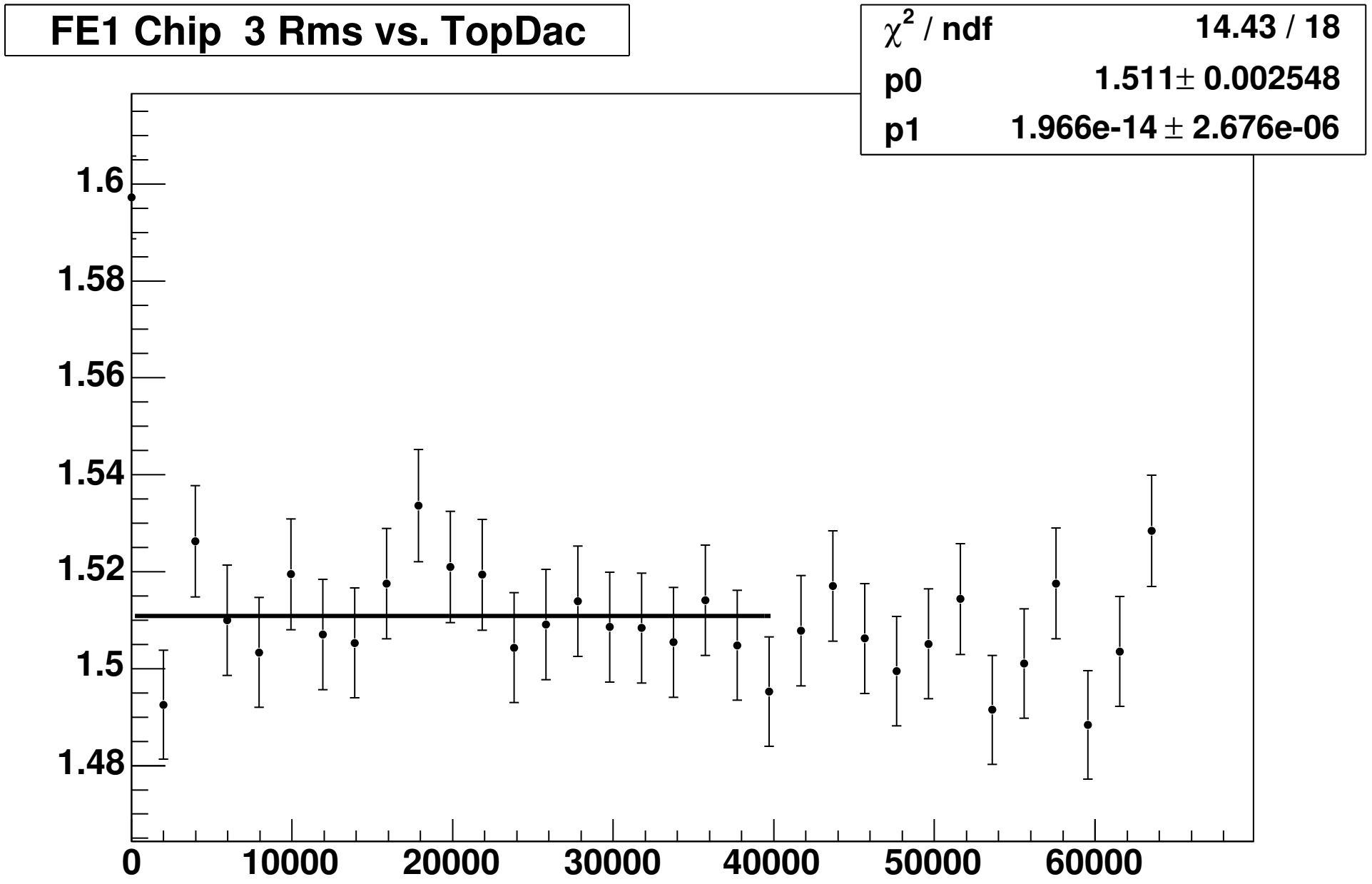

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 394.9 / 18
p0 -30.15 ± 0.007465
p1 -1.274e-06 ± 3.138e-07
-29.95
-30
-30.05
-30.1
-30.15
-30.2
-30.25
-30.3
0
10000
20000
30000
40000
50000
60000

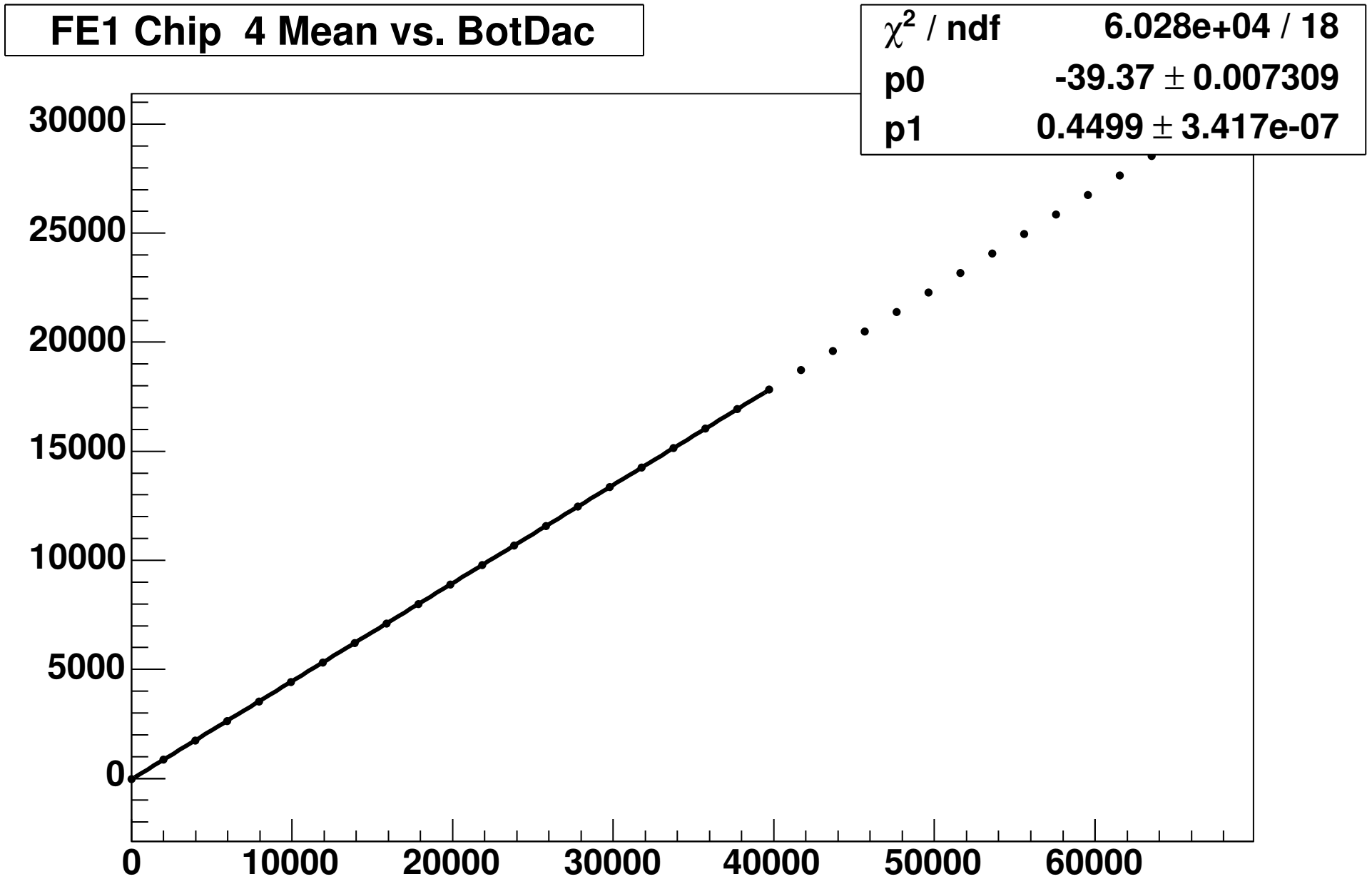

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 17.43 / 18
p0 1.515 ± 0.002549
p1 -1.999e-13 ± 4.822e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 1.077e+05 / 18
p0 -33 ± 0.007237
p1 0.4496 ± 3.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 381.2 / 18
p0 1.348 ± 0.003951
p1 3.584e-05 ± 2.731e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 467.6 / 18
p0 -33.74 ± 0.007443
p1 -1.206e-06 ± 3.125e-07
-33.5
-33.55
-33.6
-33.65
-33.7
-33.75
-33.8
-33.85
-33.9
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 14.43 / 18
p0 1.511 ± 0.002548
p1 1.966e-14 ± 2.676e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 6.028e+04 / 18
p0 -39.37 ± 0.007309
p1 0.4499 ± 3.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
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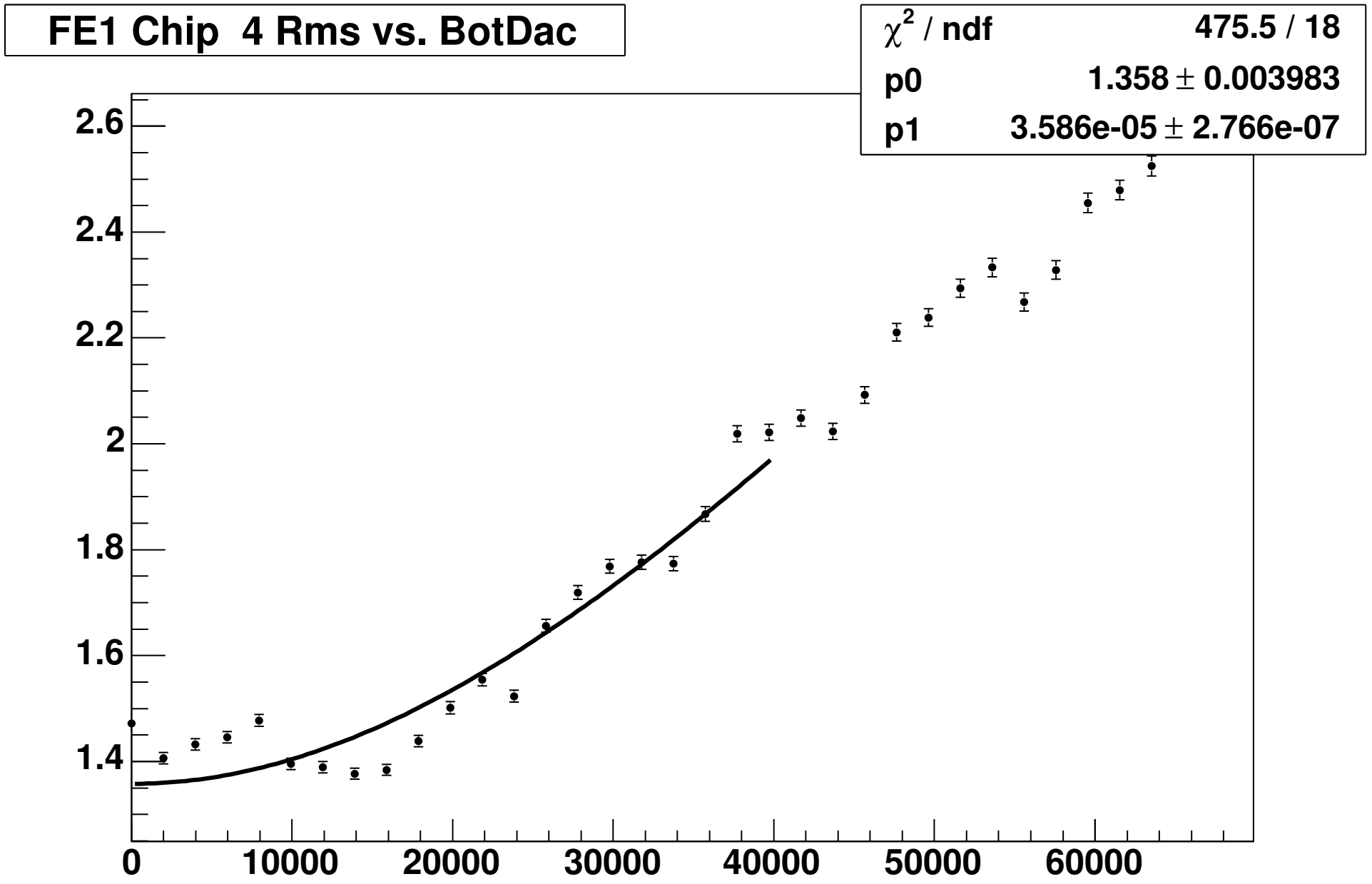
FE1 Chip 4 Rms vs. BotDac
χ² / ndf 475.5 / 18
p0 1.358 ± 0.003983
p1 3.586e-05 ± 2.766e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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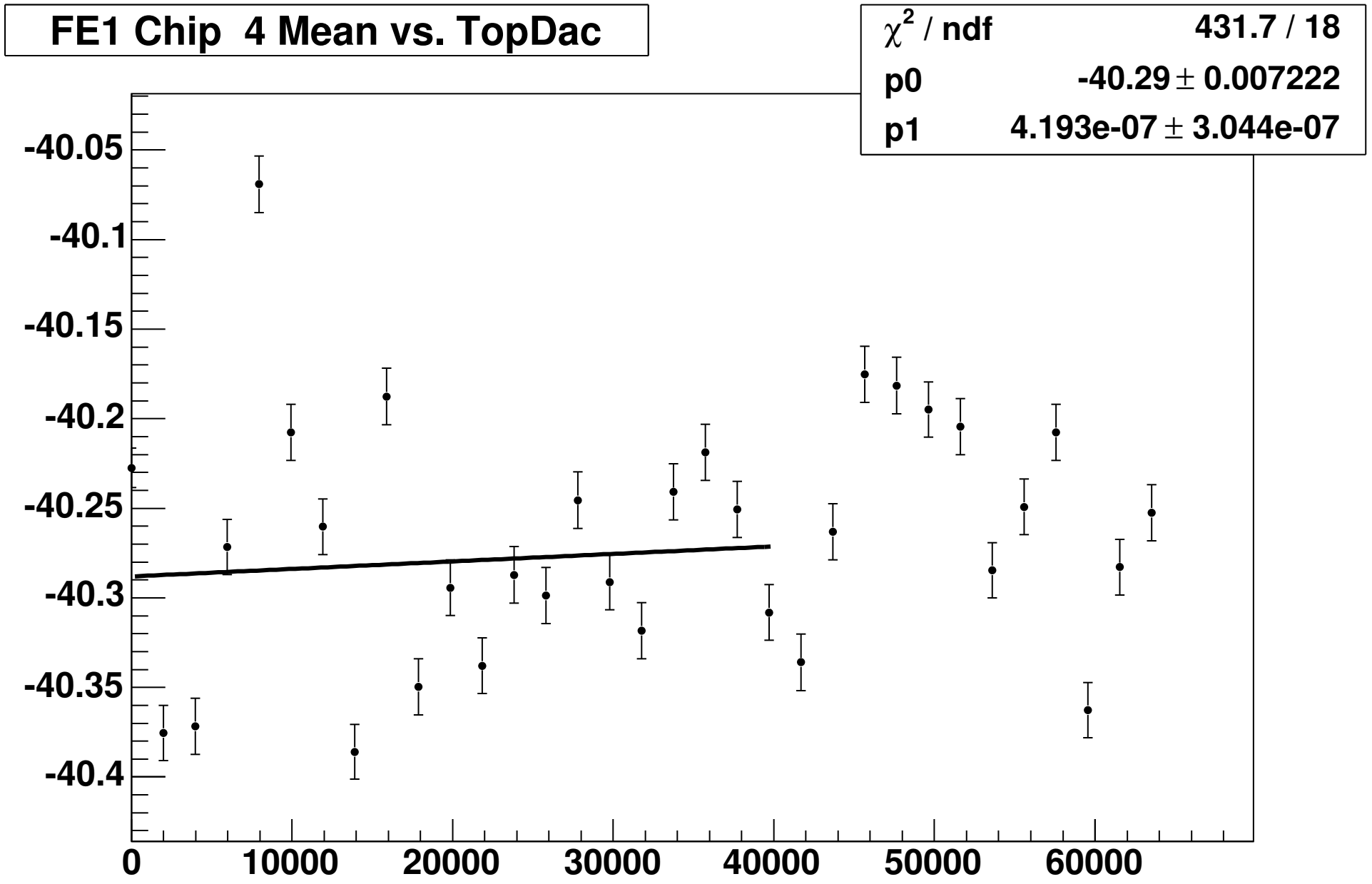
FE1 Chip 4 Mean vs. TopDac
χ^2 / ndf 431.7 / 18
p0 -40.29 ± 0.007222
p1 4.193e-07 ± 3.044e-07
-40.05
-40.1
-40.15
-40.2
-40.25
-40.3
-40.35
-40.4
0
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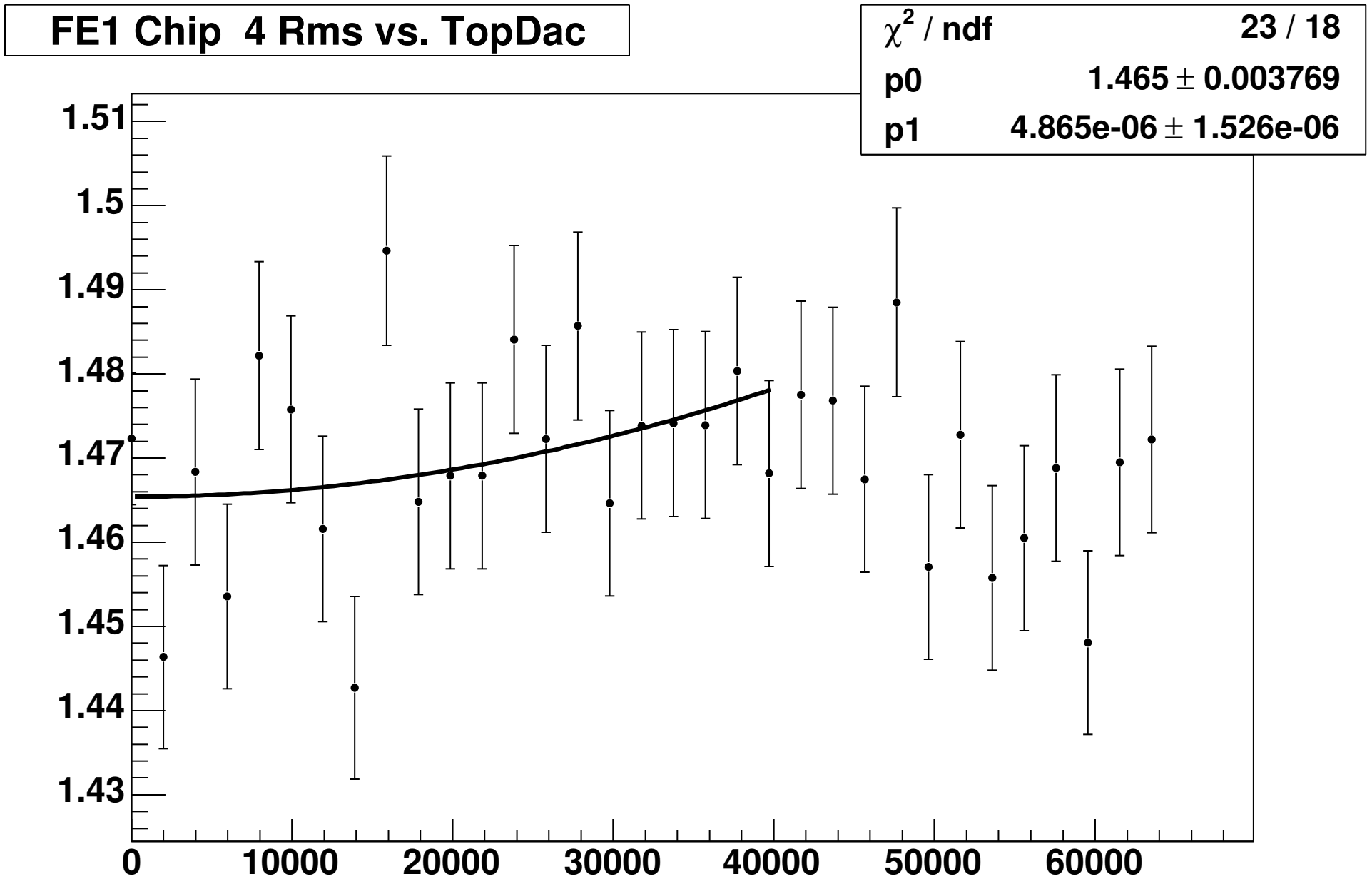
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 23 / 18
p0 1.465 ± 0.003769
p1 4.865e-06 ± 1.526e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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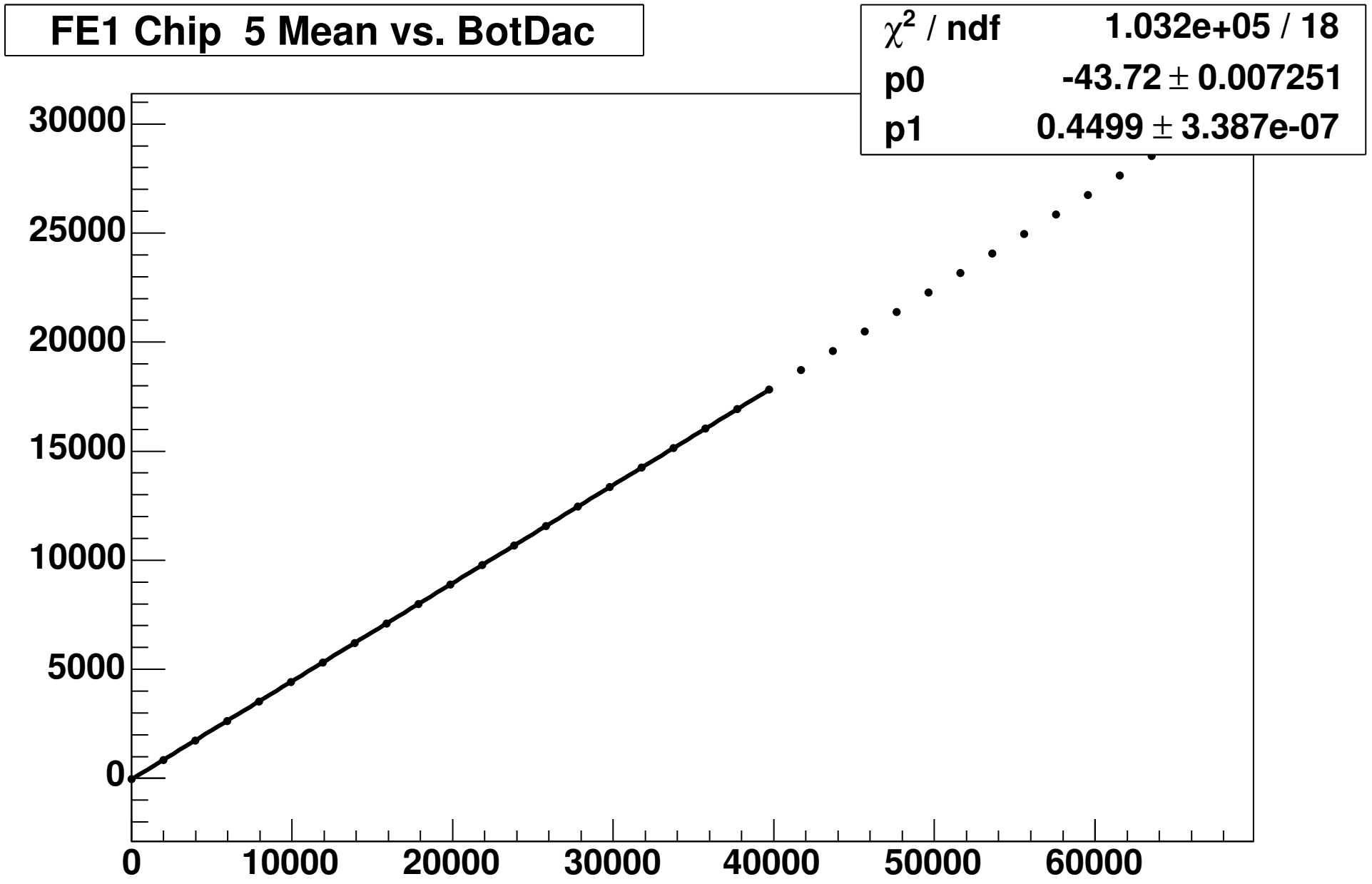
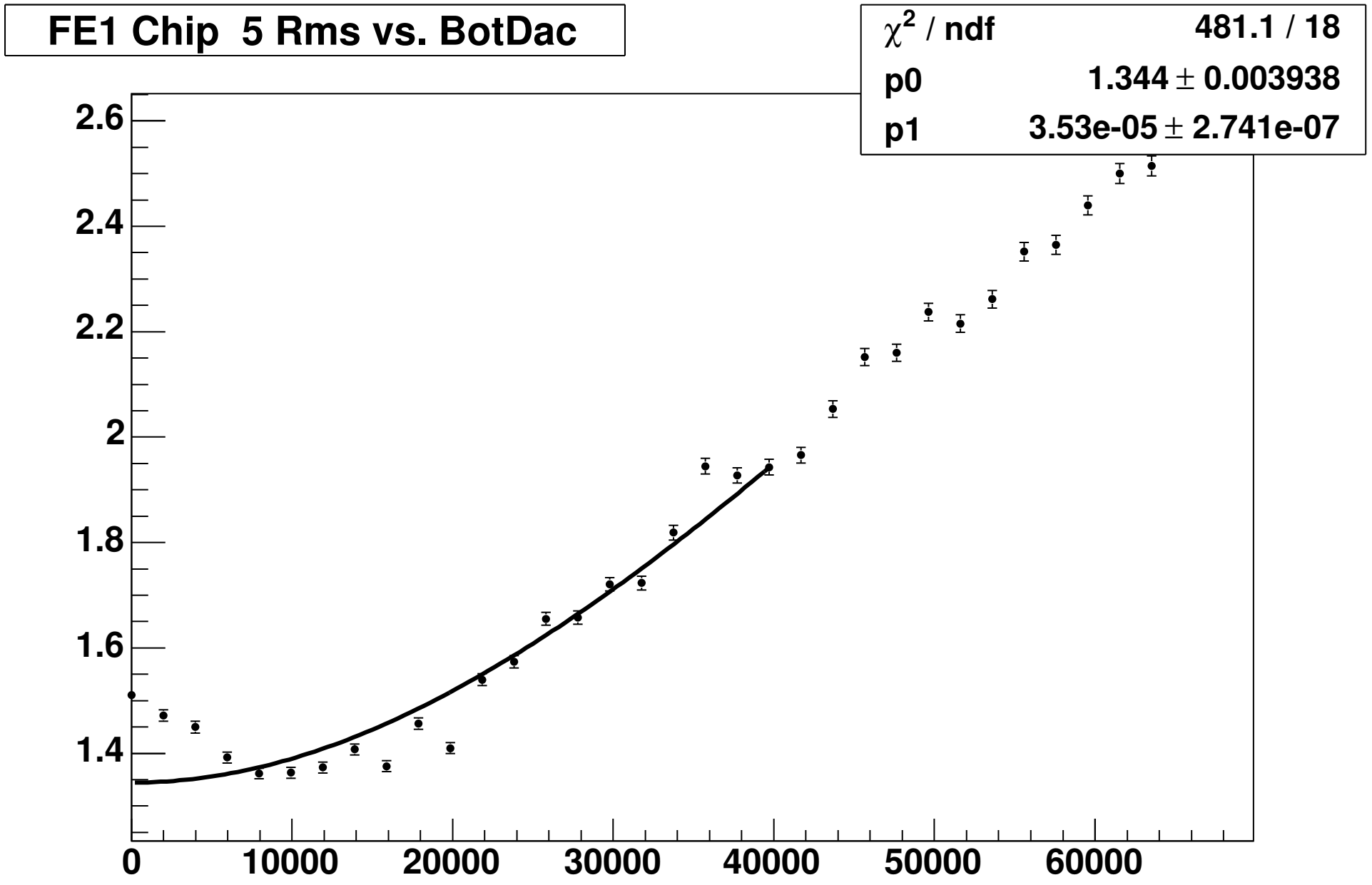

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.032e+05 / 18
p0 -43.72 ± 0.007251
p1 0.4499 ± 3.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 481.1 / 18
p0 1.344 ± 0.003938
p1 3.53e-05 ± 2.741e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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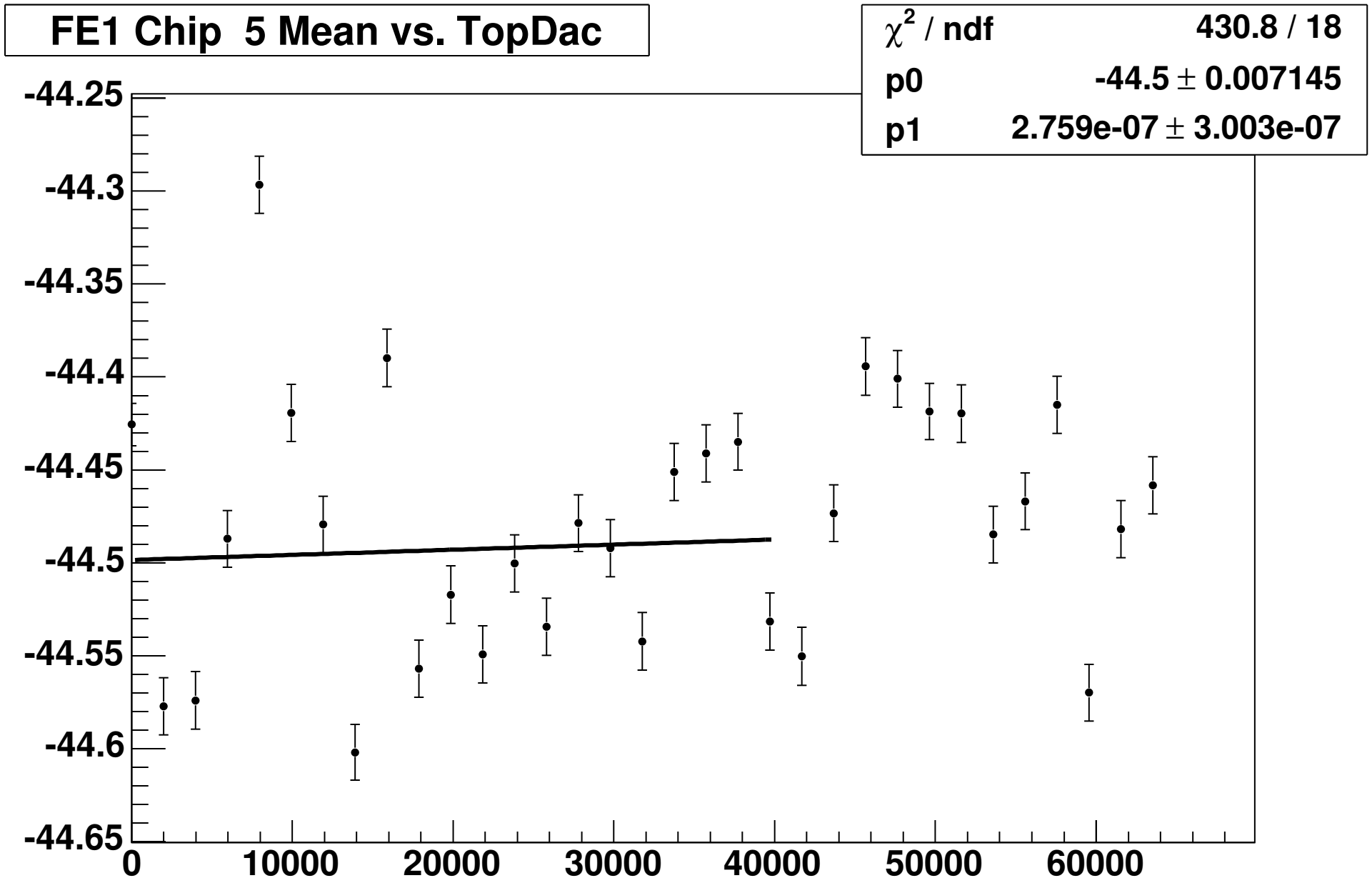
30000
40000
50000
60000


FE1 Chip 5 Mean vs. TopDac
χ^2 / ndf 430.8 / 18
p0 -44.5 ± 0.007145
p1 2.759e-07 ± 3.003e-07
-44.25
-44.3
-44.35
-44.4
-44.45
-44.5
-44.55
-44.6
-44.65
0
10000
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40000
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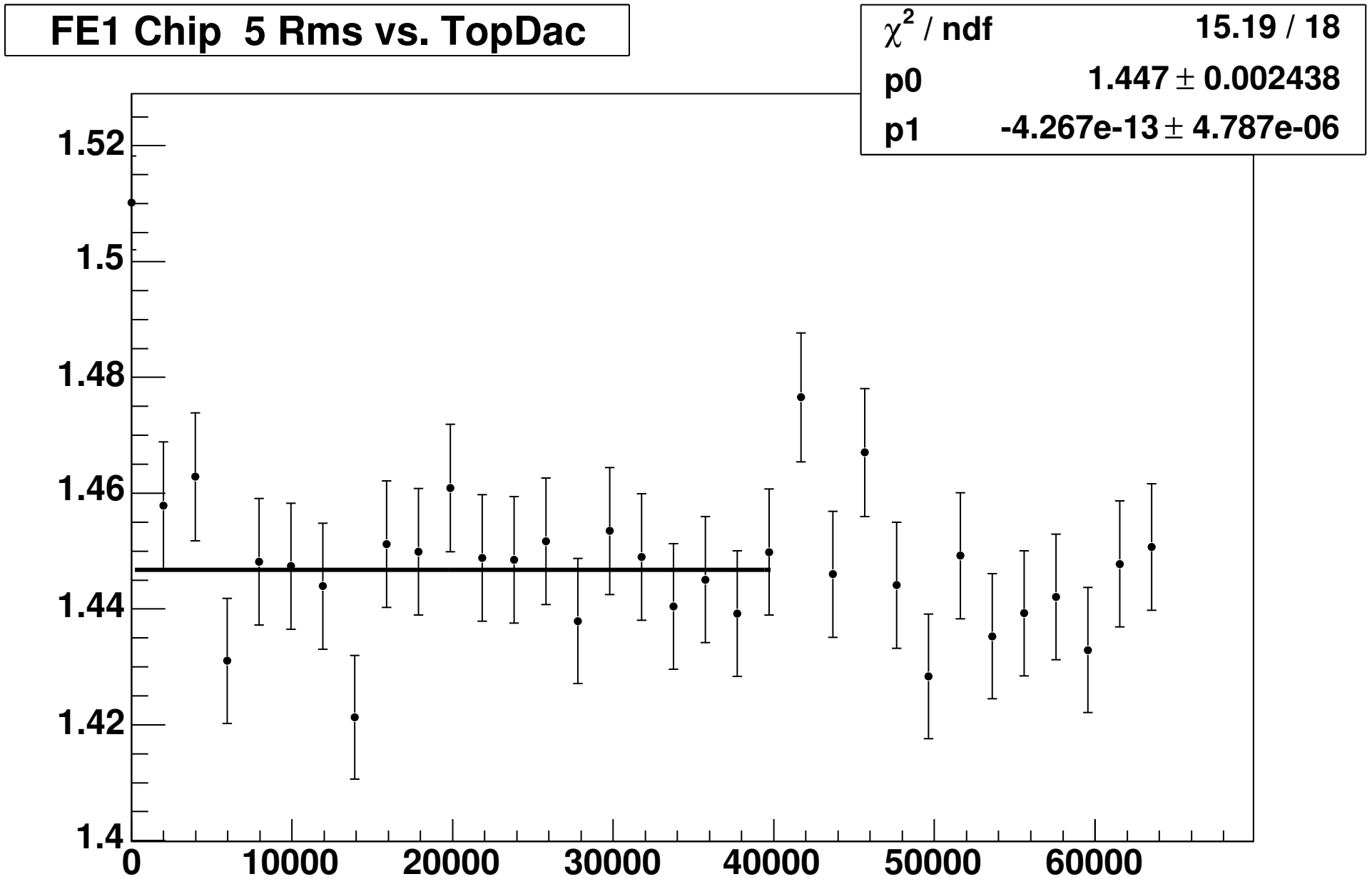
60000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 15.19 / 18
p0 1.447 ± 0.002438
p1 -4.267e-13 ± 4.787e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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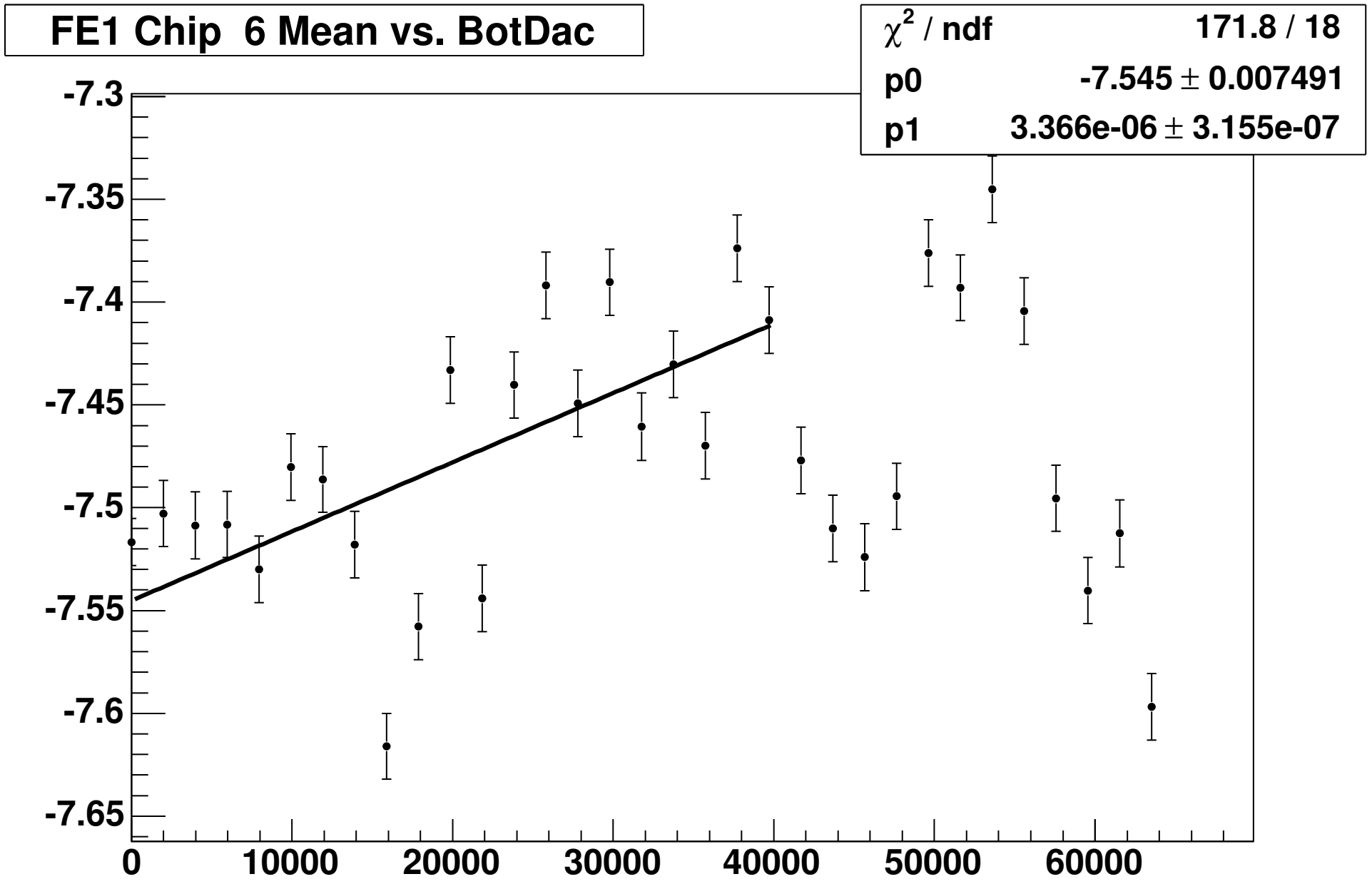
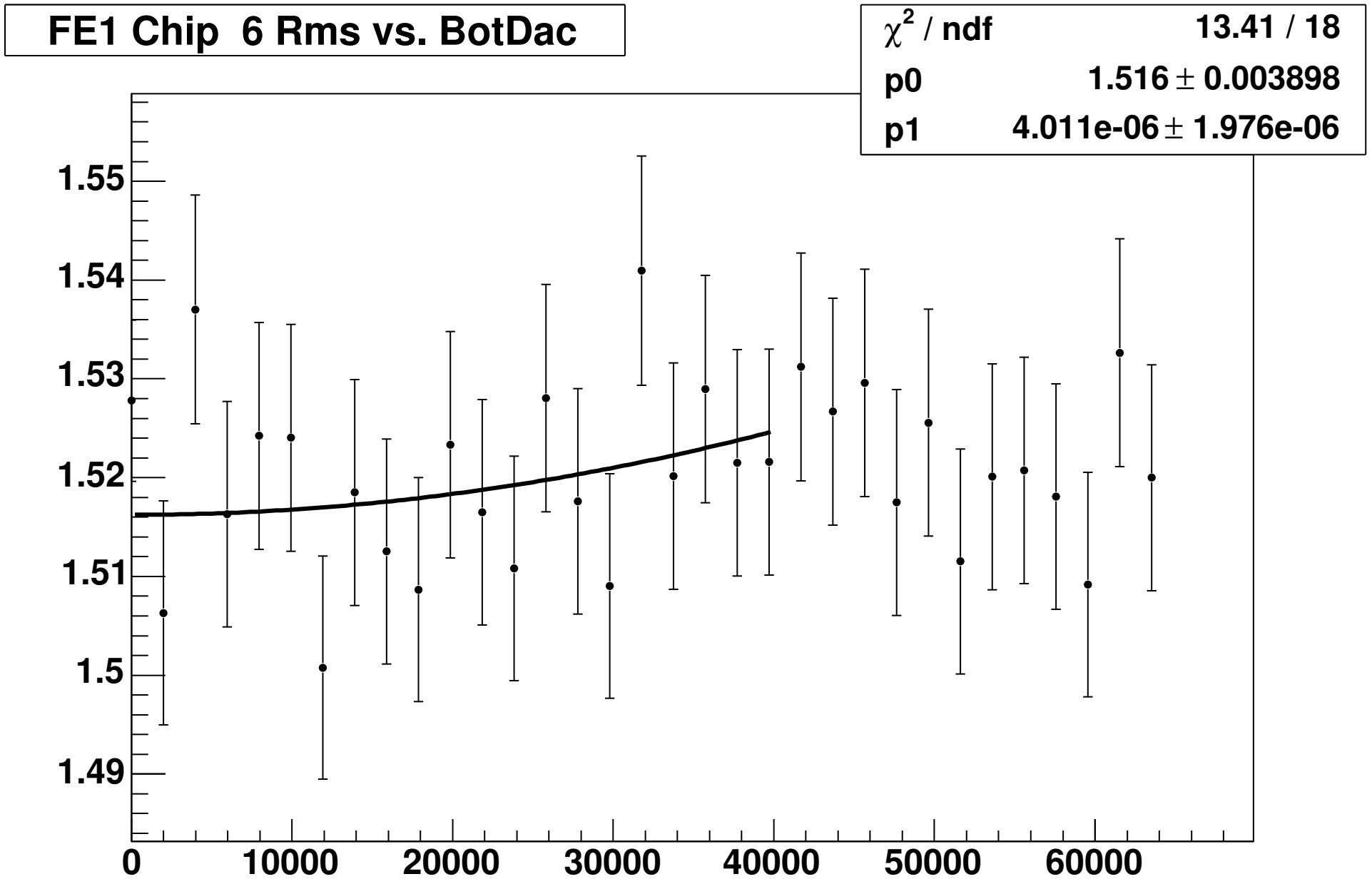
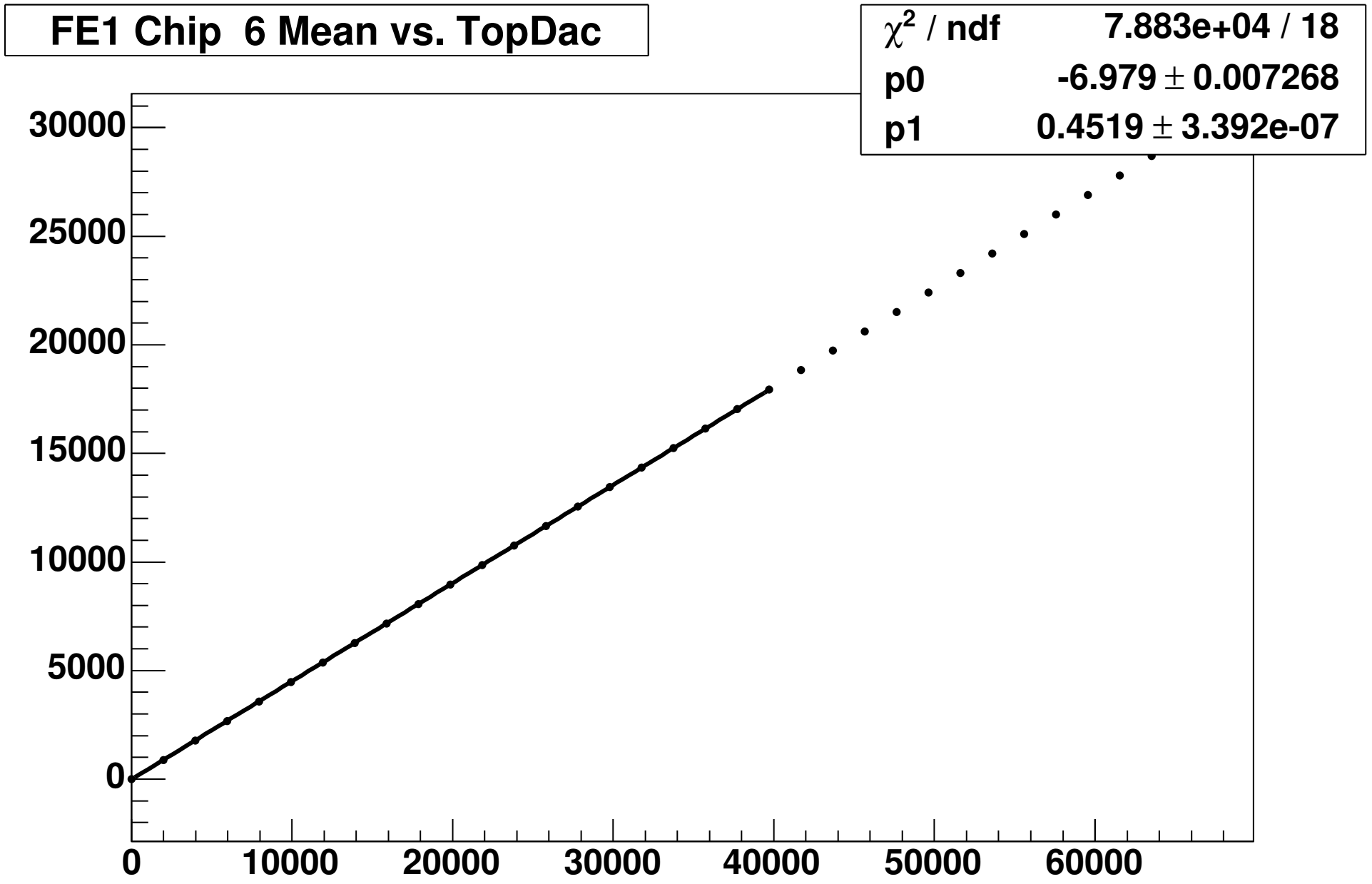

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 171.8 / 18
p0 -7.545 ± 0.007491
p1 3.366e-06 ± 3.155e-07
-7.3
-7.35
-7.4
-7.45
-7.5
-7.55
-7.6
-7.65
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 13.41 / 18
p0 1.516 ± 0.003898
p1 4.011e-06 ± 1.976e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 7.883e+04 / 18
p0 -6.979 ± 0.007268
p1 0.4519 ± 3.392e-07
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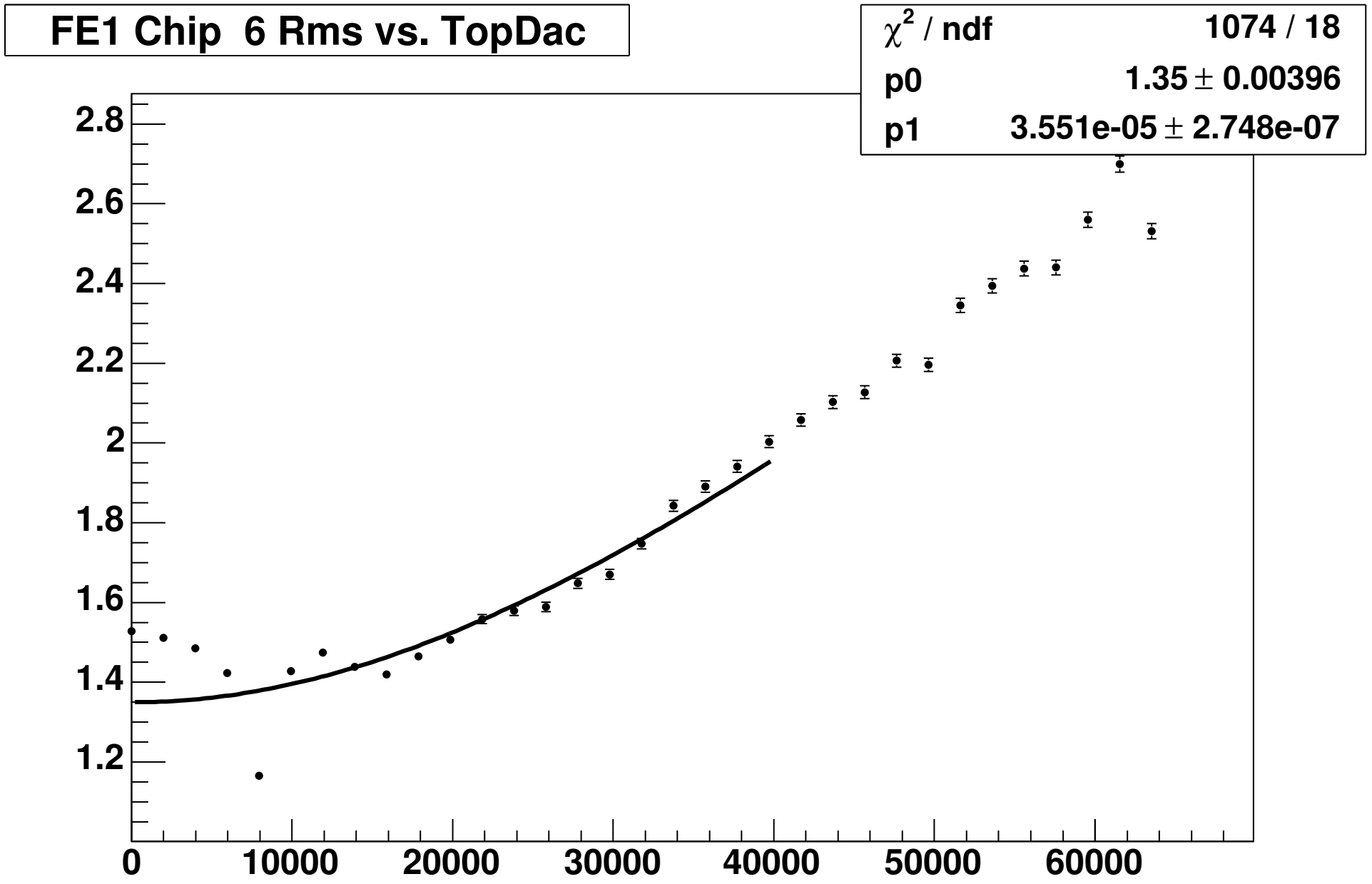
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 1074 / 18
p0 1.35 ± 0.00396
p1 3.551e-05 ± 2.748e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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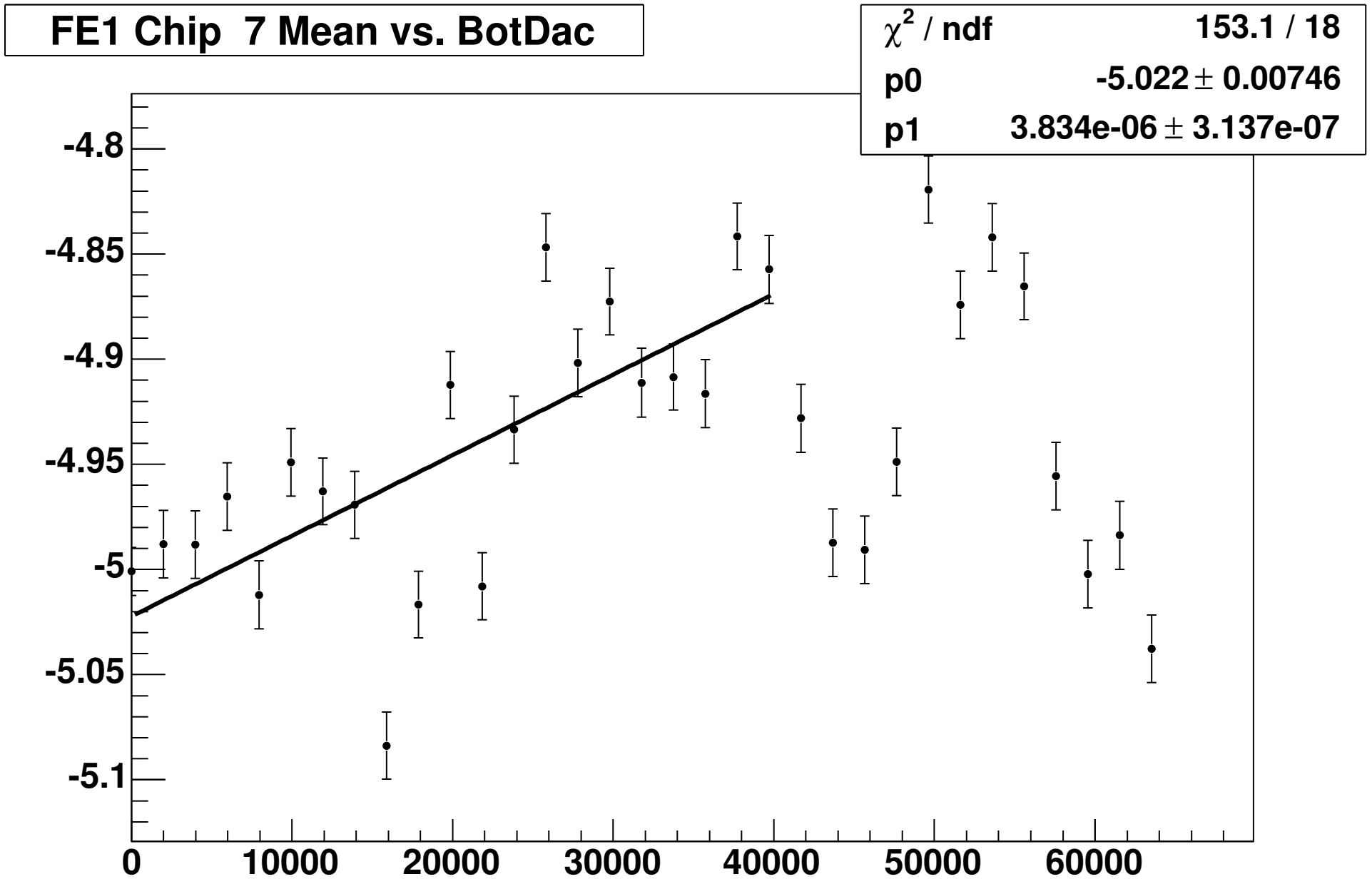
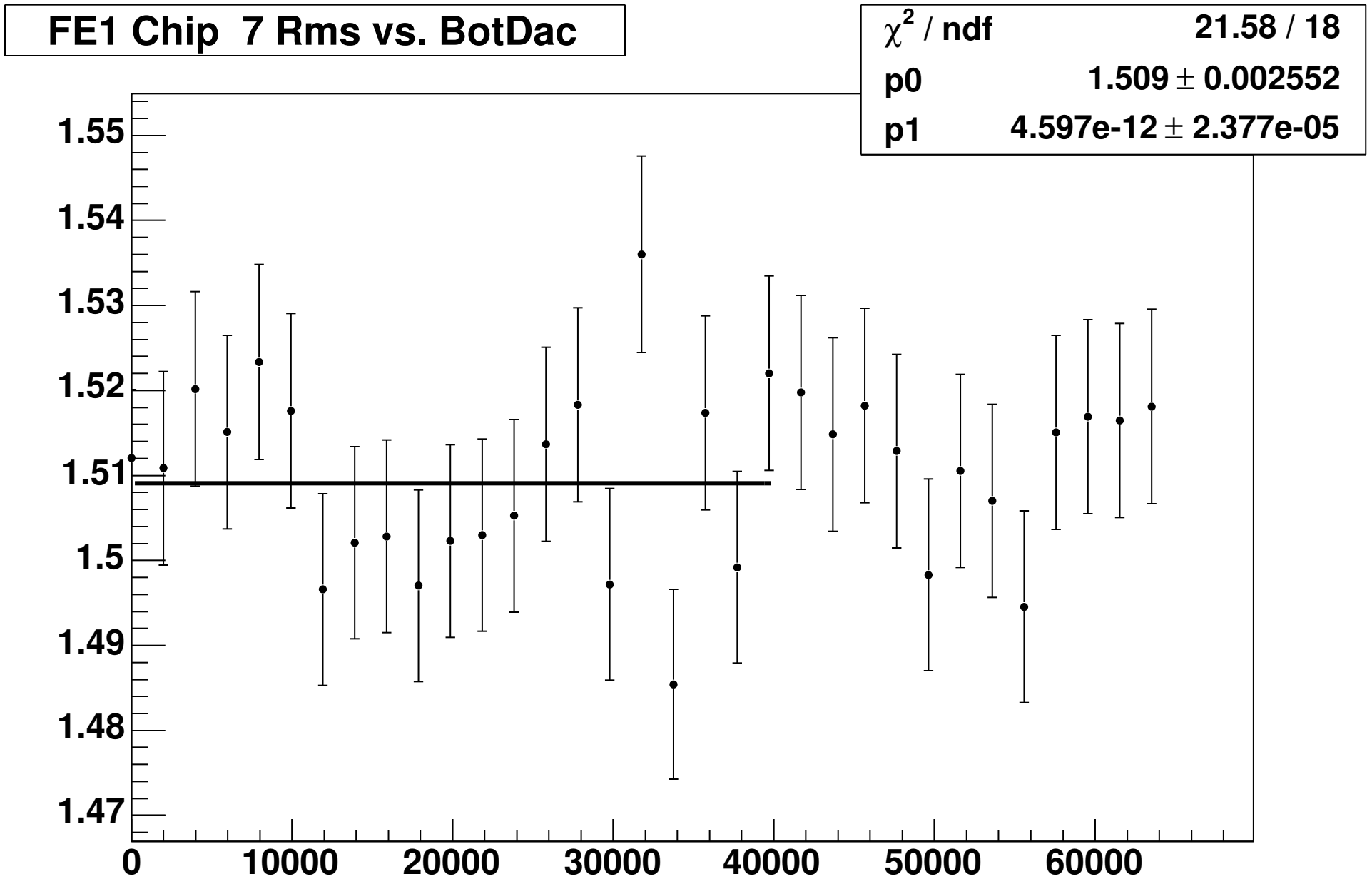
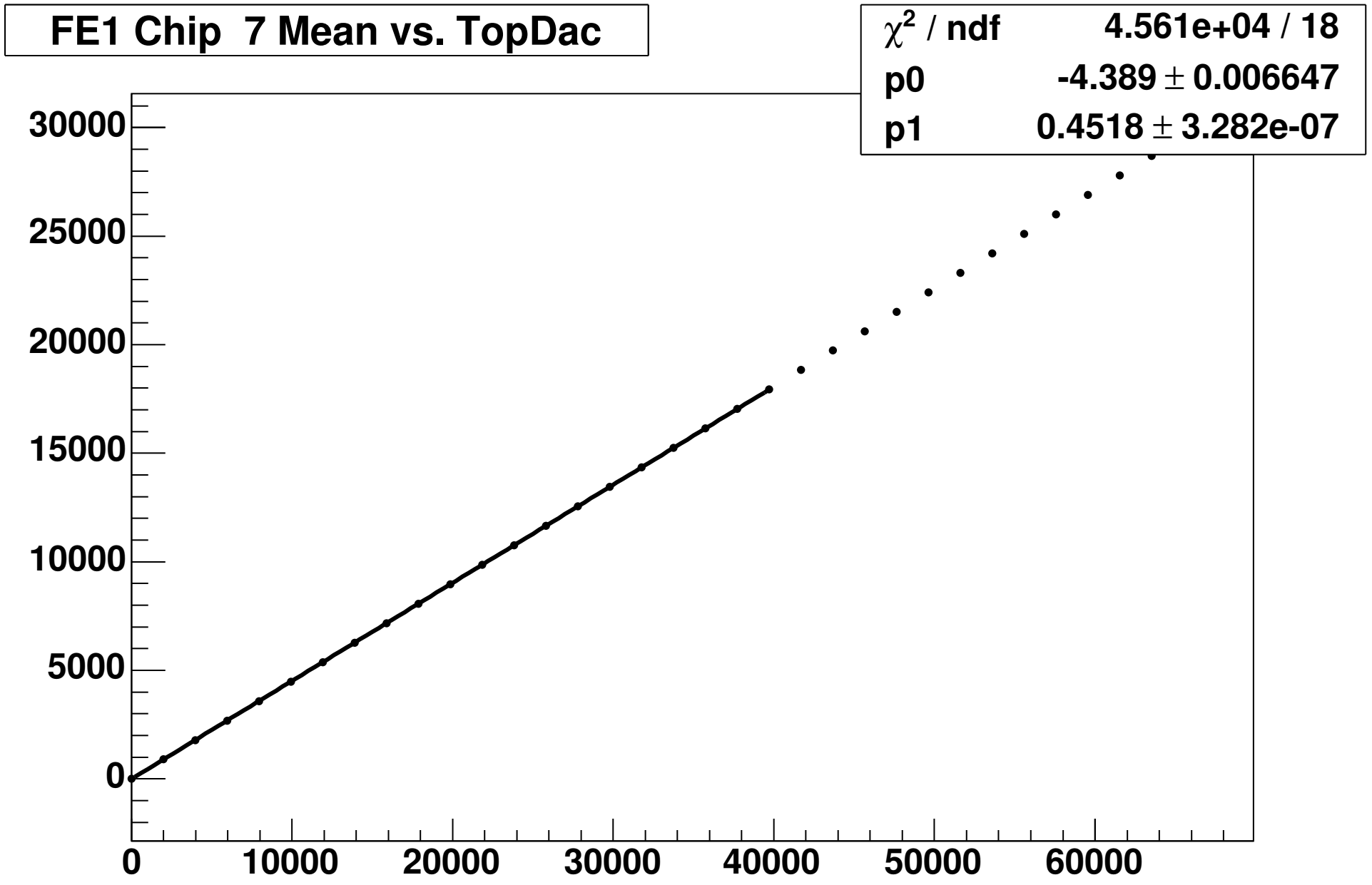
30000
40000
50000
60000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 153.1 / 18
p0 -5.022 ± 0.00746
p1 3.834e-06 ± 3.137e-07
-4.8
-4.85
-4.9
-4.95
-5
-5.05
-5.1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 21.58 / 18
p0 1.509 ± 0.002552
p1 4.597e-12 ± 2.377e-05
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 4.561e+04 / 18
p0 -4.389 ± 0.006647
p1 0.4518 ± 3.282e-07
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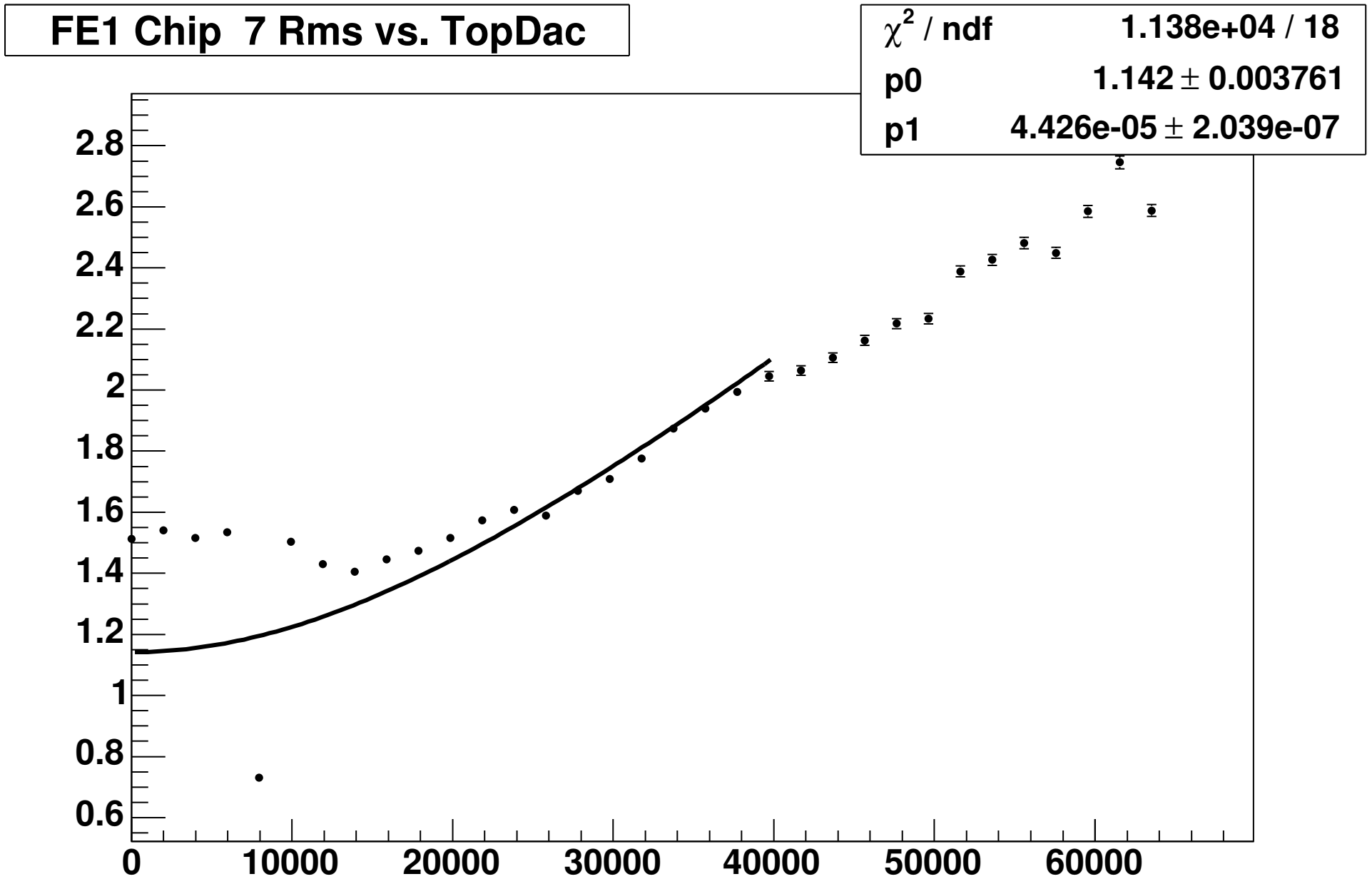
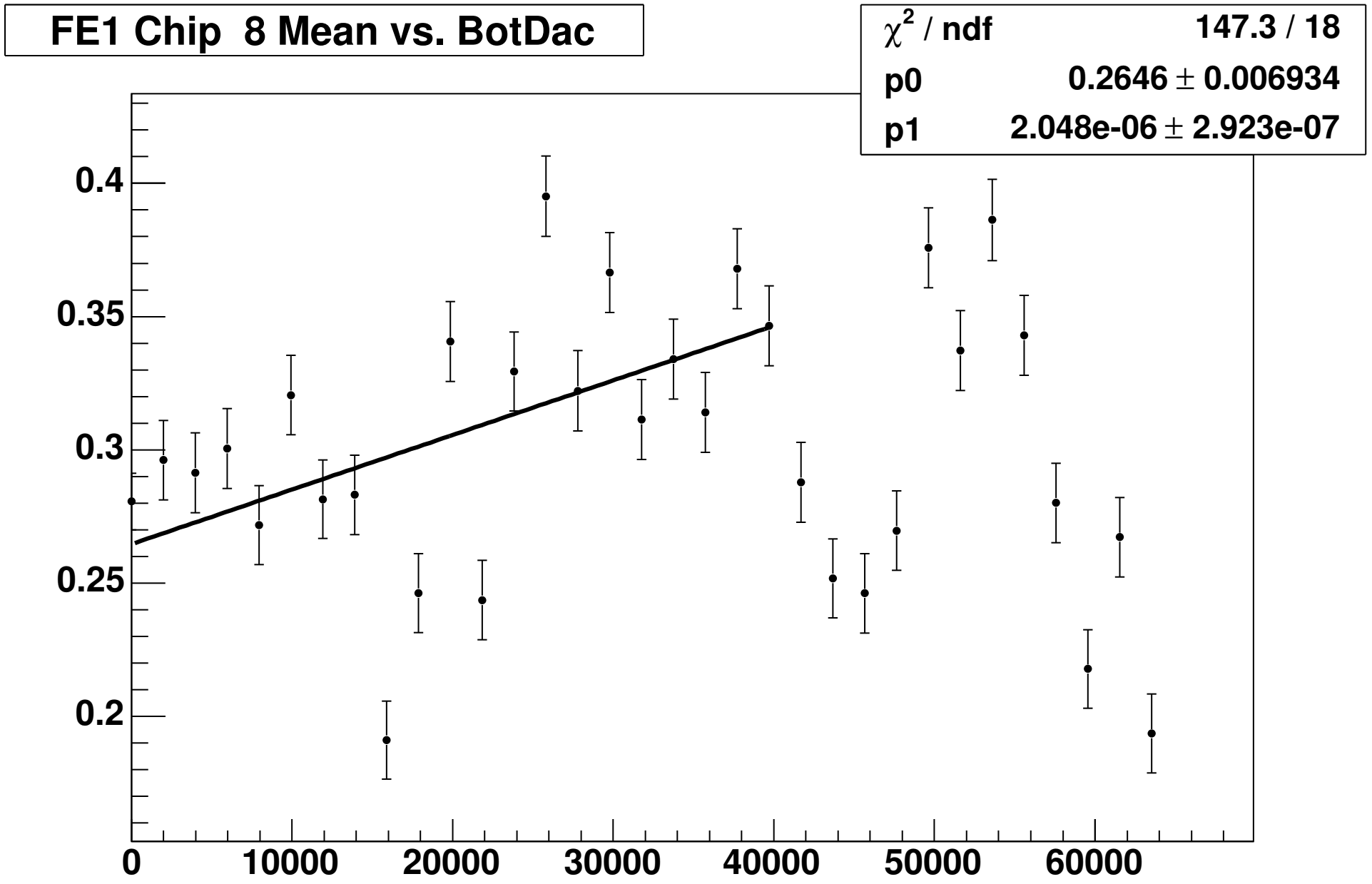
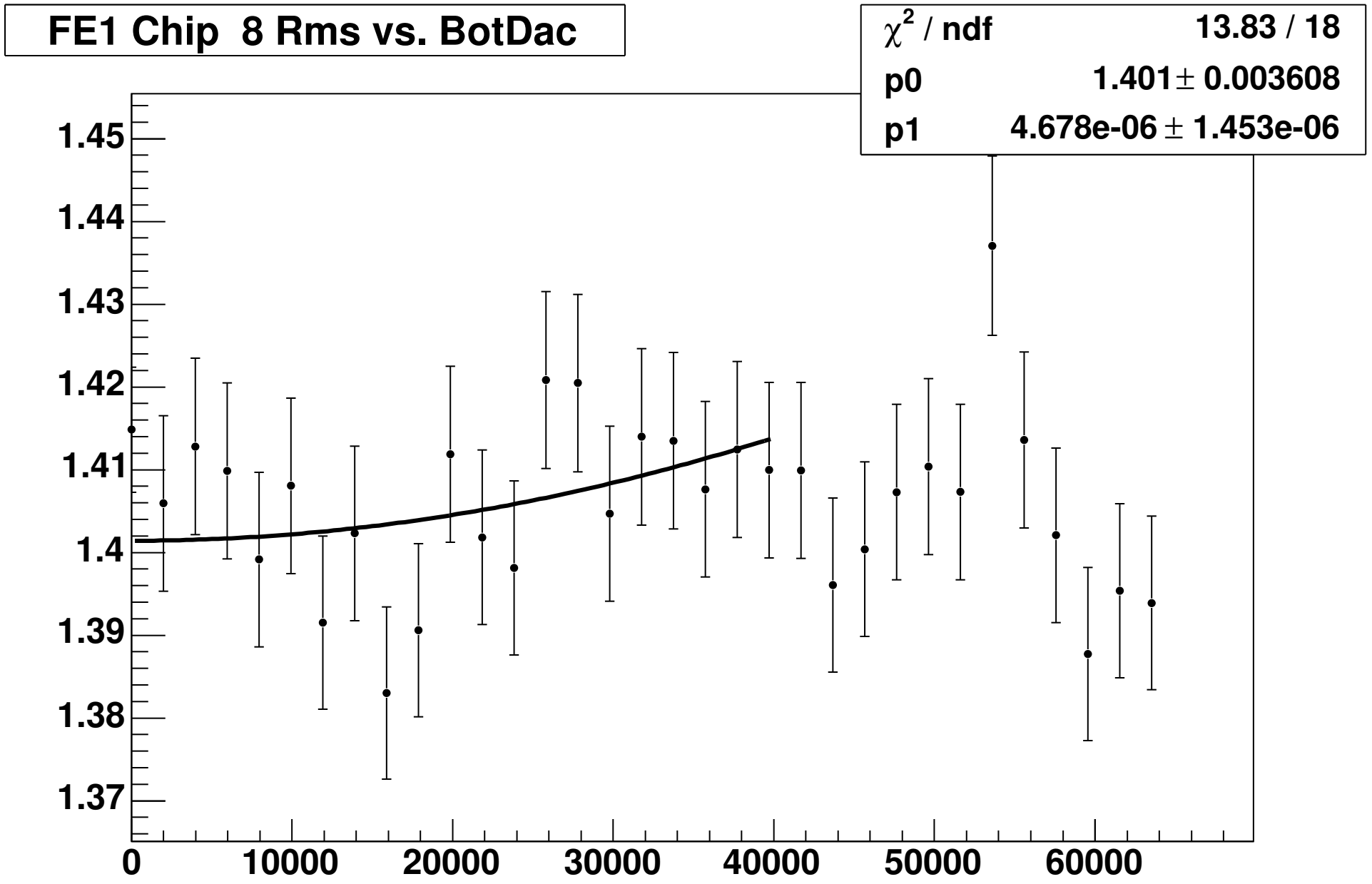
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1.138e+04 / 18
p0 1.142 ± 0.003761
p1 4.426e-05 ± 2.039e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Mean vs. BotDac
χ^2 / ndf 147.3 / 18
p0 0.2646 ± 0.006934
p1 2.048e-06 ± 2.923e-07
0.4
0.35
0.3
0.25
0.2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 13.83 / 18
p0 1.401 ± 0.003608
p1 4.678e-06 ± 1.453e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
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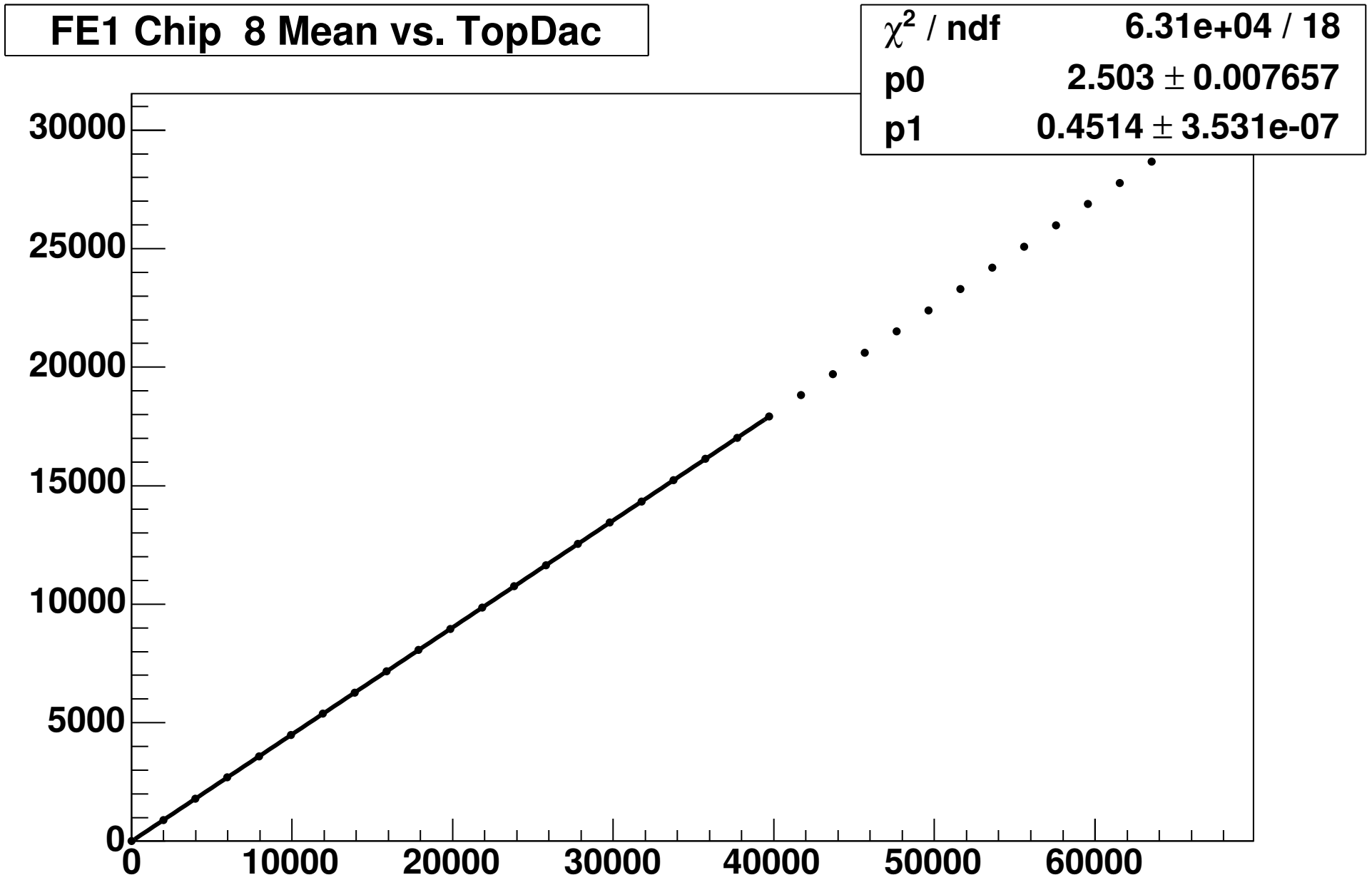
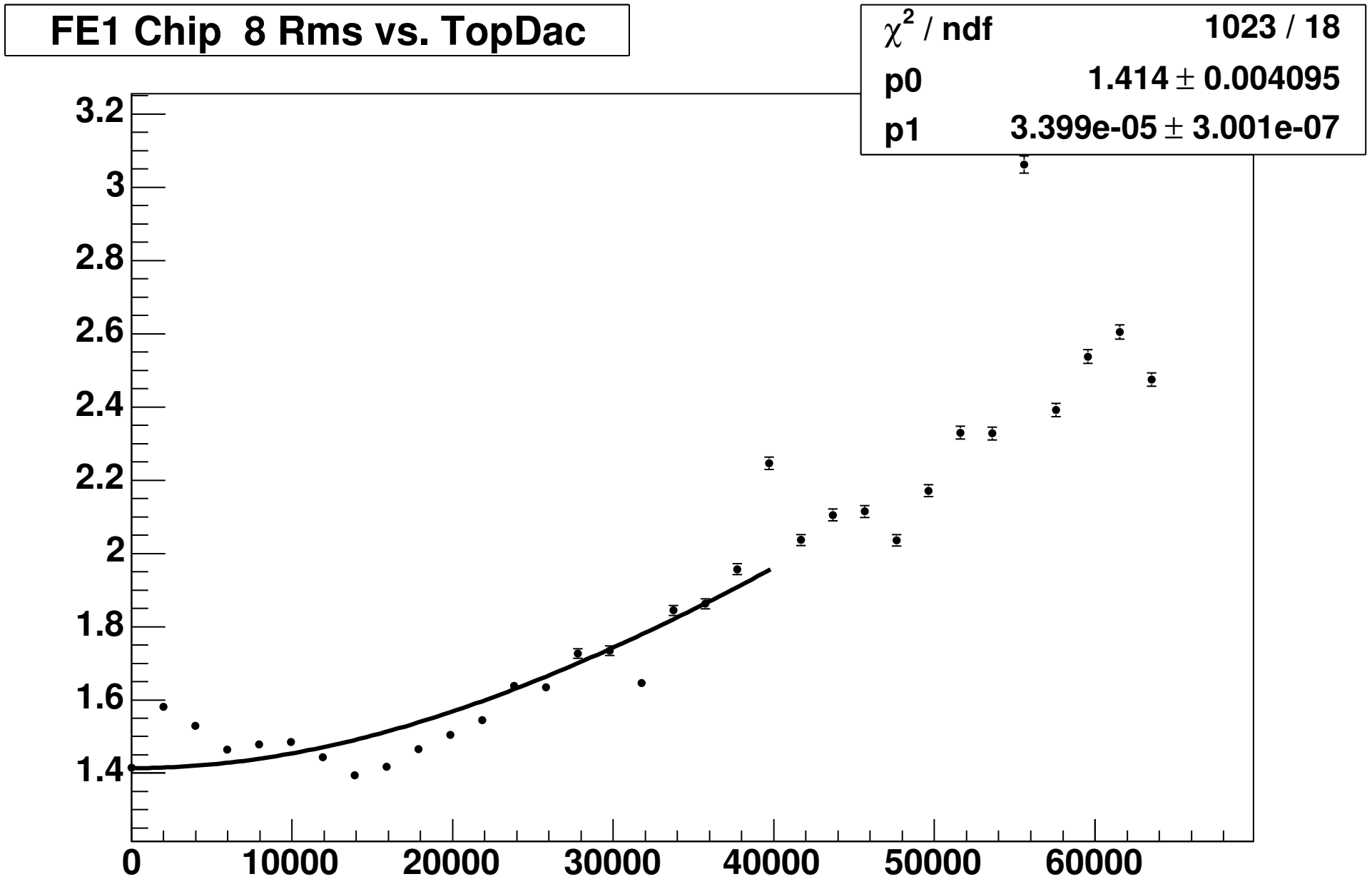
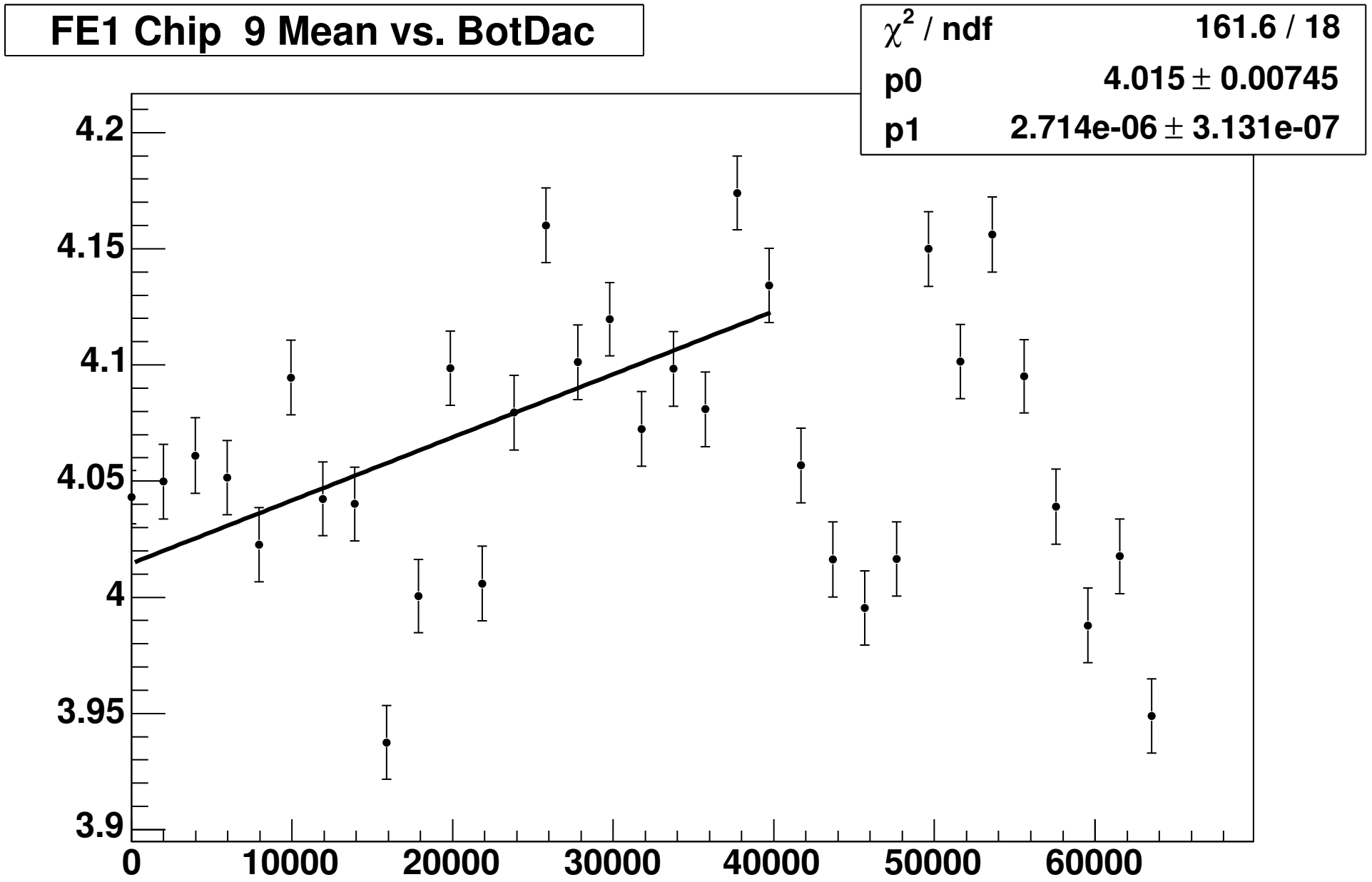

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 6.31e+04 / 18
p0 2.503 ± 0.007657
p1 0.4514 ± 3.531e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1023 / 18
p0 1.414 ± 0.004095
p1 3.399e-05 ± 3.001e-07
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 161.6 / 18
p0 4.015 ± 0.00745
p1 2.714e-06 ± 3.131e-07
4.2
4.15
4.1
4.05
4
3.95
3.9
0
10000
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30000
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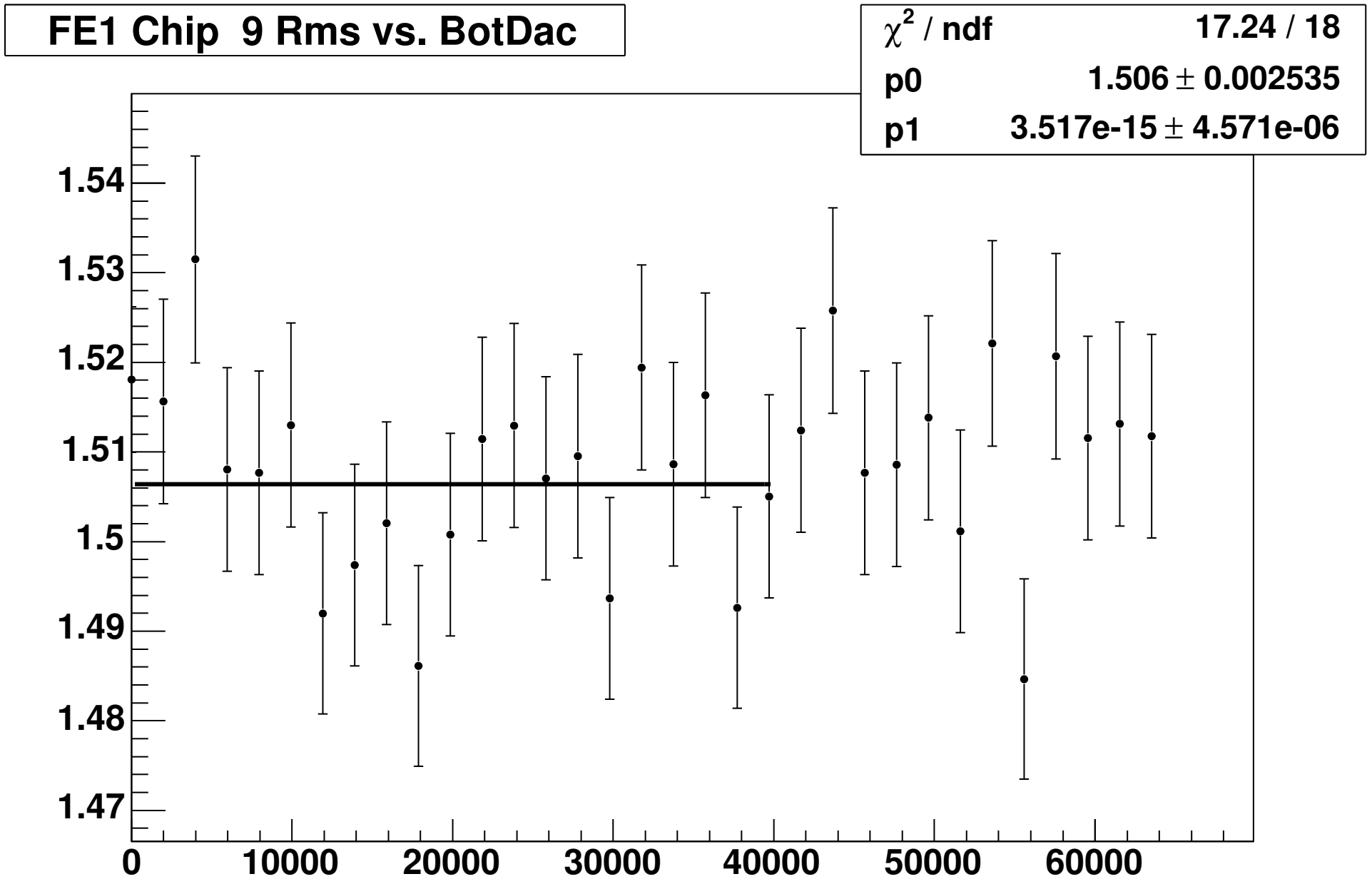
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 17.24 / 18
p0 1.506 ± 0.002535
p1 3.517e-15 ± 4.571e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
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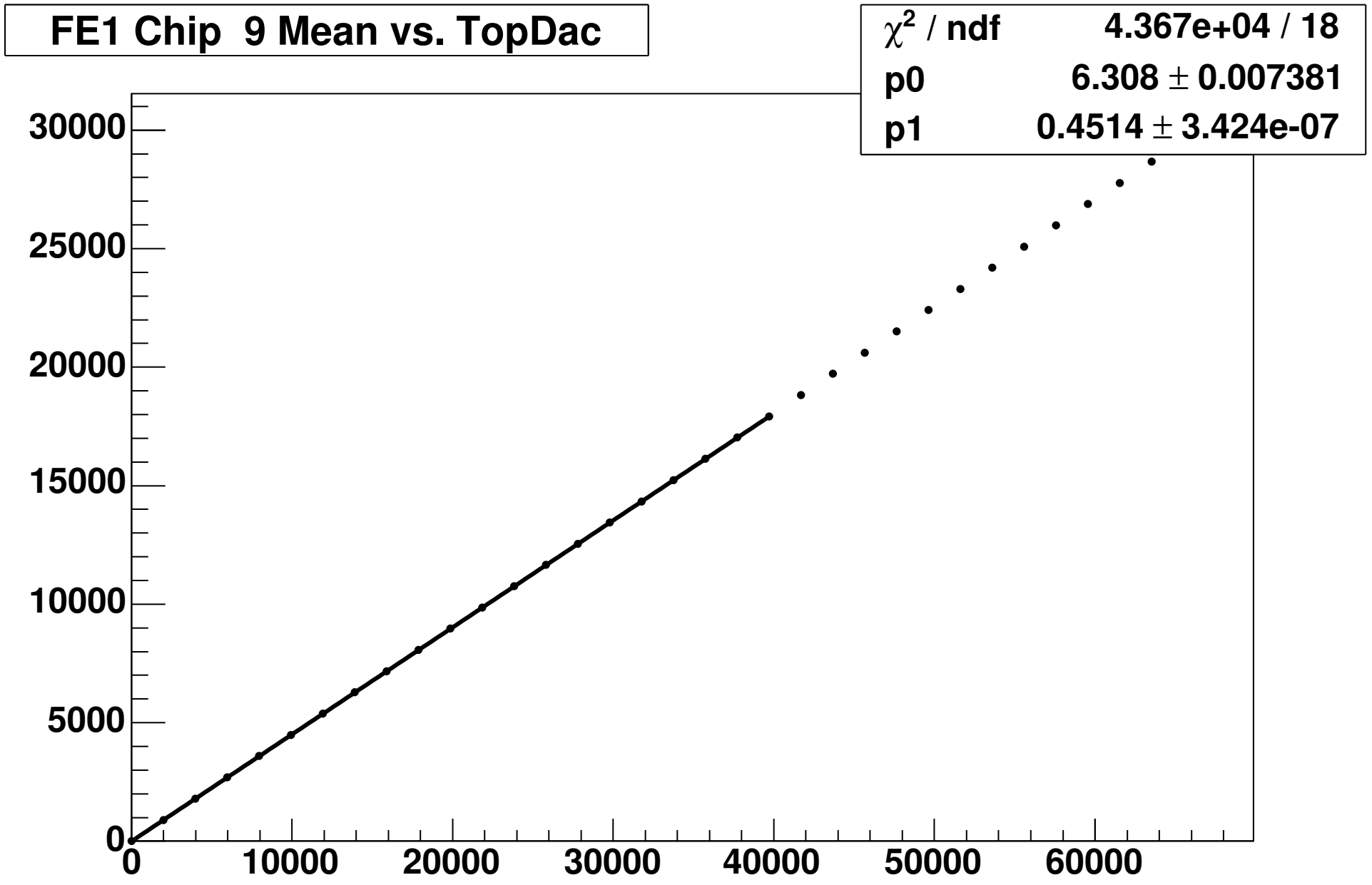
60000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 4.367e+04 / 18
p0 6.308 ± 0.007381
p1 0.4514 ± 3.424e-07
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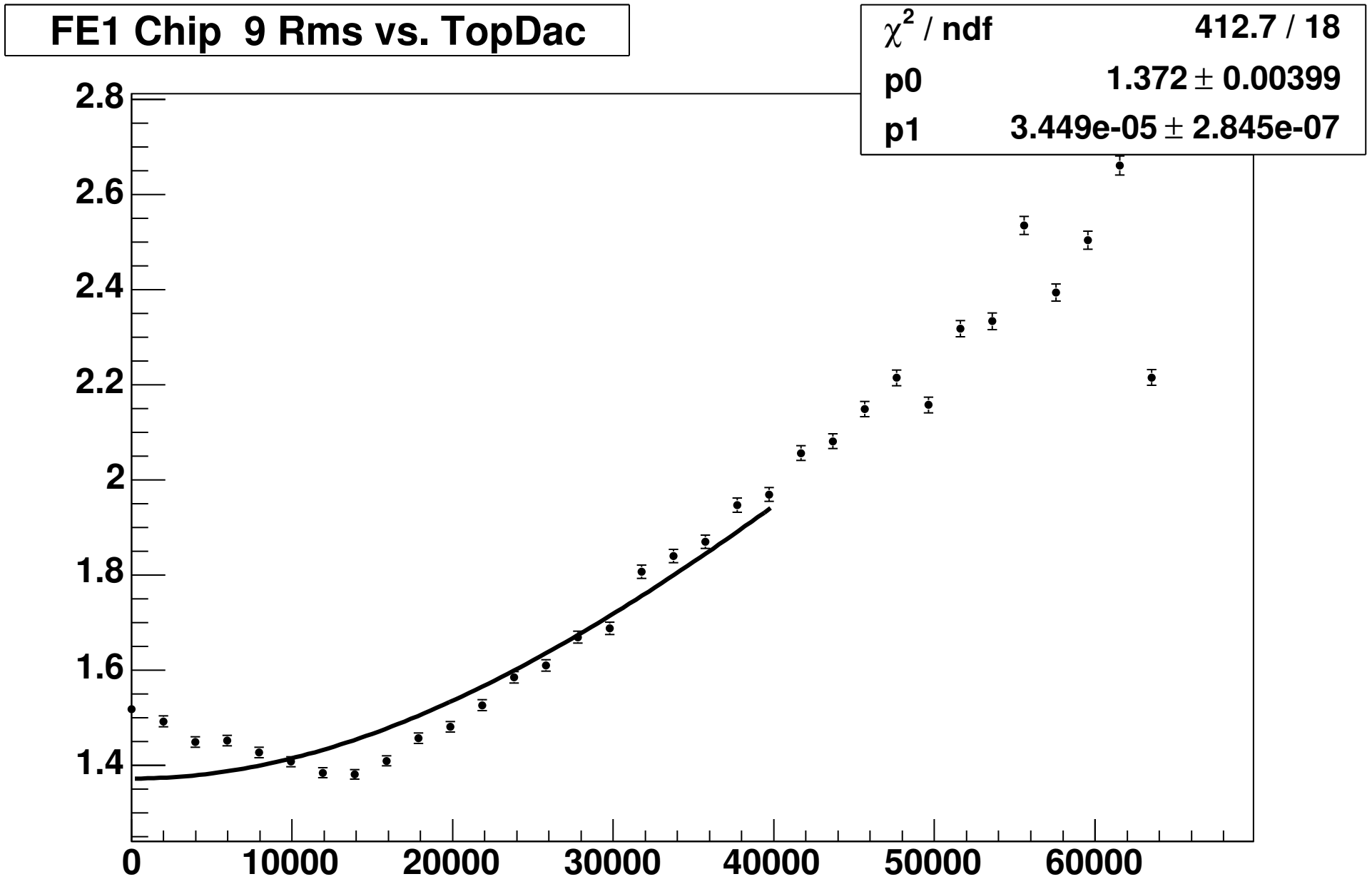
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 412.7 / 18
p0 1.372 ± 0.00399
p1 3.449e-05 ± 2.845e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
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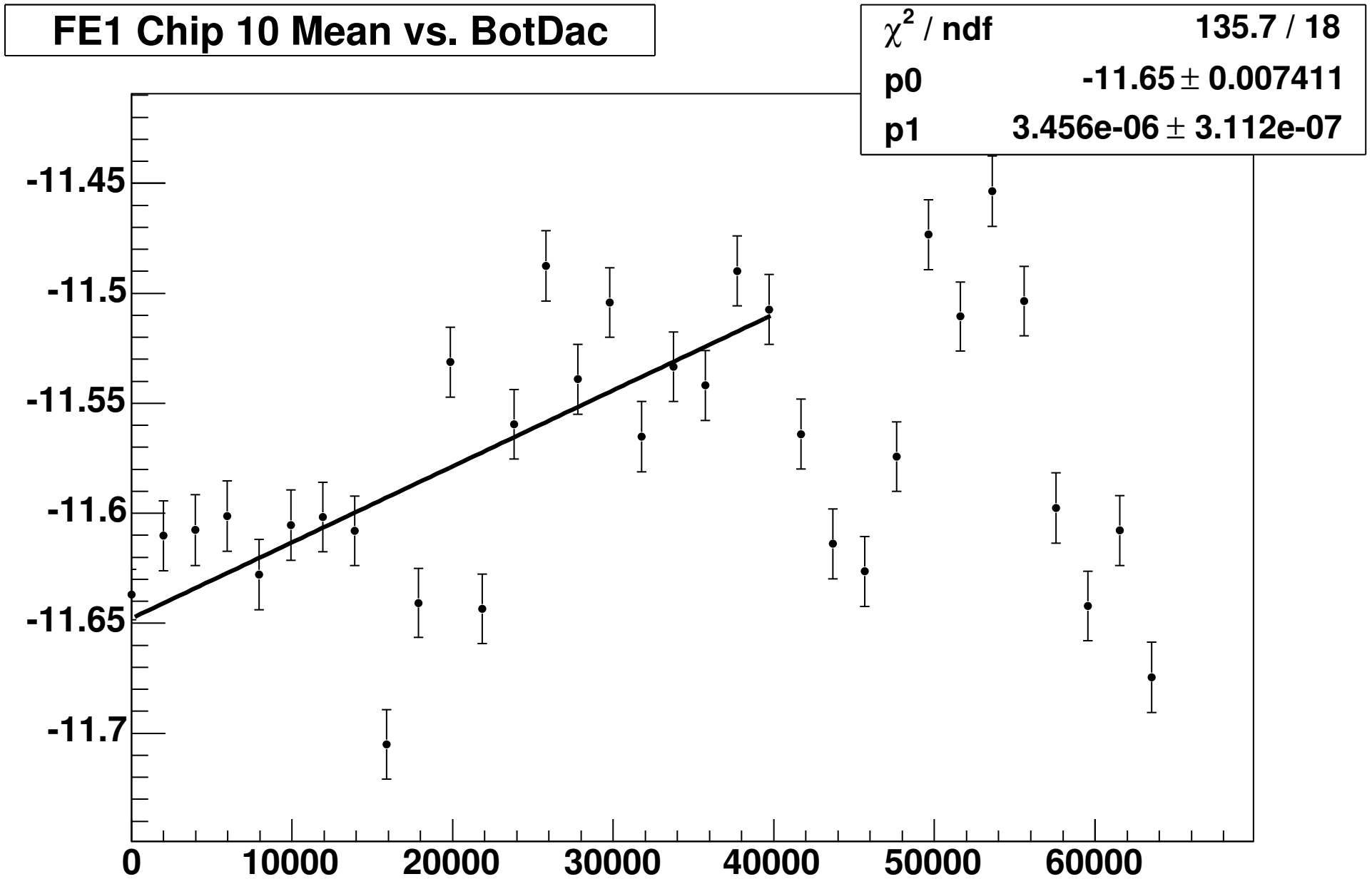
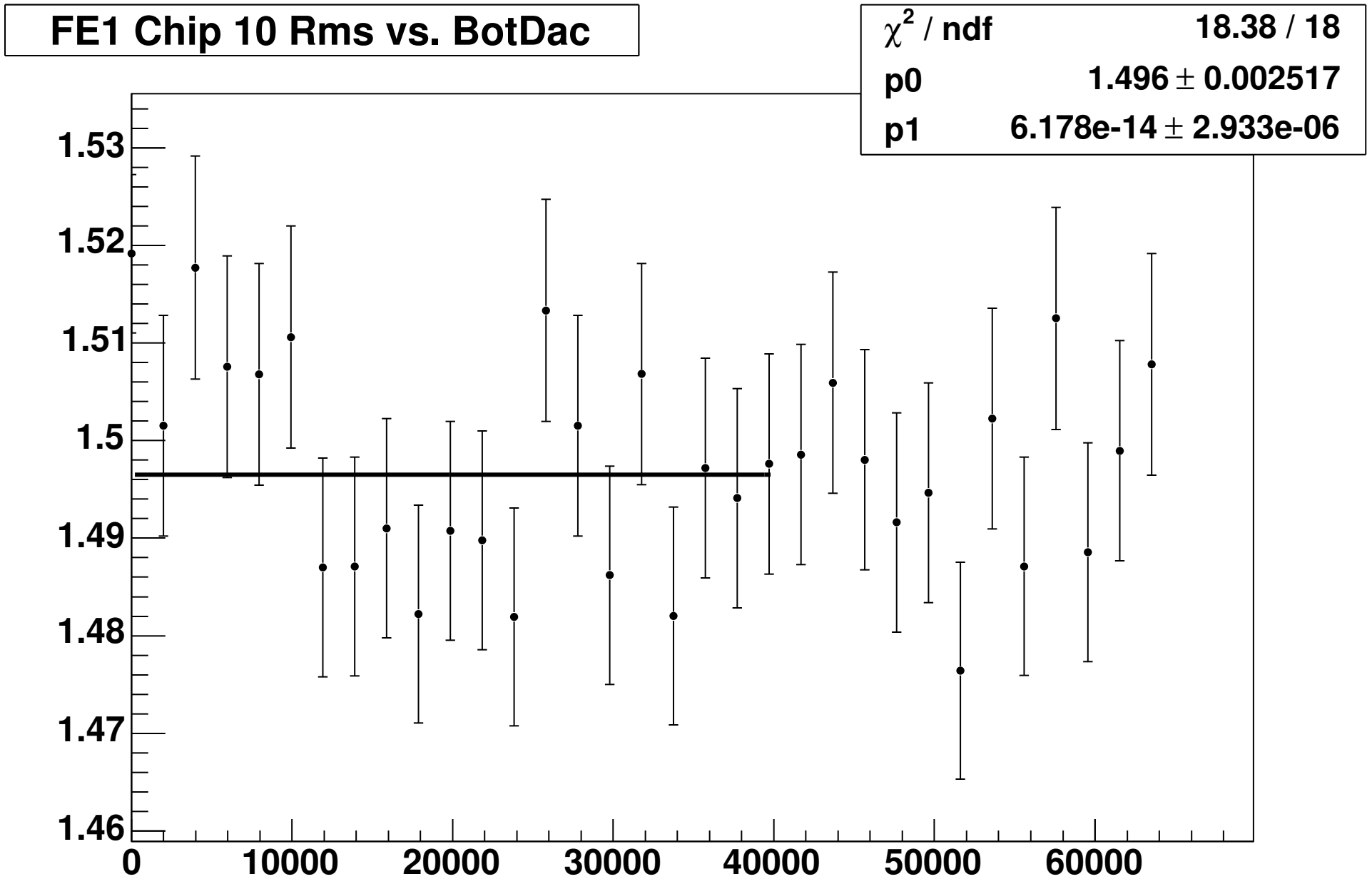
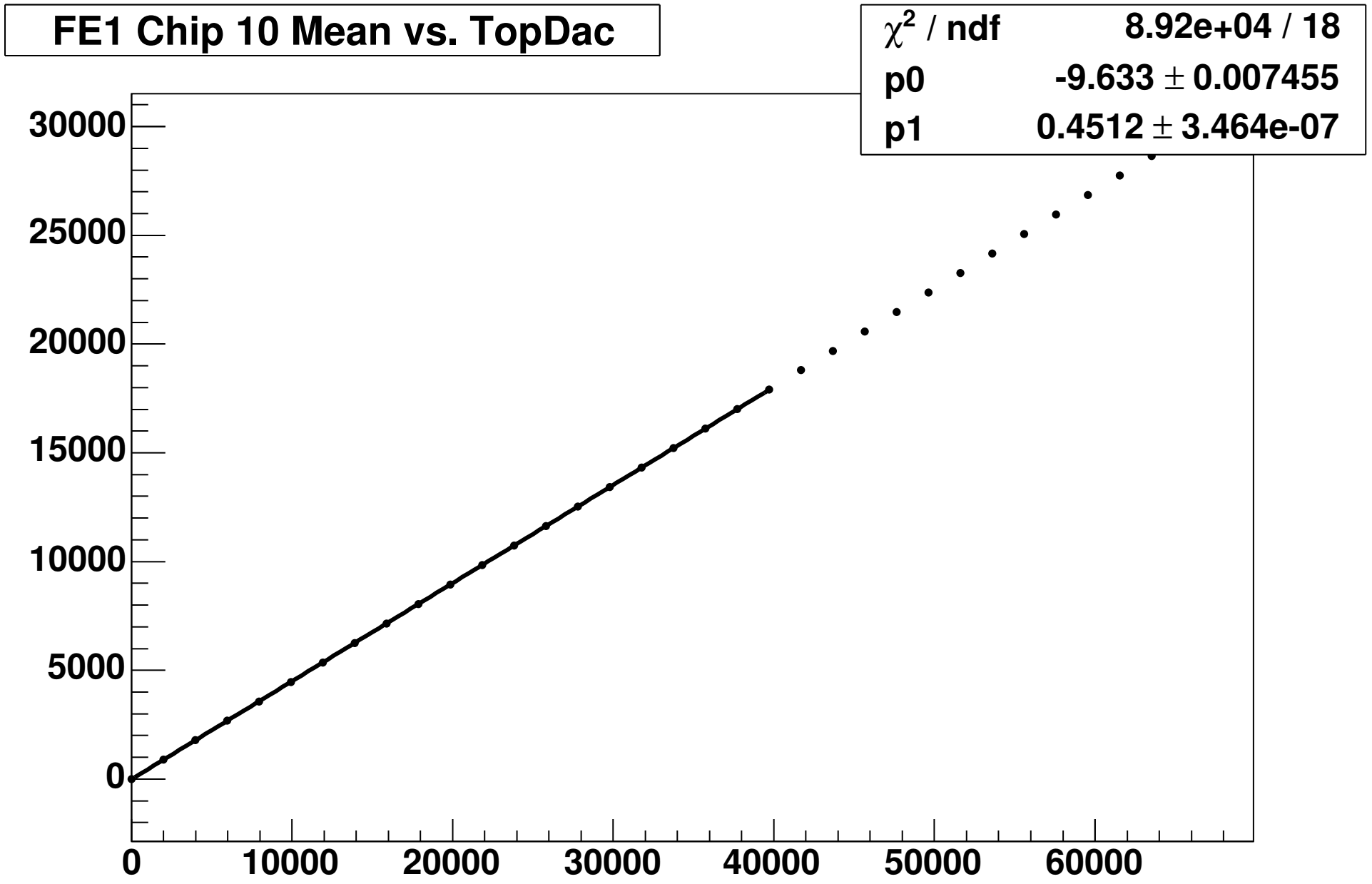
60000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 135.7 / 18
p0 -11.65 ± 0.007411
p1 3.456e-06 ± 3.112e-07
-11.45
-11.5
-11.55
-11.6
-11.65
-11.7
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 18.38 / 18
p0 1.496 ± 0.002517
p1 6.178e-14 ± 2.933e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.92e+04 / 18
p0 -9.633 ± 0.007455
p1 0.4512 ± 3.464e-07
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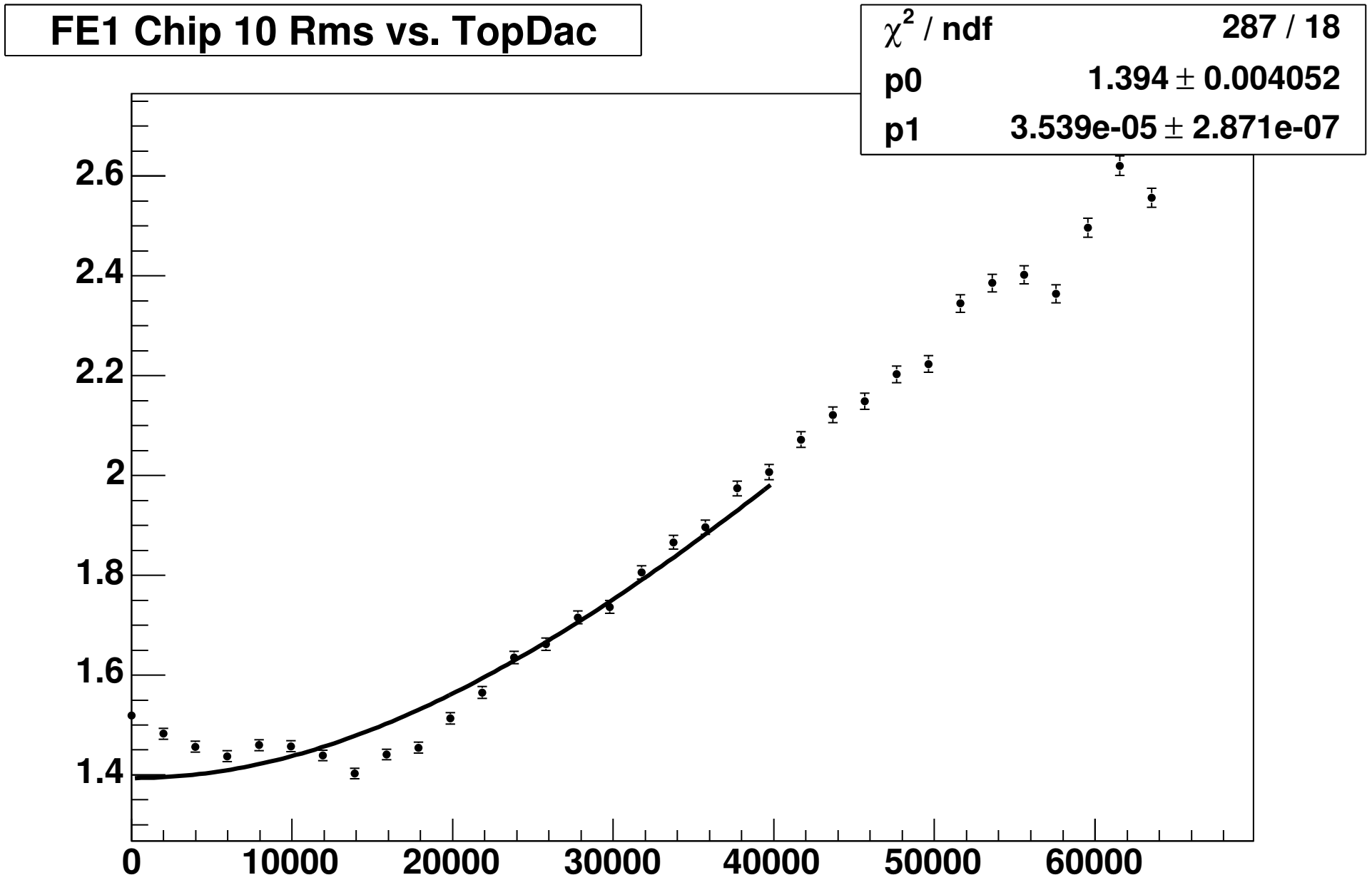
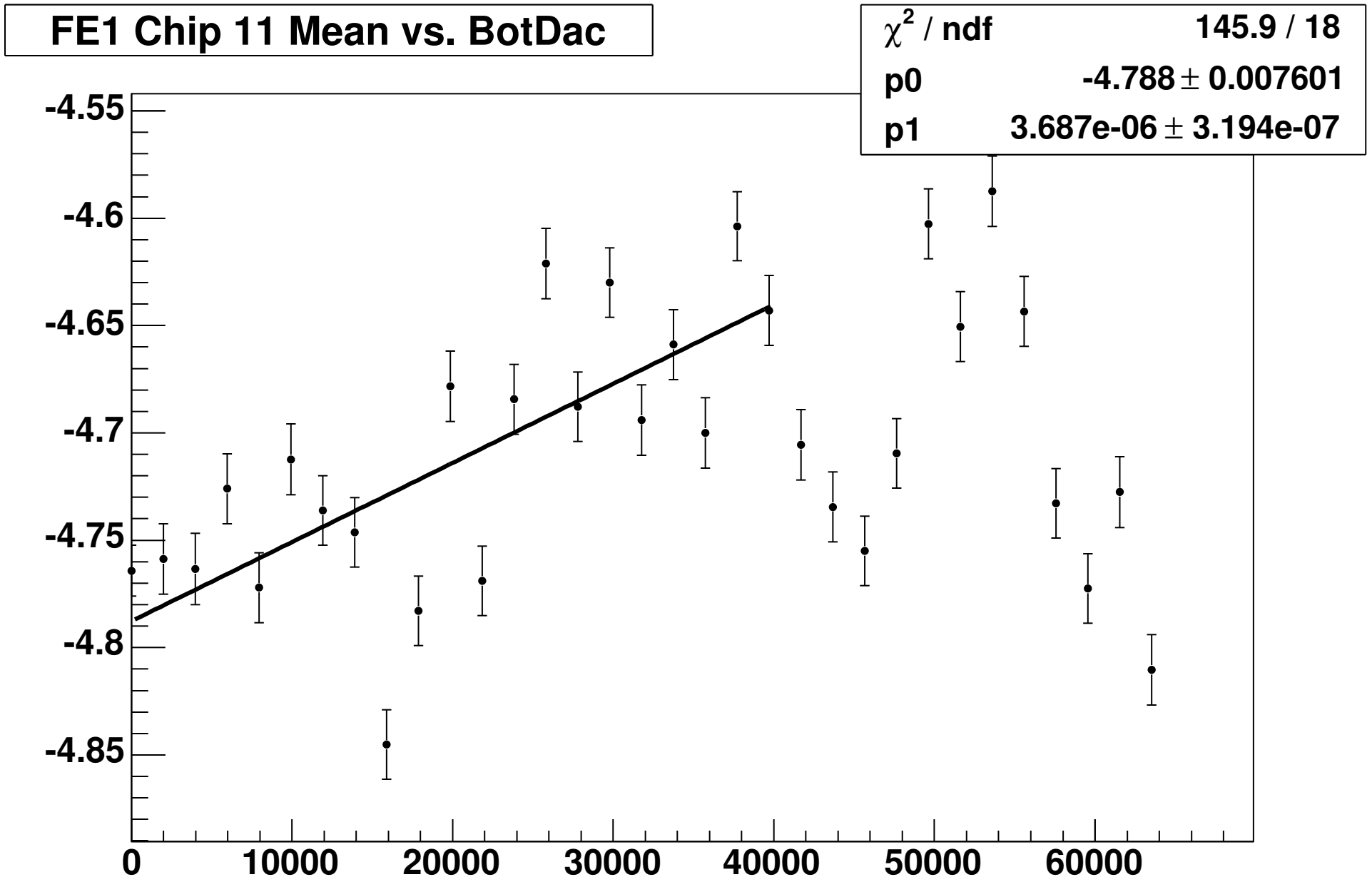
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 287 / 18
p0 1.394 ± 0.004052
p1 3.539e-05 ± 2.871e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 145.9 / 18
p0 -4.788 ± 0.007601
p1 3.687e-06 ± 3.194e-07
-4.55
-4.6
-4.65
-4.7
-4.75
-4.8
-4.85
0
10000
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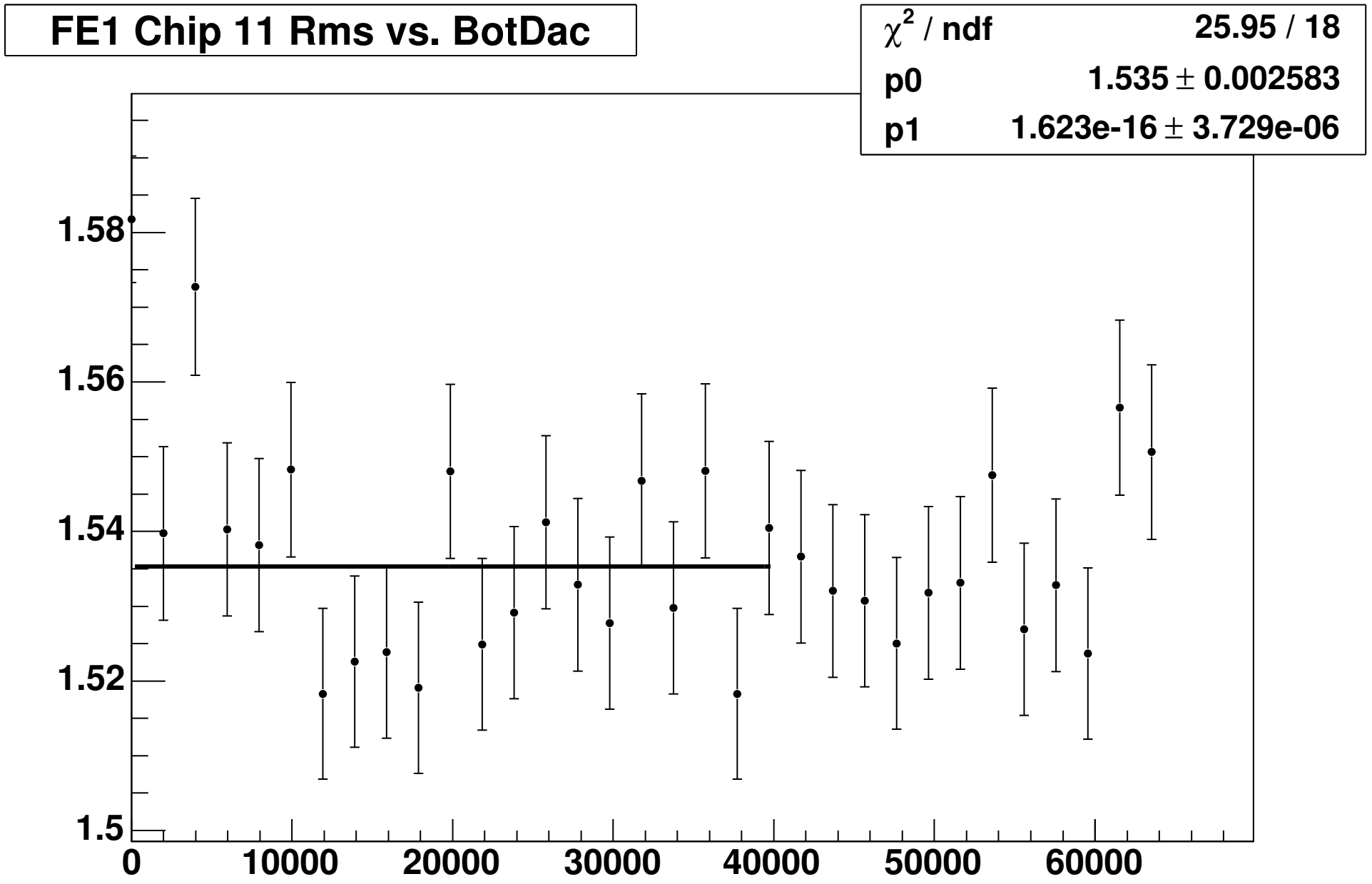
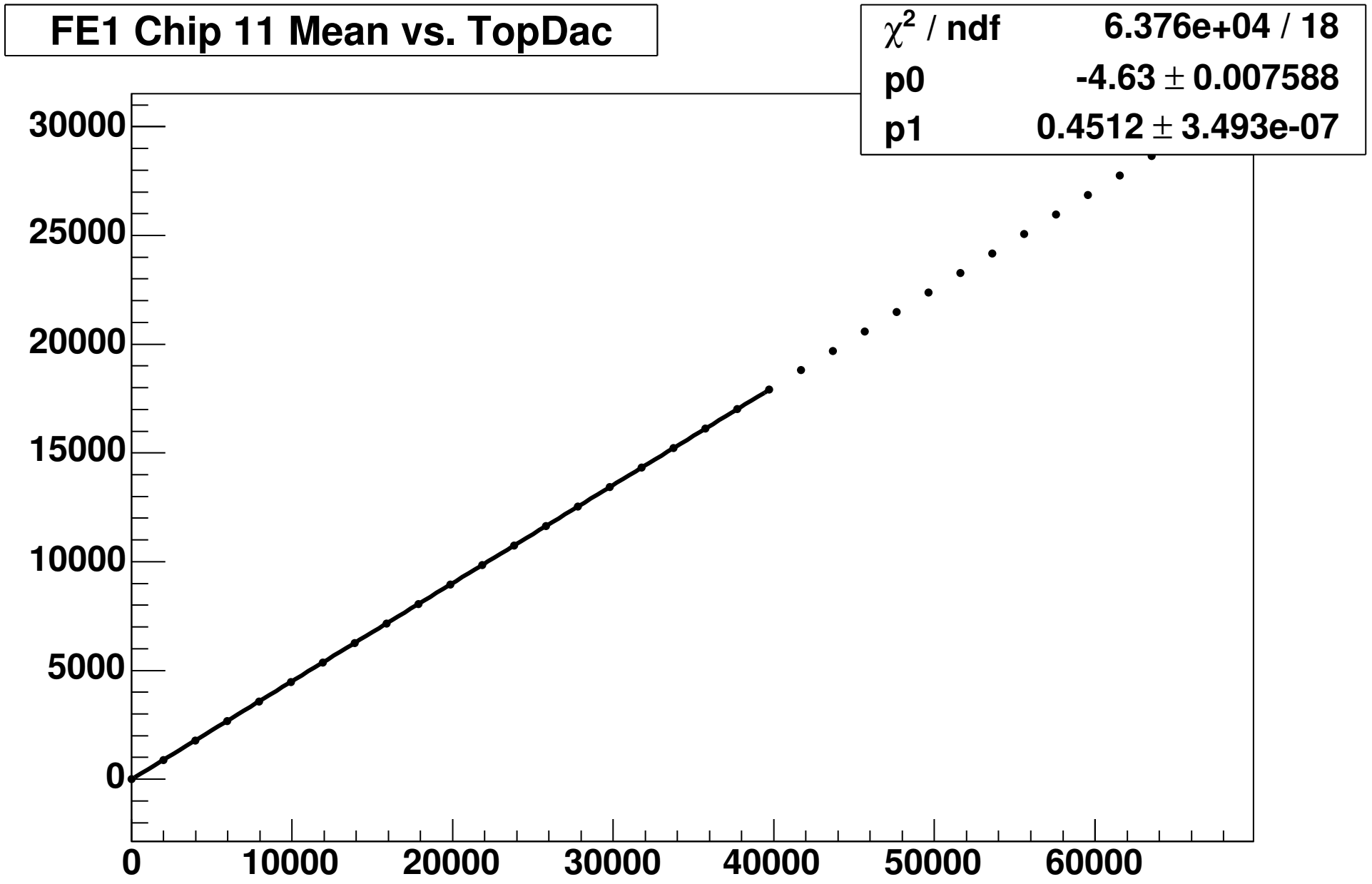
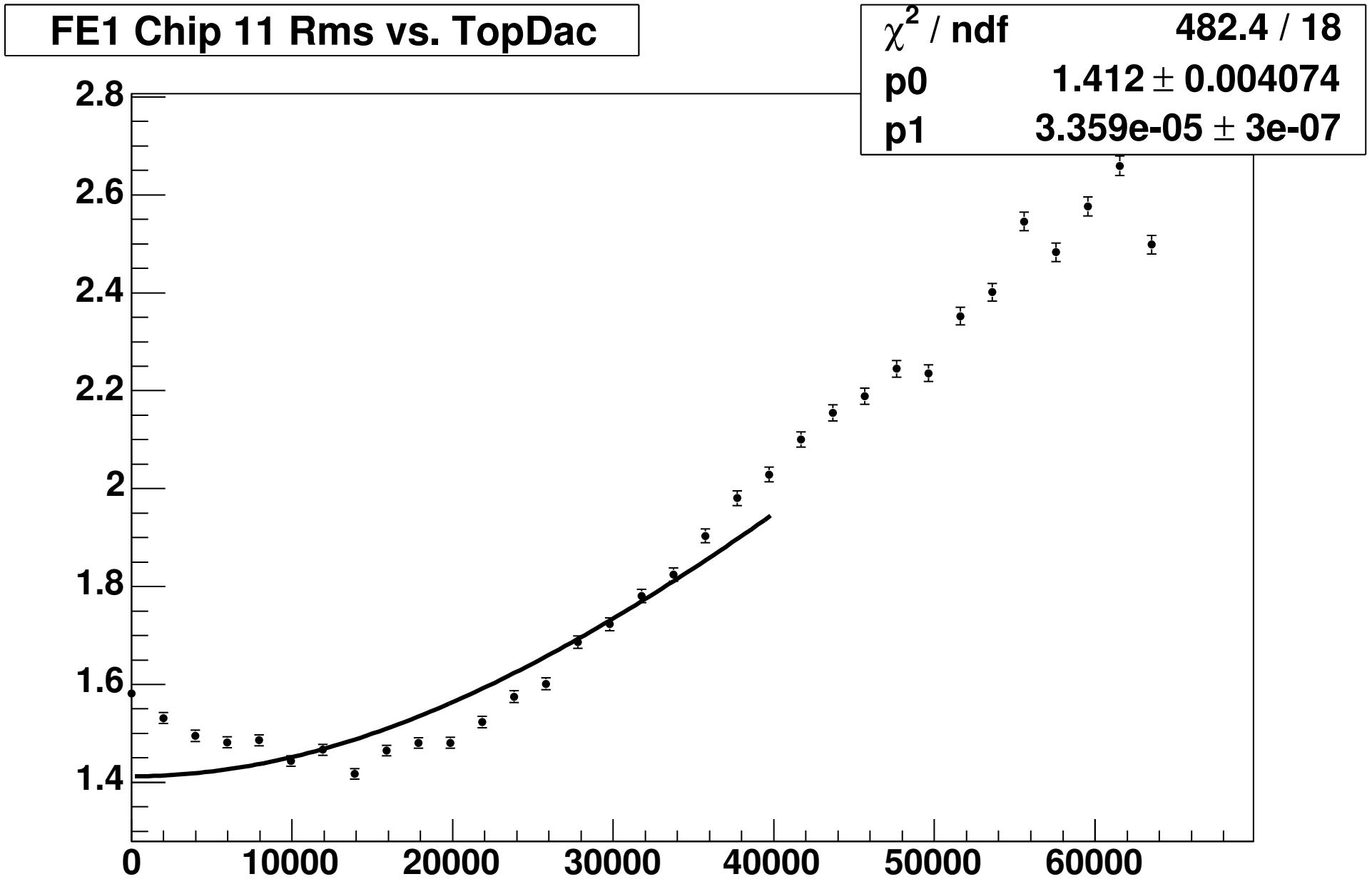
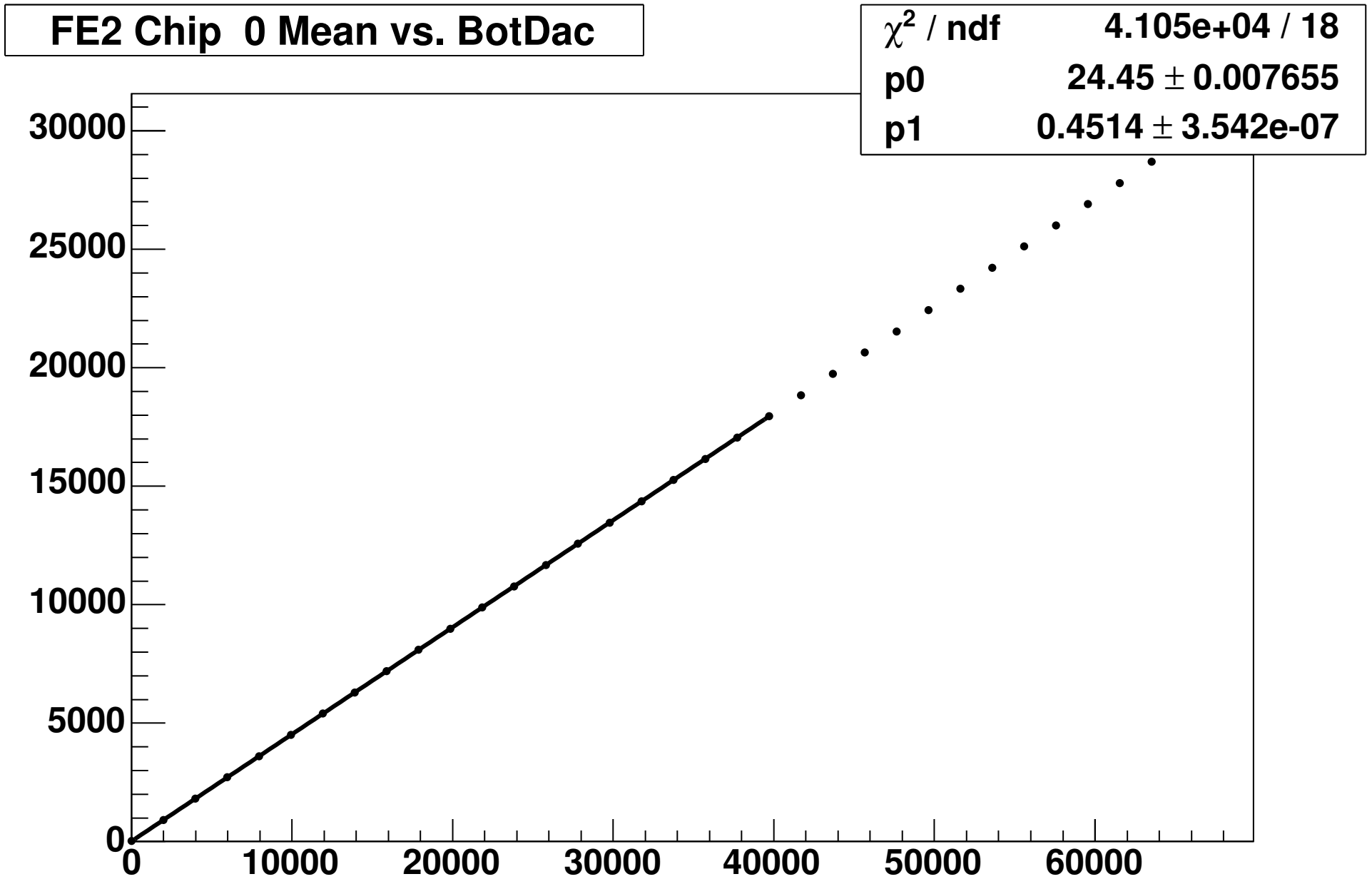
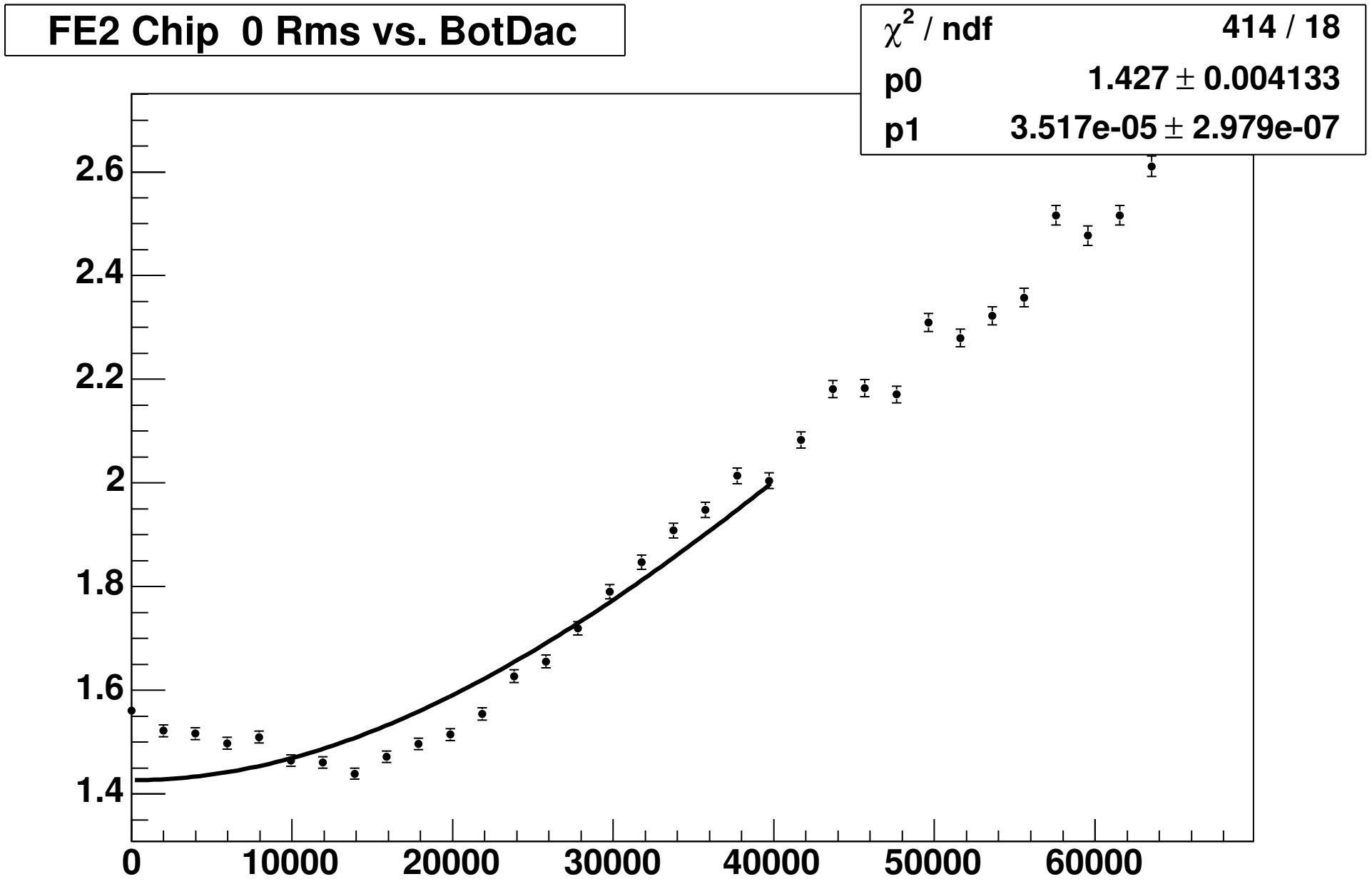
30000
40000
50000
60000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 25.95 / 18
p0 1.535 ± 0.002583
p1 1.623e-16 ± 3.729e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 6.376e+04 / 18
p0 -4.63 ± 0.007588
p1 0.4512 ± 3.493e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 482.4 / 18
p0 1.412 ± 0.004074
p1 3.359e-05 ± 3e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 4.105e+04 / 18
p0 24.45 ± 0.007655
p1 0.4514 ± 3.542e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 414 / 18
p0 1.427 ± 0.004133
p1 3.517e-05 ± 2.979e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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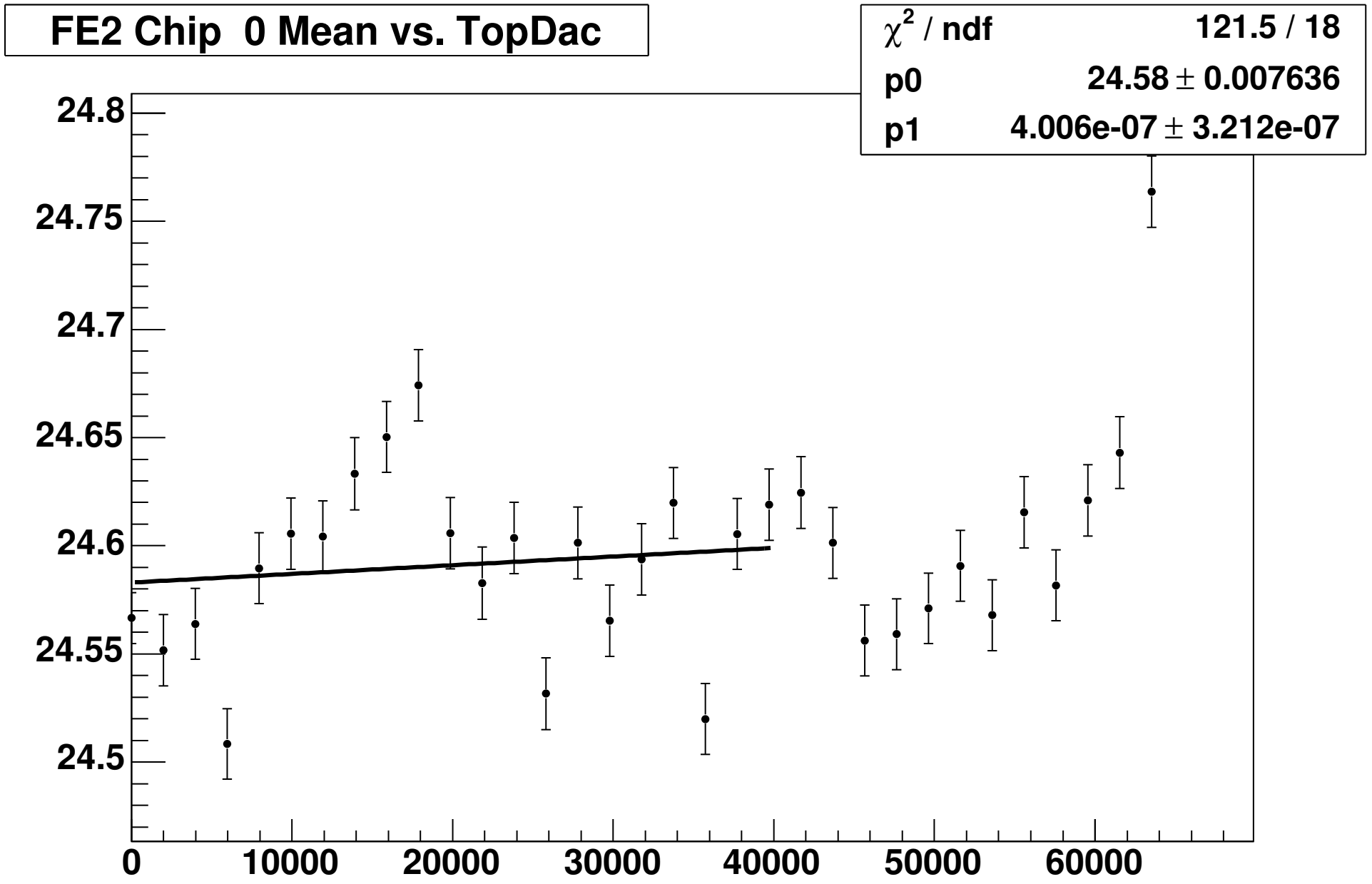
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 121.5 / 18
p0 24.58 ± 0.007636
p1 4.006e-07 ± 3.212e-07
24.8
24.75
24.7
24.65
24.6
24.55
24.5
0
10000
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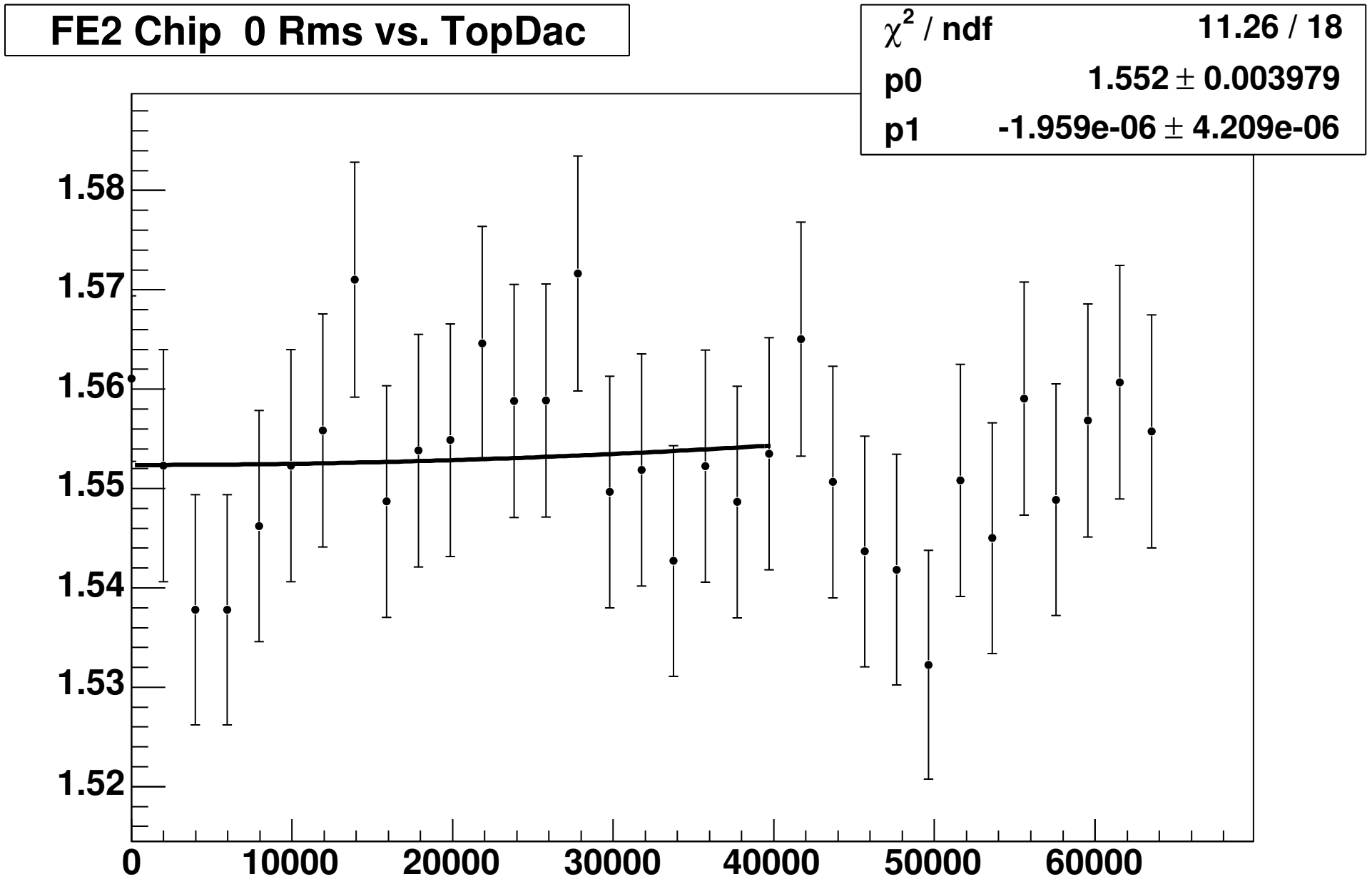
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 11.26 / 18
p0 1.552 ± 0.003979
p1 -1.959e-06 ± 4.209e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
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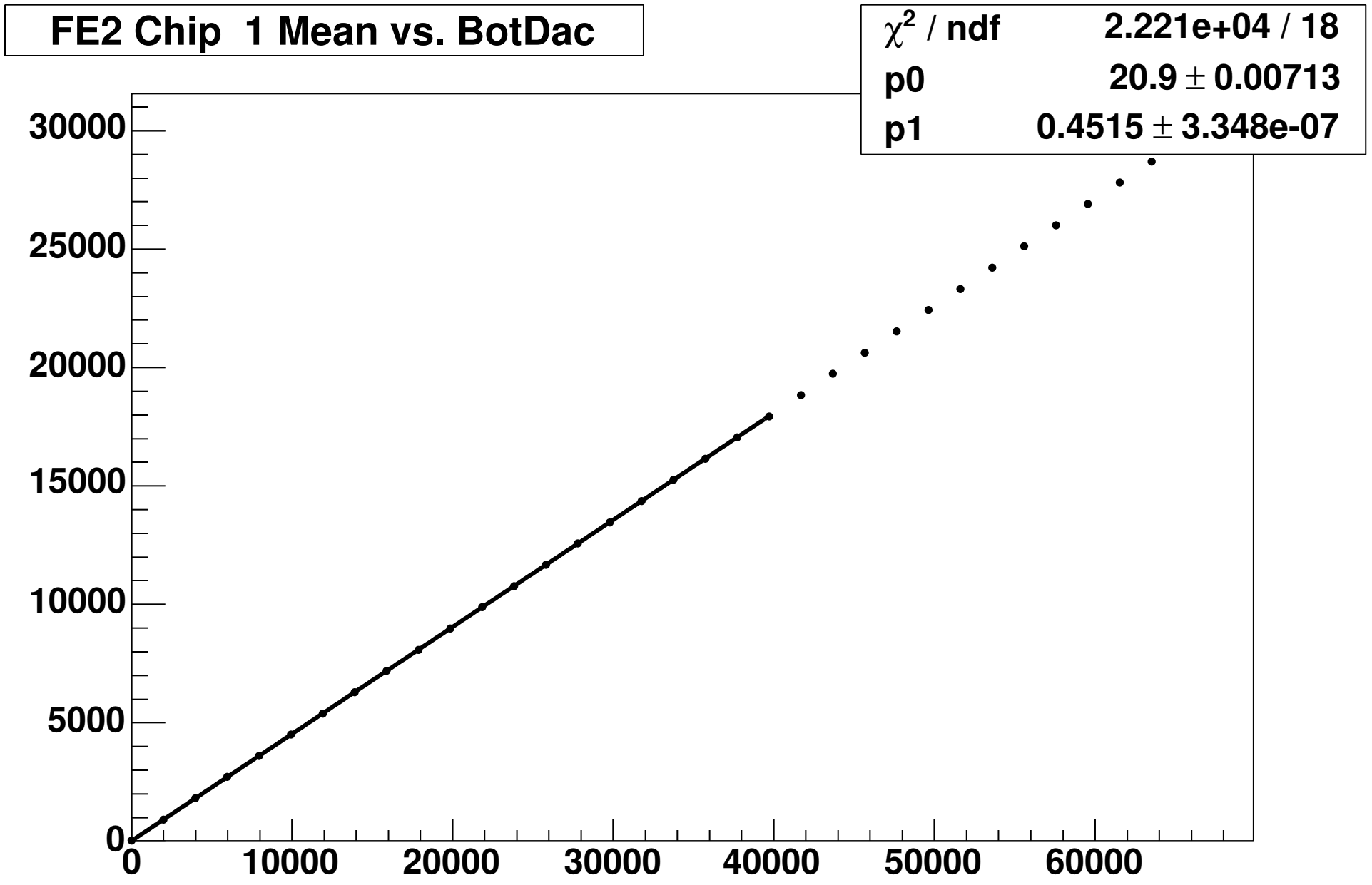
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 2.221e+04 / 18
p0 20.9 ± 0.00713
p1 0.4515 ± 3.348e-07
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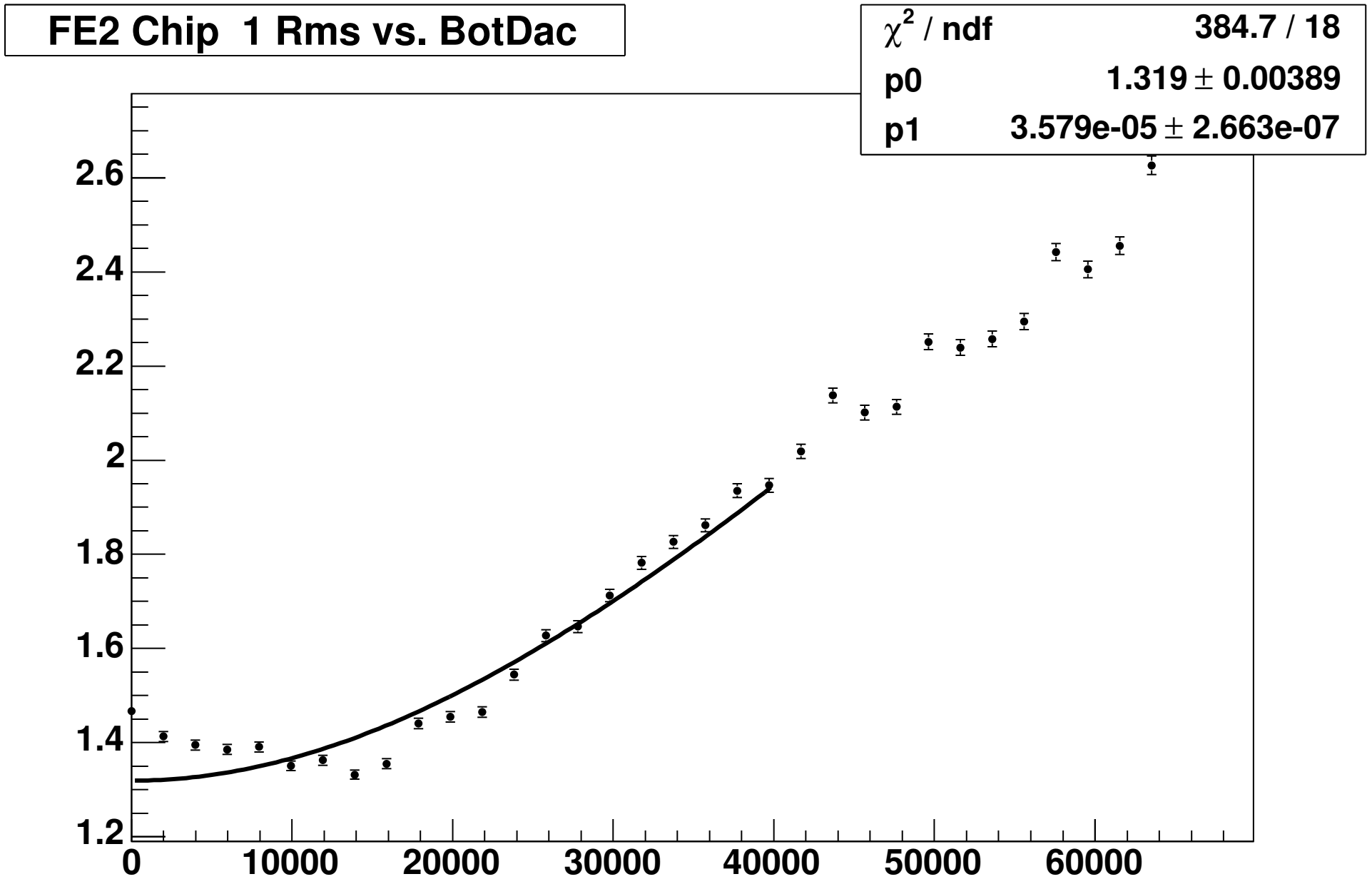
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 384.7 / 18
p0 1.319 ± 0.00389
p1 3.579e-05 ± 2.663e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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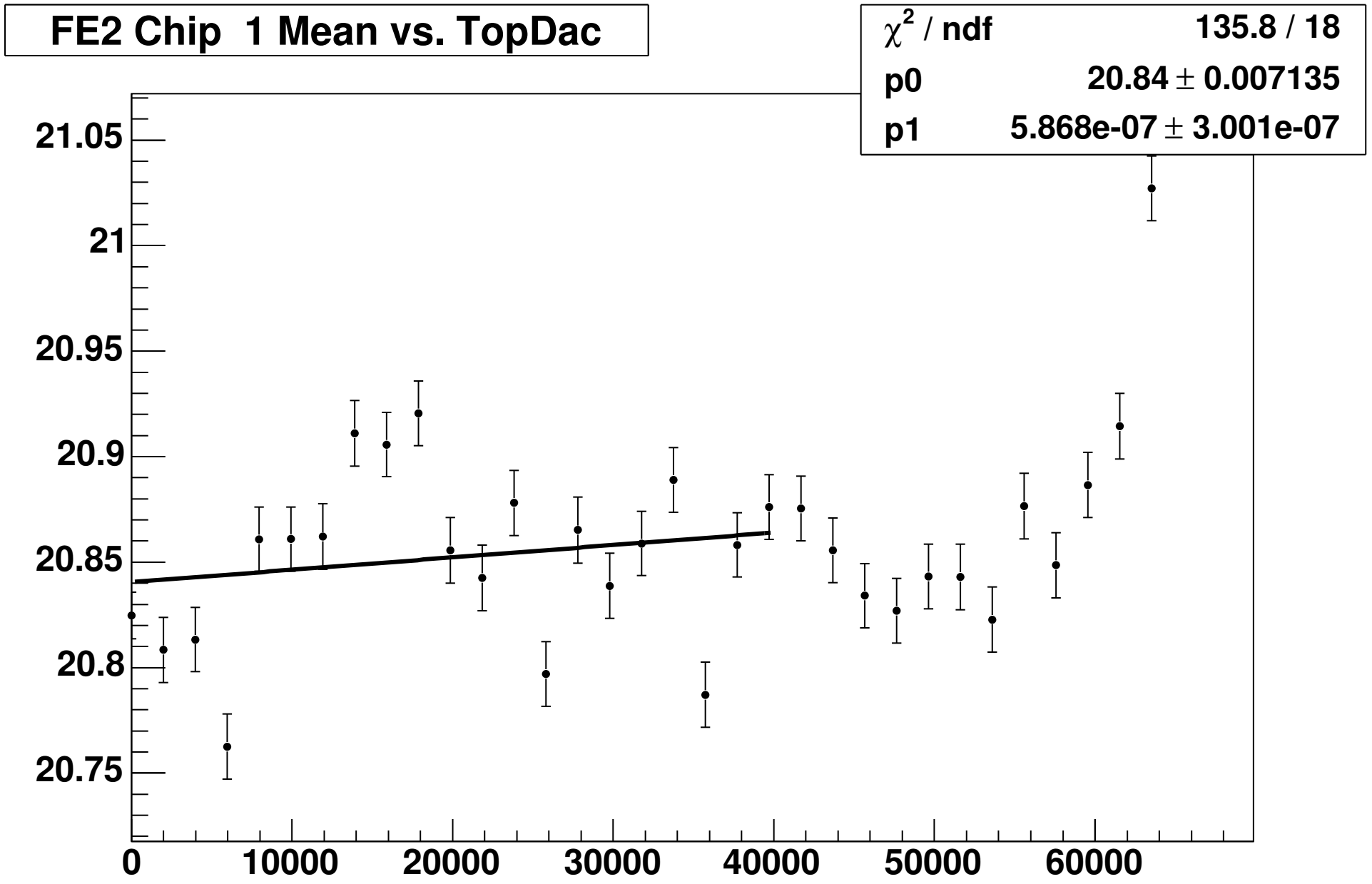
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 135.8 / 18
p0 20.84 ± 0.007135
p1 5.868e-07 ± 3.001e-07
21.05
21
20.95
20.9
20.85
20.8
20.75
0
10000
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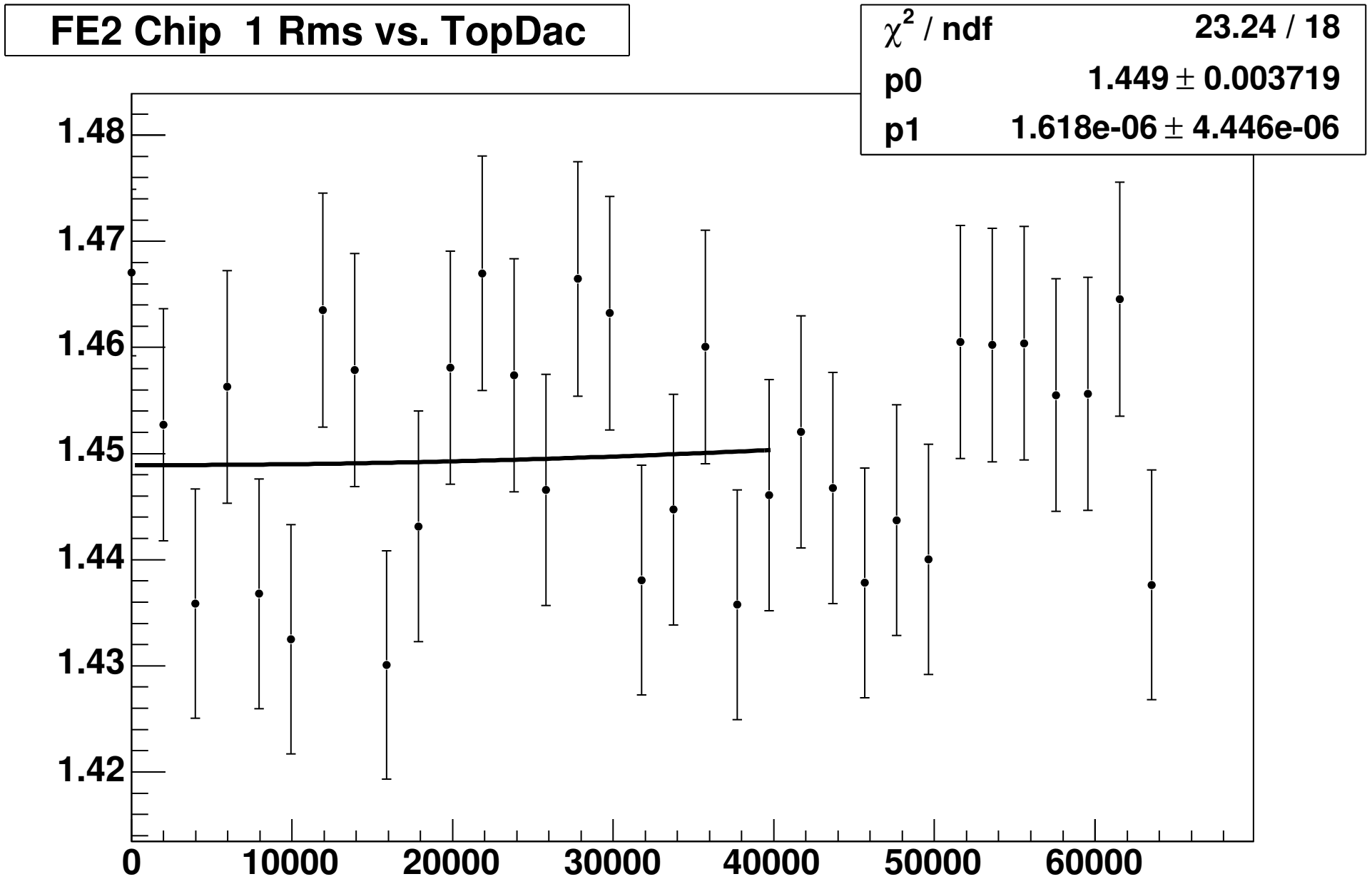
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 23.24 / 18
p0 1.449 ± 0.003719
p1 1.618e-06 ± 4.446e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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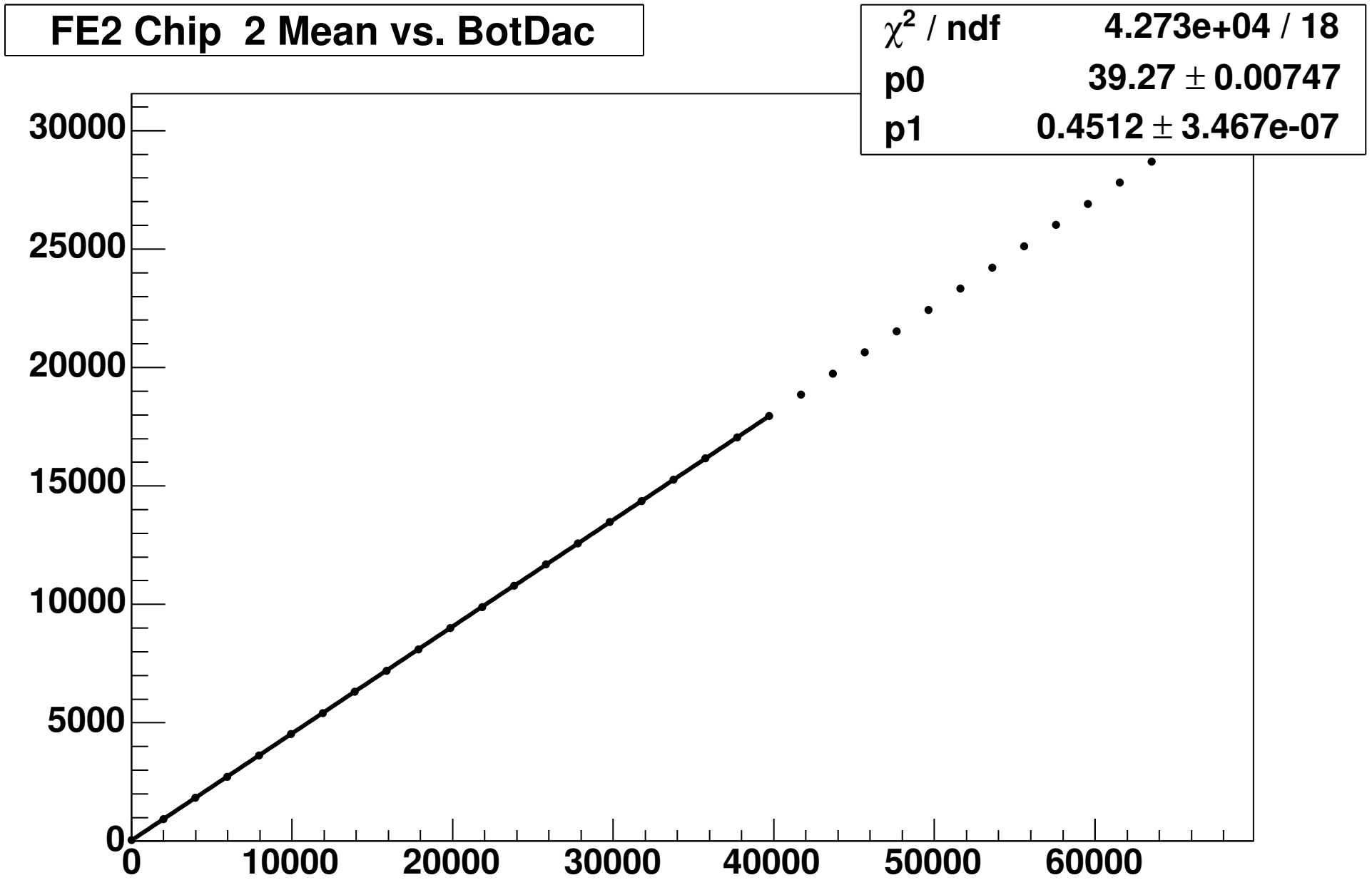
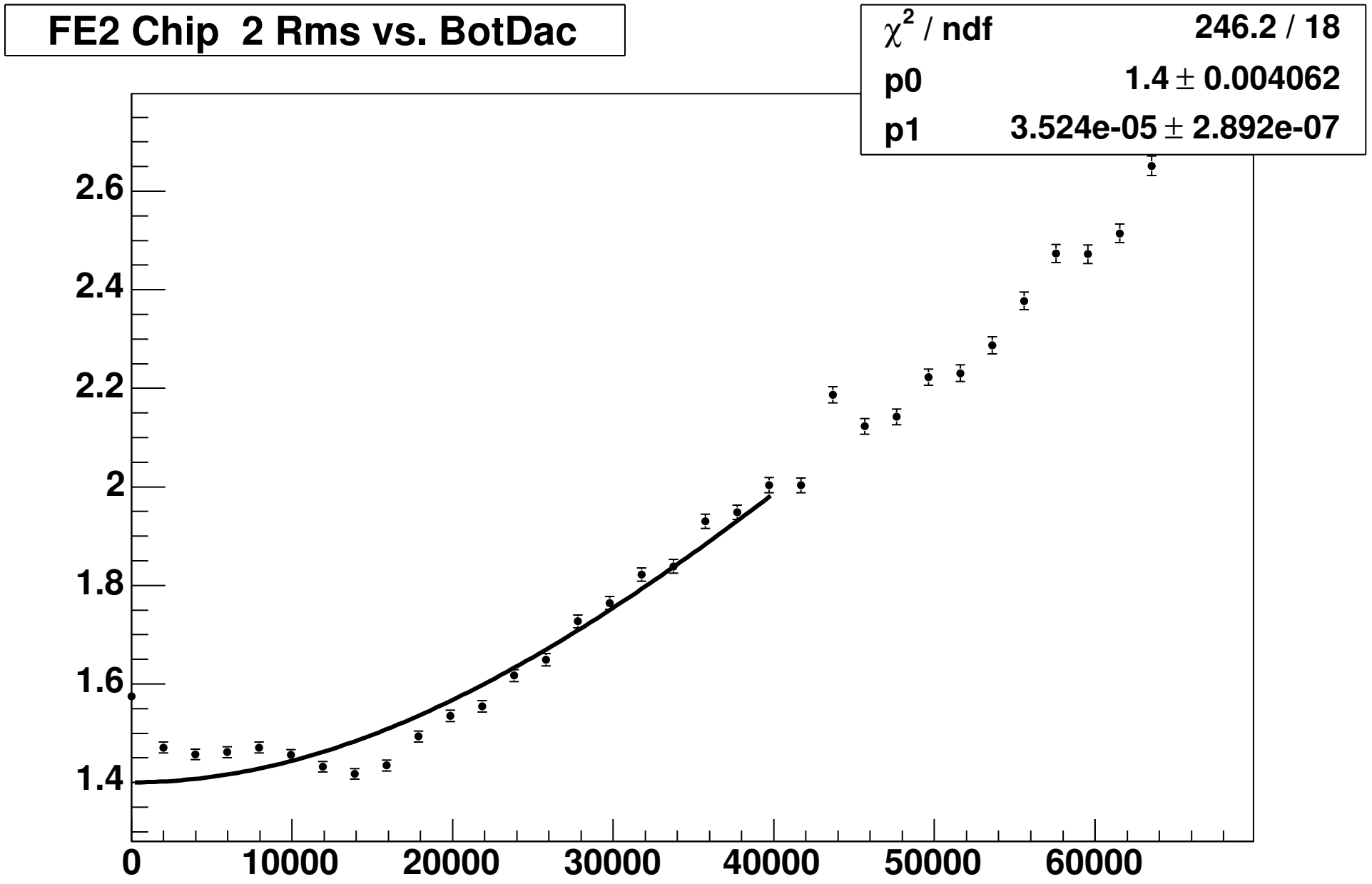
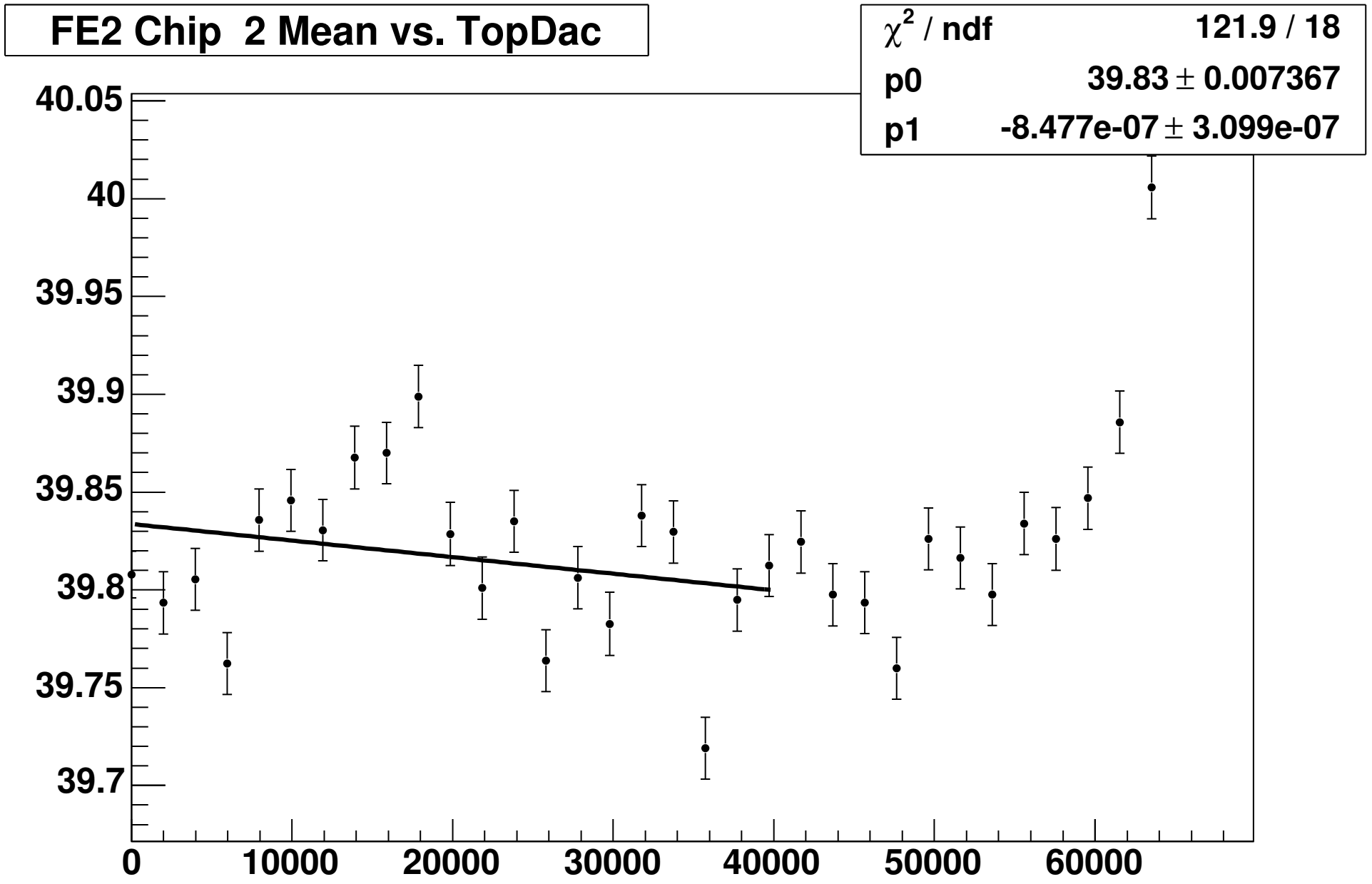
50000
60000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 4.273e+04 / 18
p0 39.27 ± 0.00747
p1 0.4512 ± 3.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 246.2 / 18
p0 1.4 ± 0.004062
p1 3.524e-05 ± 2.892e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 121.9 / 18
p0 39.83 ± 0.007367
p1 -8.477e-07 ± 3.099e-07
40.05
40
39.95
39.9
39.85
39.8
39.75
39.7
0
10000
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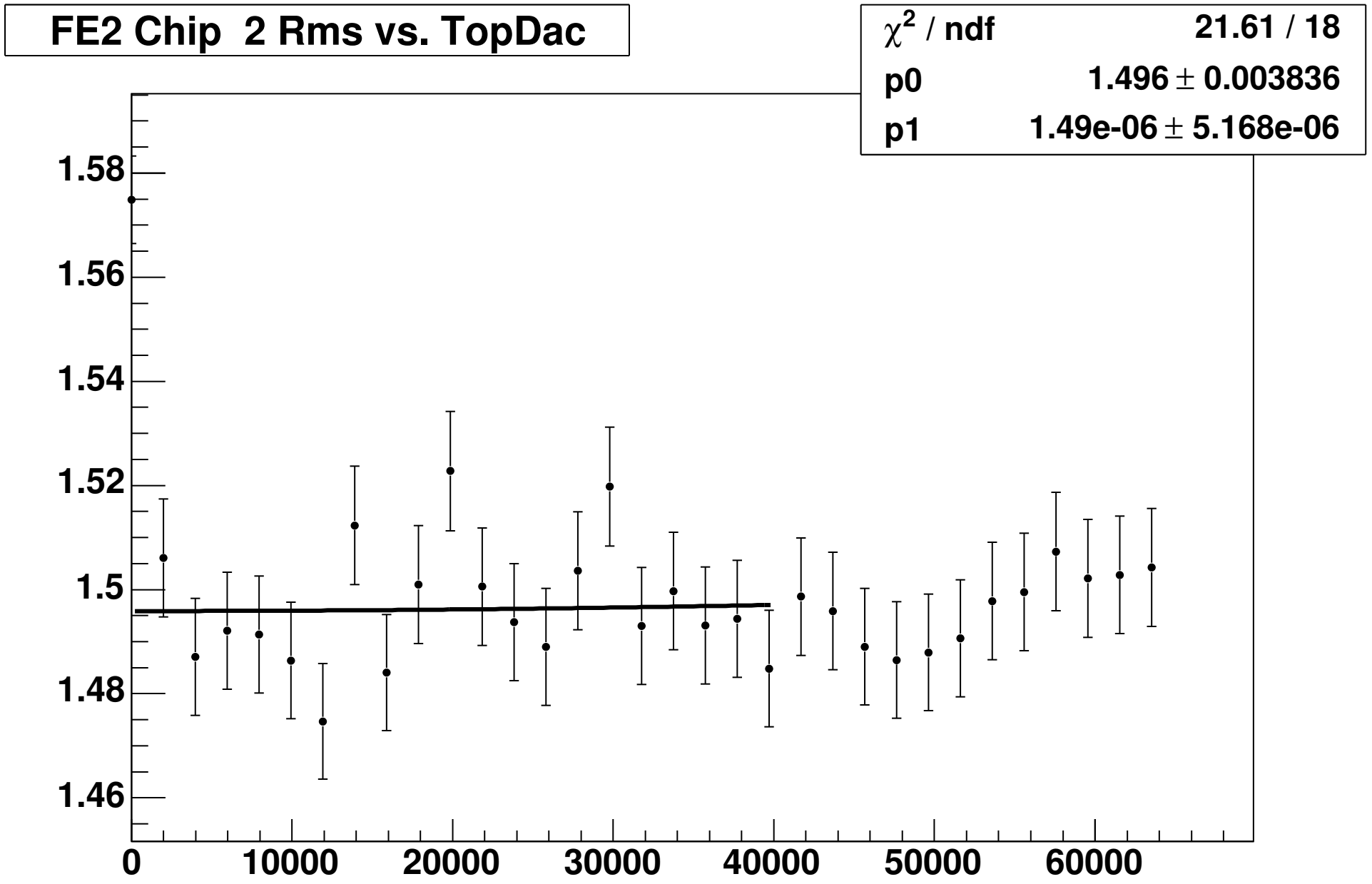
40000
50000
60000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 21.61 / 18
p0 1.496 ± 0.003836
p1 1.49e-06 ± 5.168e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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50000
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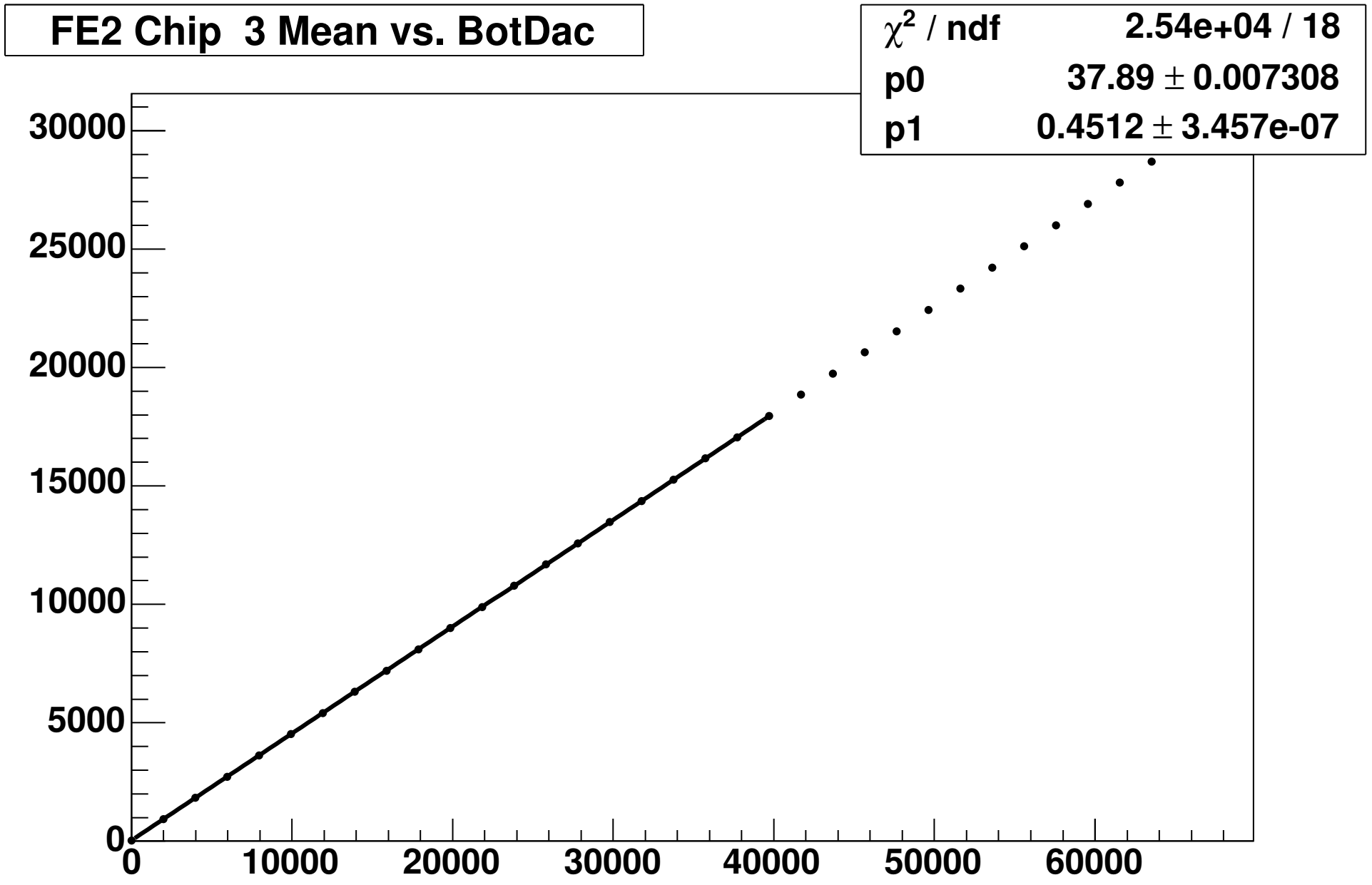
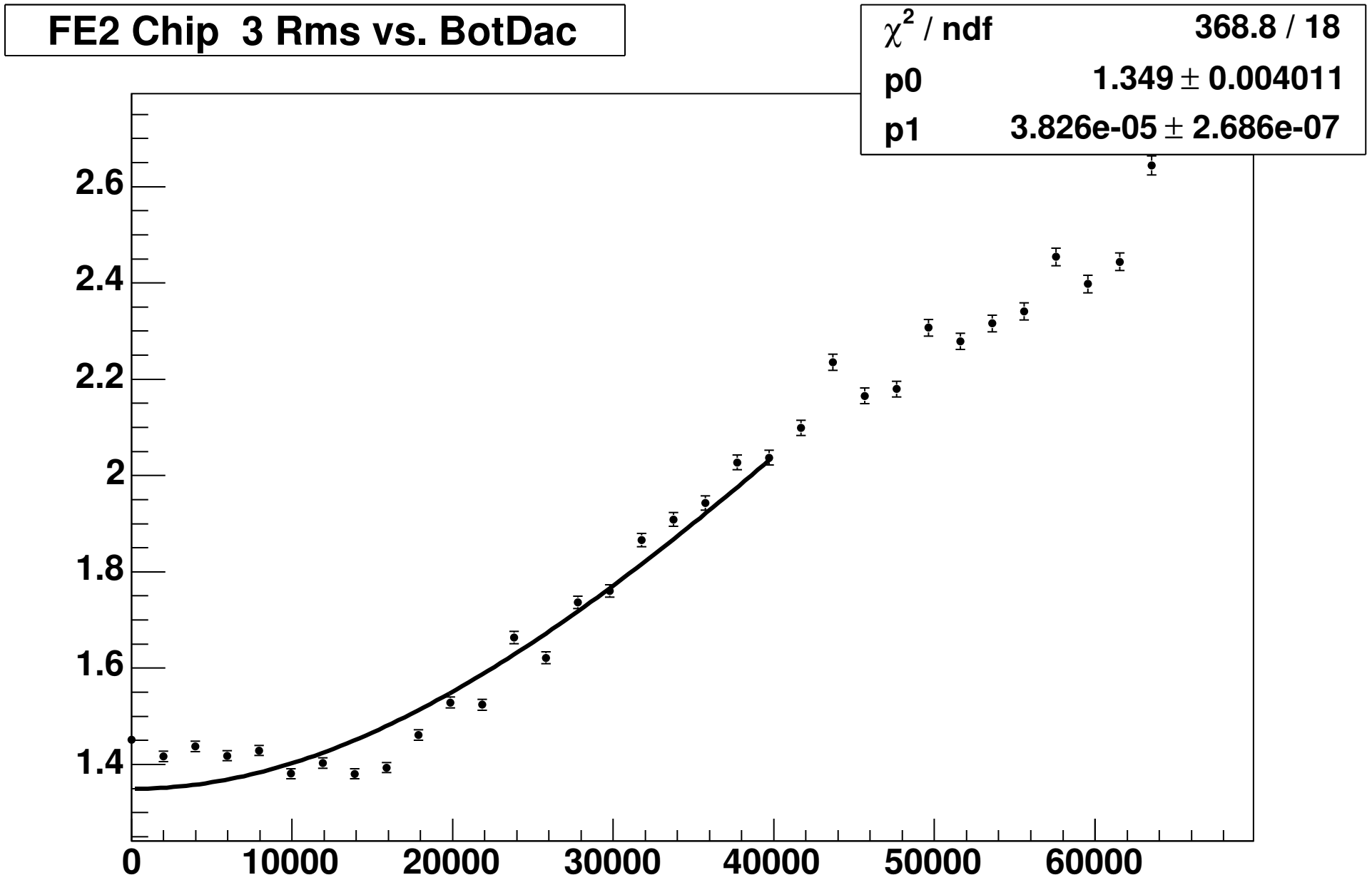
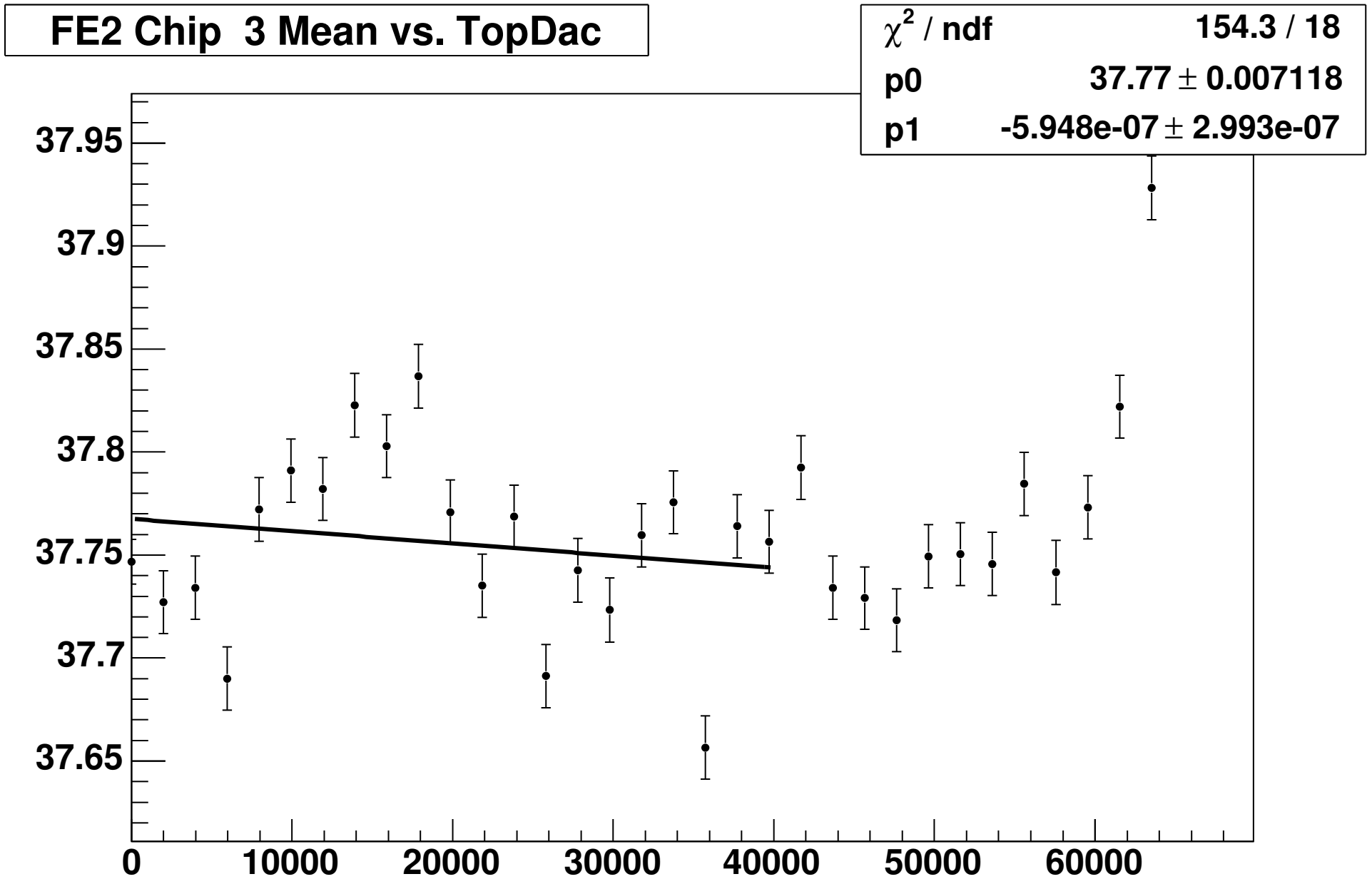
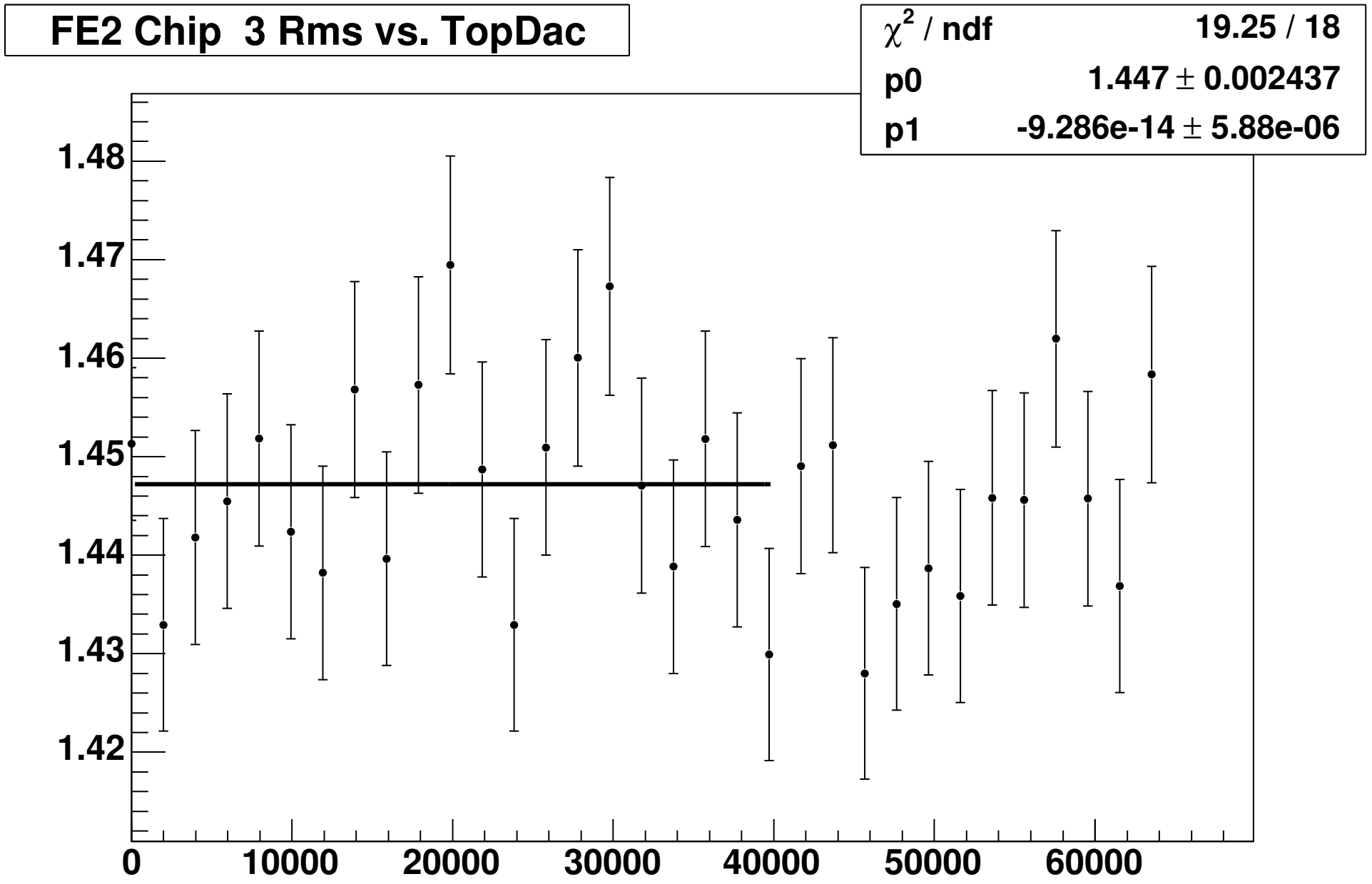
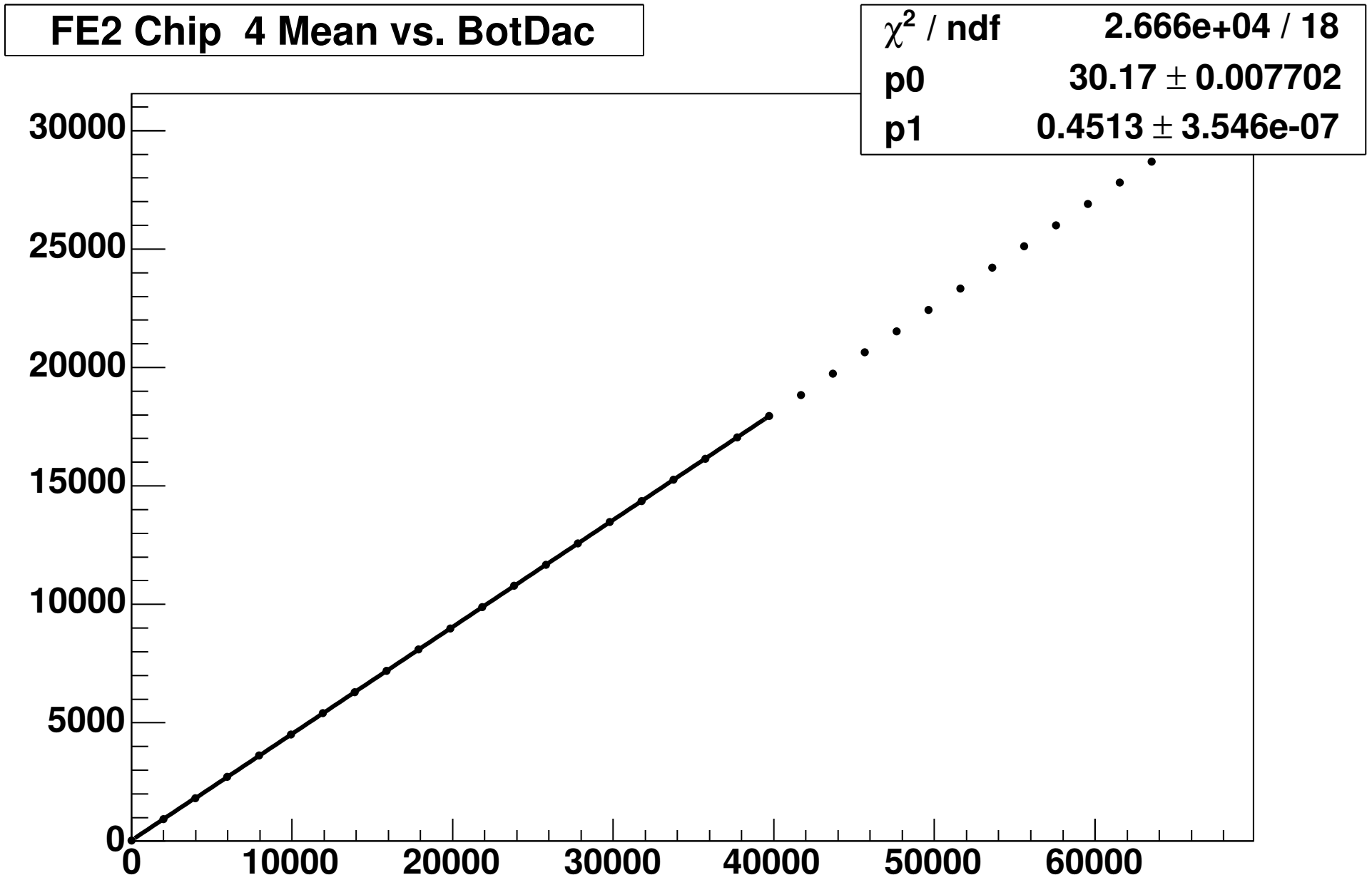
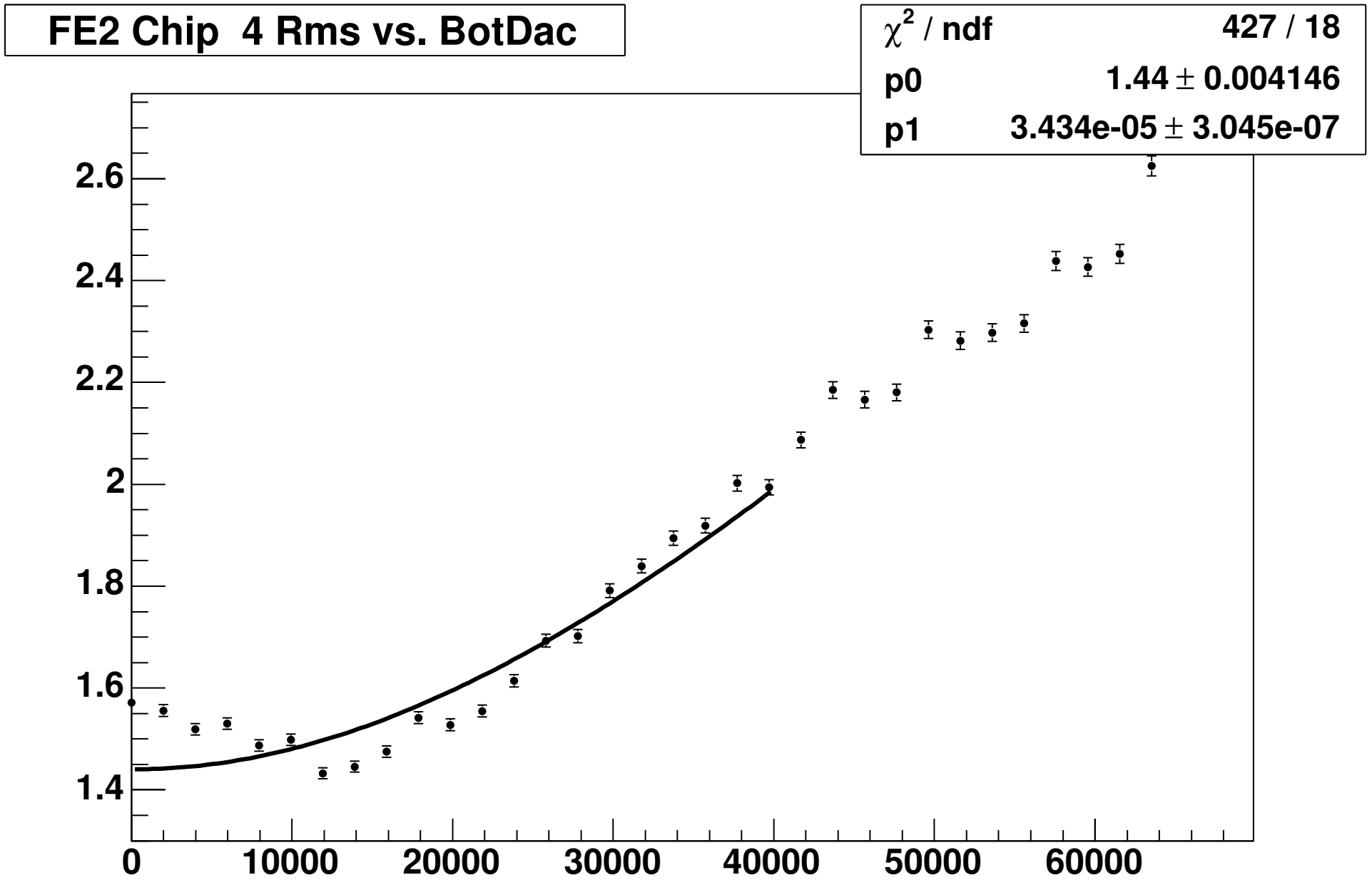

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 2.54e+04 / 18
p0 37.89 ± 0.007308
p1 0.4512 ± 3.457e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

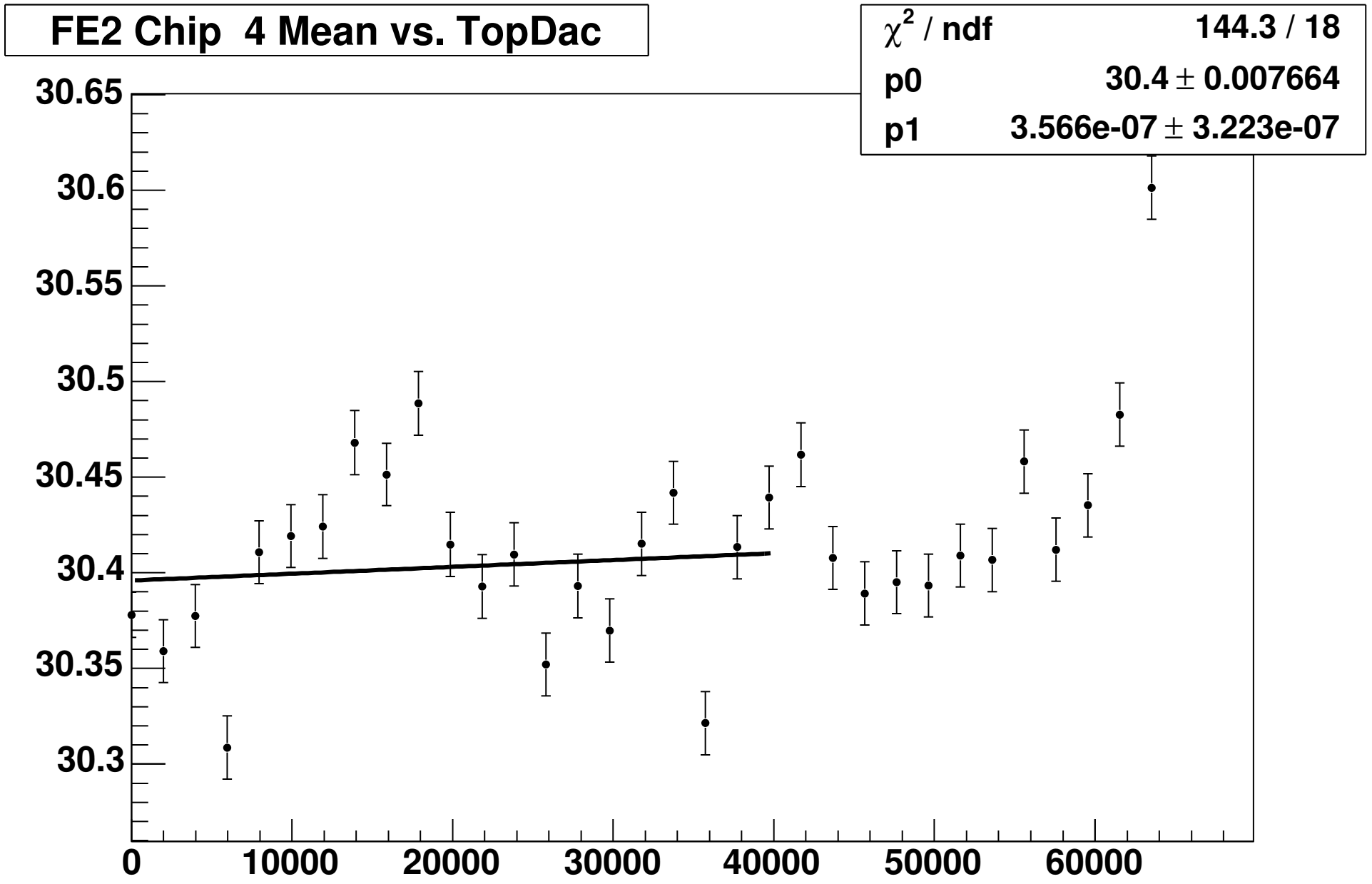

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 368.8 / 18
p0 1.349 ± 0.004011
p1 3.826e-05 ± 2.686e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

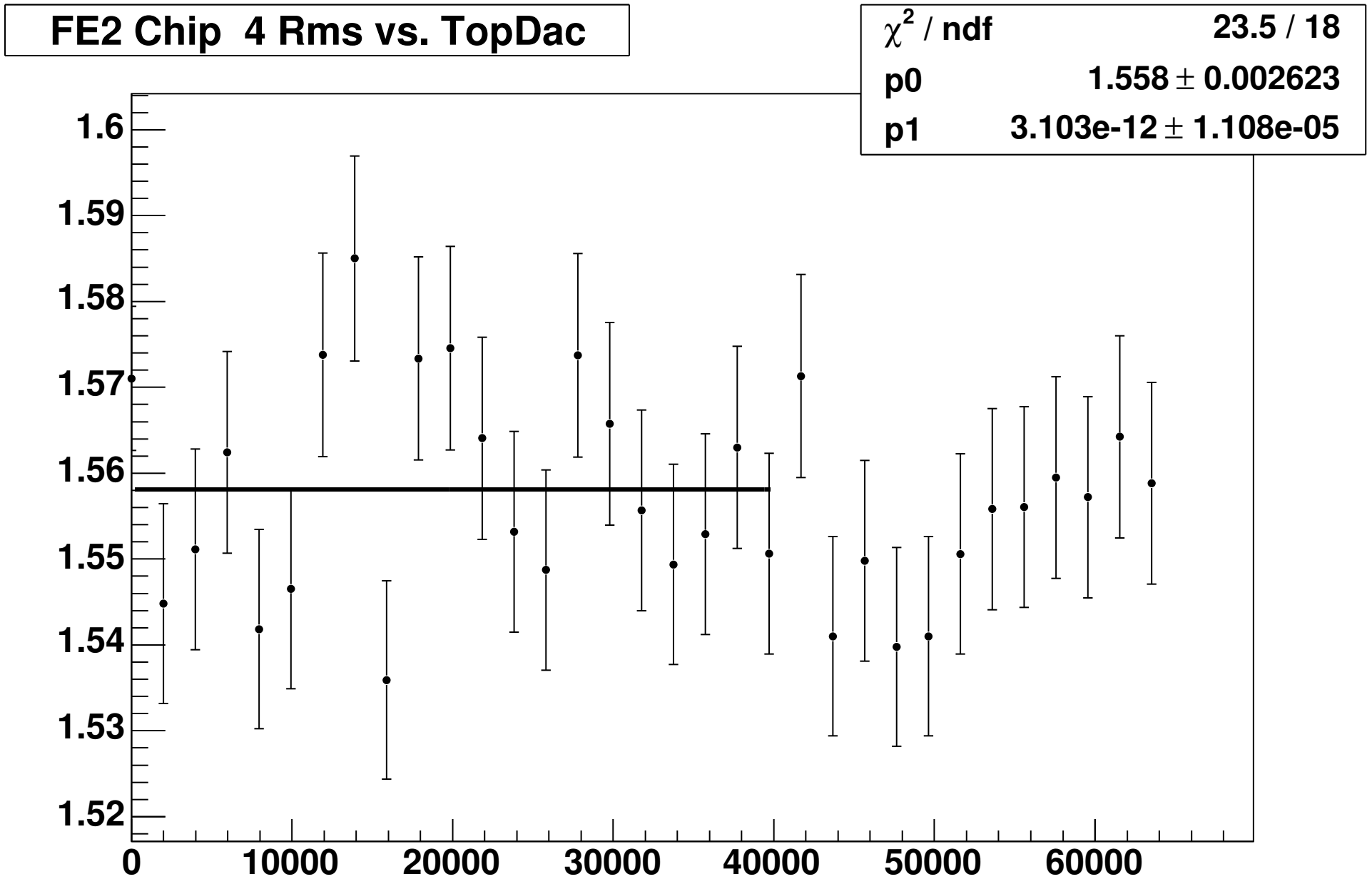

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 154.3 / 18
p0 37.77 ± 0.007118
p1 -5.948e-07 ± 2.993e-07
37.95
37.9
37.85
37.8
37.75
37.7
37.65
0
10000
20000
30000
40000
50000
60000

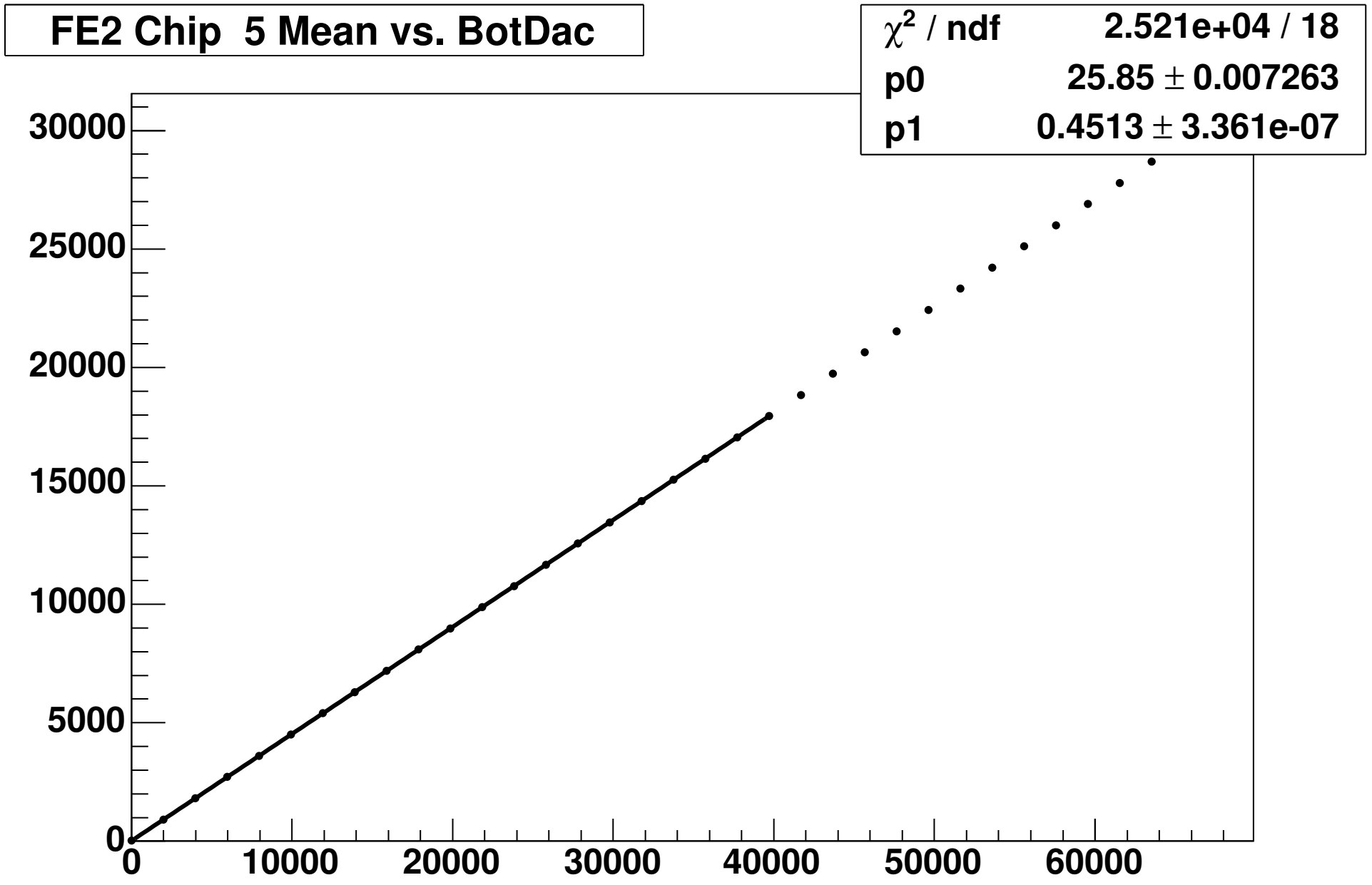

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 19.25 / 18
p0 1.447 ± 0.002437
p1 -9.286e-14 ± 5.88e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

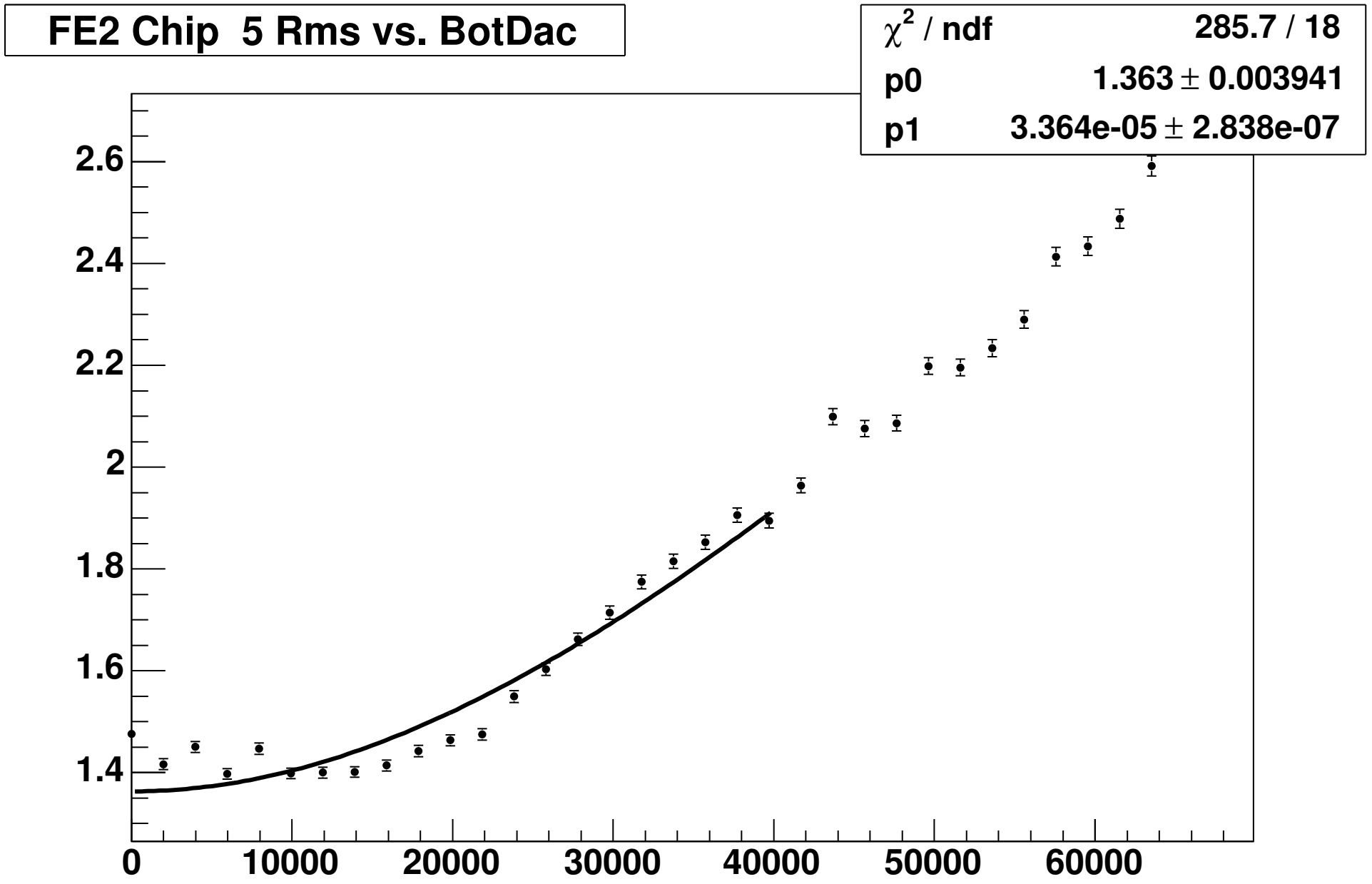

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 2.666e+04 / 18
p0 30.17 ± 0.007702
p1 0.4513 ± 3.546e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

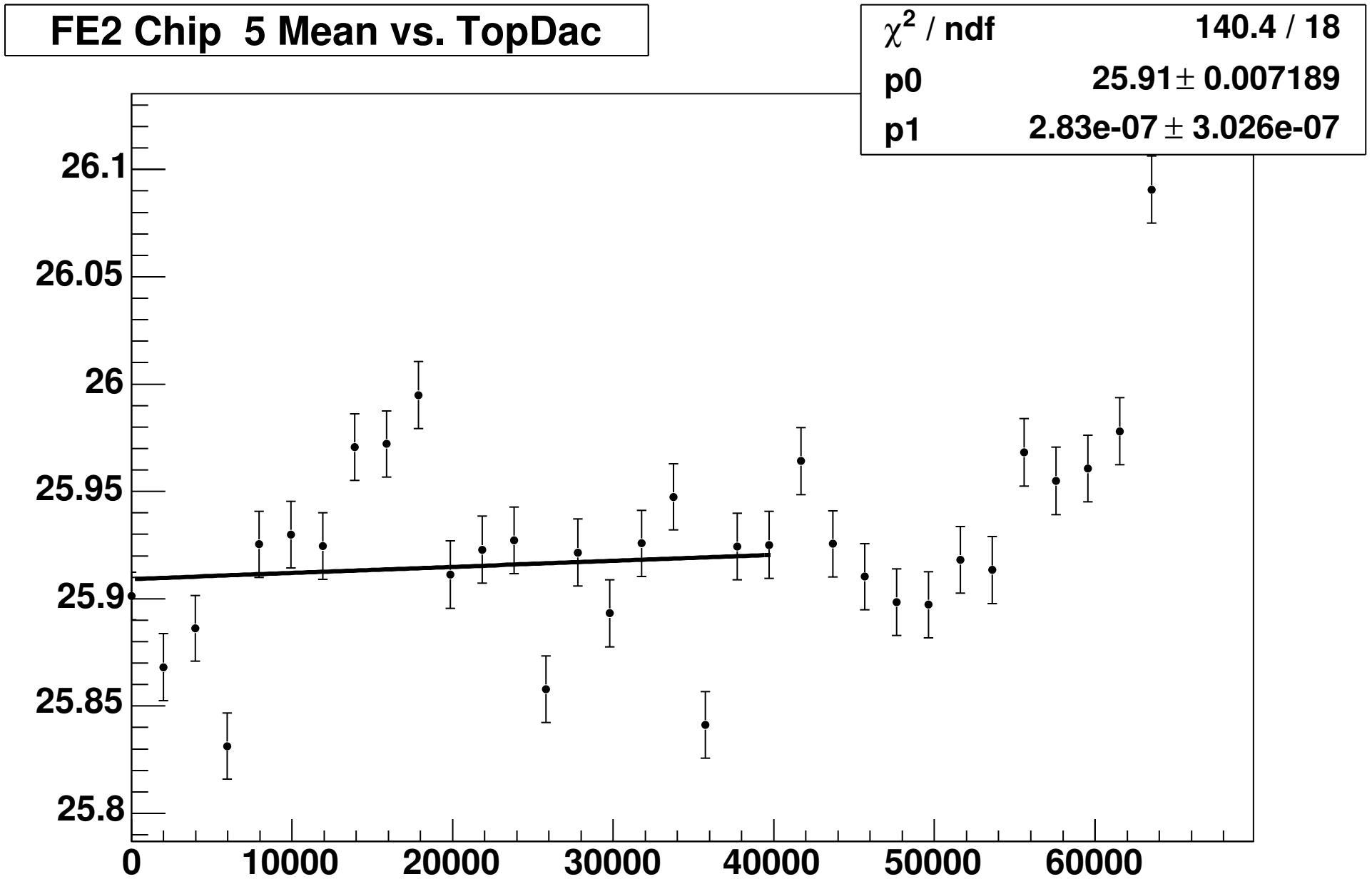

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 427 / 18
p0 1.44 ± 0.004146
p1 3.434e-05 ± 3.045e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

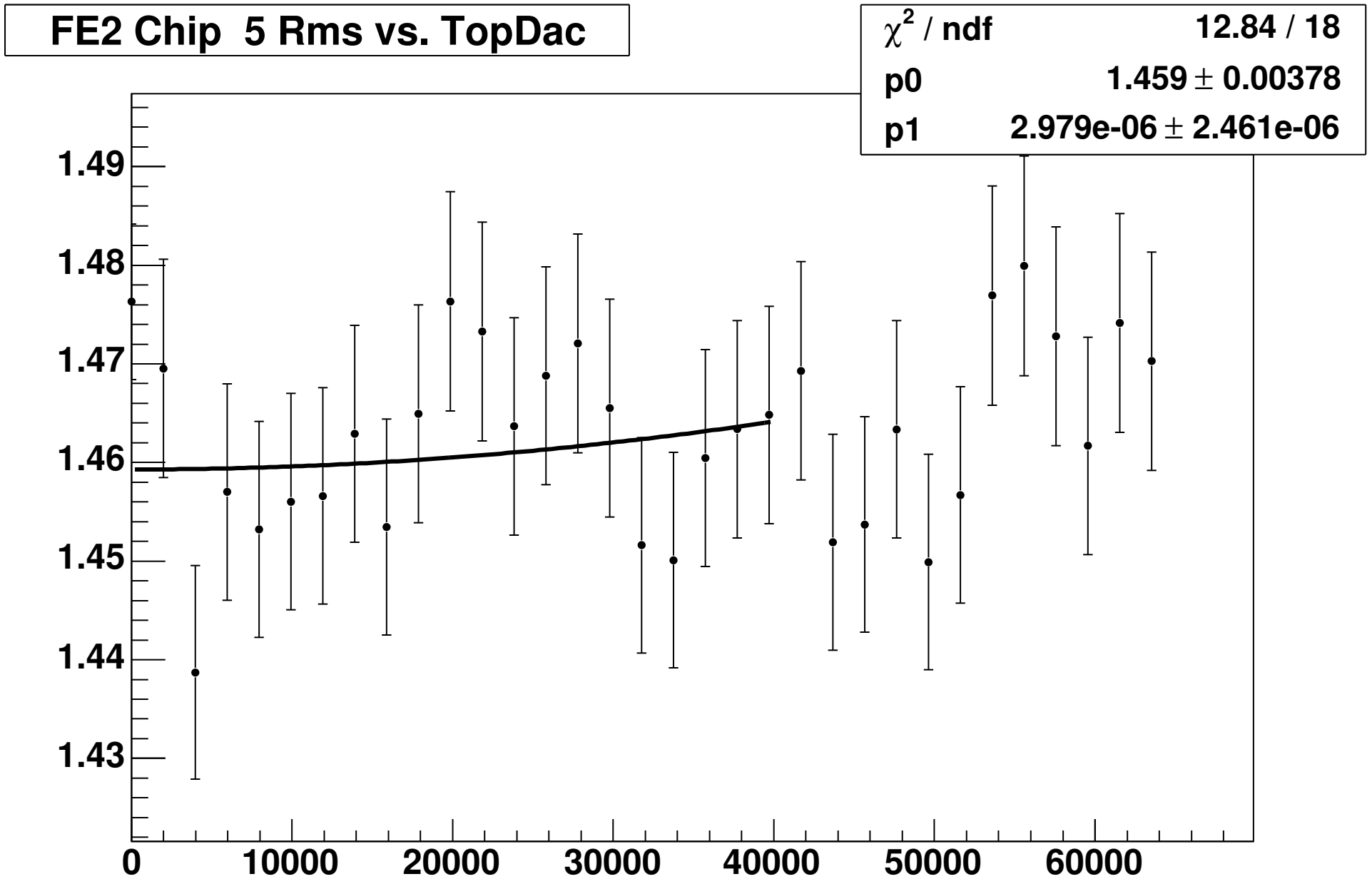

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 144.3 / 18
p0 30.4 ± 0.007664
p1 3.566e-07 ± 3.223e-07
30.65
30.6
30.55
30.5
30.45
30.4
30.35
30.3
0
10000
20000
30000
40000
50000
60000

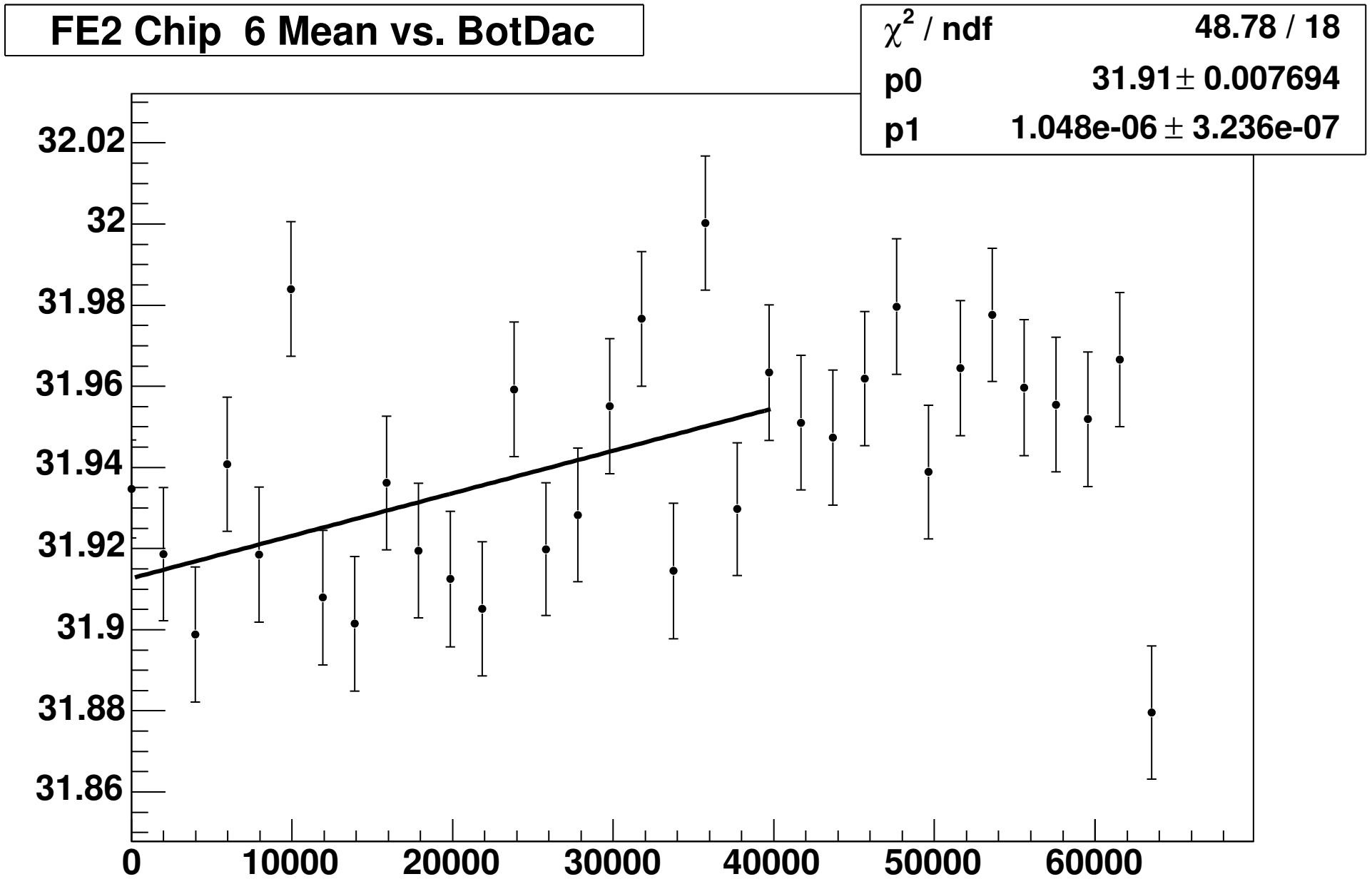

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 23.5 / 18
p0 1.558 ± 0.002623
p1 3.103e-12 ± 1.108e-05
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000

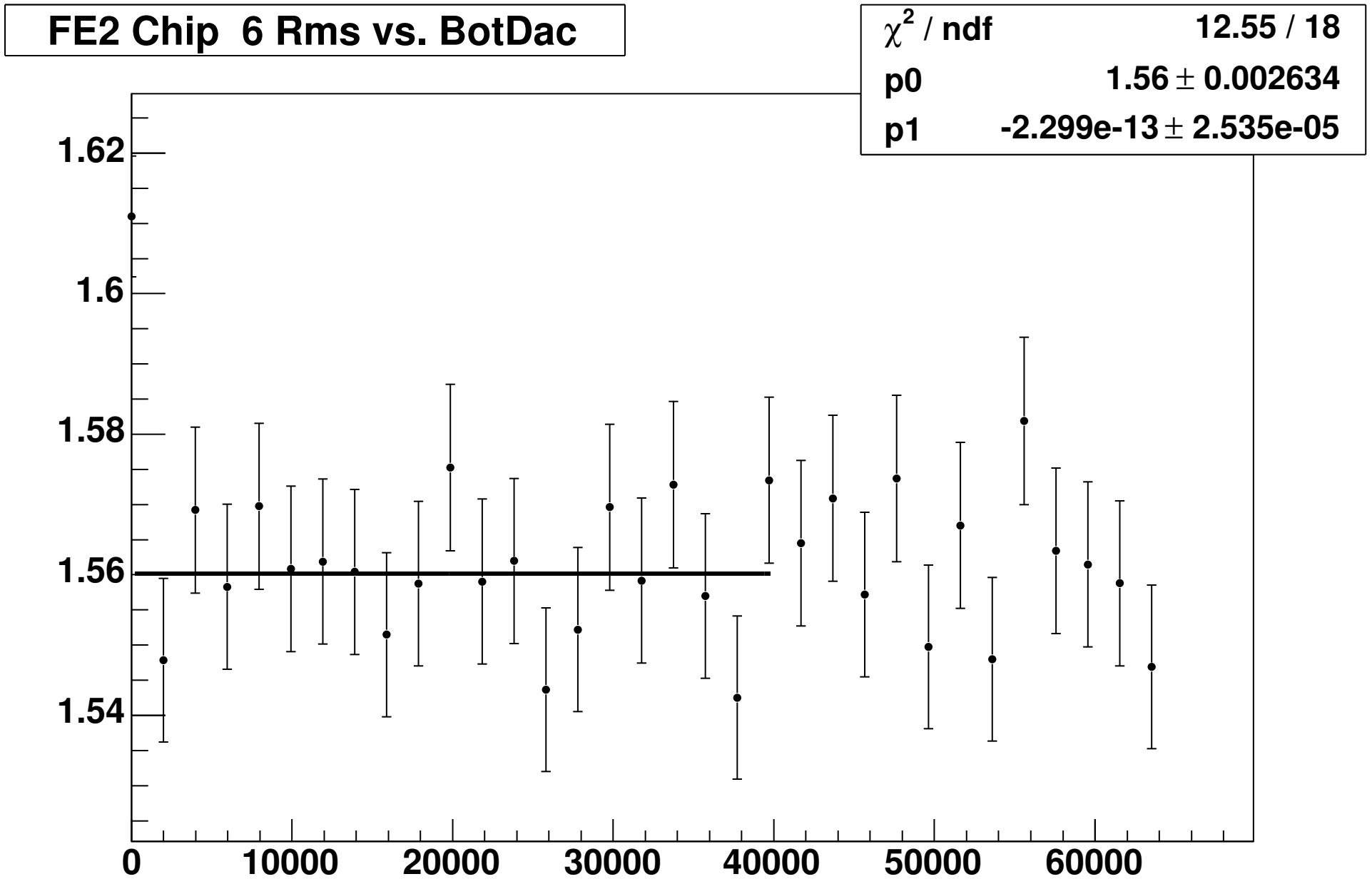

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 2.521e+04 / 18
p0 25.85 ± 0.007263
p1 0.4513 ± 3.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

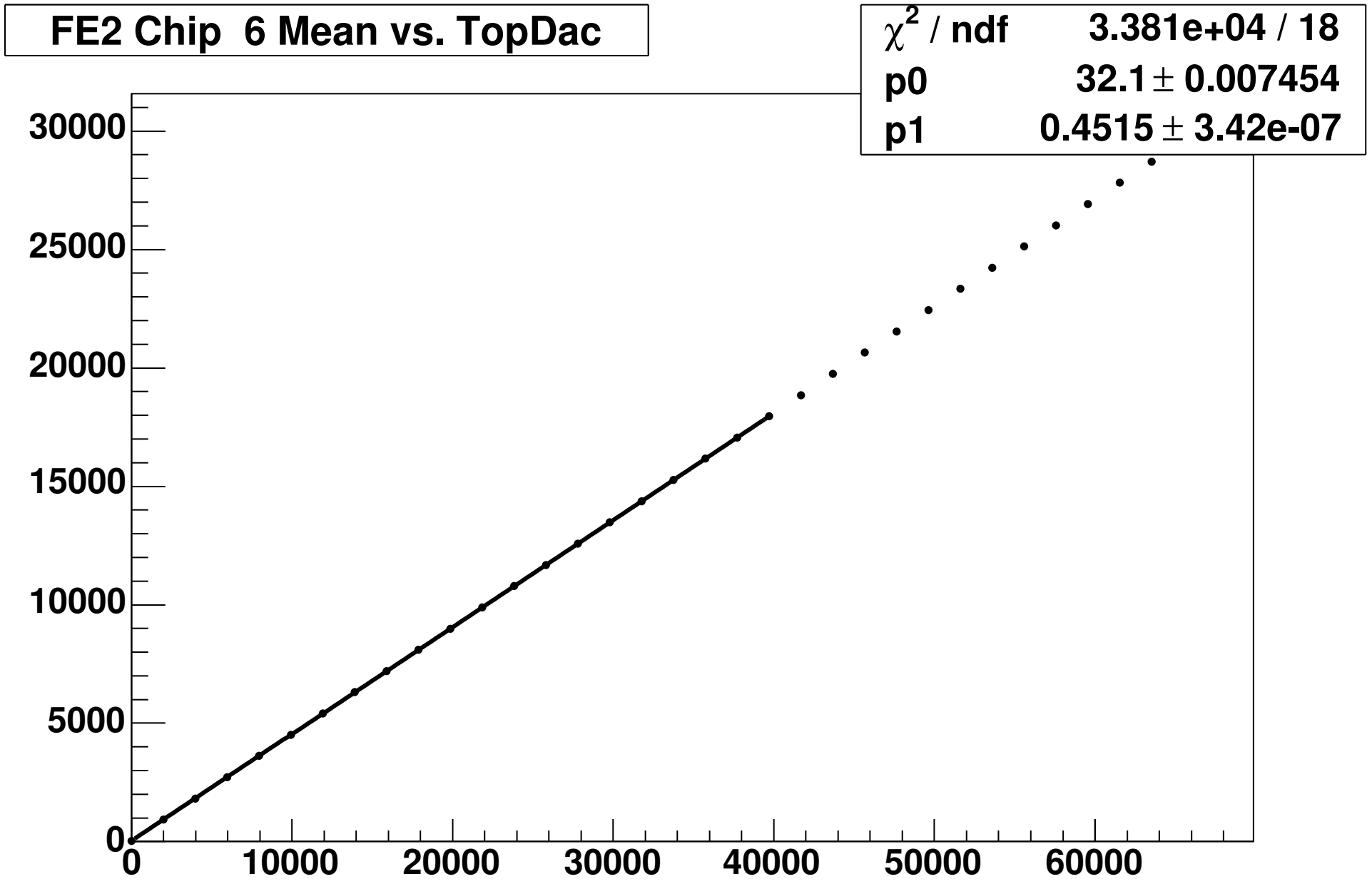

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 285.7 / 18
p0 1.363 ± 0.003941
p1 3.364e-05 ± 2.838e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

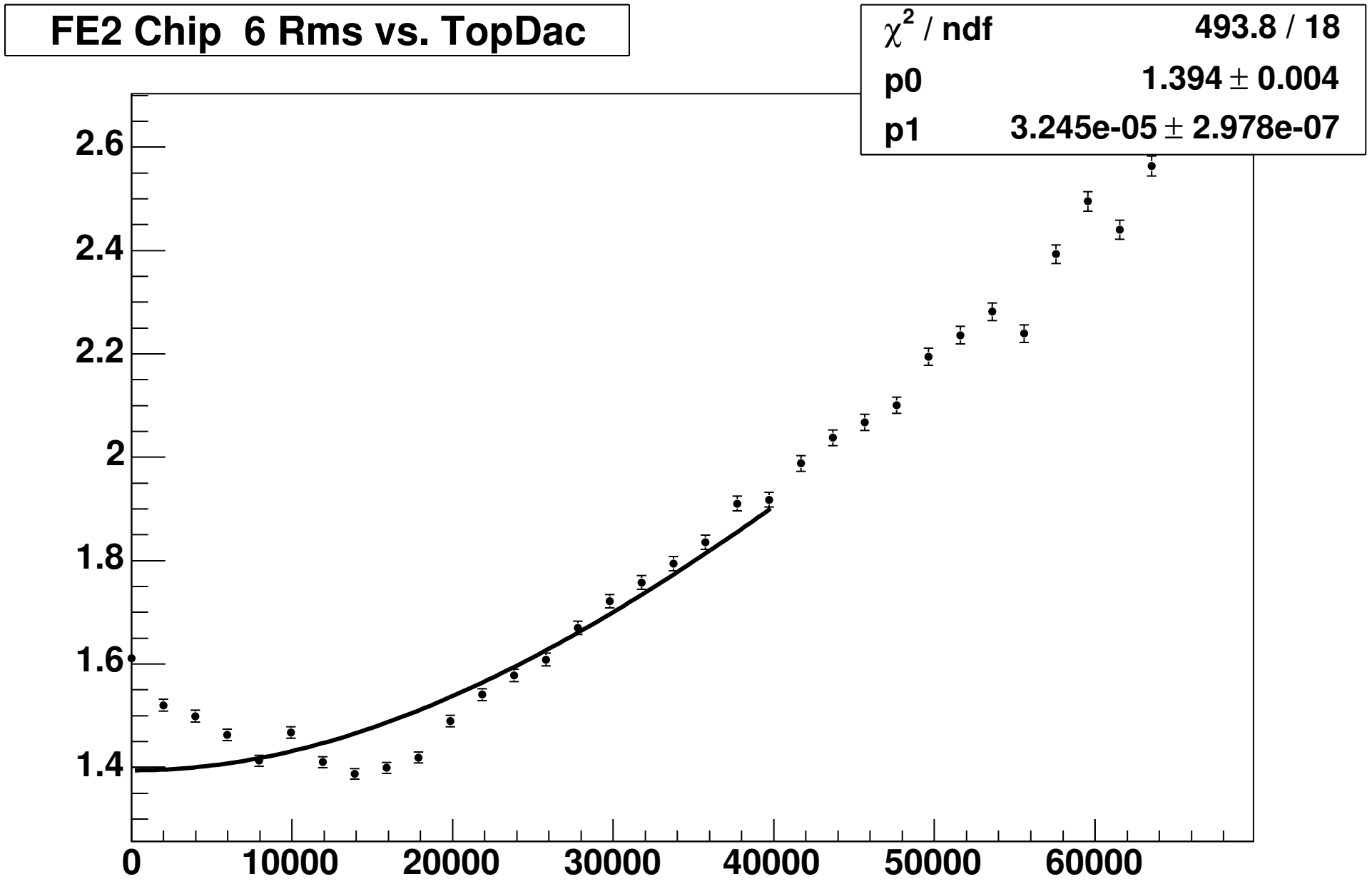

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 140.4 / 18
p0 25.91 ± 0.007189
p1 2.83e-07 ± 3.026e-07
26.1
26.05
26
25.95
25.9
25.85
25.8
0
10000
20000
30000
40000
50000
60000

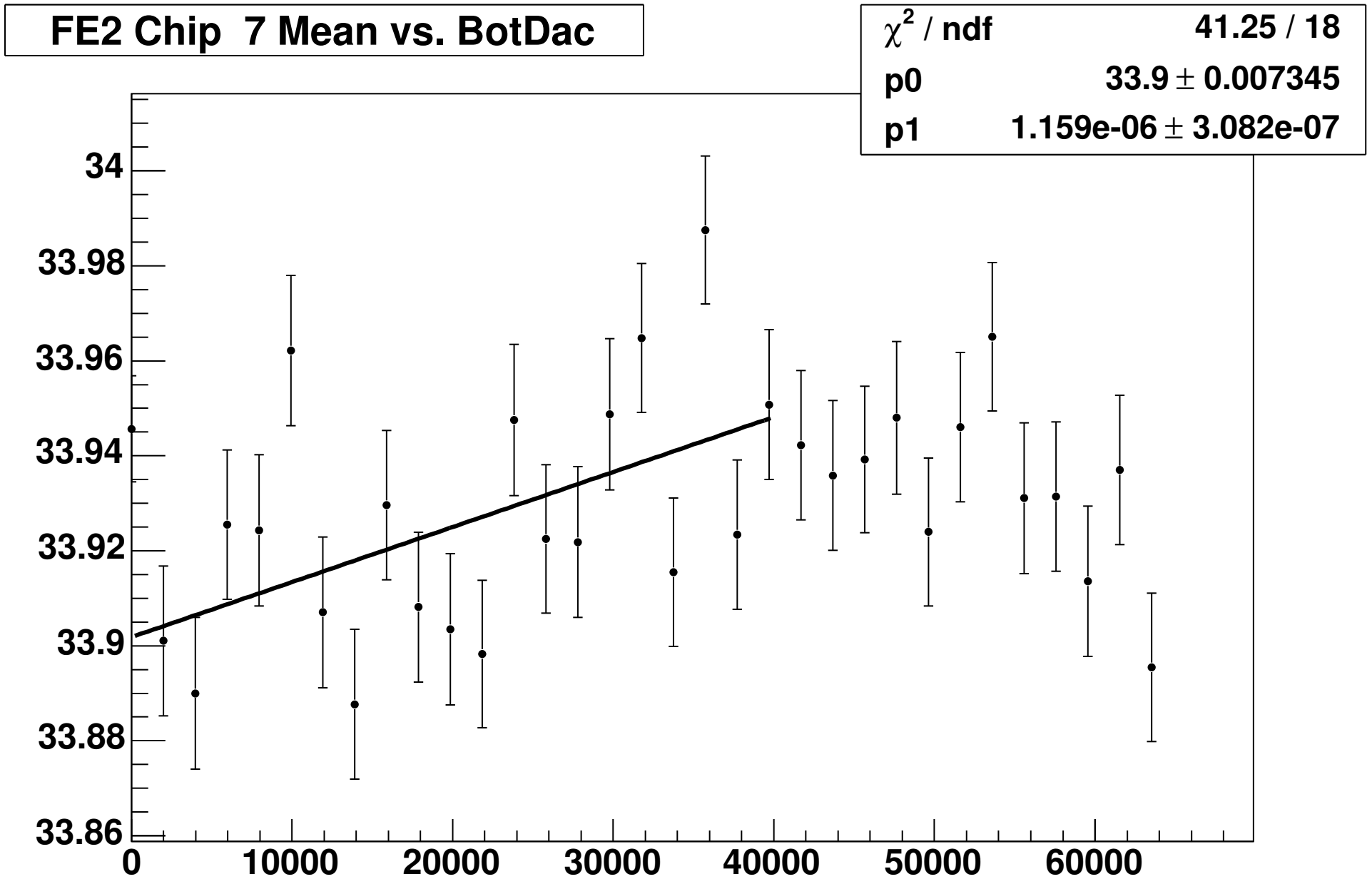

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 12.84 / 18
p0 1.459 ± 0.00378
p1 2.979e-06 ± 2.461e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

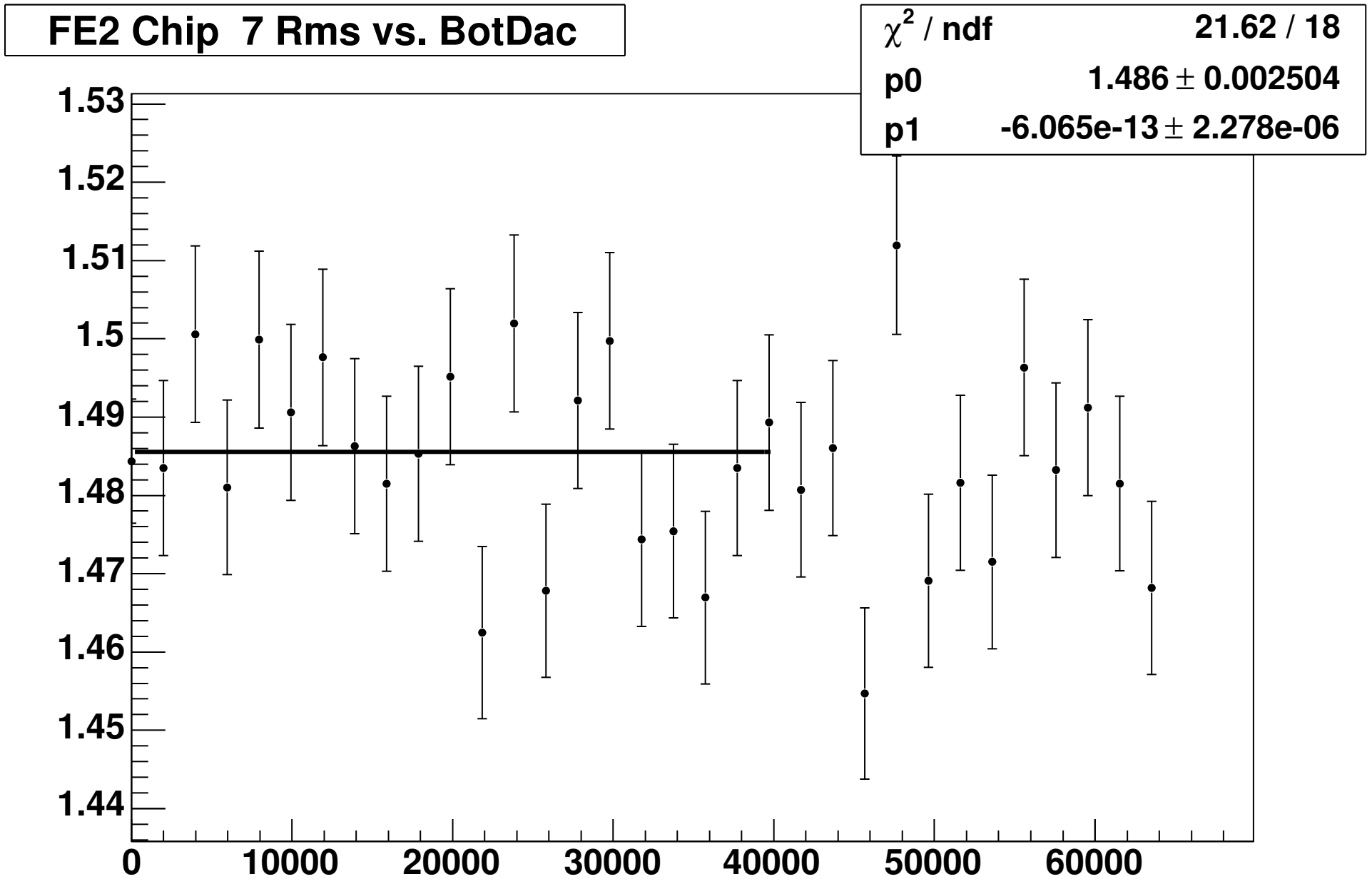

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 48.78 / 18
p0 31.91 ± 0.007694
p1 1.048e-06 ± 3.236e-07
32.02
32
31.98
31.96
31.94
31.92
31.9
31.88
31.86
0
10000
20000
30000
40000
50000
60000

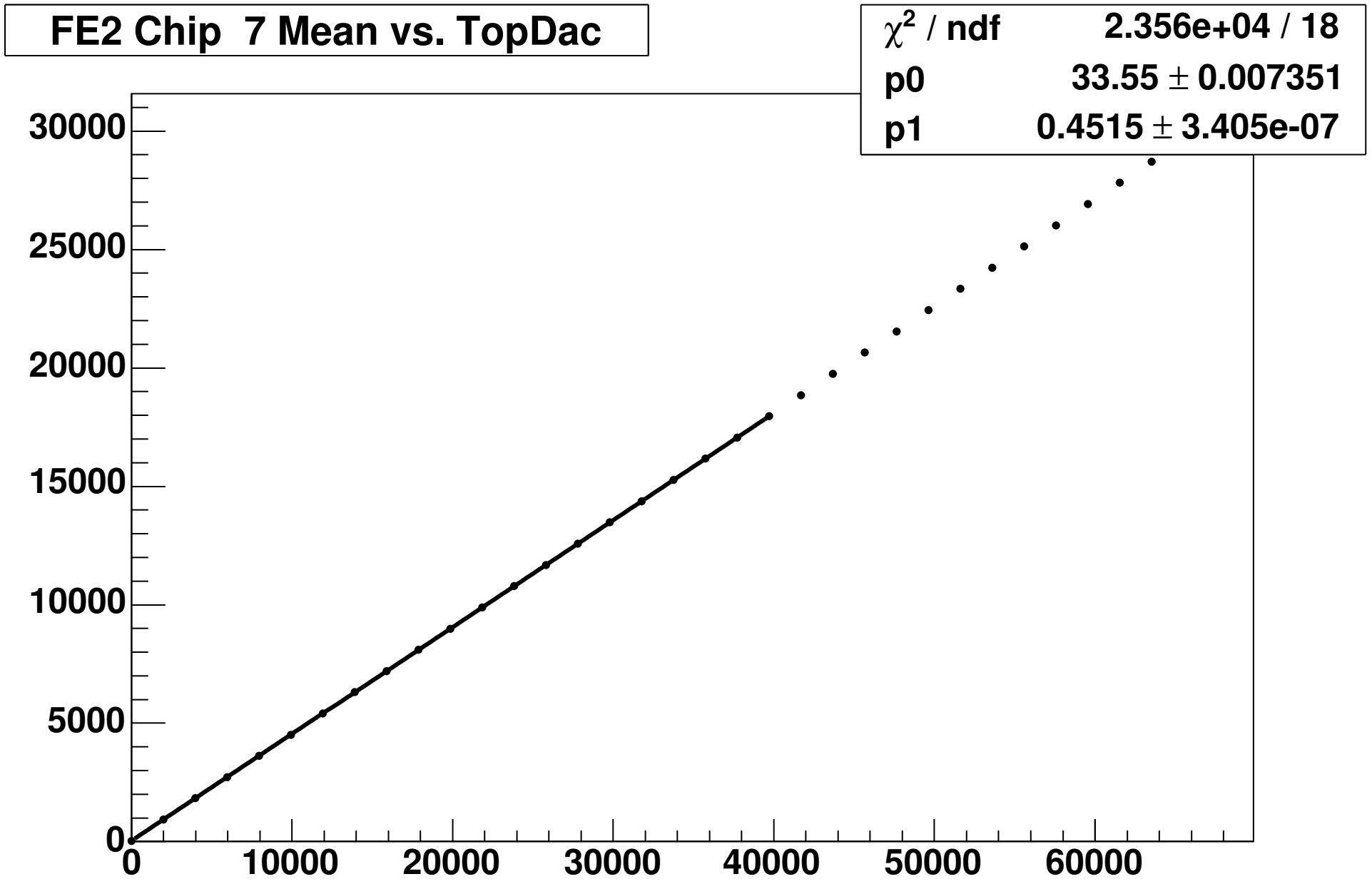

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 12.55 / 18
p0 1.56 ± 0.002634
p1 -2.299e-13 ± 2.535e-05
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000

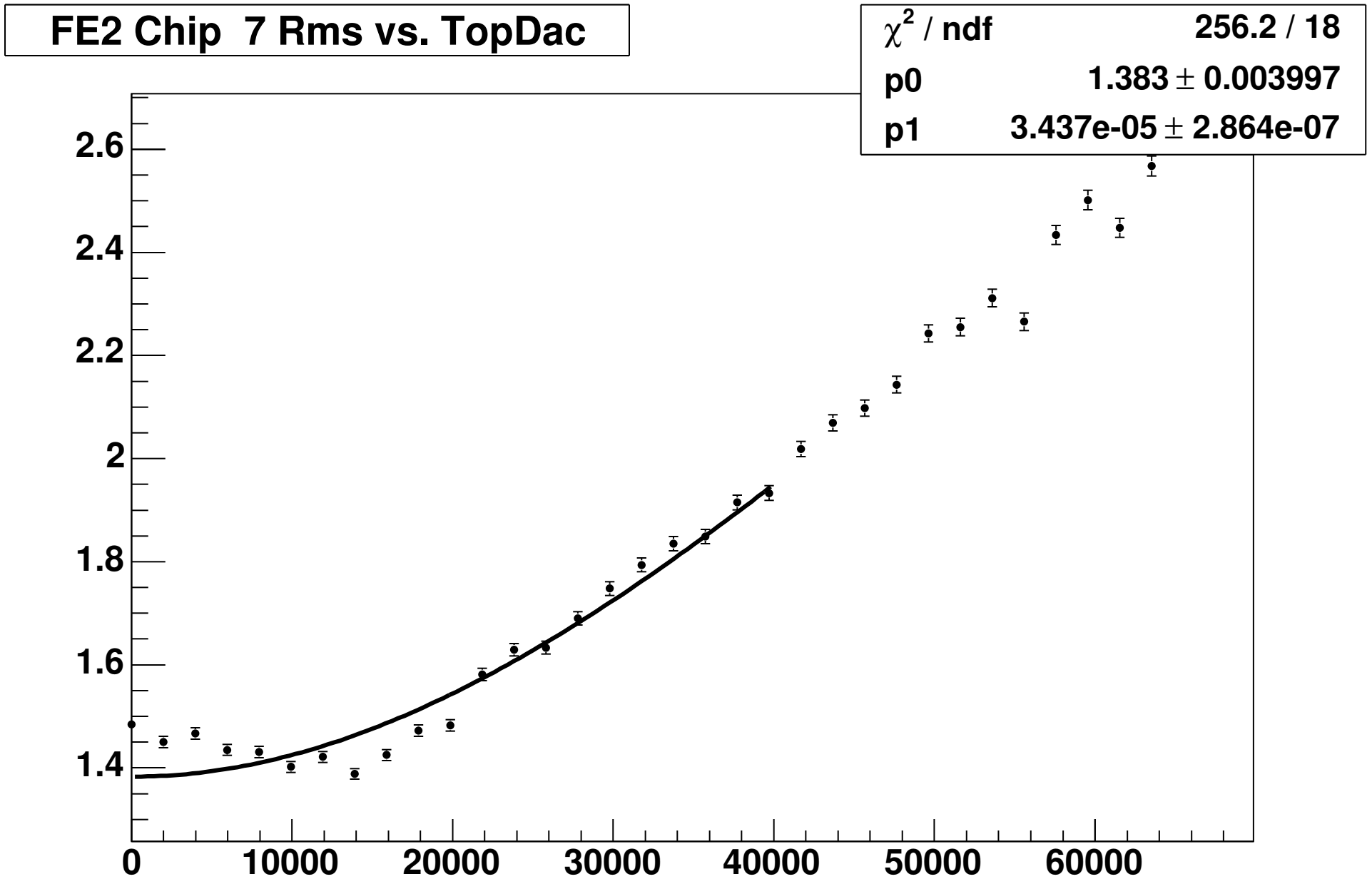

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 3.381e+04 / 18
p0 32.1 ± 0.007454
p1 0.4515 ± 3.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

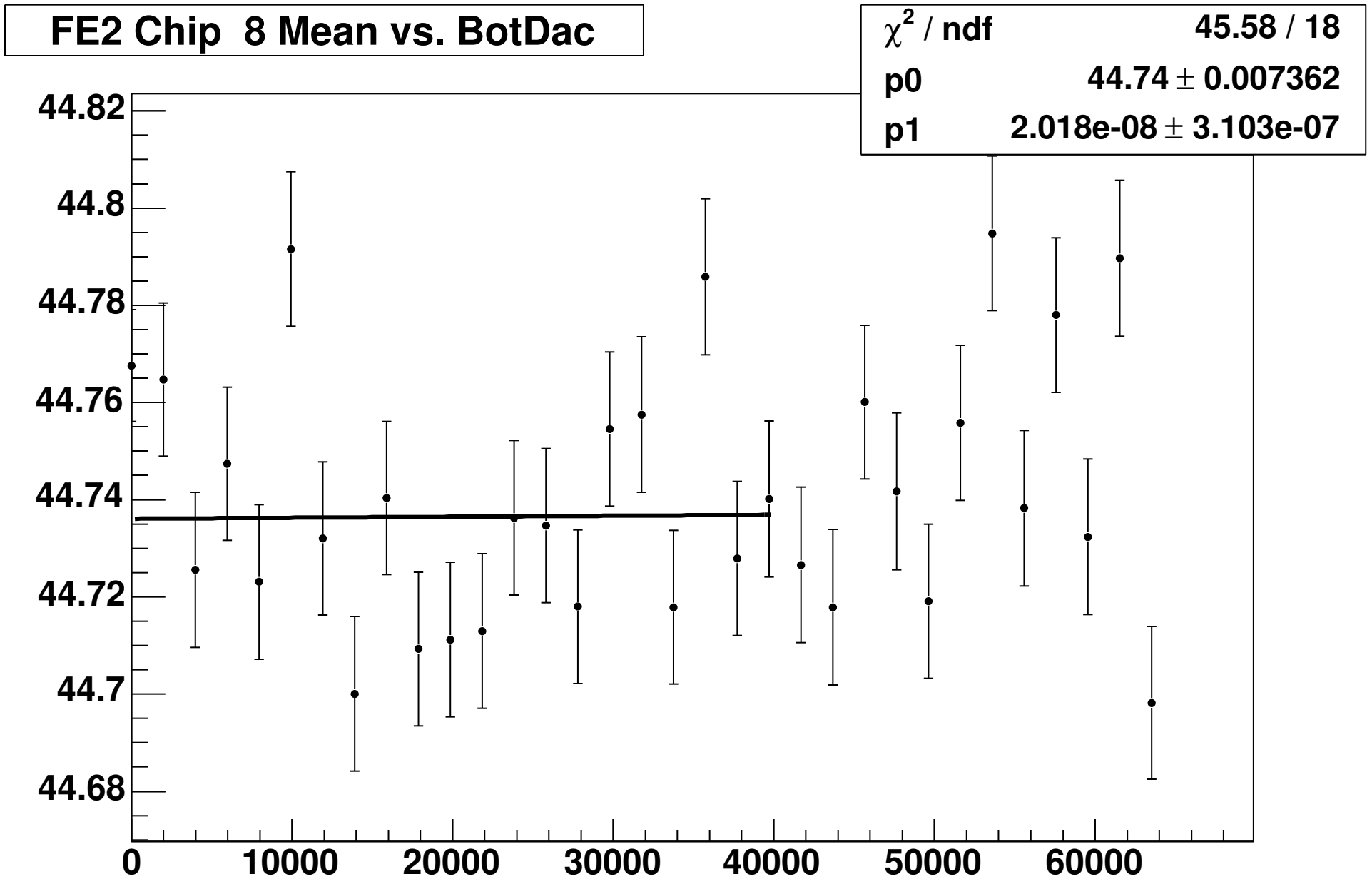

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 493.8 / 18
p0 1.394 ± 0.004
p1 3.245e-05 ± 2.978e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

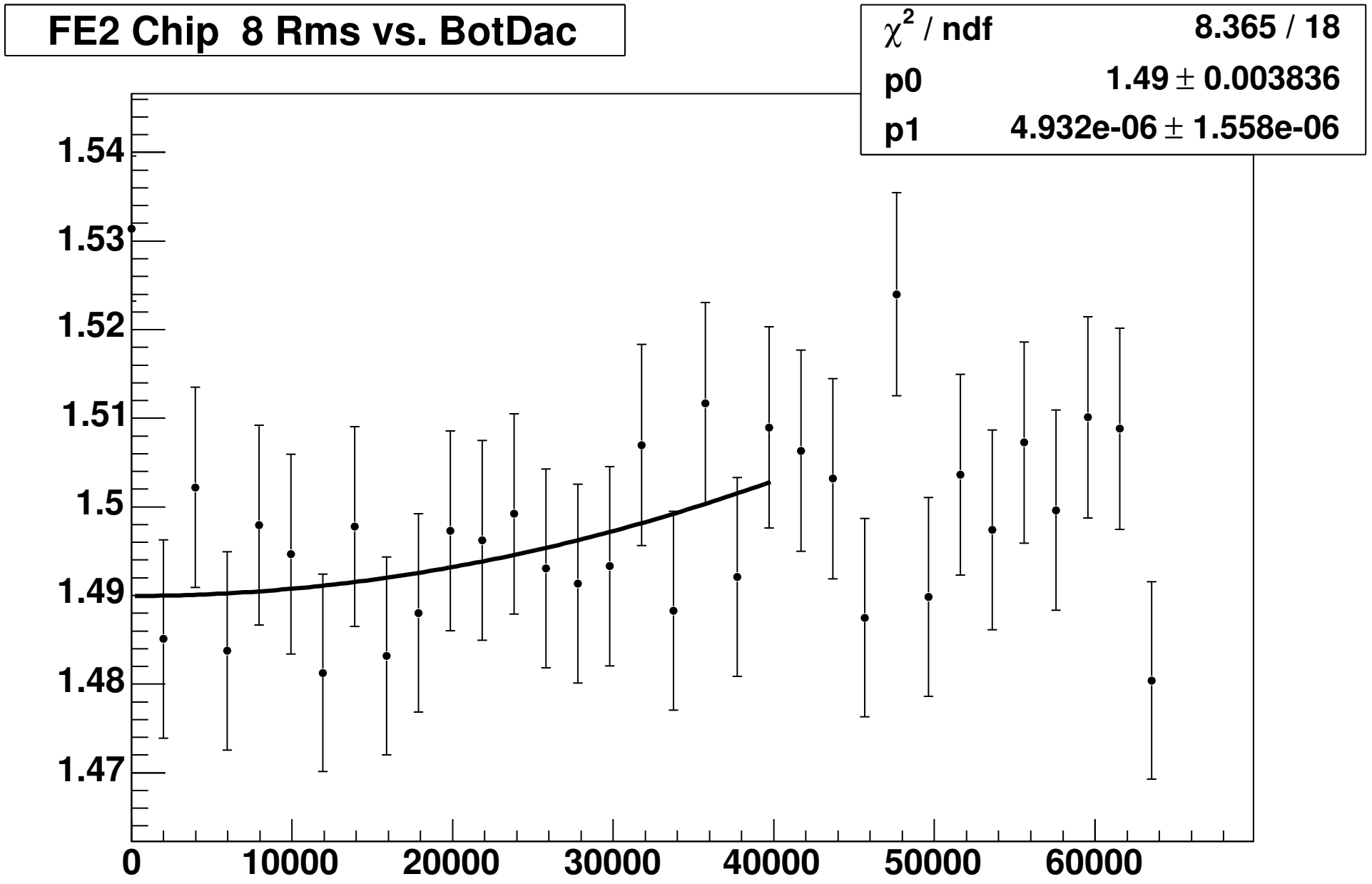

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 41.25 / 18
p0 33.9 ± 0.007345
p1 1.159e-06 ± 3.082e-07
34
33.98
33.96
33.94
33.92
33.9
33.88
33.86
0
10000
20000
30000
40000
50000
60000

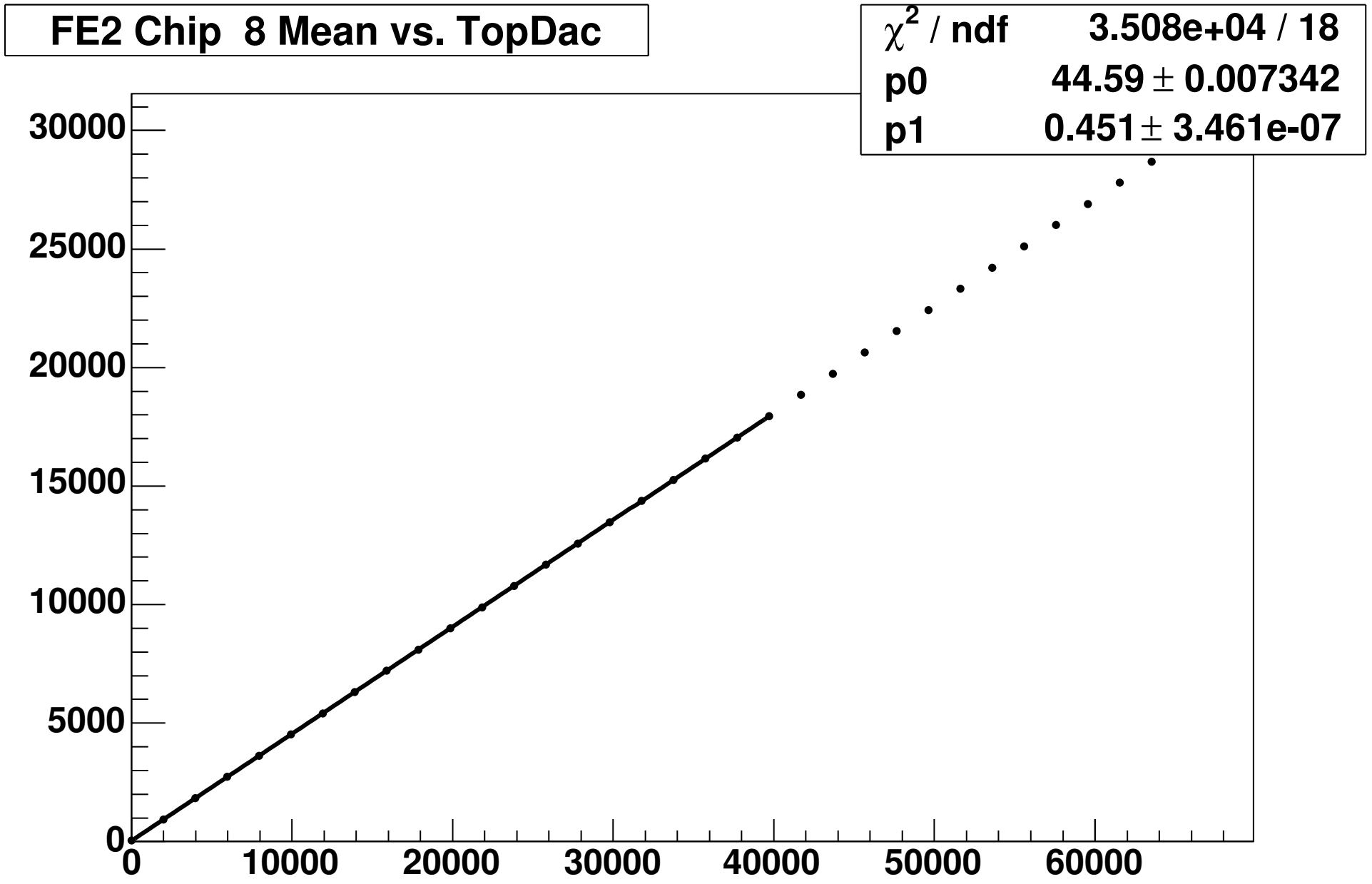

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 21.62 / 18
p0 1.486 ± 0.002504
p1 -6.065e-13 ± 2.278e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

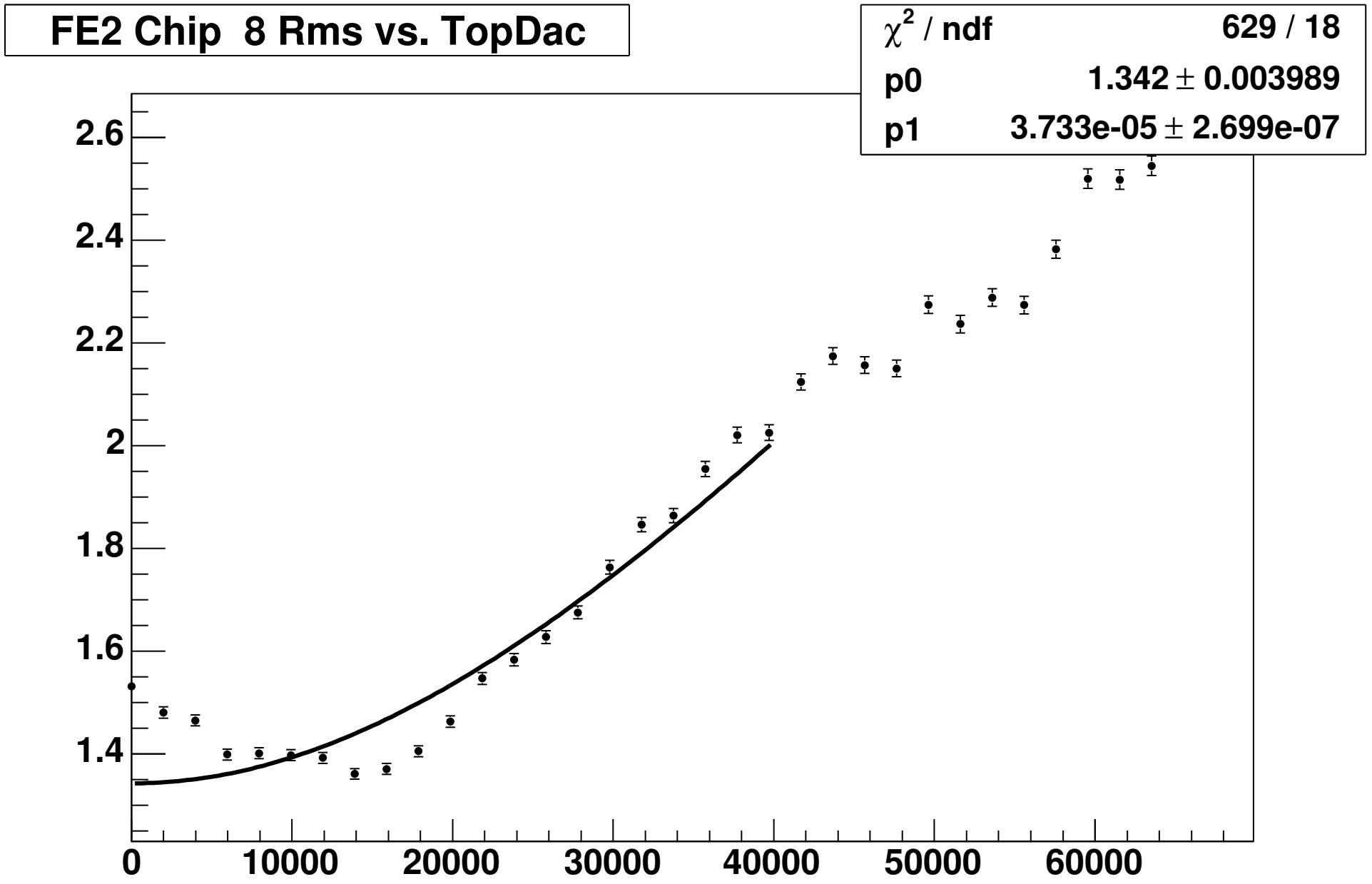

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 2.356e+04 / 18
p0 33.55 ± 0.007351
p1 0.4515 ± 3.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 256.2 / 18
p0 1.383 ± 0.003997
p1 3.437e-05 ± 2.864e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 45.58 / 18
p0 44.74 ± 0.007362
p1 2.018e-08 ± 3.103e-07
44.82
44.8
44.78
44.76
44.74
44.72
44.7
44.68
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 8.365 / 18
p0 1.49 ± 0.003836
p1 4.932e-06 ± 1.558e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 3.508e+04 / 18
p0 44.59 ± 0.007342
p1 0.451 ± 3.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 629 / 18
p0 1.342 ± 0.003989
p1 3.733e-05 ± 2.699e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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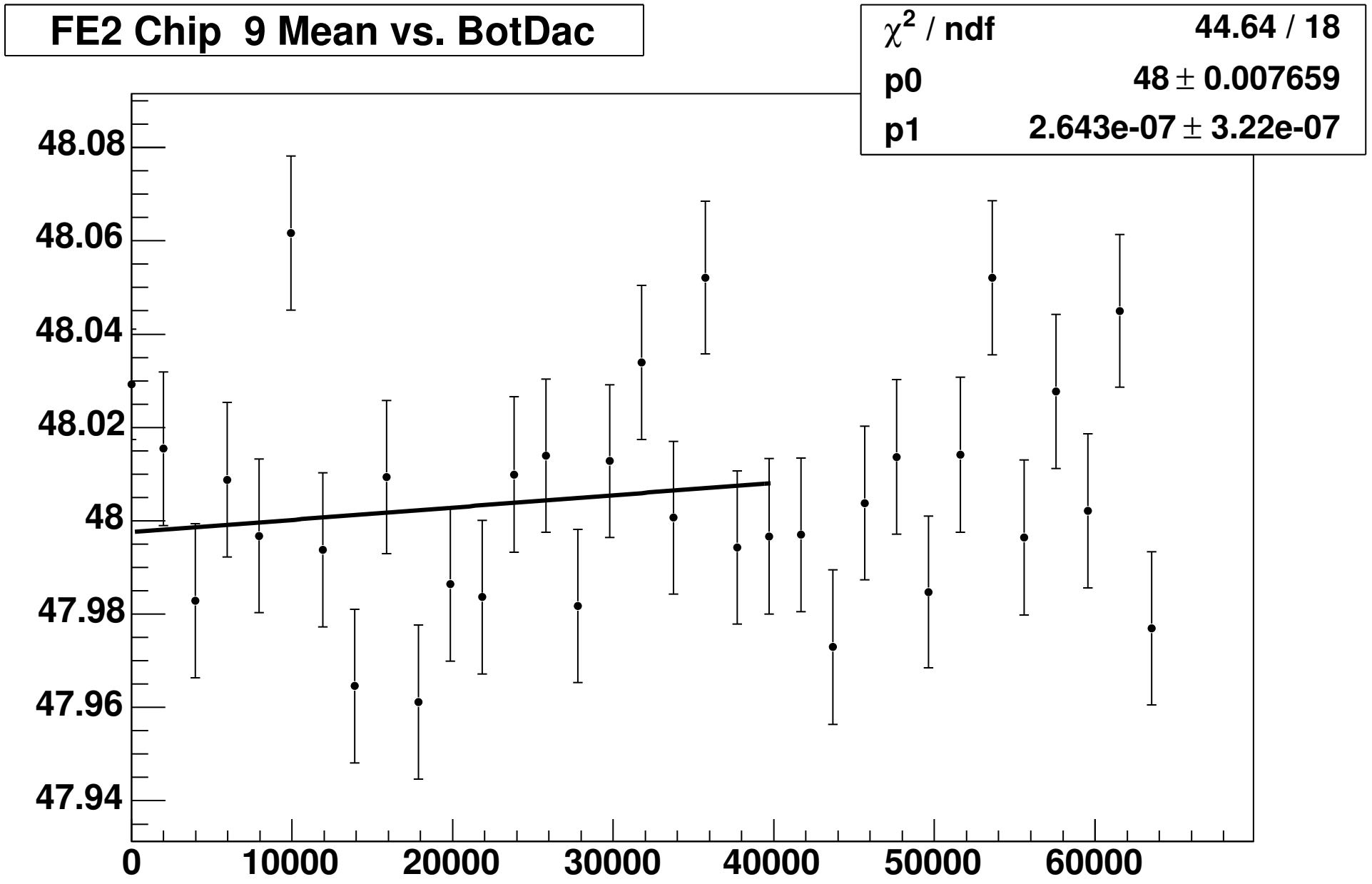
60000


FE2 Chip 9 Mean vs. BotDac
χ^2 / ndf 44.64 / 18
p0 48 ± 0.007659
p1 2.643e-07 ± 3.22e-07
48.08
48.06
48.04
48.02
48
47.98
47.96
47.94
0
10000
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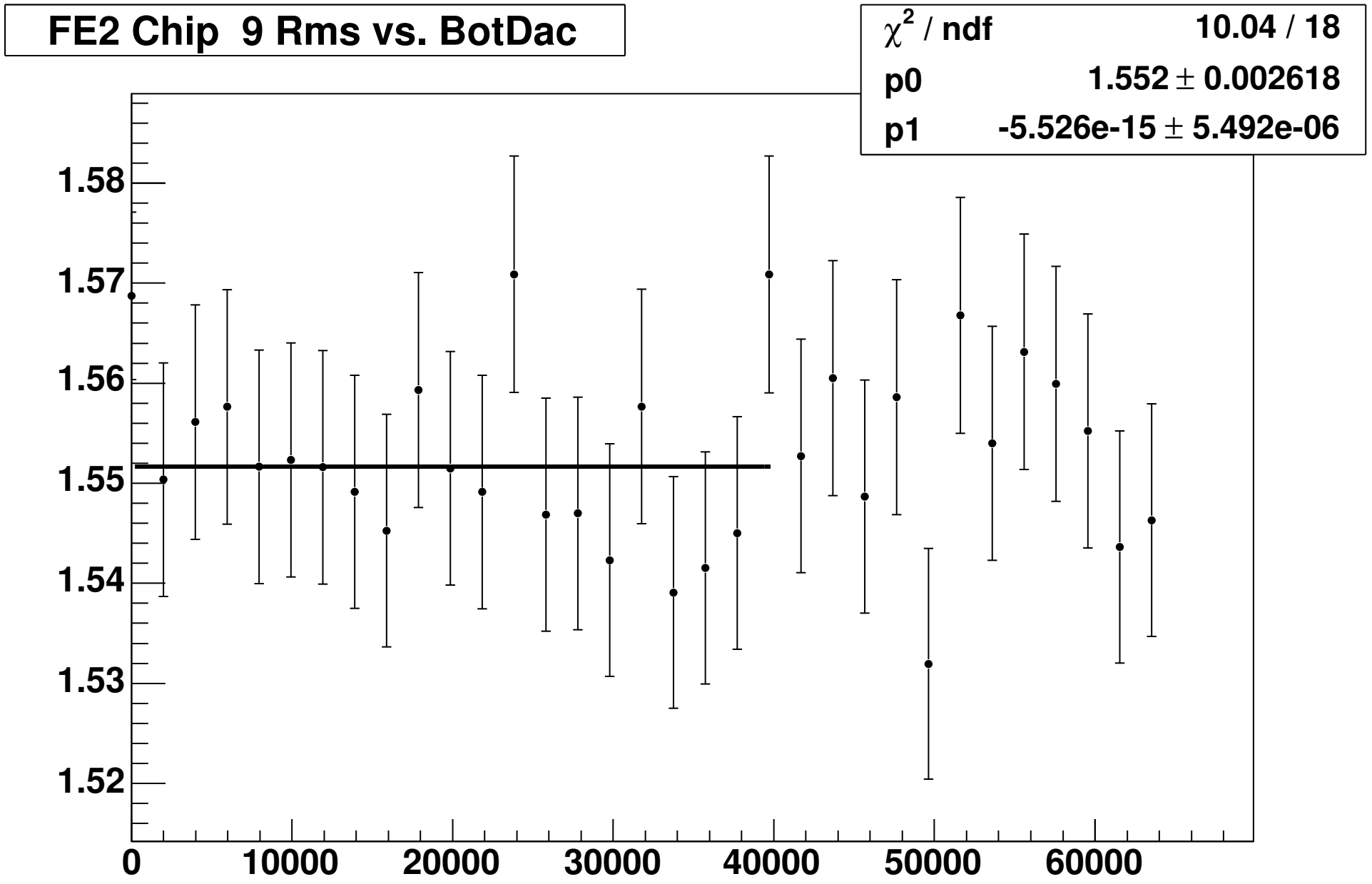
50000
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 10.04 / 18
p0 1.552 ± 0.002618
p1 -5.526e-15 ± 5.492e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
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30000
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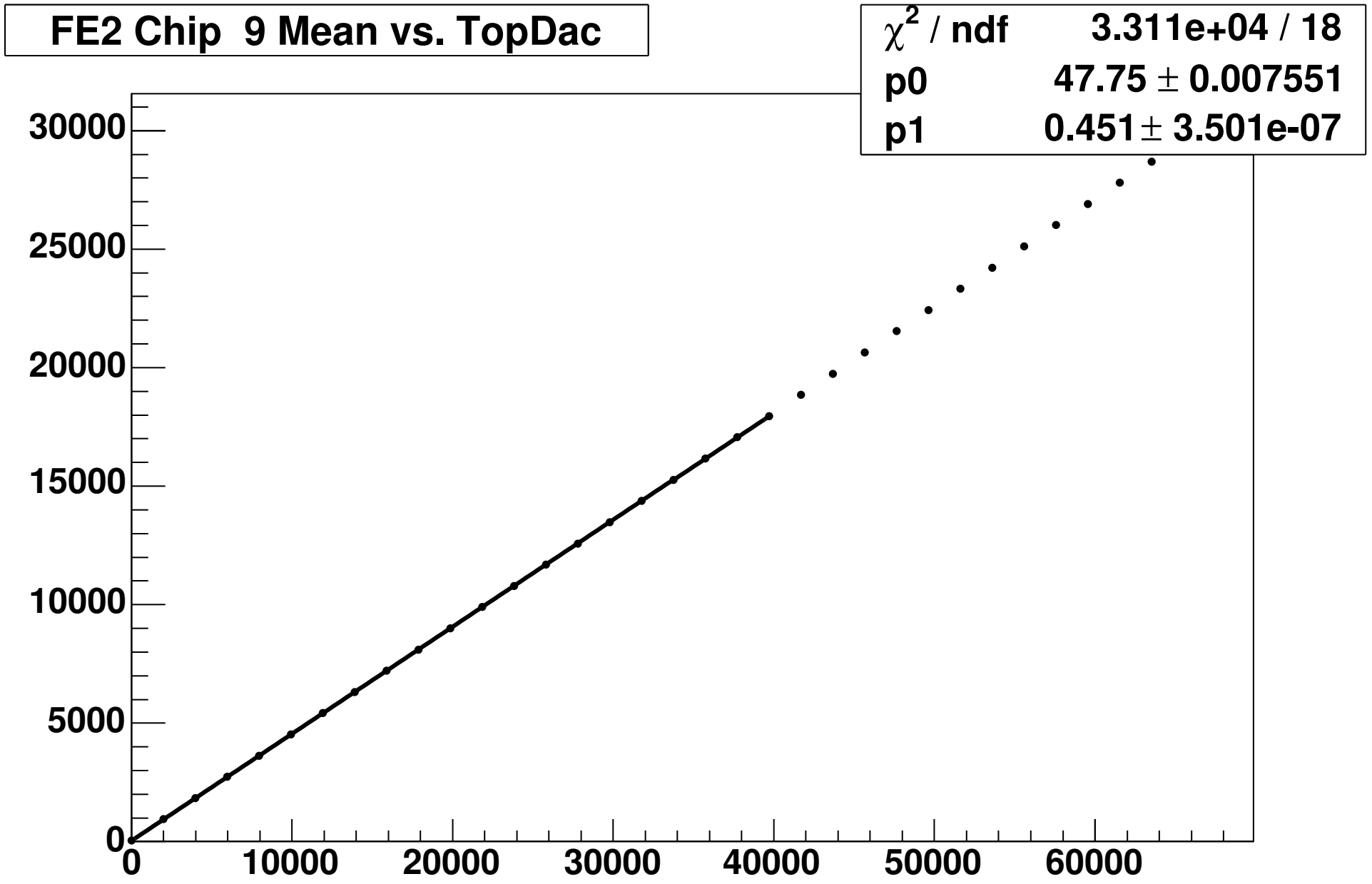
50000
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 3.311e+04 / 18
p0 47.75 ± 0.007551
p1 0.451 ± 3.501e-07
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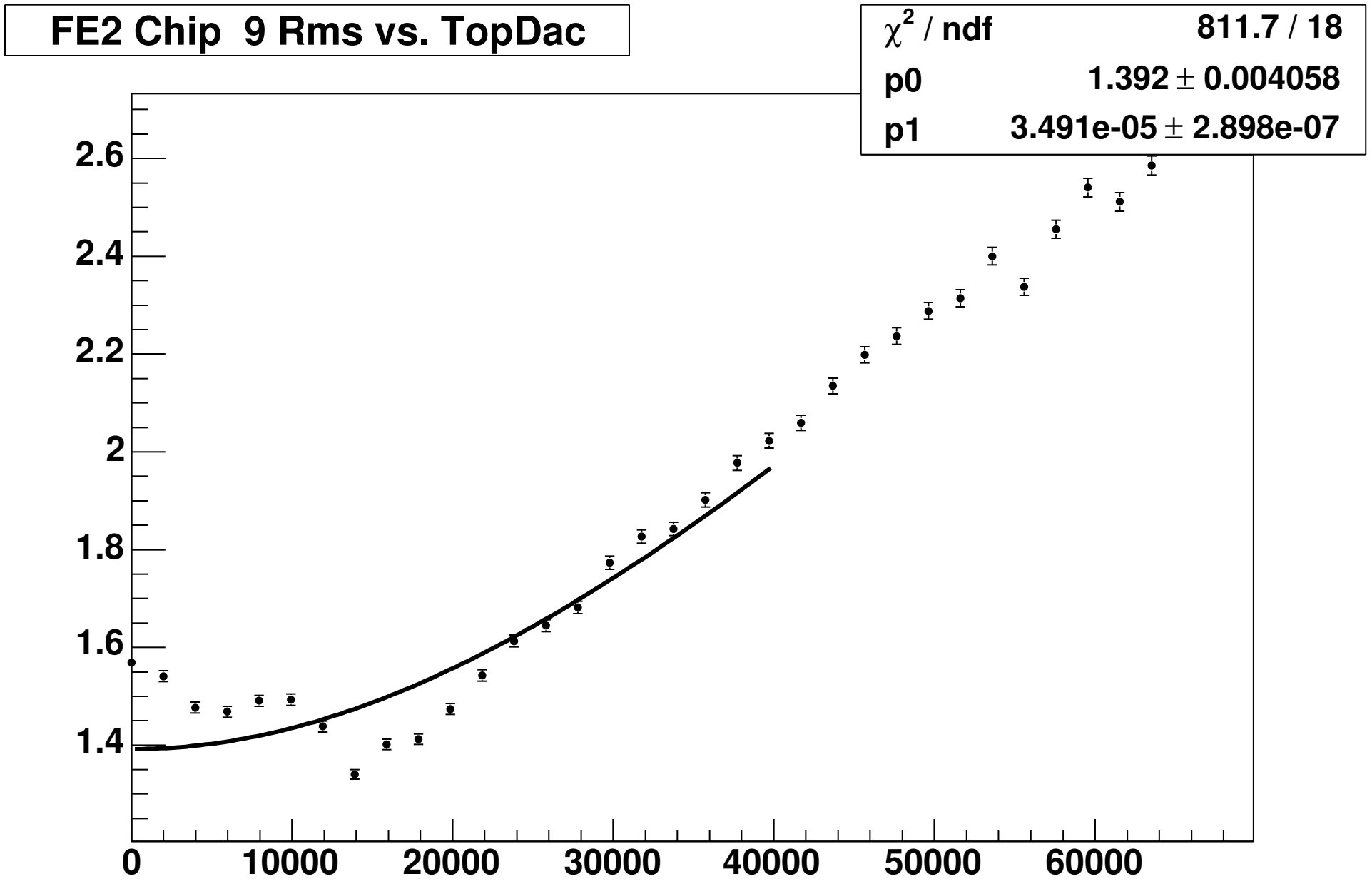
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 811.7 / 18
p0 1.392 ± 0.004058
p1 3.491e-05 ± 2.898e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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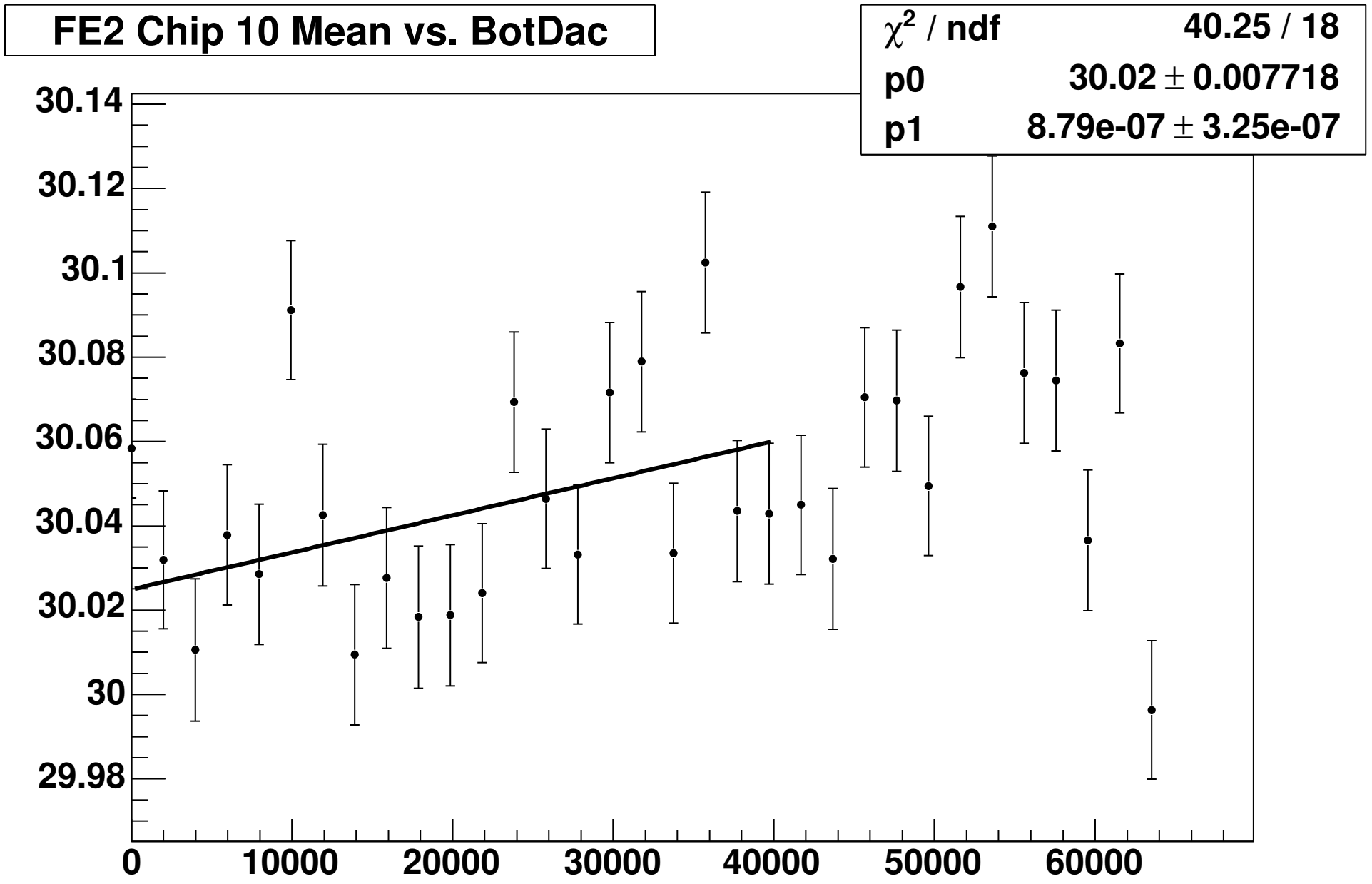
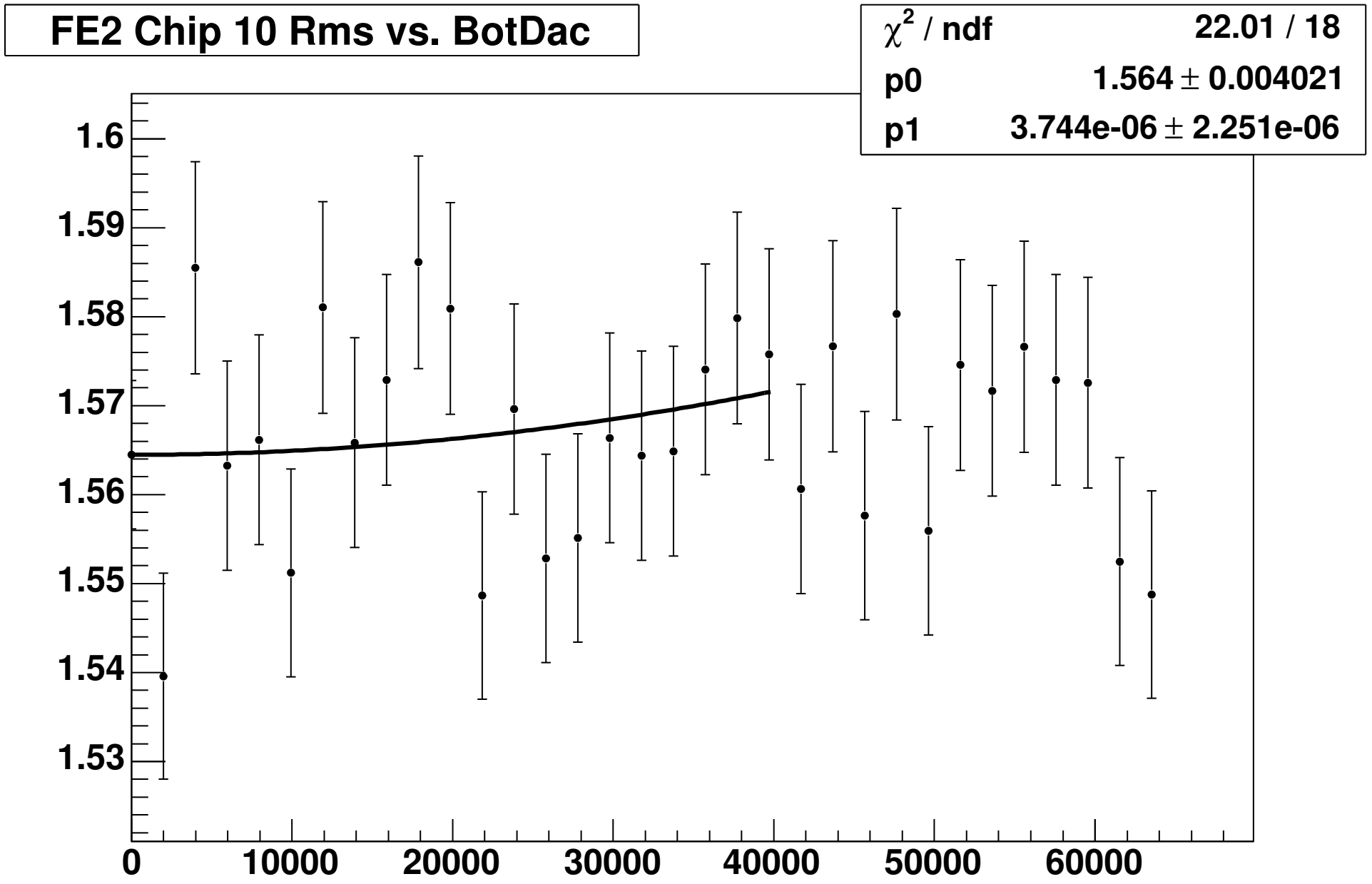

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 40.25 / 18
p0 30.02 ± 0.007718
p1 8.79e-07 ± 3.25e-07
30.14
30.12
30.1
30.08
30.06
30.04
30.02
30
29.98
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 22.01 / 18
p0 1.564 ± 0.004021
p1 3.744e-06 ± 2.251e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
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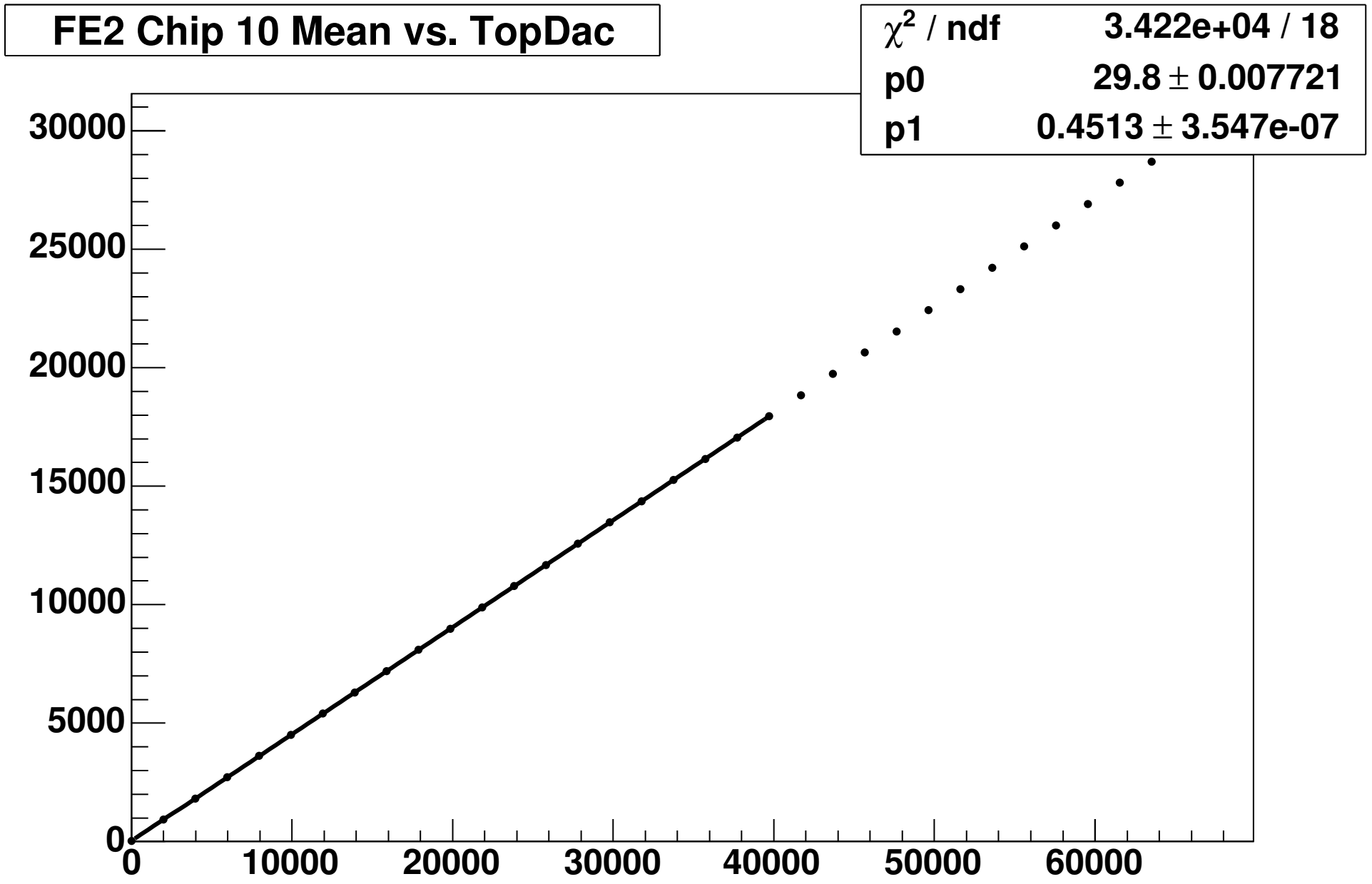
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 3.422e+04 / 18
p0 29.8 ± 0.007721
p1 0.4513 ± 3.547e-07
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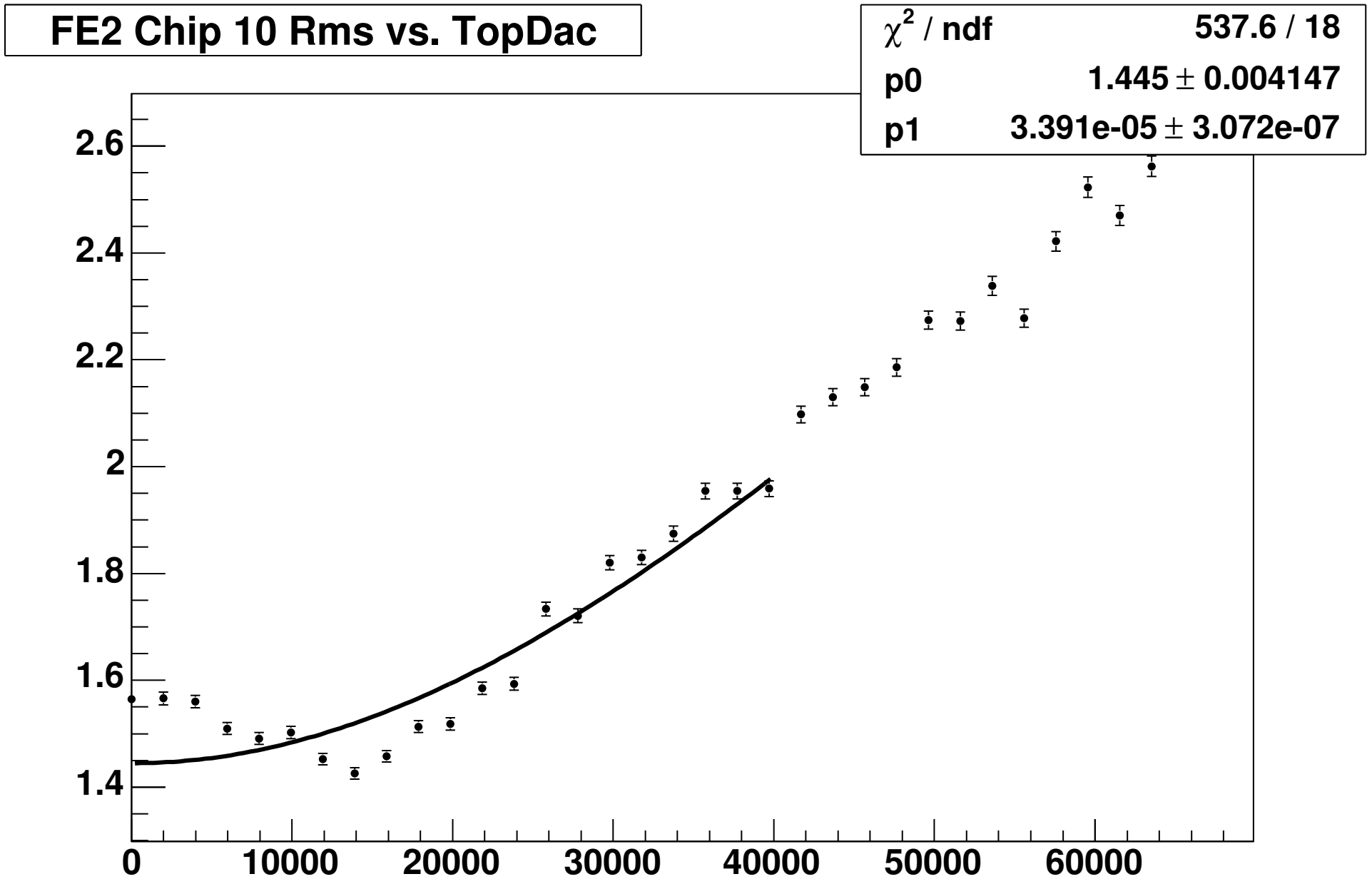
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 537.6 / 18
p0 1.445 ± 0.004147
p1 3.391e-05 ± 3.072e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
50000
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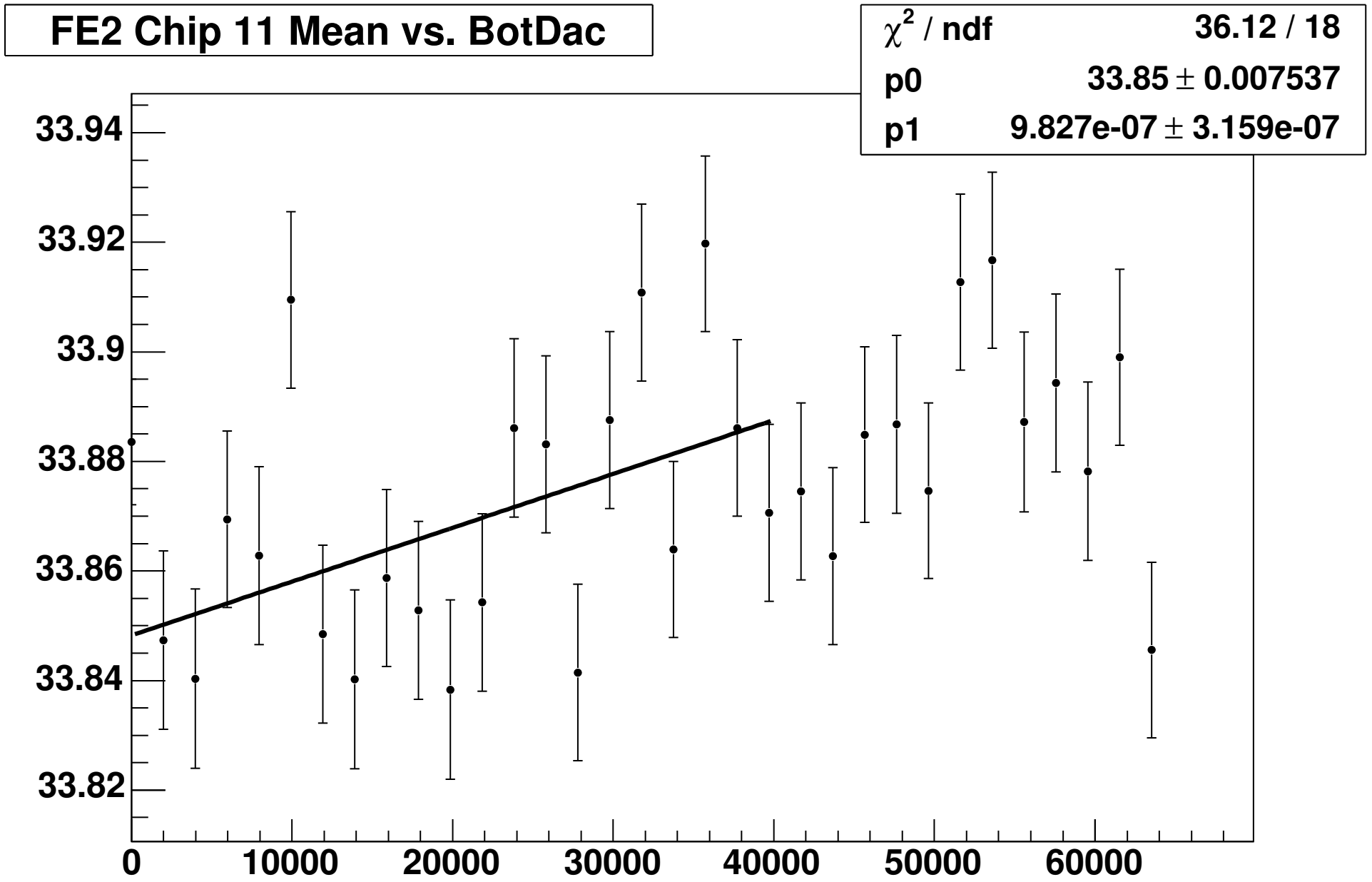
FE2 Chip 11 Mean vs. BotDac
χ² / ndf 36.12 / 18
p0 33.85 ± 0.007537
p1 9.827e-07 ± 3.159e-07
33.94
33.92
33.9
33.88
33.86
33.84
33.82
0
10000
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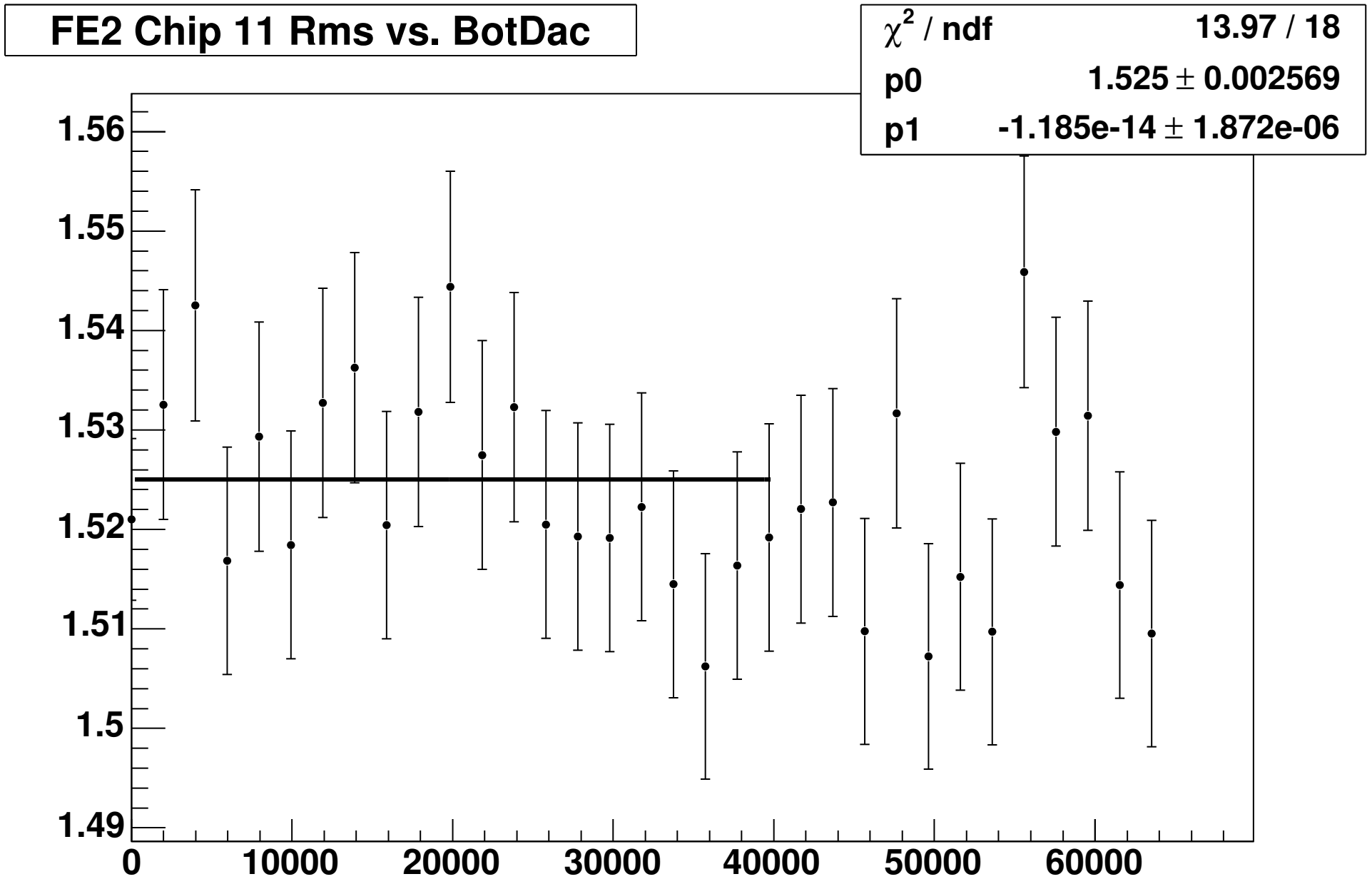
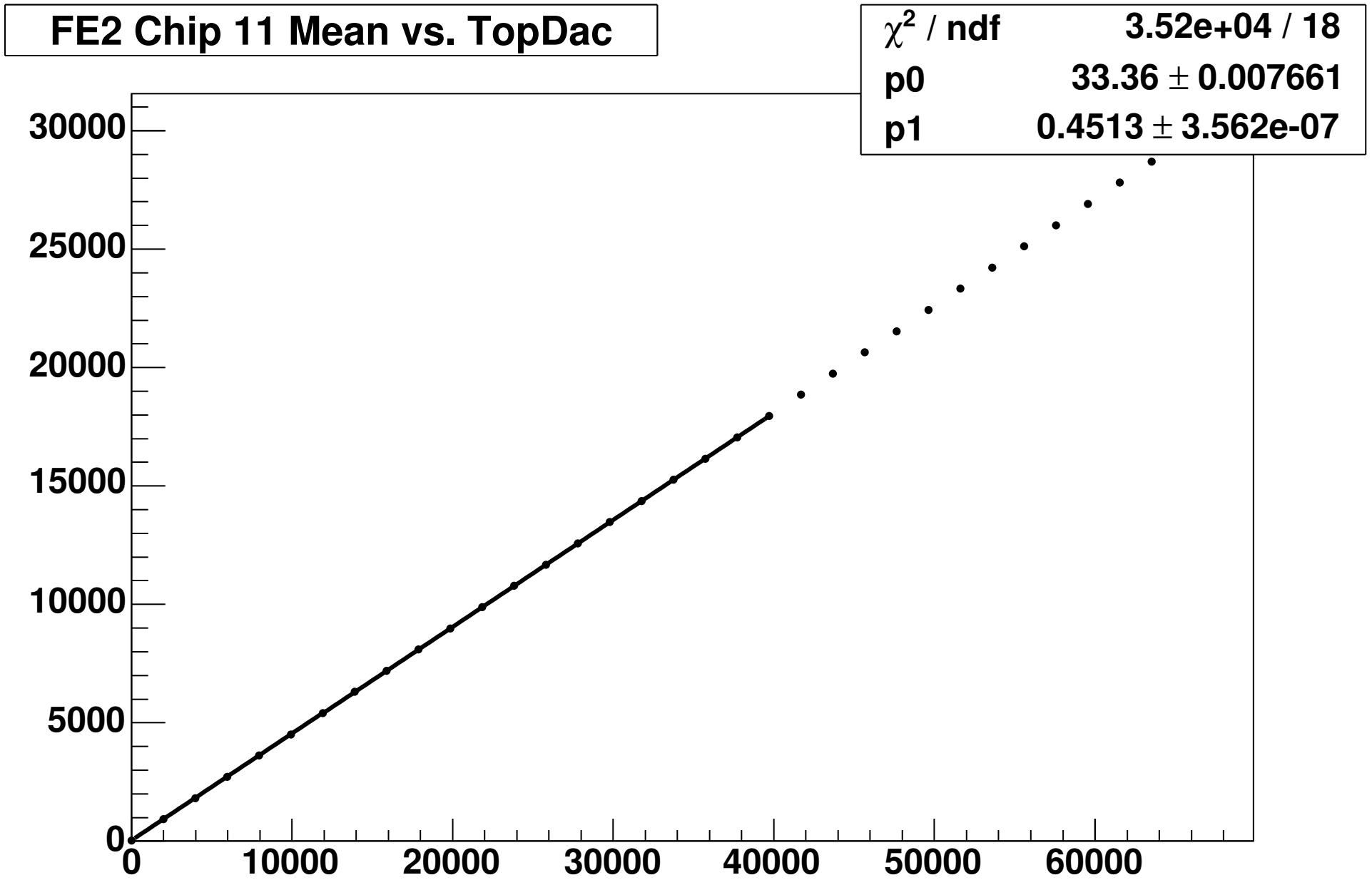
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 13.97 / 18
p0 1.525 ± 0.002569
p1 -1.185e-14 ± 1.872e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 3.52e+04 / 18
p0 33.36 ± 0.007661
p1 0.4513 ± 3.562e-07
30000
25000
20000
15000
10000
5000
0
0
10000
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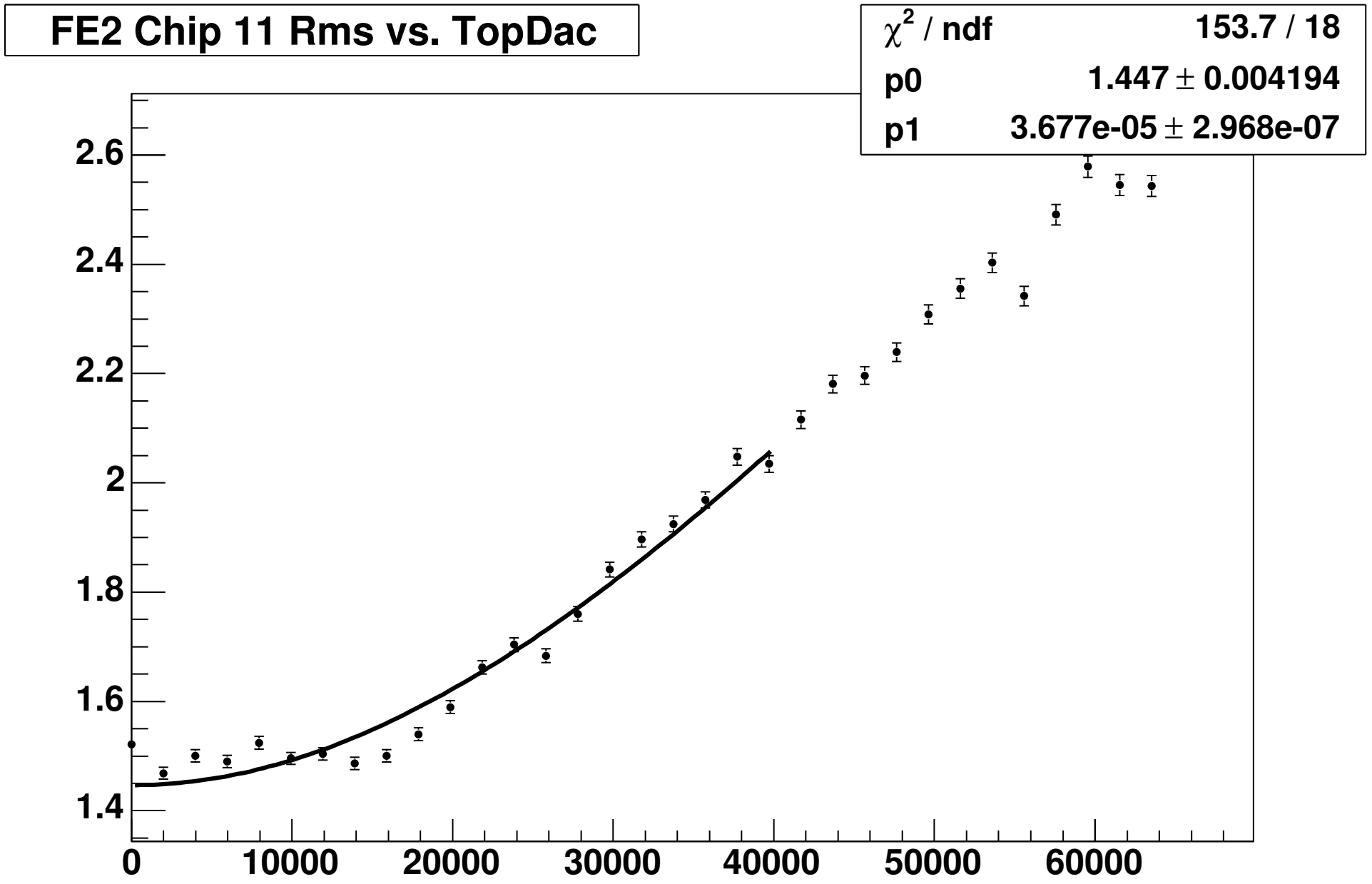
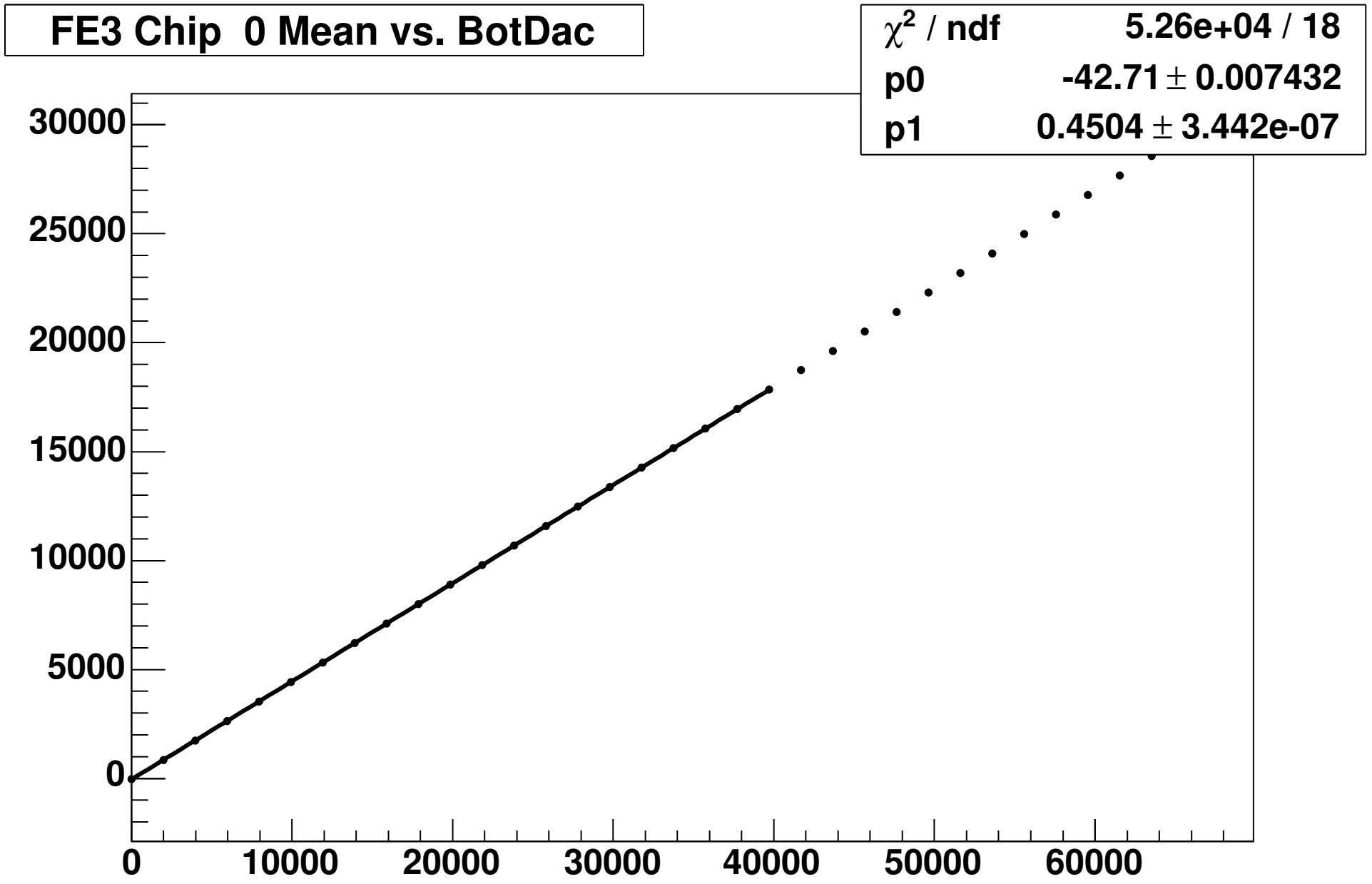
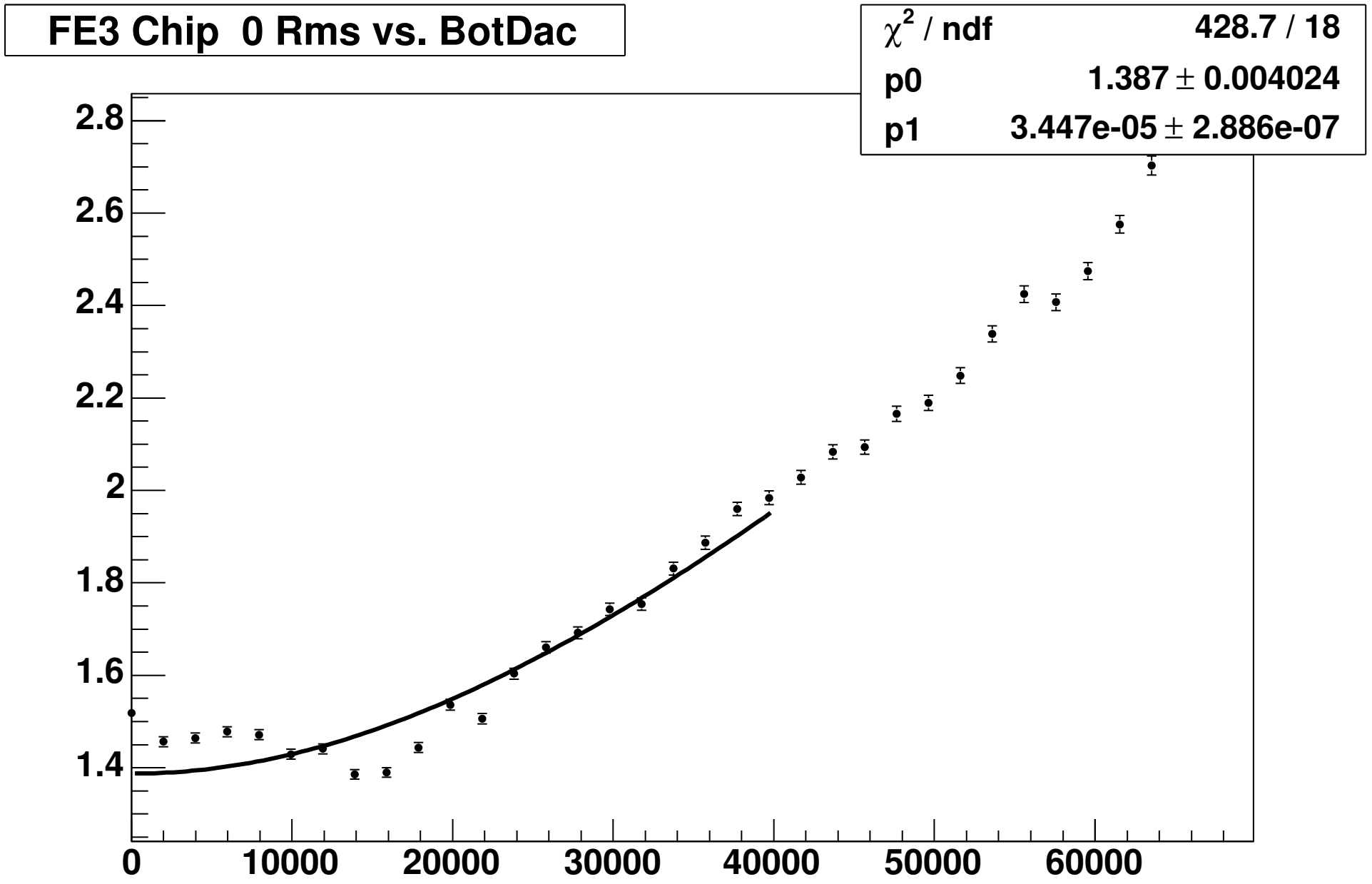
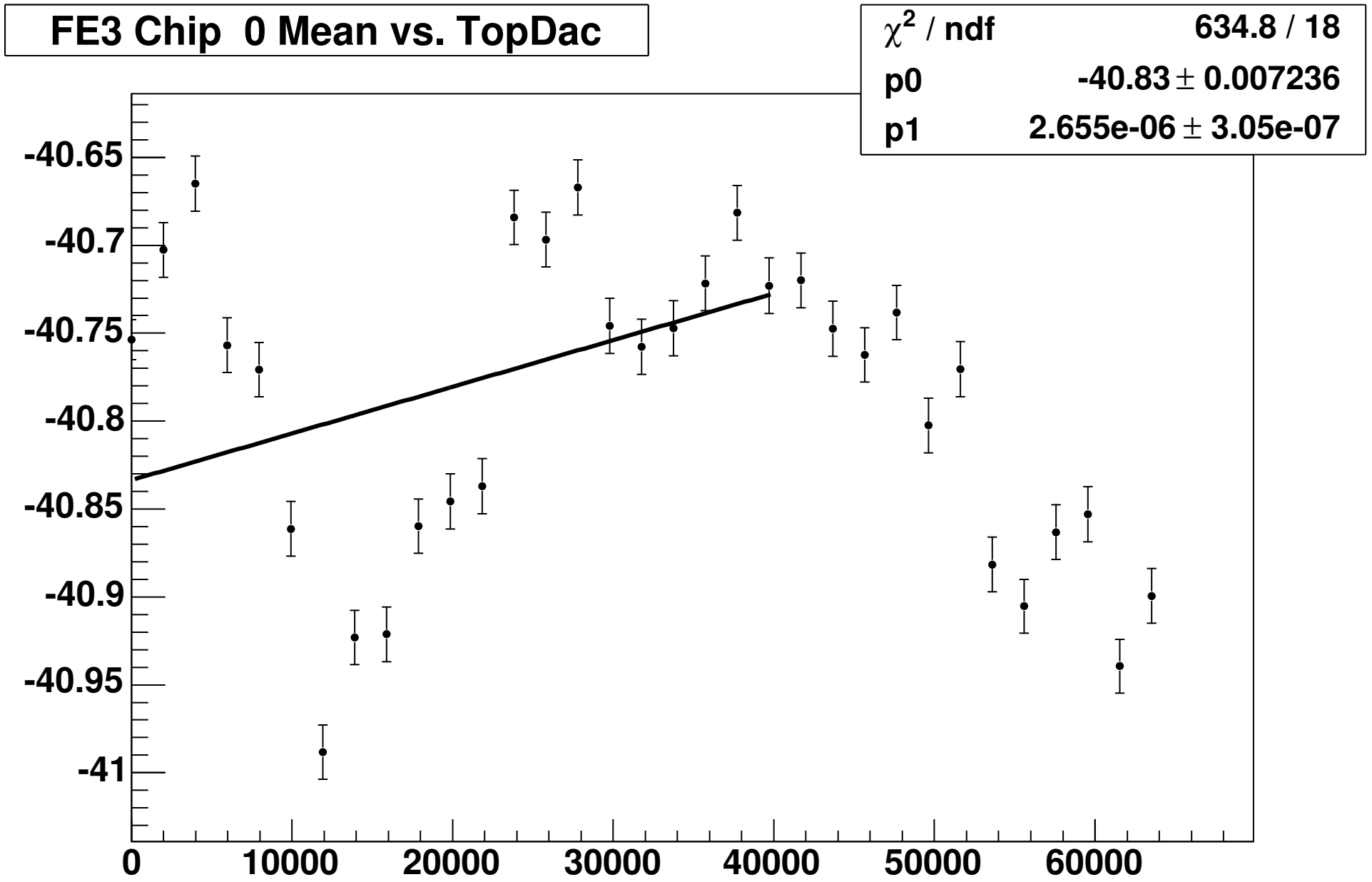
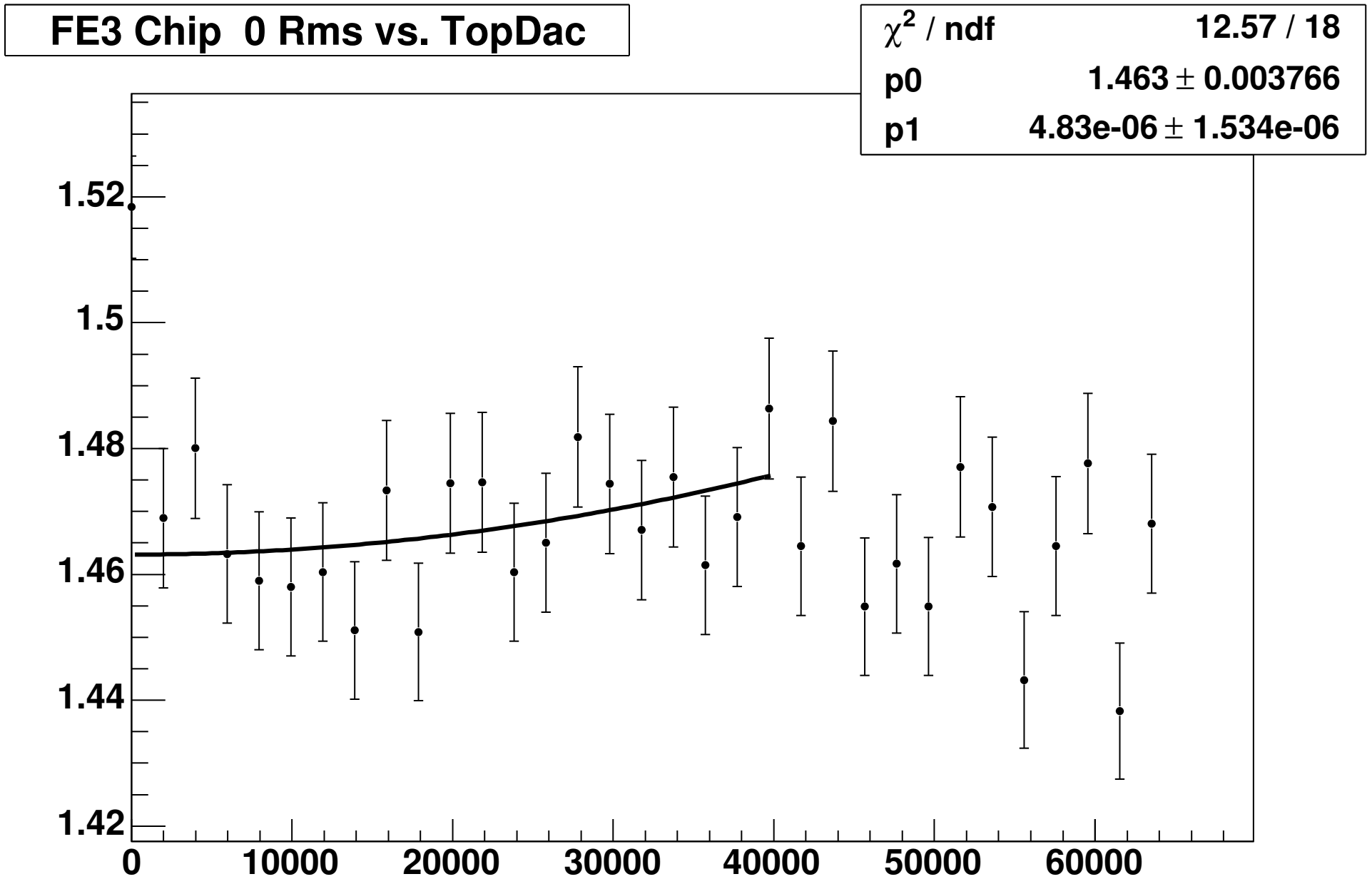
30000
40000
50000
60000

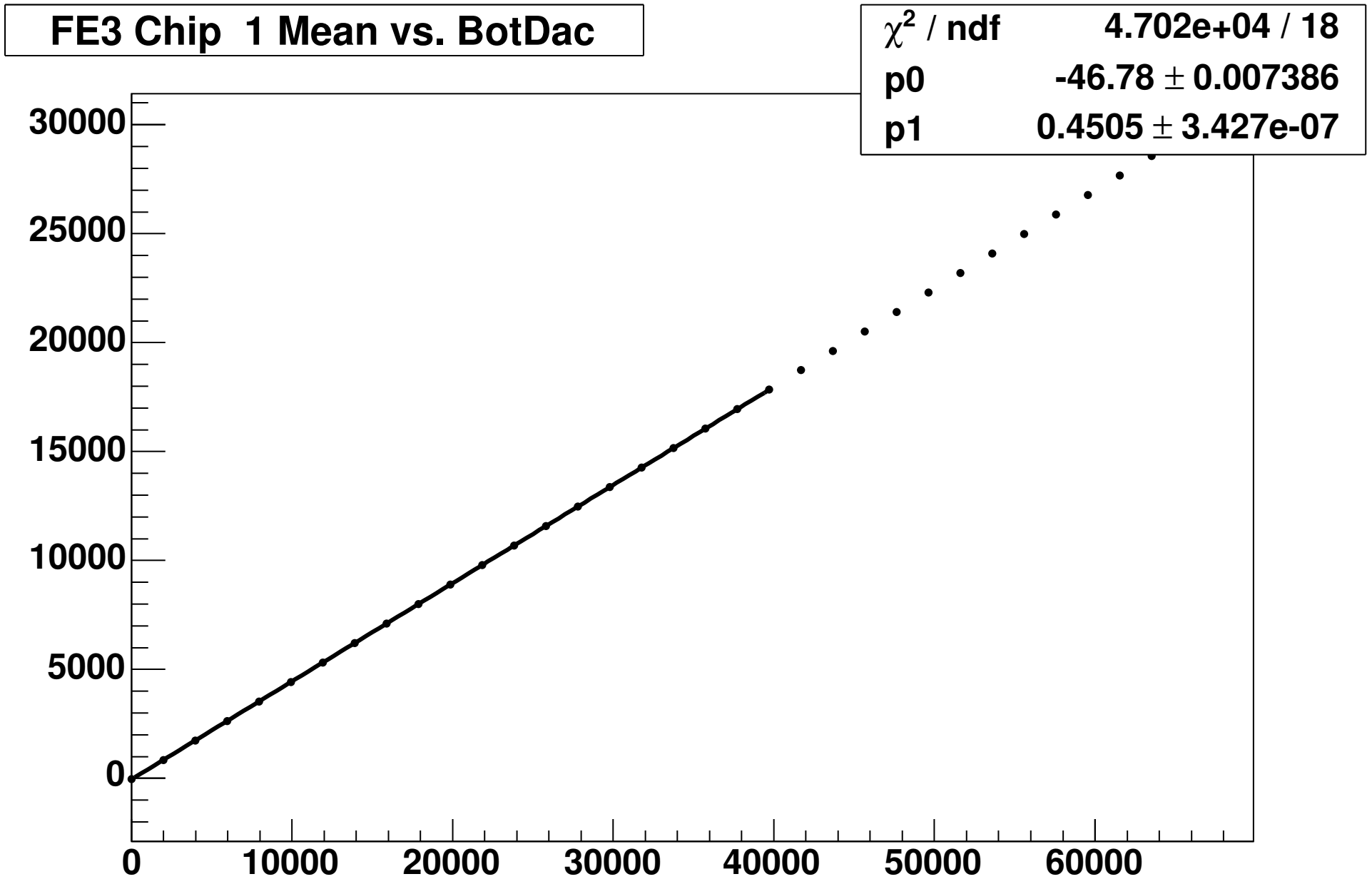

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 153.7 / 18
p0 1.447 ± 0.004194
p1 3.677e-05 ± 2.968e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

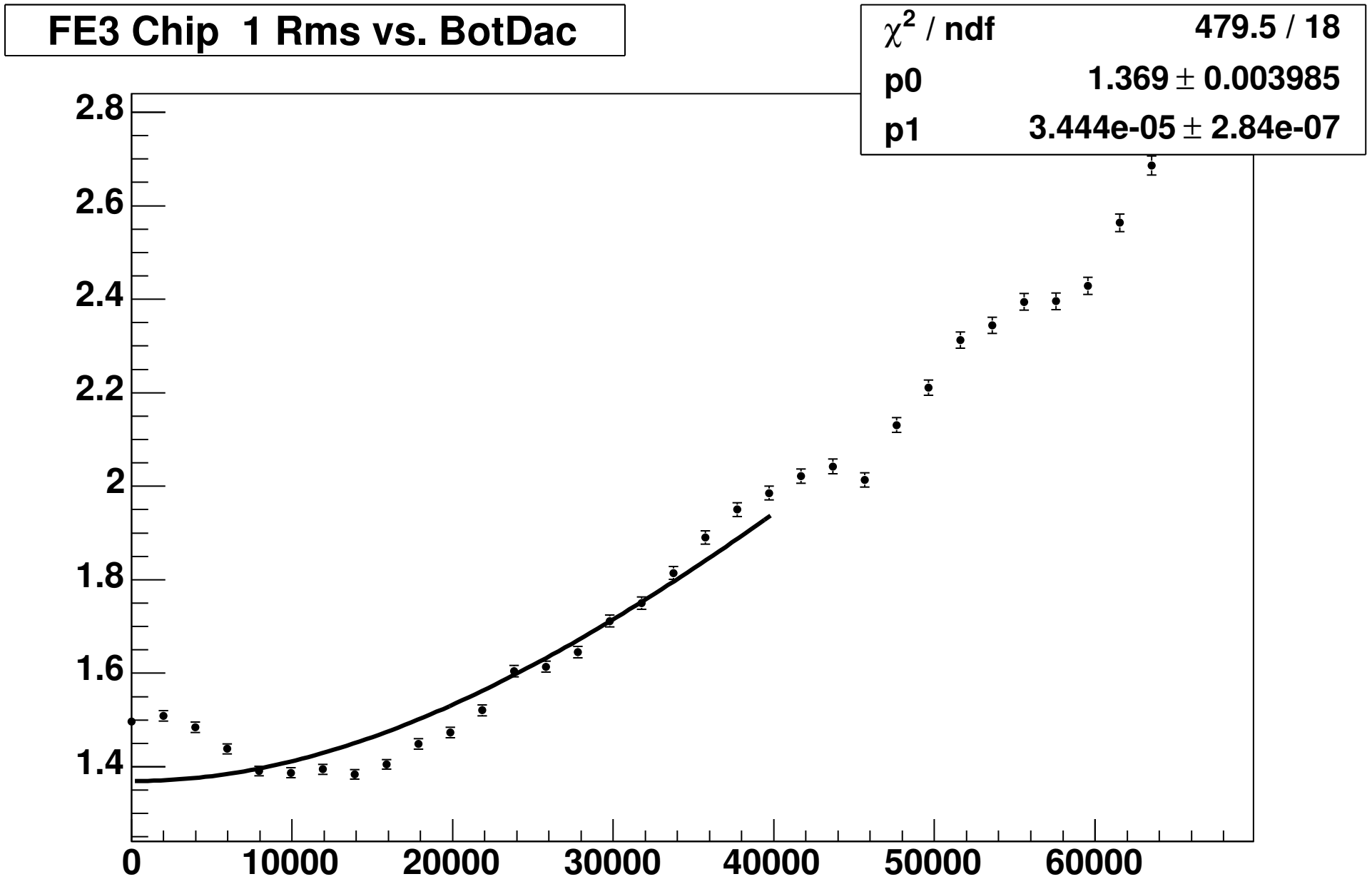

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 5.26e+04 / 18
p0 -42.71 ± 0.007432
p1 0.4504 ± 3.442e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

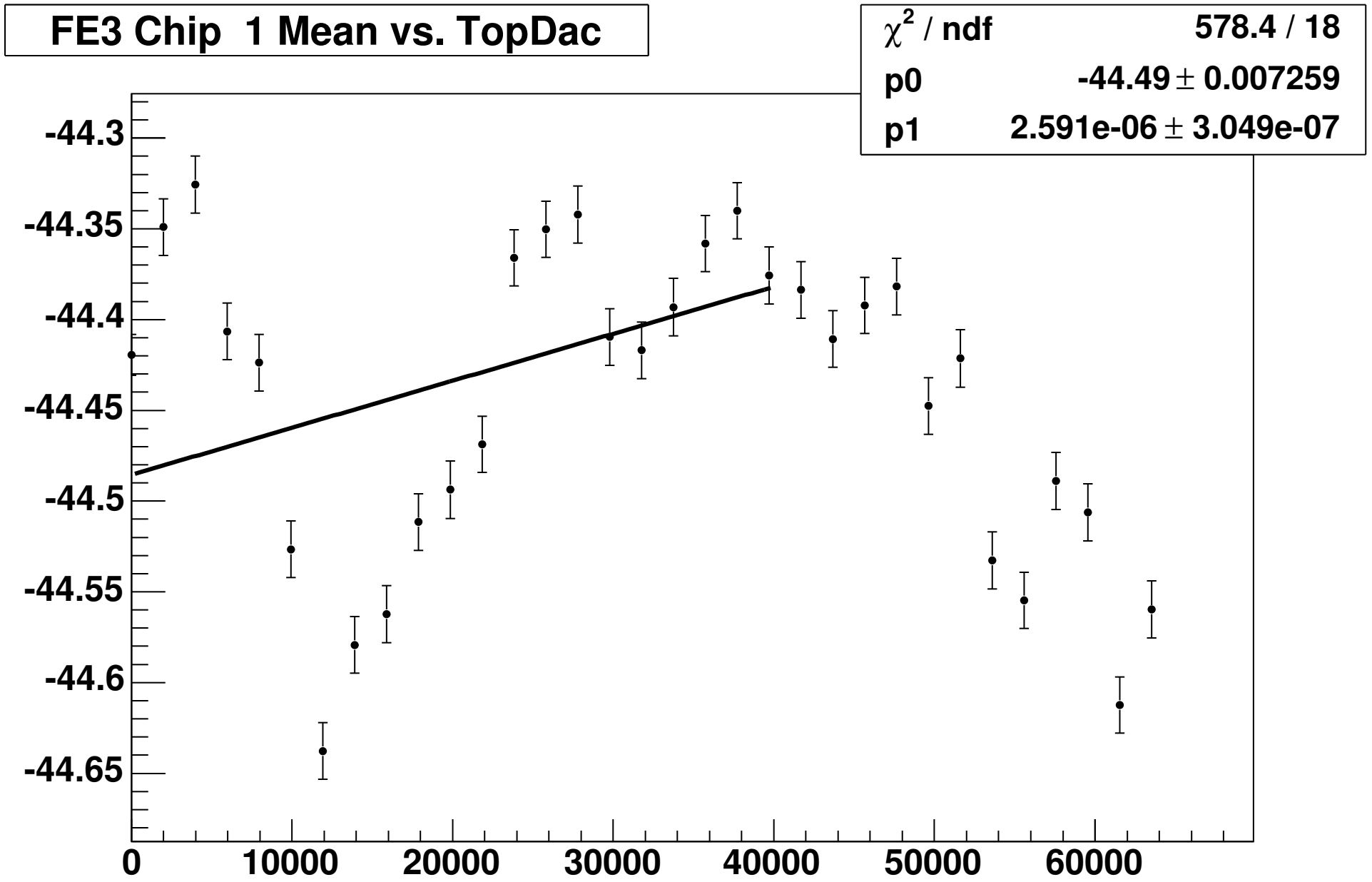

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 428.7 / 18
p0 1.387 ± 0.004024
p1 3.447e-05 ± 2.886e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

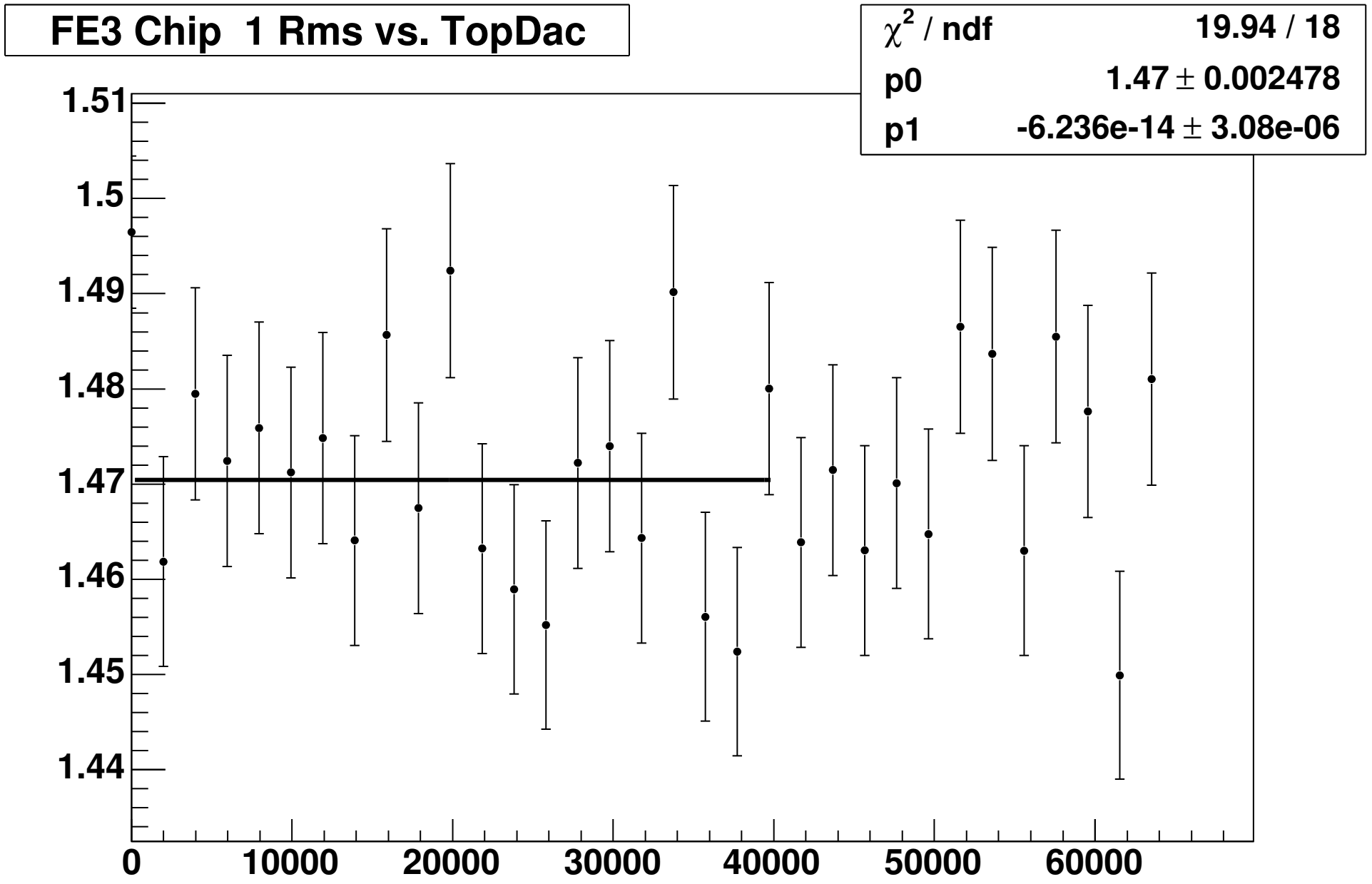

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 634.8 / 18
p0 -40.83 ± 0.007236
p1 2.655e-06 ± 3.05e-07
-40.65
-40.7
-40.75
-40.8
-40.85
-40.9
-40.95
-41
0
10000
20000
30000
40000
50000
60000

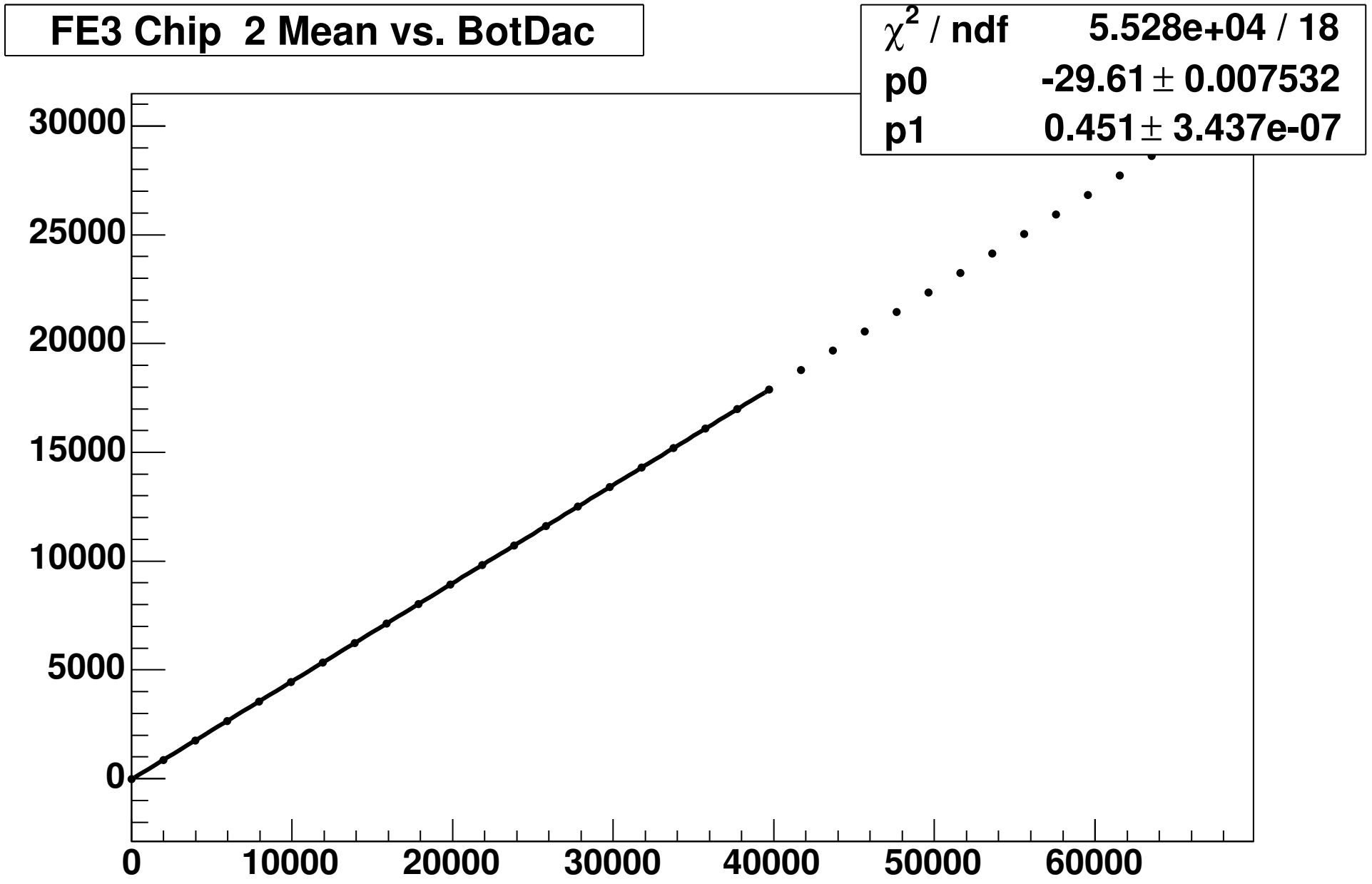

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 12.57 / 18
p0 1.463 ± 0.003766
p1 4.83e-06 ± 1.534e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

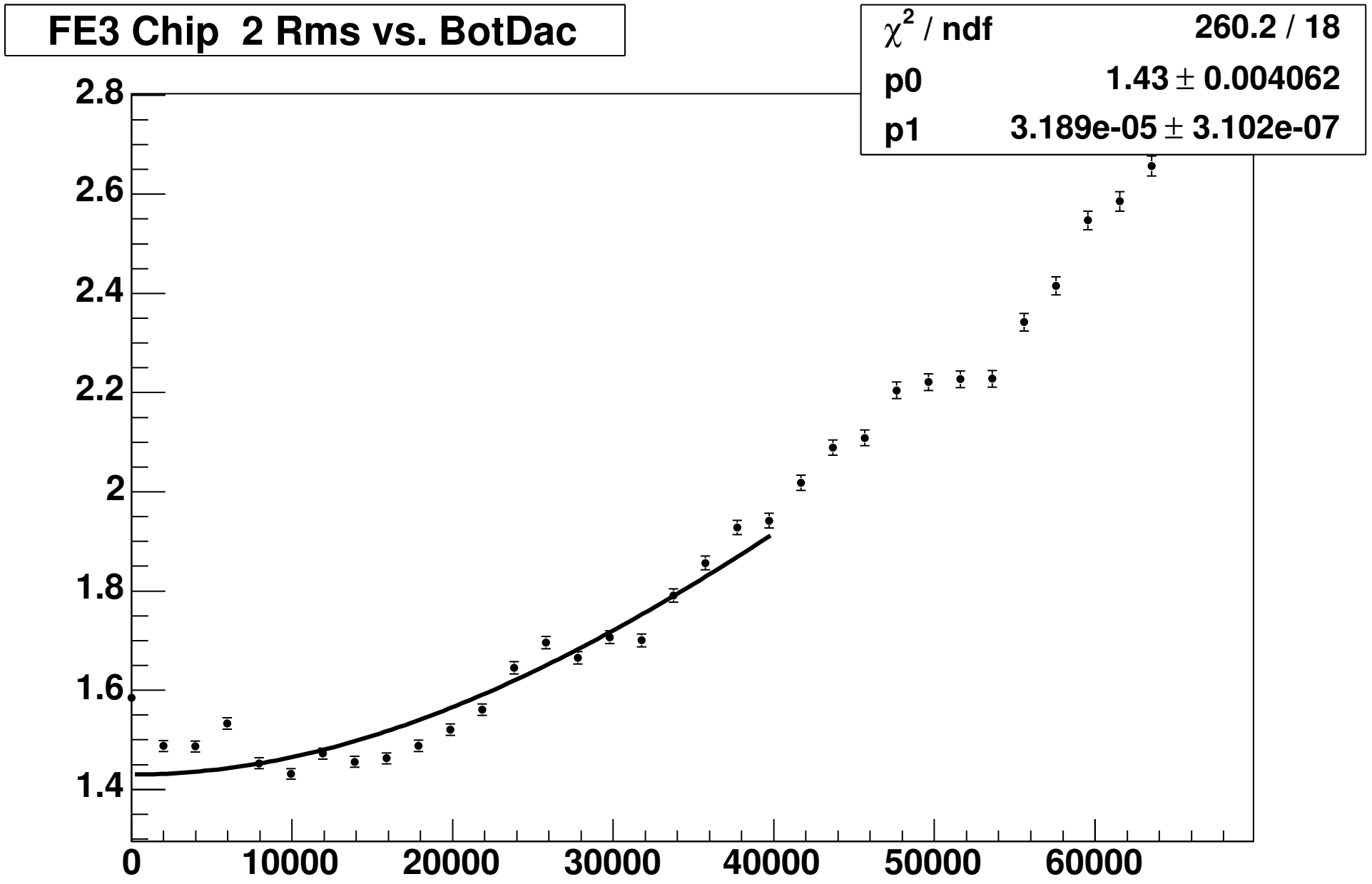

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 4.702e+04 / 18
p0 -46.78 ± 0.007386
p1 0.4505 ± 3.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

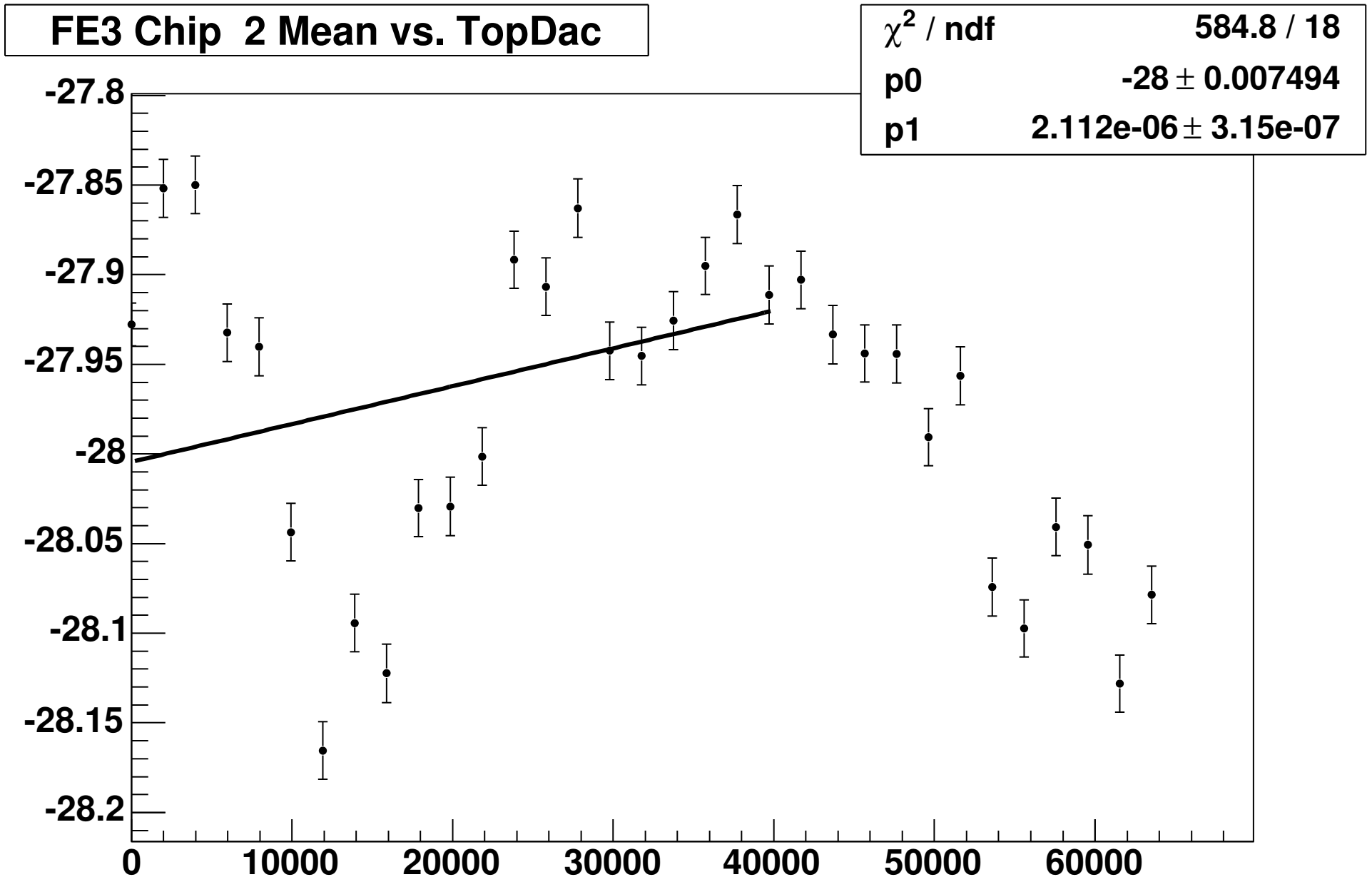

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 479.5 / 18
p0 1.369 ± 0.003985
p1 3.444e-05 ± 2.84e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

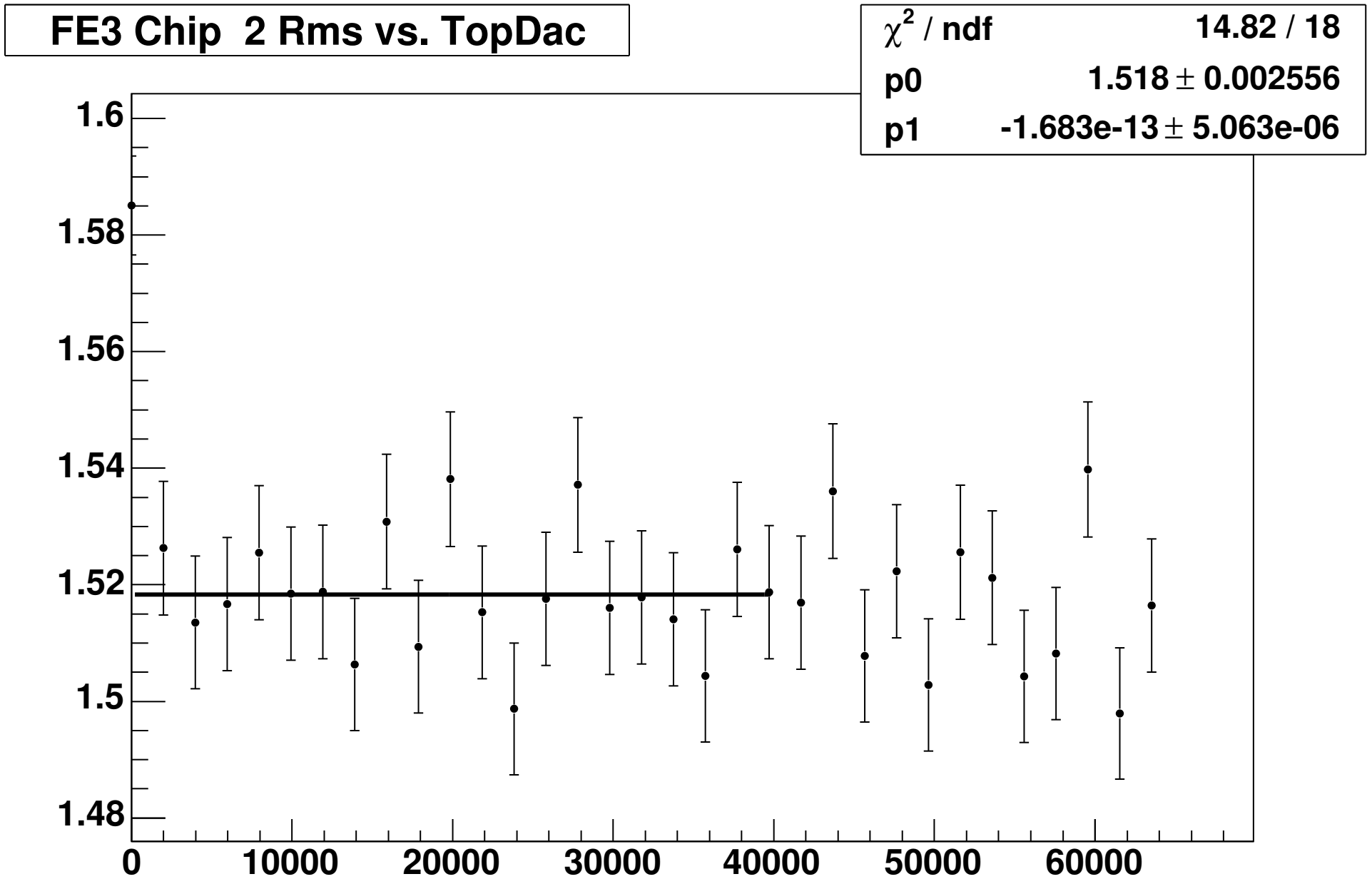

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 578.4 / 18
p0 -44.49 ± 0.007259
p1 2.591e-06 ± 3.049e-07
-44.3
-44.35
-44.4
-44.45
-44.5
-44.55
-44.6
-44.65
0
10000
20000
30000
40000
50000
60000

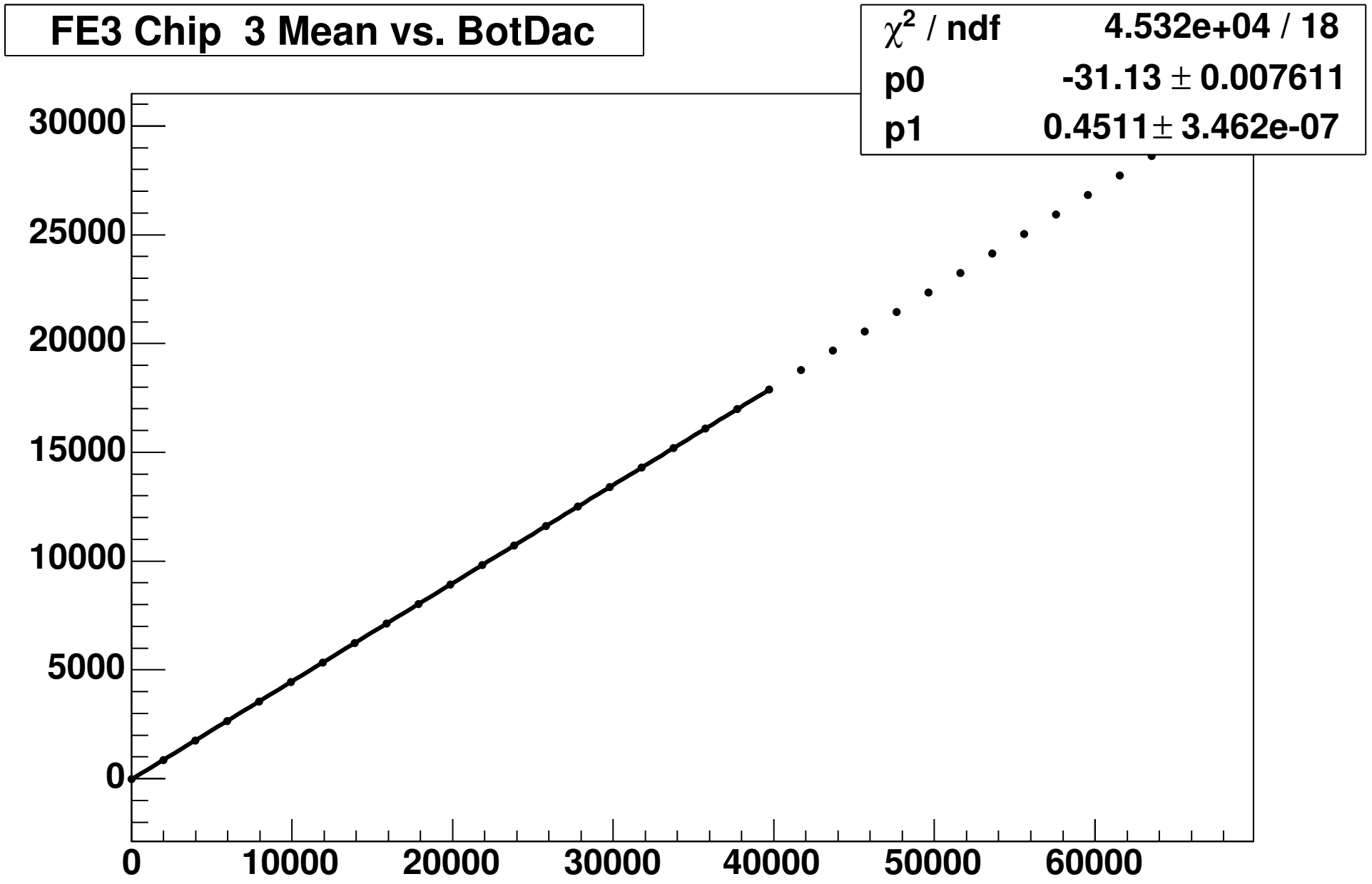

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 19.94 / 18
p0 1.47 ± 0.002478
p1 -6.236e-14 ± 3.08e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

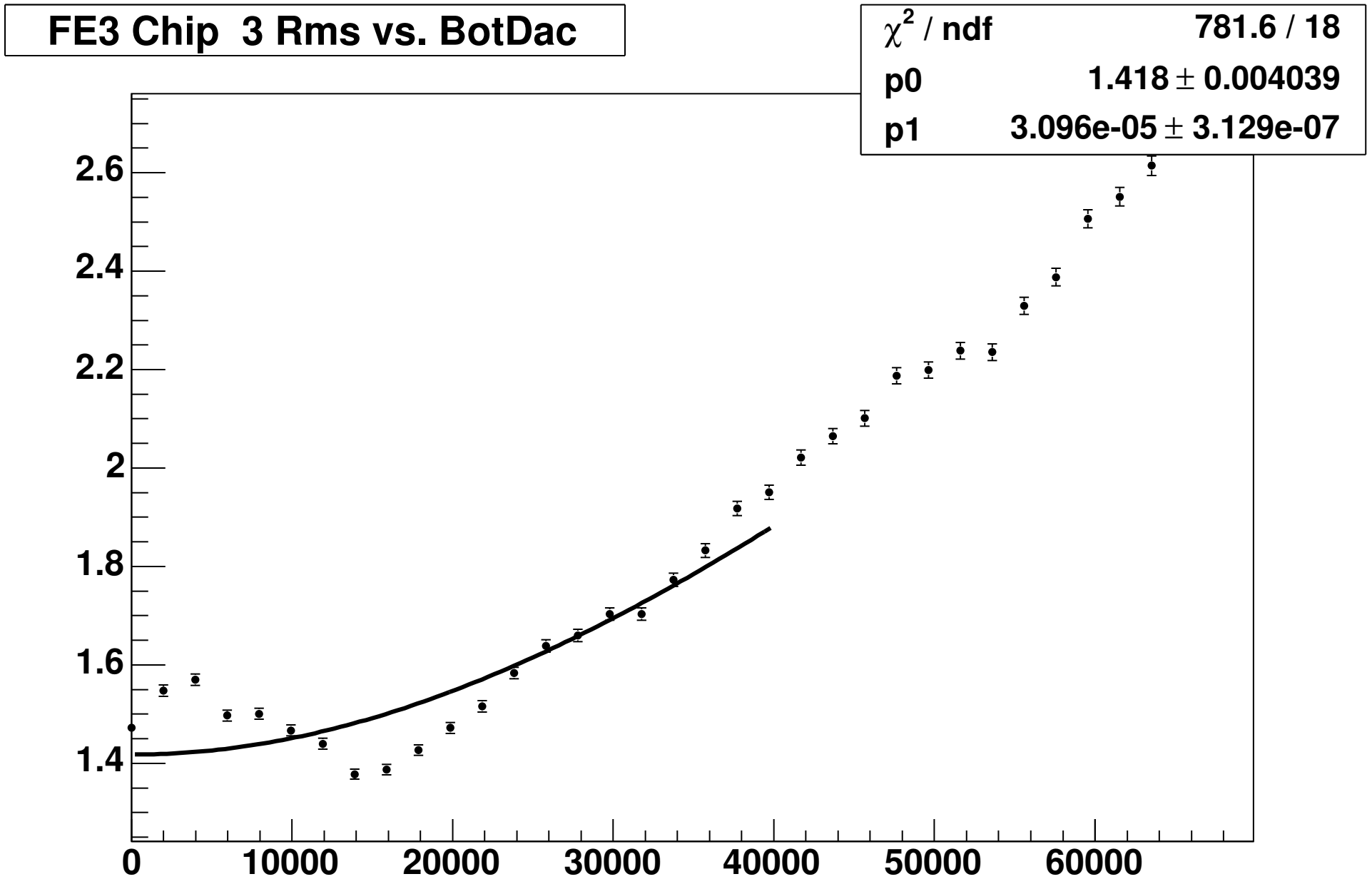

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 5.528e+04 / 18
p0 -29.61 ± 0.007532
p1 0.451 ± 3.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

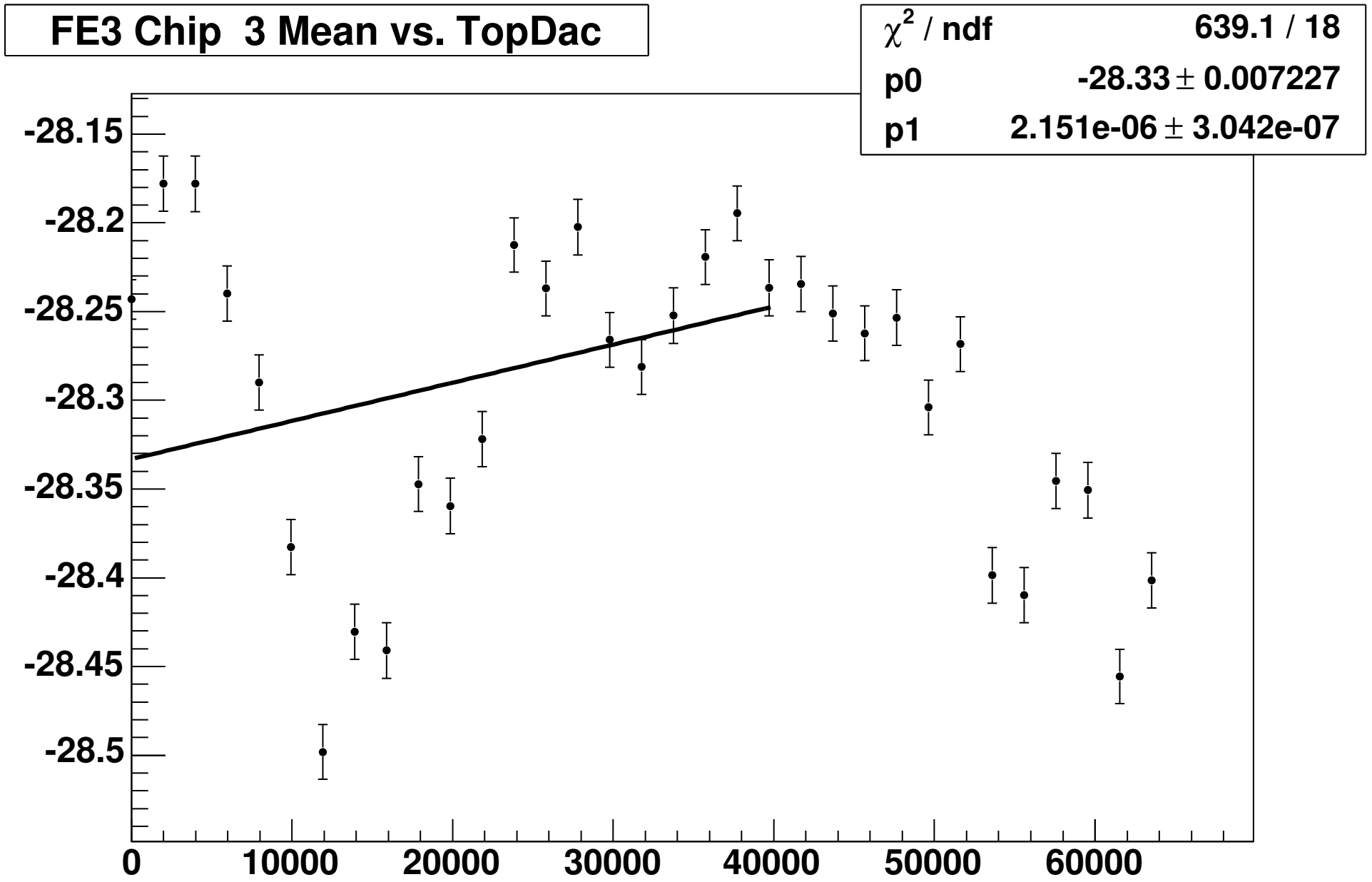

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 260.2 / 18
p0 1.43 ± 0.004062
p1 3.189e-05 ± 3.102e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

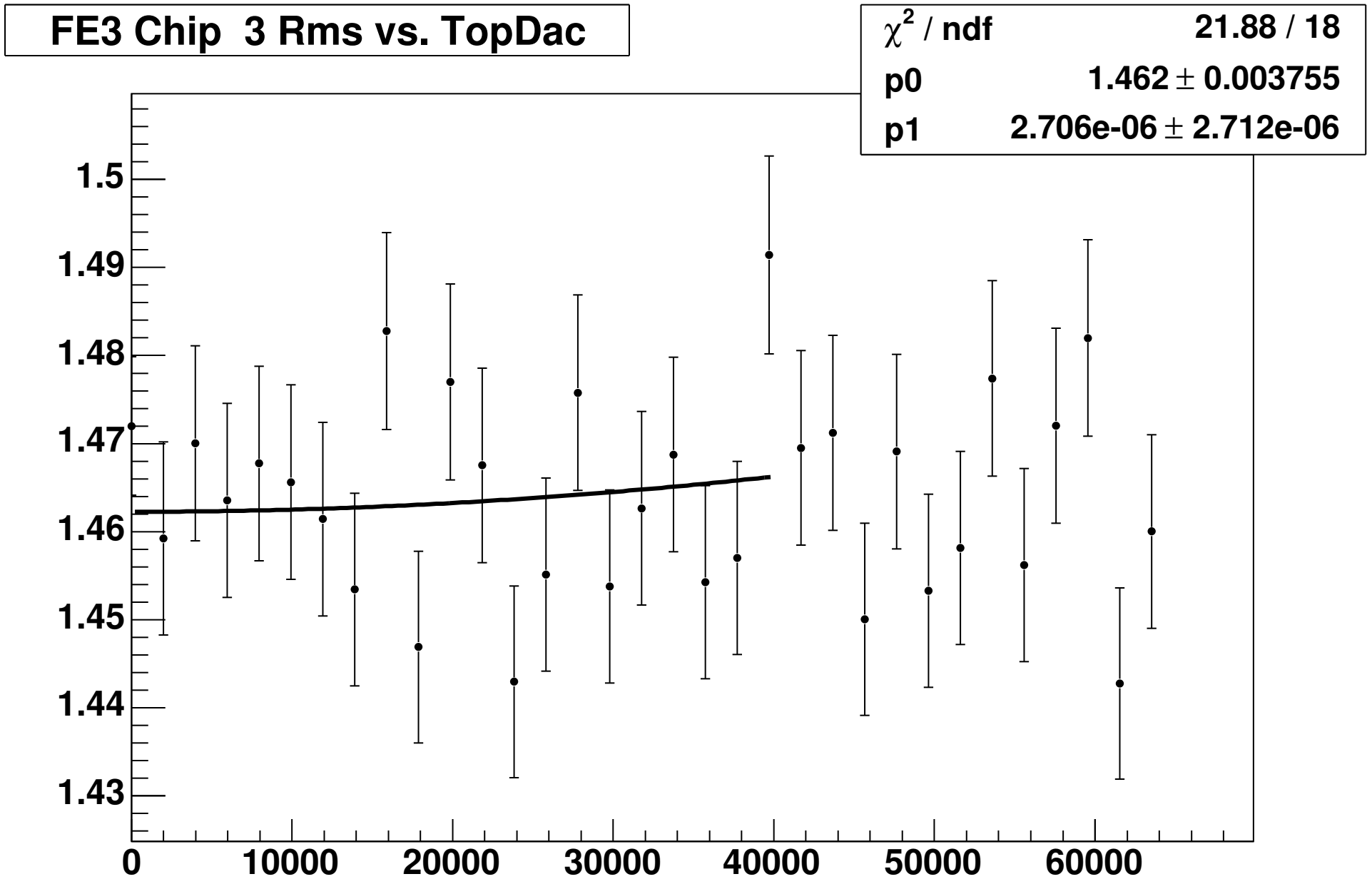

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 584.8 / 18
p0 -28 ± 0.007494
p1 2.112e-06 ± 3.15e-07
-27.8
-27.85
-27.9
-27.95
-28
-28.05
-28.1
-28.15
-28.2
0
10000
20000
30000
40000
50000
60000

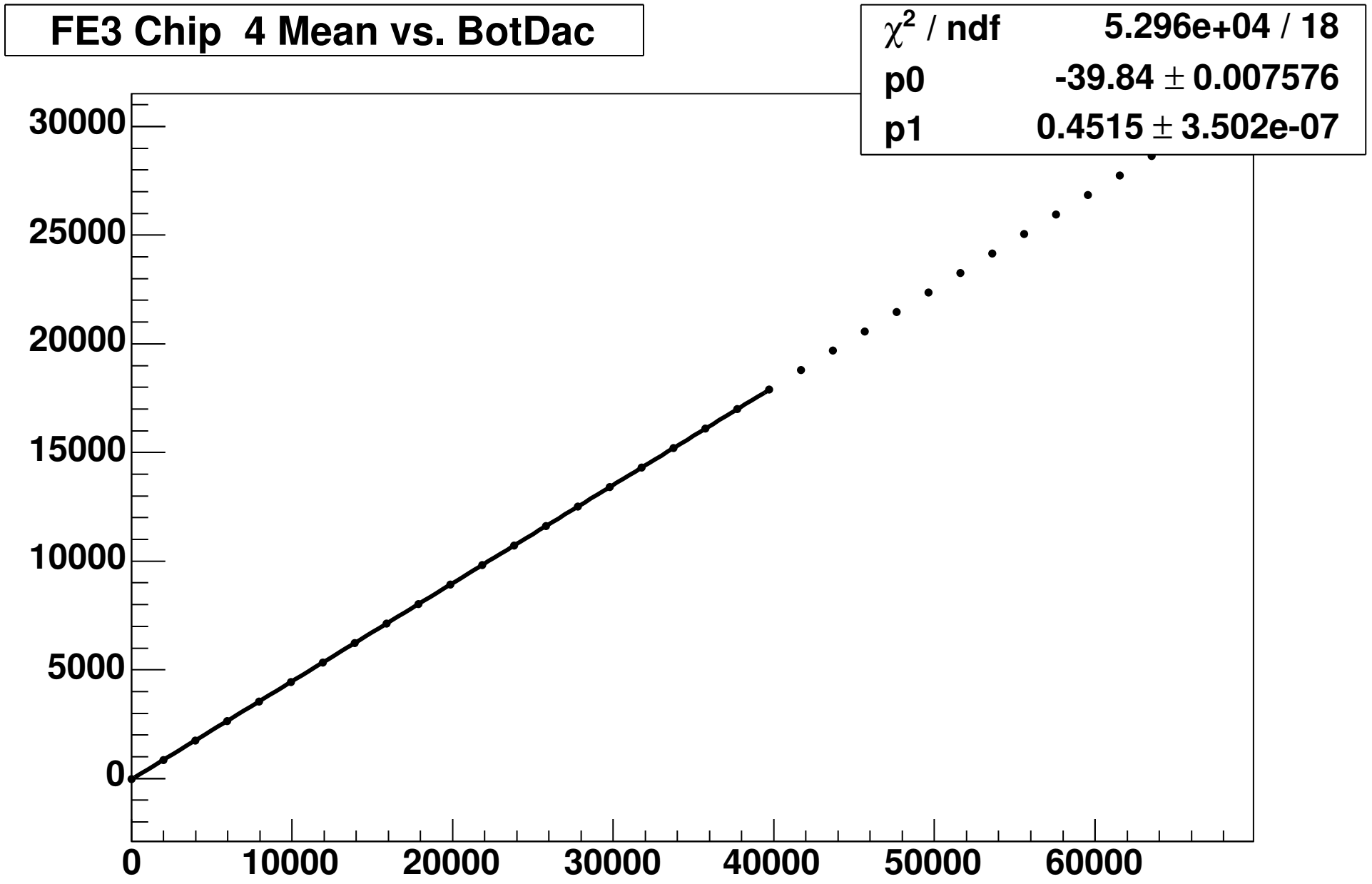

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 14.82 / 18
p0 1.518 ± 0.002556
p1 -1.683e-13 ± 5.063e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

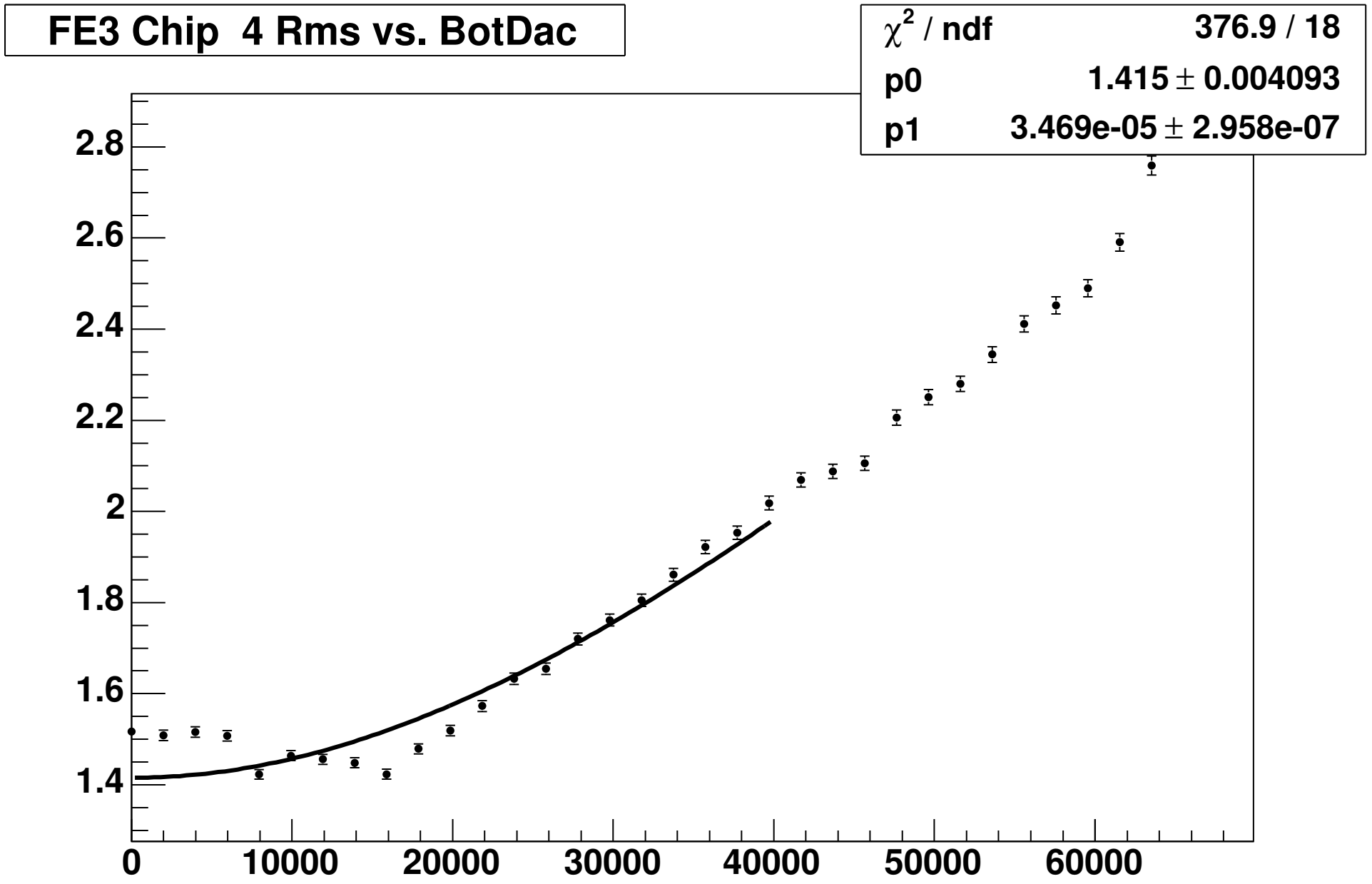

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 4.532e+04 / 18
p0 -31.13 ± 0.007611
p1 0.4511 ± 3.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

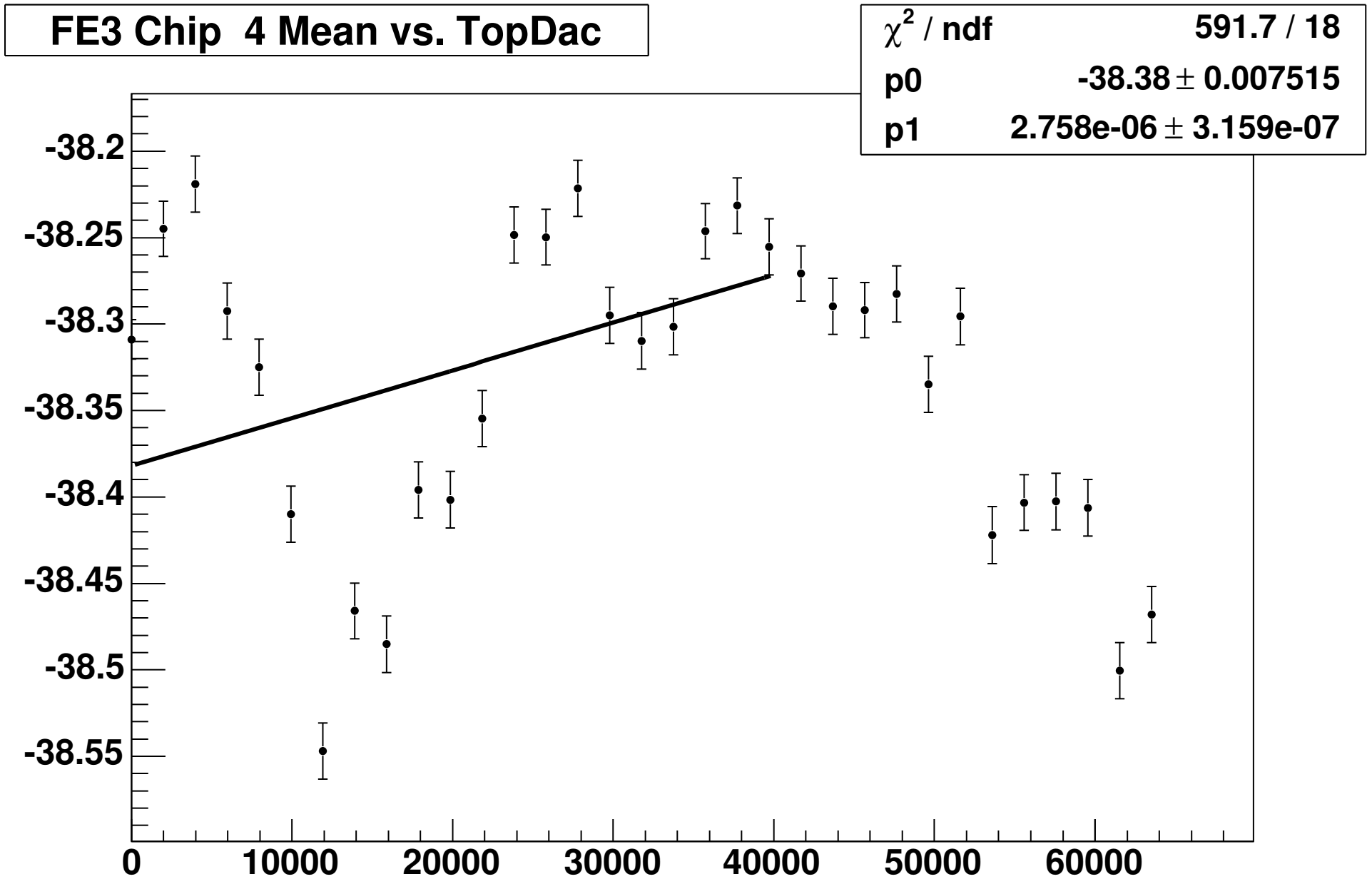

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 781.6 / 18
p0 1.418 ± 0.004039
p1 3.096e-05 ± 3.129e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

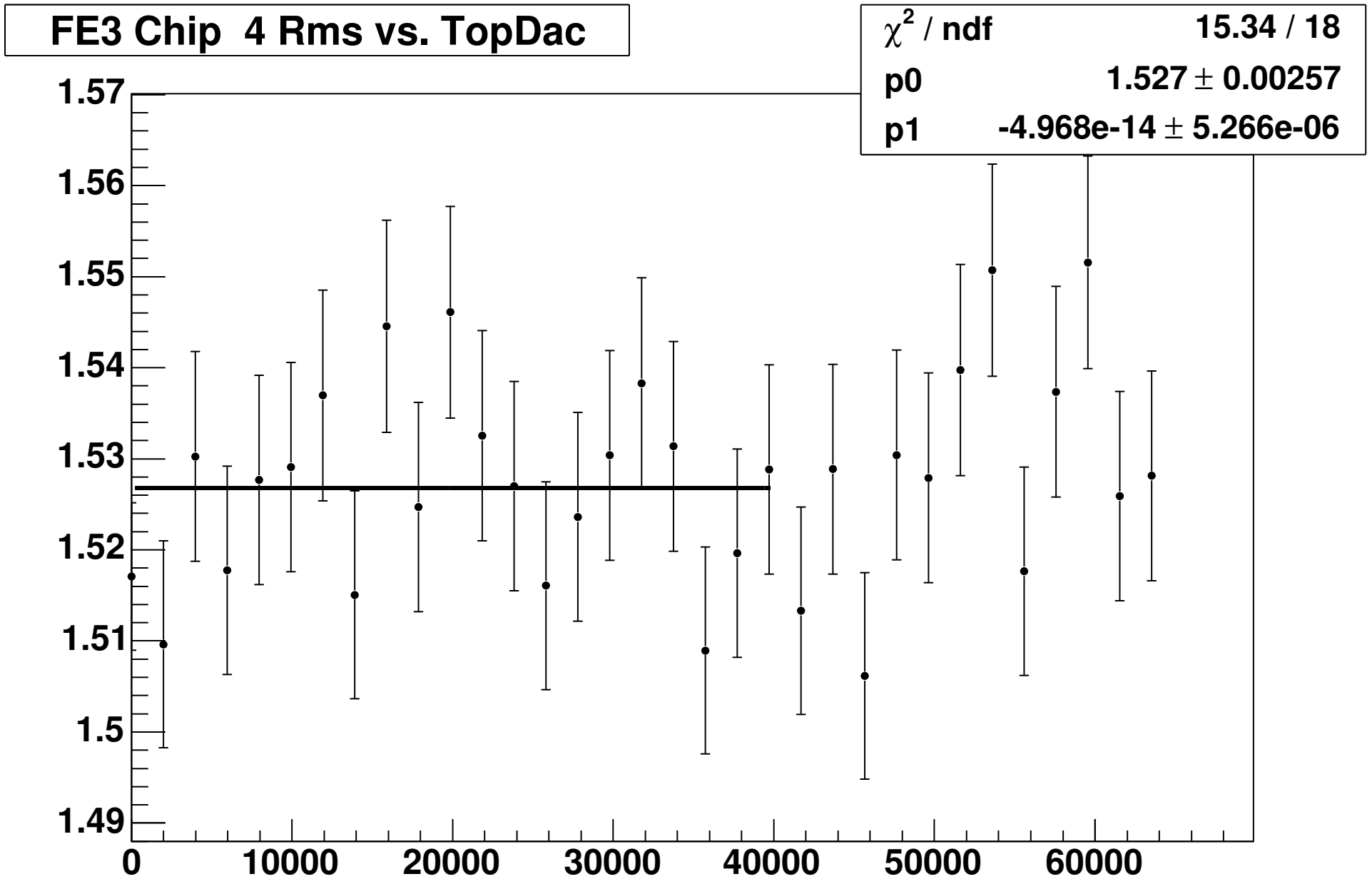

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 639.1 / 18
p0 -28.33 ± 0.007227
p1 2.151e-06 ± 3.042e-07
-28.15
-28.2
-28.25
-28.3
-28.35
-28.4
-28.45
-28.5
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 21.88 / 18
p0 1.462 ± 0.003755
p1 2.706e-06 ± 2.712e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 5.296e+04 / 18
p0 -39.84 ± 0.007576
p1 0.4515 ± 3.502e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 376.9 / 18
p0 1.415 ± 0.004093
p1 3.469e-05 ± 2.958e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 591.7 / 18
p0 -38.38 ± 0.007515
p1 2.758e-06 ± 3.159e-07
-38.2
-38.25
-38.3
-38.35
-38.4
-38.45
-38.5
-38.55
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 15.34 / 18
p0 1.527 ± 0.00257
p1 -4.968e-14 ± 5.266e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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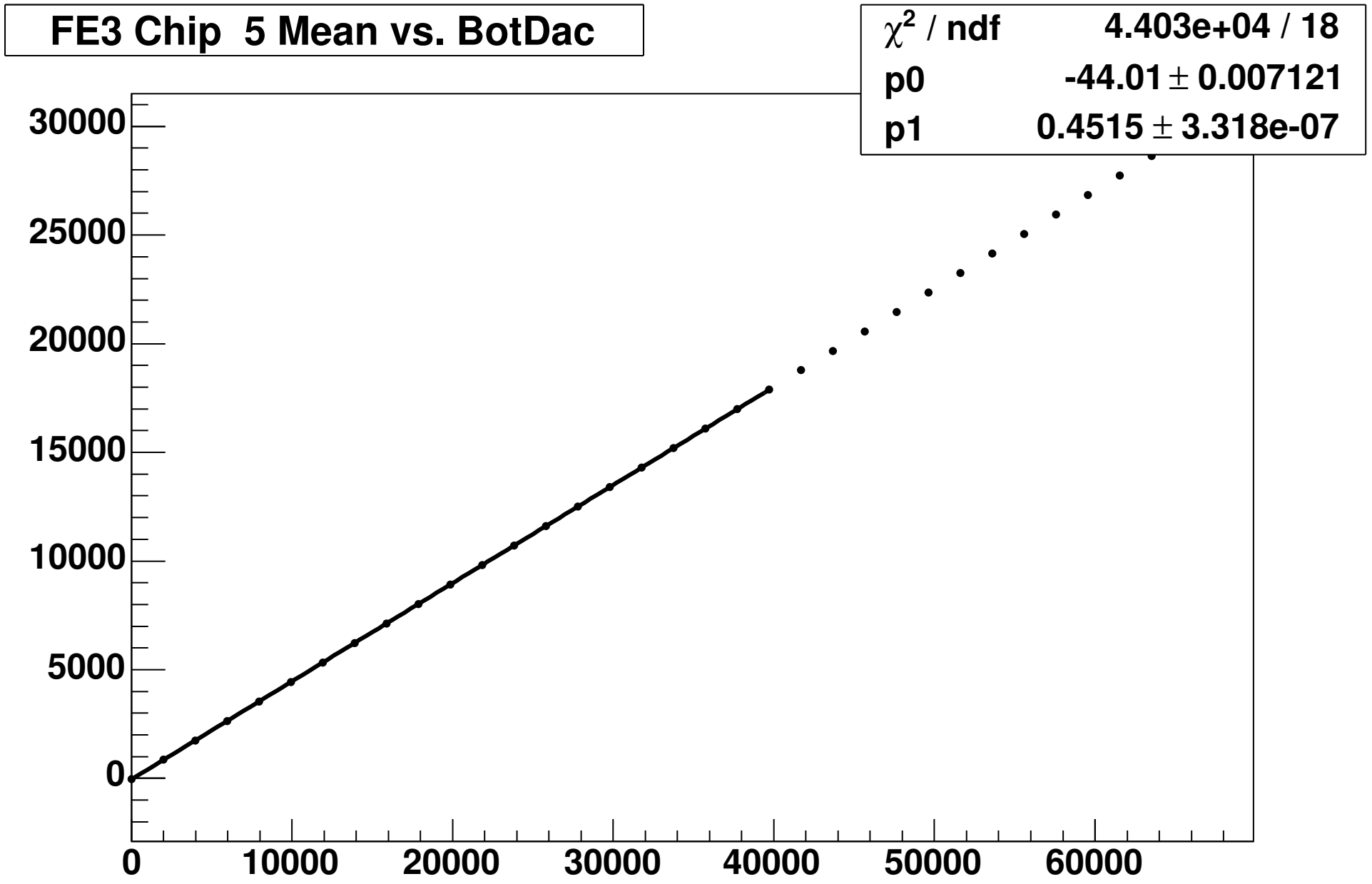
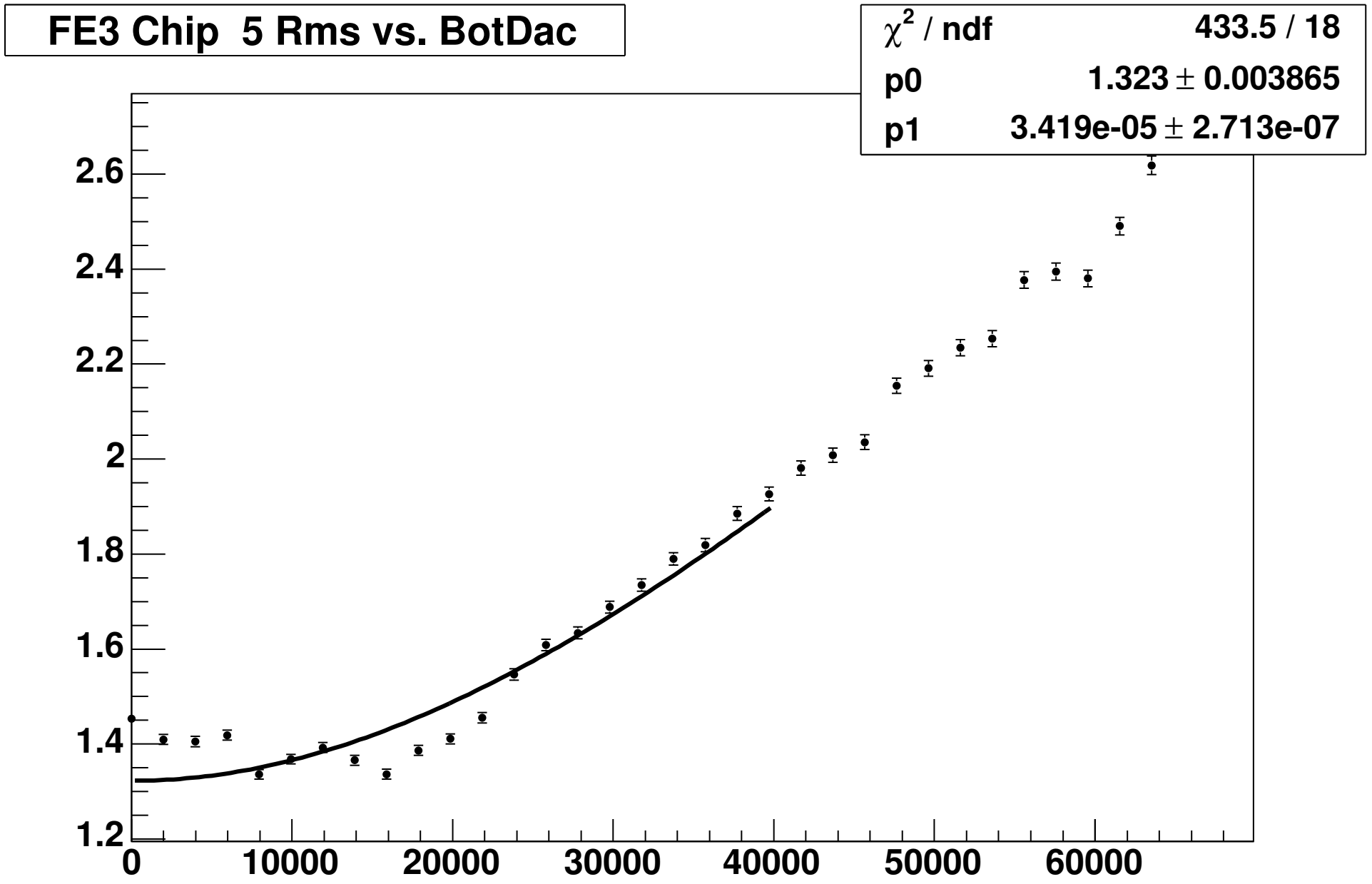
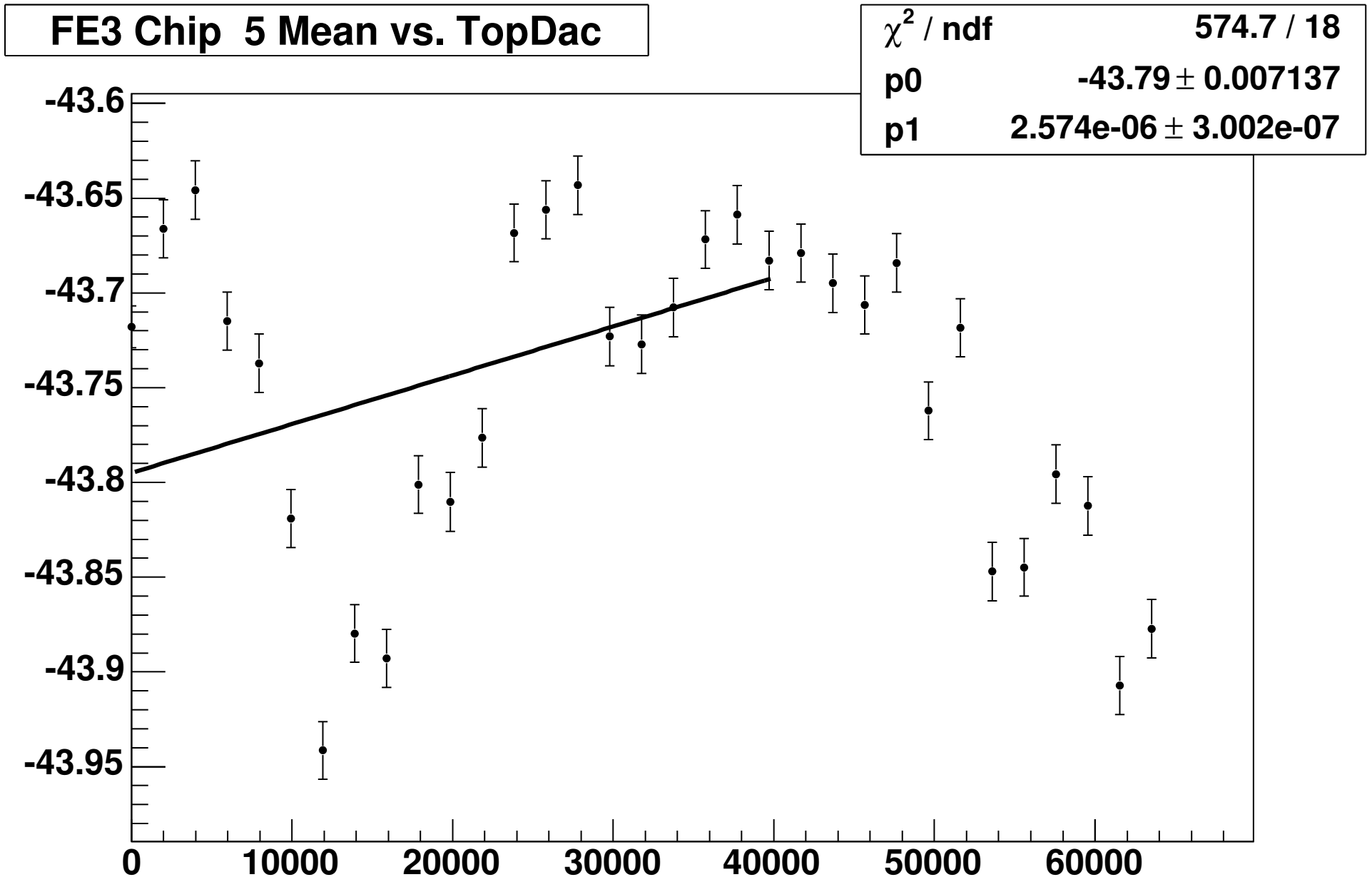
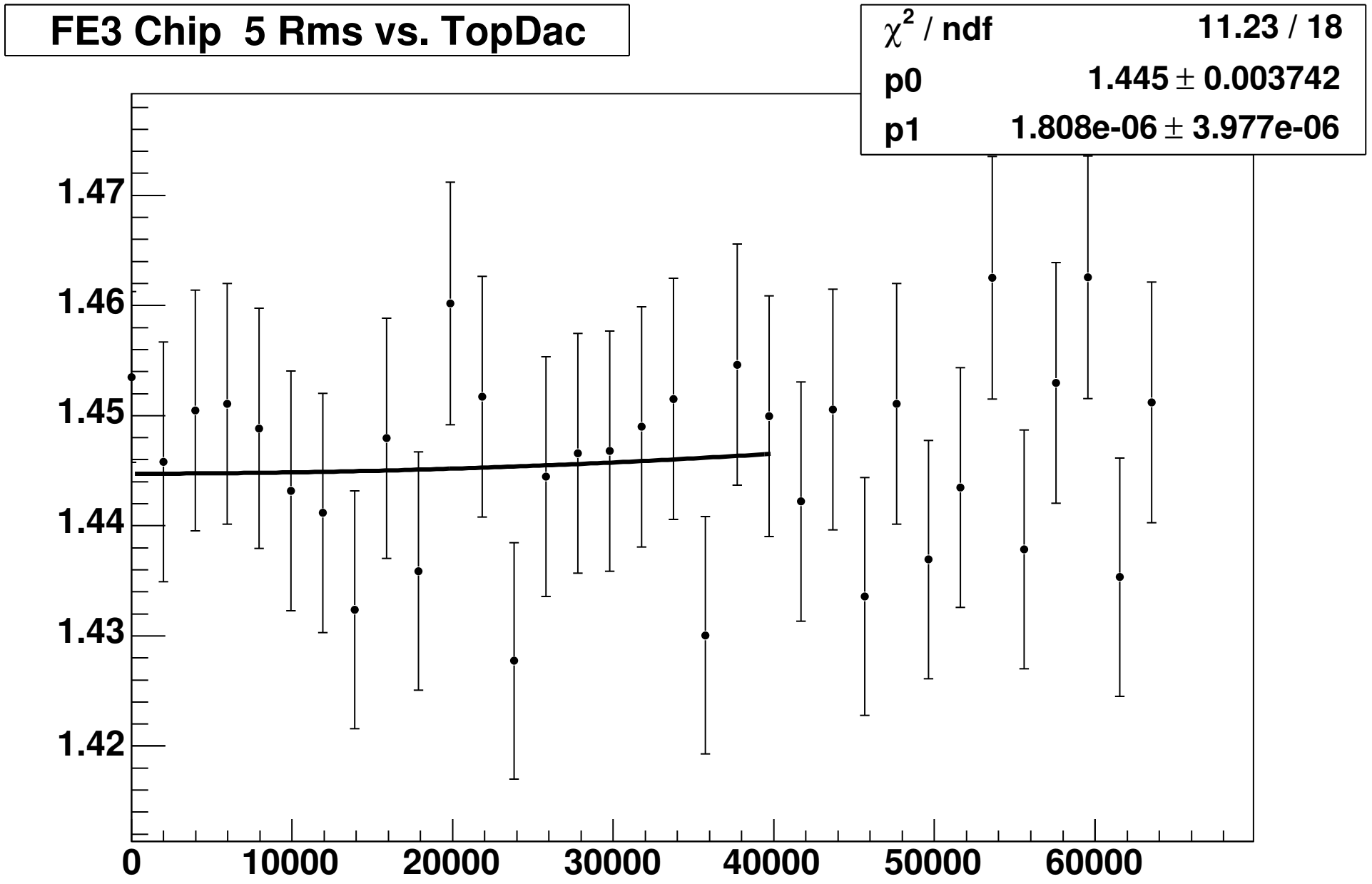
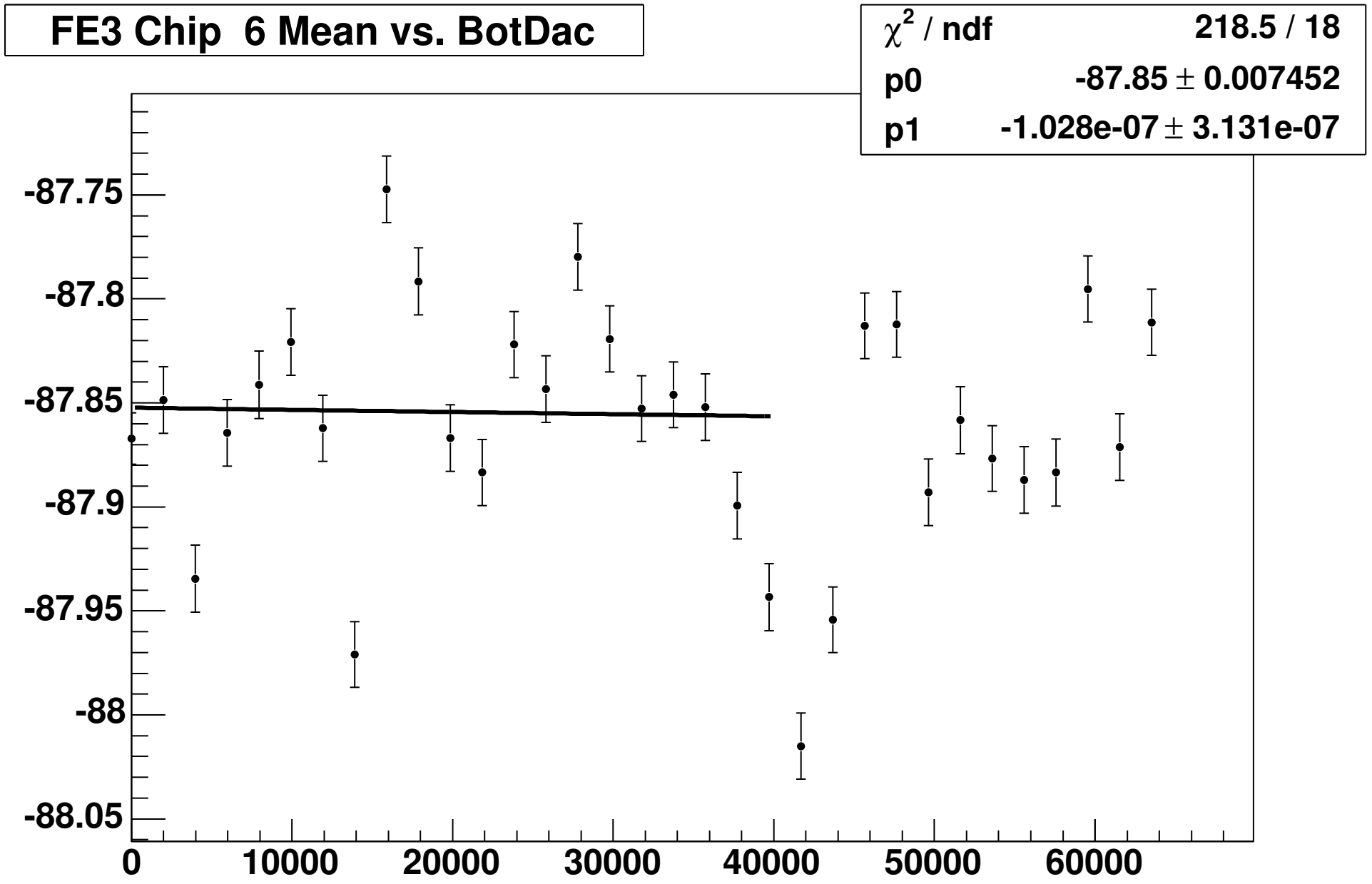
40000
50000
60000

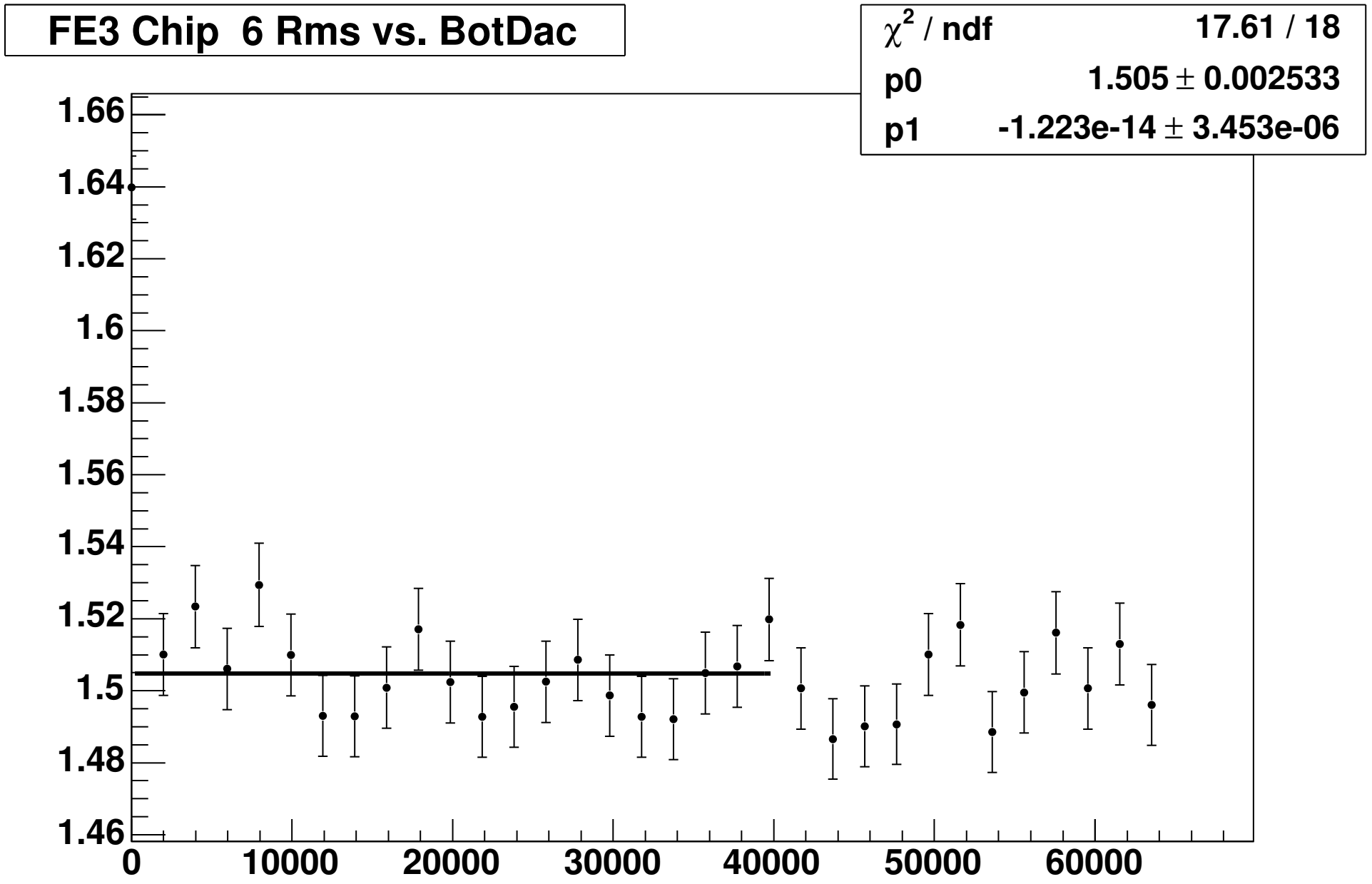

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 4.403e+04 / 18
p0 -44.01 ± 0.007121
p1 0.4515 ± 3.318e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 433.5 / 18
p0 1.323 ± 0.003865
p1 3.419e-05 ± 2.713e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 574.7 / 18
p0 -43.79 ± 0.007137
p1 2.574e-06 ± 3.002e-07
-43.6
-43.65
-43.7
-43.75
-43.8
-43.85
-43.9
-43.95
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 11.23 / 18
p0 1.445 ± 0.003742
p1 1.808e-06 ± 3.977e-06
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 218.5 / 18
p0 -87.85 ± 0.007452
p1 -1.028e-07 ± 3.131e-07
-87.75
-87.8
-87.85
-87.9
-87.95
-88
-88.05
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 17.61 / 18
p0 1.505 ± 0.002533
p1 -1.223e-14 ± 3.453e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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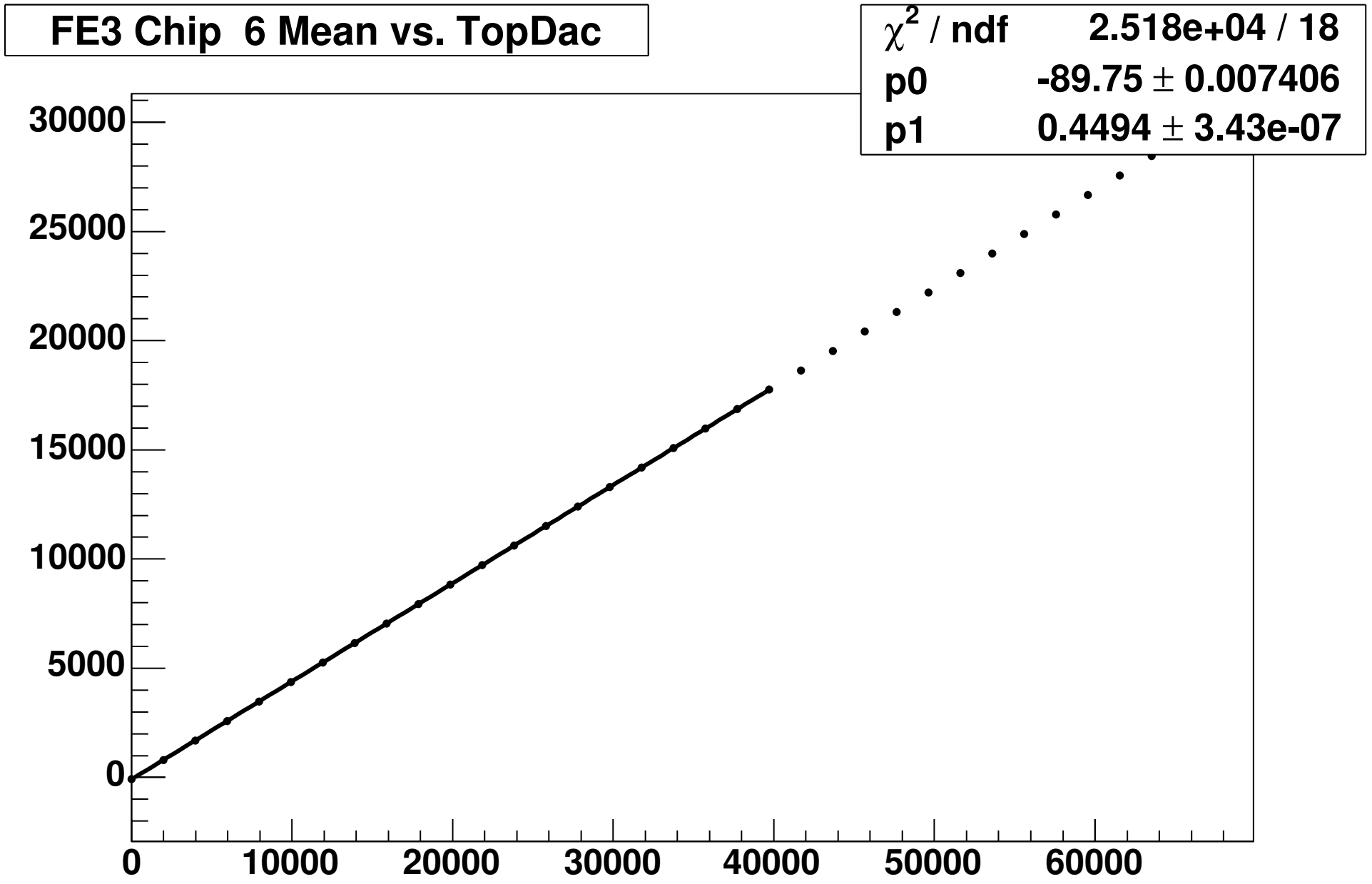
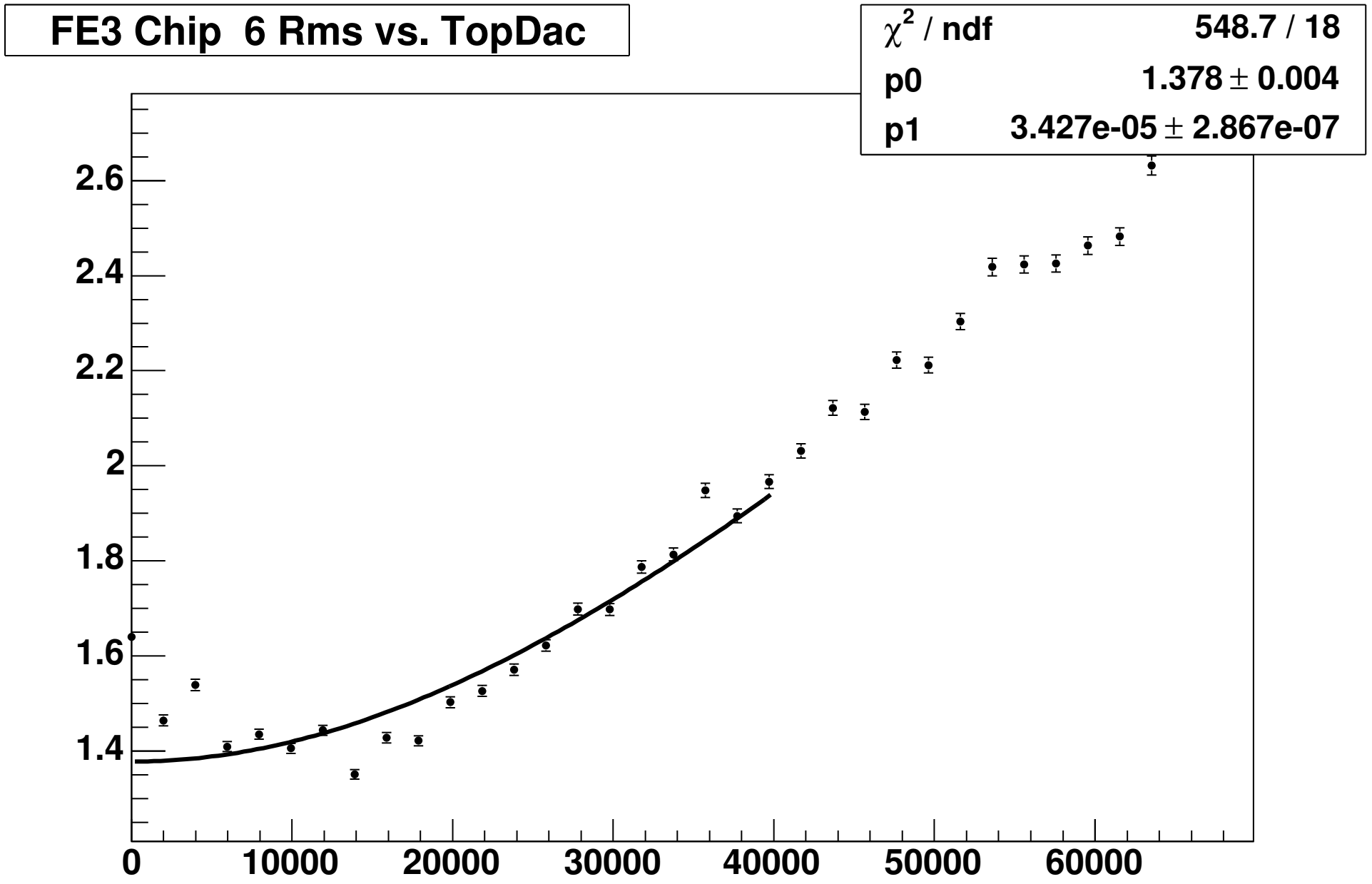
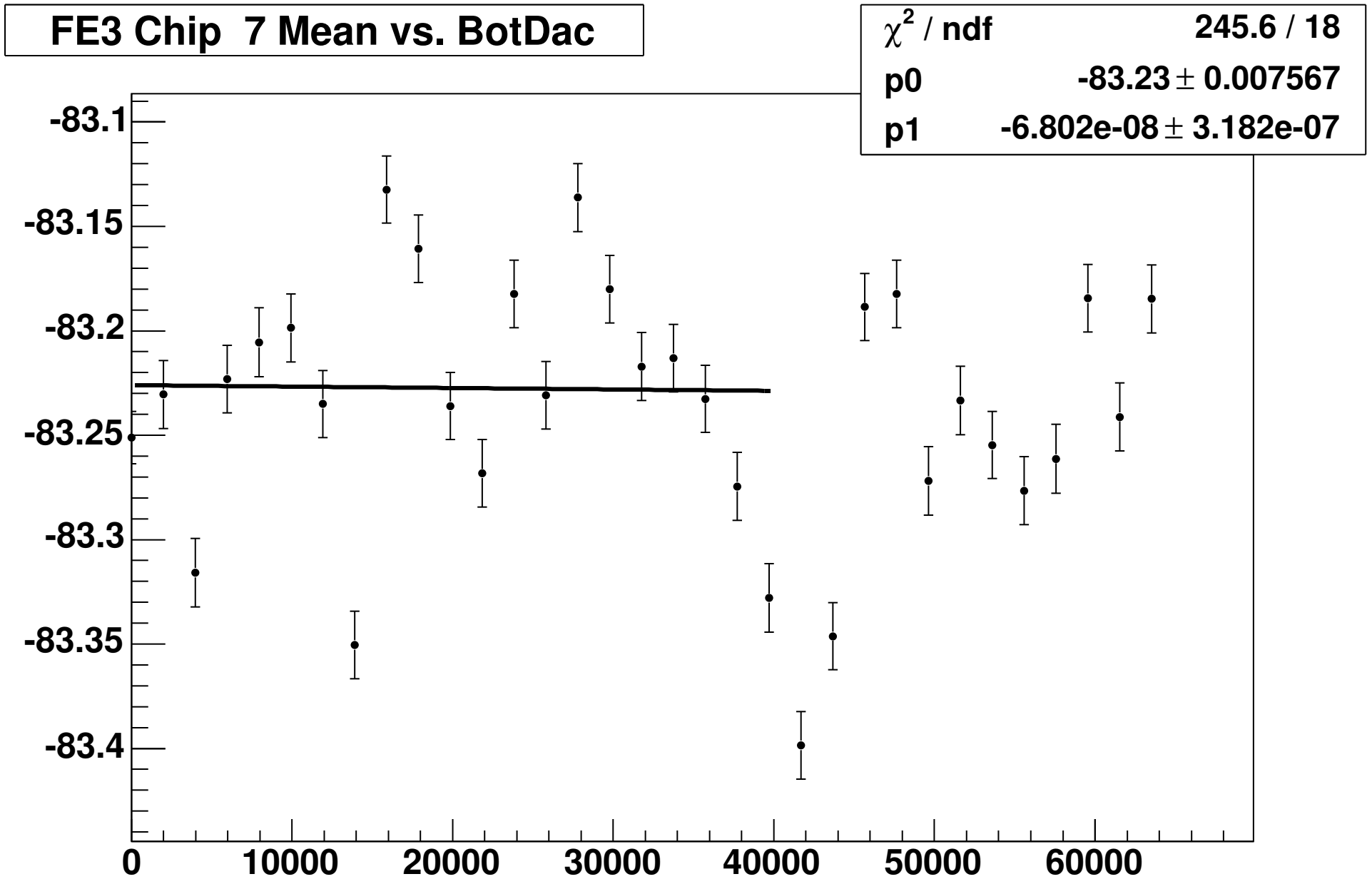
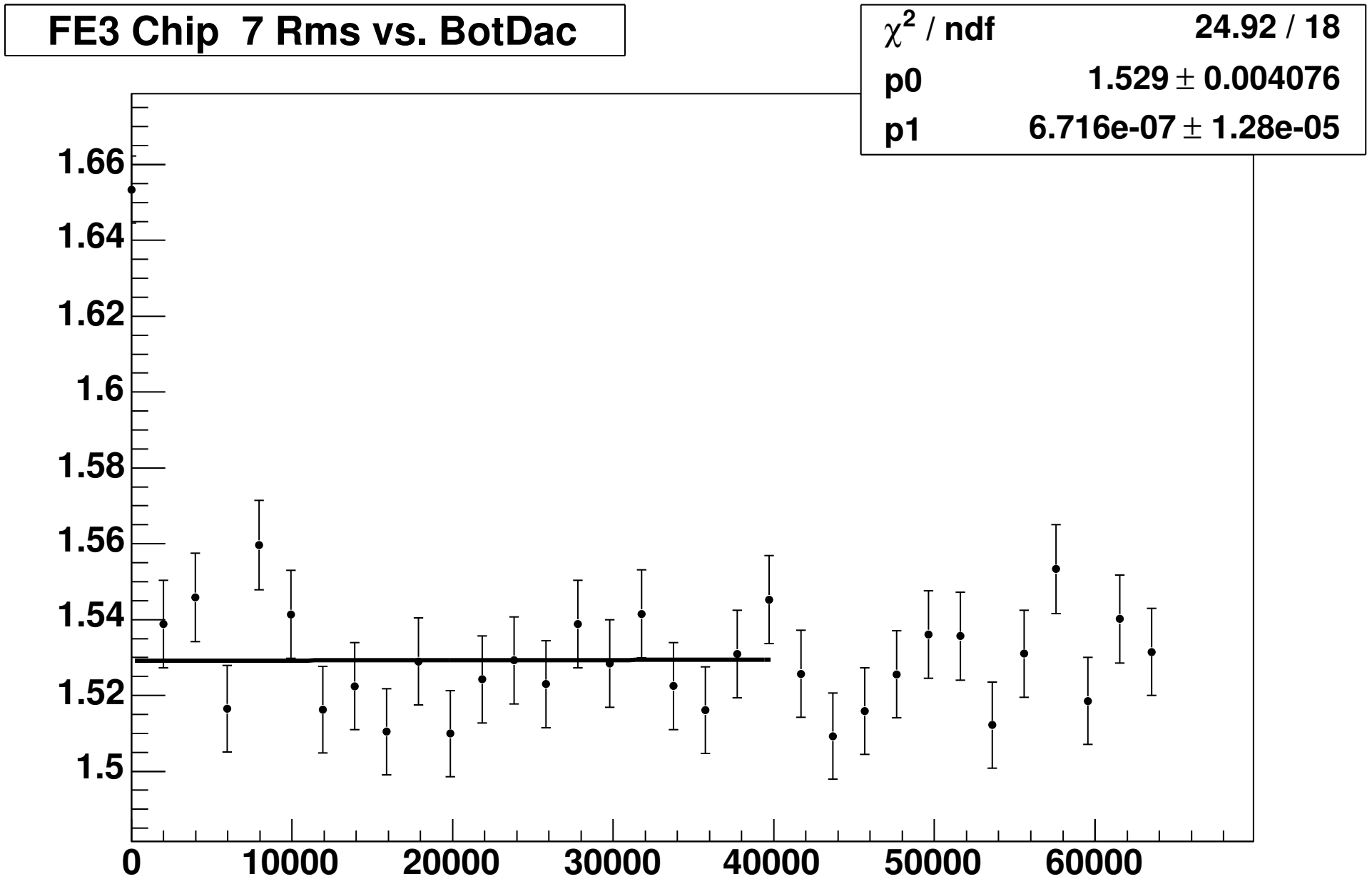
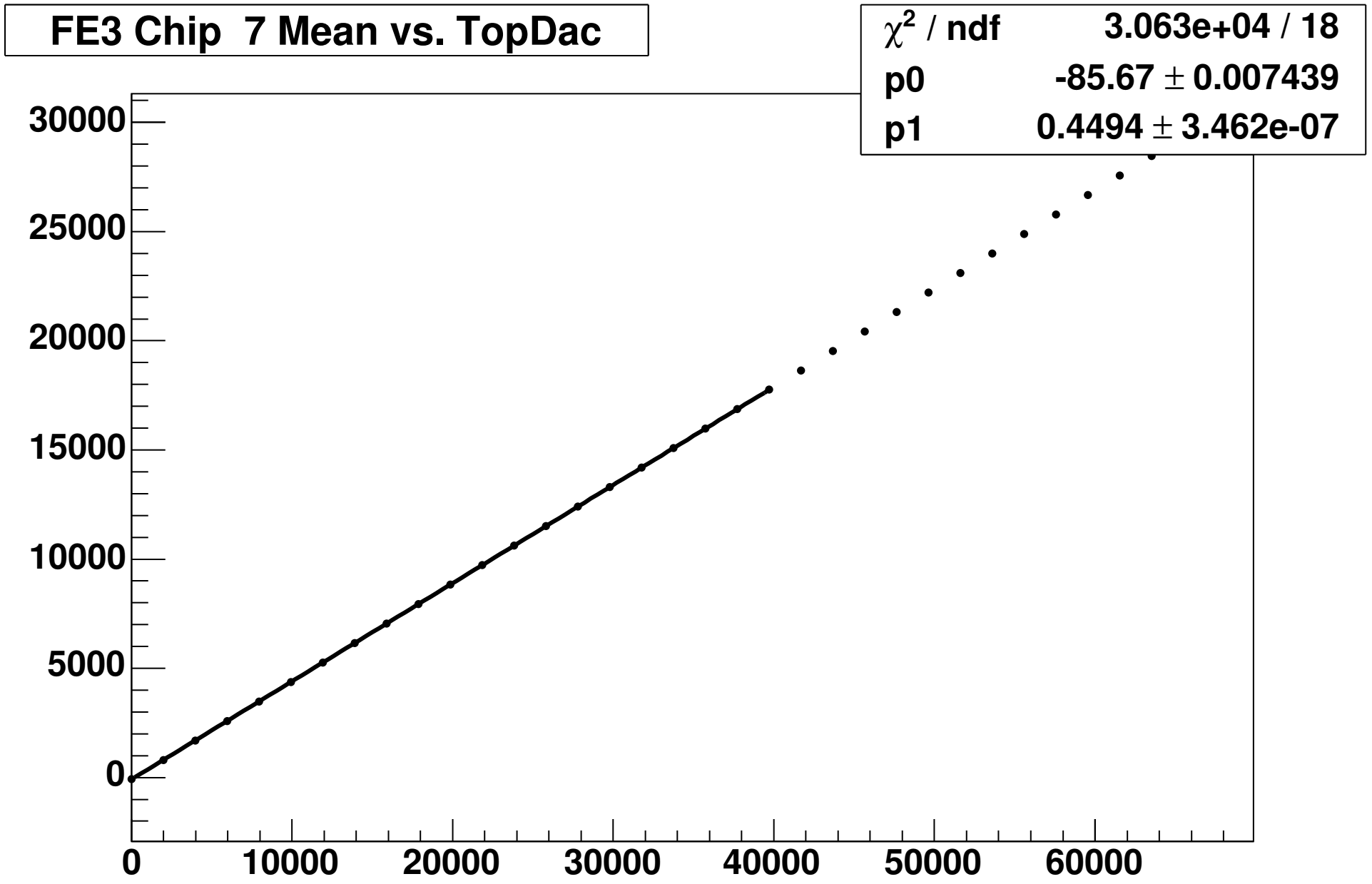
30000
40000
50000
60000

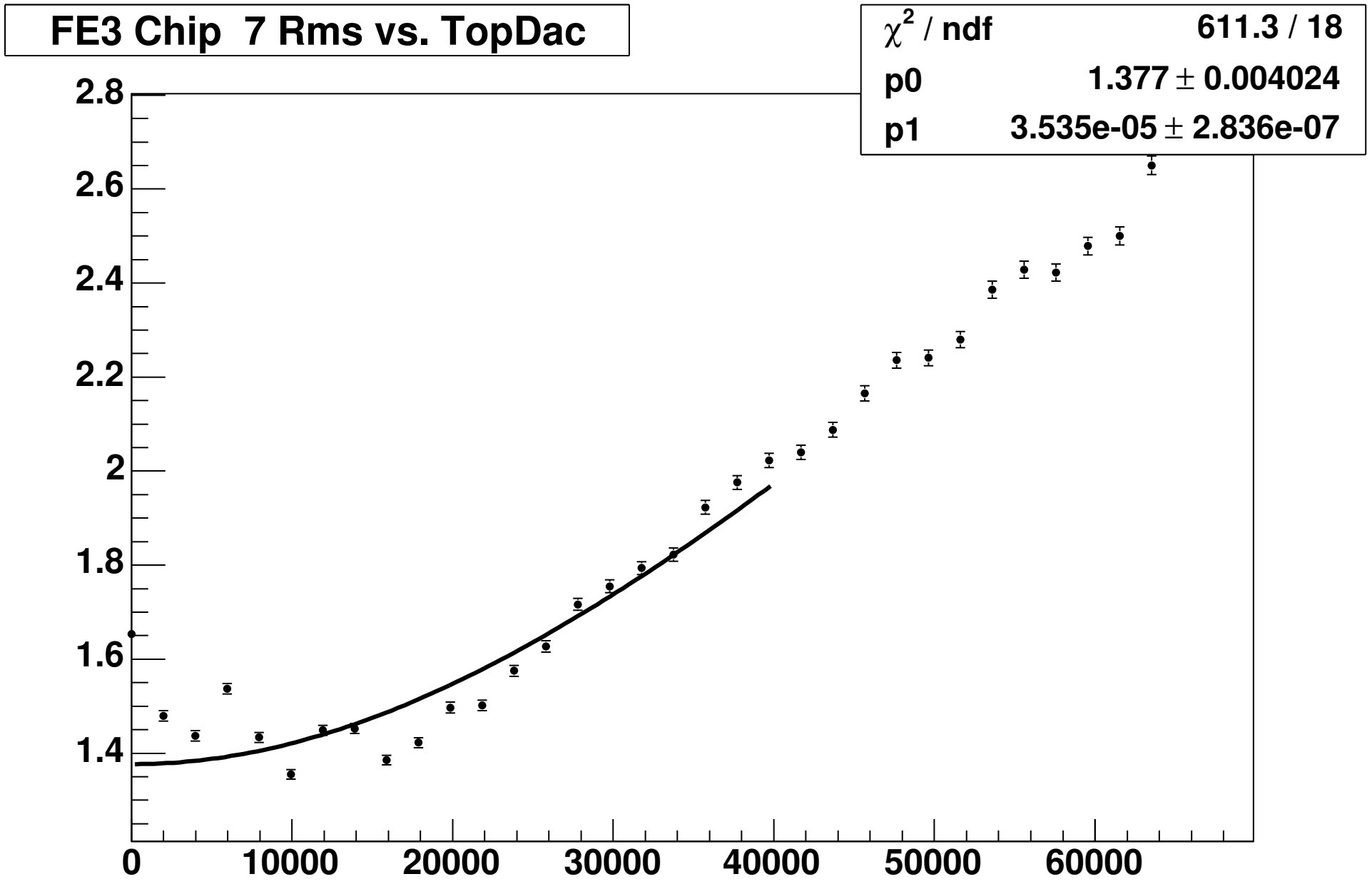

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 2.518e+04 / 18
p0 -89.75 ± 0.007406
p1 0.4494 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

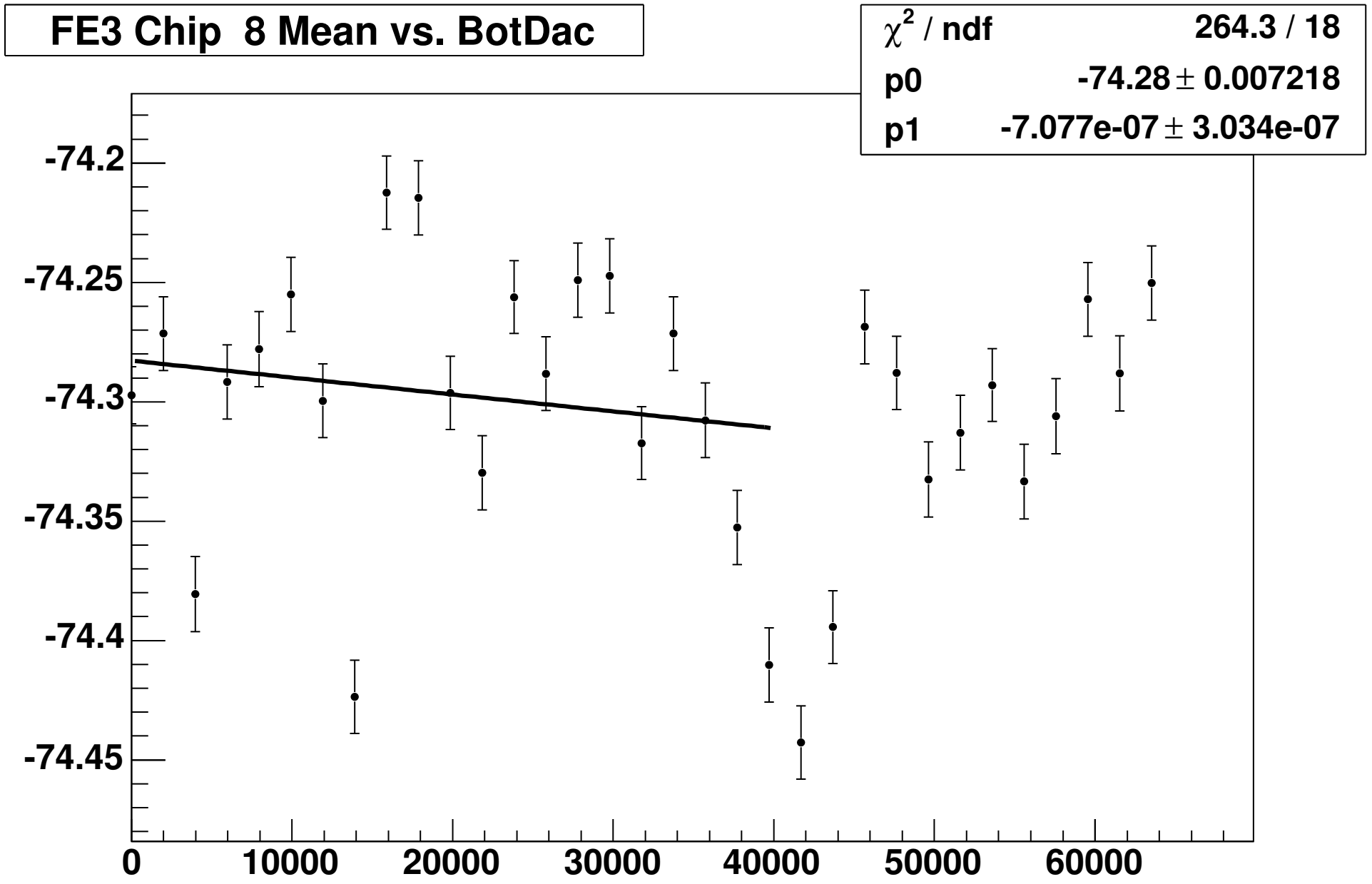

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 548.7 / 18
p0 1.378 ± 0.004
p1 3.427e-05 ± 2.867e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

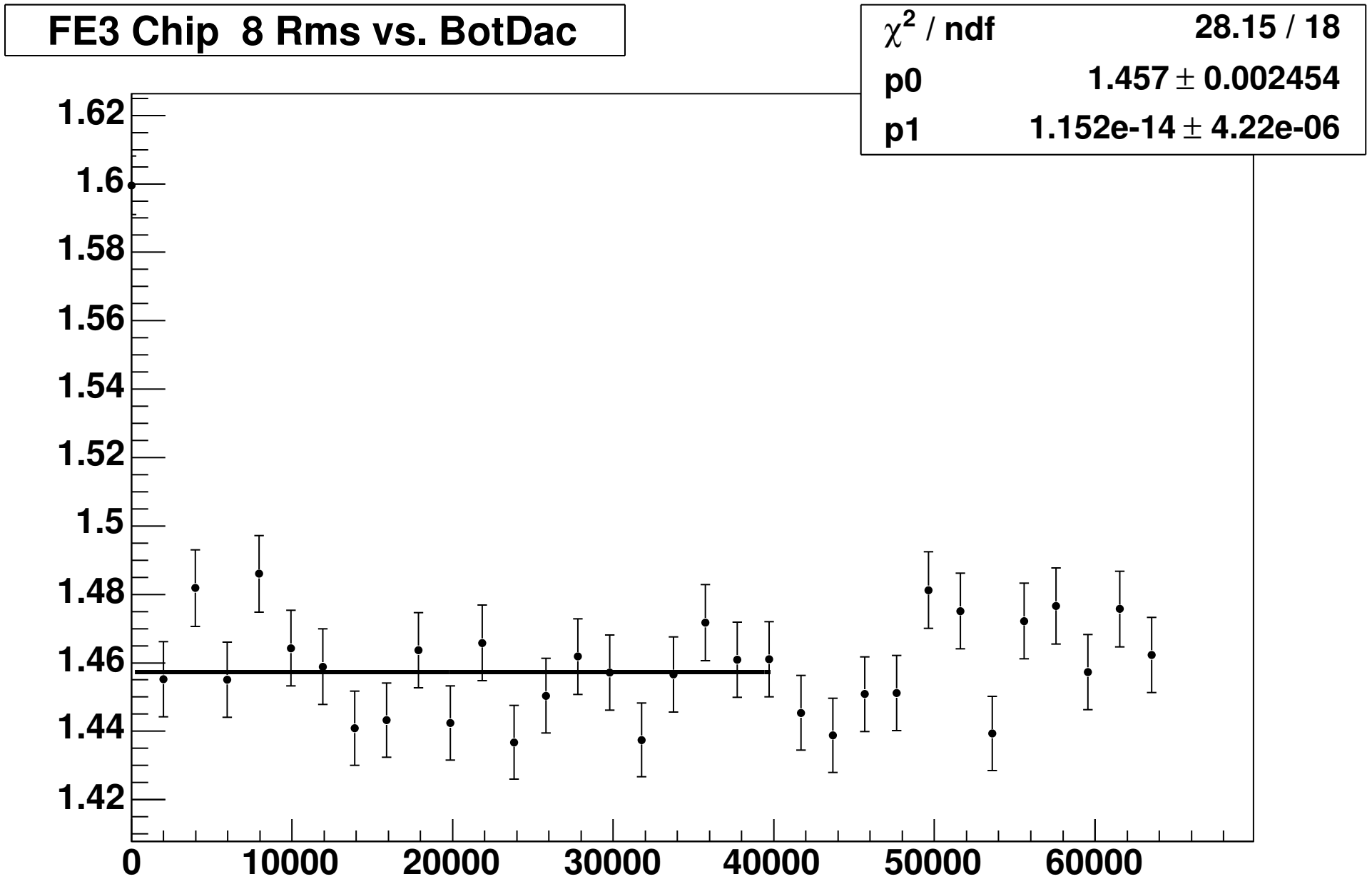

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 245.6 / 18
p0 -83.23 ± 0.007567
p1 -6.802e-08 ± 3.182e-07
-83.1
-83.15
-83.2
-83.25
-83.3
-83.35
-83.4
0
10000
20000
30000
40000
50000
60000

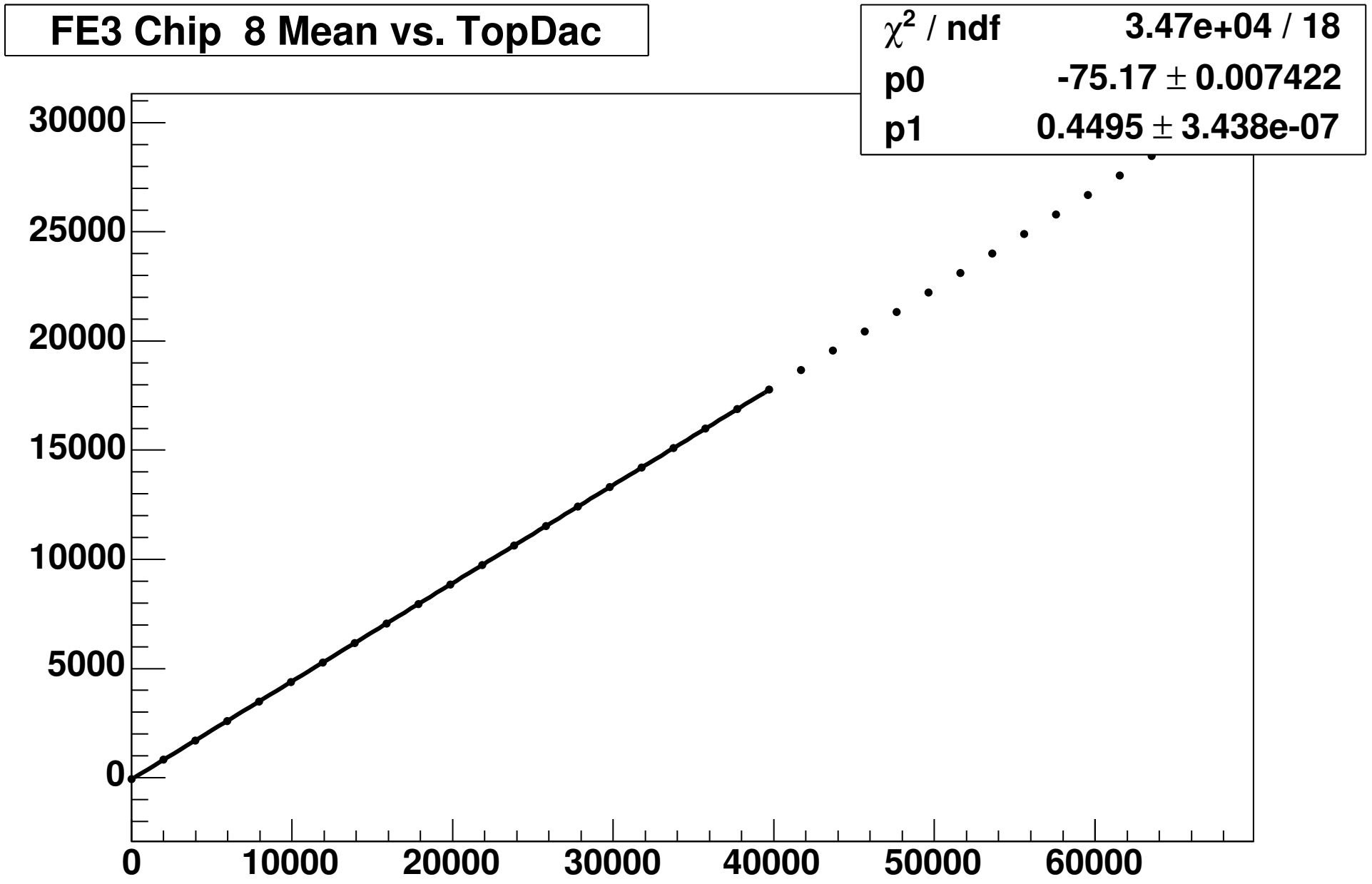

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 24.92 / 18
p0 1.529 ± 0.004076
p1 6.716e-07 ± 1.28e-05
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

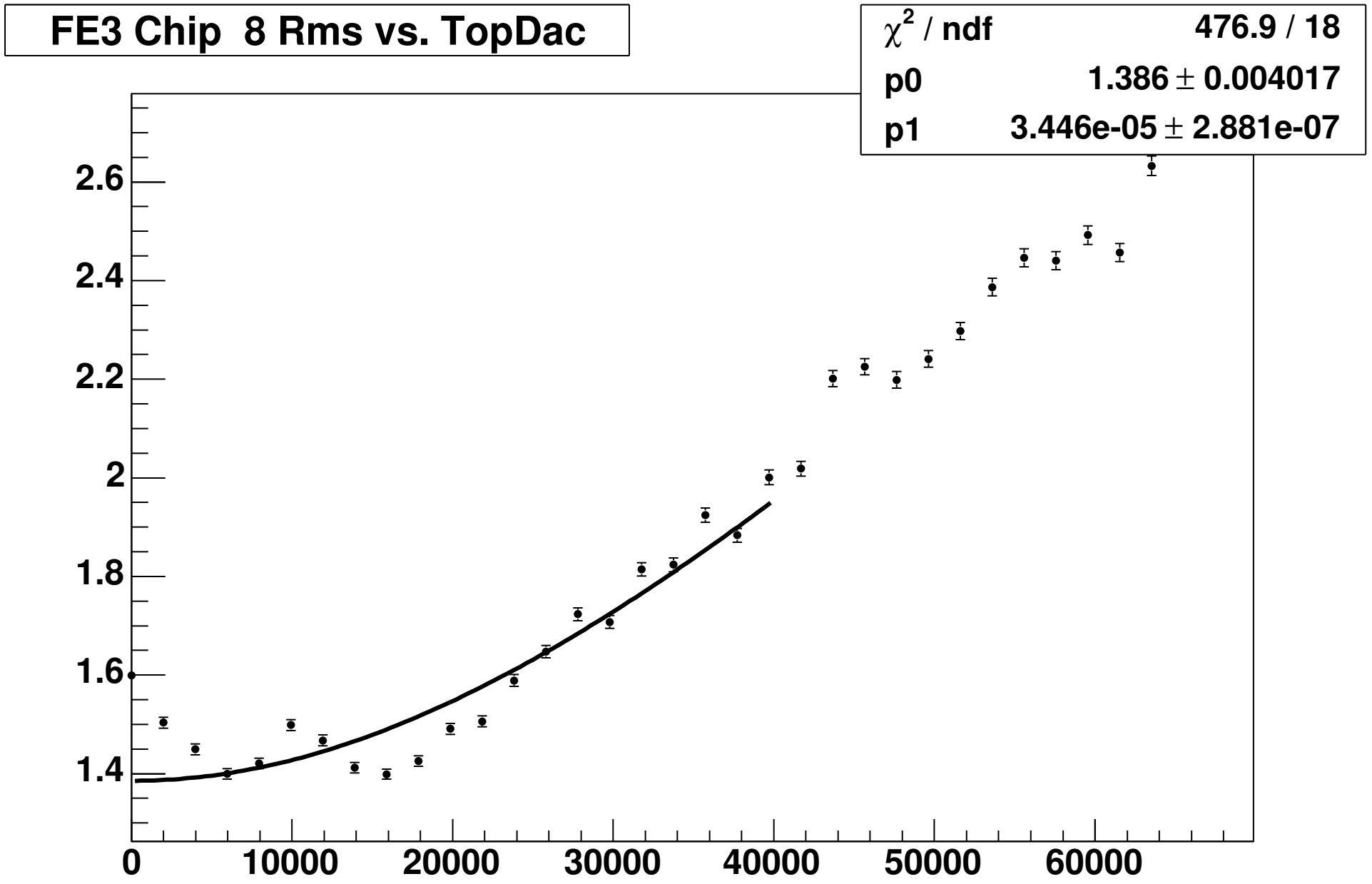

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 3.063e+04 / 18
p0 -85.67 ± 0.007439
p1 0.4494 ± 3.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

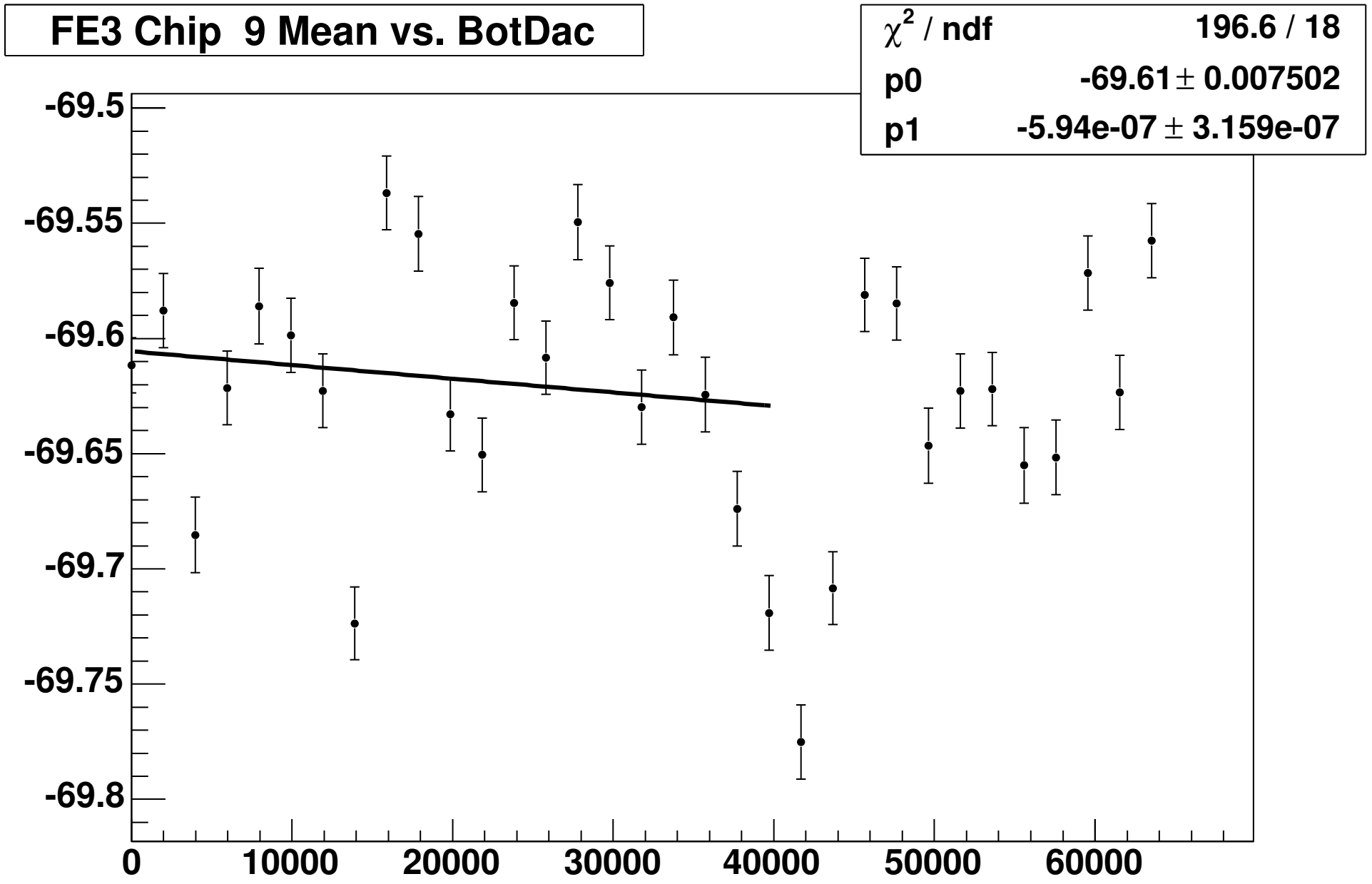

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 611.3 / 18
p0 1.377 ± 0.004024
p1 3.535e-05 ± 2.836e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

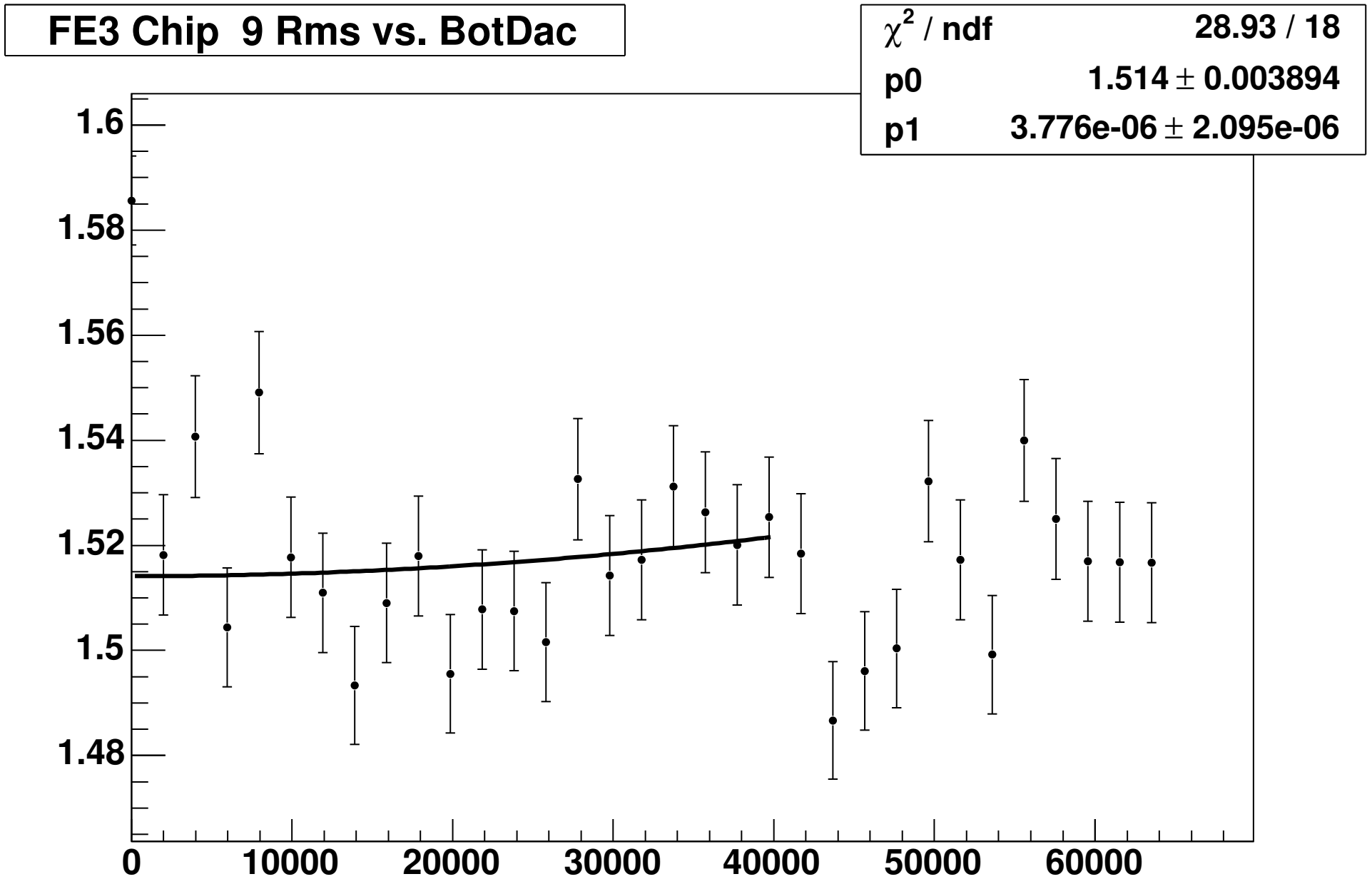

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 264.3 / 18
p0 -74.28 ± 0.007218
p1 -7.077e-07 ± 3.034e-07
-74.2
-74.25
-74.3
-74.35
-74.4
-74.45
0
10000
20000
30000
40000
50000
60000

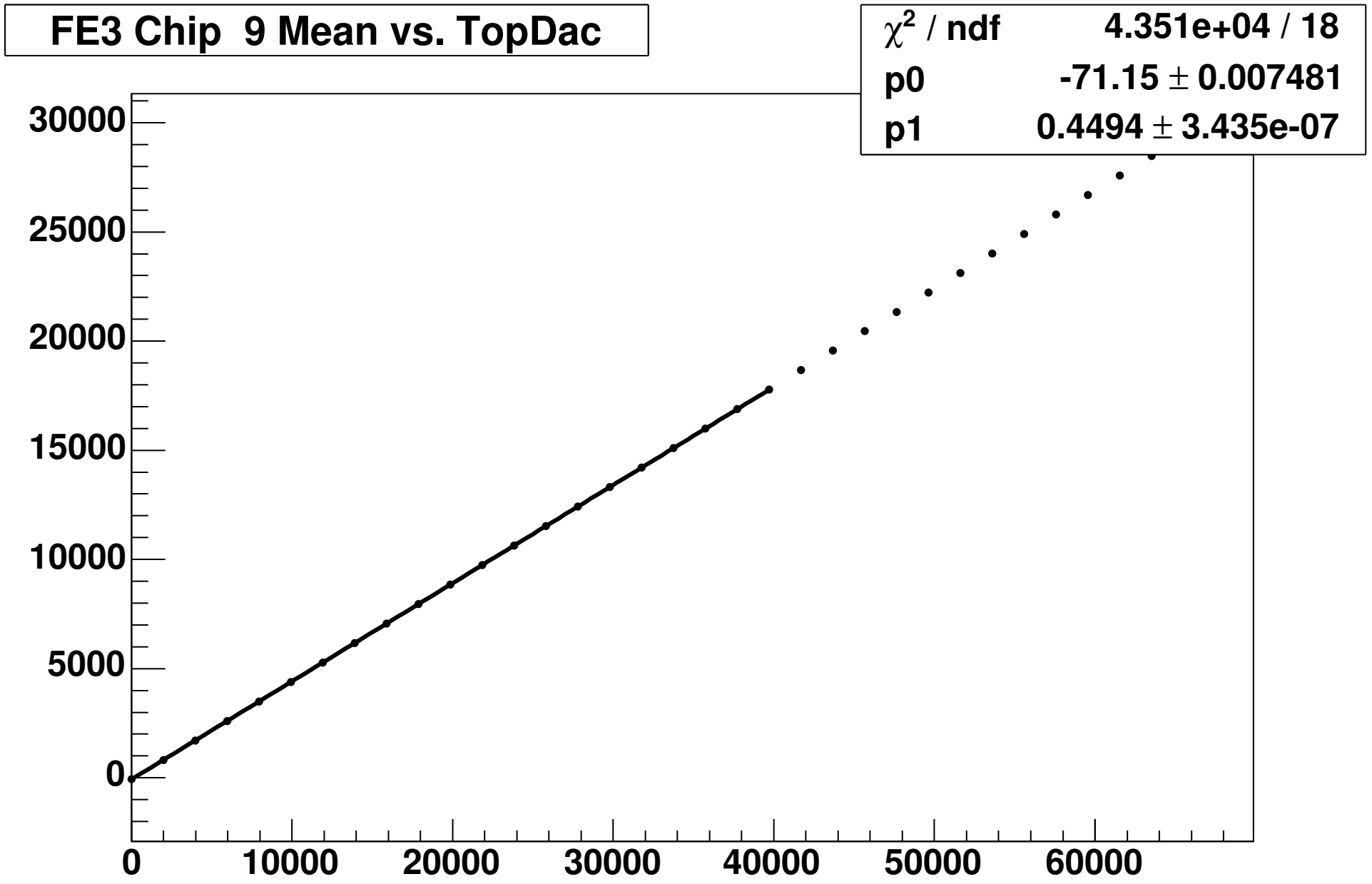

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 28.15 / 18
p0 1.457 ± 0.002454
p1 1.152e-14 ± 4.22e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 3.47e+04 / 18
p0 -75.17 ± 0.007422
p1 0.4495 ± 3.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 476.9 / 18
p0 1.386 ± 0.004017
p1 3.446e-05 ± 2.881e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 196.6 / 18
p0 -69.61 ± 0.007502
p1 -5.94e-07 ± 3.159e-07
-69.5
-69.55
-69.6
-69.65
-69.7
-69.75
-69.8
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 28.93 / 18
p0 1.514 ± 0.003894
p1 3.776e-06 ± 2.095e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 4.351e+04 / 18
p0 -71.15 ± 0.007481
p1 0.4494 ± 3.435e-07
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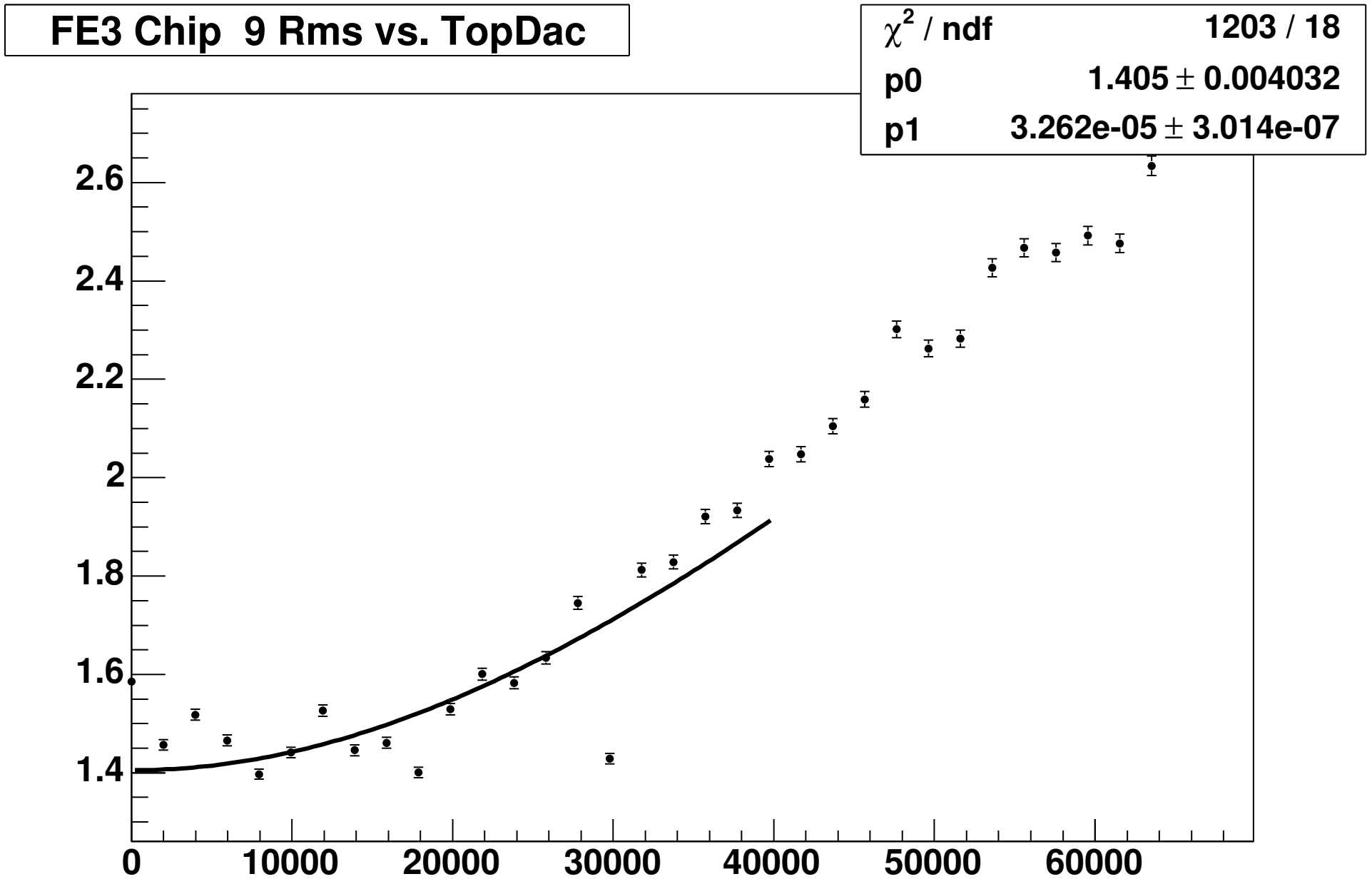
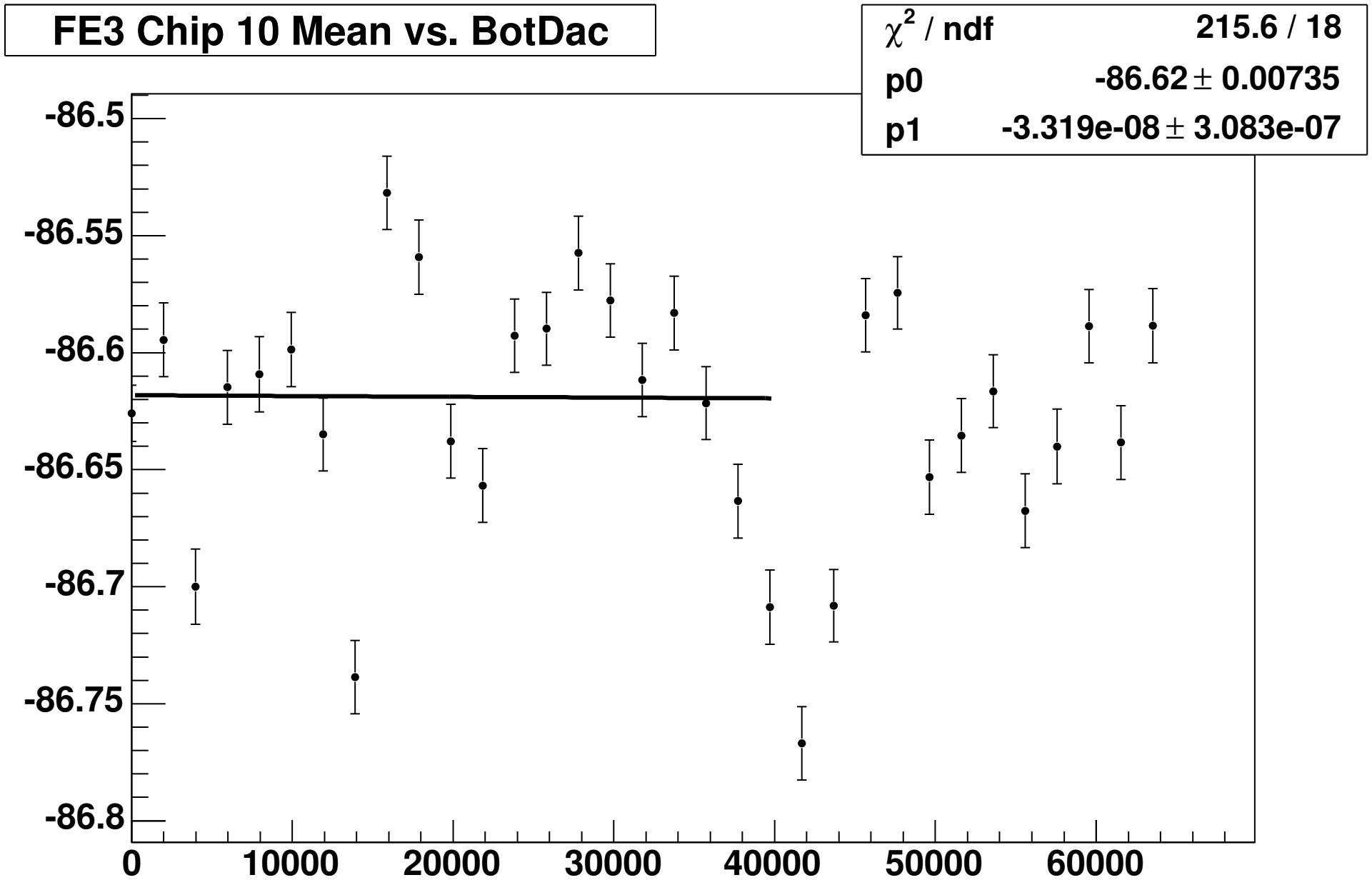
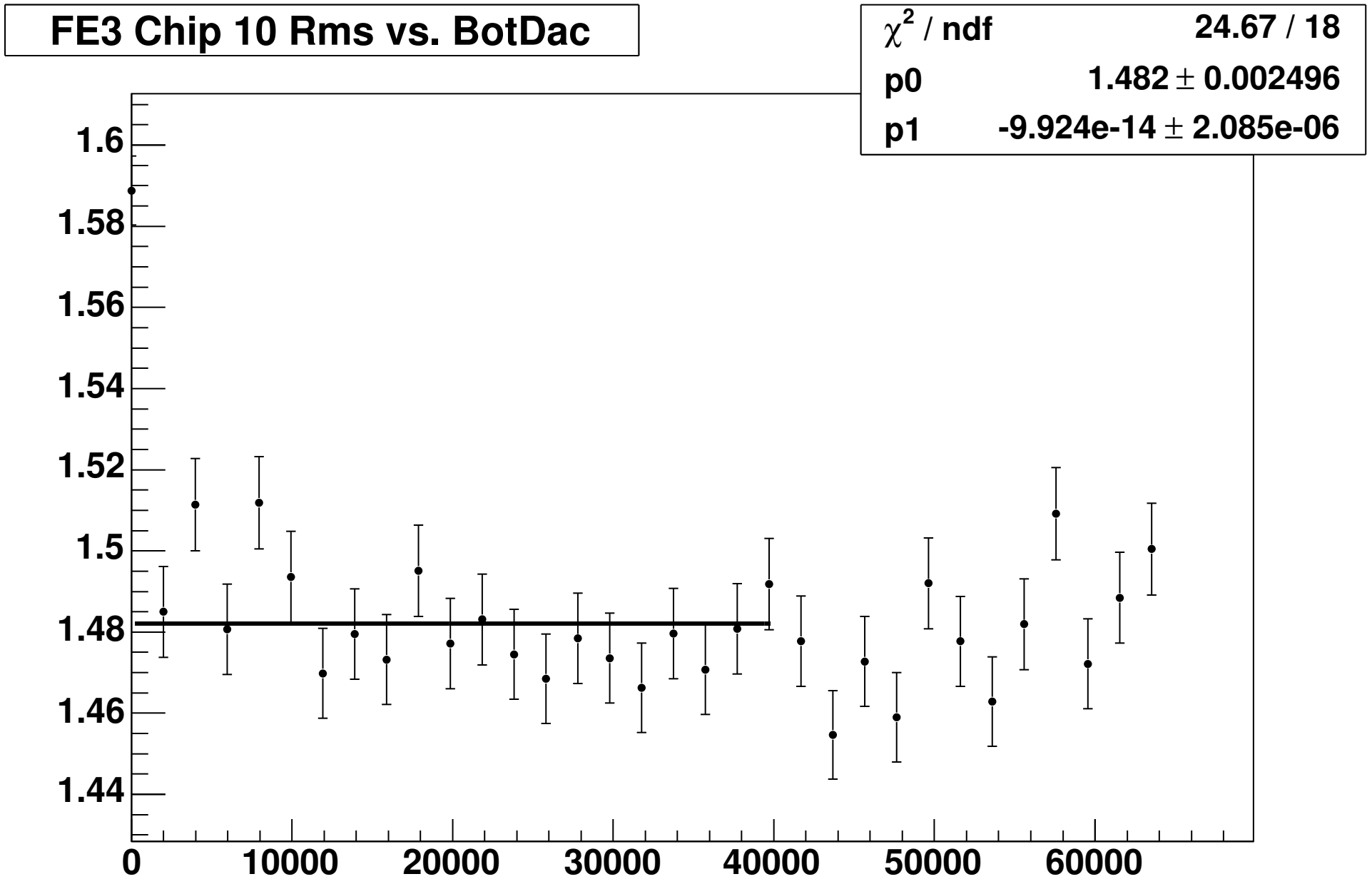
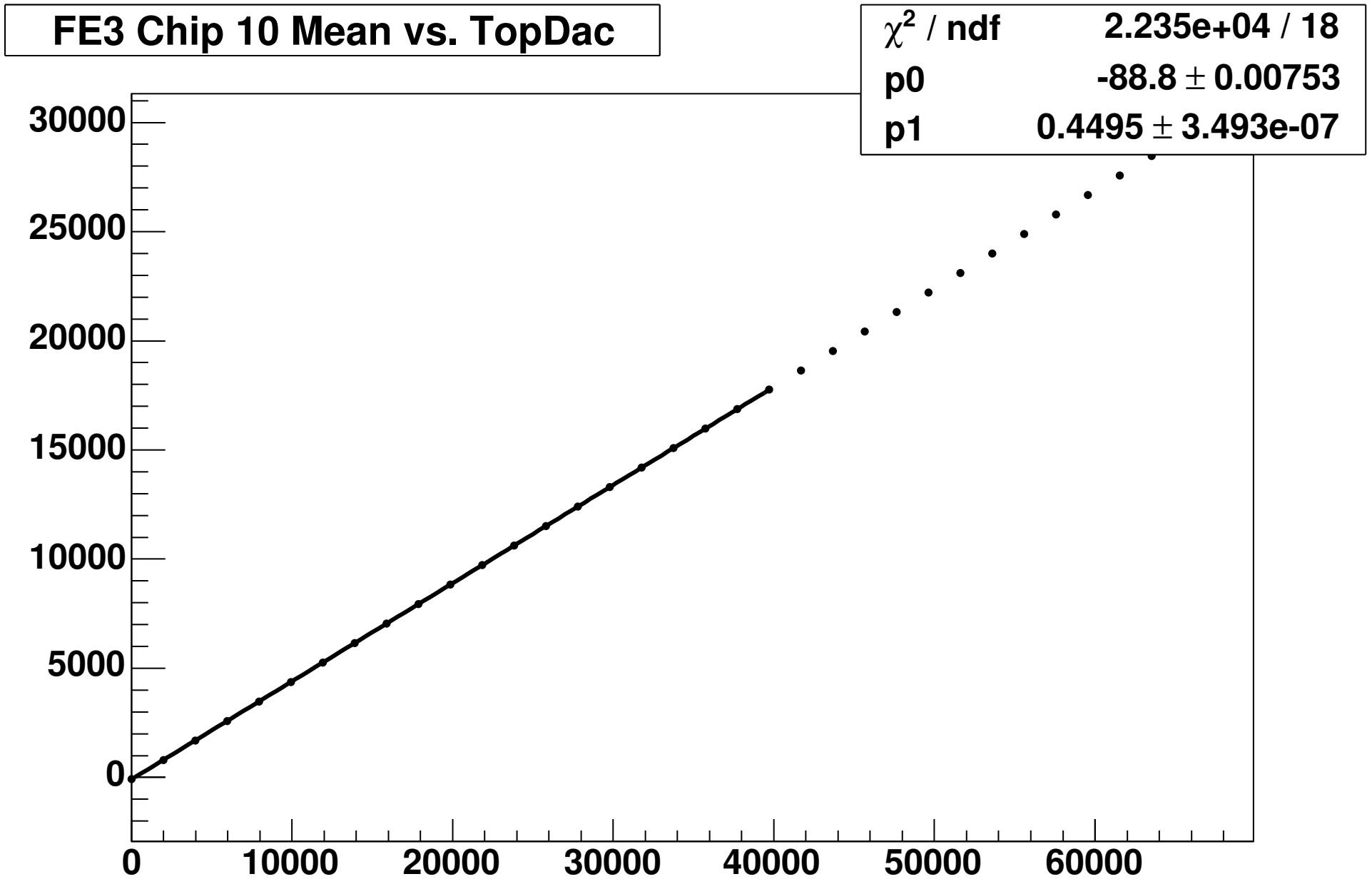
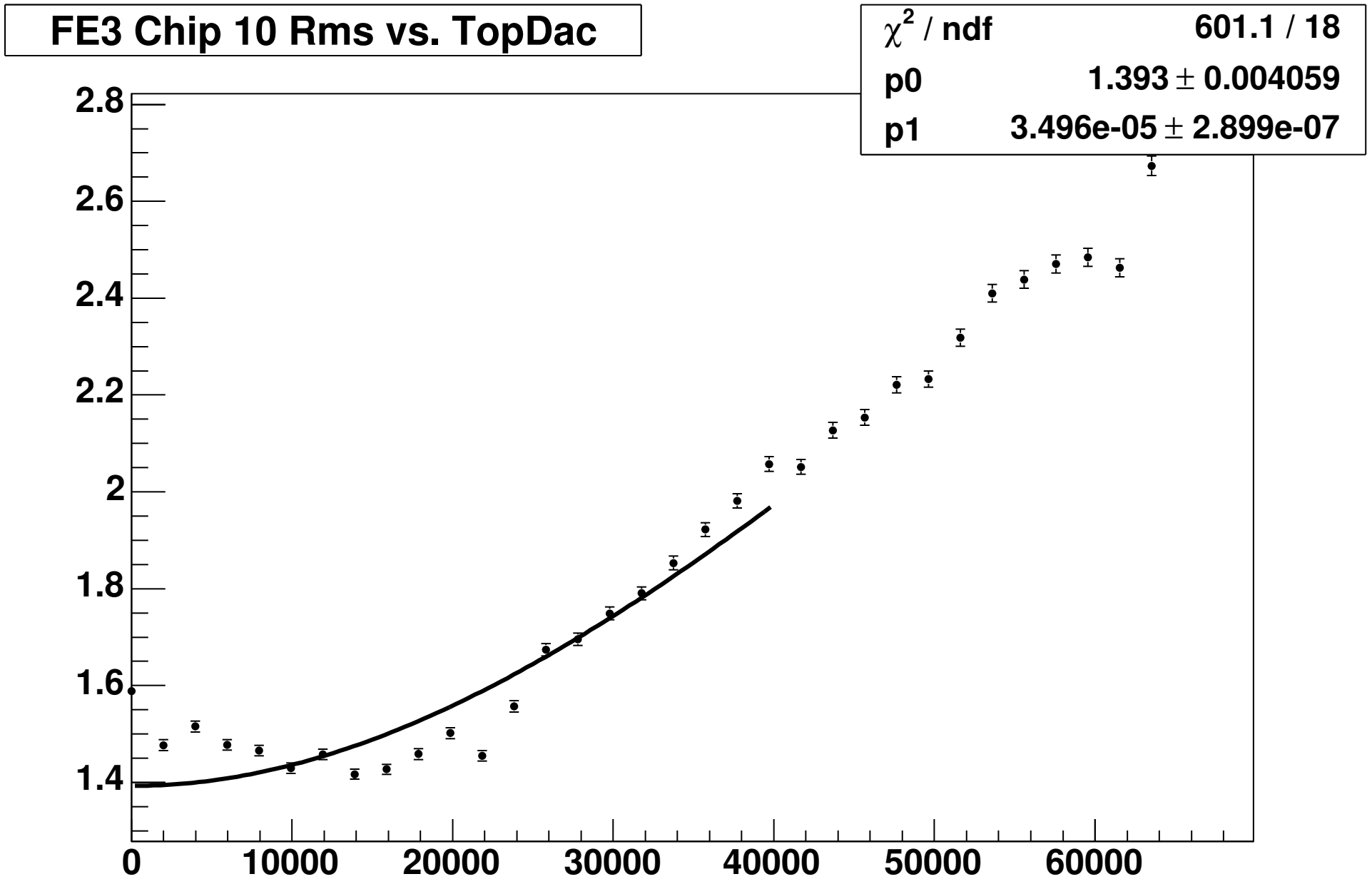
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

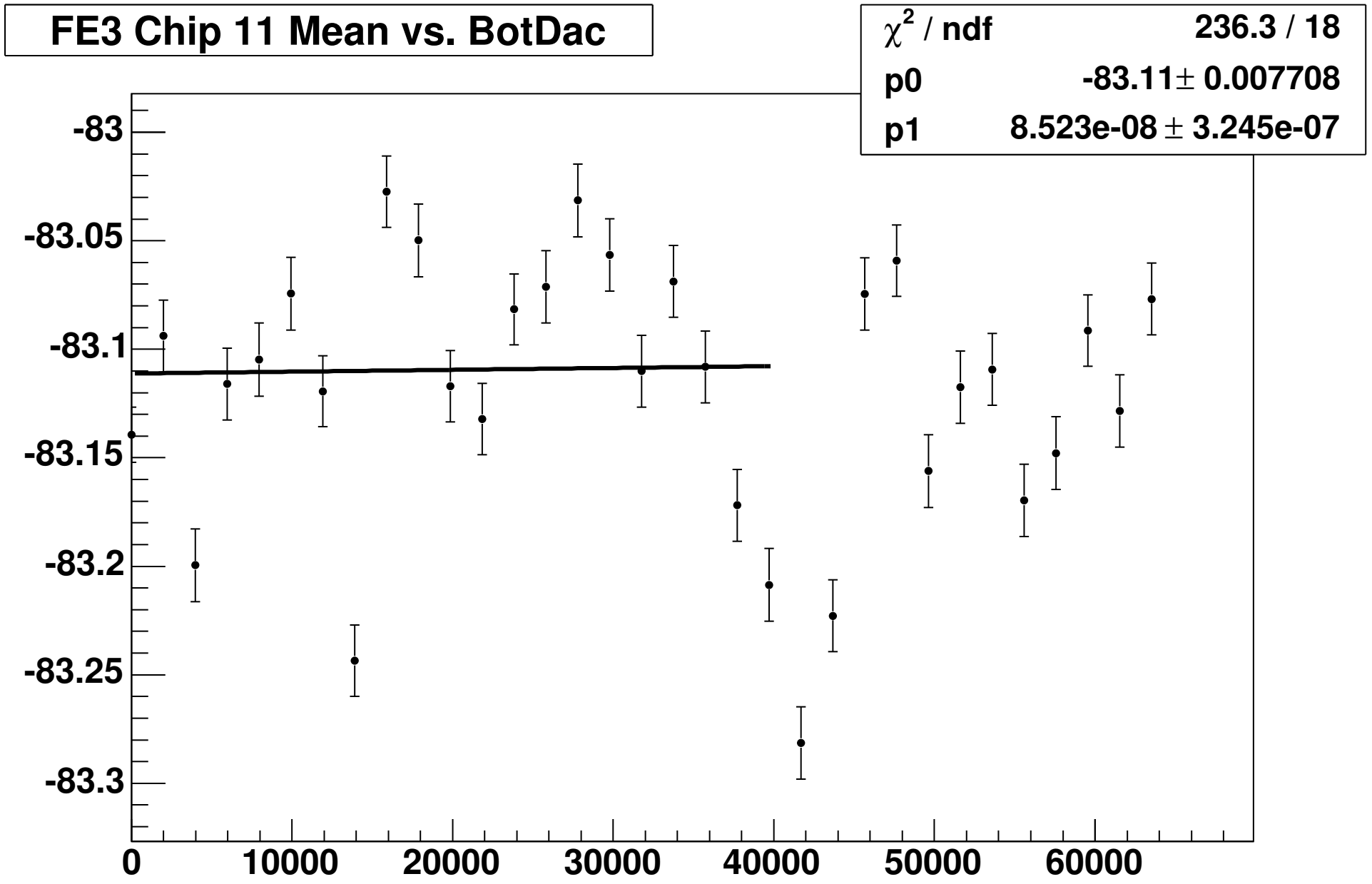

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1203 / 18
p0 1.405 ± 0.004032
p1 3.262e-05 ± 3.014e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

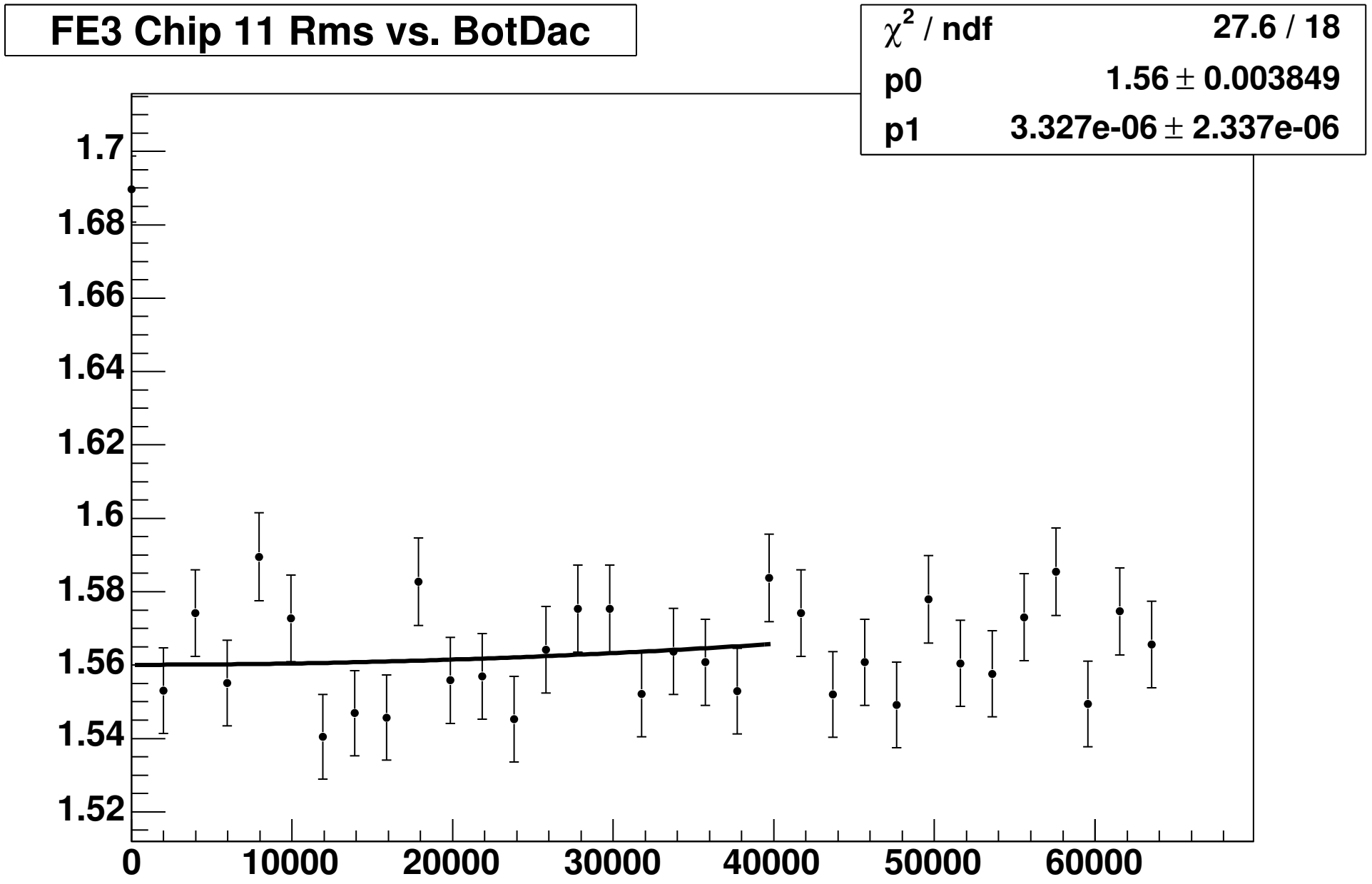

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 215.6 / 18
p0 -86.62 ± 0.00735
p1 -3.319e-08 ± 3.083e-07
-86.5
-86.55
-86.6
-86.65
-86.7
-86.75
-86.8
0
10000
20000
30000
40000
50000
60000

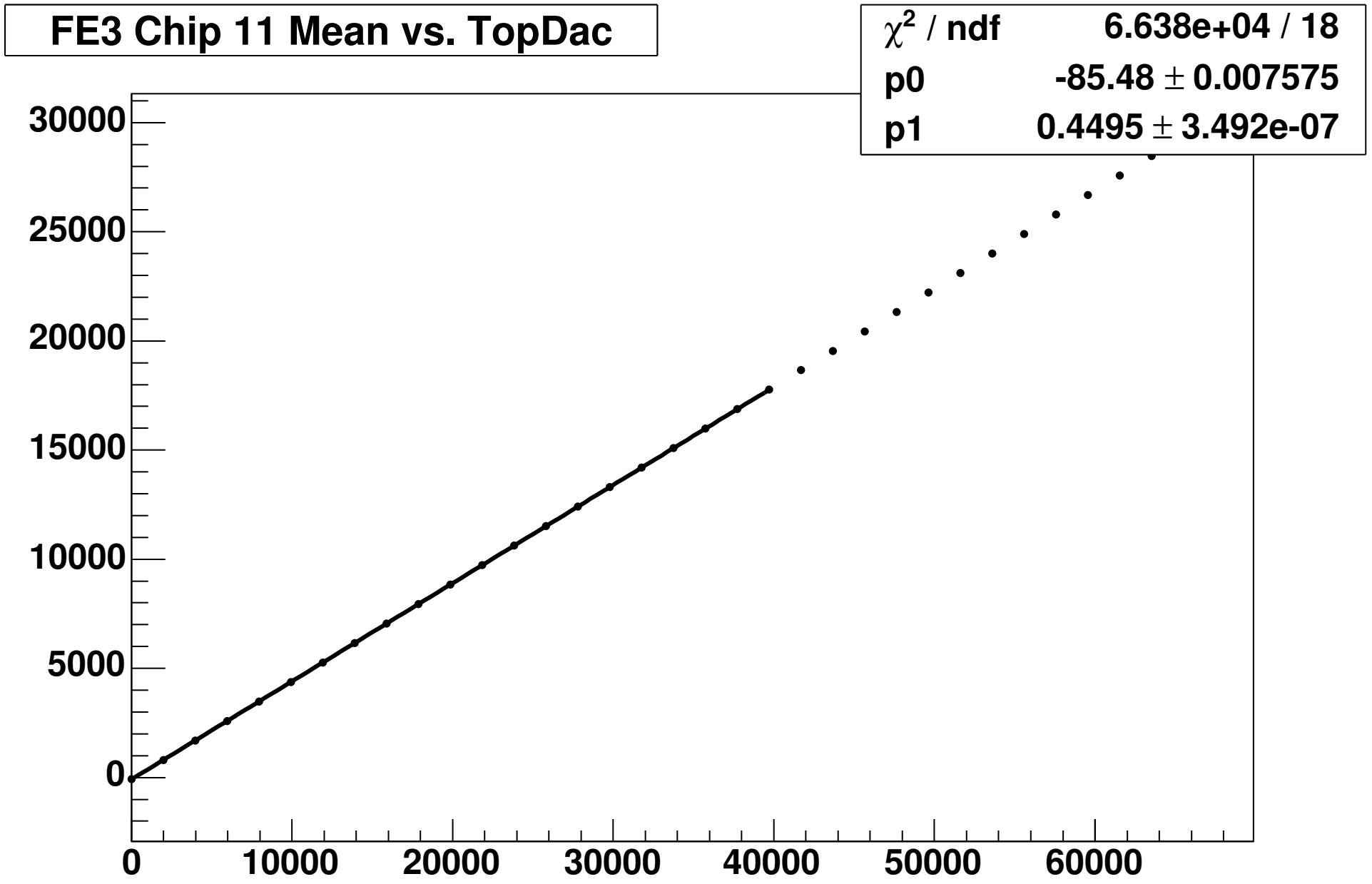

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 24.67 / 18
p0 1.482 ± 0.002496
p1 -9.924e-14 ± 2.085e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

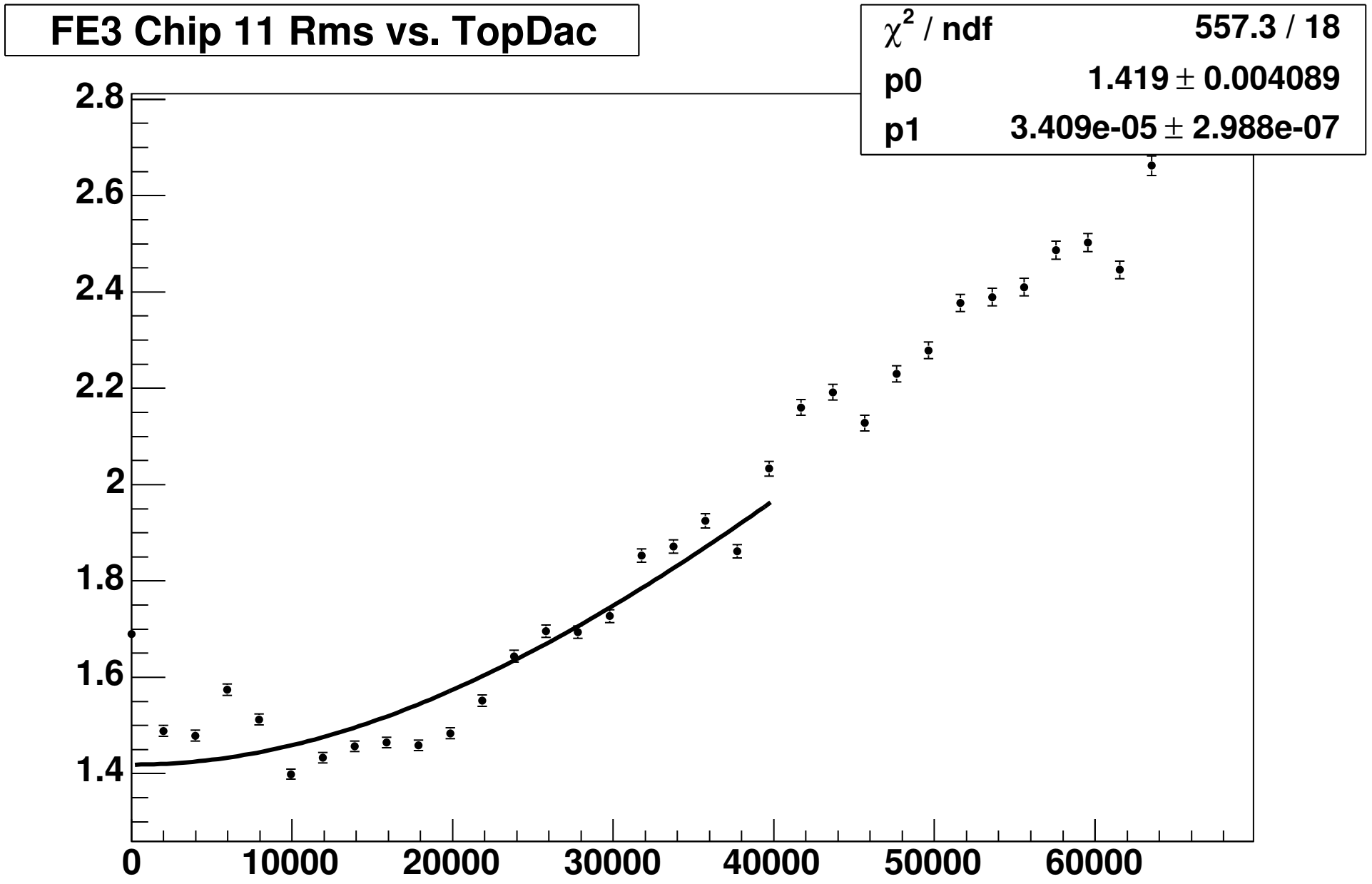

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.235e+04 / 18
p0 -88.8 ± 0.00753
p1 0.4495 ± 3.493e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

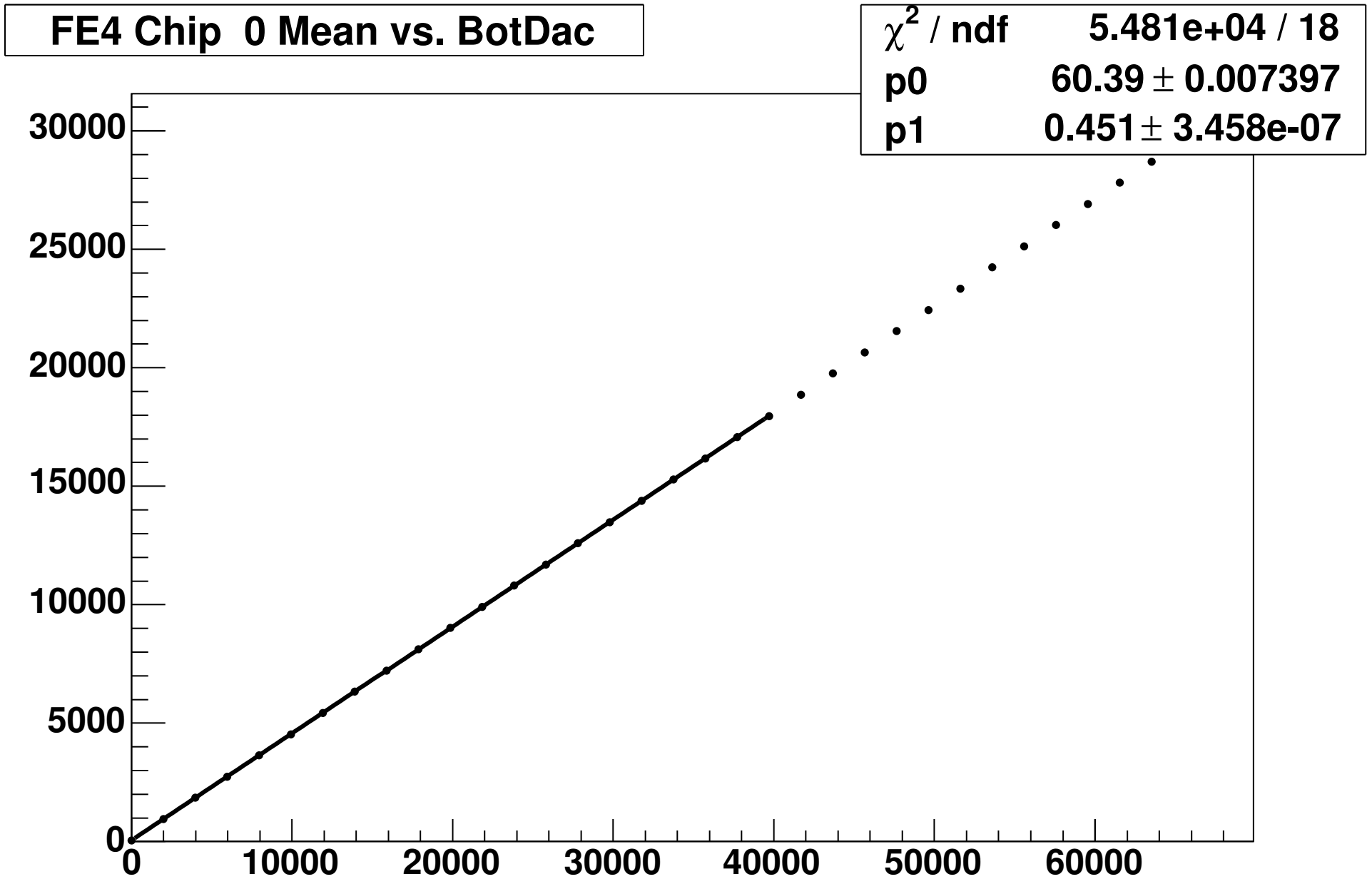

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 601.1 / 18
p0 1.393 ± 0.004059
p1 3.496e-05 ± 2.899e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

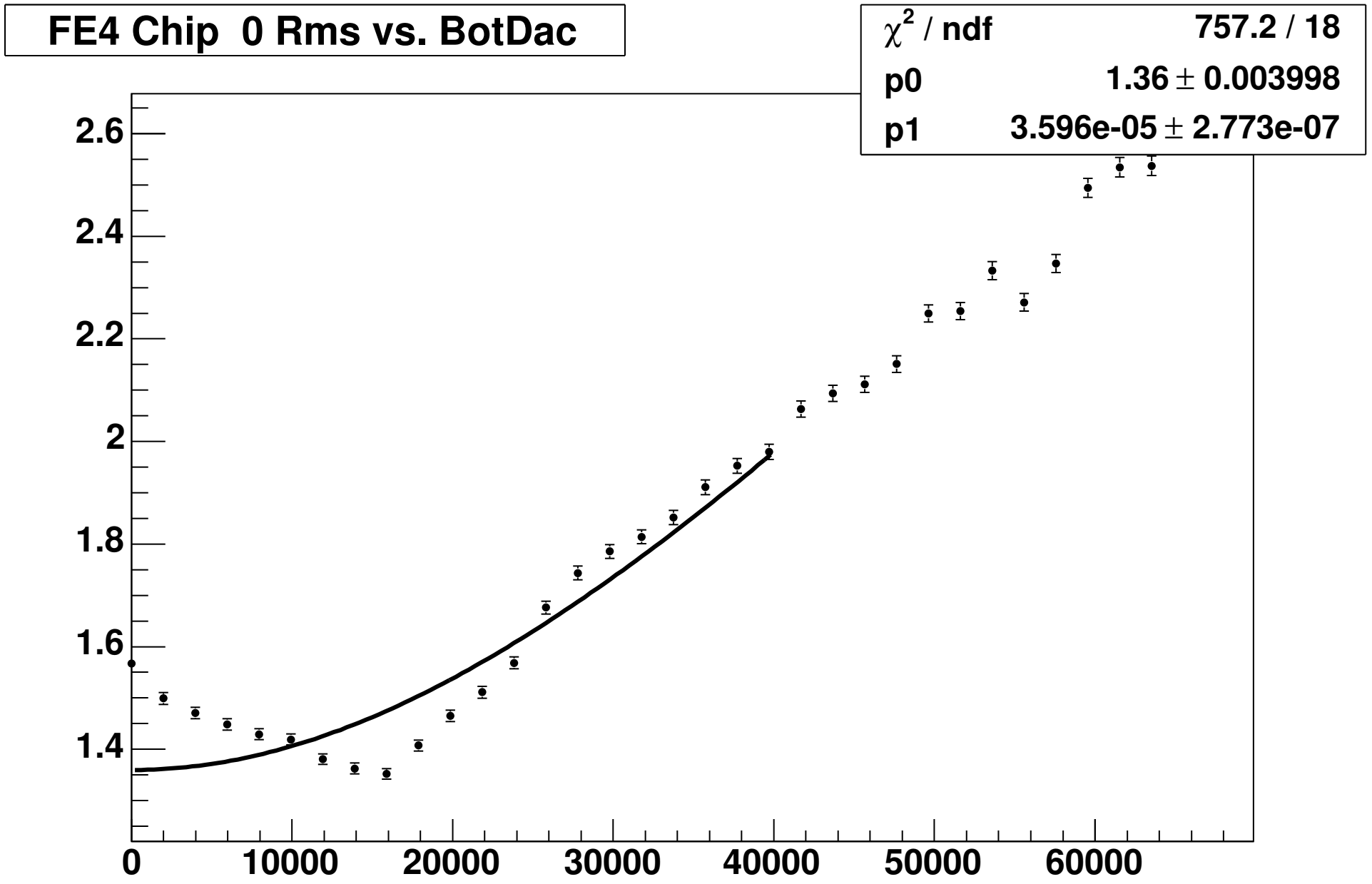

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 236.3 / 18
p0 -83.11 ± 0.007708
p1 8.523e-08 ± 3.245e-07
-83
-83.05
-83.1
-83.15
-83.2
-83.25
-83.3
0
10000
20000
30000
40000
50000
60000

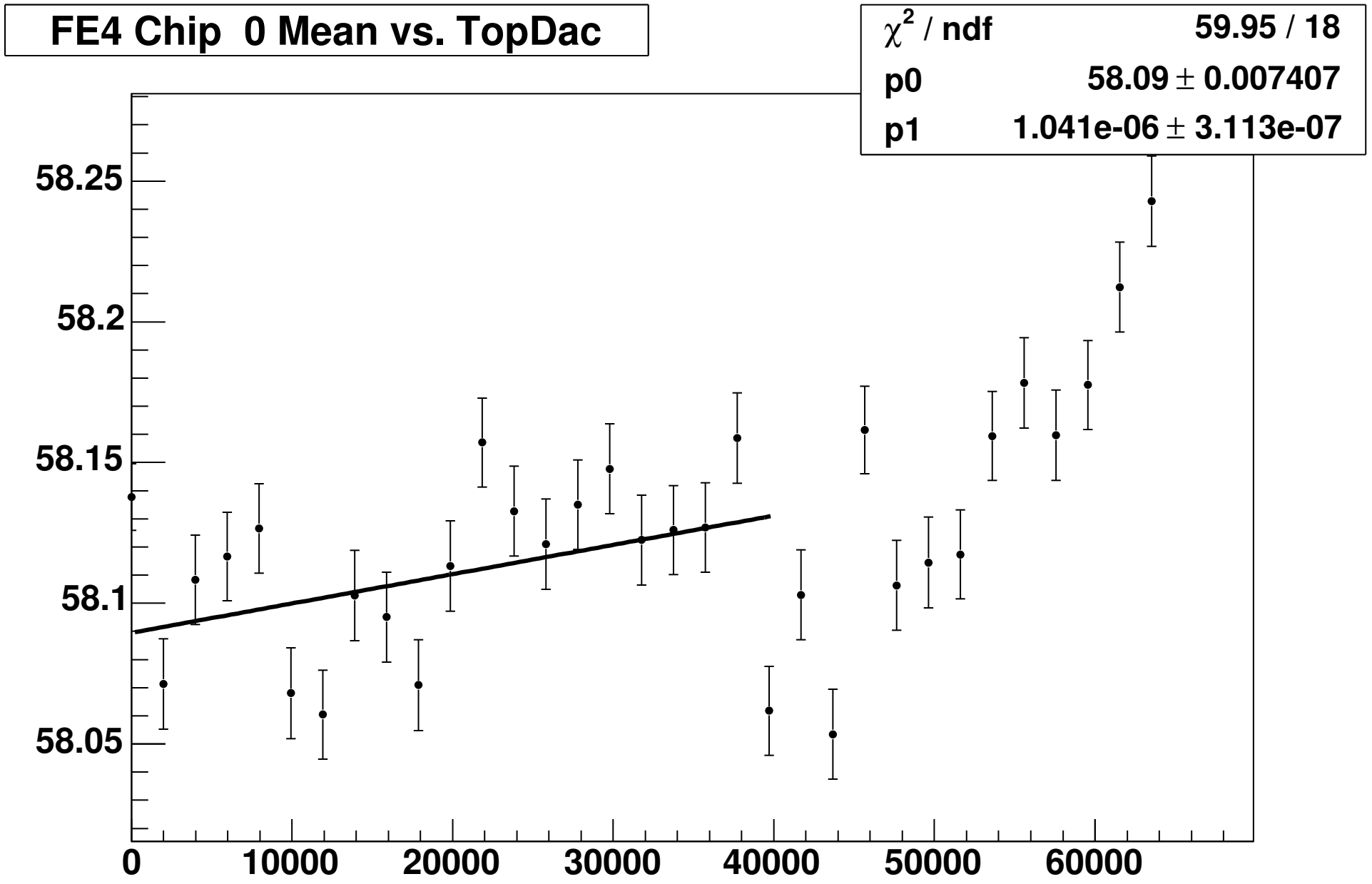

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 27.6 / 18
p0 1.56 ± 0.003849
p1 3.327e-06 ± 2.337e-06
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000

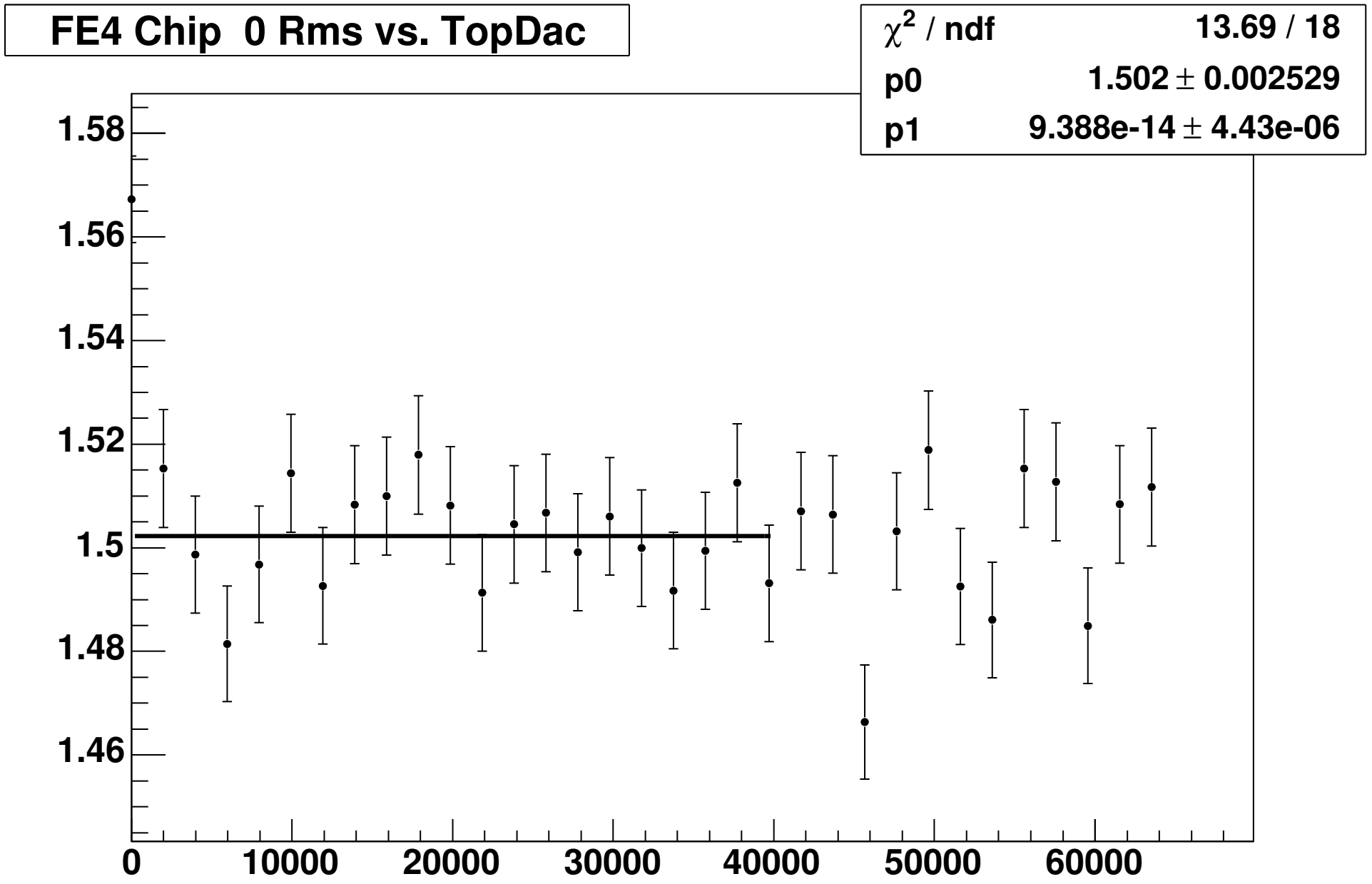

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 6.638e+04 / 18
p0 -85.48 ± 0.007575
p1 0.4495 ± 3.492e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 557.3 / 18
p0 1.419 ± 0.004089
p1 3.409e-05 ± 2.988e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 5.481e+04 / 18
p0 60.39 ± 0.007397
p1 0.451 ± 3.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 757.2 / 18
p0 1.36 ± 0.003998
p1 3.596e-05 ± 2.773e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 59.95 / 18
p0 58.09 ± 0.007407
p1 1.041e-06 ± 3.113e-07
58.25
58.2
58.15
58.1
58.05
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 13.69 / 18
p0 1.502 ± 0.002529
p1 9.388e-14 ± 4.43e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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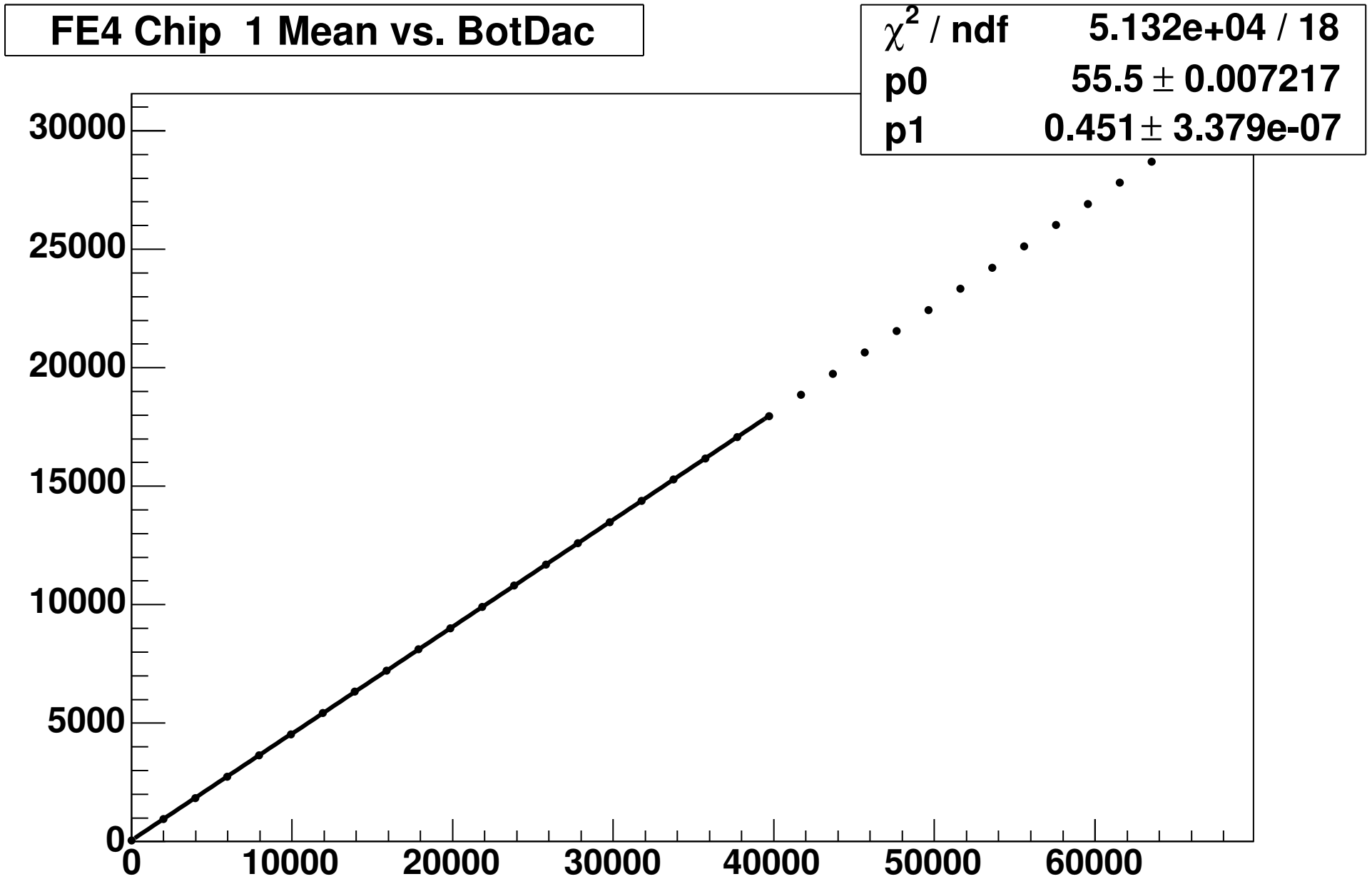
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 5.132e+04 / 18
p0 55.5 ± 0.007217
p1 0.451 ± 3.379e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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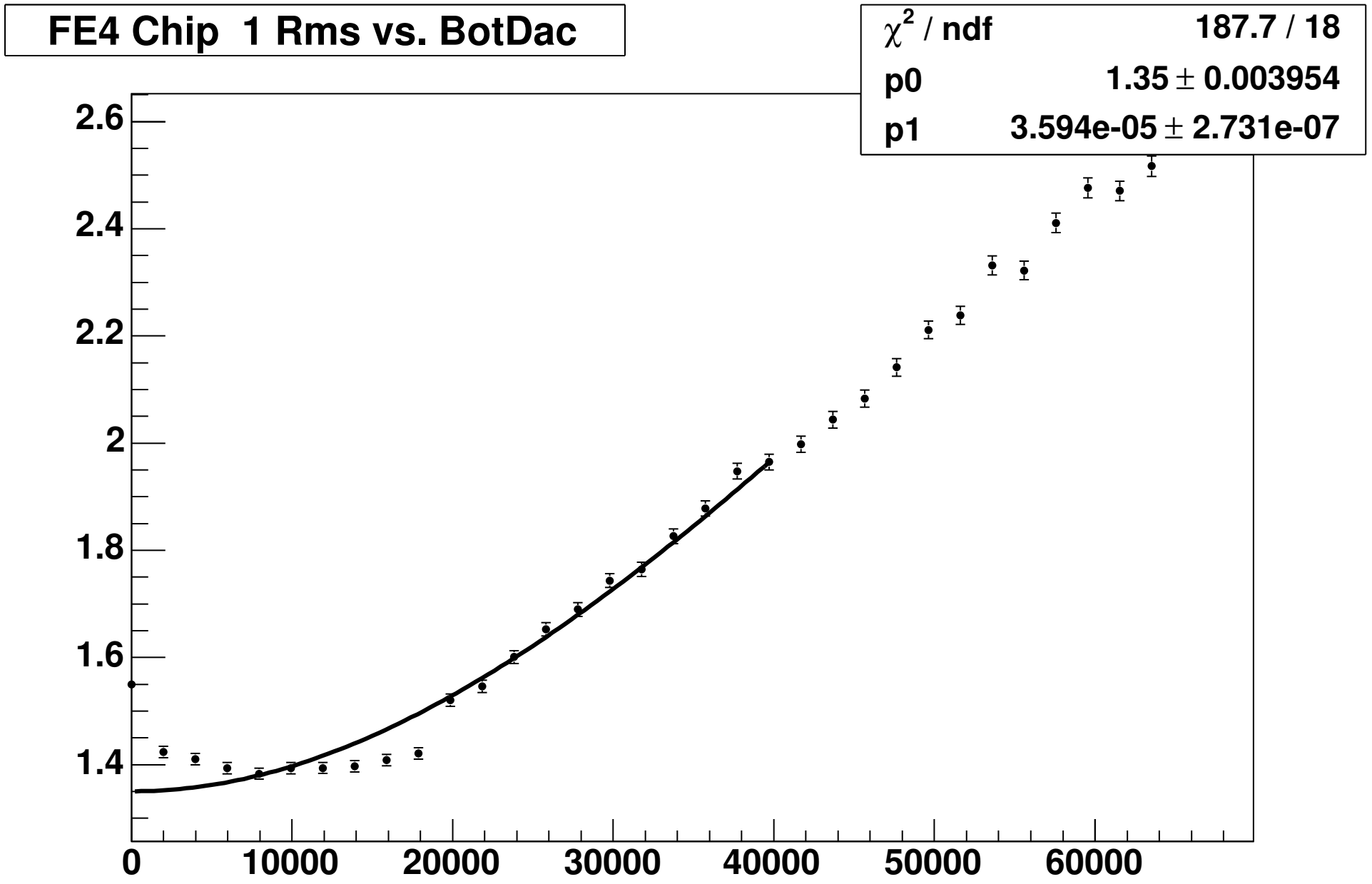
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 187.7 / 18
p0 1.35 ± 0.003954
p1 3.594e-05 ± 2.731e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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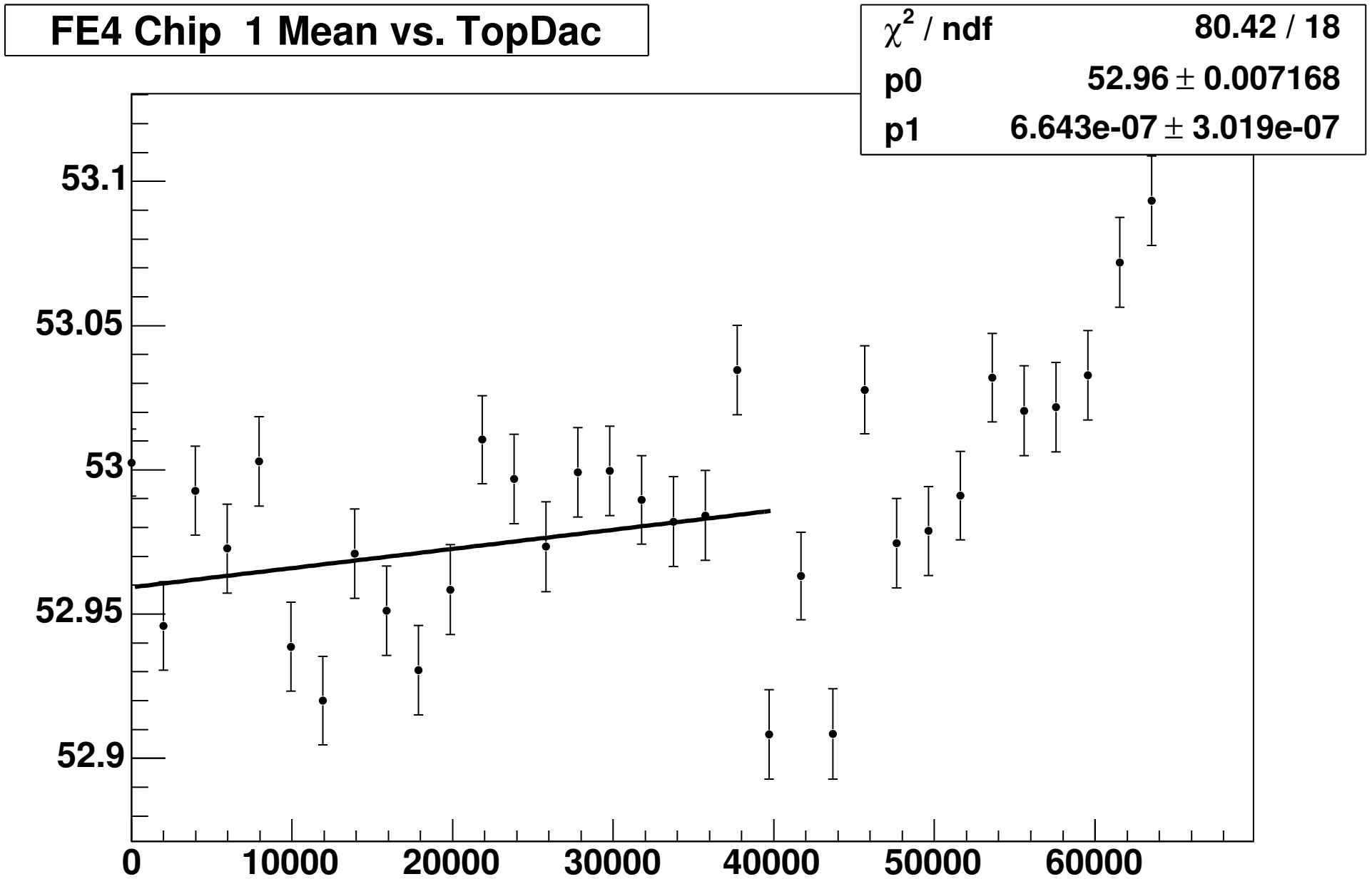
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 80.42 / 18
p0 52.96 ± 0.007168
p1 6.643e-07 ± 3.019e-07
53.1
53.05
53
52.95
52.9
0
10000
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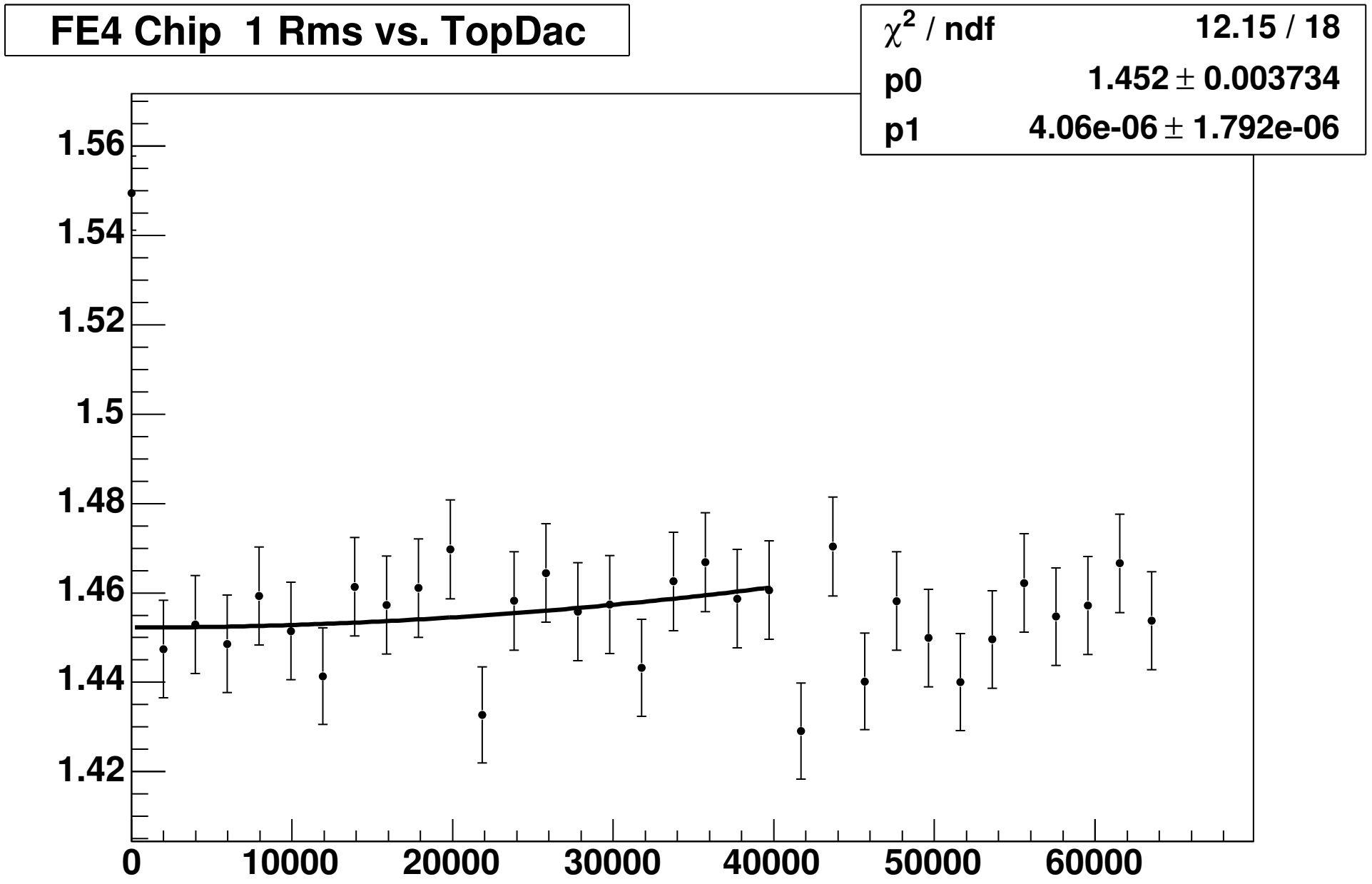
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 12.15 / 18
p0 1.452 ± 0.003734
p1 4.06e-06 ± 1.792e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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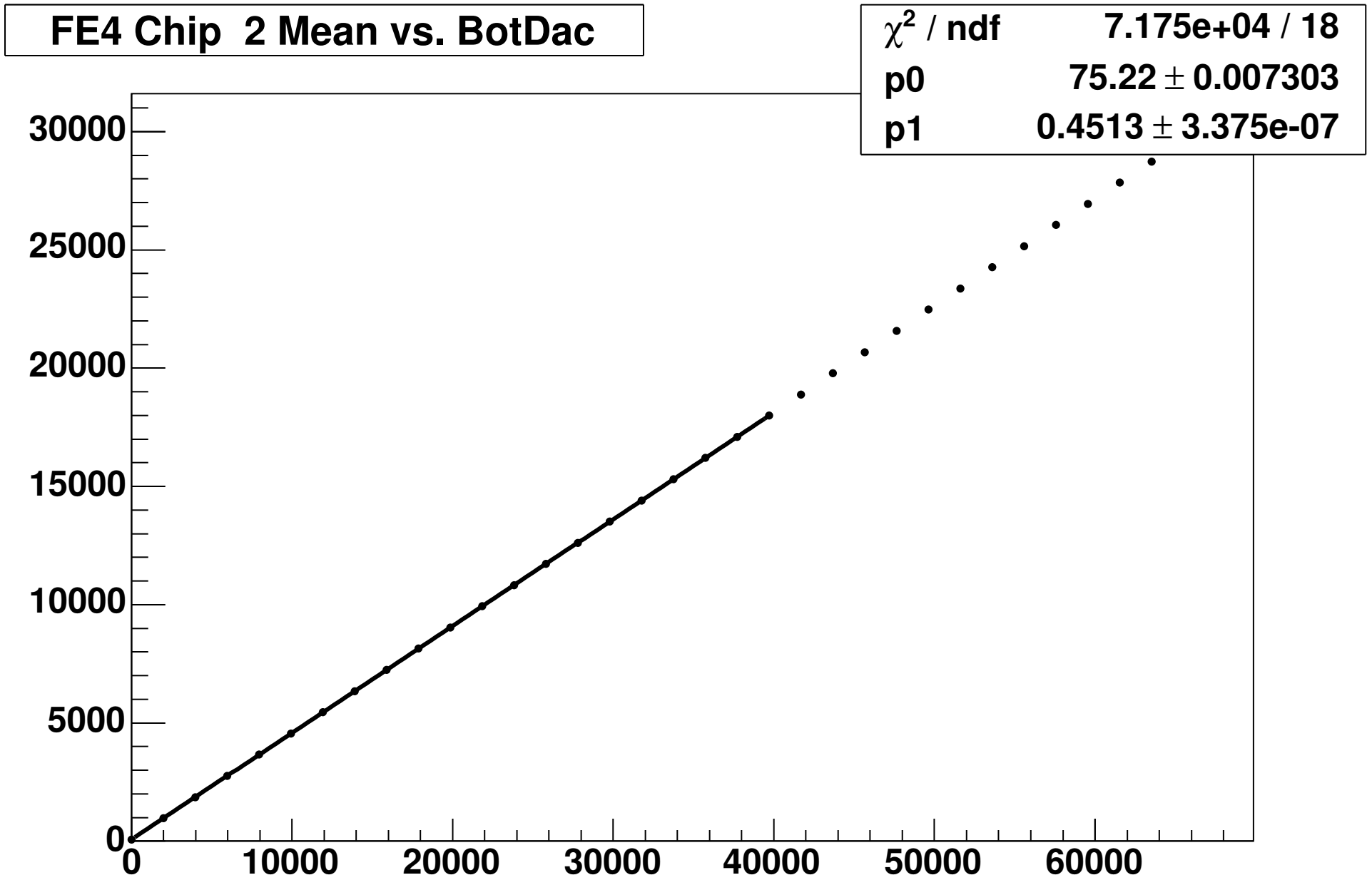
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 7.175e+04 / 18
p0 75.22 ± 0.007303
p1 0.4513 ± 3.375e-07
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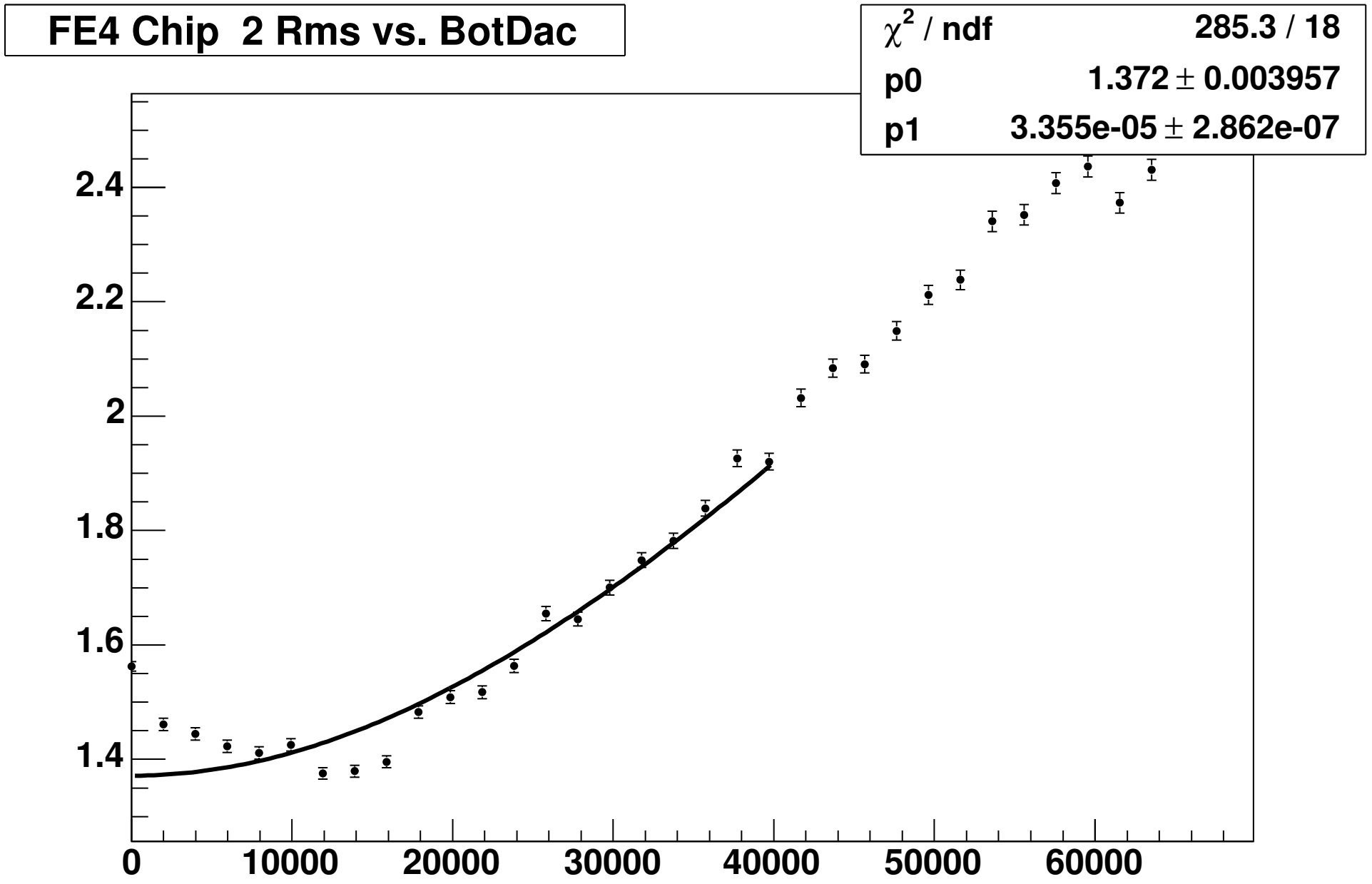
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 285.3 / 18
p0 1.372 ± 0.003957
p1 3.355e-05 ± 2.862e-07
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
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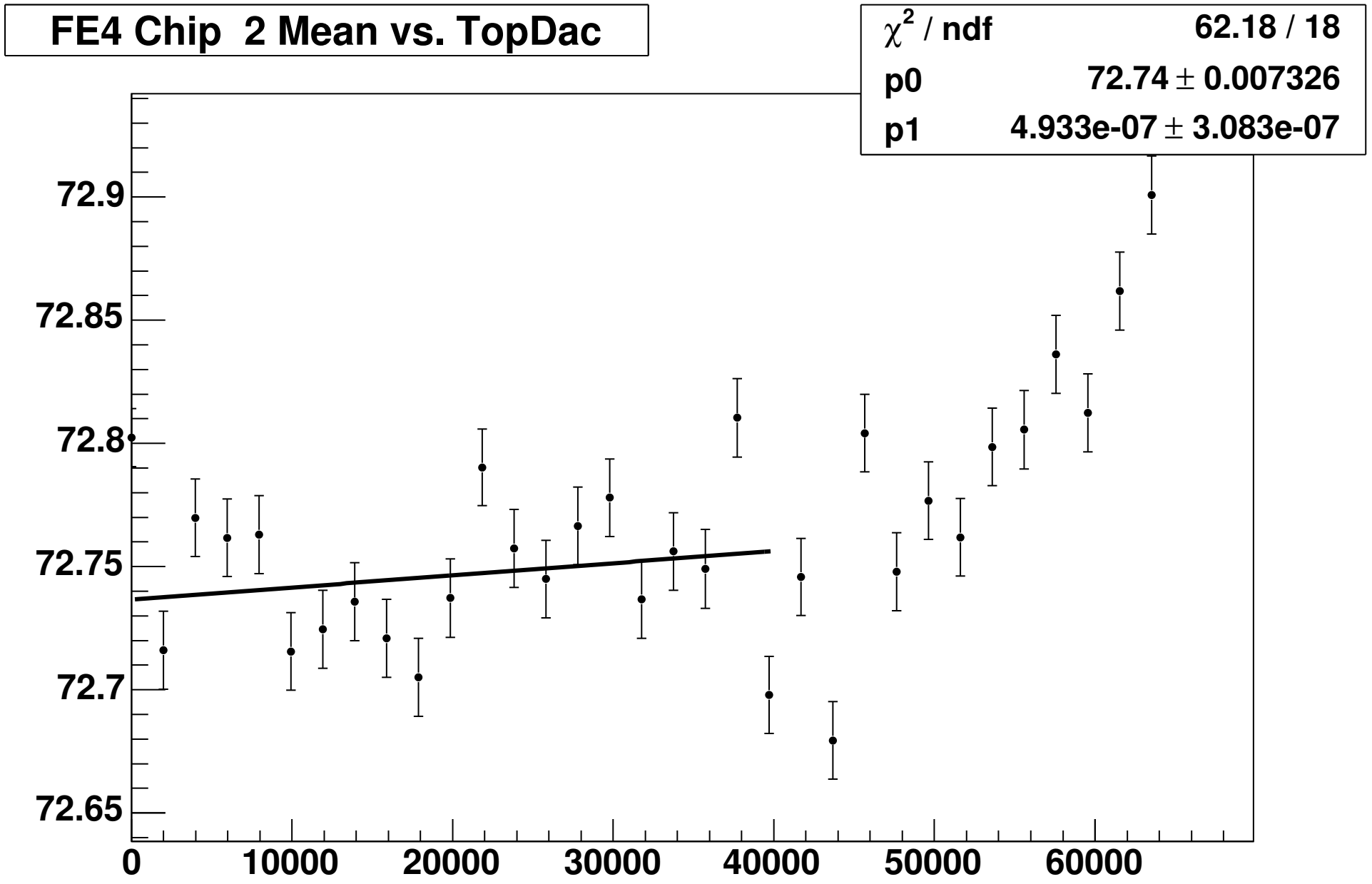
60000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 62.18 / 18
p0 72.74 ± 0.007326
p1 4.933e-07 ± 3.083e-07
72.9
72.85
72.8
72.75
72.7
72.65
0
10000
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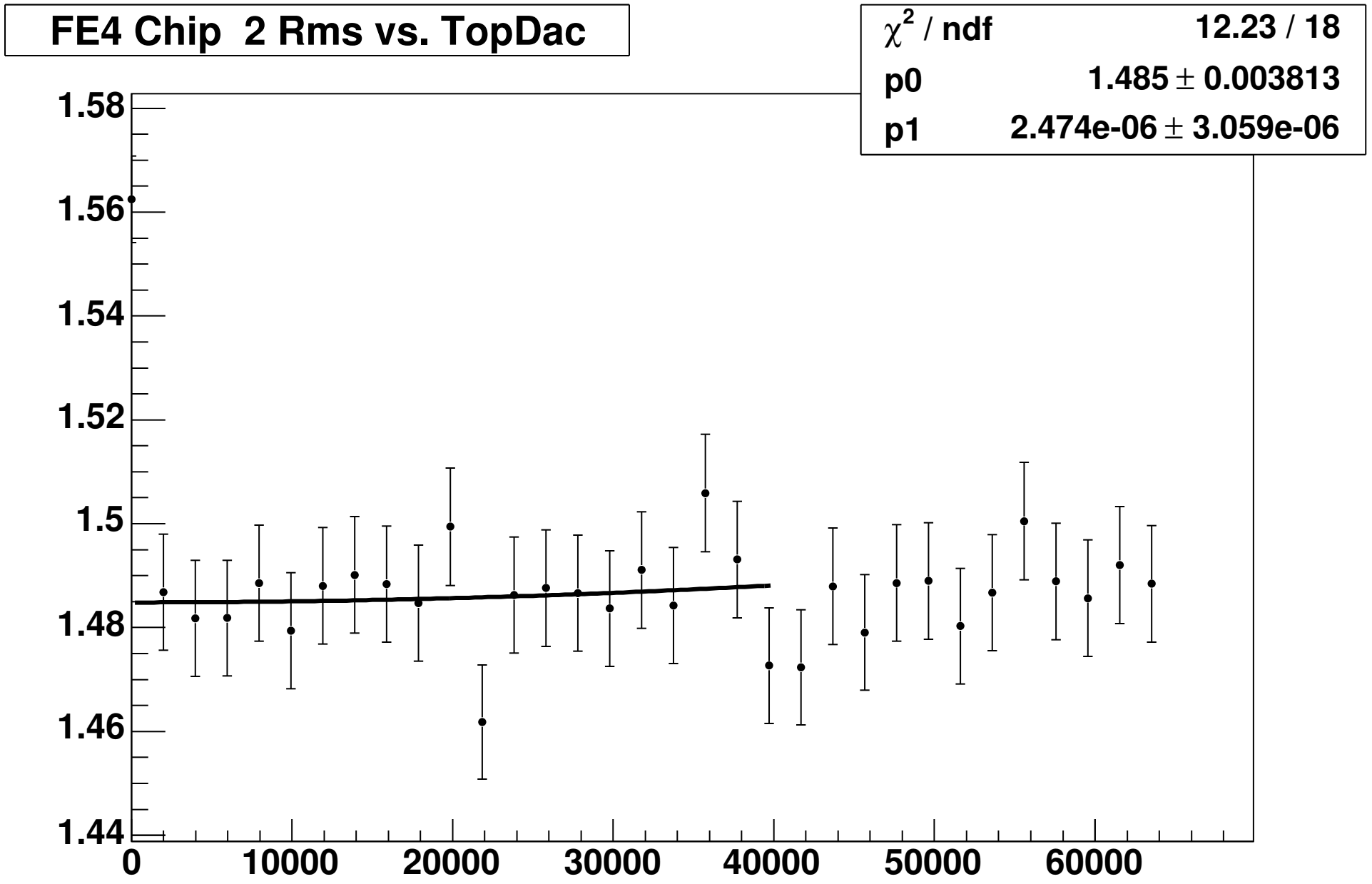
50000
60000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 12.23 / 18
p0 1.485 ± 0.003813
p1 2.474e-06 ± 3.059e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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40000
50000
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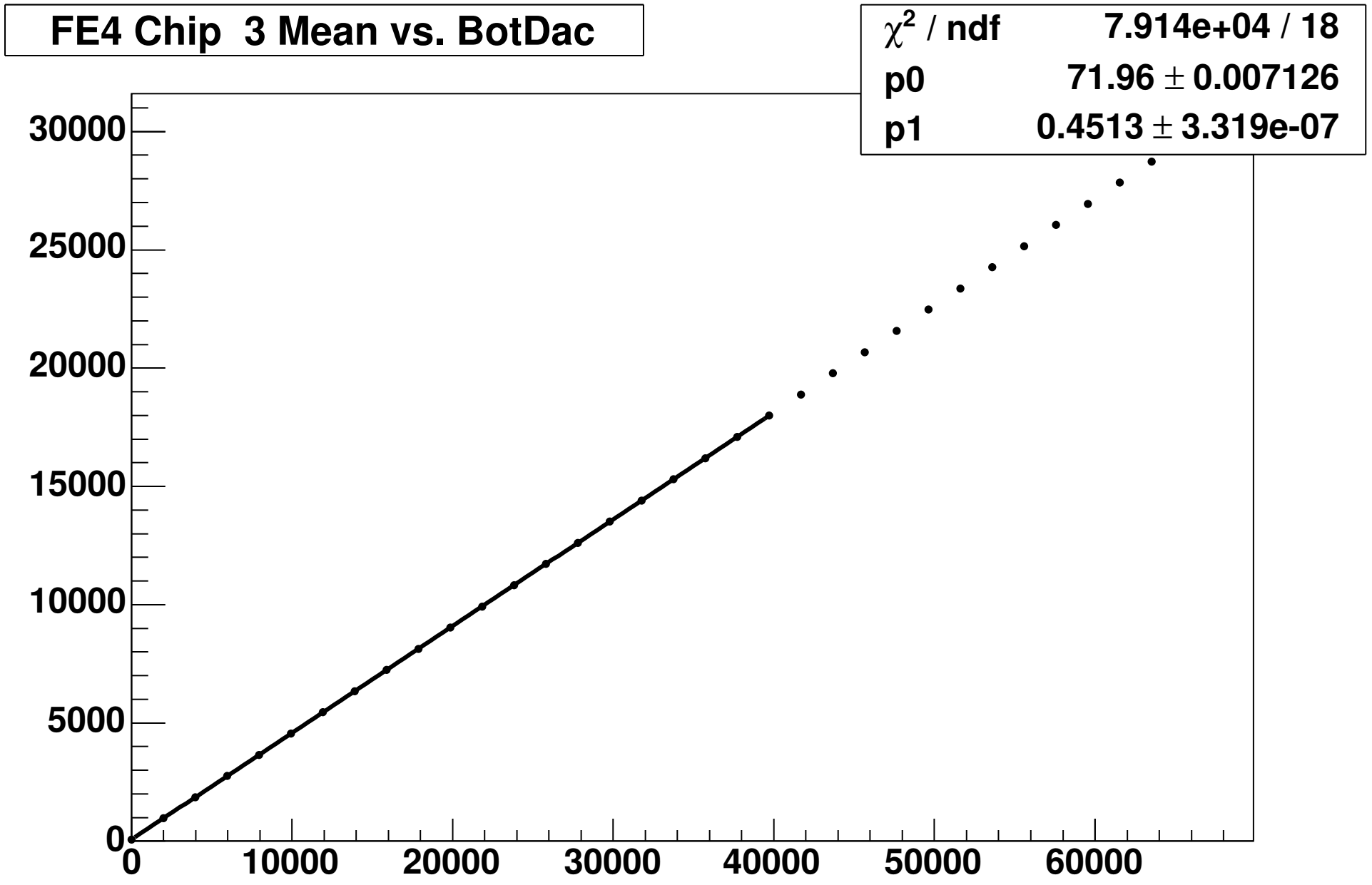
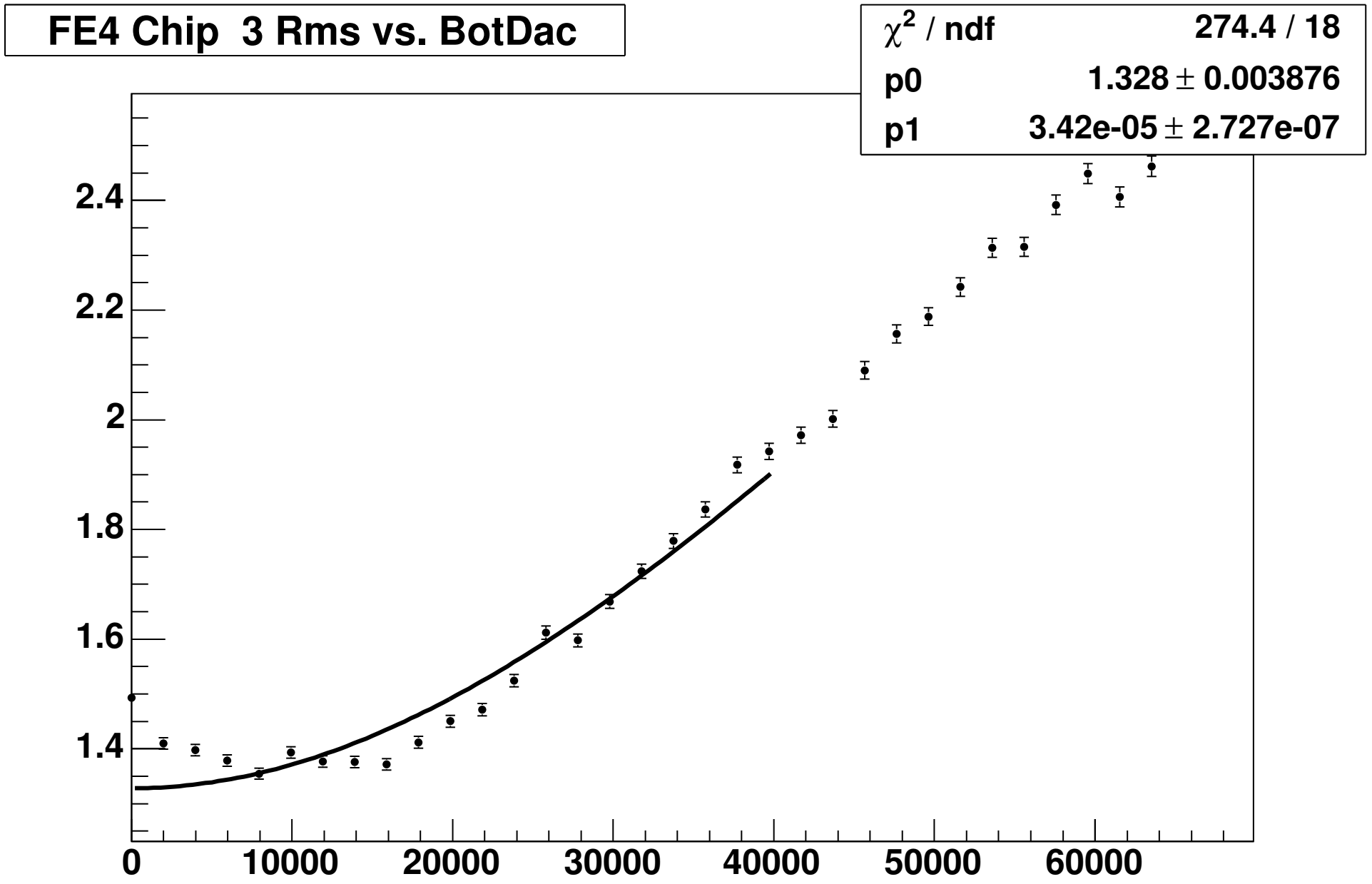
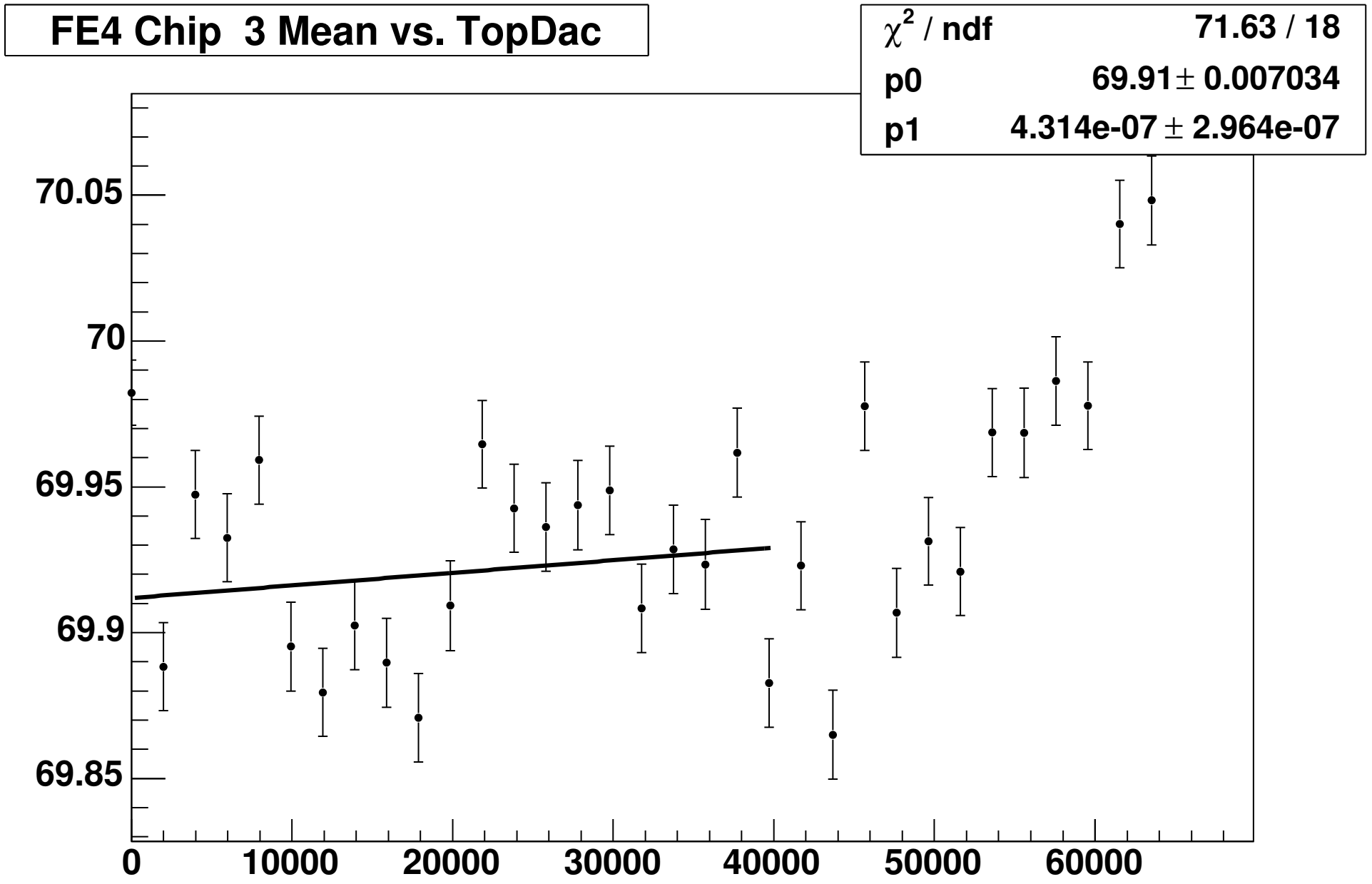
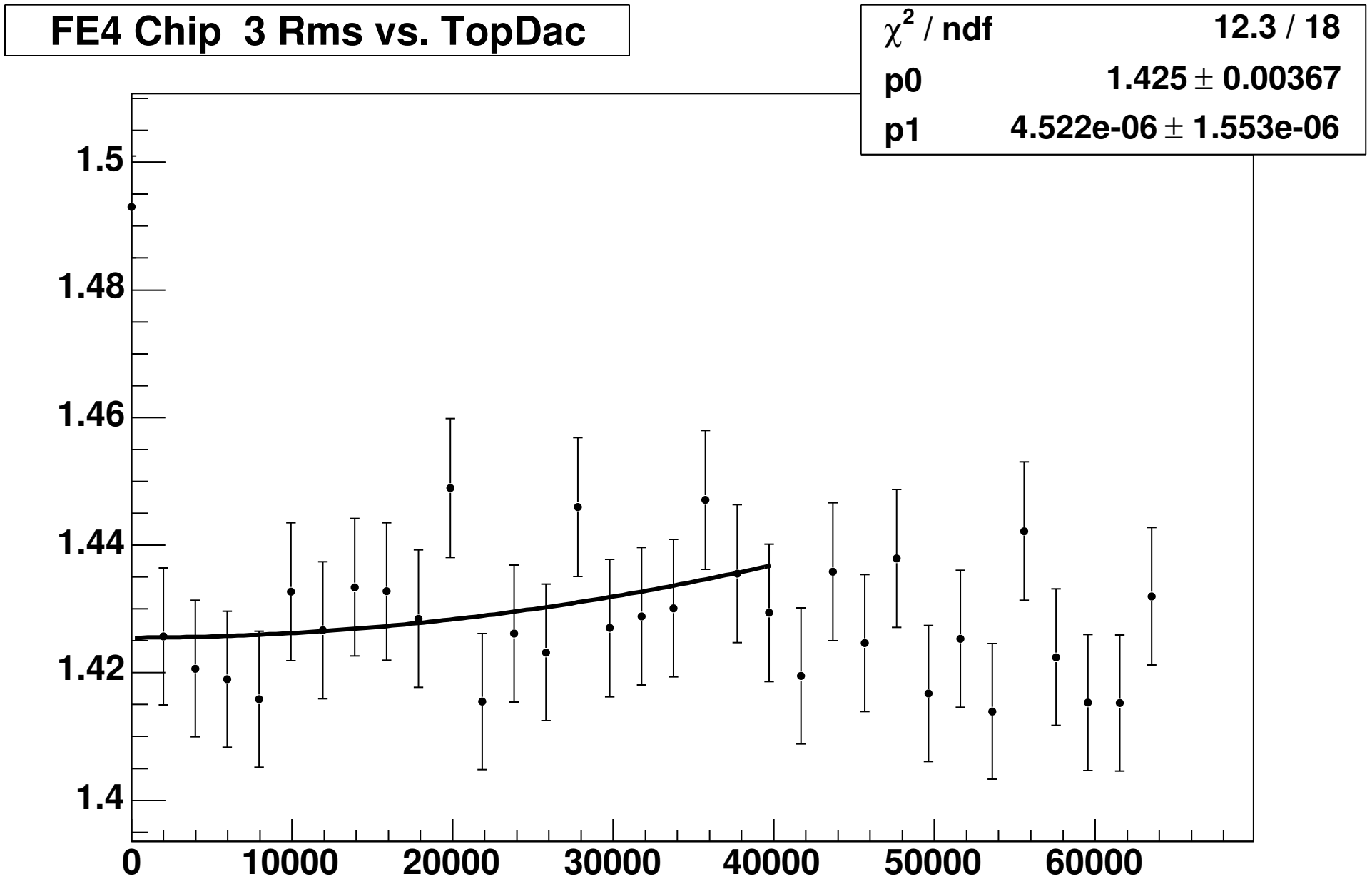

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 7.914e+04 / 18
p0 71.96 ± 0.007126
p1 0.4513 ± 3.319e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 274.4 / 18
p0 1.328 ± 0.003876
p1 3.42e-05 ± 2.727e-07
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 71.63 / 18
p0 69.91 ± 0.007034
p1 4.314e-07 ± 2.964e-07
70.05
70
69.95
69.9
69.85
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 12.3 / 18
p0 1.425 ± 0.00367
p1 4.522e-06 ± 1.553e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
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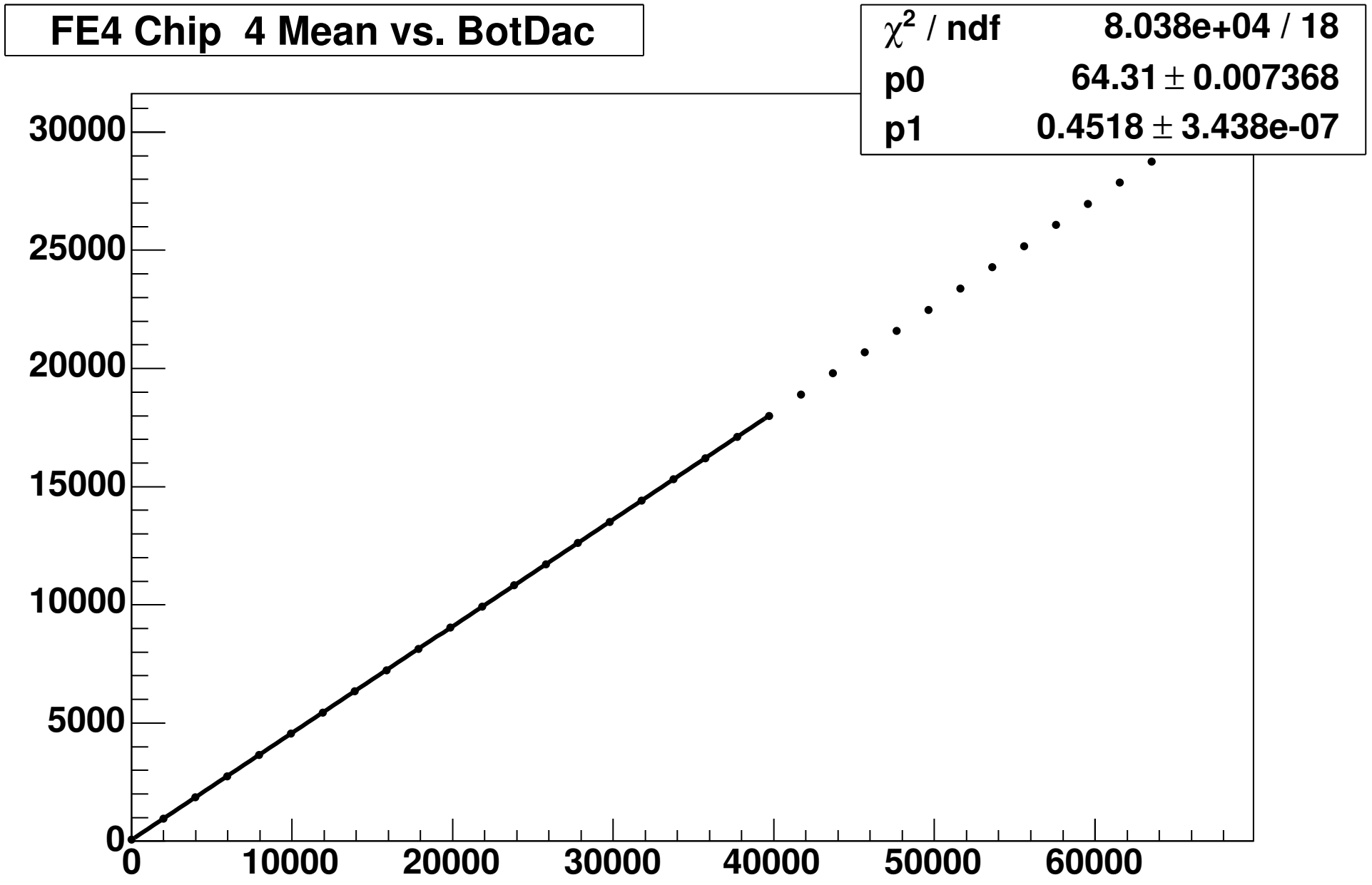
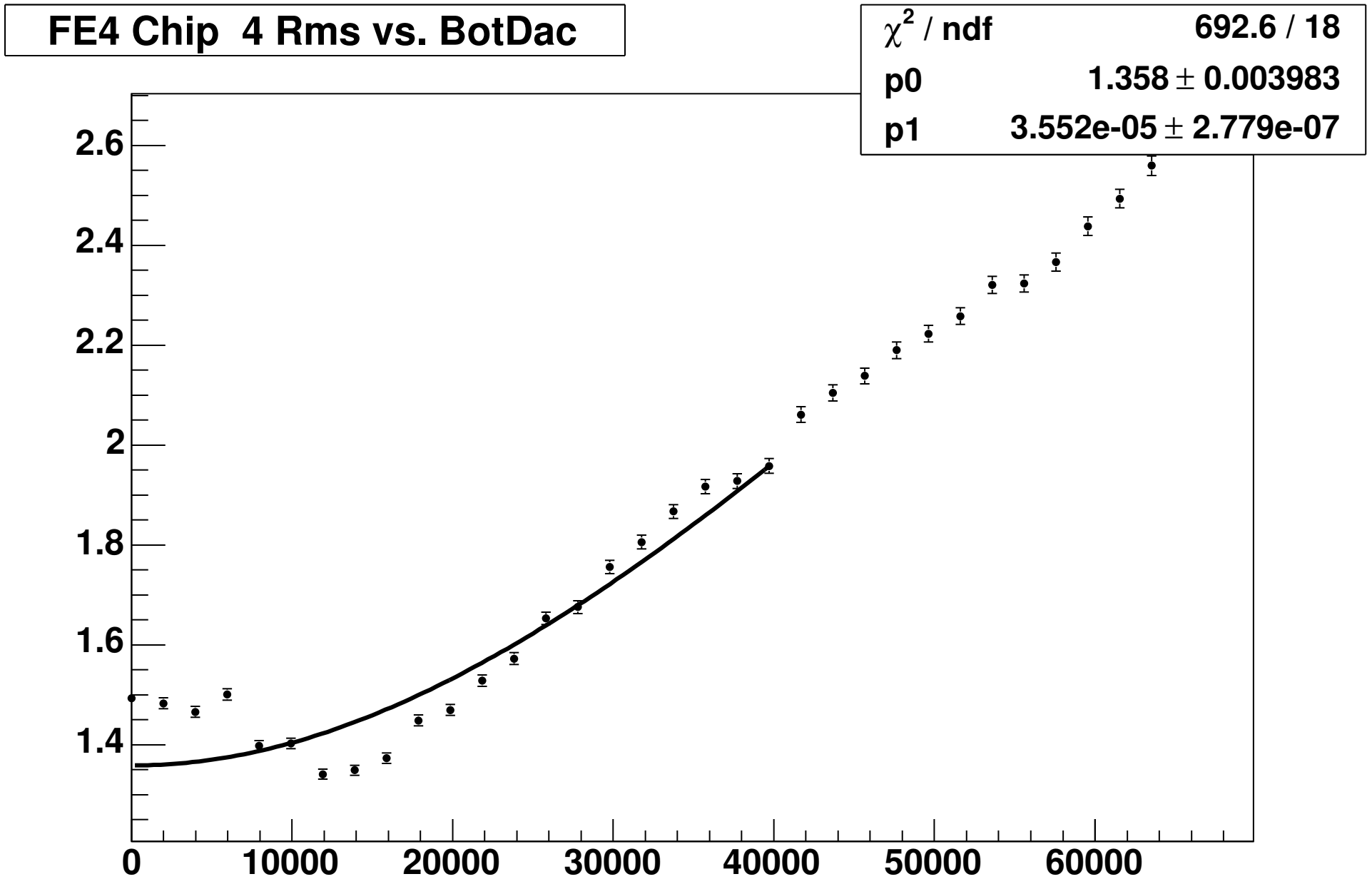
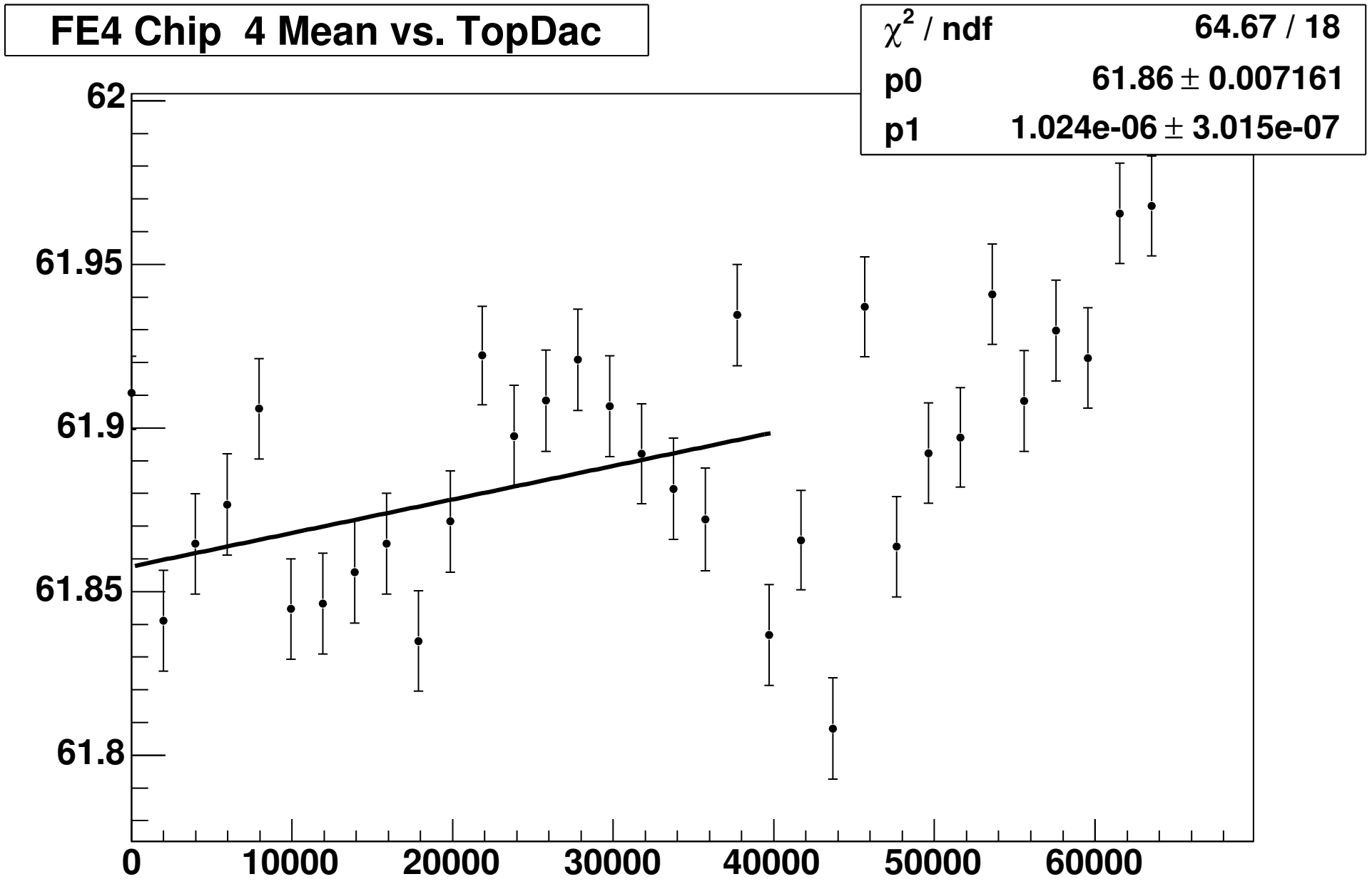
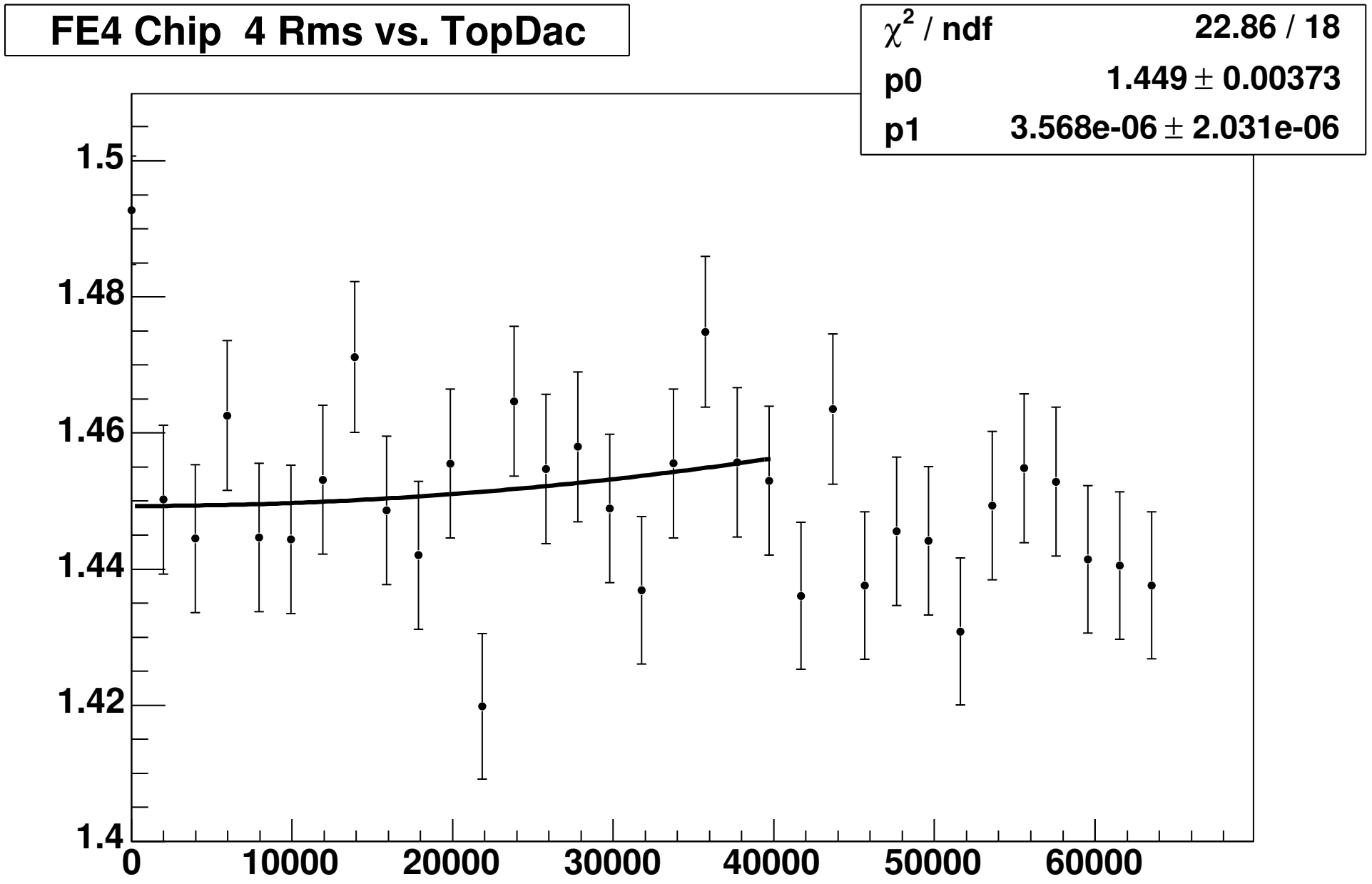
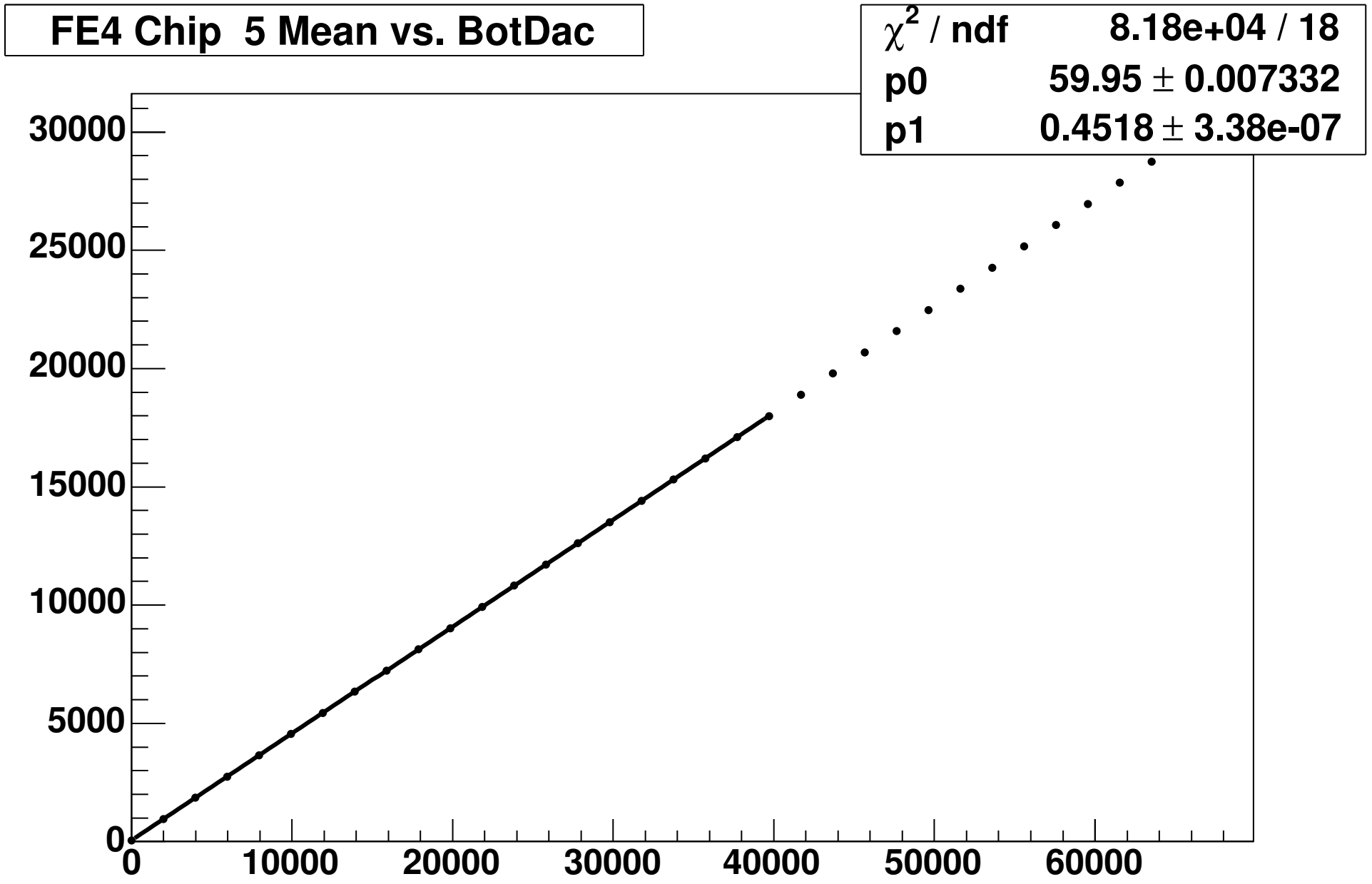
60000

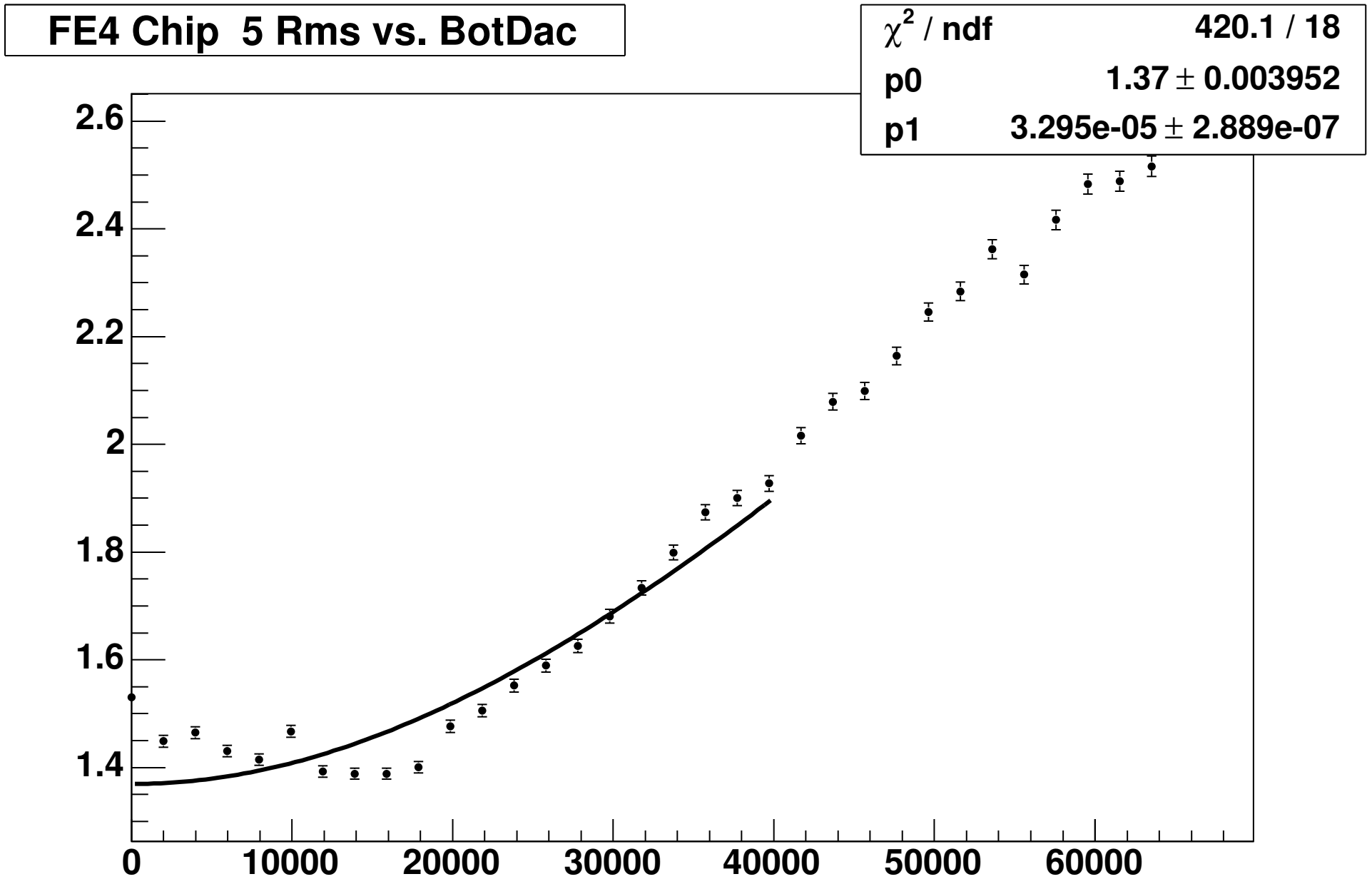

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 8.038e+04 / 18
p0 64.31 ± 0.007368
p1 0.4518 ± 3.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

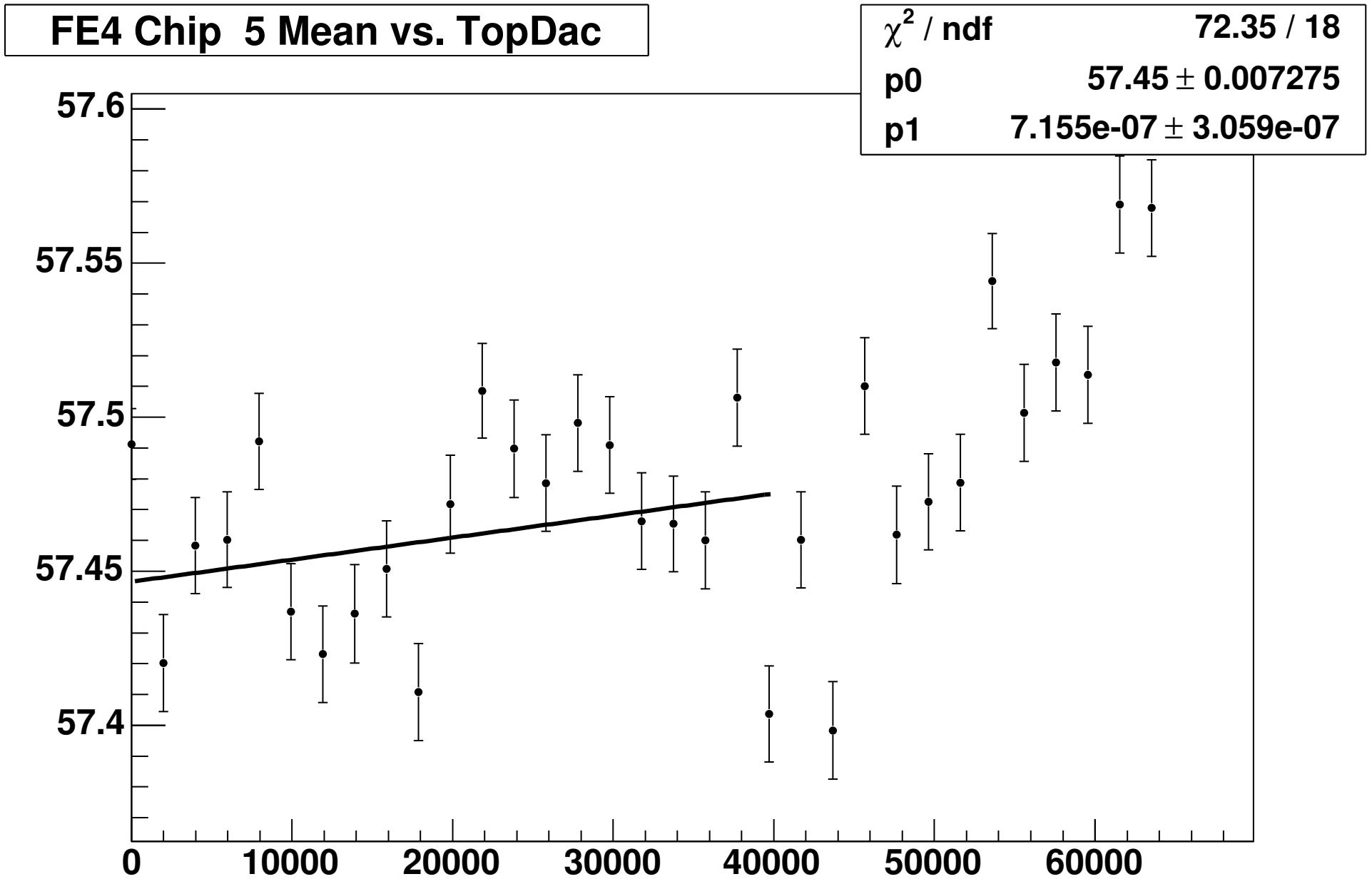

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 692.6 / 18
p0 1.358 ± 0.003983
p1 3.552e-05 ± 2.779e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

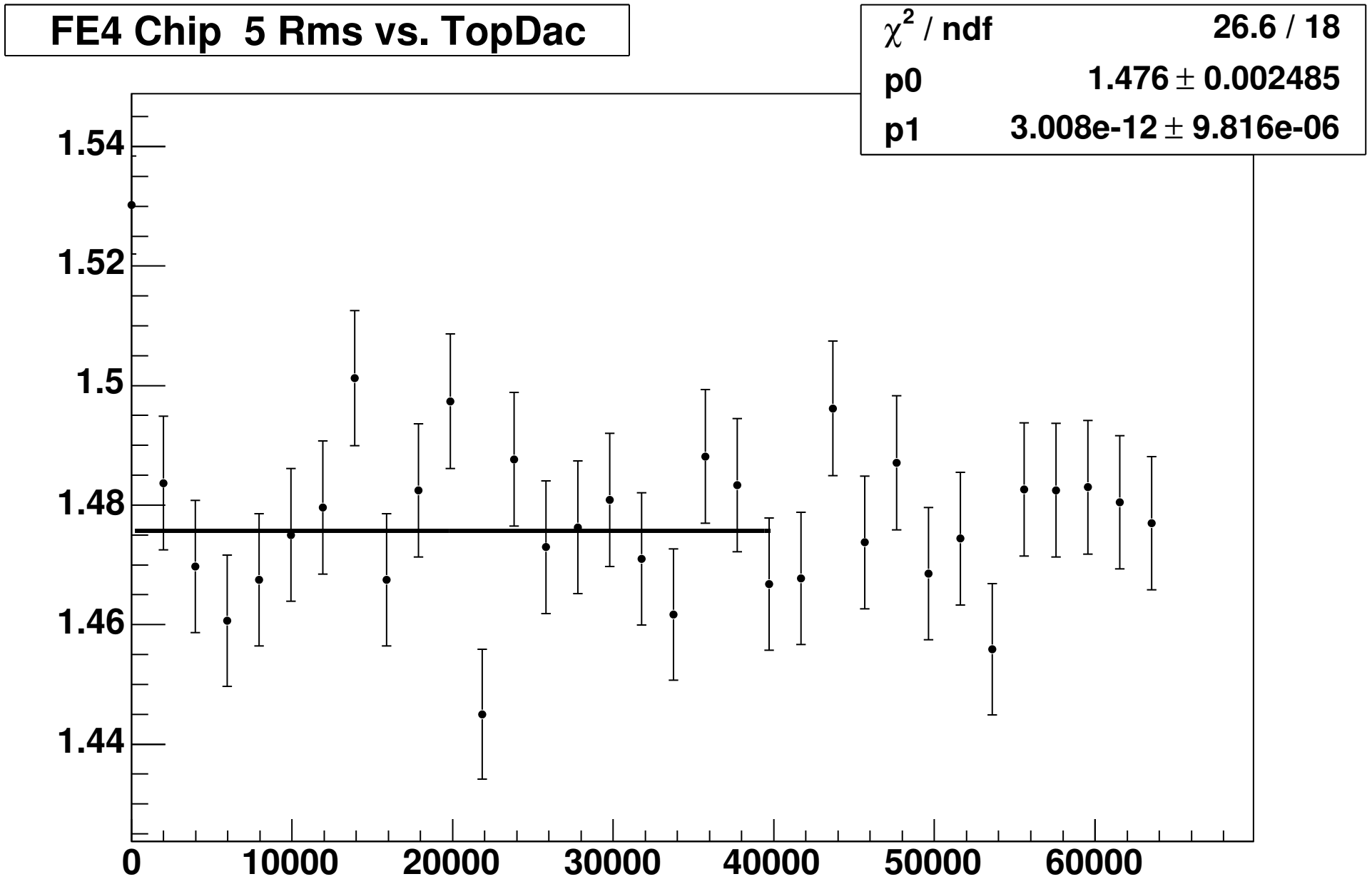

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 64.67 / 18
p0 61.86 ± 0.007161
p1 1.024e-06 ± 3.015e-07
62
61.95
61.9
61.85
61.8
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 22.86 / 18
p0 1.449 ± 0.00373
p1 3.568e-06 ± 2.031e-06
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 8.18e+04 / 18
p0 59.95 ± 0.007332
p1 0.4518 ± 3.38e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 420.1 / 18
p0 1.37 ± 0.003952
p1 3.295e-05 ± 2.889e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 72.35 / 18
p0 57.45 ± 0.007275
p1 7.155e-07 ± 3.059e-07
57.6
57.55
57.5
57.45
57.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 26.6 / 18
p0 1.476 ± 0.002485
p1 3.008e-12 ± 9.816e-06
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1.52
1.5
1.48
1.46
1.44
0
10000
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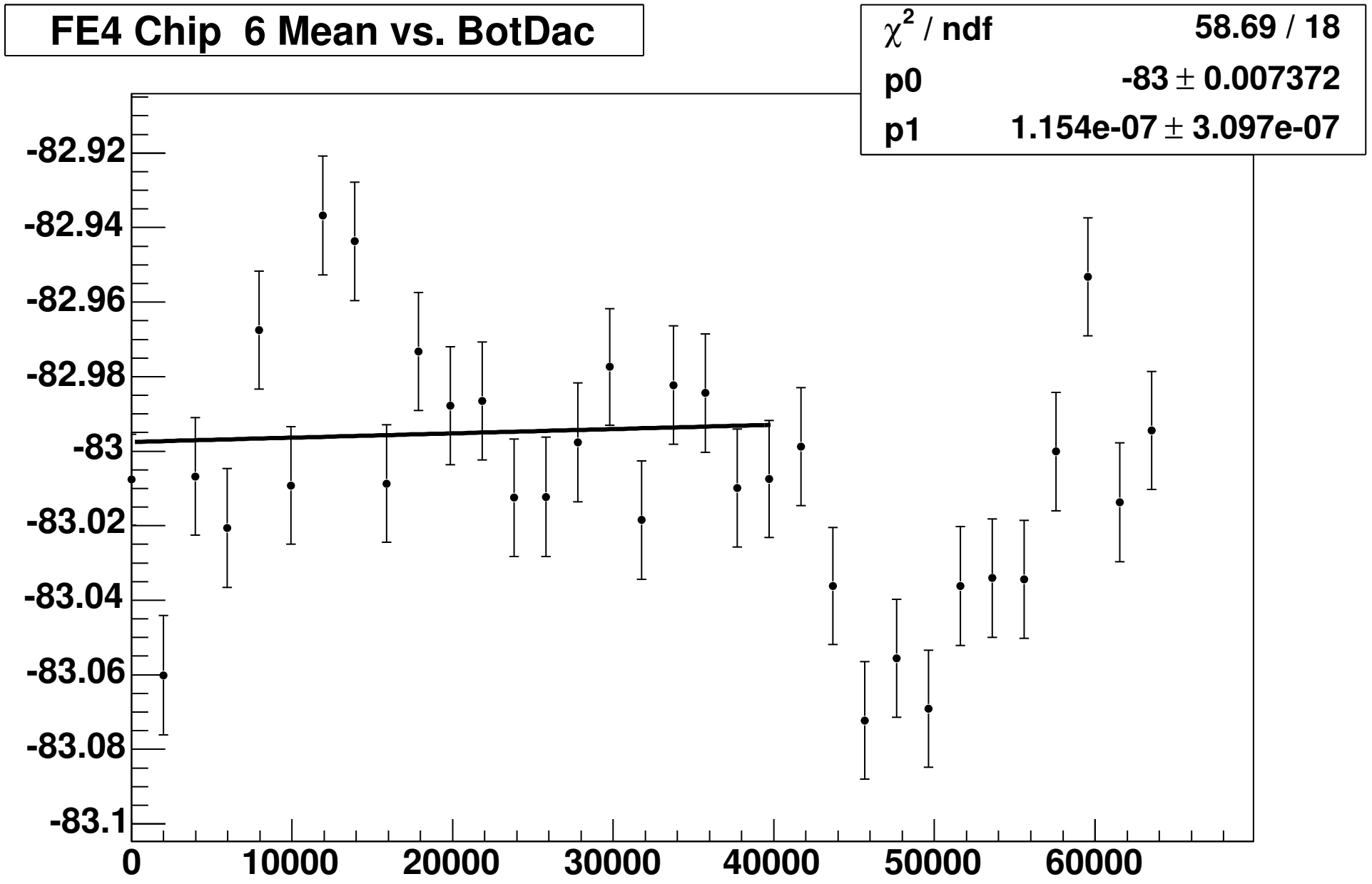
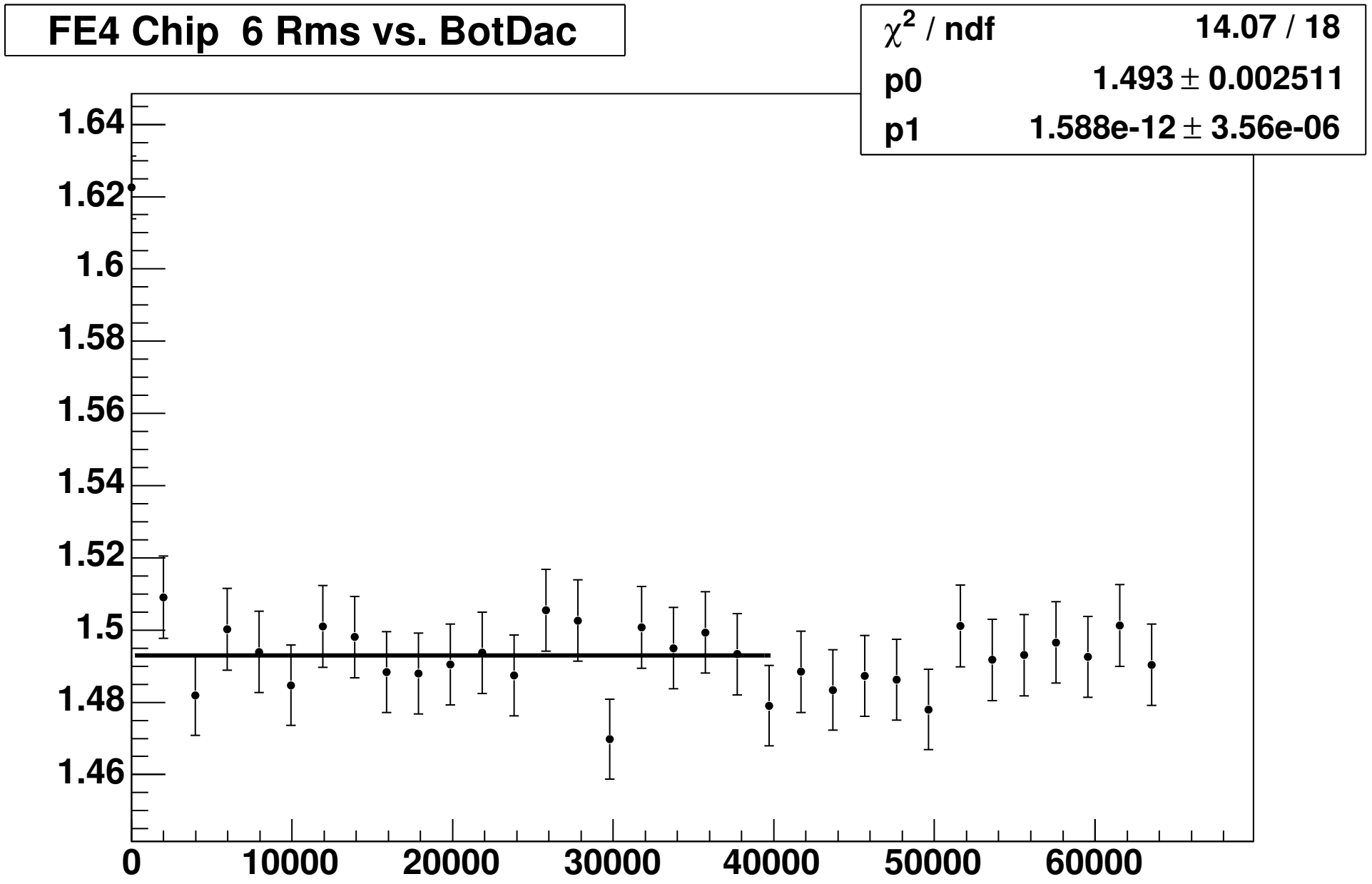
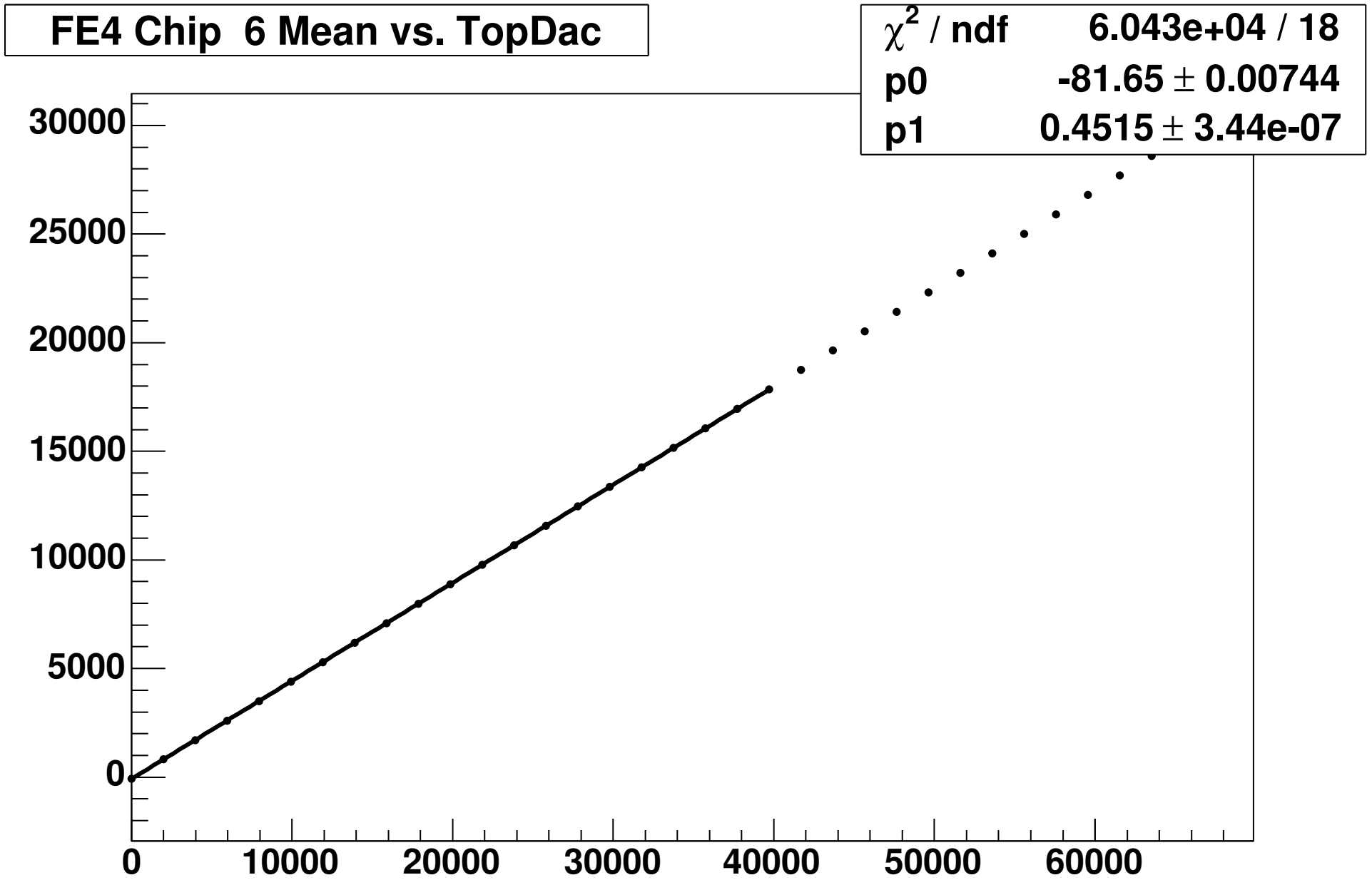
40000
50000
60000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 58.69 / 18
p0 -83 ± 0.007372
p1 1.154e-07 ± 3.097e-07
-82.92
-82.94
-82.96
-82.98
-83
-83.02
-83.04
-83.06
-83.08
-83.1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 14.07 / 18
p0 1.493 ± 0.002511
p1 1.588e-12 ± 3.56e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 6.043e+04 / 18
p0 -81.65 ± 0.00744
p1 0.4515 ± 3.44e-07
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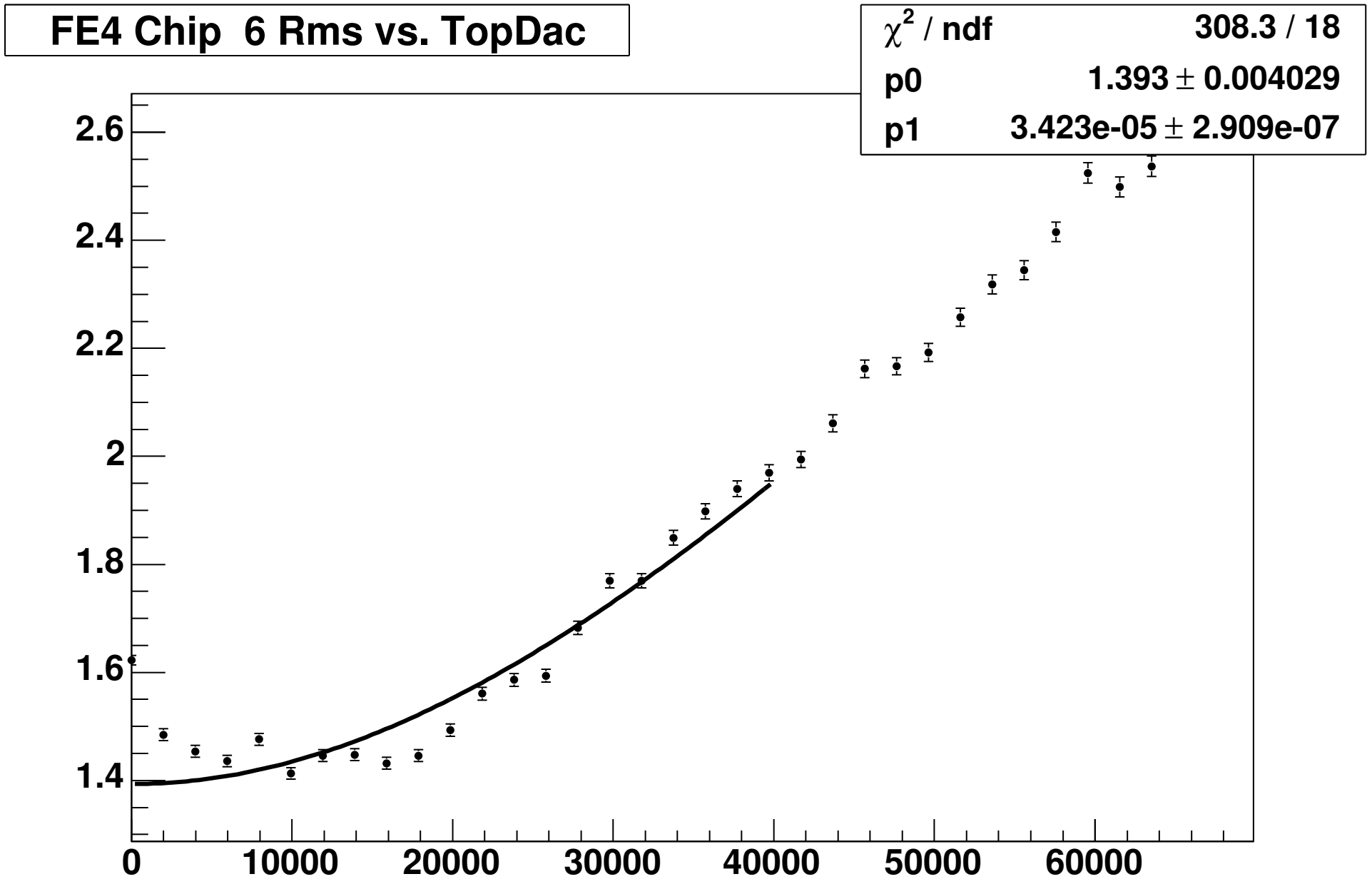
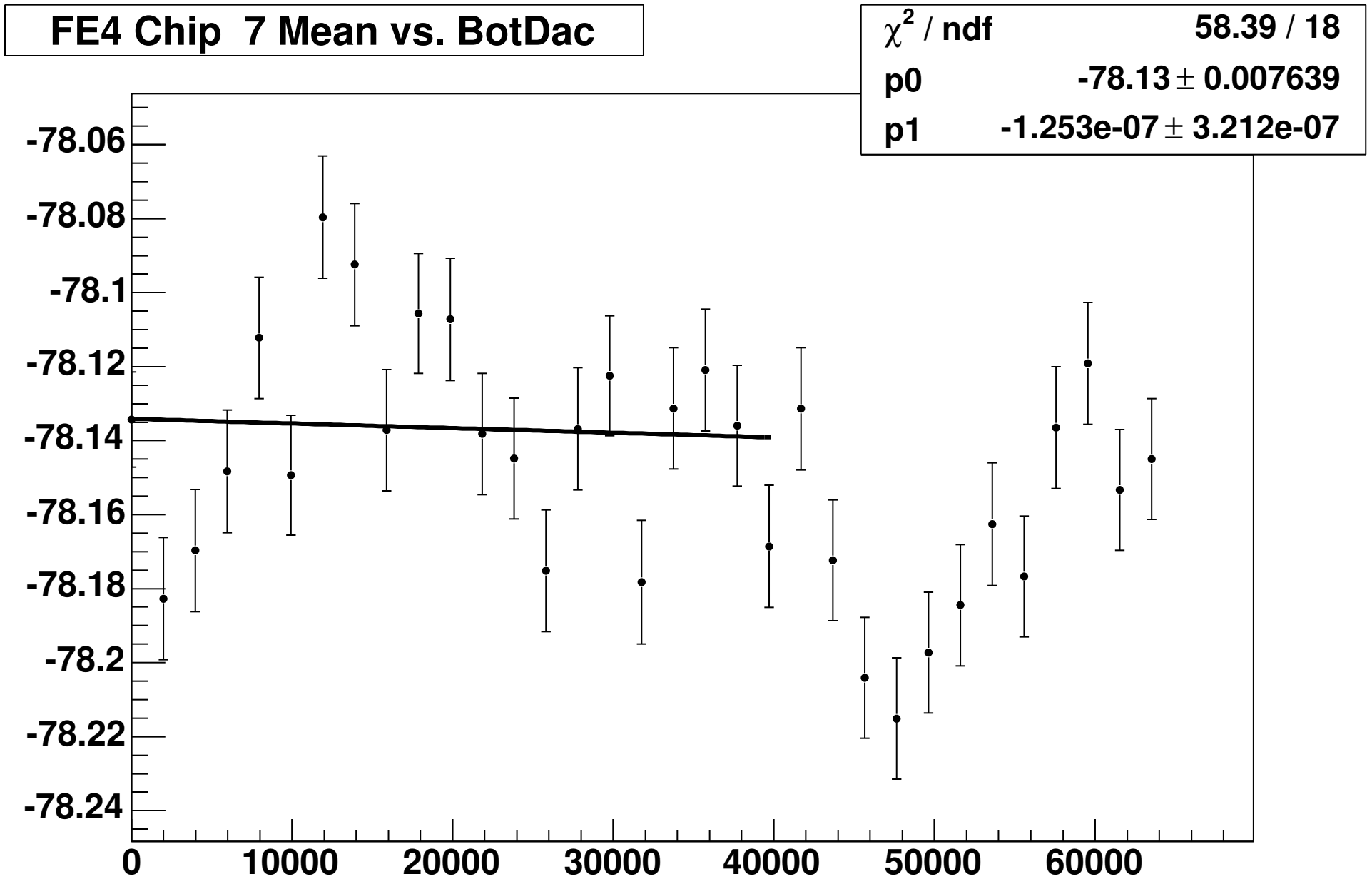
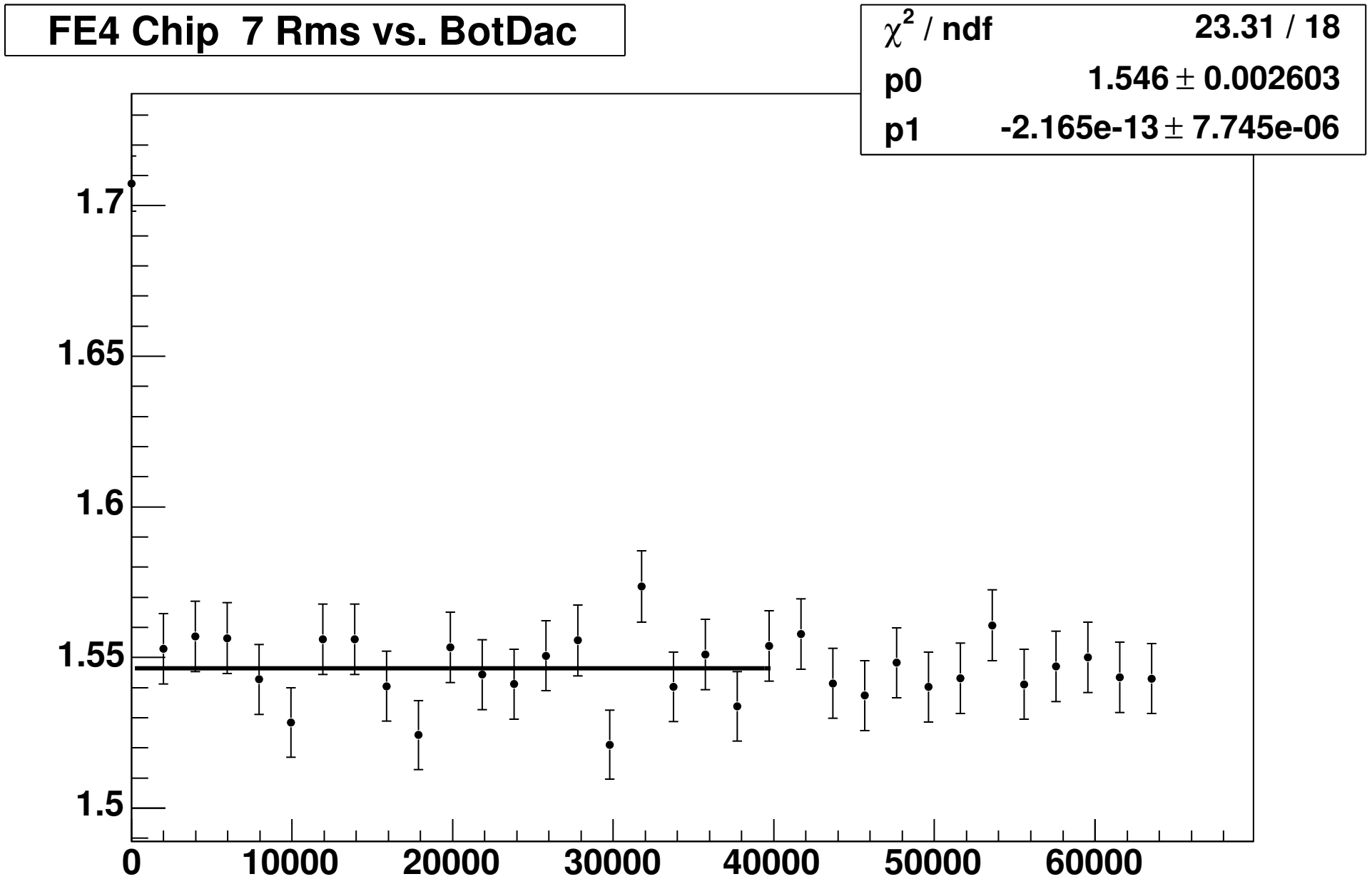
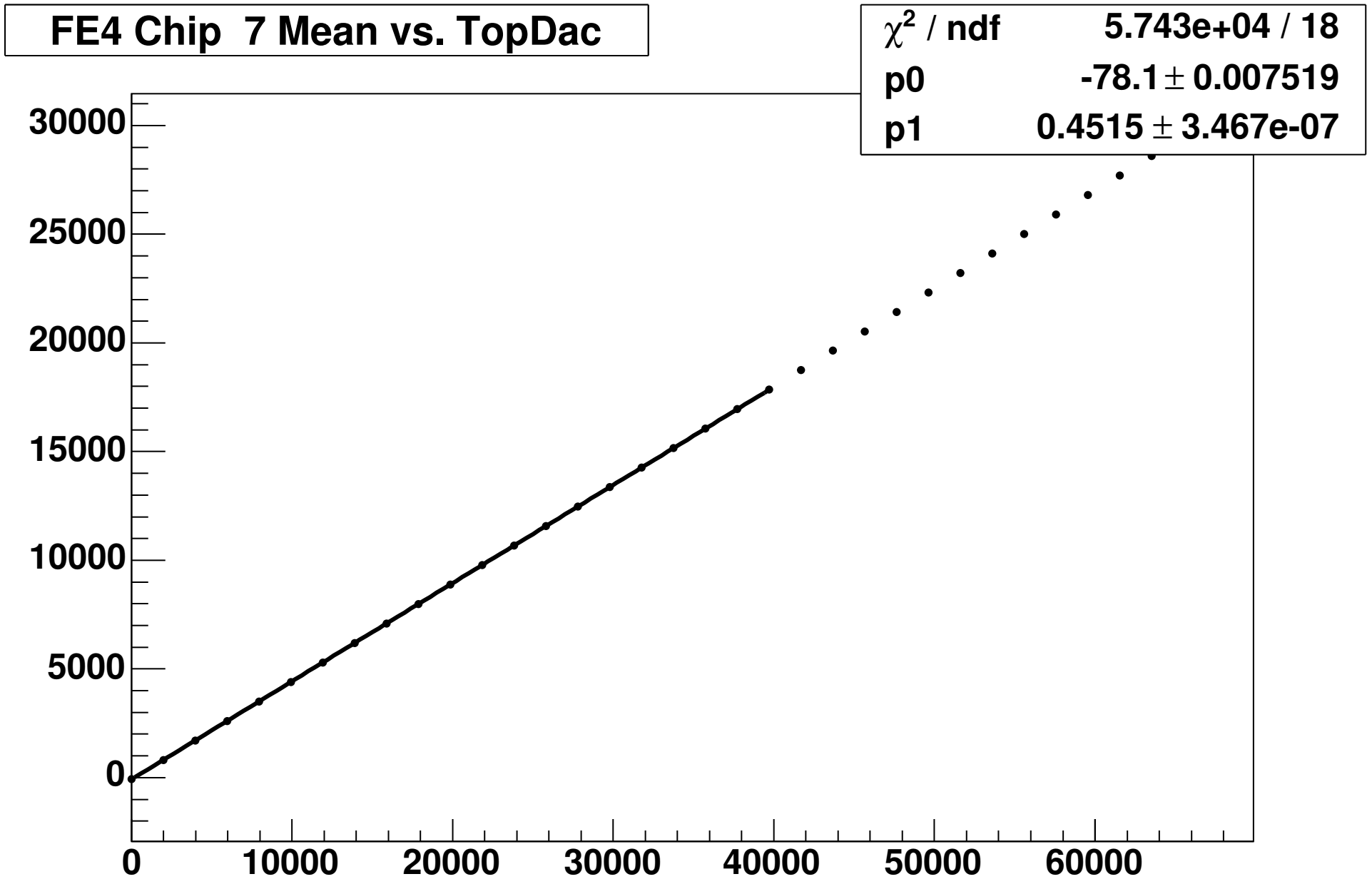
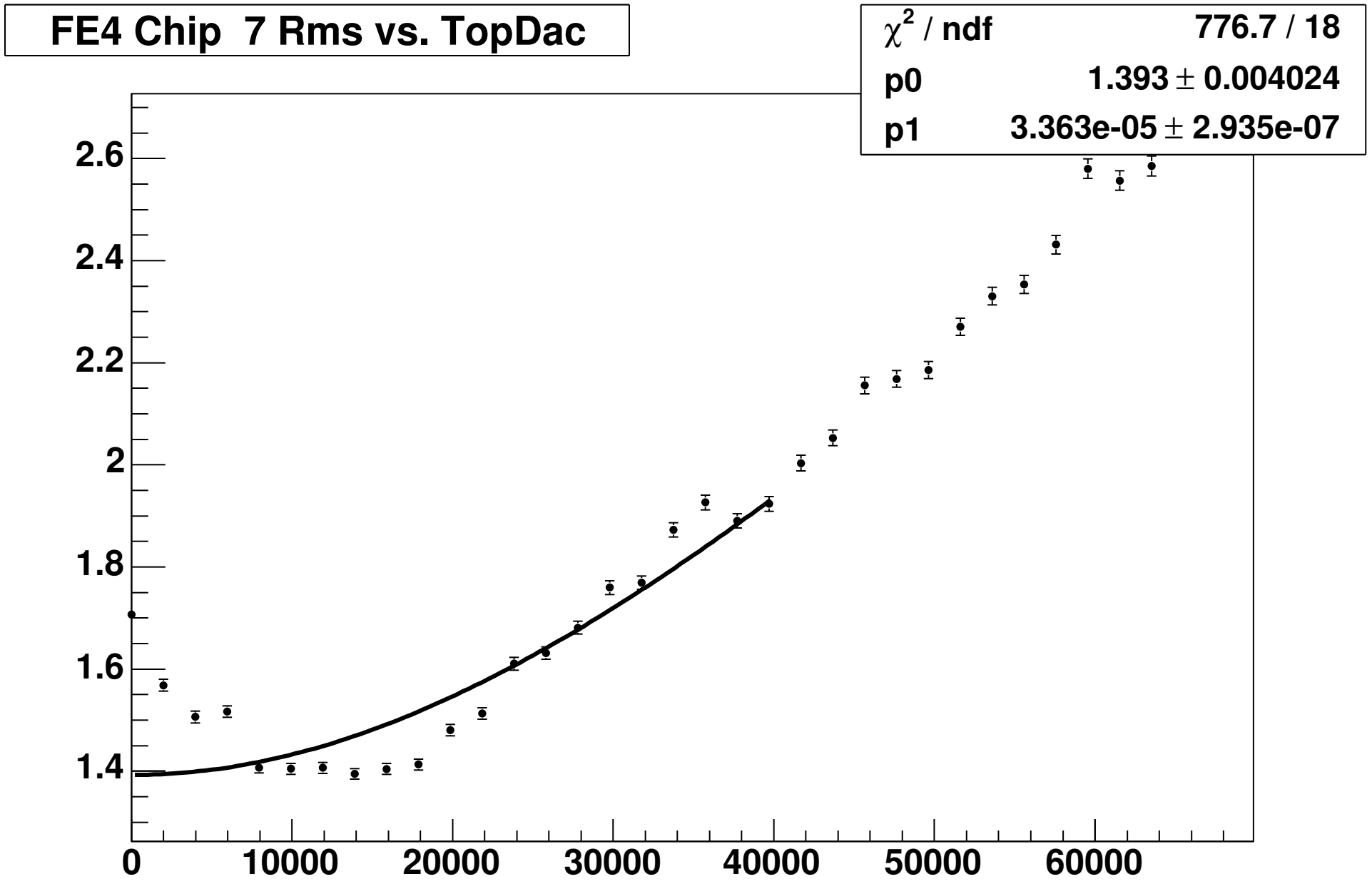
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

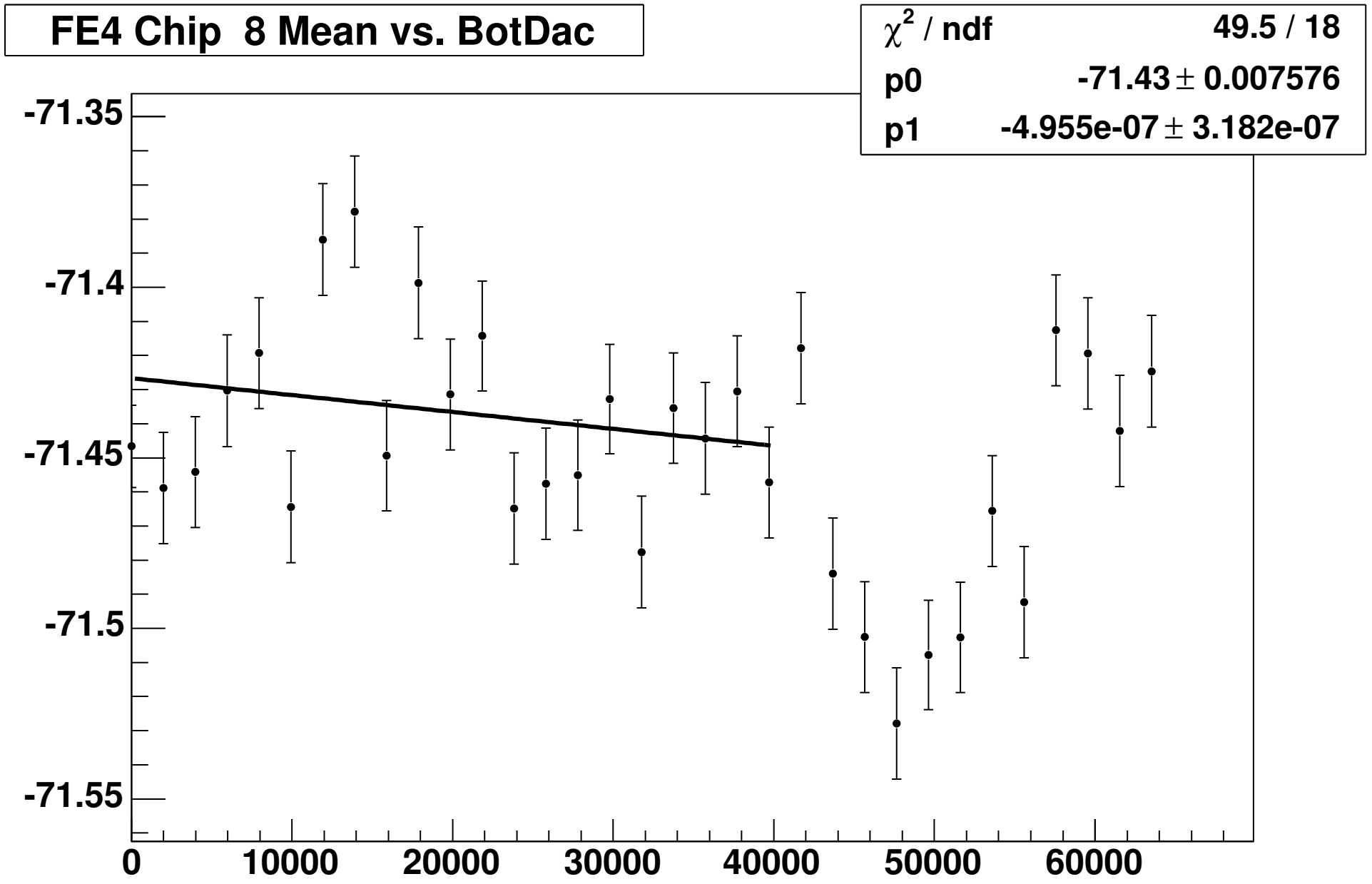

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 308.3 / 18
p0 1.393 ± 0.004029
p1 3.423e-05 ± 2.909e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

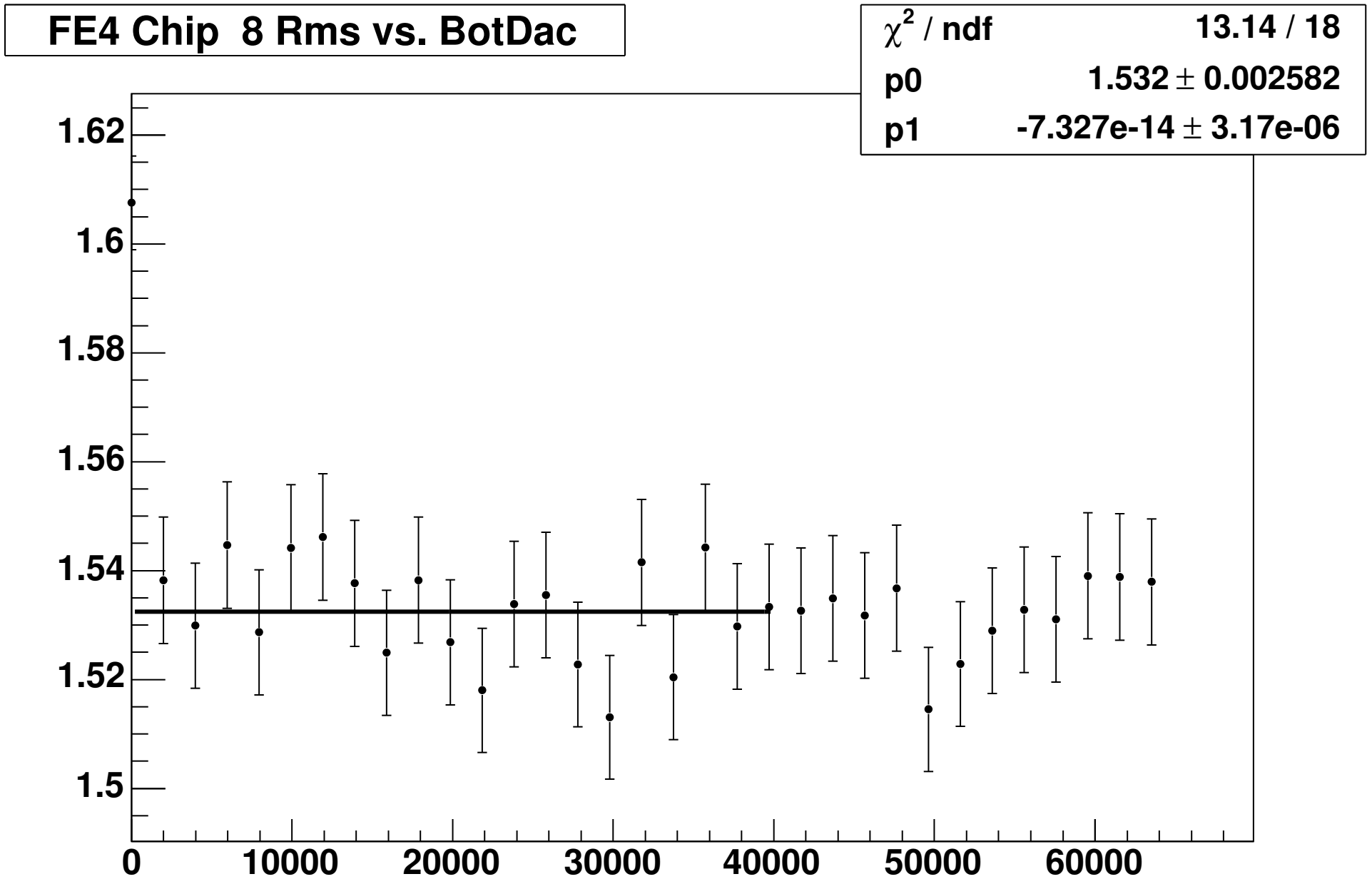

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 58.39 / 18
p0 -78.13 ± 0.007639
p1 -1.253e-07 ± 3.212e-07
-78.06
-78.08
-78.1
-78.12
-78.14
-78.16
-78.18
-78.2
-78.22
-78.24
0
10000
20000
30000
40000
50000
60000

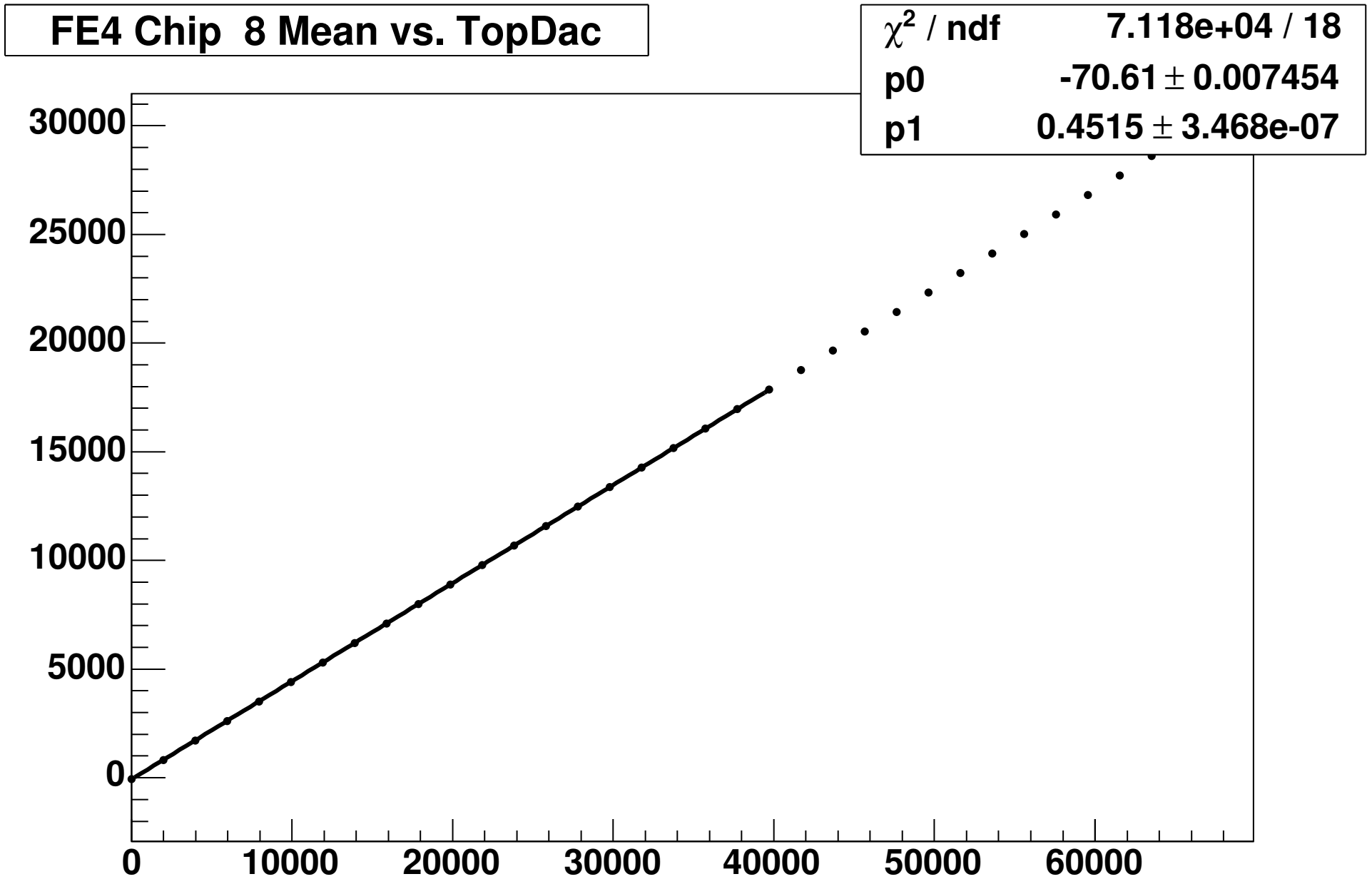

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 23.31 / 18
p0 1.546 ± 0.002603
p1 -2.165e-13 ± 7.745e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

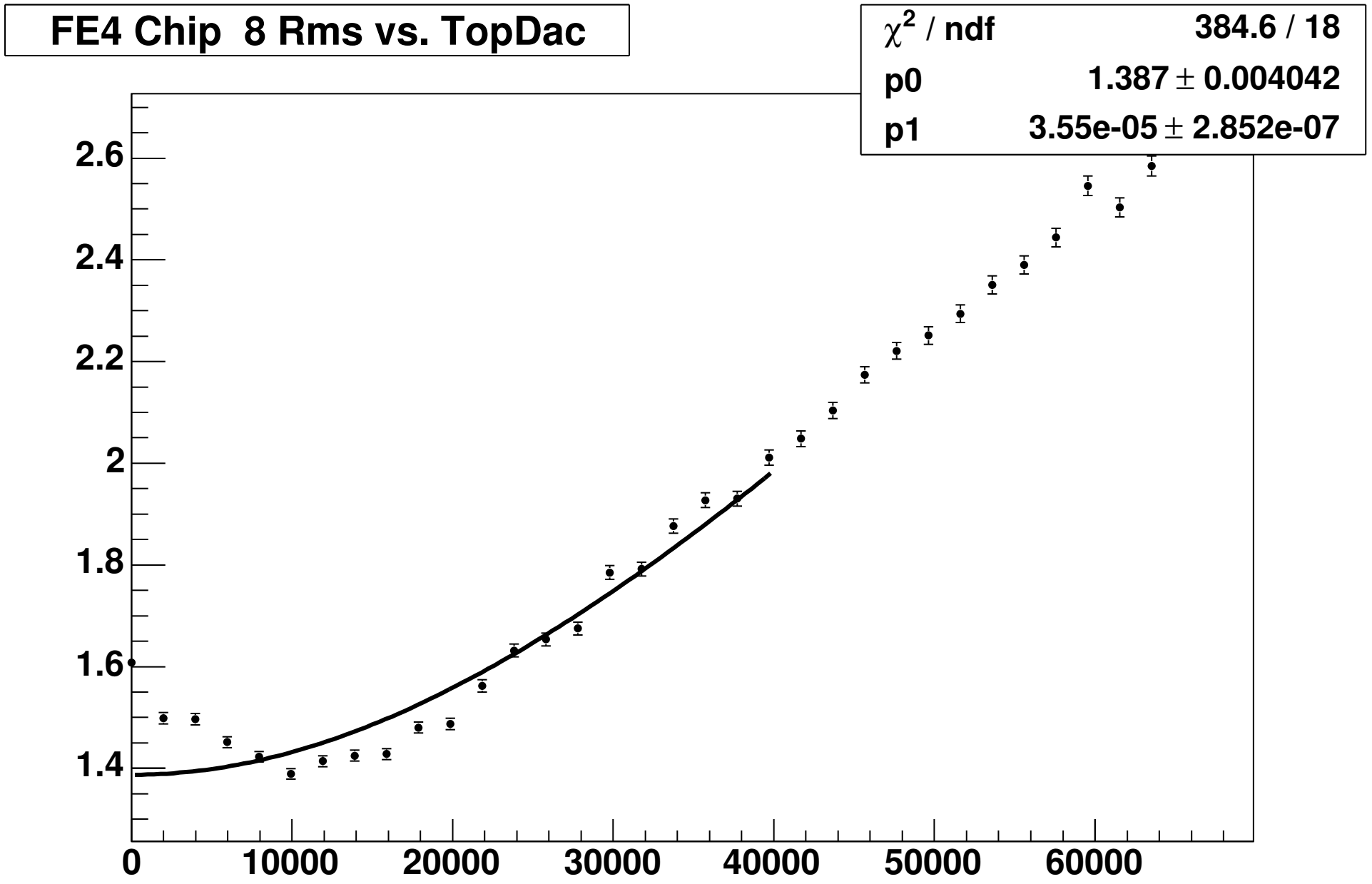

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 5.743e+04 / 18
p0 -78.1 ± 0.007519
p1 0.4515 ± 3.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

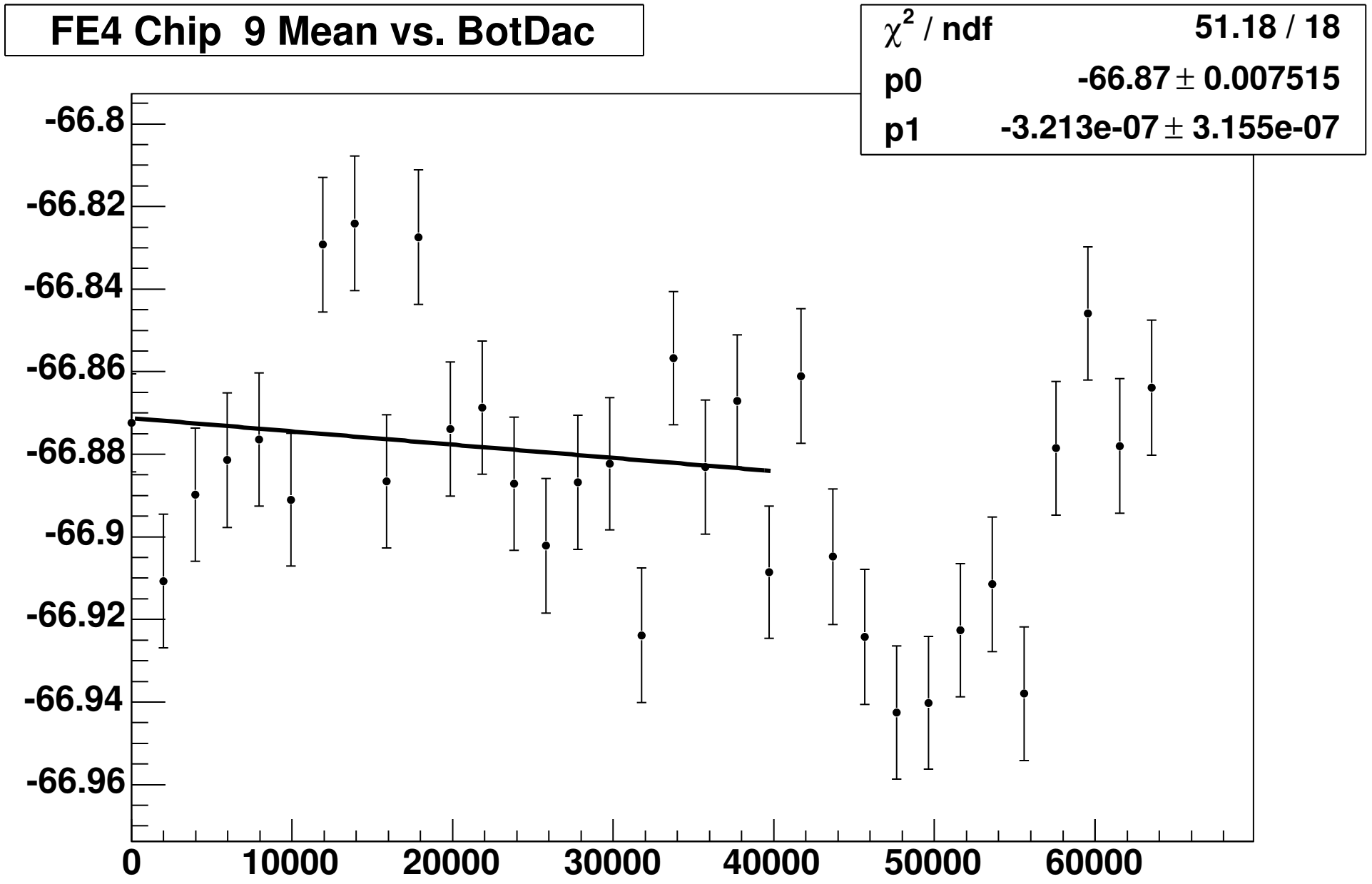

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 776.7 / 18
p0 1.393 ± 0.004024
p1 3.363e-05 ± 2.935e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 49.5 / 18
p0 -71.43 ± 0.007576
p1 -4.955e-07 ± 3.182e-07
-71.35
-71.4
-71.45
-71.5
-71.55
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 13.14 / 18
p0 1.532 ± 0.002582
p1 -7.327e-14 ± 3.17e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 7.118e+04 / 18
p0 -70.61 ± 0.007454
p1 0.4515 ± 3.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 384.6 / 18
p0 1.387 ± 0.004042
p1 3.55e-05 ± 2.852e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 51.18 / 18
p0 -66.87 ± 0.007515
p1 -3.213e-07 ± 3.155e-07
-66.8
-66.82
-66.84
-66.86
-66.88
-66.9
-66.92
-66.94
-66.96
0
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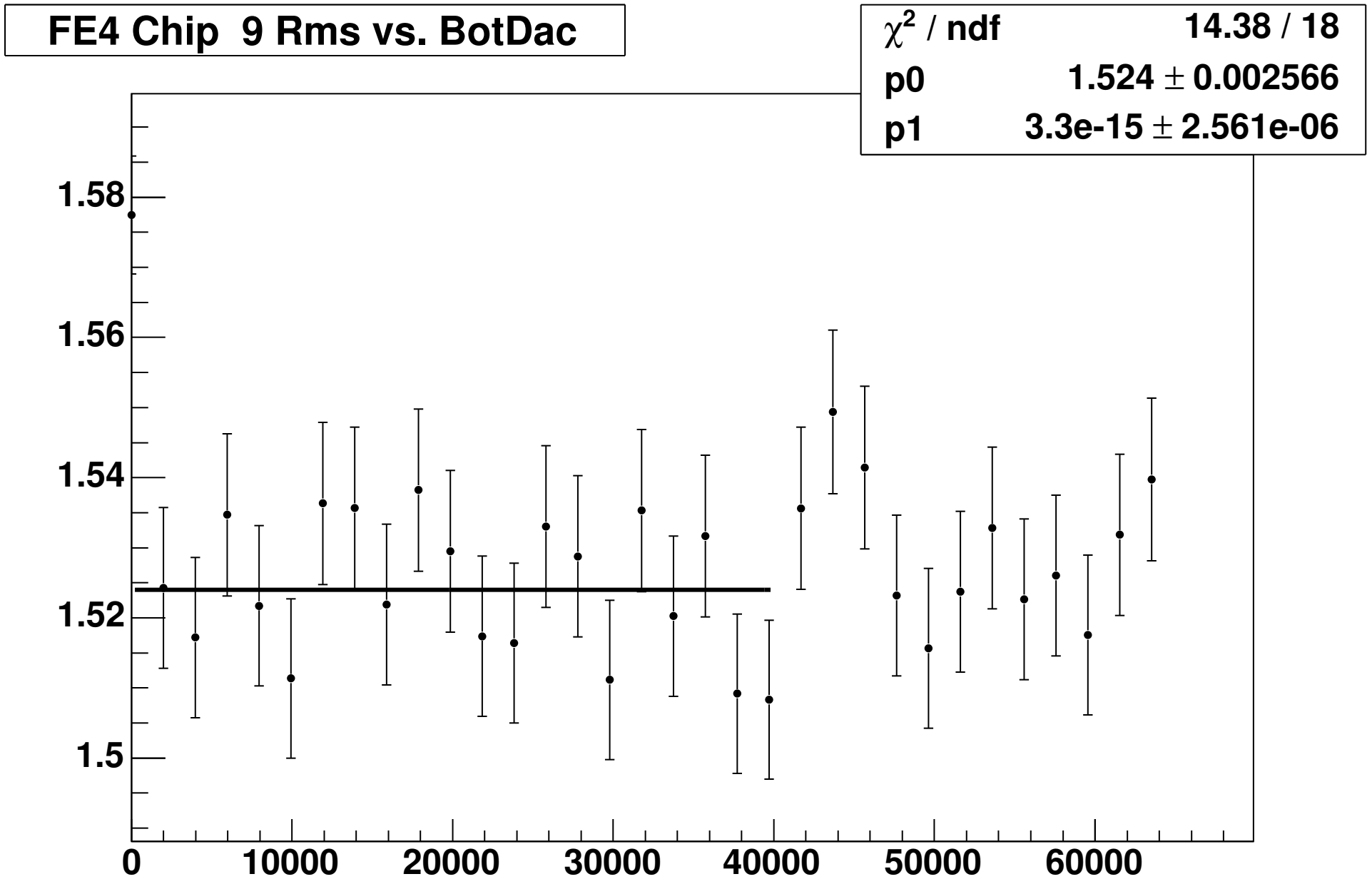
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 14.38 / 18
p0 1.524 ± 0.002566
p1 3.3e-15 ± 2.561e-06
1.58
1.56
1.54
1.52
1.5
0
10000
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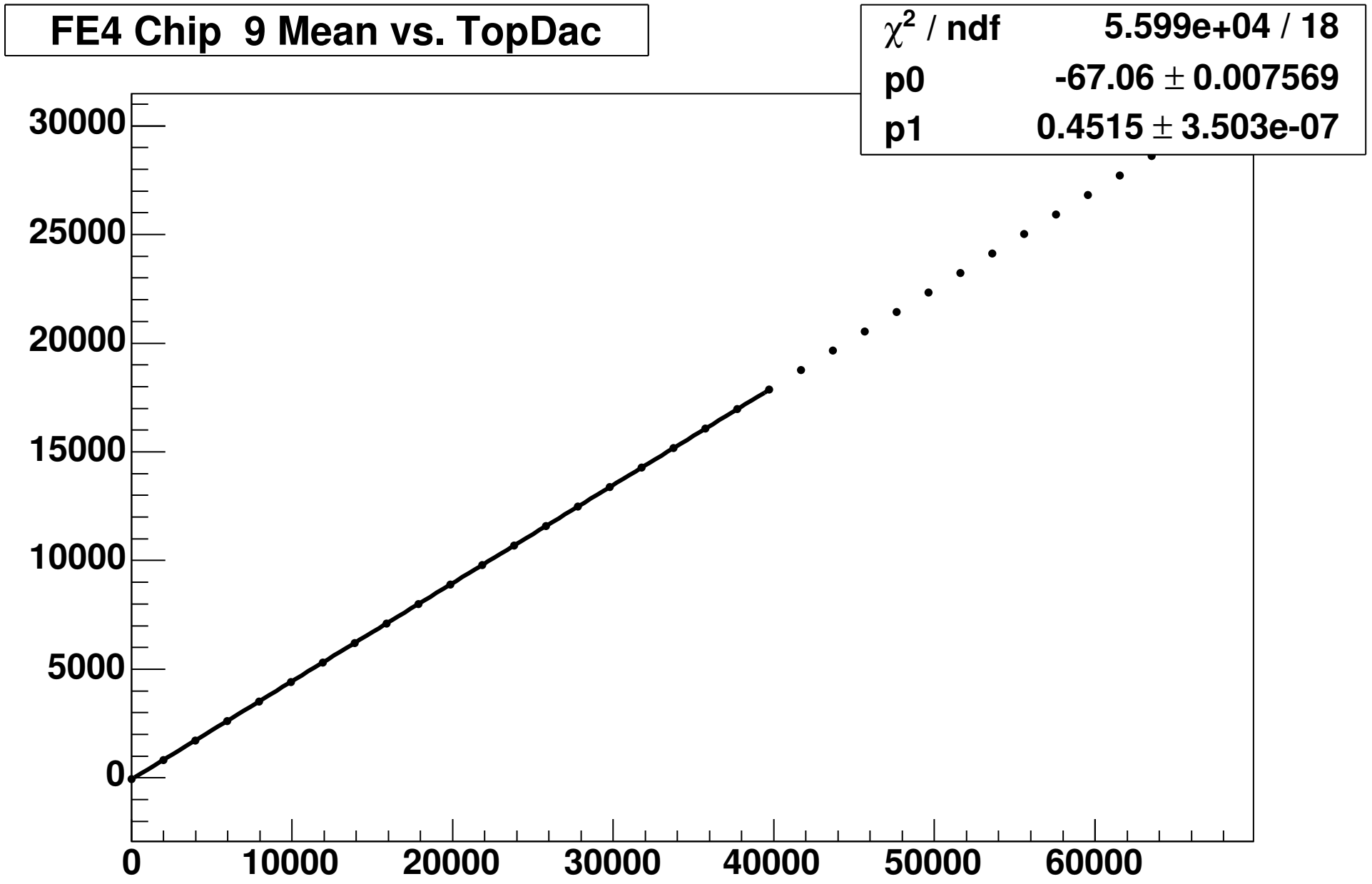
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 5.599e+04 / 18
p0 -67.06 ± 0.007569
p1 0.4515 ± 3.503e-07
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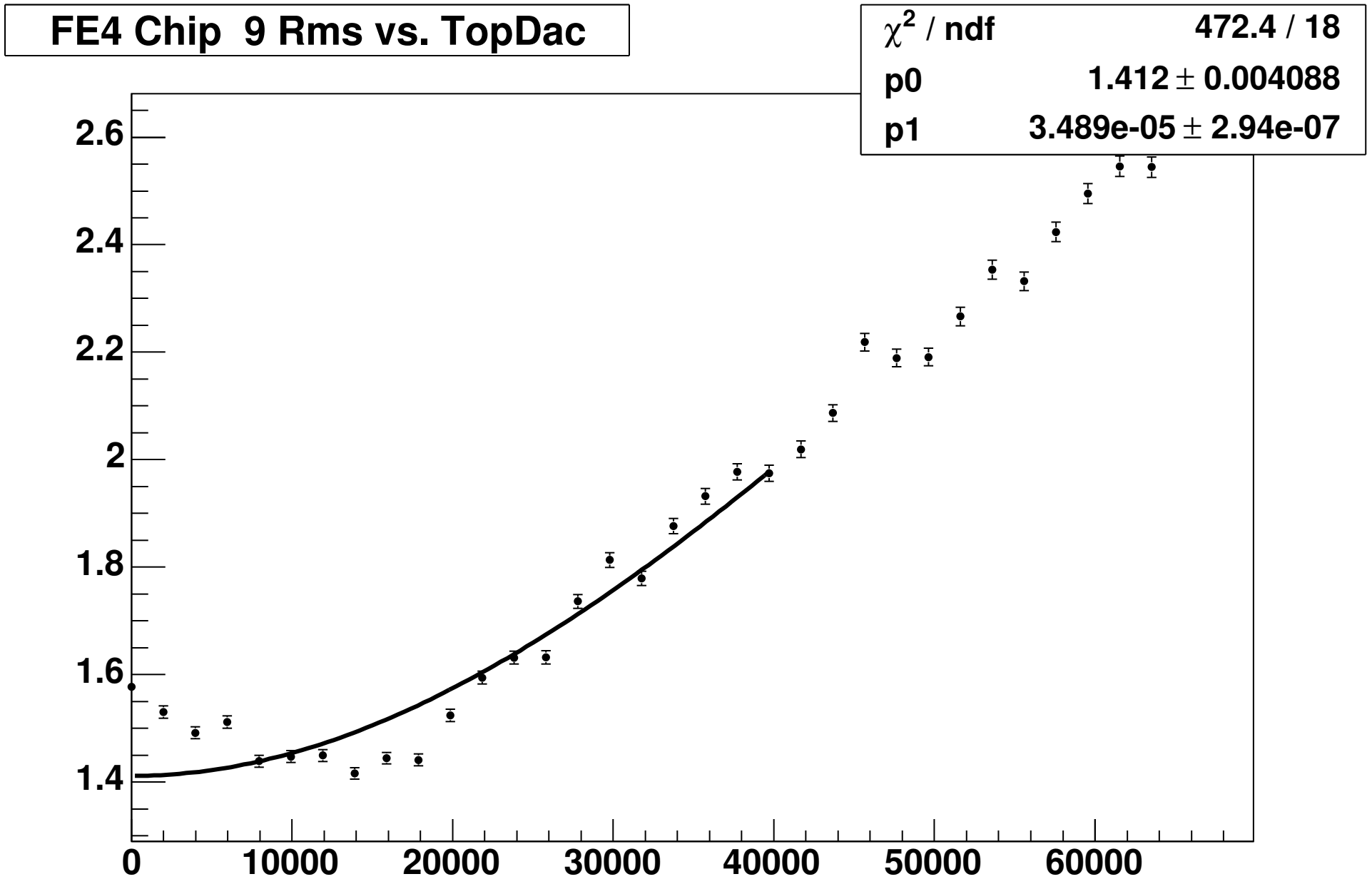
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 472.4 / 18
p0 1.412 ± 0.004088
p1 3.489e-05 ± 2.94e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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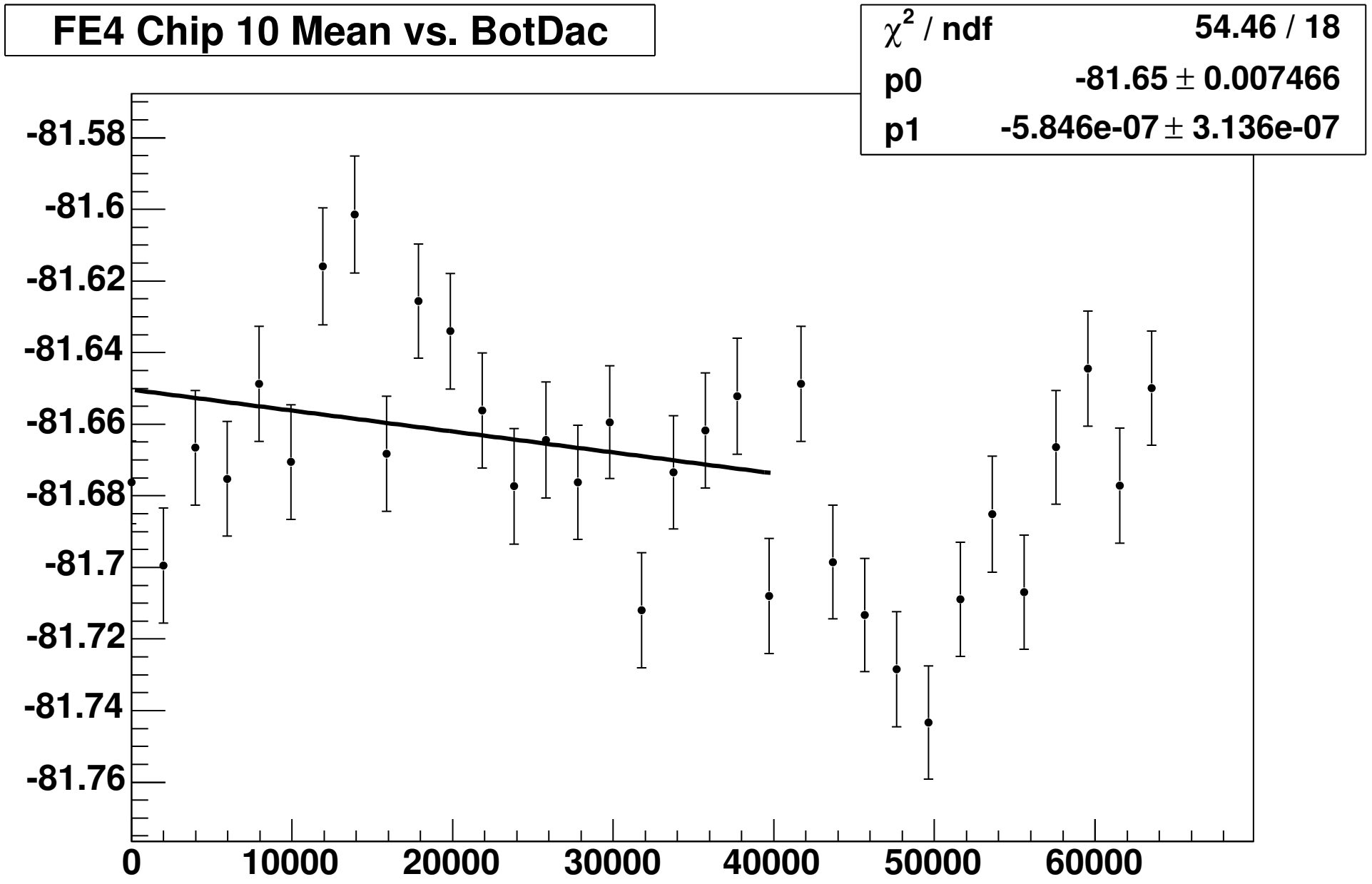
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 54.46 / 18
p0 -81.65 ± 0.007466
p1 -5.846e-07 ± 3.136e-07
-81.58
-81.6
-81.62
-81.64
-81.66
-81.68
-81.7
-81.72
-81.74
-81.76
0
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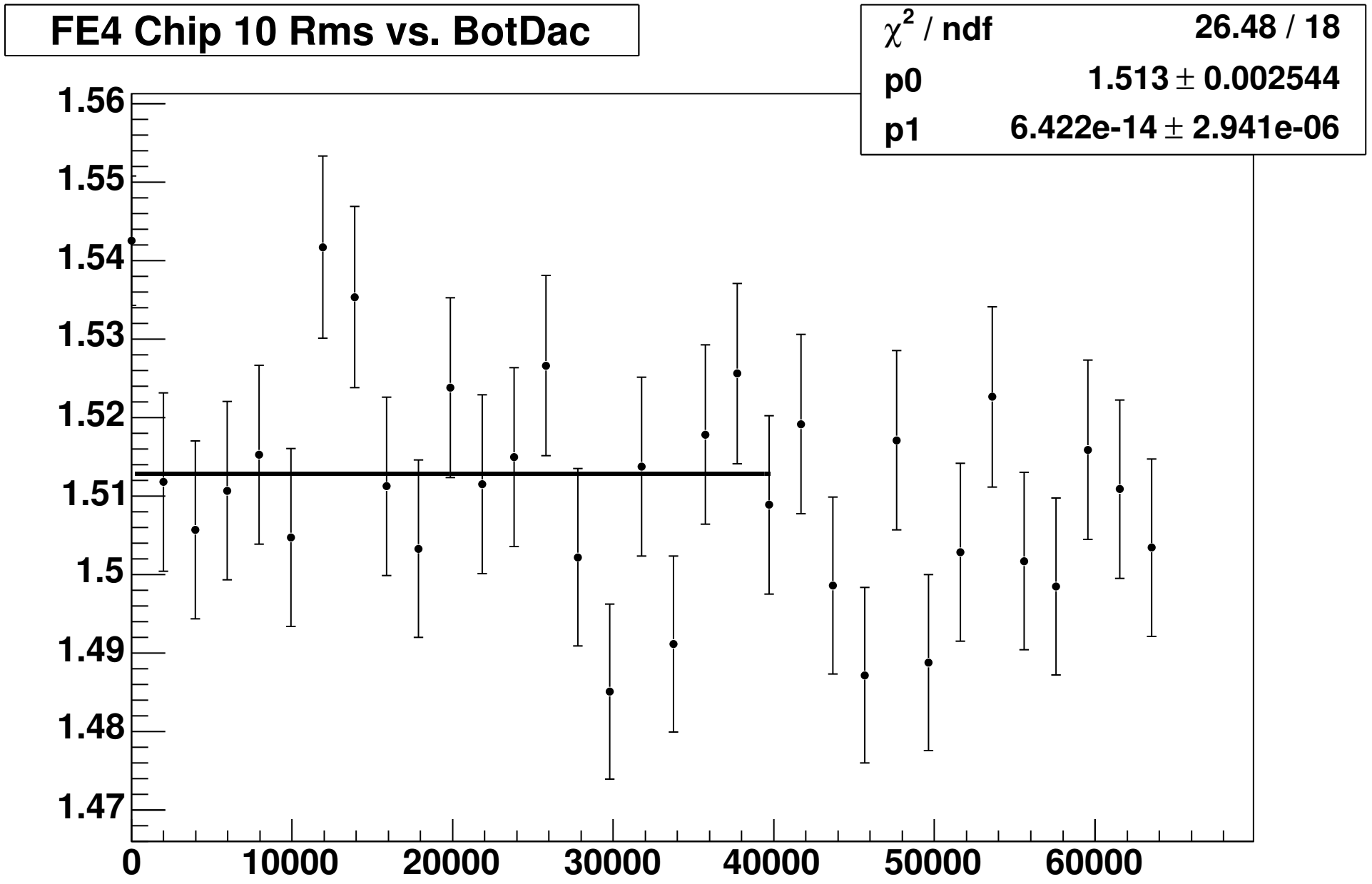
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 26.48 / 18
p0 1.513 ± 0.002544
p1 6.422e-14 ± 2.941e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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30000
40000
50000
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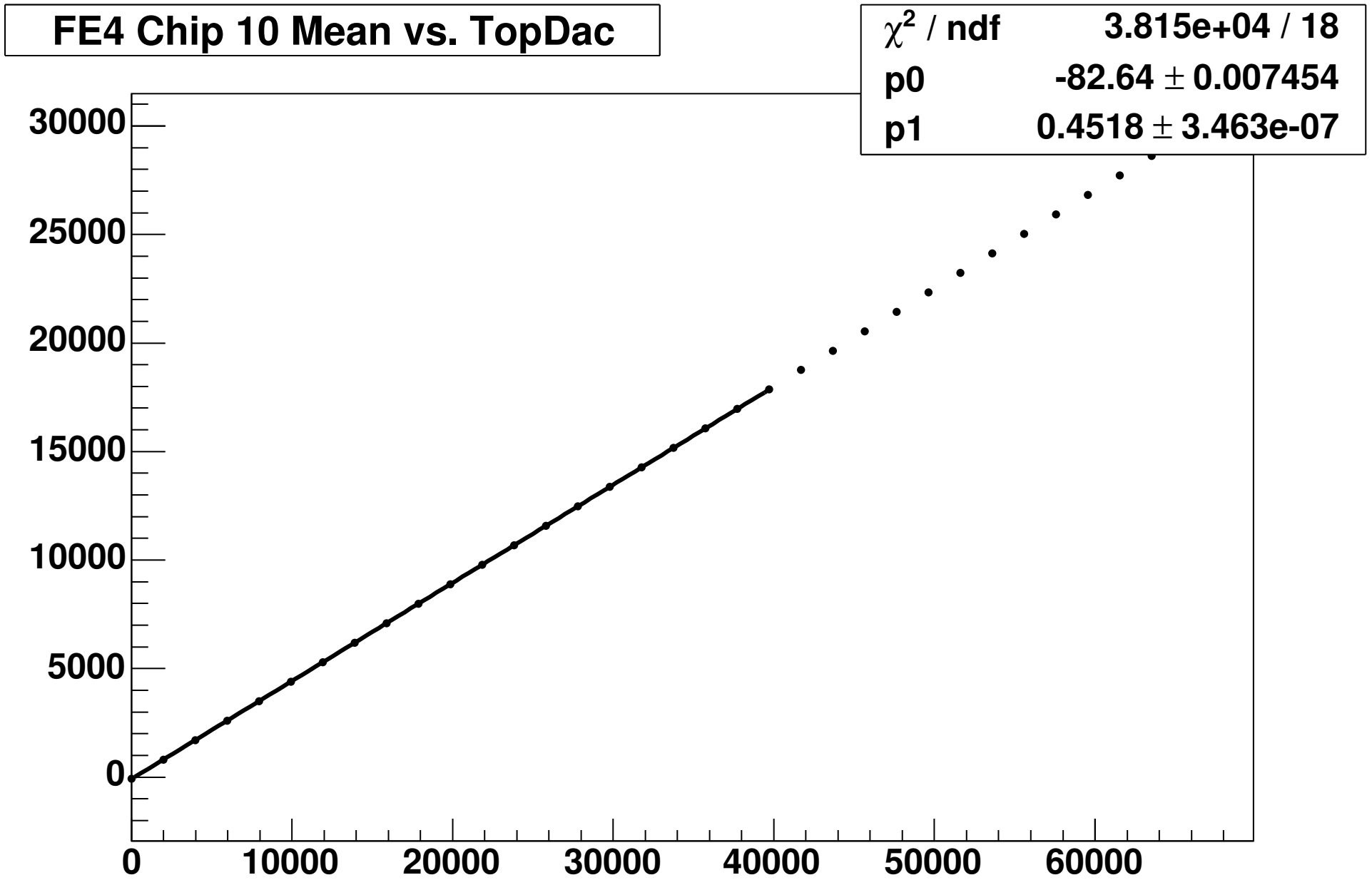
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 3.815e+04 / 18
p0 -82.64 ± 0.007454
p1 0.4518 ± 3.463e-07
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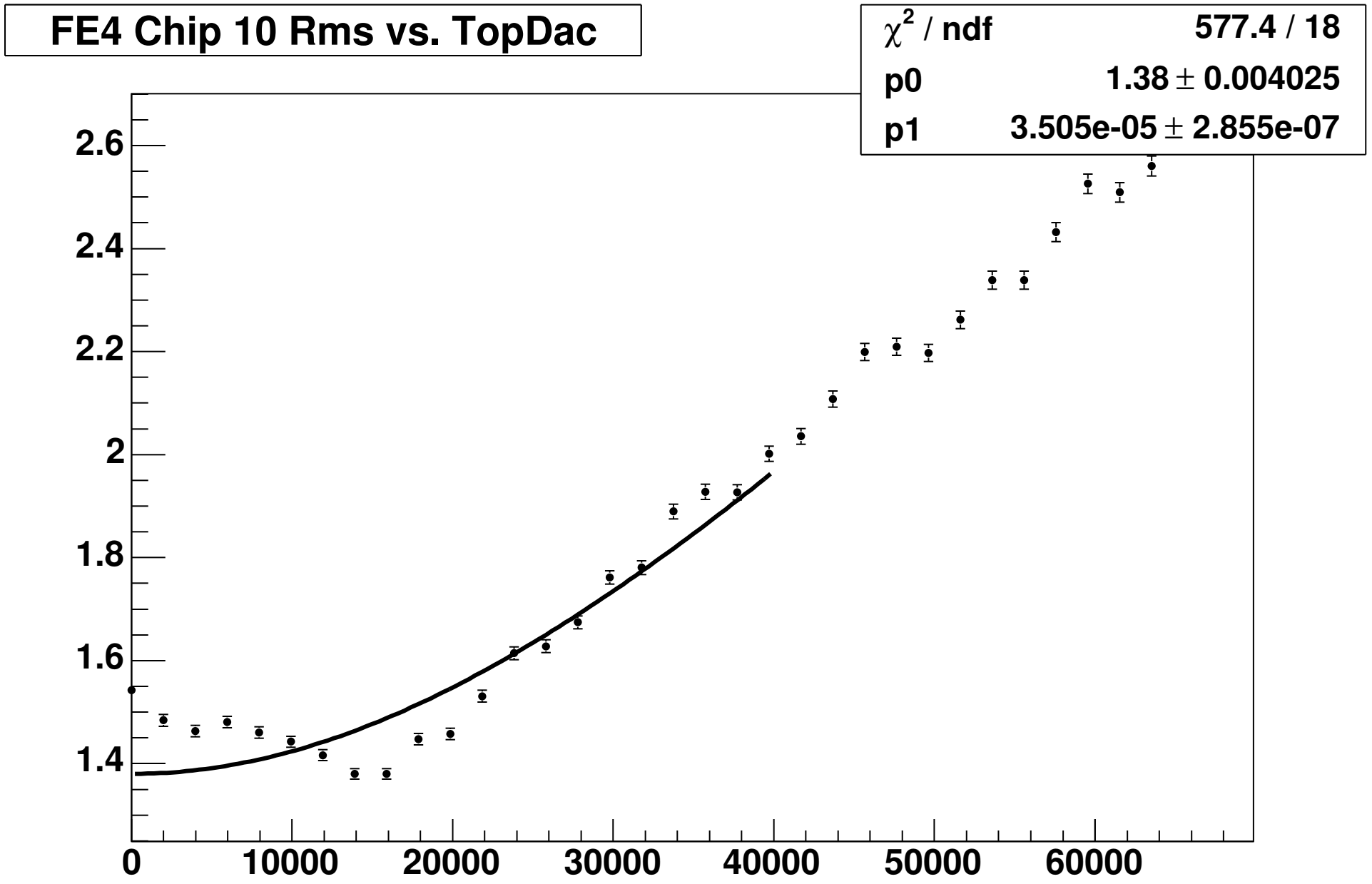
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 577.4 / 18
p0 1.38 ± 0.004025
p1 3.505e-05 ± 2.855e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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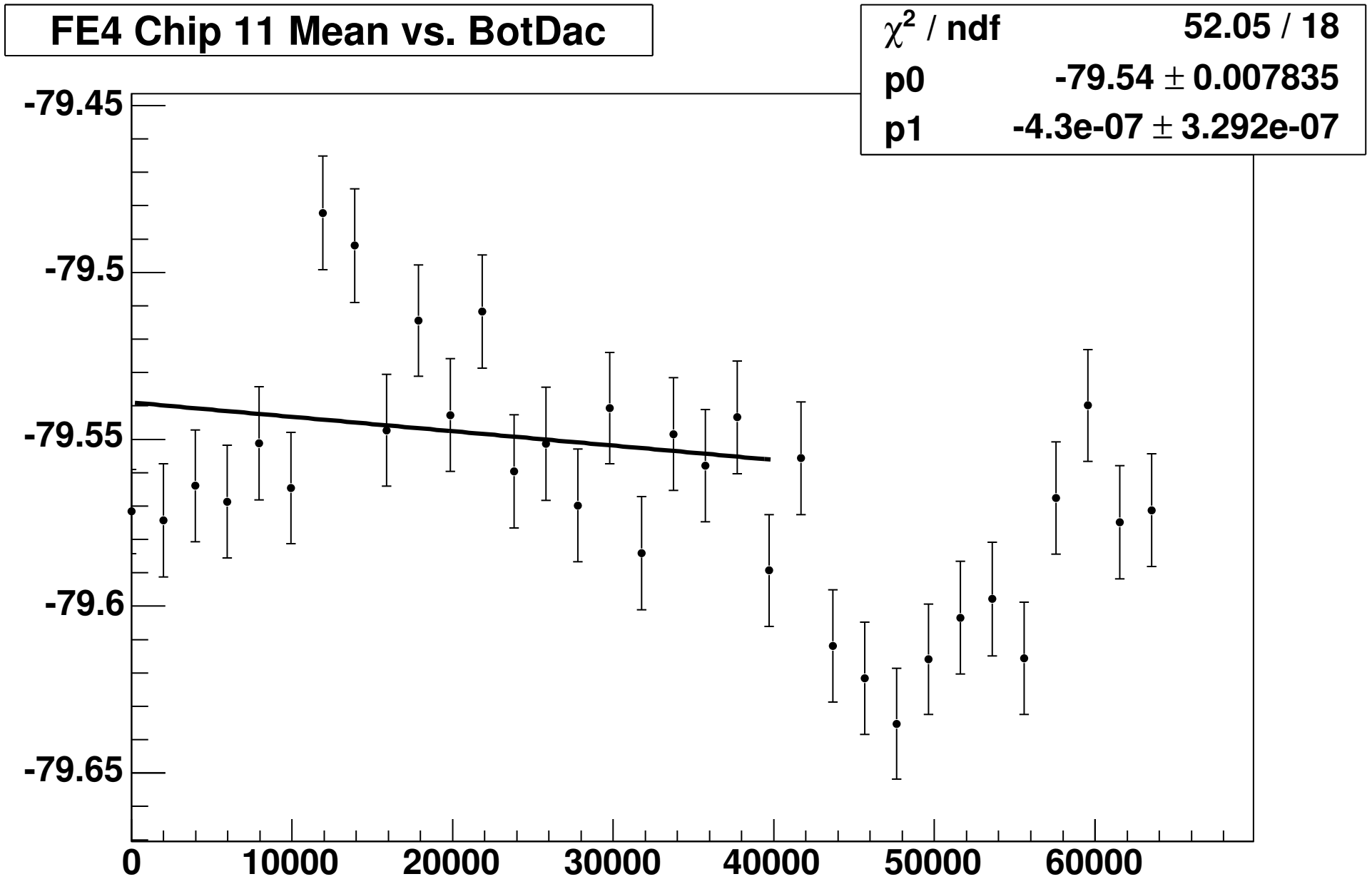
30000
40000
50000
60000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 52.05 / 18
p0 -79.54 ± 0.007835
p1 -4.3e-07 ± 3.292e-07
-79.45
-79.5
-79.55
-79.6
-79.65
0
10000
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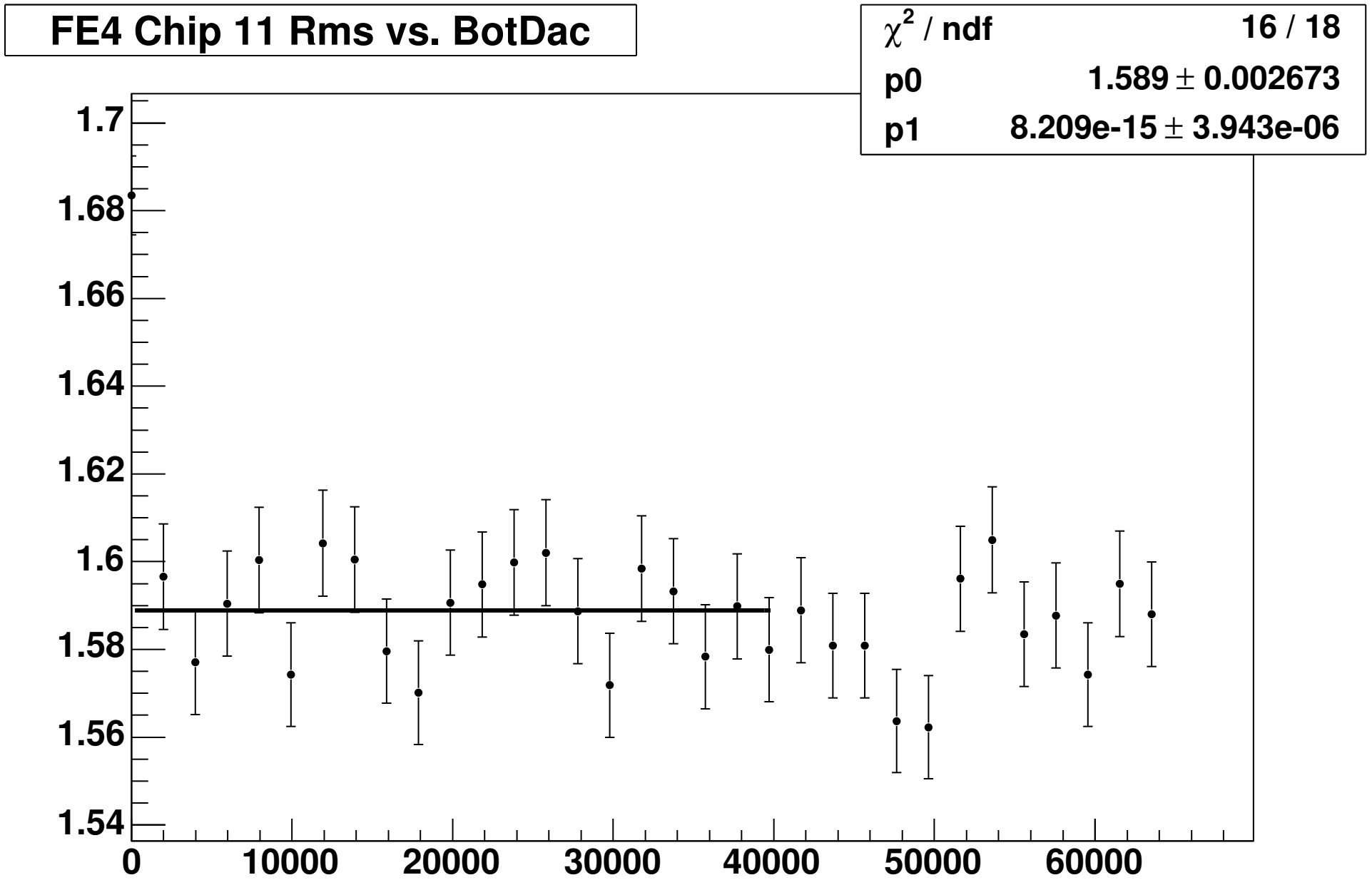
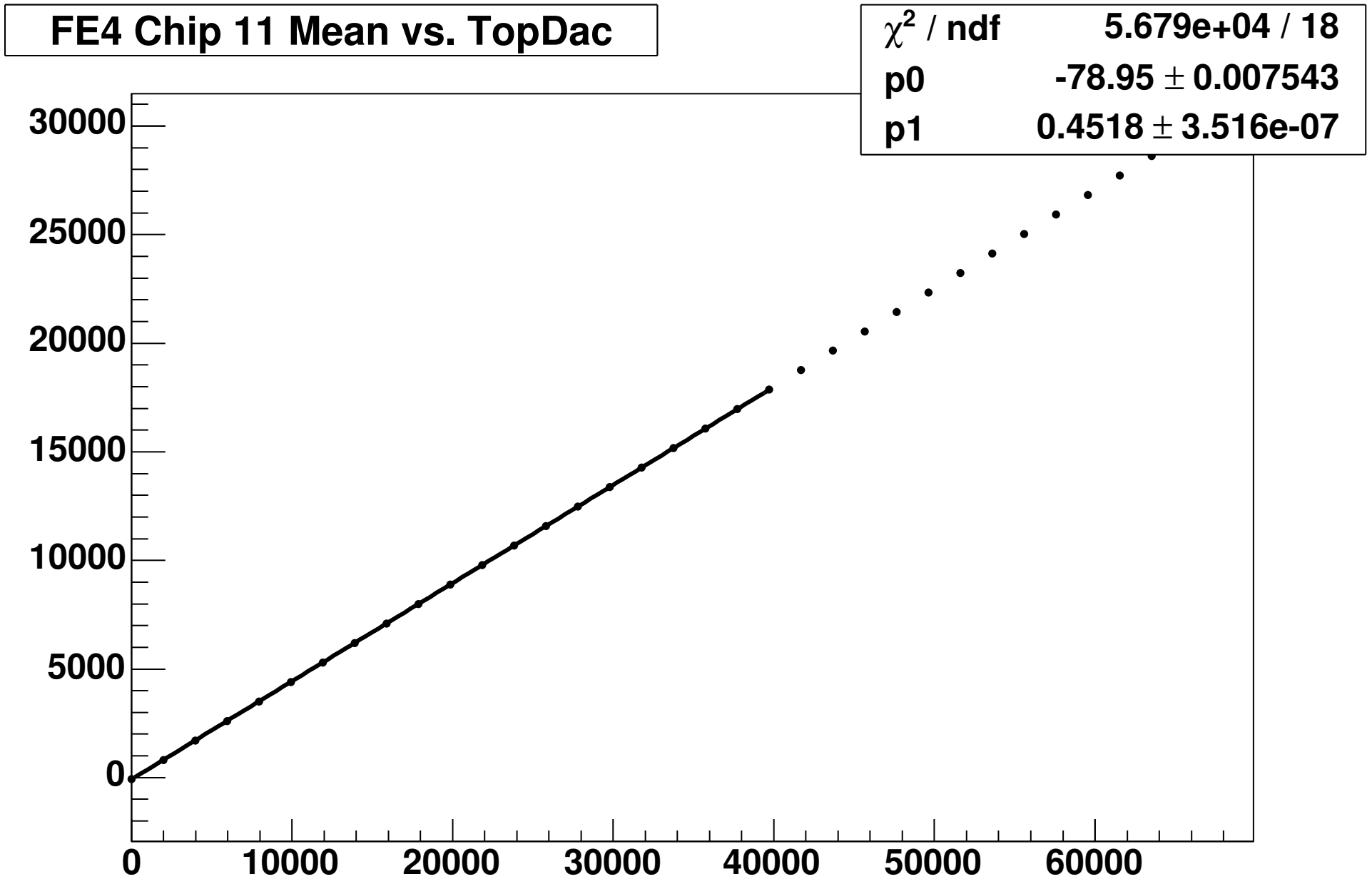
30000
40000
50000
60000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 16 / 18
p0 1.589 ± 0.002673
p1 8.209e-15 ± 3.943e-06
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 5.679e+04 / 18
p0 -78.95 ± 0.007543
p1 0.4518 ± 3.516e-07
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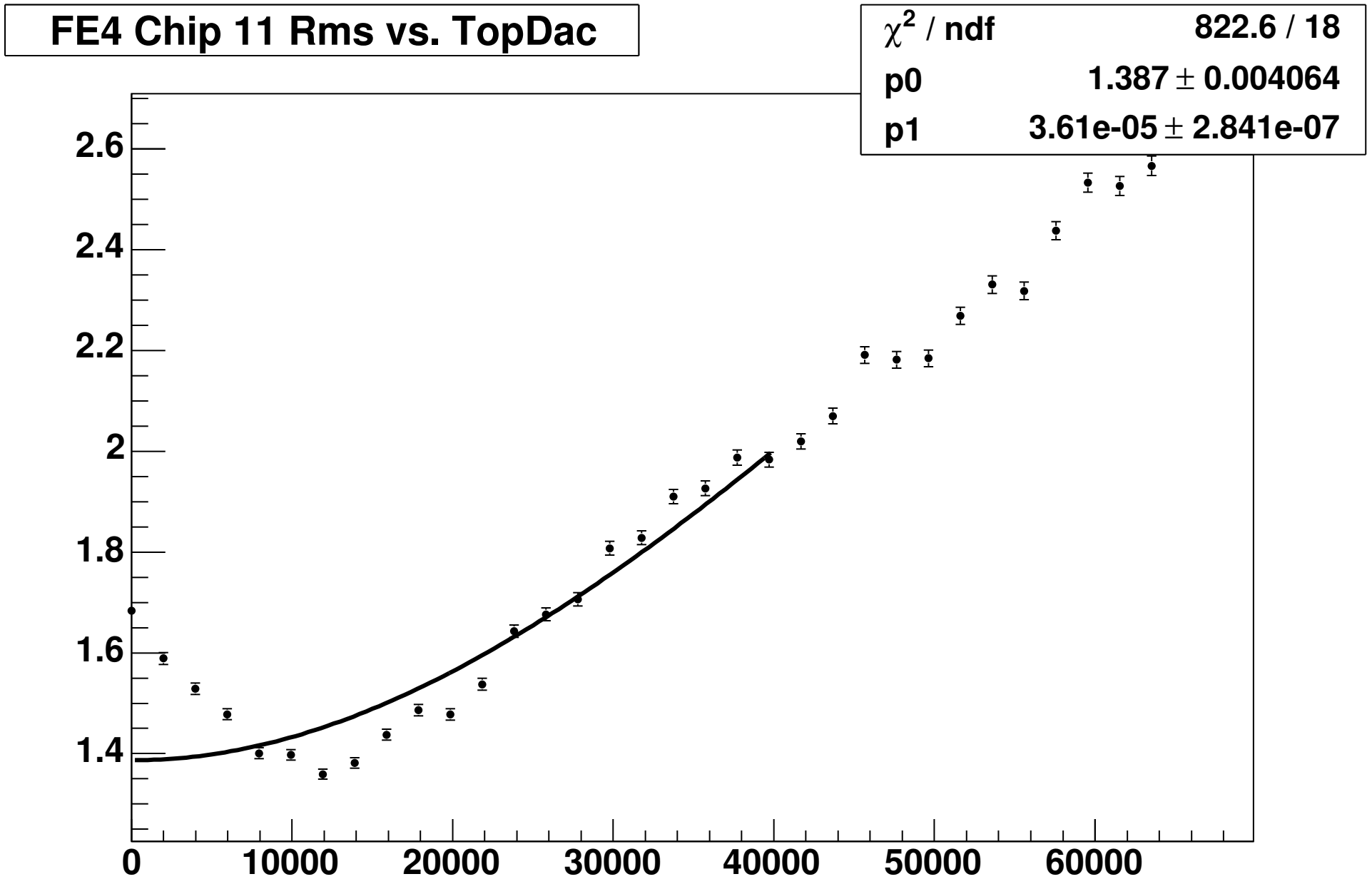
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 822.6 / 18
p0 1.387 ± 0.004064
p1 3.61e-05 ± 2.841e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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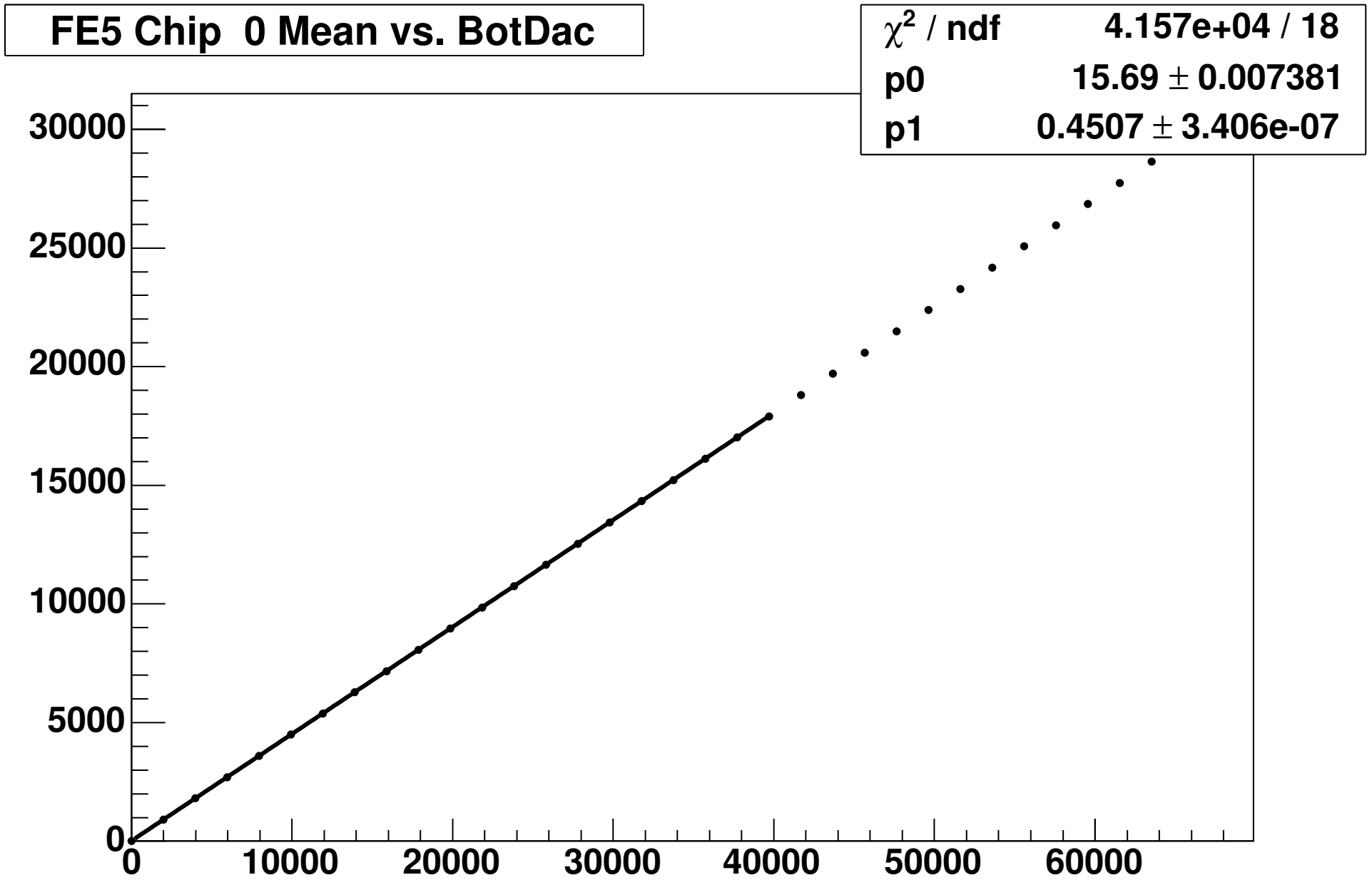
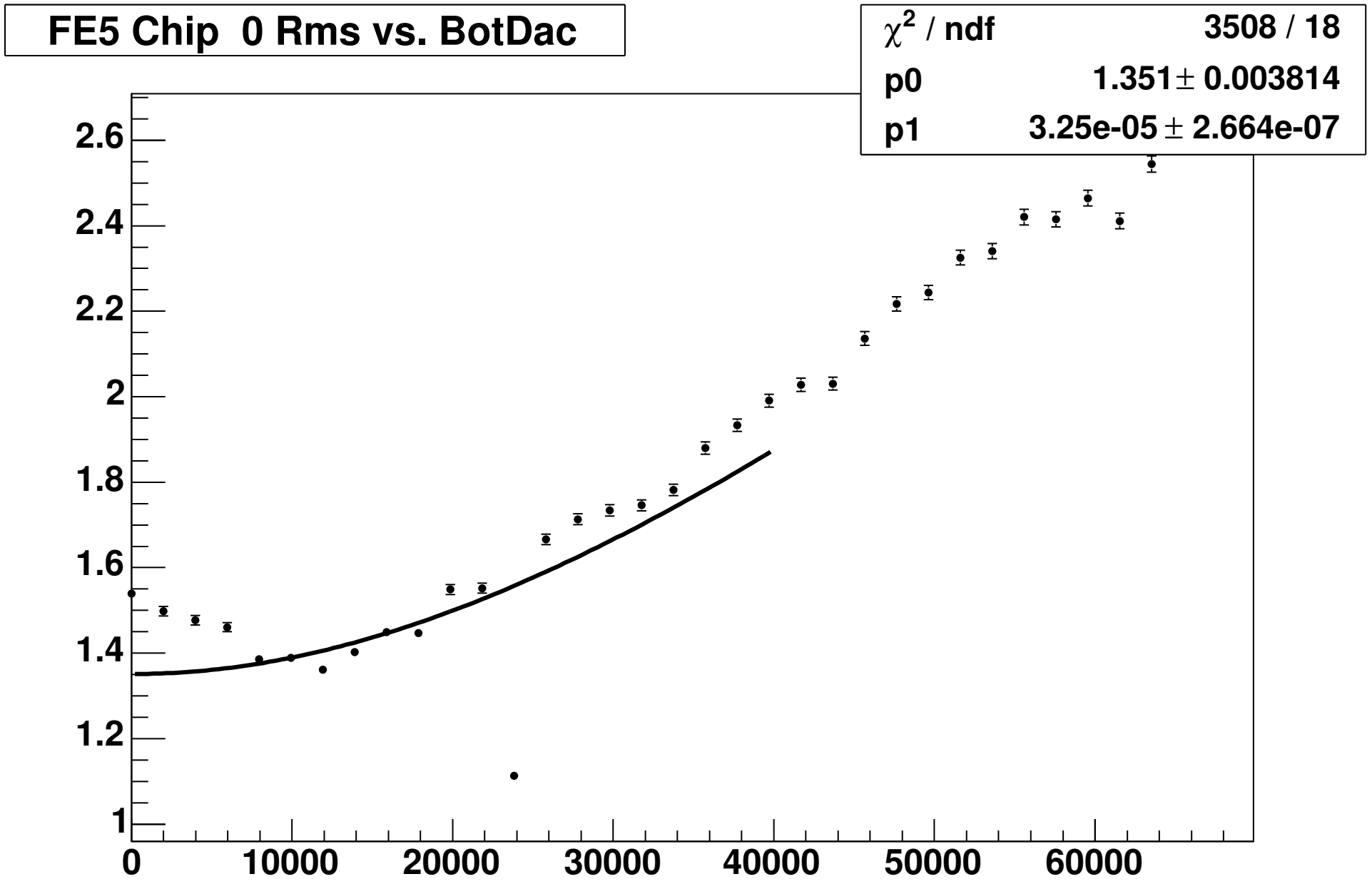
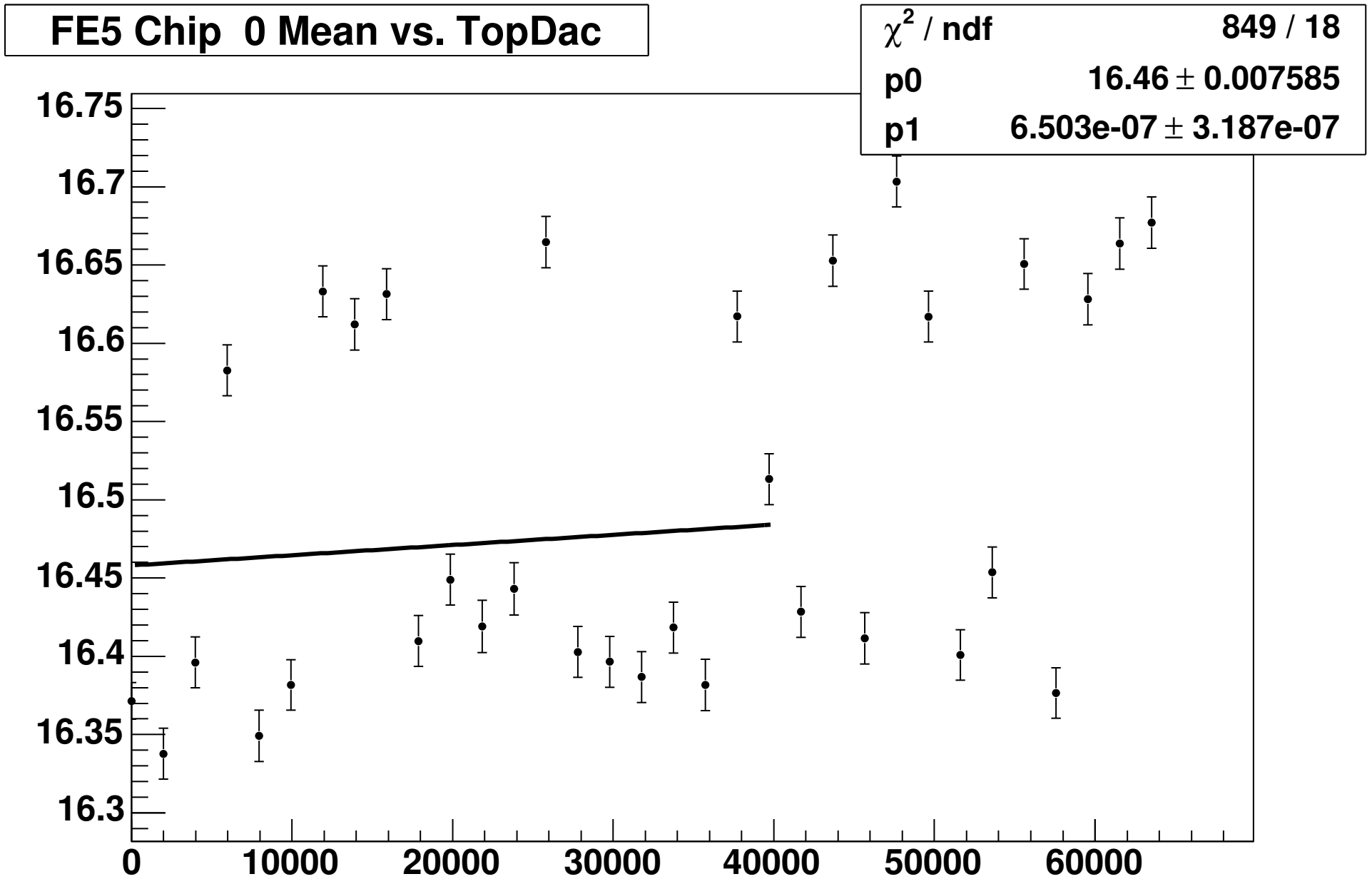
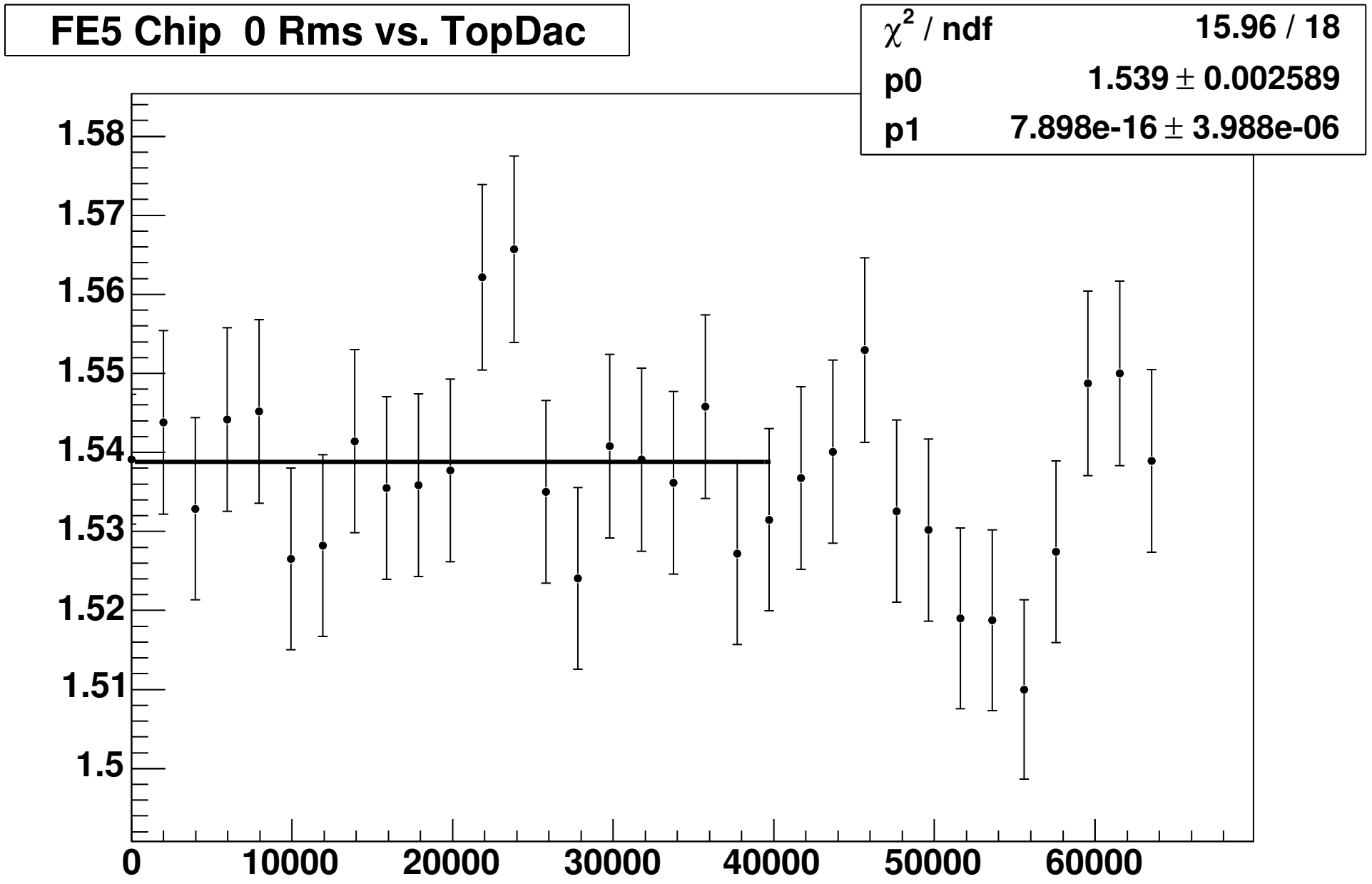
40000
50000
60000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 4.157e+04 / 18
p0 15.69 ± 0.007381
p1 0.4507 ± 3.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 3508 / 18
p0 1.351 ± 0.003814
p1 3.25e-05 ± 2.664e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 849 / 18
p0 16.46 ± 0.007585
p1 6.503e-07 ± 3.187e-07
16.75
16.7
16.65
16.6
16.55
16.5
16.45
16.4
16.35
16.3
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 15.96 / 18
p0 1.539 ± 0.002589
p1 7.898e-16 ± 3.988e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
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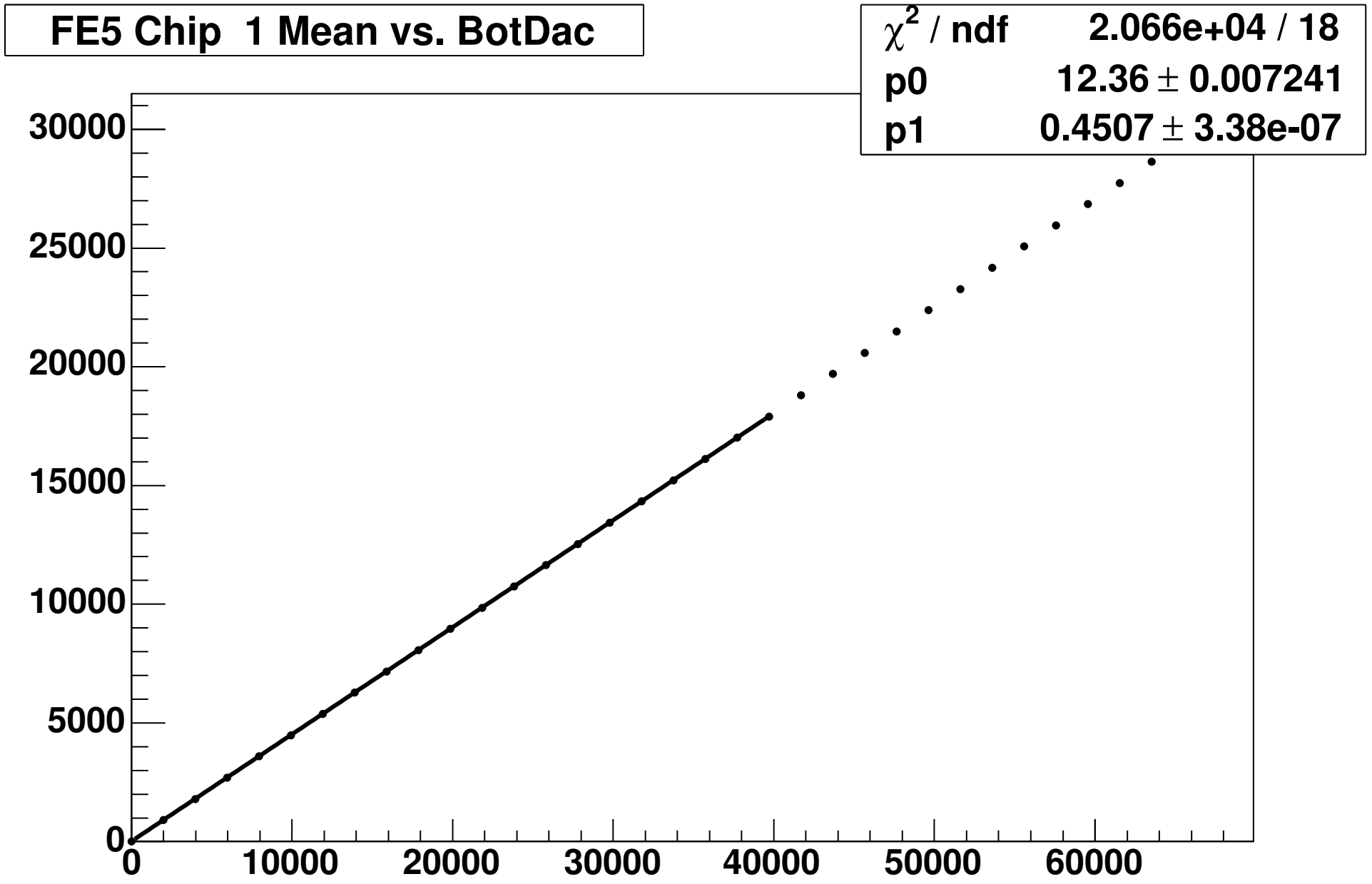
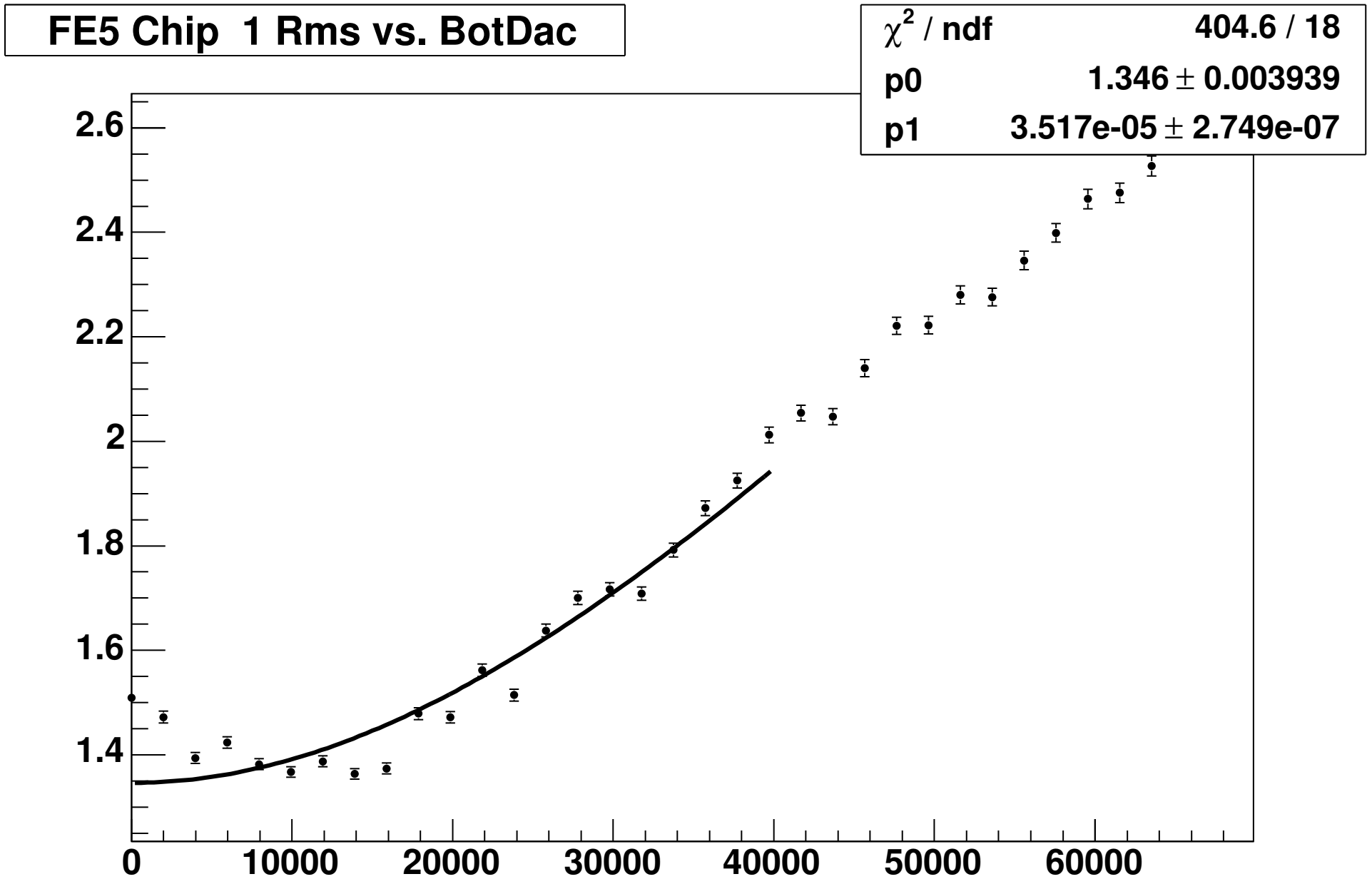
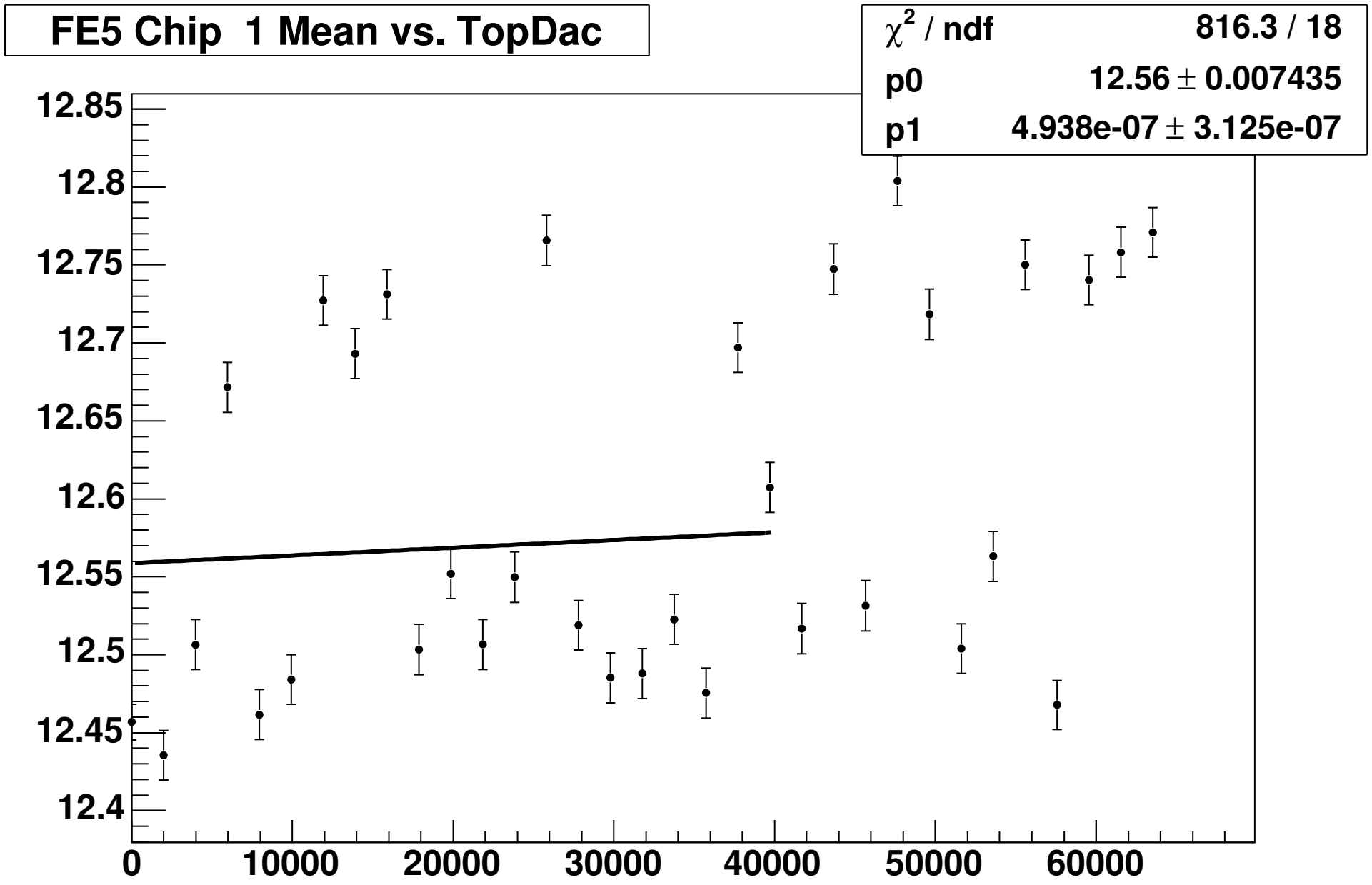
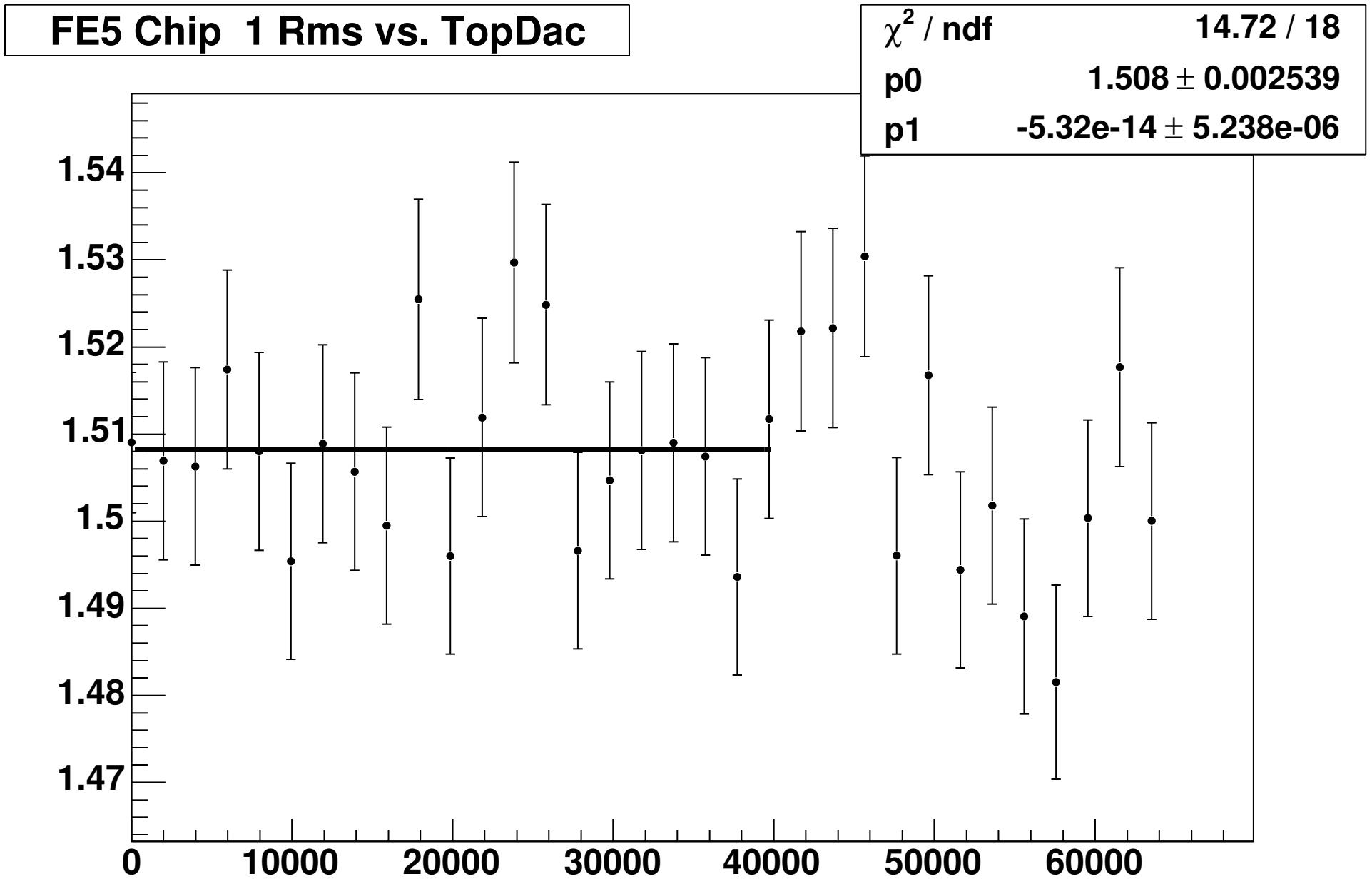
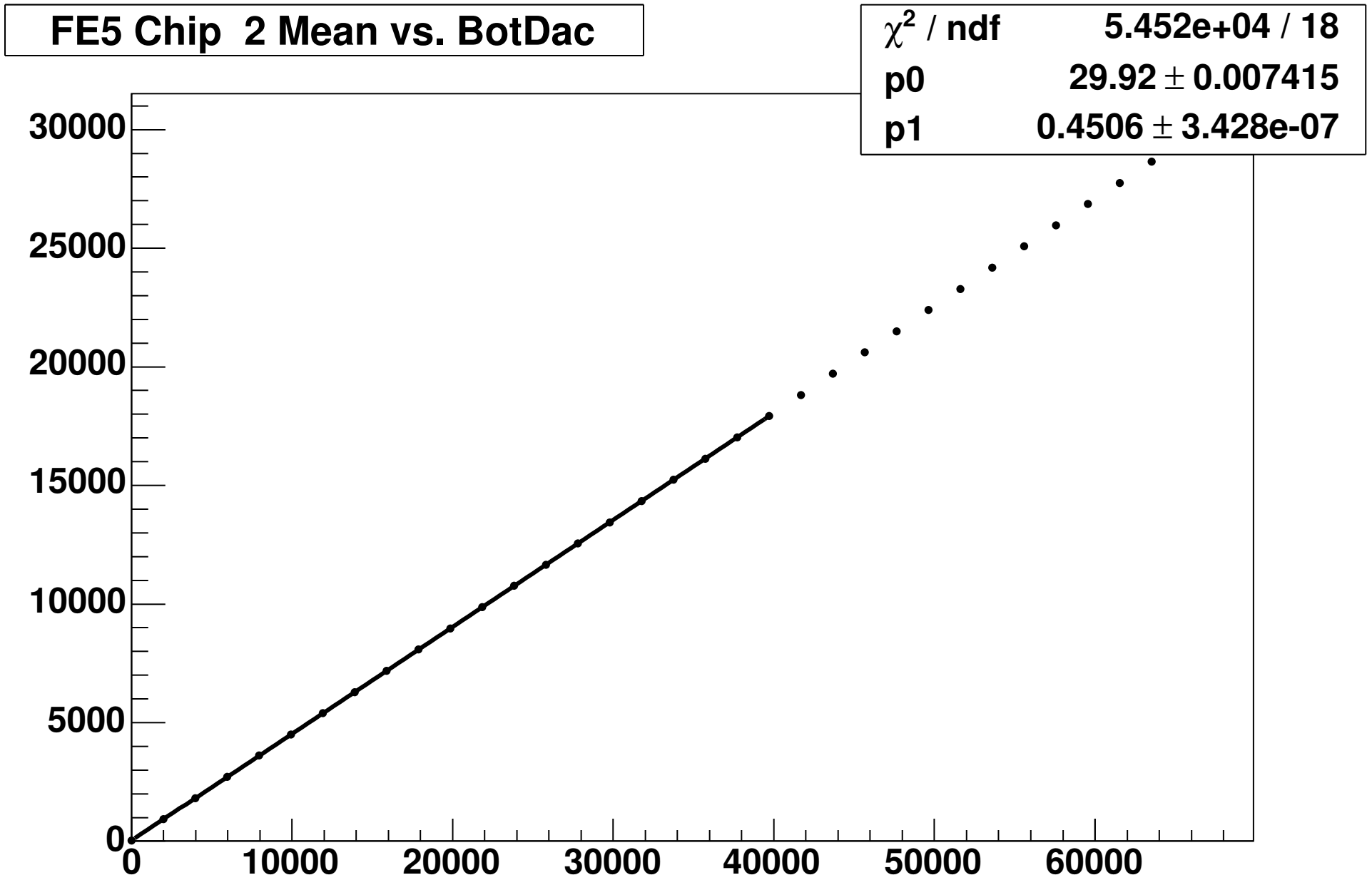
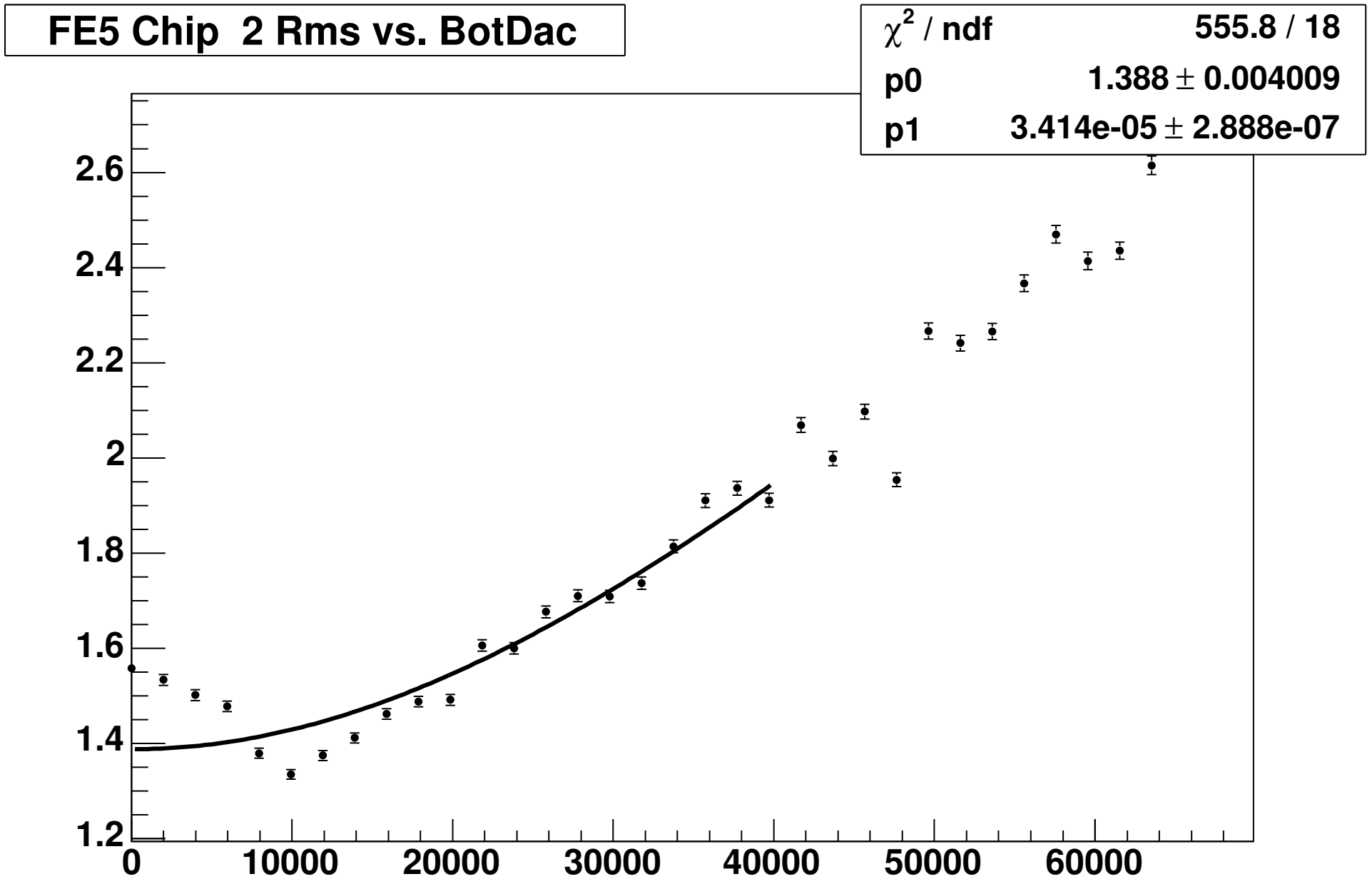

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 2.066e+04 / 18
p0 12.36 ± 0.007241
p1 0.4507 ± 3.38e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

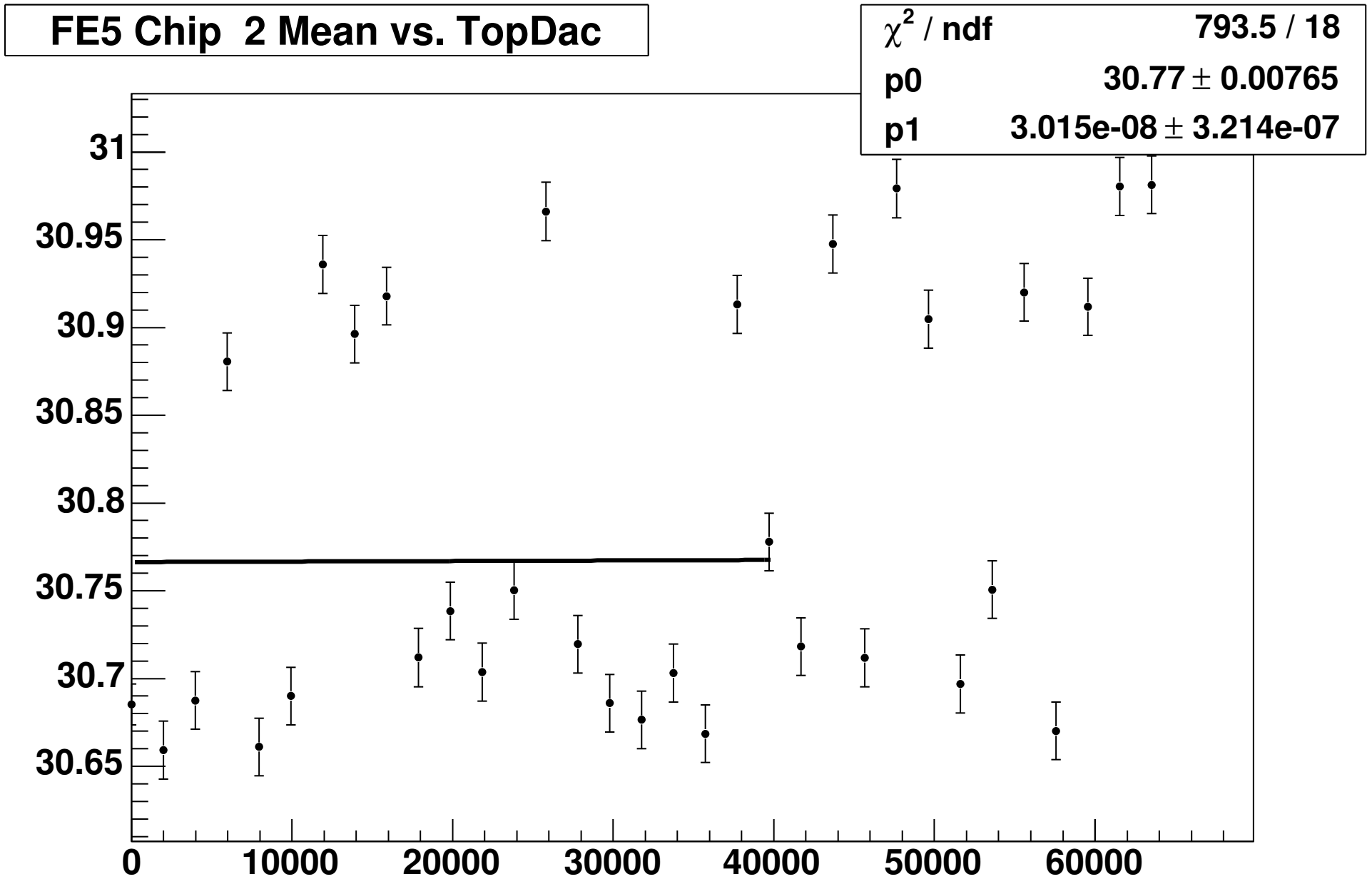

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 404.6 / 18
p0 1.346 ± 0.003939
p1 3.517e-05 ± 2.749e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

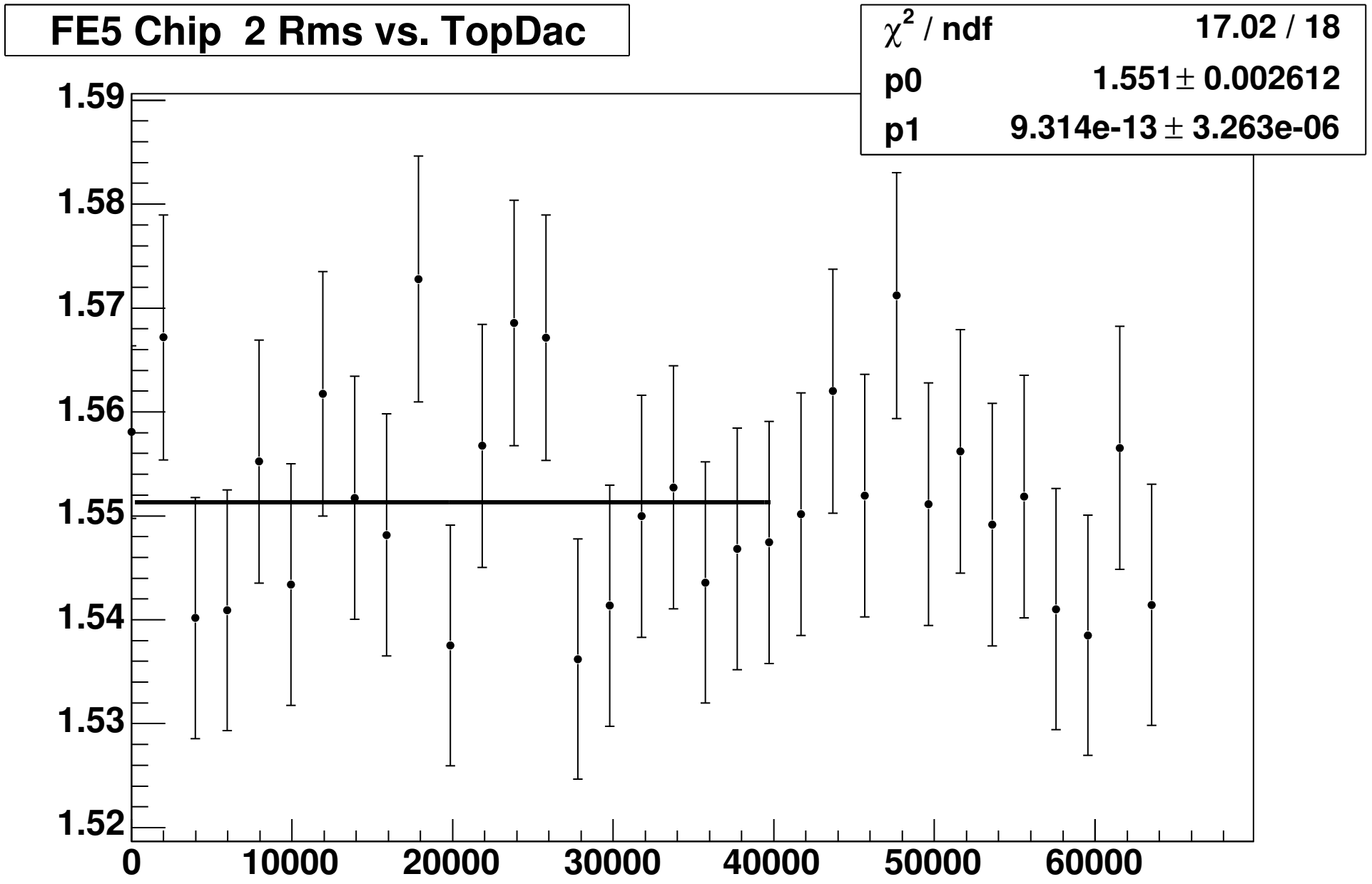

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 816.3 / 18
p0 12.56 ± 0.007435
p1 4.938e-07 ± 3.125e-07
12.85
12.8
12.75
12.7
12.65
12.6
12.55
12.5
12.45
12.4
0
10000
20000
30000
40000
50000
60000

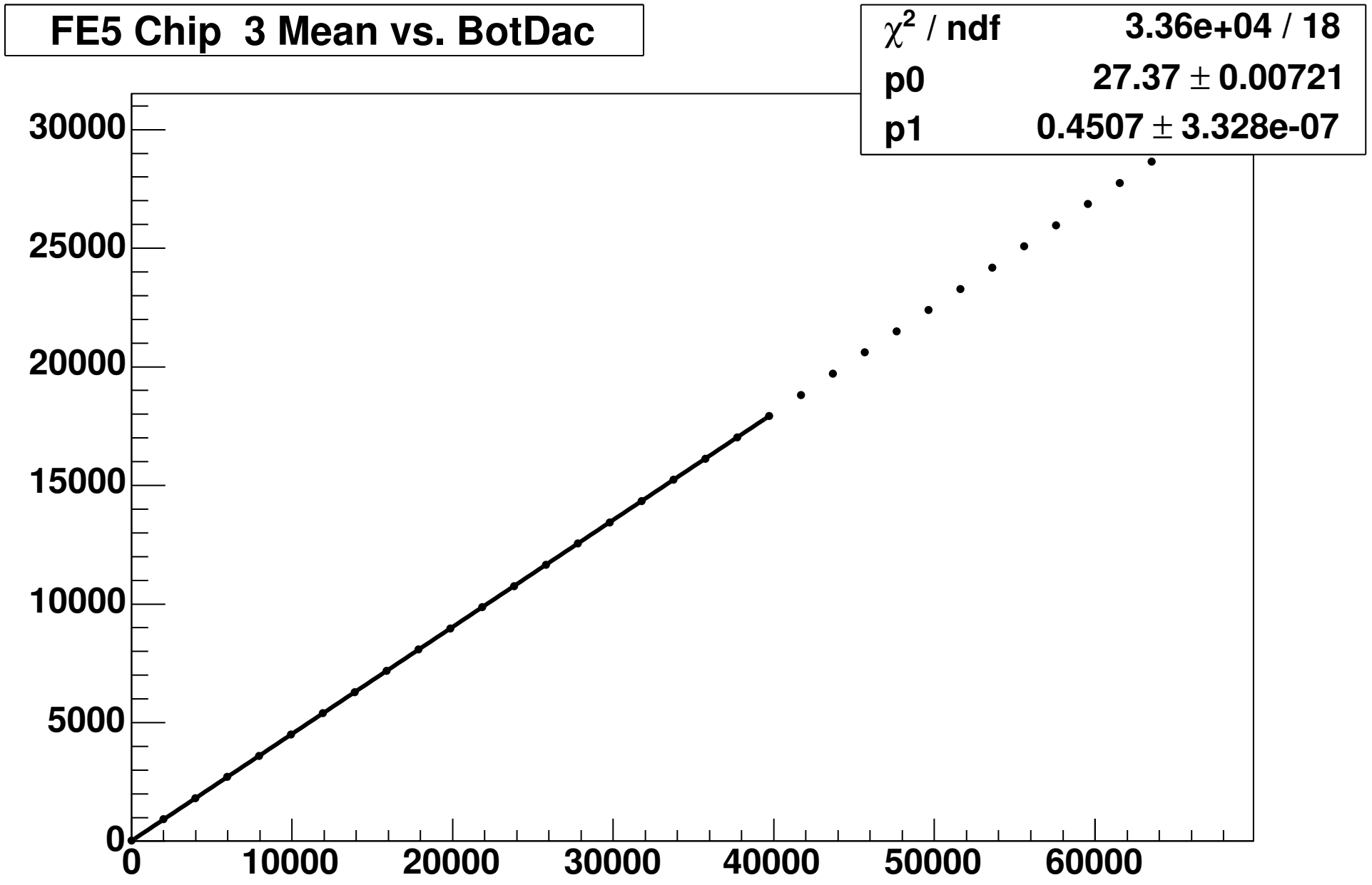

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 14.72 / 18
p0 1.508 ± 0.002539
p1 -5.32e-14 ± 5.238e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

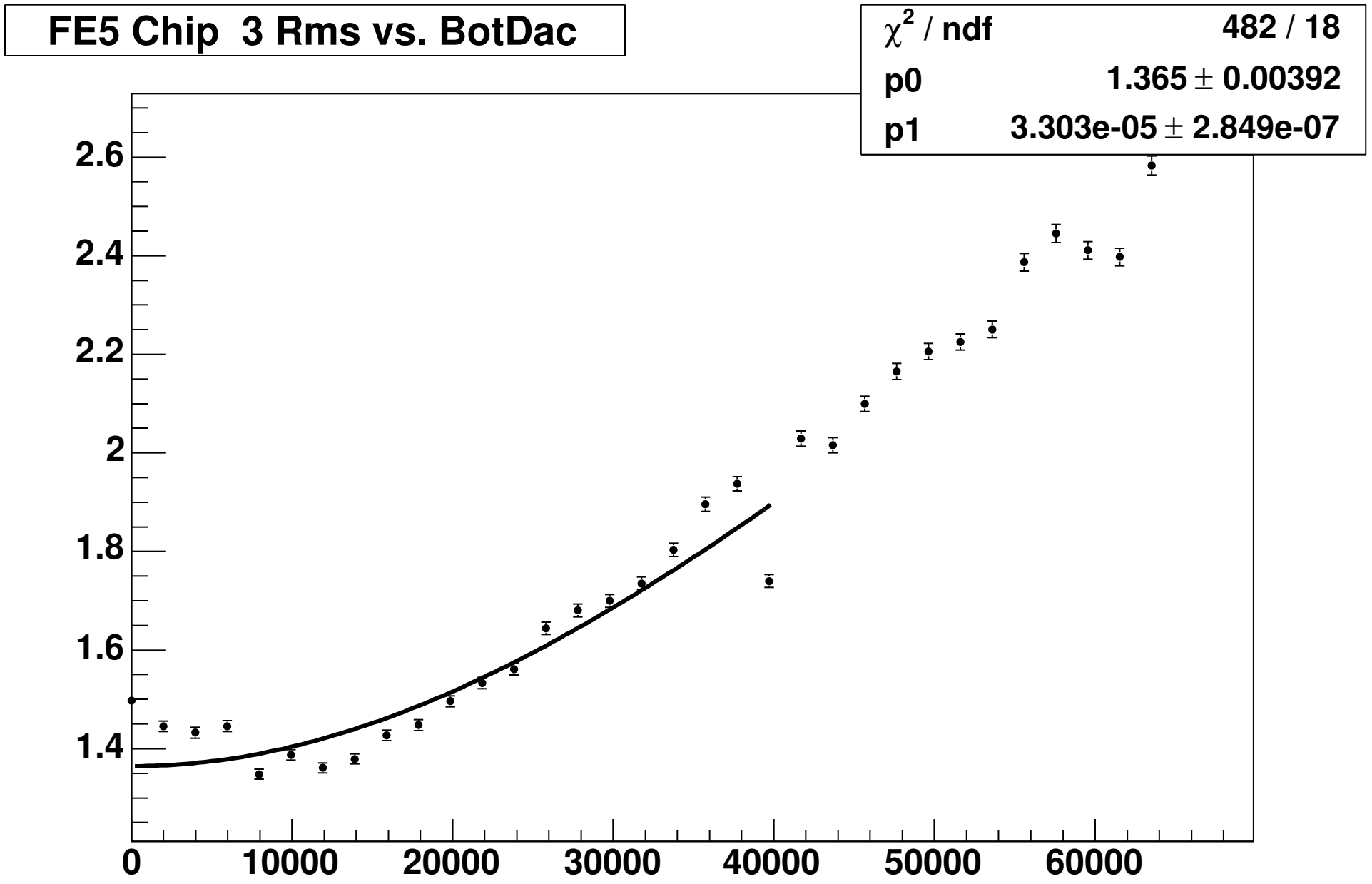

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 5.452e+04 / 18
p0 29.92 ± 0.007415
p1 0.4506 ± 3.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

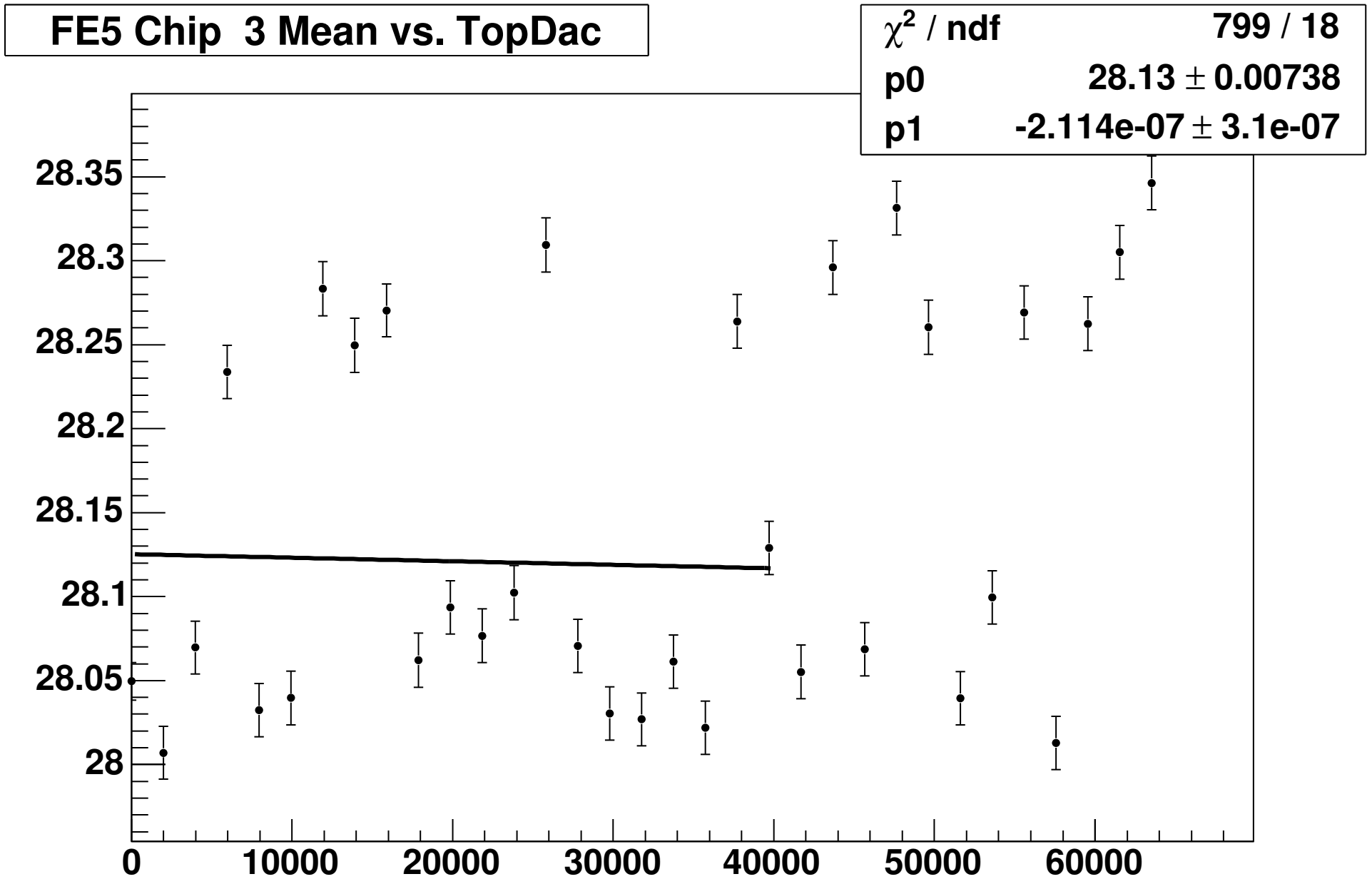

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 555.8 / 18
p0 1.388 ± 0.004009
p1 3.414e-05 ± 2.888e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

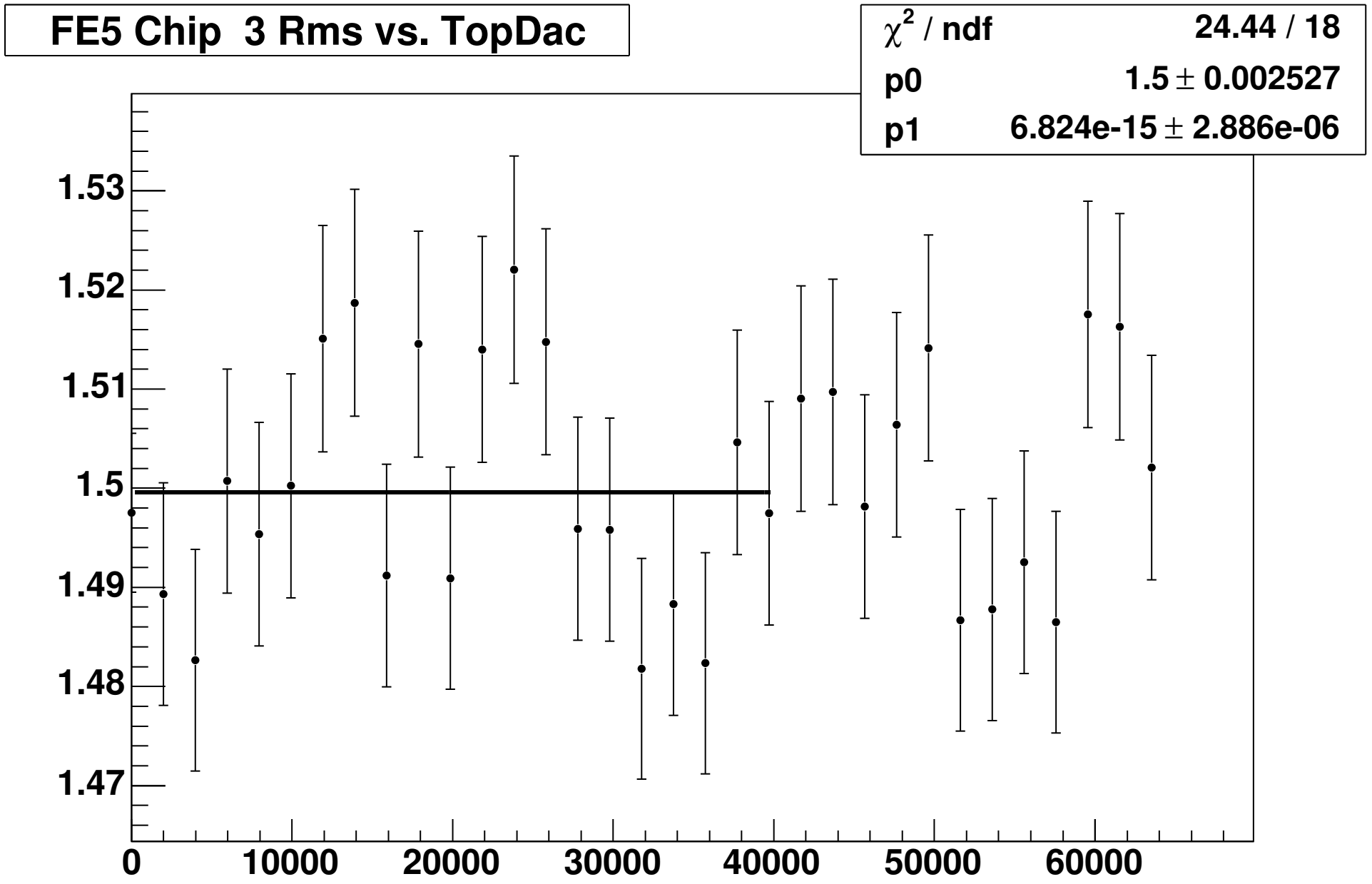

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 793.5 / 18
p0 30.77 ± 0.00765
p1 3.015e-08 ± 3.214e-07
31
30.95
30.9
30.85
30.8
30.75
30.7
30.65
0
10000
20000
30000
40000
50000
60000

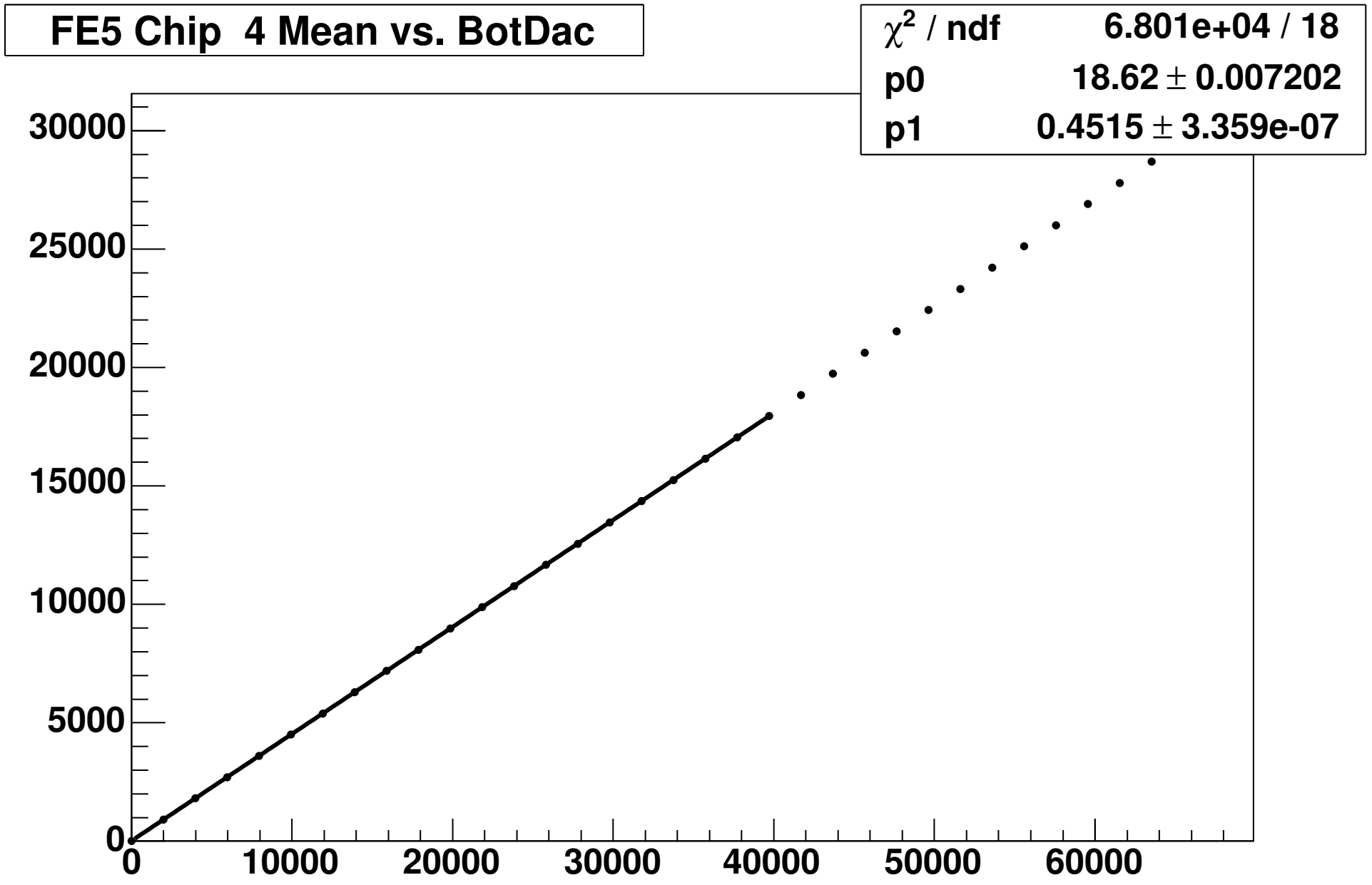

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 17.02 / 18
p0 1.551 ± 0.002612
p1 9.314e-13 ± 3.263e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000

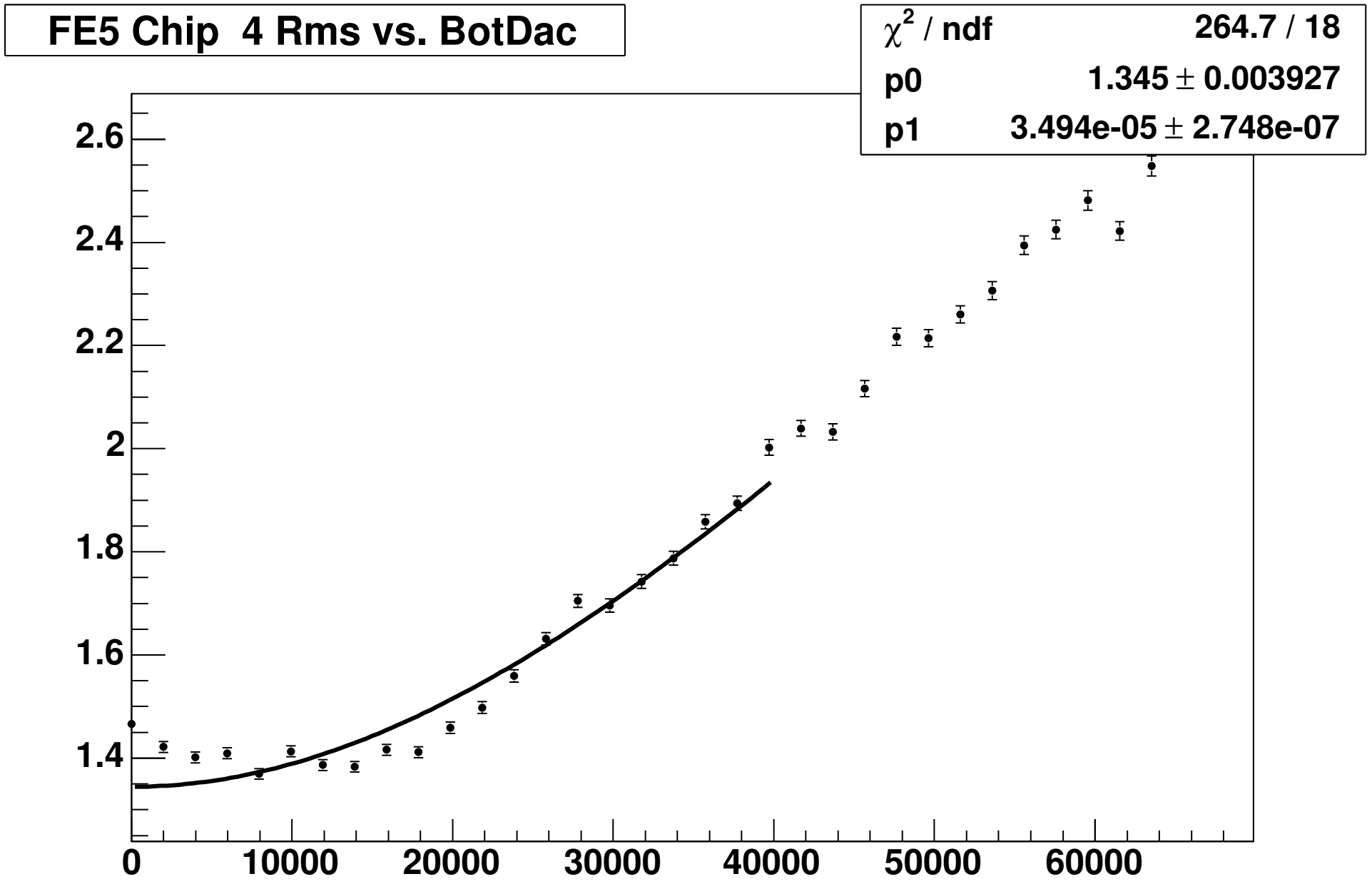

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 3.36e+04 / 18
p0 27.37 ± 0.00721
p1 0.4507 ± 3.328e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

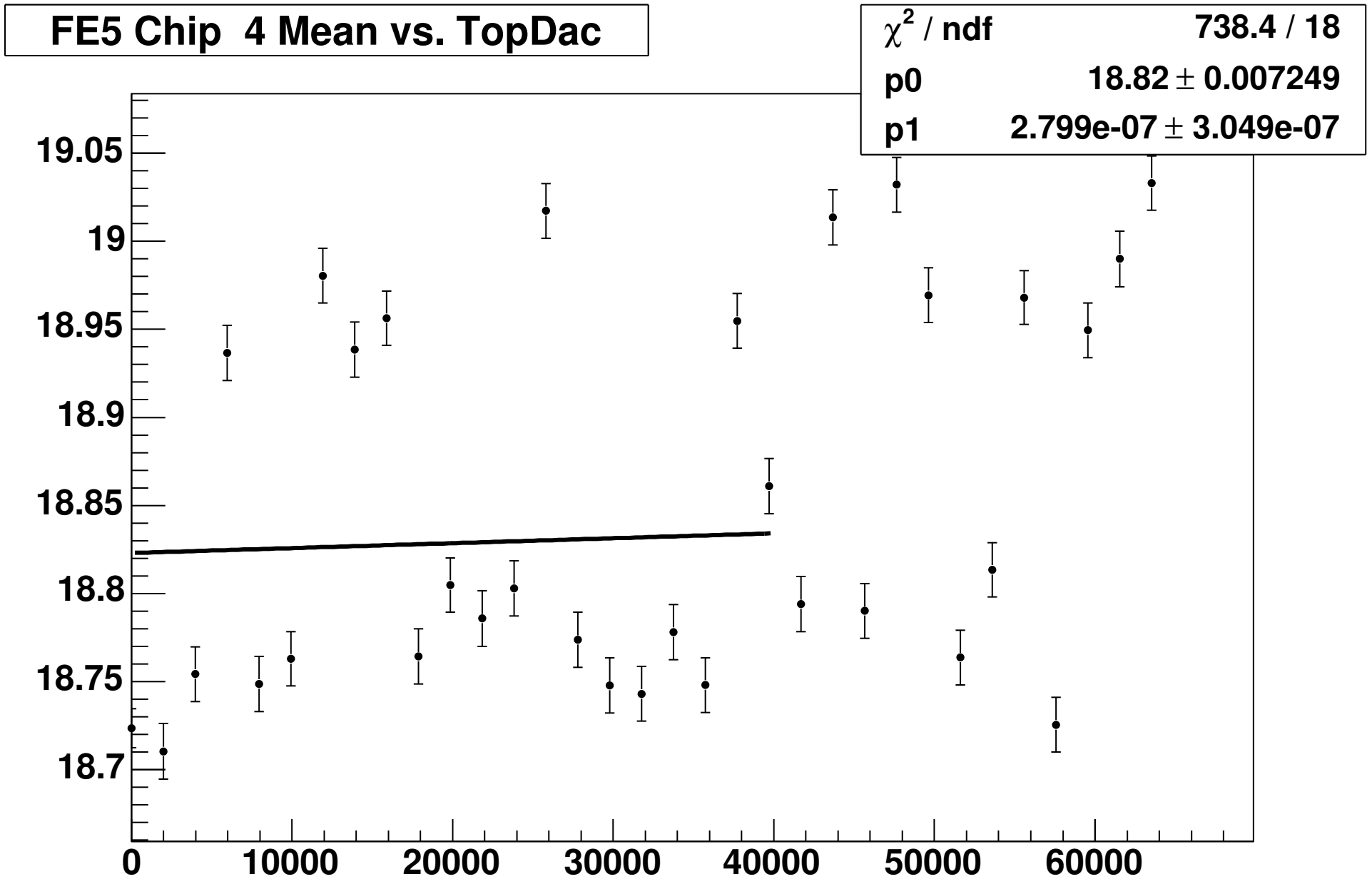

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 482 / 18
p0 1.365 ± 0.00392
p1 3.303e-05 ± 2.849e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

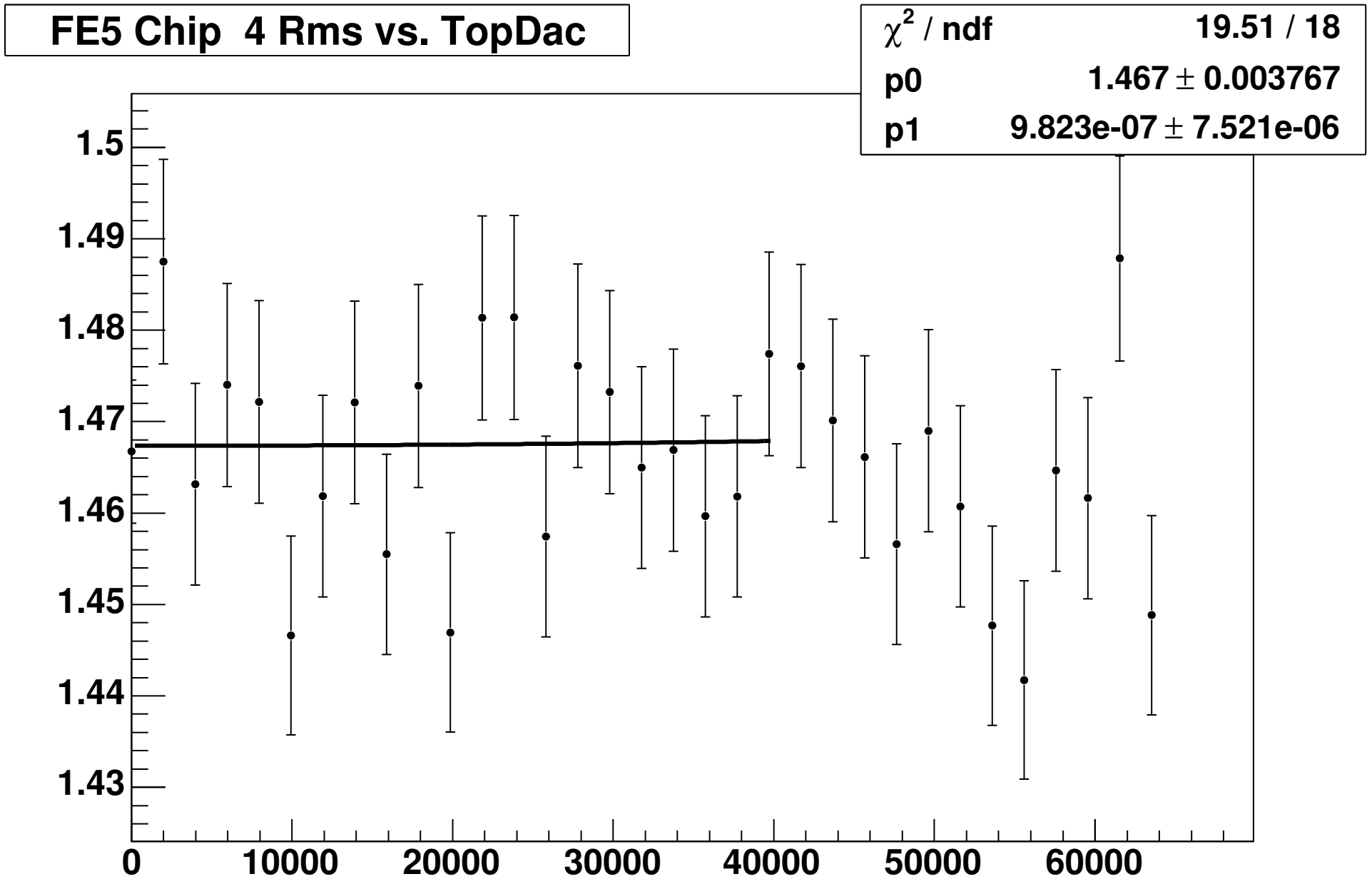

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 799 / 18
p0 28.13 ± 0.00738
p1 -2.114e-07 ± 3.1e-07
28.35
28.3
28.25
28.2
28.15
28.1
28.05
28
0
10000
20000
30000
40000
50000
60000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 24.44 / 18
p0 1.5 ± 0.002527
p1 6.824e-15 ± 2.886e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 6.801e+04 / 18
p0 18.62 ± 0.007202
p1 0.4515 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 264.7 / 18
p0 1.345 ± 0.003927
p1 3.494e-05 ± 2.748e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 738.4 / 18
p0 18.82 ± 0.007249
p1 2.799e-07 ± 3.049e-07
19.05
19
18.95
18.9
18.85
18.8
18.75
18.7
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 19.51 / 18
p0 1.467 ± 0.003767
p1 9.823e-07 ± 7.521e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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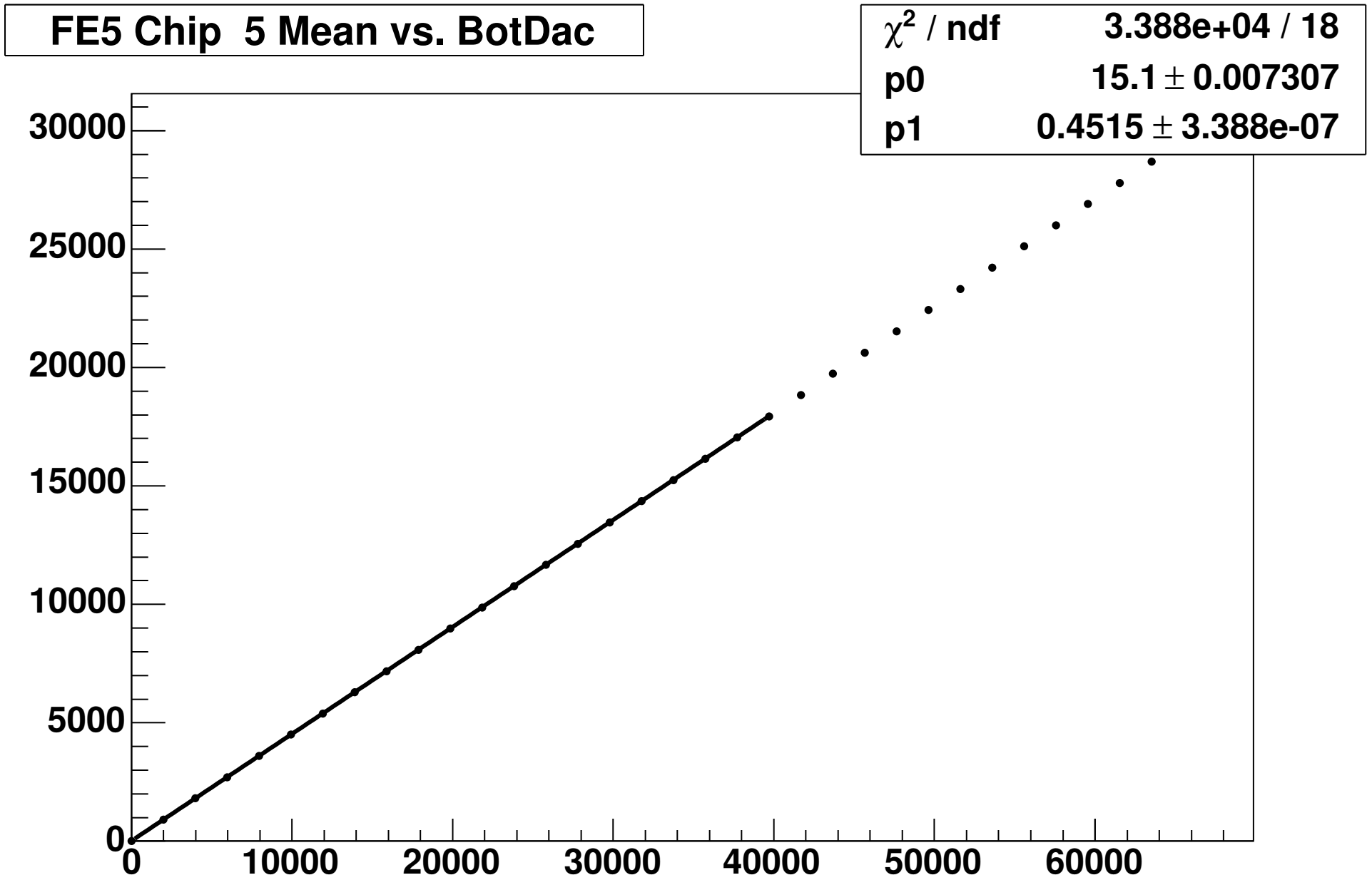
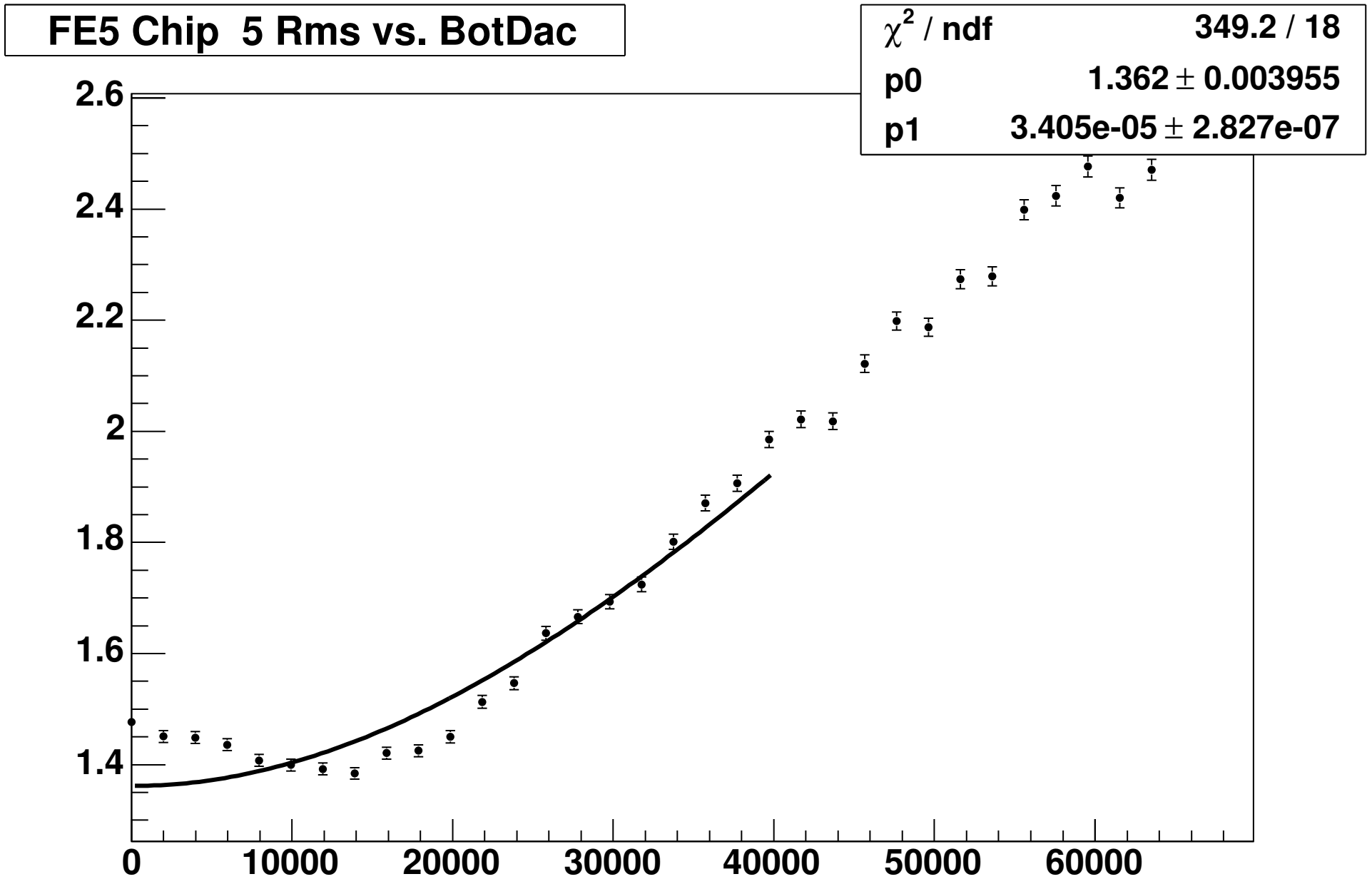
30000
40000
50000
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 3.388e+04 / 18
p0 15.1 ± 0.007307
p1 0.4515 ± 3.388e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 349.2 / 18
p0 1.362 ± 0.003955
p1 3.405e-05 ± 2.827e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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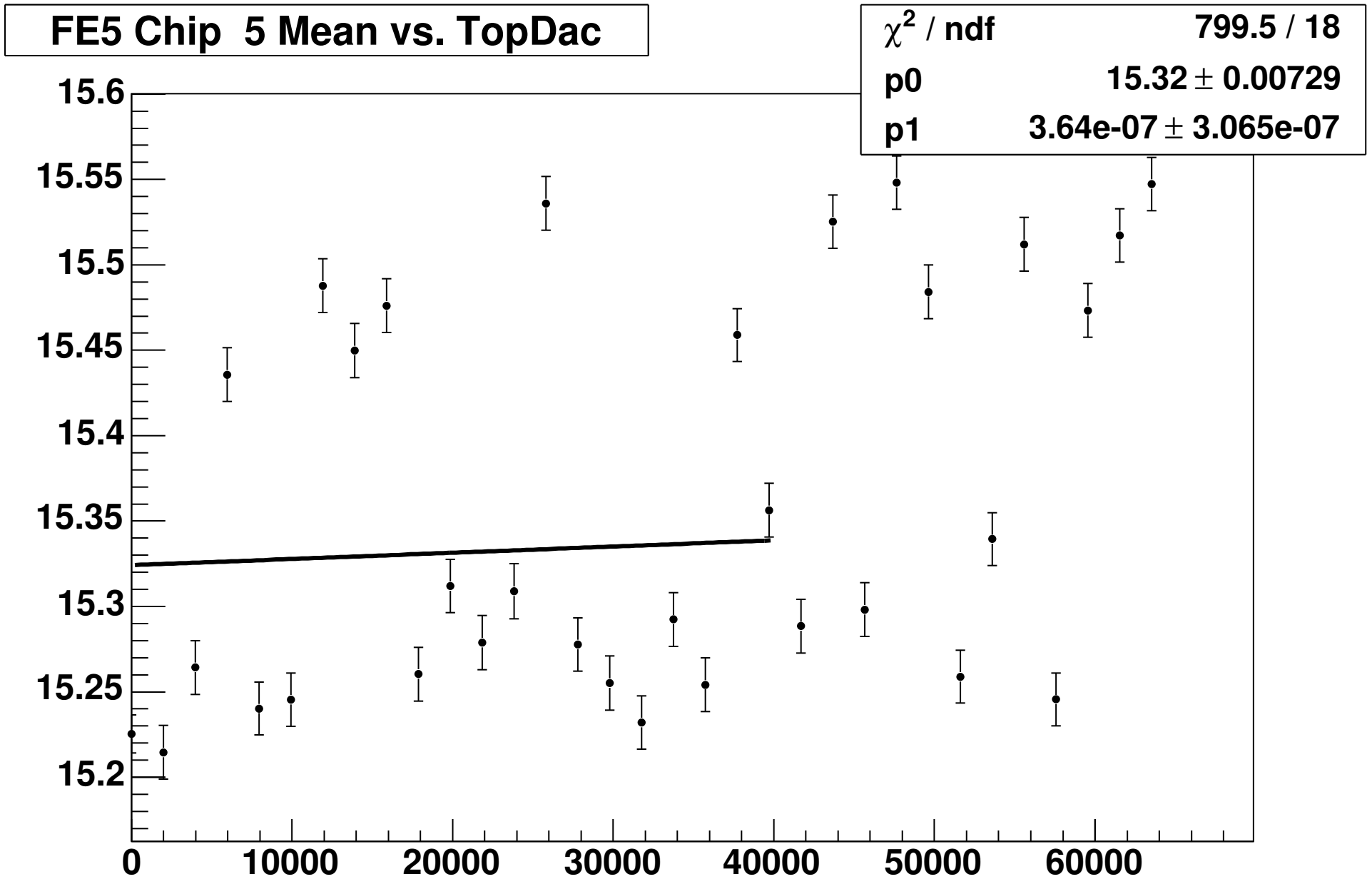
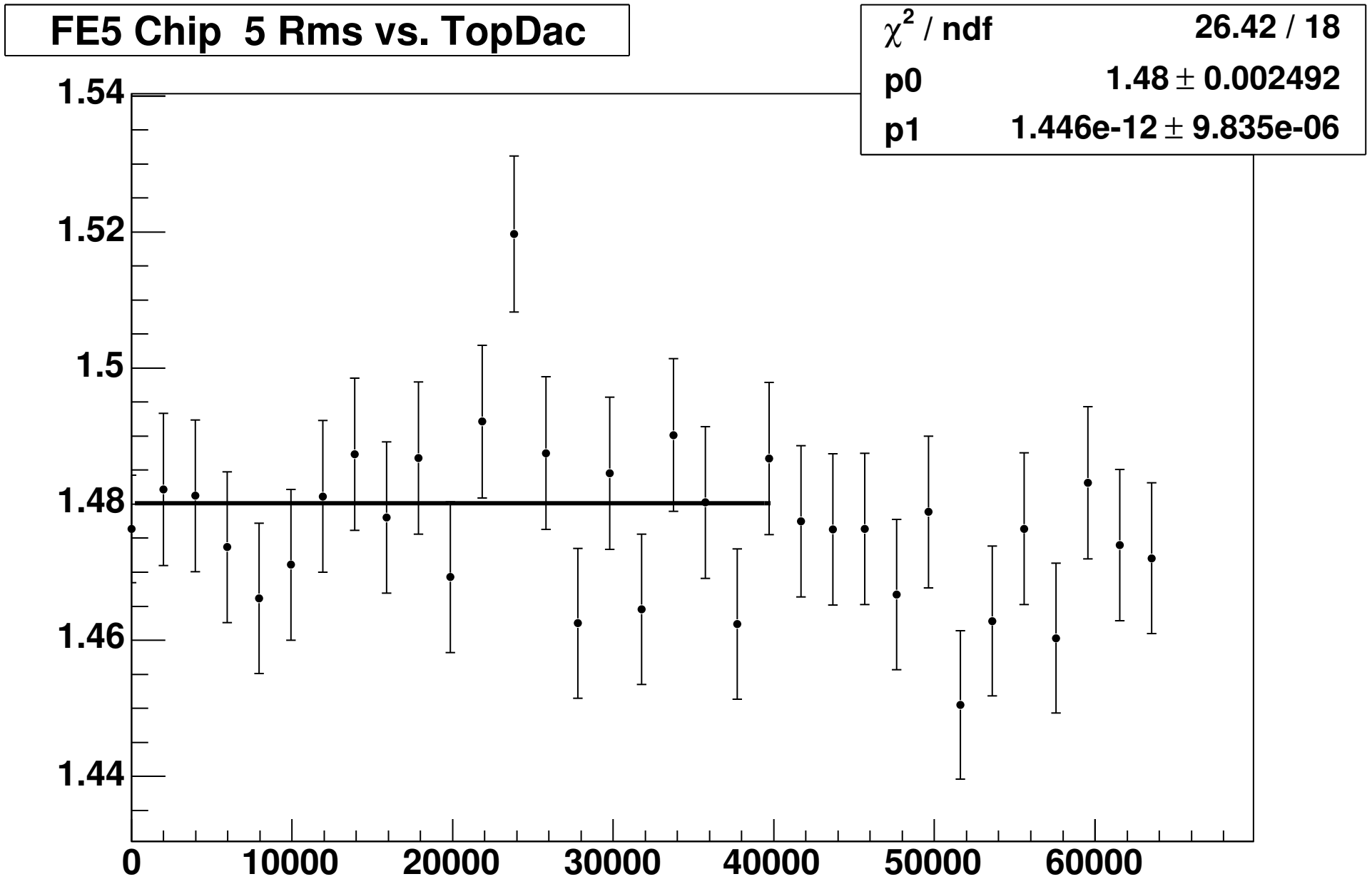
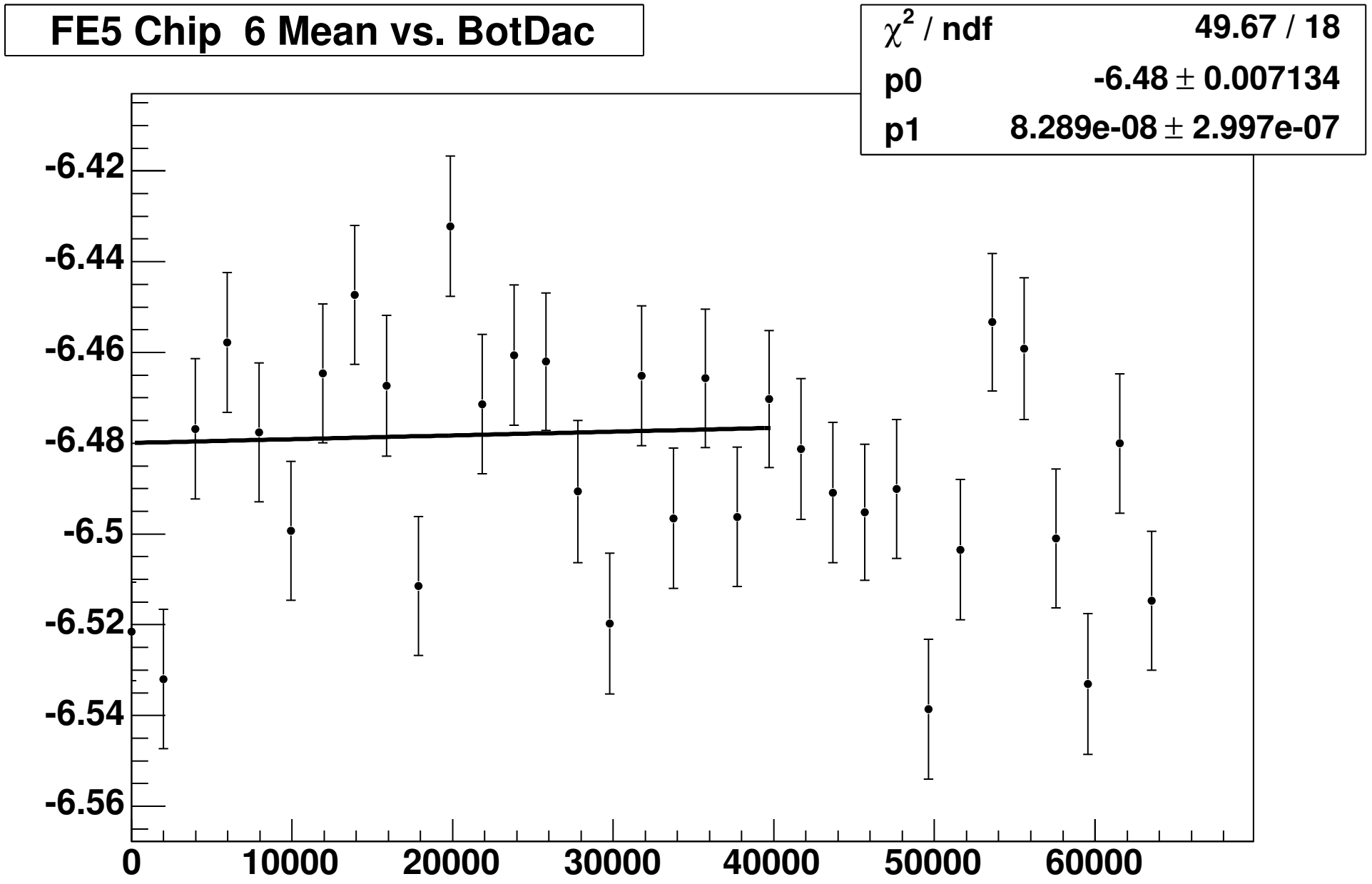
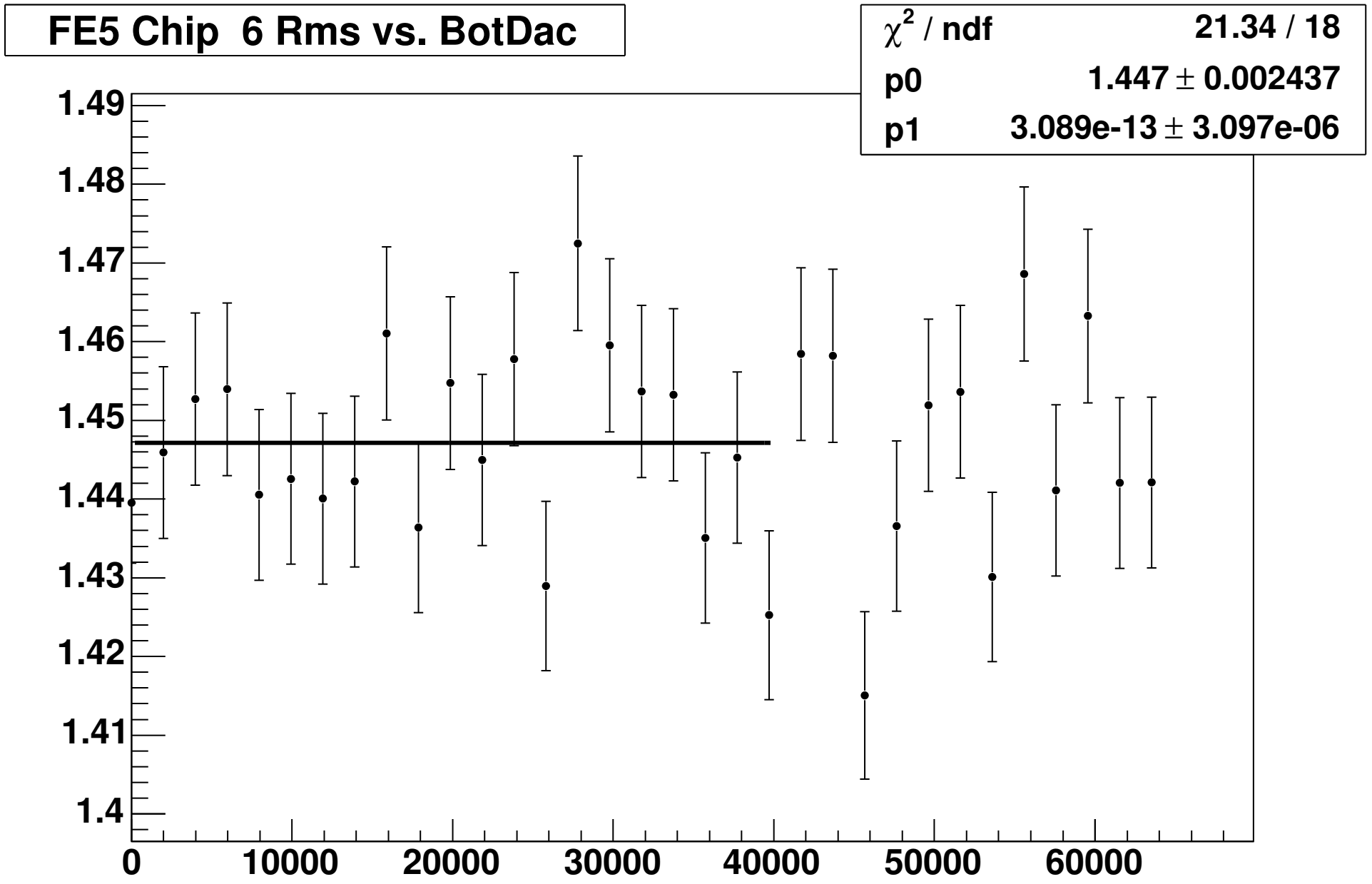
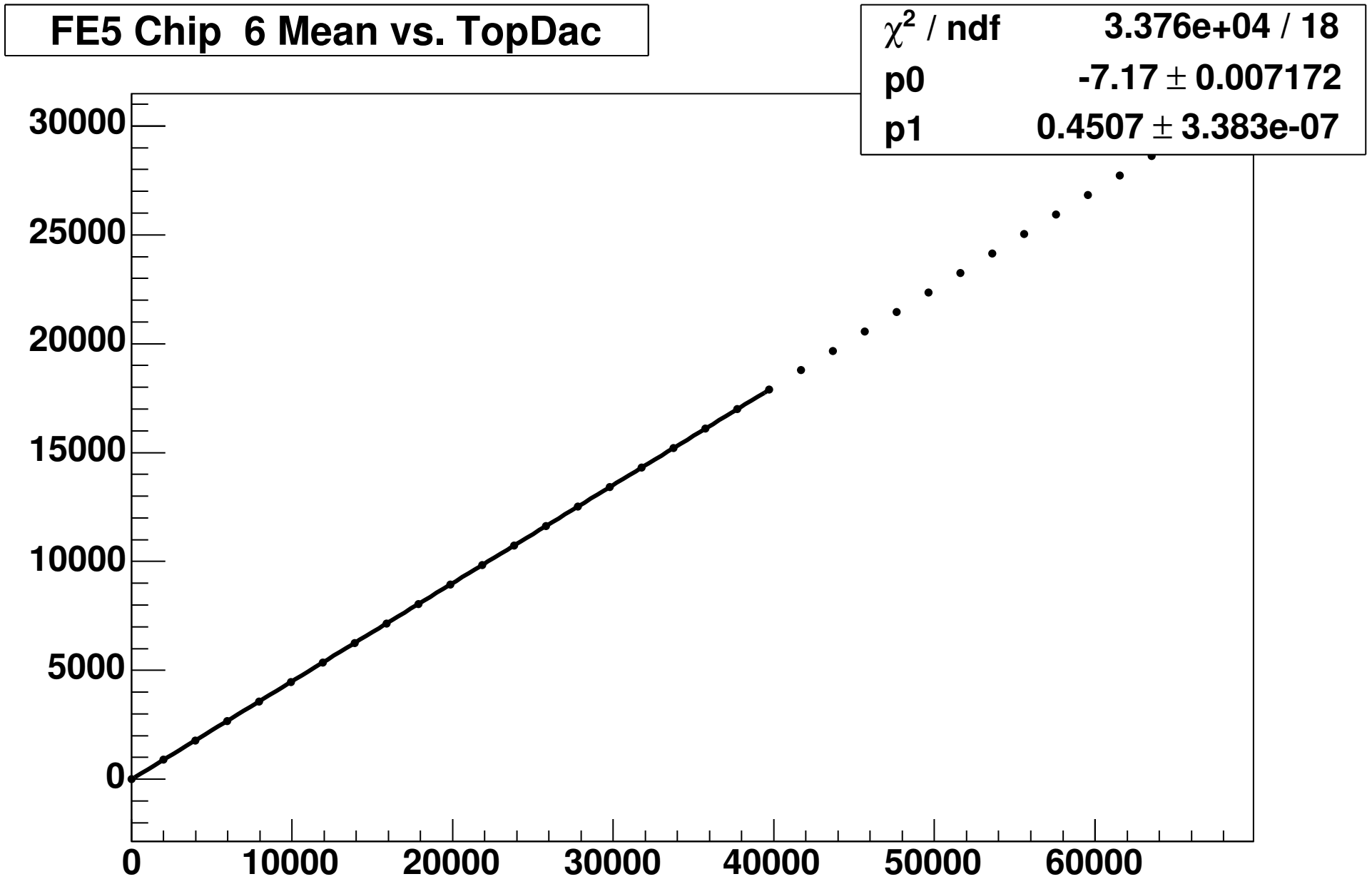
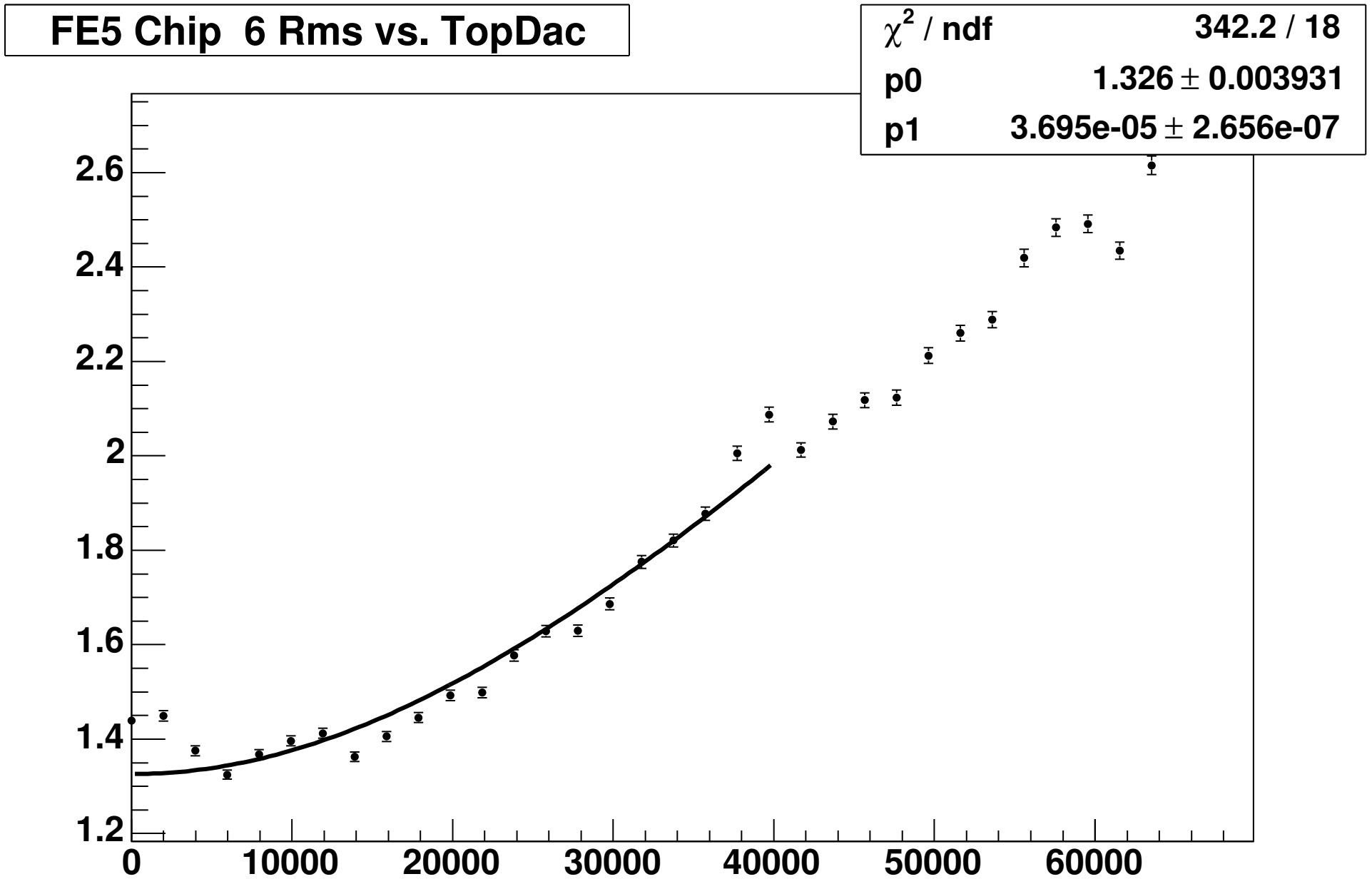

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 799.5 / 18
p0 15.32 ± 0.00729
p1 3.64e-07 ± 3.065e-07
15.6
15.55
15.5
15.45
15.4
15.35
15.3
15.25
15.2
0
10000
20000
30000
40000
50000
60000

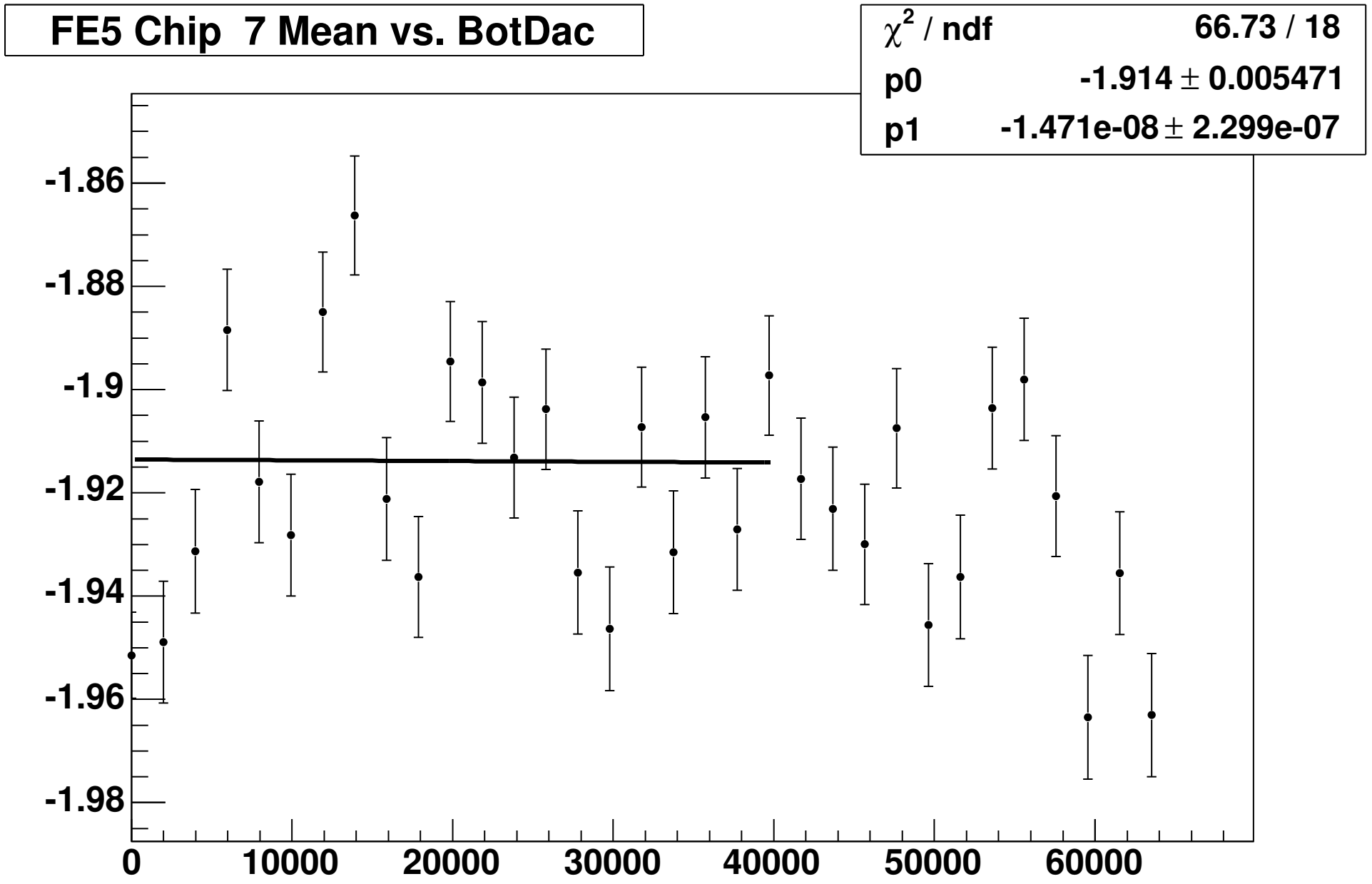

FE5 Chip 5 Rms vs. TopDac
χ² / ndf 26.42 / 18
p0 1.48 ± 0.002492
p1 1.446e-12 ± 9.835e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

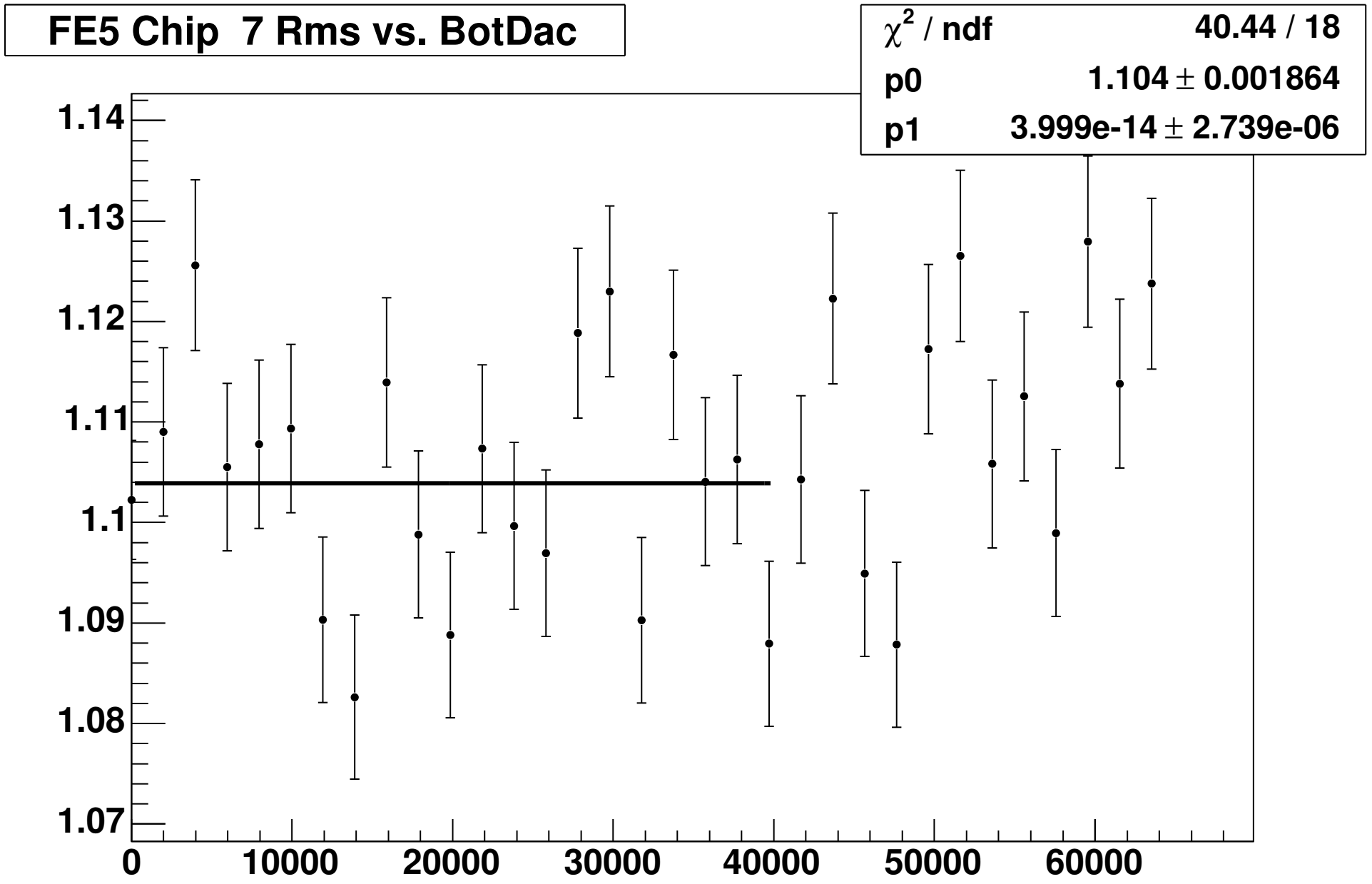

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 49.67 / 18
p0 -6.48 ± 0.007134
p1 8.289e-08 ± 2.997e-07
-6.42
-6.44
-6.46
-6.48
-6.5
-6.52
-6.54
-6.56
0
10000
20000
30000
40000
50000
60000

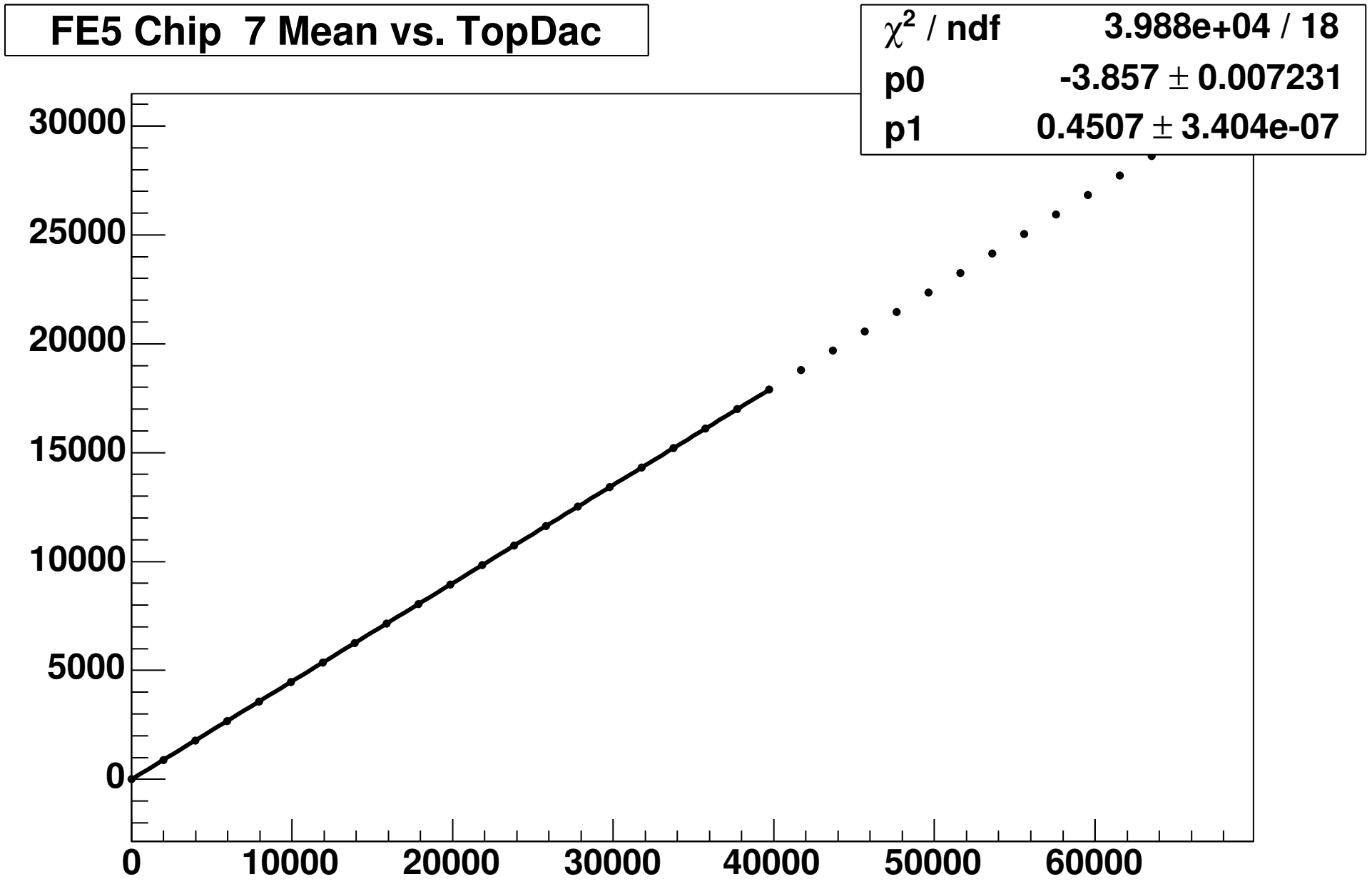

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 21.34 / 18
p0 1.447 ± 0.002437
p1 3.089e-13 ± 3.097e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

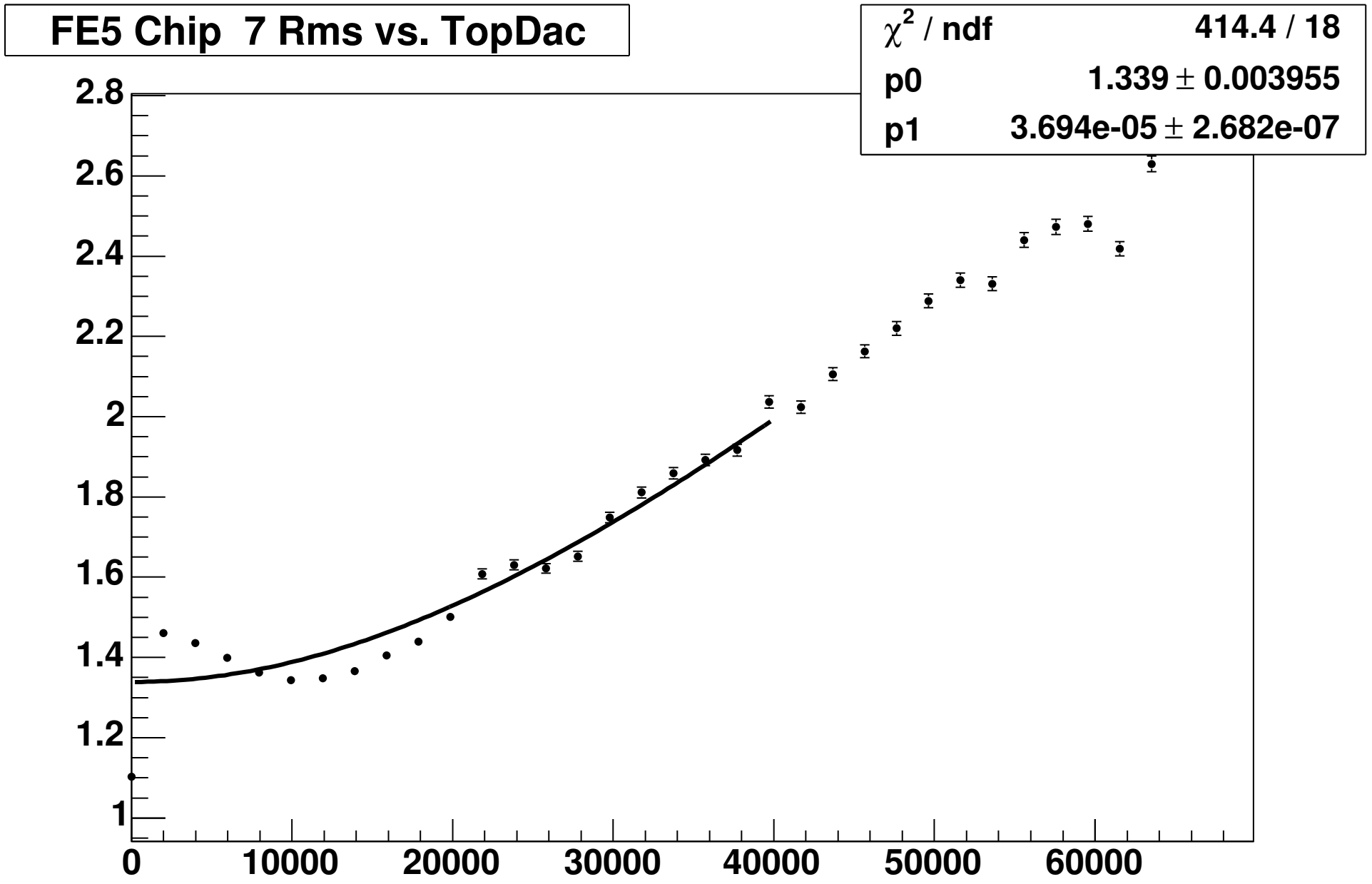

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 3.376e+04 / 18
p0 -7.17 ± 0.007172
p1 0.4507 ± 3.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

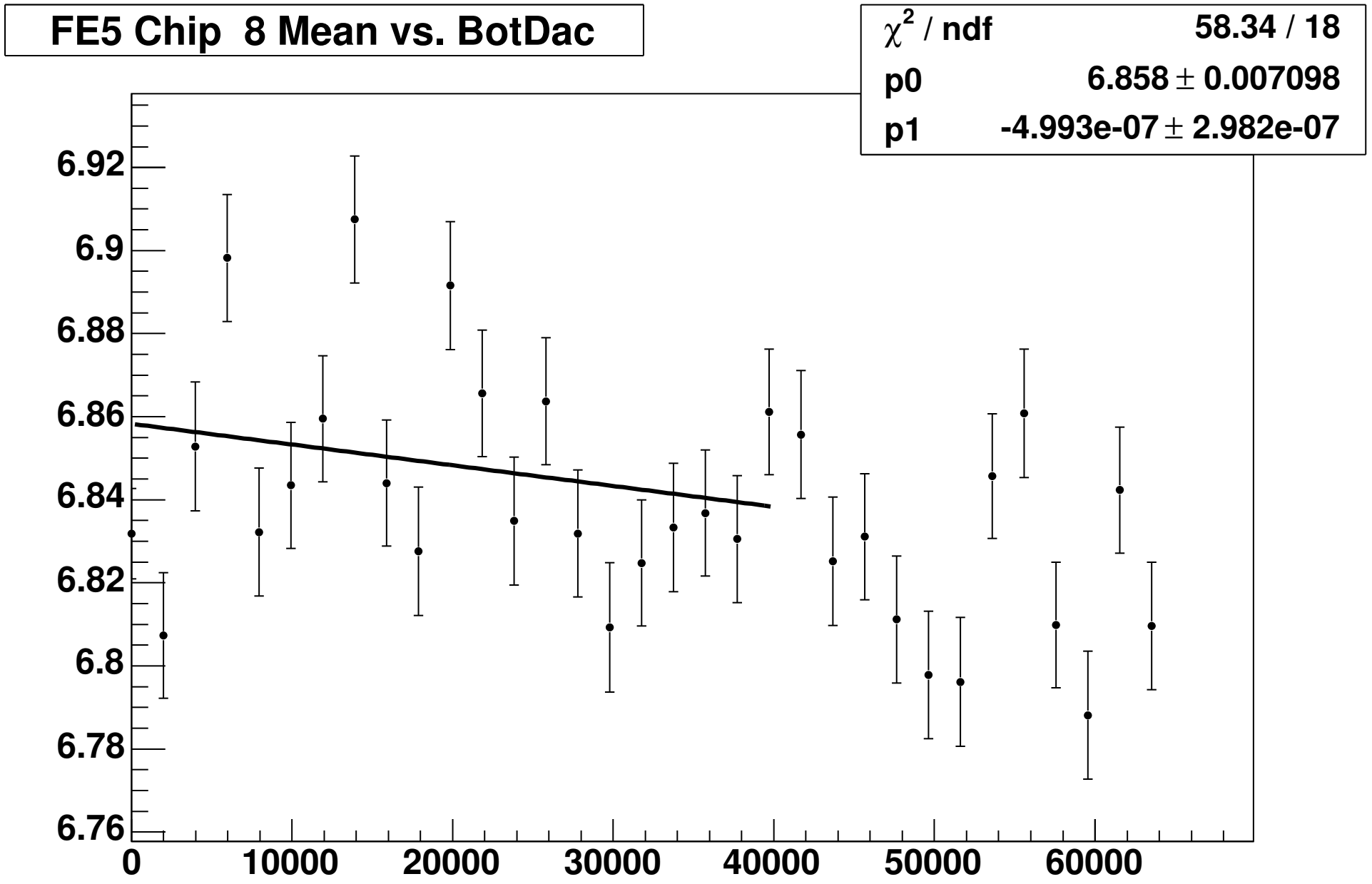

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 342.2 / 18
p0 1.326 ± 0.003931
p1 3.695e-05 ± 2.656e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

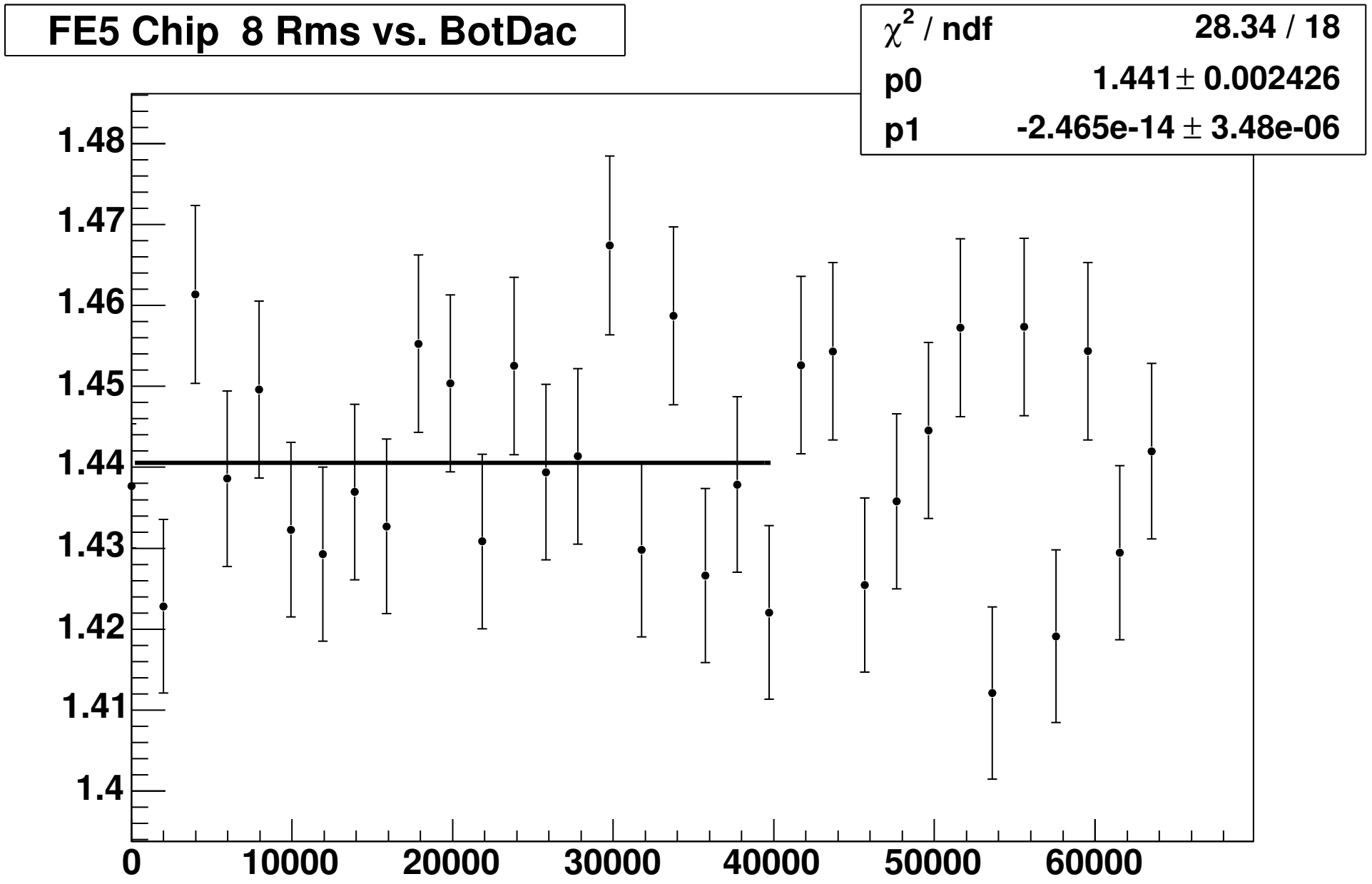

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 66.73 / 18
p0 -1.914 ± 0.005471
p1 -1.471e-08 ± 2.299e-07
-1.86
-1.88
-1.9
-1.92
-1.94
-1.96
-1.98
0
10000
20000
30000
40000
50000
60000

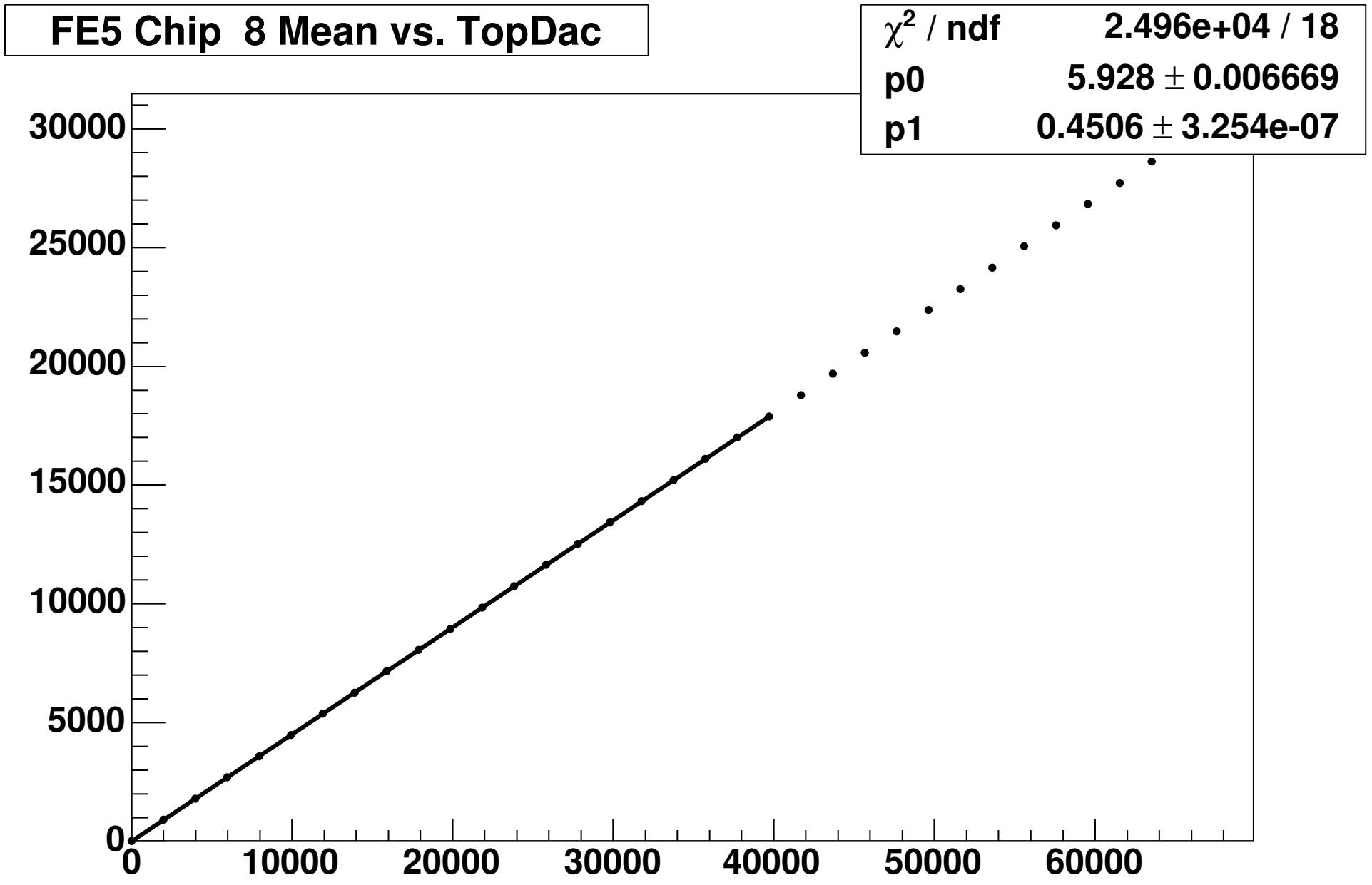

FE5 Chip 7 Rms vs. BotDac
χ² / ndf 40.44 / 18
p0 1.104 ± 0.001864
p1 3.999e-14 ± 2.739e-06
1.14
1.13
1.12
1.11
1.1
1.09
1.08
1.07
0
10000
20000
30000
40000
50000
60000

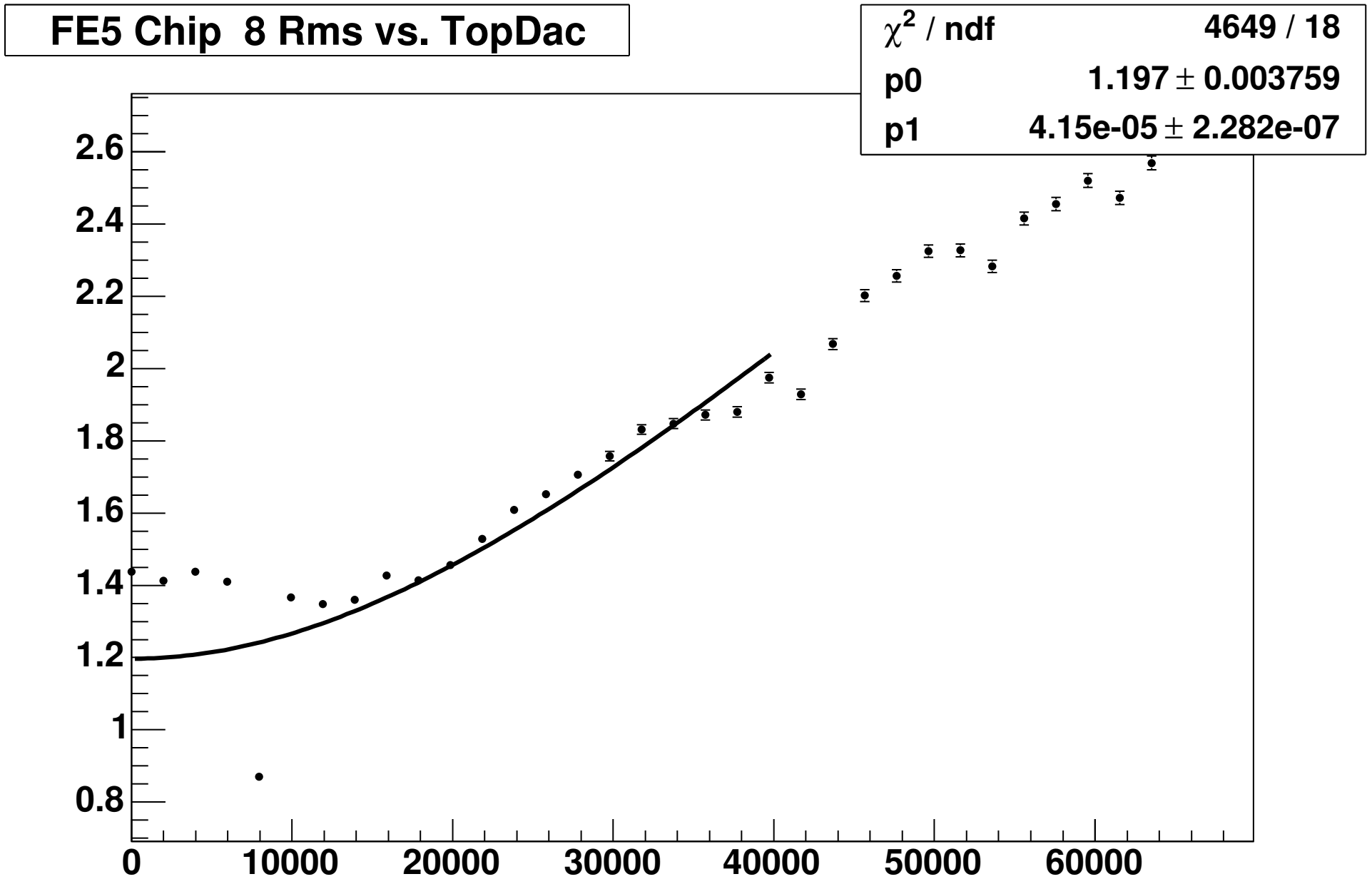

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 3.988e+04 / 18
p0 -3.857 ± 0.007231
p1 0.4507 ± 3.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

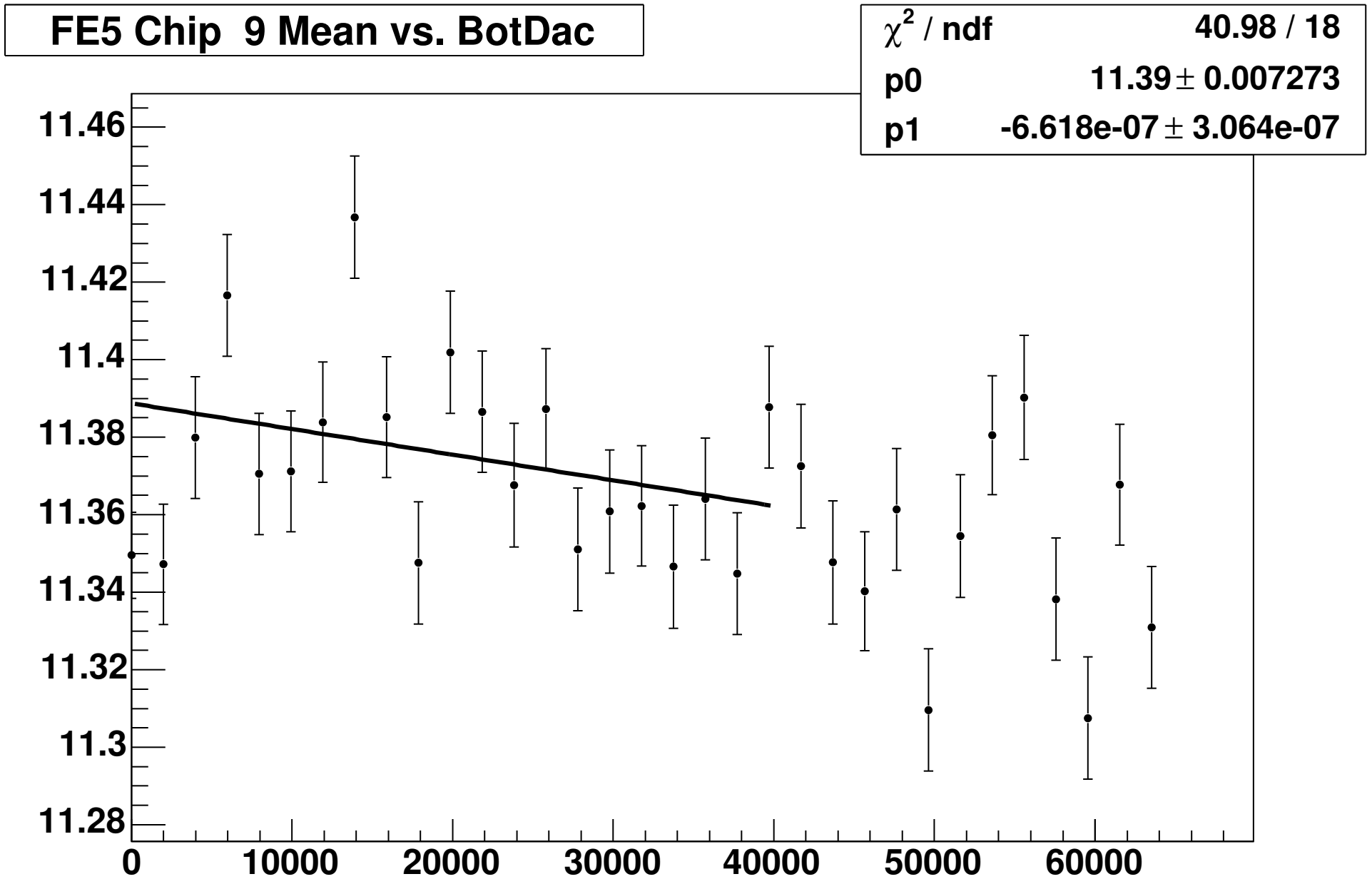

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 414.4 / 18
p0 1.339 ± 0.003955
p1 3.694e-05 ± 2.682e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000

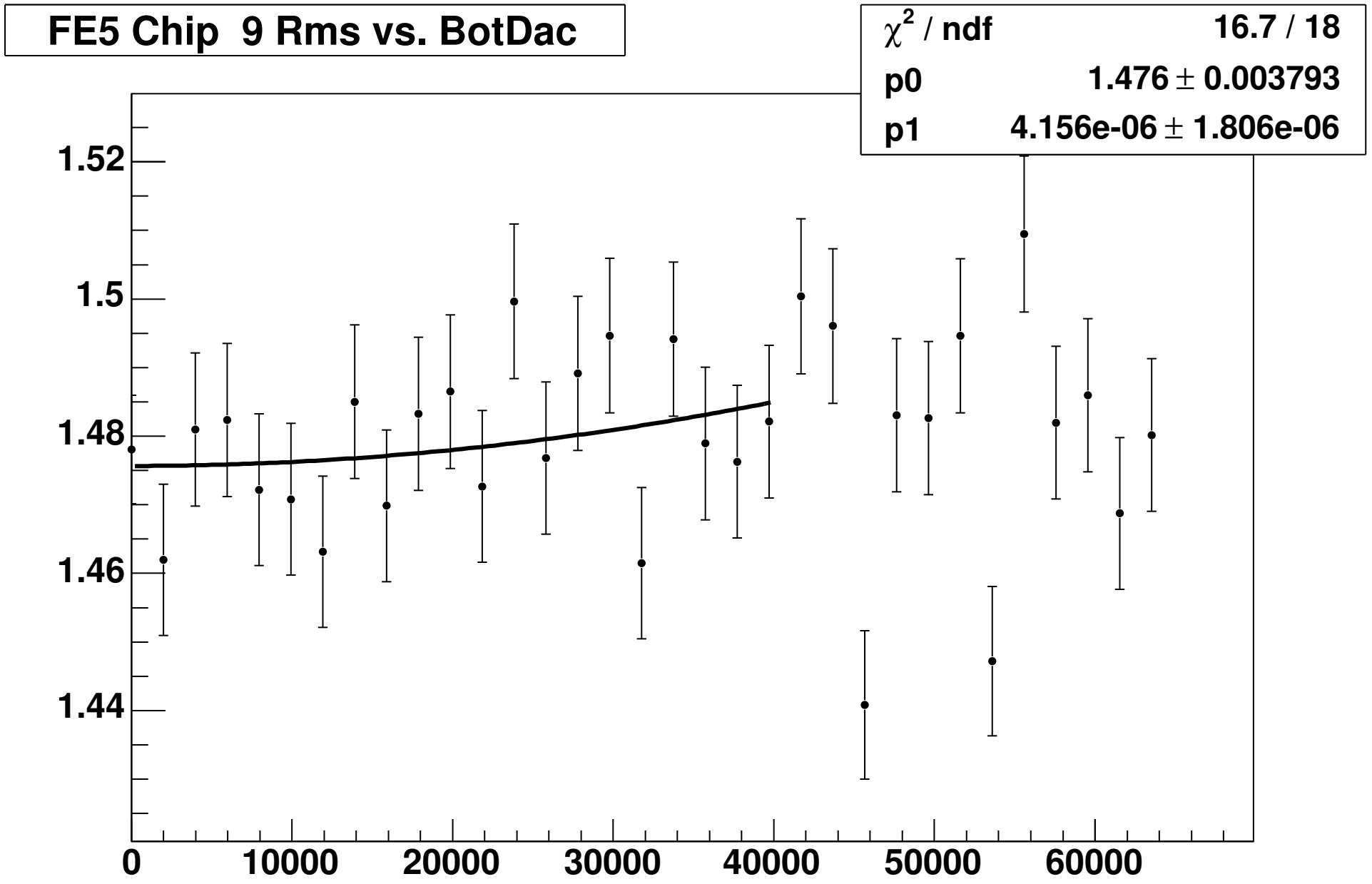

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 58.34 / 18
p0 6.858 ± 0.007098
p1 -4.993e-07 ± 2.982e-07
6.92
6.9
6.88
6.86
6.84
6.82
6.8
6.78
6.76
0
10000
20000
30000
40000
50000
60000

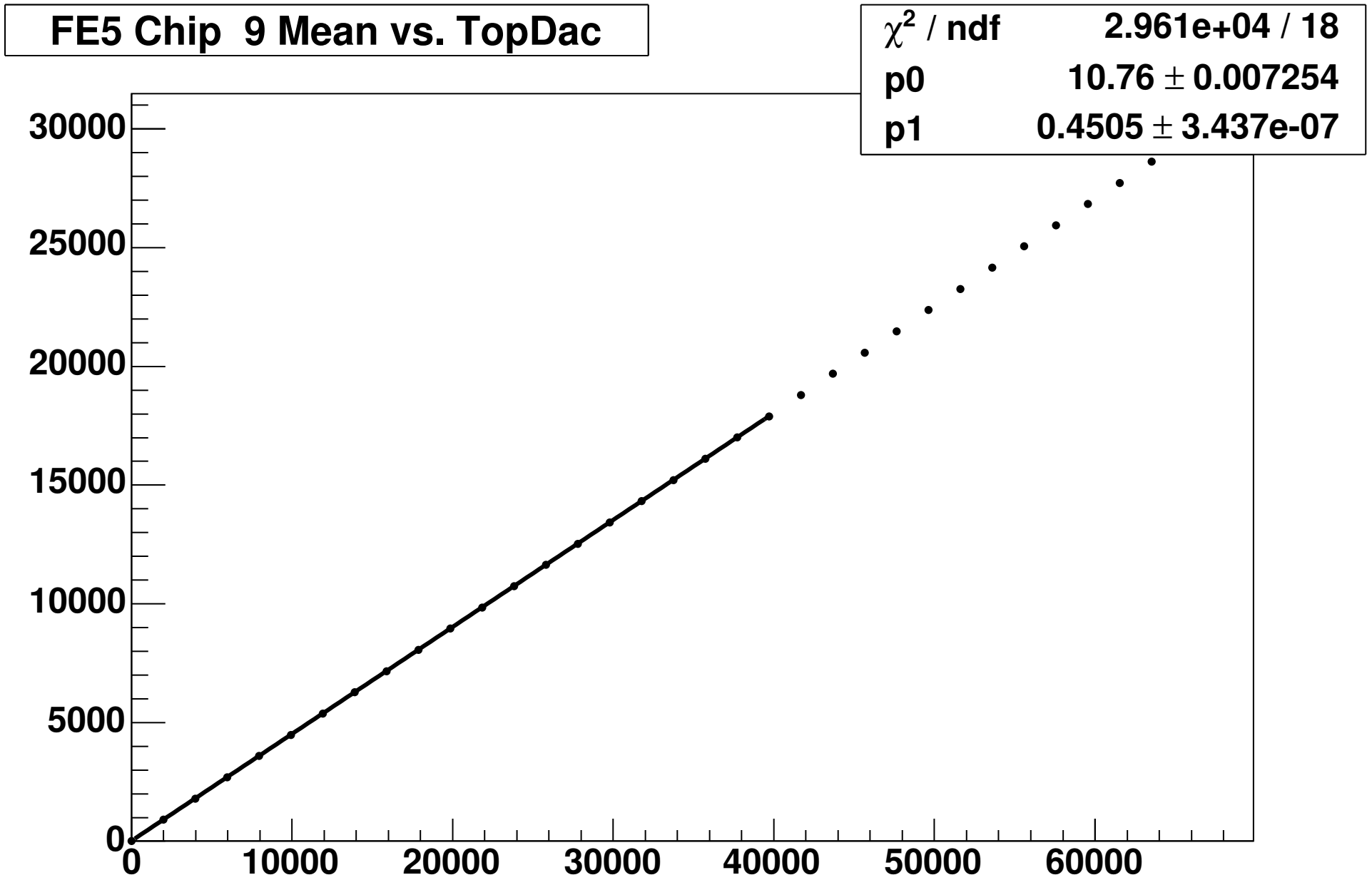

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 28.34 / 18
p0 1.441 ± 0.002426
p1 -2.465e-14 ± 3.48e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

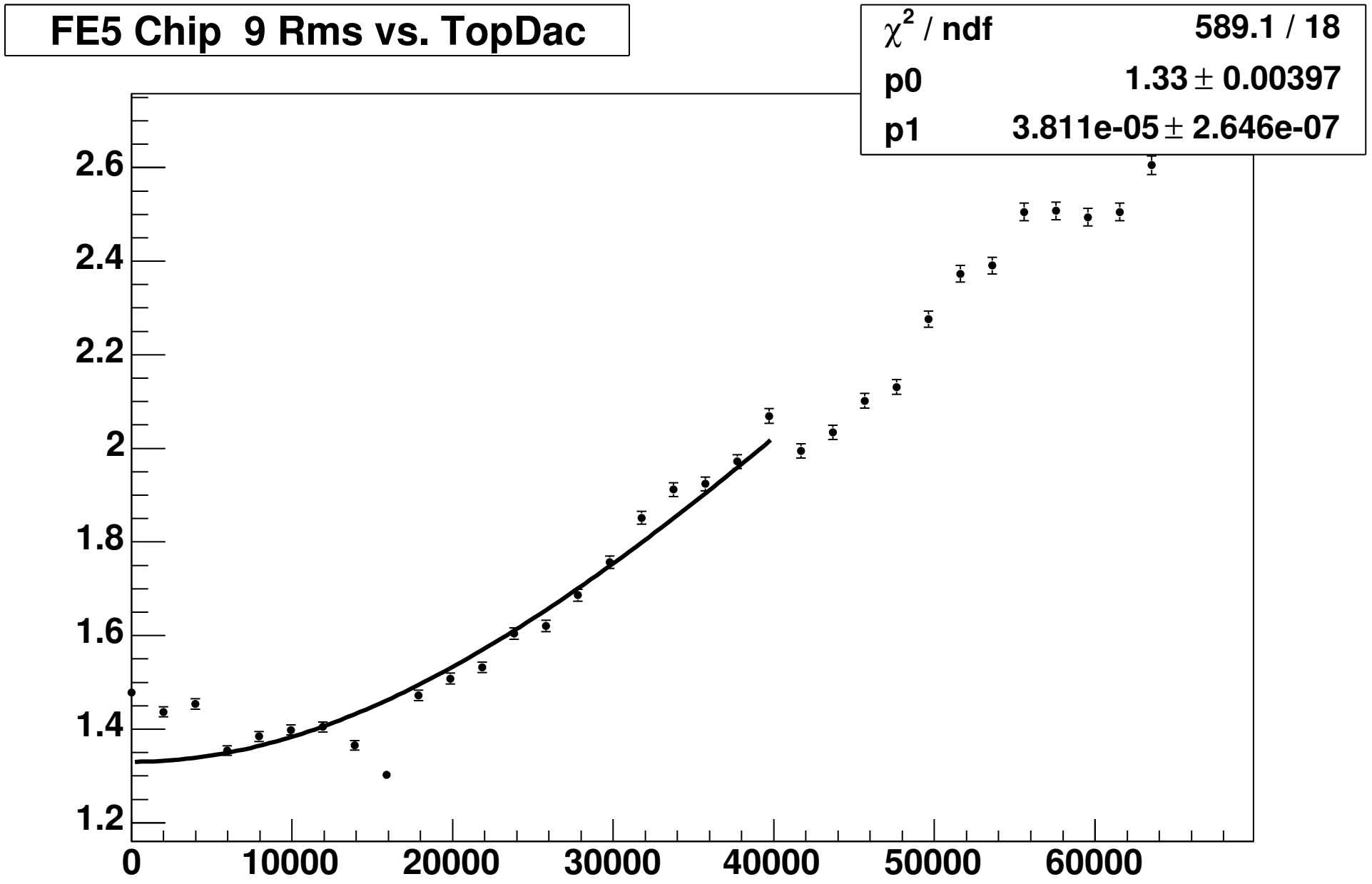

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 2.496e+04 / 18
p0 5.928 ± 0.006669
p1 0.4506 ± 3.254e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

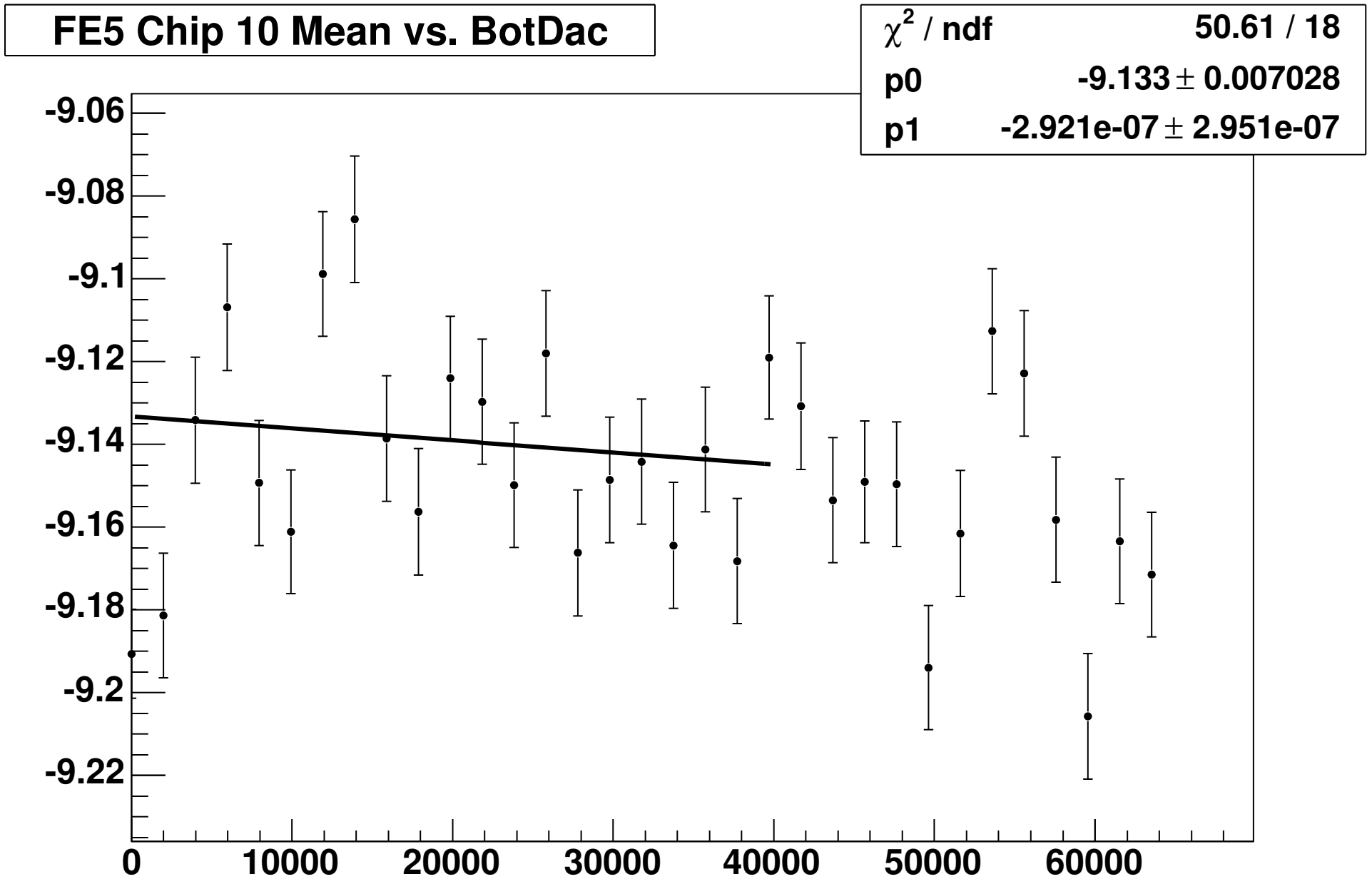

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 4649 / 18
p0 1.197 ± 0.003759
p1 4.15e-05 ± 2.282e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000

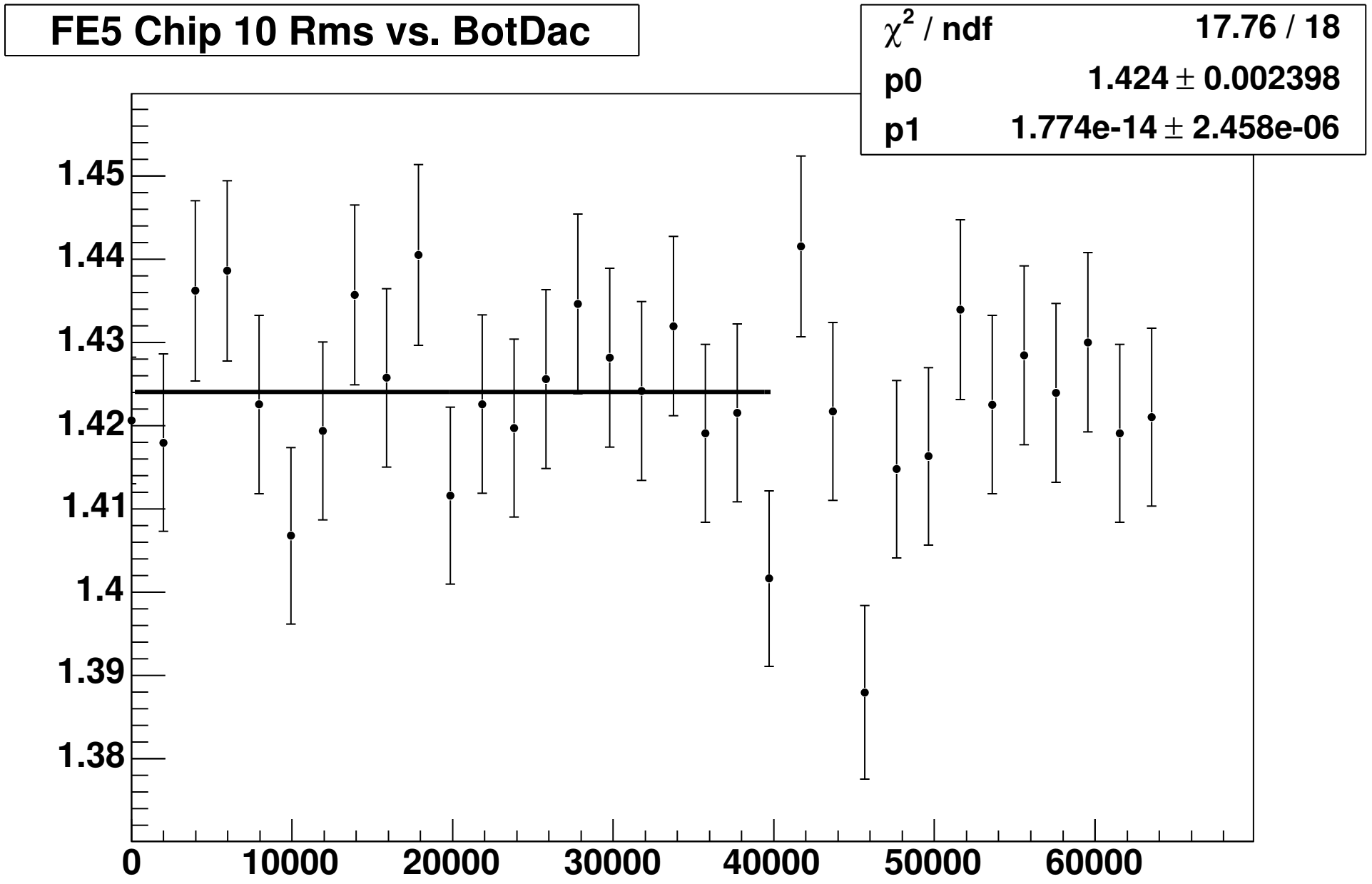

FE5 Chip 9 Mean vs. BotDac
χ^2 / ndf 40.98 / 18
p0 11.39 ± 0.007273
p1 -6.618e-07 ± 3.064e-07
11.46
11.44
11.42
11.4
11.38
11.36
11.34
11.32
11.3
11.28
0
10000
20000
30000
40000
50000
60000

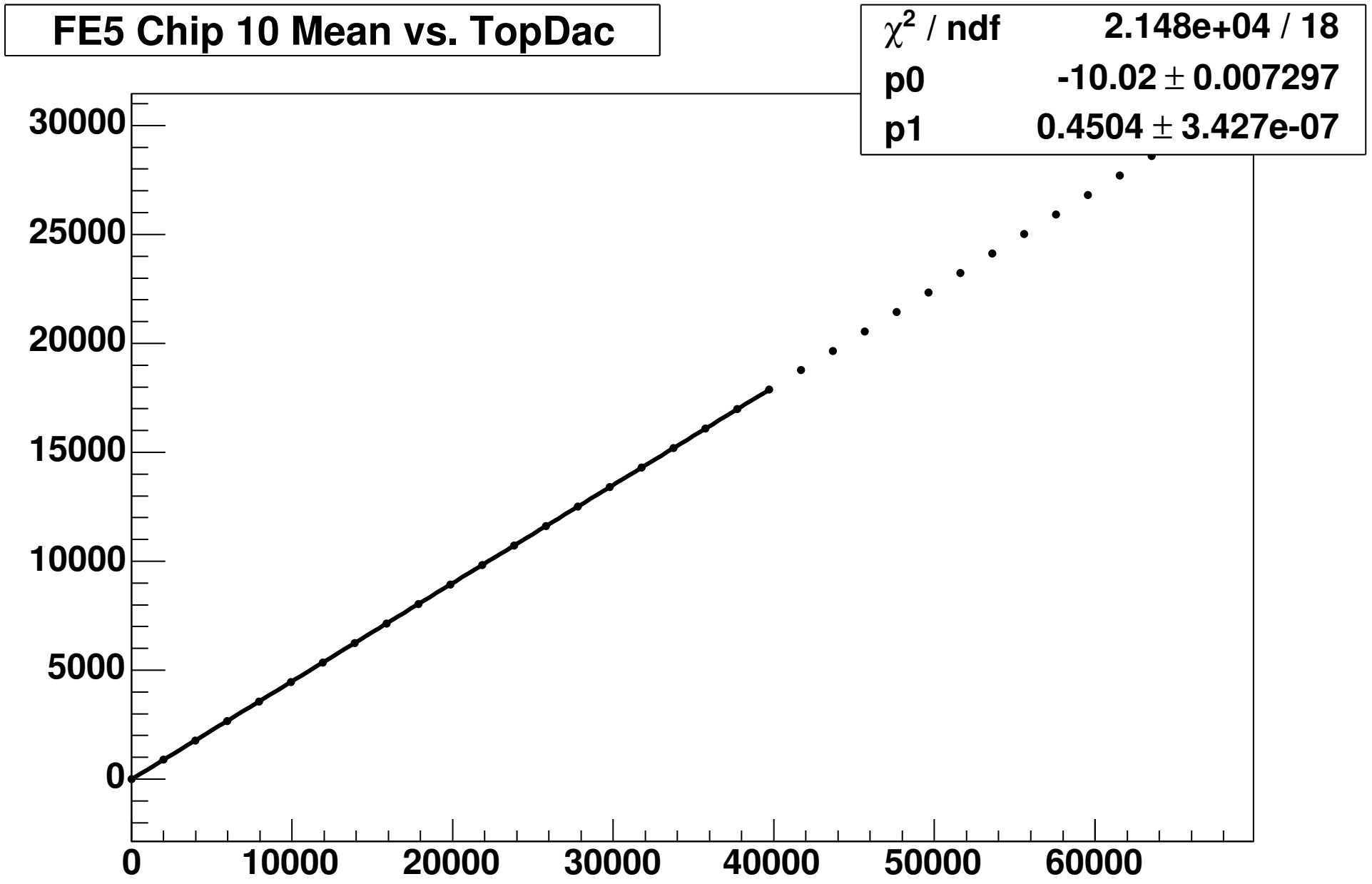

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 16.7 / 18
p0 1.476 ± 0.003793
p1 4.156e-06 ± 1.806e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

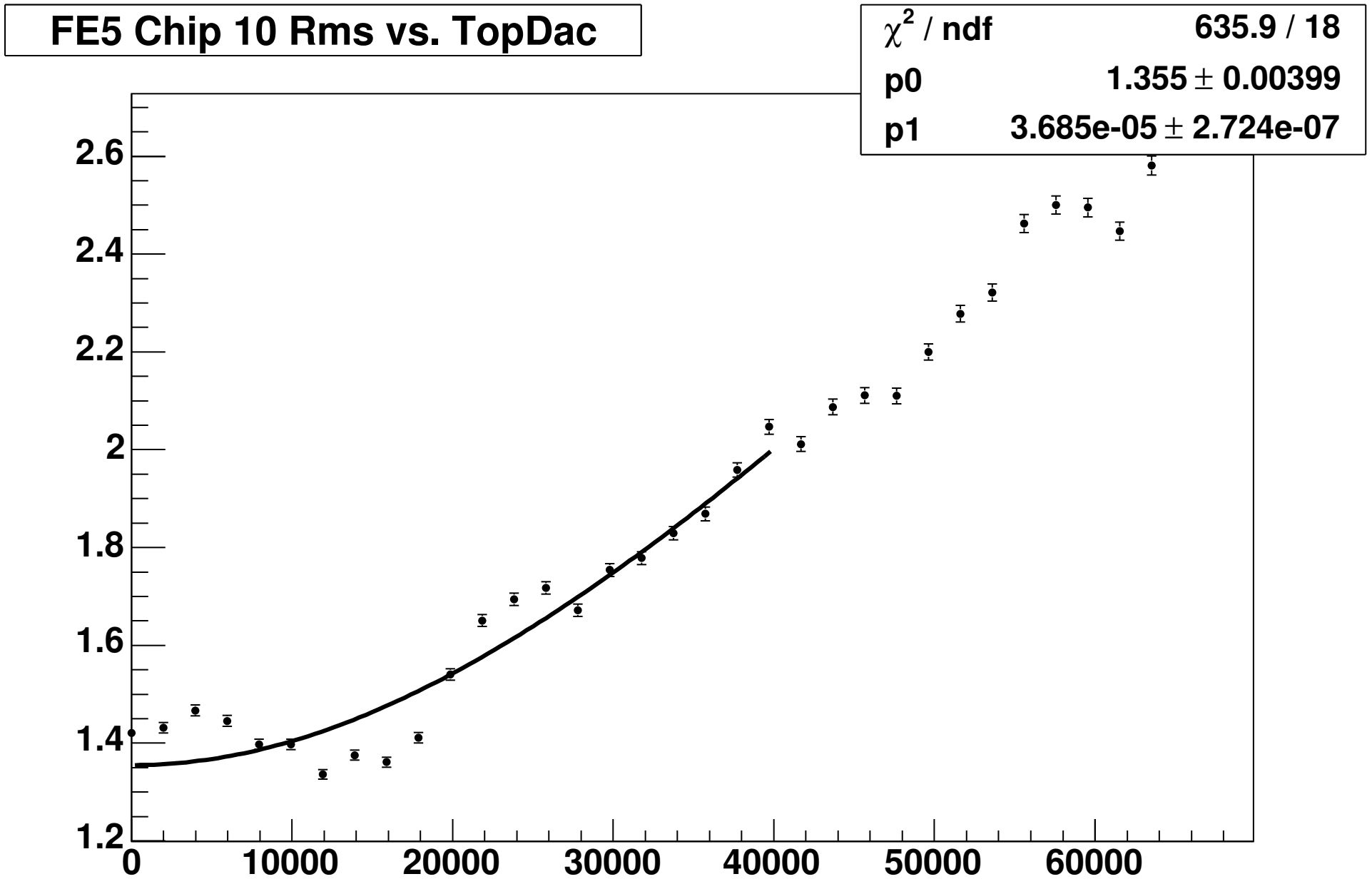

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 2.961e+04 / 18
p0 10.76 ± 0.007254
p1 0.4505 ± 3.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

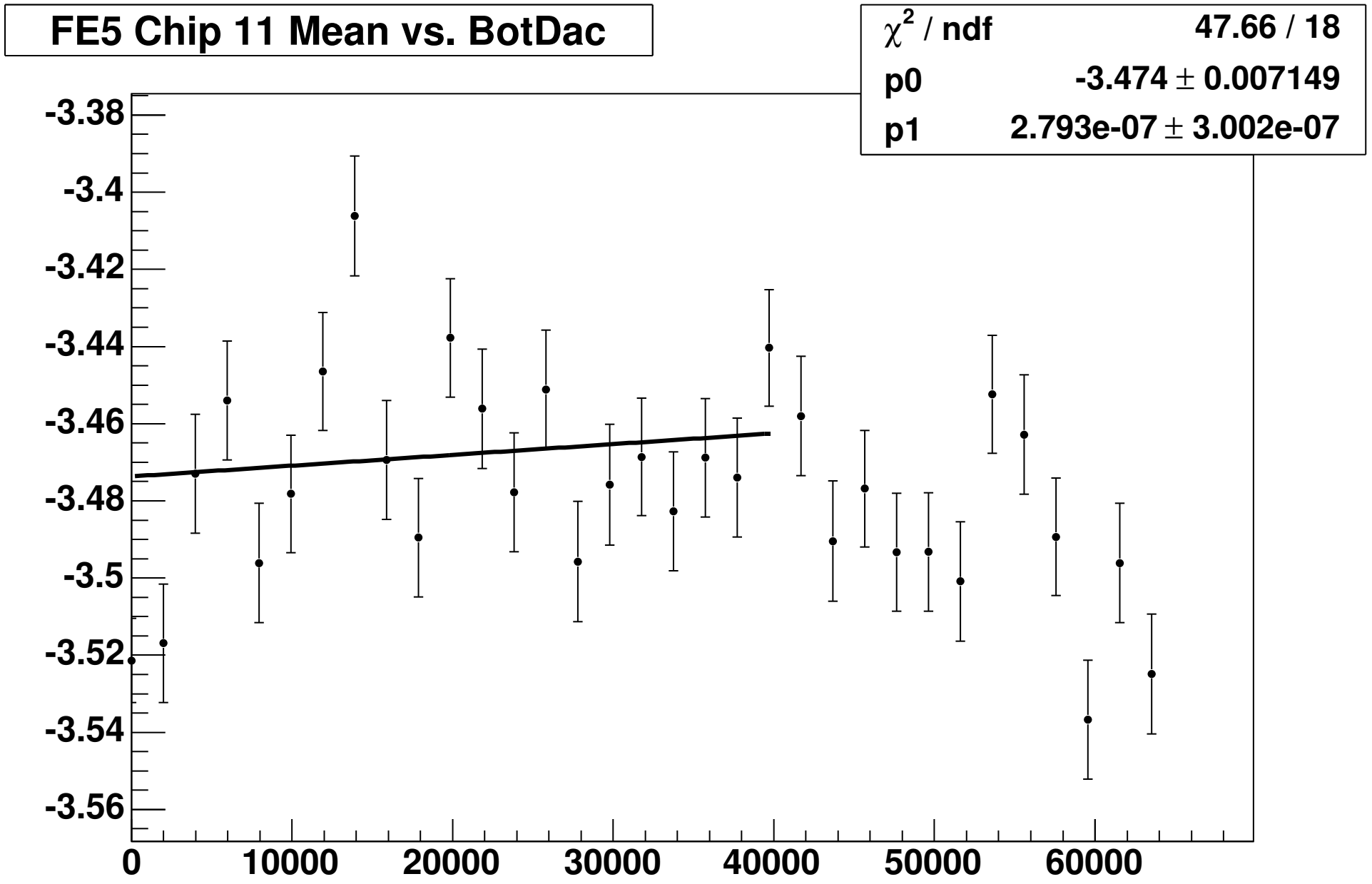

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 589.1 / 18
p0 1.33 ± 0.00397
p1 3.811e-05 ± 2.646e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

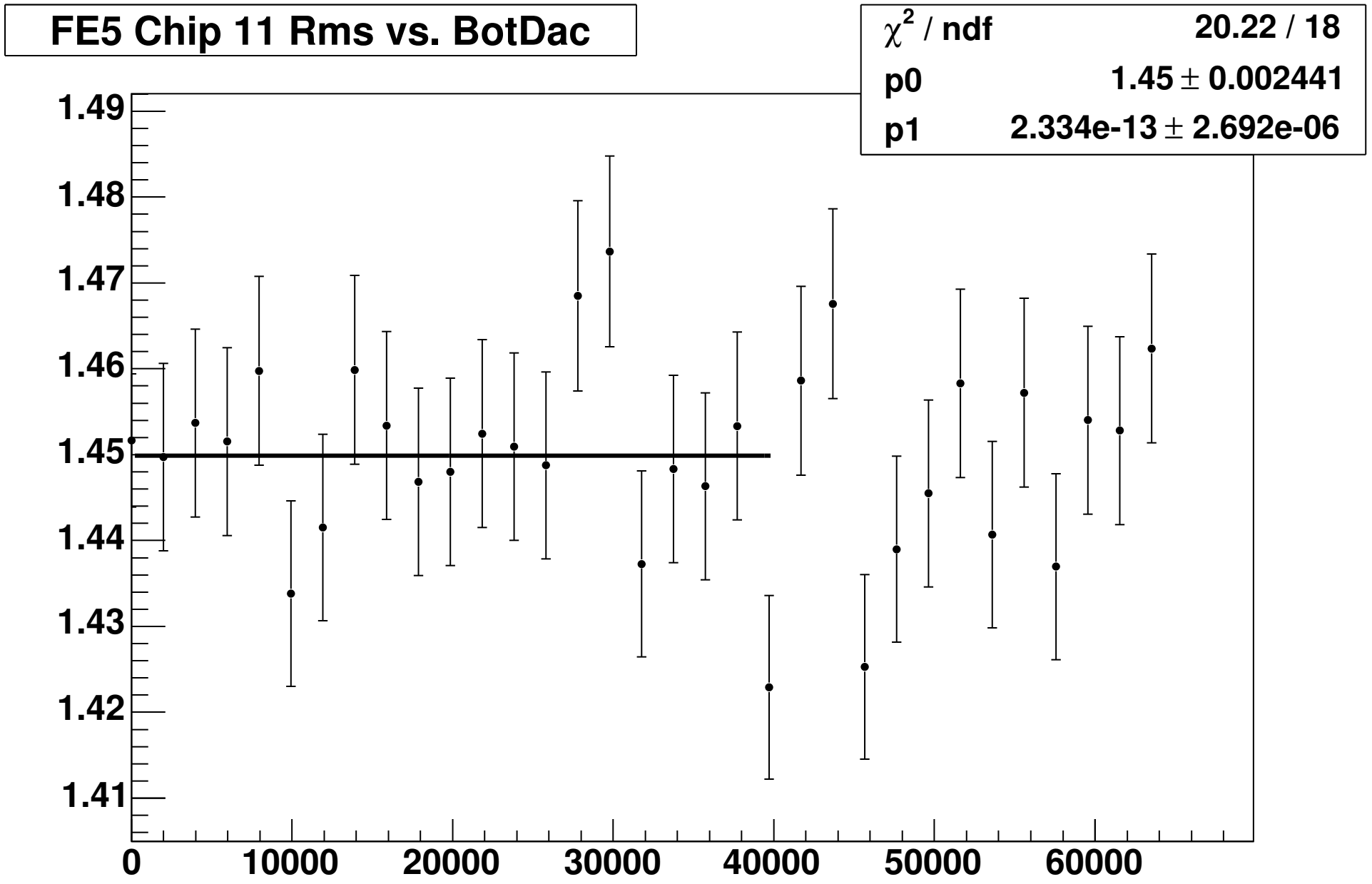

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 50.61 / 18
p0 -9.133 ± 0.007028
p1 -2.921e-07 ± 2.951e-07
-9.06
-9.08
-9.1
-9.12
-9.14
-9.16
-9.18
-9.2
-9.22
0
10000
20000
30000
40000
50000
60000

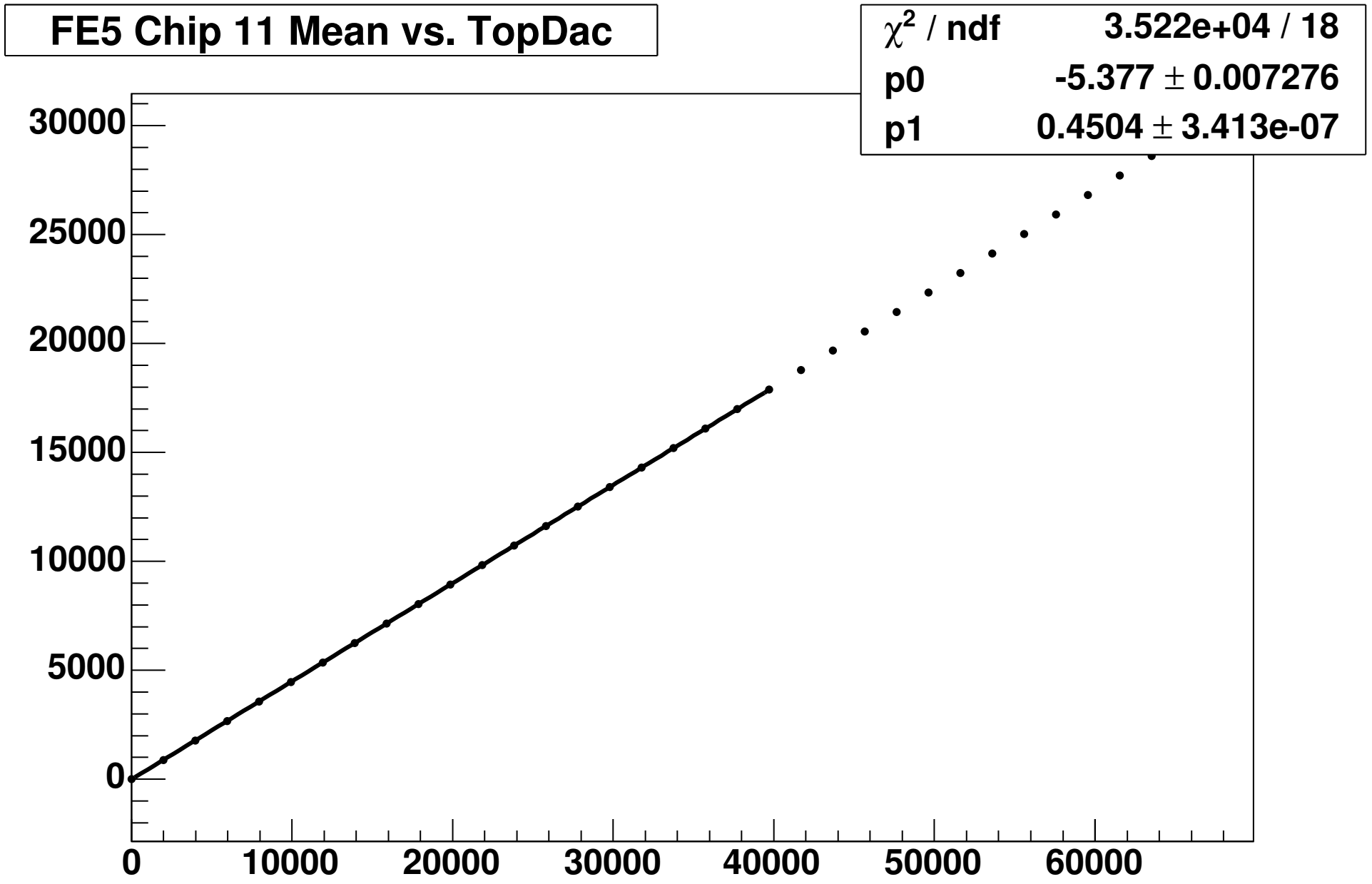

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 17.76 / 18
p0 1.424 ± 0.002398
p1 1.774e-14 ± 2.458e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

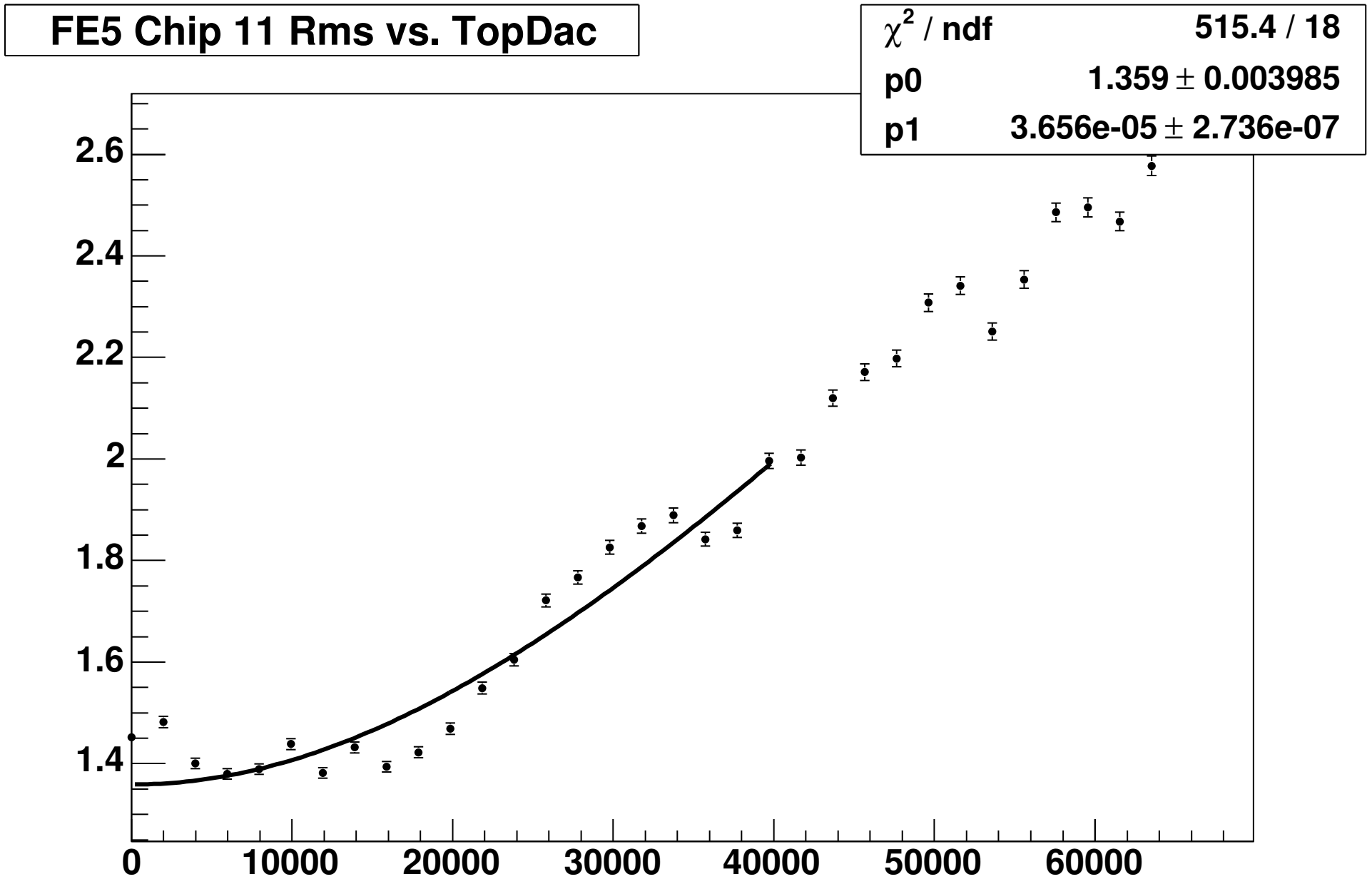

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 2.148e+04 / 18
p0 -10.02 ± 0.007297
p1 0.4504 ± 3.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

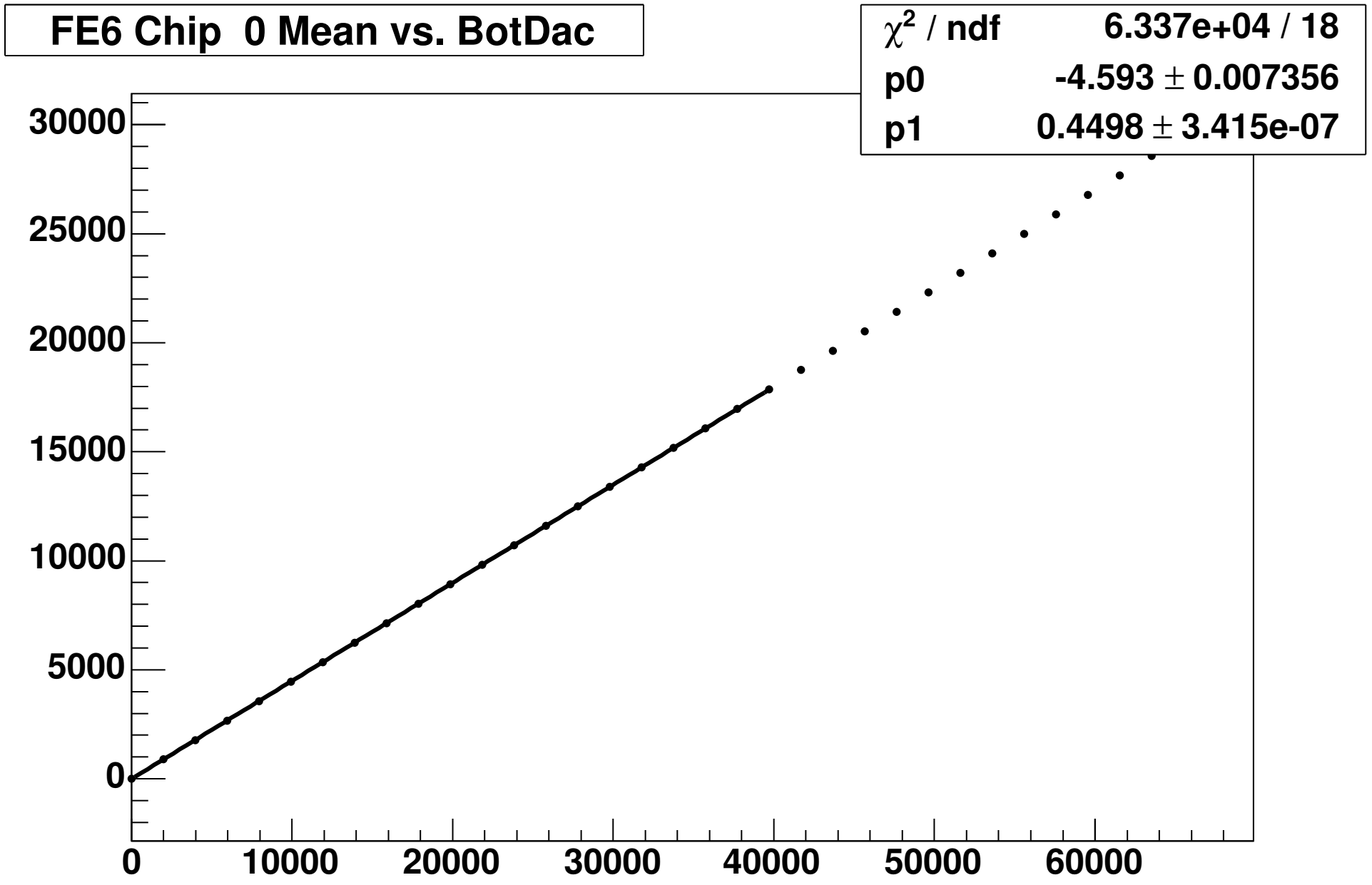

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 635.9 / 18
p0 1.355 ± 0.00399
p1 3.685e-05 ± 2.724e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

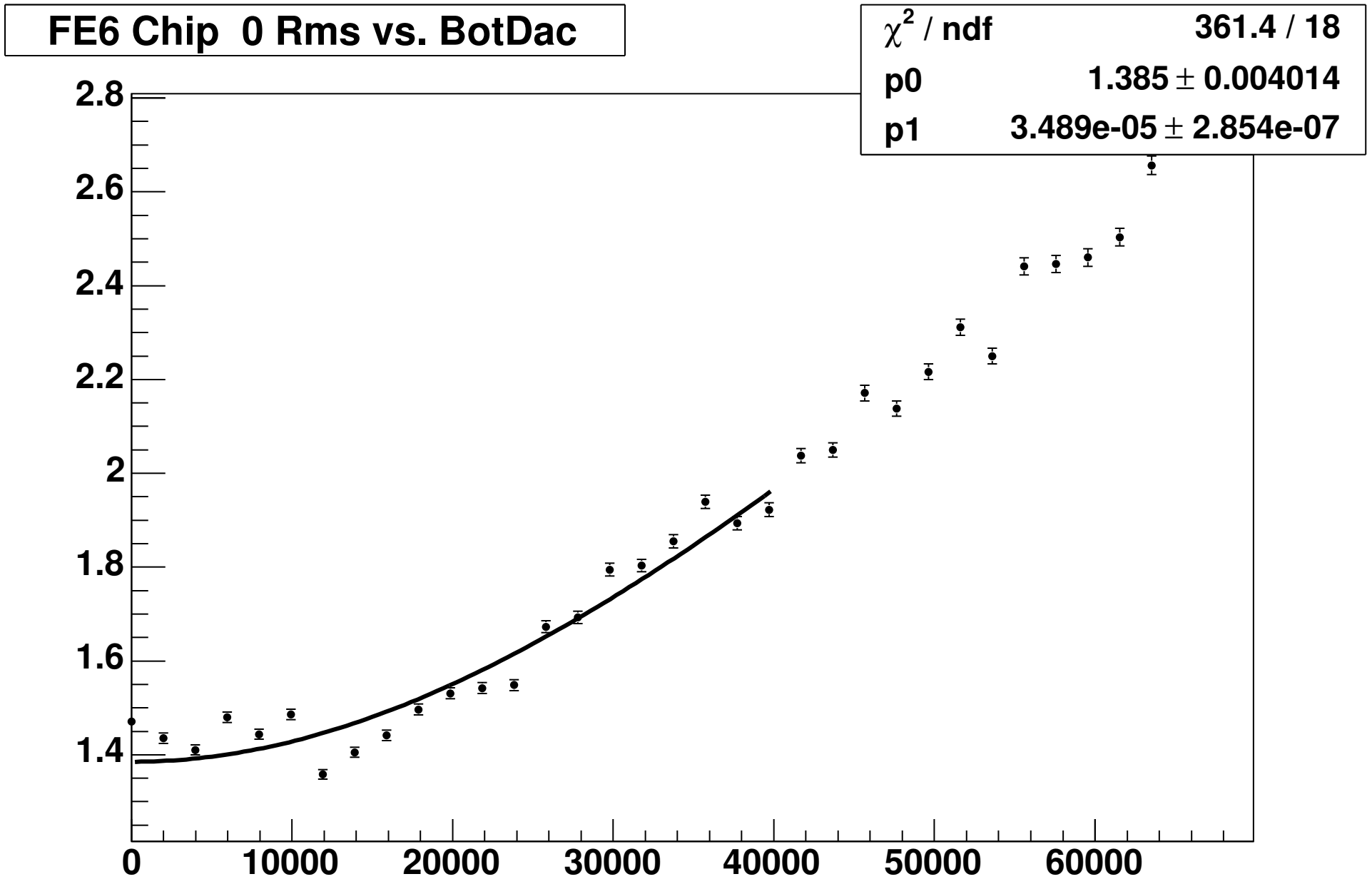

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 47.66 / 18
p0 -3.474 ± 0.007149
p1 2.793e-07 ± 3.002e-07
-3.38
-3.4
-3.42
-3.44
-3.46
-3.48
-3.5
-3.52
-3.54
-3.56
0
10000
20000
30000
40000
50000
60000

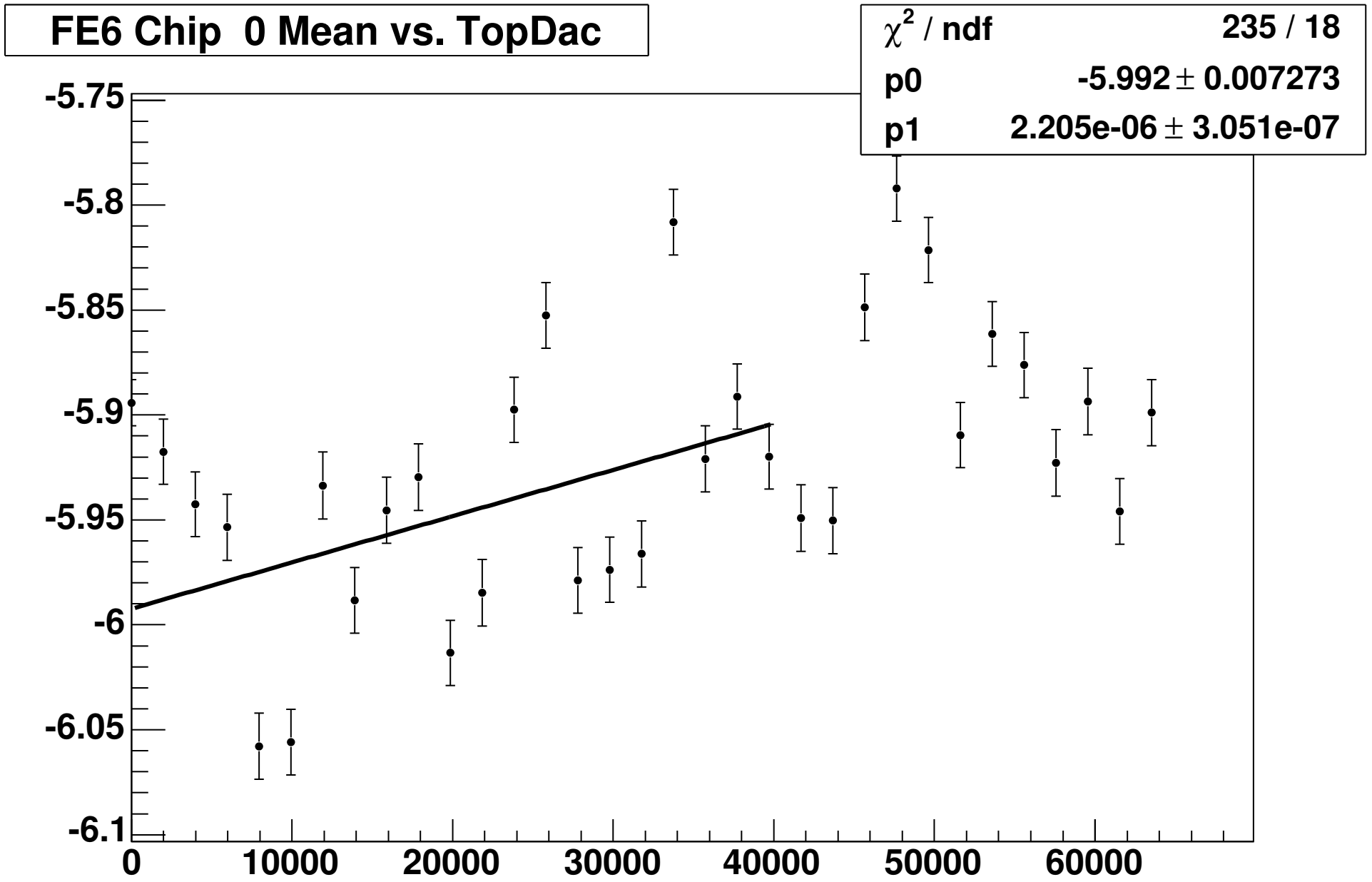

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 20.22 / 18
p0 1.45 ± 0.002441
p1 2.334e-13 ± 2.692e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

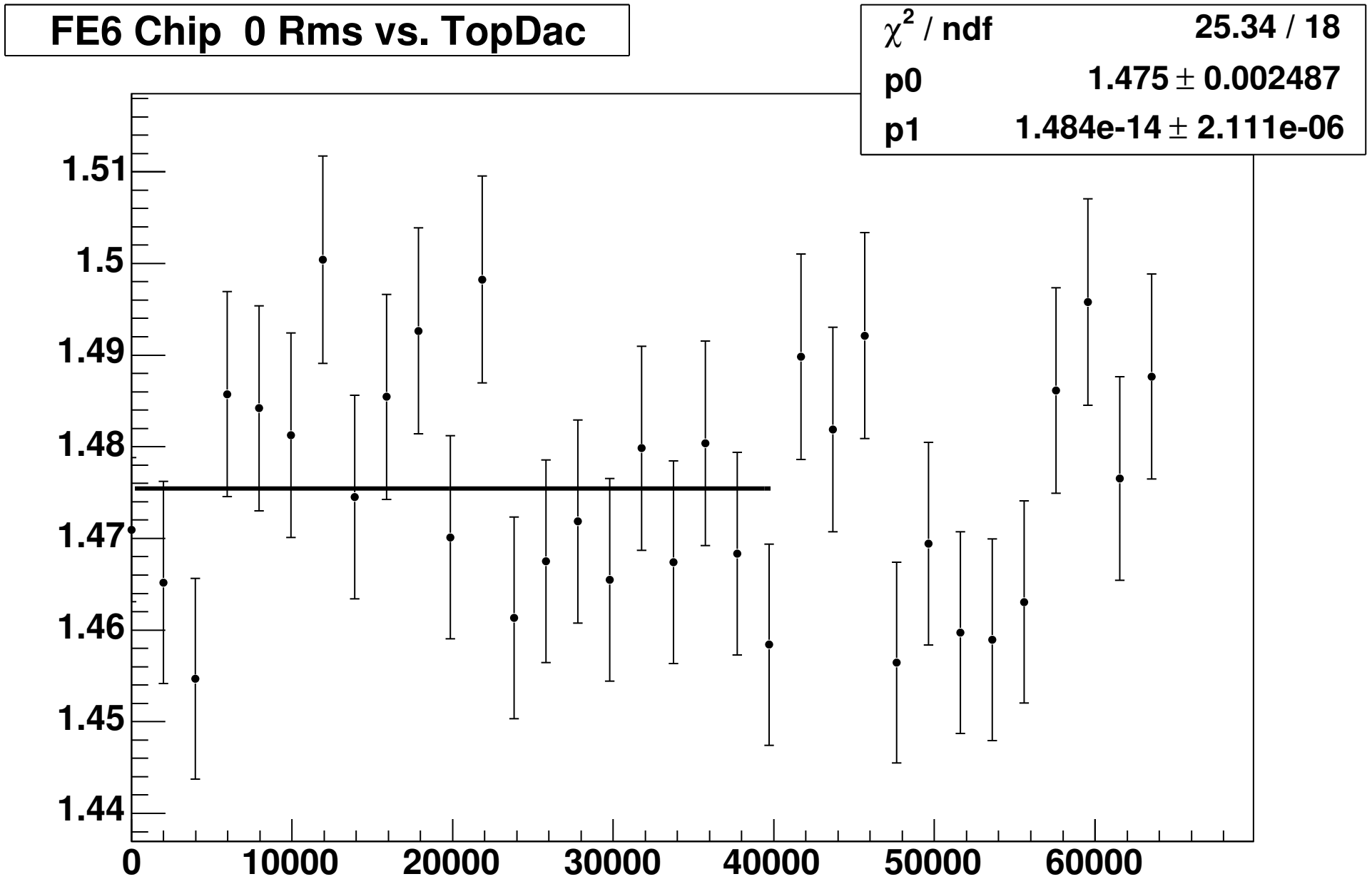

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 3.522e+04 / 18
p0 -5.377 ± 0.007276
p1 0.4504 ± 3.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

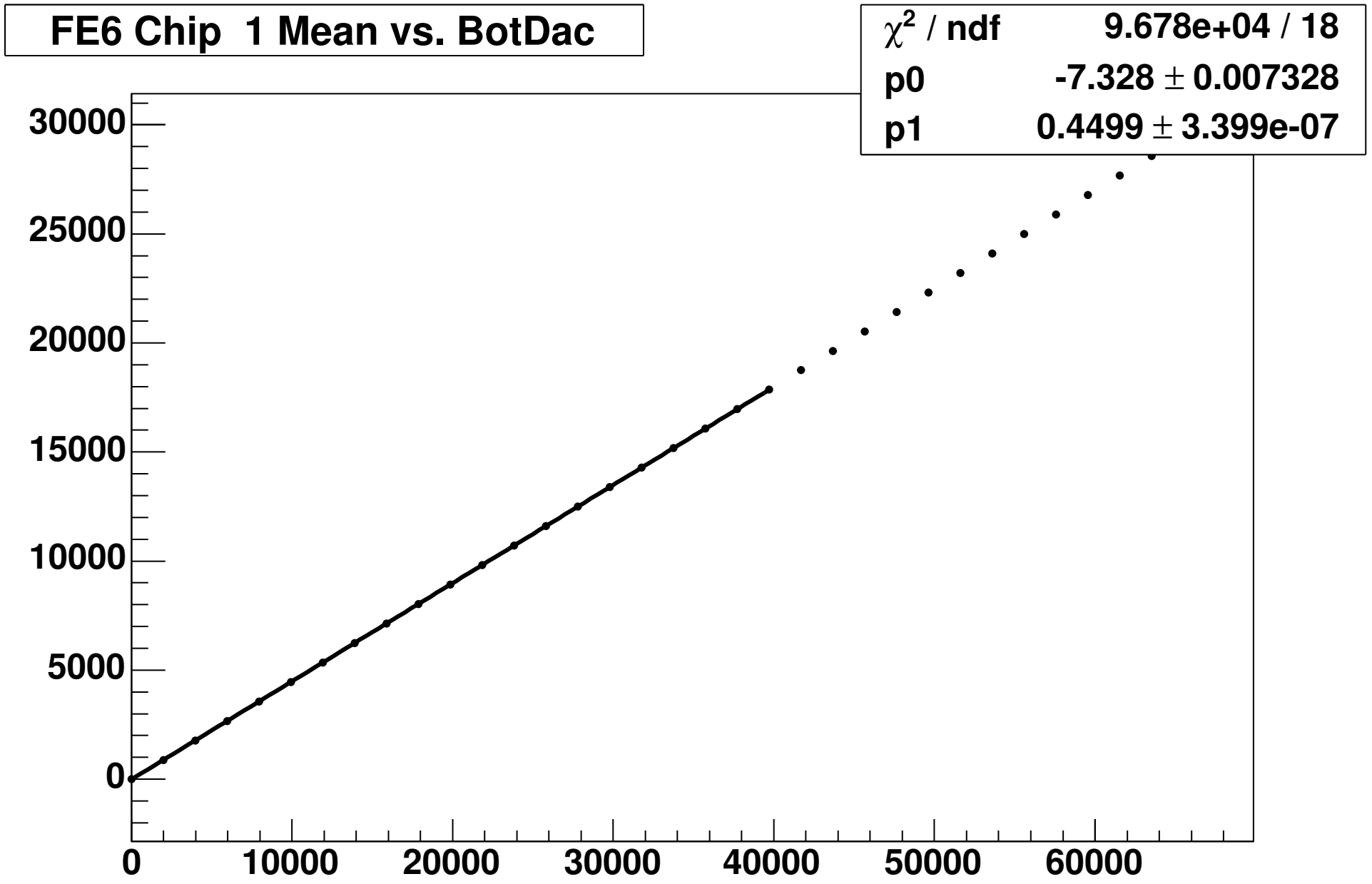

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 515.4 / 18
p0 1.359 ± 0.003985
p1 3.656e-05 ± 2.736e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

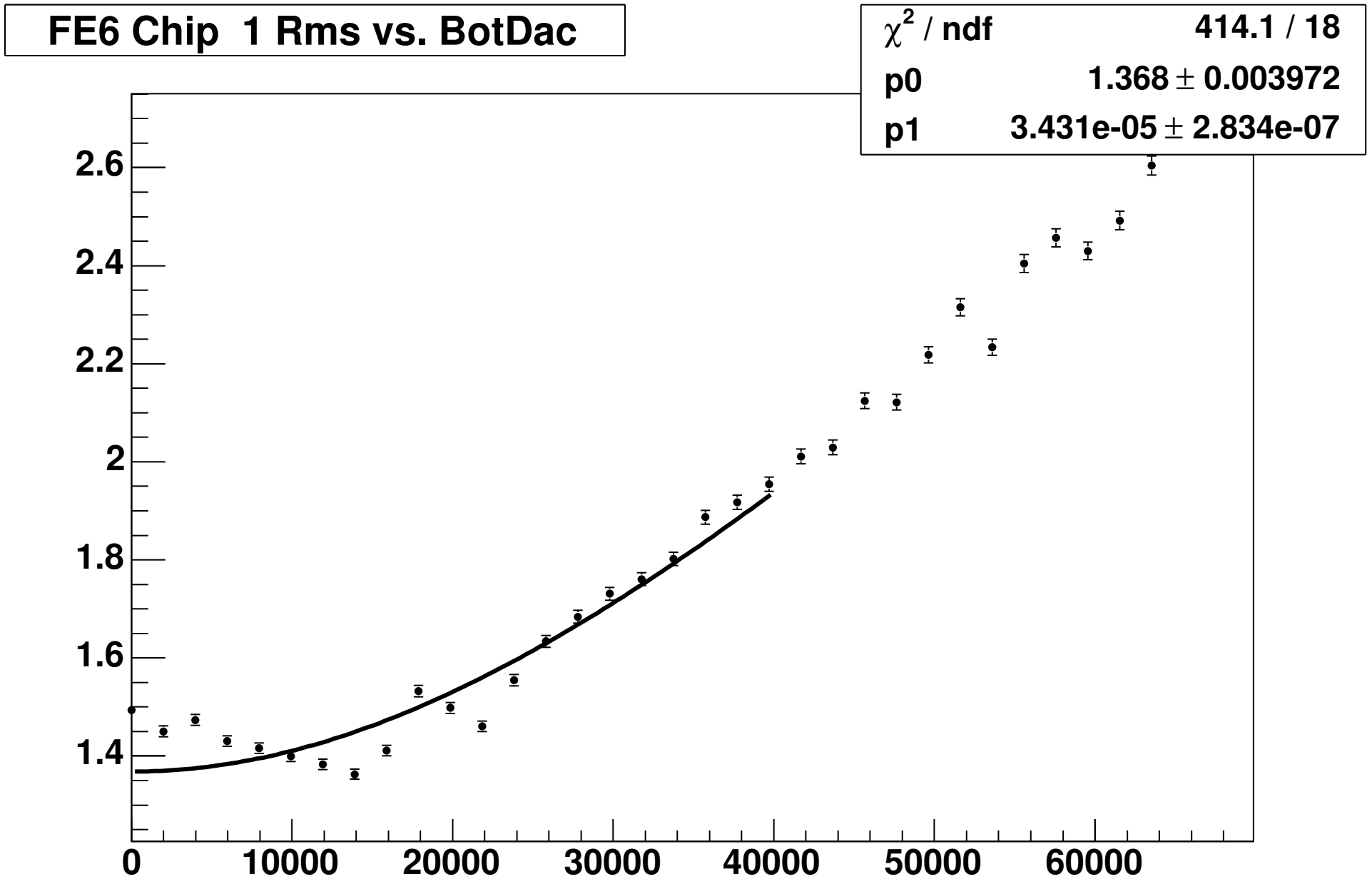

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 6.337e+04 / 18
p0 -4.593 ± 0.007356
p1 0.4498 ± 3.415e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 361.4 / 18
p0 1.385 ± 0.004014
p1 3.489e-05 ± 2.854e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 235 / 18
p0 -5.992 ± 0.007273
p1 2.205e-06 ± 3.051e-07
-5.75
-5.8
-5.85
-5.9
-5.95
-6
-6.05
-6.1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 25.34 / 18
p0 1.475 ± 0.002487
p1 1.484e-14 ± 2.111e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 9.678e+04 / 18
p0 -7.328 ± 0.007328
p1 0.4499 ± 3.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 414.1 / 18
p0 1.368 ± 0.003972
p1 3.431e-05 ± 2.834e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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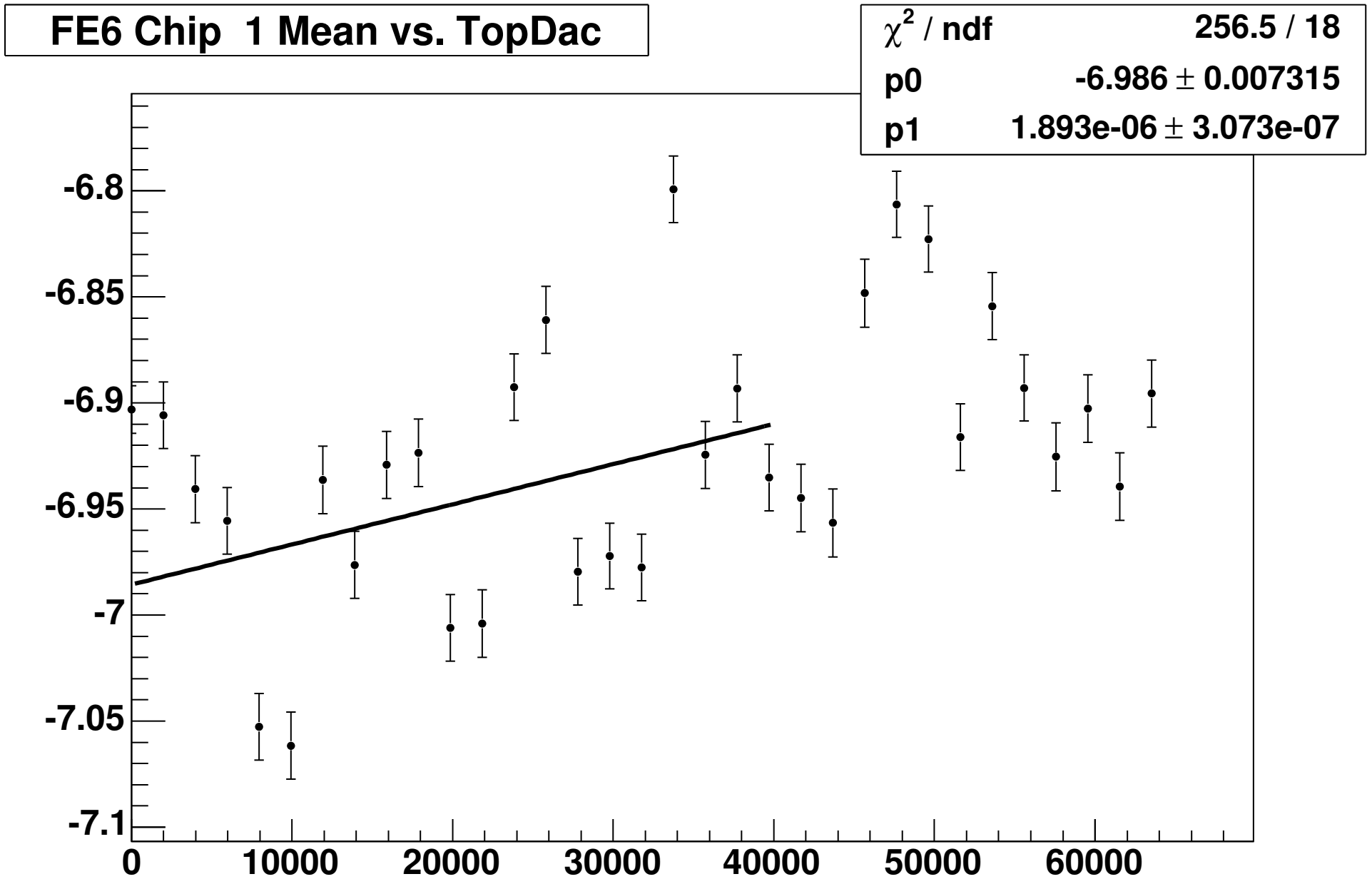
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 256.5 / 18
p0 -6.986 ± 0.007315
p1 1.893e-06 ± 3.073e-07
-6.8
-6.85
-6.9
-6.95
-7
-7.05
-7.1
0
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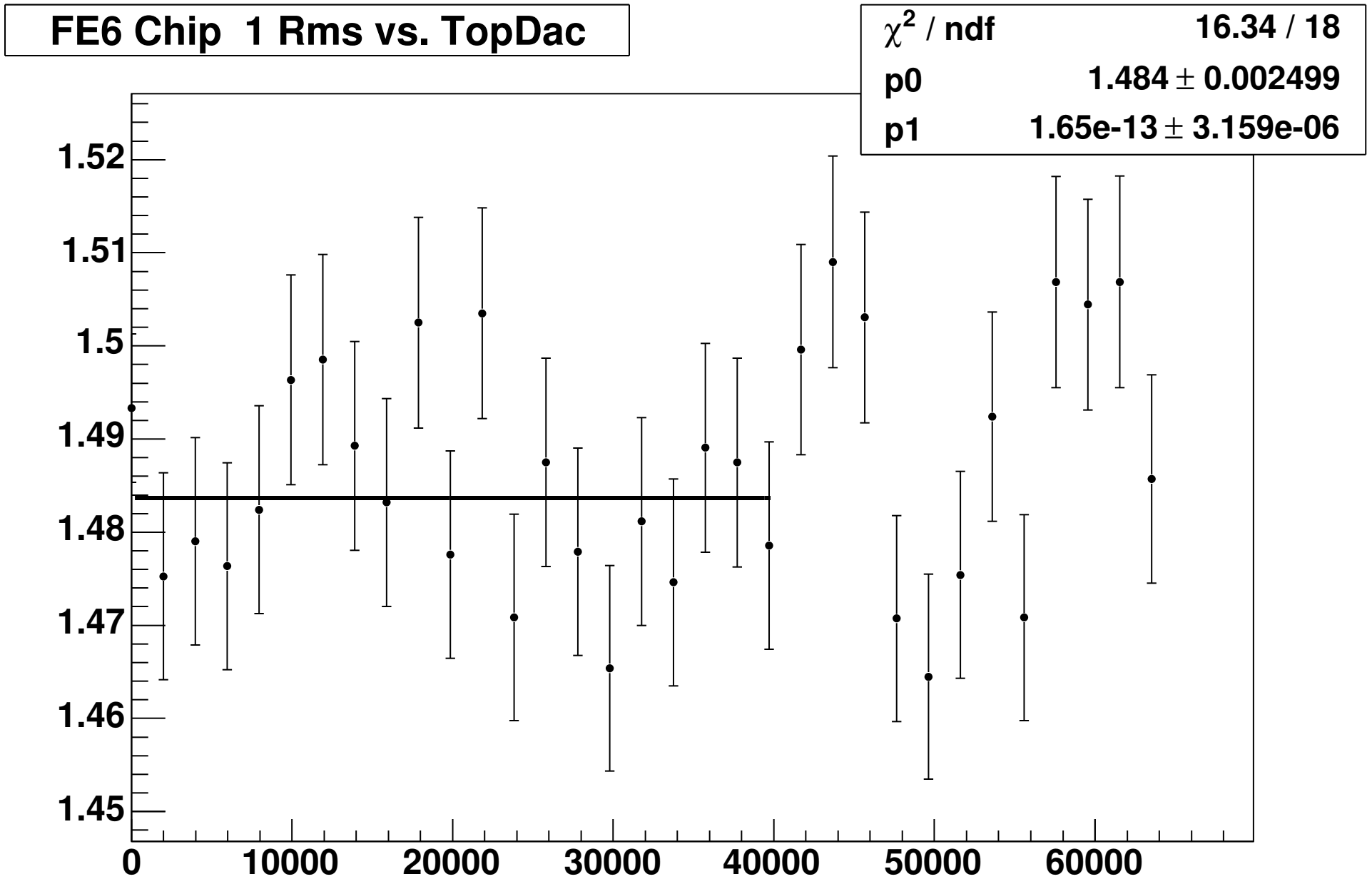
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 16.34 / 18
p0 1.484 ± 0.002499
p1 1.65e-13 ± 3.159e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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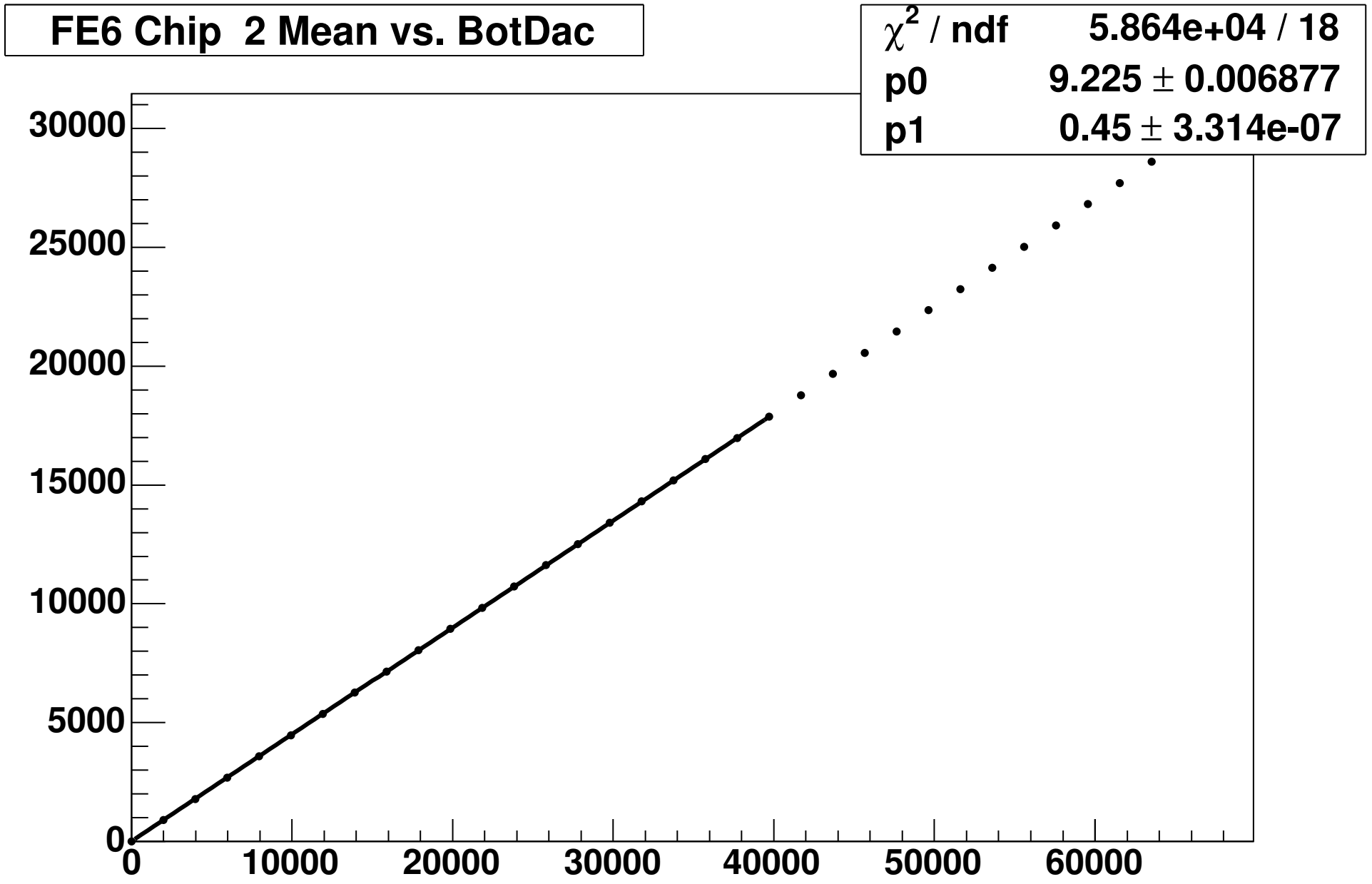
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 5.864e+04 / 18
p0 9.225 ± 0.006877
p1 0.45 ± 3.314e-07
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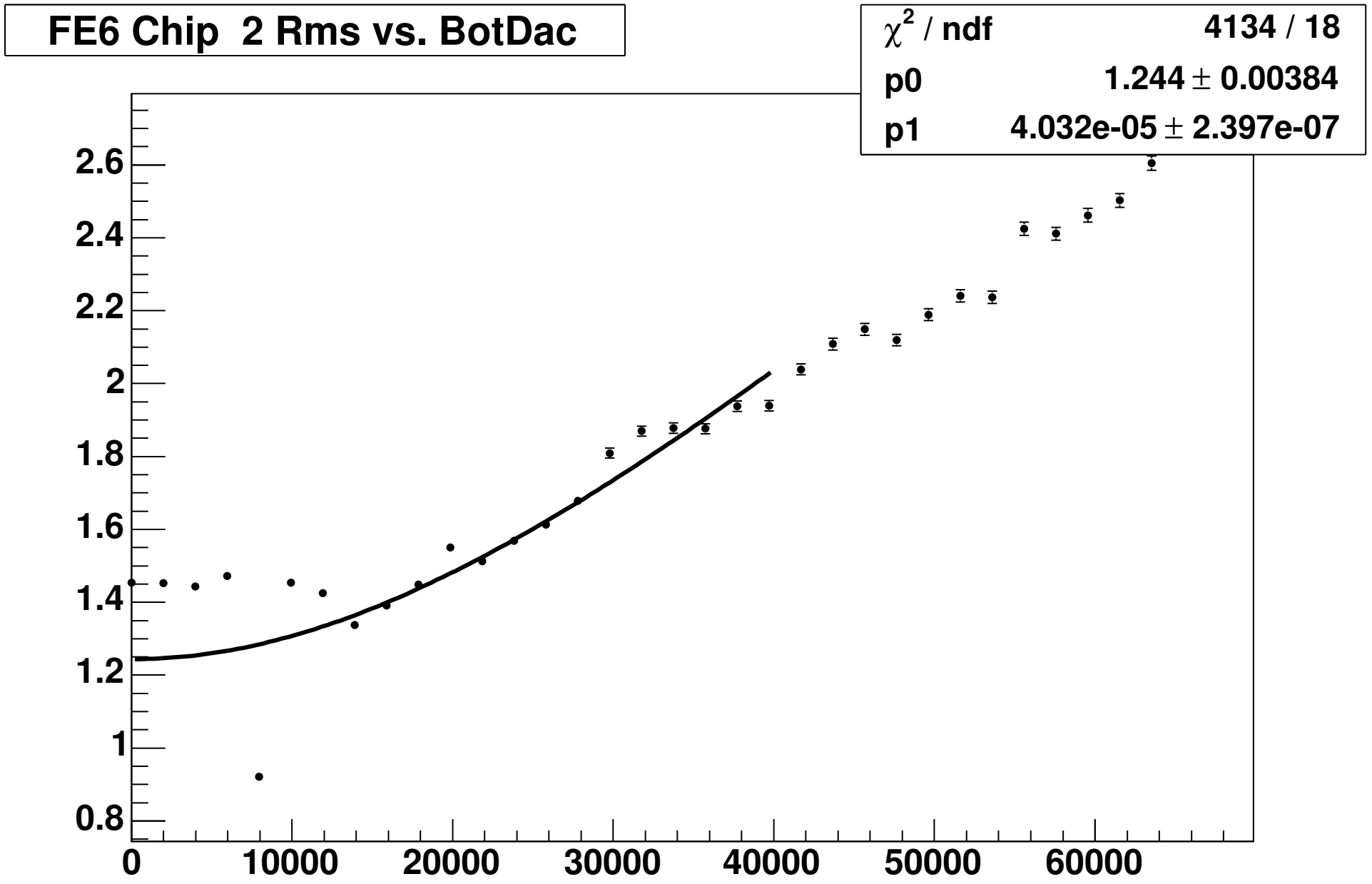
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 4134 / 18
p0 1.244 ± 0.00384
p1 4.032e-05 ± 2.397e-07
2.6
2.4
2.2
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1.8
1.6
1.4
1.2
1
0.8
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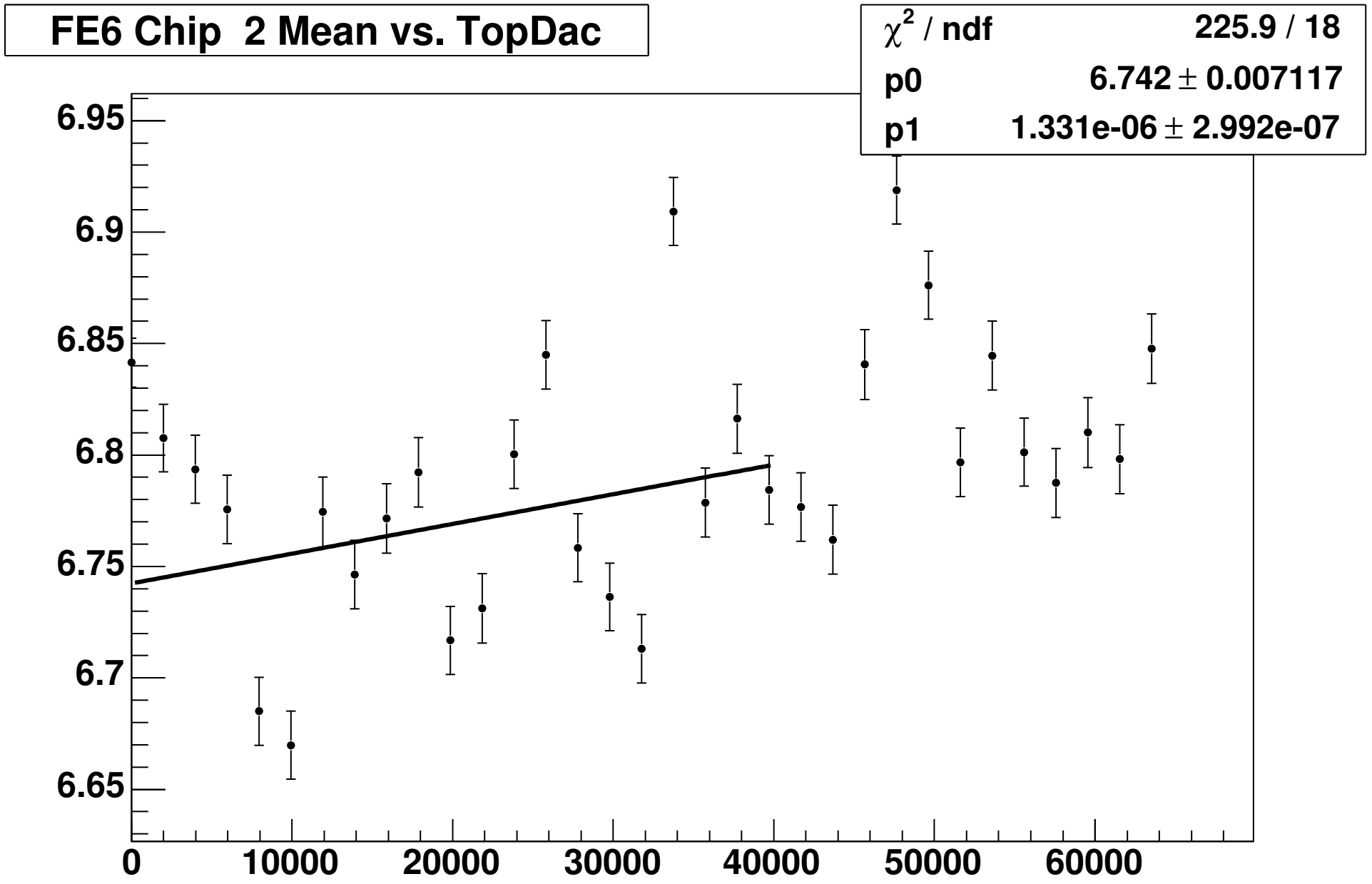
FE6 Chip 2 Mean vs. TopDac
χ^2 / ndf 225.9 / 18
p0 6.742 ± 0.007117
p1 1.331e-06 ± 2.992e-07
6.95
6.9
6.85
6.8
6.75
6.7
6.65
0
10000
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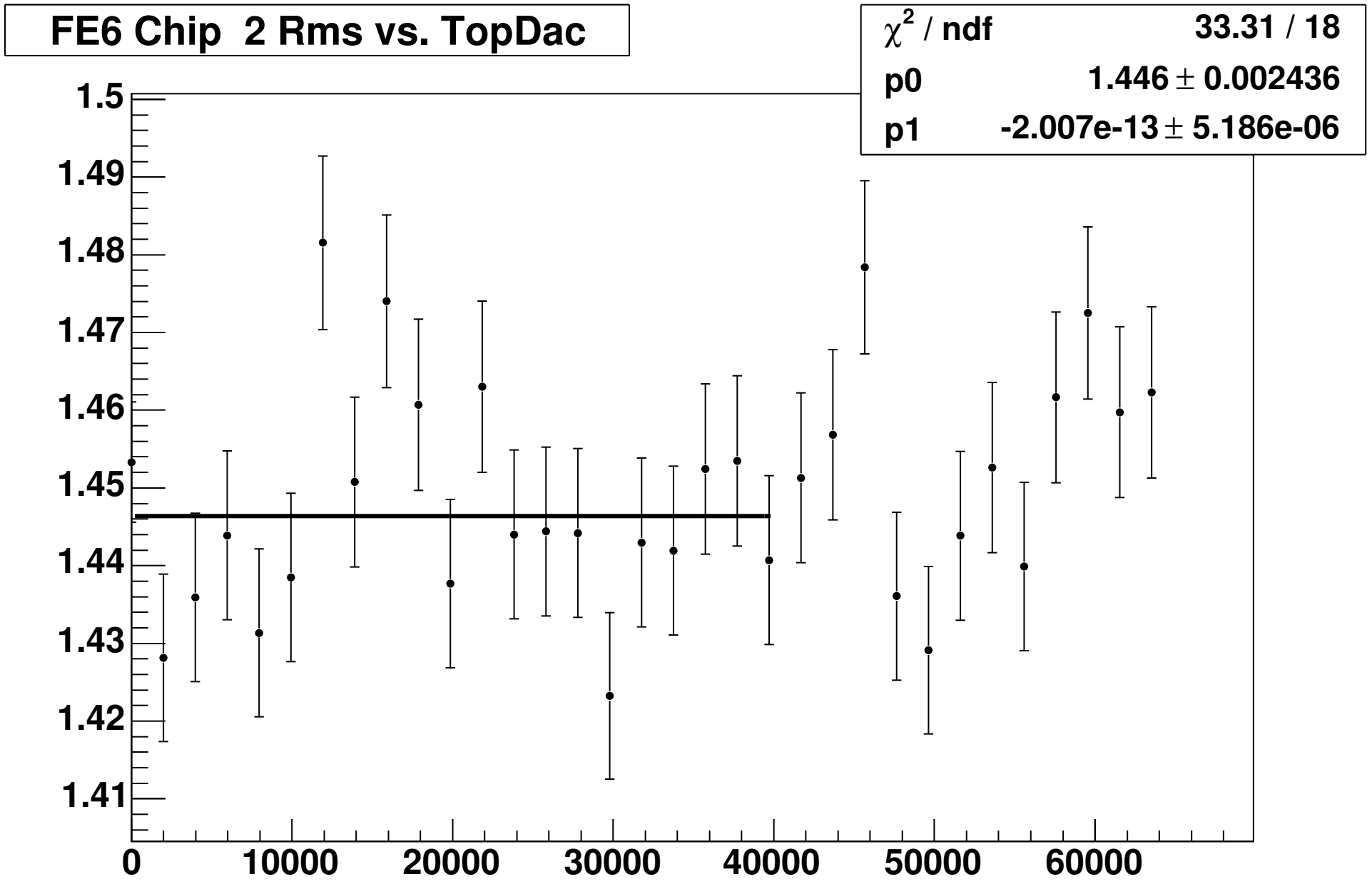
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 33.31 / 18
p0 1.446 ± 0.002436
p1 -2.007e-13 ± 5.186e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
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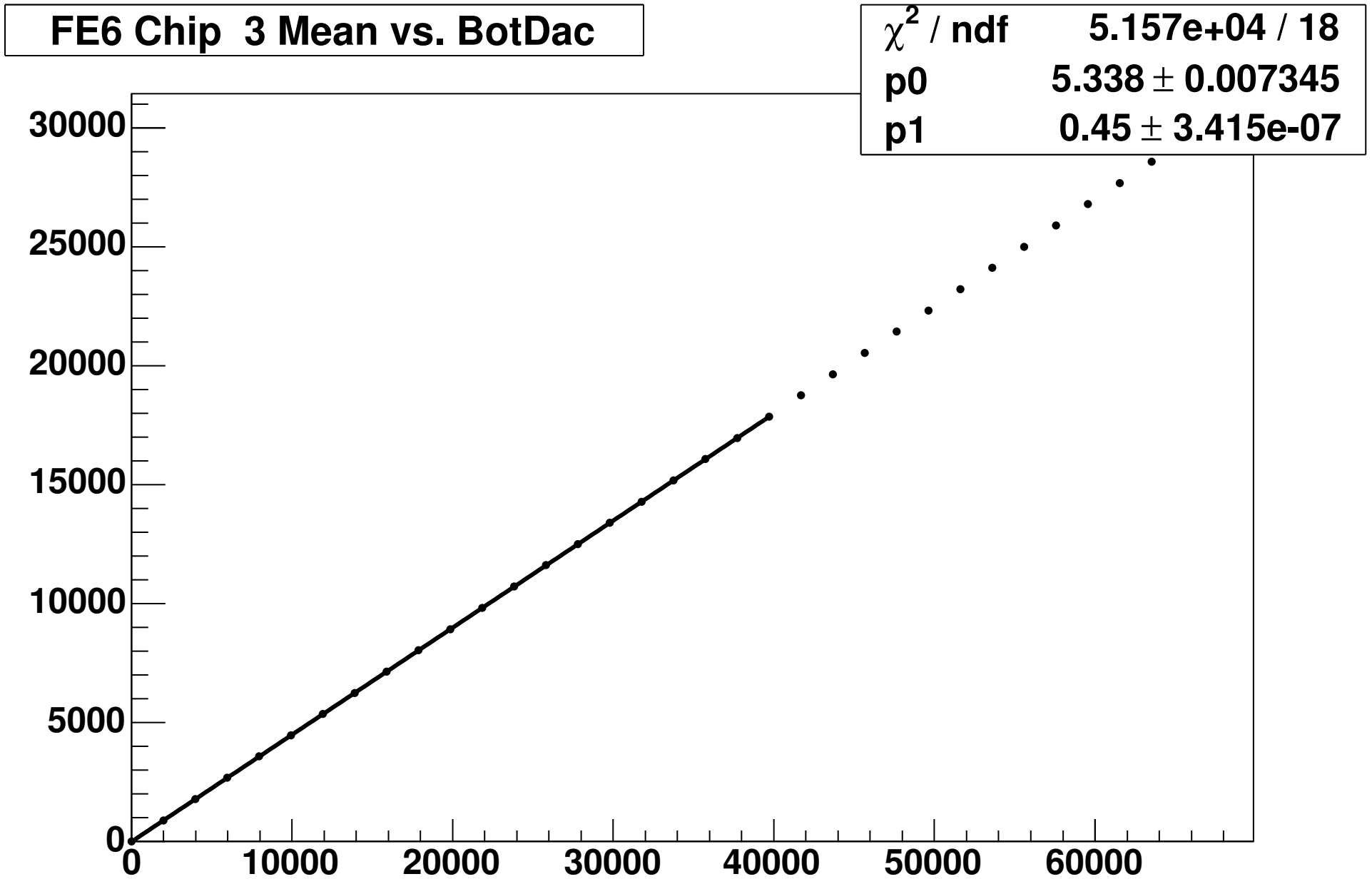
FE6 Chip 3 Mean vs. BotDac
χ^2 / ndf 5.157e+04 / 18
p0 5.338 ± 0.007345
p1 0.45 ± 3.415e-07
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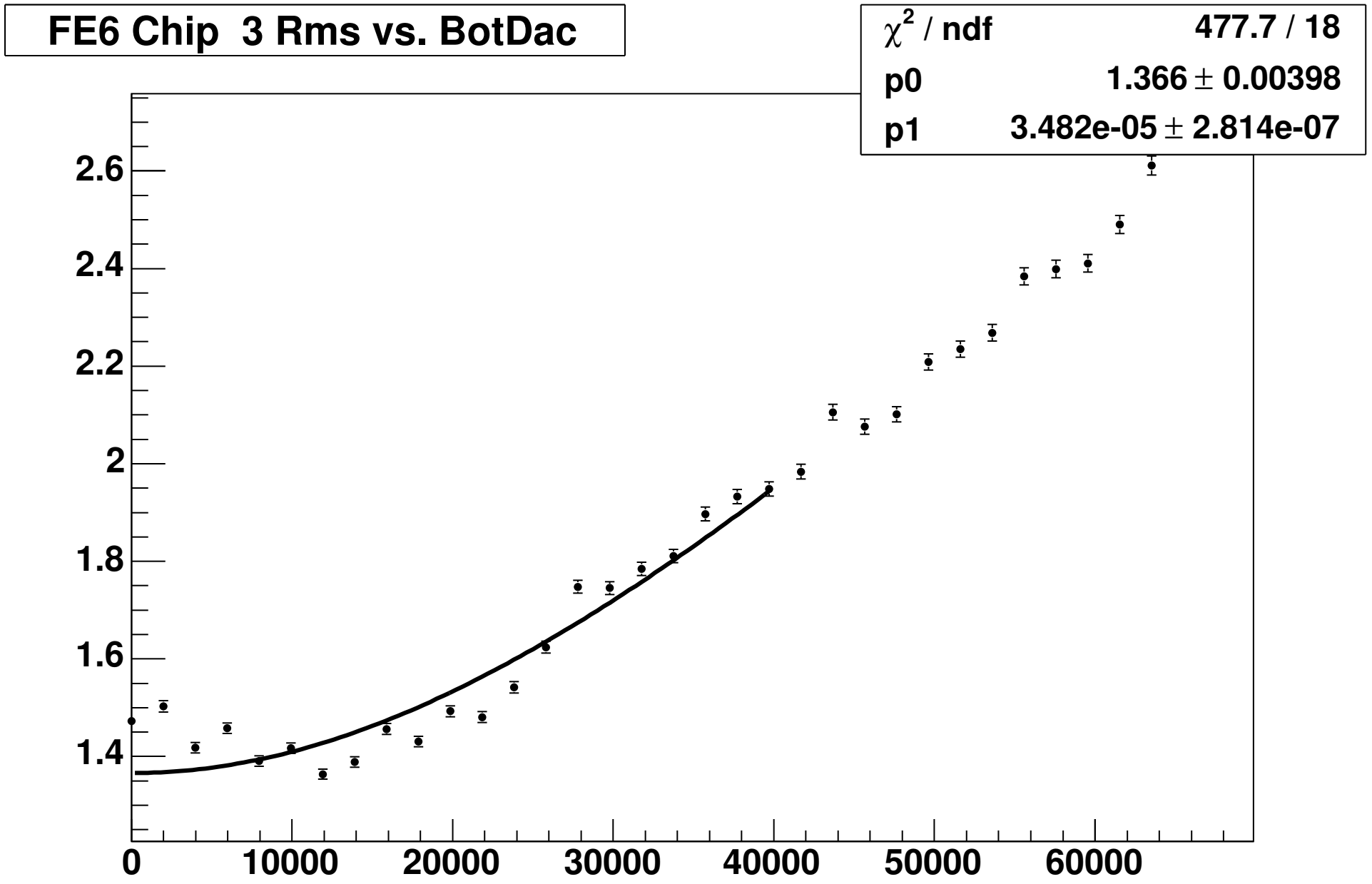
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 477.7 / 18
p0 1.366 ± 0.00398
p1 3.482e-05 ± 2.814e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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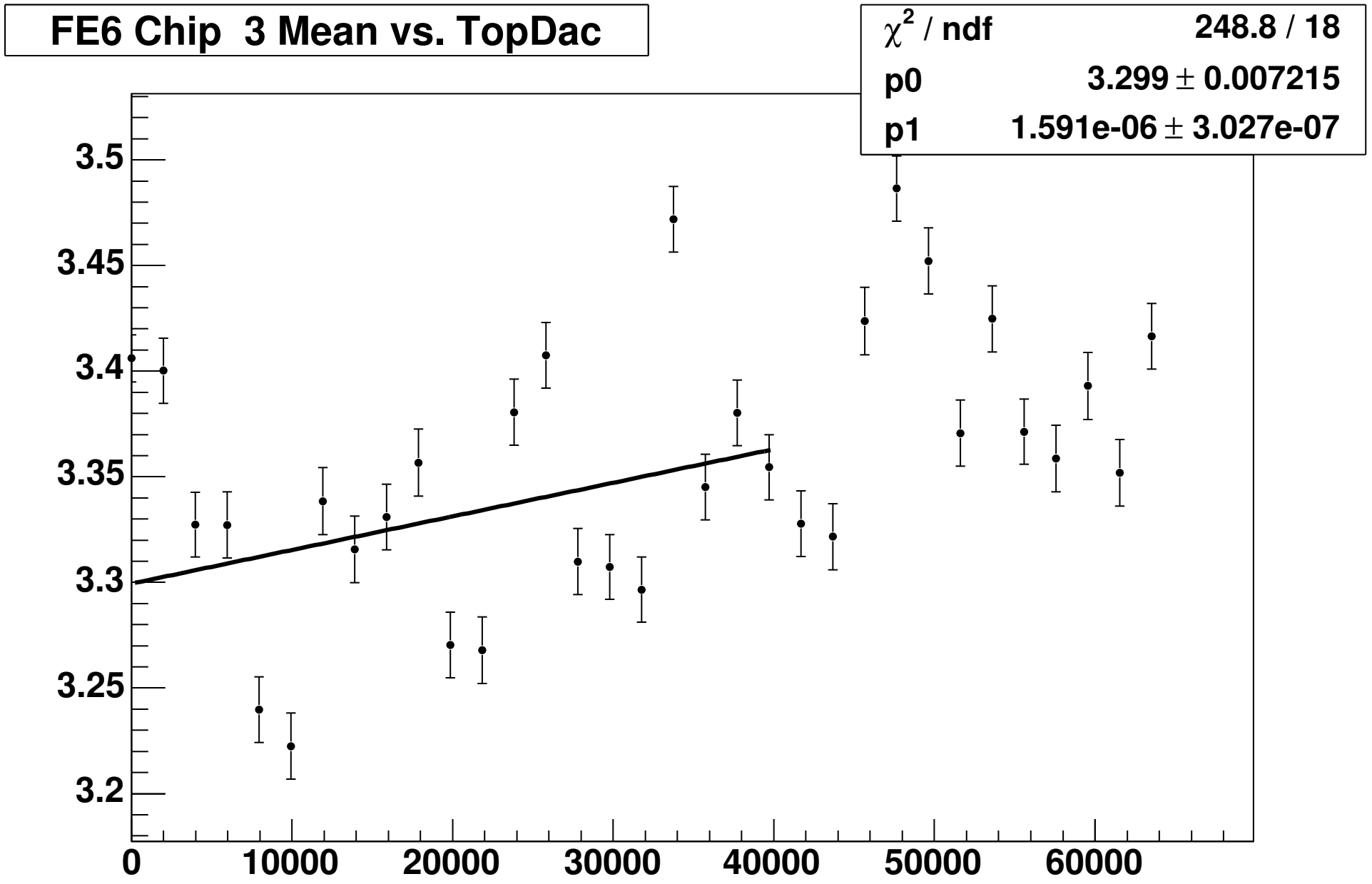
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 248.8 / 18
p0 3.299 ± 0.007215
p1 1.591e-06 ± 3.027e-07
3.5
3.45
3.4
3.35
3.3
3.25
3.2
0
10000
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40000
50000
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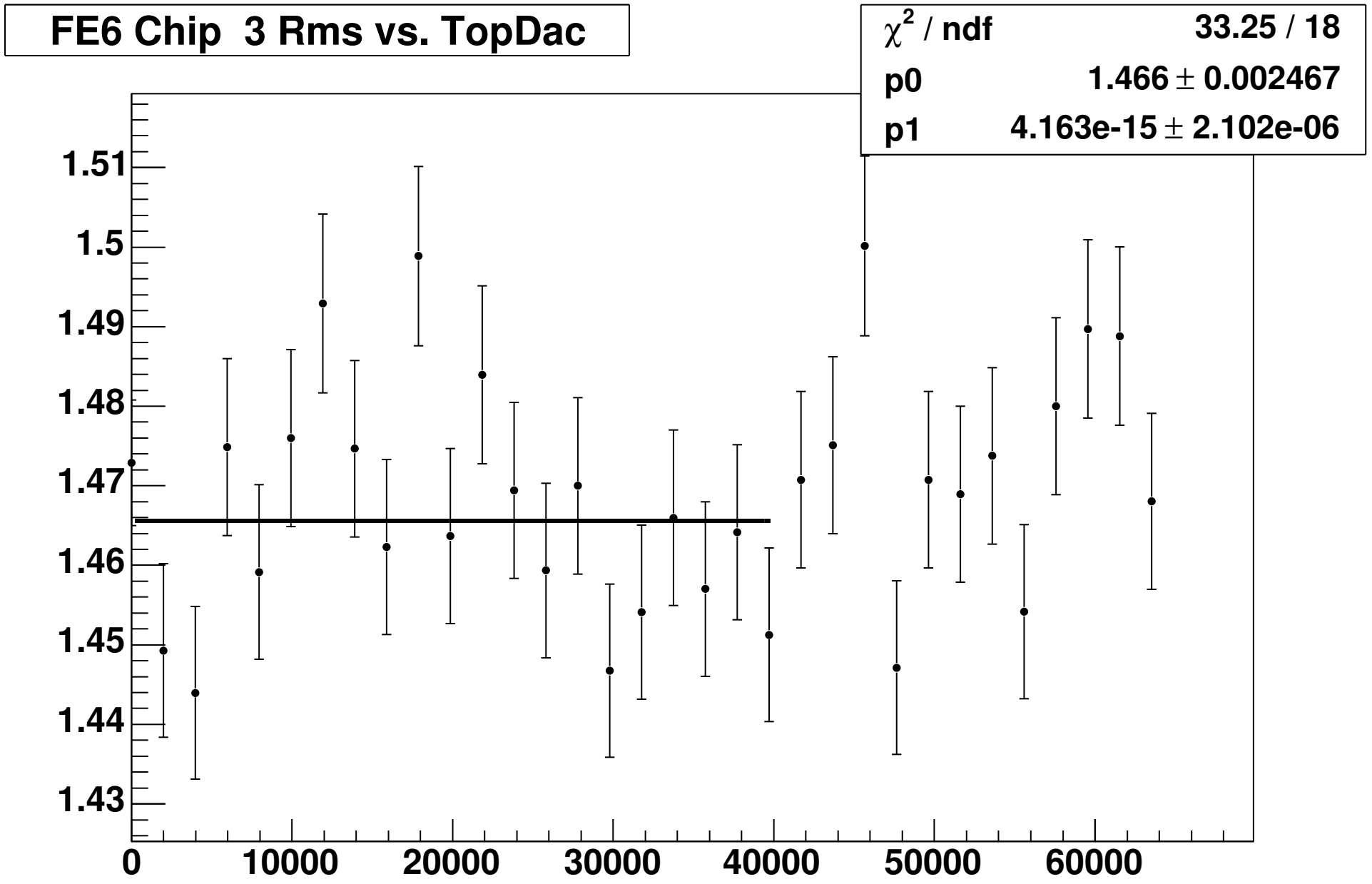
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 33.25 / 18
p0 1.466 ± 0.002467
p1 4.163e-15 ± 2.102e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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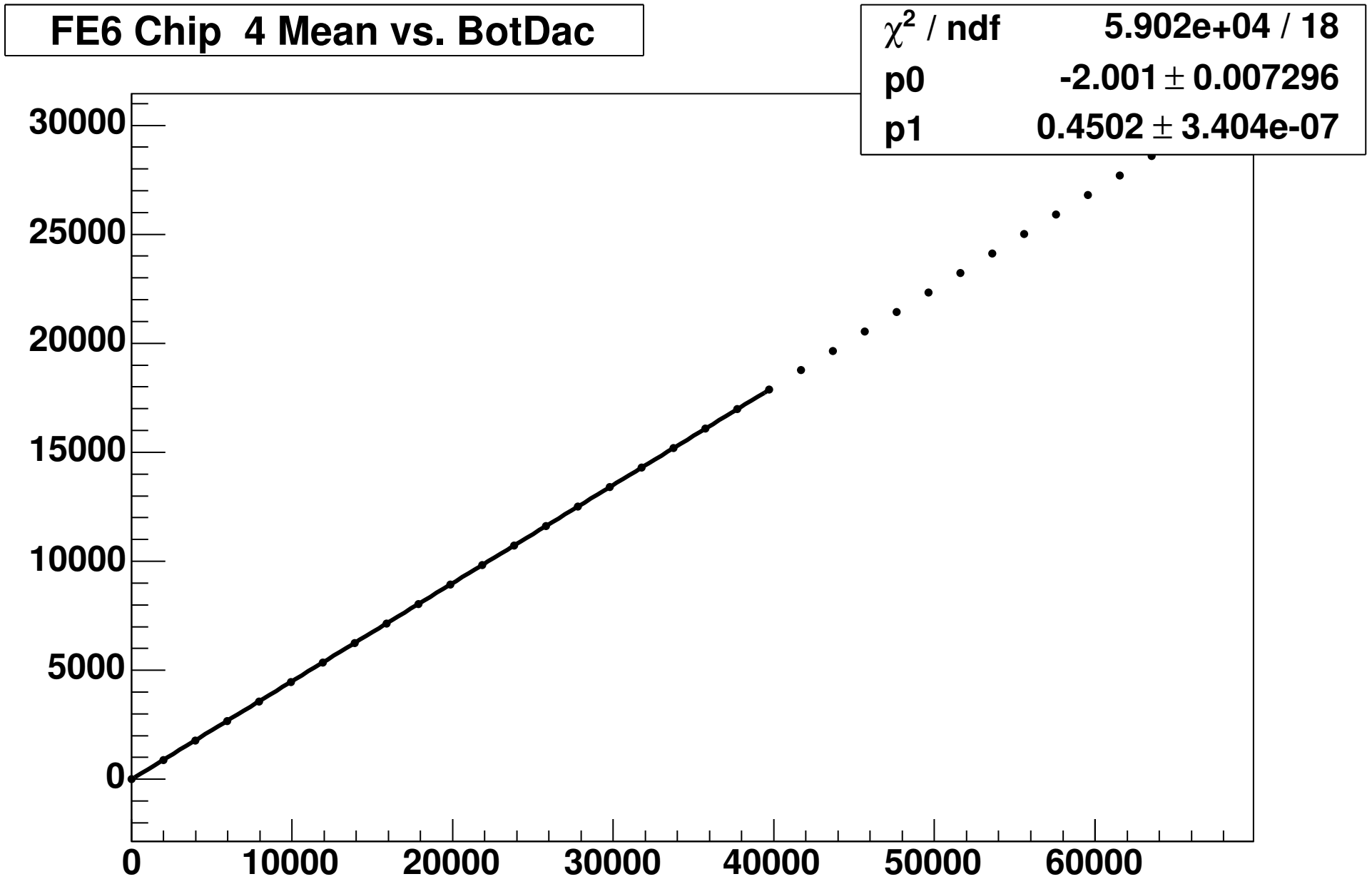
60000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 5.902e+04 / 18
p0 -2.001 ± 0.007296
p1 0.4502 ± 3.404e-07
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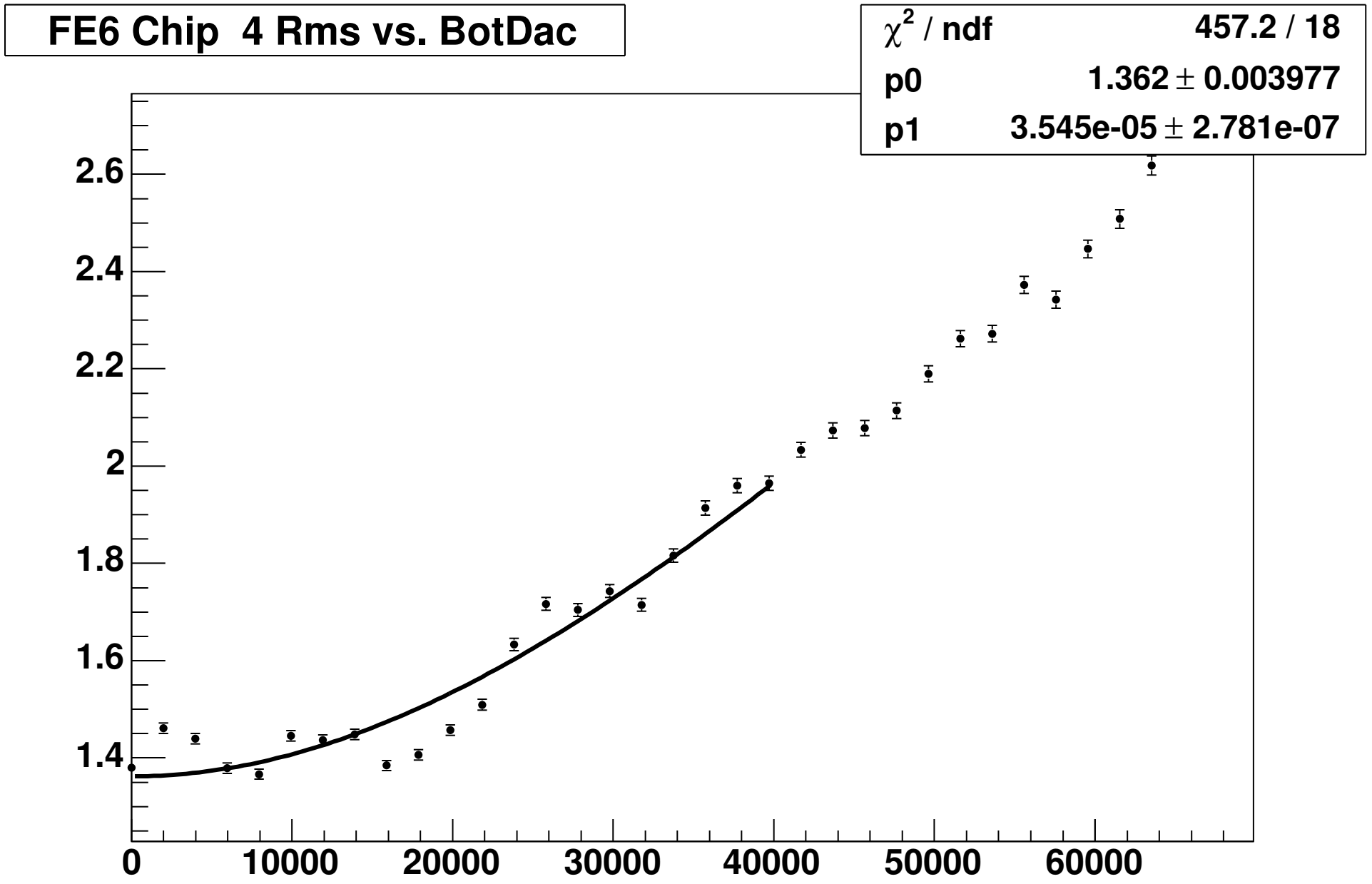
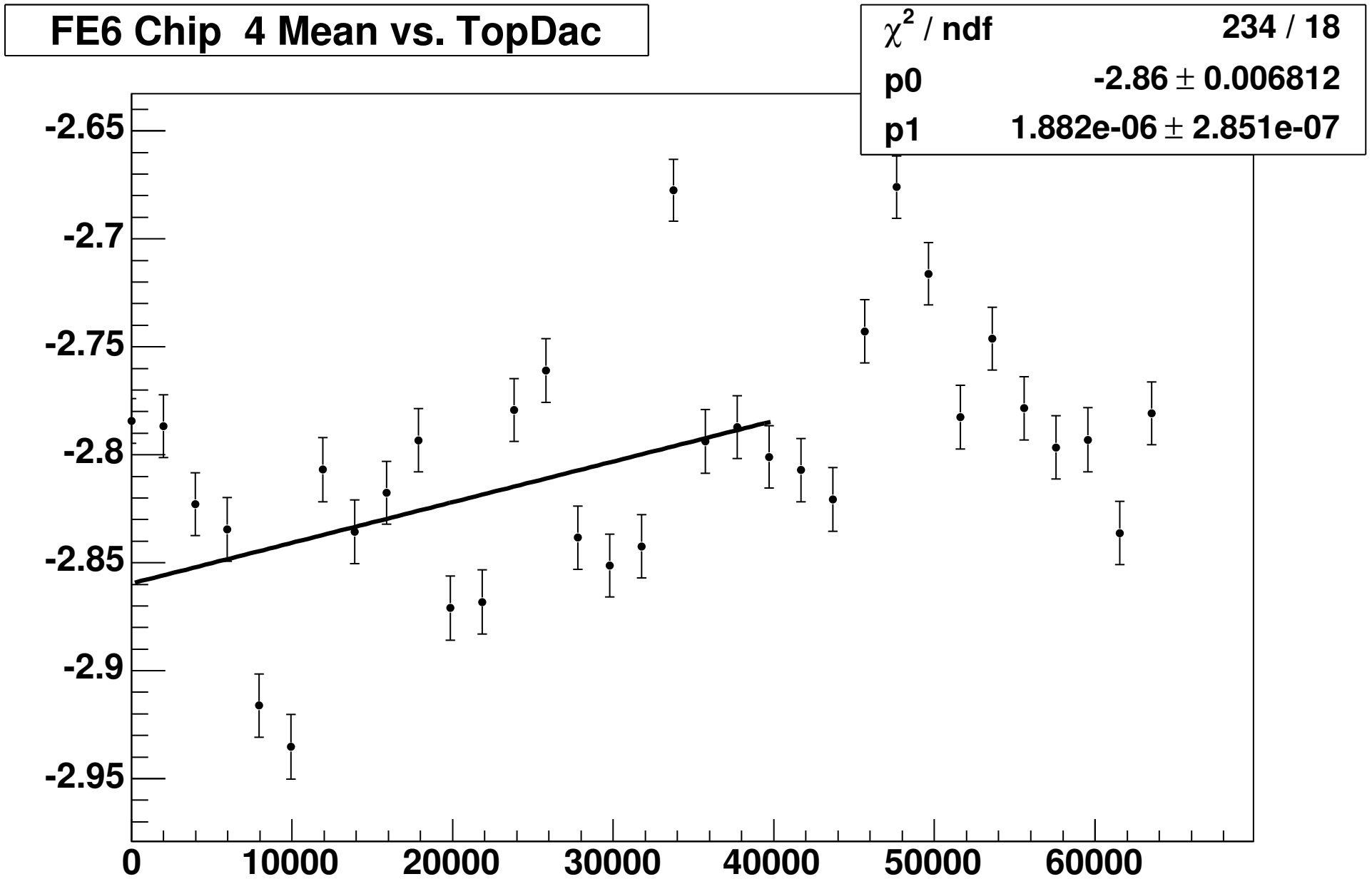
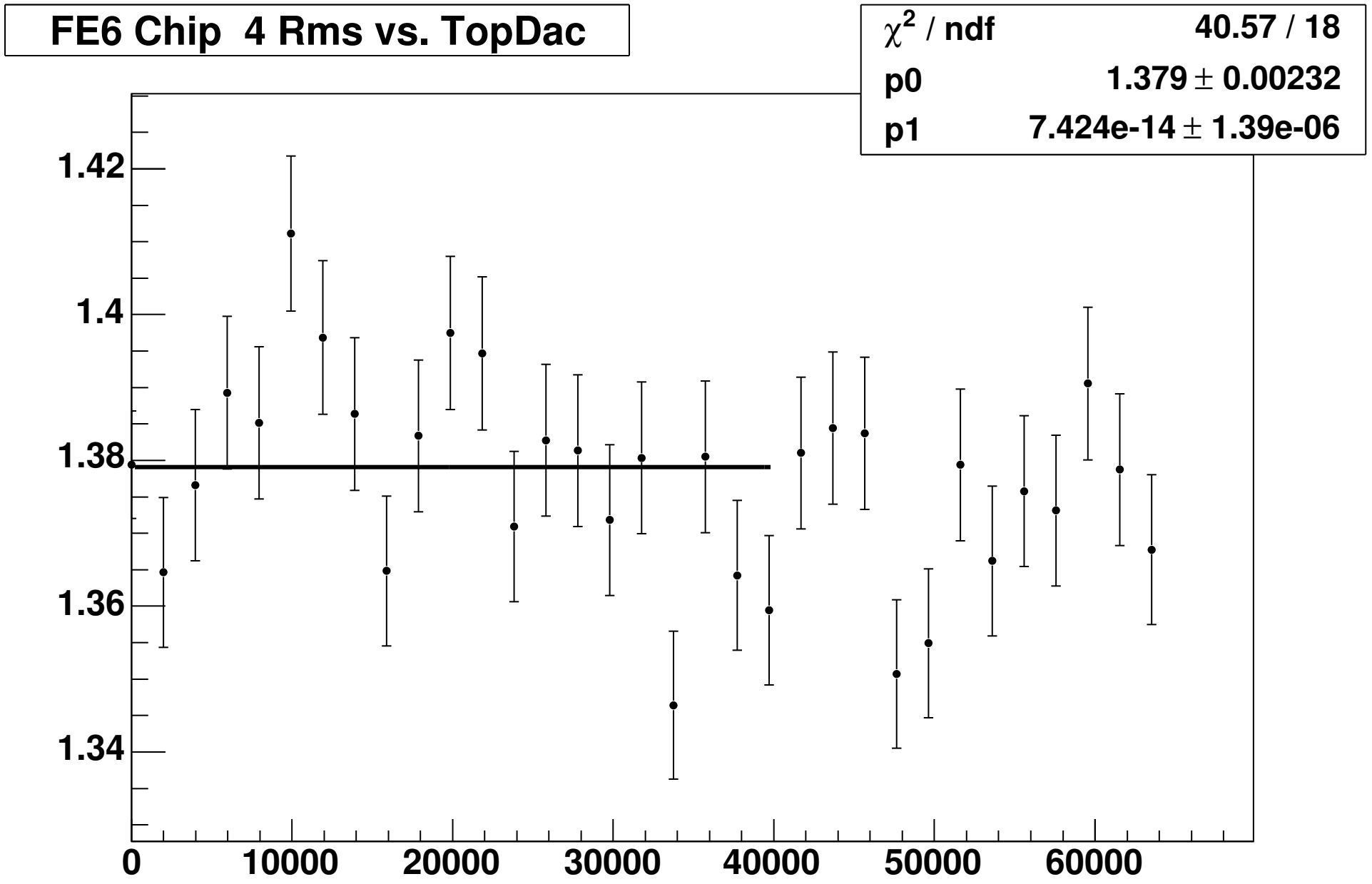
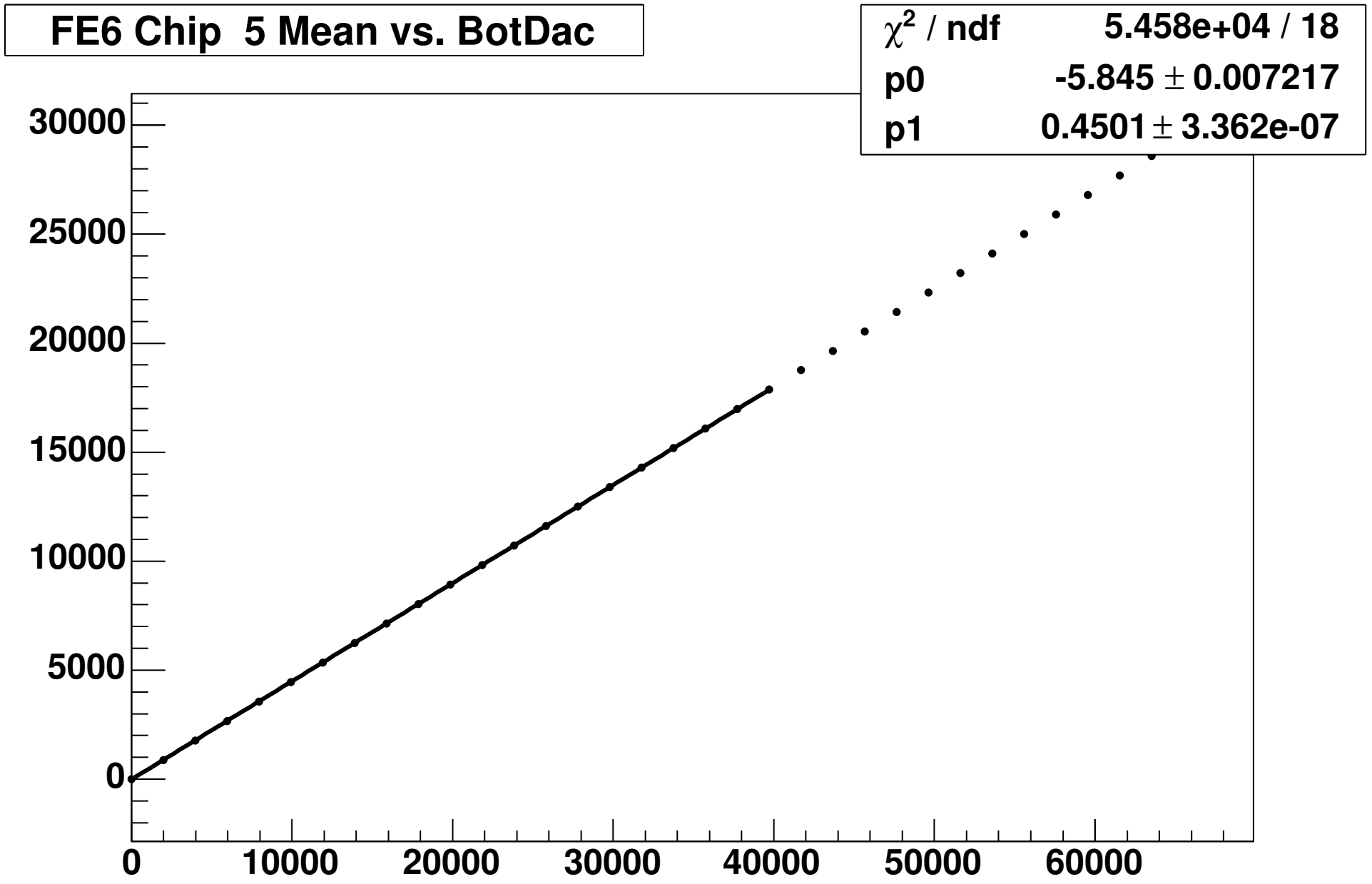
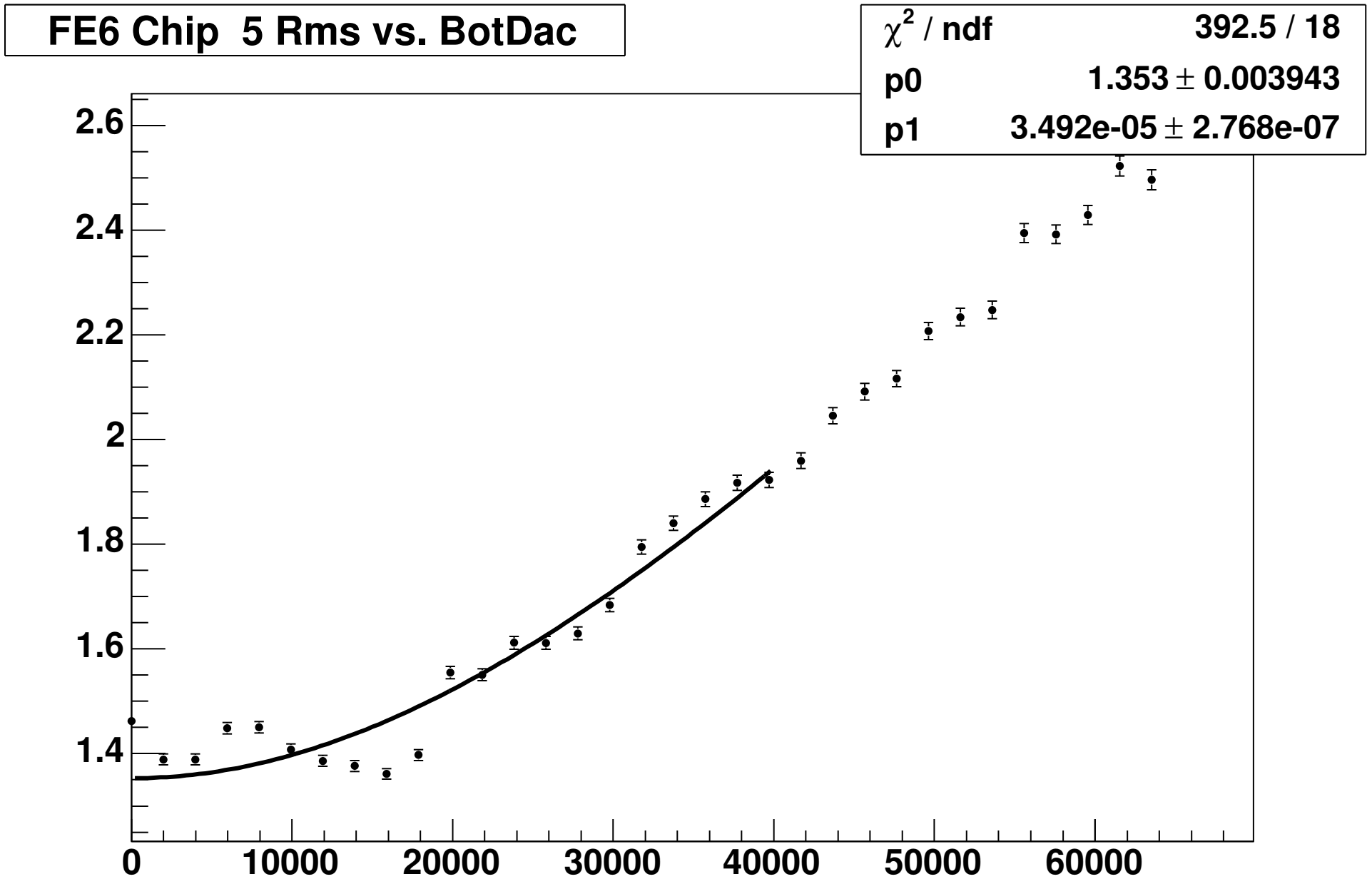
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

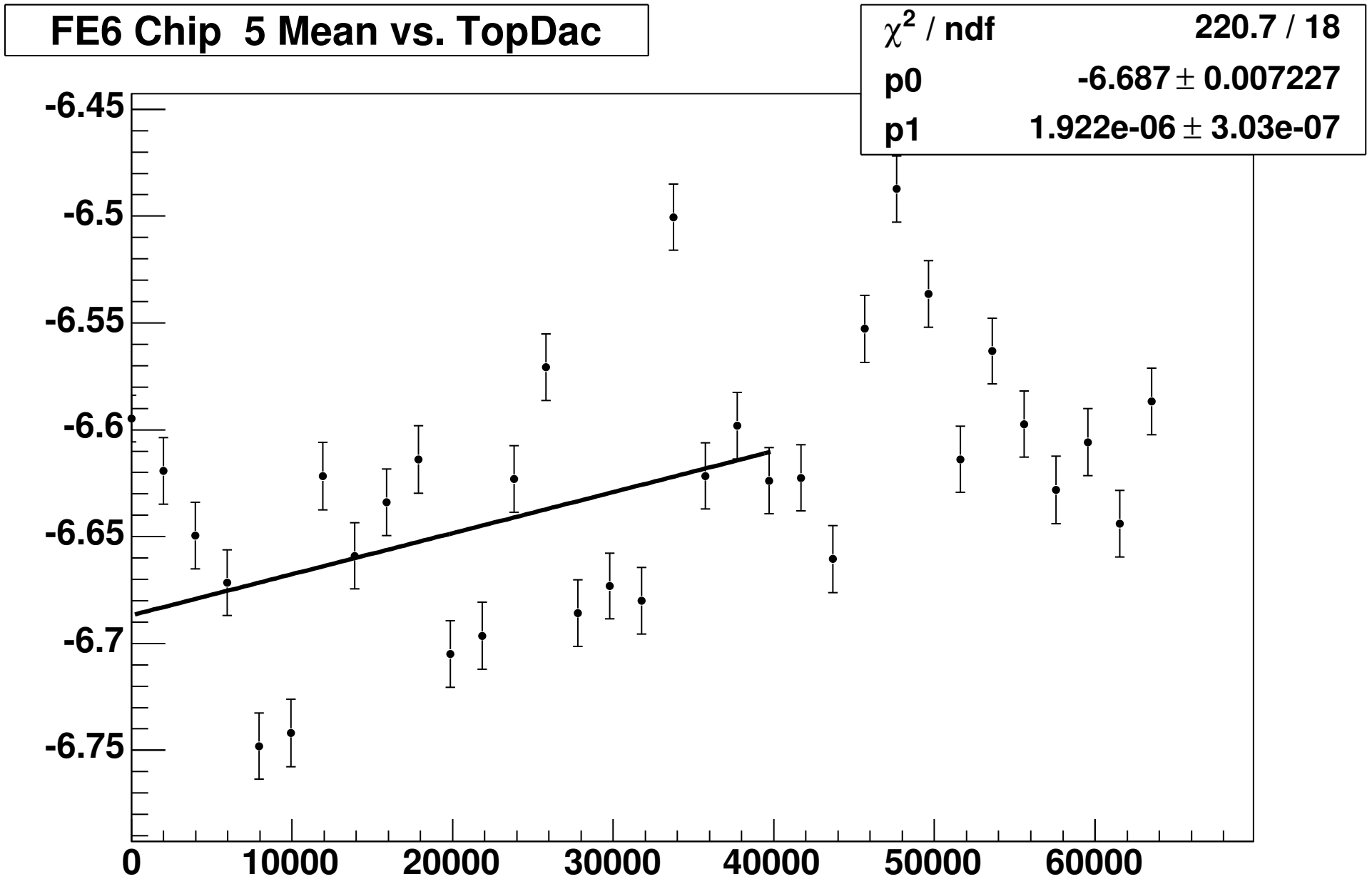

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 457.2 / 18
p0 1.362 ± 0.003977
p1 3.545e-05 ± 2.781e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

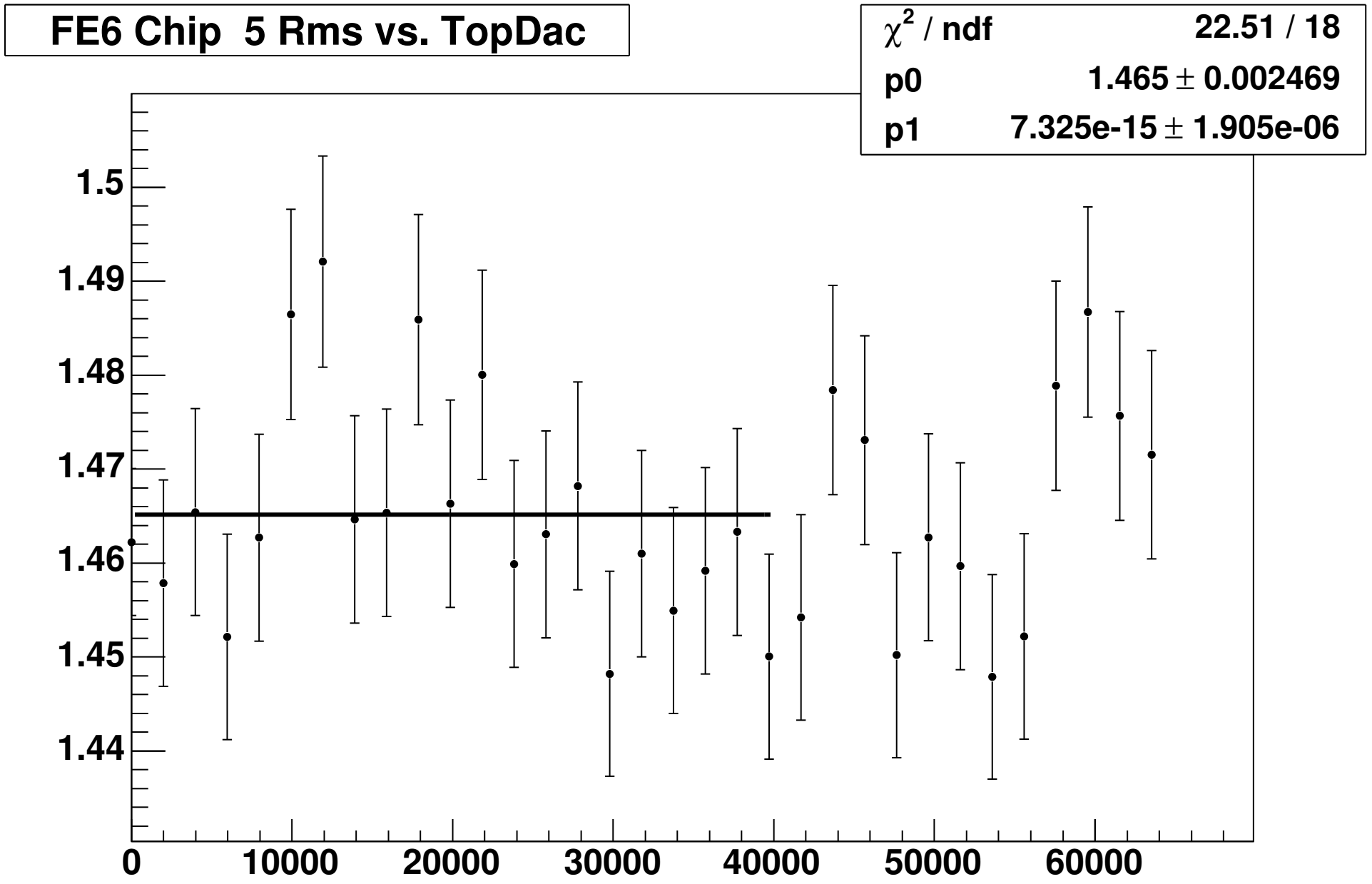

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 234 / 18
p0 -2.86 ± 0.006812
p1 1.882e-06 ± 2.851e-07
-2.65
-2.7
-2.75
-2.8
-2.85
-2.9
-2.95
0
10000
20000
30000
40000
50000
60000

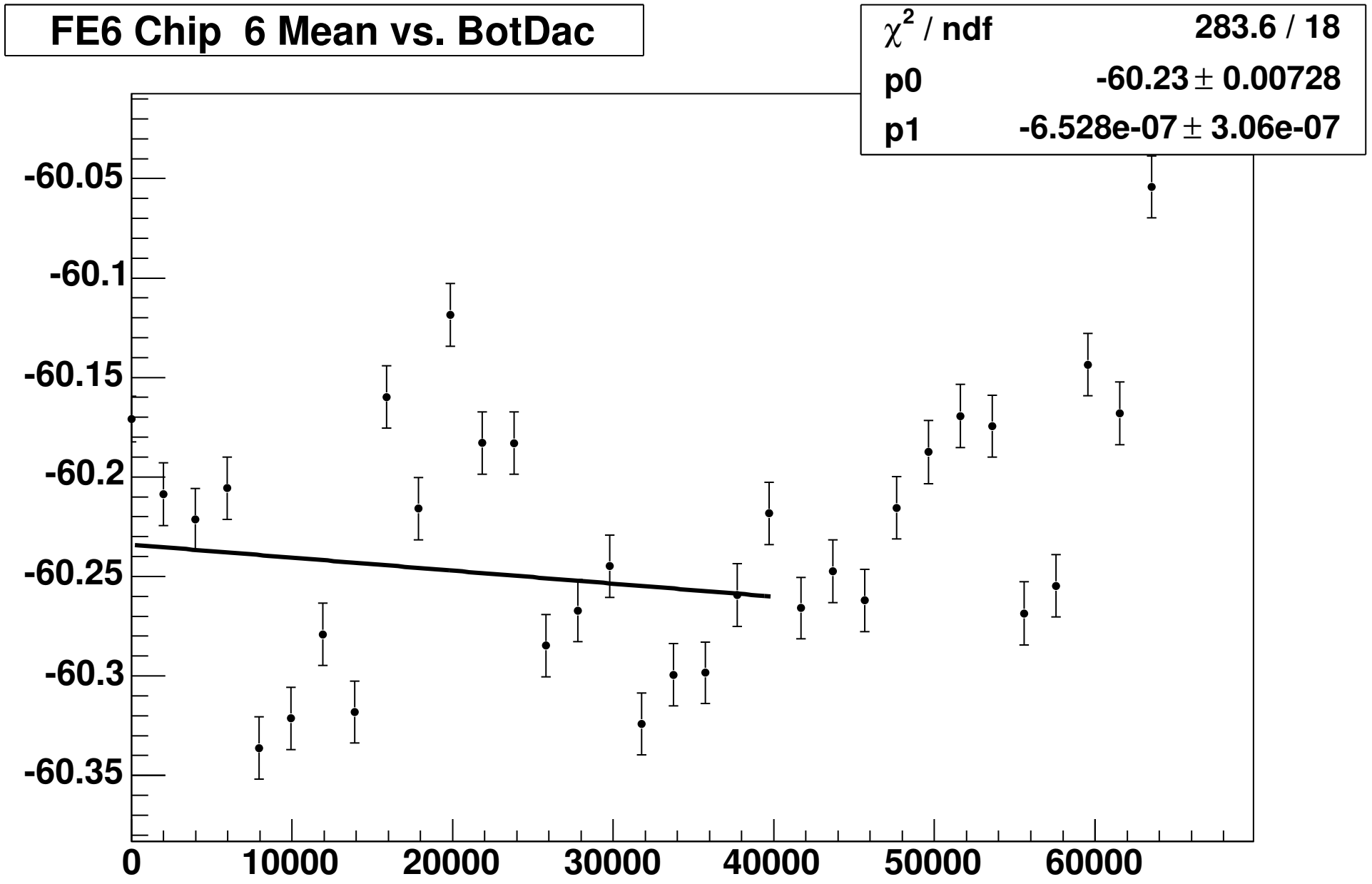

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 40.57 / 18
p0 1.379 ± 0.00232
p1 7.424e-14 ± 1.39e-06
1.42
1.4
1.38
1.36
1.34
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 5.458e+04 / 18
p0 -5.845 ± 0.007217
p1 0.4501 ± 3.362e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 392.5 / 18
p0 1.353 ± 0.003943
p1 3.492e-05 ± 2.768e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 220.7 / 18
p0 -6.687 ± 0.007227
p1 1.922e-06 ± 3.03e-07
-6.45
-6.5
-6.55
-6.6
-6.65
-6.7
-6.75
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 22.51 / 18
p0 1.465 ± 0.002469
p1 7.325e-15 ± 1.905e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 283.6 / 18
p0 -60.23 ± 0.00728
p1 -6.528e-07 ± 3.06e-07
-60.05
-60.1
-60.15
-60.2
-60.25
-60.3
-60.35
0
10000
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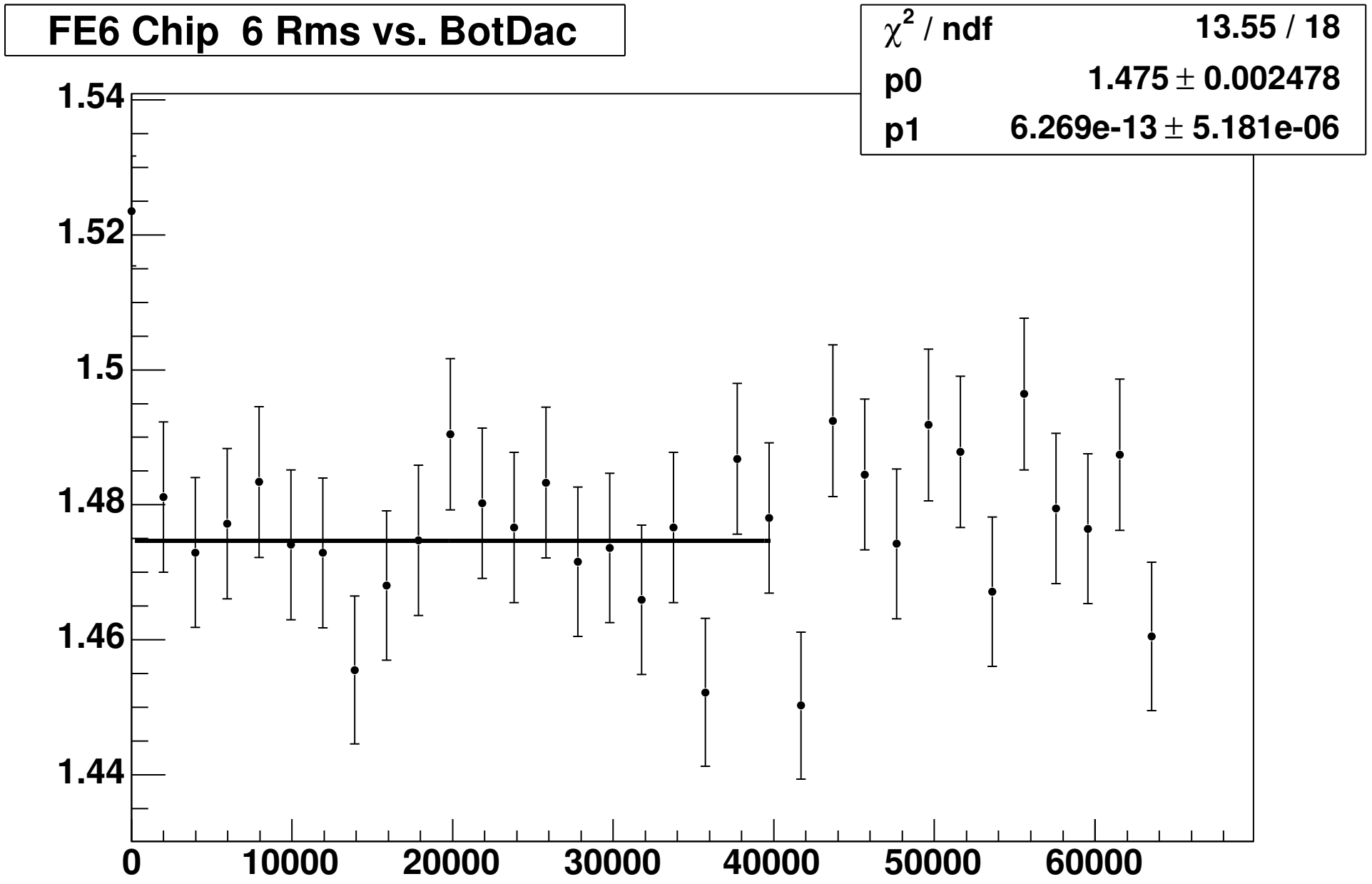
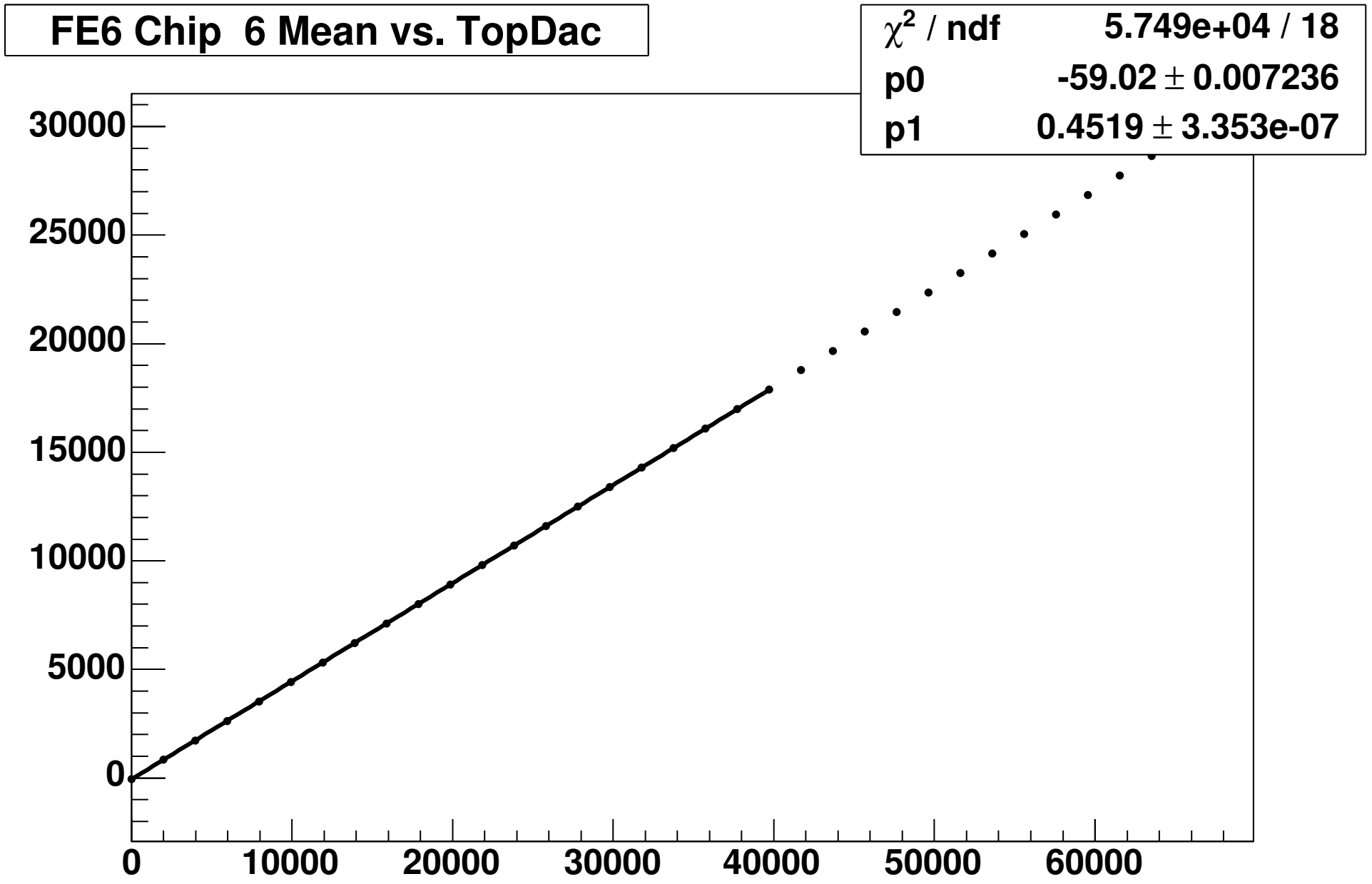
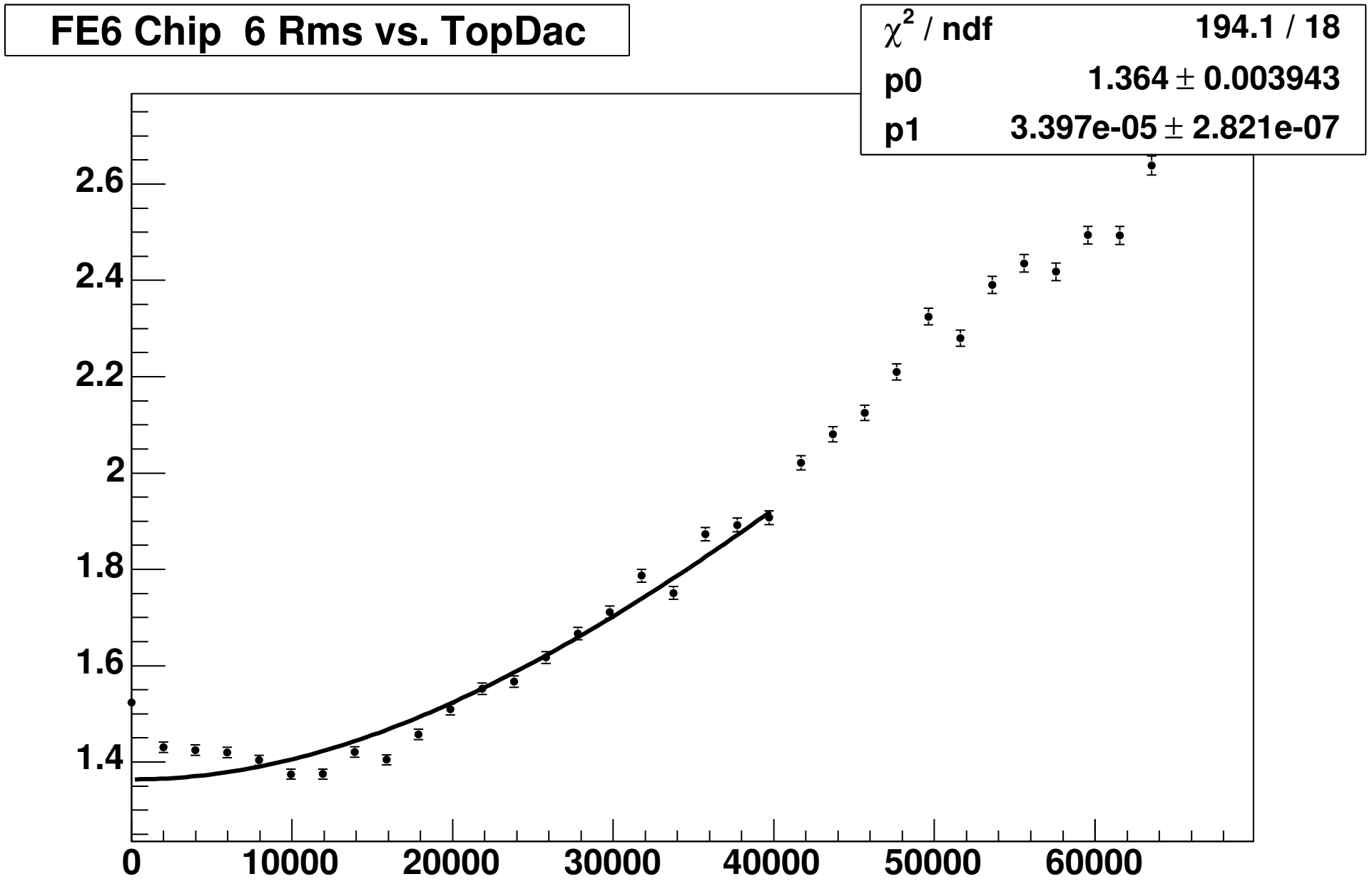
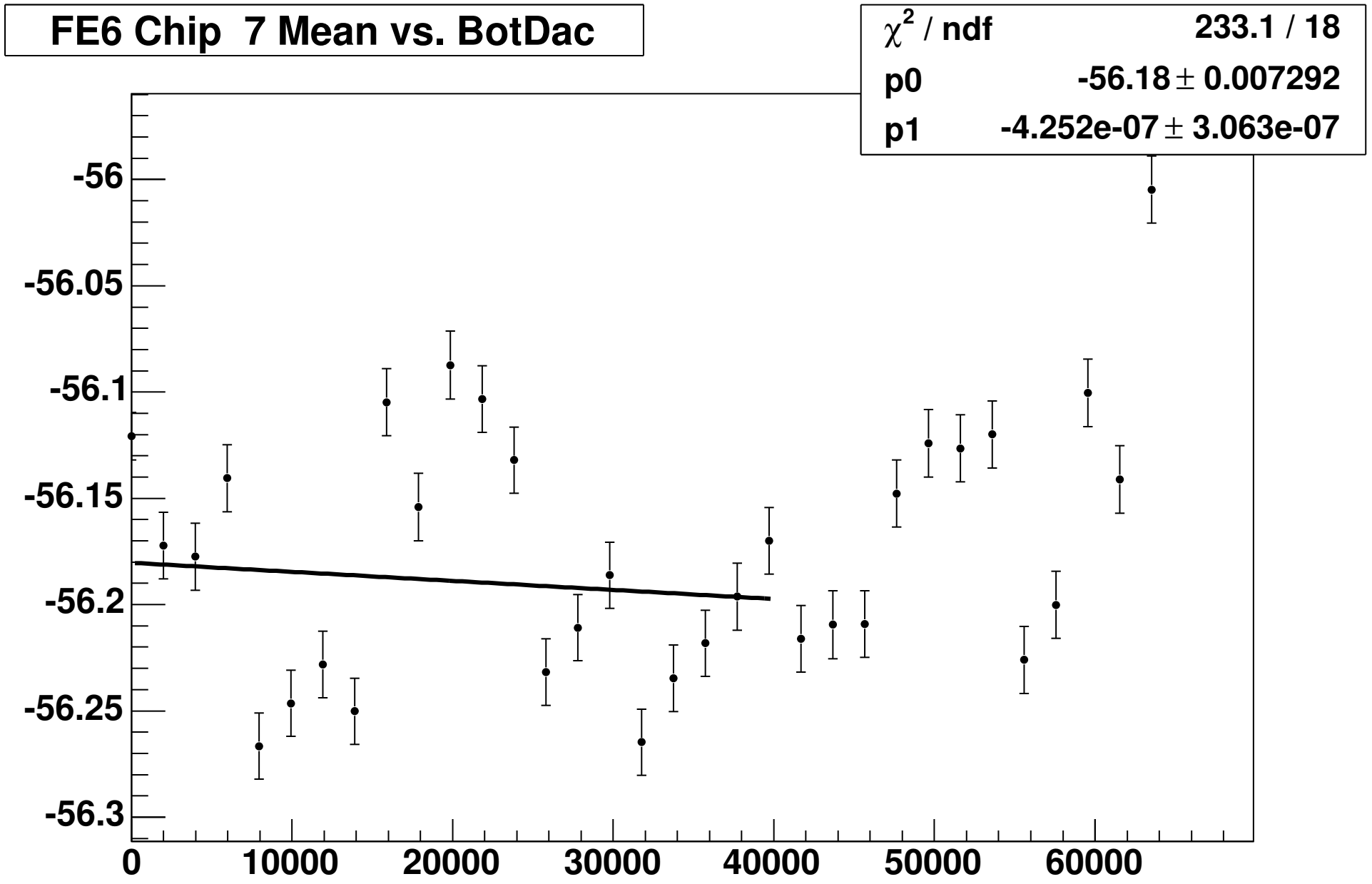
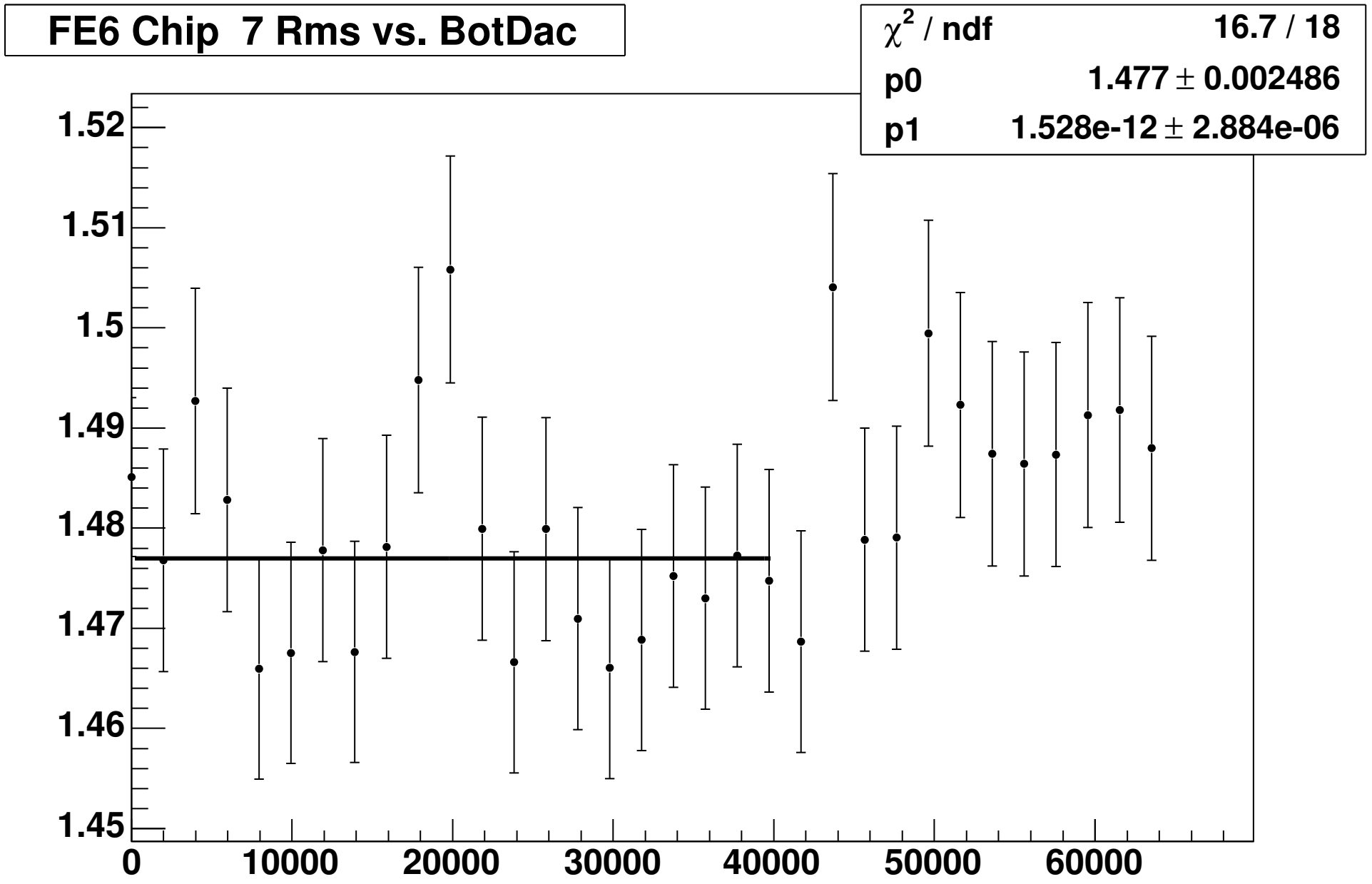
30000
40000
50000
60000

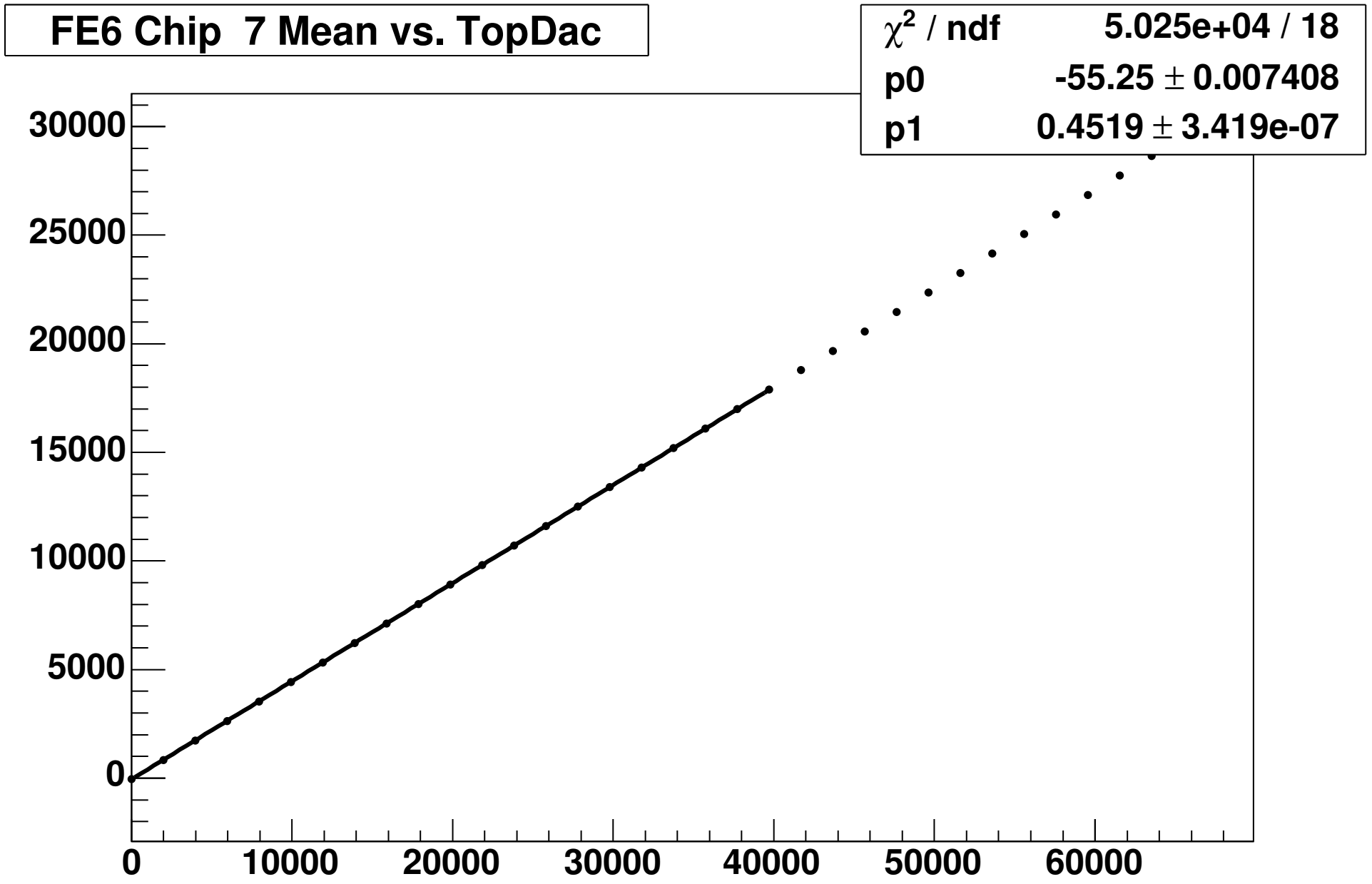

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 13.55 / 18
p0 1.475 ± 0.002478
p1 6.269e-13 ± 5.181e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 5.749e+04 / 18
p0 -59.02 ± 0.007236
p1 0.4519 ± 3.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Rms vs. TopDac
χ^2 / ndf 194.1 / 18
p0 1.364 ± 0.003943
p1 3.397e-05 ± 2.821e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 233.1 / 18
p0 -56.18 ± 0.007292
p1 -4.252e-07 ± 3.063e-07
-56
-56.05
-56.1
-56.15
-56.2
-56.25
-56.3
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 16.7 / 18
p0 1.477 ± 0.002486
p1 1.528e-12 ± 2.884e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 5.025e+04 / 18
p0 -55.25 ± 0.007408
p1 0.4519 ± 3.419e-07
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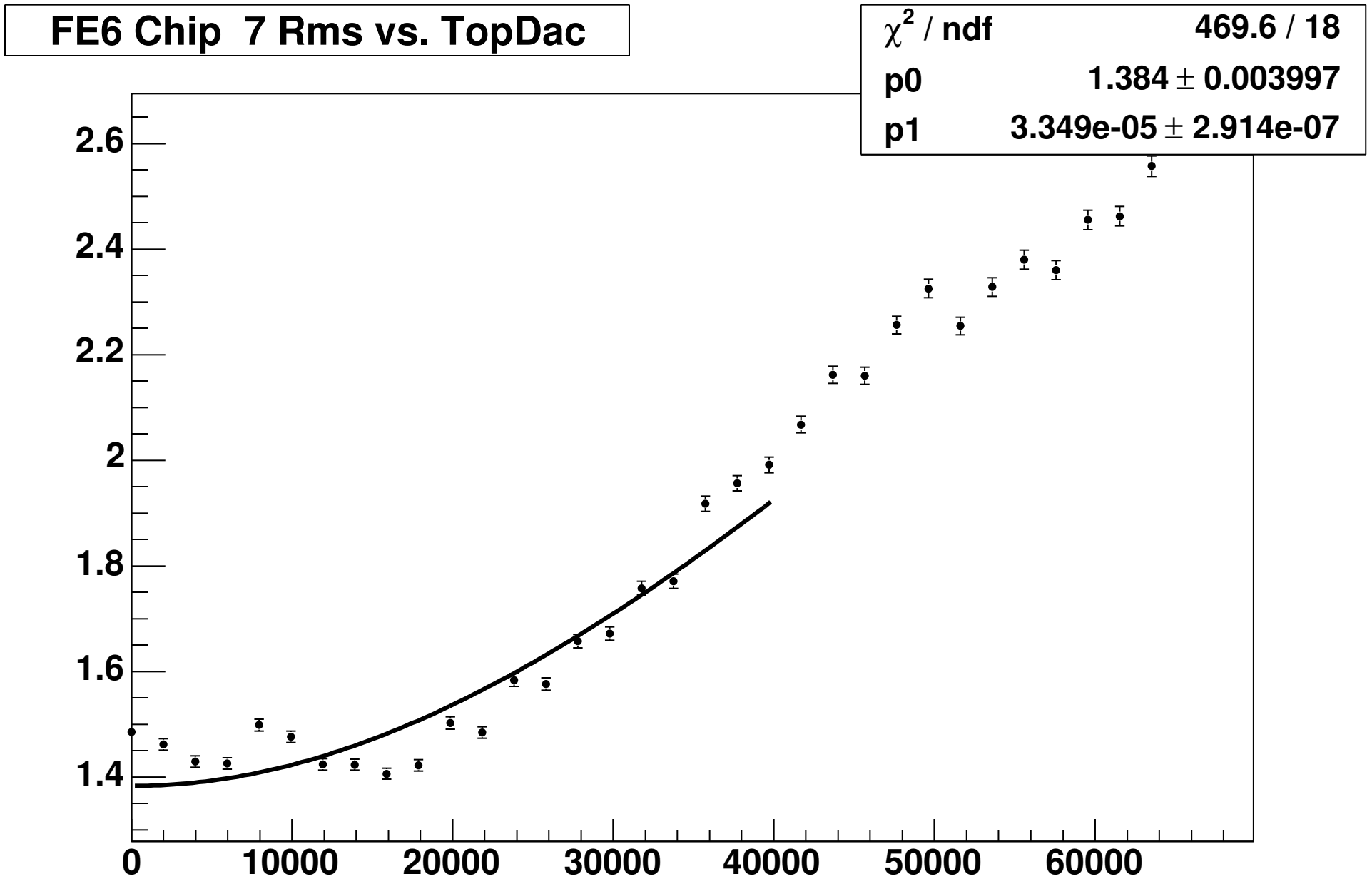
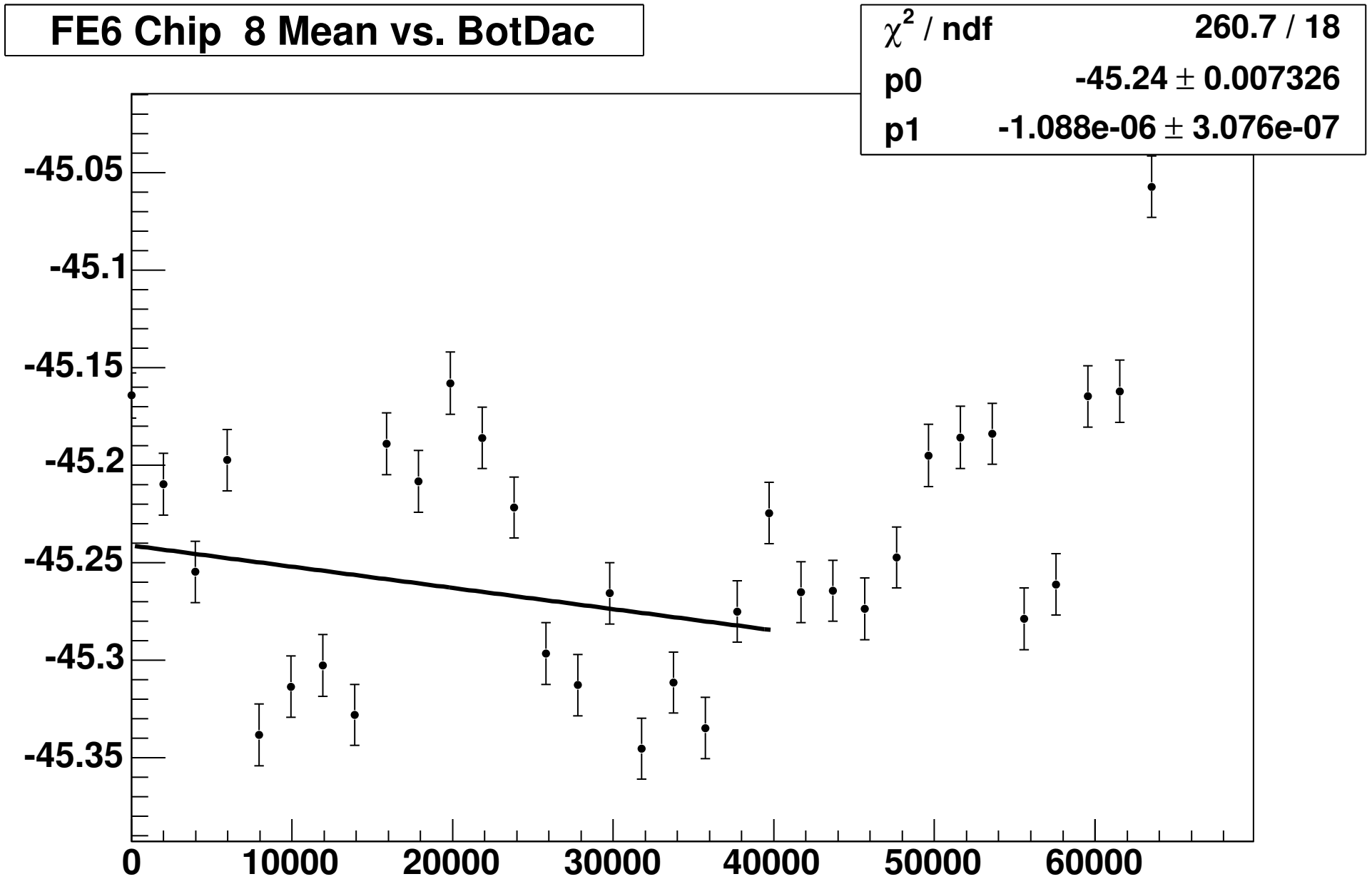
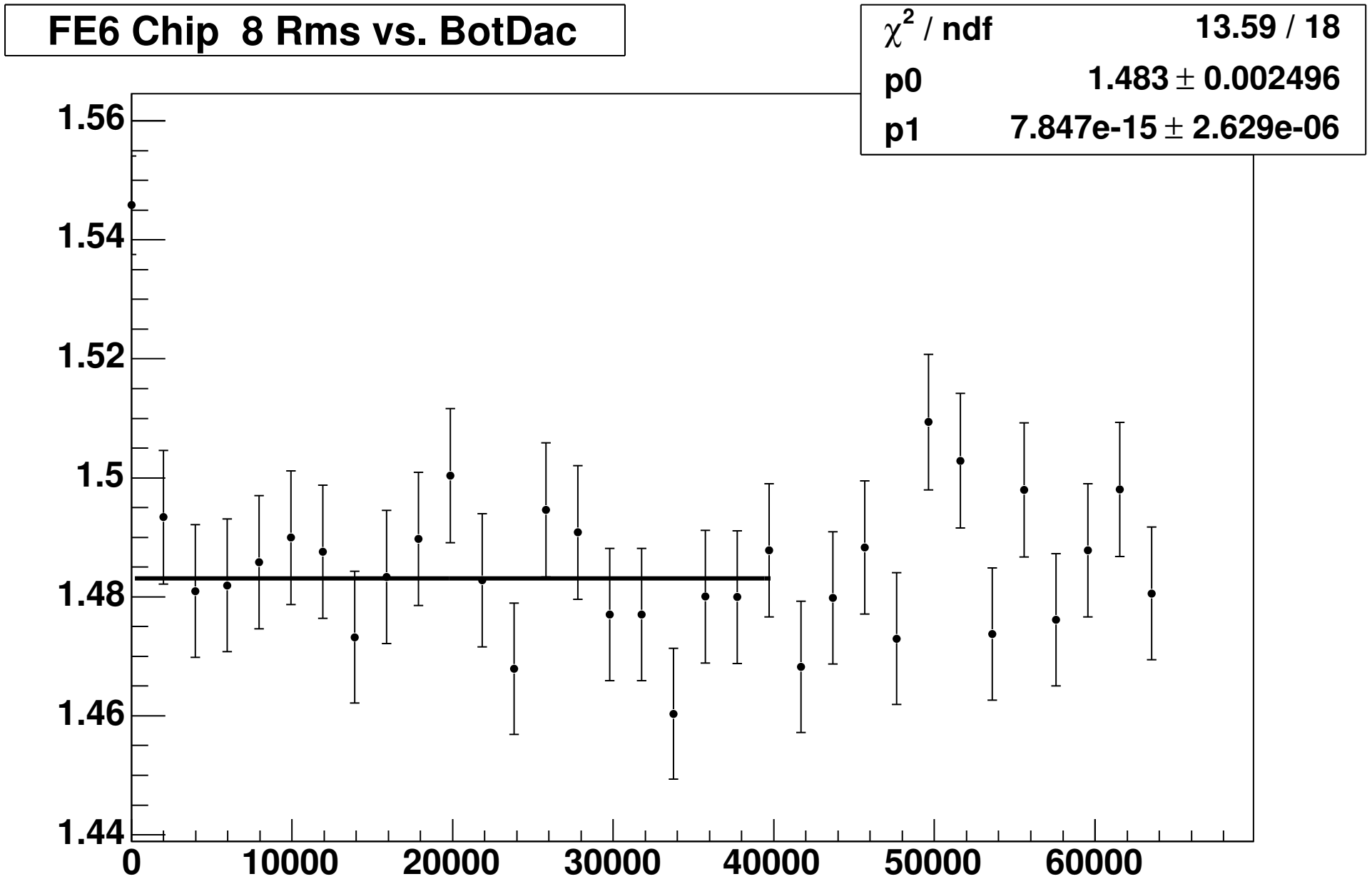
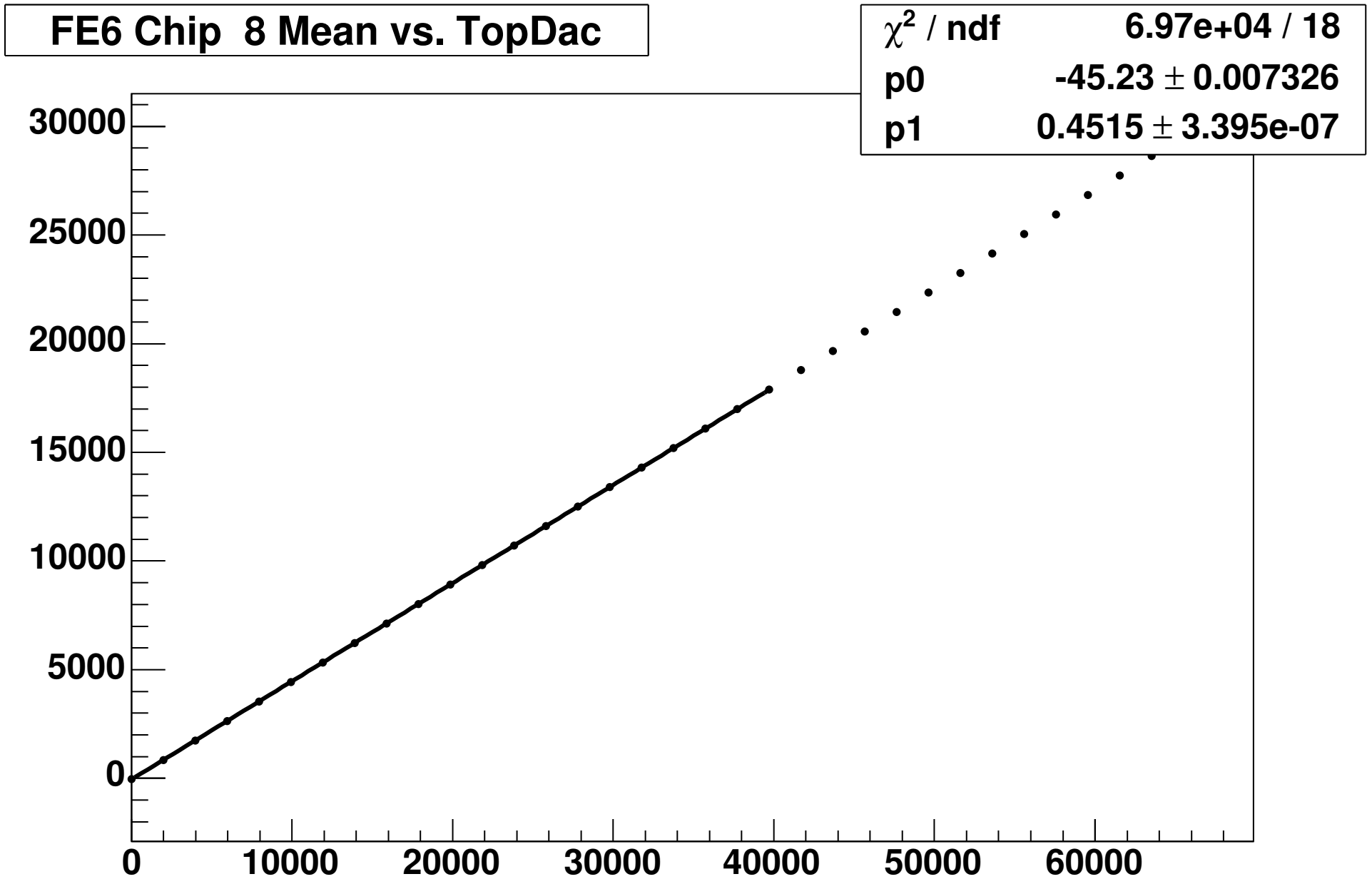
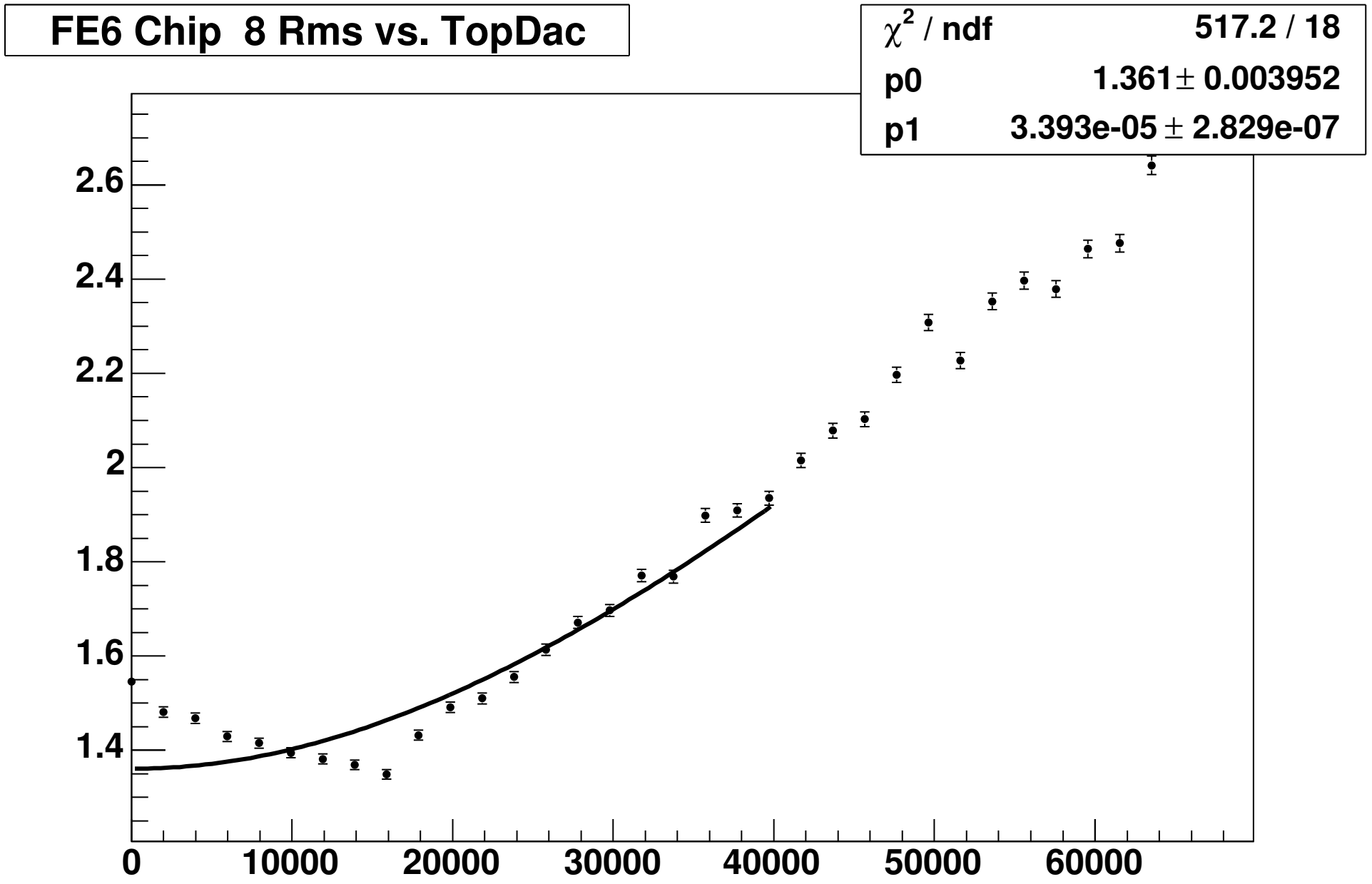
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

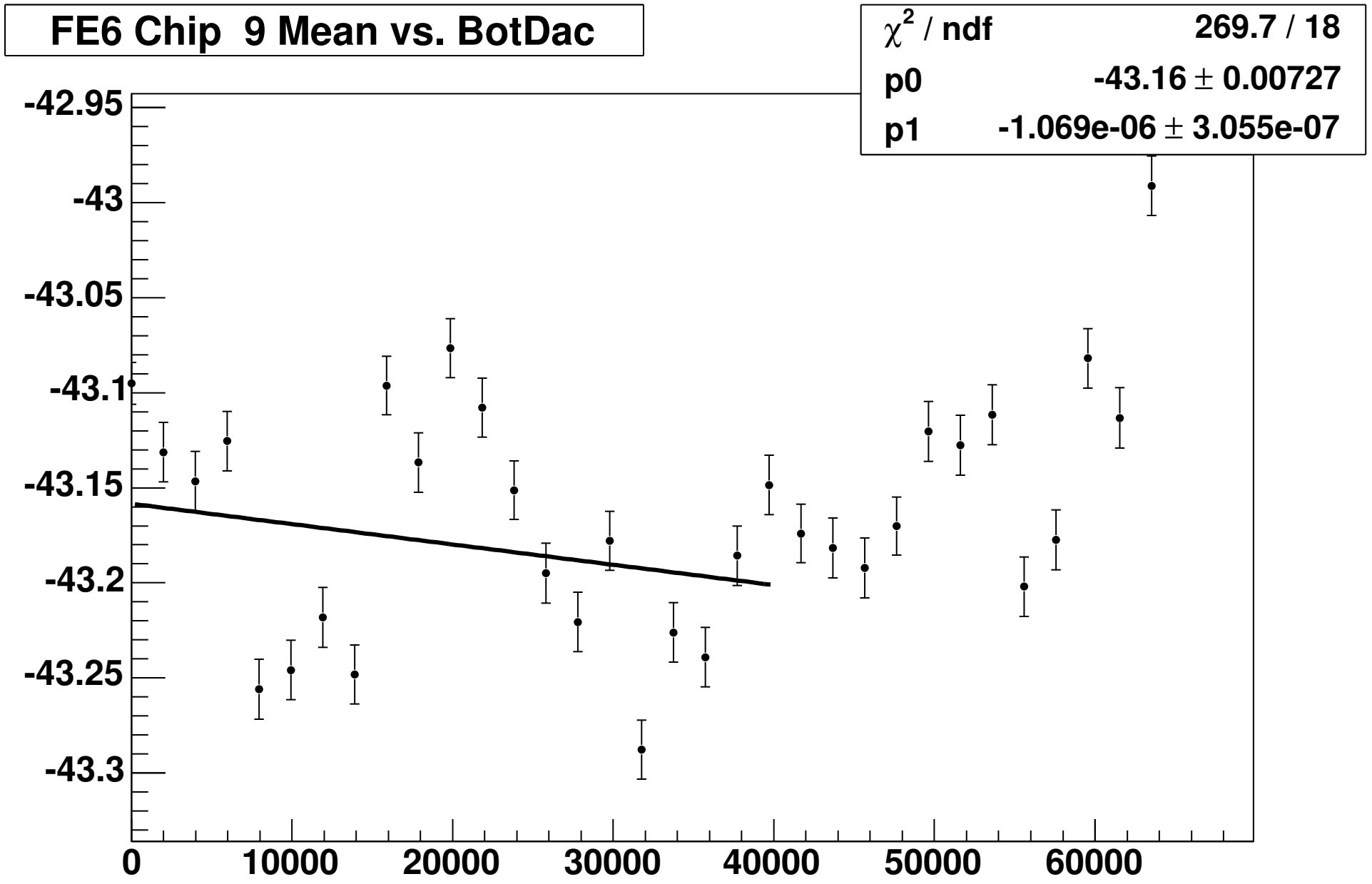

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 469.6 / 18
p0 1.384 ± 0.003997
p1 3.349e-05 ± 2.914e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

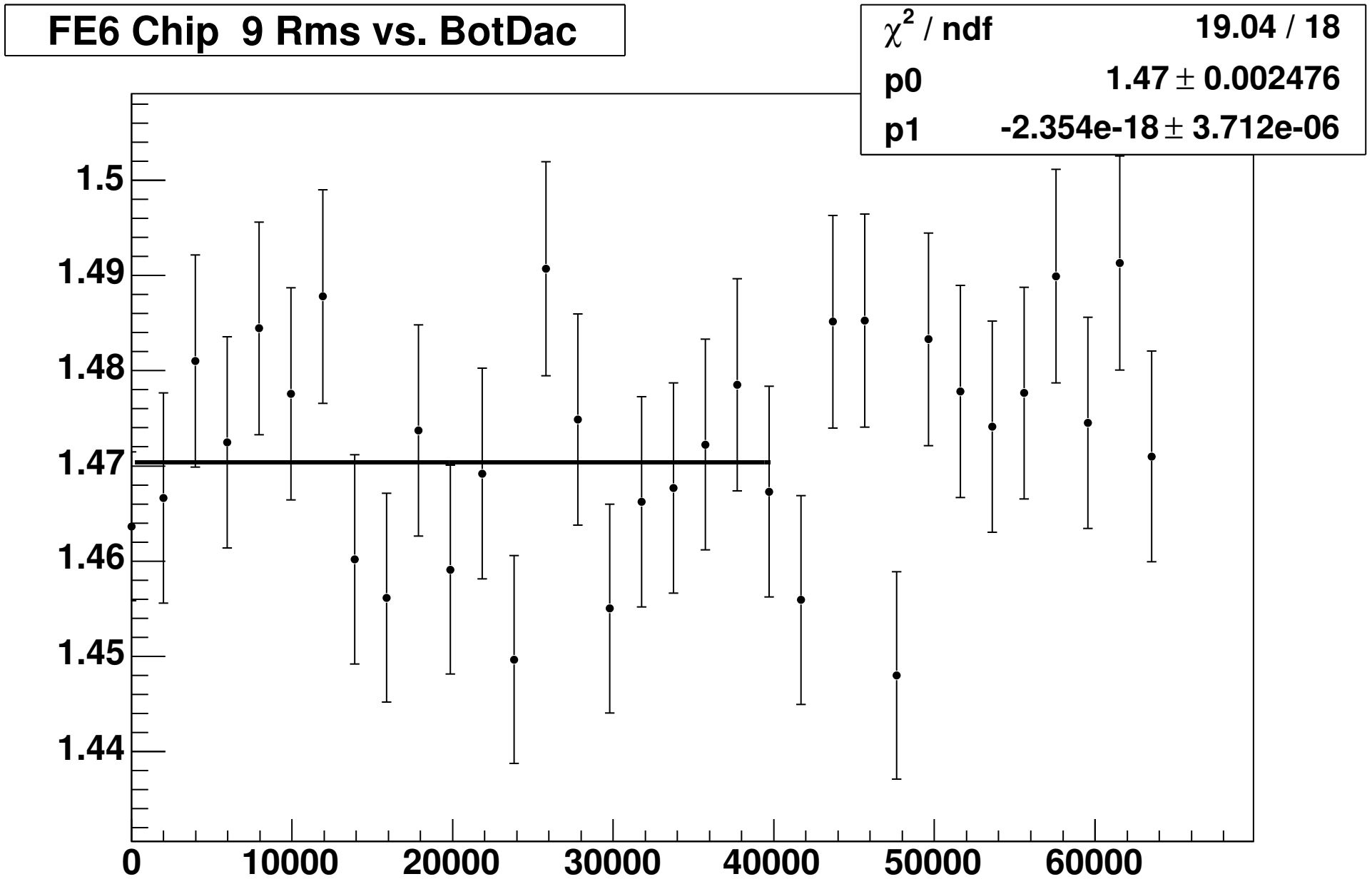

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 260.7 / 18
p0 -45.24 ± 0.007326
p1 -1.088e-06 ± 3.076e-07
-45.05
-45.1
-45.15
-45.2
-45.25
-45.3
-45.35
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 13.59 / 18
p0 1.483 ± 0.002496
p1 7.847e-15 ± 2.629e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 6.97e+04 / 18
p0 -45.23 ± 0.007326
p1 0.4515 ± 3.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 517.2 / 18
p0 1.361 ± 0.003952
p1 3.393e-05 ± 2.829e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 269.7 / 18
p0 -43.16 ± 0.00727
p1 -1.069e-06 ± 3.055e-07
-42.95
-43
-43.05
-43.1
-43.15
-43.2
-43.25
-43.3
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 19.04 / 18
p0 1.47 ± 0.002476
p1 -2.354e-18 ± 3.712e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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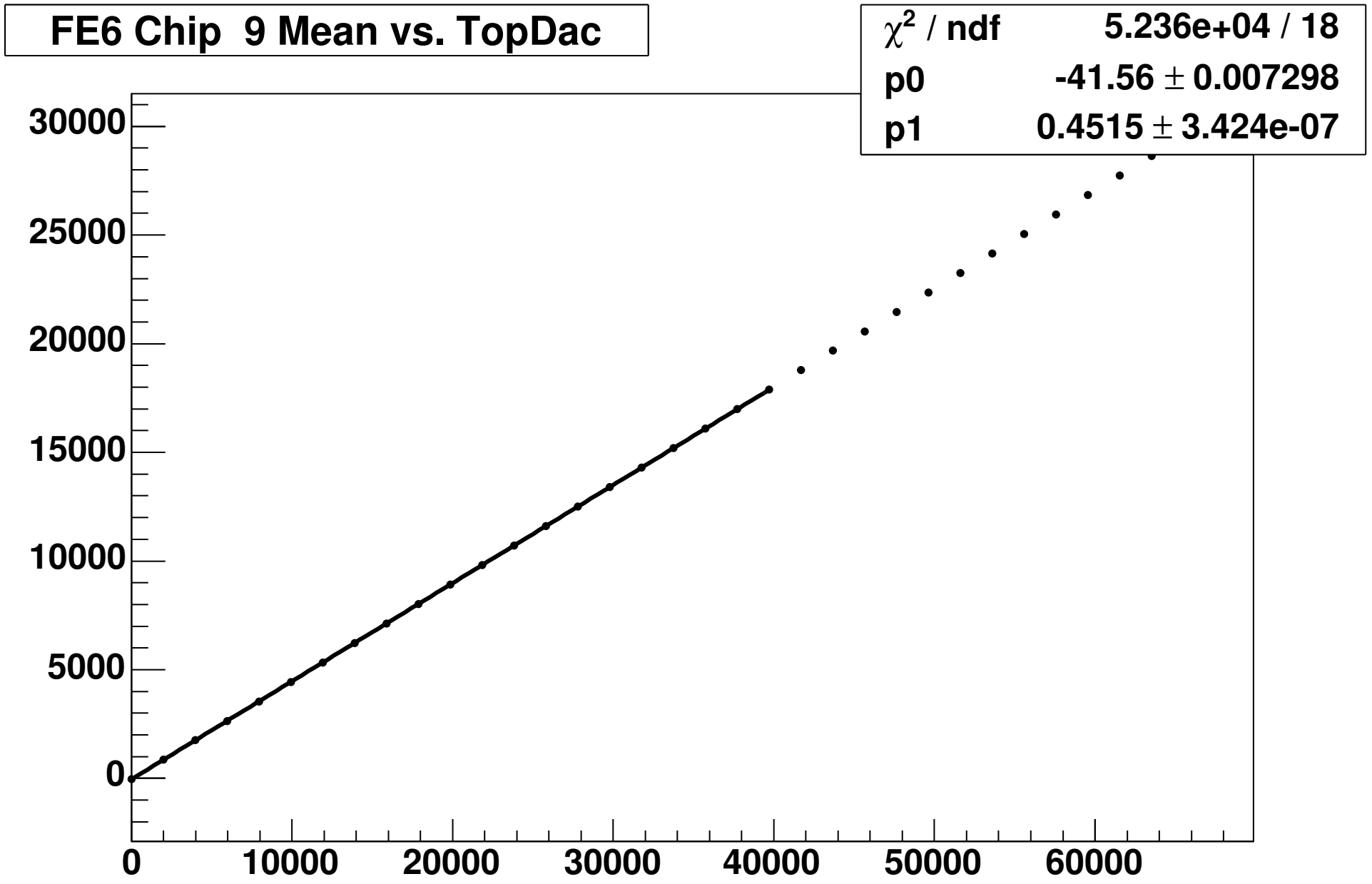
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 5.236e+04 / 18
p0 -41.56 ± 0.007298
p1 0.4515 ± 3.424e-07
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15000
10000
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0
10000
20000
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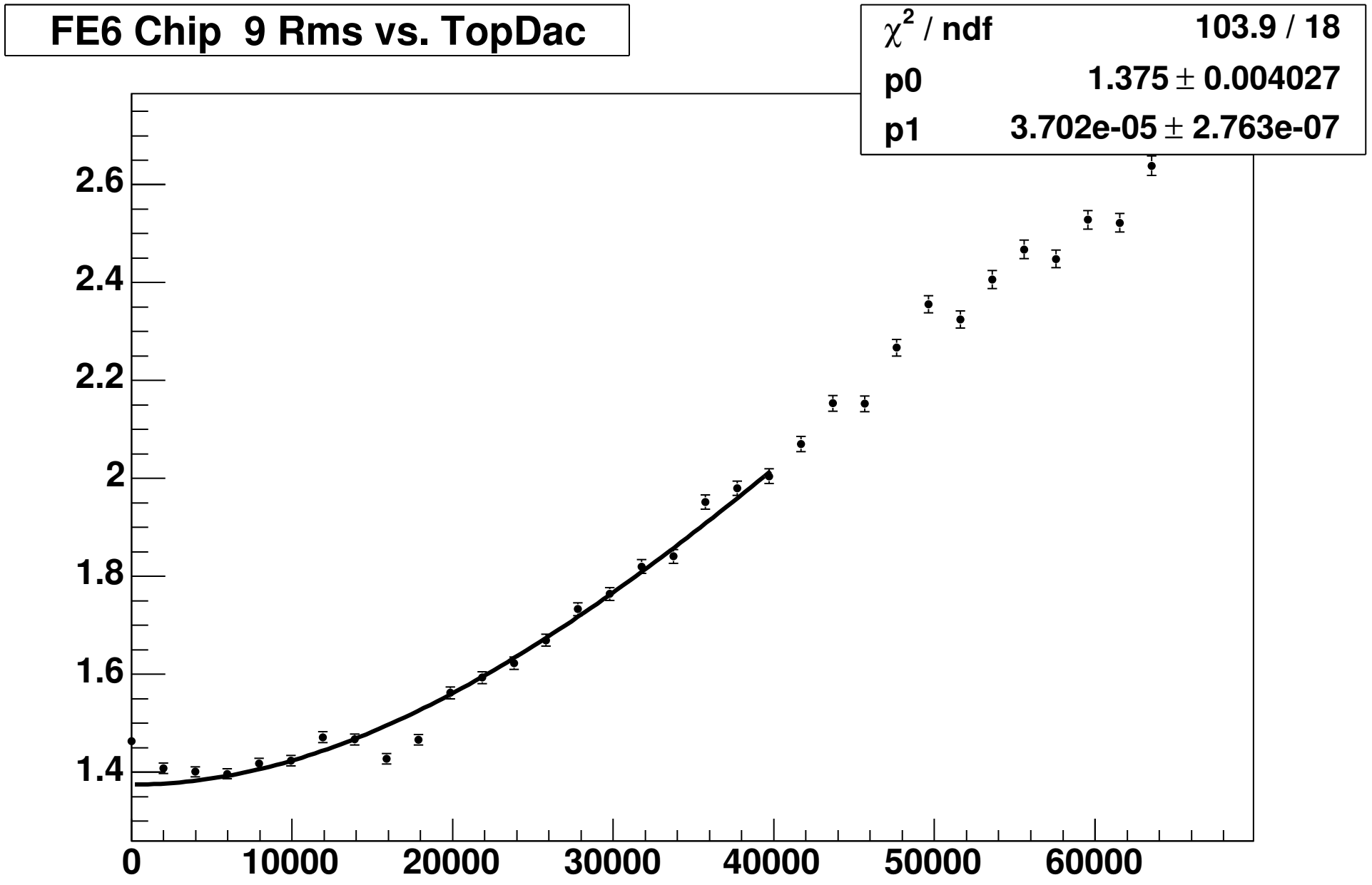
FE6 Chip 9 Rms vs. TopDac
χ² / ndf 103.9 / 18
p0 1.375 ± 0.004027
p1 3.702e-05 ± 2.763e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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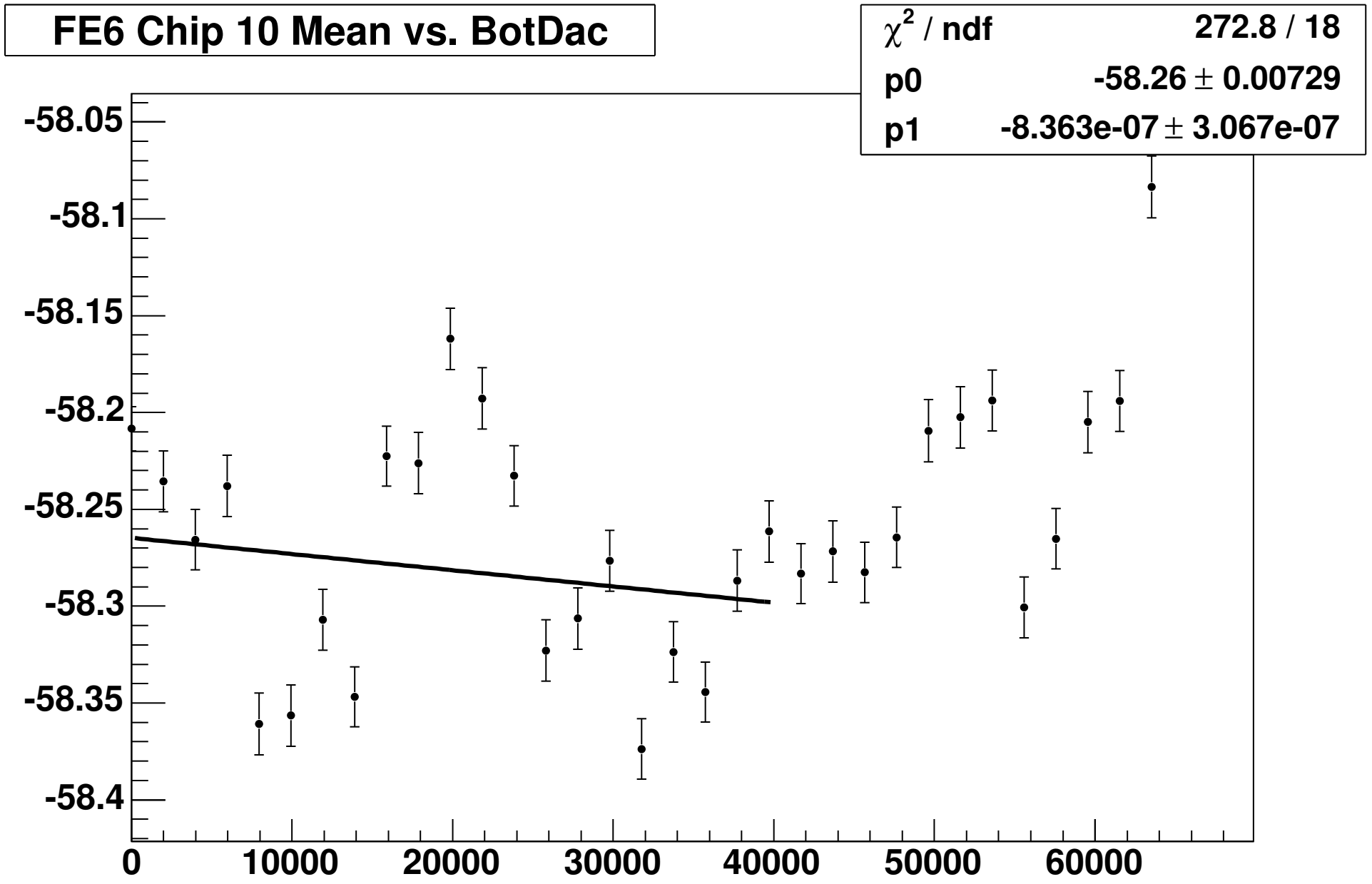
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 272.8 / 18
p0 -58.26 ± 0.00729
p1 -8.363e-07 ± 3.067e-07
-58.05
-58.1
-58.15
-58.2
-58.25
-58.3
-58.35
-58.4
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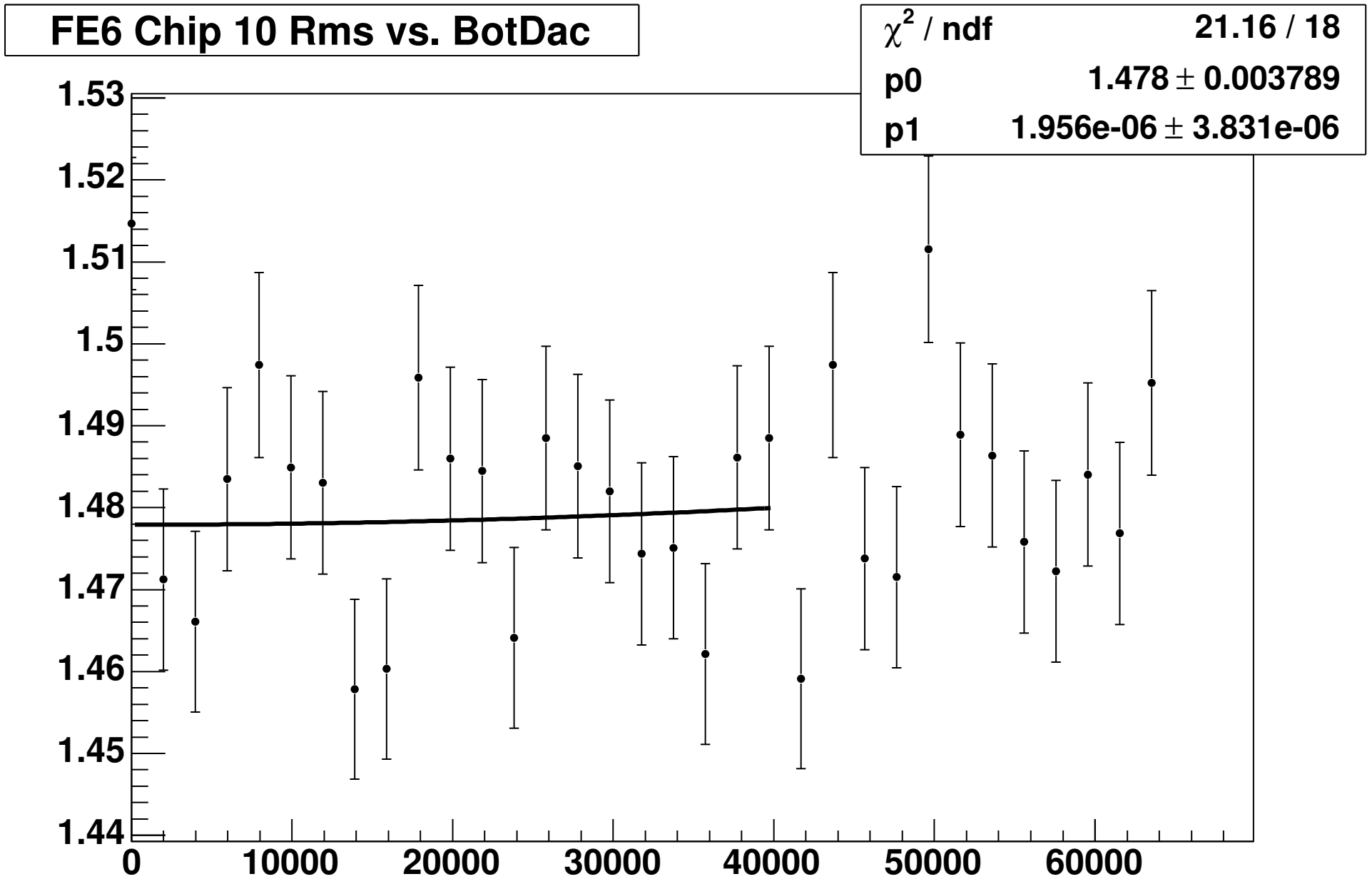
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 21.16 / 18
p0 1.478 ± 0.003789
p1 1.956e-06 ± 3.831e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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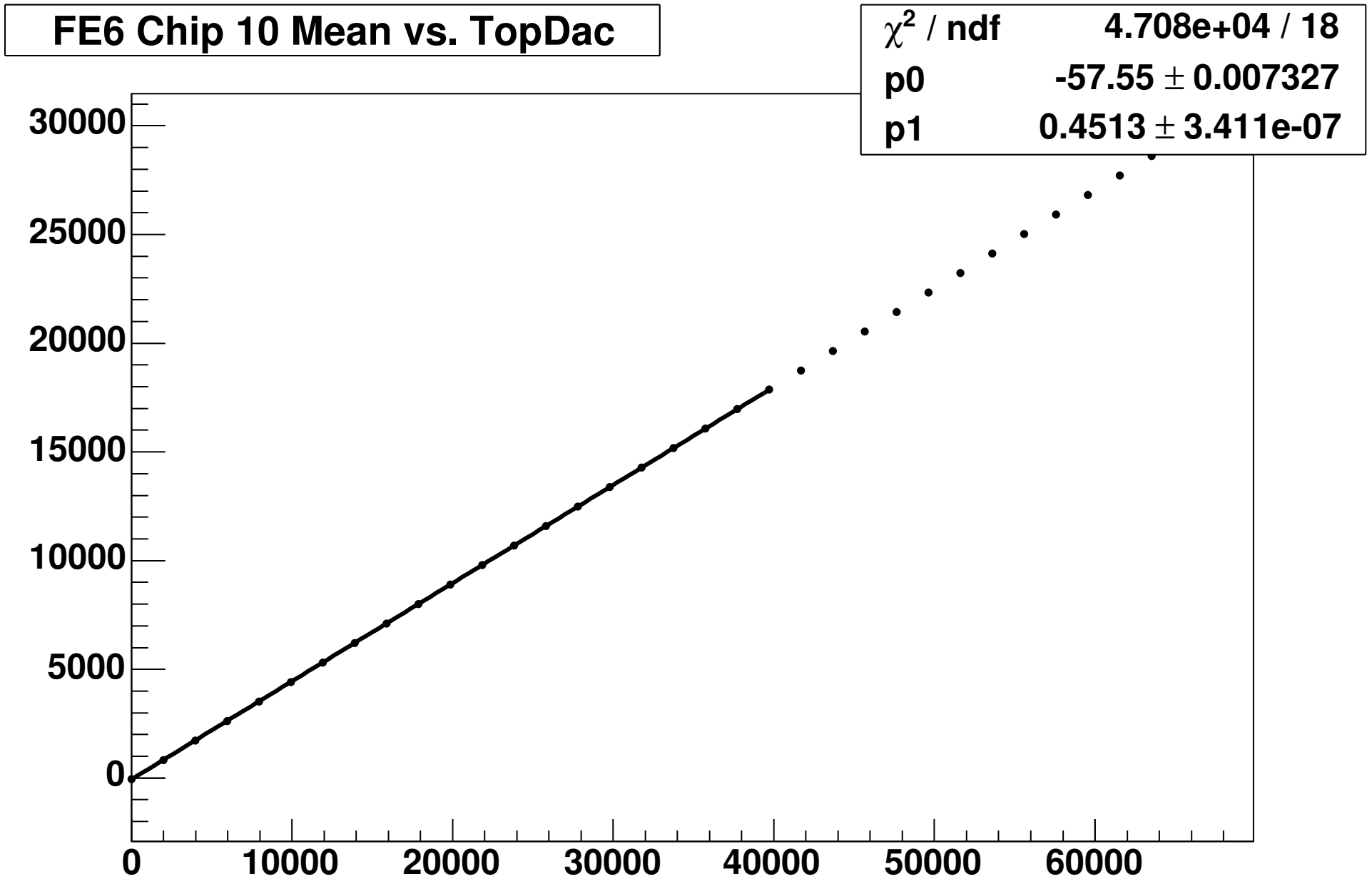
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 4.708e+04 / 18
p0 -57.55 ± 0.007327
p1 0.4513 ± 3.411e-07
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15000
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0
10000
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40000
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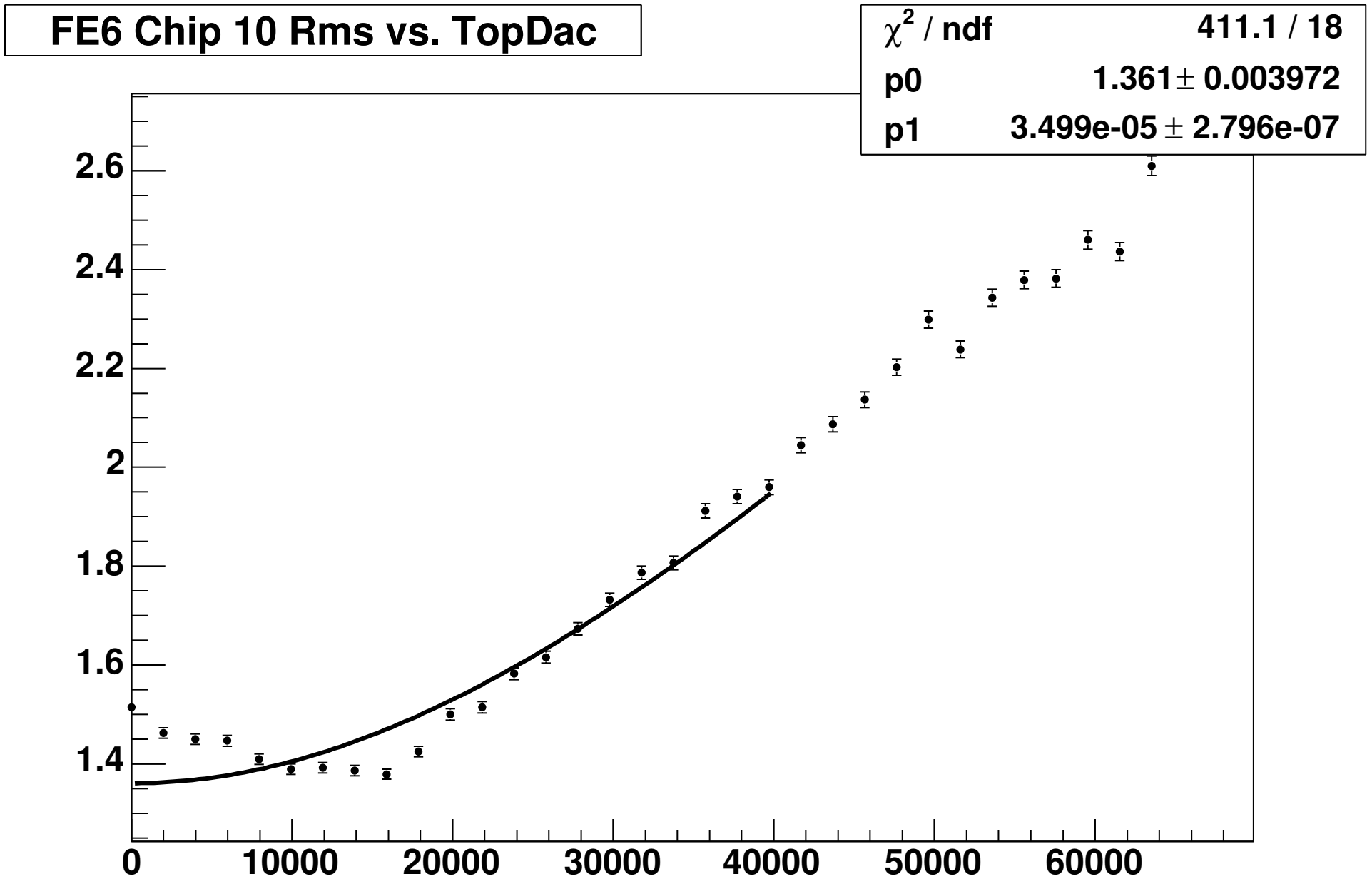
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 411.1 / 18
p0 1.361 ± 0.003972
p1 3.499e-05 ± 2.796e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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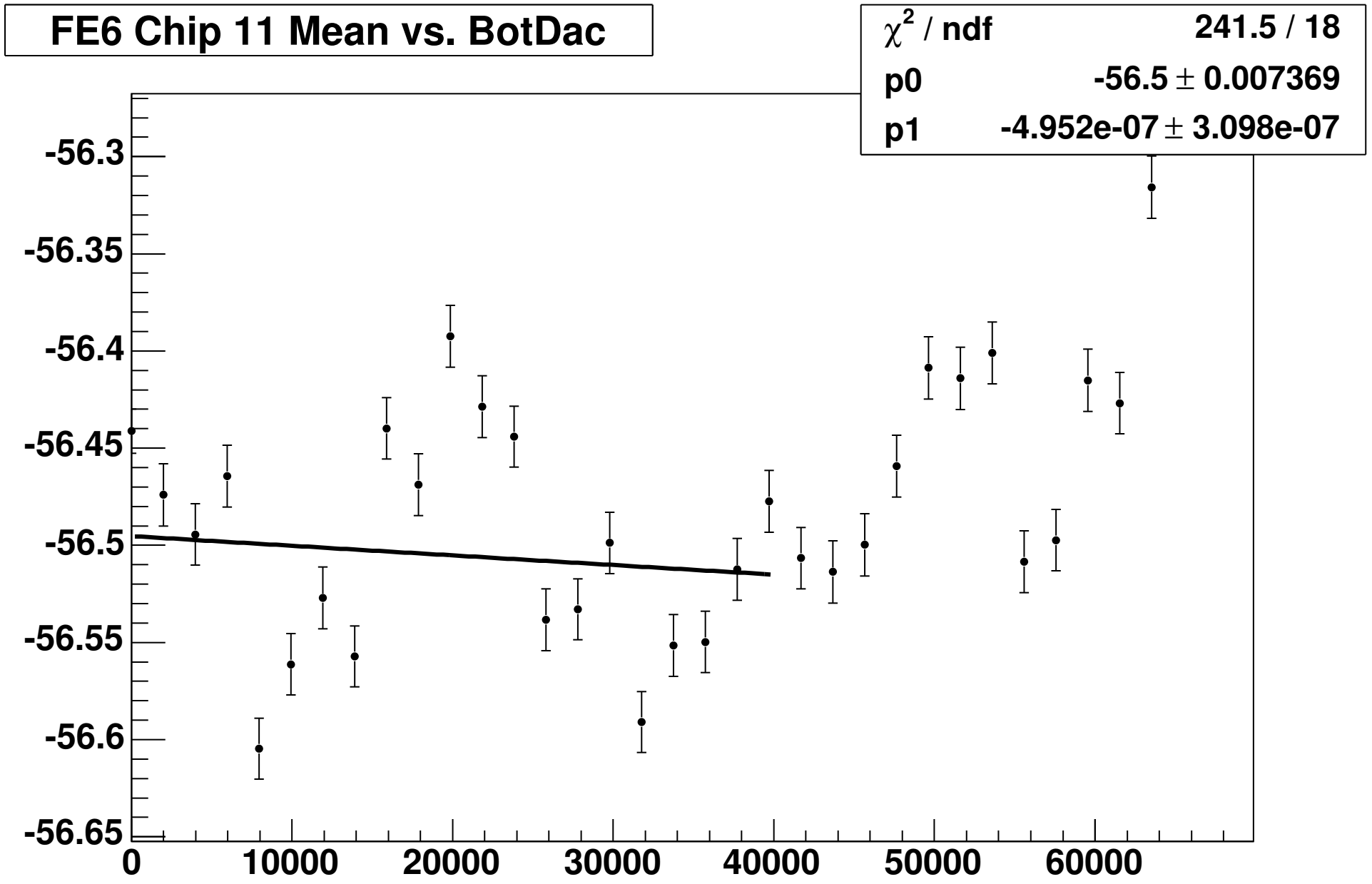
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 241.5 / 18
p0 -56.5 ± 0.007369
p1 -4.952e-07 ± 3.098e-07
-56.3
-56.35
-56.4
-56.45
-56.5
-56.55
-56.6
-56.65
0
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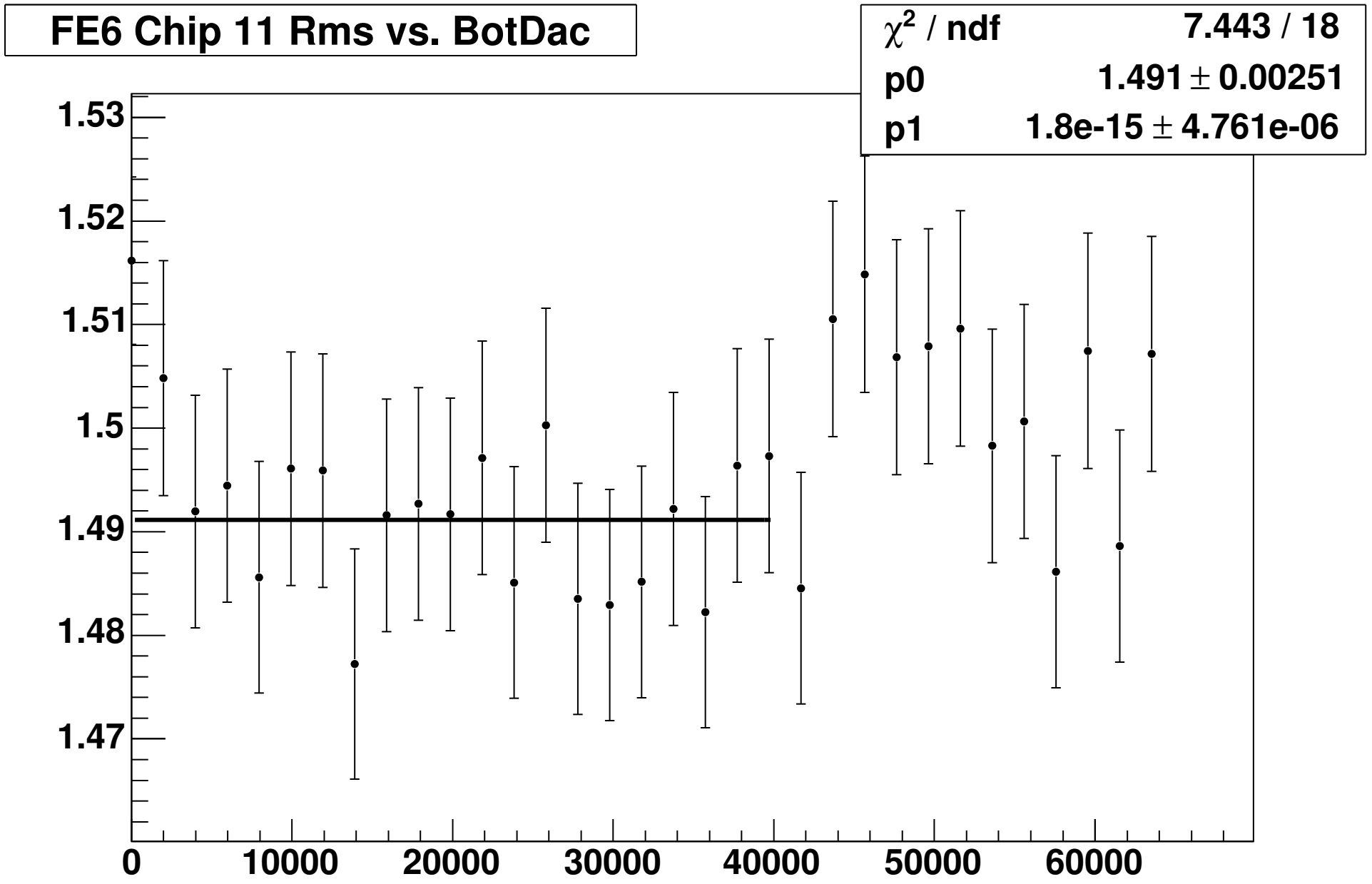
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 7.443 / 18
p0 1.491 ± 0.00251
p1 1.8e-15 ± 4.761e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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50000
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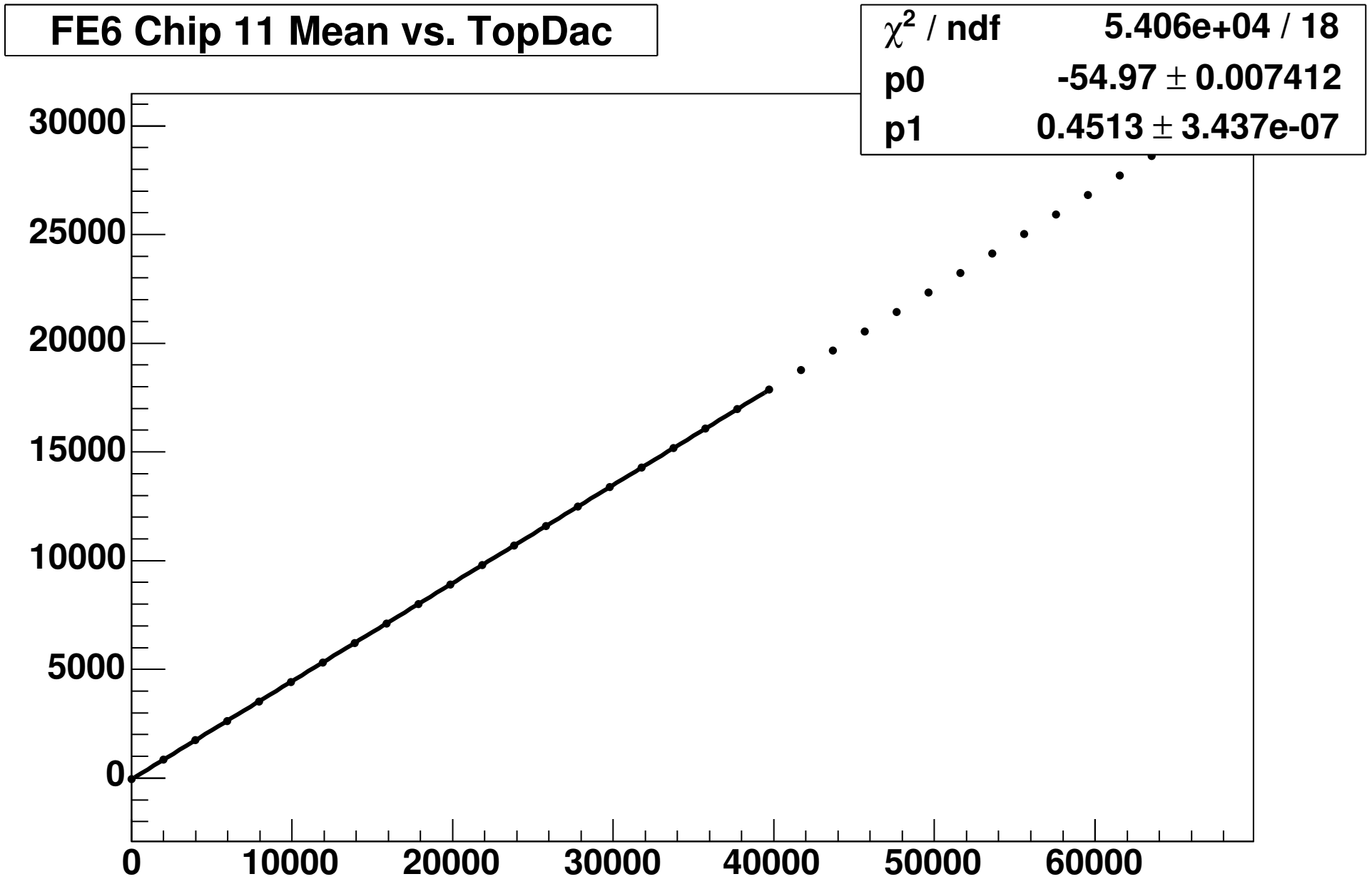
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 5.406e+04 / 18
p0 -54.97 ± 0.007412
p1 0.4513 ± 3.437e-07
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25000
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15000
10000
5000
0
0
10000
20000
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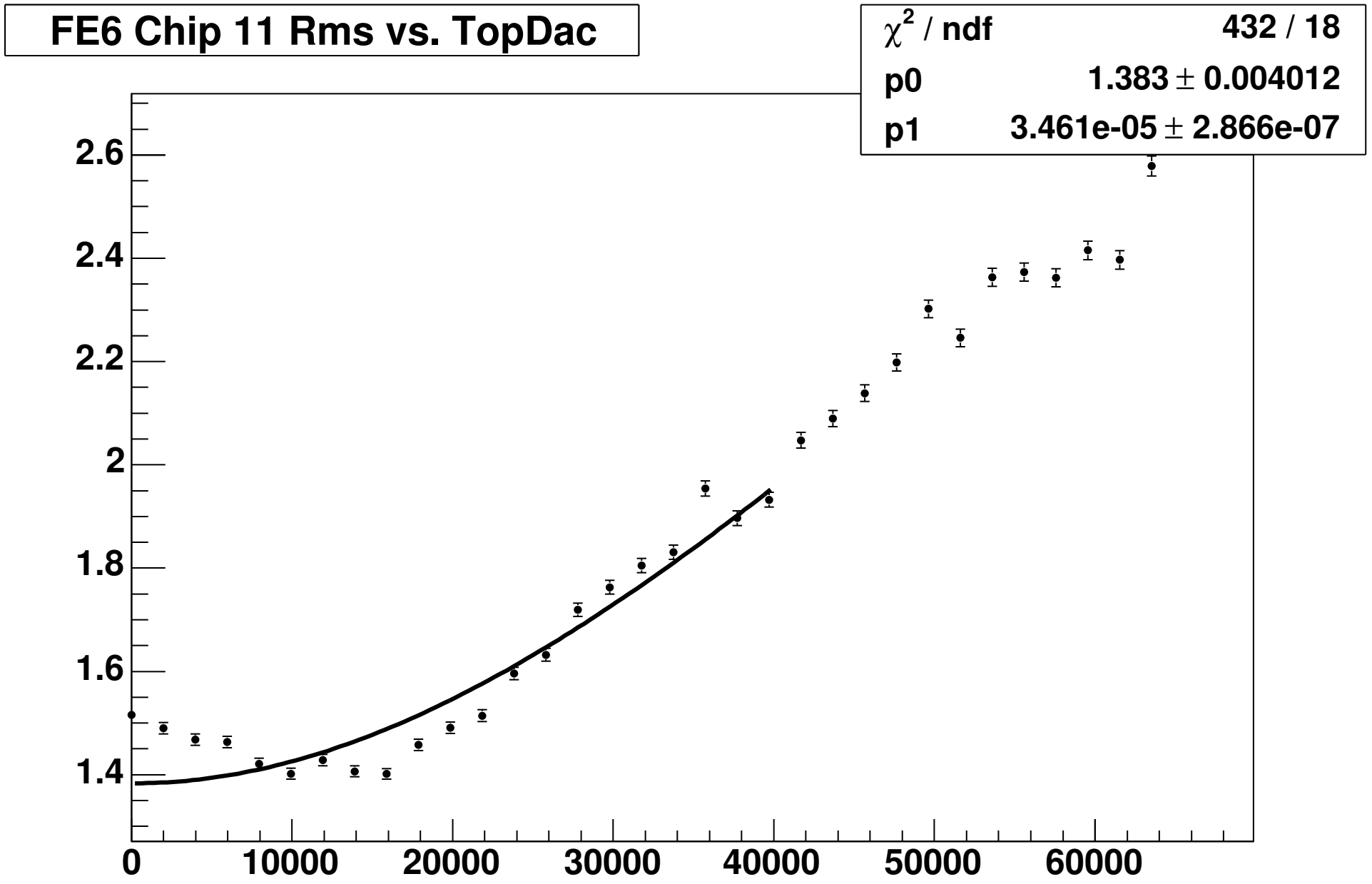
40000
50000
60000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 432 / 18
p0 1.383 ± 0.004012
p1 3.461e-05 ± 2.866e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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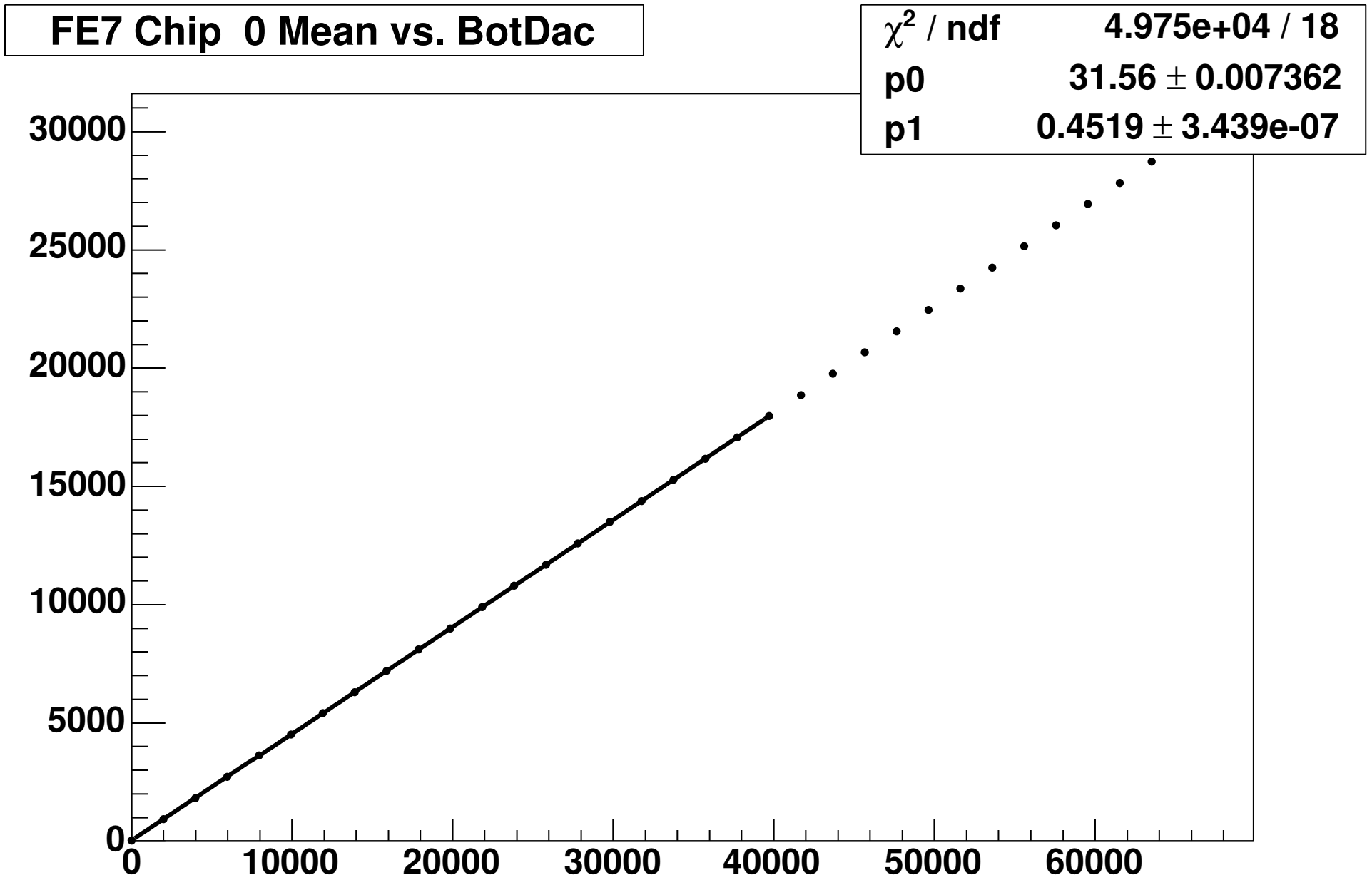
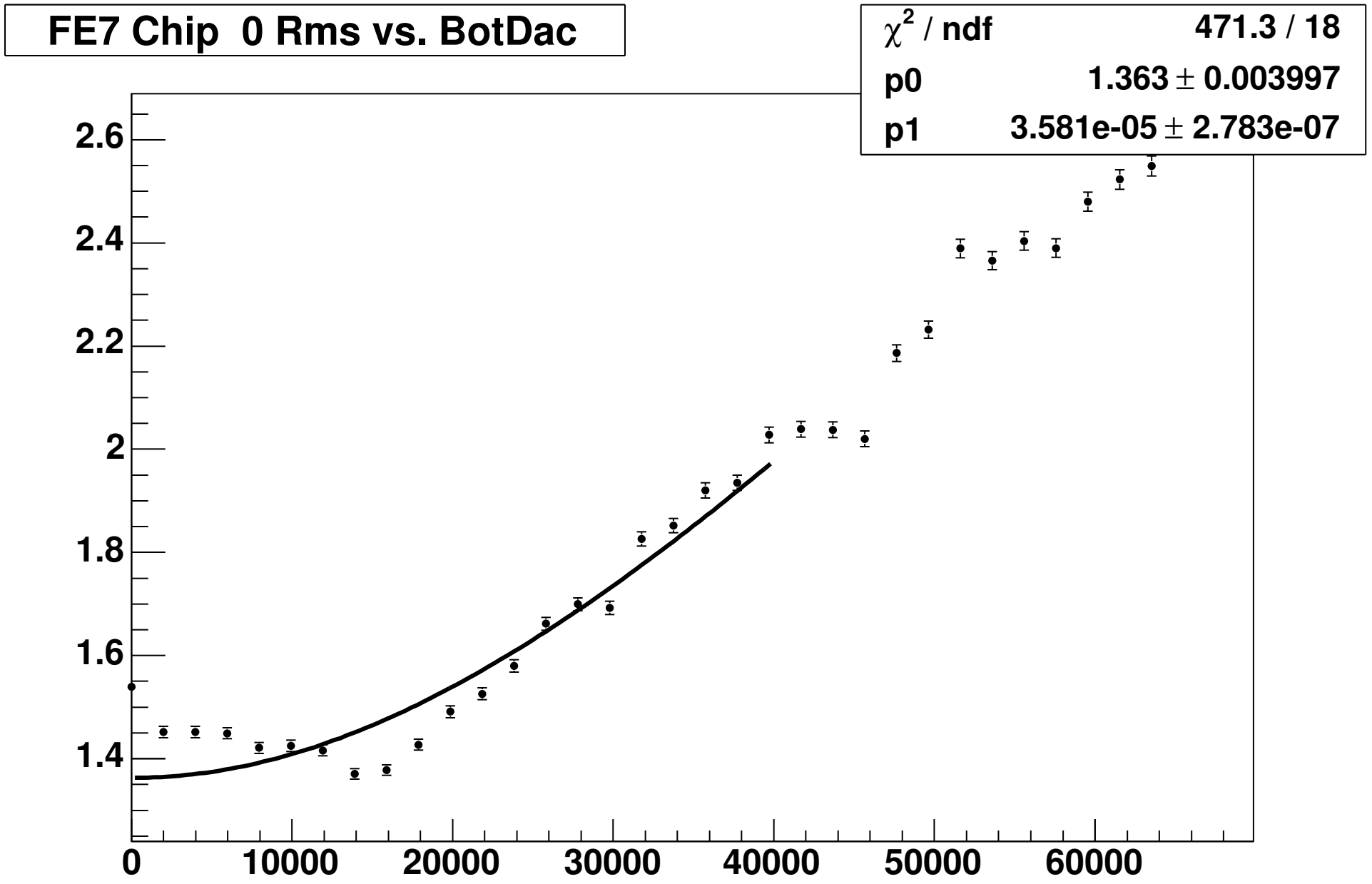

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 4.975e+04 / 18
p0 31.56 ± 0.007362
p1 0.4519 ± 3.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 471.3 / 18
p0 1.363 ± 0.003997
p1 3.581e-05 ± 2.783e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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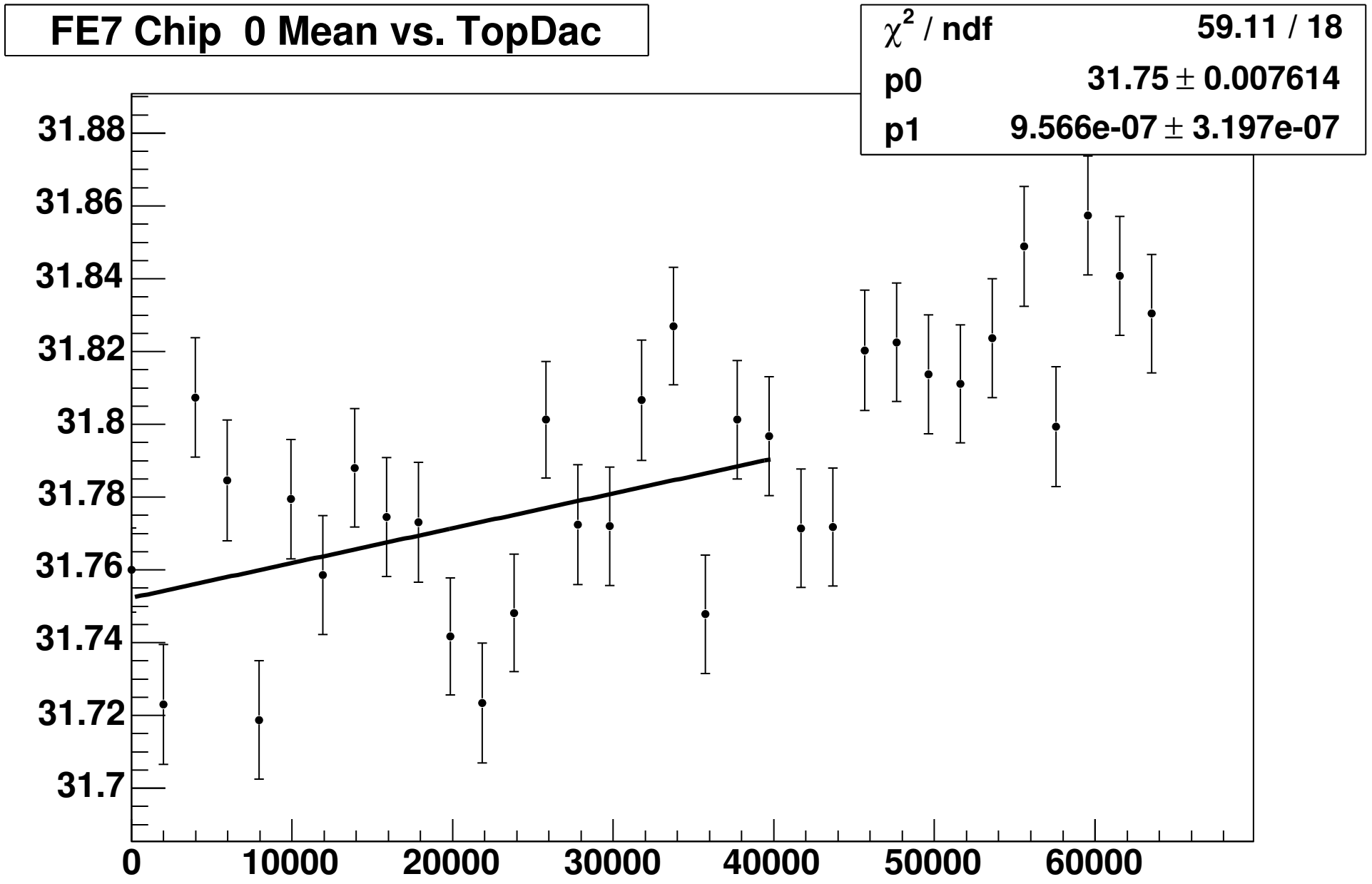
FE7 Chip 0 Mean vs. TopDac
χ^2 / ndf 59.11 / 18
p0 31.75 ± 0.007614
p1 9.566e-07 ± 3.197e-07
31.88
31.86
31.84
31.82
31.8
31.78
31.76
31.74
31.72
31.7
0
10000
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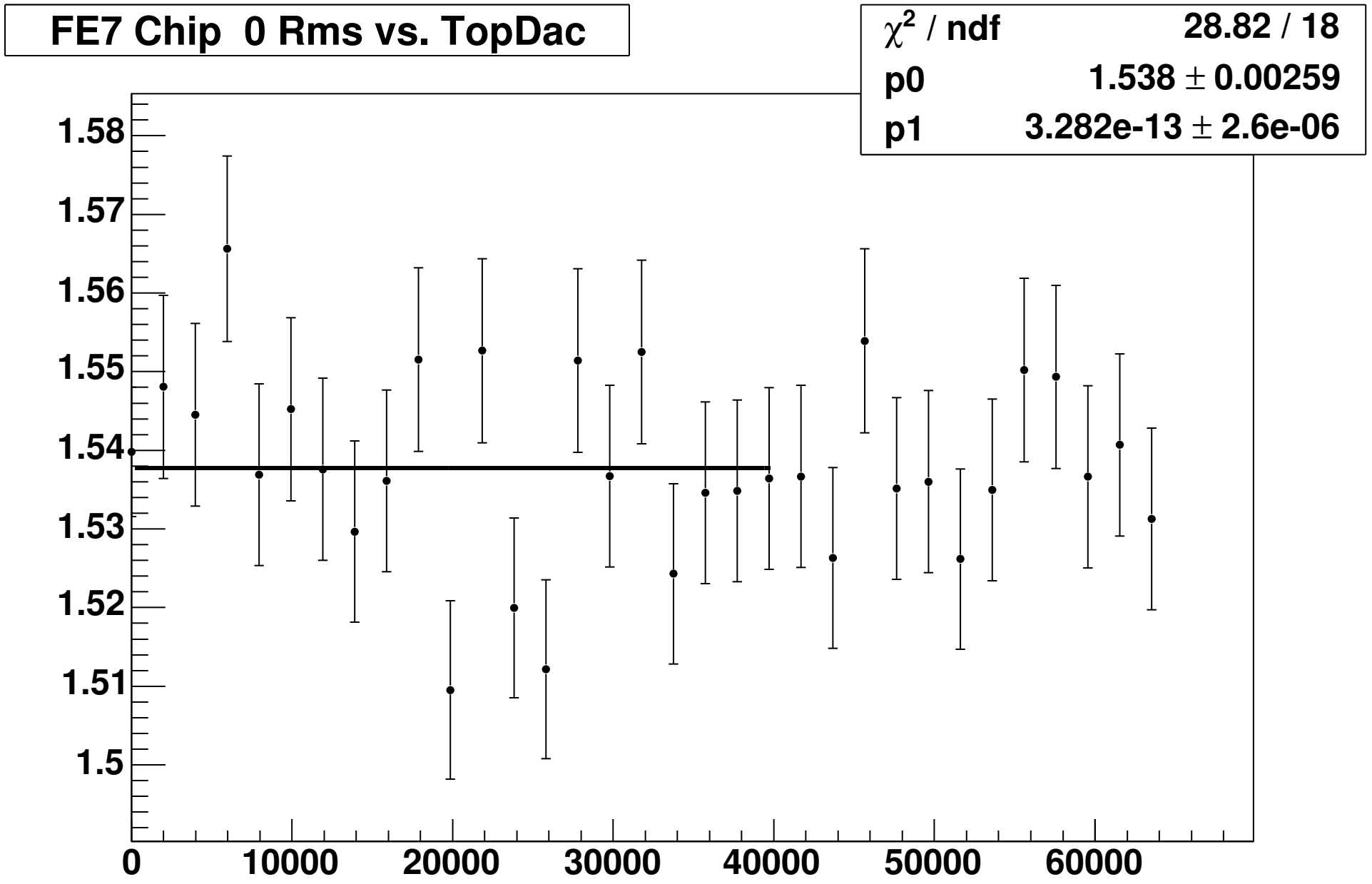
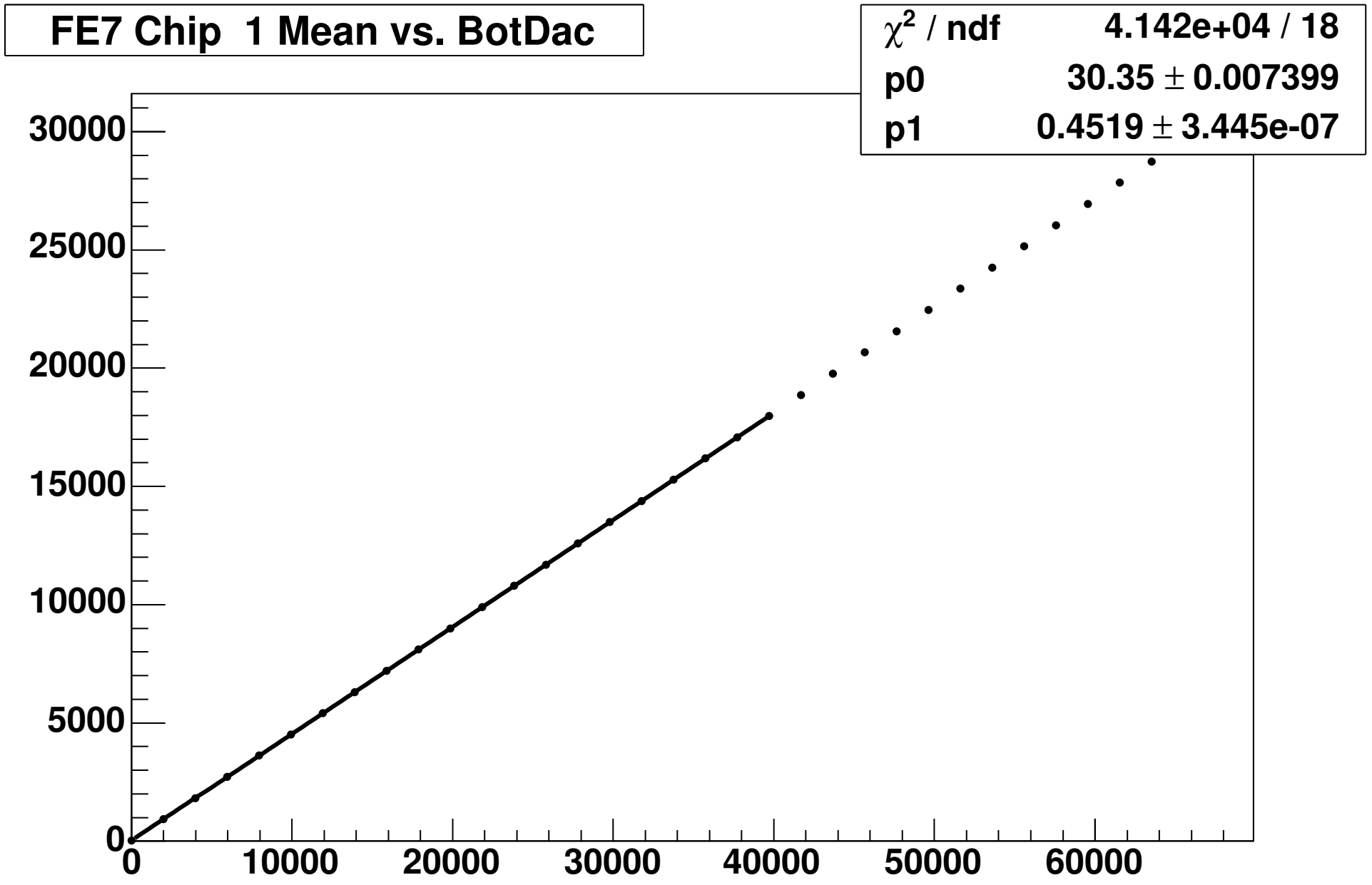
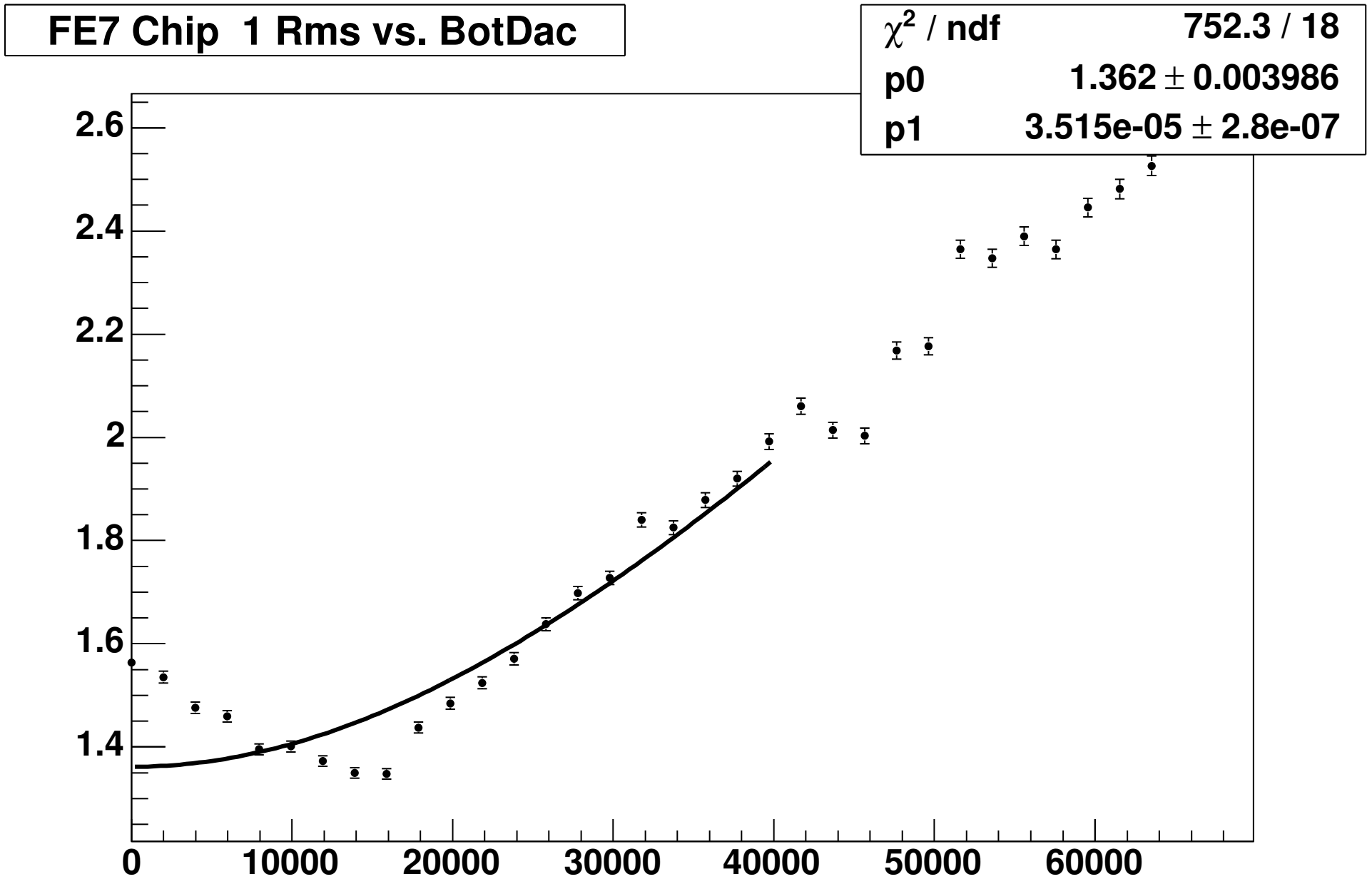
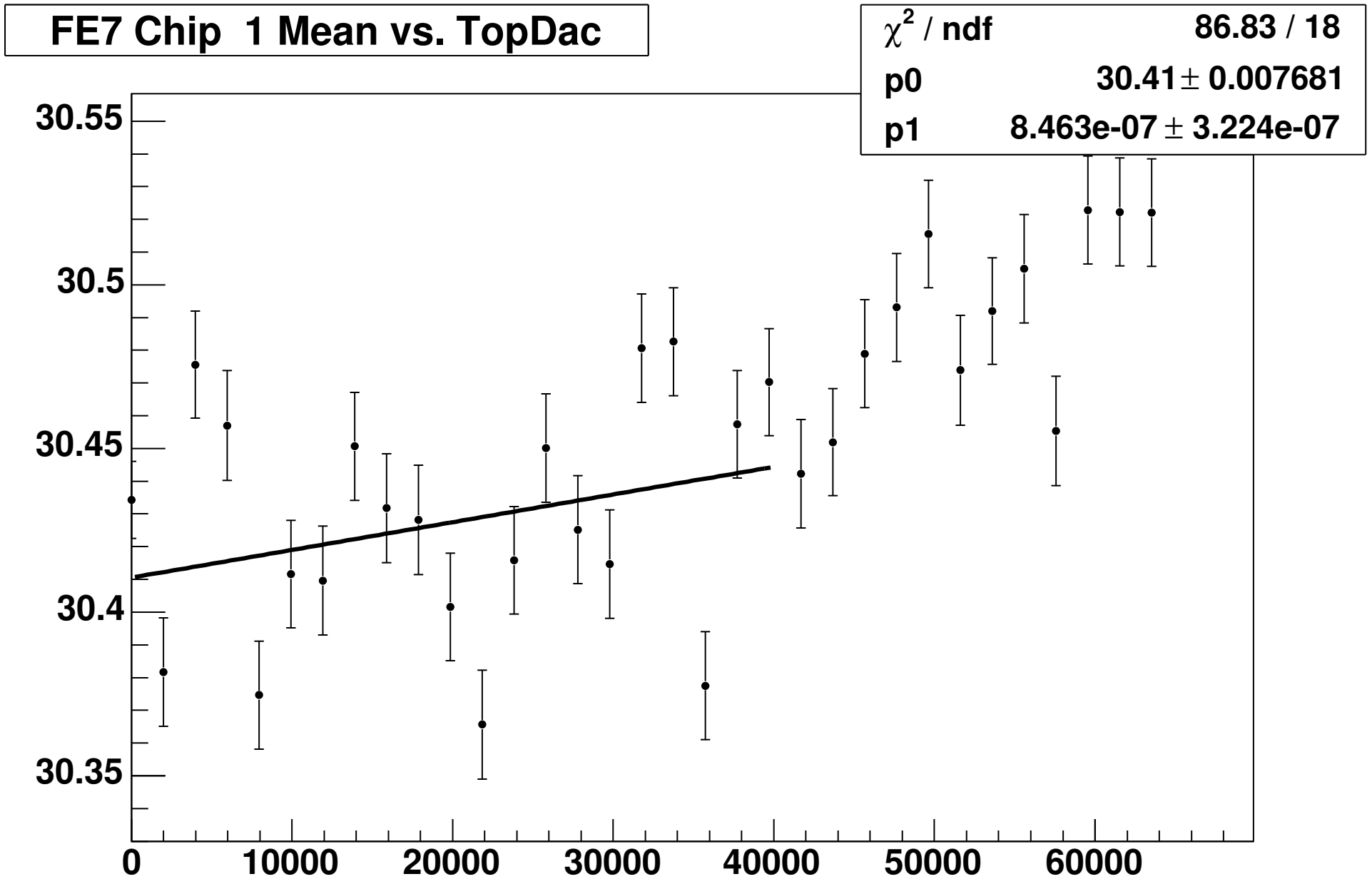
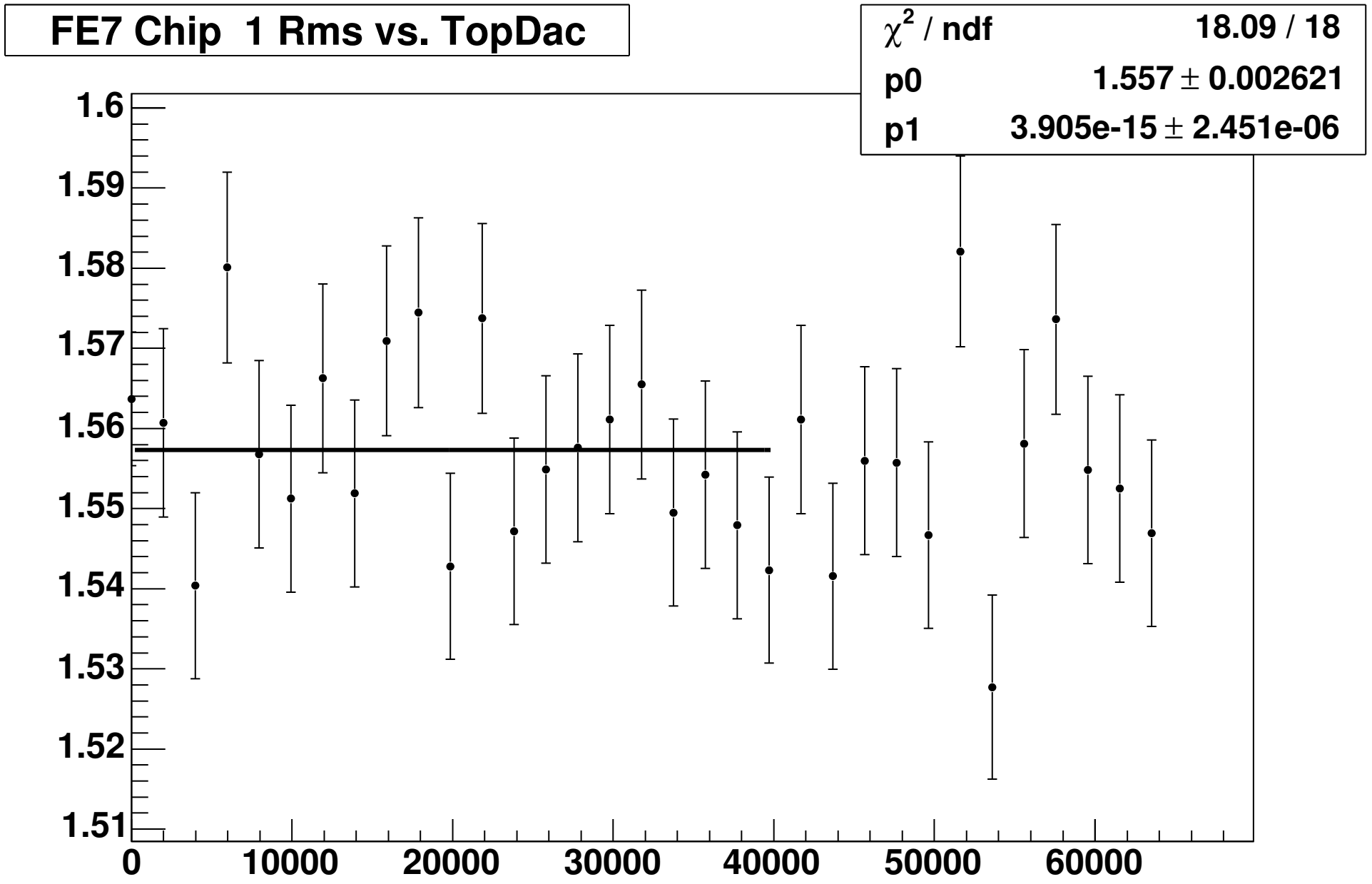
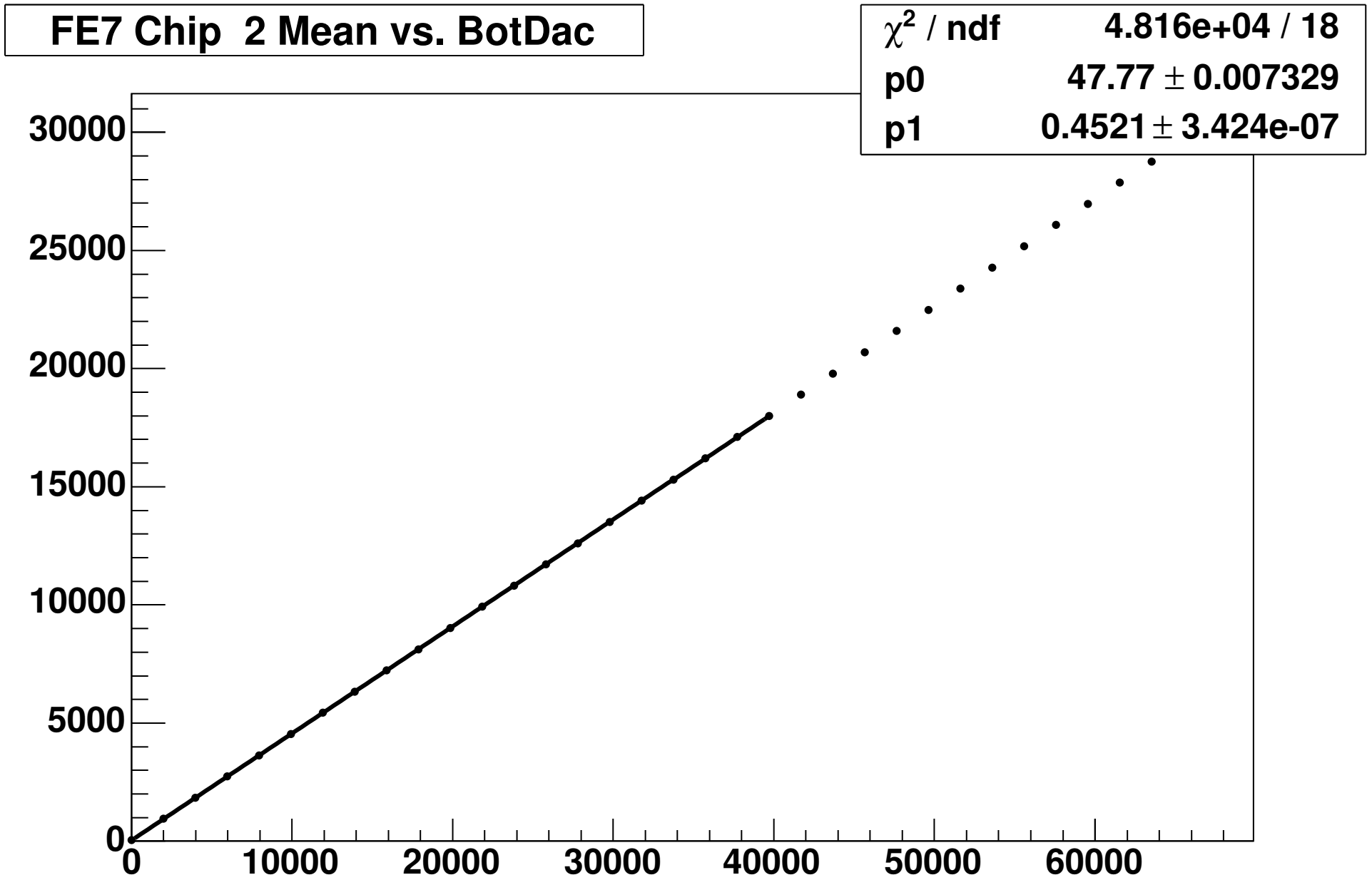

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 28.82 / 18
p0 1.538 ± 0.00259
p1 3.282e-13 ± 2.6e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

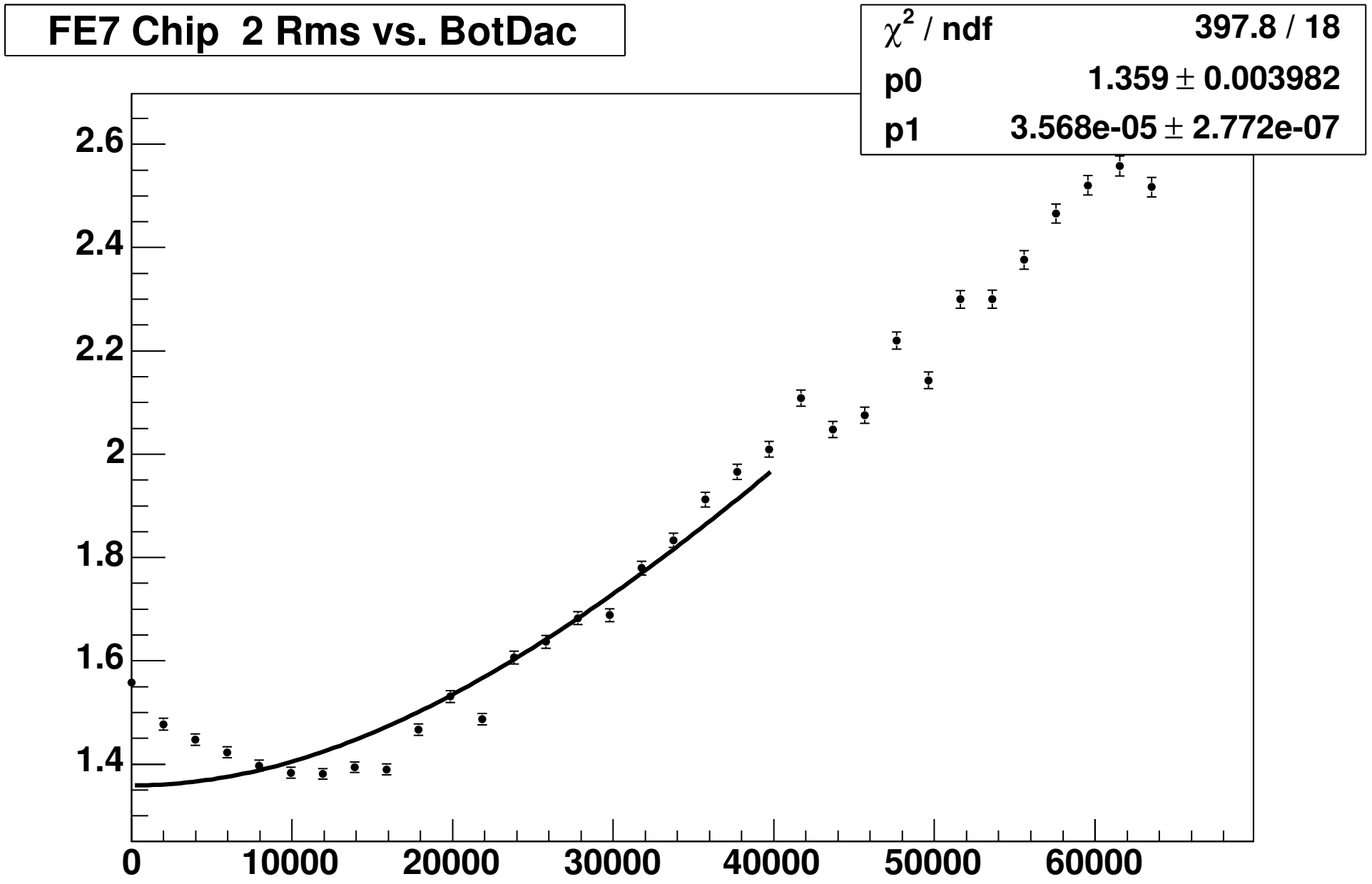

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 4.142e+04 / 18
p0 30.35 ± 0.007399
p1 0.4519 ± 3.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

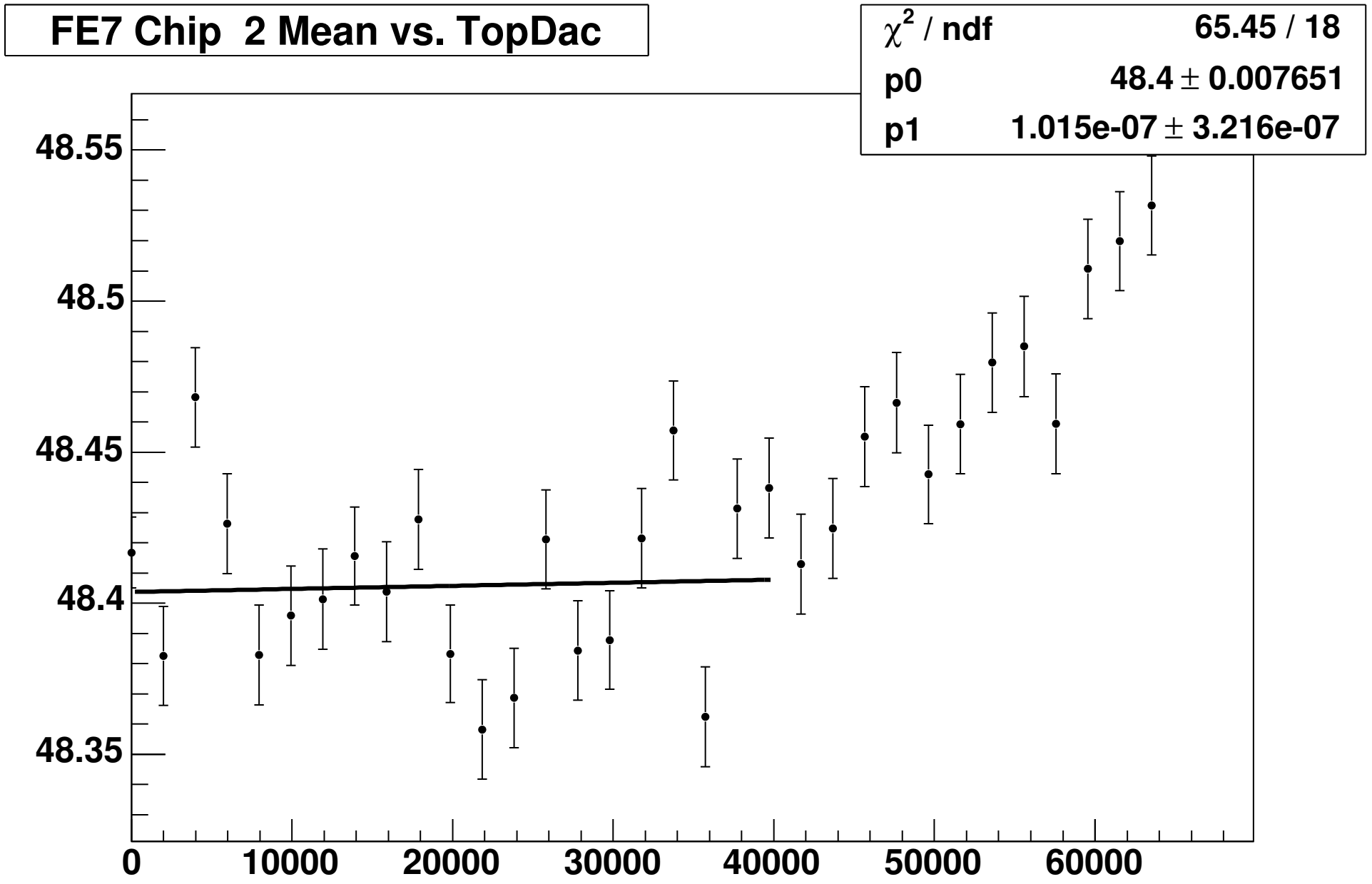

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 752.3 / 18
p0 1.362 ± 0.003986
p1 3.515e-05 ± 2.8e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 86.83 / 18
p0 30.41 ± 0.007681
p1 8.463e-07 ± 3.224e-07
30.55
30.5
30.45
30.4
30.35
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 18.09 / 18
p0 1.557 ± 0.002621
p1 3.905e-15 ± 2.451e-06
1.6
1.59
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 2 Mean vs. BotDac
χ² / ndf 4.816e+04 / 18
p0 47.77 ± 0.007329
p1 0.4521 ± 3.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 397.8 / 18
p0 1.359 ± 0.003982
p1 3.568e-05 ± 2.772e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 65.45 / 18
p0 48.4 ± 0.007651
p1 1.015e-07 ± 3.216e-07
48.55
48.5
48.45
48.4
48.35
0
10000
20000
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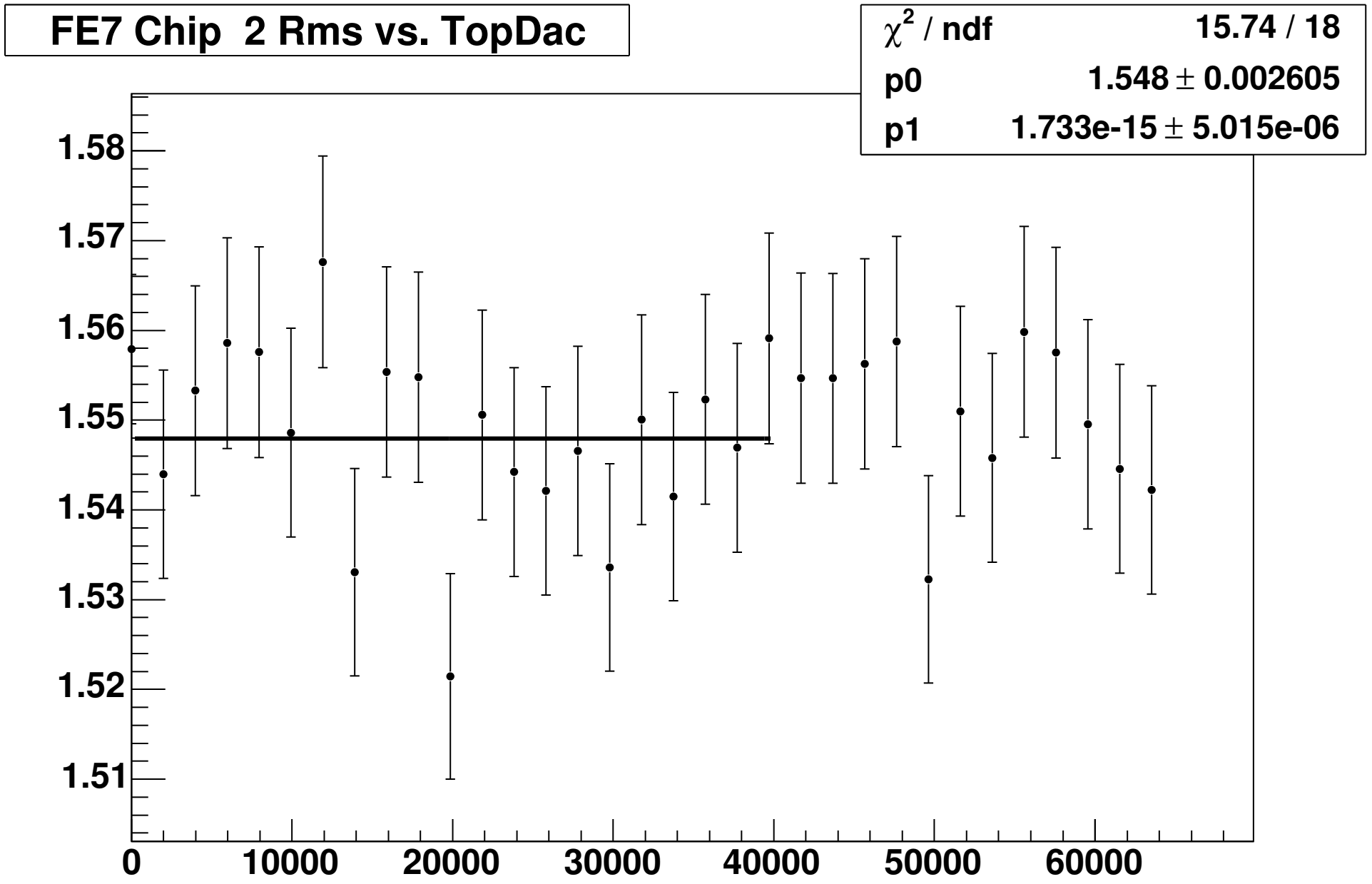
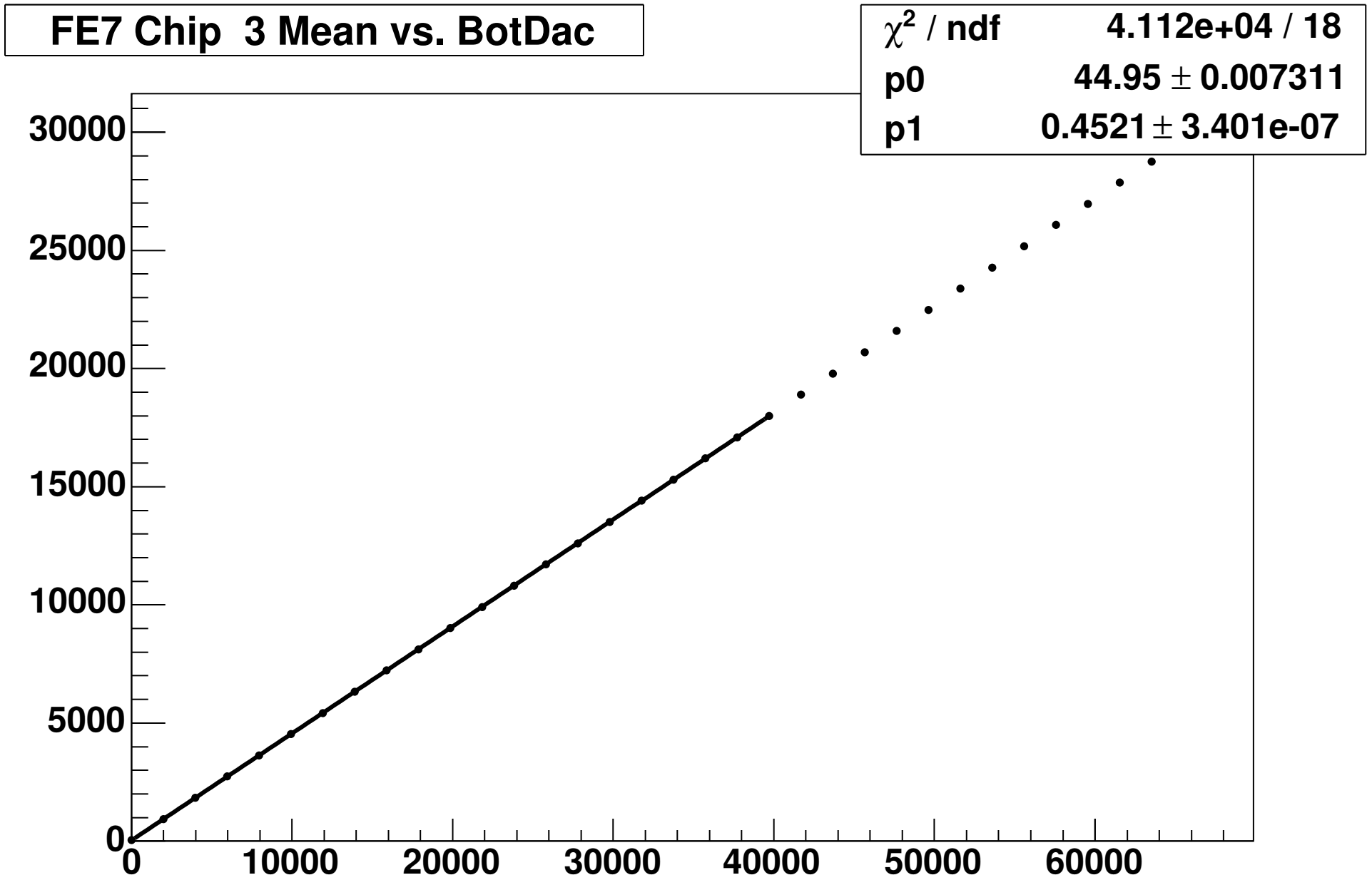
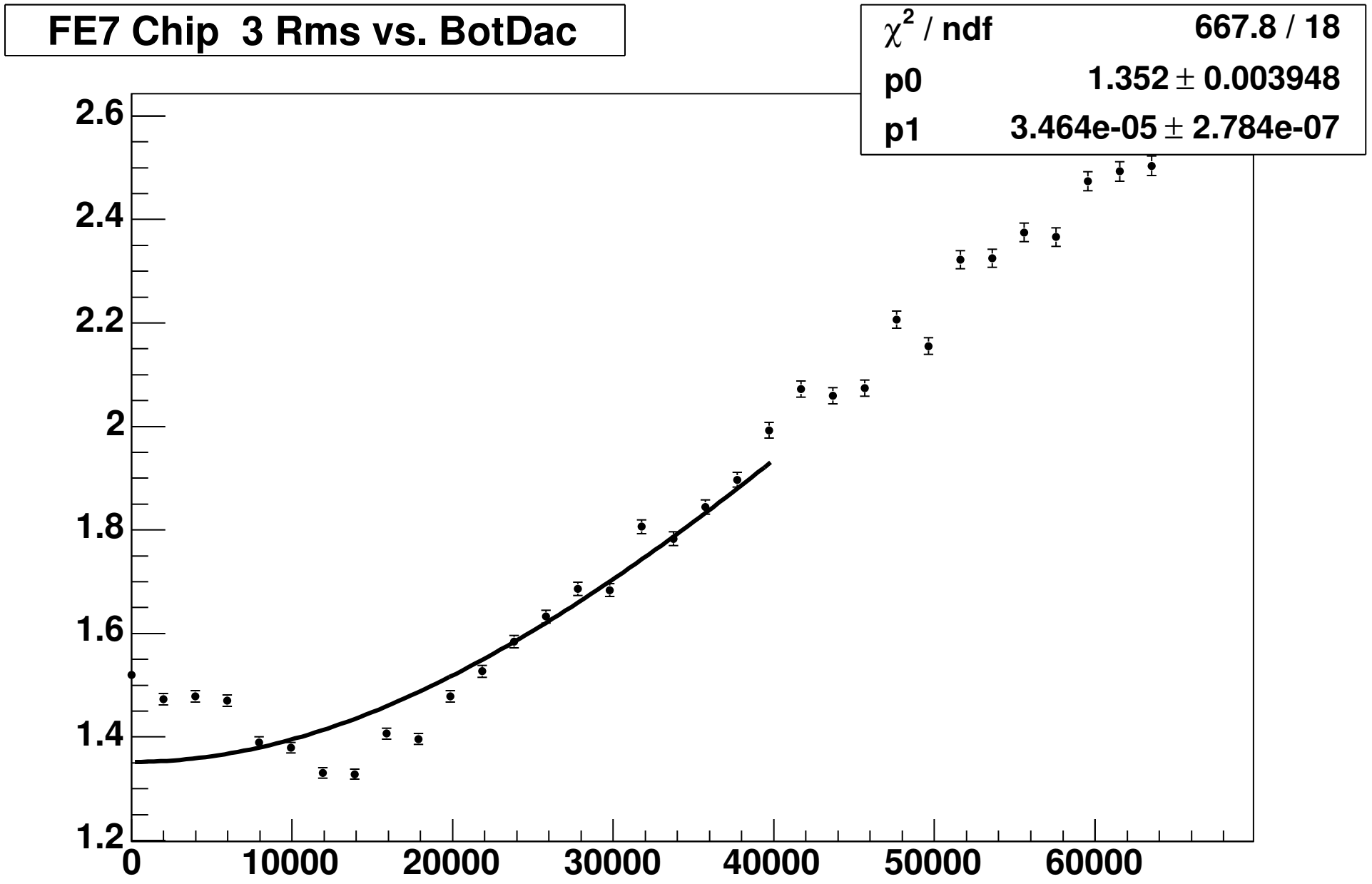
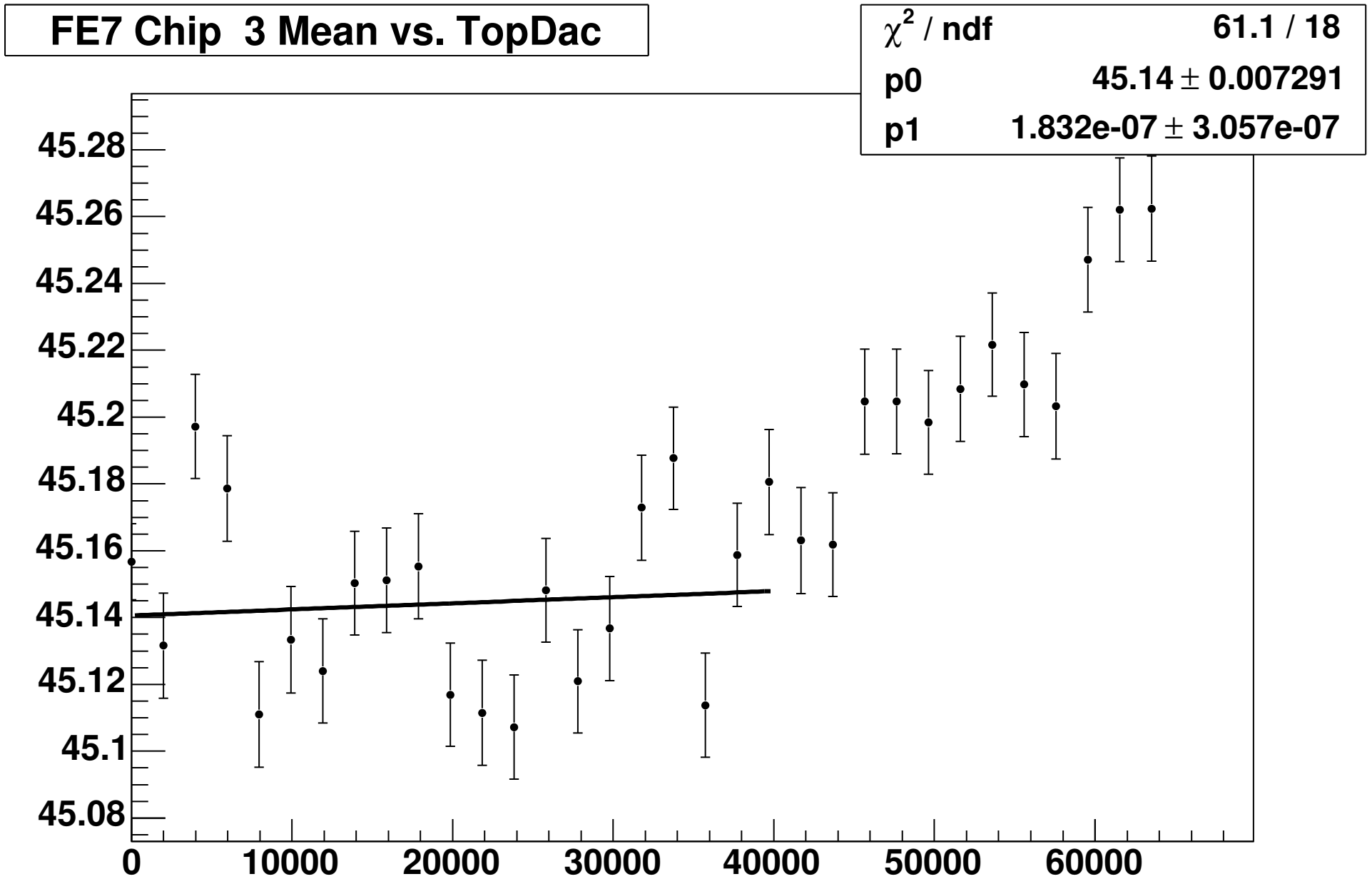
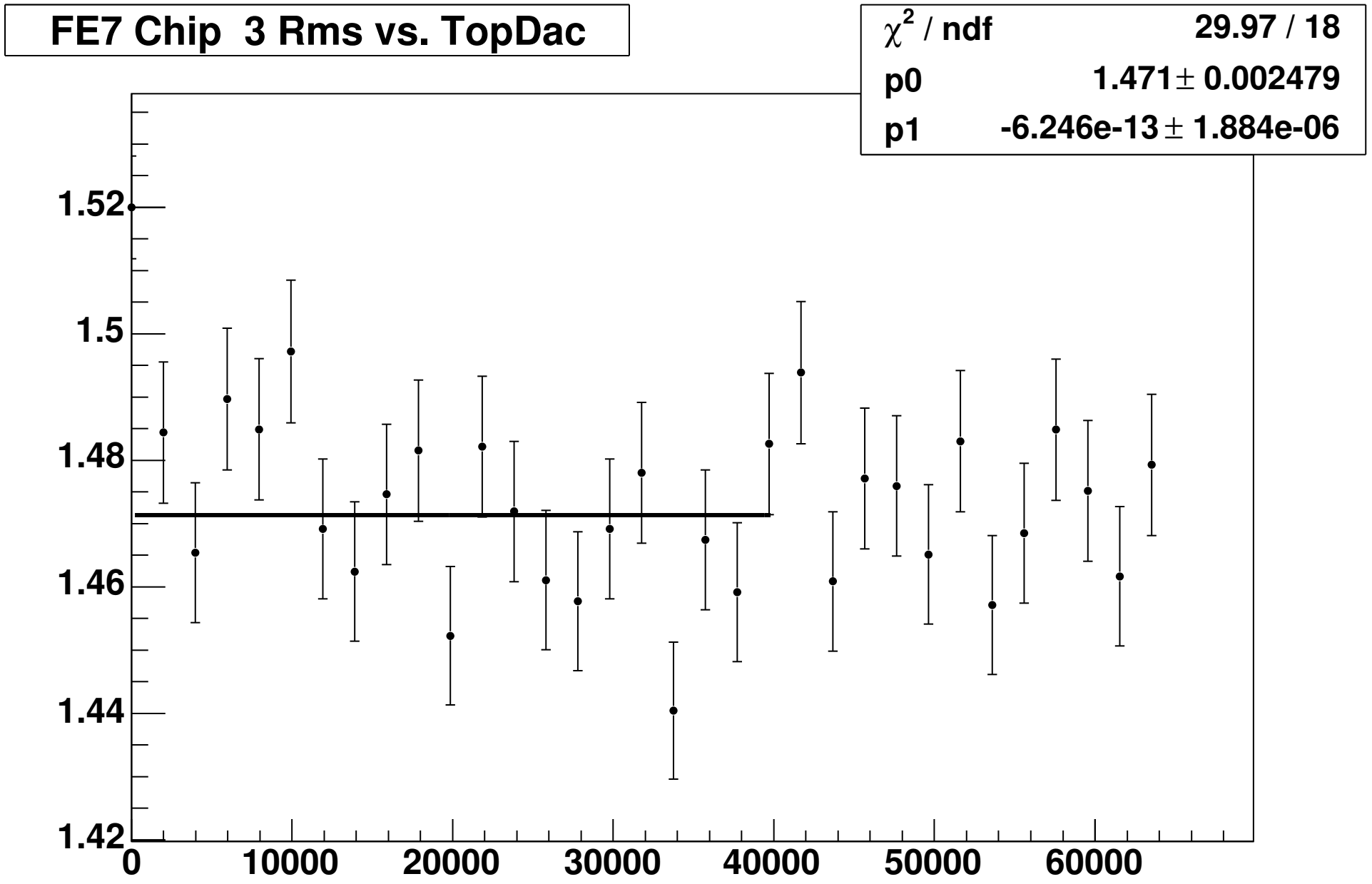
60000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 15.74 / 18
p0 1.548 ± 0.002605
p1 1.733e-15 ± 5.015e-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 4.112e+04 / 18
p0 44.95 ± 0.007311
p1 0.4521 ± 3.401e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 667.8 / 18
p0 1.352 ± 0.003948
p1 3.464e-05 ± 2.784e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 61.1 / 18
p0 45.14 ± 0.007291
p1 1.832e-07 ± 3.057e-07
45.28
45.26
45.24
45.22
45.2
45.18
45.16
45.14
45.12
45.1
45.08
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 29.97 / 18
p0 1.471 ± 0.002479
p1 -6.246e-13 ± 1.884e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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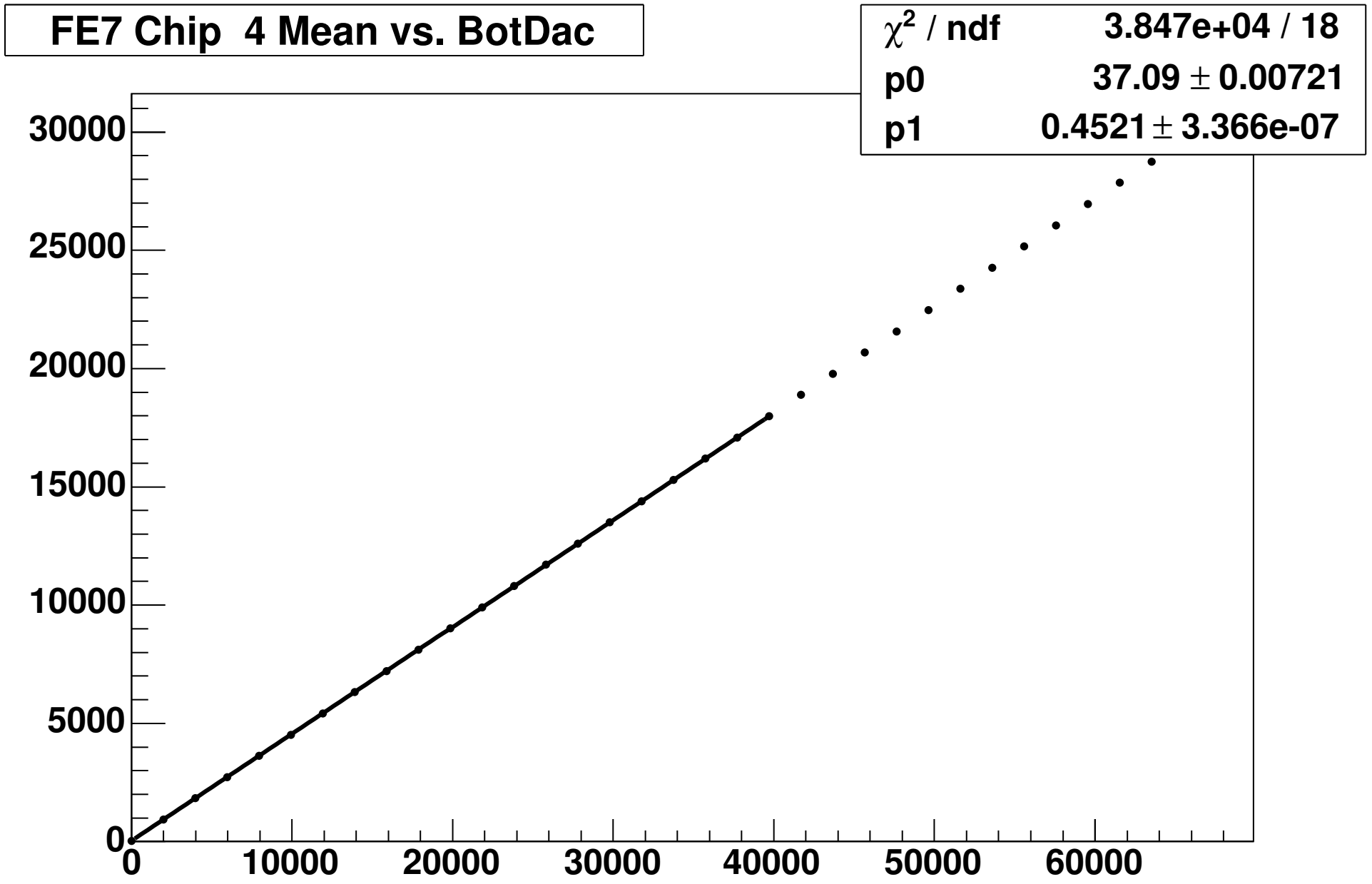
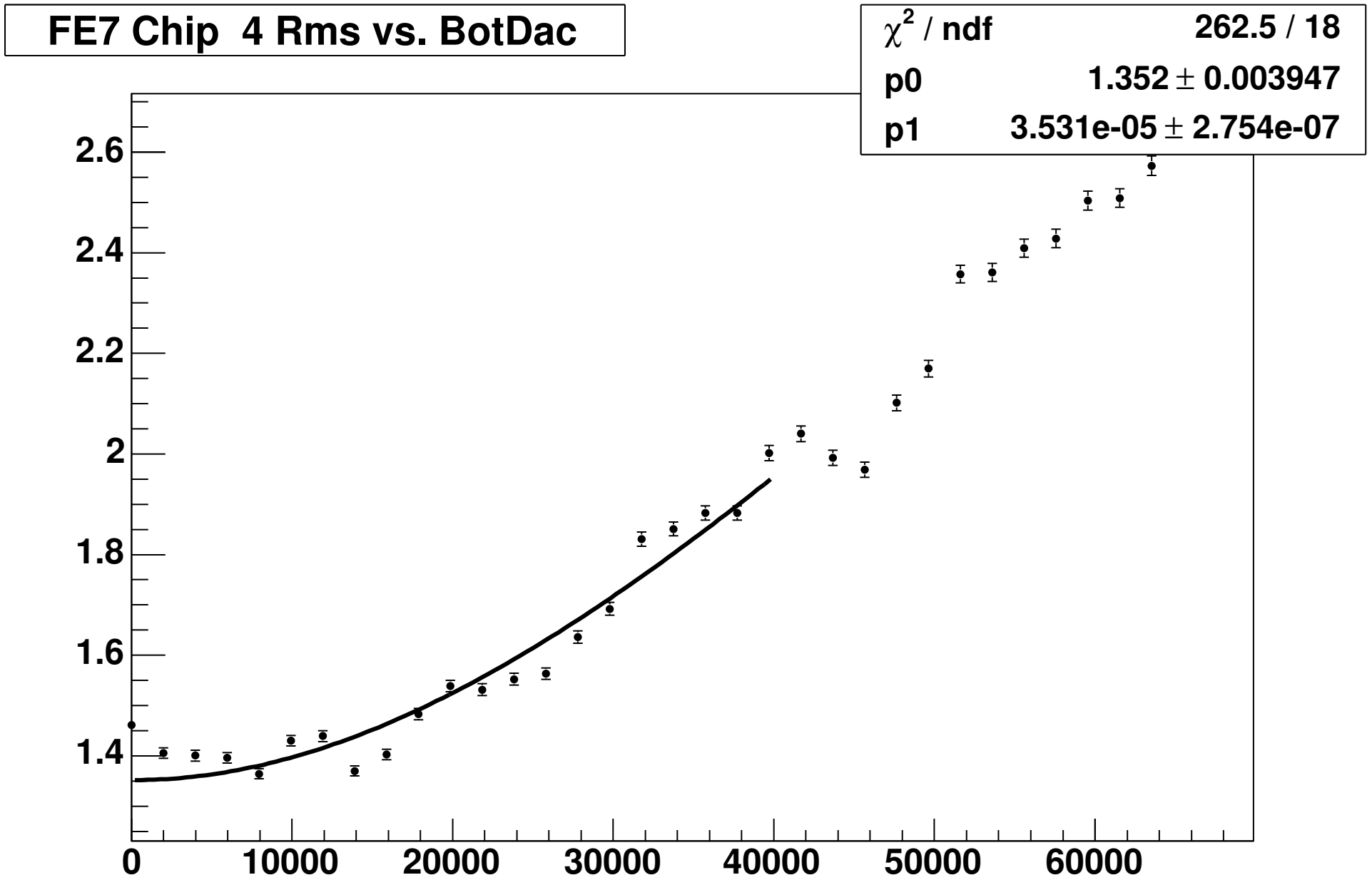
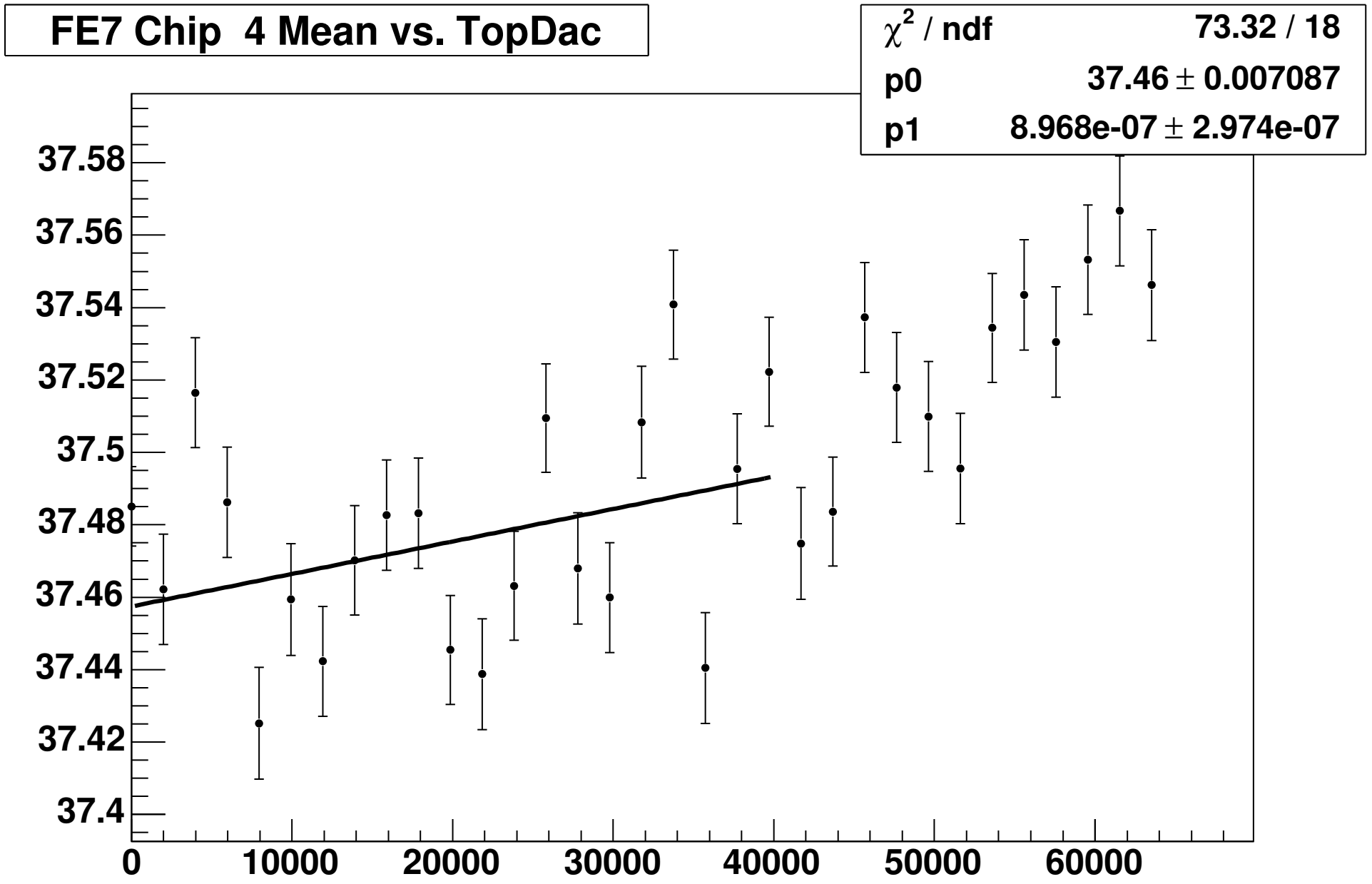
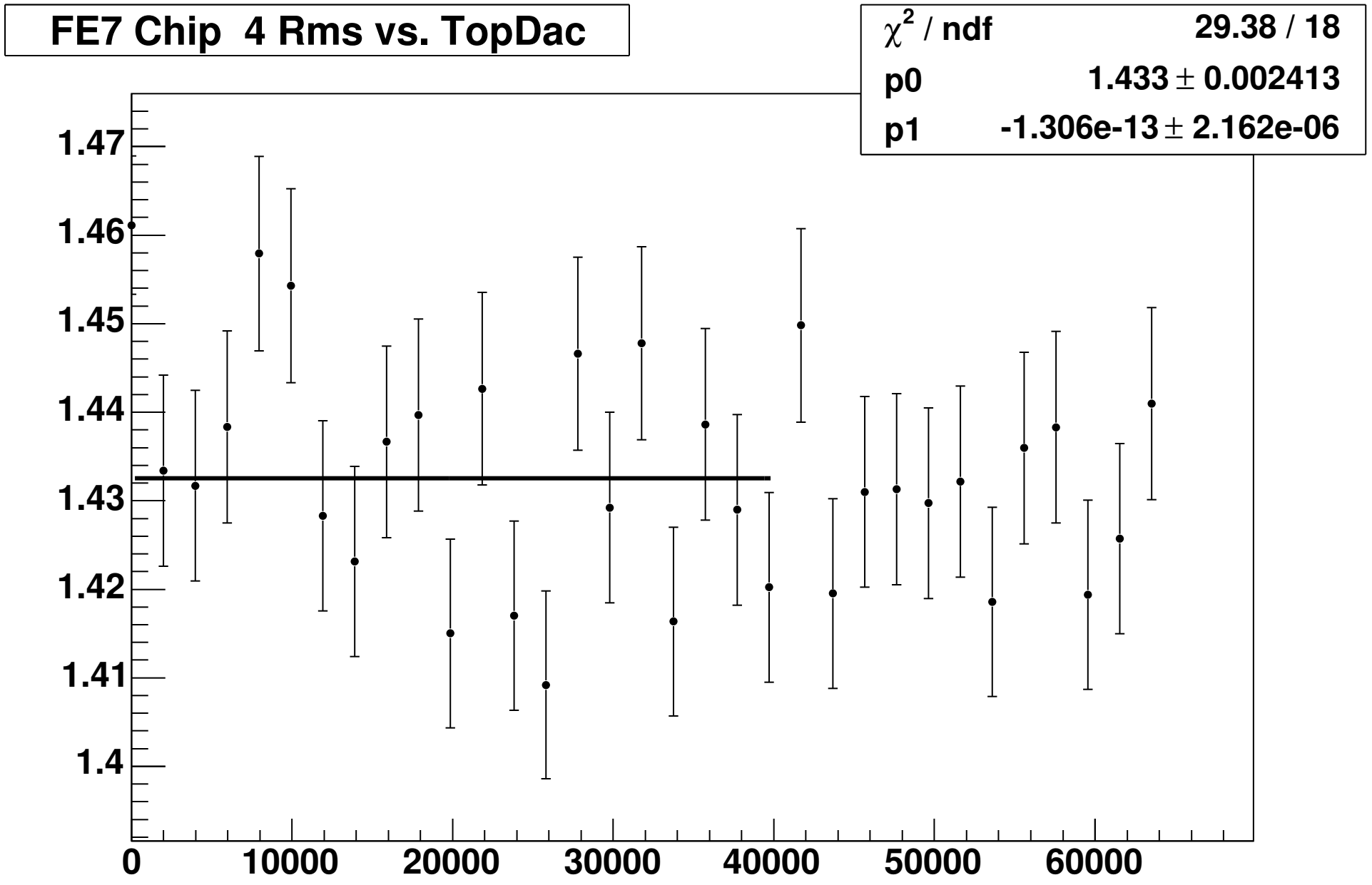
50000
60000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 3.847e+04 / 18
p0 37.09 ± 0.00721
p1 0.4521 ± 3.366e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 262.5 / 18
p0 1.352 ± 0.003947
p1 3.531e-05 ± 2.754e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 73.32 / 18
p0 37.46 ± 0.007087
p1 8.968e-07 ± 2.974e-07
37.58
37.56
37.54
37.52
37.5
37.48
37.46
37.44
37.42
37.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 29.38 / 18
p0 1.433 ± 0.002413
p1 -1.306e-13 ± 2.162e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
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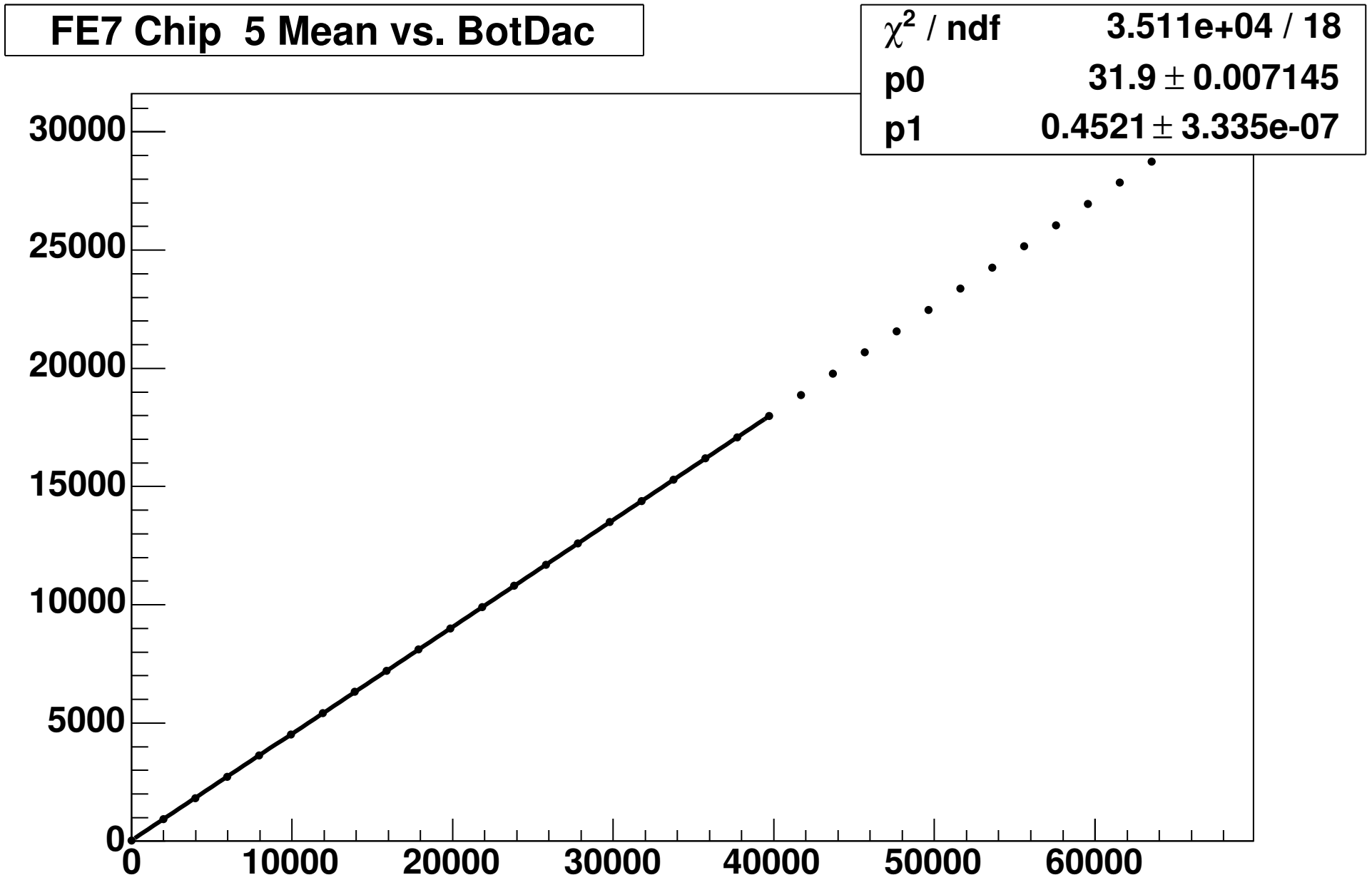
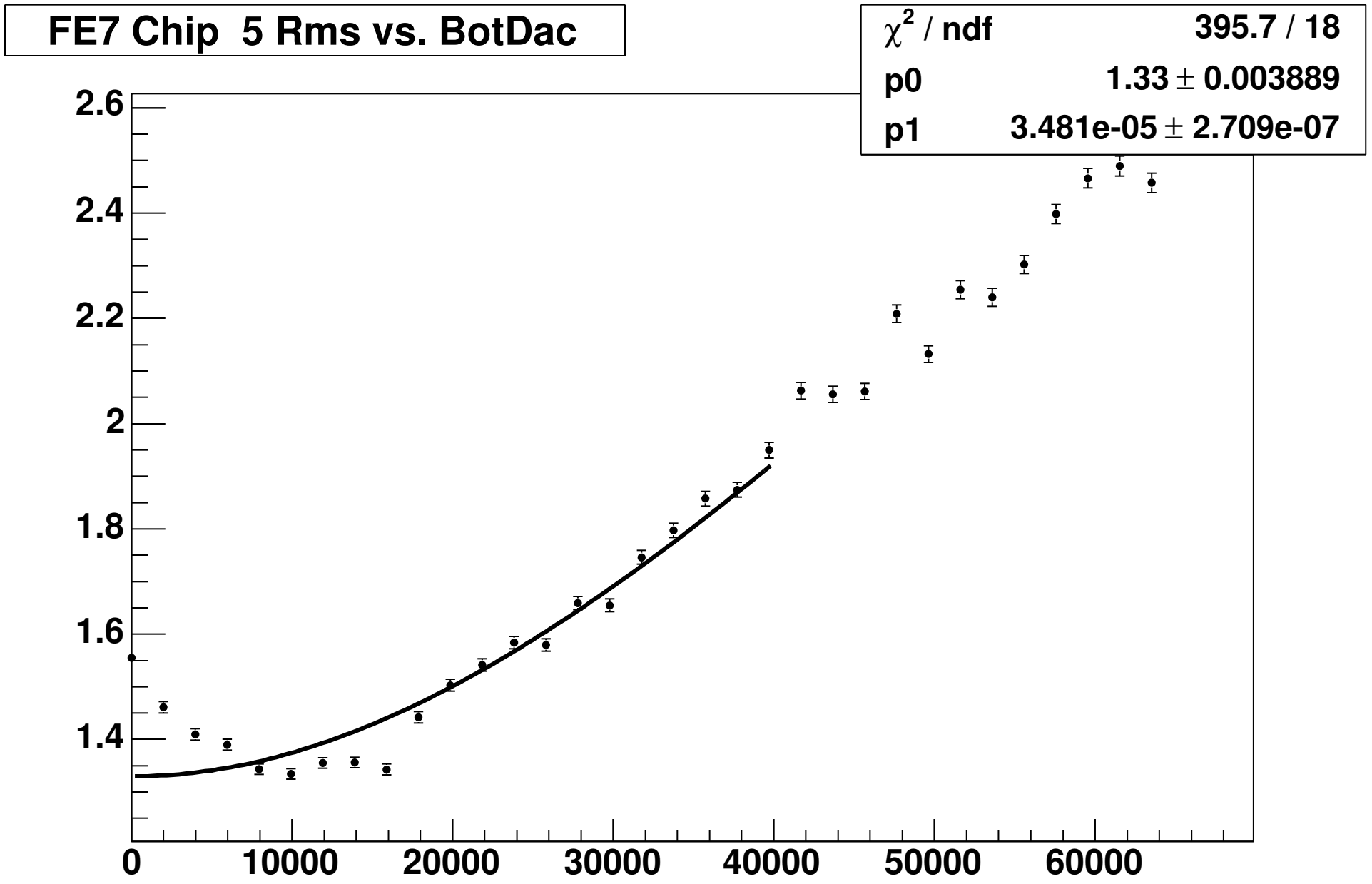
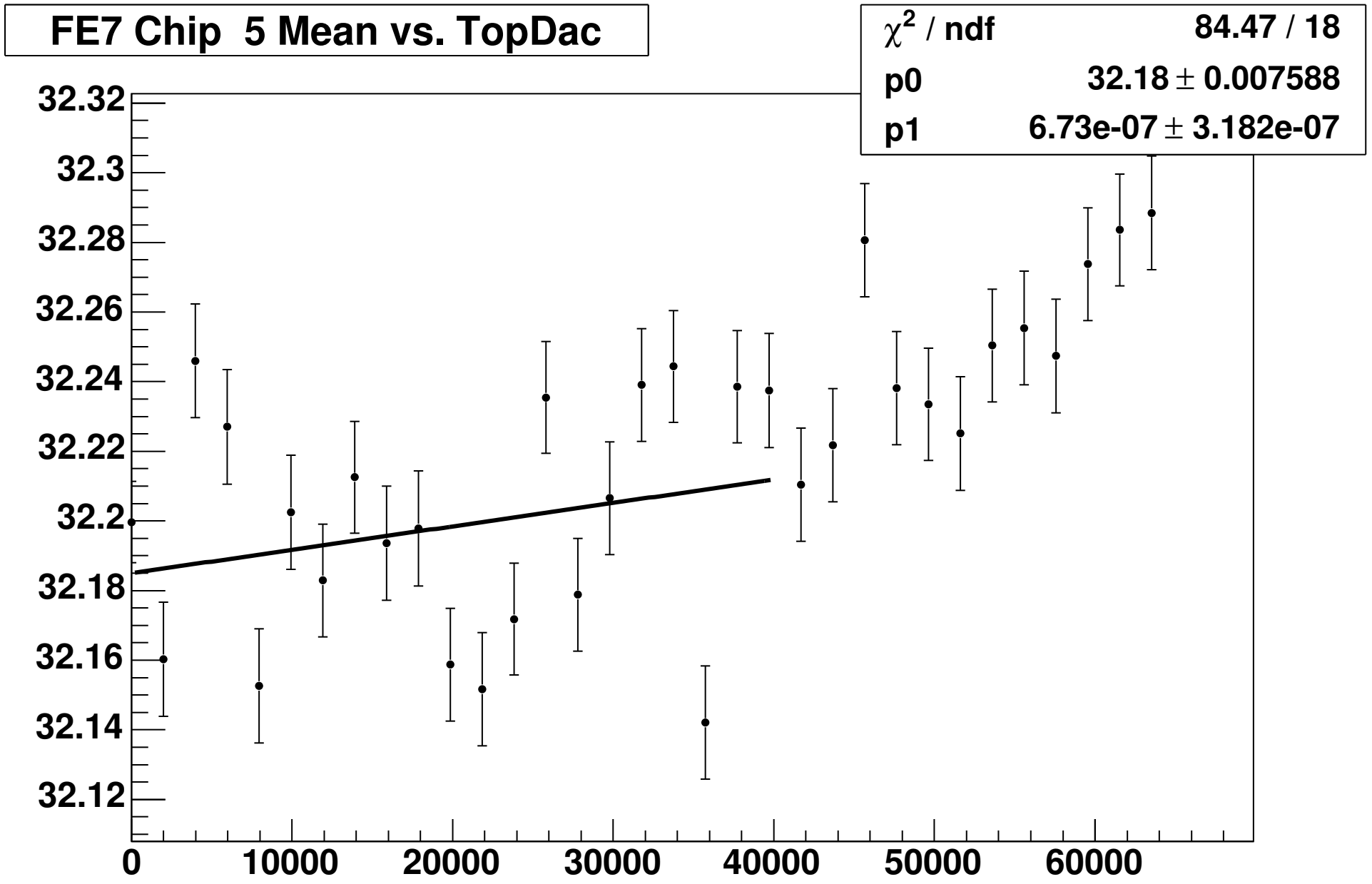
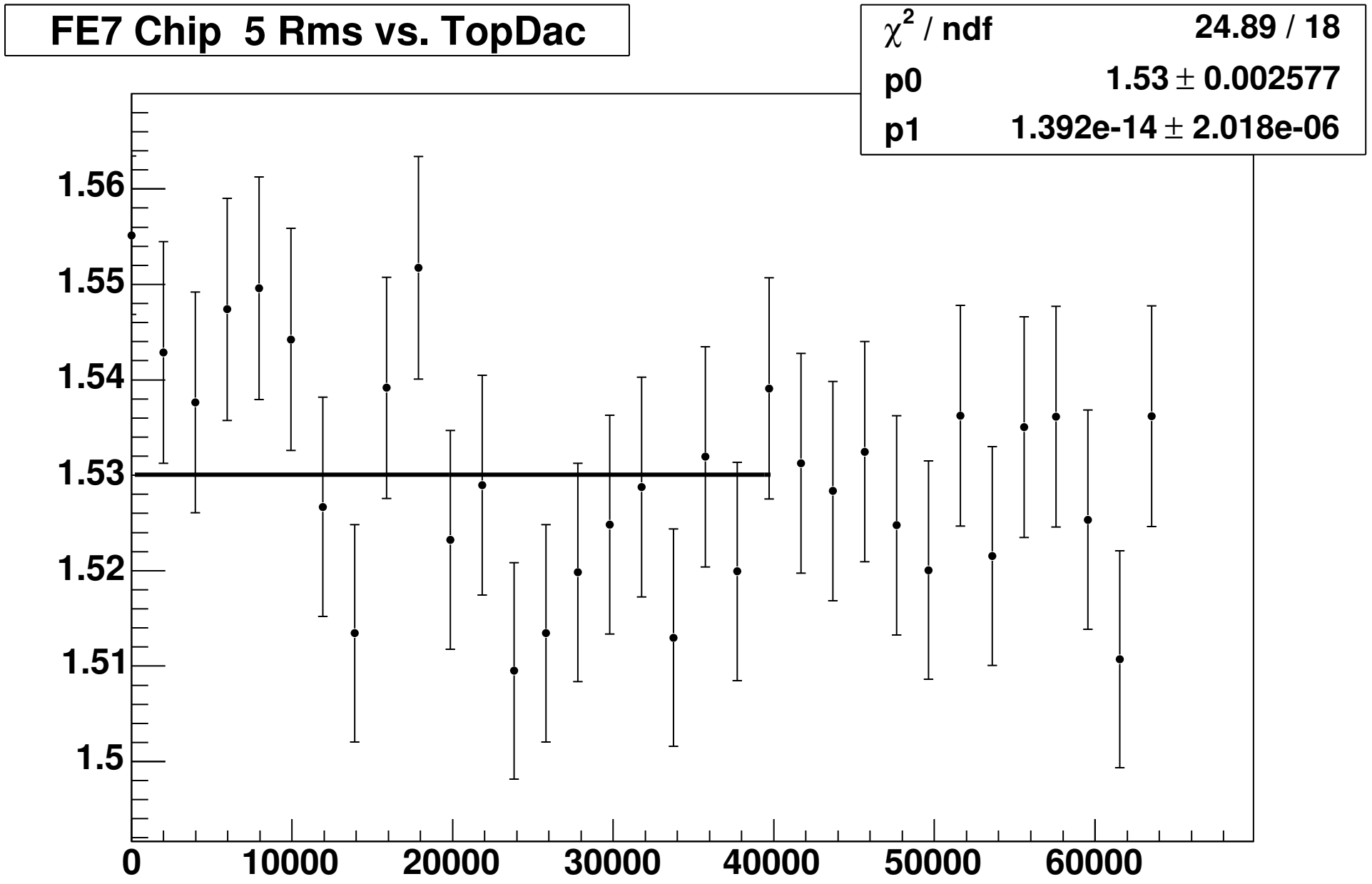
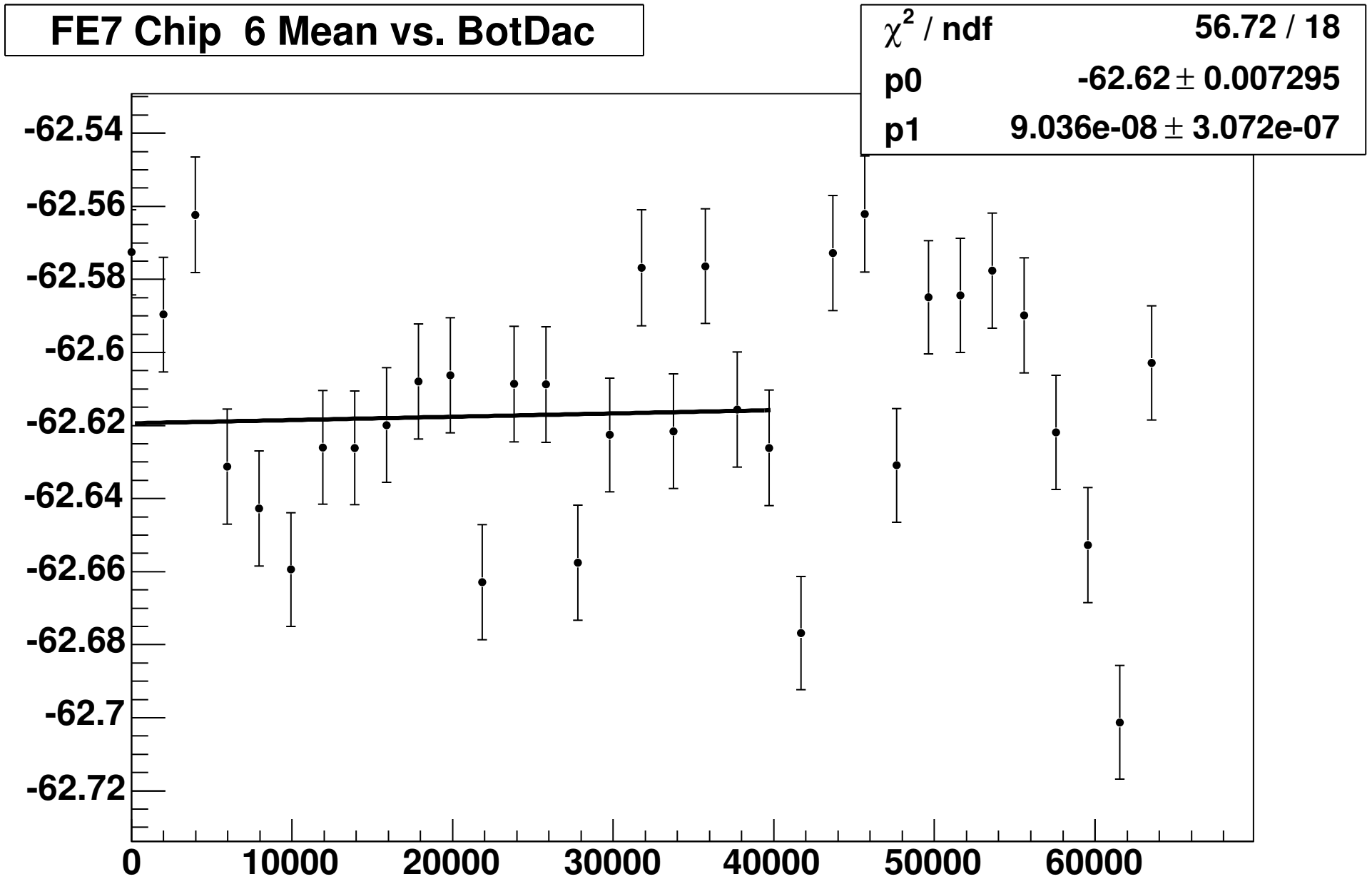
50000
60000

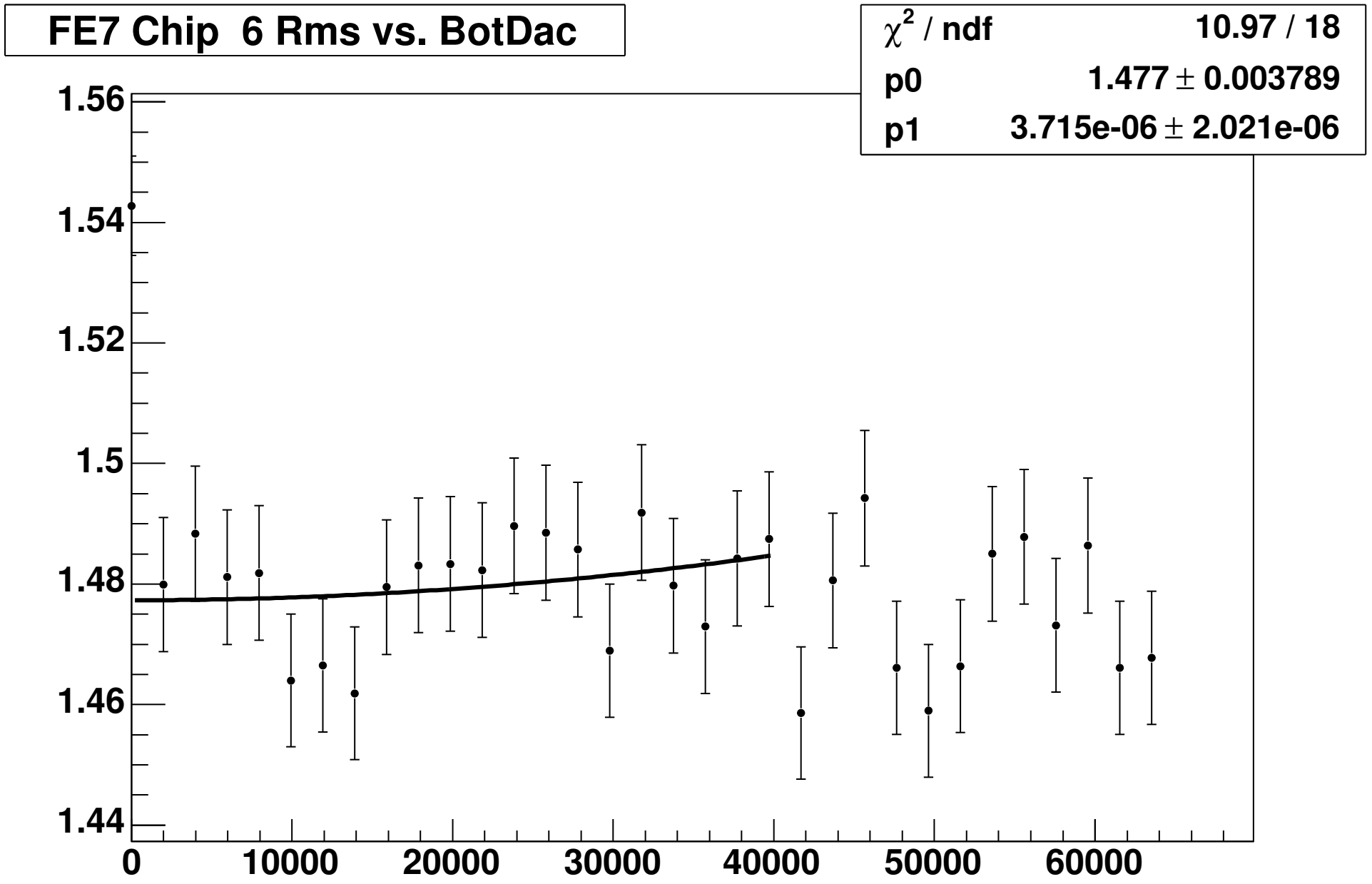

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.511e+04 / 18
p0 31.9 ± 0.007145
p1 0.4521 ± 3.335e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

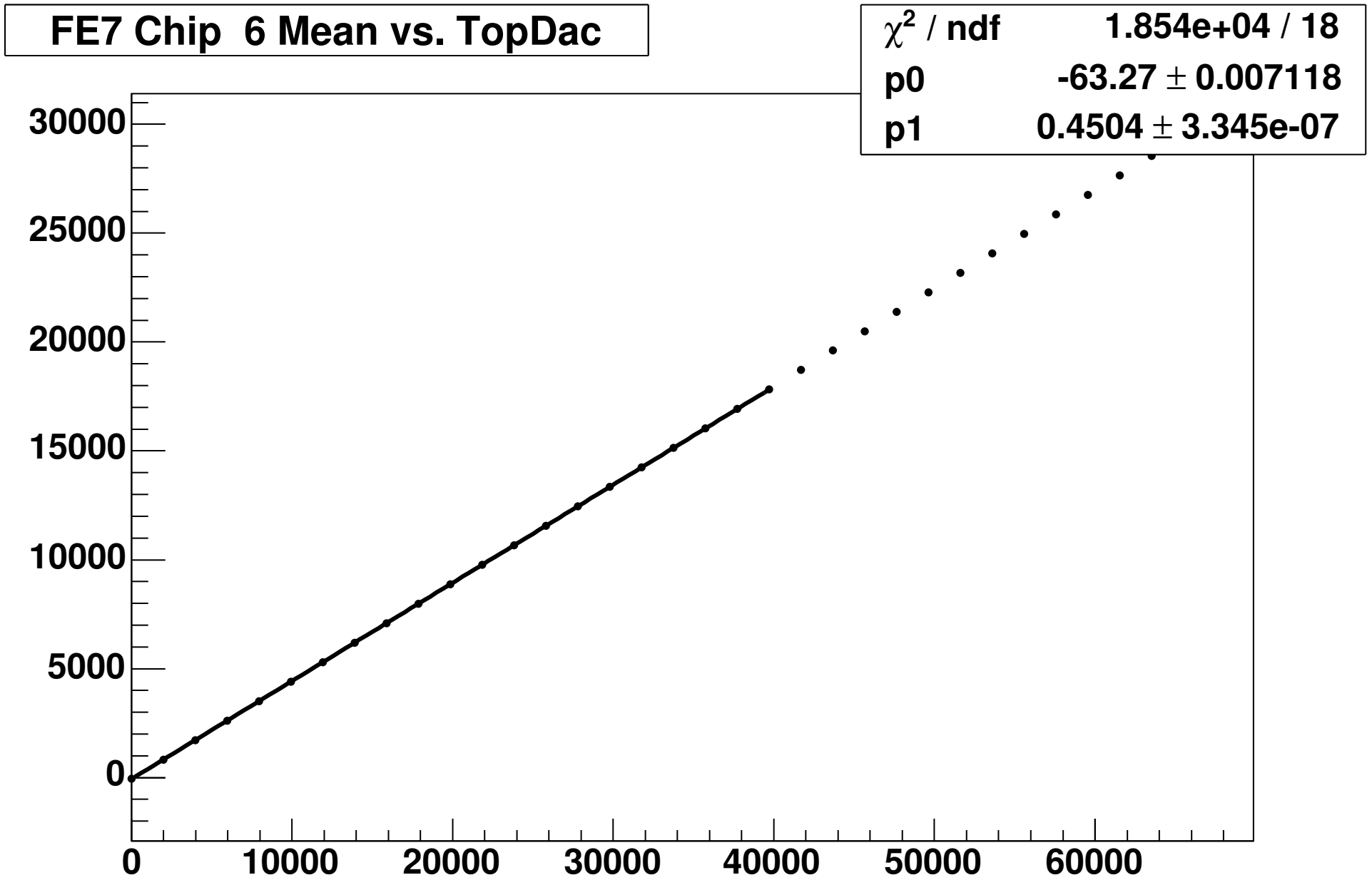

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 395.7 / 18
p0 1.33 ± 0.003889
p1 3.481e-05 ± 2.709e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

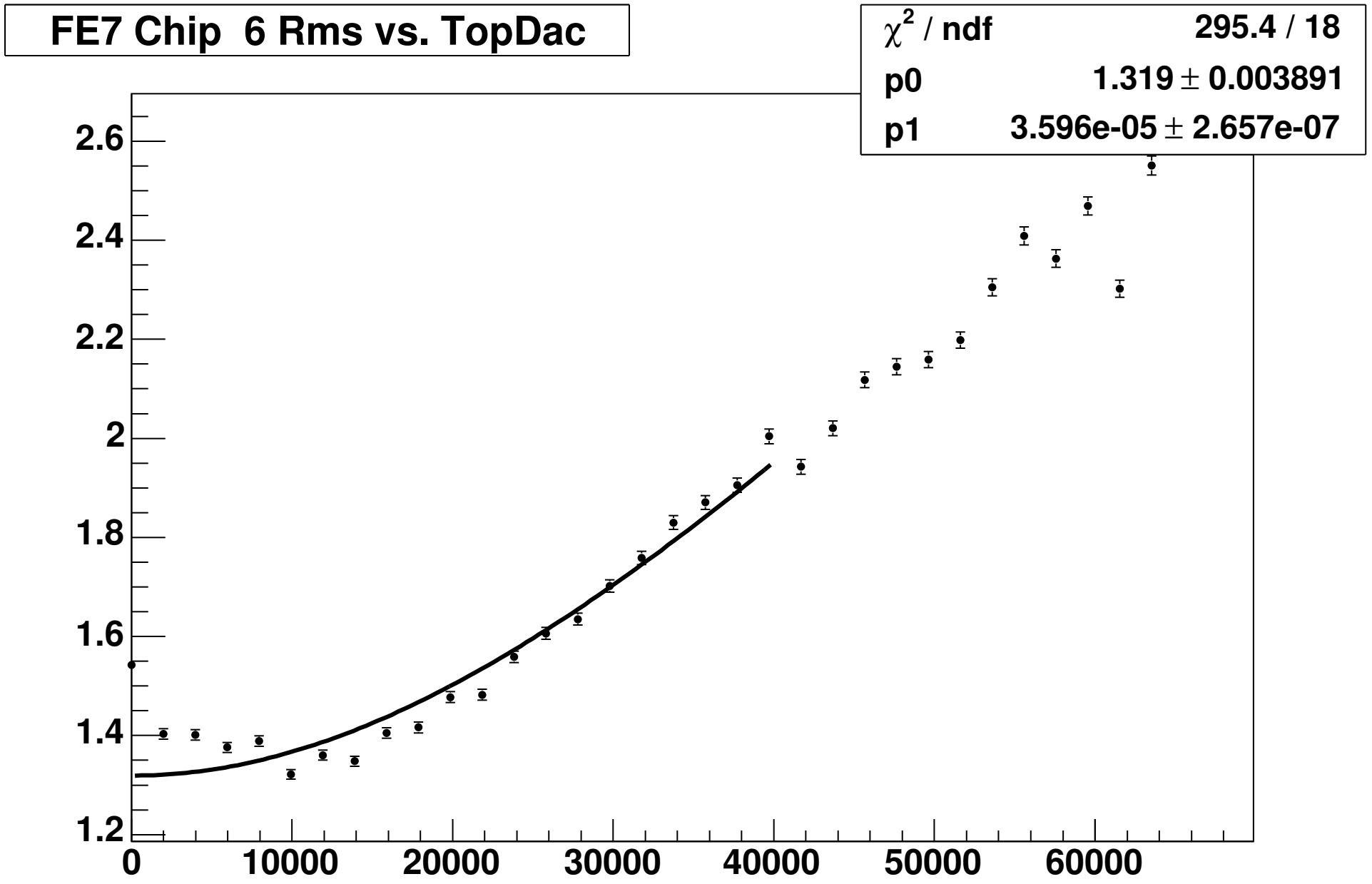

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 84.47 / 18
p0 32.18 ± 0.007588
p1 6.73e-07 ± 3.182e-07
32.32
32.3
32.28
32.26
32.24
32.22
32.2
32.18
32.16
32.14
32.12
0
10000
20000
30000
40000
50000
60000

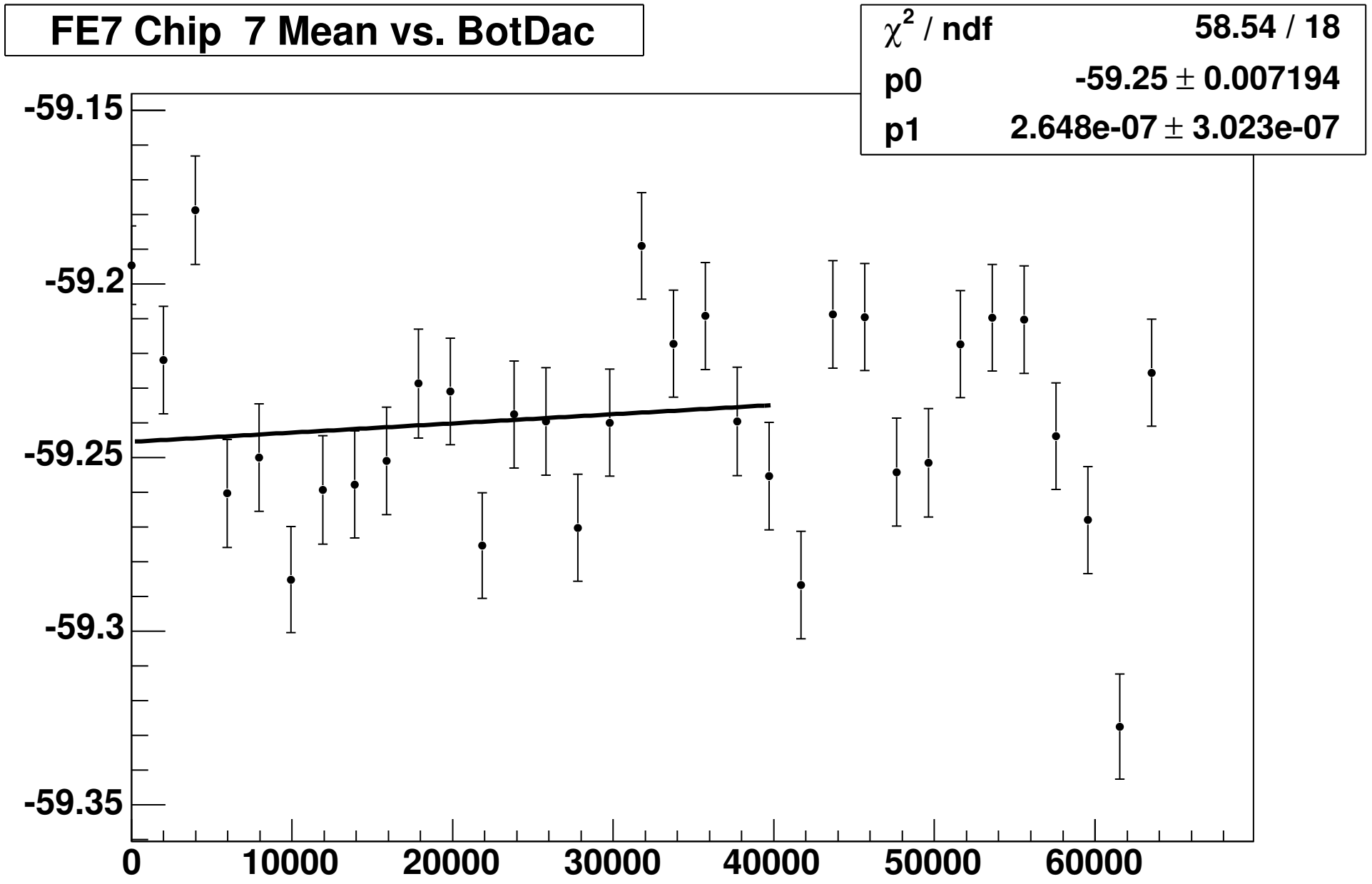

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 24.89 / 18
p0 1.53 ± 0.002577
p1 1.392e-14 ± 2.018e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

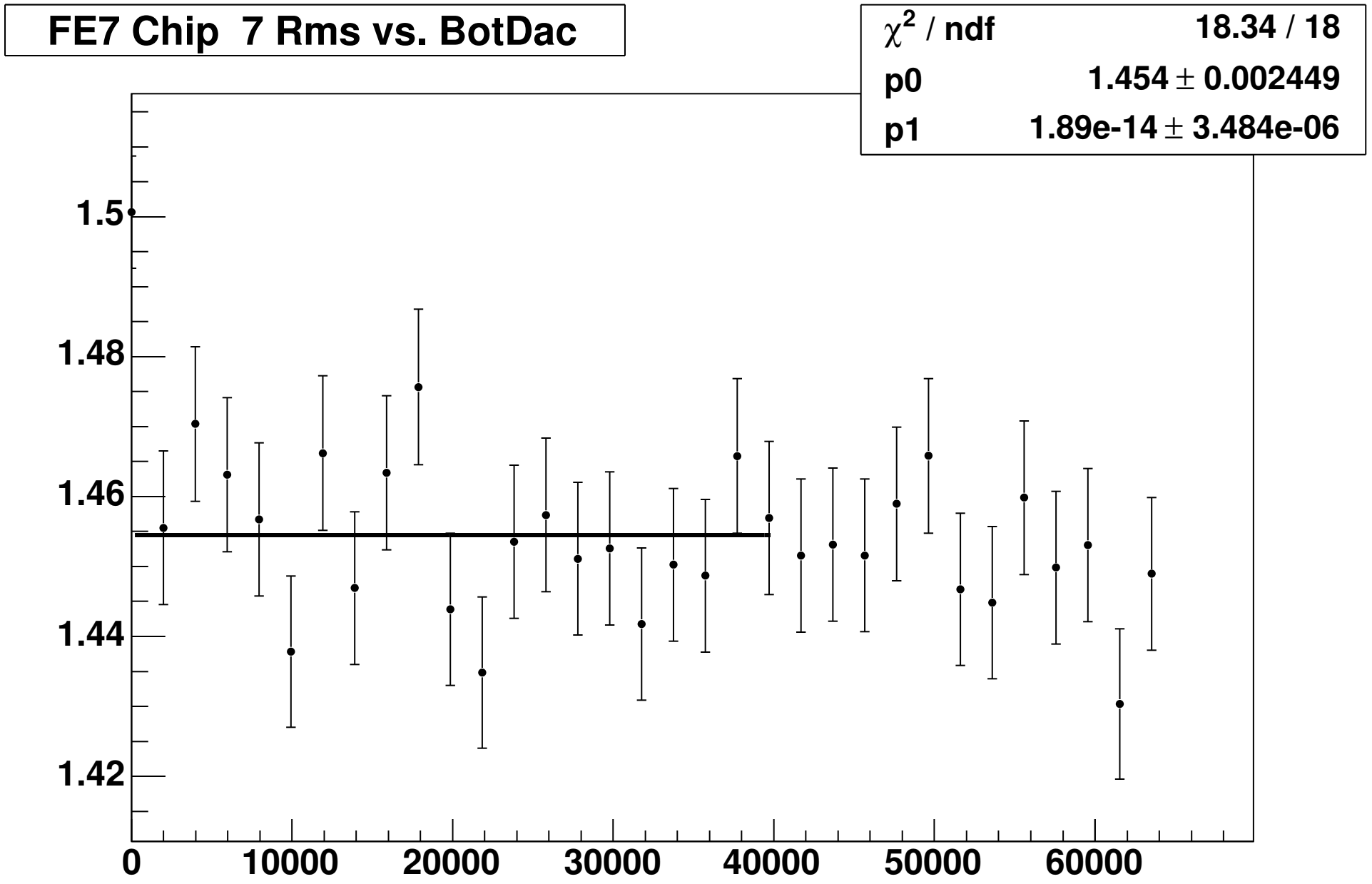

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 56.72 / 18
p0 -62.62 ± 0.007295
p1 9.036e-08 ± 3.072e-07
-62.54
-62.56
-62.58
-62.6
-62.62
-62.64
-62.66
-62.68
-62.7
-62.72
0
10000
20000
30000
40000
50000
60000

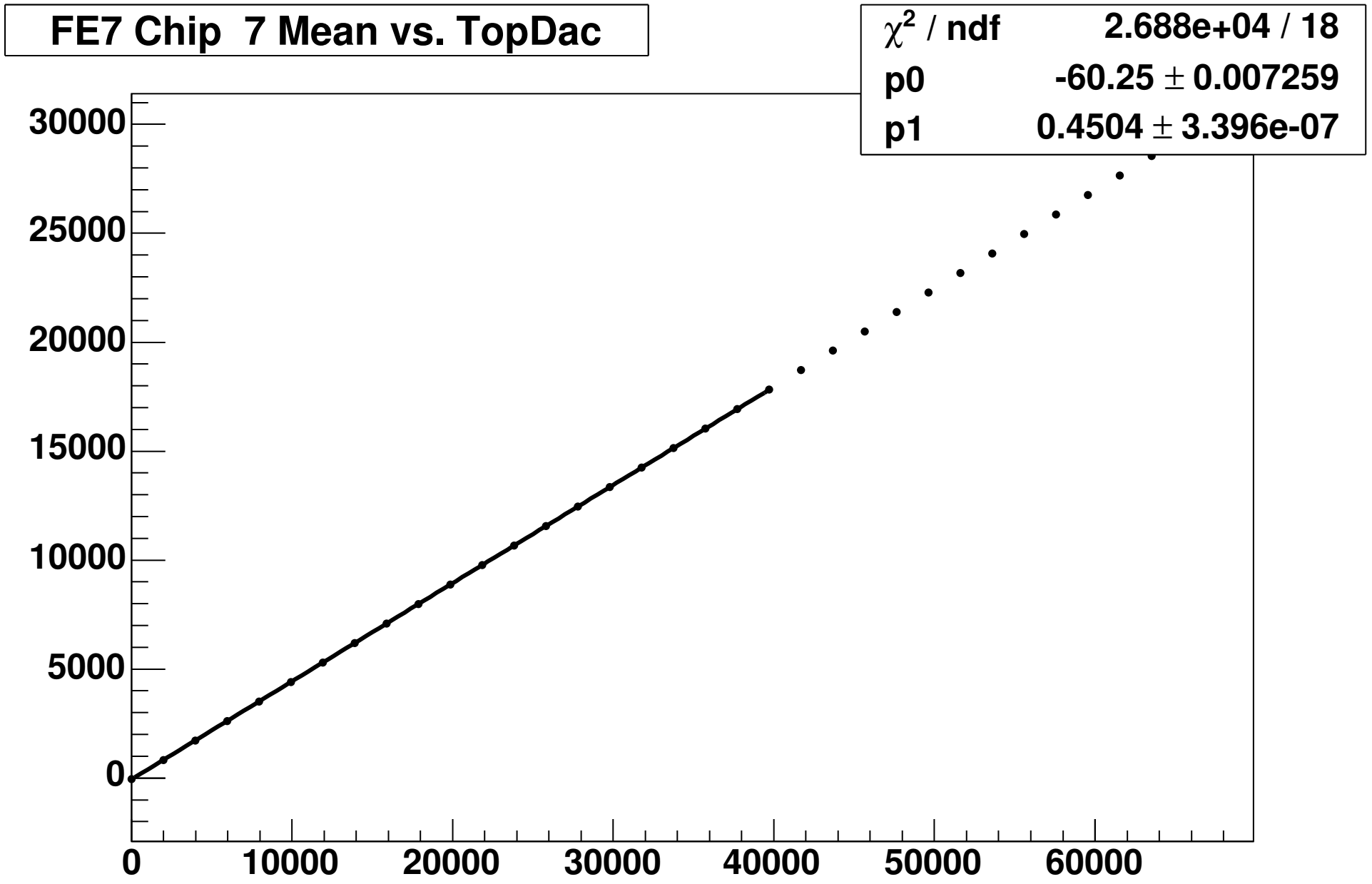

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 10.97 / 18
p0 1.477 ± 0.003789
p1 3.715e-06 ± 2.021e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

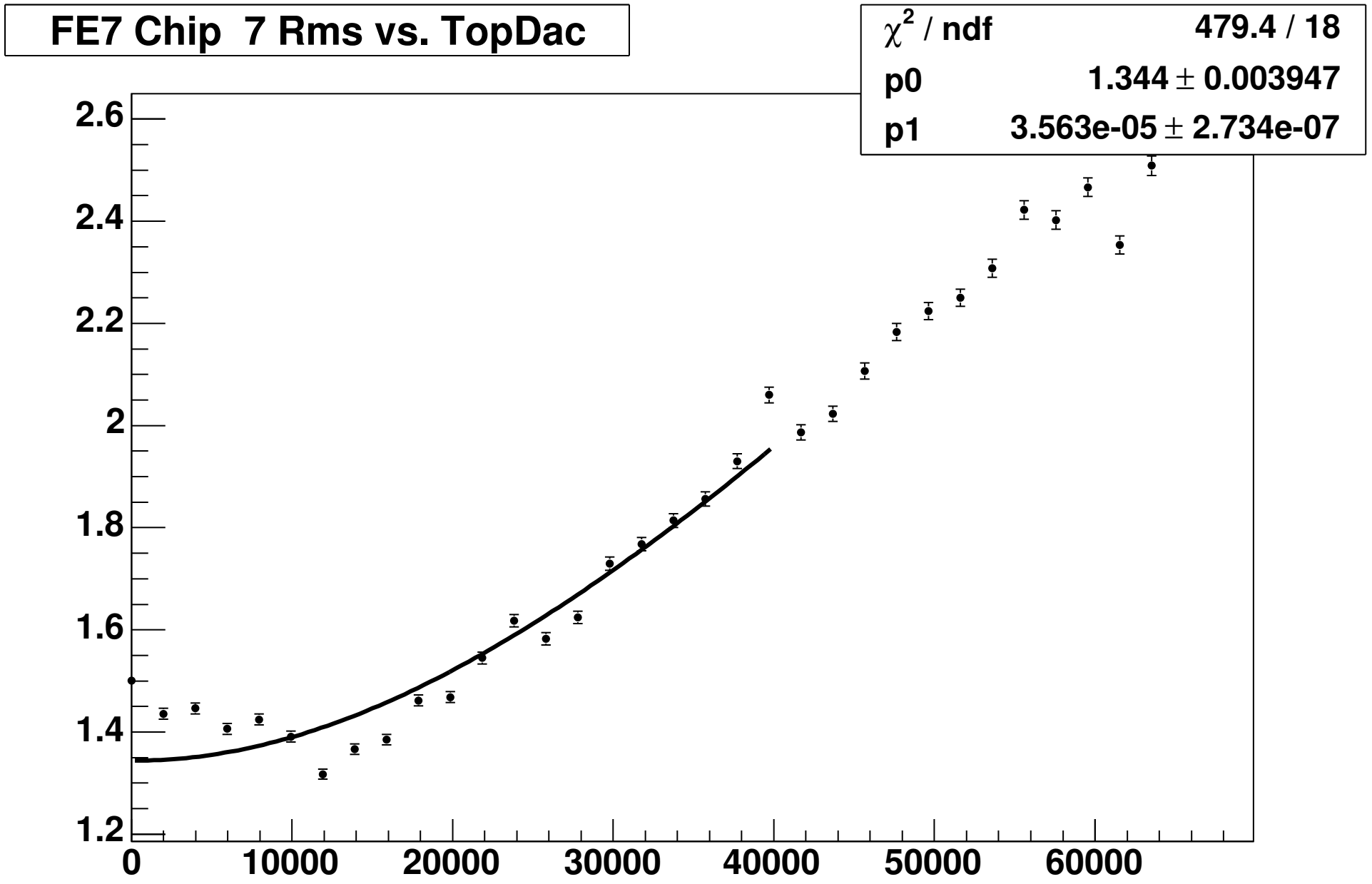

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.854e+04 / 18
p0 -63.27 ± 0.007118
p1 0.4504 ± 3.345e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

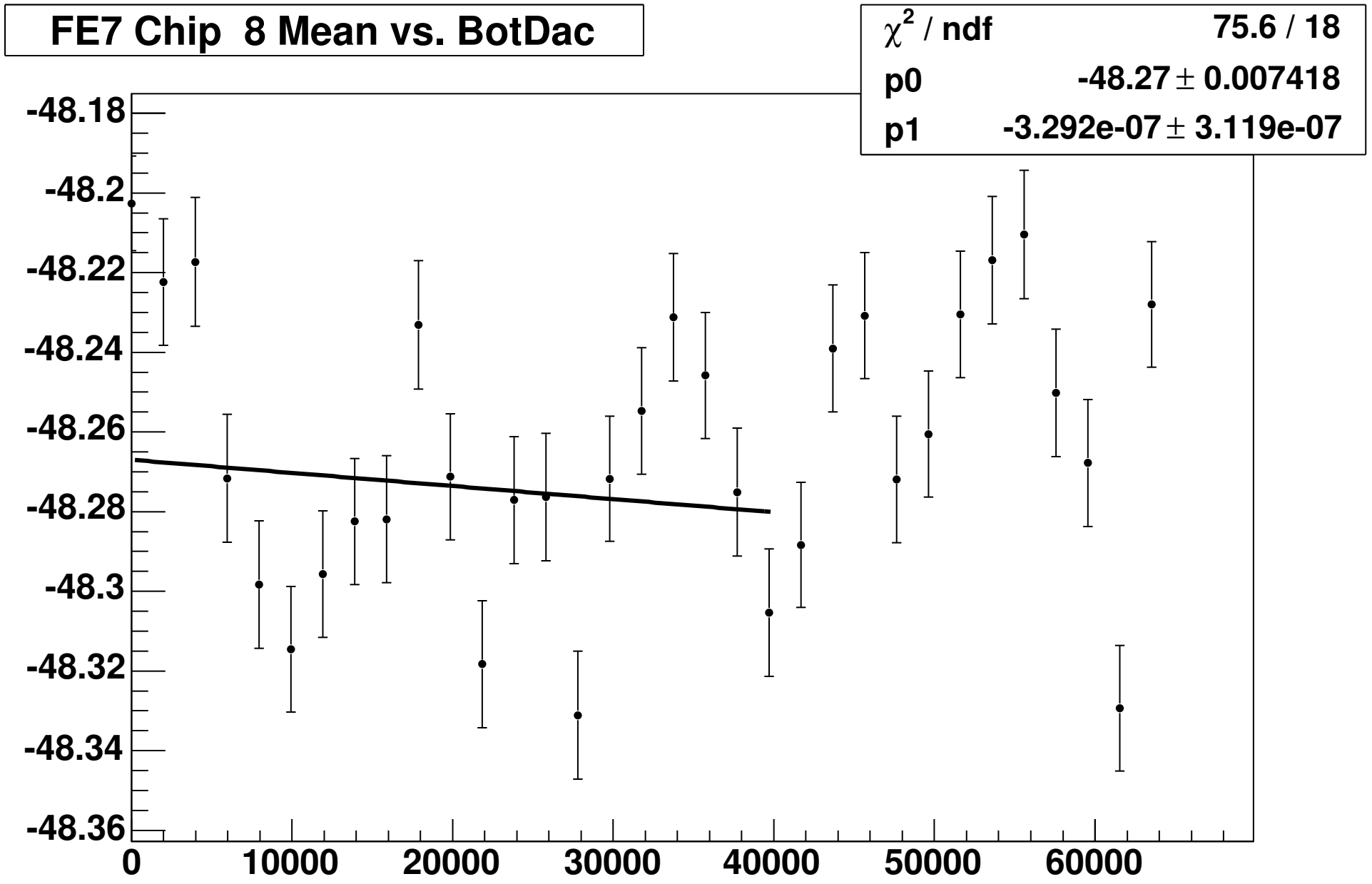

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 295.4 / 18
p0 1.319 ± 0.003891
p1 3.596e-05 ± 2.657e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

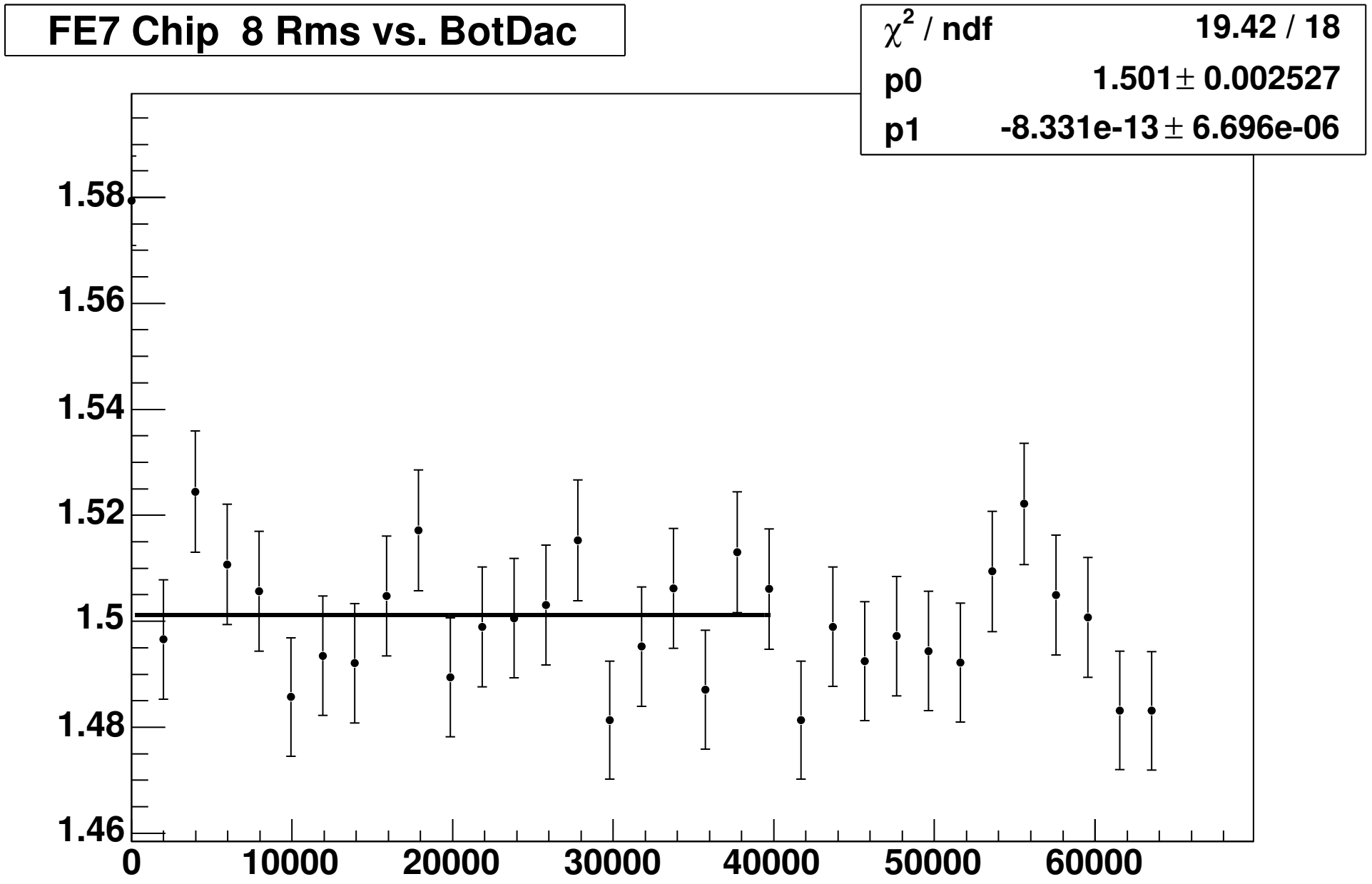

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 58.54 / 18
p0 -59.25 ± 0.007194
p1 2.648e-07 ± 3.023e-07
-59.15
-59.2
-59.25
-59.3
-59.35
0
10000
20000
30000
40000
50000
60000

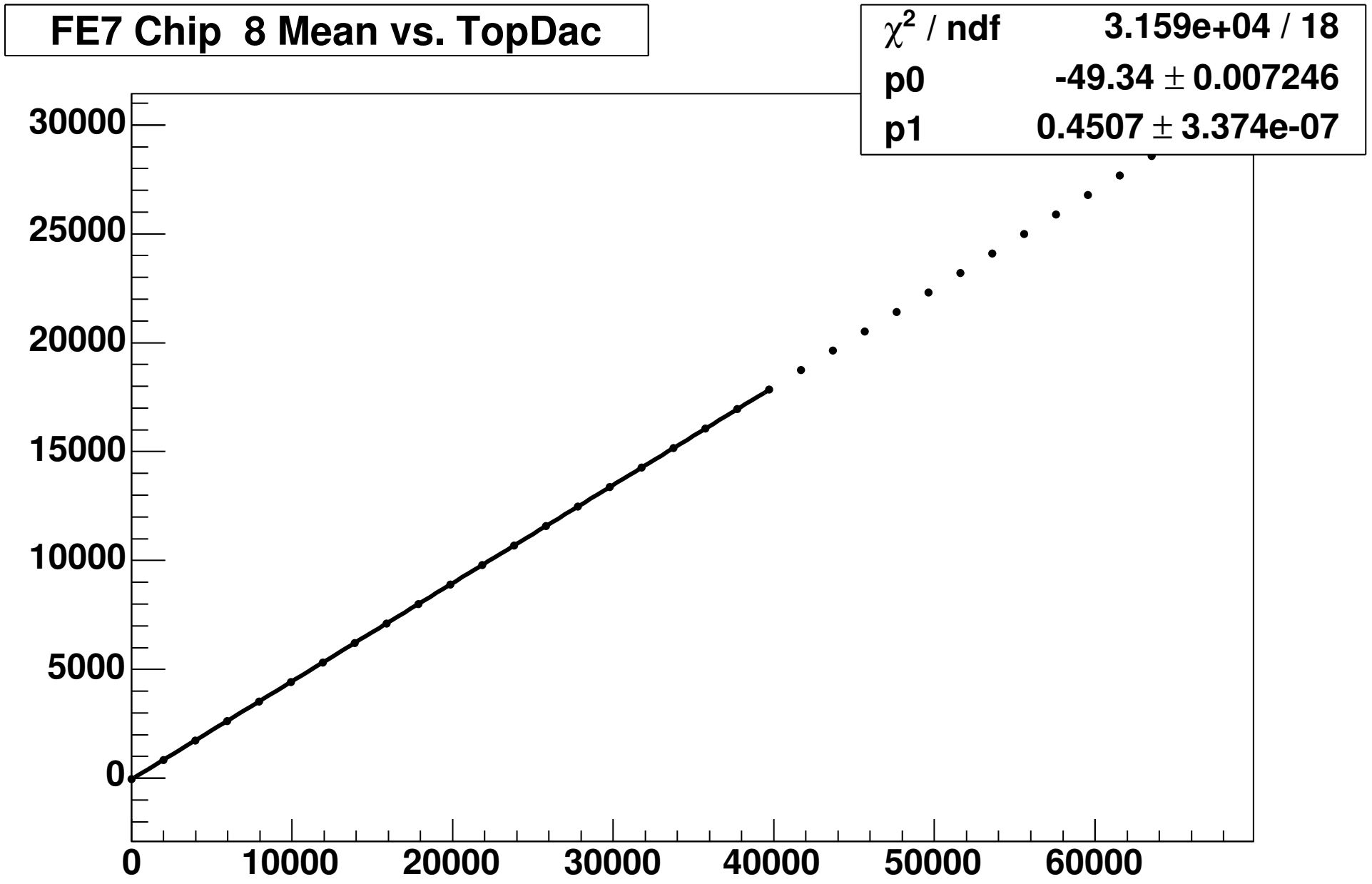

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 18.34 / 18
p0 1.454 ± 0.002449
p1 1.89e-14 ± 3.484e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

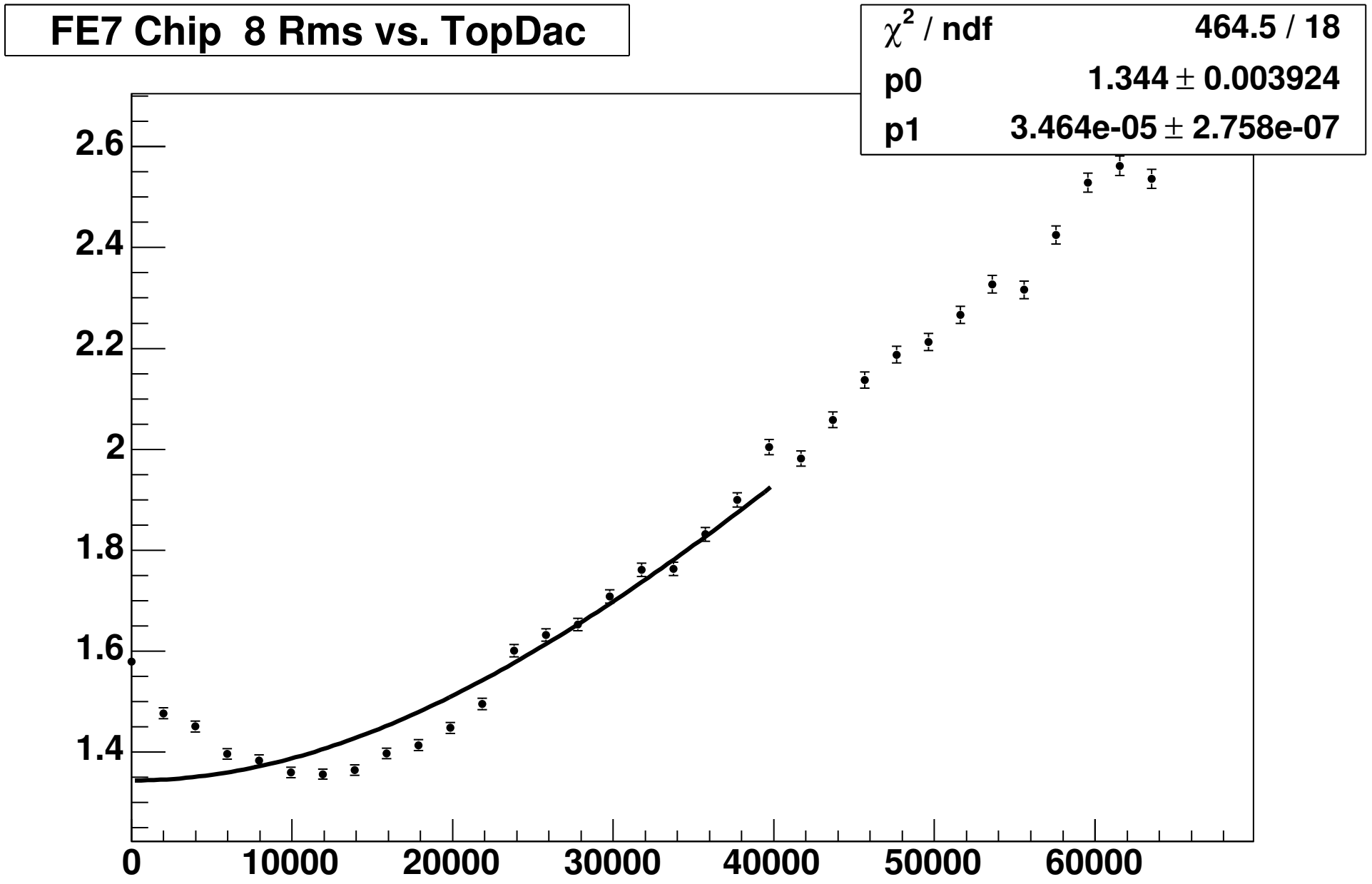

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 2.688e+04 / 18
p0 -60.25 ± 0.007259
p1 0.4504 ± 3.396e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

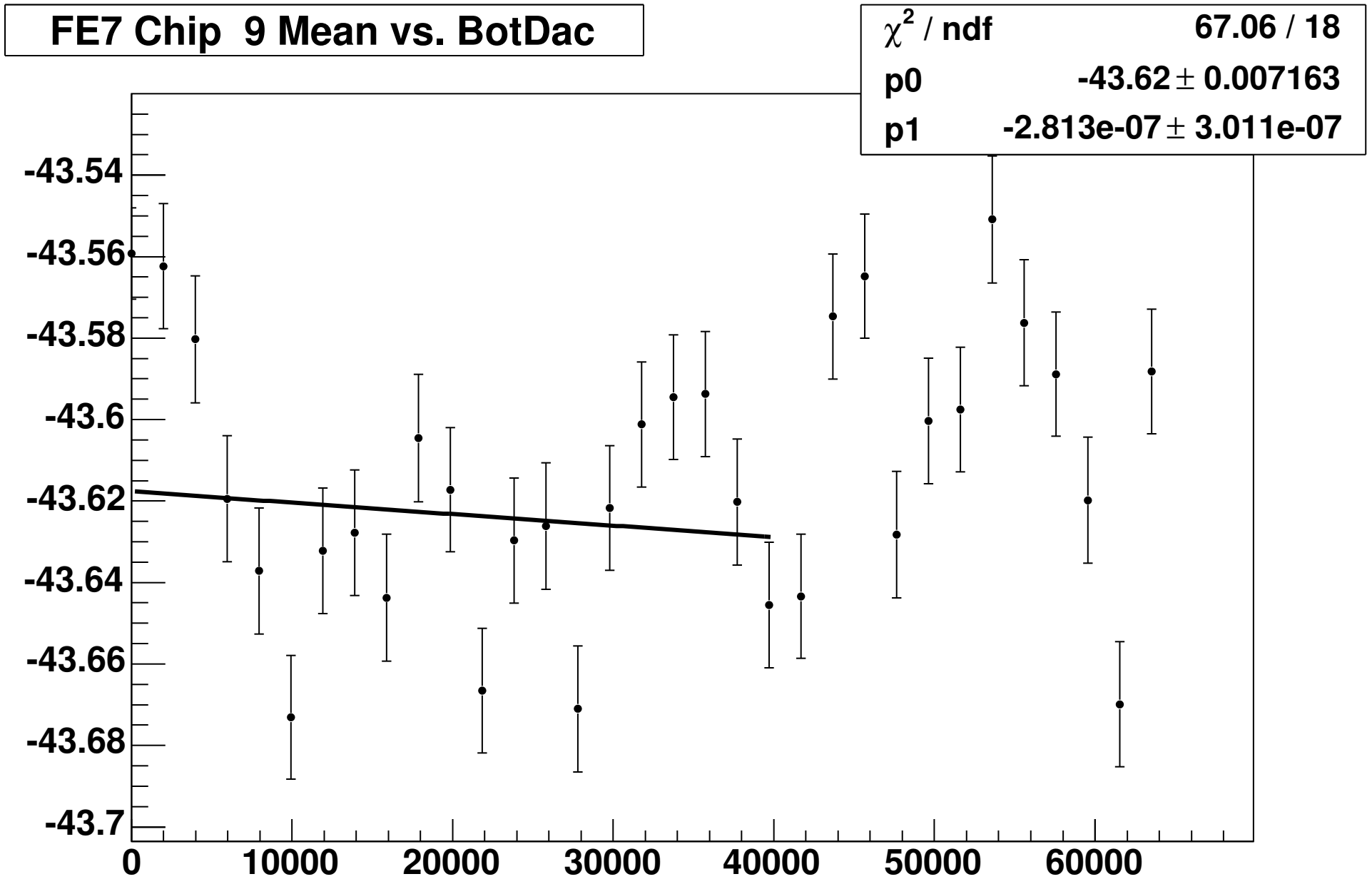

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 479.4 / 18
p0 1.344 ± 0.003947
p1 3.563e-05 ± 2.734e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

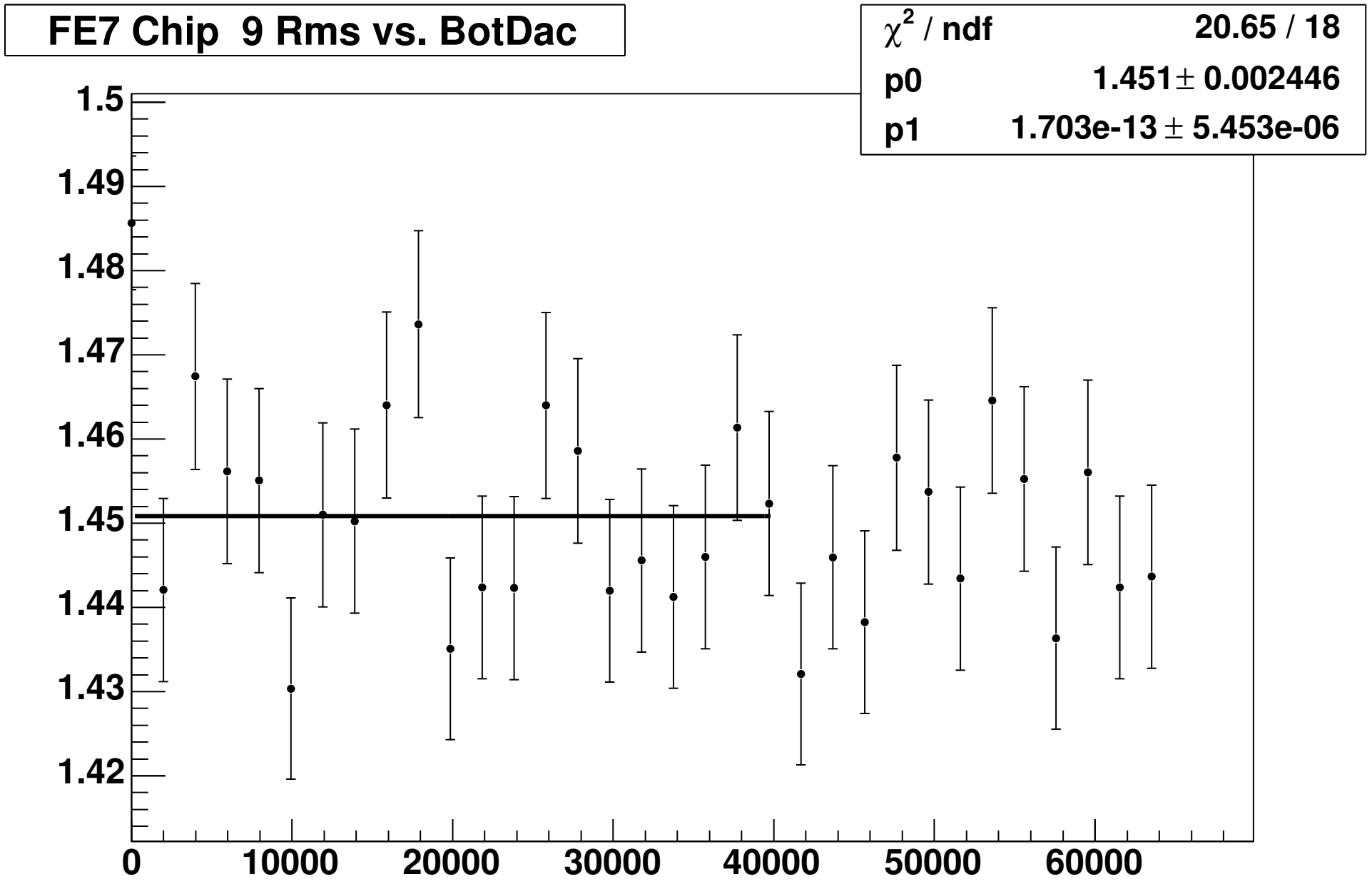

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 75.6 / 18
p0 -48.27 ± 0.007418
p1 -3.292e-07 ± 3.119e-07
-48.18
-48.2
-48.22
-48.24
-48.26
-48.28
-48.3
-48.32
-48.34
-48.36
0
10000
20000
30000
40000
50000
60000

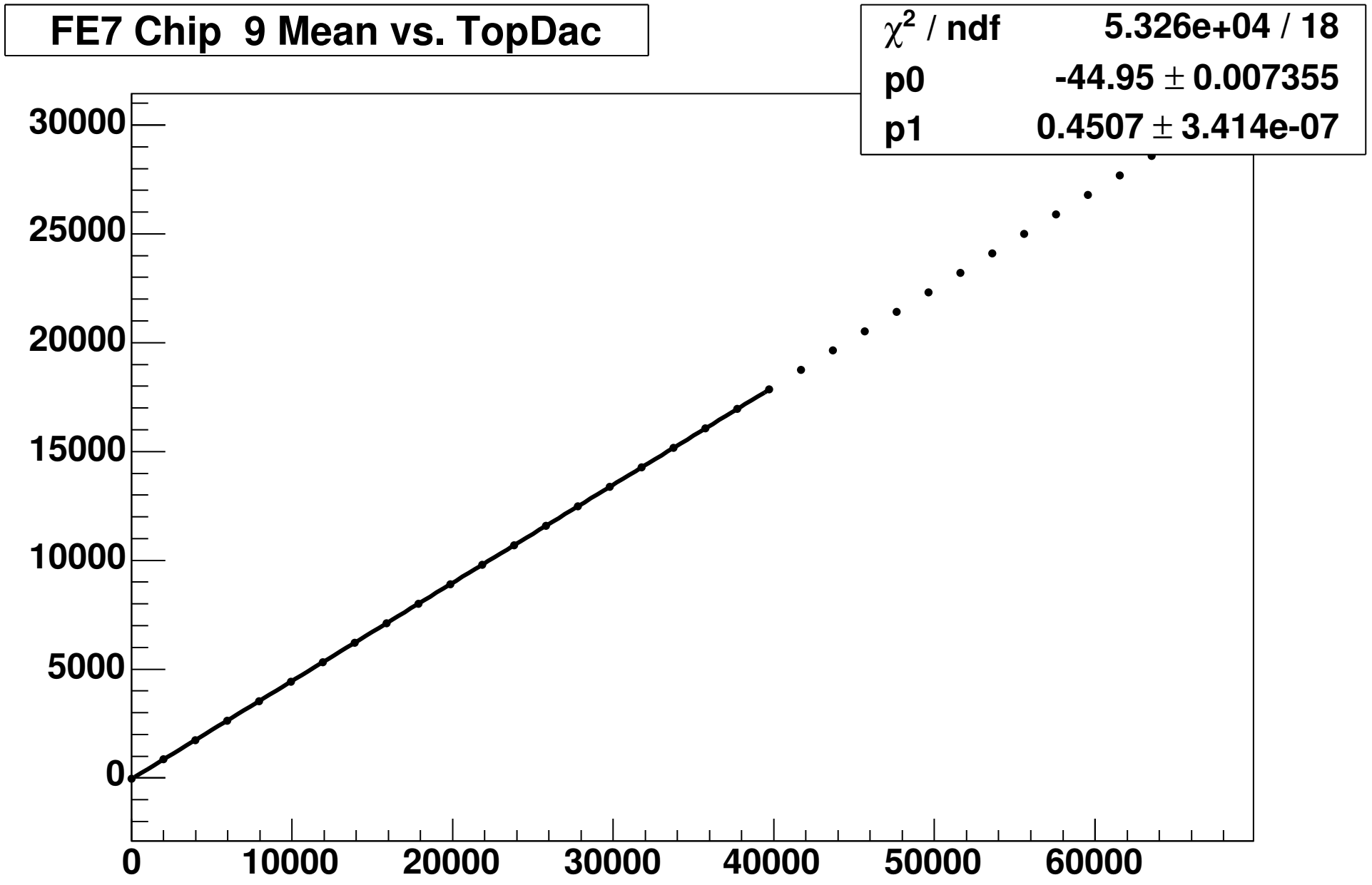

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 19.42 / 18
p0 1.501 ± 0.002527
p1 -8.331e-13 ± 6.696e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

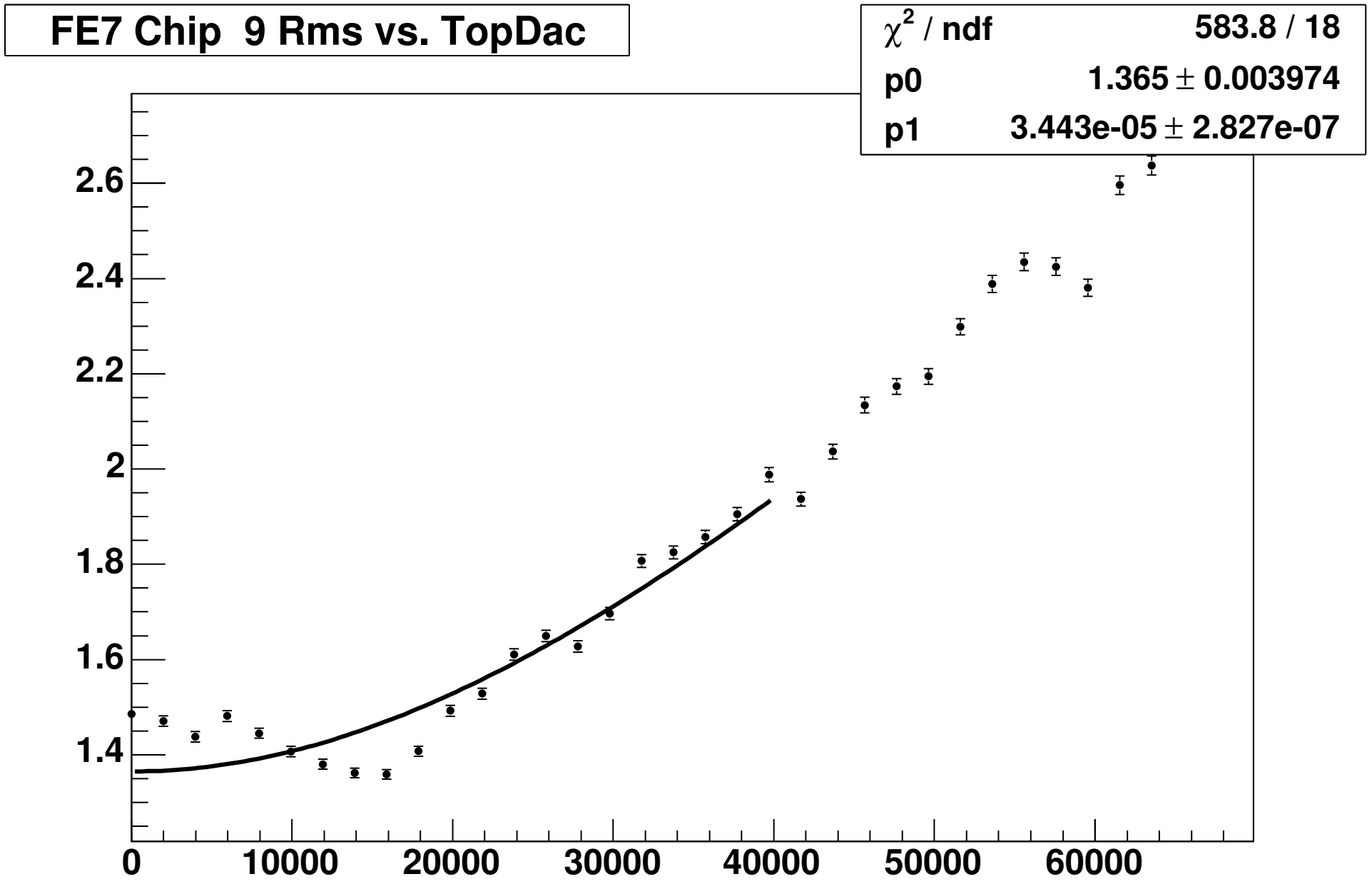

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 3.159e+04 / 18
p0 -49.34 ± 0.007246
p1 0.4507 ± 3.374e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

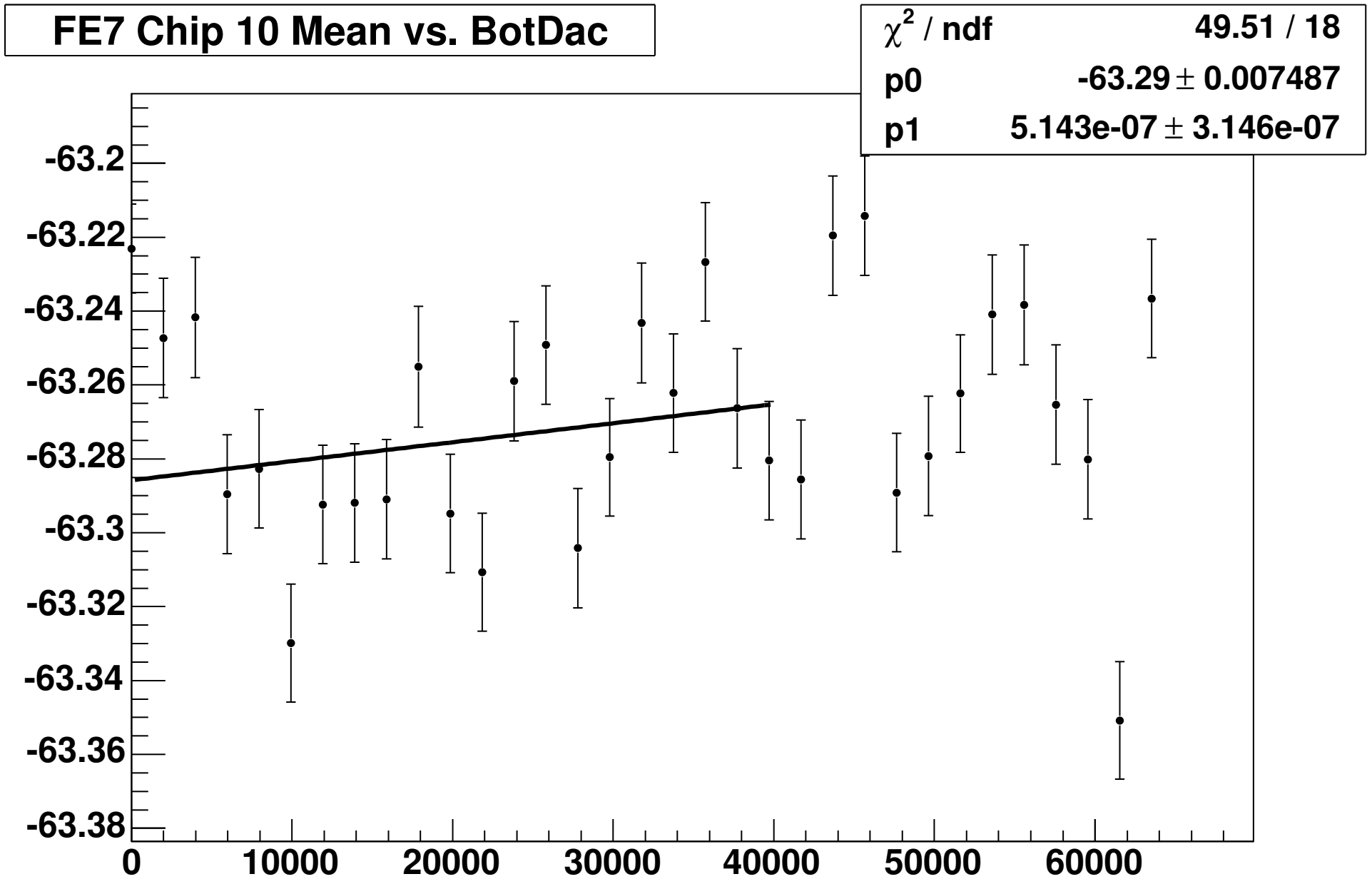

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 464.5 / 18
p0 1.344 ± 0.003924
p1 3.464e-05 ± 2.758e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

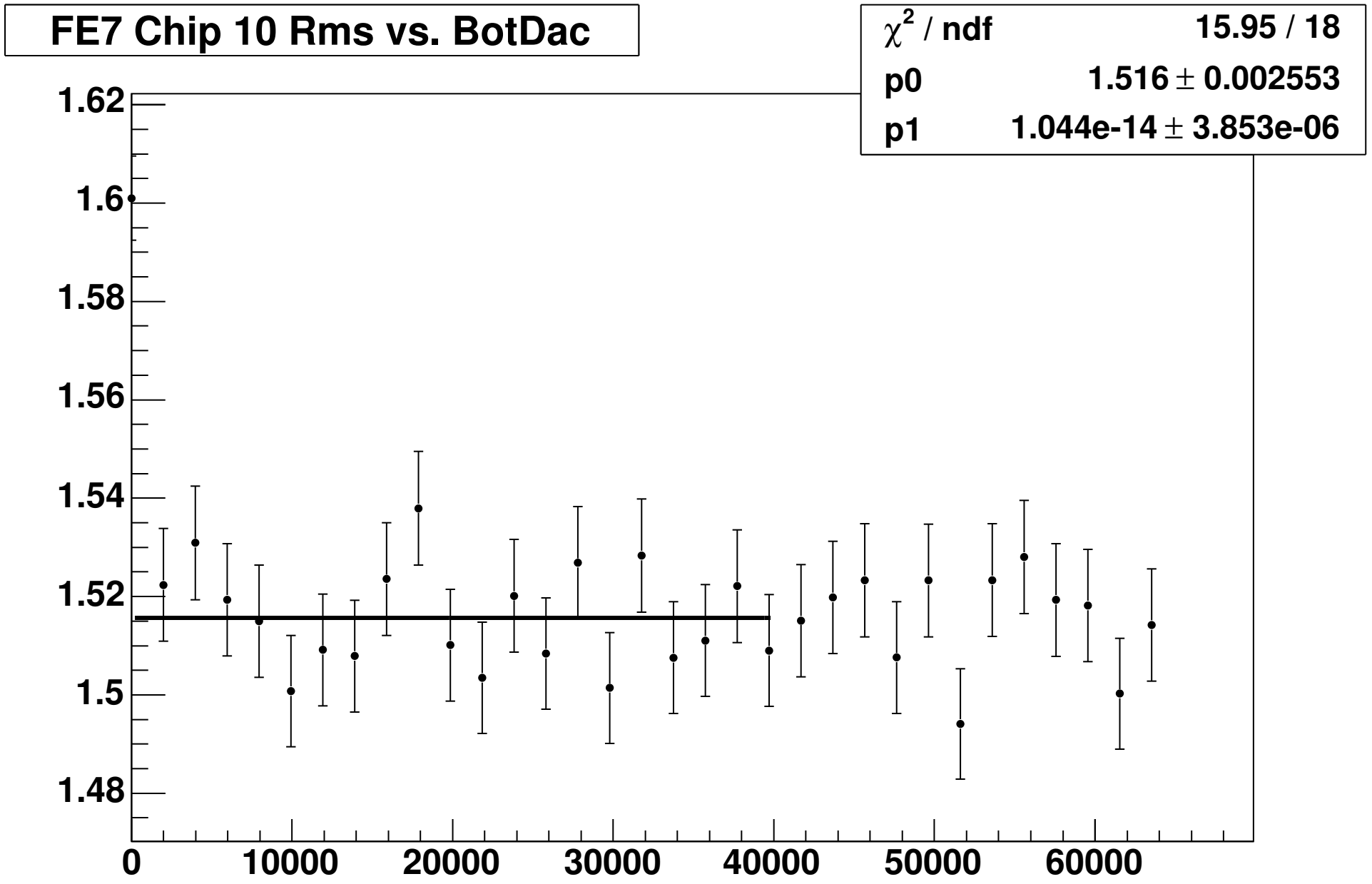

FE7 Chip 9 Mean vs. BotDac
χ^2 / ndf 67.06 / 18
p0 -43.62 ± 0.007163
p1 -2.813e-07 ± 3.011e-07
-43.54
-43.56
-43.58
-43.6
-43.62
-43.64
-43.66
-43.68
-43.7
0
10000
20000
30000
40000
50000
60000

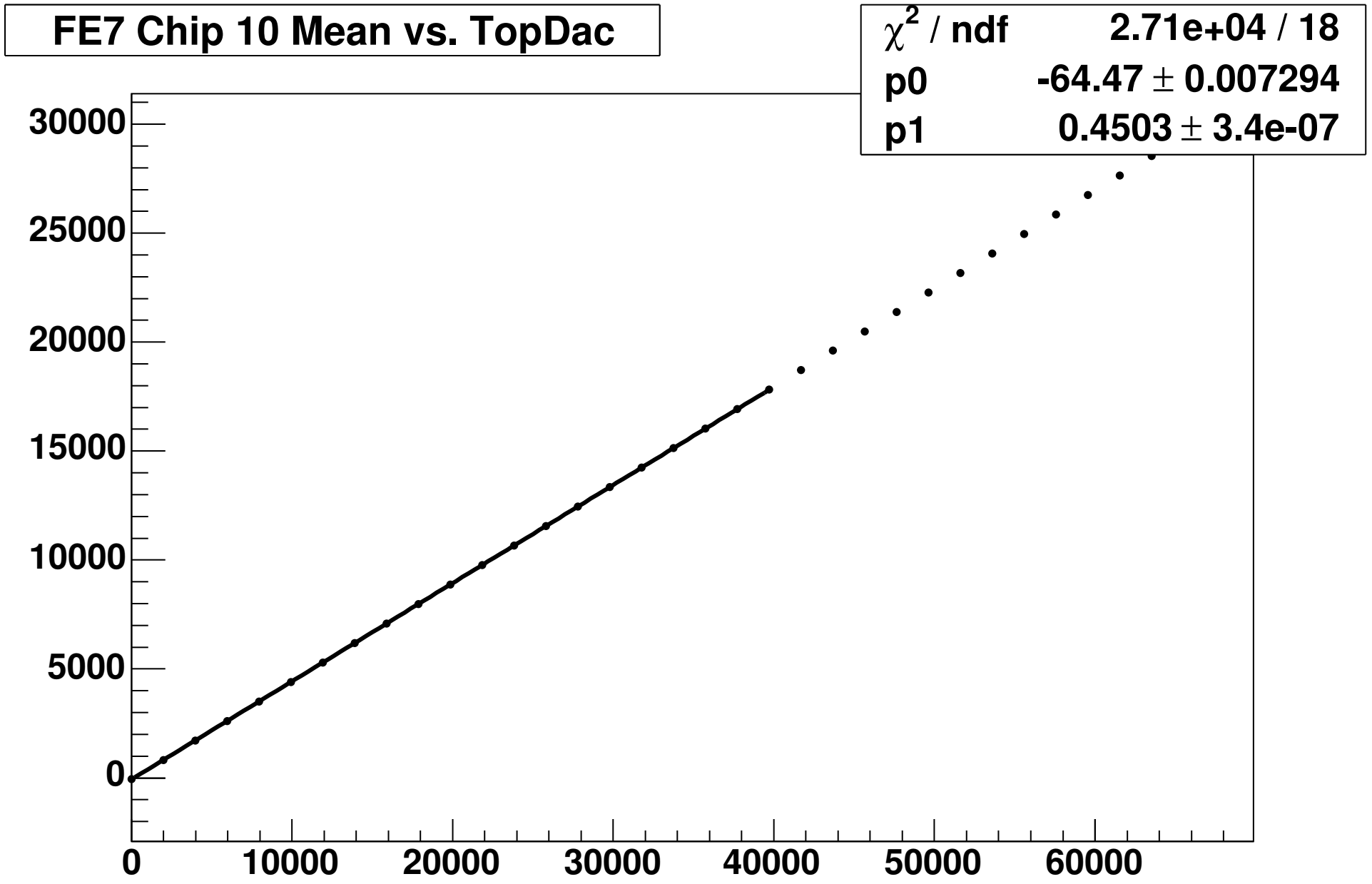

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 20.65 / 18
p0 1.451 ± 0.002446
p1 1.703e-13 ± 5.453e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

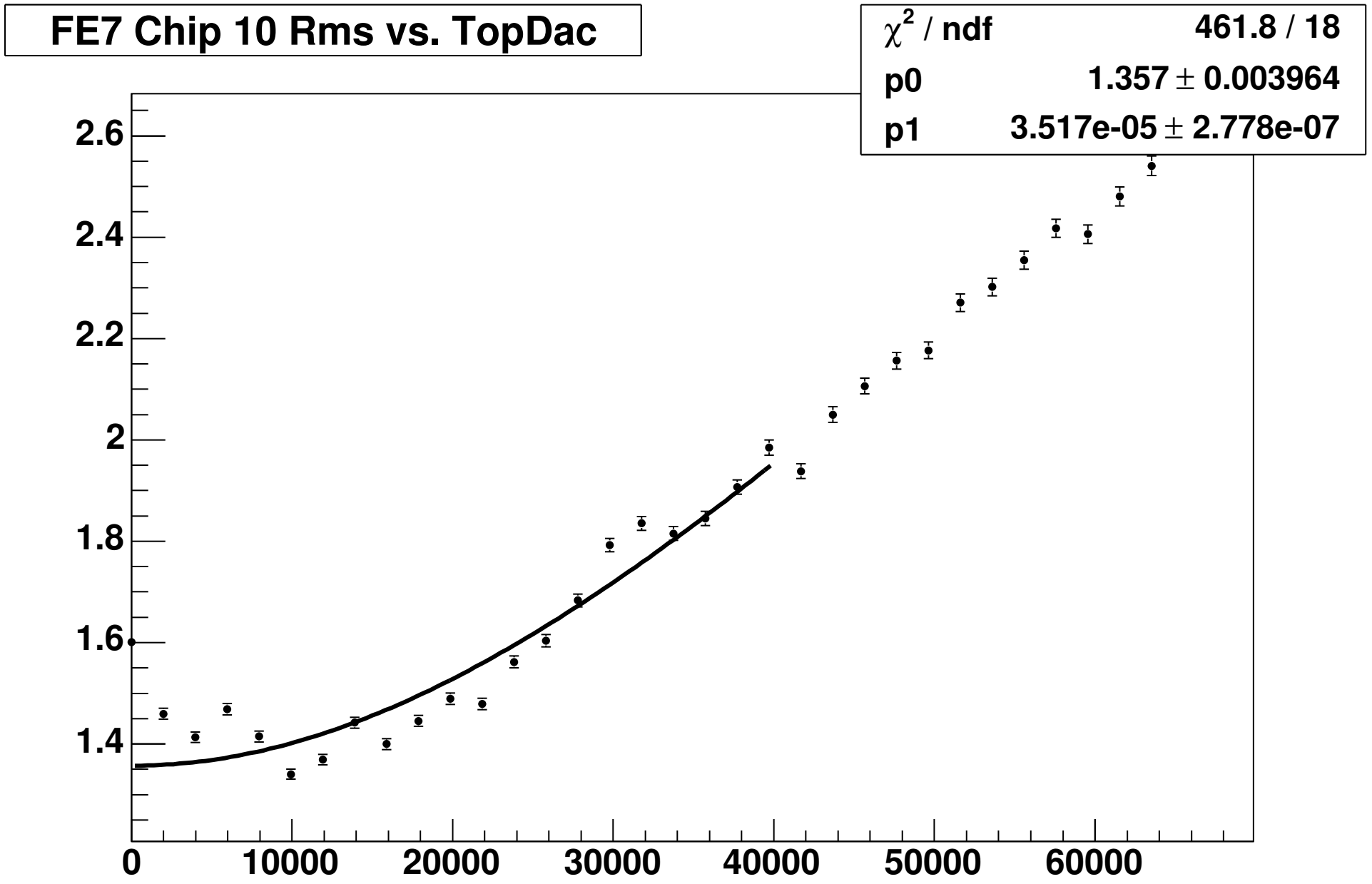

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 5.326e+04 / 18
p0 -44.95 ± 0.007355
p1 0.4507 ± 3.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

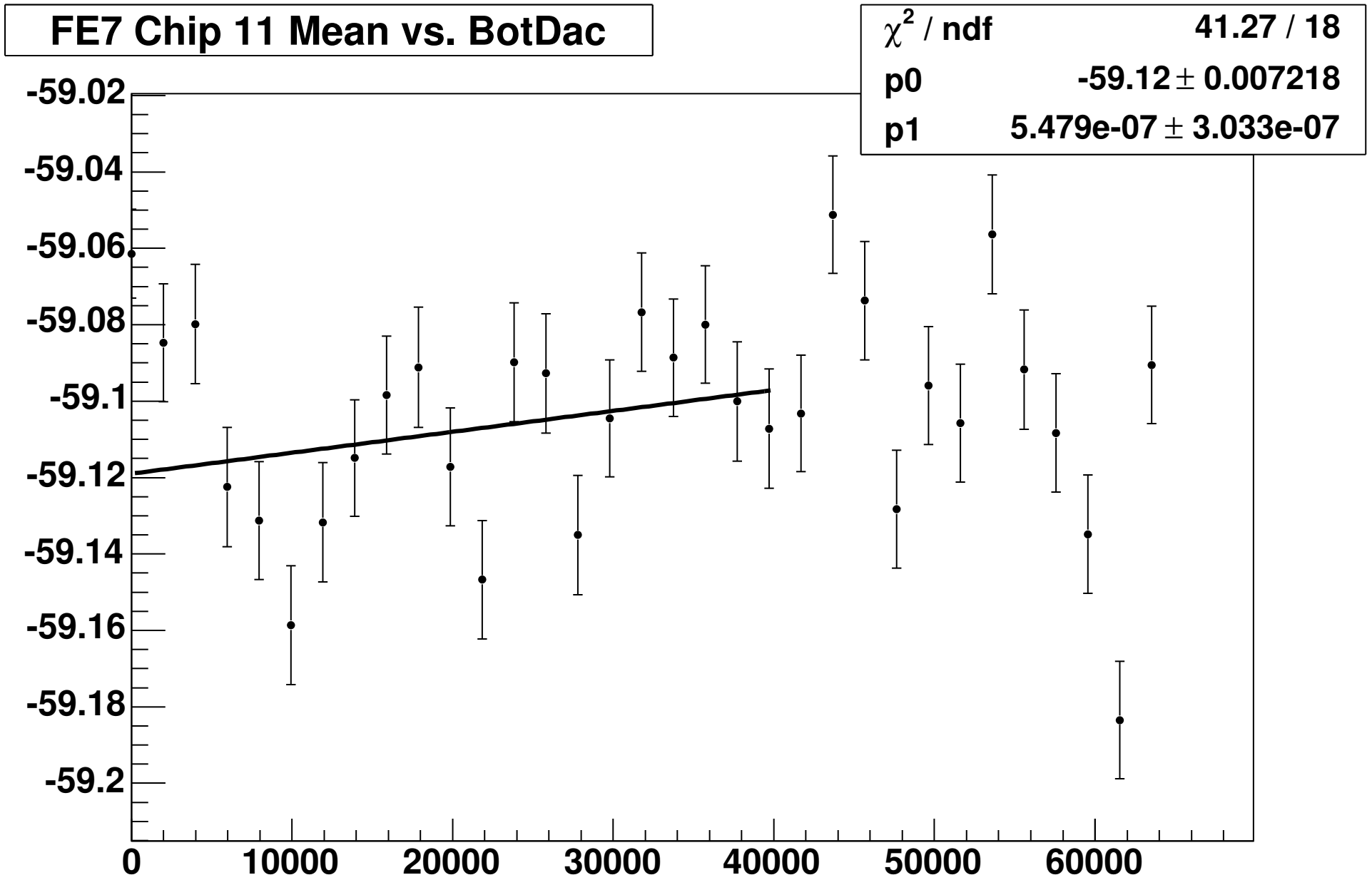

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 583.8 / 18
p0 1.365 ± 0.003974
p1 3.443e-05 ± 2.827e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

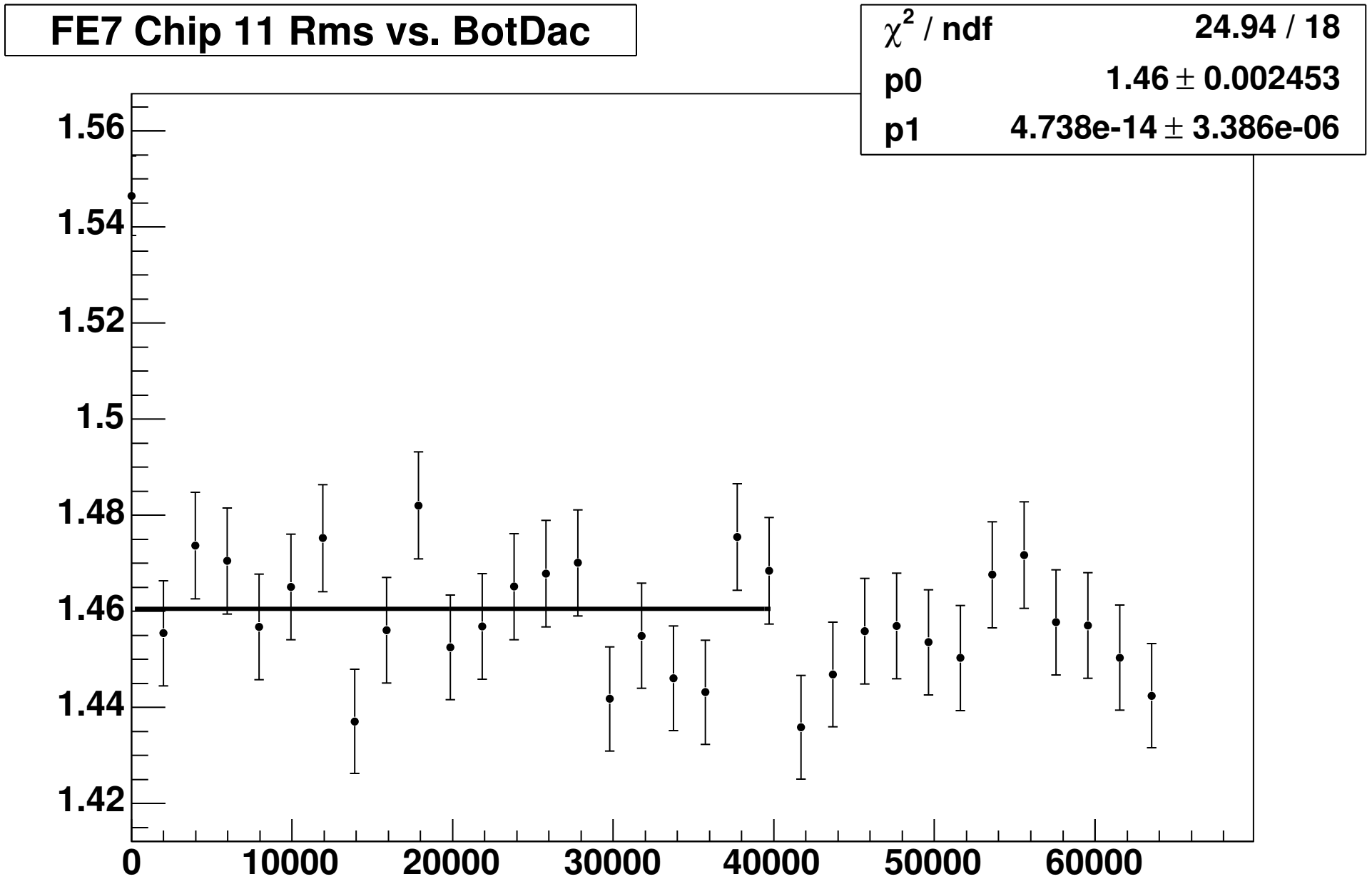

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 49.51 / 18
p0 -63.29 ± 0.007487
p1 5.143e-07 ± 3.146e-07
-63.2
-63.22
-63.24
-63.26
-63.28
-63.3
-63.32
-63.34
-63.36
-63.38
0
10000
20000
30000
40000
50000
60000

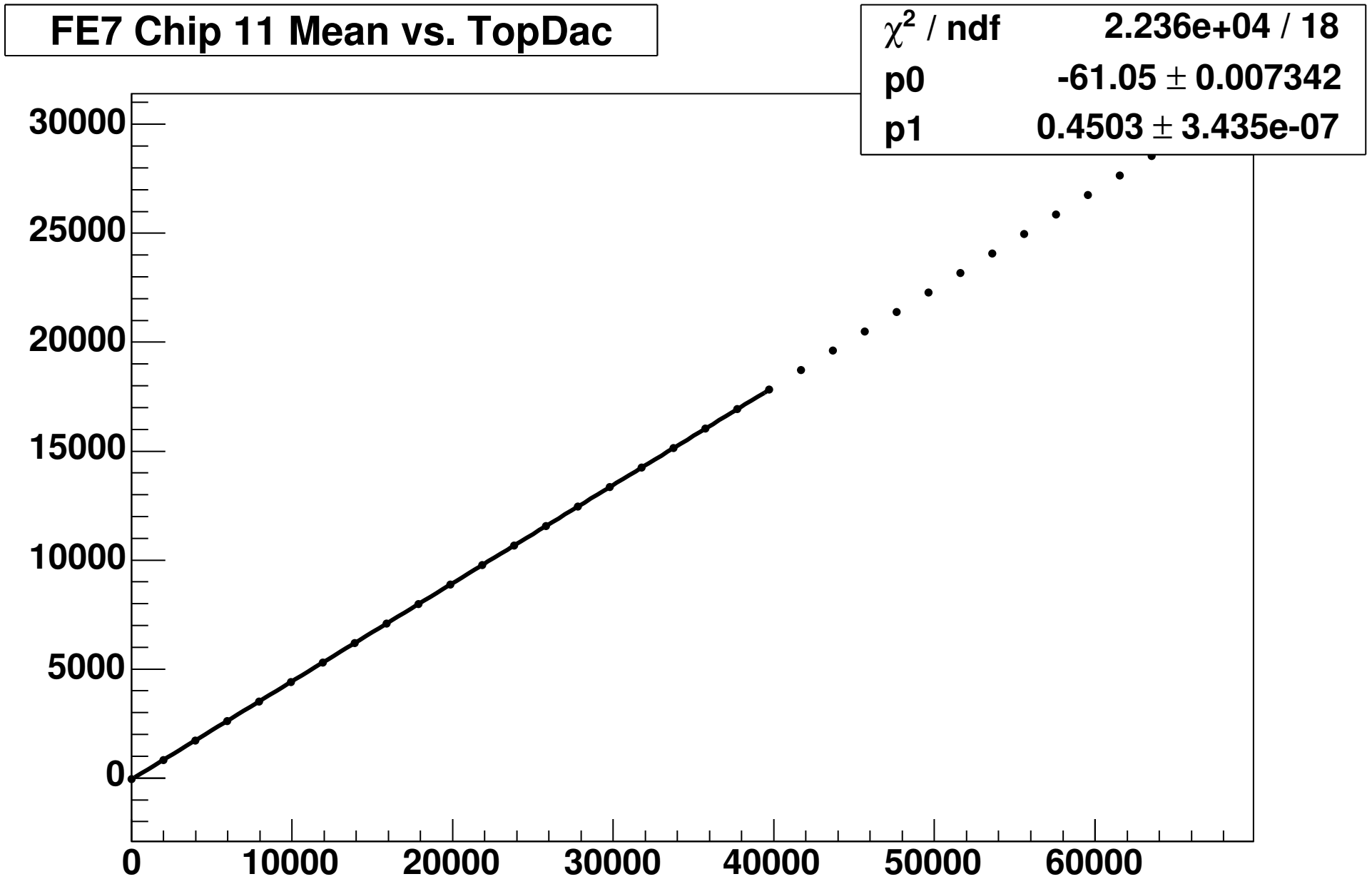

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 15.95 / 18
p0 1.516 ± 0.002553
p1 1.044e-14 ± 3.853e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

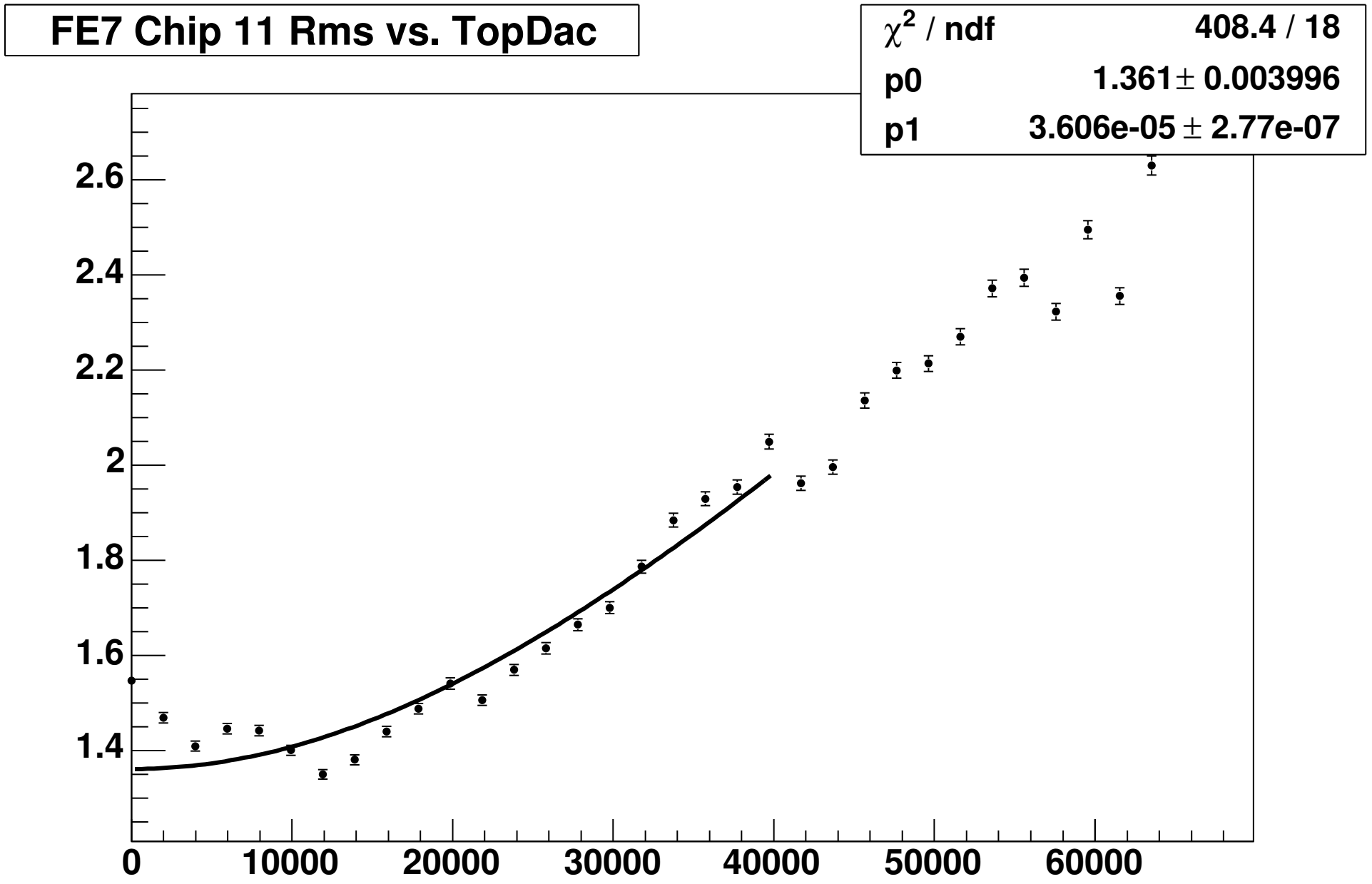

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 2.71e+04 / 18
p0 -64.47 ± 0.007294
p1 0.4503 ± 3.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

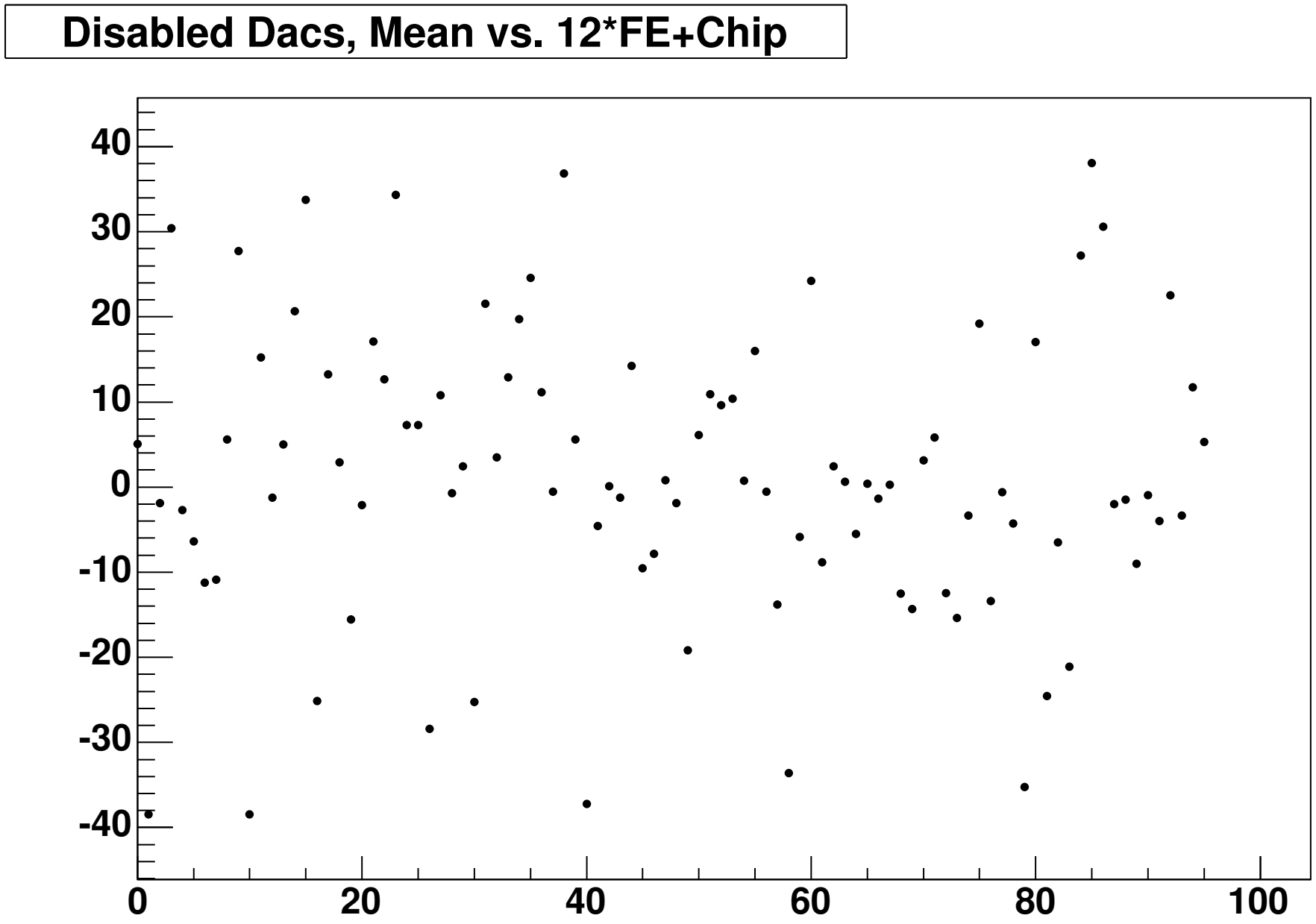

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 461.8 / 18
p0 1.357 ± 0.003964
p1 3.517e-05 ± 2.778e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

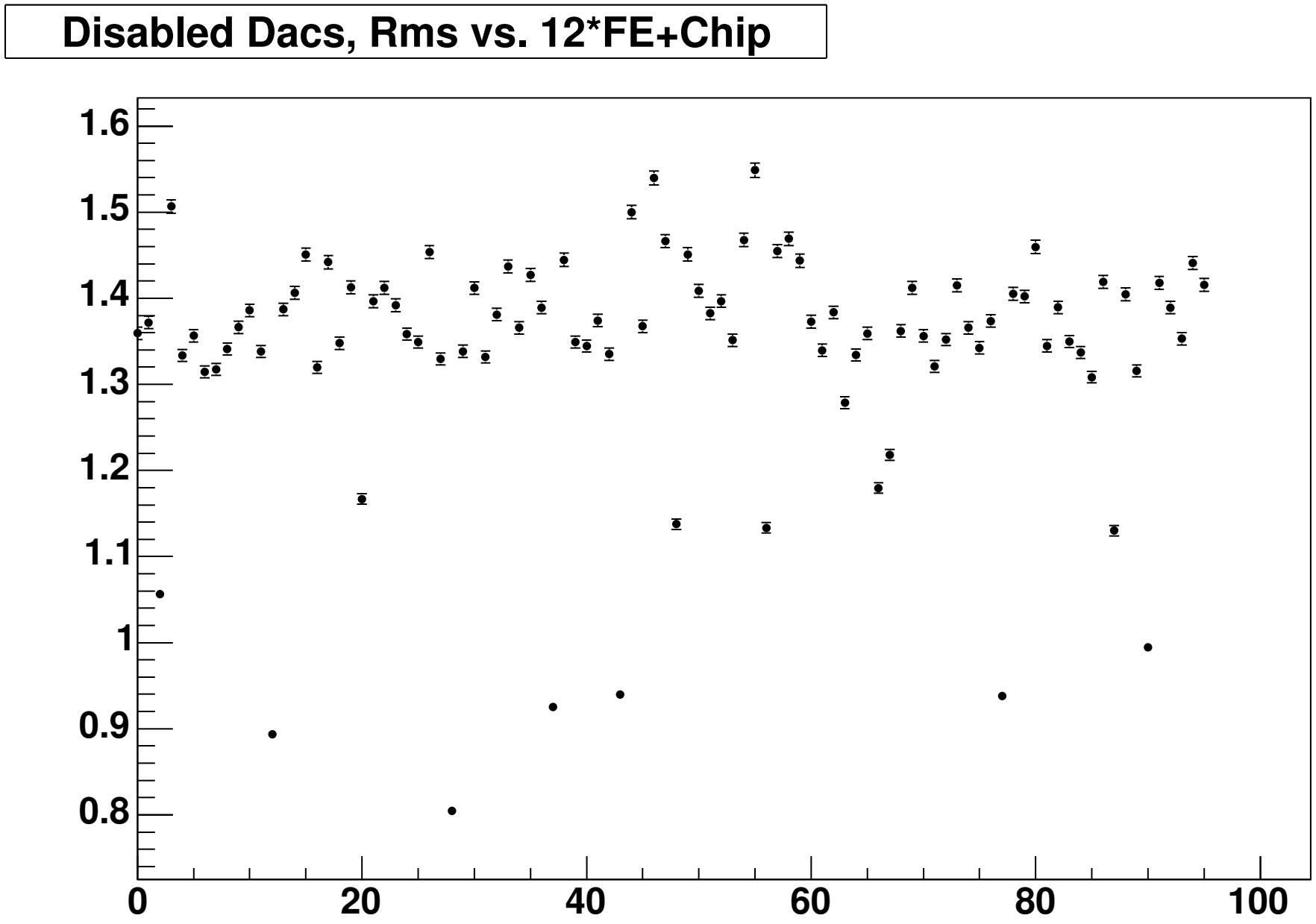

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 41.27 / 18
p0 -59.12 ± 0.007218
p1 5.479e-07 ± 3.033e-07
-59.02
-59.04
-59.06
-59.08
-59.1
-59.12
-59.14
-59.16
-59.18
-59.2
0
10000
20000
30000
40000
50000
60000

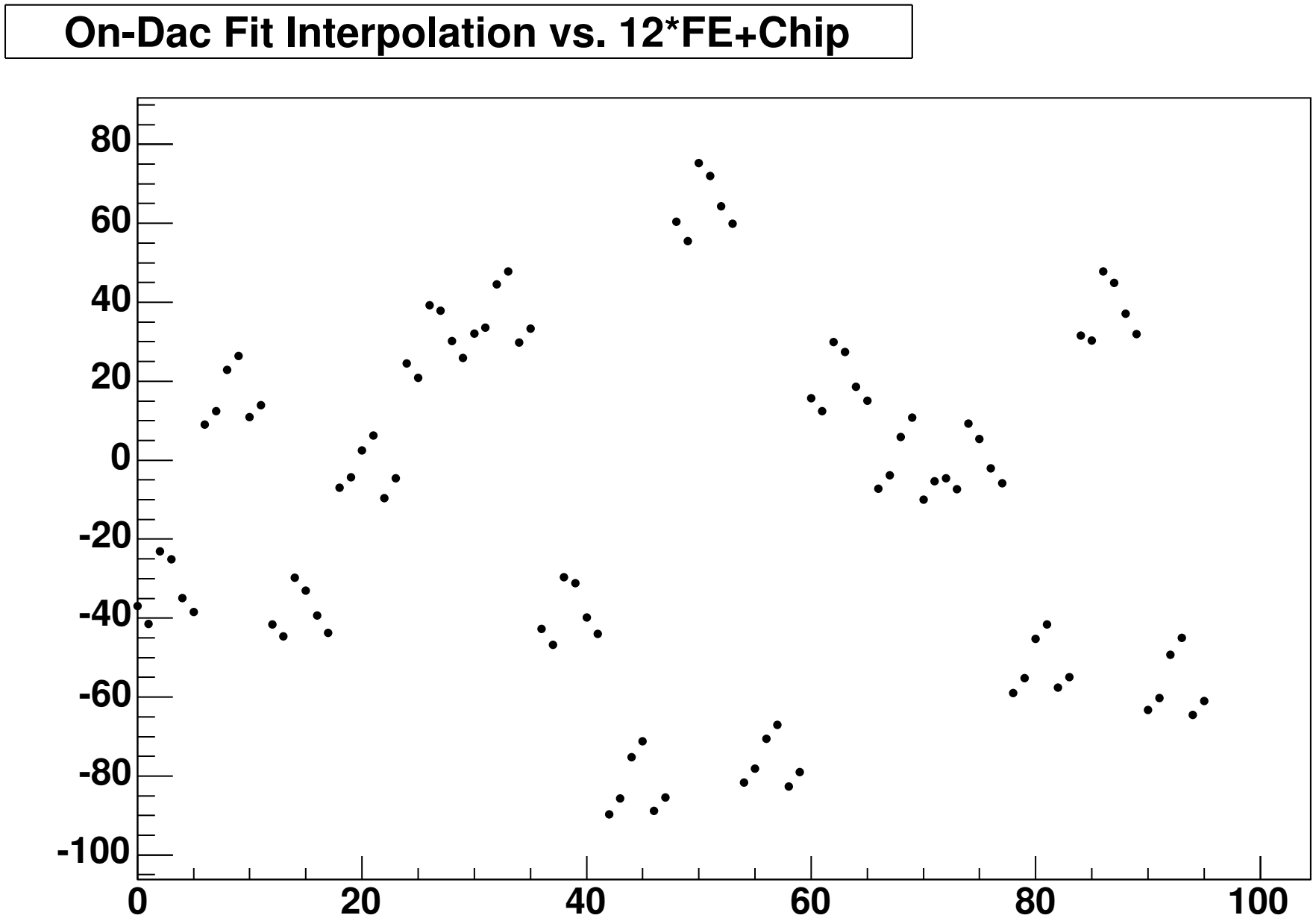

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 24.94 / 18
p0 1.46 ± 0.002453
p1 4.738e-14 ± 3.386e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

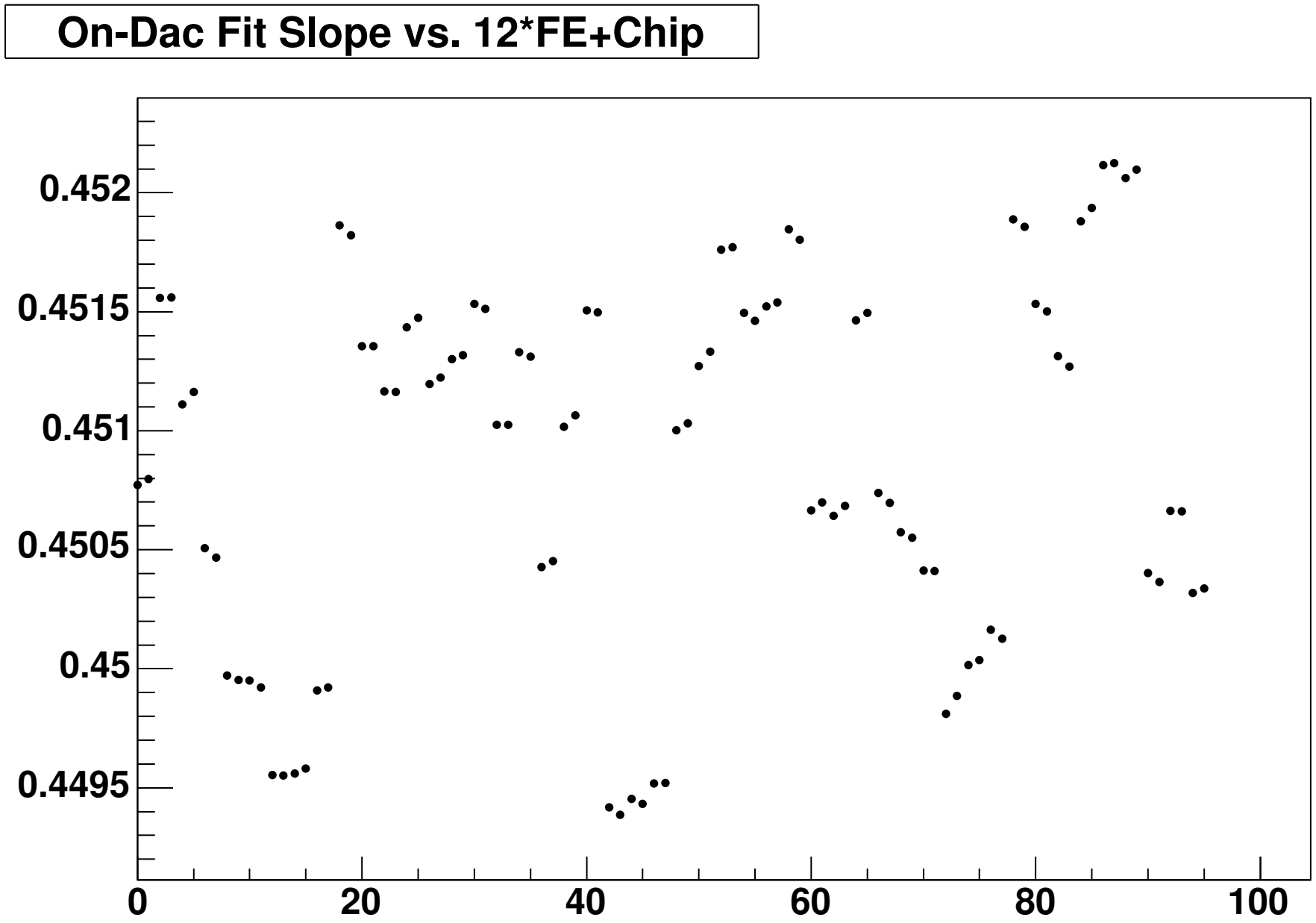

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 2.236e+04 / 18
p0 -61.05 ± 0.007342
p1 0.4503 ± 3.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

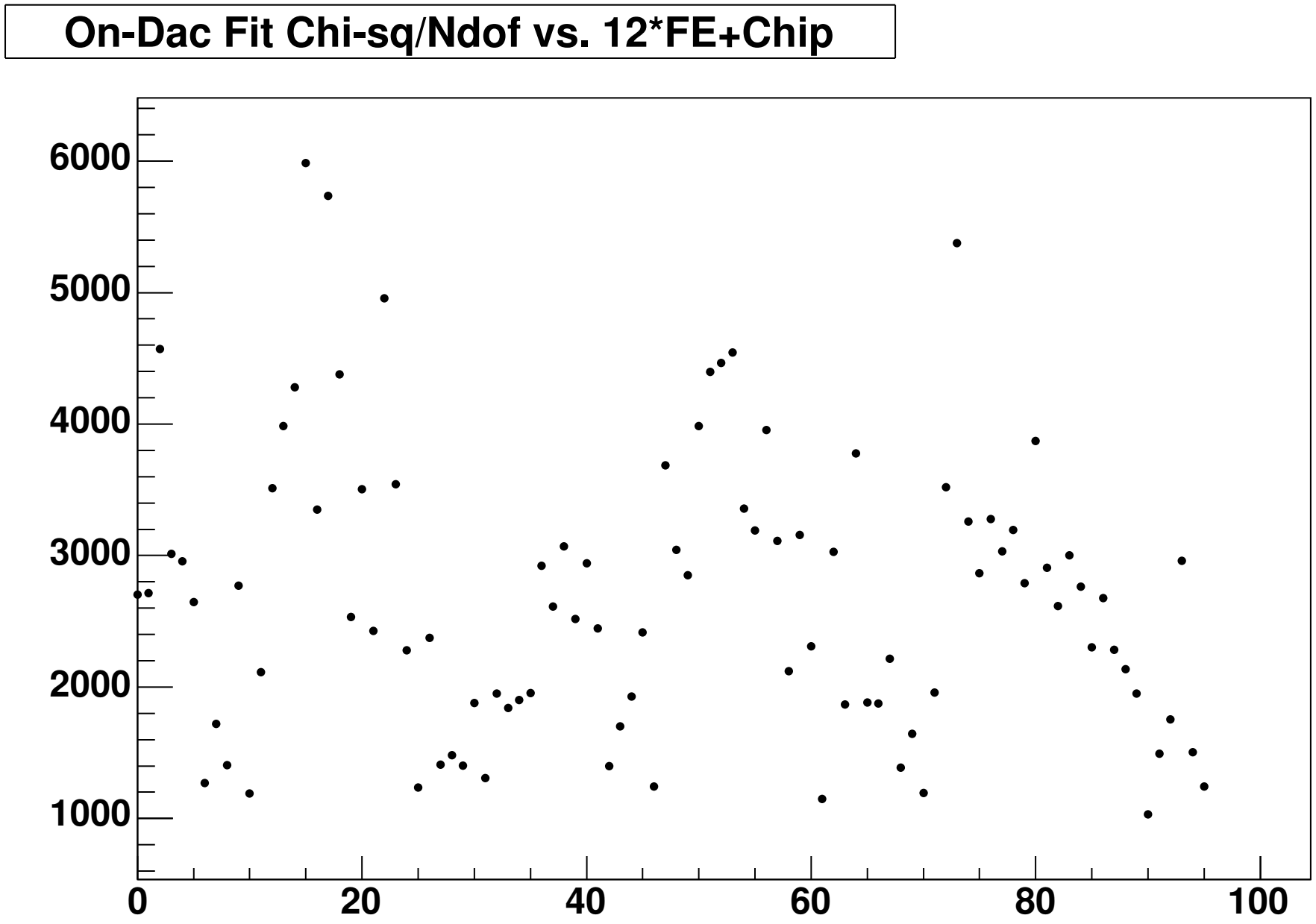

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 408.4 / 18
p0 1.361 ± 0.003996
p1 3.606e-05 ± 2.77e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

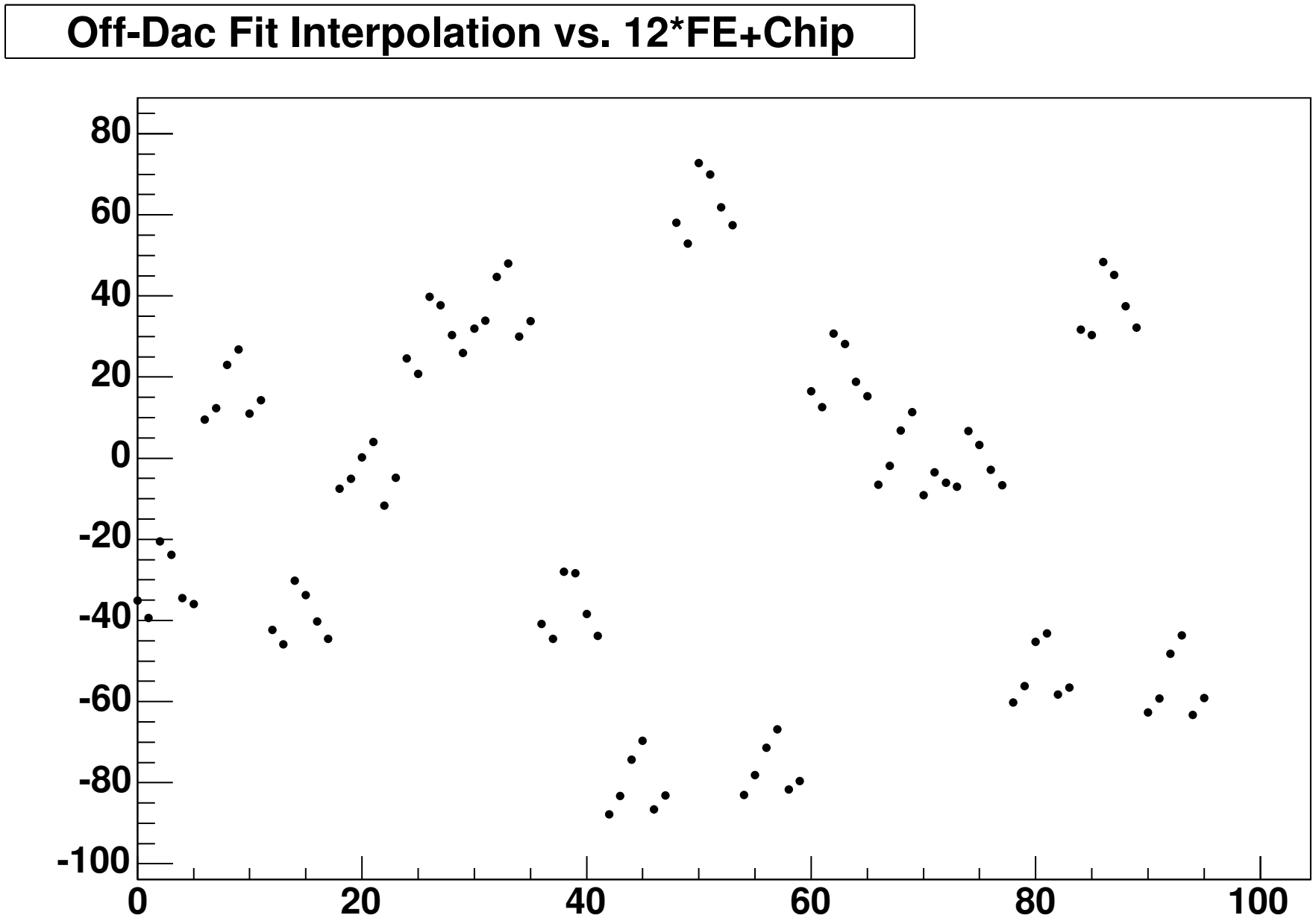

Disabled Dacs, Mean vs. 12*FE+Chip
40
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

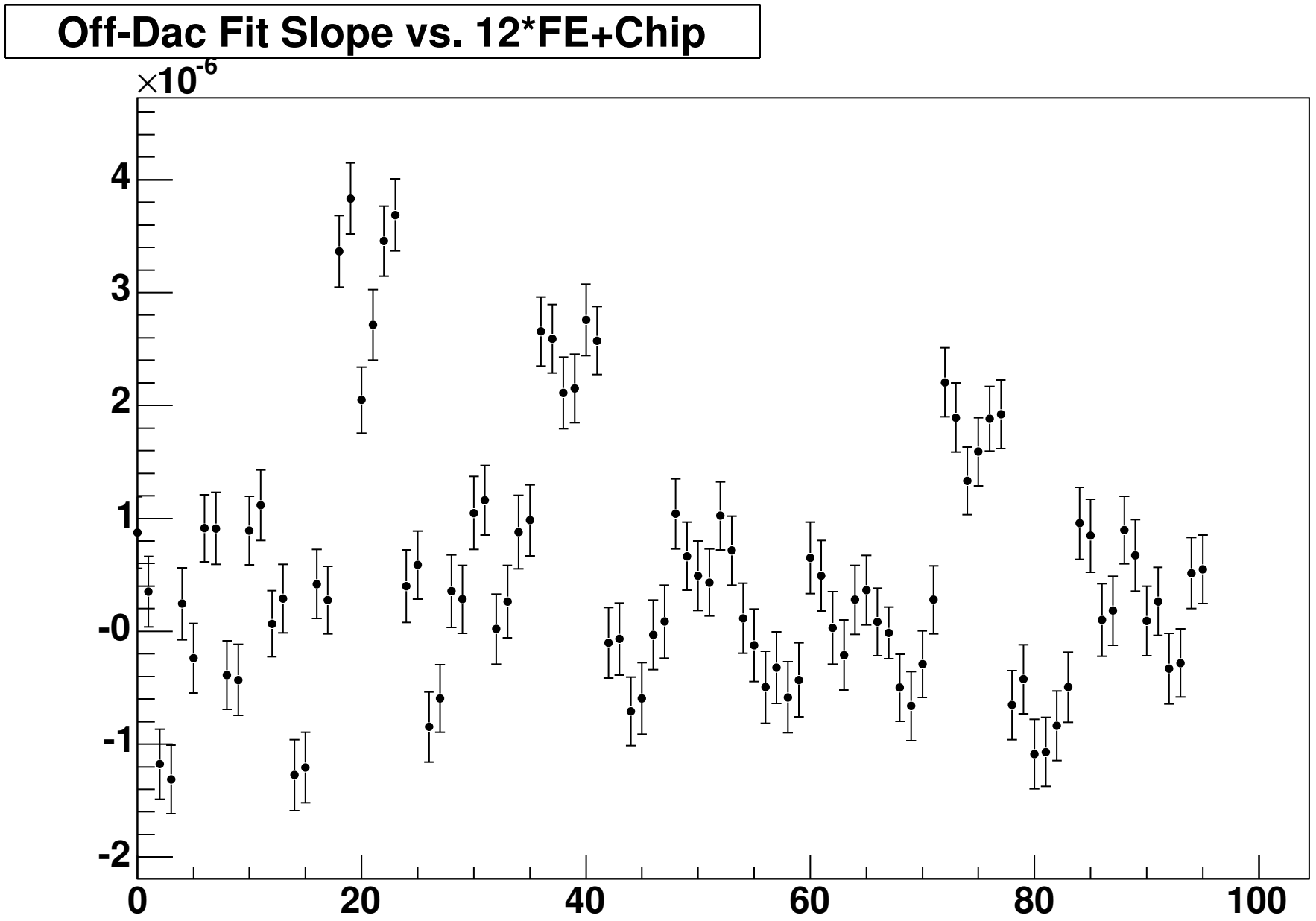

Disabled Dacs, Rms vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
20
40
60
80
100

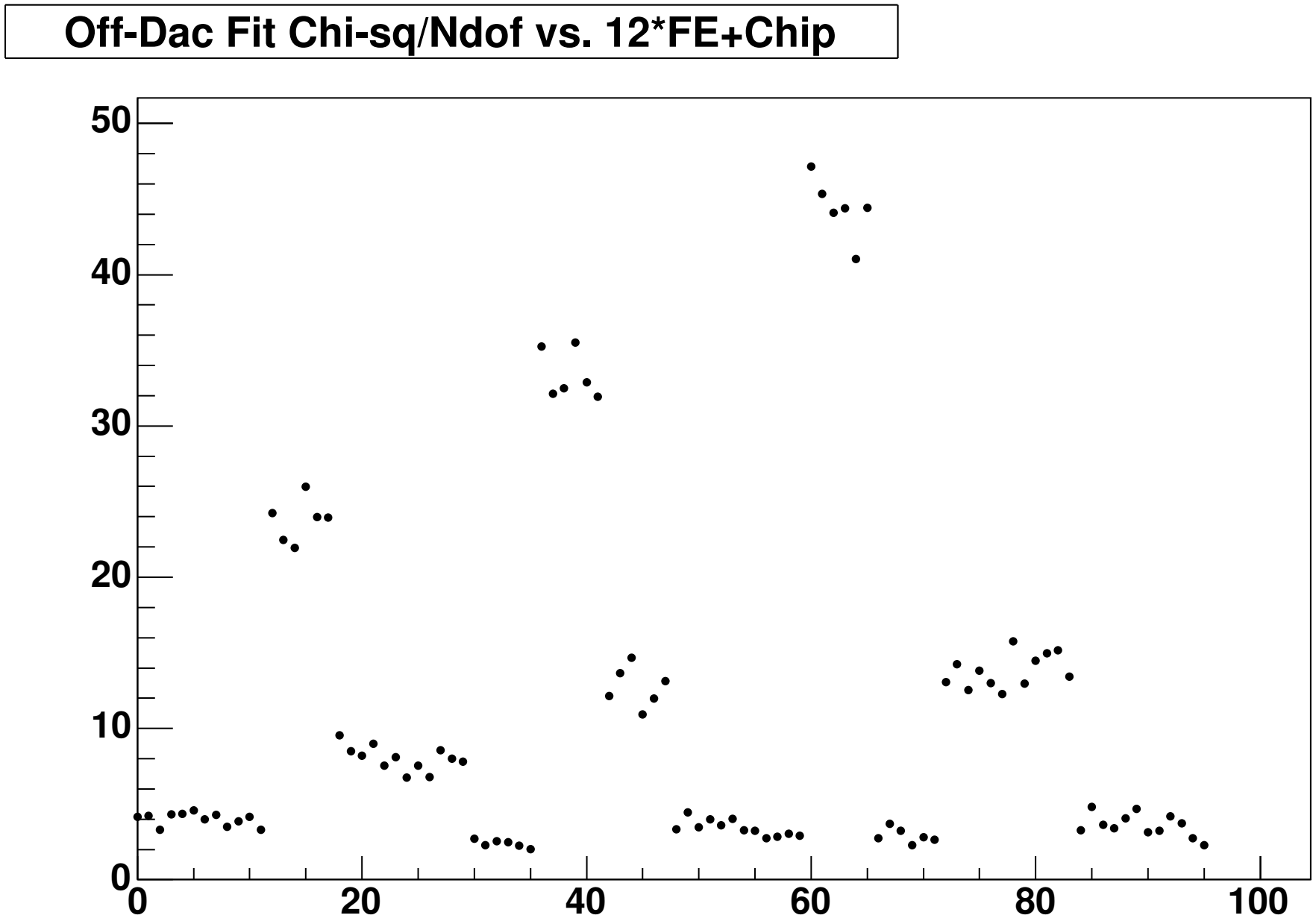

On-Dac Fit Interpolation vs. 12*FE+Chip
80
60
40
20
0
-20
-40
-60
-80
-100
0
20
40
60
80
100

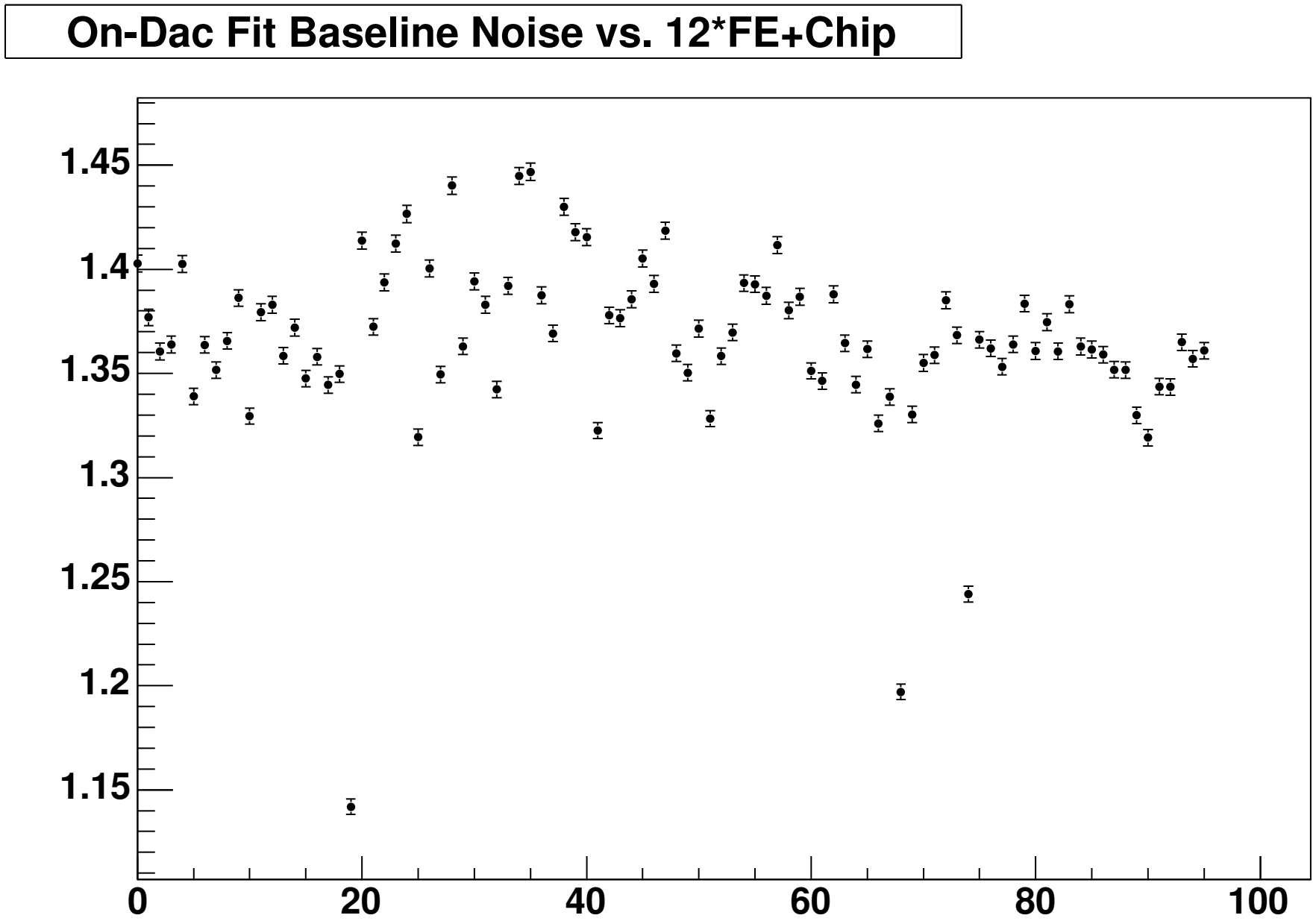

On-Dac Fit Slope vs. 12*FE+Chip
0.452
0.4515
0.451
0.4505
0.45
0.4495
0
20
40
60
80
100

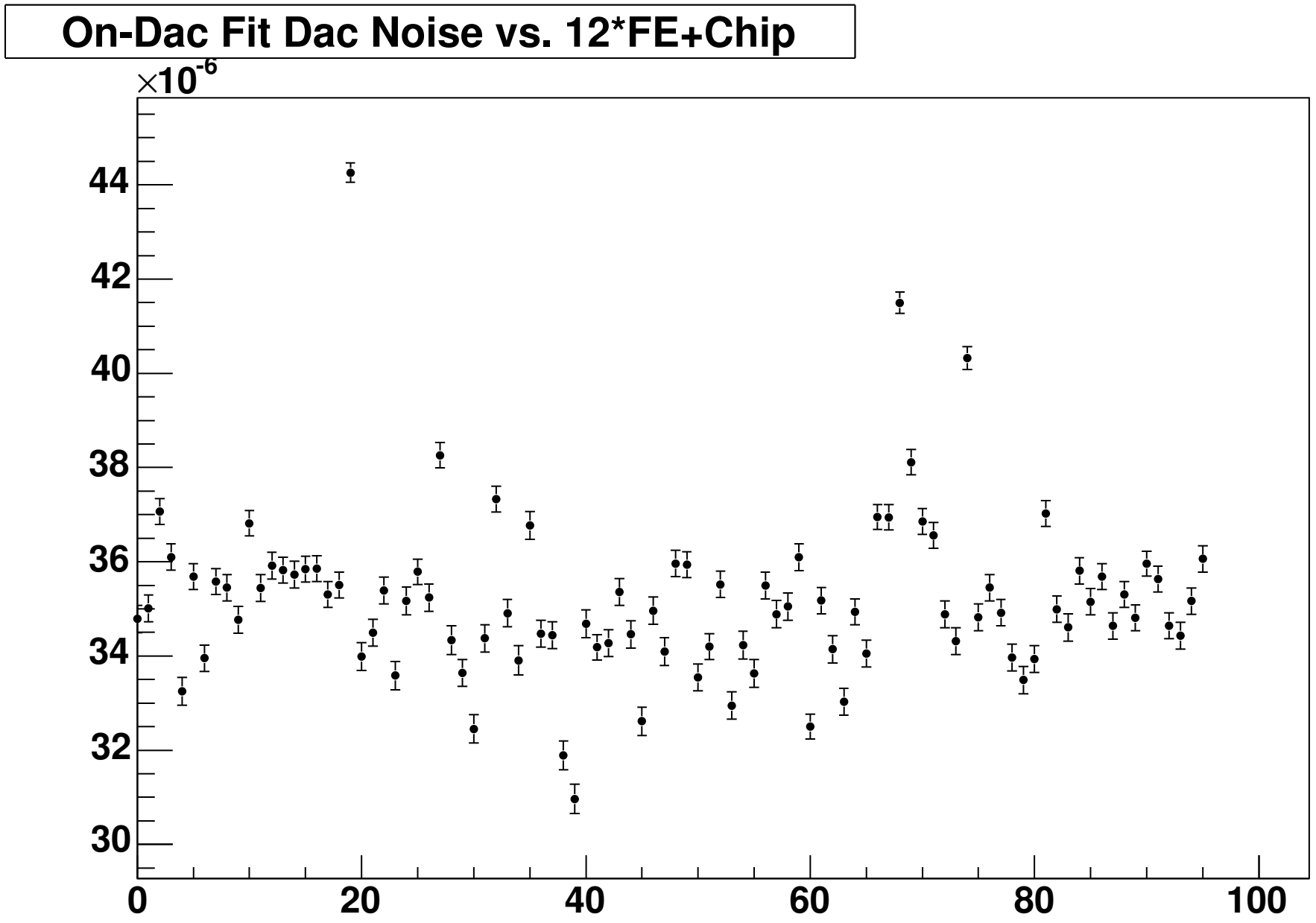

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

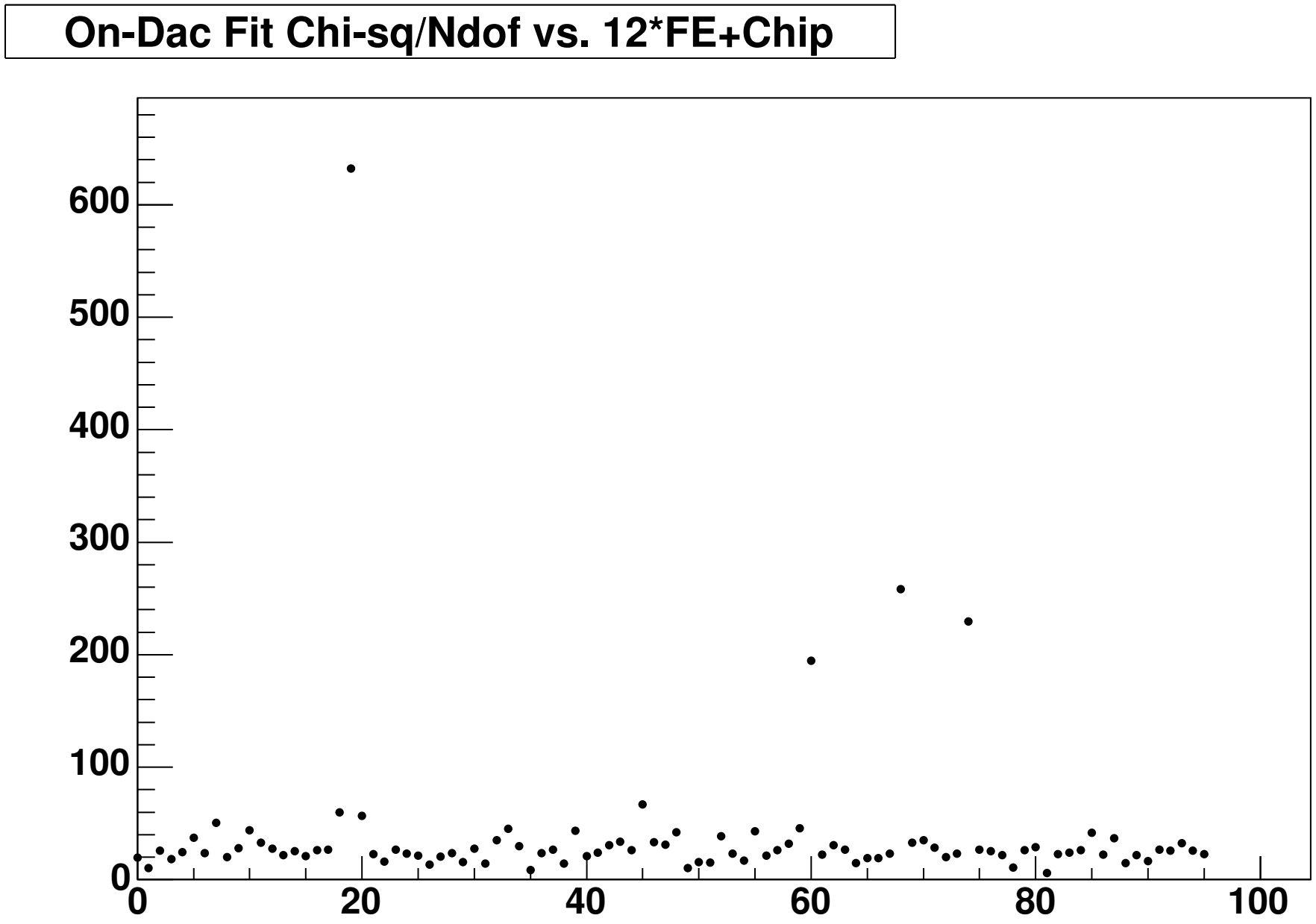

Off-Dac Fit Interpolation vs. 12*FE+Chip
80
60
40
20
0
-20
-40
-60
-80
-100
0
20
40
60
80
100

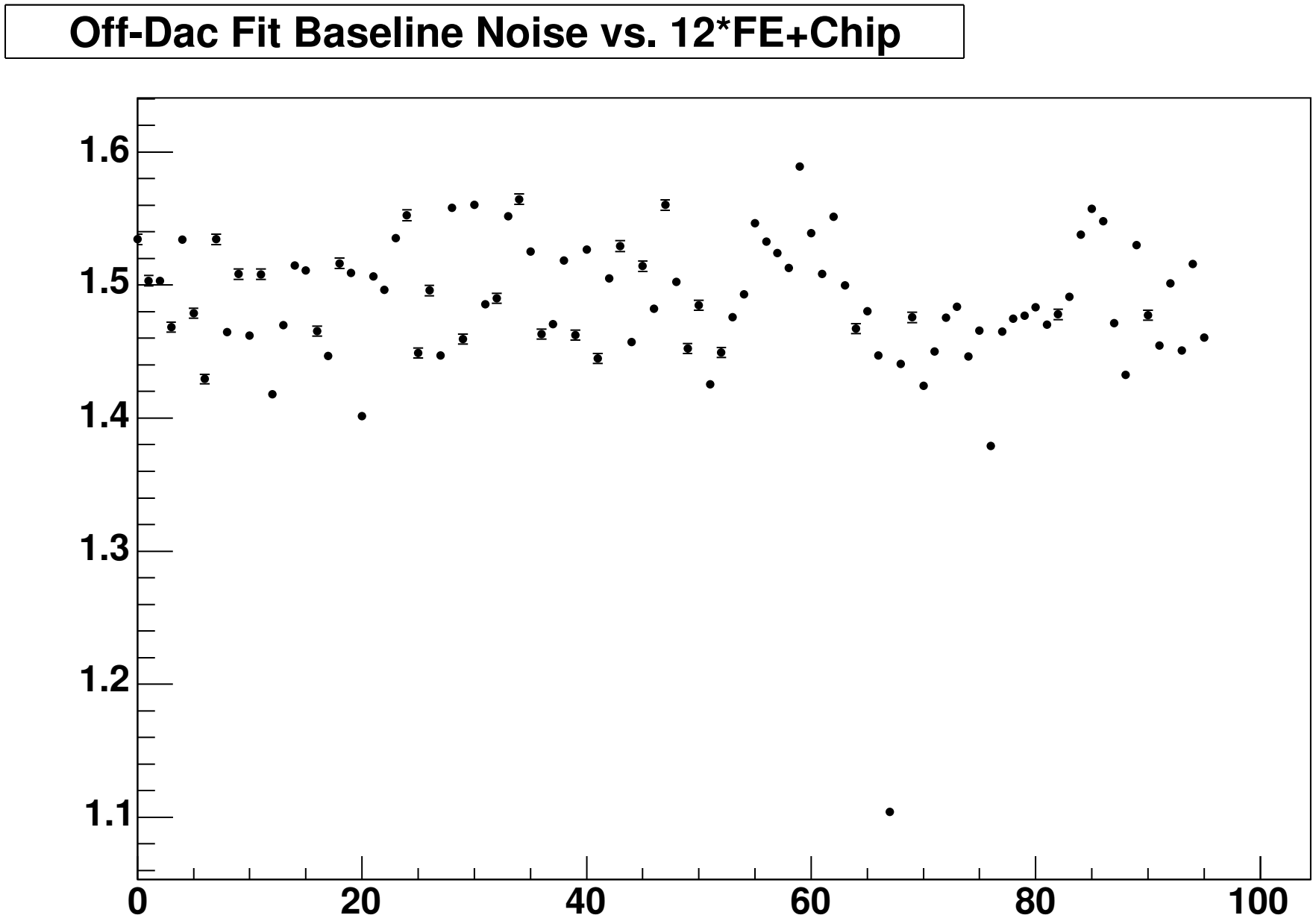

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
4
3
2
1
-0
-1
-2
0
20
40
60
80
100

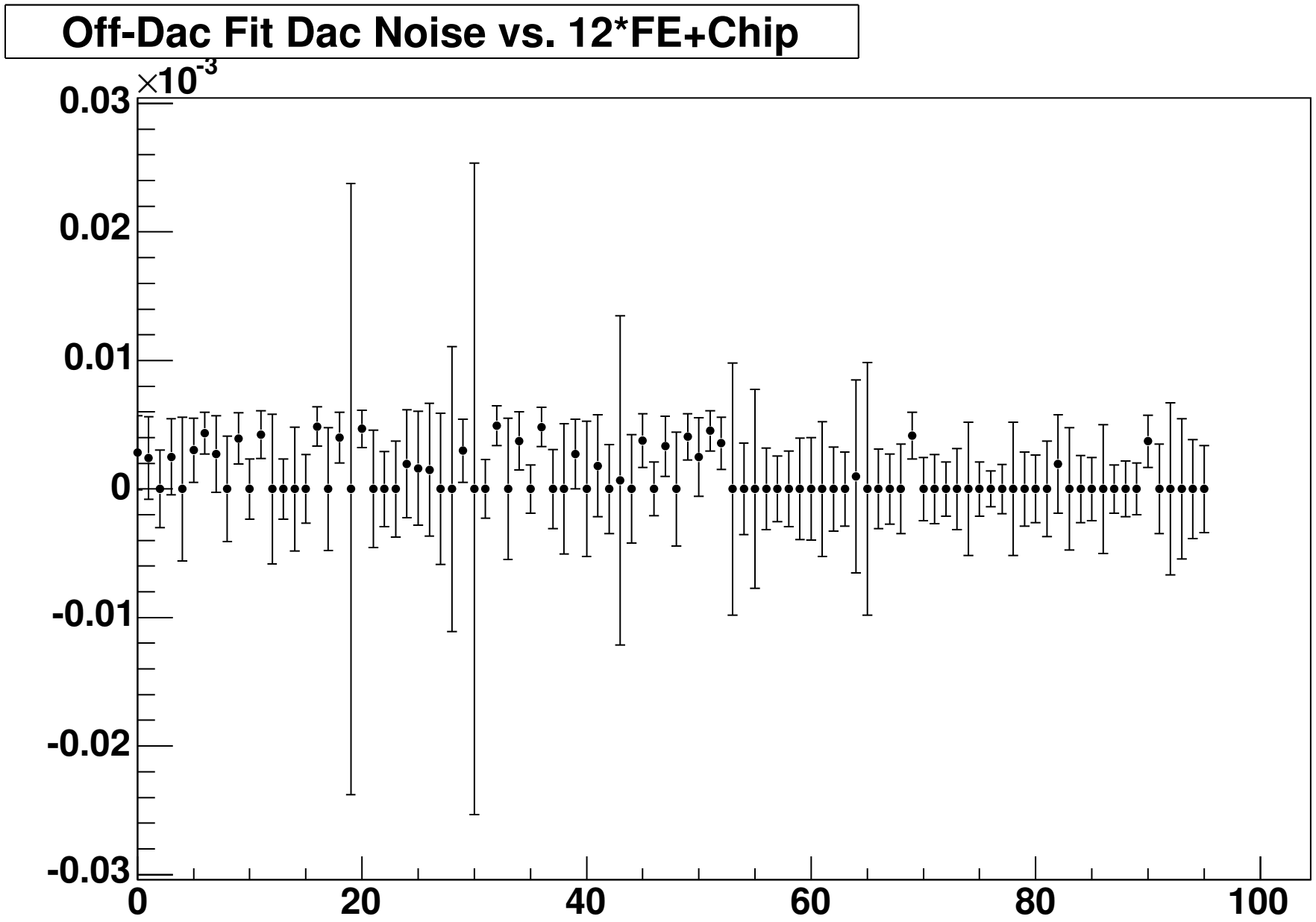

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
50
40
30
20
10
0
0
20
40
60
80
100

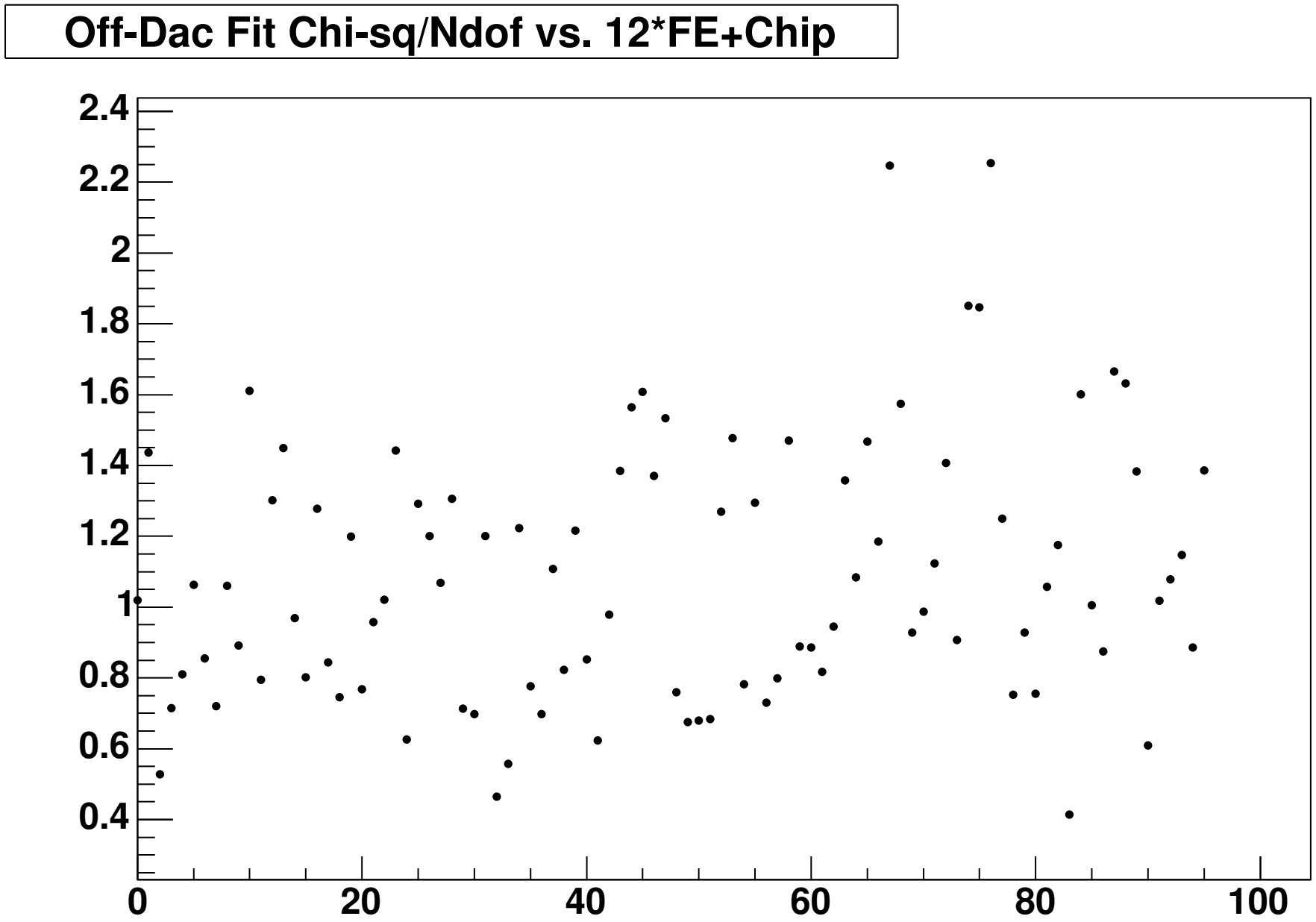

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.45
1.4
1.35
1.3
1.25
1.2
1.15
0
20
40
60
80
100

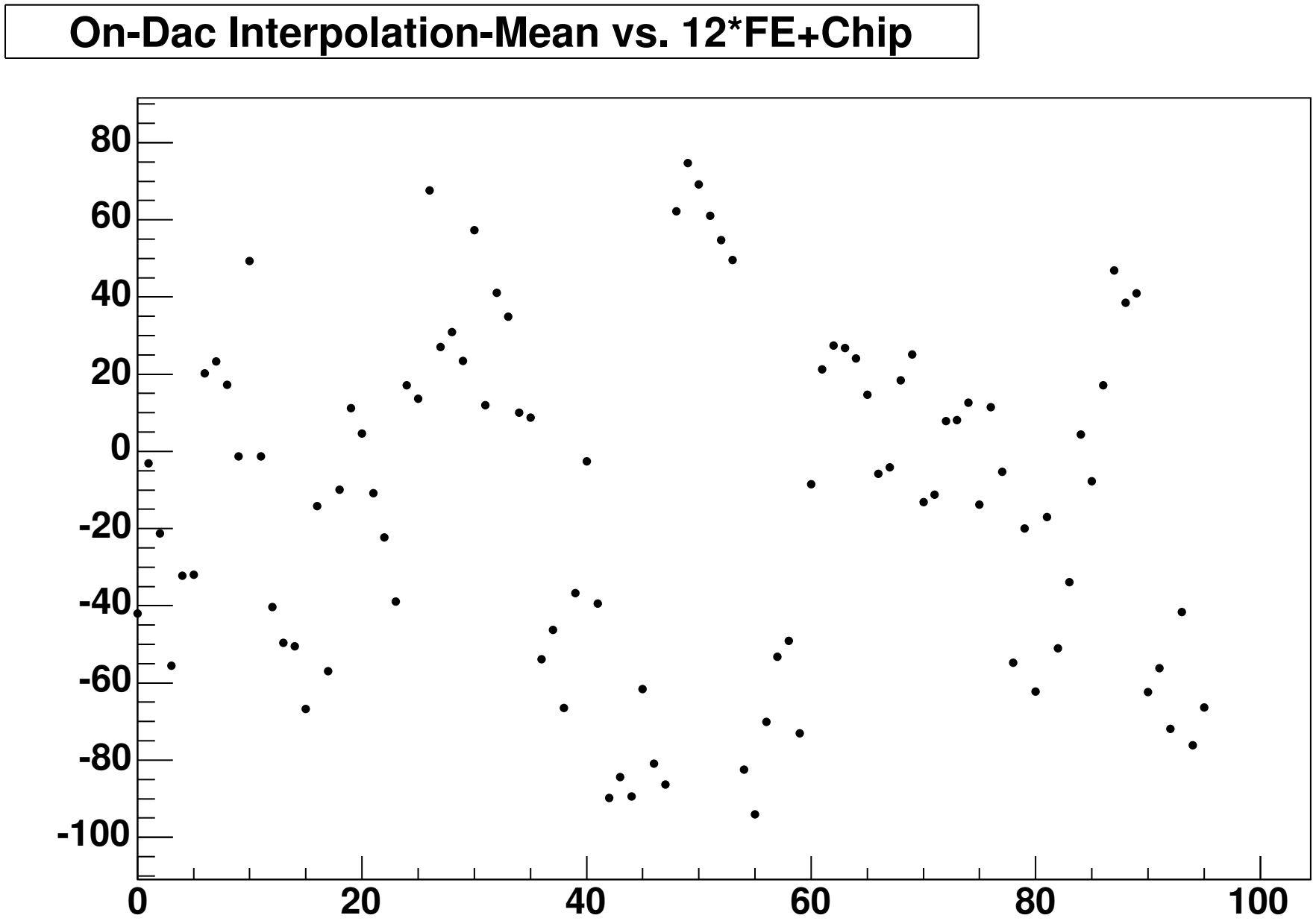

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10-6
44
42
40
38
36
34
32
30
0
20
40
60
80
100

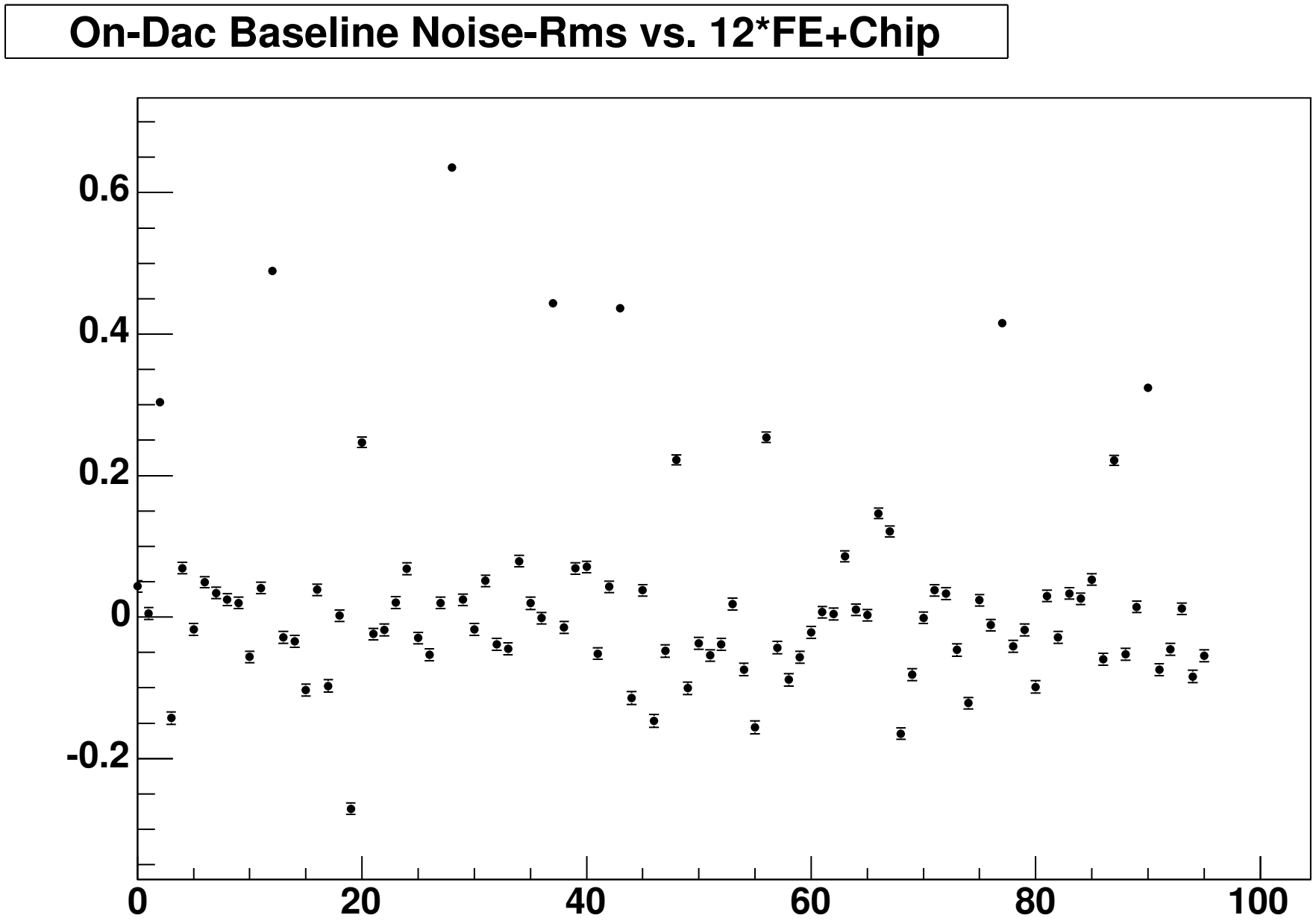

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
600
500
400
300
200
100
0
0
20
40
60
80
100

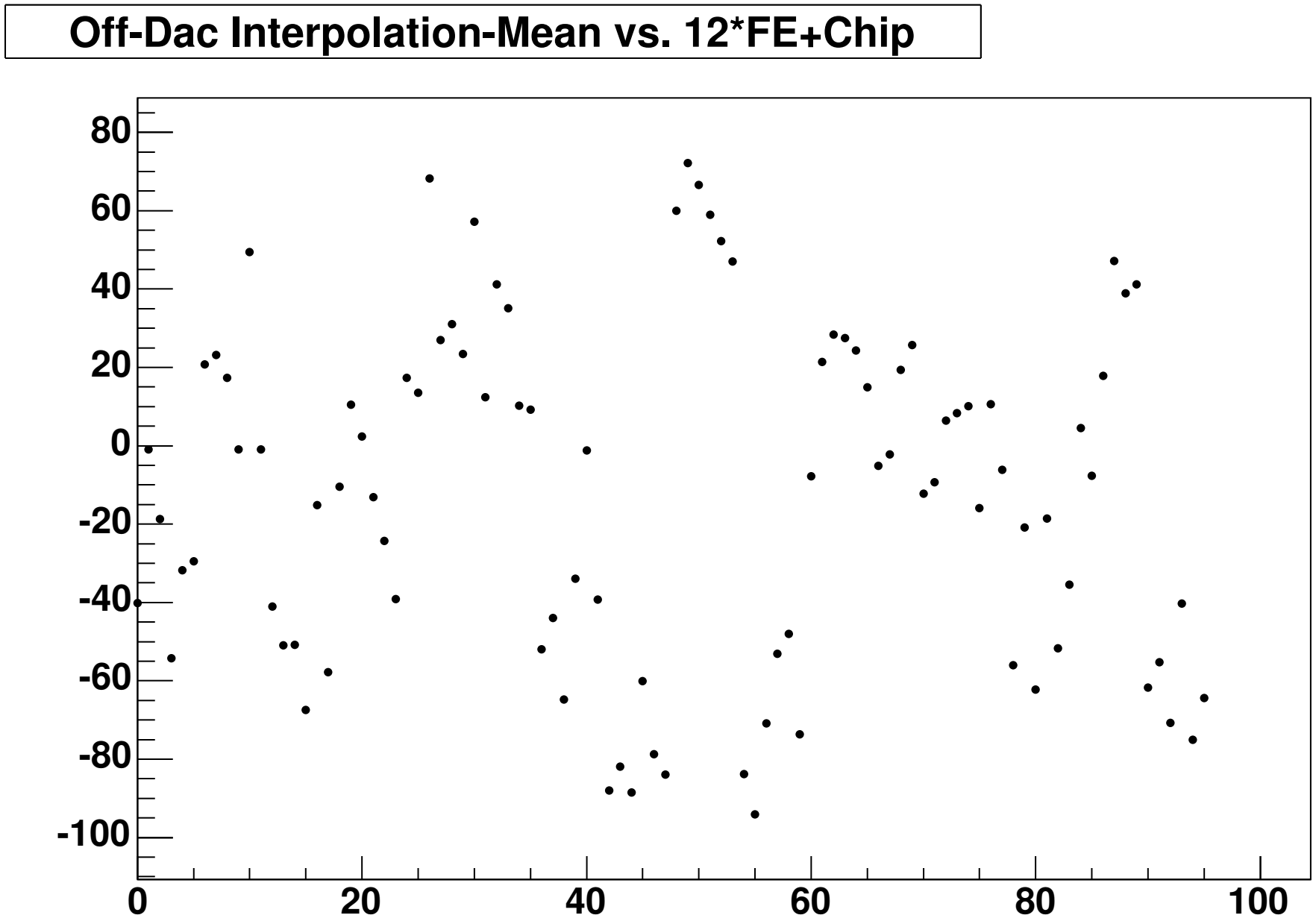

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
0
20
40
60
80
100

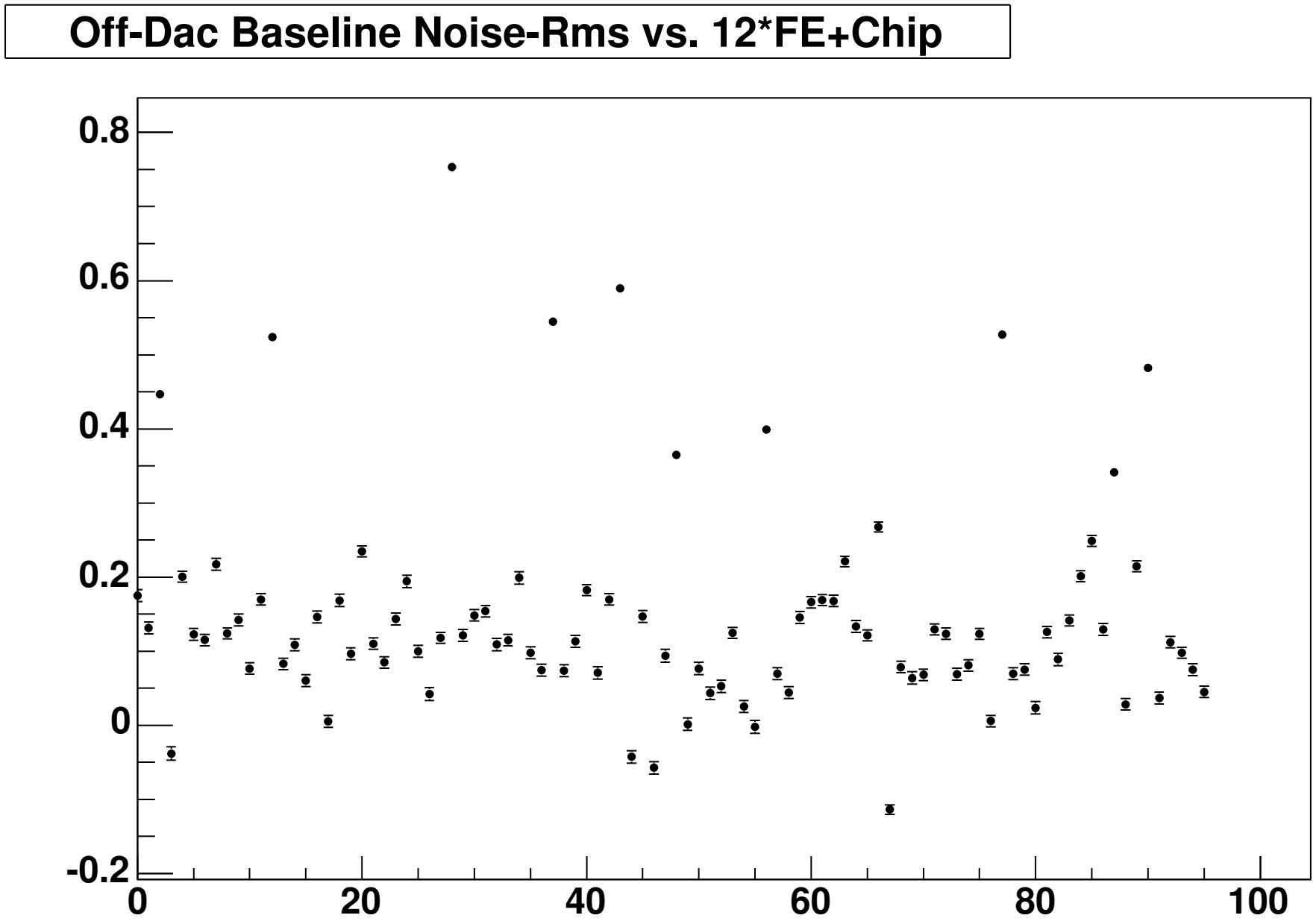

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0
20
40
60
80
100


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


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


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


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