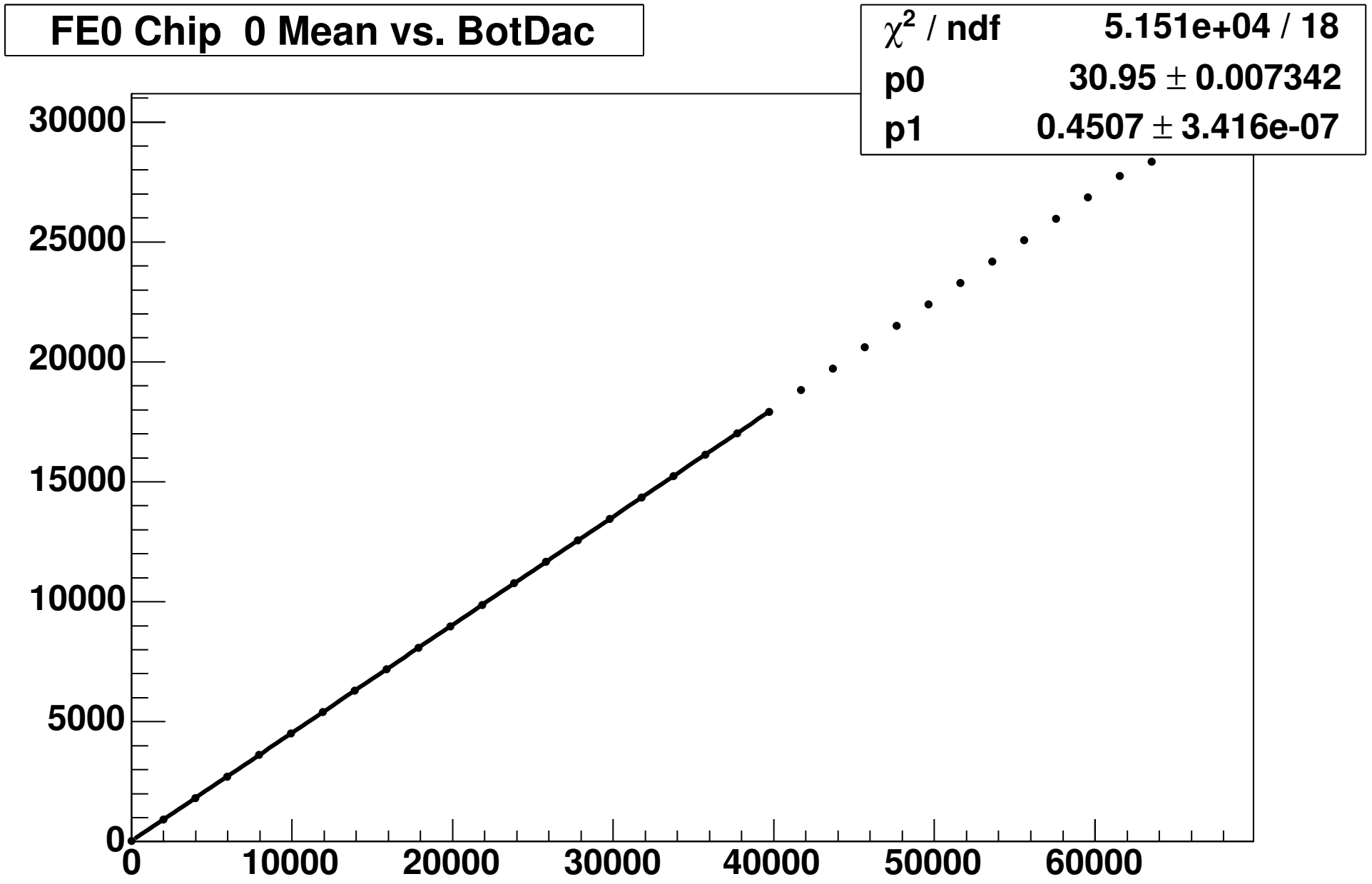
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 5.151e+04 / 18
p0 30.95 ± 0.007342
p1 0.4507 ± 3.416e-07
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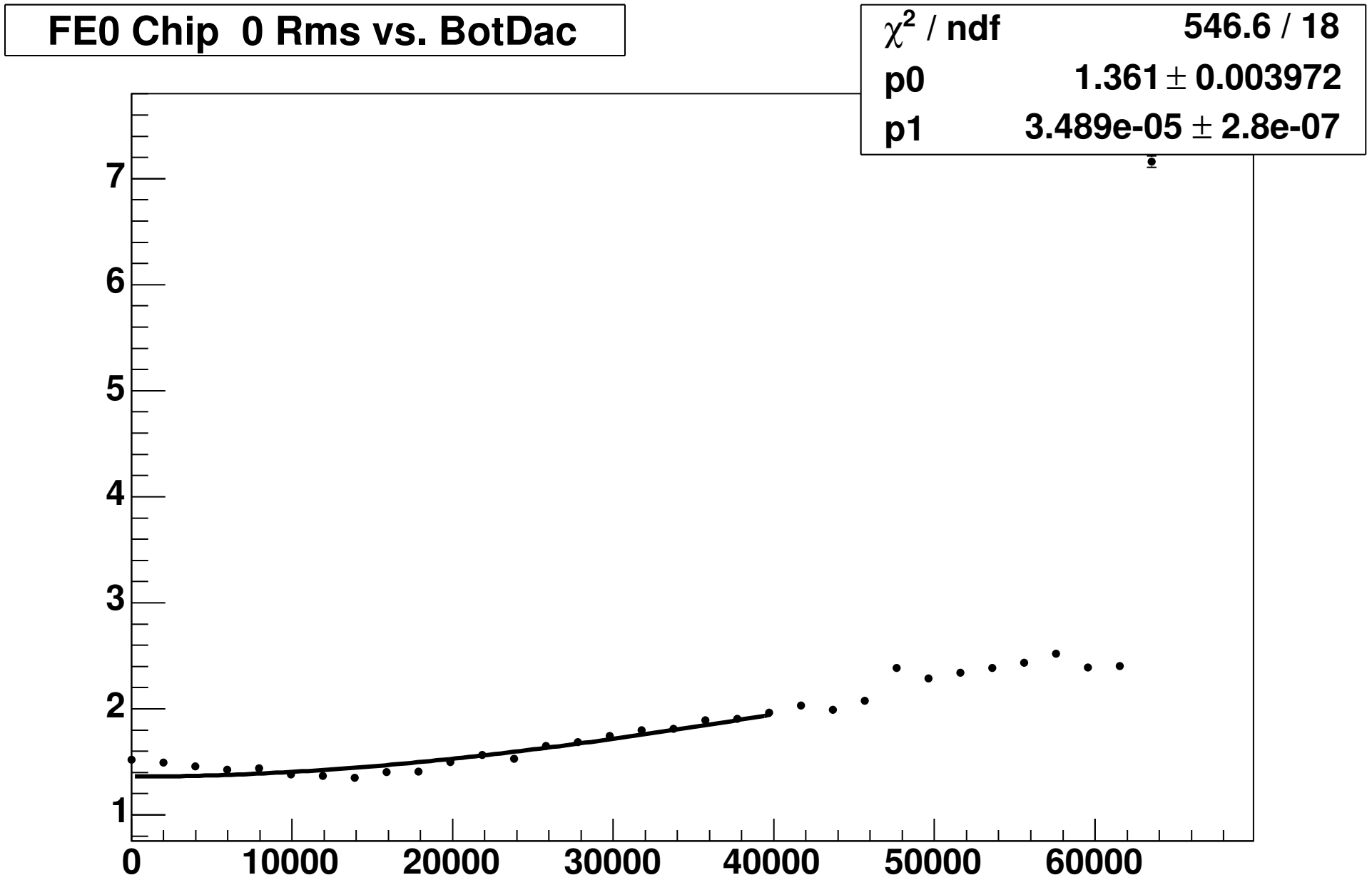
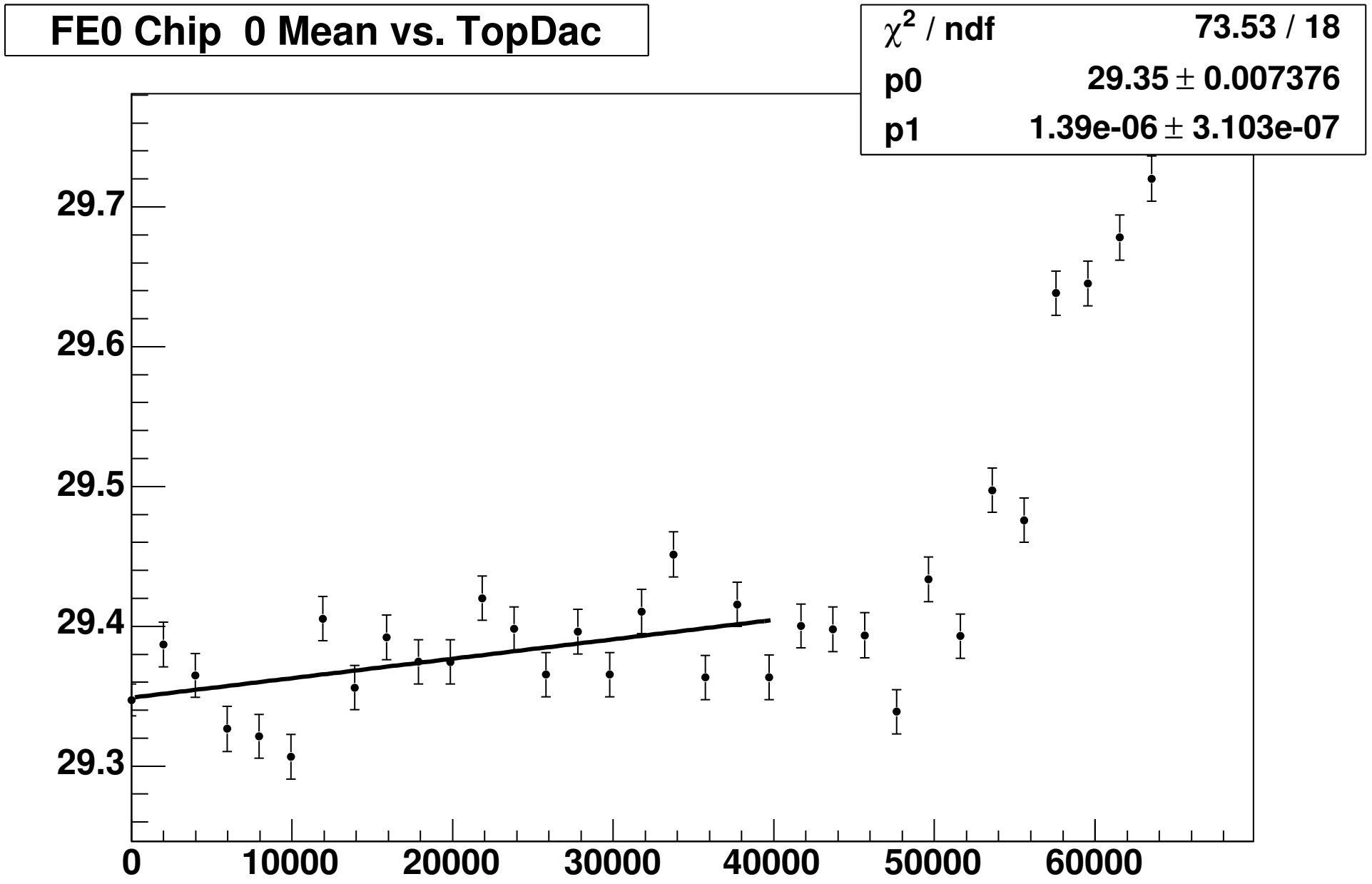
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 546.6 / 18
p0 1.361 ± 0.003972
p1 3.489e-05 ± 2.8e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 73.53 / 18
p0 29.35 ± 0.007376
p1 1.39e-06 ± 3.103e-07
29.7
29.6
29.5
29.4
29.3
0
10000
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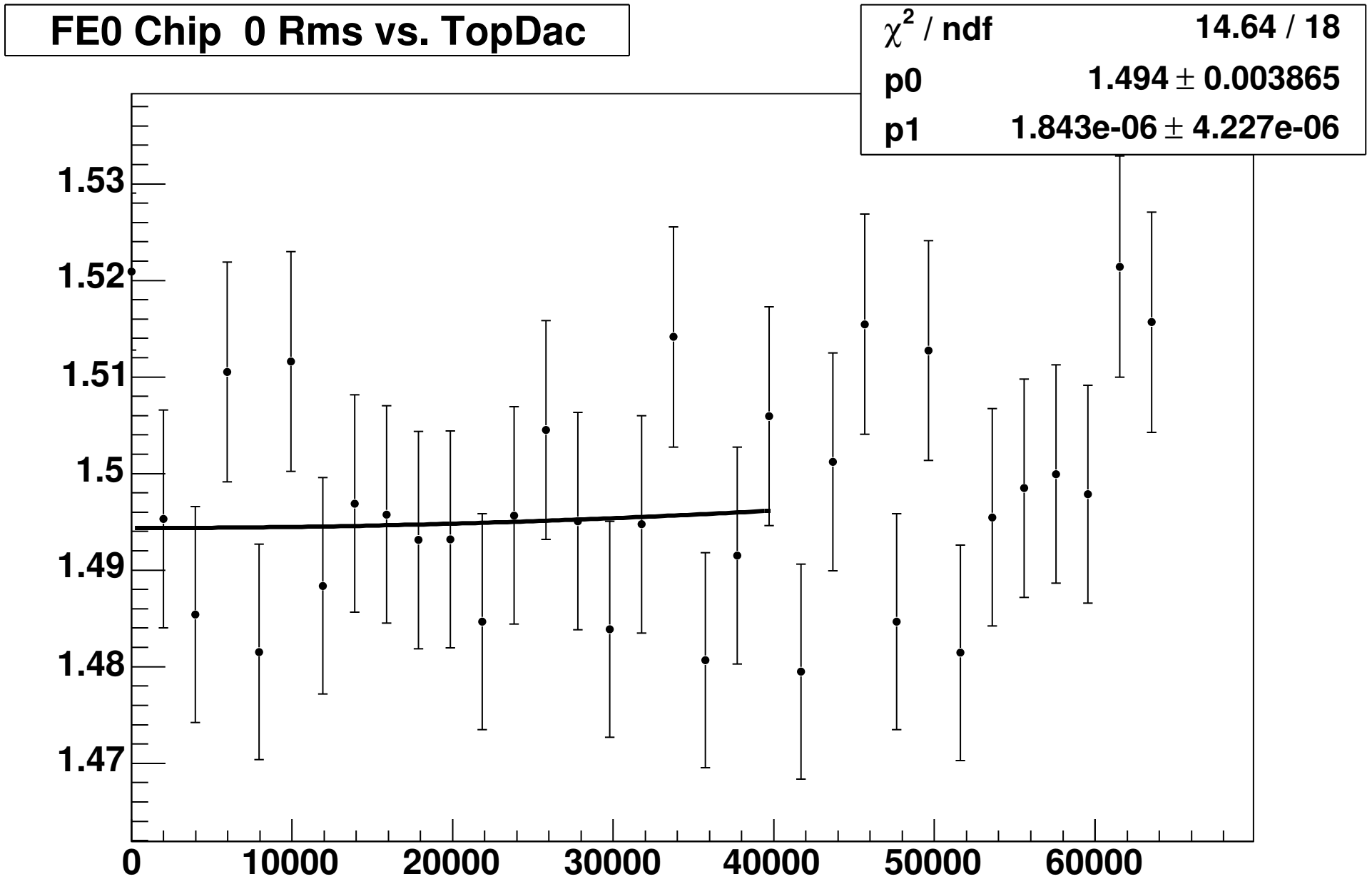
30000
40000
50000
60000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 14.64 / 18
p0 1.494 ± 0.003865
p1 1.843e-06 ± 4.227e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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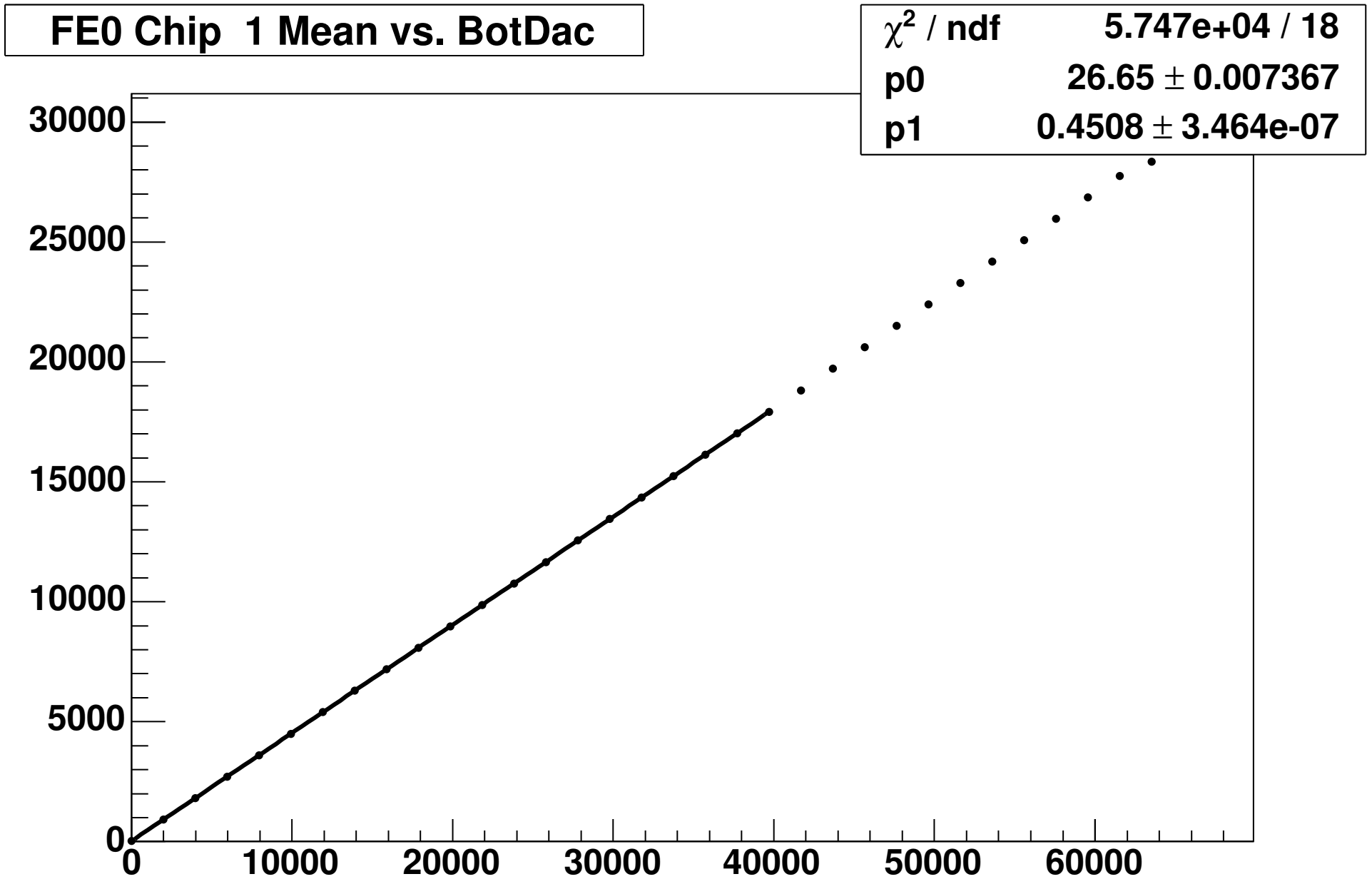
30000
40000
50000
60000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 5.747e+04 / 18
p0 26.65 ± 0.007367
p1 0.4508 ± 3.464e-07
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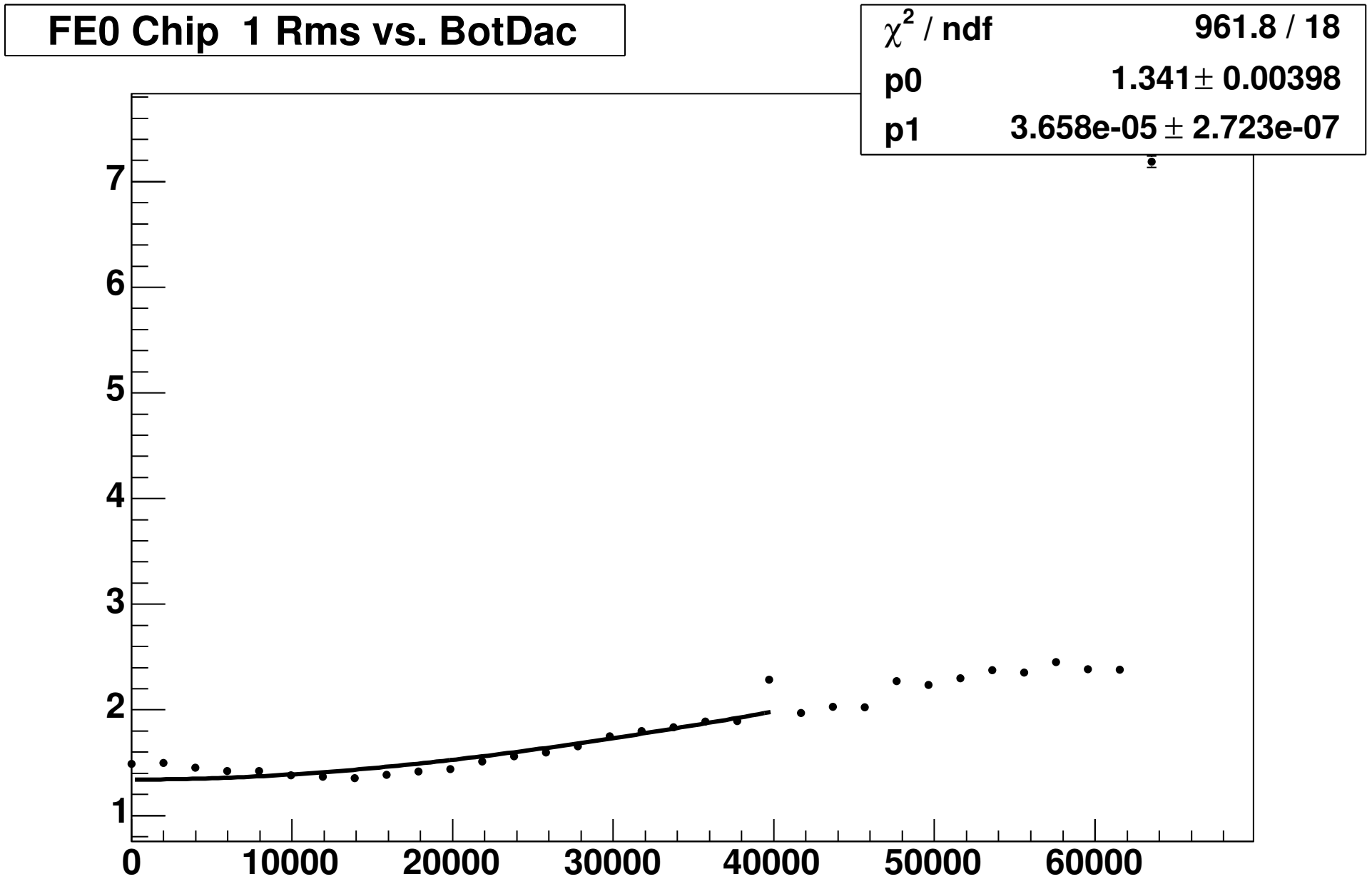
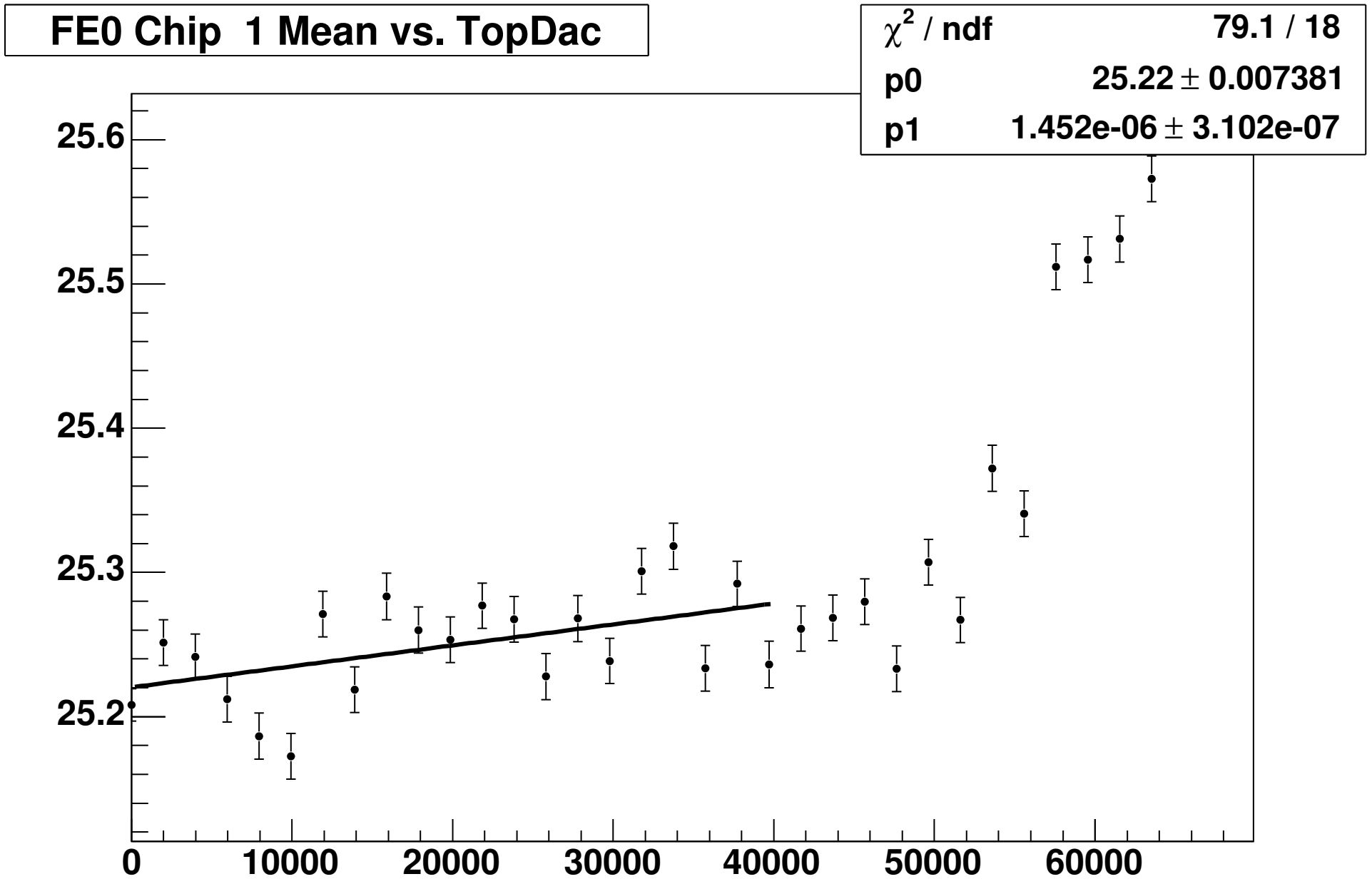
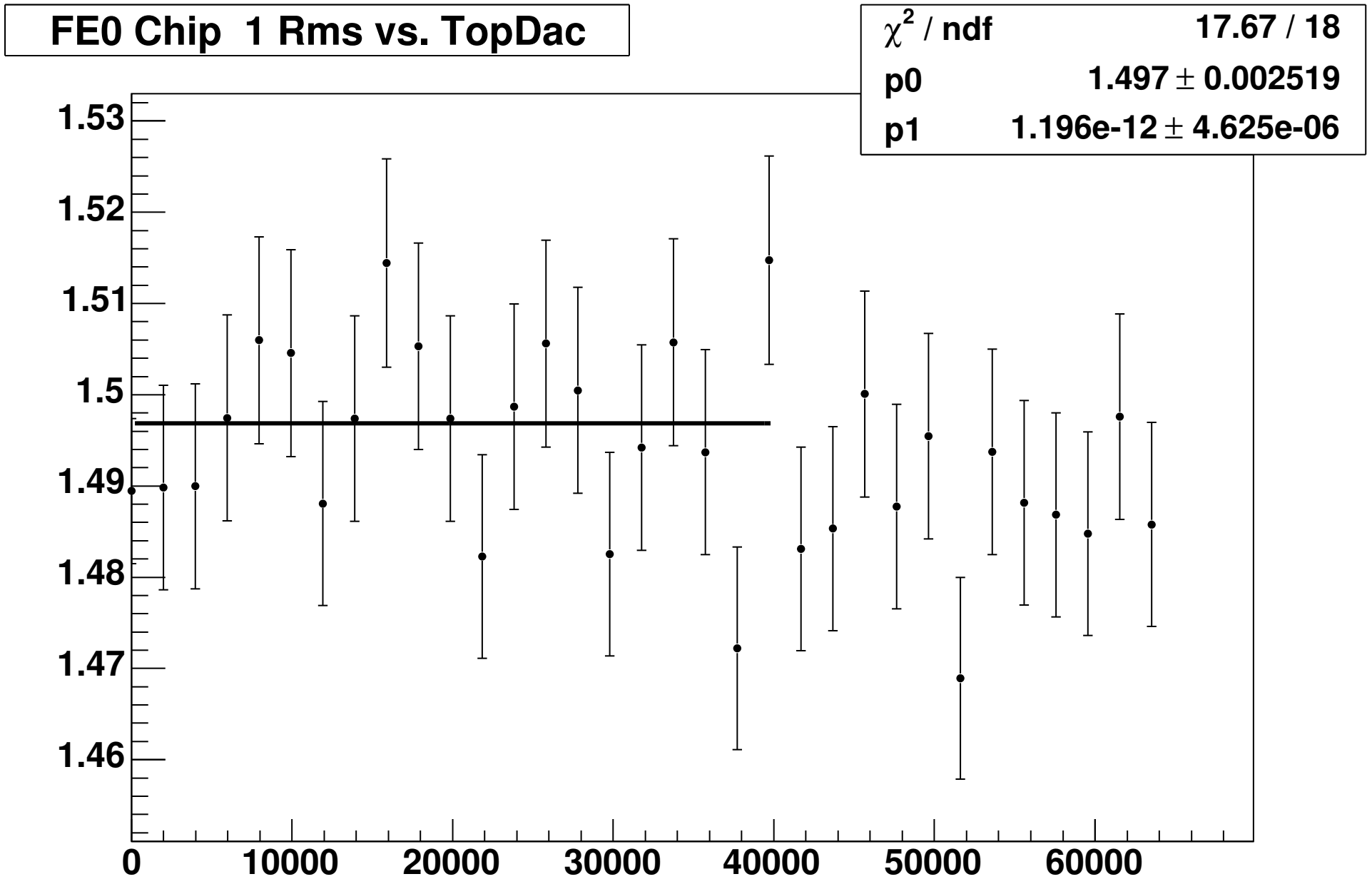
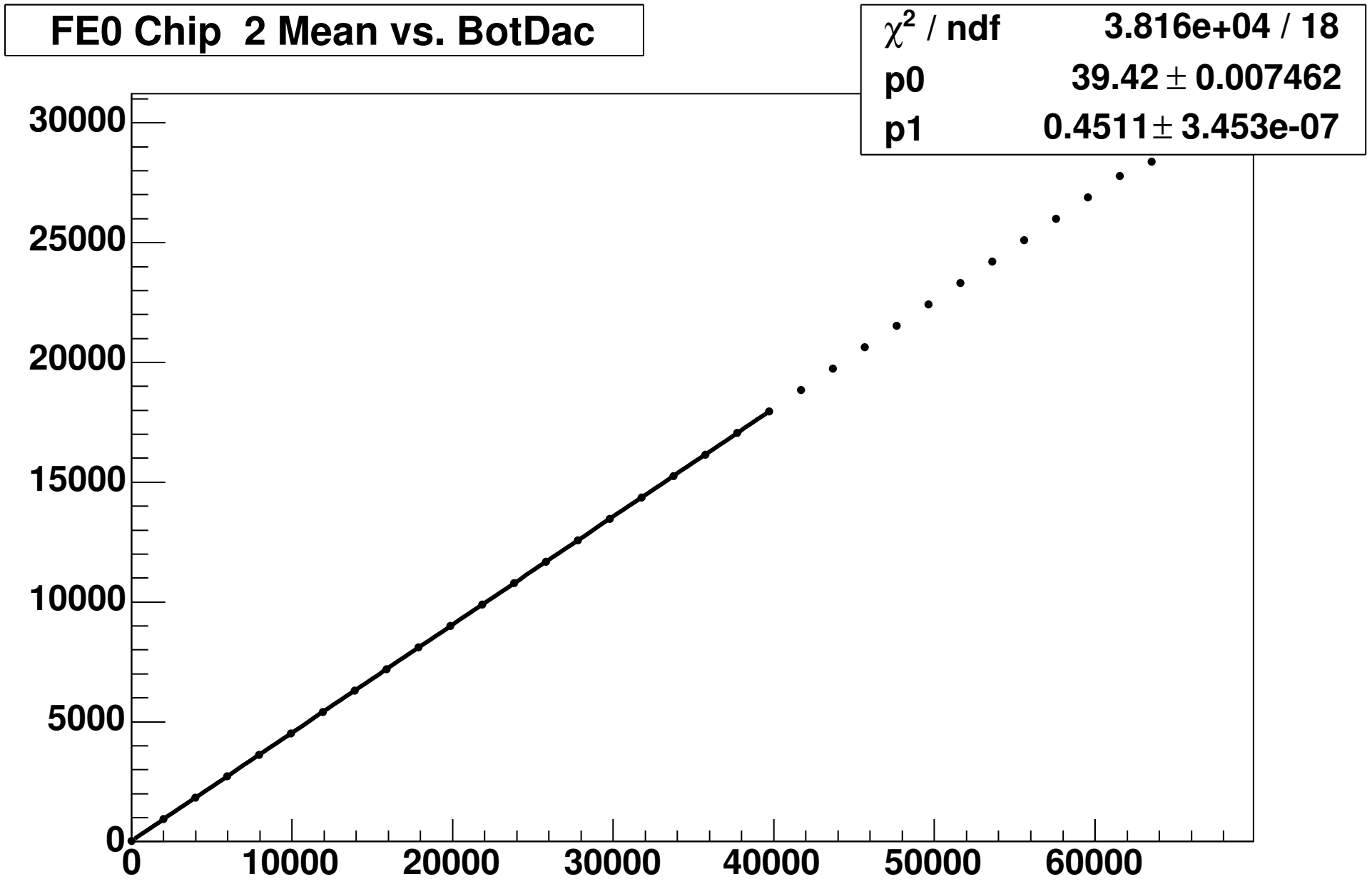
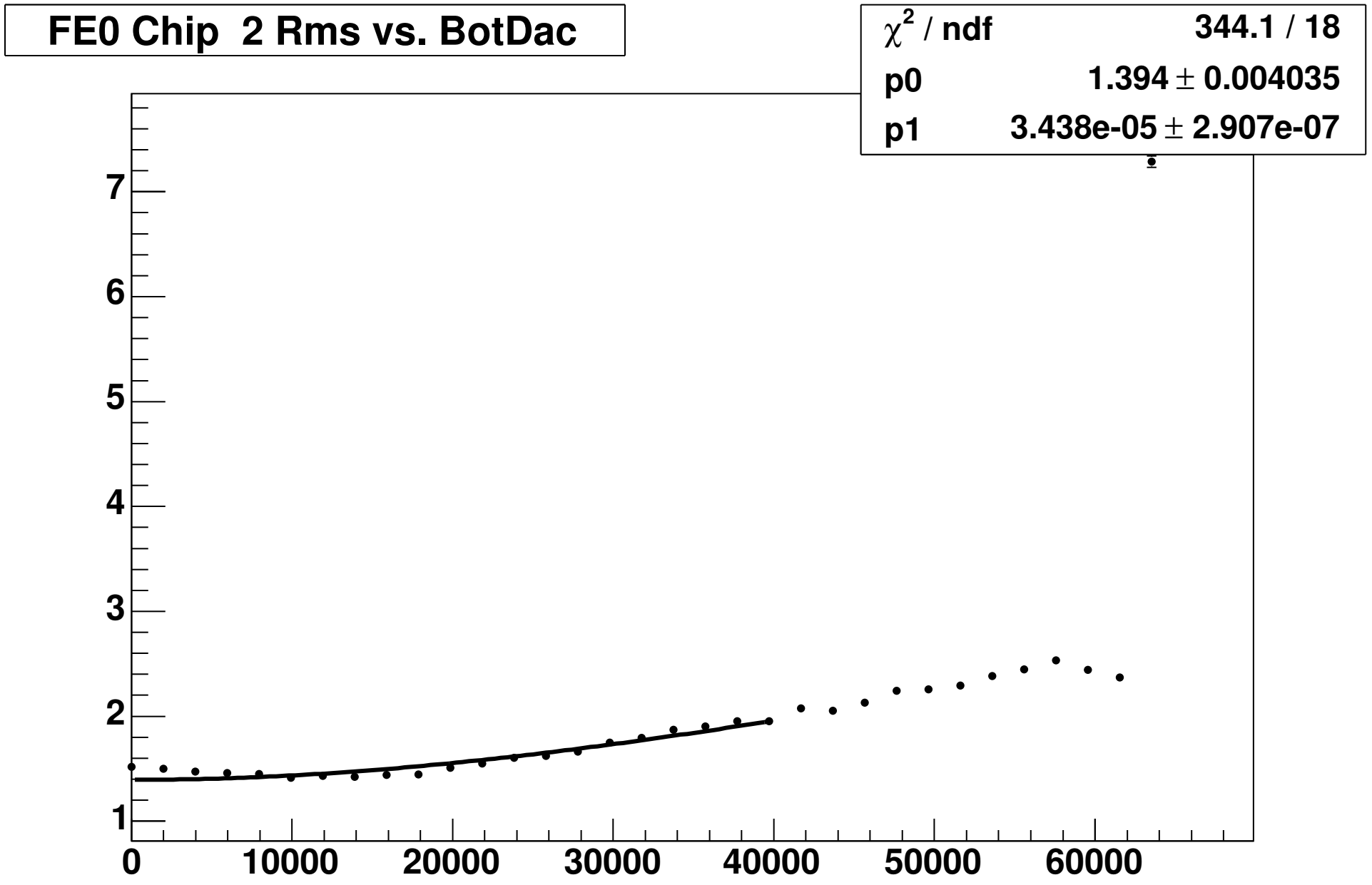
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

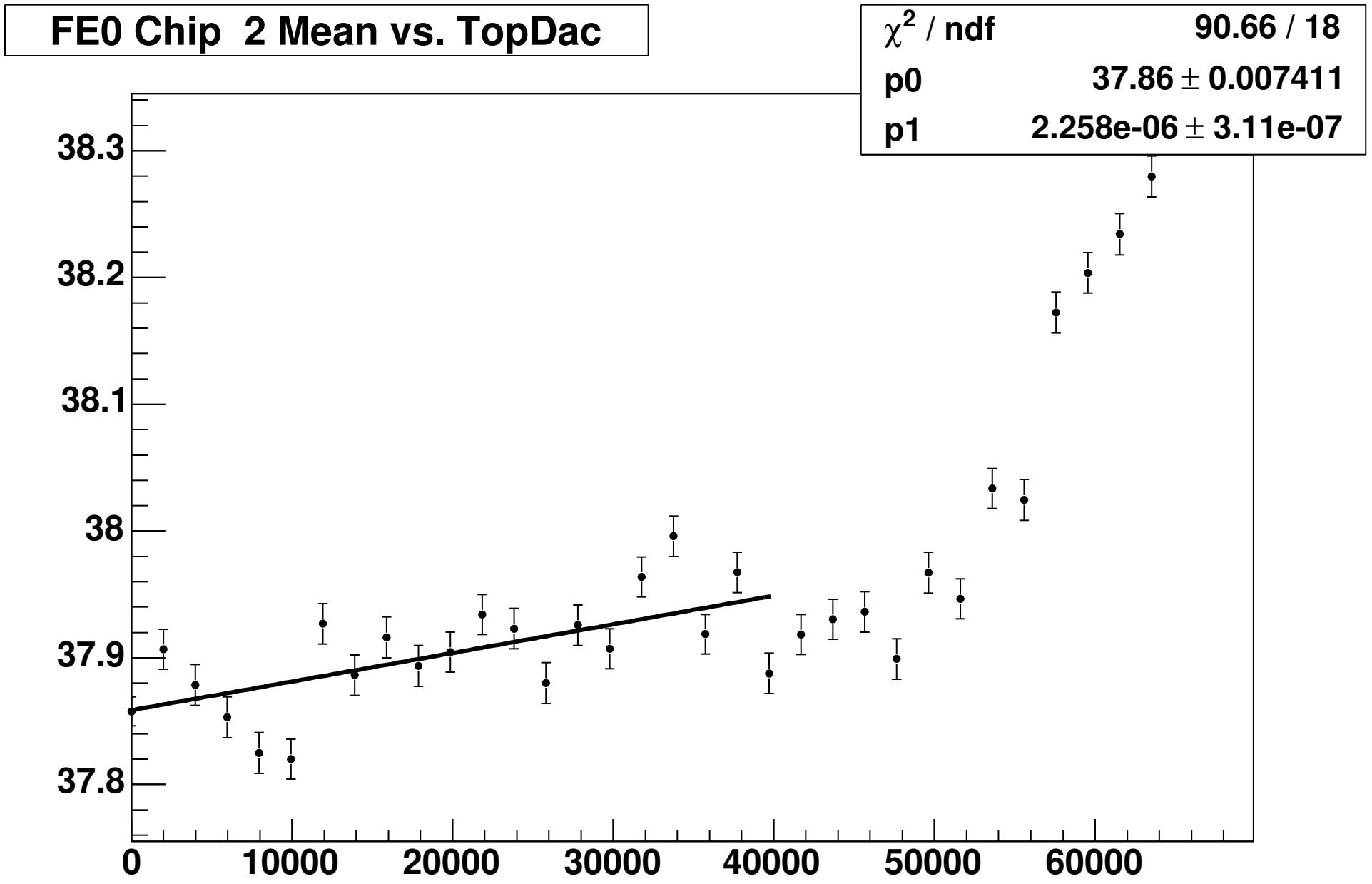

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 961.8 / 18
p0 1.341 ± 0.00398
p1 3.658e-05 ± 2.723e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

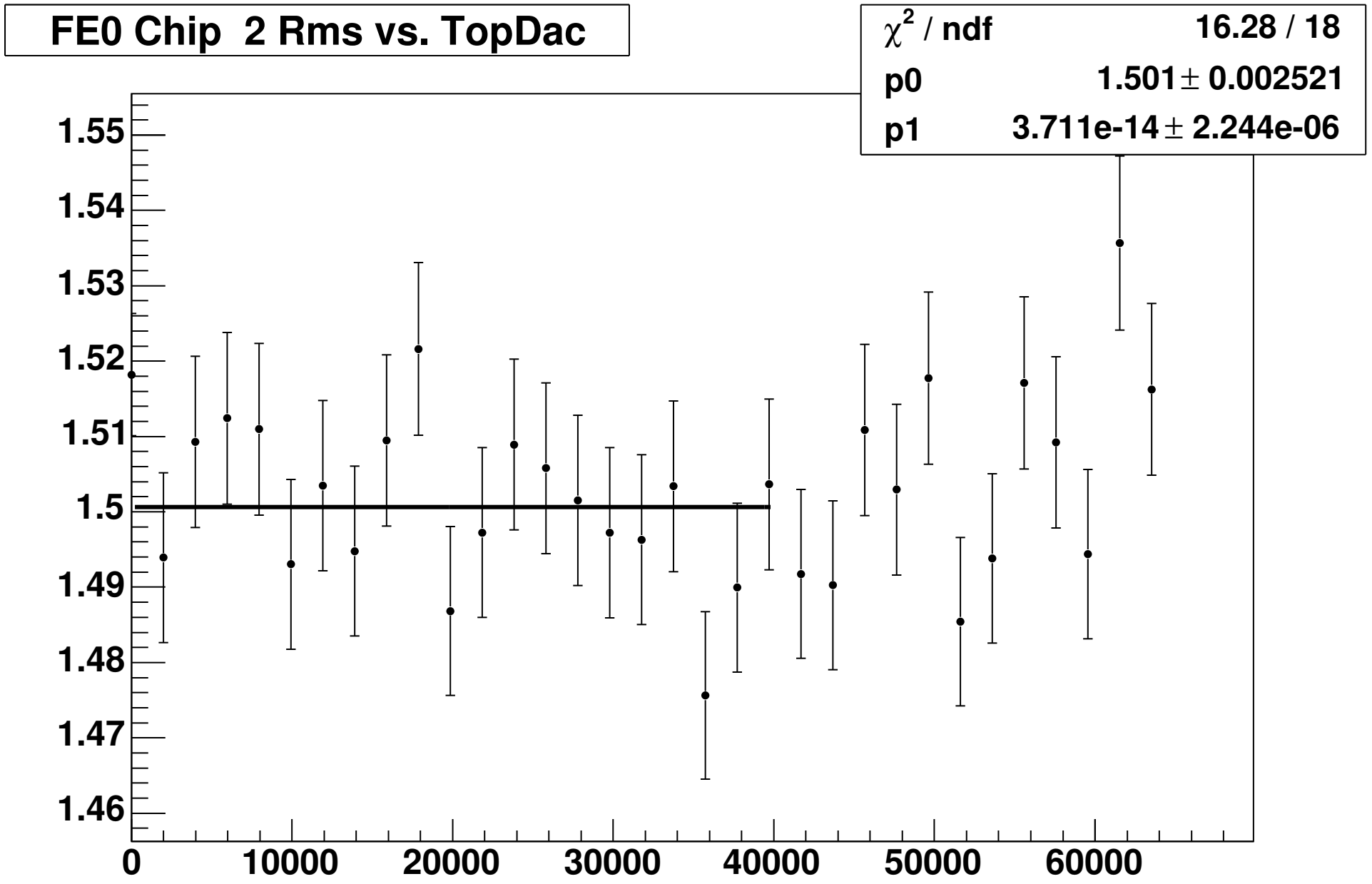

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 79.1 / 18
p0 25.22 ± 0.007381
p1 1.452e-06 ± 3.102e-07
25.6
25.5
25.4
25.3
25.2
0
10000
20000
30000
40000
50000
60000

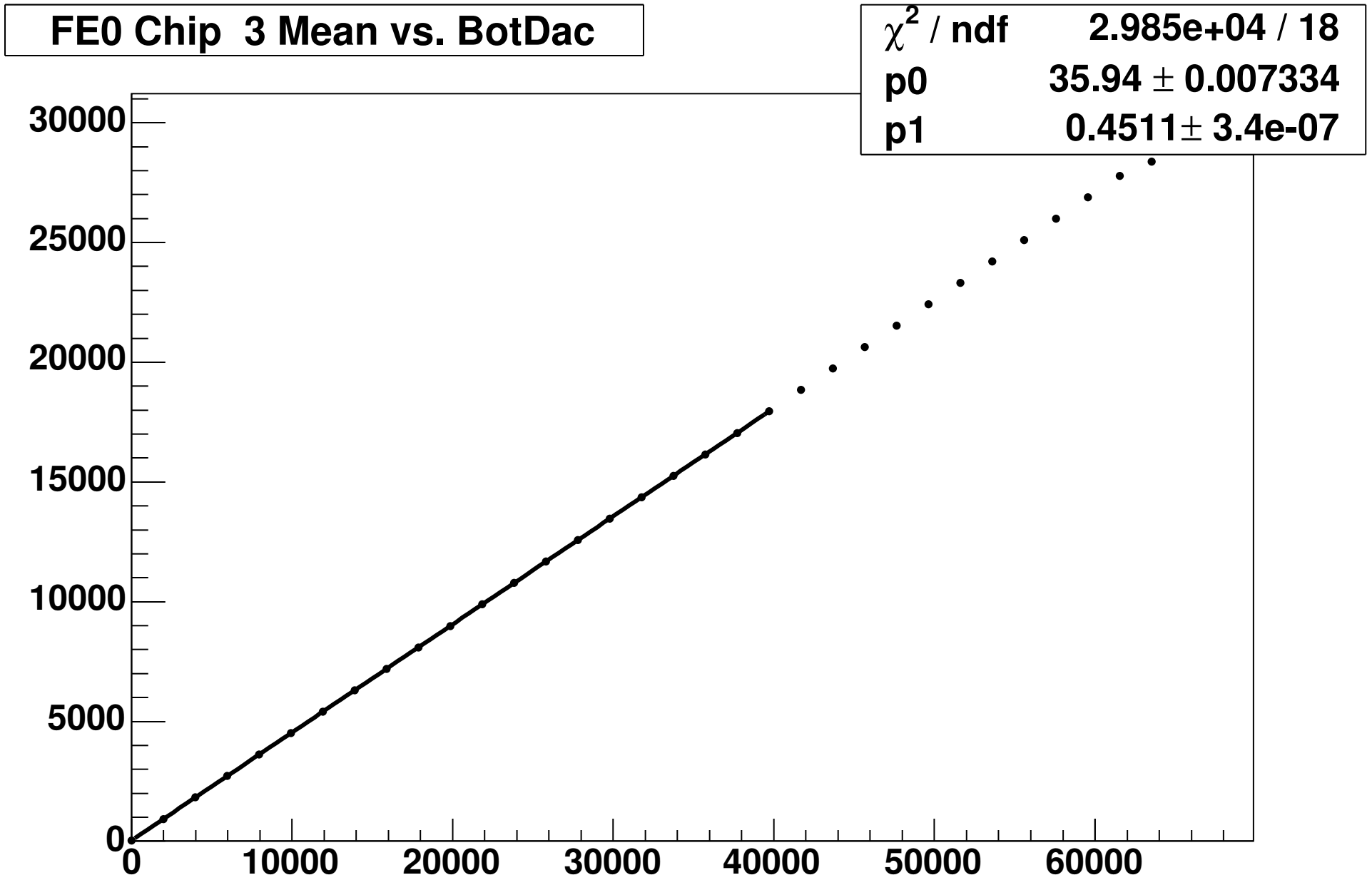

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 17.67 / 18
p0 1.497 ± 0.002519
p1 1.196e-12 ± 4.625e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

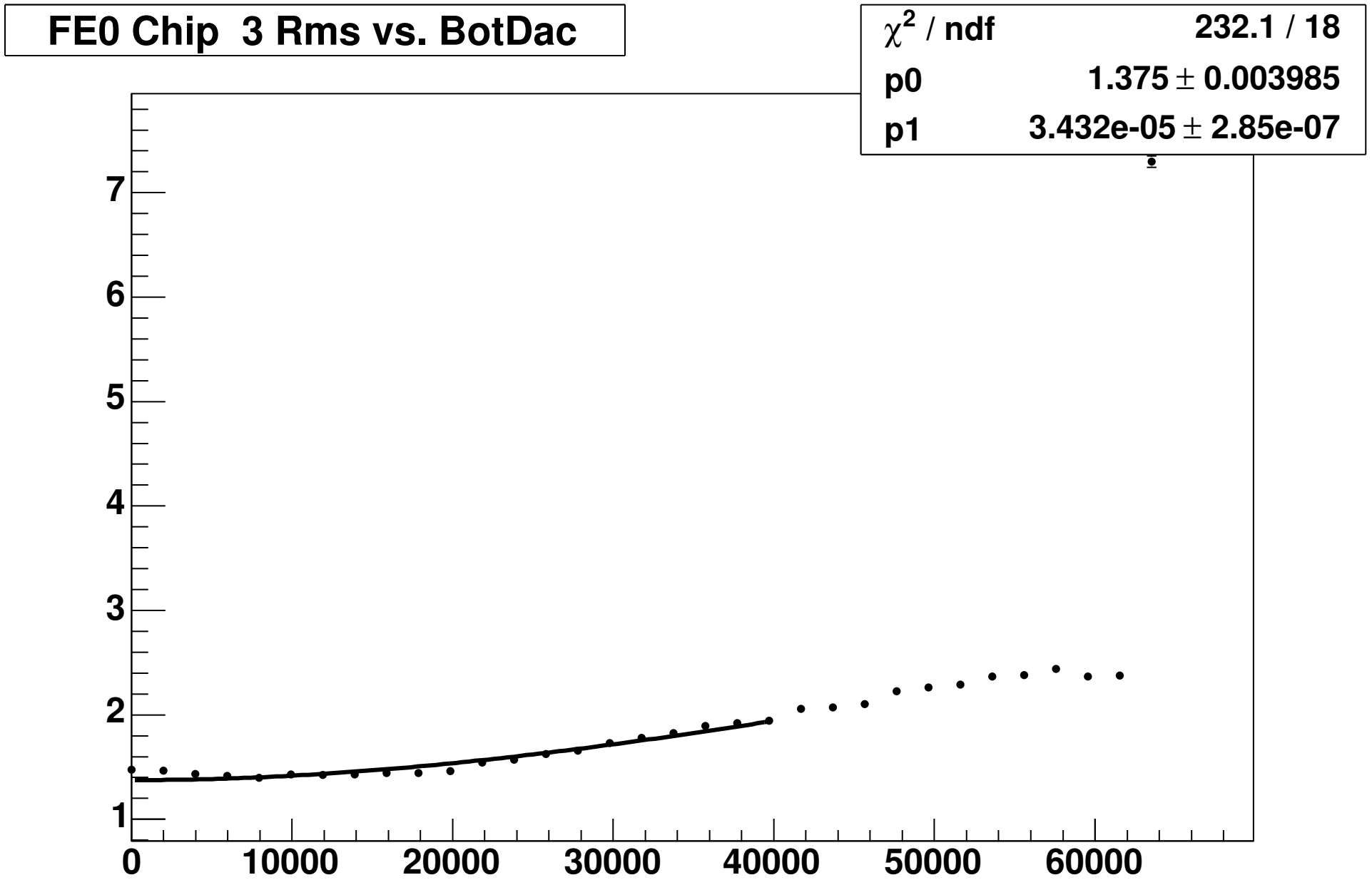

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 3.816e+04 / 18
p0 39.42 ± 0.007462
p1 0.4511 ± 3.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

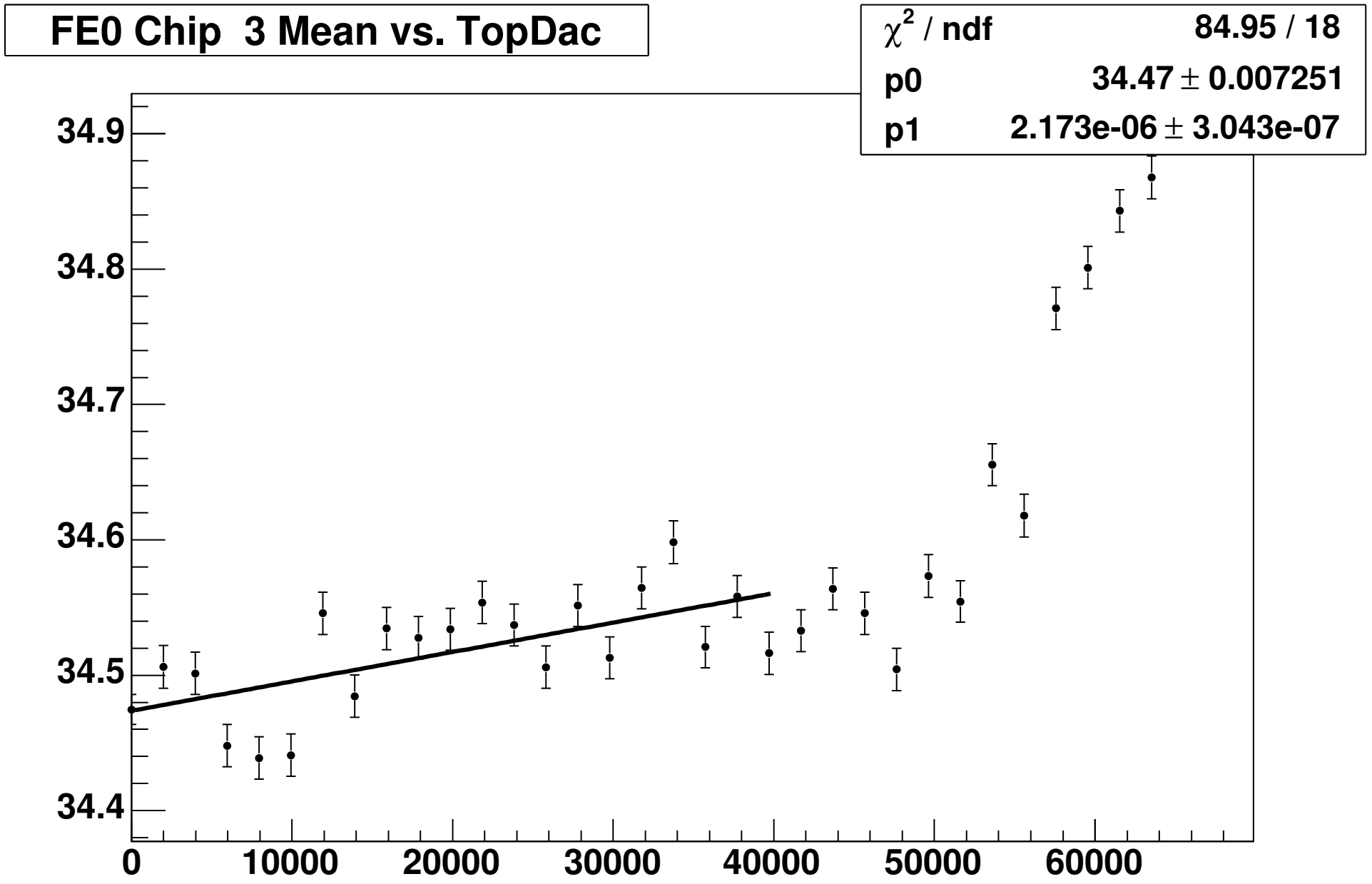

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 344.1 / 18
p0 1.394 ± 0.004035
p1 3.438e-05 ± 2.907e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

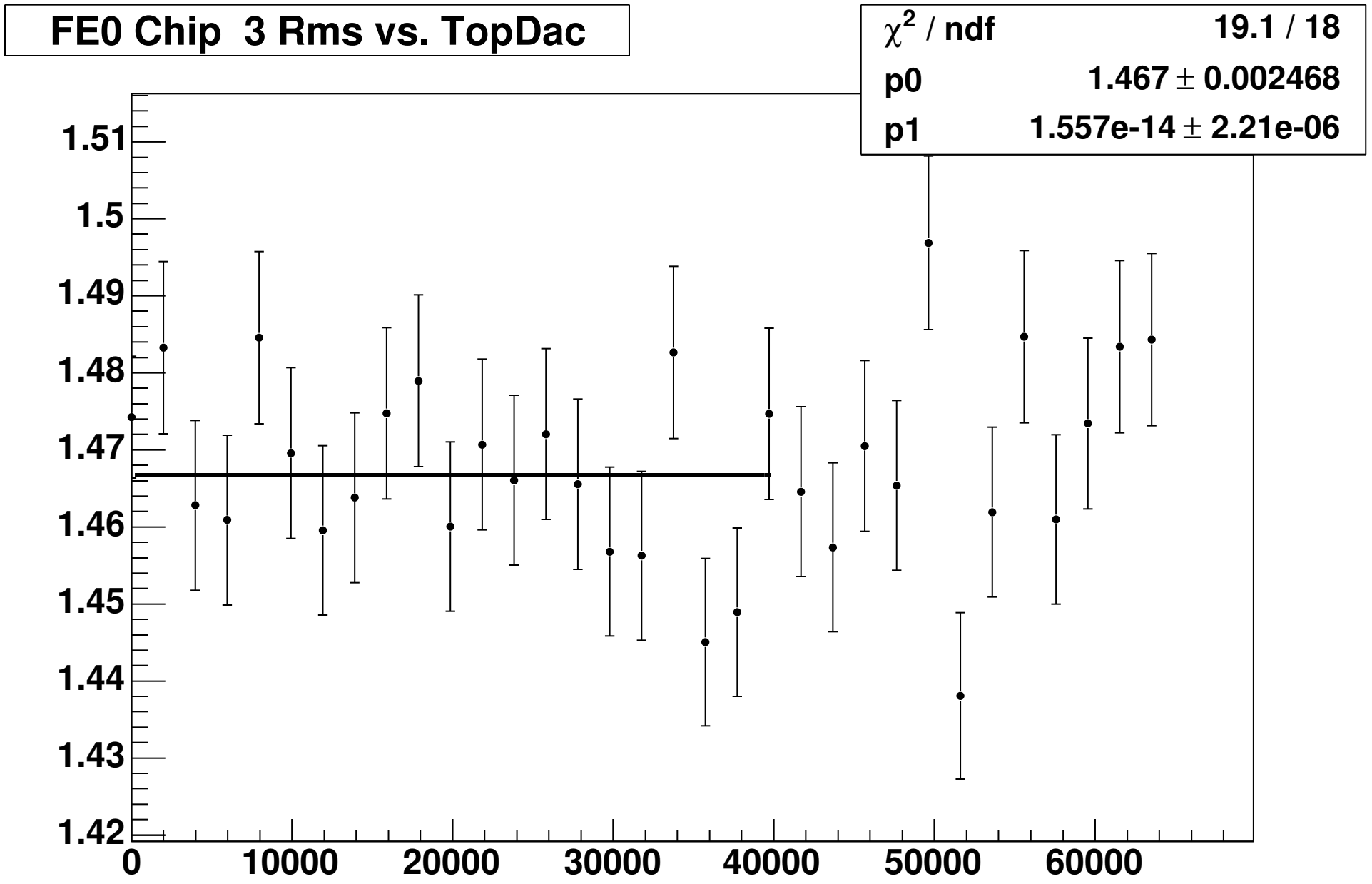

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 90.66 / 18
p0 37.86 ± 0.007411
p1 2.258e-06 ± 3.11e-07
38.3
38.2
38.1
38
37.9
37.8
0
10000
20000
30000
40000
50000
60000

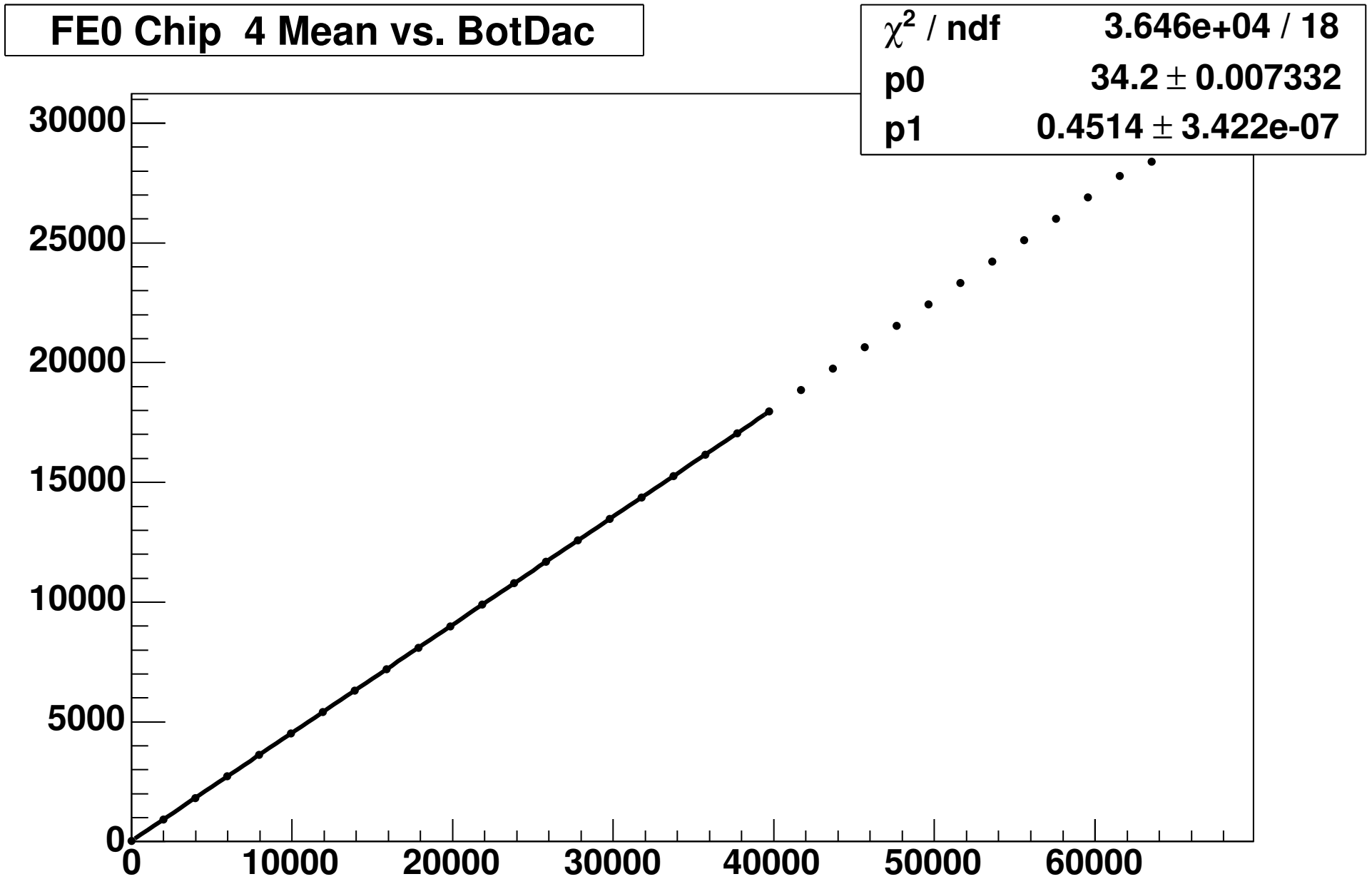

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 16.28 / 18
p0 1.501 ± 0.002521
p1 3.711e-14 ± 2.244e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

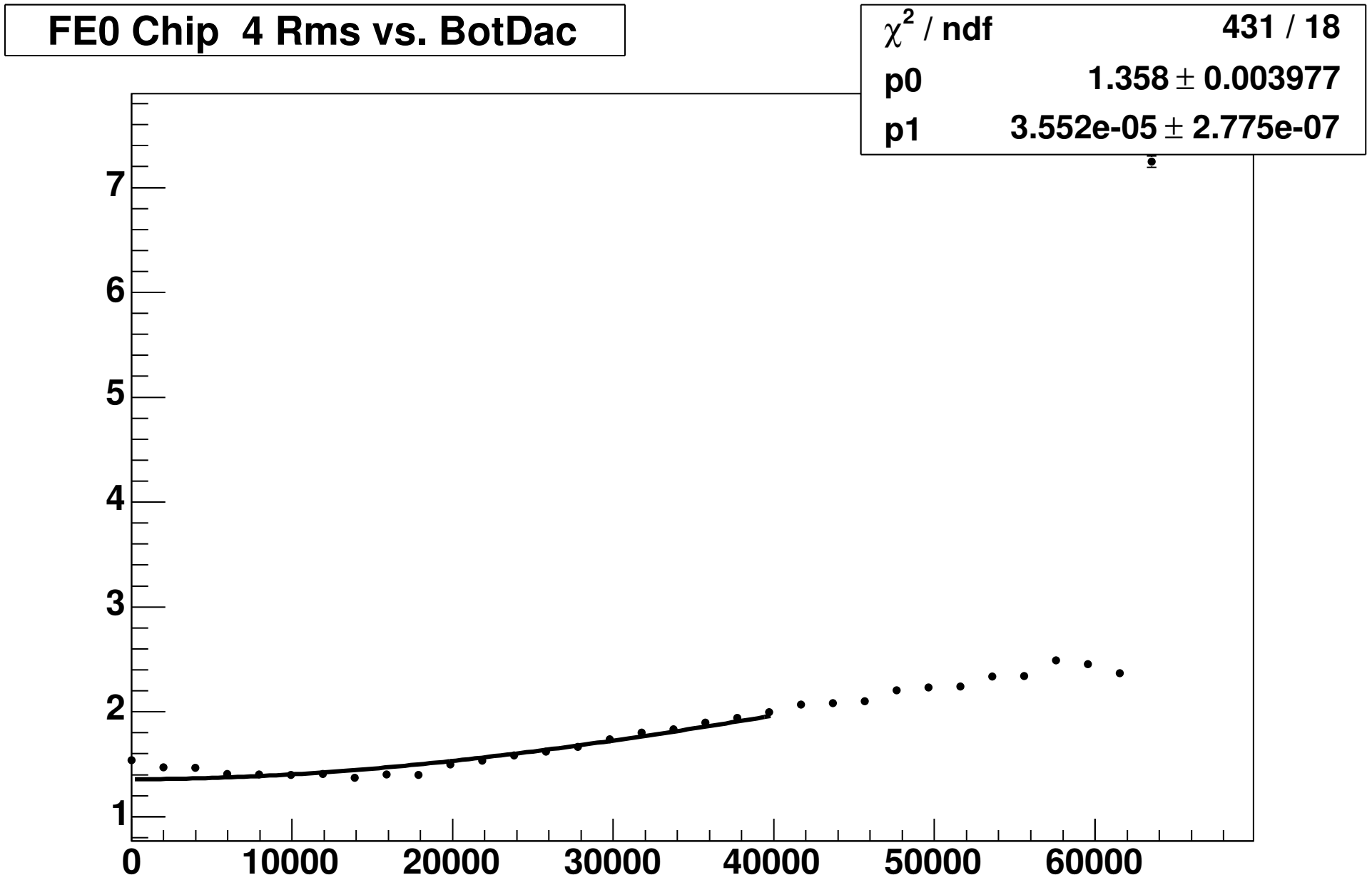

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 2.985e+04 / 18
p0 35.94 ± 0.007334
p1 0.4511± 3.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

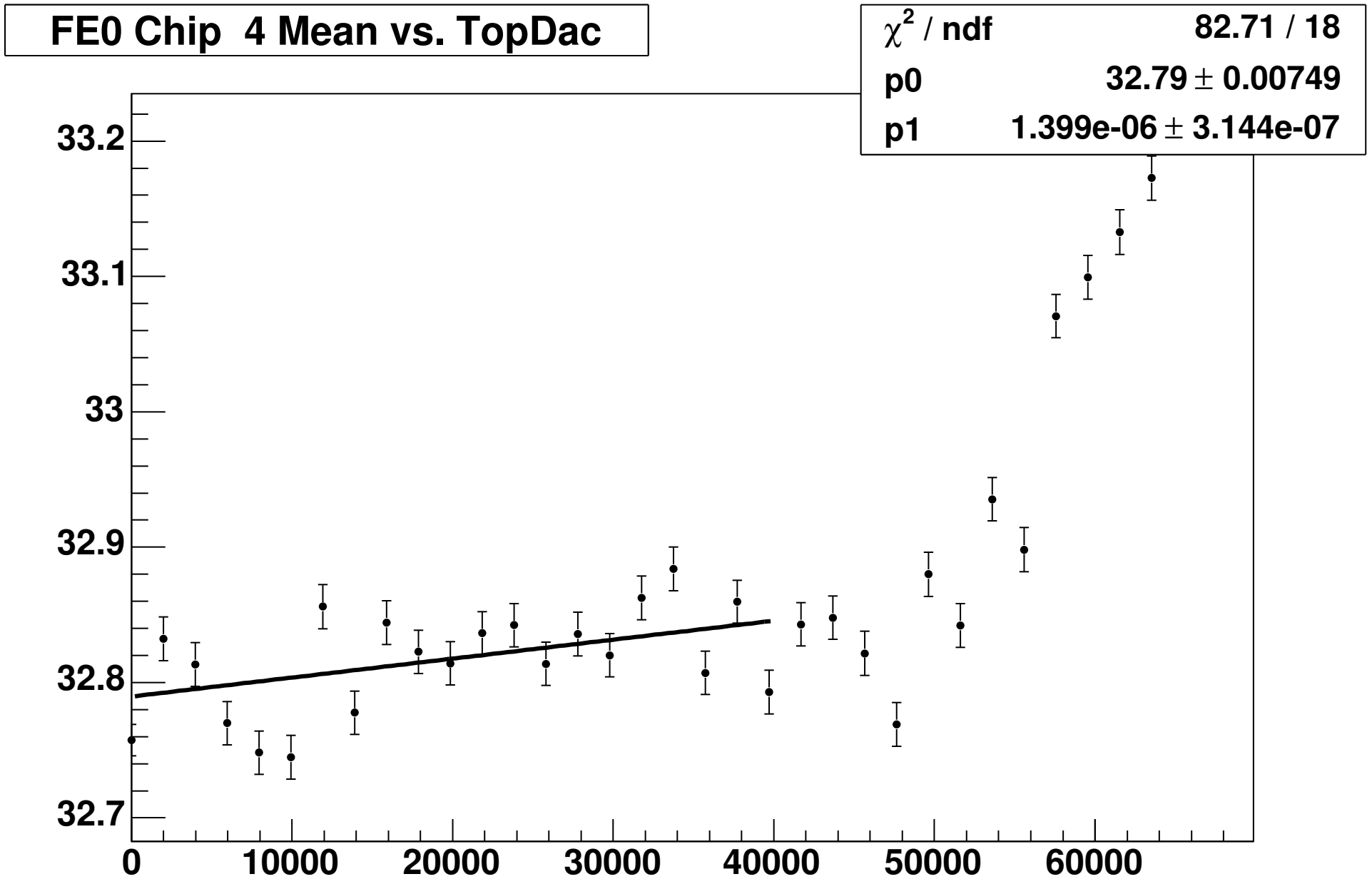

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 232.1 / 18
p0 1.375 ± 0.003985
p1 3.432e-05 ± 2.85e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

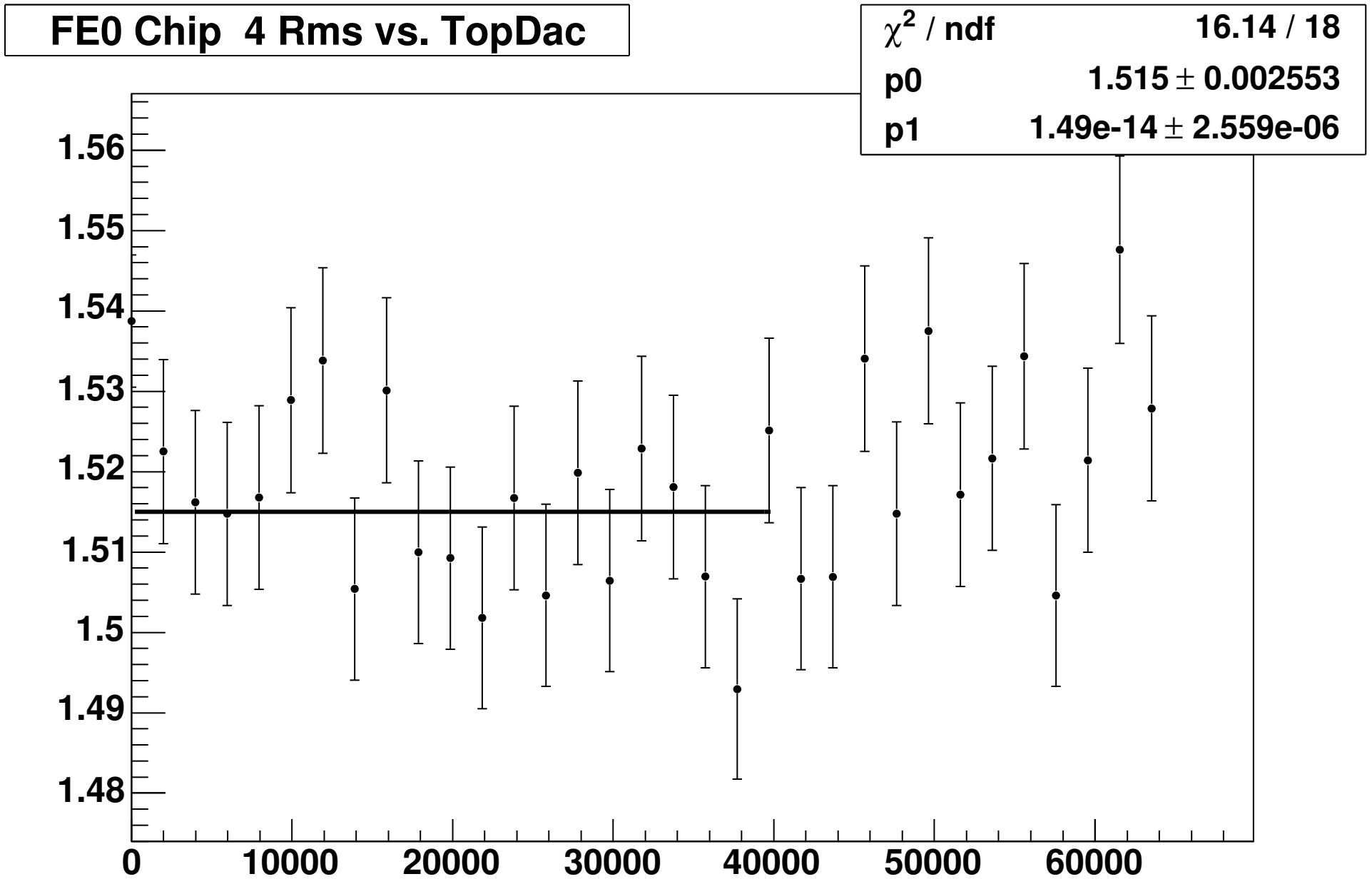

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 84.95 / 18
p0 34.47 ± 0.007251
p1 2.173e-06 ± 3.043e-07
34.9
34.8
34.7
34.6
34.5
34.4
0
10000
20000
30000
40000
50000
60000

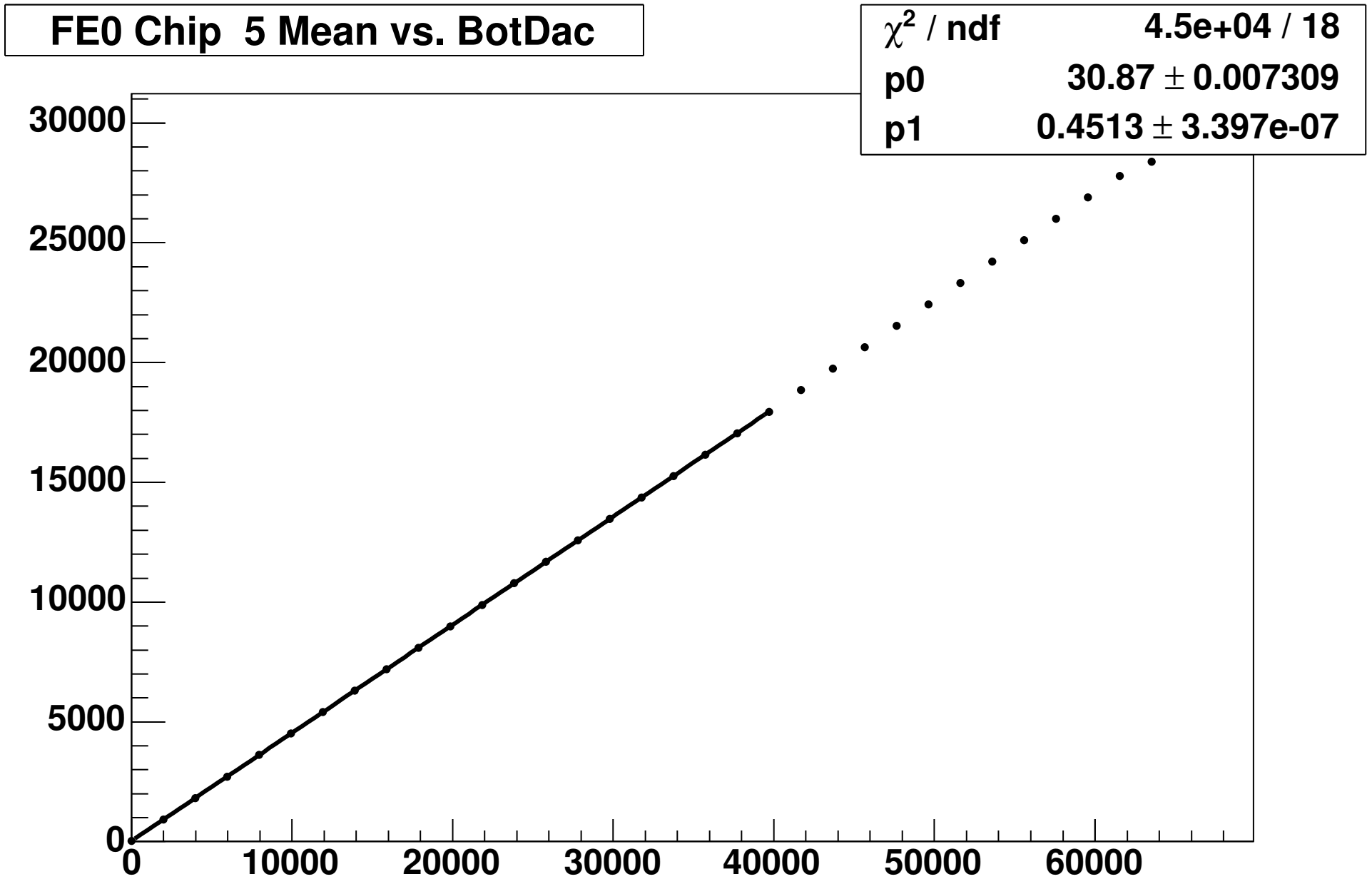

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 19.1 / 18
p0 1.467 ± 0.002468
p1 1.557e-14 ± 2.21e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 3.646e+04 / 18
p0 34.2 ± 0.007332
p1 0.4514 ± 3.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 431 / 18
p0 1.358 ± 0.003977
p1 3.552e-05 ± 2.775e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 82.71 / 18
p0 32.79 ± 0.00749
p1 1.399e-06 ± 3.144e-07
33.2
33.1
33
32.9
32.8
32.7
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 16.14 / 18
p0 1.515 ± 0.002553
p1 1.49e-14 ± 2.559e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 4.5e+04 / 18
p0 30.87 ± 0.007309
p1 0.4513 ± 3.397e-07
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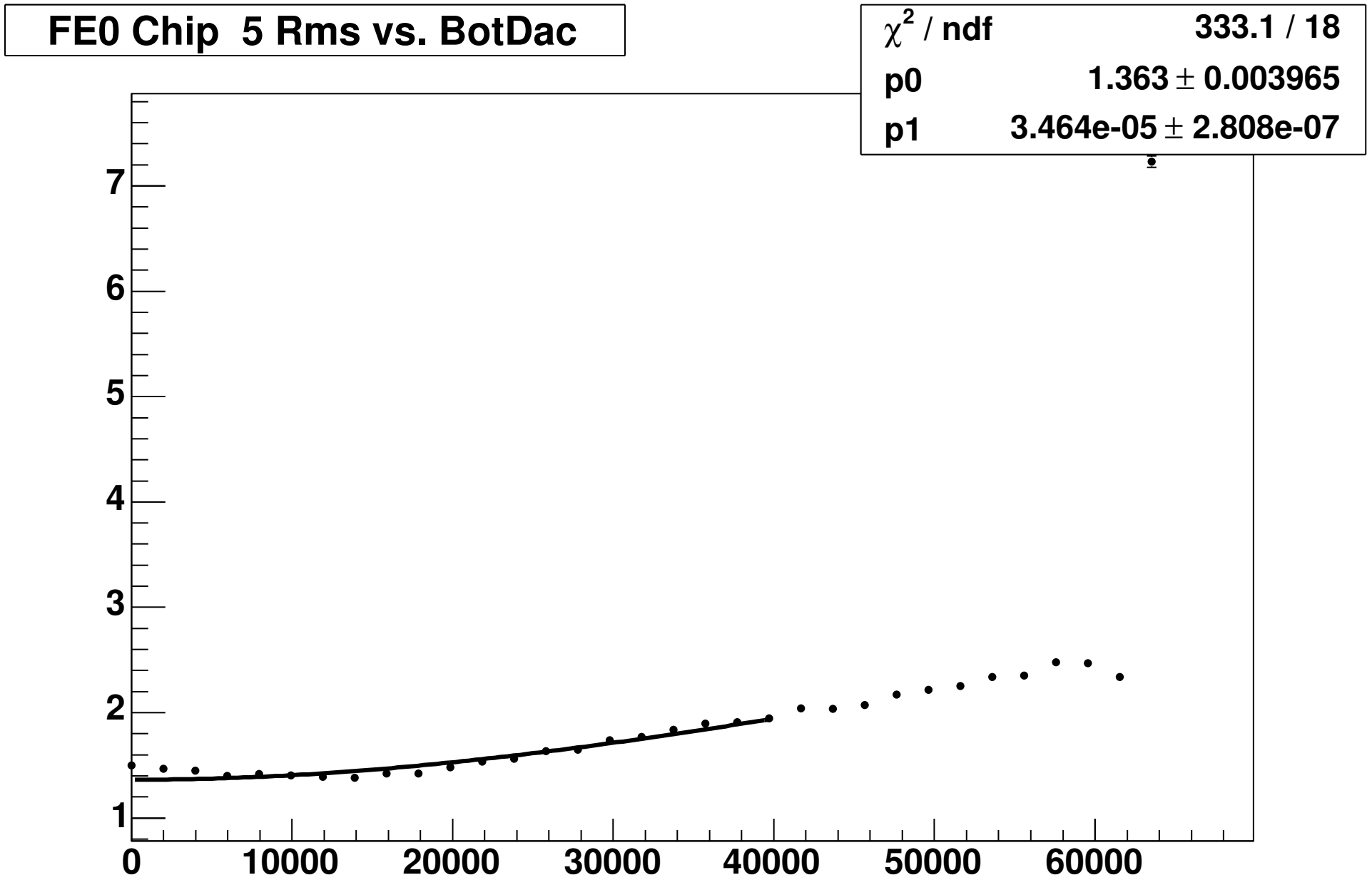
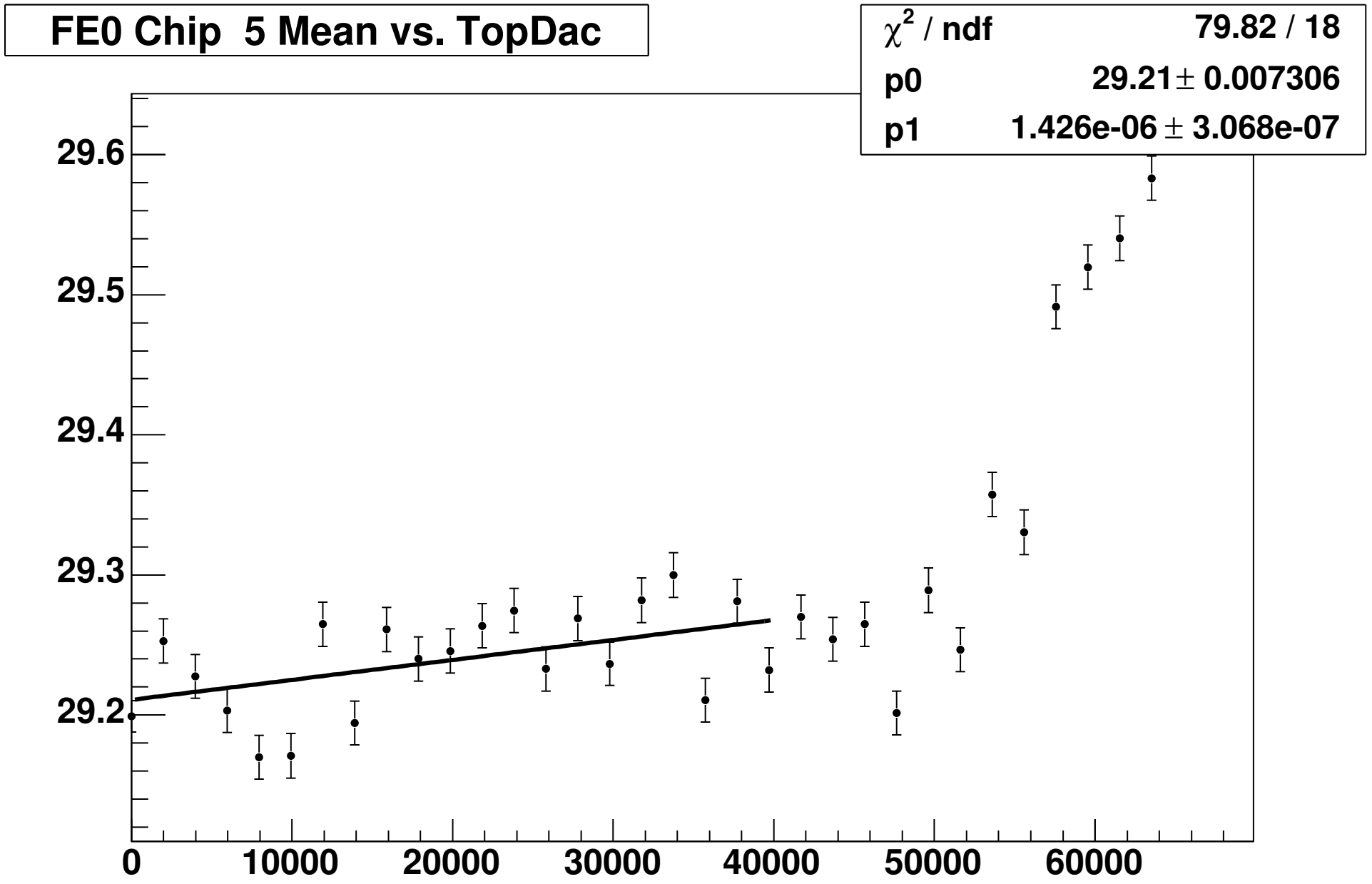
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 333.1 / 18
p0 1.363 ± 0.003965
p1 3.464e-05 ± 2.808e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 79.82 / 18
p0 29.21 ± 0.007306
p1 1.426e-06 ± 3.068e-07
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29.5
29.4
29.3
29.2
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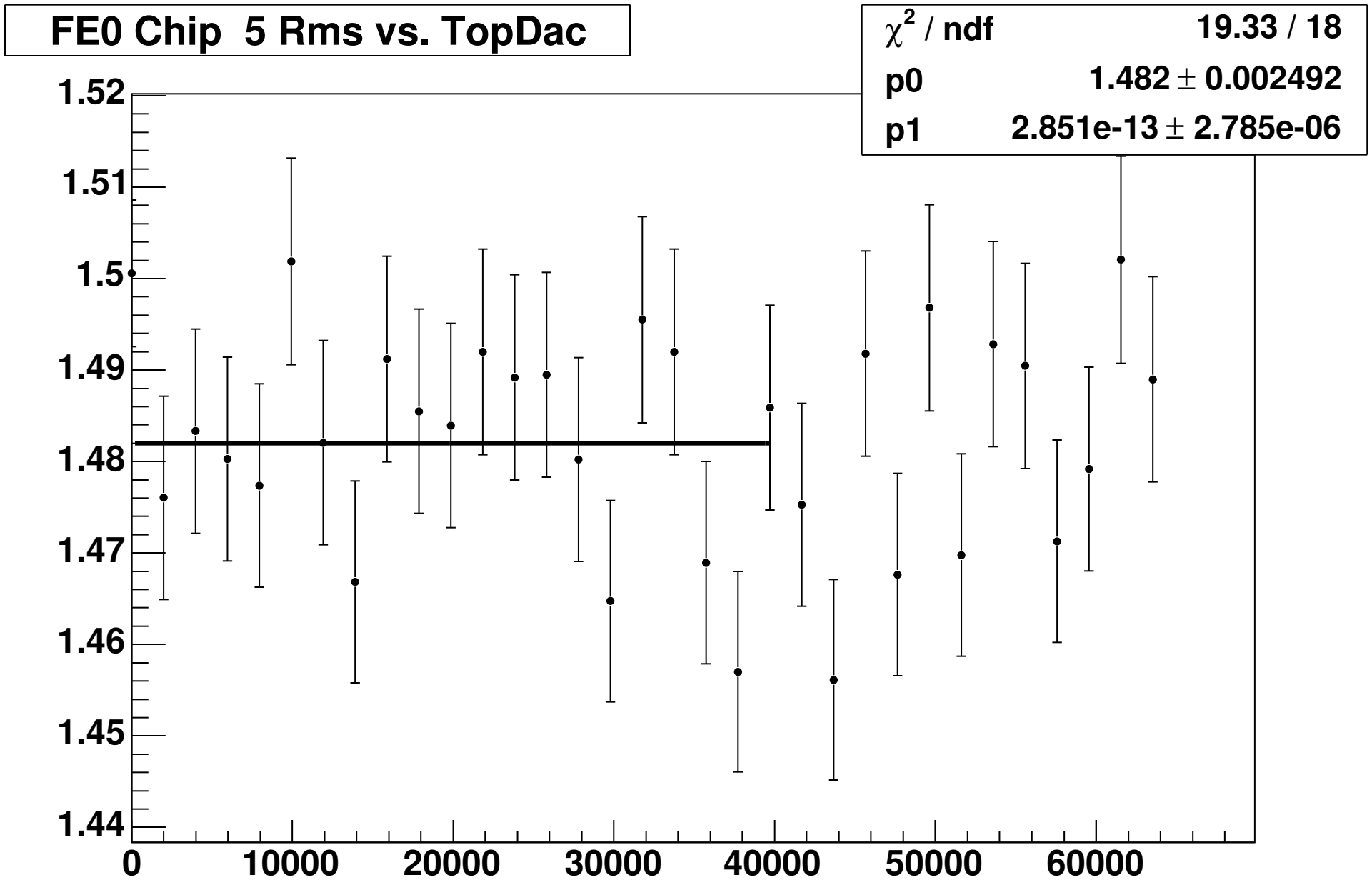
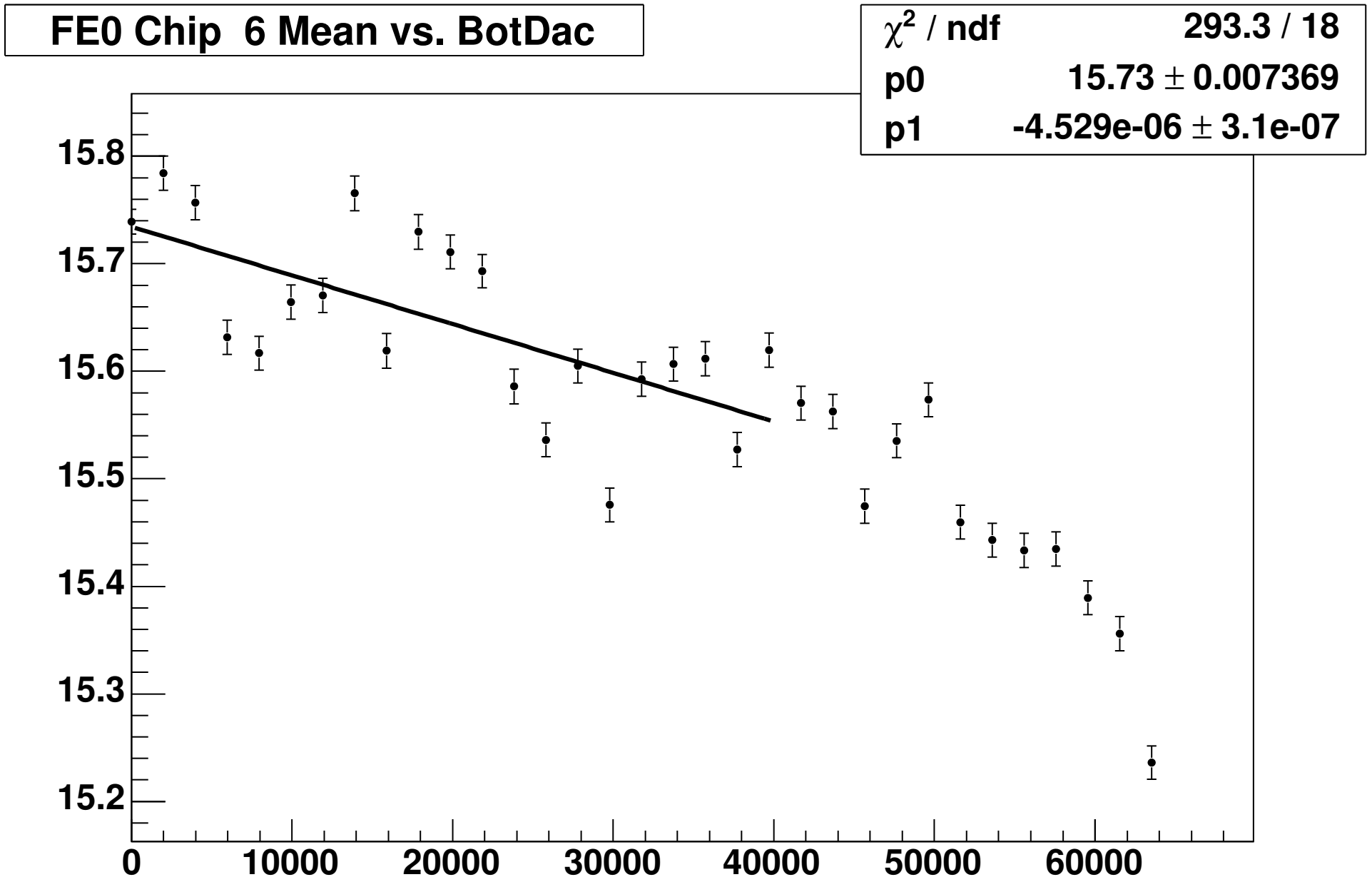
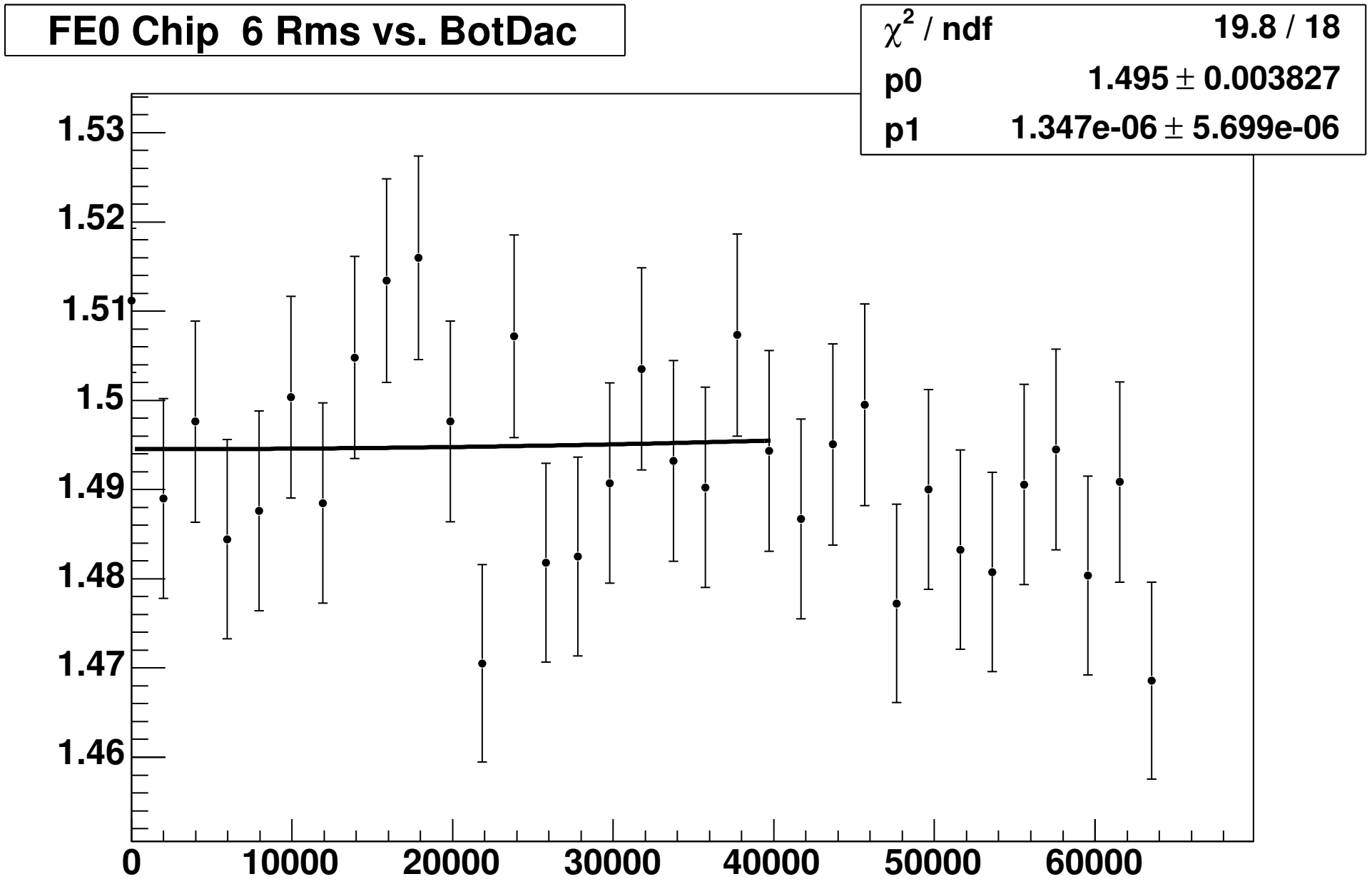
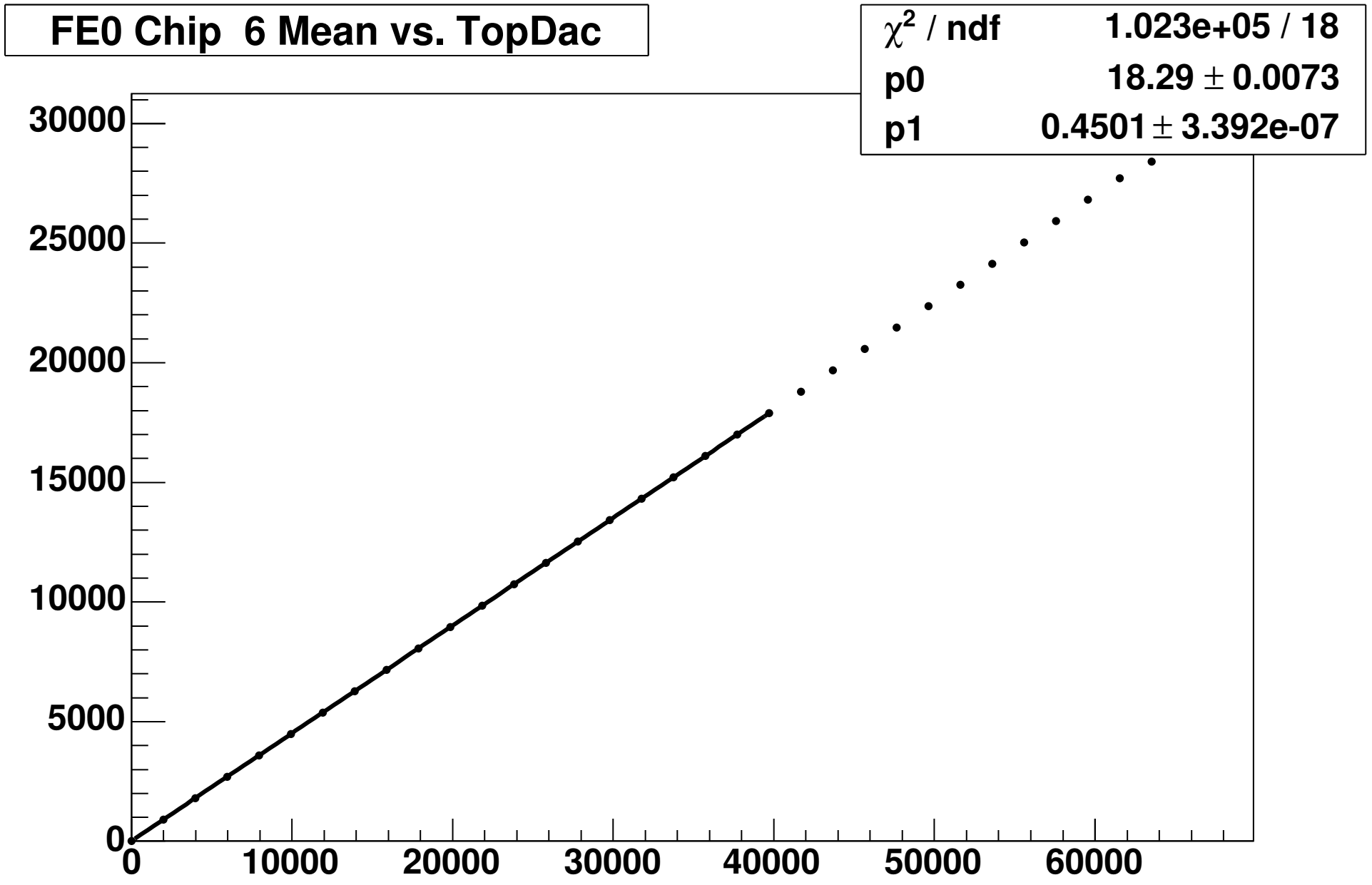
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 19.33 / 18
p0 1.482 ± 0.002492
p1 2.851e-13 ± 2.785e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 293.3 / 18
p0 15.73 ± 0.007369
p1 -4.529e-06 ± 3.1e-07
15.8
15.7
15.6
15.5
15.4
15.3
15.2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 19.8 / 18
p0 1.495 ± 0.003827
p1 1.347e-06 ± 5.699e-06
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 6 Mean vs. TopDac
χ² / ndf 1.023e+05 / 18
p0 18.29 ± 0.0073
p1 0.4501 ± 3.392e-07
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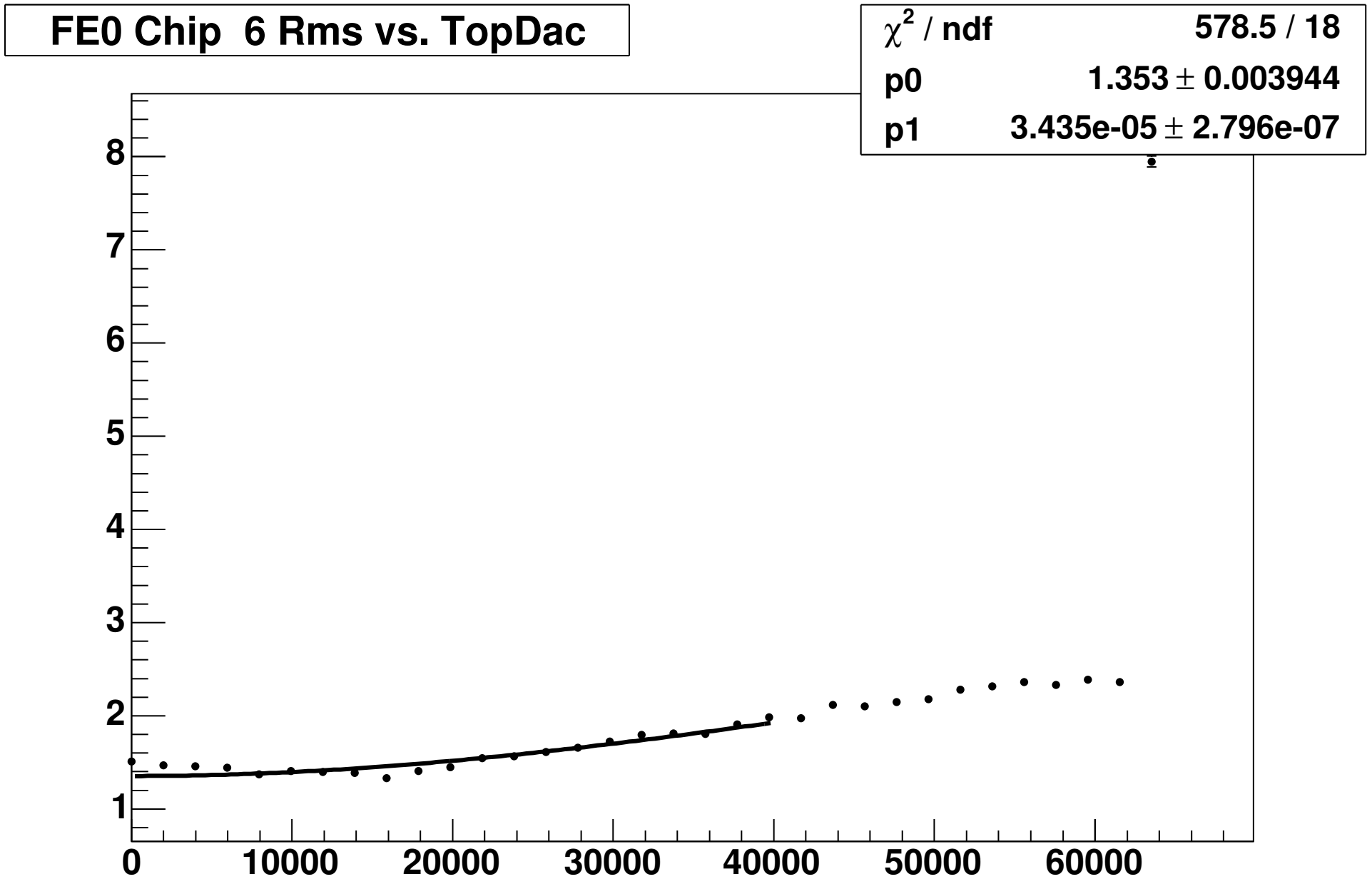
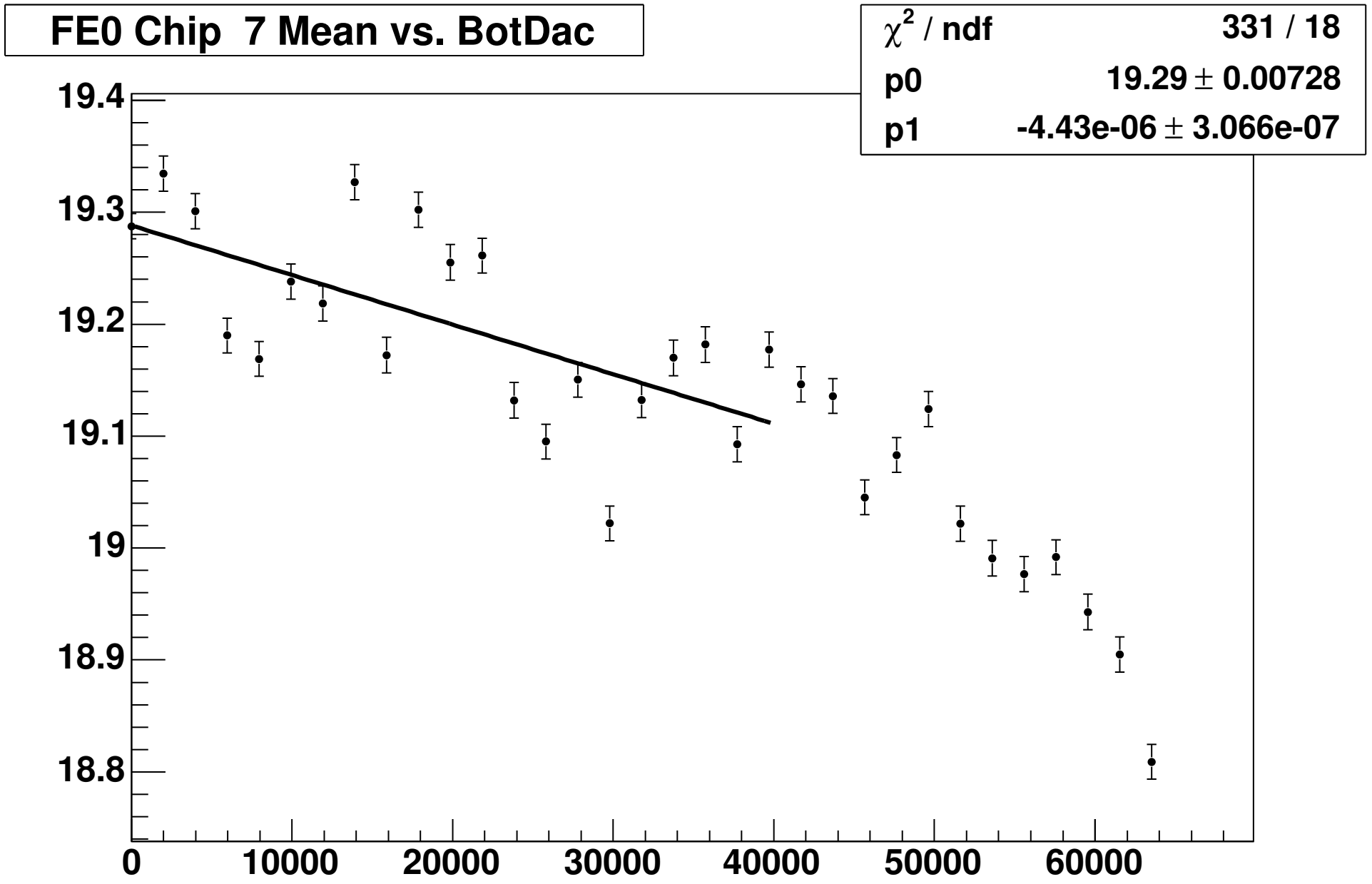
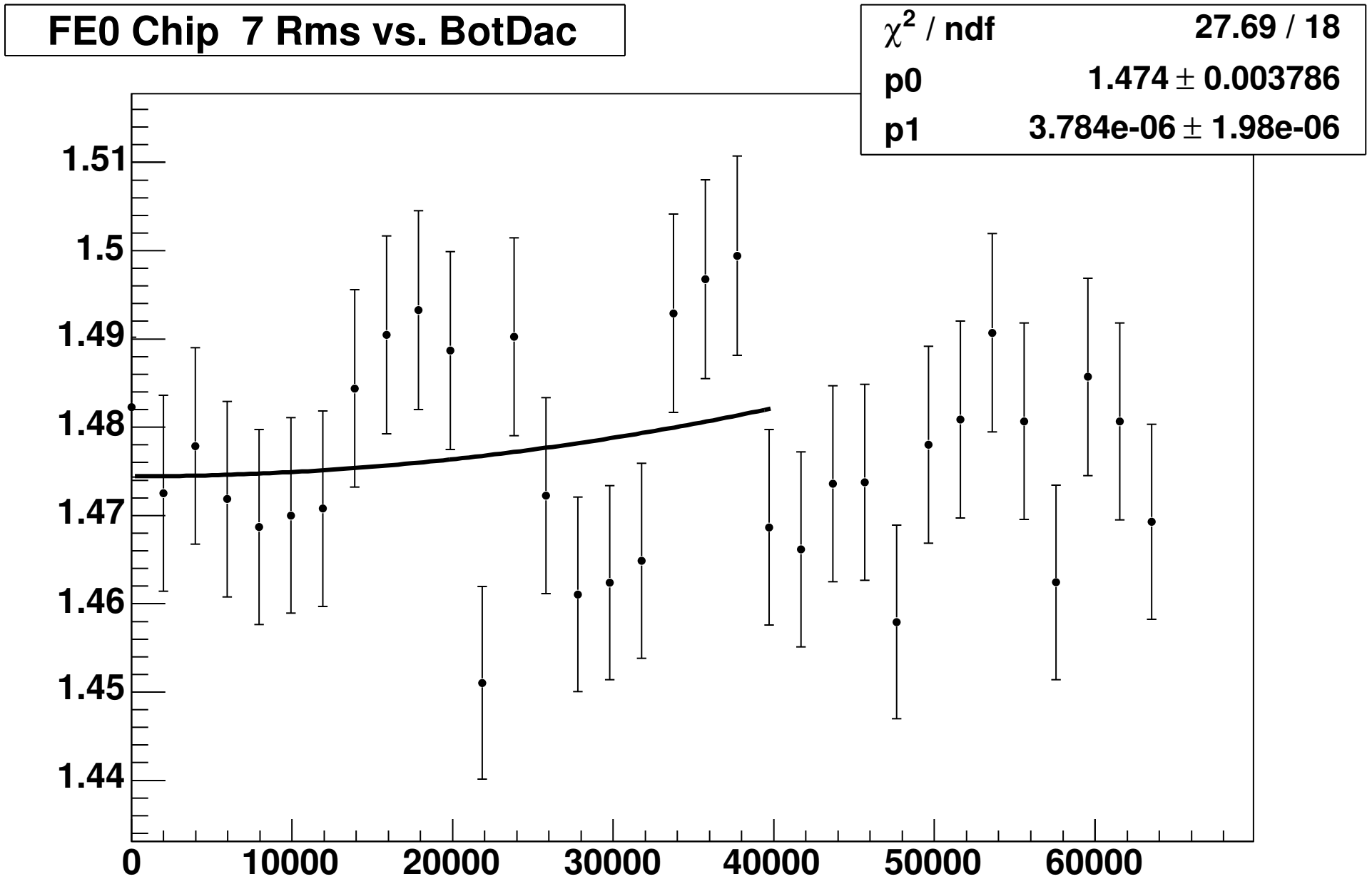
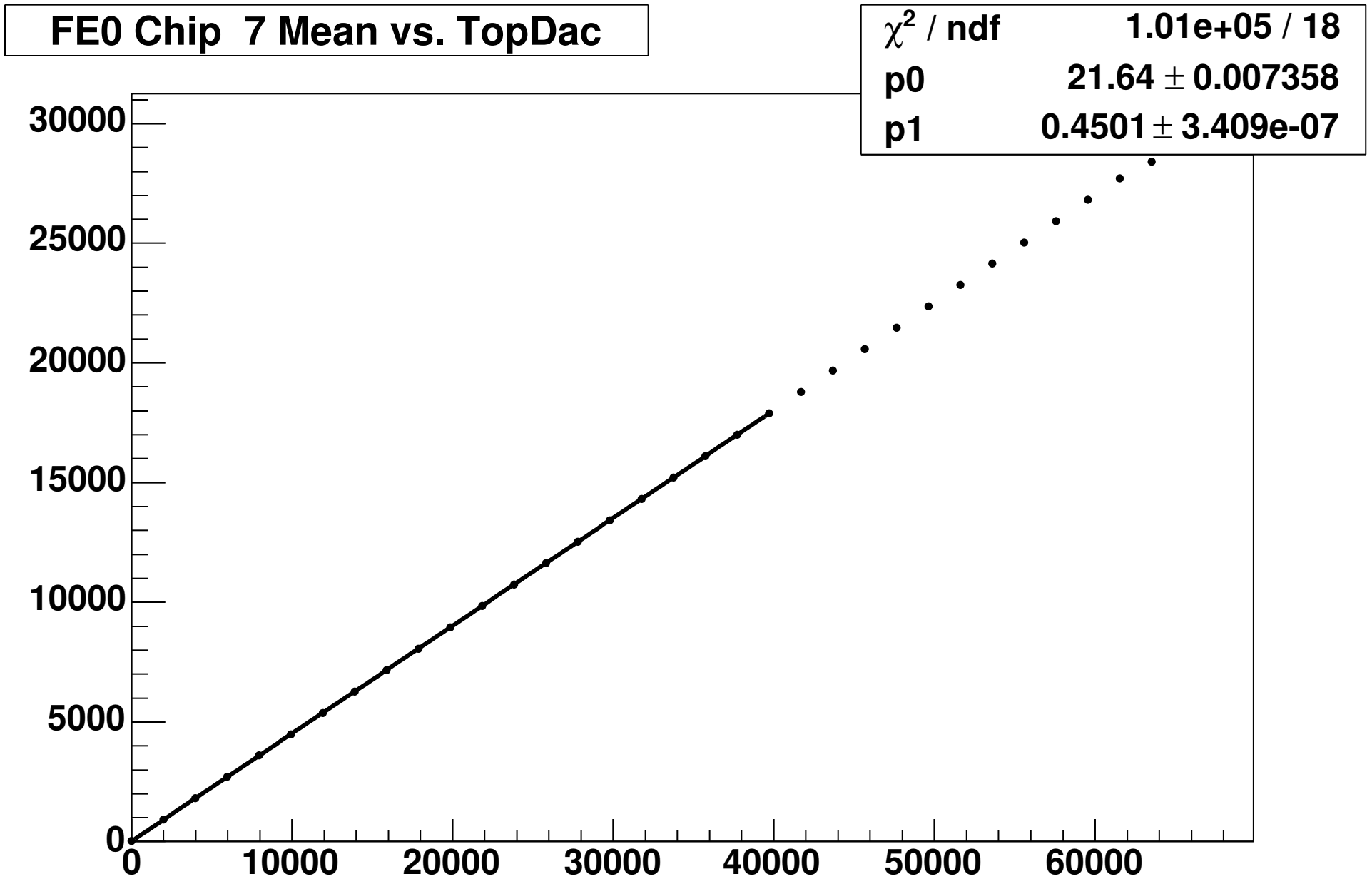
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 578.5 / 18
p0 1.353 ± 0.003944
p1 3.435e-05 ± 2.796e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 331 / 18
p0 19.29 ± 0.00728
p1 -4.43e-06 ± 3.066e-07
19.4
19.3
19.2
19.1
19
18.9
18.8
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 27.69 / 18
p0 1.474 ± 0.003786
p1 3.784e-06 ± 1.98e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.01e+05 / 18
p0 21.64 ± 0.007358
p1 0.4501 ± 3.409e-07
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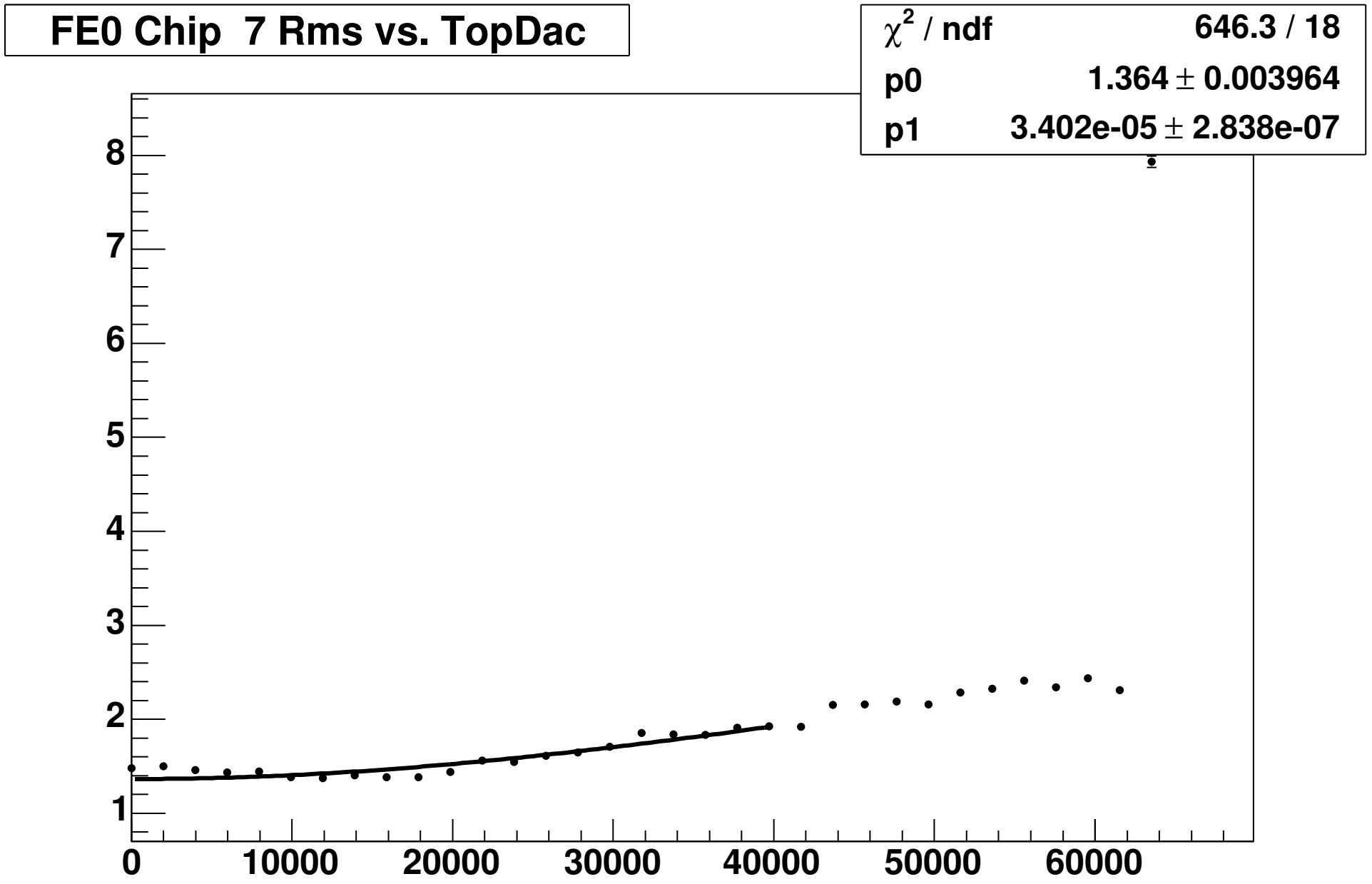
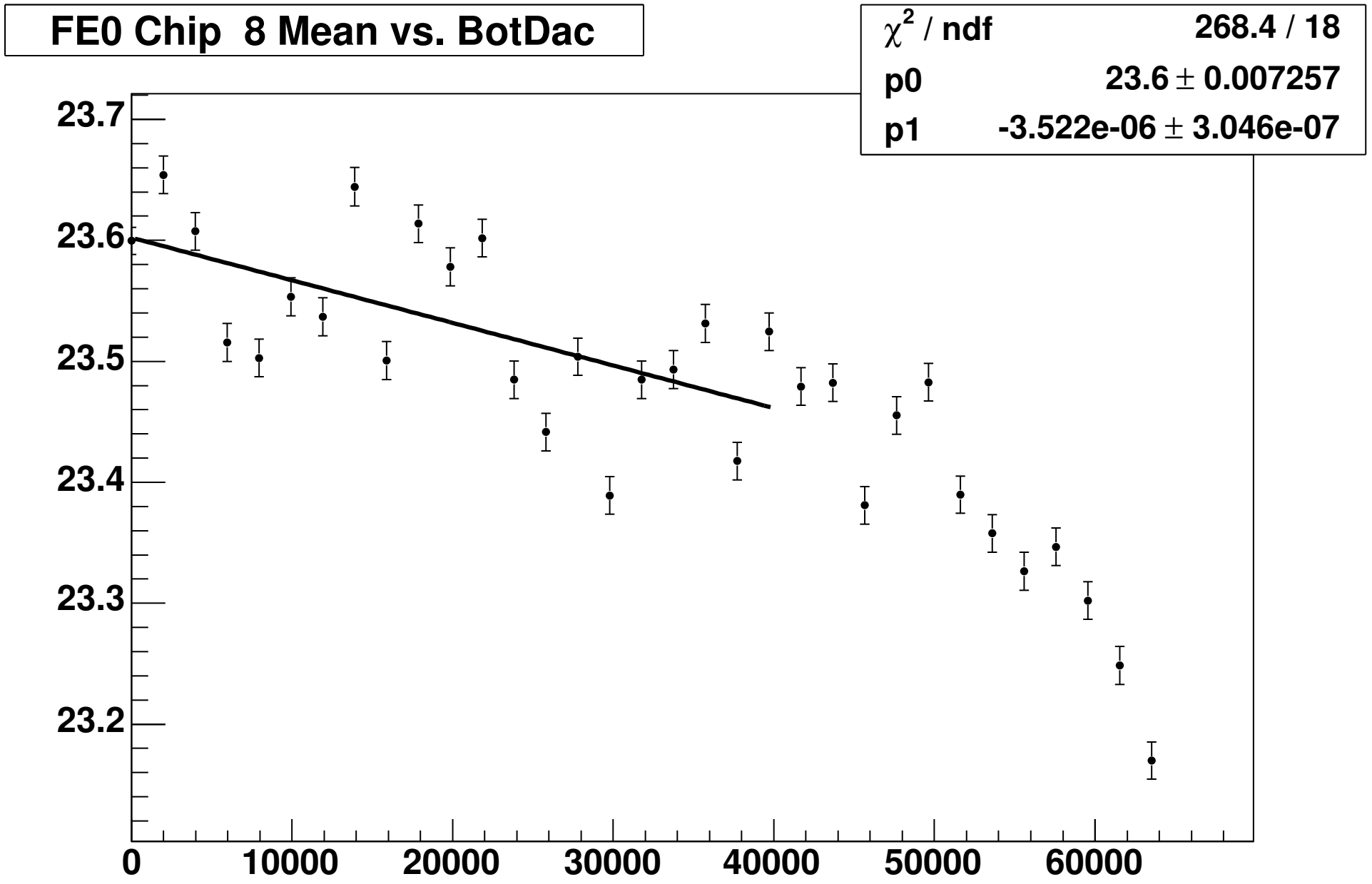
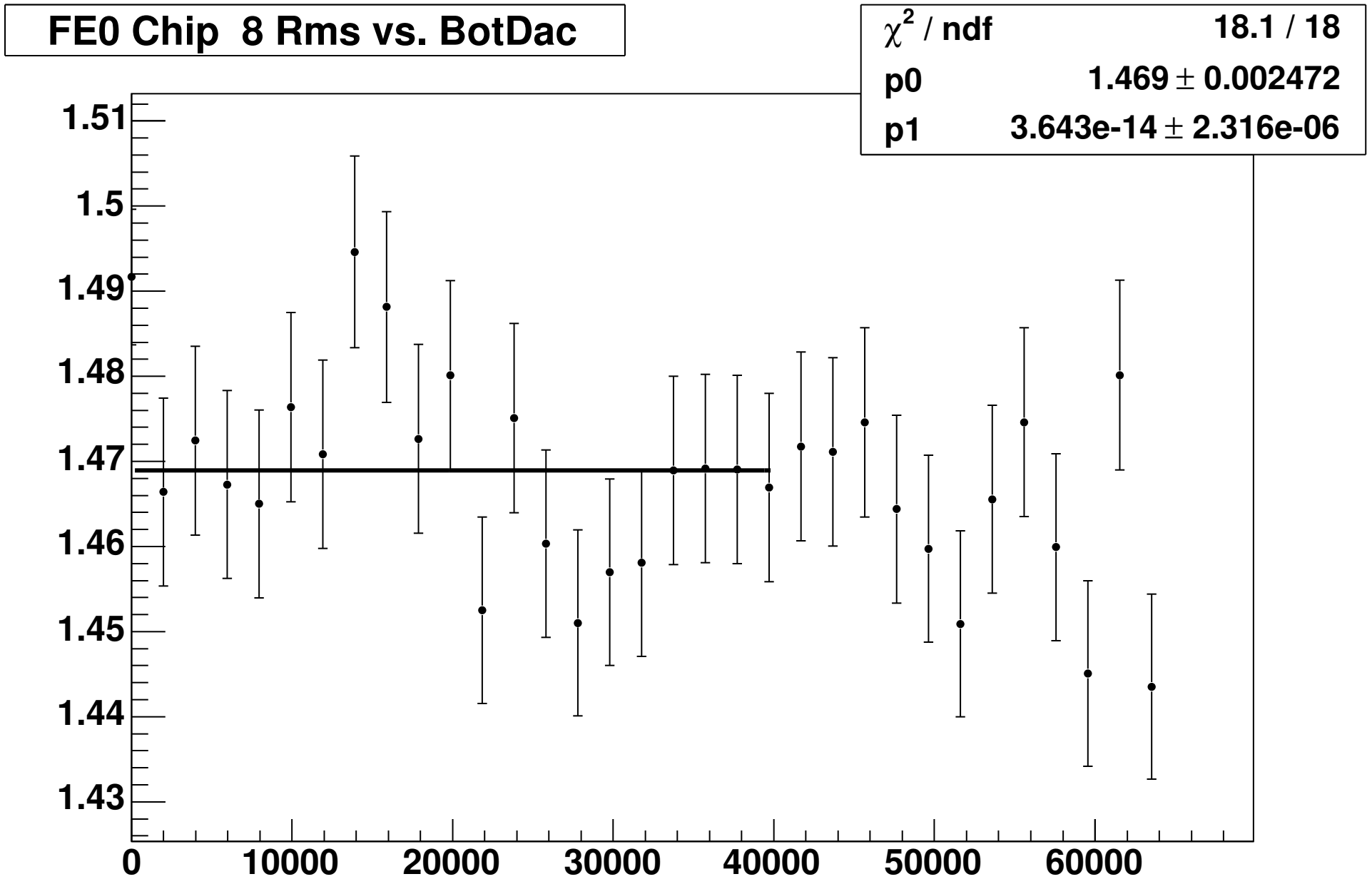
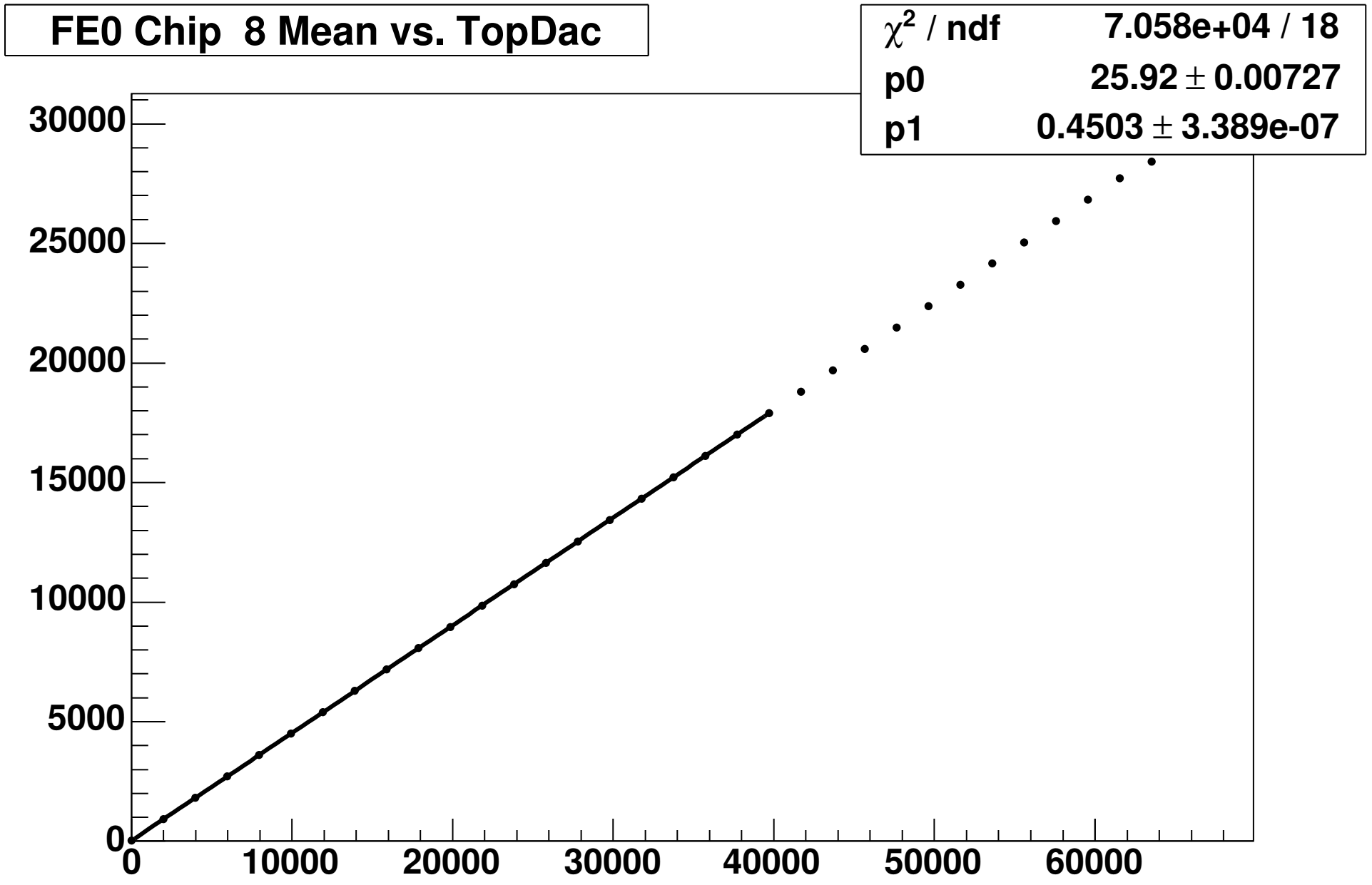
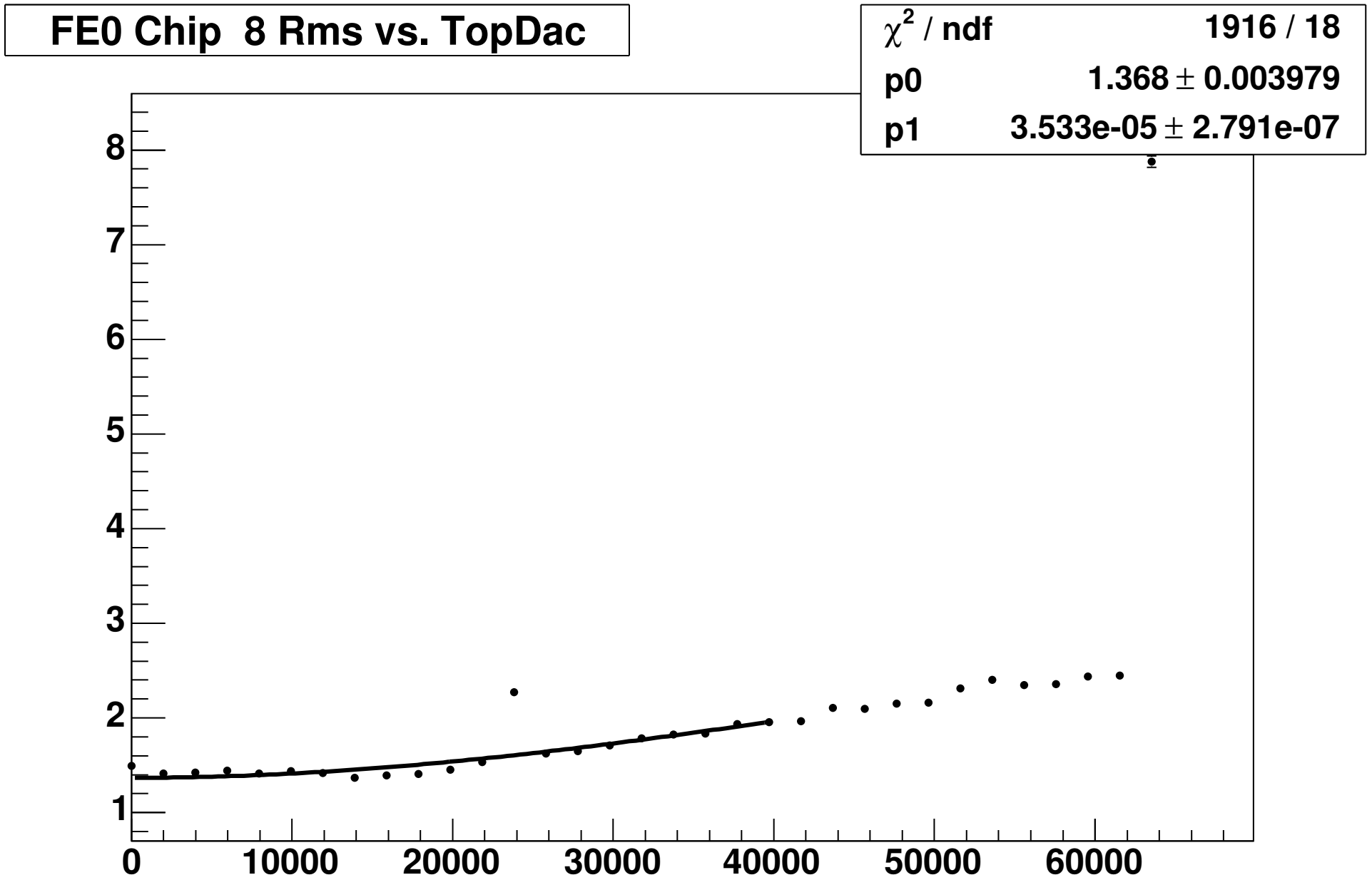
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 646.3 / 18
p0 1.364 ± 0.003964
p1 3.402e-05 ± 2.838e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 268.4 / 18
p0 23.6 ± 0.007257
p1 -3.522e-06 ± 3.046e-07
23.7
23.6
23.5
23.4
23.3
23.2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 18.1 / 18
p0 1.469 ± 0.002472
p1 3.643e-14 ± 2.316e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 7.058e+04 / 18
p0 25.92 ± 0.00727
p1 0.4503 ± 3.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 1916 / 18
p0 1.368 ± 0.003979
p1 3.533e-05 ± 2.791e-07
8
7
6
5
4
3
2
1
0
10000
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30000
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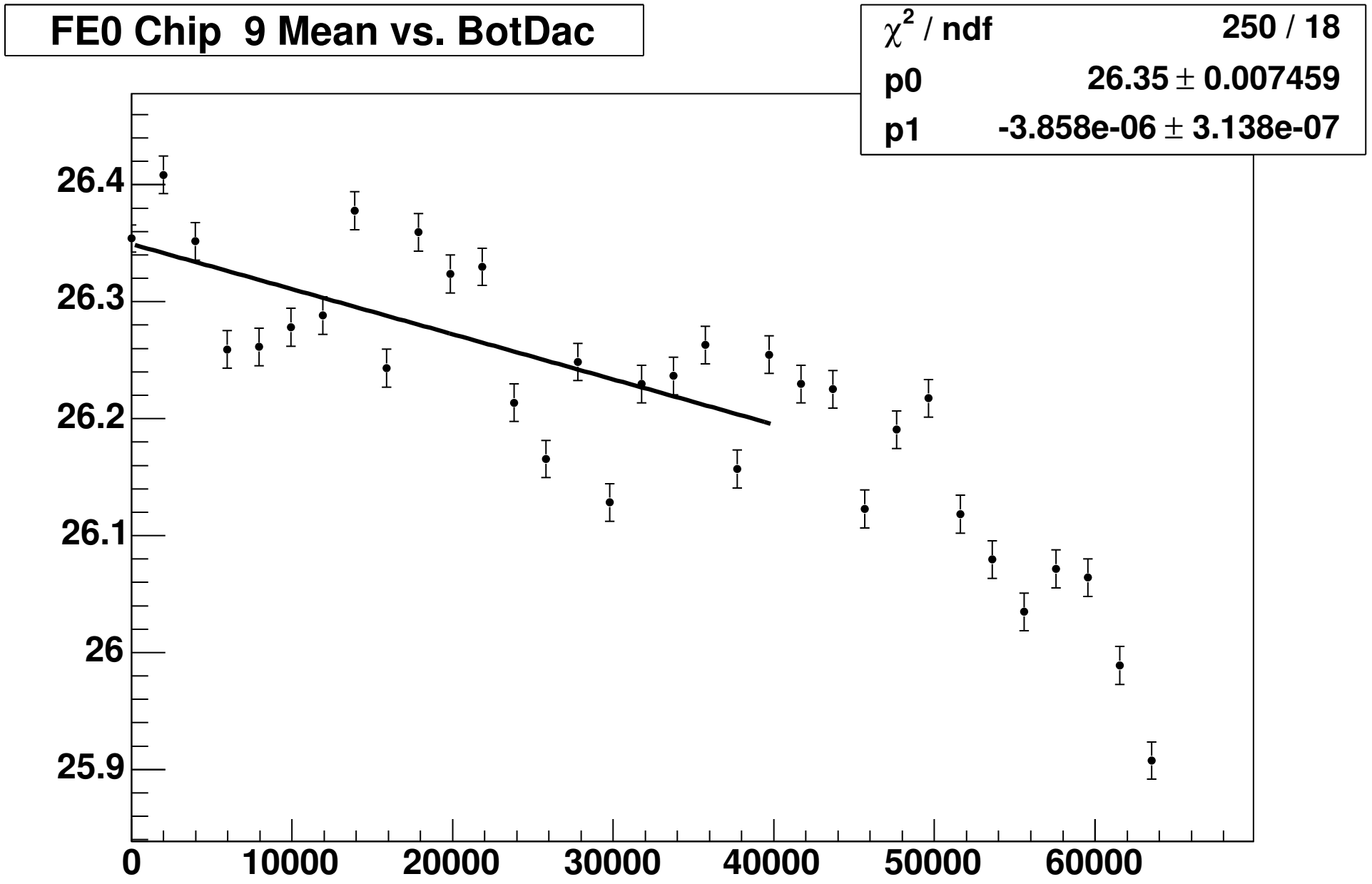
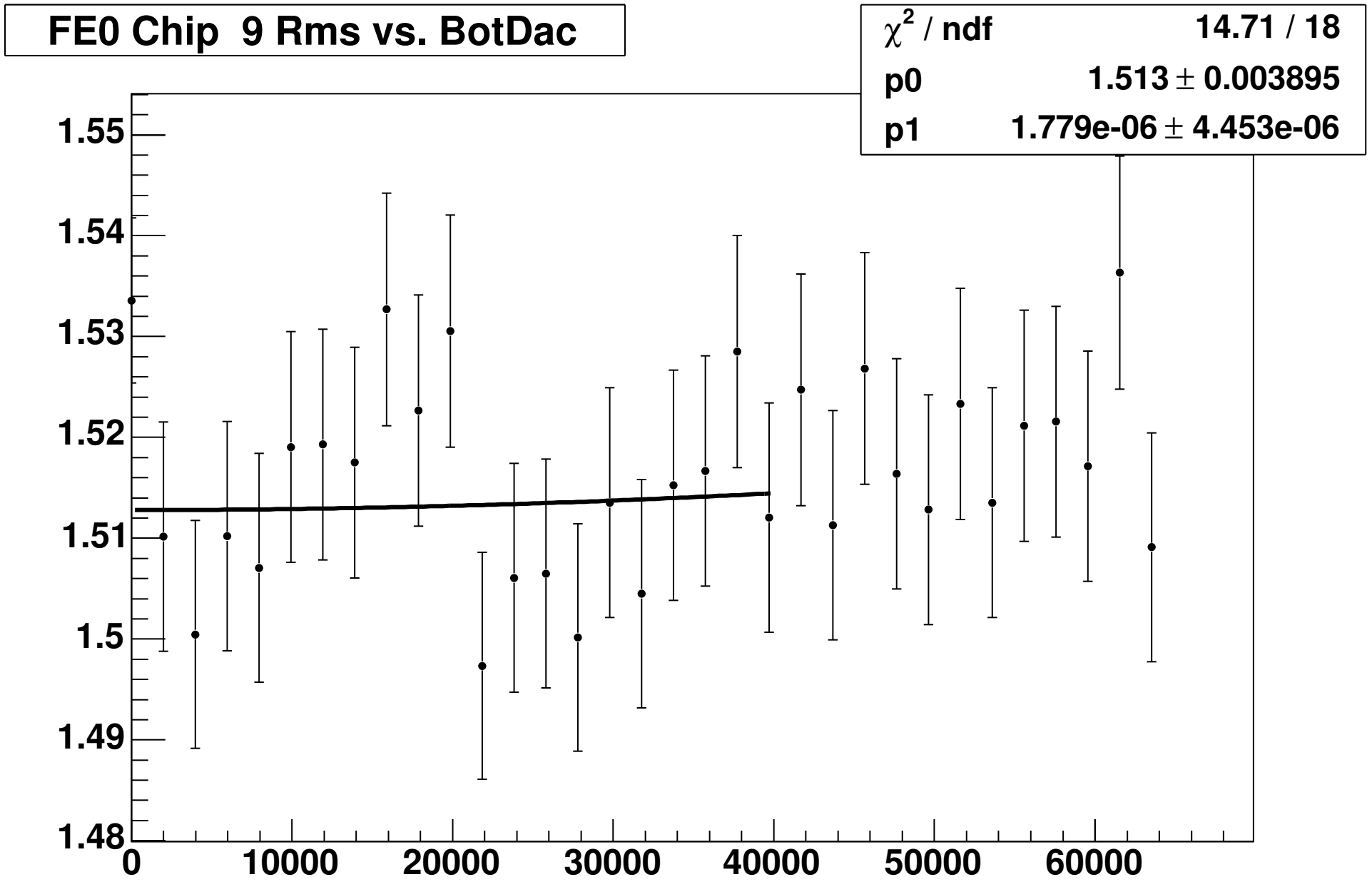
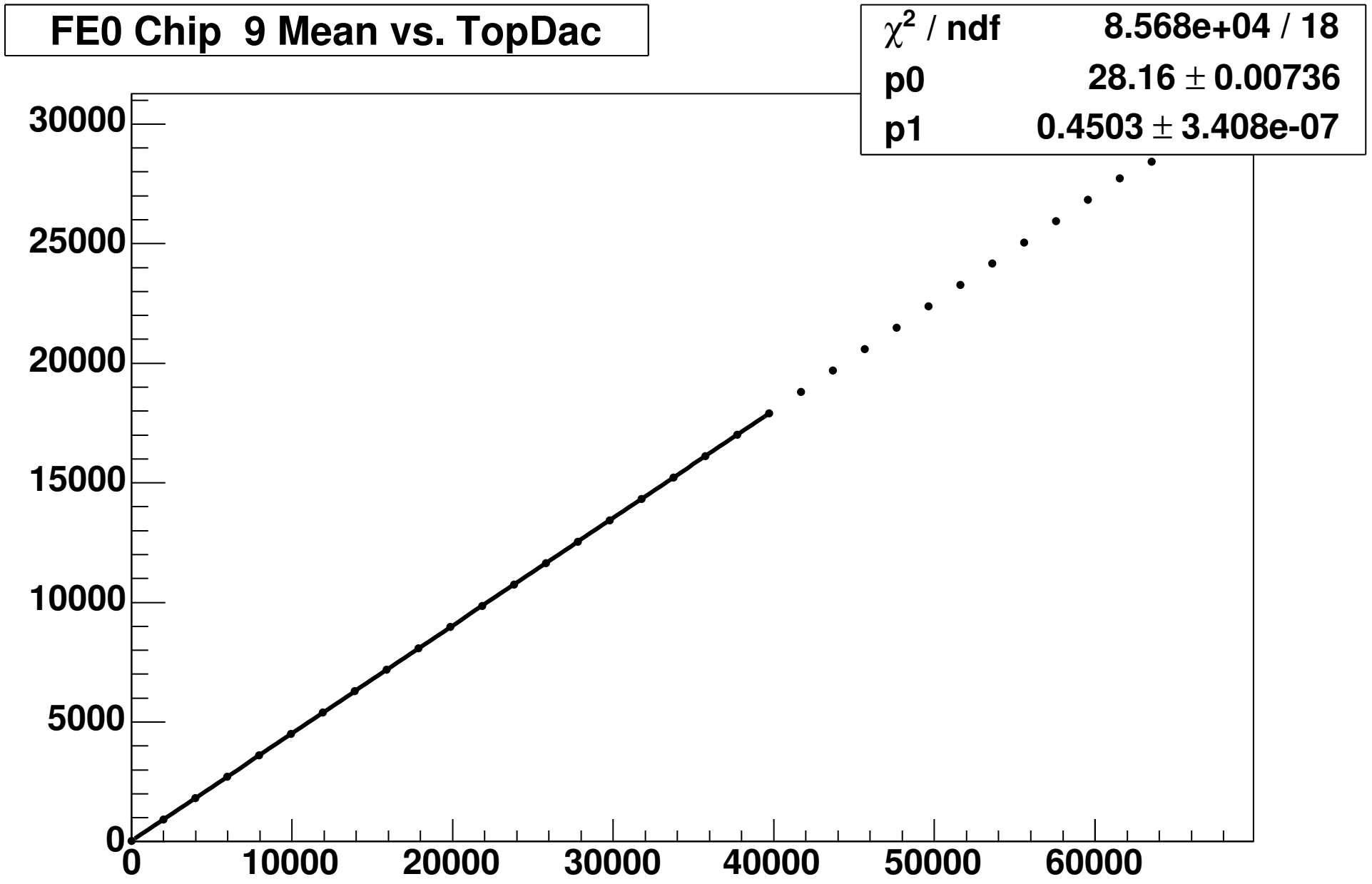
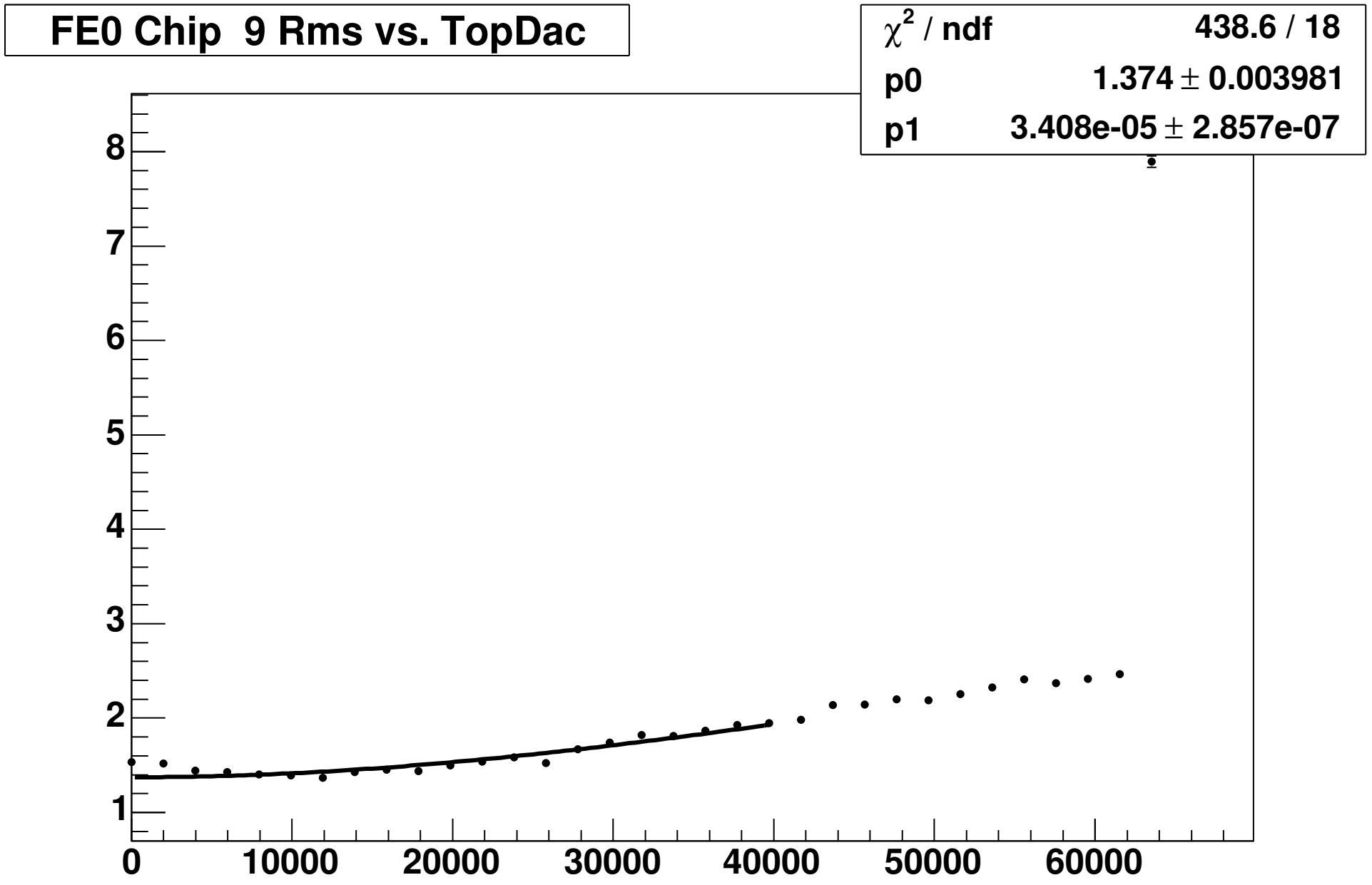
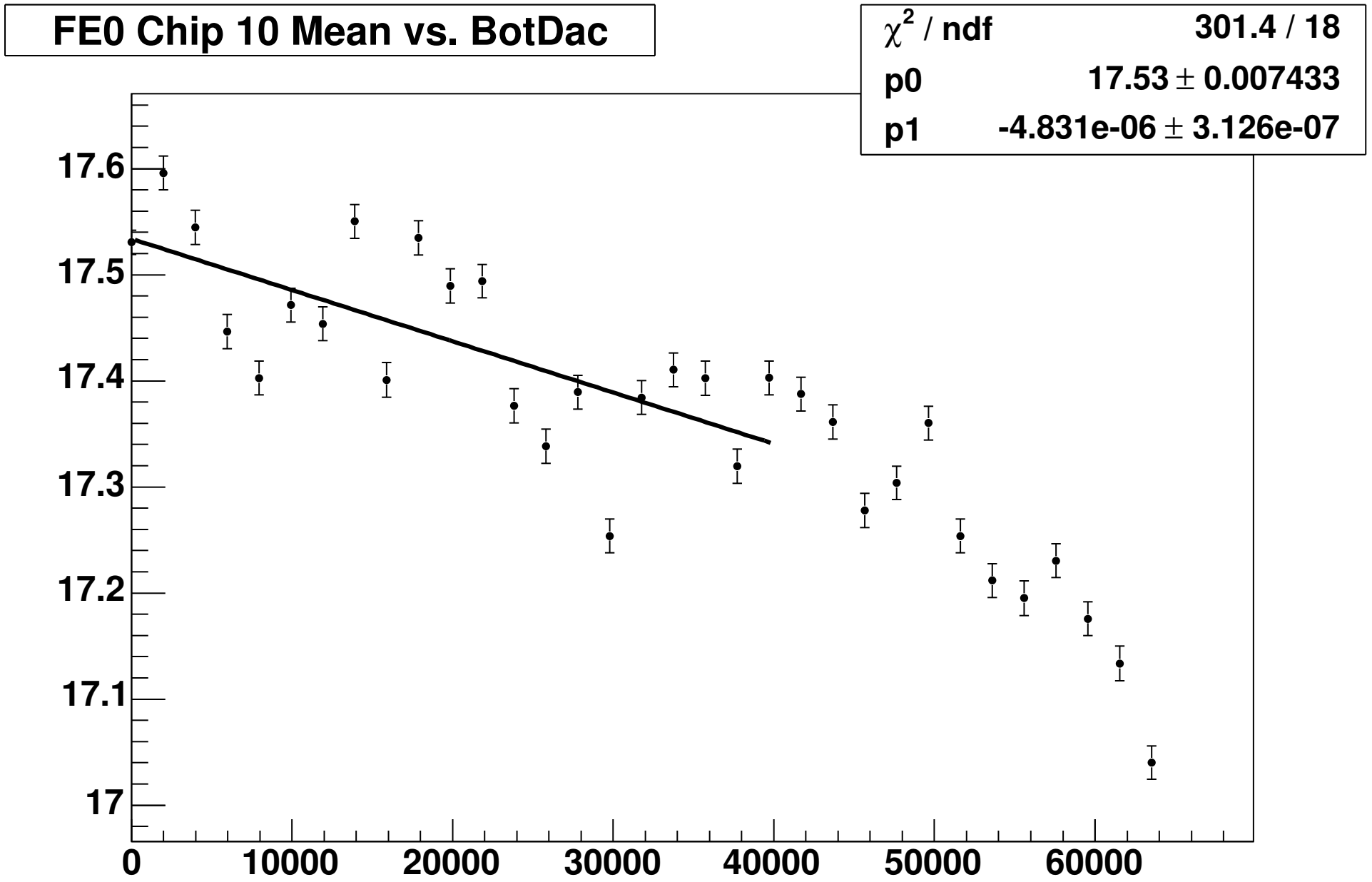
50000
60000

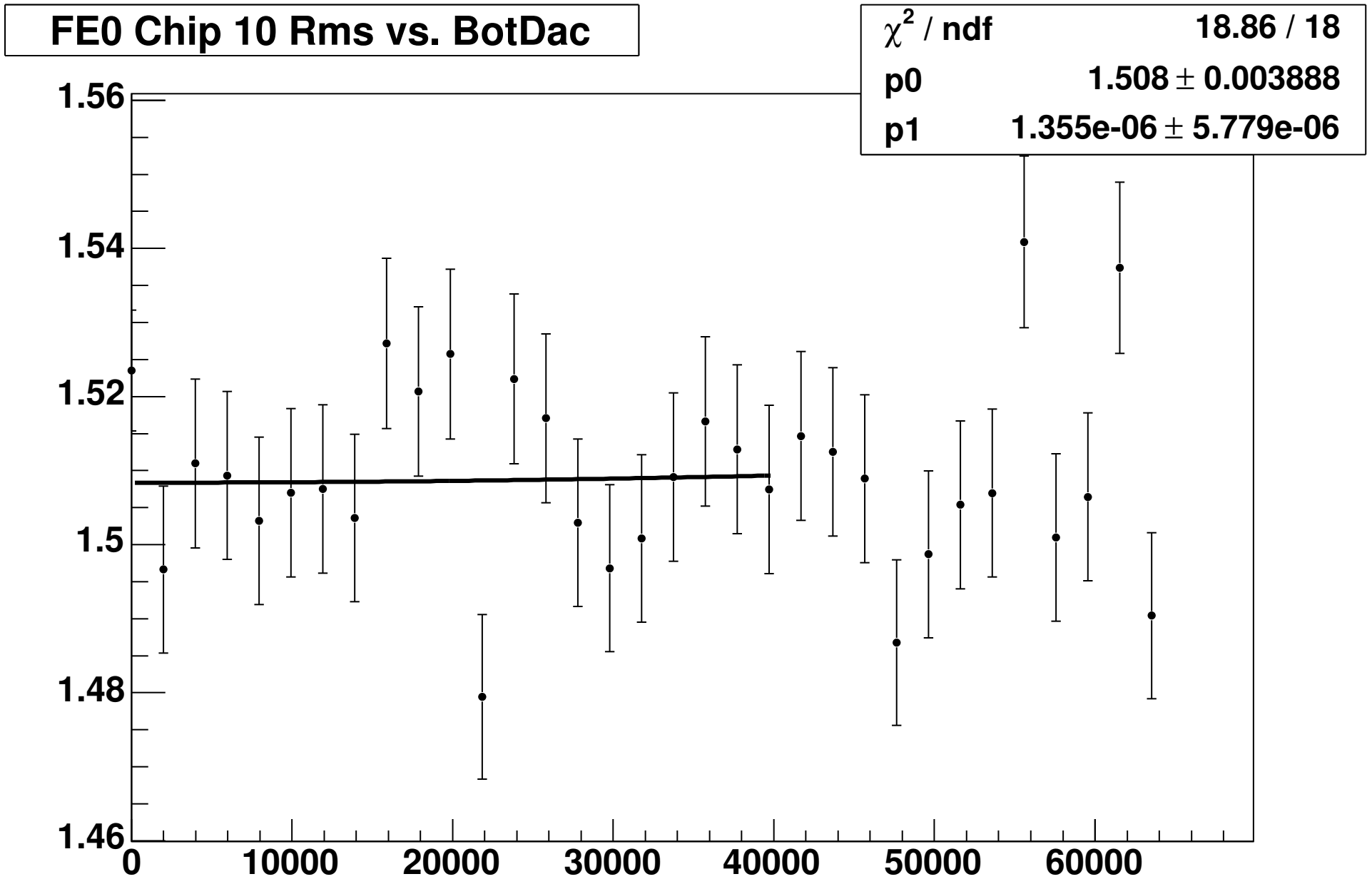

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 250 / 18
p0 26.35 ± 0.007459
p1 -3.858e-06 ± 3.138e-07
26.4
26.3
26.2
26.1
26
25.9
0
10000
20000
30000
40000
50000
60000

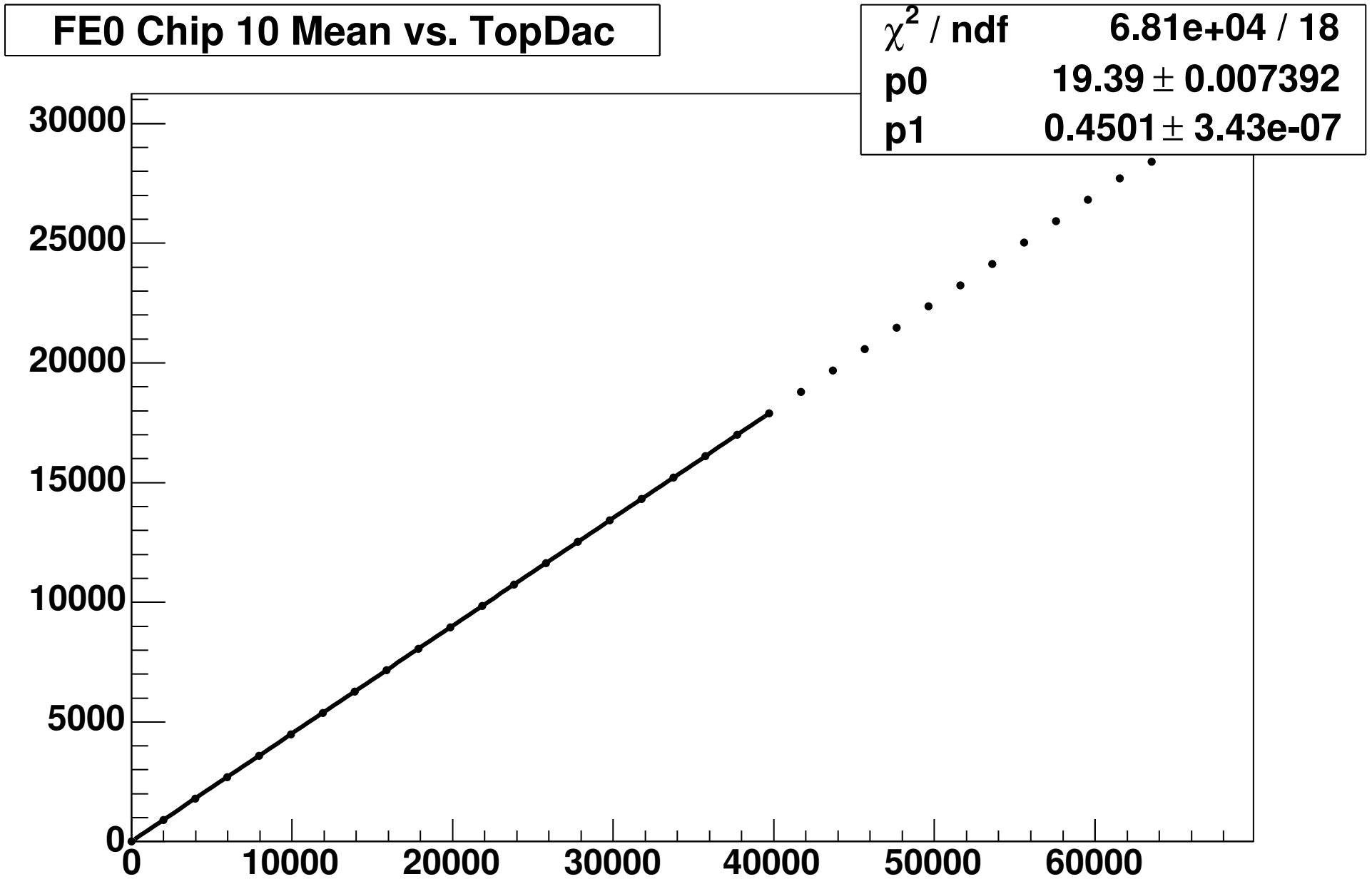

FE0 Chip 9 Rms vs. BotDac
χ² / ndf 14.71 / 18
p0 1.513 ± 0.003895
p1 1.779e-06 ± 4.453e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

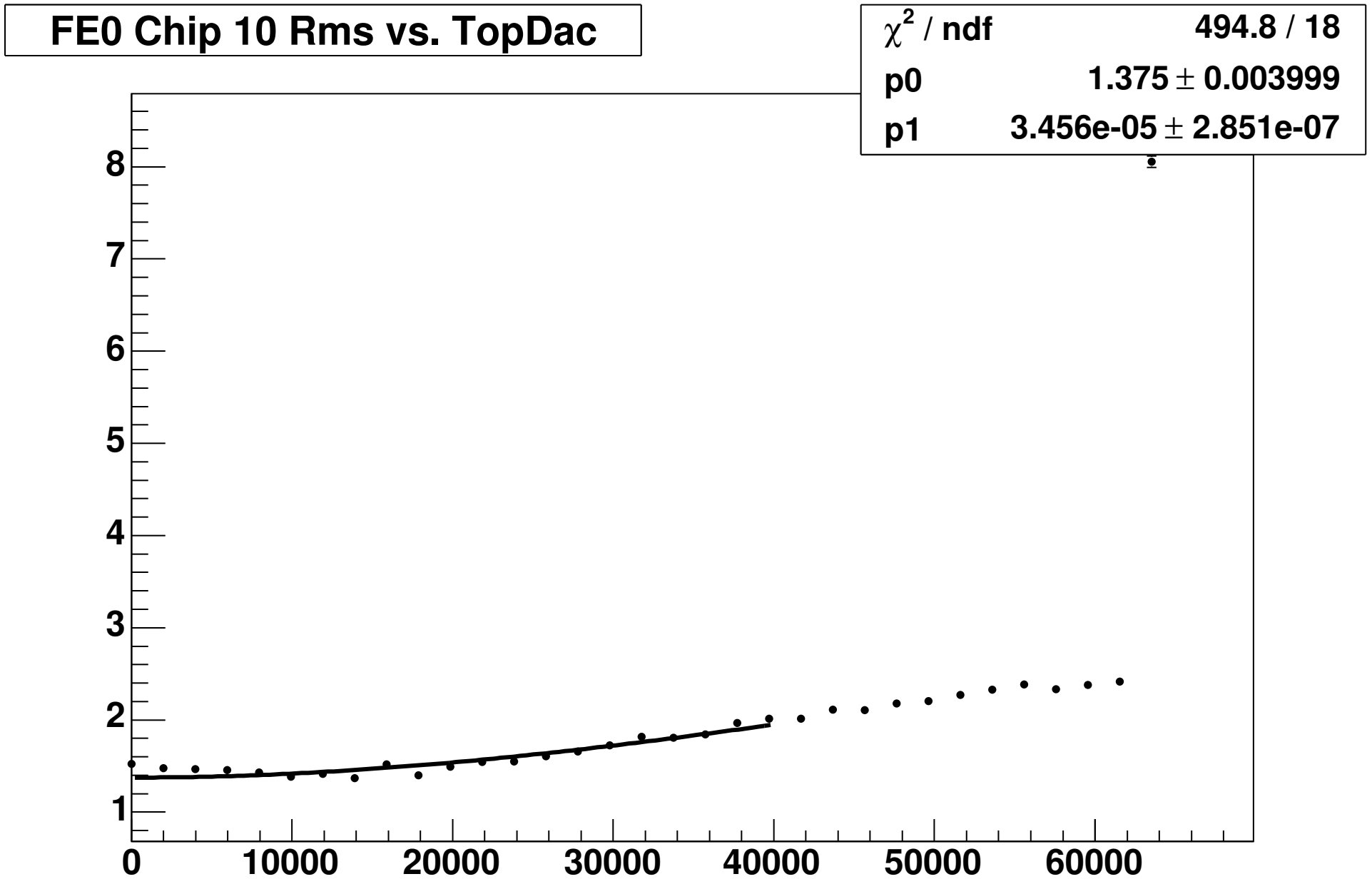

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 8.568e+04 / 18
p0 28.16 ± 0.00736
p1 0.4503 ± 3.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

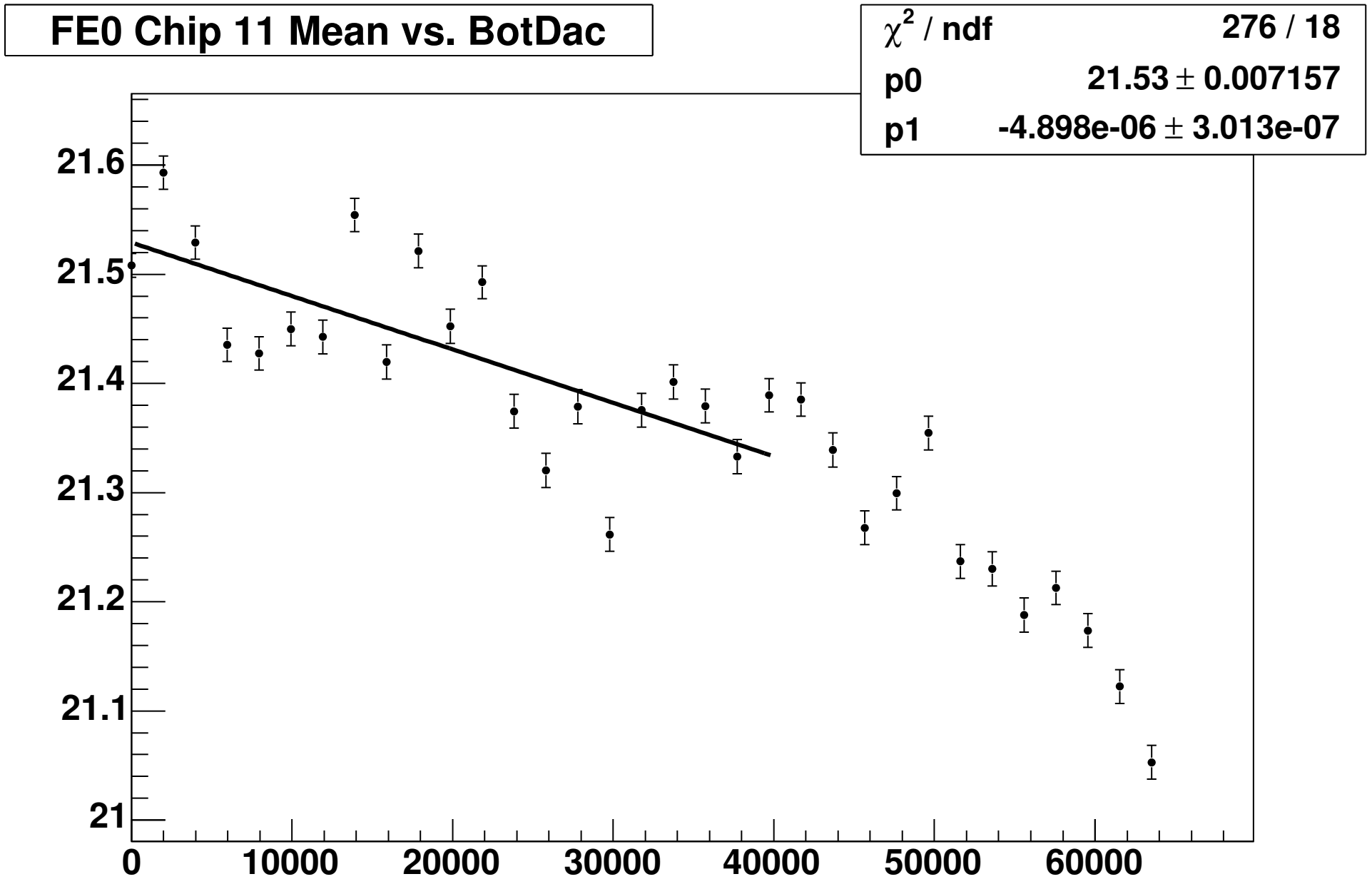

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 438.6 / 18
p0 1.374 ± 0.003981
p1 3.408e-05 ± 2.857e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

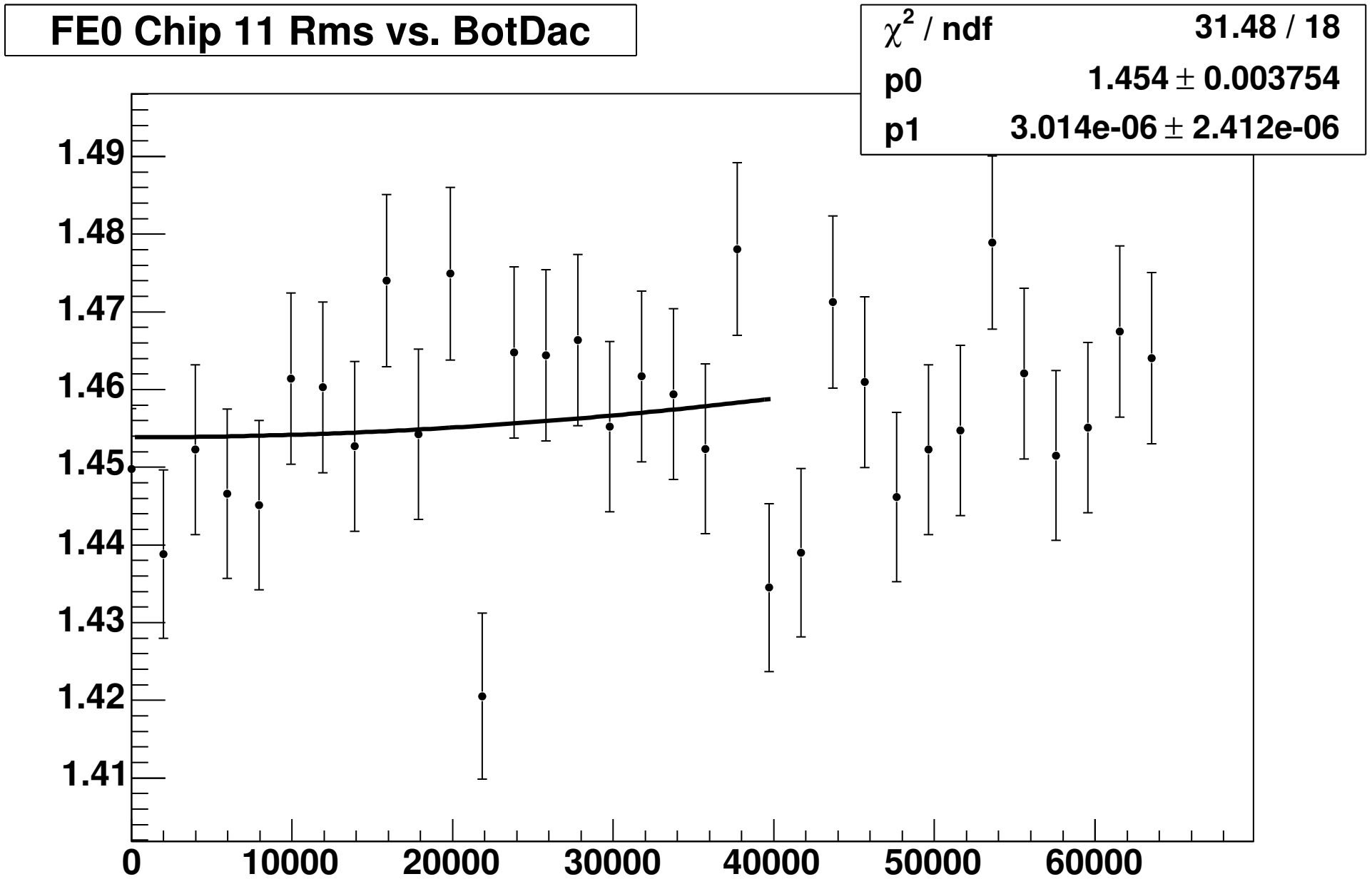

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 301.4 / 18
p0 17.53 ± 0.007433
p1 -4.831e-06 ± 3.126e-07
17.6
17.5
17.4
17.3
17.2
17.1
17
0
10000
20000
30000
40000
50000
60000

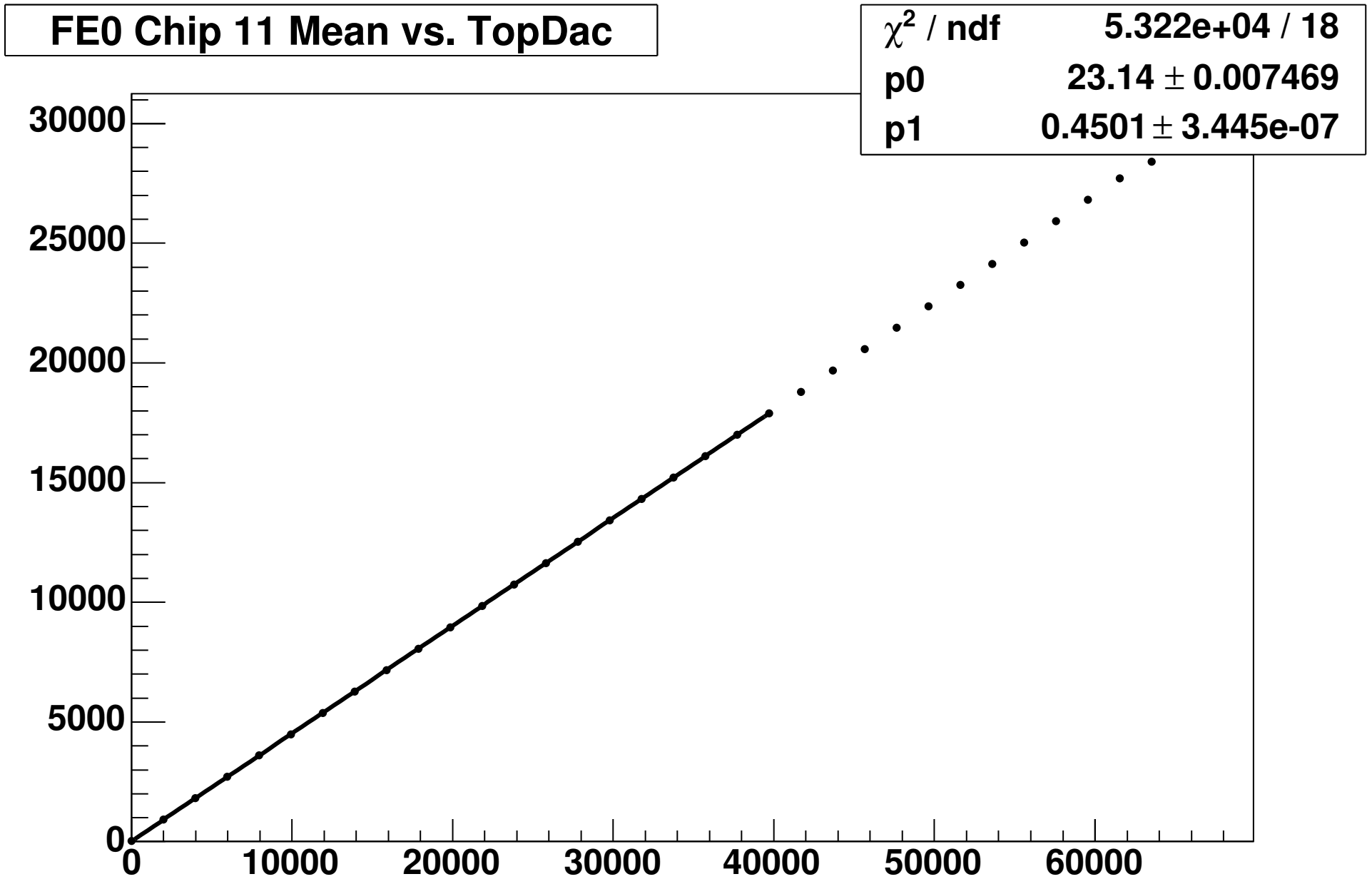

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 18.86 / 18
p0 1.508 ± 0.003888
p1 1.355e-06 ± 5.779e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

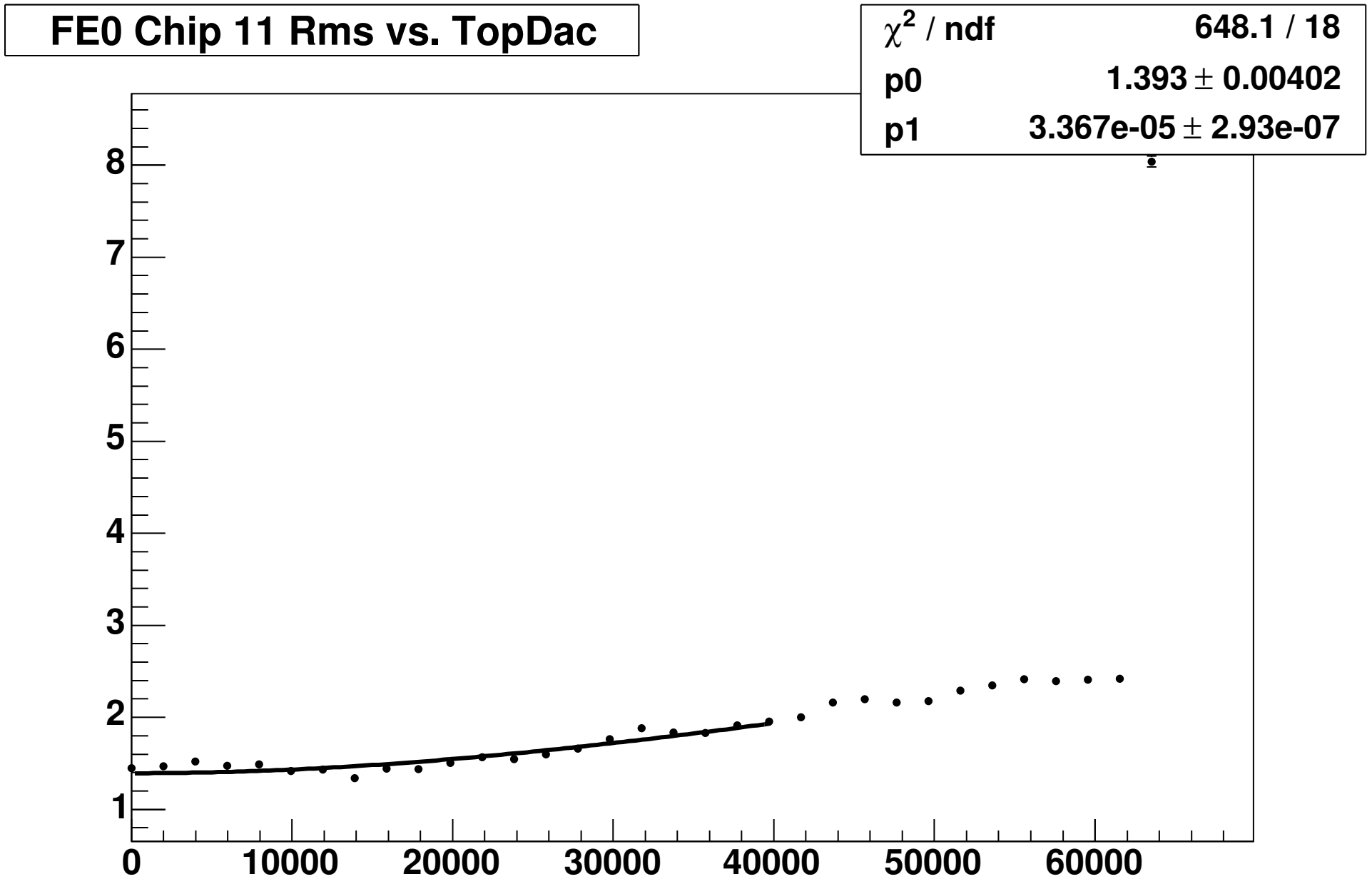

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 6.81e+04 / 18
p0 19.39 ± 0.007392
p1 0.4501 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

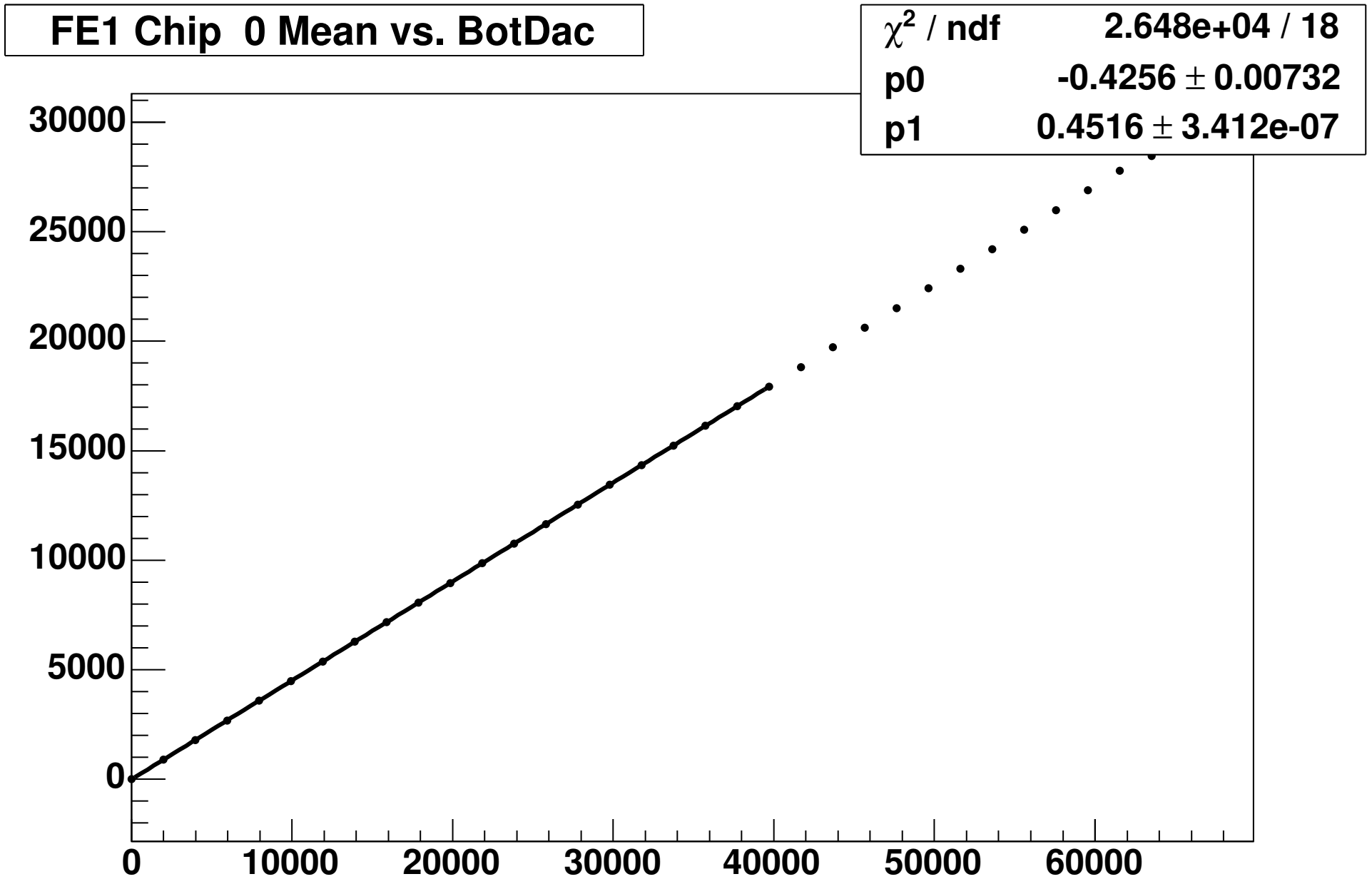

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 494.8 / 18
p0 1.375 ± 0.003999
p1 3.456e-05 ± 2.851e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 276 / 18
p0 21.53 ± 0.007157
p1 -4.898e-06 ± 3.013e-07
21.6
21.5
21.4
21.3
21.2
21.1
21
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 31.48 / 18
p0 1.454 ± 0.003754
p1 3.014e-06 ± 2.412e-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


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 5.322e+04 / 18
p0 23.14 ± 0.007469
p1 0.4501 ± 3.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 648.1 / 18
p0 1.393 ± 0.00402
p1 3.367e-05 ± 2.93e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 2.648e+04 / 18
p0 -0.4256 ± 0.00732
p1 0.4516 ± 3.412e-07
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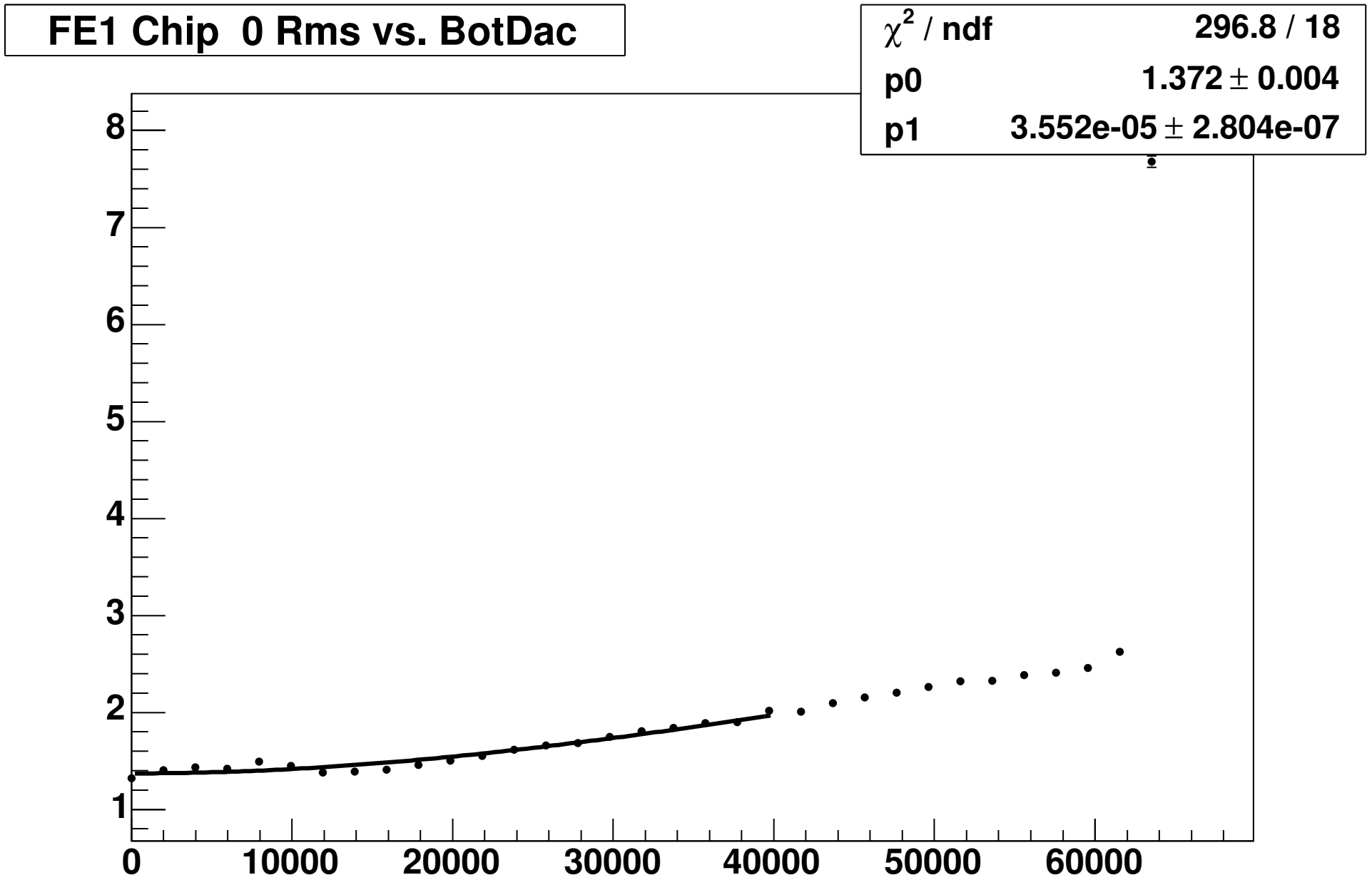
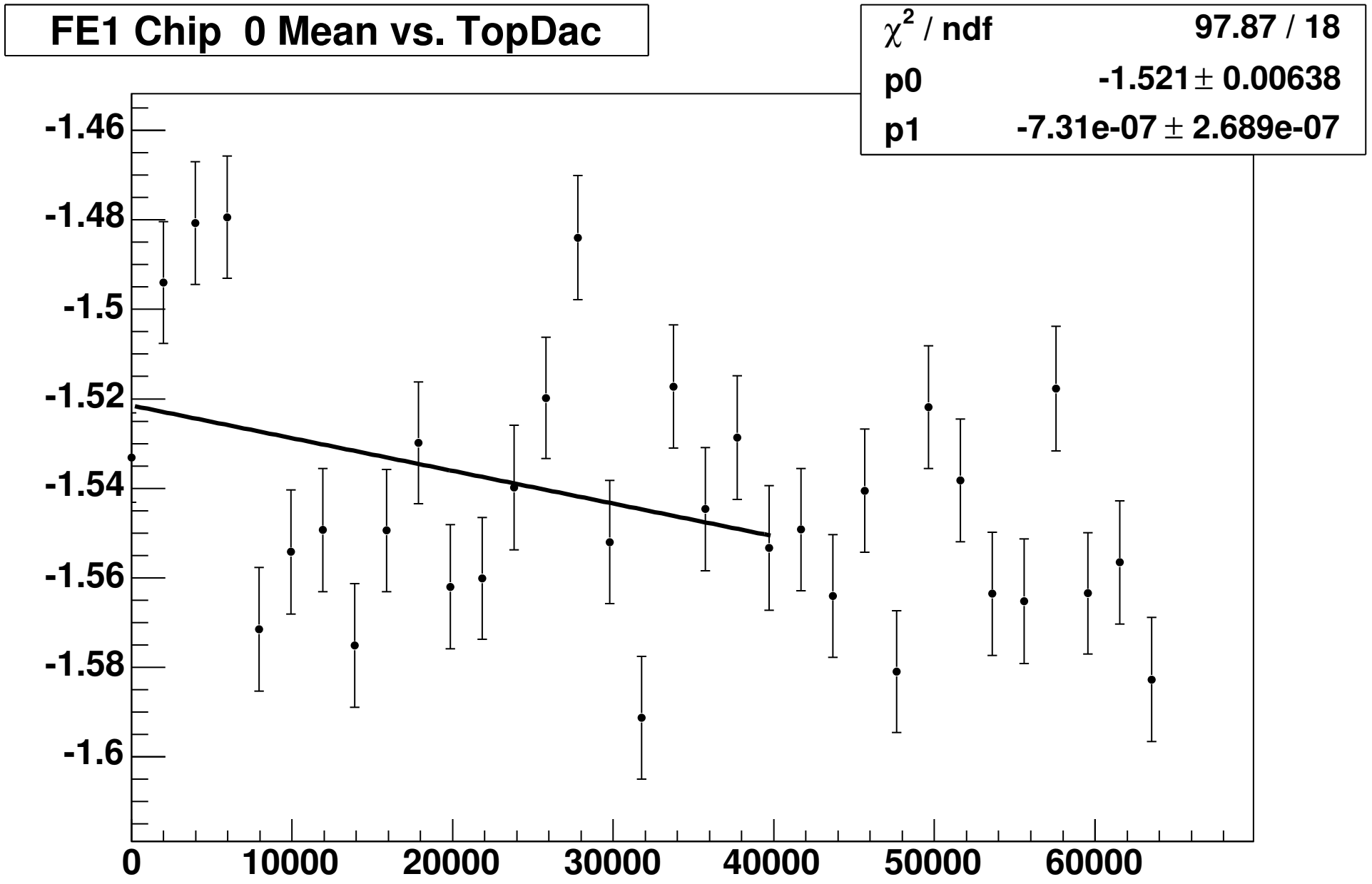
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 296.8 / 18
p0 1.372 ± 0.004
p1 3.552e-05 ± 2.804e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 97.87 / 18
p0 -1.521 ± 0.00638
p1 -7.31e-07 ± 2.689e-07
-1.46
-1.48
-1.5
-1.52
-1.54
-1.56
-1.58
-1.6
0
10000
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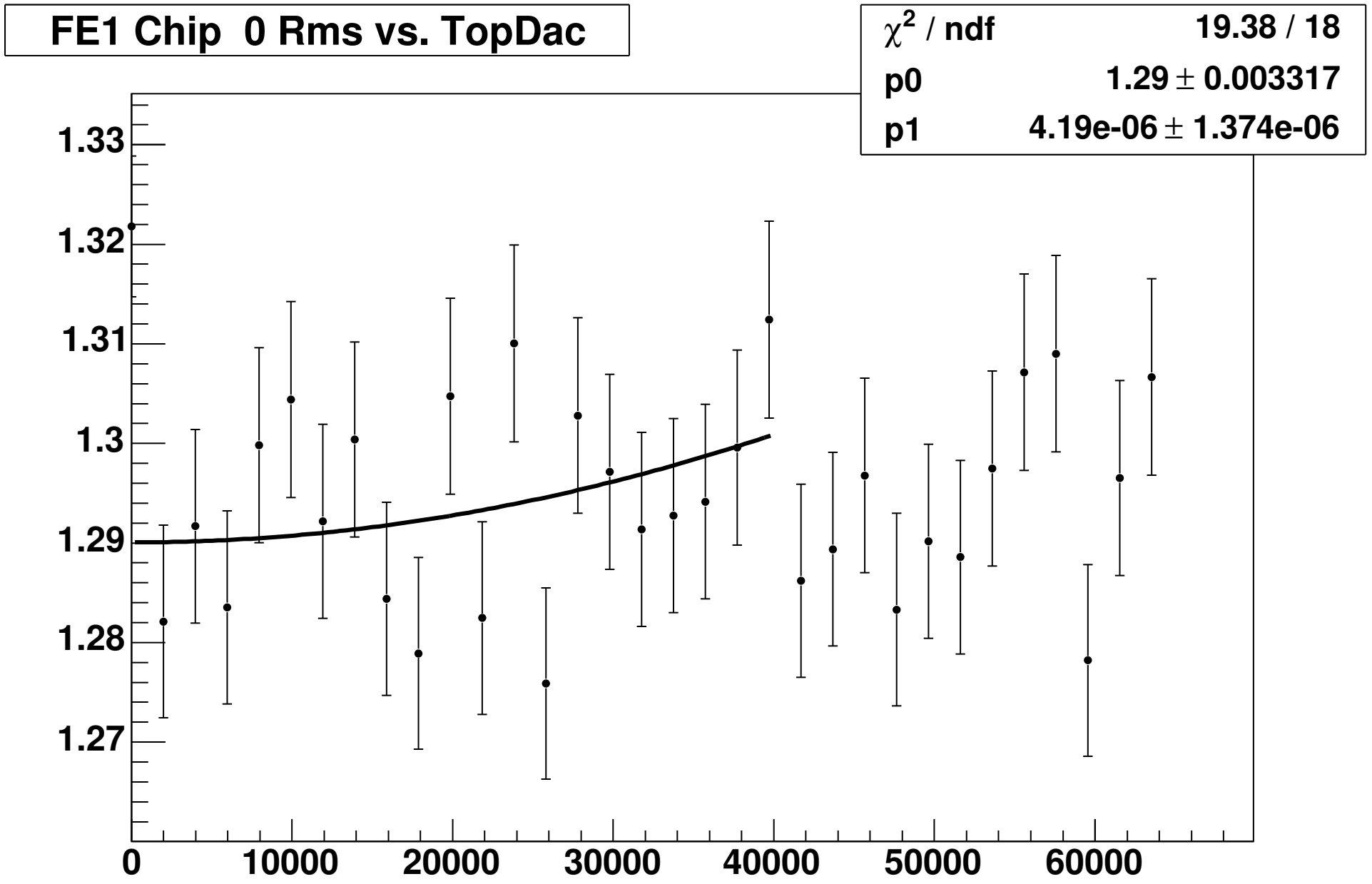
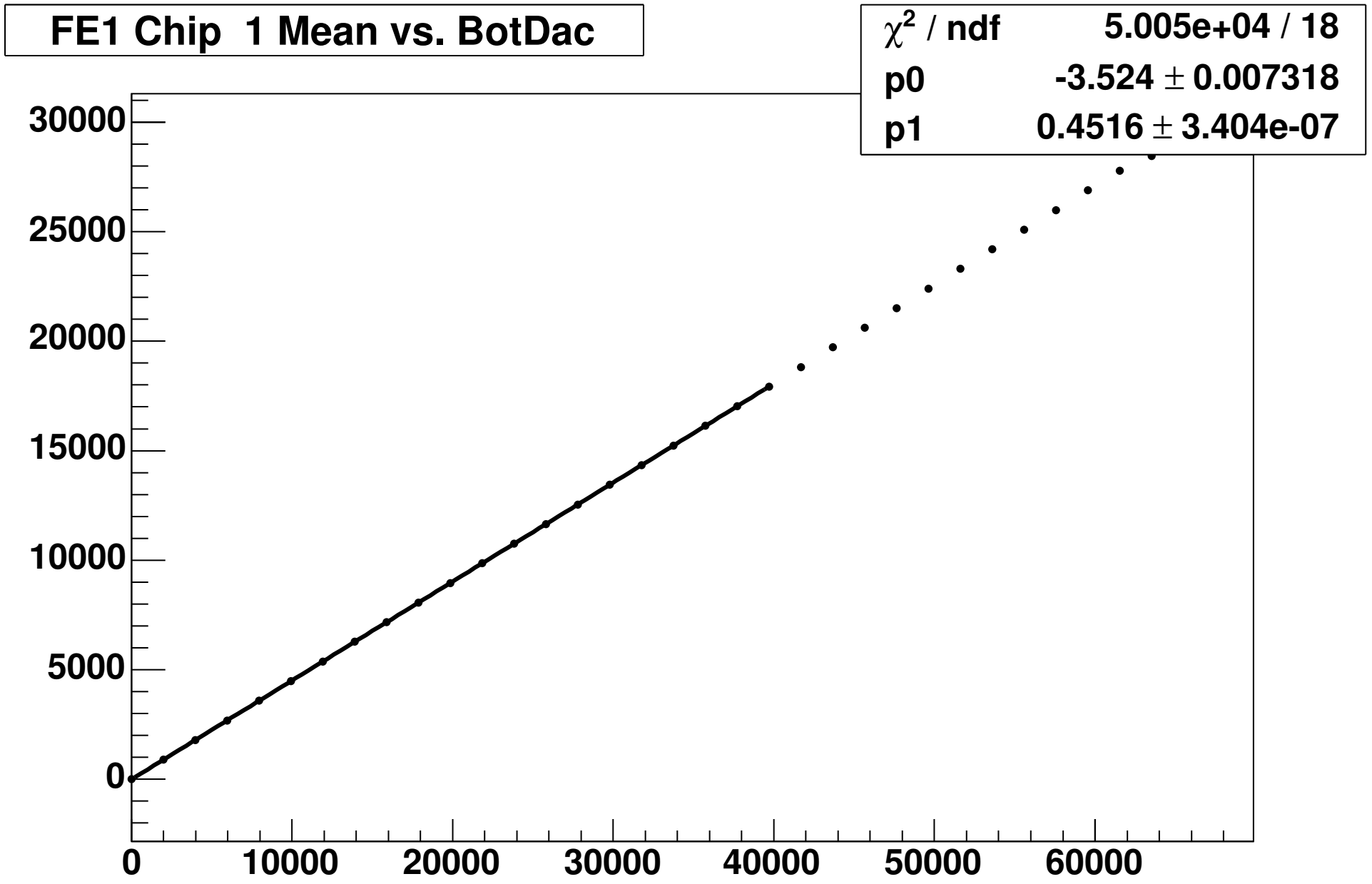
30000
40000
50000
60000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 19.38 / 18
p0 1.29 ± 0.003317
p1 4.19e-06 ± 1.374e-06
1.33
1.32
1.31
1.3
1.29
1.28
1.27
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 5.005e+04 / 18
p0 -3.524 ± 0.007318
p1 0.4516 ± 3.404e-07
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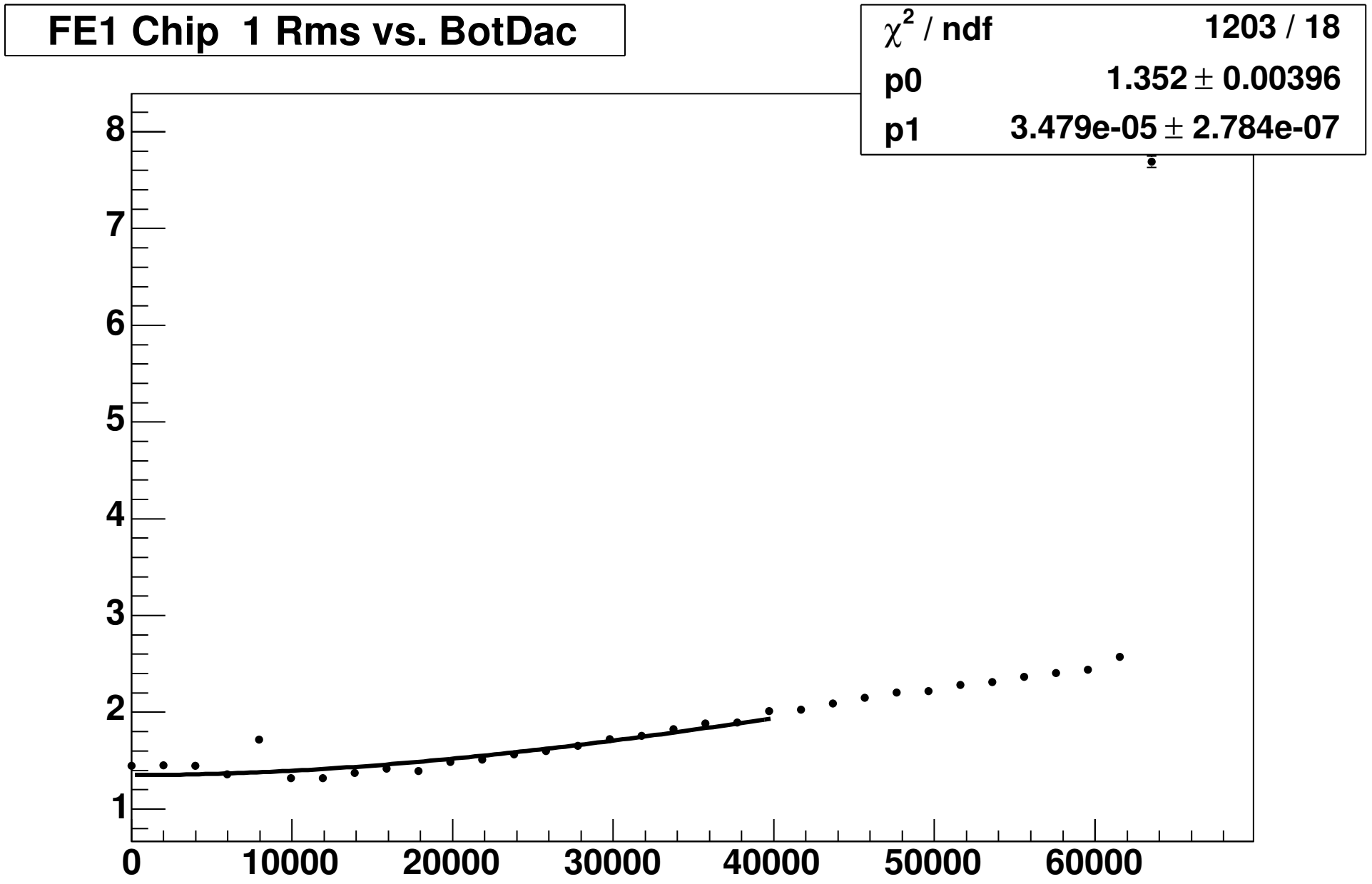
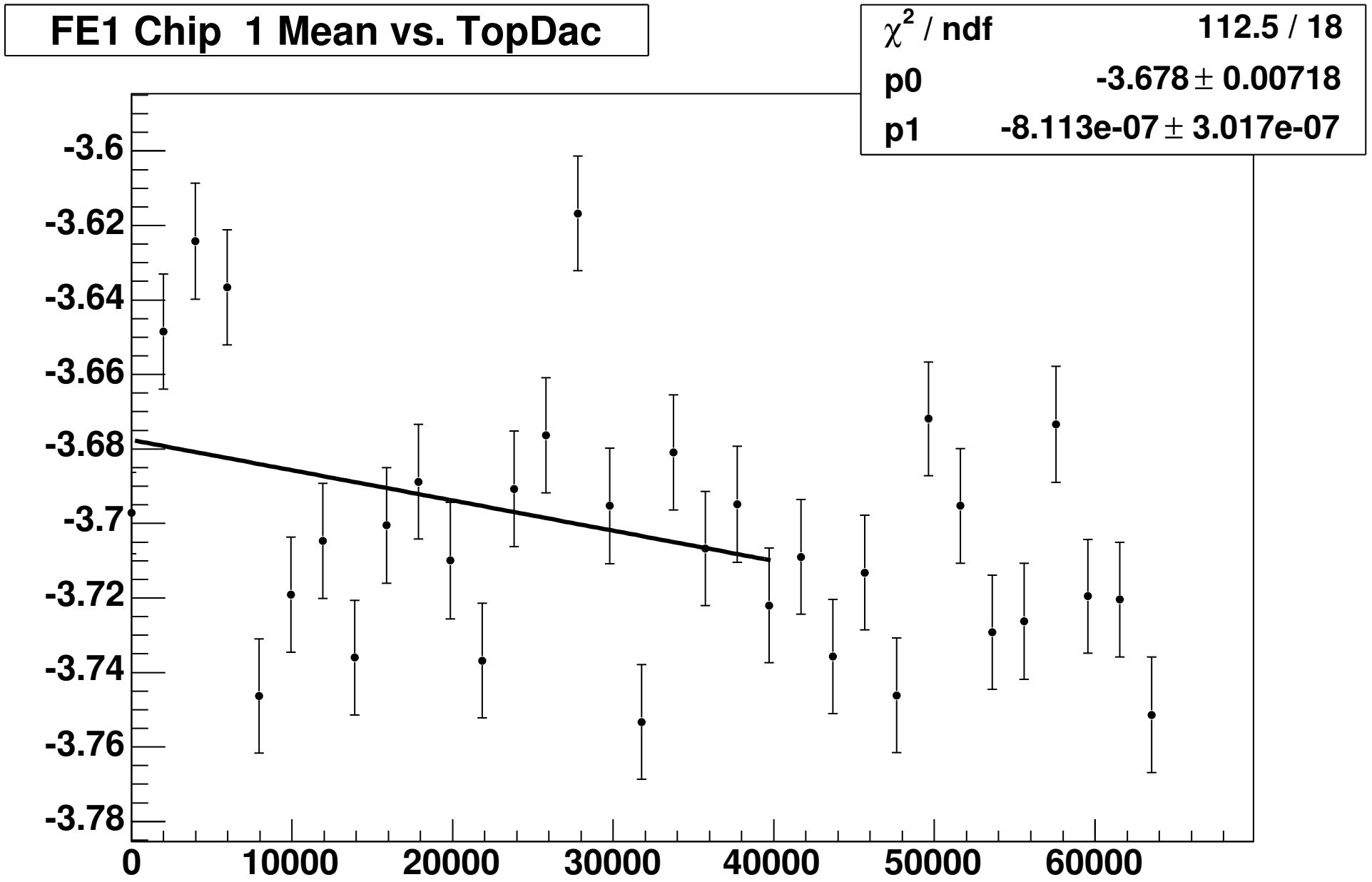
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 1203 / 18
p0 1.352 ± 0.00396
p1 3.479e-05 ± 2.784e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 112.5 / 18
p0 -3.678 ± 0.00718
p1 -8.113e-07 ± 3.017e-07
-3.6
-3.62
-3.64
-3.66
-3.68
-3.7
-3.72
-3.74
-3.76
-3.78
0
10000
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30000
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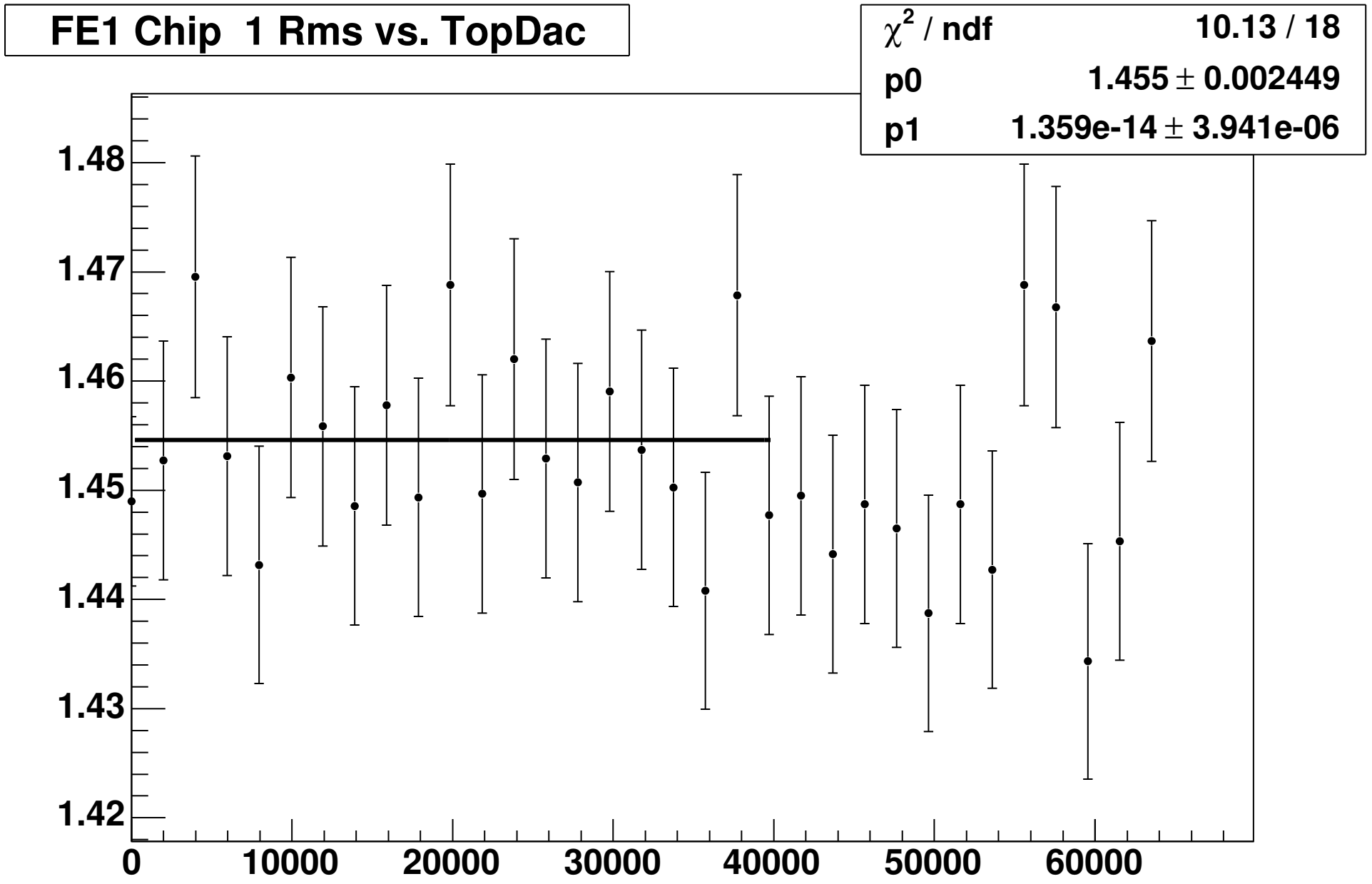
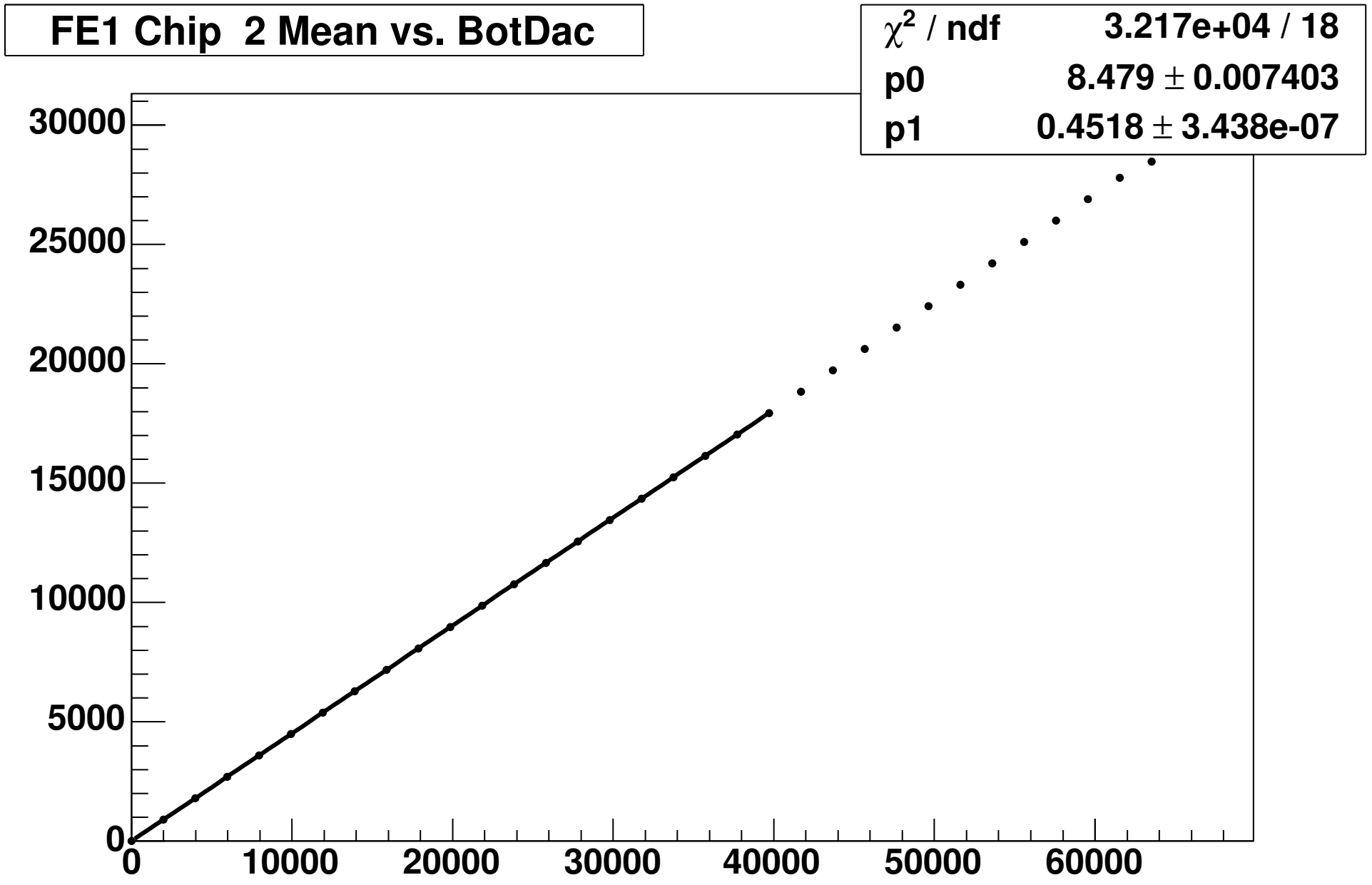
60000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 10.13 / 18
p0 1.455 ± 0.002449
p1 1.359e-14 ± 3.941e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 3.217e+04 / 18
p0 8.479 ± 0.007403
p1 0.4518 ± 3.438e-07
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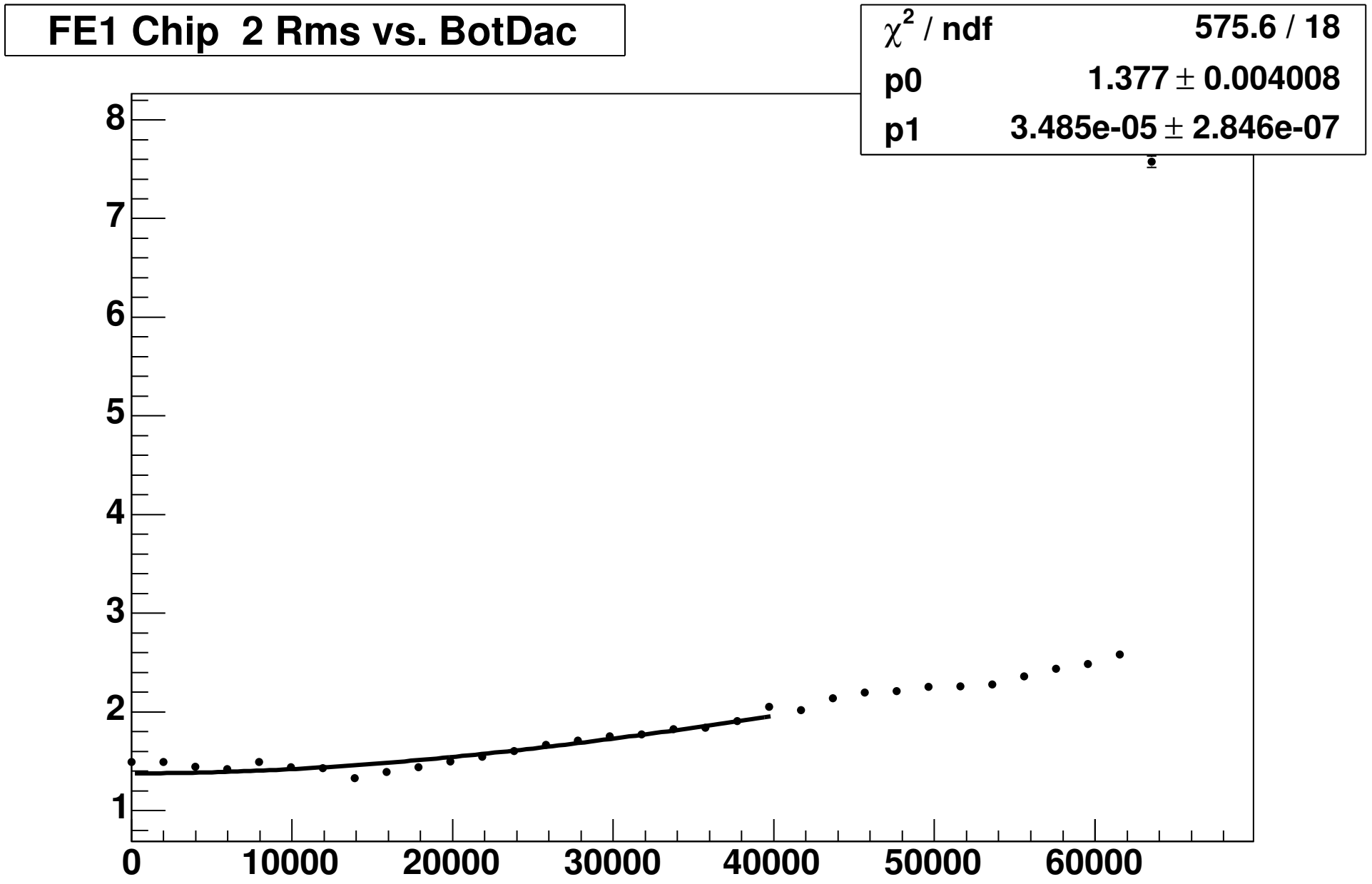
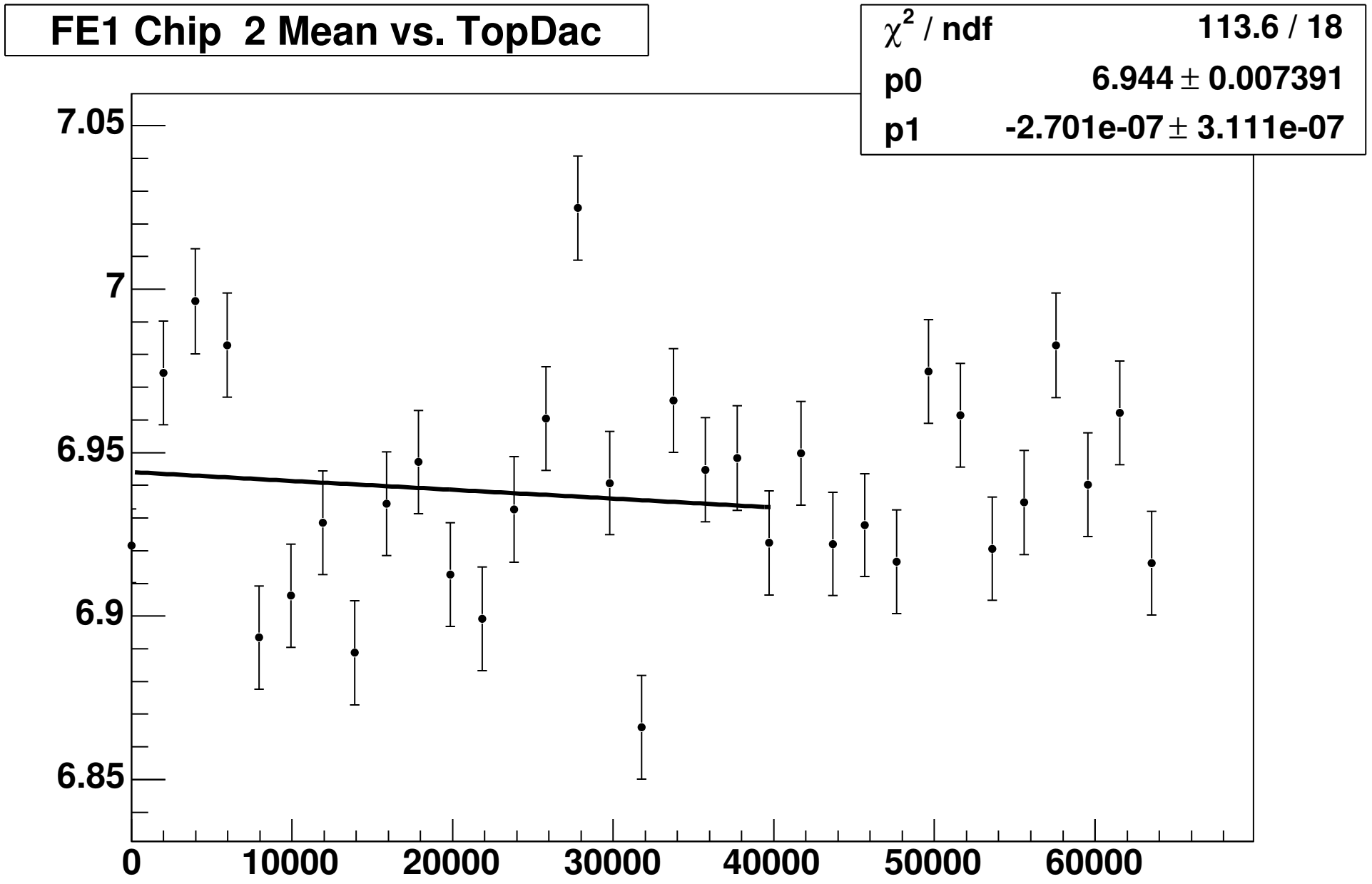
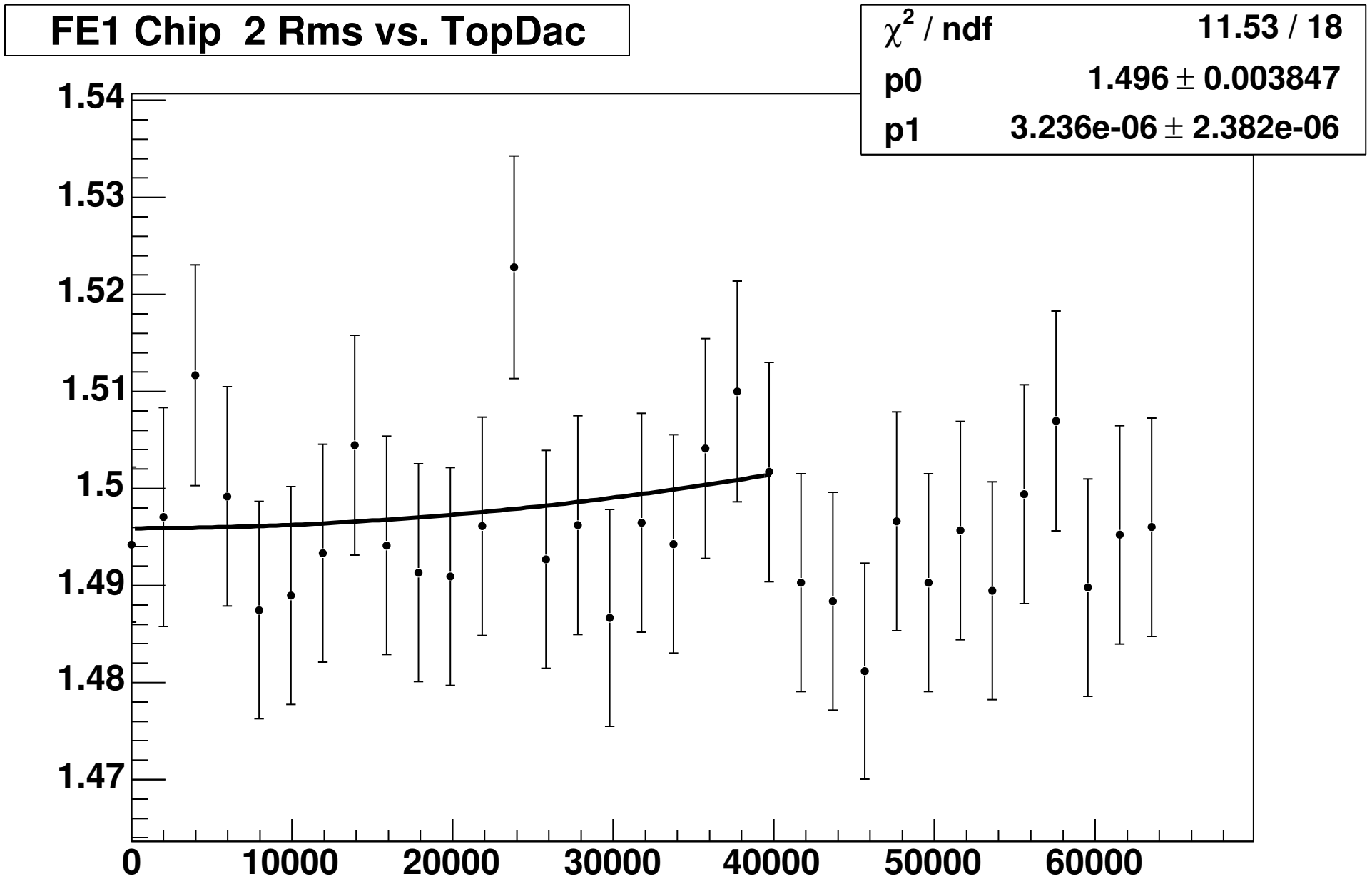
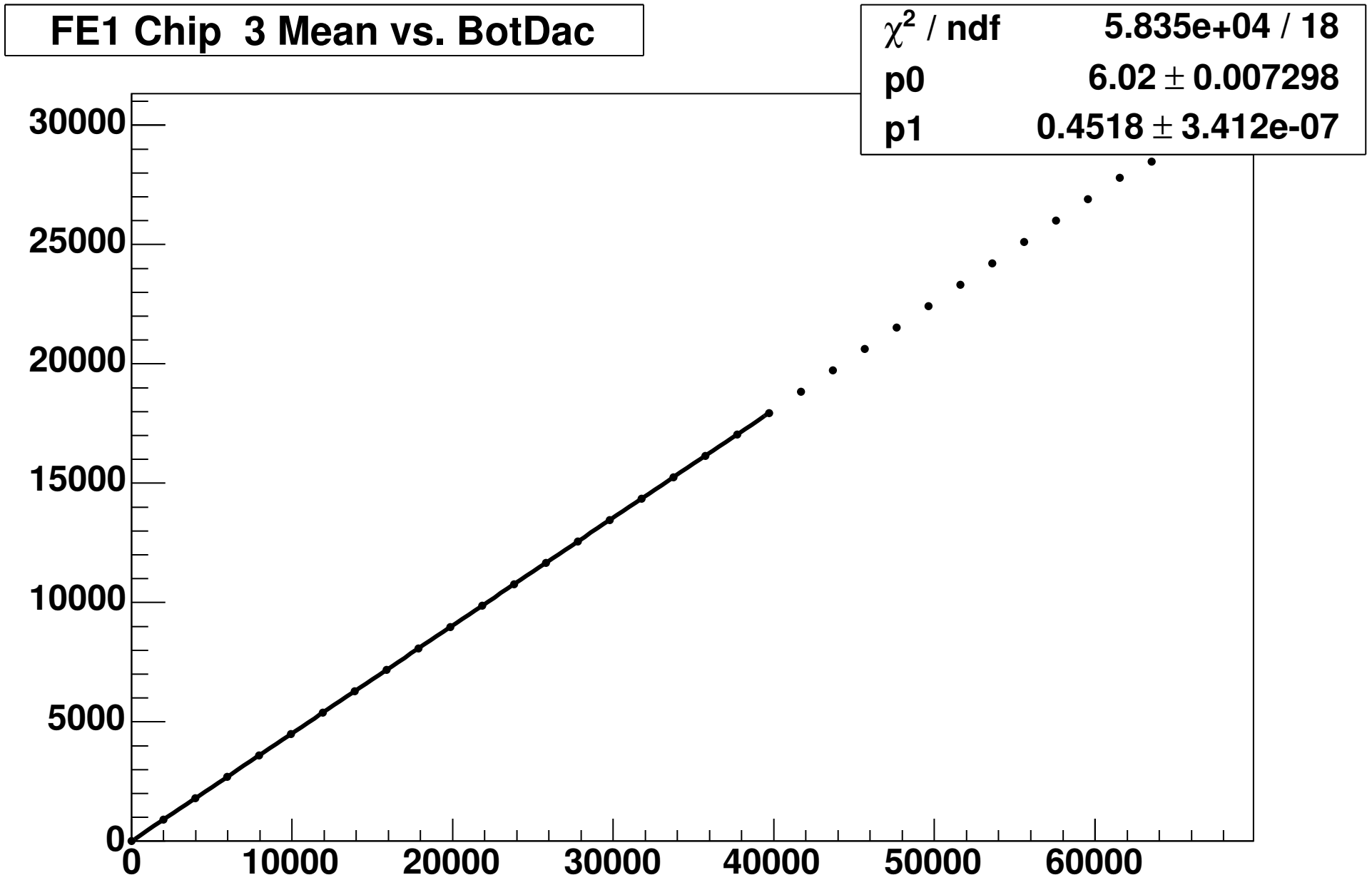
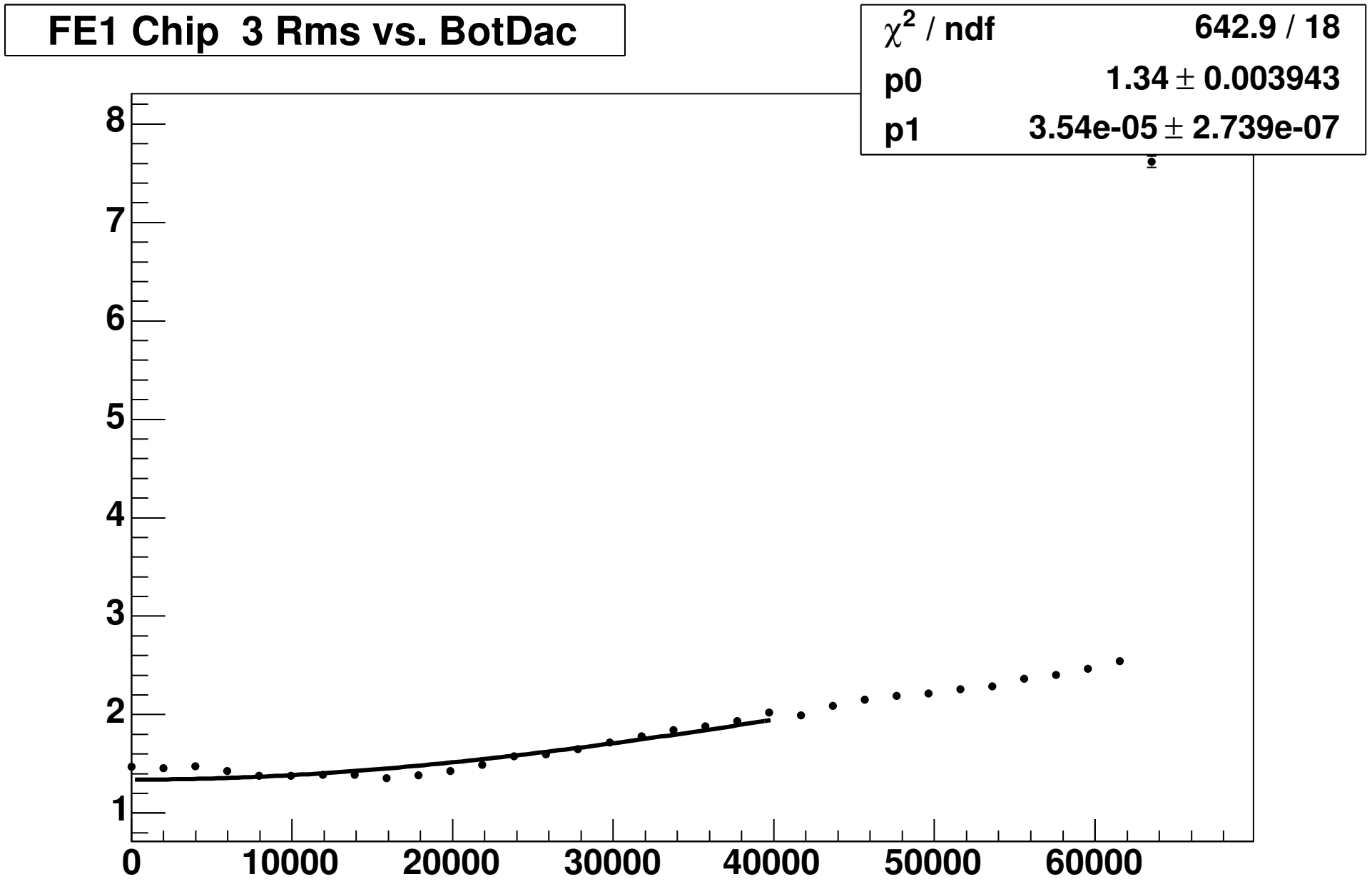
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

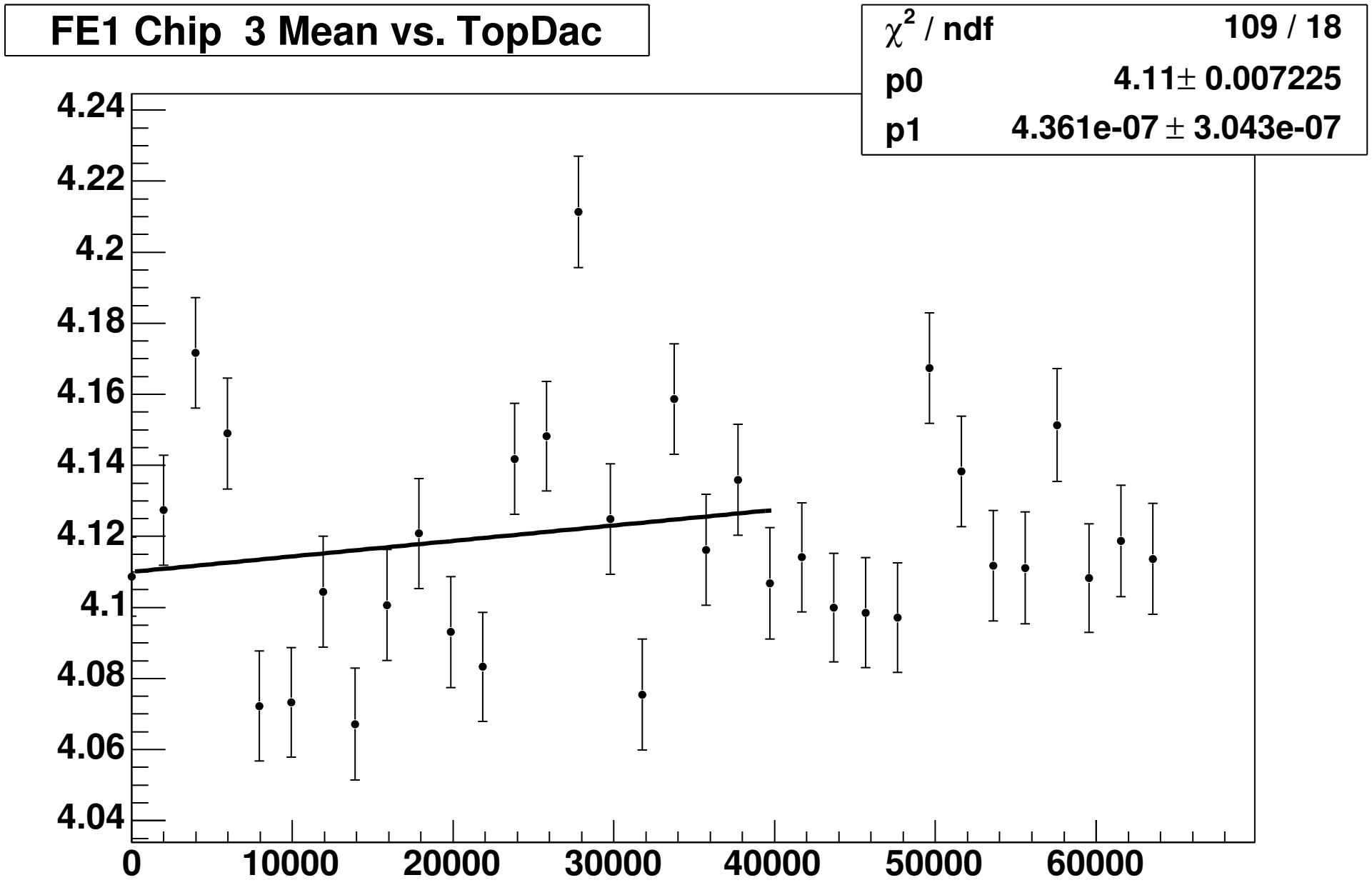

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 575.6 / 18
p0 1.377 ± 0.004008
p1 3.485e-05 ± 2.846e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

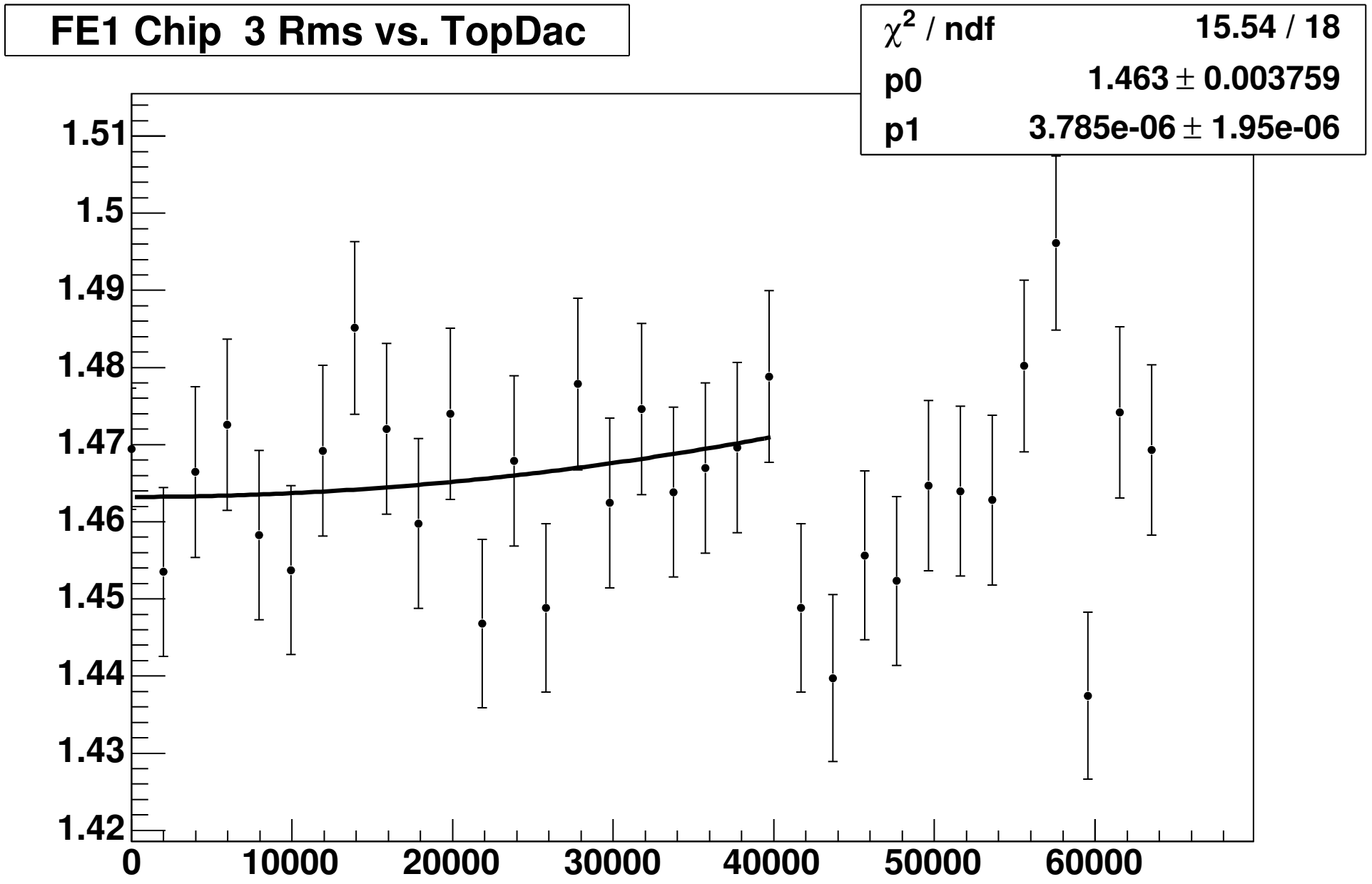

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 113.6 / 18
p0 6.944 ± 0.007391
p1 -2.701e-07 ± 3.111e-07
7.05
7
6.95
6.9
6.85
0
10000
20000
30000
40000
50000
60000

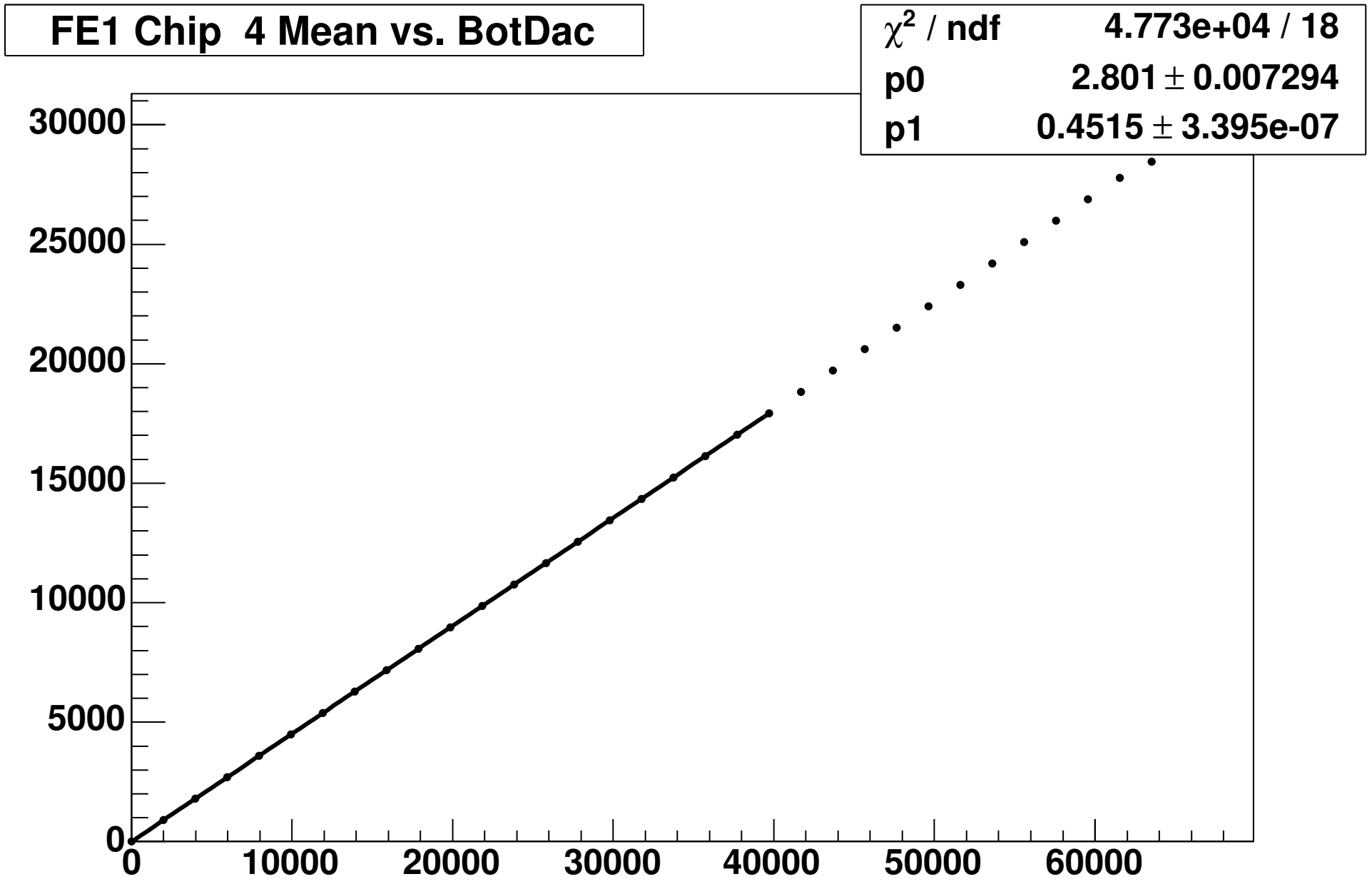

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 11.53 / 18
p0 1.496 ± 0.003847
p1 3.236e-06 ± 2.382e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

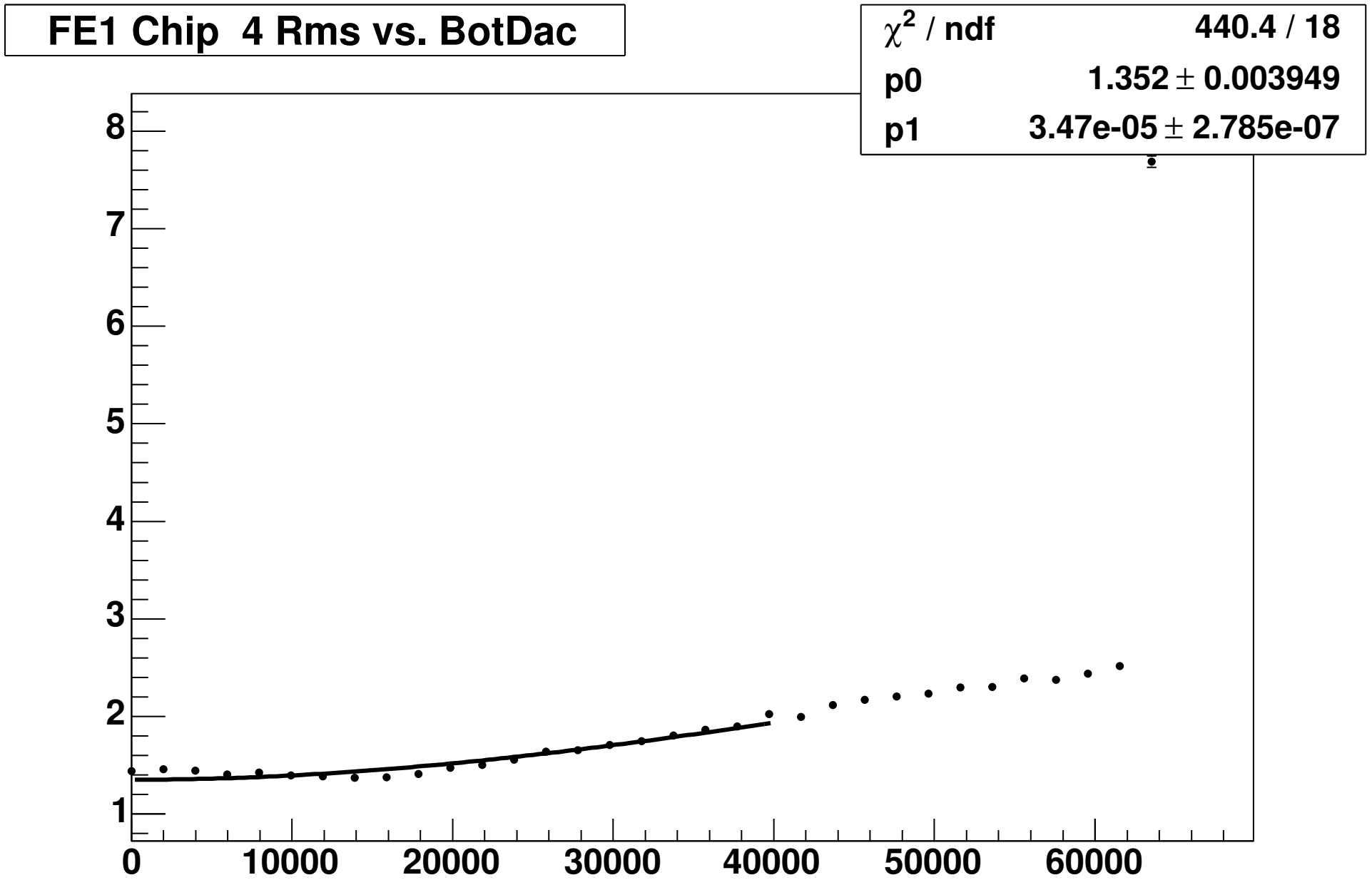

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 5.835e+04 / 18
p0 6.02 ± 0.007298
p1 0.4518 ± 3.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

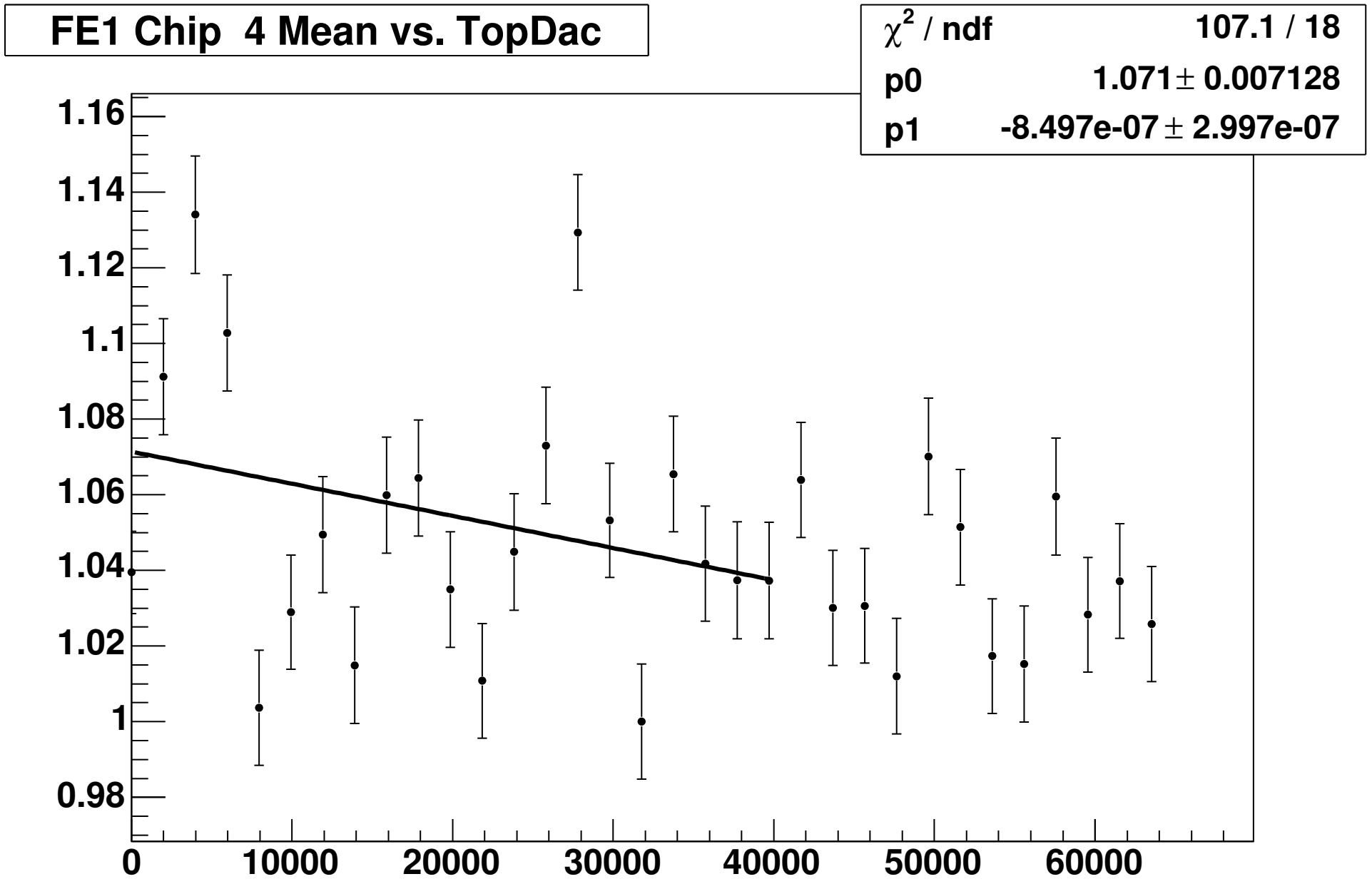

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 642.9 / 18
p0 1.34 ± 0.003943
p1 3.54e-05 ± 2.739e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 109 / 18
p0 4.11 ± 0.007225
p1 4.361e-07 ± 3.043e-07
4.24
4.22
4.2
4.18
4.16
4.14
4.12
4.1
4.08
4.06
4.04
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 15.54 / 18
p0 1.463 ± 0.003759
p1 3.785e-06 ± 1.95e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 4.773e+04 / 18
p0 2.801 ± 0.007294
p1 0.4515 ± 3.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 440.4 / 18
p0 1.352 ± 0.003949
p1 3.47e-05 ± 2.785e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 107.1 / 18
p0 1.071 ± 0.007128
p1 -8.497e-07 ± 2.997e-07
1.16
1.14
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
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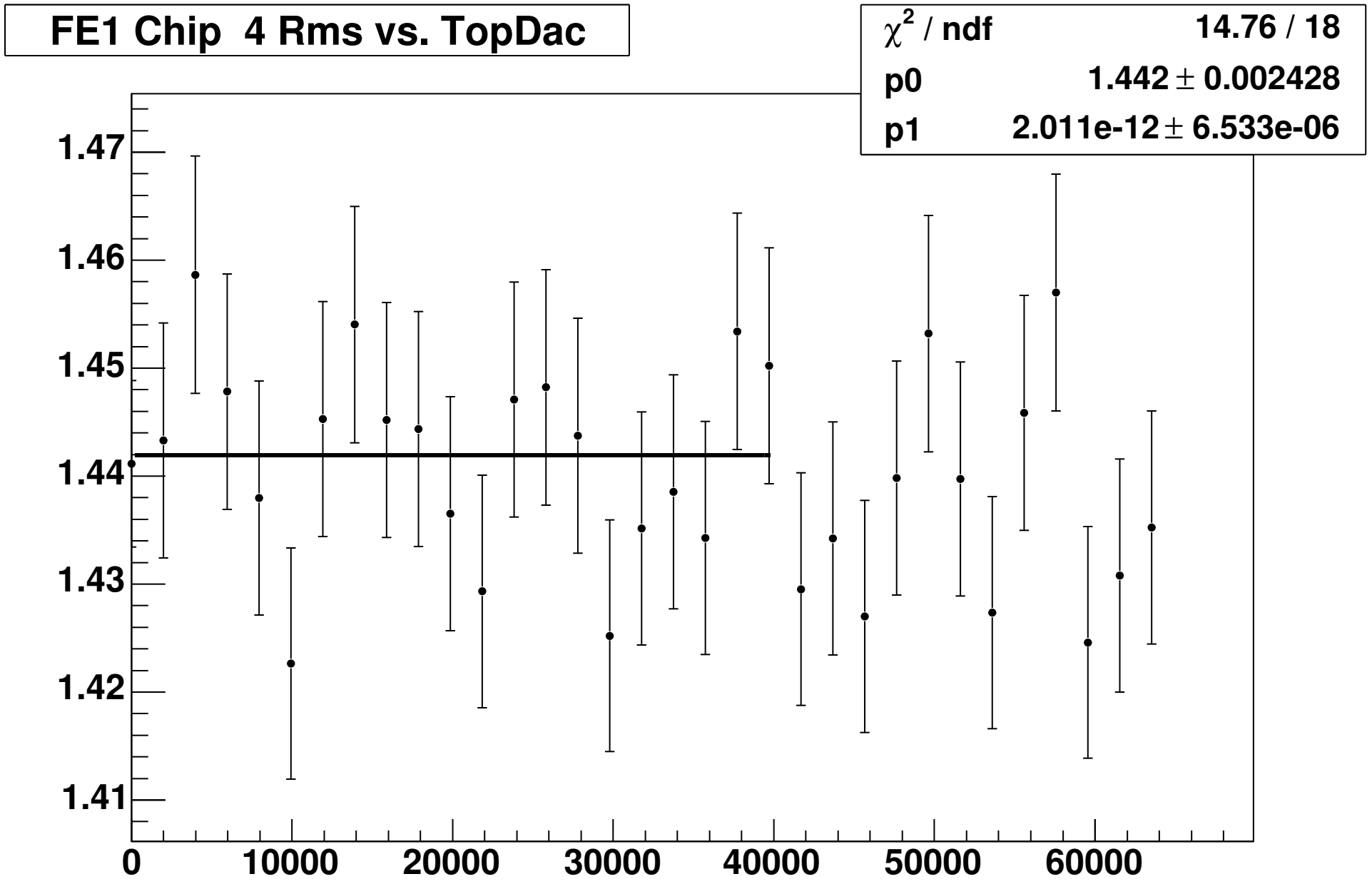
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 14.76 / 18
p0 1.442 ± 0.002428
p1 2.011e-12 ± 6.533e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
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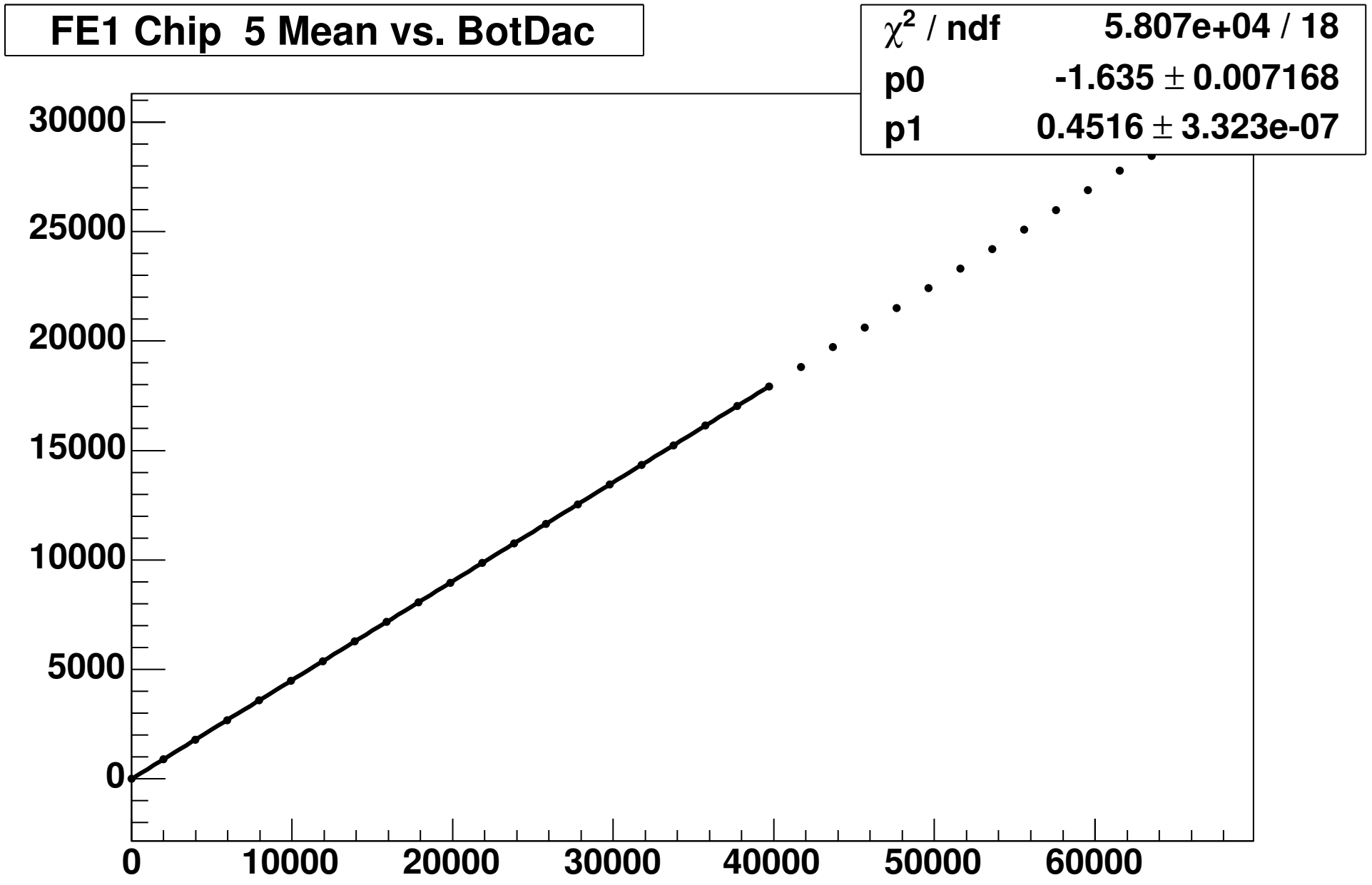
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 5.807e+04 / 18
p0 -1.635 ± 0.007168
p1 0.4516 ± 3.323e-07
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15000
10000
5000
0
0
10000
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40000
50000
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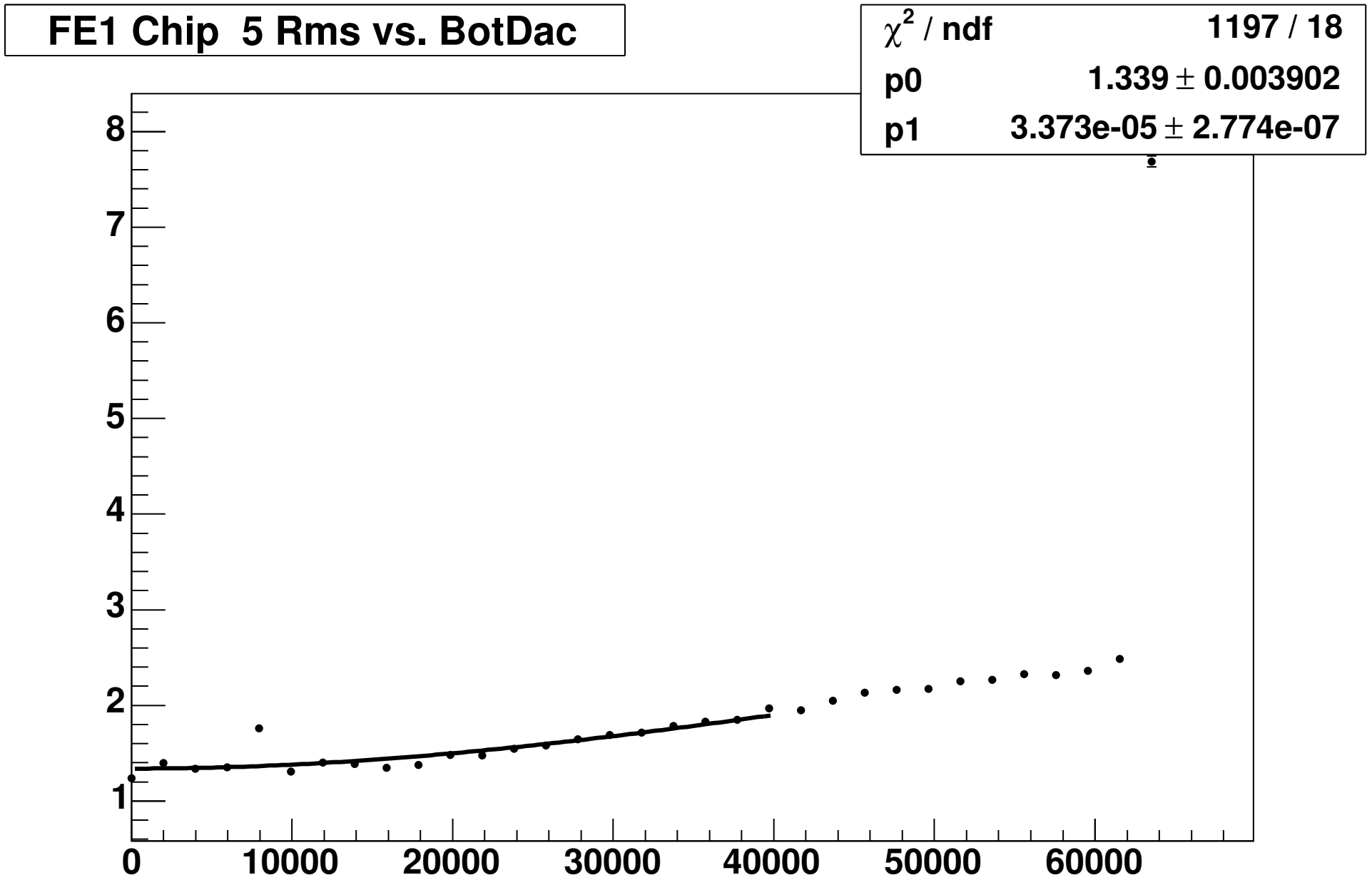
FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1197 / 18
p0 1.339 ± 0.003902
p1 3.373e-05 ± 2.774e-07
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7
6
5
4
3
2
1
0
10000
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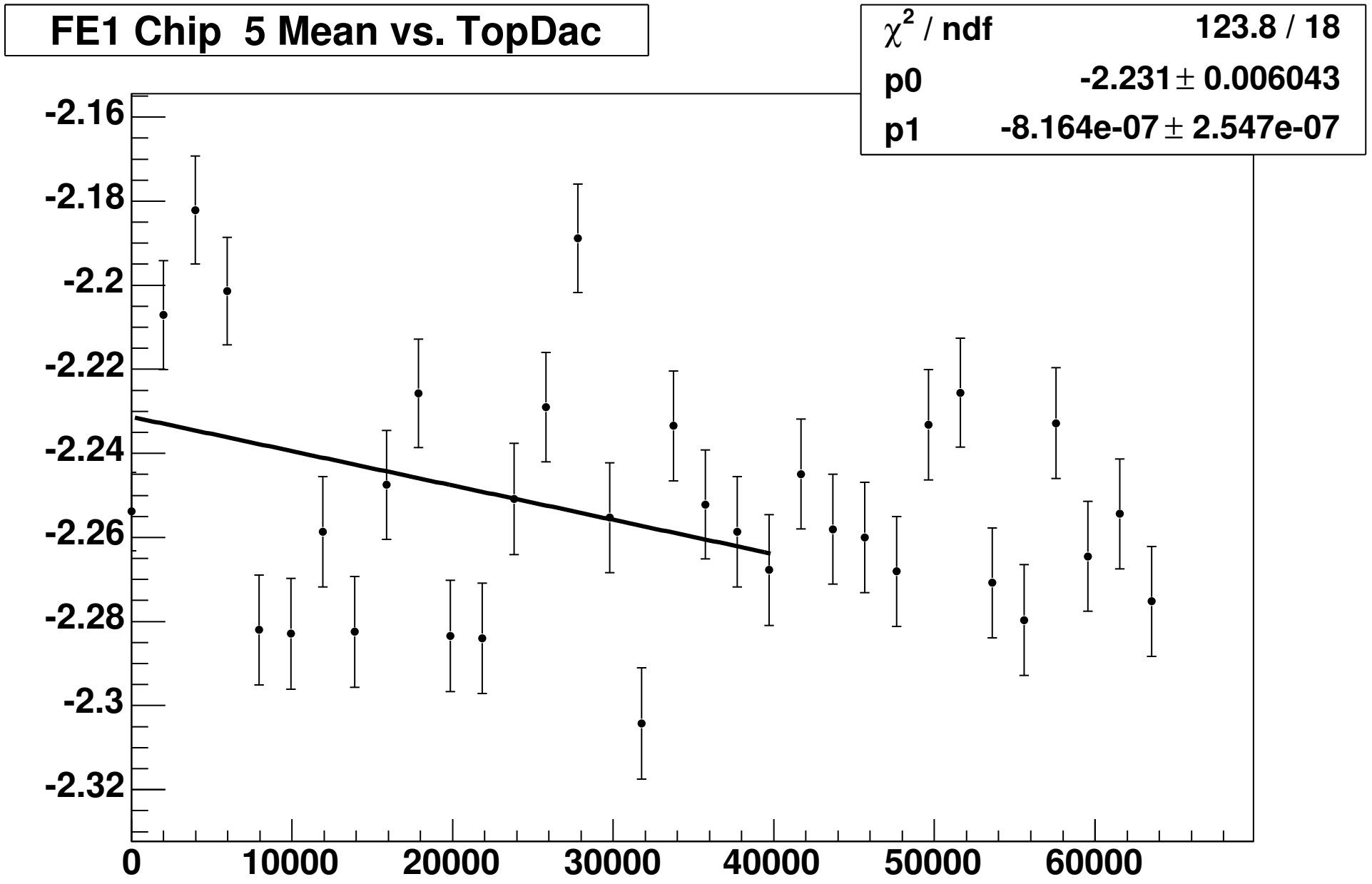
60000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 123.8 / 18
p0 -2.231 ± 0.006043
p1 -8.164e-07 ± 2.547e-07
-2.16
-2.18
-2.2
-2.22
-2.24
-2.26
-2.28
-2.3
-2.32
0
10000
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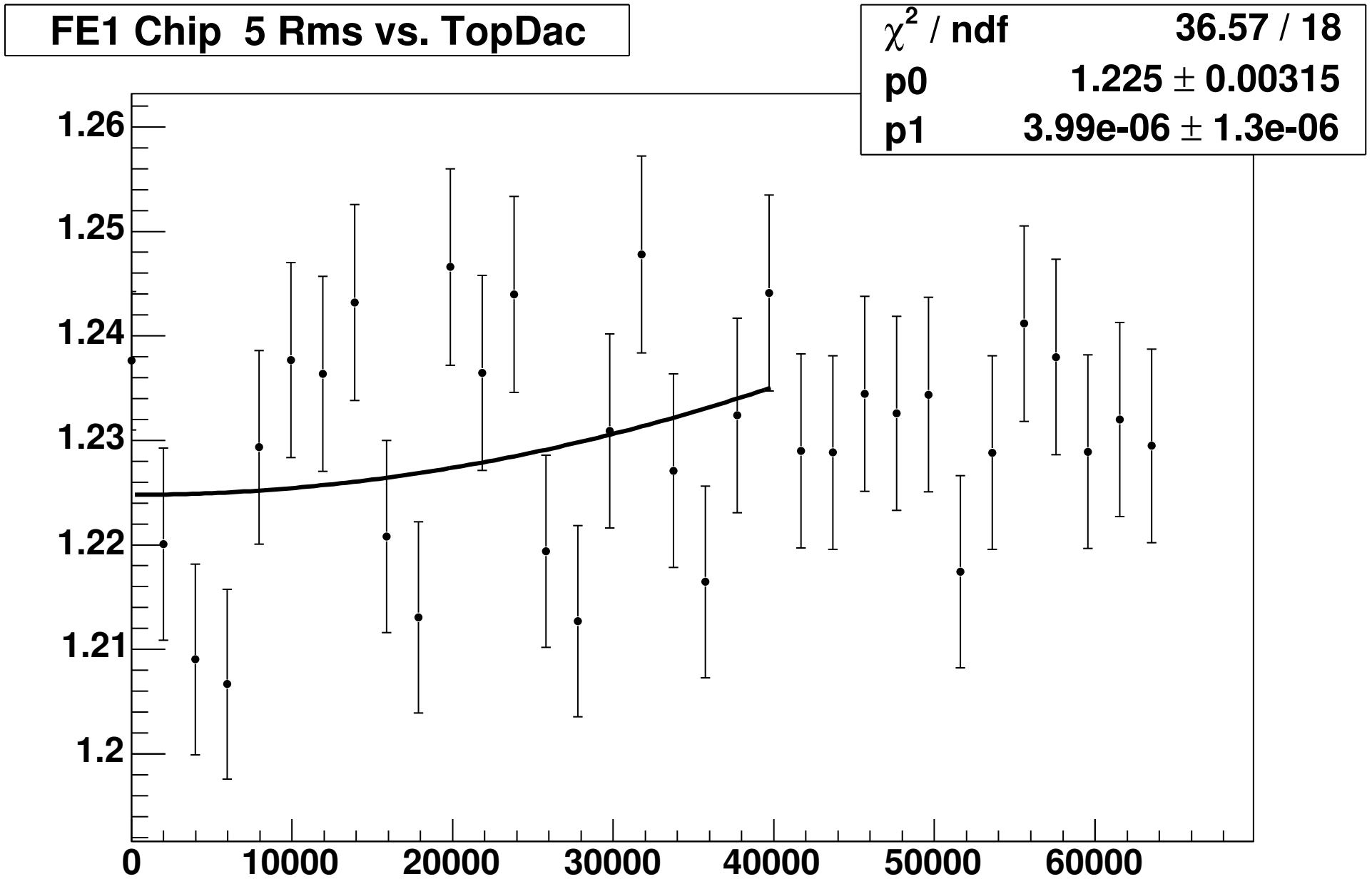
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 36.57 / 18
p0 1.225 ± 0.00315
p1 3.99e-06 ± 1.3e-06
1.26
1.25
1.24
1.23
1.22
1.21
1.2
0
10000
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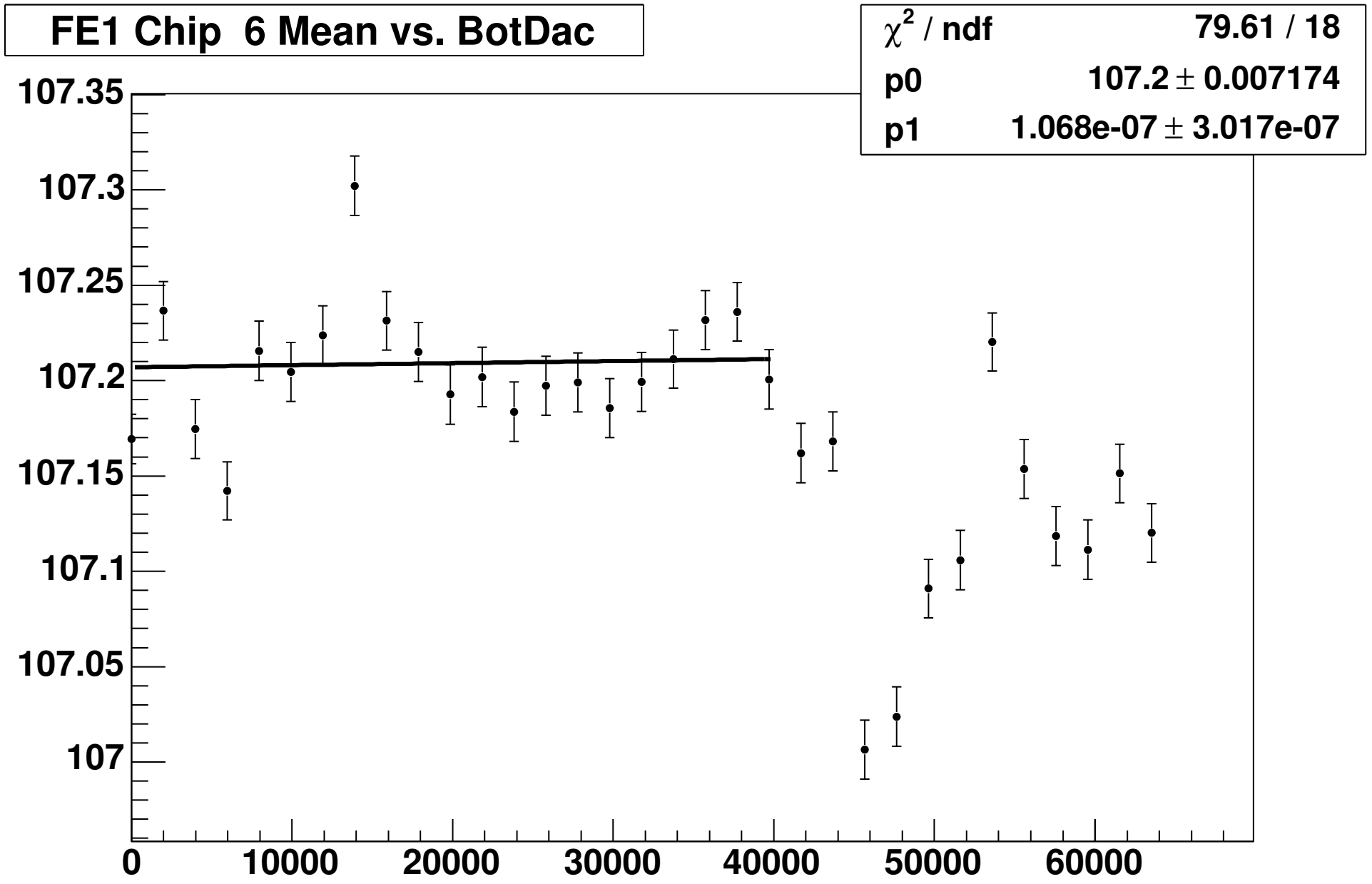
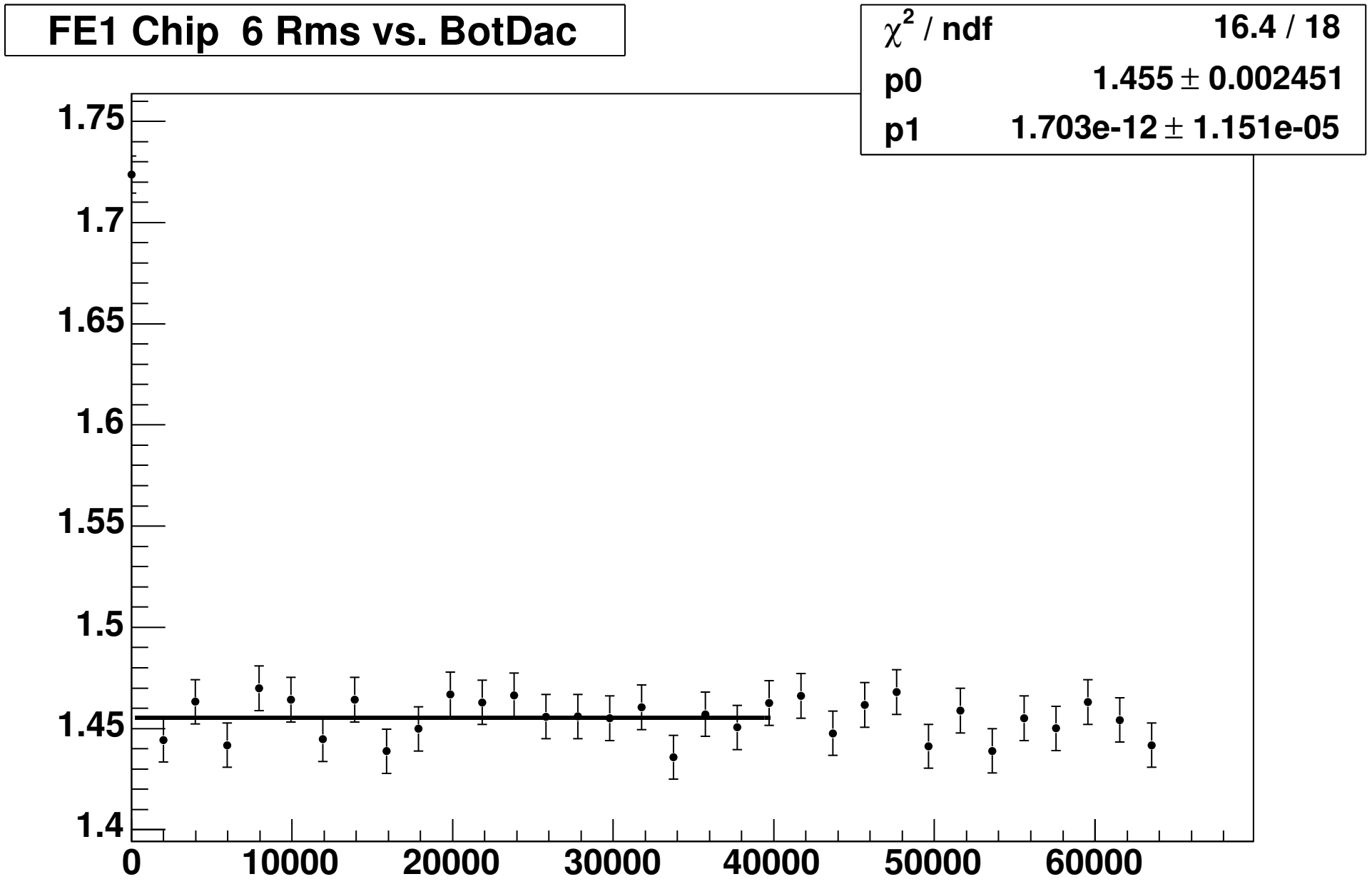

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 79.61 / 18
p0 107.2 ± 0.007174
p1 1.068e-07 ± 3.017e-07
107.35
107.3
107.25
107.2
107.15
107.1
107.05
107
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 16.4 / 18
p0 1.455 ± 0.002451
p1 1.703e-12 ± 1.151e-05
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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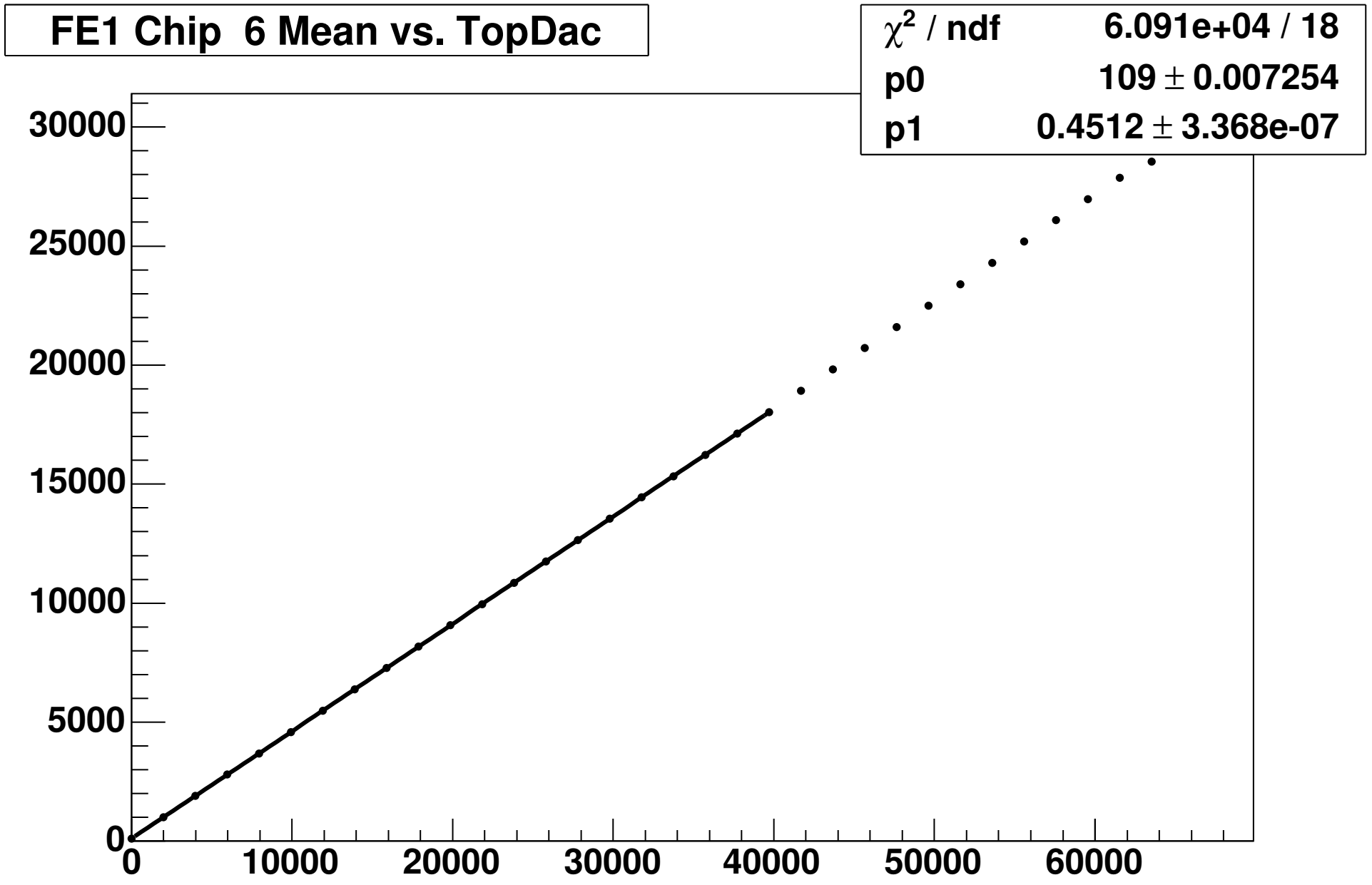
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 6.091e+04 / 18
p0 109 ± 0.007254
p1 0.4512 ± 3.368e-07
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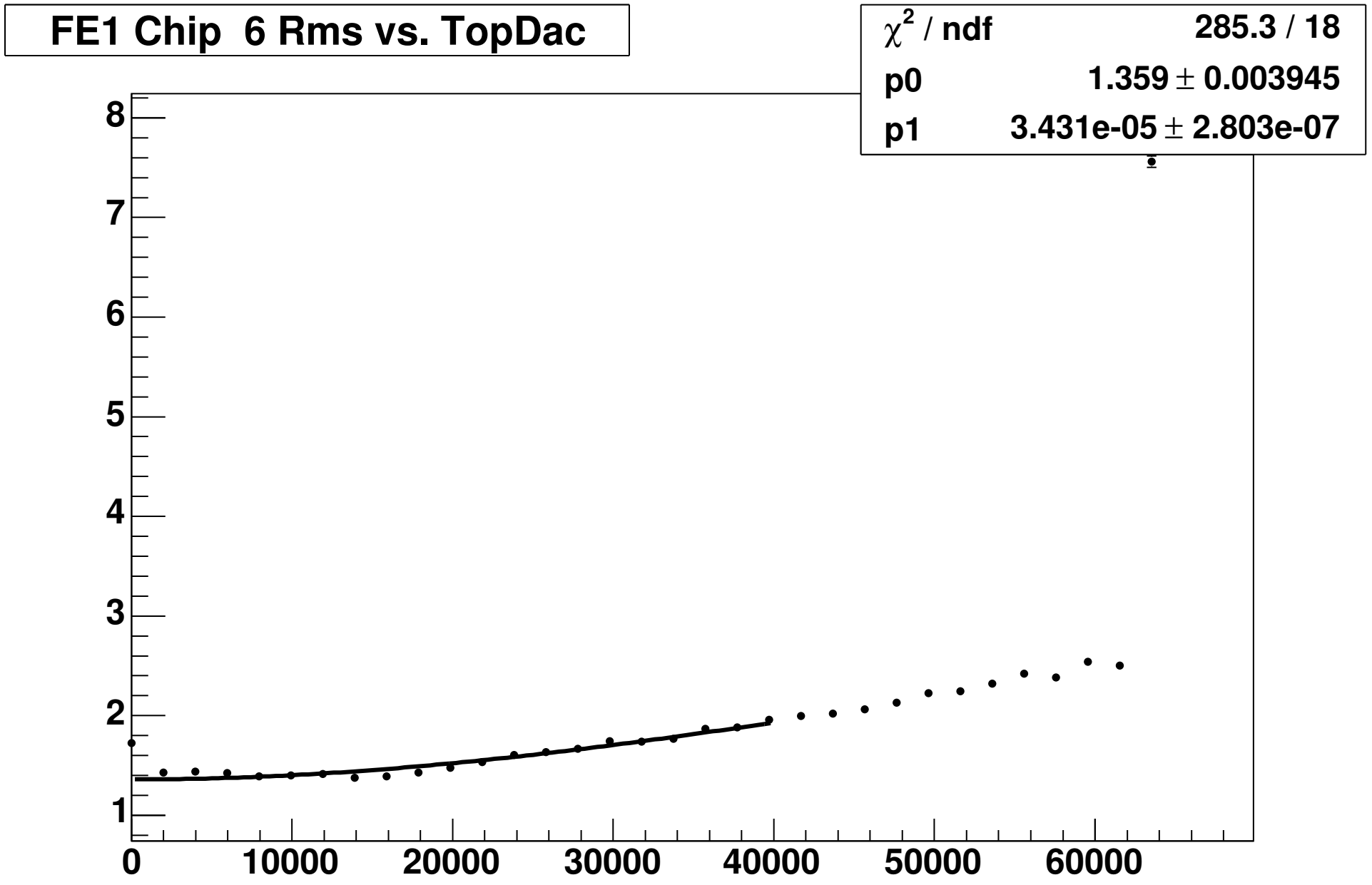
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 285.3 / 18
p0 1.359 ± 0.003945
p1 3.431e-05 ± 2.803e-07
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7
6
5
4
3
2
1
0
10000
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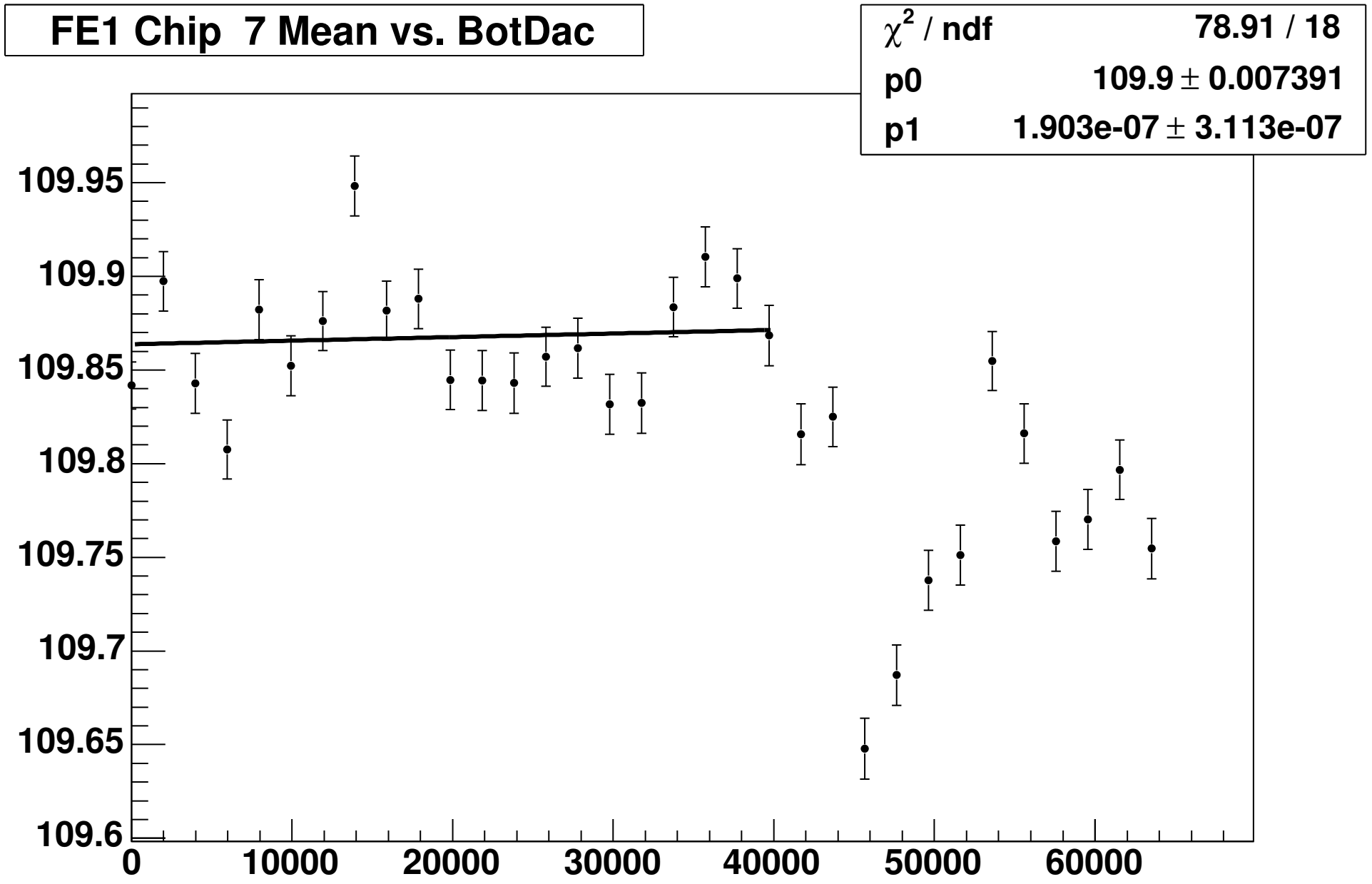
30000
40000
50000
60000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 78.91 / 18
p0 109.9 ± 0.007391
p1 1.903e-07 ± 3.113e-07
109.95
109.9
109.85
109.8
109.75
109.7
109.65
109.6
0
10000
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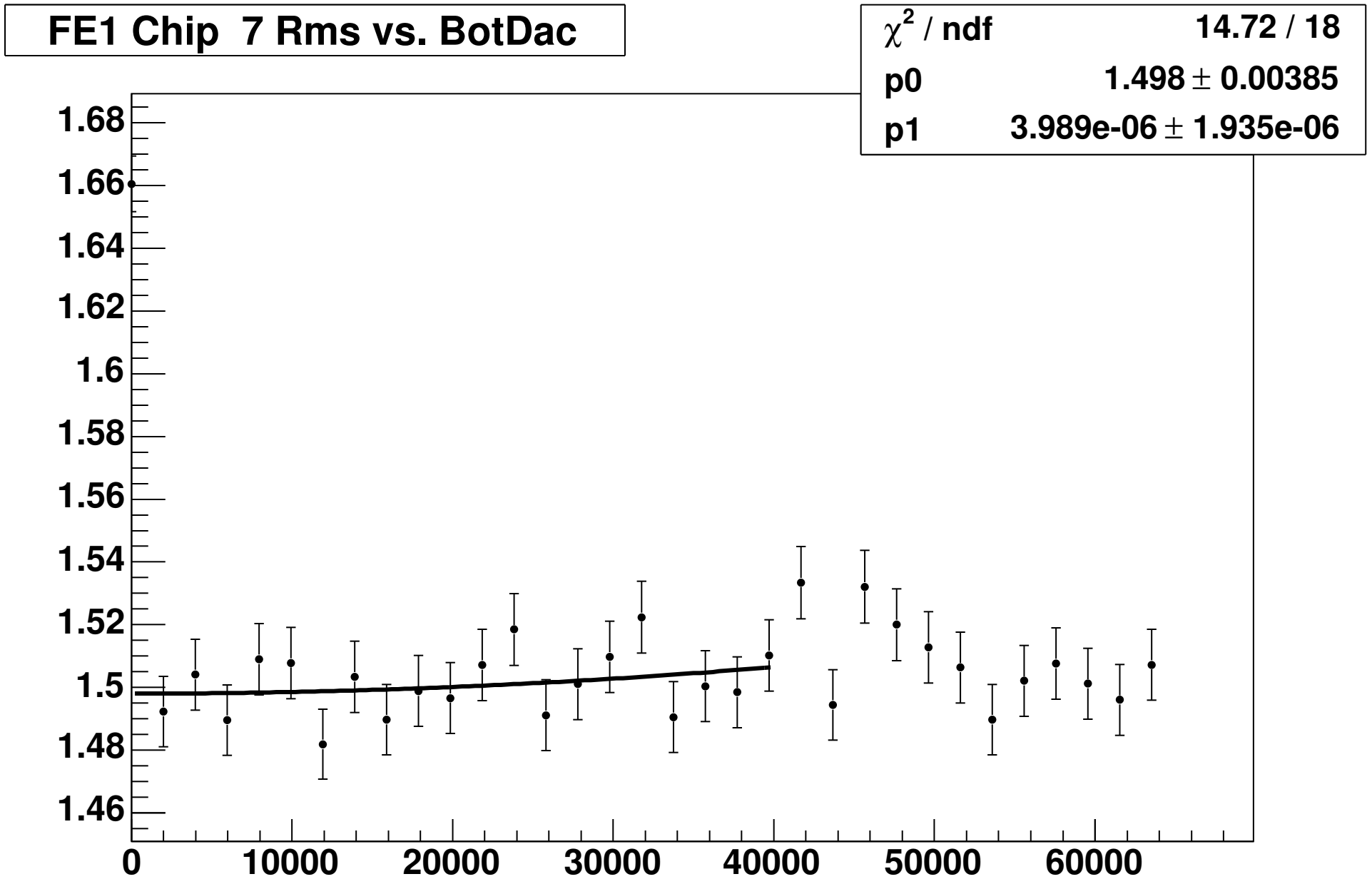
40000
50000
60000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 14.72 / 18
p0 1.498 ± 0.00385
p1 3.989e-06 ± 1.935e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
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10000
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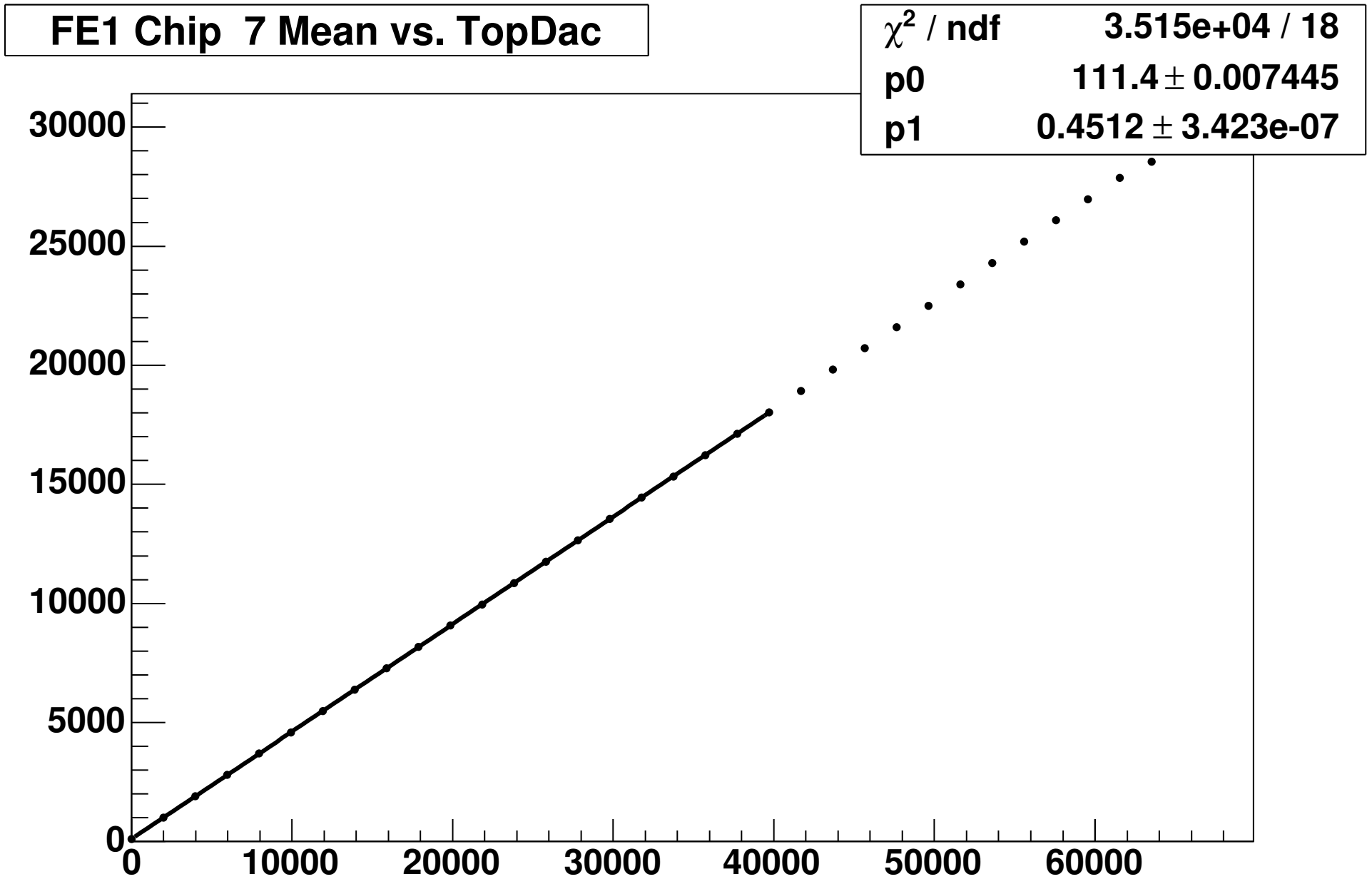
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 3.515e+04 / 18
p0 111.4 ± 0.007445
p1 0.4512 ± 3.423e-07
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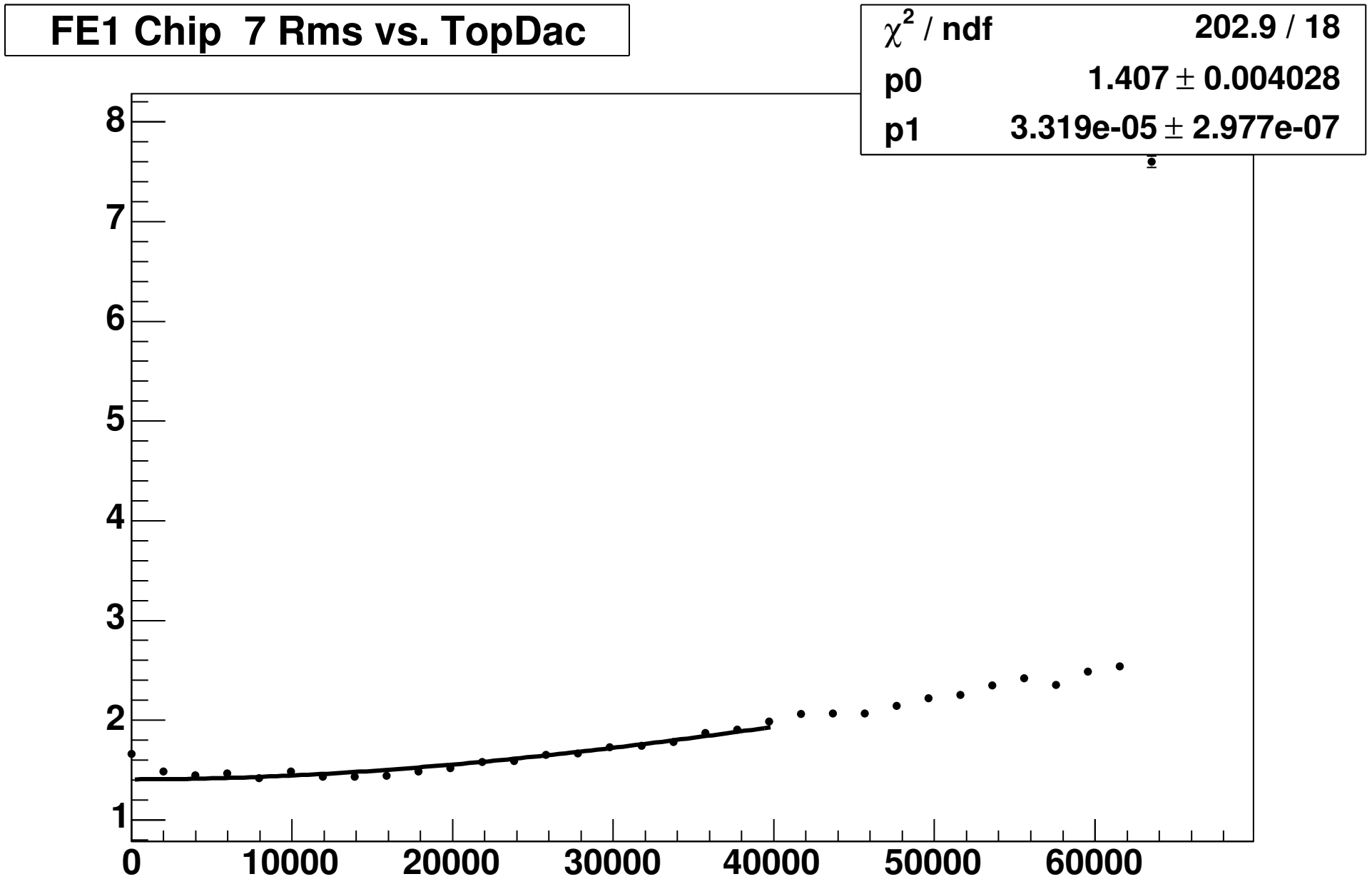
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 202.9 / 18
p0 1.407 ± 0.004028
p1 3.319e-05 ± 2.977e-07
8
7
6
5
4
3
2
1
0
10000
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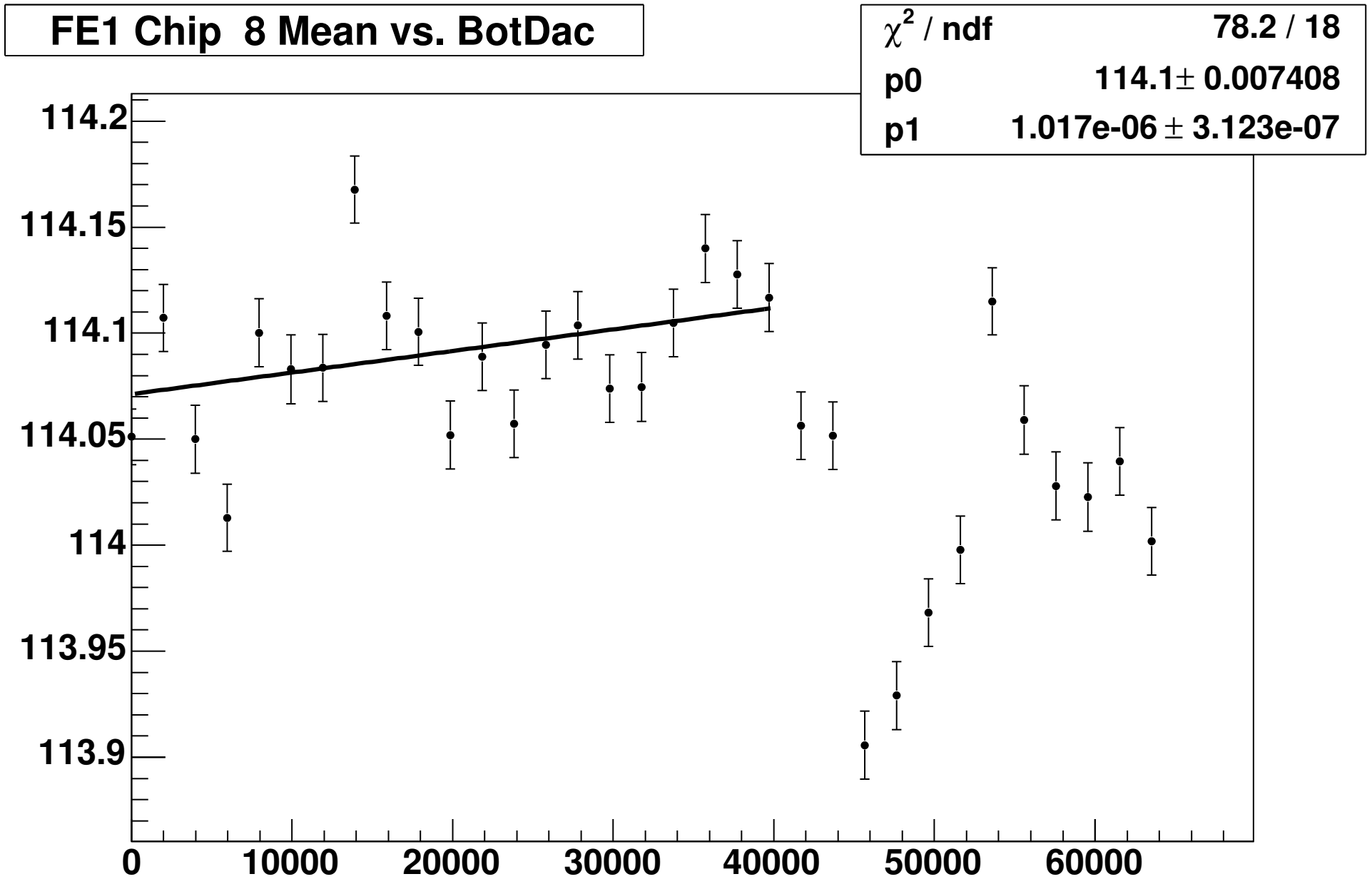
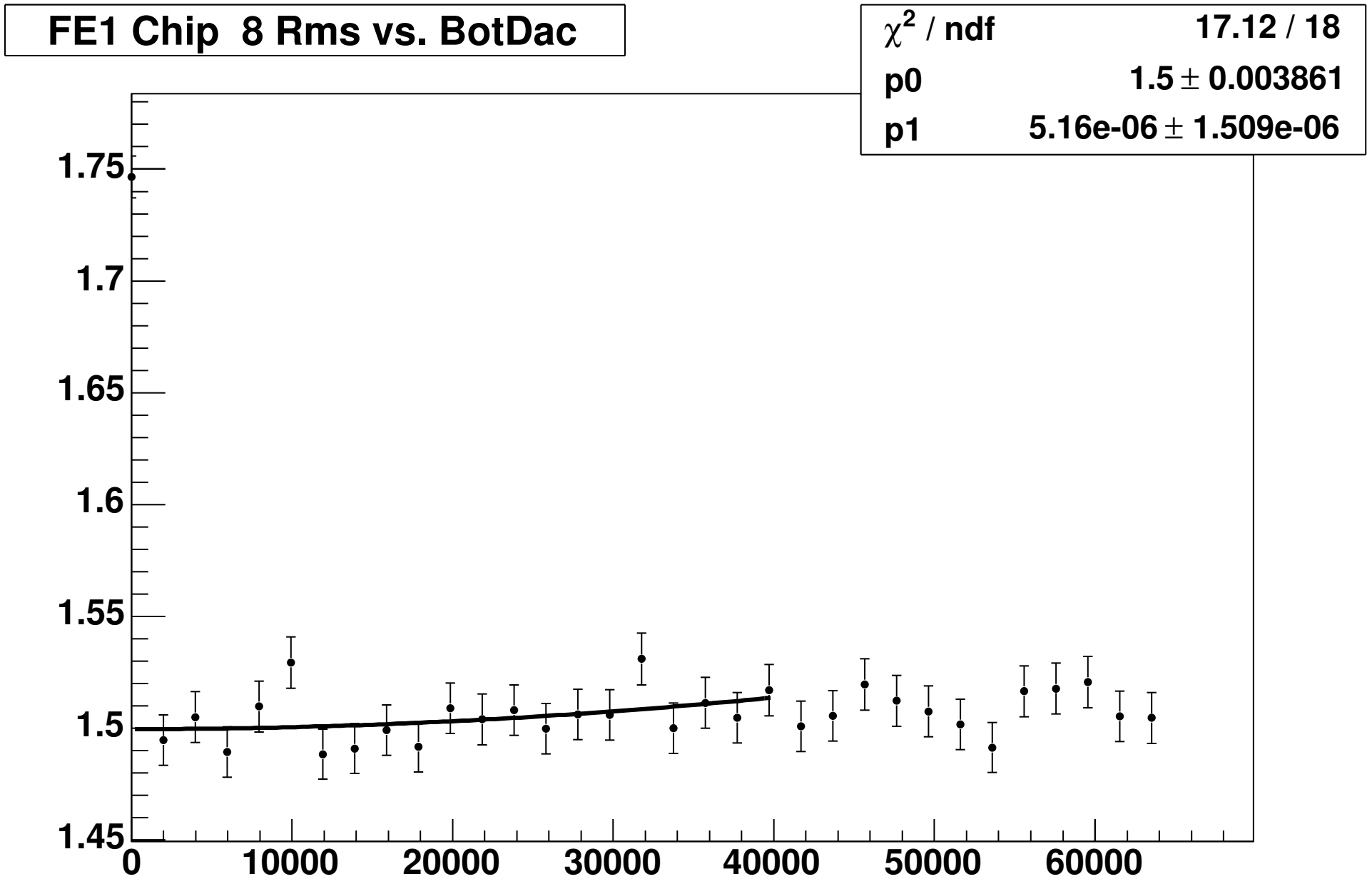
50000
60000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 78.2 / 18
p0 114.1 ± 0.007408
p1 1.017e-06 ± 3.123e-07
114.2
114.15
114.1
114.05
114
113.95
113.9
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 17.12 / 18
p0 1.5 ± 0.003861
p1 5.16e-06 ± 1.509e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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40000
50000
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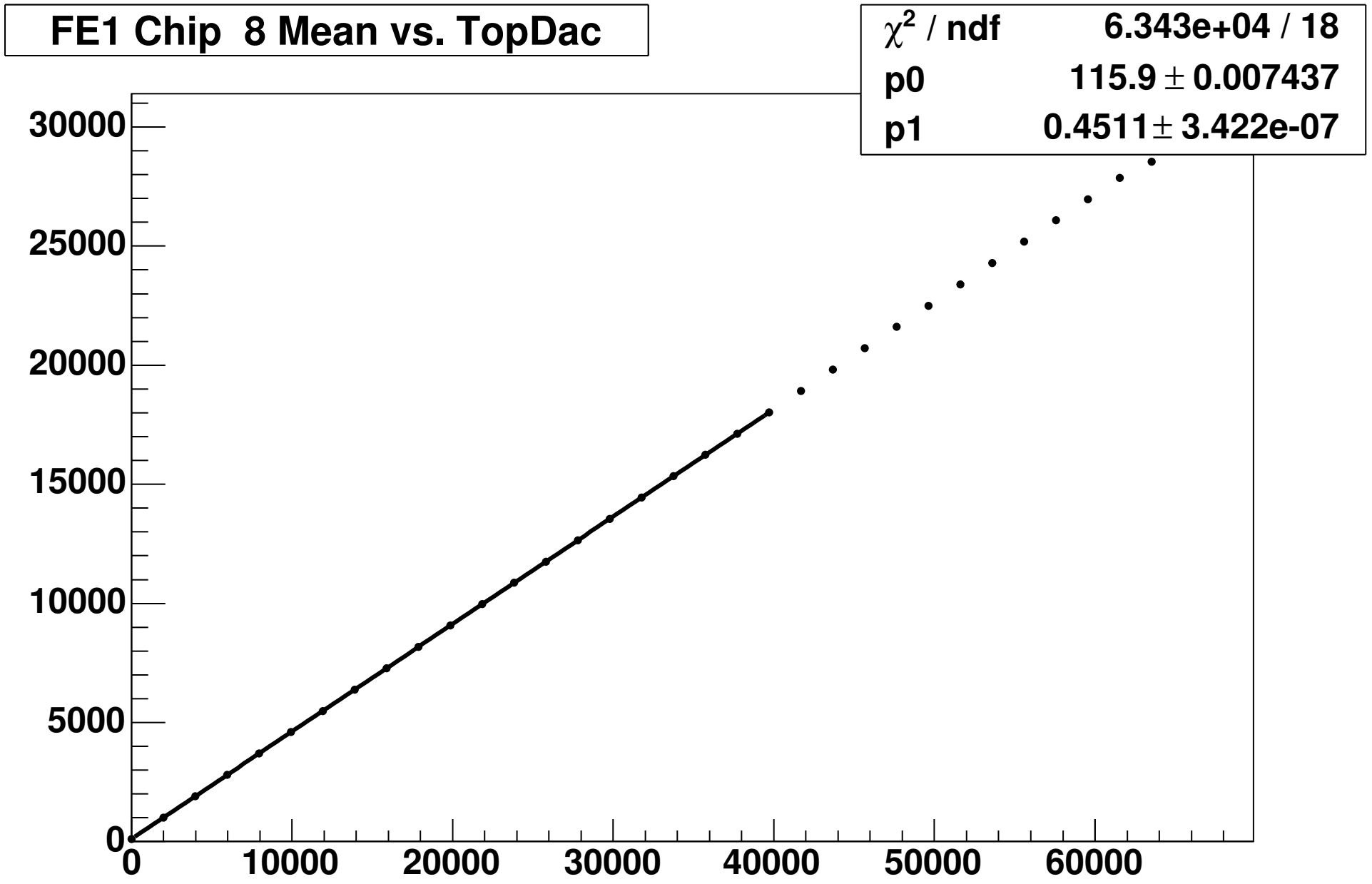
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 6.343e+04 / 18
p0 115.9 ± 0.007437
p1 0.4511 ± 3.422e-07
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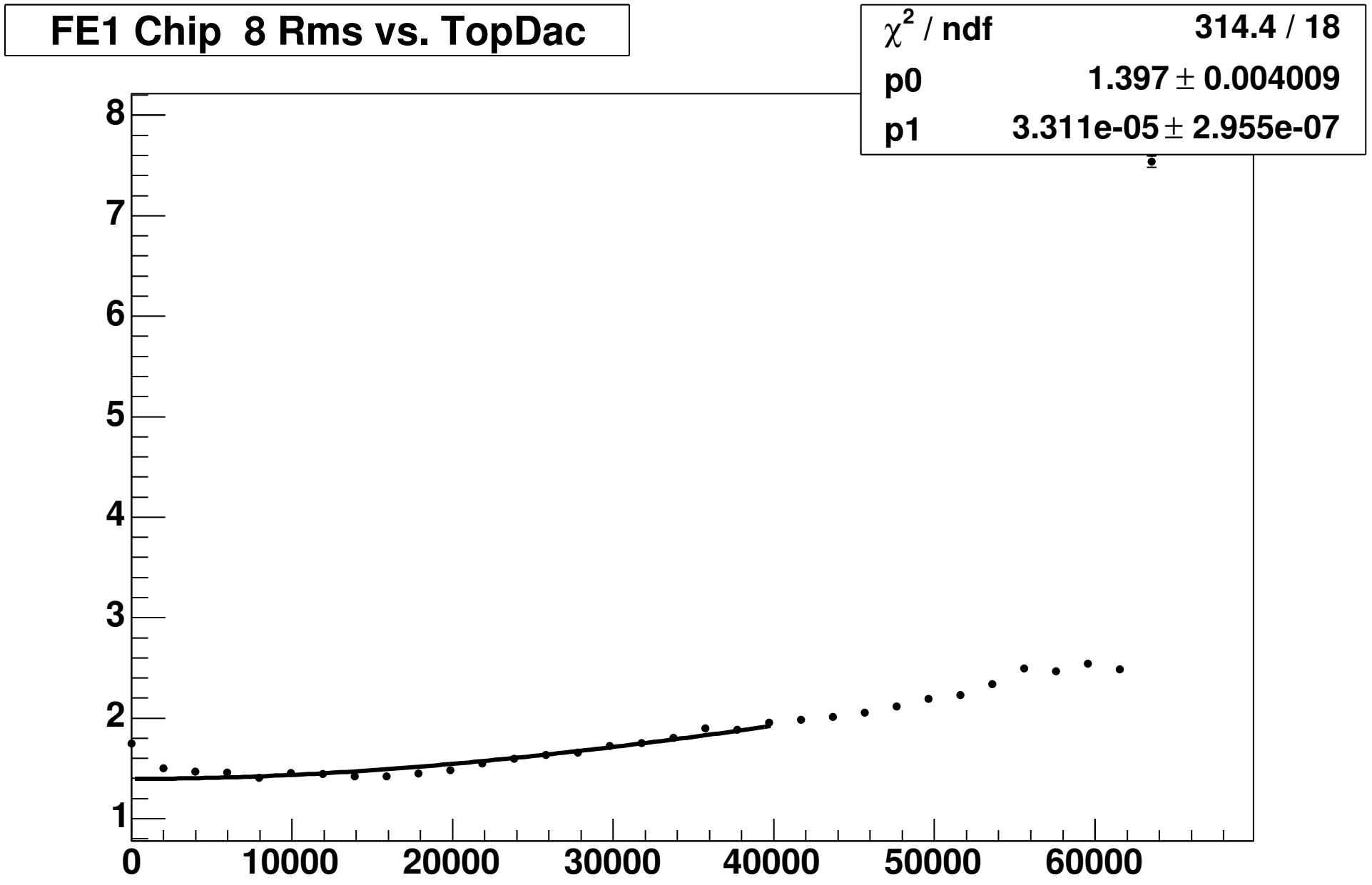
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 314.4 / 18
p0 1.397 ± 0.004009
p1 3.311e-05 ± 2.955e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
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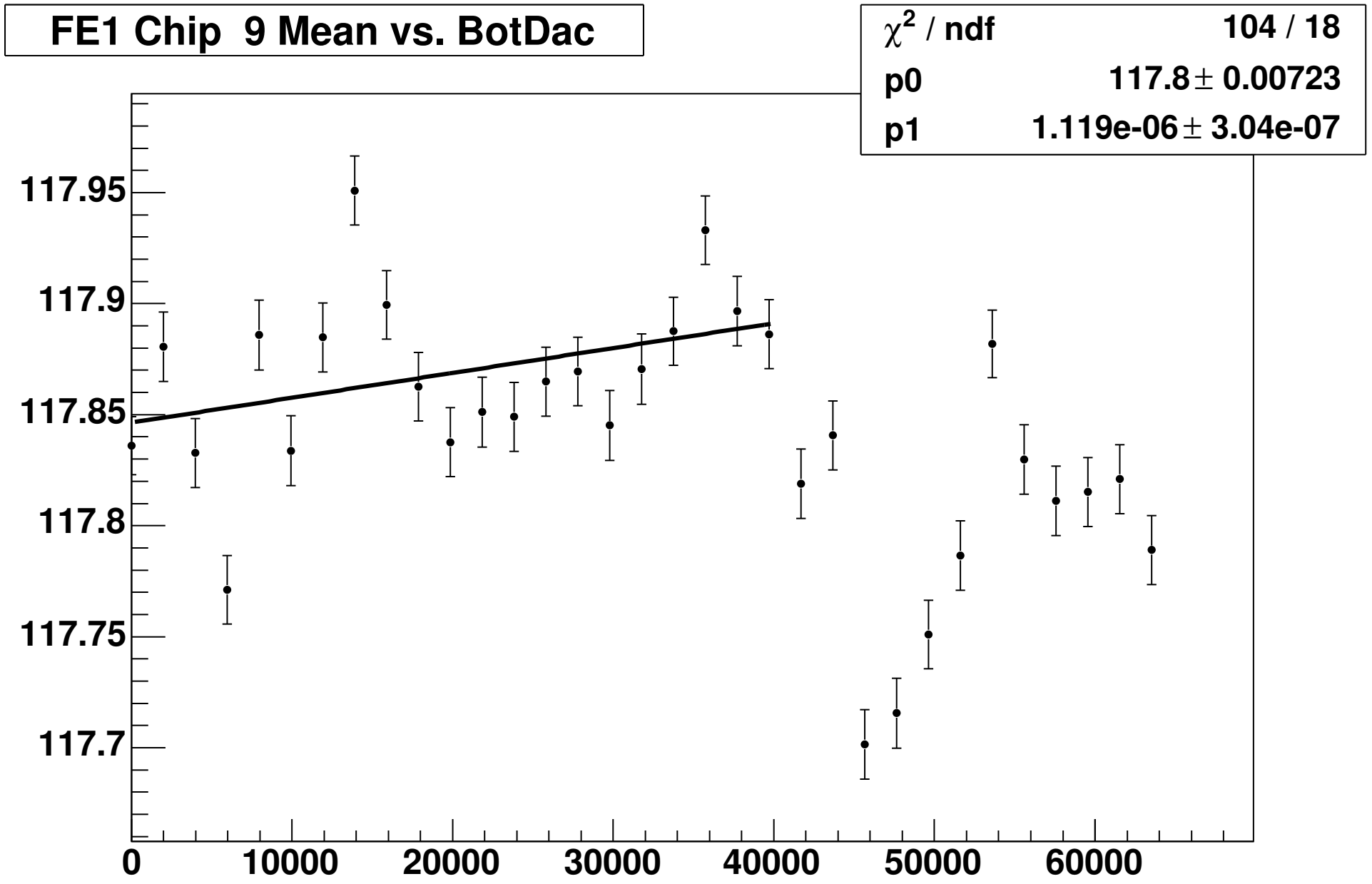
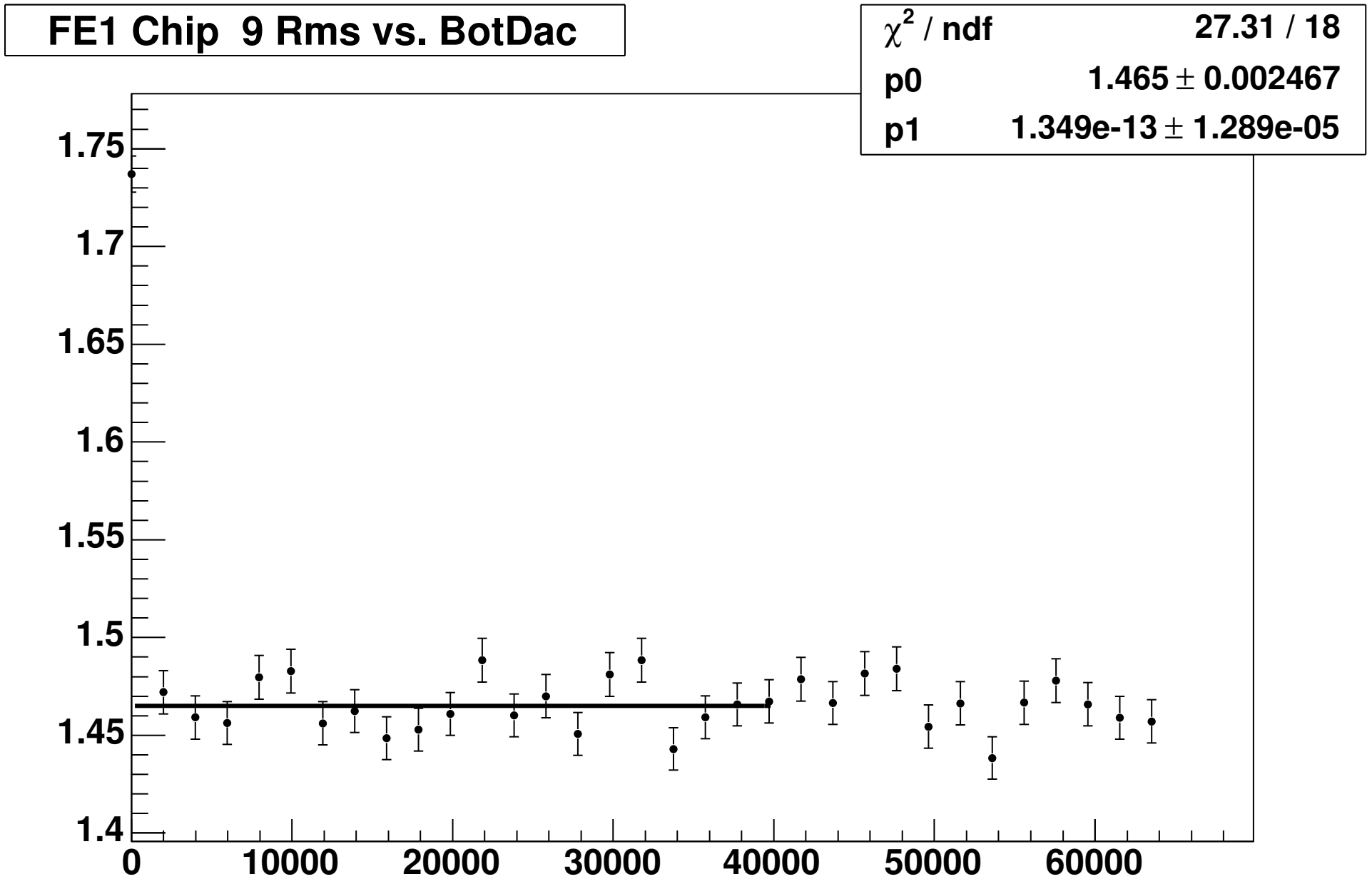

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 104 / 18
p0 117.8 ± 0.00723
p1 1.119e-06 ± 3.04e-07
117.95
117.9
117.85
117.8
117.75
117.7
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 27.31 / 18
p0 1.465 ± 0.002467
p1 1.349e-13 ± 1.289e-05
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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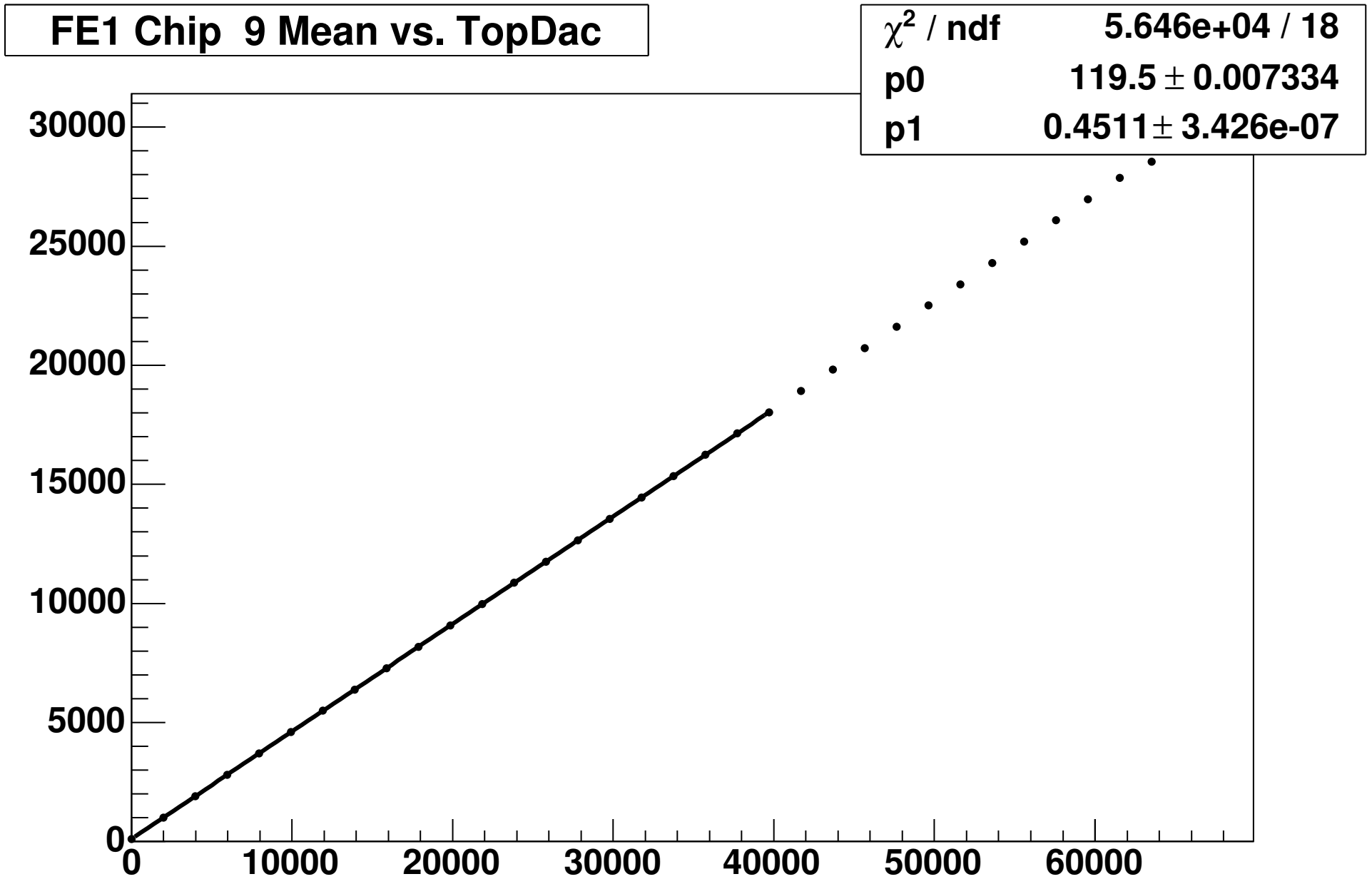
60000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 5.646e+04 / 18
p0 119.5 ± 0.007334
p1 0.4511 ± 3.426e-07
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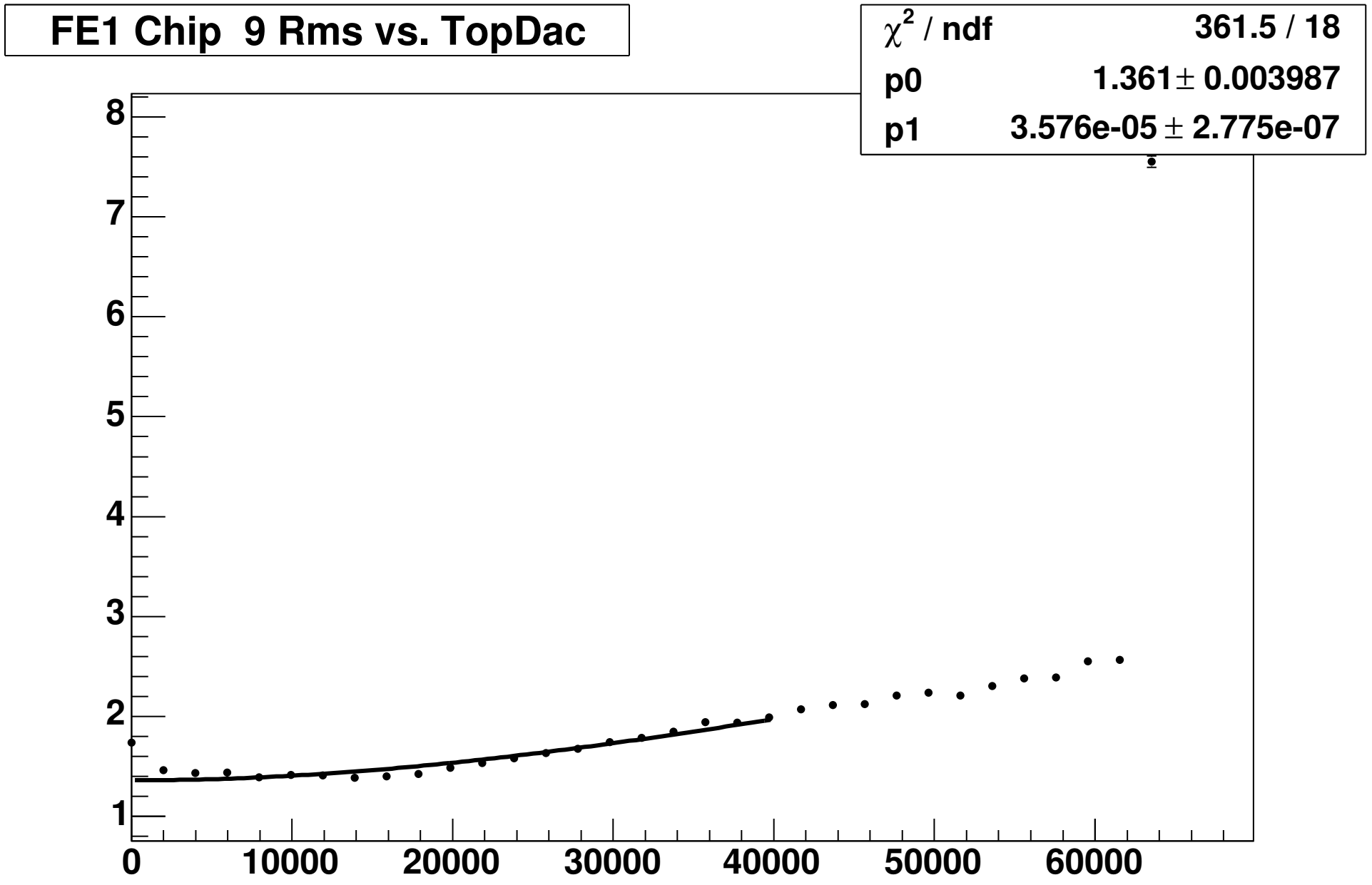
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 361.5 / 18
p0 1.361 ± 0.003987
p1 3.576e-05 ± 2.775e-07
8
7
6
5
4
3
2
1
0
10000
20000
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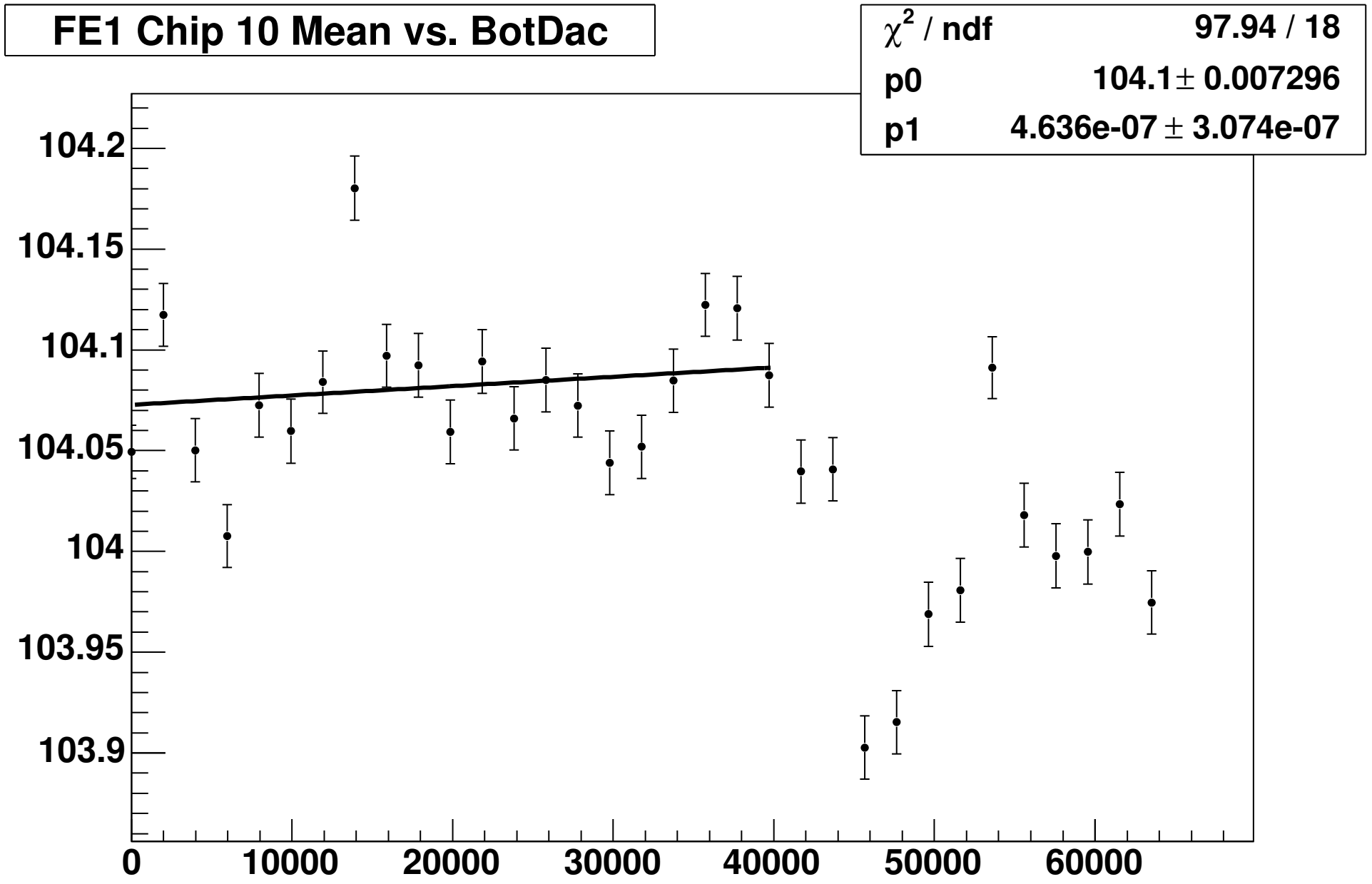
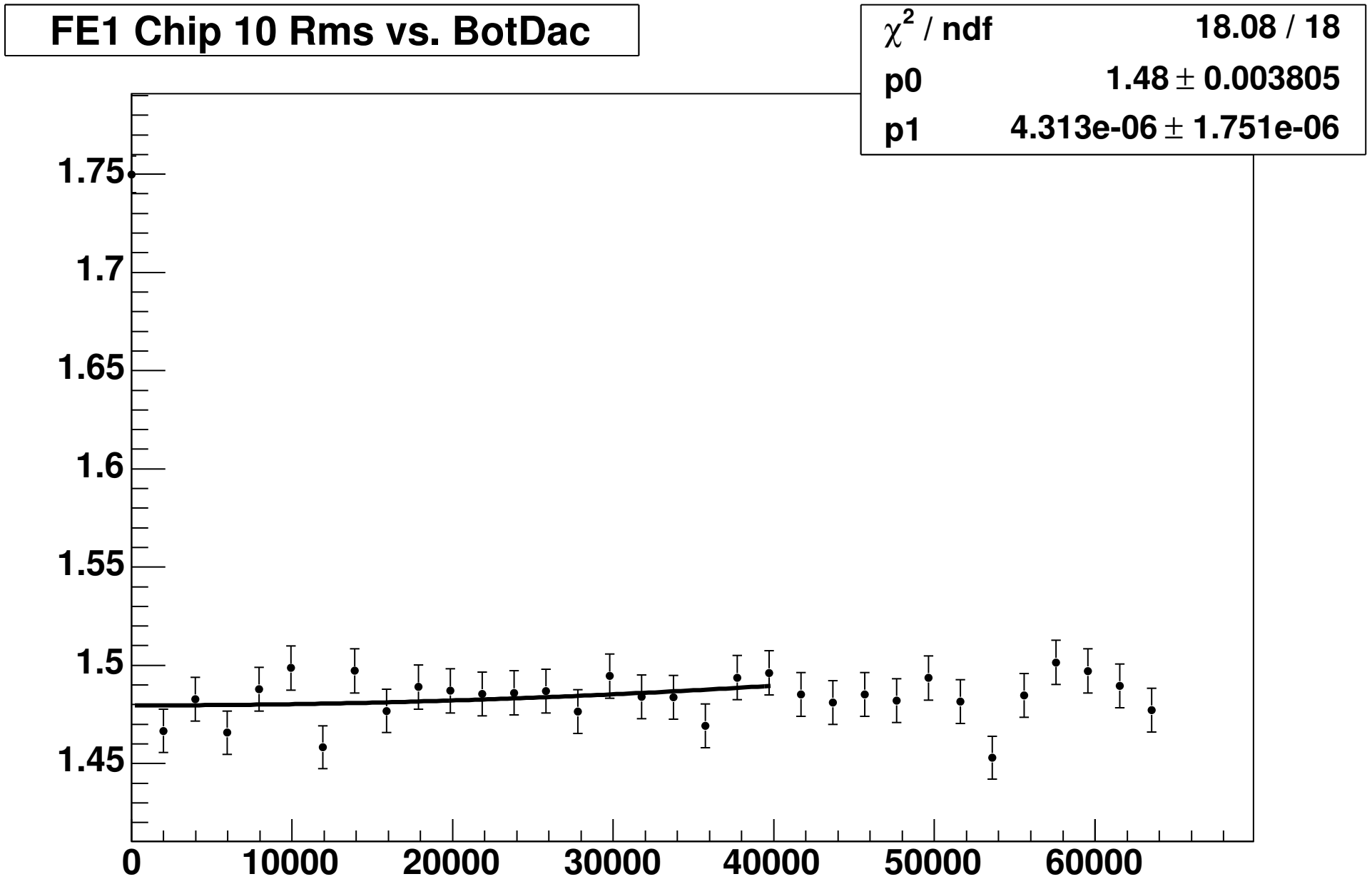
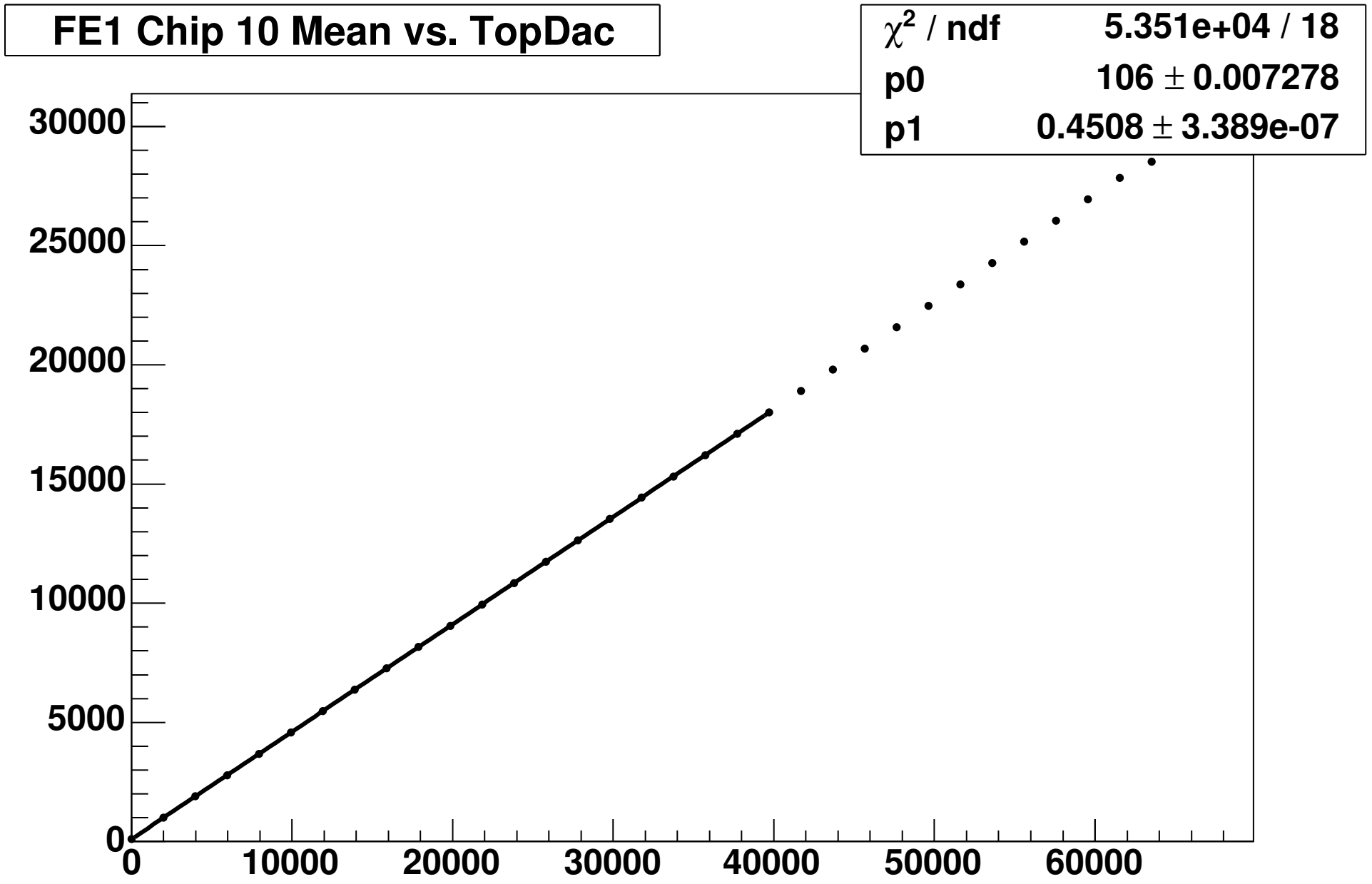
40000
50000
60000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 97.94 / 18
p0 104.1 ± 0.007296
p1 4.636e-07 ± 3.074e-07
104.2
104.15
104.1
104.05
104
103.95
103.9
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 18.08 / 18
p0 1.48 ± 0.003805
p1 4.313e-06 ± 1.751e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 5.351e+04 / 18
p0 106 ± 0.007278
p1 0.4508 ± 3.389e-07
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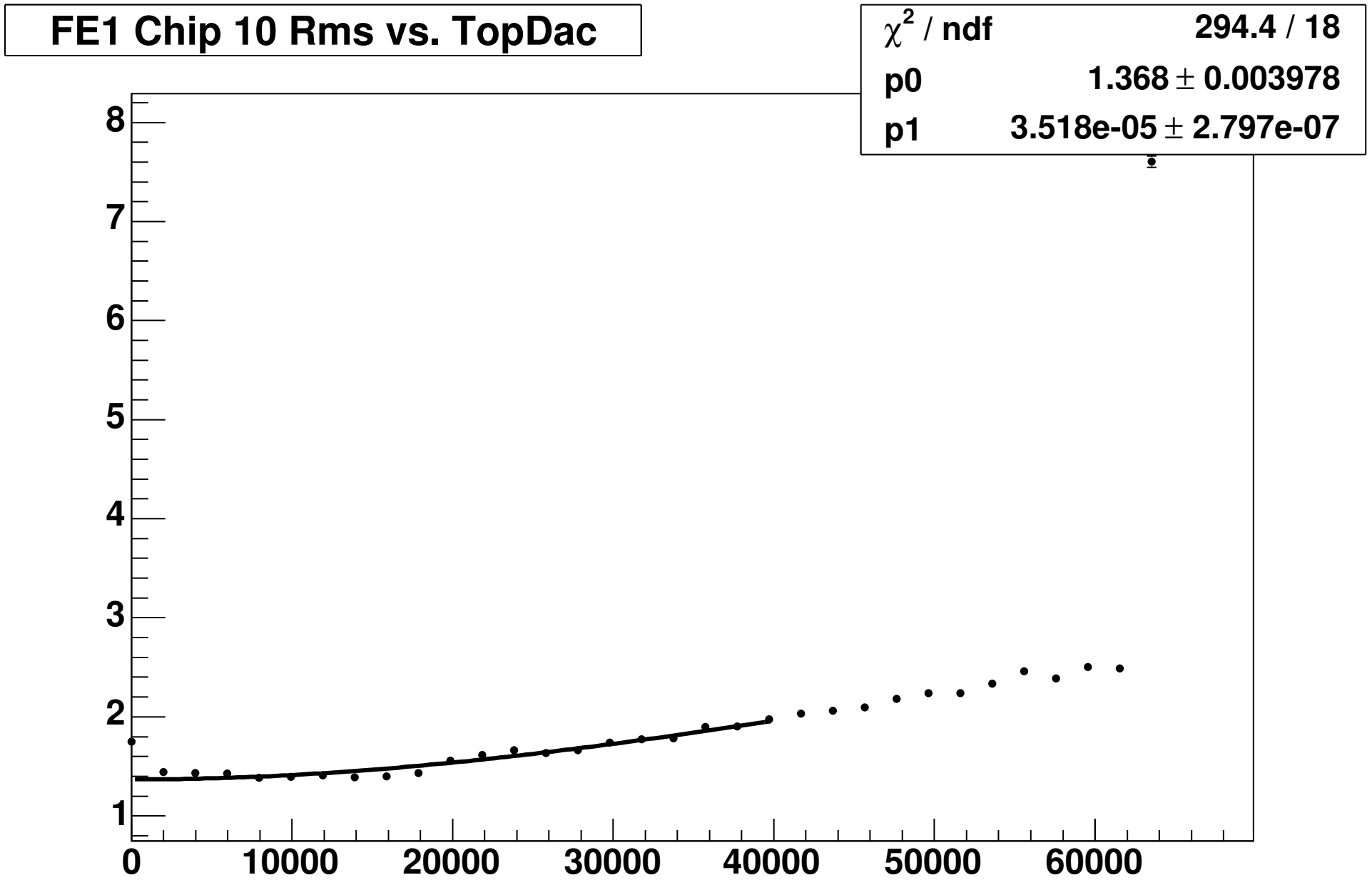
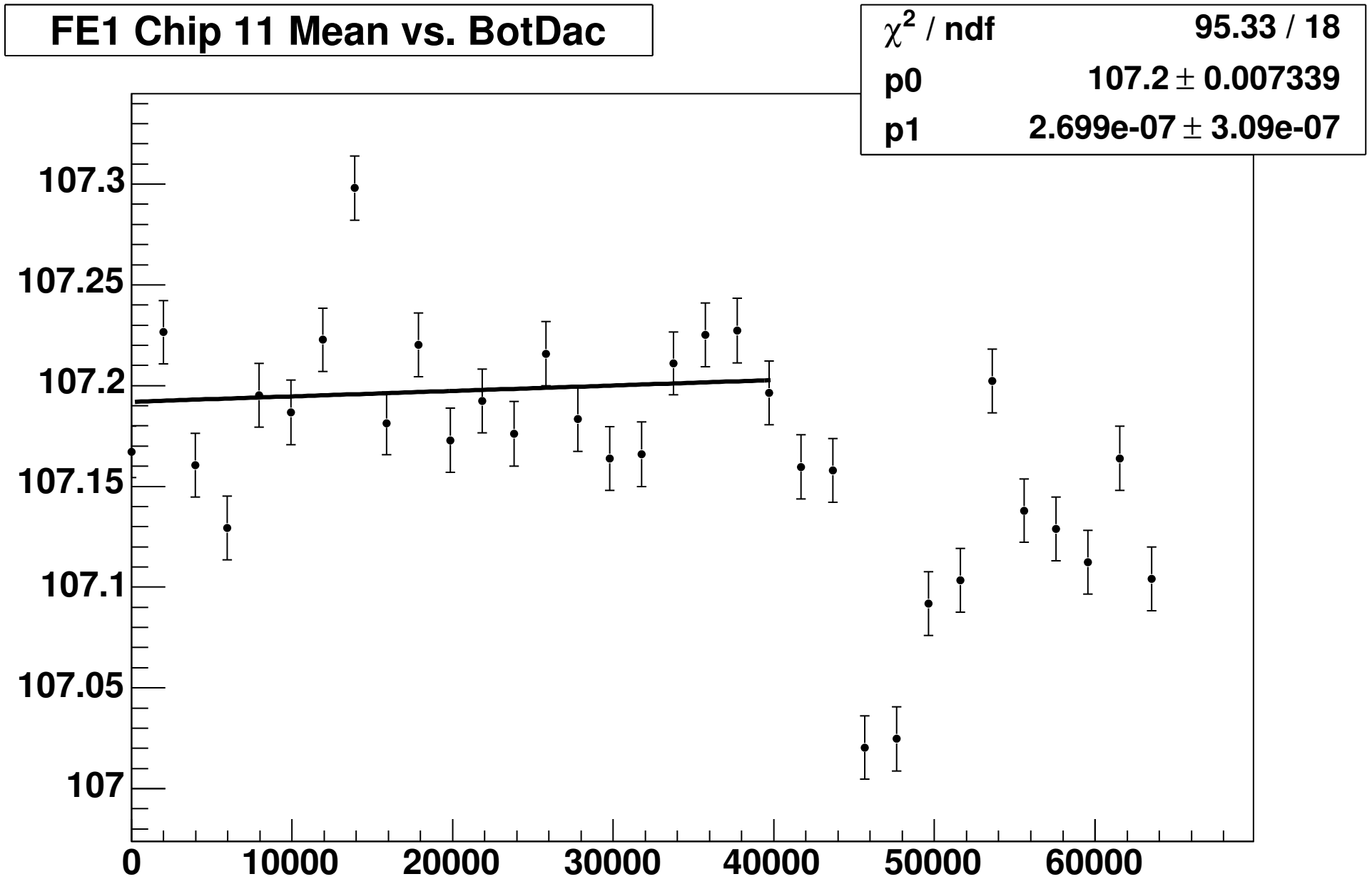
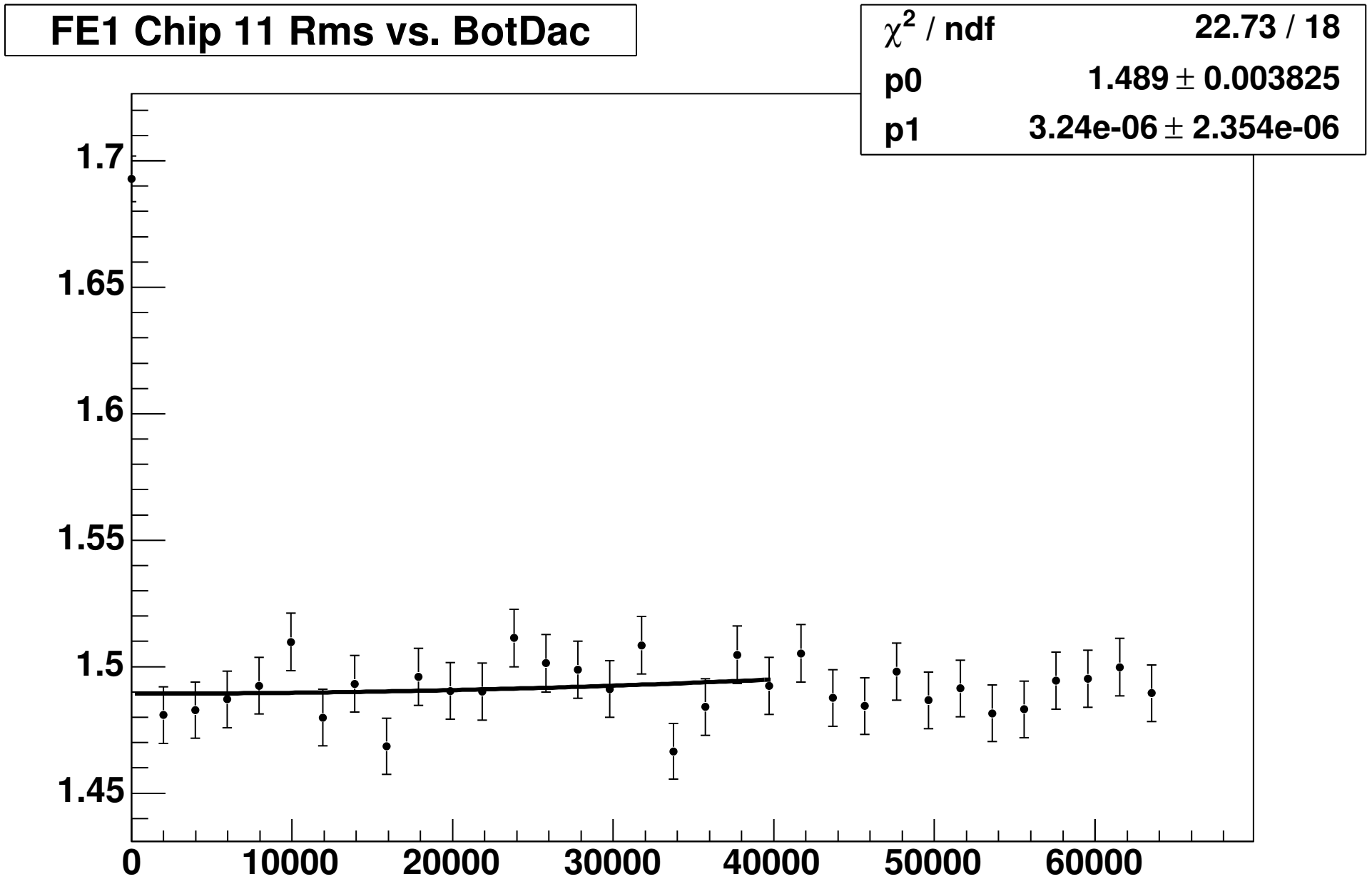
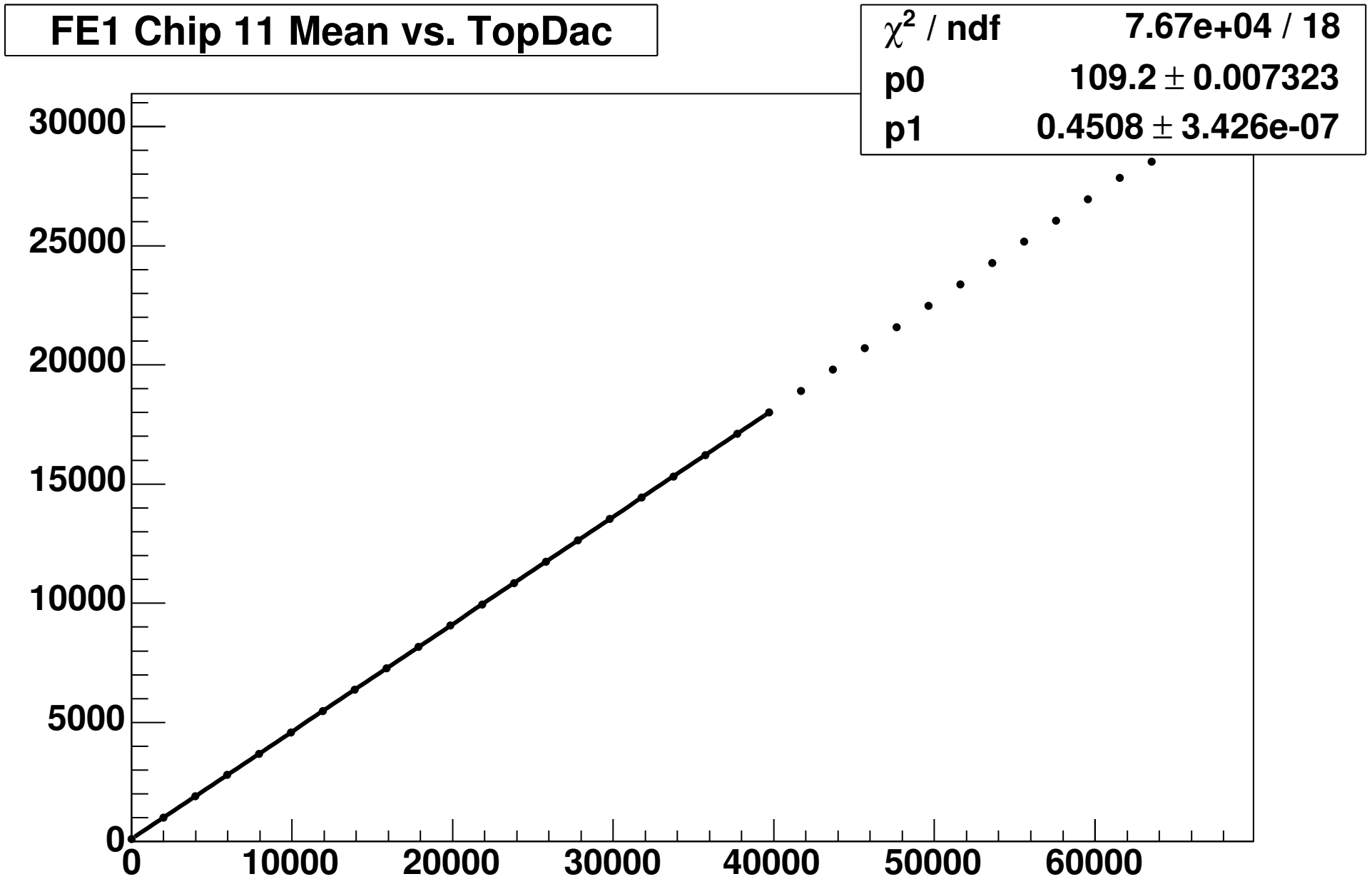
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 294.4 / 18
p0 1.368 ± 0.003978
p1 3.518e-05 ± 2.797e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 95.33 / 18
p0 107.2 ± 0.007339
p1 2.699e-07 ± 3.09e-07
107.3
107.25
107.2
107.15
107.1
107.05
107
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 22.73 / 18
p0 1.489 ± 0.003825
p1 3.24e-06 ± 2.354e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 7.67e+04 / 18
p0 109.2 ± 0.007323
p1 0.4508 ± 3.426e-07
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25000
20000
15000
10000
5000
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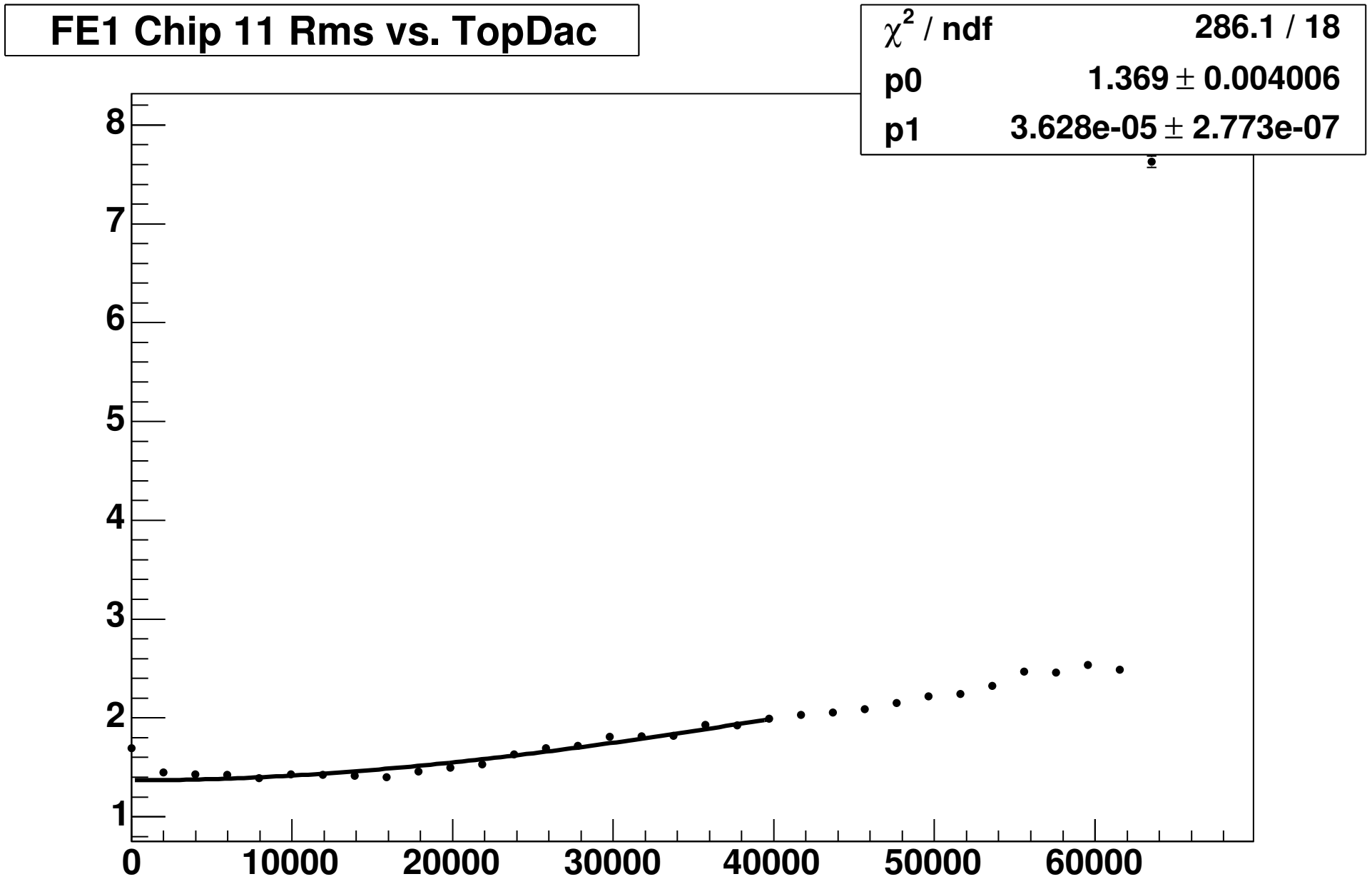
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 286.1 / 18
p0 1.369 ± 0.004006
p1 3.628e-05 ± 2.773e-07
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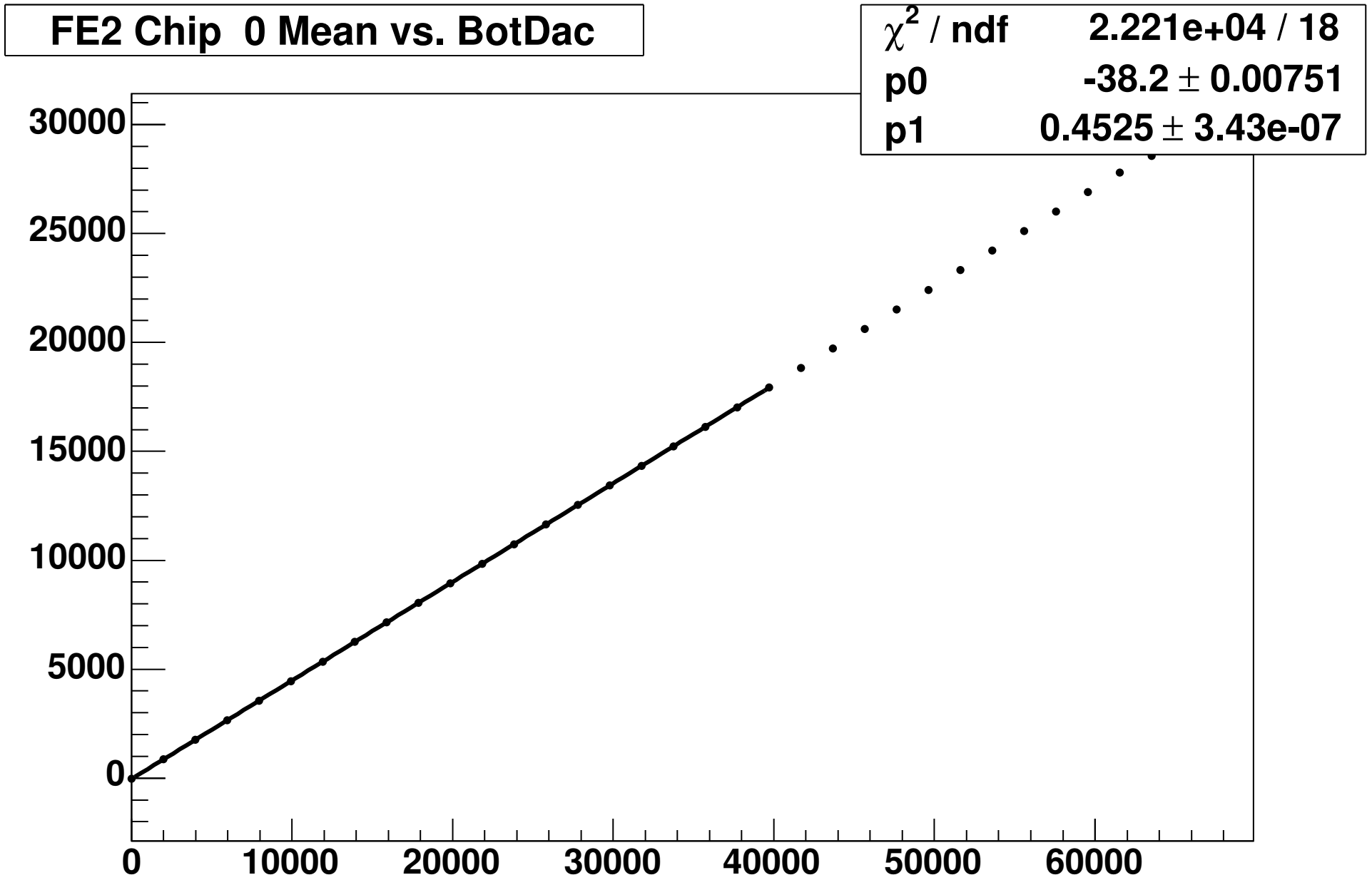
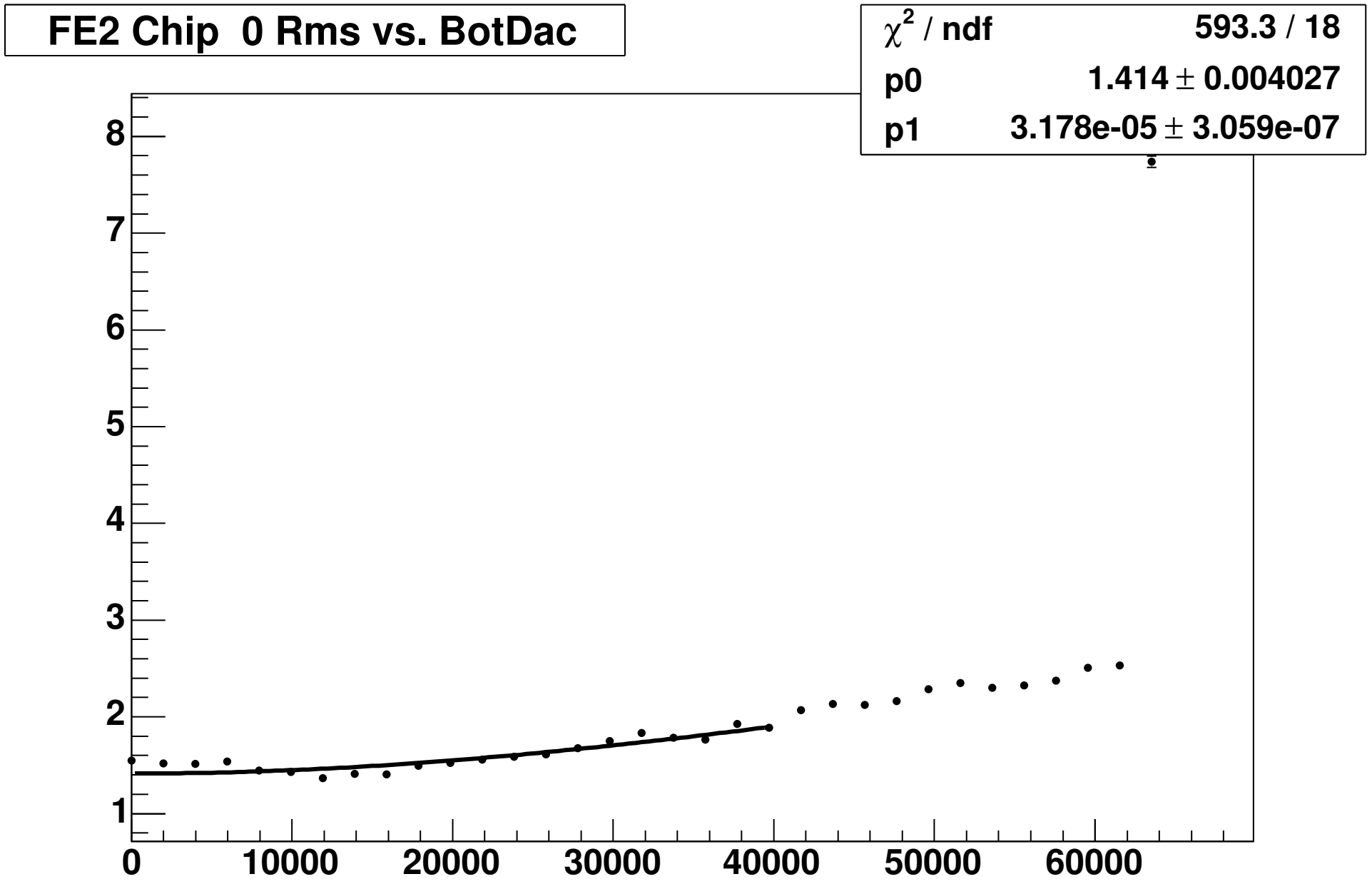
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 2.221e+04 / 18
p0 -38.2 ± 0.00751
p1 0.4525 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 593.3 / 18
p0 1.414 ± 0.004027
p1 3.178e-05 ± 3.059e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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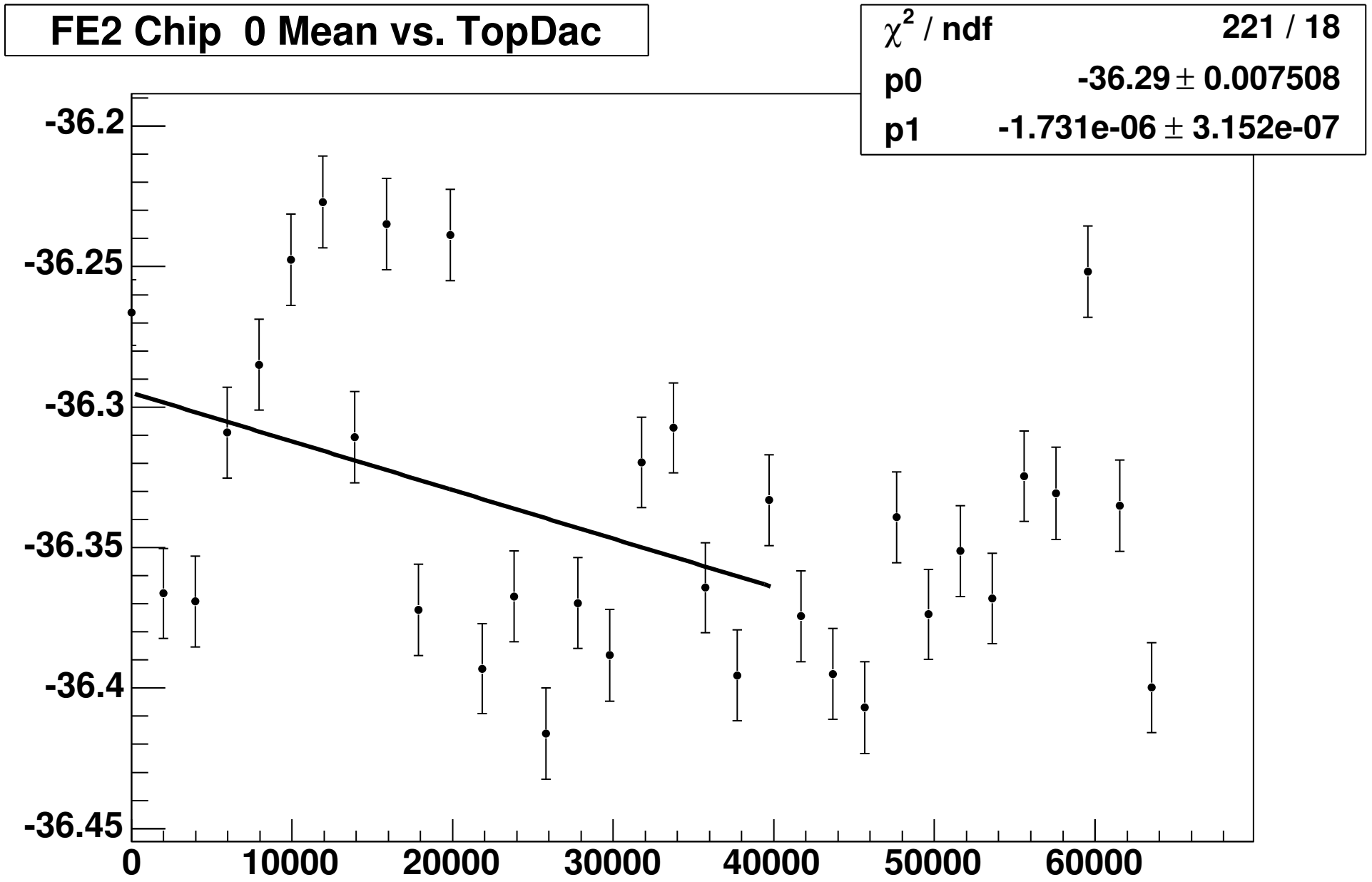
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 221 / 18
p0 -36.29 ± 0.007508
p1 -1.731e-06 ± 3.152e-07
-36.2
-36.25
-36.3
-36.35
-36.4
-36.45
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10000
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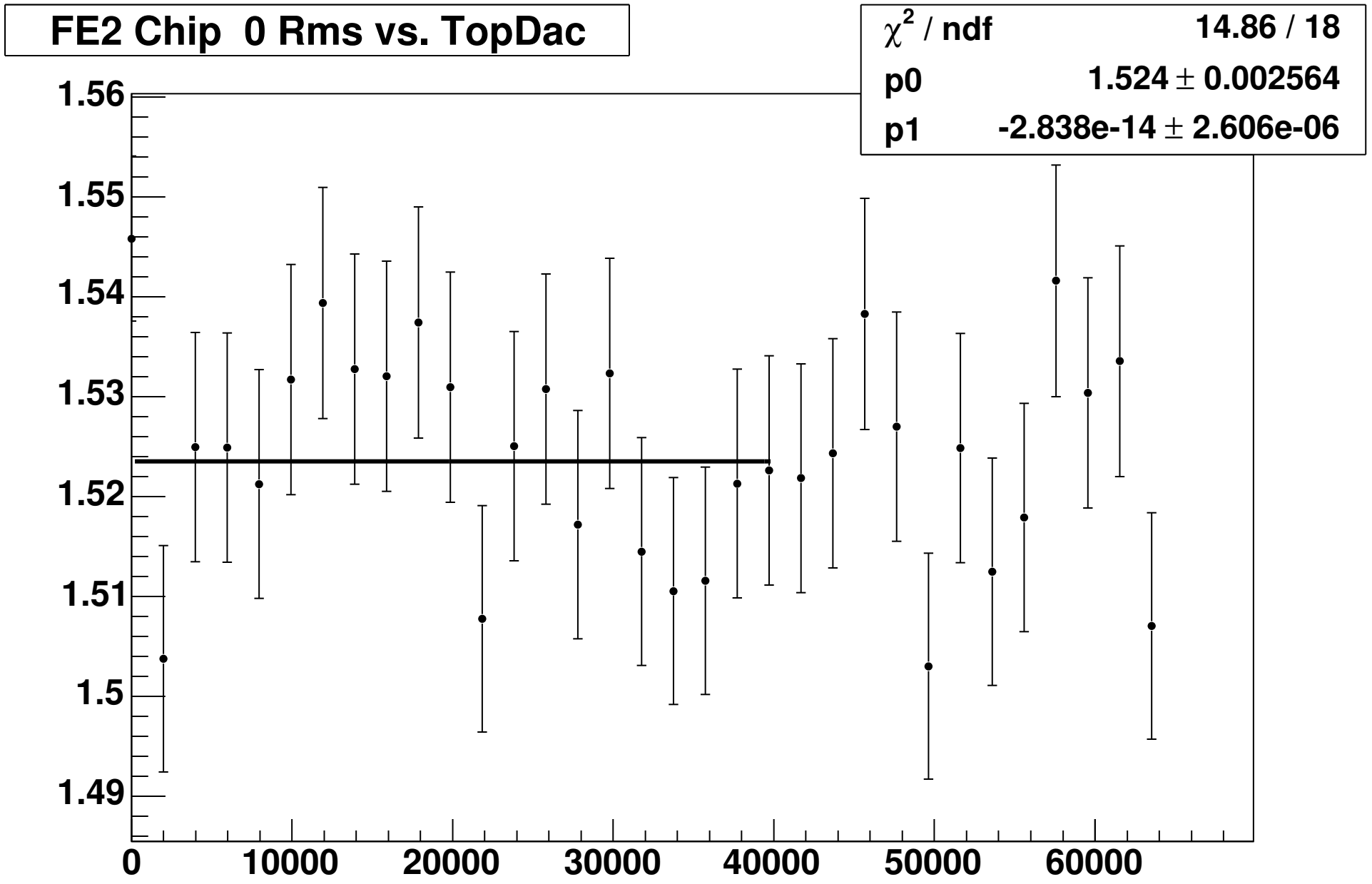
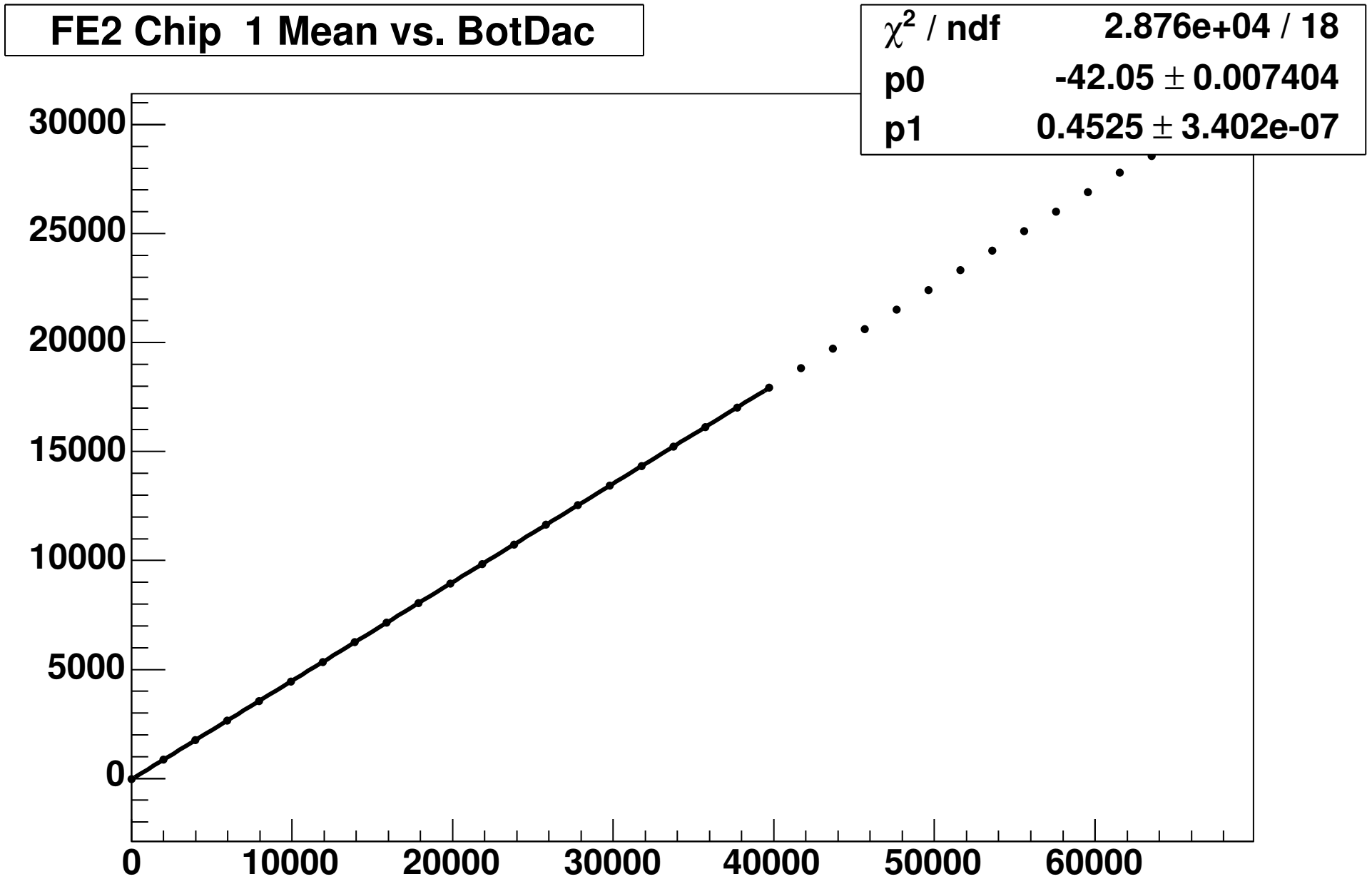
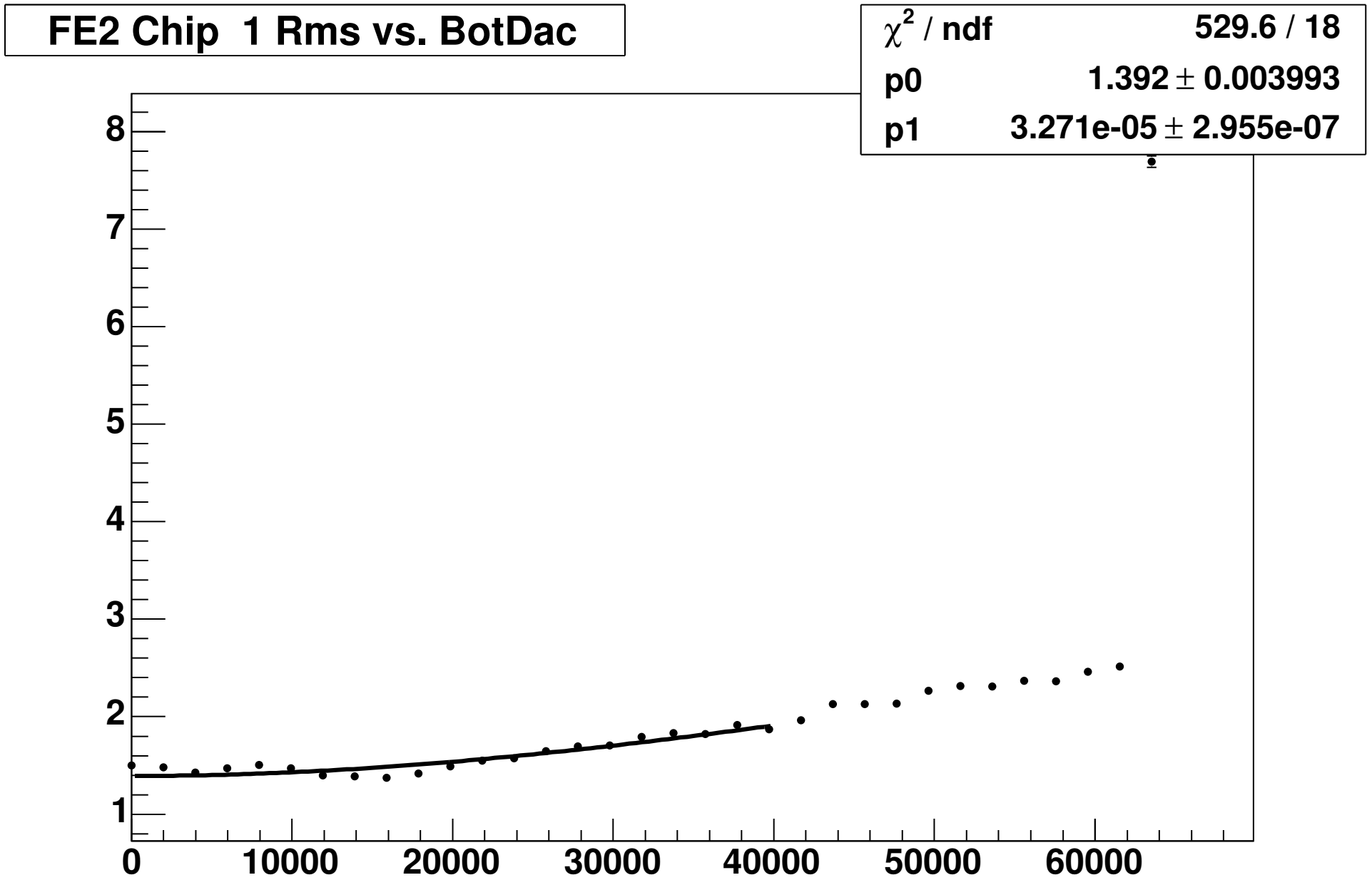
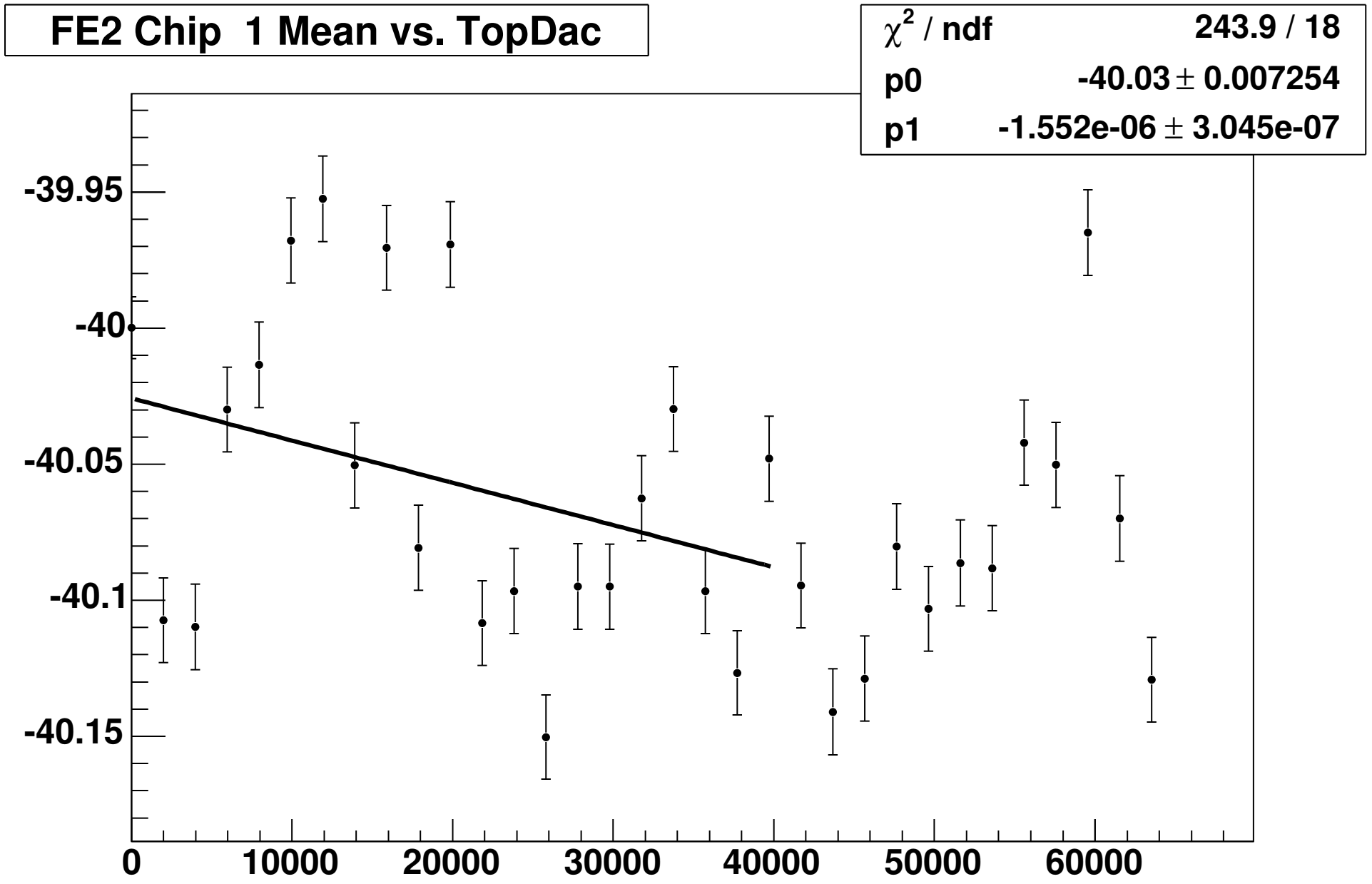
30000
40000
50000
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 14.86 / 18
p0 1.524 ± 0.002564
p1 -2.838e-14 ± 2.606e-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 1 Mean vs. BotDac
χ² / ndf 2.876e+04 / 18
p0 -42.05 ± 0.007404
p1 0.4525 ± 3.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 529.6 / 18
p0 1.392 ± 0.003993
p1 3.271e-05 ± 2.955e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 243.9 / 18
p0 -40.03 ± 0.007254
p1 -1.552e-06 ± 3.045e-07
-39.95
-40
-40.05
-40.1
-40.15
0
10000
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30000
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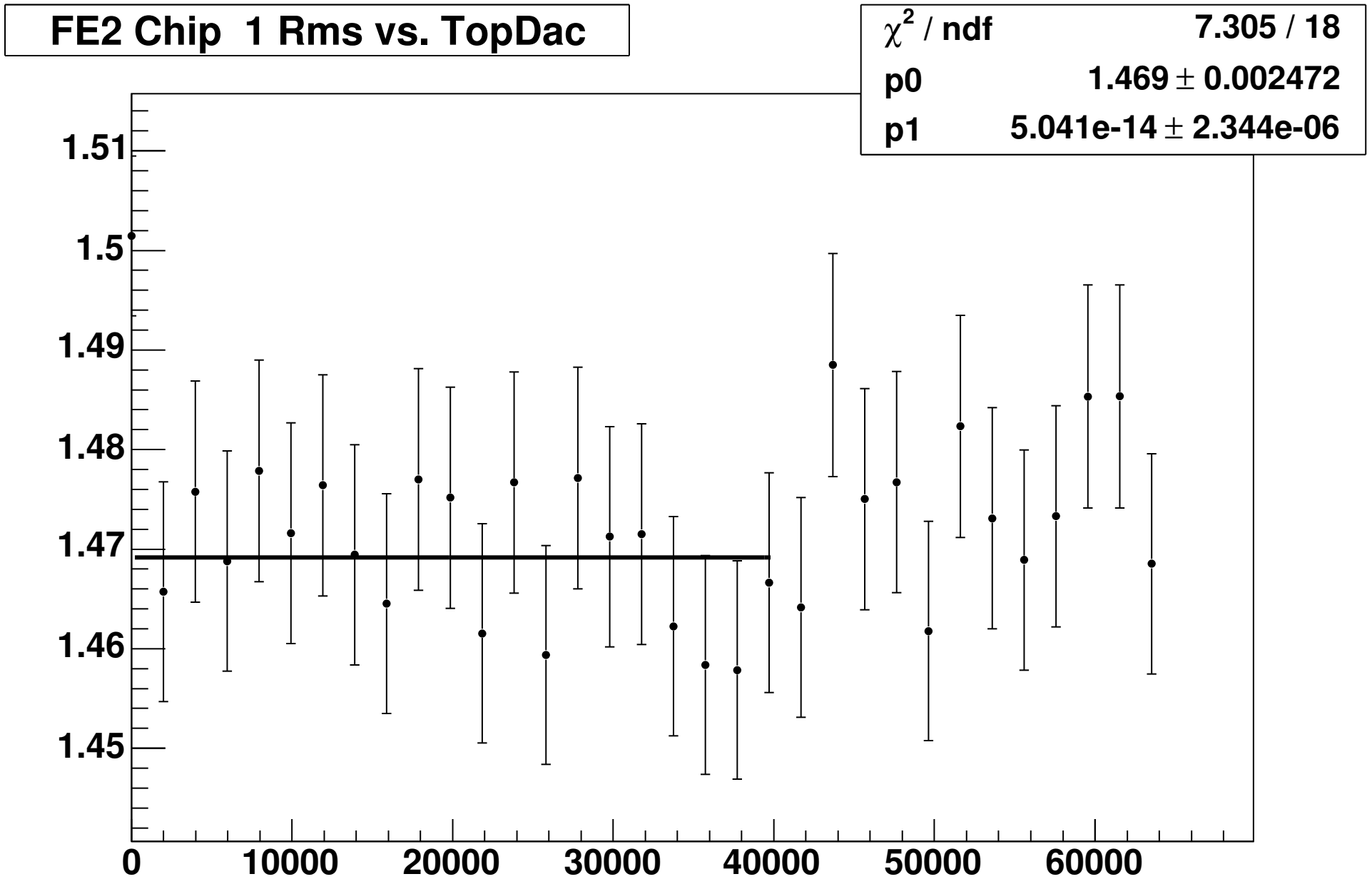
50000
60000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 7.305 / 18
p0 1.469 ± 0.002472
p1 5.041e-14 ± 2.344e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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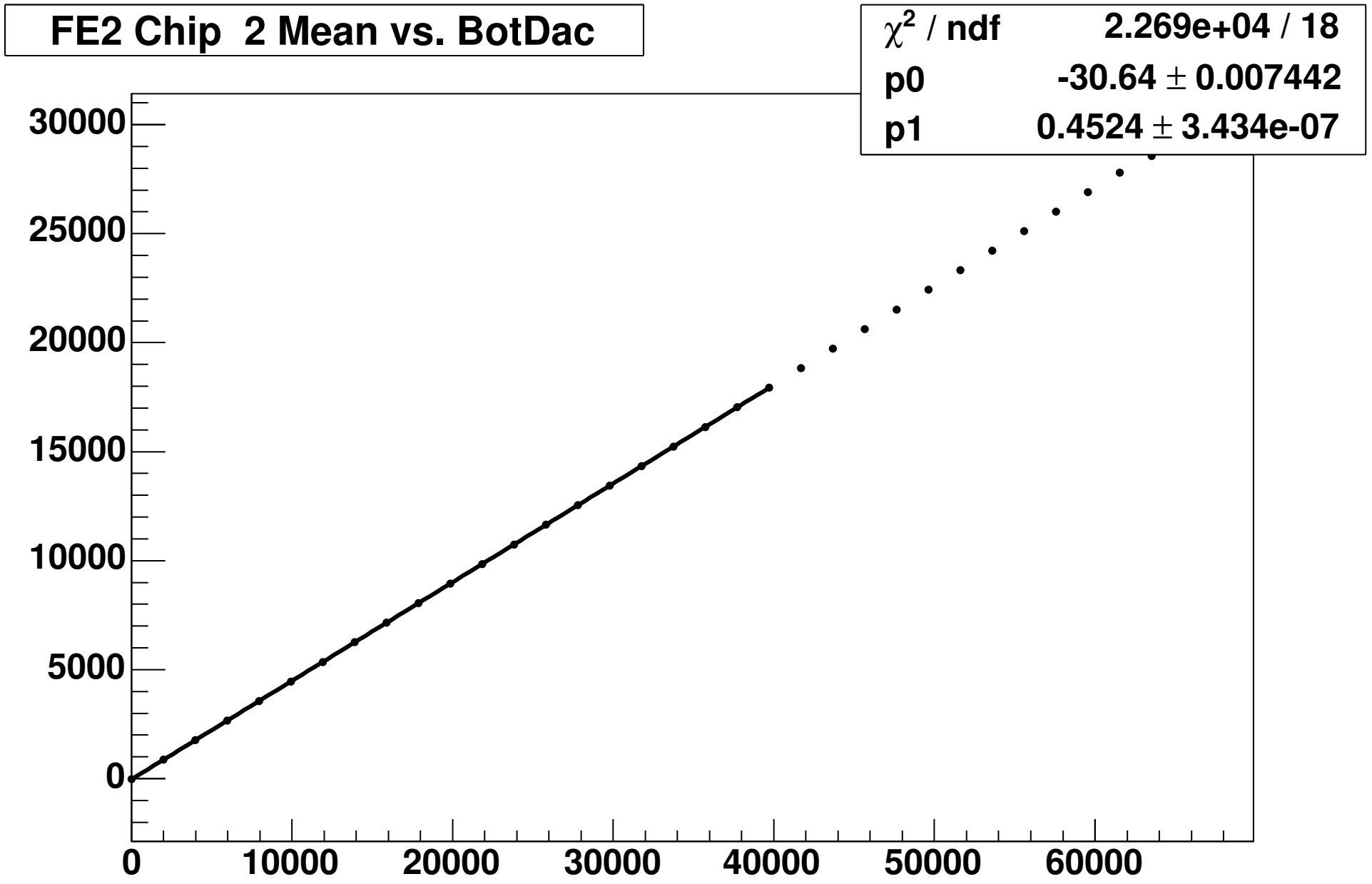
30000
40000
50000
60000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 2.269e+04 / 18
p0 -30.64 ± 0.007442
p1 0.4524 ± 3.434e-07
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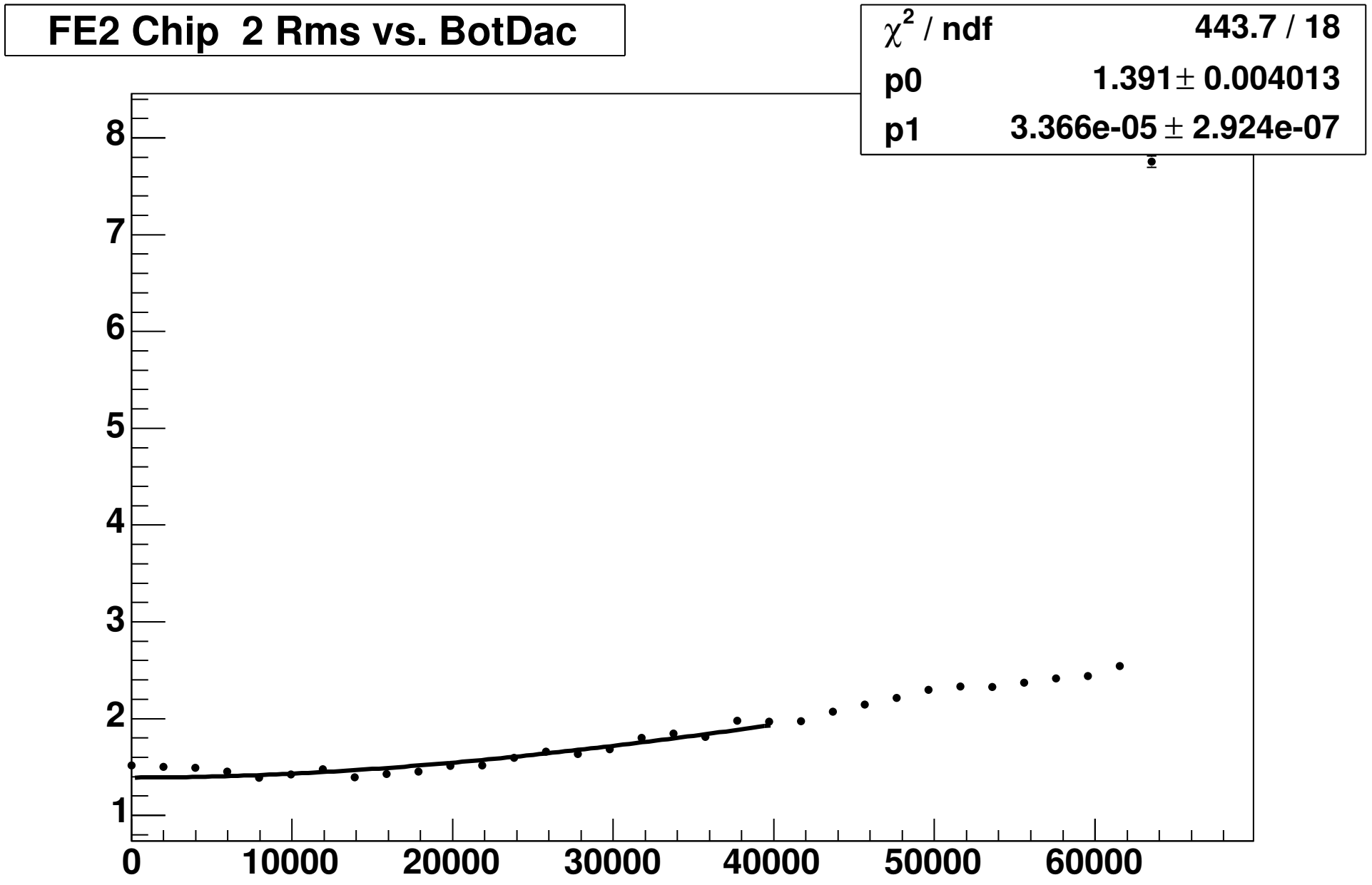
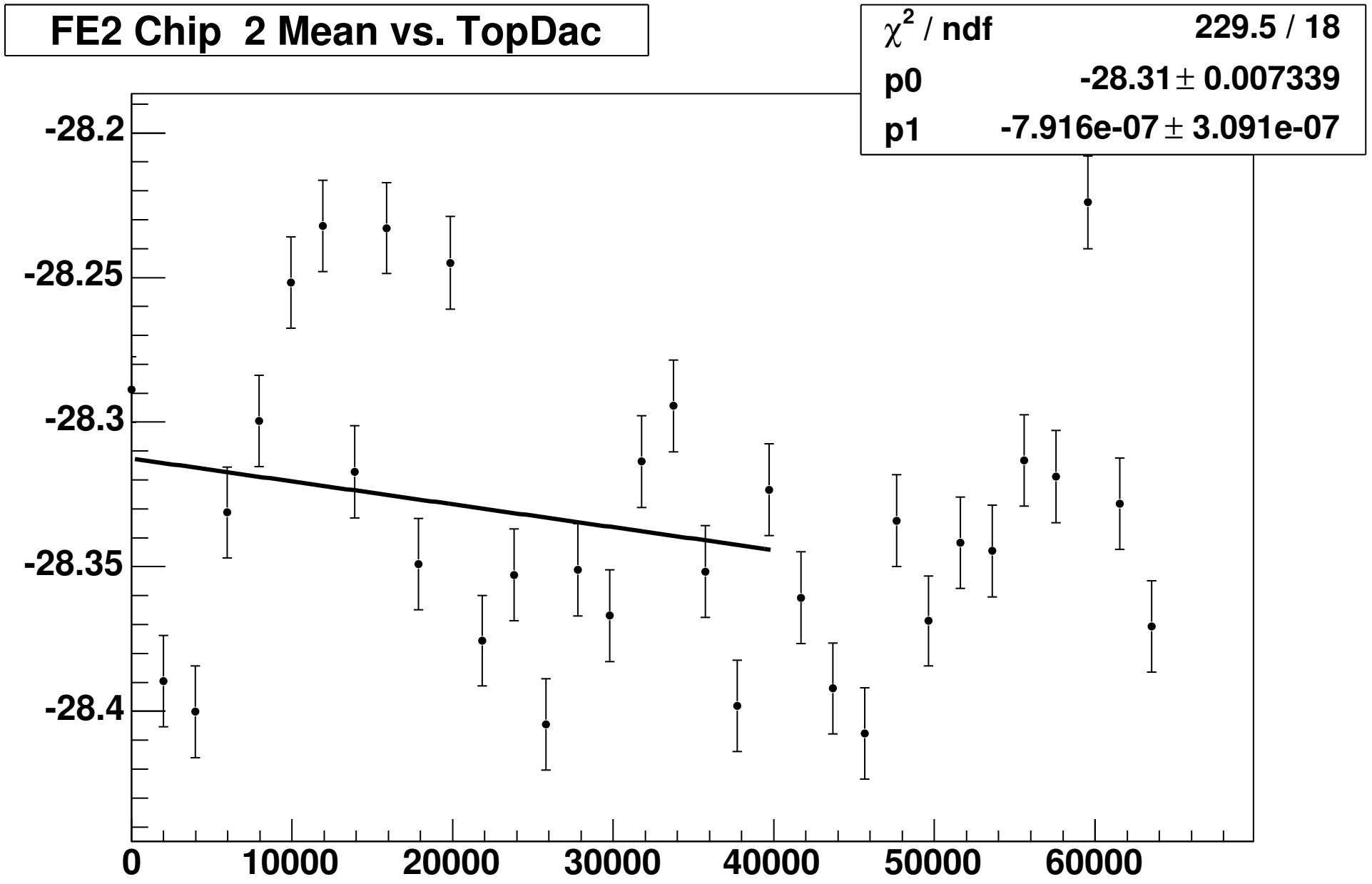
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 443.7 / 18
p0 1.391 ± 0.004013
p1 3.366e-05 ± 2.924e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 229.5 / 18
p0 -28.31 ± 0.007339
p1 -7.916e-07 ± 3.091e-07
-28.2
-28.25
-28.3
-28.35
-28.4
0
10000
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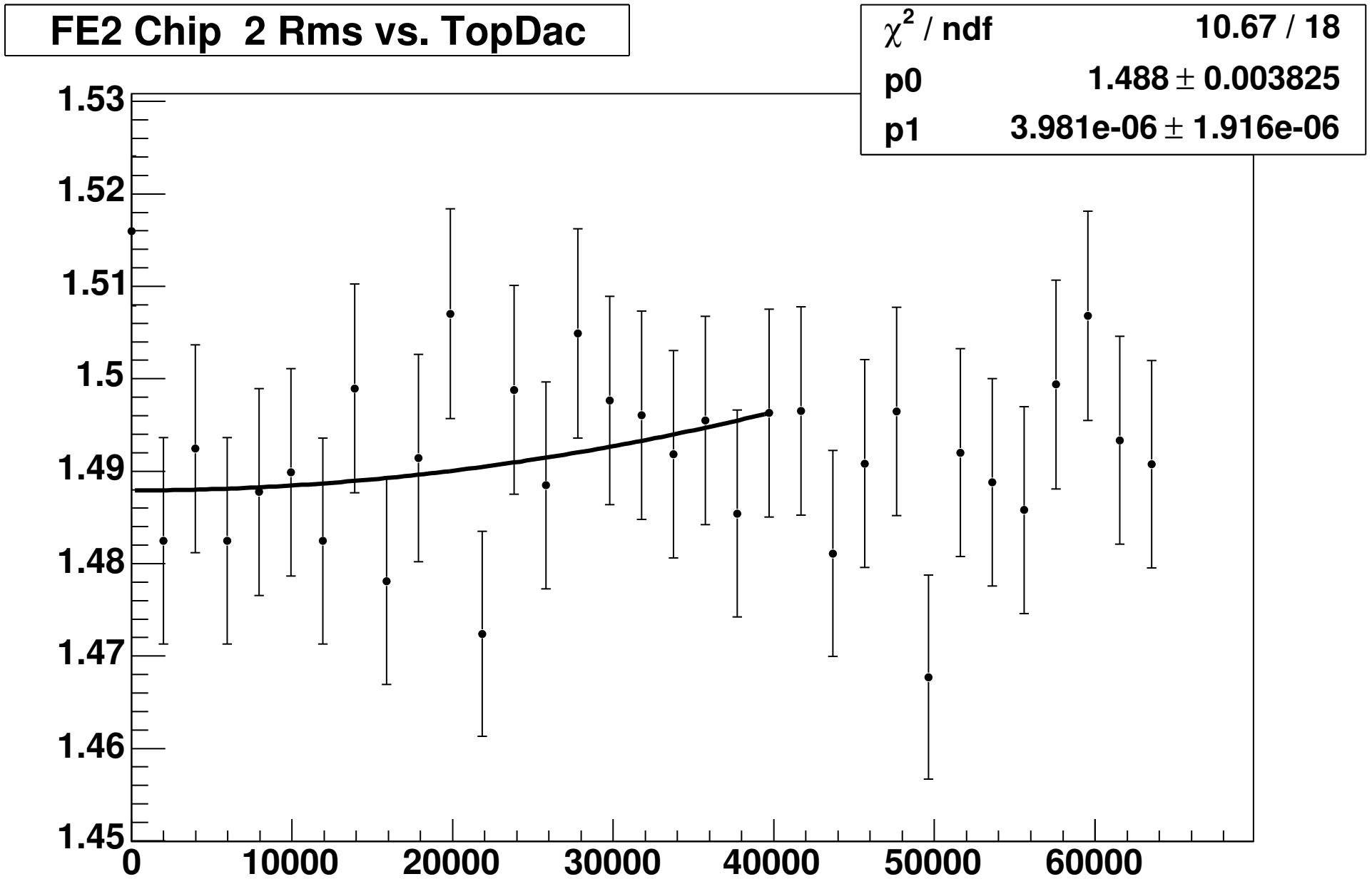
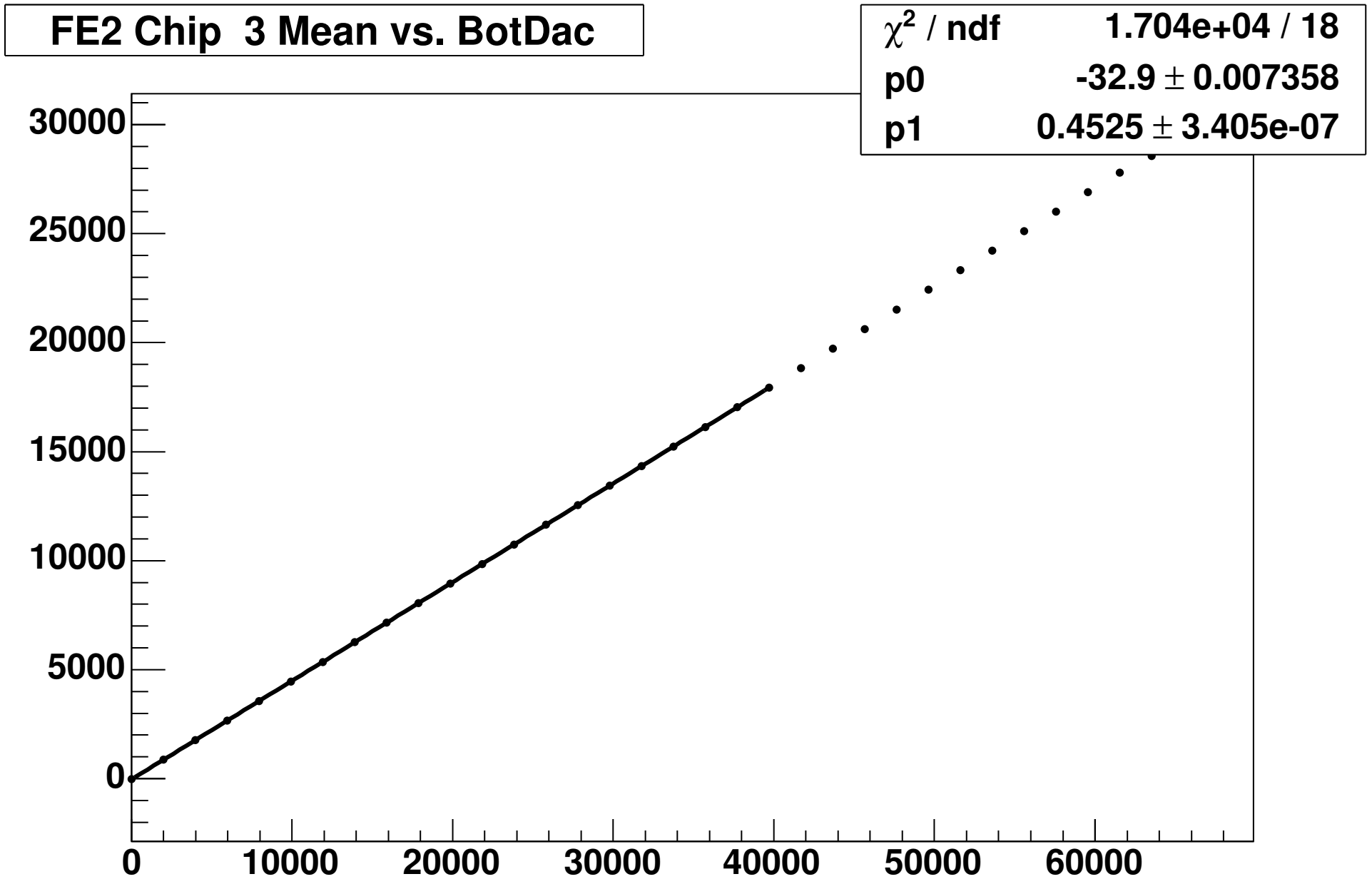
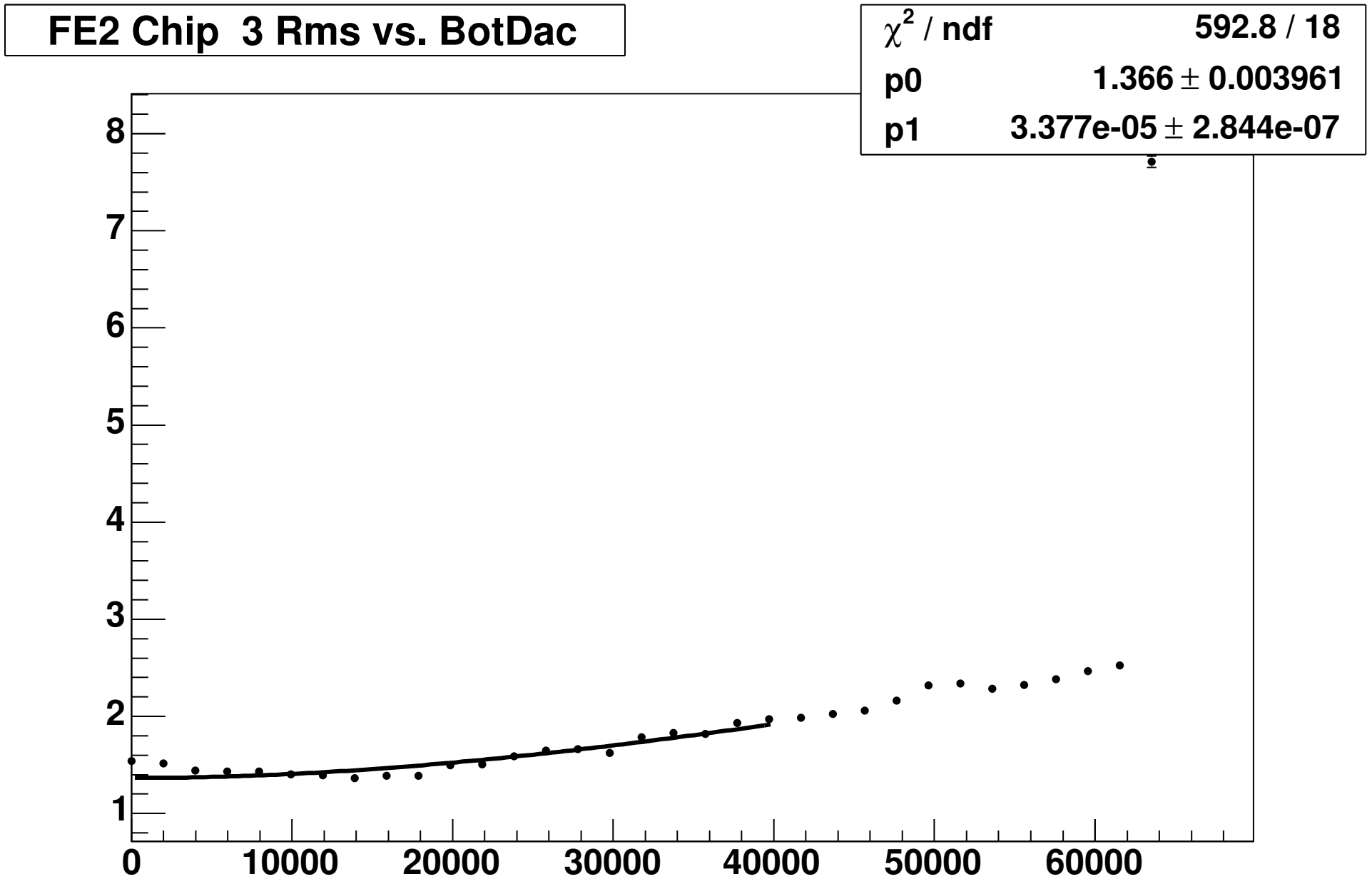
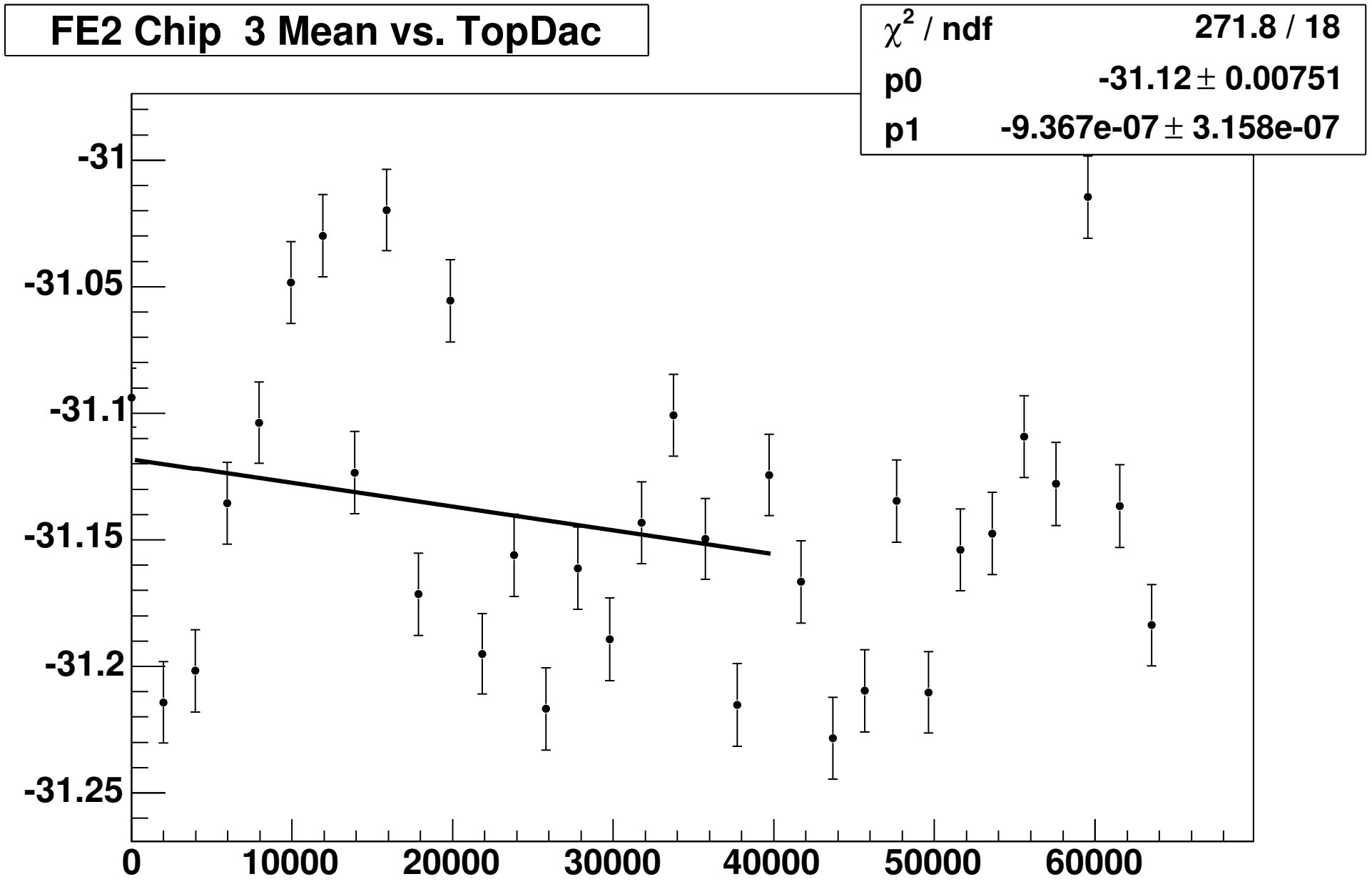
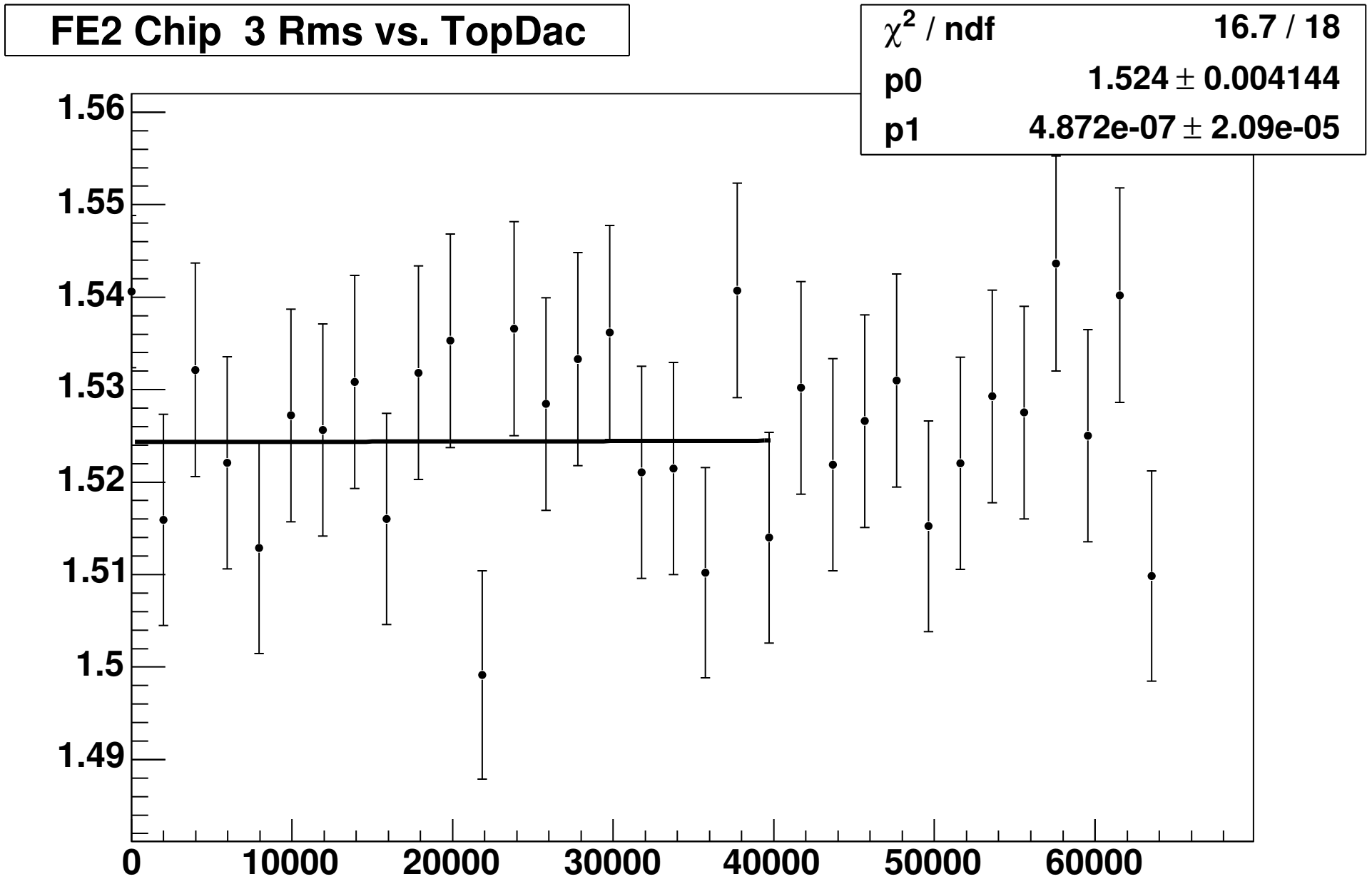
30000
40000
50000
60000

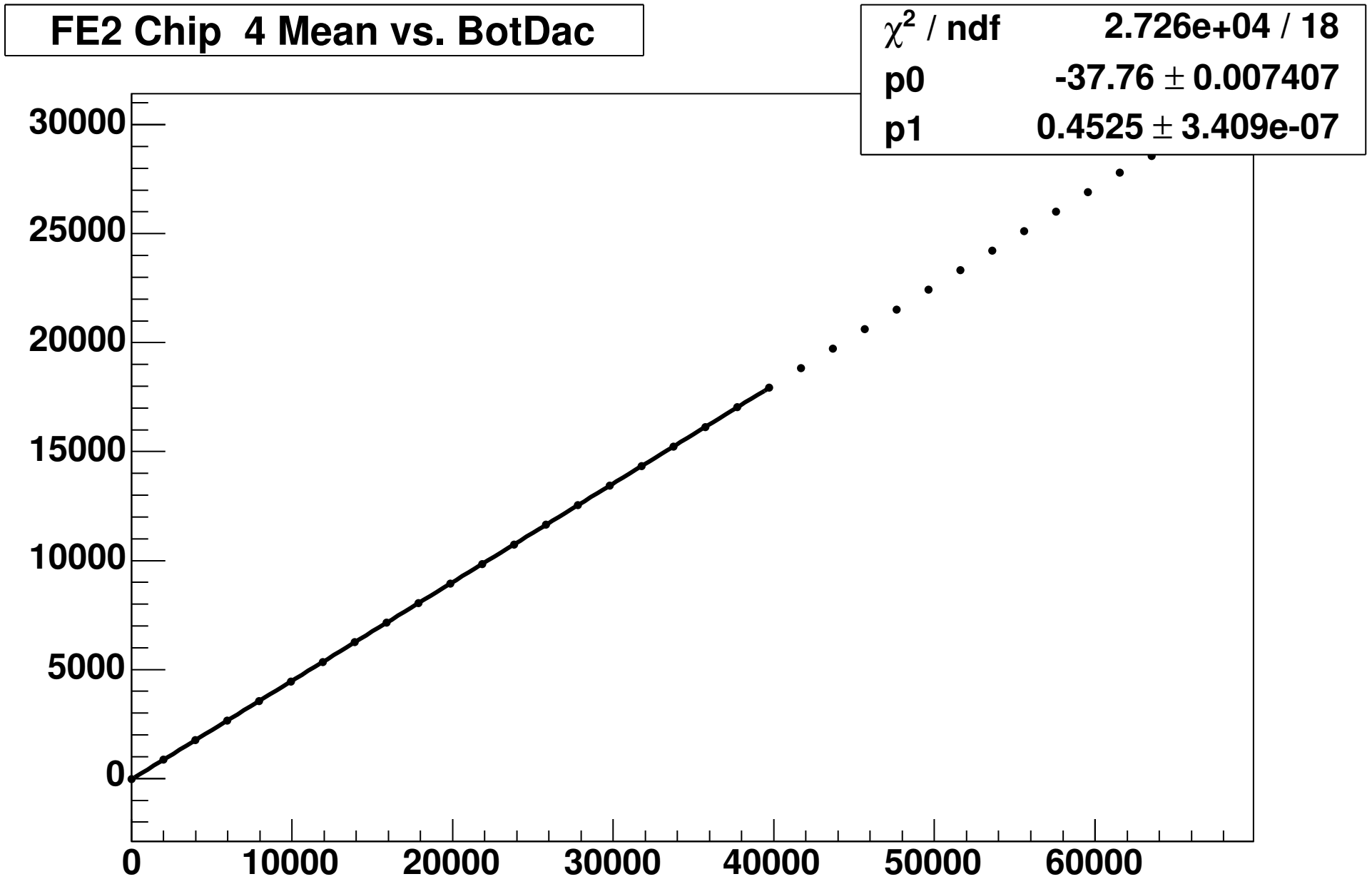

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 10.67 / 18
p0 1.488 ± 0.003825
p1 3.981e-06 ± 1.916e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

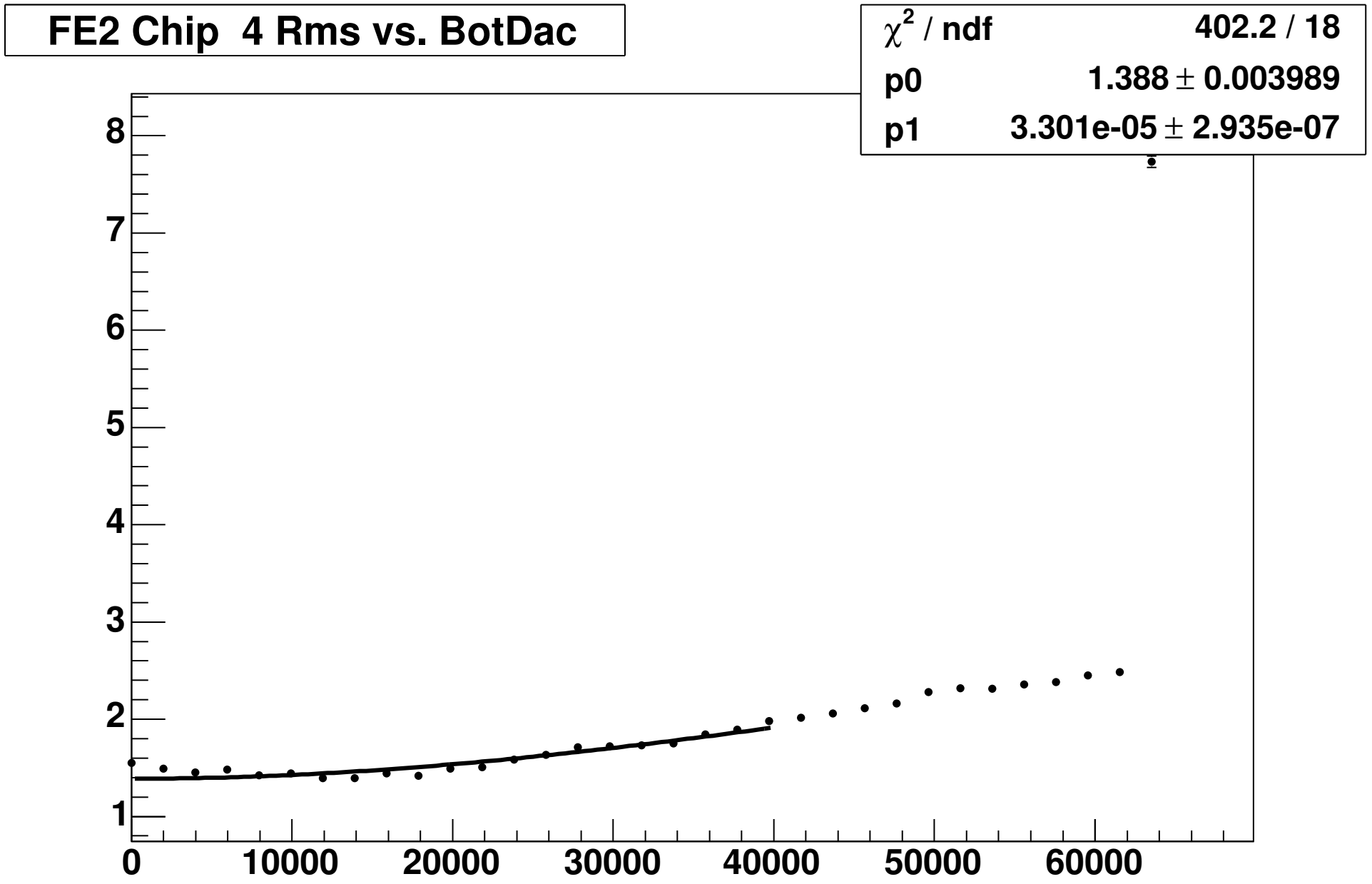

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.704e+04 / 18
p0 -32.9 ± 0.007358
p1 0.4525 ± 3.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

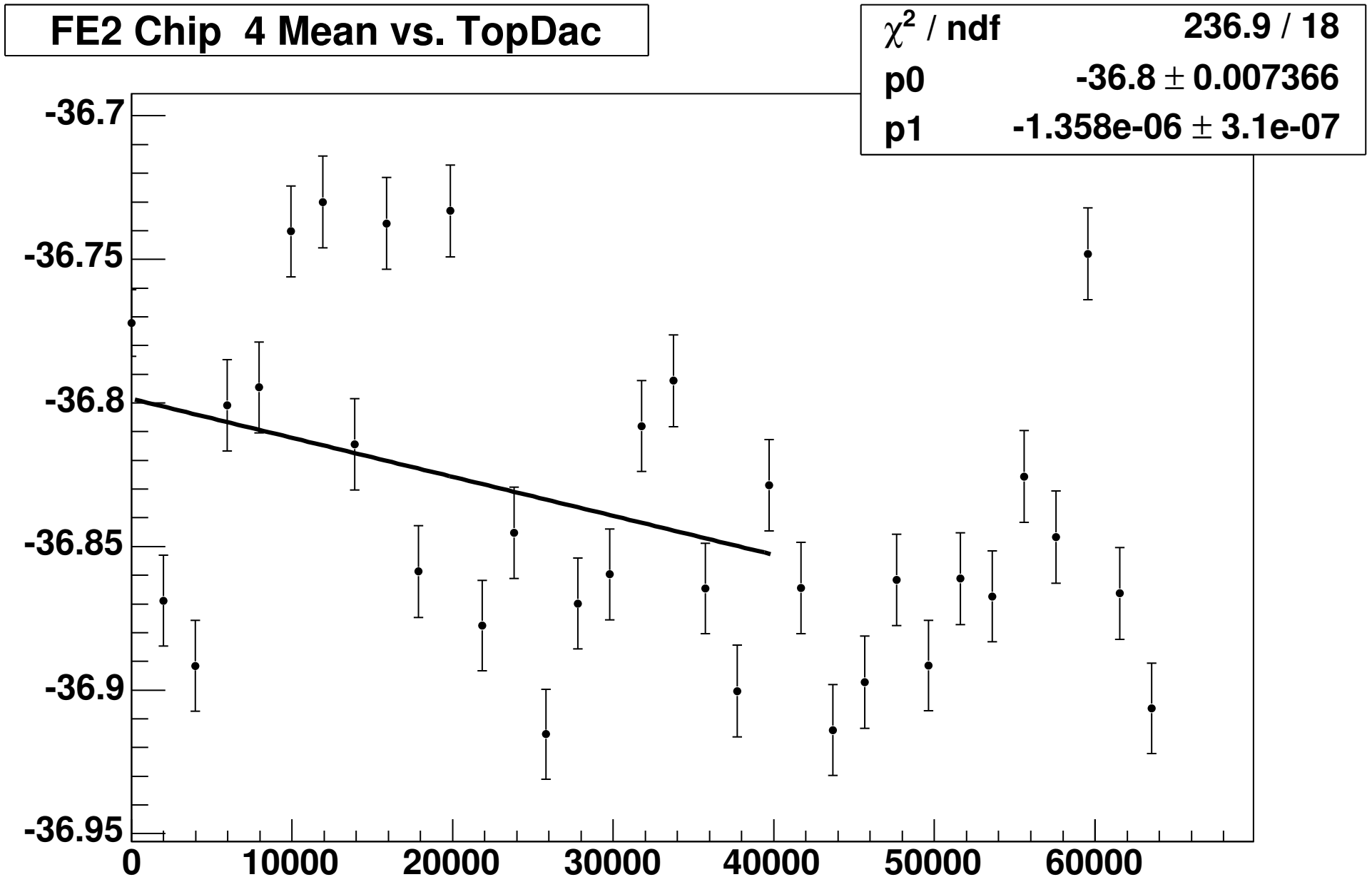

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 592.8 / 18
p0 1.366 ± 0.003961
p1 3.377e-05 ± 2.844e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

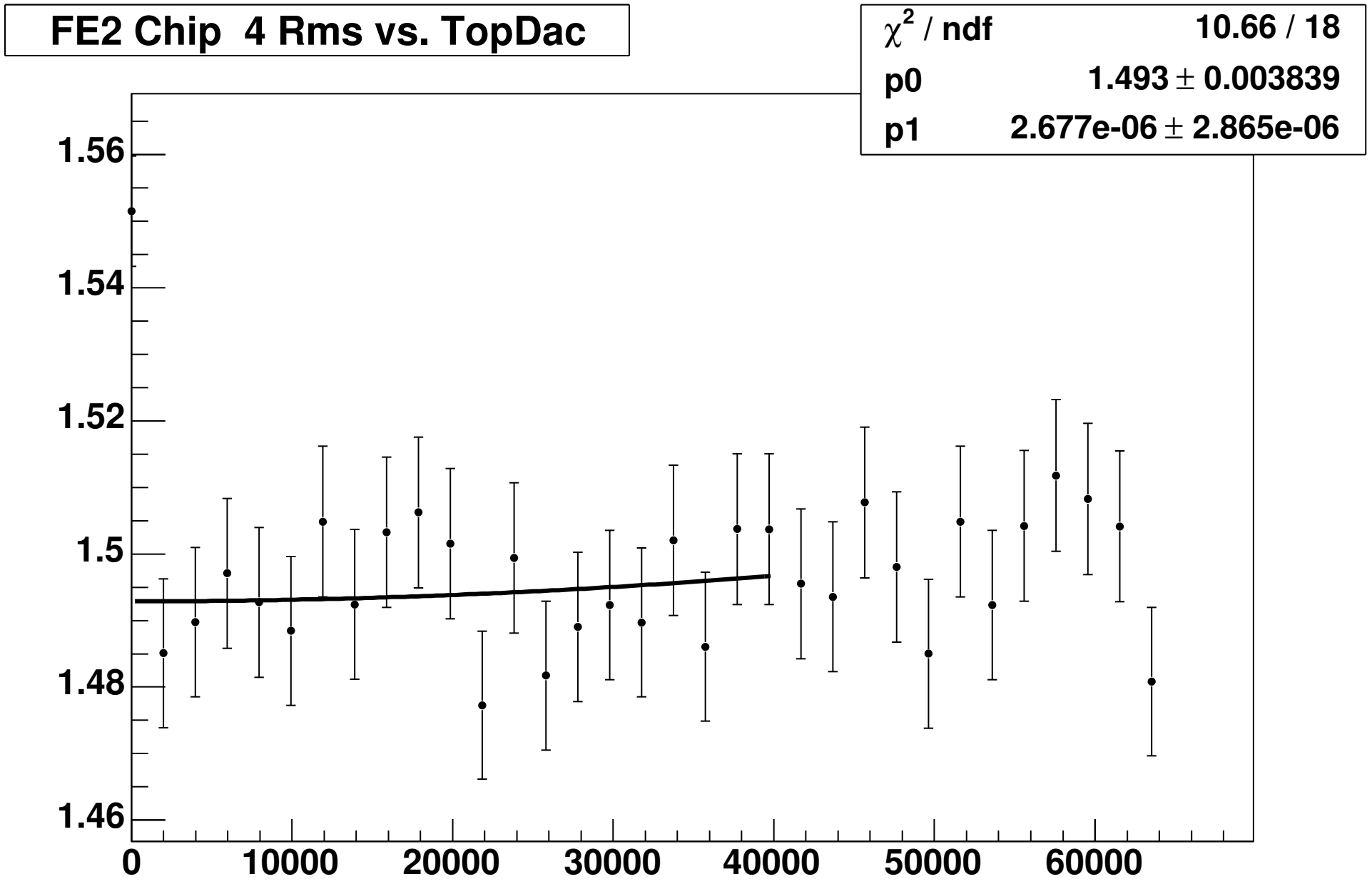

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 271.8 / 18
p0 -31.12 ± 0.00751
p1 -9.367e-07 ± 3.158e-07
-31
-31.05
-31.1
-31.15
-31.2
-31.25
0
10000
20000
30000
40000
50000
60000

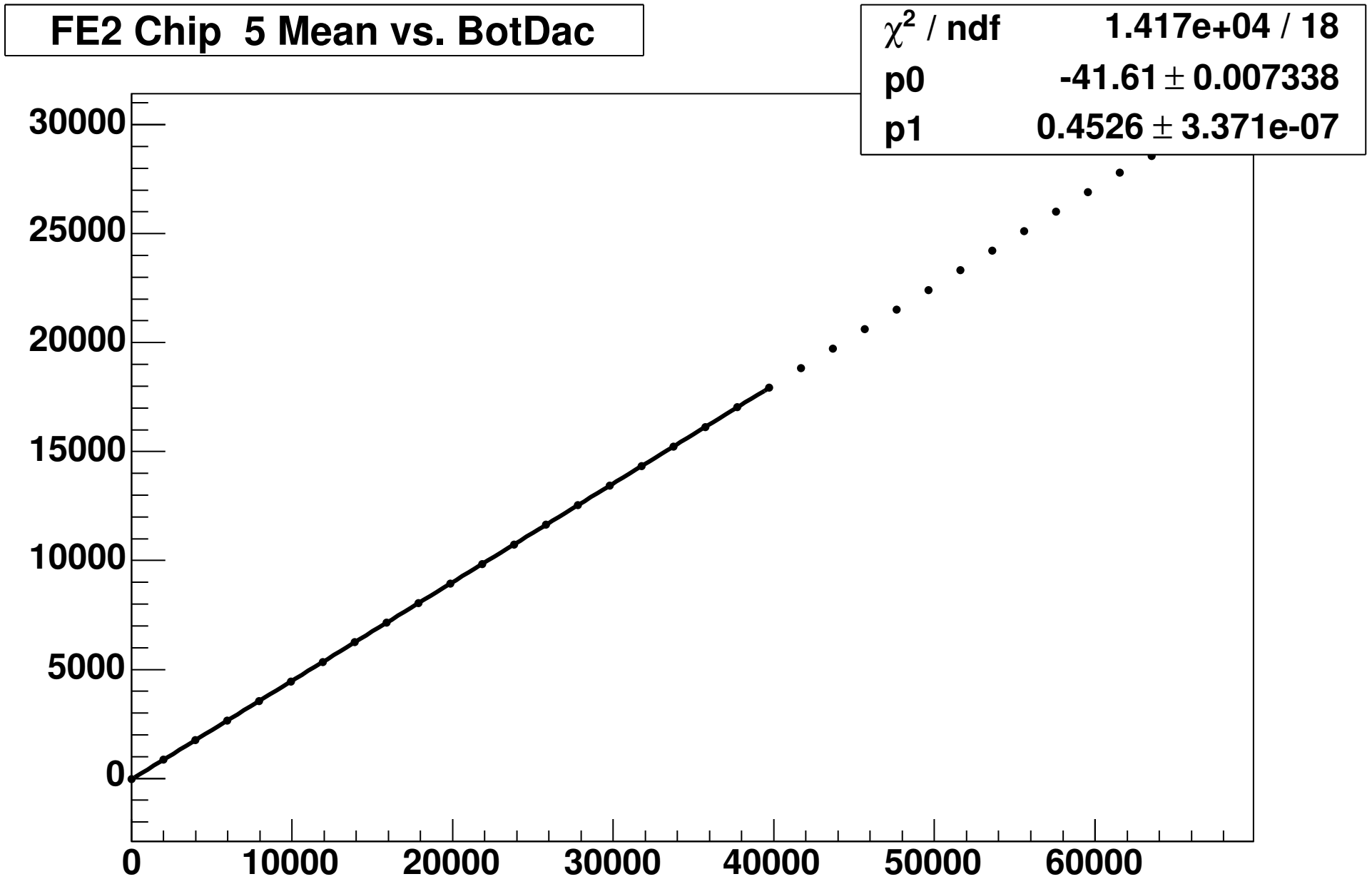

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 16.7 / 18
p0 1.524 ± 0.004144
p1 4.872e-07 ± 2.09e-05
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000

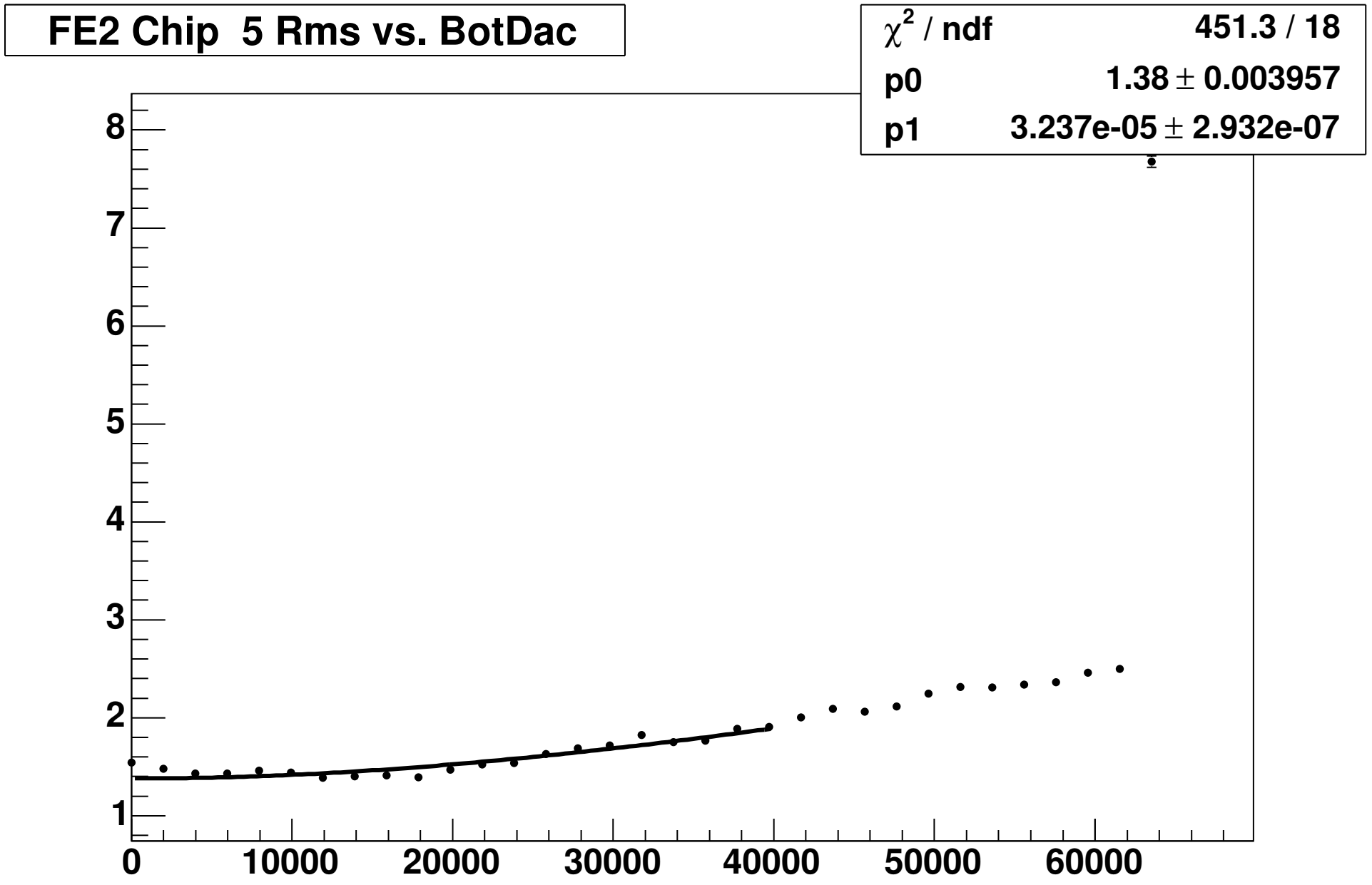

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 2.726e+04 / 18
p0 -37.76 ± 0.007407
p1 0.4525 ± 3.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

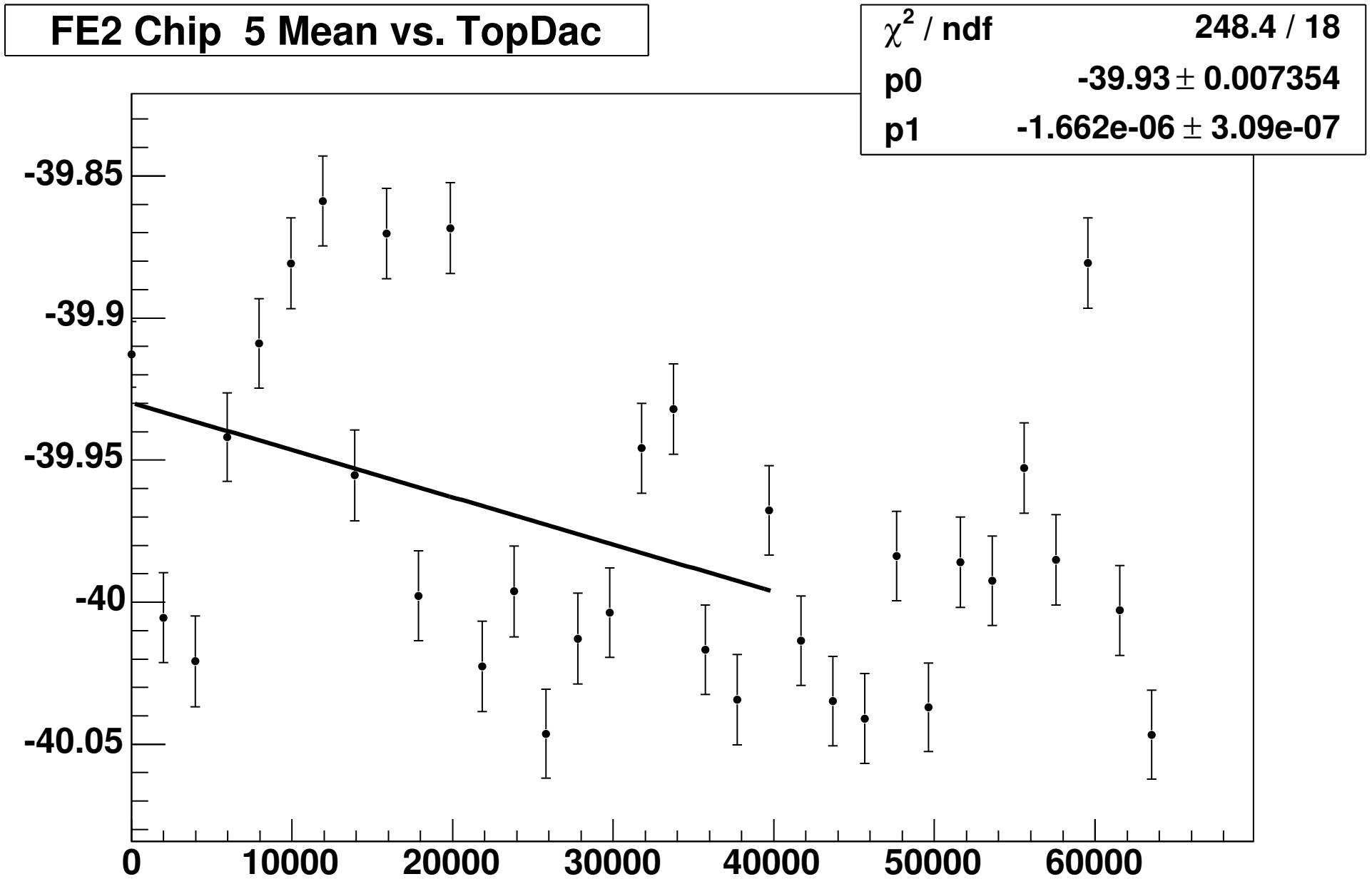

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 402.2 / 18
p0 1.388 ± 0.003989
p1 3.301e-05 ± 2.935e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

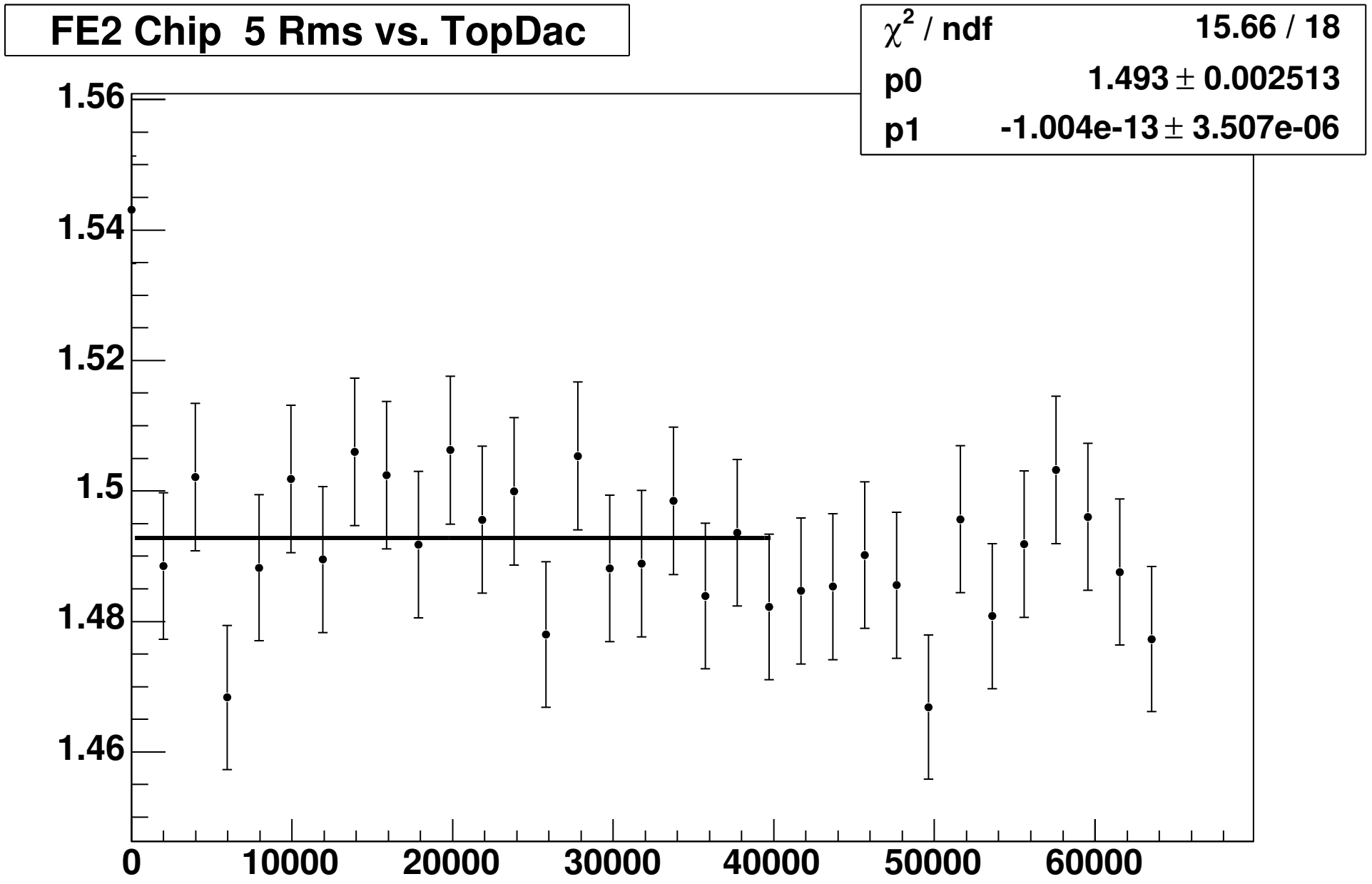

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 236.9 / 18
p0 -36.8 ± 0.007366
p1 -1.358e-06 ± 3.1e-07
-36.7
-36.75
-36.8
-36.85
-36.9
-36.95
0
10000
20000
30000
40000
50000
60000

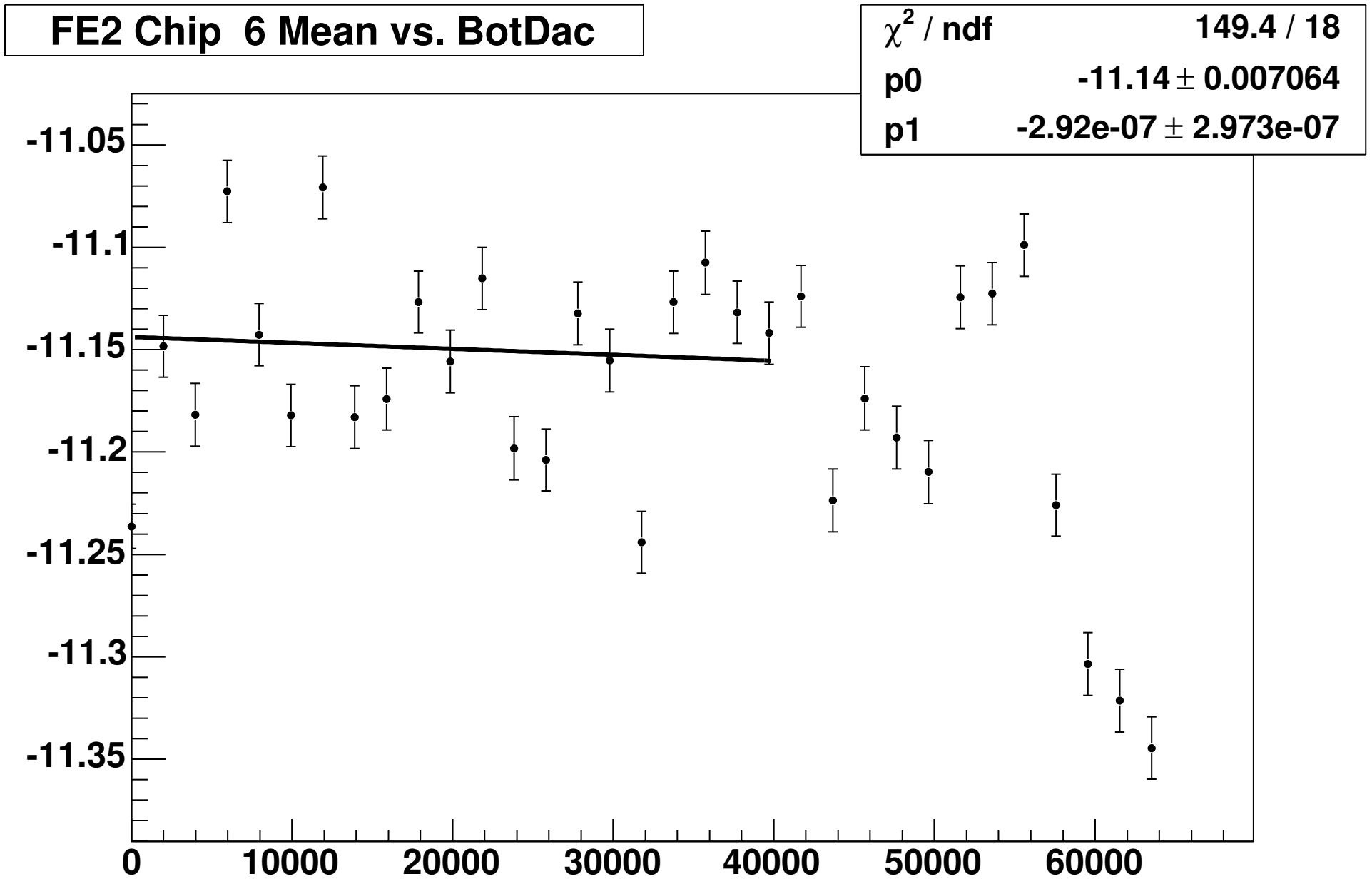

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 10.66 / 18
p0 1.493 ± 0.003839
p1 2.677e-06 ± 2.865e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

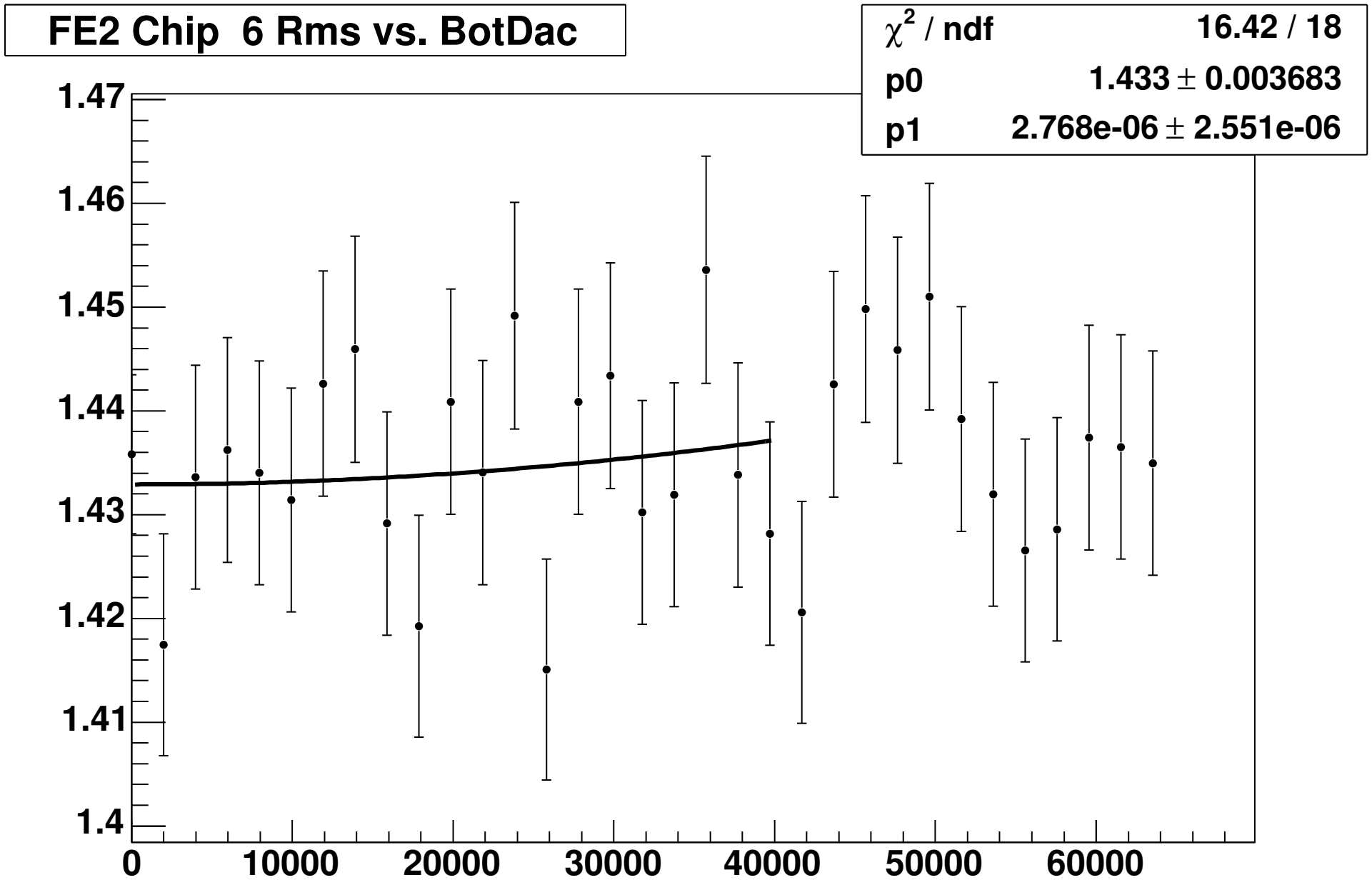

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.417e+04 / 18
p0 -41.61 ± 0.007338
p1 0.4526 ± 3.371e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

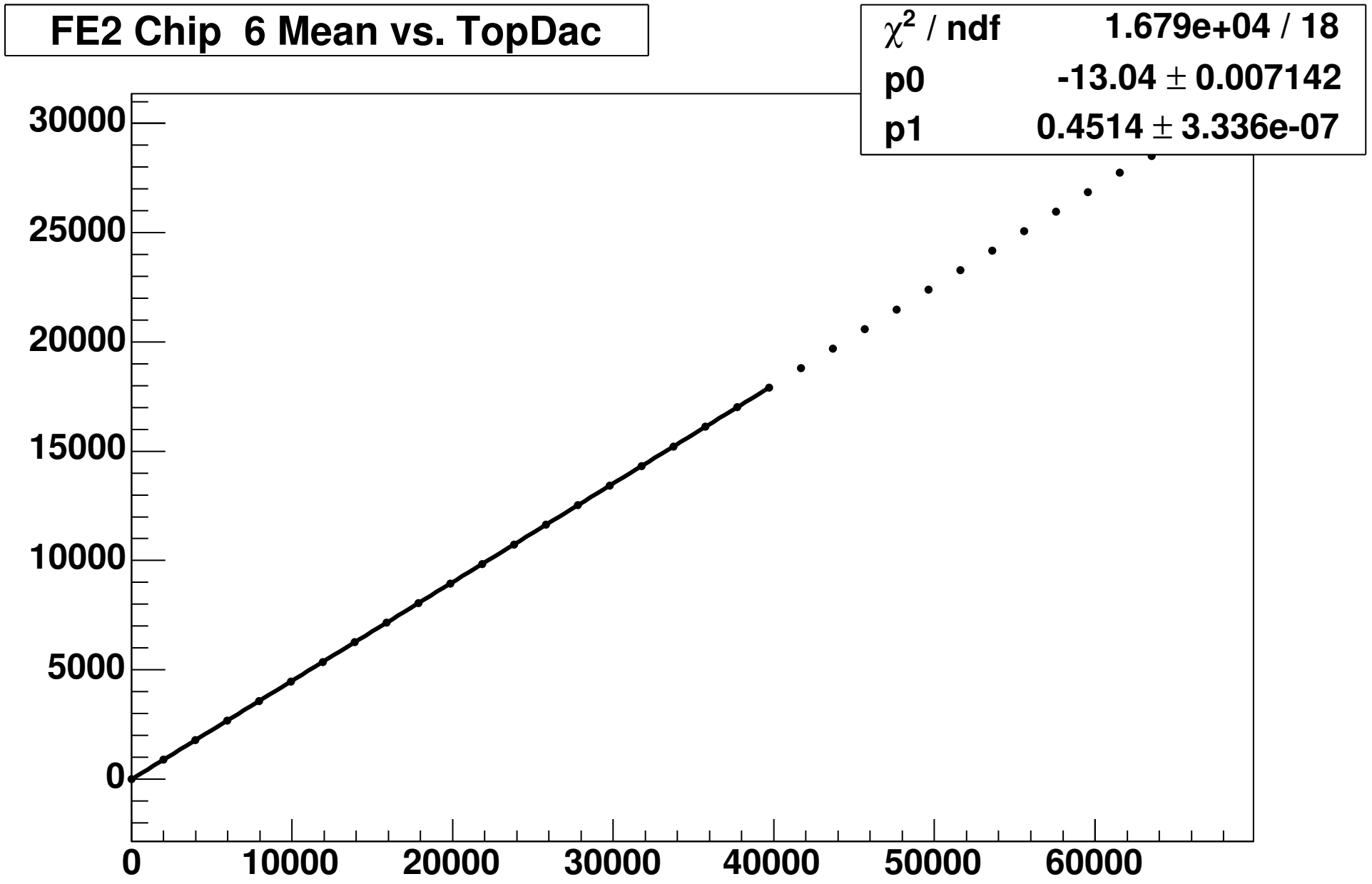

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 451.3 / 18
p0 1.38 ± 0.003957
p1 3.237e-05 ± 2.932e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

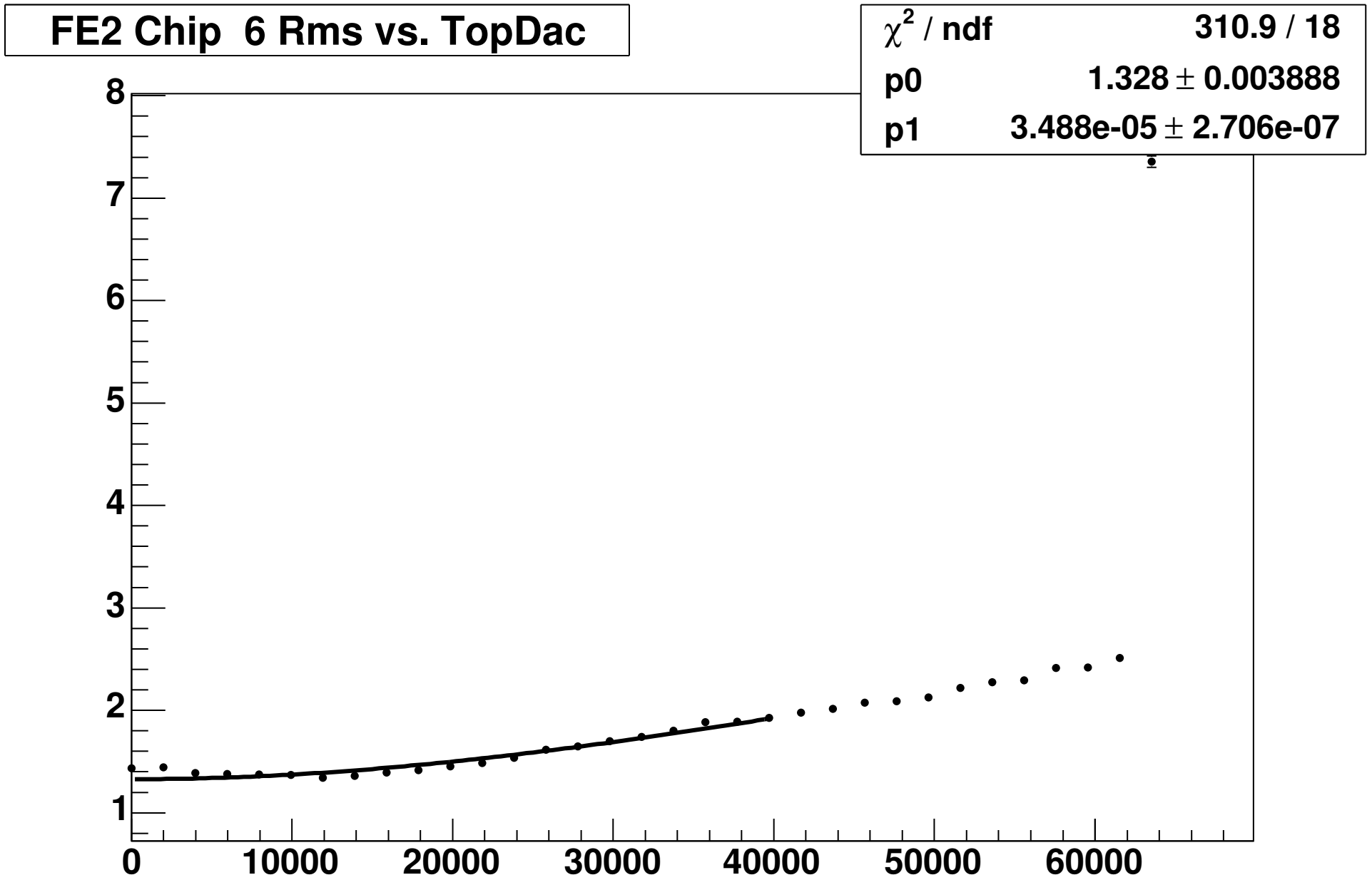

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 248.4 / 18
p0 -39.93 ± 0.007354
p1 -1.662e-06 ± 3.09e-07
-39.85
-39.9
-39.95
-40
-40.05
0
10000
20000
30000
40000
50000
60000

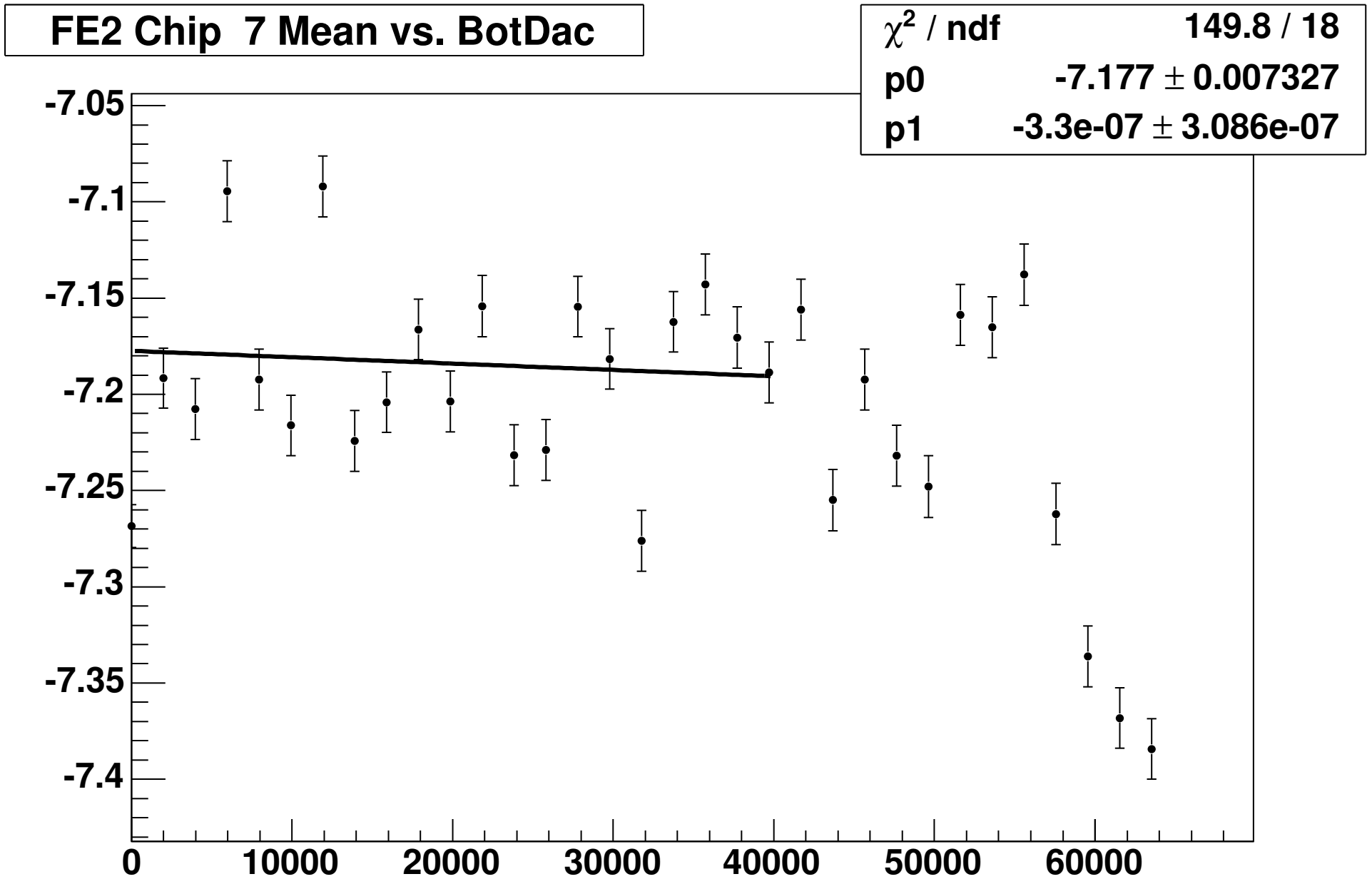

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 15.66 / 18
p0 1.493 ± 0.002513
p1 -1.004e-13 ± 3.507e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

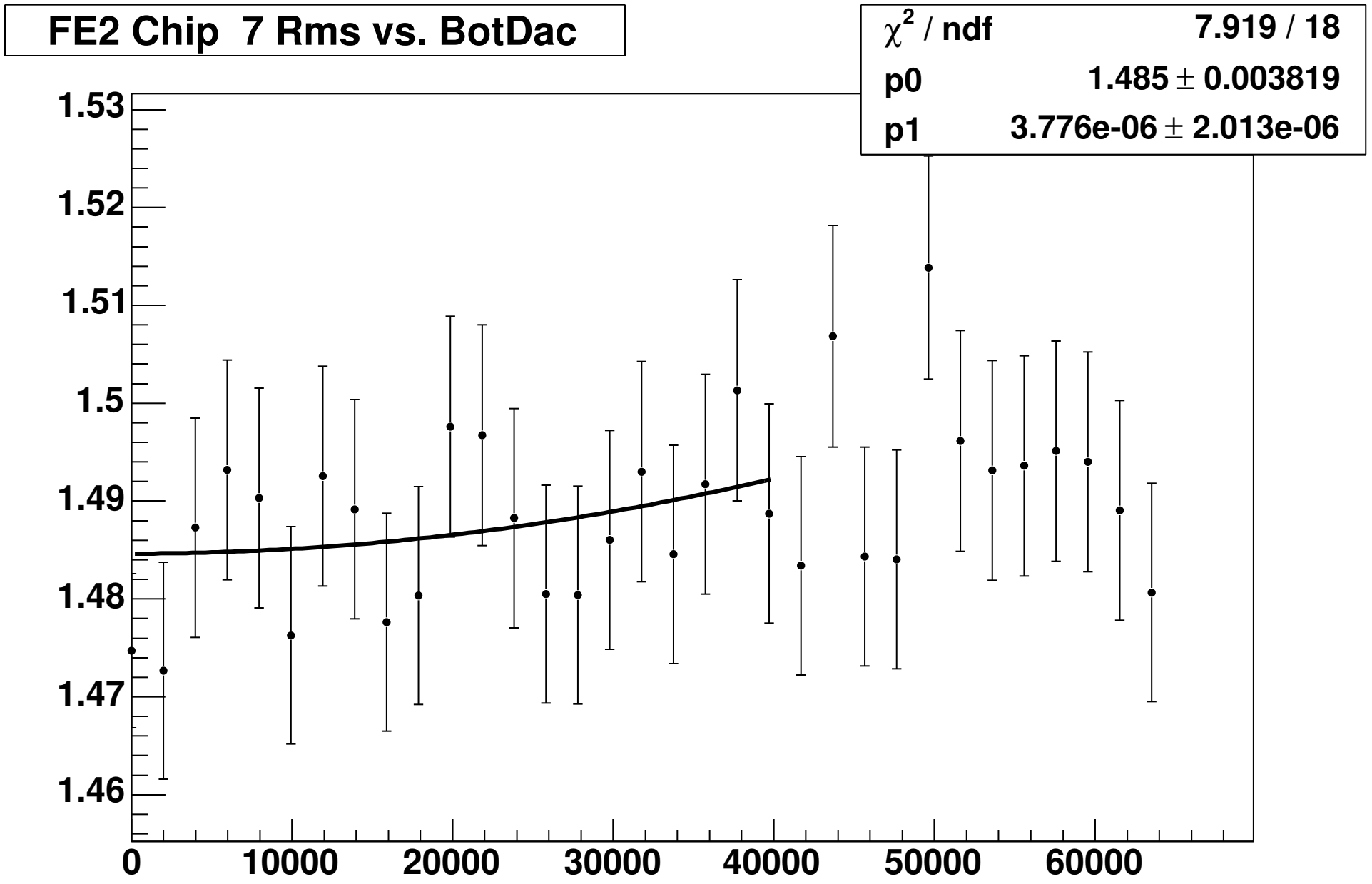

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 149.4 / 18
p0 -11.14 ± 0.007064
p1 -2.92e-07 ± 2.973e-07
-11.05
-11.1
-11.15
-11.2
-11.25
-11.3
-11.35
0
10000
20000
30000
40000
50000
60000

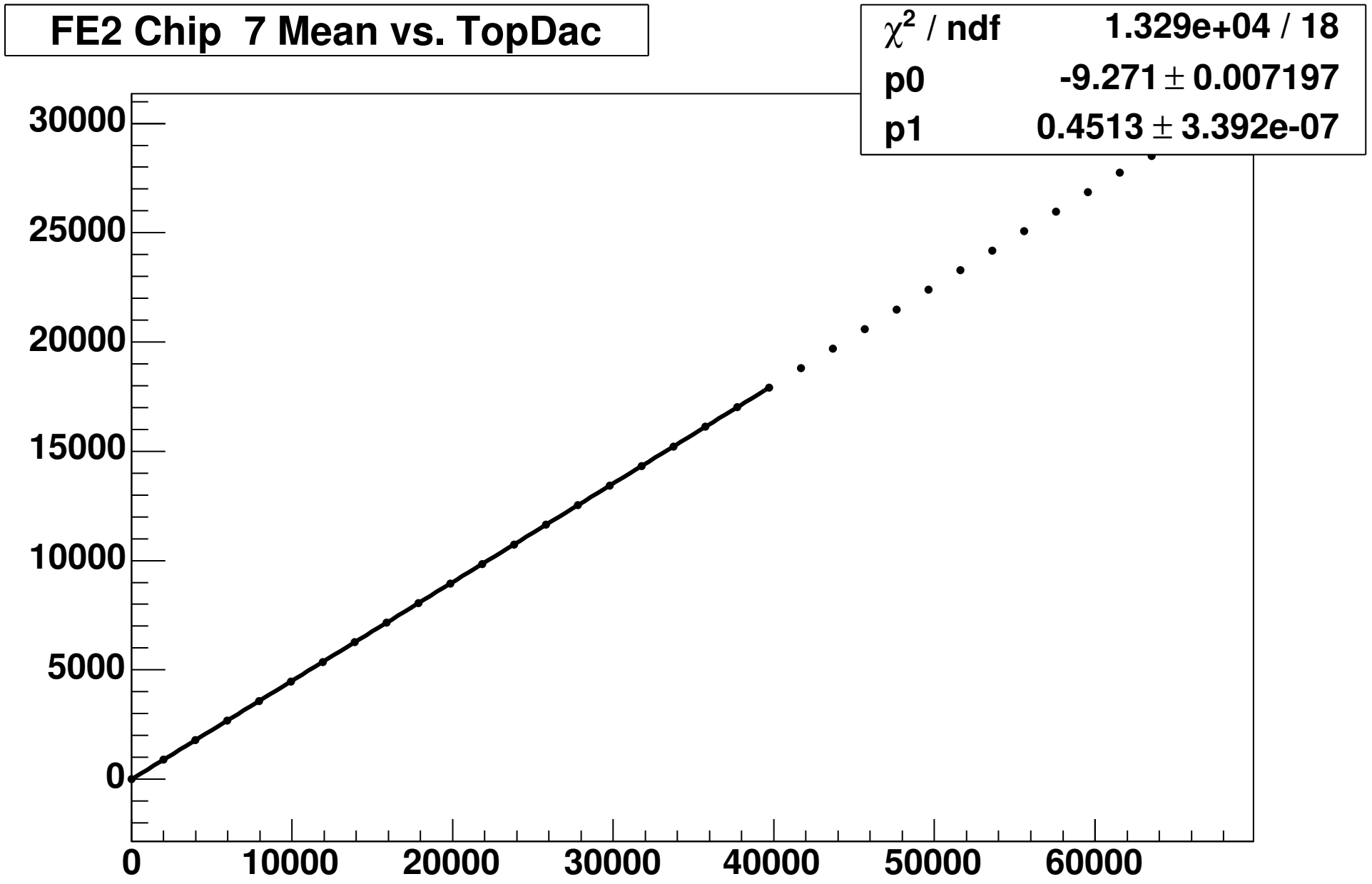

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 16.42 / 18
p0 1.433 ± 0.003683
p1 2.768e-06 ± 2.551e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

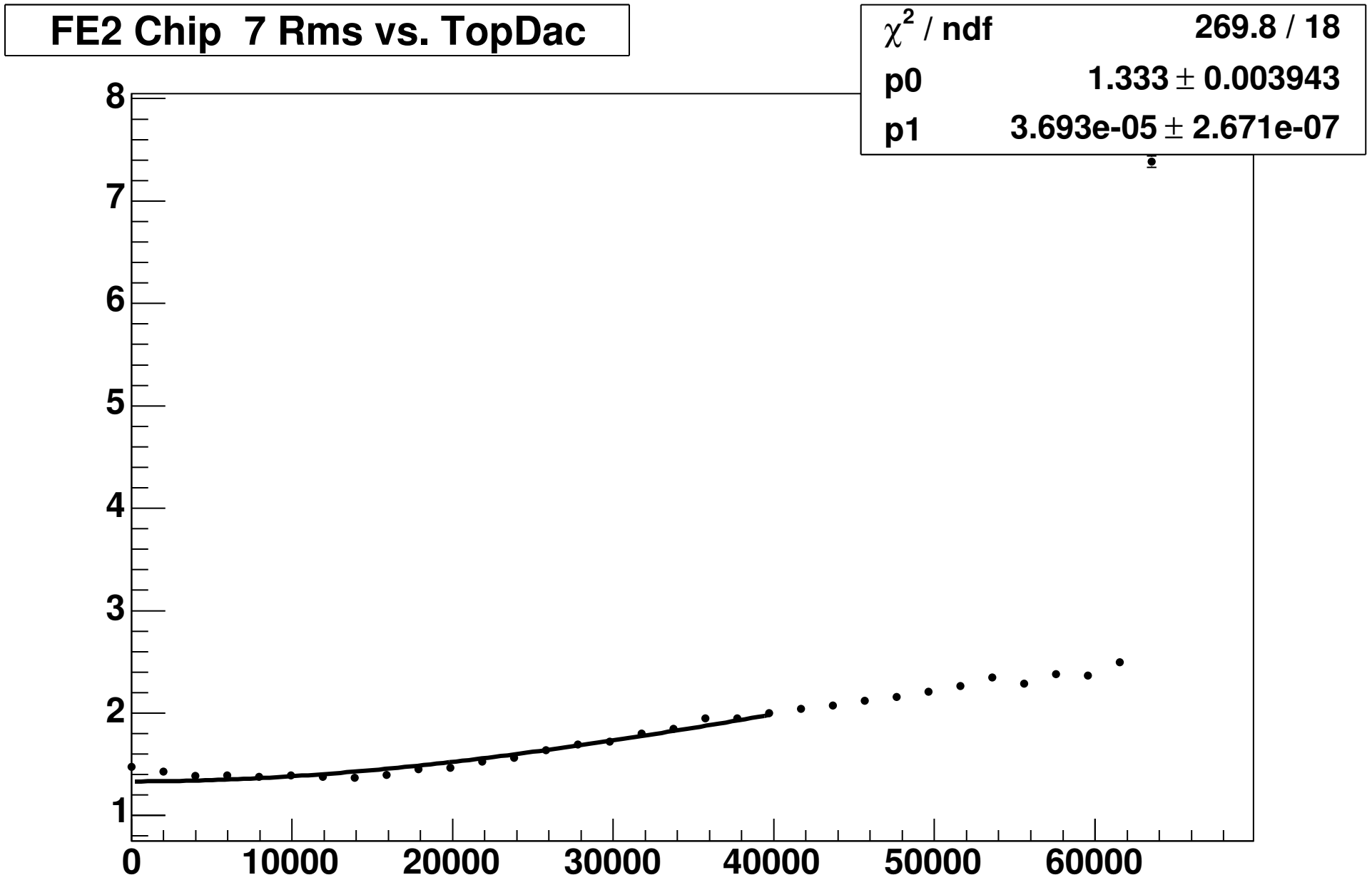

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.679e+04 / 18
p0 -13.04 ± 0.007142
p1 0.4514 ± 3.336e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

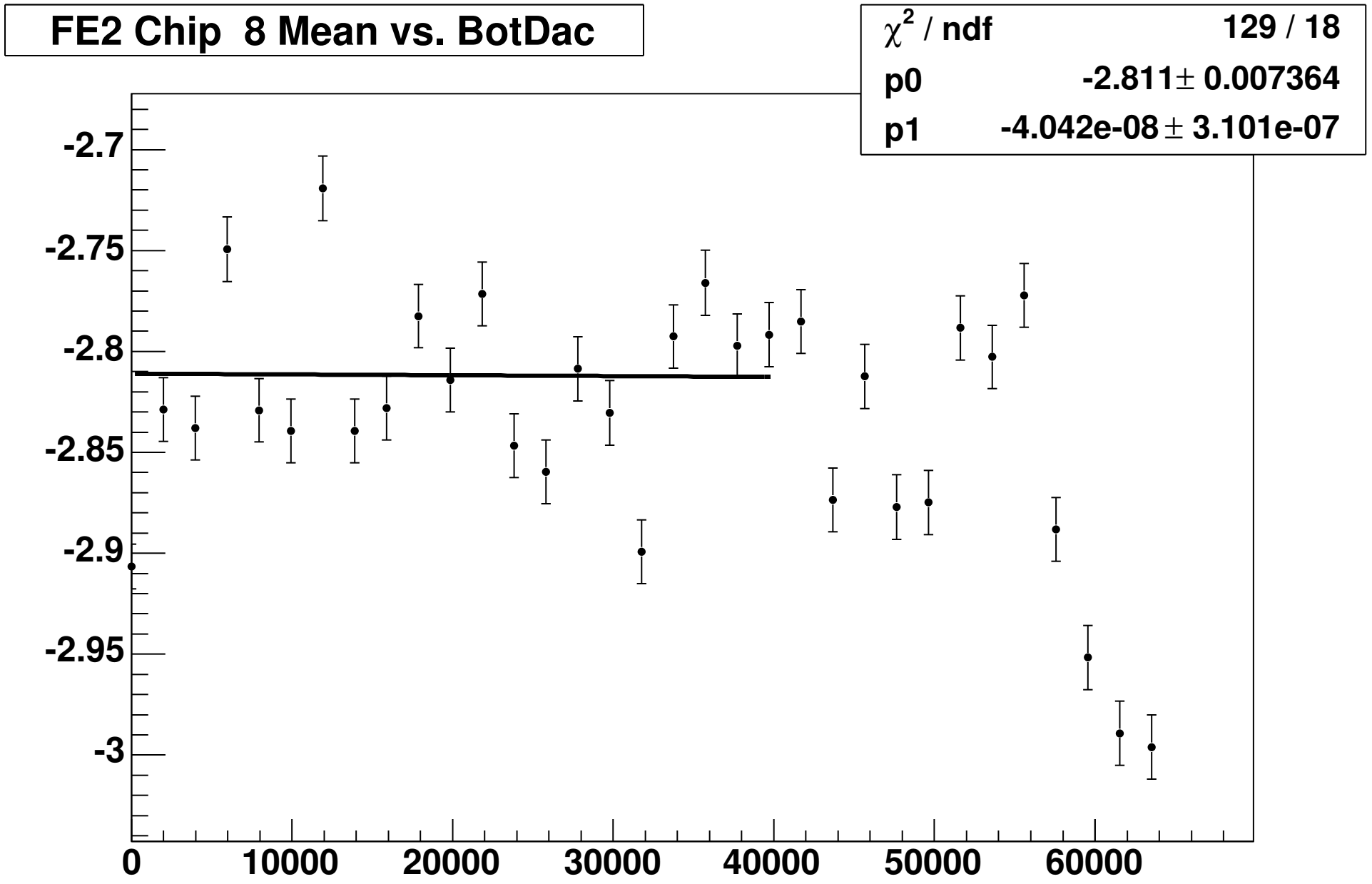

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 310.9 / 18
p0 1.328 ± 0.003888
p1 3.488e-05 ± 2.706e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

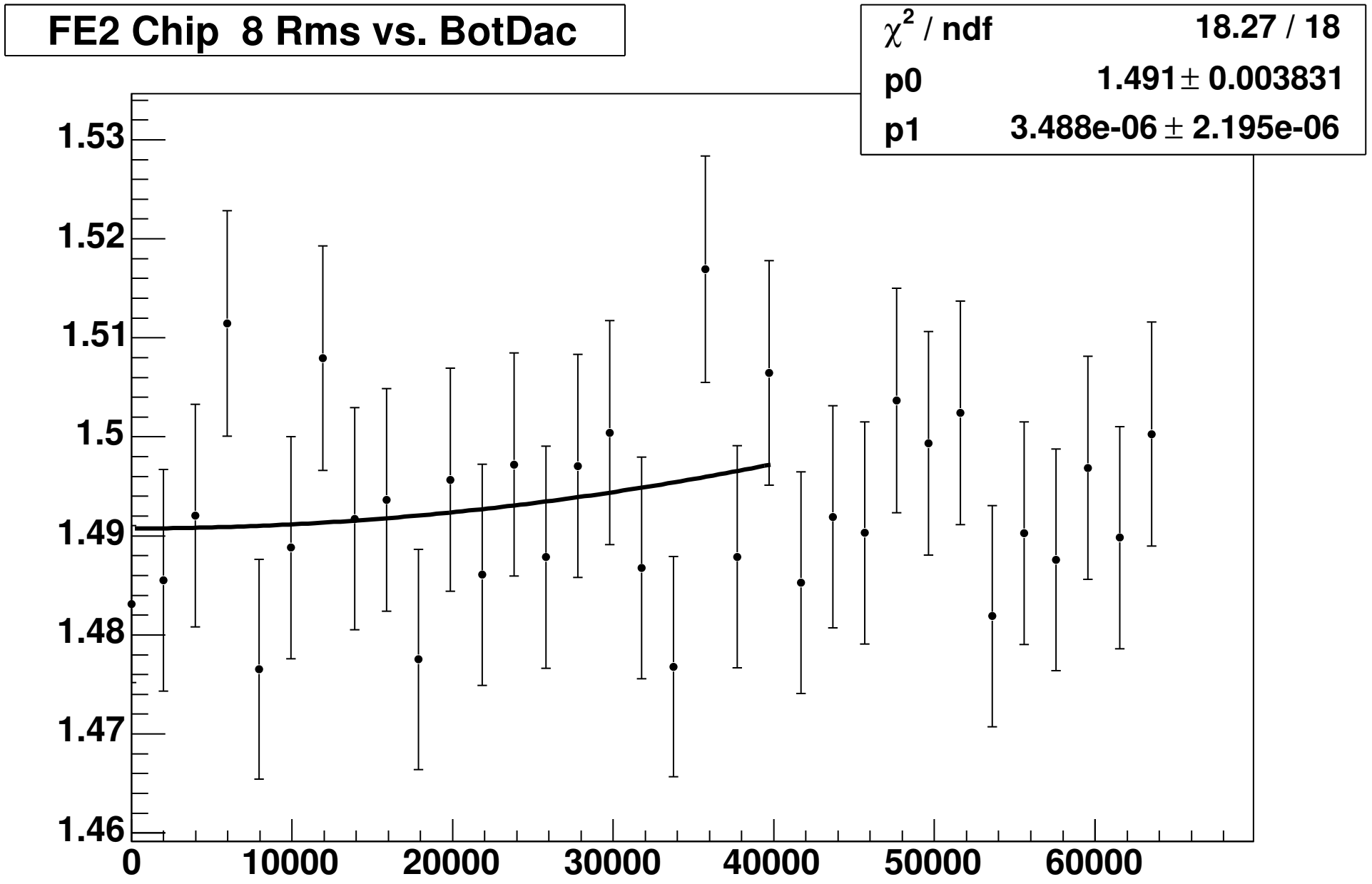

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 149.8 / 18
p0 -7.177 ± 0.007327
p1 -3.3e-07 ± 3.086e-07
-7.05
-7.1
-7.15
-7.2
-7.25
-7.3
-7.35
-7.4
0
10000
20000
30000
40000
50000
60000

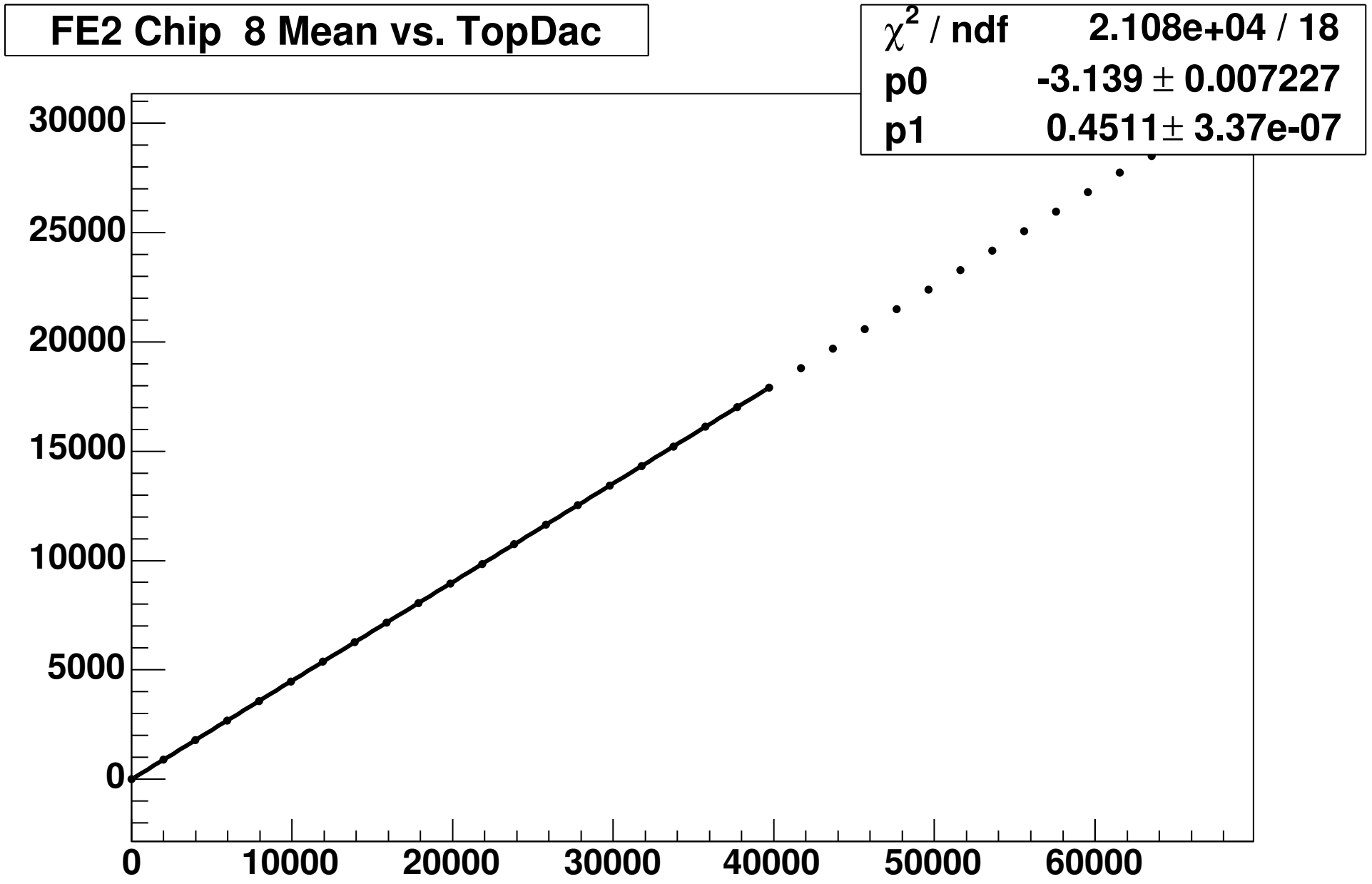

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 7.919 / 18
p0 1.485 ± 0.003819
p1 3.776e-06 ± 2.013e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

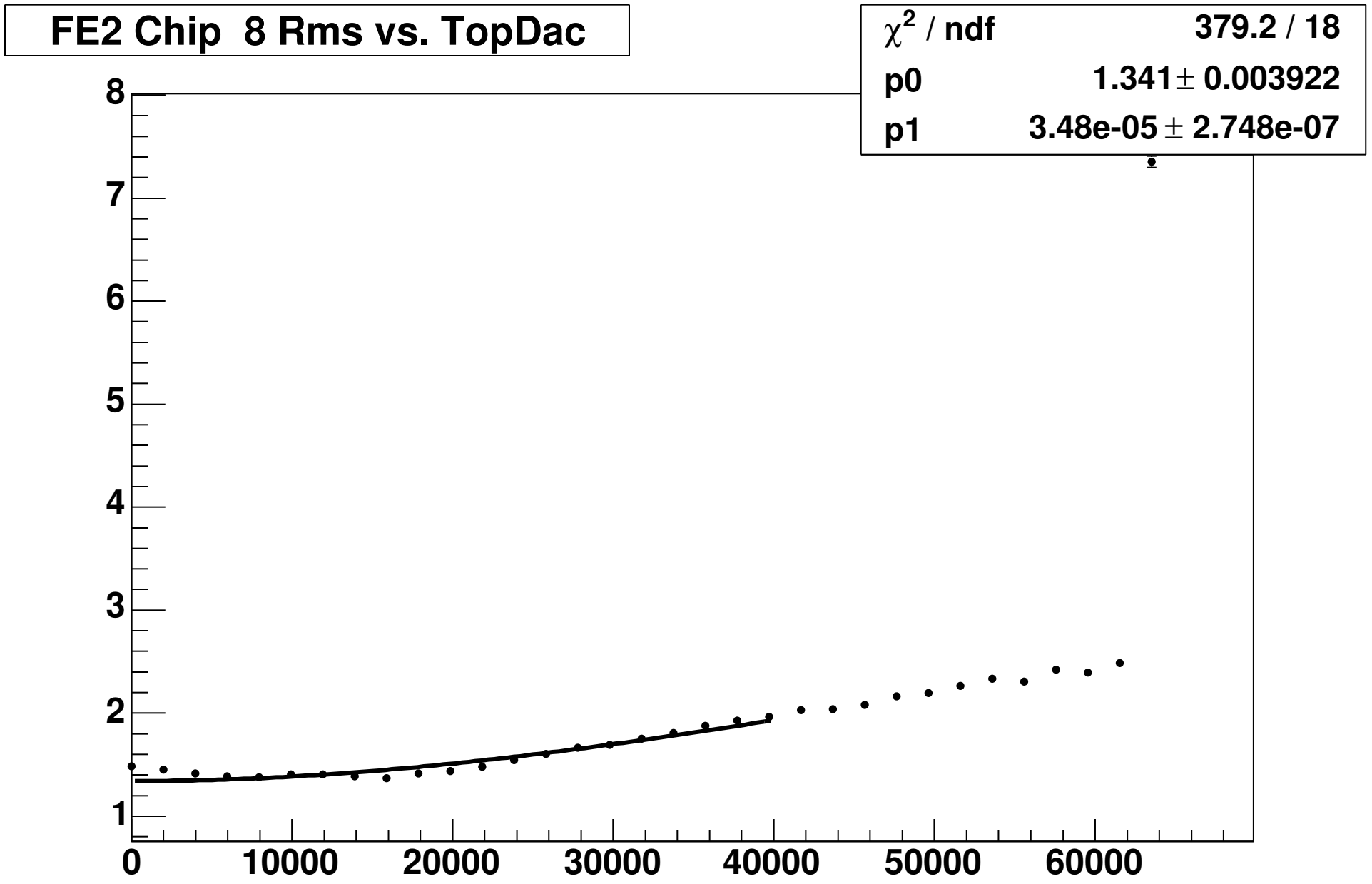

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.329e+04 / 18
p0 -9.271 ± 0.007197
p1 0.4513 ± 3.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

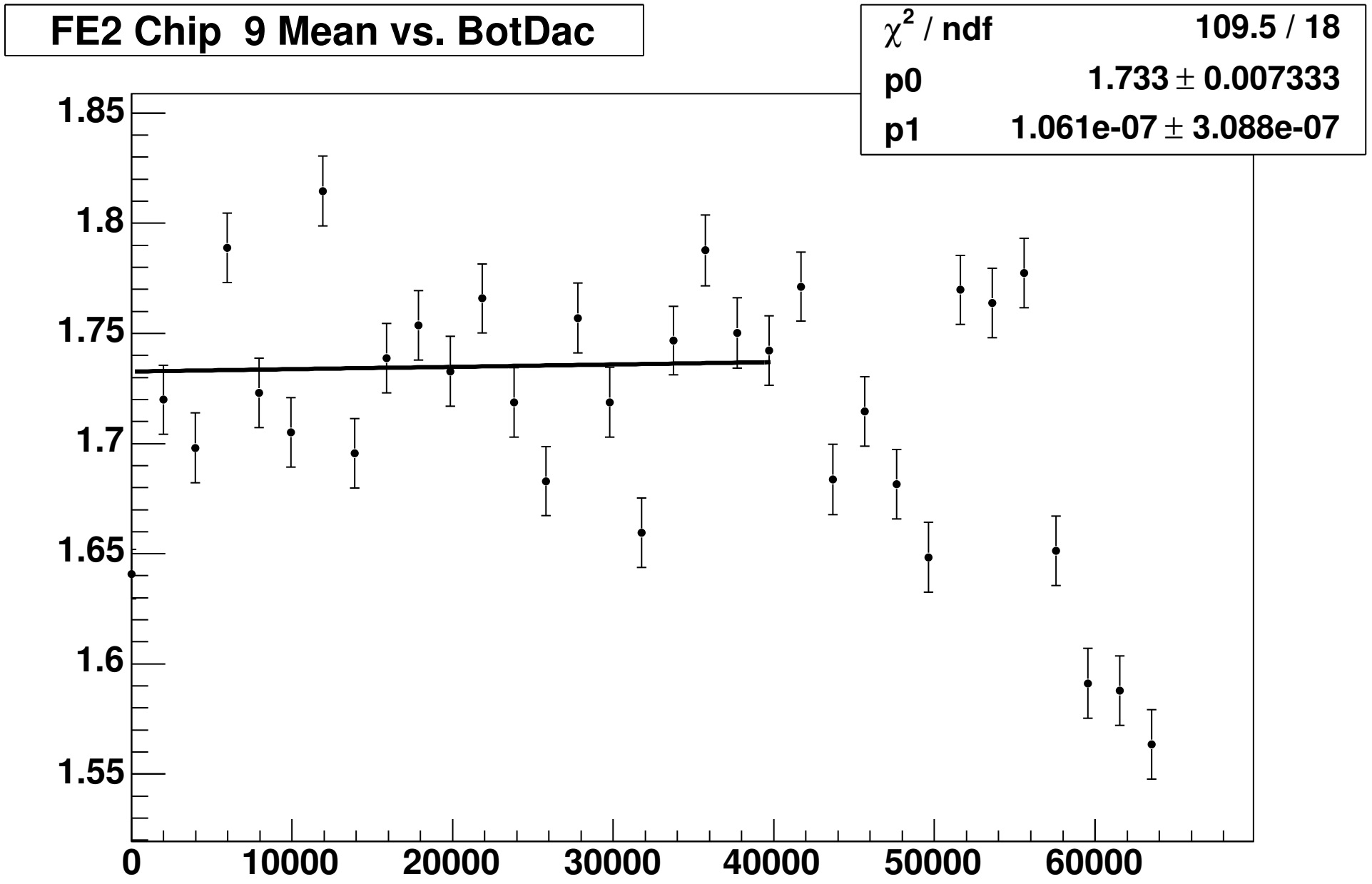

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 269.8 / 18
p0 1.333 ± 0.003943
p1 3.693e-05 ± 2.671e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

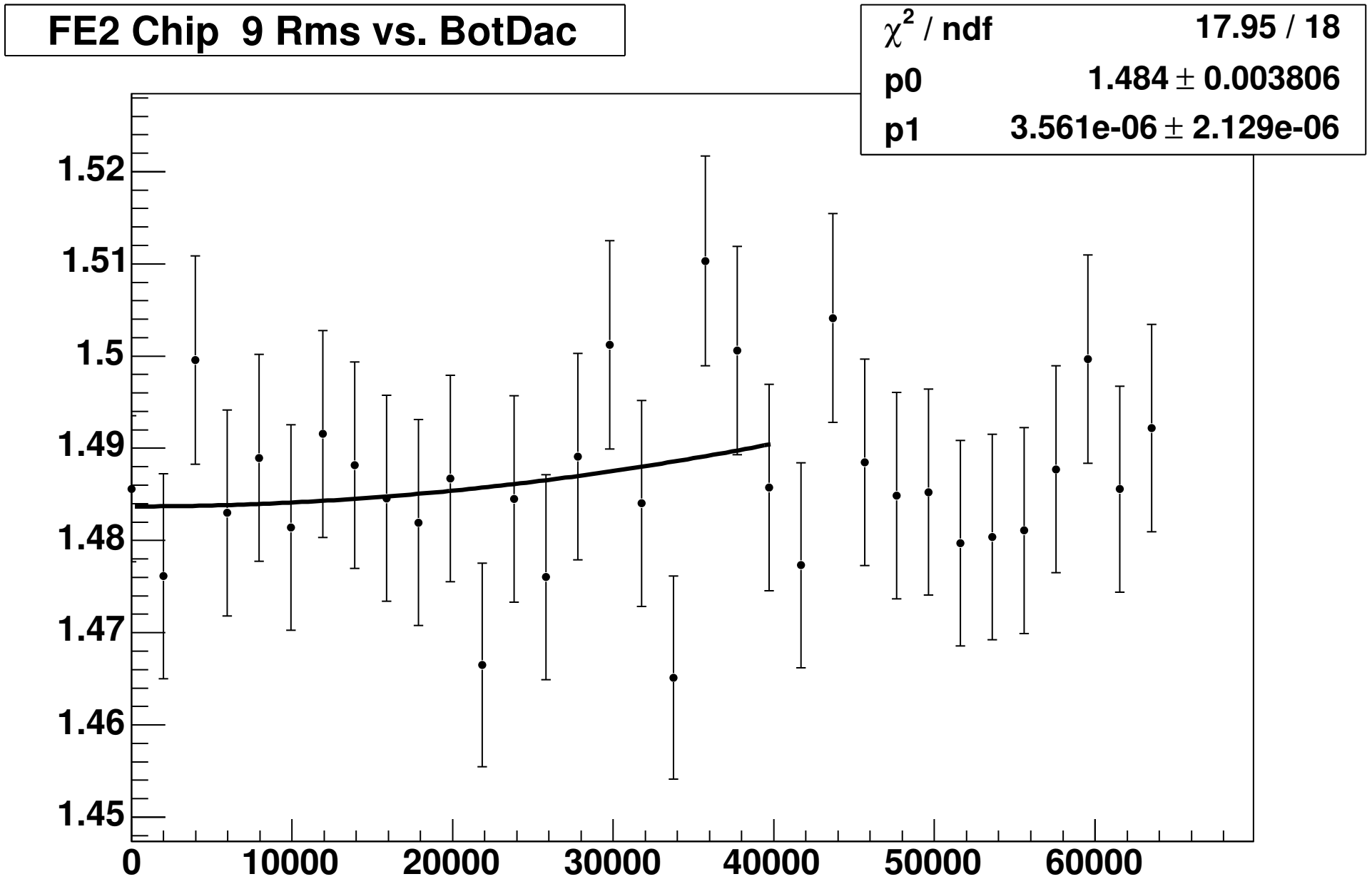

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 129 / 18
p0 -2.811 ± 0.007364
p1 -4.042e-08 ± 3.101e-07
-2.7
-2.75
-2.8
-2.85
-2.9
-2.95
-3
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 18.27 / 18
p0 1.491 ± 0.003831
p1 3.488e-06 ± 2.195e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 2.108e+04 / 18
p0 -3.139 ± 0.007227
p1 0.4511 ± 3.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 379.2 / 18
p0 1.341 ± 0.003922
p1 3.48e-05 ± 2.748e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 109.5 / 18
p0 1.733 ± 0.007333
p1 1.061e-07 ± 3.088e-07
1.85
1.8
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 17.95 / 18
p0 1.484 ± 0.003806
p1 3.561e-06 ± 2.129e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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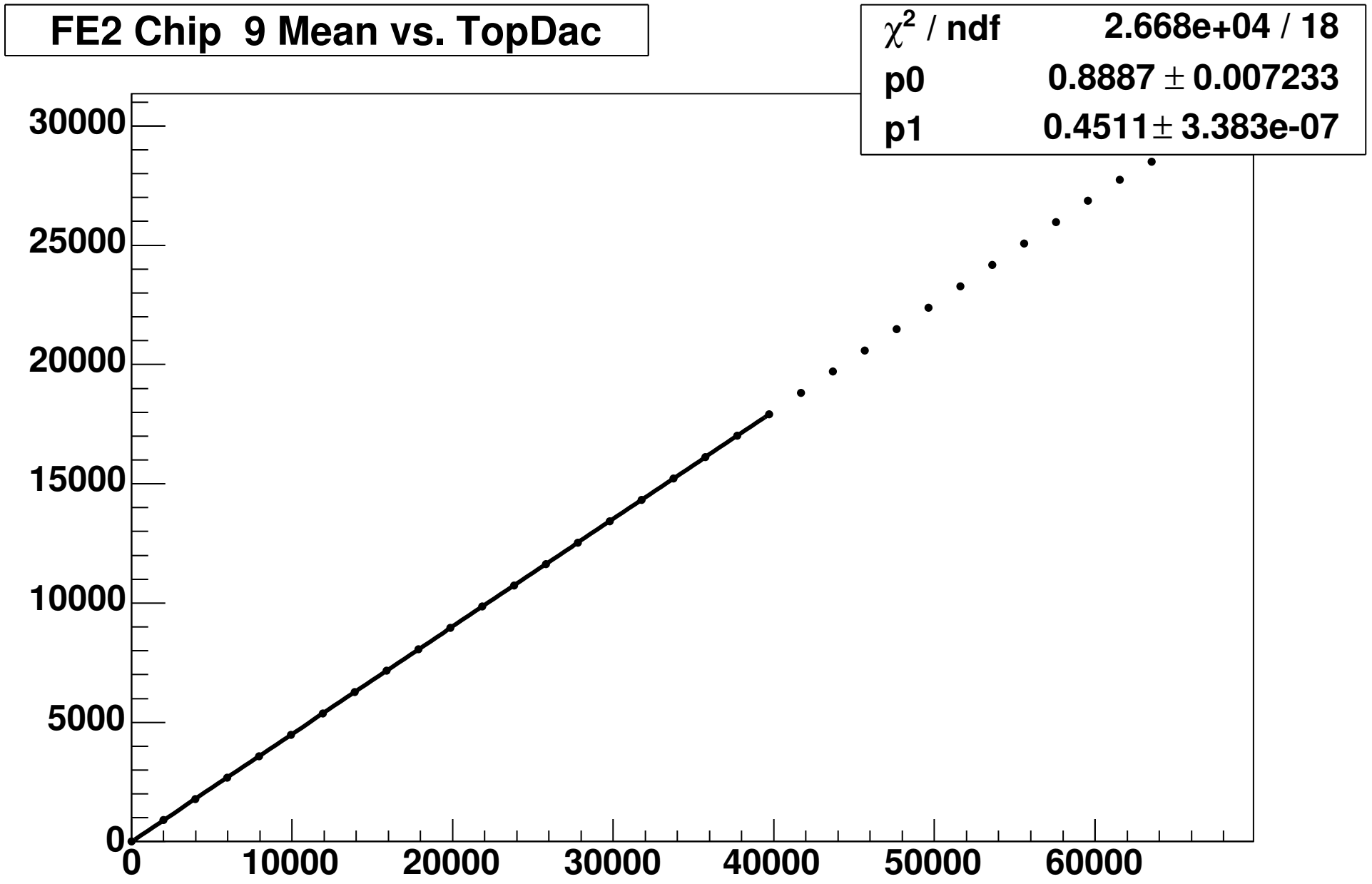
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 2.668e+04 / 18
p0 0.8887 ± 0.007233
p1 0.4511 ± 3.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
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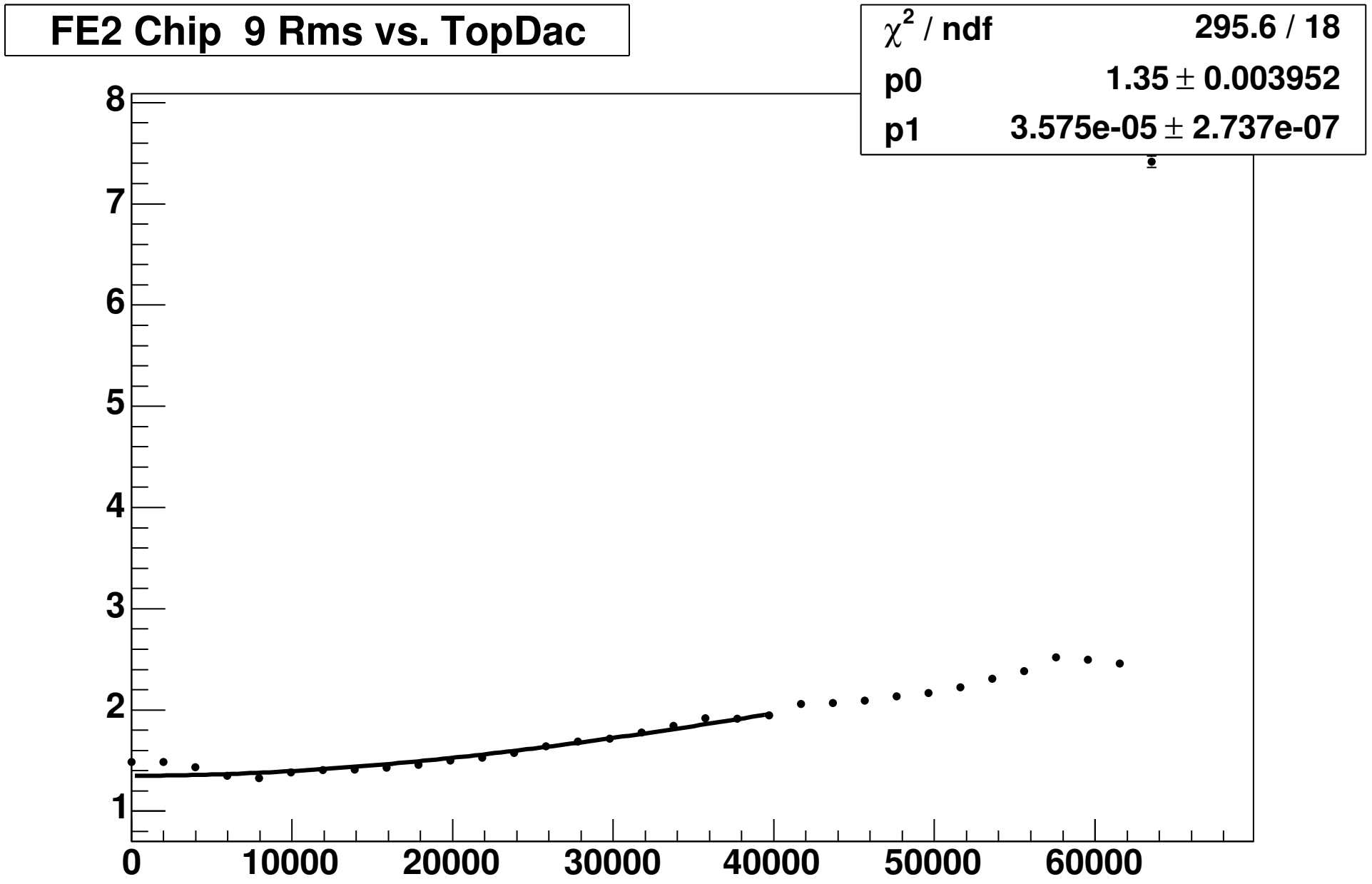
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 295.6 / 18
p0 1.35 ± 0.003952
p1 3.575e-05 ± 2.737e-07
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6
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4
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2
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0
10000
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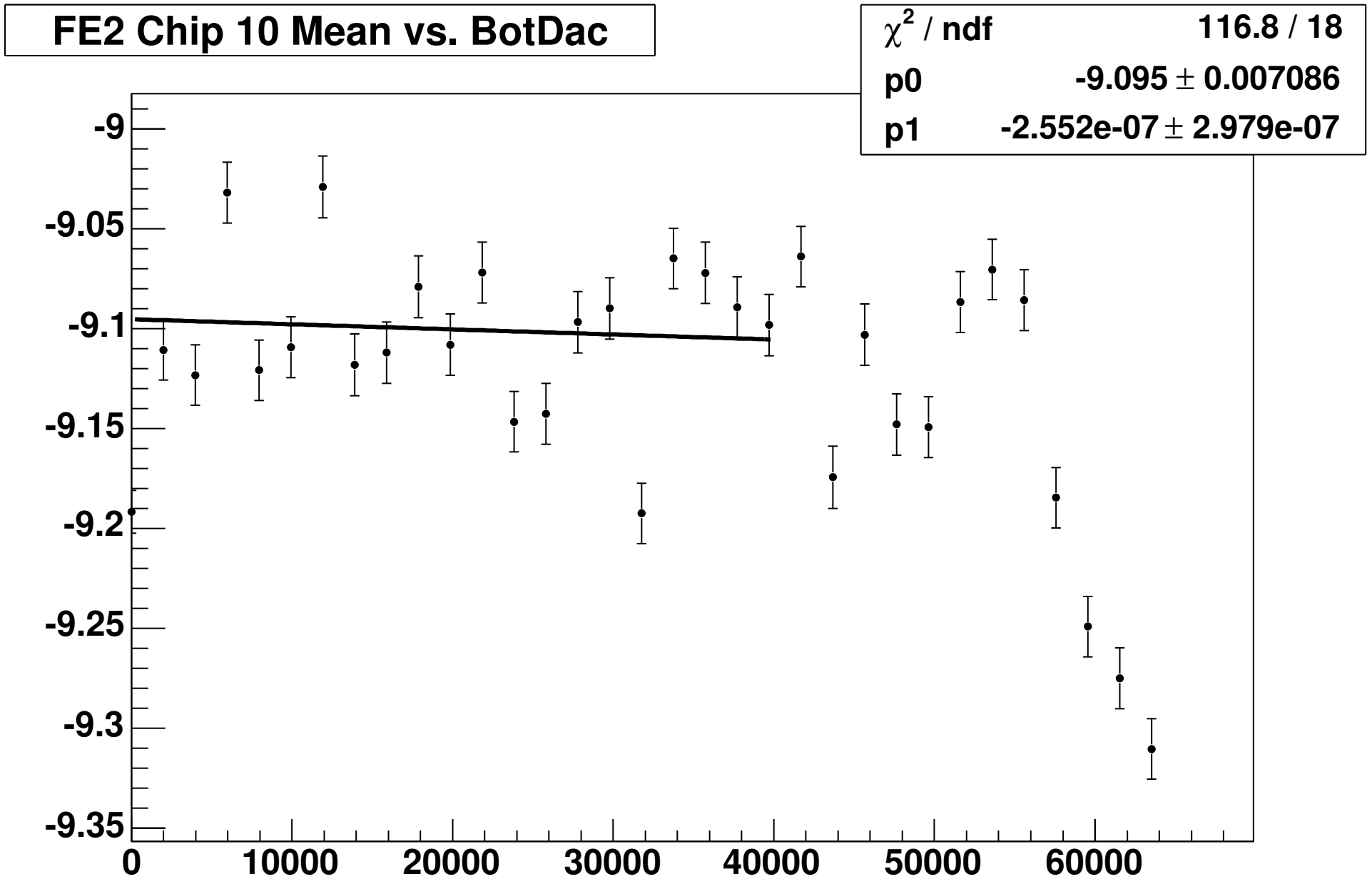
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 116.8 / 18
p0 -9.095 ± 0.007086
p1 -2.552e-07 ± 2.979e-07
-9
-9.05
-9.1
-9.15
-9.2
-9.25
-9.3
-9.35
0
10000
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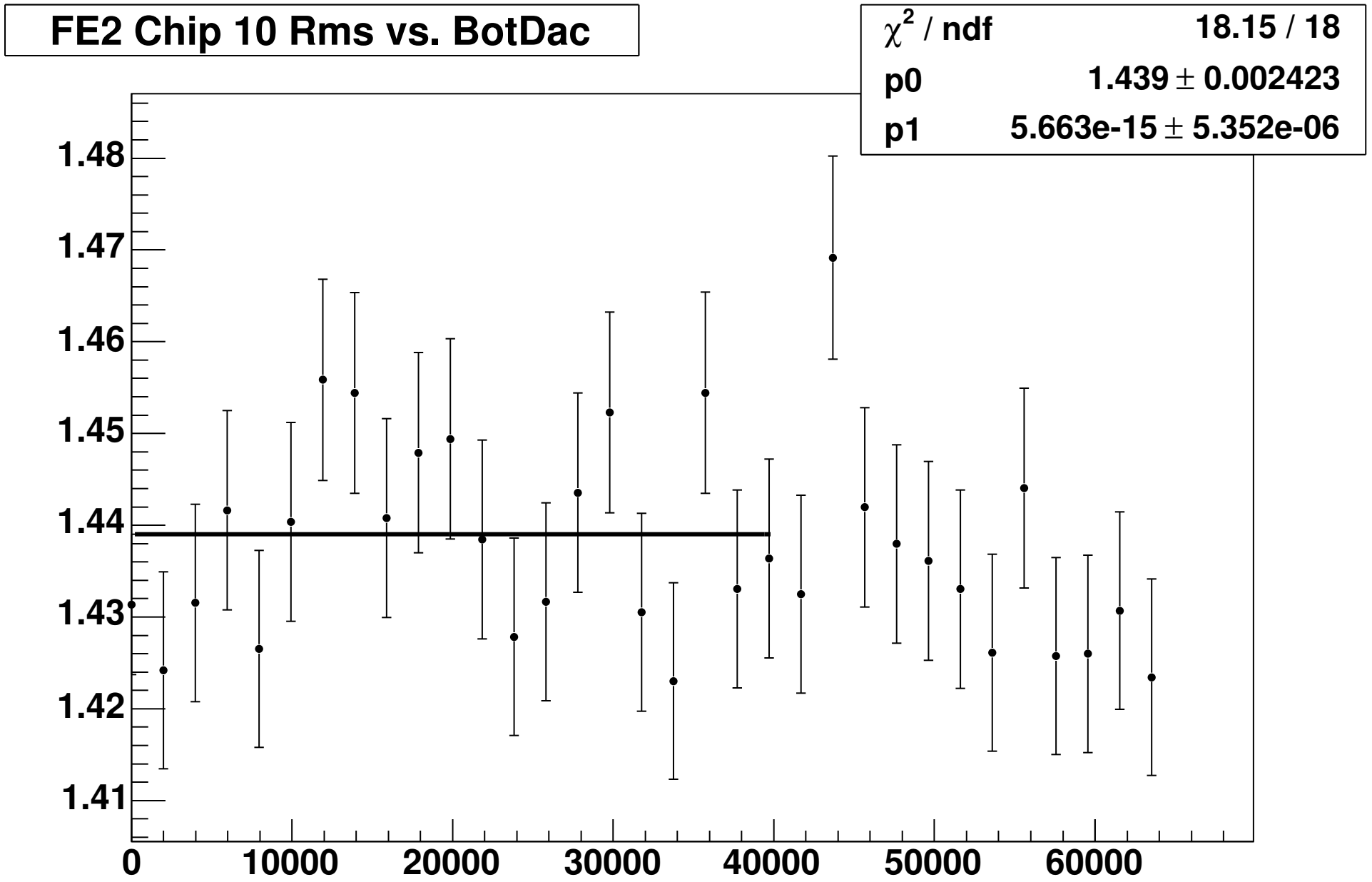
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 18.15 / 18
p0 1.439 ± 0.002423
p1 5.663e-15 ± 5.352e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
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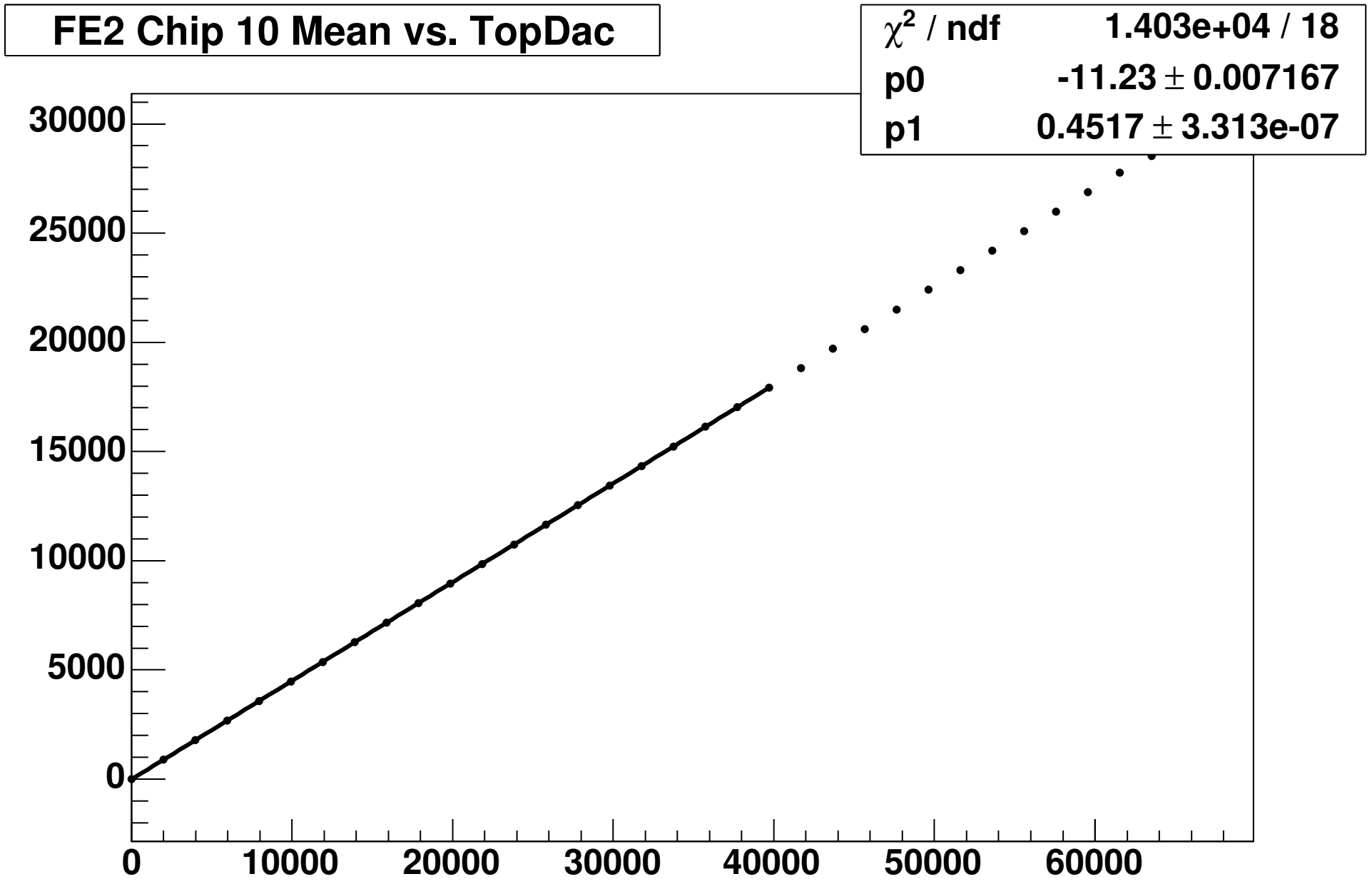
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.403e+04 / 18
p0 -11.23 ± 0.007167
p1 0.4517 ± 3.313e-07
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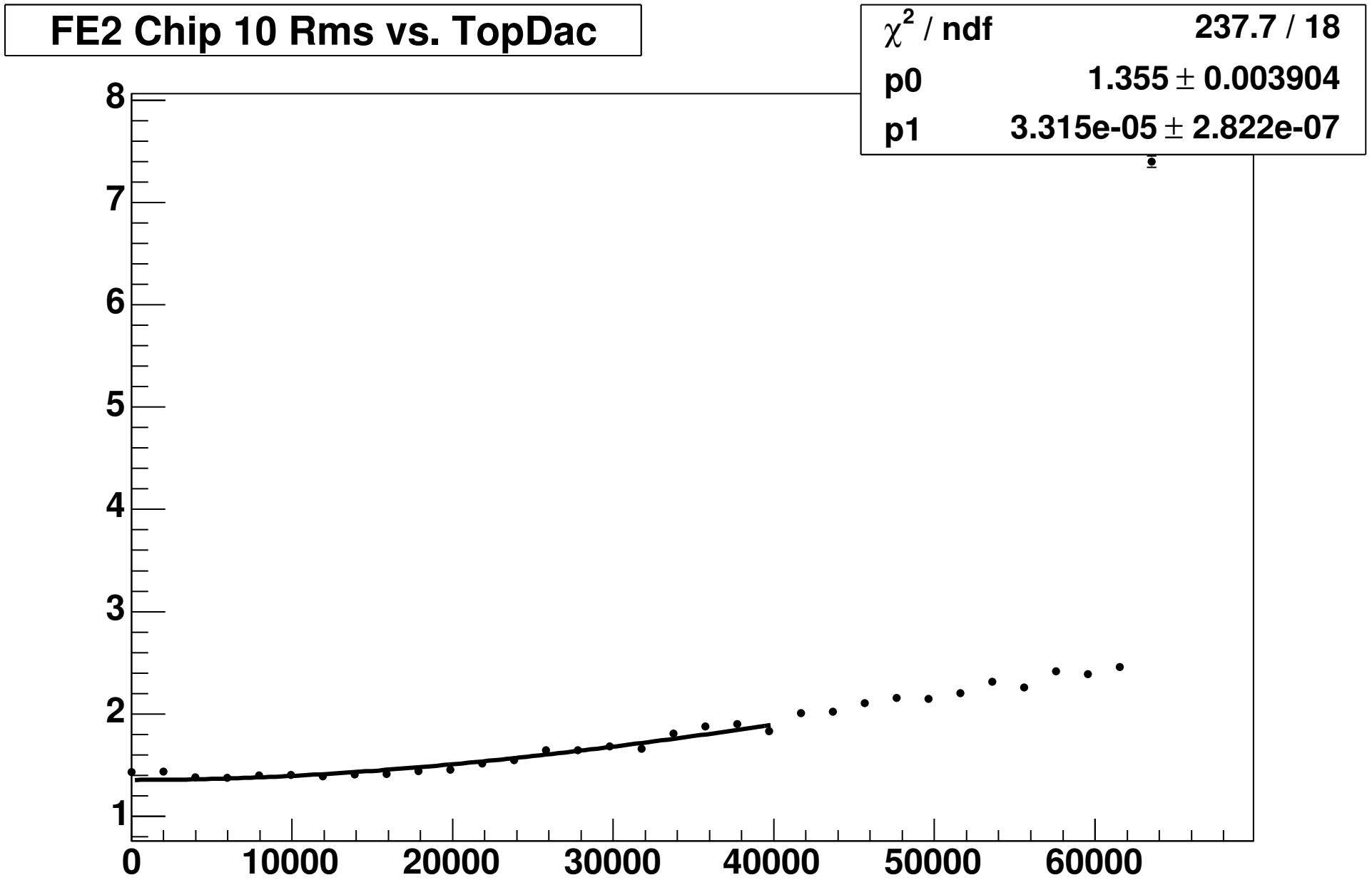
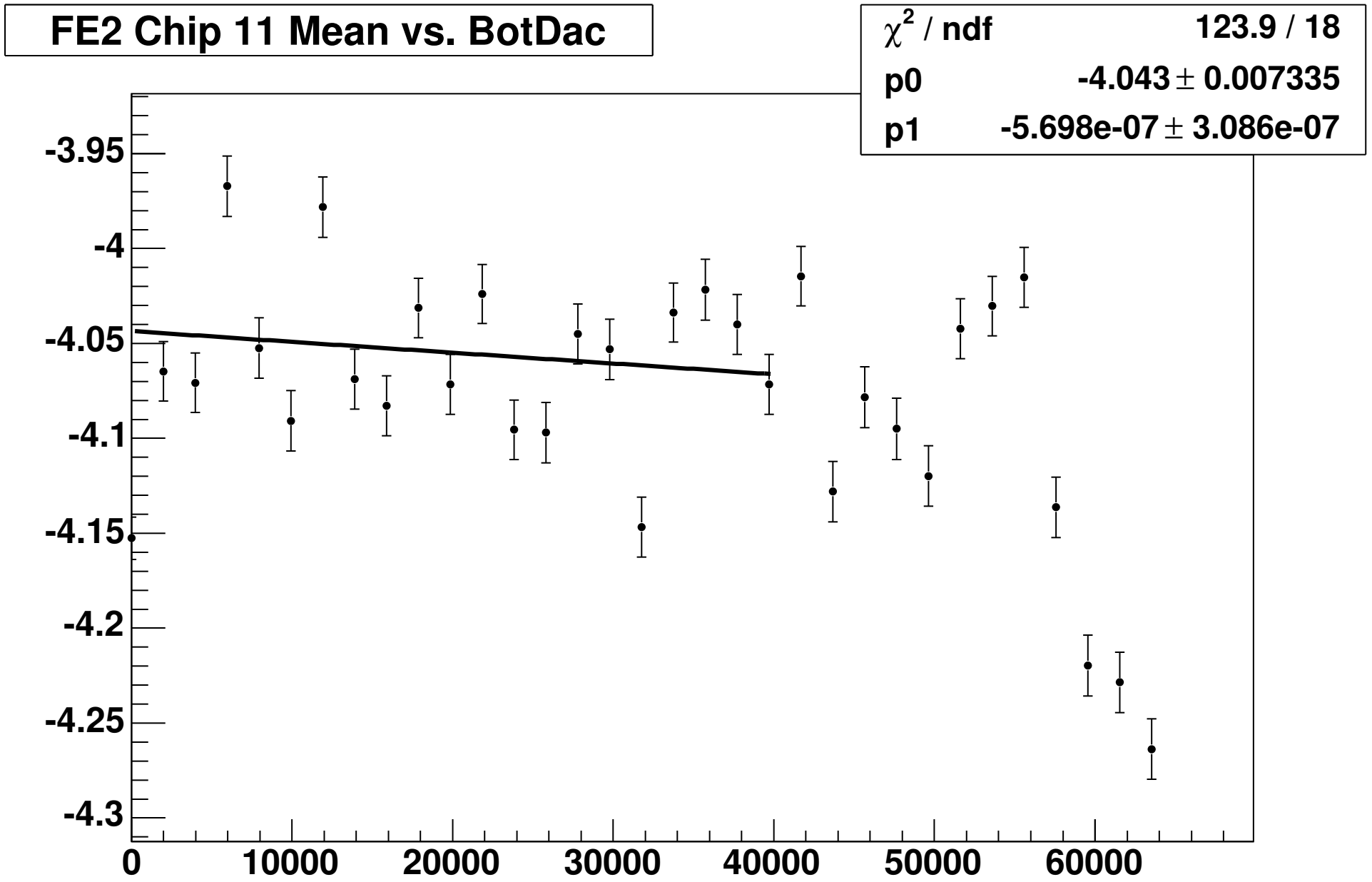
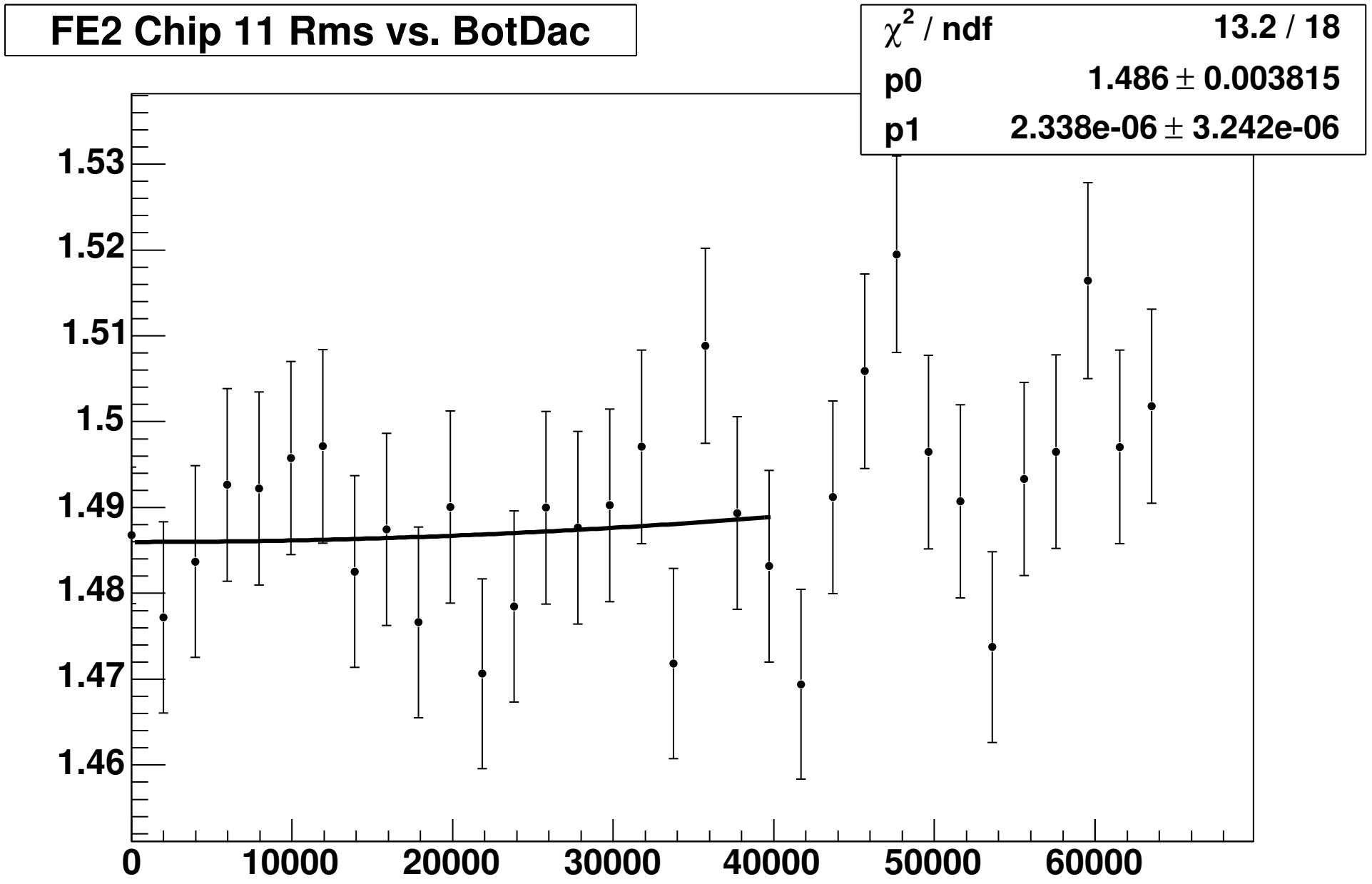
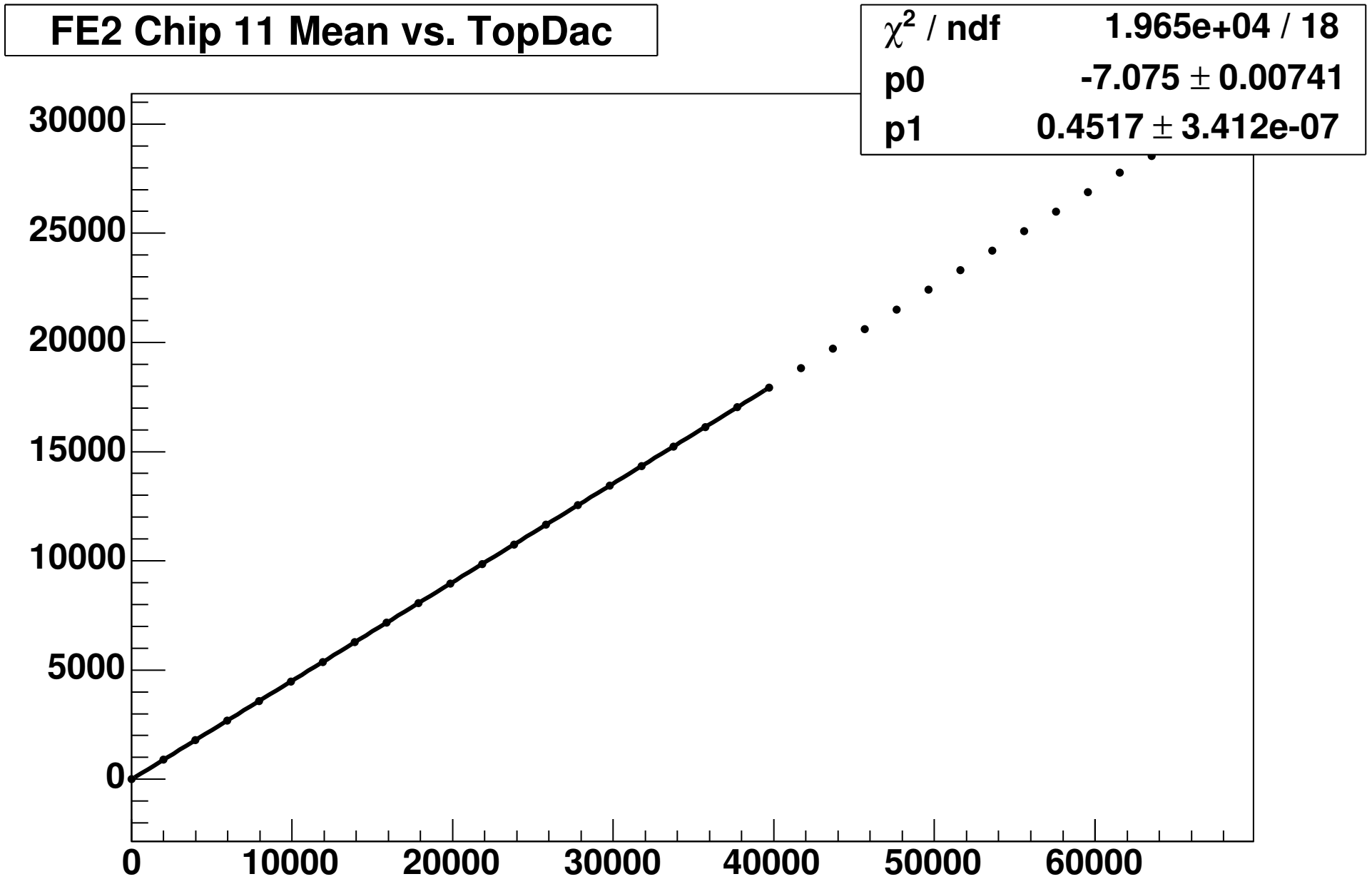
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 237.7 / 18
p0 1.355 ± 0.003904
p1 3.315e-05 ± 2.822e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 123.9 / 18
p0 -4.043 ± 0.007335
p1 -5.698e-07 ± 3.086e-07
-3.95
-4
-4.05
-4.1
-4.15
-4.2
-4.25
-4.3
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 13.2 / 18
p0 1.486 ± 0.003815
p1 2.338e-06 ± 3.242e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.965e+04 / 18
p0 -7.075 ± 0.00741
p1 0.4517 ± 3.412e-07
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25000
20000
15000
10000
5000
0
0
10000
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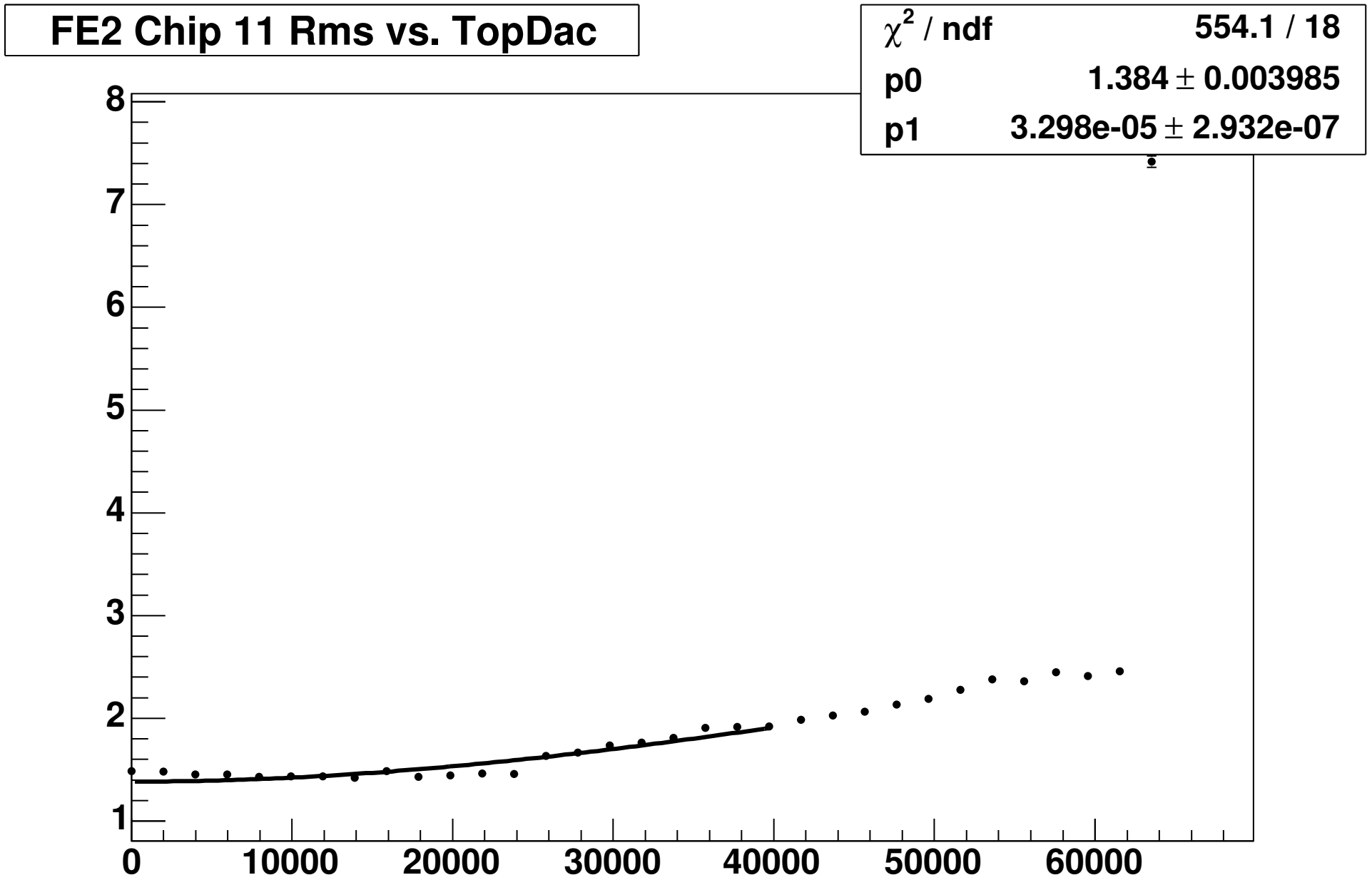
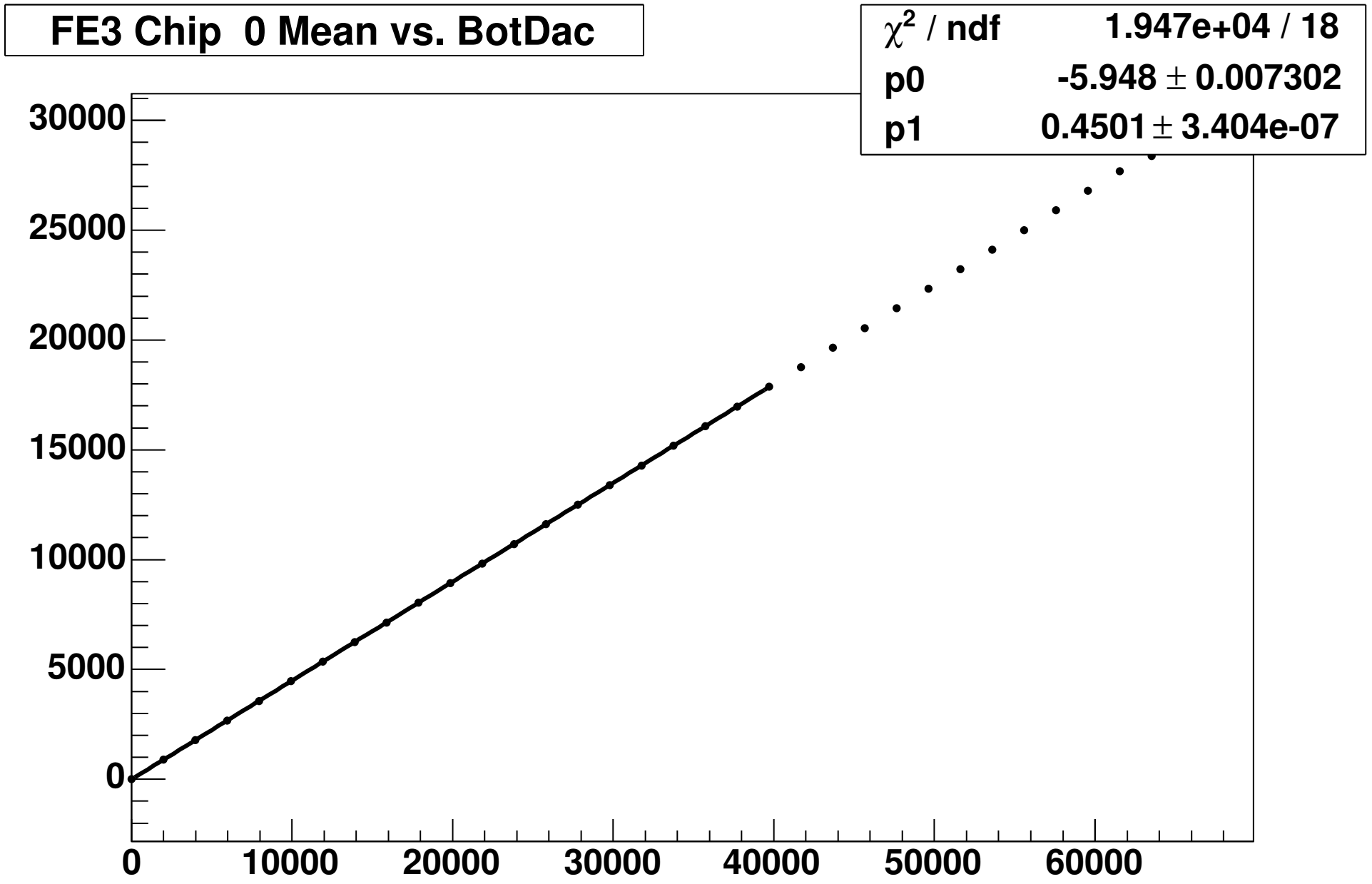
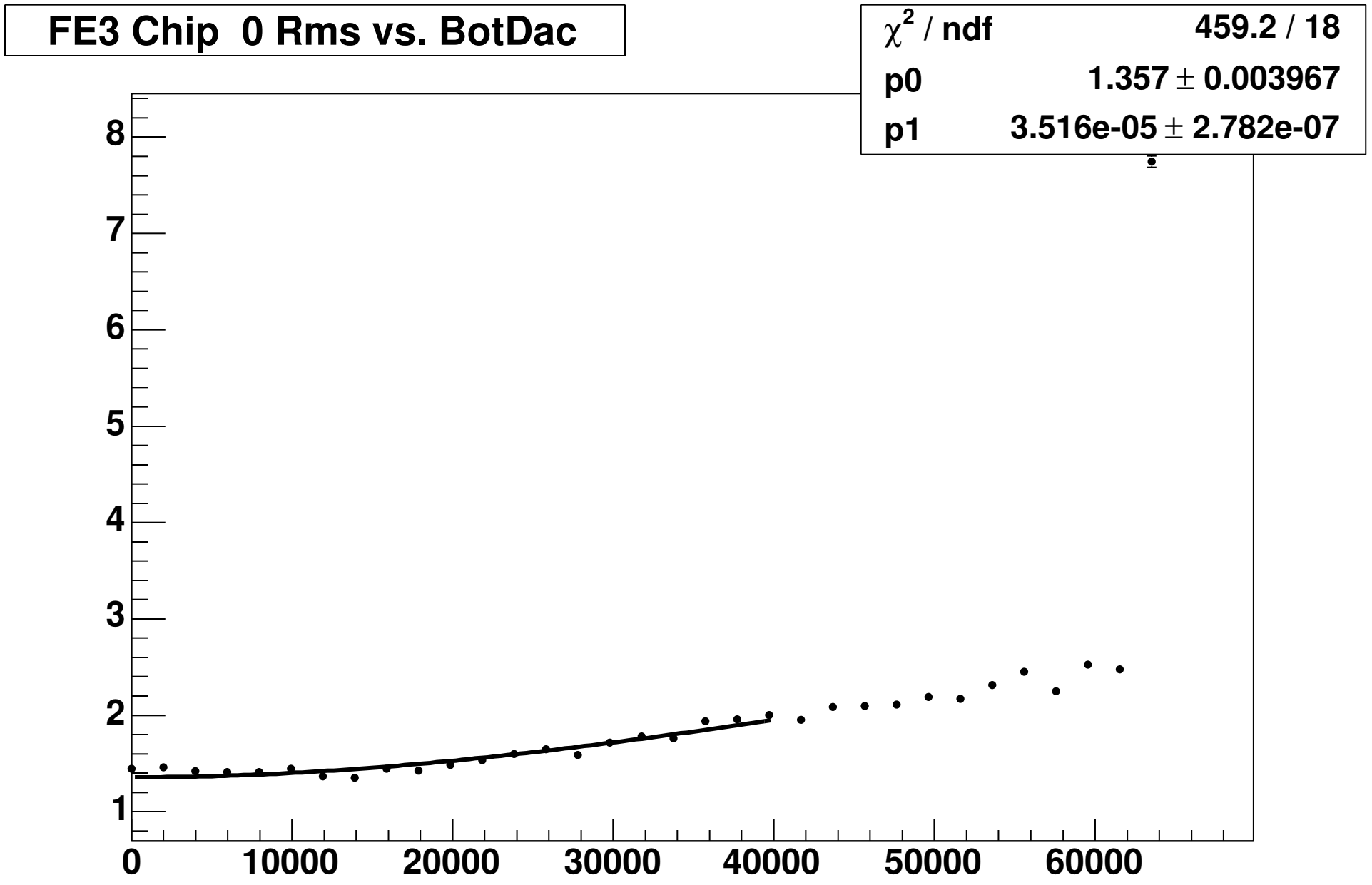
30000
40000
50000
60000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 554.1 / 18
p0 1.384 ± 0.003985
p1 3.298e-05 ± 2.932e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.947e+04 / 18
p0 -5.948 ± 0.007302
p1 0.4501 ± 3.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 459.2 / 18
p0 1.357 ± 0.003967
p1 3.516e-05 ± 2.782e-07
8
7
6
5
4
3
2
1
0
10000
20000
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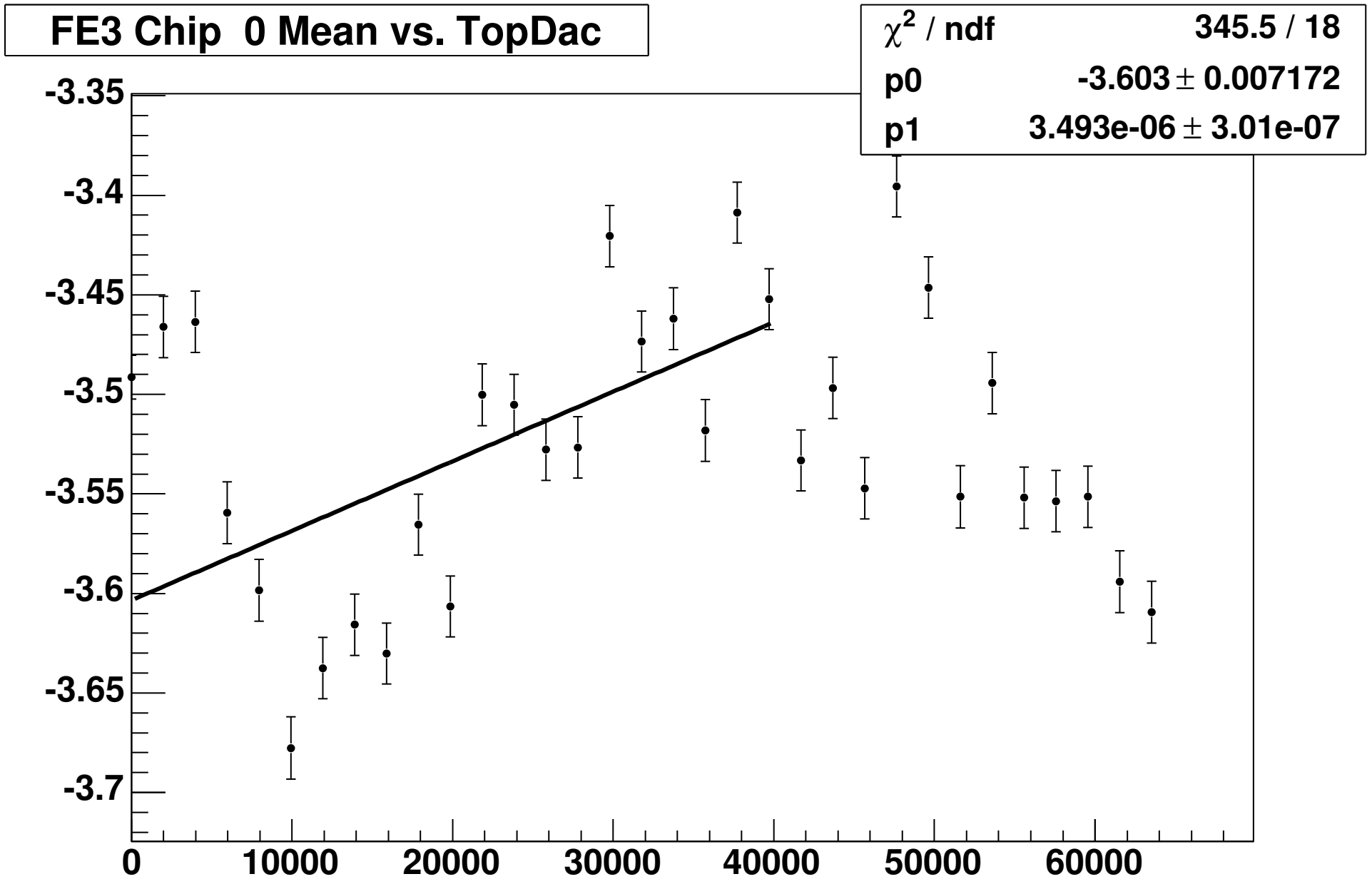
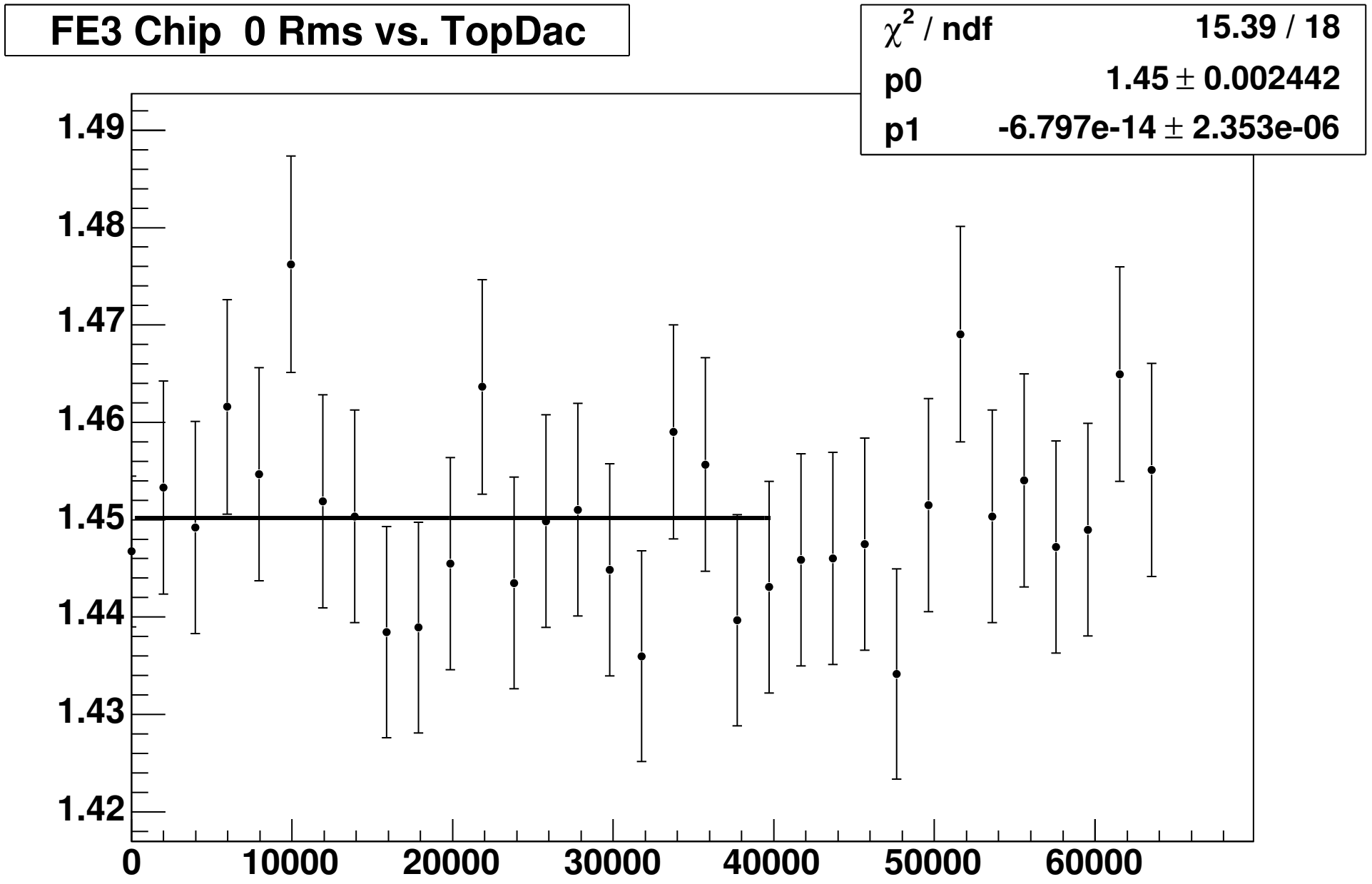
40000
50000
60000


FE3 Chip 0 Mean vs. TopDac
χ^2 / ndf 345.5 / 18
p0 -3.603 ± 0.007172
p1 3.493e-06 ± 3.01e-07
-3.35
-3.4
-3.45
-3.5
-3.55
-3.6
-3.65
-3.7
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 15.39 / 18
p0 1.45 ± 0.002442
p1 -6.797e-14 ± 2.353e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
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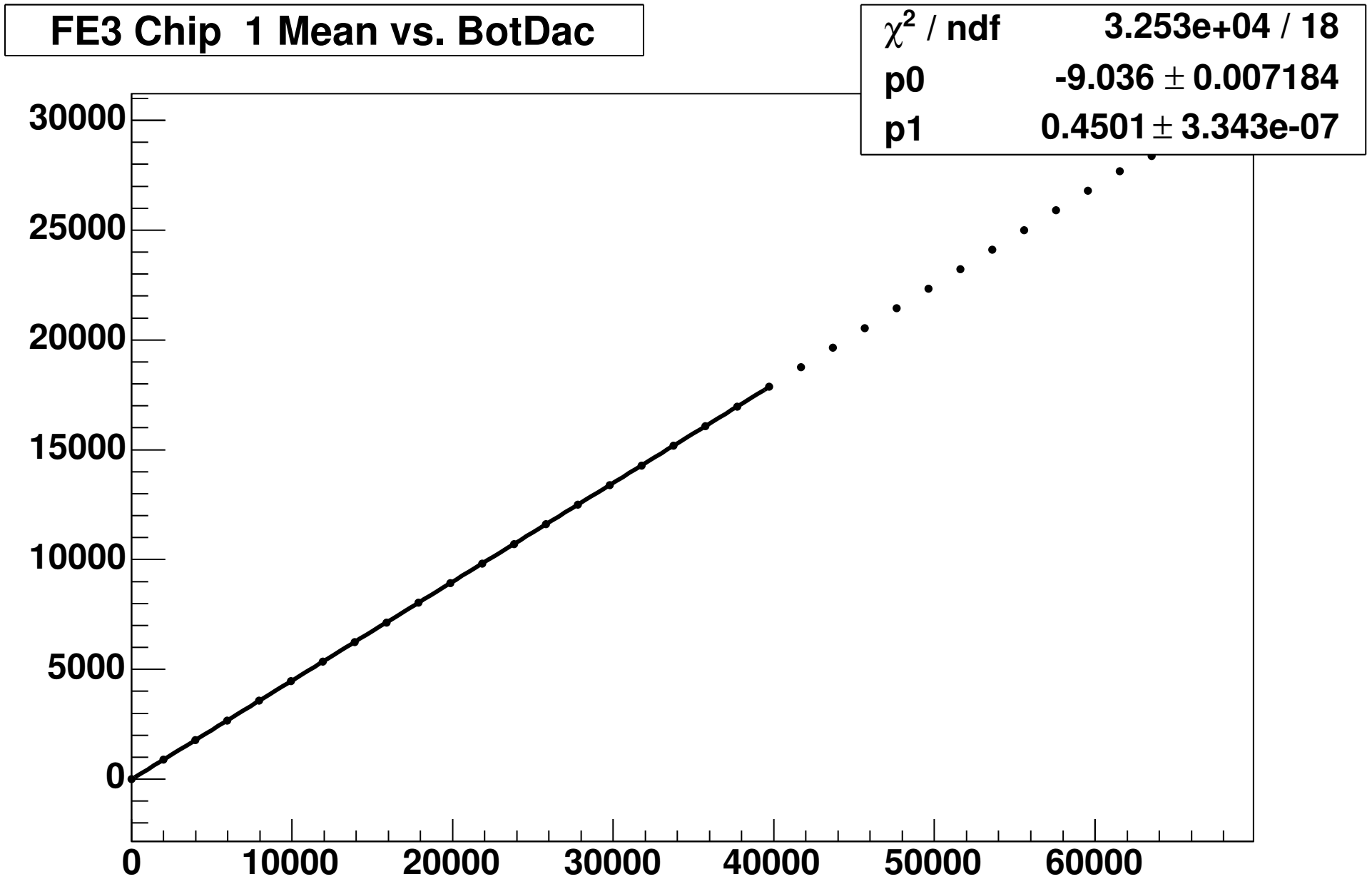
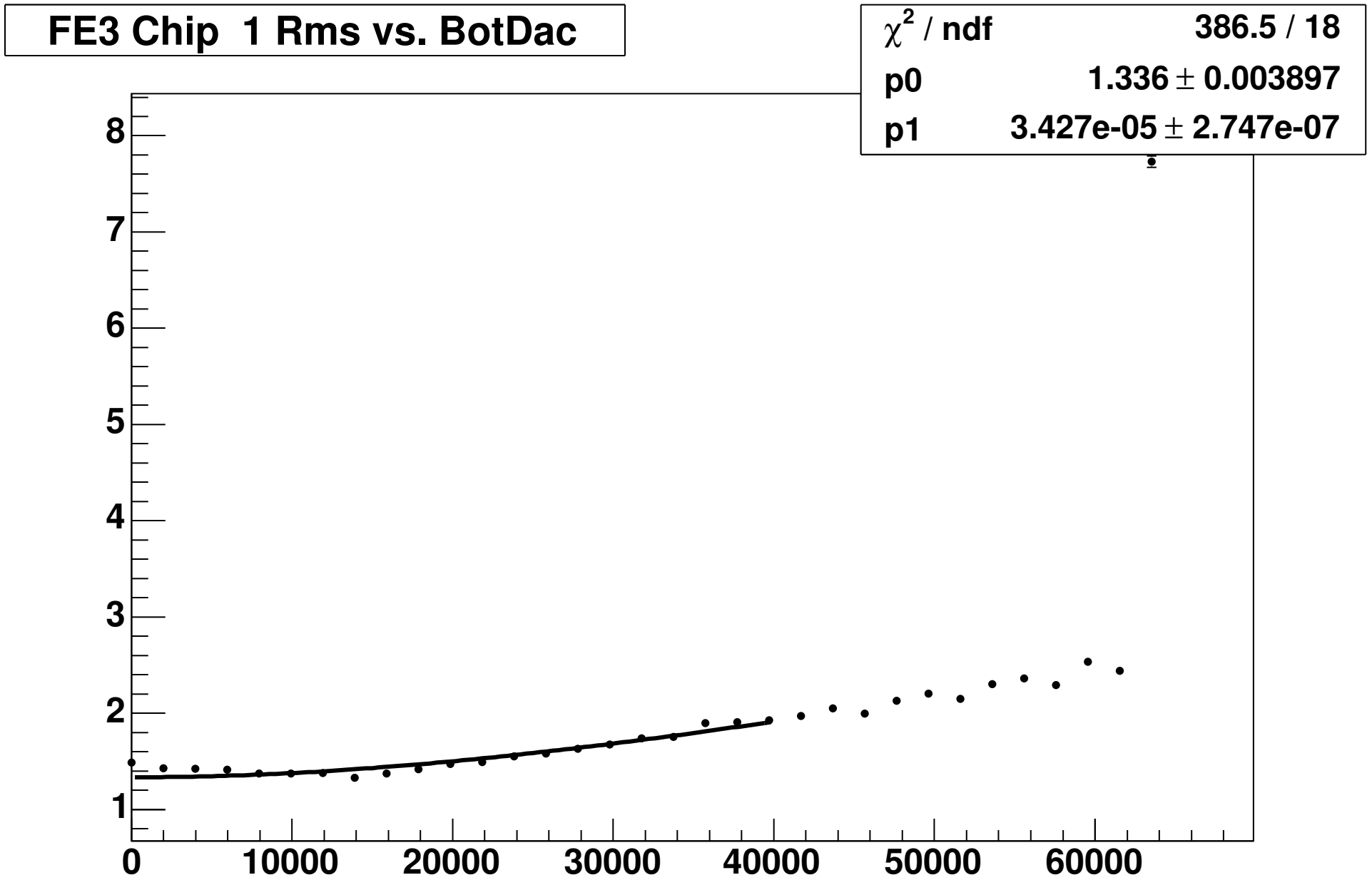
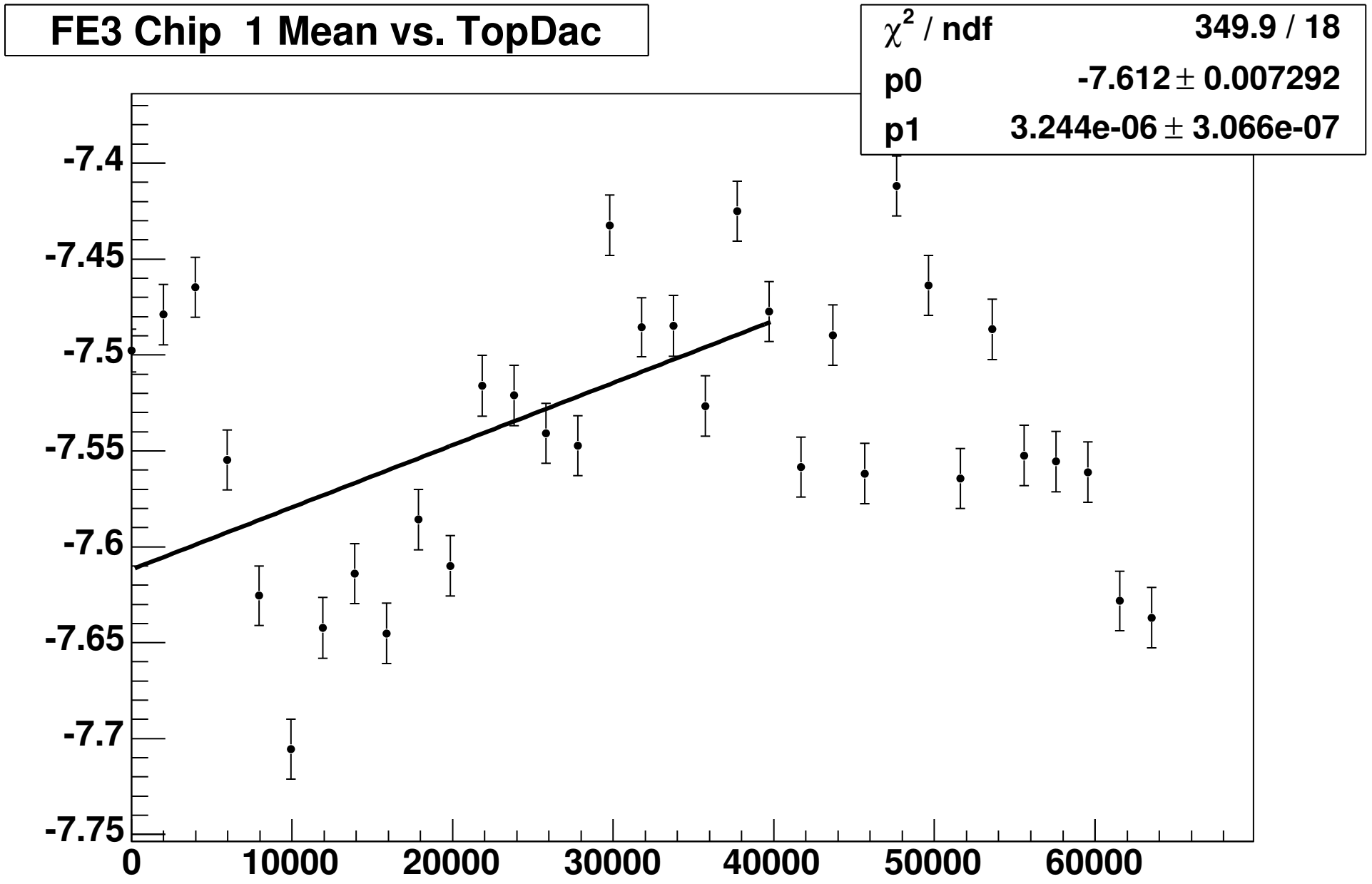
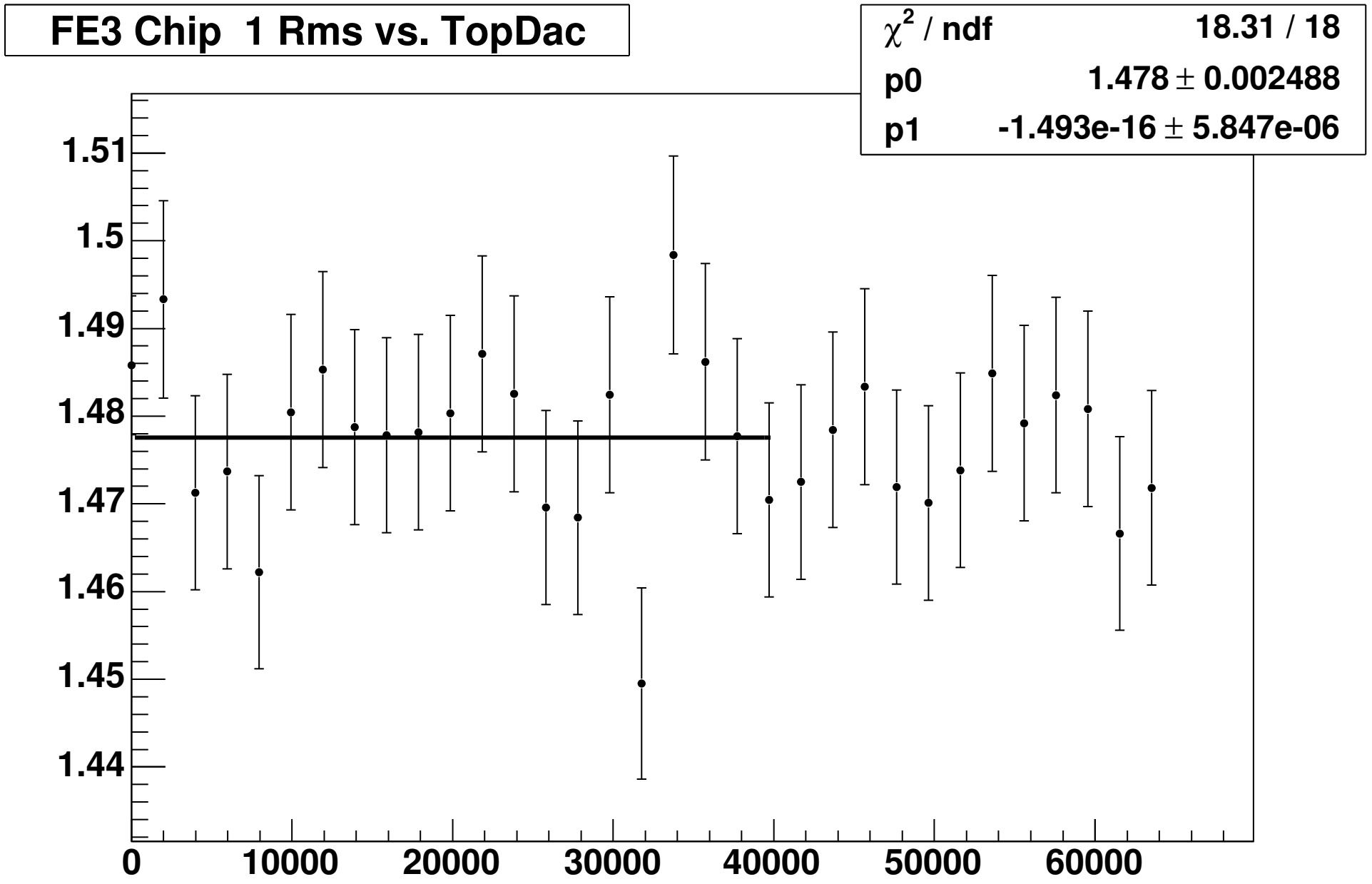

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 3.253e+04 / 18
p0 -9.036 ± 0.007184
p1 0.4501 ± 3.343e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 386.5 / 18
p0 1.336 ± 0.003897
p1 3.427e-05 ± 2.747e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 349.9 / 18
p0 -7.612 ± 0.007292
p1 3.244e-06 ± 3.066e-07
-7.4
-7.45
-7.5
-7.55
-7.6
-7.65
-7.7
-7.75
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 18.31 / 18
p0 1.478 ± 0.002488
p1 -1.493e-16 ± 5.847e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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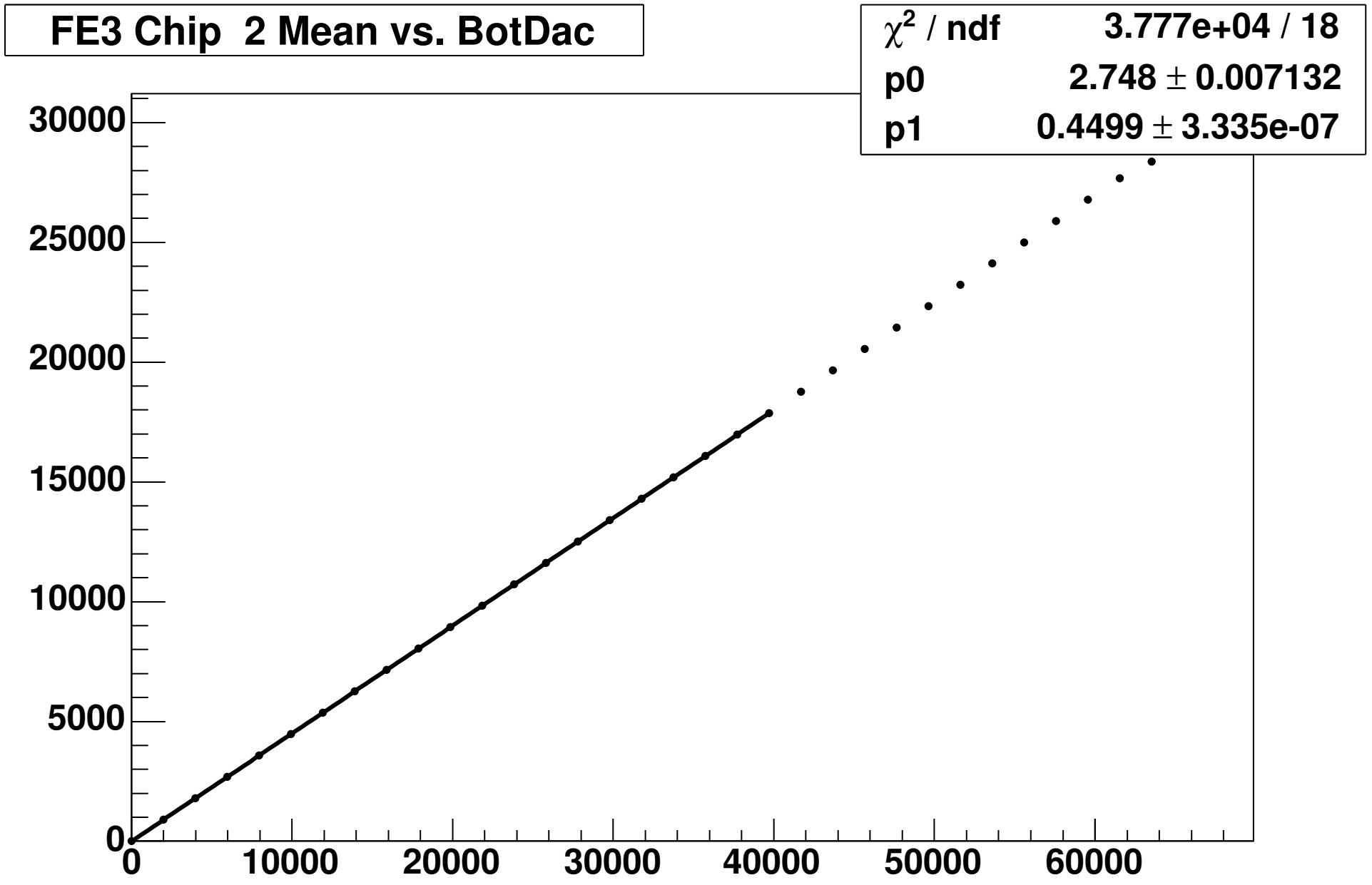
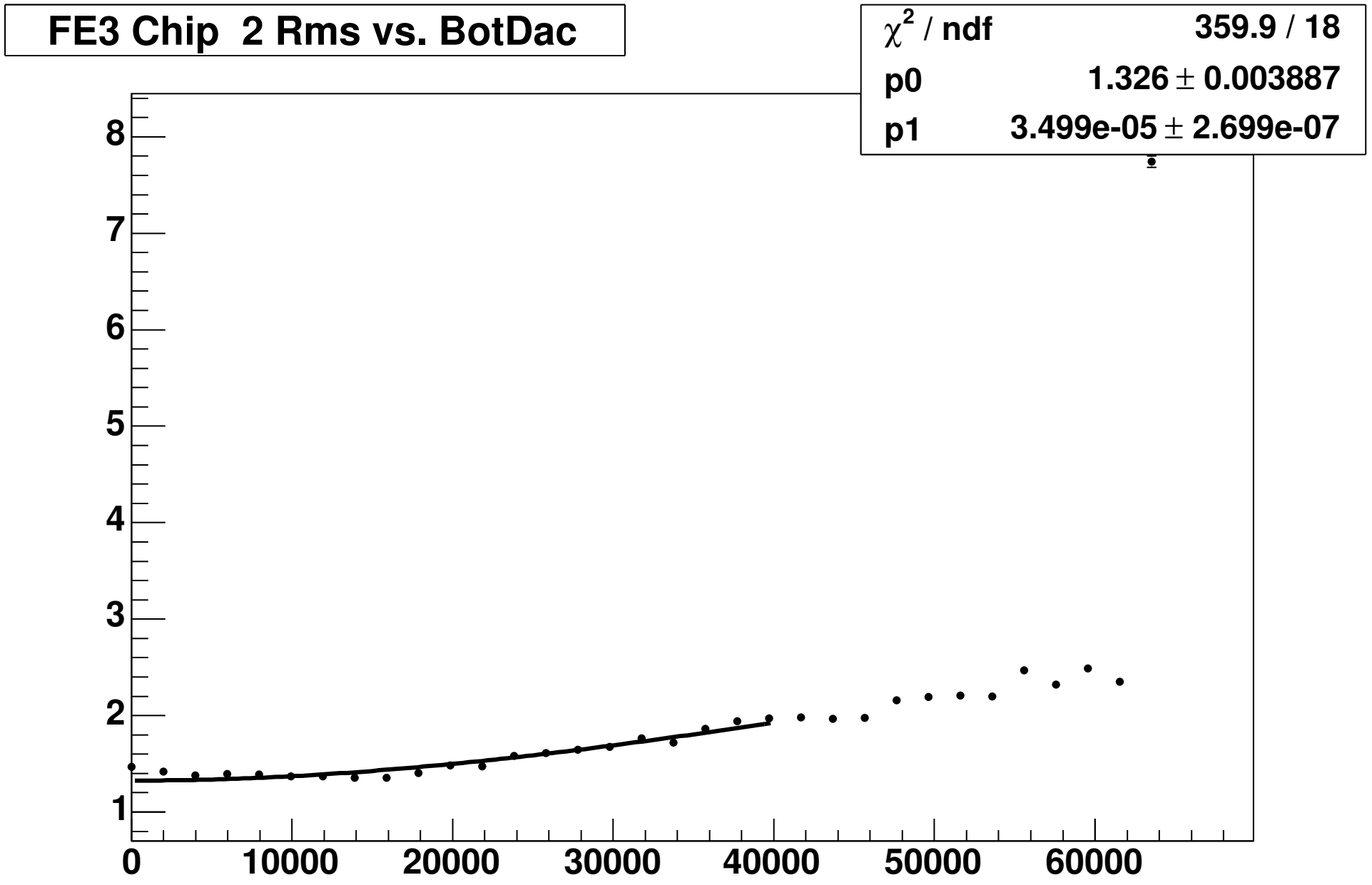
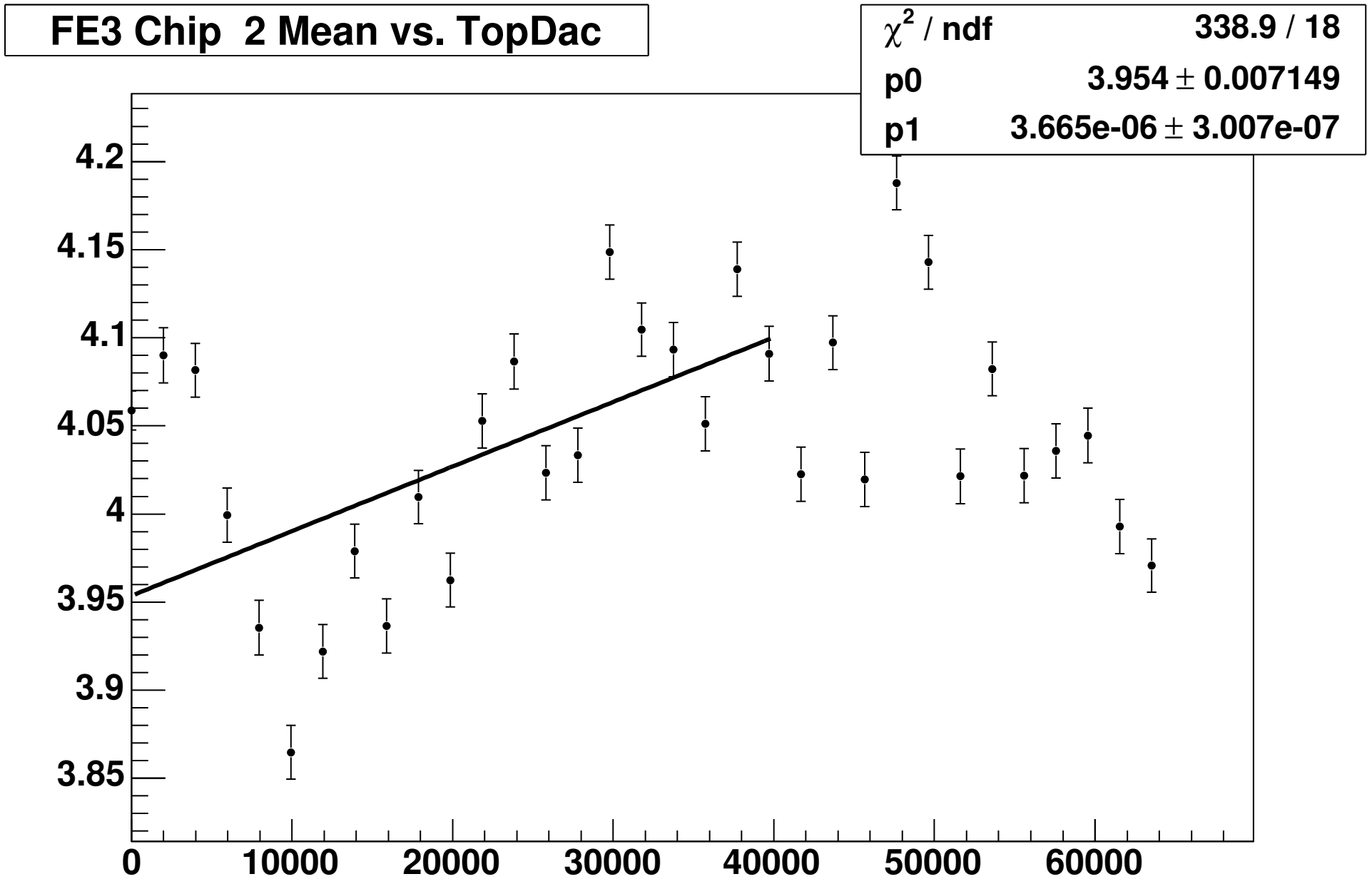
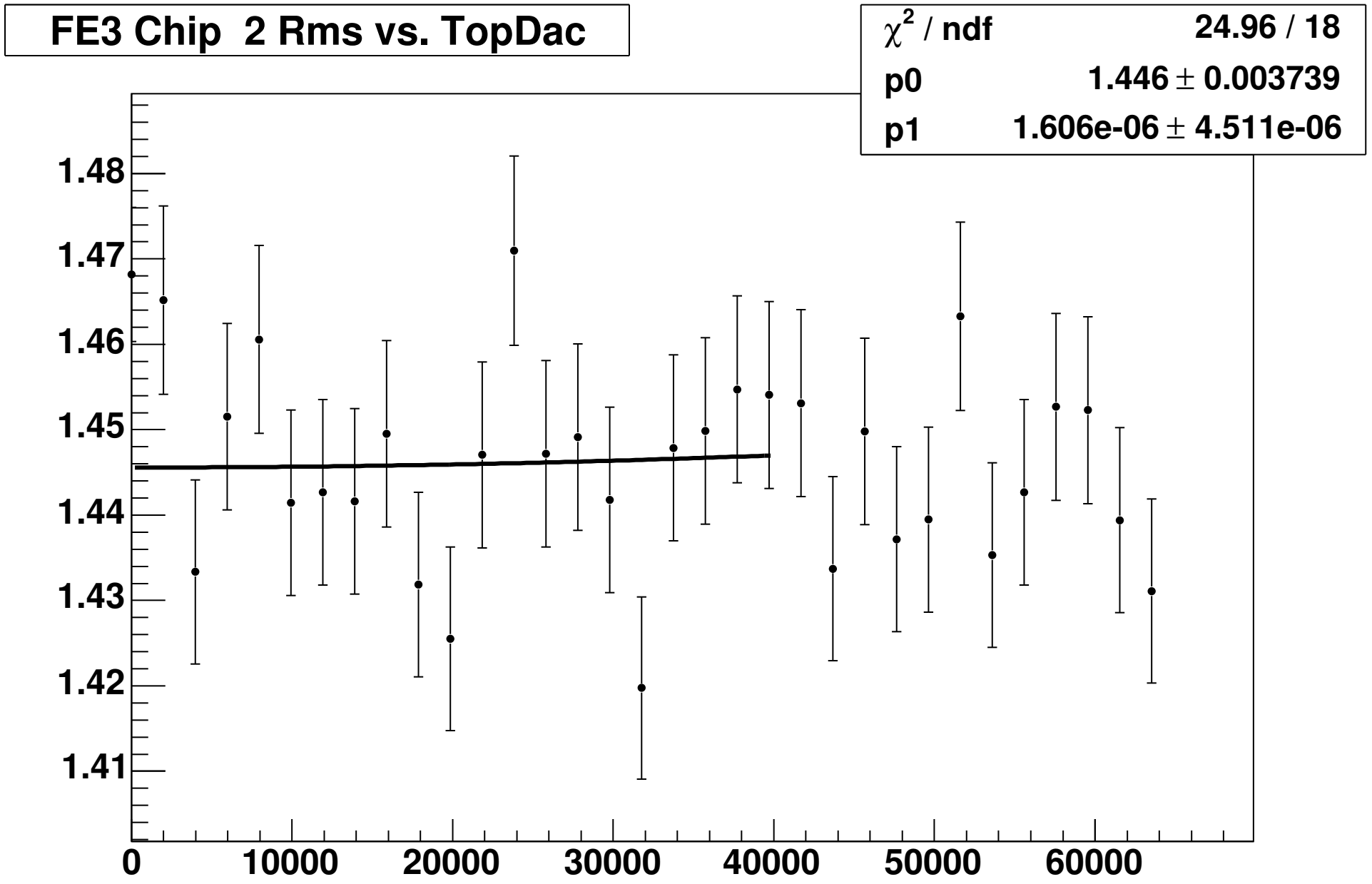
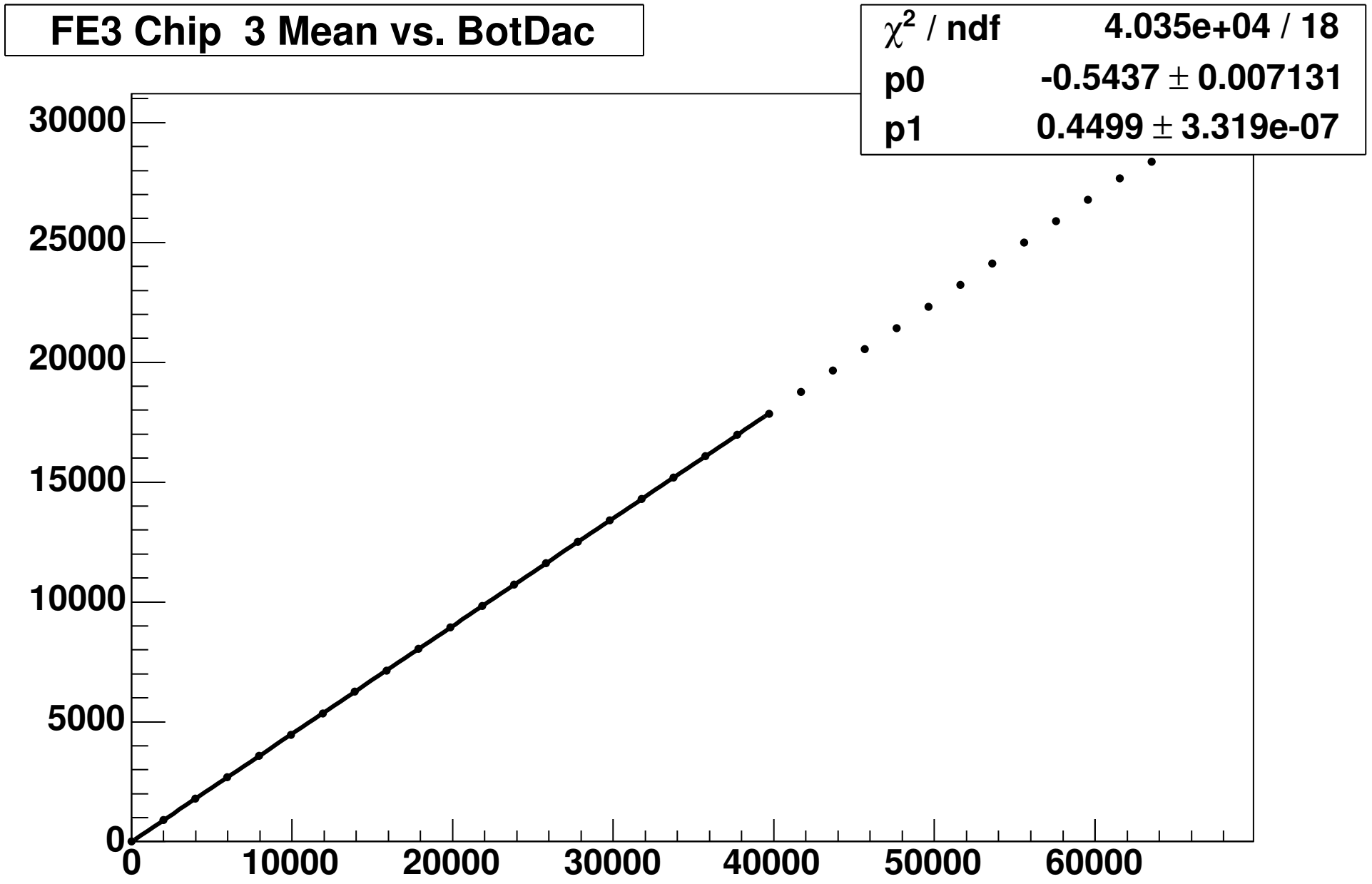
30000
40000
50000
60000

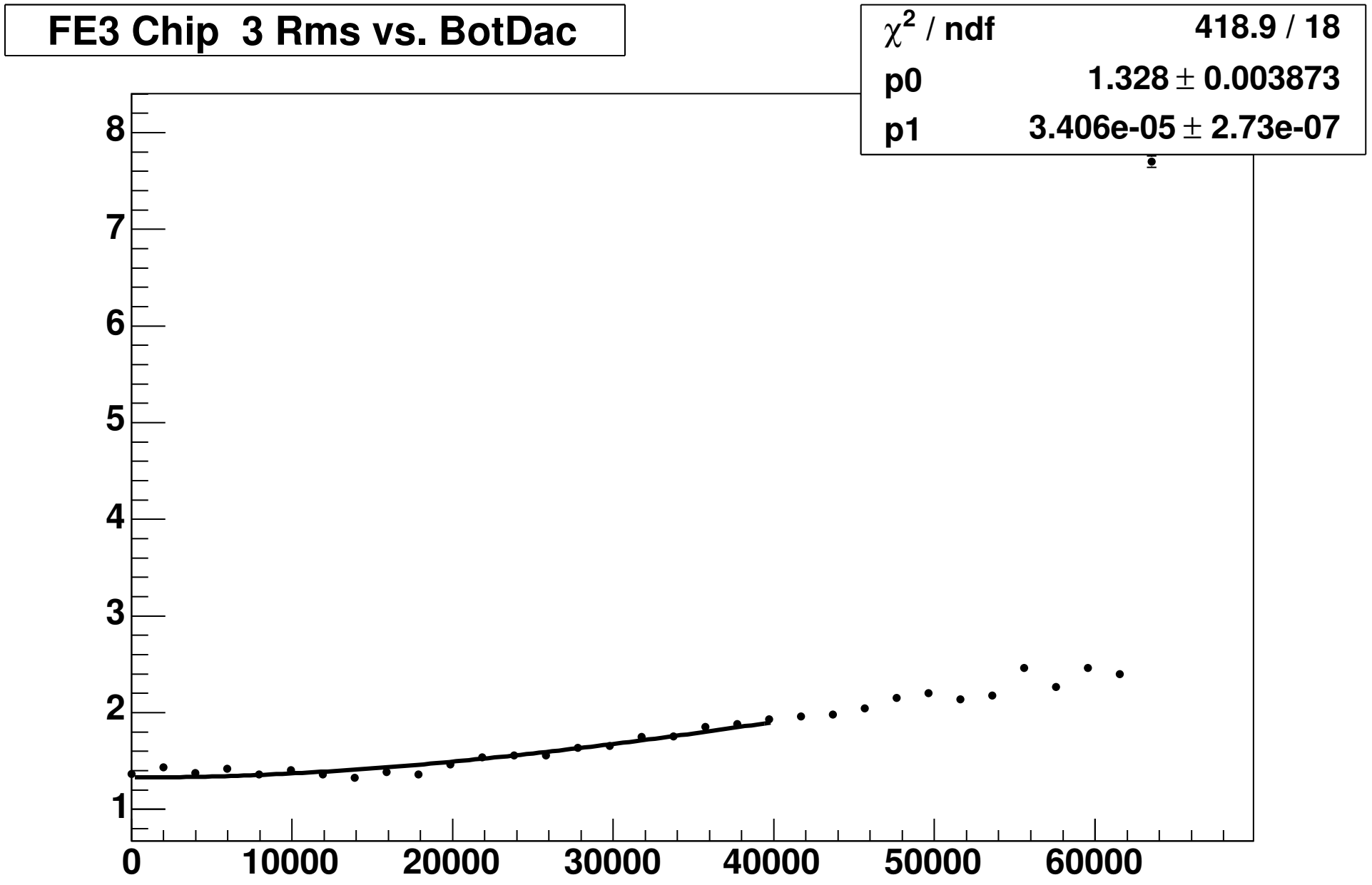

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 3.777e+04 / 18
p0 2.748 ± 0.007132
p1 0.4499 ± 3.335e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

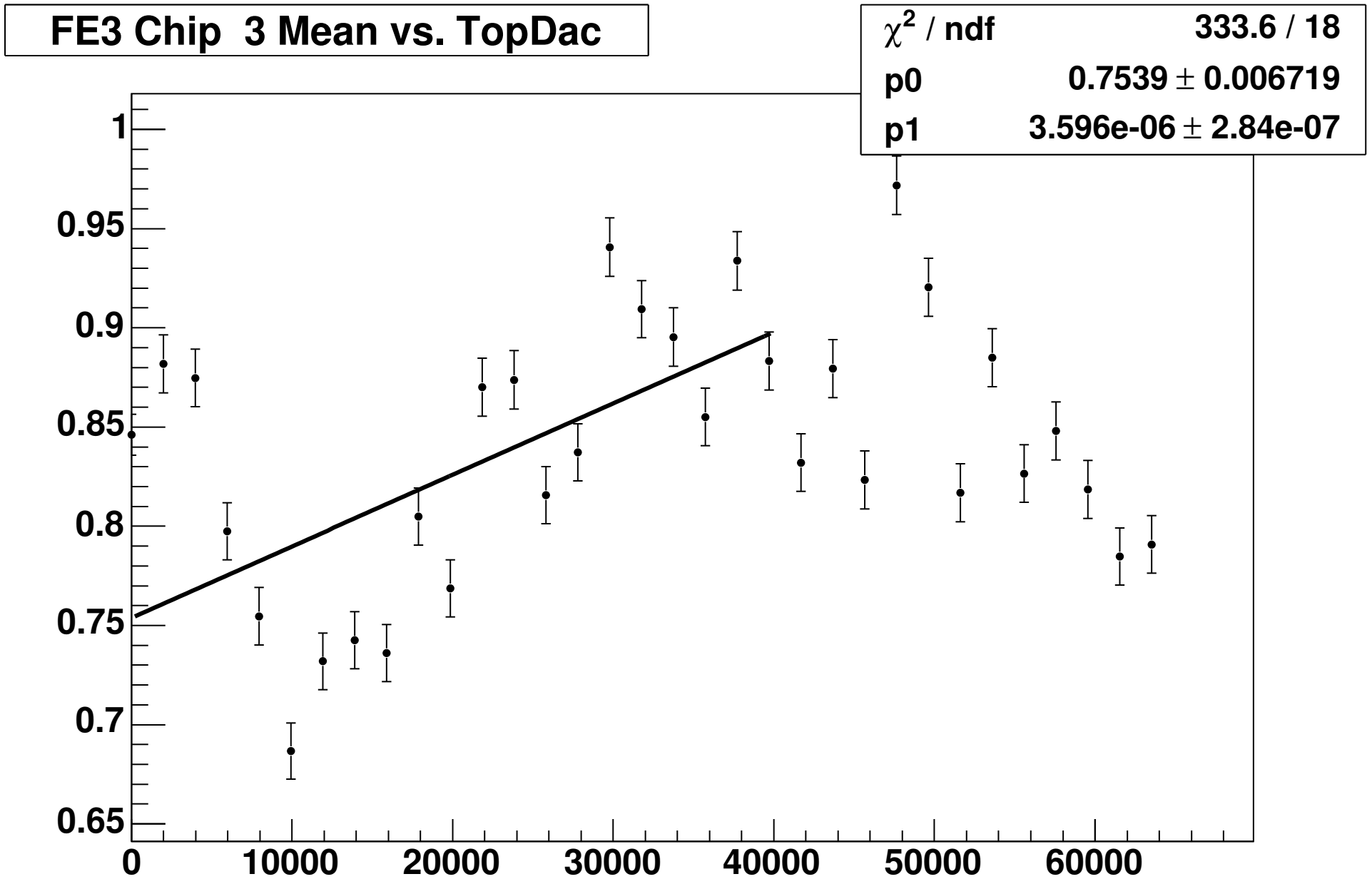

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 359.9 / 18
p0 1.326 ± 0.003887
p1 3.499e-05 ± 2.699e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

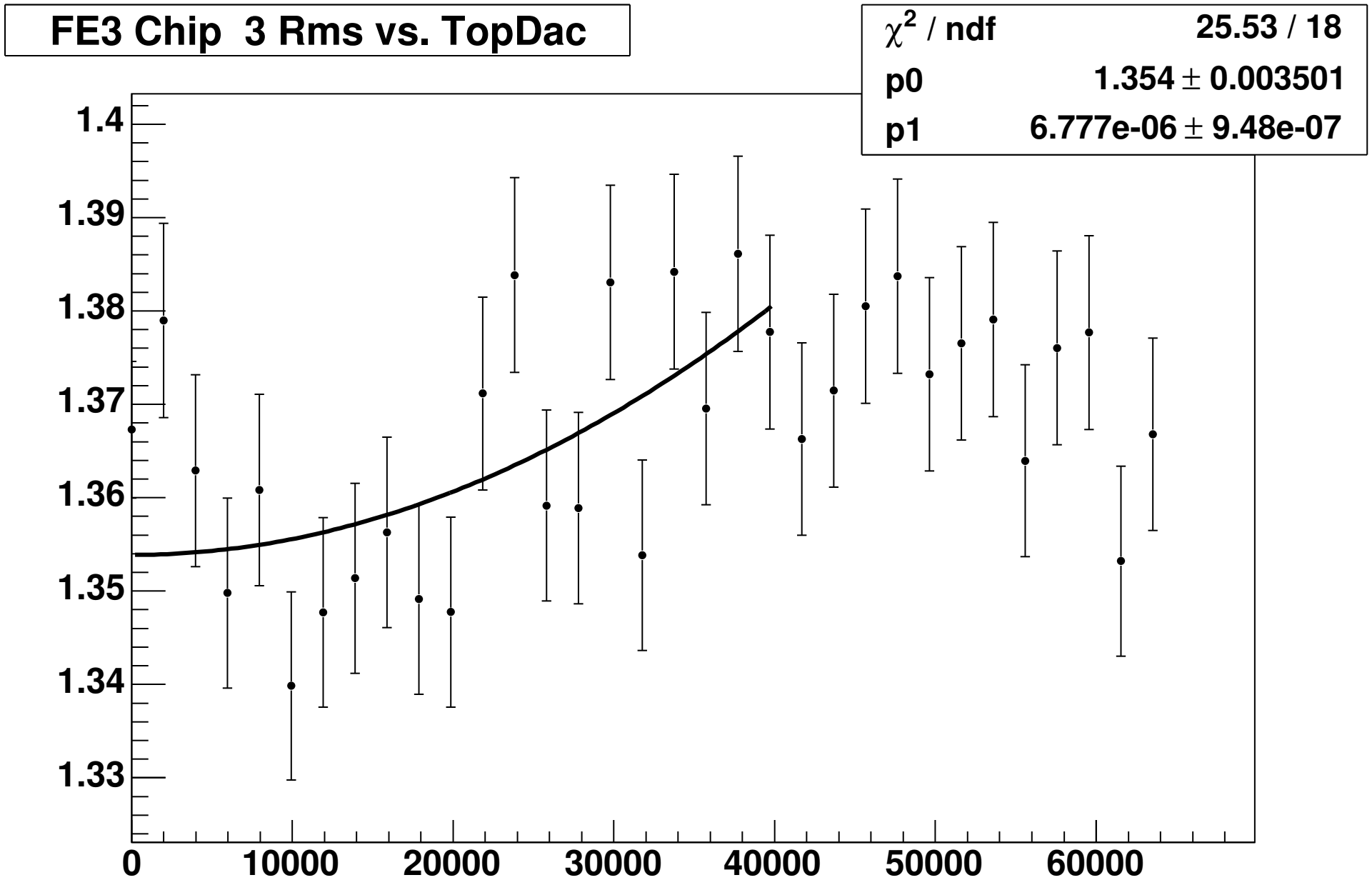

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 338.9 / 18
p0 3.954 ± 0.007149
p1 3.665e-06 ± 3.007e-07
4.2
4.15
4.1
4.05
4
3.95
3.9
3.85
0
10000
20000
30000
40000
50000
60000

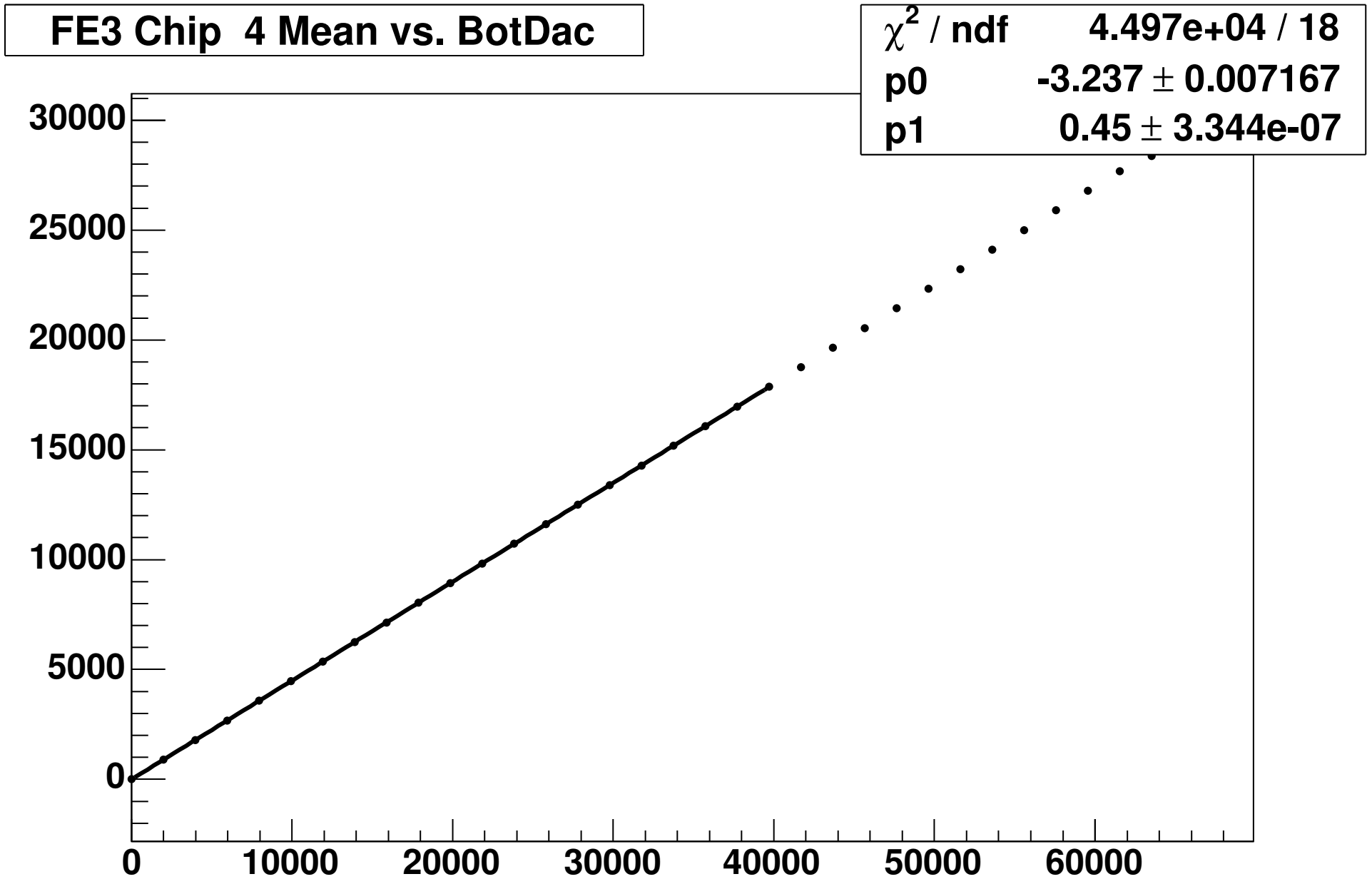

FE3 Chip 2 Rms vs. TopDac
χ^2 / ndf 24.96 / 18
p0 1.446 ± 0.003739
p1 1.606e-06 ± 4.511e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

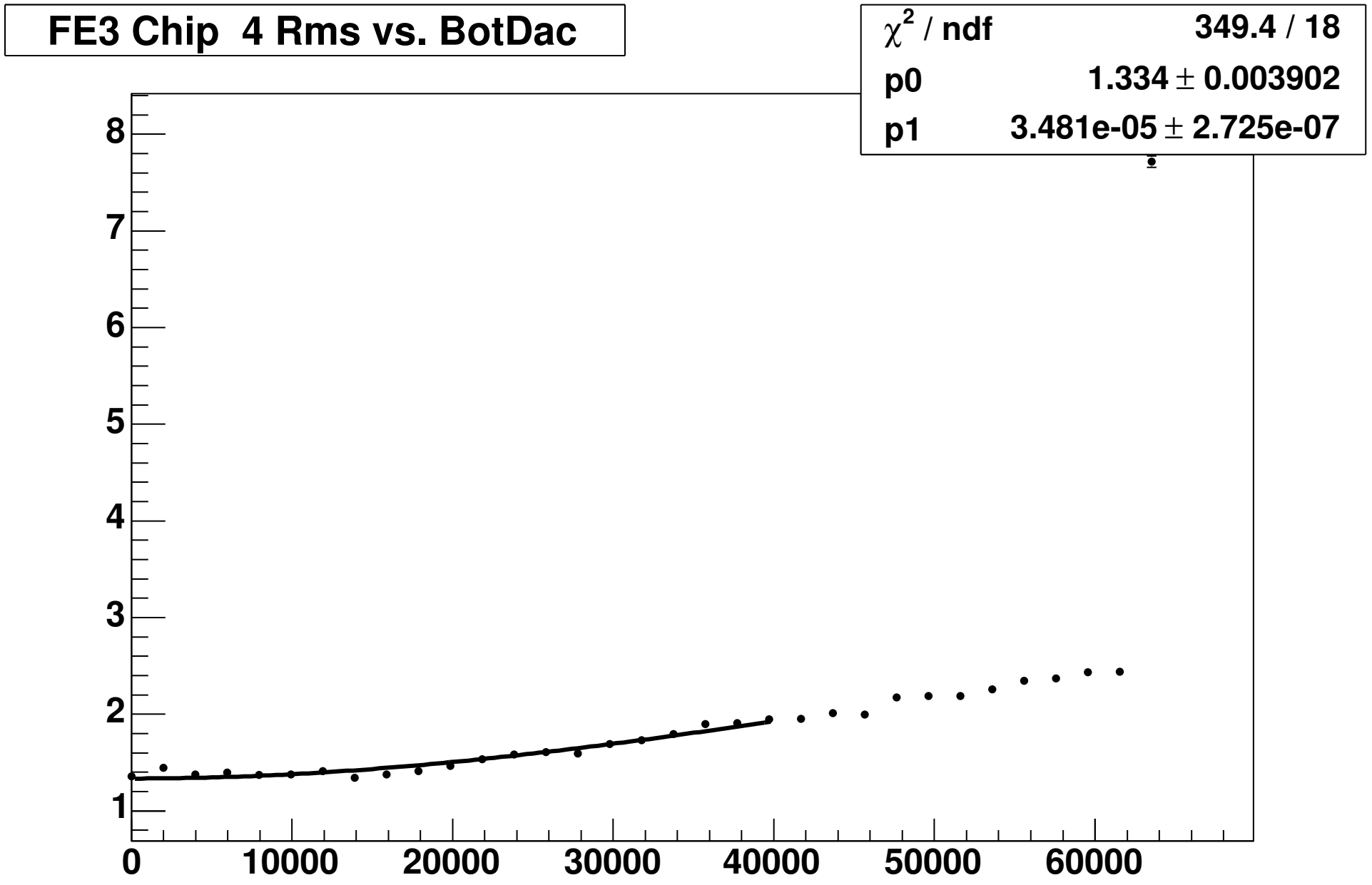

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 4.035e+04 / 18
p0 -0.5437 ± 0.007131
p1 0.4499 ± 3.319e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

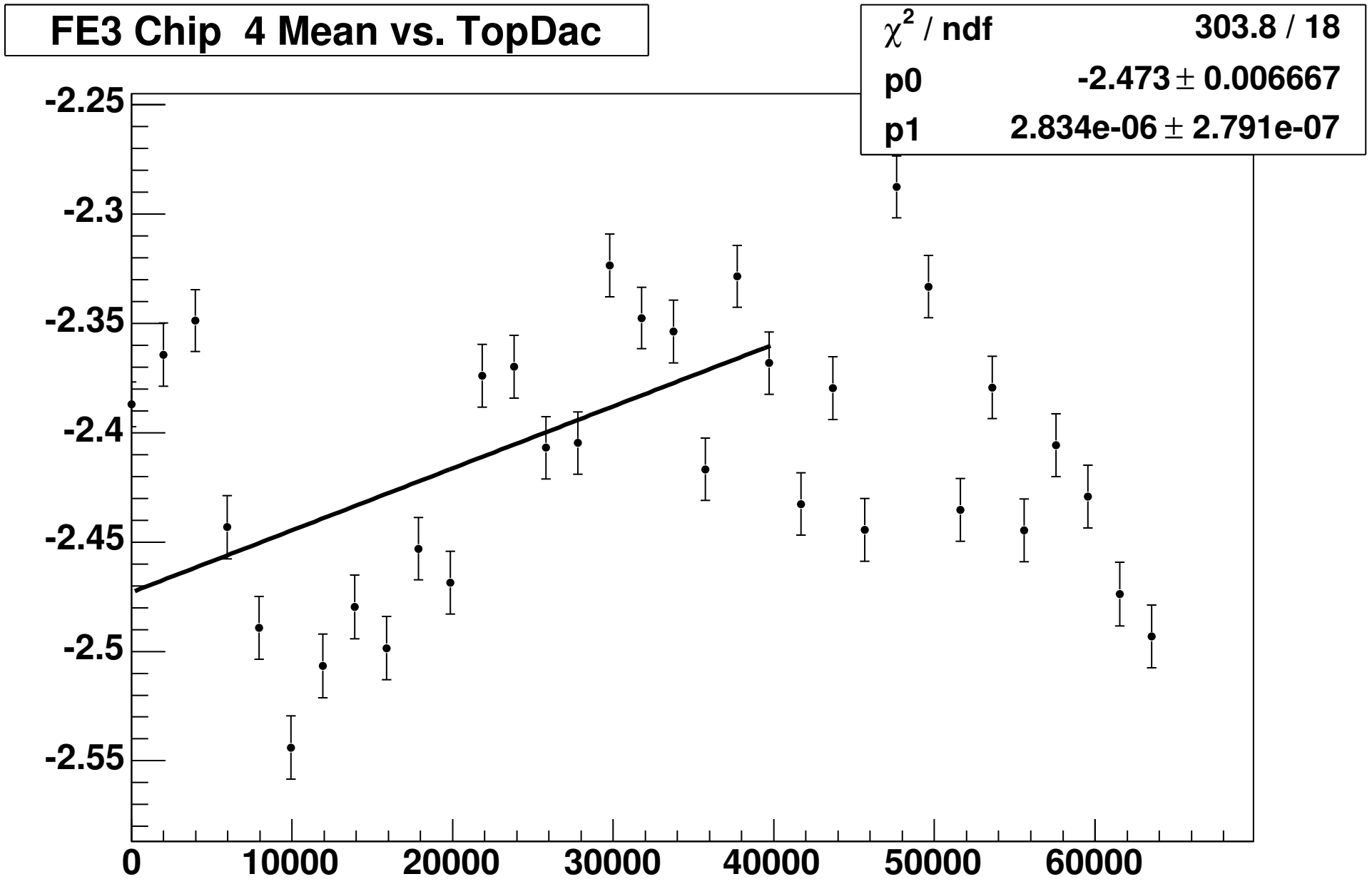

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 418.9 / 18
p0 1.328 ± 0.003873
p1 3.406e-05 ± 2.73e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

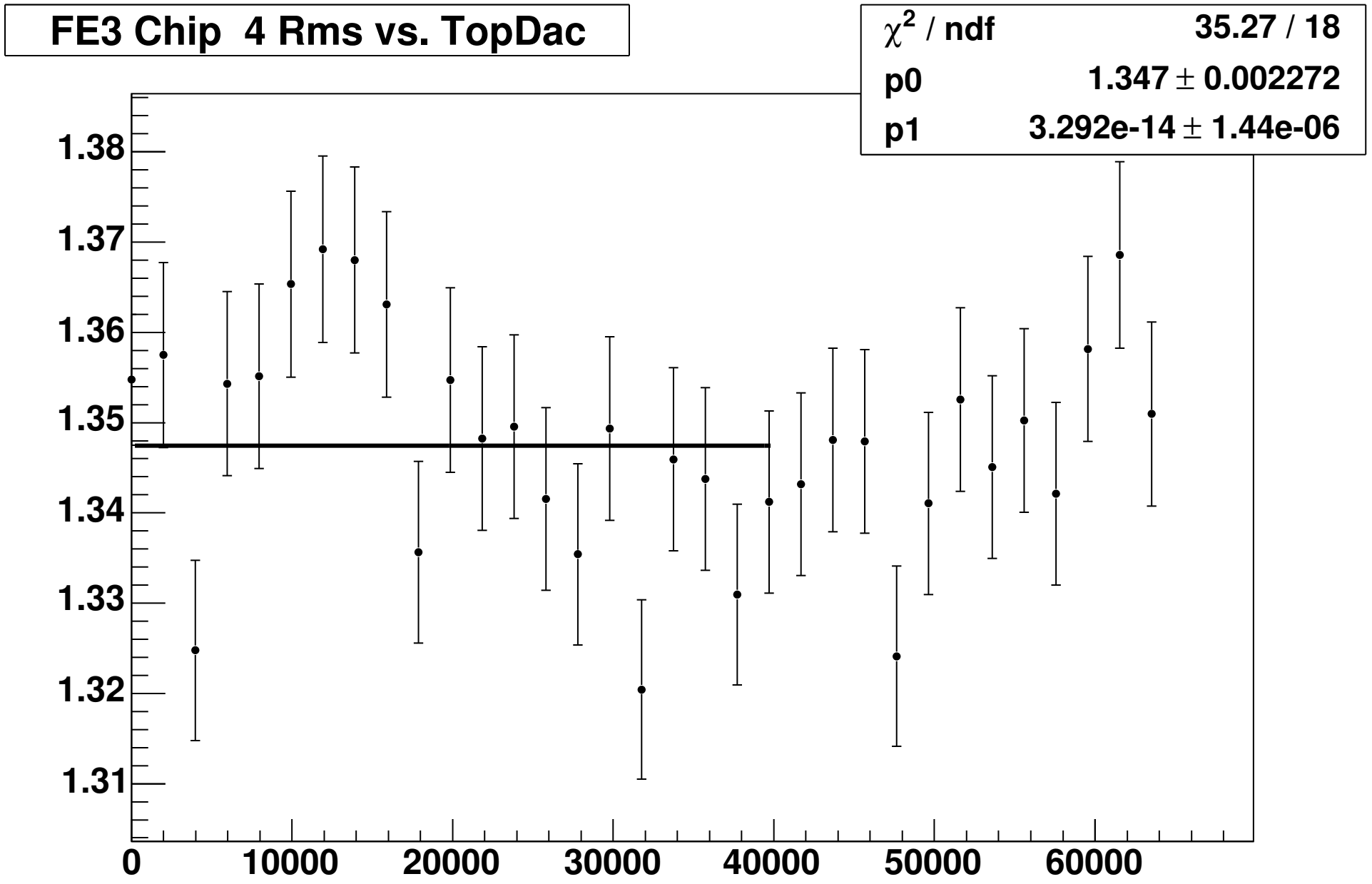

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 333.6 / 18
p0 0.7539 ± 0.006719
p1 3.596e-06 ± 2.84e-07
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 25.53 / 18
p0 1.354 ± 0.003501
p1 6.777e-06 ± 9.48e-07
1.4
1.39
1.38
1.37
1.36
1.35
1.34
1.33
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 4.497e+04 / 18
p0 -3.237 ± 0.007167
p1 0.45 ± 3.344e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 349.4 / 18
p0 1.334 ± 0.003902
p1 3.481e-05 ± 2.725e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 303.8 / 18
p0 -2.473 ± 0.006667
p1 2.834e-06 ± 2.791e-07
-2.25
-2.3
-2.35
-2.4
-2.45
-2.5
-2.55
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 35.27 / 18
p0 1.347 ± 0.002272
p1 3.292e-14 ± 1.44e-06
1.38
1.37
1.36
1.35
1.34
1.33
1.32
1.31
0
10000
20000
30000
40000
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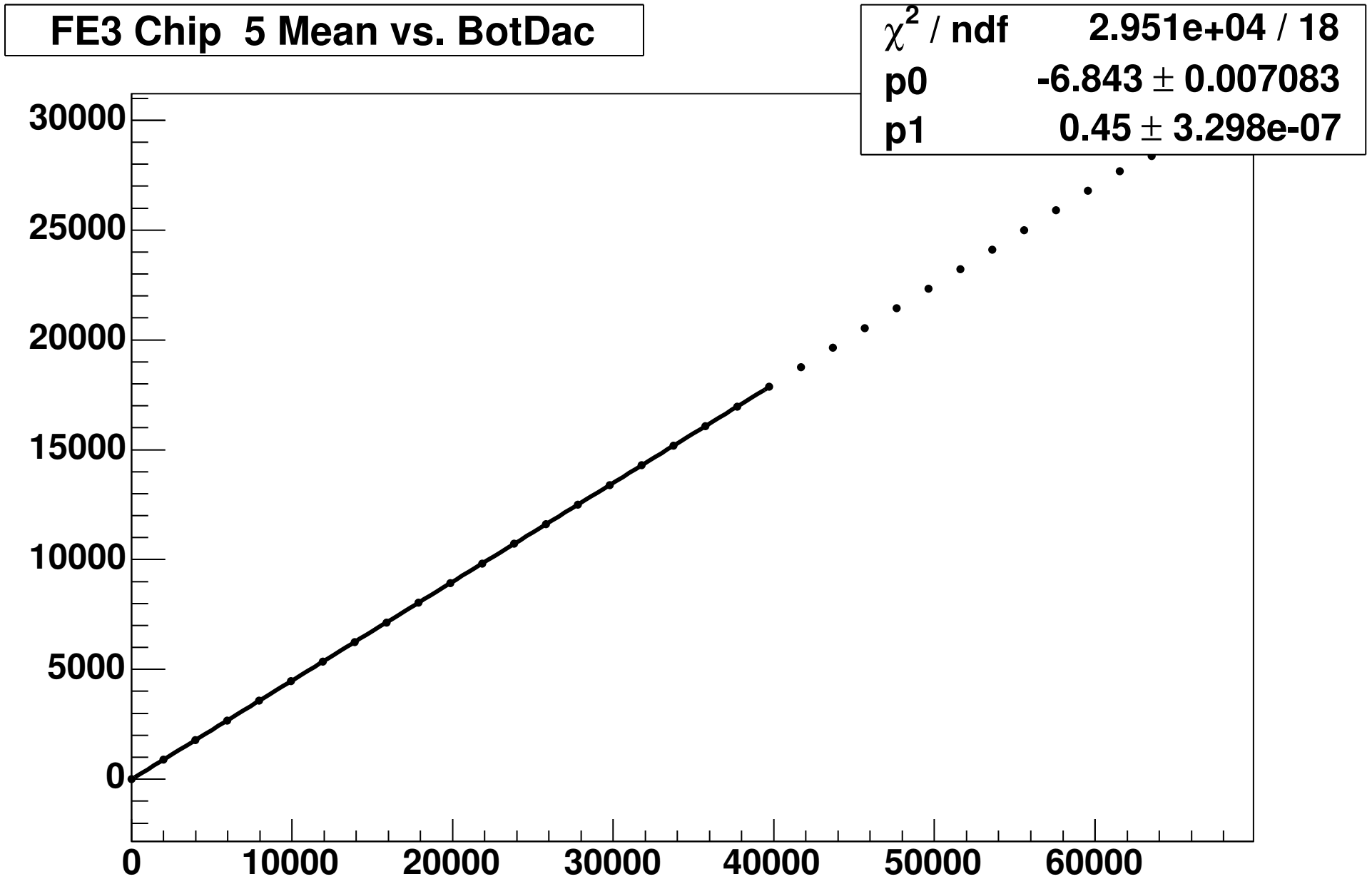
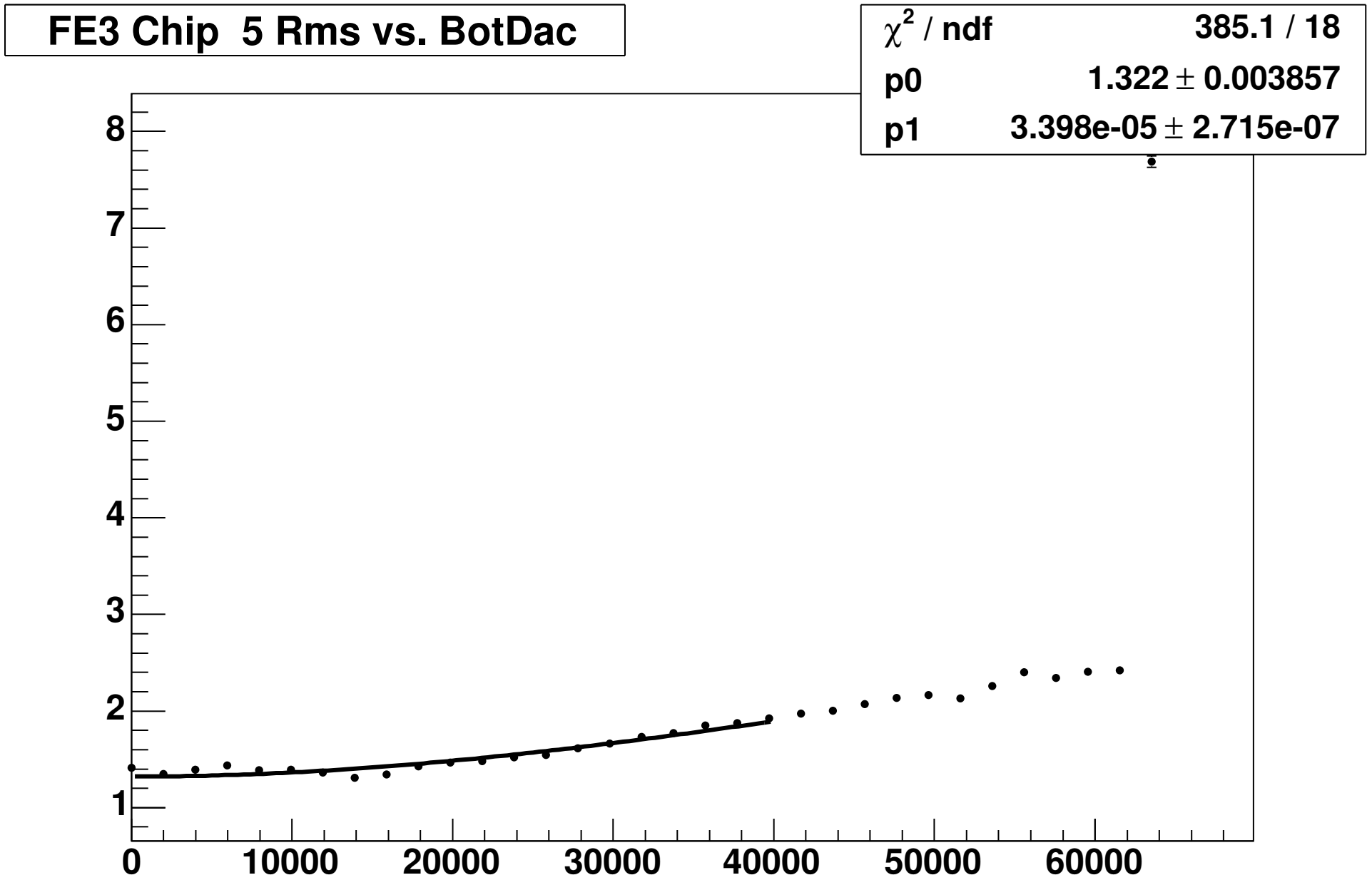
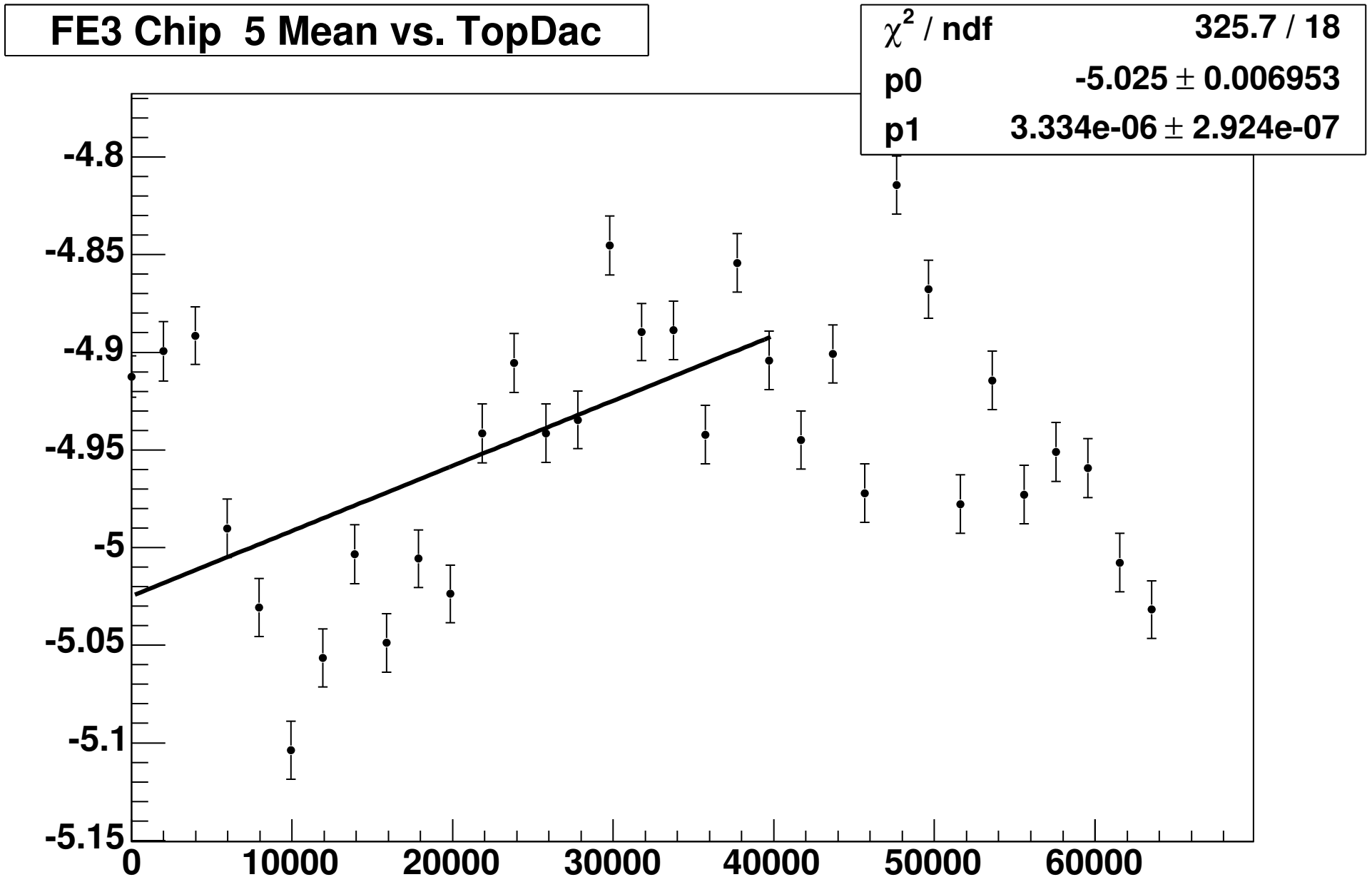
60000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 2.951e+04 / 18
p0 -6.843 ± 0.007083
p1 0.45 ± 3.298e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 385.1 / 18
p0 1.322 ± 0.003857
p1 3.398e-05 ± 2.715e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 325.7 / 18
p0 -5.025 ± 0.006953
p1 3.334e-06 ± 2.924e-07
-4.8
-4.85
-4.9
-4.95
-5
-5.05
-5.1
-5.15
0
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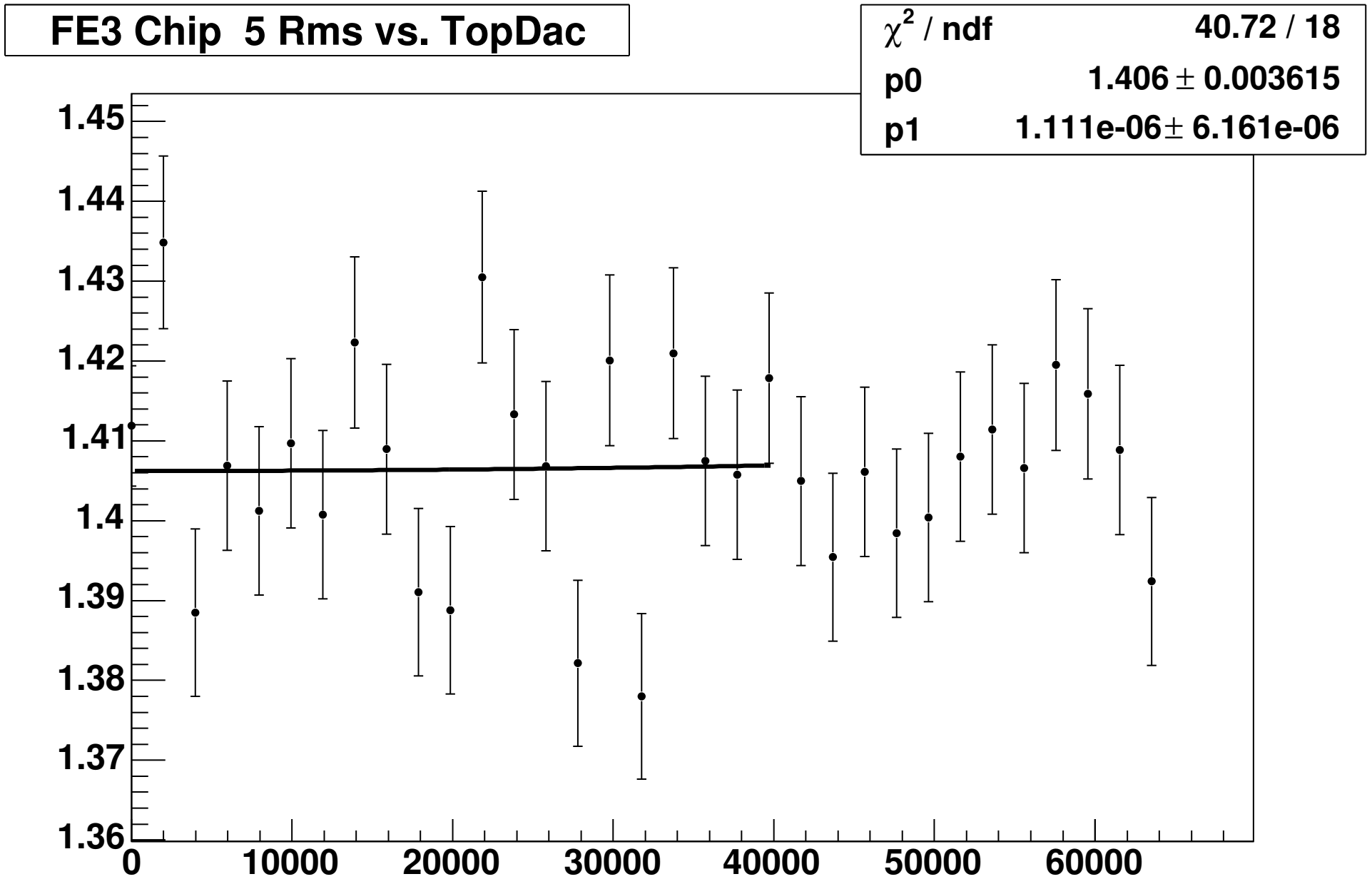
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 40.72 / 18
p0 1.406 ± 0.003615
p1 1.111e-06 ± 6.161e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
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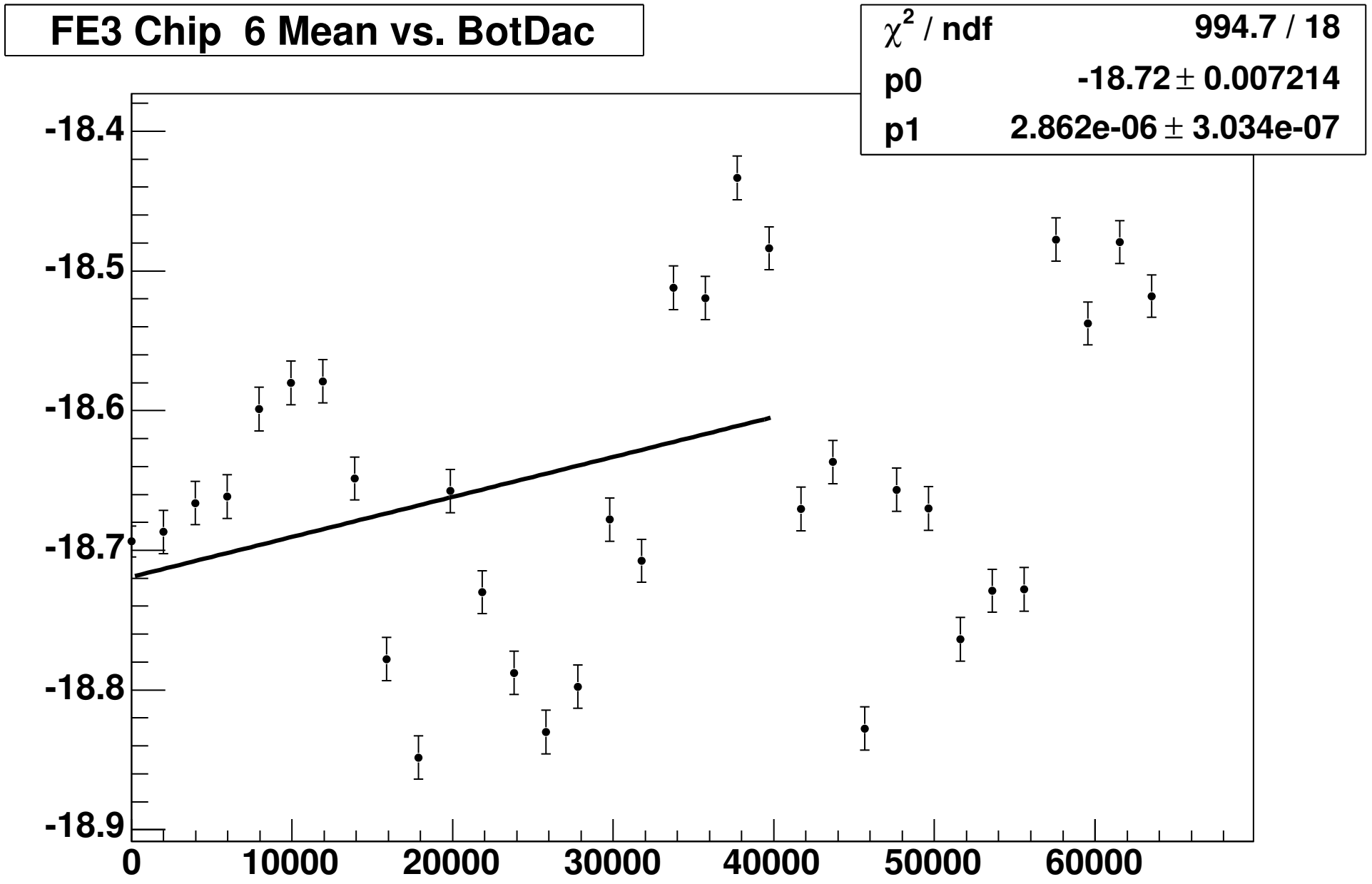
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 994.7 / 18
p0 -18.72 ± 0.007214
p1 2.862e-06 ± 3.034e-07
-18.4
-18.5
-18.6
-18.7
-18.8
-18.9
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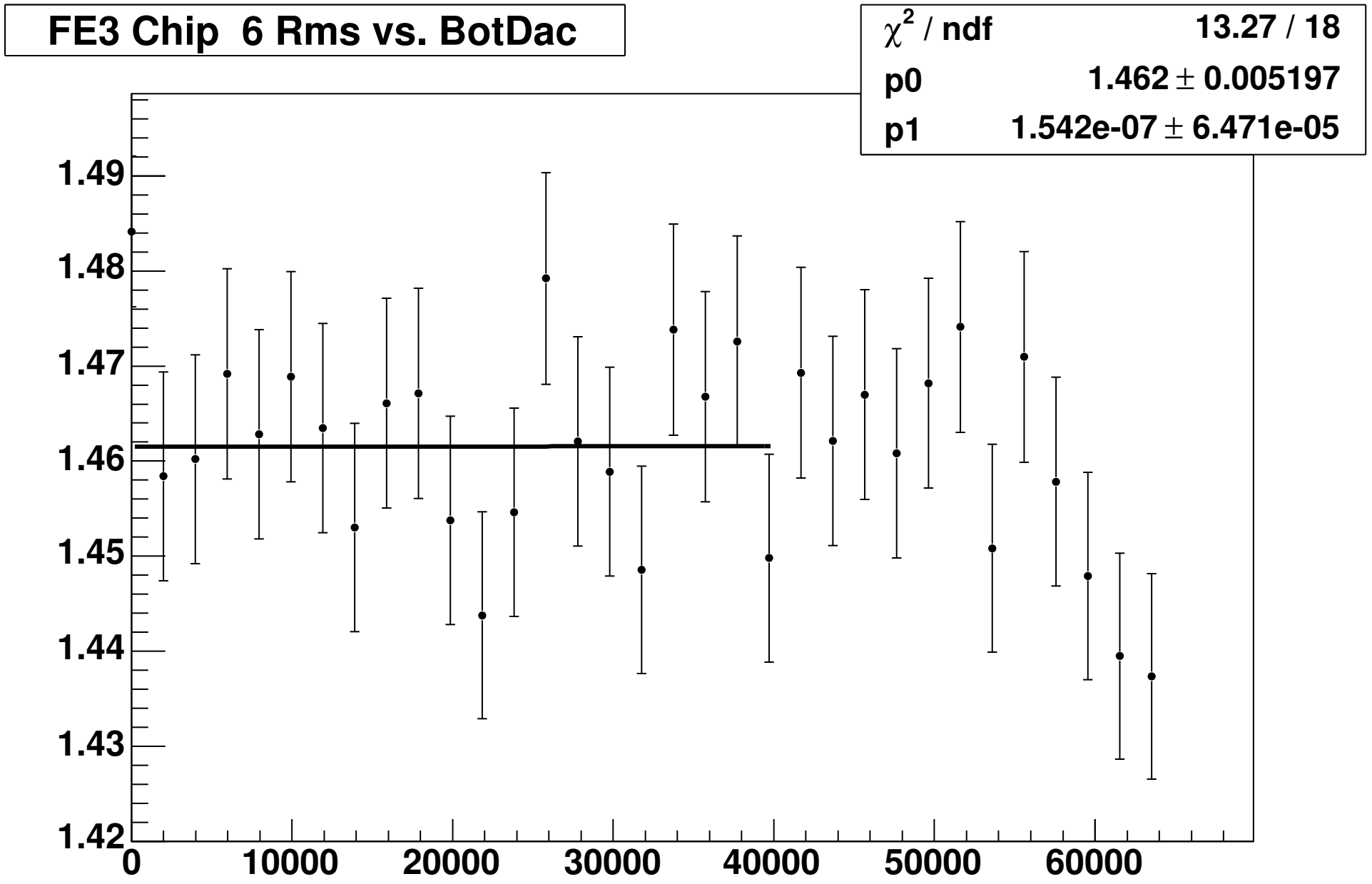
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 13.27 / 18
p0 1.462 ± 0.005197
p1 1.542e-07 ± 6.471e-05
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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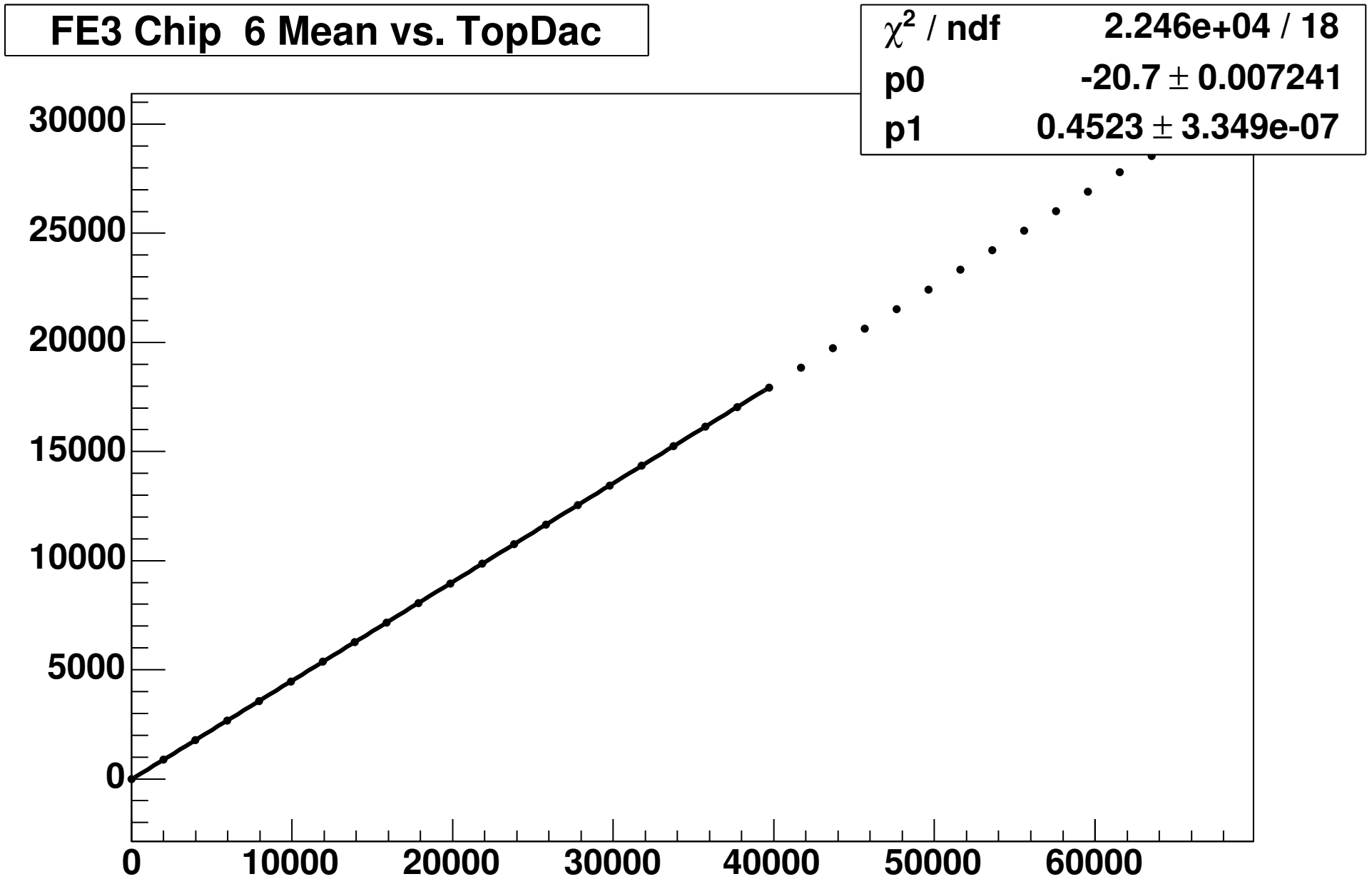
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 2.246e+04 / 18
p0 -20.7 ± 0.007241
p1 0.4523 ± 3.349e-07
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5000
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0
10000
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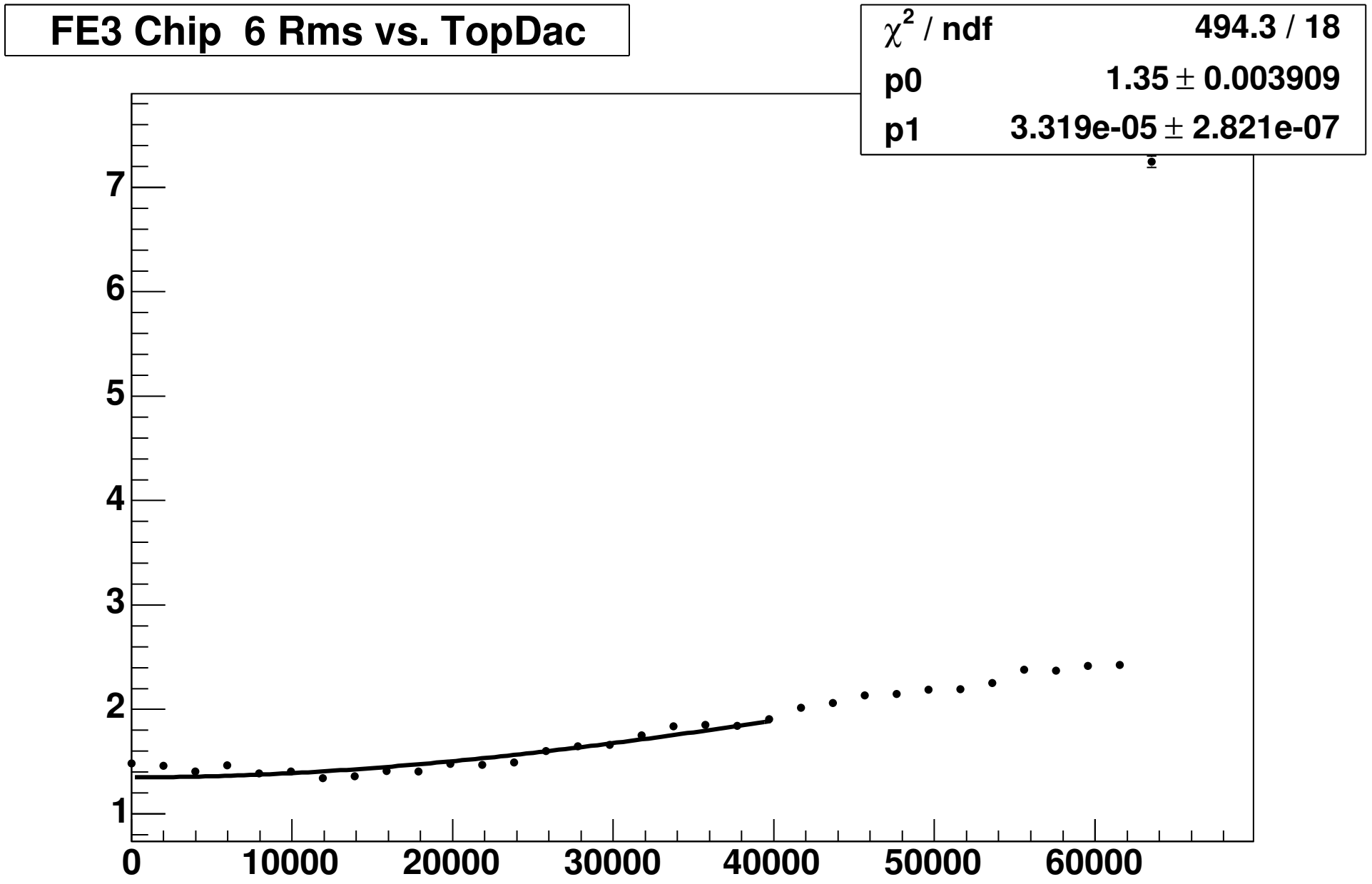
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 494.3 / 18
p0 1.35 ± 0.003909
p1 3.319e-05 ± 2.821e-07
7
6
5
4
3
2
1
0
10000
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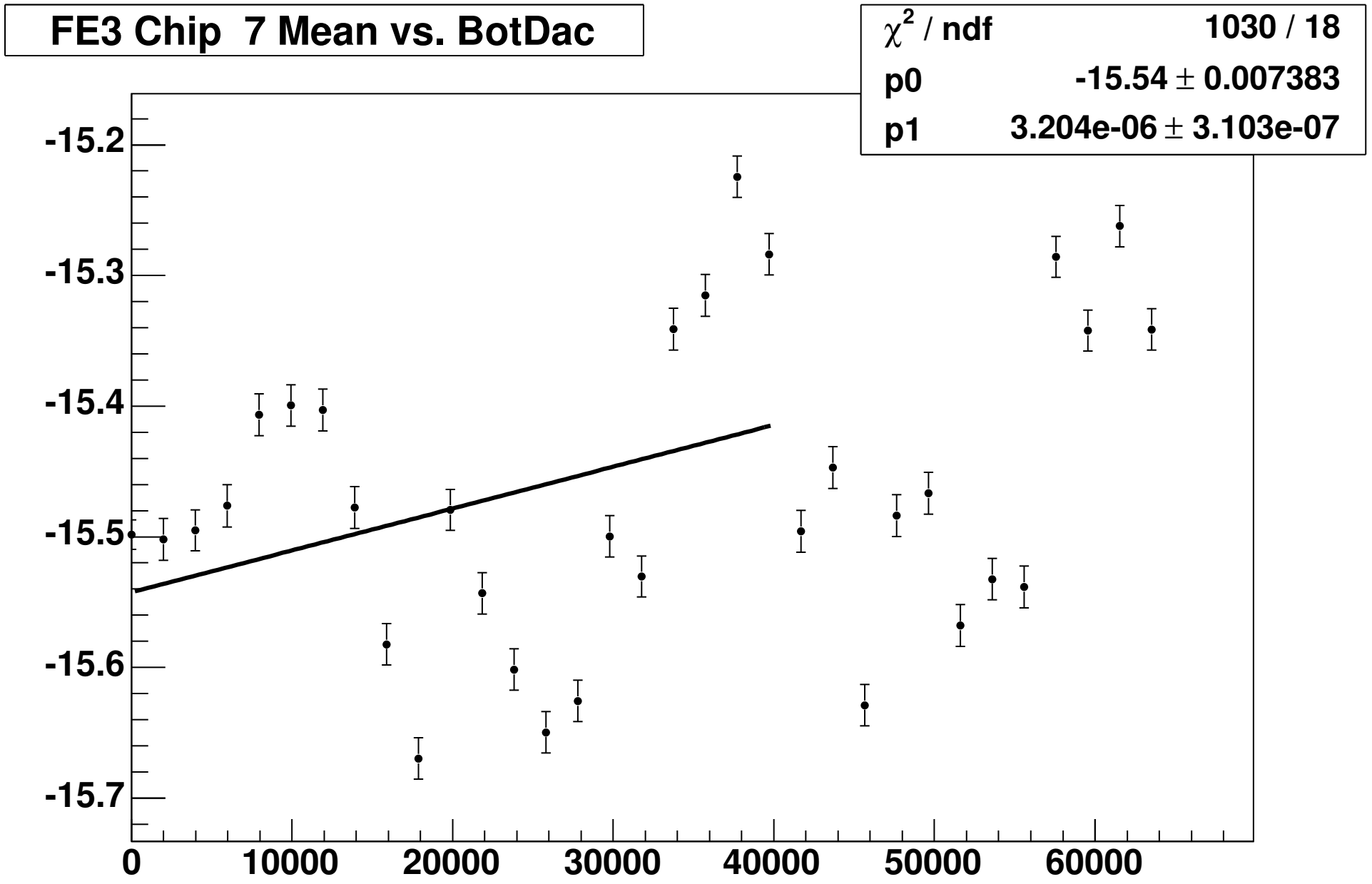
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1030 / 18
p0 -15.54 ± 0.007383
p1 3.204e-06 ± 3.103e-07
-15.2
-15.3
-15.4
-15.5
-15.6
-15.7
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10000
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50000
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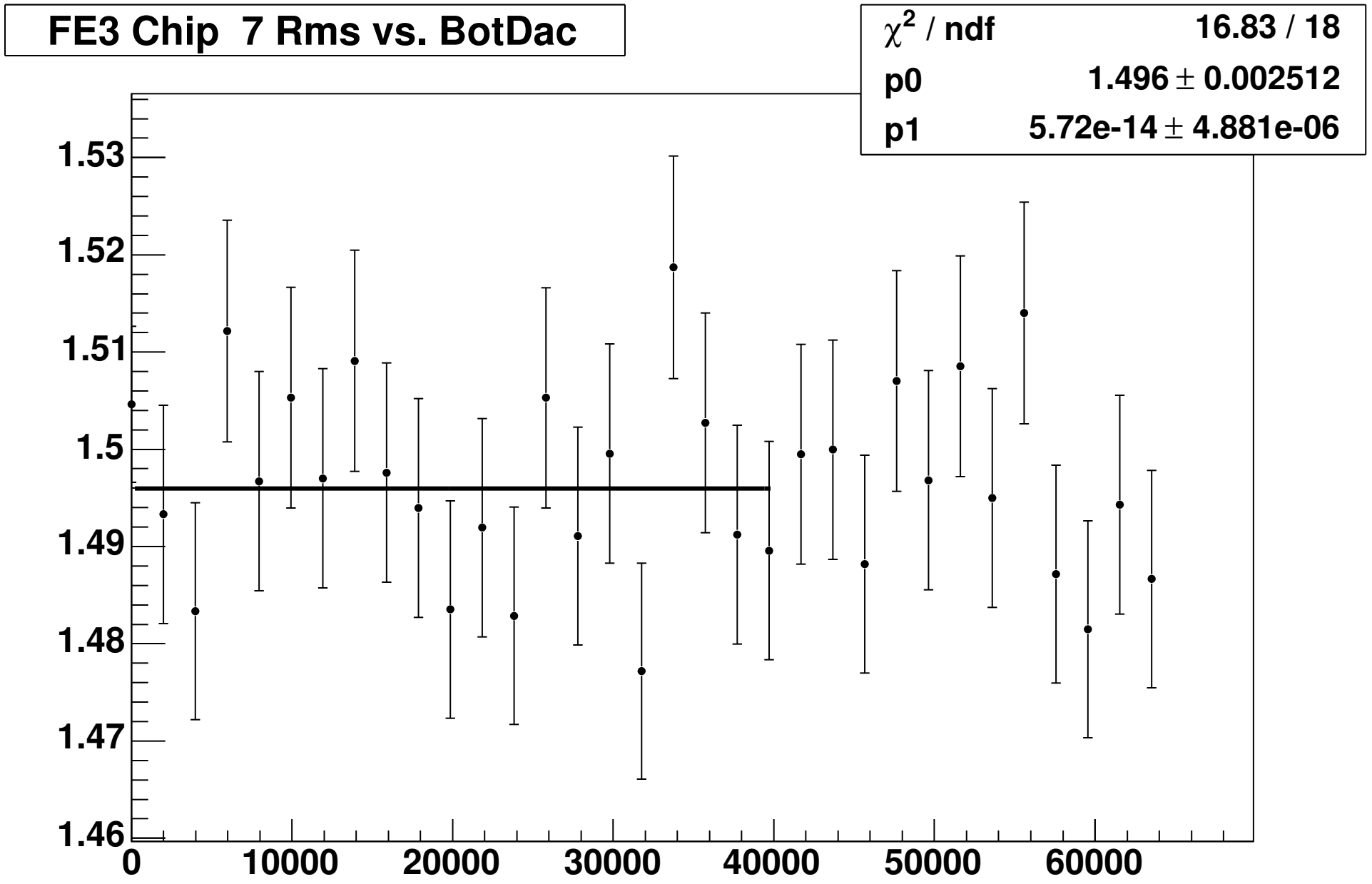
FE3 Chip 7 Rms vs. BotDac
χ² / ndf 16.83 / 18
p0 1.496 ± 0.002512
p1 5.72e-14 ± 4.881e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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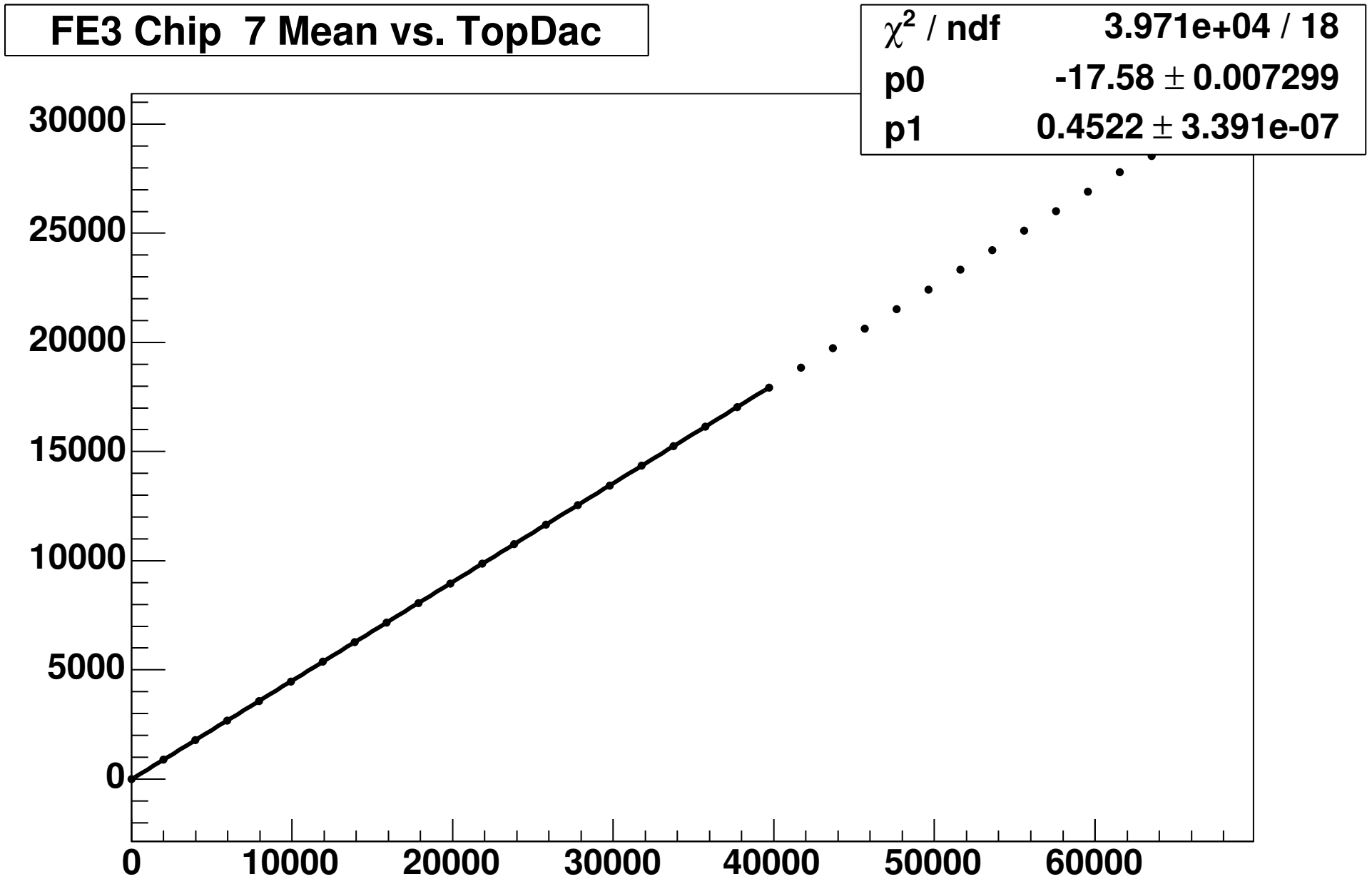
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 3.971e+04 / 18
p0 -17.58 ± 0.007299
p1 0.4522 ± 3.391e-07
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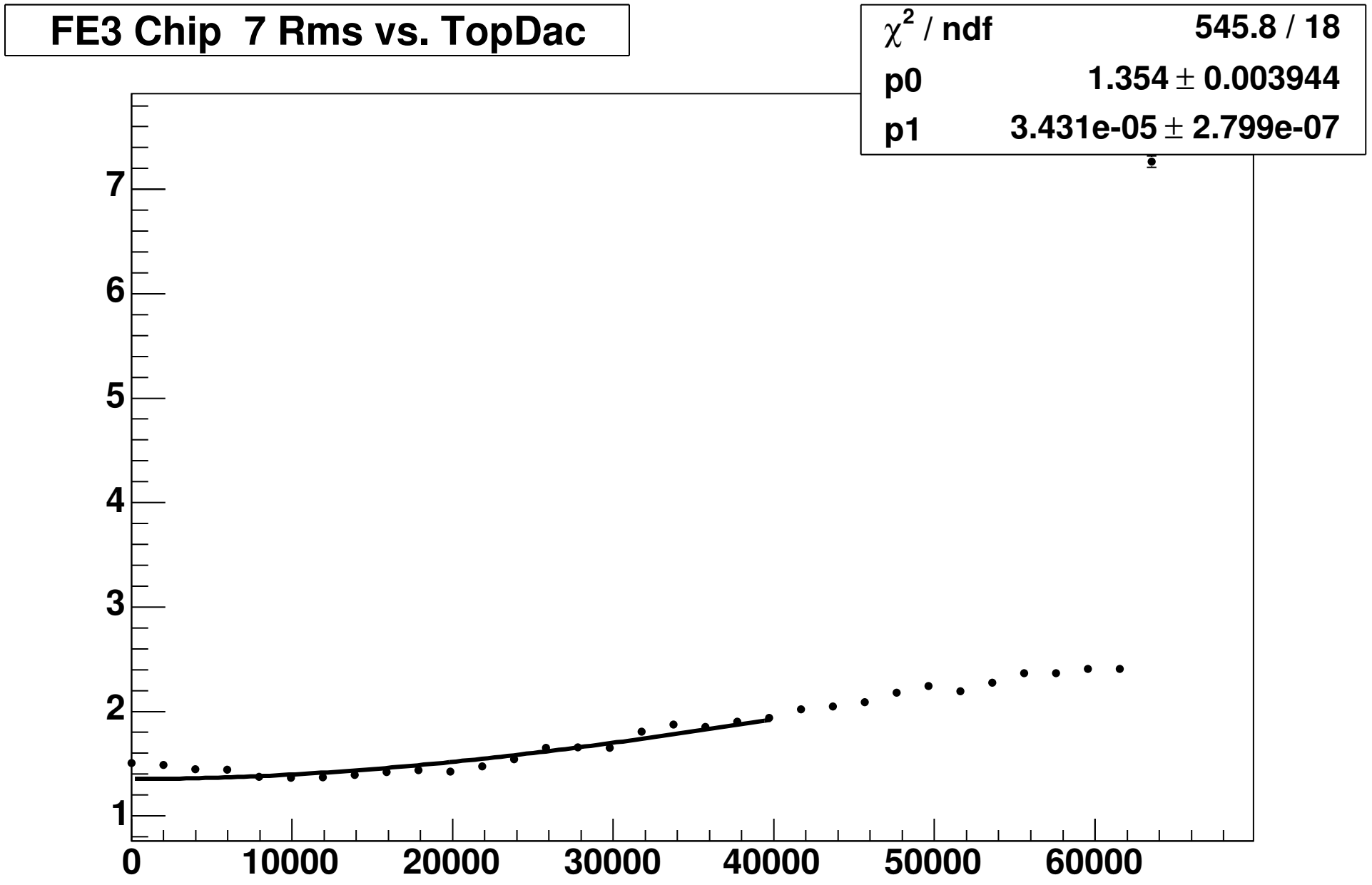
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 545.8 / 18
p0 1.354 ± 0.003944
p1 3.431e-05 ± 2.799e-07
7
6
5
4
3
2
1
0
10000
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30000
40000
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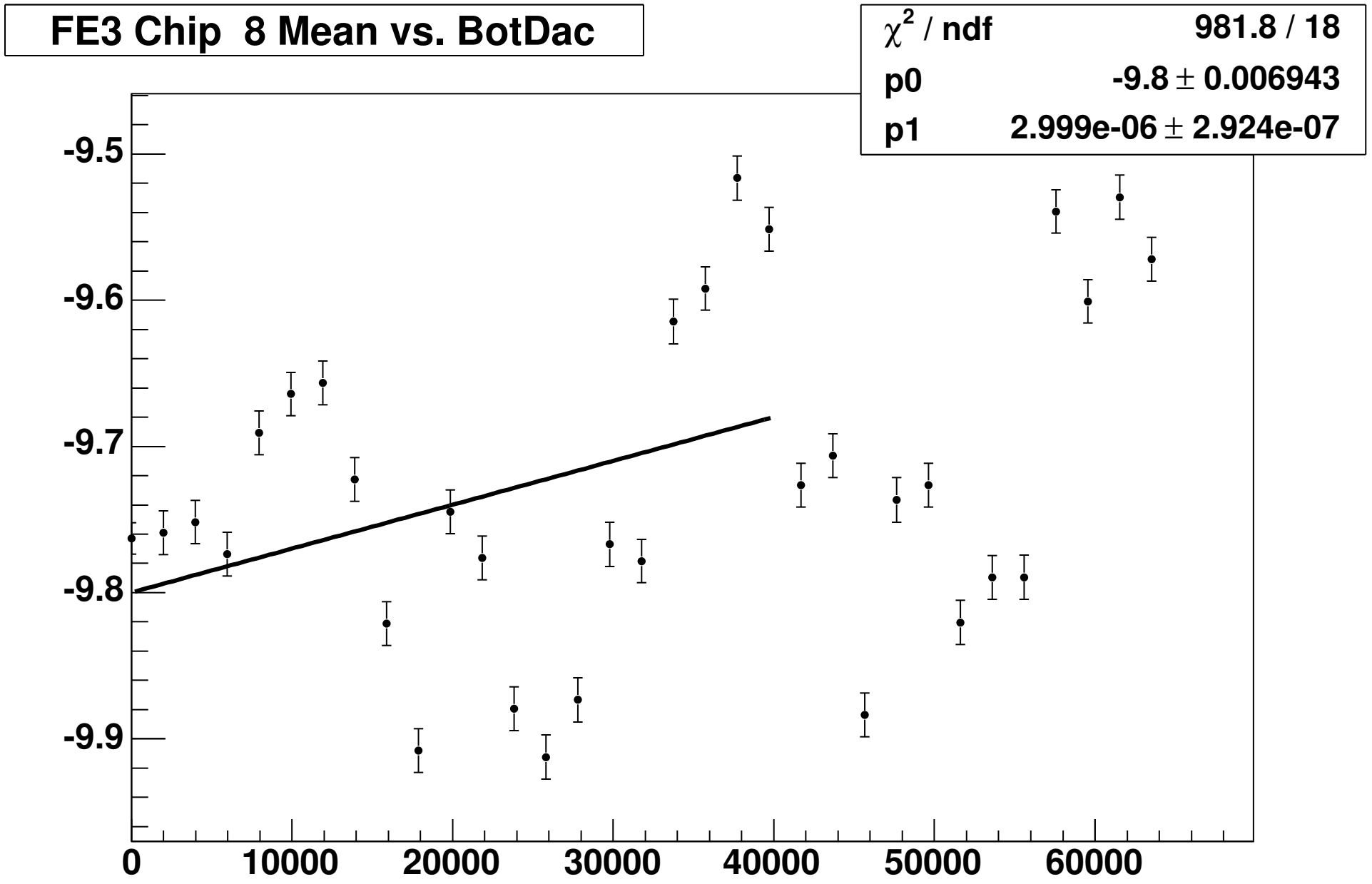
FE3 Chip 8 Mean vs. BotDac
χ^2 / ndf 981.8 / 18
p0 -9.8 ± 0.006943
p1 2.999e-06 ± 2.924e-07
-9.5
-9.6
-9.7
-9.8
-9.9
0
10000
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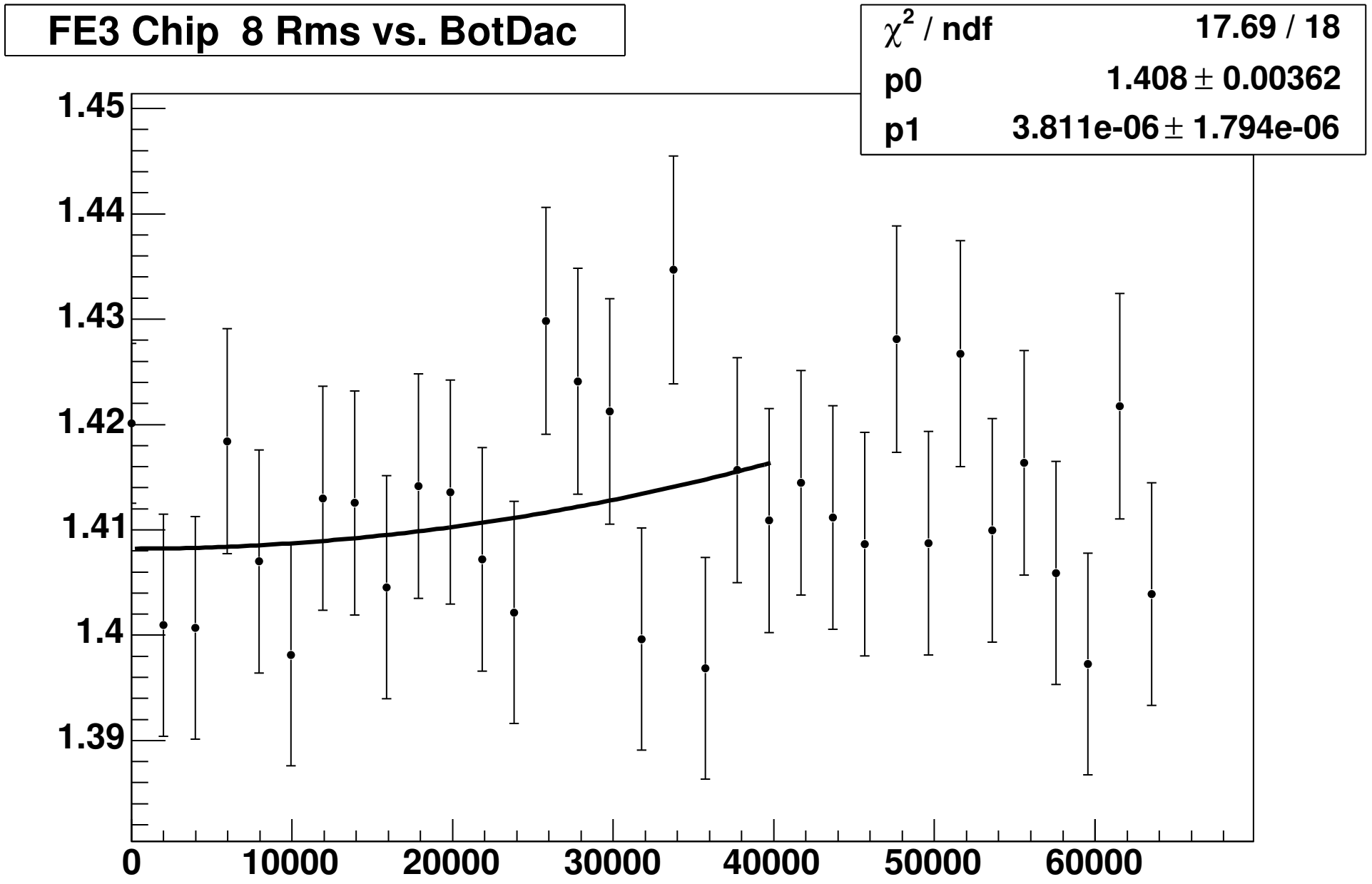
60000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 17.69 / 18
p0 1.408 ± 0.00362
p1 3.811e-06 ± 1.794e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
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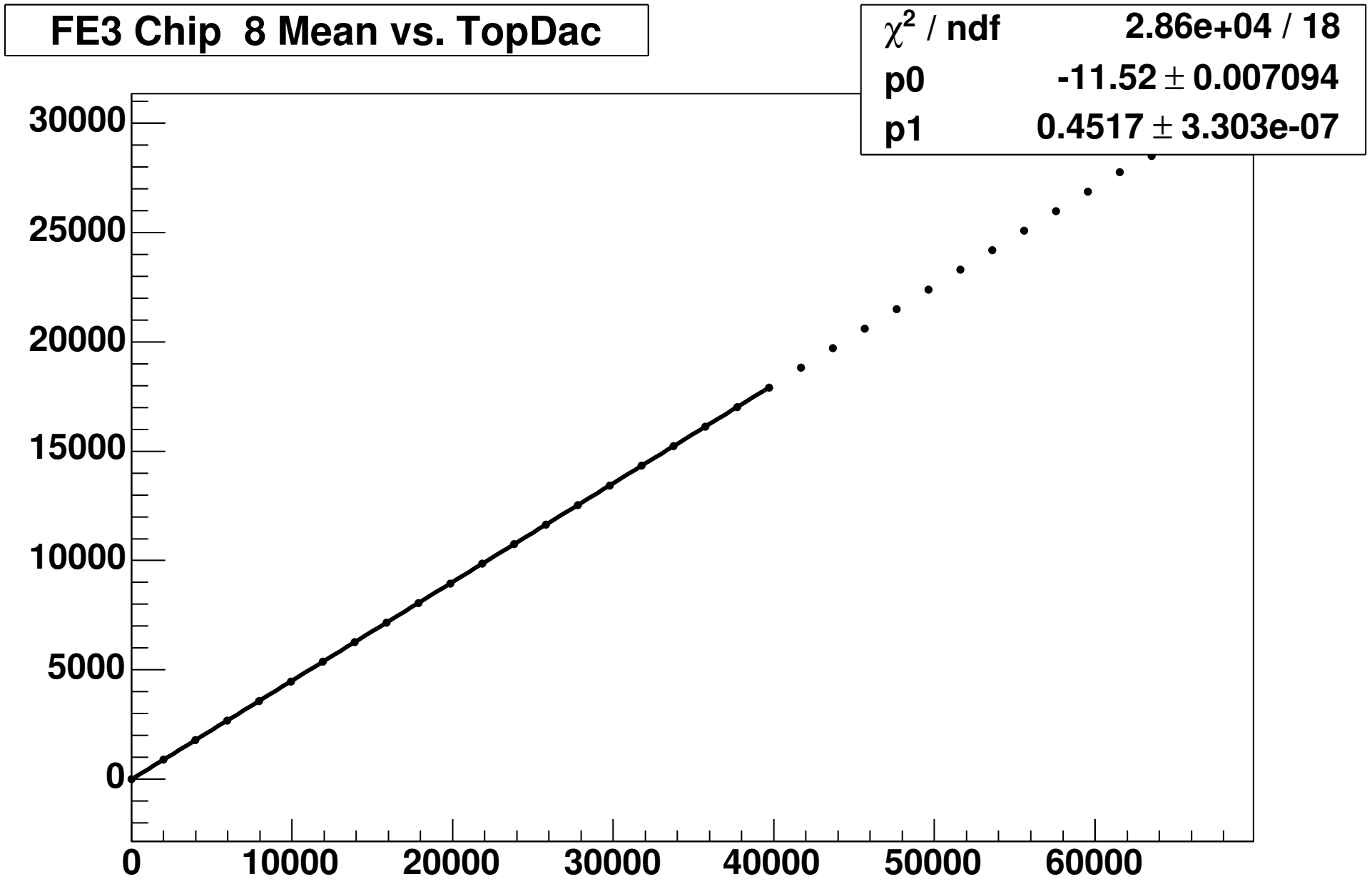
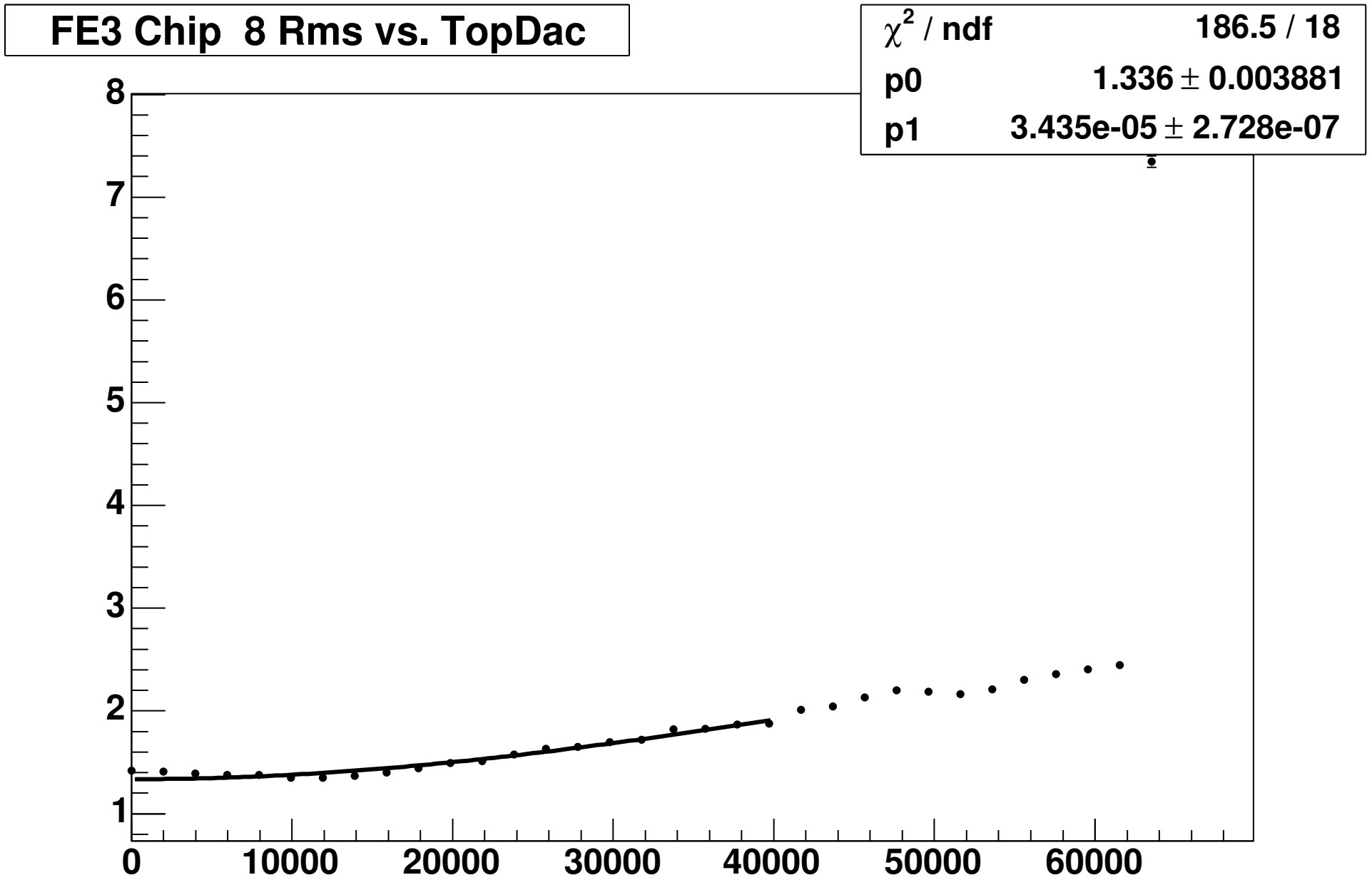
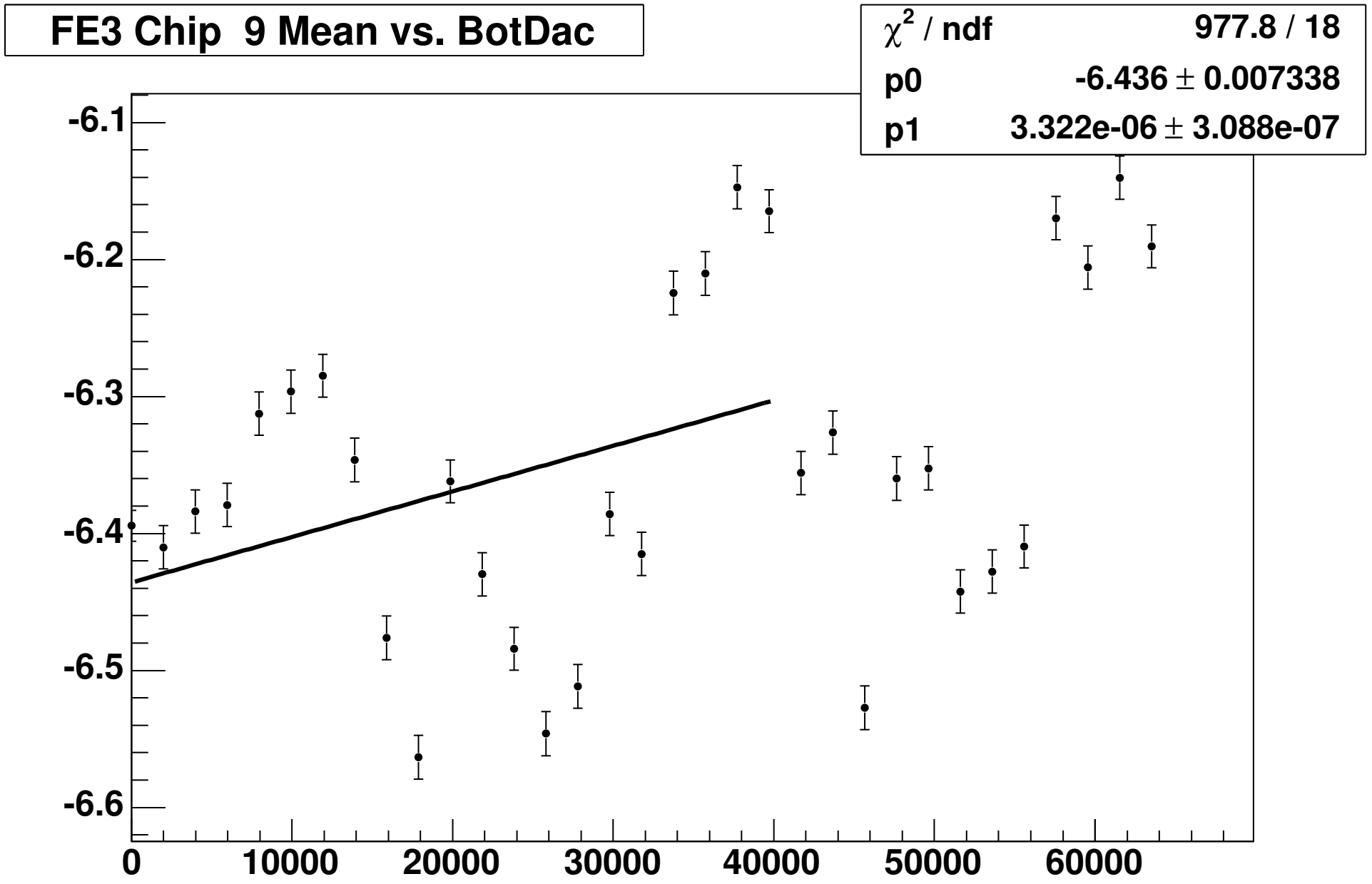

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 2.86e+04 / 18
p0 -11.52 ± 0.007094
p1 0.4517 ± 3.303e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 186.5 / 18
p0 1.336 ± 0.003881
p1 3.435e-05 ± 2.728e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. BotDac
χ^2 / ndf 977.8 / 18
p0 -6.436 ± 0.007338
p1 3.322e-06 ± 3.088e-07
-6.1
-6.2
-6.3
-6.4
-6.5
-6.6
0
10000
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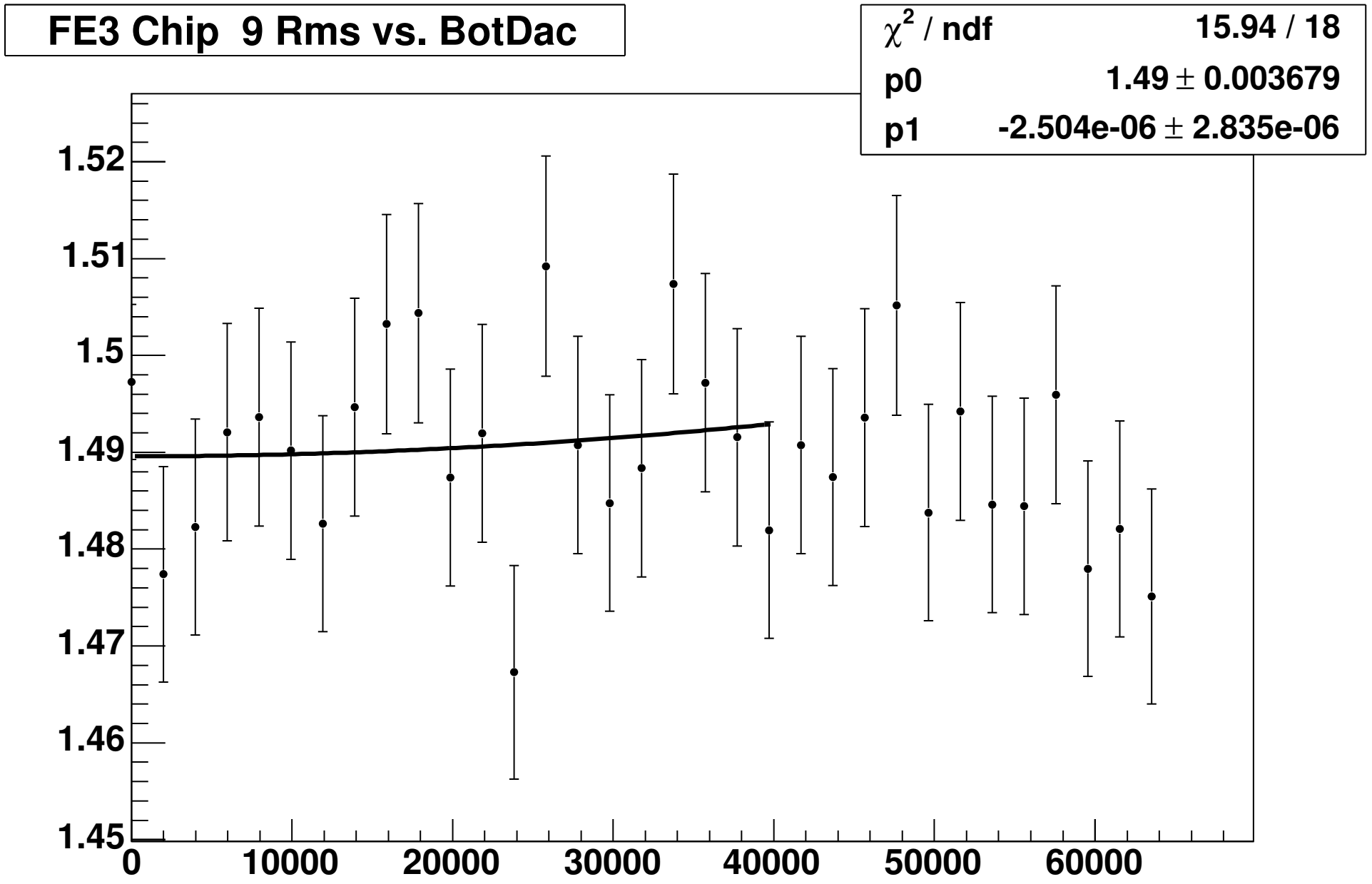
40000
50000
60000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 15.94 / 18
p0 1.49 ± 0.003679
p1 -2.504e-06 ± 2.835e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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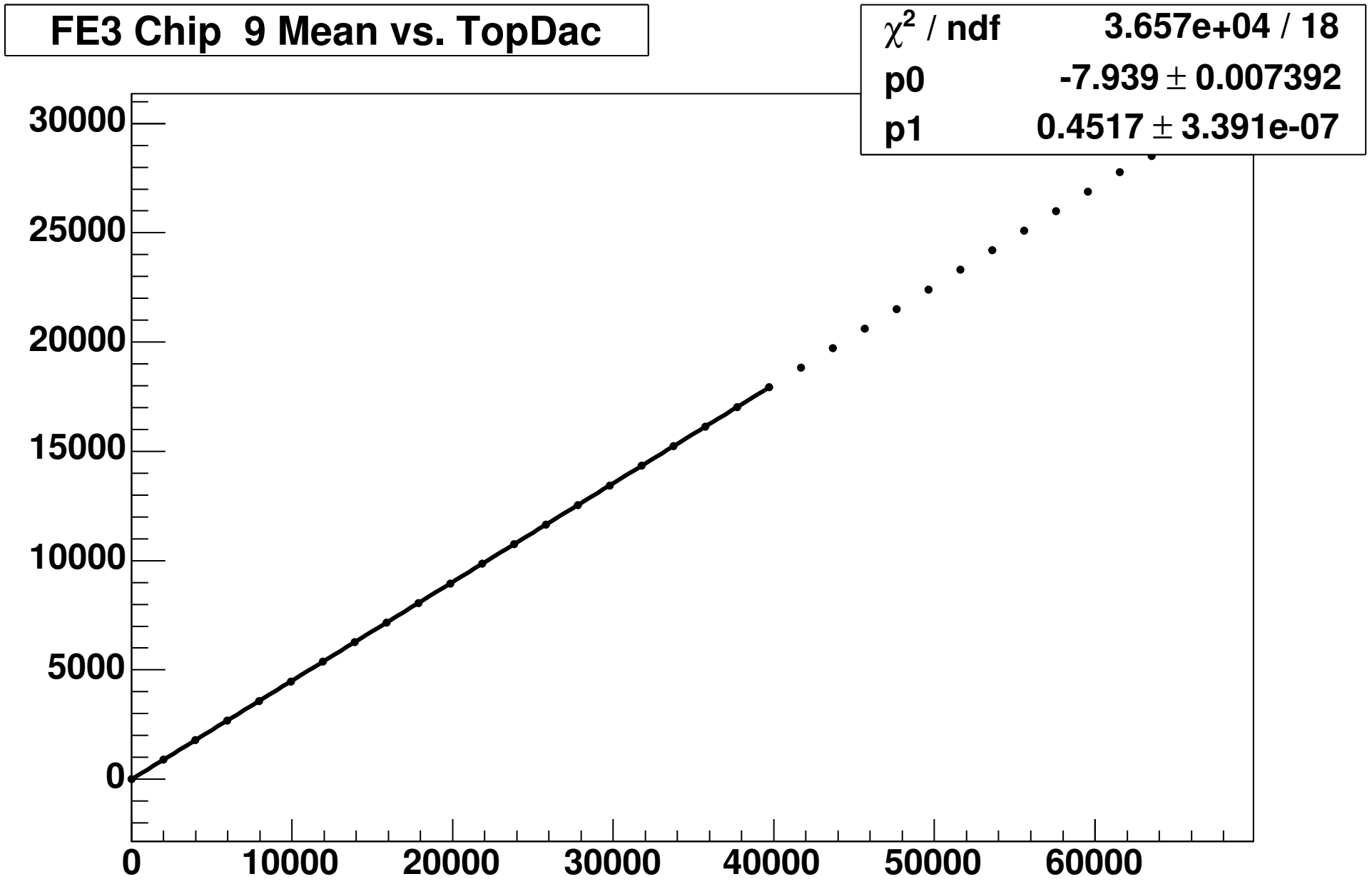
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 3.657e+04 / 18
p0 -7.939 ± 0.007392
p1 0.4517 ± 3.391e-07
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25000
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15000
10000
5000
0
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10000
20000
30000
40000
50000
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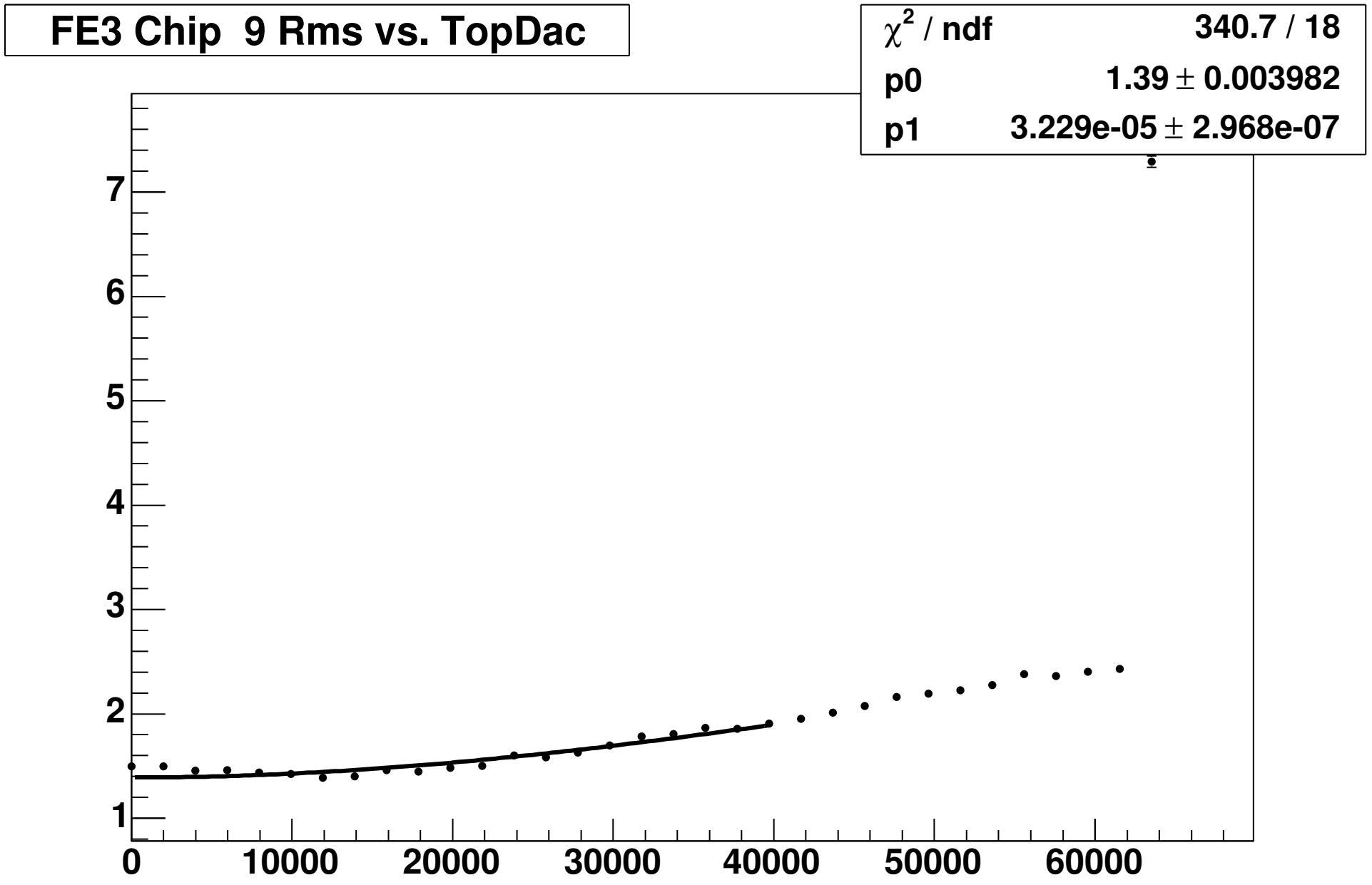
FE3 Chip 9 Rms vs. TopDac
χ² / ndf 340.7 / 18
p0 1.39 ± 0.003982
p1 3.229e-05 ± 2.968e-07
7
6
5
4
3
2
1
0
10000
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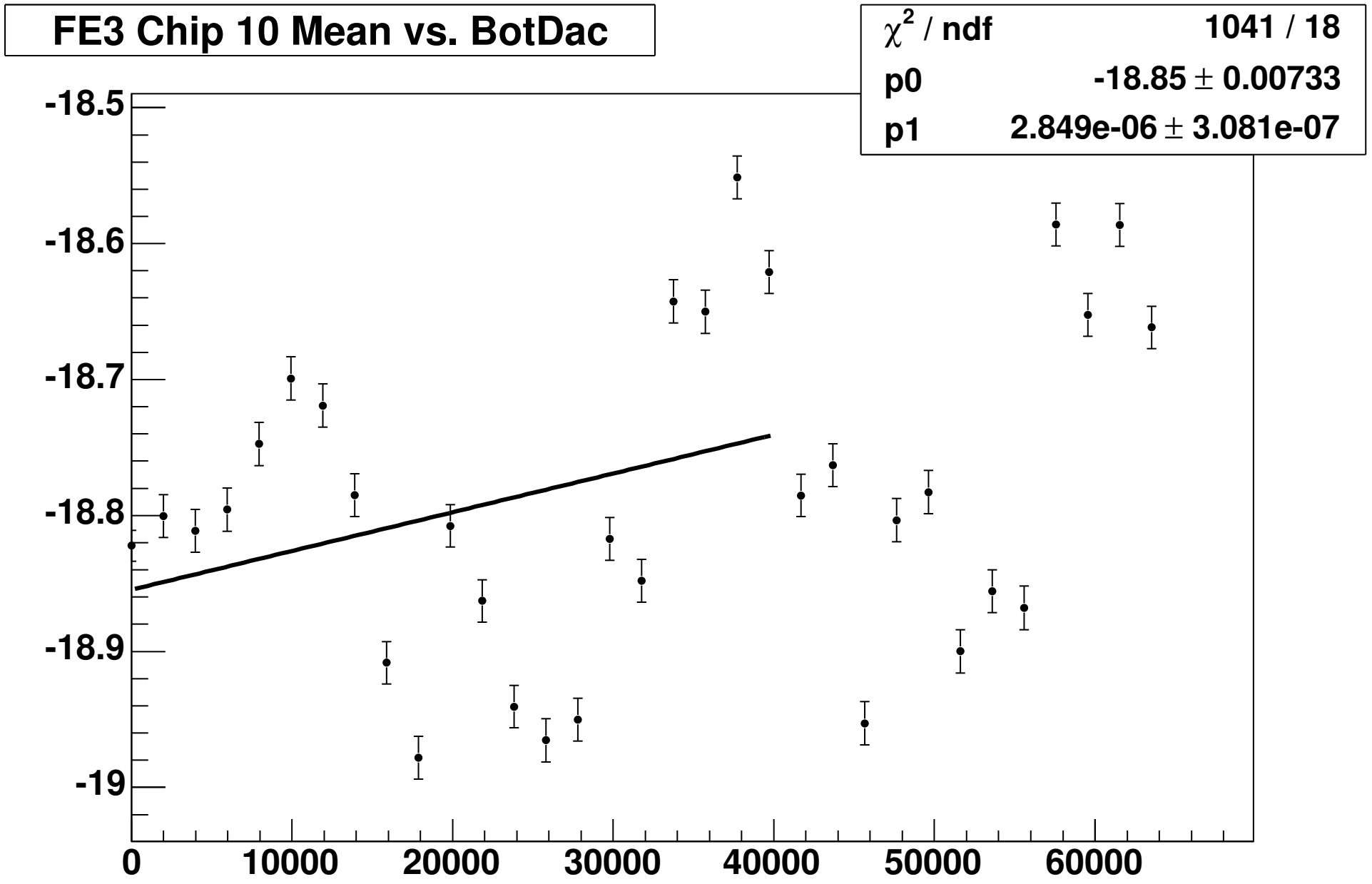
30000
40000
50000
60000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 1041 / 18
p0 -18.85 ± 0.00733
p1 2.849e-06 ± 3.081e-07
-18.5
-18.6
-18.7
-18.8
-18.9
-19
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10000
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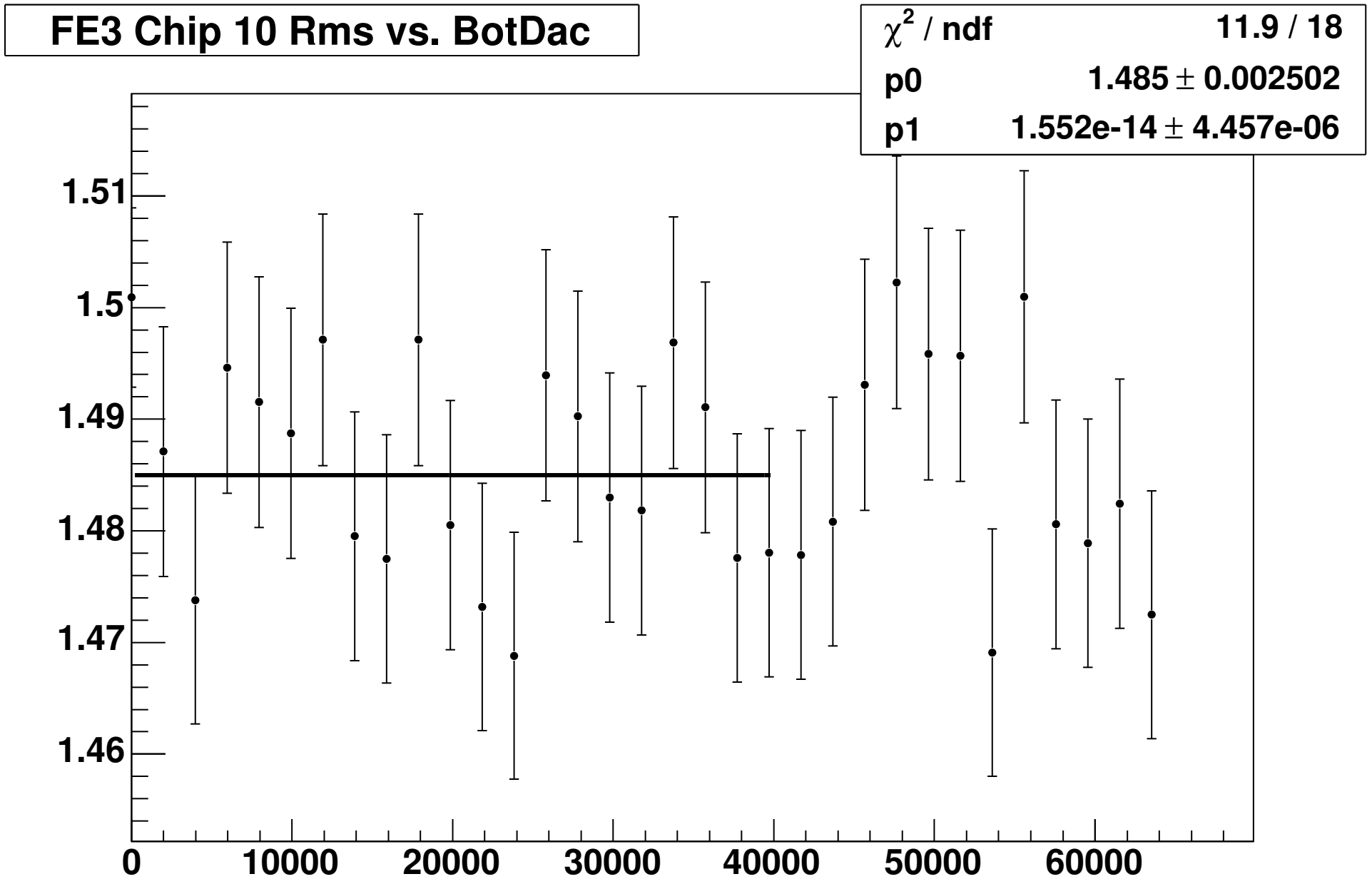
60000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 11.9 / 18
p0 1.485 ± 0.002502
p1 1.552e-14 ± 4.457e-06
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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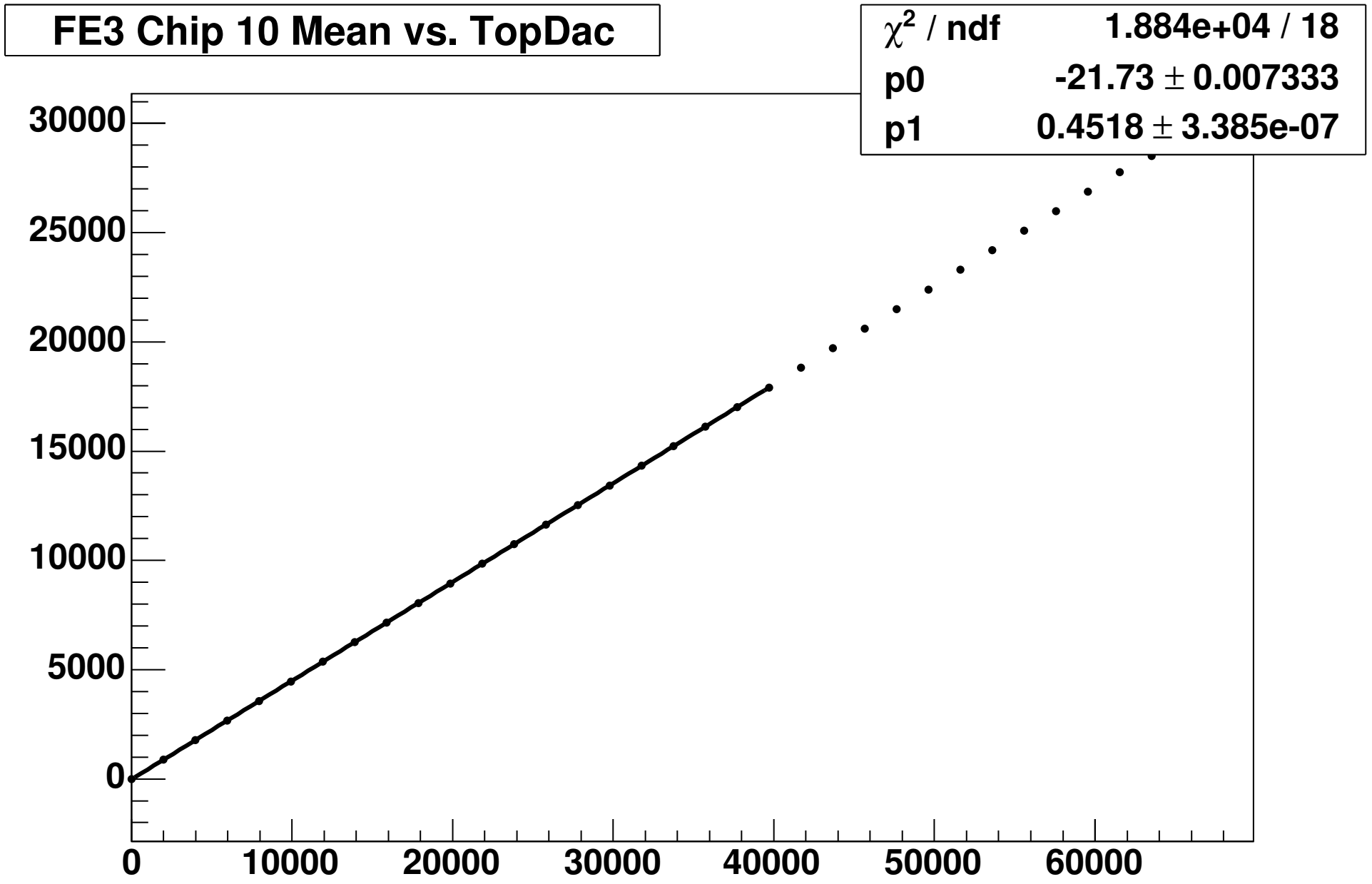
30000
40000
50000
60000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.884e+04 / 18
p0 -21.73 ± 0.007333
p1 0.4518 ± 3.385e-07
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15000
10000
5000
0
0
10000
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30000
40000
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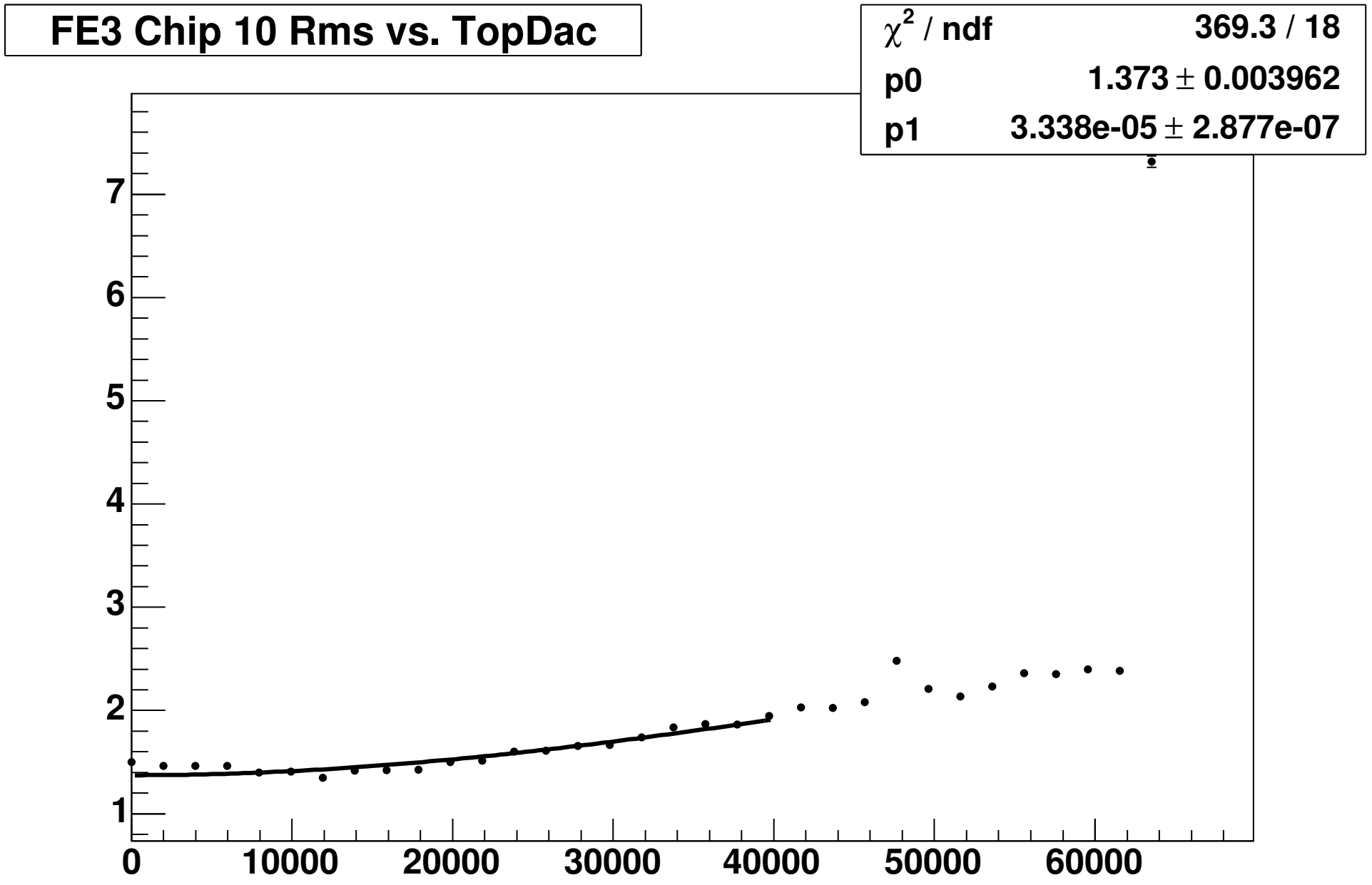
FE3 Chip 10 Rms vs. TopDac
χ² / ndf 369.3 / 18
p0 1.373 ± 0.003962
p1 3.338e-05 ± 2.877e-07
7
6
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4
3
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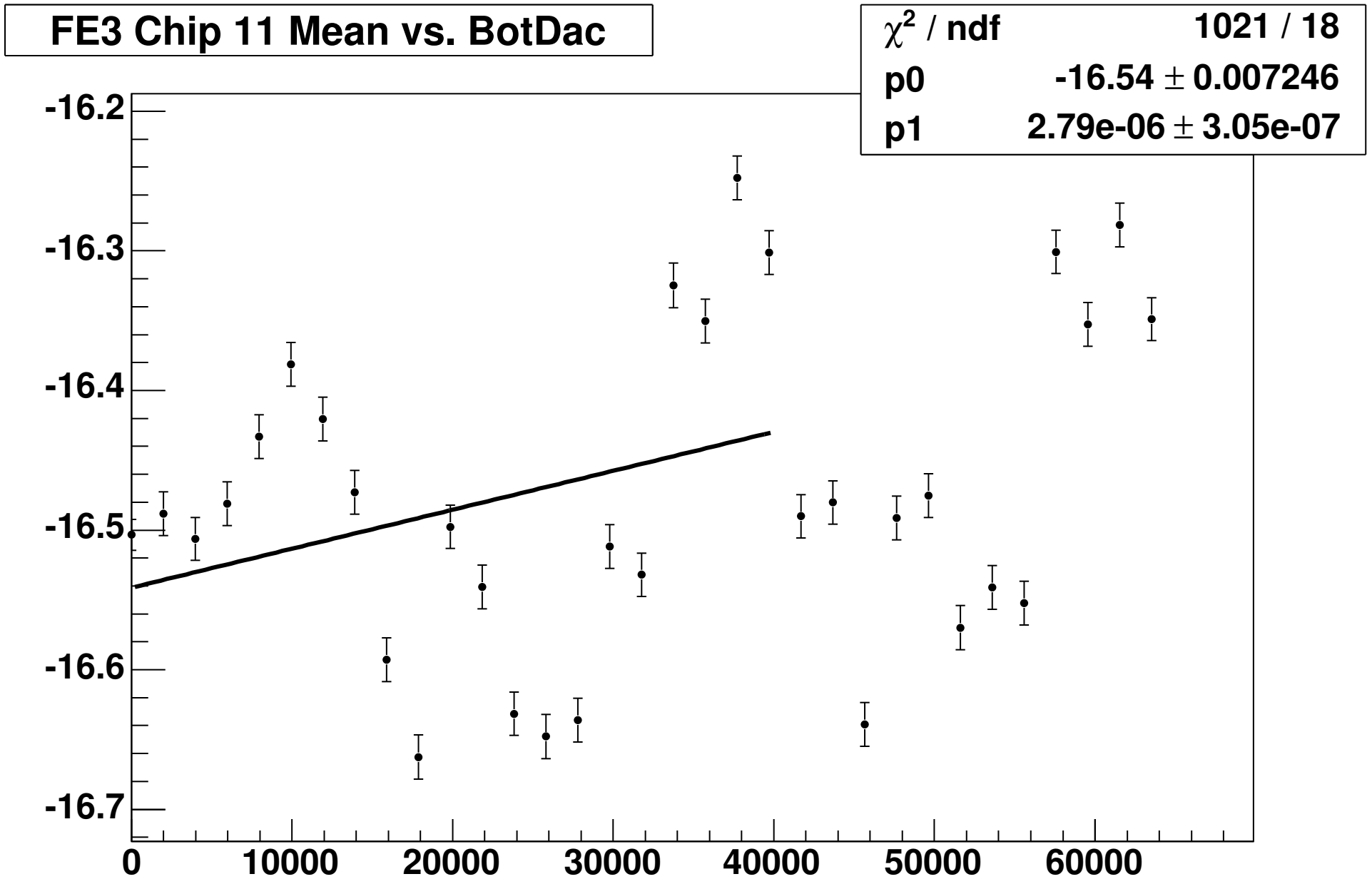
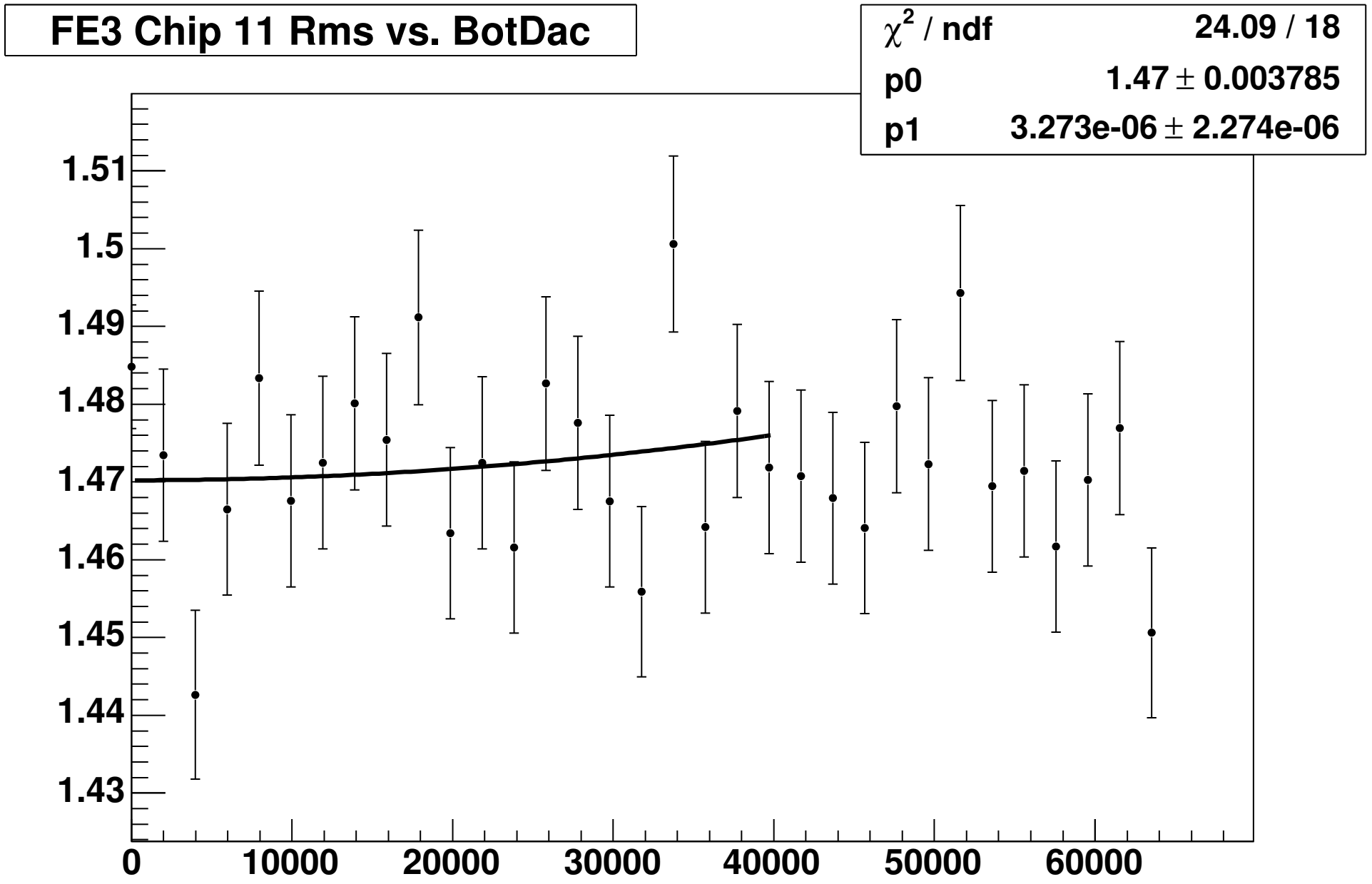

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 1021 / 18
p0 -16.54 ± 0.007246
p1 2.79e-06 ± 3.05e-07
-16.2
-16.3
-16.4
-16.5
-16.6
-16.7
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 24.09 / 18
p0 1.47 ± 0.003785
p1 3.273e-06 ± 2.274e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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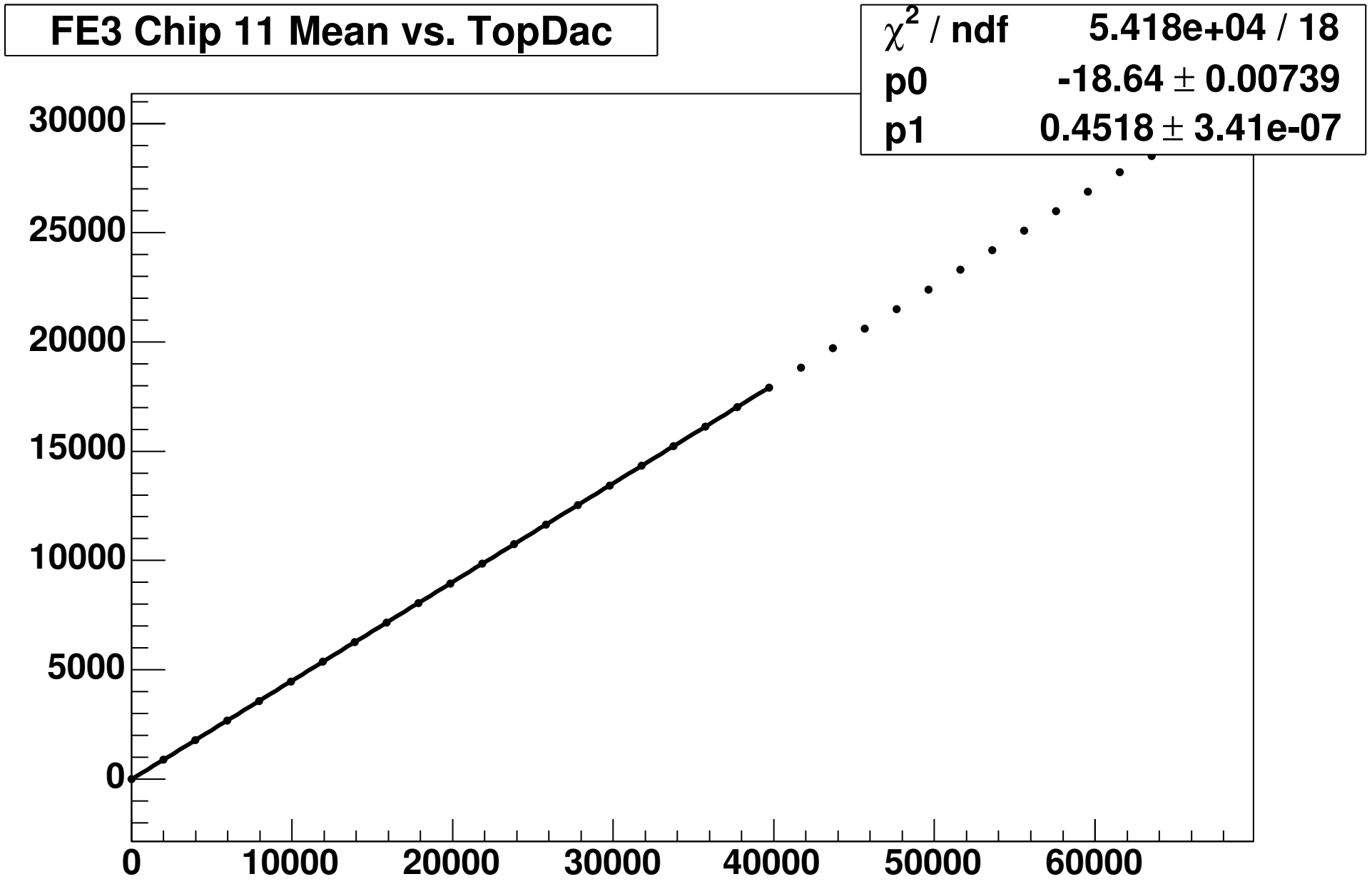
60000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 5.418e+04 / 18
p0 -18.64 ± 0.00739
p1 0.4518 ± 3.41e-07
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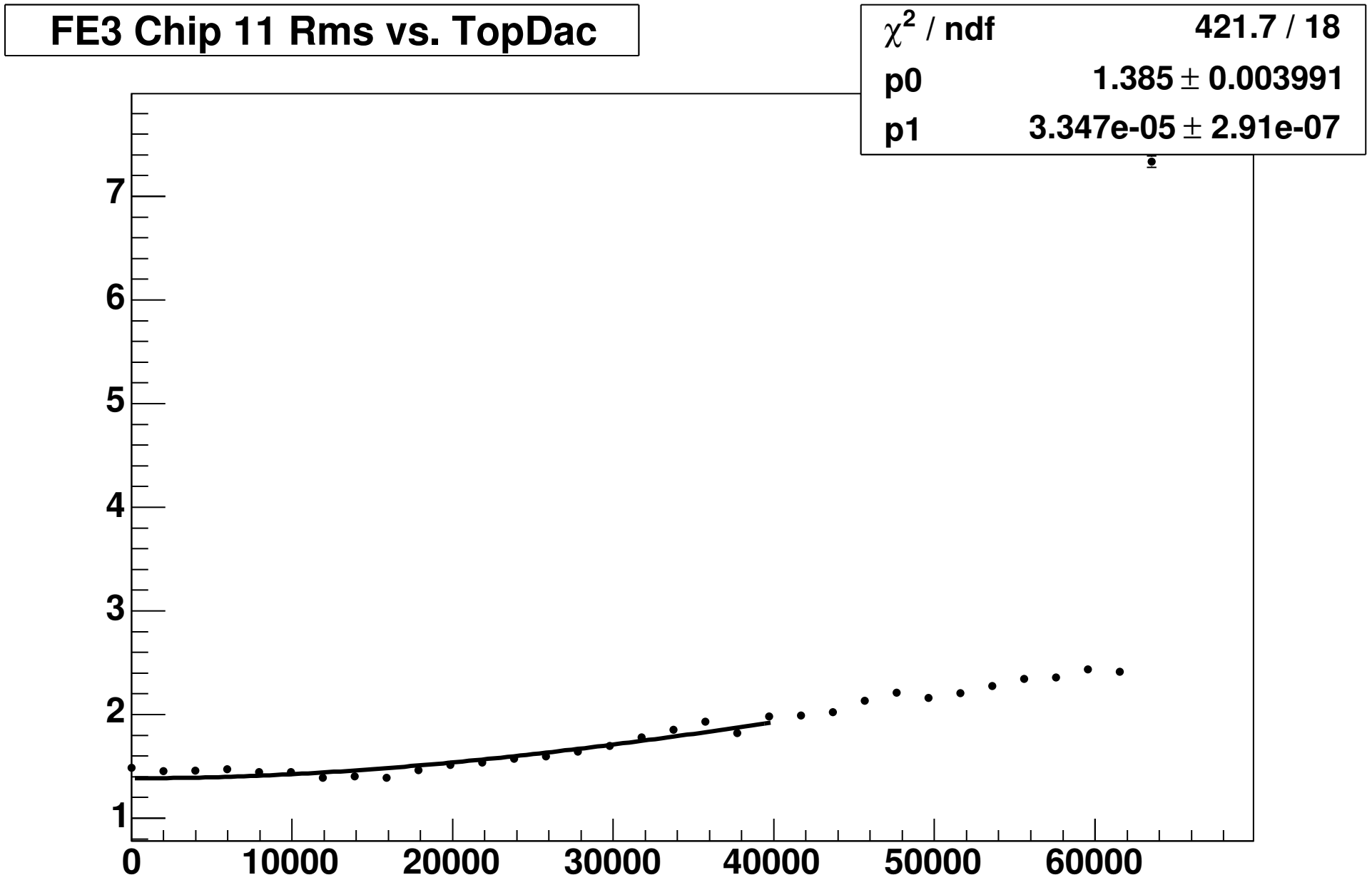
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 421.7 / 18
p0 1.385 ± 0.003991
p1 3.347e-05 ± 2.91e-07
7
6
5
4
3
2
1
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10000
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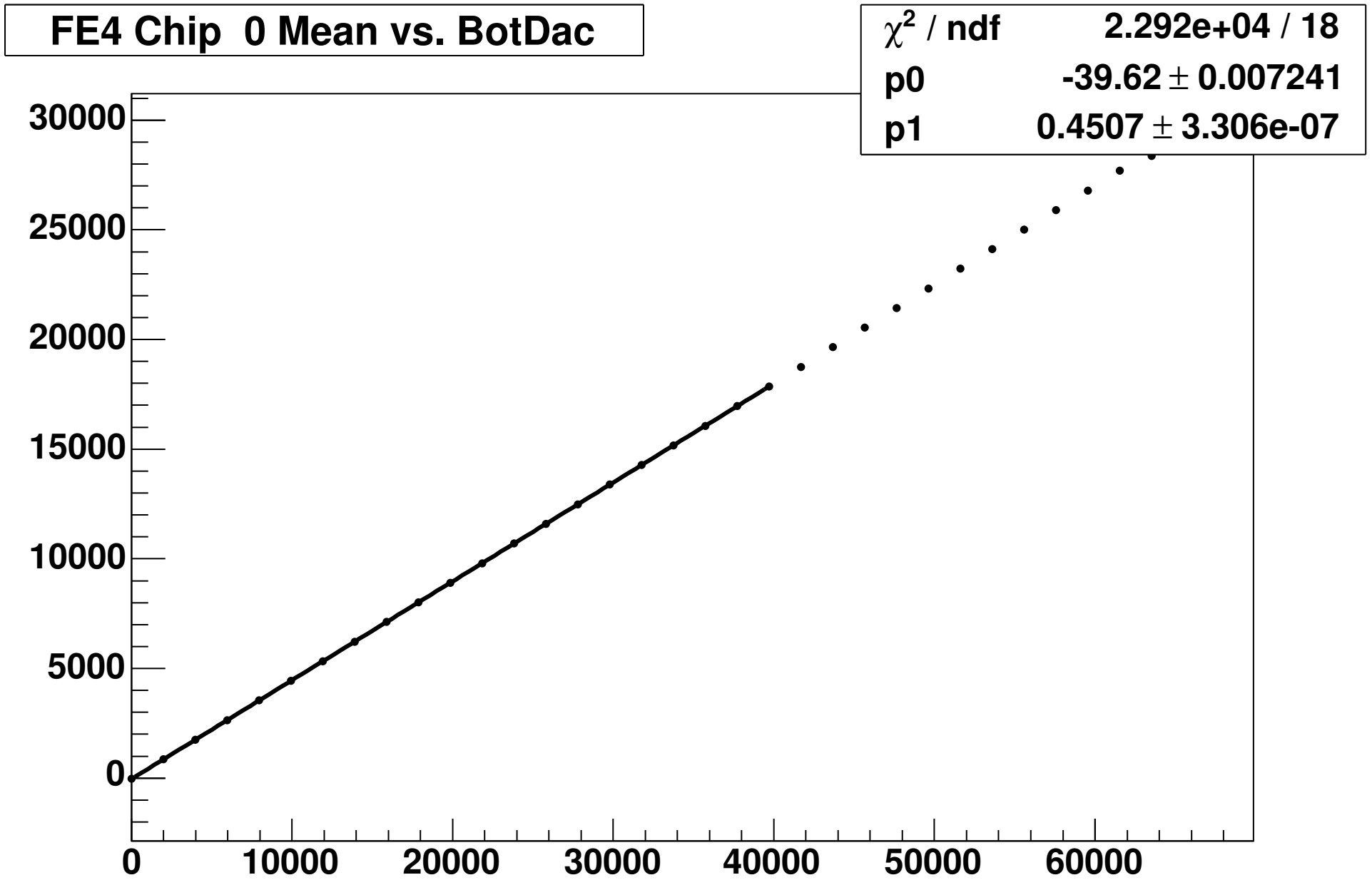
60000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 2.292e+04 / 18
p0 -39.62 ± 0.007241
p1 0.4507 ± 3.306e-07
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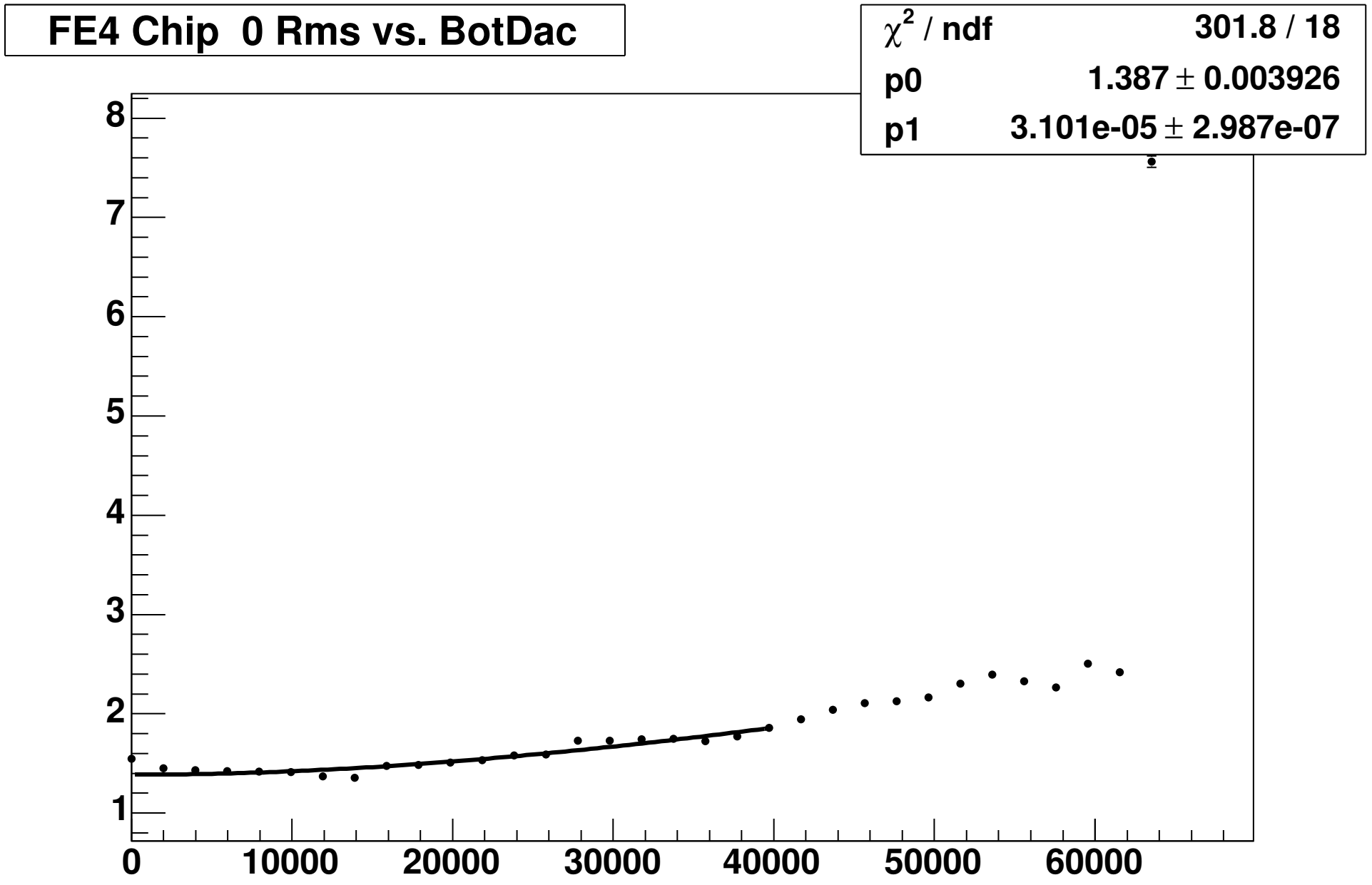
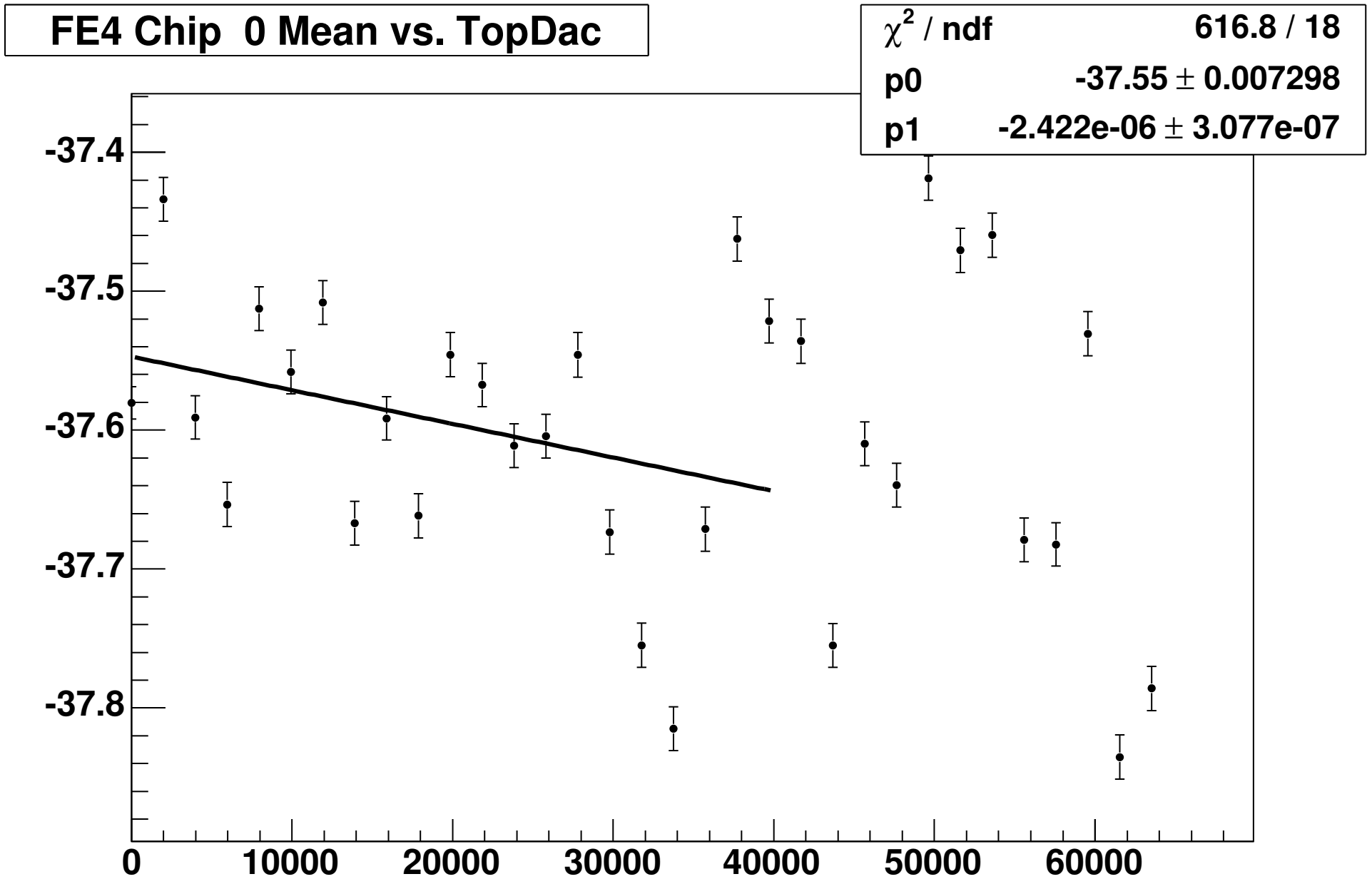
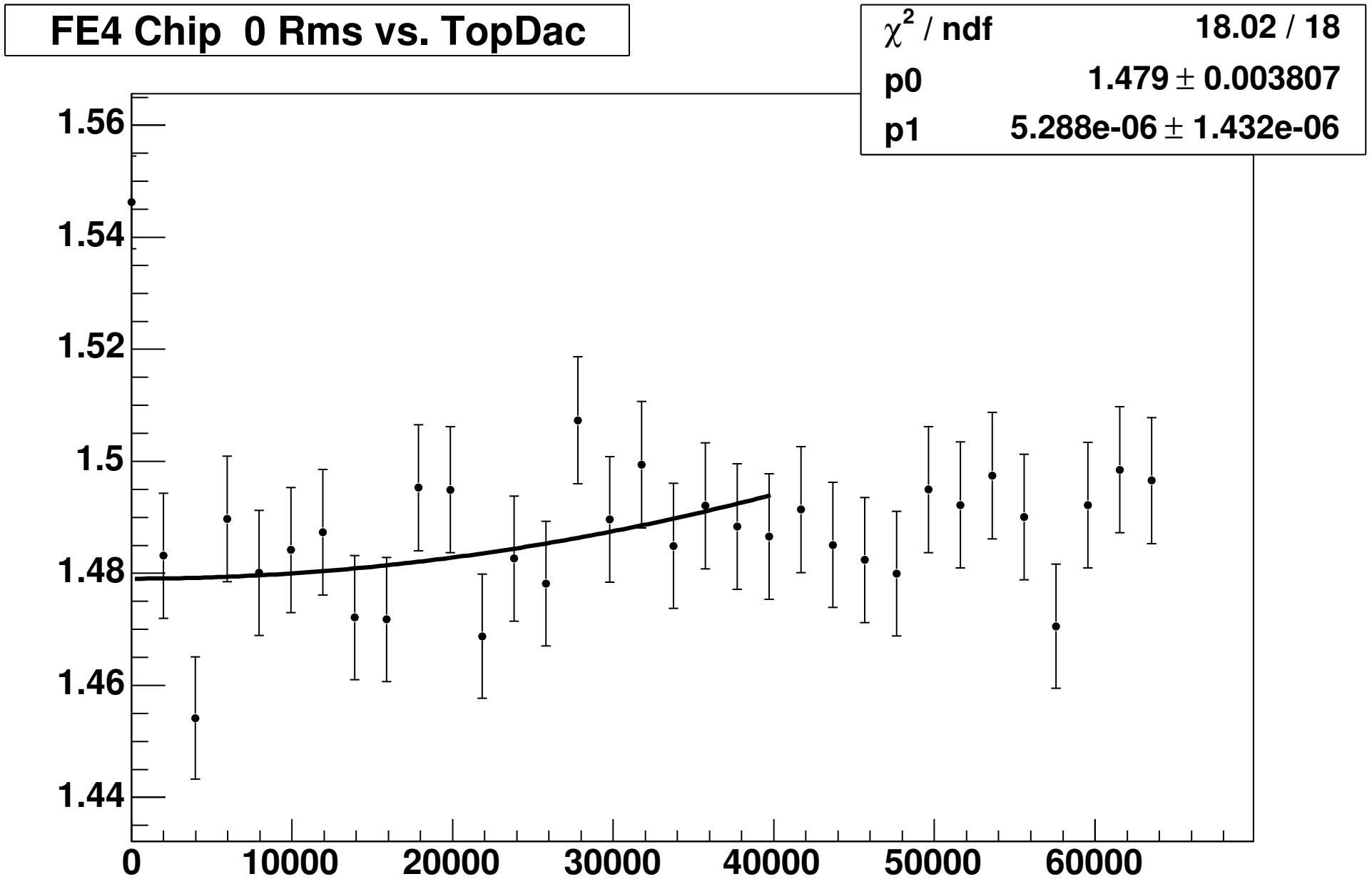
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 301.8 / 18
p0 1.387 ± 0.003926
p1 3.101e-05 ± 2.987e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 616.8 / 18
p0 -37.55 ± 0.007298
p1 -2.422e-06 ± 3.077e-07
-37.4
-37.5
-37.6
-37.7
-37.8
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 18.02 / 18
p0 1.479 ± 0.003807
p1 5.288e-06 ± 1.432e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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10000
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40000
50000
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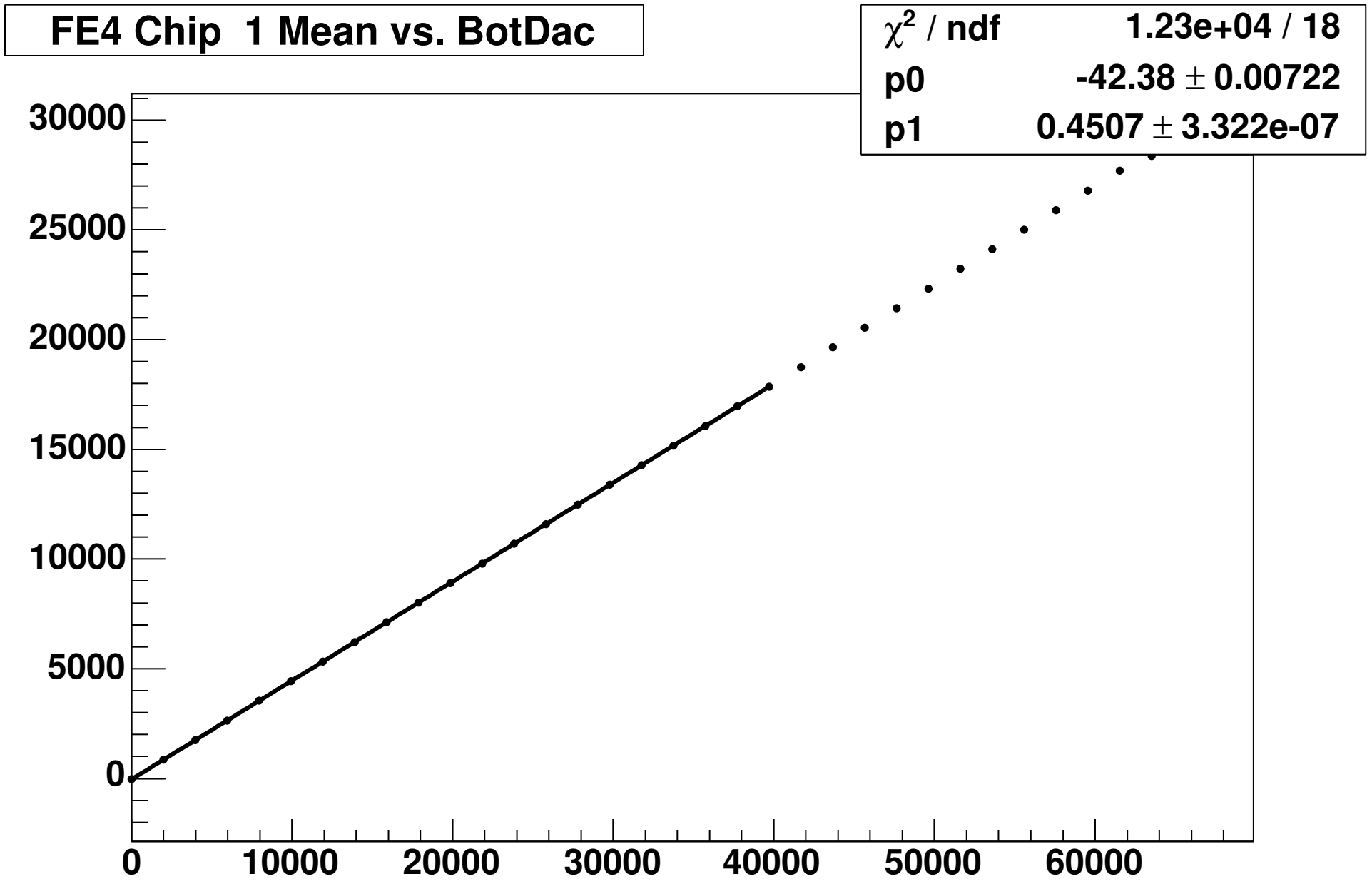
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.23e+04 / 18
p0 -42.38 ± 0.00722
p1 0.4507 ± 3.322e-07
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25000
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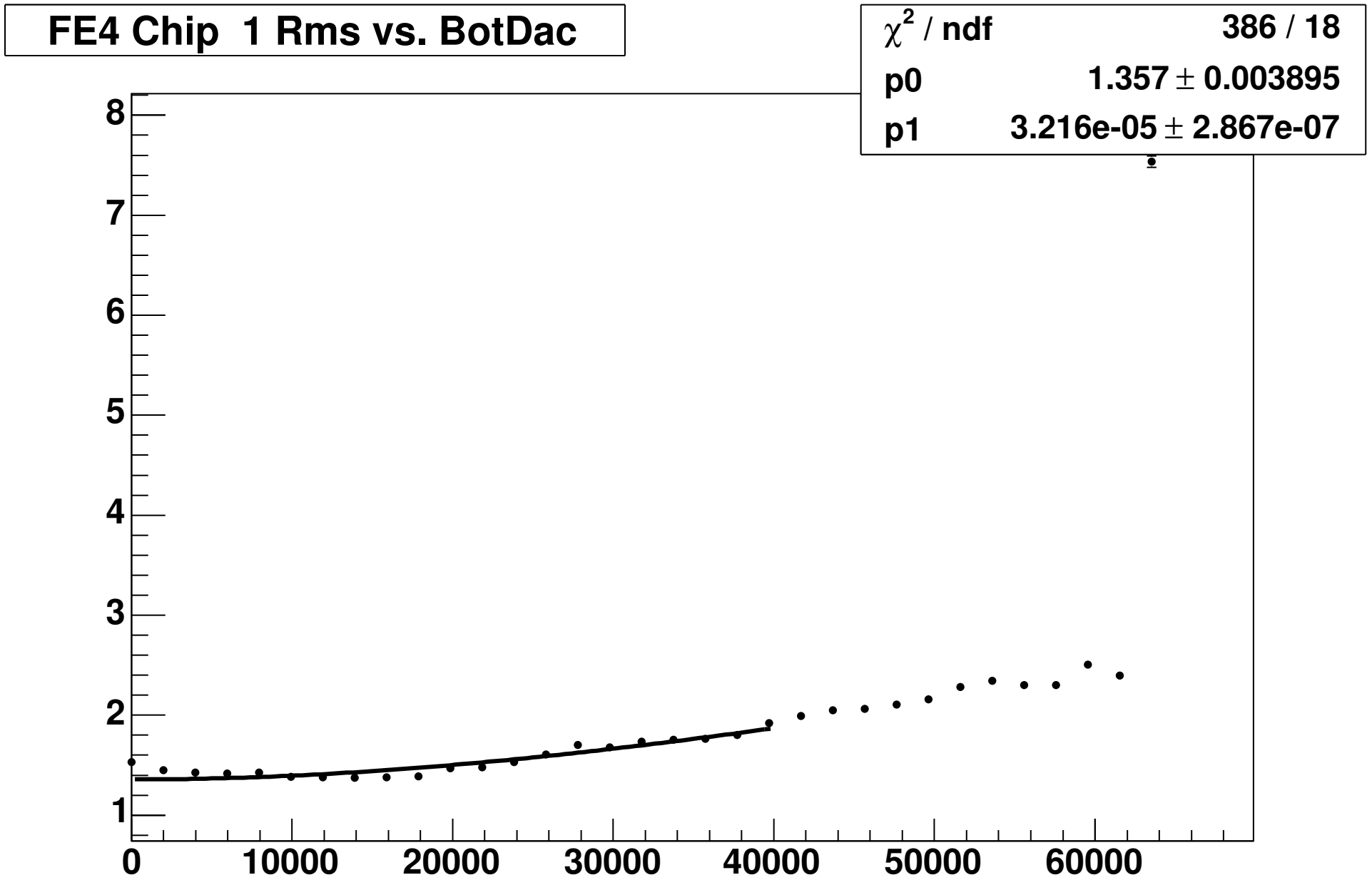
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 386 / 18
p0 1.357 ± 0.003895
p1 3.216e-05 ± 2.867e-07
8
7
6
5
4
3
2
1
0
10000
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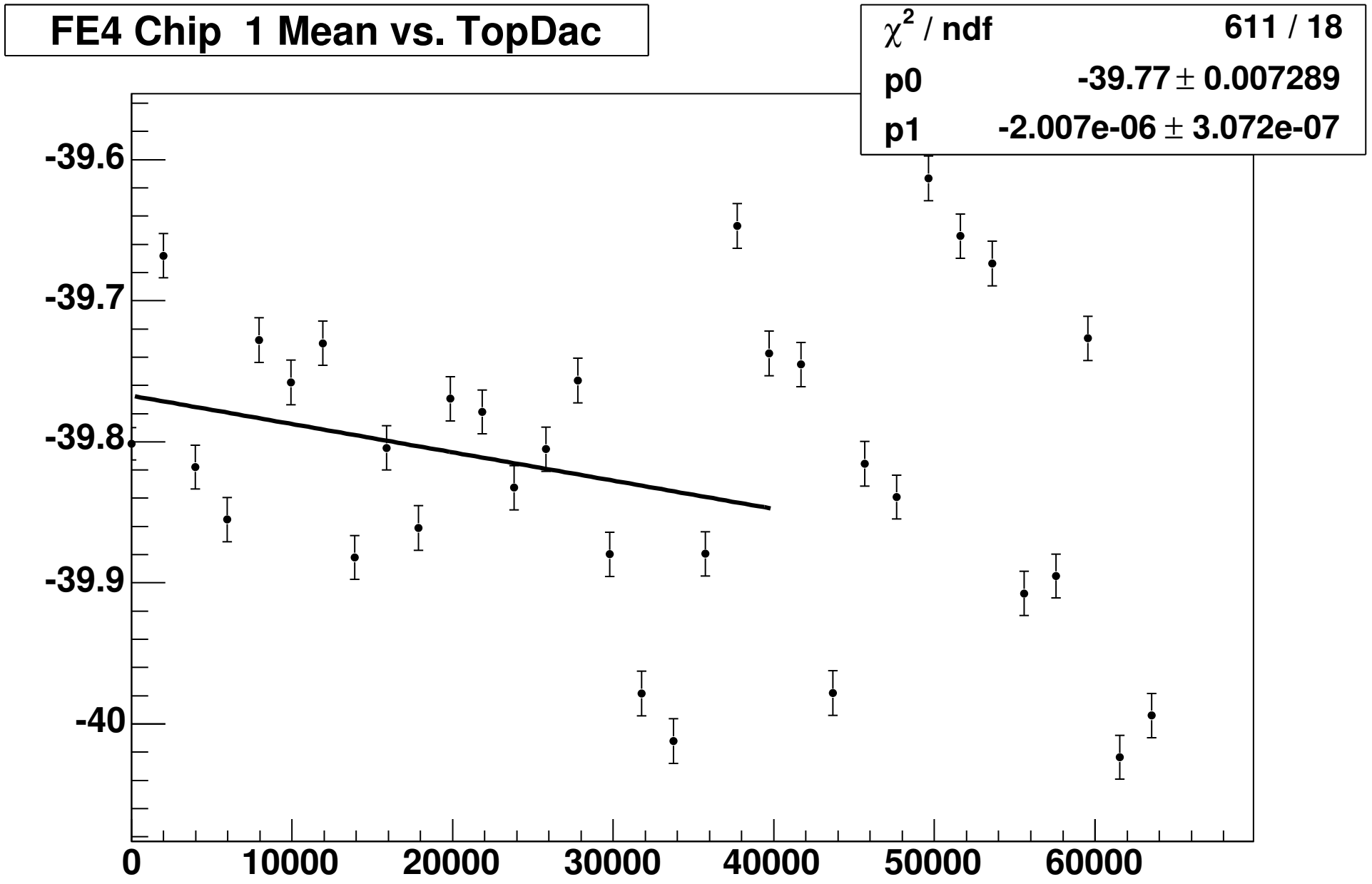
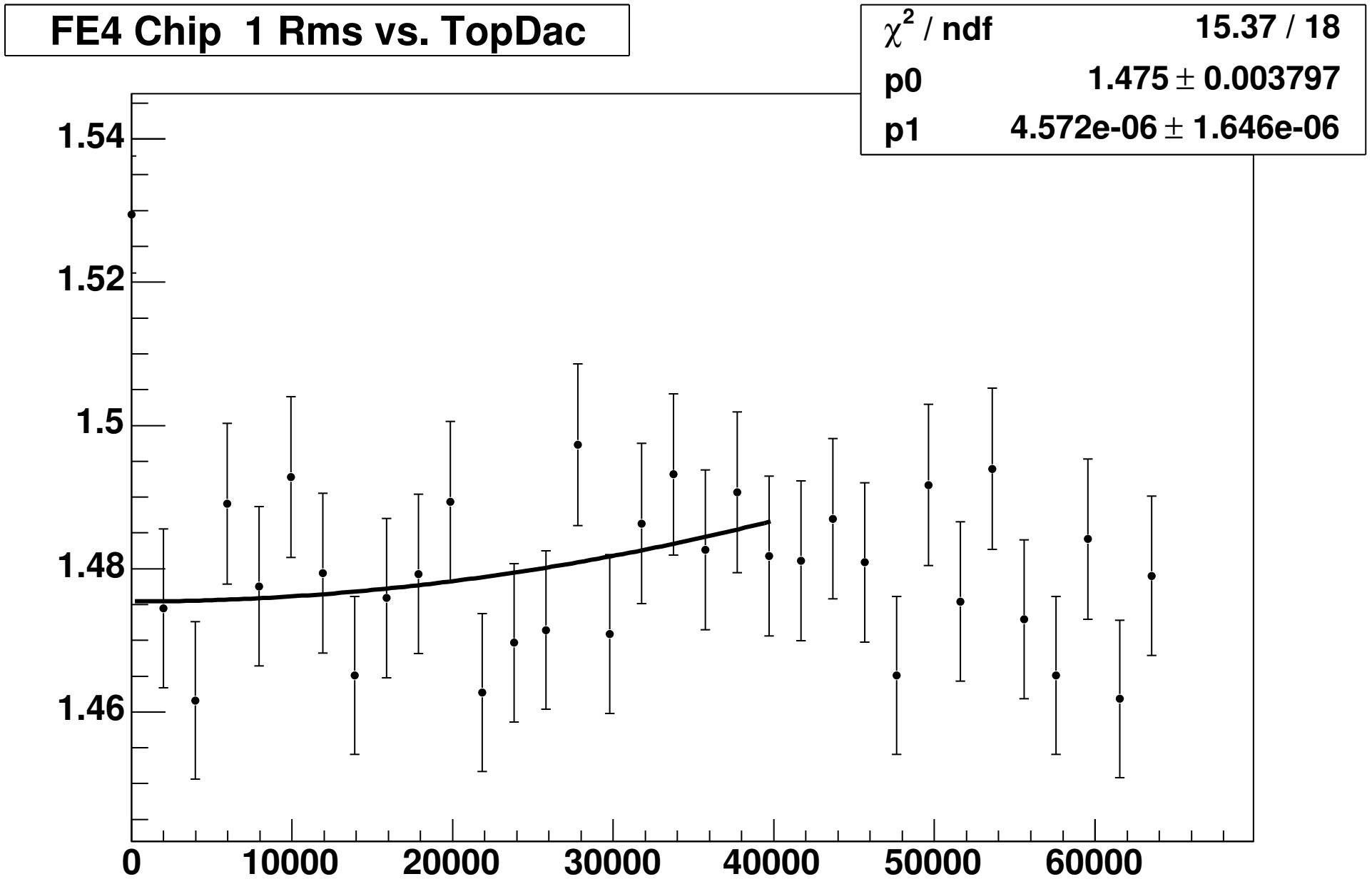
30000
40000
50000
60000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 611 / 18
p0 -39.77 ± 0.007289
p1 -2.007e-06 ± 3.072e-07
-39.6
-39.7
-39.8
-39.9
-40
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 15.37 / 18
p0 1.475 ± 0.003797
p1 4.572e-06 ± 1.646e-06
1.54
1.52
1.5
1.48
1.46
0
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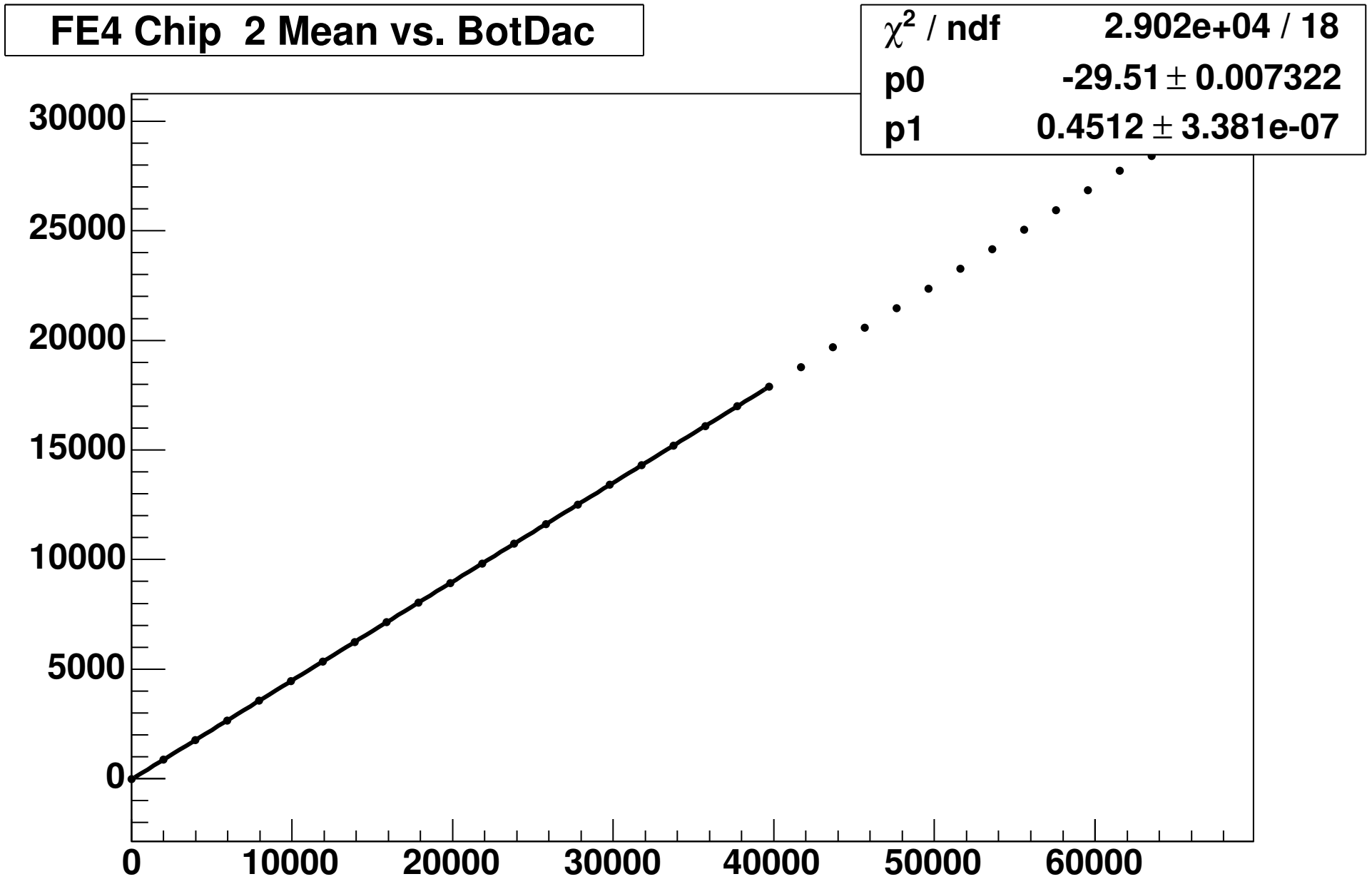
60000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 2.902e+04 / 18
p0 -29.51 ± 0.007322
p1 0.4512 ± 3.381e-07
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25000
20000
15000
10000
5000
0
0
10000
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50000
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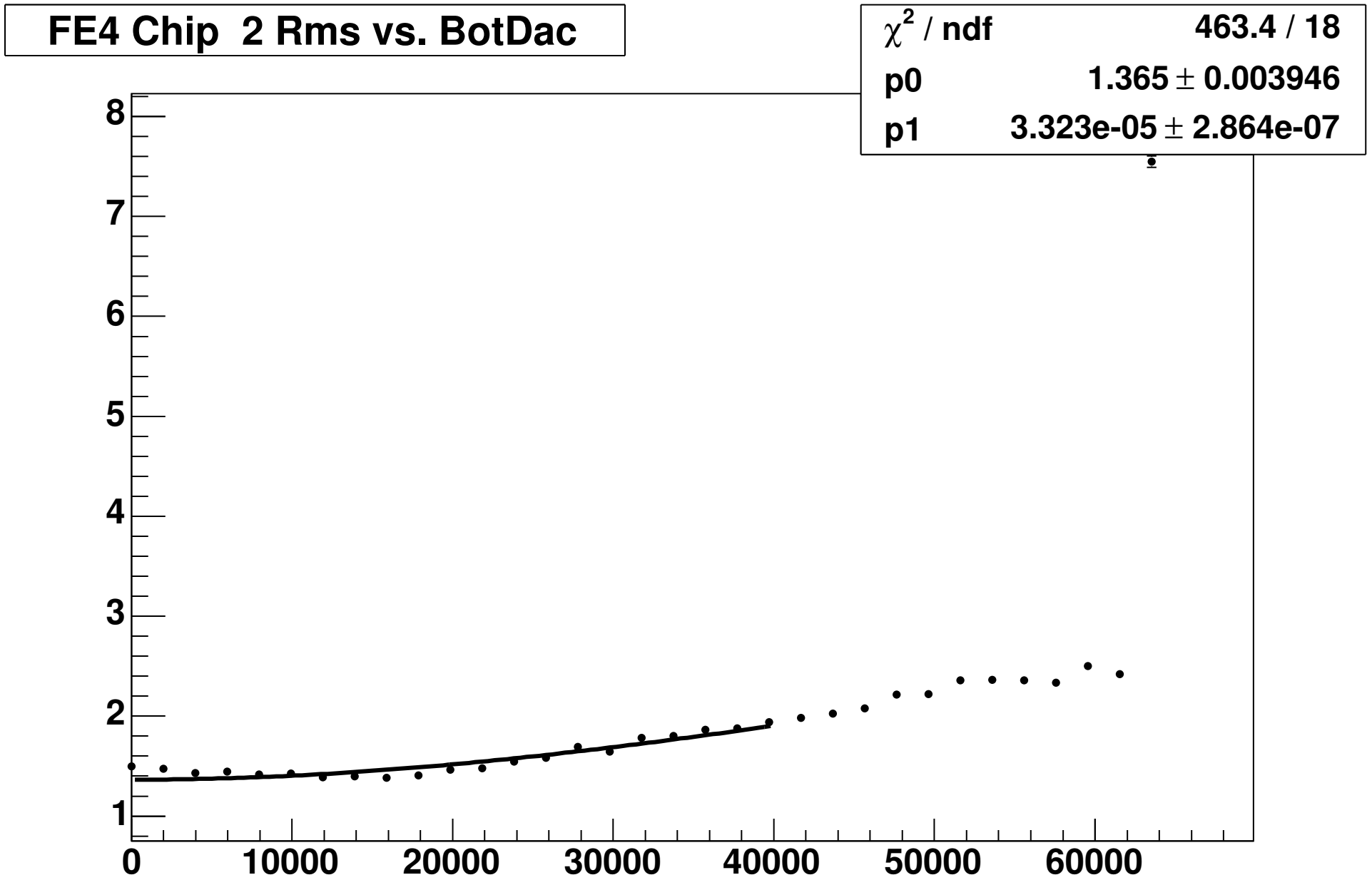
FE4 Chip 2 Rms vs. BotDac
χ² / ndf 463.4 / 18
p0 1.365 ± 0.003946
p1 3.323e-05 ± 2.864e-07
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5
4
3
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1
0
10000
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30000
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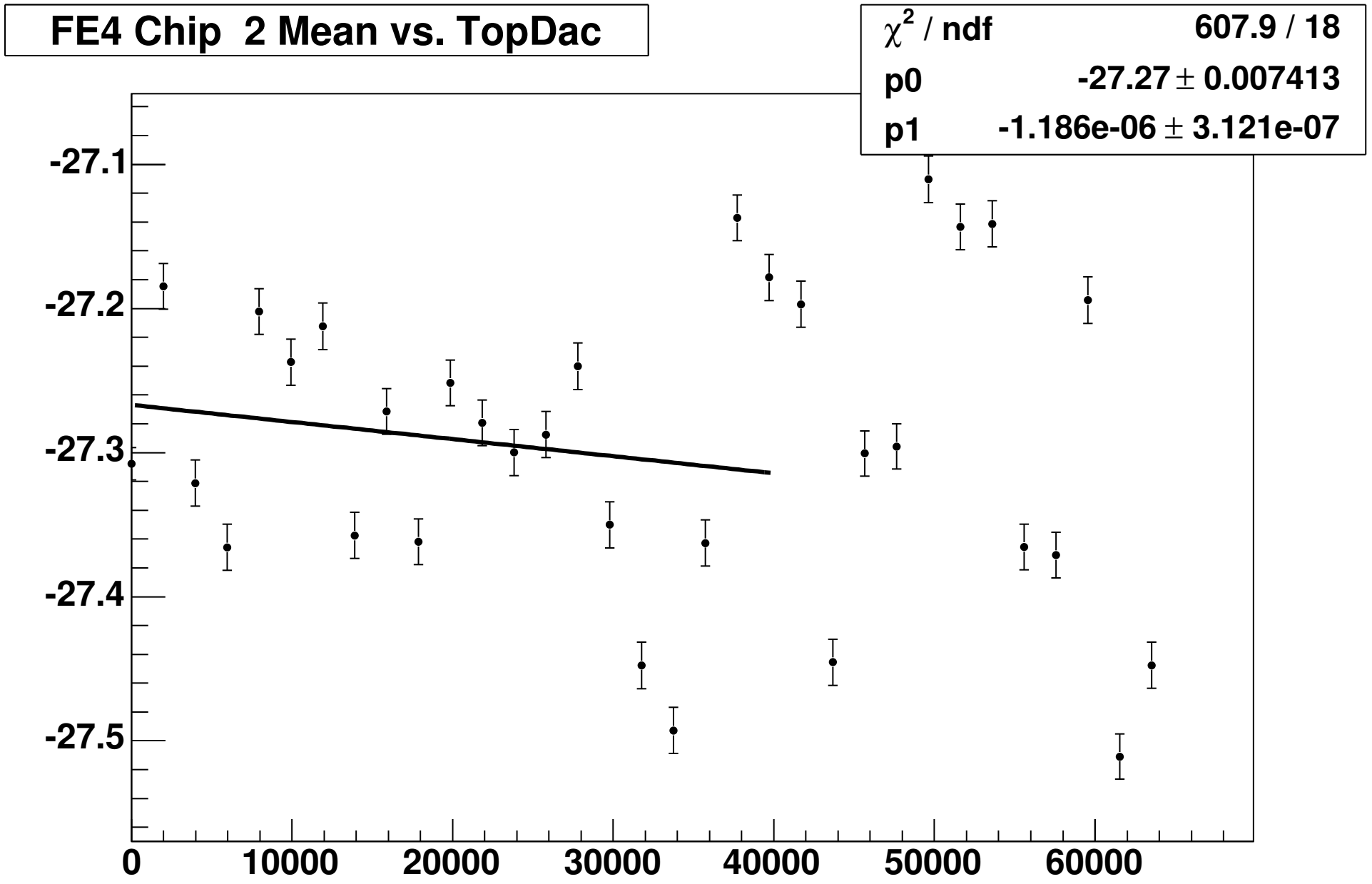
60000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 607.9 / 18
p0 -27.27 ± 0.007413
p1 -1.186e-06 ± 3.121e-07
-27.1
-27.2
-27.3
-27.4
-27.5
0
10000
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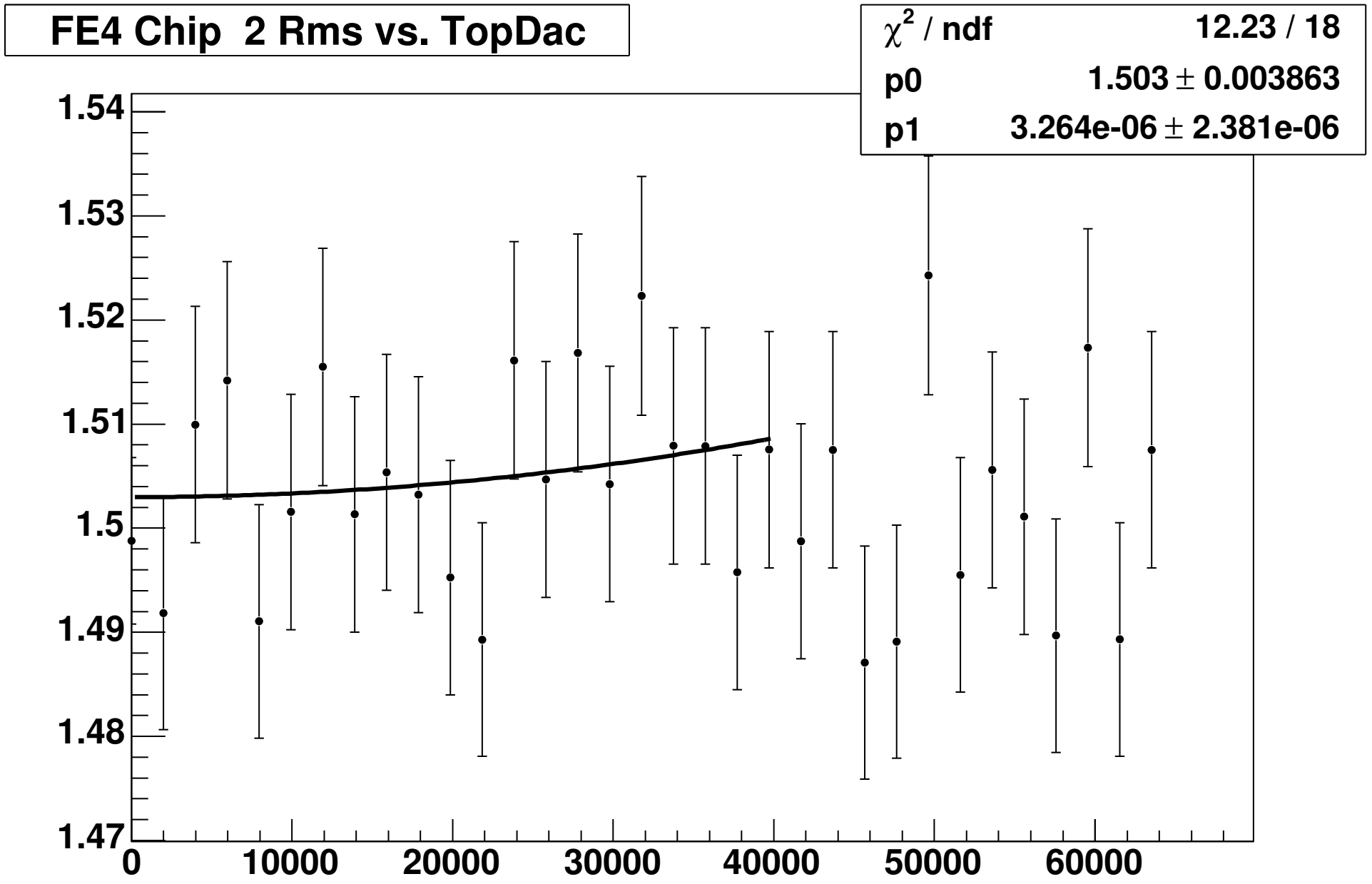
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 12.23 / 18
p0 1.503 ± 0.003863
p1 3.264e-06 ± 2.381e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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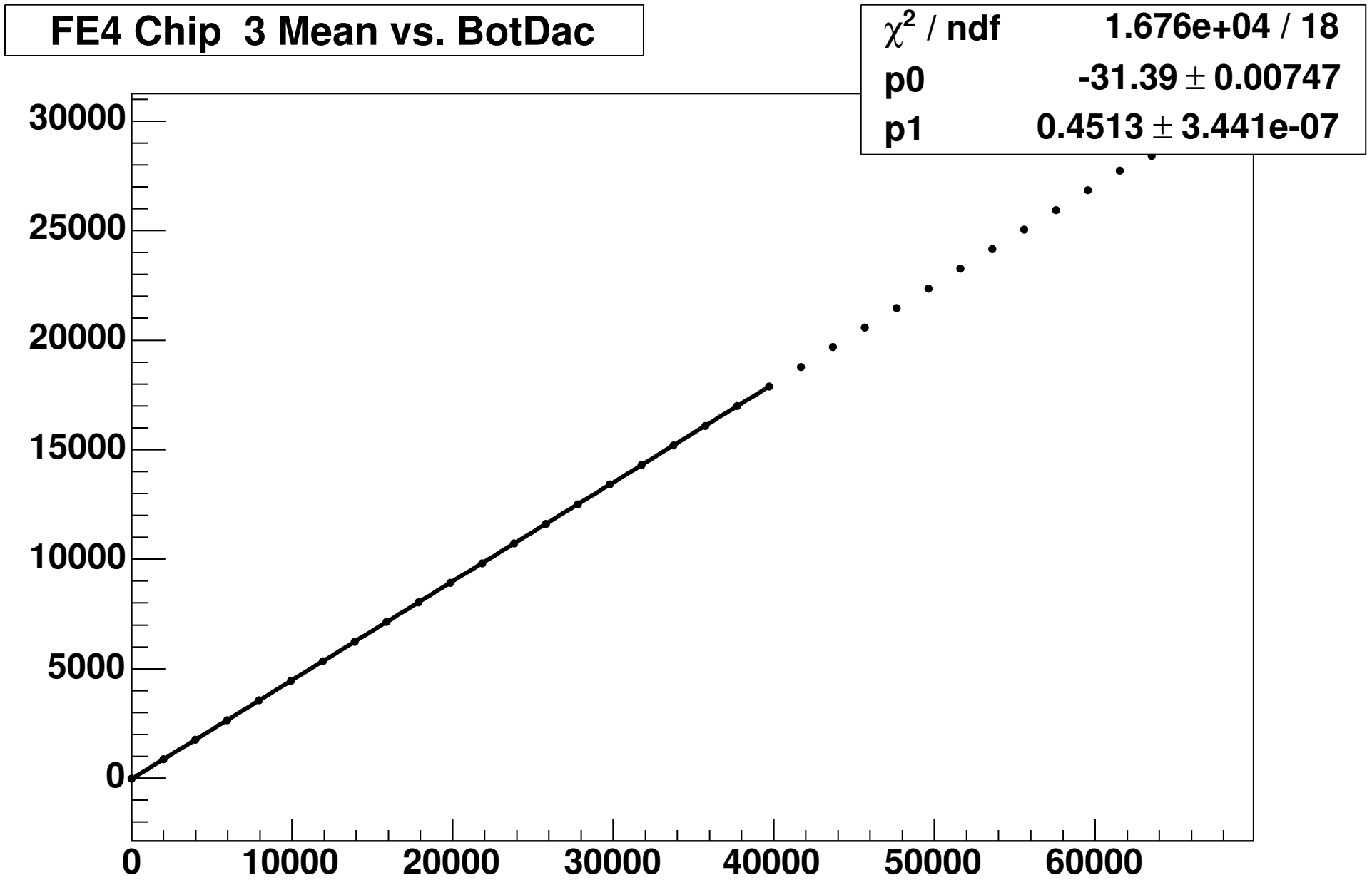
60000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 1.676e+04 / 18
p0 -31.39 ± 0.00747
p1 0.4513 ± 3.441e-07
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25000
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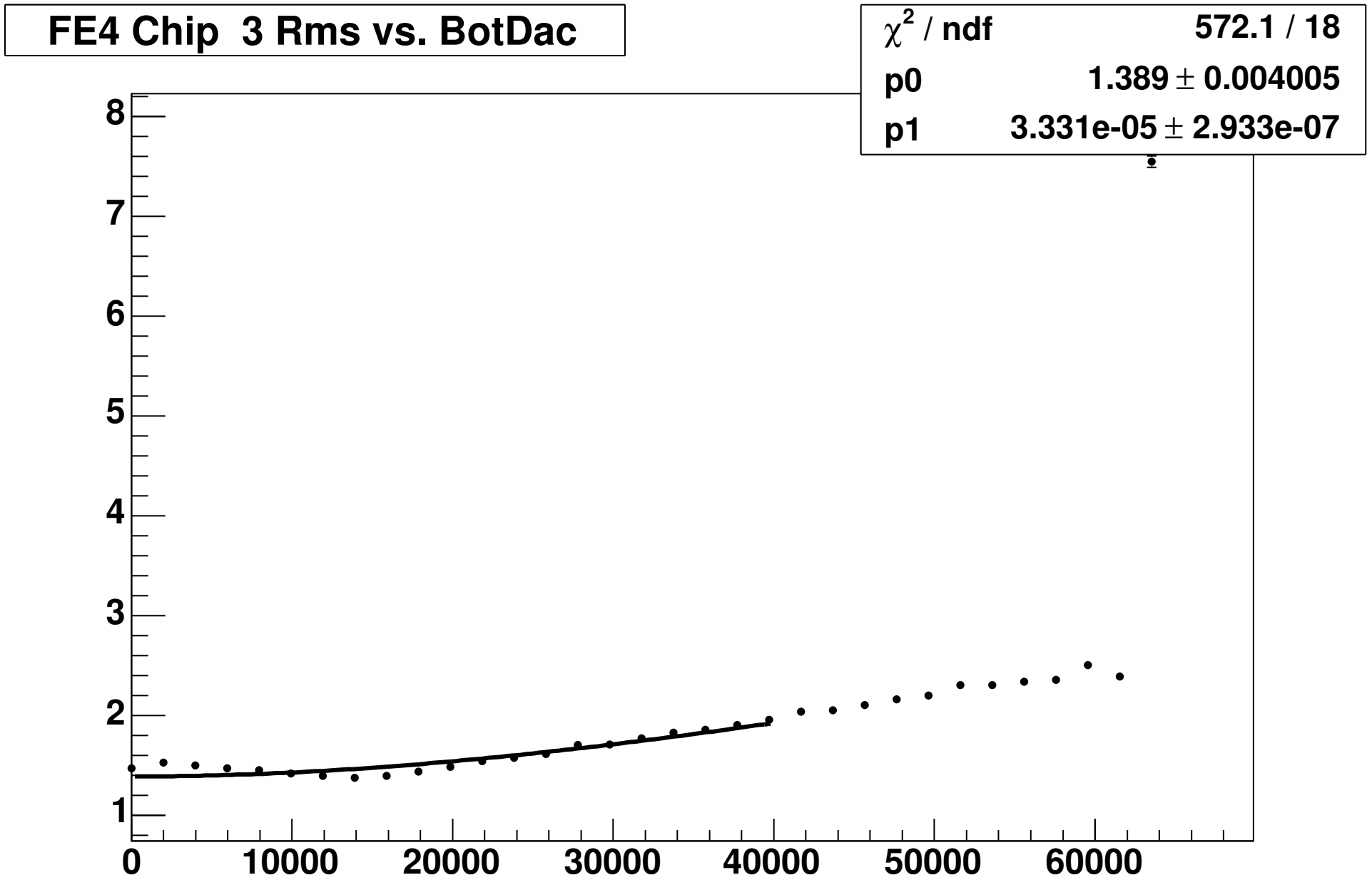
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 572.1 / 18
p0 1.389 ± 0.004005
p1 3.331e-05 ± 2.933e-07
8
7
6
5
4
3
2
1
0
10000
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40000
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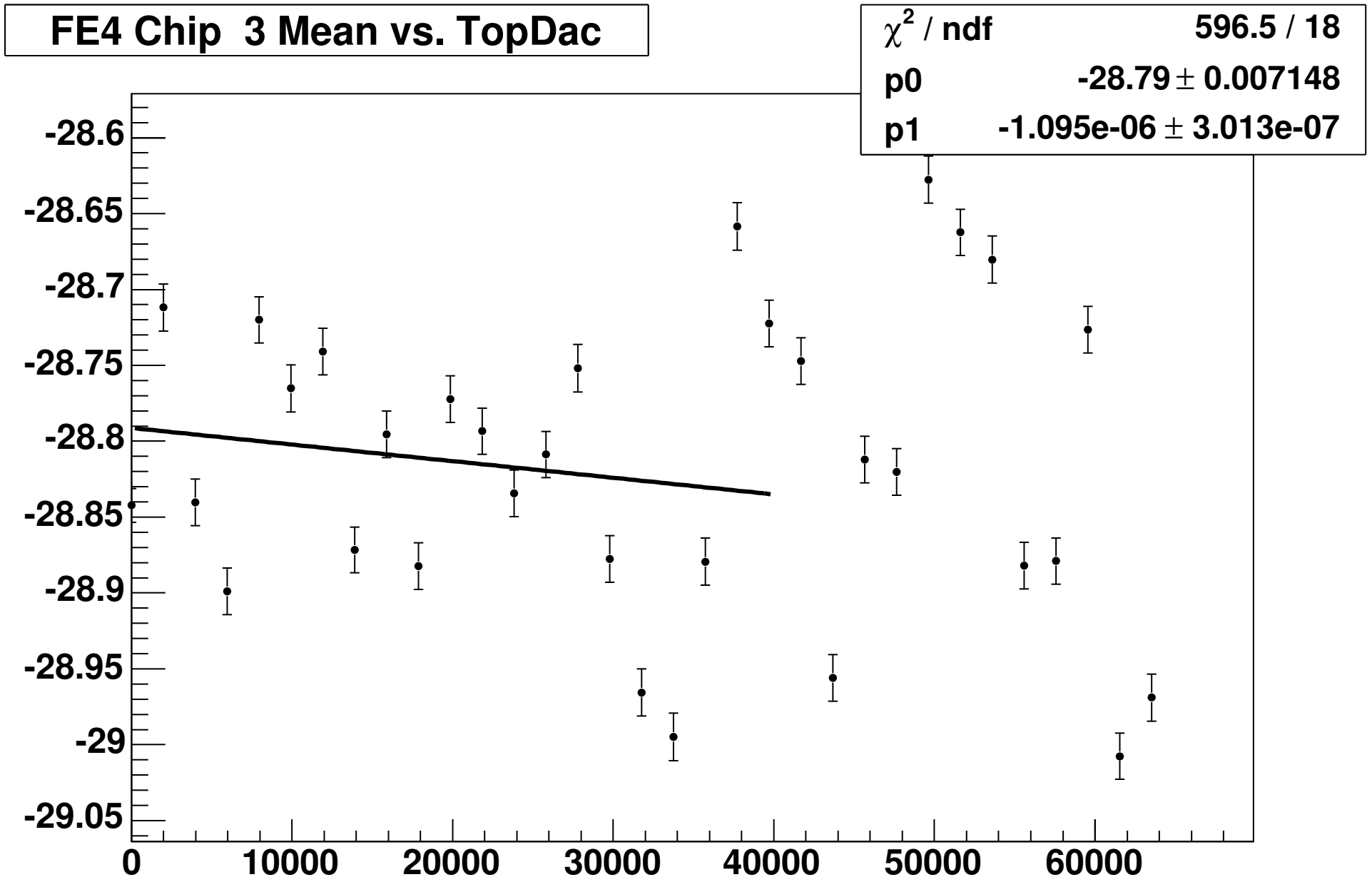
60000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 596.5 / 18
p0 -28.79 ± 0.007148
p1 -1.095e-06 ± 3.013e-07
-28.6
-28.65
-28.7
-28.75
-28.8
-28.85
-28.9
-28.95
-29
-29.05
0
10000
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50000
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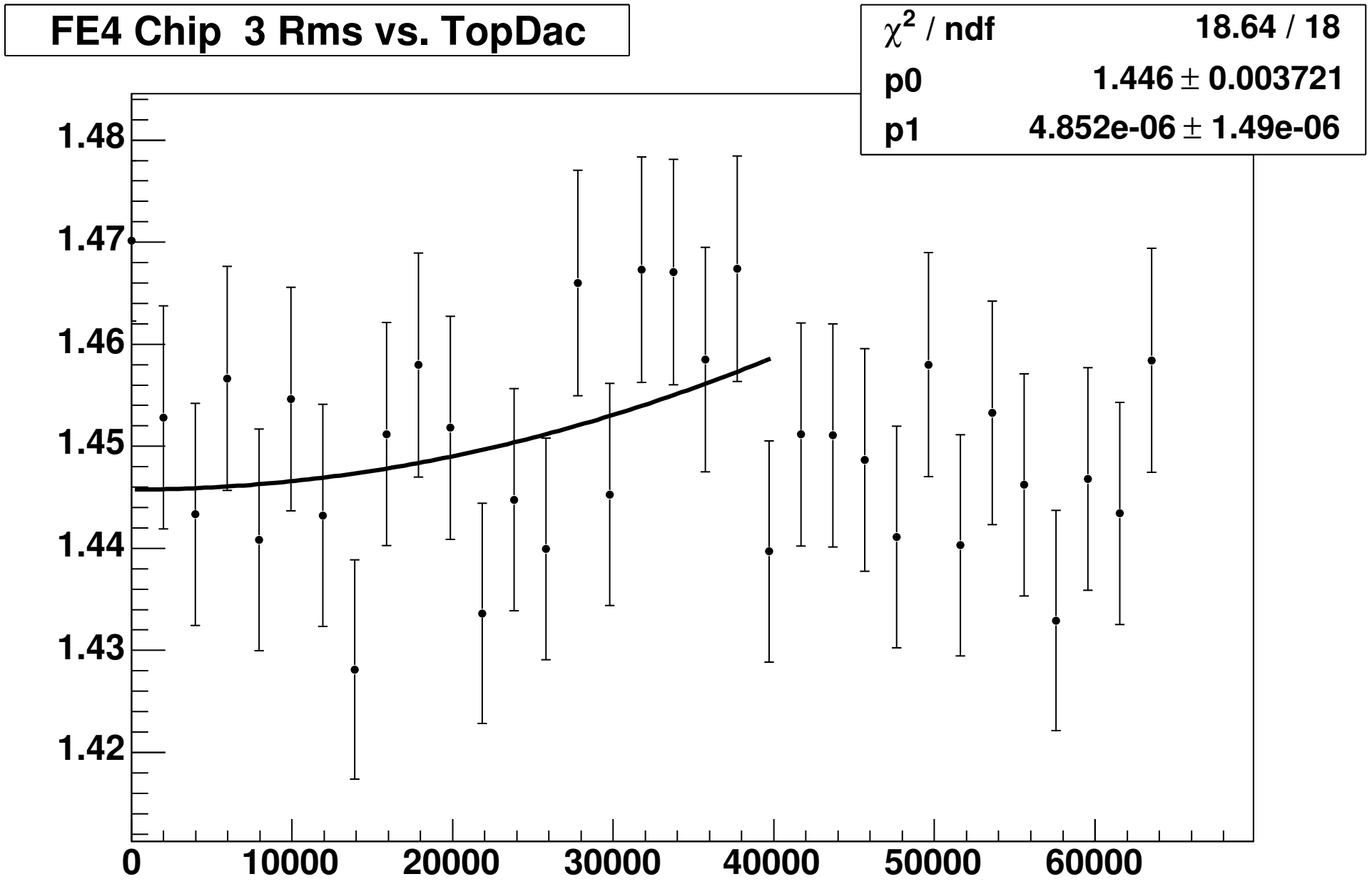
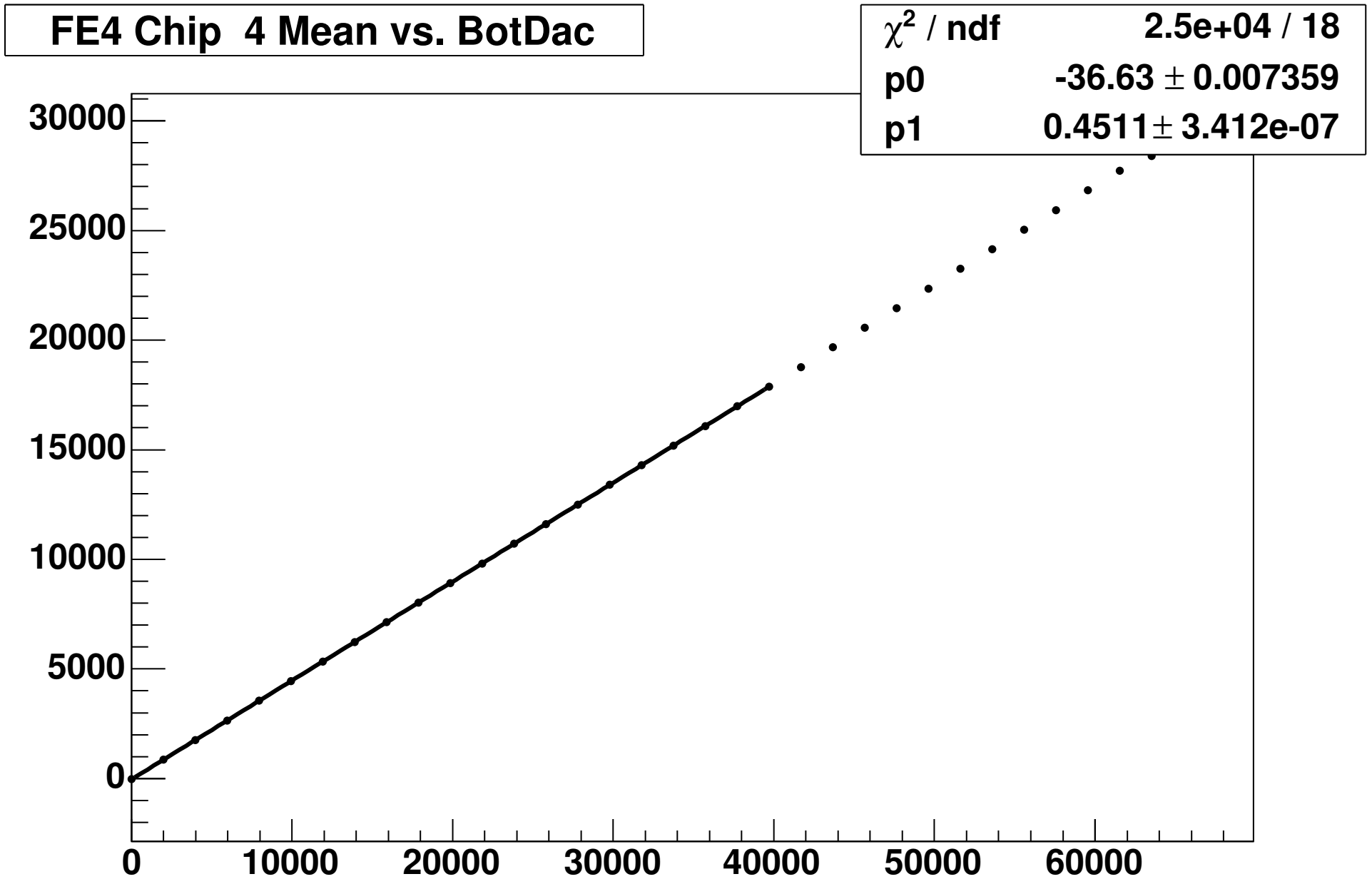
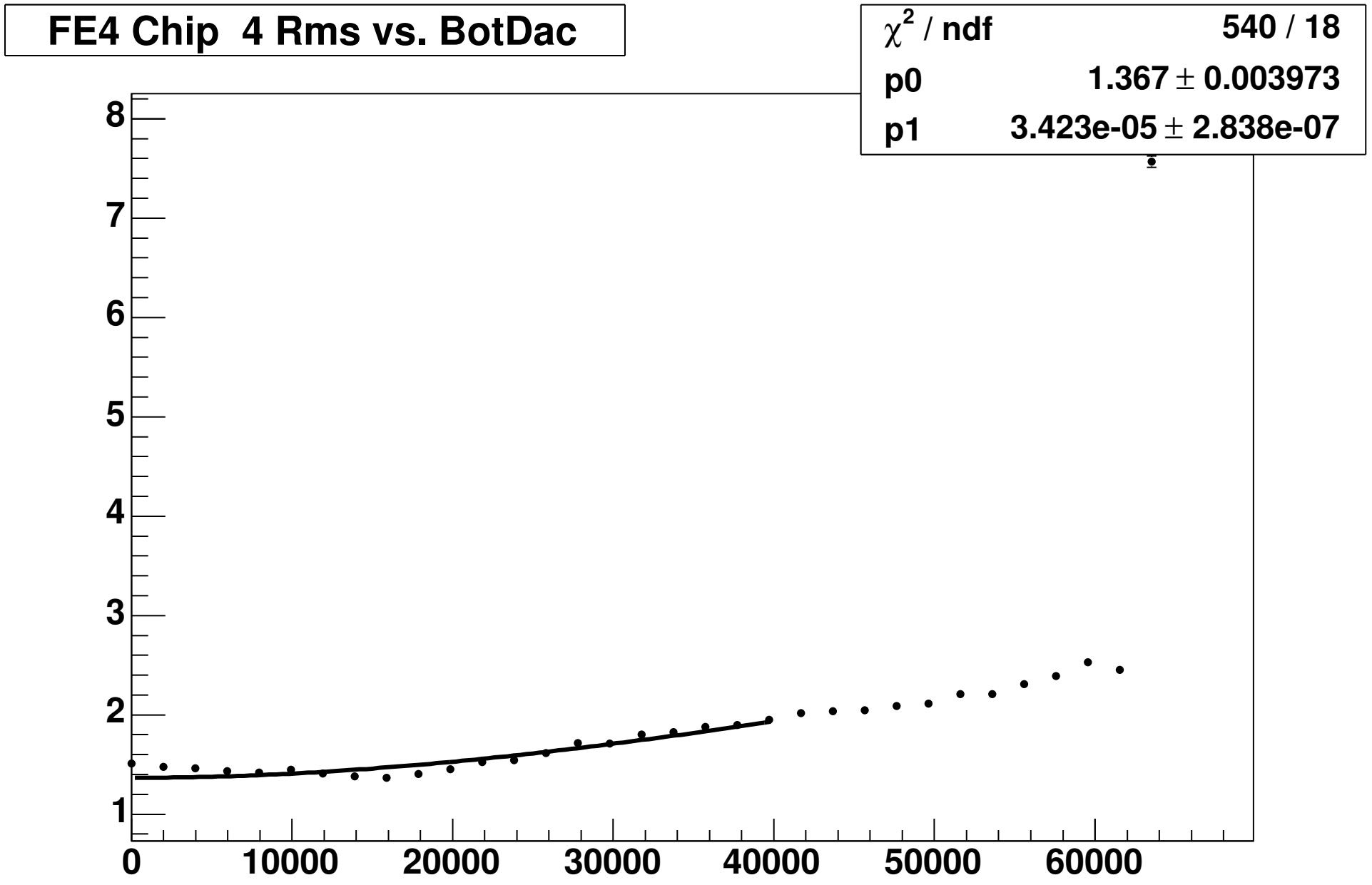
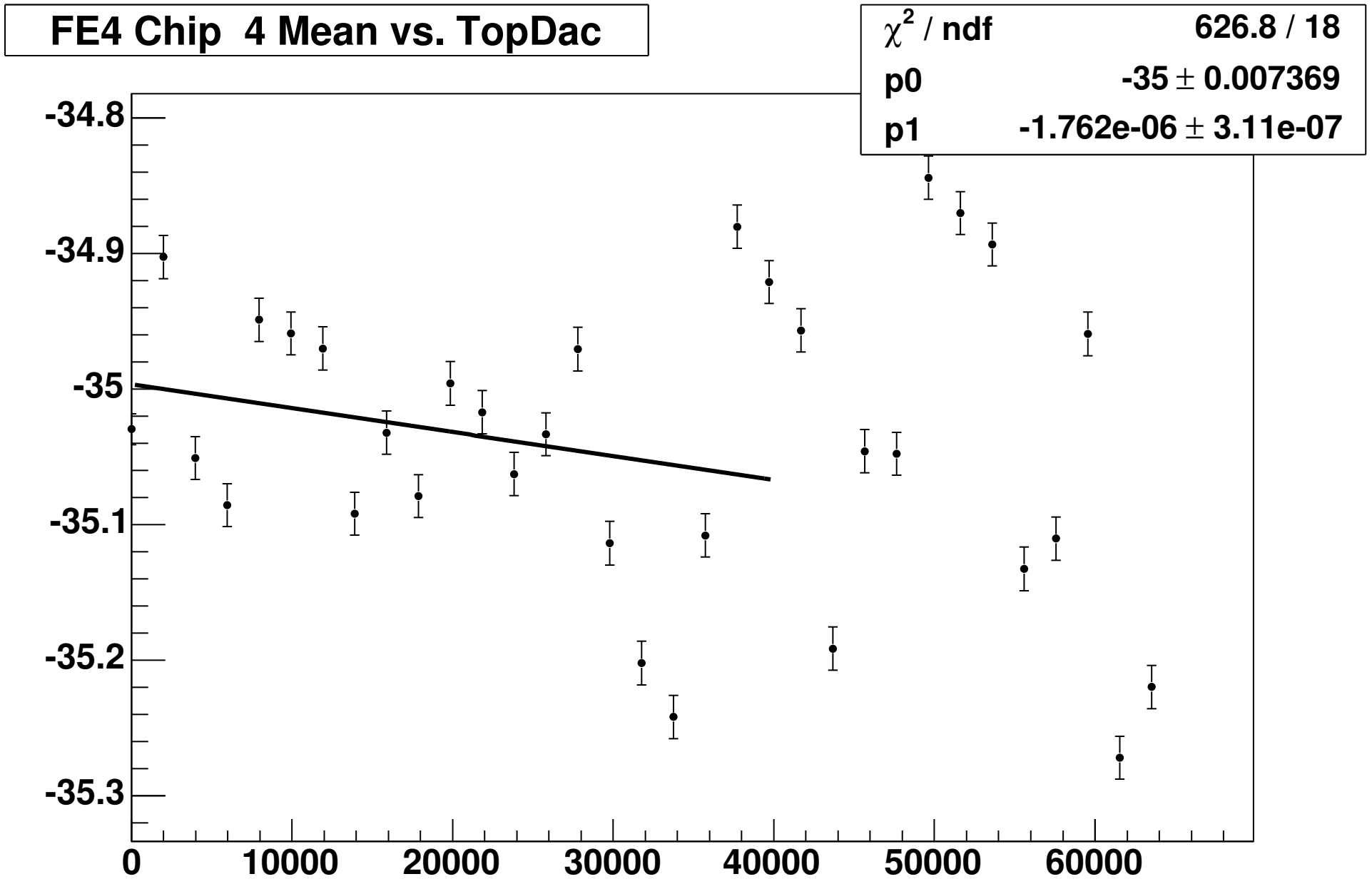
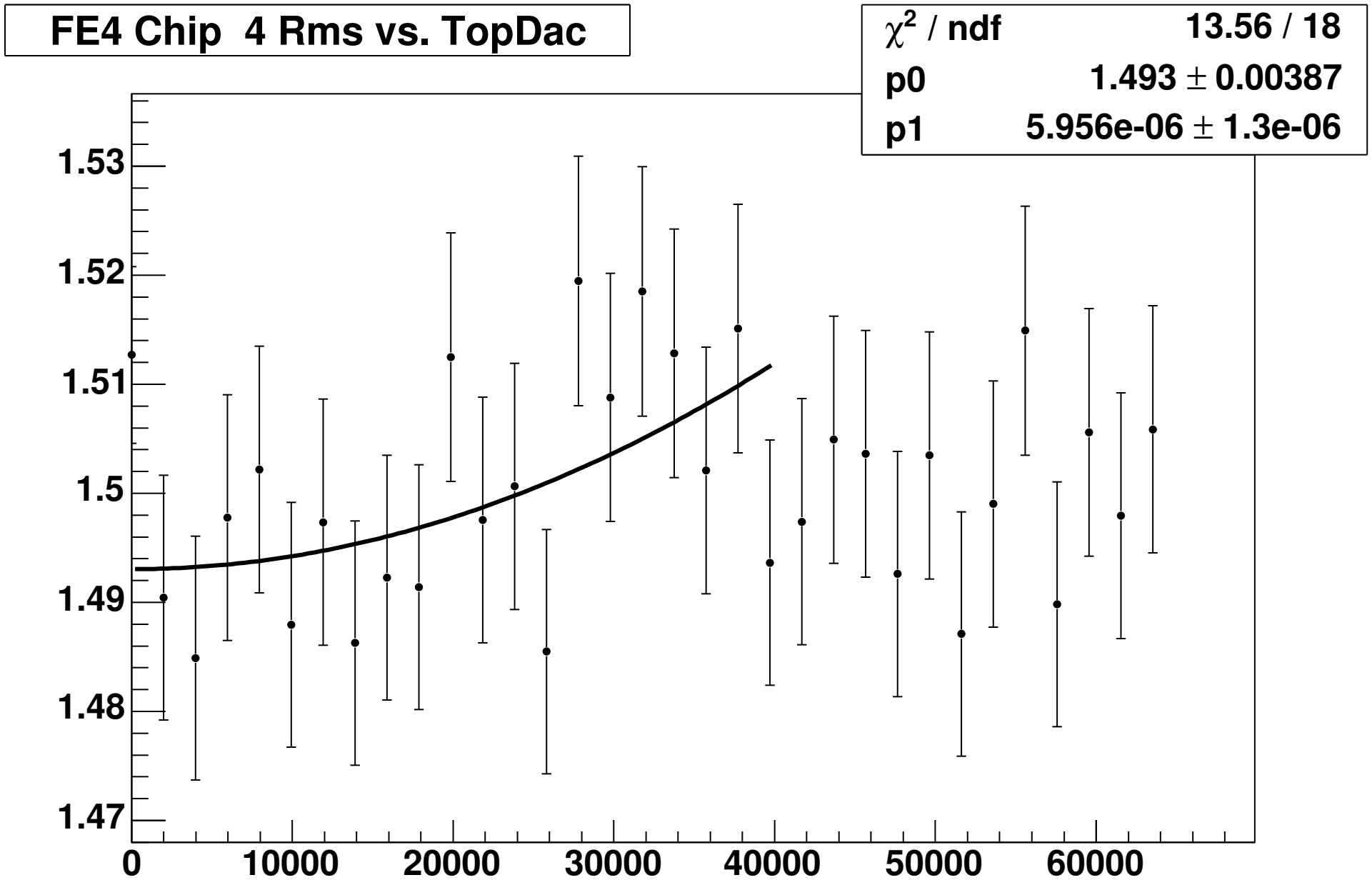
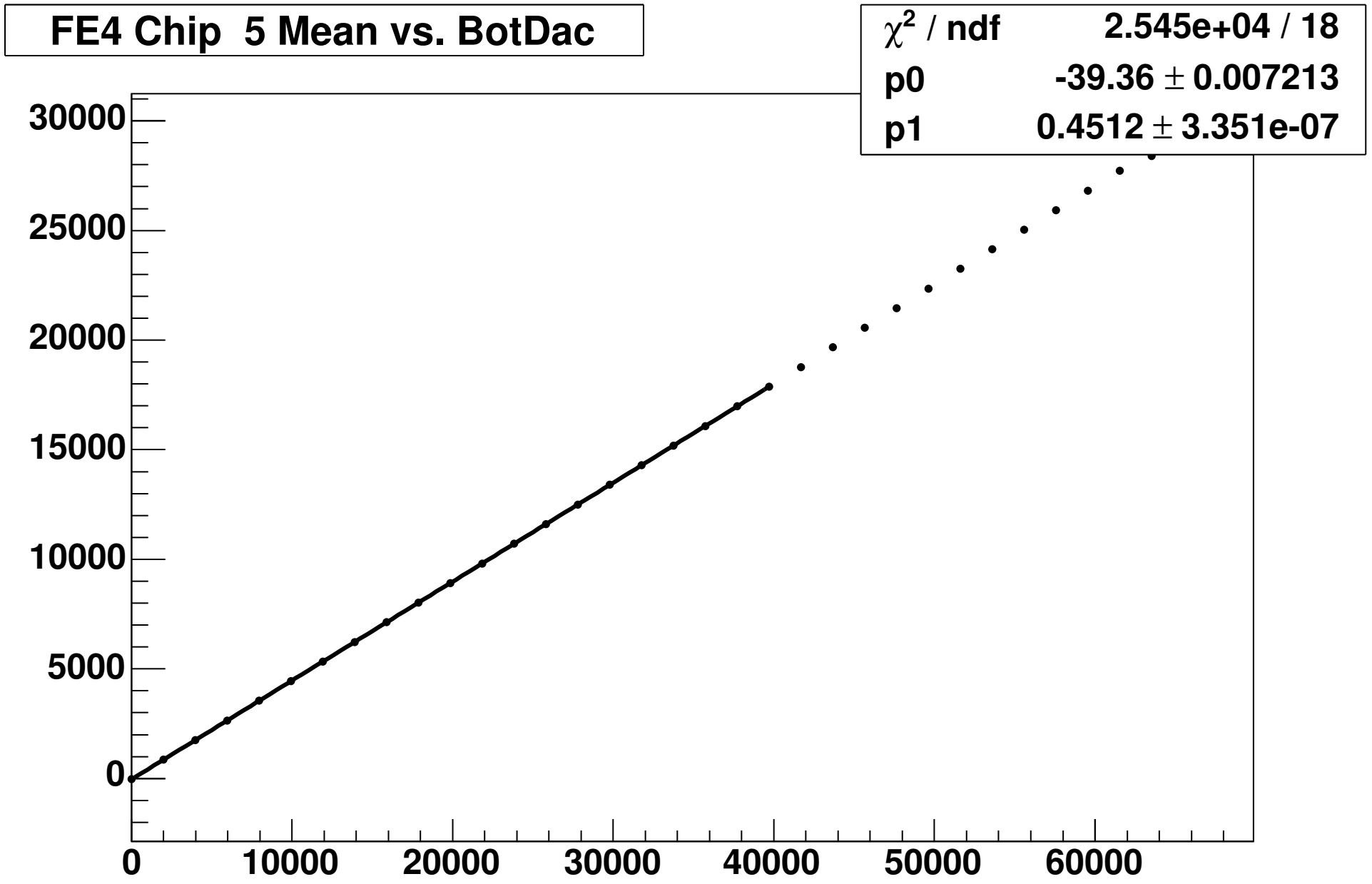

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 18.64 / 18
p0 1.446 ± 0.003721
p1 4.852e-06 ± 1.49e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

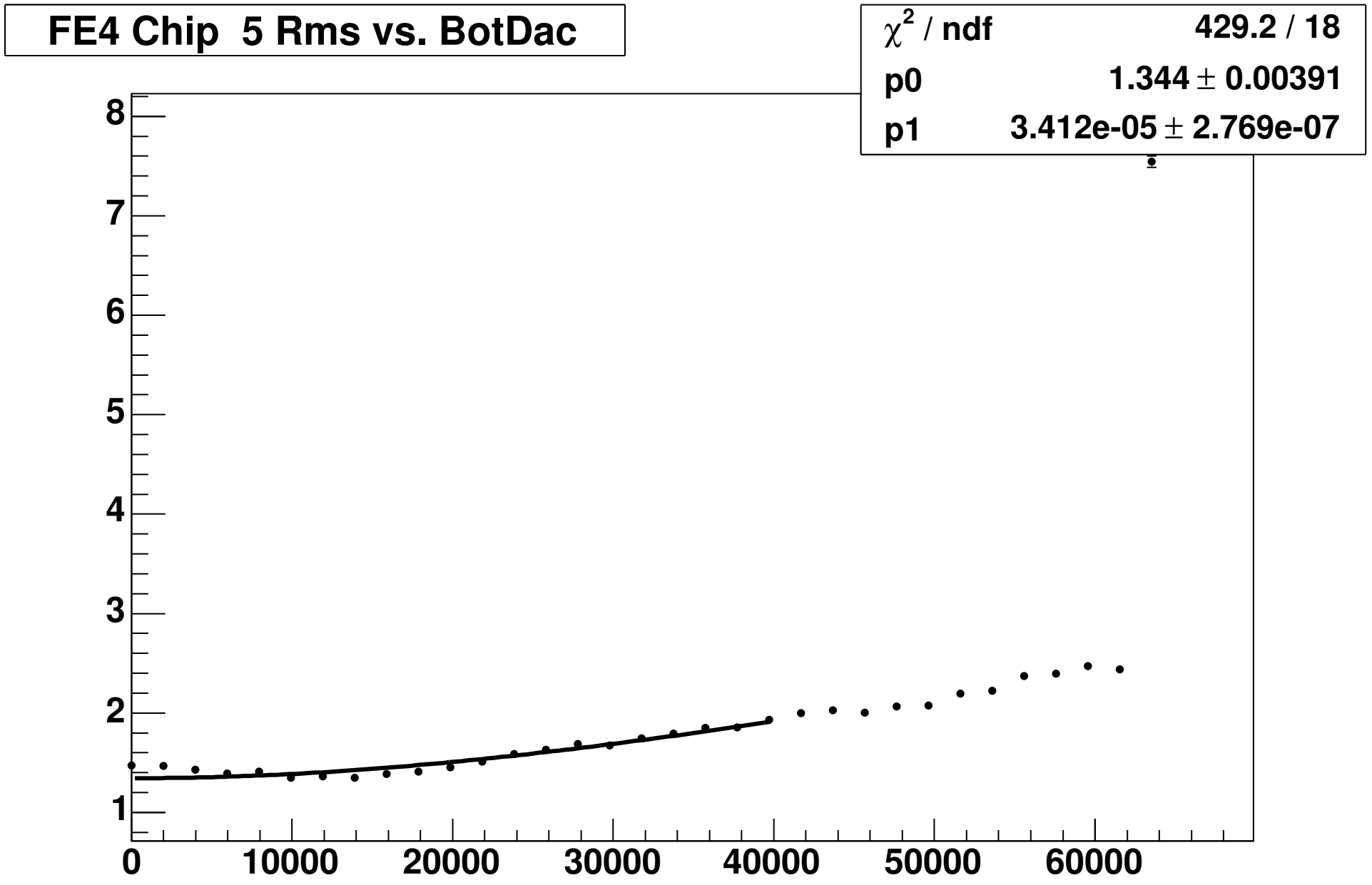

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 2.5e+04 / 18
p0 -36.63 ± 0.007359
p1 0.4511 ± 3.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

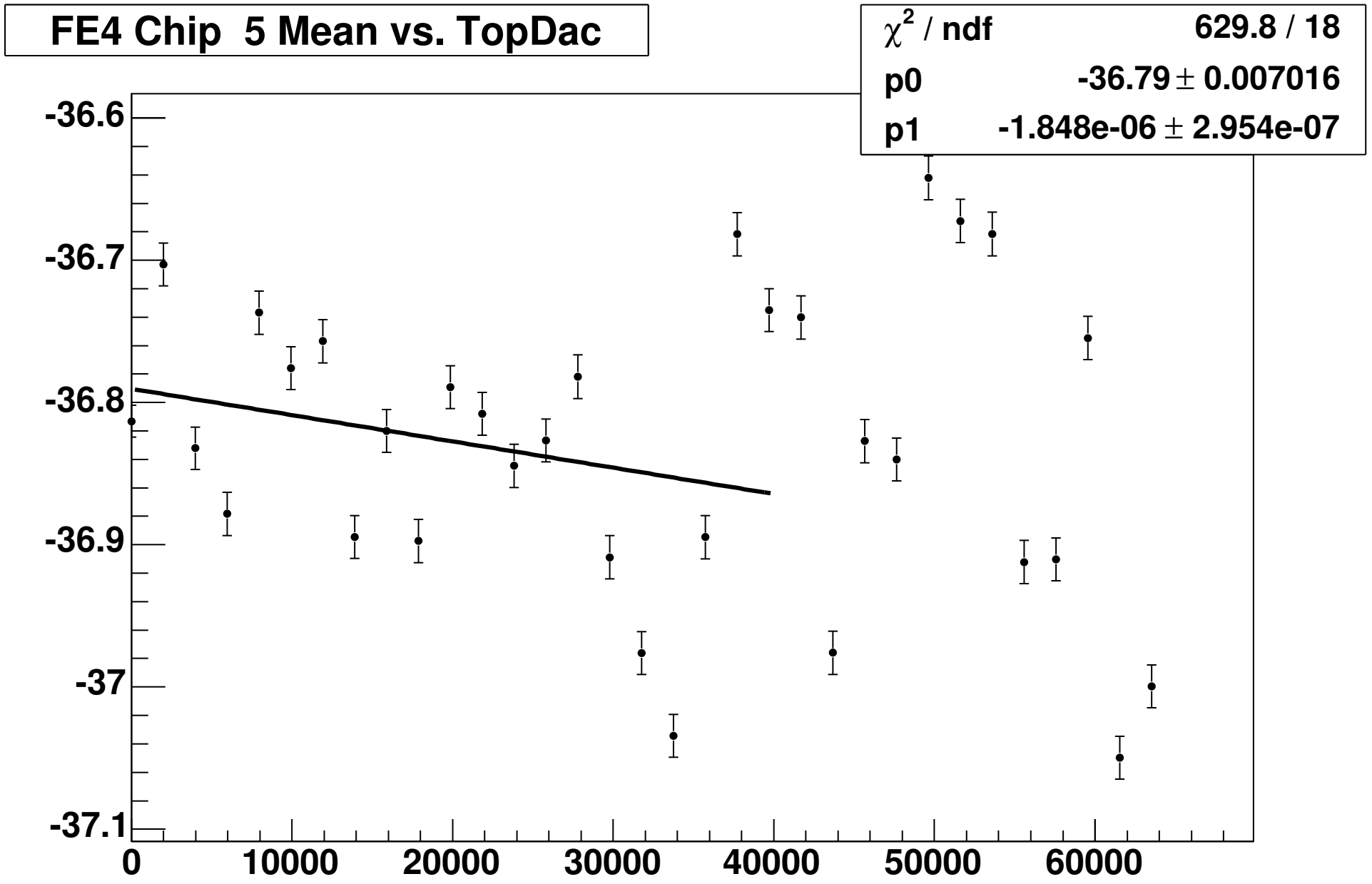

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 540 / 18
p0 1.367 ± 0.003973
p1 3.423e-05 ± 2.838e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 626.8 / 18
p0 -35 ± 0.007369
p1 -1.762e-06 ± 3.11e-07
-34.8
-34.9
-35
-35.1
-35.2
-35.3
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 13.56 / 18
p0 1.493 ± 0.00387
p1 5.956e-06 ± 1.3e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 2.545e+04 / 18
p0 -39.36 ± 0.007213
p1 0.4512 ± 3.351e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 429.2 / 18
p0 1.344 ± 0.00391
p1 3.412e-05 ± 2.769e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 629.8 / 18
p0 -36.79 ± 0.007016
p1 -1.848e-06 ± 2.954e-07
-36.6
-36.7
-36.8
-36.9
-37
-37.1
0
10000
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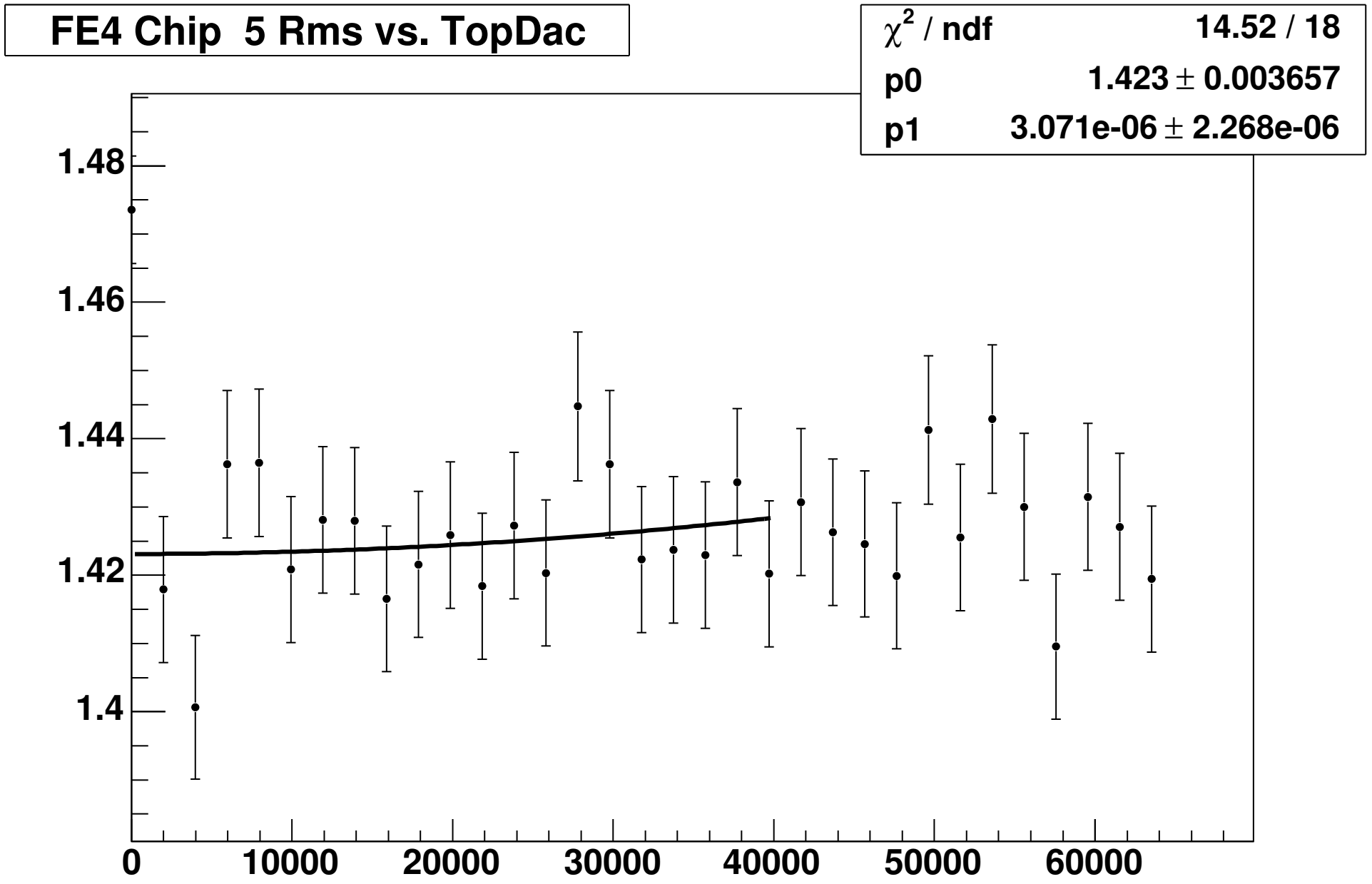
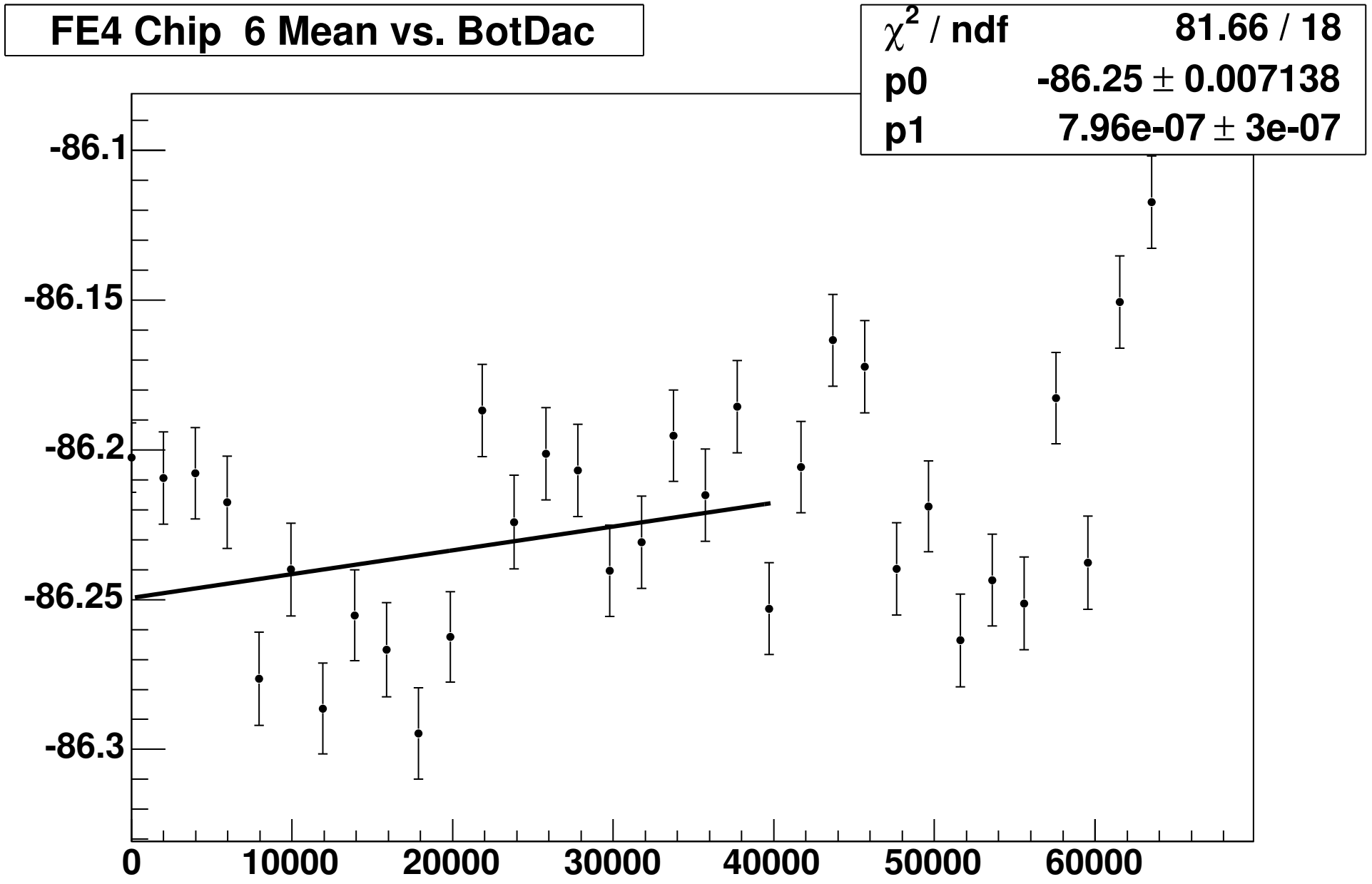
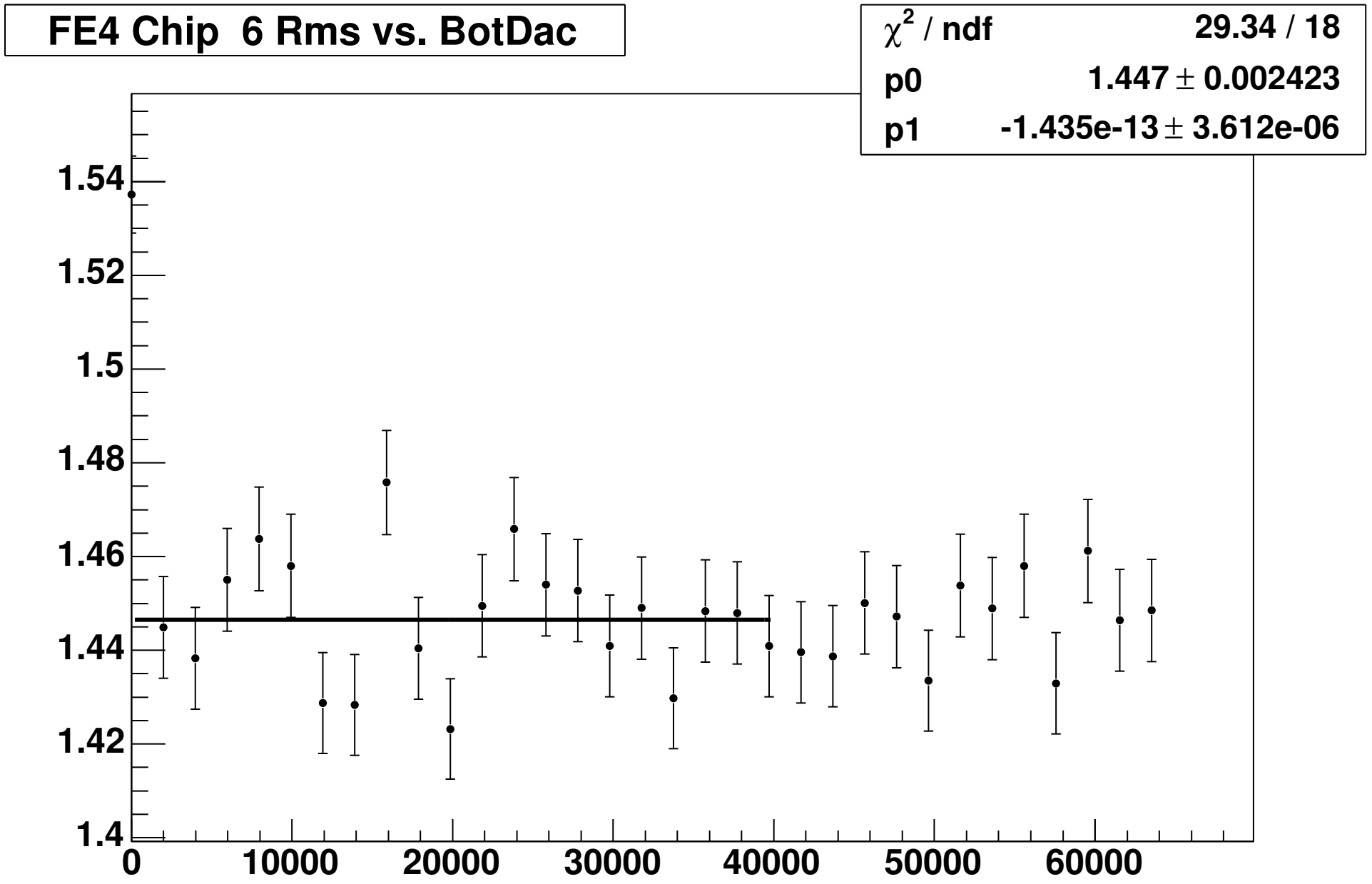
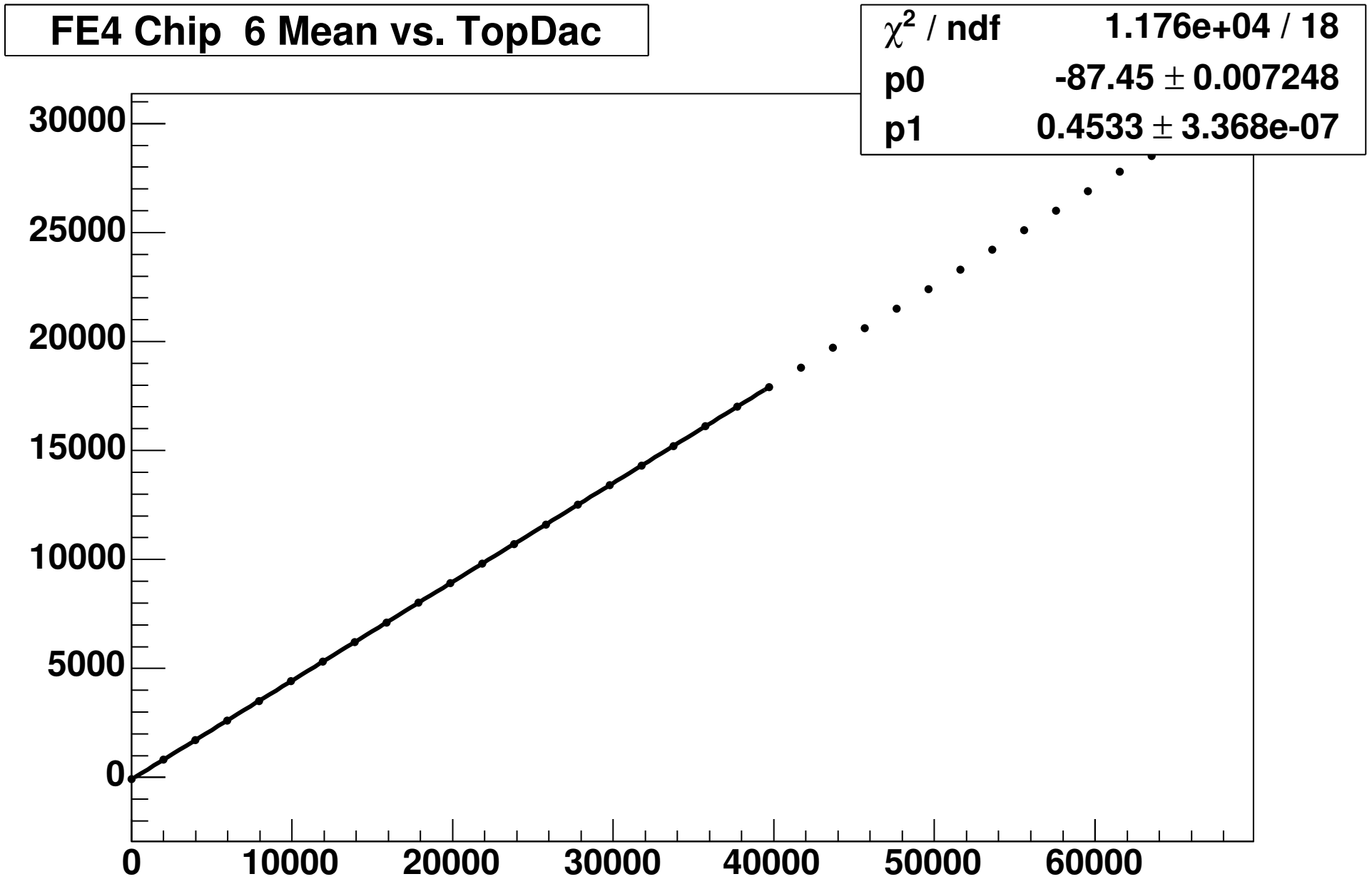
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 14.52 / 18
p0 1.423 ± 0.003657
p1 3.071e-06 ± 2.268e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 81.66 / 18
p0 -86.25 ± 0.007138
p1 7.96e-07 ± 3e-07
-86.1
-86.15
-86.2
-86.25
-86.3
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 29.34 / 18
p0 1.447 ± 0.002423
p1 -1.435e-13 ± 3.612e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.176e+04 / 18
p0 -87.45 ± 0.007248
p1 0.4533 ± 3.368e-07
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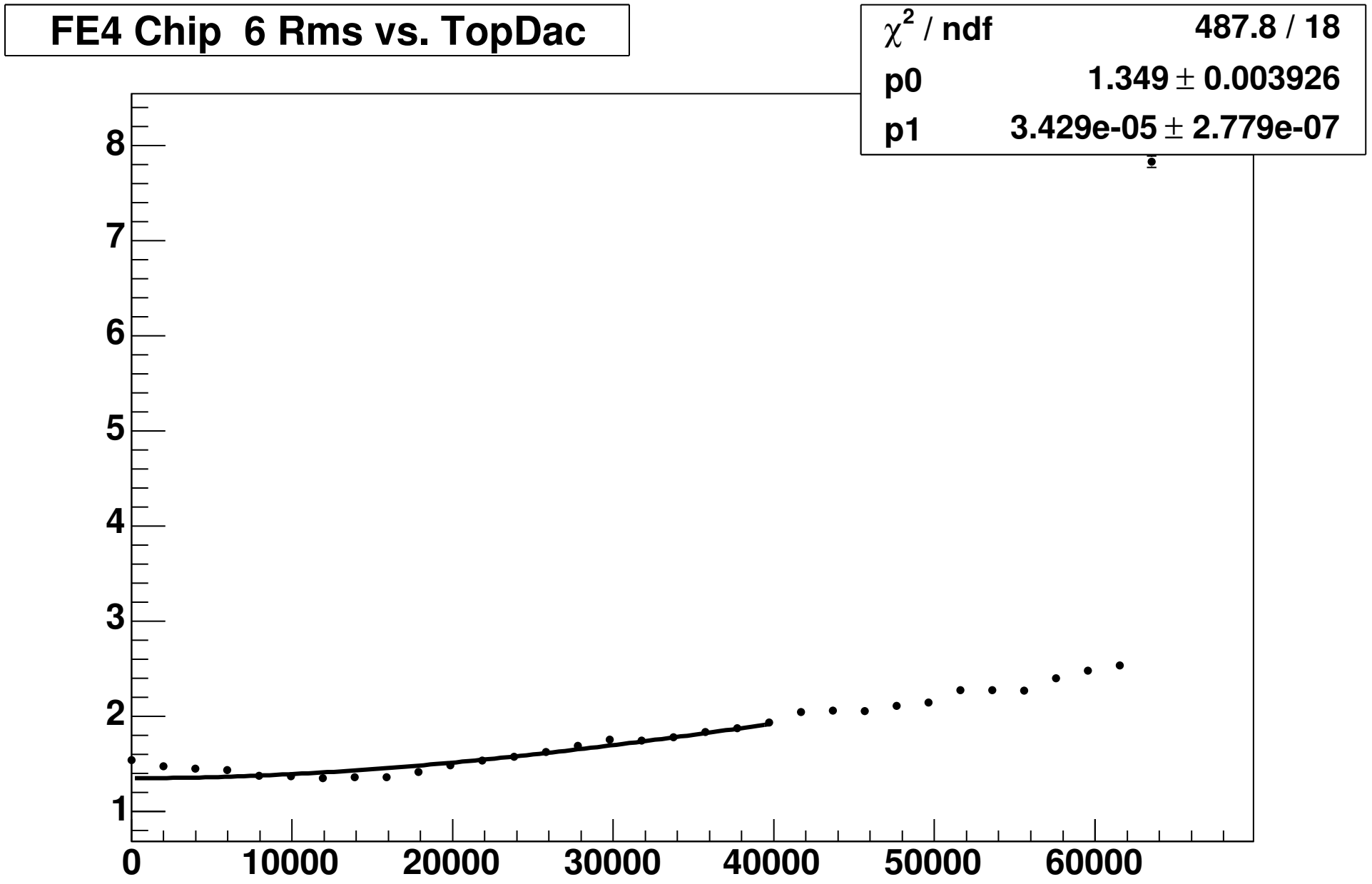
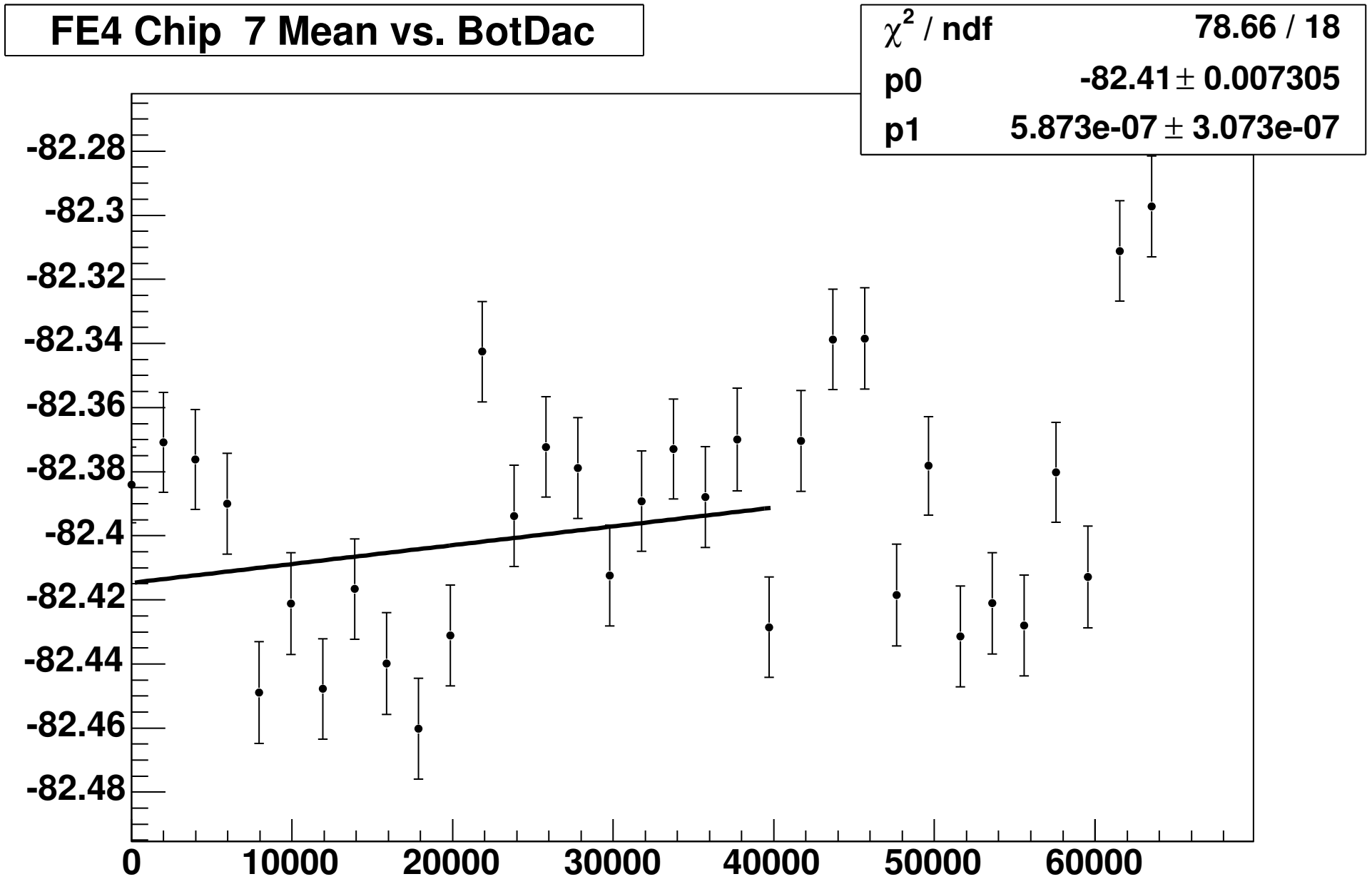
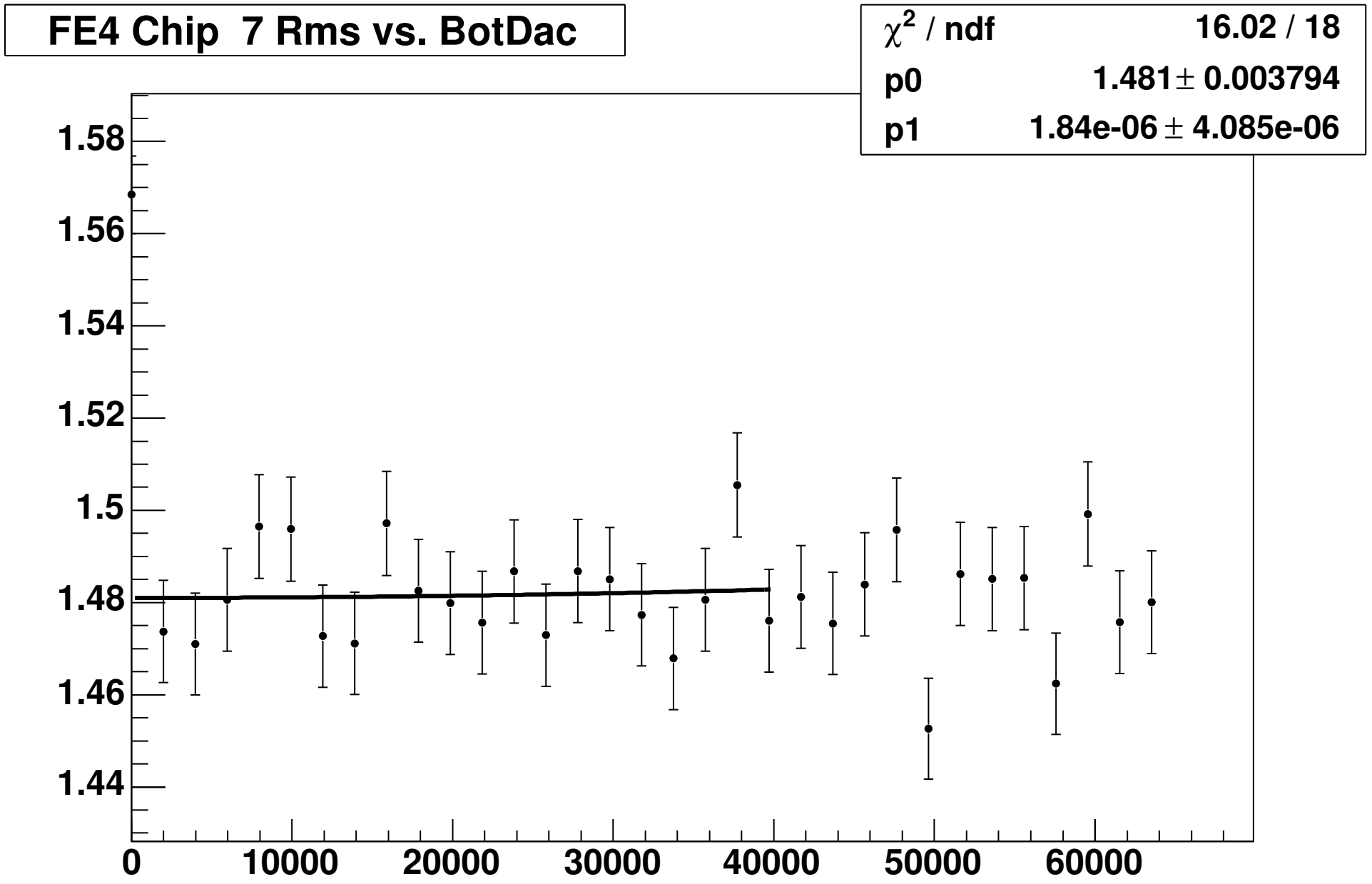
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 487.8 / 18
p0 1.349 ± 0.003926
p1 3.429e-05 ± 2.779e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 78.66 / 18
p0 -82.41 ± 0.007305
p1 5.873e-07 ± 3.073e-07
-82.28
-82.3
-82.32
-82.34
-82.36
-82.38
-82.4
-82.42
-82.44
-82.46
-82.48
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 16.02 / 18
p0 1.481 ± 0.003794
p1 1.84e-06 ± 4.085e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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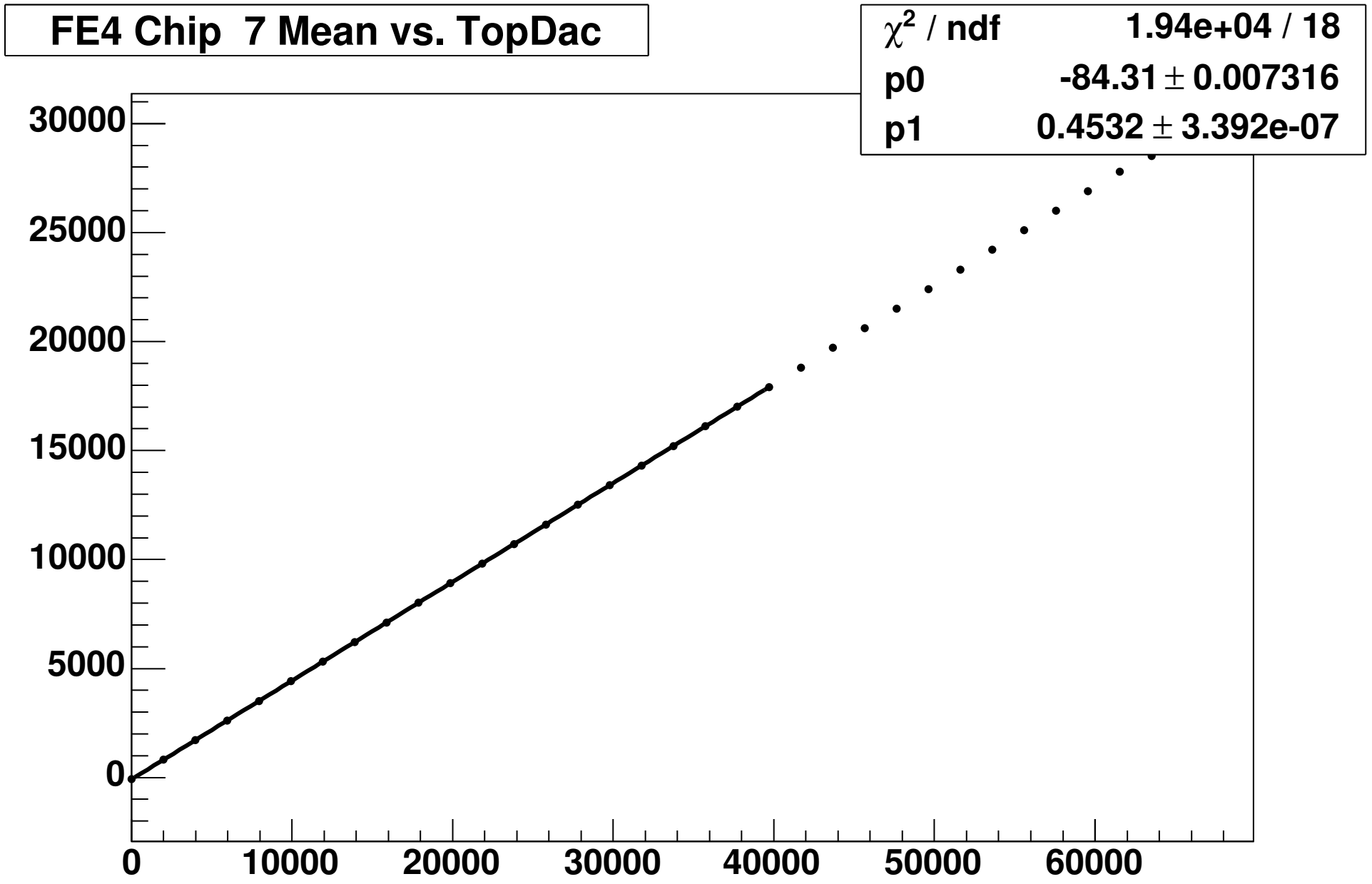
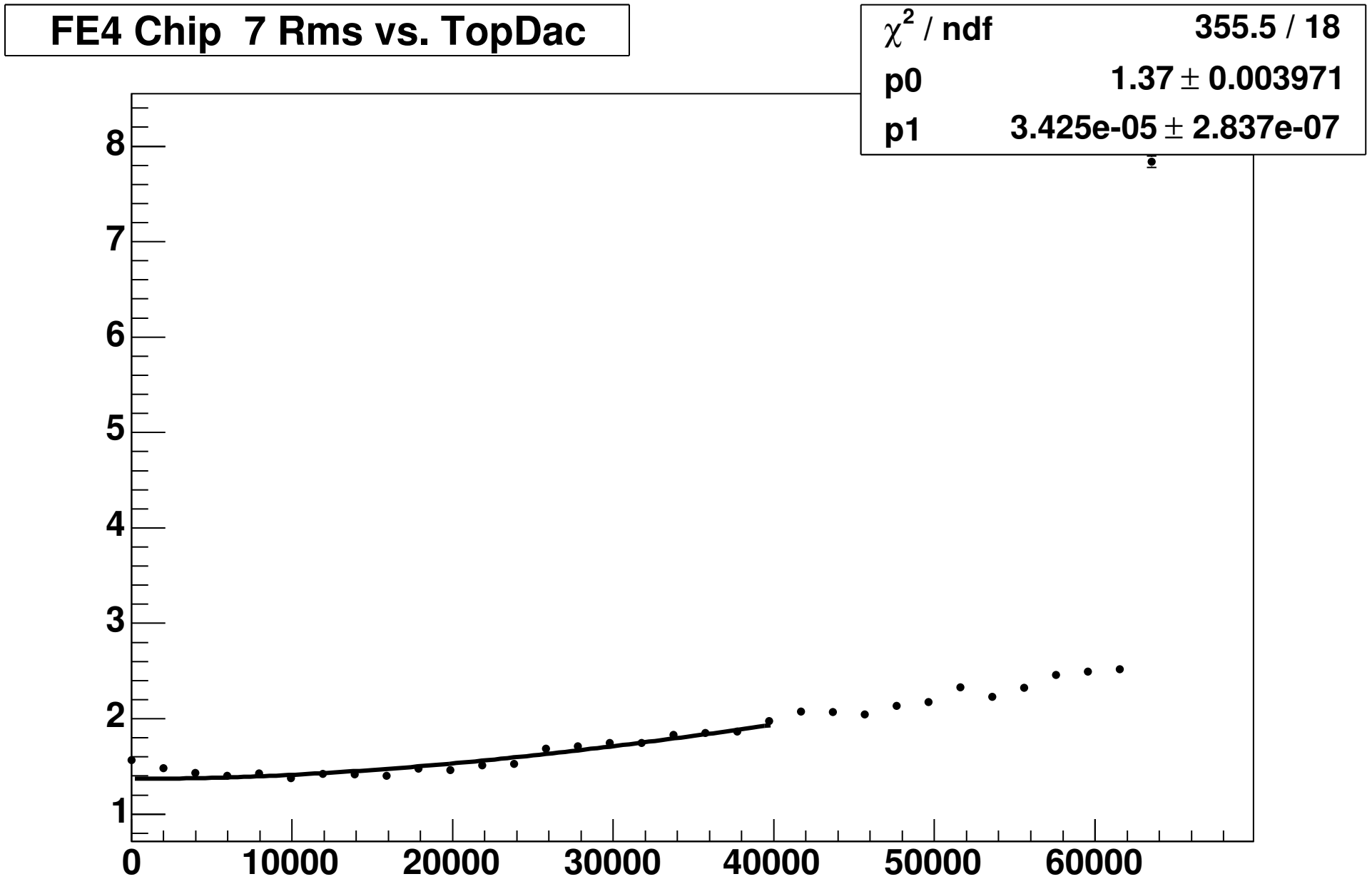
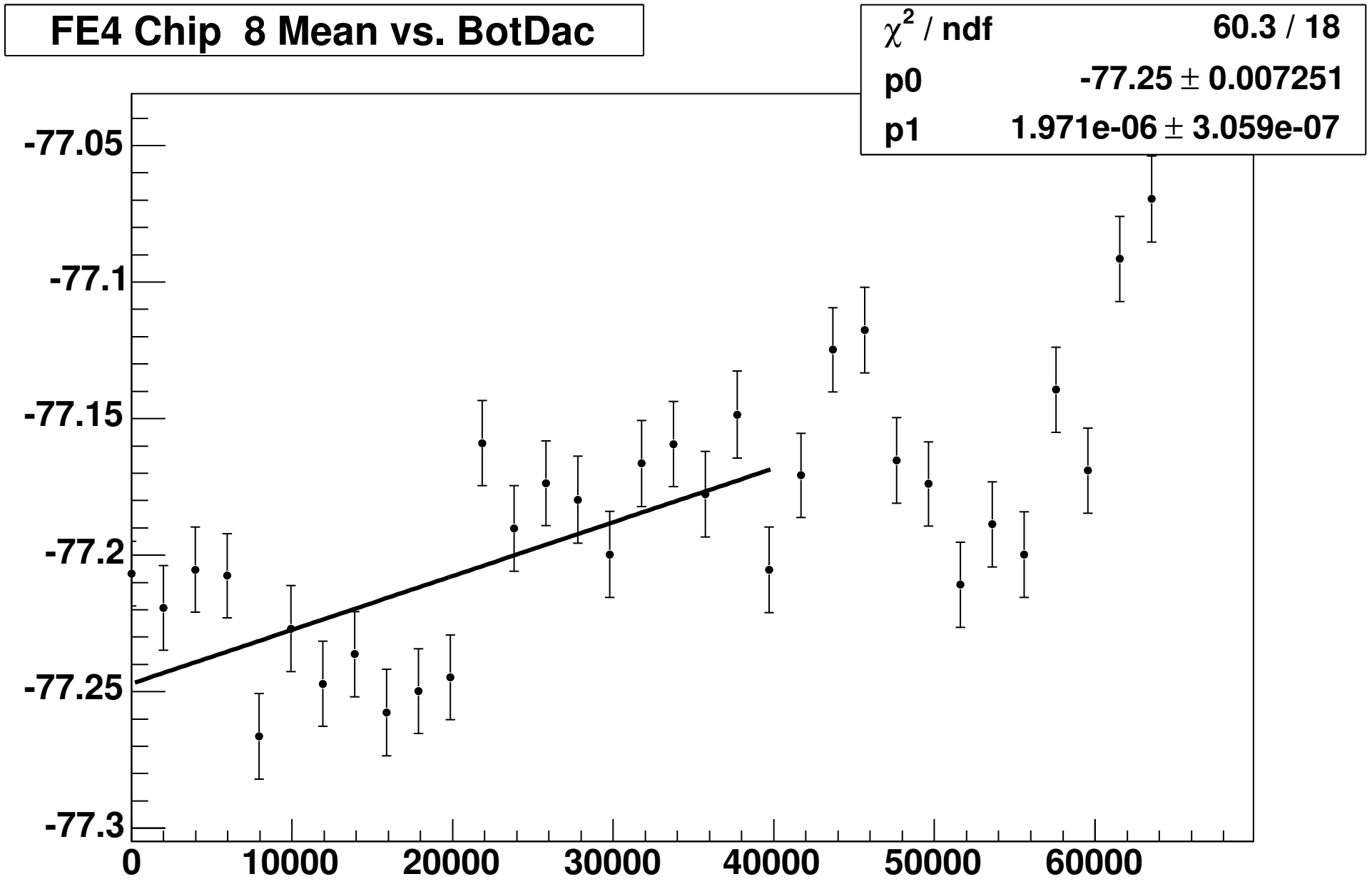
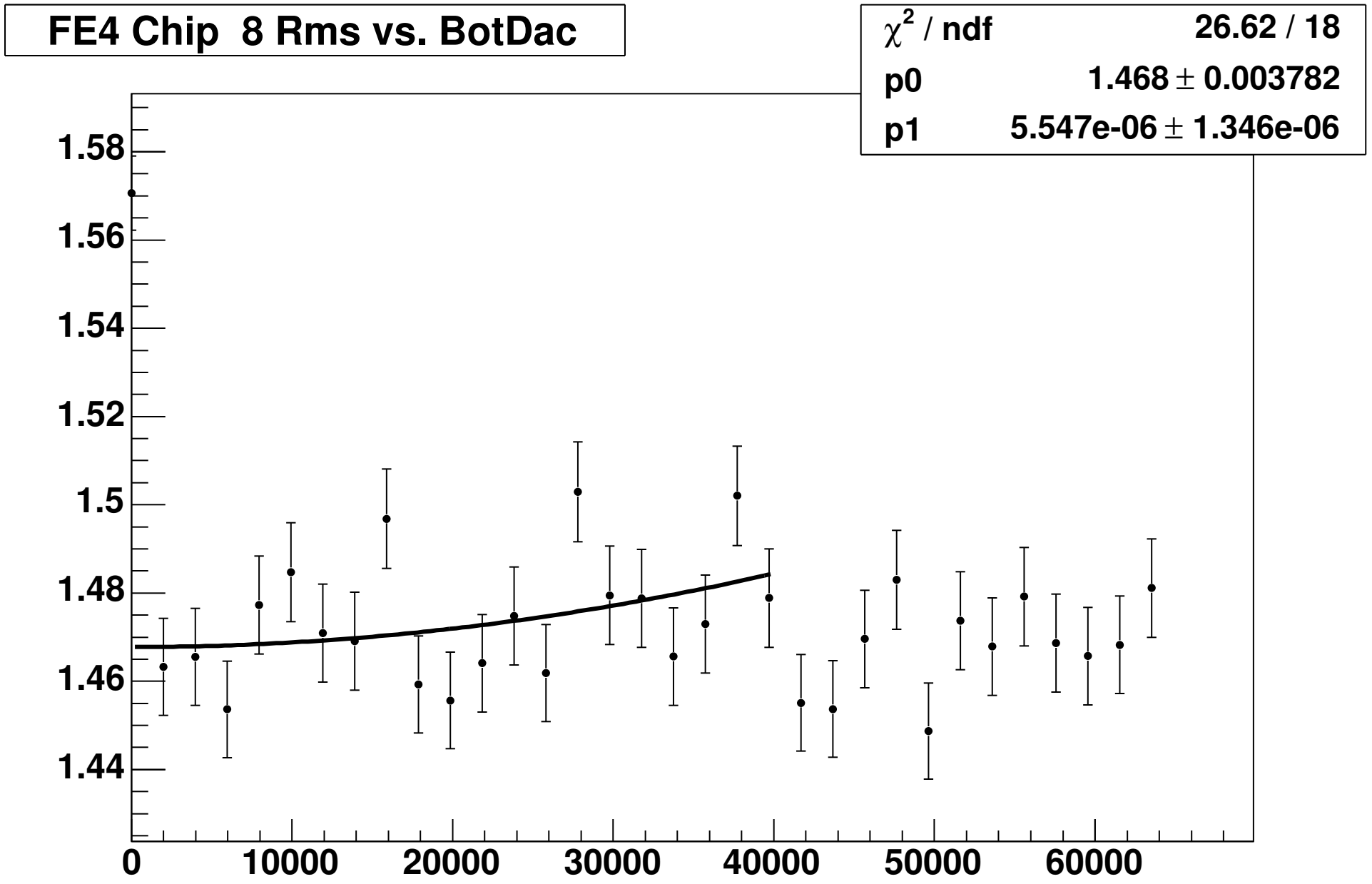
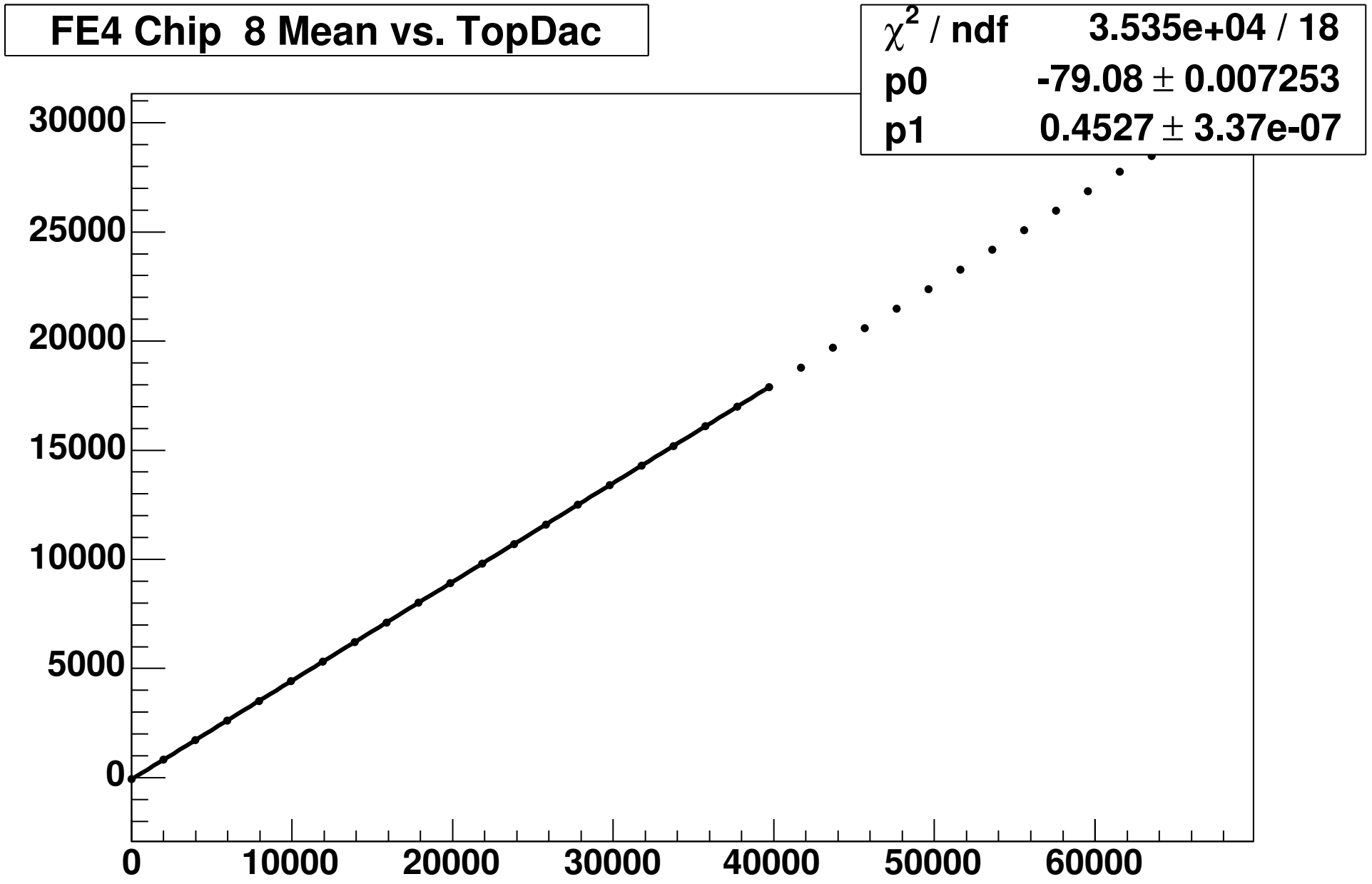
30000
40000
50000
60000

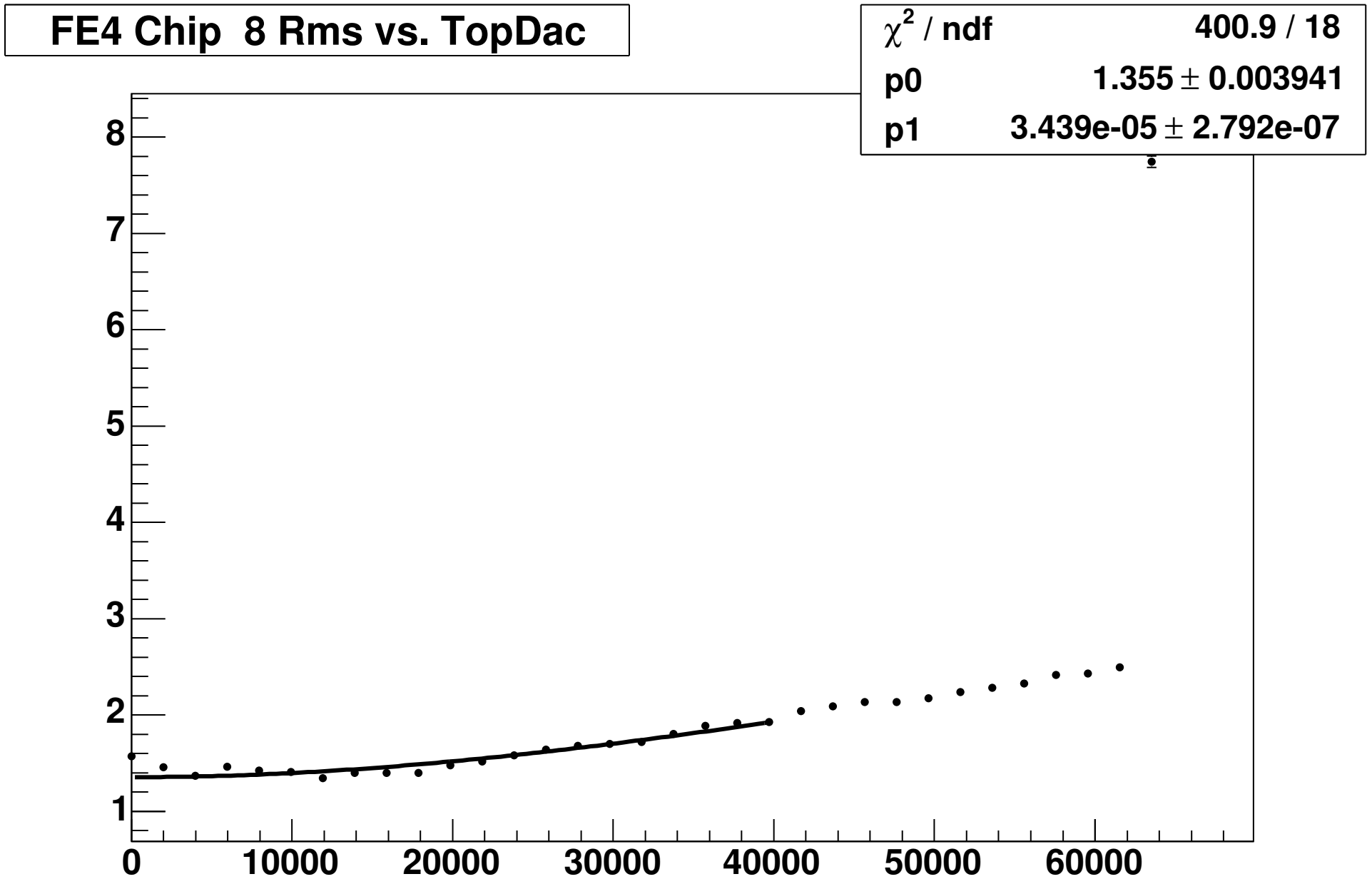

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.94e+04 / 18
p0 -84.31 ± 0.007316
p1 0.4532 ± 3.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

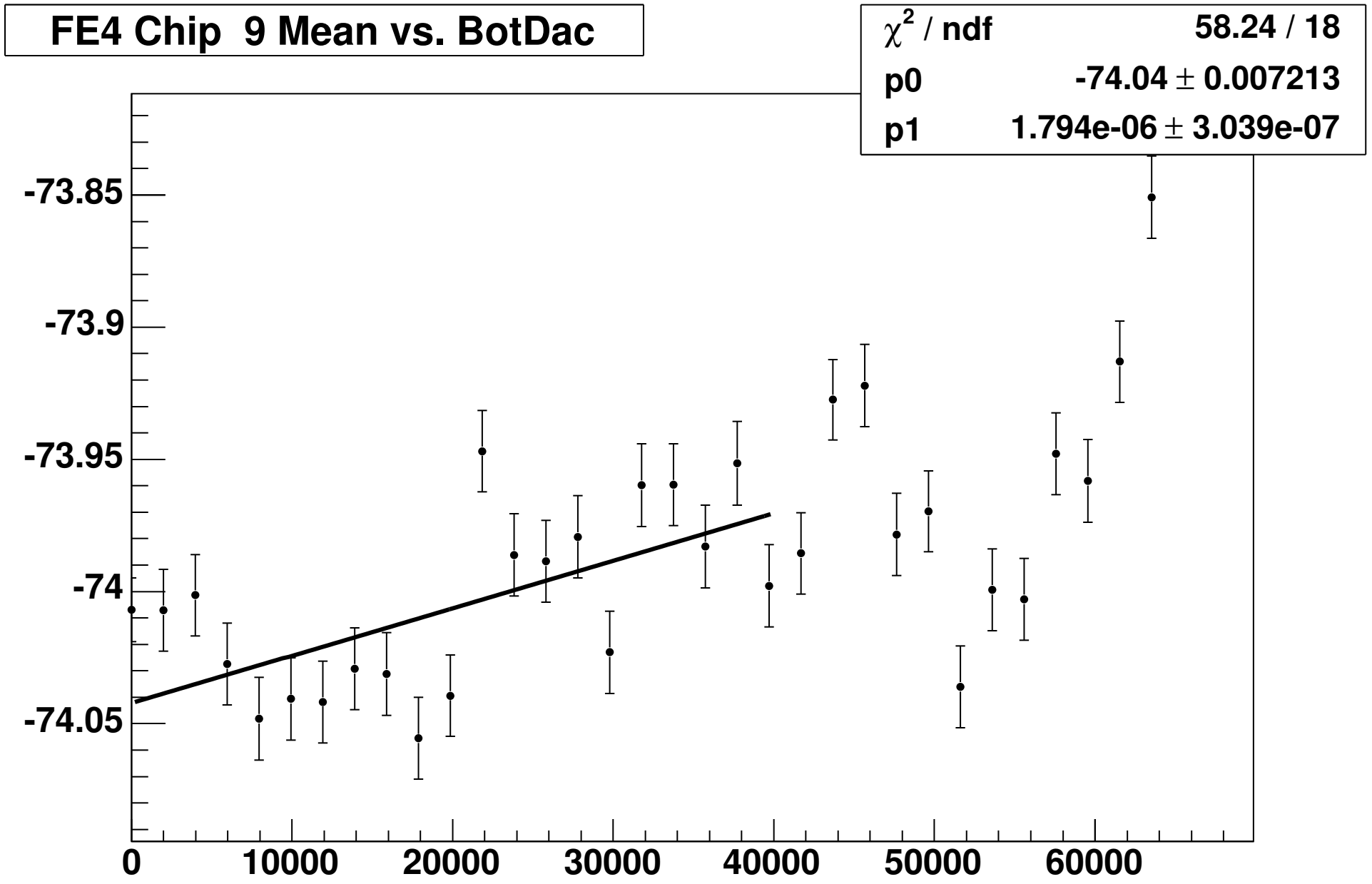

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 355.5 / 18
p0 1.37 ± 0.003971
p1 3.425e-05 ± 2.837e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

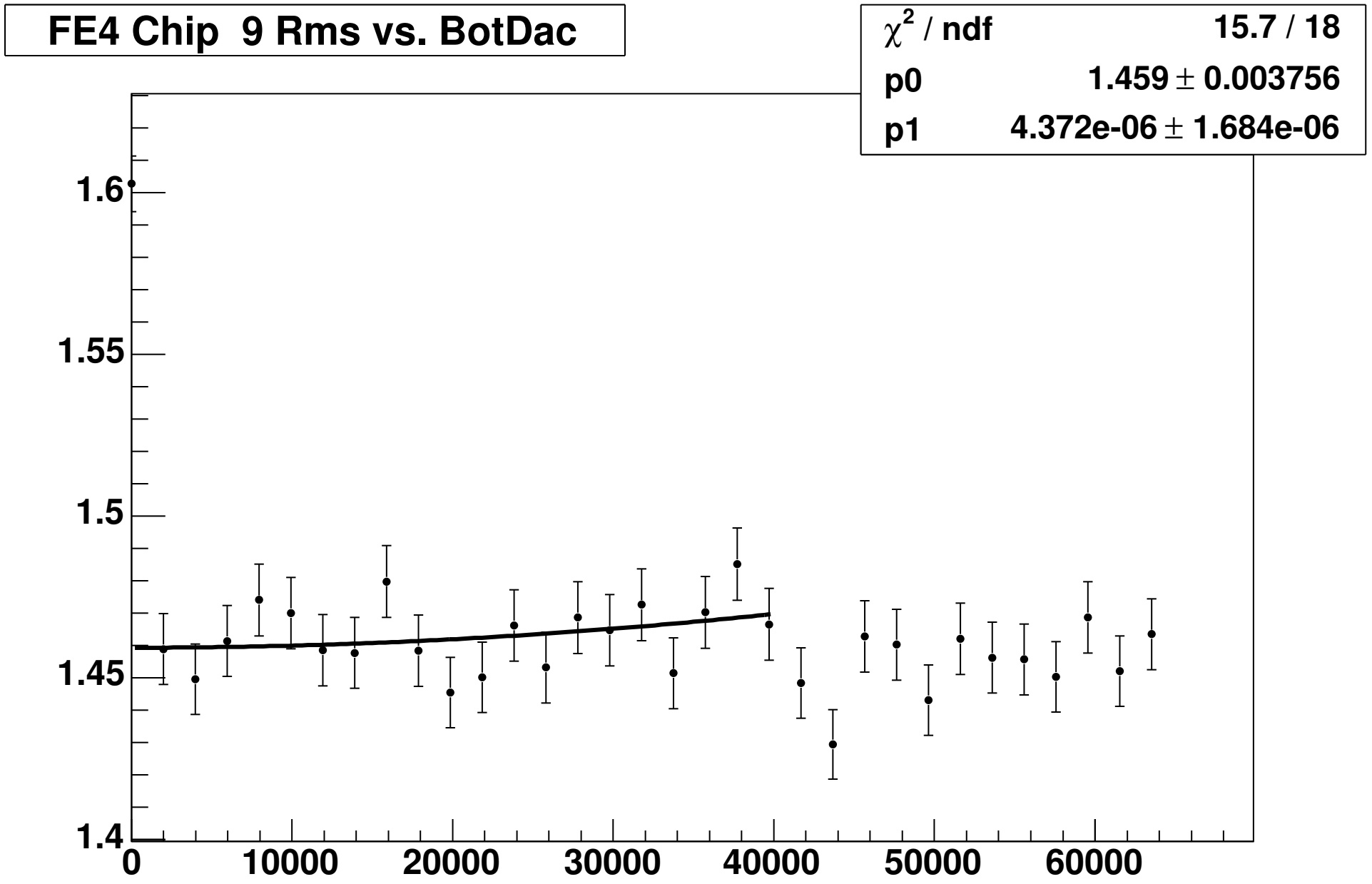

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 60.3 / 18
p0 -77.25 ± 0.007251
p1 1.971e-06 ± 3.059e-07
-77.05
-77.1
-77.15
-77.2
-77.25
-77.3
0
10000
20000
30000
40000
50000
60000

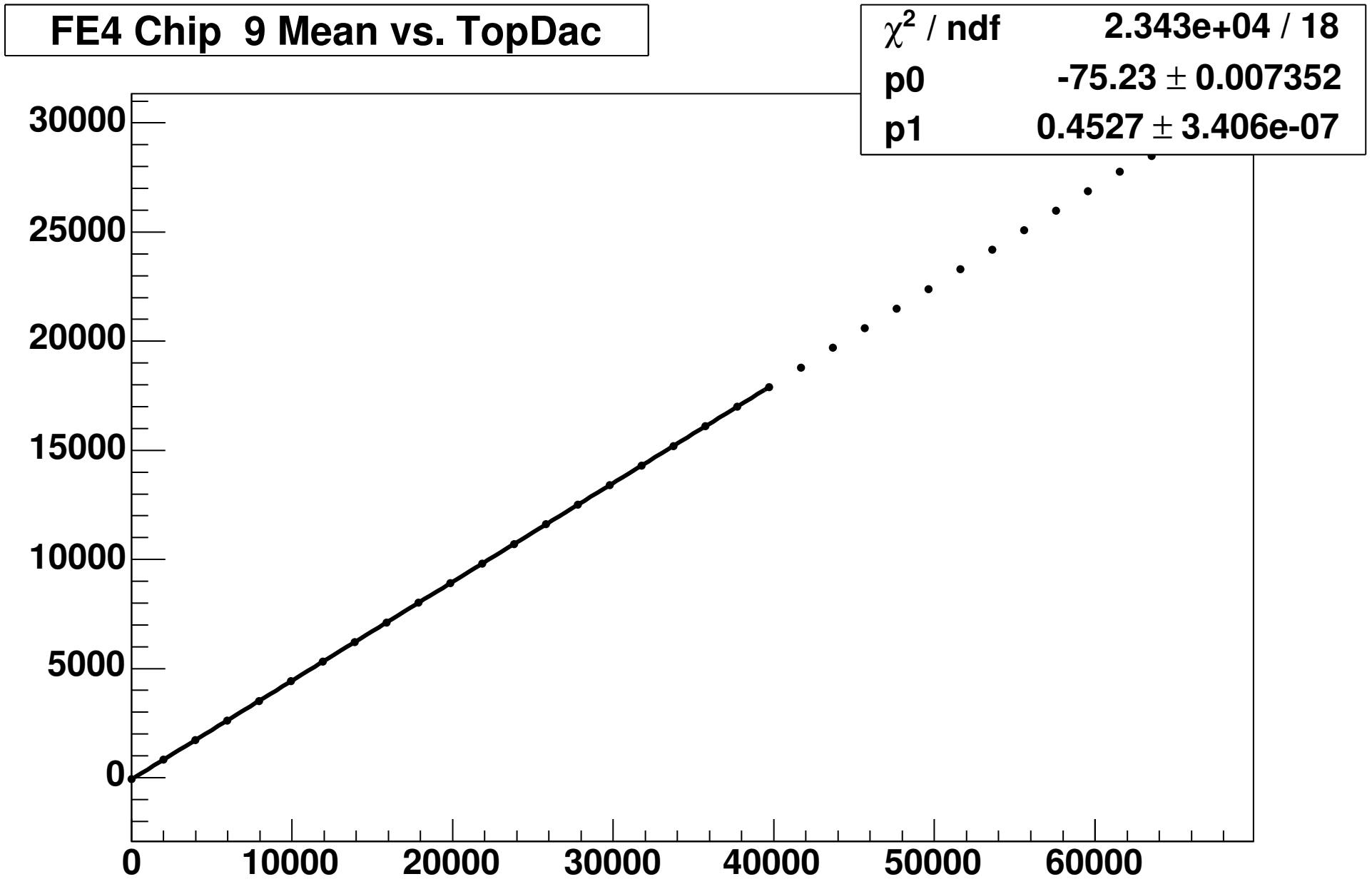

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 26.62 / 18
p0 1.468 ± 0.003782
p1 5.547e-06 ± 1.346e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

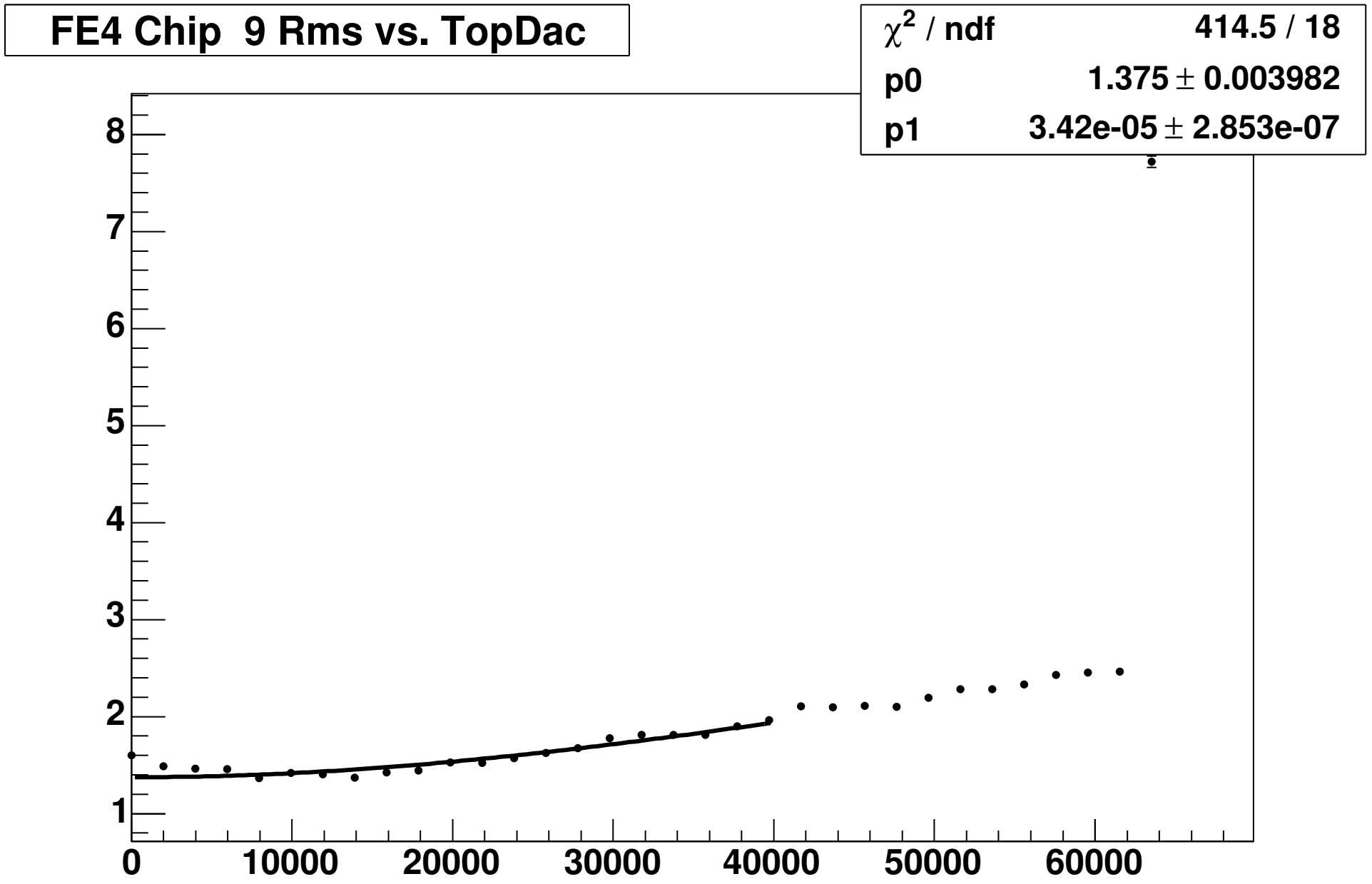

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 3.535e+04 / 18
p0 -79.08 ± 0.007253
p1 0.4527 ± 3.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

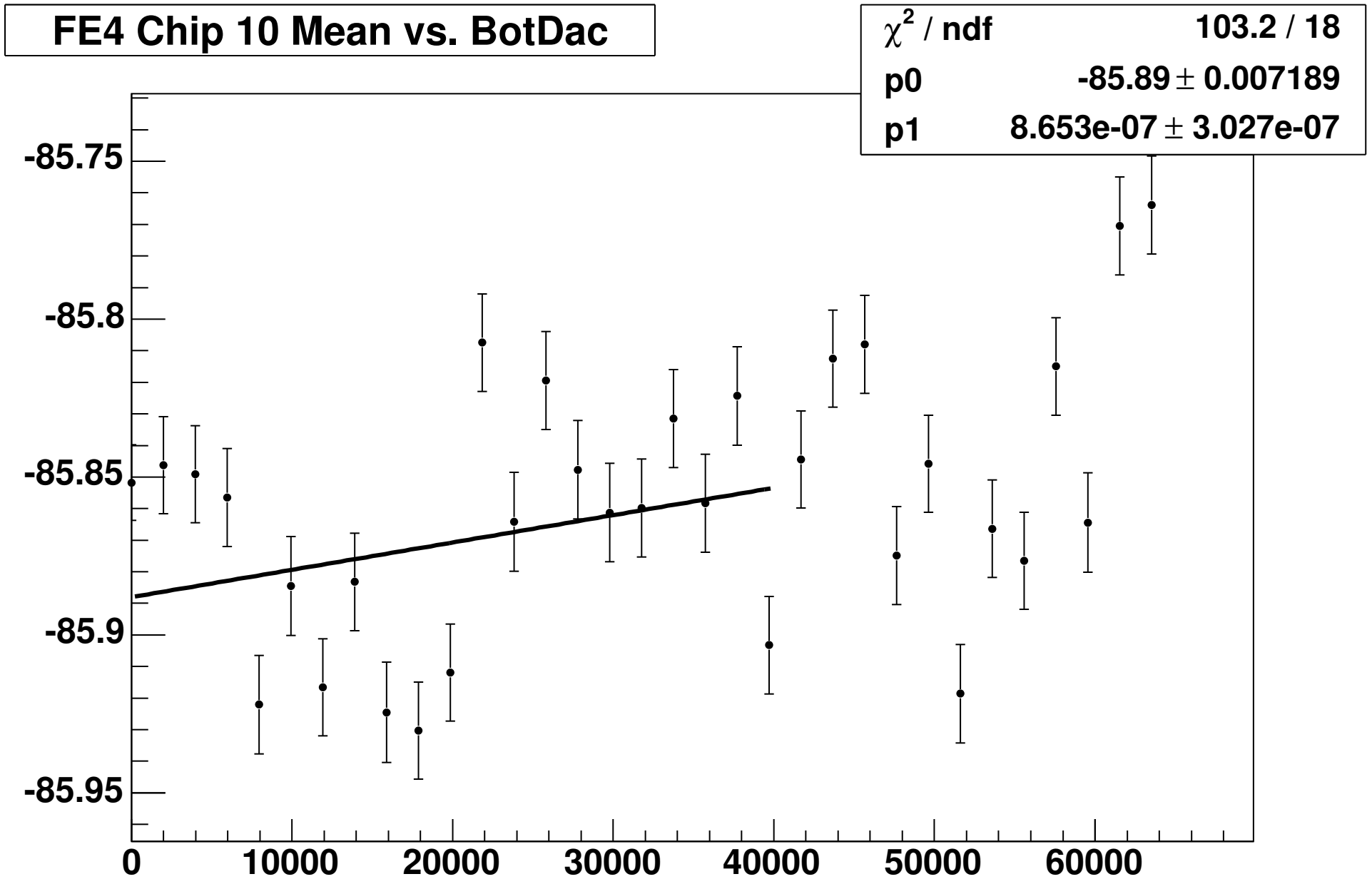

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 400.9 / 18
p0 1.355 ± 0.003941
p1 3.439e-05 ± 2.792e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 58.24 / 18
p0 -74.04 ± 0.007213
p1 1.794e-06 ± 3.039e-07
-73.85
-73.9
-73.95
-74
-74.05
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 15.7 / 18
p0 1.459 ± 0.003756
p1 4.372e-06 ± 1.684e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 2.343e+04 / 18
p0 -75.23 ± 0.007352
p1 0.4527 ± 3.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 414.5 / 18
p0 1.375 ± 0.003982
p1 3.42e-05 ± 2.853e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 103.2 / 18
p0 -85.89 ± 0.007189
p1 8.653e-07 ± 3.027e-07
-85.75
-85.8
-85.85
-85.9
-85.95
0
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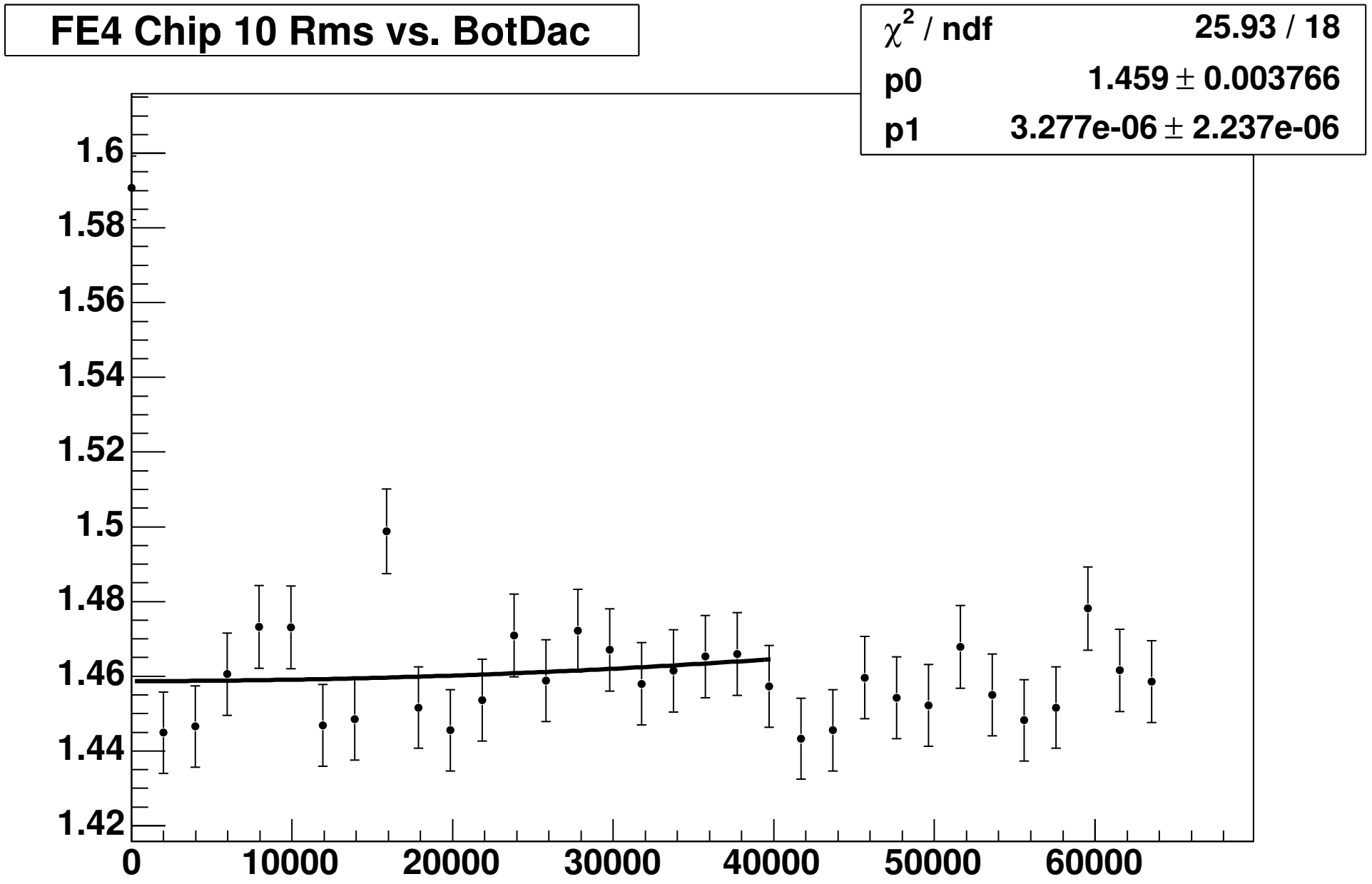
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 25.93 / 18
p0 1.459 ± 0.003766
p1 3.277e-06 ± 2.237e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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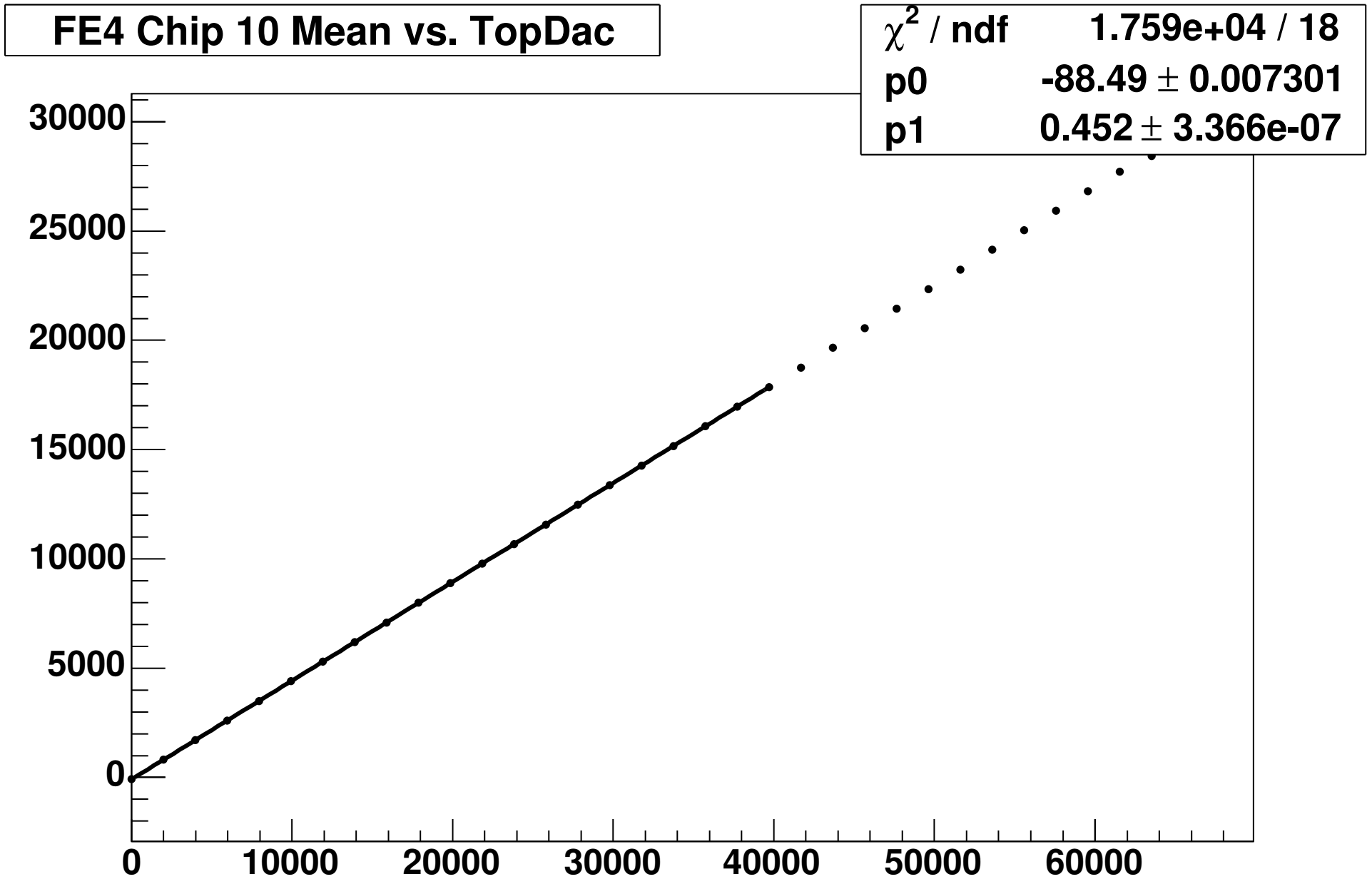
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.759e+04 / 18
p0 -88.49 ± 0.007301
p1 0.452 ± 3.366e-07
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25000
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15000
10000
5000
0
0
10000
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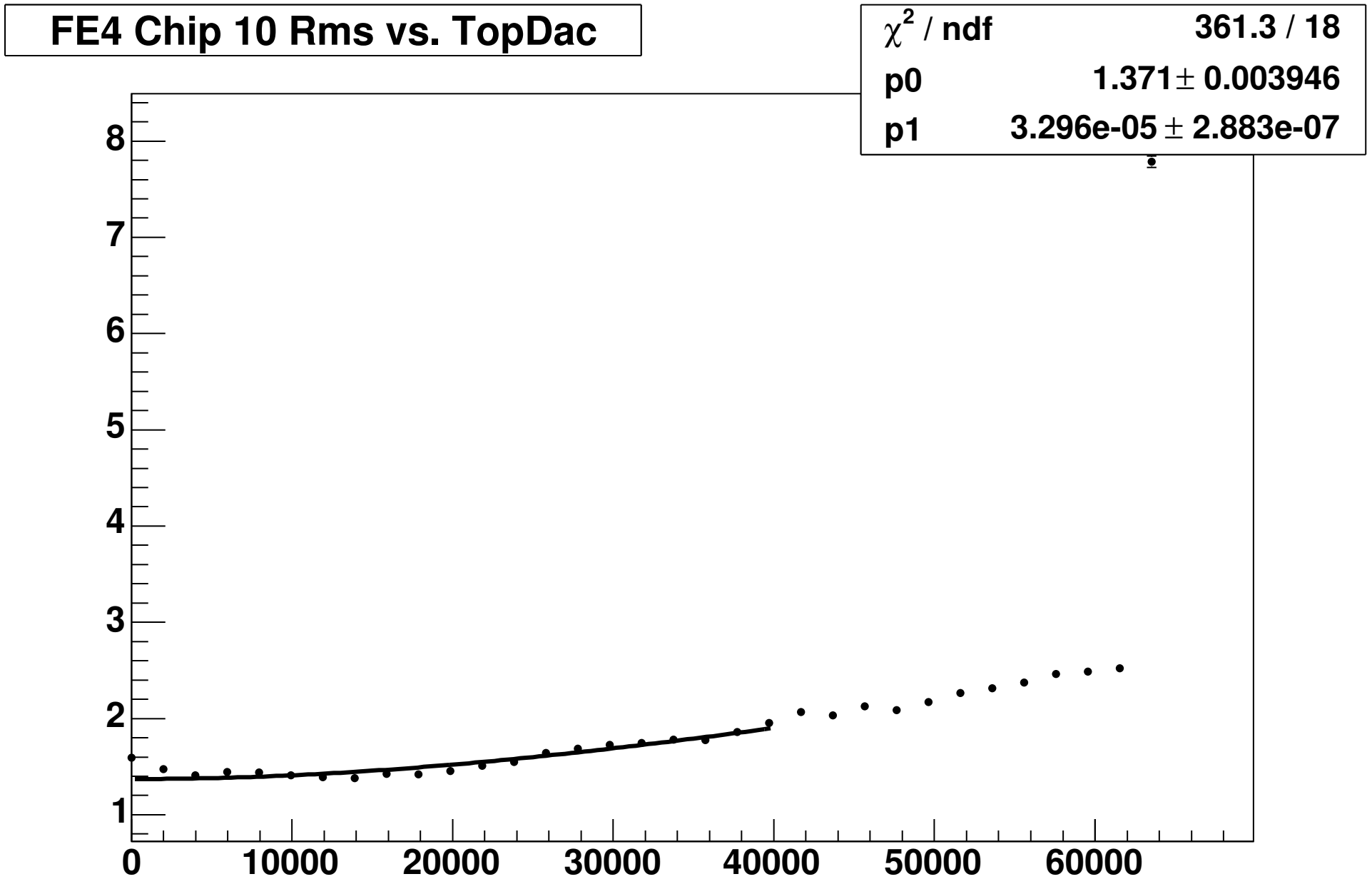
50000
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 361.3 / 18
p0 1.371 ± 0.003946
p1 3.296e-05 ± 2.883e-07
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6
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10000
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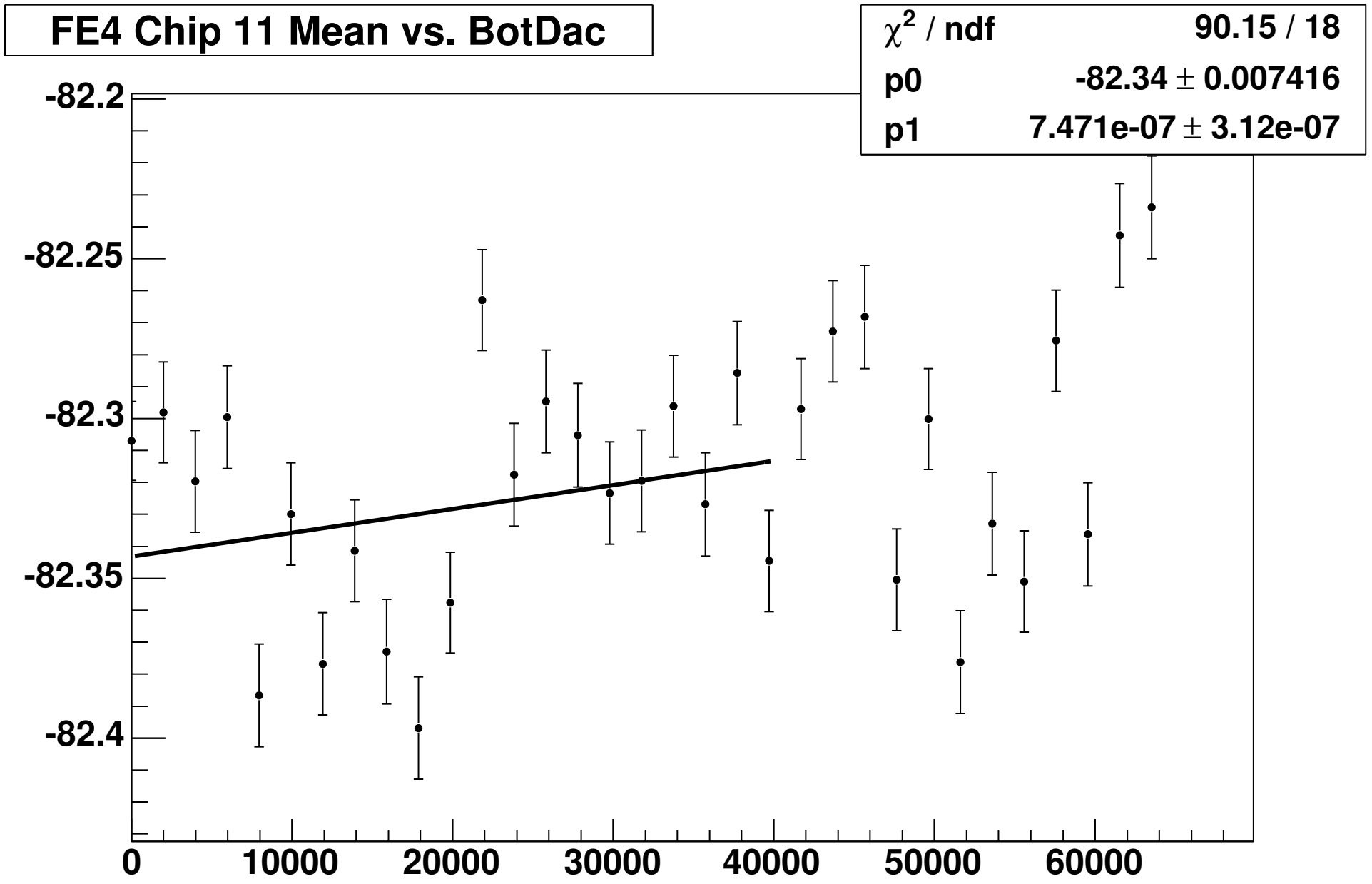
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 90.15 / 18
p0 -82.34 ± 0.007416
p1 7.471e-07 ± 3.12e-07
-82.2
-82.25
-82.3
-82.35
-82.4
0
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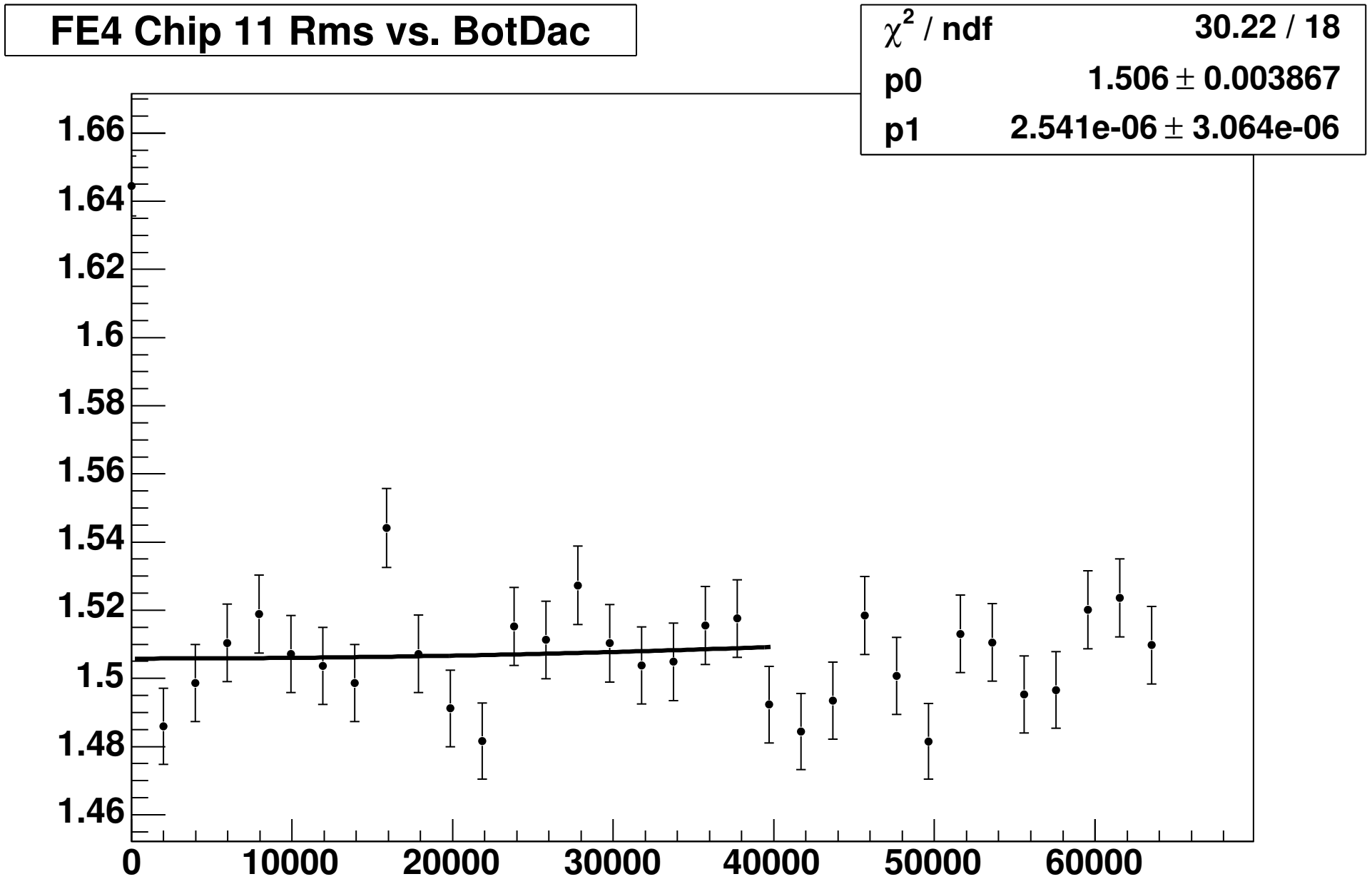
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 30.22 / 18
p0 1.506 ± 0.003867
p1 2.541e-06 ± 3.064e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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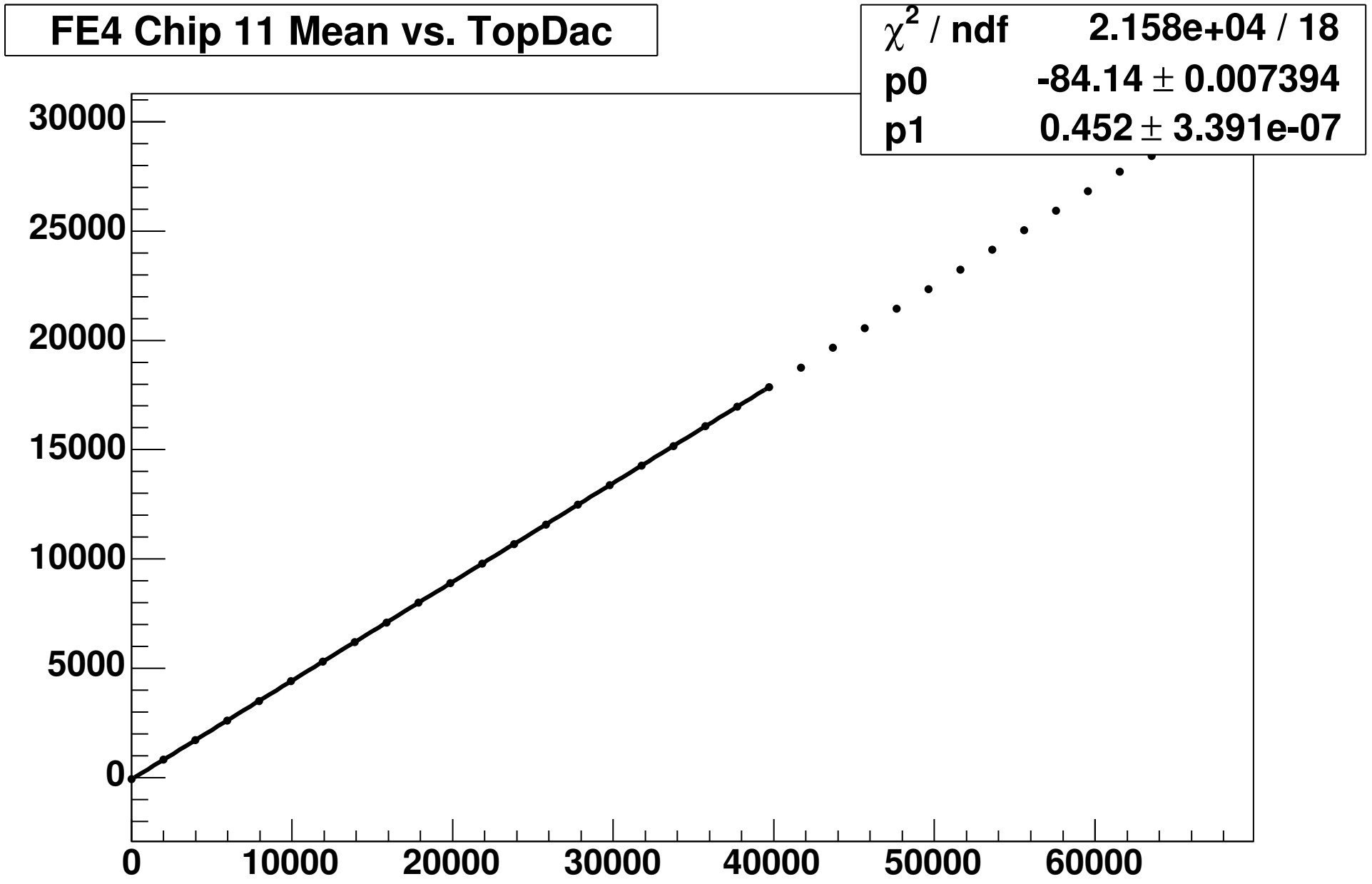
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 2.158e+04 / 18
p0 -84.14 ± 0.007394
p1 0.452 ± 3.391e-07
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10000
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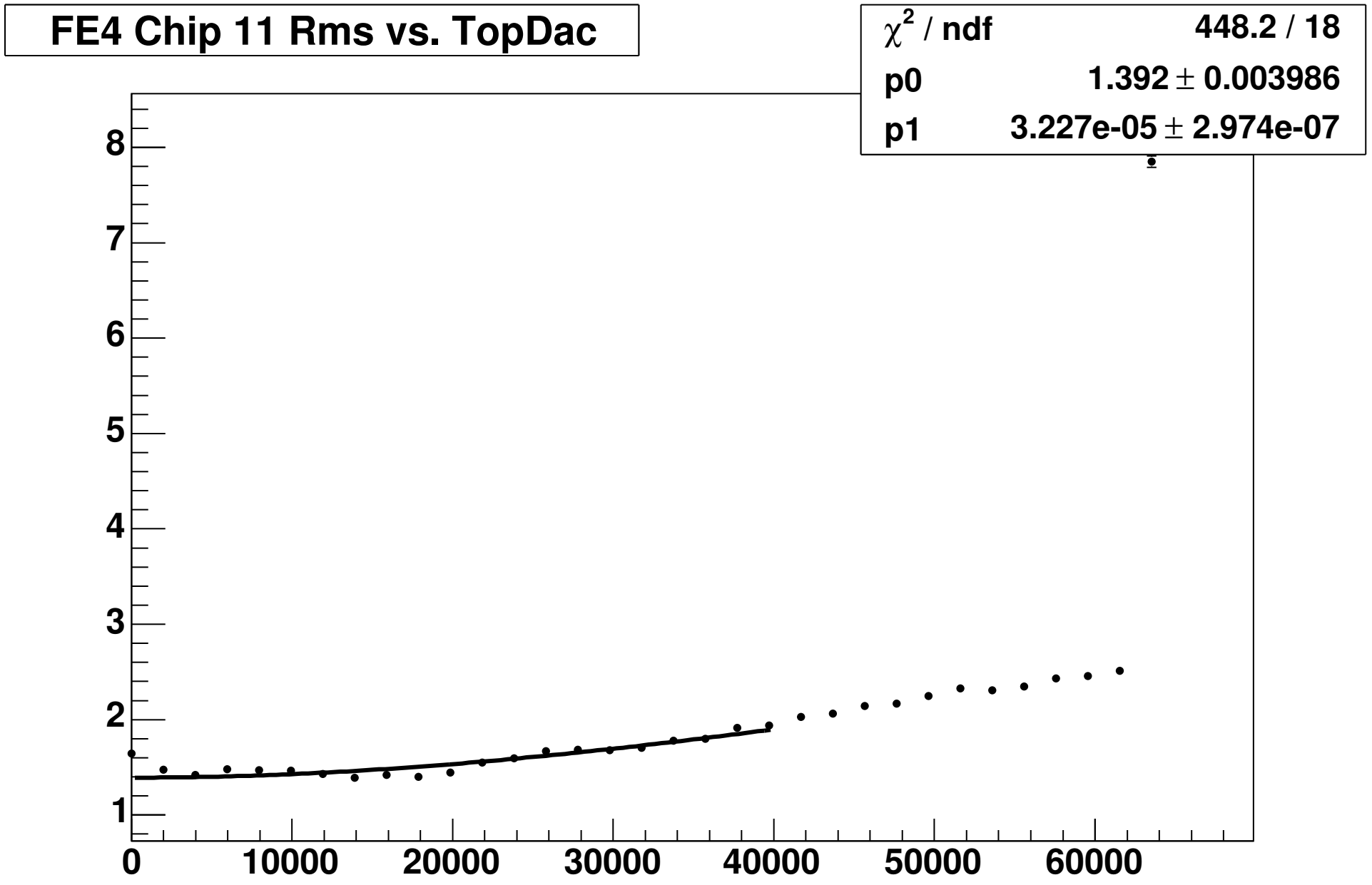
30000
40000
50000
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 448.2 / 18
p0 1.392 ± 0.003986
p1 3.227e-05 ± 2.974e-07
8
7
6
5
4
3
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1
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10000
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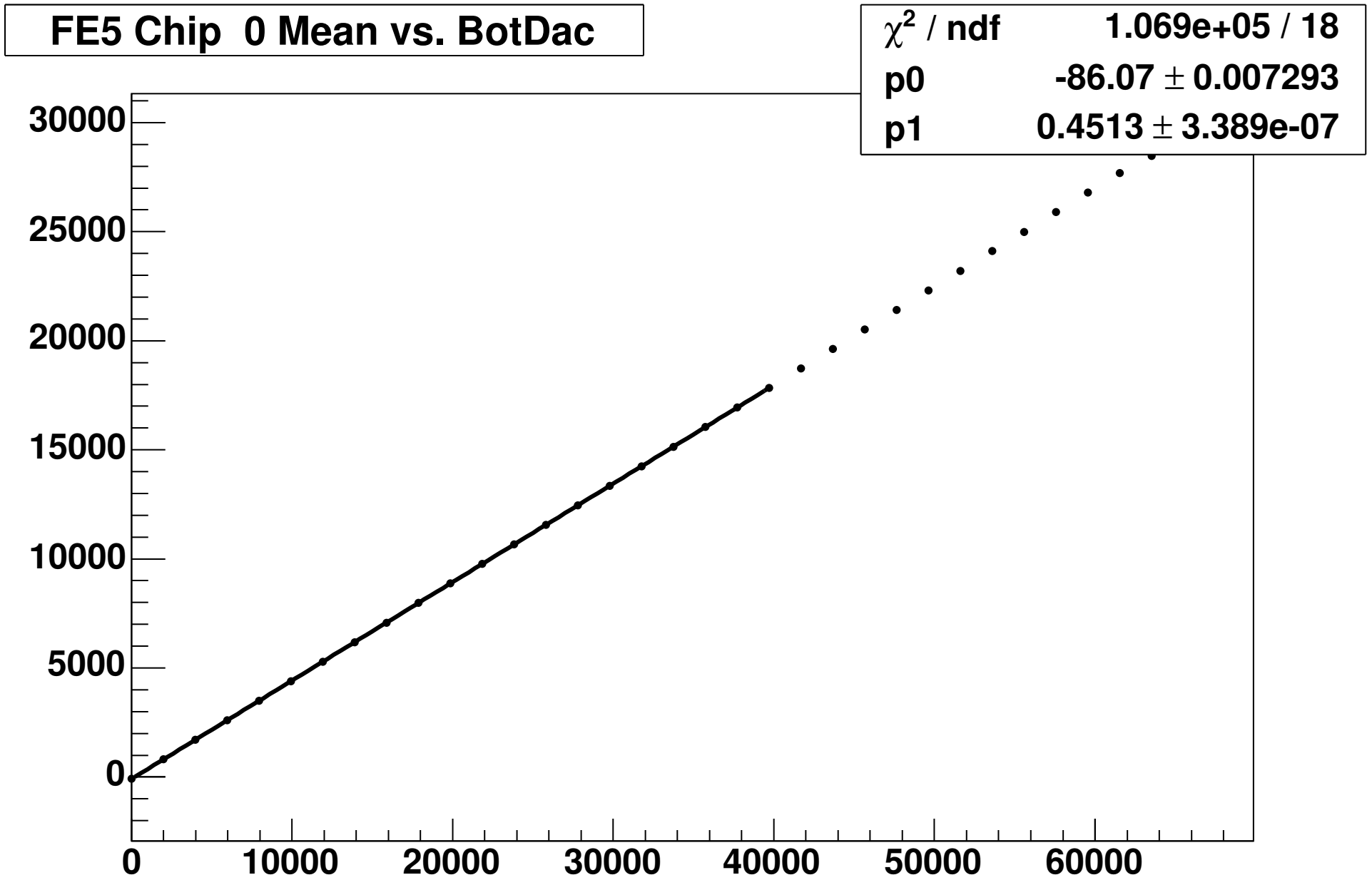
FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.069e+05 / 18
p0 -86.07 ± 0.007293
p1 0.4513 ± 3.389e-07
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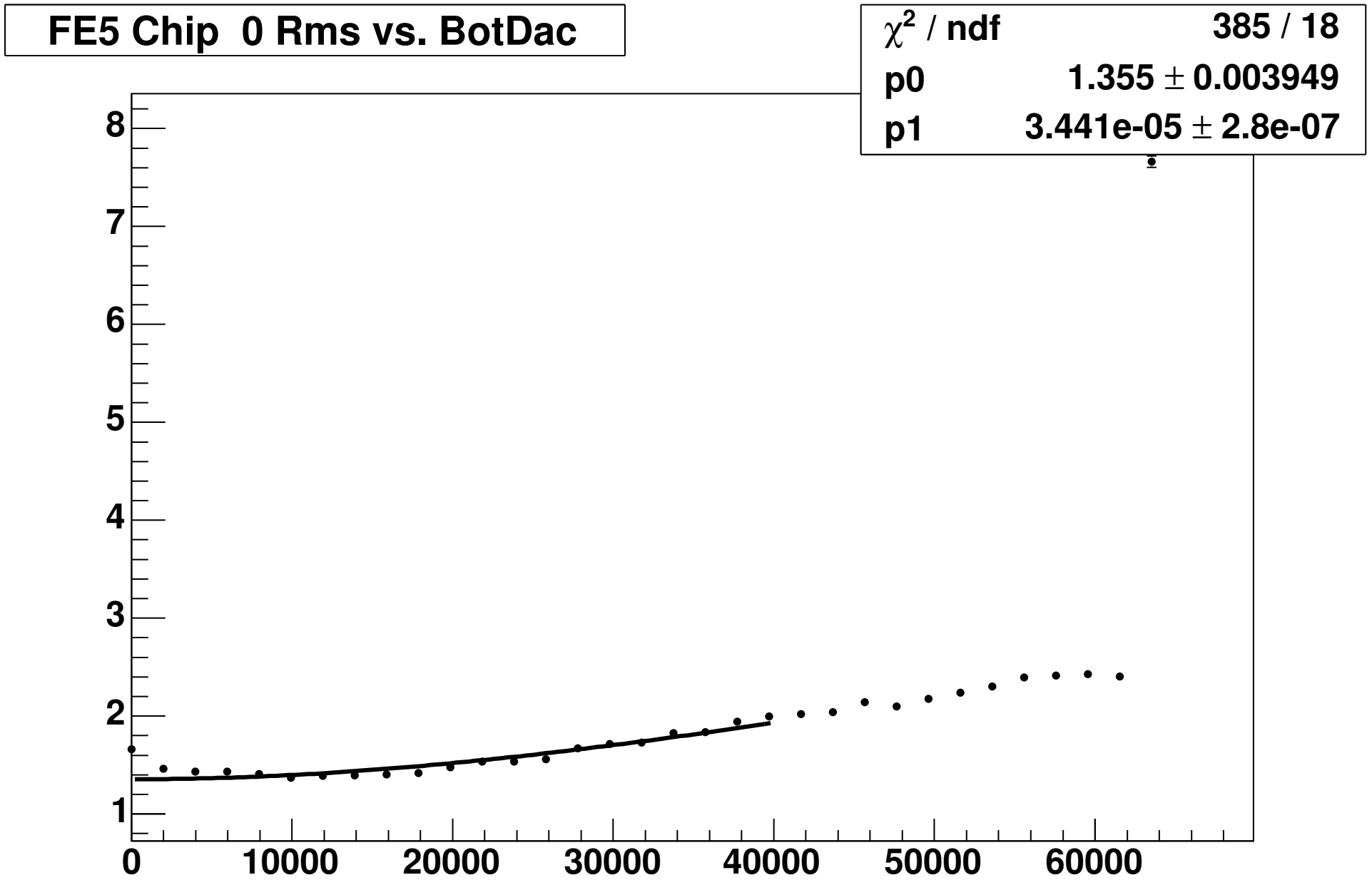
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 385 / 18
p0 1.355 ± 0.003949
p1 3.441e-05 ± 2.8e-07
8
7
6
5
4
3
2
1
0
10000
20000
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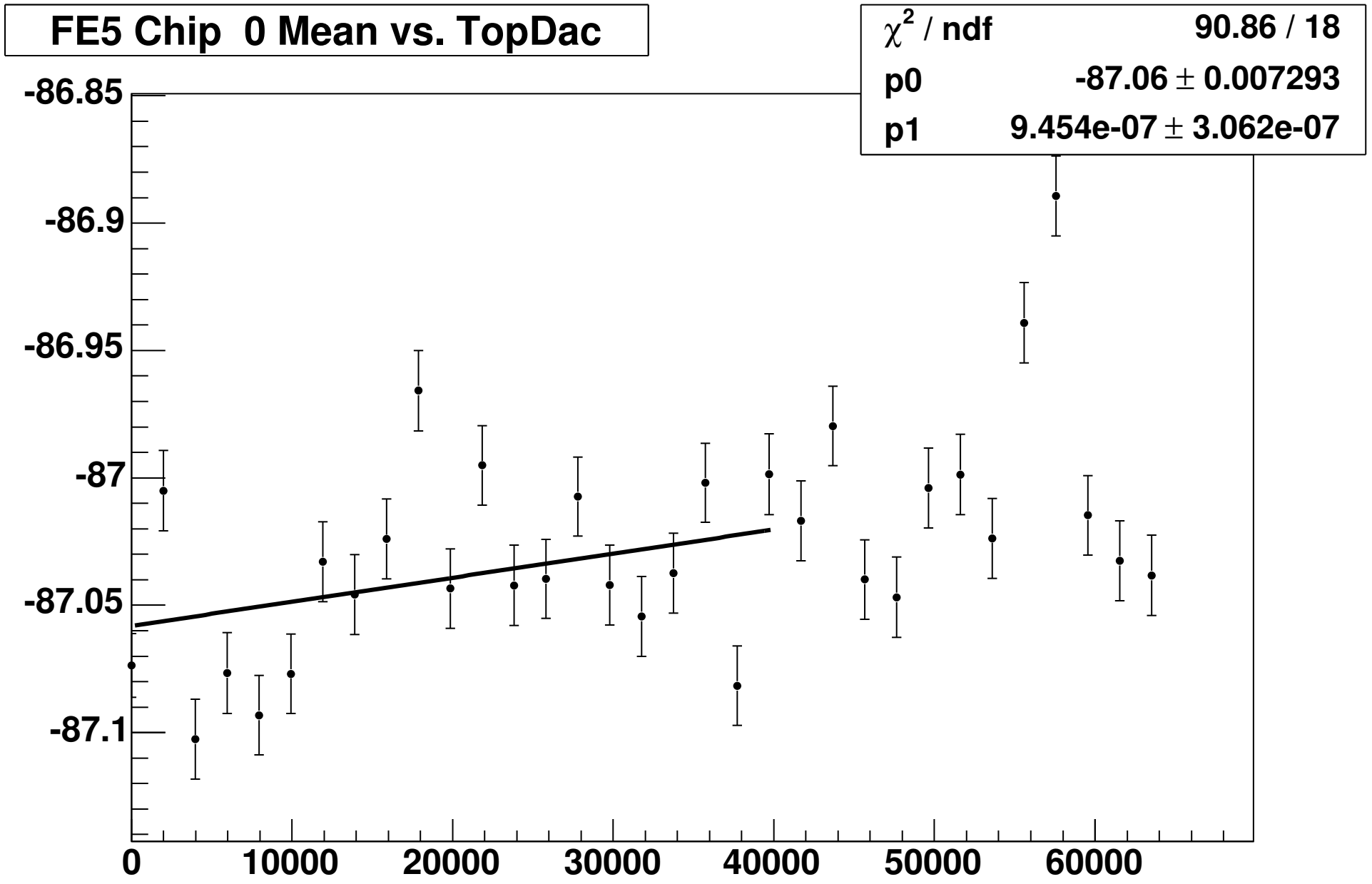
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 90.86 / 18
p0 -87.06 ± 0.007293
p1 9.454e-07 ± 3.062e-07
-86.85
-86.9
-86.95
-87
-87.05
-87.1
0
10000
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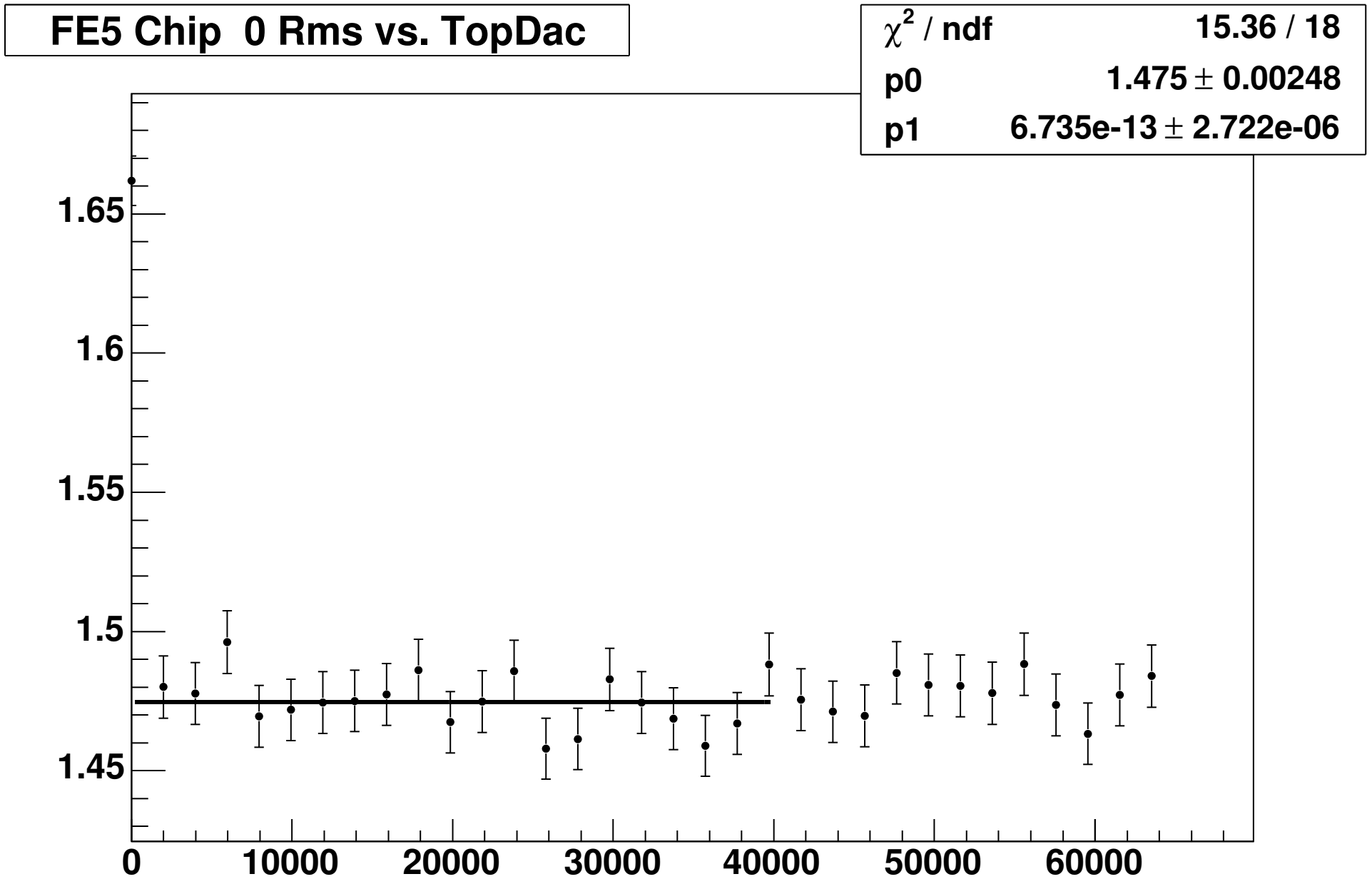
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 15.36 / 18
p0 1.475 ± 0.00248
p1 6.735e-13 ± 2.722e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
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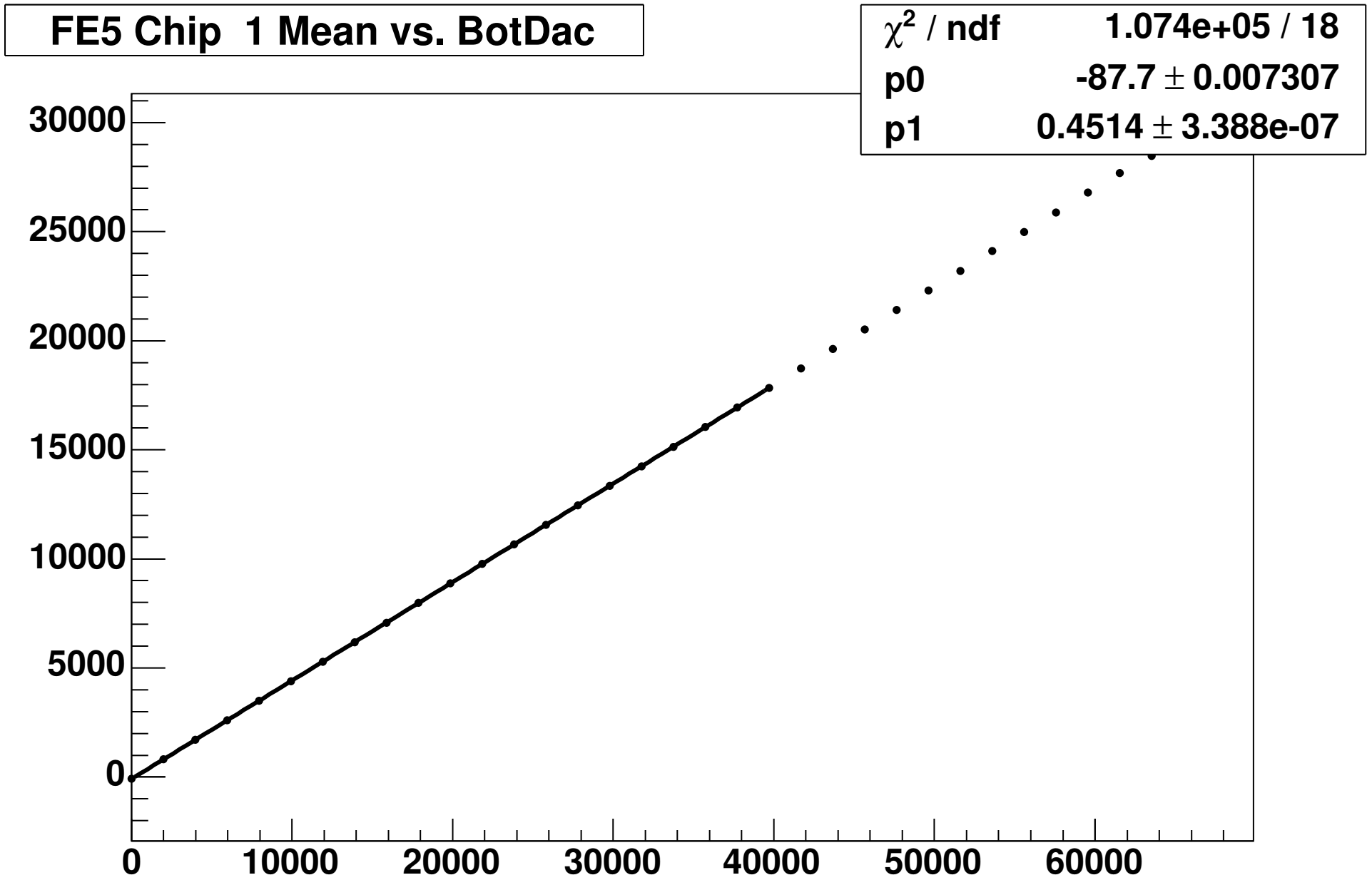
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.074e+05 / 18
p0 -87.7 ± 0.007307
p1 0.4514 ± 3.388e-07
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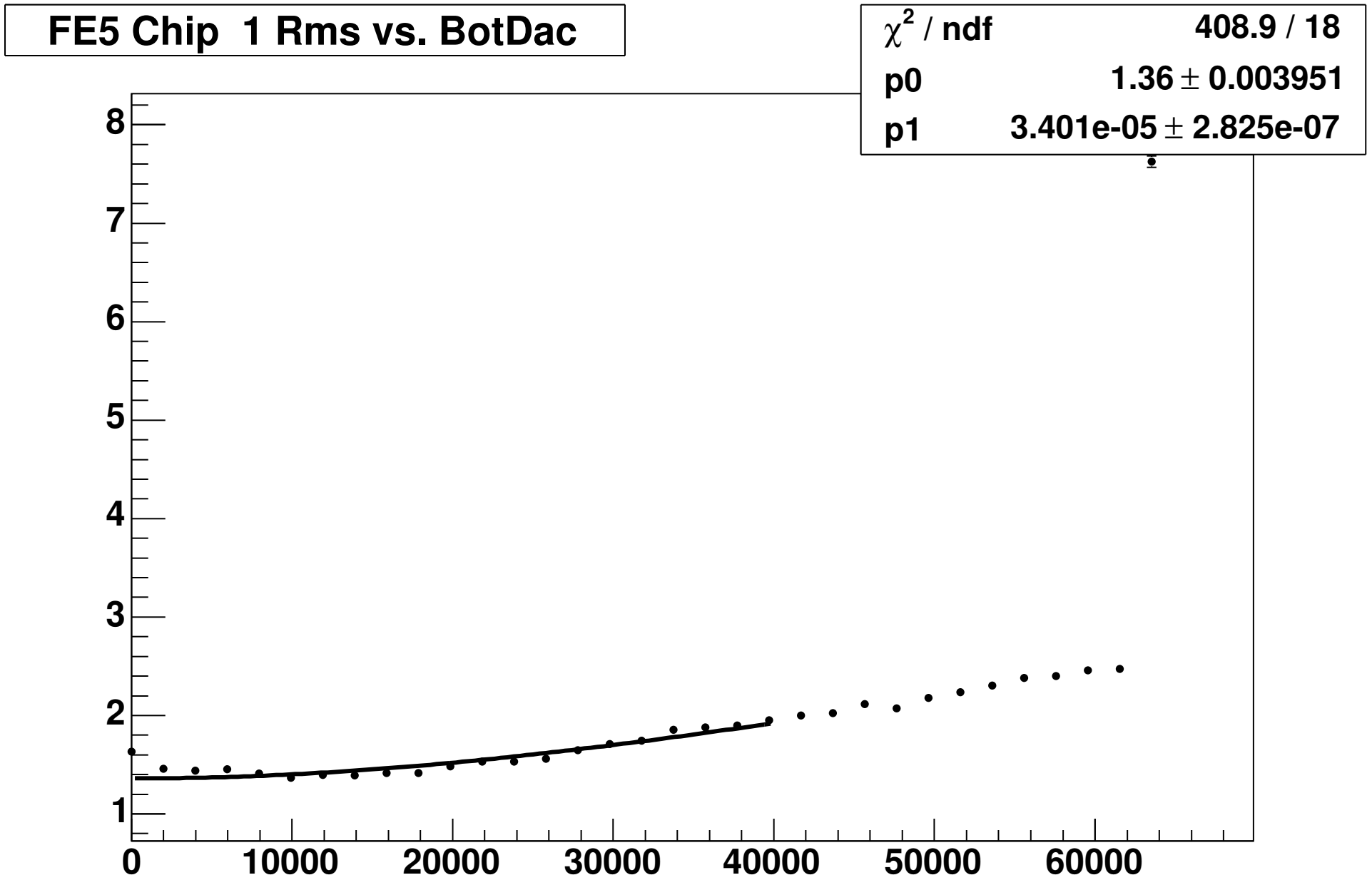
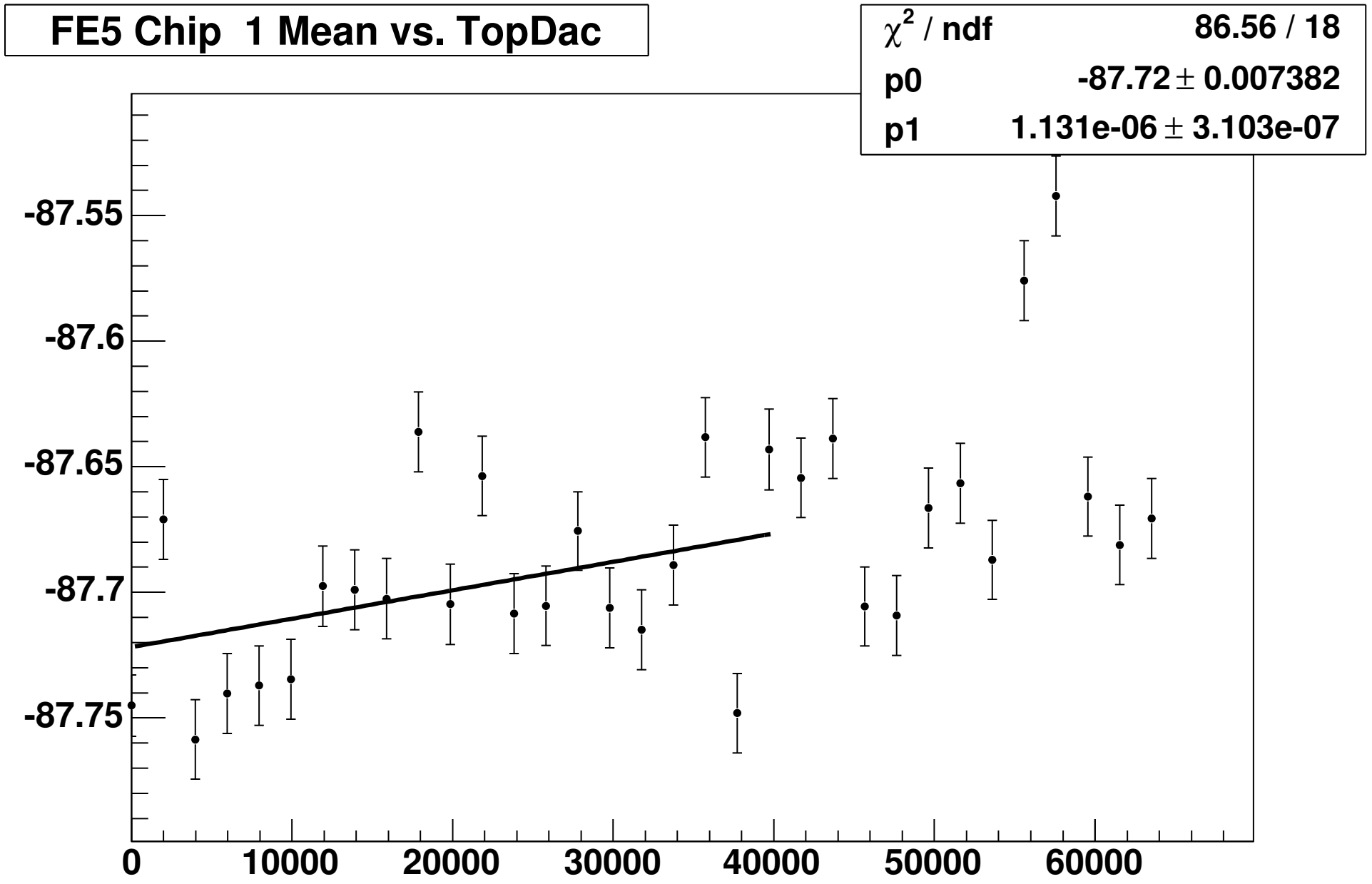
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 408.9 / 18
p0 1.36 ± 0.003951
p1 3.401e-05 ± 2.825e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Mean vs. TopDac
χ^2 / ndf 86.56 / 18
p0 -87.72 ± 0.007382
p1 1.131e-06 ± 3.103e-07
-87.55
-87.6
-87.65
-87.7
-87.75
0
10000
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40000
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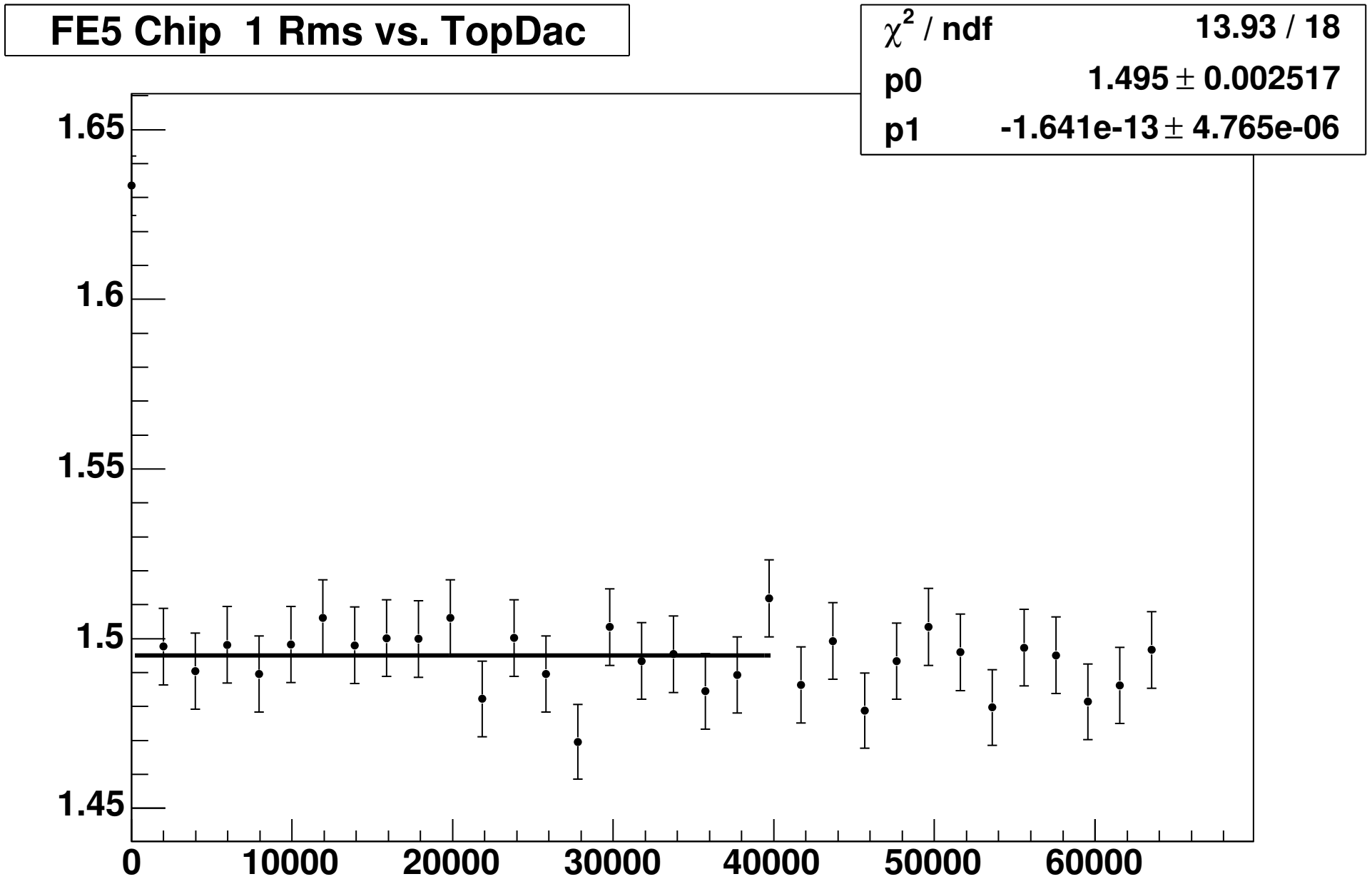
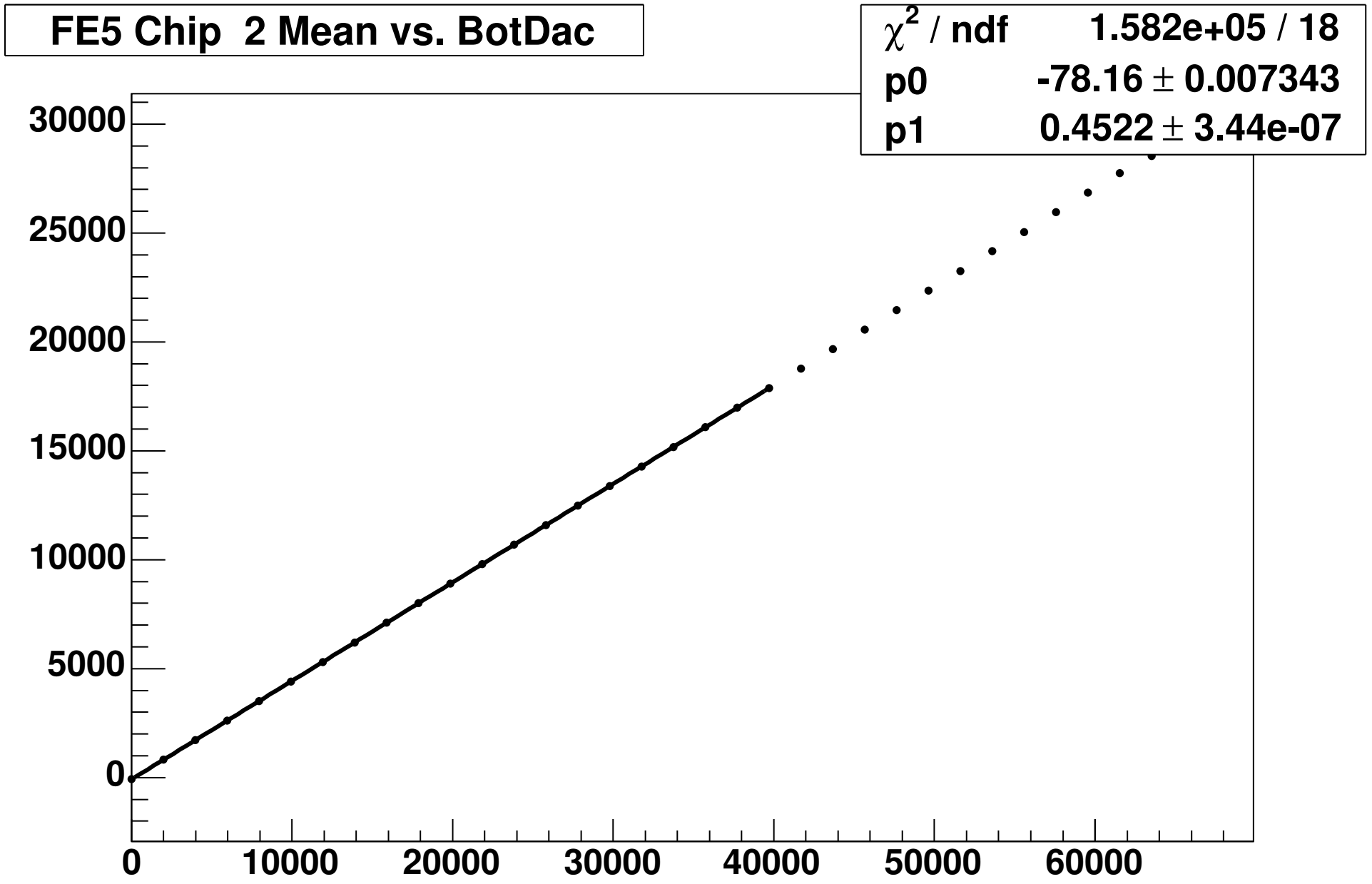

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 13.93 / 18
p0 1.495 ± 0.002517
p1 -1.641e-13 ± 4.765e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.582e+05 / 18
p0 -78.16 ± 0.007343
p1 0.4522 ± 3.44e-07
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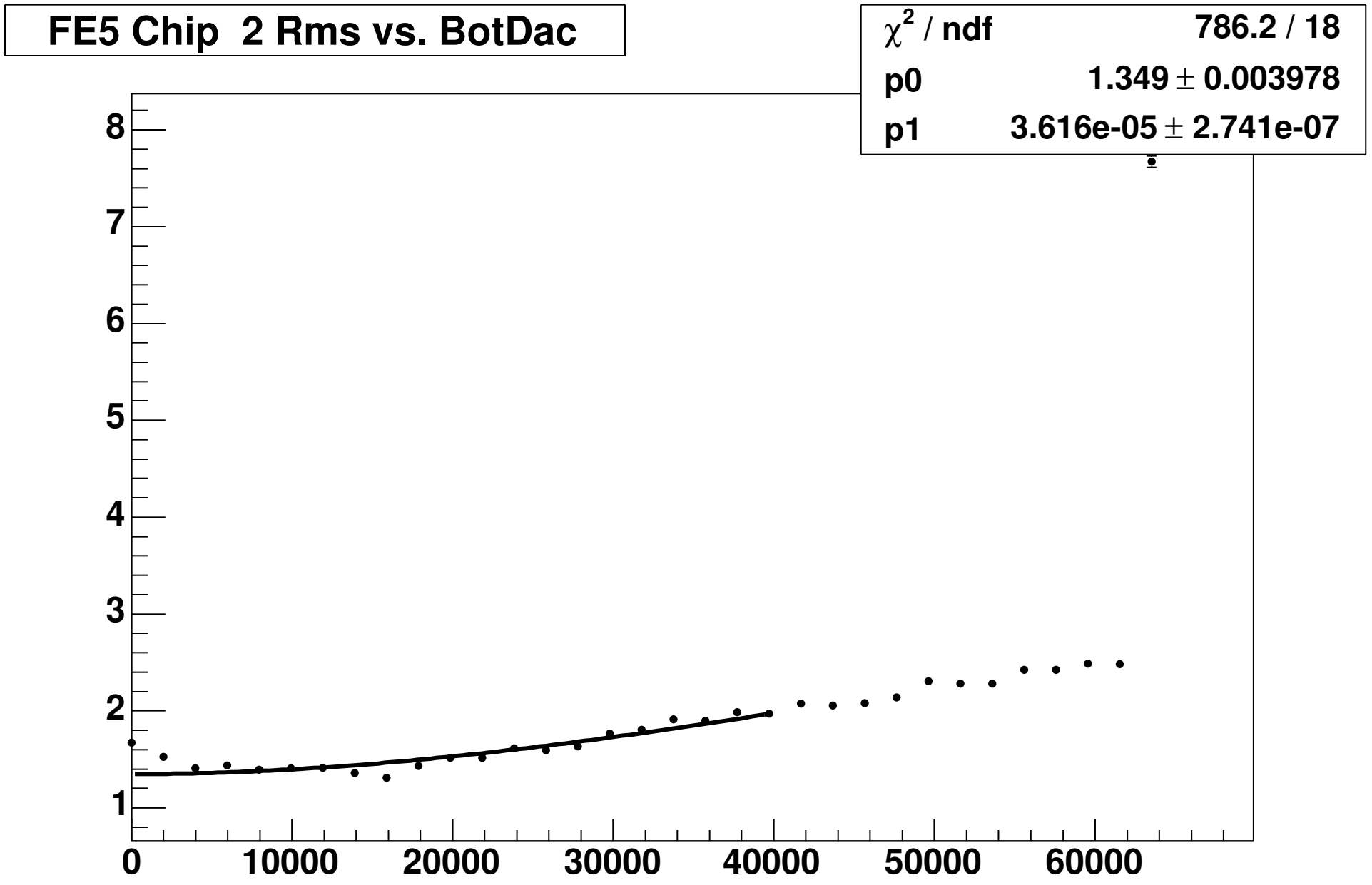
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 786.2 / 18
p0 1.349 ± 0.003978
p1 3.616e-05 ± 2.741e-07
8
7
6
5
4
3
2
1
0
10000
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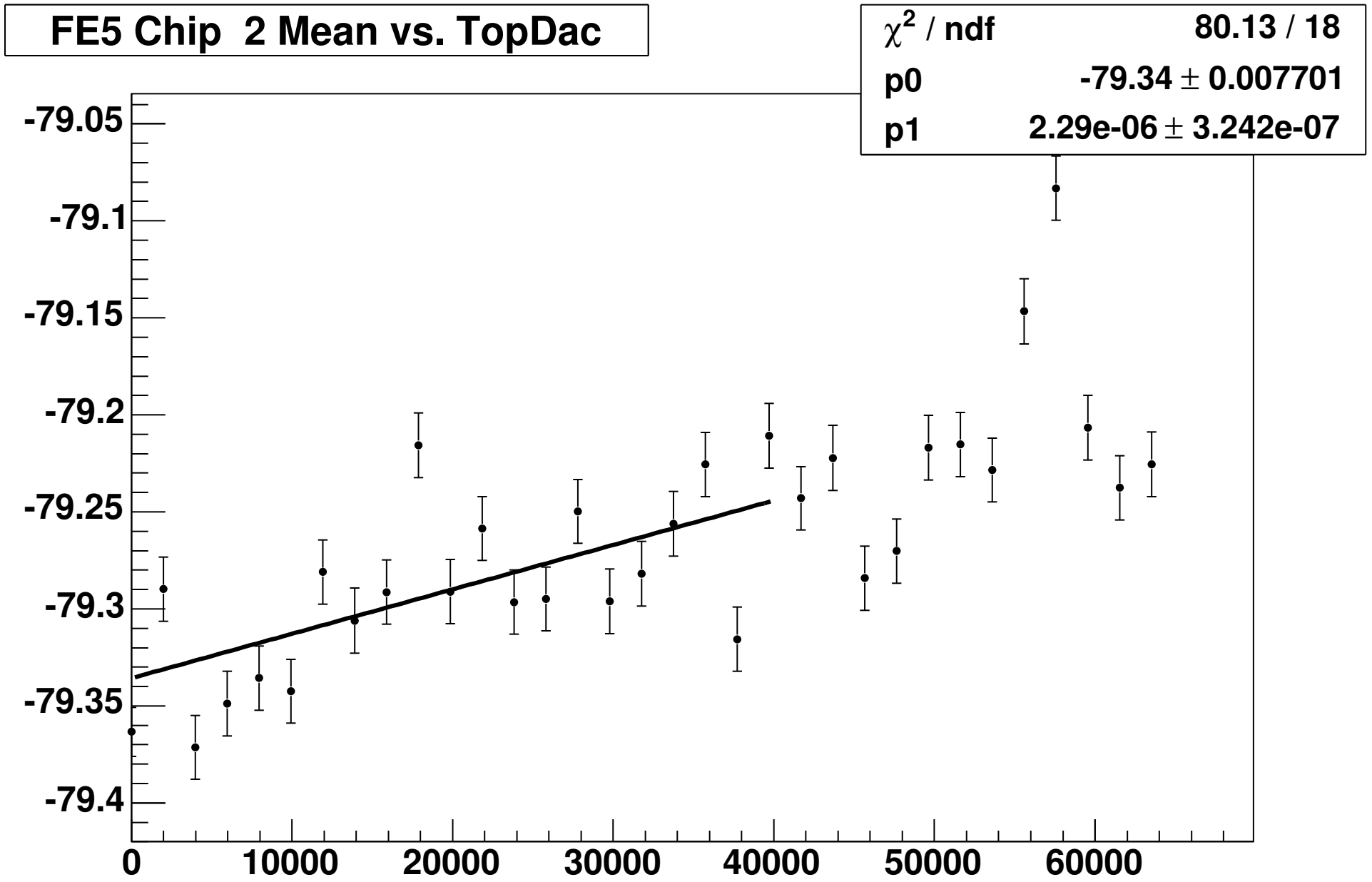
30000
40000
50000
60000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 80.13 / 18
p0 -79.34 ± 0.007701
p1 2.29e-06 ± 3.242e-07
-79.05
-79.1
-79.15
-79.2
-79.25
-79.3
-79.35
-79.4
0
10000
20000
30000
40000
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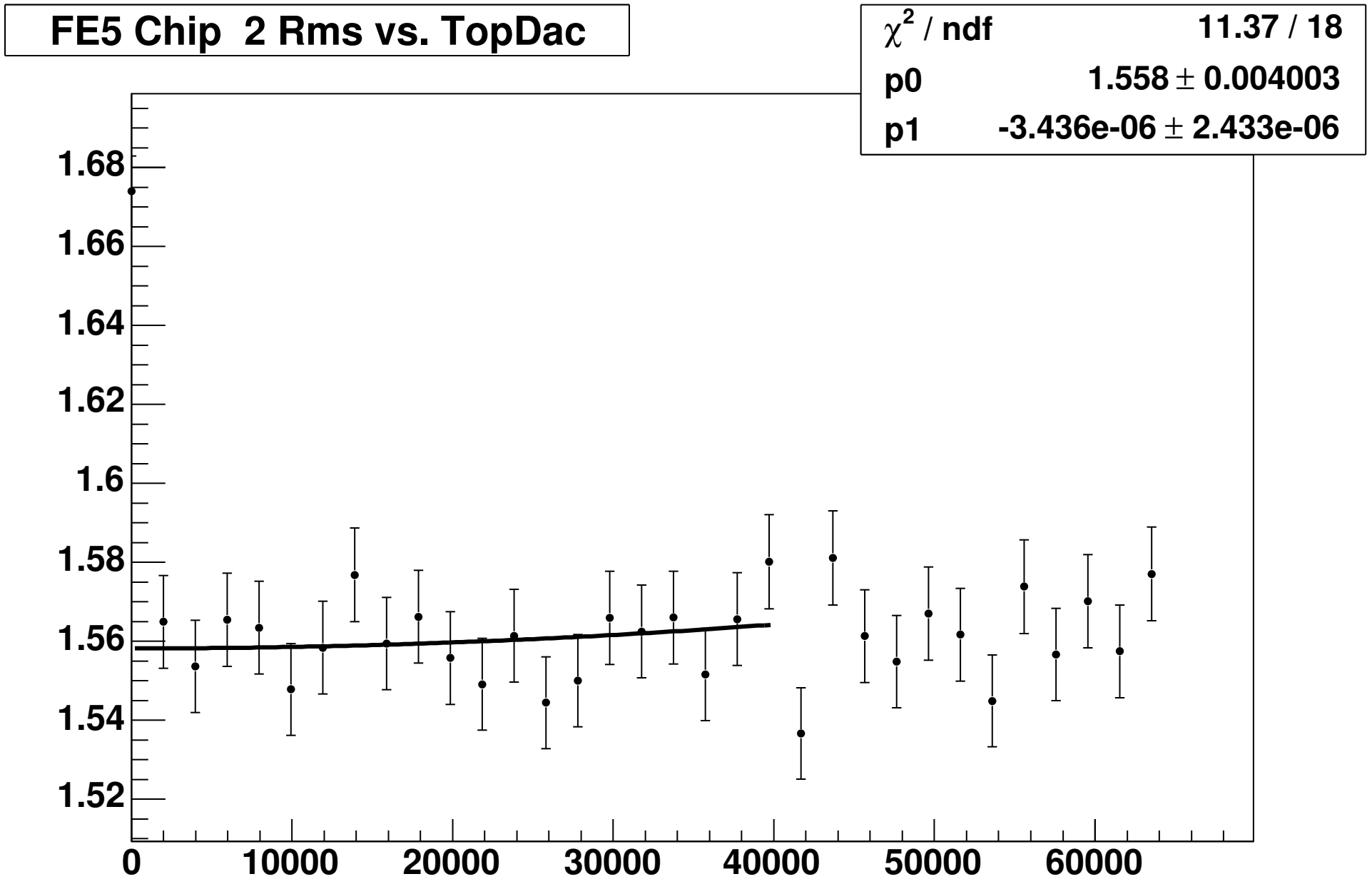
60000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 11.37 / 18
p0 1.558 ± 0.004003
p1 -3.436e-06 ± 2.433e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
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40000
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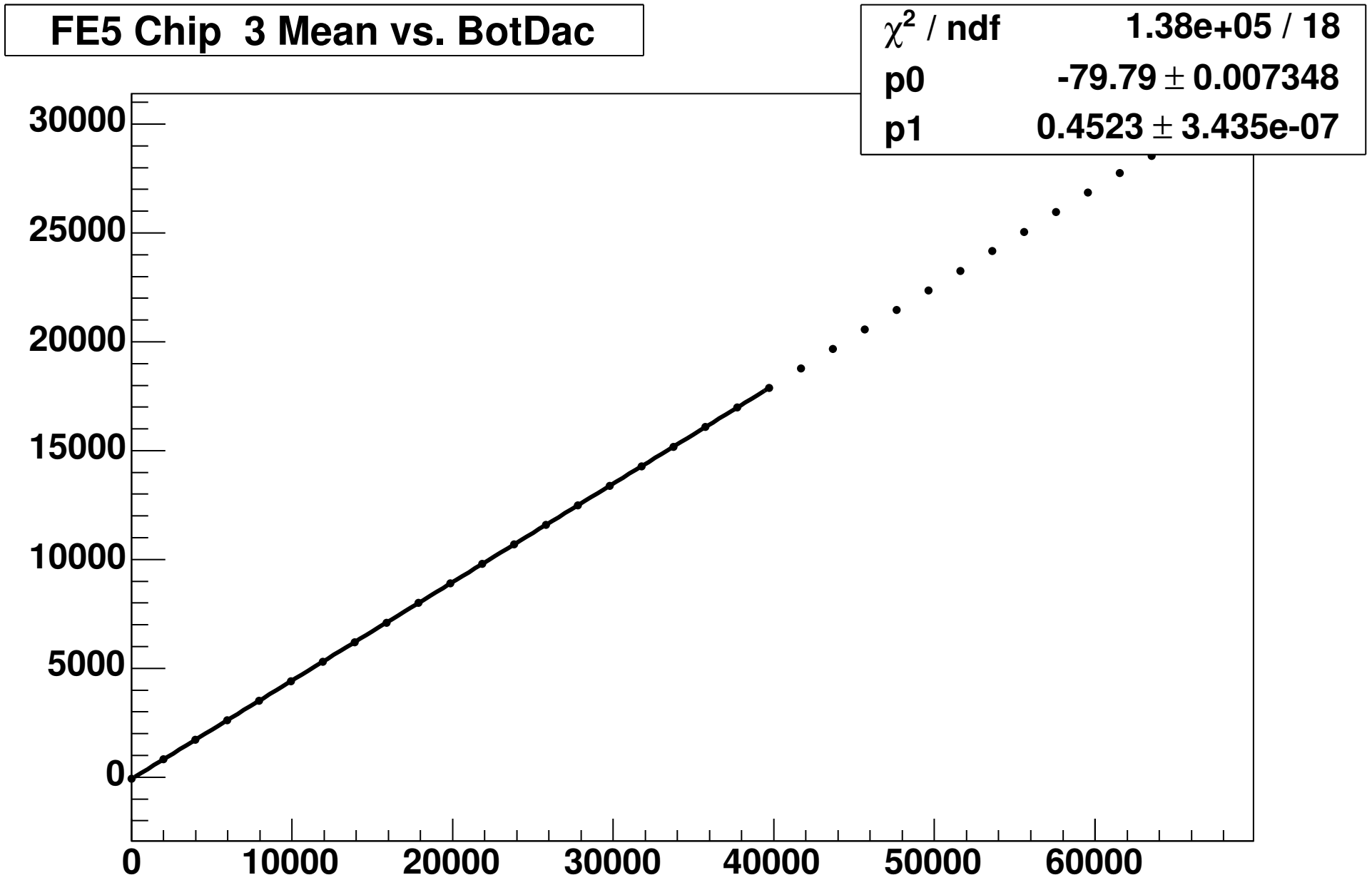
60000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.38e+05 / 18
p0 -79.79 ± 0.007348
p1 0.4523 ± 3.435e-07
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25000
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15000
10000
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0
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10000
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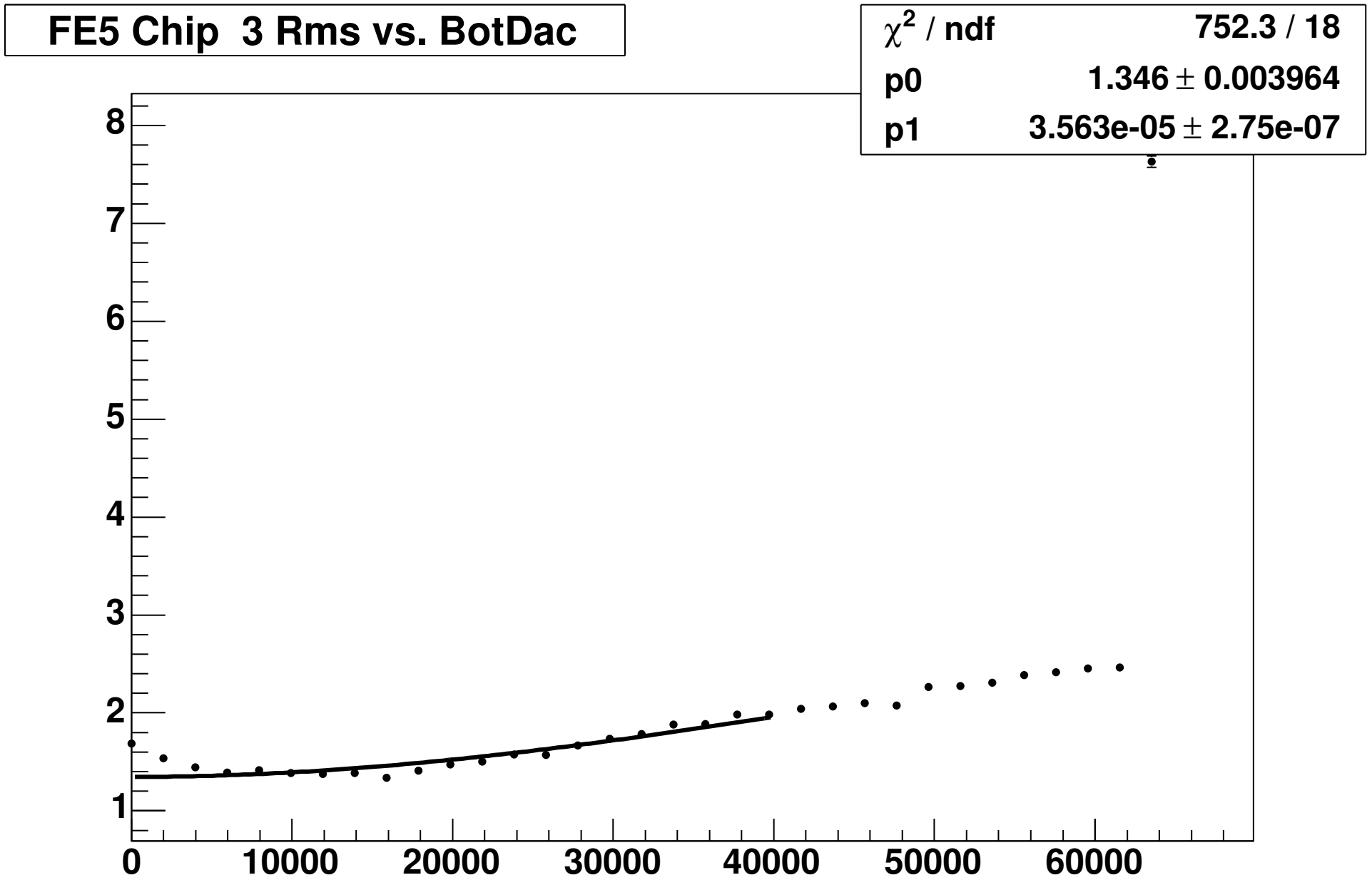
30000
40000
50000
60000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 752.3 / 18
p0 1.346 ± 0.003964
p1 3.563e-05 ± 2.75e-07
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7
6
5
4
3
2
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10000
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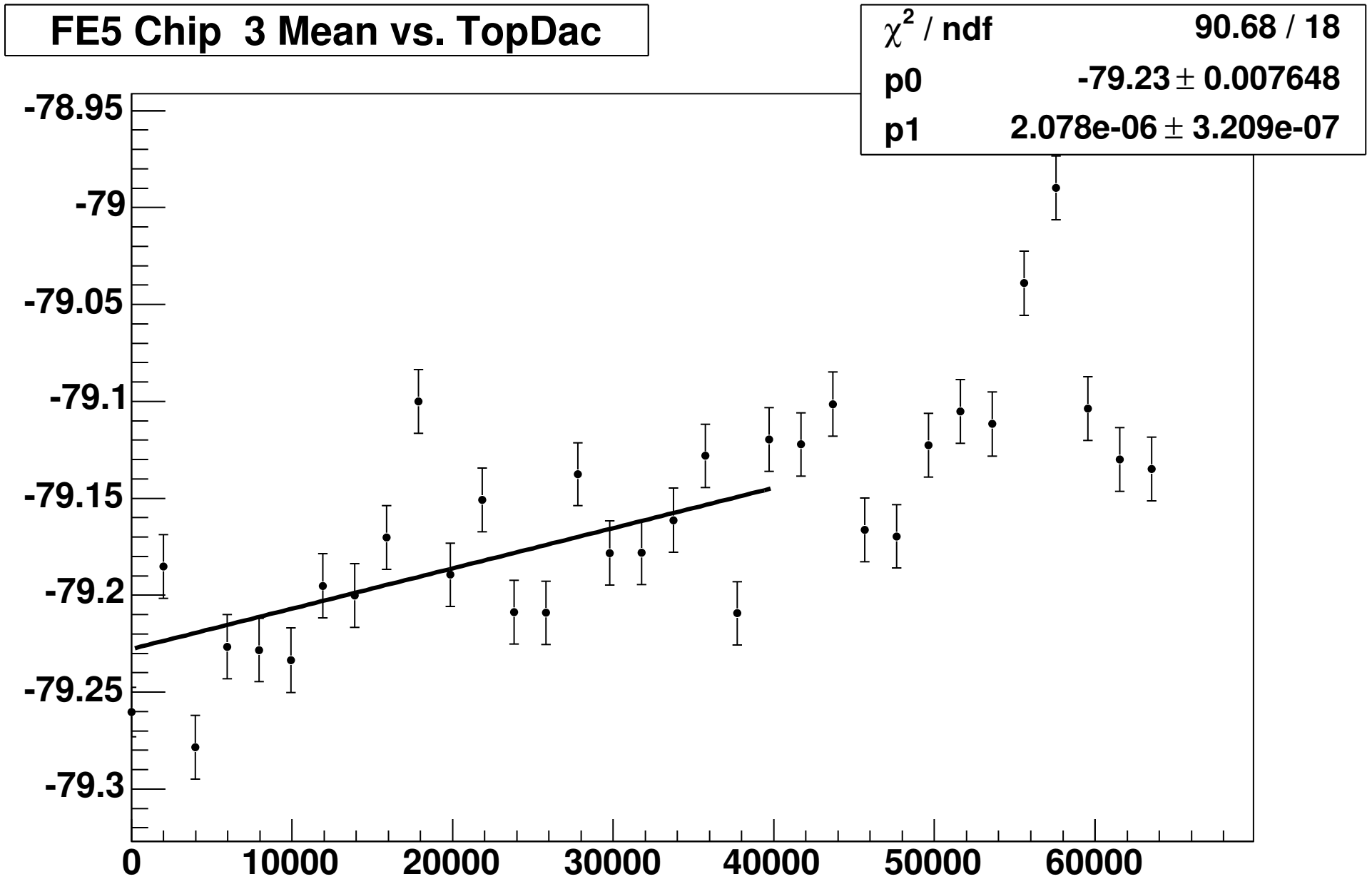
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 90.68 / 18
p0 -79.23 ± 0.007648
p1 2.078e-06 ± 3.209e-07
-78.95
-79
-79.05
-79.1
-79.15
-79.2
-79.25
-79.3
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10000
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30000
40000
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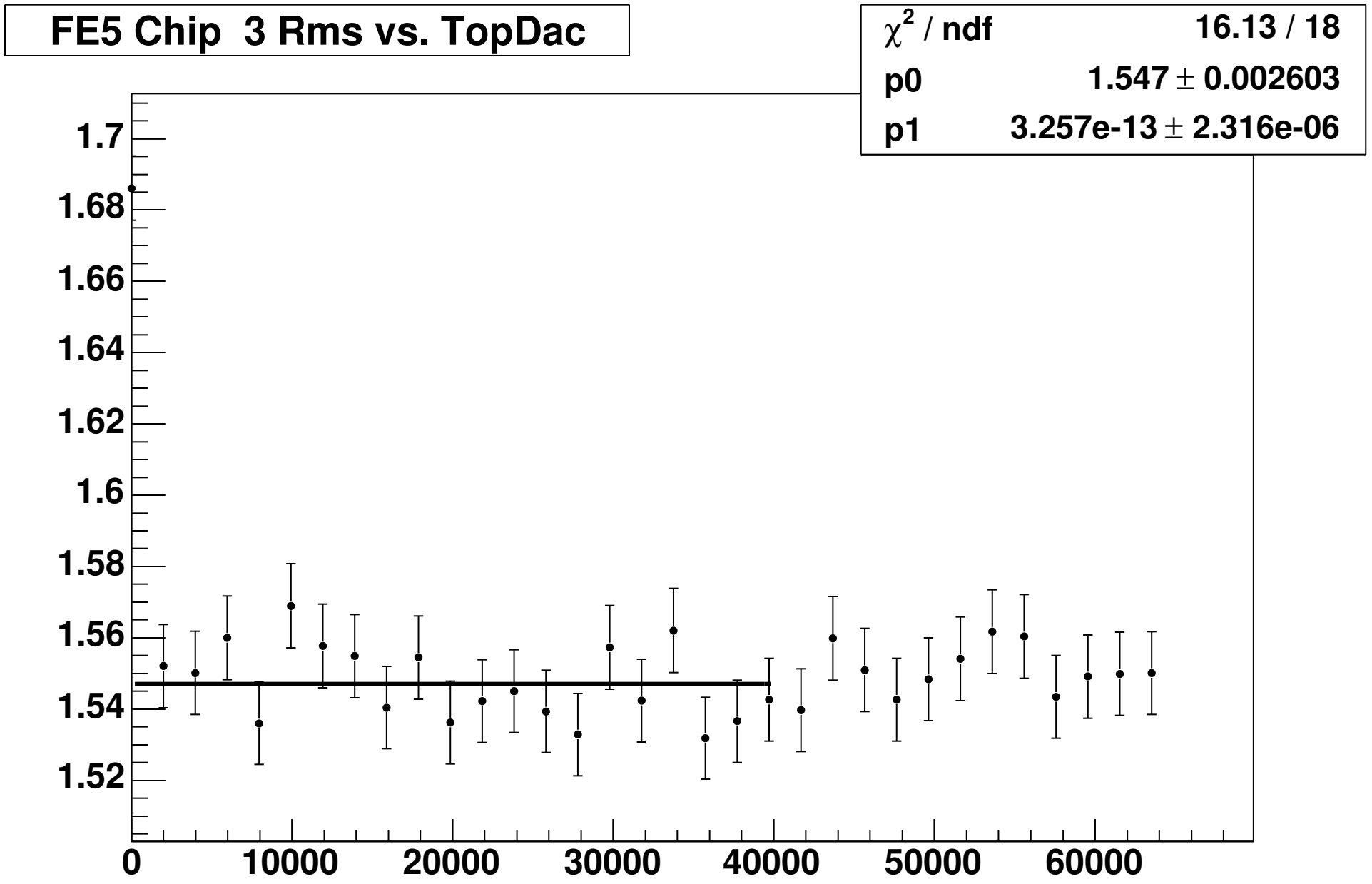
60000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 16.13 / 18
p0 1.547 ± 0.002603
p1 3.257e-13 ± 2.316e-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
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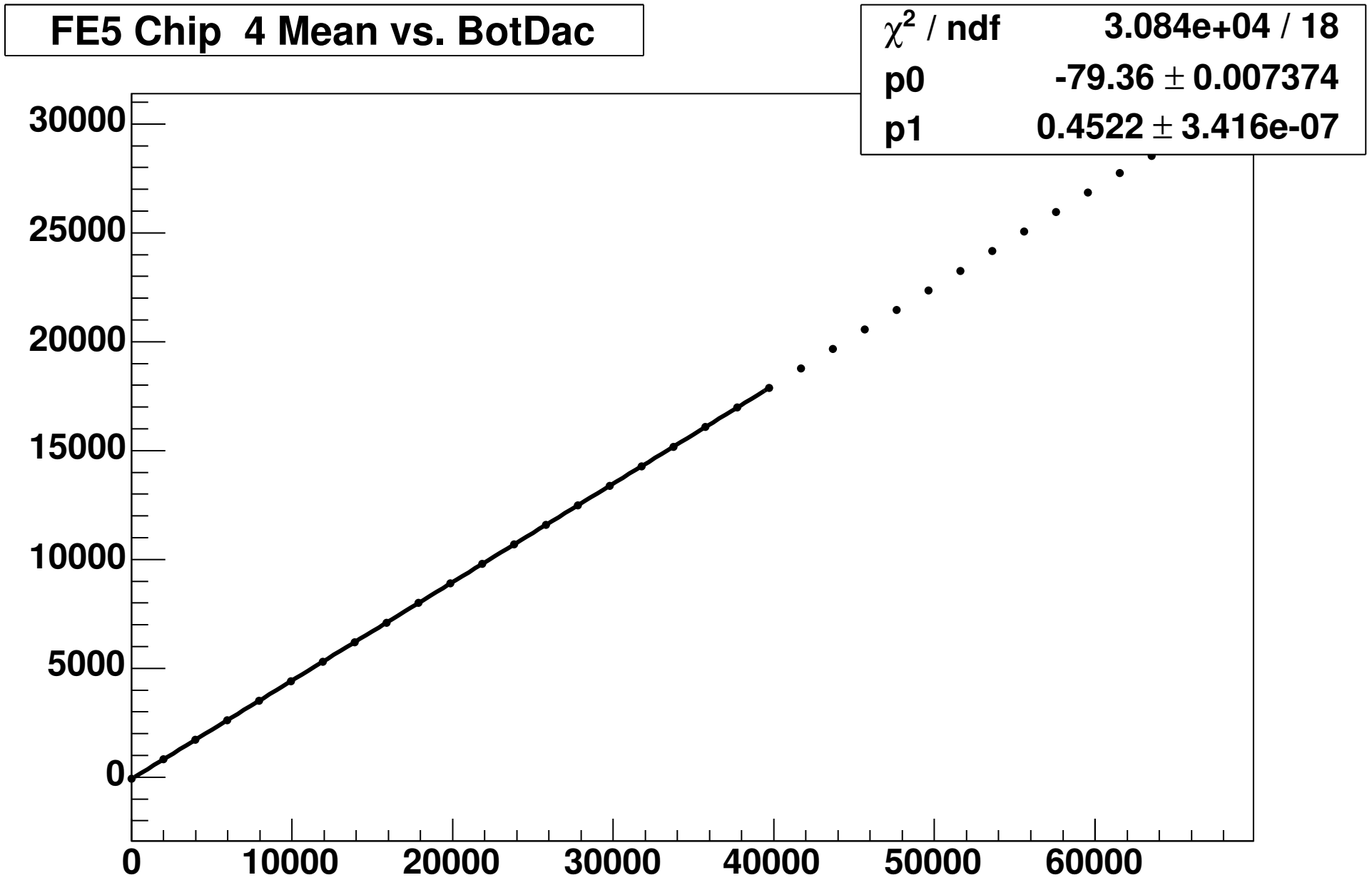
60000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 3.084e+04 / 18
p0 -79.36 ± 0.007374
p1 0.4522 ± 3.416e-07
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25000
20000
15000
10000
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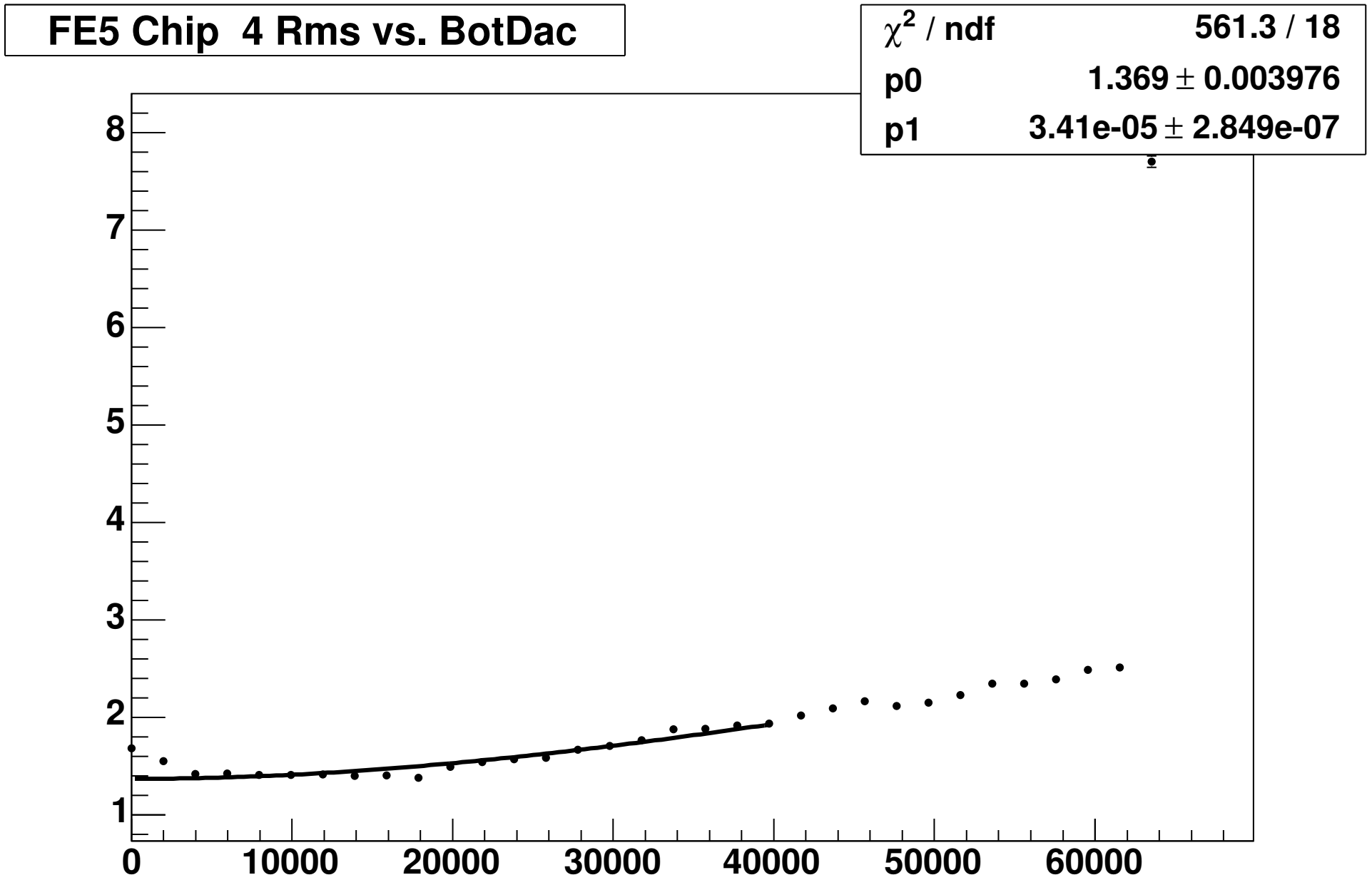
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 561.3 / 18
p0 1.369 ± 0.003976
p1 3.41e-05 ± 2.849e-07
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7
6
5
4
3
2
1
0
10000
20000
30000
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50000
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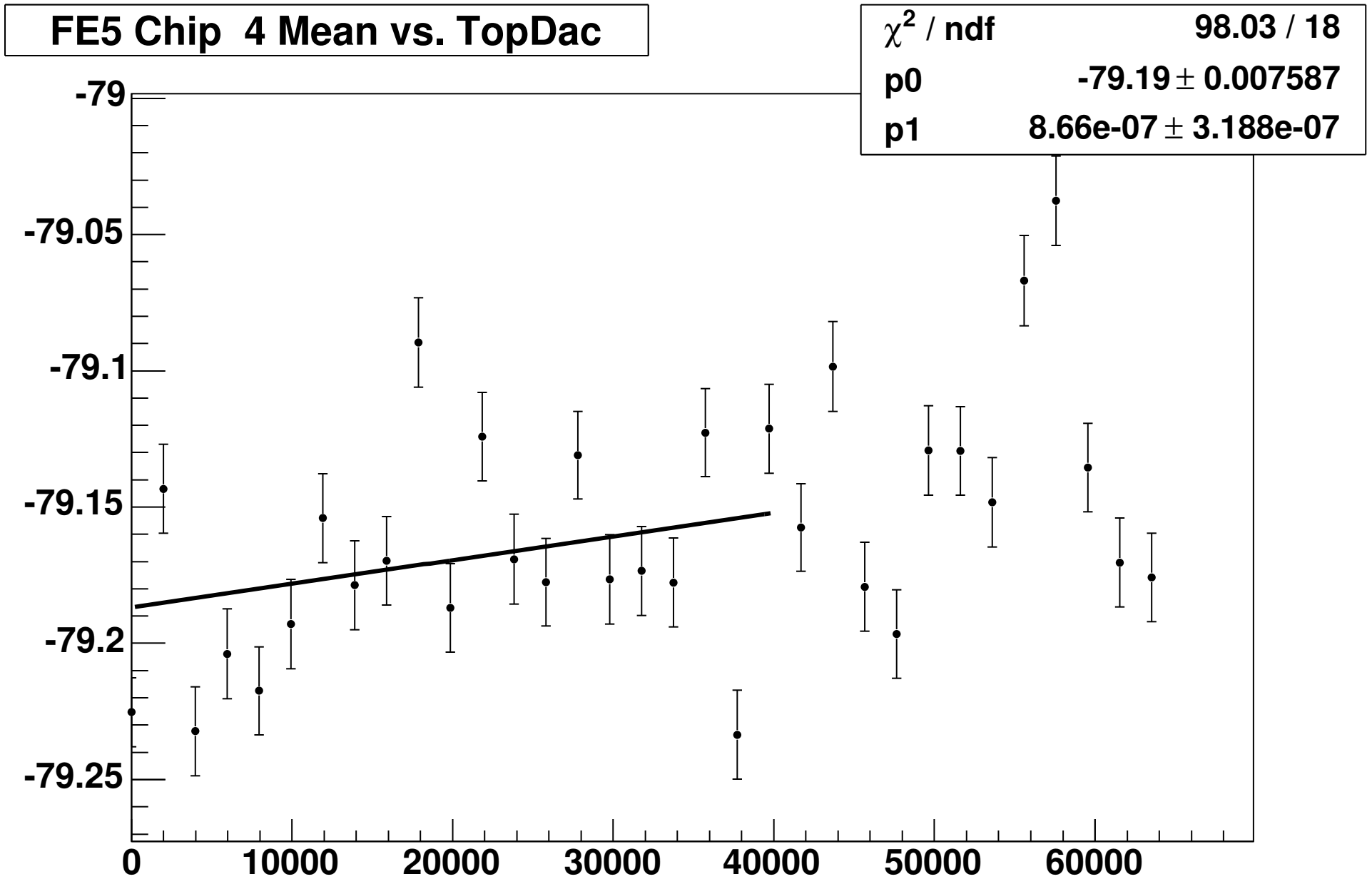
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 98.03 / 18
p0 -79.19 ± 0.007587
p1 8.66e-07 ± 3.188e-07
-79
-79.05
-79.1
-79.15
-79.2
-79.25
0
10000
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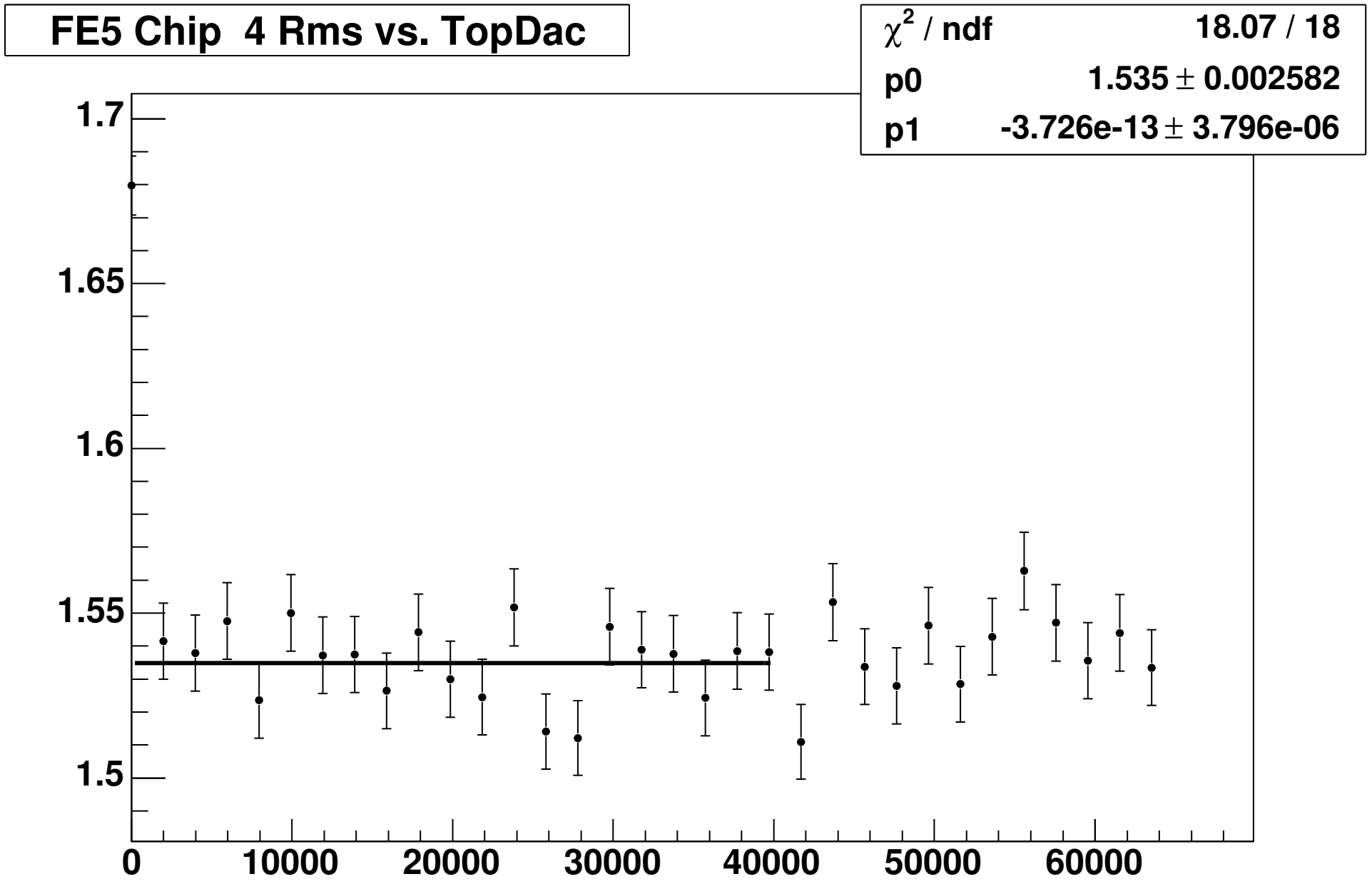
30000
40000
50000
60000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 18.07 / 18
p0 1.535 ± 0.002582
p1 -3.726e-13 ± 3.796e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
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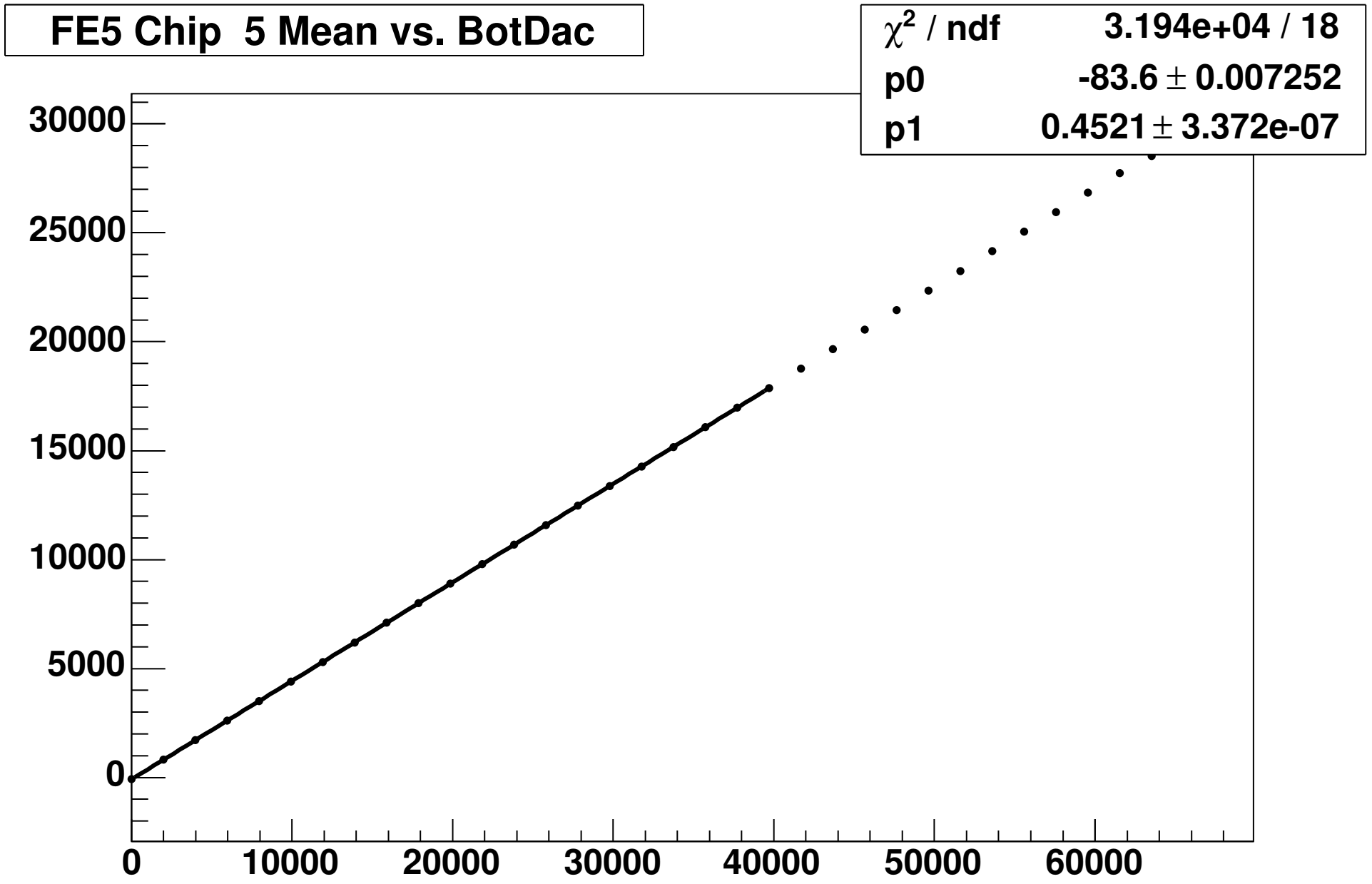
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 3.194e+04 / 18
p0 -83.6 ± 0.007252
p1 0.4521 ± 3.372e-07
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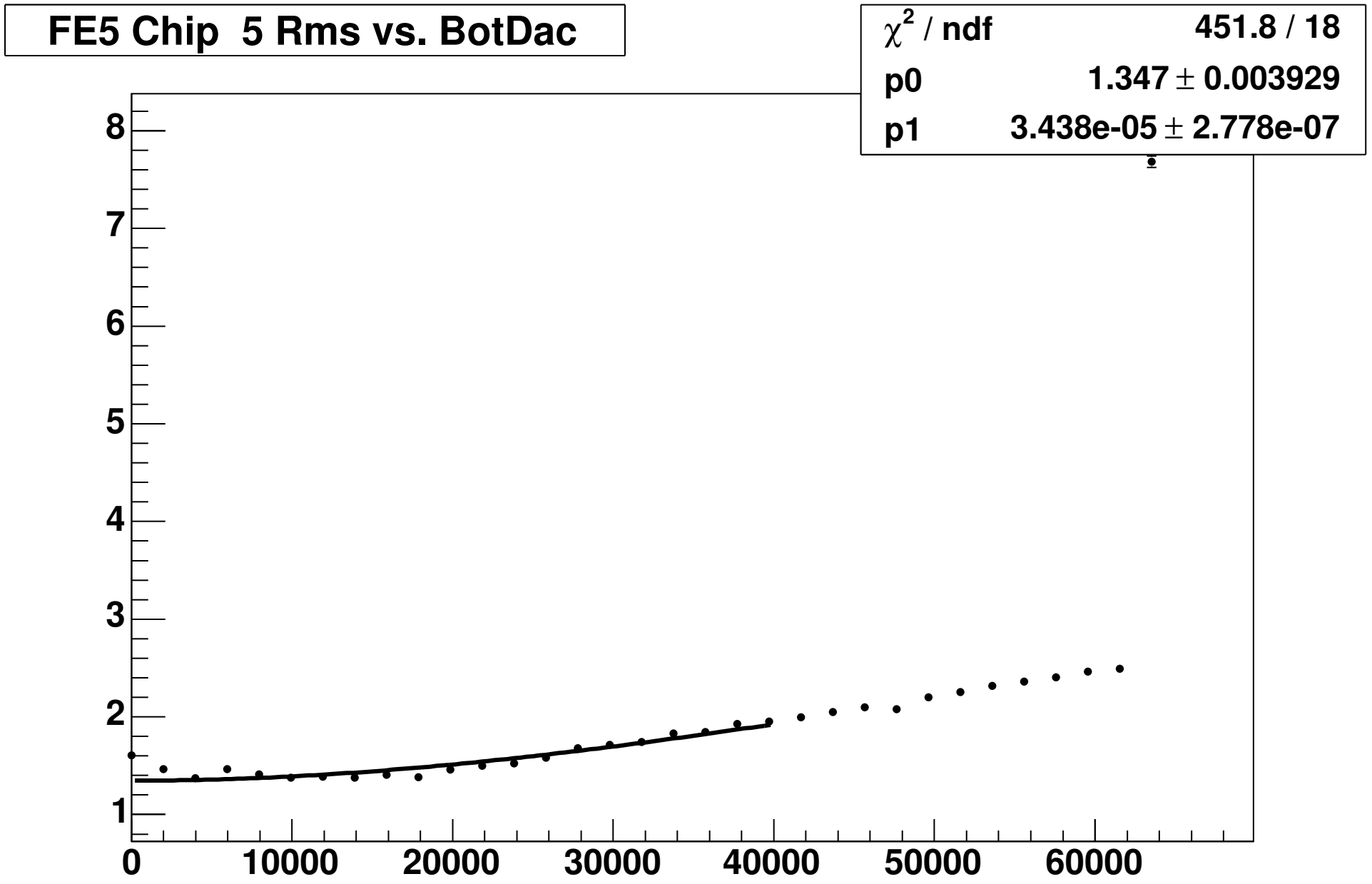
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 451.8 / 18
p0 1.347 ± 0.003929
p1 3.438e-05 ± 2.778e-07
8
7
6
5
4
3
2
1
0
10000
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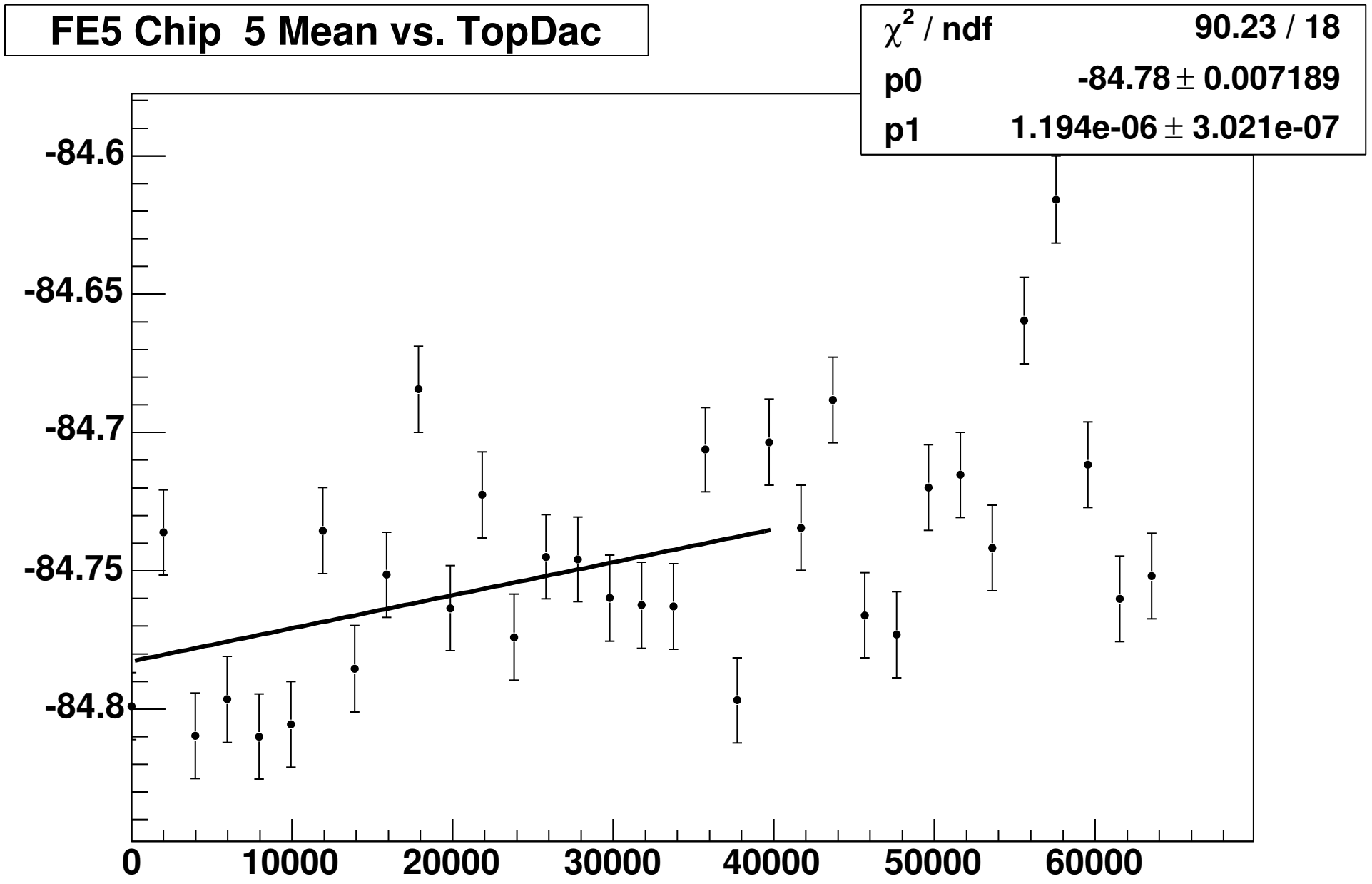
60000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 90.23 / 18
p0 -84.78 ± 0.007189
p1 1.194e-06 ± 3.021e-07
-84.6
-84.65
-84.7
-84.75
-84.8
0
10000
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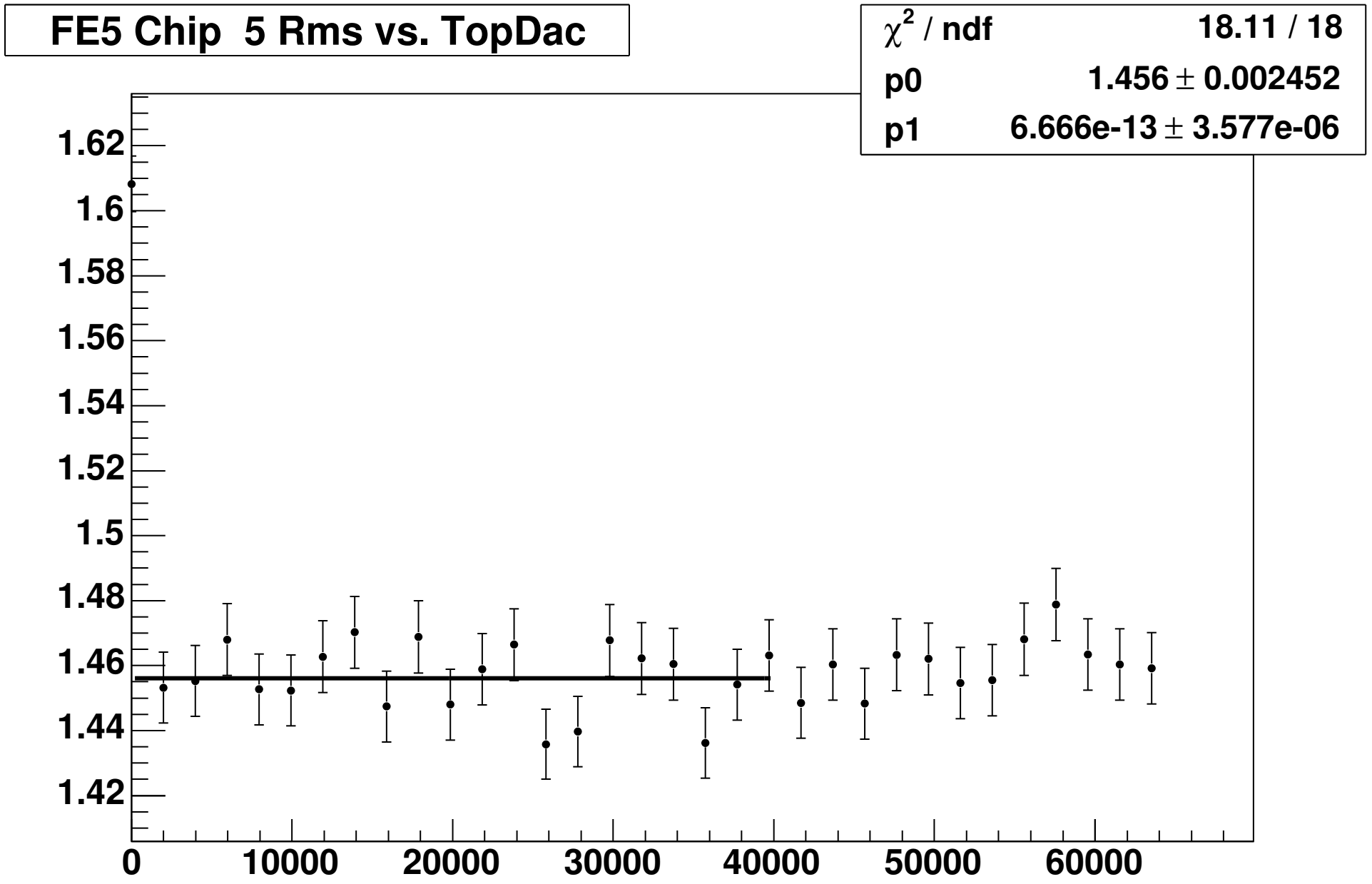
50000
60000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 18.11 / 18
p0 1.456 ± 0.002452
p1 6.666e-13 ± 3.577e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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30000
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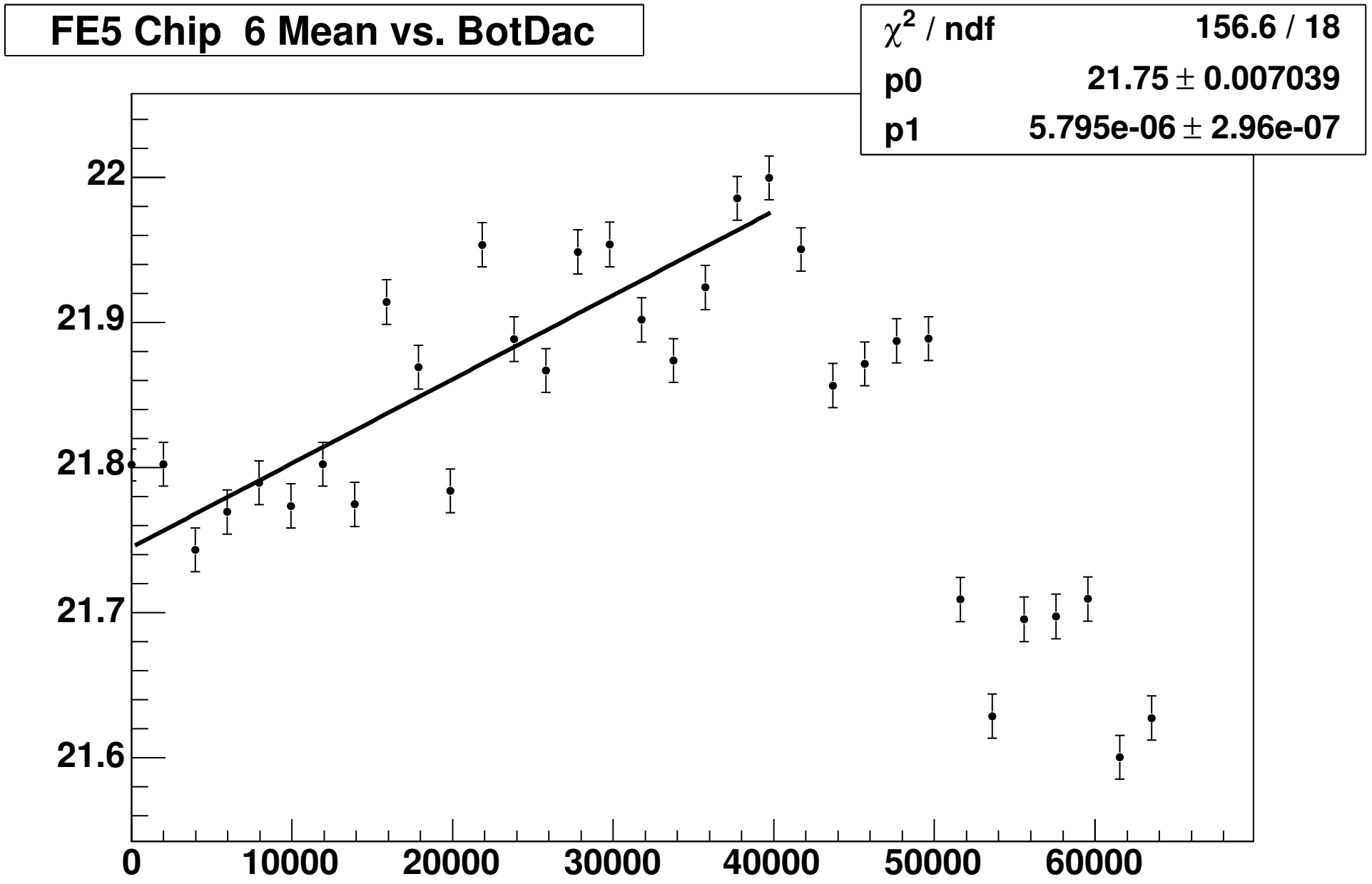
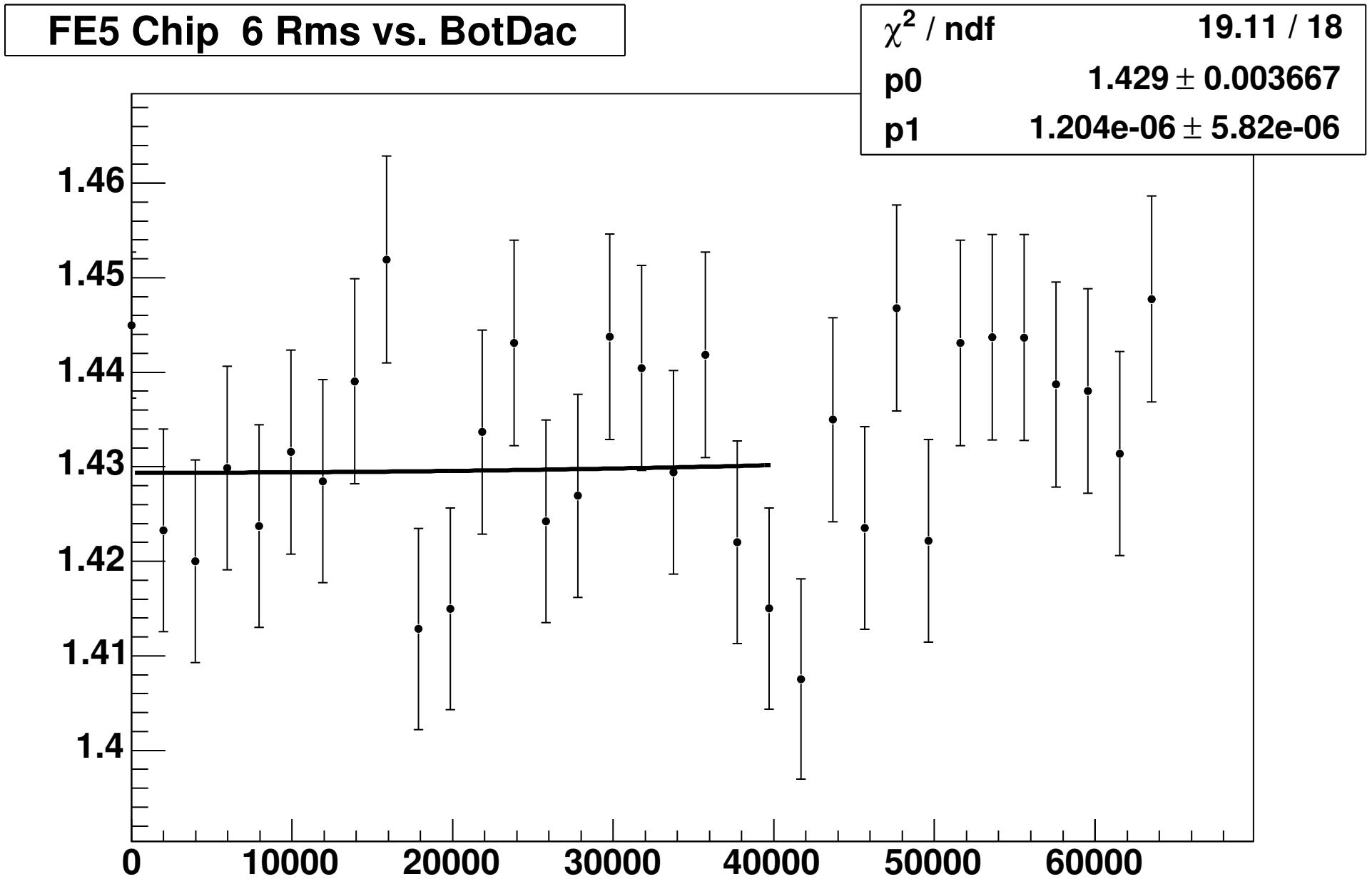
60000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 156.6 / 18
p0 21.75 ± 0.007039
p1 5.795e-06 ± 2.96e-07
22
21.9
21.8
21.7
21.6
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 19.11 / 18
p0 1.429 ± 0.003667
p1 1.204e-06 ± 5.82e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
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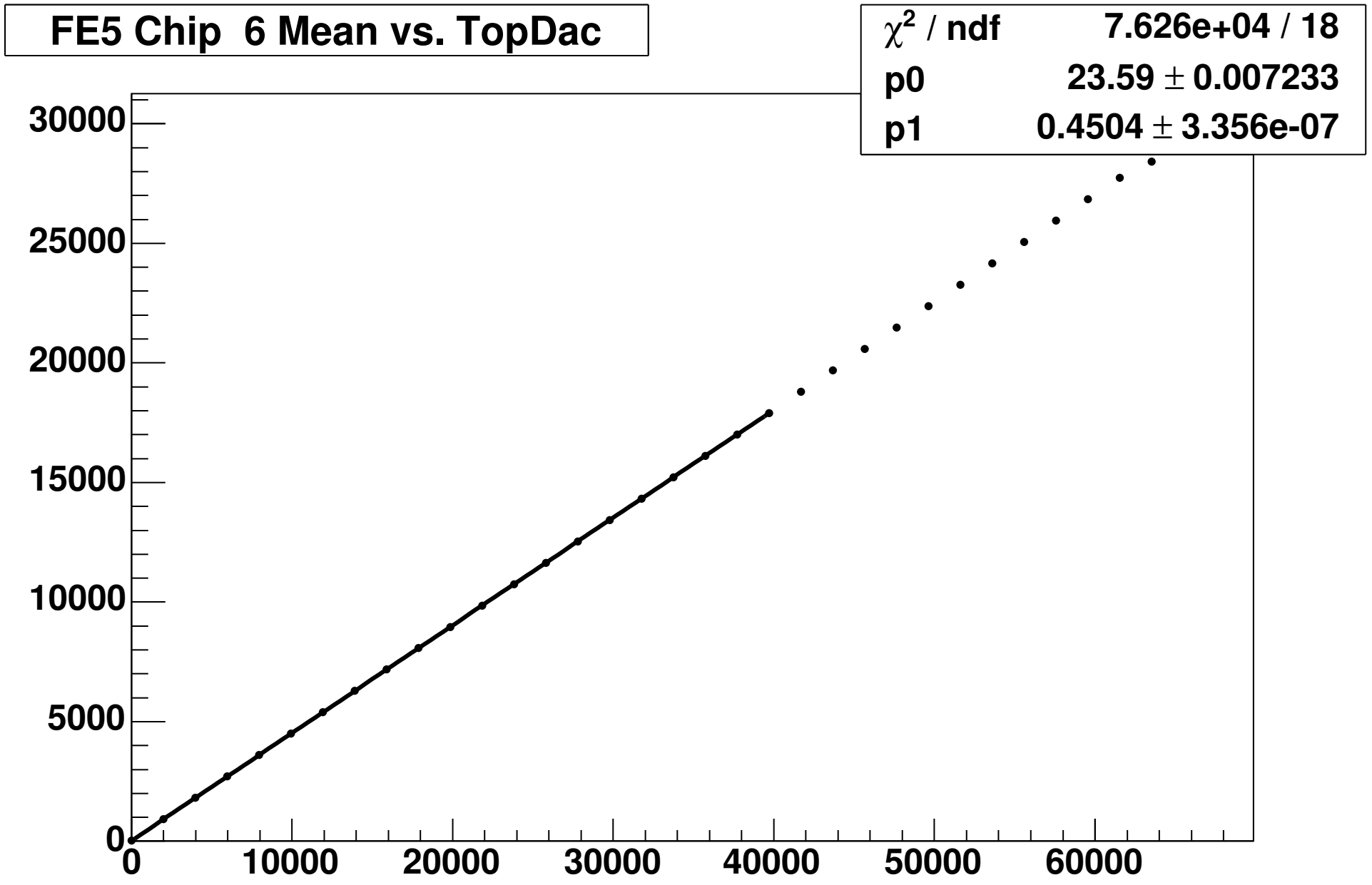
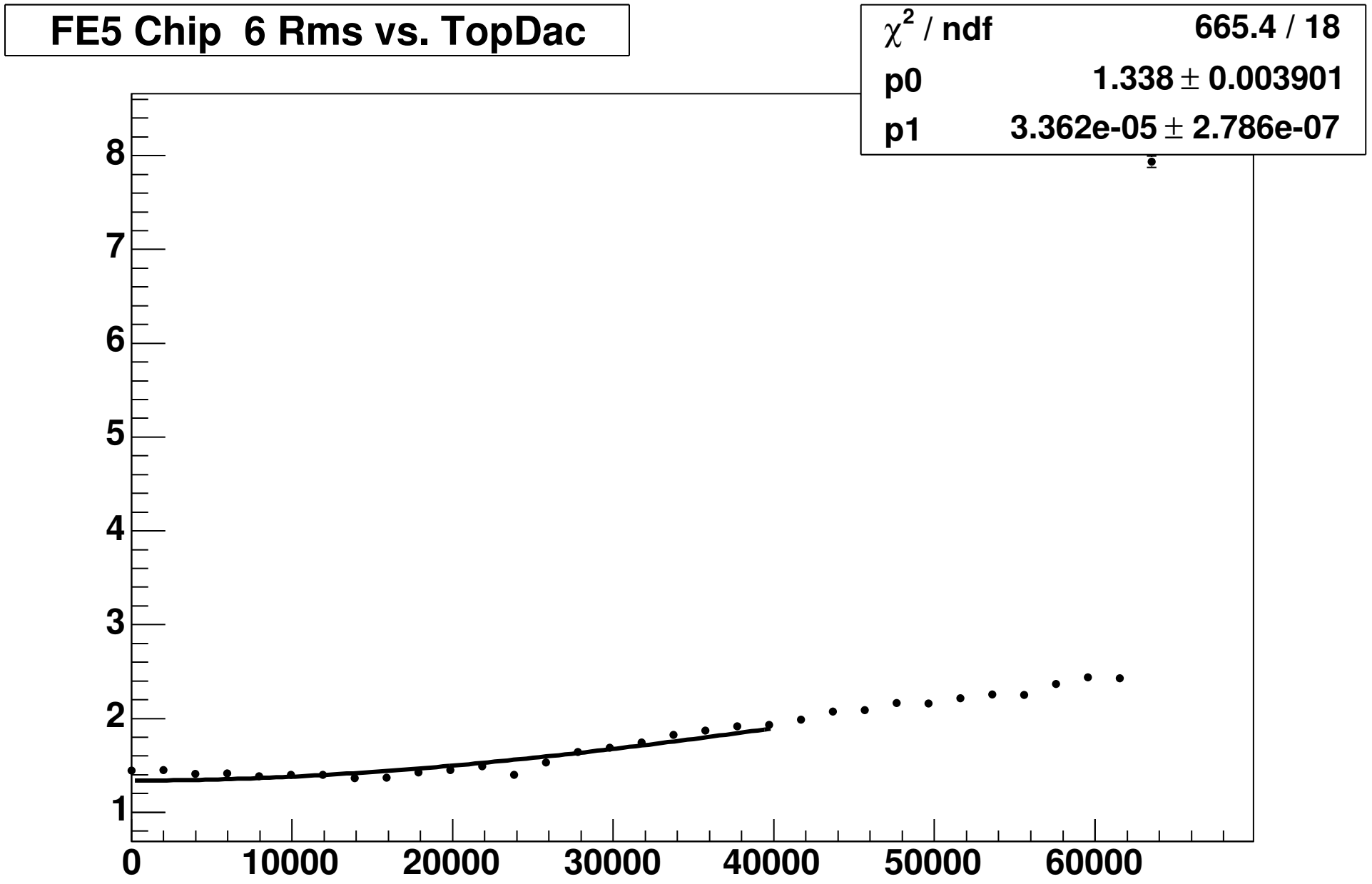
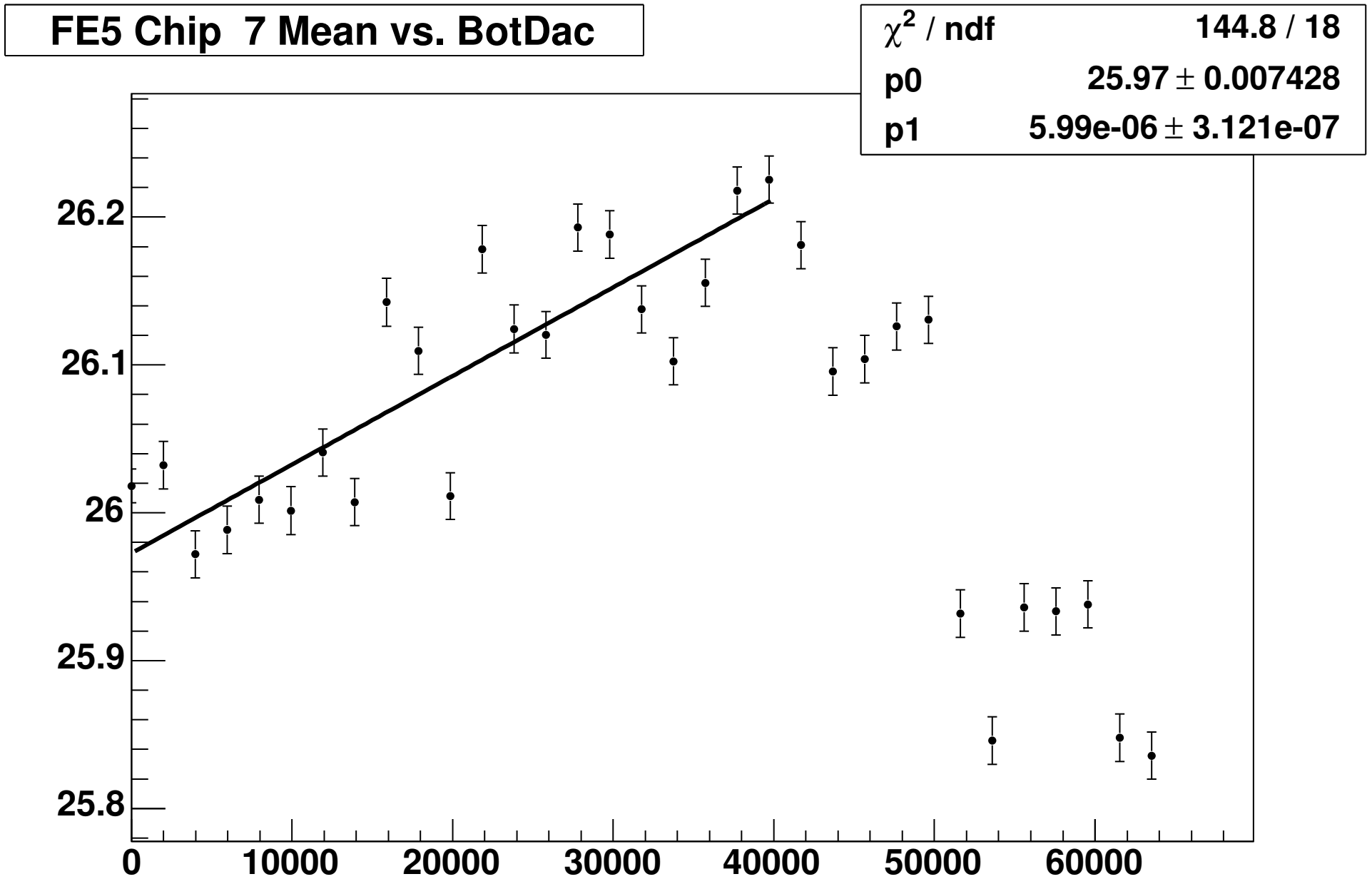
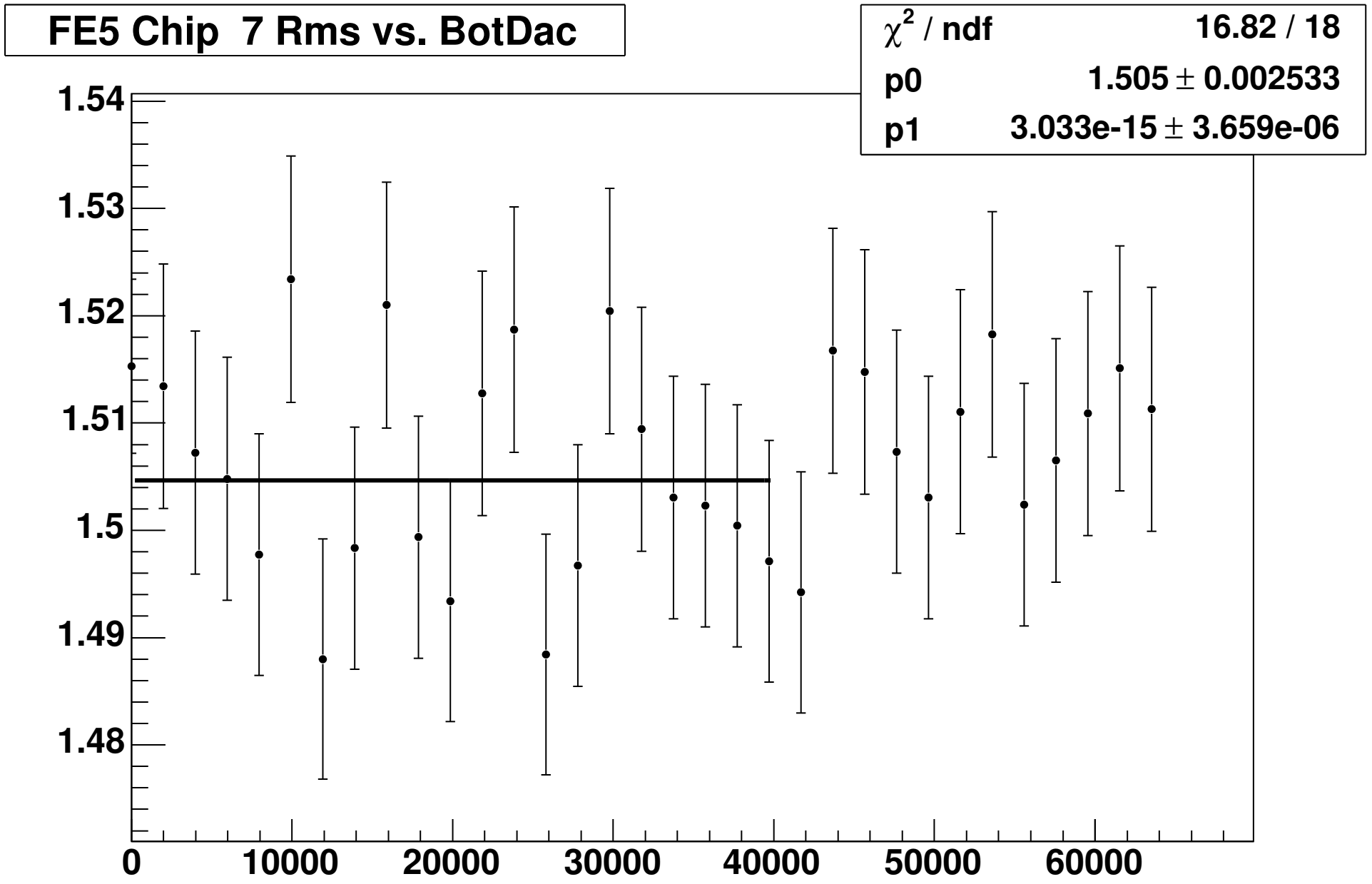
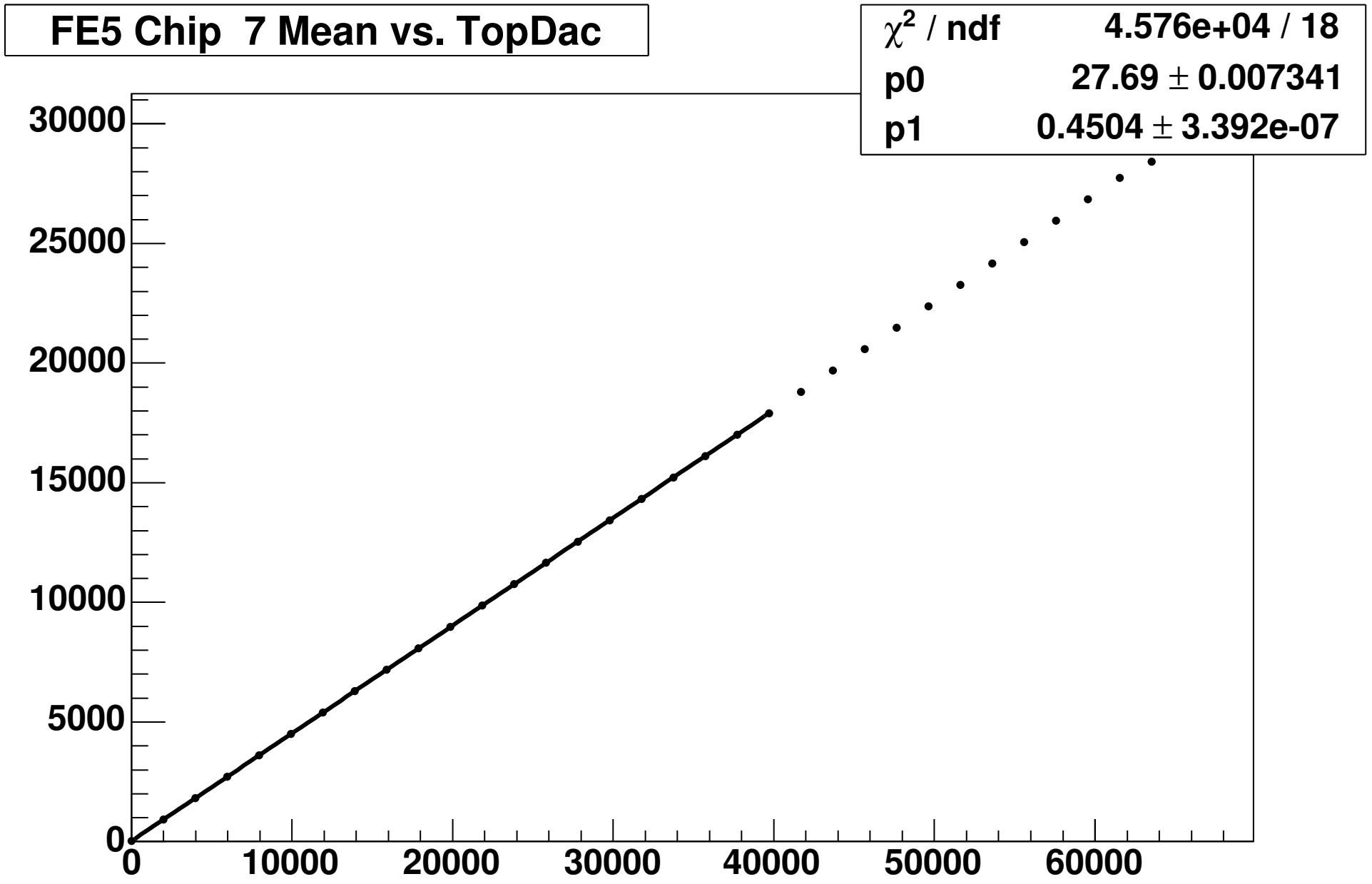
50000
60000

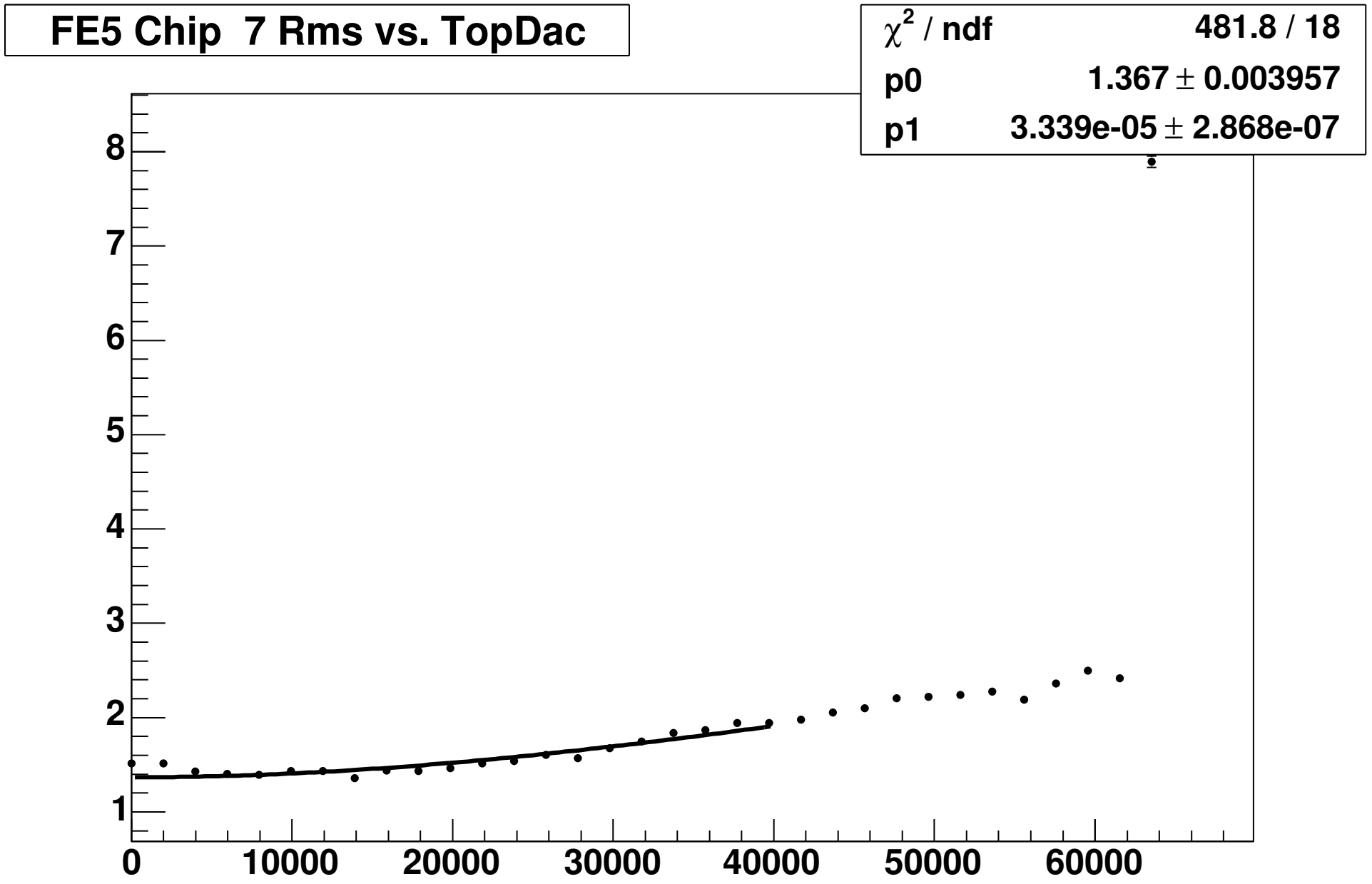

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.626e+04 / 18
p0 23.59 ± 0.007233
p1 0.4504 ± 3.356e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

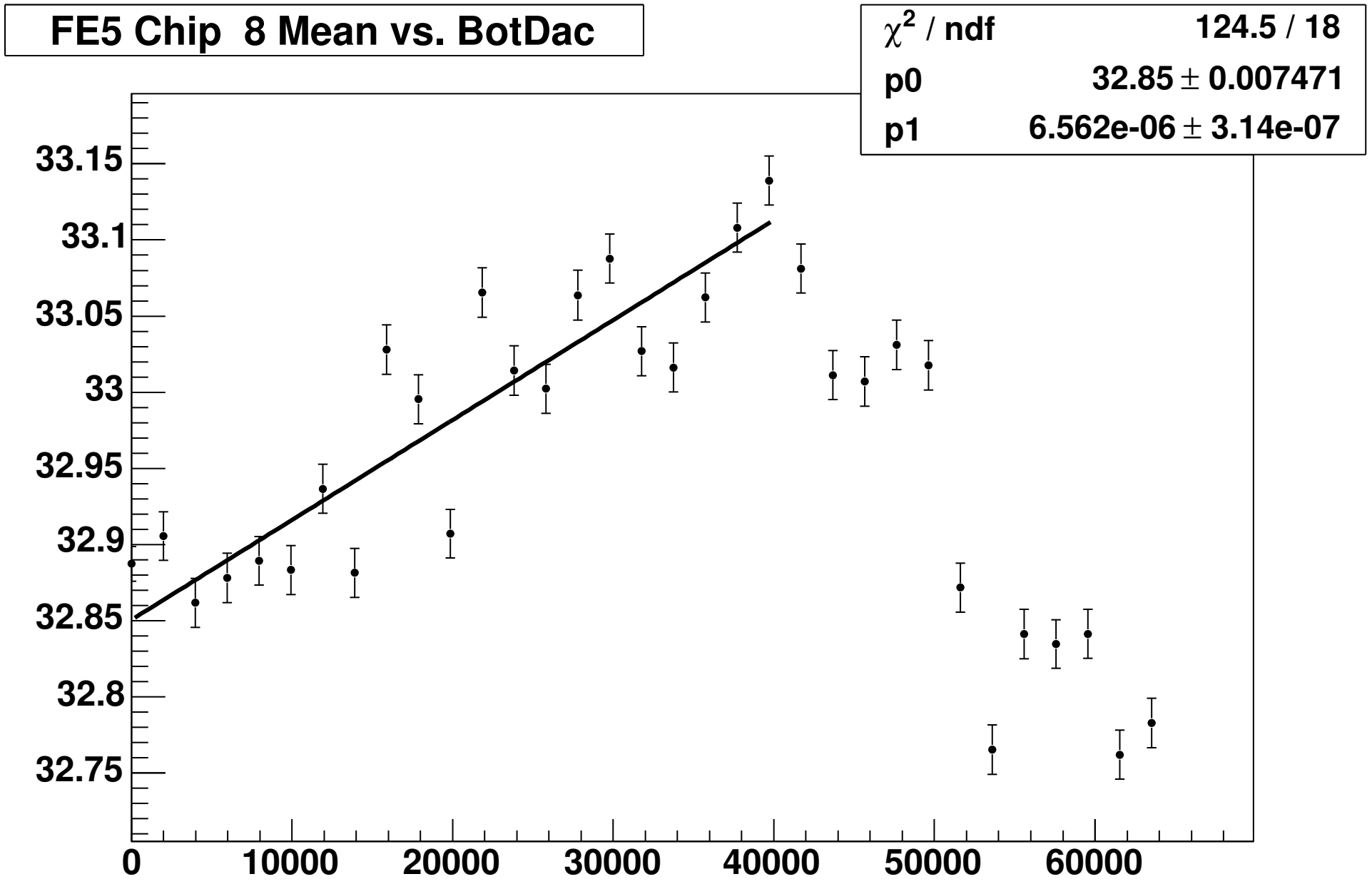

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 665.4 / 18
p0 1.338 ± 0.003901
p1 3.362e-05 ± 2.786e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

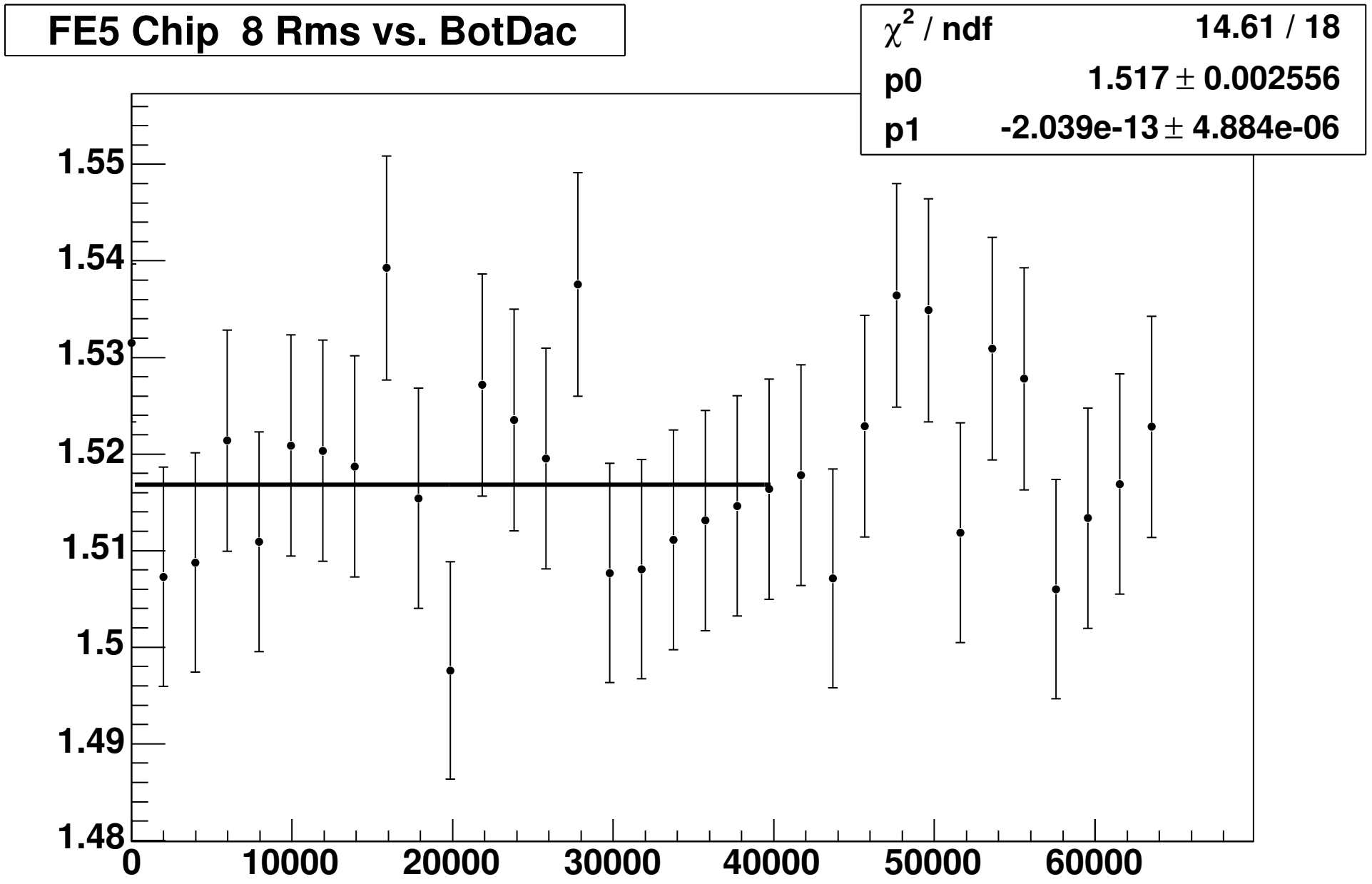

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 144.8 / 18
p0 25.97 ± 0.007428
p1 5.99e-06 ± 3.121e-07
26.2
26.1
26
25.9
25.8
0
10000
20000
30000
40000
50000
60000

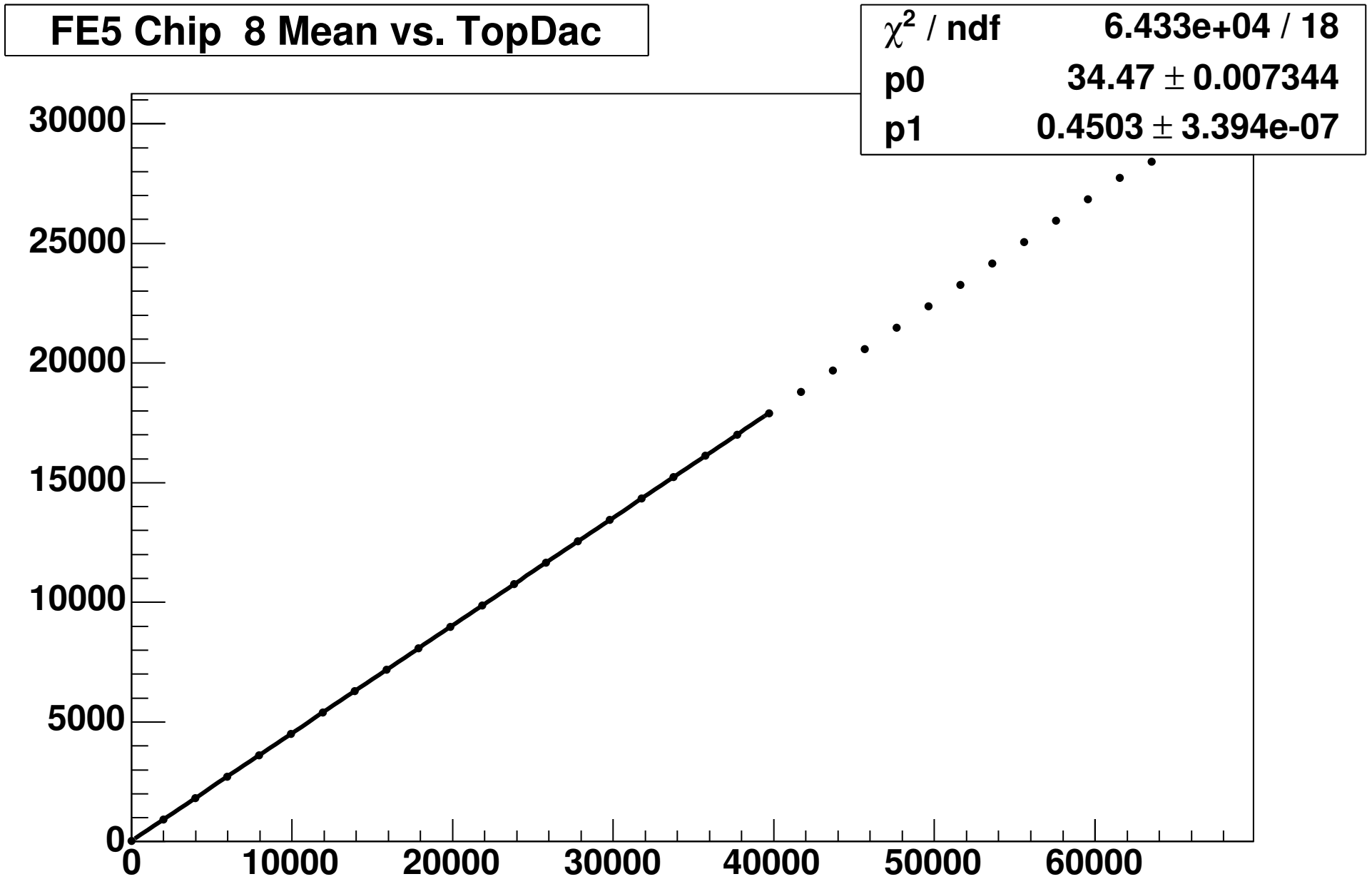

FE5 Chip 7 Rms vs. BotDac
χ² / ndf 16.82 / 18
p0 1.505 ± 0.002533
p1 3.033e-15 ± 3.659e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

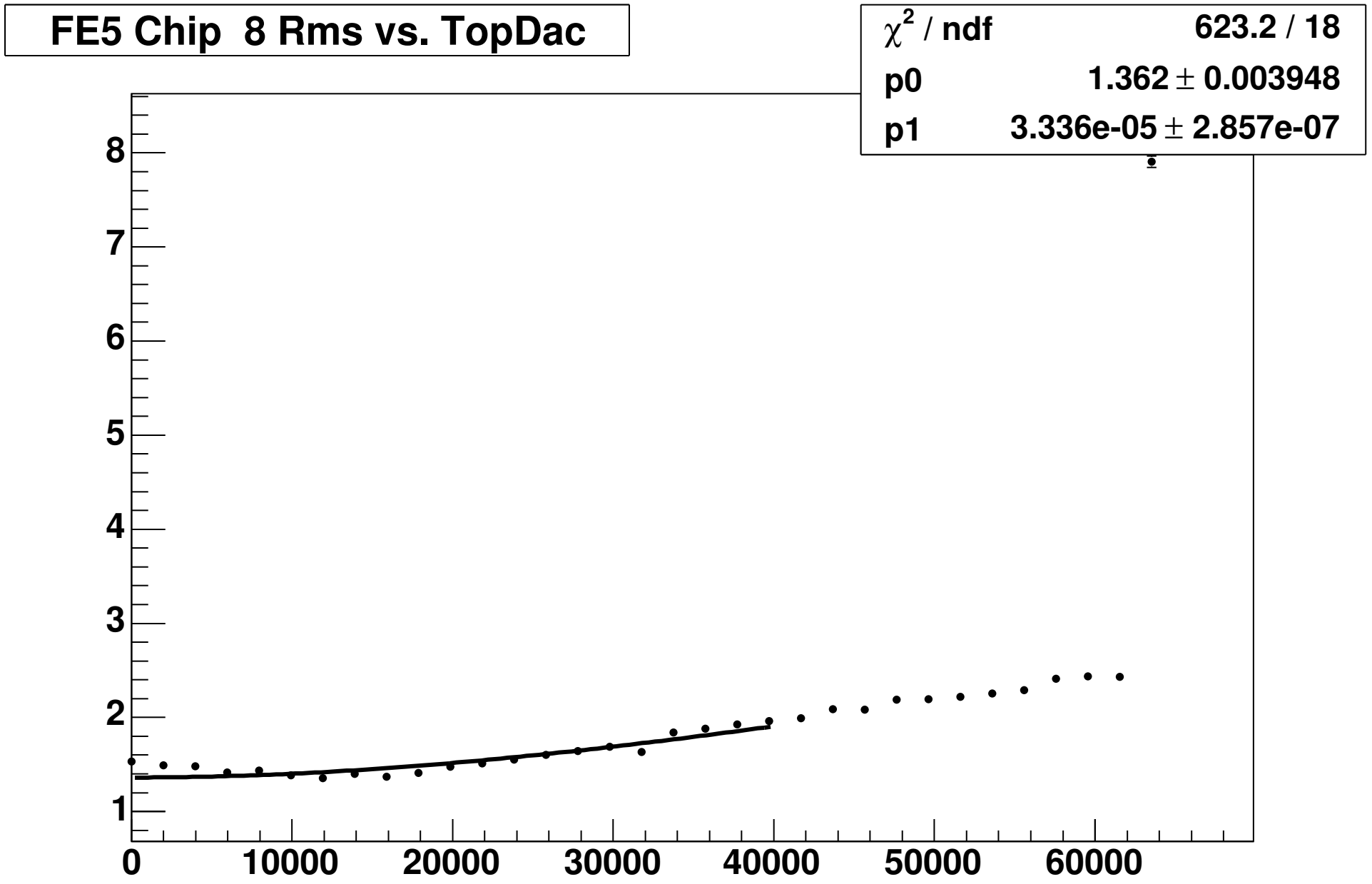

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 4.576e+04 / 18
p0 27.69 ± 0.007341
p1 0.4504 ± 3.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

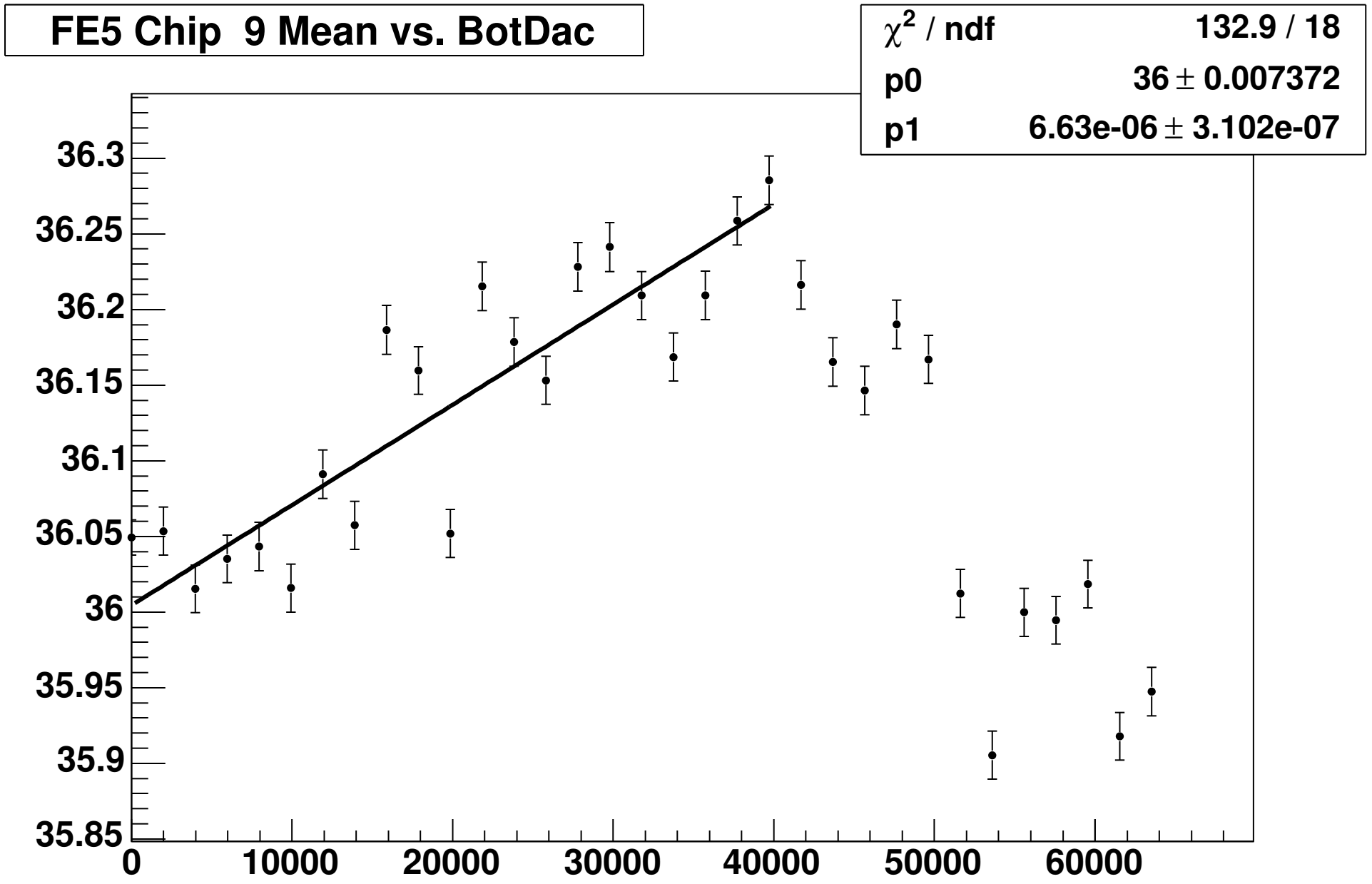

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 481.8 / 18
p0 1.367 ± 0.003957
p1 3.339e-05 ± 2.868e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

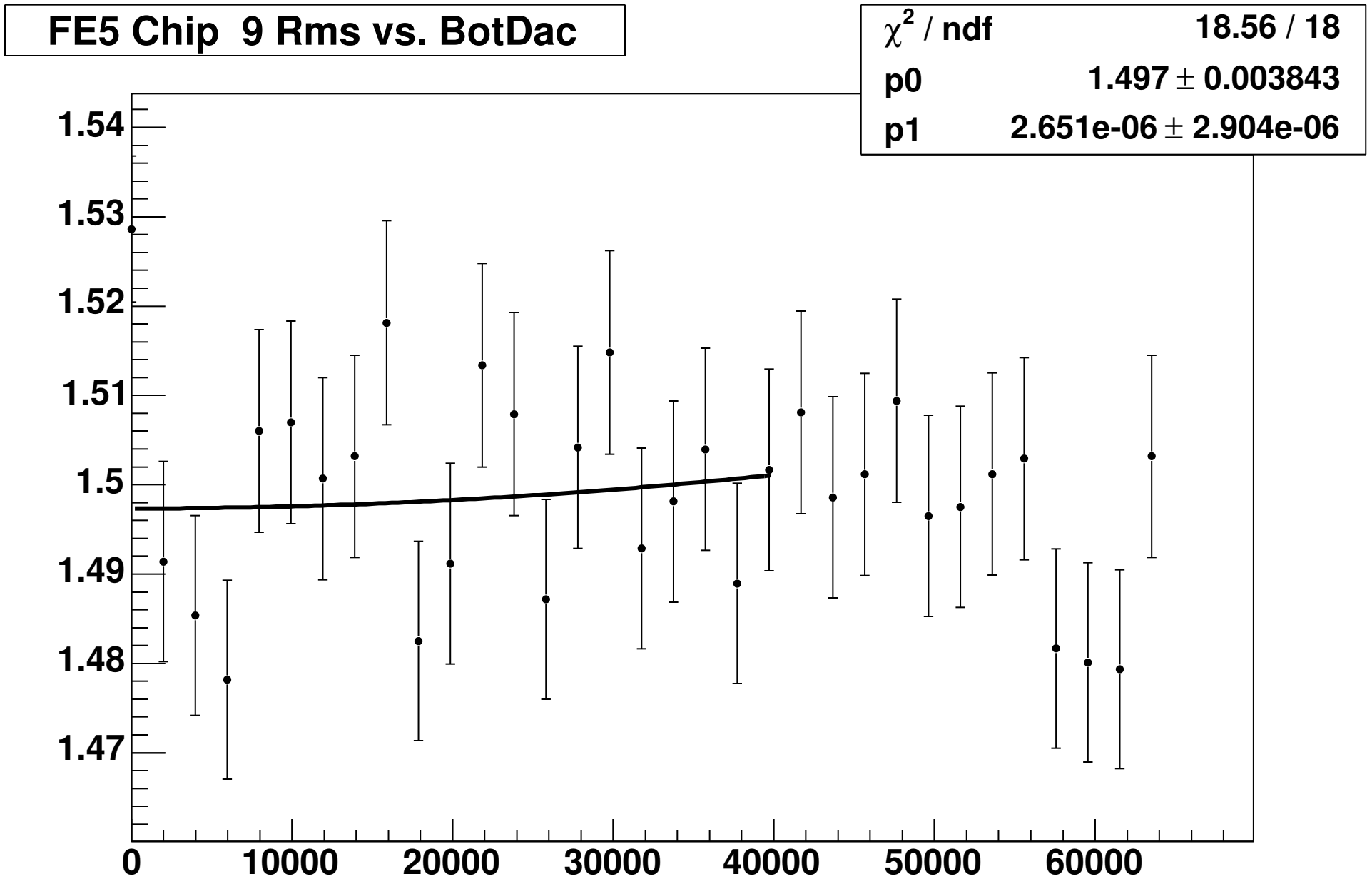

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 124.5 / 18
p0 32.85 ± 0.007471
p1 6.562e-06 ± 3.14e-07
33.15
33.1
33.05
33
32.95
32.9
32.85
32.8
32.75
0
10000
20000
30000
40000
50000
60000

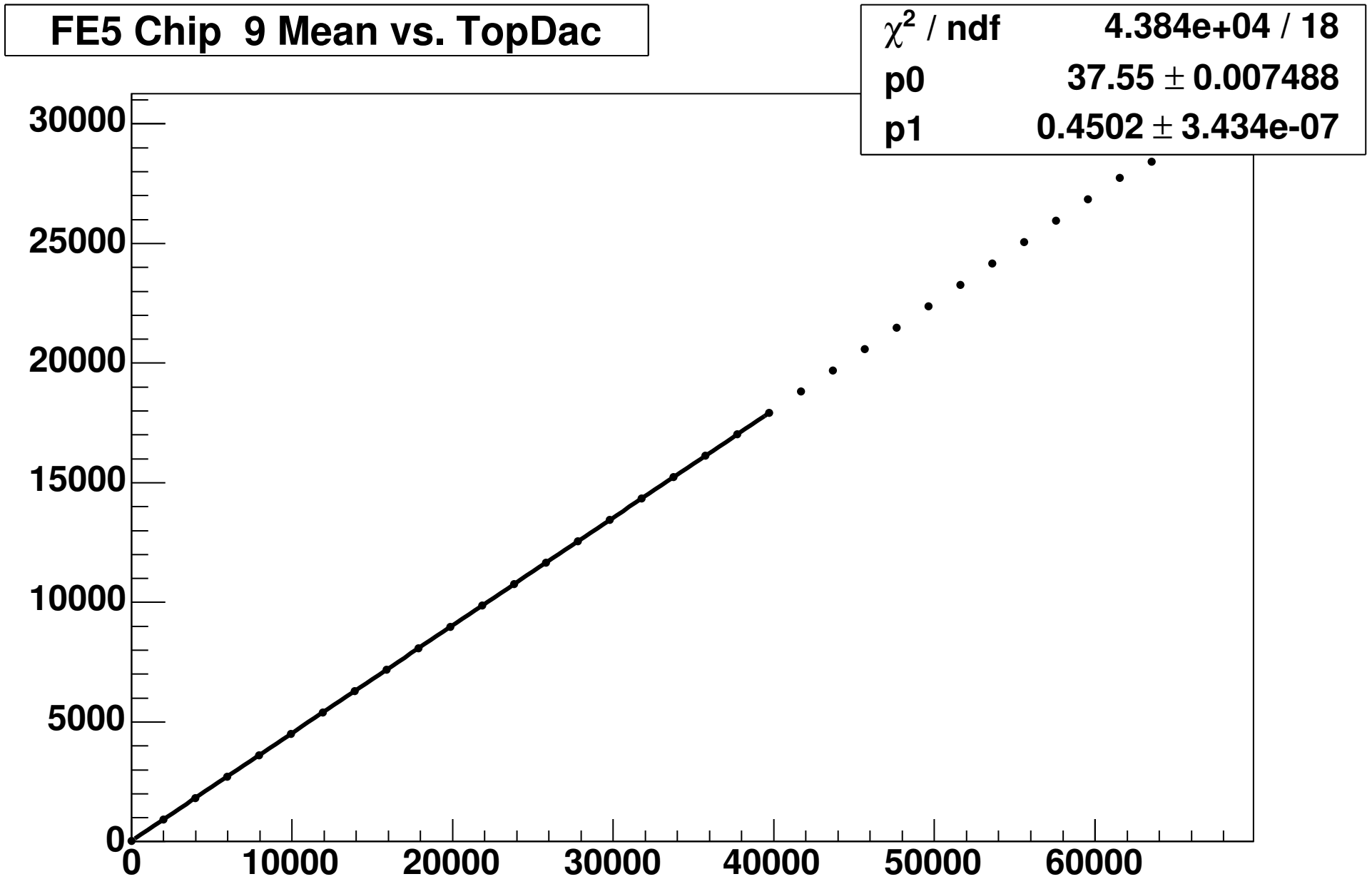

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 14.61 / 18
p0 1.517 ± 0.002556
p1 -2.039e-13 ± 4.884e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

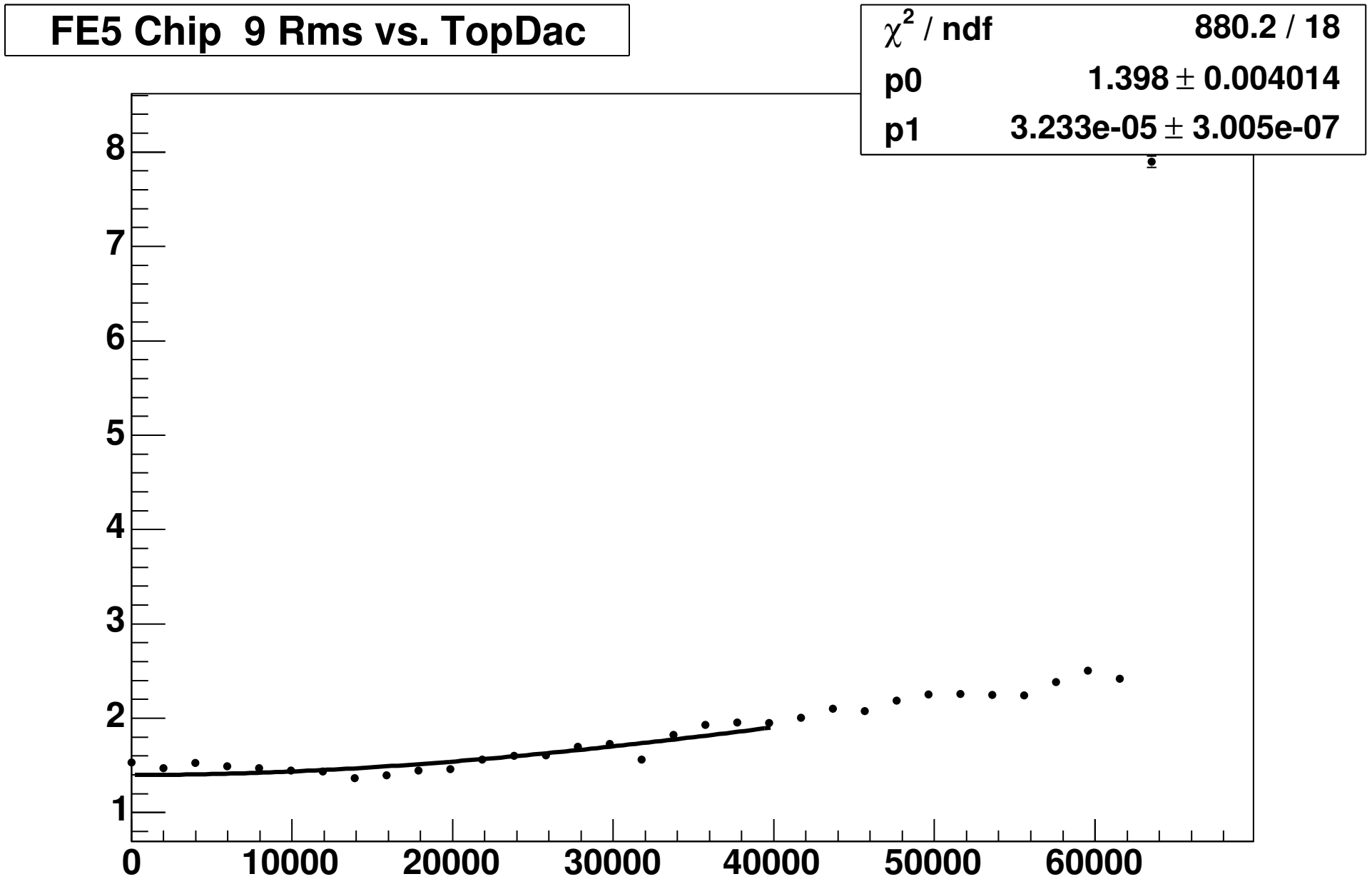

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 6.433e+04 / 18
p0 34.47 ± 0.007344
p1 0.4503 ± 3.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

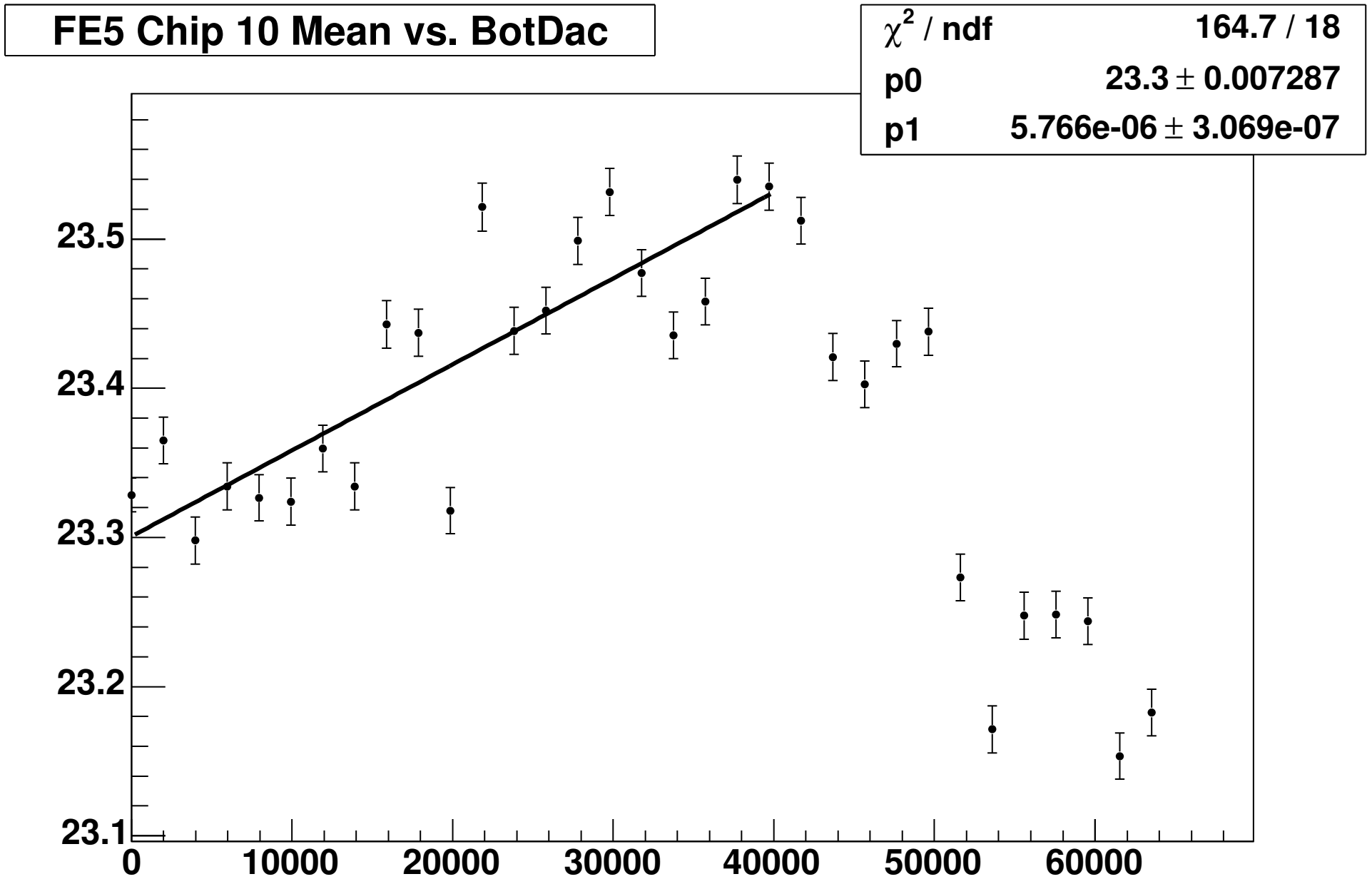

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 623.2 / 18
p0 1.362 ± 0.003948
p1 3.336e-05 ± 2.857e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

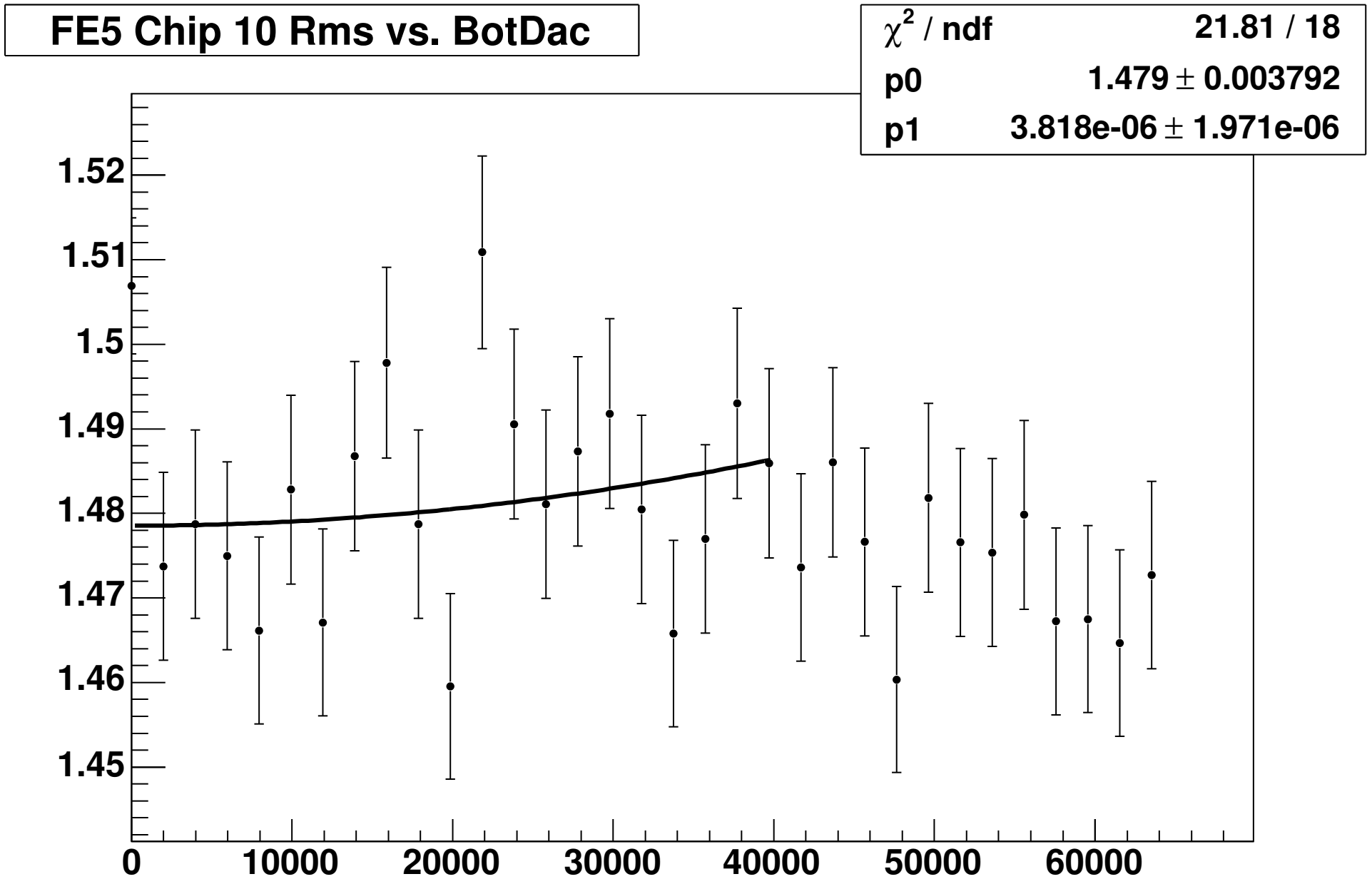

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 132.9 / 18
p0 36 ± 0.007372
p1 6.63e-06 ± 3.102e-07
36.3
36.25
36.2
36.15
36.1
36.05
36
35.95
35.9
35.85
0
10000
20000
30000
40000
50000
60000

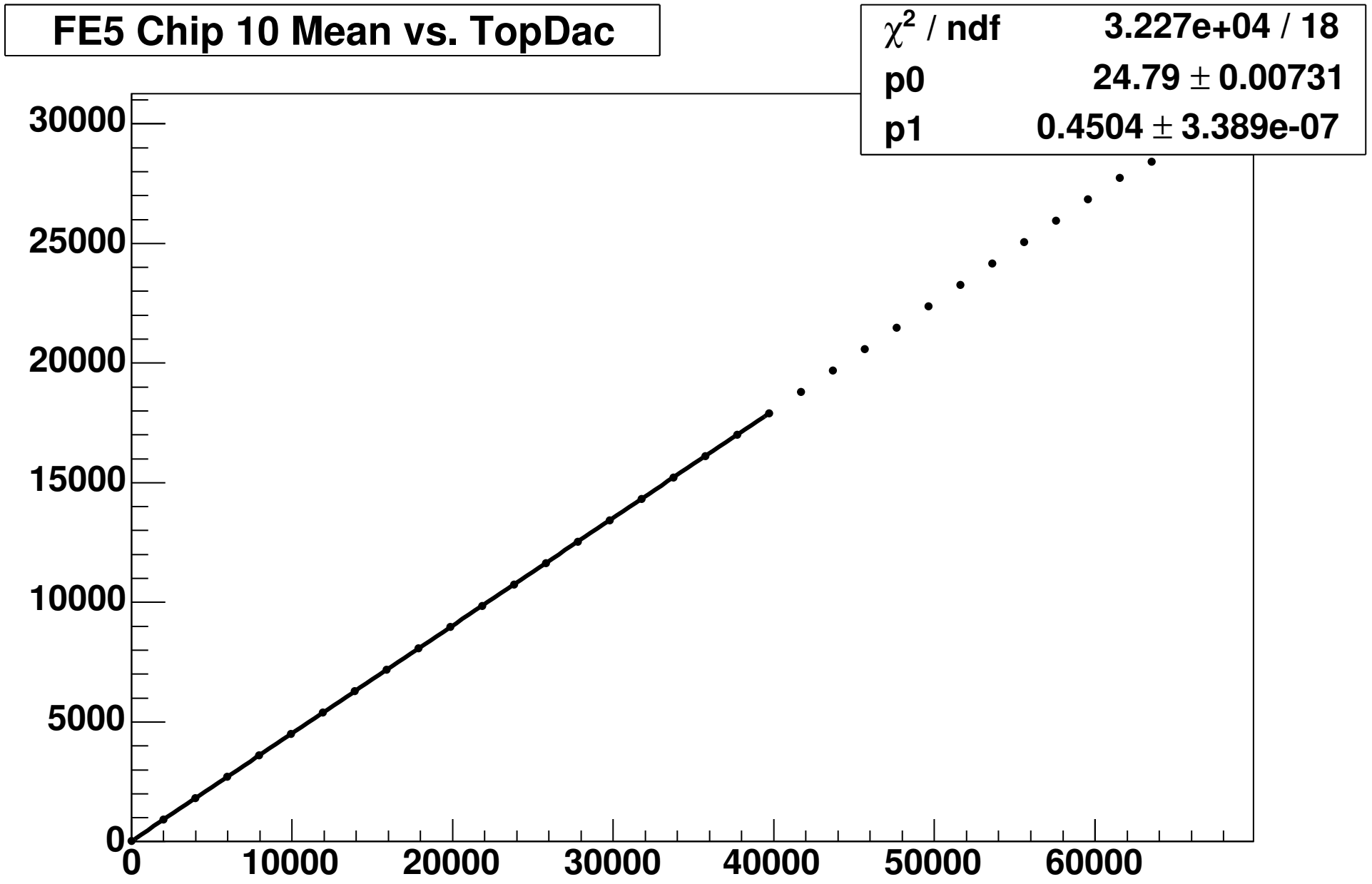

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 18.56 / 18
p0 1.497 ± 0.003843
p1 2.651e-06 ± 2.904e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

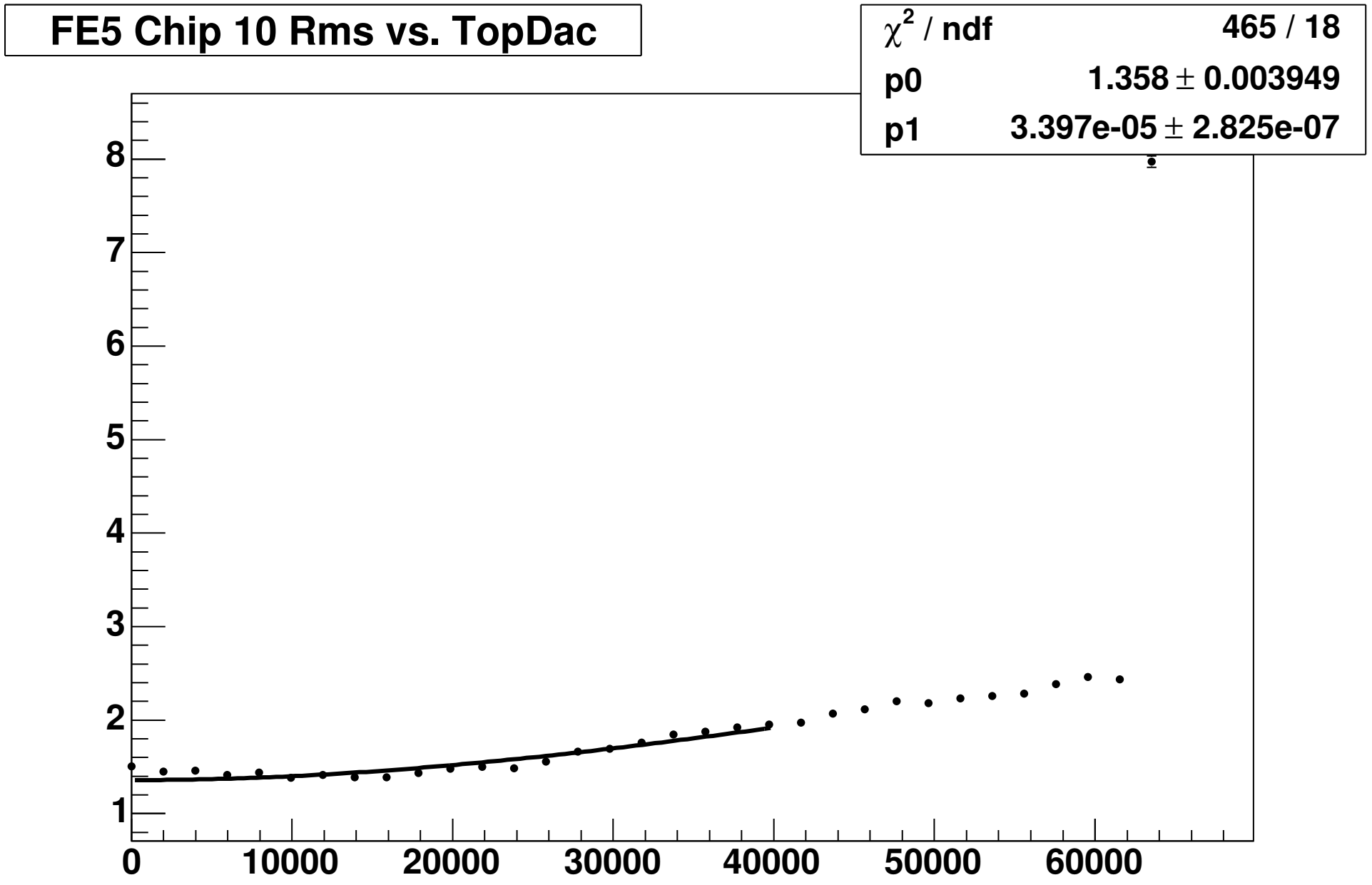

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 4.384e+04 / 18
p0 37.55 ± 0.007488
p1 0.4502 ± 3.434e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

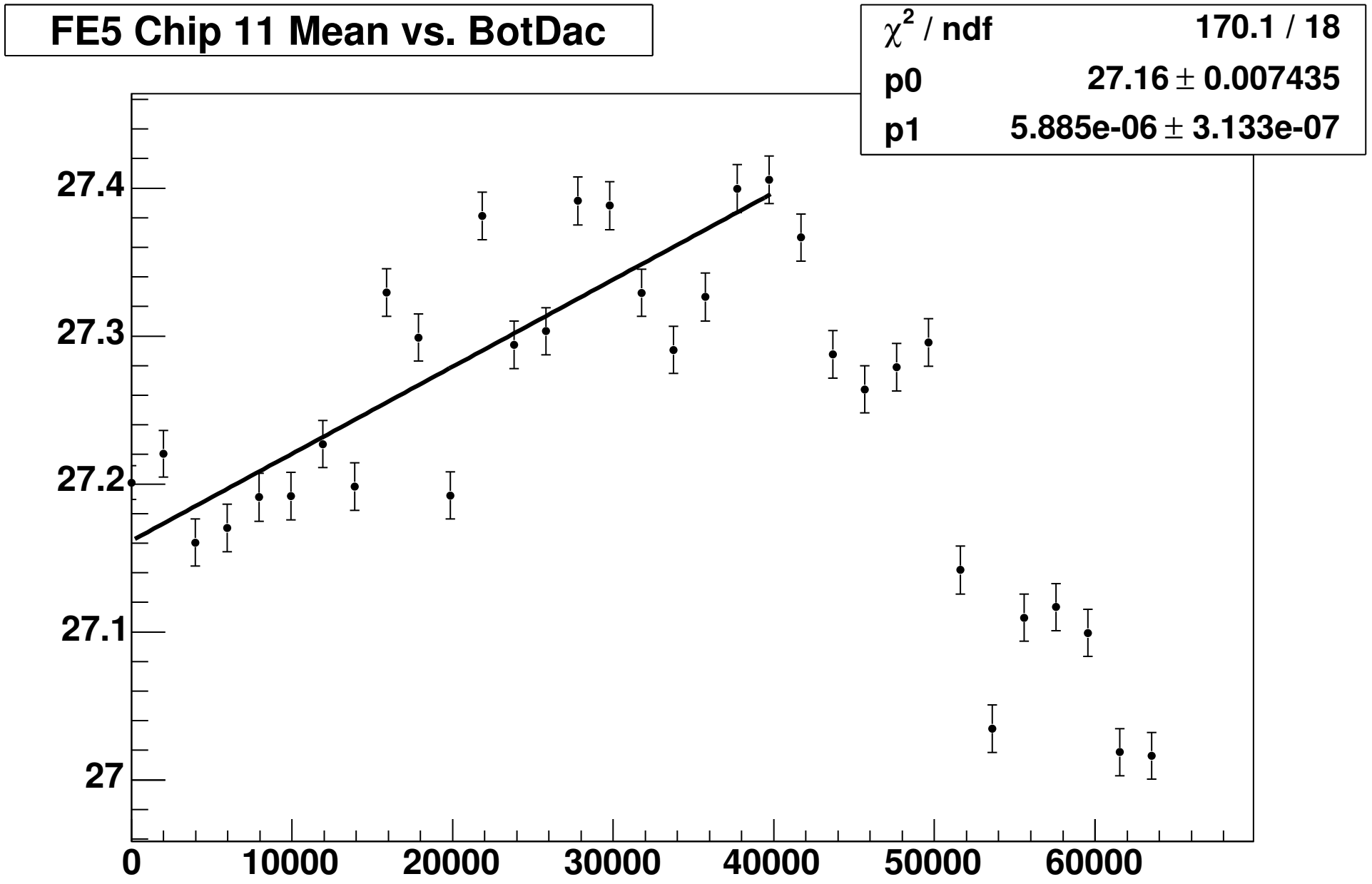

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 880.2 / 18
p0 1.398 ± 0.004014
p1 3.233e-05 ± 3.005e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

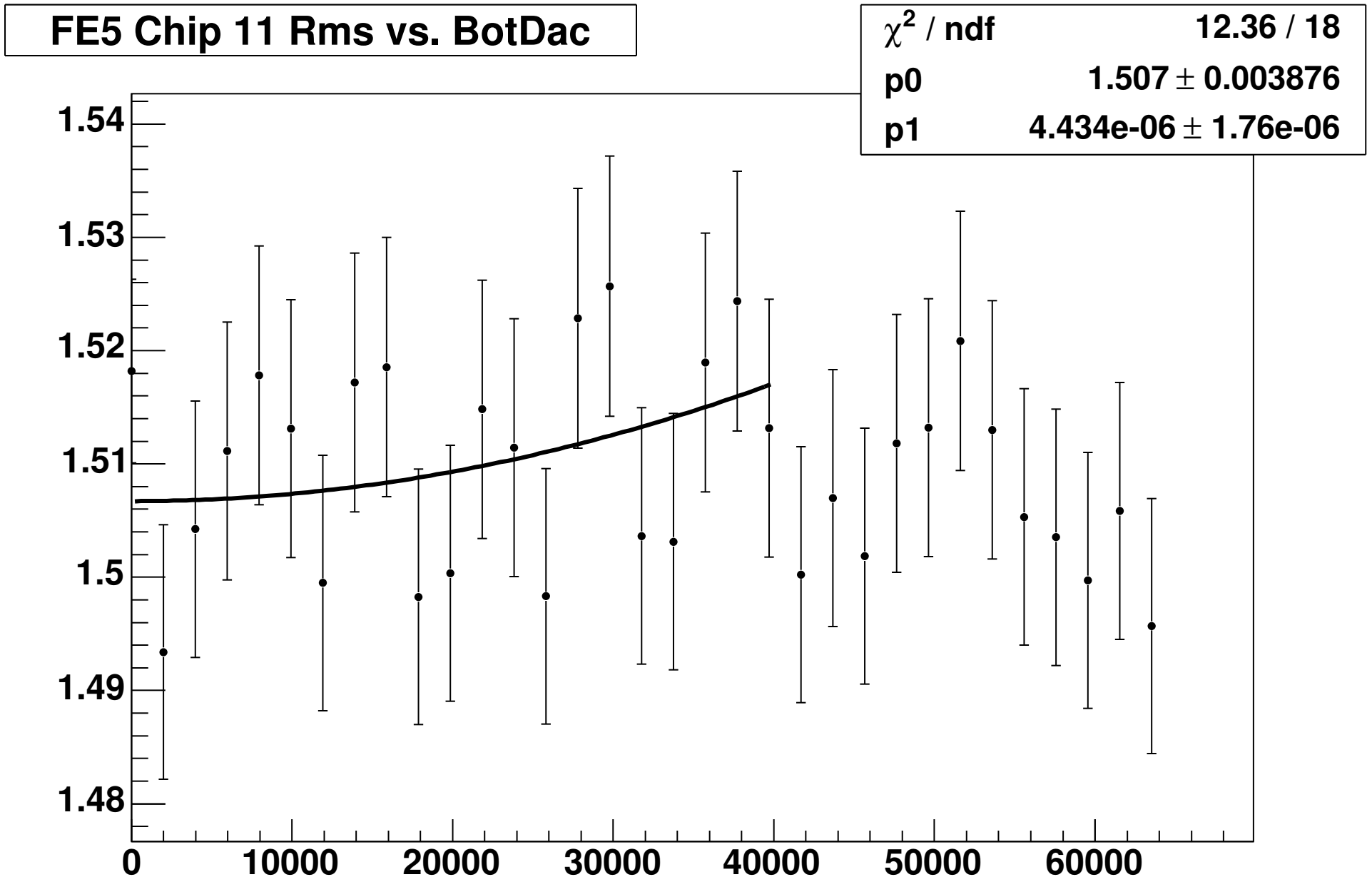

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 164.7 / 18
p0 23.3 ± 0.007287
p1 5.766e-06 ± 3.069e-07
23.5
23.4
23.3
23.2
23.1
0
10000
20000
30000
40000
50000
60000

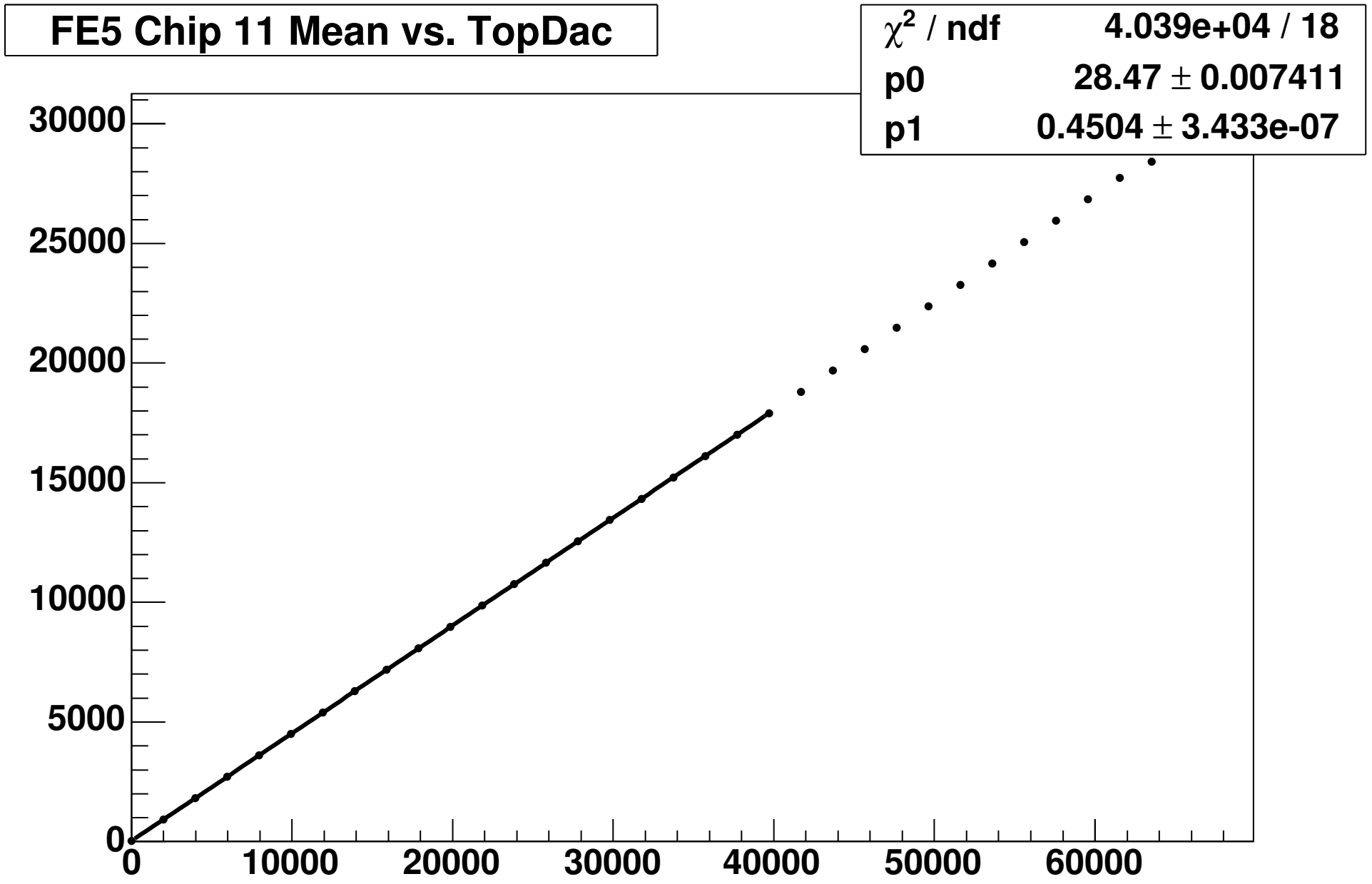

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 21.81 / 18
p0 1.479 ± 0.003792
p1 3.818e-06 ± 1.971e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

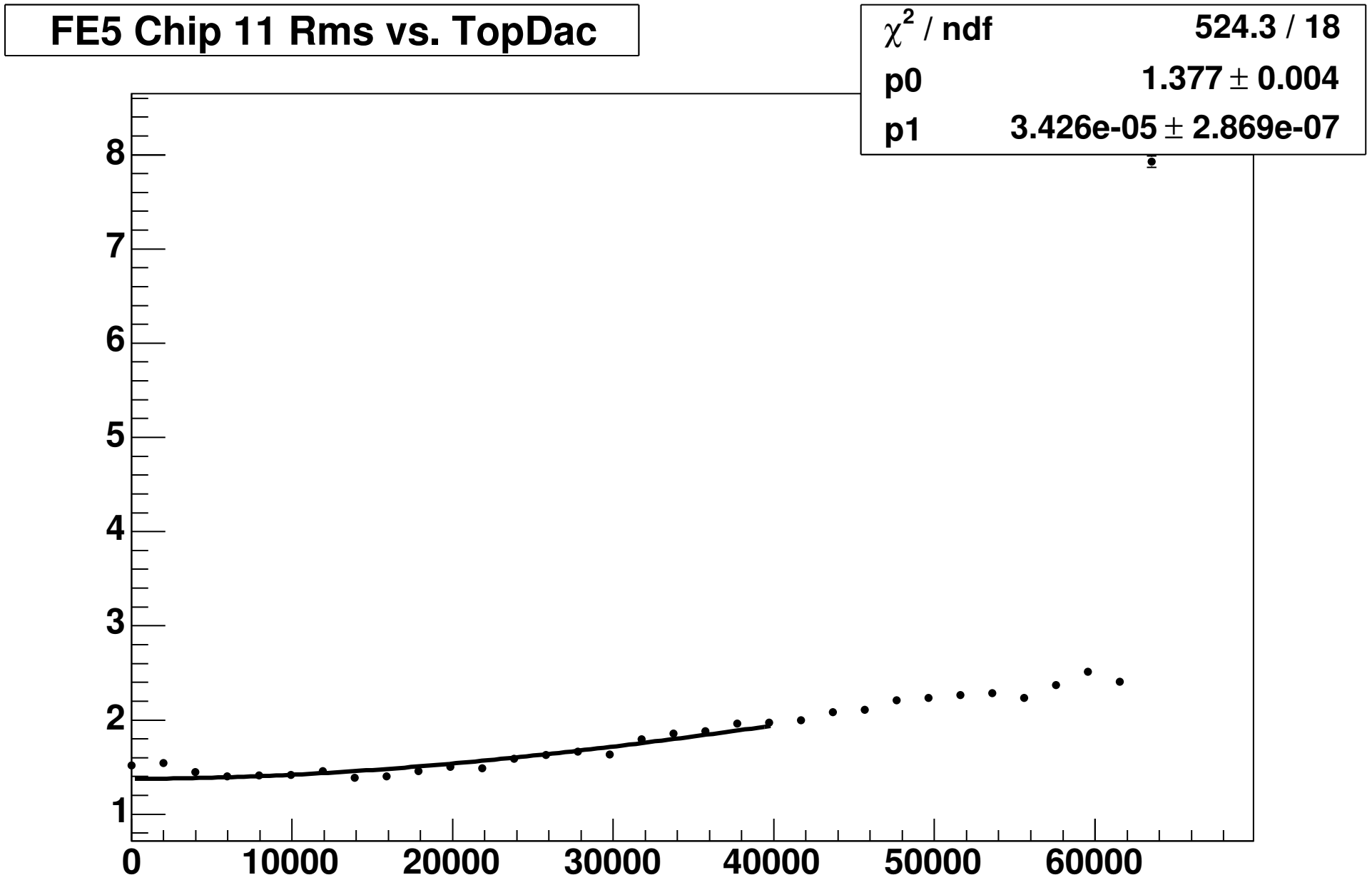

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 3.227e+04 / 18
p0 24.79 ± 0.00731
p1 0.4504 ± 3.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

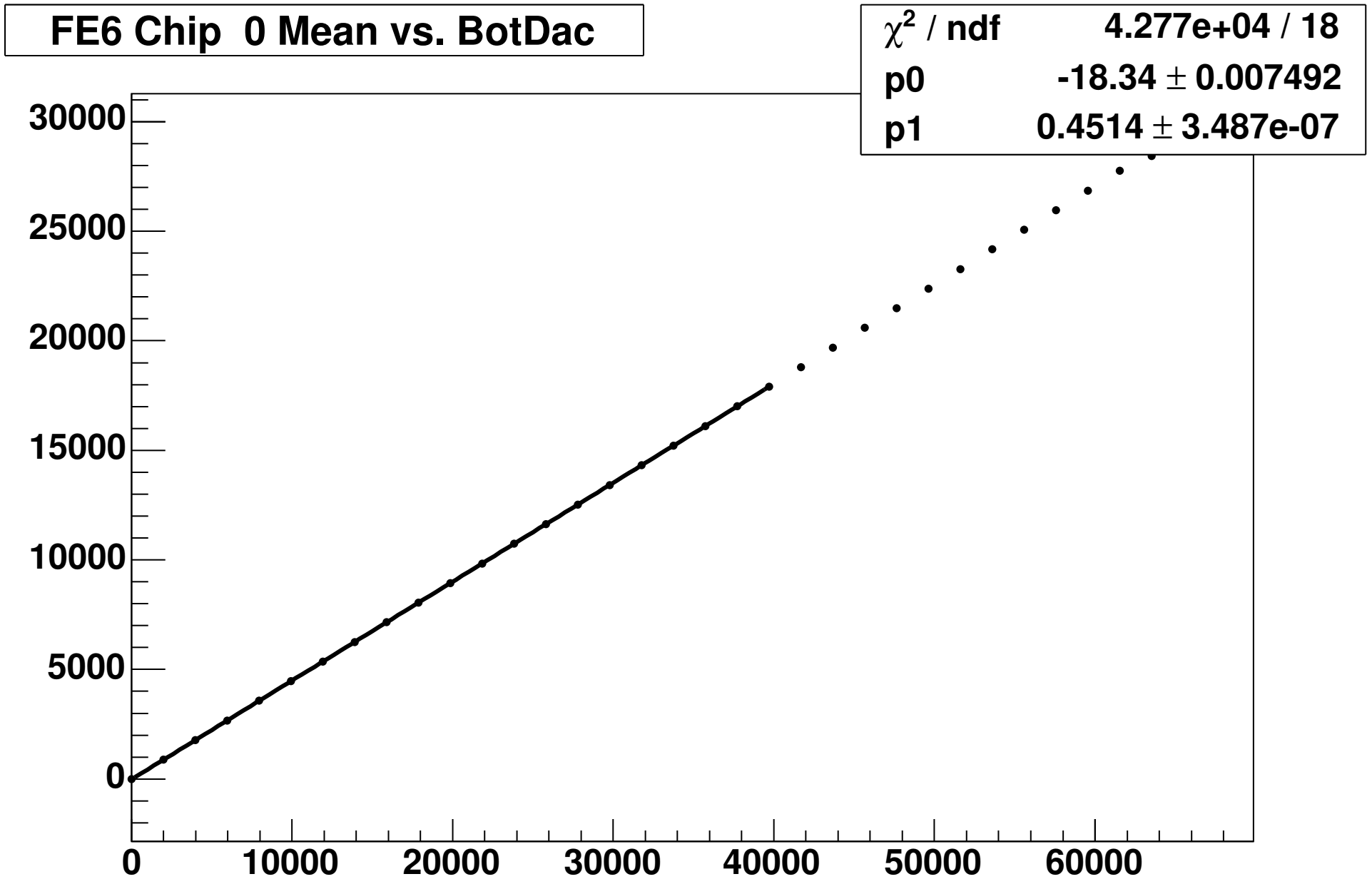

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 465 / 18
p0 1.358 ± 0.003949
p1 3.397e-05 ± 2.825e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

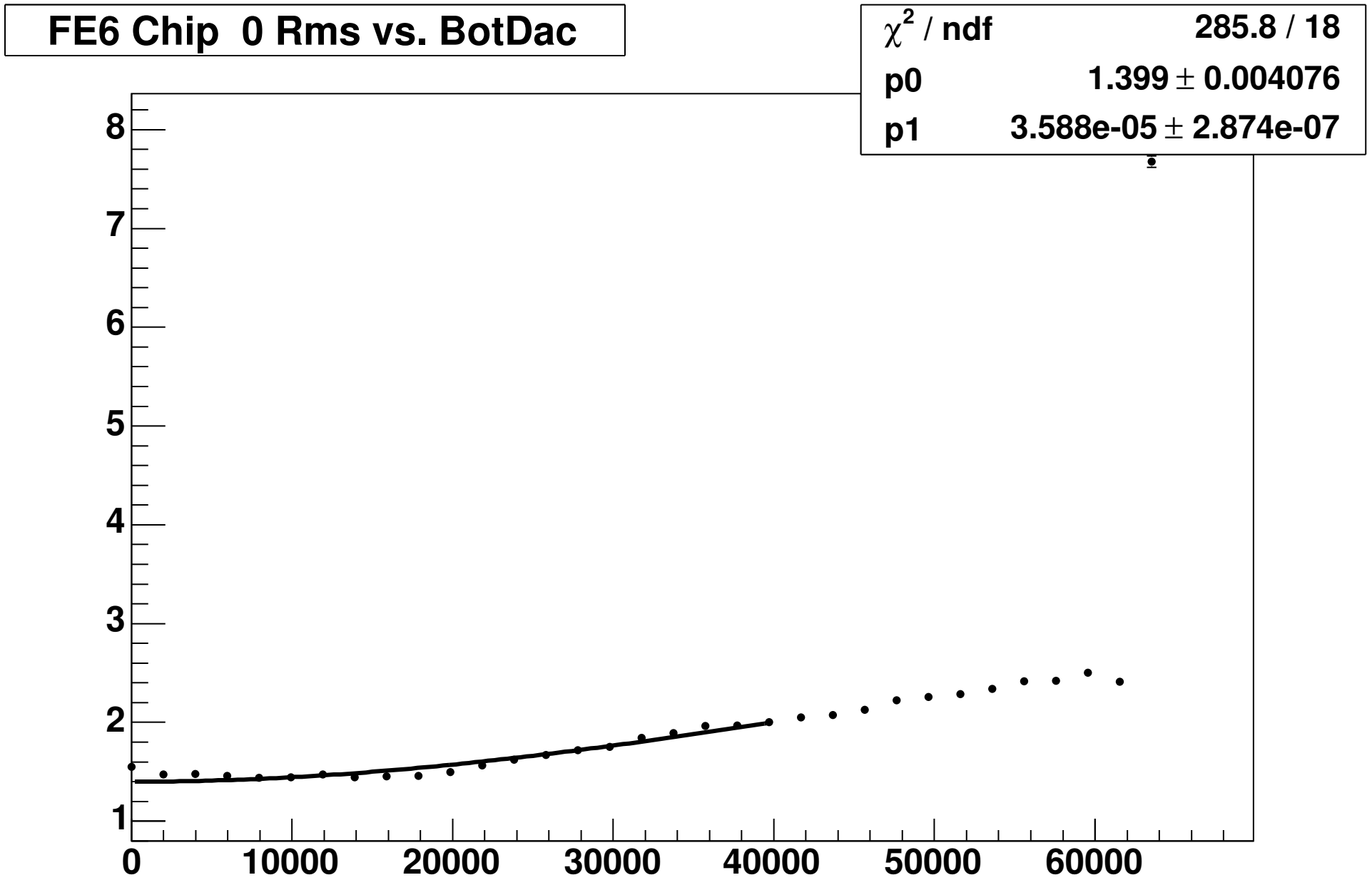

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 170.1 / 18
p0 27.16 ± 0.007435
p1 5.885e-06 ± 3.133e-07
27.4
27.3
27.2
27.1
27
0
10000
20000
30000
40000
50000
60000

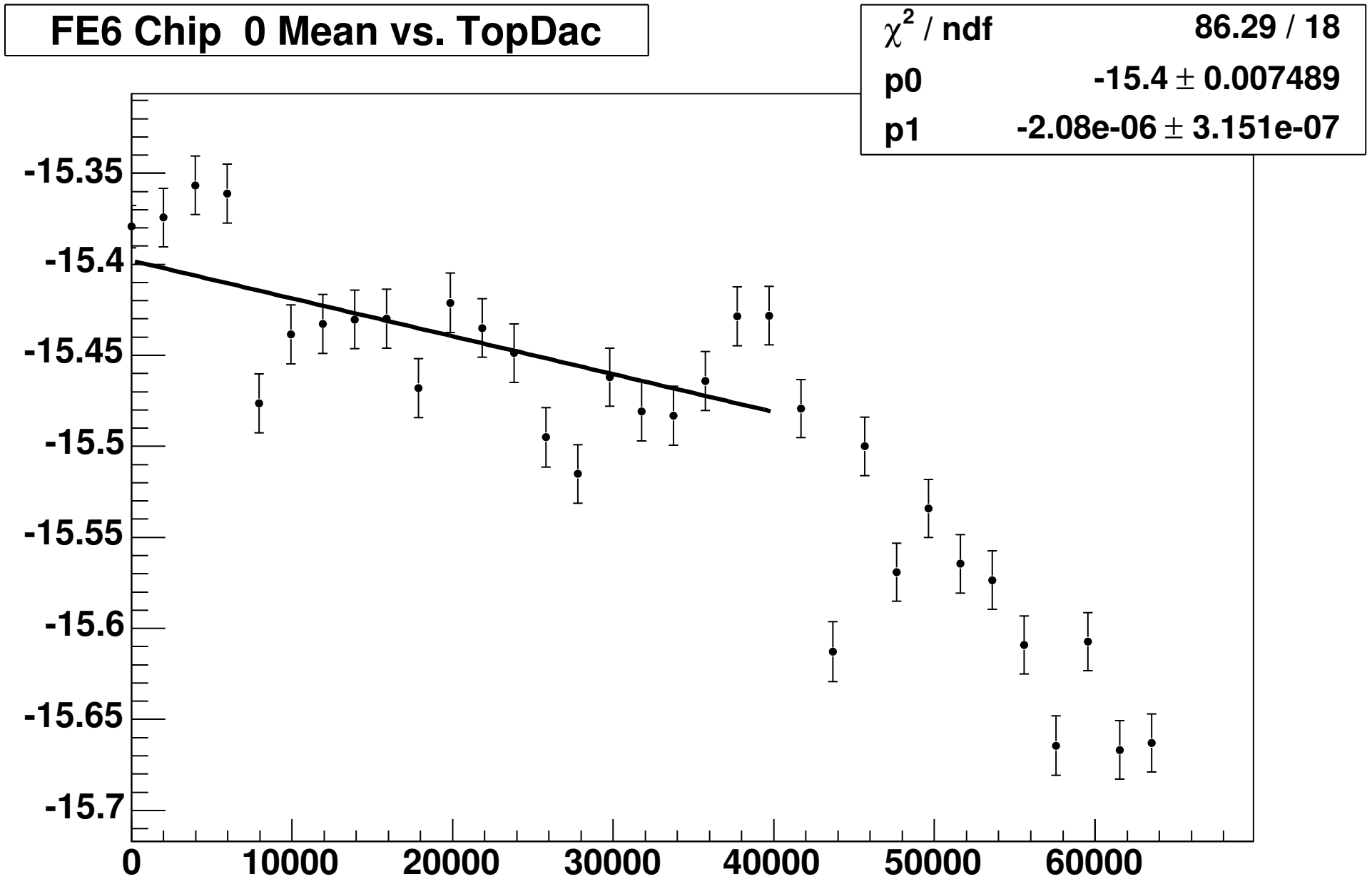

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 12.36 / 18
p0 1.507 ± 0.003876
p1 4.434e-06 ± 1.76e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

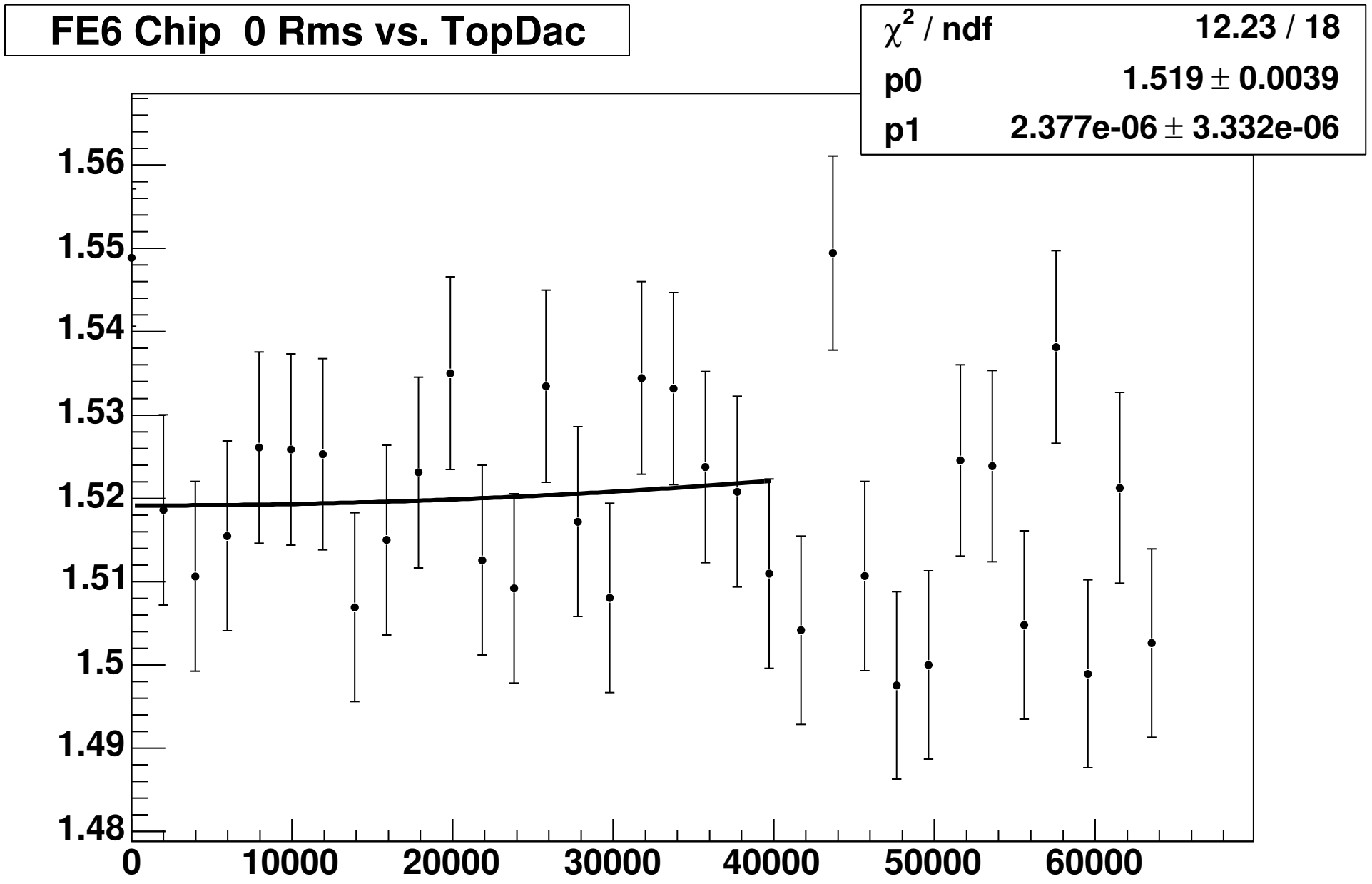

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 4.039e+04 / 18
p0 28.47 ± 0.007411
p1 0.4504 ± 3.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

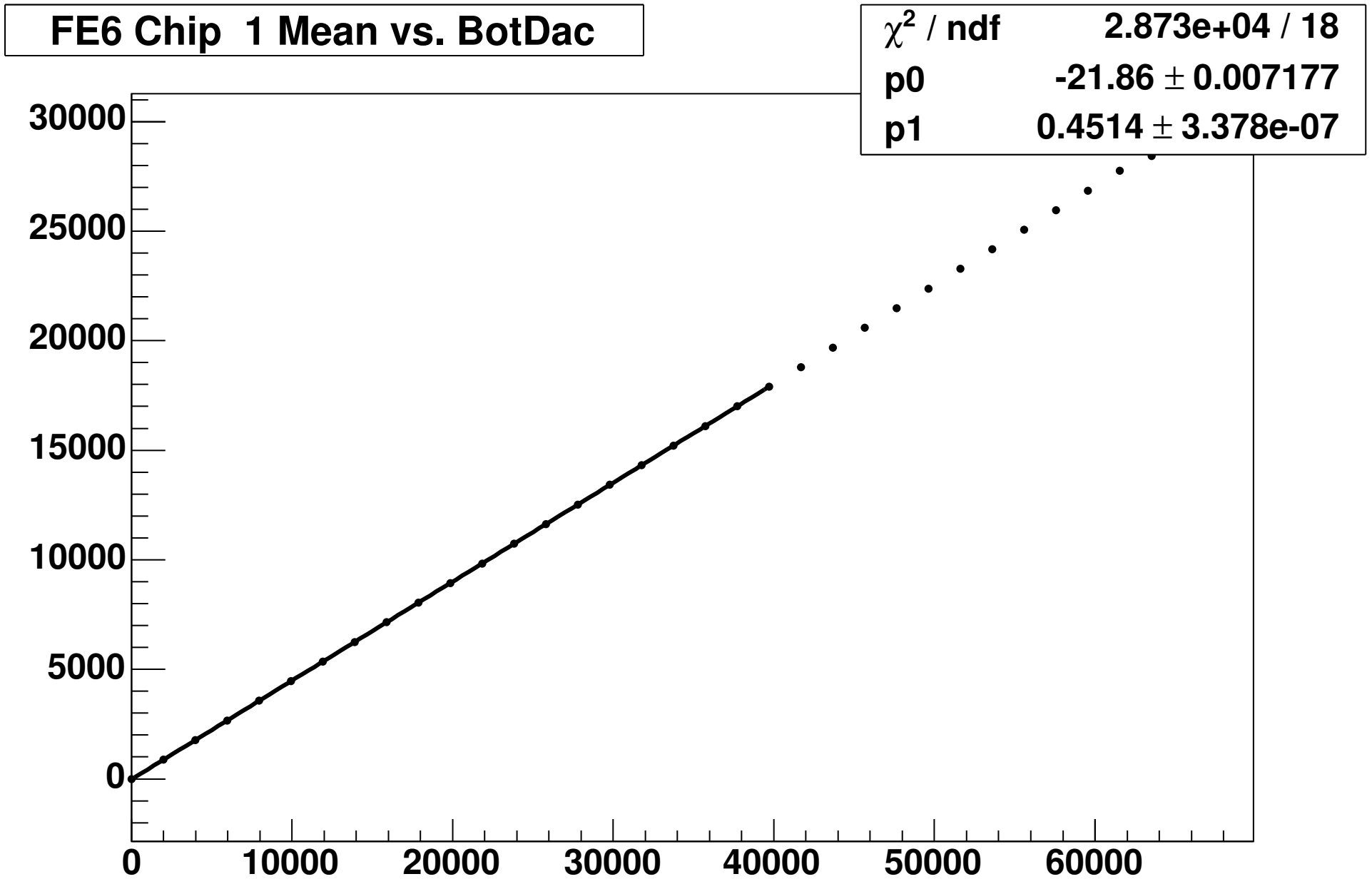

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 524.3 / 18
p0 1.377 ± 0.004
p1 3.426e-05 ± 2.869e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

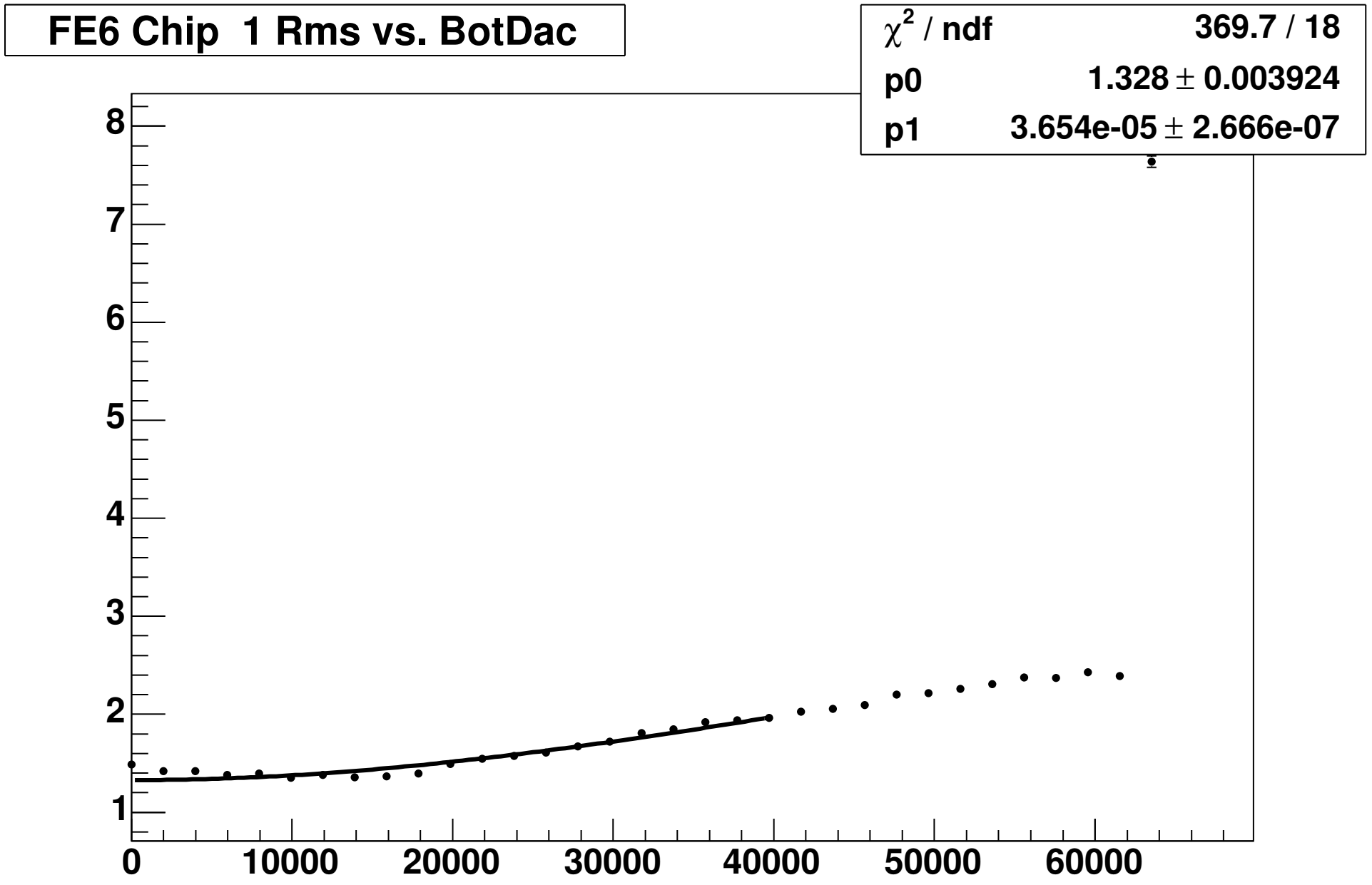

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 4.277e+04 / 18
p0 -18.34 ± 0.007492
p1 0.4514 ± 3.487e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

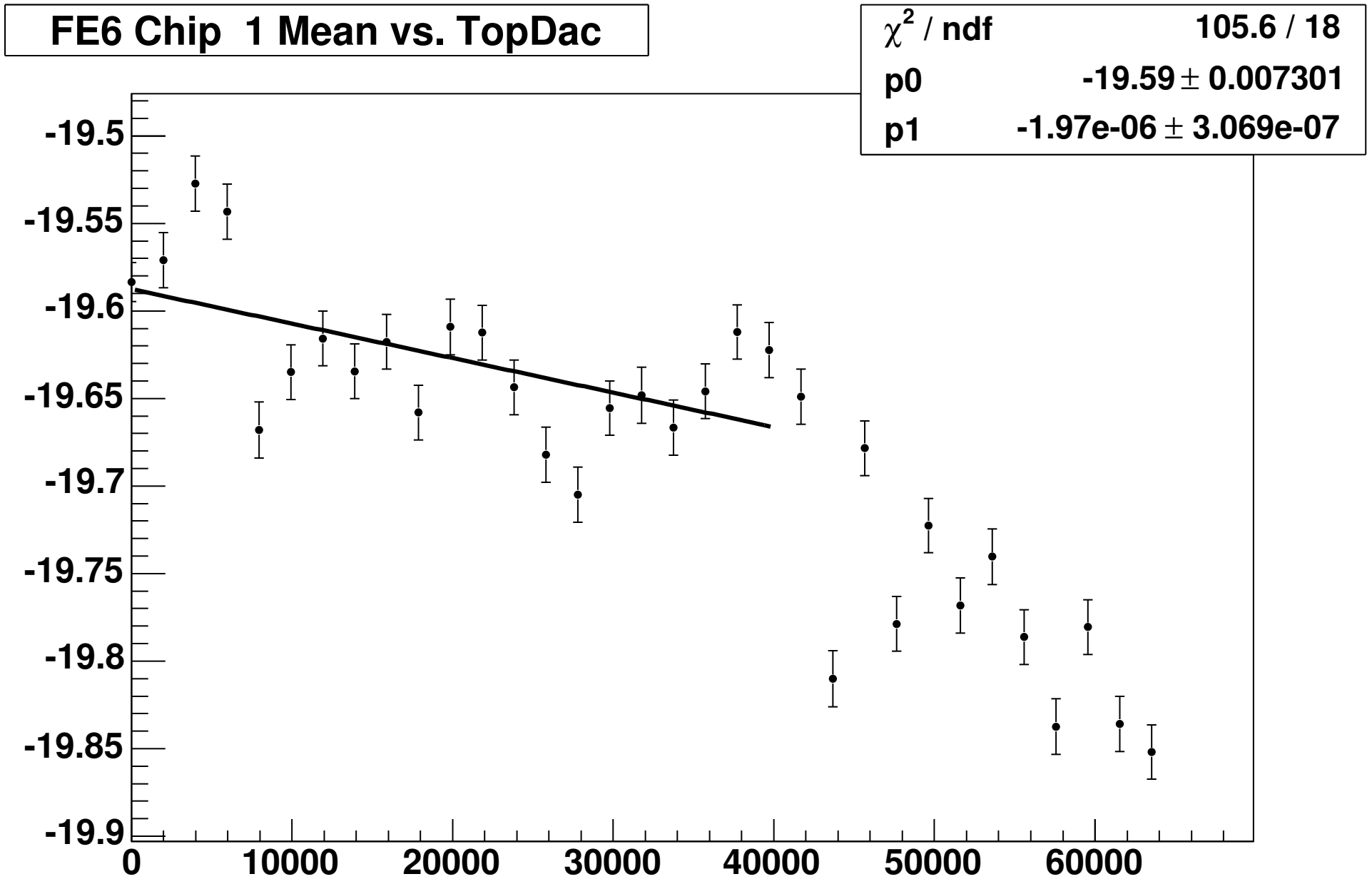

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 285.8 / 18
p0 1.399 ± 0.004076
p1 3.588e-05 ± 2.874e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

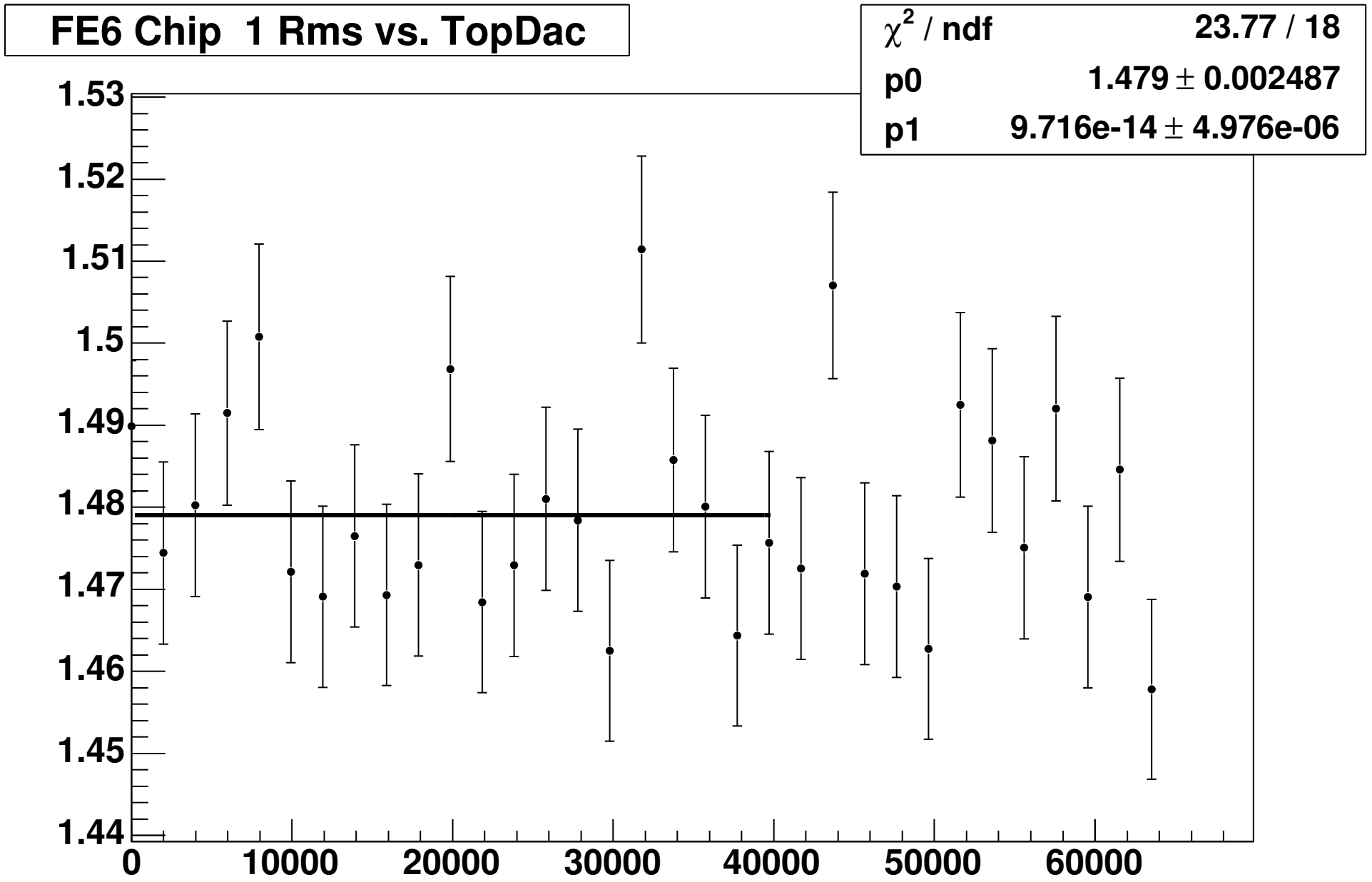

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 86.29 / 18
p0 -15.4 ± 0.007489
p1 -2.08e-06 ± 3.151e-07
-15.35
-15.4
-15.45
-15.5
-15.55
-15.6
-15.65
-15.7
0
10000
20000
30000
40000
50000
60000

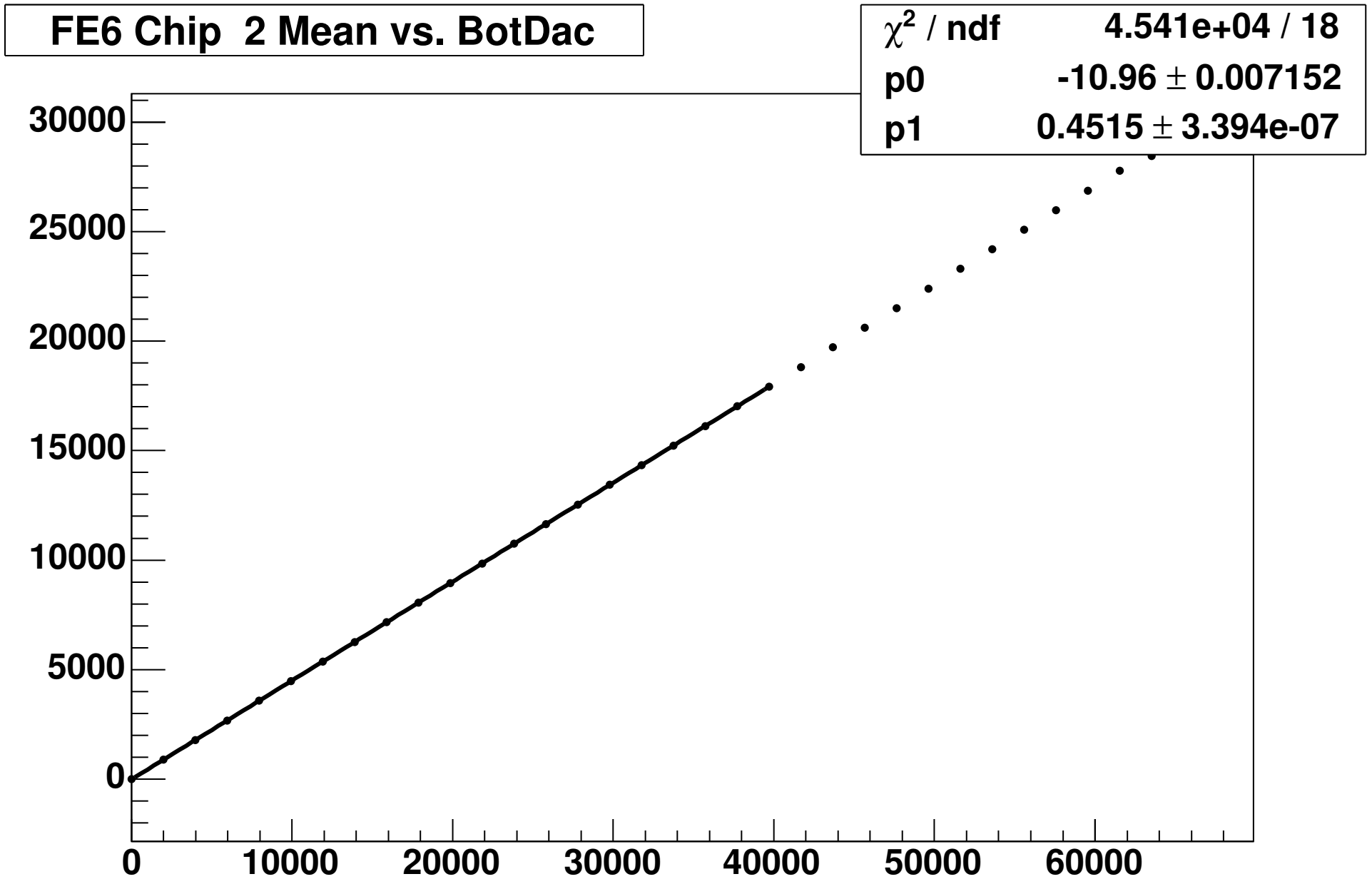

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 12.23 / 18
p0 1.519 ± 0.0039
p1 2.377e-06 ± 3.332e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

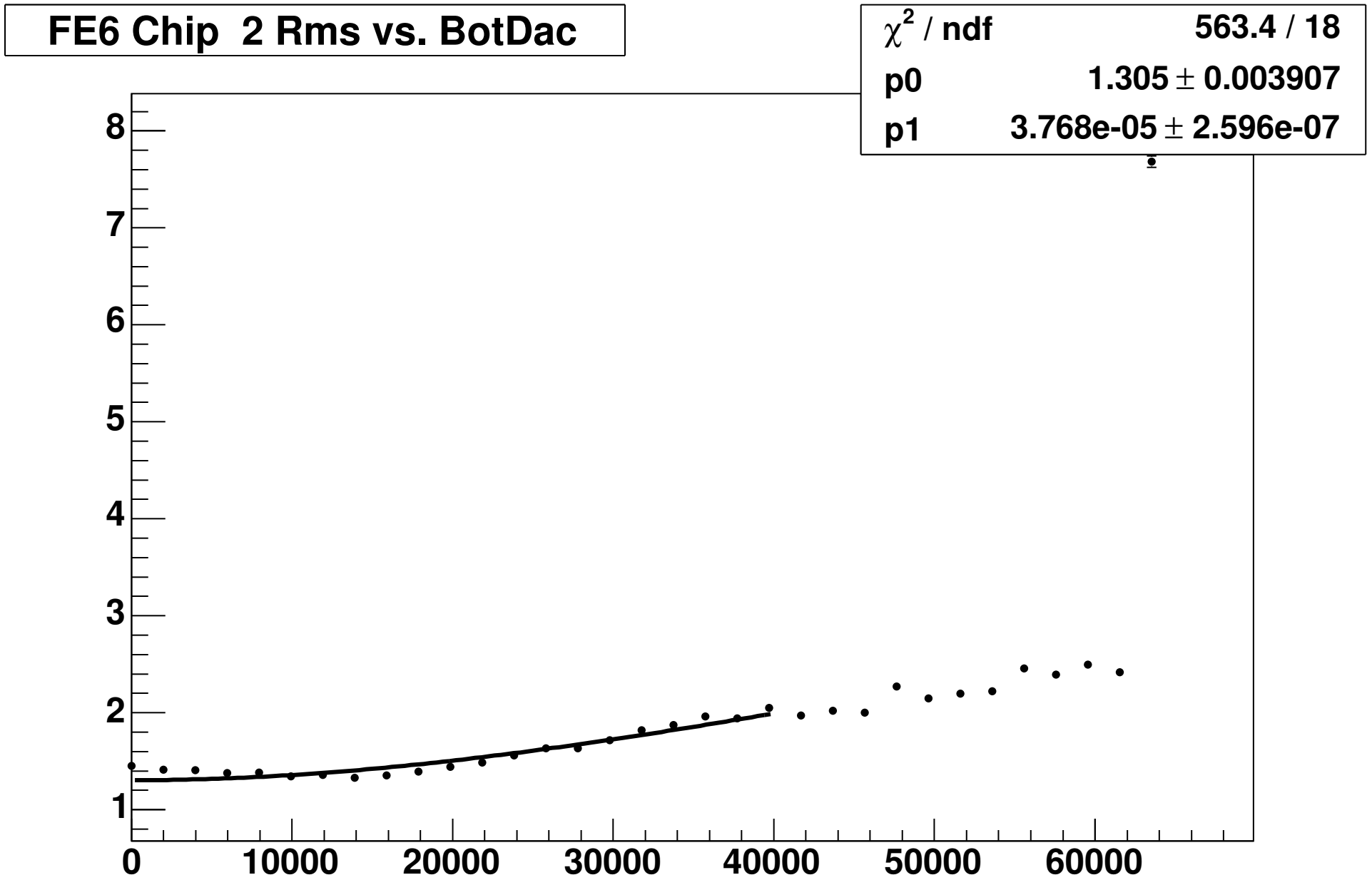

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 2.873e+04 / 18
p0 -21.86 ± 0.007177
p1 0.4514 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

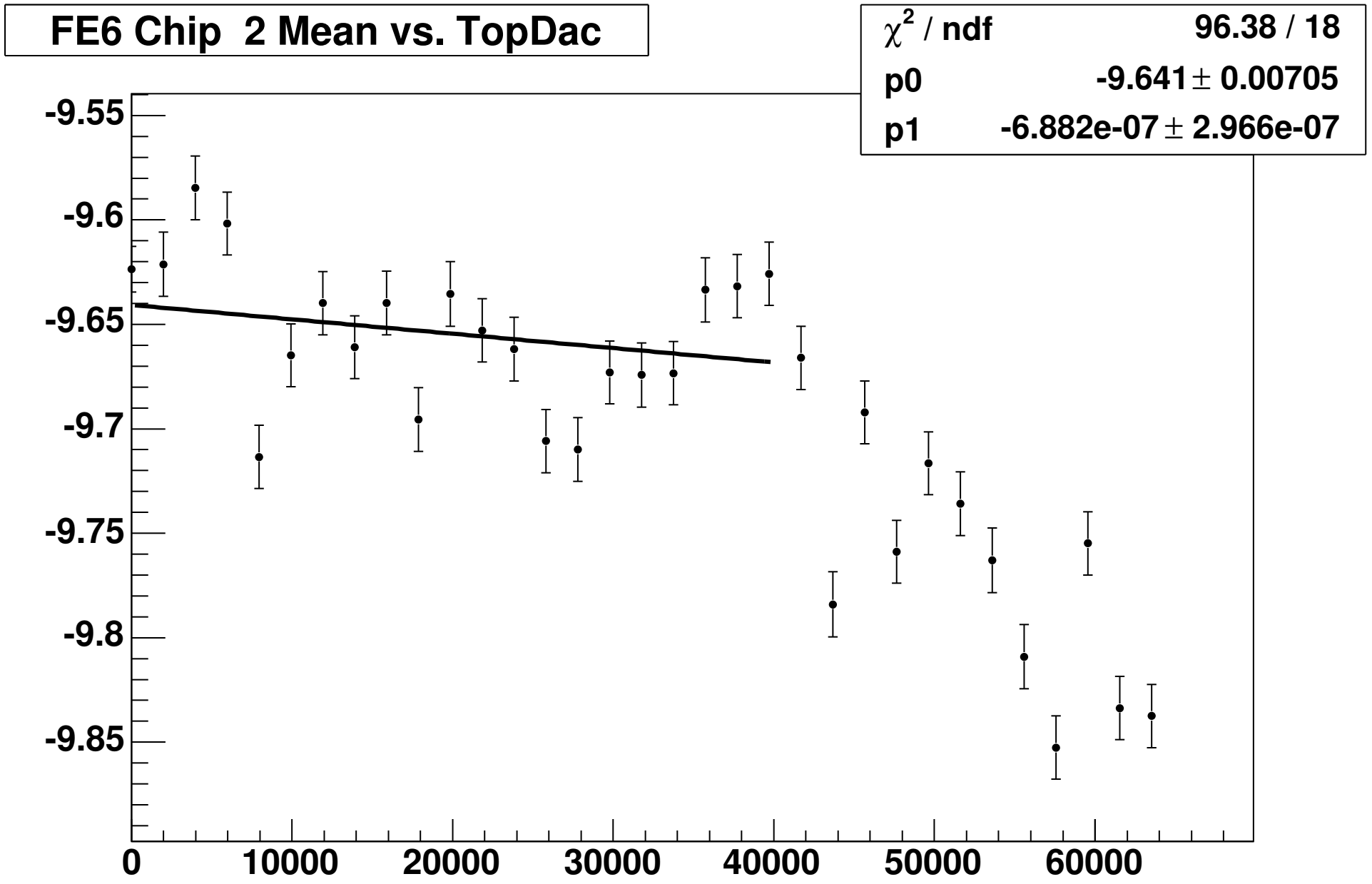

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 369.7 / 18
p0 1.328 ± 0.003924
p1 3.654e-05 ± 2.666e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 105.6 / 18
p0 -19.59 ± 0.007301
p1 -1.97e-06 ± 3.069e-07
-19.5
-19.55
-19.6
-19.65
-19.7
-19.75
-19.8
-19.85
-19.9
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 23.77 / 18
p0 1.479 ± 0.002487
p1 9.716e-14 ± 4.976e-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


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 4.541e+04 / 18
p0 -10.96 ± 0.007152
p1 0.4515 ± 3.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 563.4 / 18
p0 1.305 ± 0.003907
p1 3.768e-05 ± 2.596e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 96.38 / 18
p0 -9.641 ± 0.00705
p1 -6.882e-07 ± 2.966e-07
-9.55
-9.6
-9.65
-9.7
-9.75
-9.8
-9.85
0
10000
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30000
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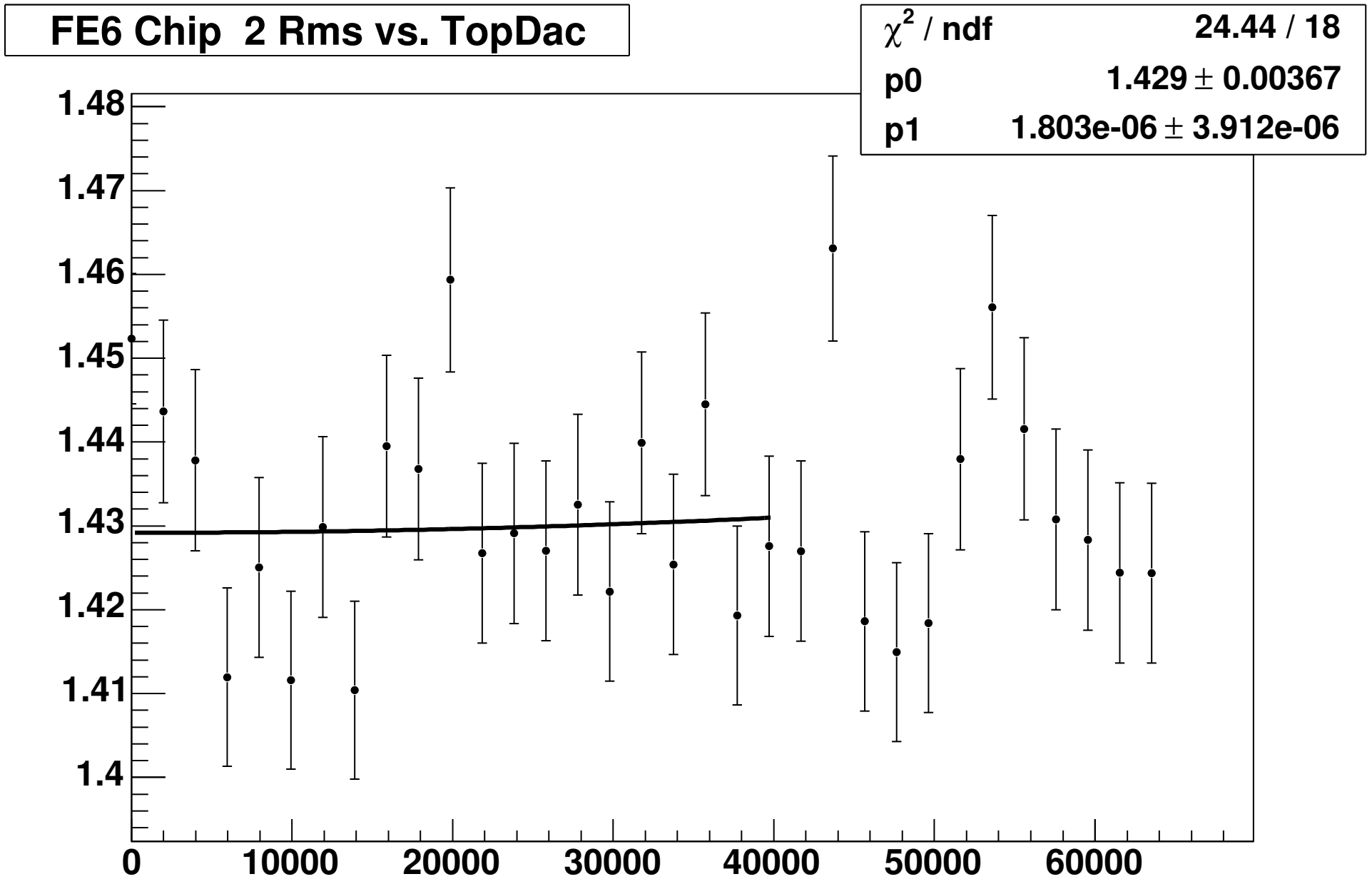
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 24.44 / 18
p0 1.429 ± 0.00367
p1 1.803e-06 ± 3.912e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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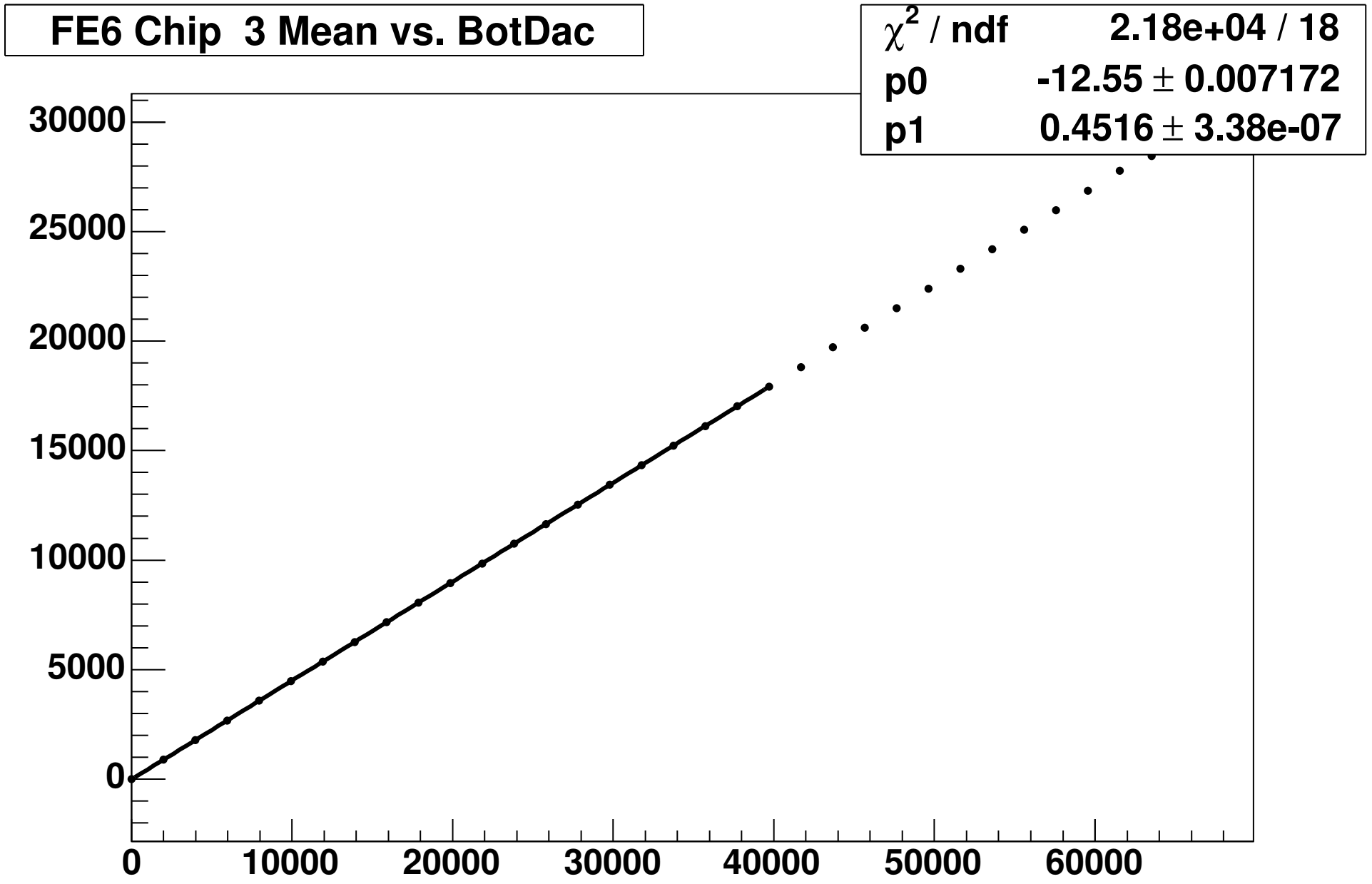
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 2.18e+04 / 18
p0 -12.55 ± 0.007172
p1 0.4516 ± 3.38e-07
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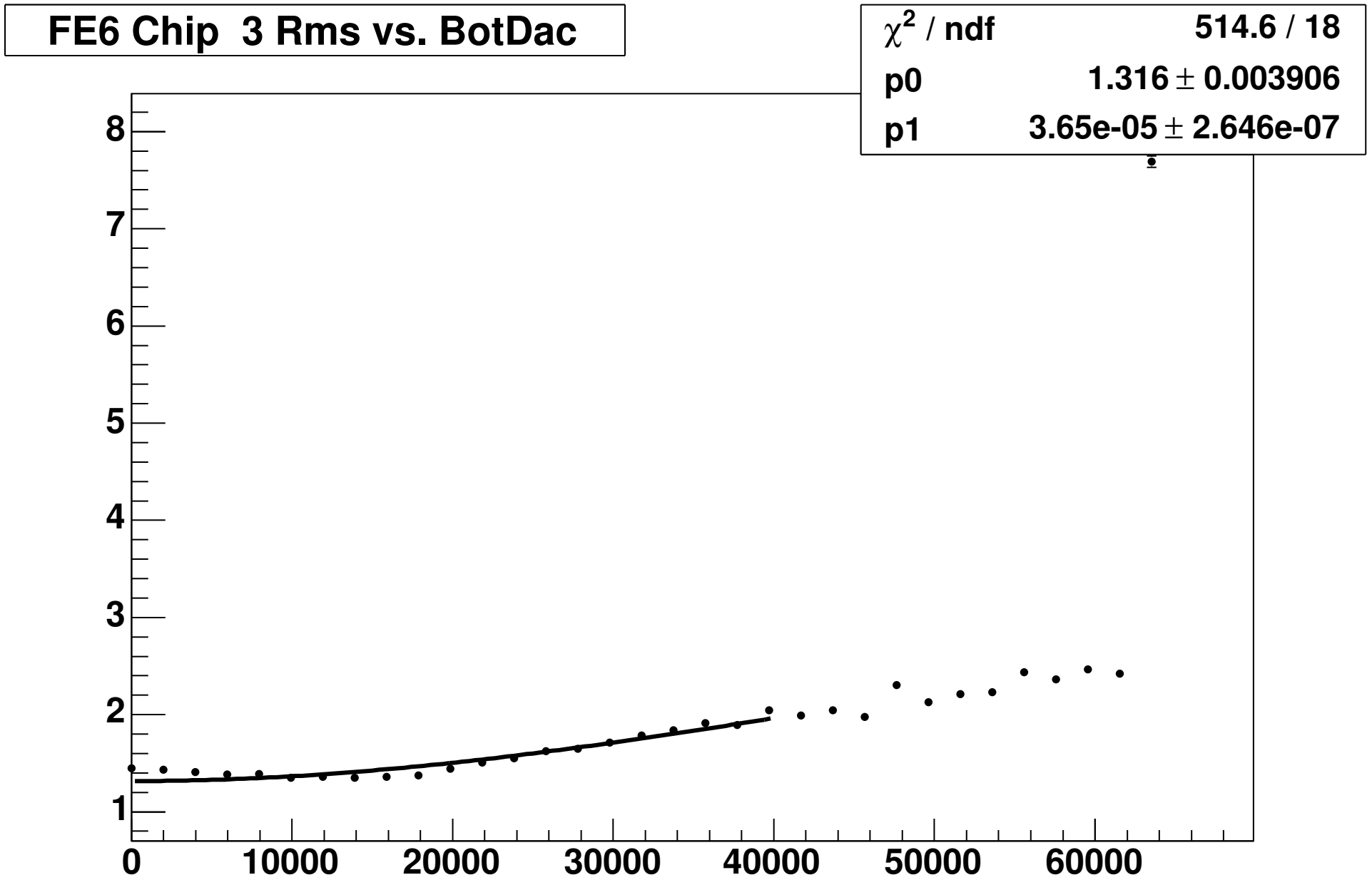
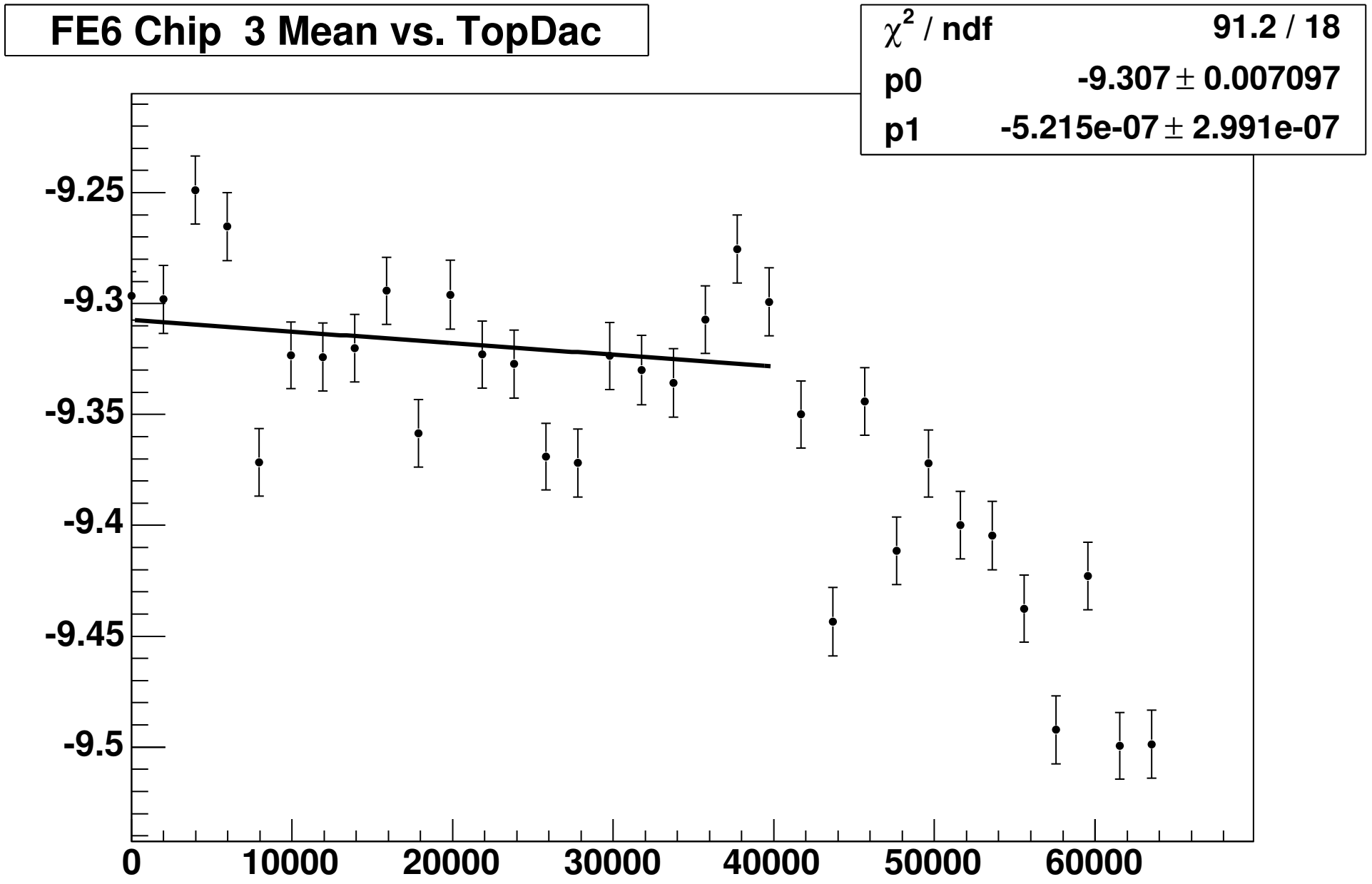
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 514.6 / 18
p0 1.316 ± 0.003906
p1 3.65e-05 ± 2.646e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Mean vs. TopDac
χ^2 / ndf 91.2 / 18
p0 -9.307 ± 0.007097
p1 -5.215e-07 ± 2.991e-07
-9.25
-9.3
-9.35
-9.4
-9.45
-9.5
0
10000
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30000
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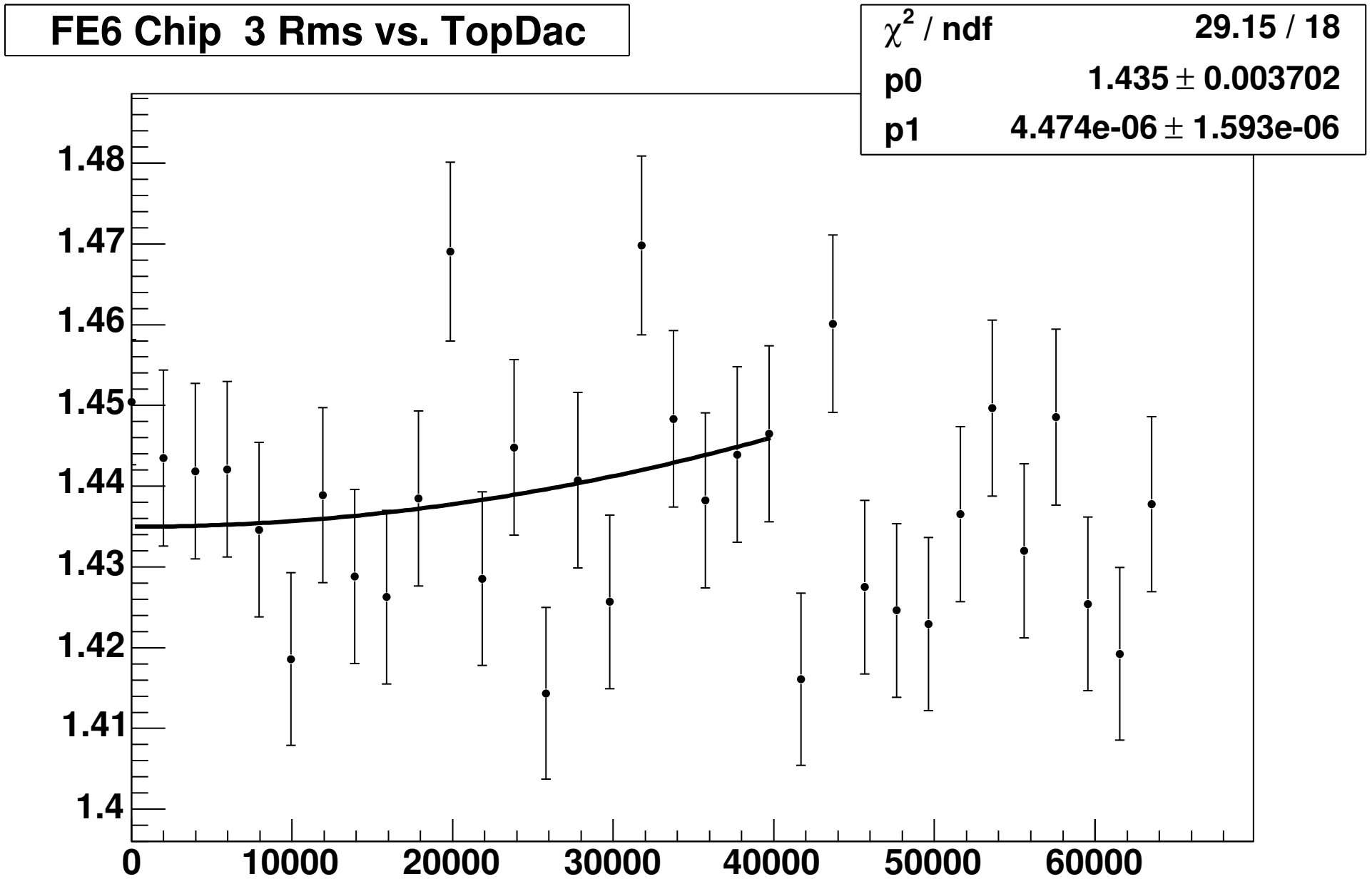
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 29.15 / 18
p0 1.435 ± 0.003702
p1 4.474e-06 ± 1.593e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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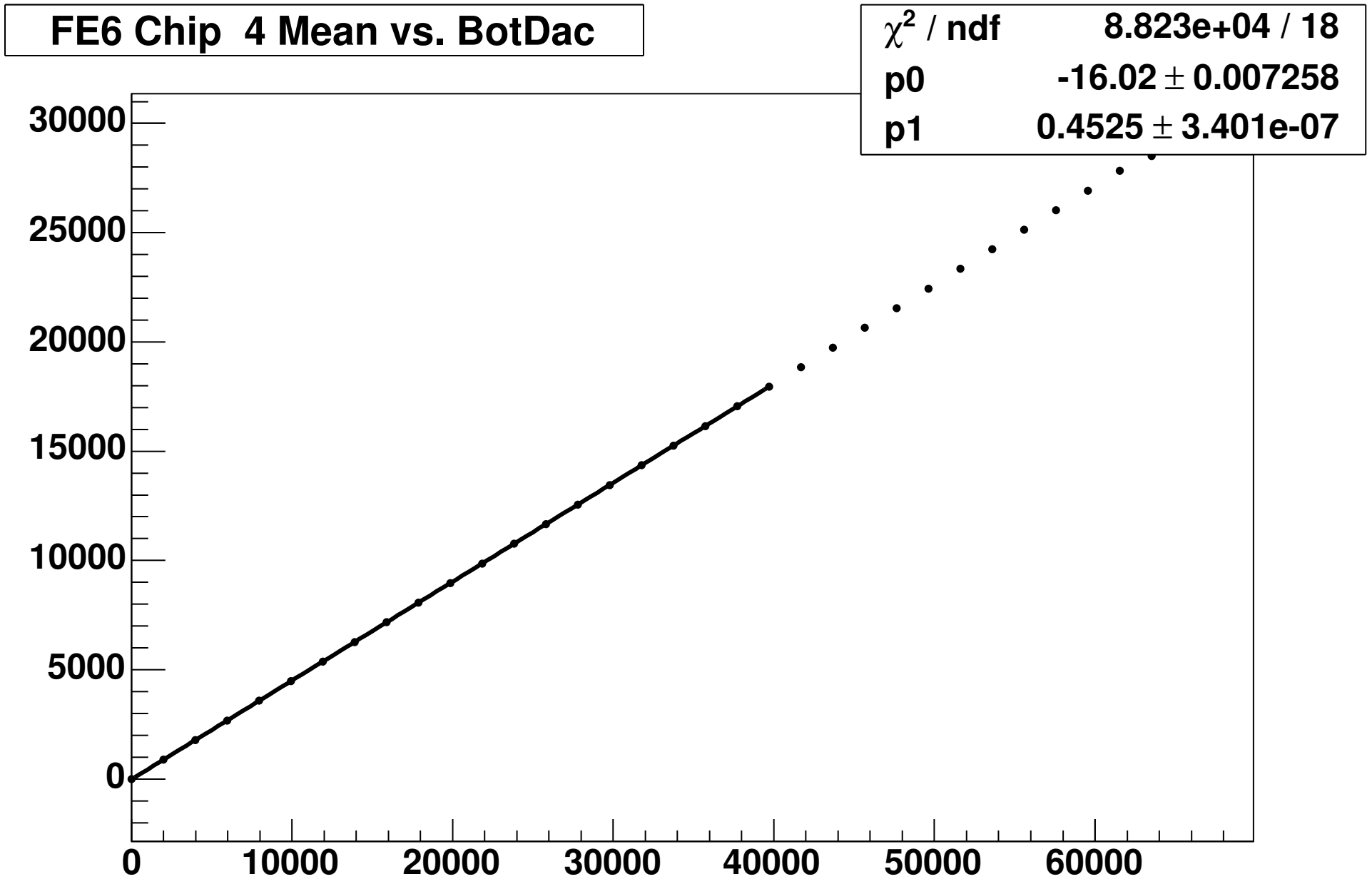
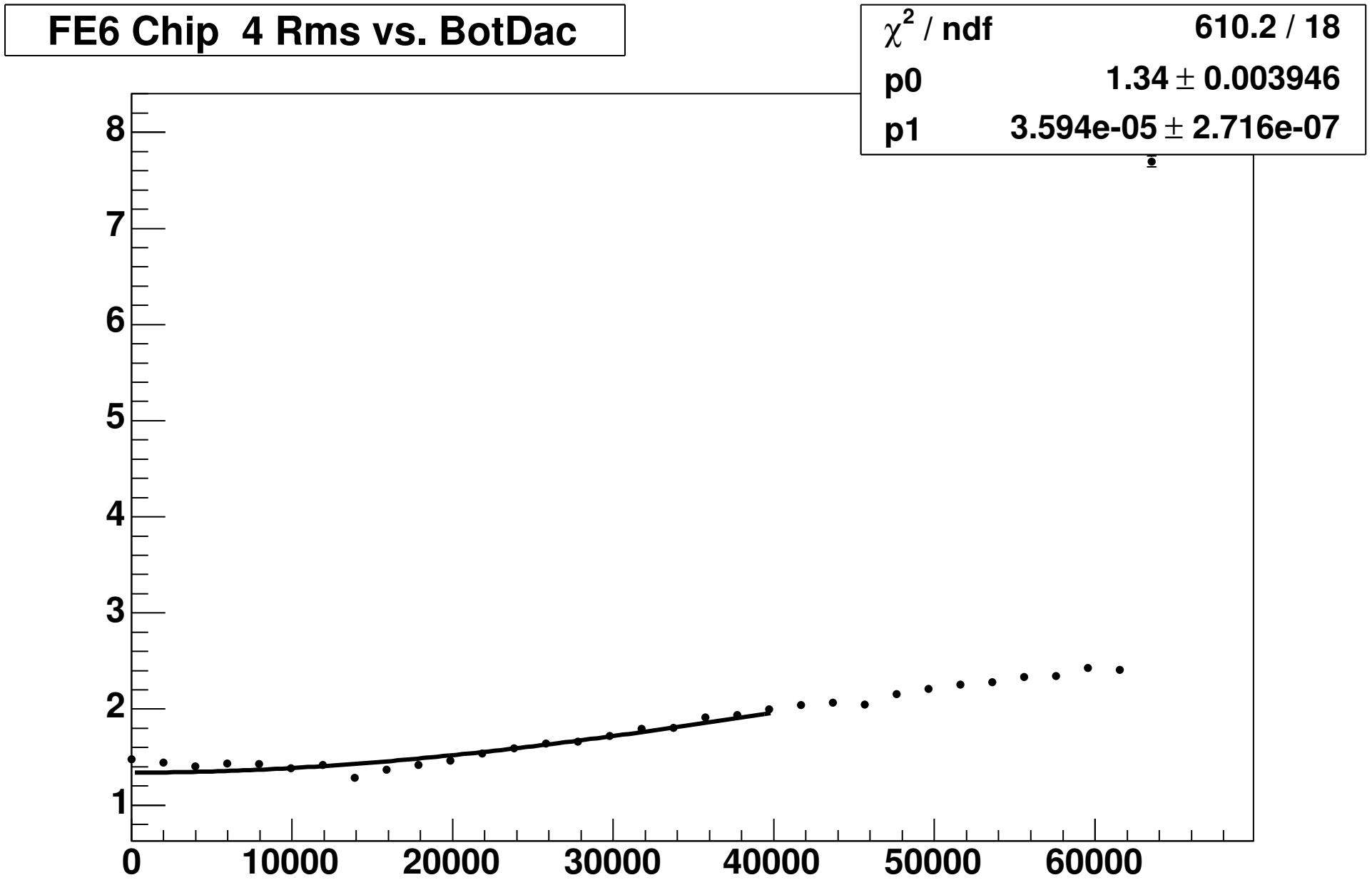
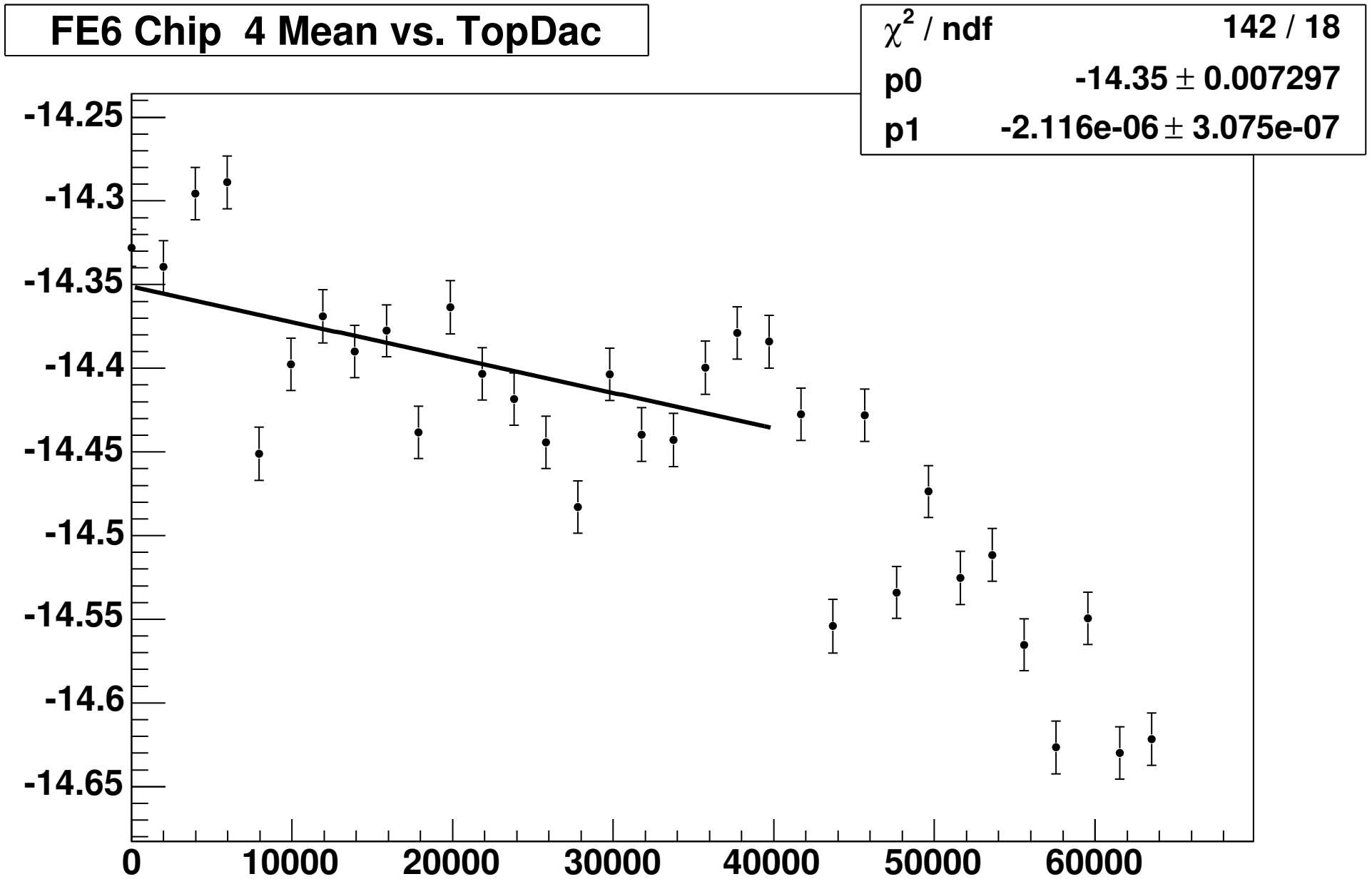
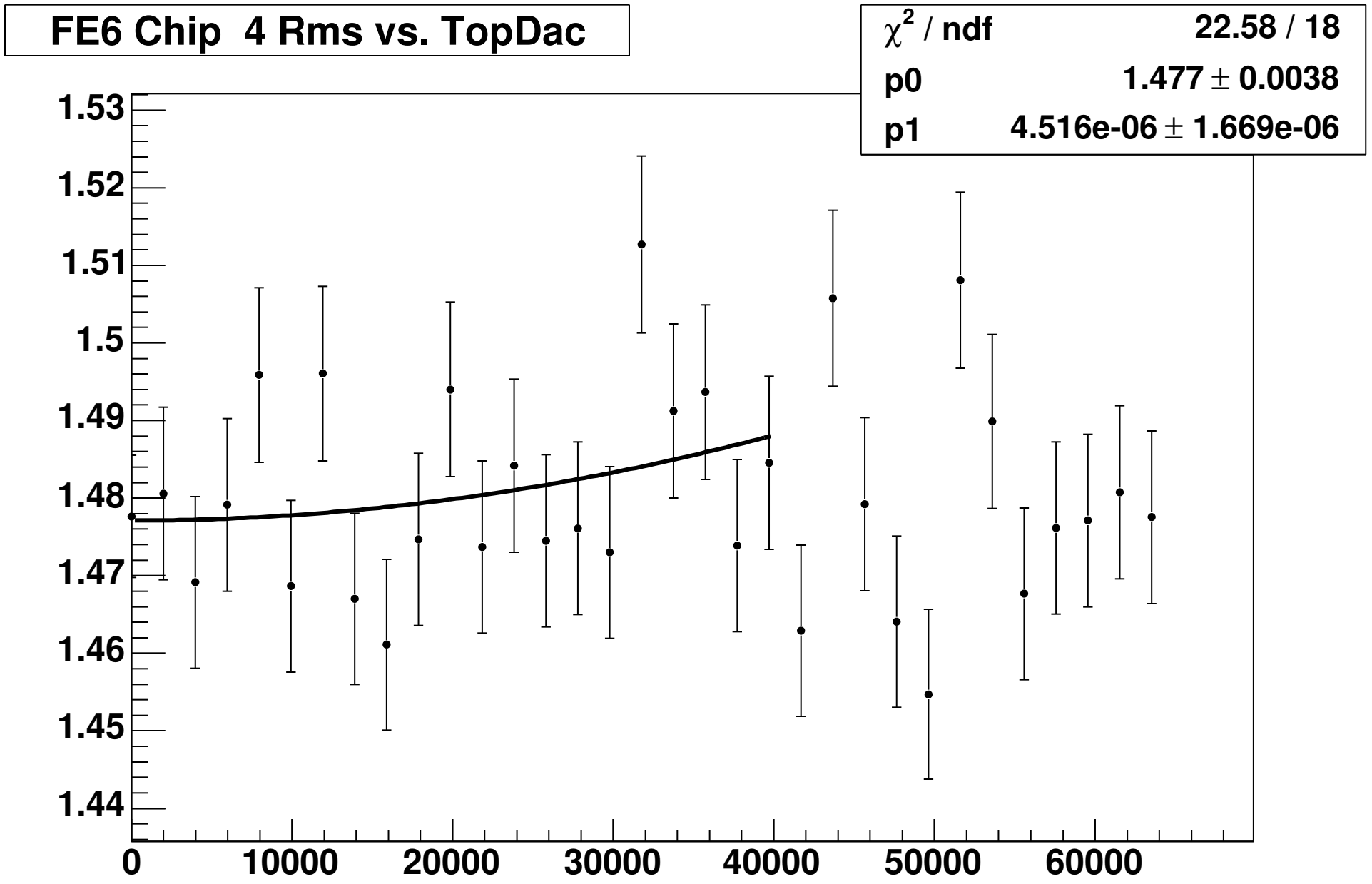
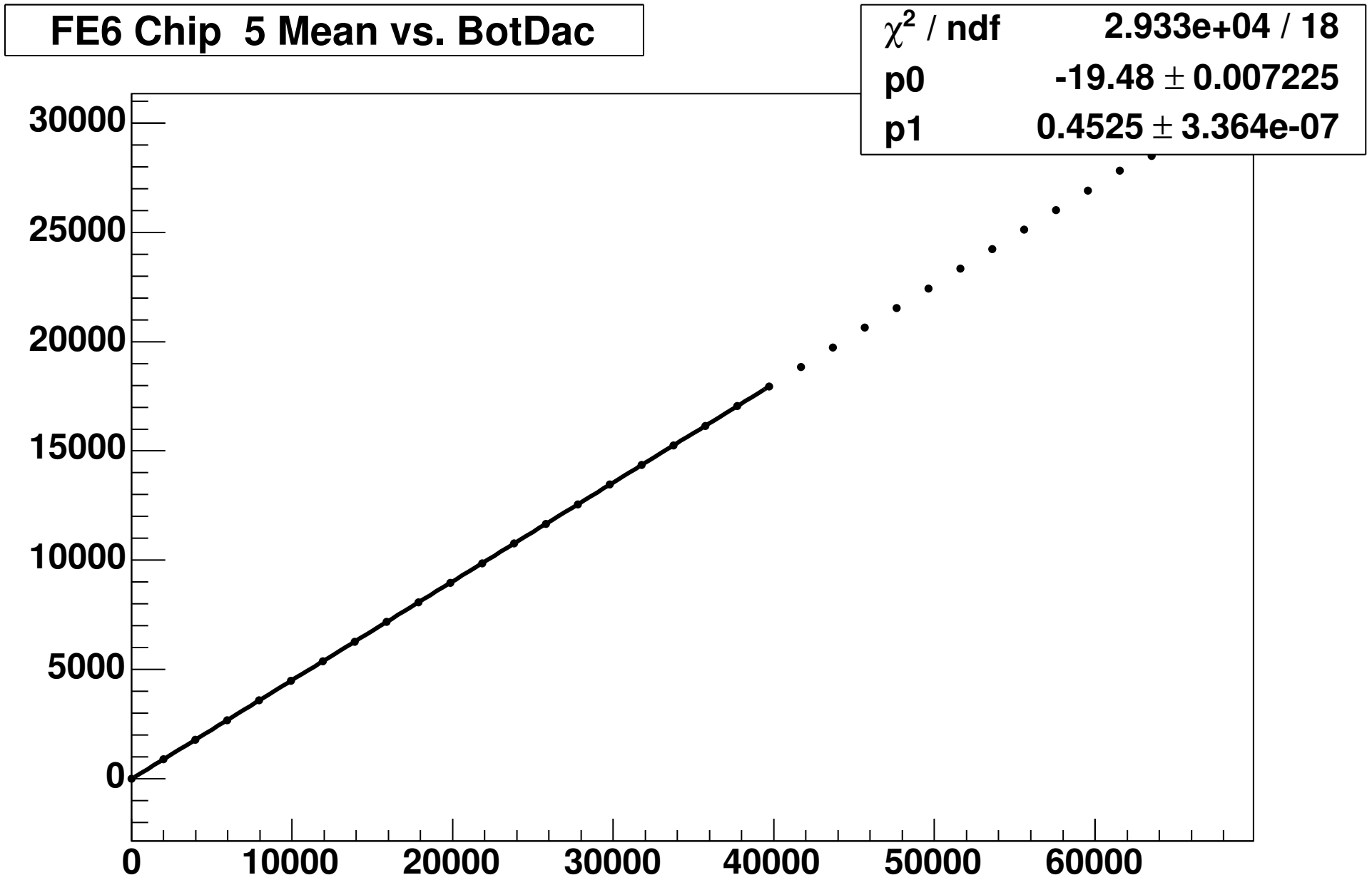
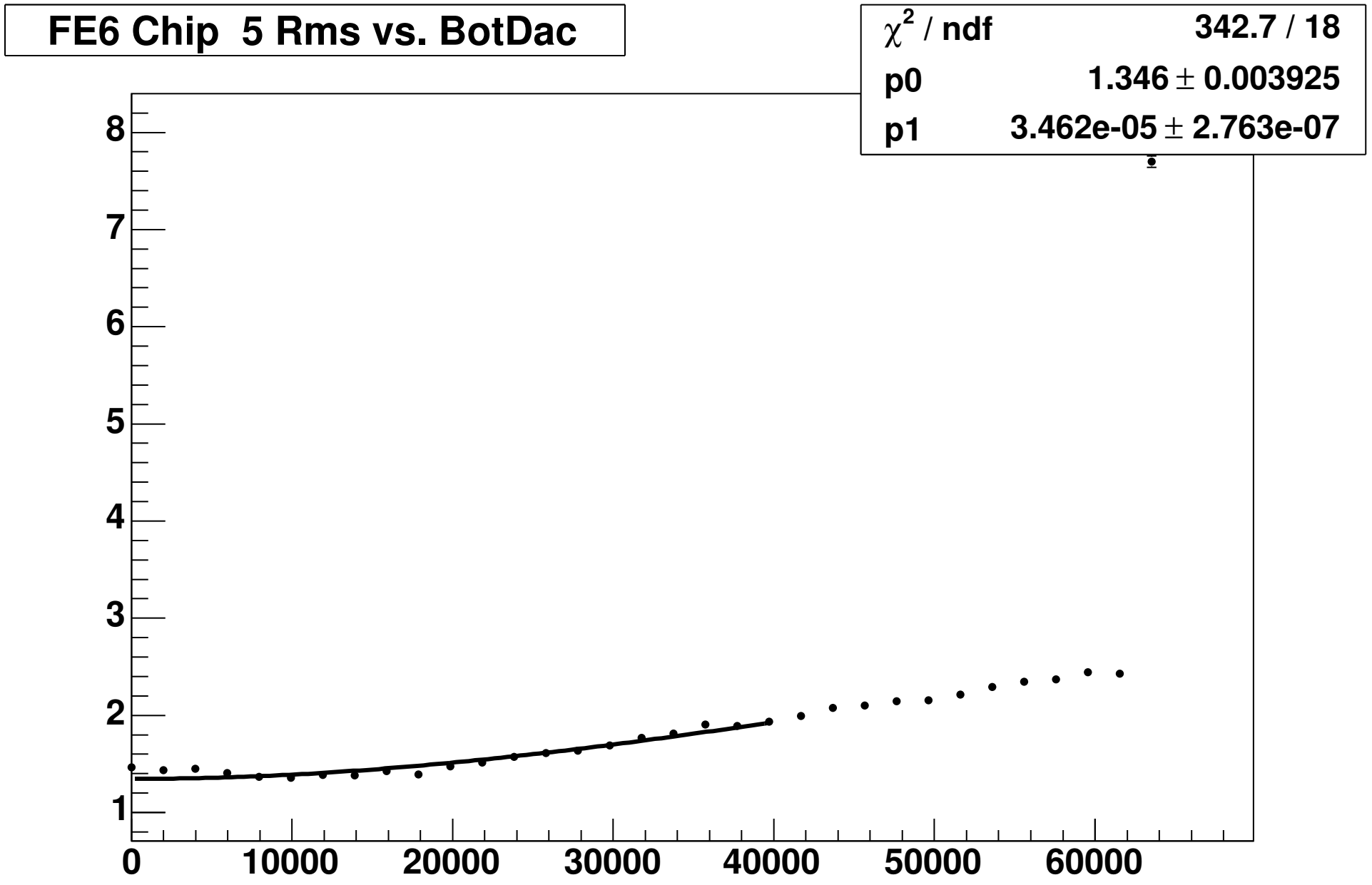

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 8.823e+04 / 18
p0 -16.02 ± 0.007258
p1 0.4525 ± 3.401e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

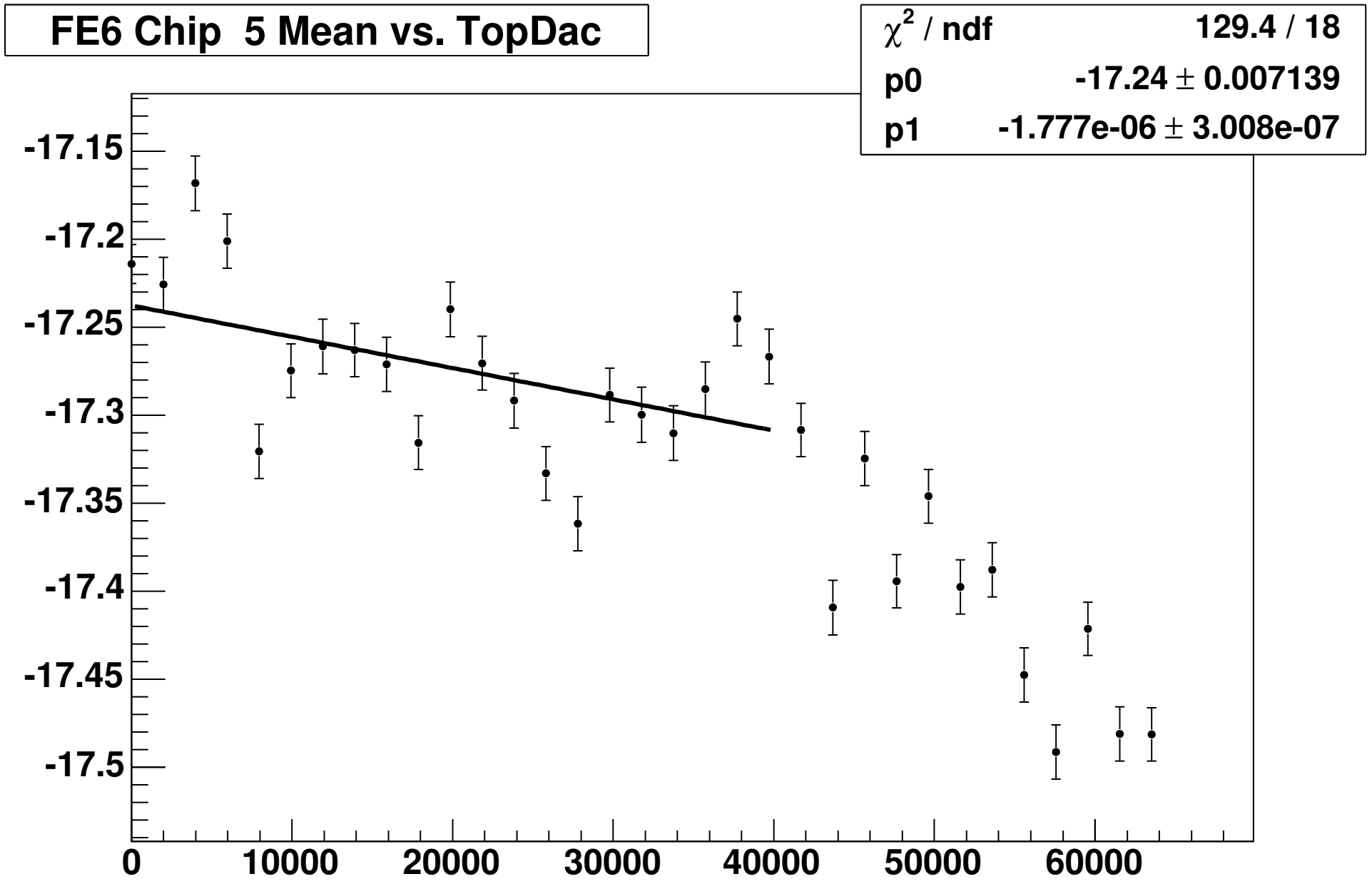

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 610.2 / 18
p0 1.34 ± 0.003946
p1 3.594e-05 ± 2.716e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

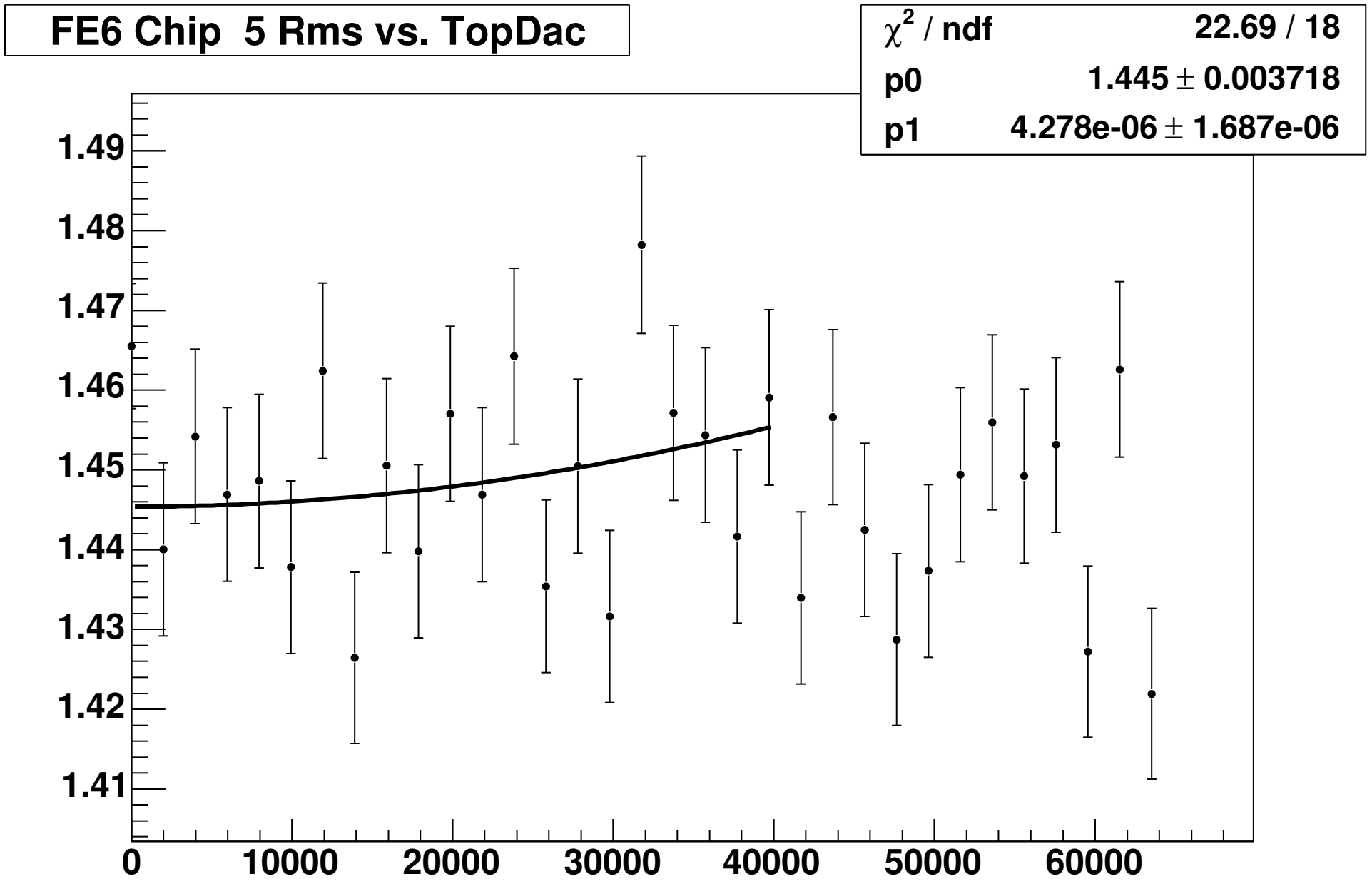

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 142 / 18
p0 -14.35 ± 0.007297
p1 -2.116e-06 ± 3.075e-07
-14.25
-14.3
-14.35
-14.4
-14.45
-14.5
-14.55
-14.6
-14.65
0
10000
20000
30000
40000
50000
60000

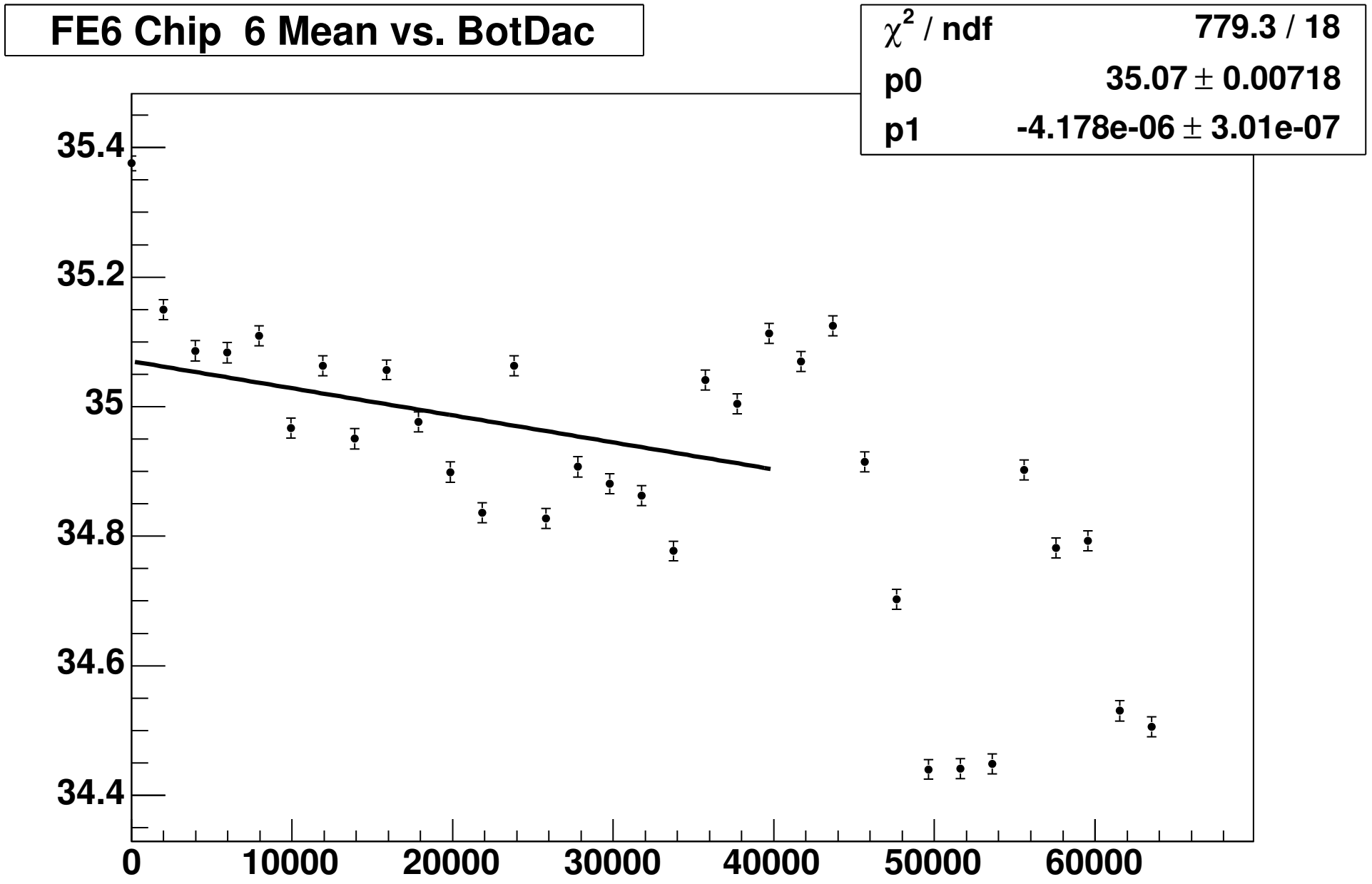

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 22.58 / 18
p0 1.477 ± 0.0038
p1 4.516e-06 ± 1.669e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

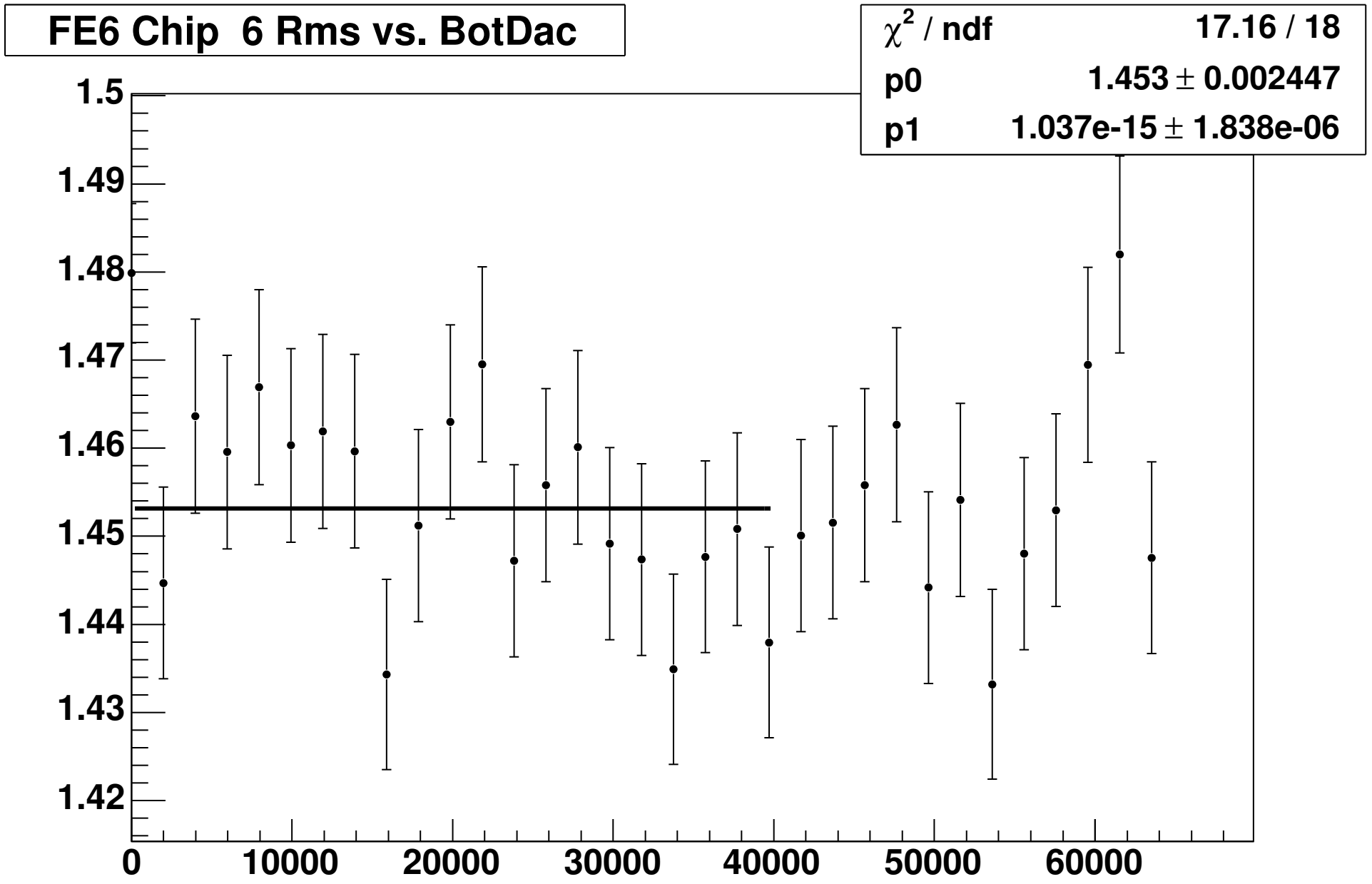

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 2.933e+04 / 18
p0 -19.48 ± 0.007225
p1 0.4525 ± 3.364e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

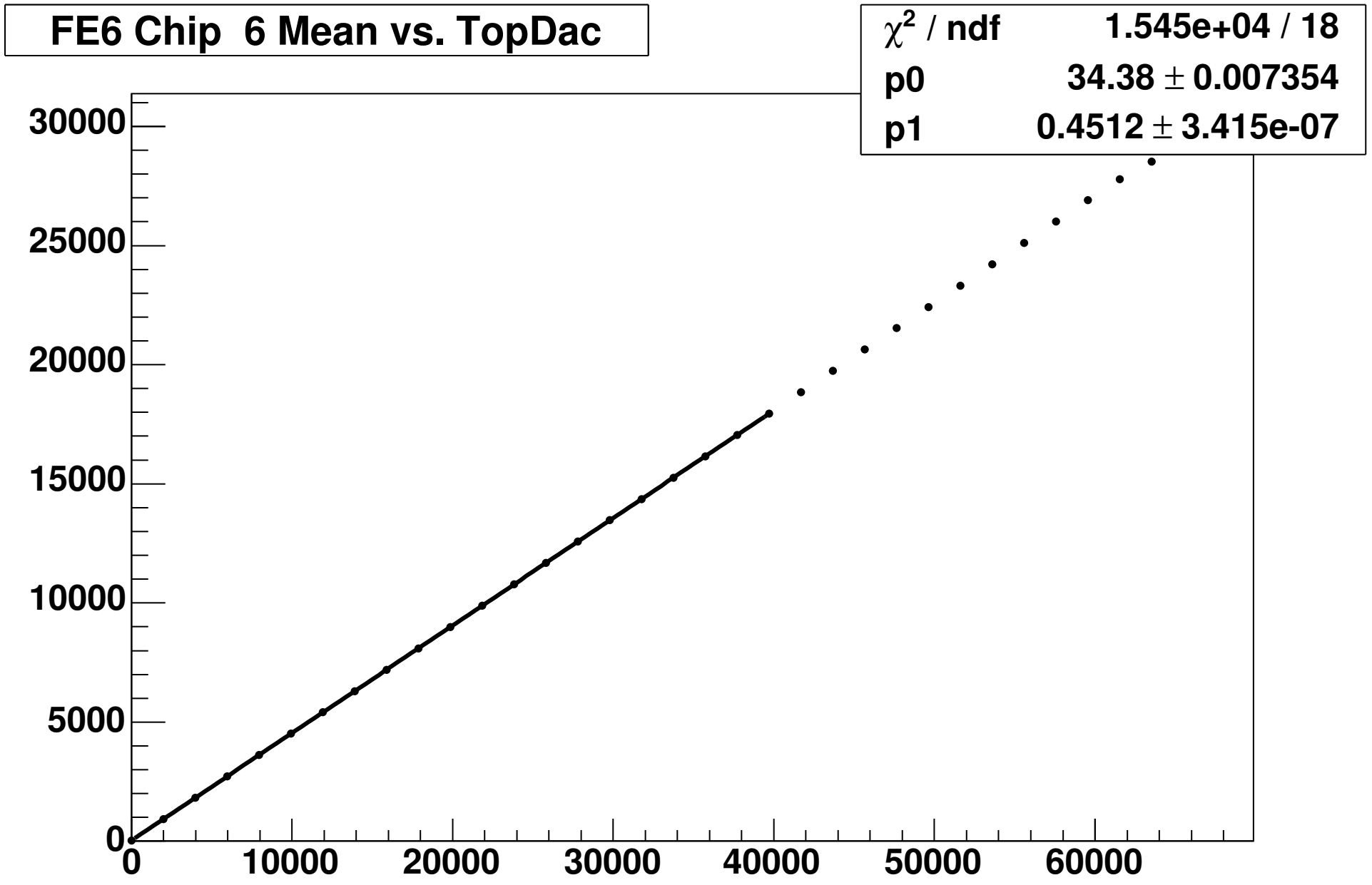

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 342.7 / 18
p0 1.346 ± 0.003925
p1 3.462e-05 ± 2.763e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

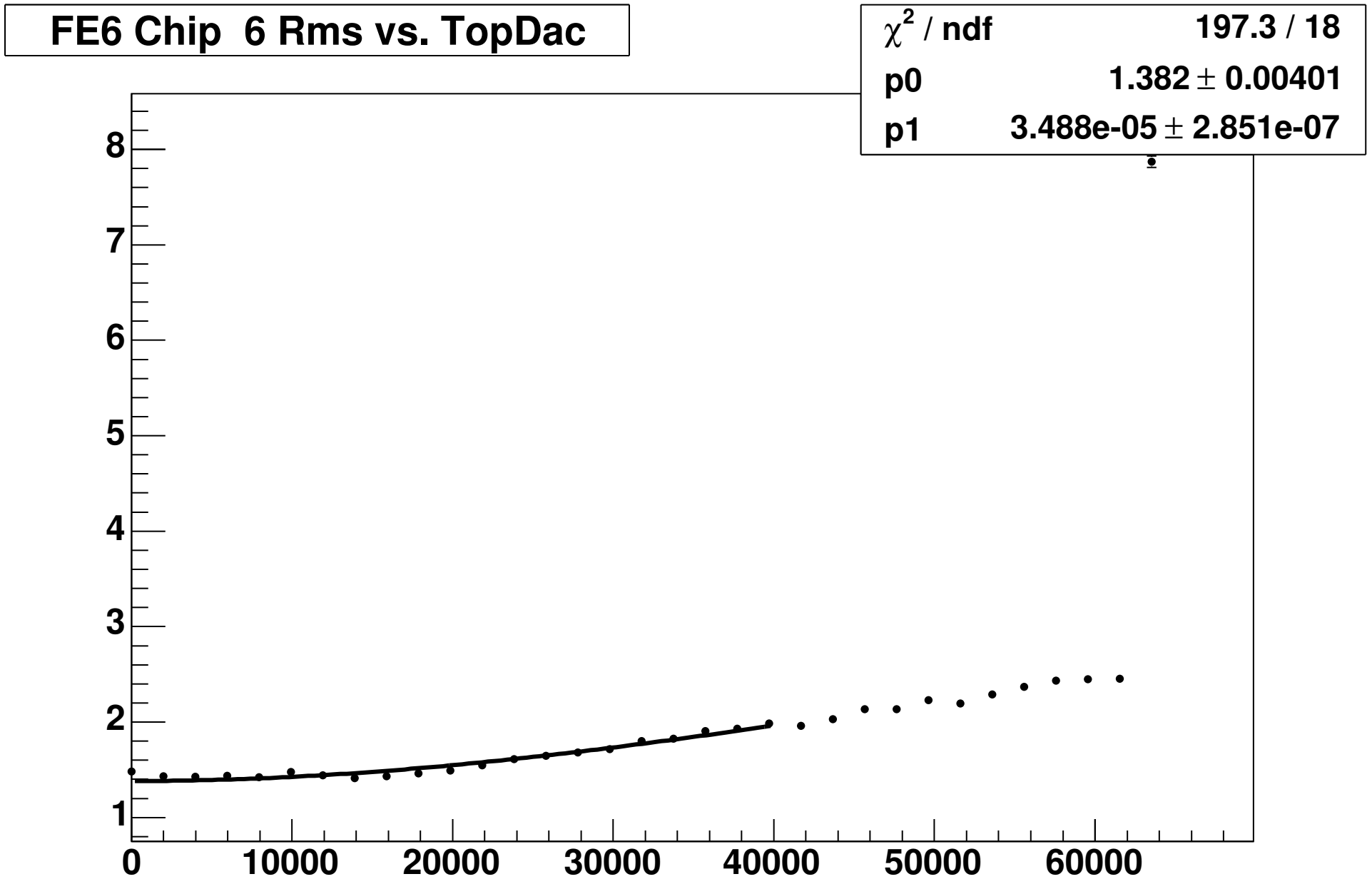

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 129.4 / 18
p0 -17.24 ± 0.007139
p1 -1.777e-06 ± 3.008e-07
-17.15
-17.2
-17.25
-17.3
-17.35
-17.4
-17.45
-17.5
0
10000
20000
30000
40000
50000
60000

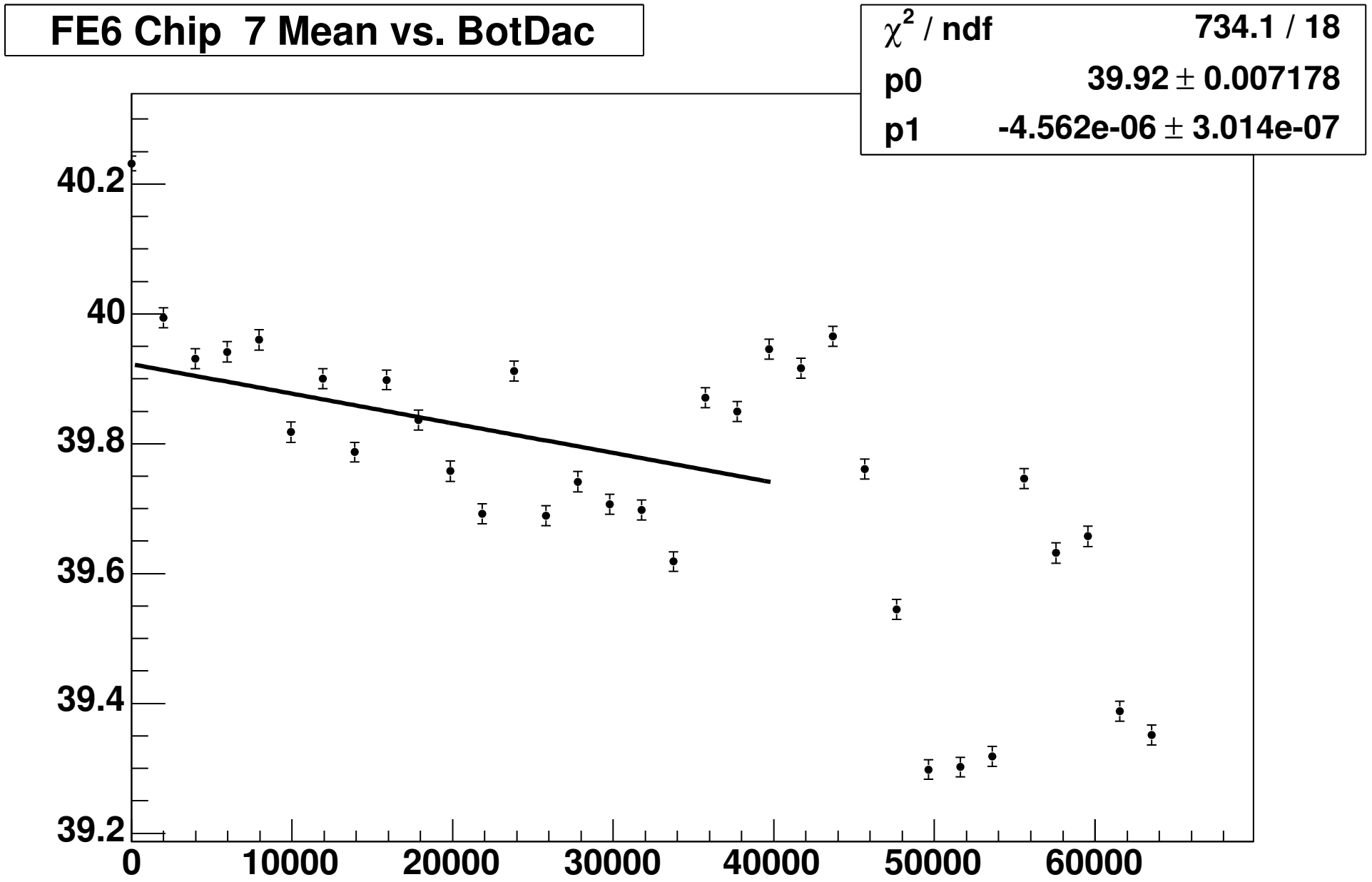

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 22.69 / 18
p0 1.445 ± 0.003718
p1 4.278e-06 ± 1.687e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

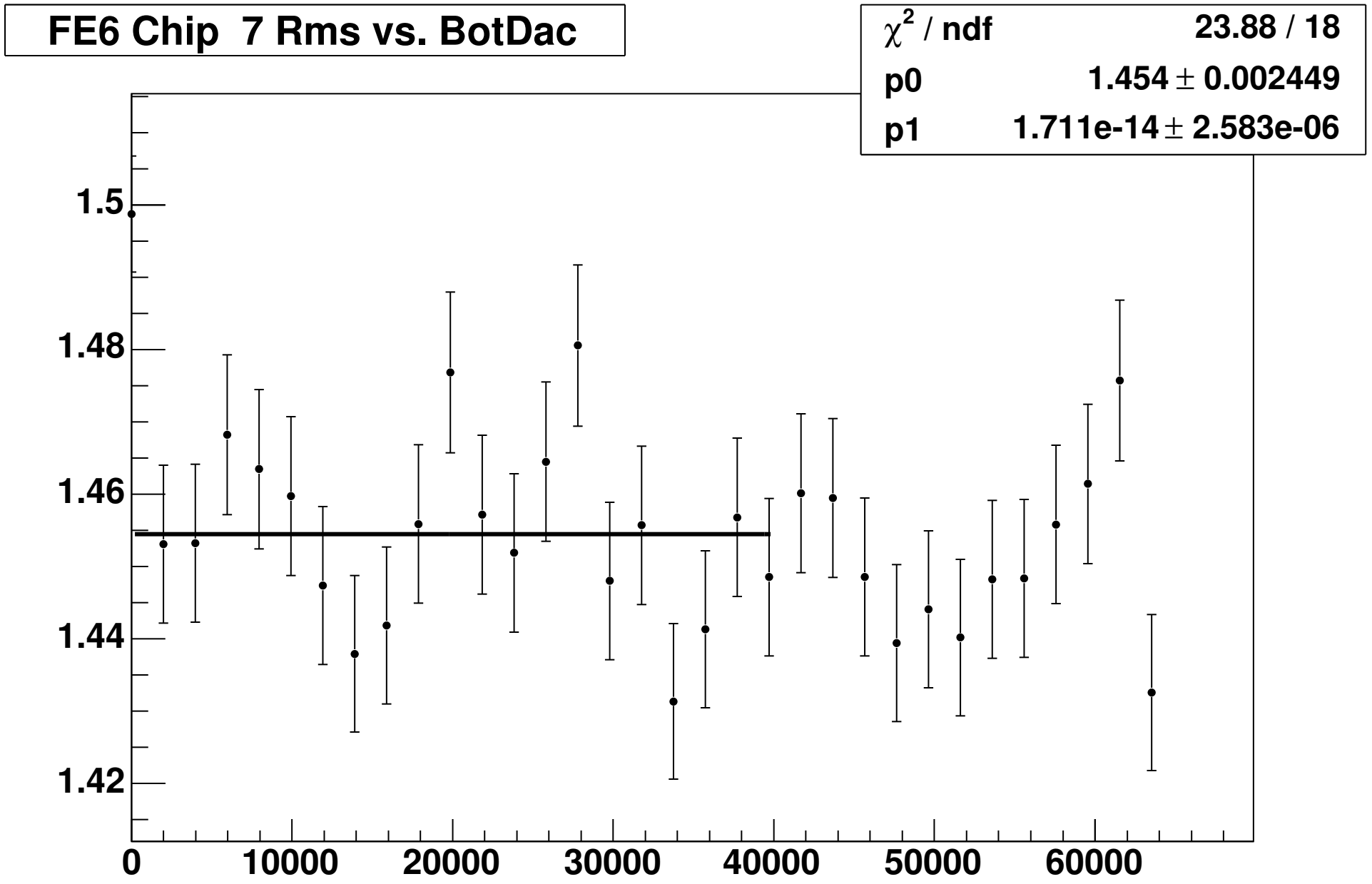

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 779.3 / 18
p0 35.07 ± 0.00718
p1 -4.178e-06 ± 3.01e-07
35.4
35.2
35
34.8
34.6
34.4
0
10000
20000
30000
40000
50000
60000

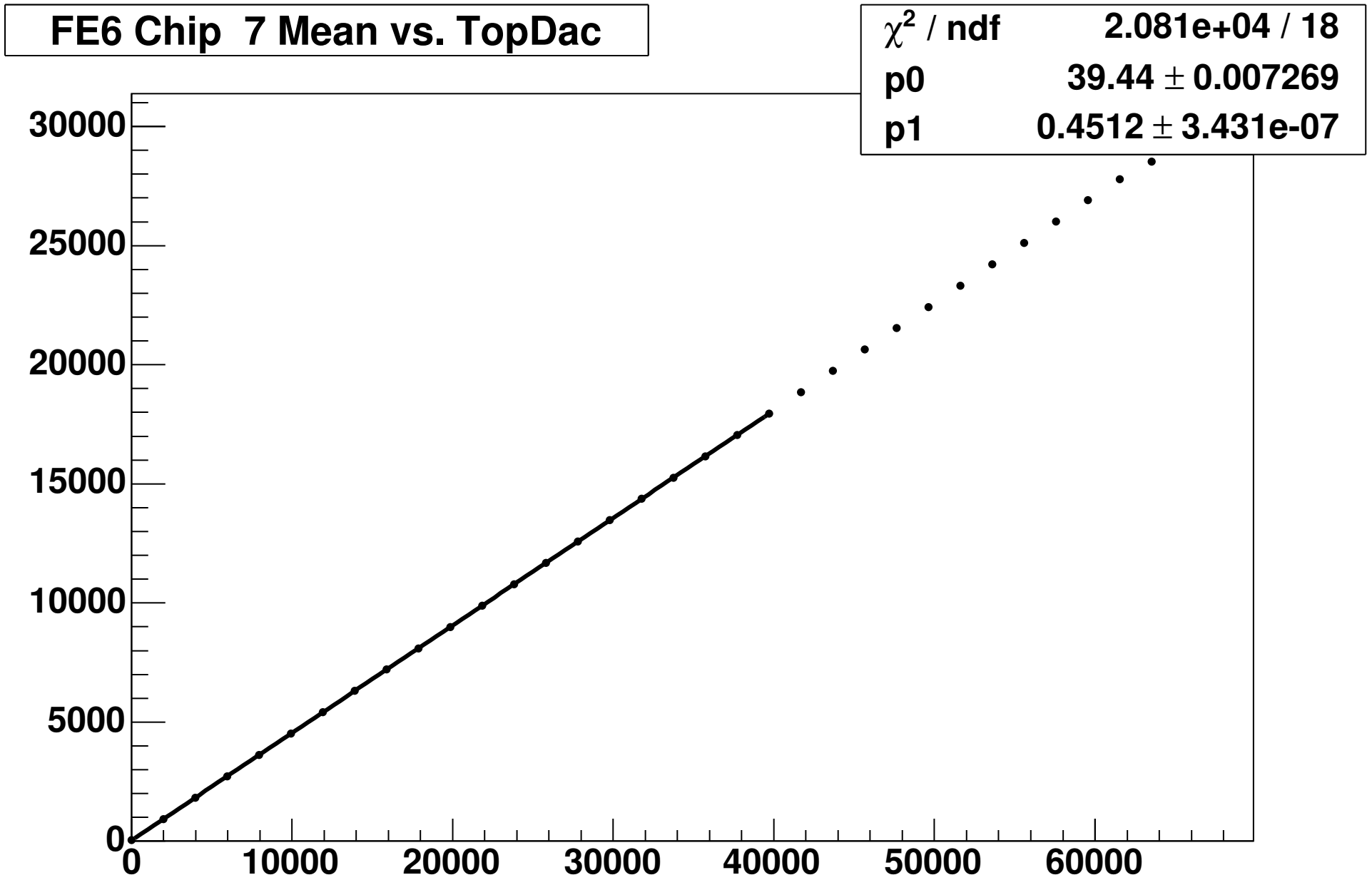

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 17.16 / 18
p0 1.453 ± 0.002447
p1 1.037e-15 ± 1.838e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

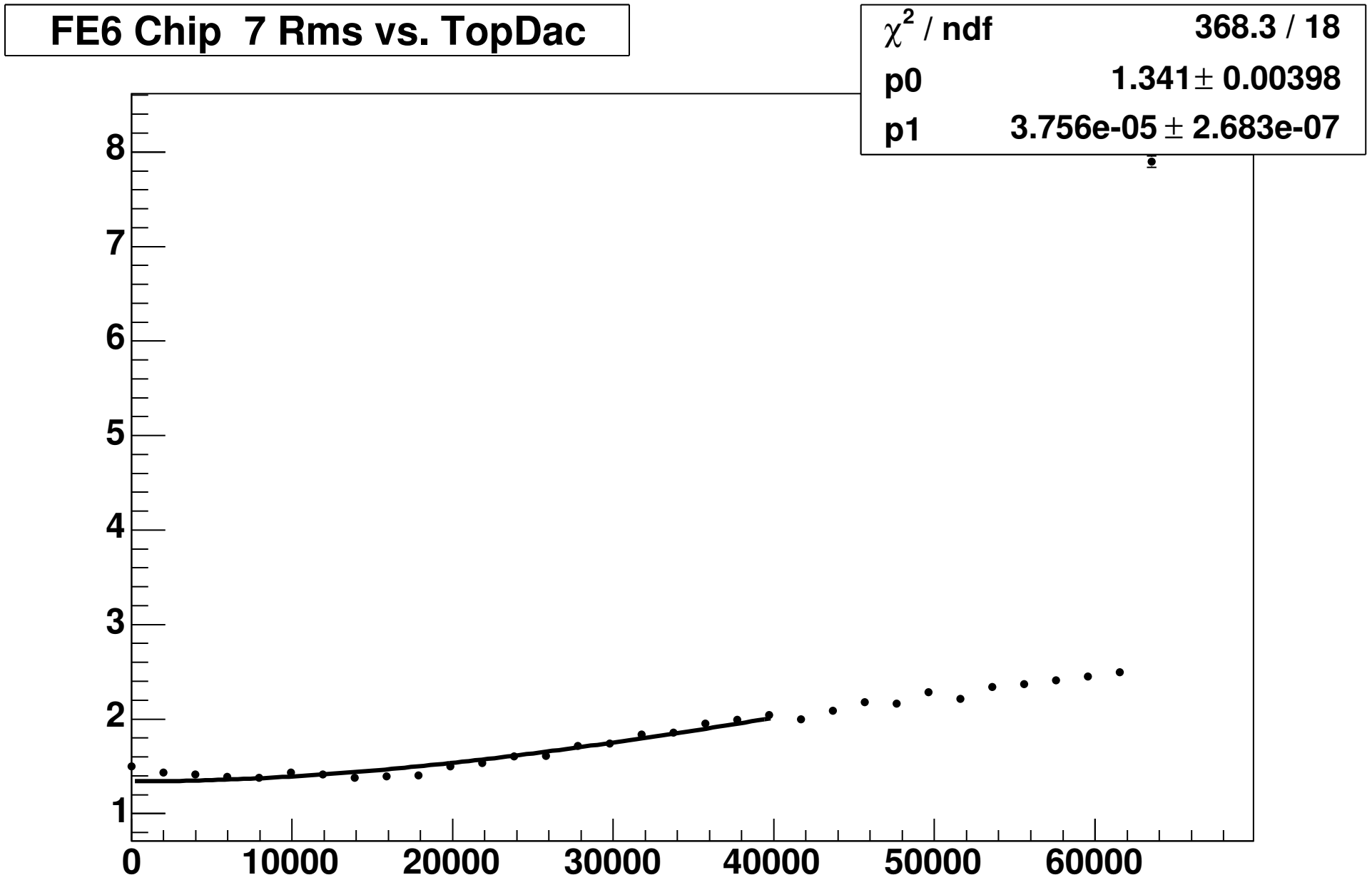

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.545e+04 / 18
p0 34.38 ± 0.007354
p1 0.4512 ± 3.415e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

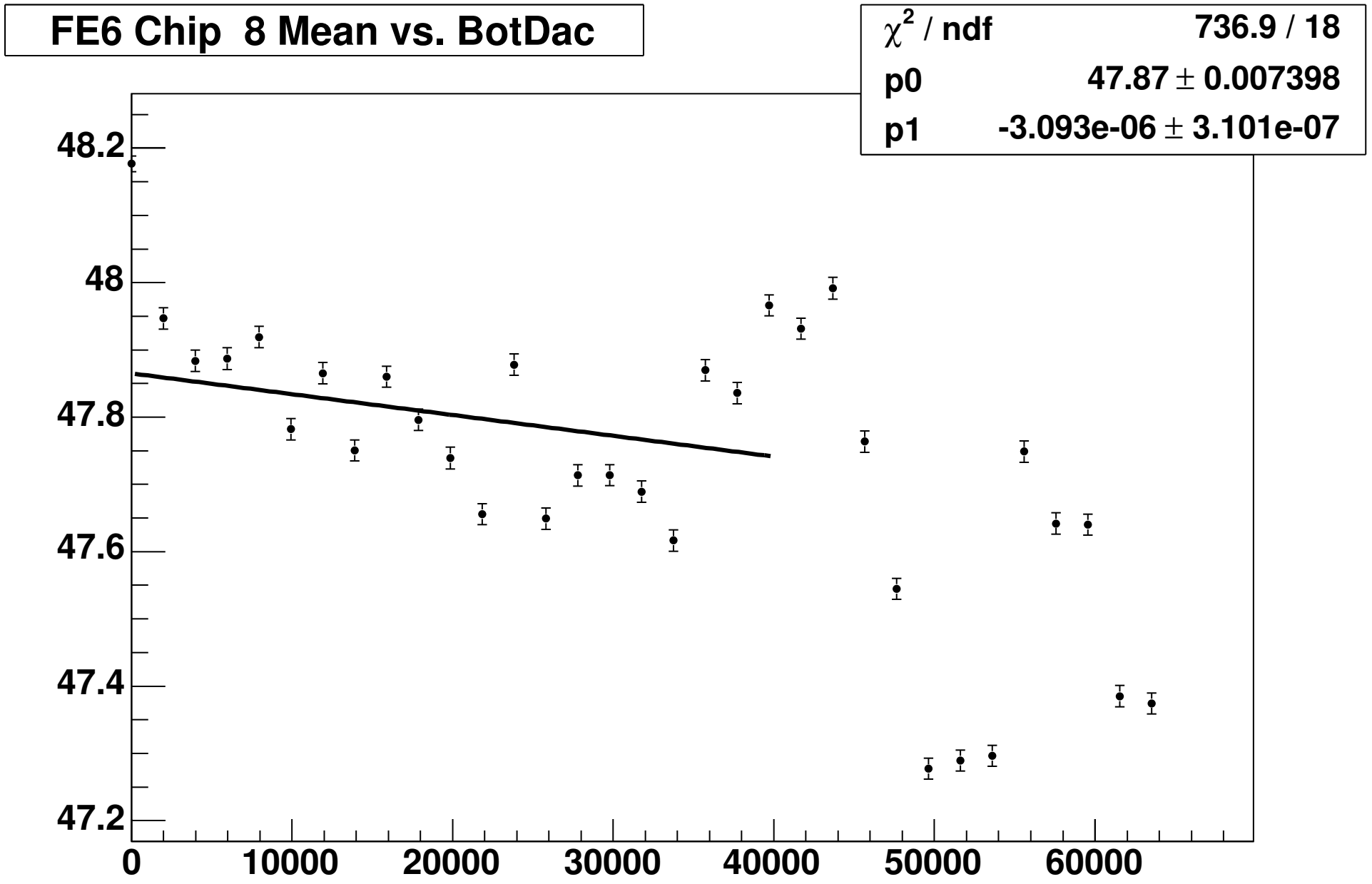

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 197.3 / 18
p0 1.382 ± 0.00401
p1 3.488e-05 ± 2.851e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

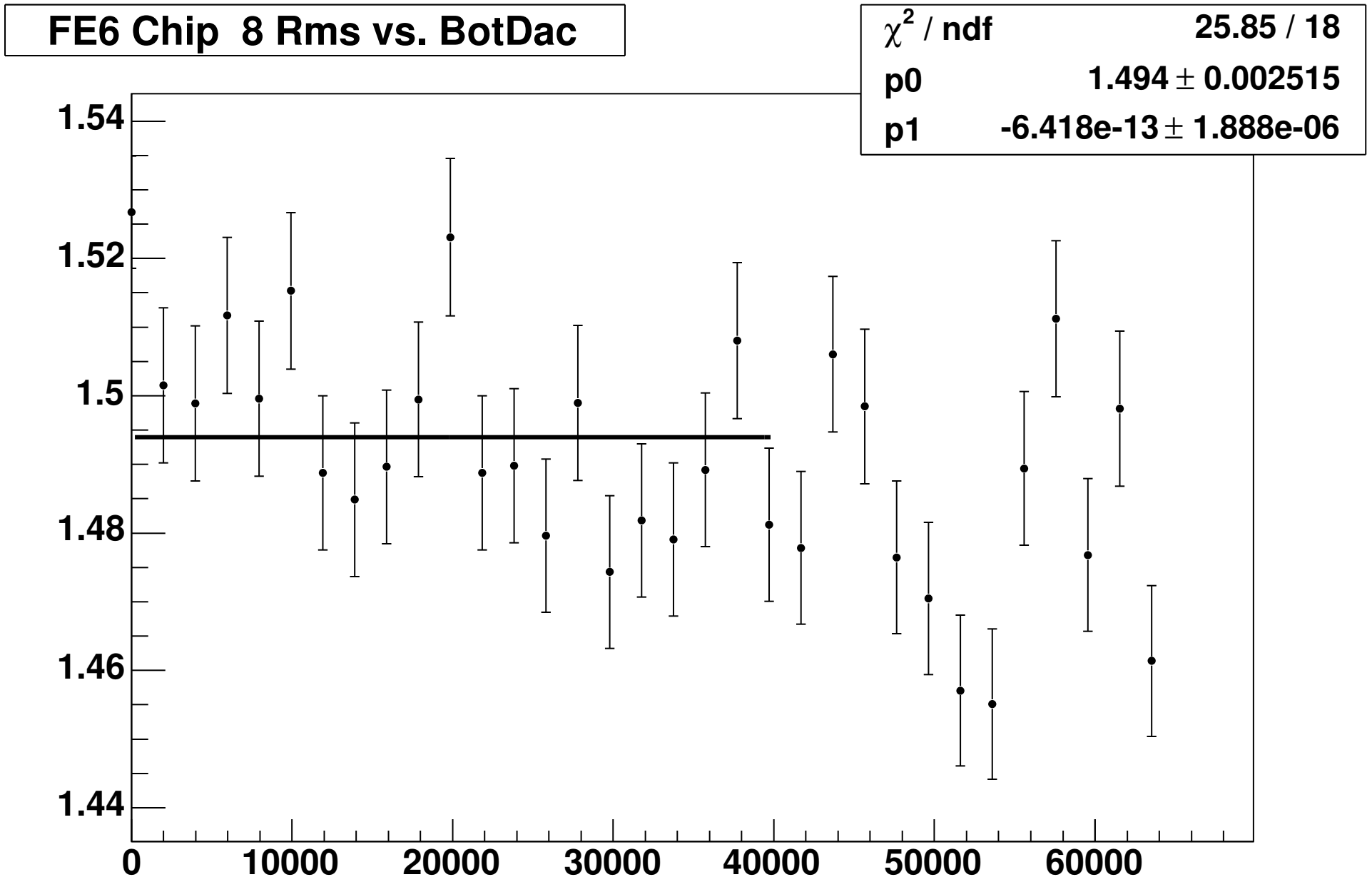

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 734.1 / 18
p0 39.92 ± 0.007178
p1 -4.562e-06 ± 3.014e-07
40.2
40
39.8
39.6
39.4
39.2
0
10000
20000
30000
40000
50000
60000

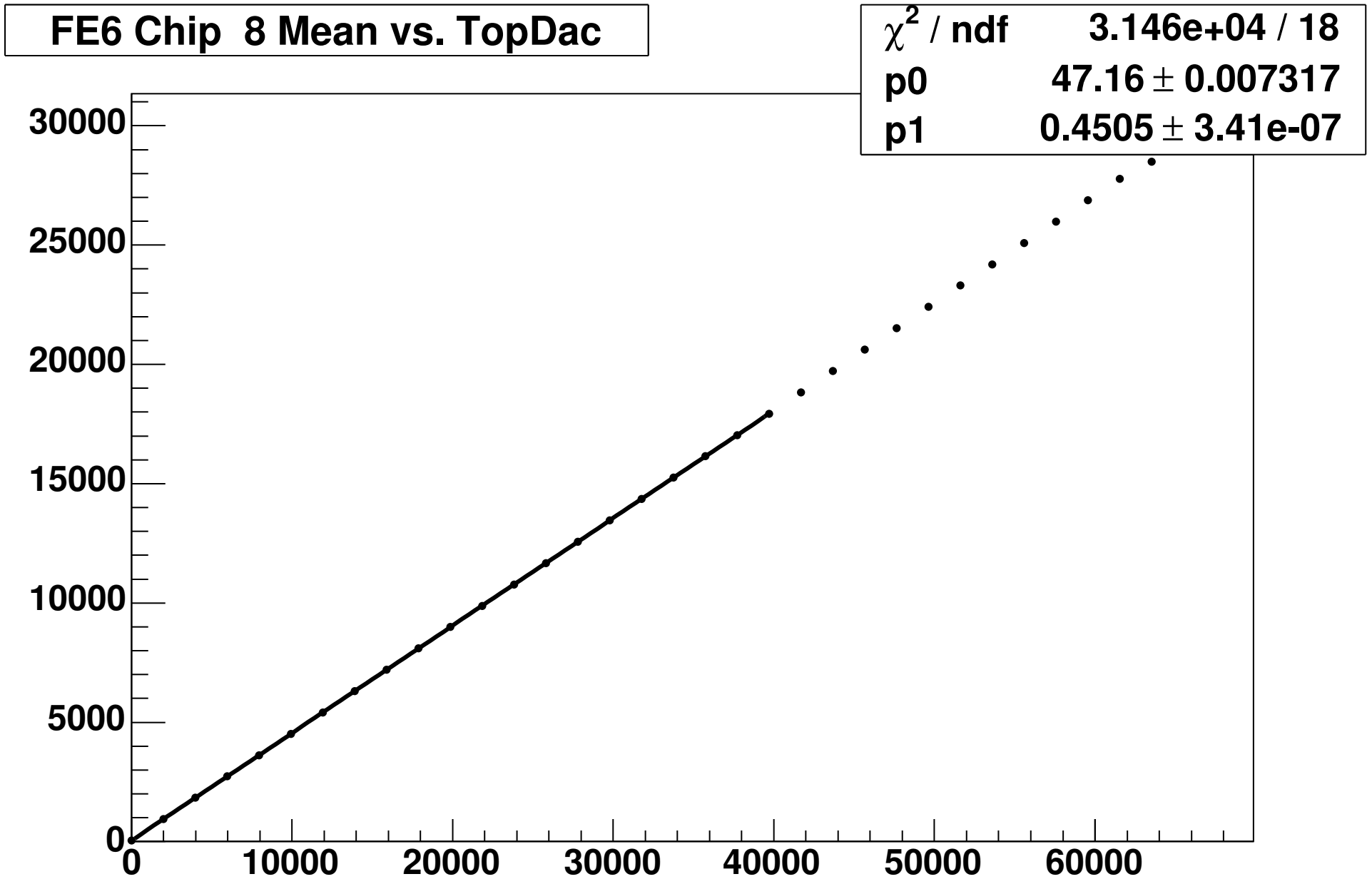

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 23.88 / 18
p0 1.454 ± 0.002449
p1 1.711e-14 ± 2.583e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

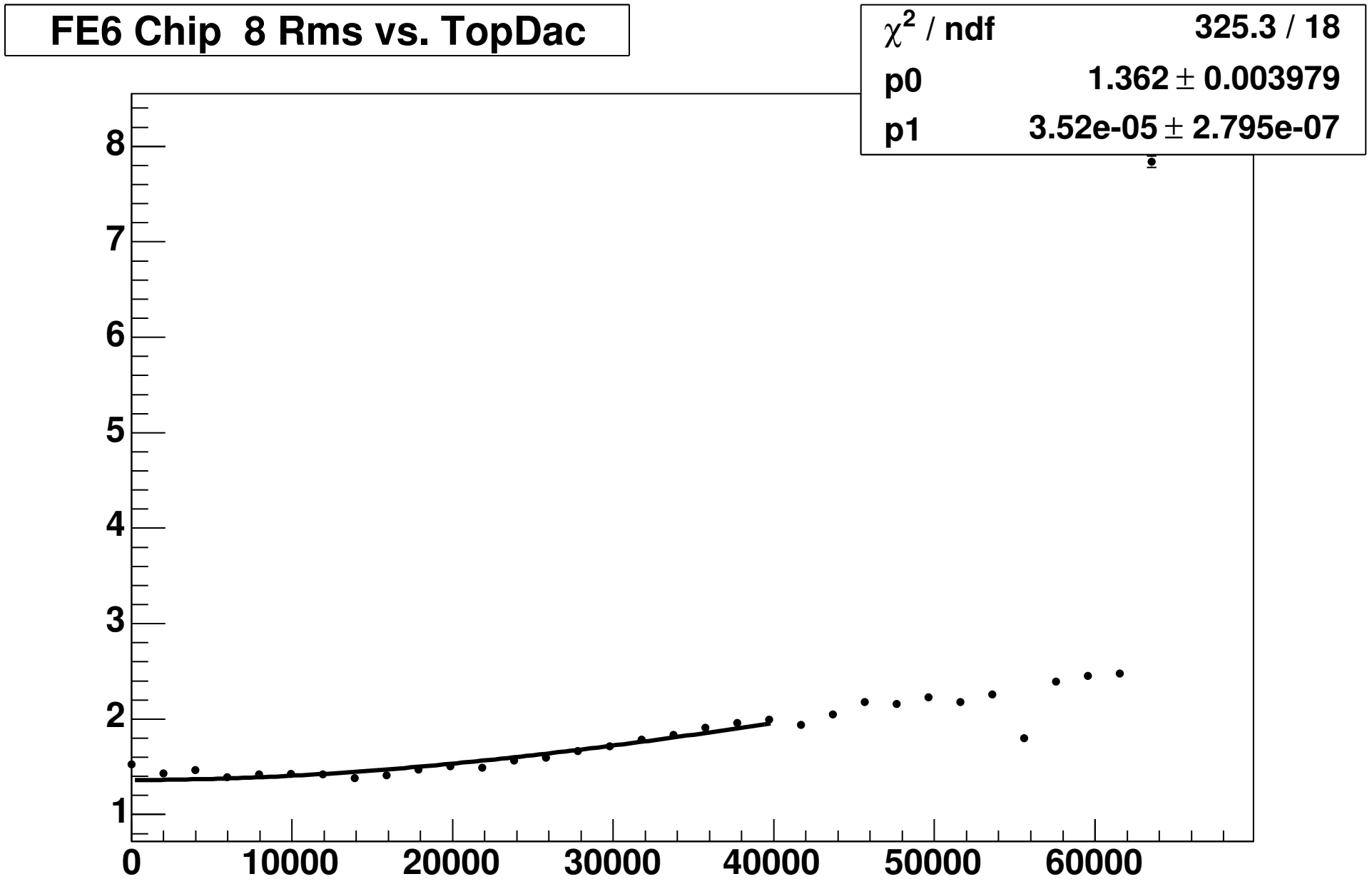

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 2.081e+04 / 18
p0 39.44 ± 0.007269
p1 0.4512 ± 3.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

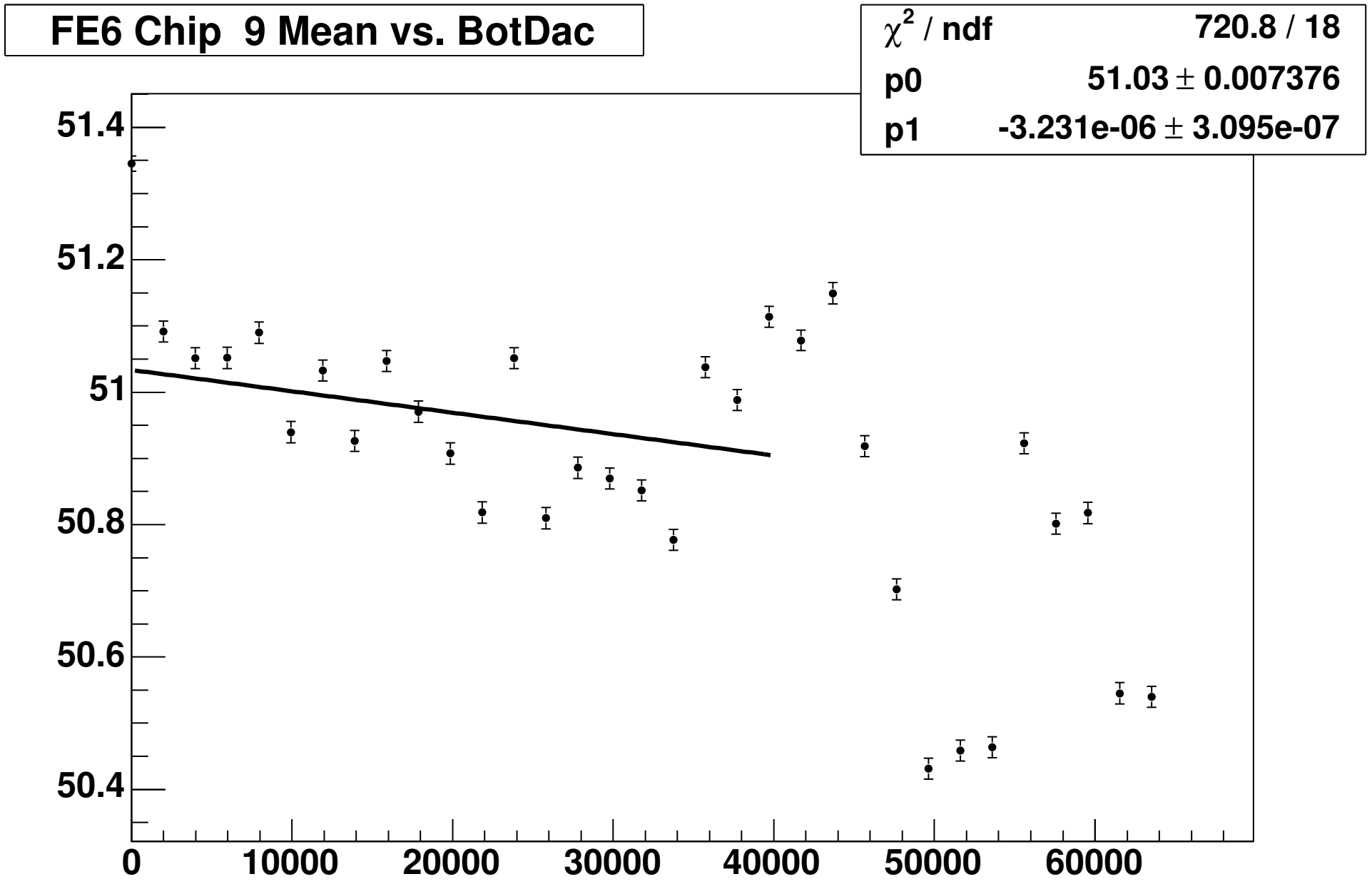

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 368.3 / 18
p0 1.341 ± 0.00398
p1 3.756e-05 ± 2.683e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

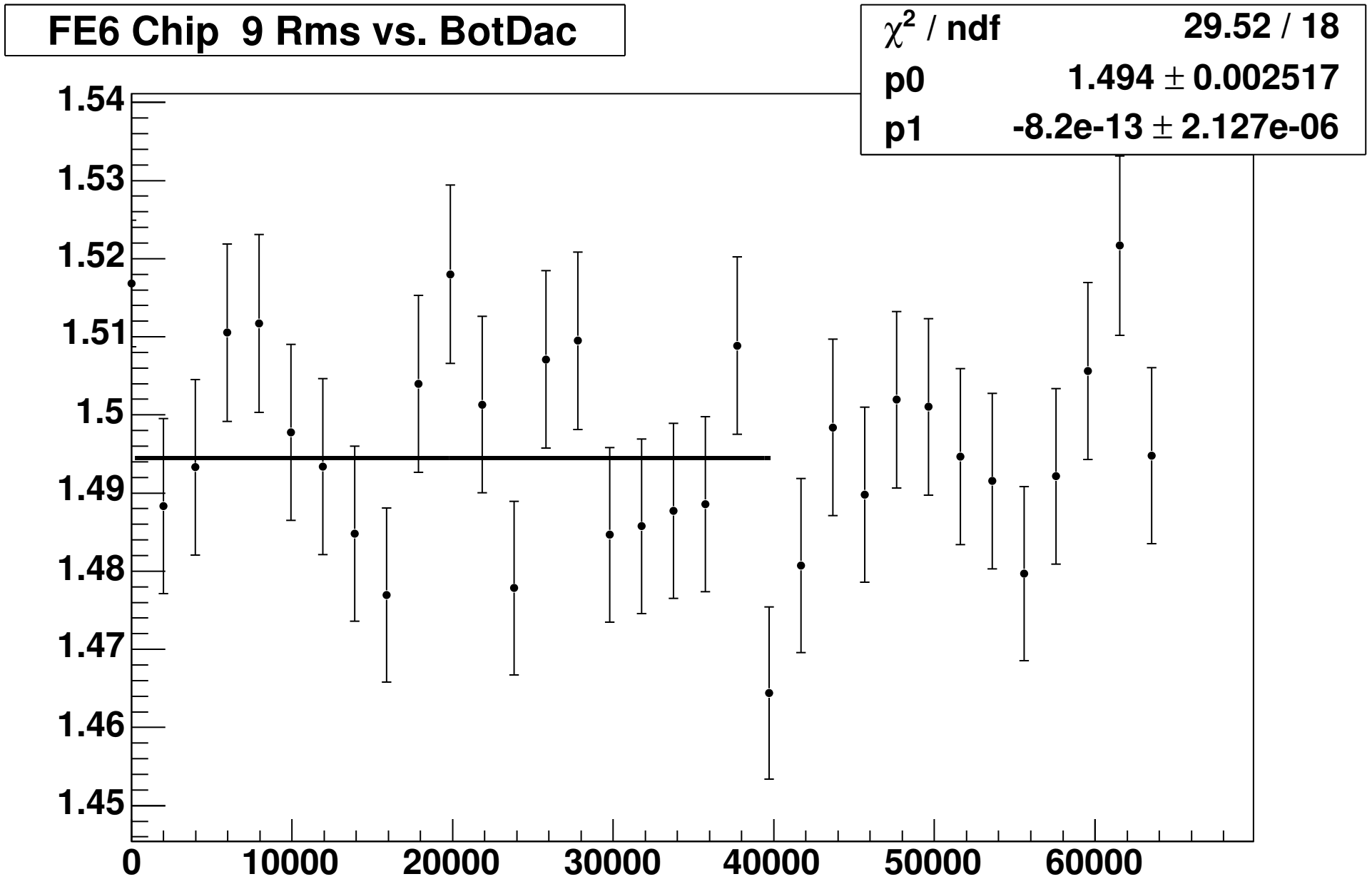

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 736.9 / 18
p0 47.87 ± 0.007398
p1 -3.093e-06 ± 3.101e-07
48.2
48
47.8
47.6
47.4
47.2
0
10000
20000
30000
40000
50000
60000

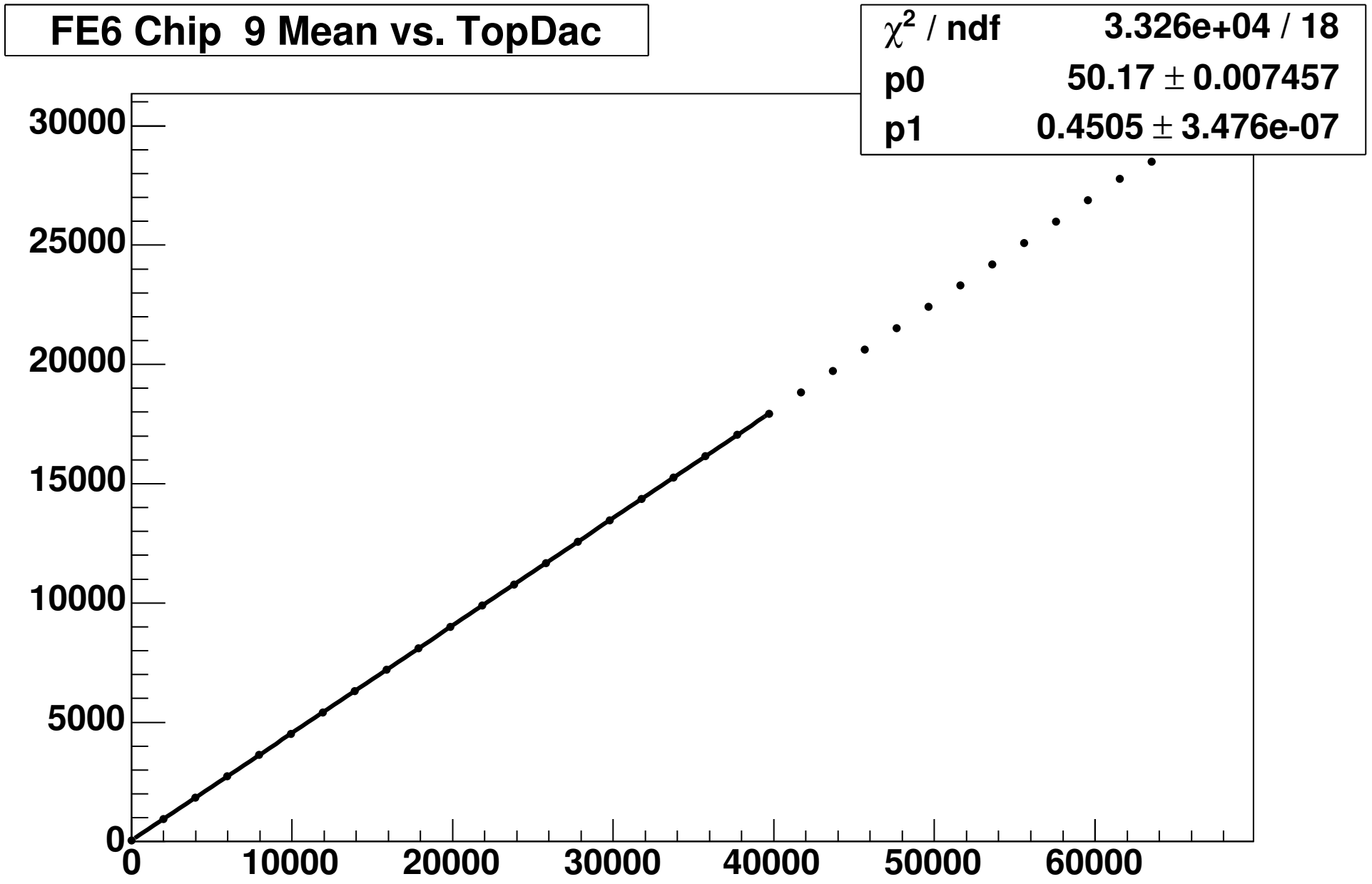

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 25.85 / 18
p0 1.494 ± 0.002515
p1 -6.418e-13 ± 1.888e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

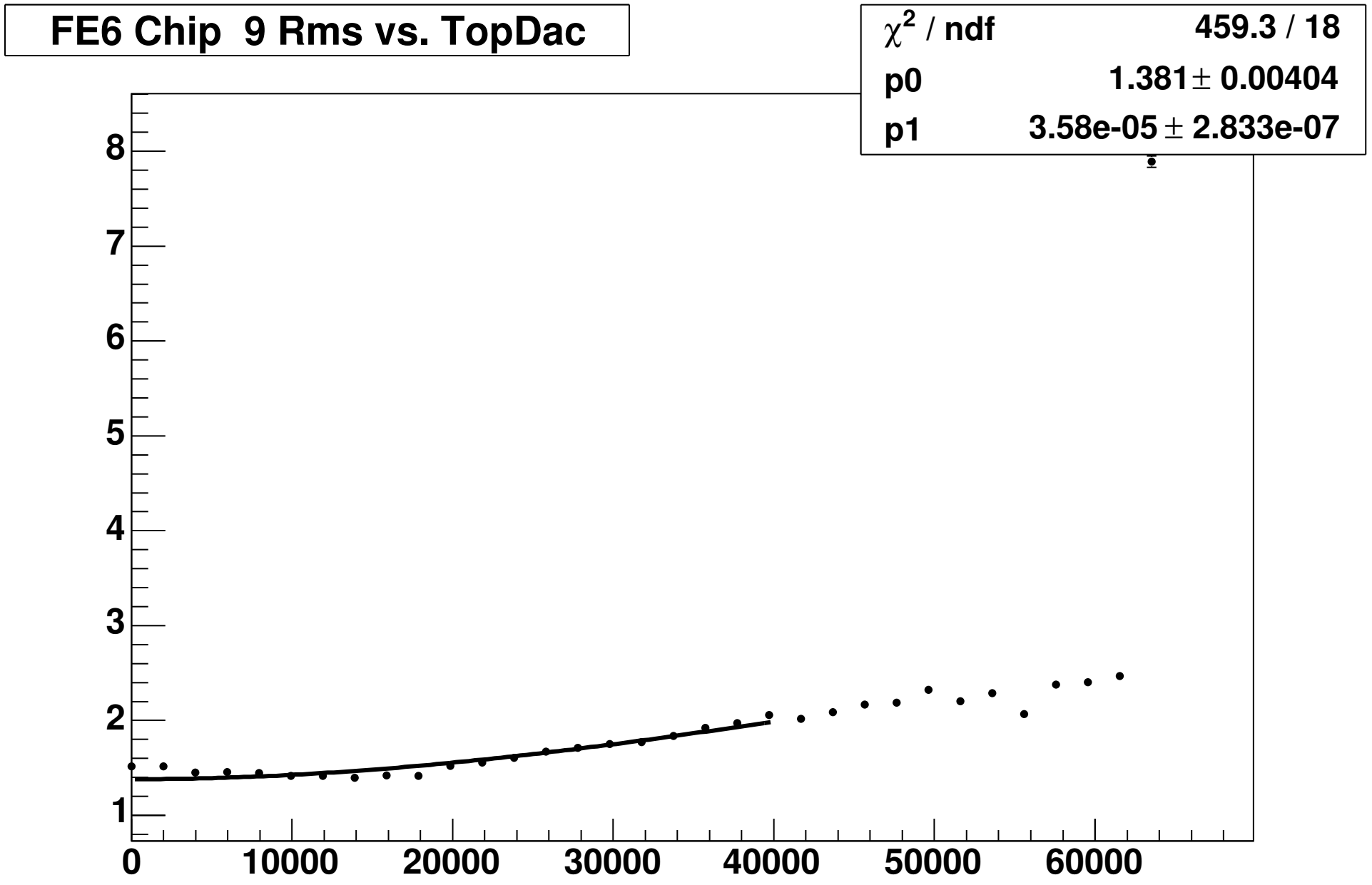

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 3.146e+04 / 18
p0 47.16 ± 0.007317
p1 0.4505 ± 3.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

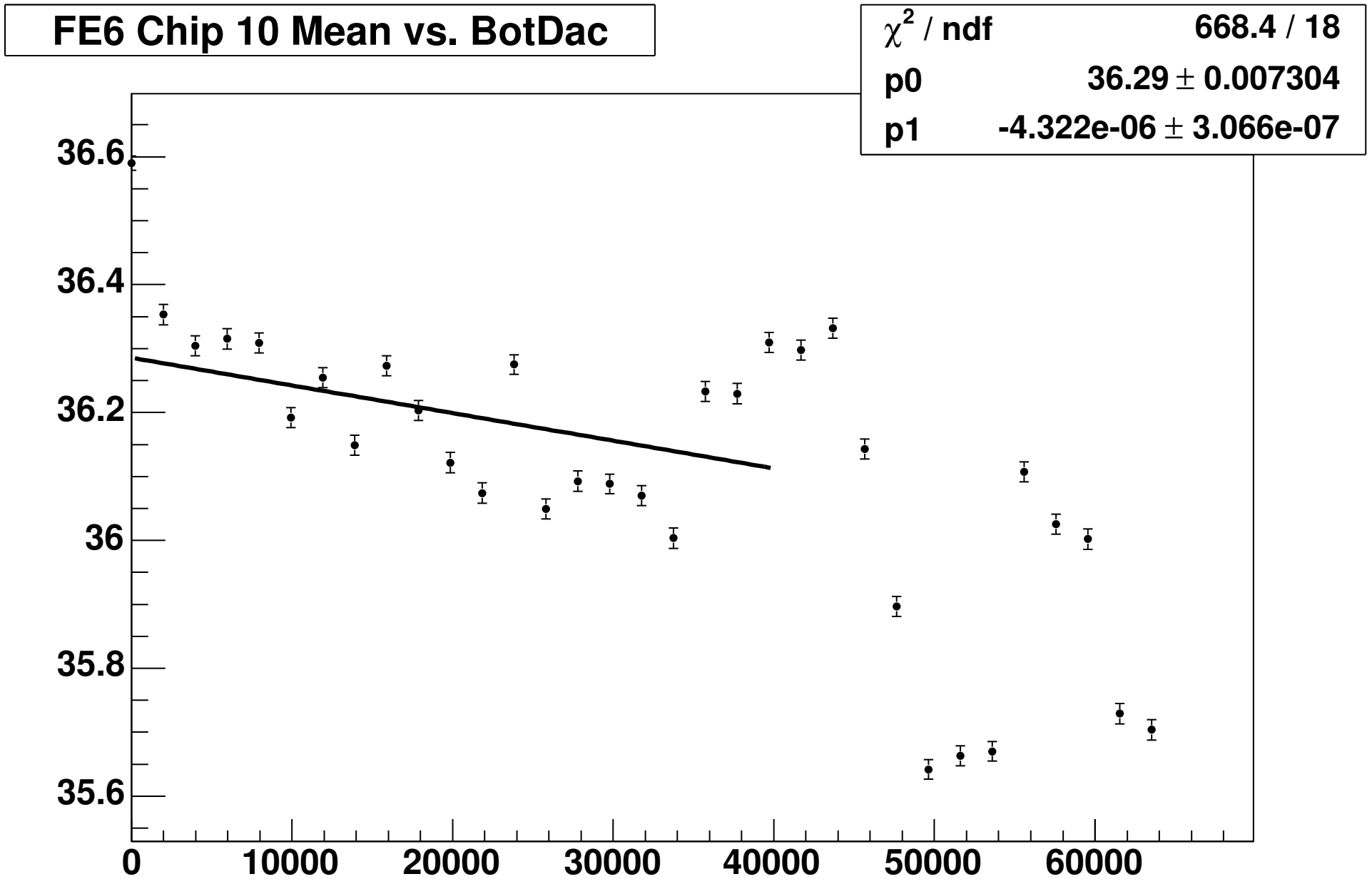

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 325.3 / 18
p0 1.362 ± 0.003979
p1 3.52e-05 ± 2.795e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

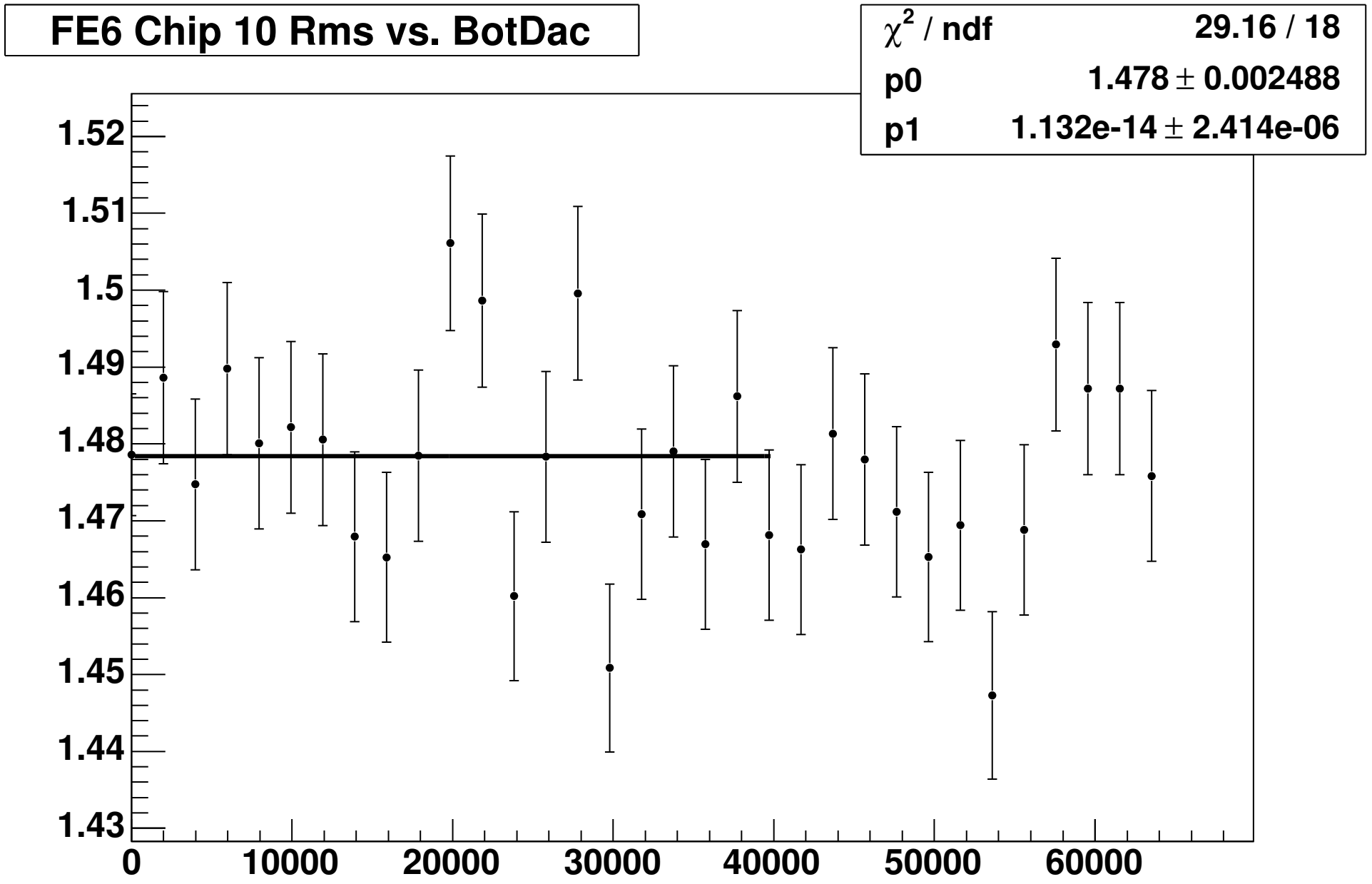

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 720.8 / 18
p0 51.03 ± 0.007376
p1 -3.231e-06 ± 3.095e-07
51.4
51.2
51
50.8
50.6
50.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 29.52 / 18
p0 1.494 ± 0.002517
p1 -8.2e-13 ± 2.127e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 3.326e+04 / 18
p0 50.17 ± 0.007457
p1 0.4505 ± 3.476e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 459.3 / 18
p0 1.381 ± 0.00404
p1 3.58e-05 ± 2.833e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 668.4 / 18
p0 36.29 ± 0.007304
p1 -4.322e-06 ± 3.066e-07
36.6
36.4
36.2
36
35.8
35.6
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 29.16 / 18
p0 1.478 ± 0.002488
p1 1.132e-14 ± 2.414e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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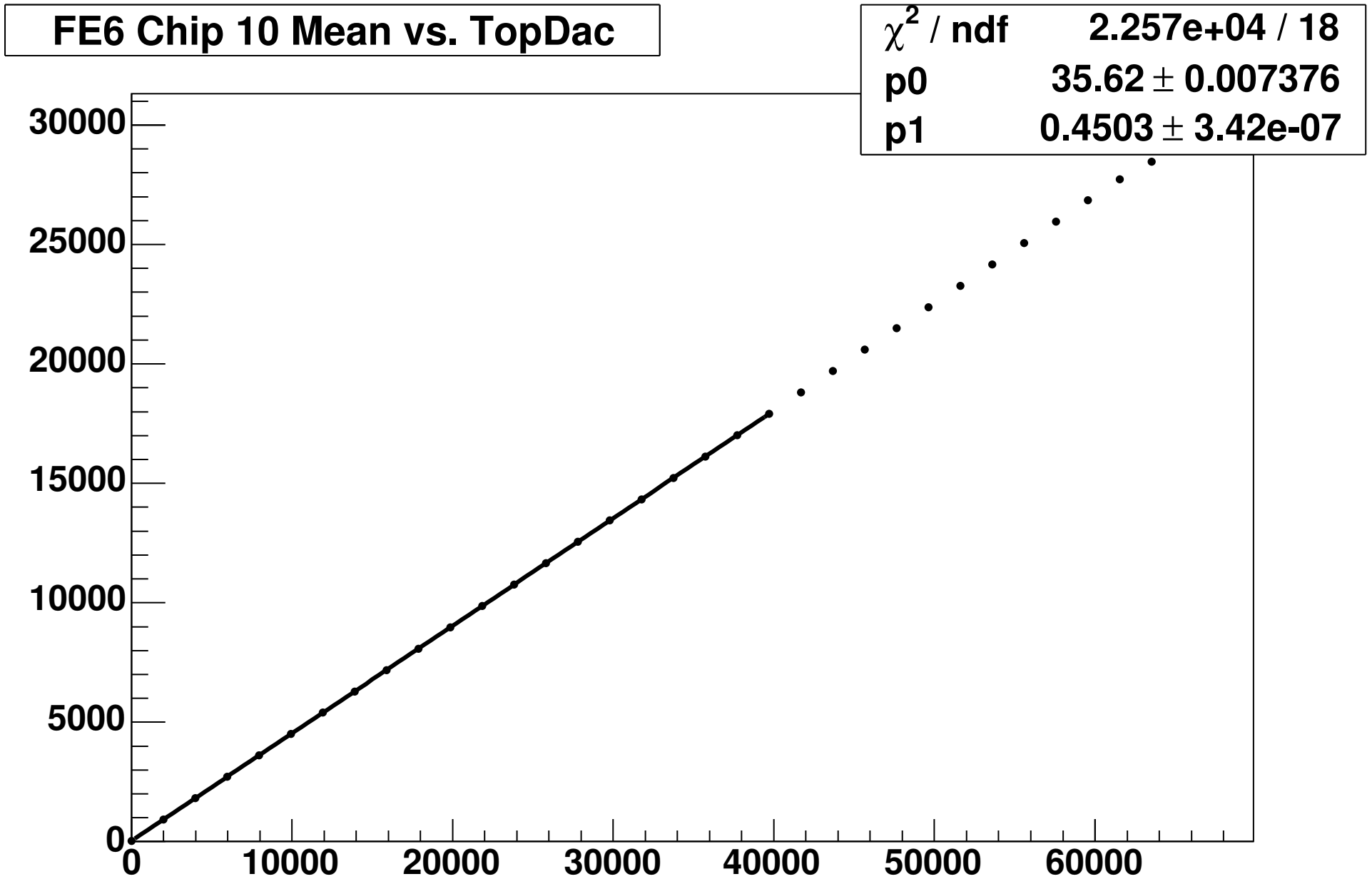
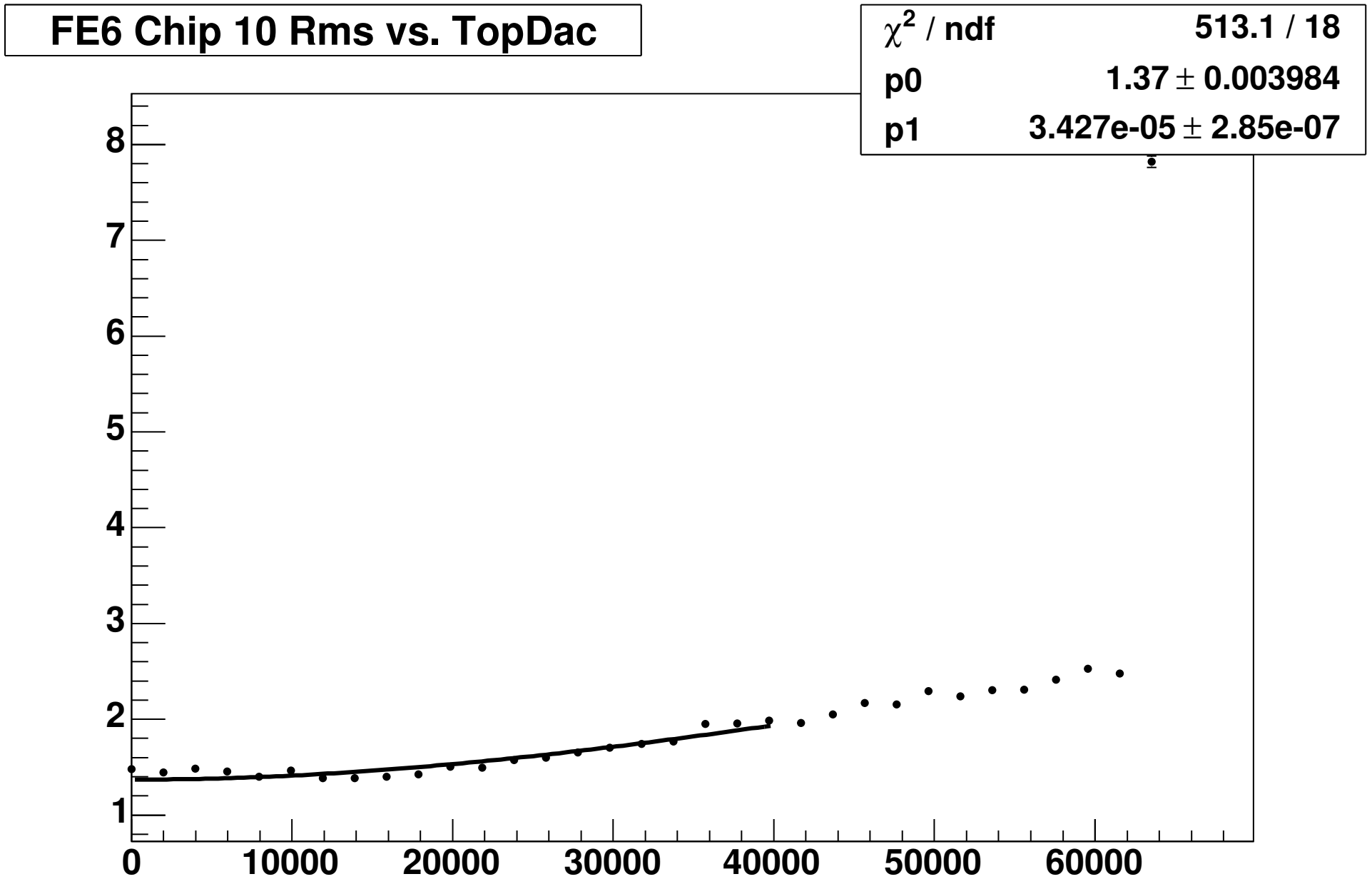
50000
60000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 2.257e+04 / 18
p0 35.62 ± 0.007376
p1 0.4503 ± 3.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 513.1 / 18
p0 1.37 ± 0.003984
p1 3.427e-05 ± 2.85e-07
8
7
6
5
4
3
2
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0
10000
20000
30000
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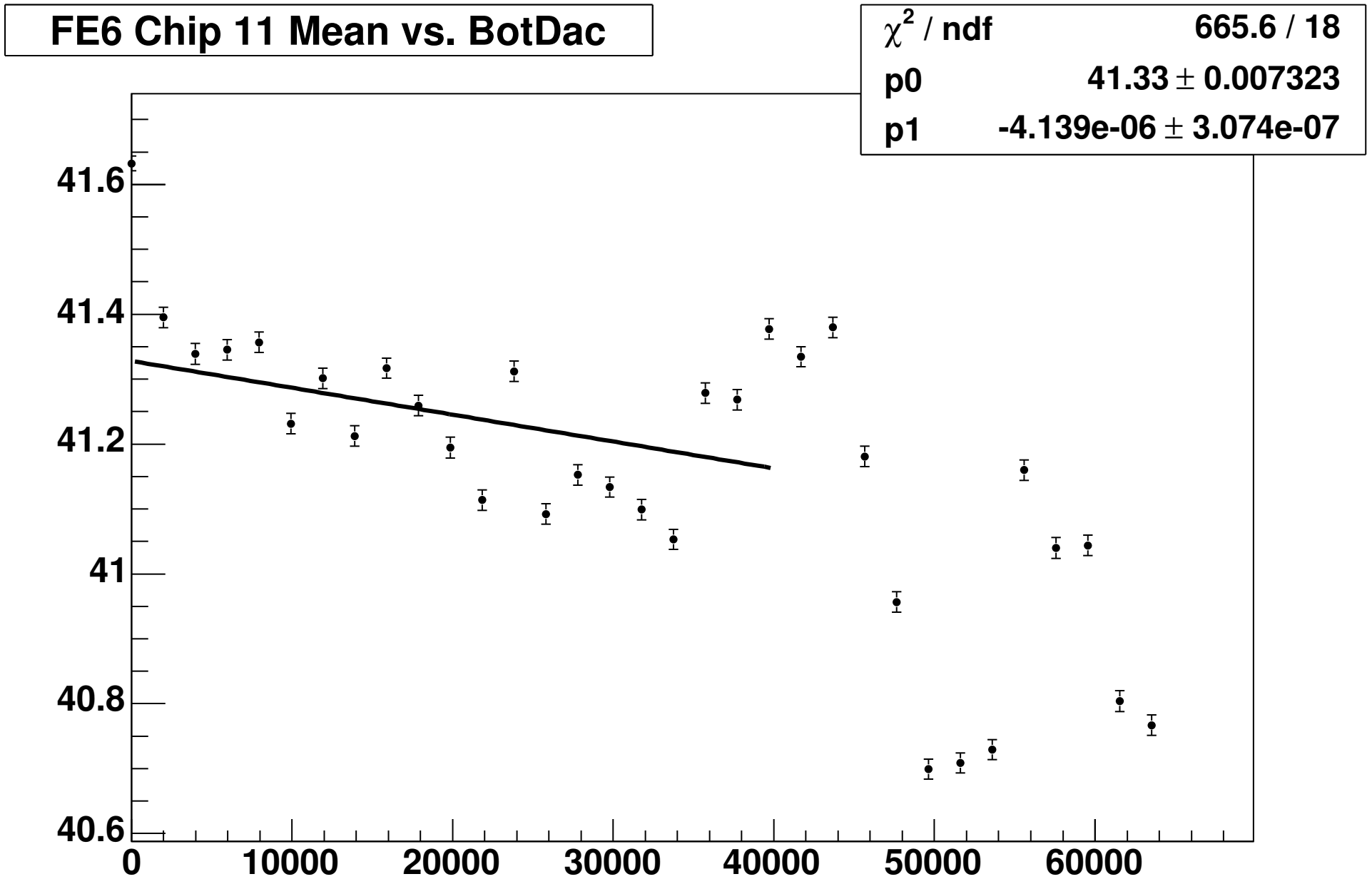
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 665.6 / 18
p0 41.33 ± 0.007323
p1 -4.139e-06 ± 3.074e-07
41.6
41.4
41.2
41
40.8
40.6
0
10000
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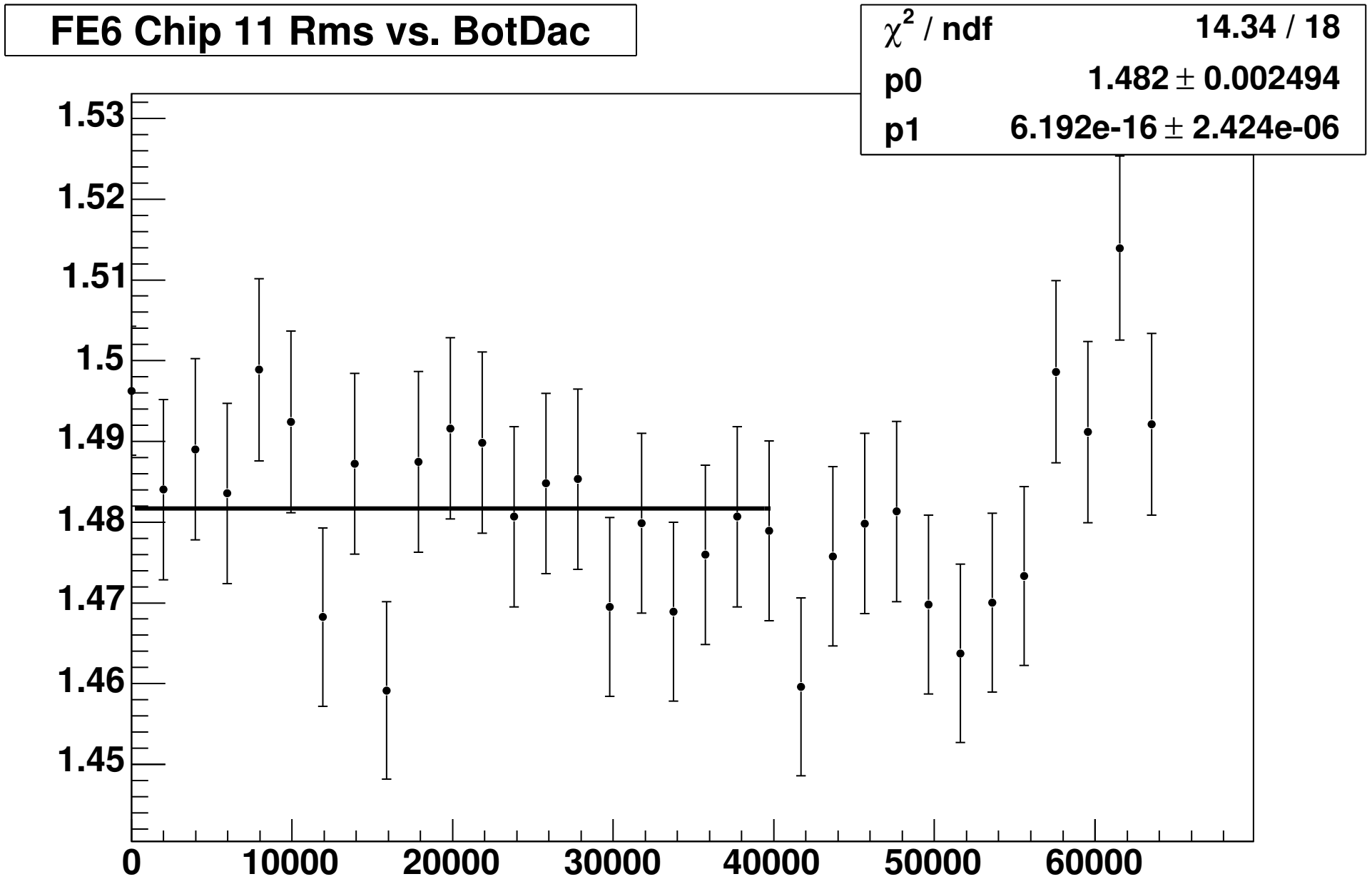
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 14.34 / 18
p0 1.482 ± 0.002494
p1 6.192e-16 ± 2.424e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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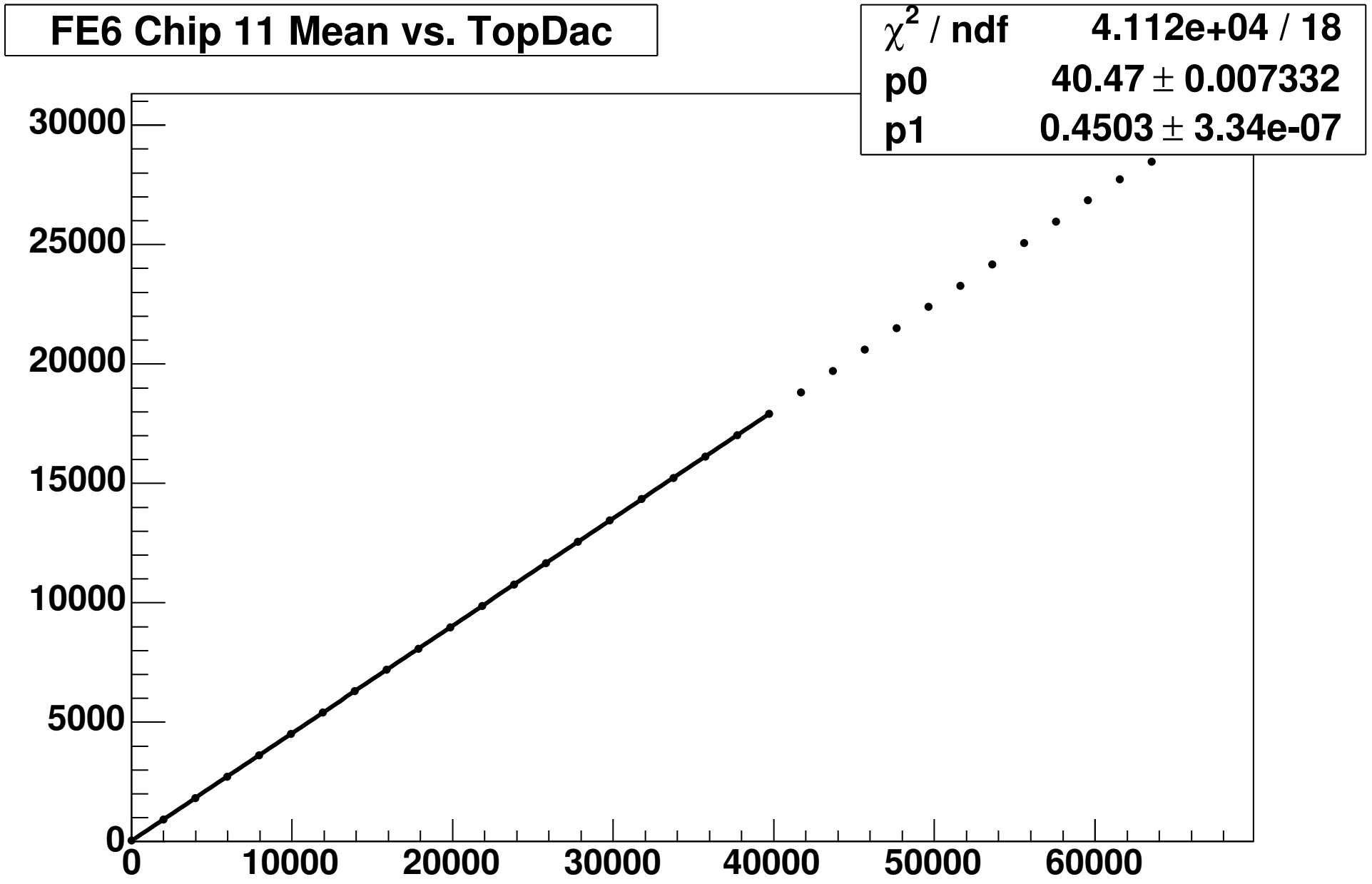
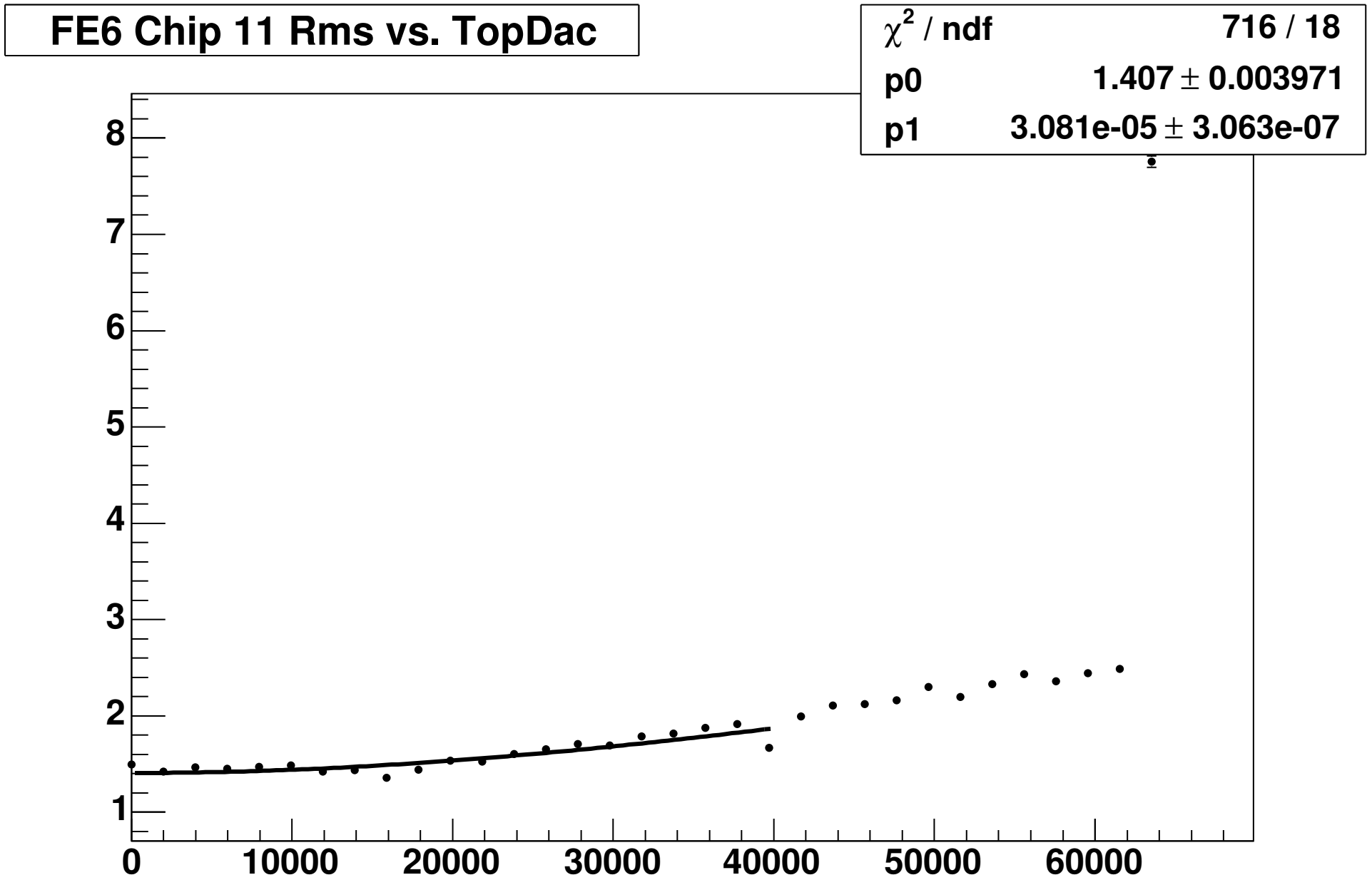

FE6 Chip 11 Mean vs. TopDac
χ² / ndf 4.112e+04 / 18
p0 40.47 ± 0.007332
p1 0.4503 ± 3.34e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 716 / 18
p0 1.407 ± 0.003971
p1 3.081e-05 ± 3.063e-07
8
7
6
5
4
3
2
1
0
10000
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30000
40000
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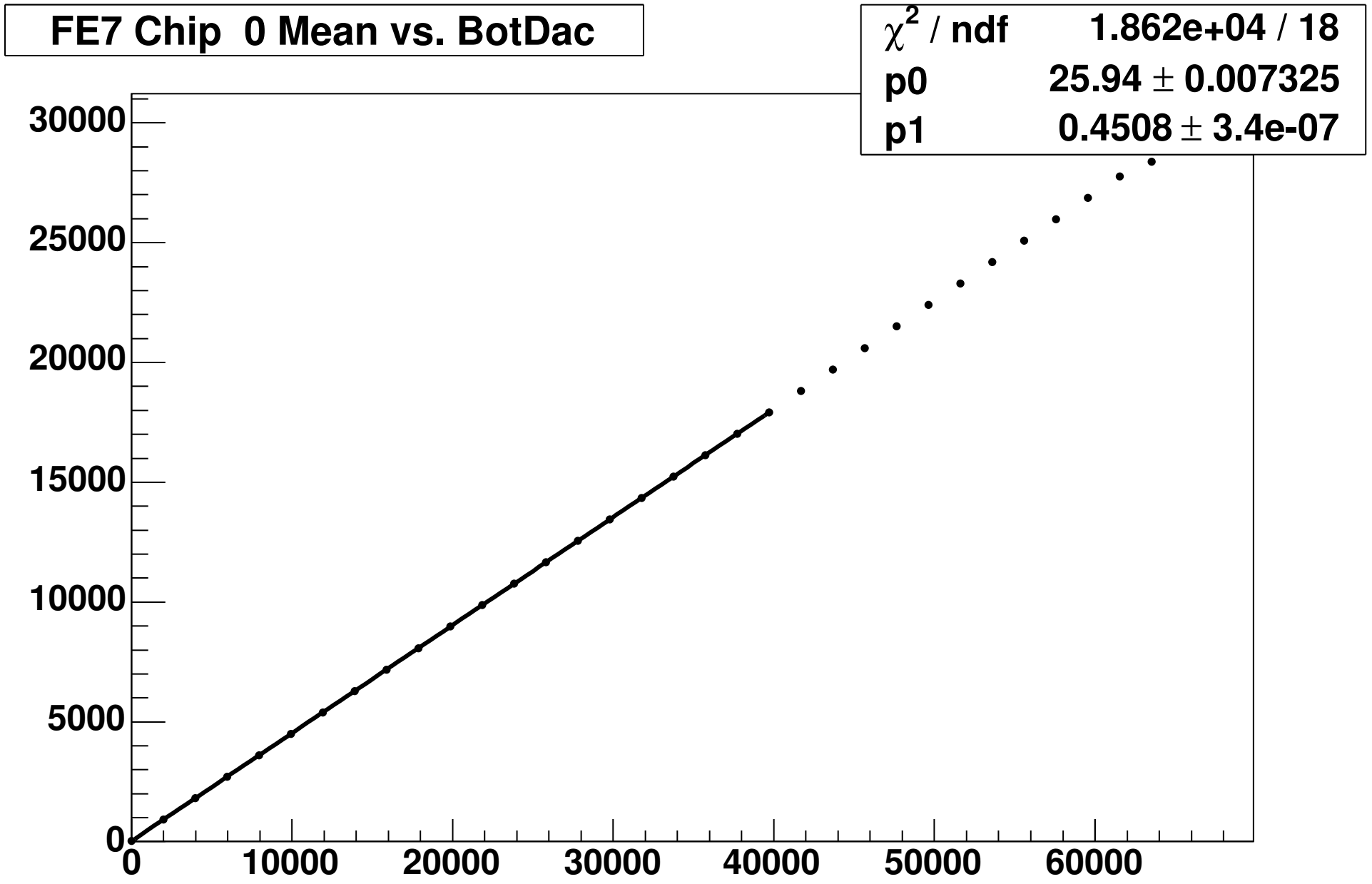
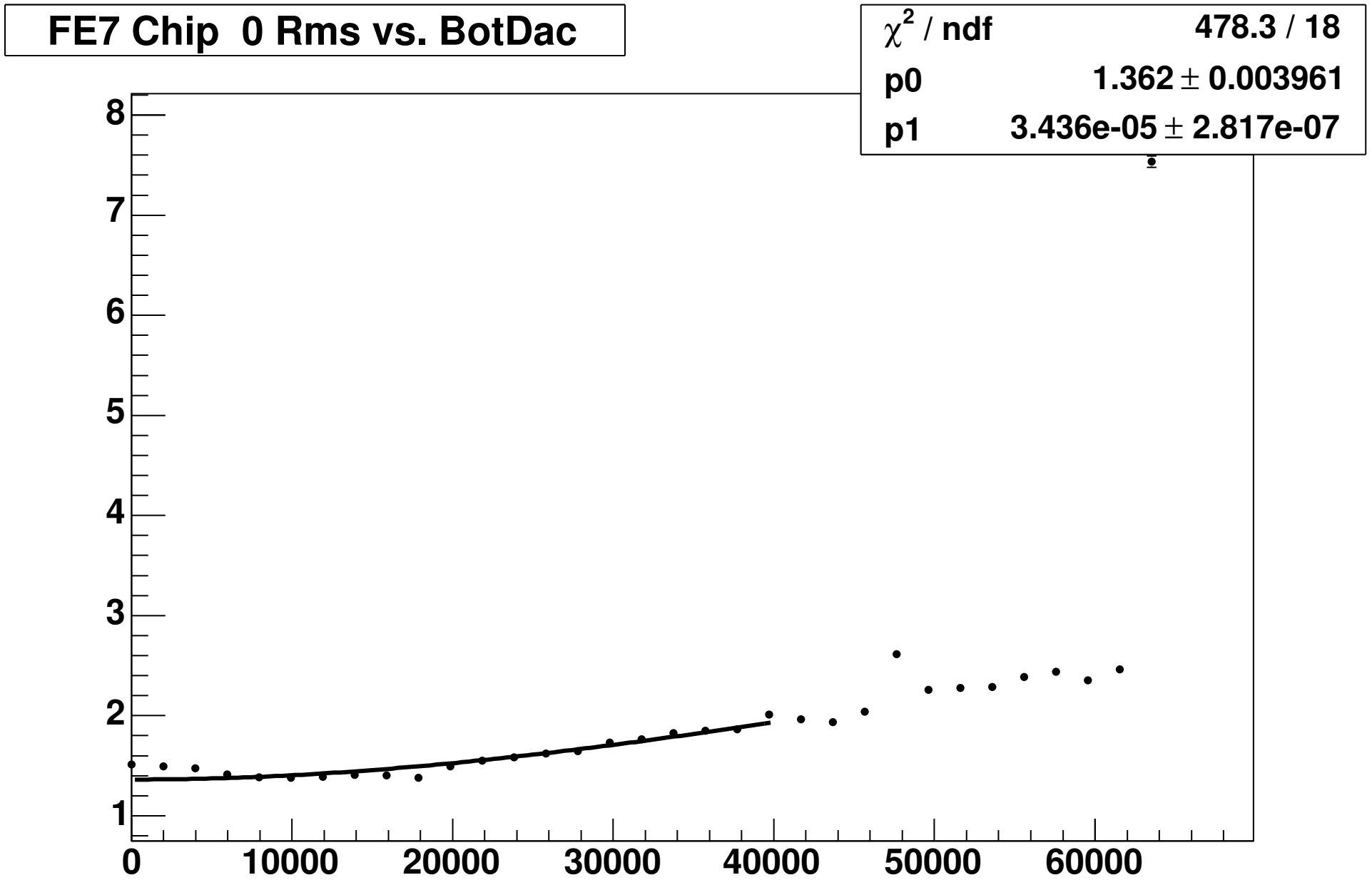
60000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.862e+04 / 18
p0 25.94 ± 0.007325
p1 0.4508 ± 3.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 478.3 / 18
p0 1.362 ± 0.003961
p1 3.436e-05 ± 2.817e-07
8
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6
5
4
3
2
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0
10000
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40000
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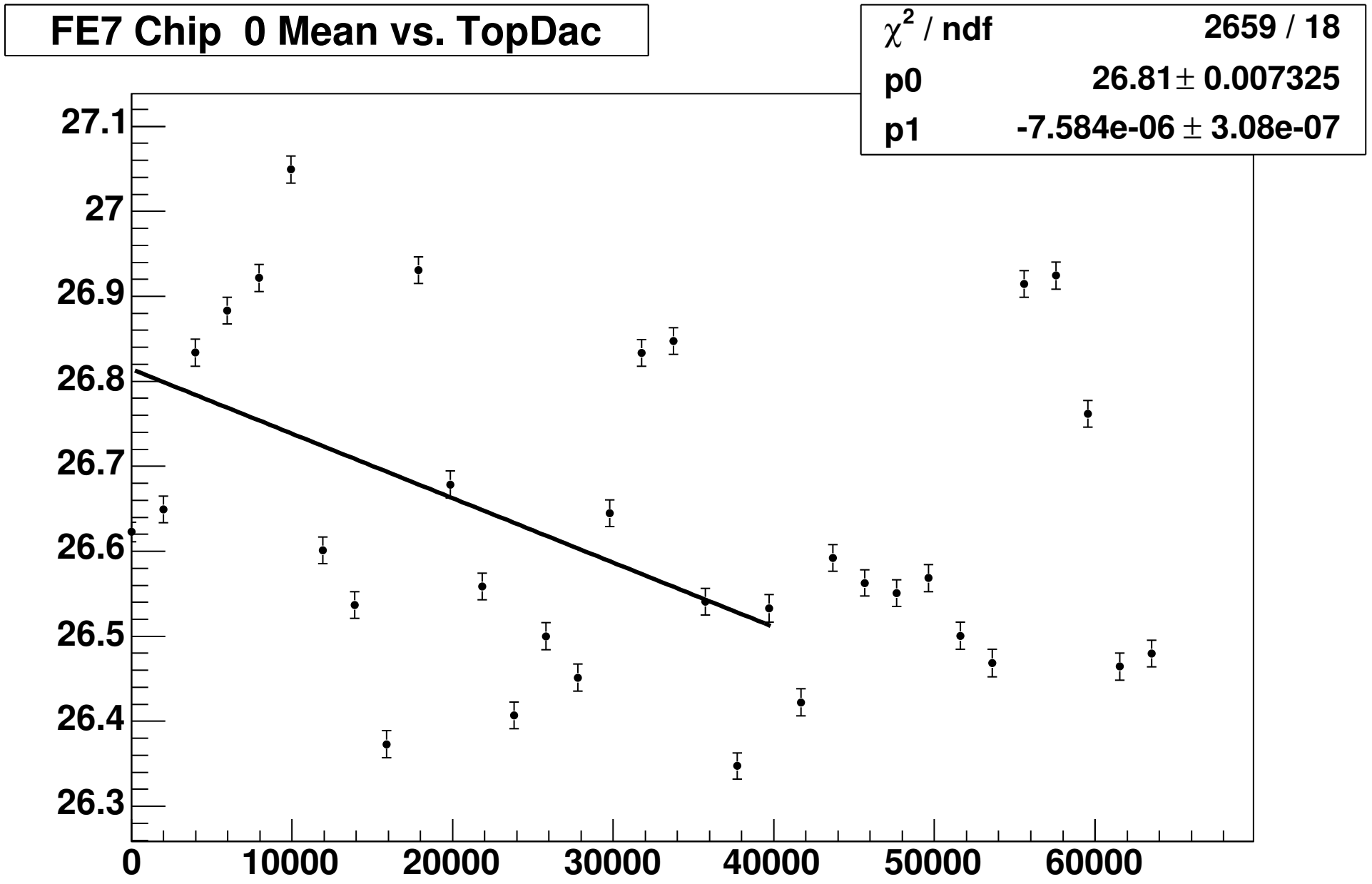
60000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 2659 / 18
p0 26.81 ± 0.007325
p1 -7.584e-06 ± 3.08e-07
27.1
27
26.9
26.8
26.7
26.6
26.5
26.4
26.3
0
10000
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30000
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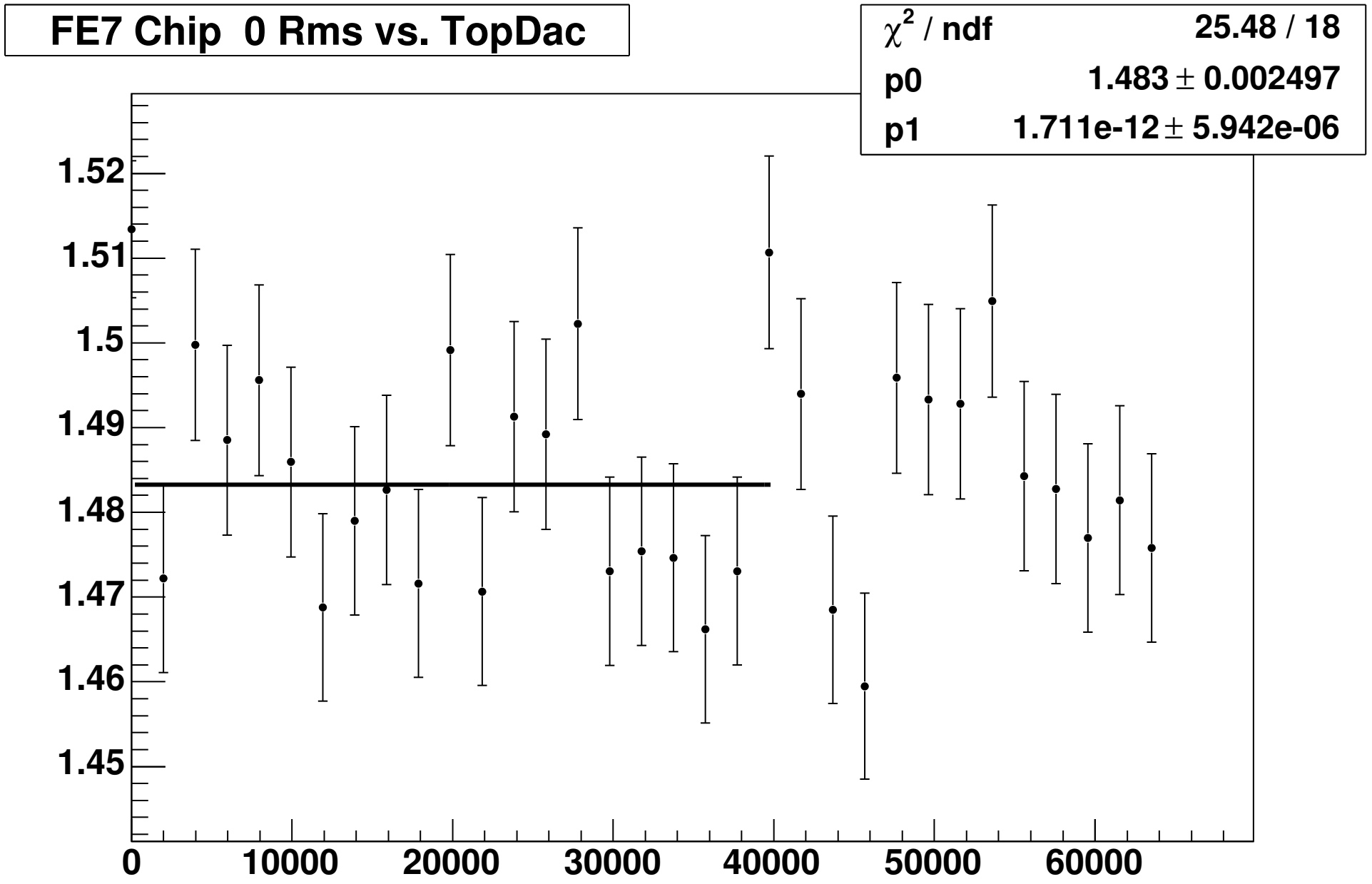
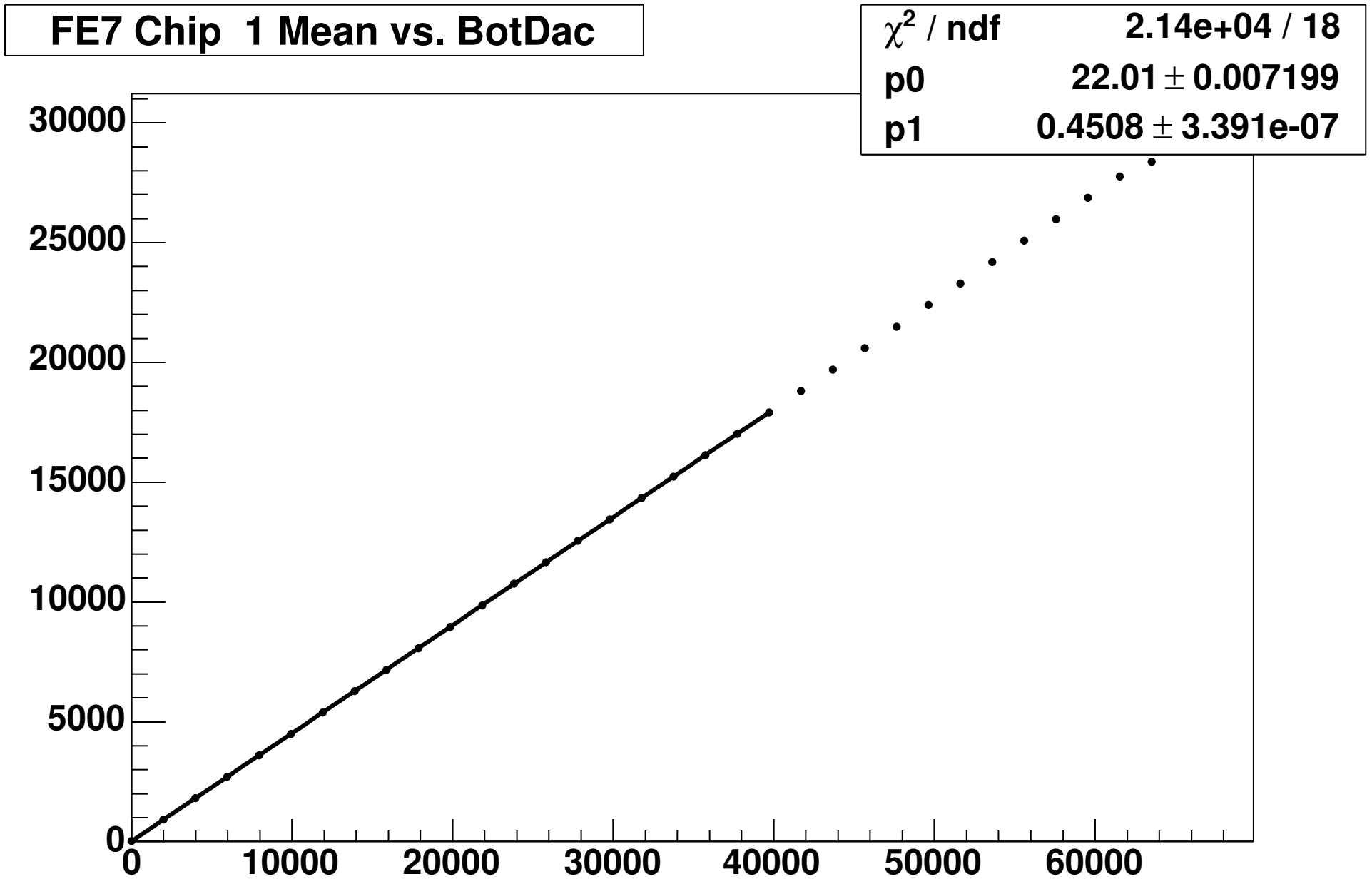
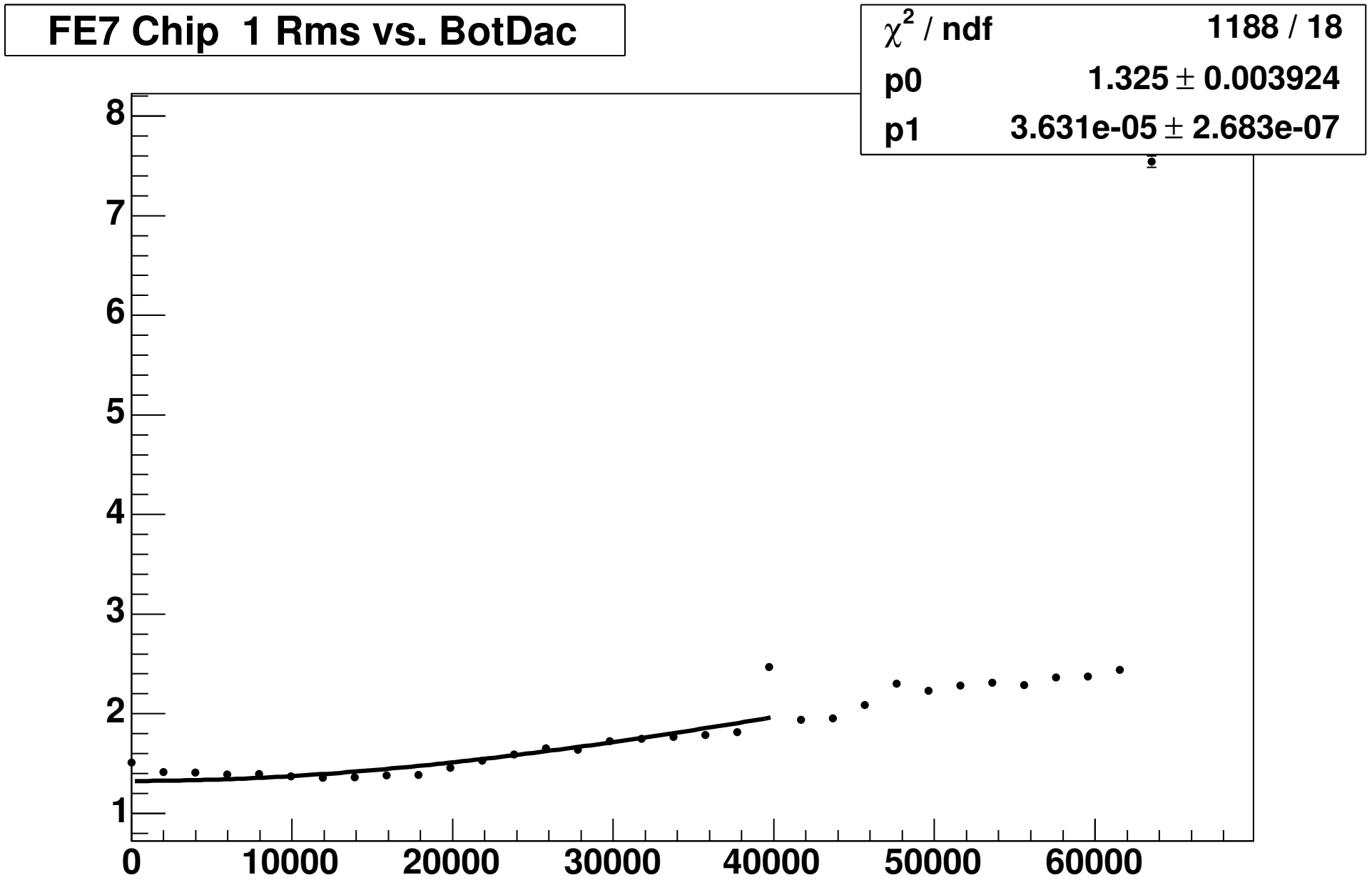
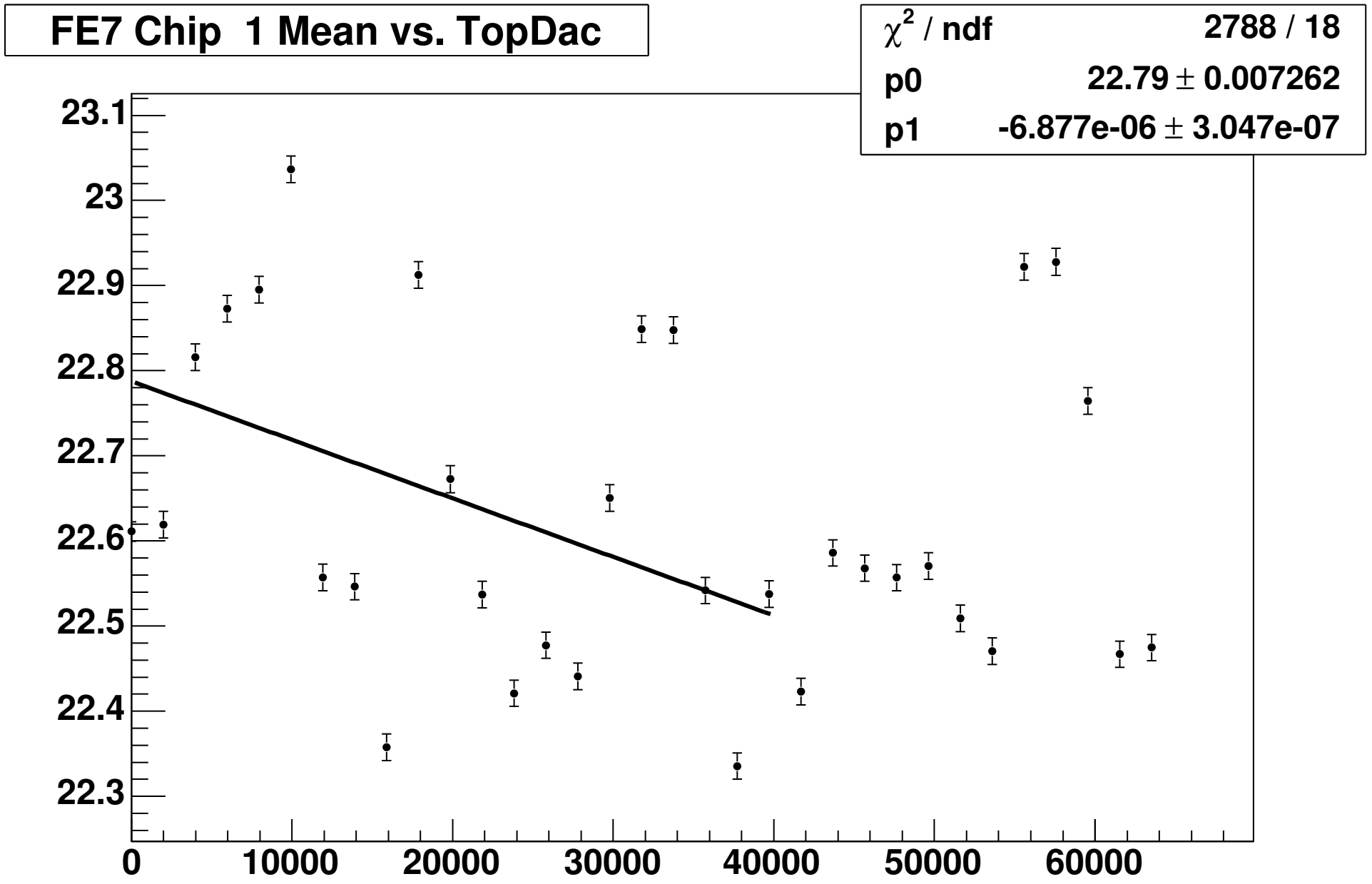
50000
60000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 25.48 / 18
p0 1.483 ± 0.002497
p1 1.711e-12 ± 5.942e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 2.14e+04 / 18
p0 22.01 ± 0.007199
p1 0.4508 ± 3.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1188 / 18
p0 1.325 ± 0.003924
p1 3.631e-05 ± 2.683e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 2788 / 18
p0 22.79 ± 0.007262
p1 -6.877e-06 ± 3.047e-07
23.1
23
22.9
22.8
22.7
22.6
22.5
22.4
22.3
0
10000
20000
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40000
50000
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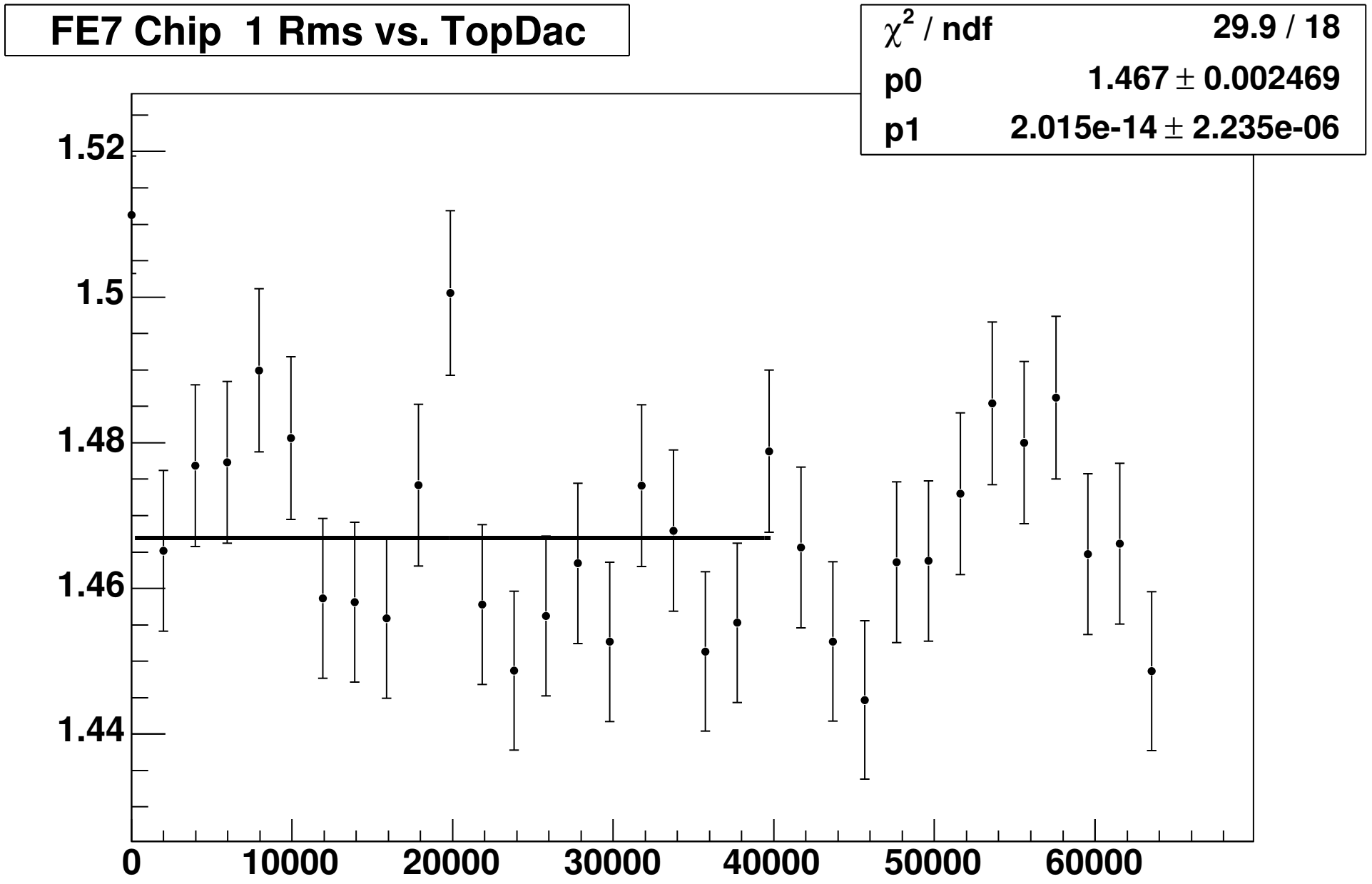
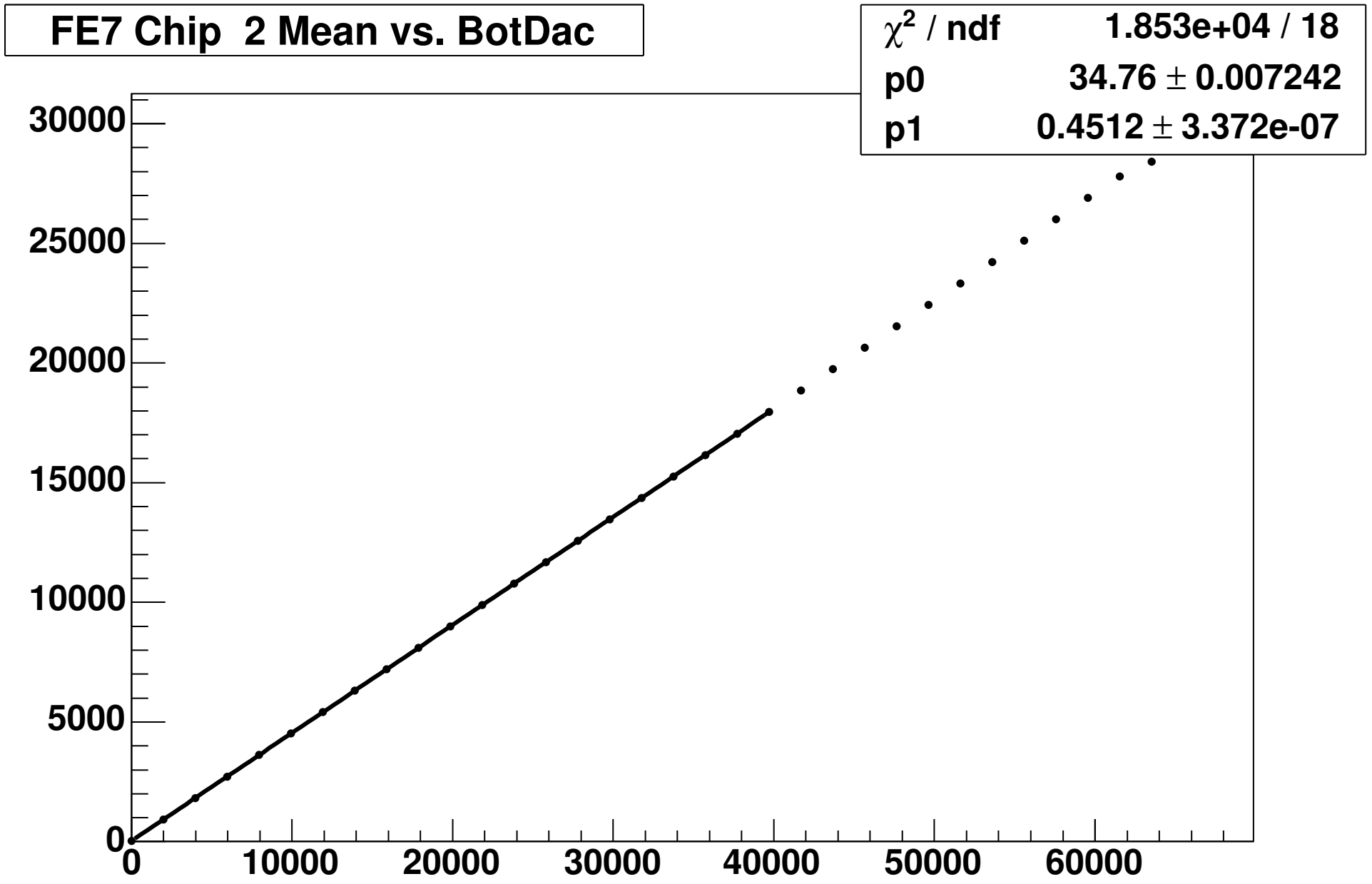
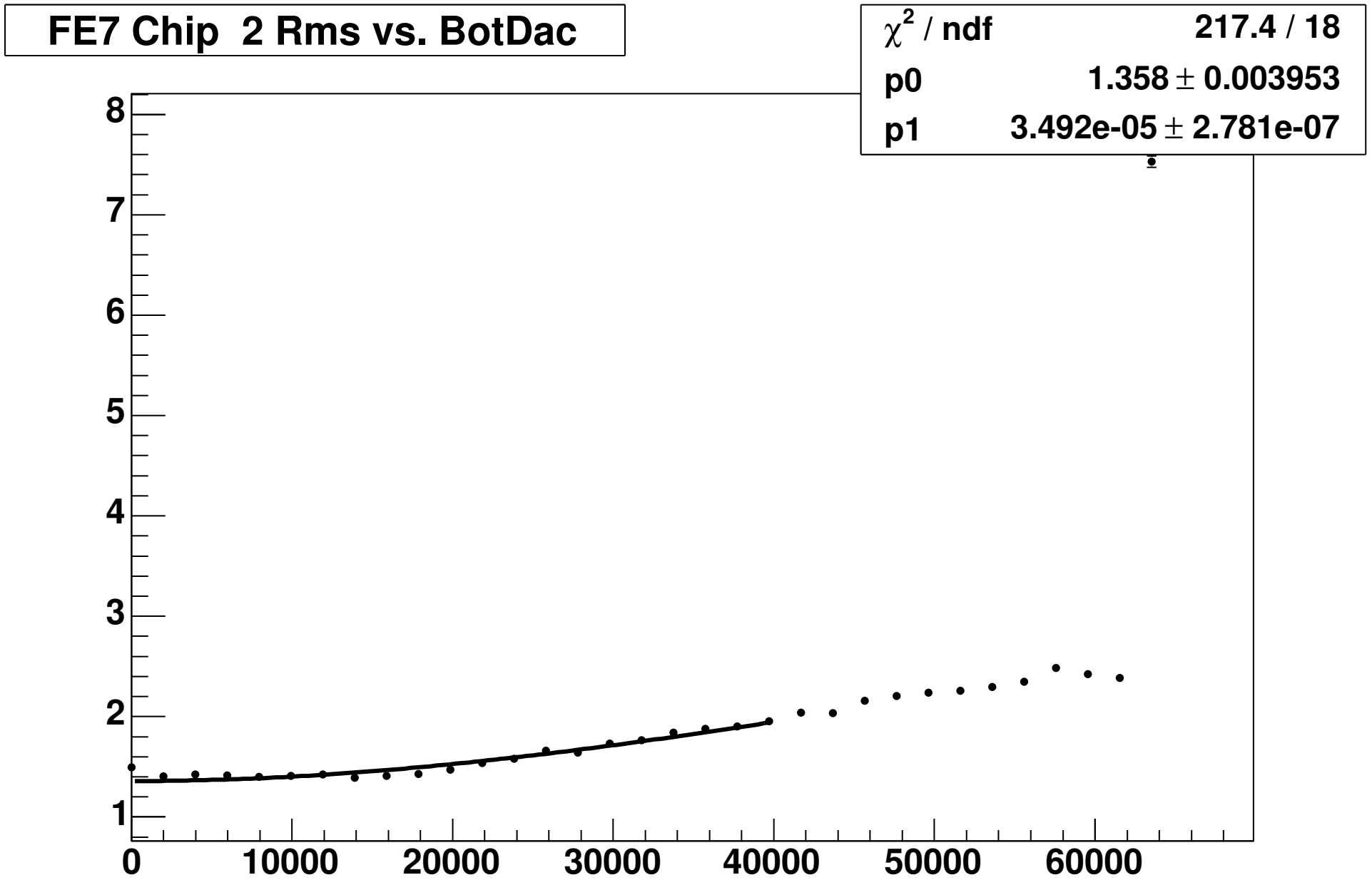
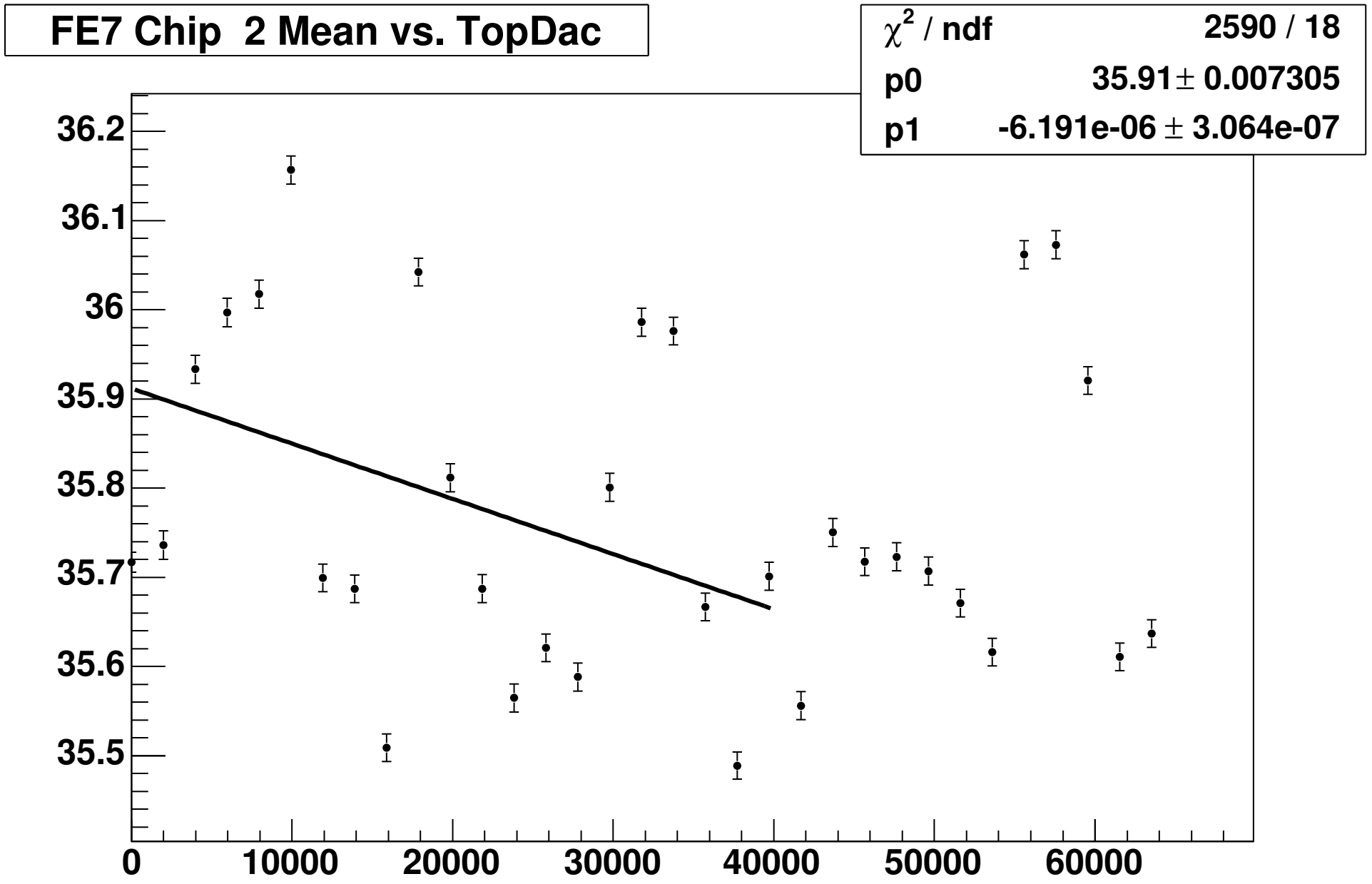
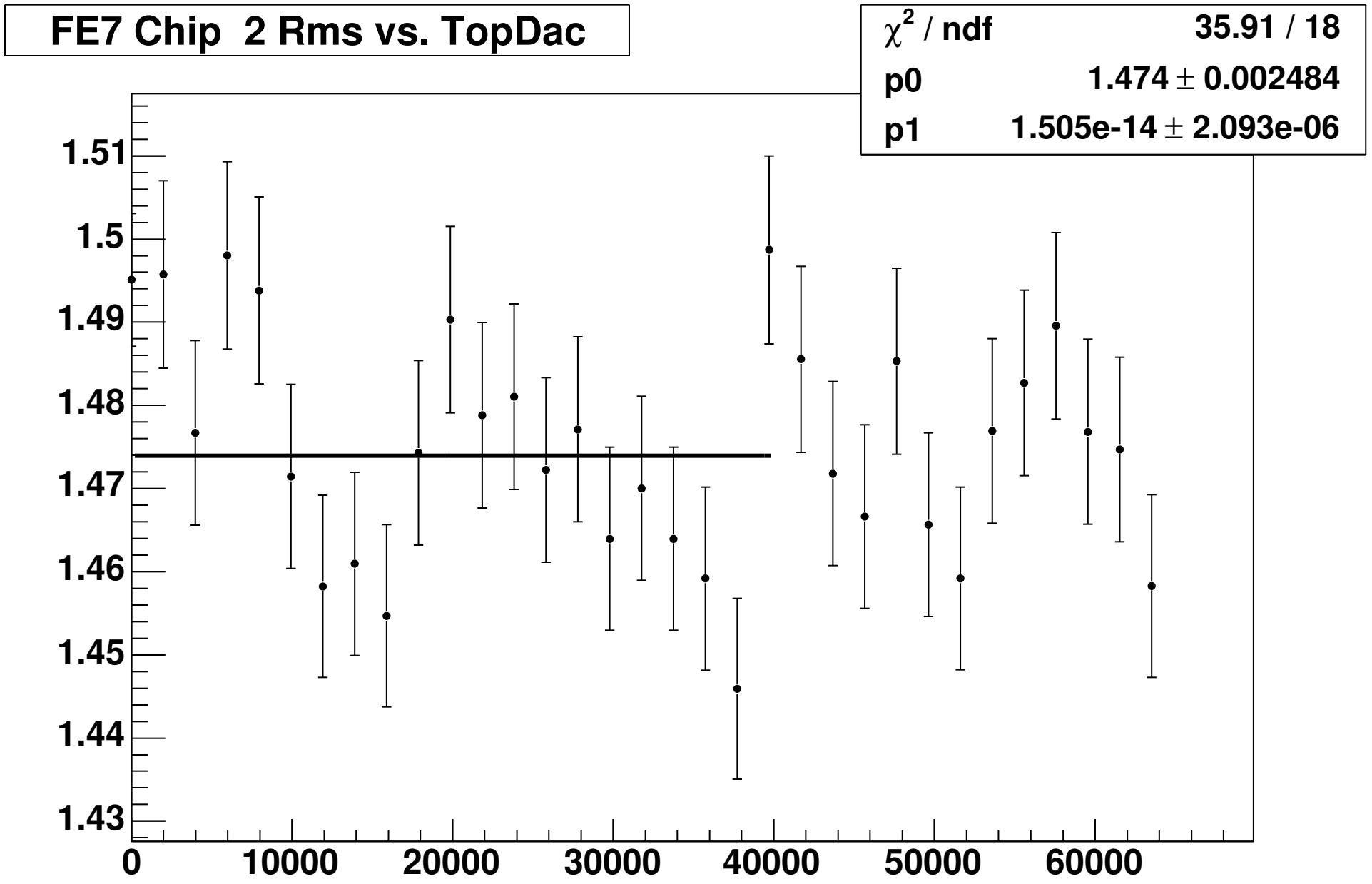
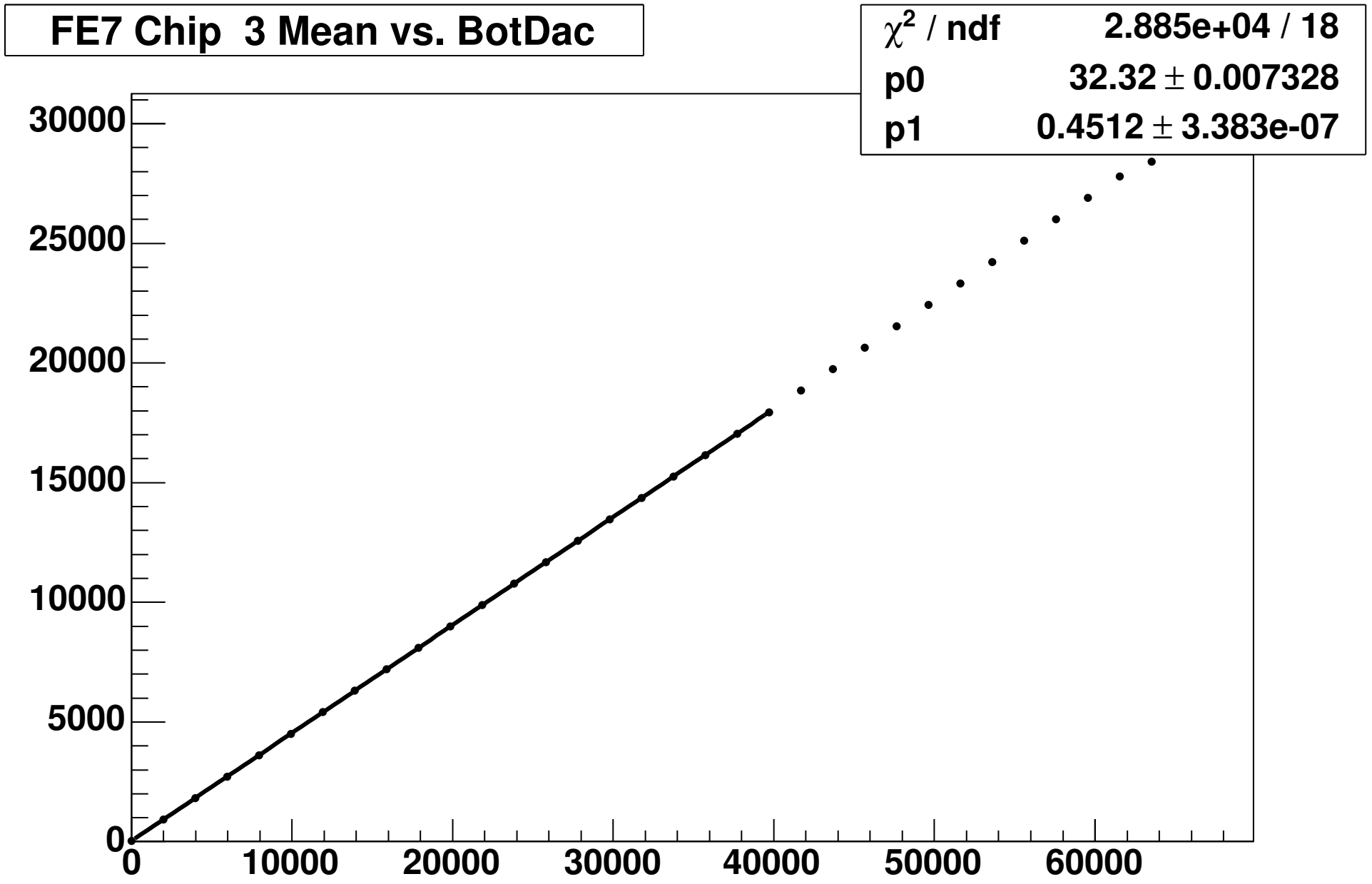

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 29.9 / 18
p0 1.467 ± 0.002469
p1 2.015e-14 ± 2.235e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

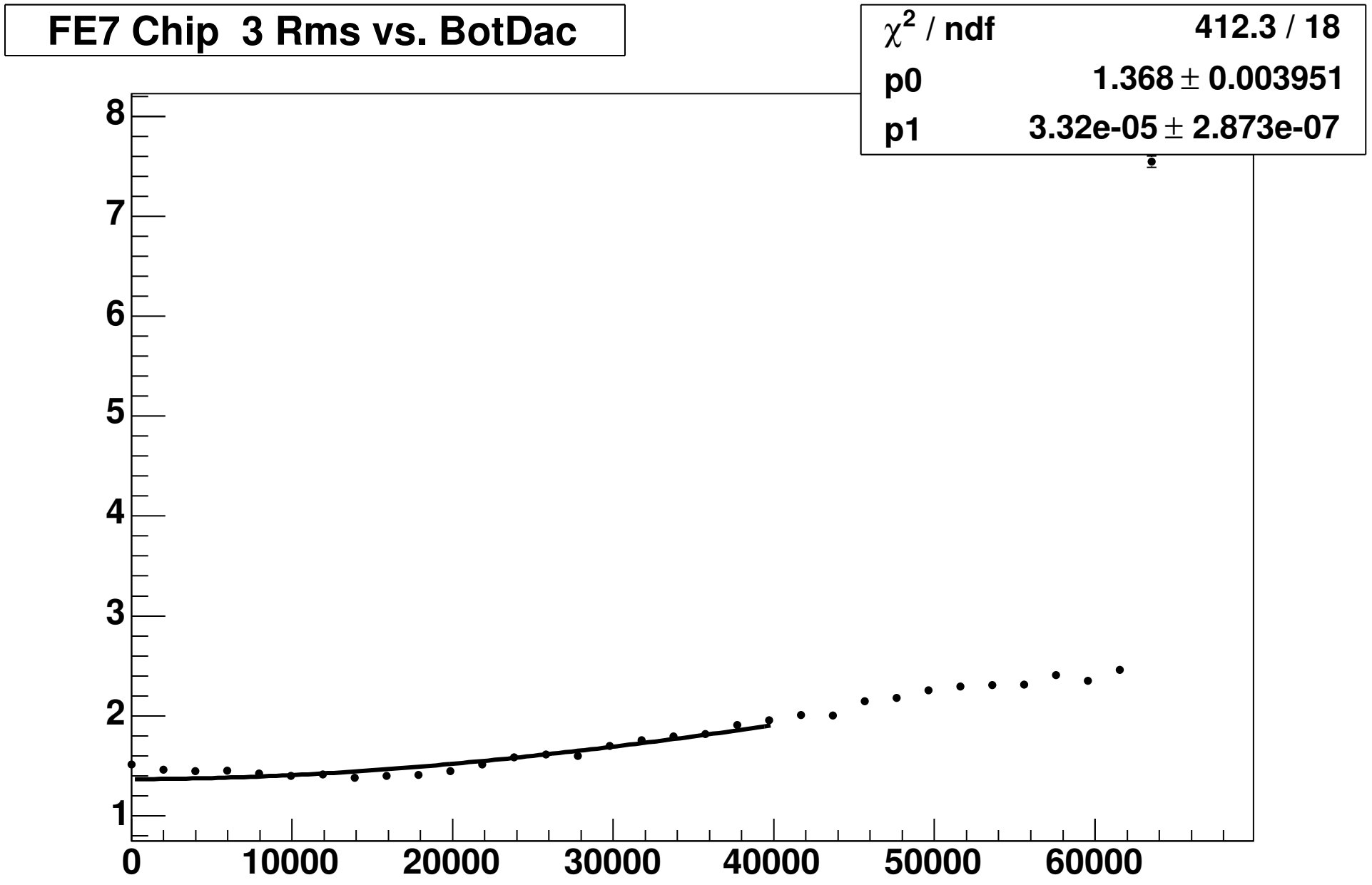

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.853e+04 / 18
p0 34.76 ± 0.007242
p1 0.4512 ± 3.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 217.4 / 18
p0 1.358 ± 0.003953
p1 3.492e-05 ± 2.781e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 2590 / 18
p0 35.91 ± 0.007305
p1 -6.191e-06 ± 3.064e-07
36.2
36.1
36
35.9
35.8
35.7
35.6
35.5
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. TopDac
χ^2 / ndf 35.91 / 18
p0 1.474 ± 0.002484
p1 1.505e-14 ± 2.093e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 2.885e+04 / 18
p0 32.32 ± 0.007328
p1 0.4512 ± 3.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 412.3 / 18
p0 1.368 ± 0.003951
p1 3.32e-05 ± 2.873e-07
8
7
6
5
4
3
2
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0
10000
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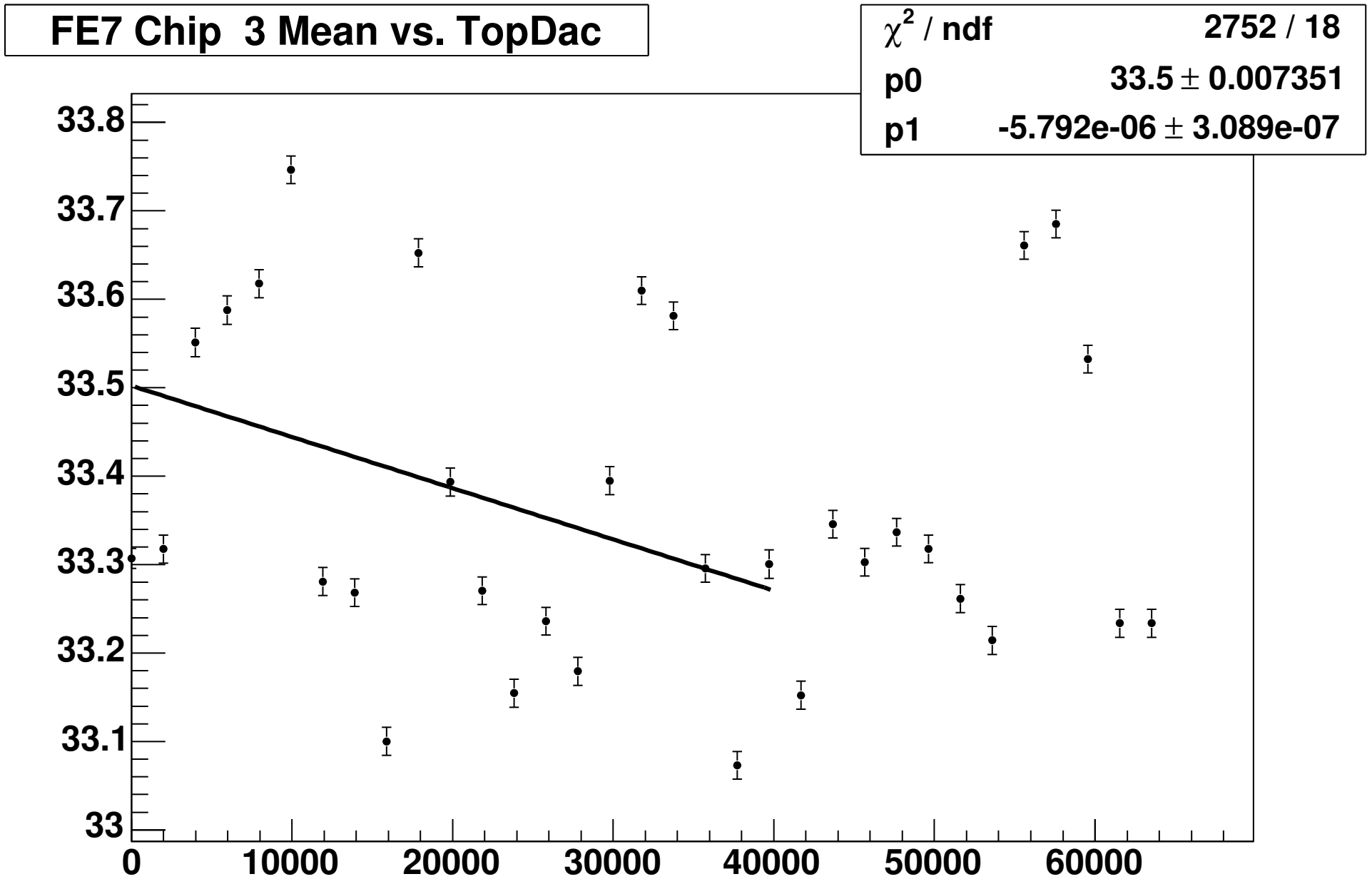
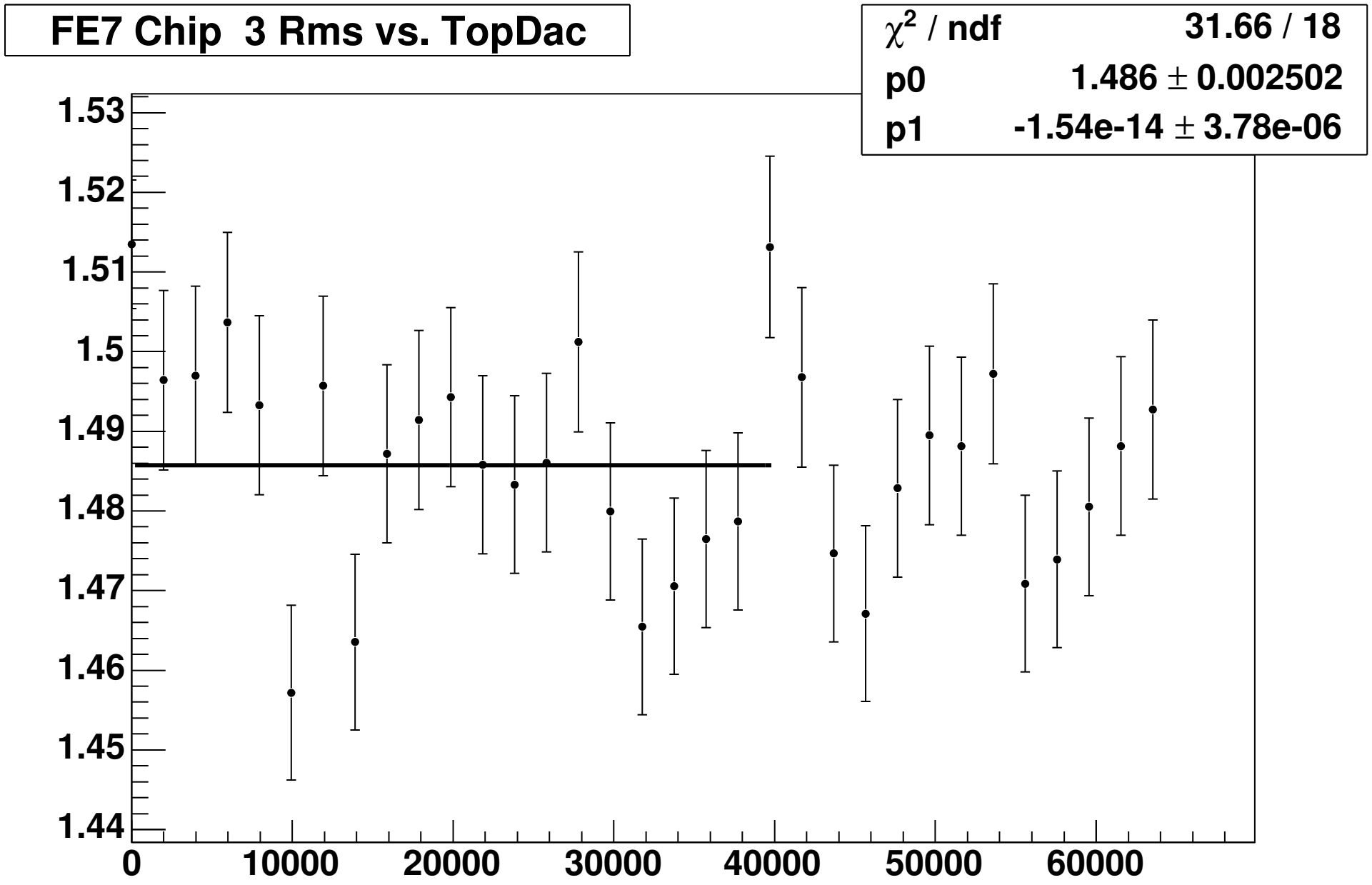
30000
40000
50000
60000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 2752 / 18
p0 33.5 ± 0.007351
p1 -5.792e-06 ± 3.089e-07
33.8
33.7
33.6
33.5
33.4
33.3
33.2
33.1
33
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. TopDac
χ^2 / ndf 31.66 / 18
p0 1.486 ± 0.002502
p1 -1.54e-14 ± 3.78e-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
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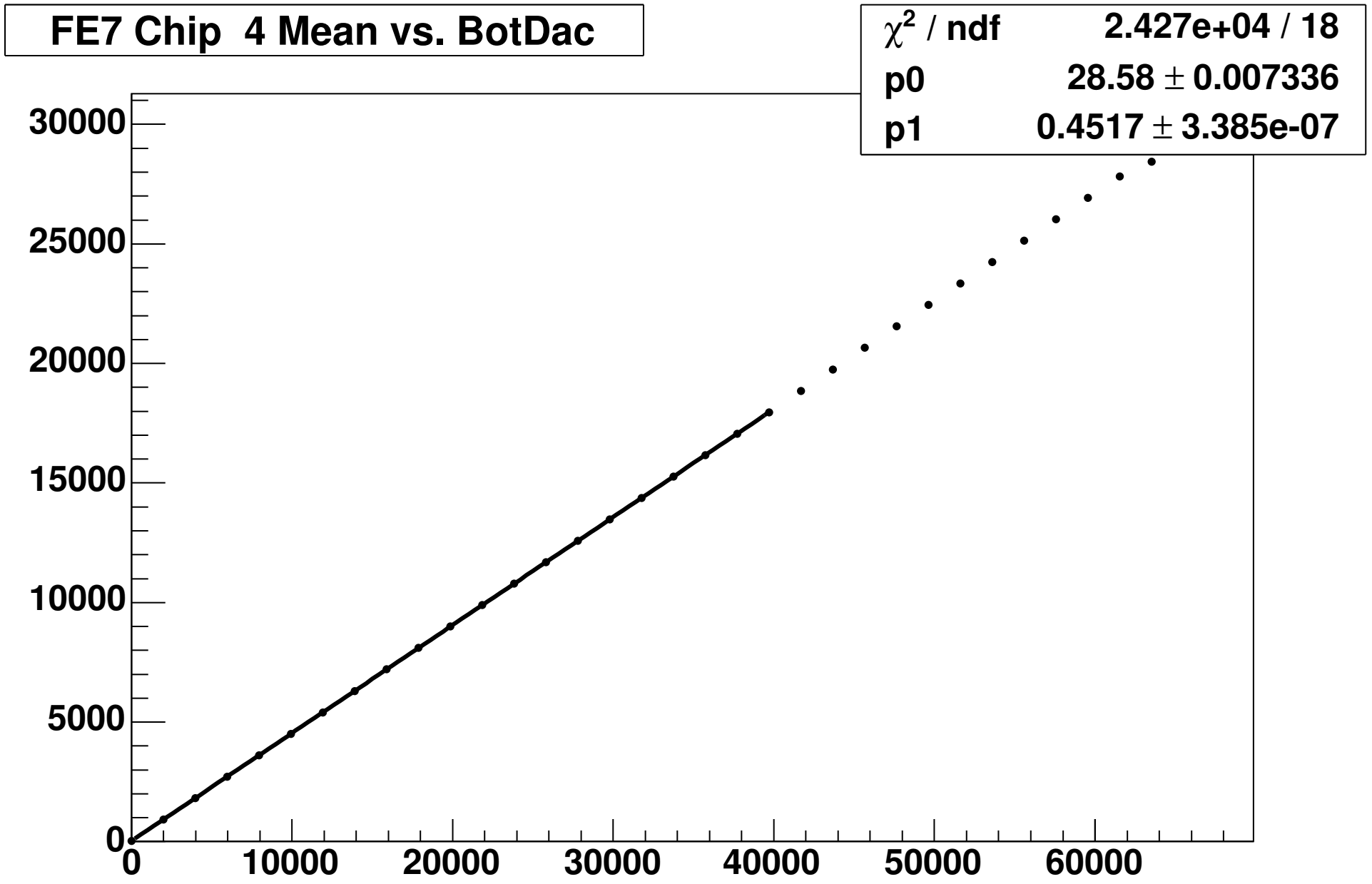
60000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 2.427e+04 / 18
p0 28.58 ± 0.007336
p1 0.4517 ± 3.385e-07
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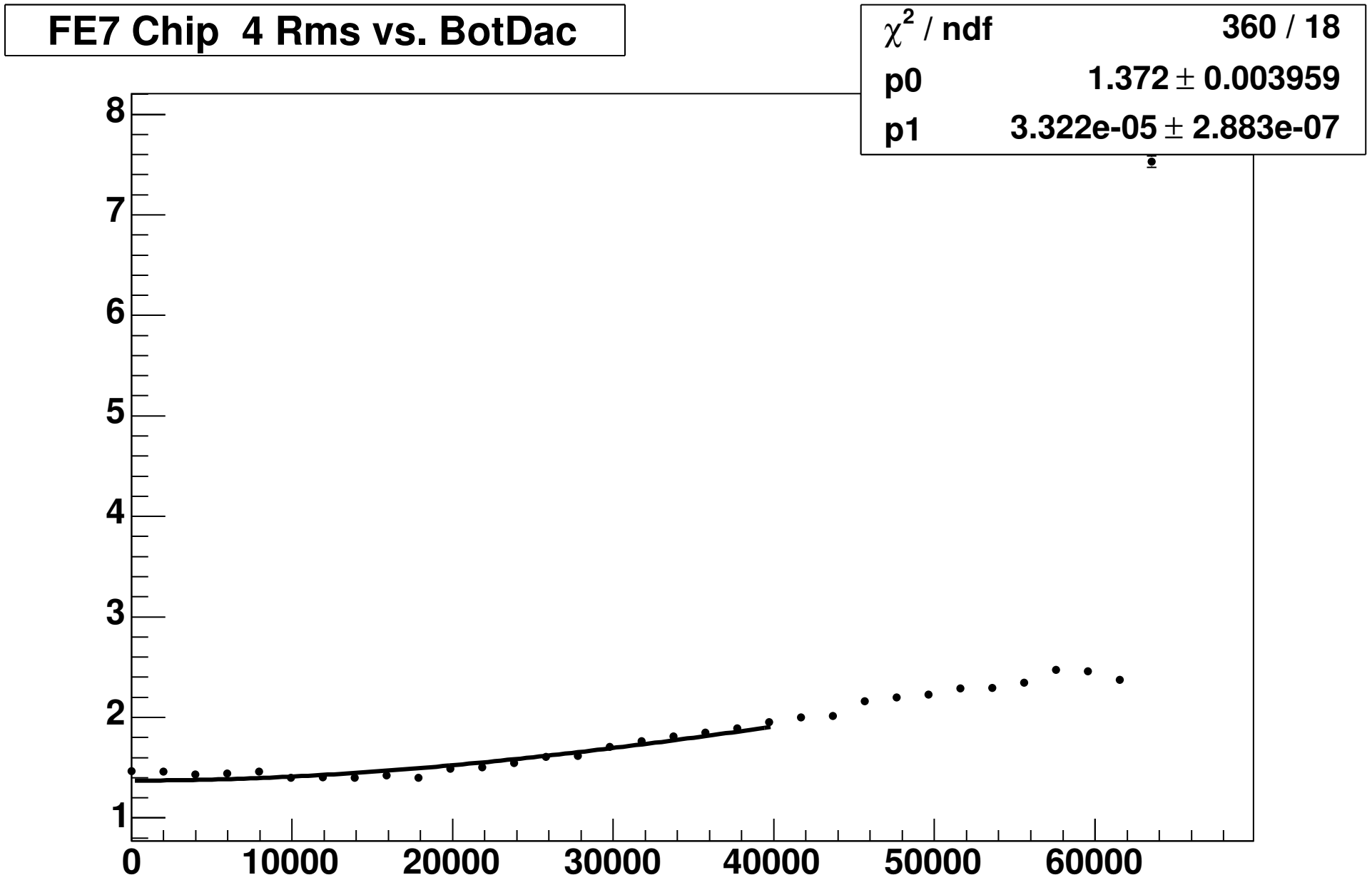
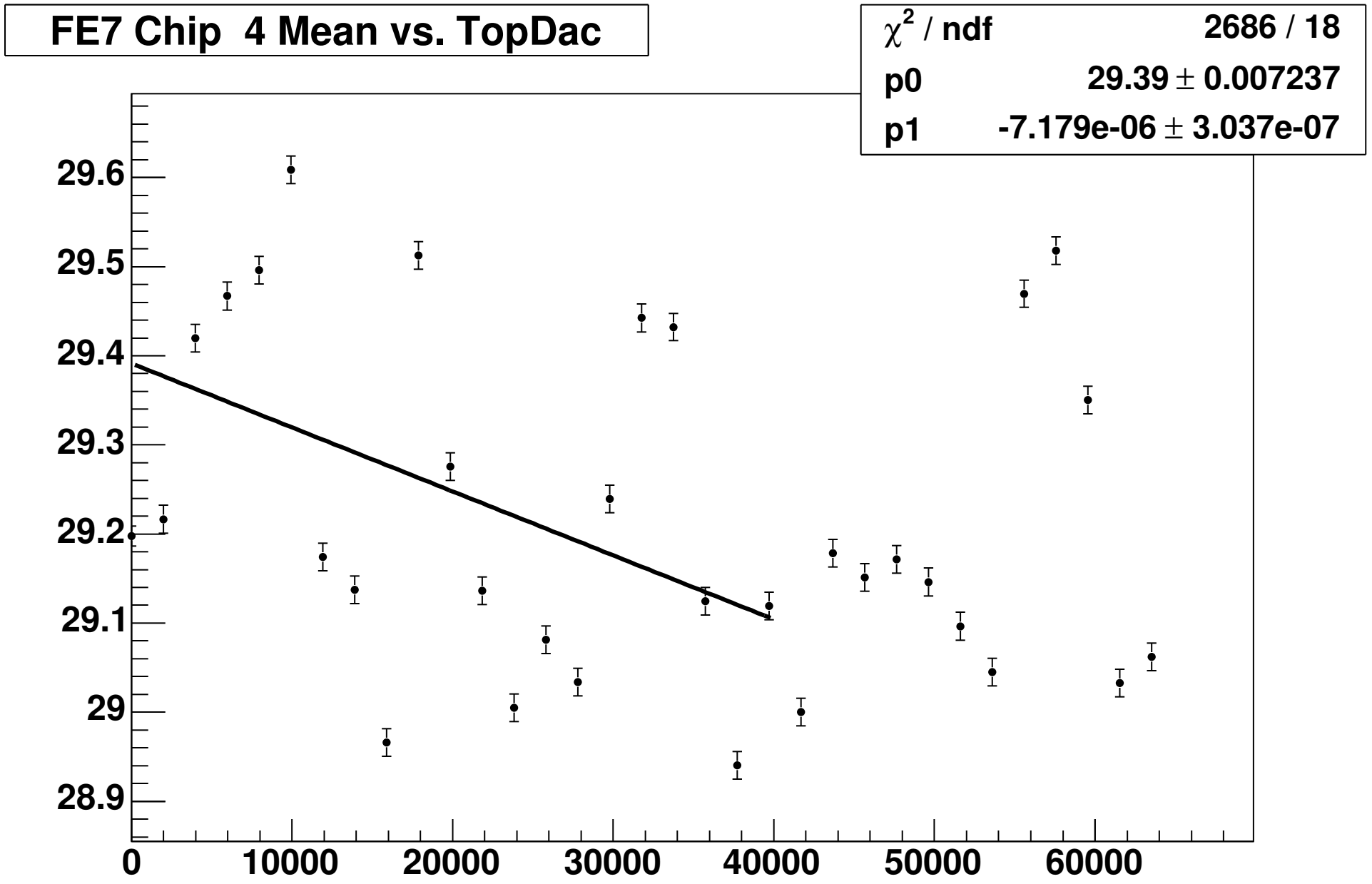
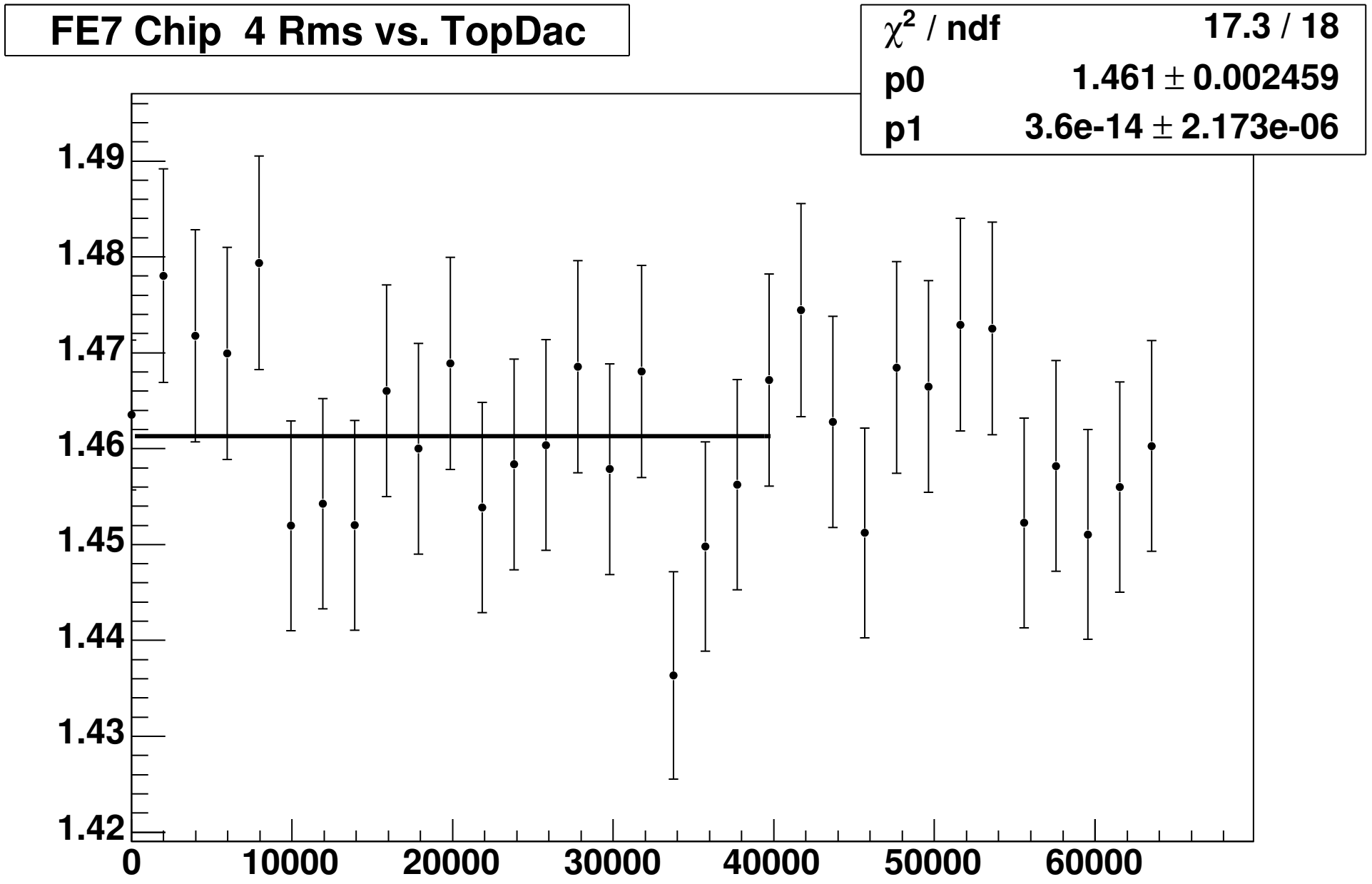
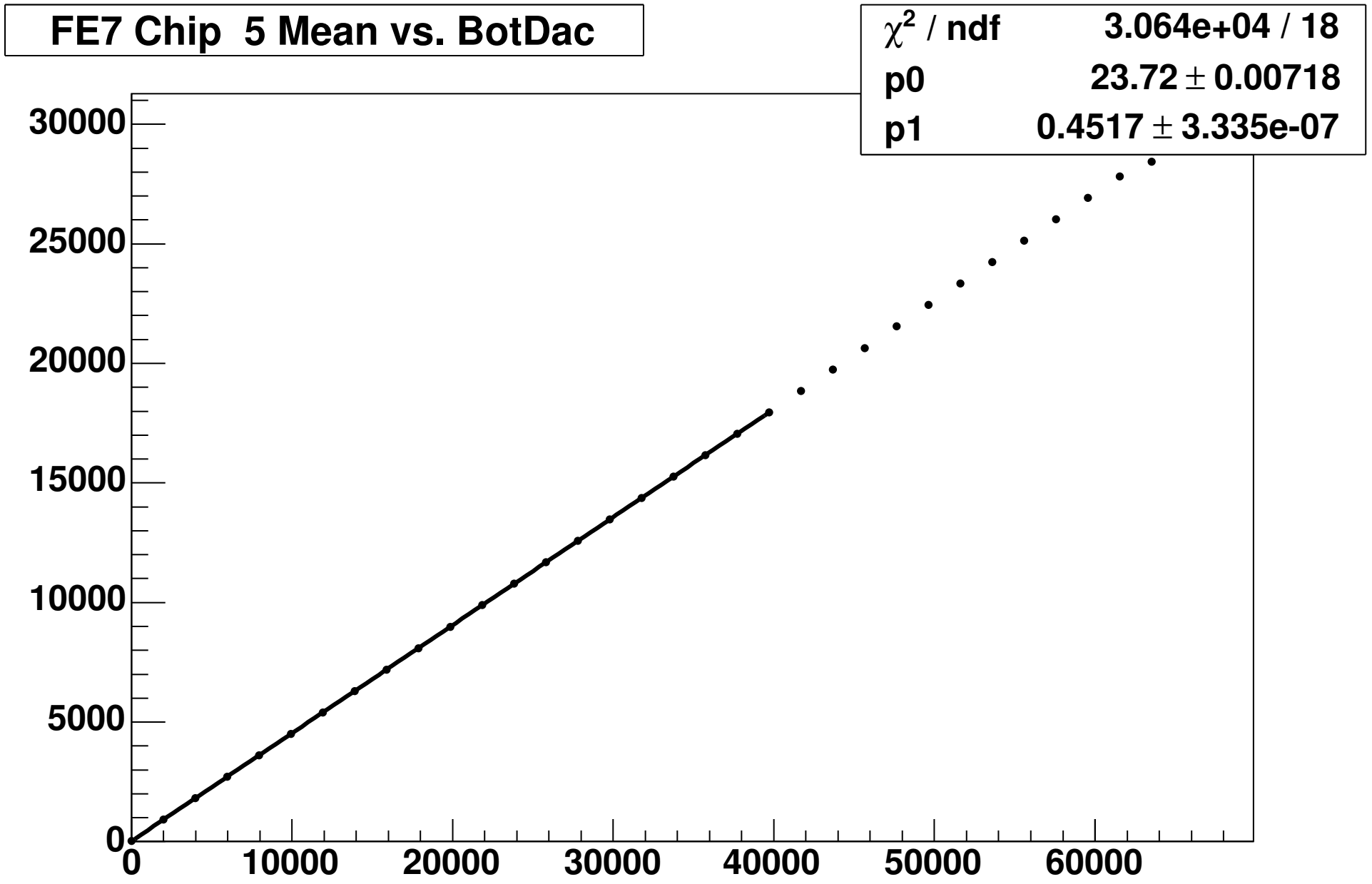
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 360 / 18
p0 1.372 ± 0.003959
p1 3.322e-05 ± 2.883e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 2686 / 18
p0 29.39 ± 0.007237
p1 -7.179e-06 ± 3.037e-07
29.6
29.5
29.4
29.3
29.2
29.1
29
28.9
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Rms vs. TopDac
χ^2 / ndf 17.3 / 18
p0 1.461 ± 0.002459
p1 3.6e-14 ± 2.173e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.064e+04 / 18
p0 23.72 ± 0.00718
p1 0.4517 ± 3.335e-07
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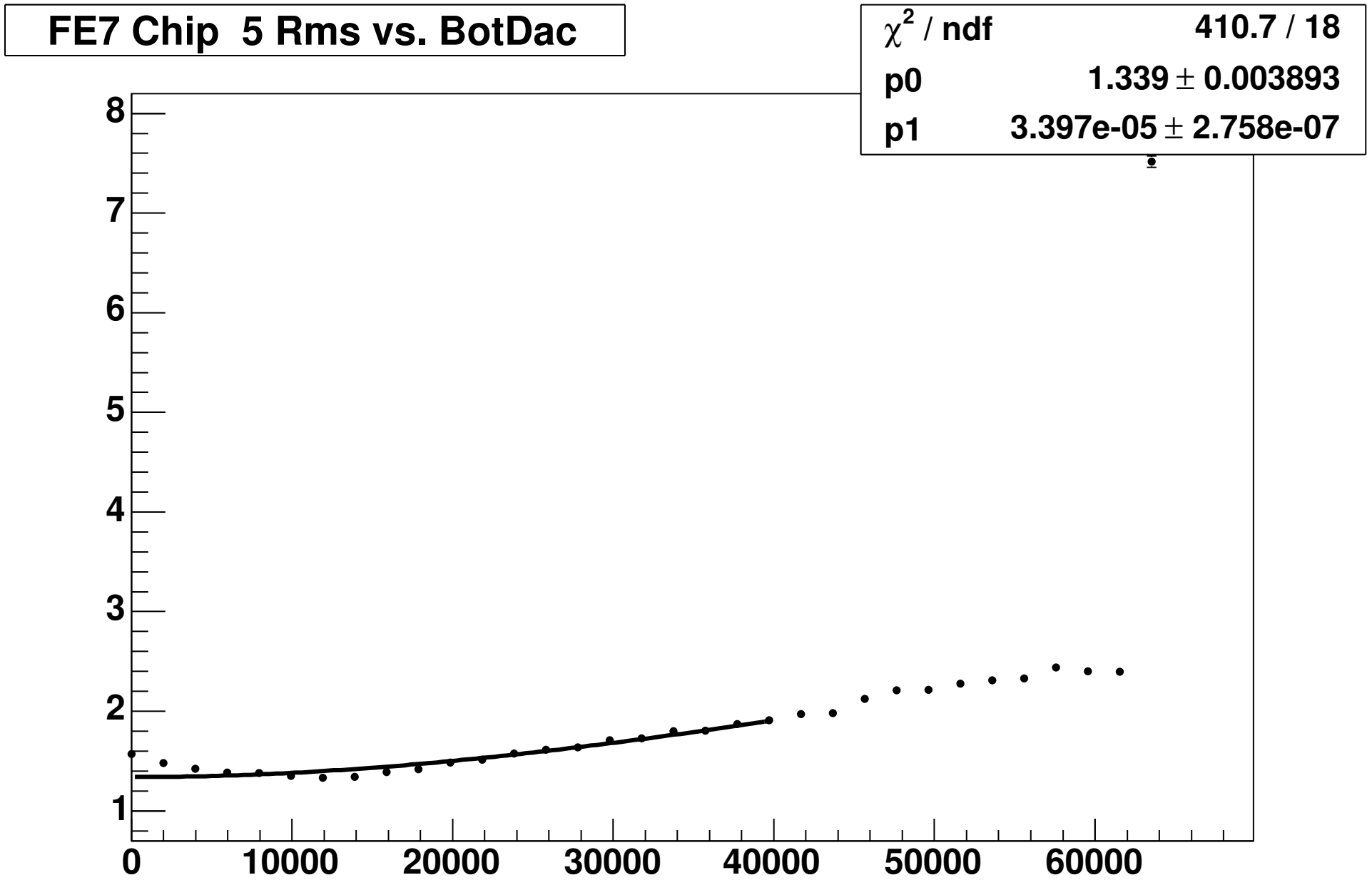
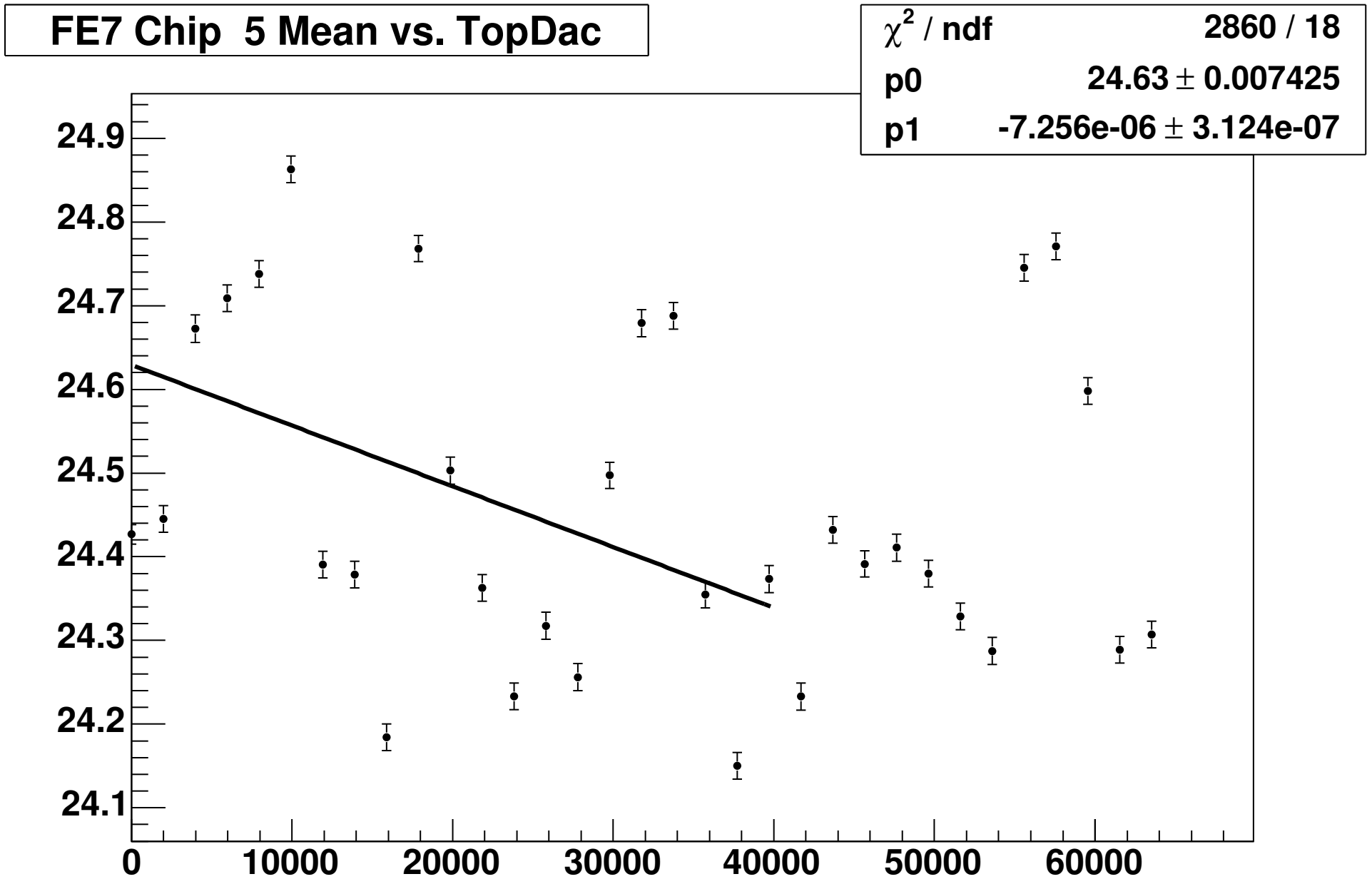
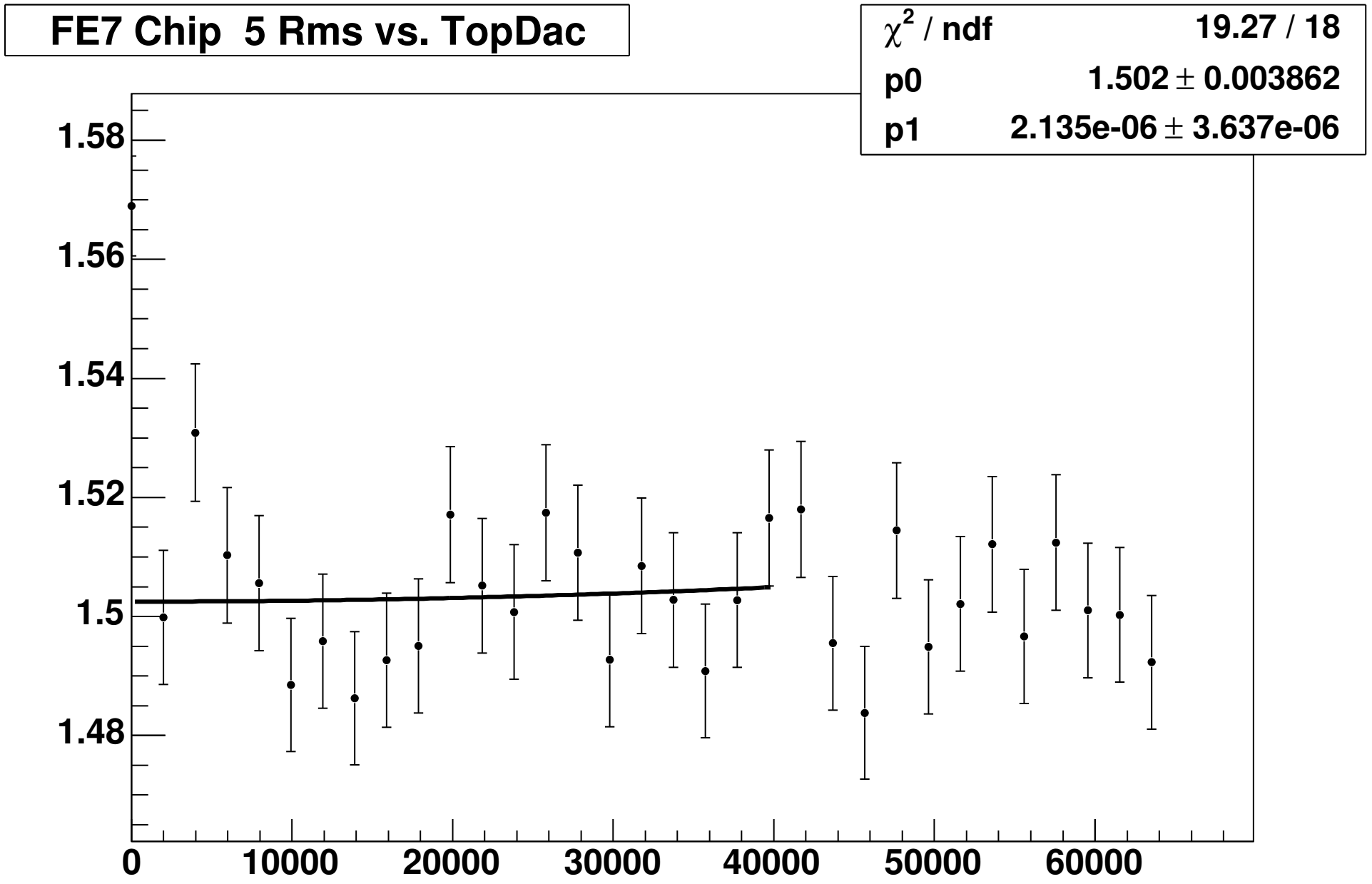
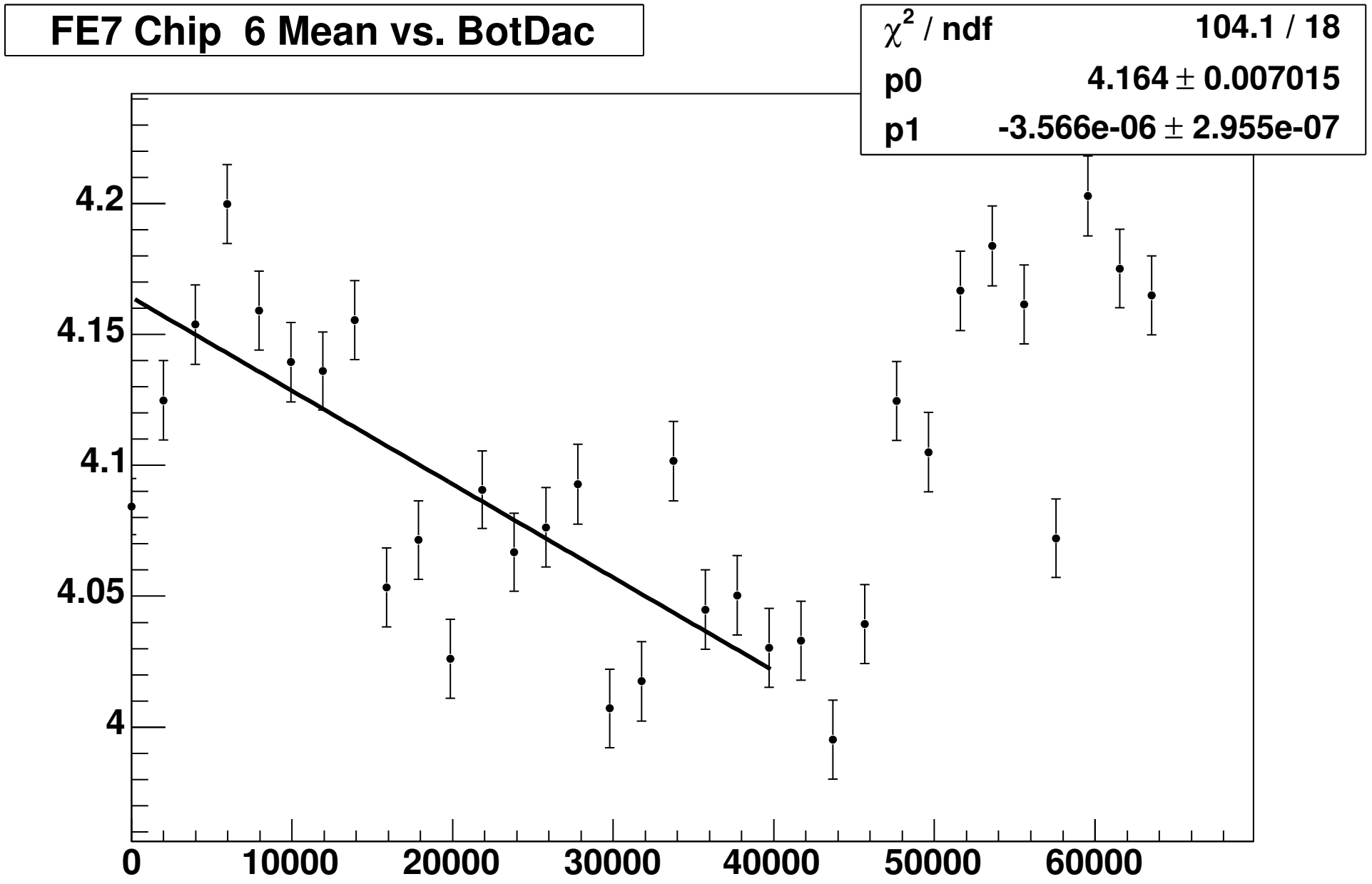
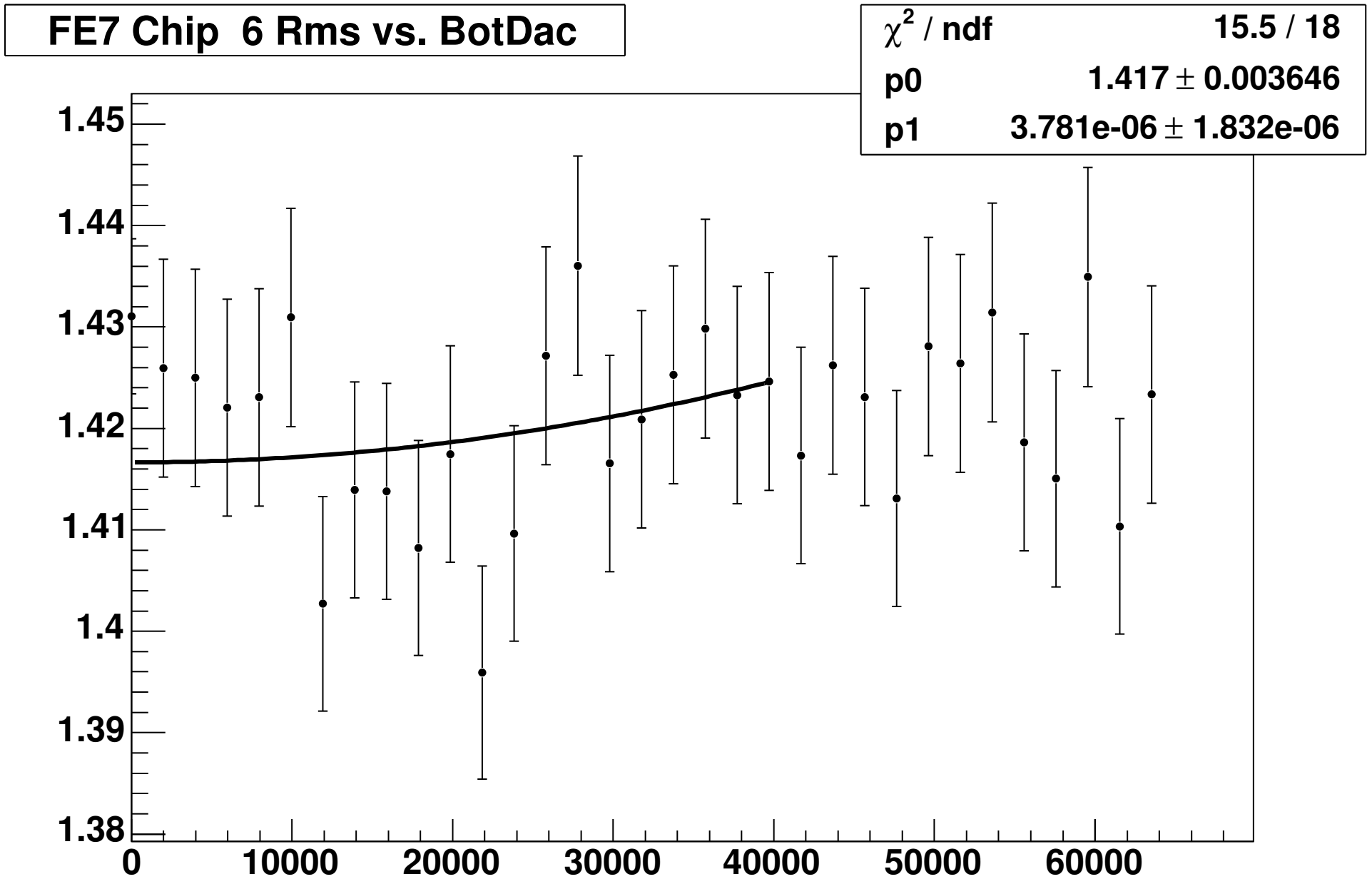
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

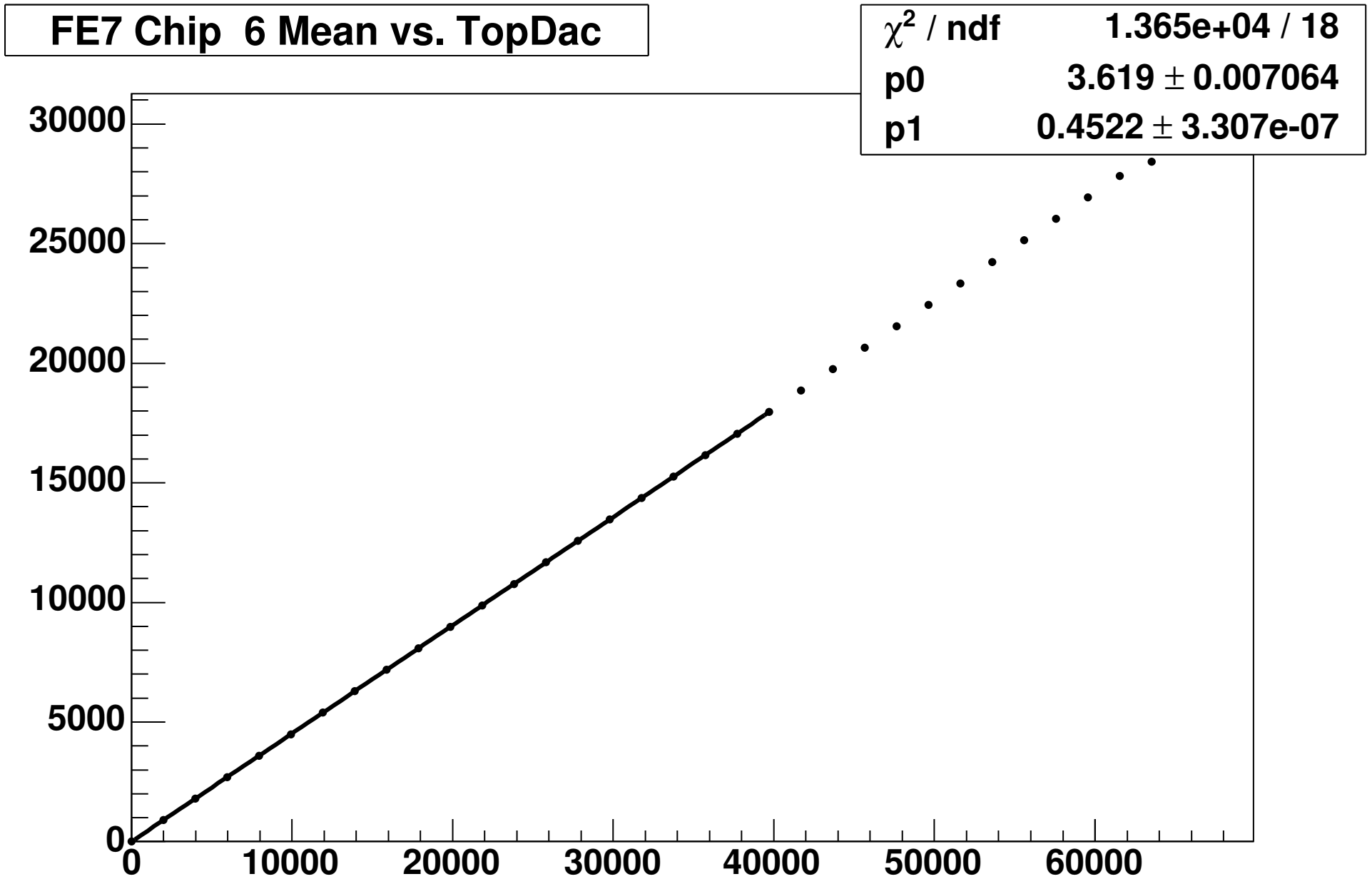

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 410.7 / 18
p0 1.339 ± 0.003893
p1 3.397e-05 ± 2.758e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

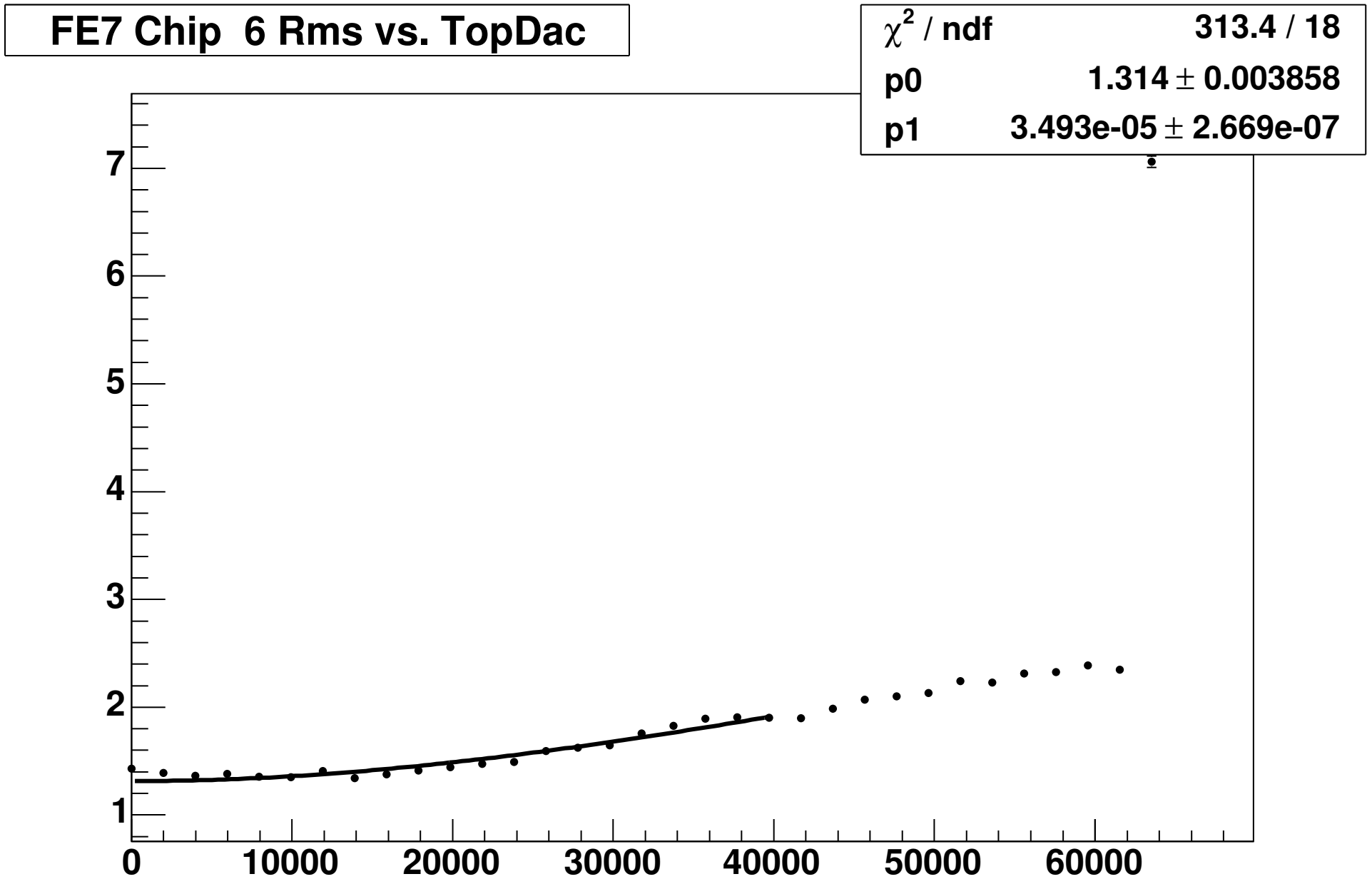

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 2860 / 18
p0 24.63 ± 0.007425
p1 -7.256e-06 ± 3.124e-07
24.9
24.8
24.7
24.6
24.5
24.4
24.3
24.2
24.1
0
10000
20000
30000
40000
50000
60000

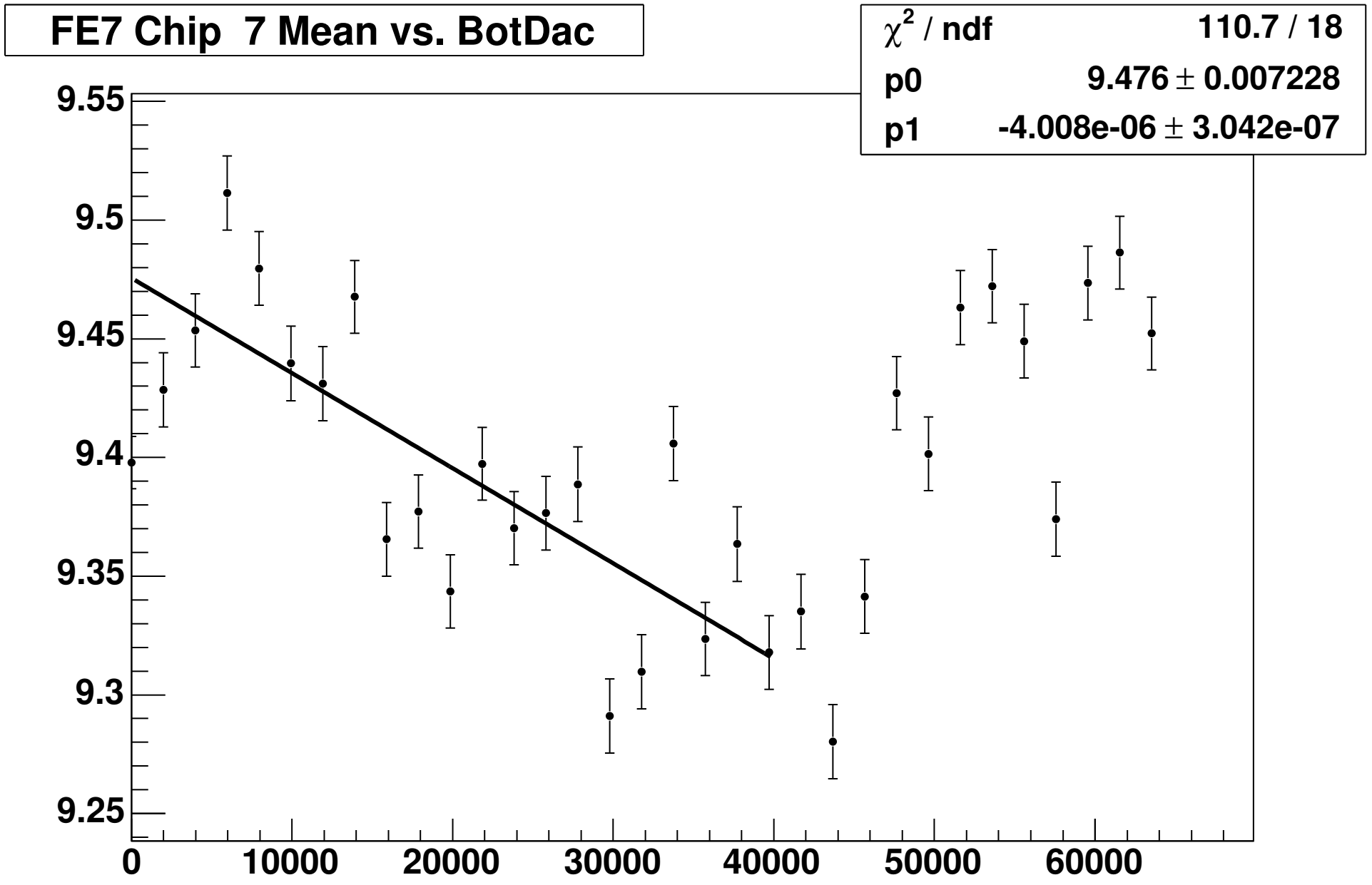

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 19.27 / 18
p0 1.502 ± 0.003862
p1 2.135e-06 ± 3.637e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

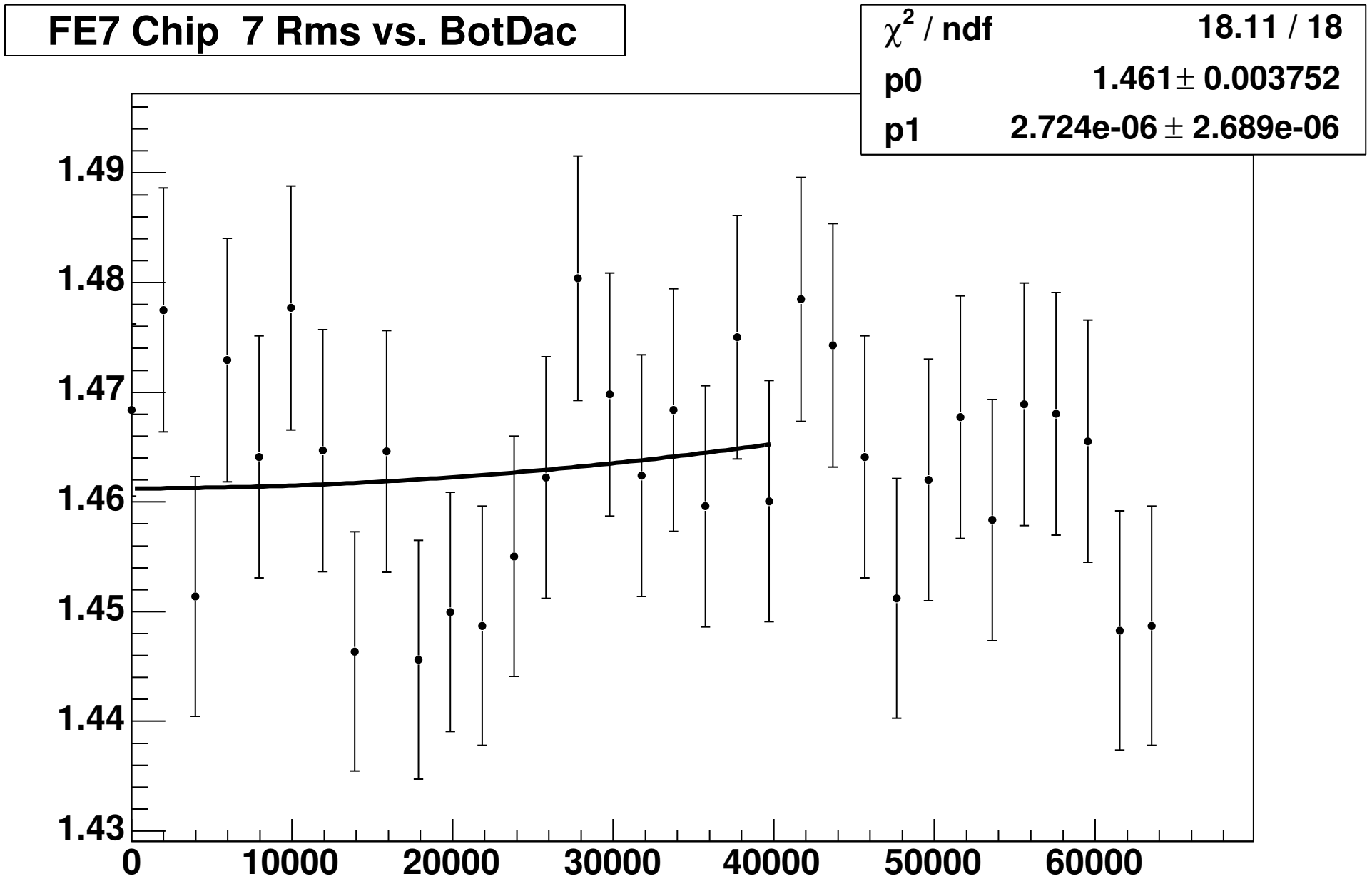

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 104.1 / 18
p0 4.164 ± 0.007015
p1 -3.566e-06 ± 2.955e-07
4.2
4.15
4.1
4.05
4
0
10000
20000
30000
40000
50000
60000

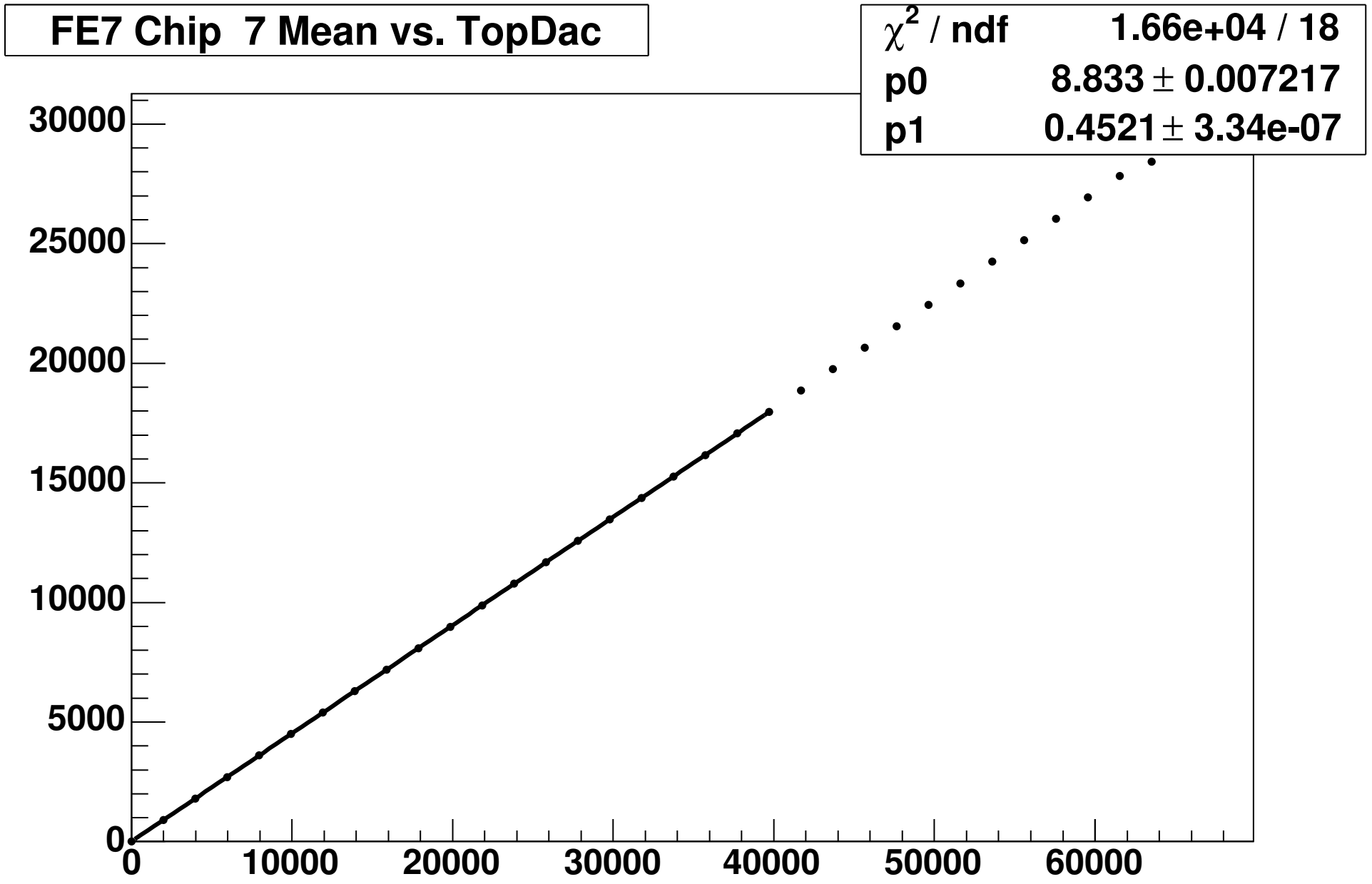

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 15.5 / 18
p0 1.417 ± 0.003646
p1 3.781e-06 ± 1.832e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

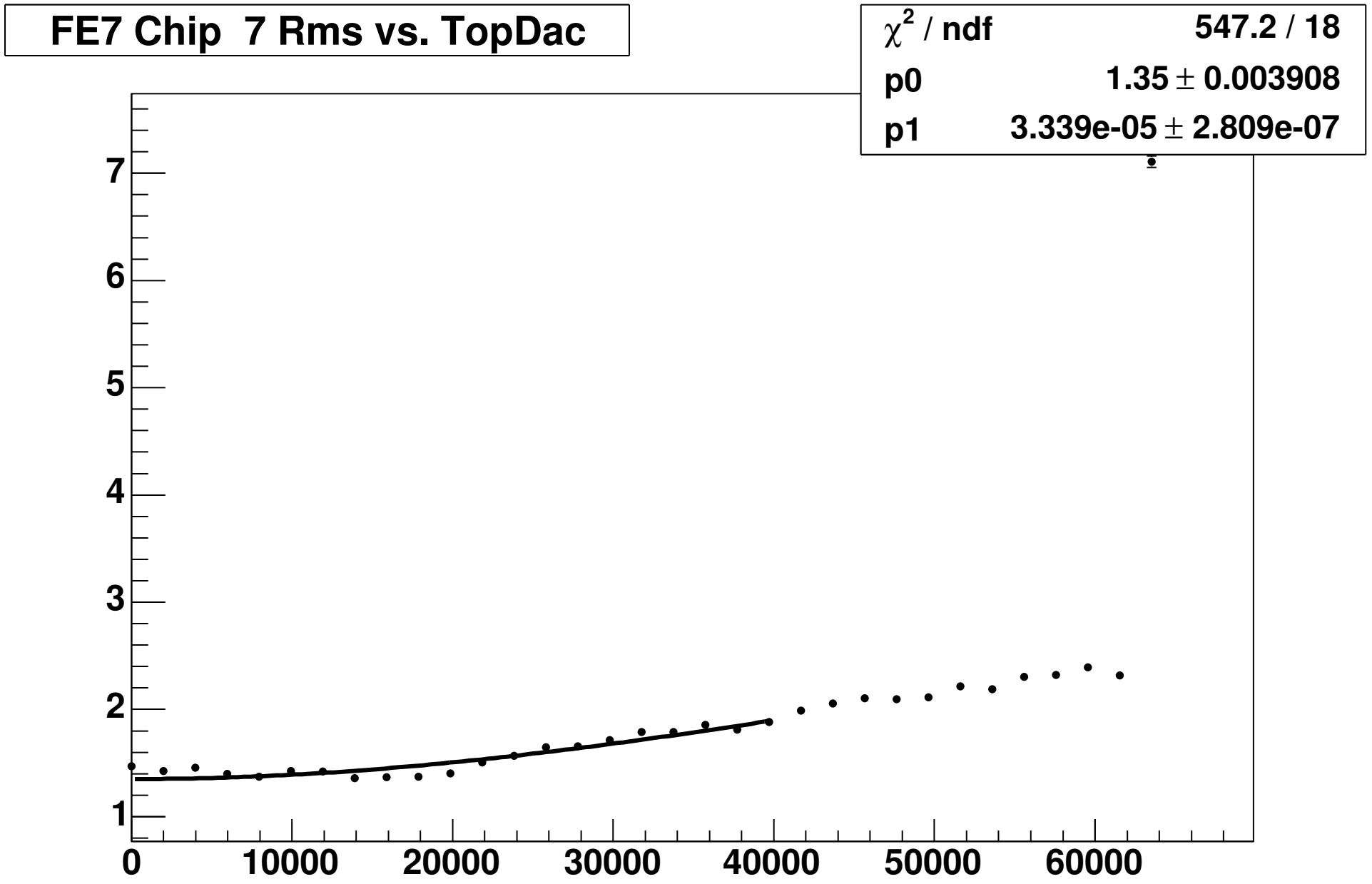

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.365e+04 / 18
p0 3.619 ± 0.007064
p1 0.4522 ± 3.307e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

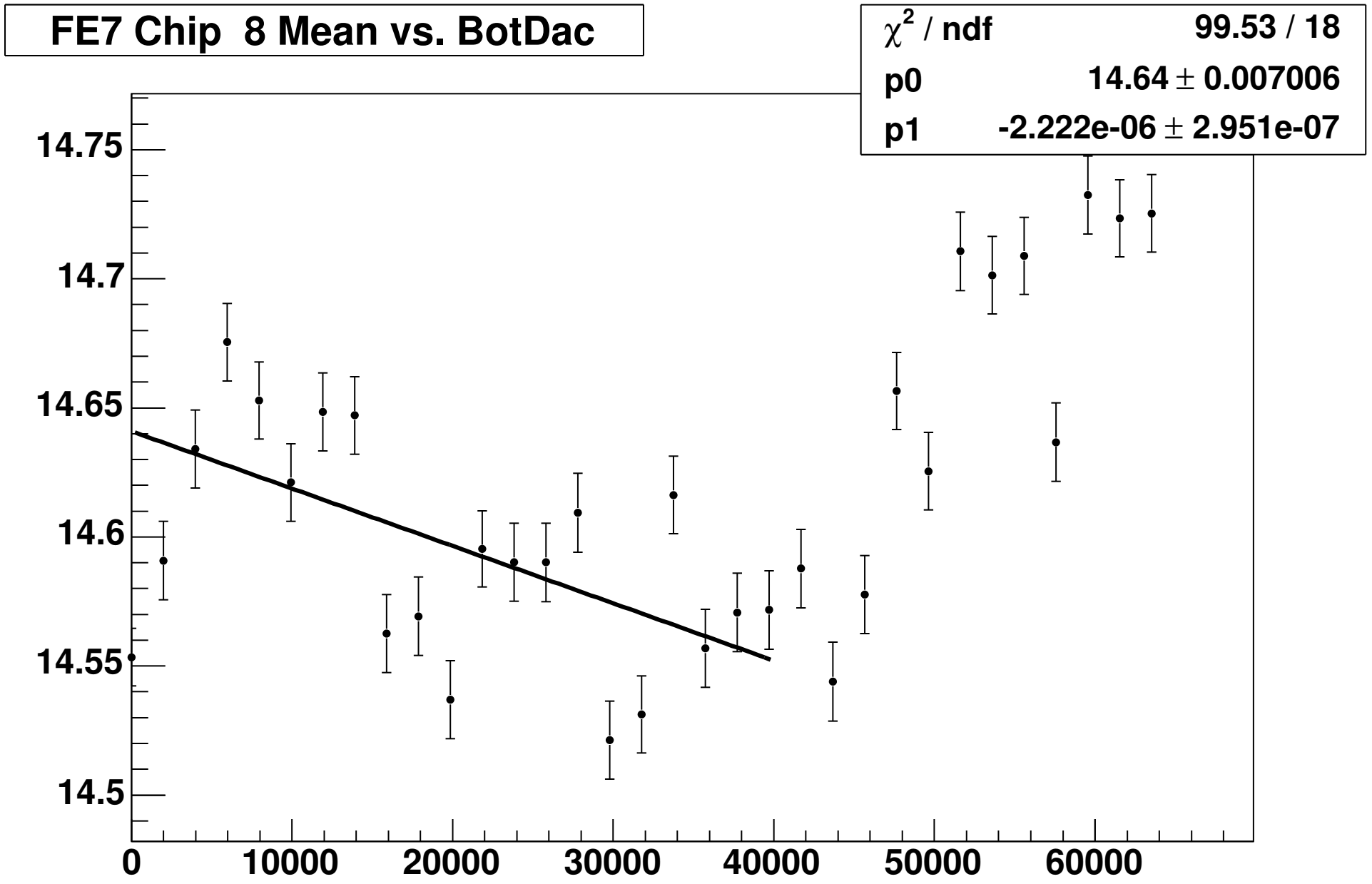

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 313.4 / 18
p0 1.314 ± 0.003858
p1 3.493e-05 ± 2.669e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

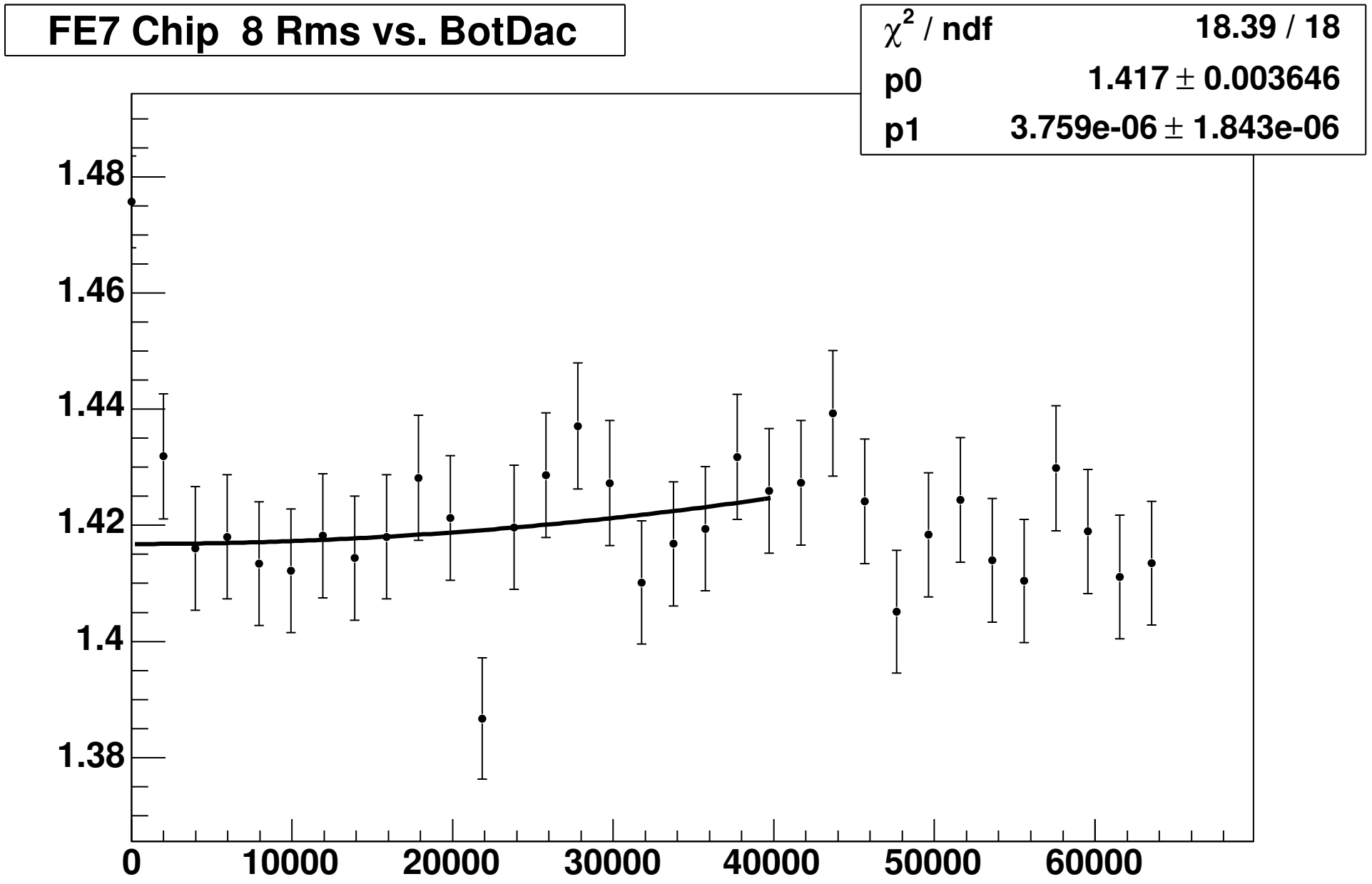

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 110.7 / 18
p0 9.476 ± 0.007228
p1 -4.008e-06 ± 3.042e-07
9.55
9.5
9.45
9.4
9.35
9.3
9.25
0
10000
20000
30000
40000
50000
60000

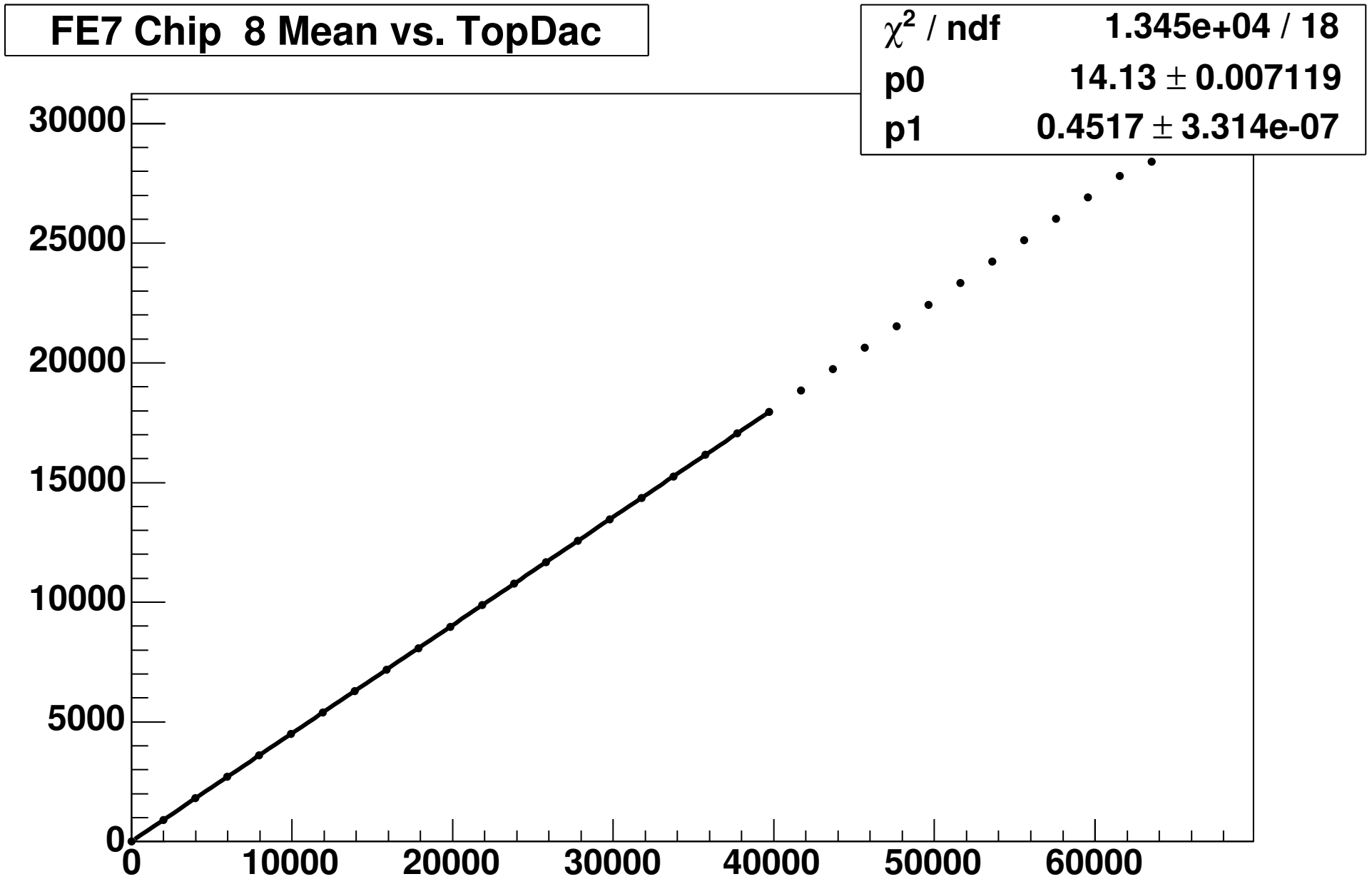

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 18.11 / 18
p0 1.461 ± 0.003752
p1 2.724e-06 ± 2.689e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

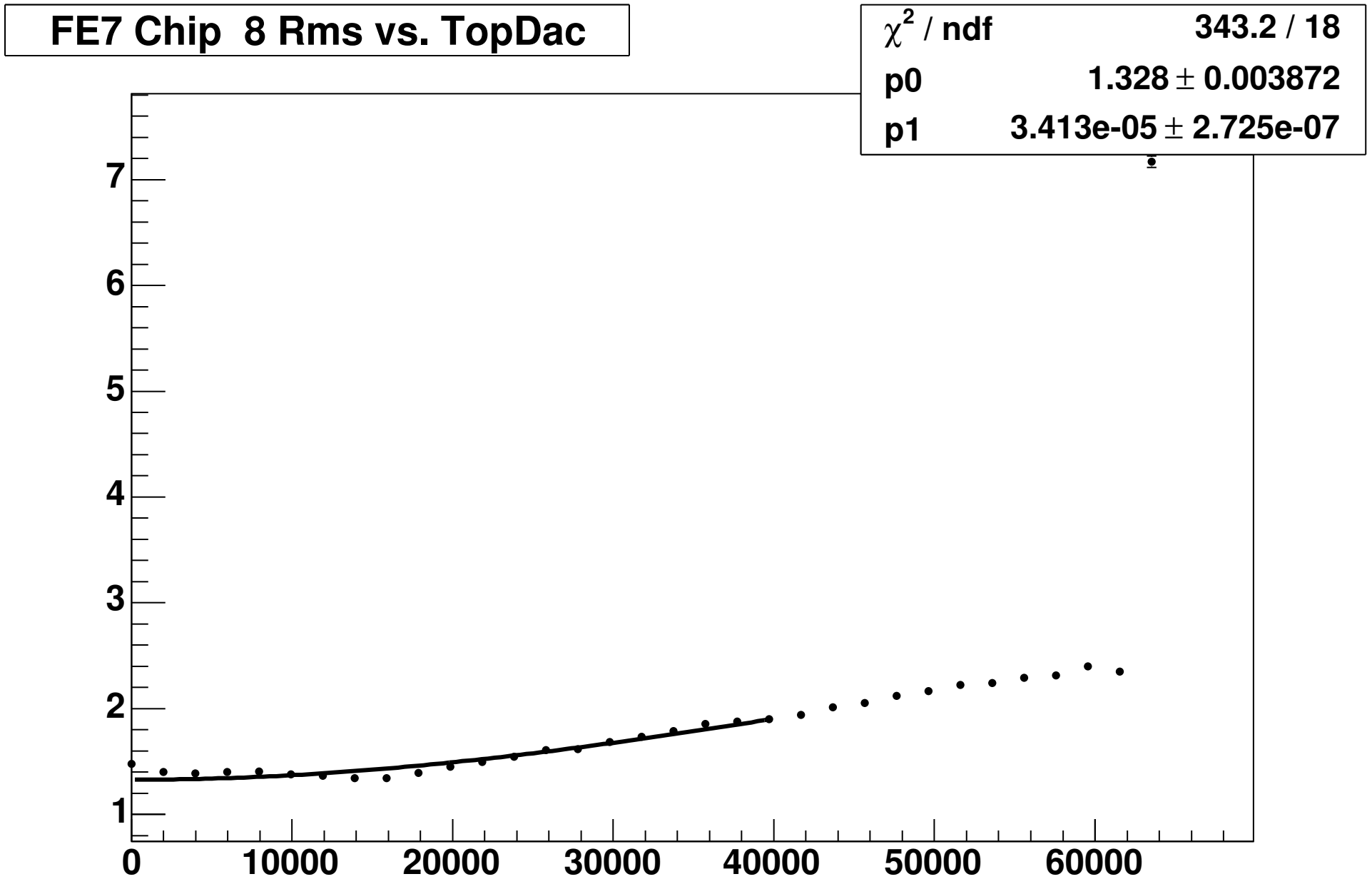

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.66e+04 / 18
p0 8.833 ± 0.007217
p1 0.4521 ± 3.34e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

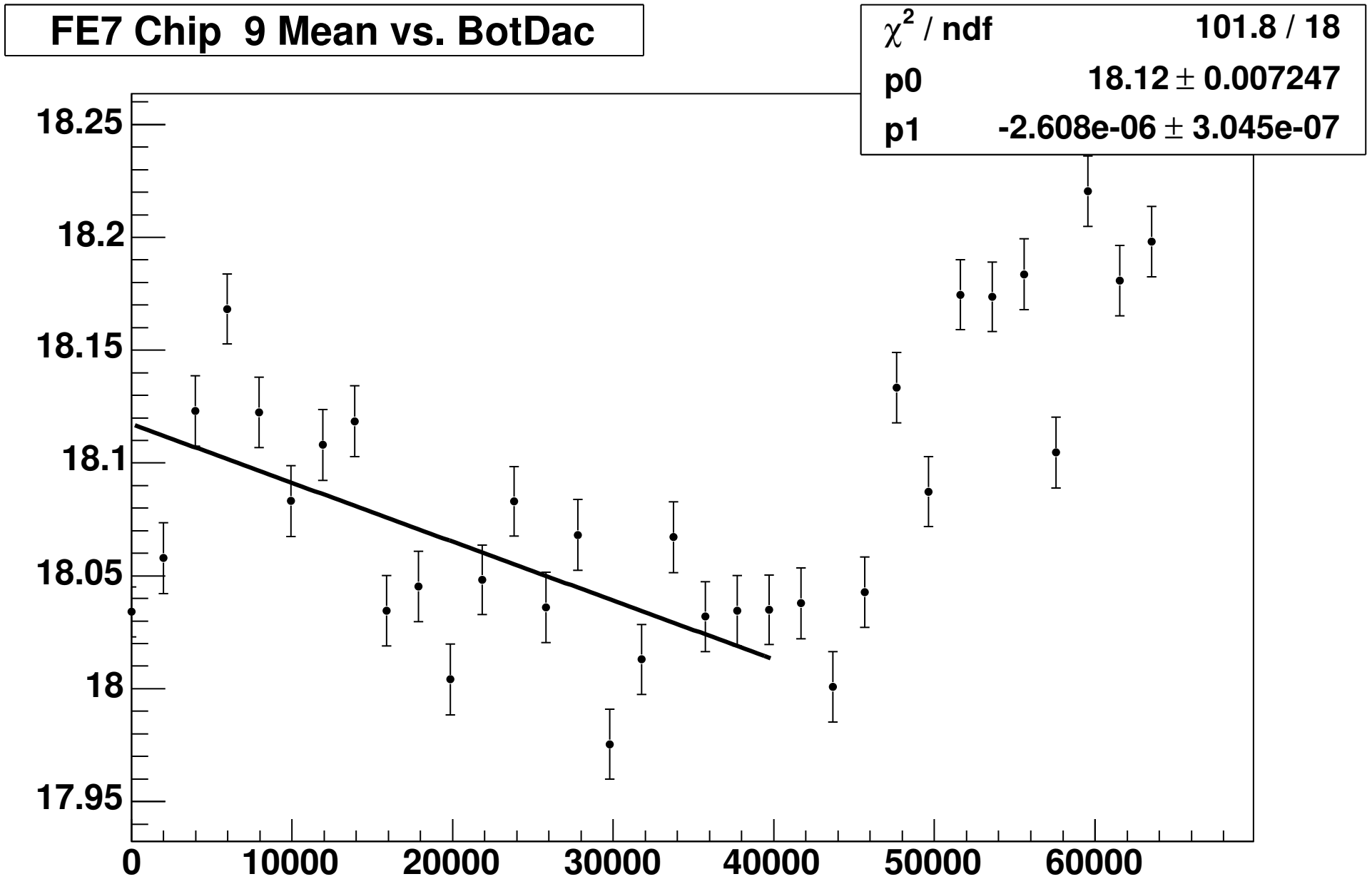

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 547.2 / 18
p0 1.35 ± 0.003908
p1 3.339e-05 ± 2.809e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

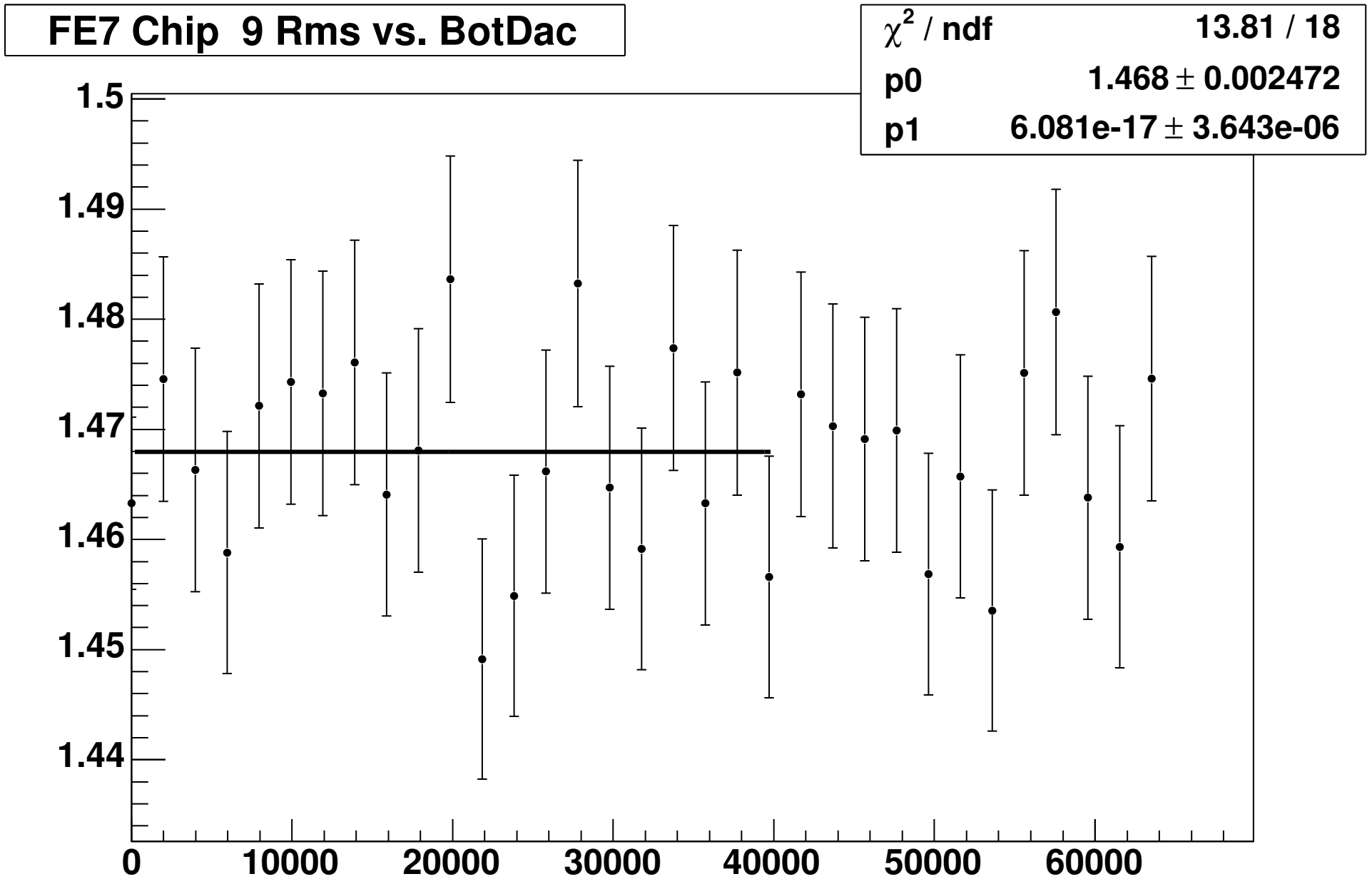

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 99.53 / 18
p0 14.64 ± 0.007006
p1 -2.222e-06 ± 2.951e-07
14.75
14.7
14.65
14.6
14.55
14.5
0
10000
20000
30000
40000
50000
60000

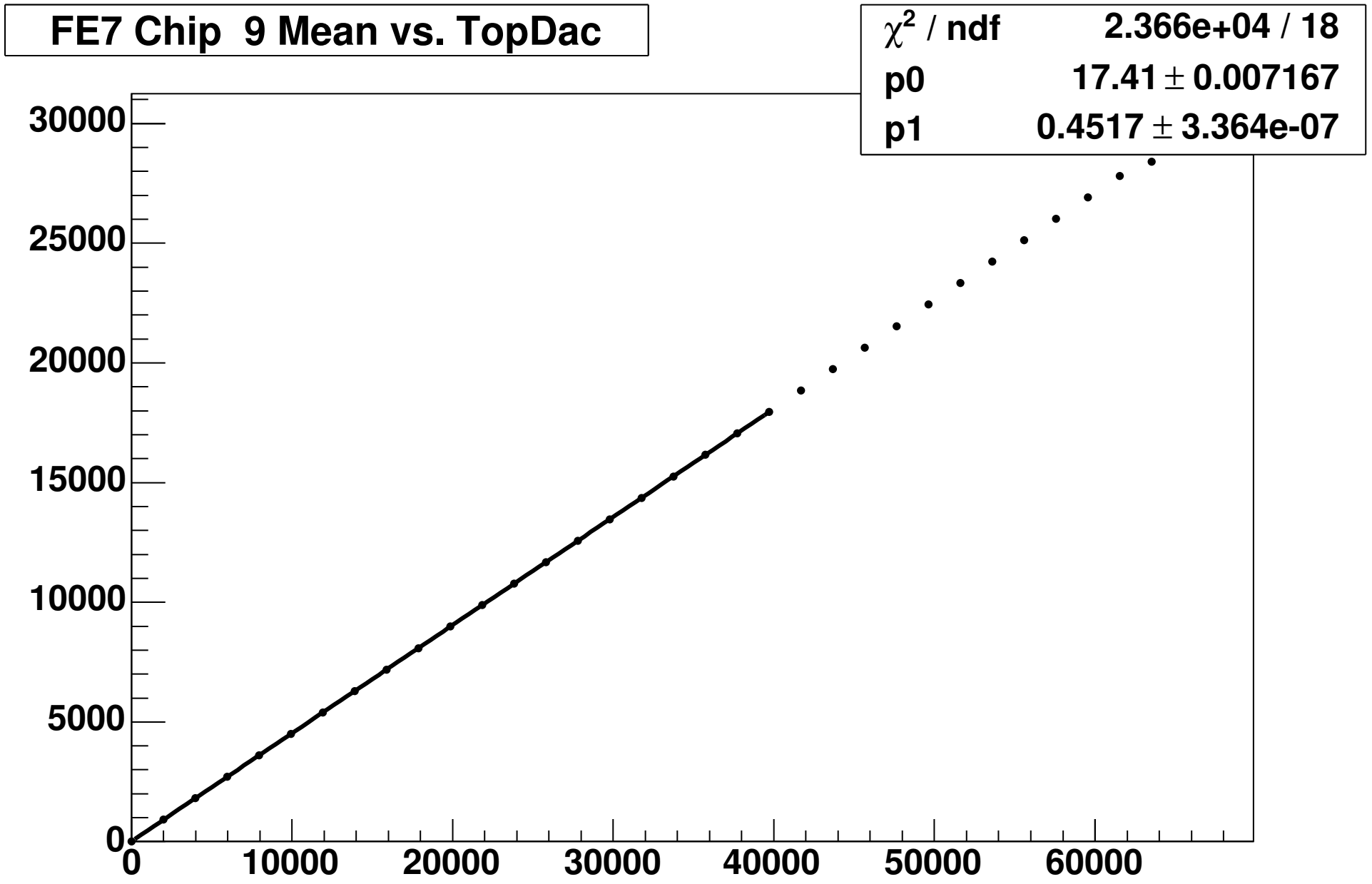

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 18.39 / 18
p0 1.417 ± 0.003646
p1 3.759e-06 ± 1.843e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

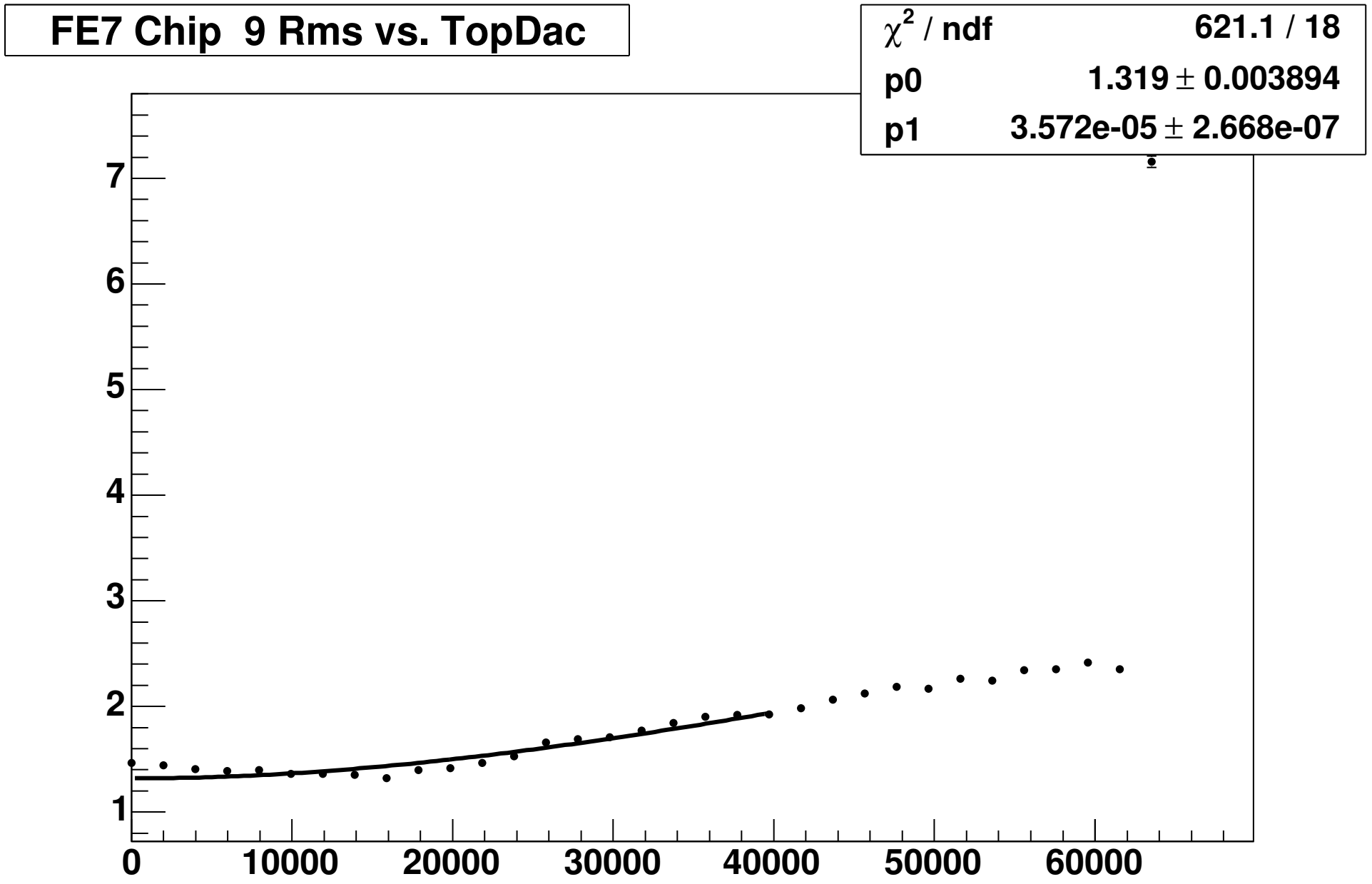

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 1.345e+04 / 18
p0 14.13 ± 0.007119
p1 0.4517 ± 3.314e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

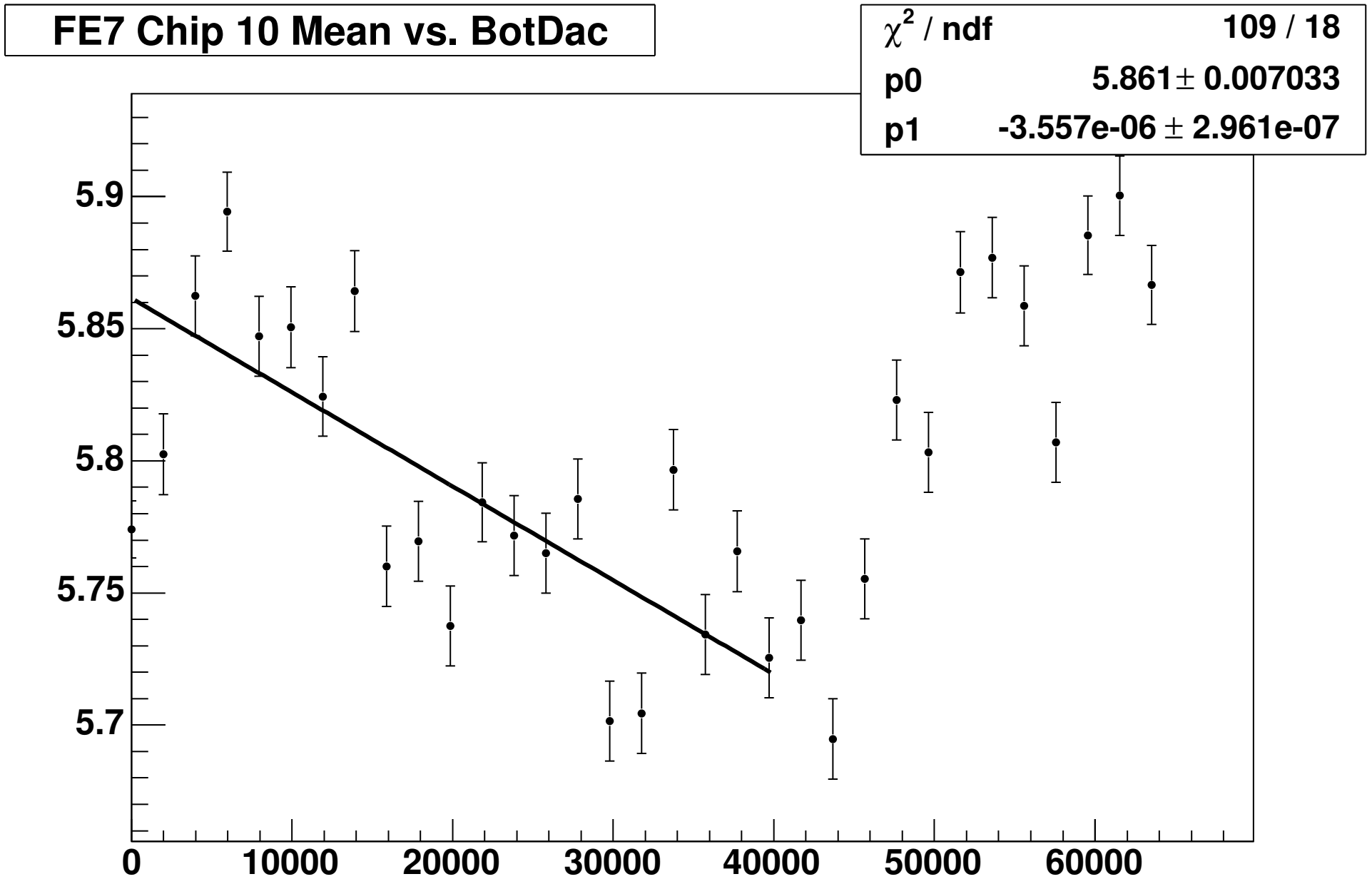

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 343.2 / 18
p0 1.328 ± 0.003872
p1 3.413e-05 ± 2.725e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

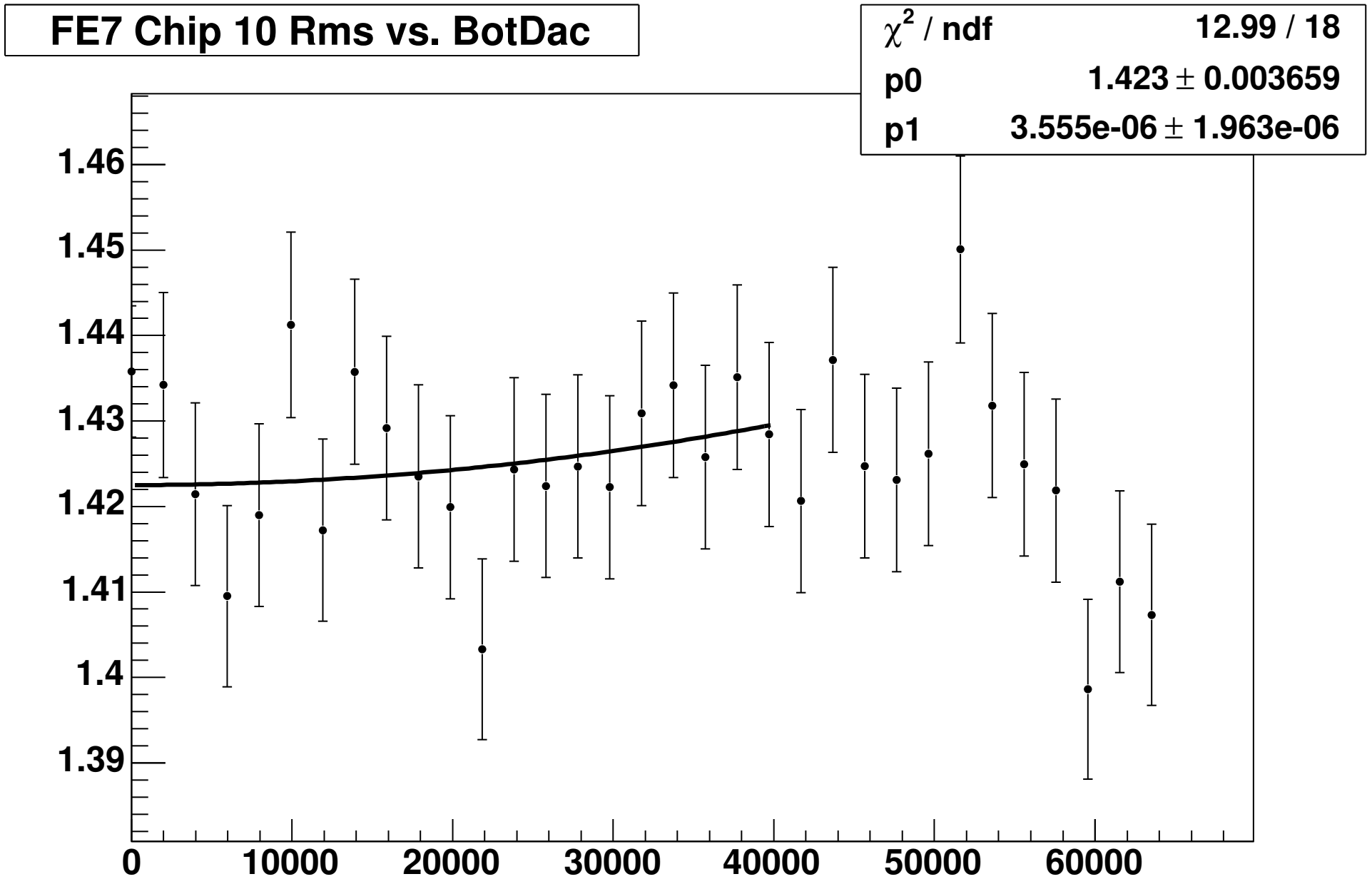

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 101.8 / 18
p0 18.12 ± 0.007247
p1 -2.608e-06 ± 3.045e-07
18.25
18.2
18.15
18.1
18.05
18
17.95
0
10000
20000
30000
40000
50000
60000

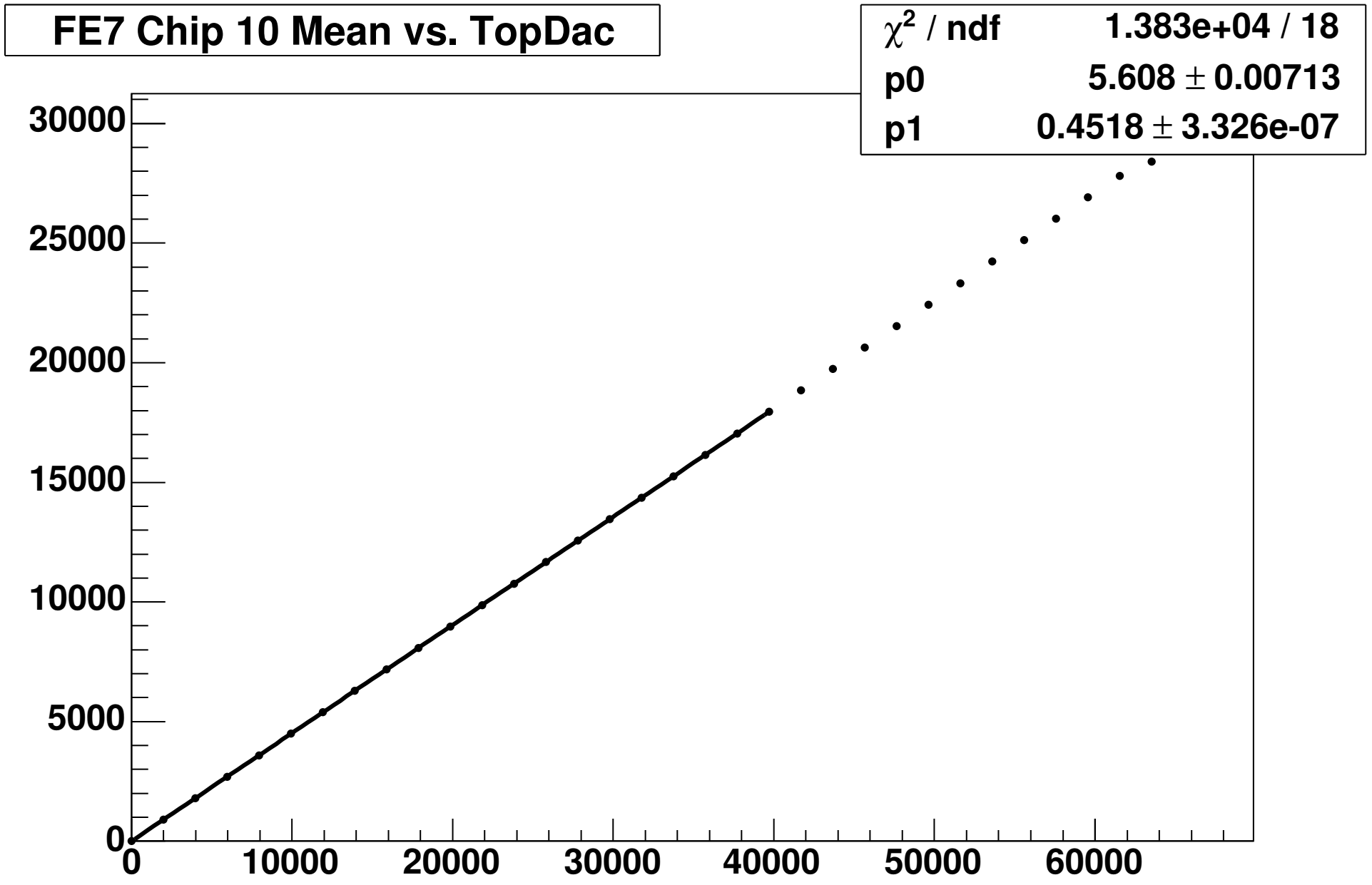

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 13.81 / 18
p0 1.468 ± 0.002472
p1 6.081e-17 ± 3.643e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

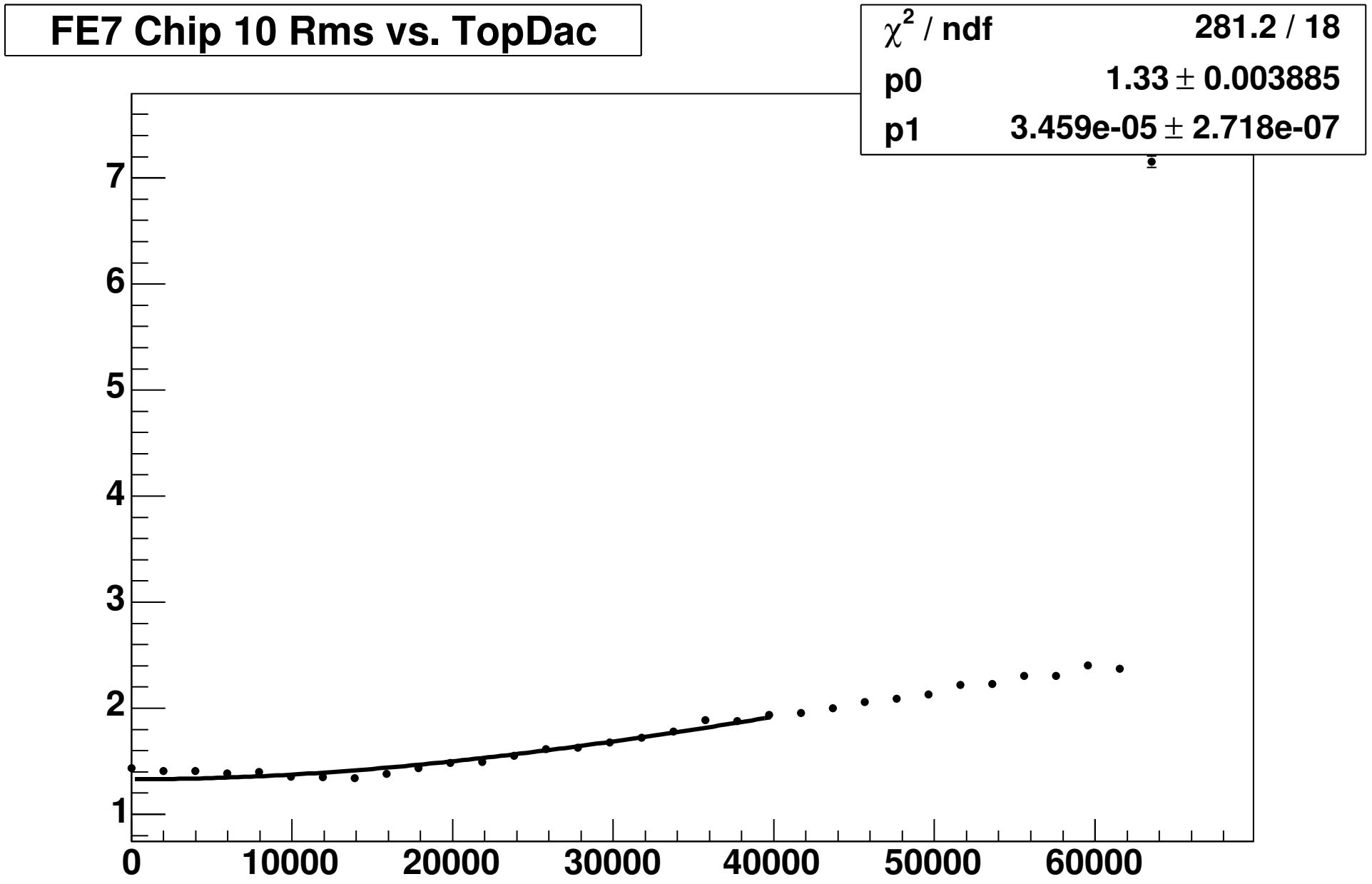

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 2.366e+04 / 18
p0 17.41 ± 0.007167
p1 0.4517 ± 3.364e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

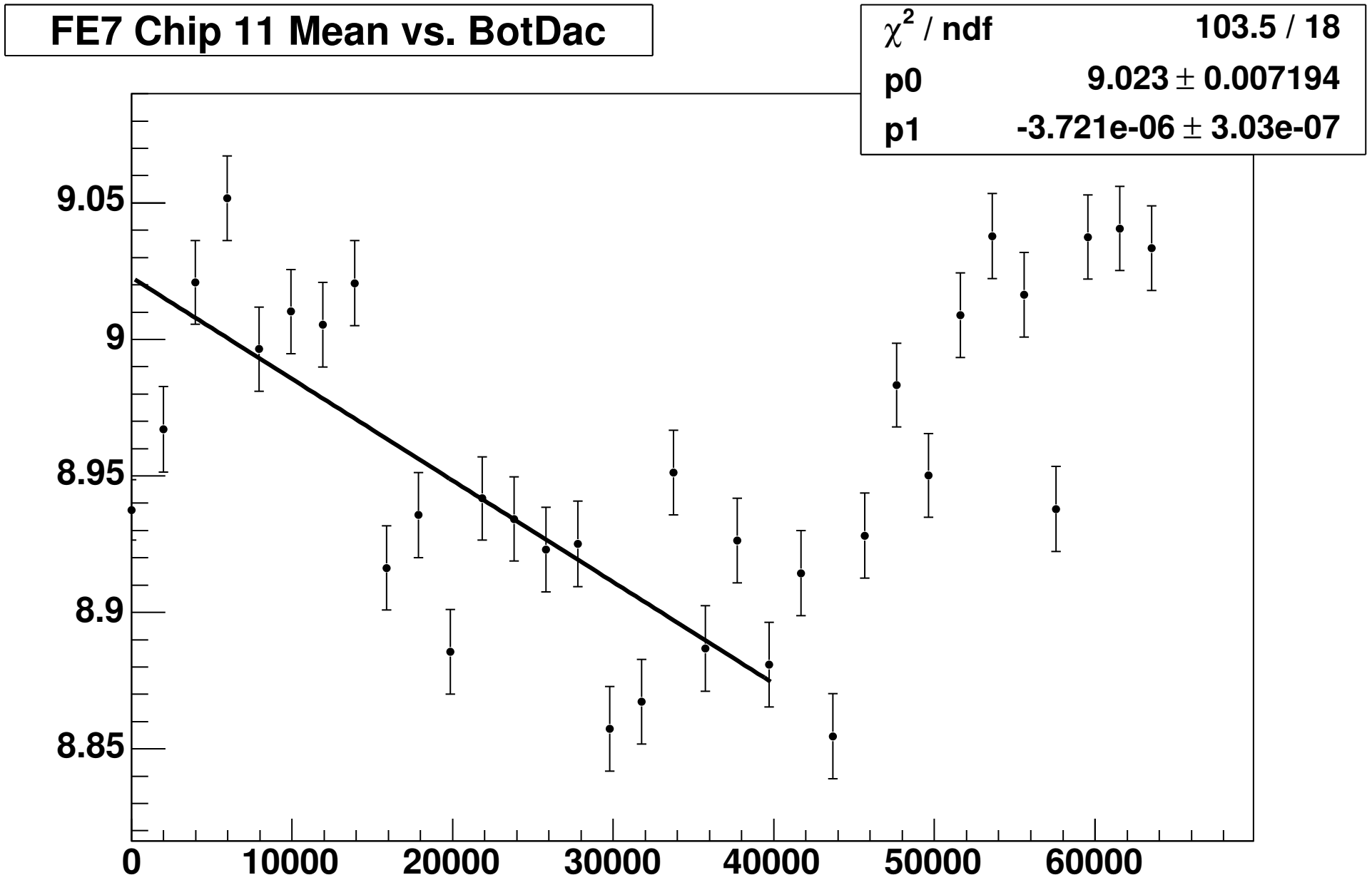

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 621.1 / 18
p0 1.319 ± 0.003894
p1 3.572e-05 ± 2.668e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

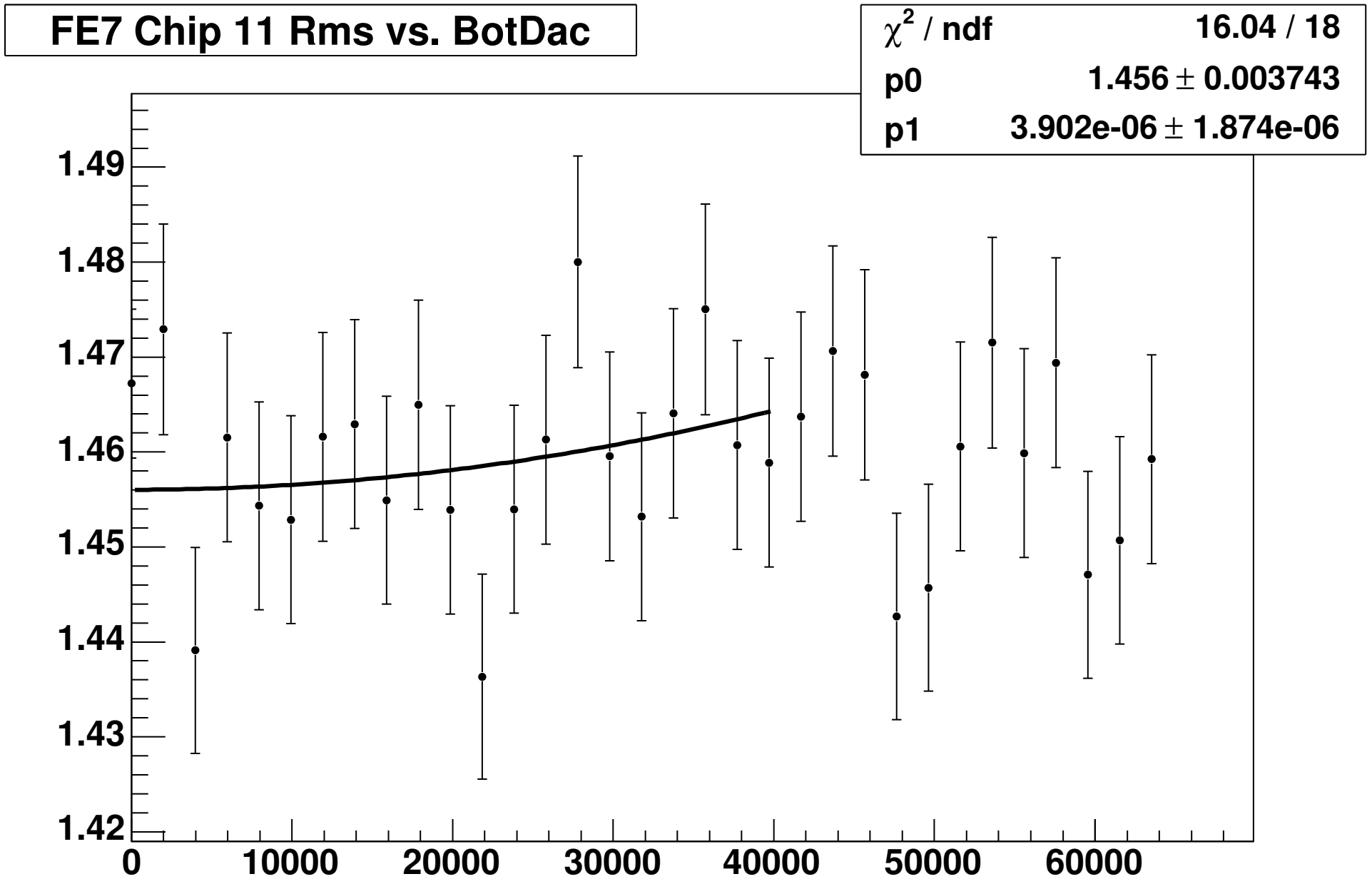

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 109 / 18
p0 5.861 ± 0.007033
p1 -3.557e-06 ± 2.961e-07
5.9
5.85
5.8
5.75
5.7
0
10000
20000
30000
40000
50000
60000

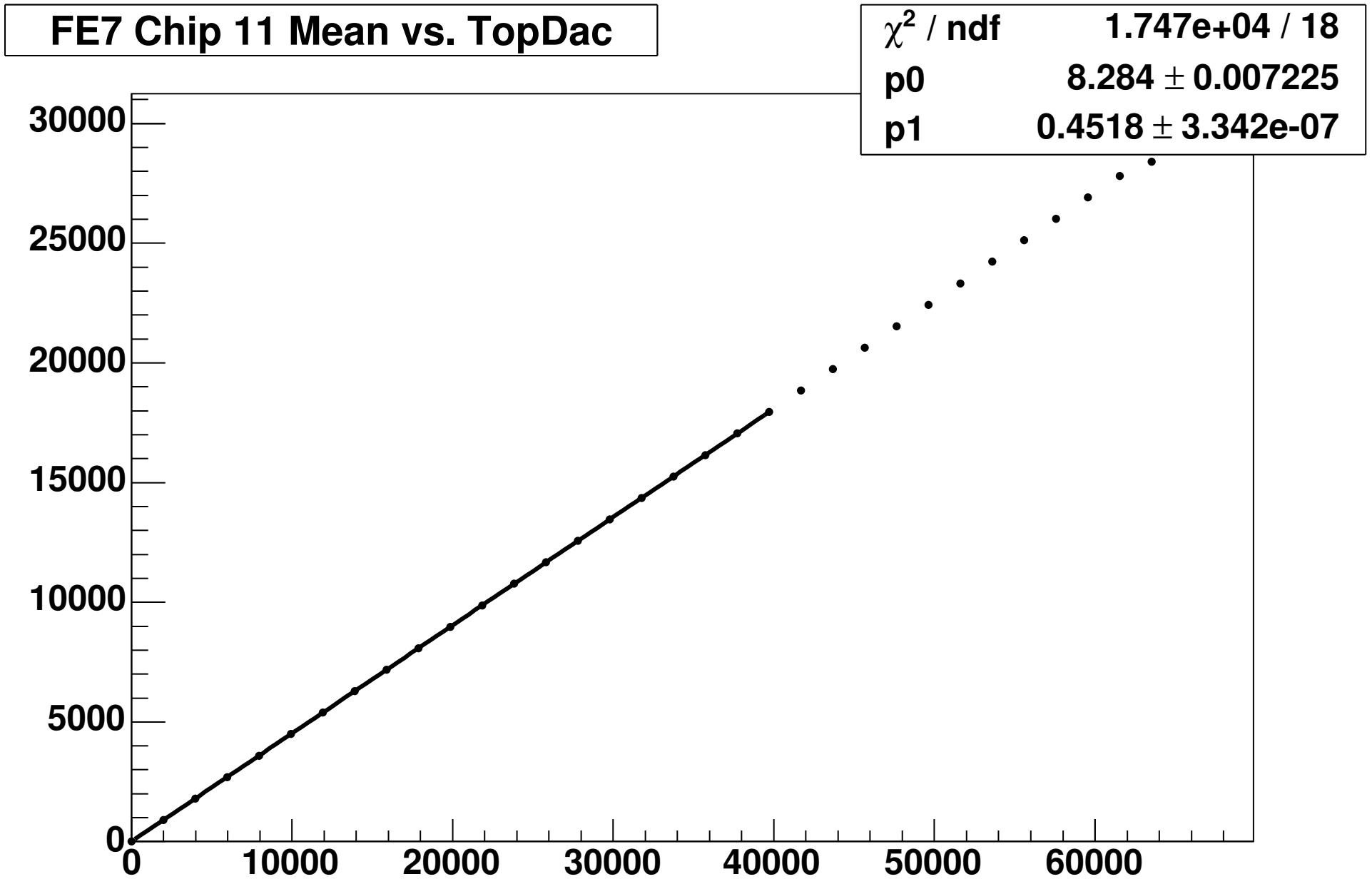

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 12.99 / 18
p0 1.423 ± 0.003659
p1 3.555e-06 ± 1.963e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000

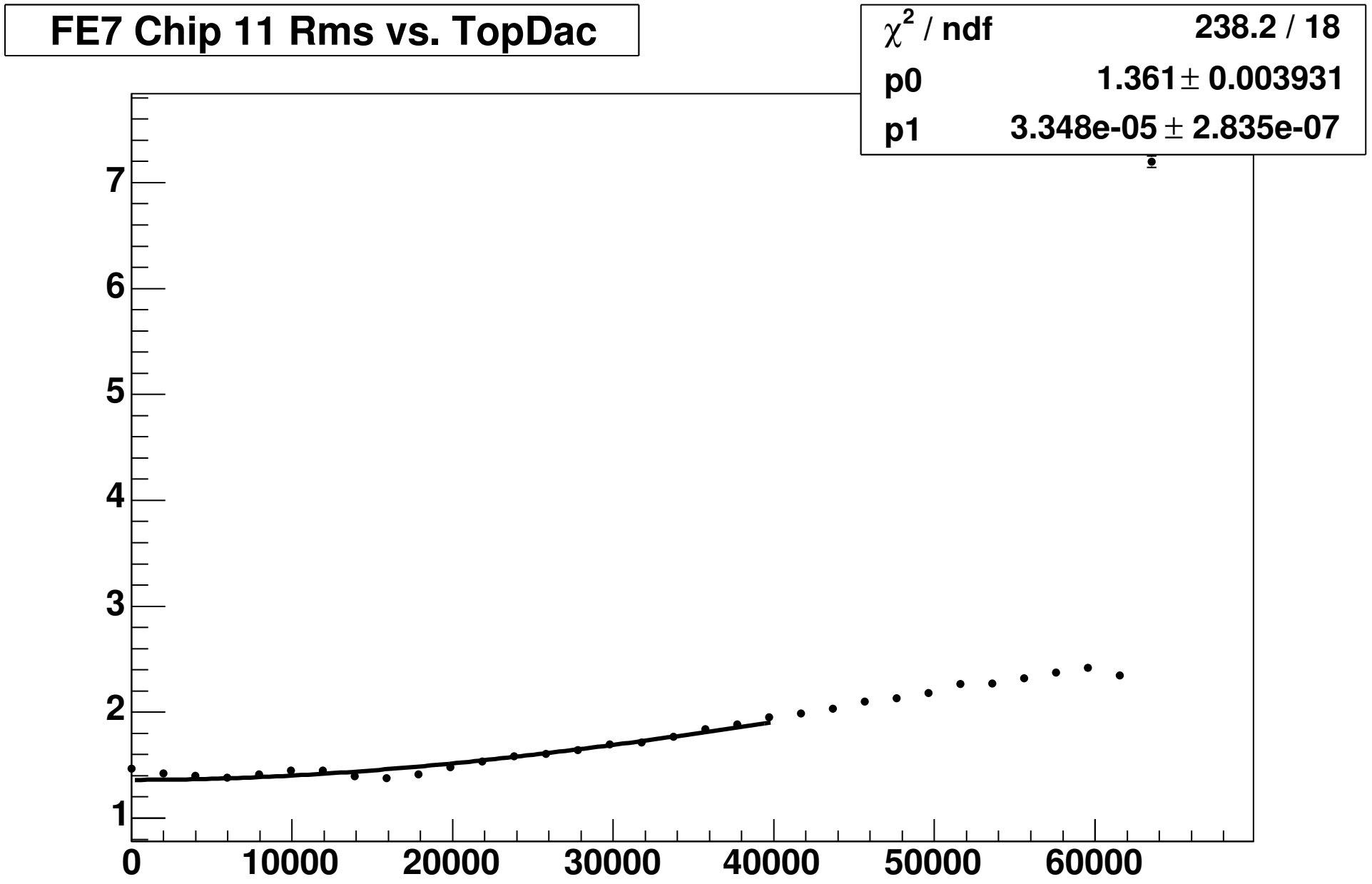

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.383e+04 / 18
p0 5.608 ± 0.00713
p1 0.4518 ± 3.326e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

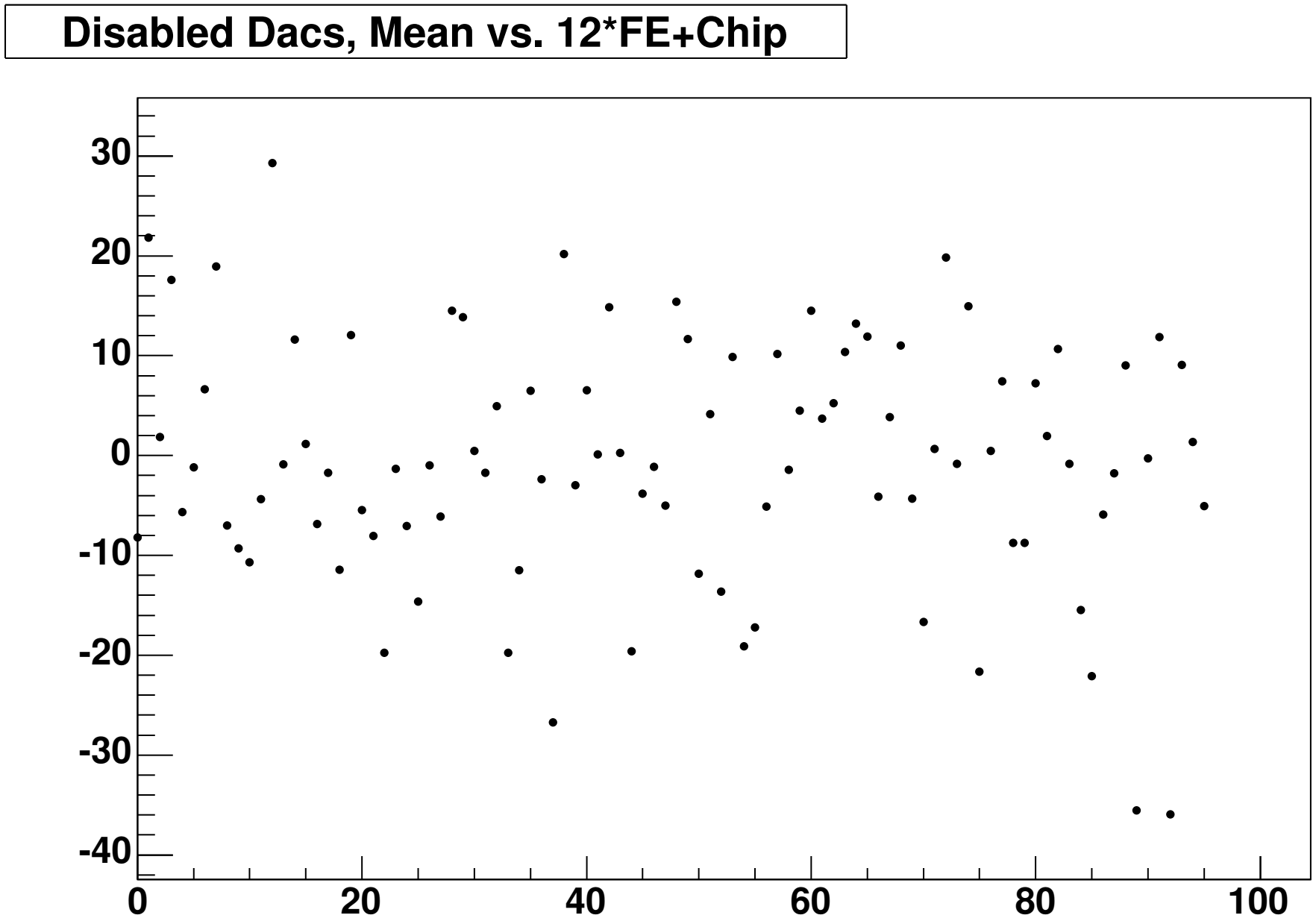

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 281.2 / 18
p0 1.33 ± 0.003885
p1 3.459e-05 ± 2.718e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

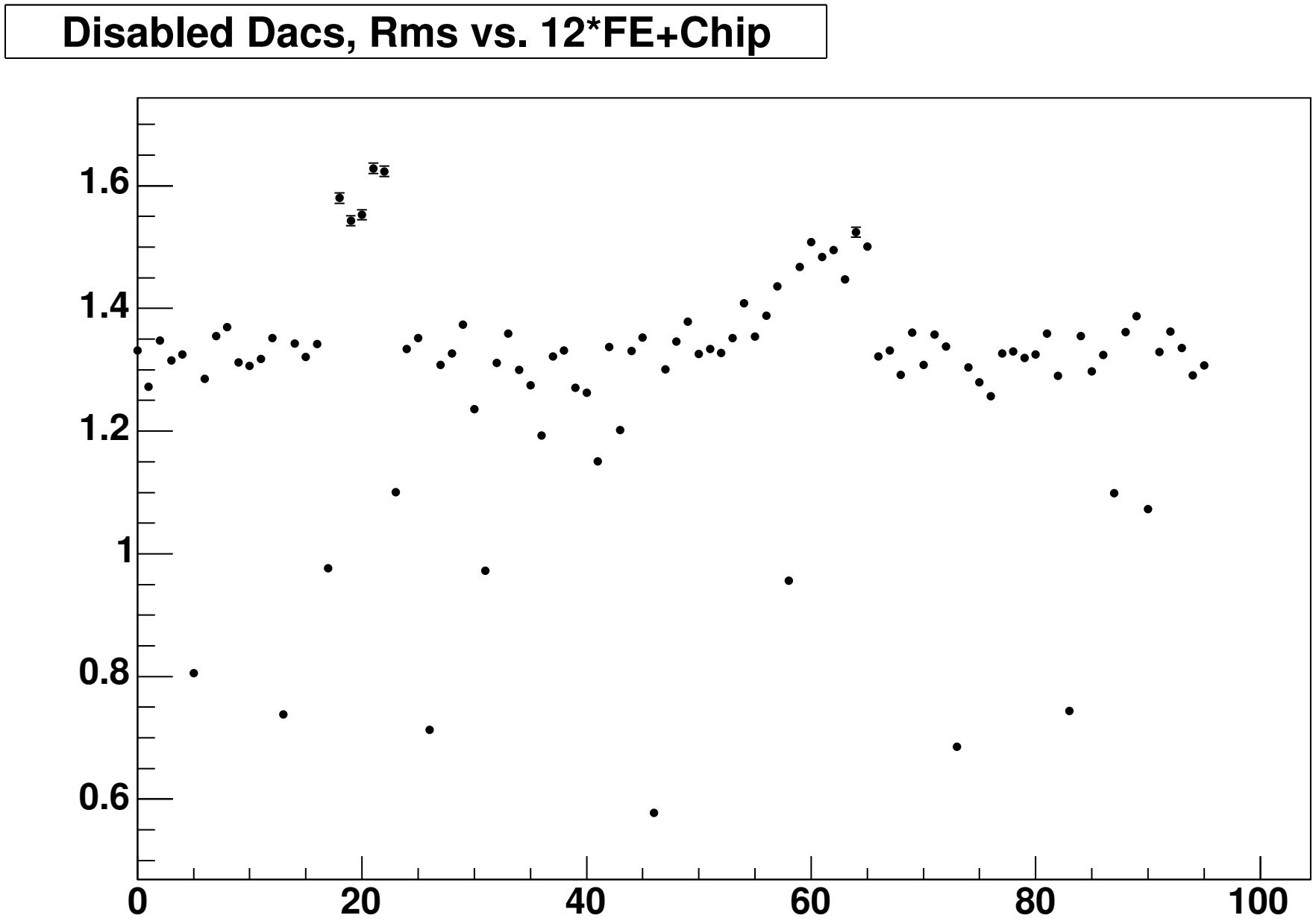

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 103.5 / 18
p0 9.023 ± 0.007194
p1 -3.721e-06 ± 3.03e-07
9.05
9
8.95
8.9
8.85
0
10000
20000
30000
40000
50000
60000

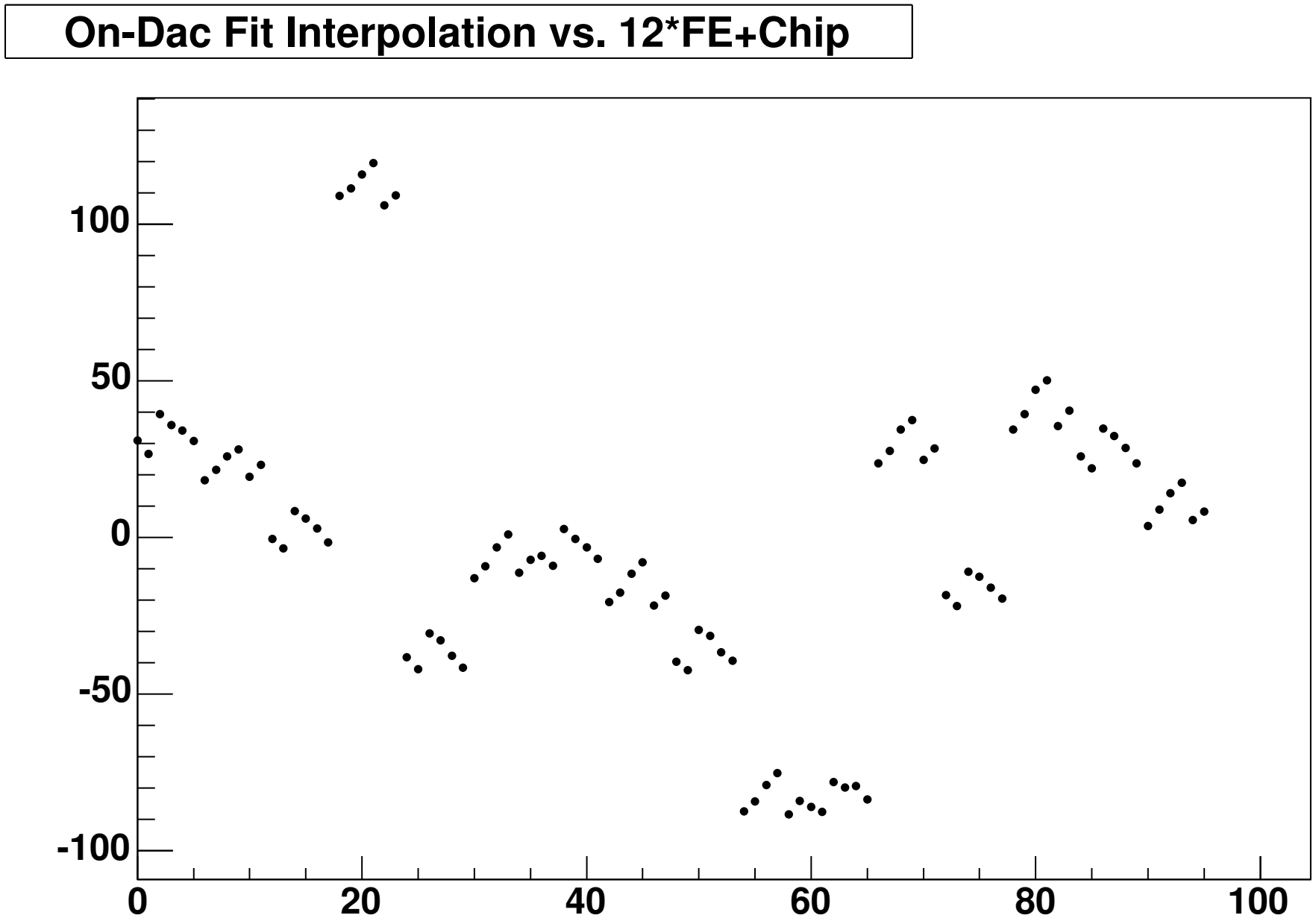

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 16.04 / 18
p0 1.456 ± 0.003743
p1 3.902e-06 ± 1.874e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

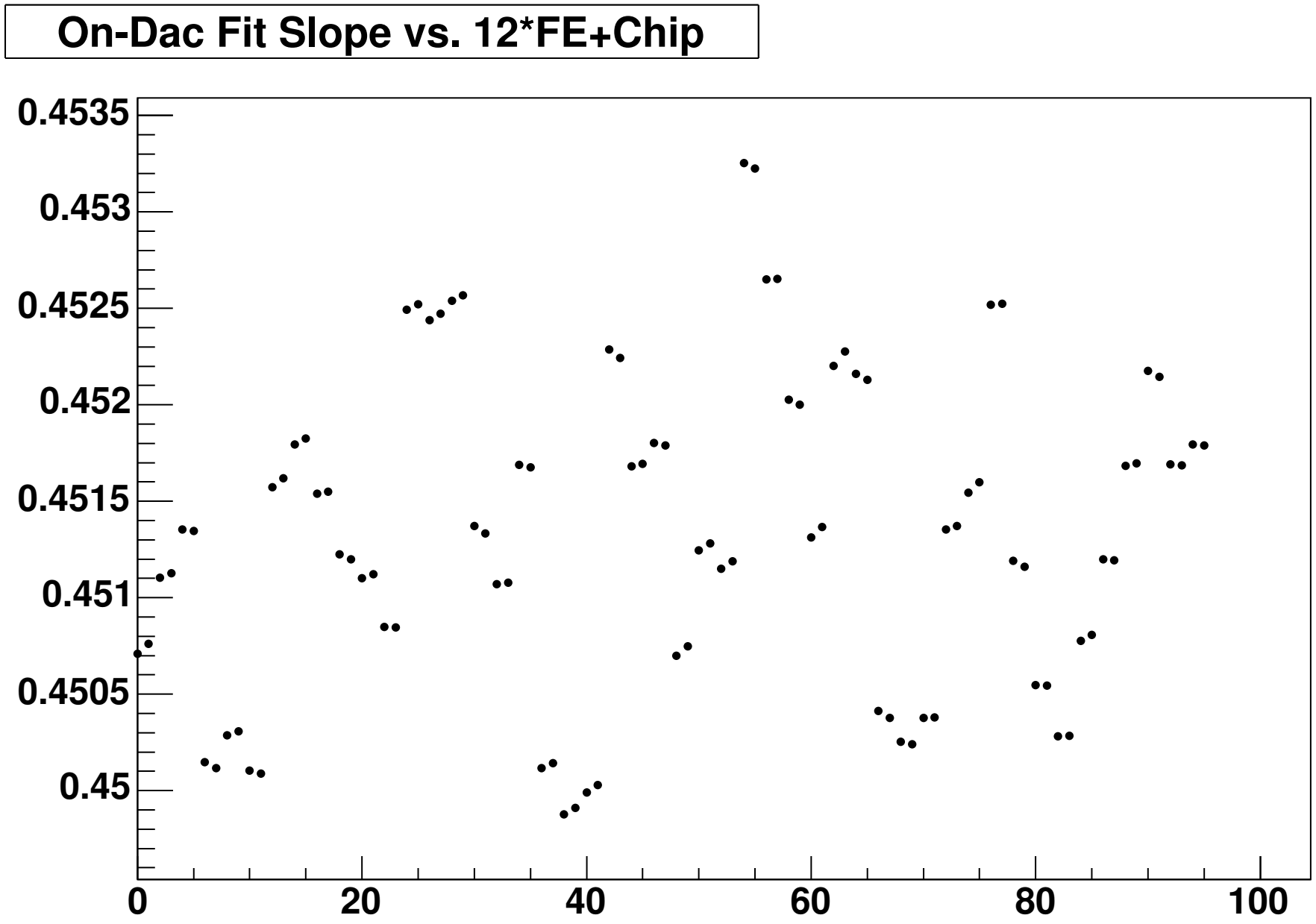

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.747e+04 / 18
p0 8.284 ± 0.007225
p1 0.4518 ± 3.342e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

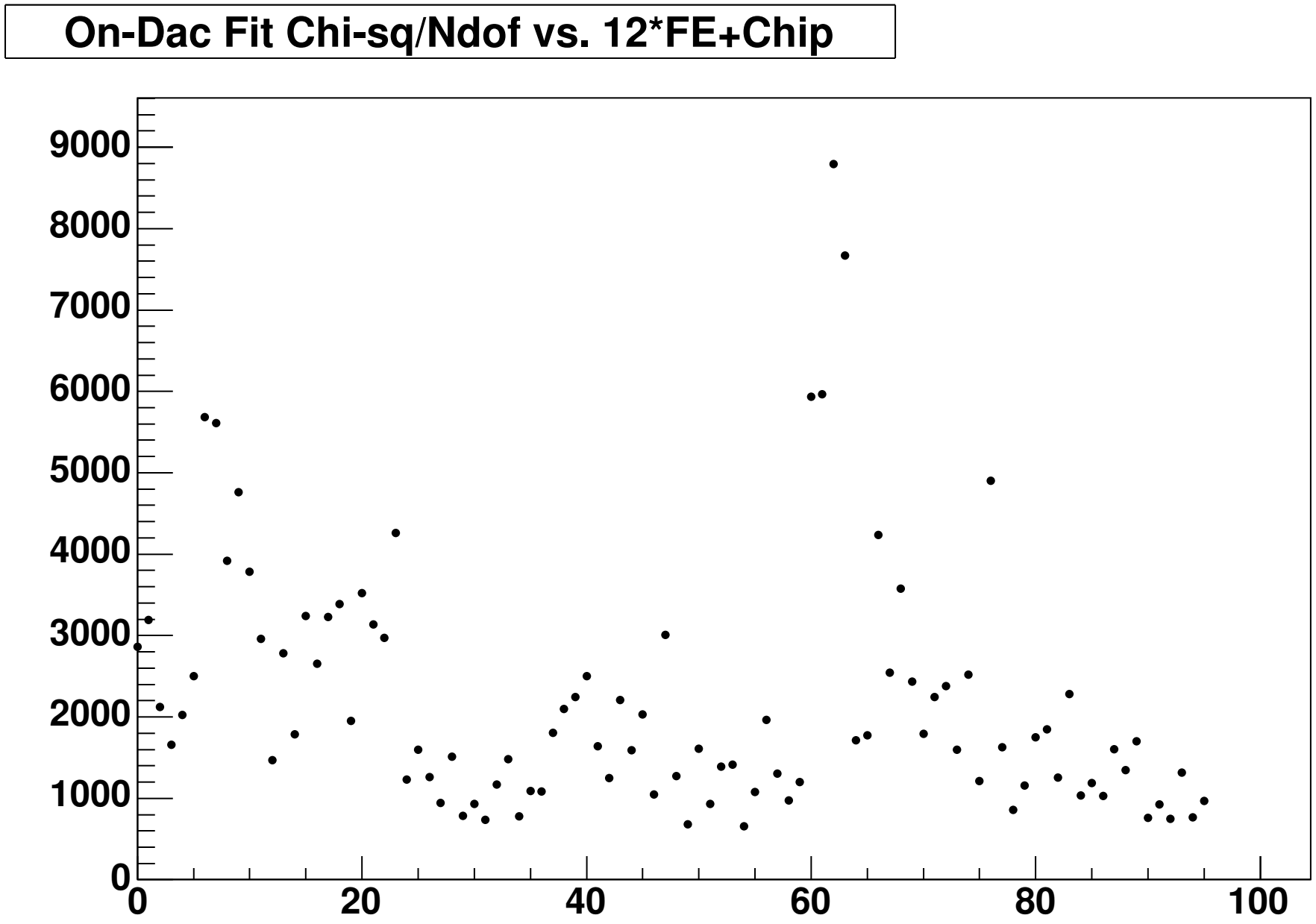

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 238.2 / 18
p0 1.361 ± 0.003931
p1 3.348e-05 ± 2.835e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

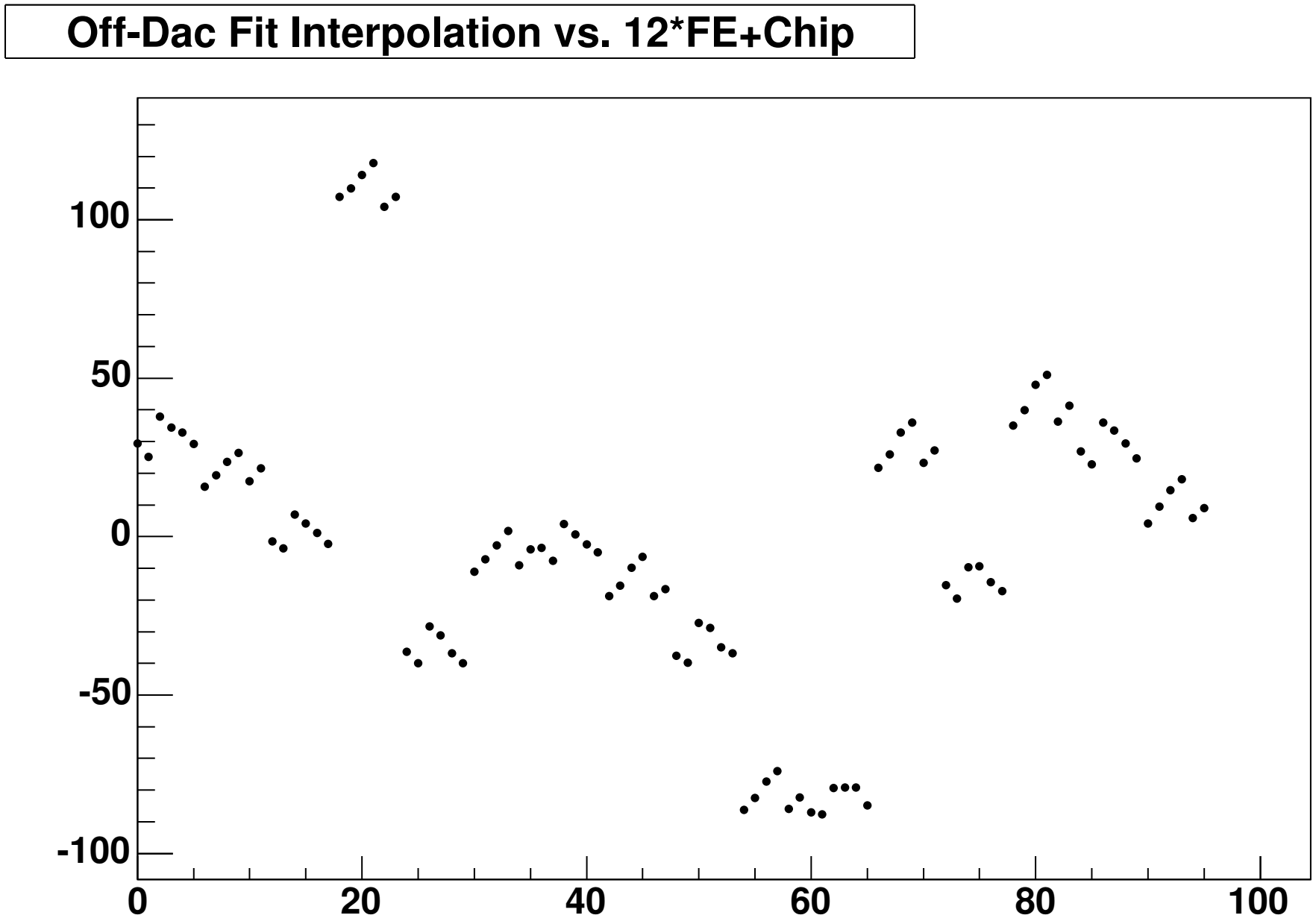

Disabled Dacs, Mean vs. 12*FE+Chip
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

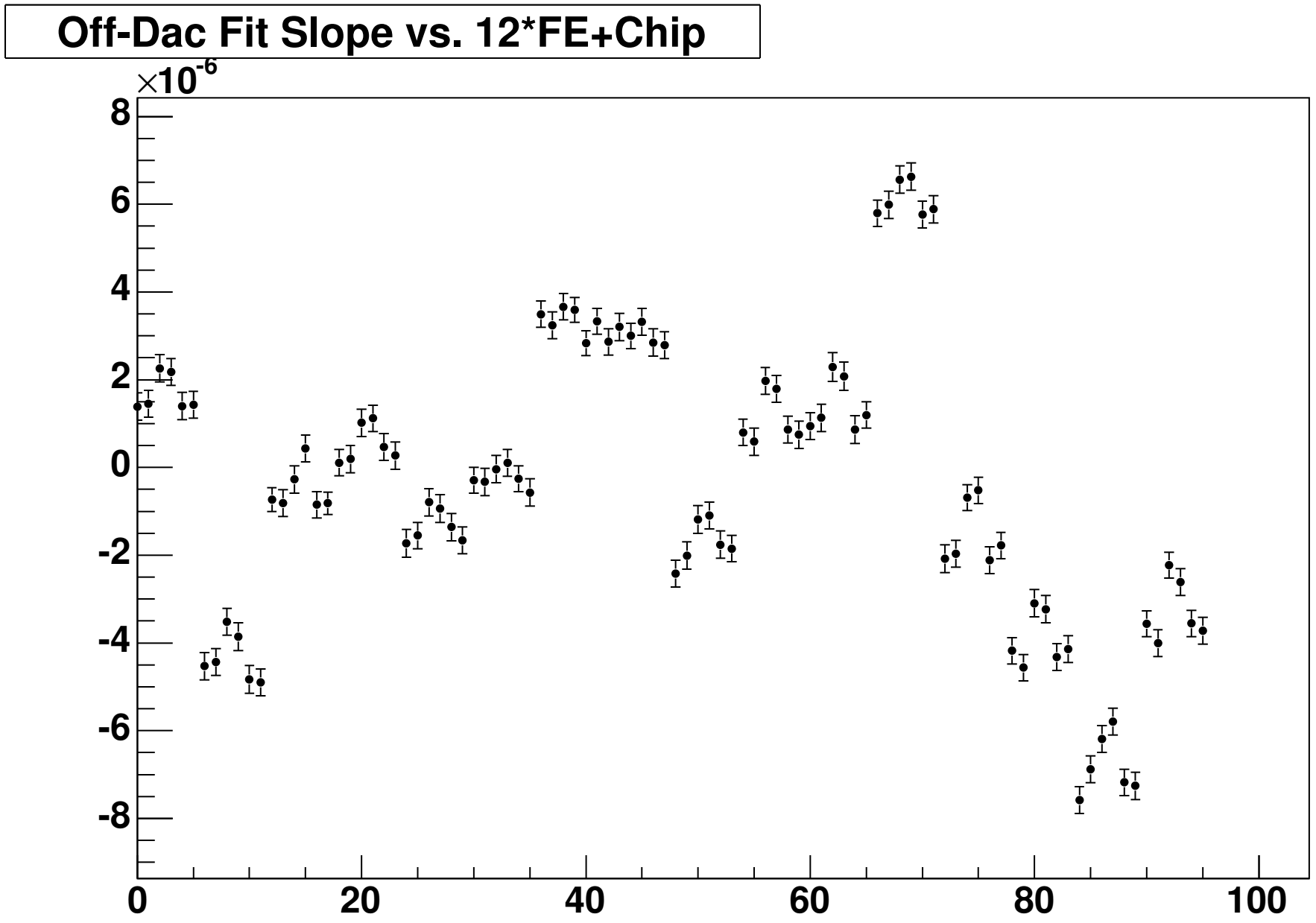

Disabled Dacs, Rms vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0
20
40
60
80
100

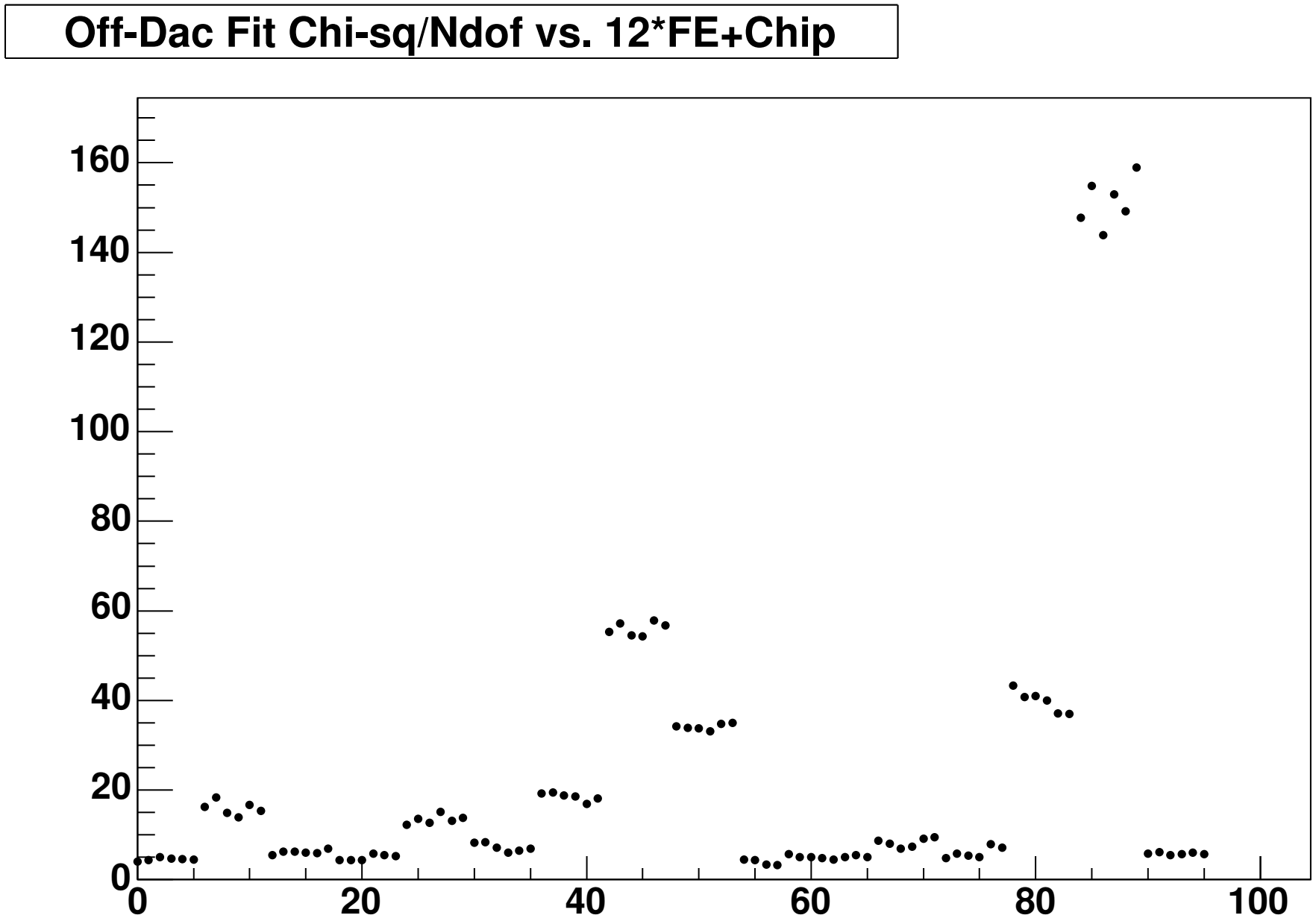

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

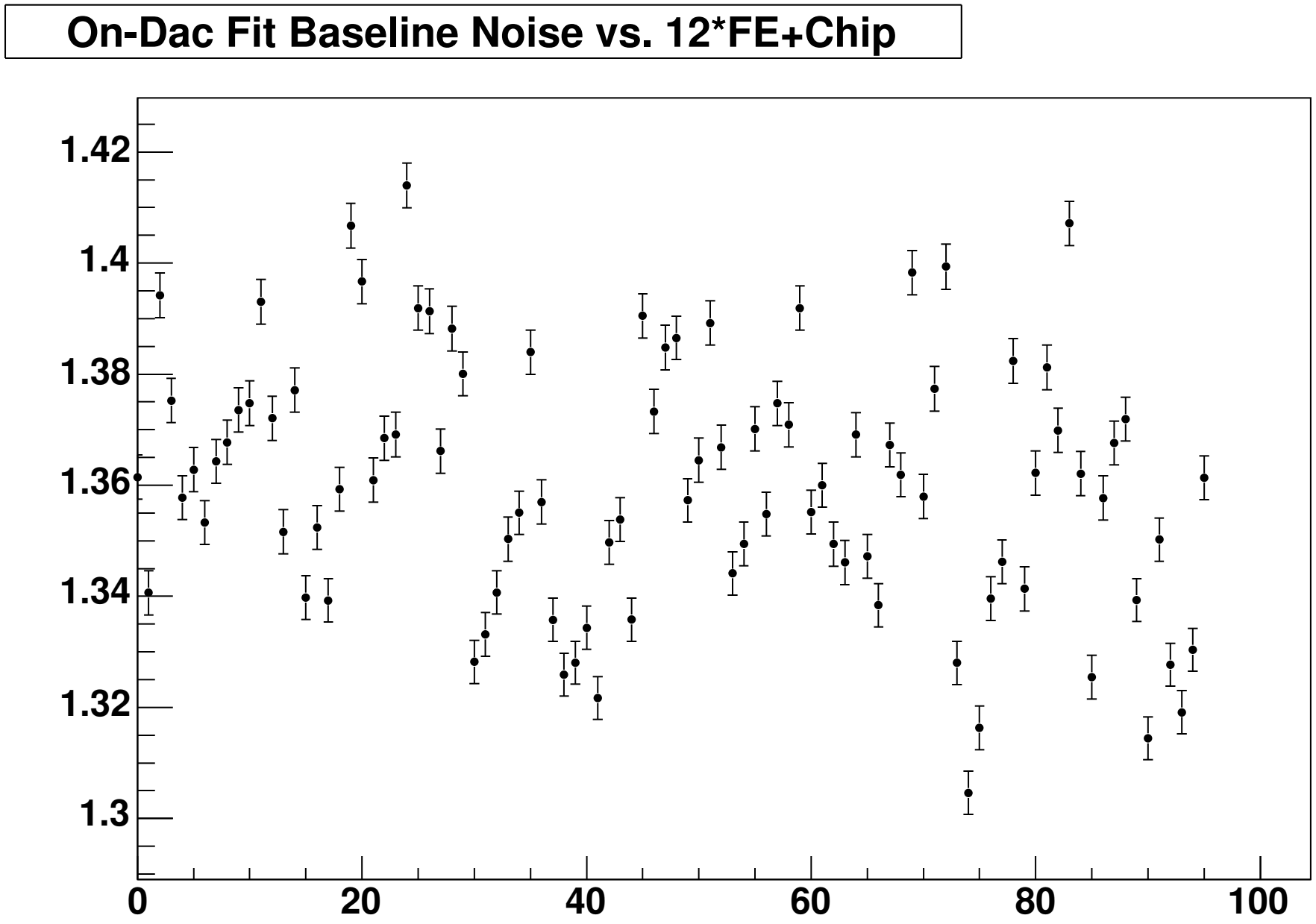

On-Dac Fit Slope vs. 12*FE+Chip
0.4535
0.453
0.4525
0.452
0.4515
0.451
0.4505
0.45
0
20
40
60
80
100

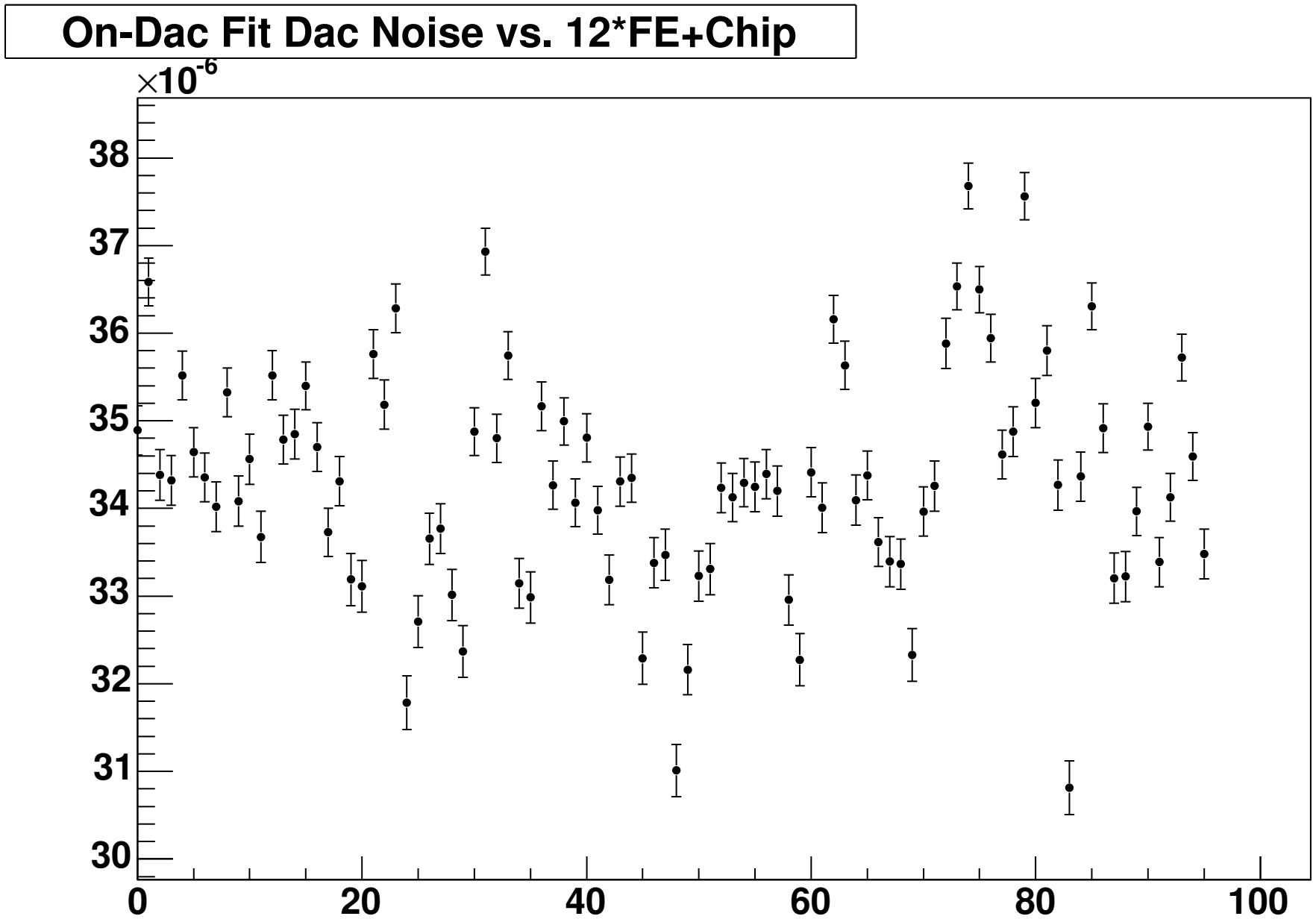

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

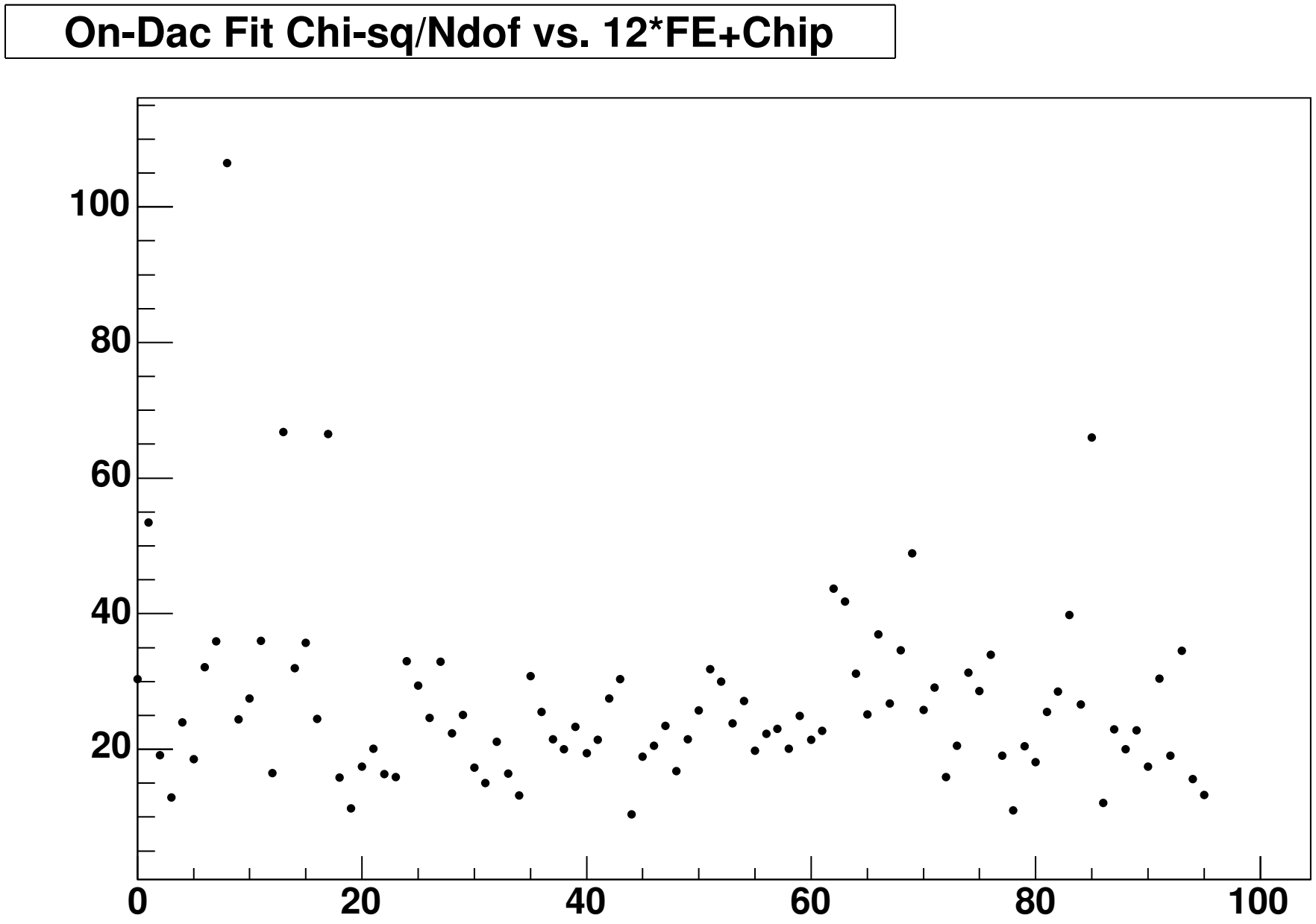

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

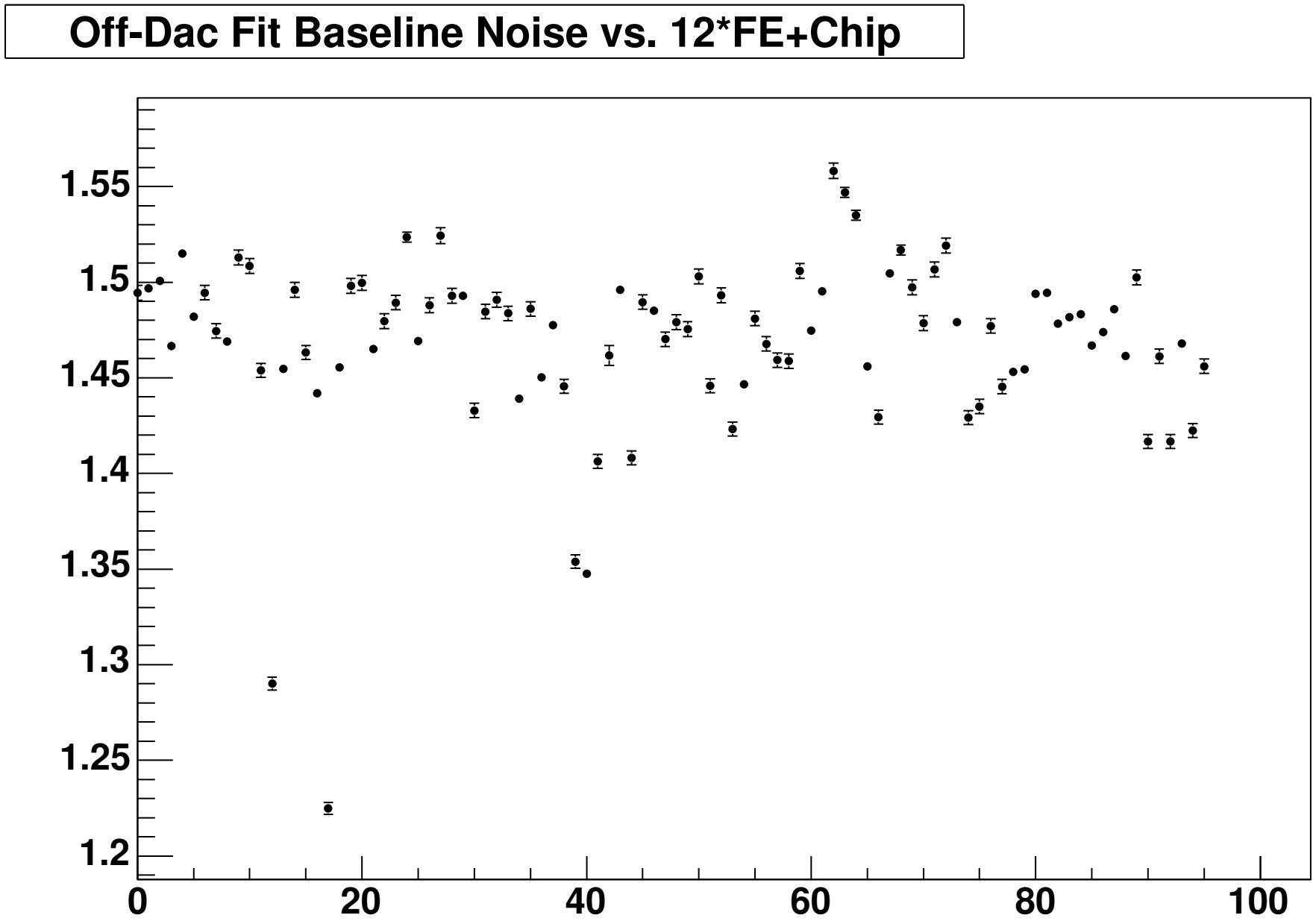

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100

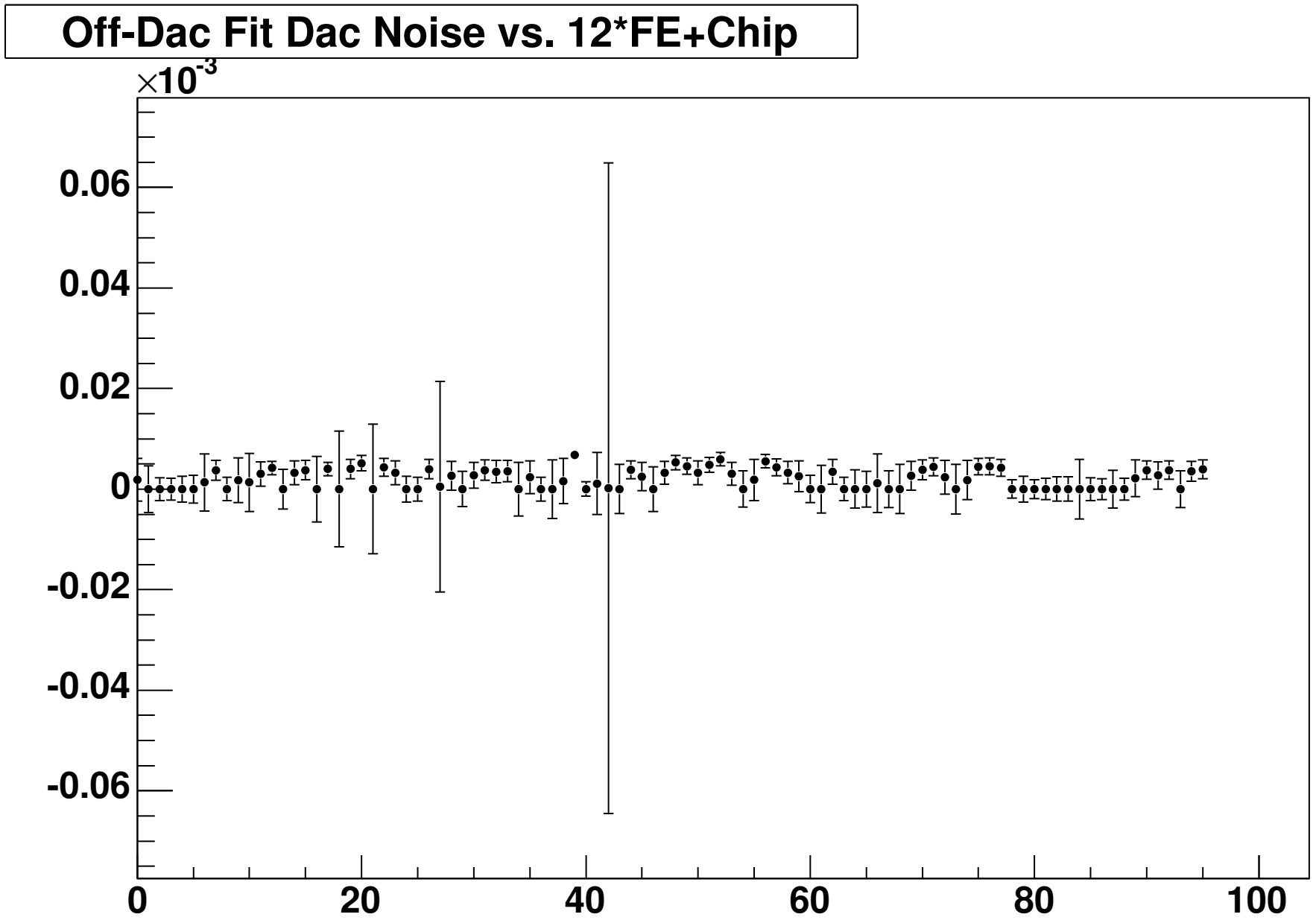

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

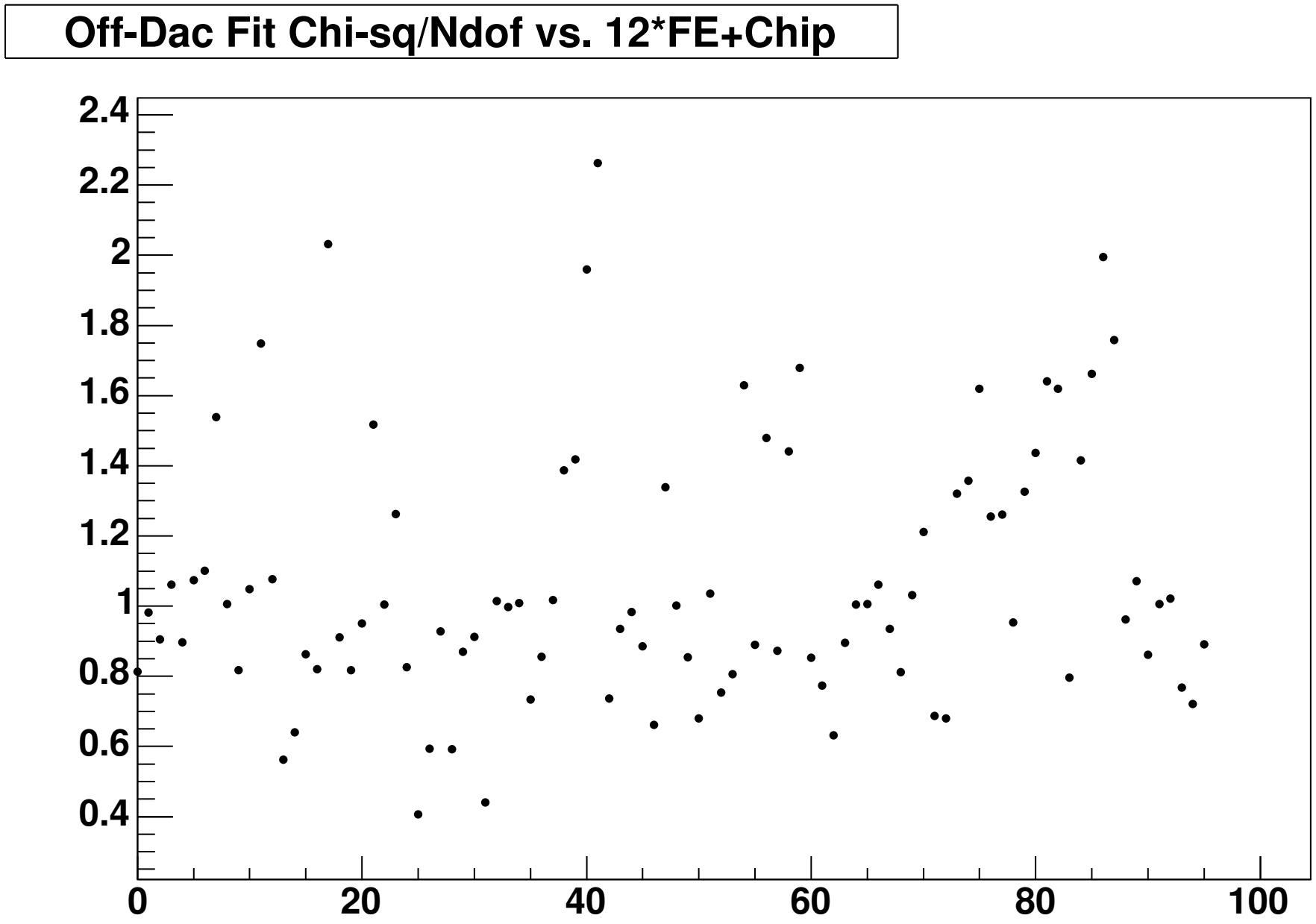

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
1.32
1.3
0
20
40
60
80
100

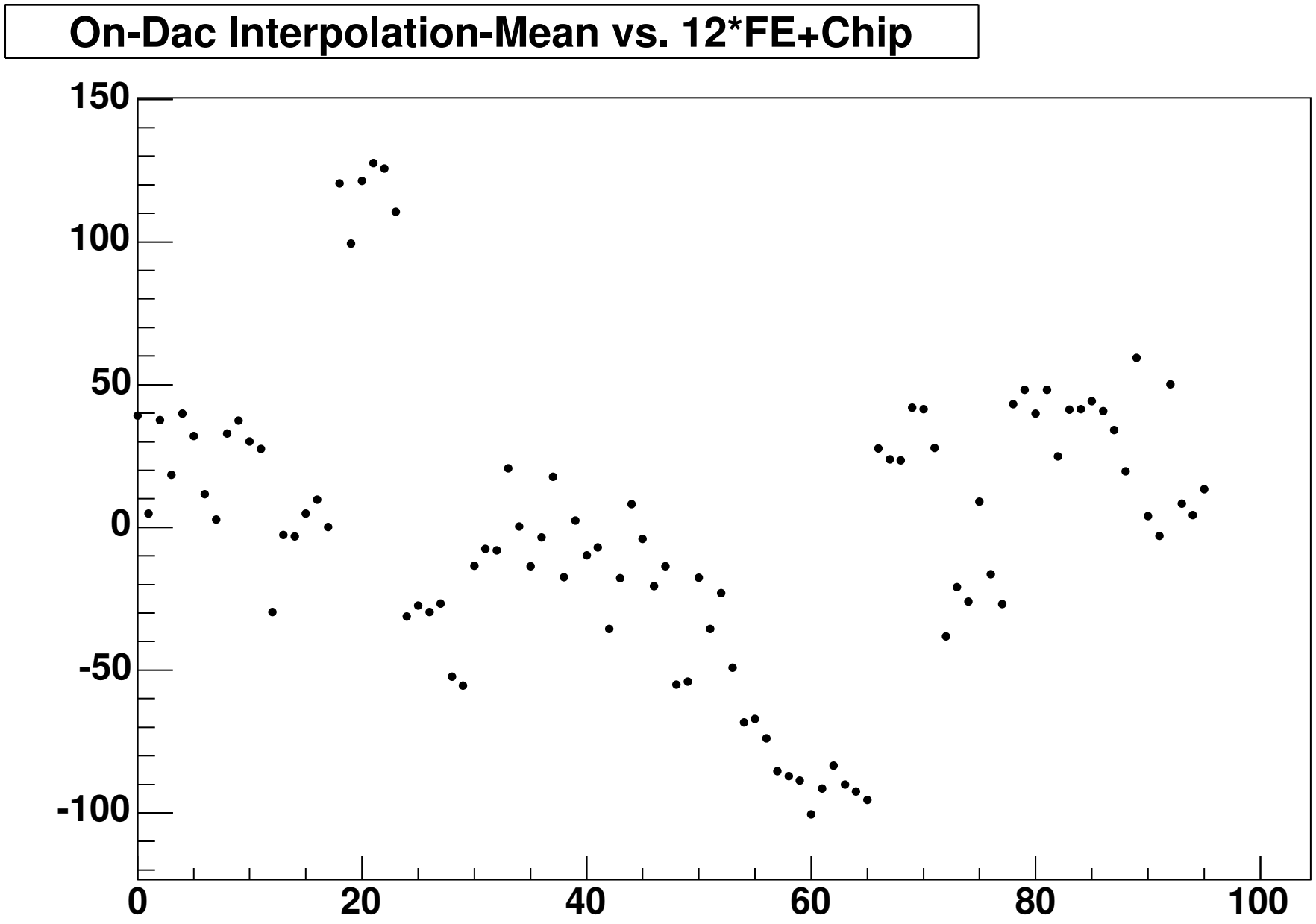

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
38
37
36
35
34
33
32
31
30
0
20
40
60
80
100

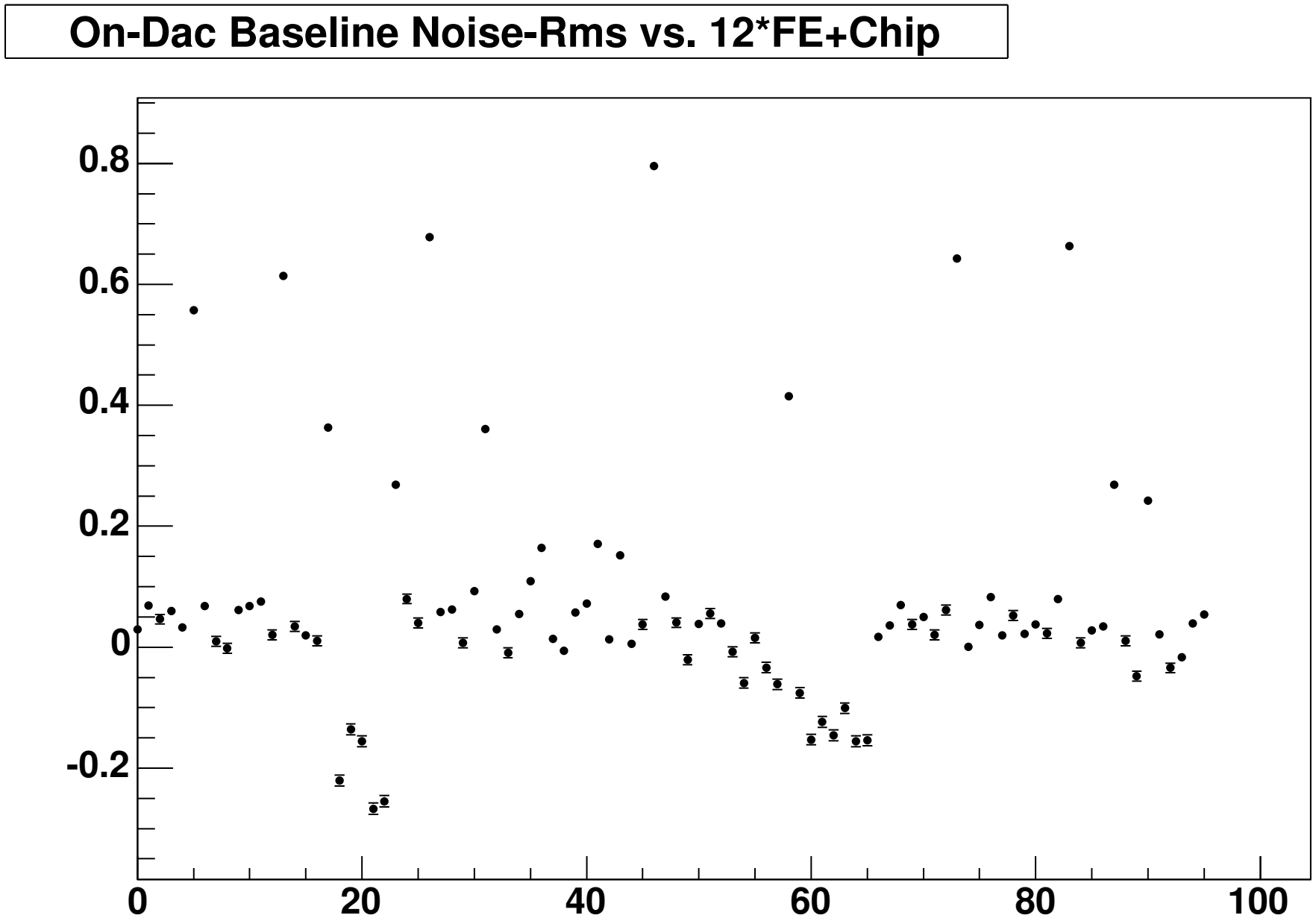

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
100
80
60
40
20
0
20
40
60
80
100

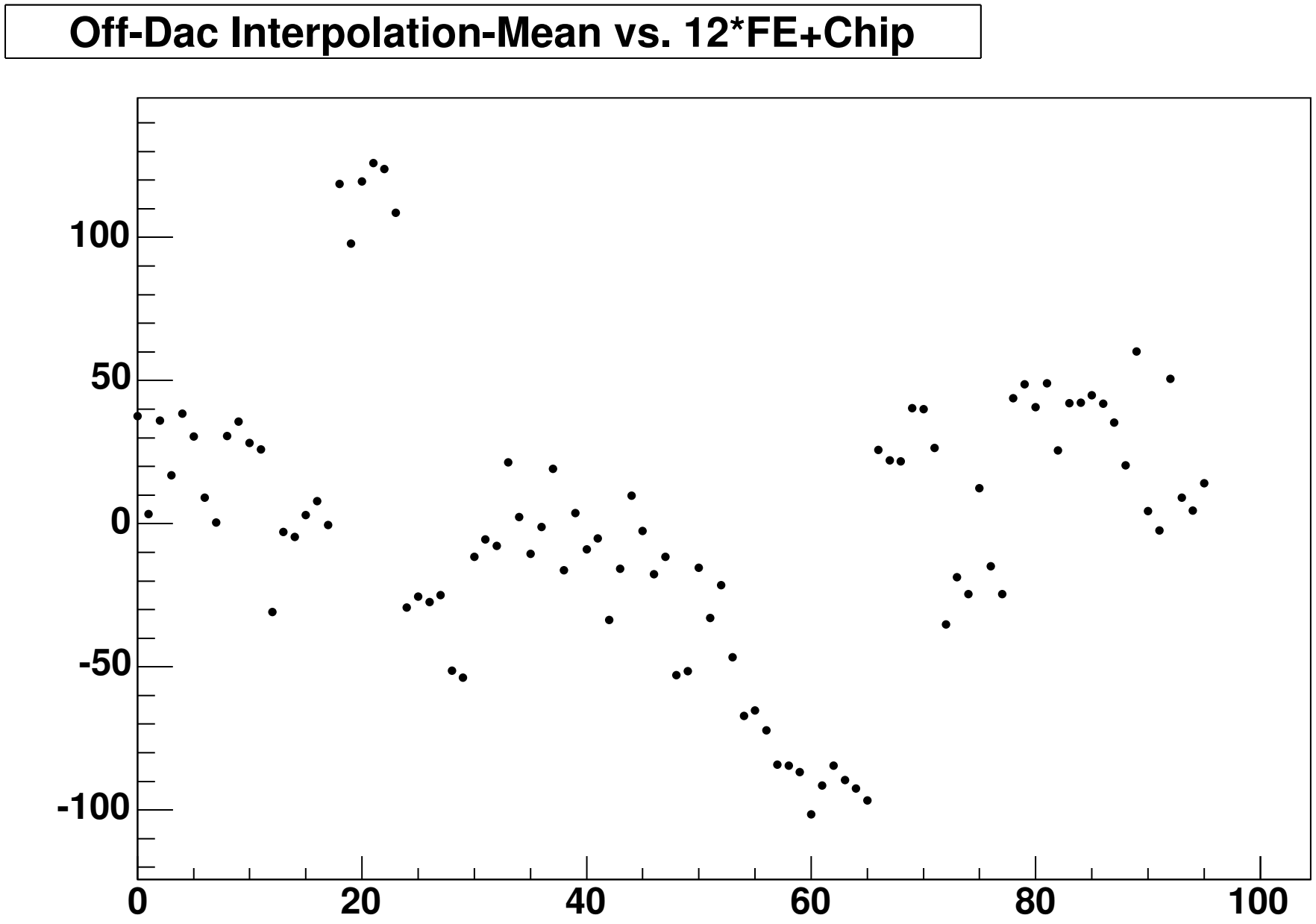

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.55
1.5
1.45
1.4
1.35
1.3
1.25
1.2
0
20
40
60
80
100

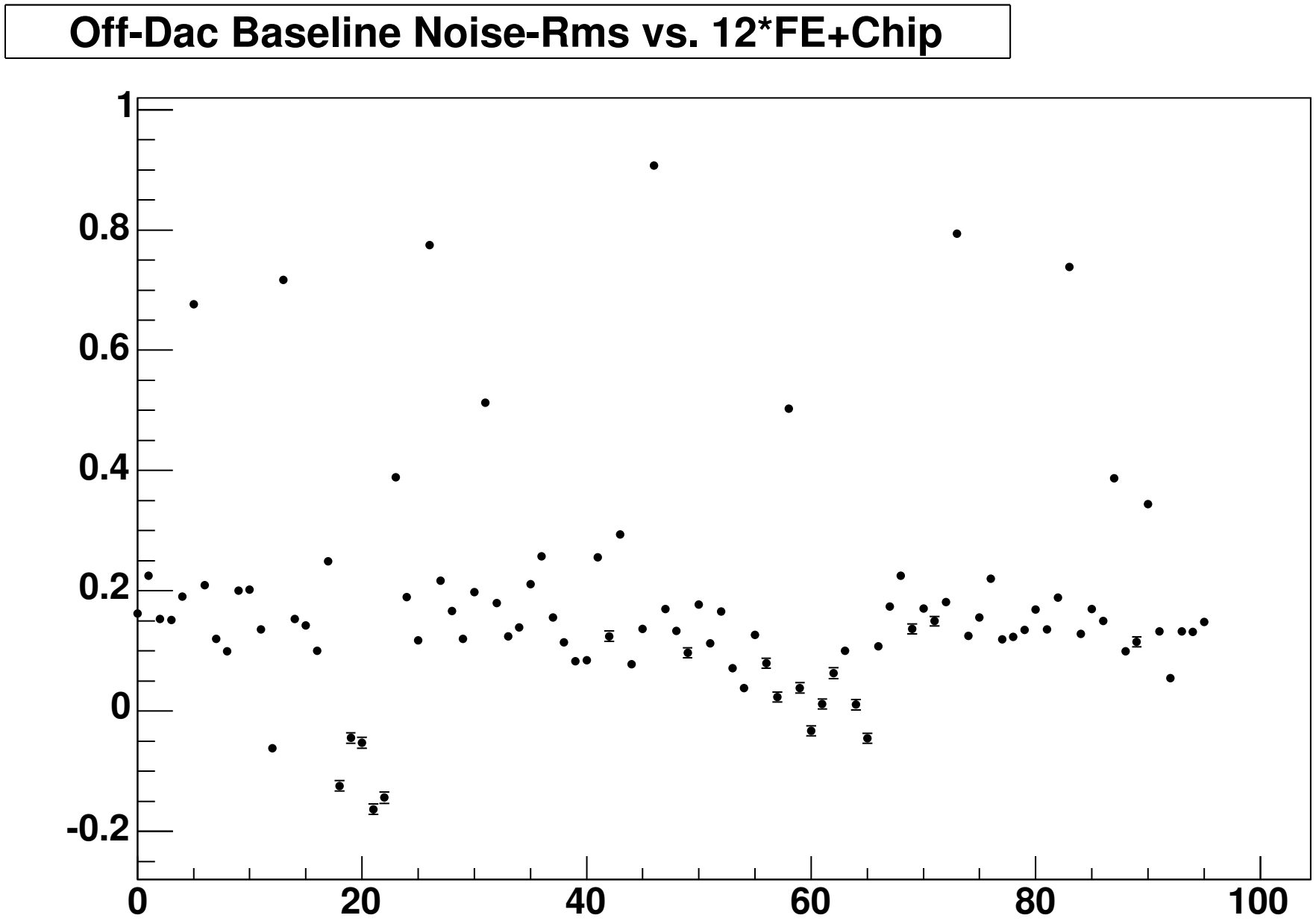

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
0
20
40
60
80
100


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
150
100
50
0
-50
-100
0
20
40
60
80
100


On-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


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


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
1
0.8
0.6
0.4
0.2
0
-0.2
0
20
40
60
80
100