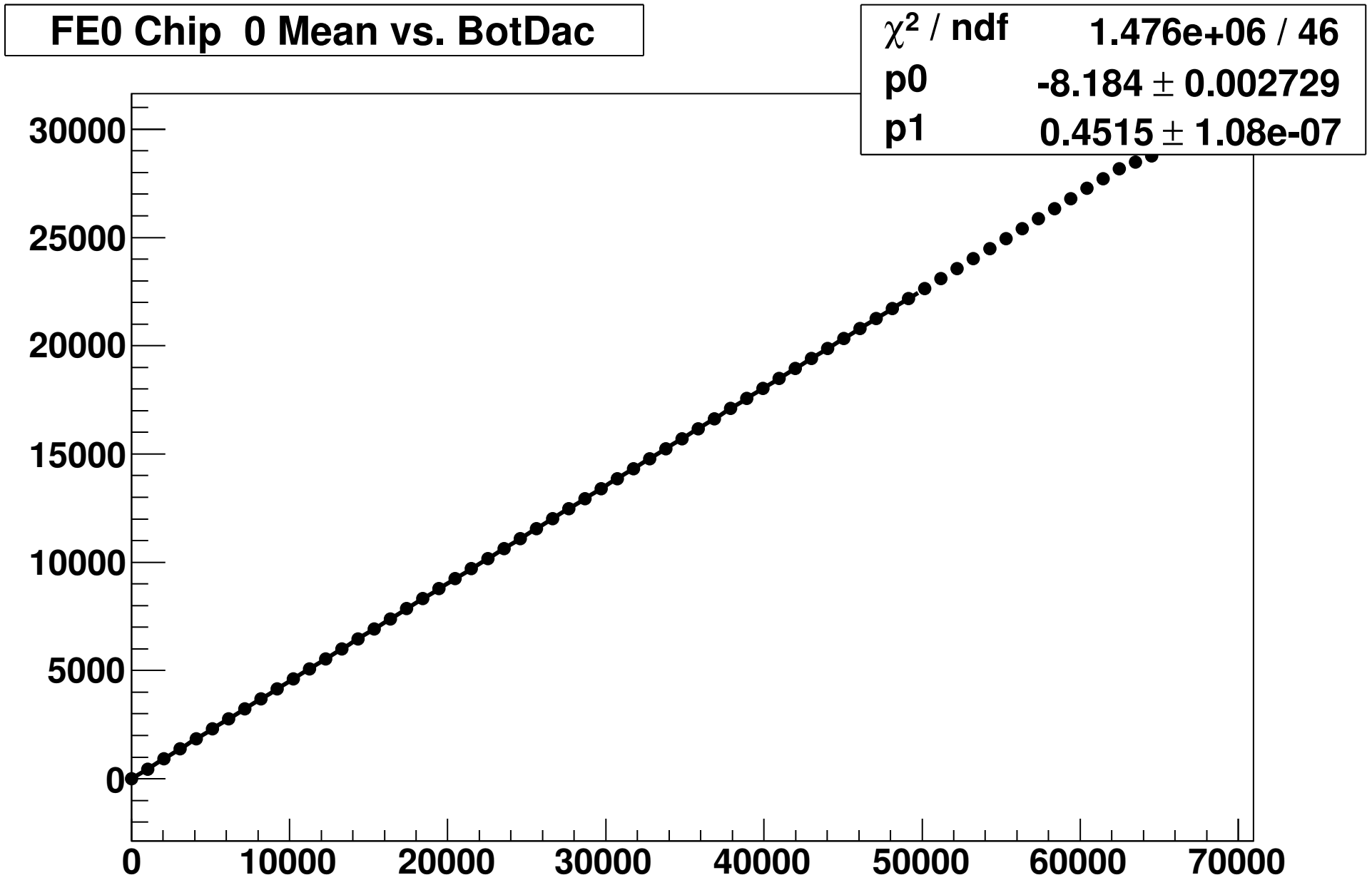
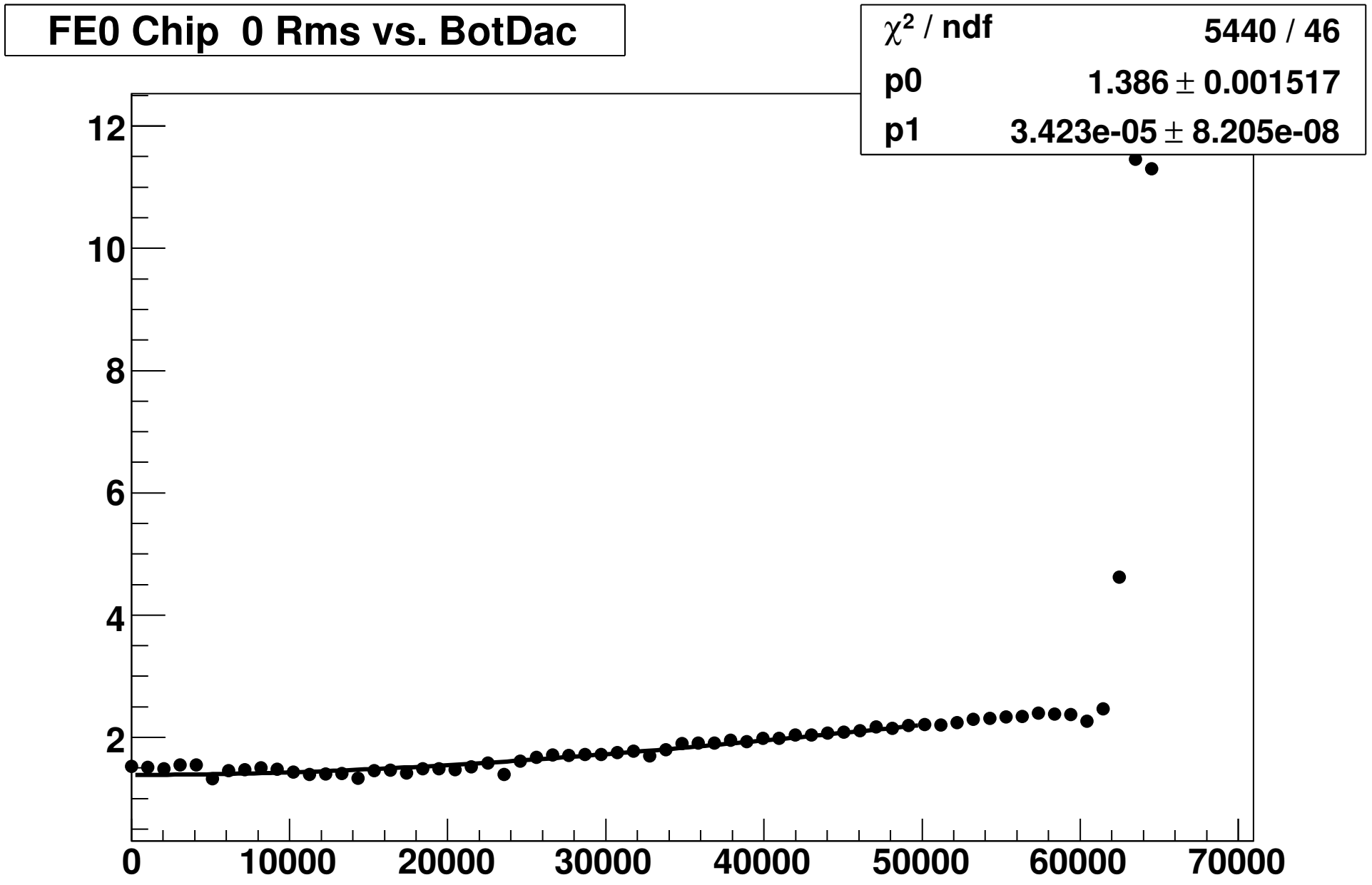
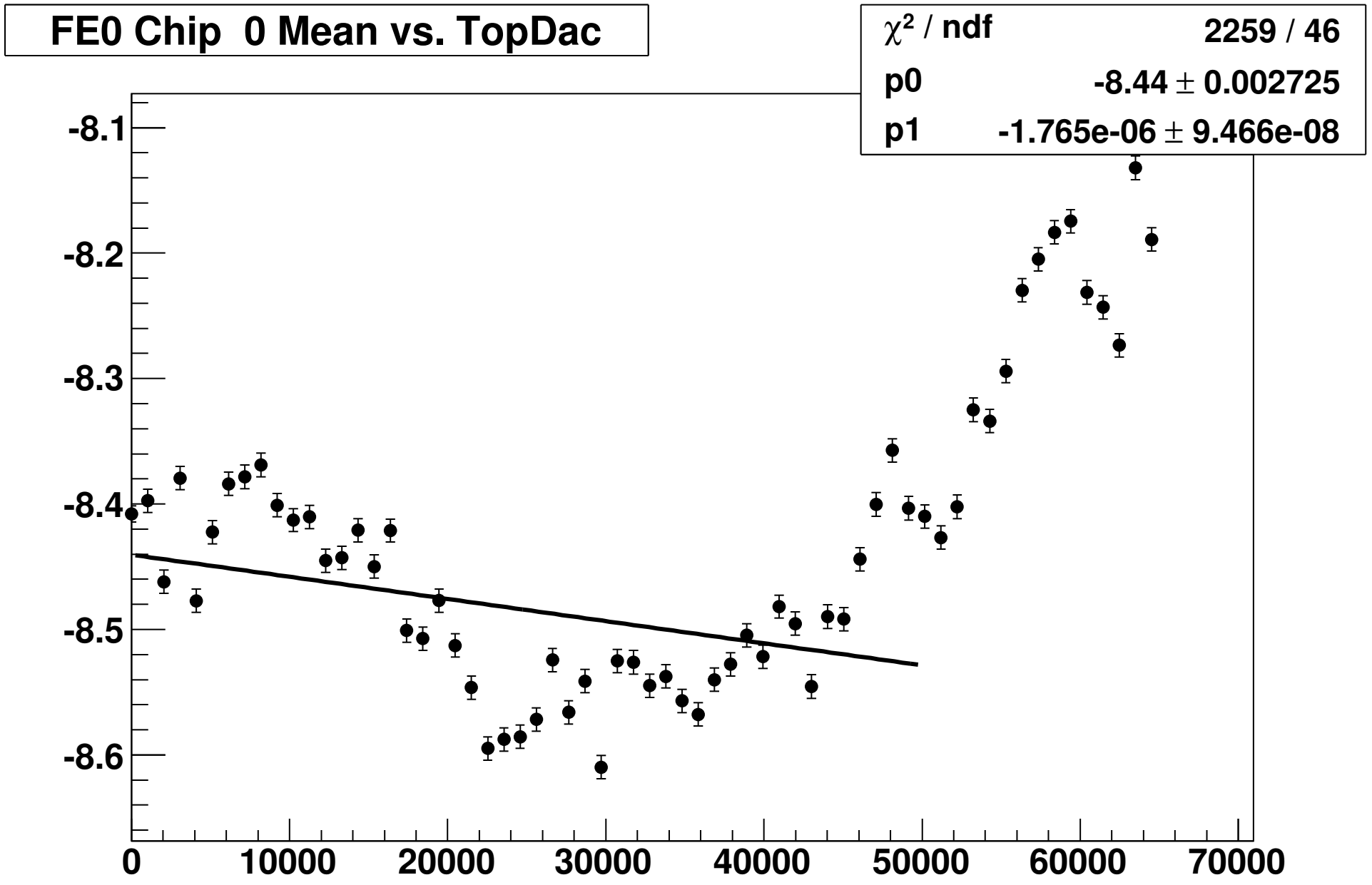

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.476e+06 / 46
p0 -8.184 ± 0.002729
p1 0.4515 ± 1.08e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 5440 / 46
p0 1.386 ± 0.001517
p1 3.423e-05 ± 8.205e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 2259 / 46
p0 -8.44 ± 0.002725
p1 -1.765e-06 ± 9.466e-08
-8.1
-8.2
-8.3
-8.4
-8.5
-8.6
0
10000
20000
30000
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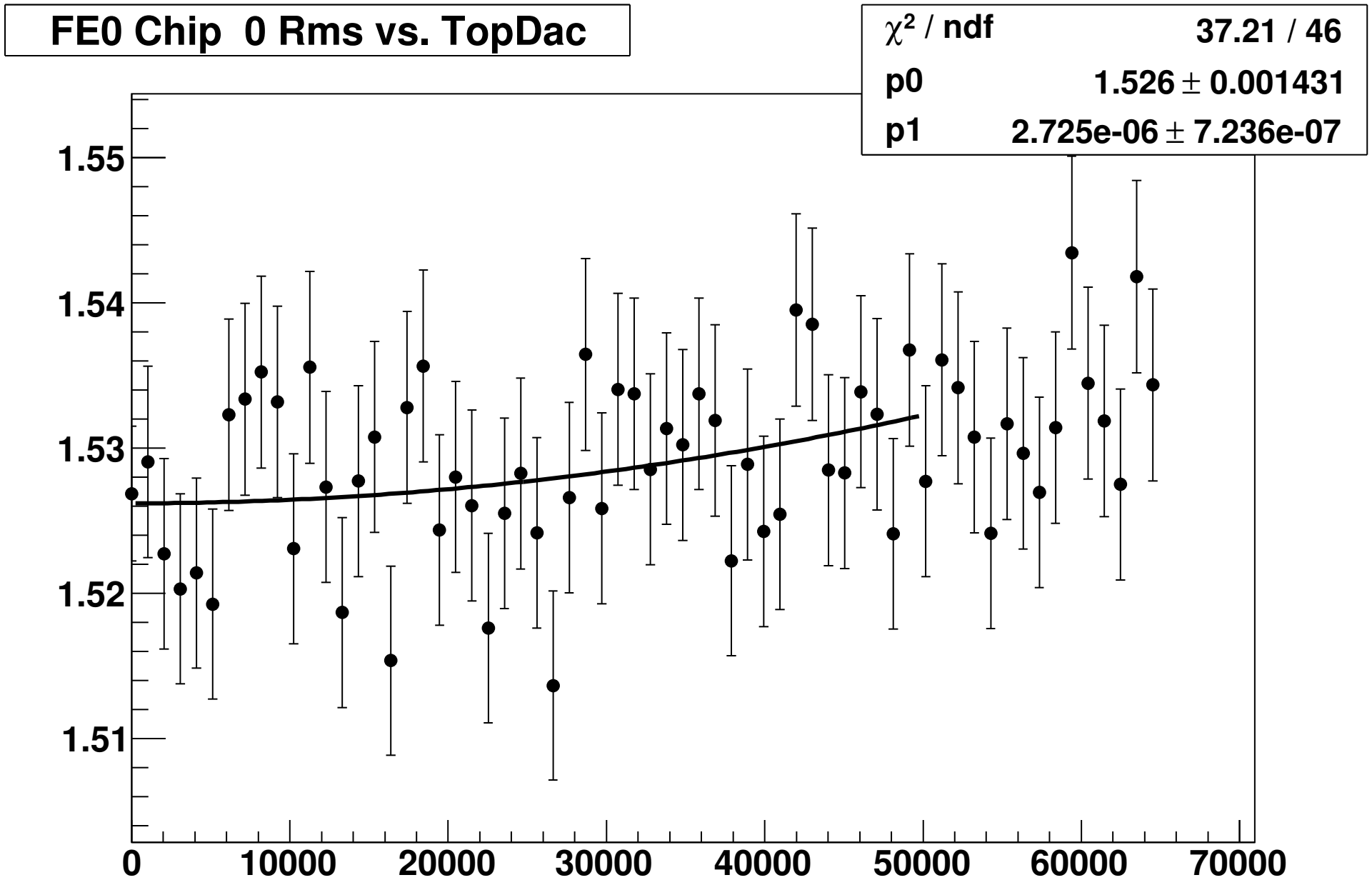
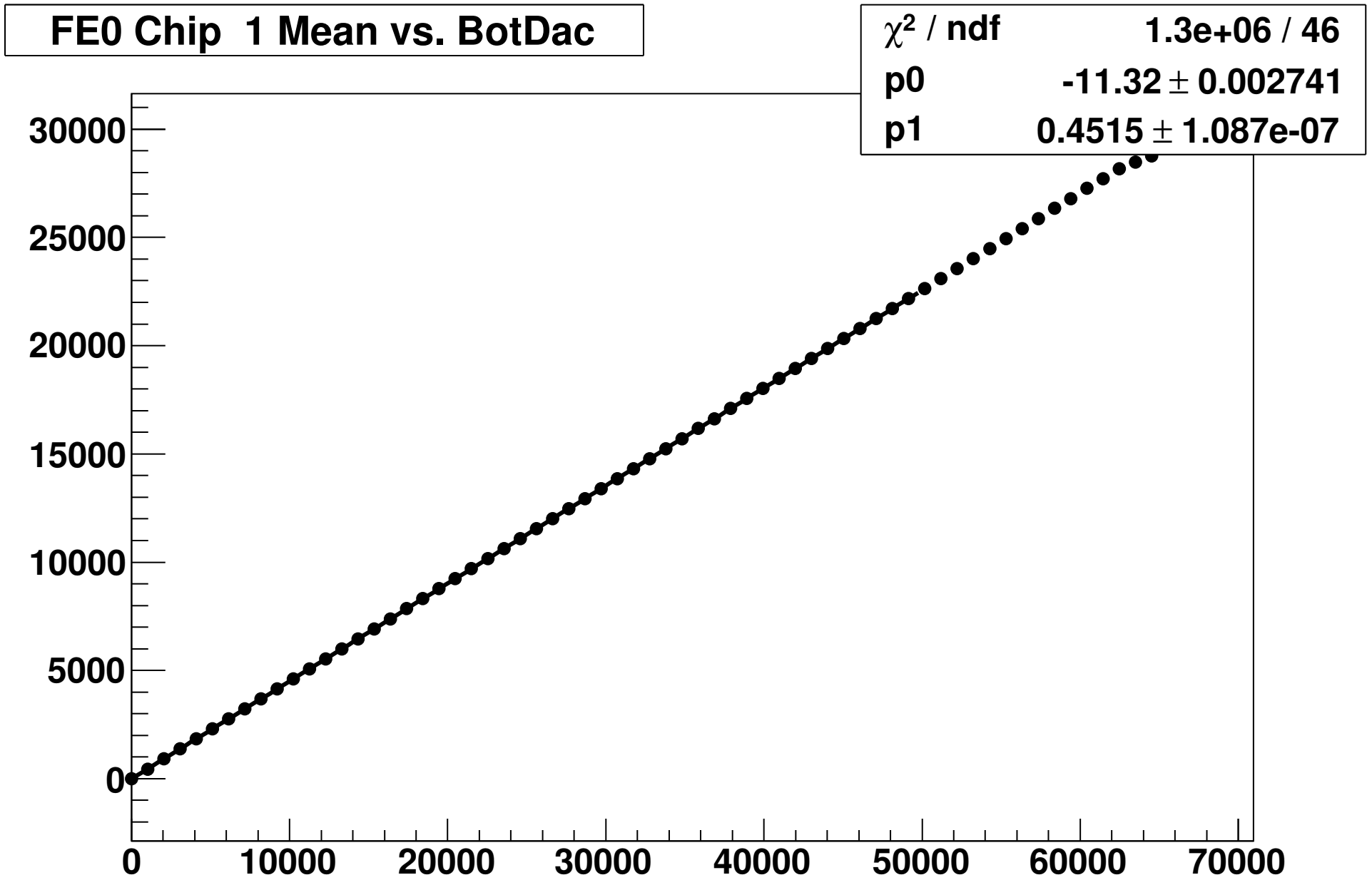
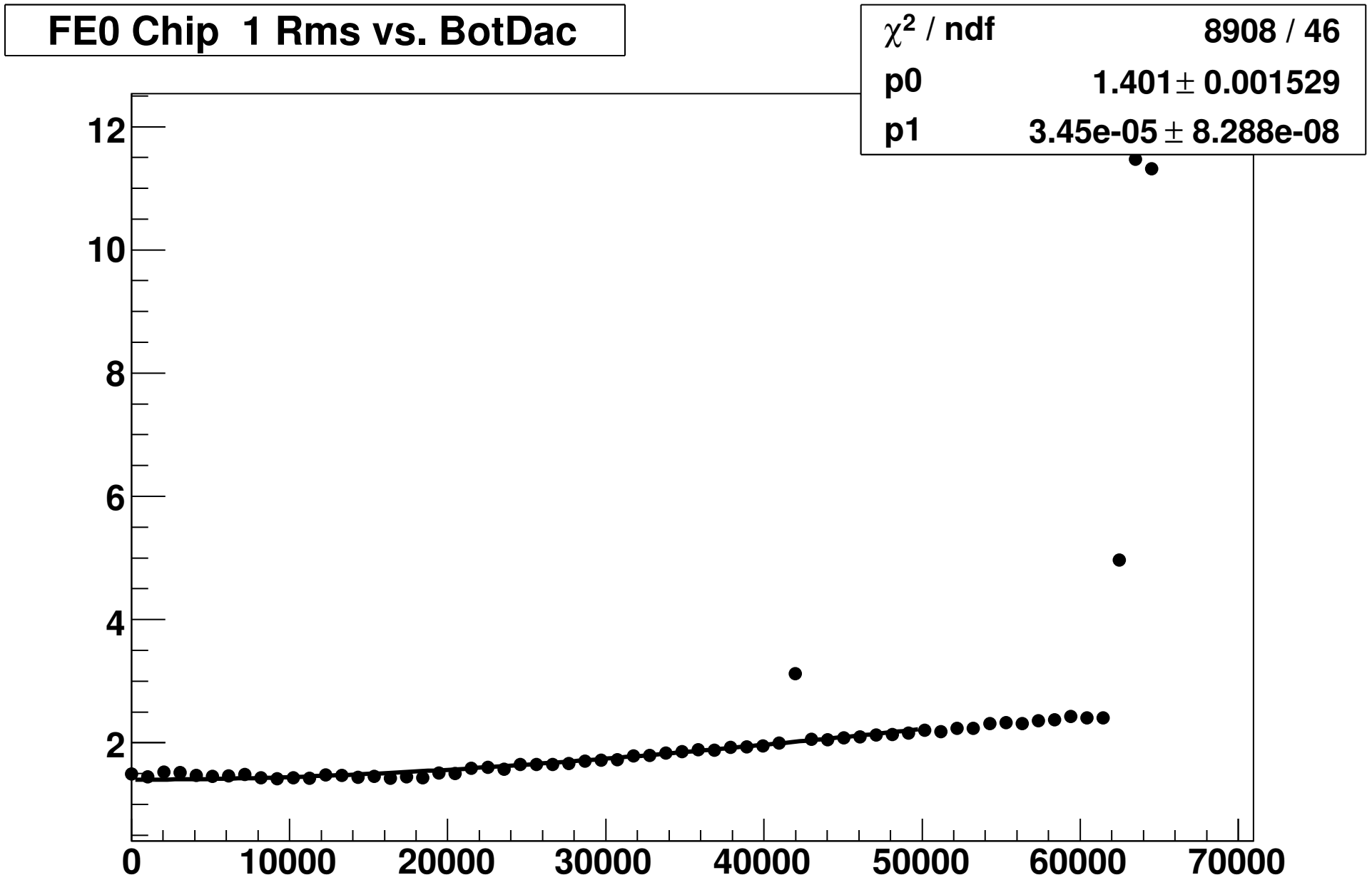
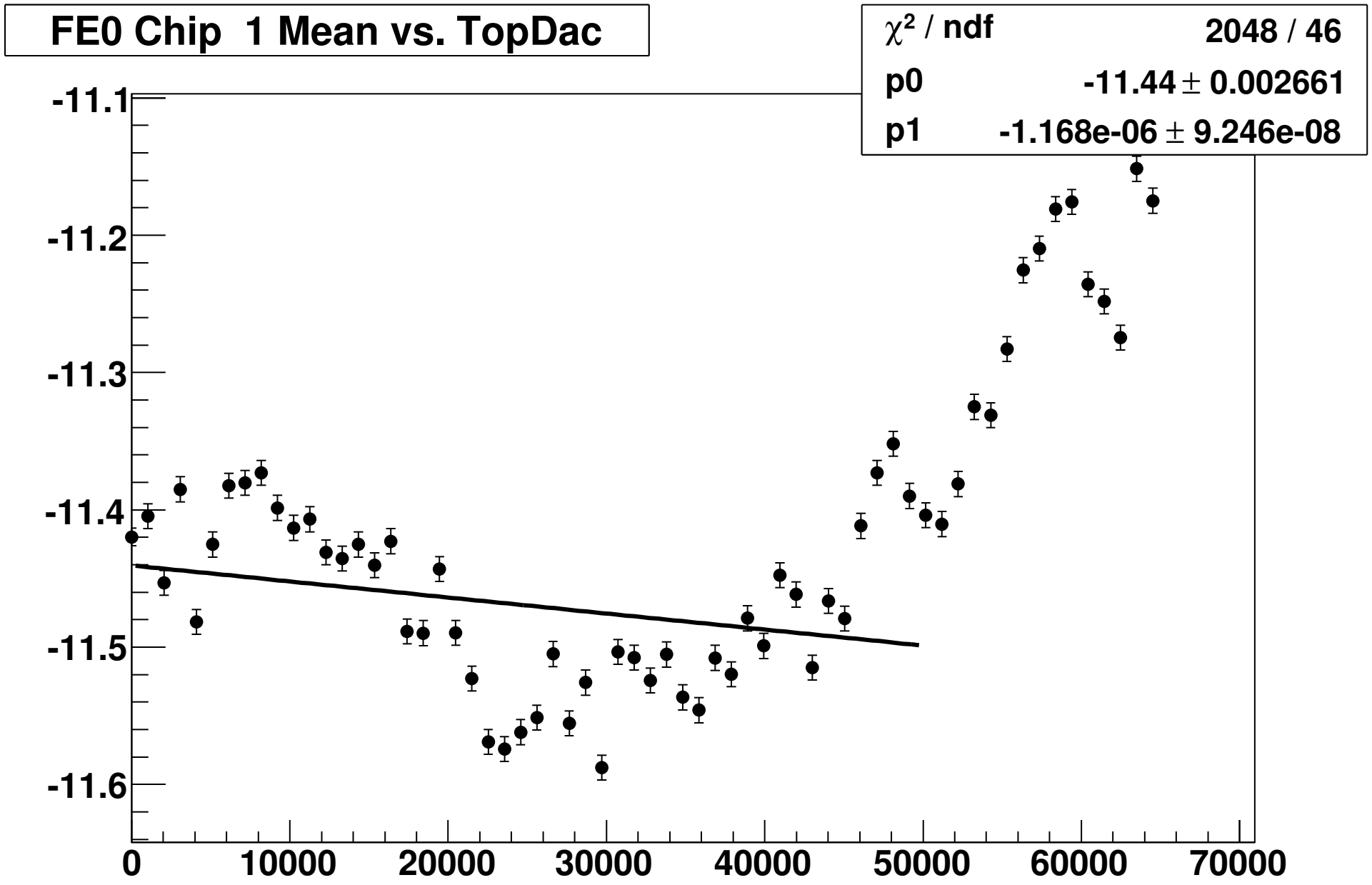
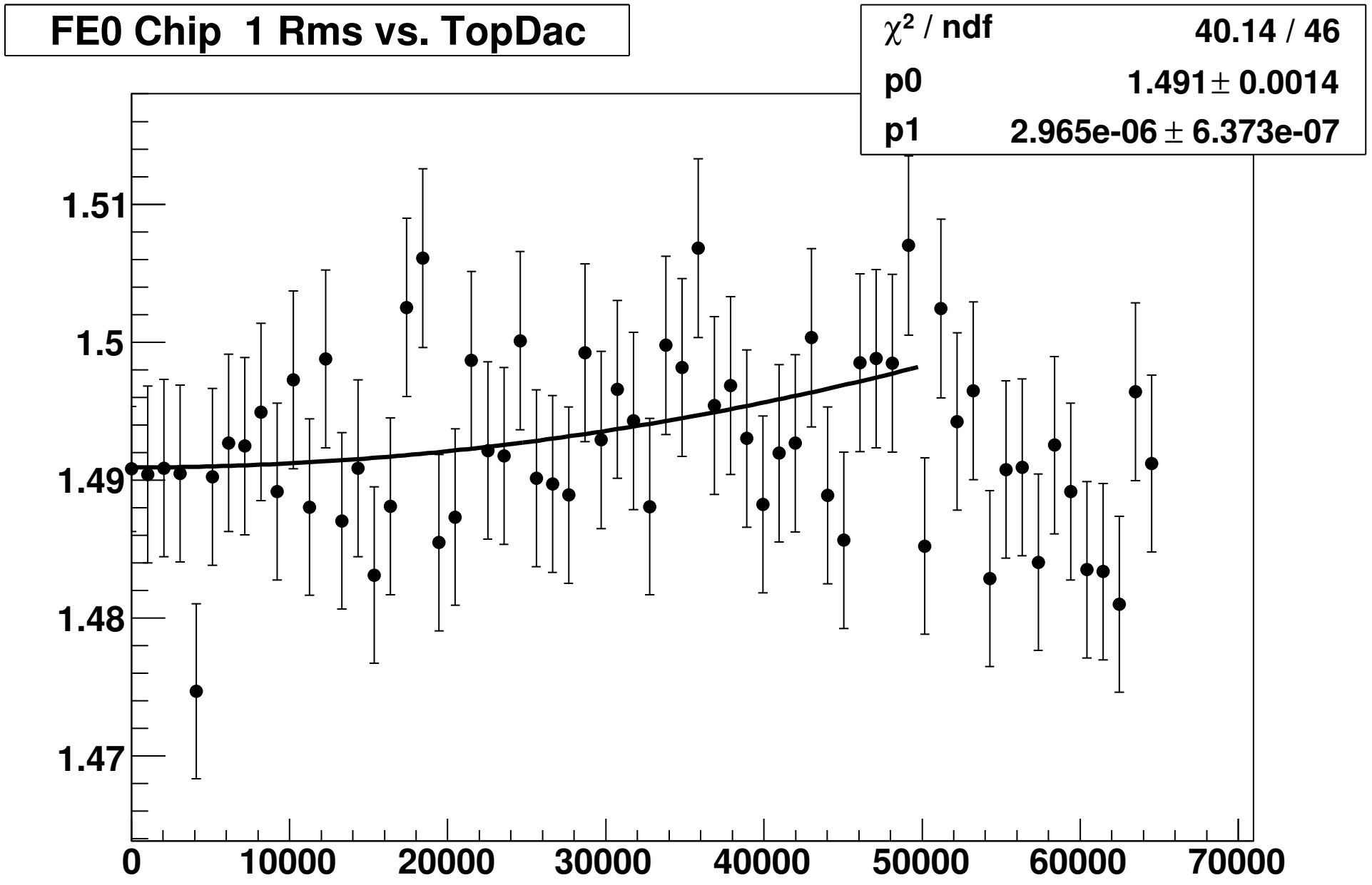
60000
70000

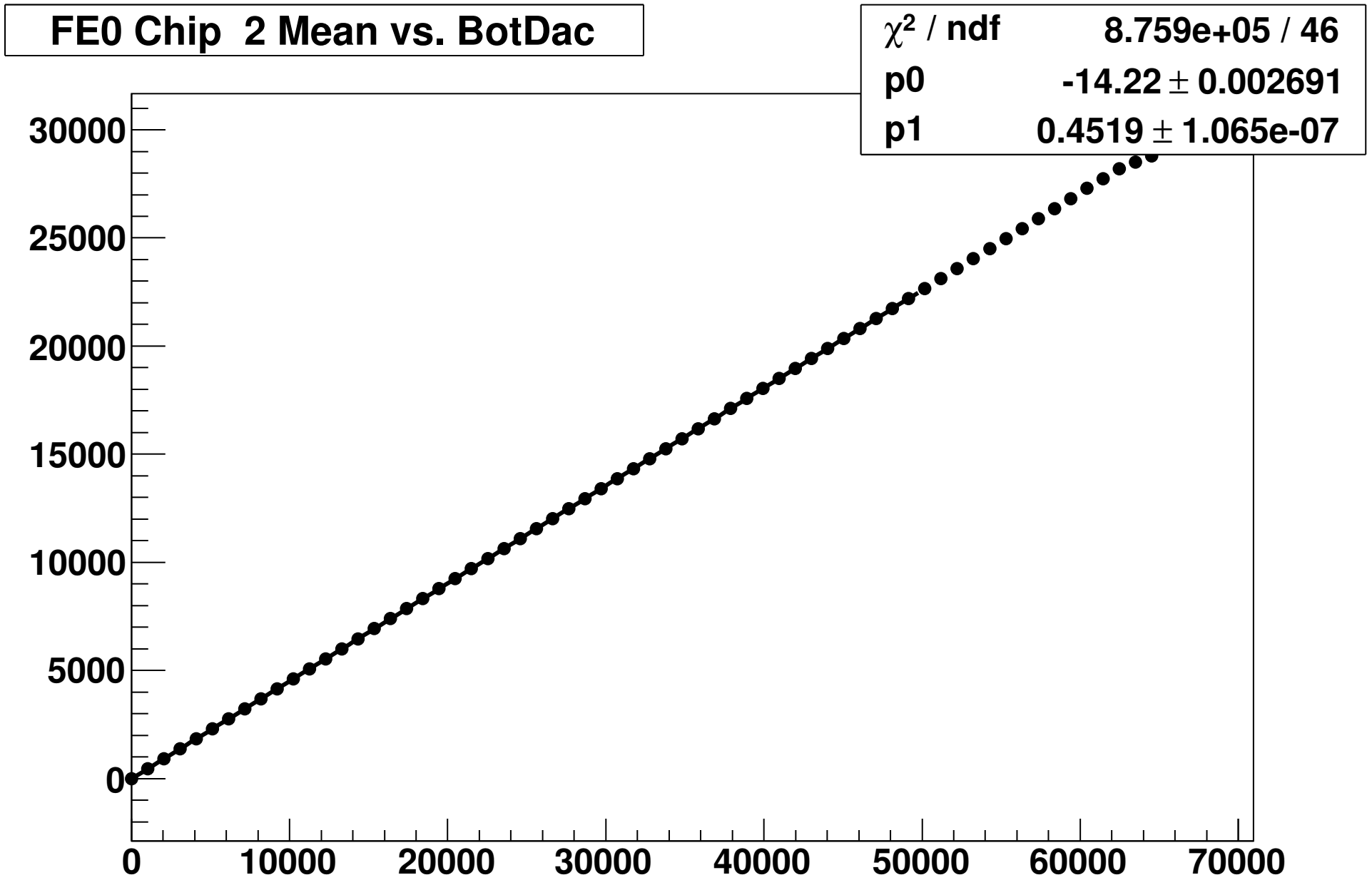

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 37.21 / 46
p0 1.526 ± 0.001431
p1 2.725e-06 ± 7.236e-07
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000

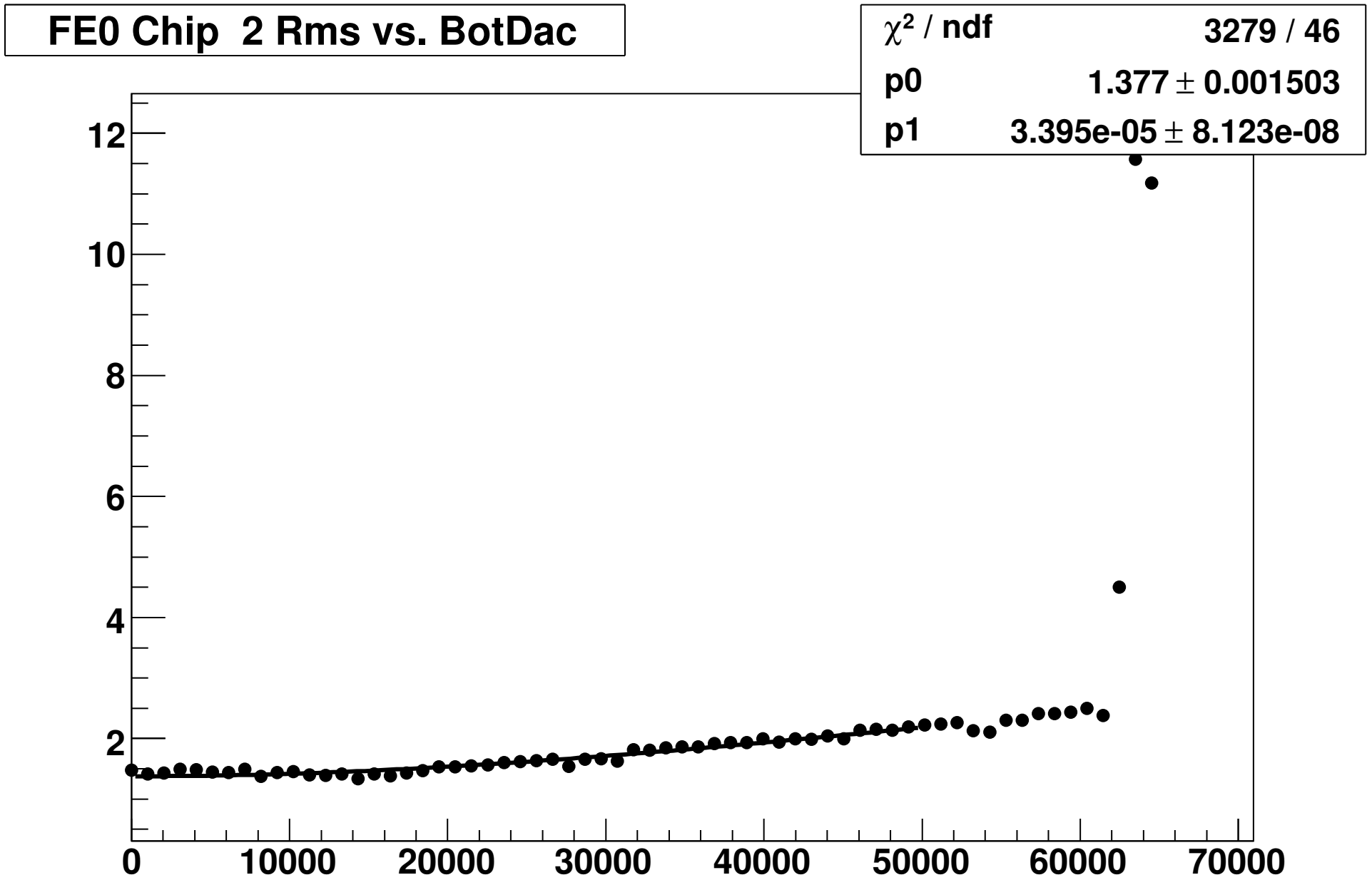

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.3e+06 / 46
p0 -11.32 ± 0.002741
p1 0.4515 ± 1.087e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

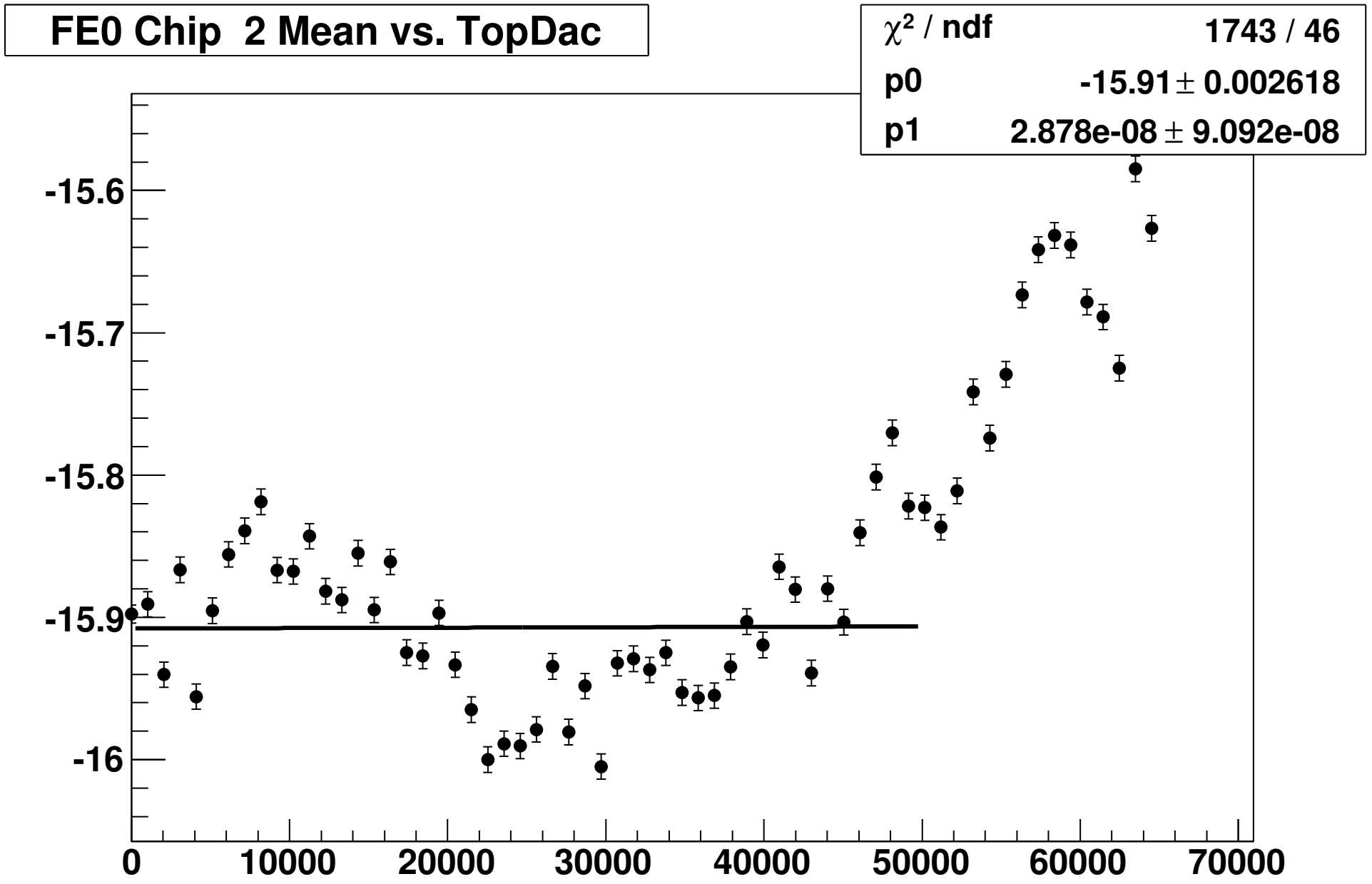

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 8908 / 46
p0 1.401 ± 0.001529
p1 3.45e-05 ± 8.288e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

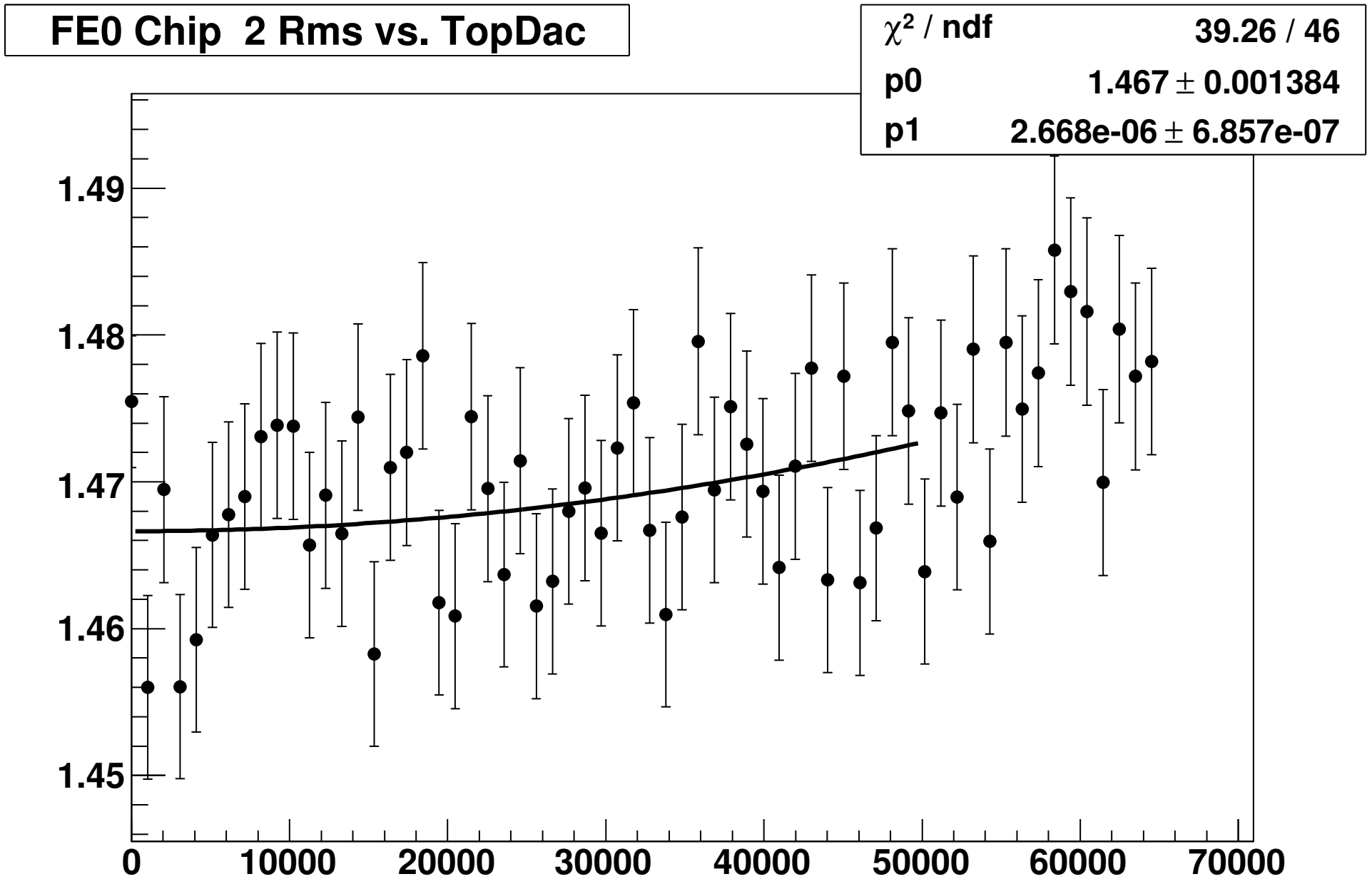

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 2048 / 46
p0 -11.44 ± 0.002661
p1 -1.168e-06 ± 9.246e-08
-11.1
-11.2
-11.3
-11.4
-11.5
-11.6
0
10000
20000
30000
40000
50000
60000
70000

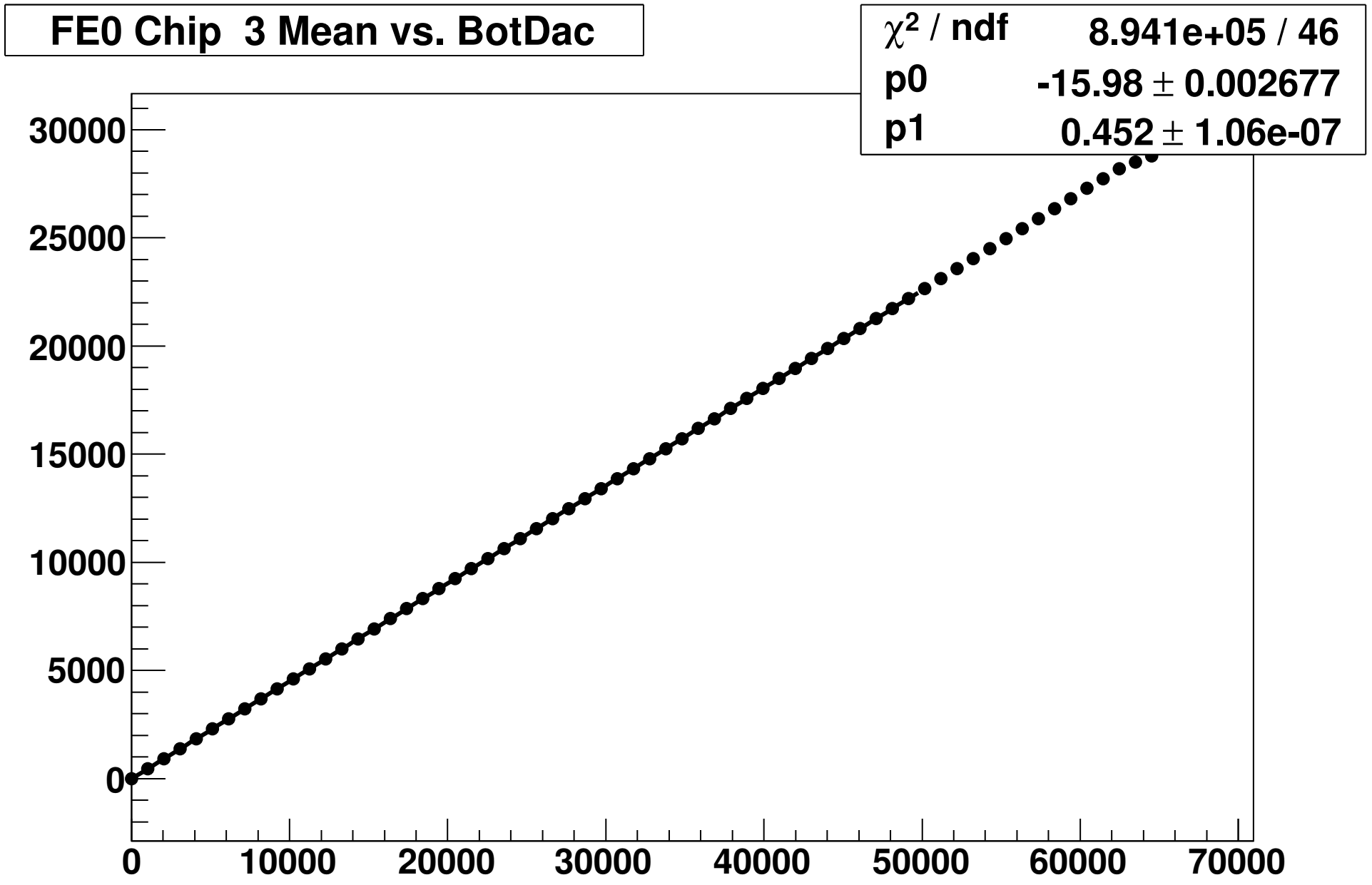

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 40.14 / 46
p0 1.491 ± 0.0014
p1 2.965e-06 ± 6.373e-07
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

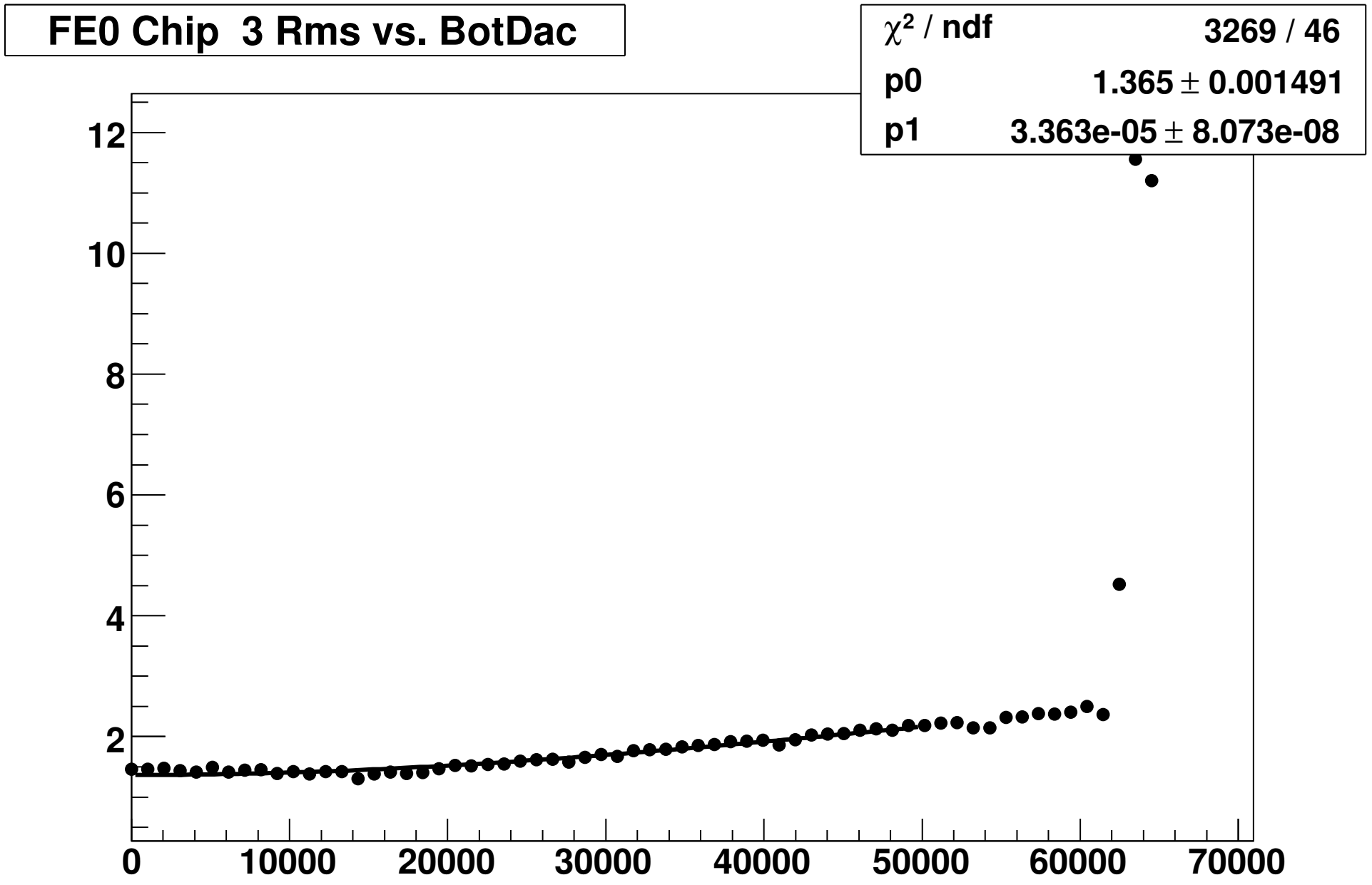

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 8.759e+05 / 46
p0 -14.22 ± 0.002691
p1 0.4519 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

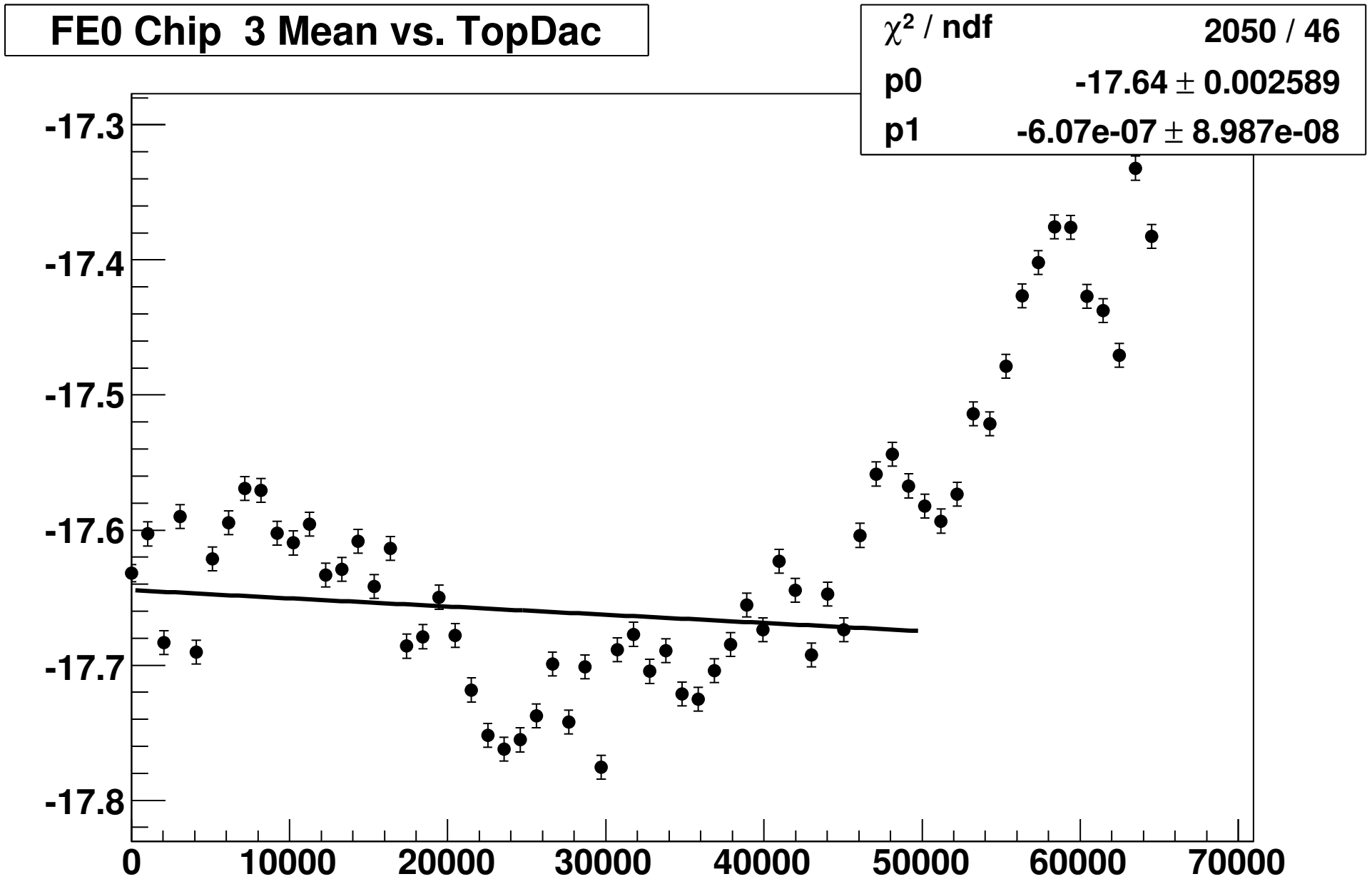

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 3279 / 46
p0 1.377 ± 0.001503
p1 3.395e-05 ± 8.123e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

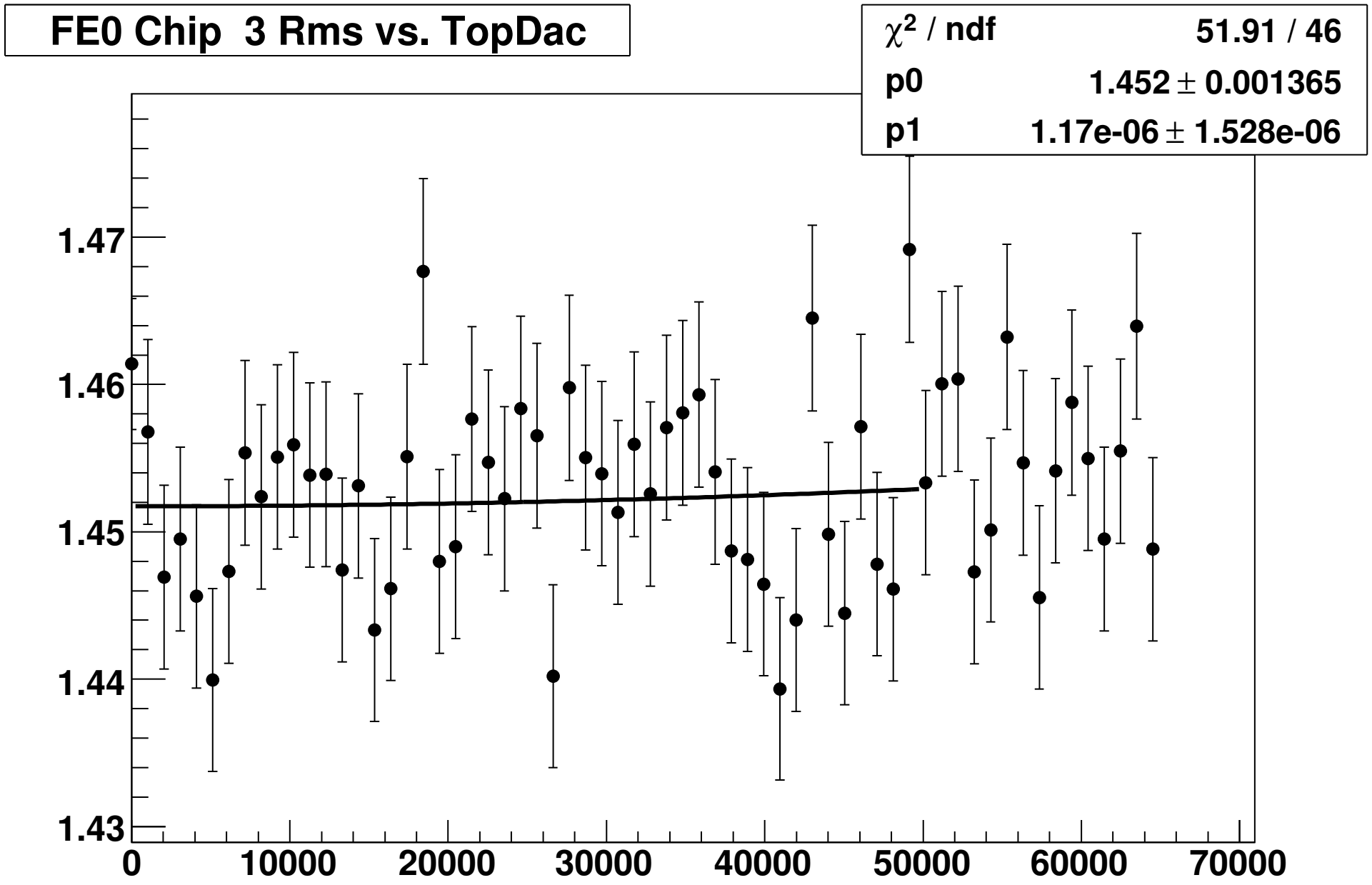

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 1743 / 46
p0 -15.91 ± 0.002618
p1 2.878e-08 ± 9.092e-08
-15.6
-15.7
-15.8
-15.9
-16
0
10000
20000
30000
40000
50000
60000
70000

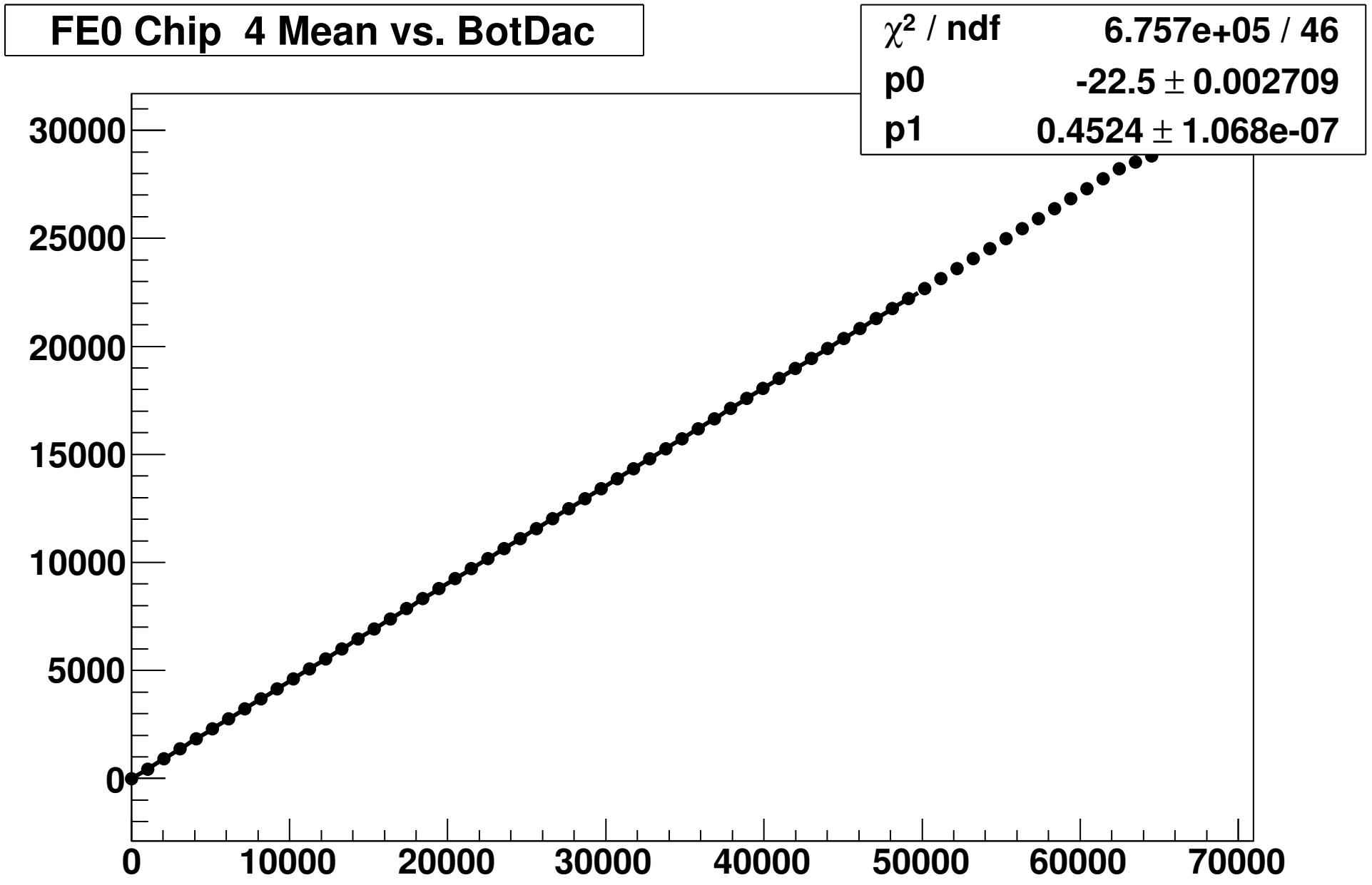

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 39.26 / 46
p0 1.467 ± 0.001384
p1 2.668e-06 ± 6.857e-07
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

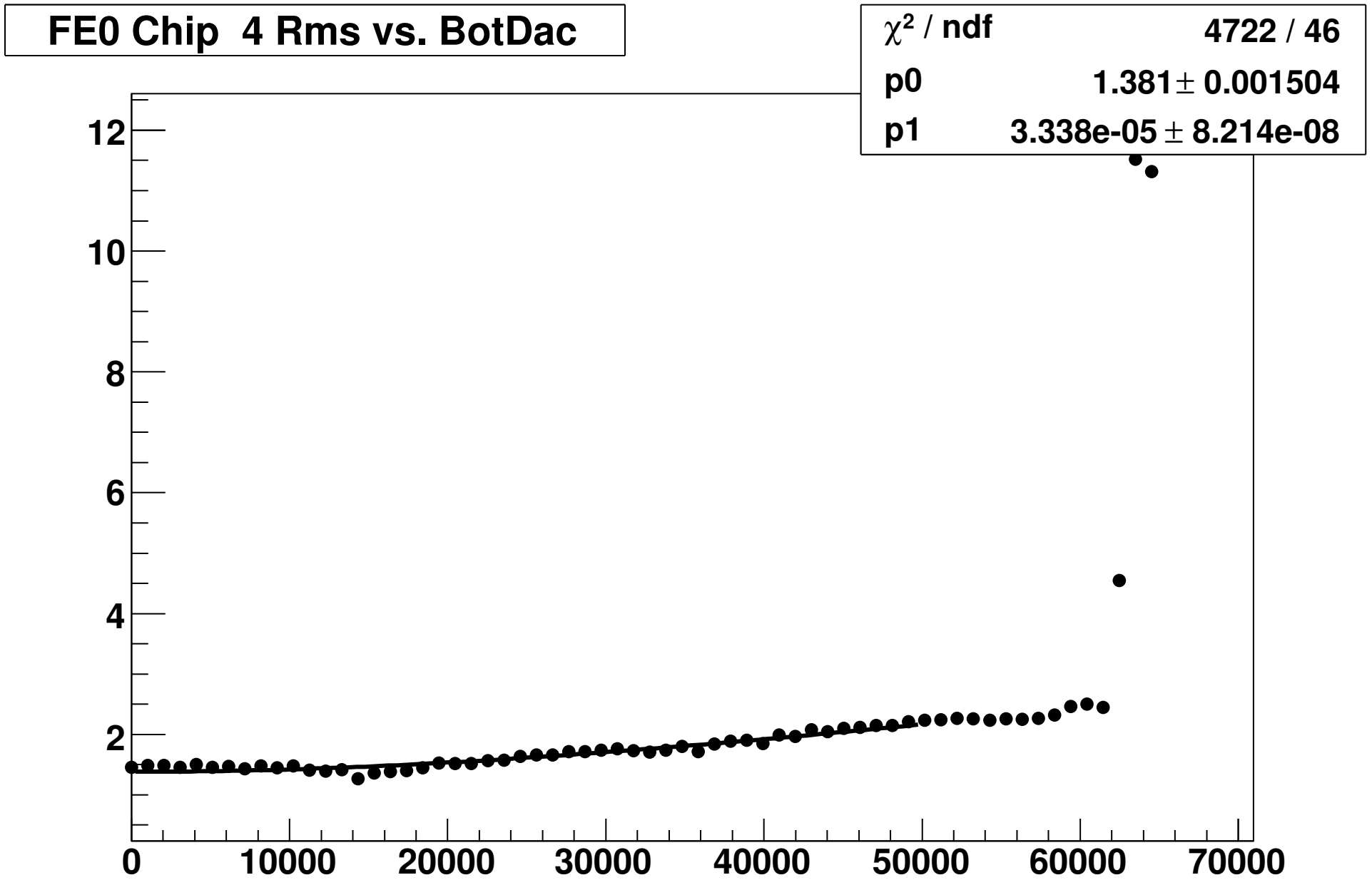

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 8.941e+05 / 46
p0 -15.98 ± 0.002677
p1 0.452 ± 1.06e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

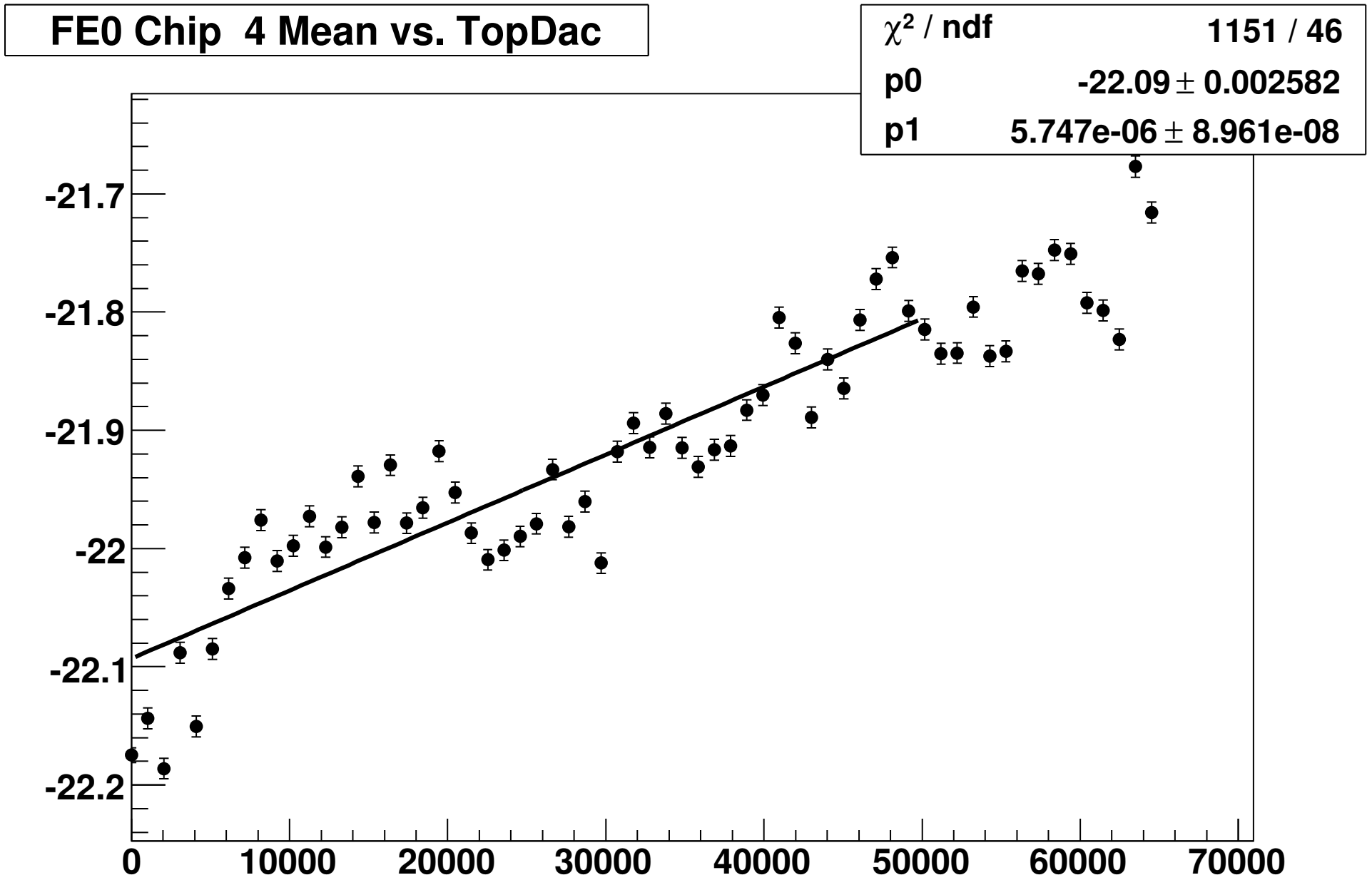

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 3269 / 46
p0 1.365 ± 0.001491
p1 3.363e-05 ± 8.073e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

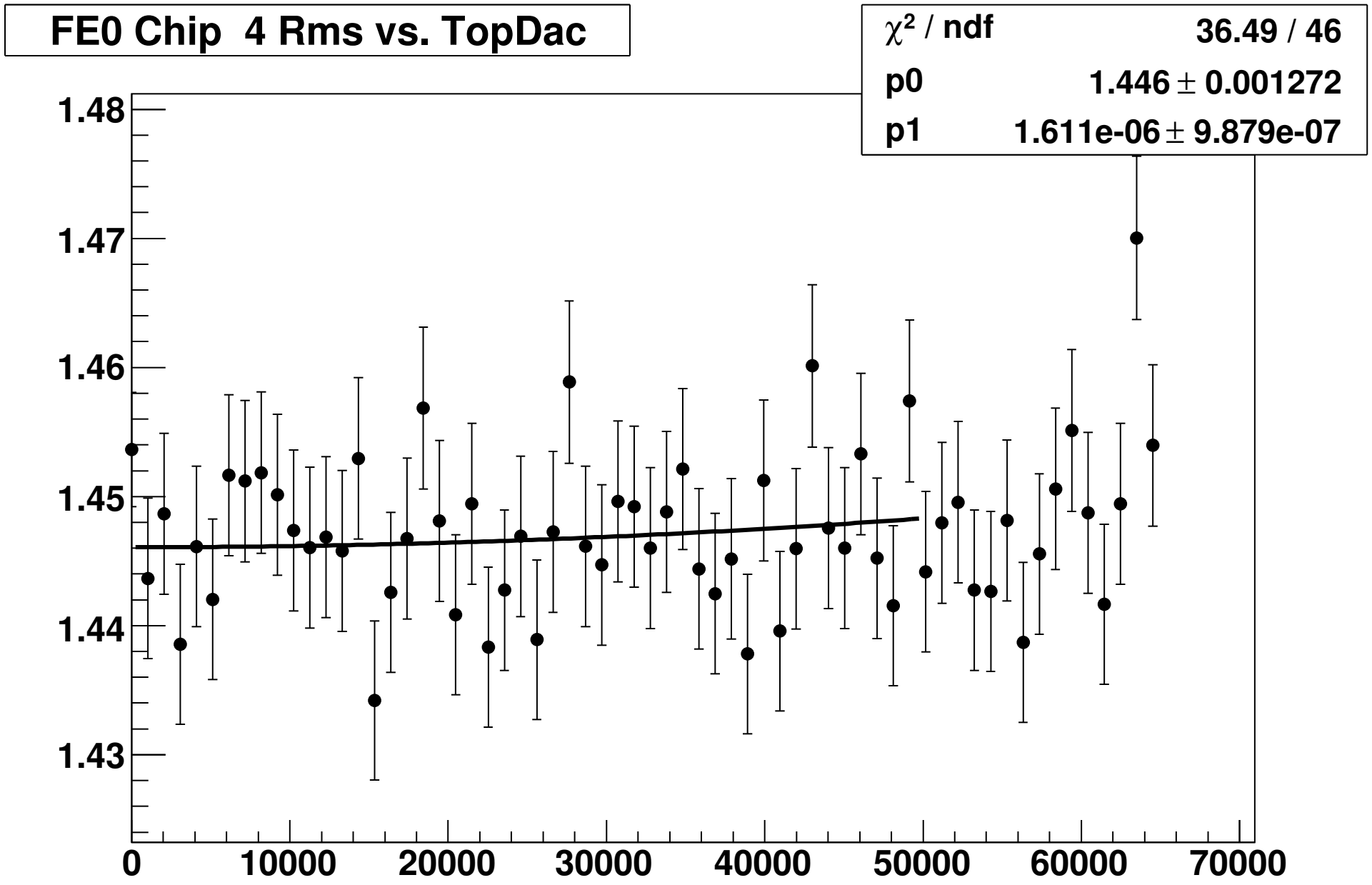

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 2050 / 46
p0 -17.64 ± 0.002589
p1 -6.07e-07 ± 8.987e-08
-17.3
-17.4
-17.5
-17.6
-17.7
-17.8
0
10000
20000
30000
40000
50000
60000
70000

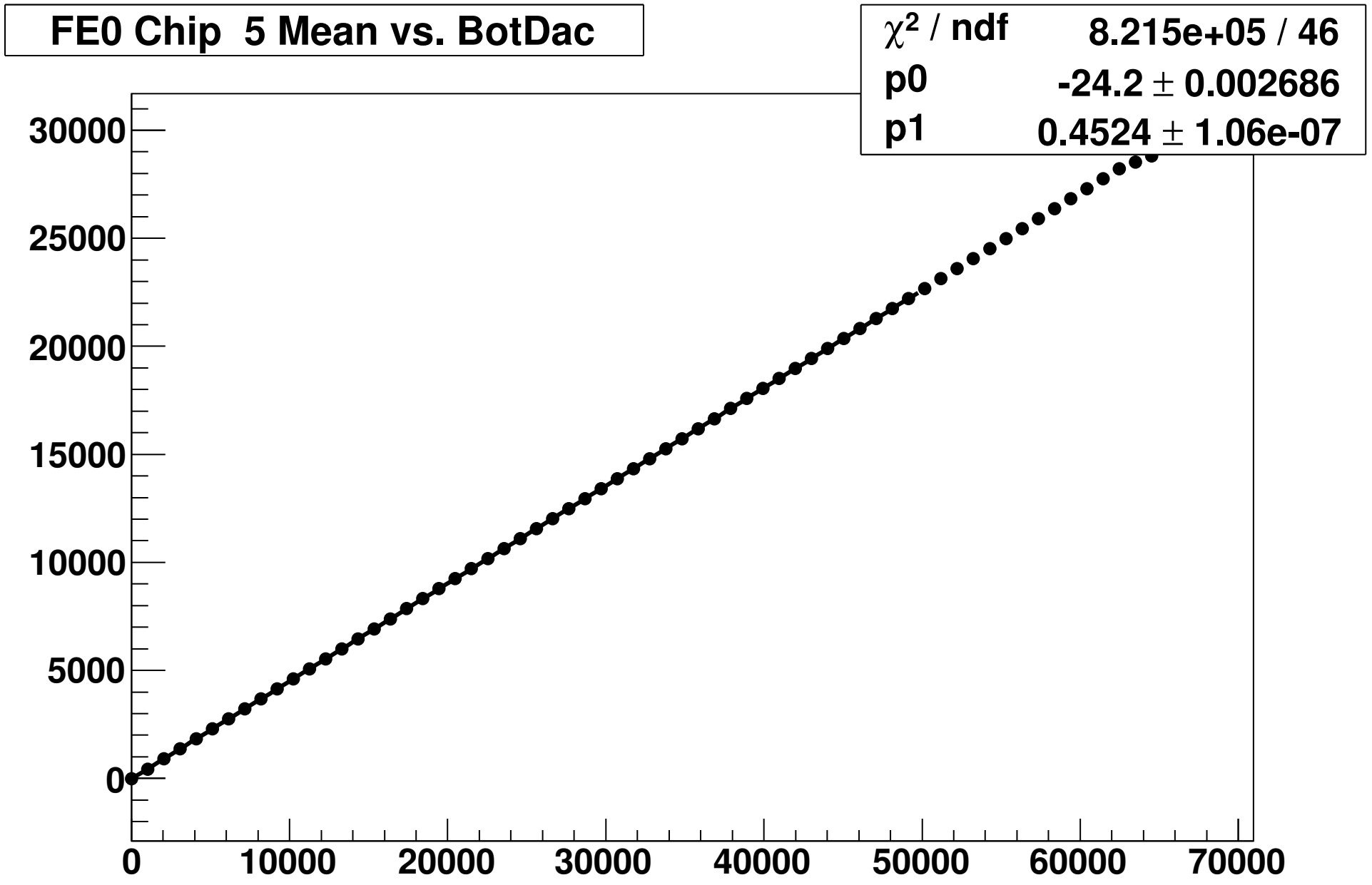

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 51.91 / 46
p0 1.452 ± 0.001365
p1 1.17e-06 ± 1.528e-06
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 6.757e+05 / 46
p0 -22.5 ± 0.002709
p1 0.4524 ± 1.068e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 4722 / 46
p0 1.381 ± 0.001504
p1 3.338e-05 ± 8.214e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 1151 / 46
p0 -22.09 ± 0.002582
p1 5.747e-06 ± 8.961e-08
-21.7
-21.8
-21.9
-22
-22.1
-22.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 36.49 / 46
p0 1.446 ± 0.001272
p1 1.611e-06 ± 9.879e-07
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 8.215e+05 / 46
p0 -24.2 ± 0.002686
p1 0.4524 ± 1.06e-07
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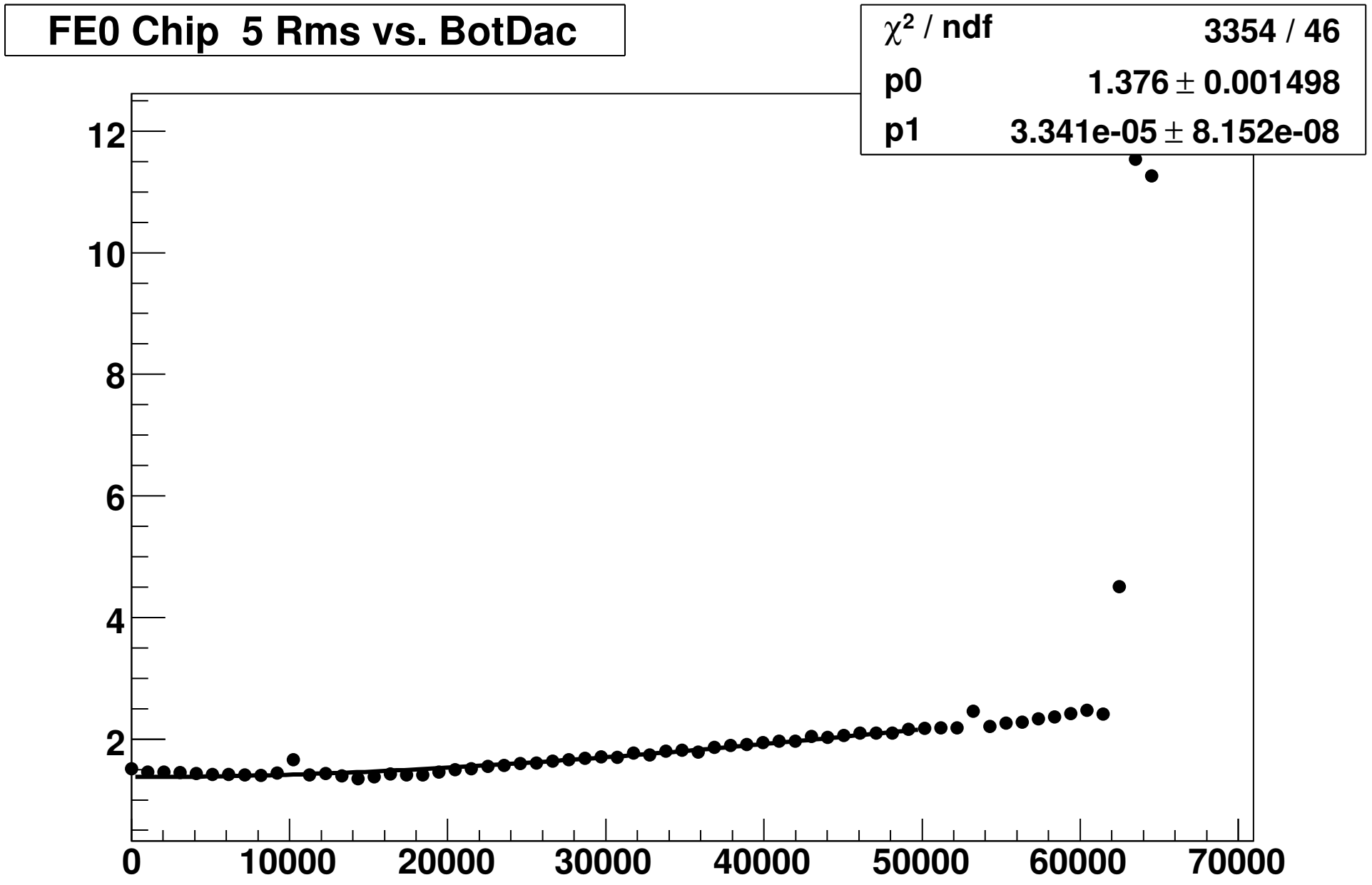
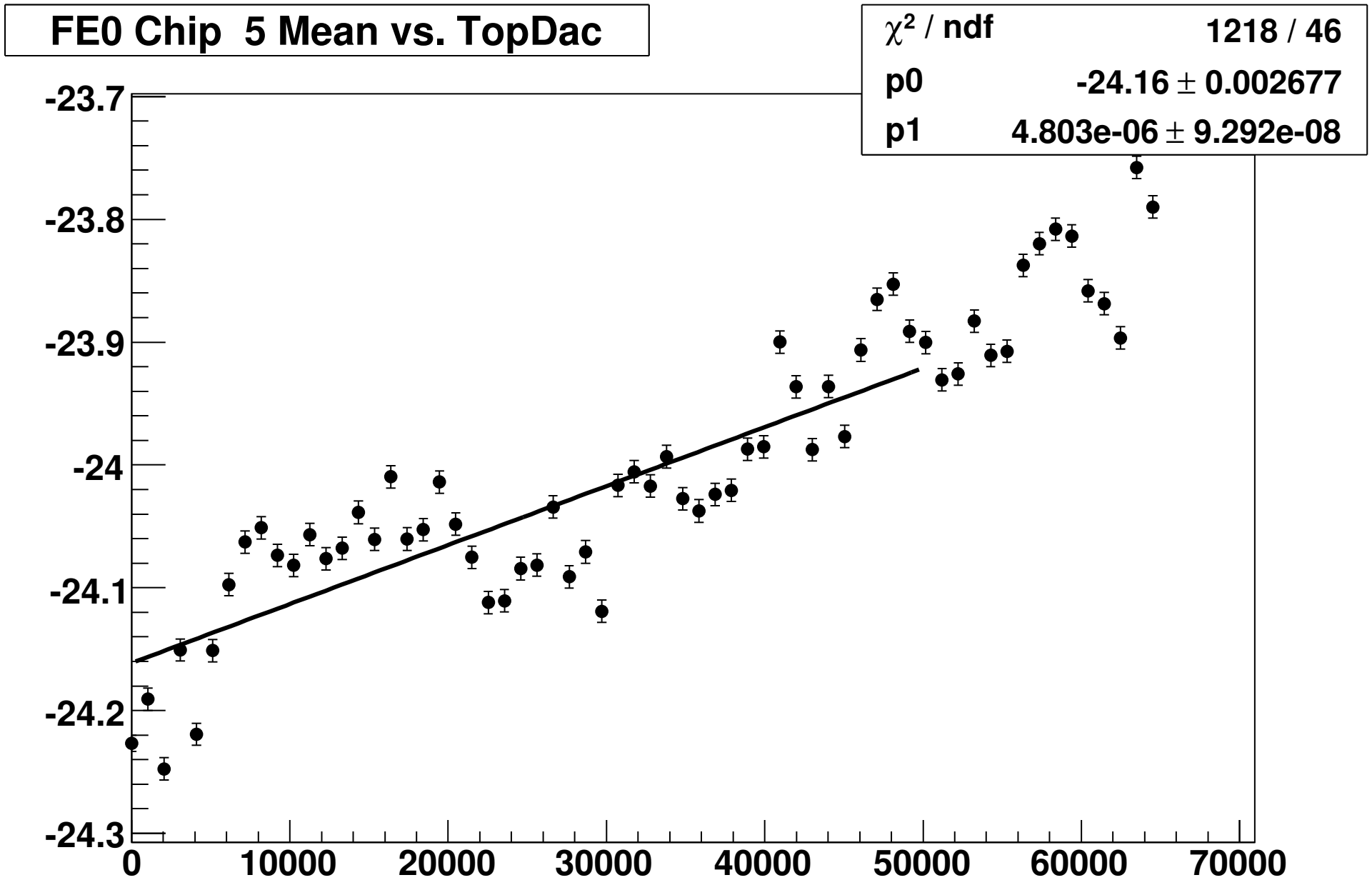
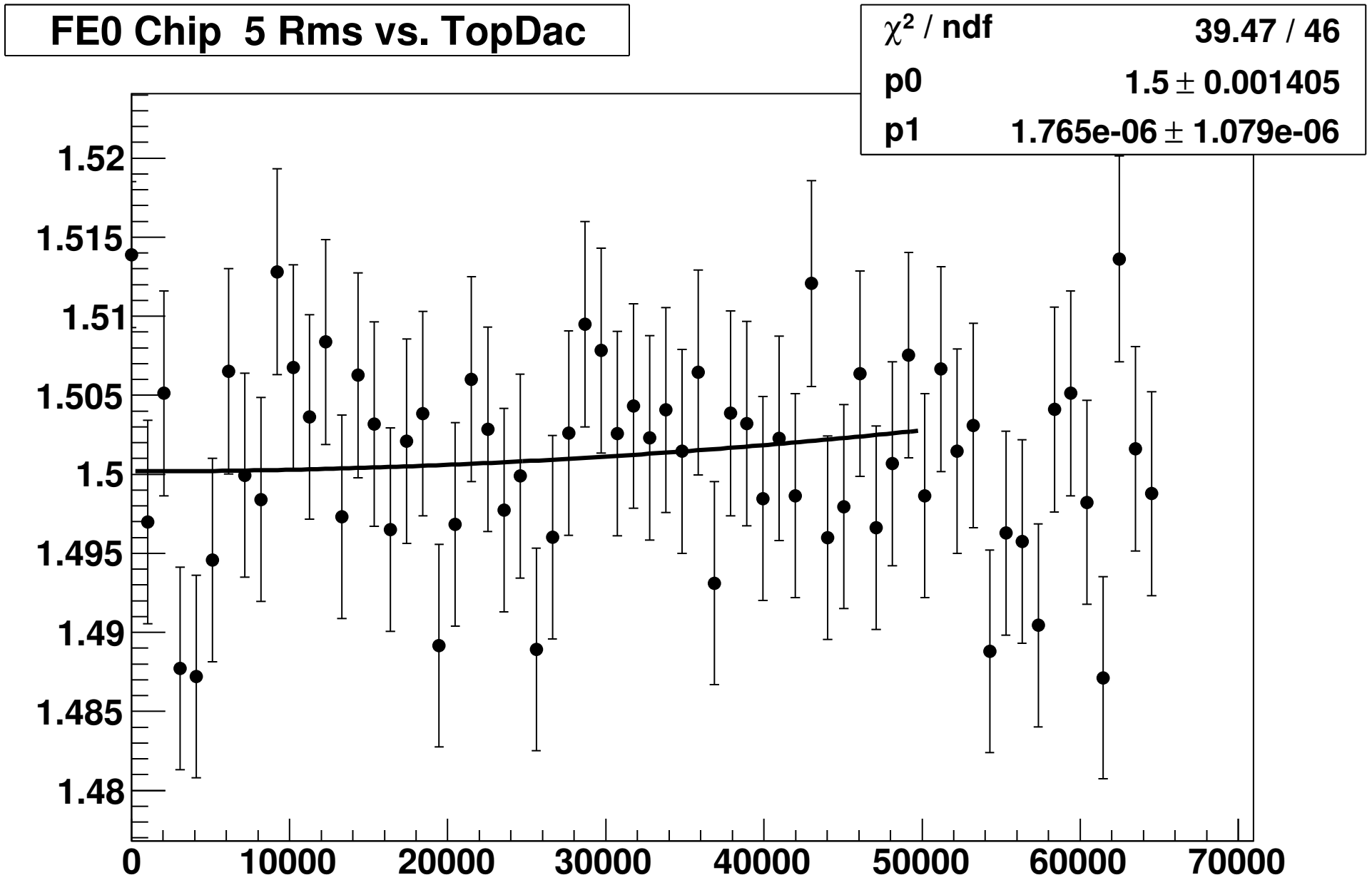
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 3354 / 46
p0 1.376 ± 0.001498
p1 3.341e-05 ± 8.152e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 1218 / 46
p0 -24.16 ± 0.002677
p1 4.803e-06 ± 9.292e-08
-23.7
-23.8
-23.9
-24
-24.1
-24.2
-24.3
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 39.47 / 46
p0 1.5 ± 0.001405
p1 1.765e-06 ± 1.079e-06
1.52
1.515
1.51
1.505
1.5
1.495
1.49
1.485
1.48
0
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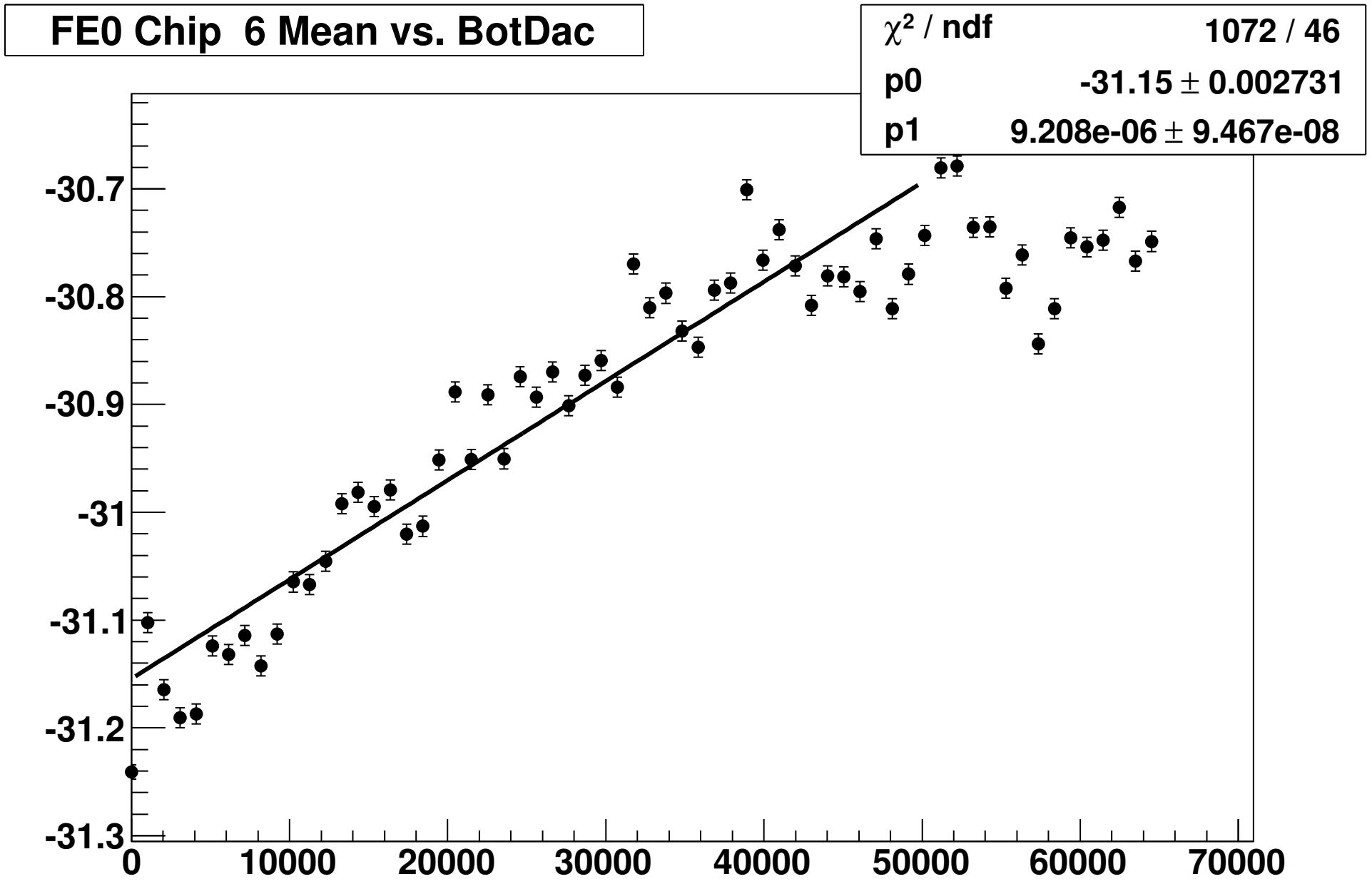
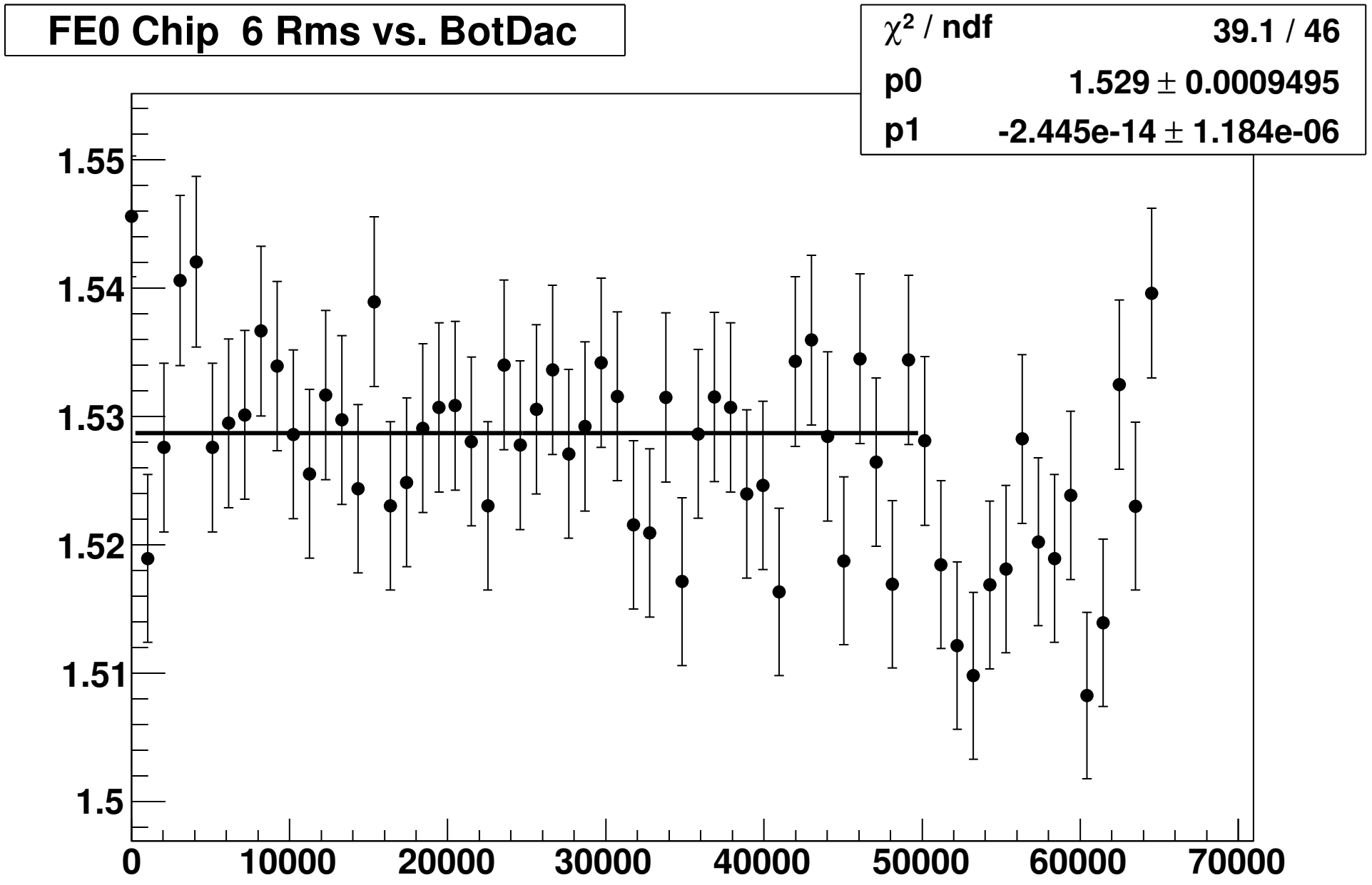
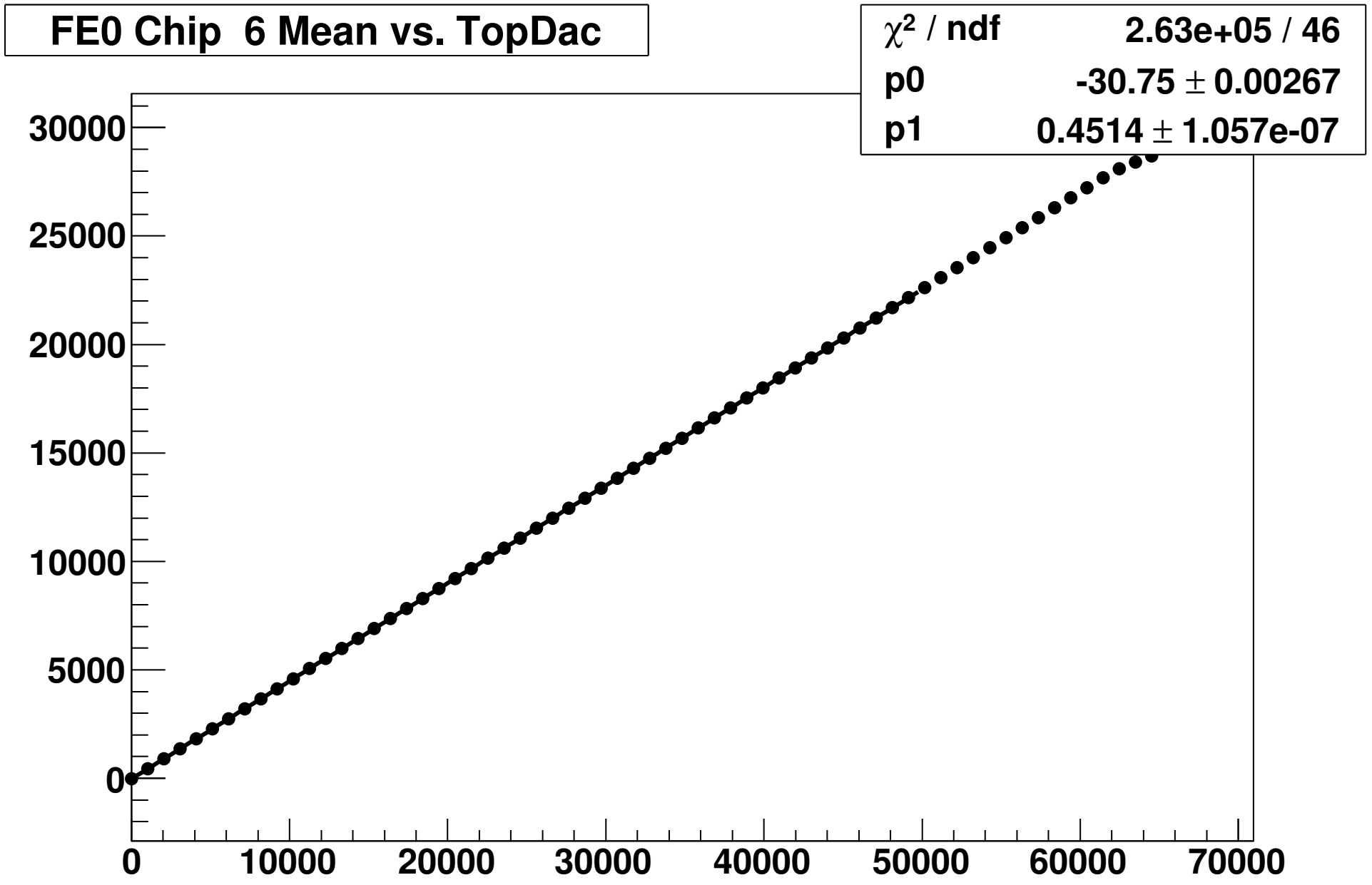
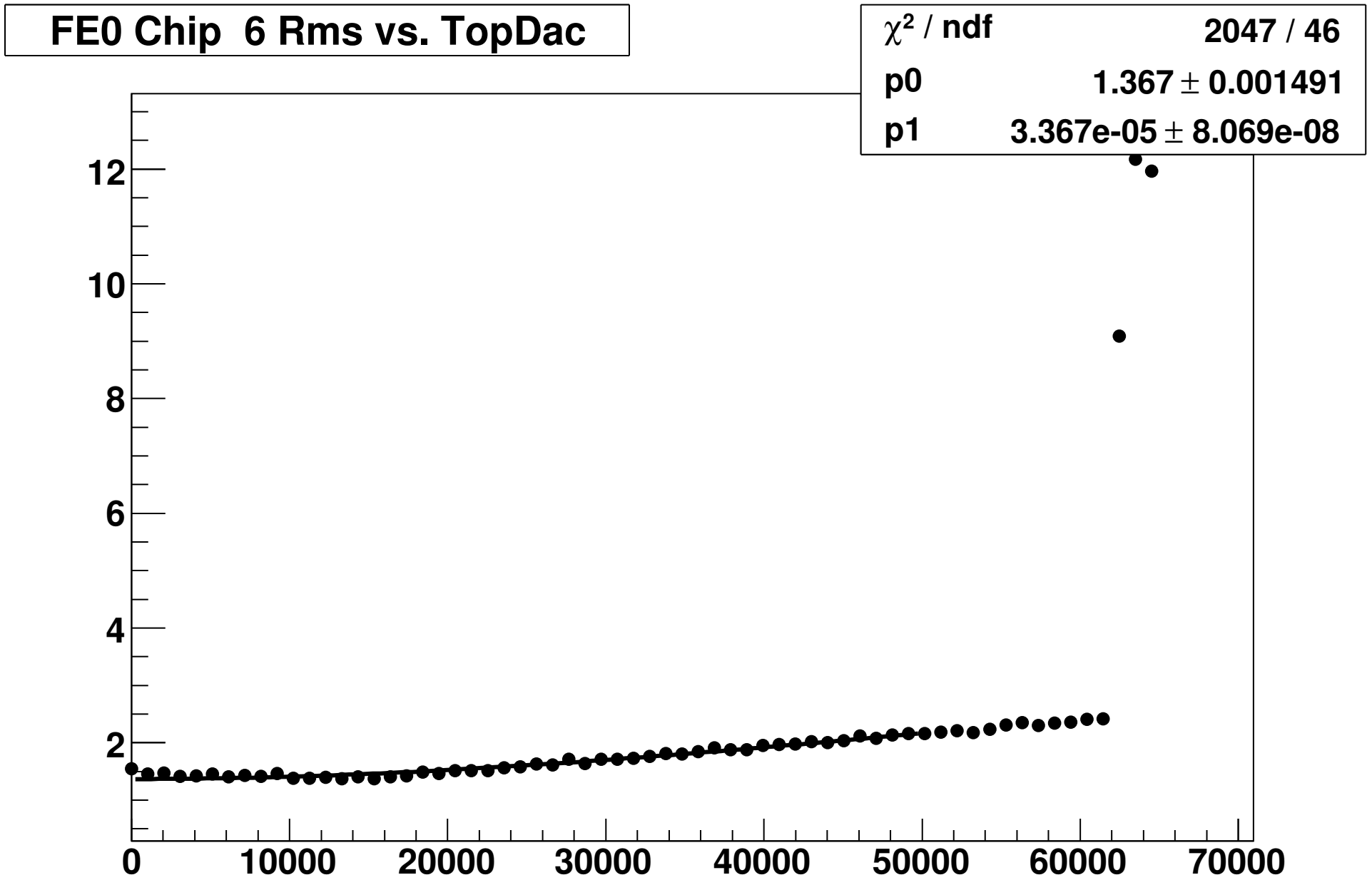
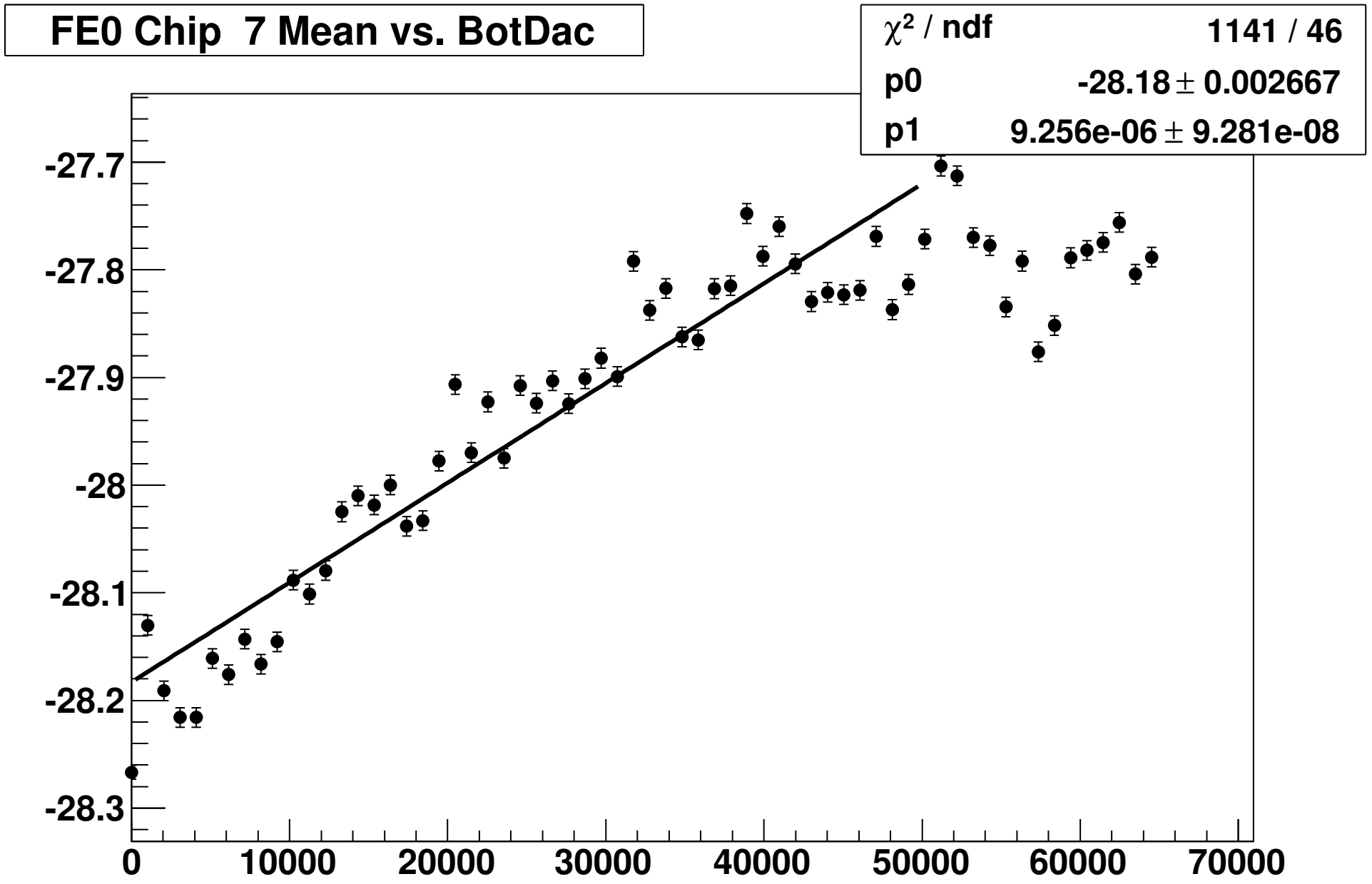
20000
30000
40000
50000
60000
70000

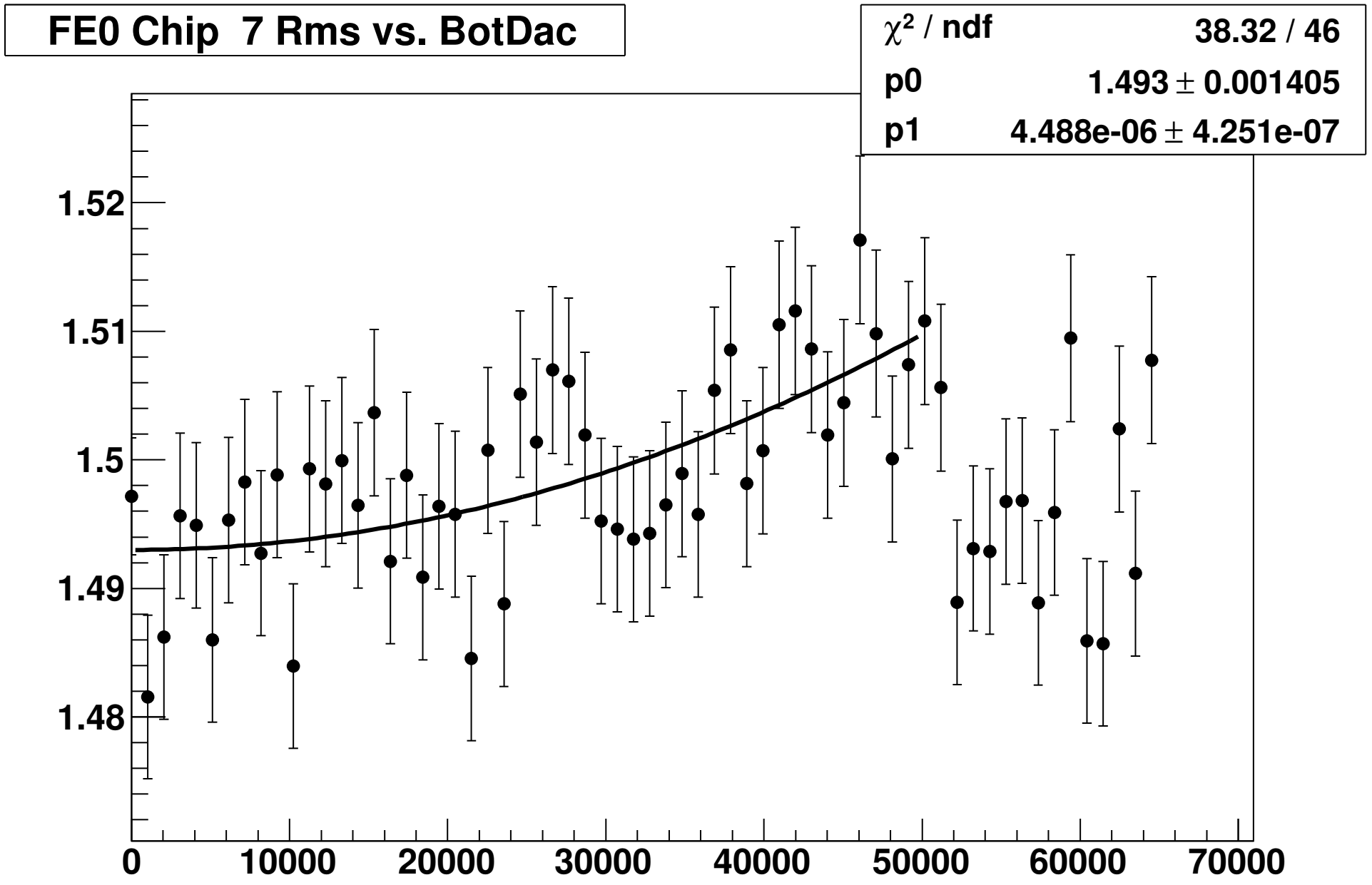

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 1072 / 46
p0 -31.15 ± 0.002731
p1 9.208e-06 ± 9.467e-08
-30.7
-30.8
-30.9
-31
-31.1
-31.2
-31.3
0
10000
20000
30000
40000
50000
60000
70000

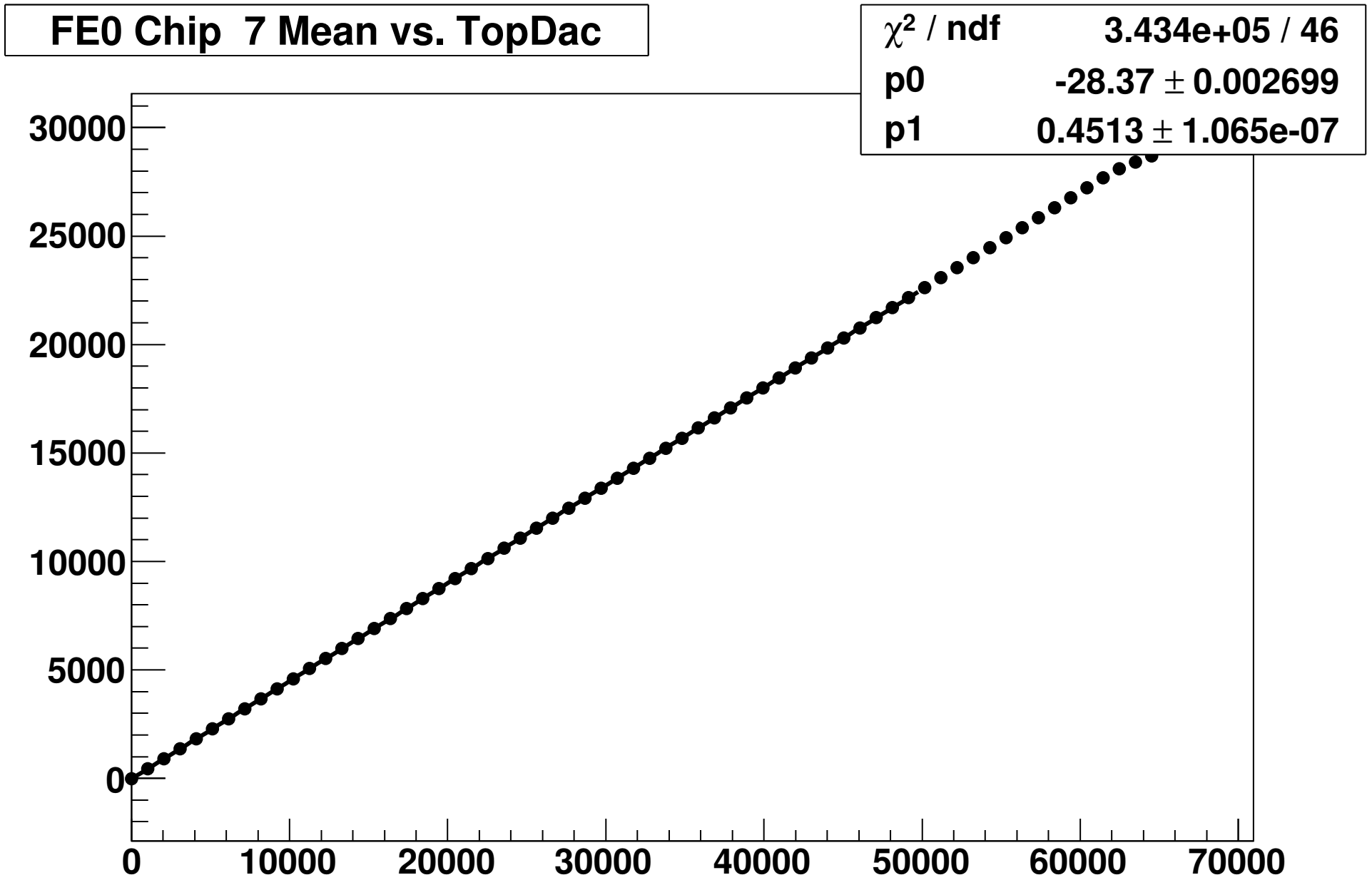

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 39.1 / 46
p0 1.529 ± 0.0009495
p1 -2.445e-14 ± 1.184e-06
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

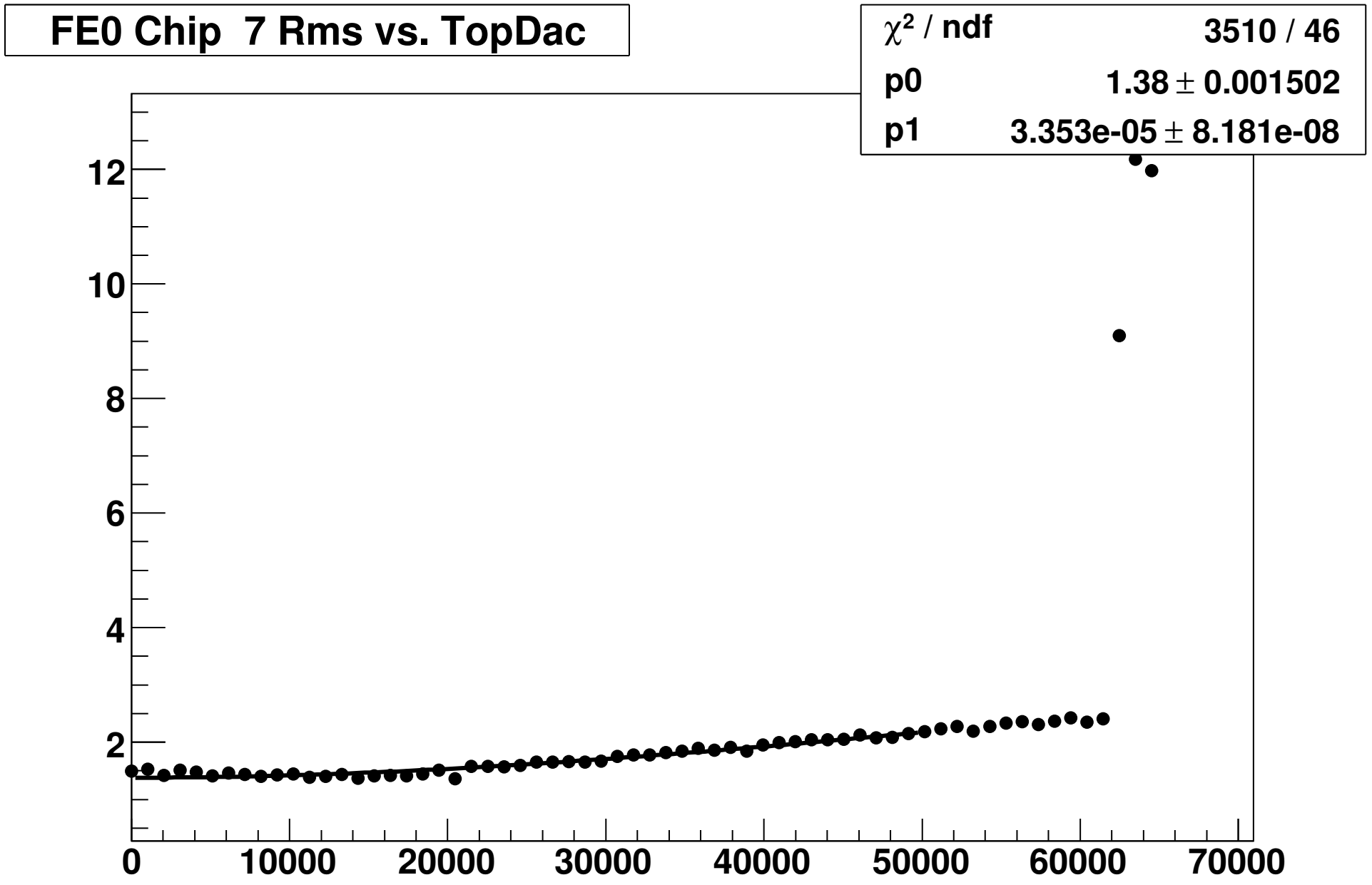

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 2.63e+05 / 46
p0 -30.75 ± 0.00267
p1 0.4514 ± 1.057e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

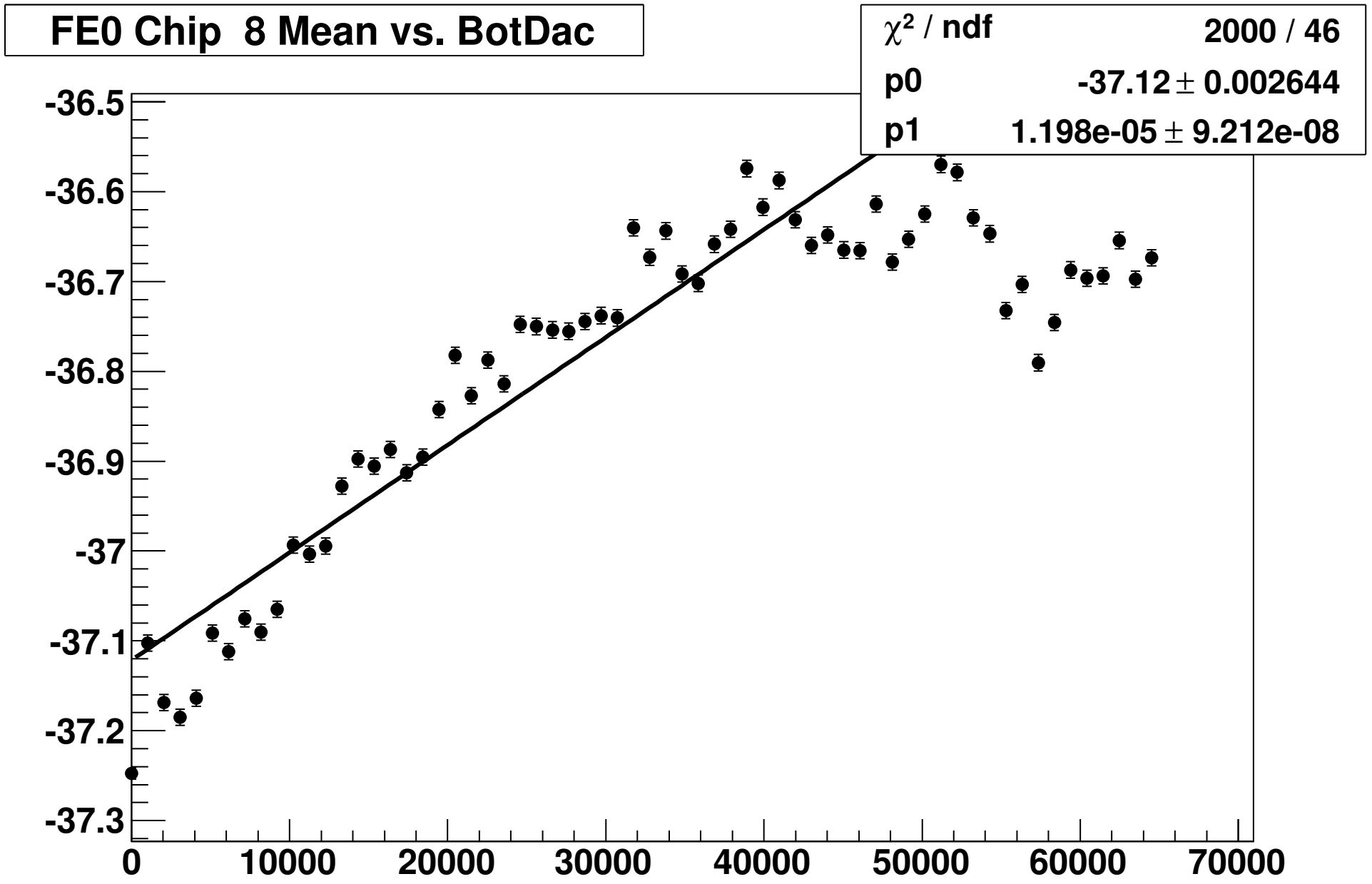

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 2047 / 46
p0 1.367 ± 0.001491
p1 3.367e-05 ± 8.069e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

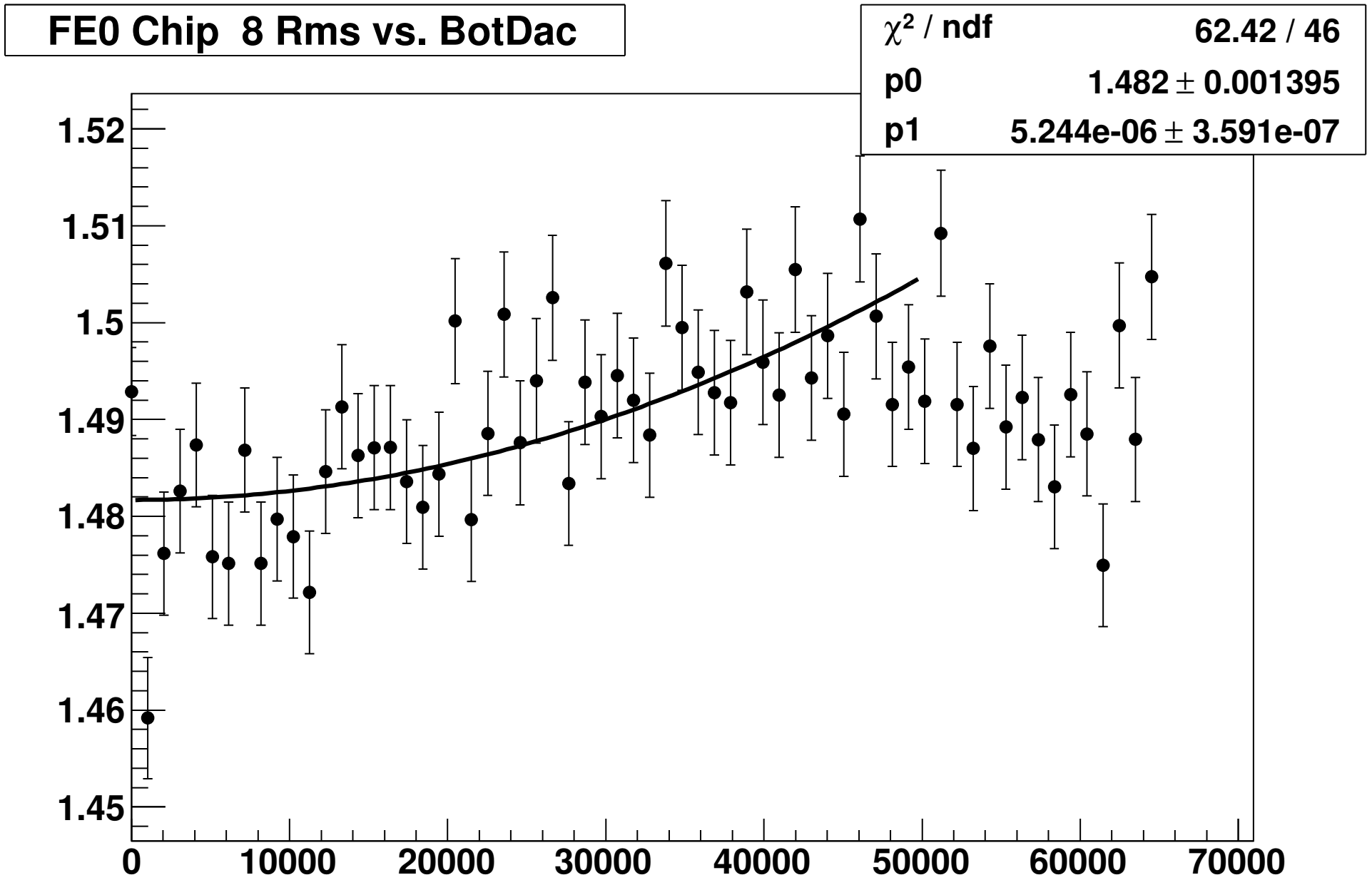

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 1141 / 46
p0 -28.18 ± 0.002667
p1 9.256e-06 ± 9.281e-08
-27.7
-27.8
-27.9
-28
-28.1
-28.2
-28.3
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 38.32 / 46
p0 1.493 ± 0.001405
p1 4.488e-06 ± 4.251e-07
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 3.434e+05 / 46
p0 -28.37 ± 0.002699
p1 0.4513 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 3510 / 46
p0 1.38 ± 0.001502
p1 3.353e-05 ± 8.181e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 2000 / 46
p0 -37.12 ± 0.002644
p1 1.198e-05 ± 9.212e-08
-36.5
-36.6
-36.7
-36.8
-36.9
-37
-37.1
-37.2
-37.3
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 62.42 / 46
p0 1.482 ± 0.001395
p1 5.244e-06 ± 3.591e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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20000
30000
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50000
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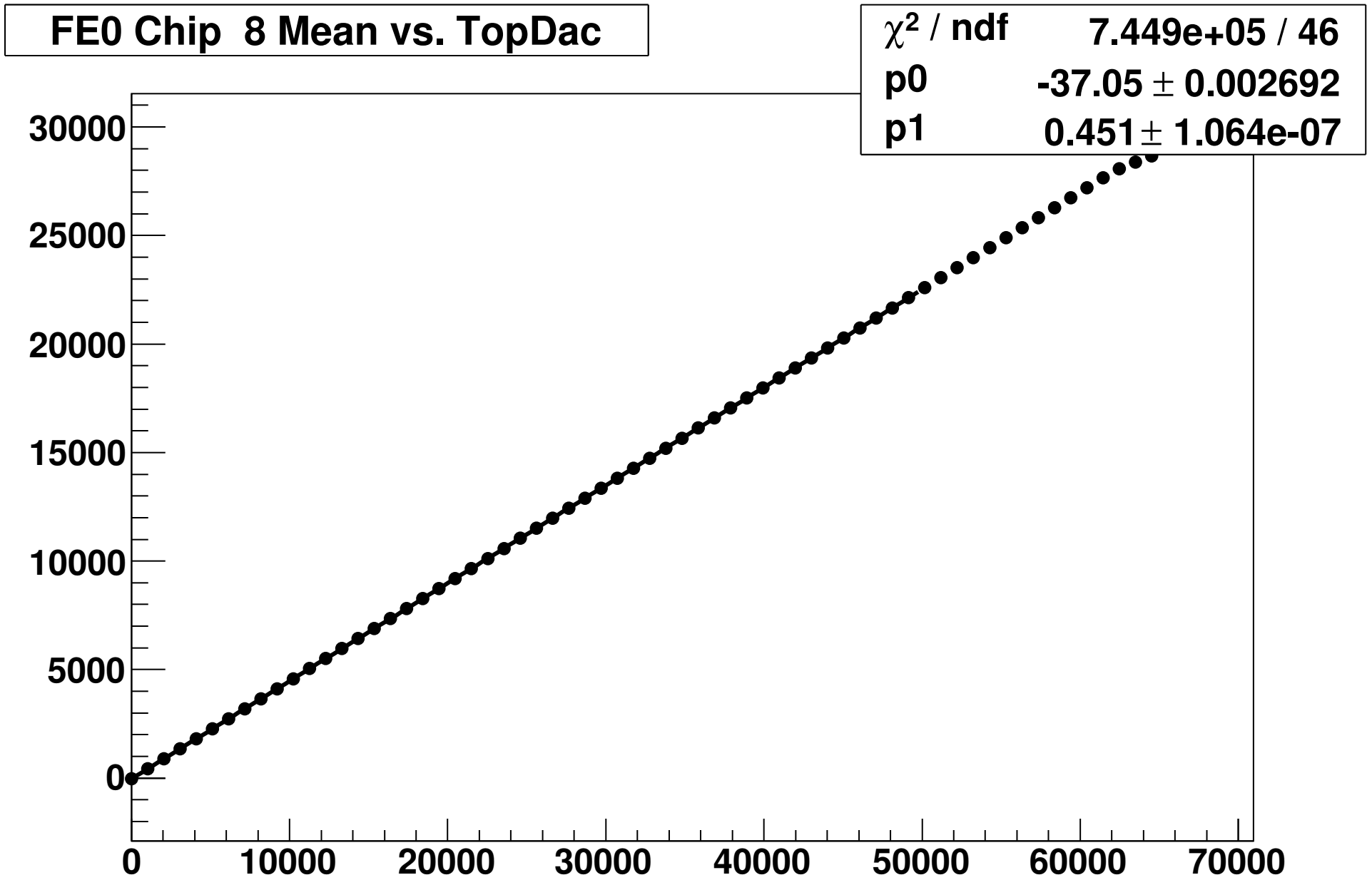
70000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 7.449e+05 / 46
p0 -37.05 ± 0.002692
p1 0.451 ± 1.064e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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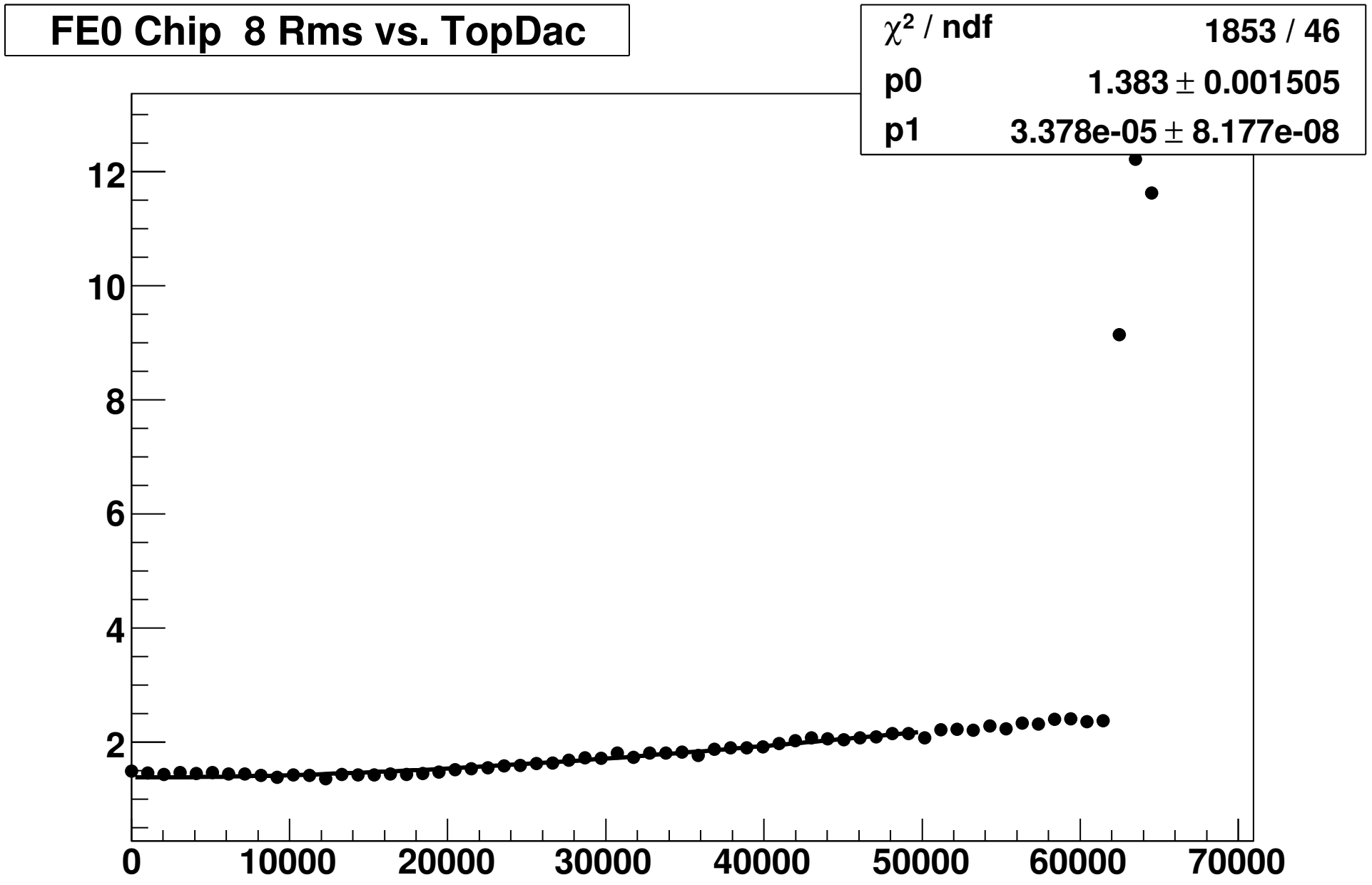
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 1853 / 46
p0 1.383 ± 0.001505
p1 3.378e-05 ± 8.177e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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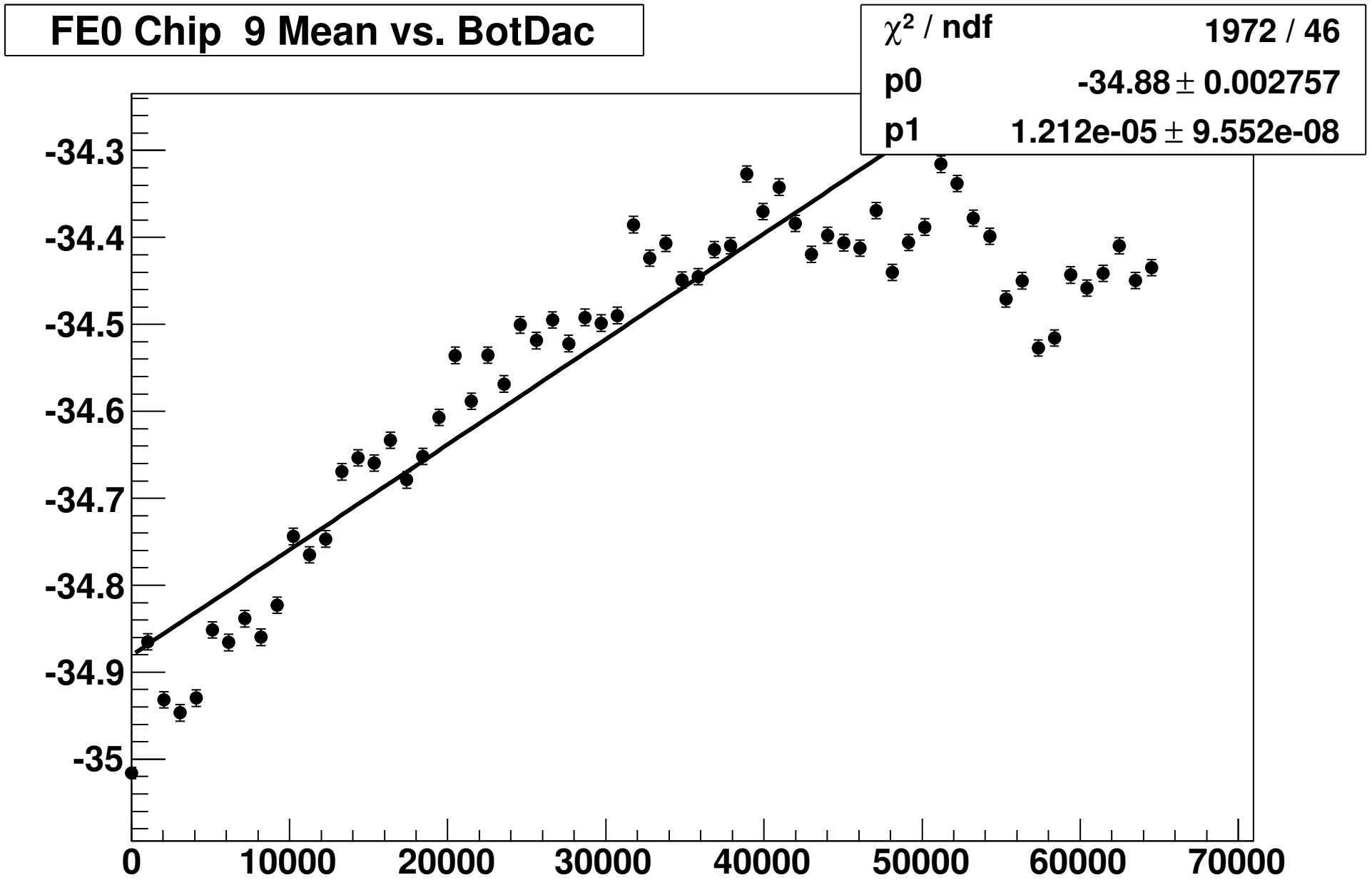
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 1972 / 46
p0 -34.88 ± 0.002757
p1 1.212e-05 ± 9.552e-08
-34.3
-34.4
-34.5
-34.6
-34.7
-34.8
-34.9
-35
0
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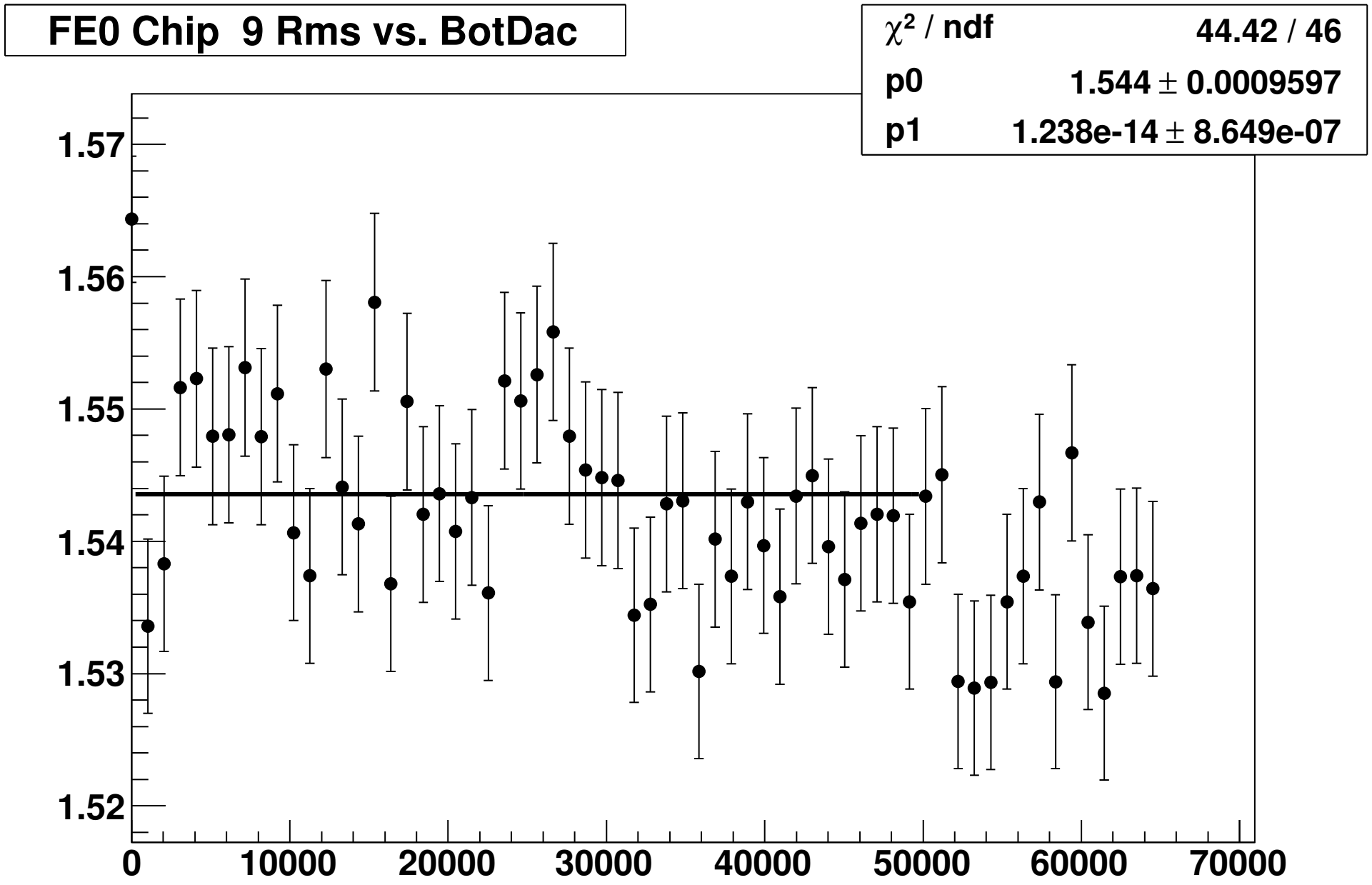
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 44.42 / 46
p0 1.544 ± 0.0009597
p1 1.238e-14 ± 8.649e-07
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
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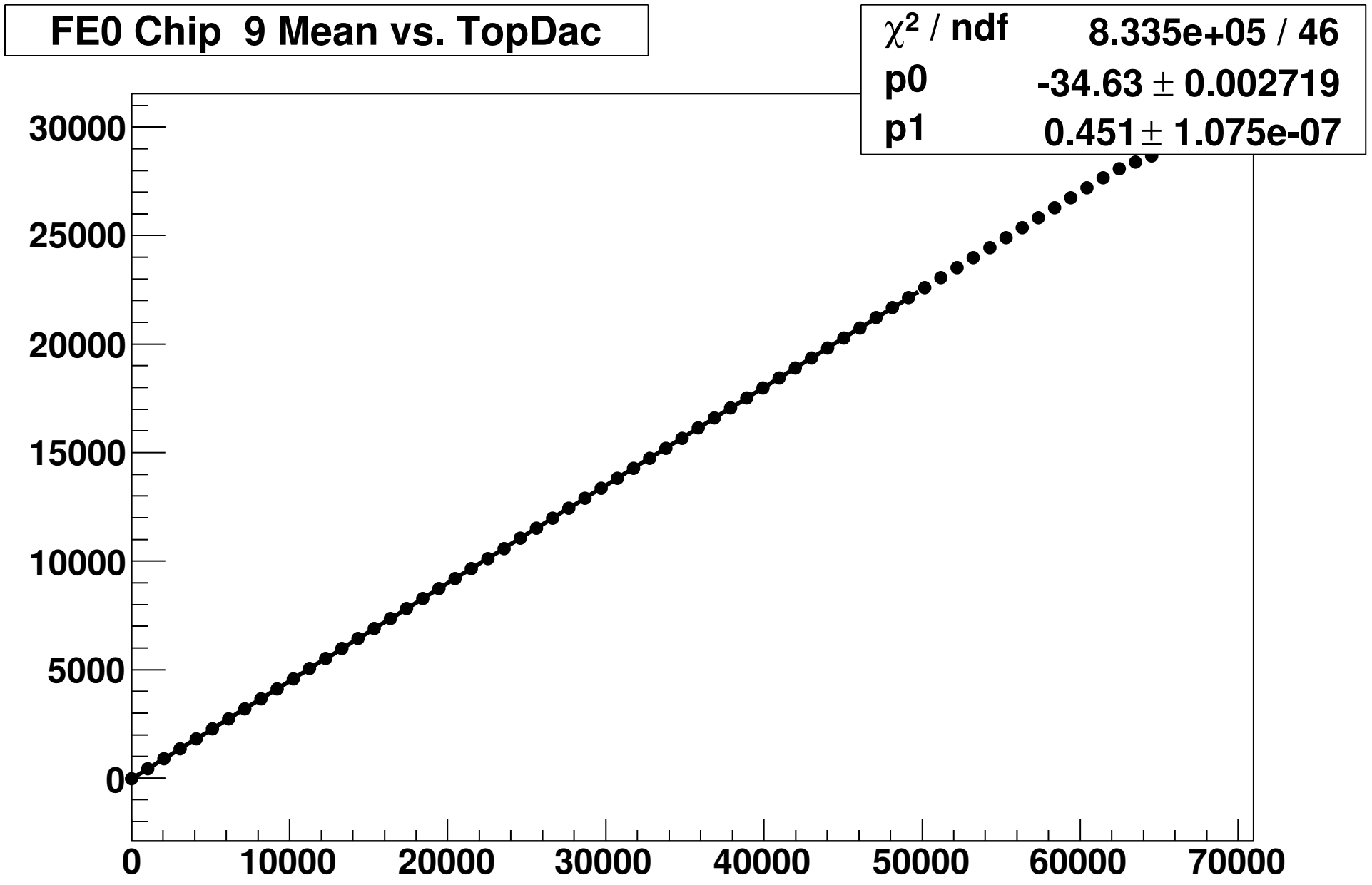
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 8.335e+05 / 46
p0 -34.63 ± 0.002719
p1 0.451 ± 1.075e-07
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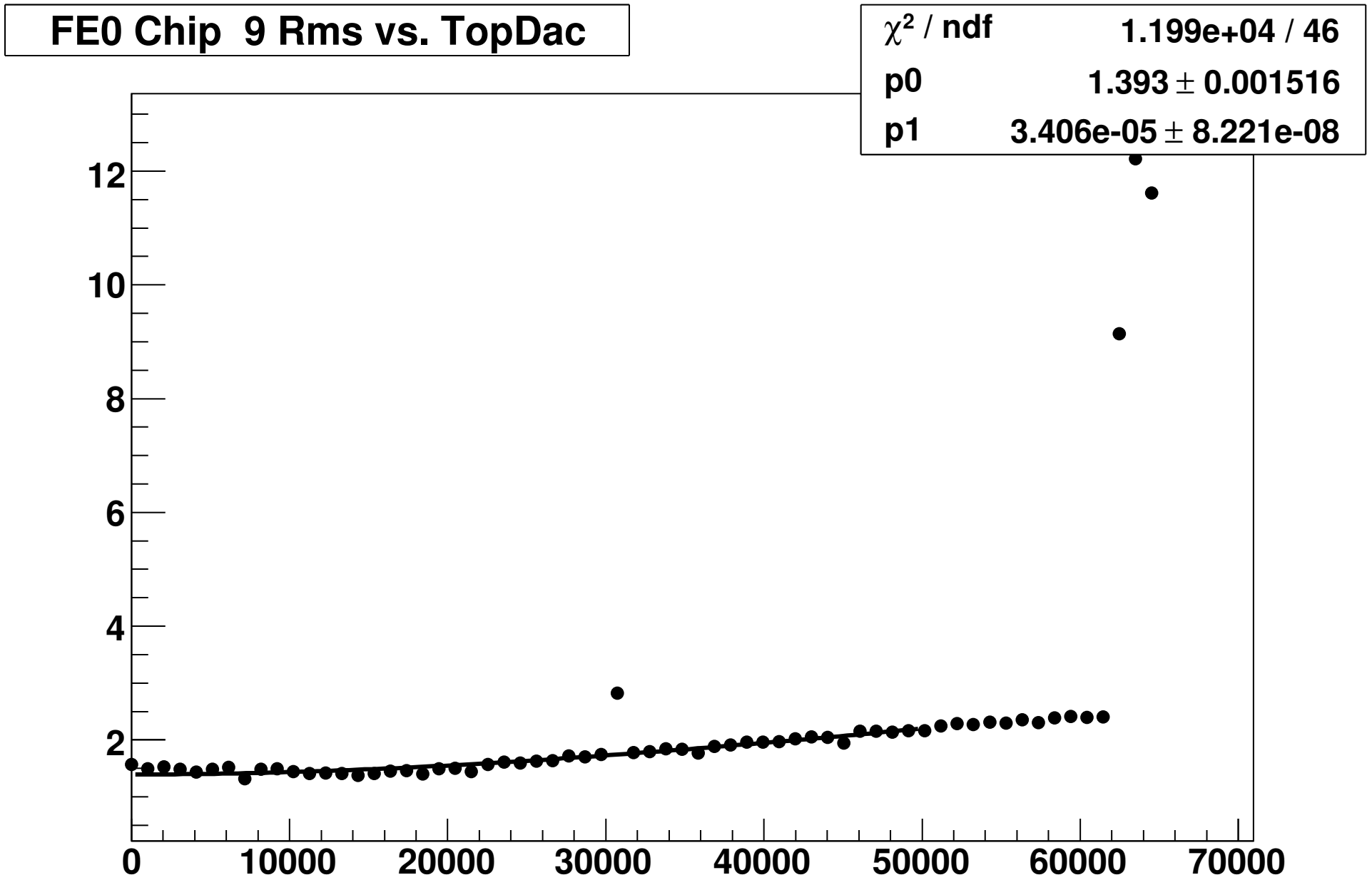
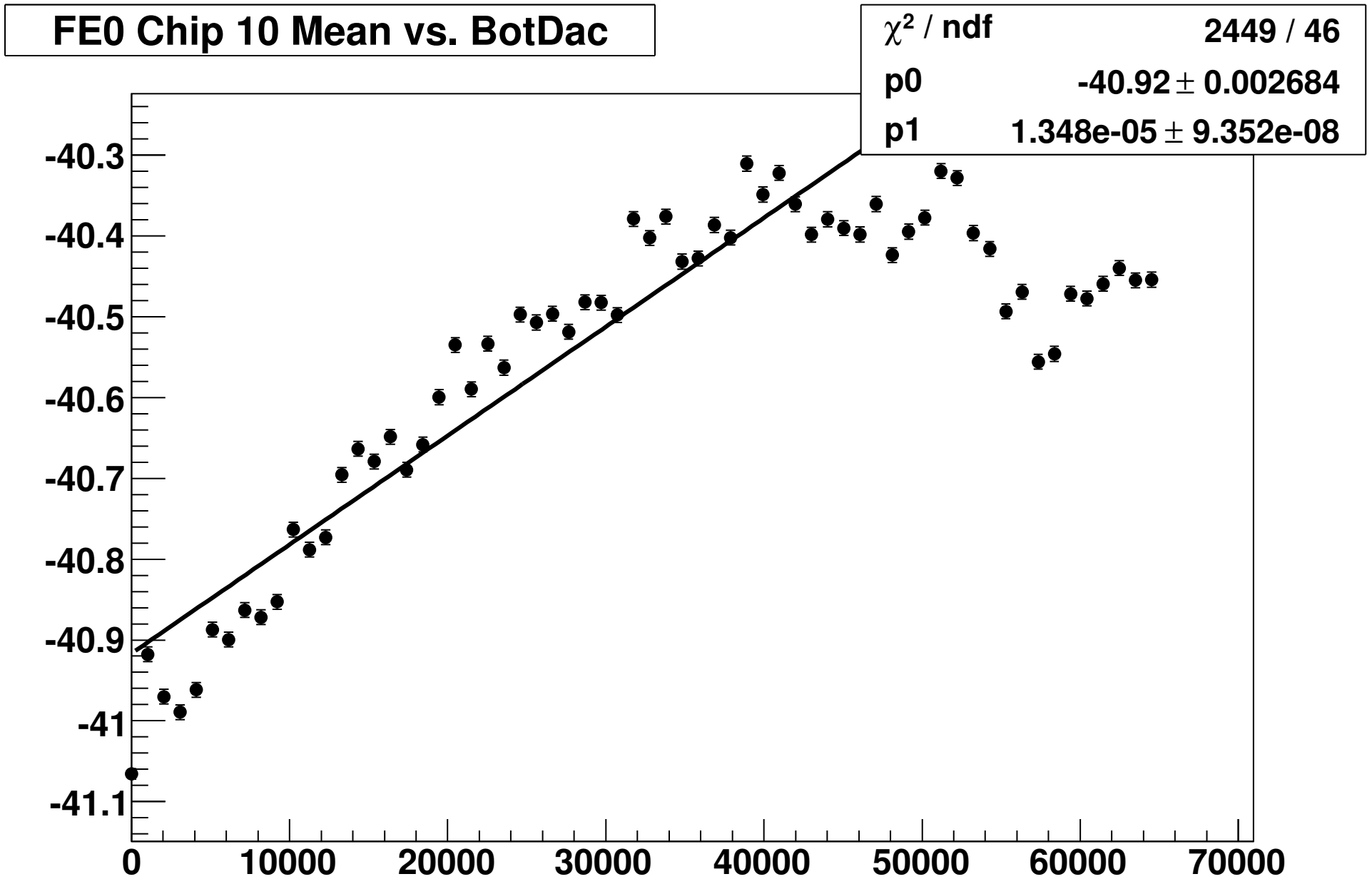
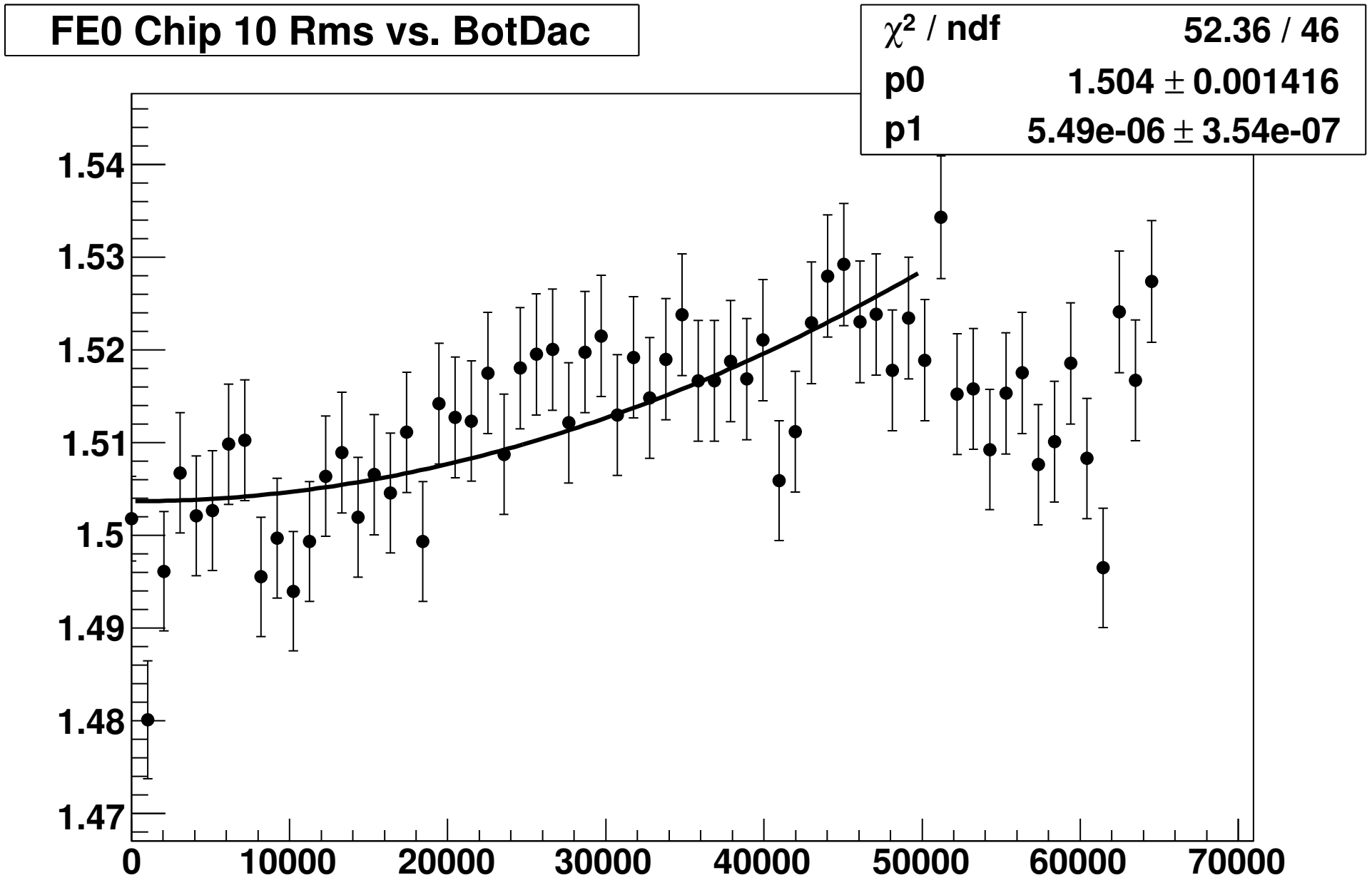
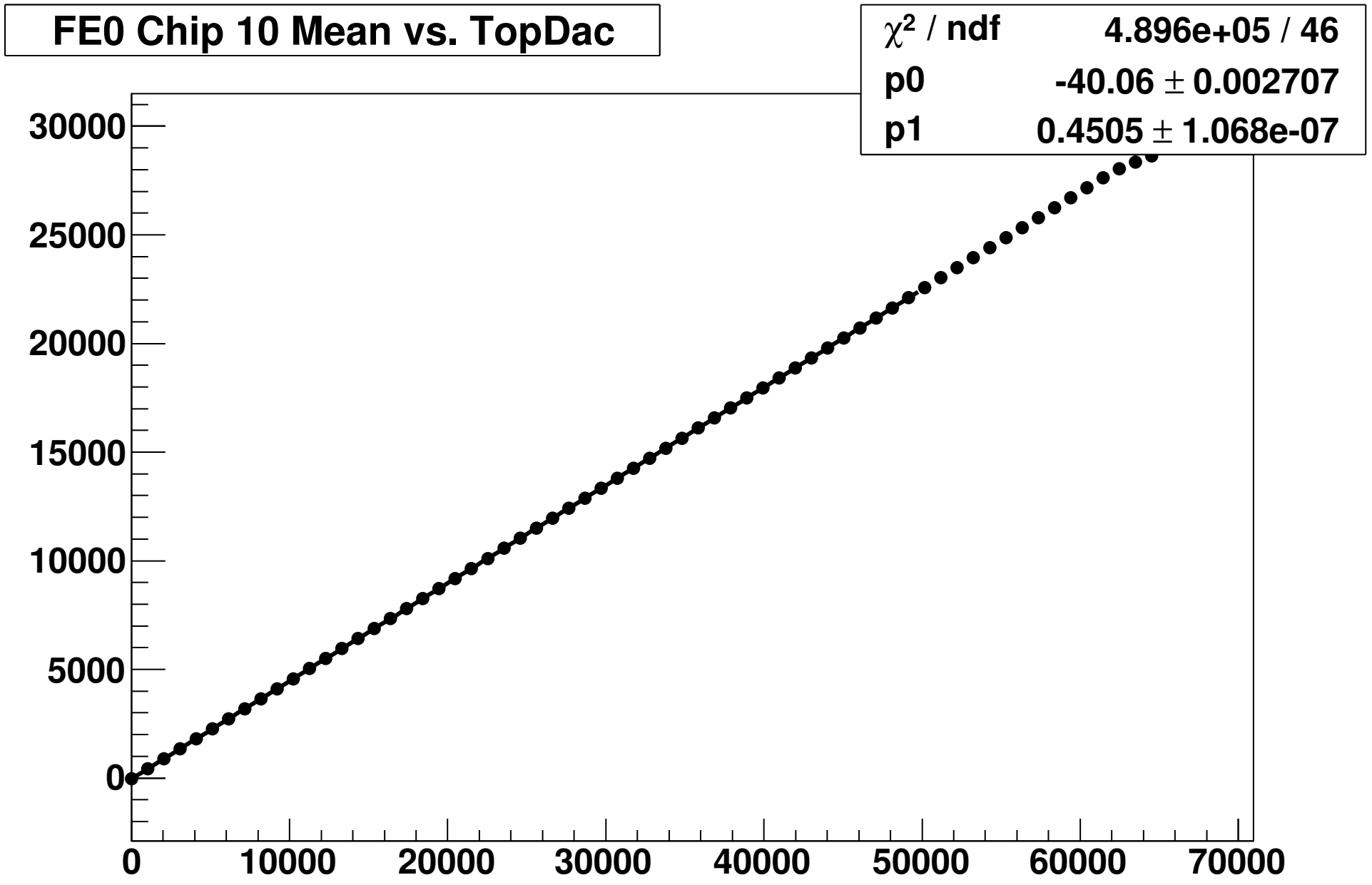
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1.199e+04 / 46
p0 1.393 ± 0.001516
p1 3.406e-05 ± 8.221e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 2449 / 46
p0 -40.92 ± 0.002684
p1 1.348e-05 ± 9.352e-08
-40.3
-40.4
-40.5
-40.6
-40.7
-40.8
-40.9
-41
-41.1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 52.36 / 46
p0 1.504 ± 0.001416
p1 5.49e-06 ± 3.54e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 4.896e+05 / 46
p0 -40.06 ± 0.002707
p1 0.4505 ± 1.068e-07
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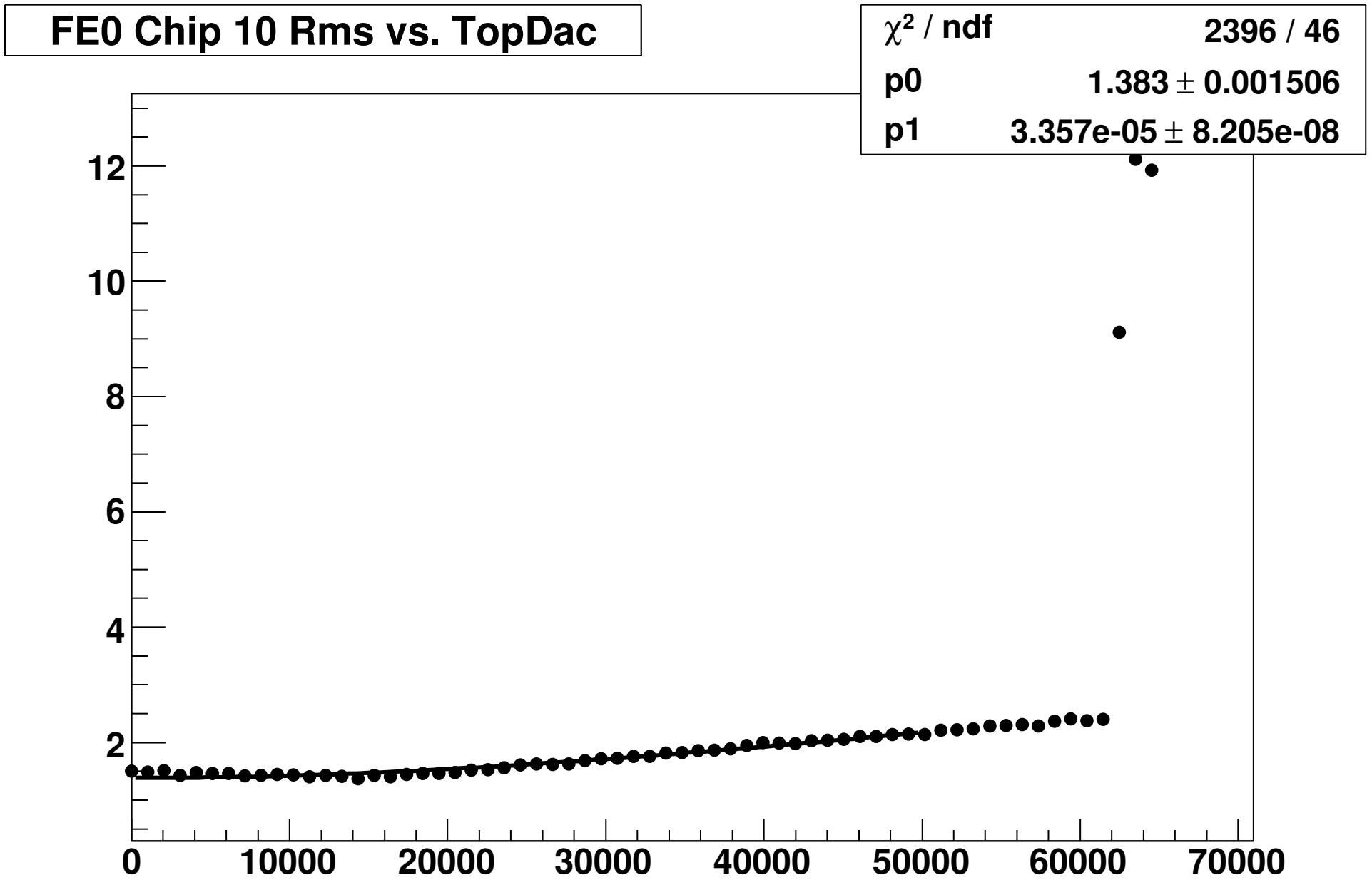
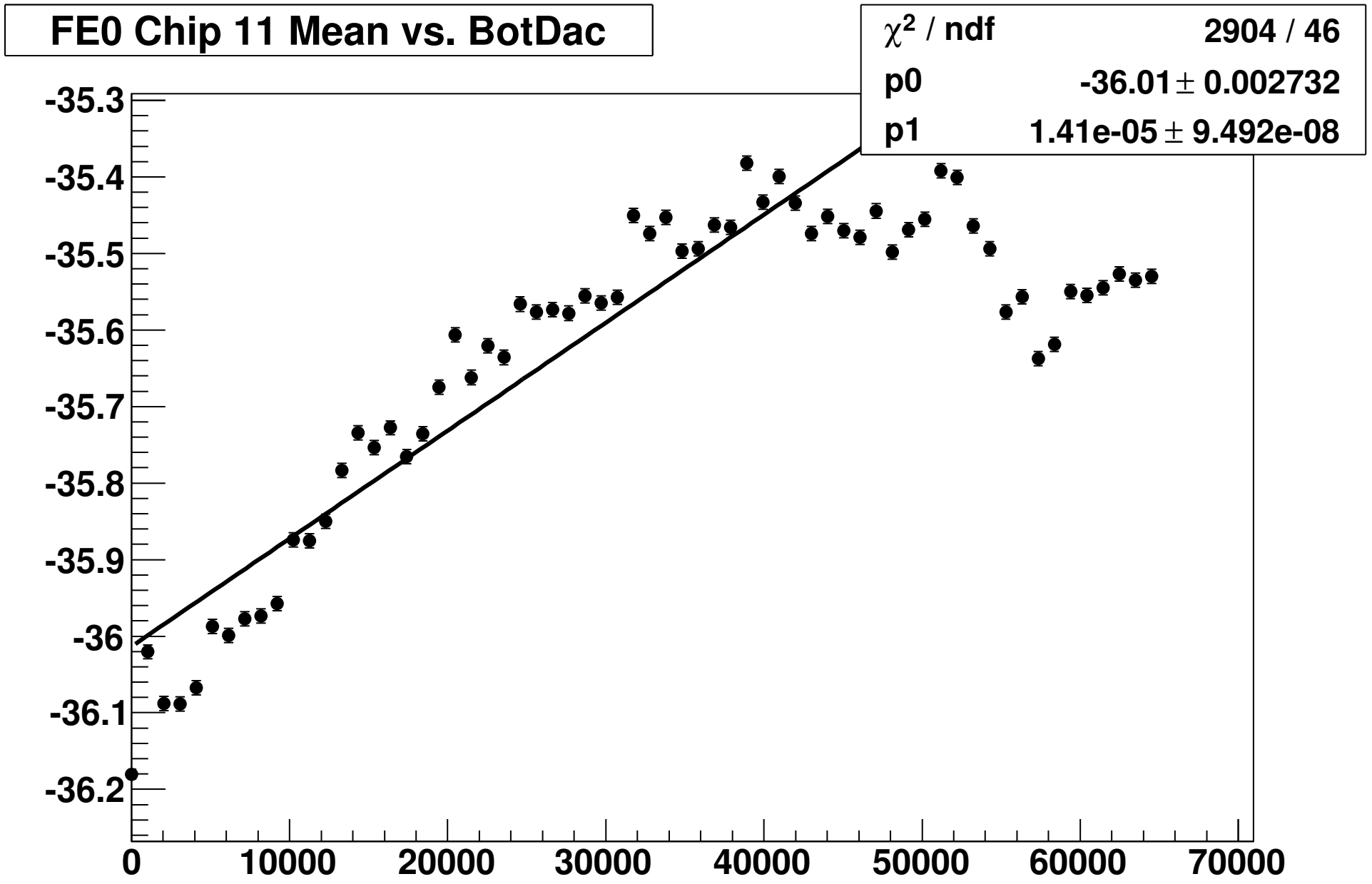
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 2396 / 46
p0 1.383 ± 0.001506
p1 3.357e-05 ± 8.205e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 2904 / 46
p0 -36.01 ± 0.002732
p1 1.41e-05 ± 9.492e-08
-35.3
-35.4
-35.5
-35.6
-35.7
-35.8
-35.9
-36
-36.1
-36.2
0
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20000
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50000
60000
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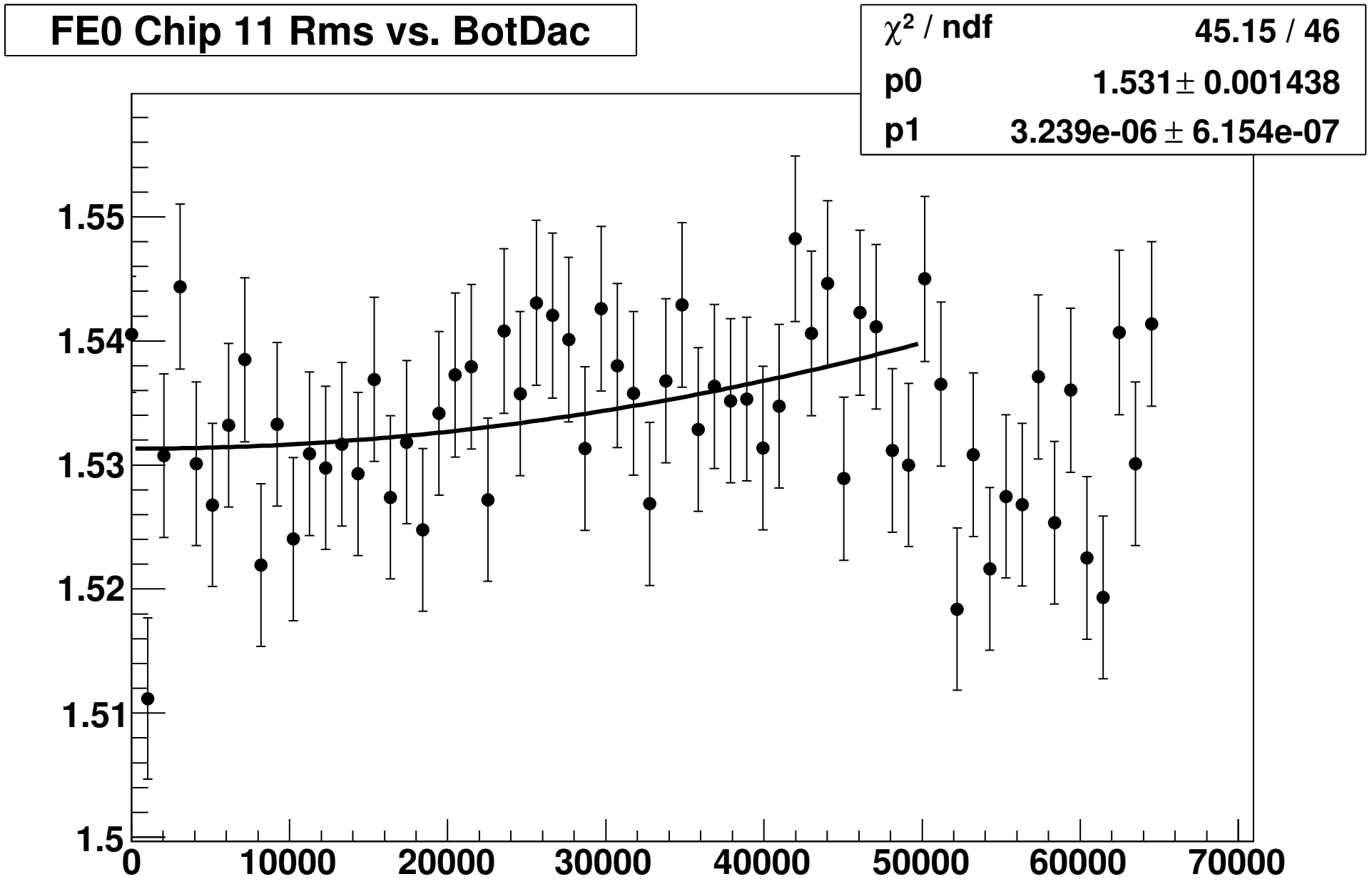
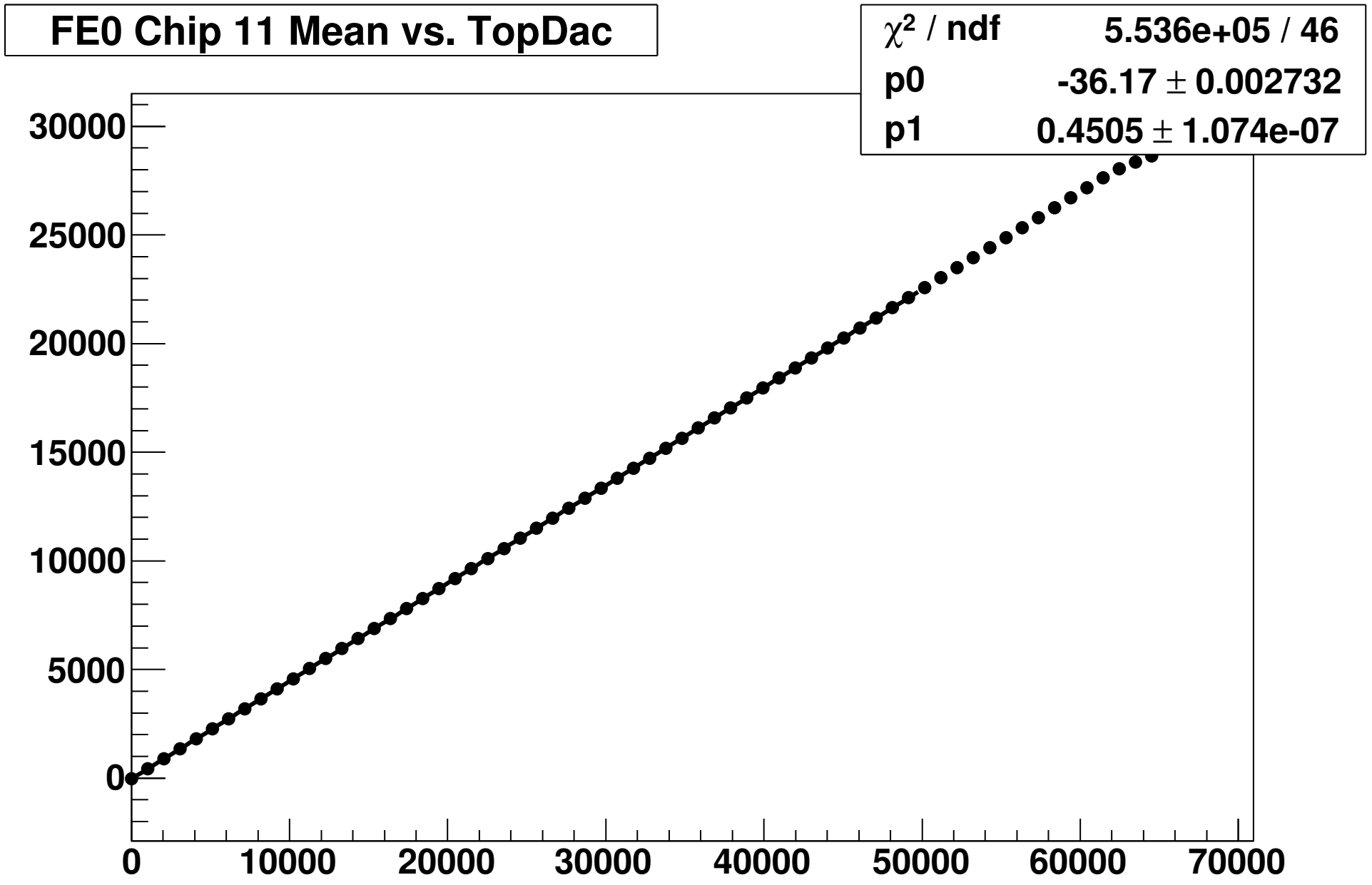
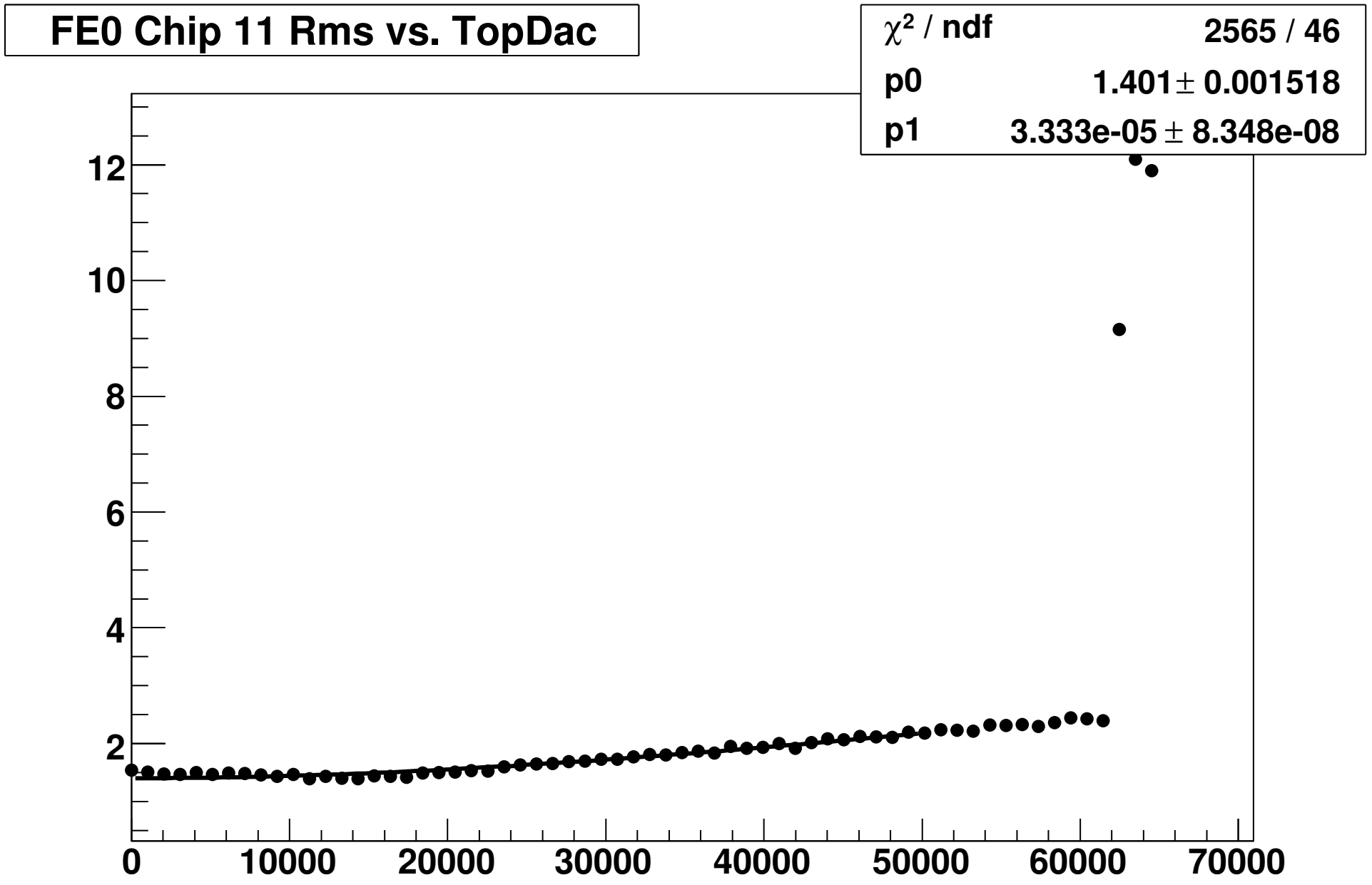
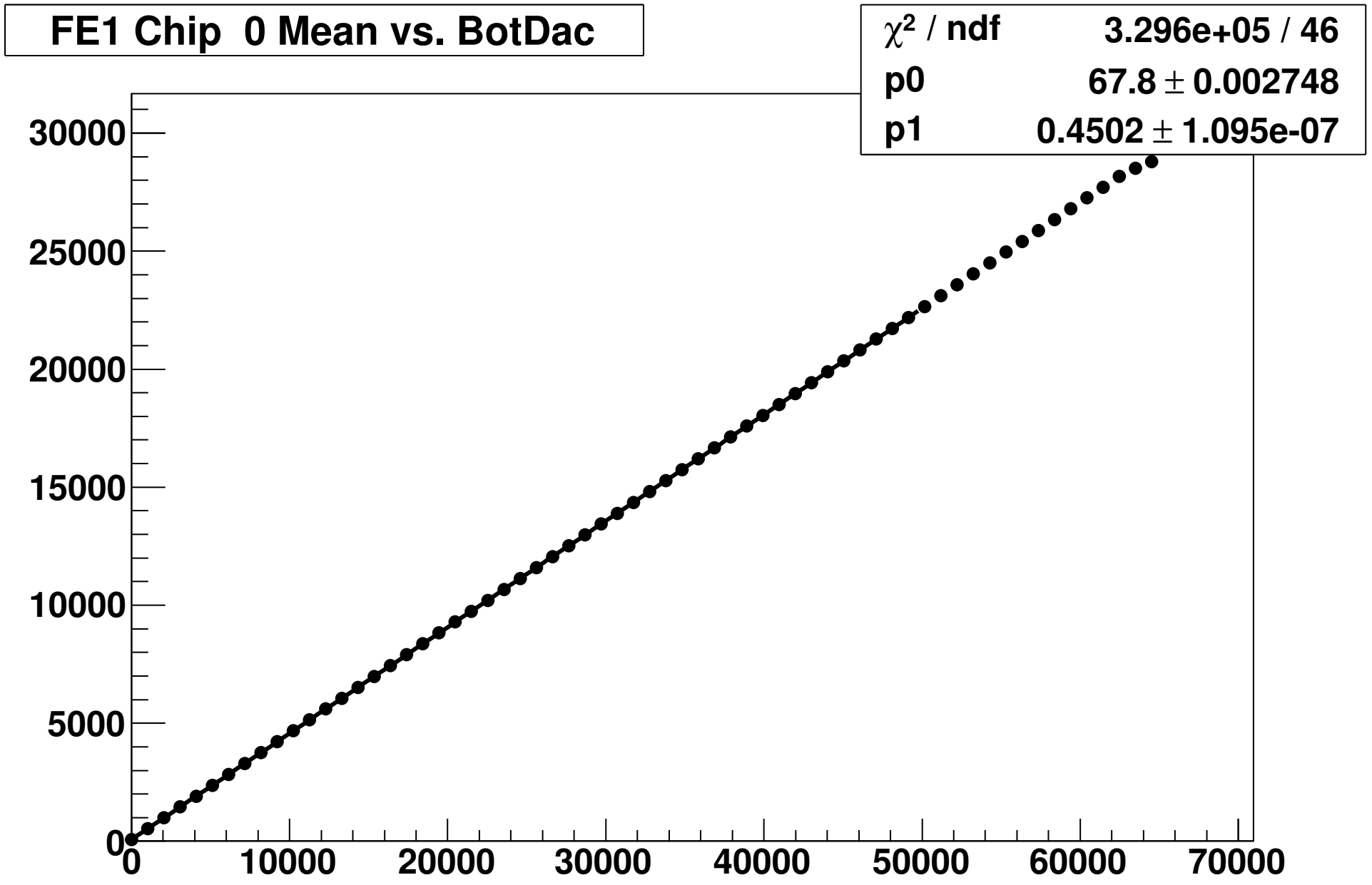

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 45.15 / 46
p0 1.531 ± 0.001438
p1 3.239e-06 ± 6.154e-07
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 5.536e+05 / 46
p0 -36.17 ± 0.002732
p1 0.4505 ± 1.074e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 2565 / 46
p0 1.401 ± 0.001518
p1 3.333e-05 ± 8.348e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 3.296e+05 / 46
p0 67.8 ± 0.002748
p1 0.4502 ± 1.095e-07
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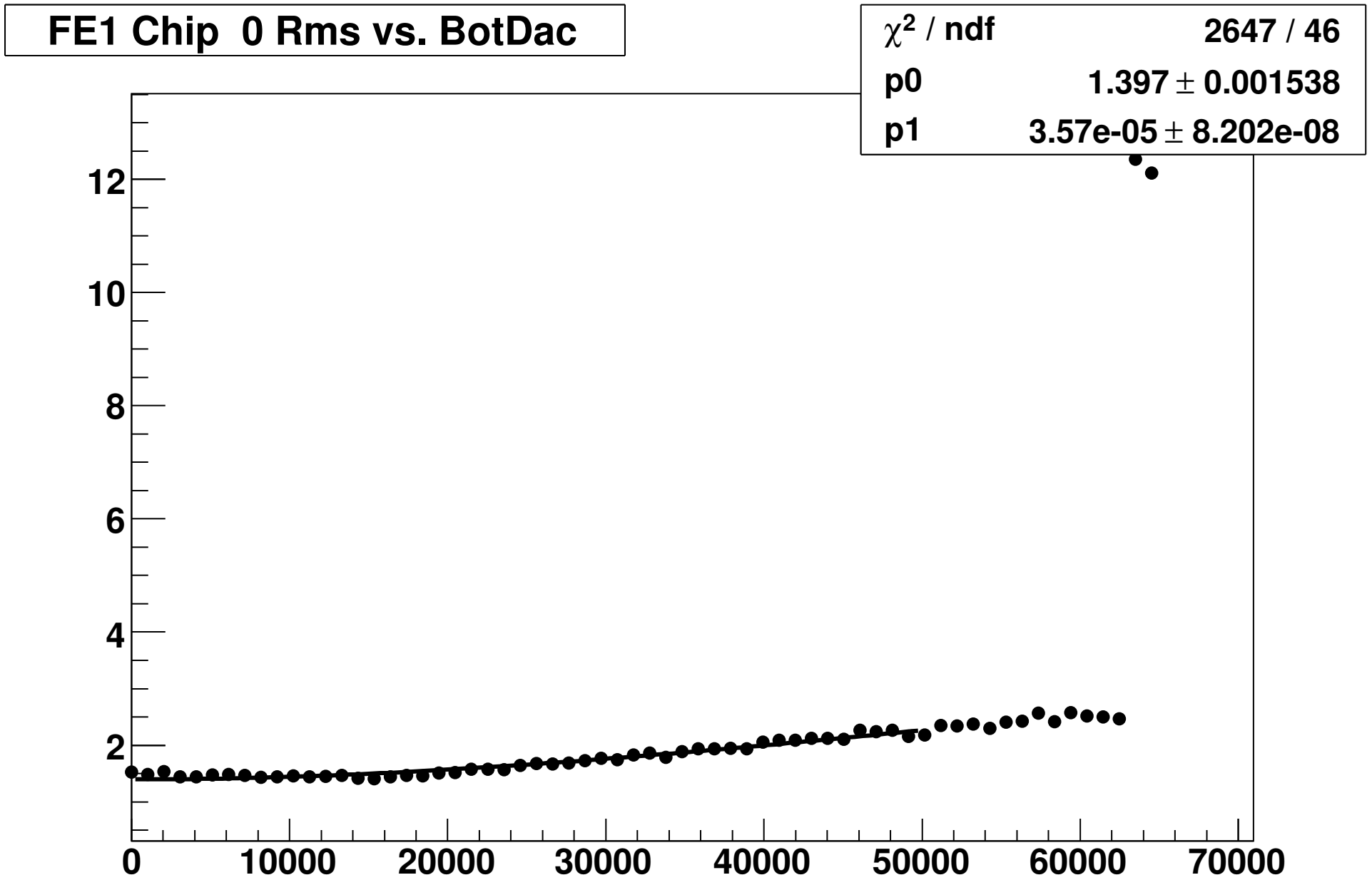
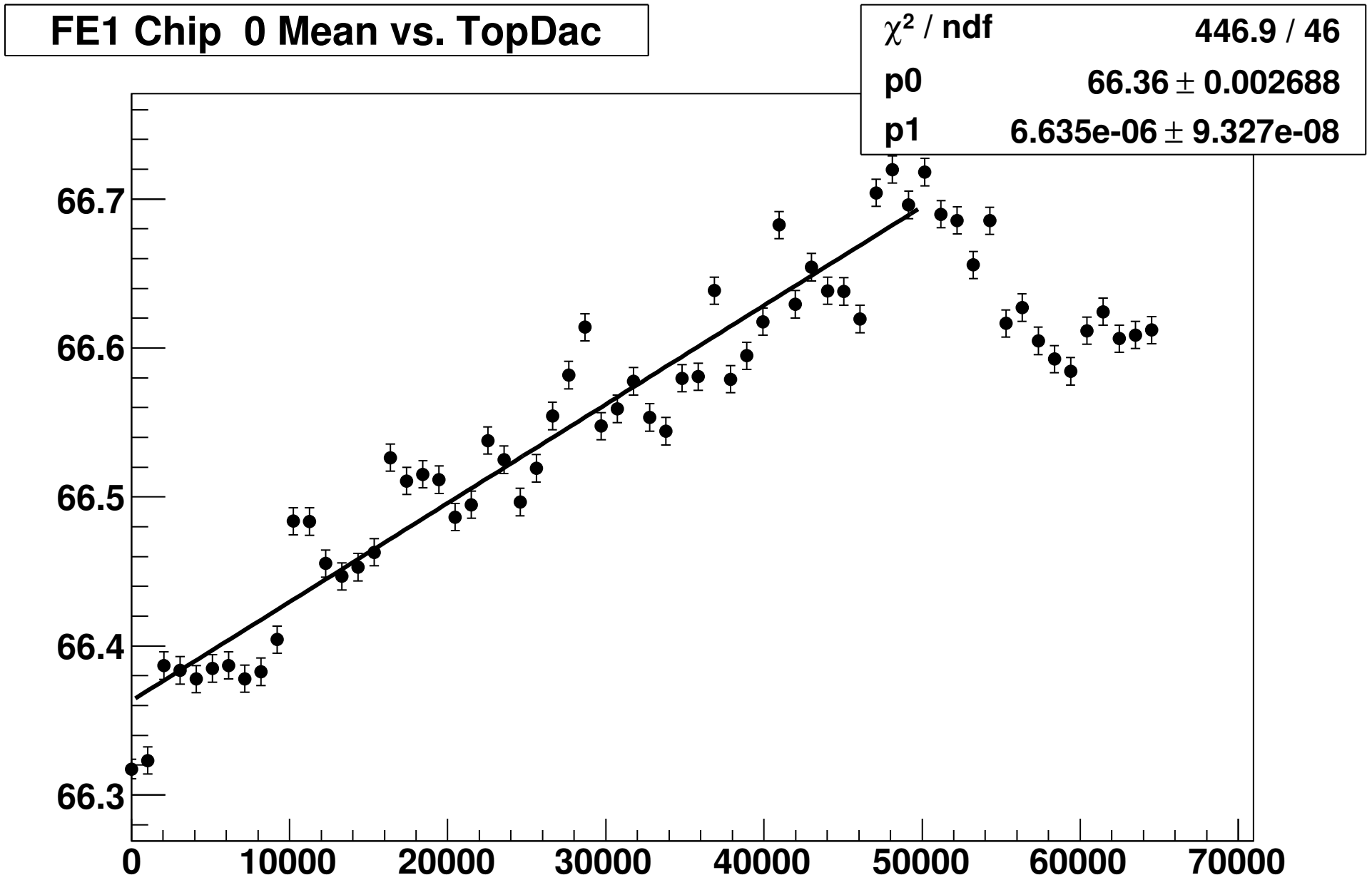
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 2647 / 46
p0 1.397 ± 0.001538
p1 3.57e-05 ± 8.202e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 446.9 / 46
p0 66.36 ± 0.002688
p1 6.635e-06 ± 9.327e-08
66.7
66.6
66.5
66.4
66.3
0
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20000
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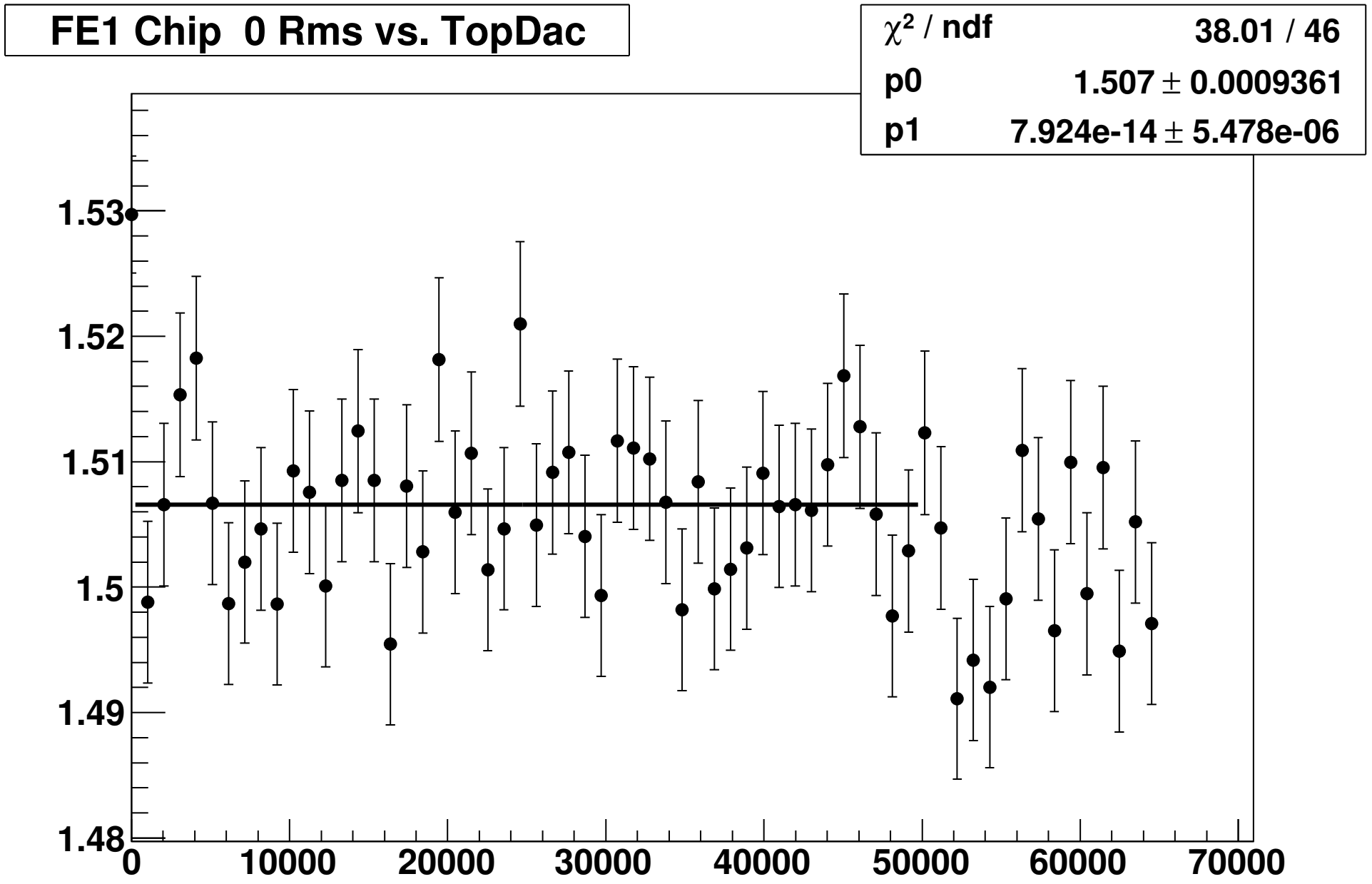
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 38.01 / 46
p0 1.507 ± 0.0009361
p1 7.924e-14 ± 5.478e-06
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
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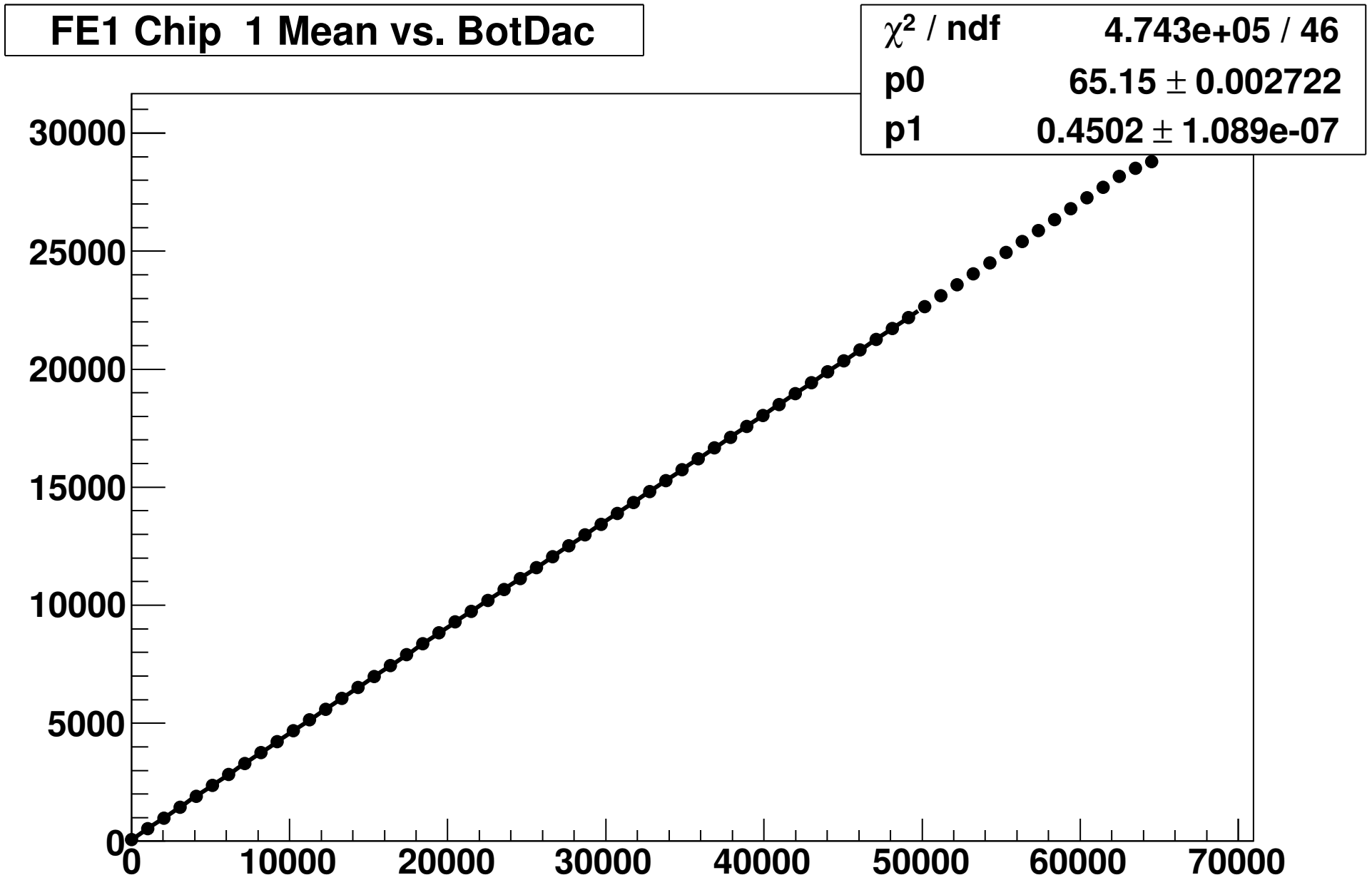
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 4.743e+05 / 46
p0 65.15 ± 0.002722
p1 0.4502 ± 1.089e-07
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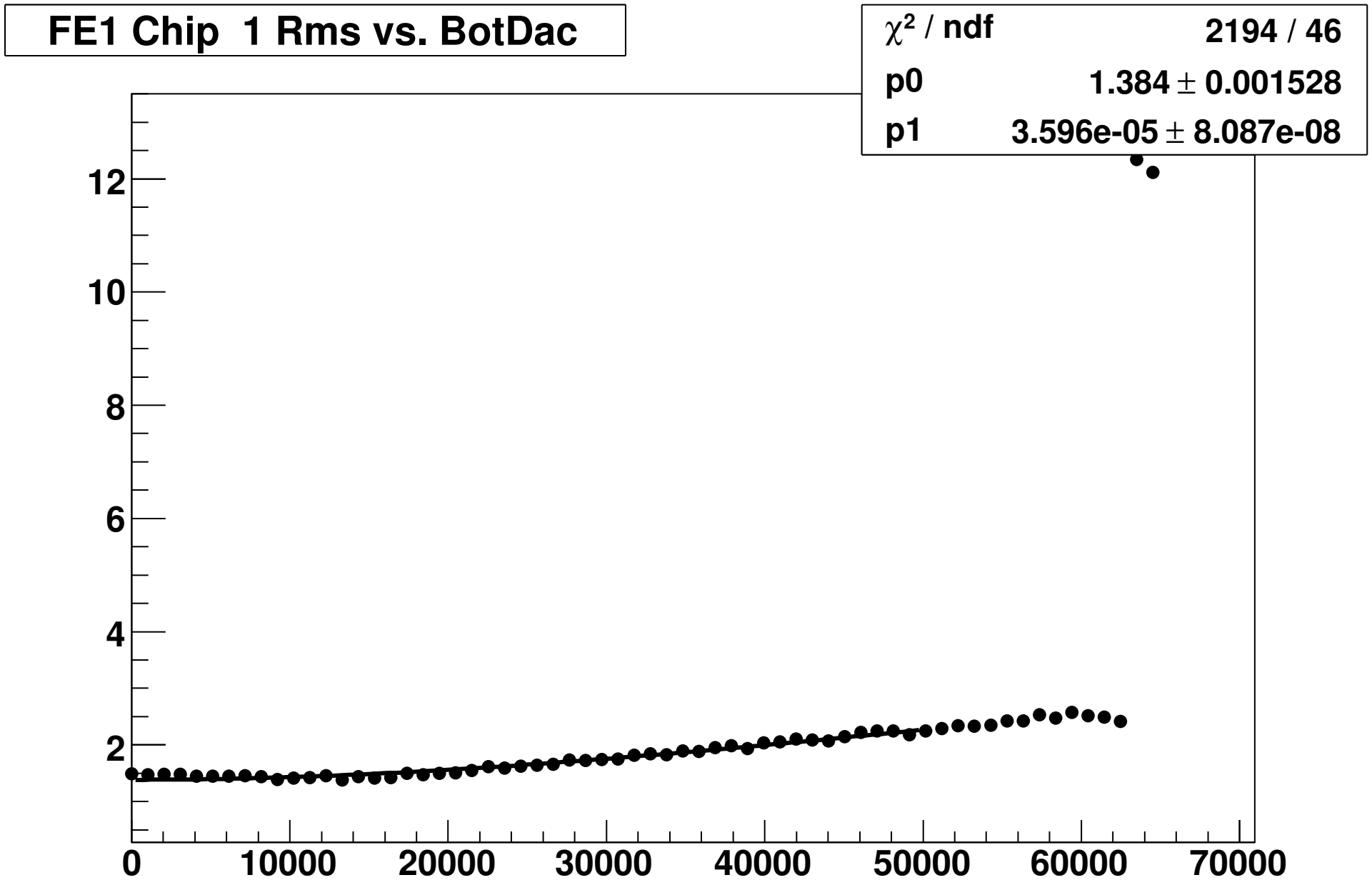
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 2194 / 46
p0 1.384 ± 0.001528
p1 3.596e-05 ± 8.087e-08
12
10
8
6
4
2
0
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20000
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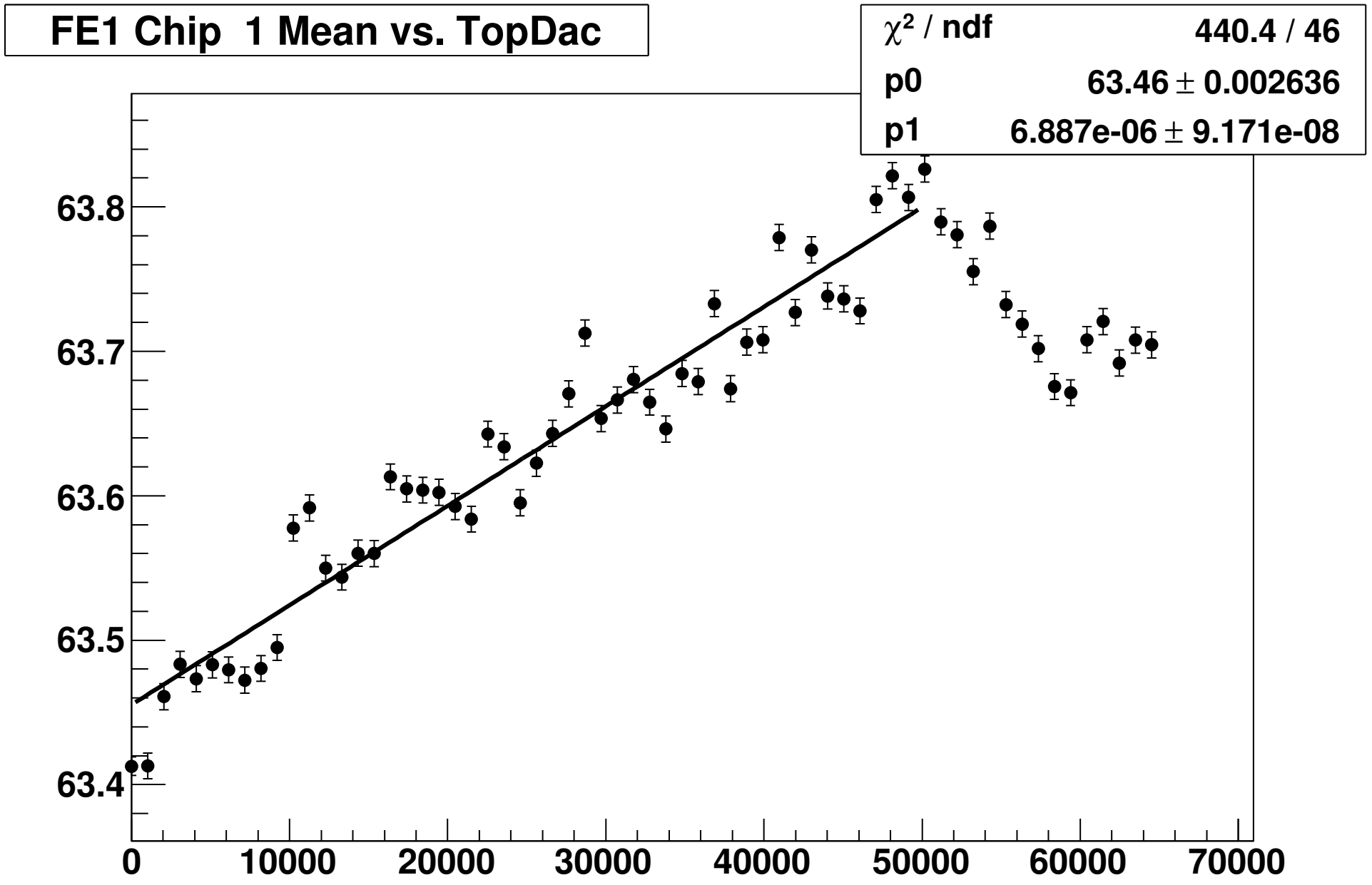
FE1 Chip 1 Mean vs. TopDac
χ² / ndf 440.4 / 46
p0 63.46 ± 0.002636
p1 6.887e-06 ± 9.171e-08
63.8
63.7
63.6
63.5
63.4
0
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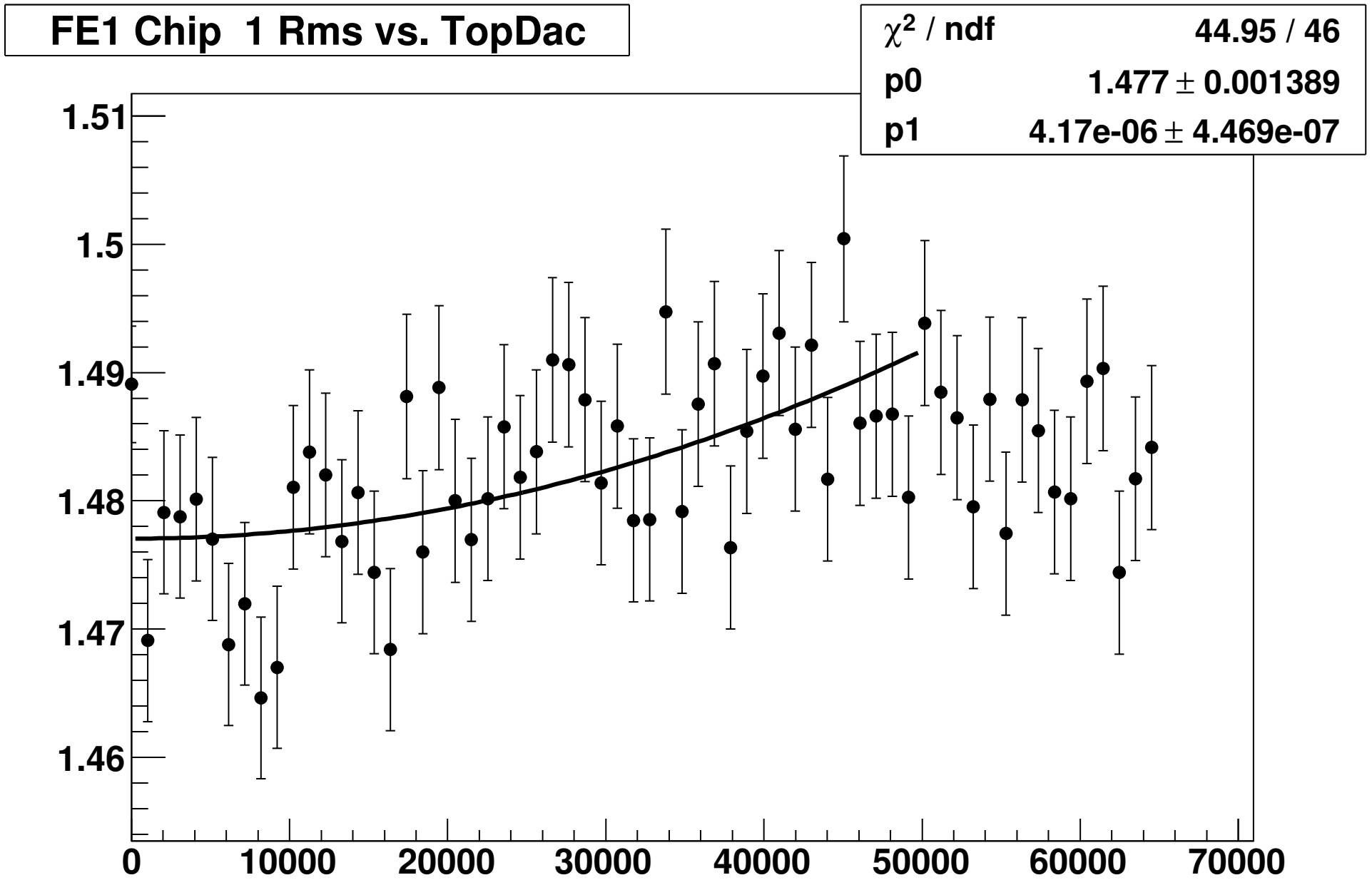
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 44.95 / 46
p0 1.477 ± 0.001389
p1 4.17e-06 ± 4.469e-07
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
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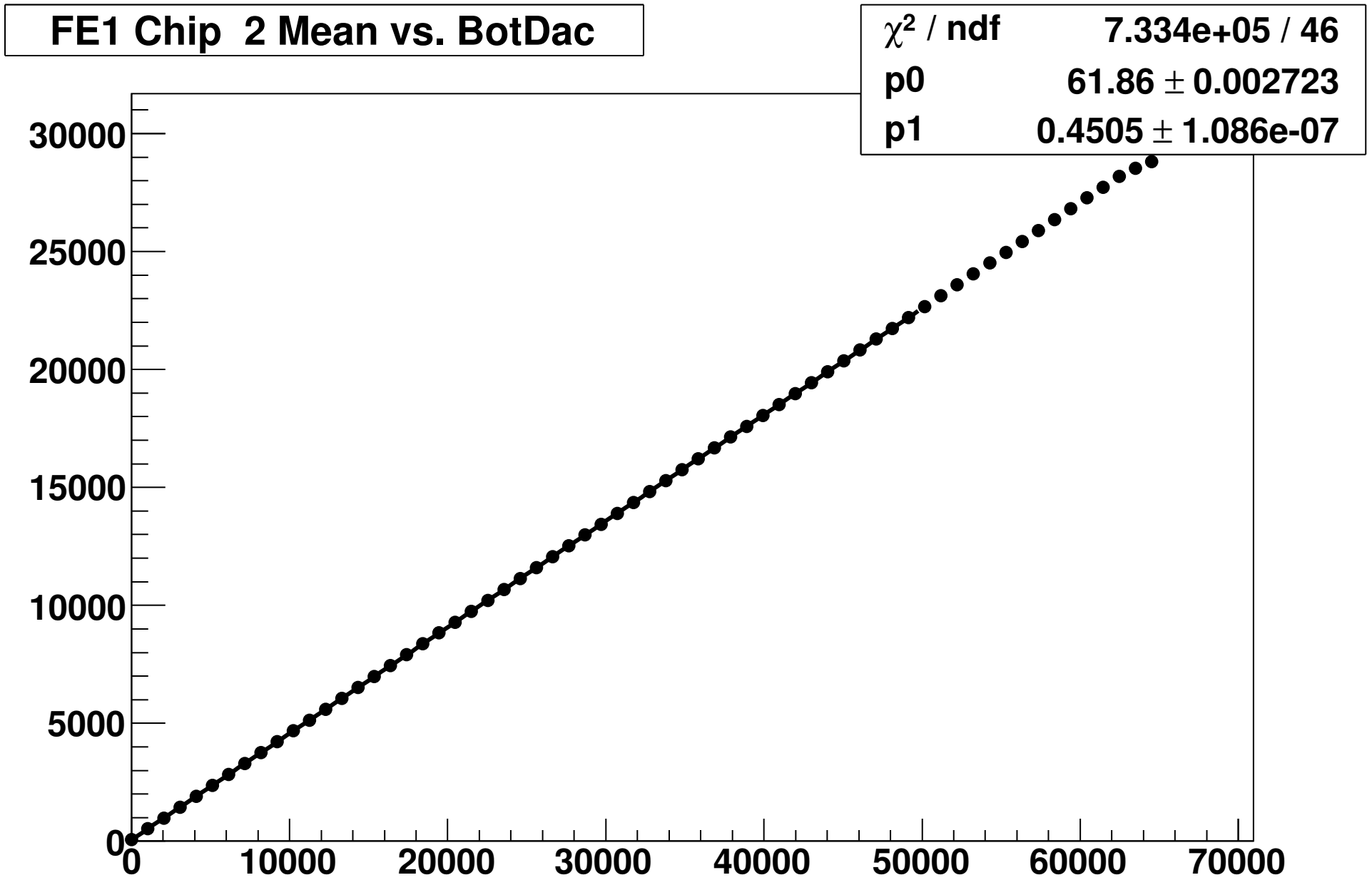
50000
60000
70000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 7.334e+05 / 46
p0 61.86 ± 0.002723
p1 0.4505 ± 1.086e-07
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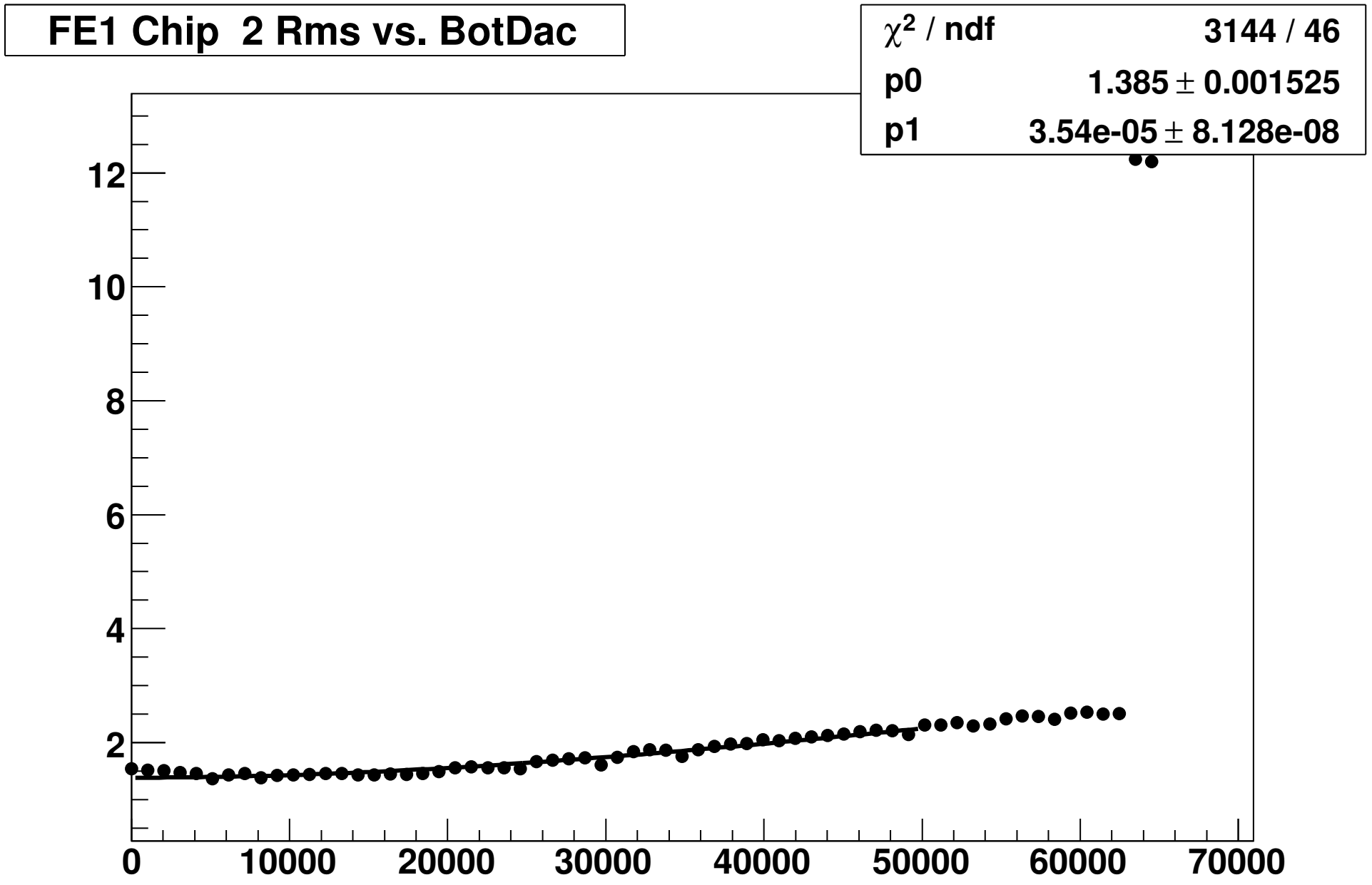
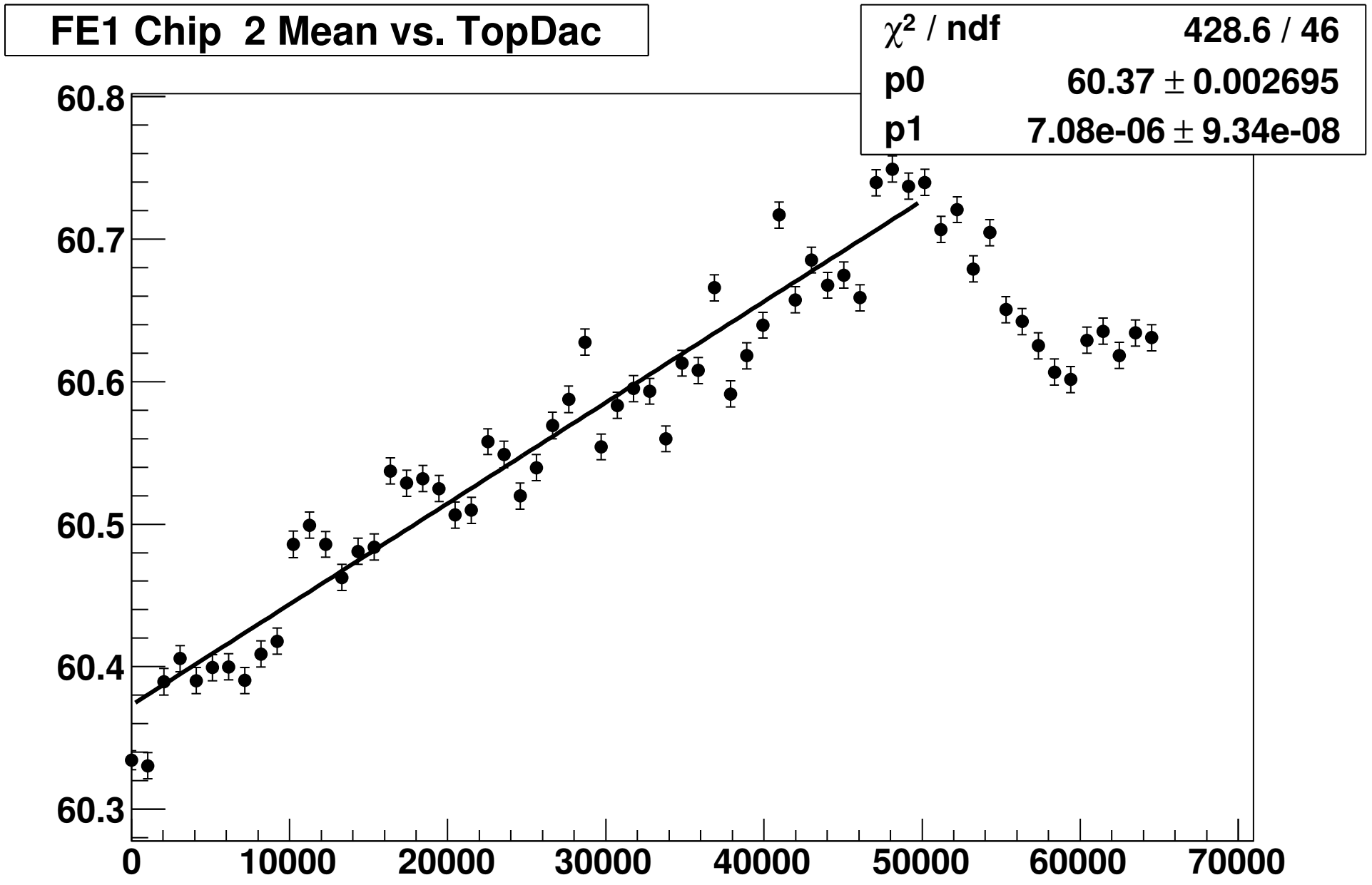
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 3144 / 46
p0 1.385 ± 0.001525
p1 3.54e-05 ± 8.128e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 428.6 / 46
p0 60.37 ± 0.002695
p1 7.08e-06 ± 9.34e-08
60.8
60.7
60.6
60.5
60.4
60.3
0
10000
20000
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40000
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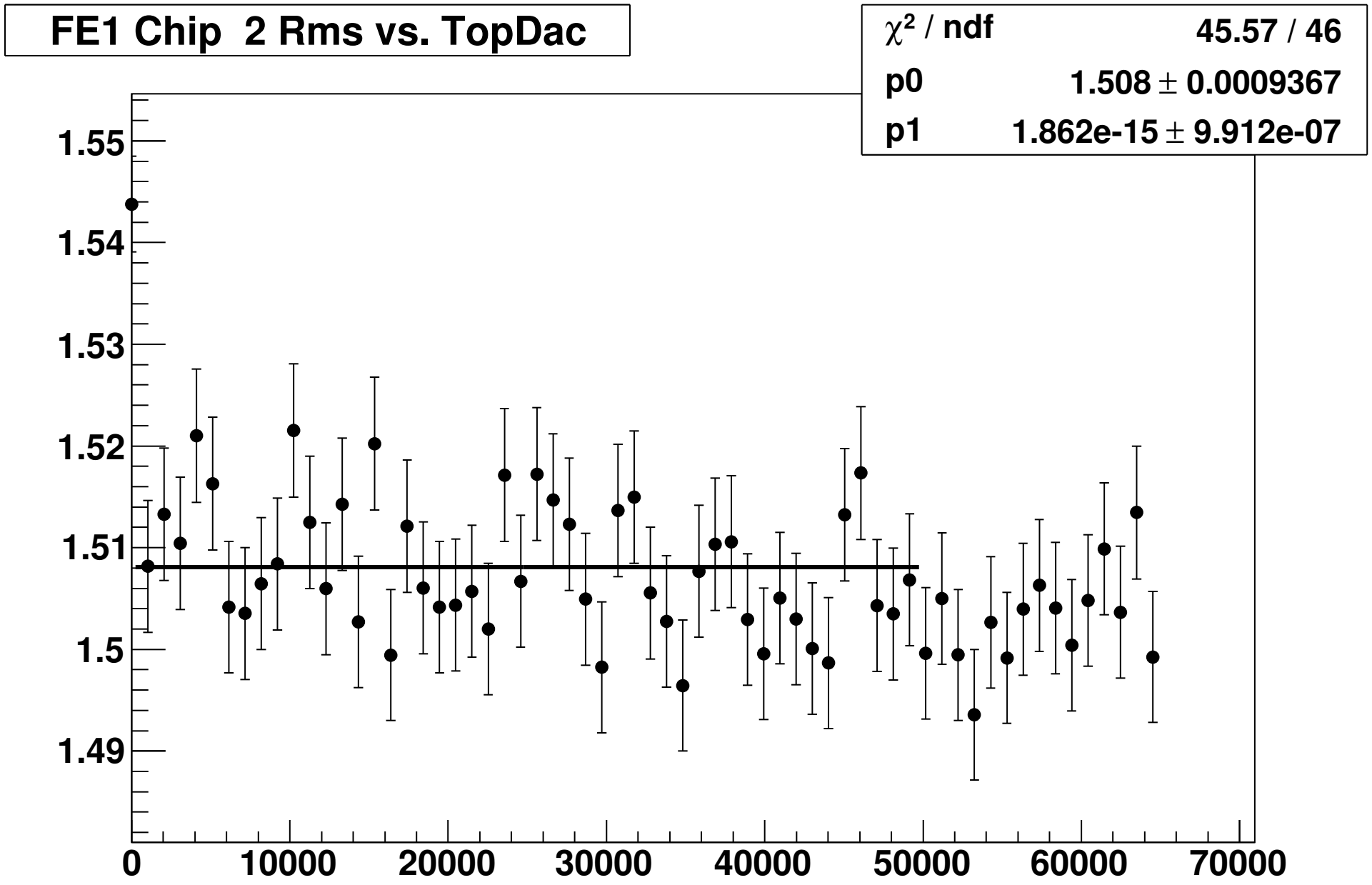
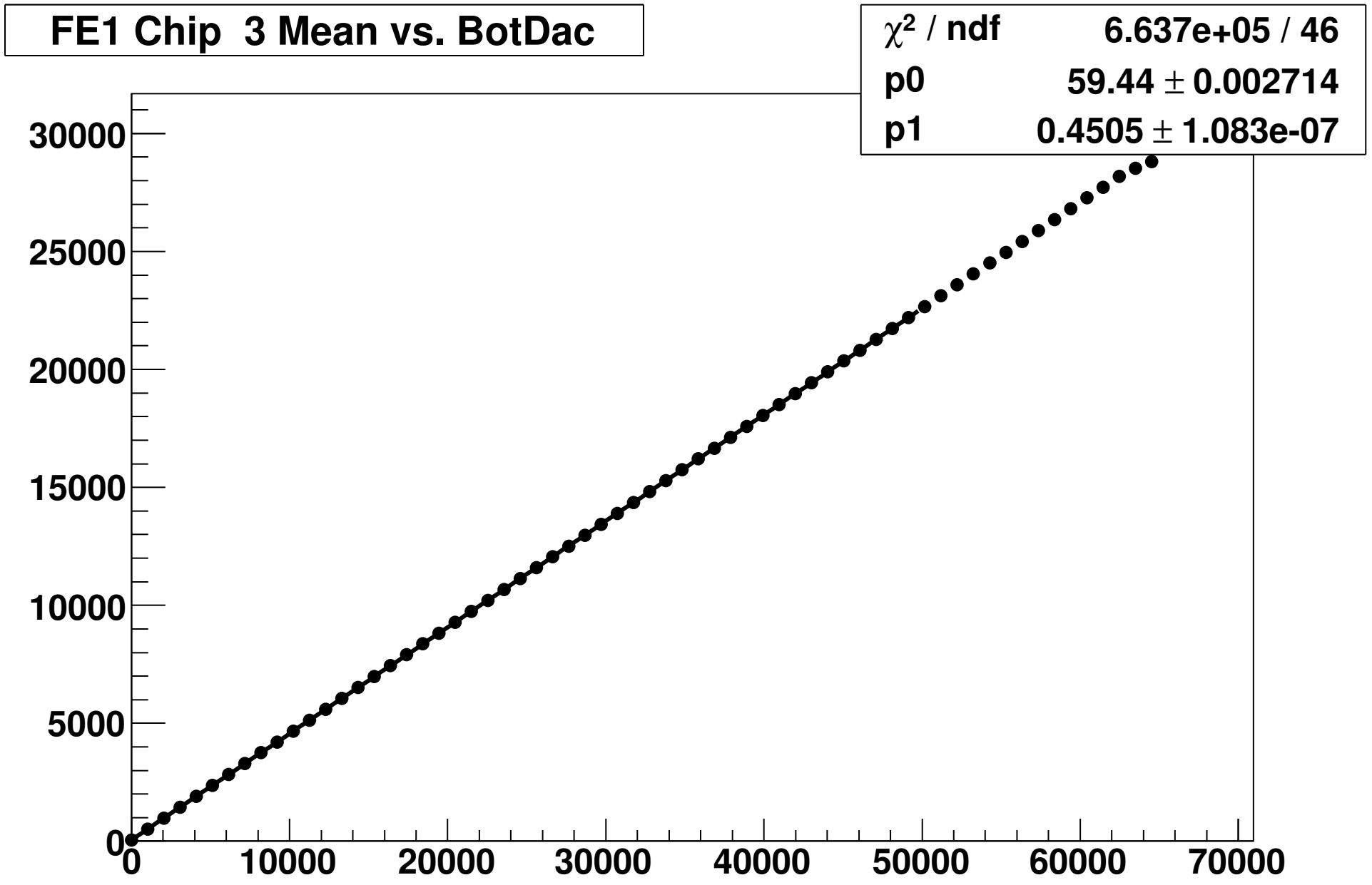
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 45.57 / 46
p0 1.508 ± 0.0009367
p1 1.862e-15 ± 9.912e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 6.637e+05 / 46
p0 59.44 ± 0.002714
p1 0.4505 ± 1.083e-07
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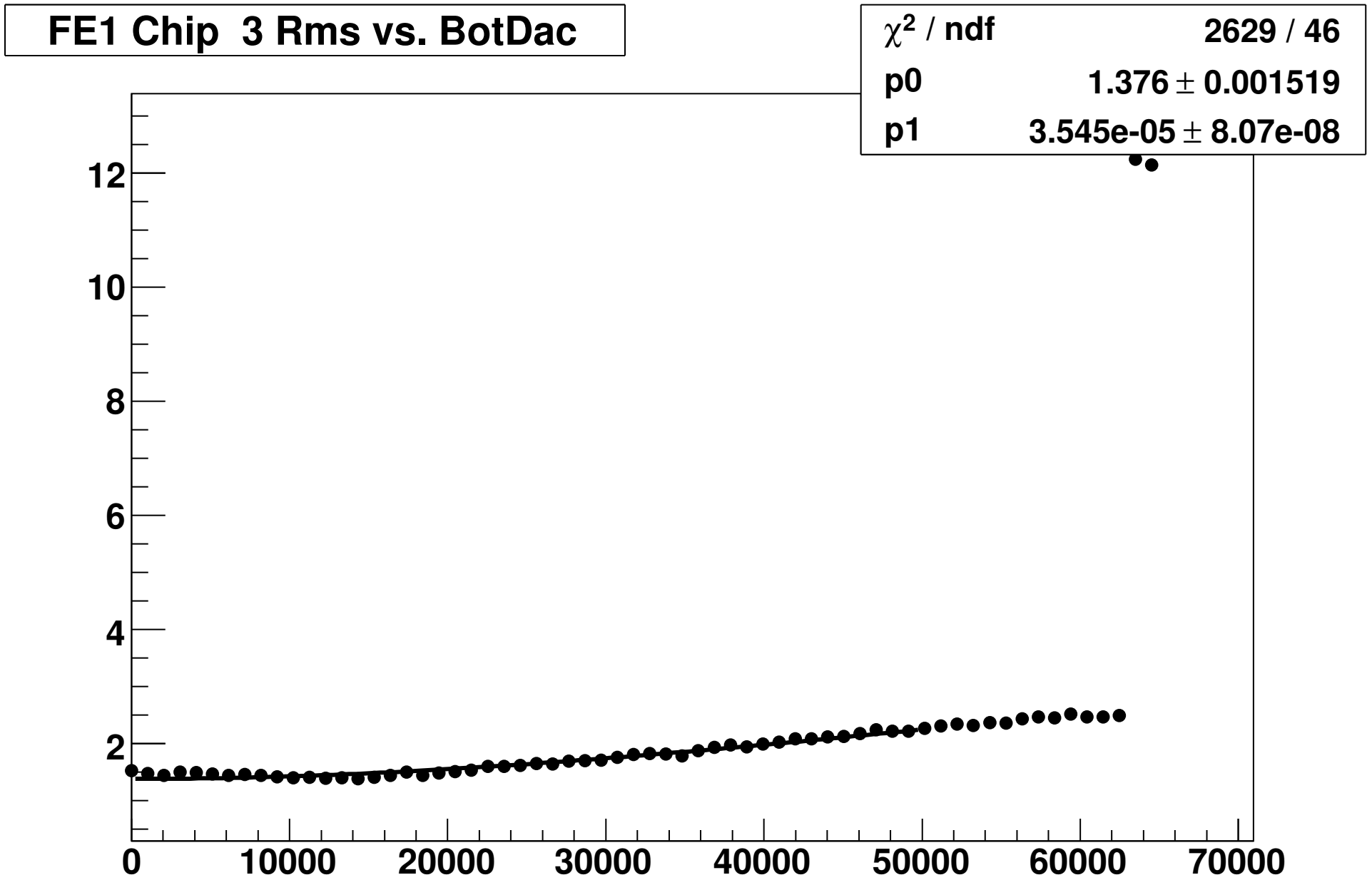
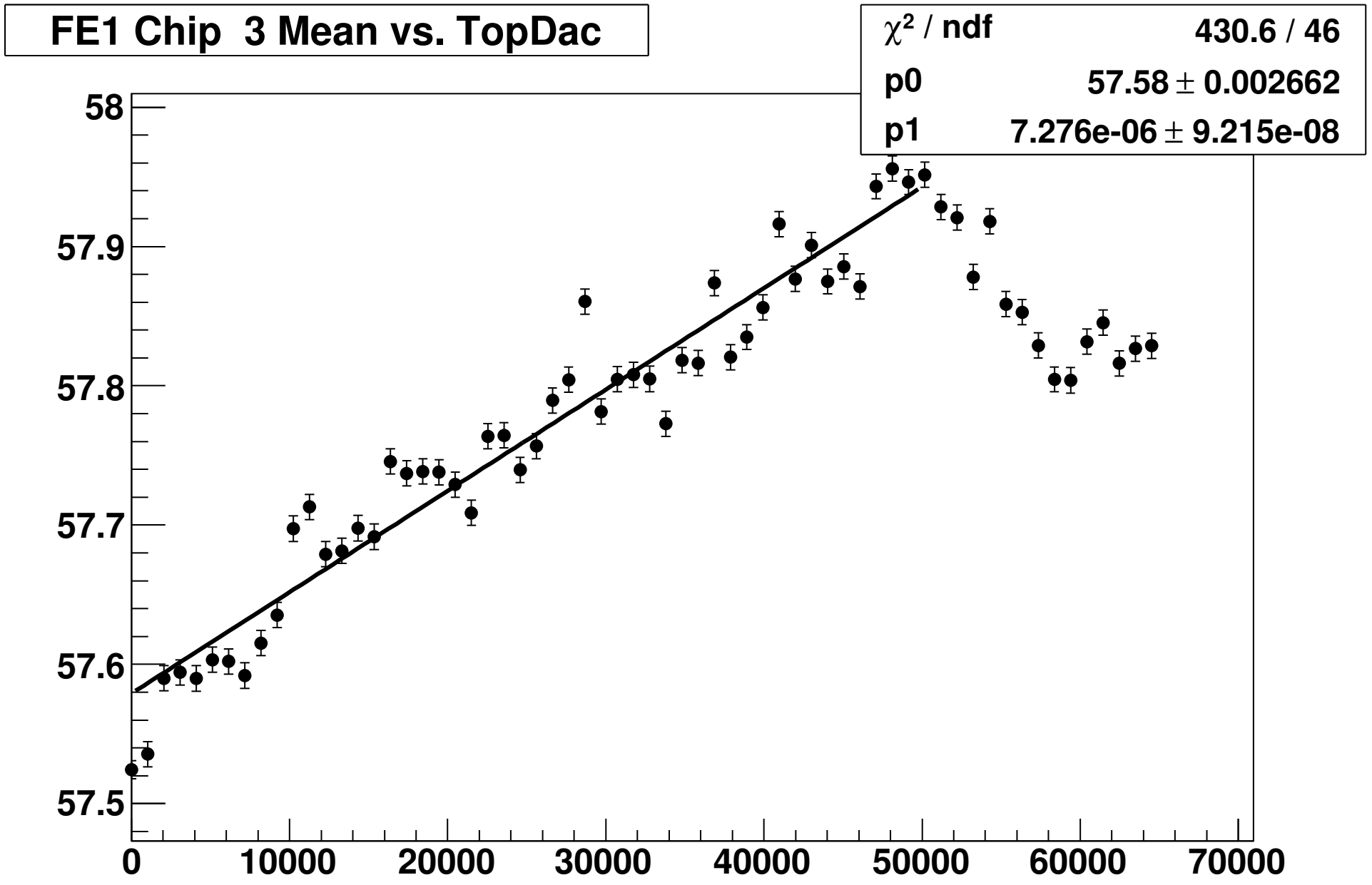
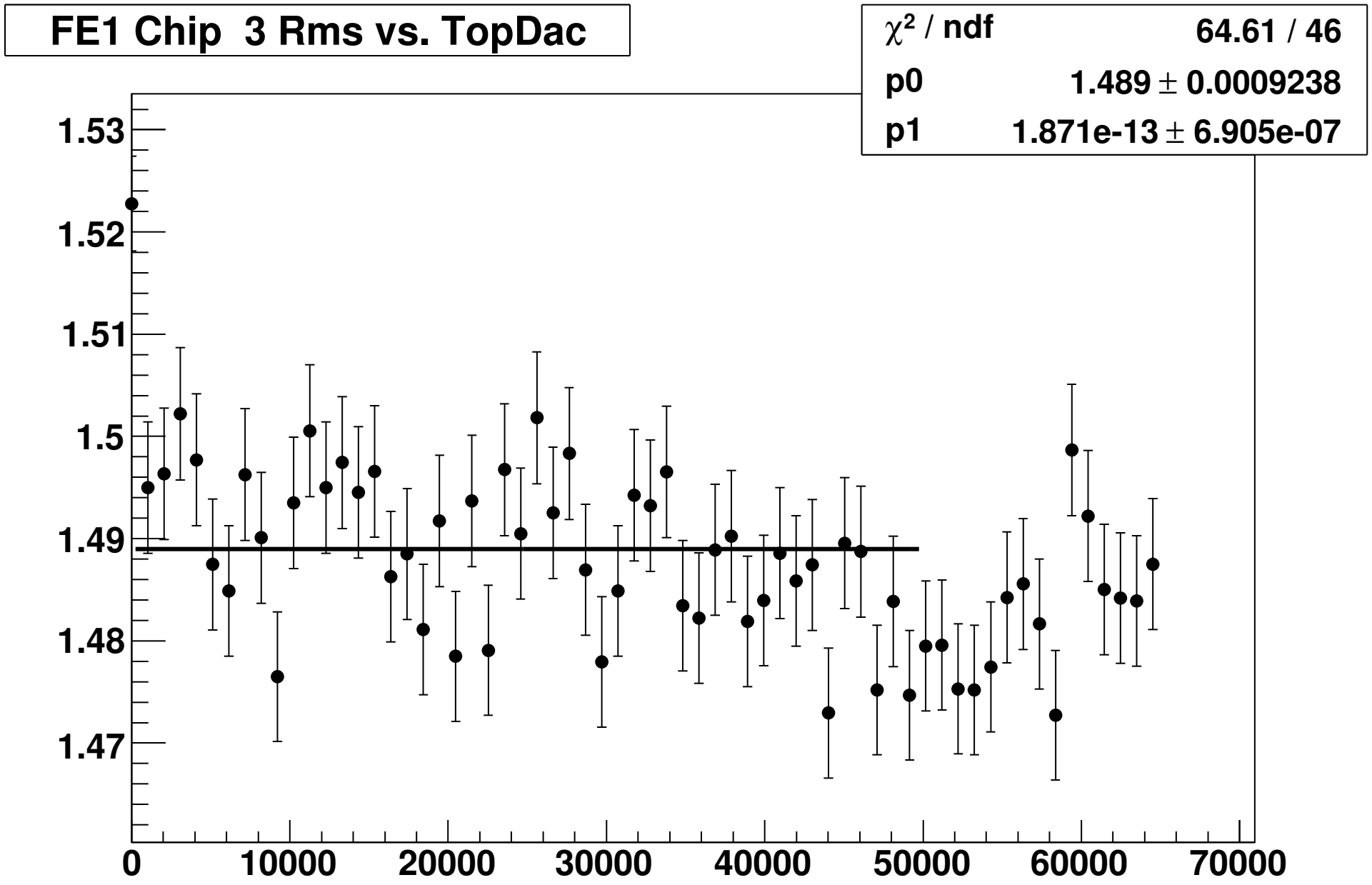
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 2629 / 46
p0 1.376 ± 0.001519
p1 3.545e-05 ± 8.07e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 430.6 / 46
p0 57.58 ± 0.002662
p1 7.276e-06 ± 9.215e-08
58
57.9
57.8
57.7
57.6
57.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 64.61 / 46
p0 1.489 ± 0.0009238
p1 1.871e-13 ± 6.905e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
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20000
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40000
50000
60000
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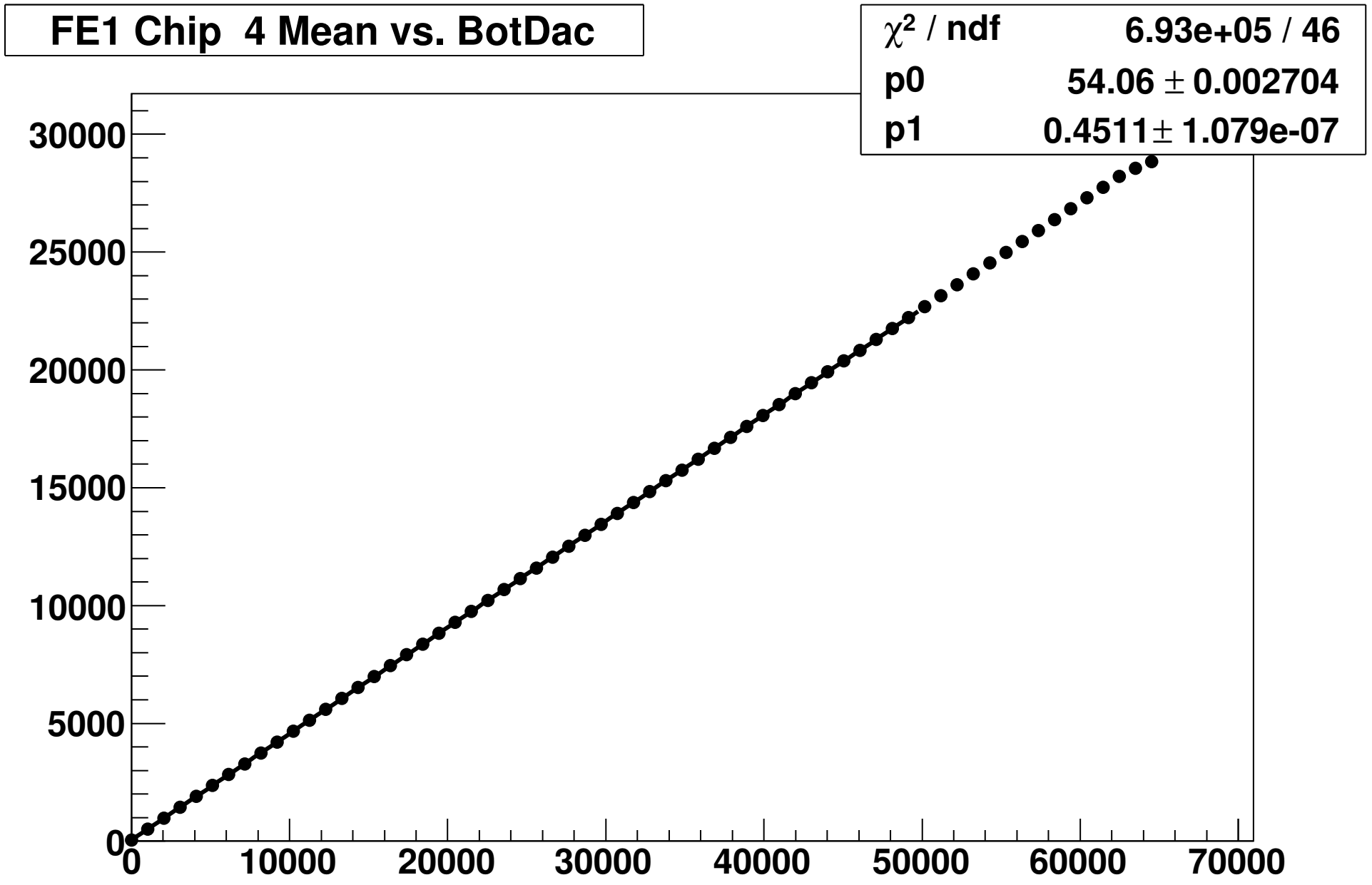
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 6.93e+05 / 46
p0 54.06 ± 0.002704
p1 0.4511 ± 1.079e-07
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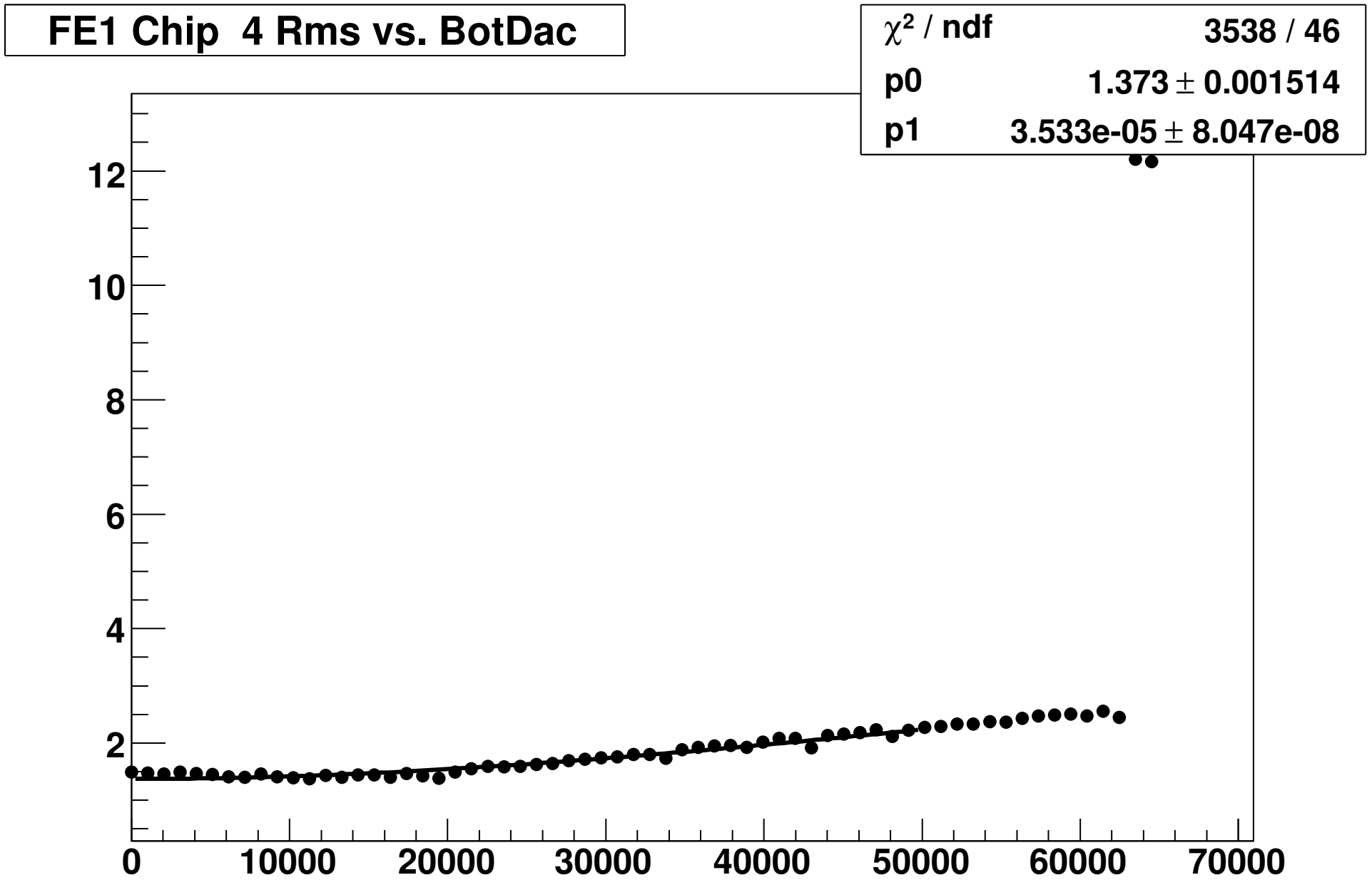
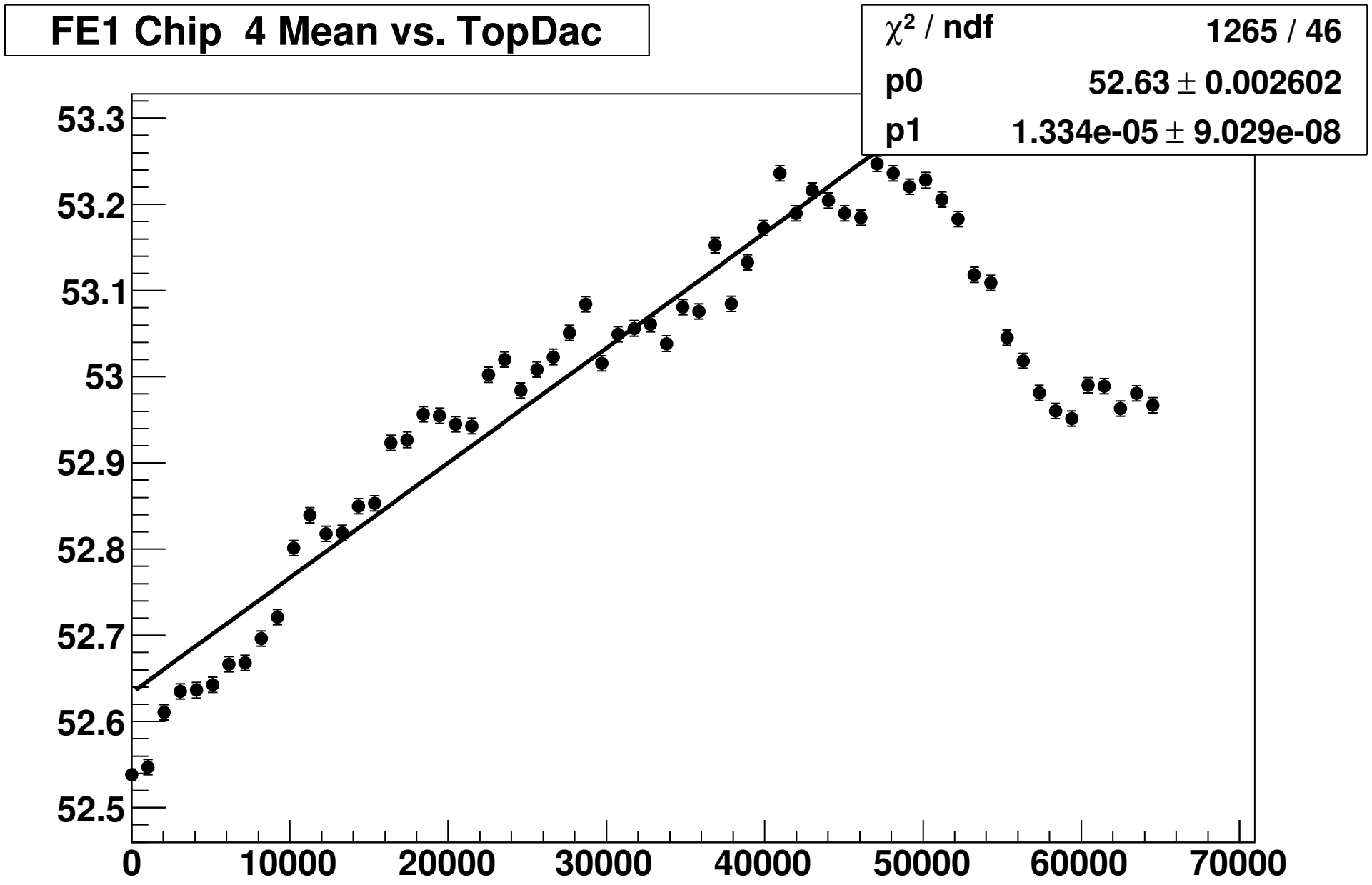
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 3538 / 46
p0 1.373 ± 0.001514
p1 3.533e-05 ± 8.047e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 1265 / 46
p0 52.63 ± 0.002602
p1 1.334e-05 ± 9.029e-08
53.3
53.2
53.1
53
52.9
52.8
52.7
52.6
52.5
0
10000
20000
30000
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50000
60000
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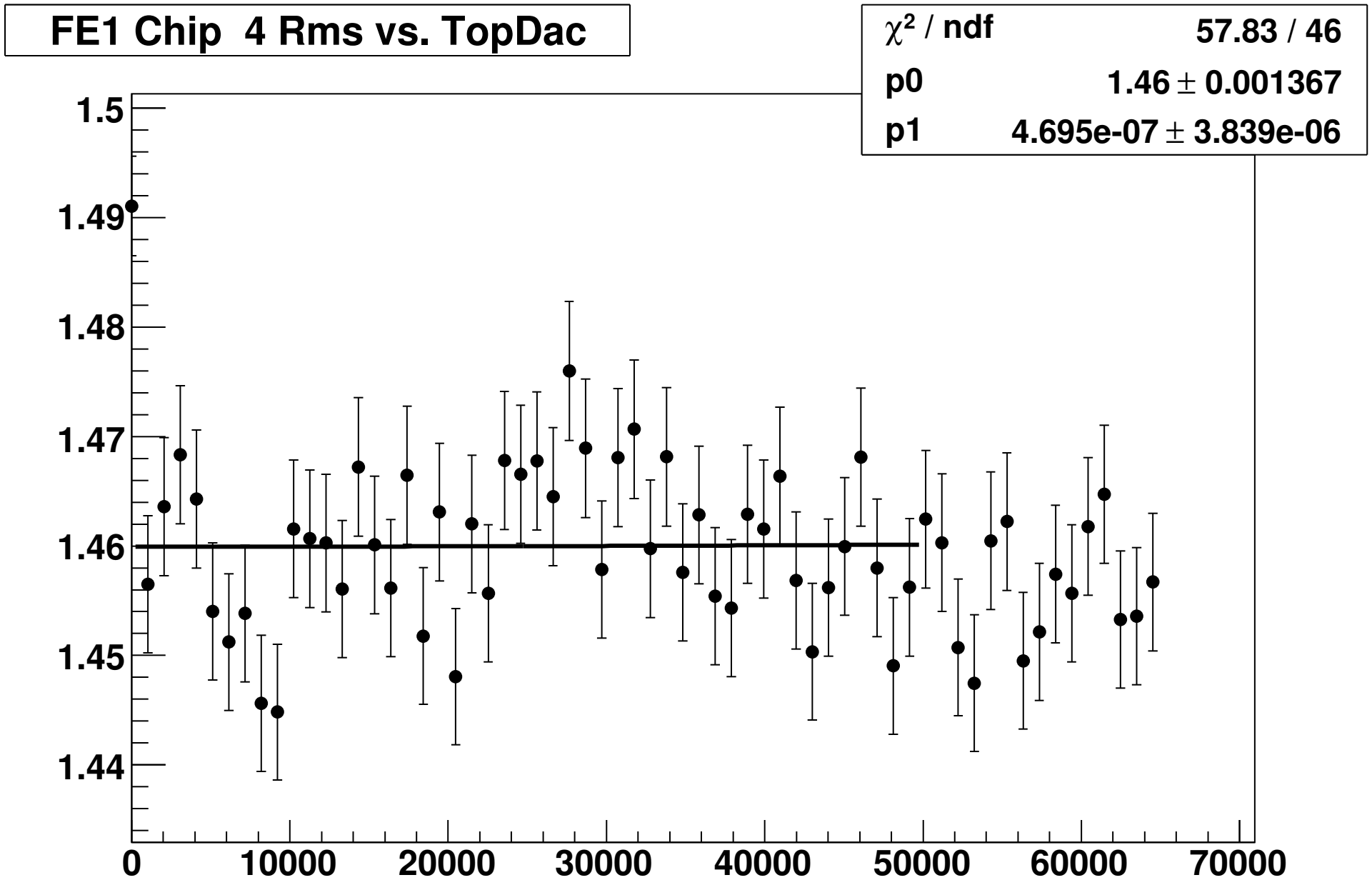
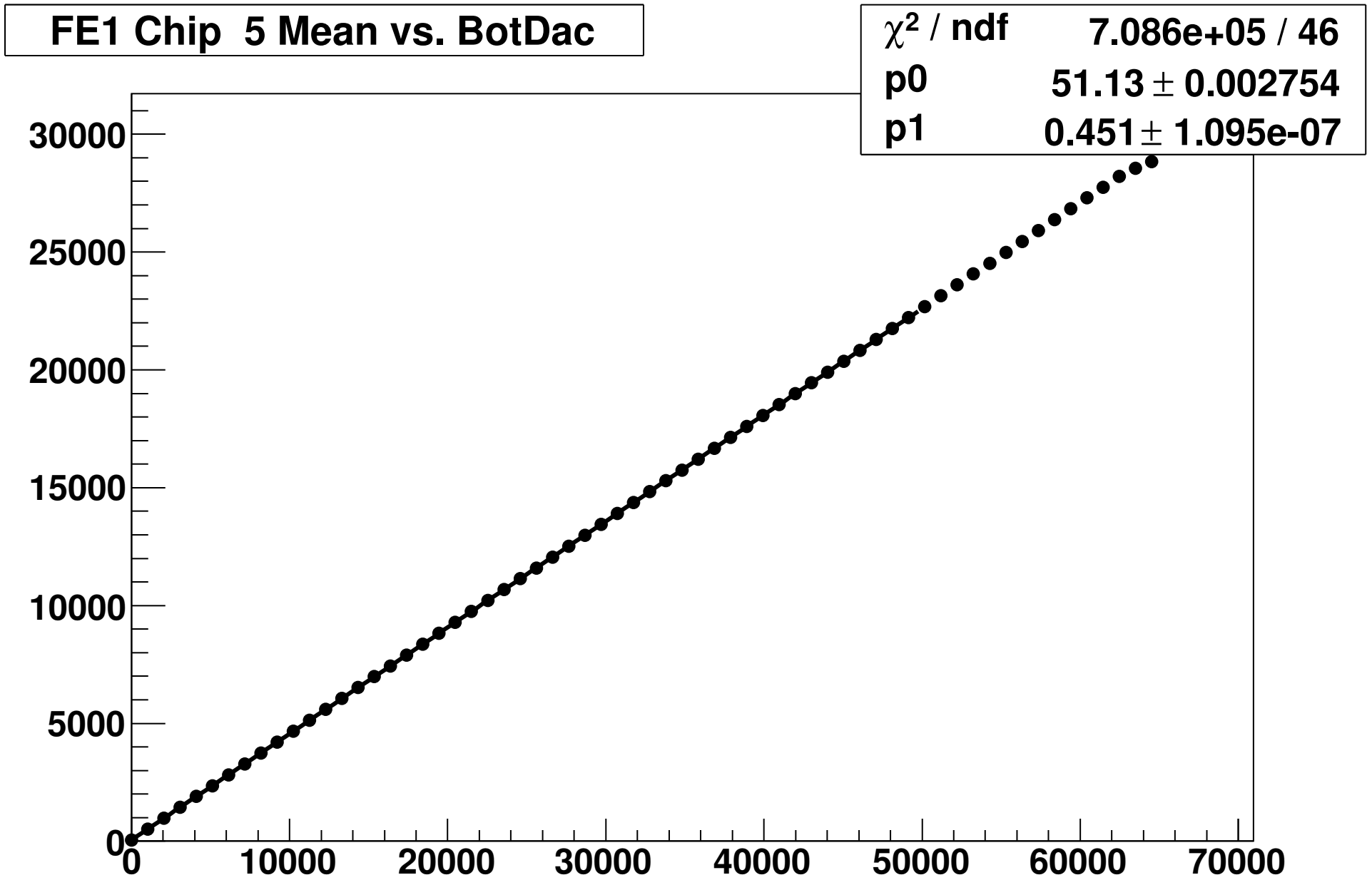

FE1 Chip 4 Rms vs. TopDac
χ² / ndf 57.83 / 46
p0 1.46 ± 0.001367
p1 4.695e-07 ± 3.839e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. BotDac
χ² / ndf 7.086e+05 / 46
p0 51.13 ± 0.002754
p1 0.451 ± 1.095e-07
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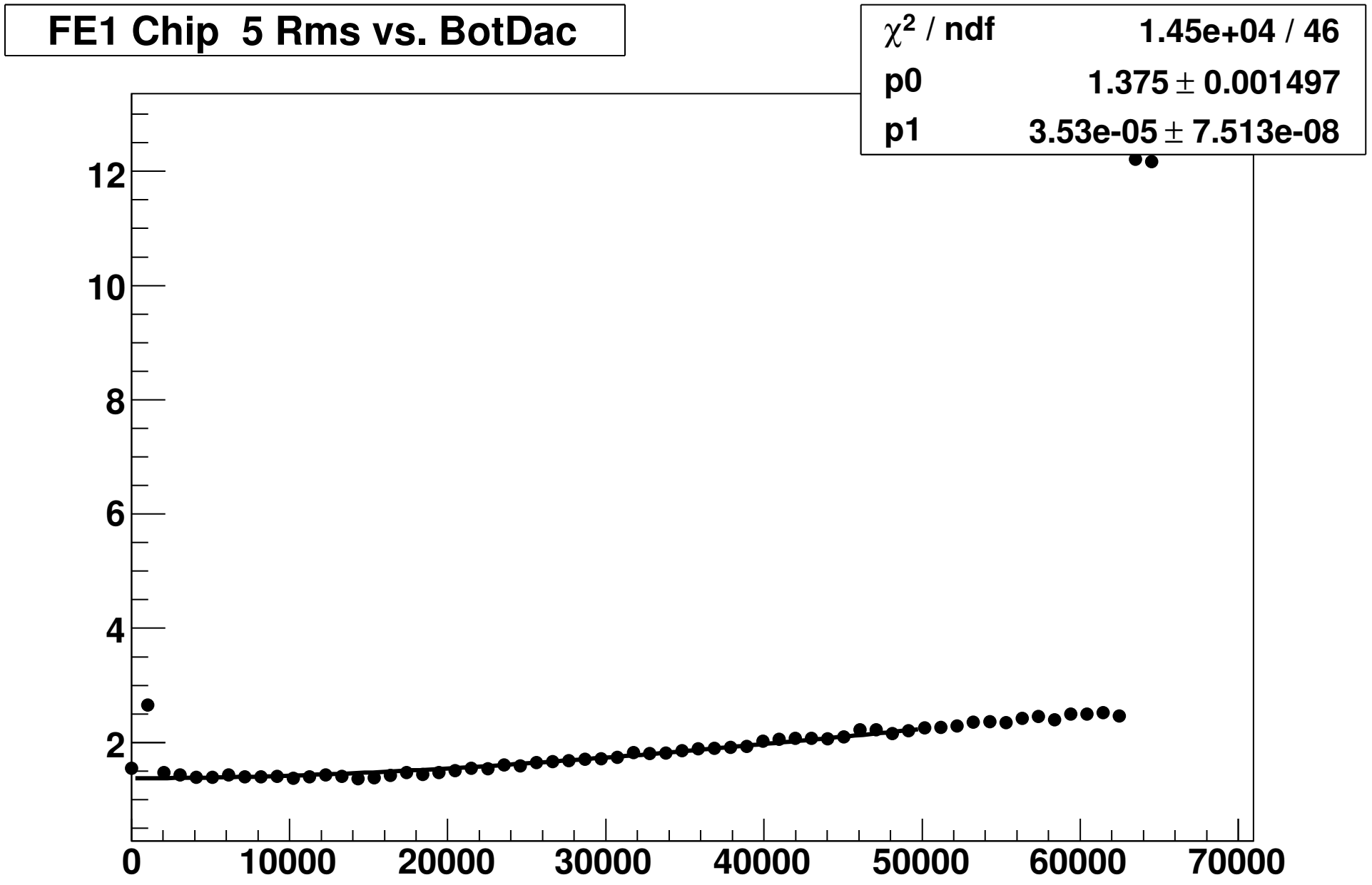
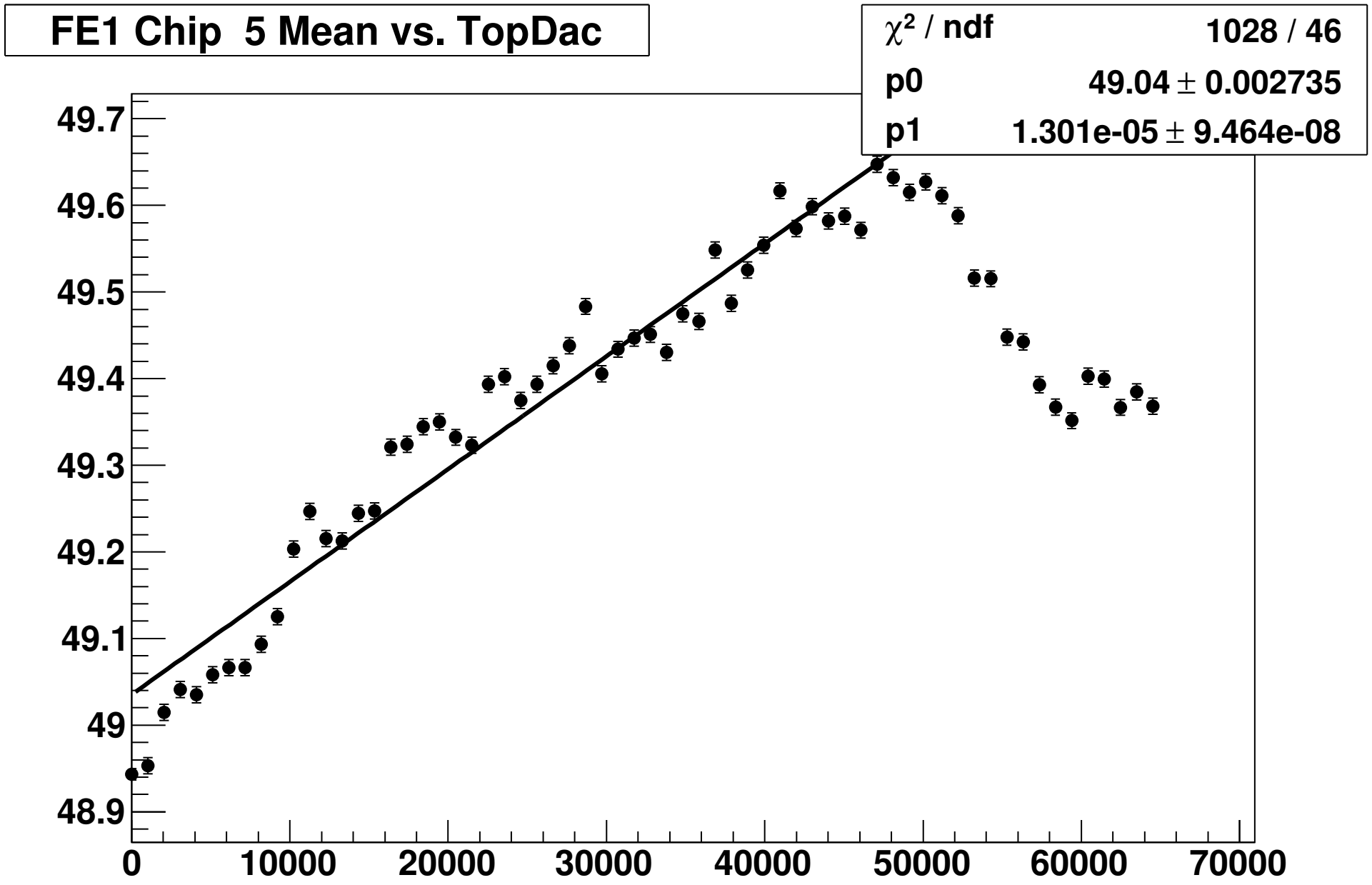
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1.45e+04 / 46
p0 1.375 ± 0.001497
p1 3.53e-05 ± 7.513e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 1028 / 46
p0 49.04 ± 0.002735
p1 1.301e-05 ± 9.464e-08
49.7
49.6
49.5
49.4
49.3
49.2
49.1
49
48.9
0
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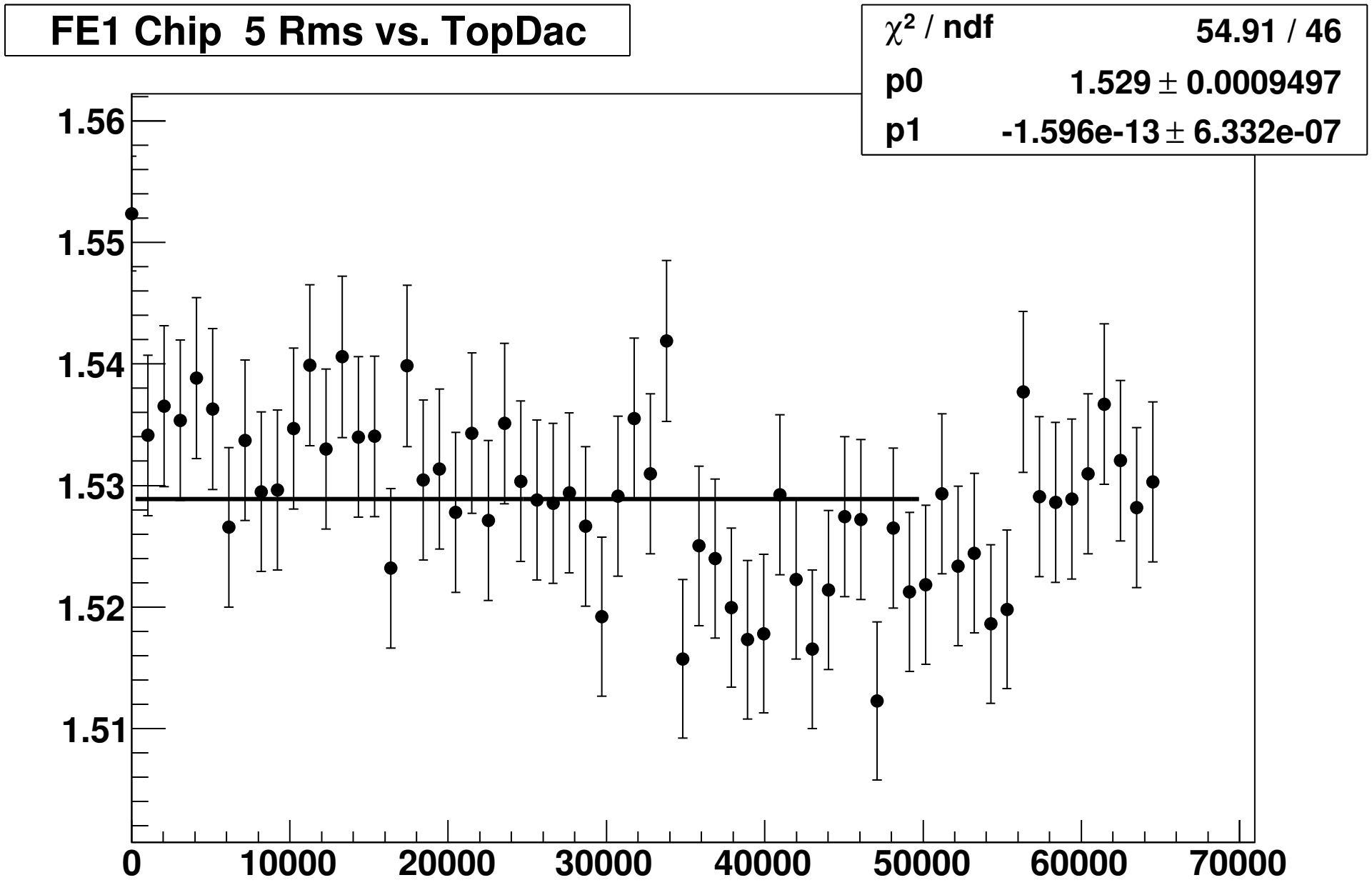
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 54.91 / 46
p0 1.529 ± 0.0009497
p1 -1.596e-13 ± 6.332e-07
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
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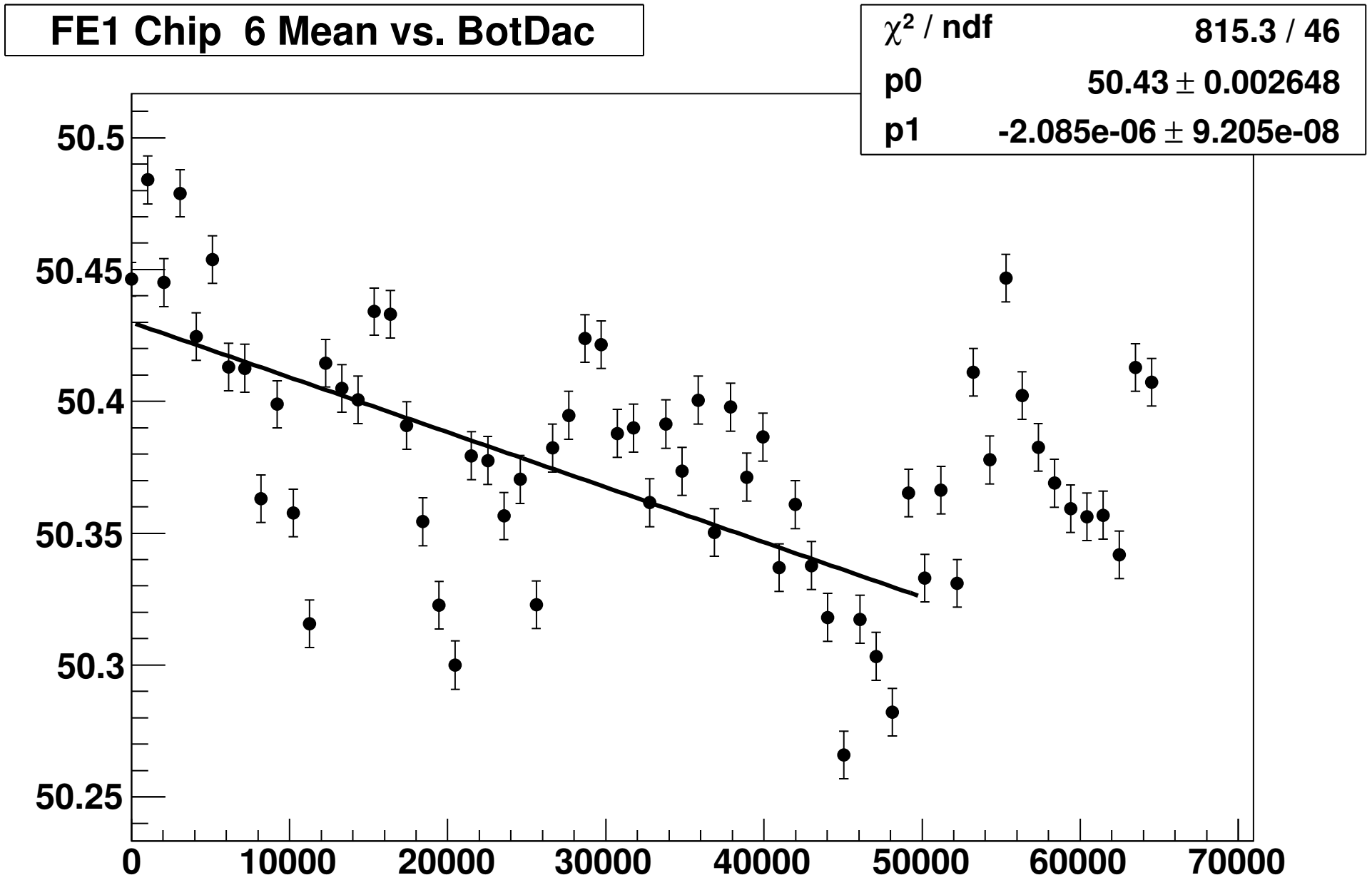
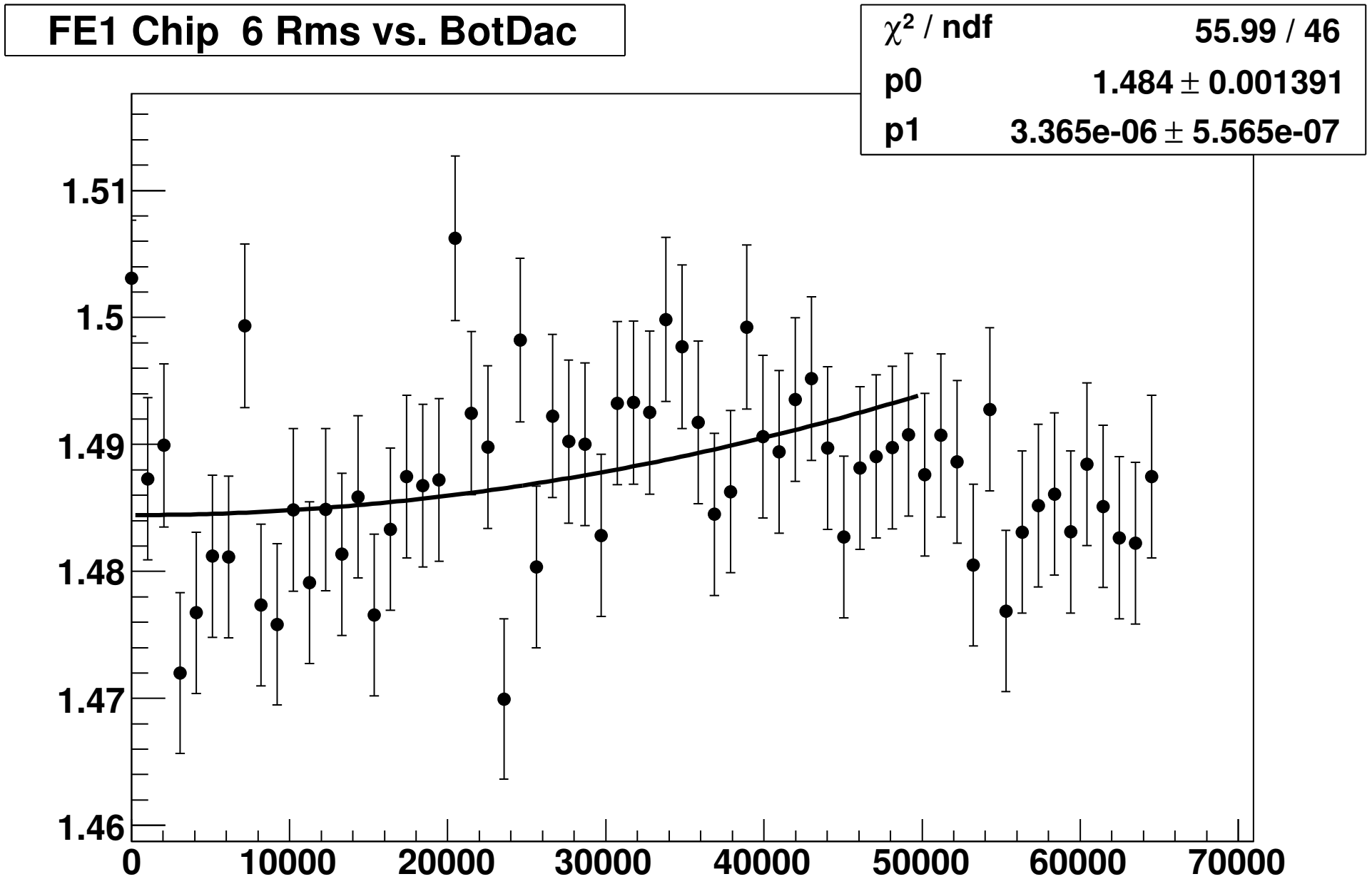
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 815.3 / 46
p0 50.43 ± 0.002648
p1 -2.085e-06 ± 9.205e-08
50.5
50.45
50.4
50.35
50.3
50.25
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 55.99 / 46
p0 1.484 ± 0.001391
p1 3.365e-06 ± 5.565e-07
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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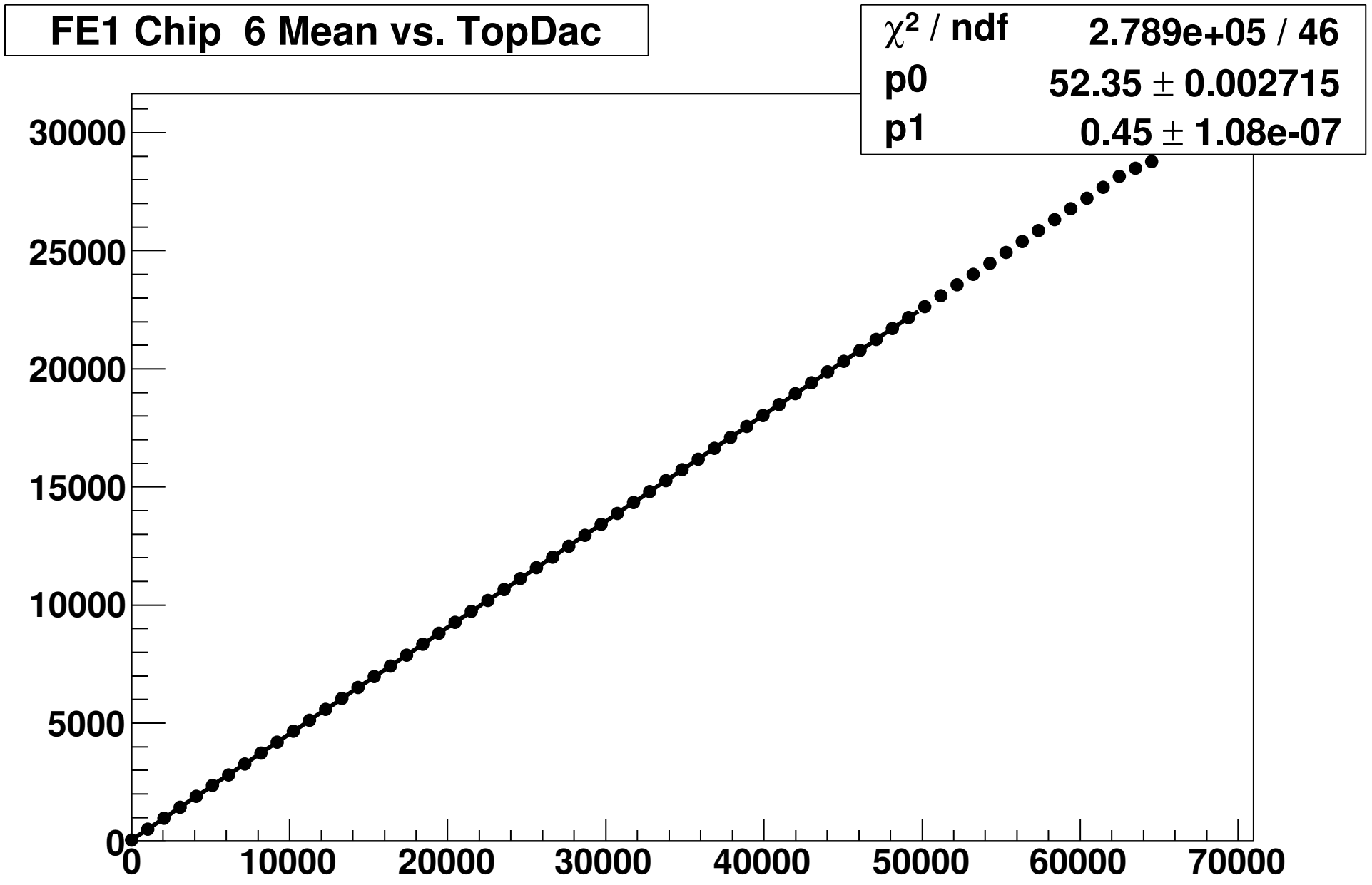
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 2.789e+05 / 46
p0 52.35 ± 0.002715
p1 0.45 ± 1.08e-07
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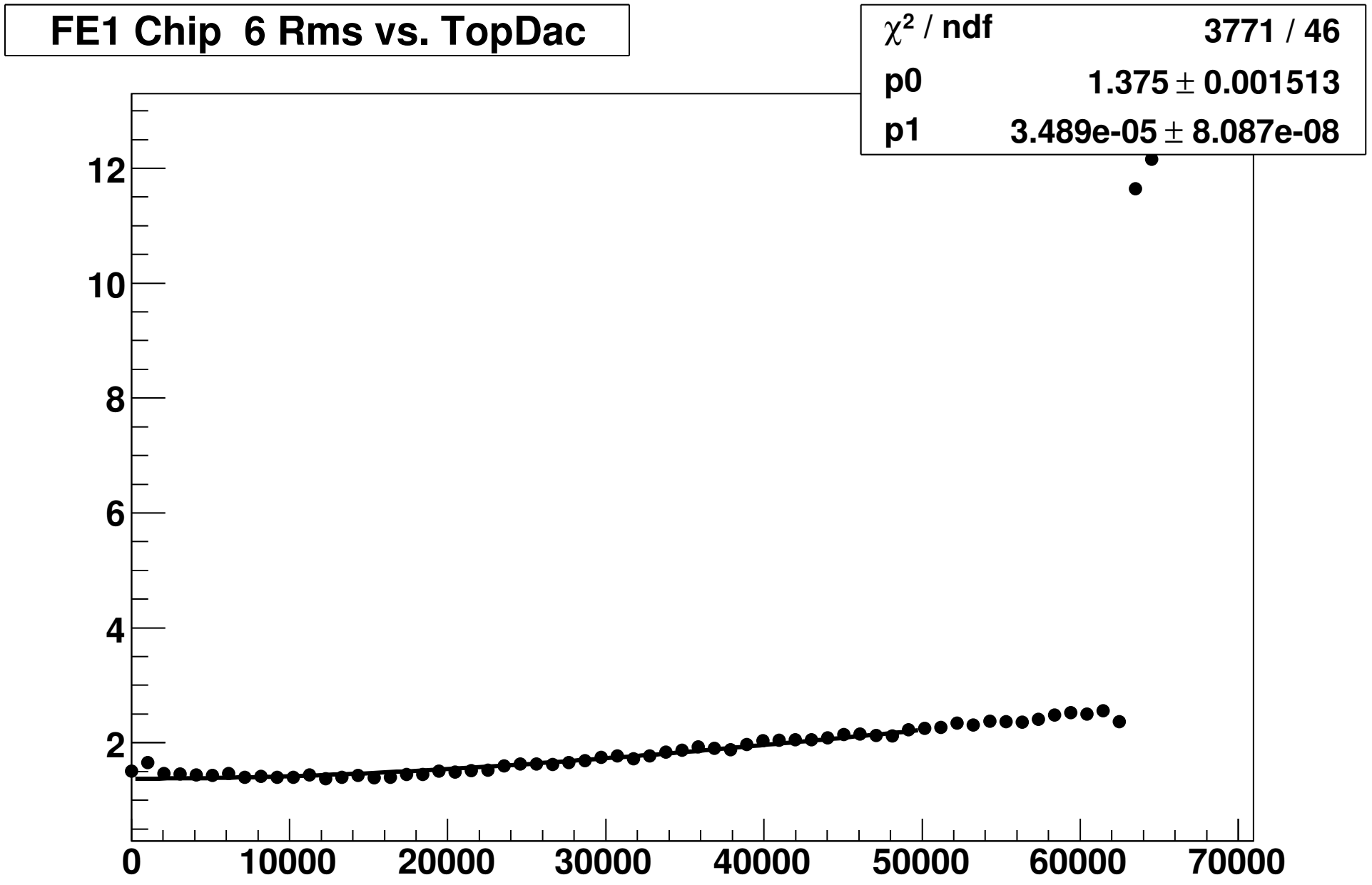
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 3771 / 46
p0 1.375 ± 0.001513
p1 3.489e-05 ± 8.087e-08
12
10
8
6
4
2
0
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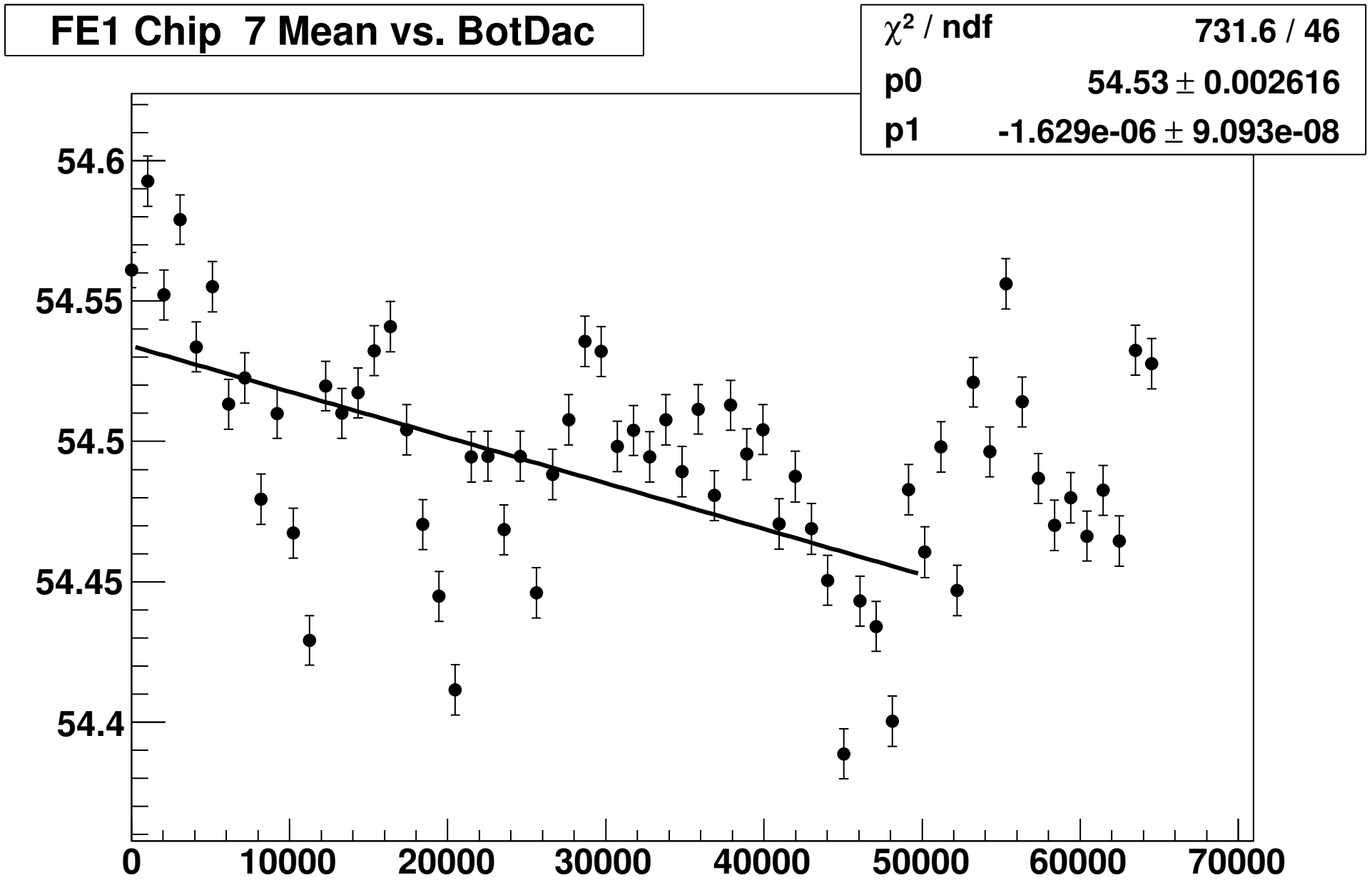
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 731.6 / 46
p0 54.53 ± 0.002616
p1 -1.629e-06 ± 9.093e-08
54.6
54.55
54.5
54.45
54.4
0
10000
20000
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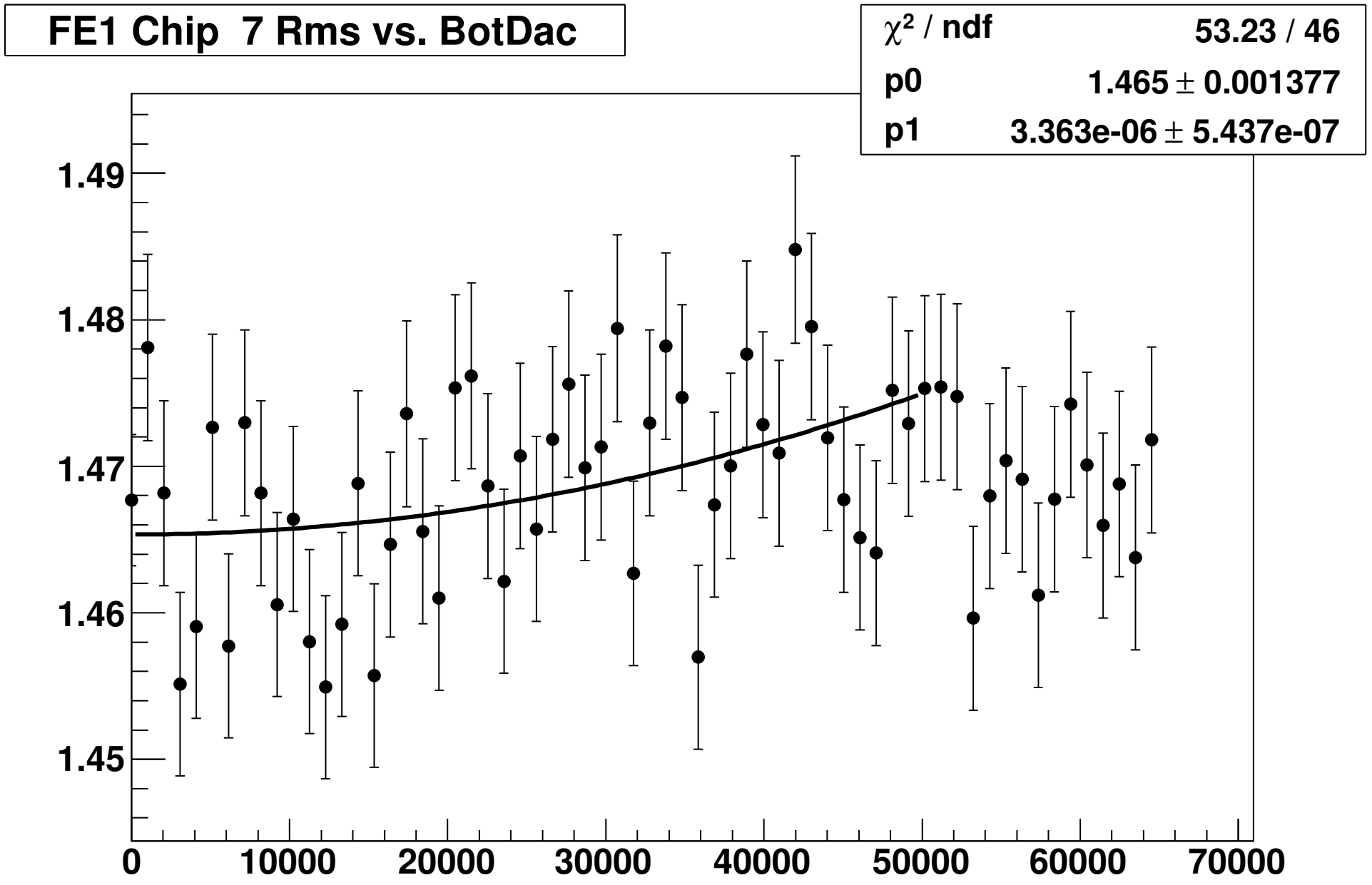
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 53.23 / 46
p0 1.465 ± 0.001377
p1 3.363e-06 ± 5.437e-07
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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50000
60000
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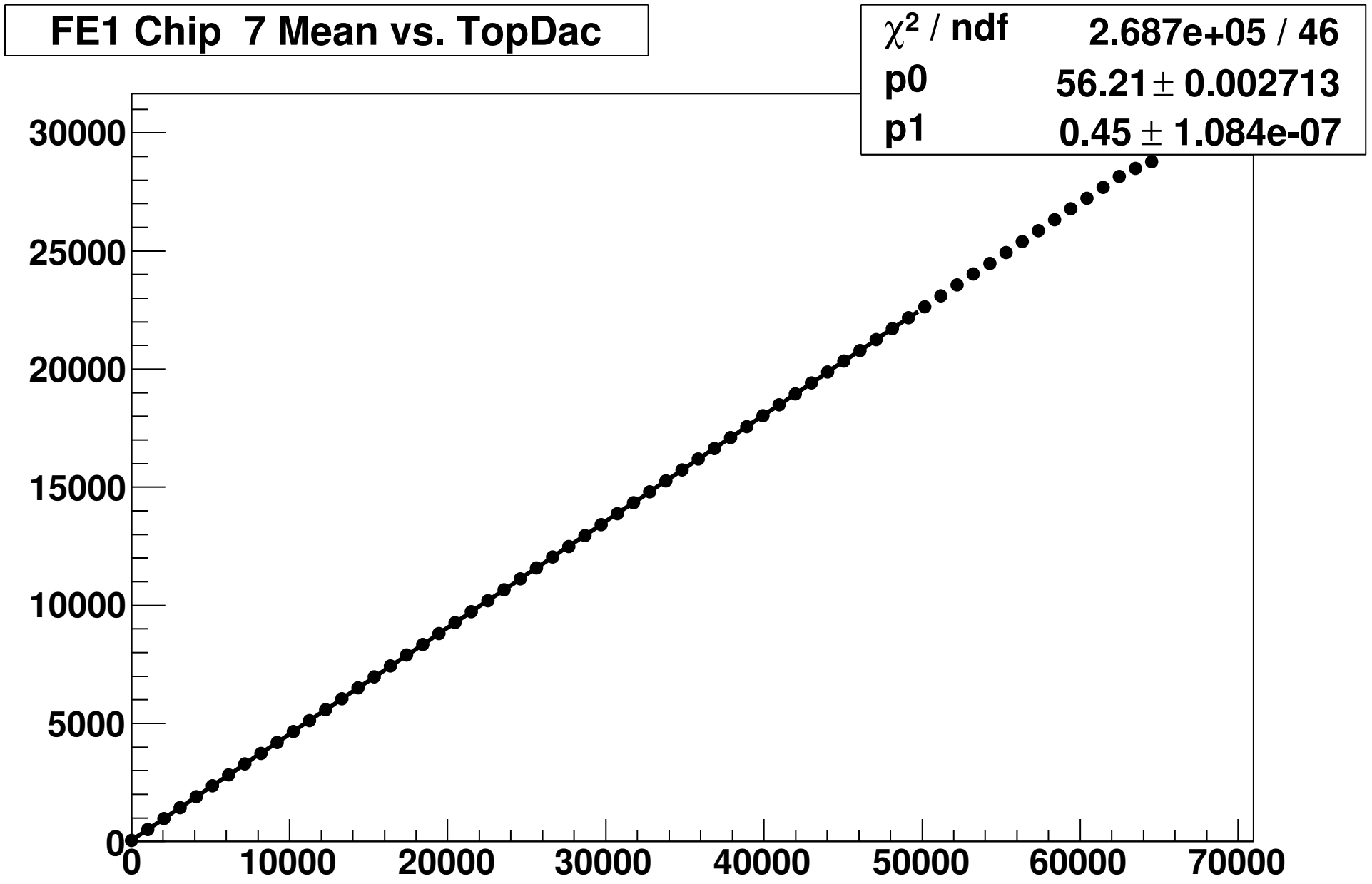
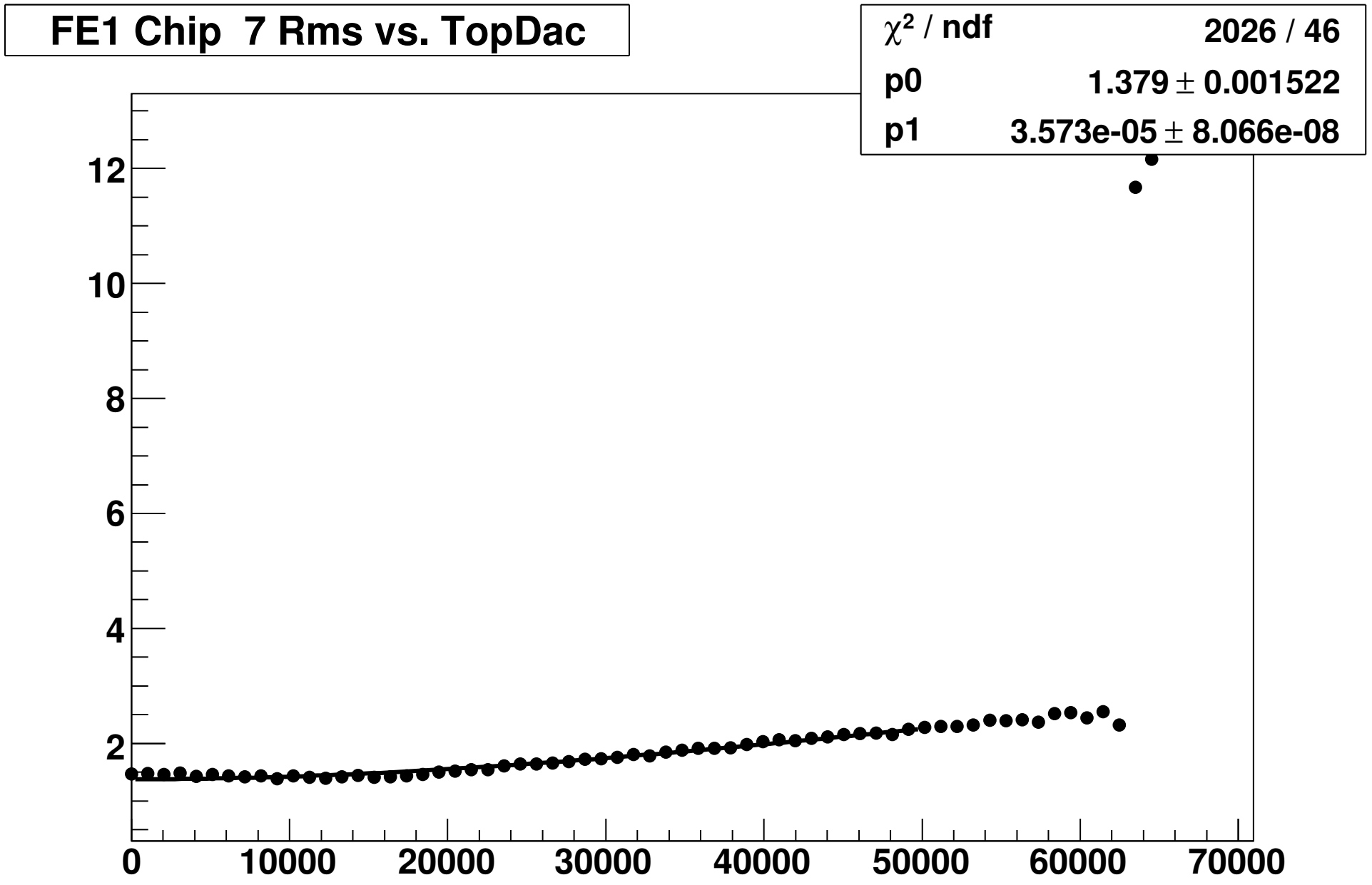
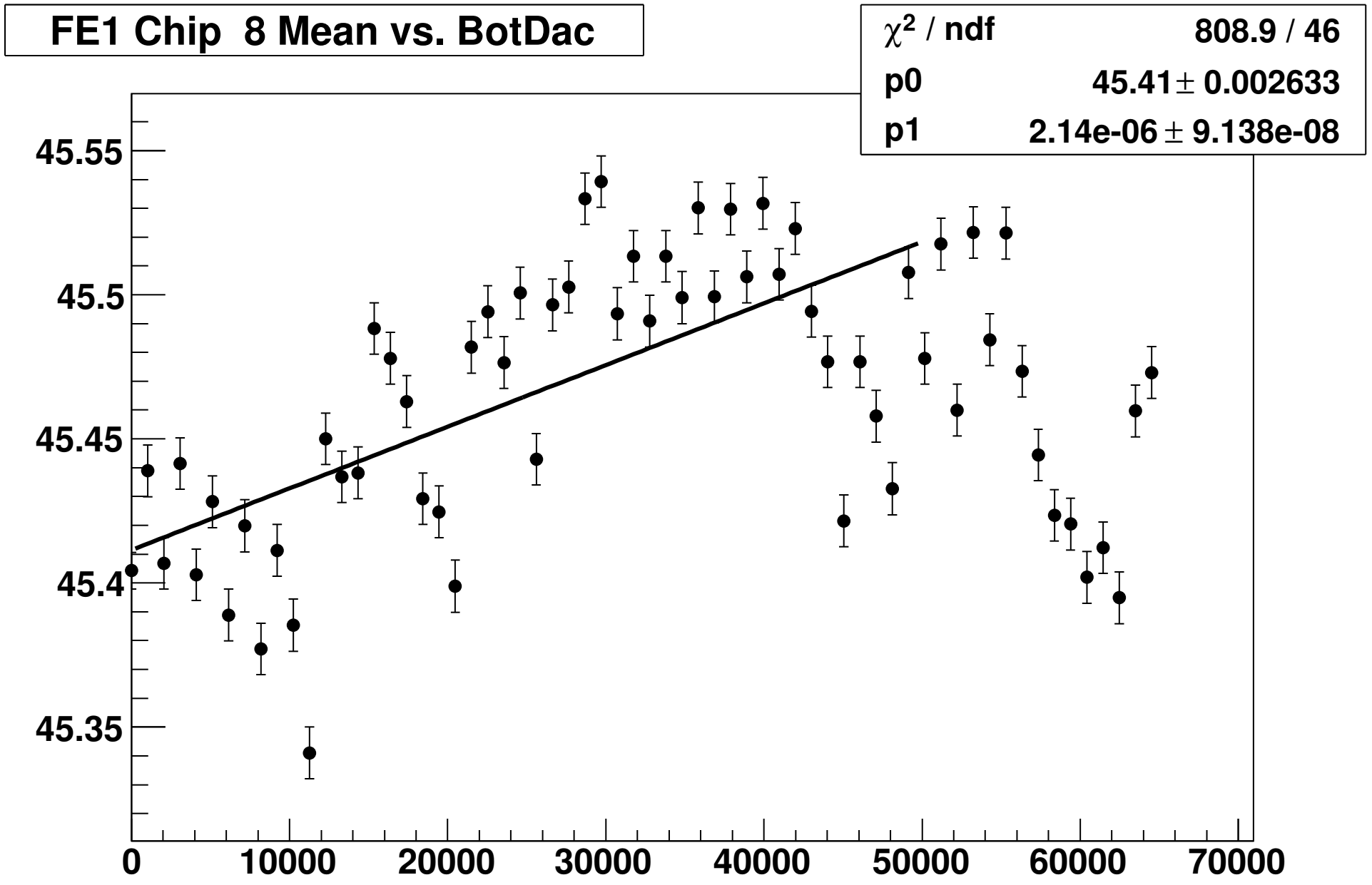
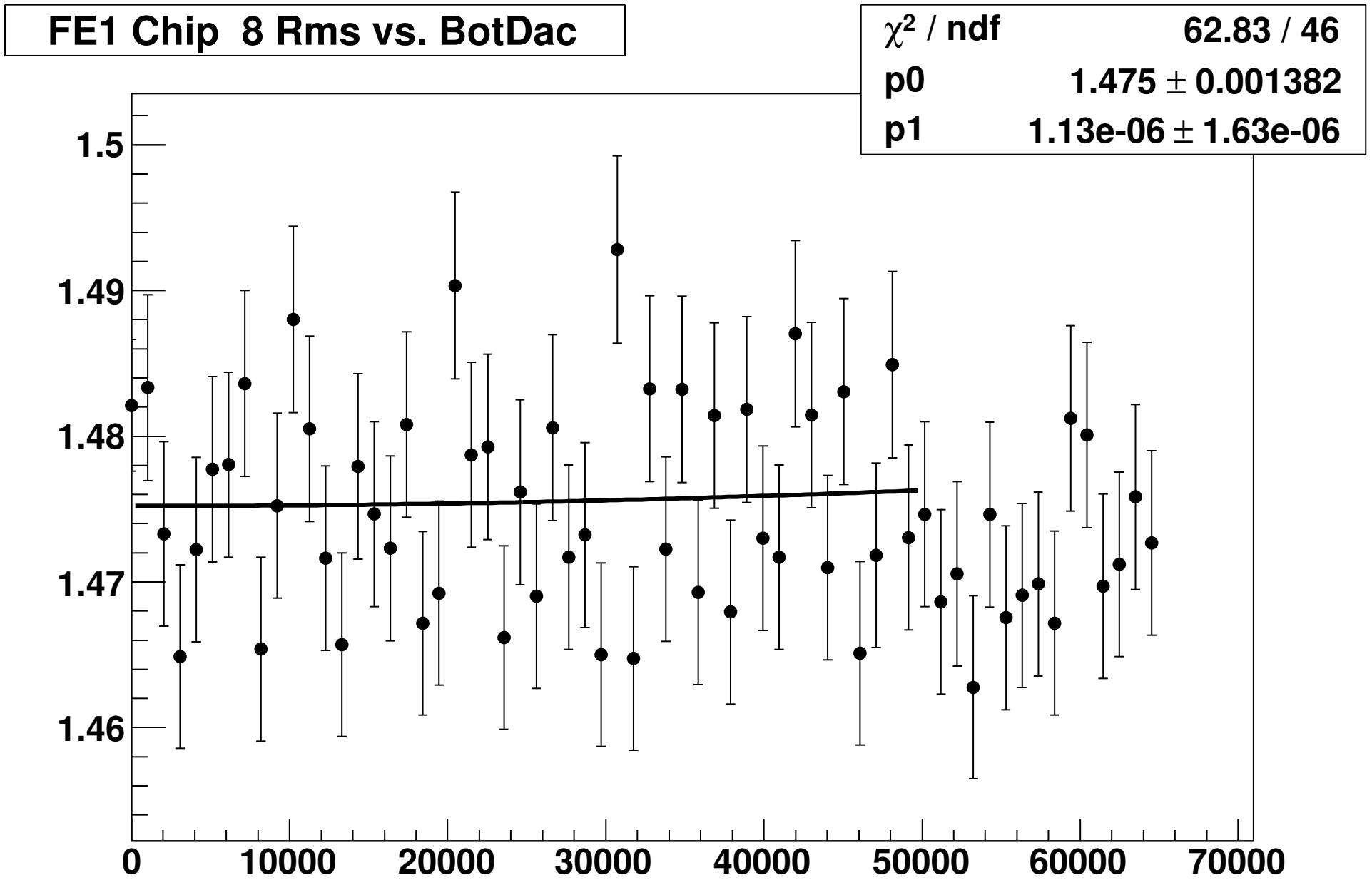
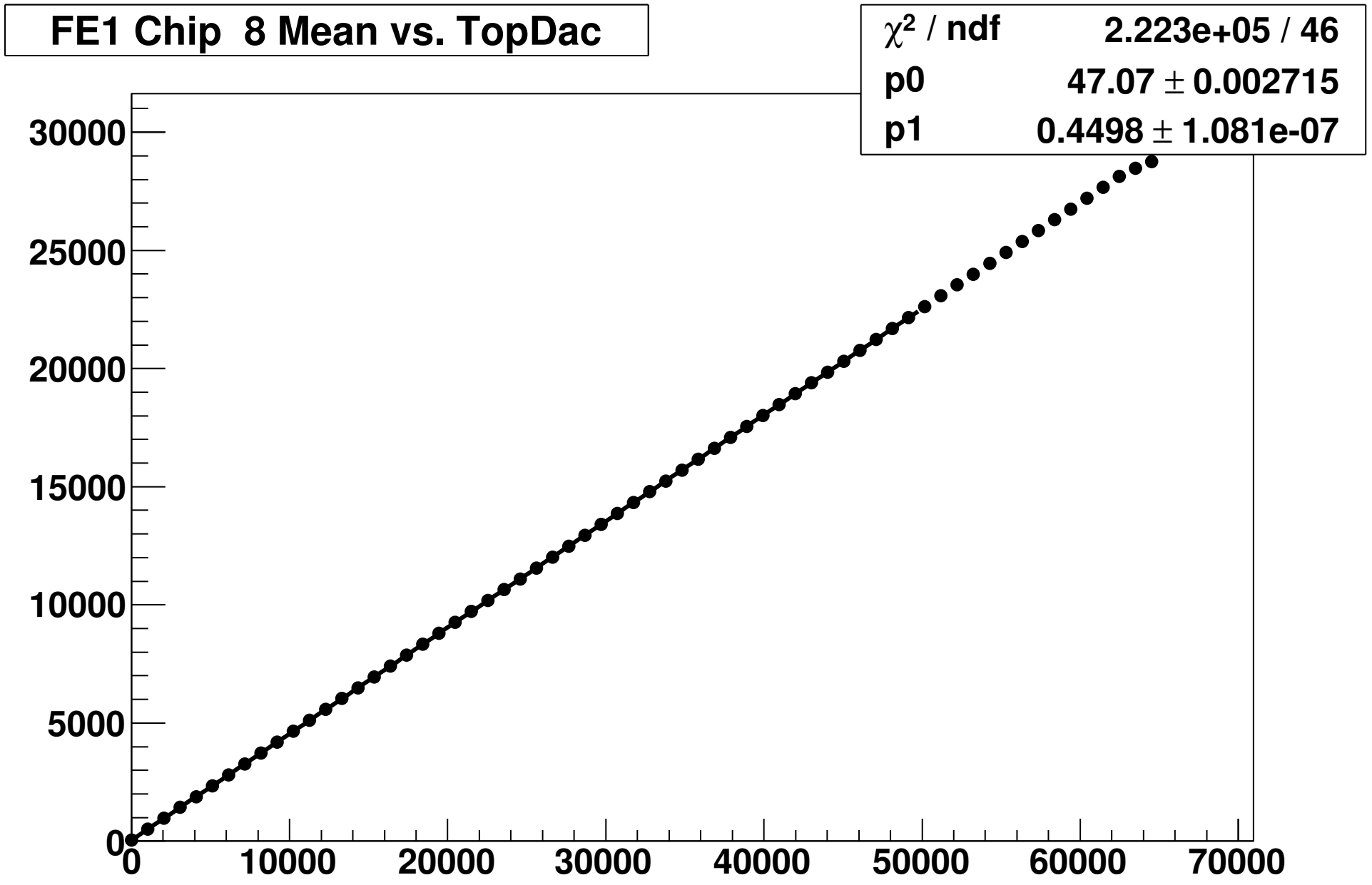
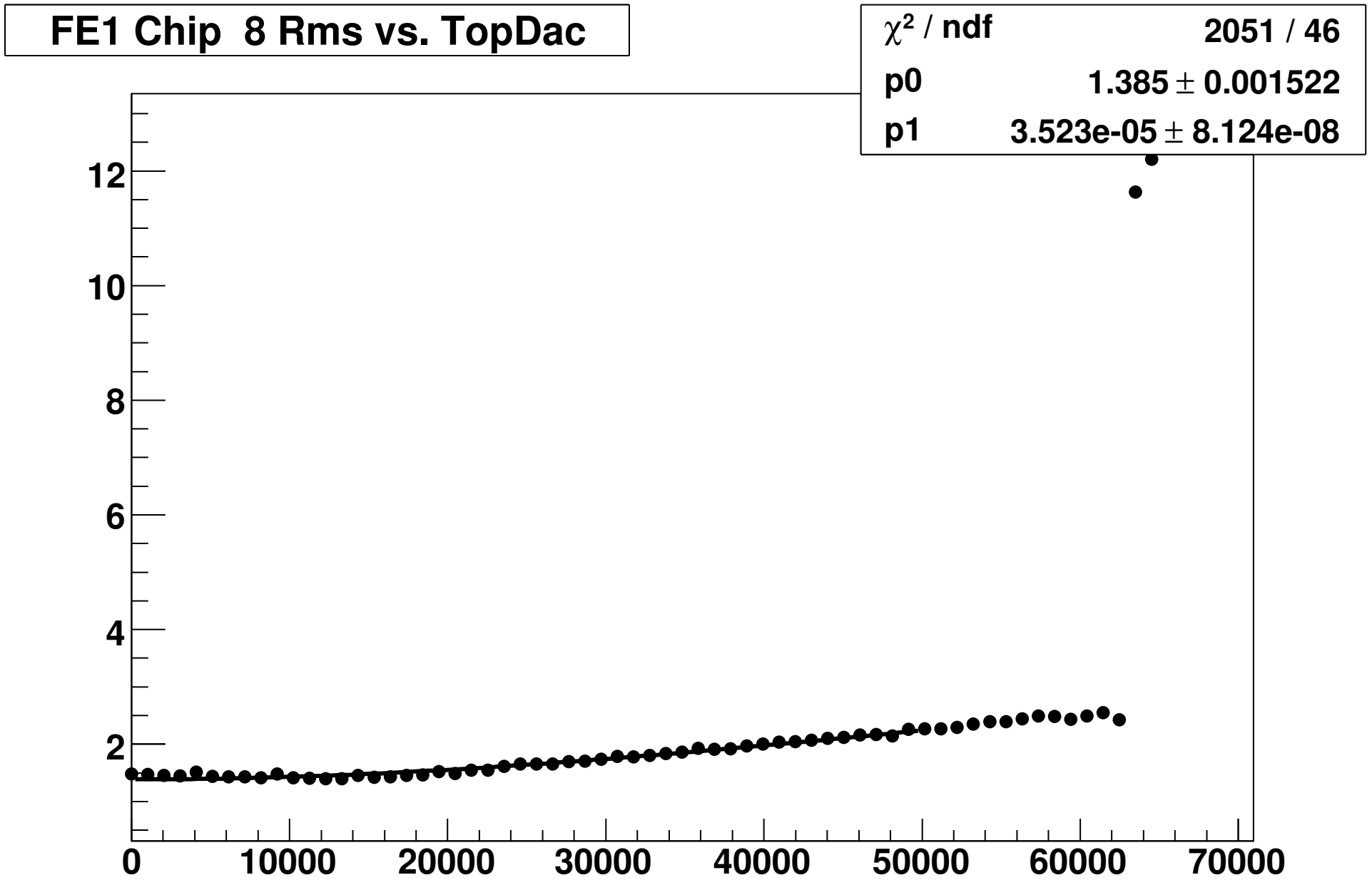

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 2.687e+05 / 46
p0 56.21 ± 0.002713
p1 0.45 ± 1.084e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

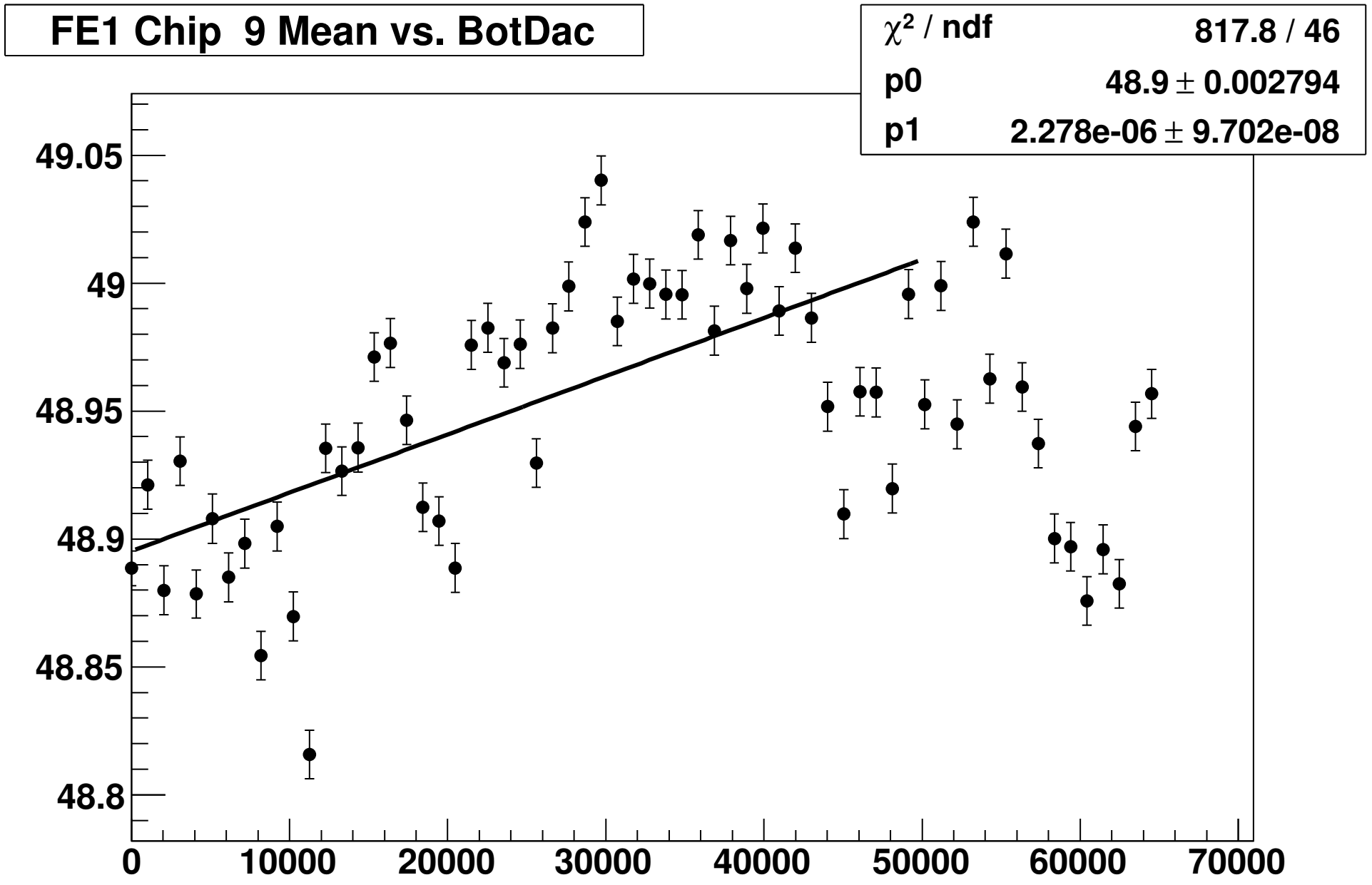

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 2026 / 46
p0 1.379 ± 0.001522
p1 3.573e-05 ± 8.066e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

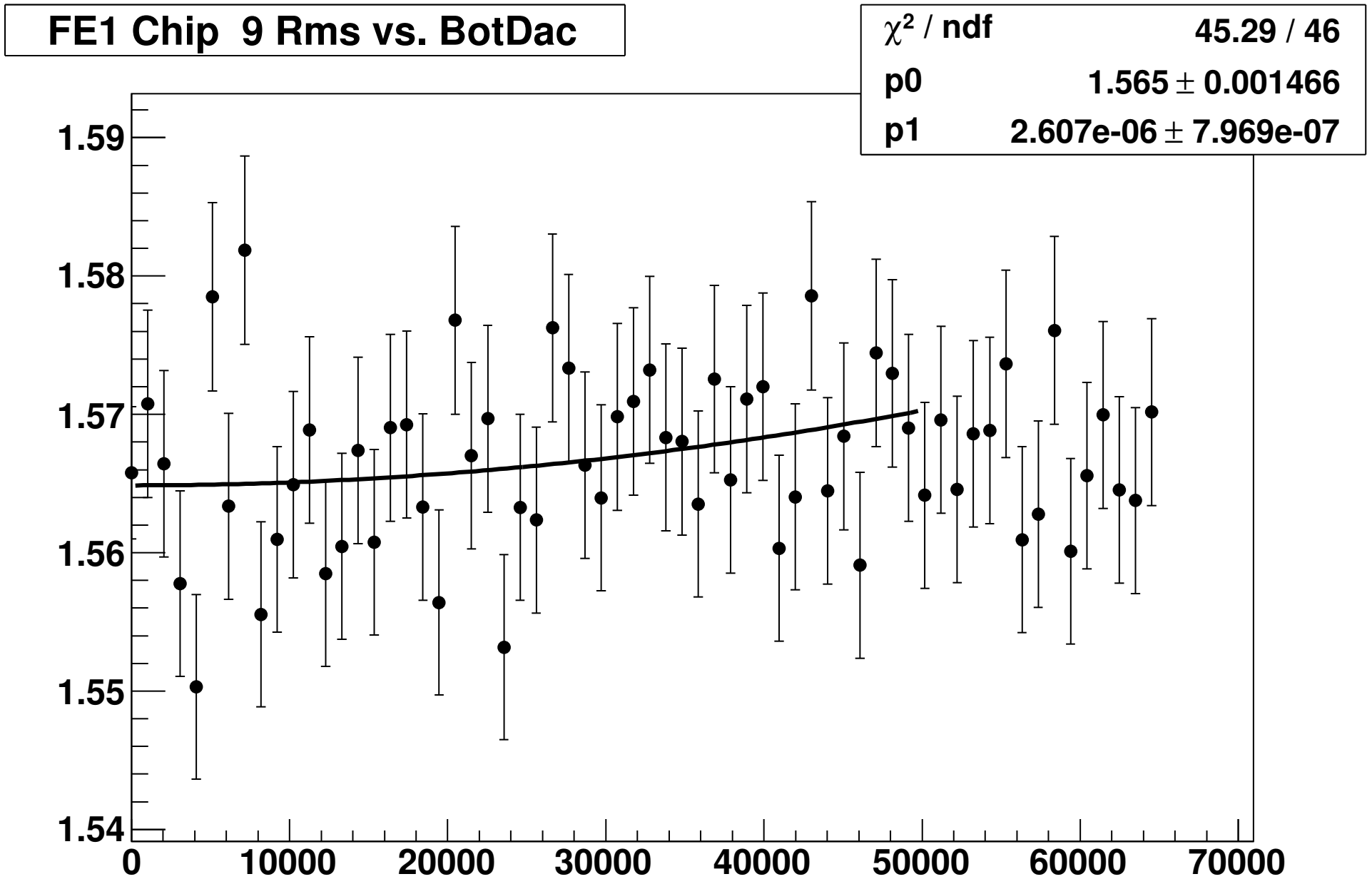

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 808.9 / 46
p0 45.41 ± 0.002633
p1 2.14e-06 ± 9.138e-08
45.55
45.5
45.45
45.4
45.35
0
10000
20000
30000
40000
50000
60000
70000

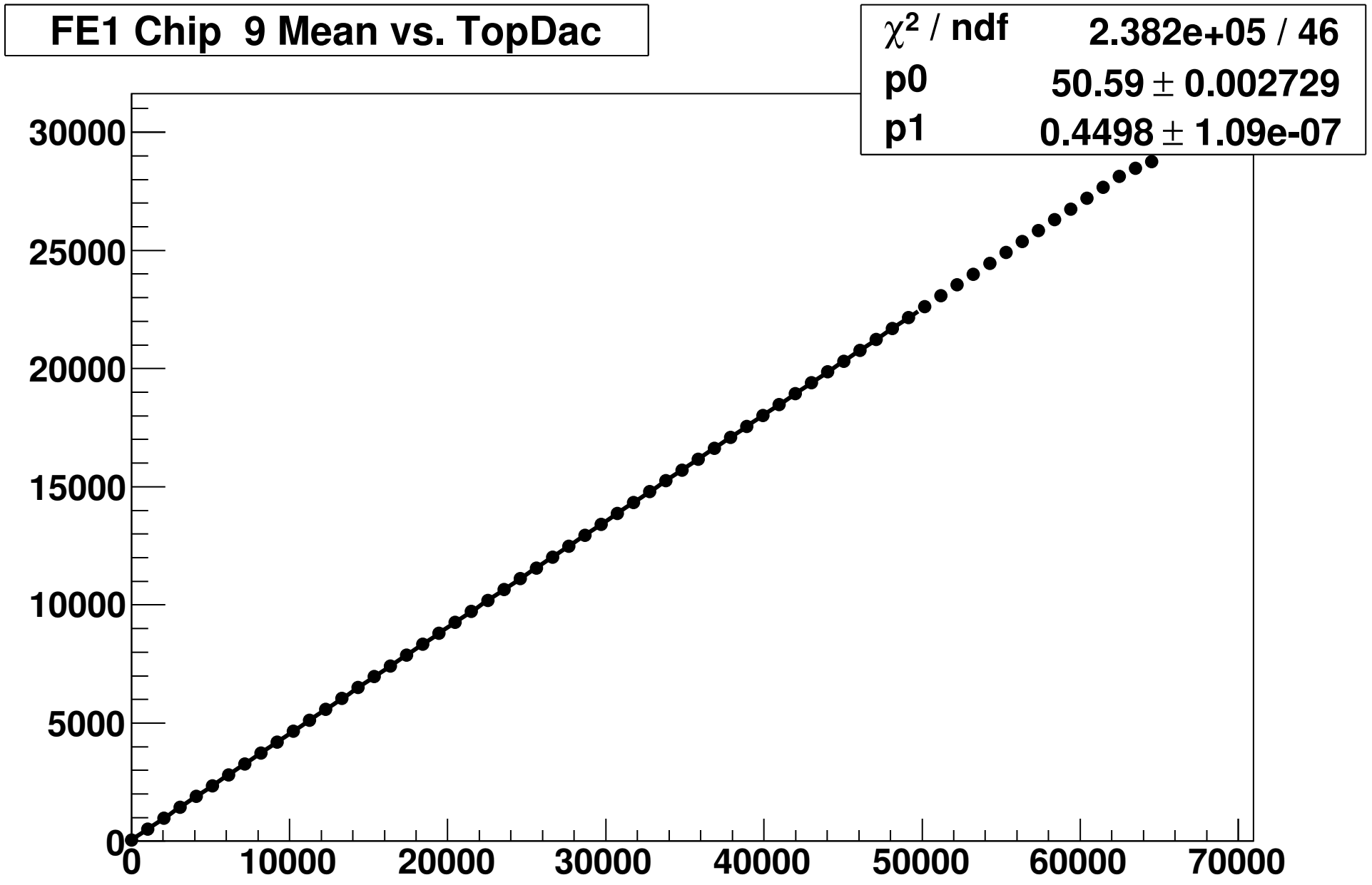

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 62.83 / 46
p0 1.475 ± 0.001382
p1 1.13e-06 ± 1.63e-06
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

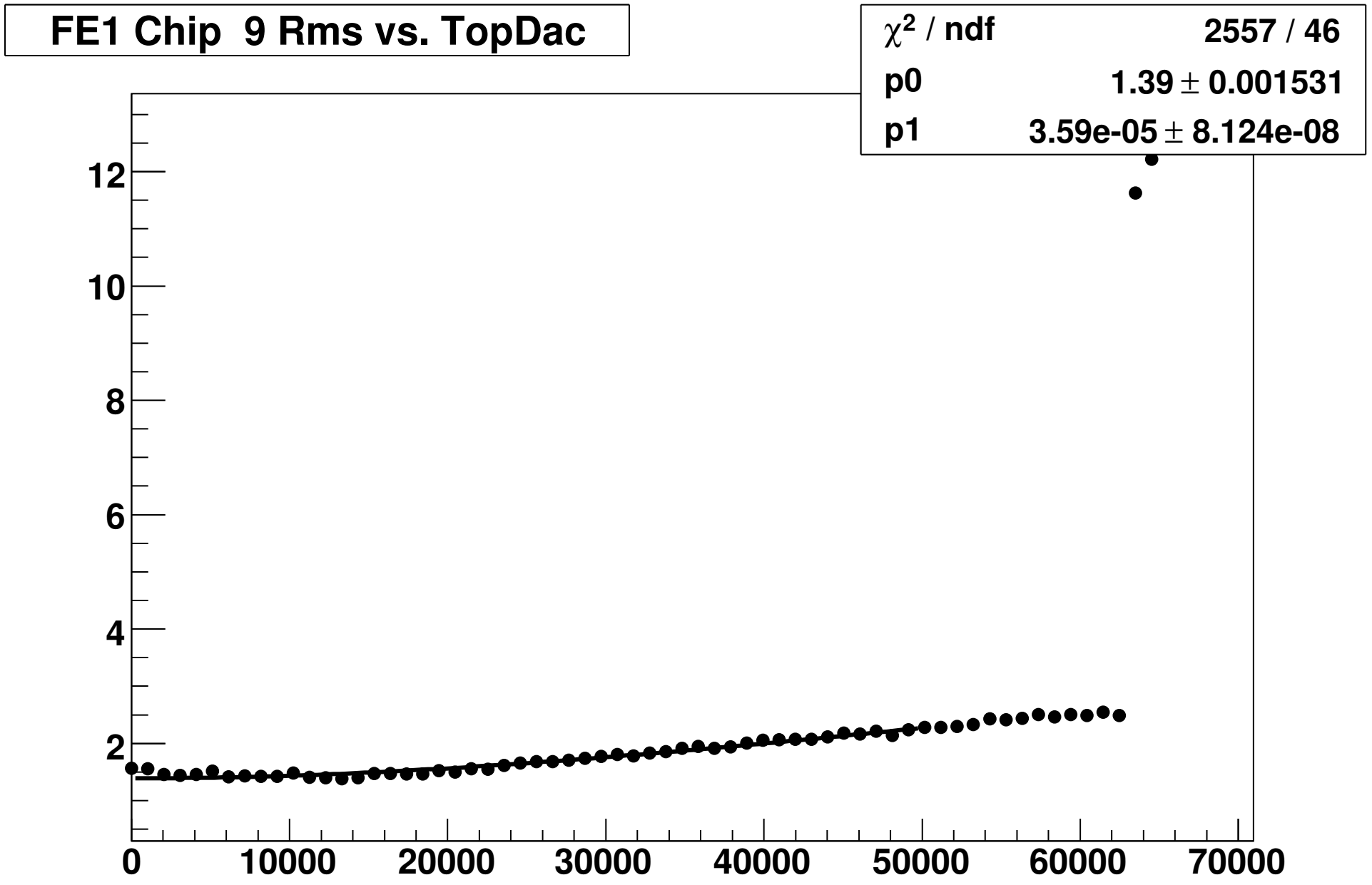

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 2.223e+05 / 46
p0 47.07 ± 0.002715
p1 0.4498 ± 1.081e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

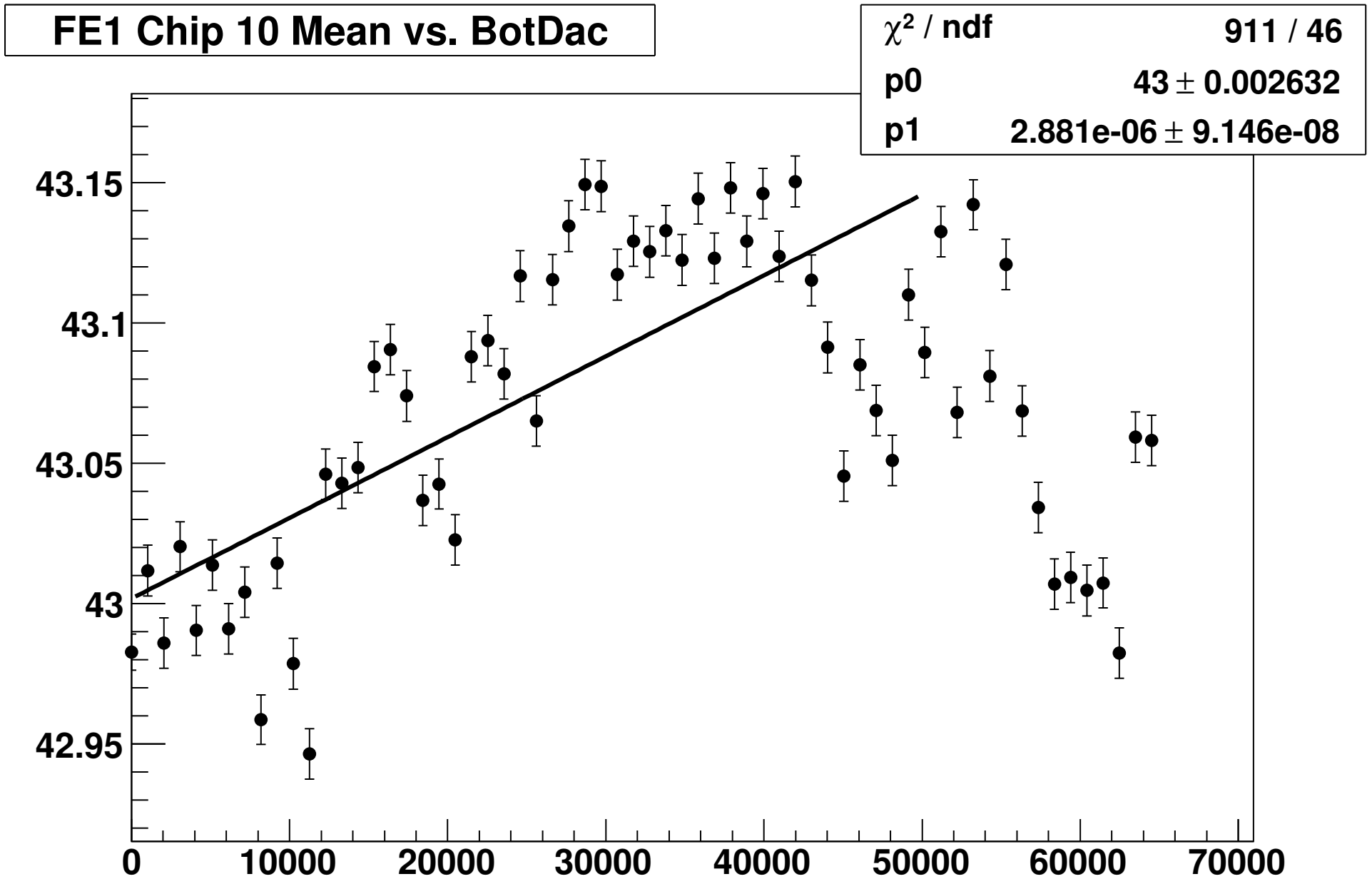

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 2051 / 46
p0 1.385 ± 0.001522
p1 3.523e-05 ± 8.124e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

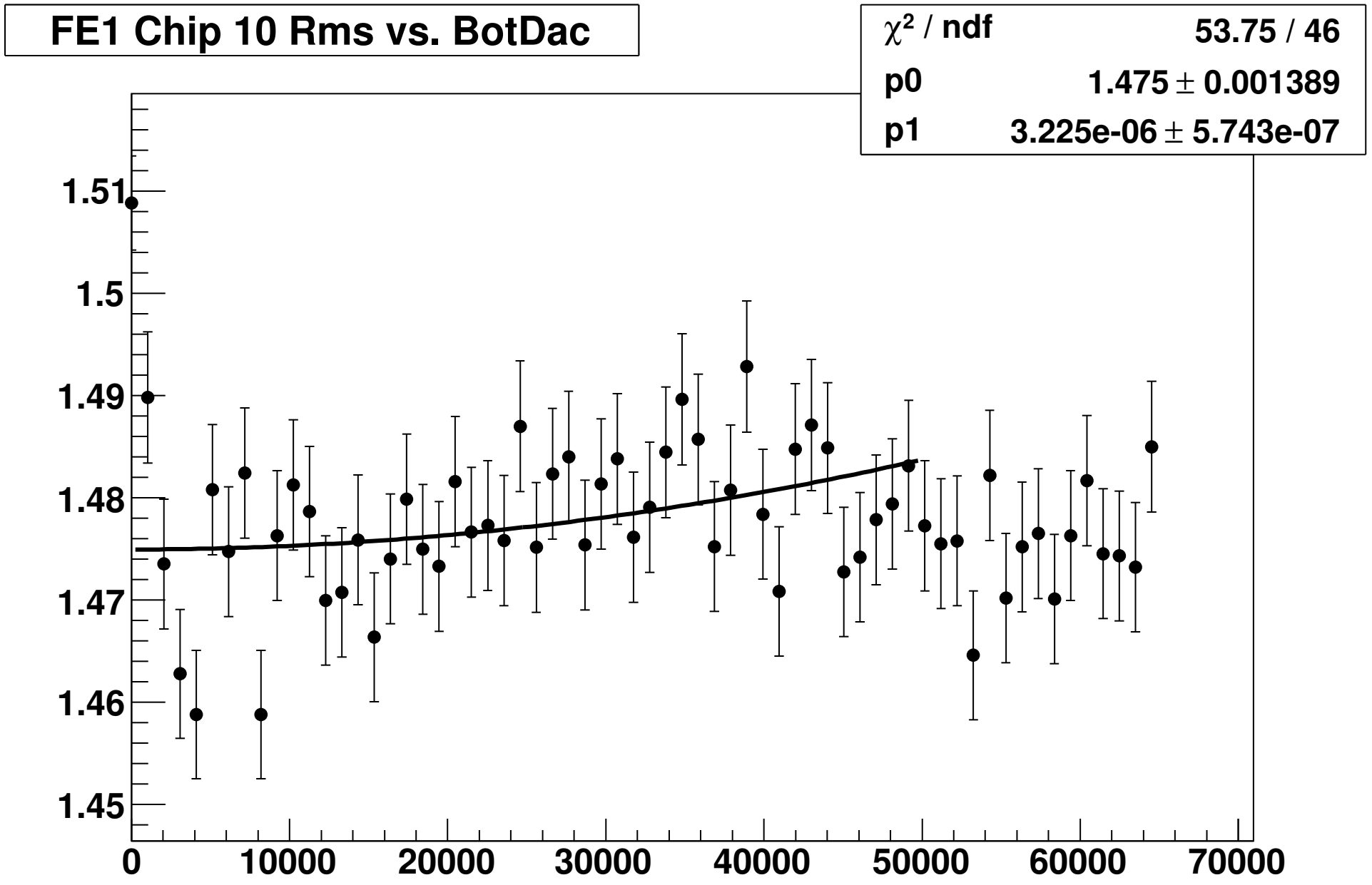

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 817.8 / 46
p0 48.9 ± 0.002794
p1 2.278e-06 ± 9.702e-08
49.05
49
48.95
48.9
48.85
48.8
0
10000
20000
30000
40000
50000
60000
70000

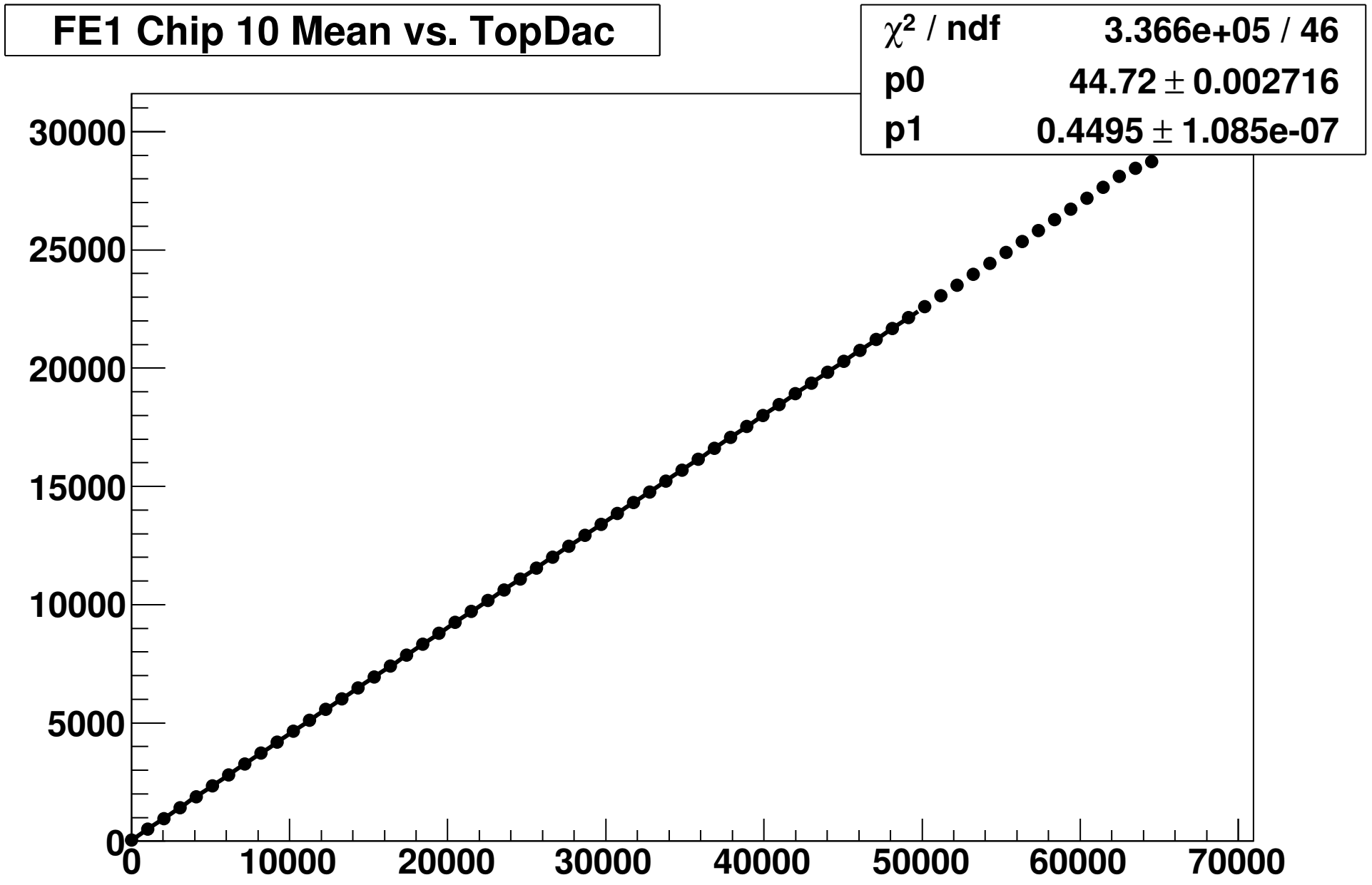

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 45.29 / 46
p0 1.565 ± 0.001466
p1 2.607e-06 ± 7.969e-07
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
70000

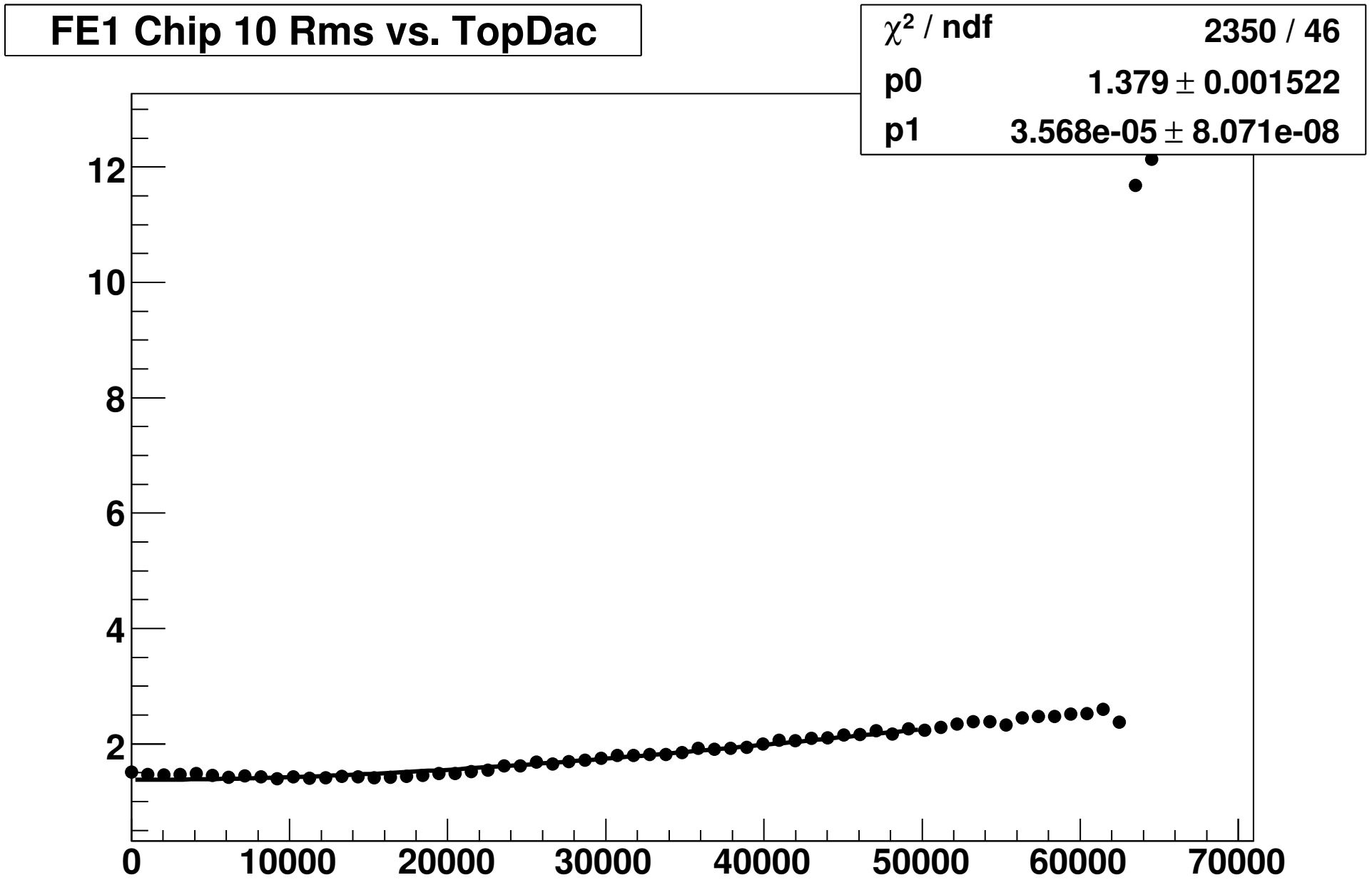

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 2.382e+05 / 46
p0 50.59 ± 0.002729
p1 0.4498 ± 1.09e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

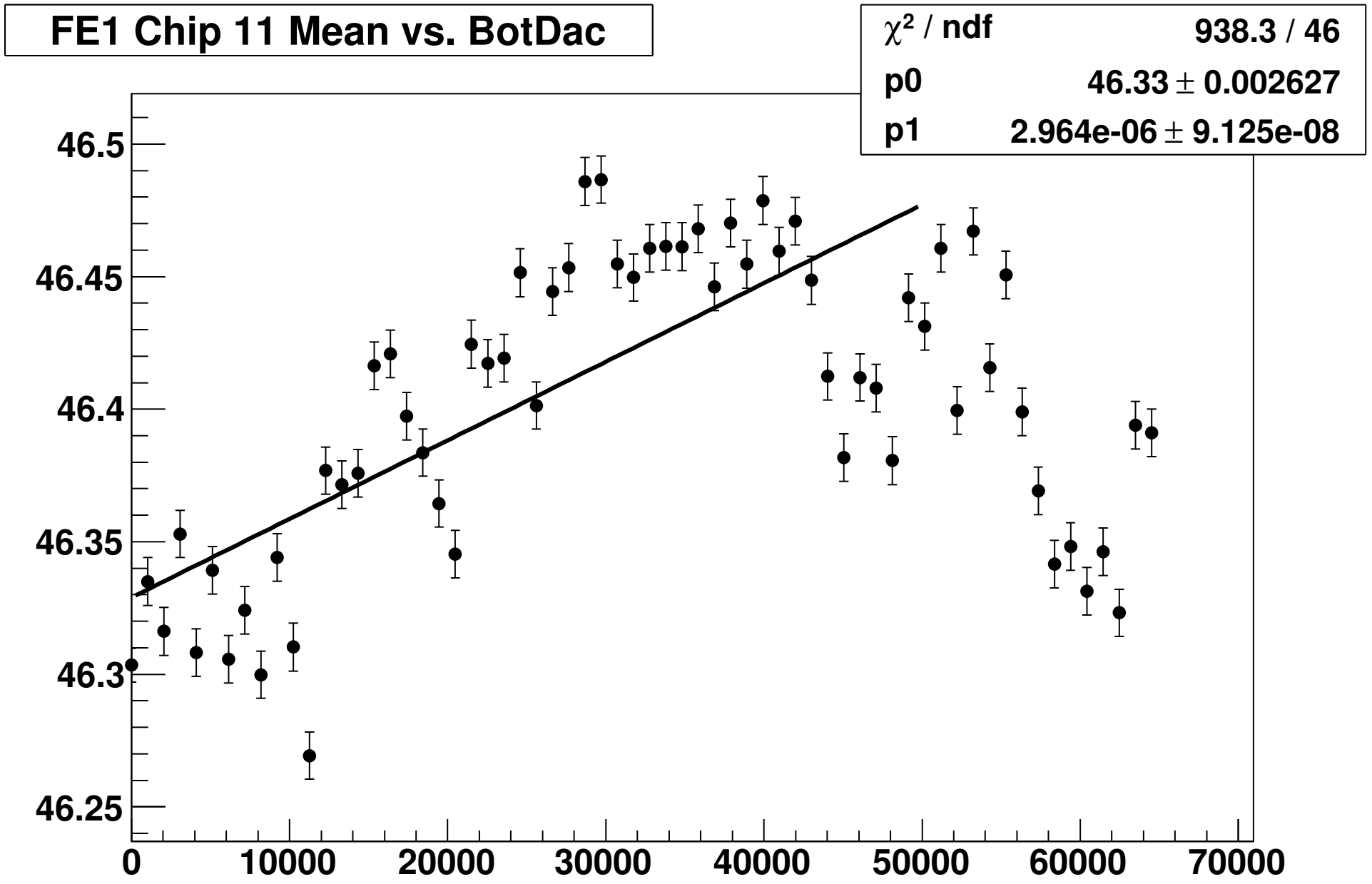

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 2557 / 46
p0 1.39 ± 0.001531
p1 3.59e-05 ± 8.124e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

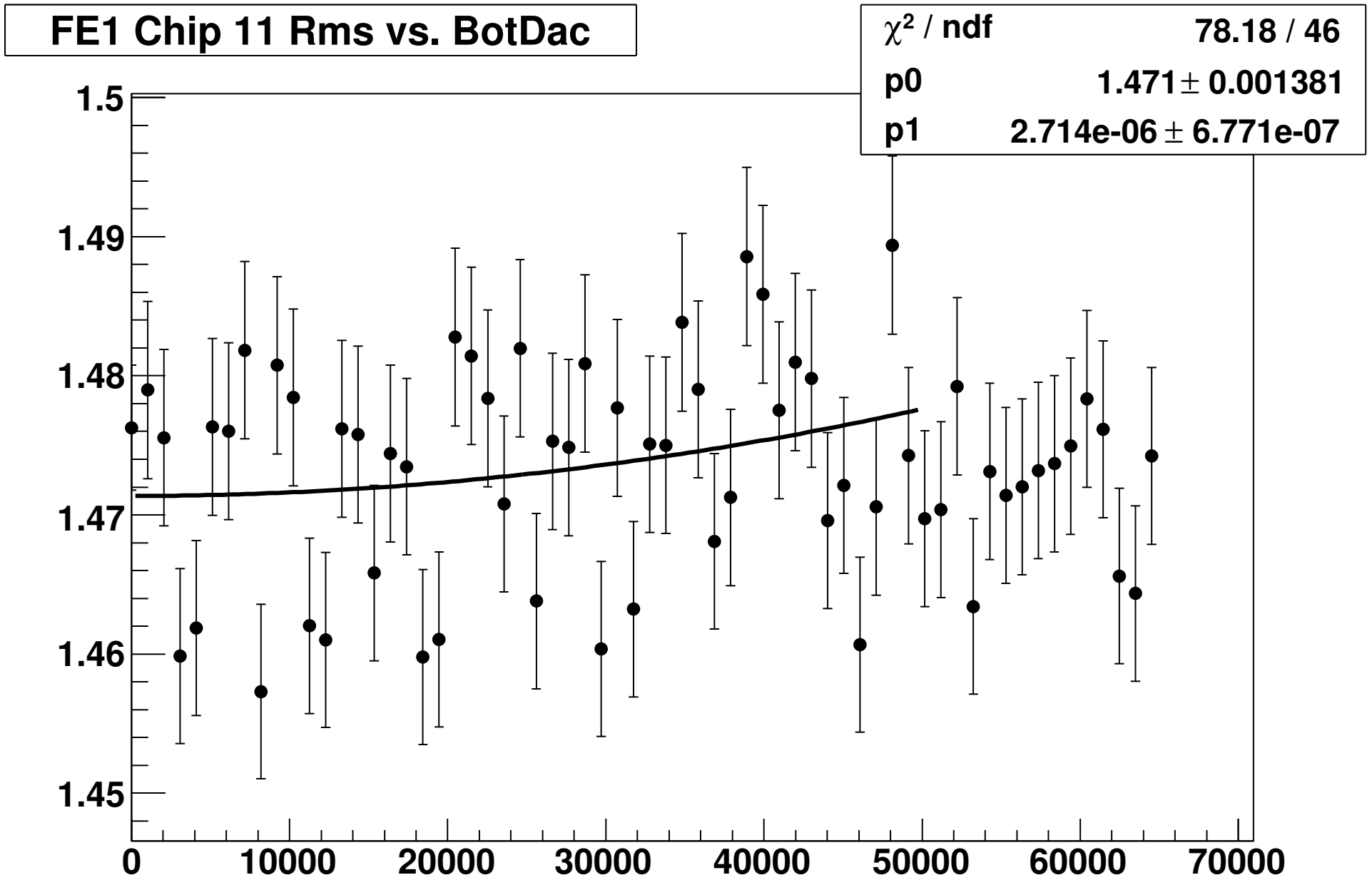

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 911 / 46
p0 43 ± 0.002632
p1 2.881e-06 ± 9.146e-08
43.15
43.1
43.05
43
42.95
0
10000
20000
30000
40000
50000
60000
70000

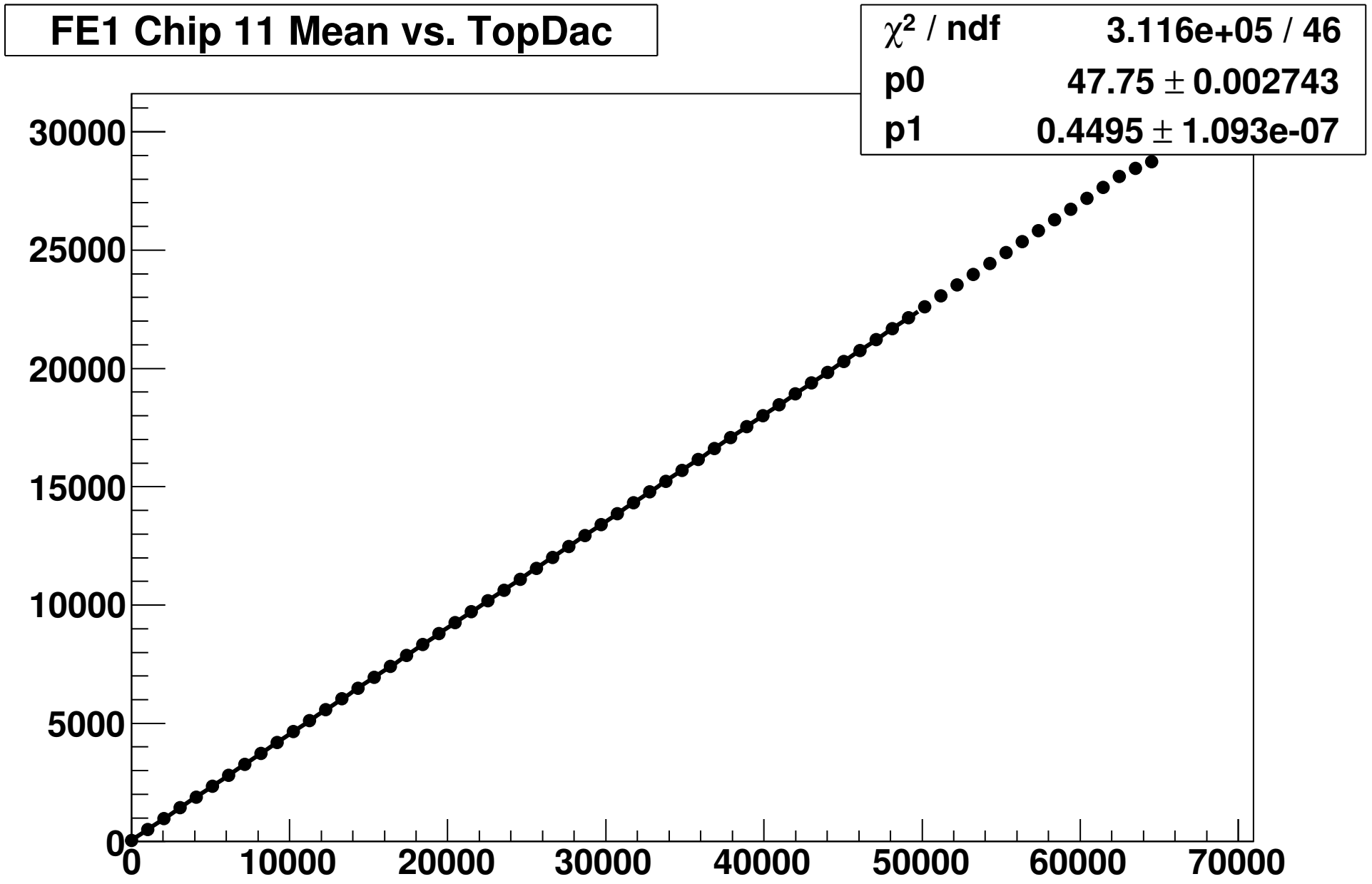

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 53.75 / 46
p0 1.475 ± 0.001389
p1 3.225e-06 ± 5.743e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

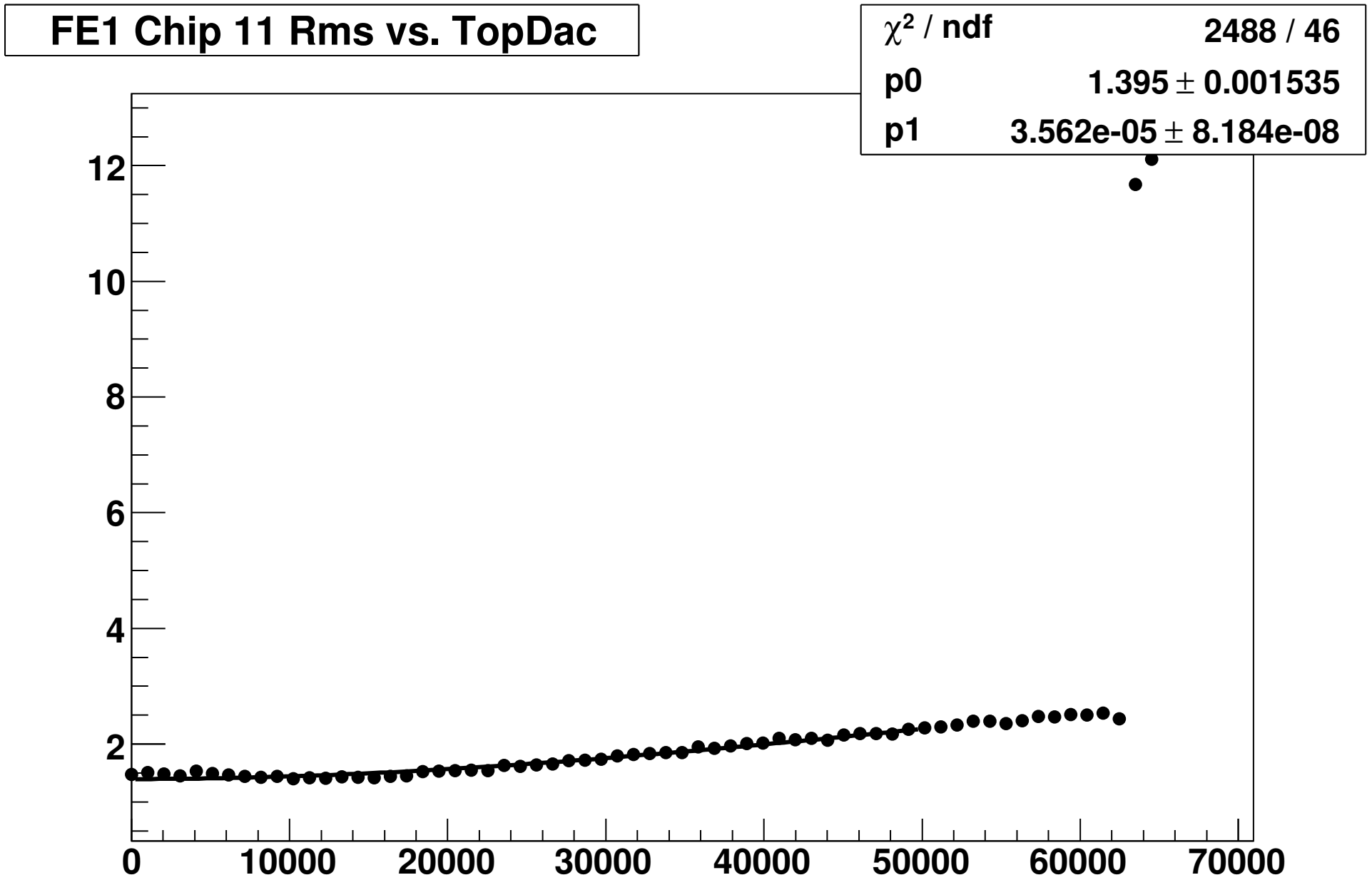

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 3.366e+05 / 46
p0 44.72 ± 0.002716
p1 0.4495 ± 1.085e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

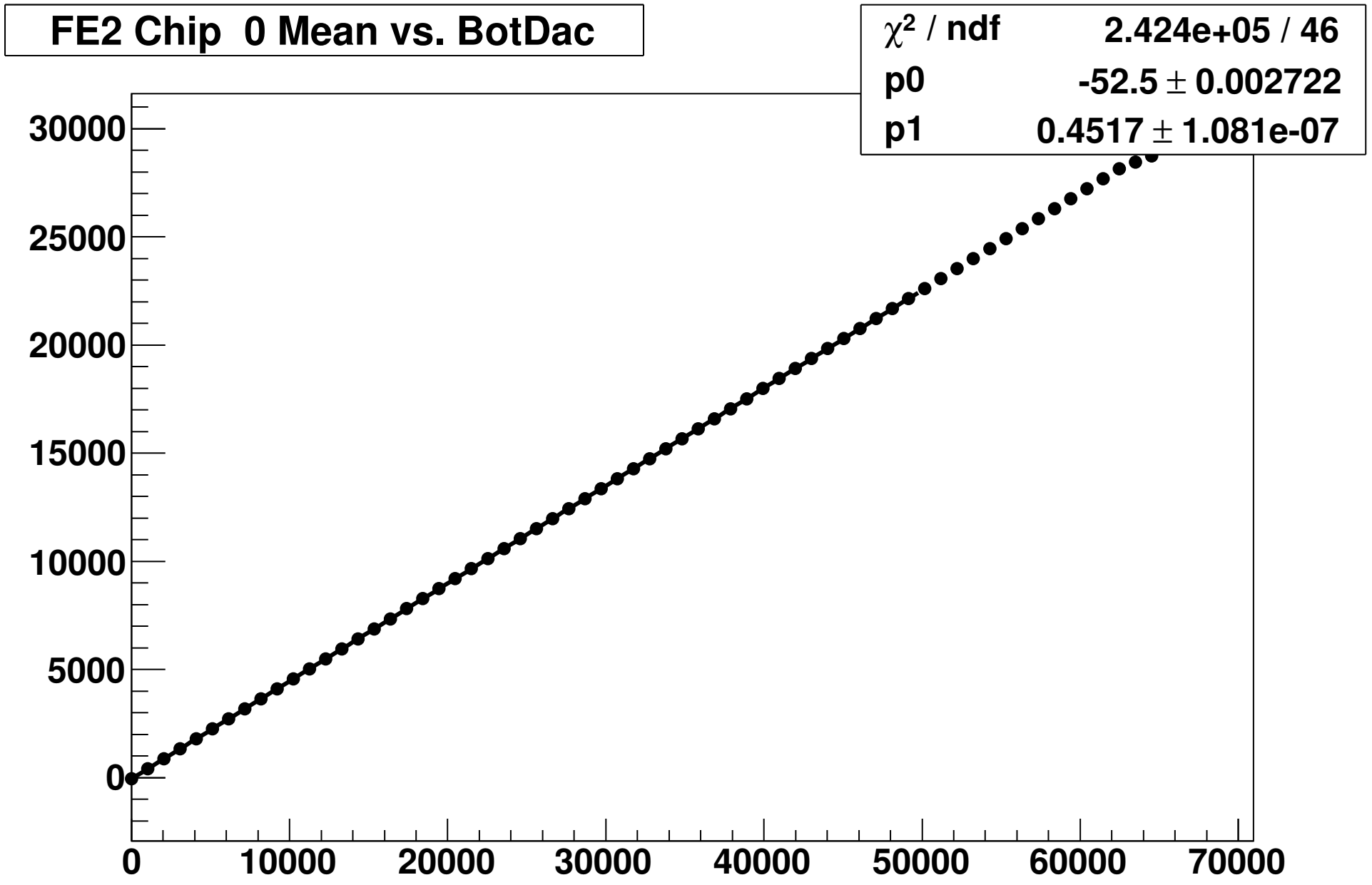

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 2350 / 46
p0 1.379 ± 0.001522
p1 3.568e-05 ± 8.071e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

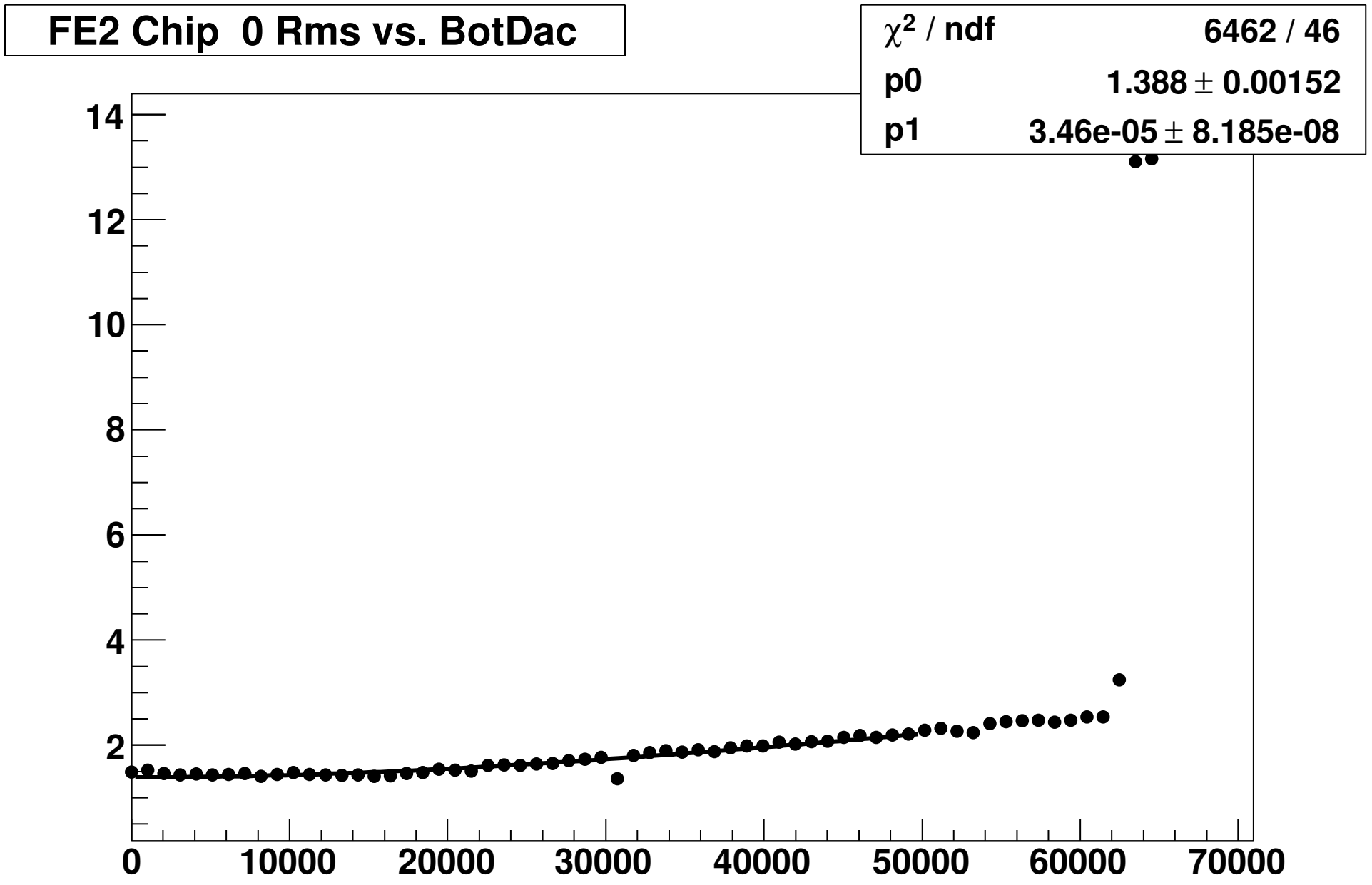

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 938.3 / 46
p0 46.33 ± 0.002627
p1 2.964e-06 ± 9.125e-08
46.5
46.45
46.4
46.35
46.3
46.25
0
10000
20000
30000
40000
50000
60000
70000

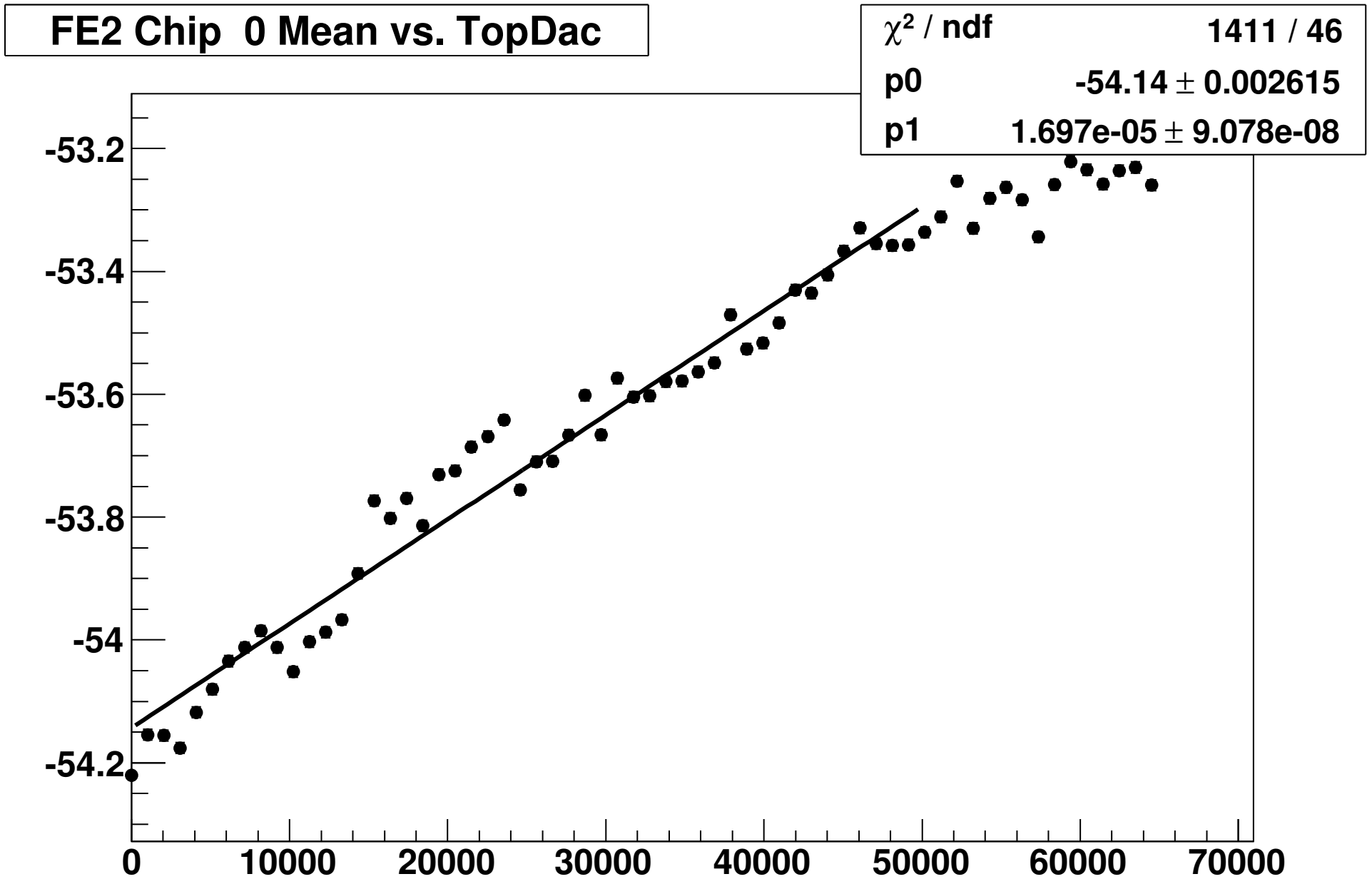

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 78.18 / 46
p0 1.471 ± 0.001381
p1 2.714e-06 ± 6.771e-07
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 3.116e+05 / 46
p0 47.75 ± 0.002743
p1 0.4495 ± 1.093e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 2488 / 46
p0 1.395 ± 0.001535
p1 3.562e-05 ± 8.184e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 2.424e+05 / 46
p0 -52.5 ± 0.002722
p1 0.4517 ± 1.081e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 6462 / 46
p0 1.388 ± 0.00152
p1 3.46e-05 ± 8.185e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 1411 / 46
p0 -54.14 ± 0.002615
p1 1.697e-05 ± 9.078e-08
-53.2
-53.4
-53.6
-53.8
-54
-54.2
0
10000
20000
30000
40000
50000
60000
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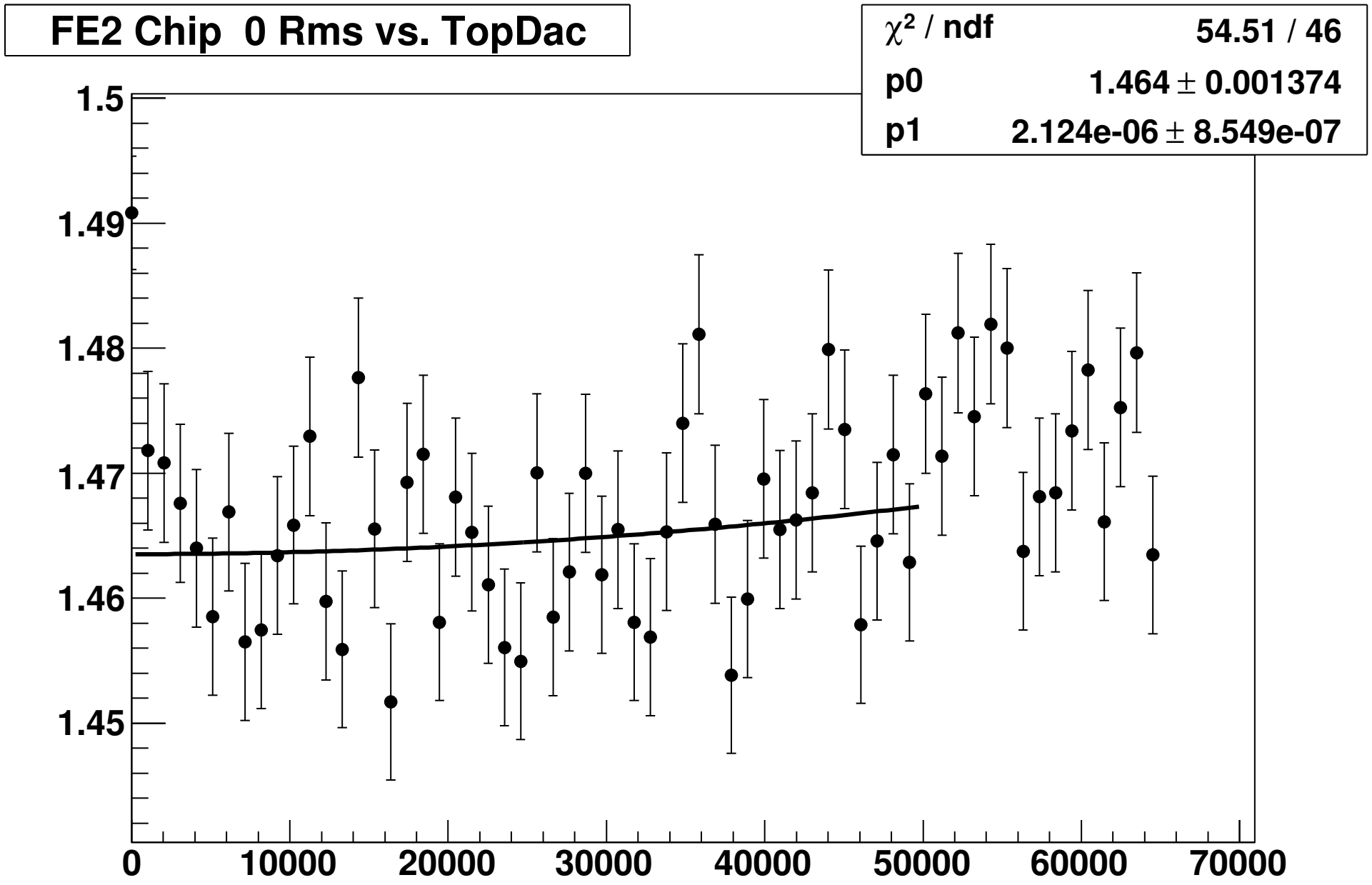
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 54.51 / 46
p0 1.464 ± 0.001374
p1 2.124e-06 ± 8.549e-07
1.5
1.49
1.48
1.47
1.46
1.45
0
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30000
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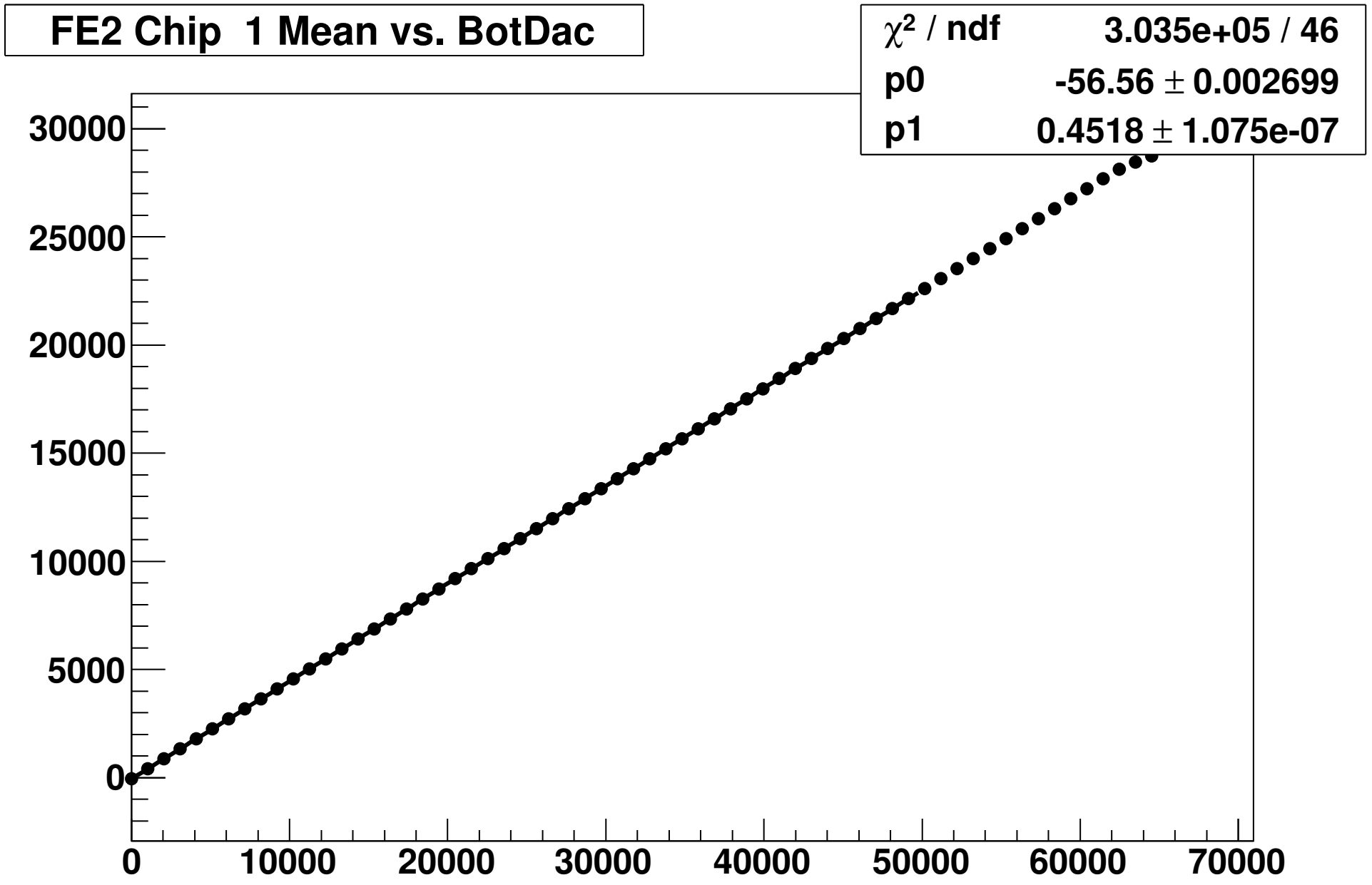
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 3.035e+05 / 46
p0 -56.56 ± 0.002699
p1 0.4518 ± 1.075e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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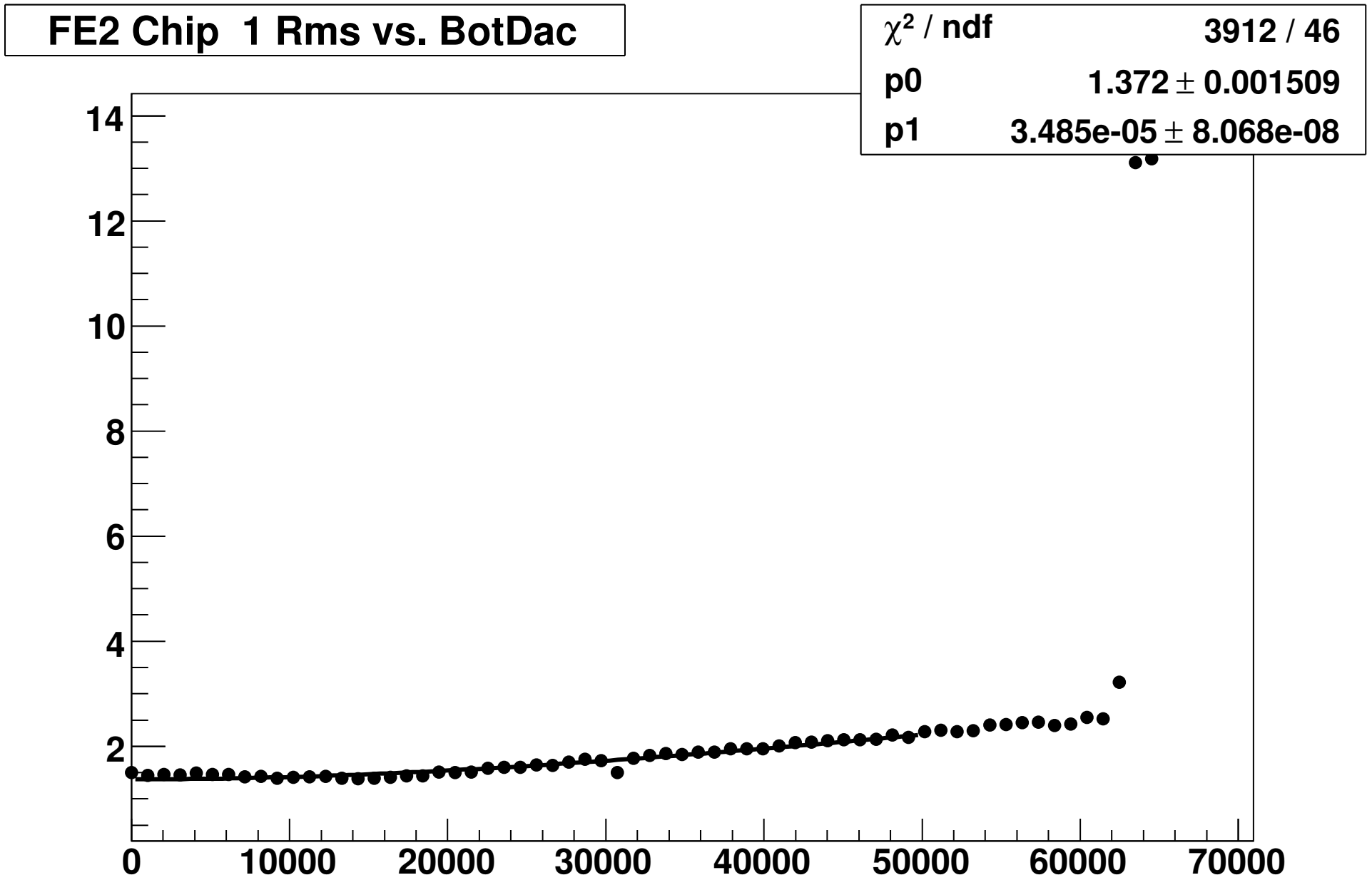
FE2 Chip 1 Rms vs. BotDac
χ² / ndf 3912 / 46
p0 1.372 ± 0.001509
p1 3.485e-05 ± 8.068e-08
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12
10
8
6
4
2
0
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20000
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40000
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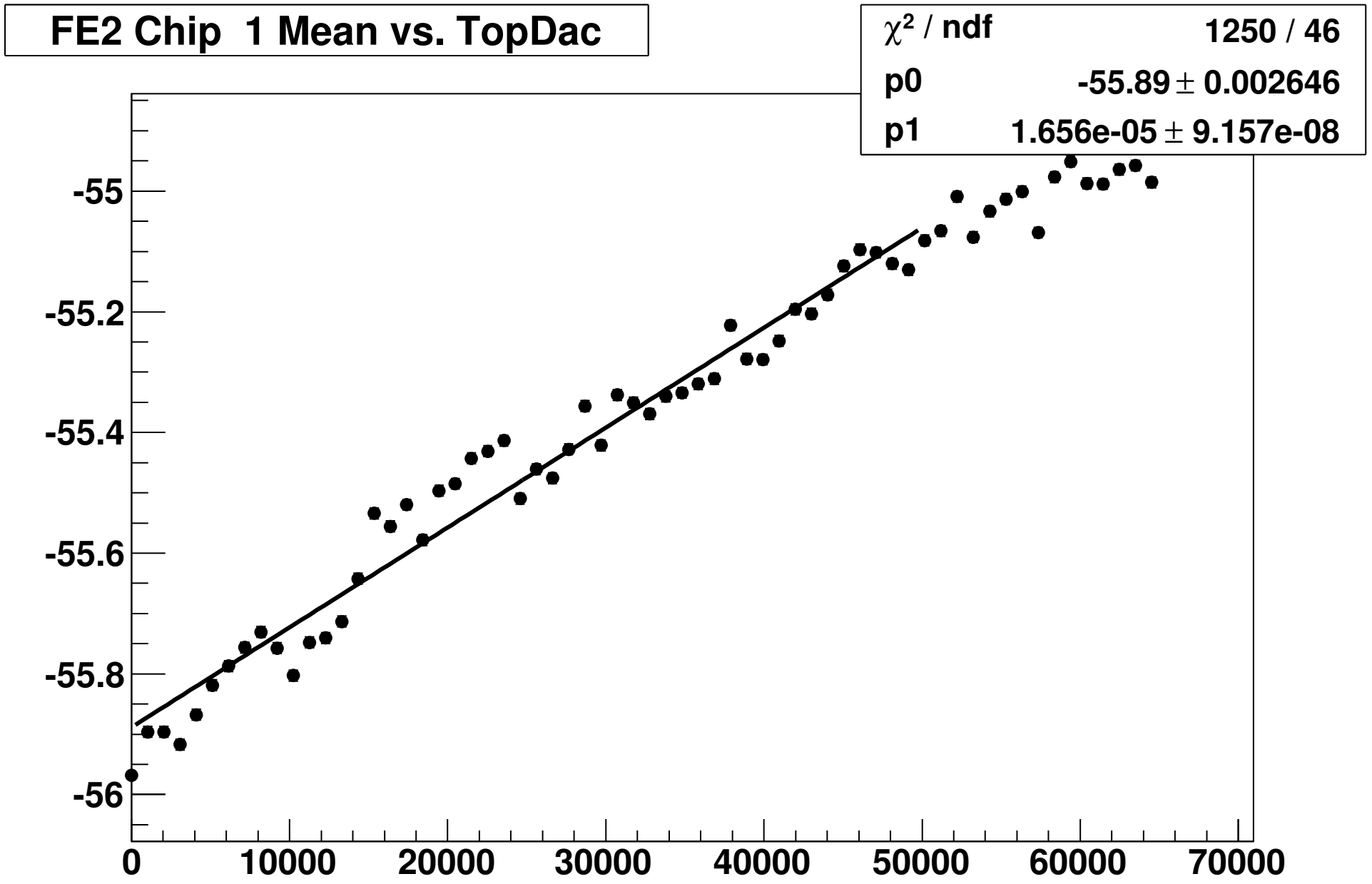
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 1250 / 46
p0 -55.89 ± 0.002646
p1 1.656e-05 ± 9.157e-08
-55
-55.2
-55.4
-55.6
-55.8
-56
0
10000
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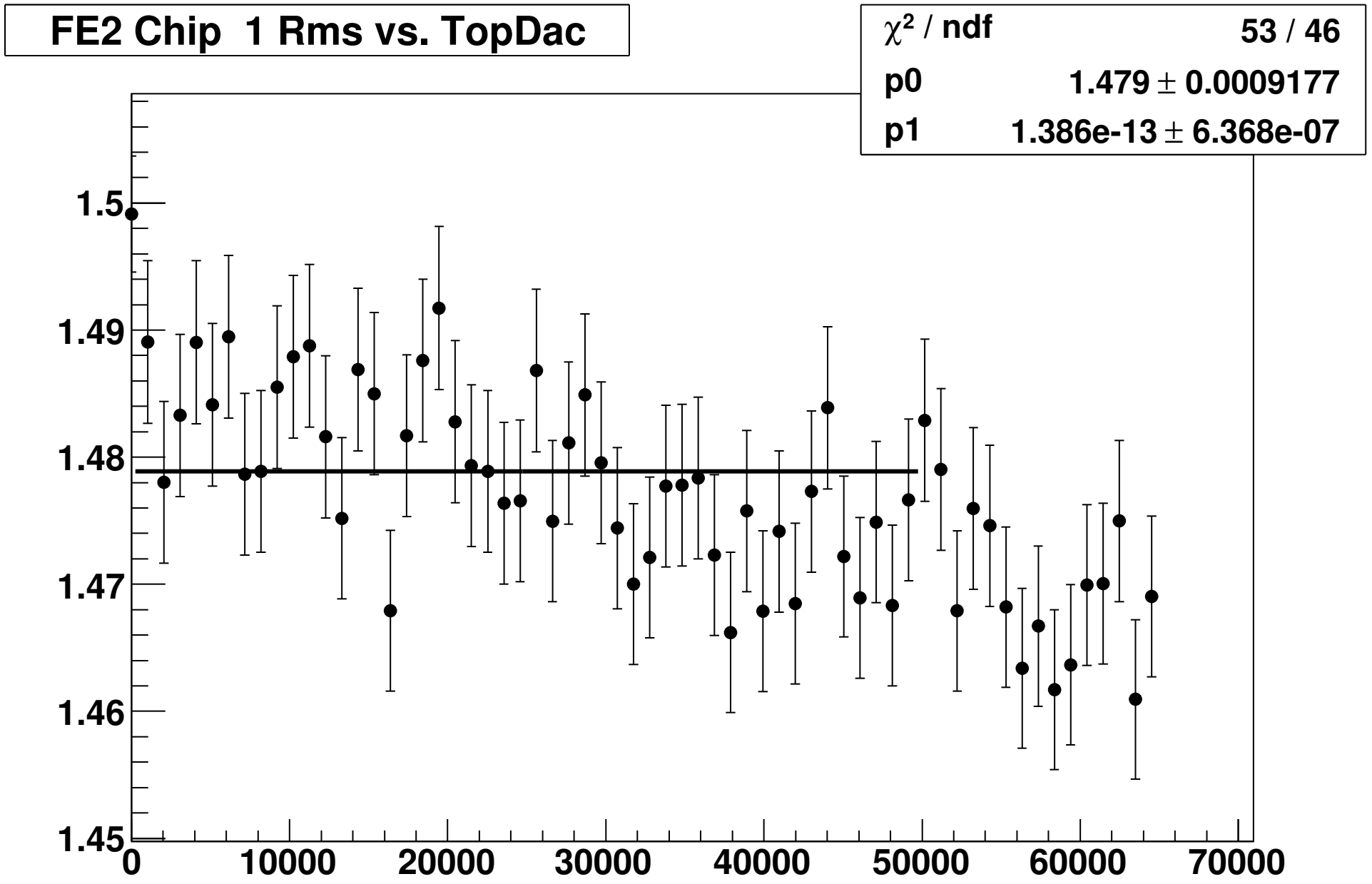
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 53 / 46
p0 1.479 ± 0.0009177
p1 1.386e-13 ± 6.368e-07
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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50000
60000
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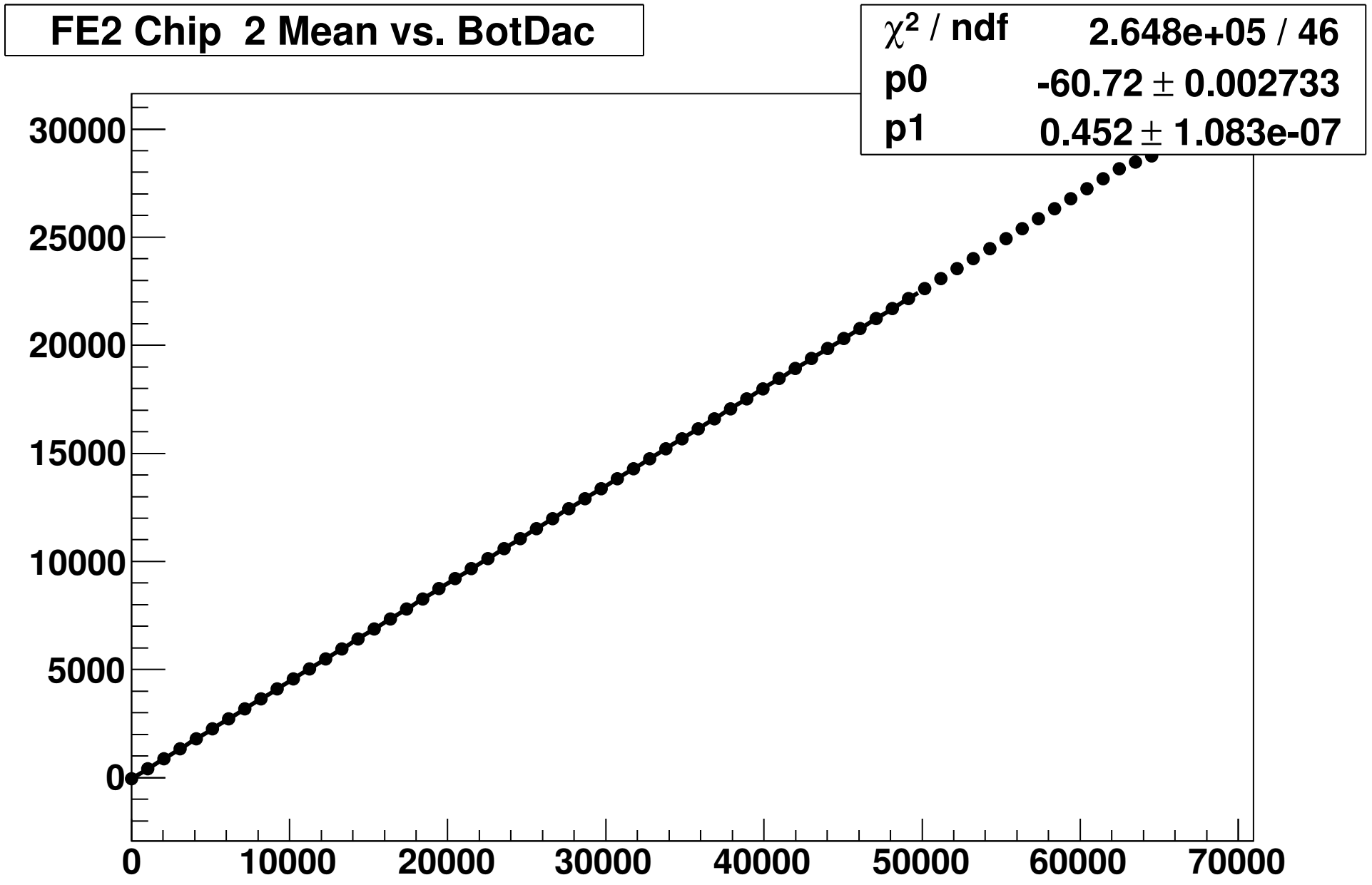
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 2.648e+05 / 46
p0 -60.72 ± 0.002733
p1 0.452 ± 1.083e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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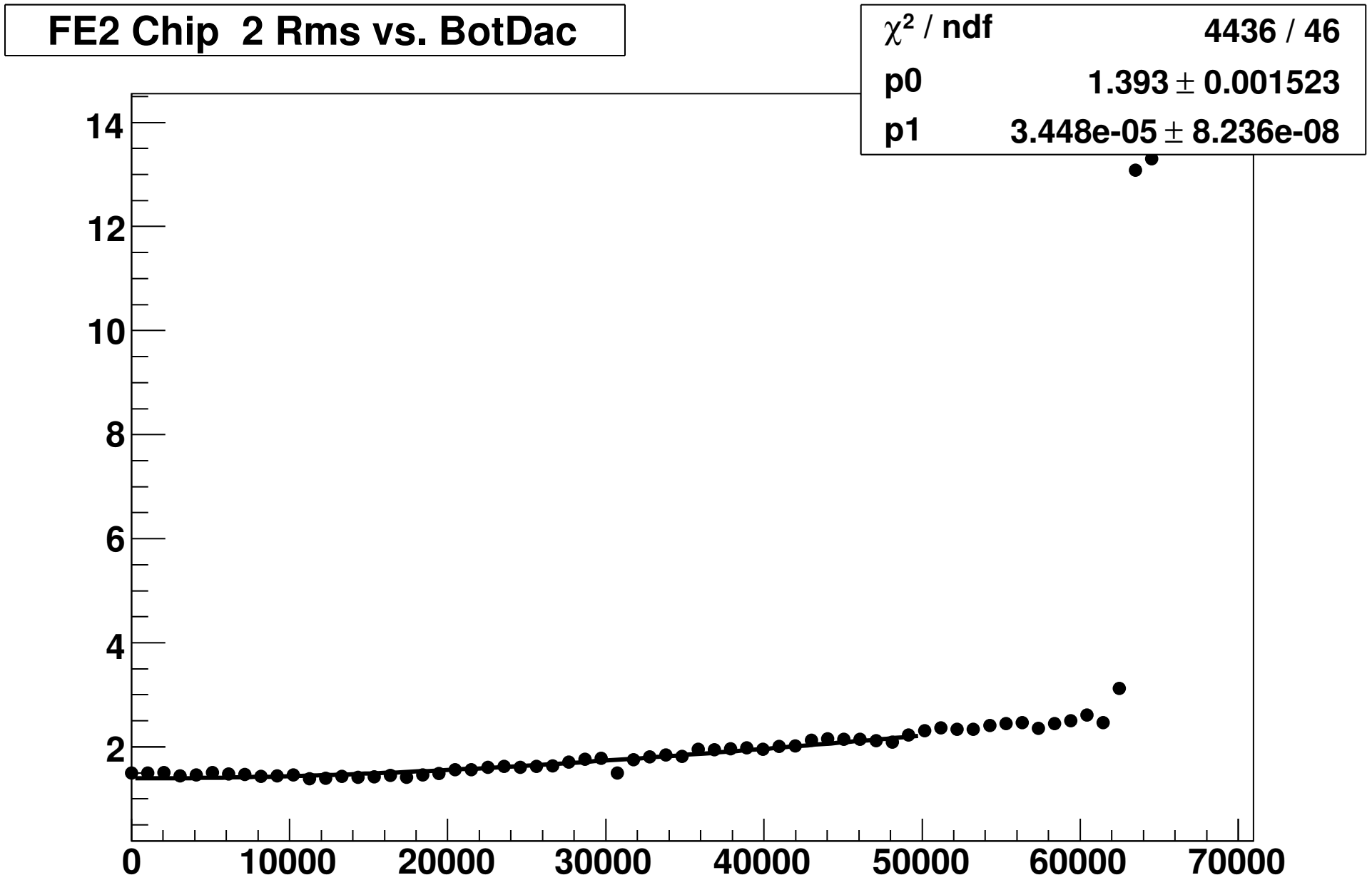
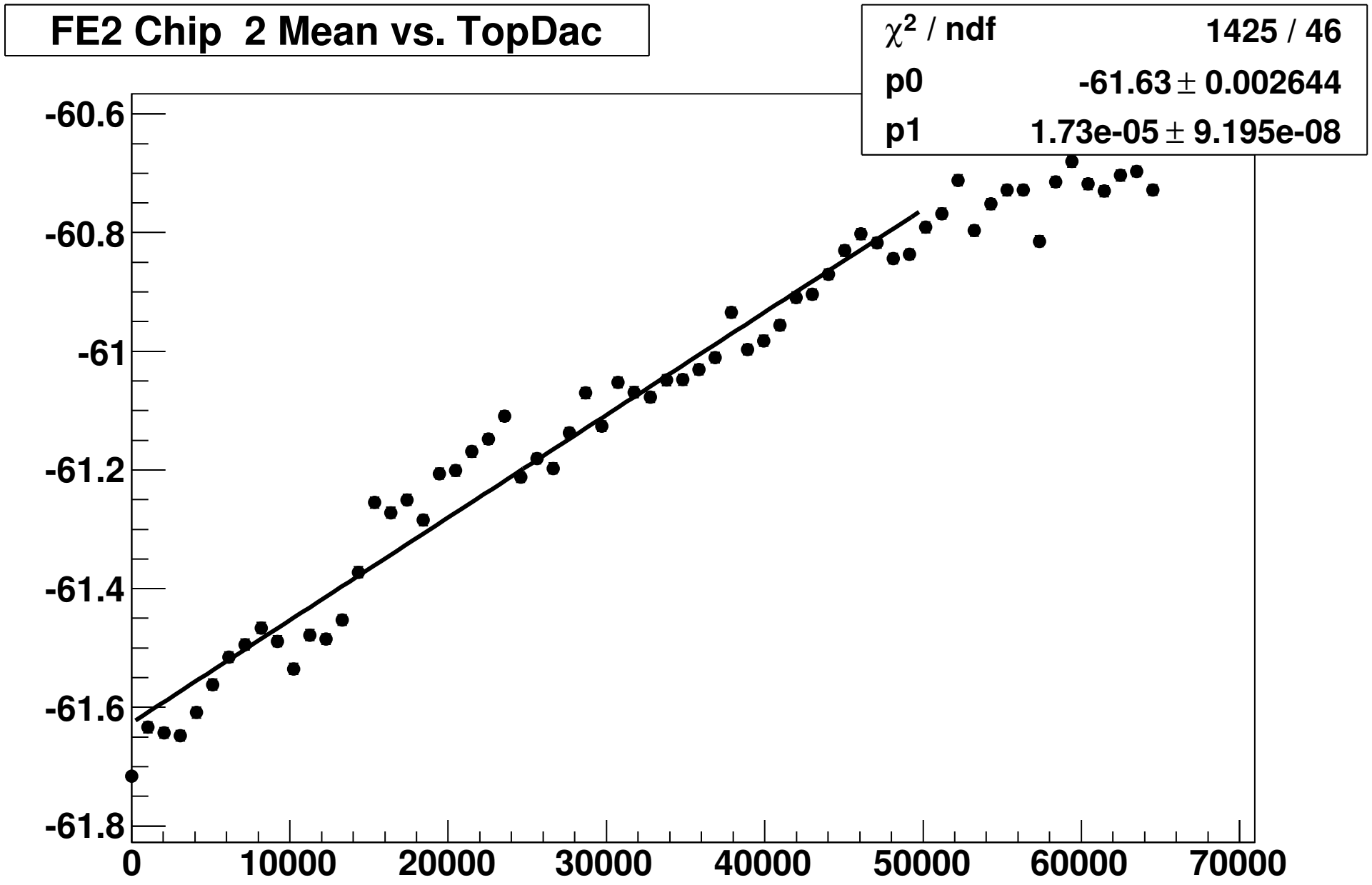

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 4436 / 46
p0 1.393 ± 0.001523
p1 3.448e-05 ± 8.236e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 1425 / 46
p0 -61.63 ± 0.002644
p1 1.73e-05 ± 9.195e-08
-60.6
-60.8
-61
-61.2
-61.4
-61.6
-61.8
0
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20000
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40000
50000
60000
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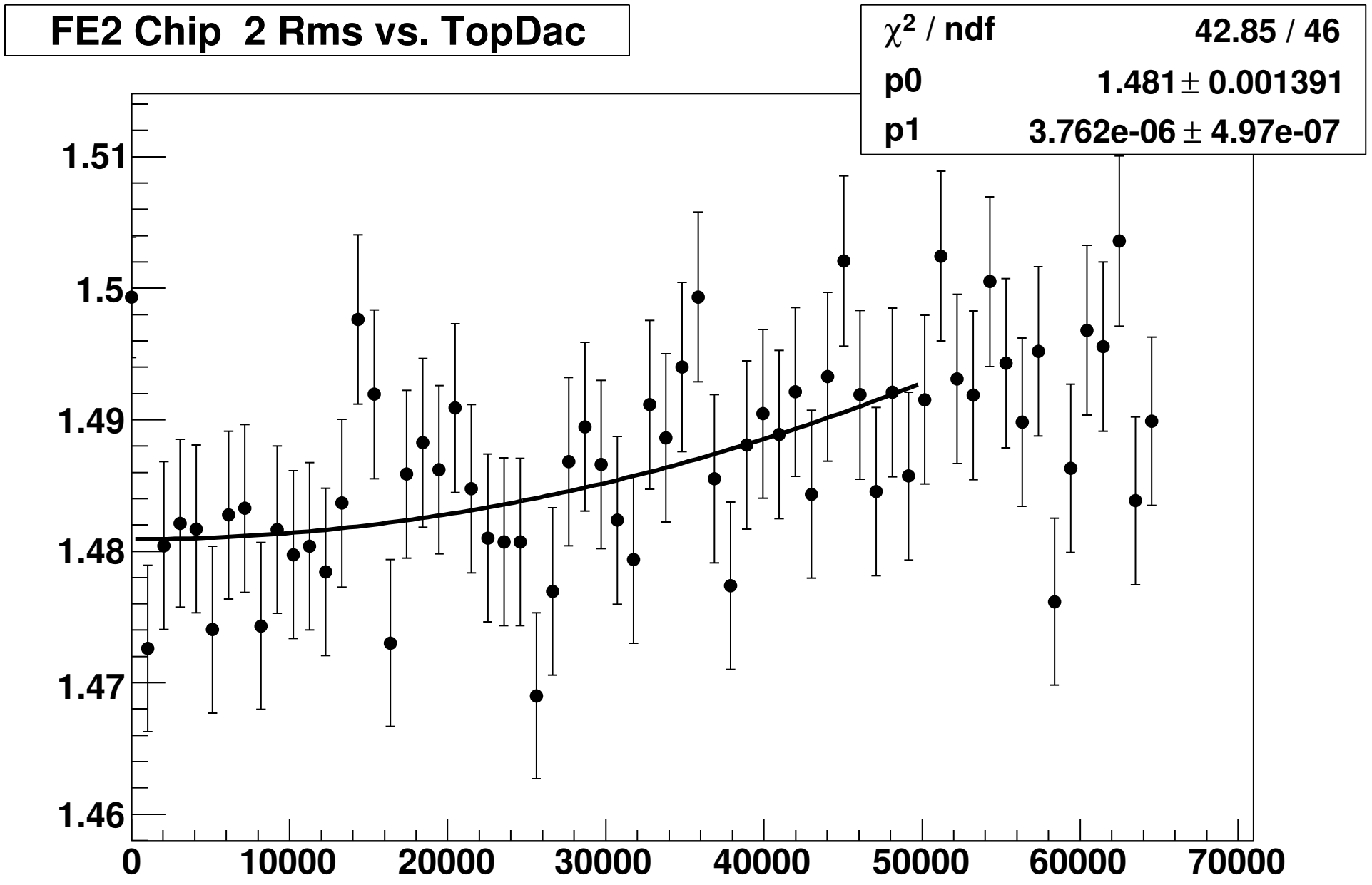
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 42.85 / 46
p0 1.481 ± 0.001391
p1 3.762e-06 ± 4.97e-07
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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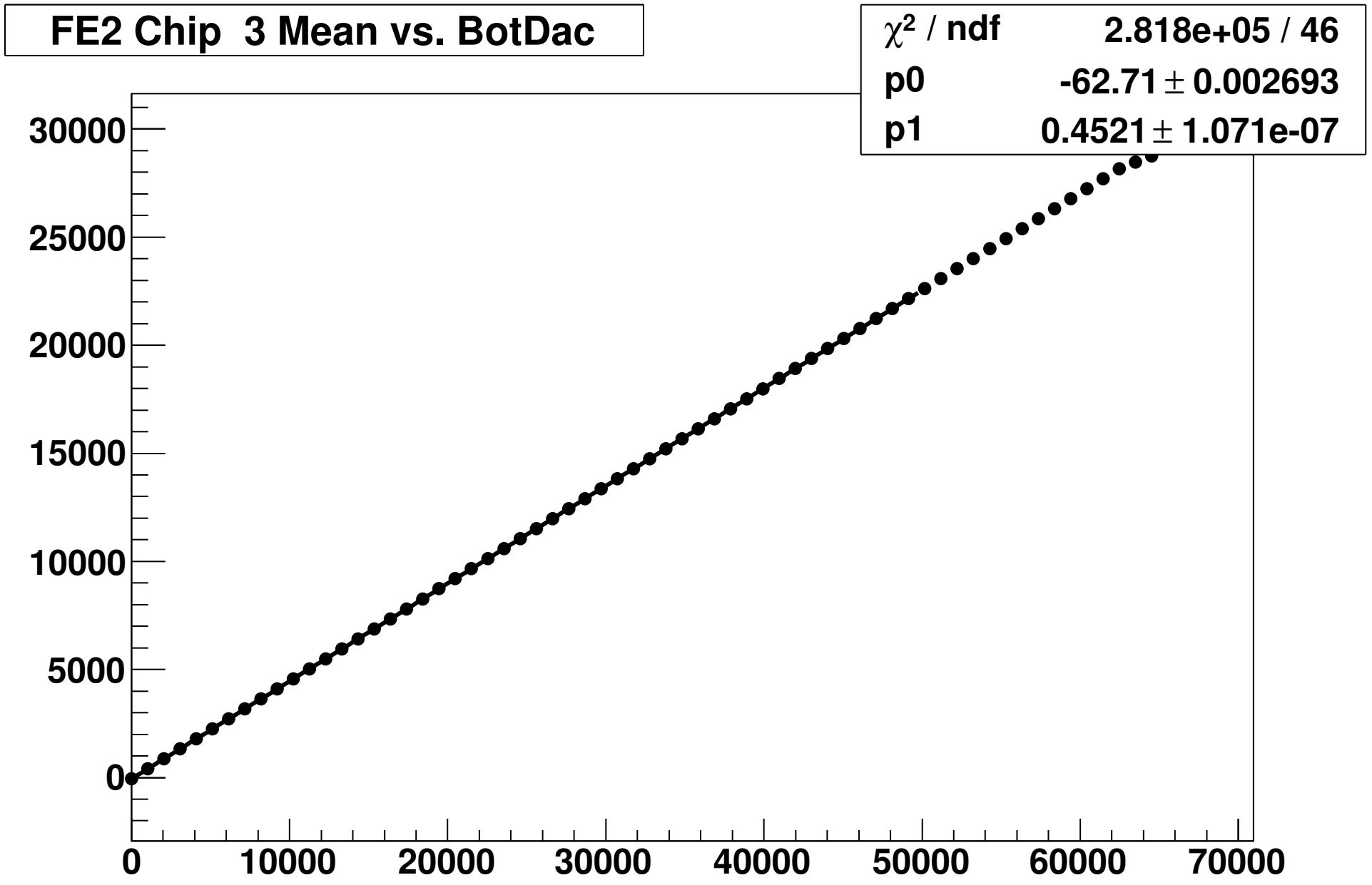
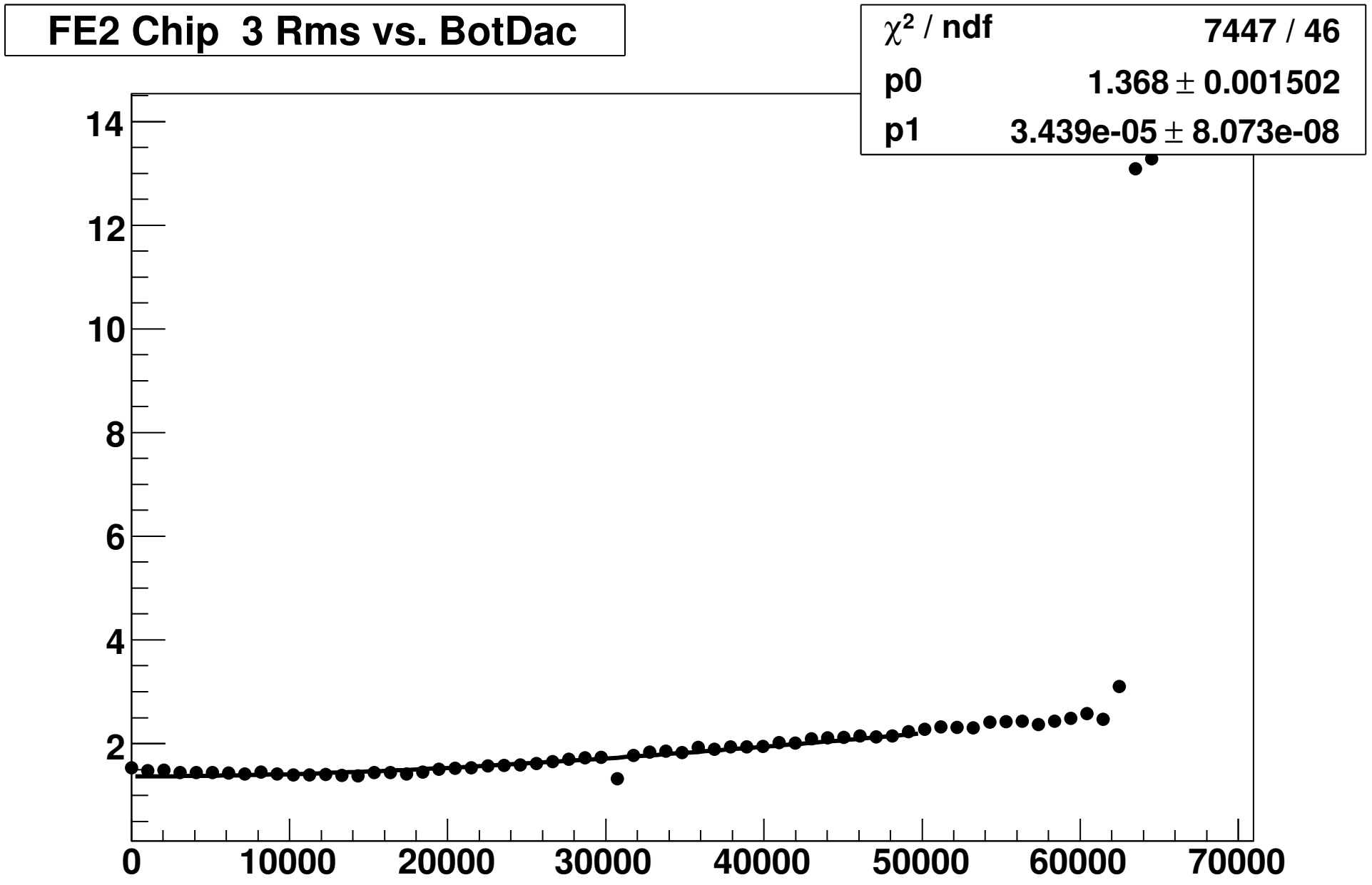
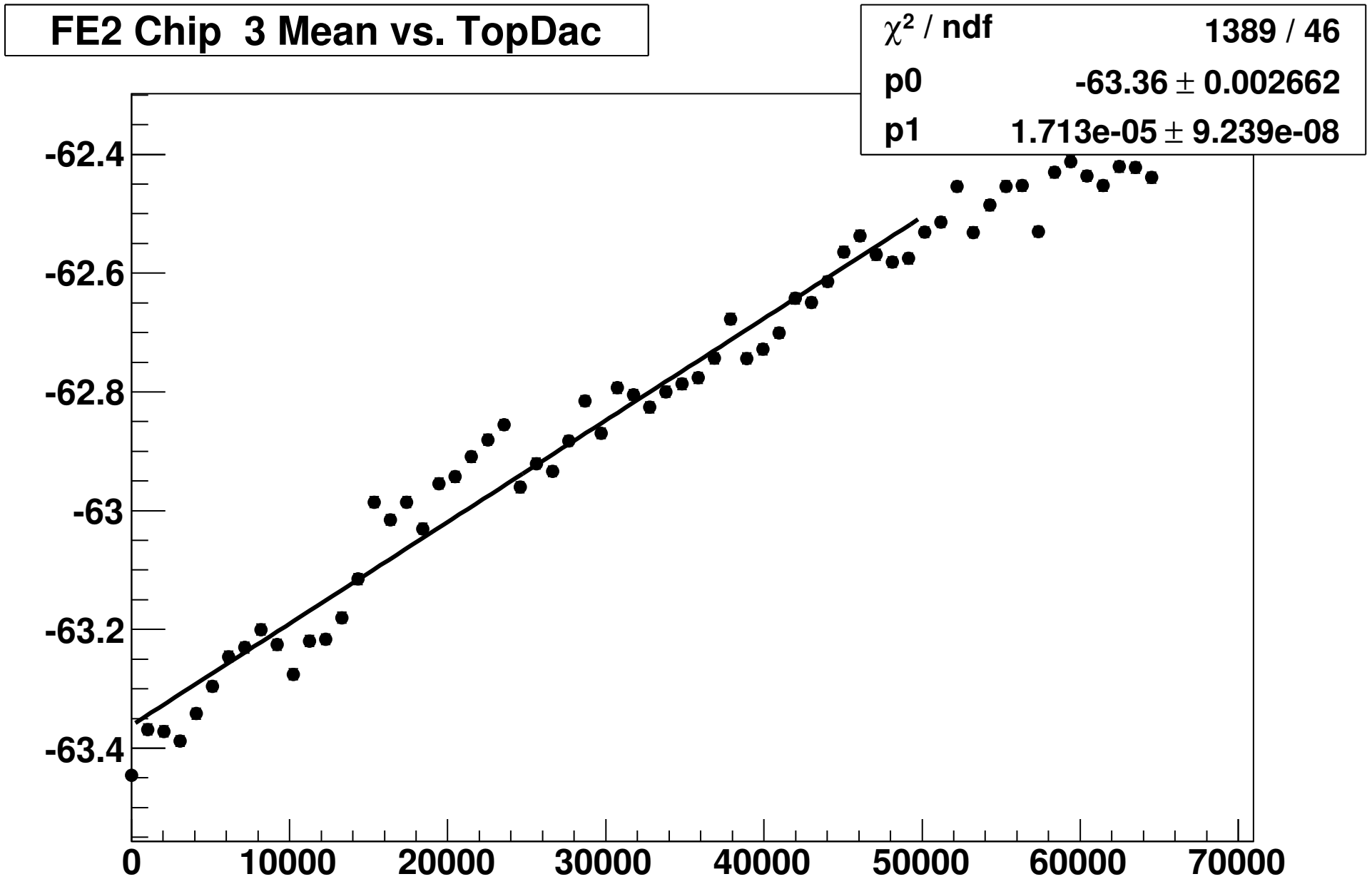
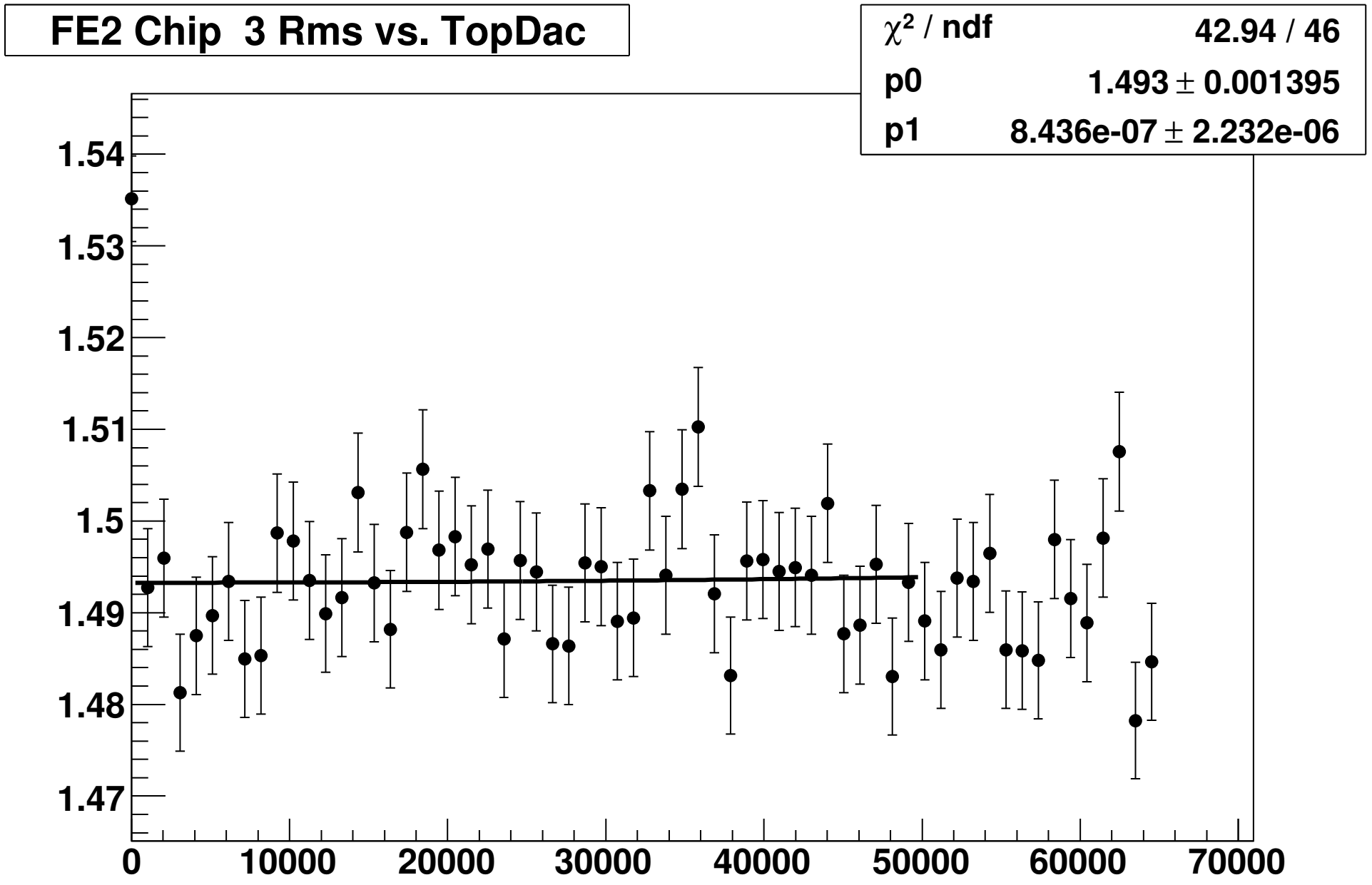
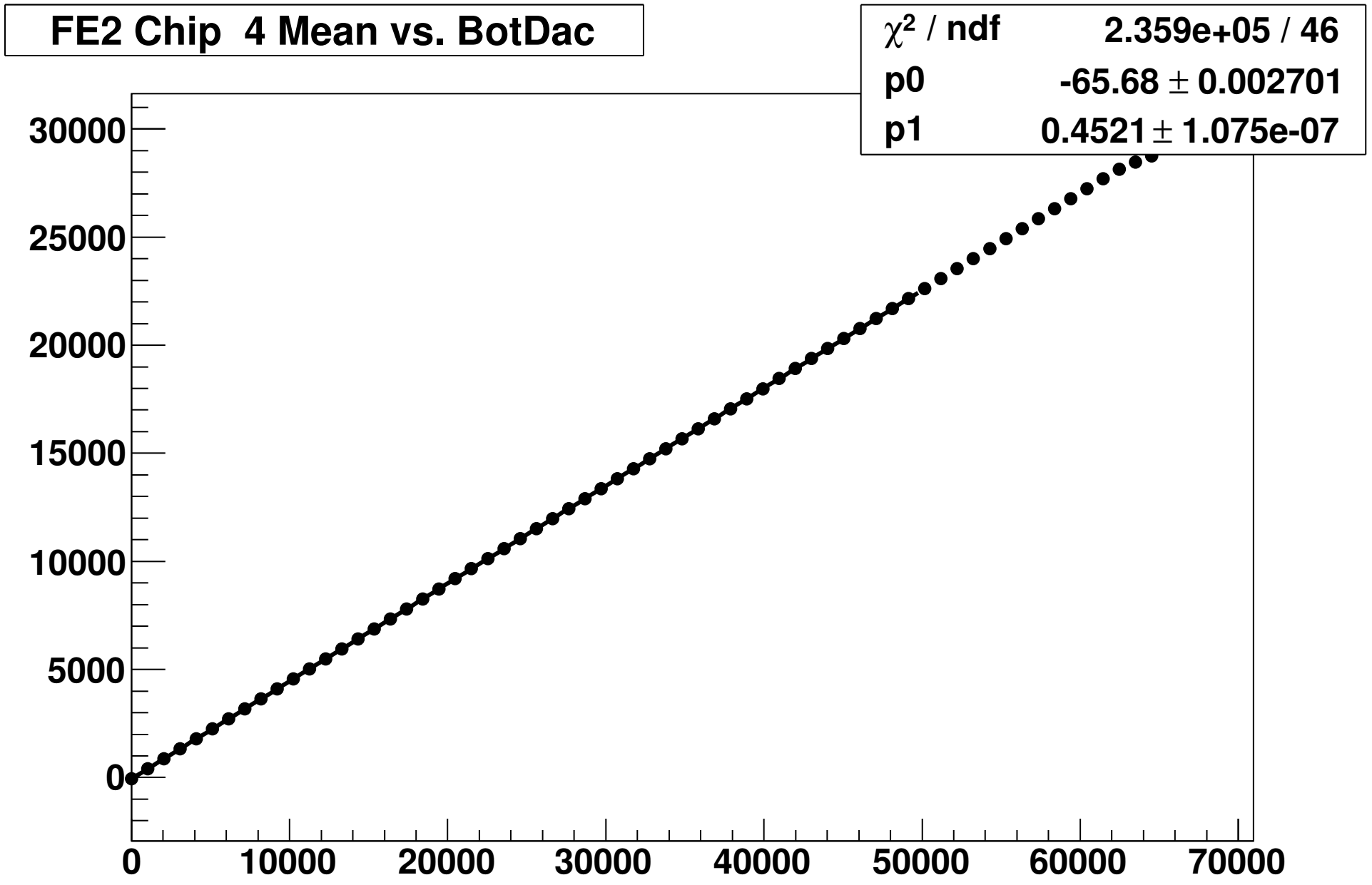
40000
50000
60000
70000

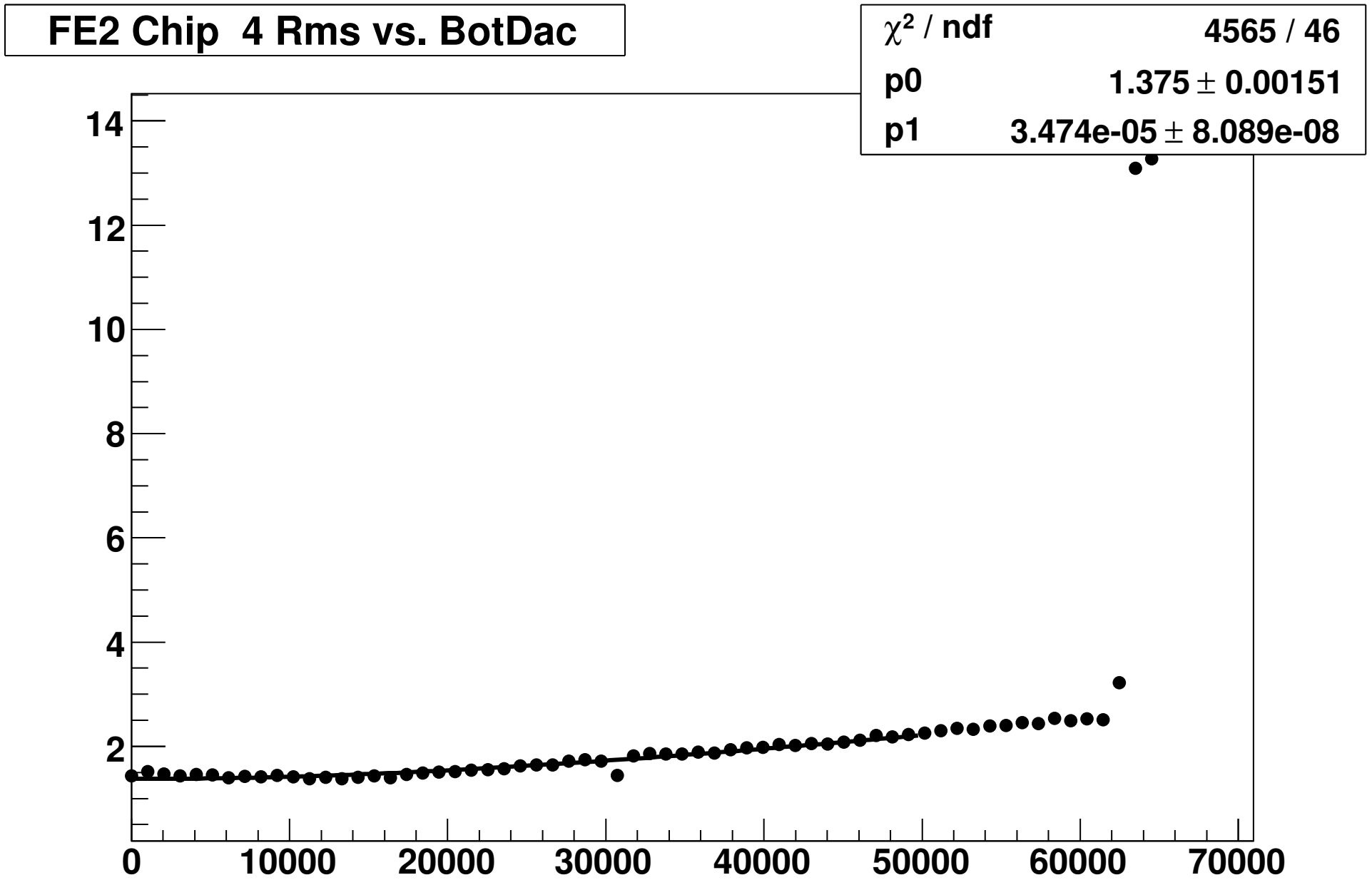

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 2.818e+05 / 46
p0 -62.71 ± 0.002693
p1 0.4521 ± 1.071e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 7447 / 46
p0 1.368 ± 0.001502
p1 3.439e-05 ± 8.073e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 1389 / 46
p0 -63.36 ± 0.002662
p1 1.713e-05 ± 9.239e-08
-62.4
-62.6
-62.8
-63
-63.2
-63.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 42.94 / 46
p0 1.493 ± 0.001395
p1 8.436e-07 ± 2.232e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 2.359e+05 / 46
p0 -65.68 ± 0.002701
p1 0.4521 ± 1.075e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 4565 / 46
p0 1.375 ± 0.00151
p1 3.474e-05 ± 8.089e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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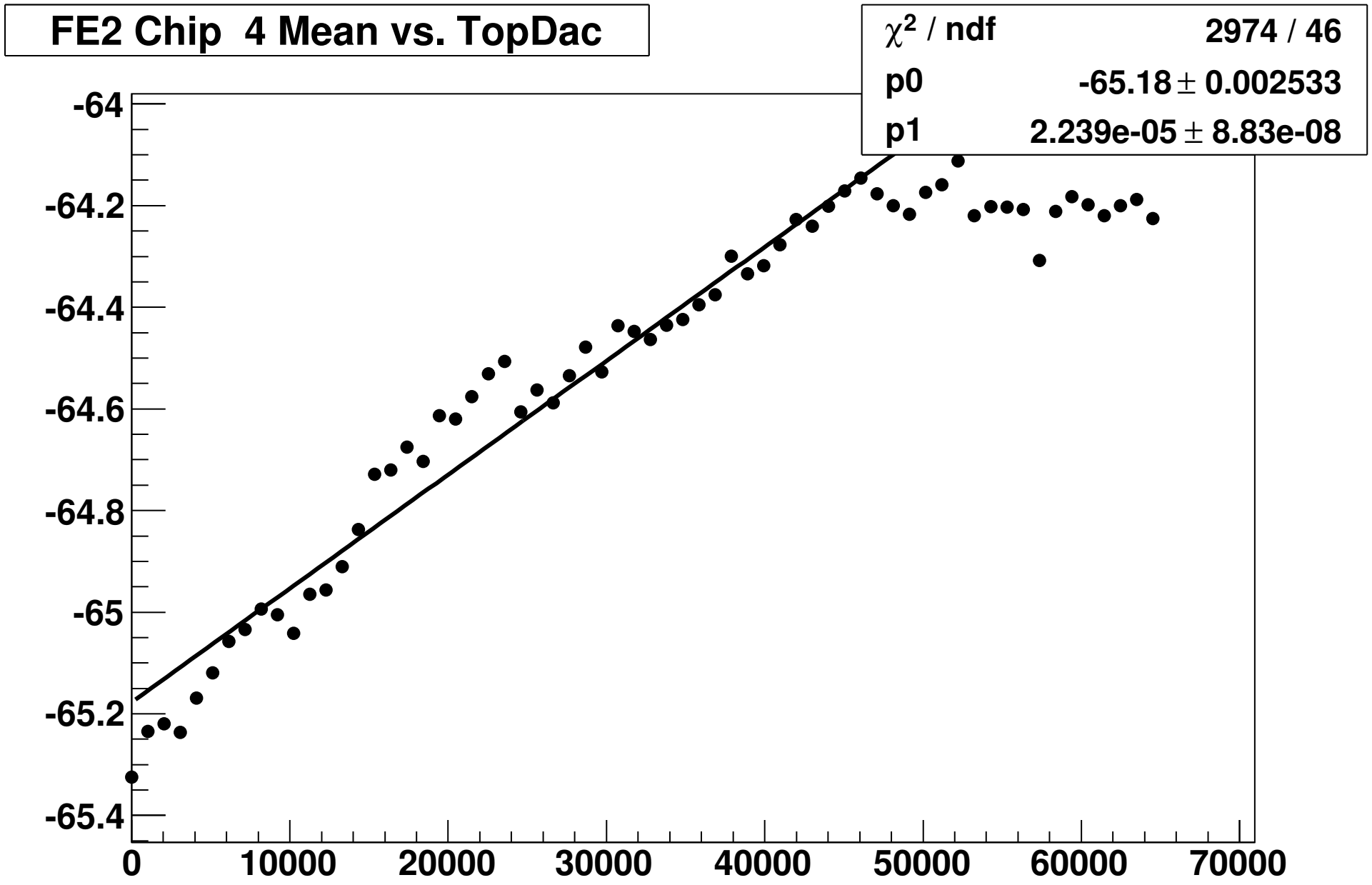
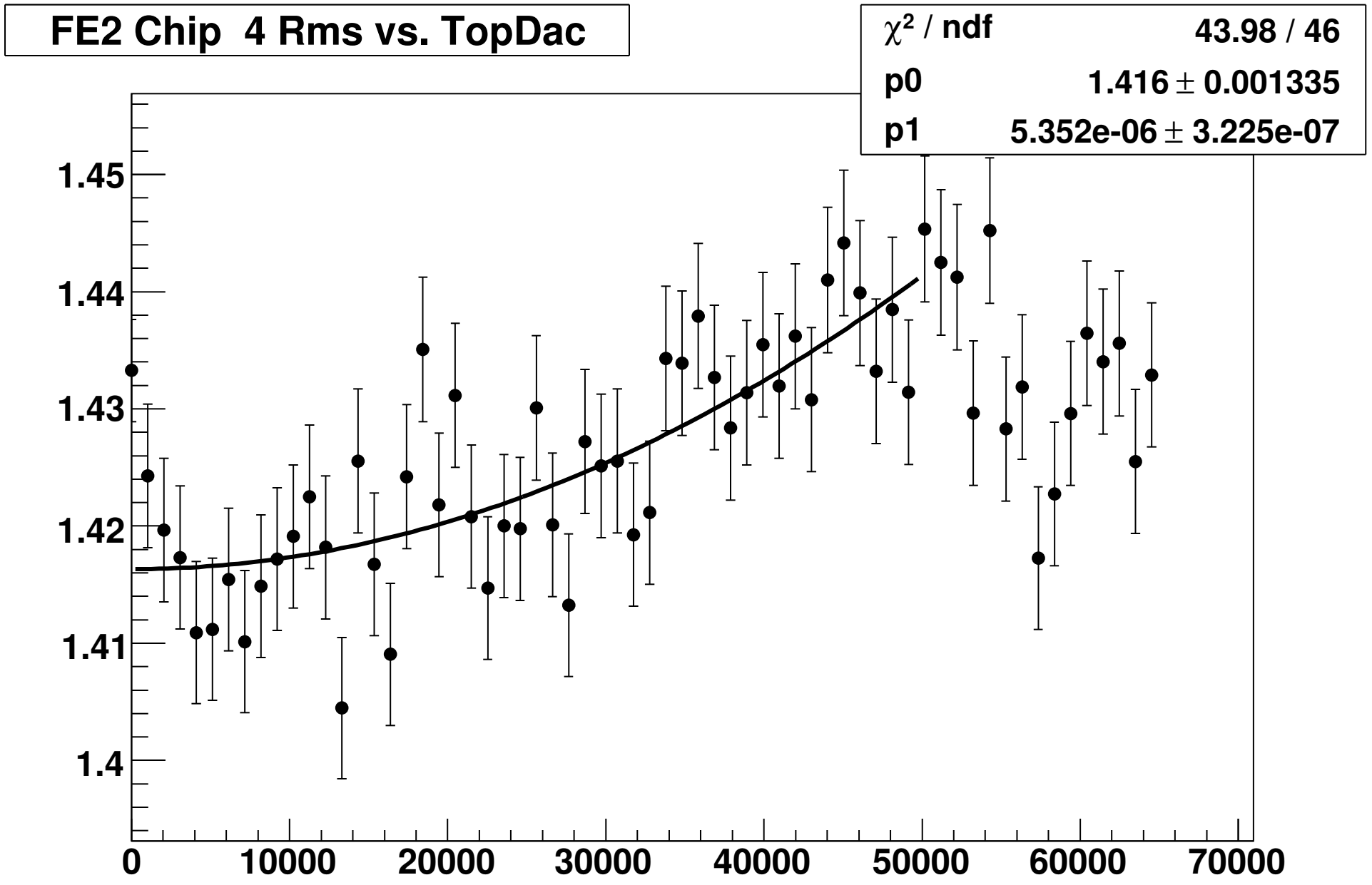
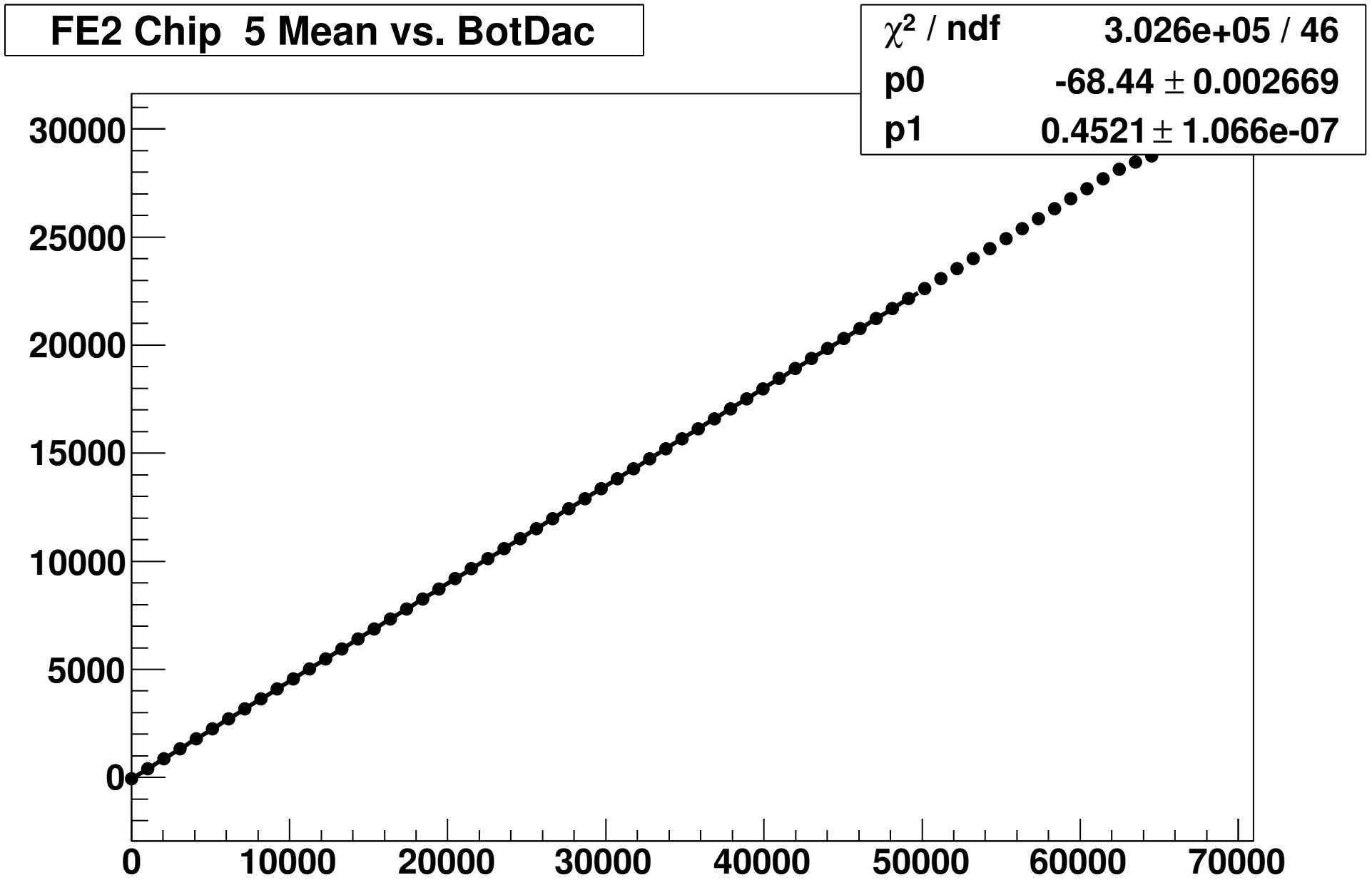
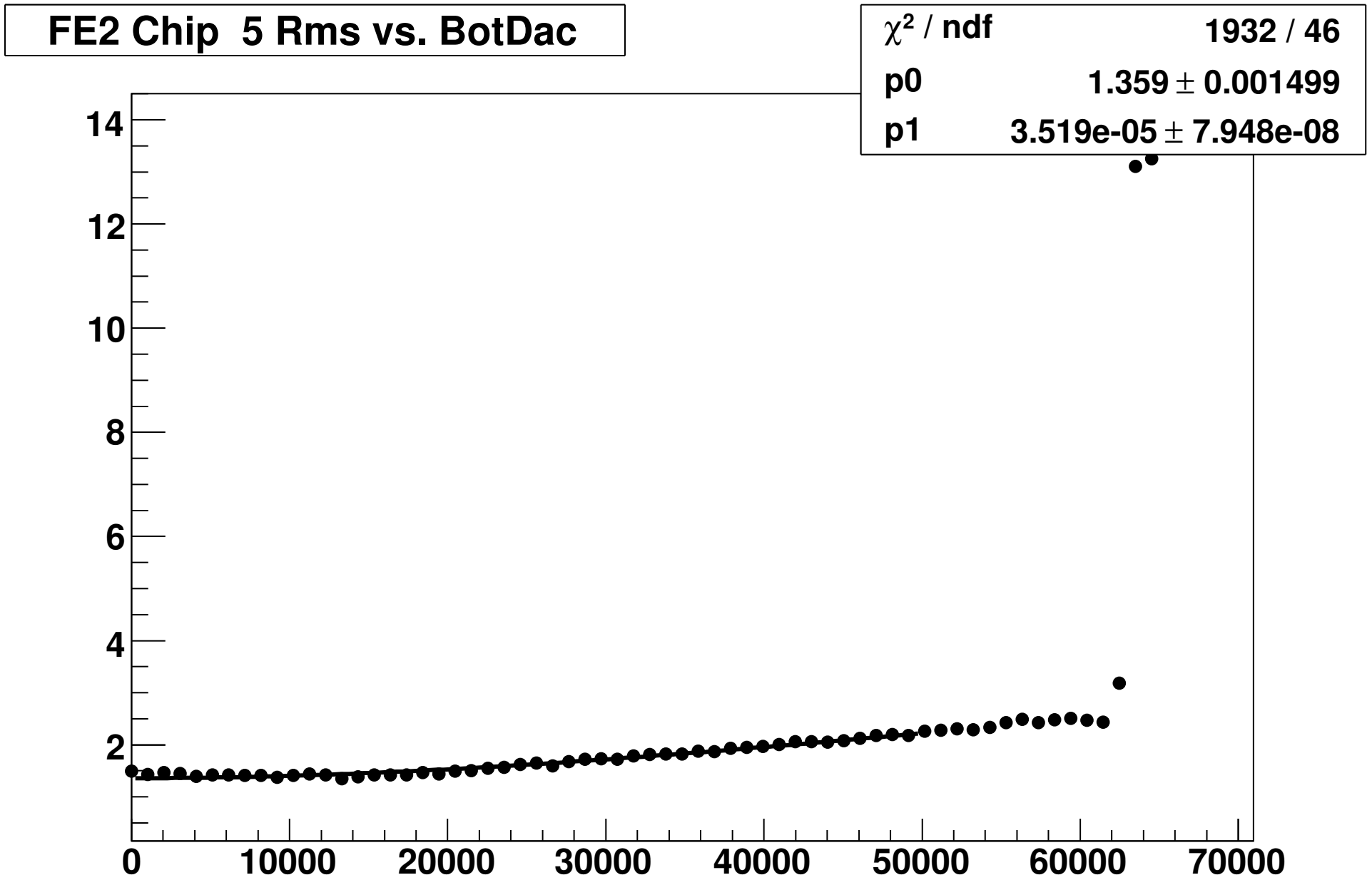
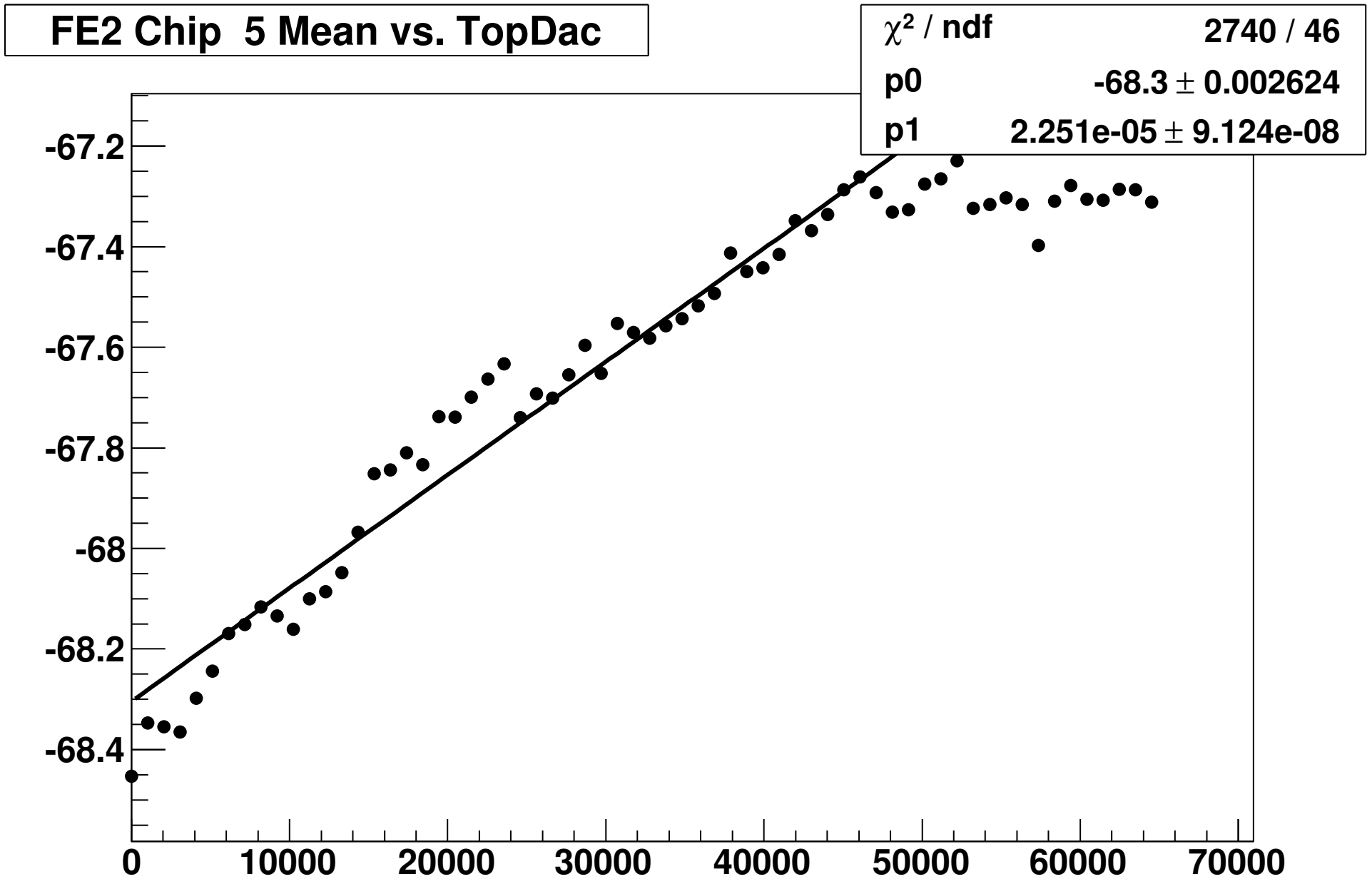
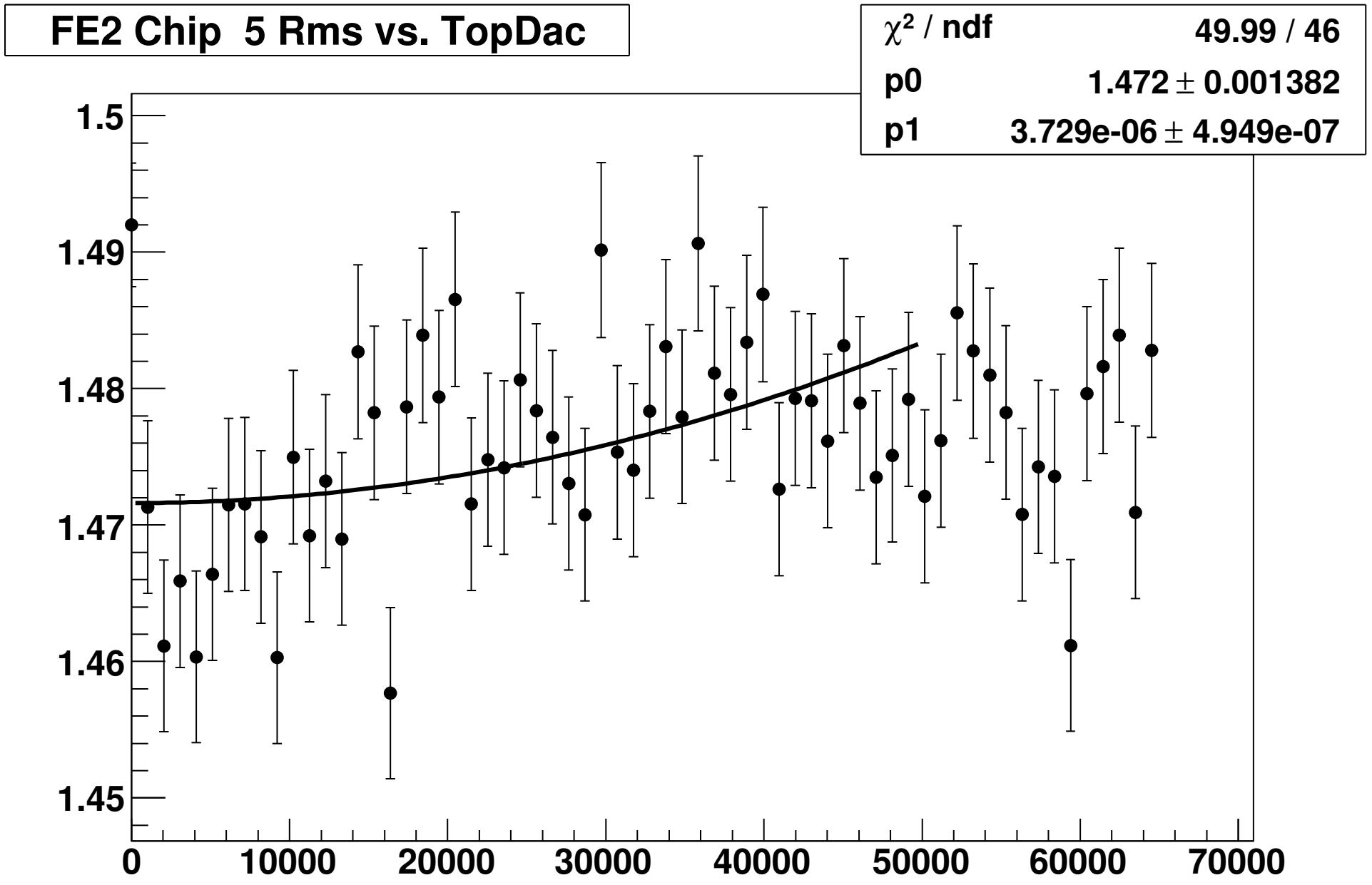

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 2974 / 46
p0 -65.18 ± 0.002533
p1 2.239e-05 ± 8.83e-08
-64
-64.2
-64.4
-64.6
-64.8
-65
-65.2
-65.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 43.98 / 46
p0 1.416 ± 0.001335
p1 5.352e-06 ± 3.225e-07
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 3.026e+05 / 46
p0 -68.44 ± 0.002669
p1 0.4521 ± 1.066e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1932 / 46
p0 1.359 ± 0.001499
p1 3.519e-05 ± 7.948e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 2740 / 46
p0 -68.3 ± 0.002624
p1 2.251e-05 ± 9.124e-08
-67.2
-67.4
-67.6
-67.8
-68
-68.2
-68.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 49.99 / 46
p0 1.472 ± 0.001382
p1 3.729e-06 ± 4.949e-07
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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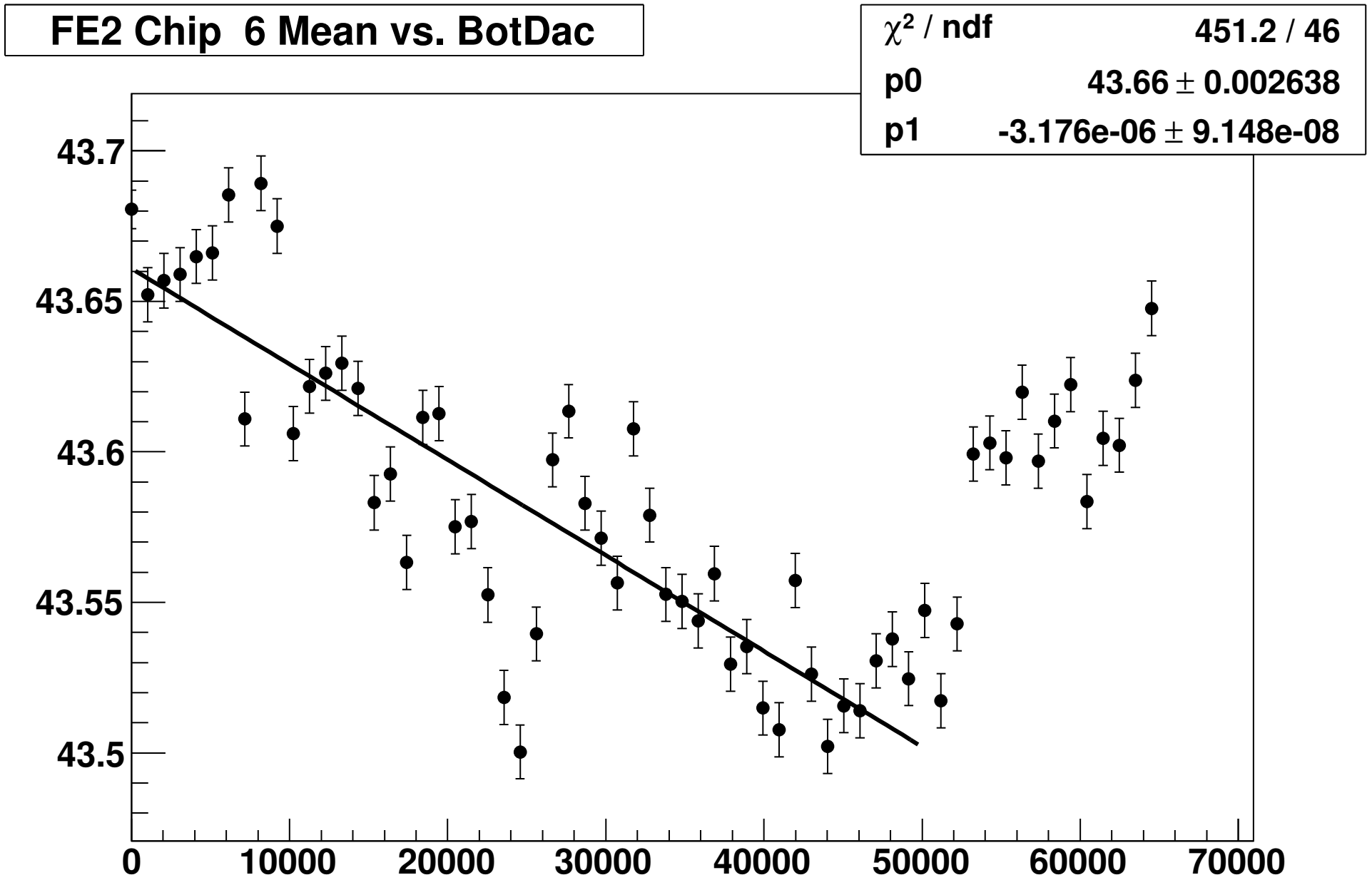
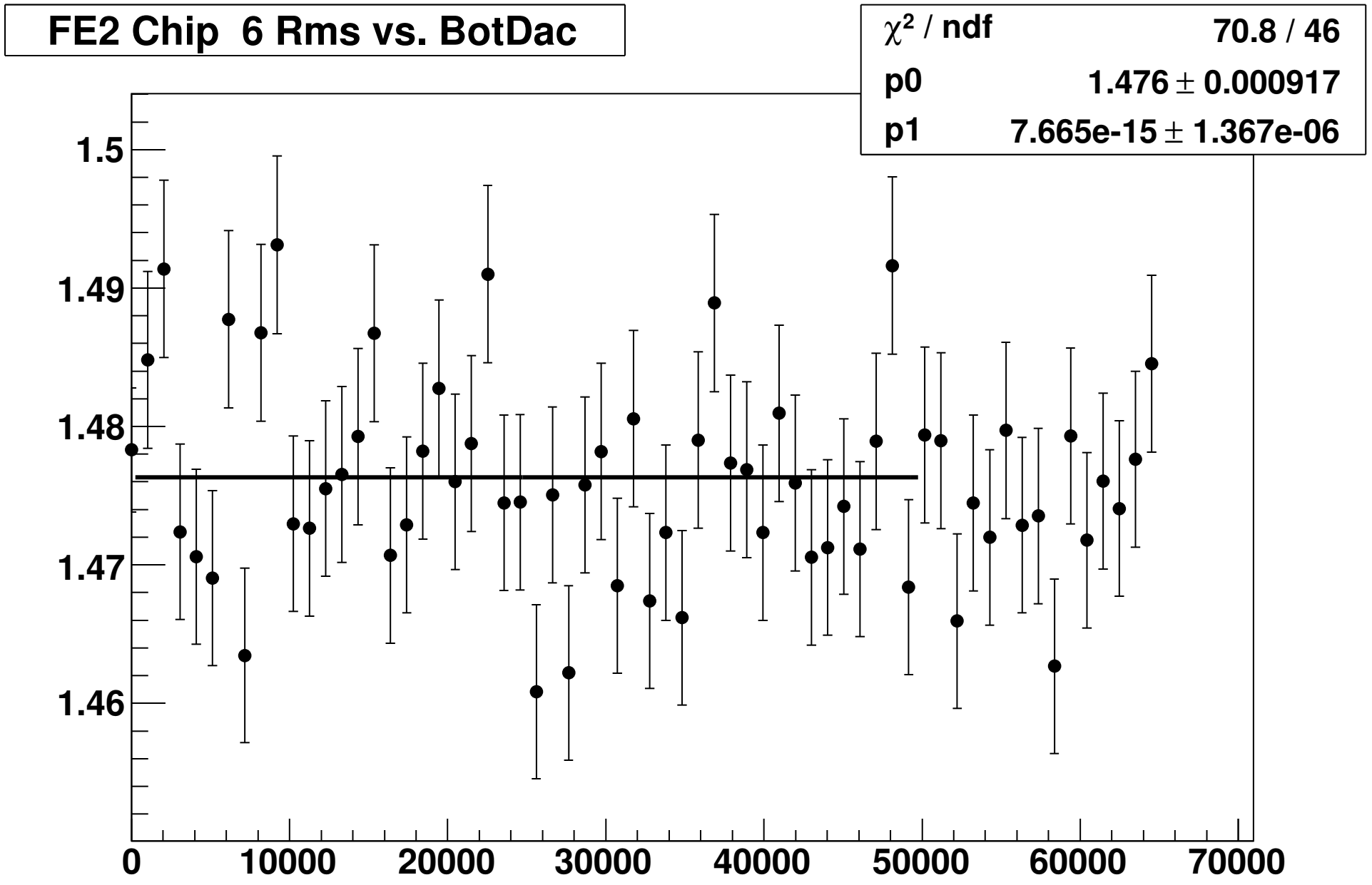
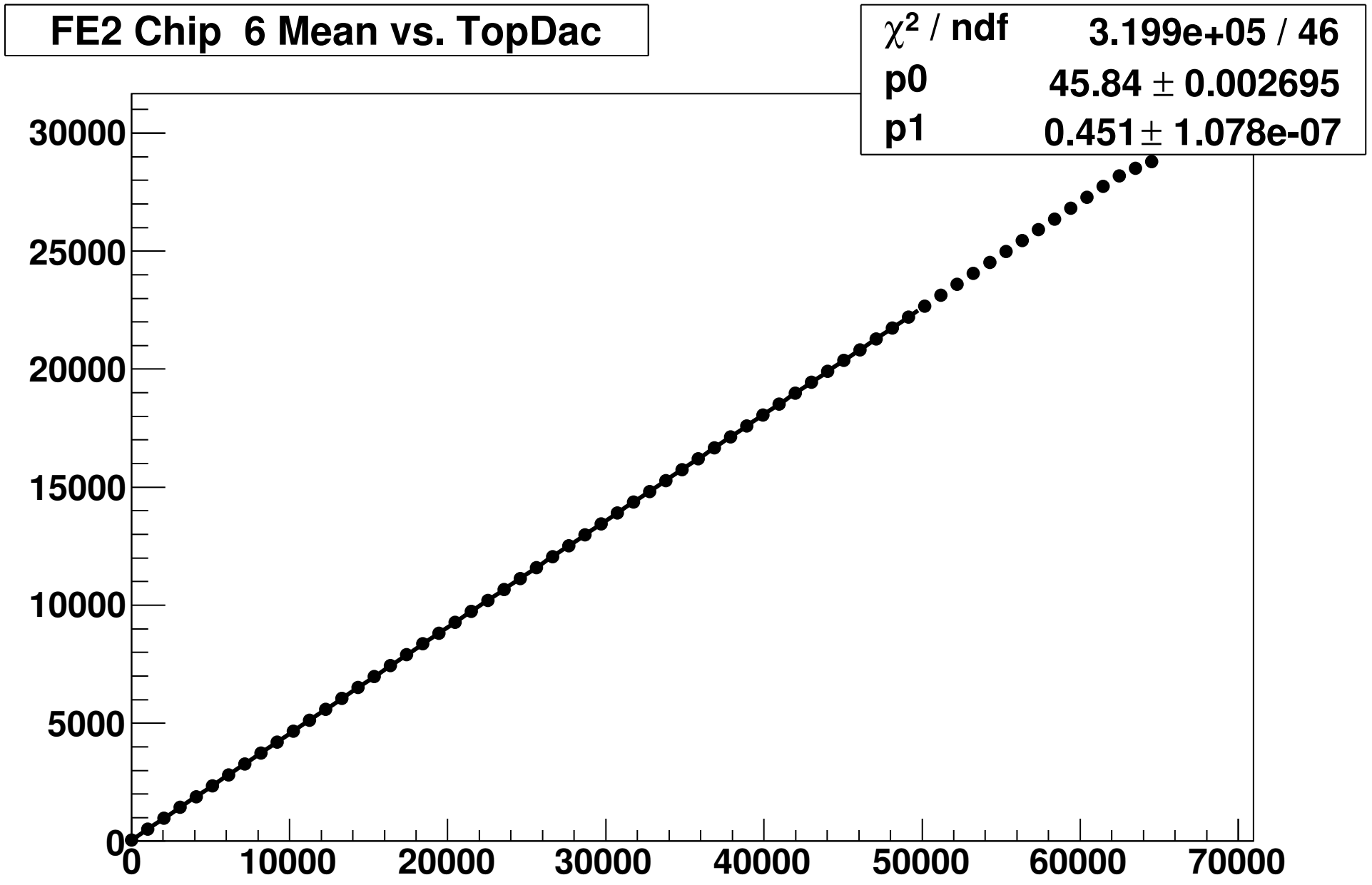
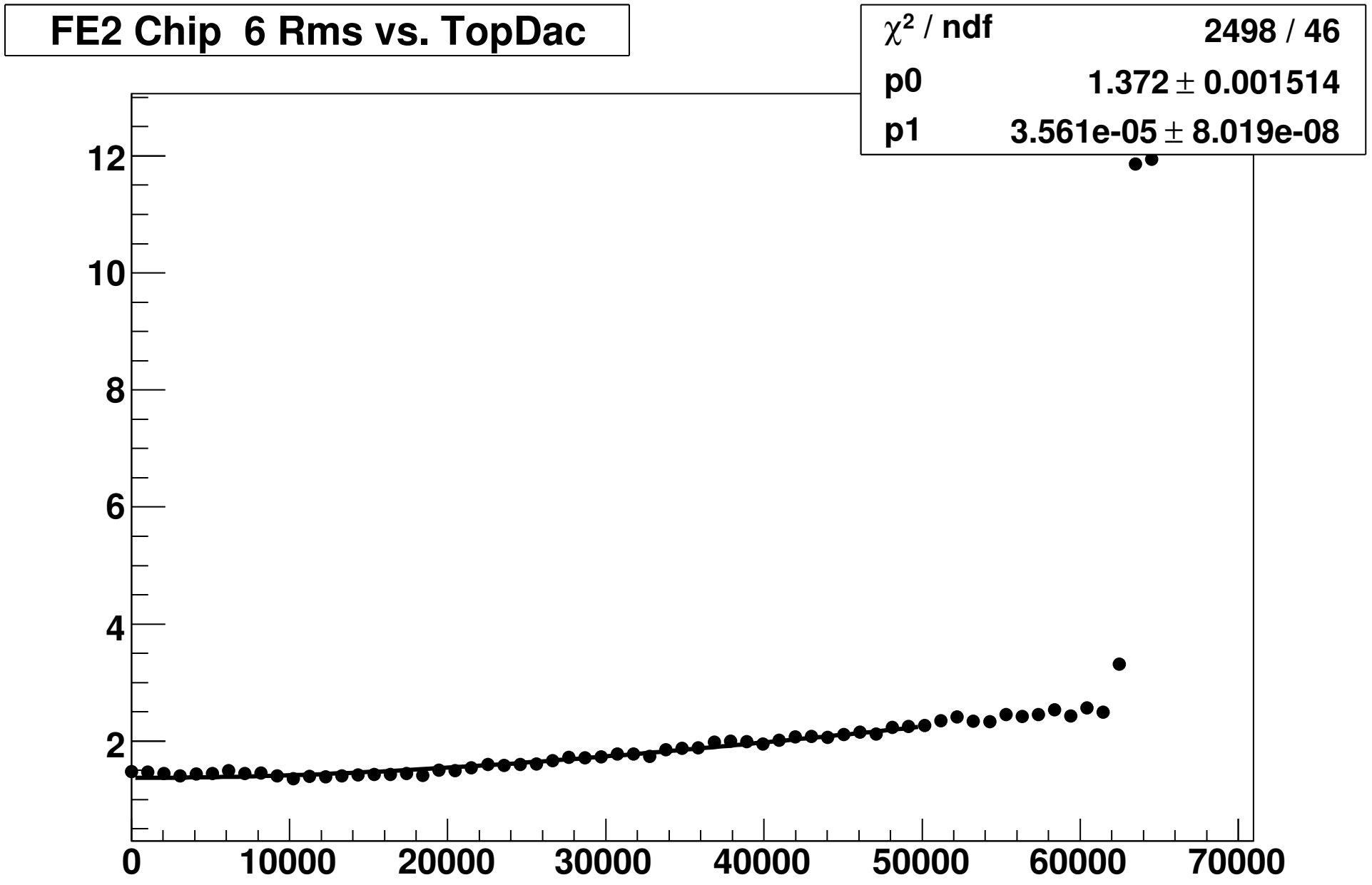
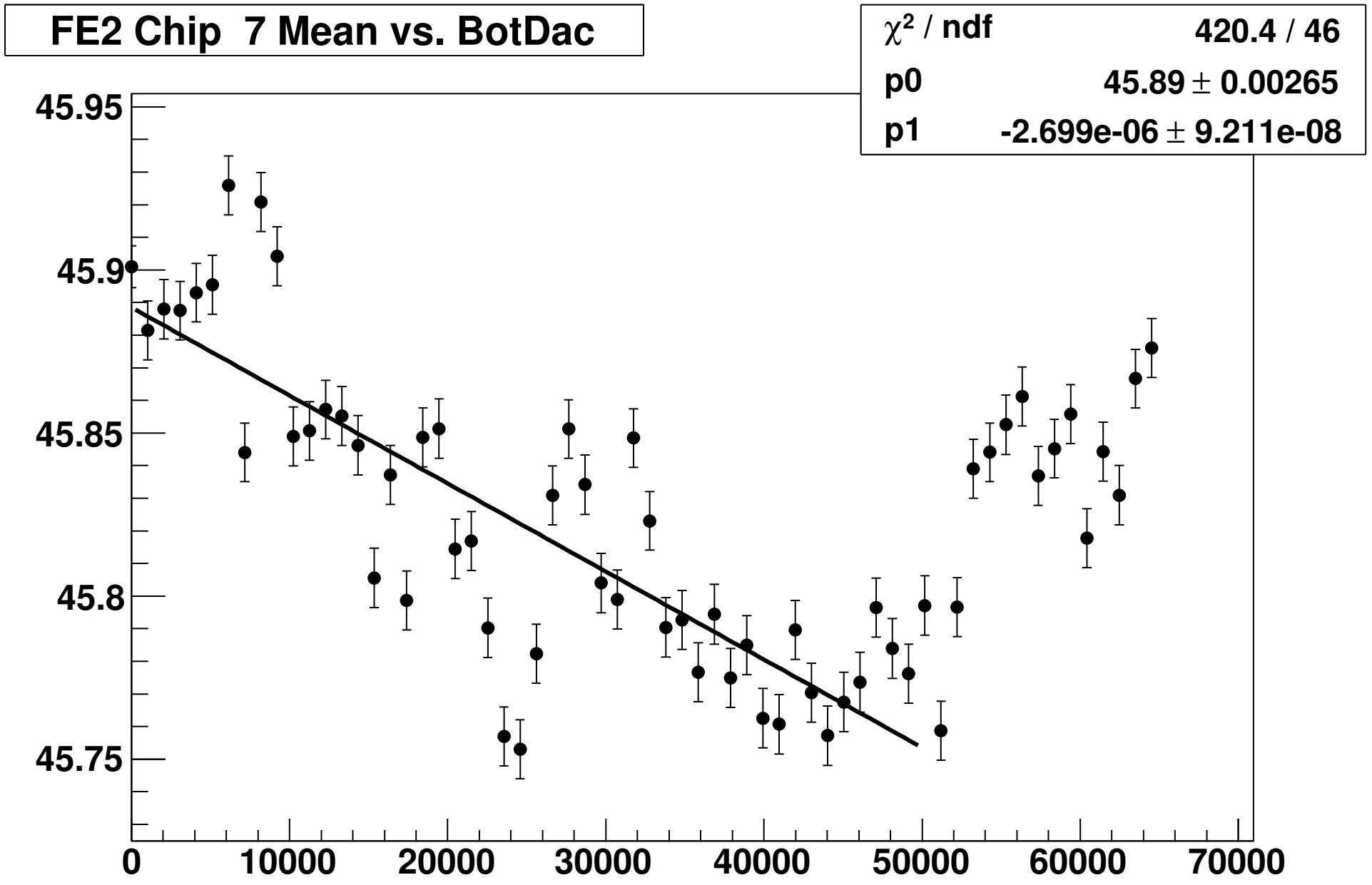
50000
60000
70000

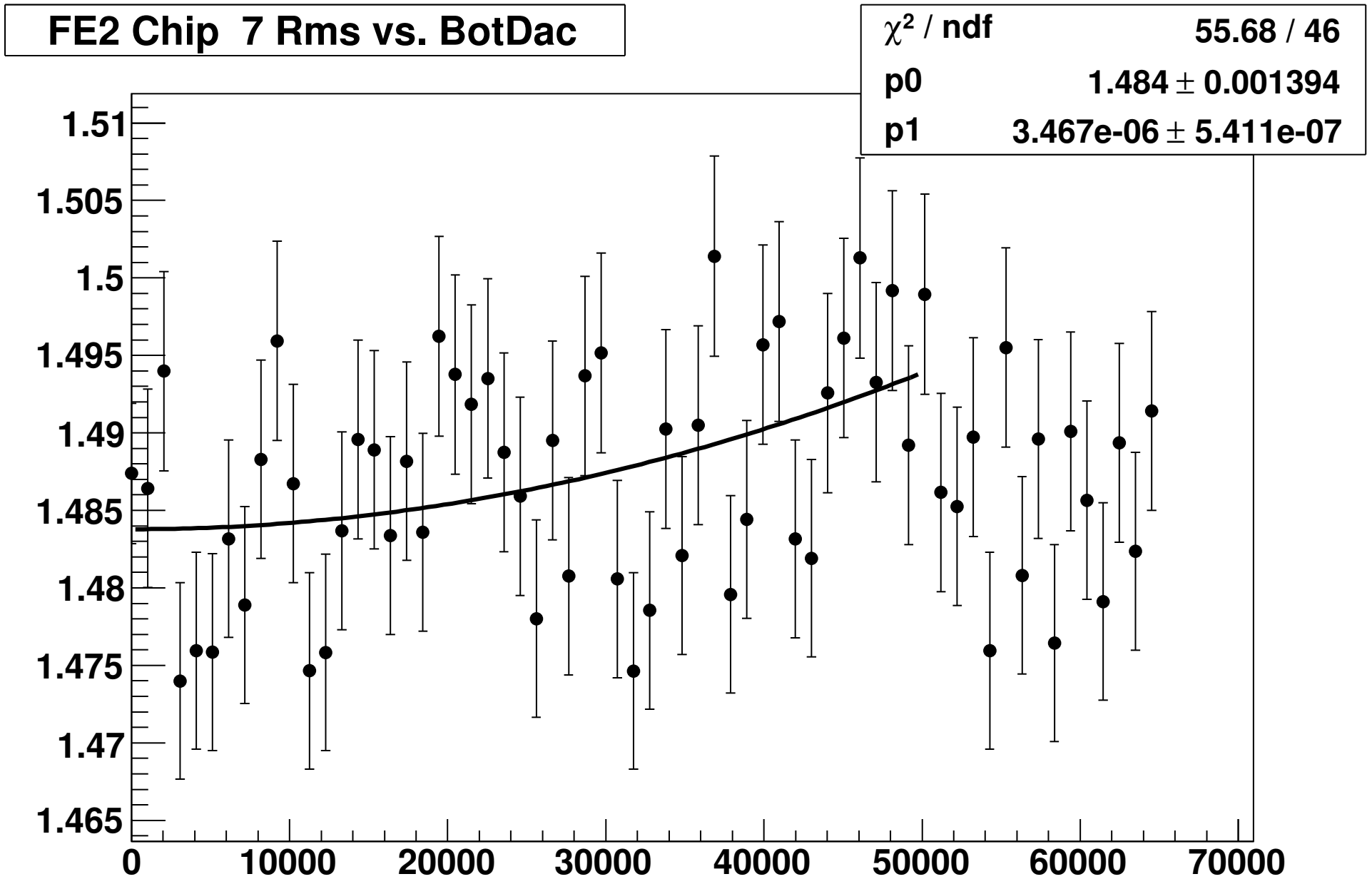

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 451.2 / 46
p0 43.66 ± 0.002638
p1 -3.176e-06 ± 9.148e-08
43.7
43.65
43.6
43.55
43.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 70.8 / 46
p0 1.476 ± 0.000917
p1 7.665e-15 ± 1.367e-06
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 3.199e+05 / 46
p0 45.84 ± 0.002695
p1 0.451 ± 1.078e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 2498 / 46
p0 1.372 ± 0.001514
p1 3.561e-05 ± 8.019e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 420.4 / 46
p0 45.89 ± 0.00265
p1 -2.699e-06 ± 9.211e-08
45.95
45.9
45.85
45.8
45.75
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 55.68 / 46
p0 1.484 ± 0.001394
p1 3.467e-06 ± 5.411e-07
1.51
1.505
1.5
1.495
1.49
1.485
1.48
1.475
1.47
1.465
0
10000
20000
30000
40000
50000
60000
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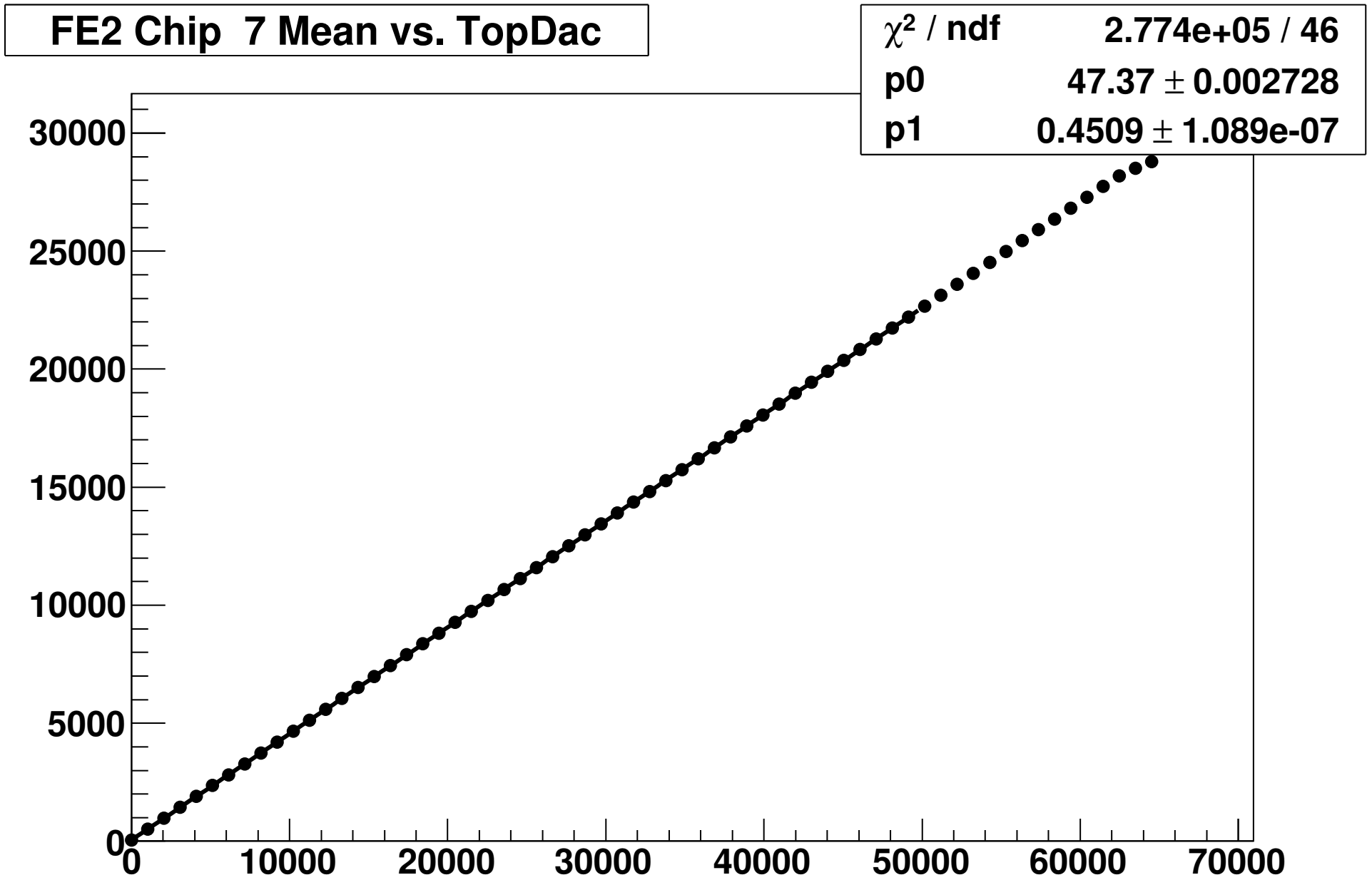
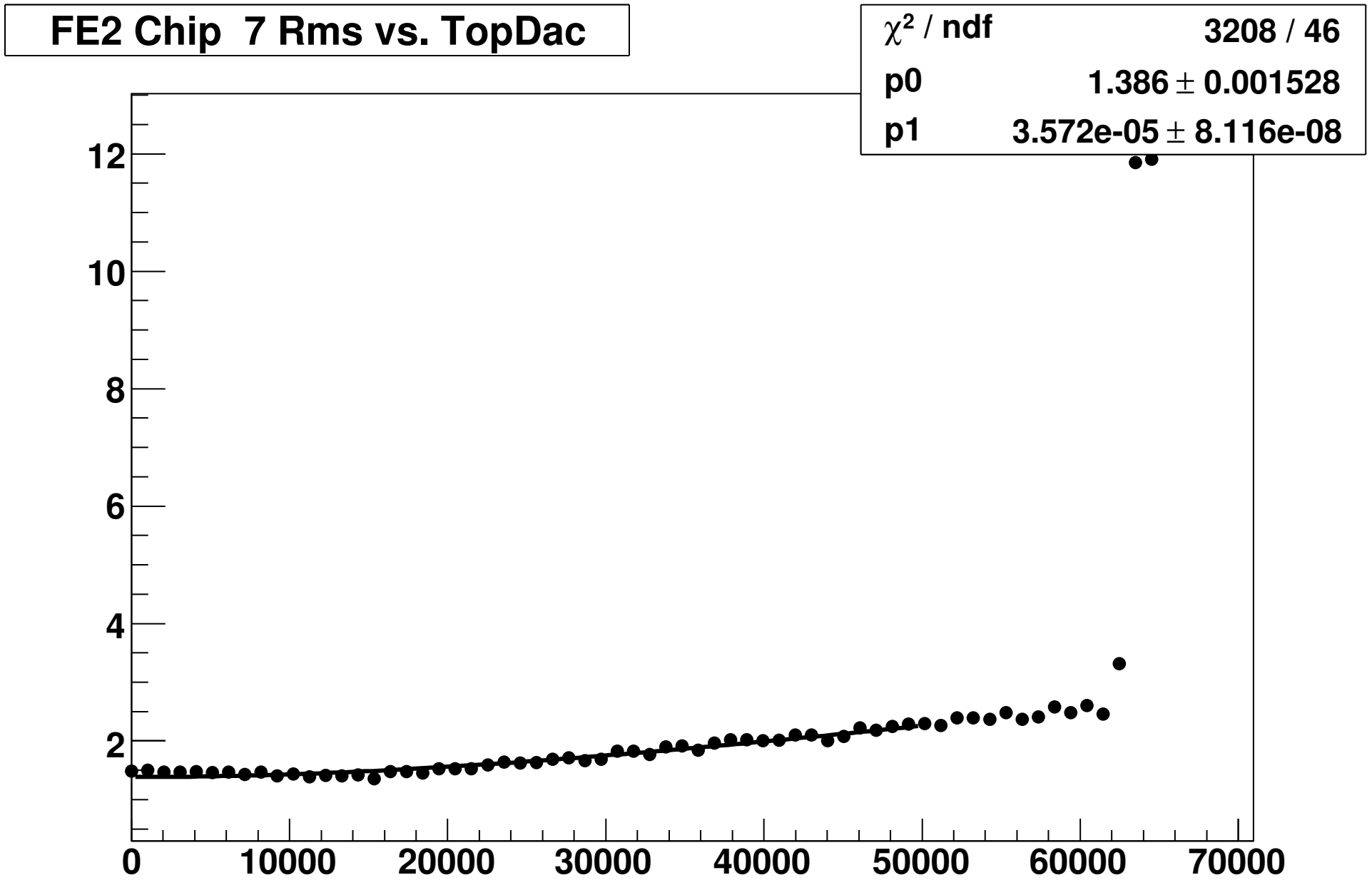
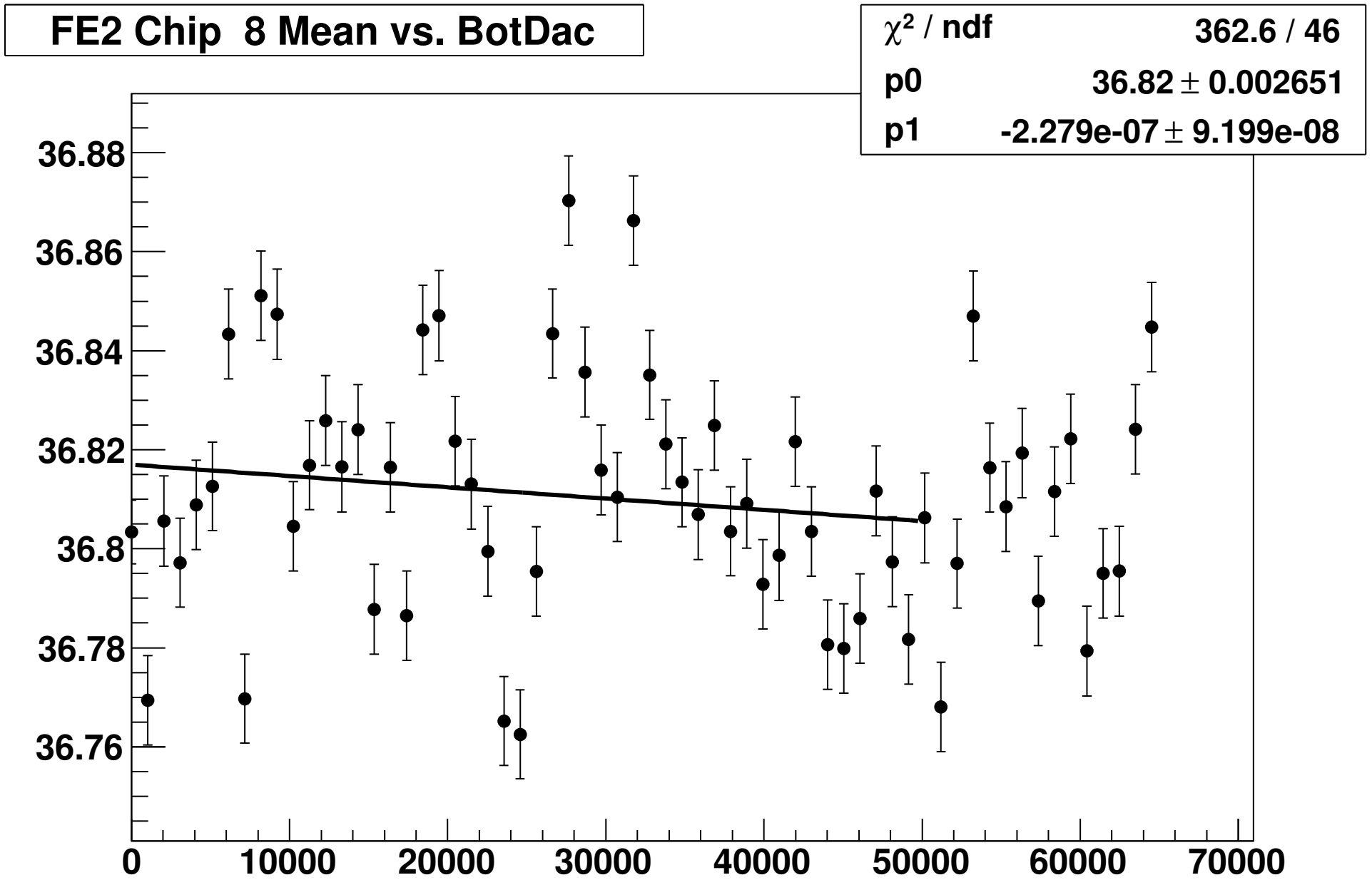
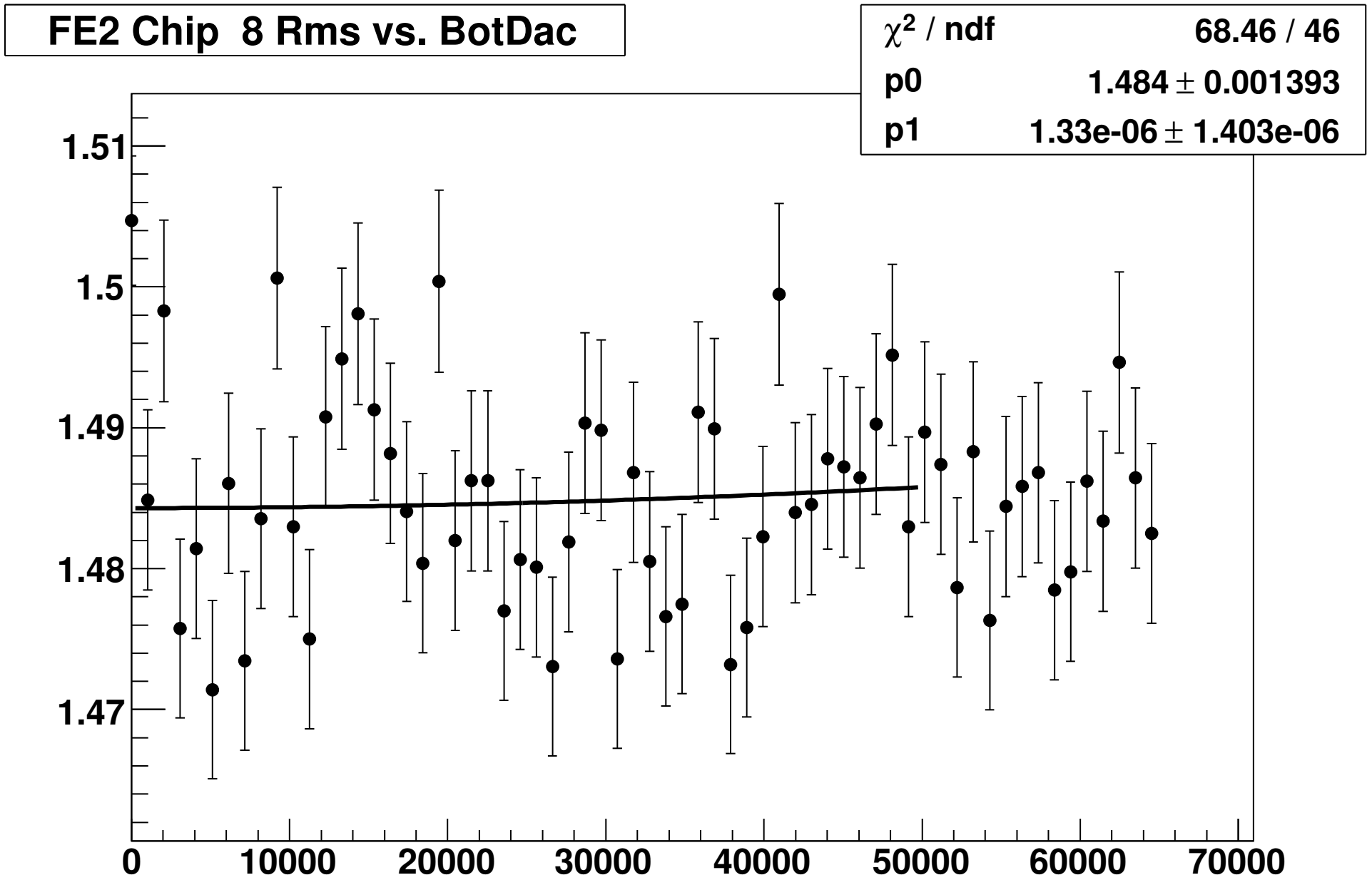
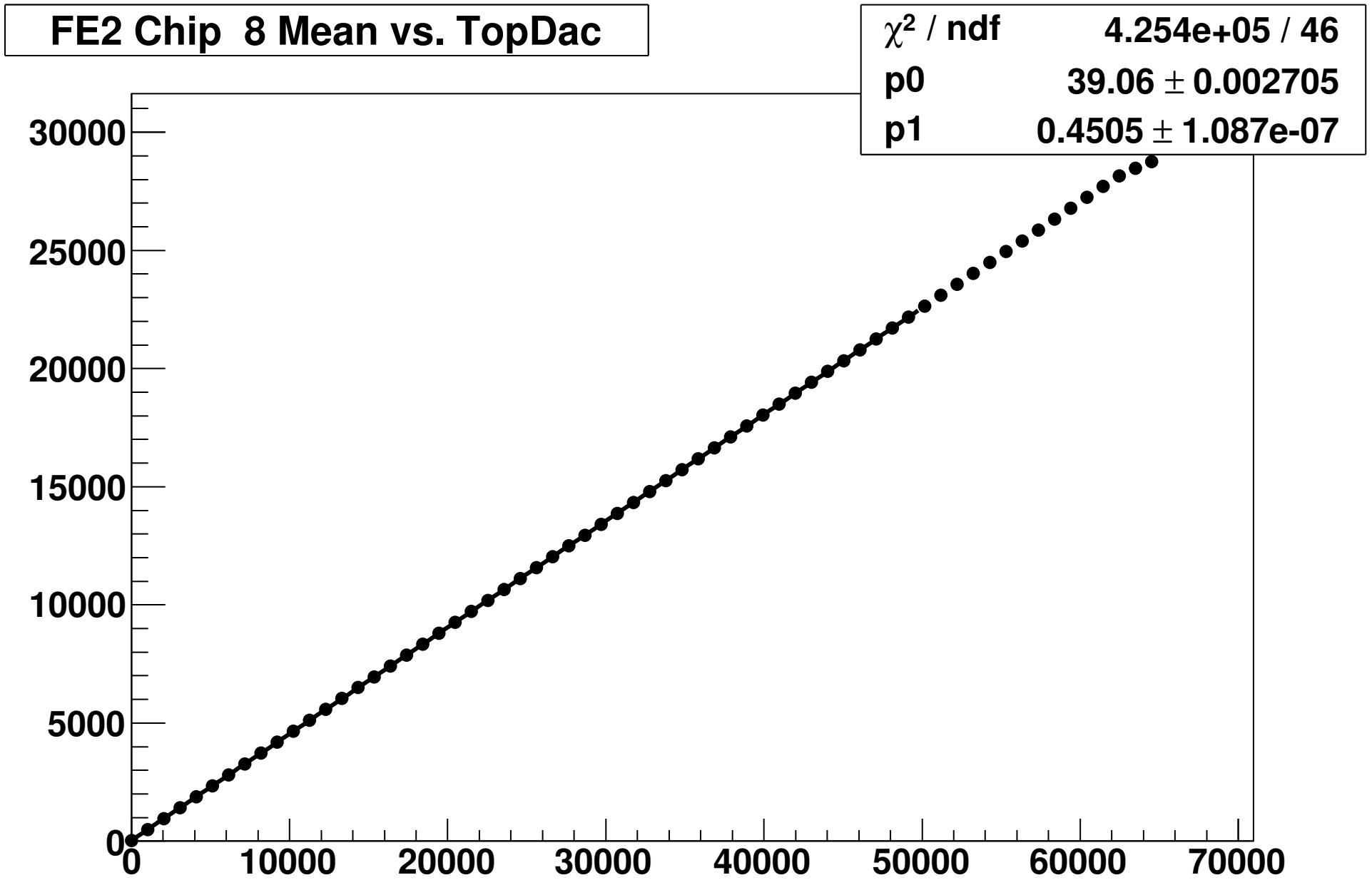
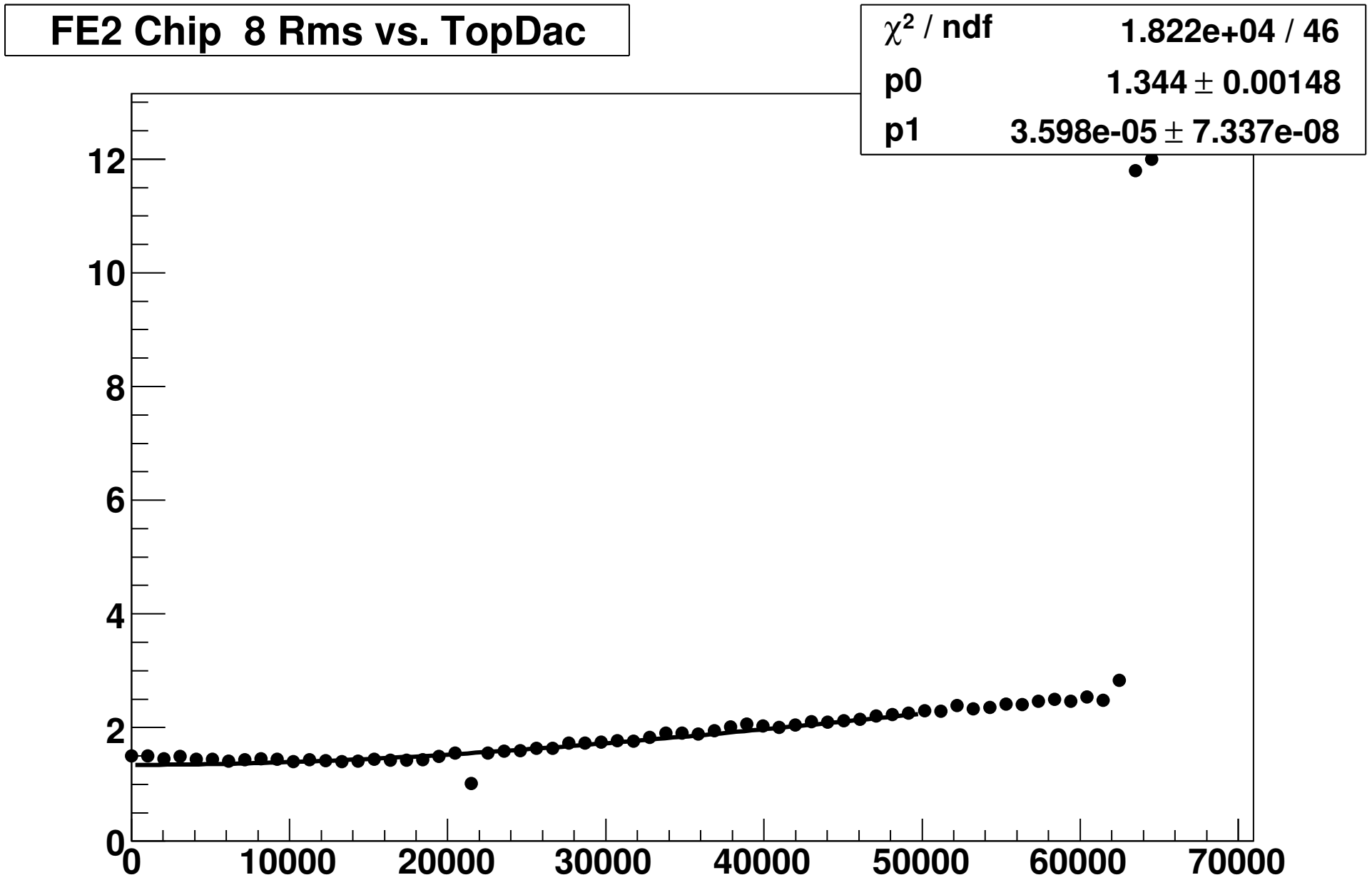

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 2.774e+05 / 46
p0 47.37 ± 0.002728
p1 0.4509 ± 1.089e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

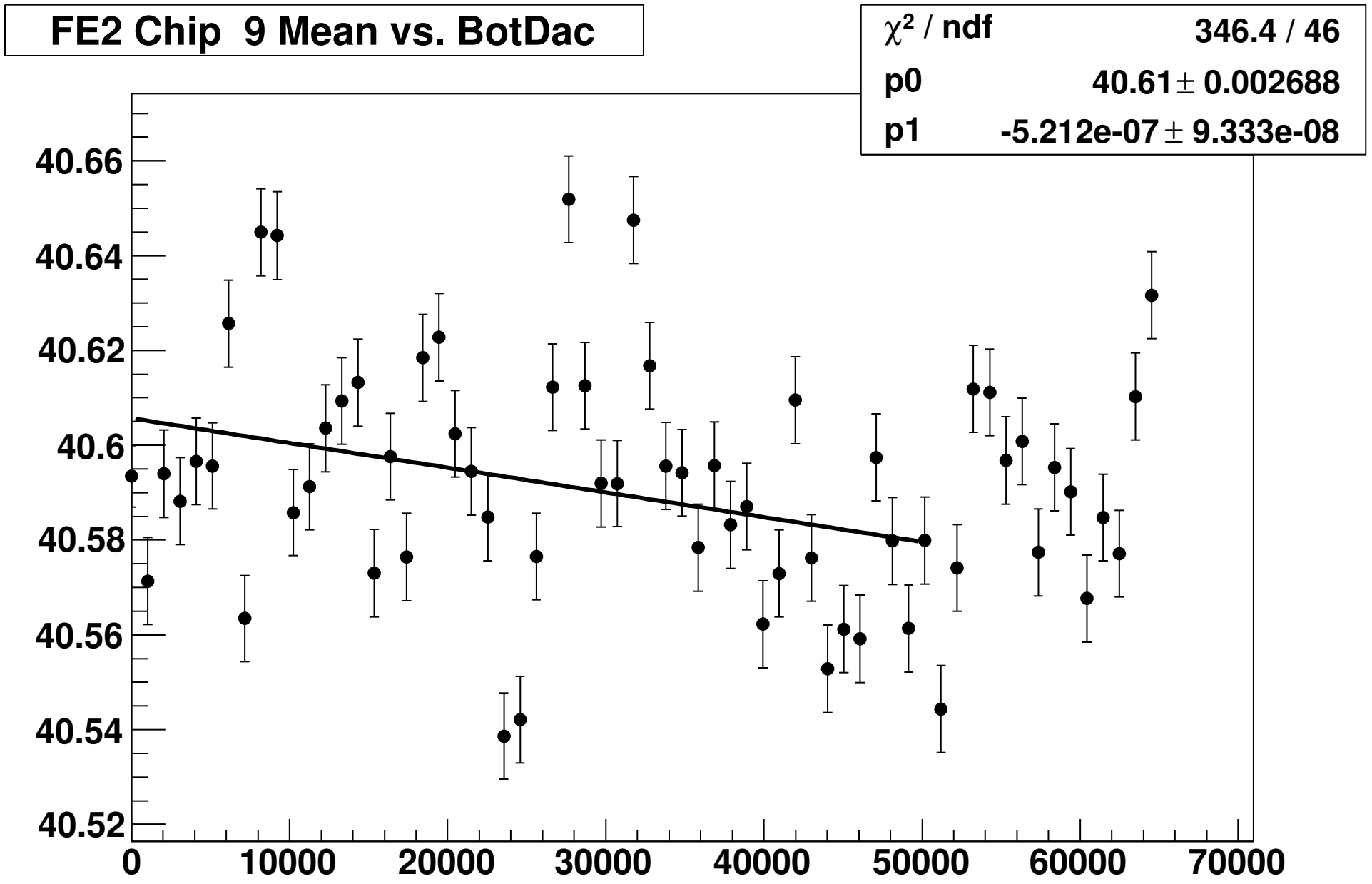

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 3208 / 46
p0 1.386 ± 0.001528
p1 3.572e-05 ± 8.116e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 362.6 / 46
p0 36.82 ± 0.002651
p1 -2.279e-07 ± 9.199e-08
36.88
36.86
36.84
36.82
36.8
36.78
36.76
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 68.46 / 46
p0 1.484 ± 0.001393
p1 1.33e-06 ± 1.403e-06
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 4.254e+05 / 46
p0 39.06 ± 0.002705
p1 0.4505 ± 1.087e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 1.822e+04 / 46
p0 1.344 ± 0.00148
p1 3.598e-05 ± 7.337e-08
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 346.4 / 46
p0 40.61 ± 0.002688
p1 -5.212e-07 ± 9.333e-08
40.66
40.64
40.62
40.6
40.58
40.56
40.54
40.52
0
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20000
30000
40000
50000
60000
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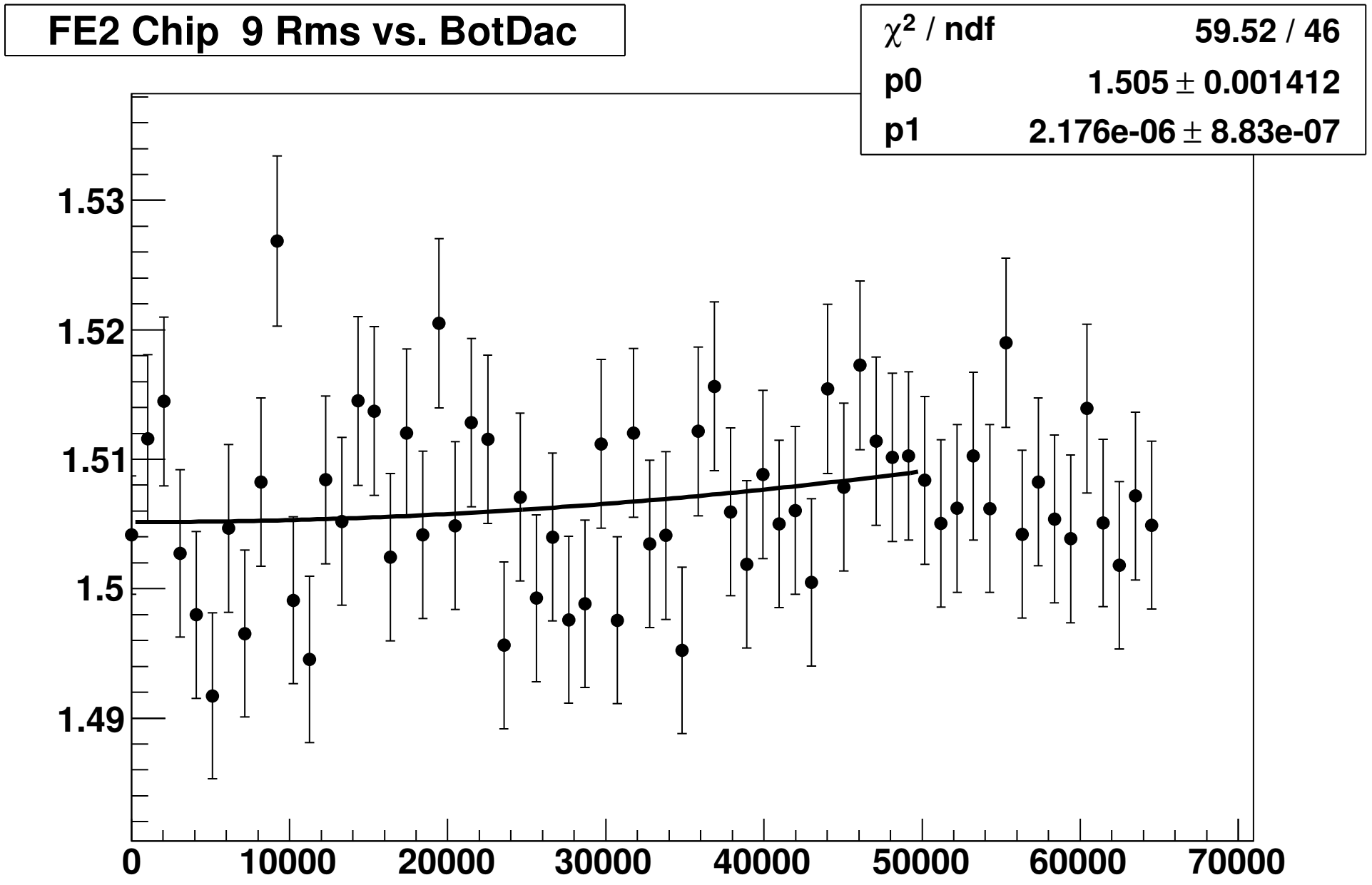
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 59.52 / 46
p0 1.505 ± 0.001412
p1 2.176e-06 ± 8.83e-07
1.53
1.52
1.51
1.5
1.49
0
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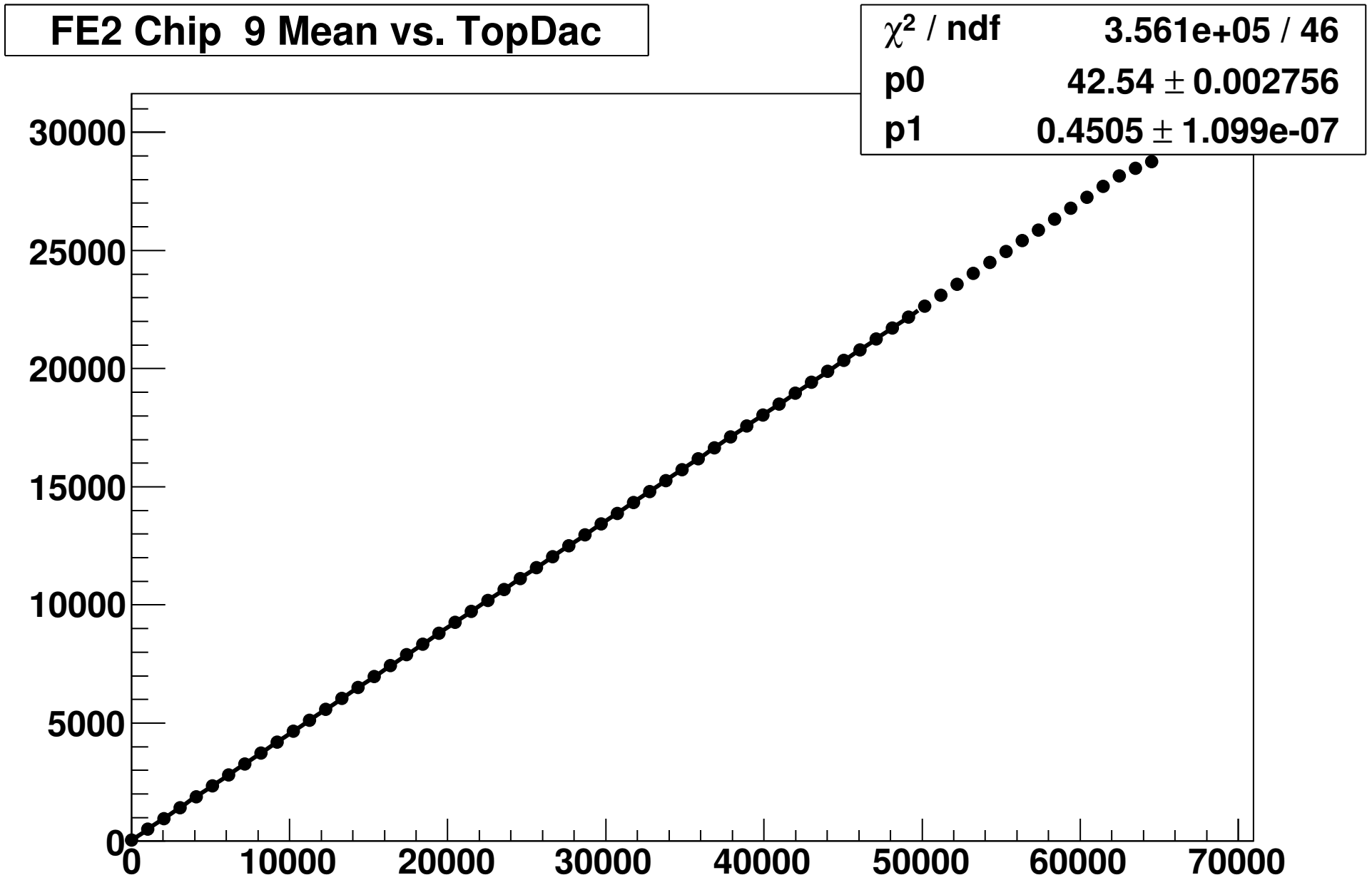
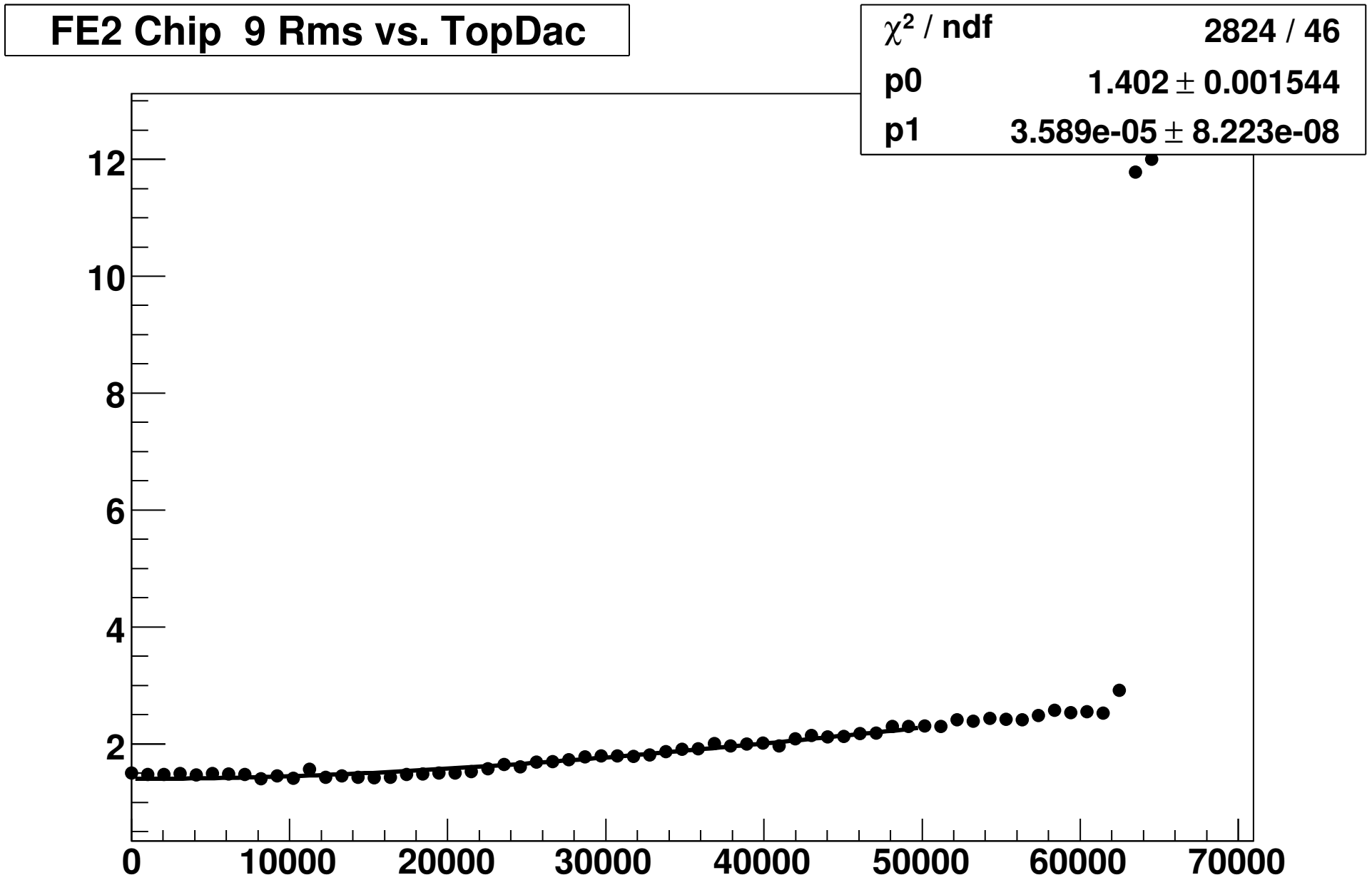
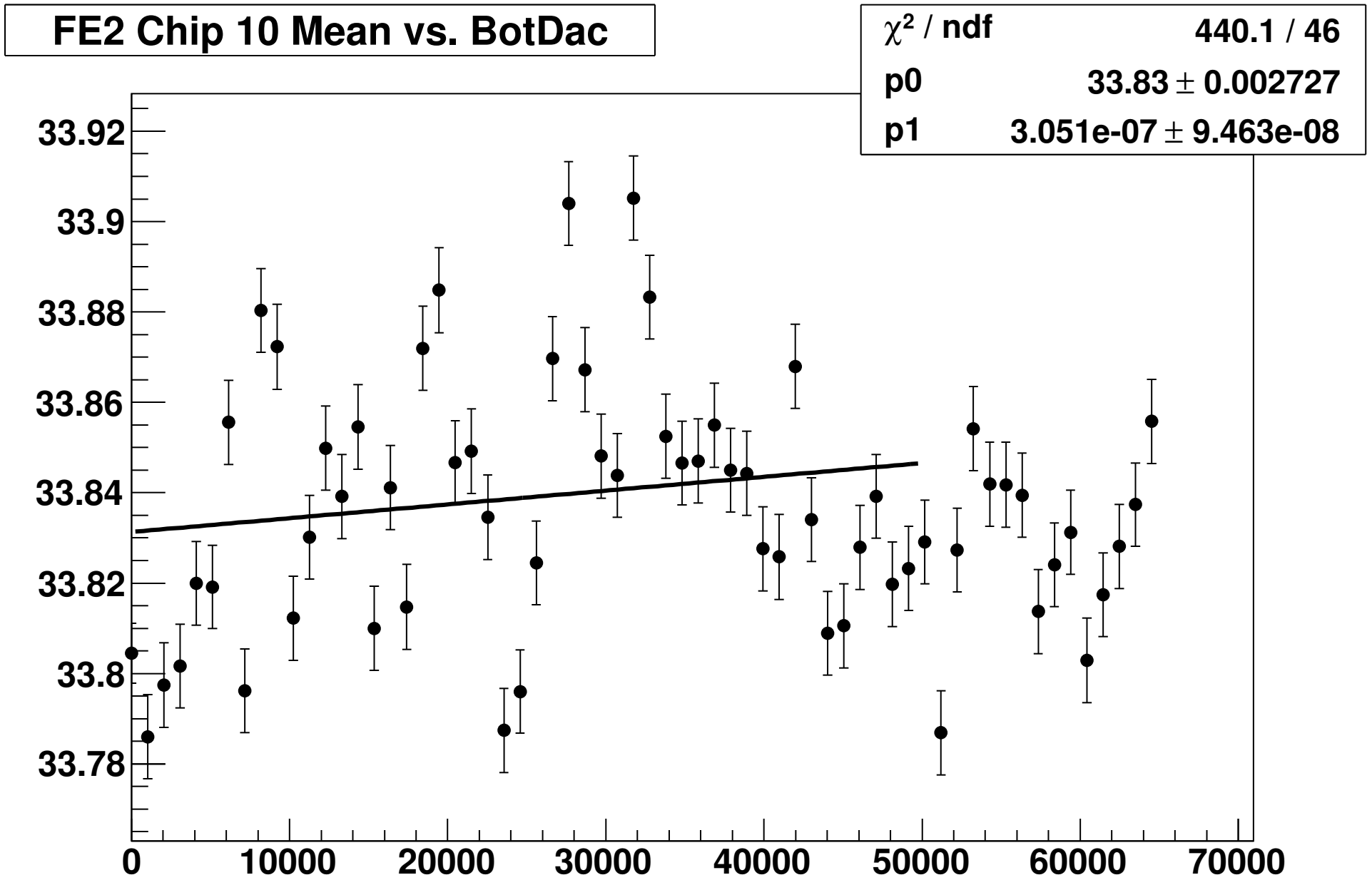

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 3.561e+05 / 46
p0 42.54 ± 0.002756
p1 0.4505 ± 1.099e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 2824 / 46
p0 1.402 ± 0.001544
p1 3.589e-05 ± 8.223e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 440.1 / 46
p0 33.83 ± 0.002727
p1 3.051e-07 ± 9.463e-08
33.92
33.9
33.88
33.86
33.84
33.82
33.8
33.78
0
10000
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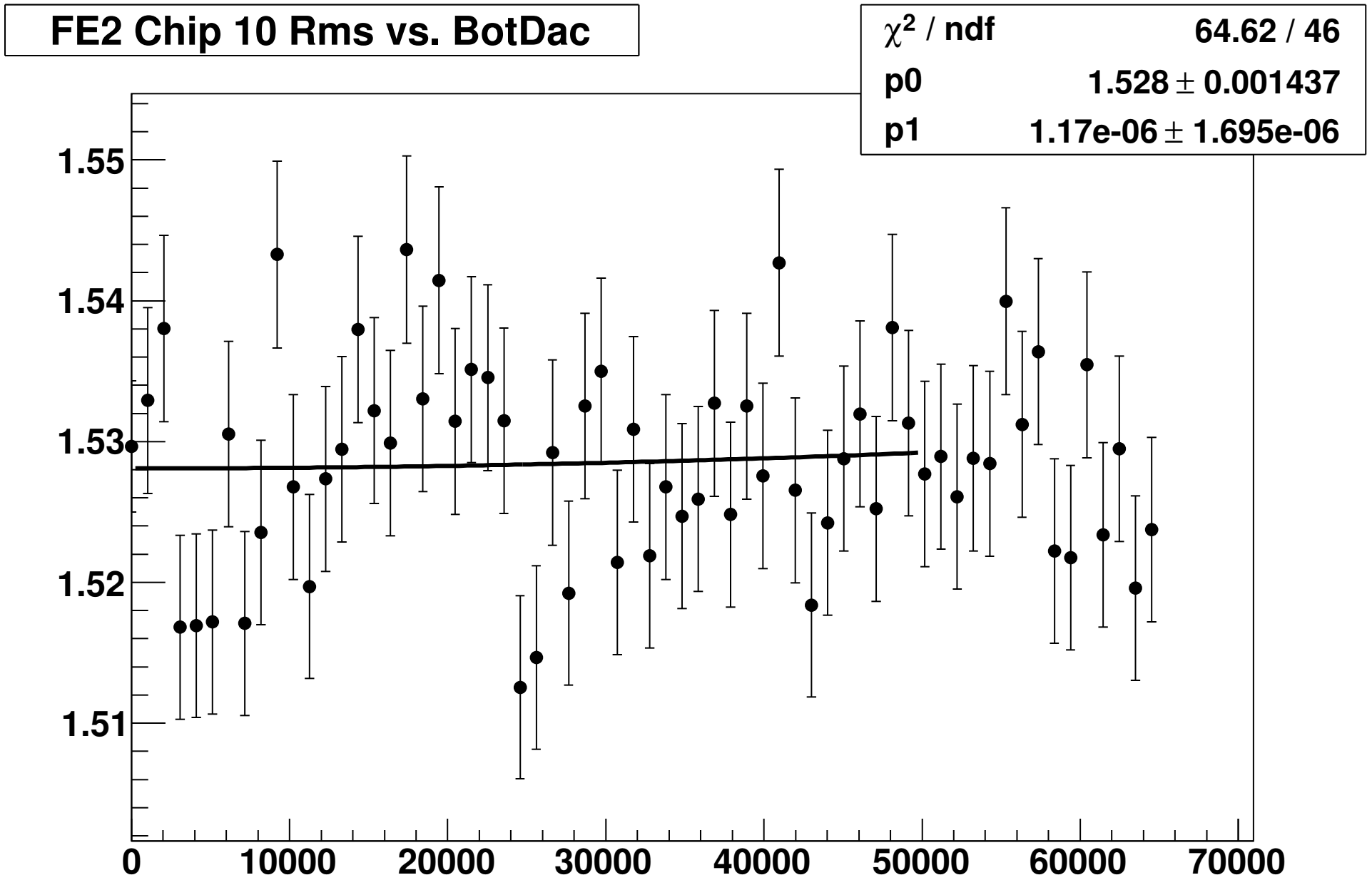
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 64.62 / 46
p0 1.528 ± 0.001437
p1 1.17e-06 ± 1.695e-06
1.55
1.54
1.53
1.52
1.51
0
10000
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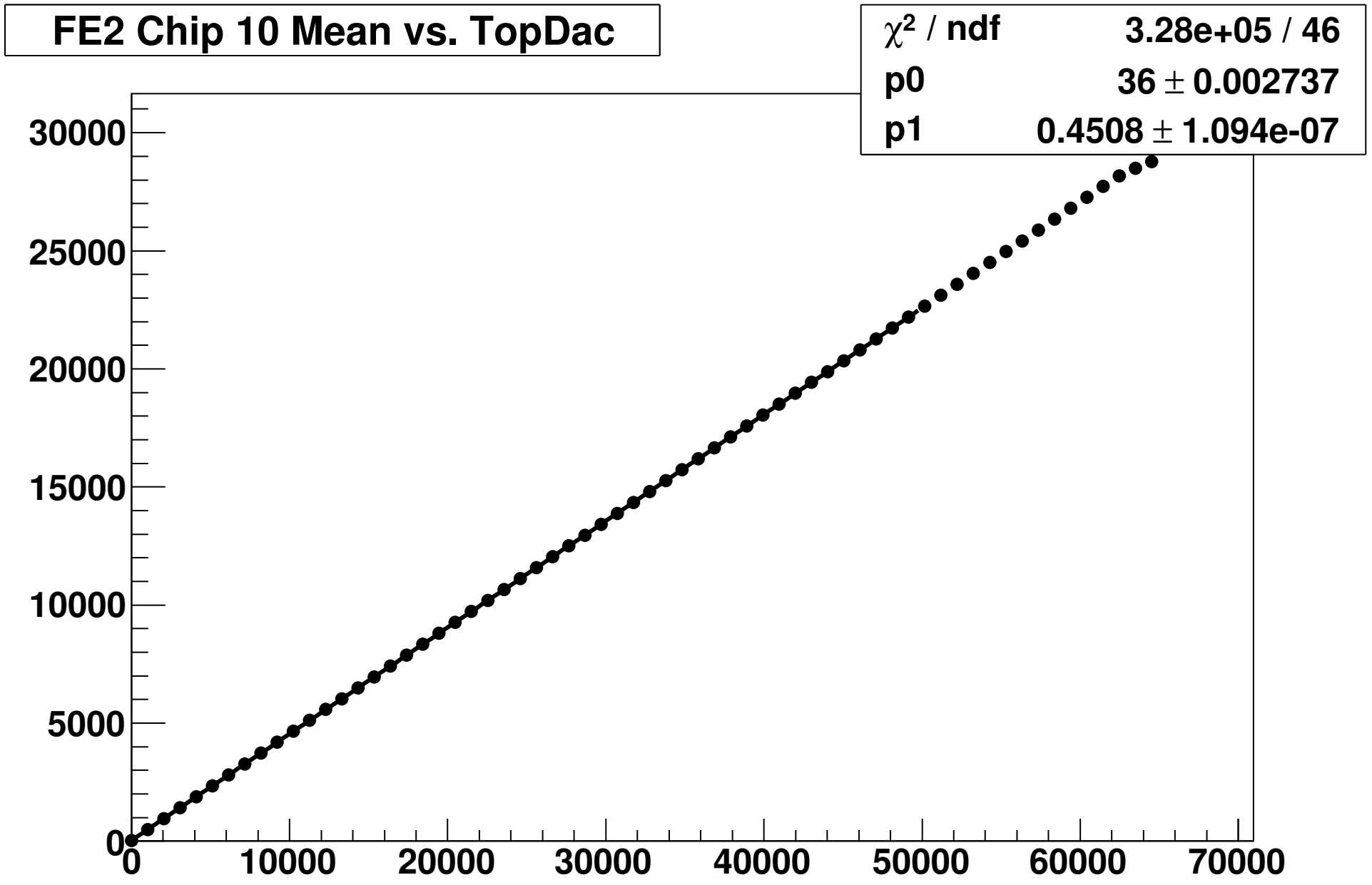
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 3.28e+05 / 46
p0 36 ± 0.002737
p1 0.4508 ± 1.094e-07
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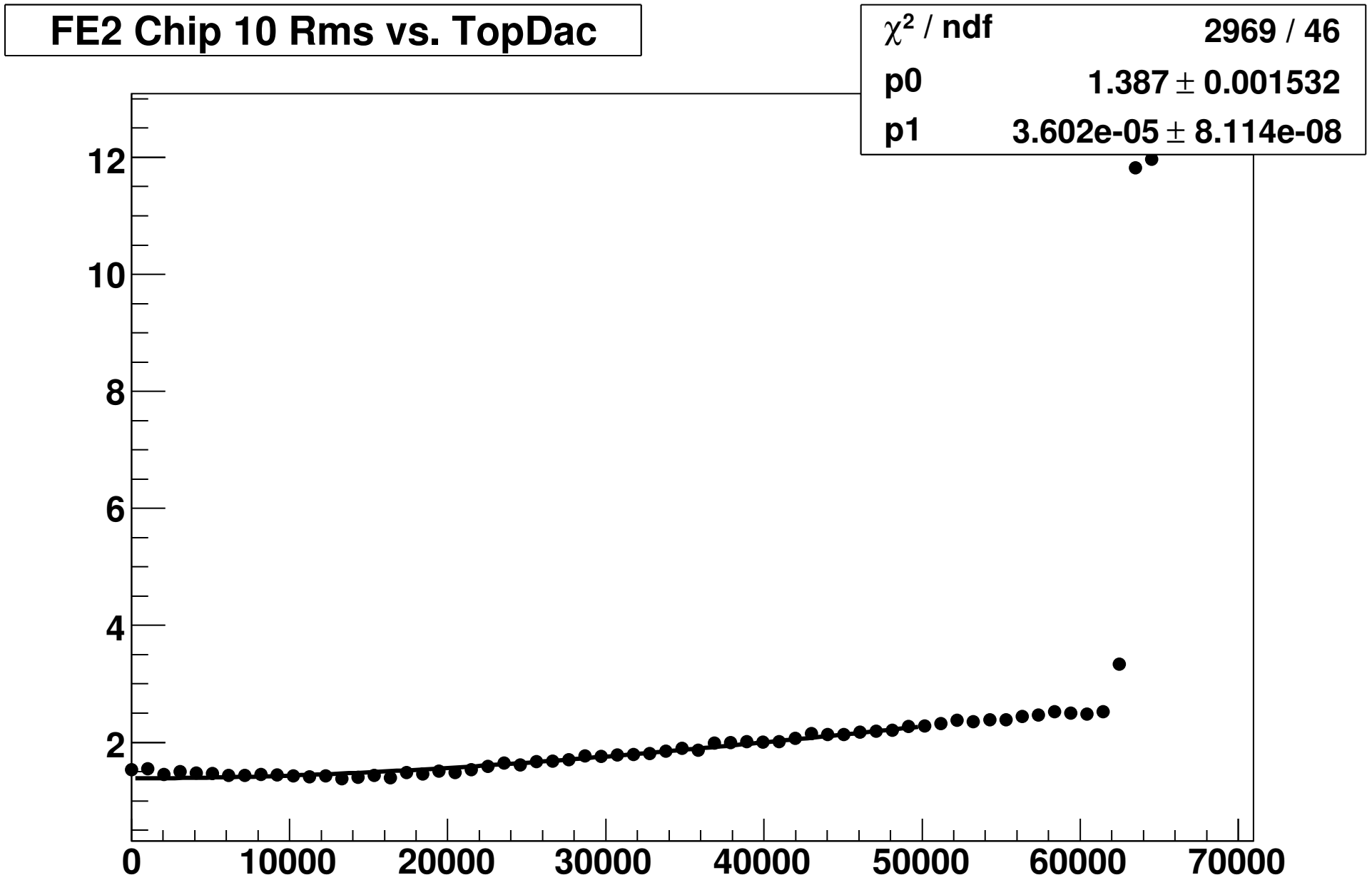
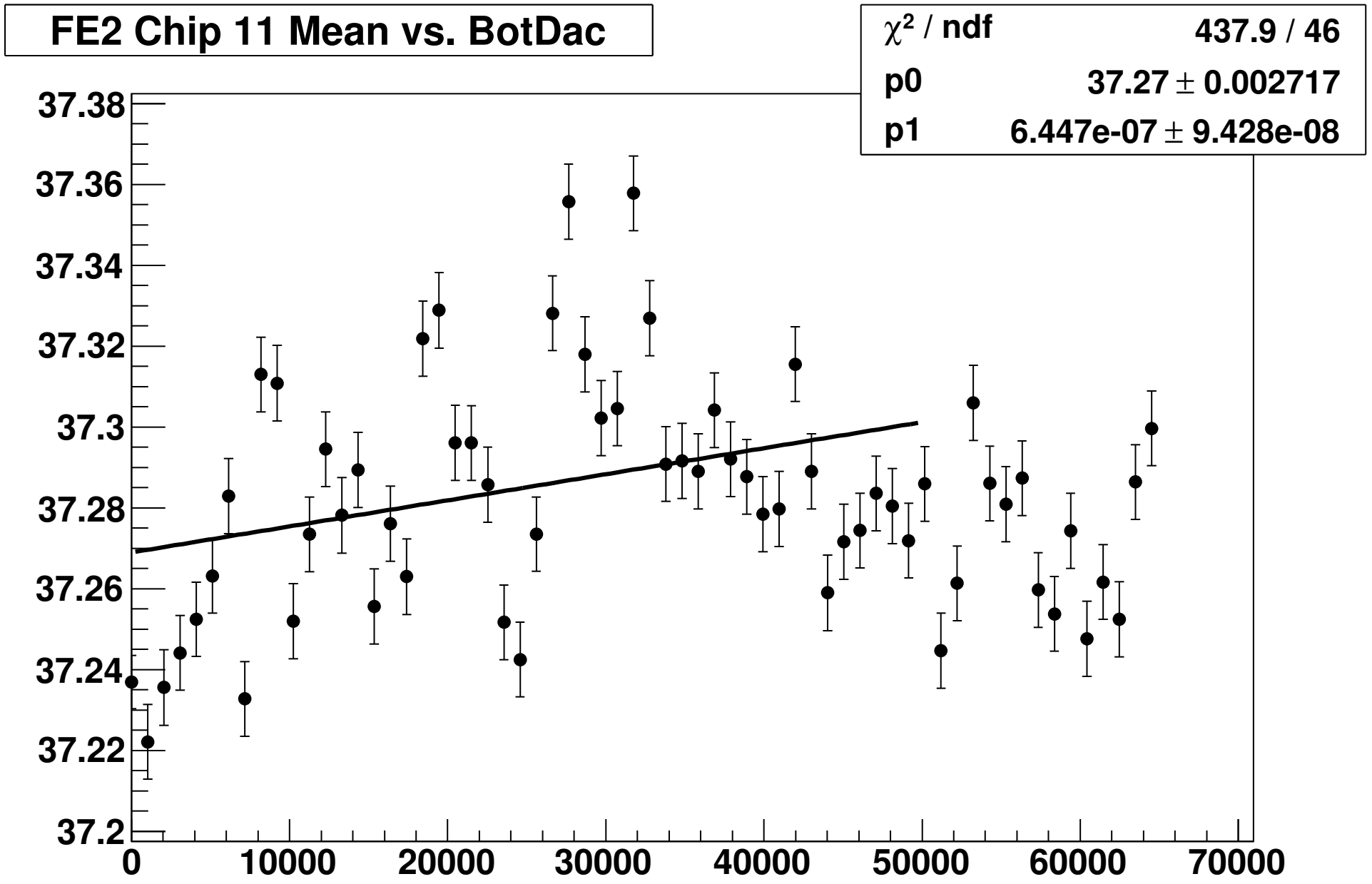
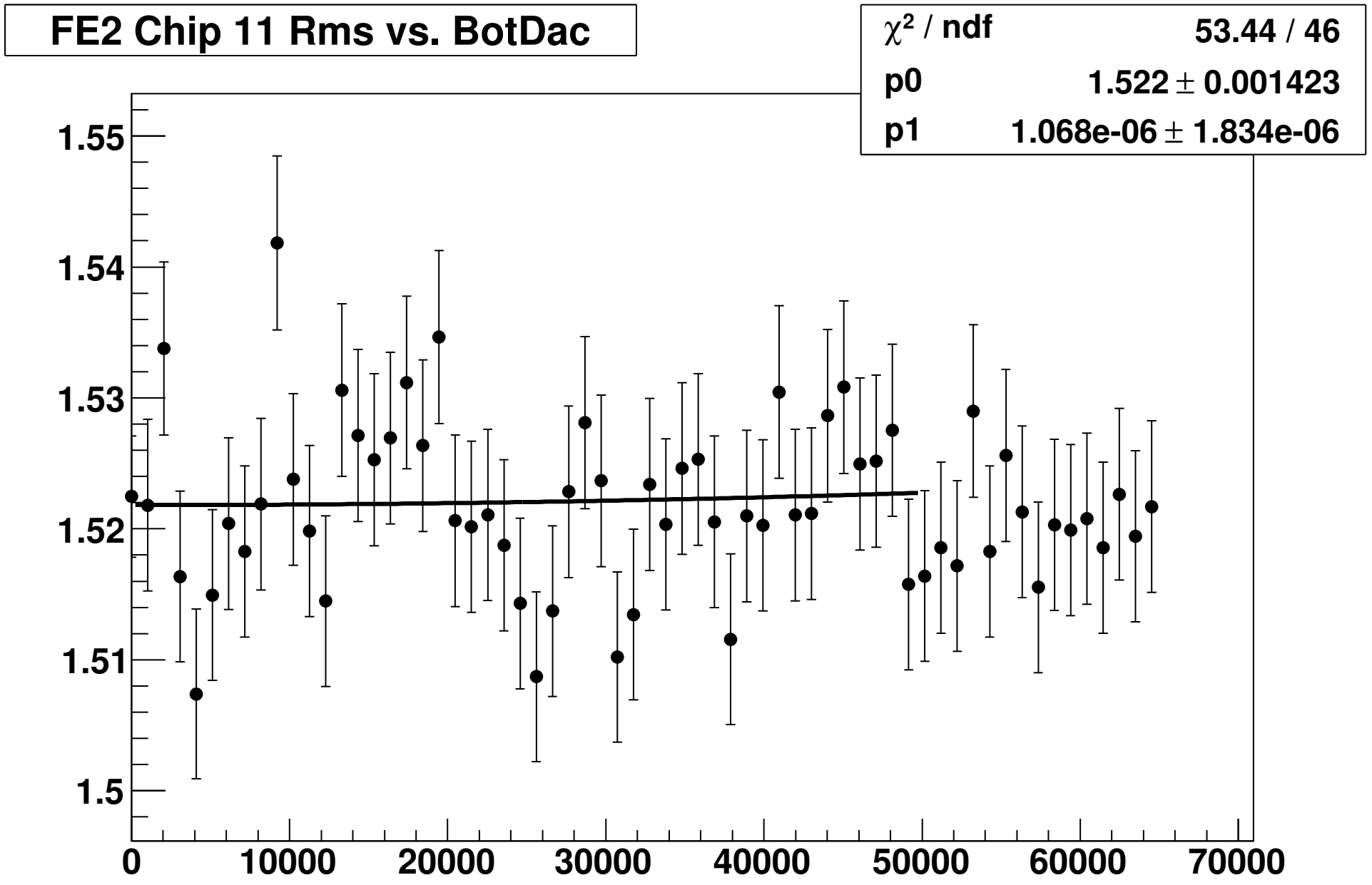
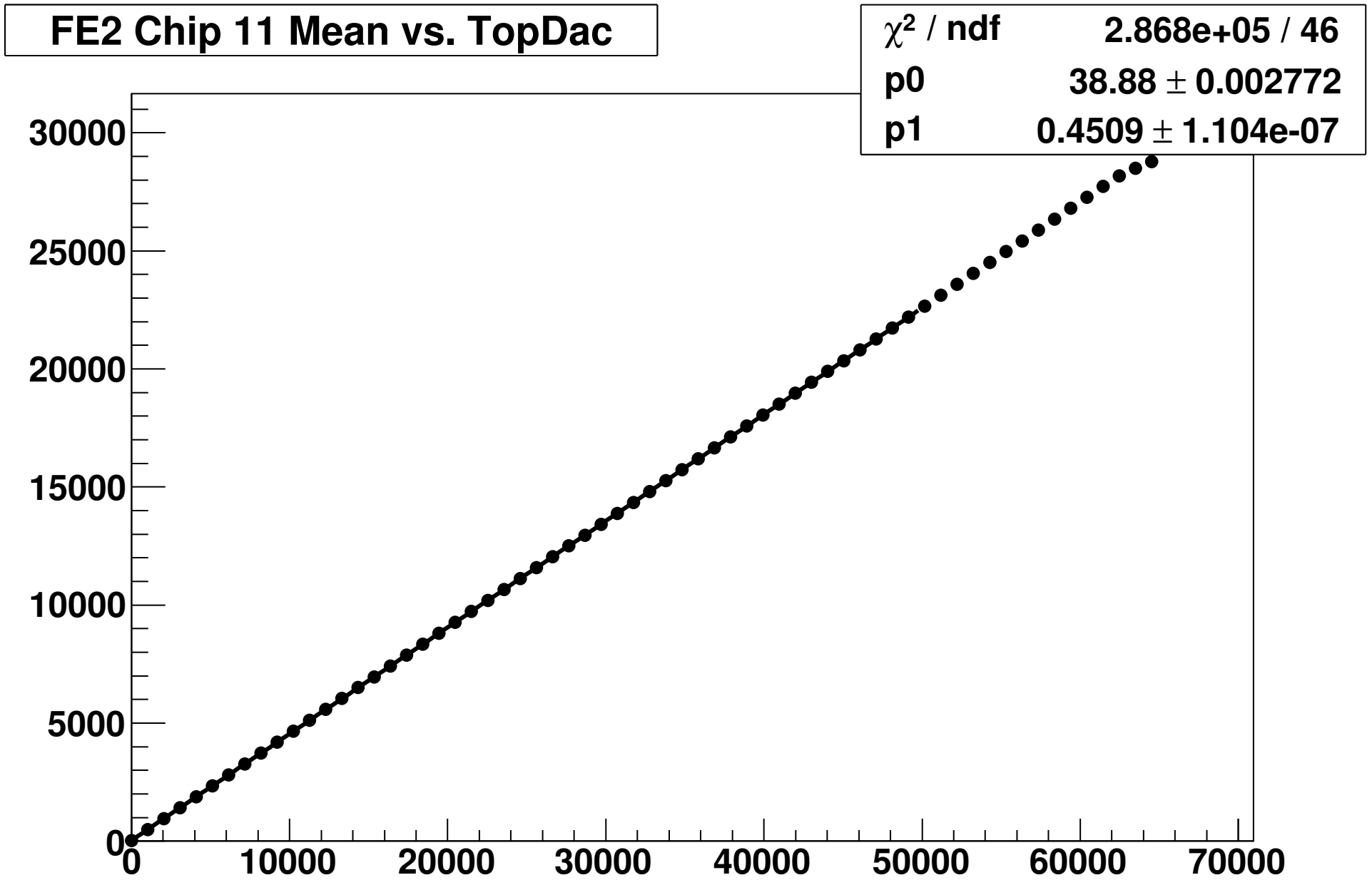
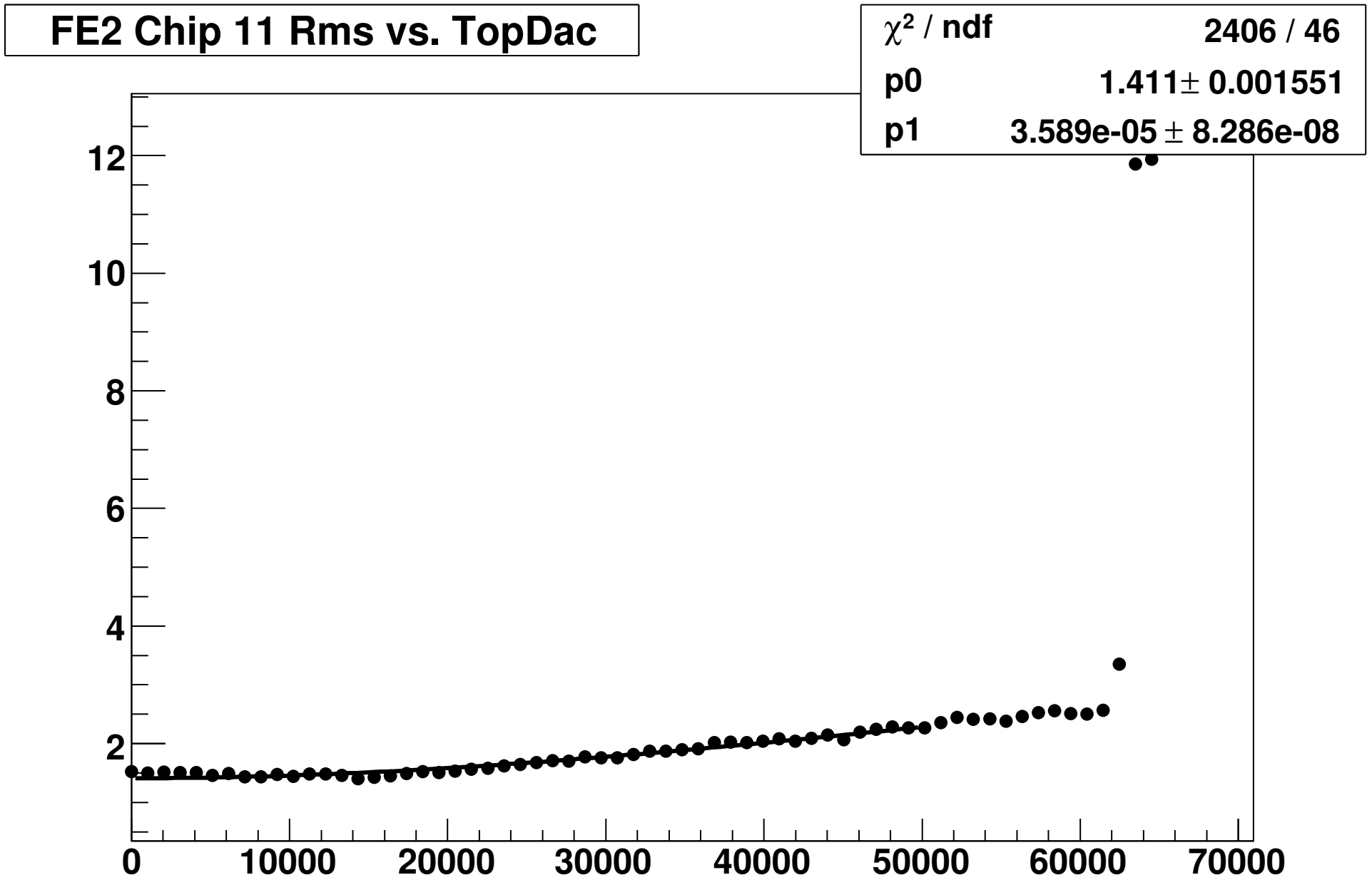
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 2969 / 46
p0 1.387 ± 0.001532
p1 3.602e-05 ± 8.114e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 437.9 / 46
p0 37.27 ± 0.002717
p1 6.447e-07 ± 9.428e-08
37.38
37.36
37.34
37.32
37.3
37.28
37.26
37.24
37.22
37.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 53.44 / 46
p0 1.522 ± 0.001423
p1 1.068e-06 ± 1.834e-06
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 2.868e+05 / 46
p0 38.88 ± 0.002772
p1 0.4509 ± 1.104e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 2406 / 46
p0 1.411± 0.001551
p1 3.589e-05 ± 8.286e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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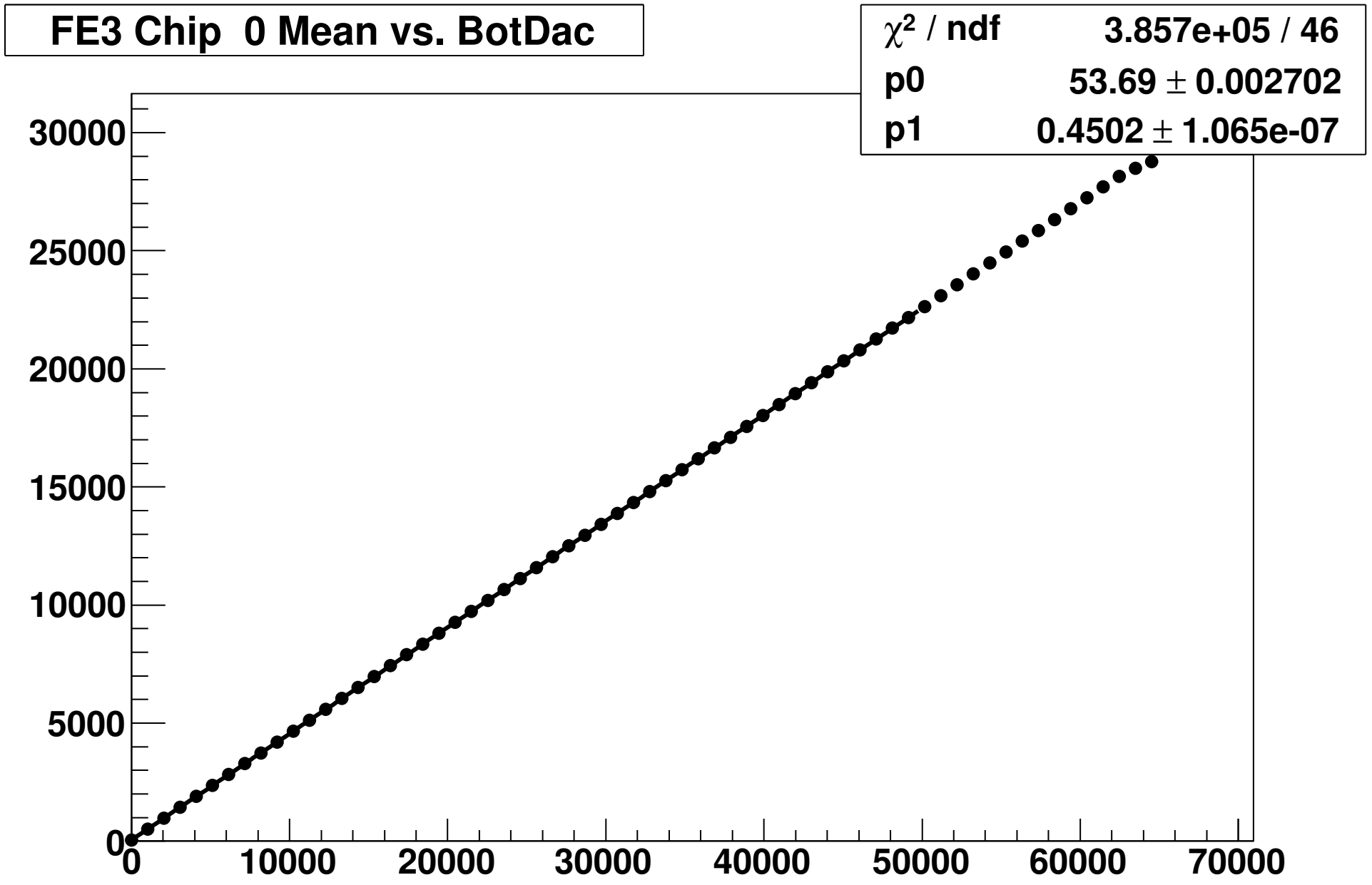
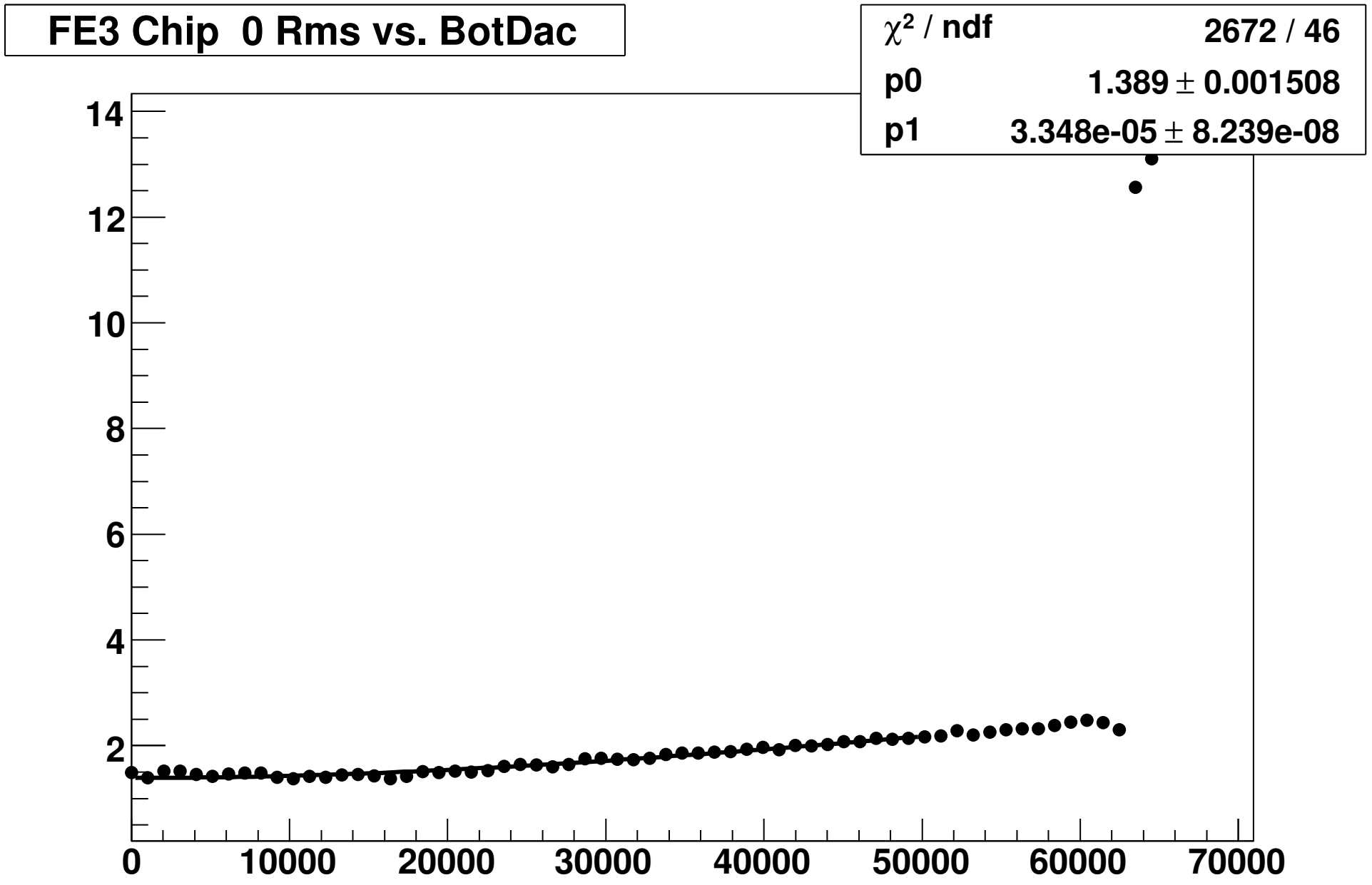
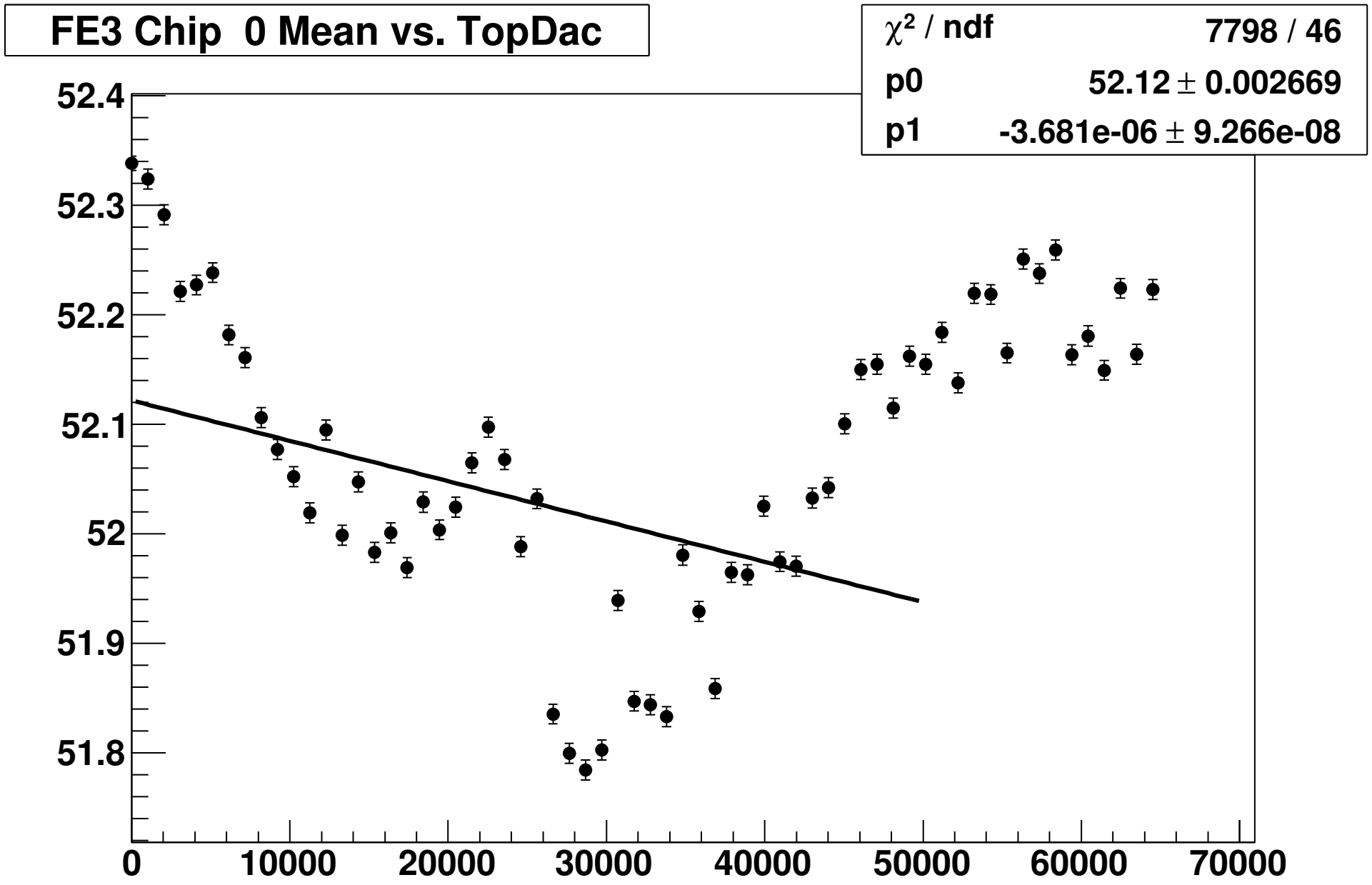
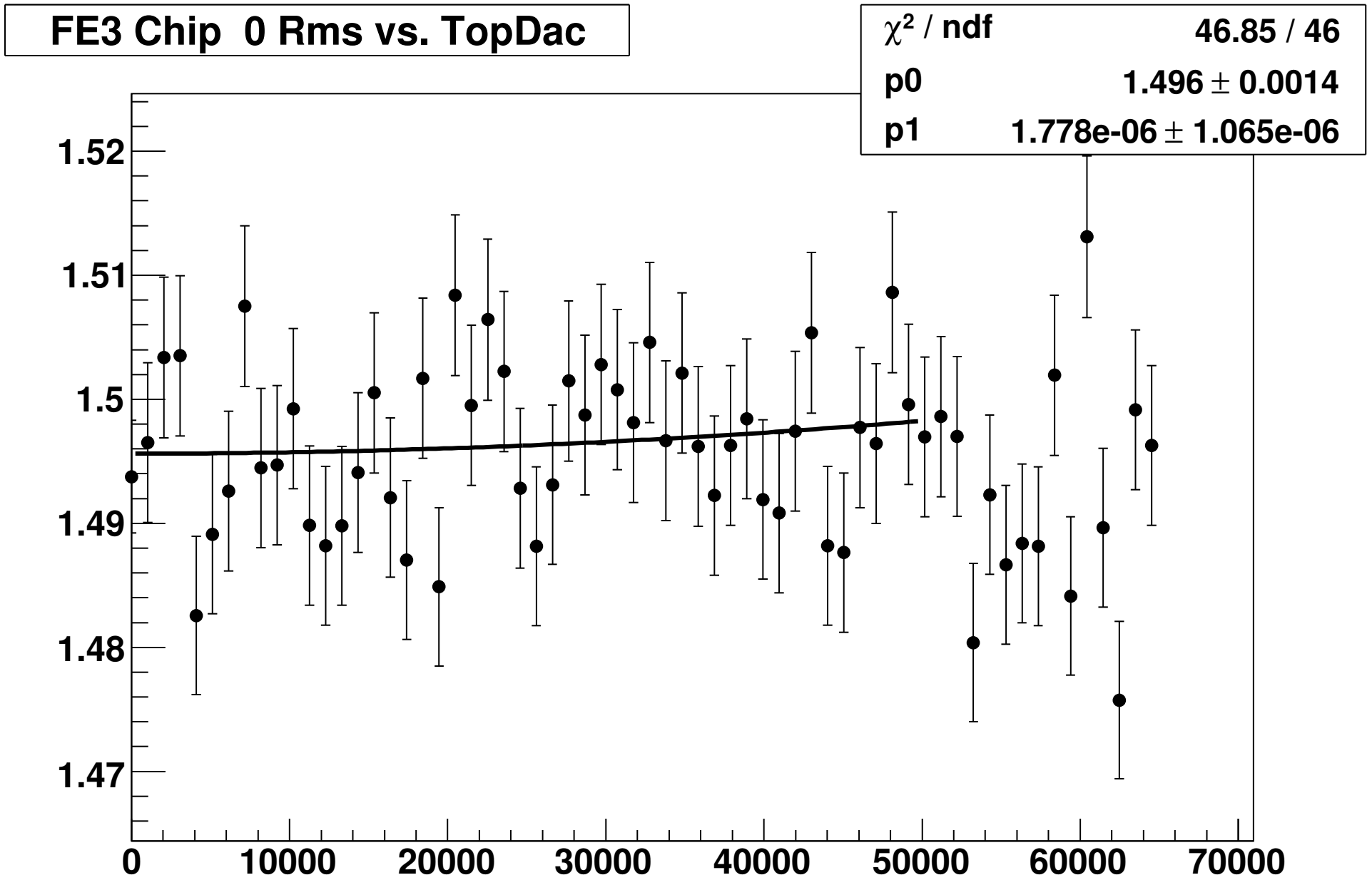
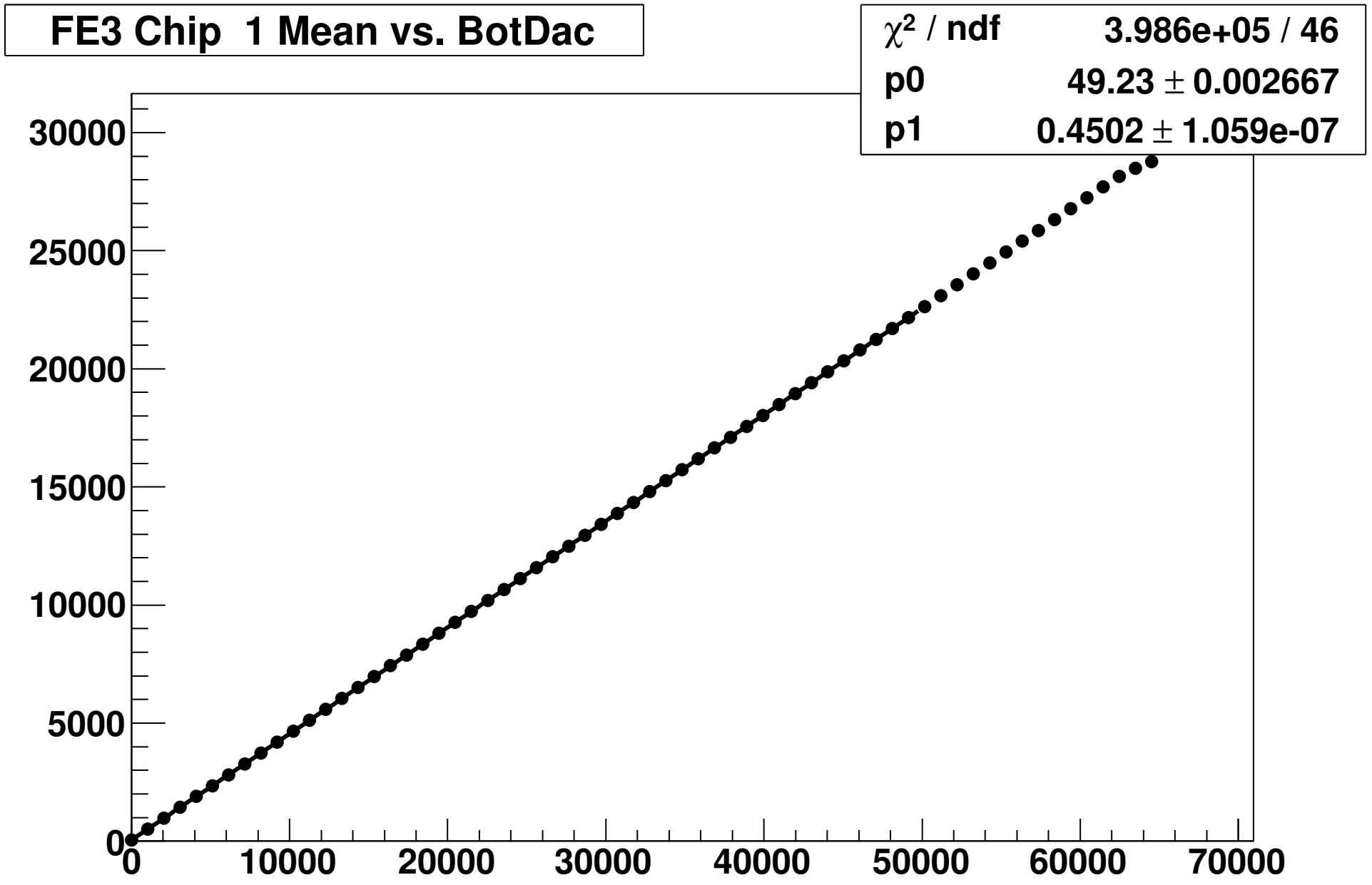
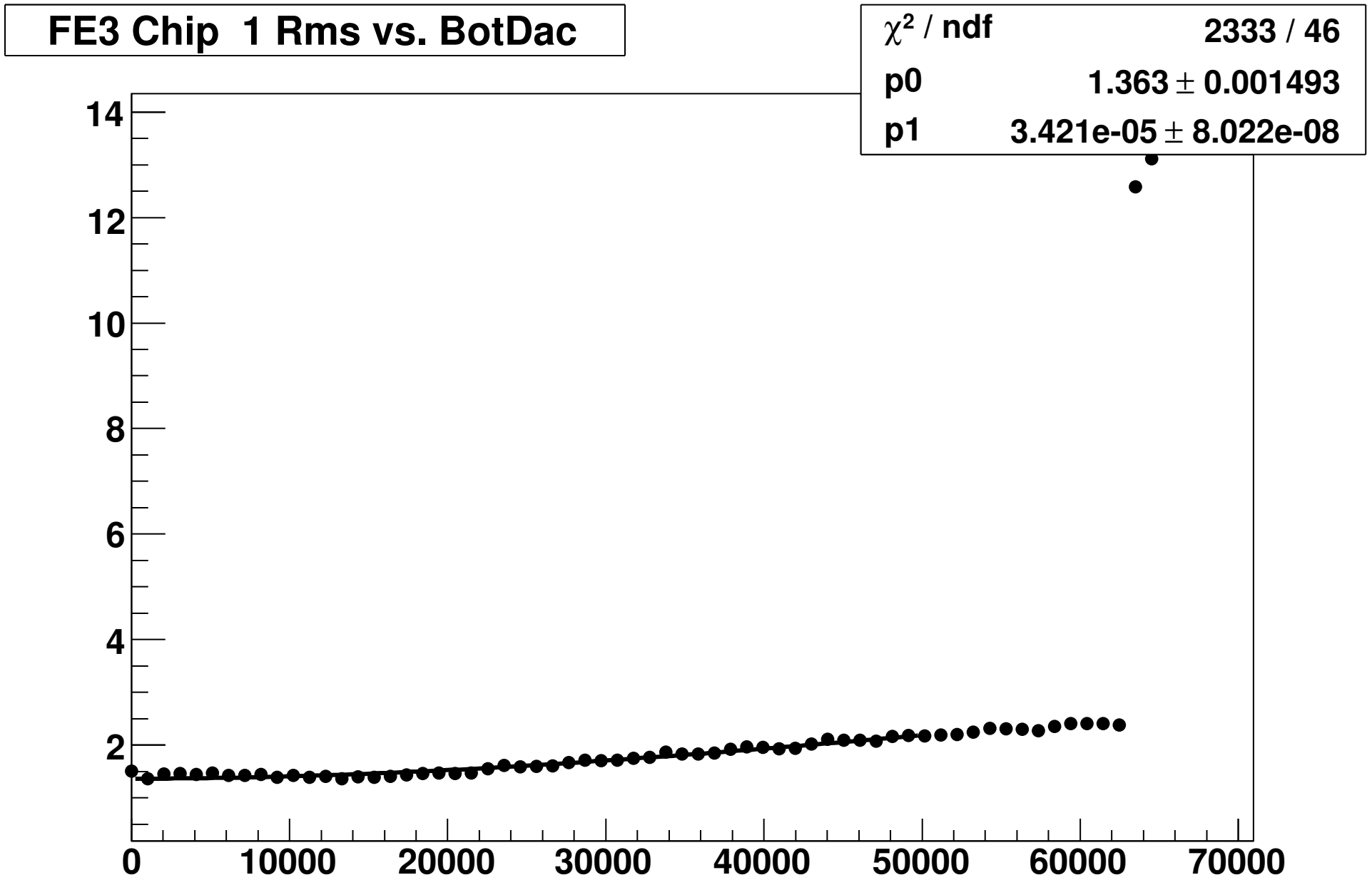

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 3.857e+05 / 46
p0 53.69 ± 0.002702
p1 0.4502 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

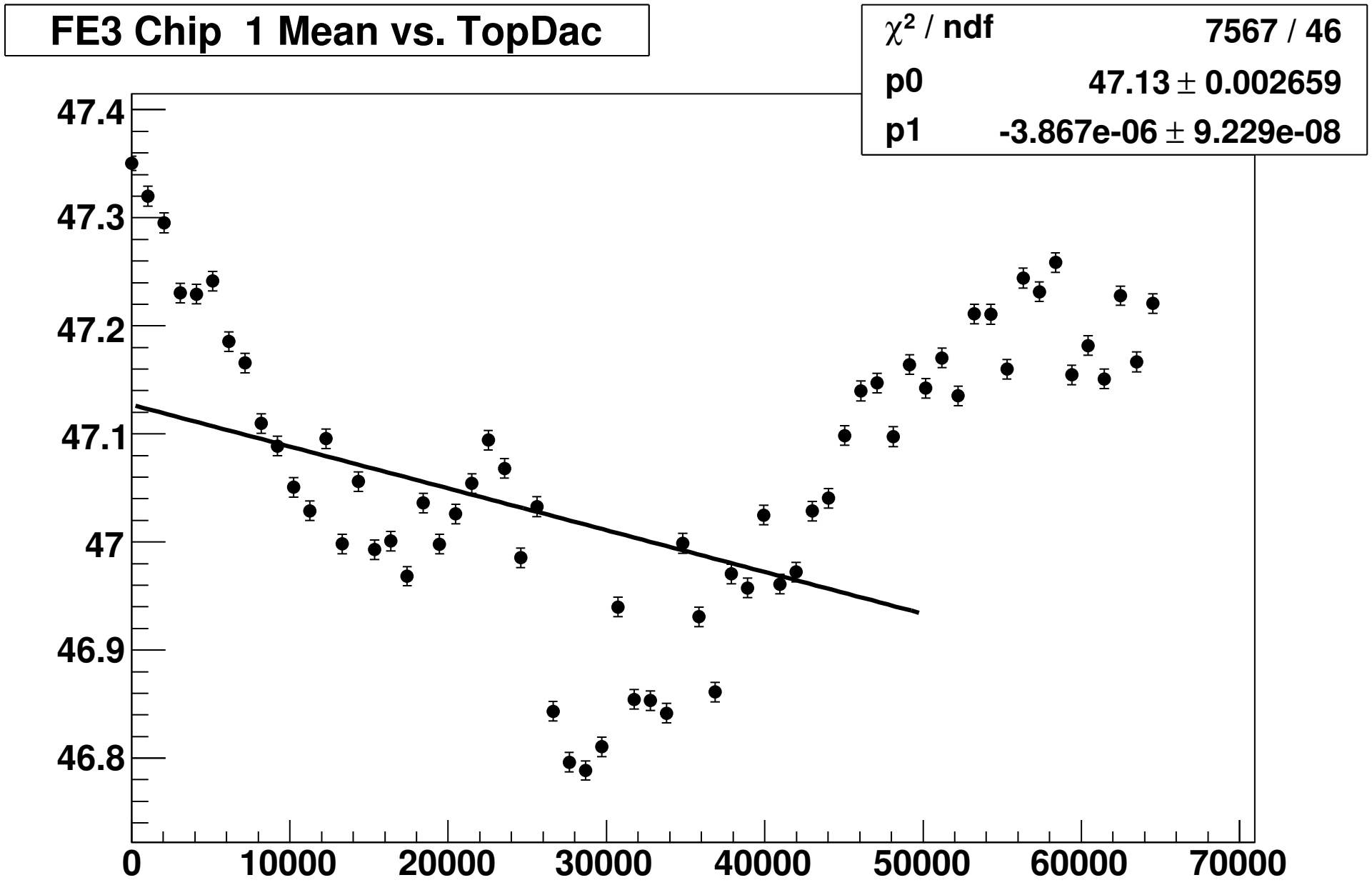

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 2672 / 46
p0 1.389 ± 0.001508
p1 3.348e-05 ± 8.239e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

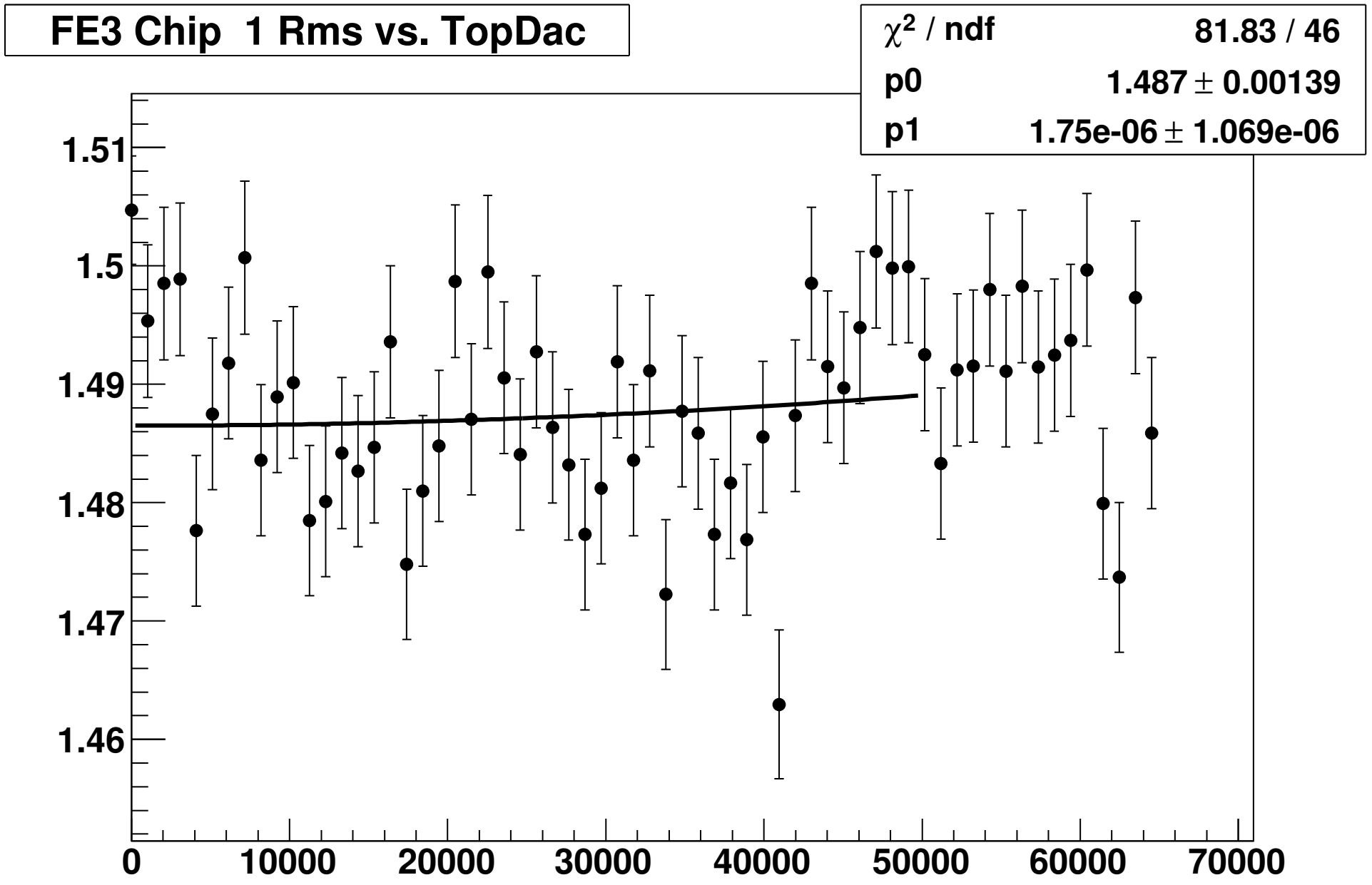

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 7798 / 46
p0 52.12 ± 0.002669
p1 -3.681e-06 ± 9.266e-08
52.4
52.3
52.2
52.1
52
51.9
51.8
0
10000
20000
30000
40000
50000
60000
70000

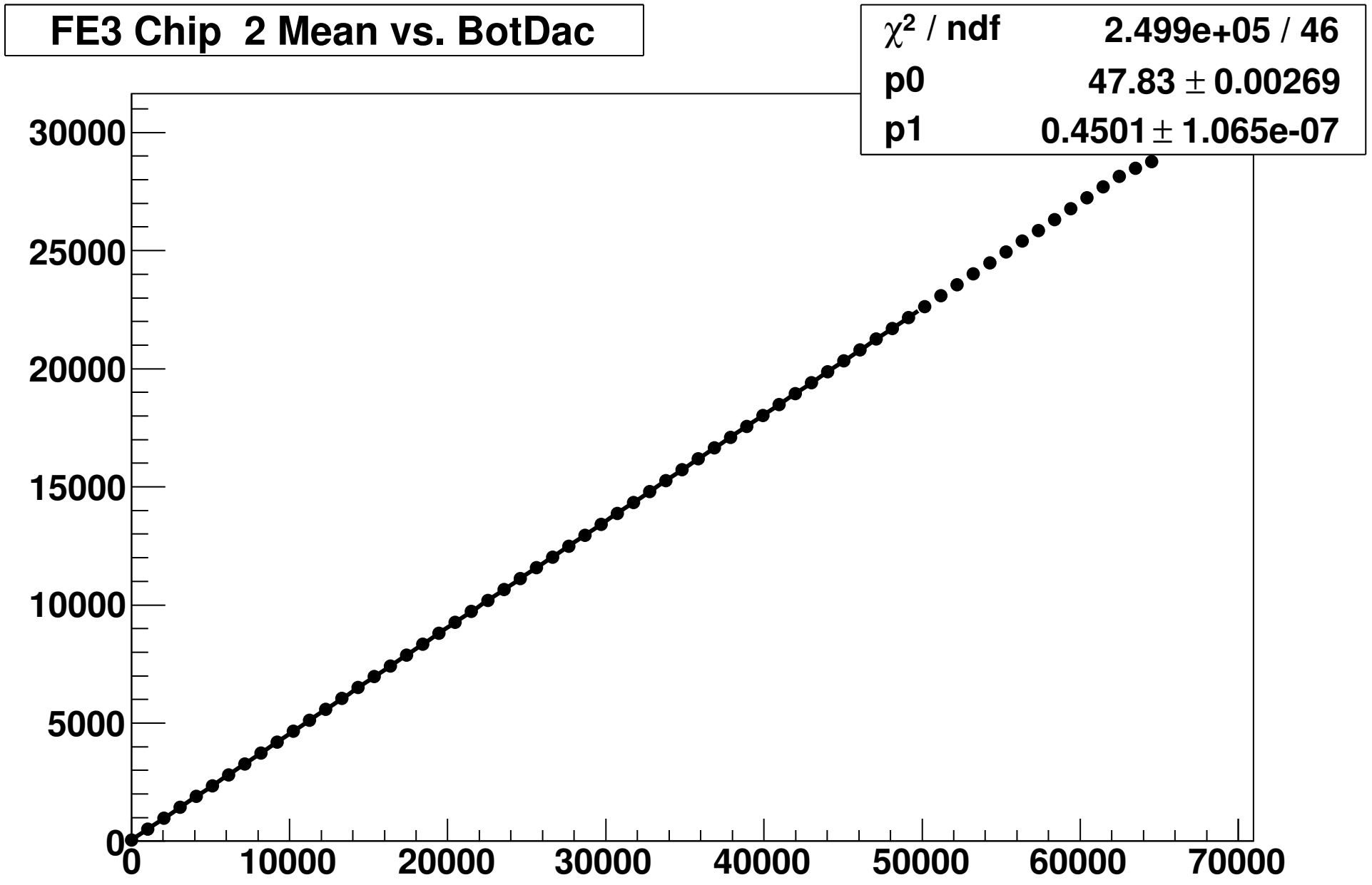

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 46.85 / 46
p0 1.496 ± 0.0014
p1 1.778e-06 ± 1.065e-06
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 3.986e+05 / 46
p0 49.23 ± 0.002667
p1 0.4502 ± 1.059e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 2333 / 46
p0 1.363 ± 0.001493
p1 3.421e-05 ± 8.022e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 7567 / 46
p0 47.13 ± 0.002659
p1 -3.867e-06 ± 9.229e-08
47.4
47.3
47.2
47.1
47
46.9
46.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 81.83 / 46
p0 1.487 ± 0.00139
p1 1.75e-06 ± 1.069e-06
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 2.499e+05 / 46
p0 47.83 ± 0.00269
p1 0.4501 ± 1.065e-07
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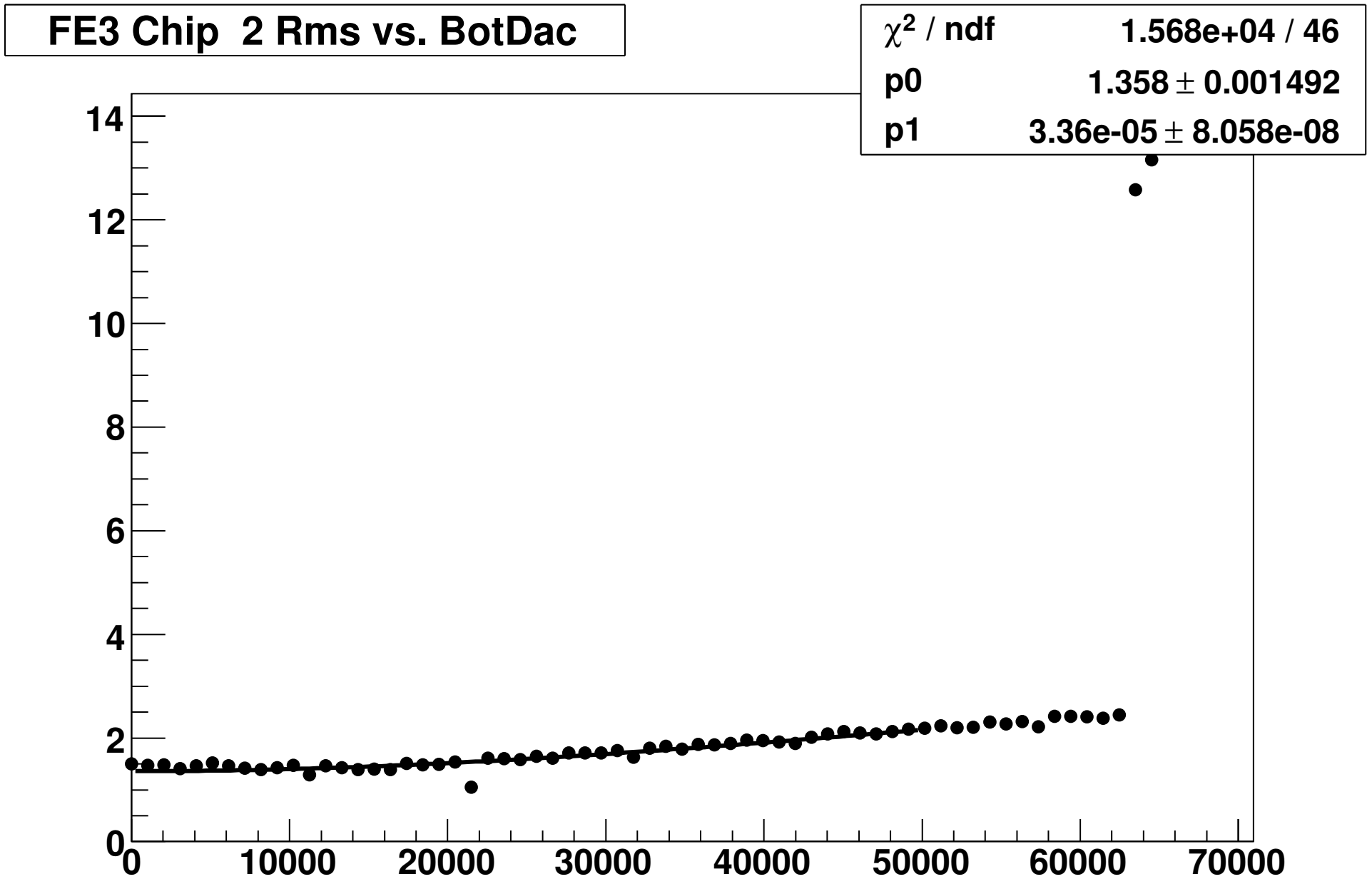
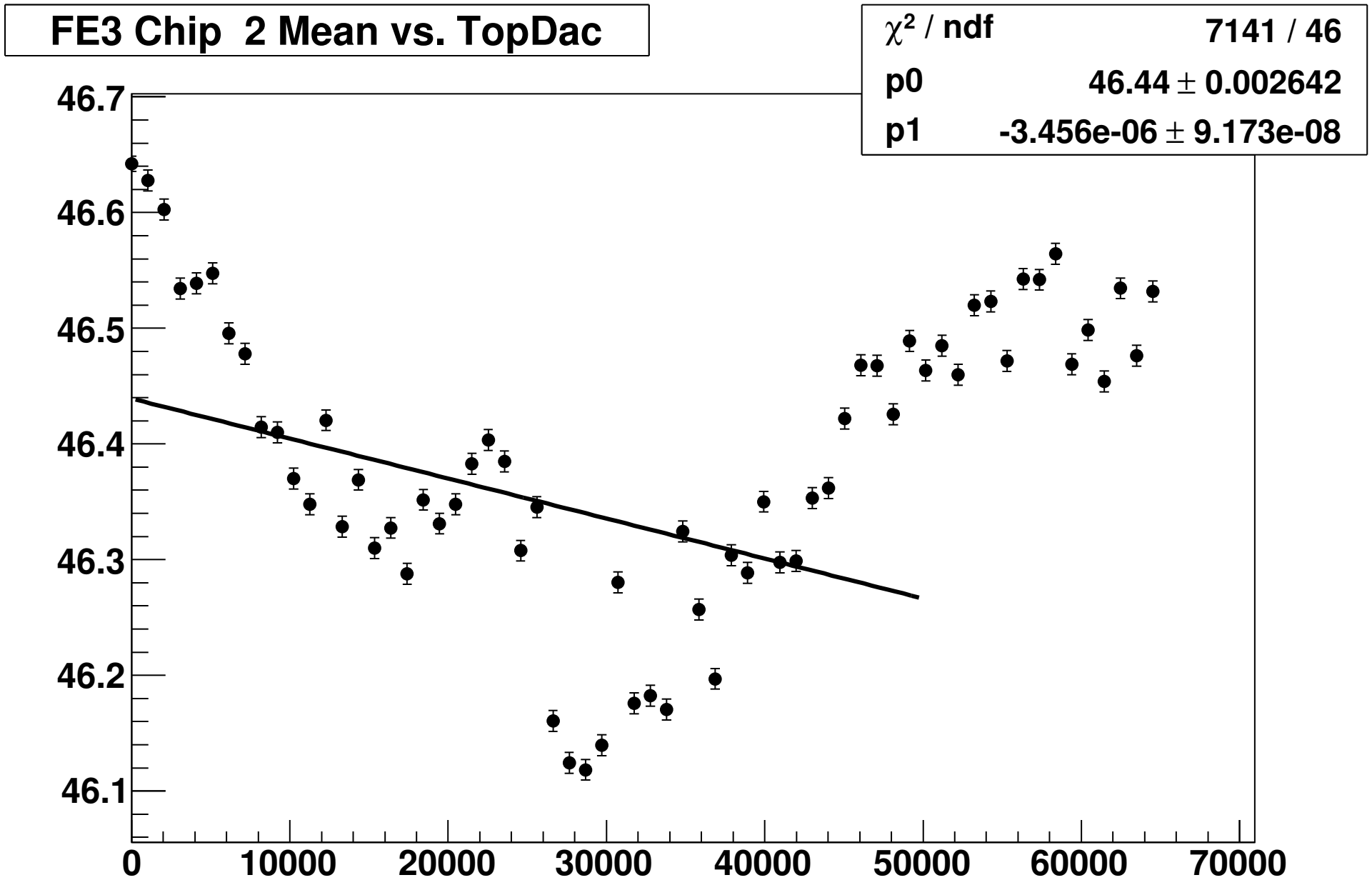
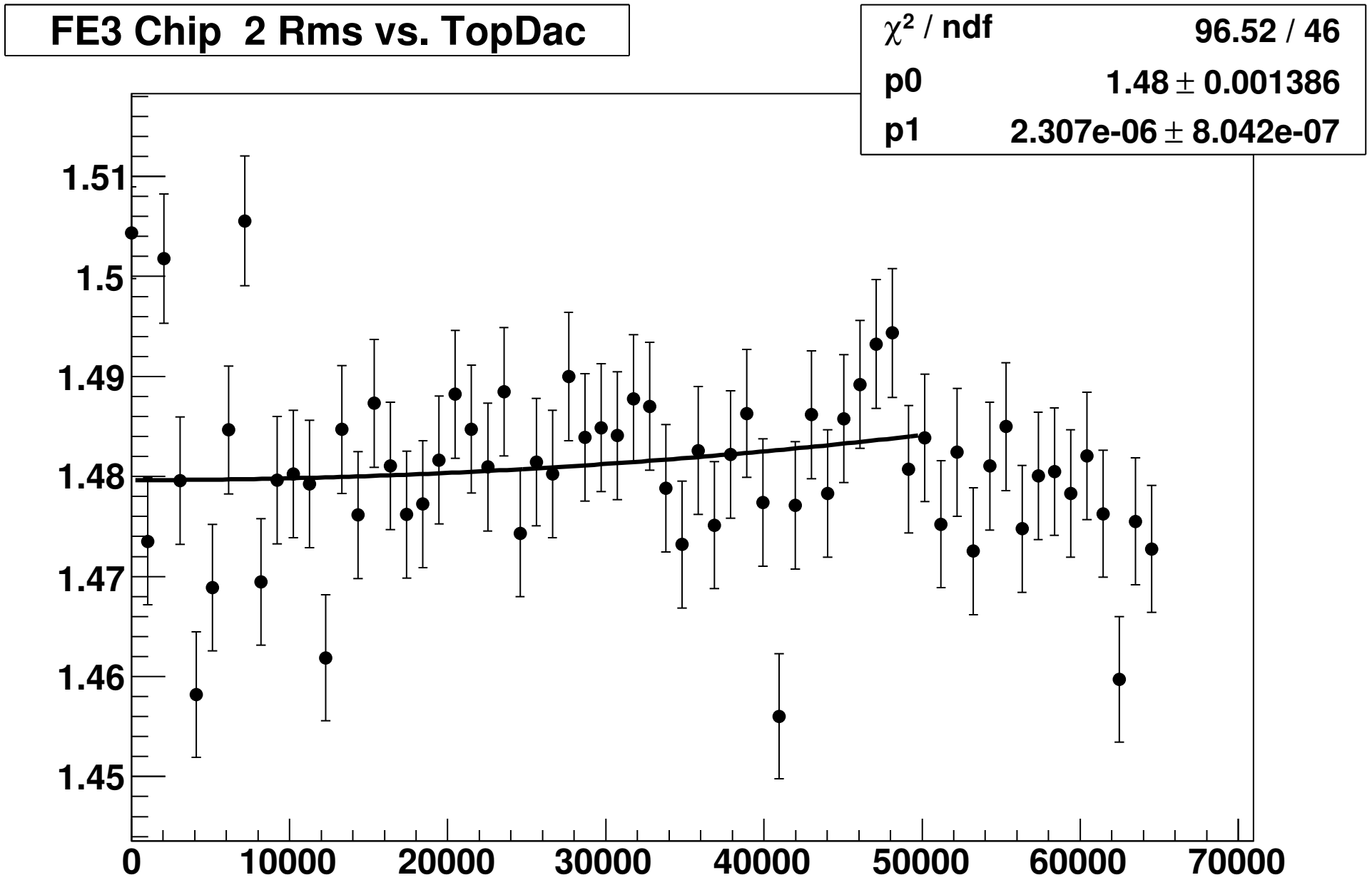
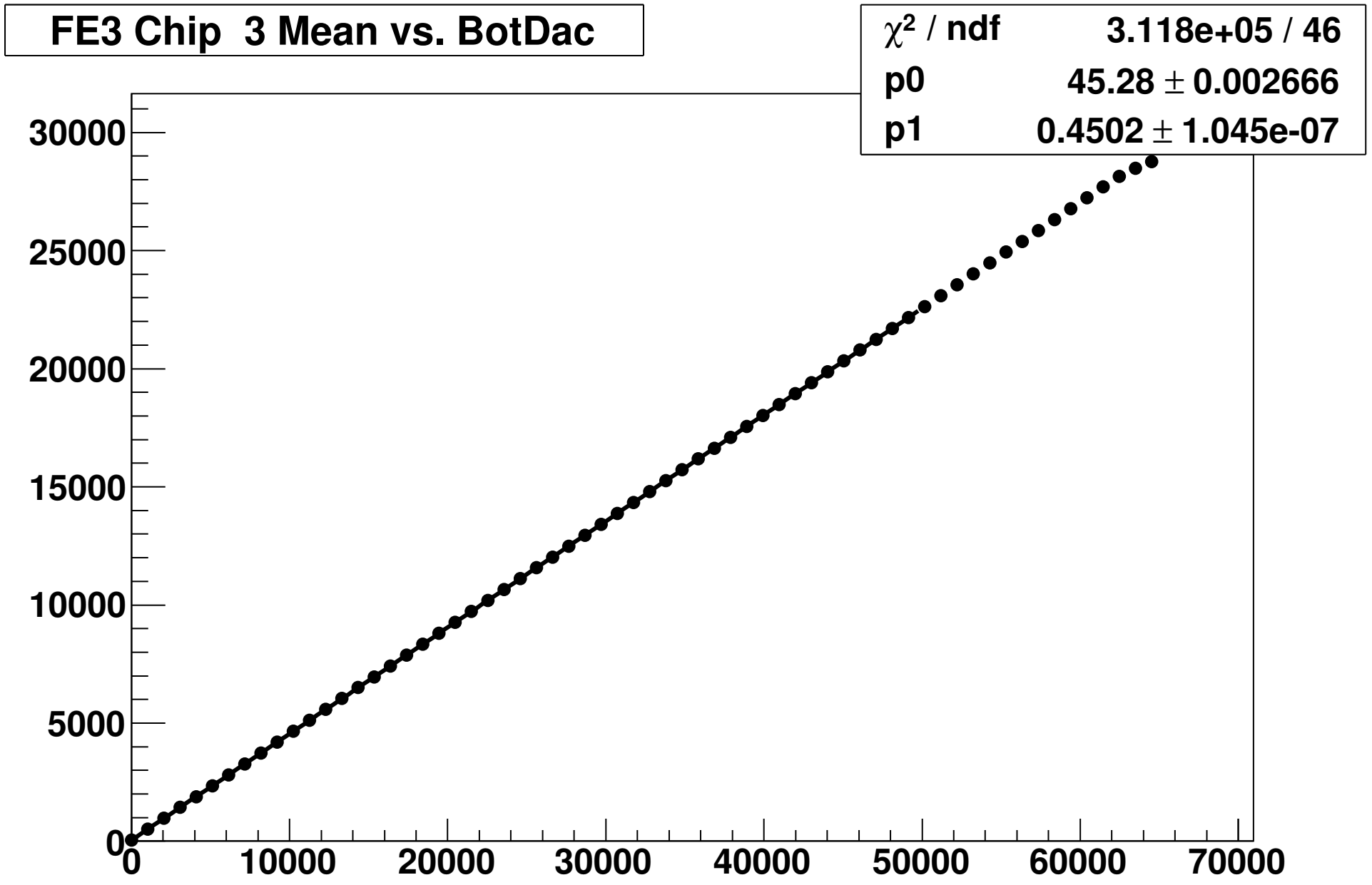
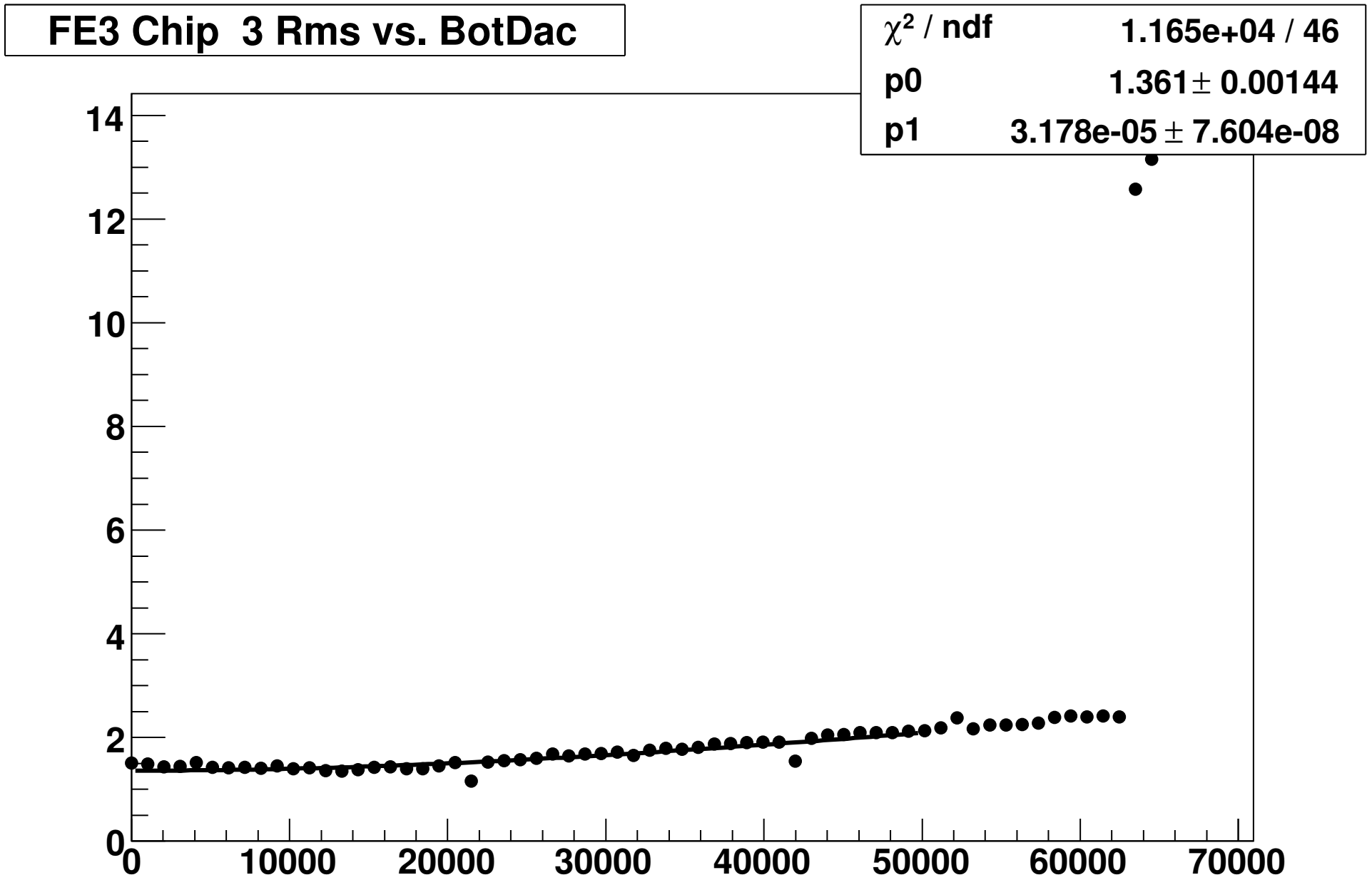
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

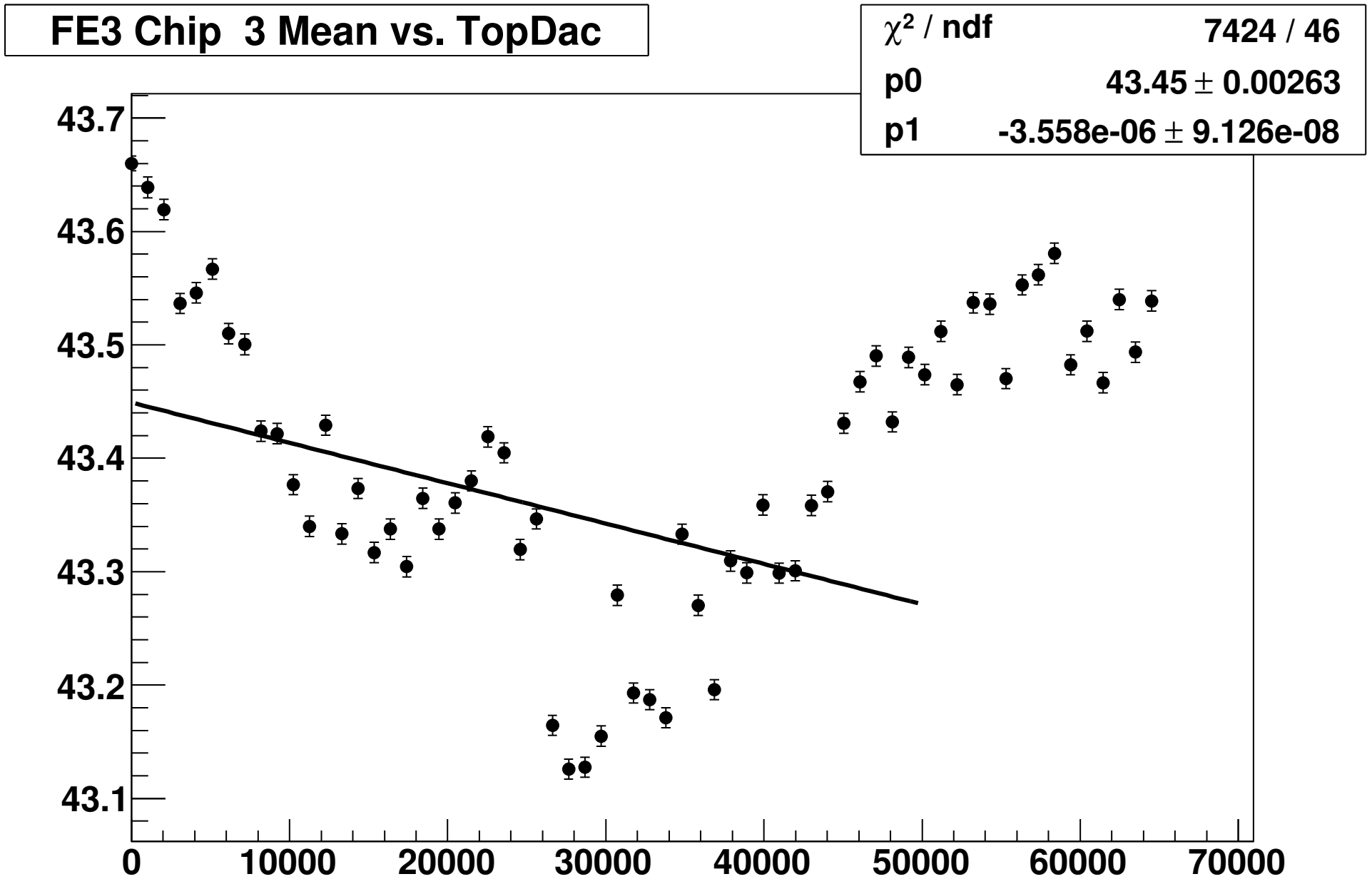

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1.568e+04 / 46
p0 1.358 ± 0.001492
p1 3.36e-05 ± 8.058e-08
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

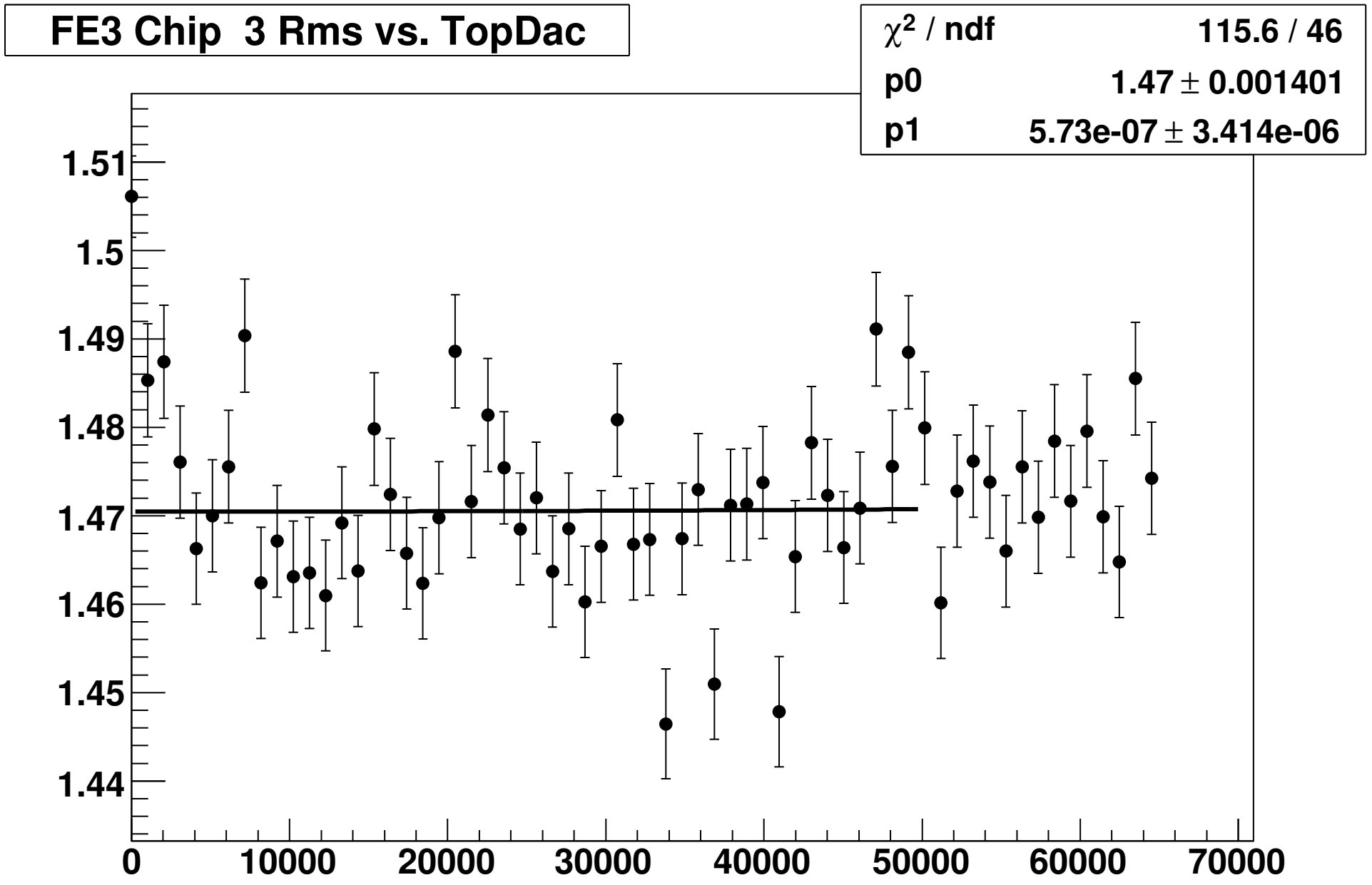

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 7141 / 46
p0 46.44 ± 0.002642
p1 -3.456e-06 ± 9.173e-08
46.7
46.6
46.5
46.4
46.3
46.2
46.1
0
10000
20000
30000
40000
50000
60000
70000

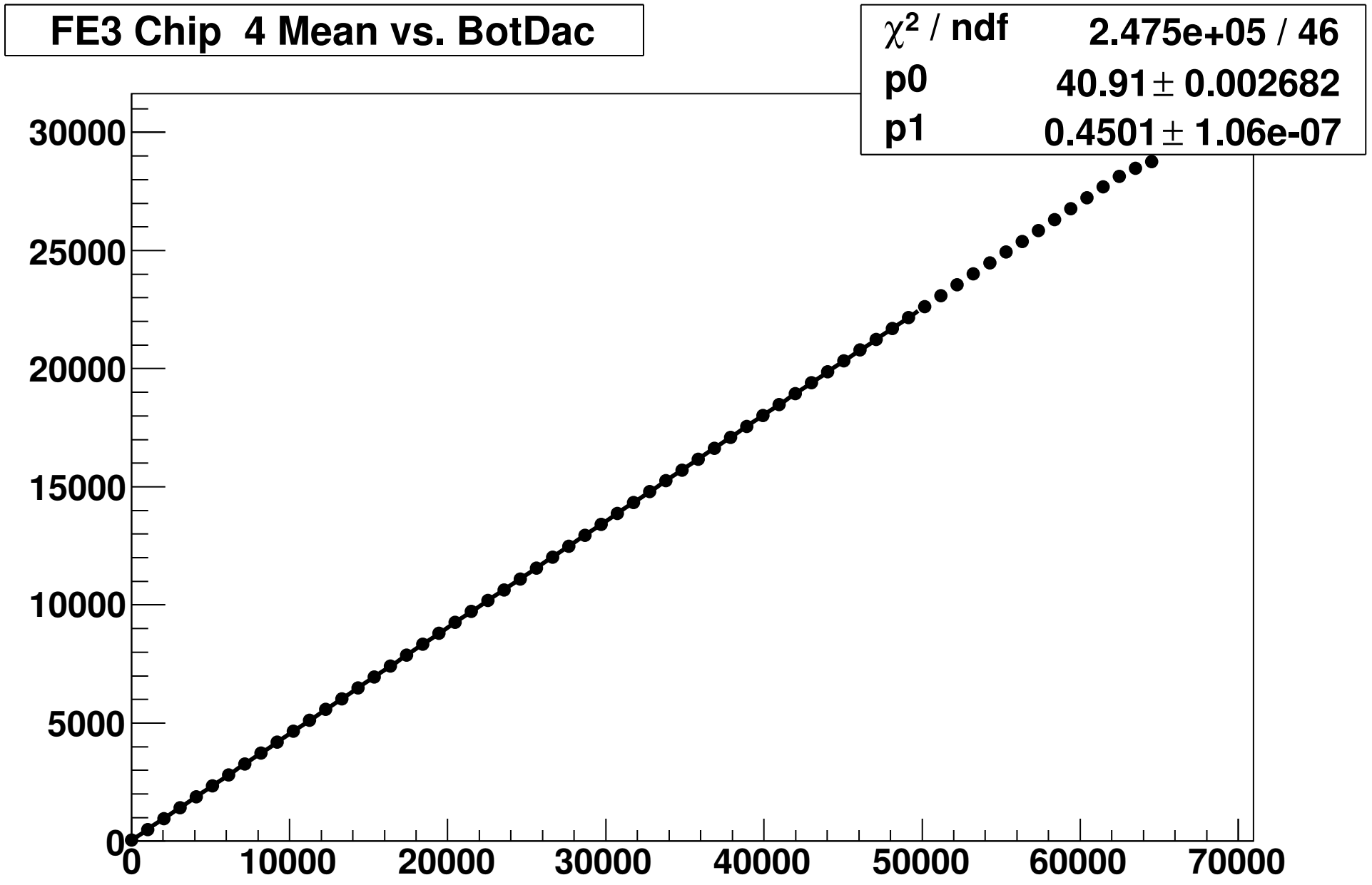

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 96.52 / 46
p0 1.48 ± 0.001386
p1 2.307e-06 ± 8.042e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

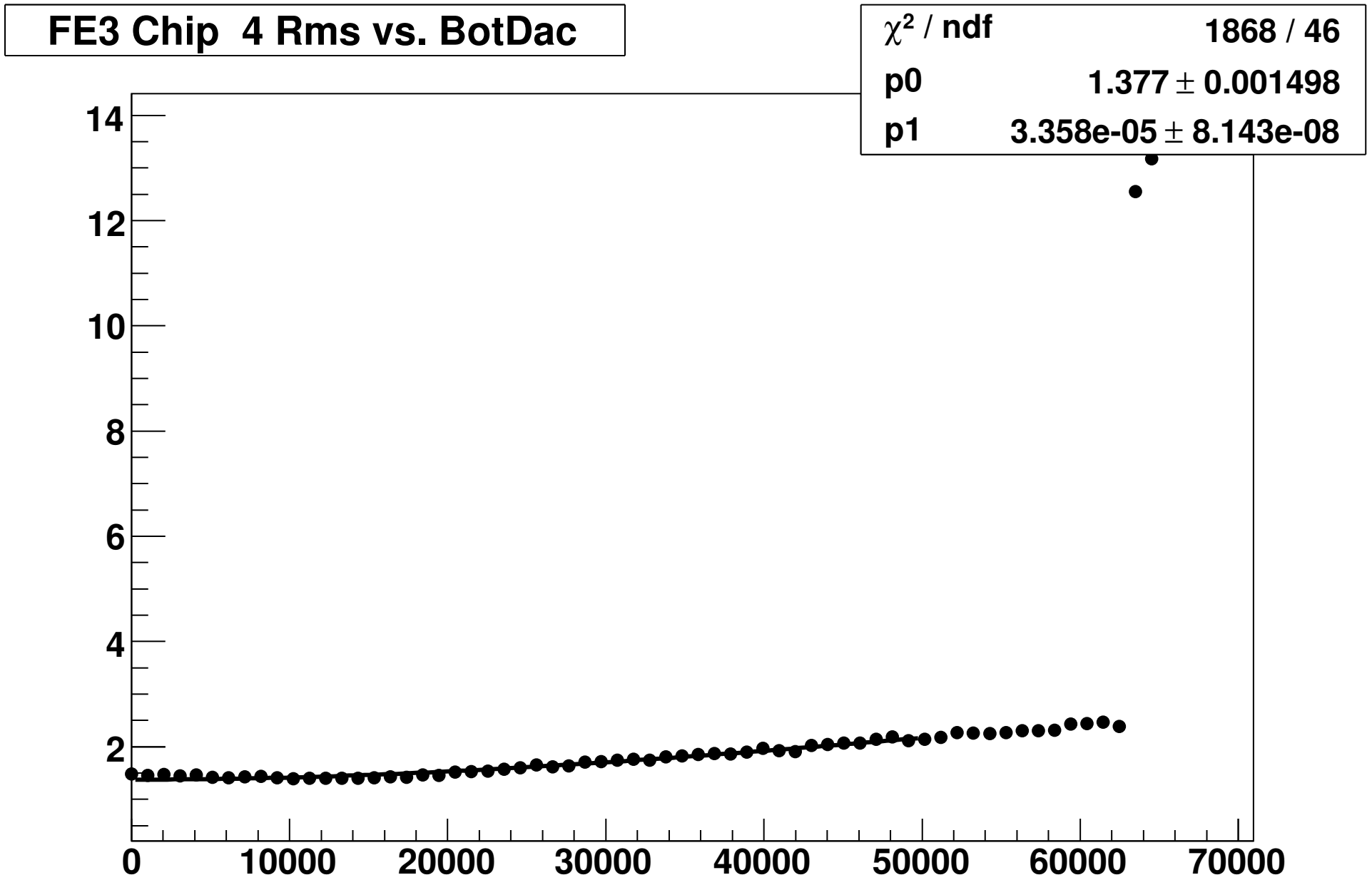

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 3.118e+05 / 46
p0 45.28 ± 0.002666
p1 0.4502 ± 1.045e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

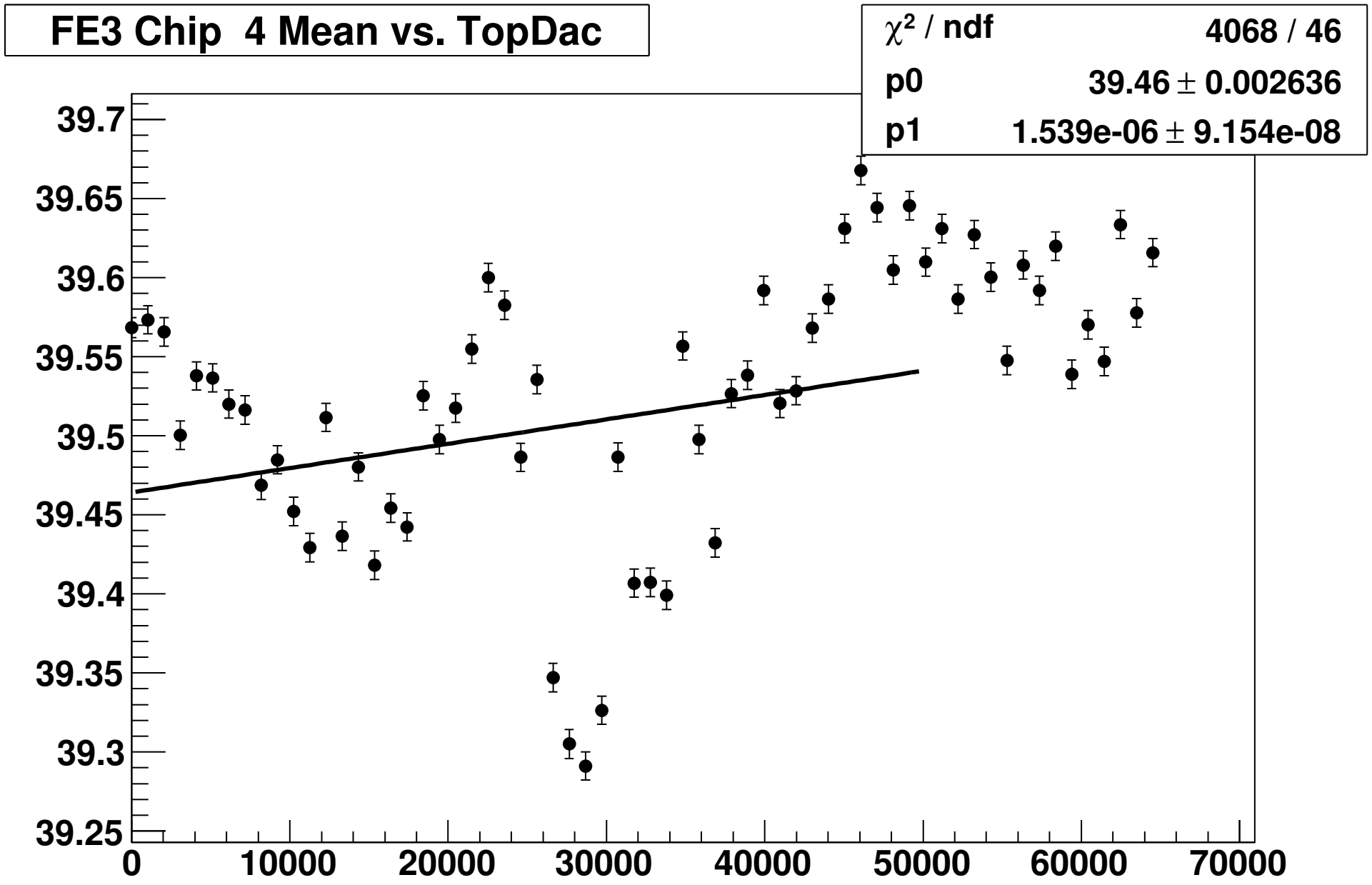

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1.165e+04 / 46
p0 1.361 ± 0.00144
p1 3.178e-05 ± 7.604e-08
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 7424 / 46
p0 43.45 ± 0.00263
p1 -3.558e-06 ± 9.126e-08
43.7
43.6
43.5
43.4
43.3
43.2
43.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 115.6 / 46
p0 1.47 ± 0.001401
p1 5.73e-07 ± 3.414e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 2.475e+05 / 46
p0 40.91 ± 0.002682
p1 0.4501 ± 1.06e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1868 / 46
p0 1.377 ± 0.001498
p1 3.358e-05 ± 8.143e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 4068 / 46
p0 39.46 ± 0.002636
p1 1.539e-06 ± 9.154e-08
39.7
39.65
39.6
39.55
39.5
39.45
39.4
39.35
39.3
39.25
0
10000
20000
30000
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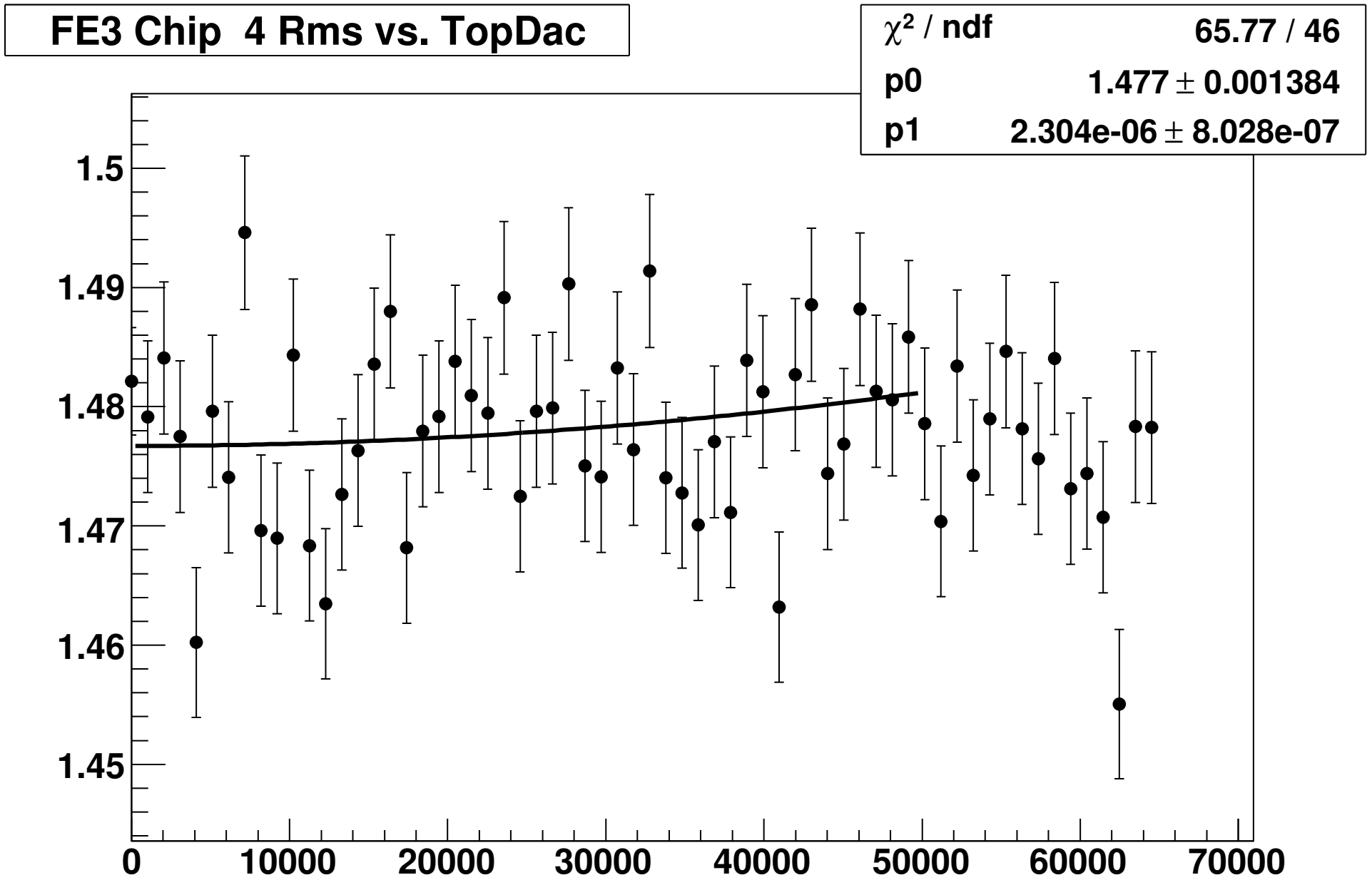
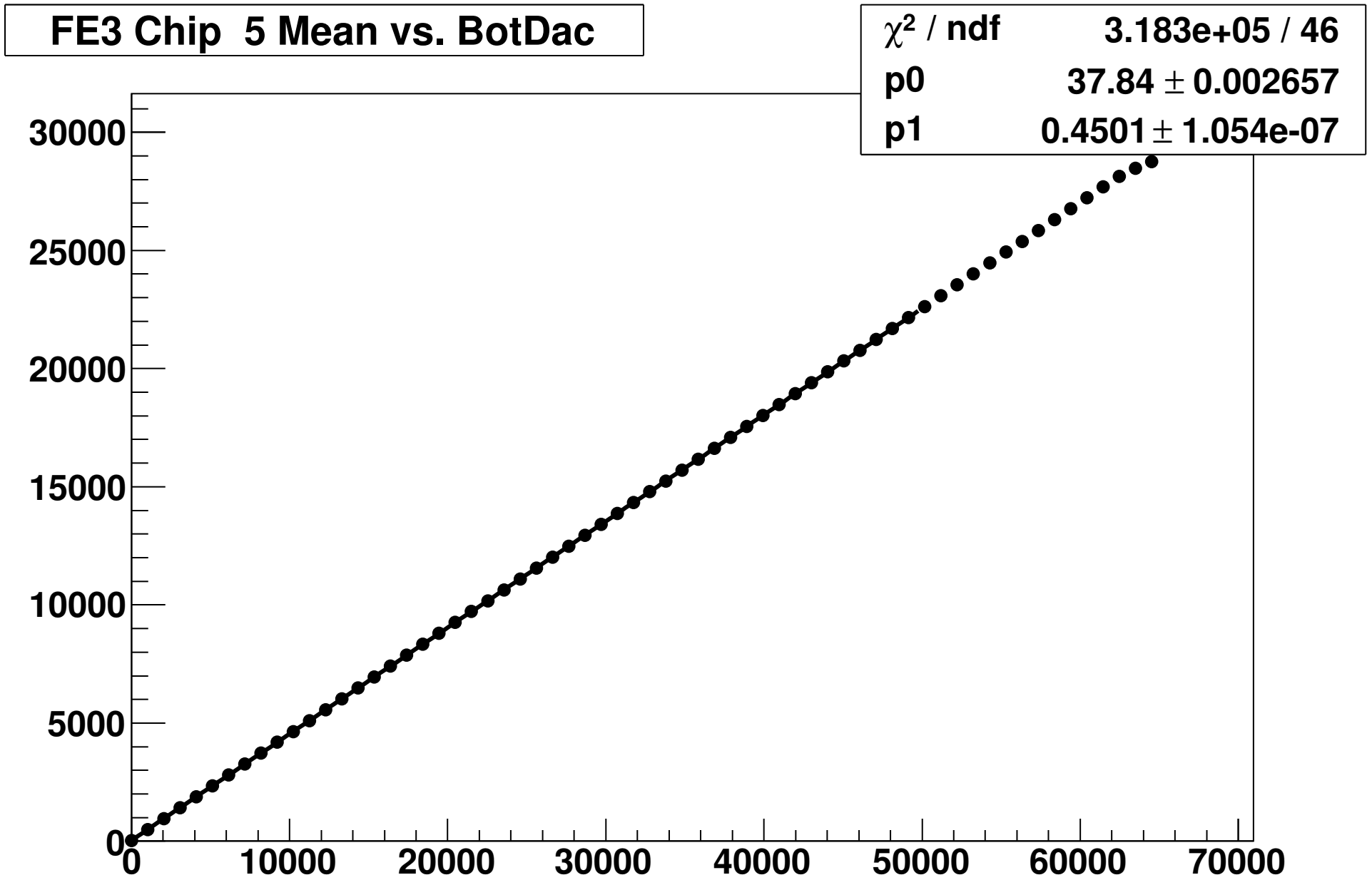
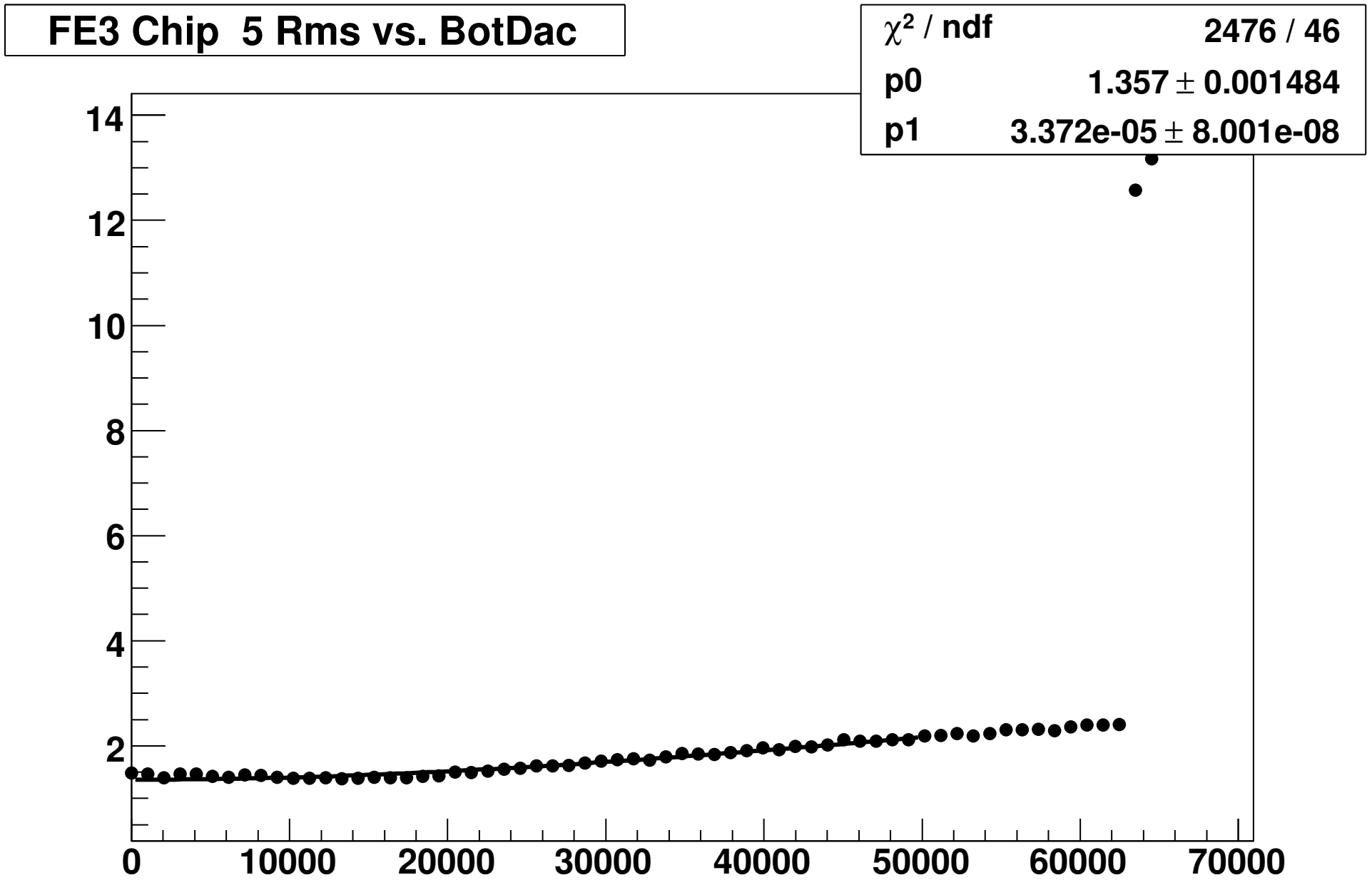

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 65.77 / 46
p0 1.477 ± 0.001384
p1 2.304e-06 ± 8.028e-07
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 3.183e+05 / 46
p0 37.84 ± 0.002657
p1 0.4501 ± 1.054e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 2476 / 46
p0 1.357 ± 0.001484
p1 3.372e-05 ± 8.001e-08
14
12
10
8
6
4
2
0
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20000
30000
40000
50000
60000
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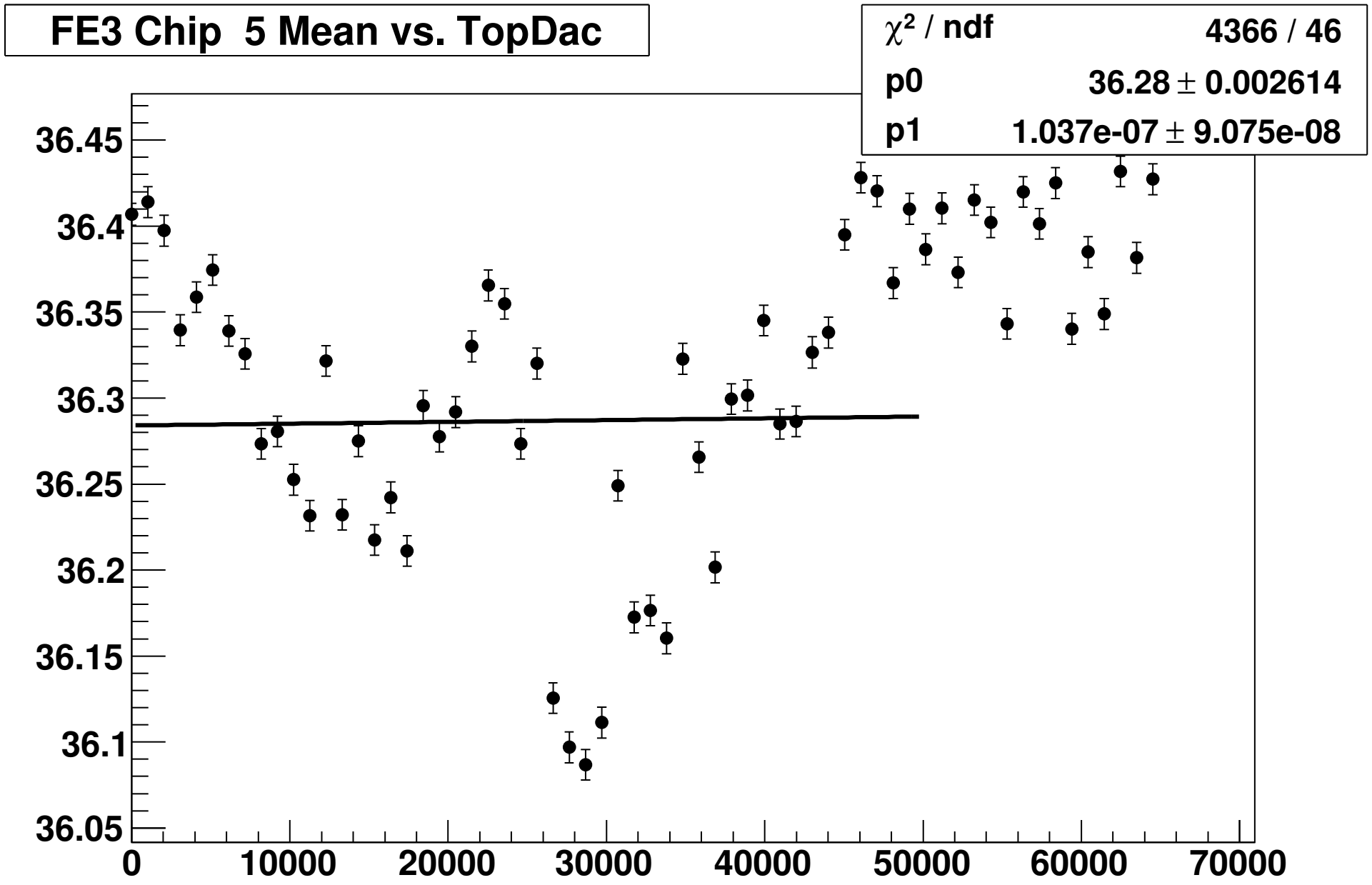
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 4366 / 46
p0 36.28 ± 0.002614
p1 1.037e-07 ± 9.075e-08
36.45
36.4
36.35
36.3
36.25
36.2
36.15
36.1
36.05
0
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20000
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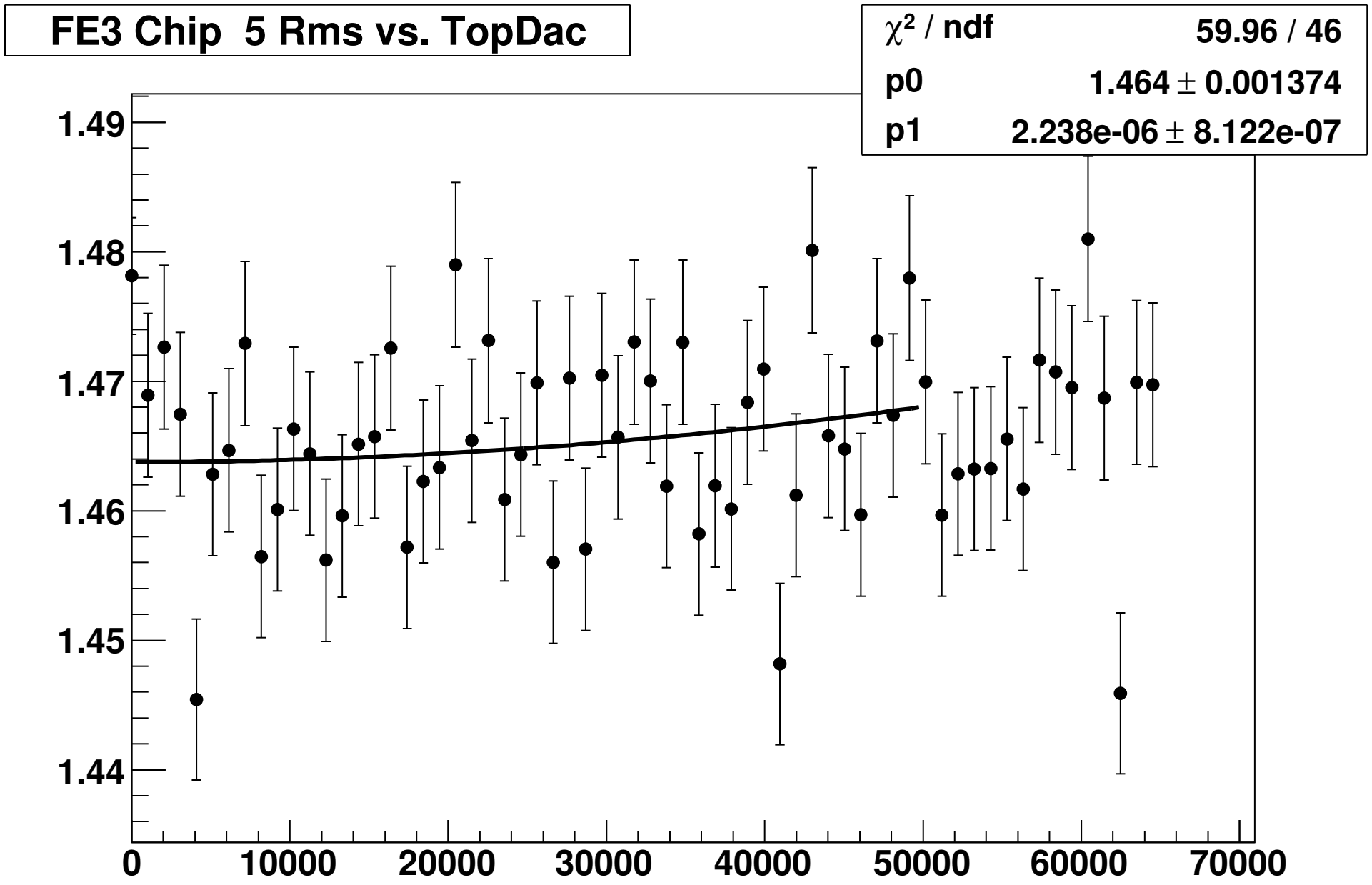
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 59.96 / 46
p0 1.464 ± 0.001374
p1 2.238e-06 ± 8.122e-07
1.49
1.48
1.47
1.46
1.45
1.44
0
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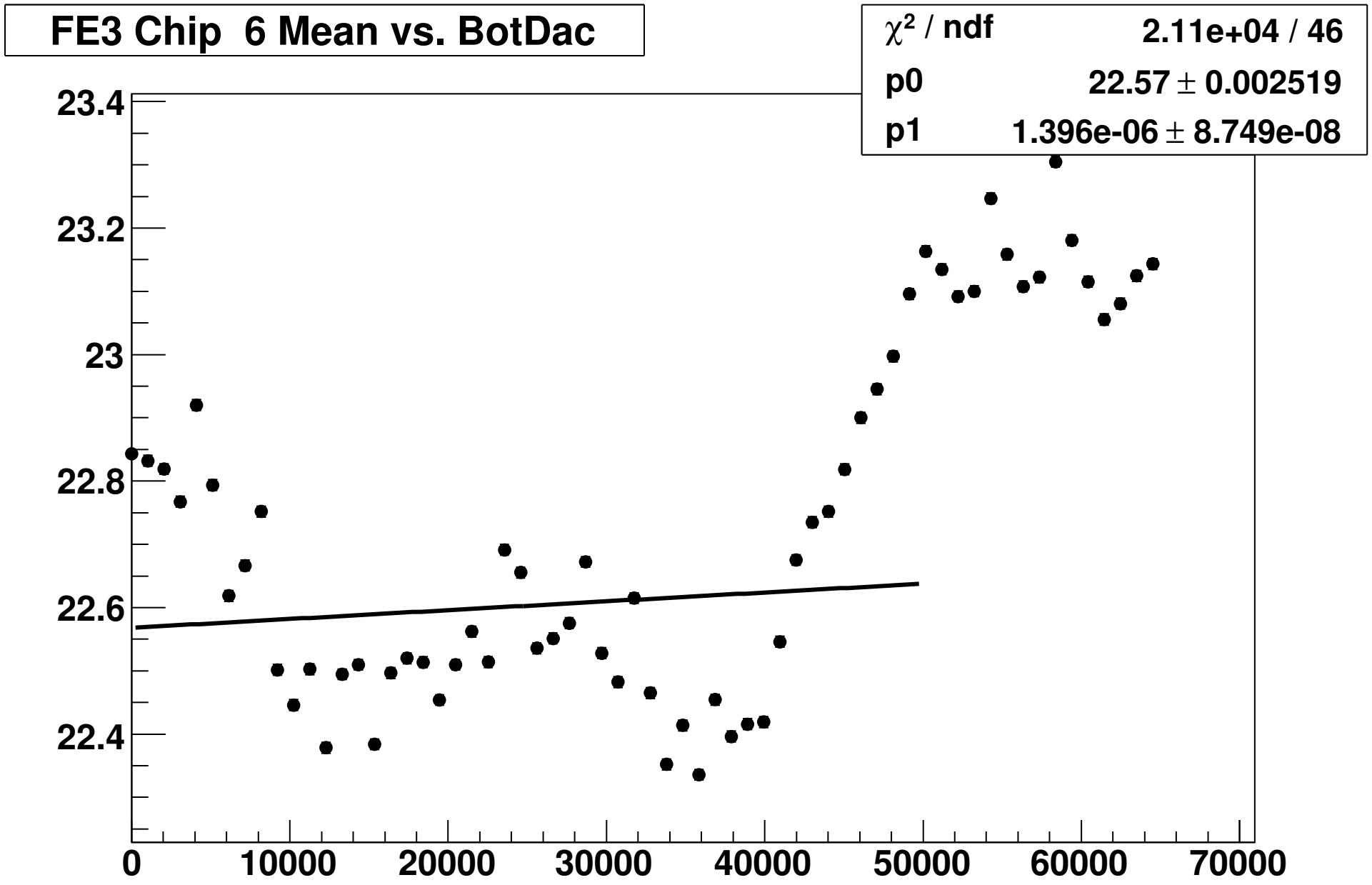
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 2.11e+04 / 46
p0 22.57 ± 0.002519
p1 1.396e-06 ± 8.749e-08
23.4
23.2
23
22.8
22.6
22.4
0
10000
20000
30000
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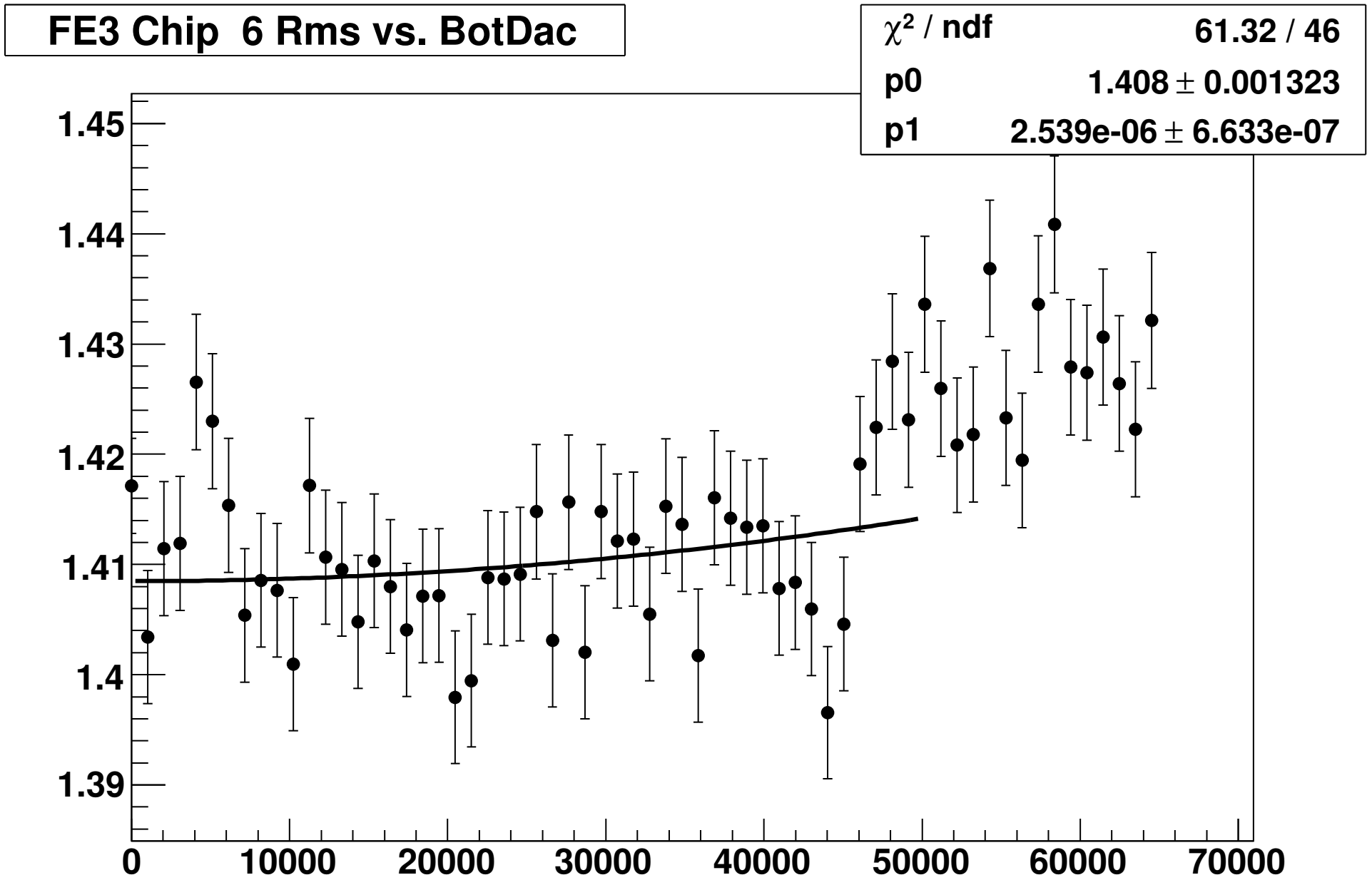
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 61.32 / 46
p0 1.408 ± 0.001323
p1 2.539e-06 ± 6.633e-07
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
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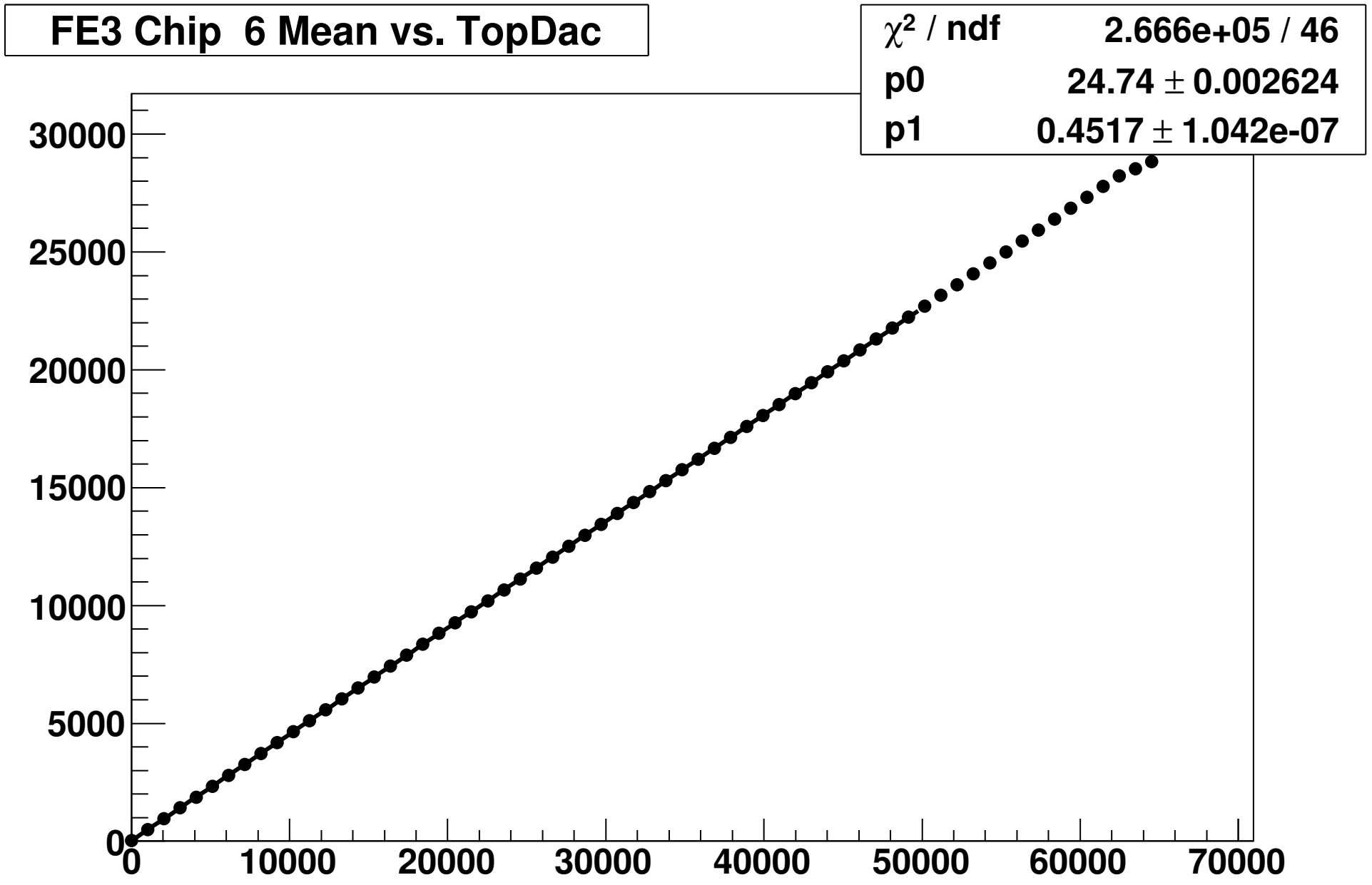
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 2.666e+05 / 46
p0 24.74 ± 0.002624
p1 0.4517 ± 1.042e-07
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25000
20000
15000
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5000
0
0
10000
20000
30000
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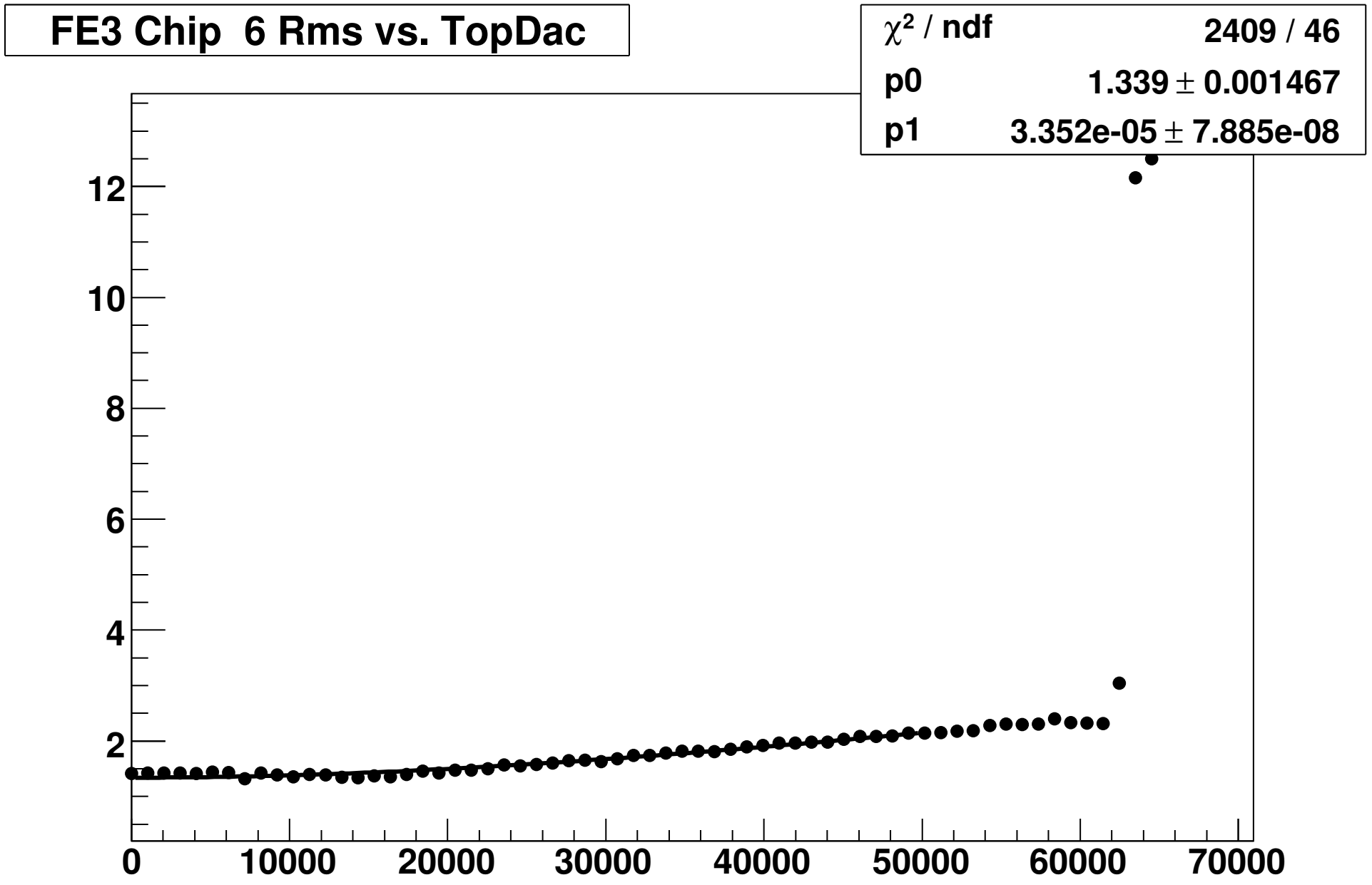
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 2409 / 46
p0 1.339 ± 0.001467
p1 3.352e-05 ± 7.885e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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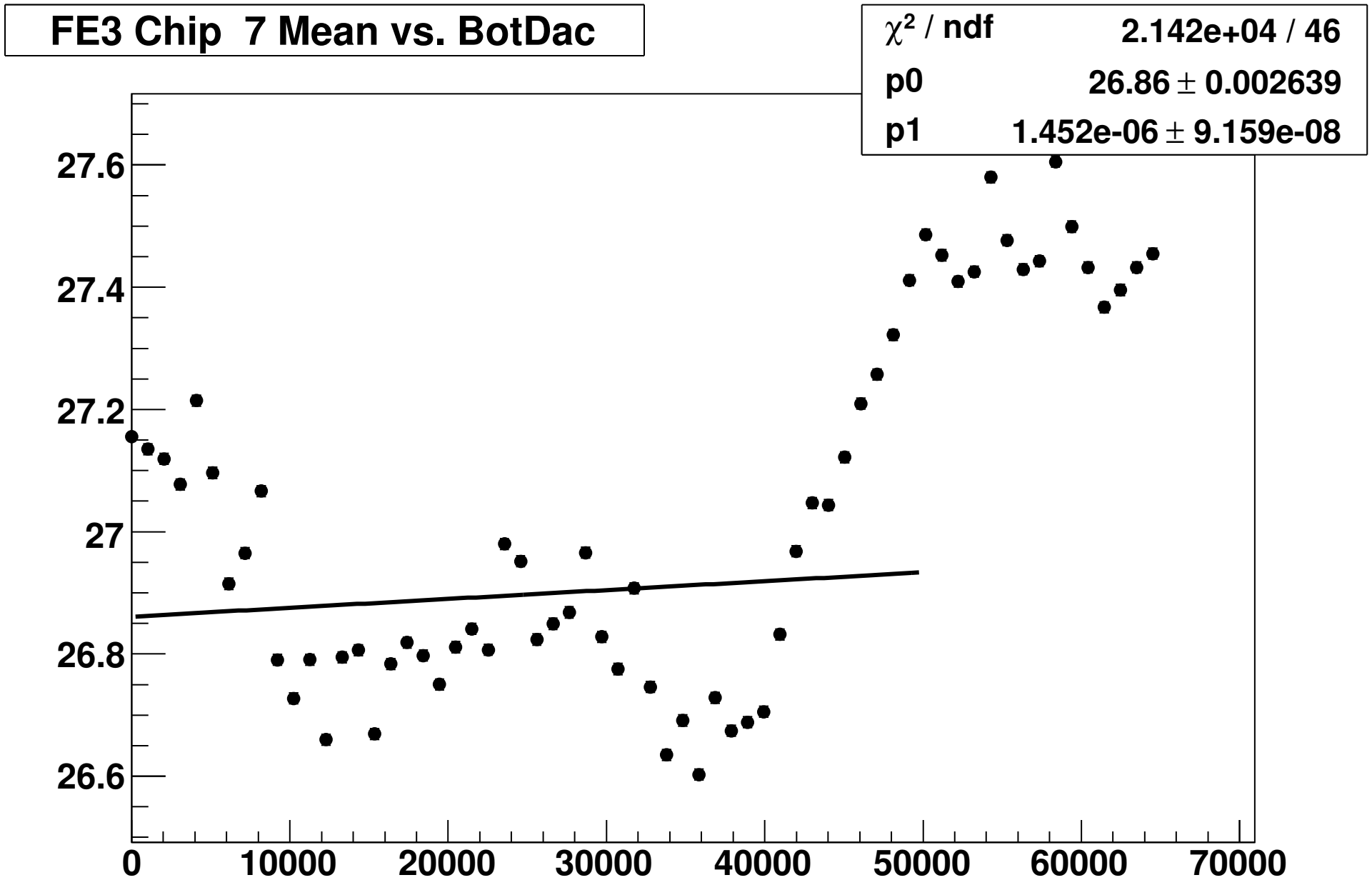
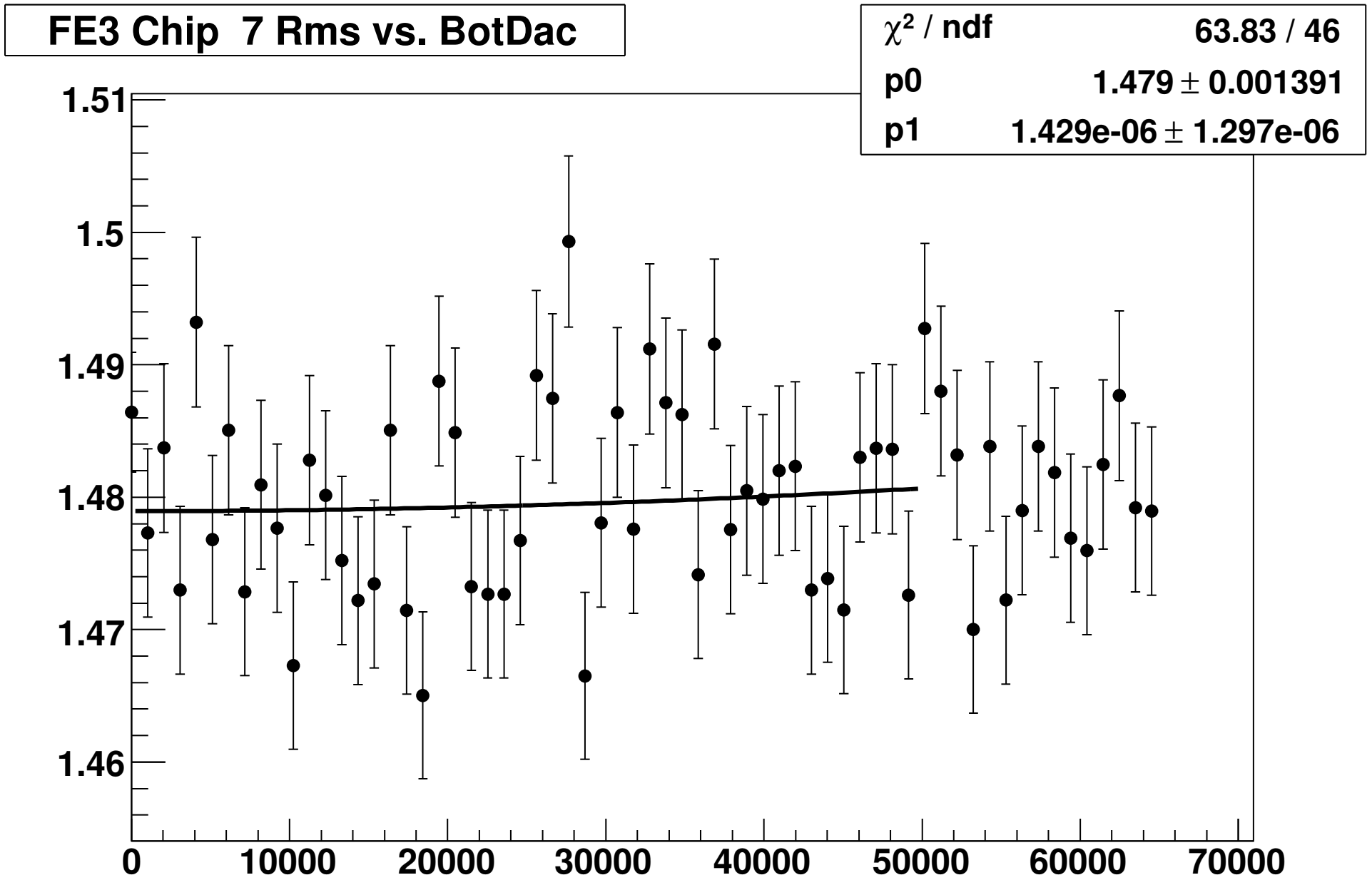
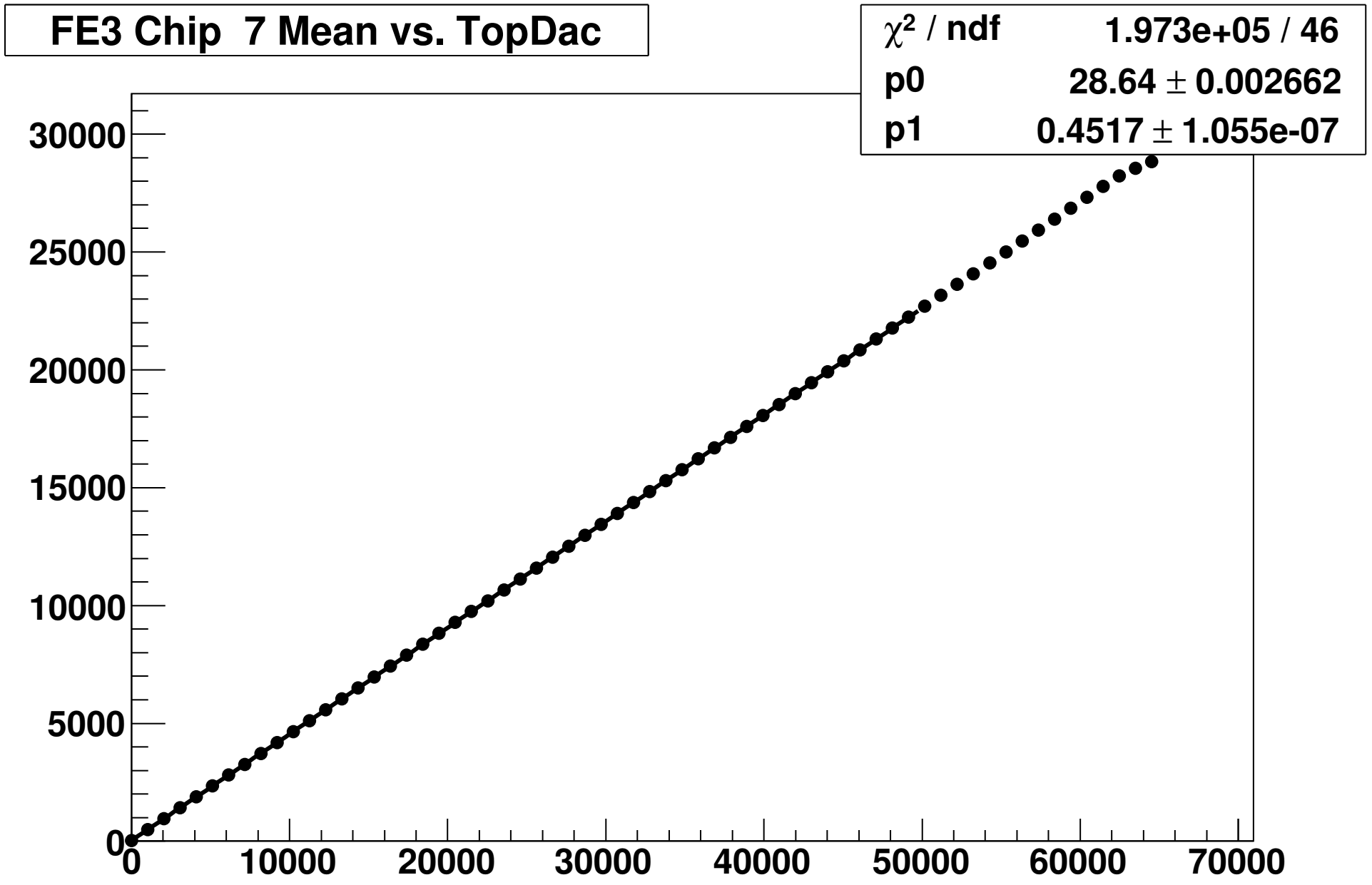

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 2.142e+04 / 46
p0 26.86 ± 0.002639
p1 1.452e-06 ± 9.159e-08
27.6
27.4
27.2
27
26.8
26.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 63.83 / 46
p0 1.479 ± 0.001391
p1 1.429e-06 ± 1.297e-06
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.973e+05 / 46
p0 28.64 ± 0.002662
p1 0.4517 ± 1.055e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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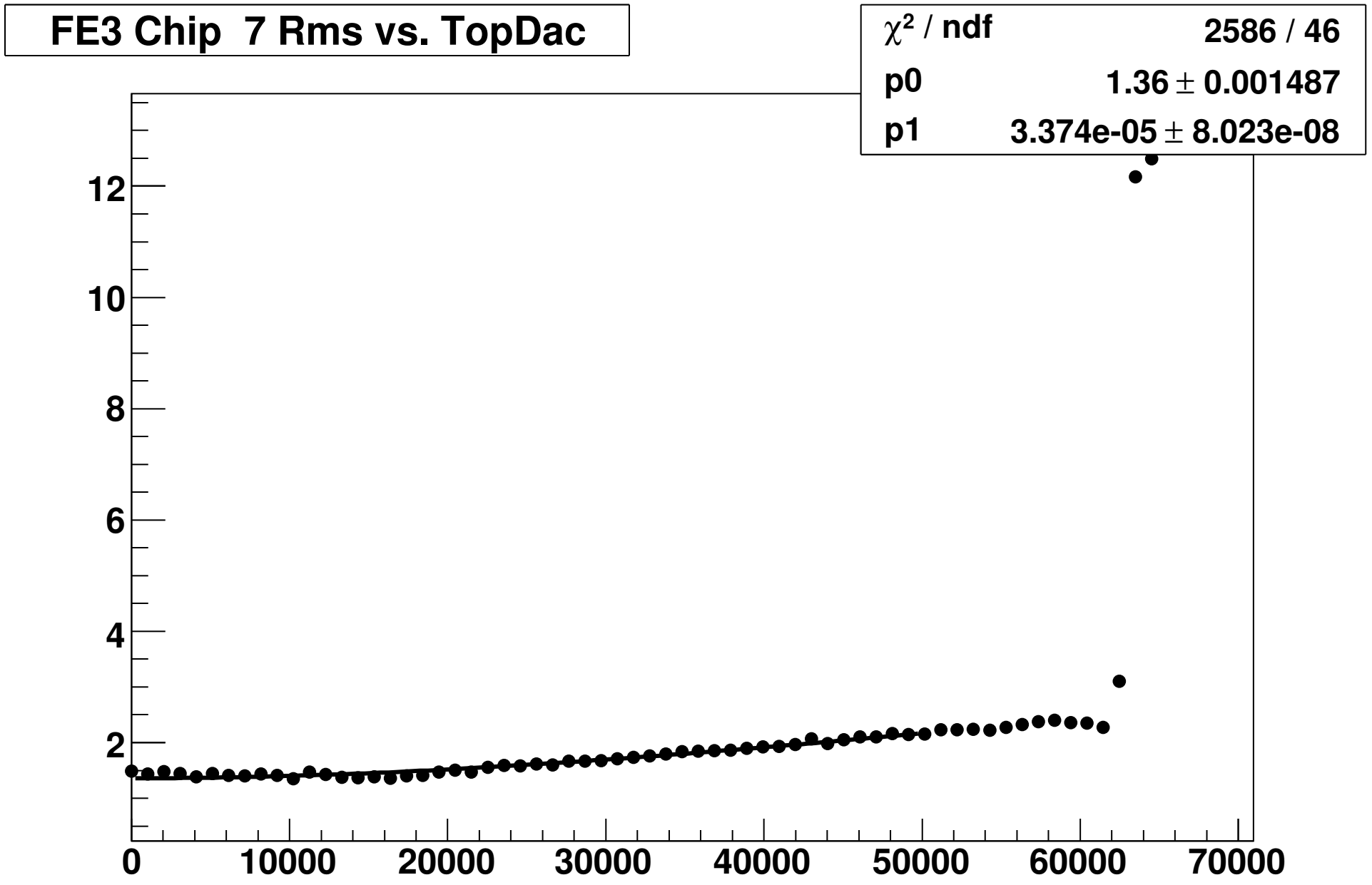
FE3 Chip 7 Rms vs. TopDac
χ² / ndf 2586 / 46
p0 1.36 ± 0.001487
p1 3.374e-05 ± 8.023e-08
12
10
8
6
4
2
0
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40000
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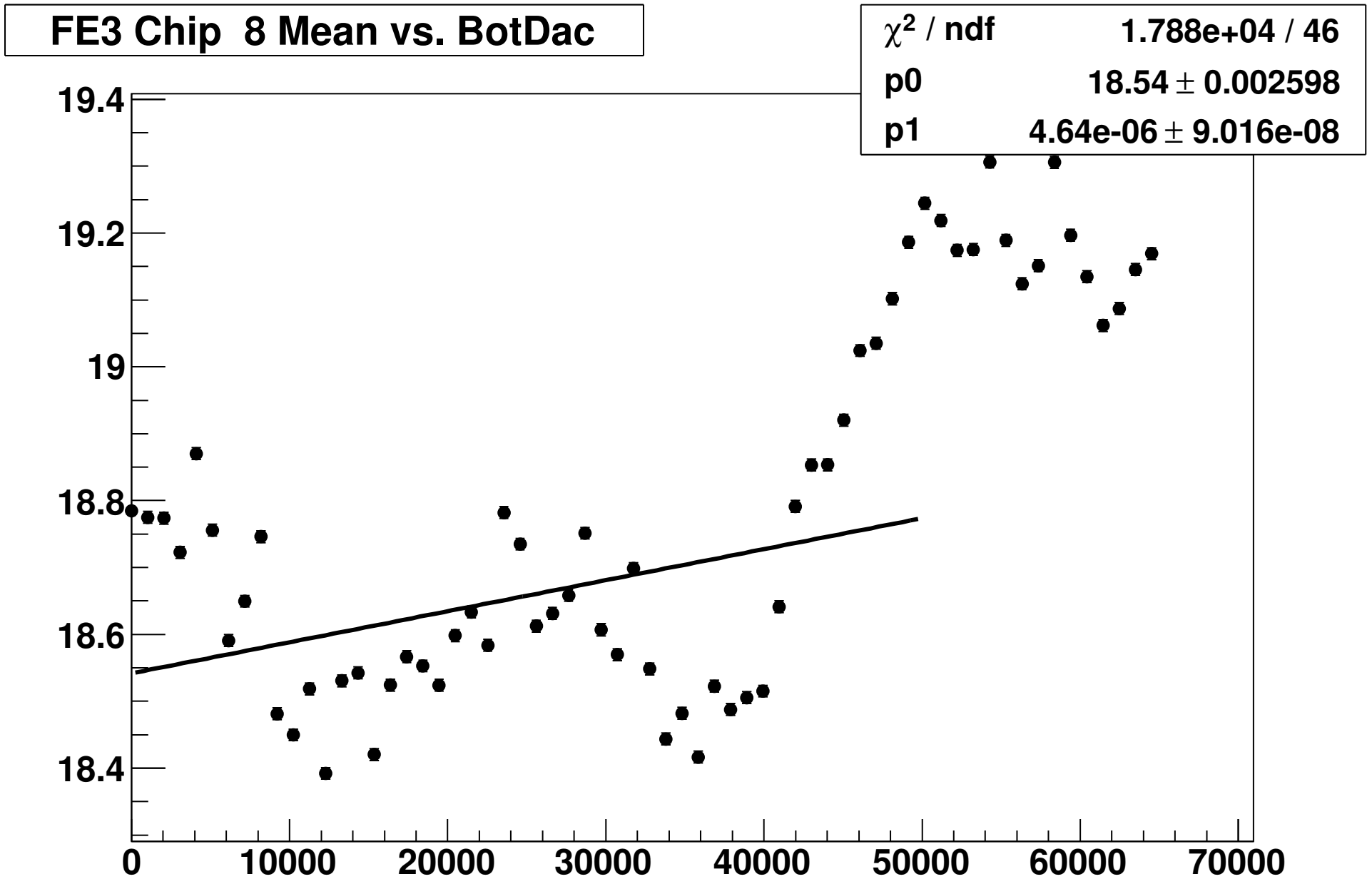
FE3 Chip 8 Mean vs. BotDac
χ² / ndf 1.788e+04 / 46
p0 18.54 ± 0.002598
p1 4.64e-06 ± 9.016e-08
19.4
19.2
19
18.8
18.6
18.4
0
10000
20000
30000
40000
50000
60000
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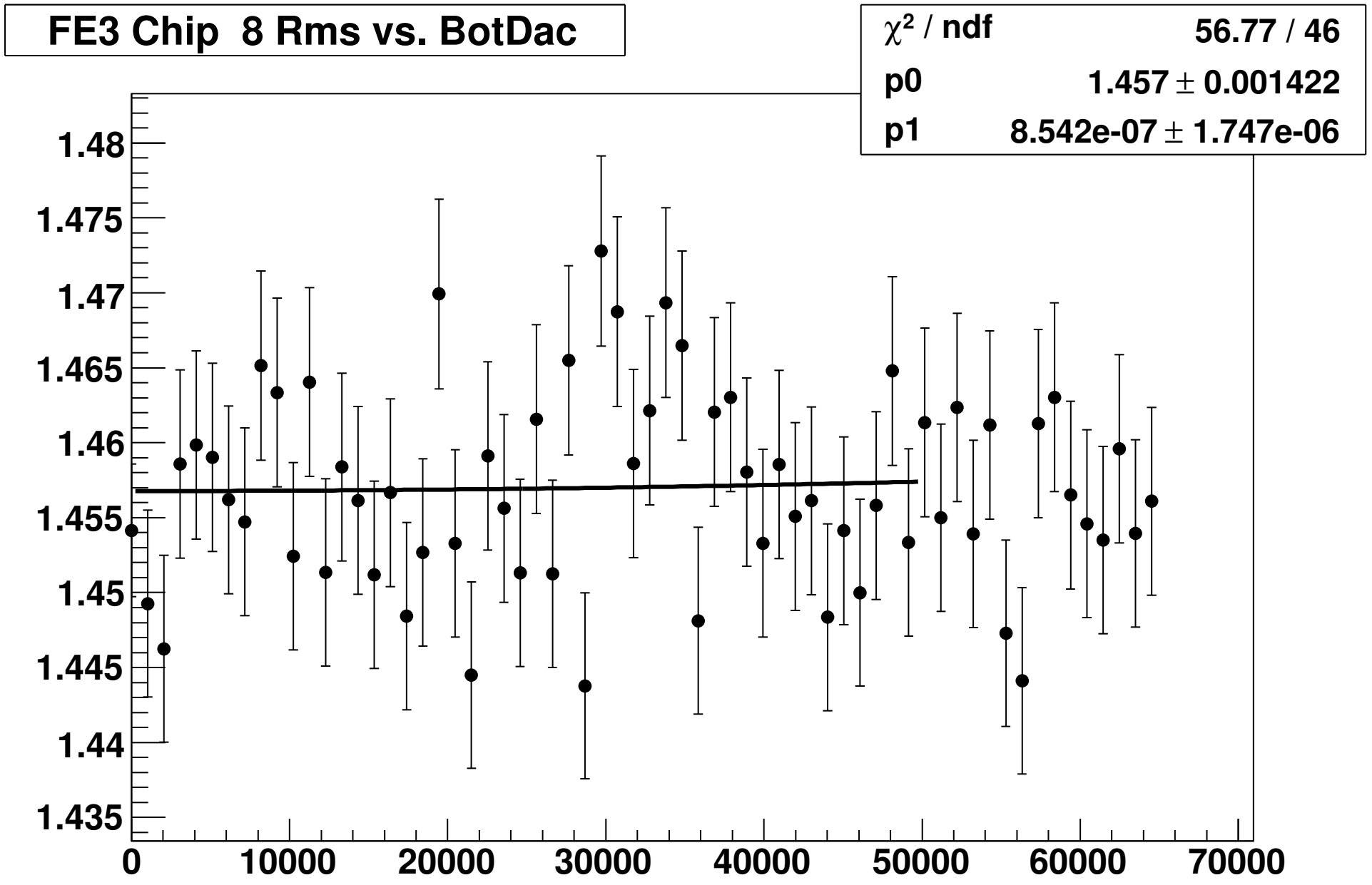
FE3 Chip 8 Rms vs. BotDac
χ² / ndf 56.77 / 46
p0 1.457 ± 0.001422
p1 8.542e-07 ± 1.747e-06
1.48
1.475
1.47
1.465
1.46
1.455
1.45
1.445
1.44
1.435
0
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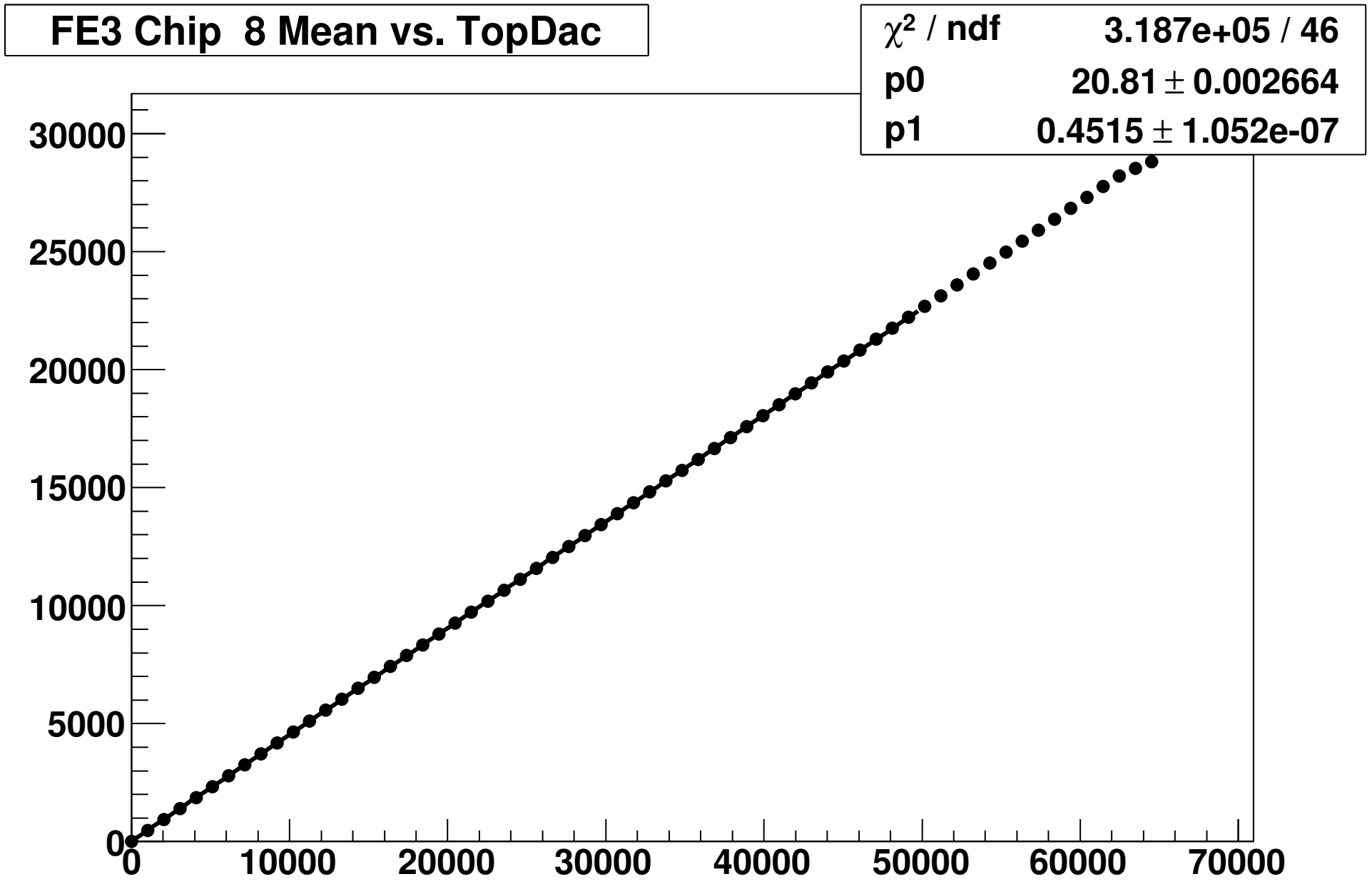
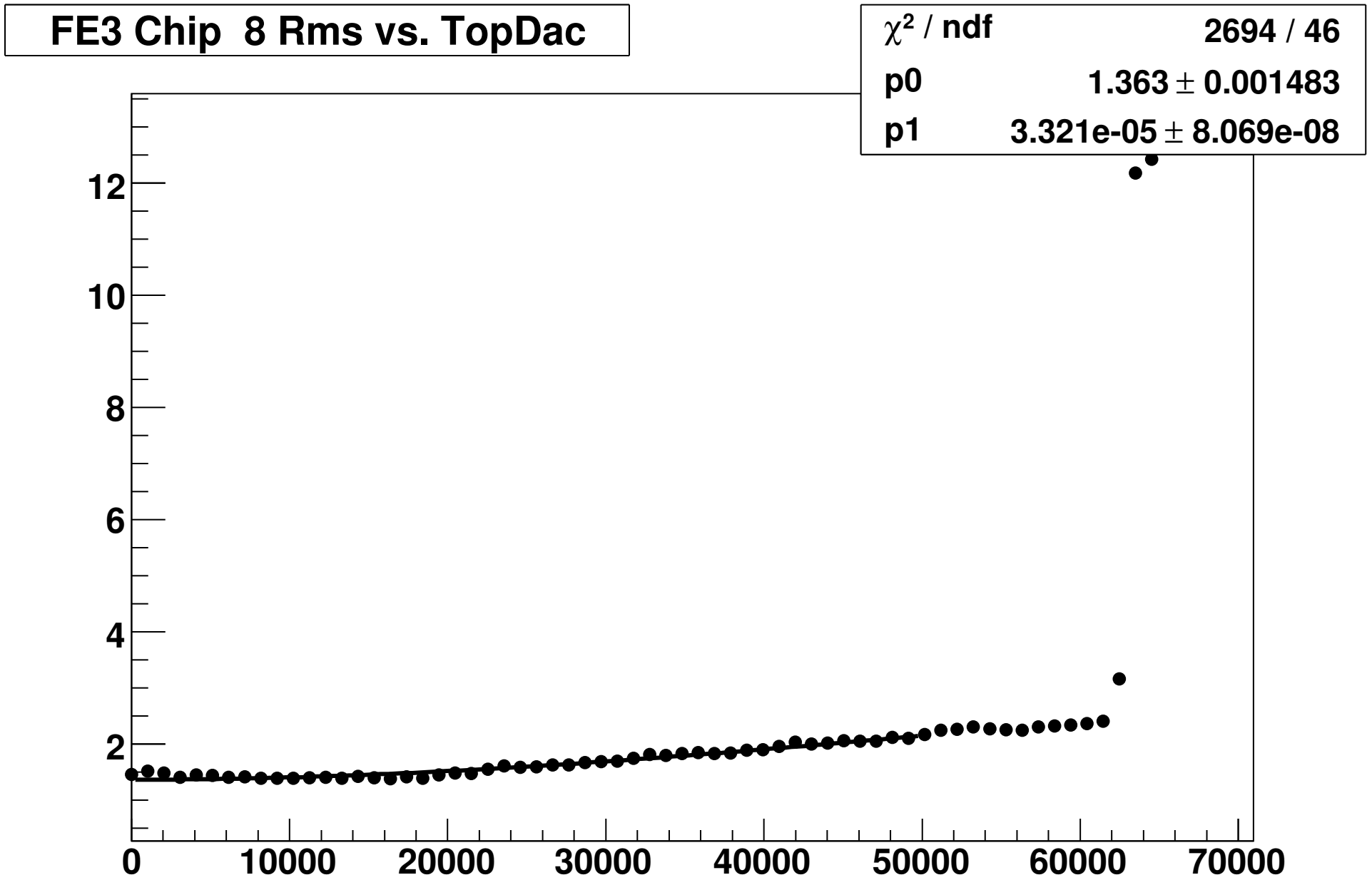
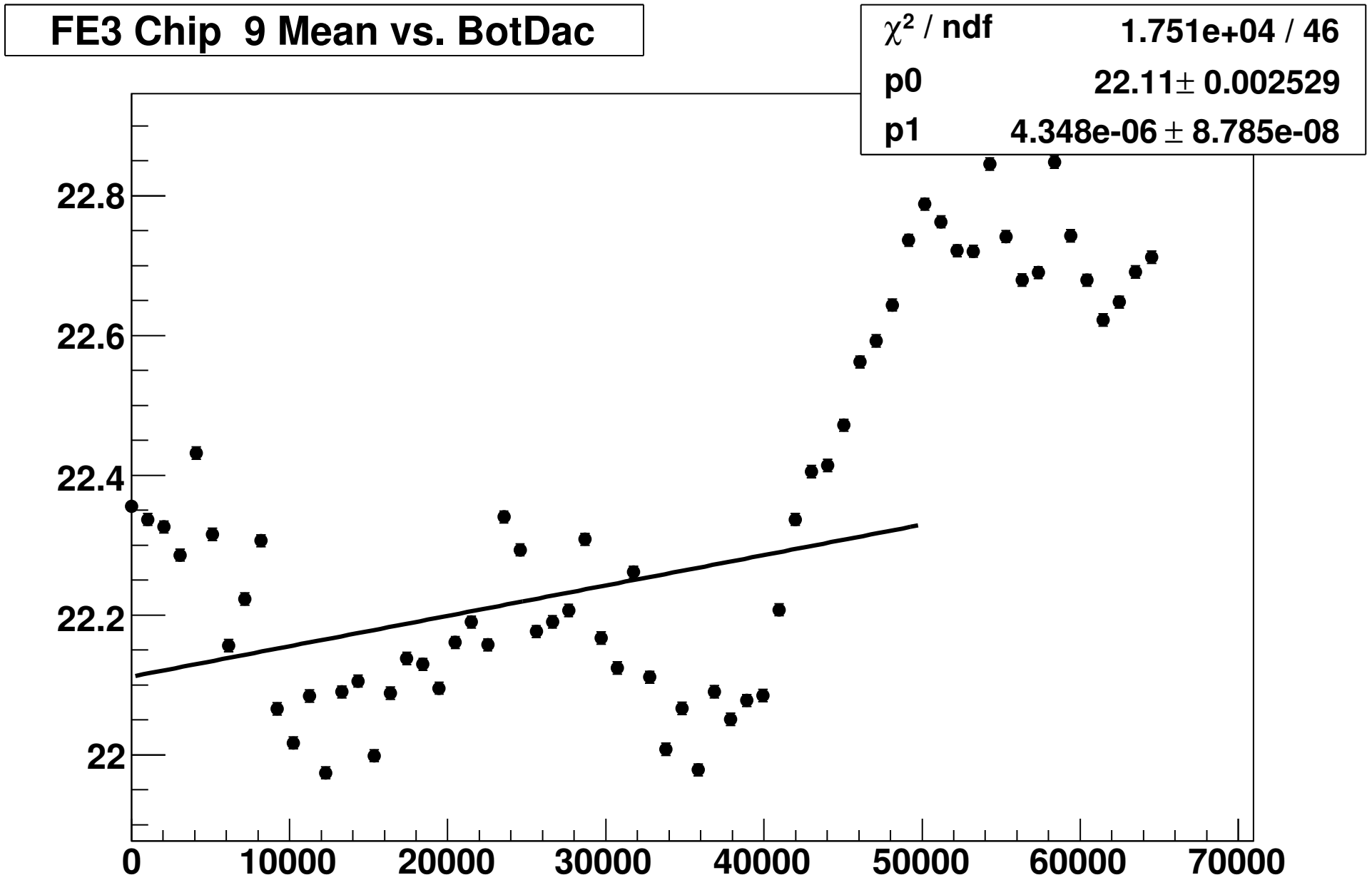

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 3.187e+05 / 46
p0 20.81 ± 0.002664
p1 0.4515 ± 1.052e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 2694 / 46
p0 1.363 ± 0.001483
p1 3.321e-05 ± 8.069e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 1.751e+04 / 46
p0 22.11 ± 0.002529
p1 4.348e-06 ± 8.785e-08
22.8
22.6
22.4
22.2
22
0
10000
20000
30000
40000
50000
60000
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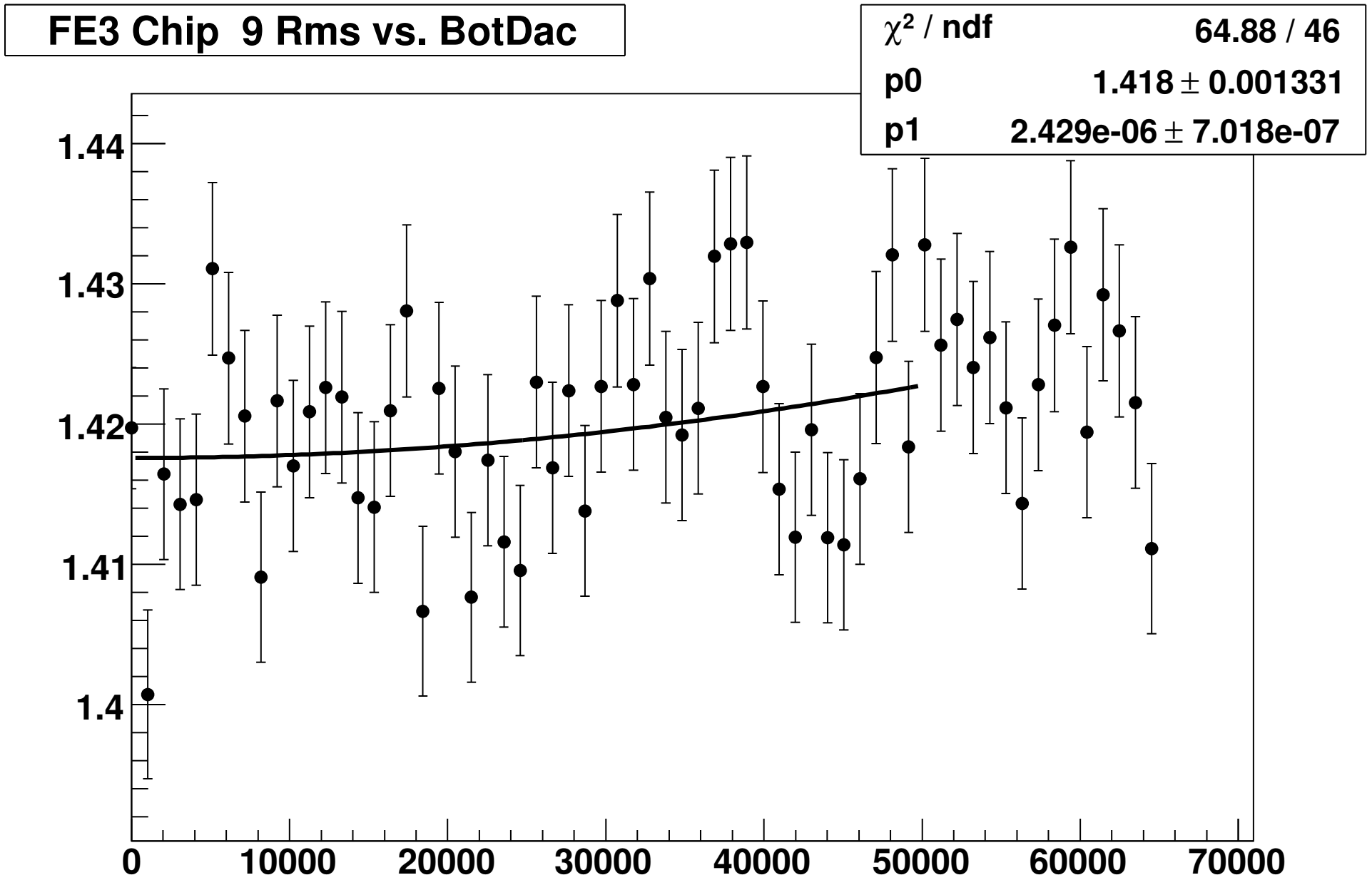
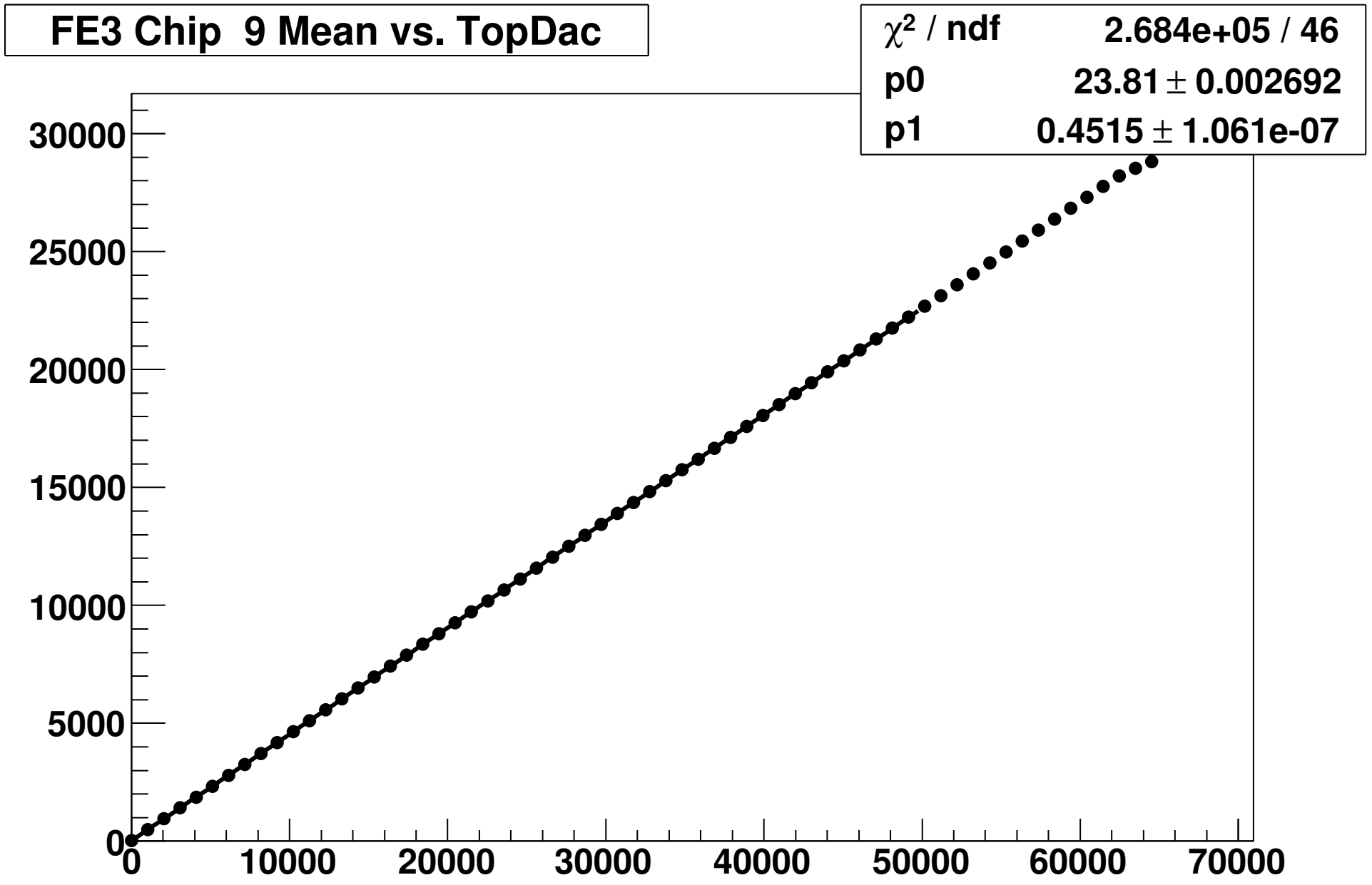

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 64.88 / 46
p0 1.418 ± 0.001331
p1 2.429e-06 ± 7.018e-07
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 2.684e+05 / 46
p0 23.81 ± 0.002692
p1 0.4515 ± 1.061e-07
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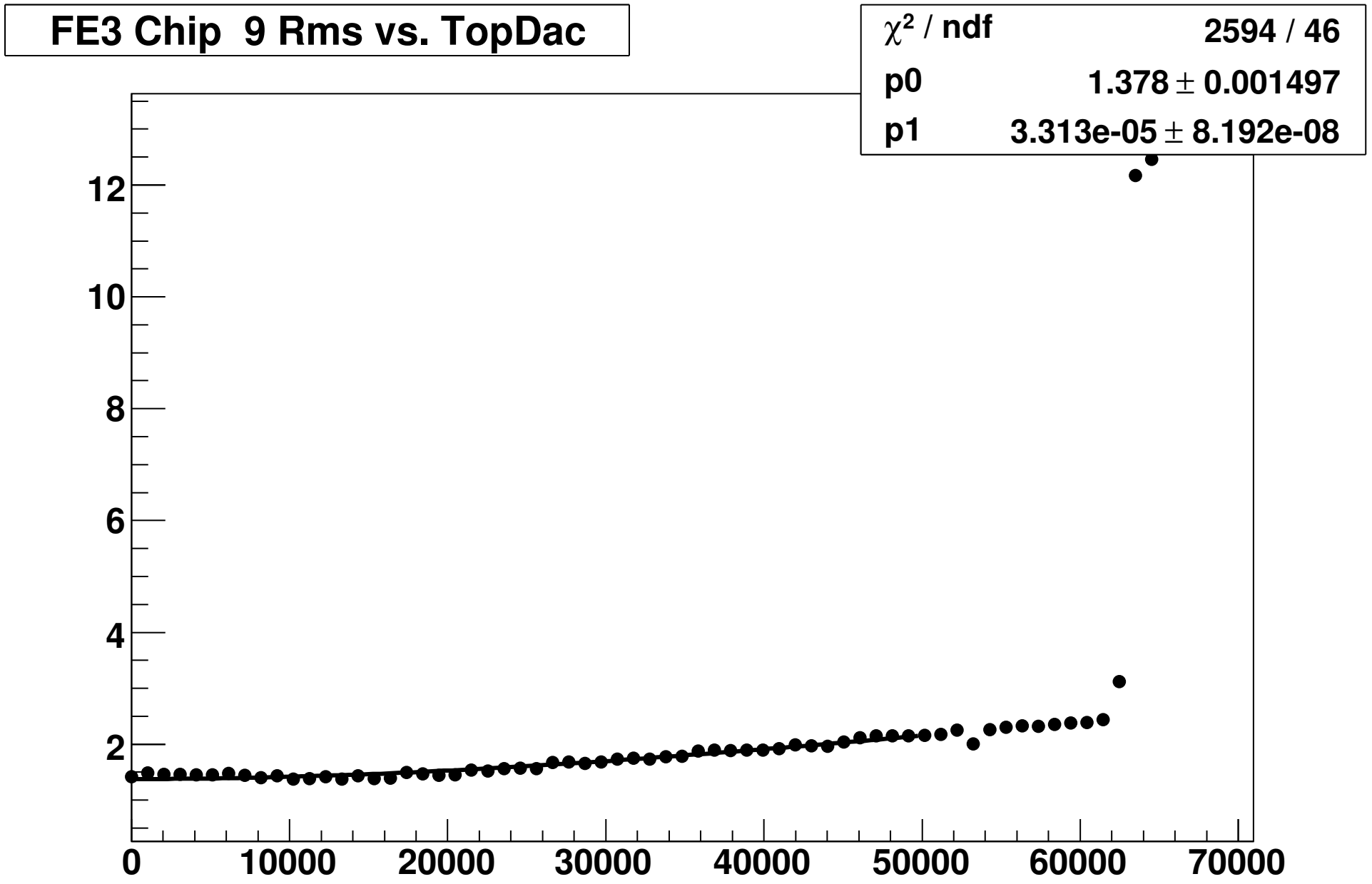
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 2594 / 46
p0 1.378 ± 0.001497
p1 3.313e-05 ± 8.192e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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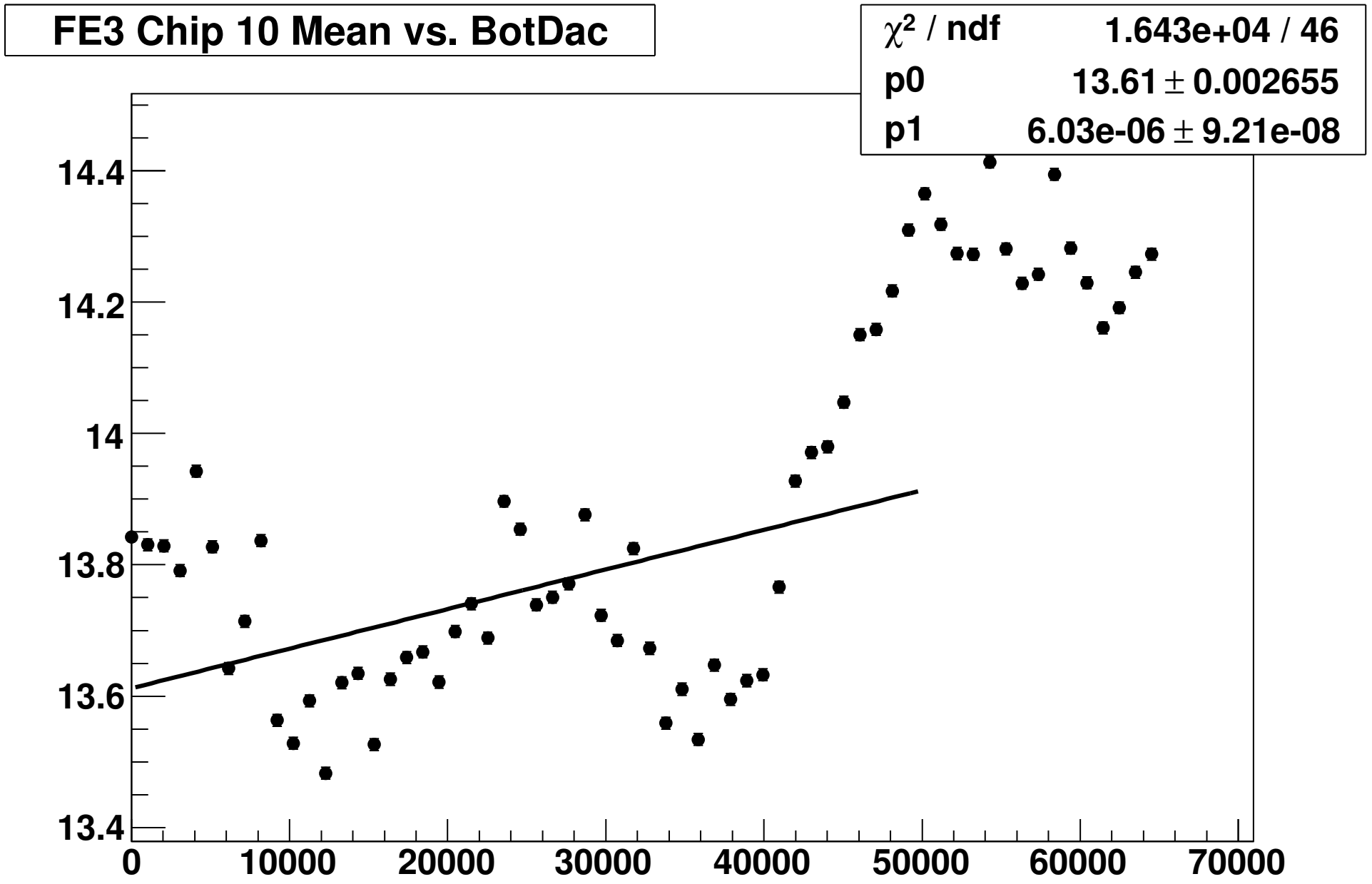
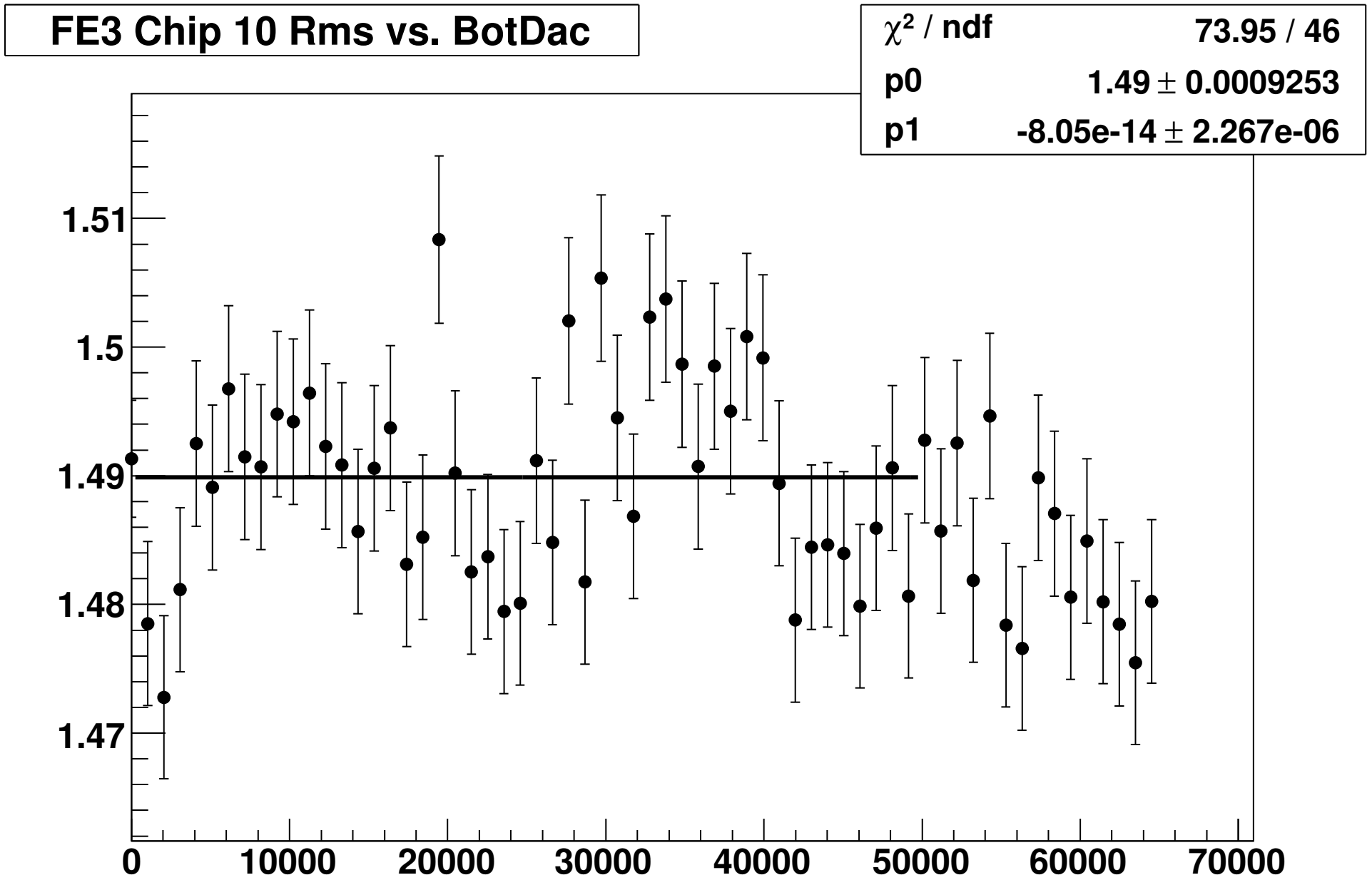
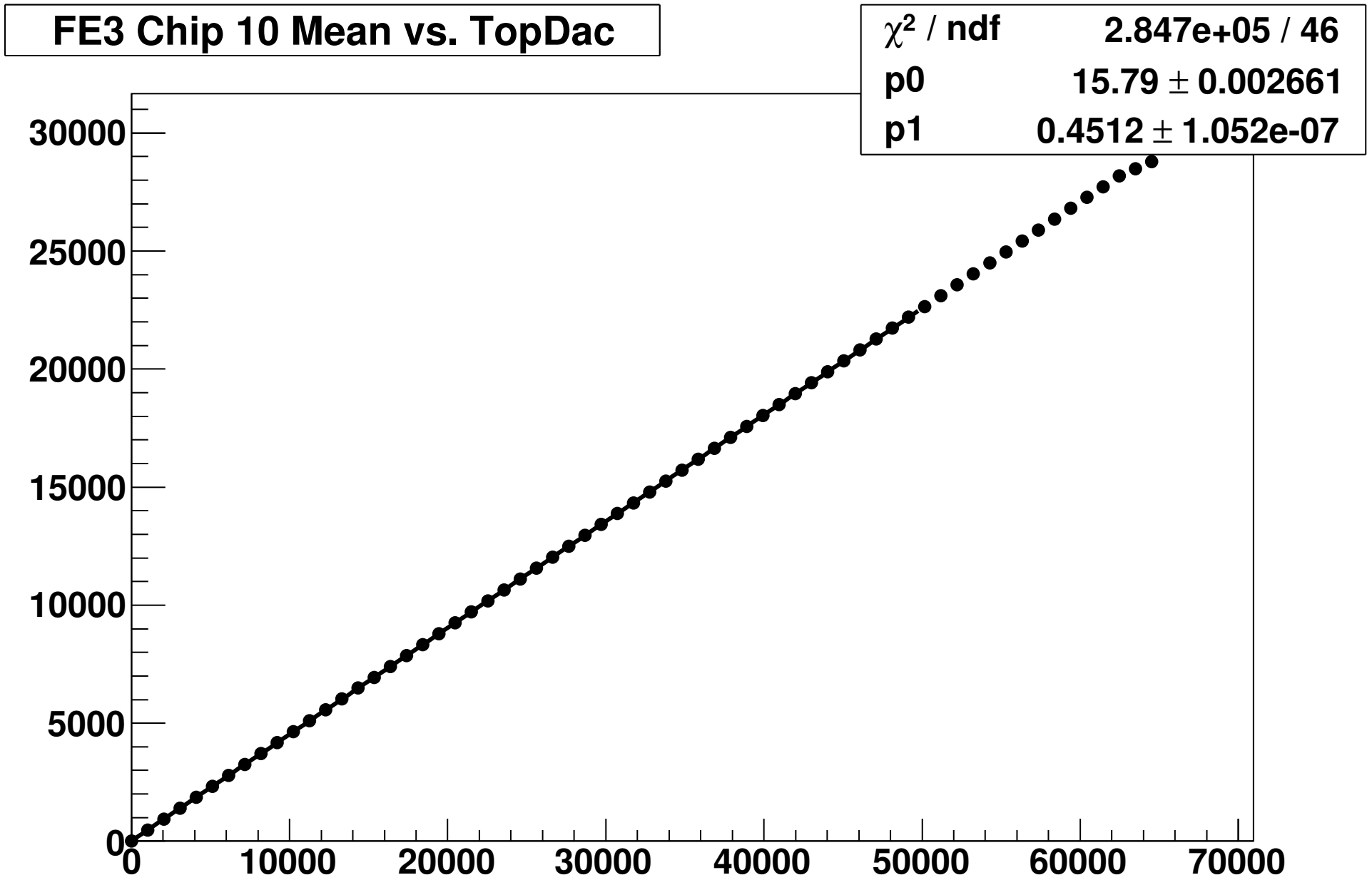

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 1.643e+04 / 46
p0 13.61 ± 0.002655
p1 6.03e-06 ± 9.21e-08
14.4
14.2
14
13.8
13.6
13.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 73.95 / 46
p0 1.49 ± 0.0009253
p1 -8.05e-14 ± 2.267e-06
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.847e+05 / 46
p0 15.79 ± 0.002661
p1 0.4512 ± 1.052e-07
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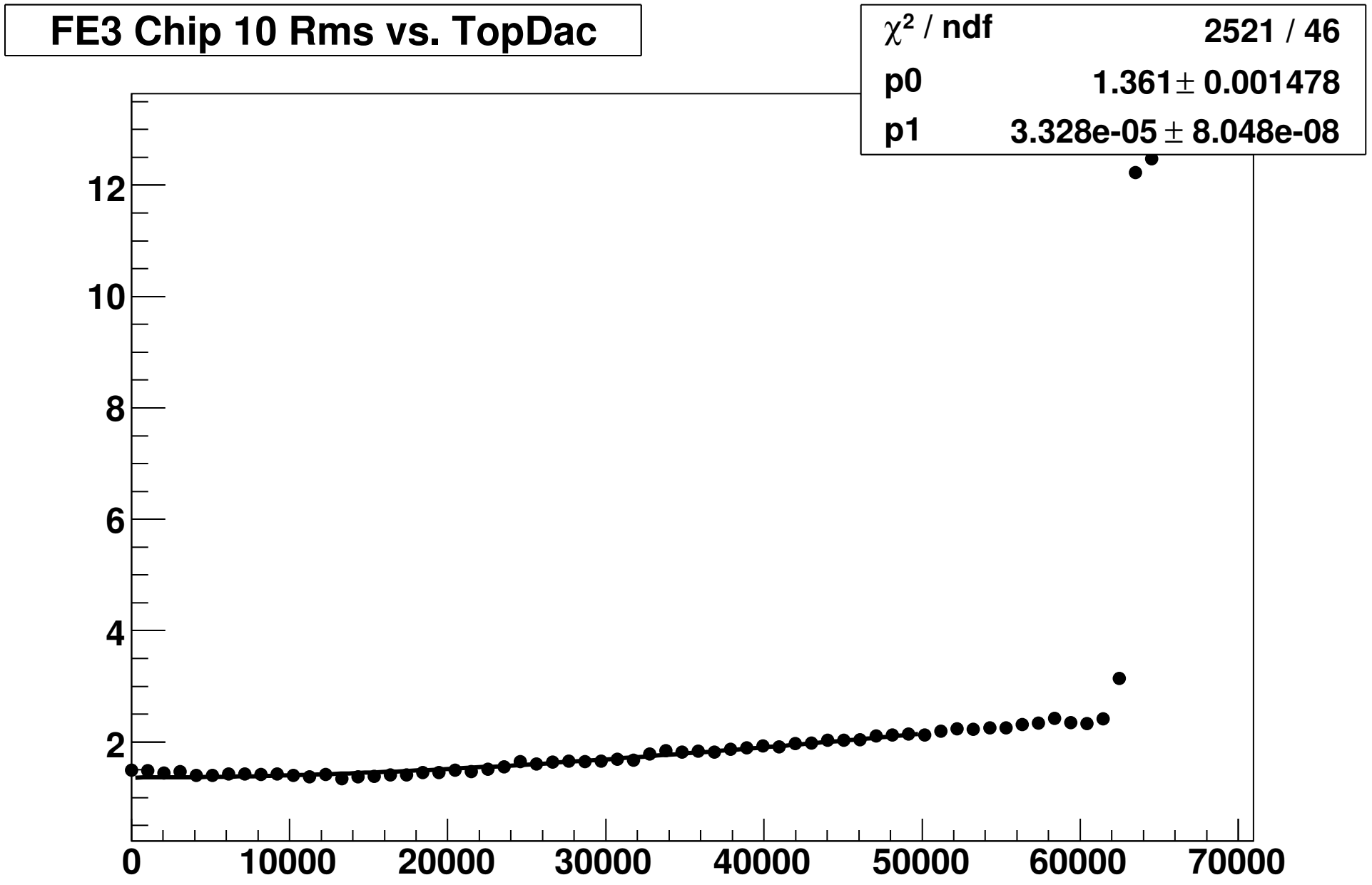
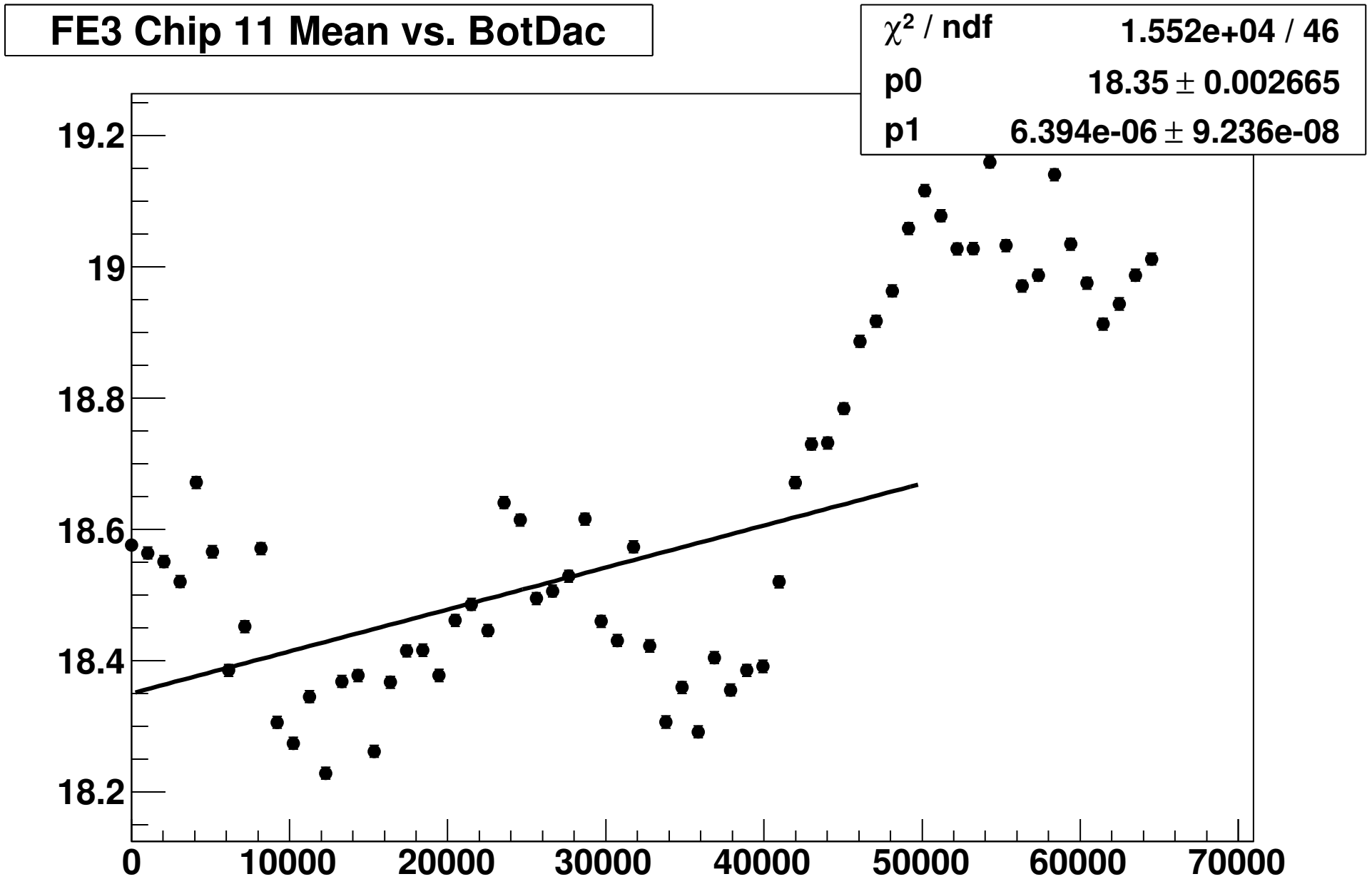
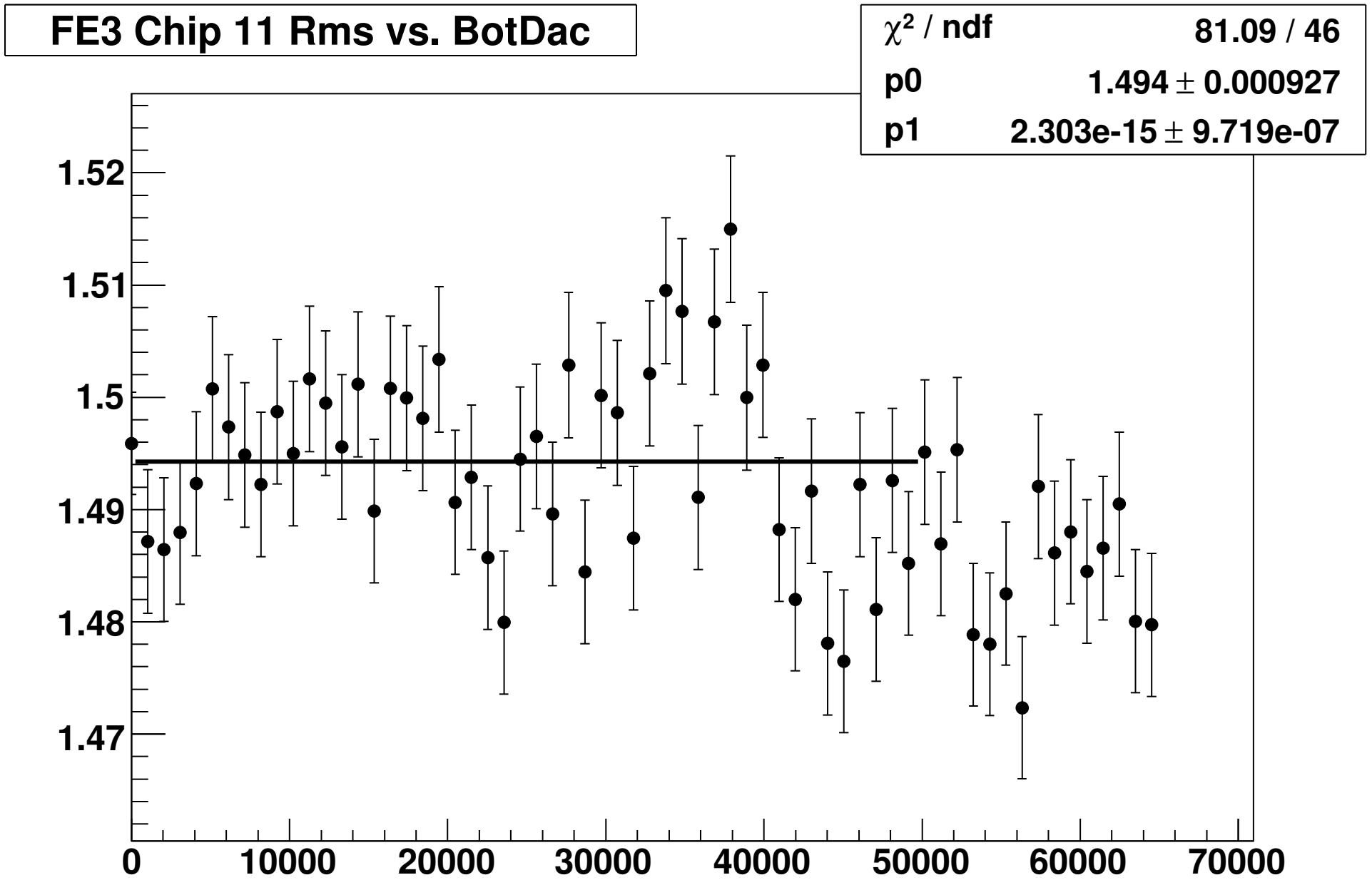
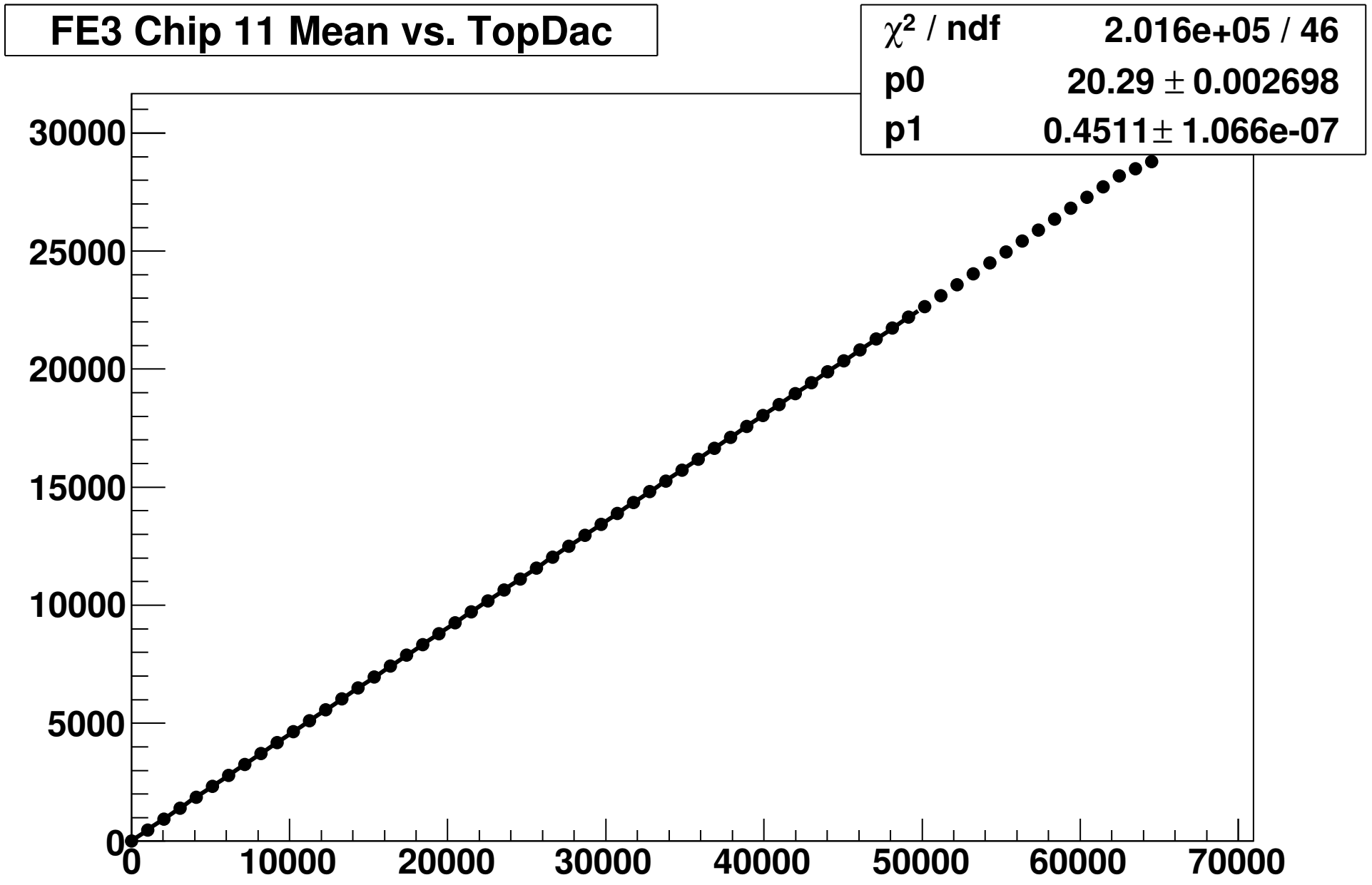
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 2521 / 46
p0 1.361 ± 0.001478
p1 3.328e-05 ± 8.048e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 1.552e+04 / 46
p0 18.35 ± 0.002665
p1 6.394e-06 ± 9.236e-08
19.2
19
18.8
18.6
18.4
18.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 81.09 / 46
p0 1.494 ± 0.000927
p1 2.303e-15 ± 9.719e-07
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 2.016e+05 / 46
p0 20.29 ± 0.002698
p1 0.4511 ± 1.066e-07
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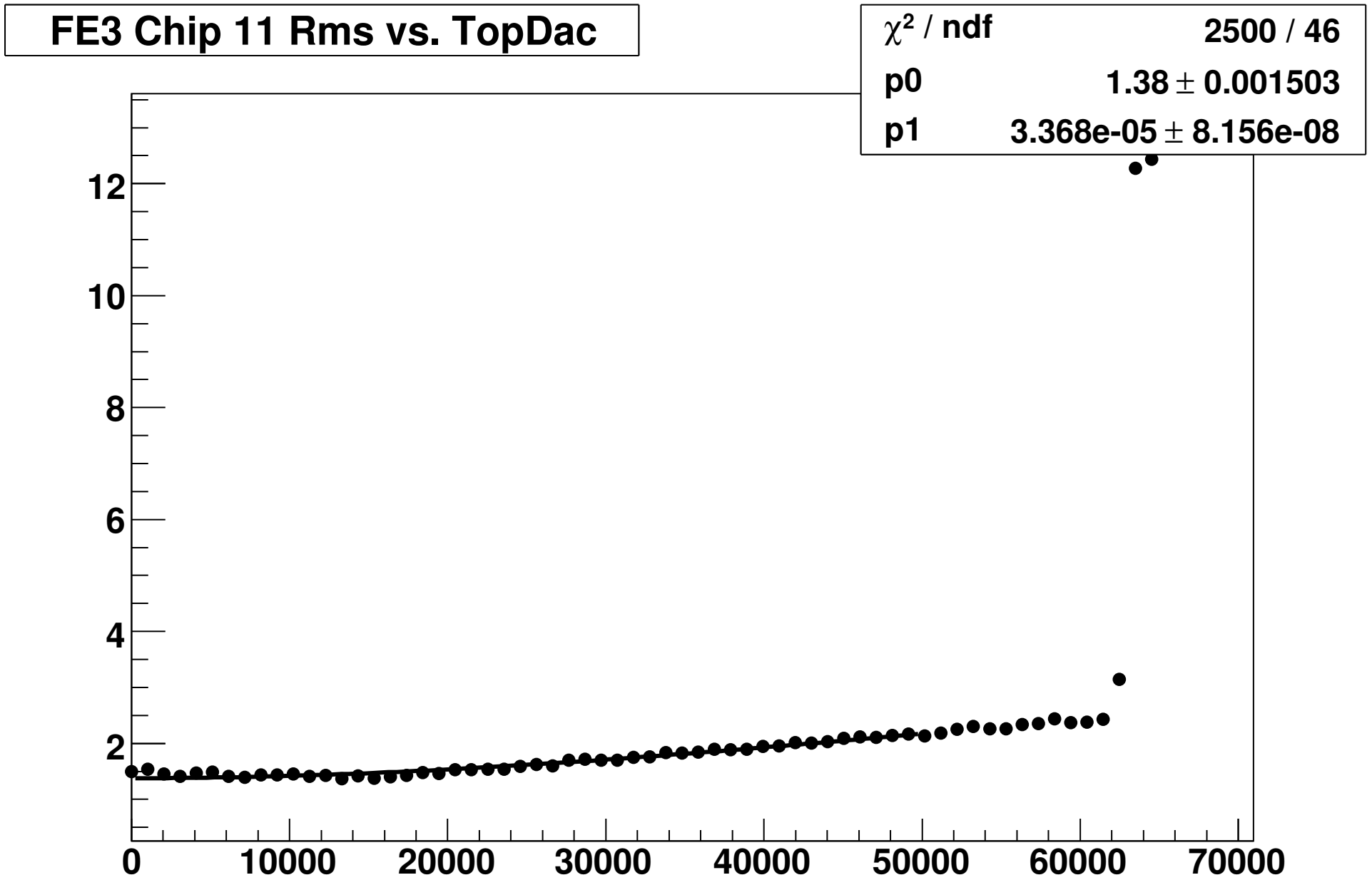
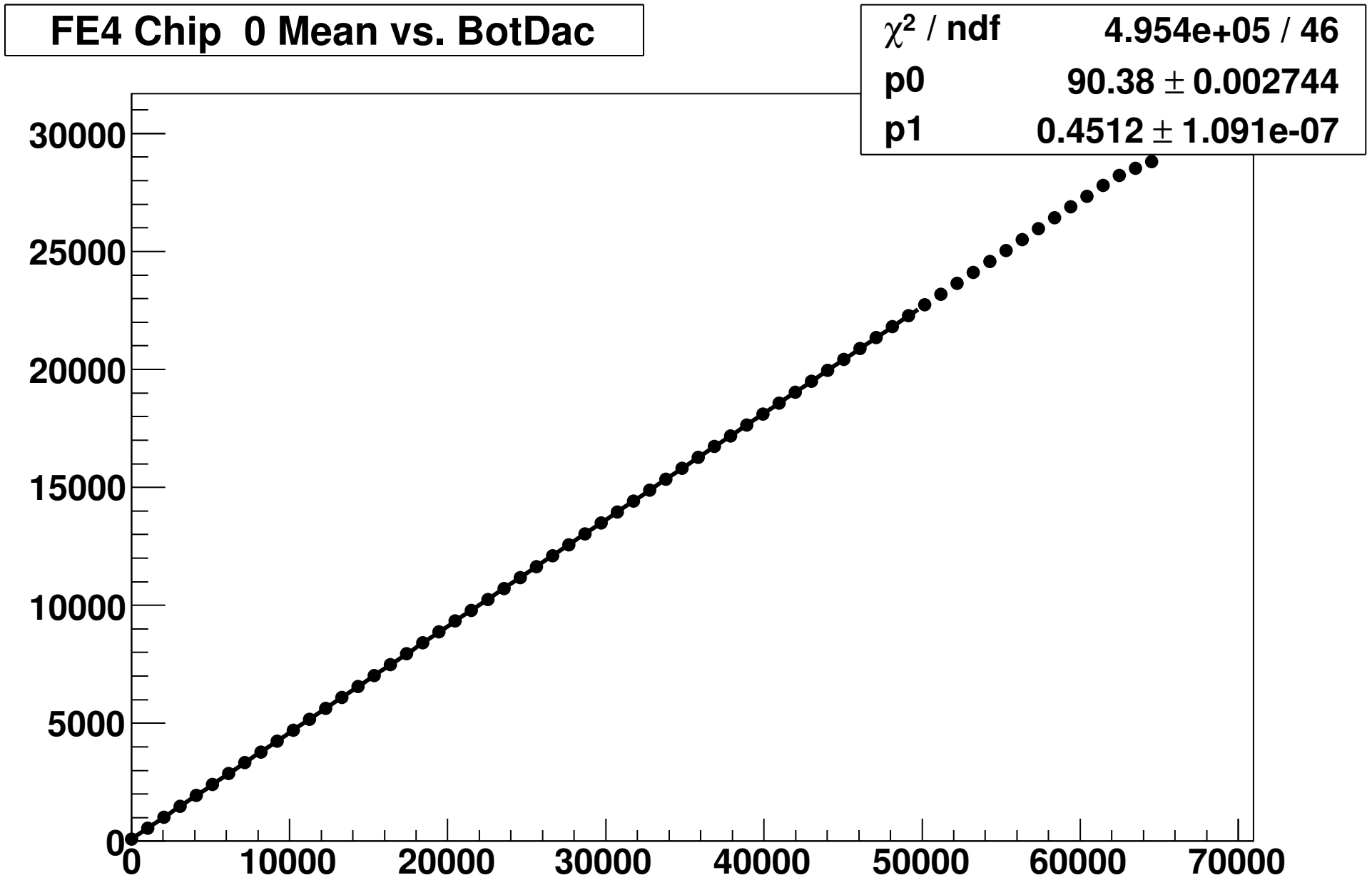
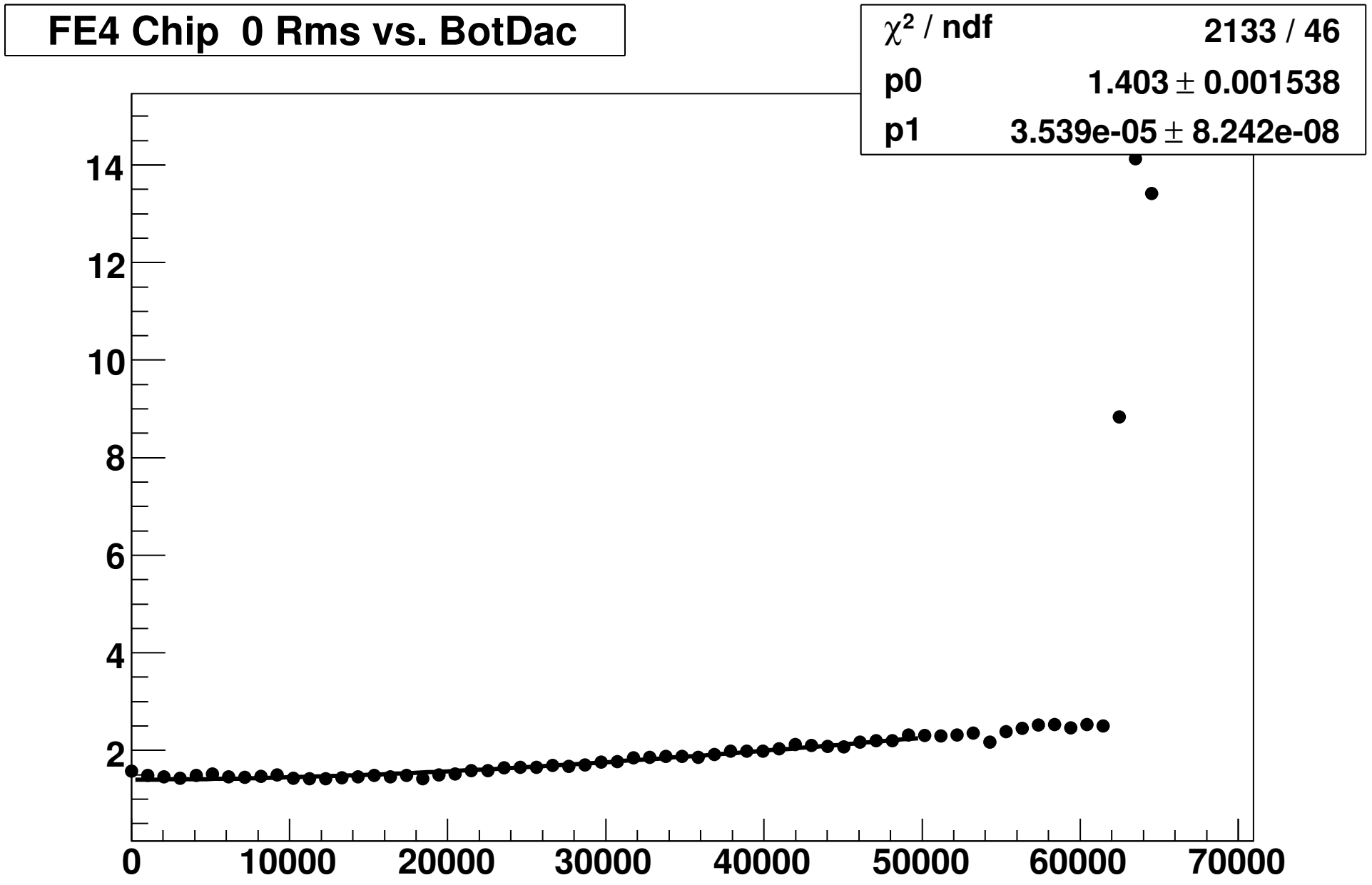
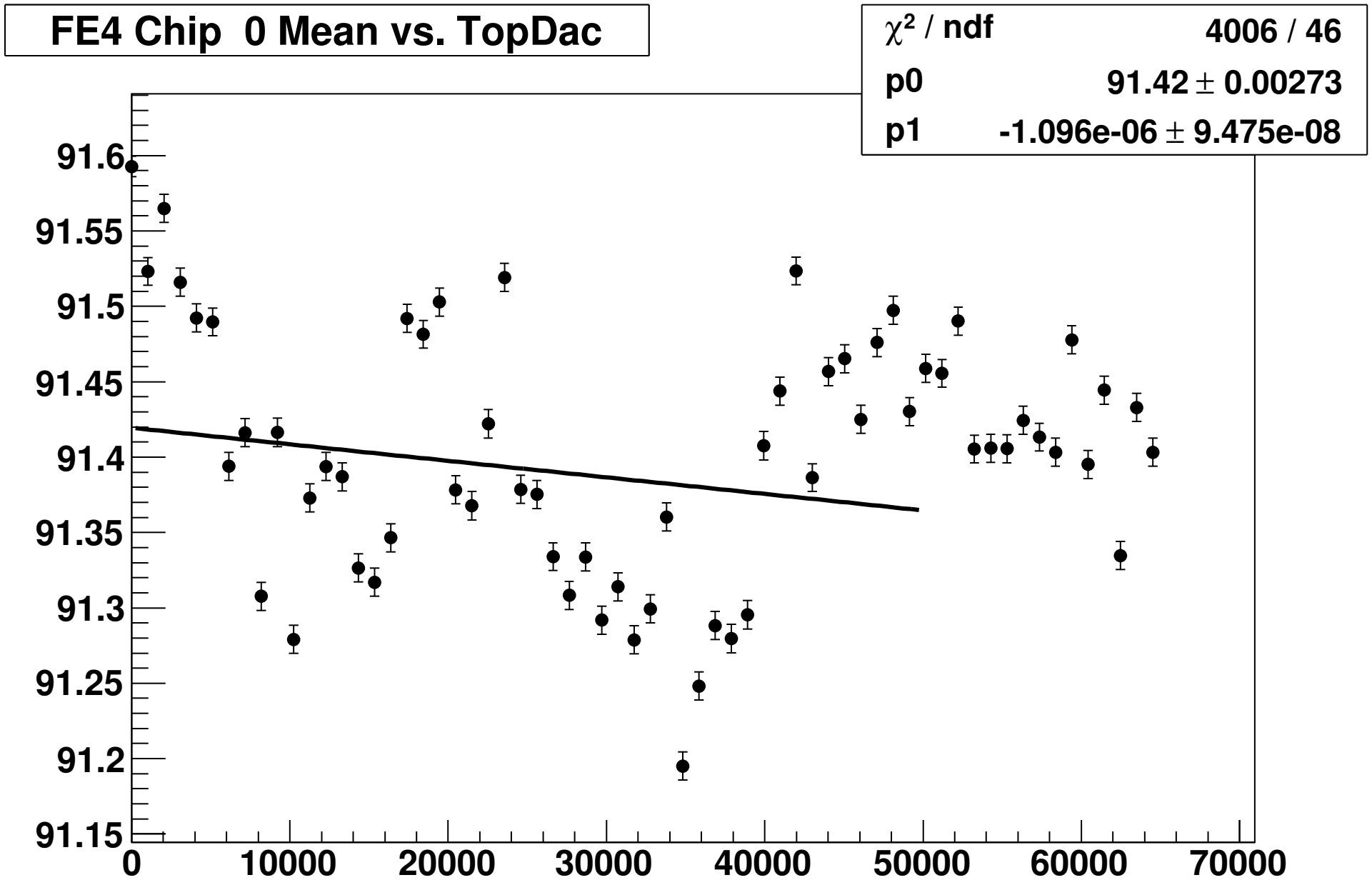
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 2500 / 46
p0 1.38 ± 0.001503
p1 3.368e-05 ± 8.156e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 4.954e+05 / 46
p0 90.38 ± 0.002744
p1 0.4512 ± 1.091e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 2133 / 46
p0 1.403 ± 0.001538
p1 3.539e-05 ± 8.242e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 4006 / 46
p0 91.42 ± 0.00273
p1 -1.096e-06 ± 9.475e-08
91.6
91.55
91.5
91.45
91.4
91.35
91.3
91.25
91.2
91.15
0
10000
20000
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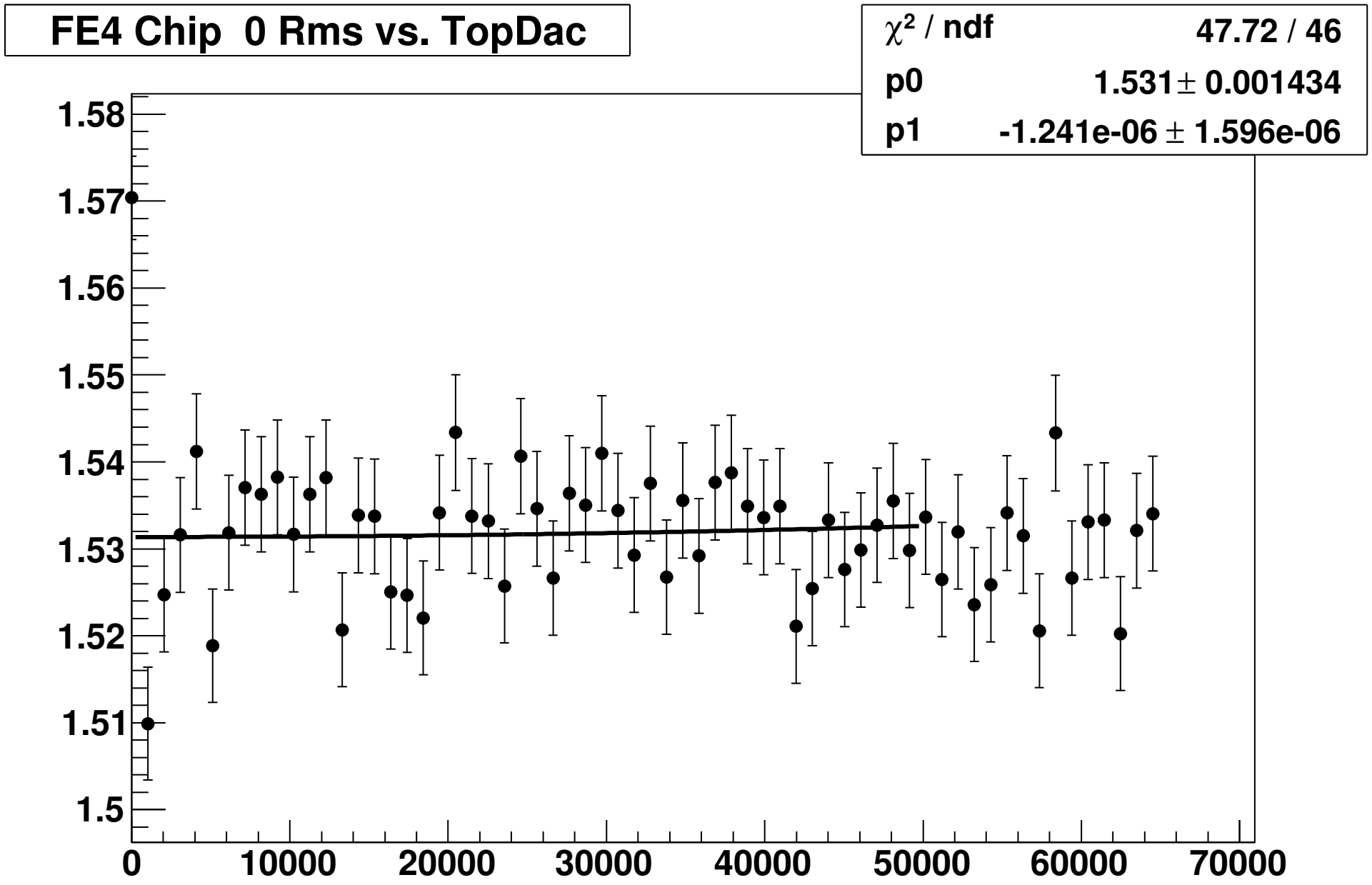
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 47.72 / 46
p0 1.531 ± 0.001434
p1 -1.241e-06 ± 1.596e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
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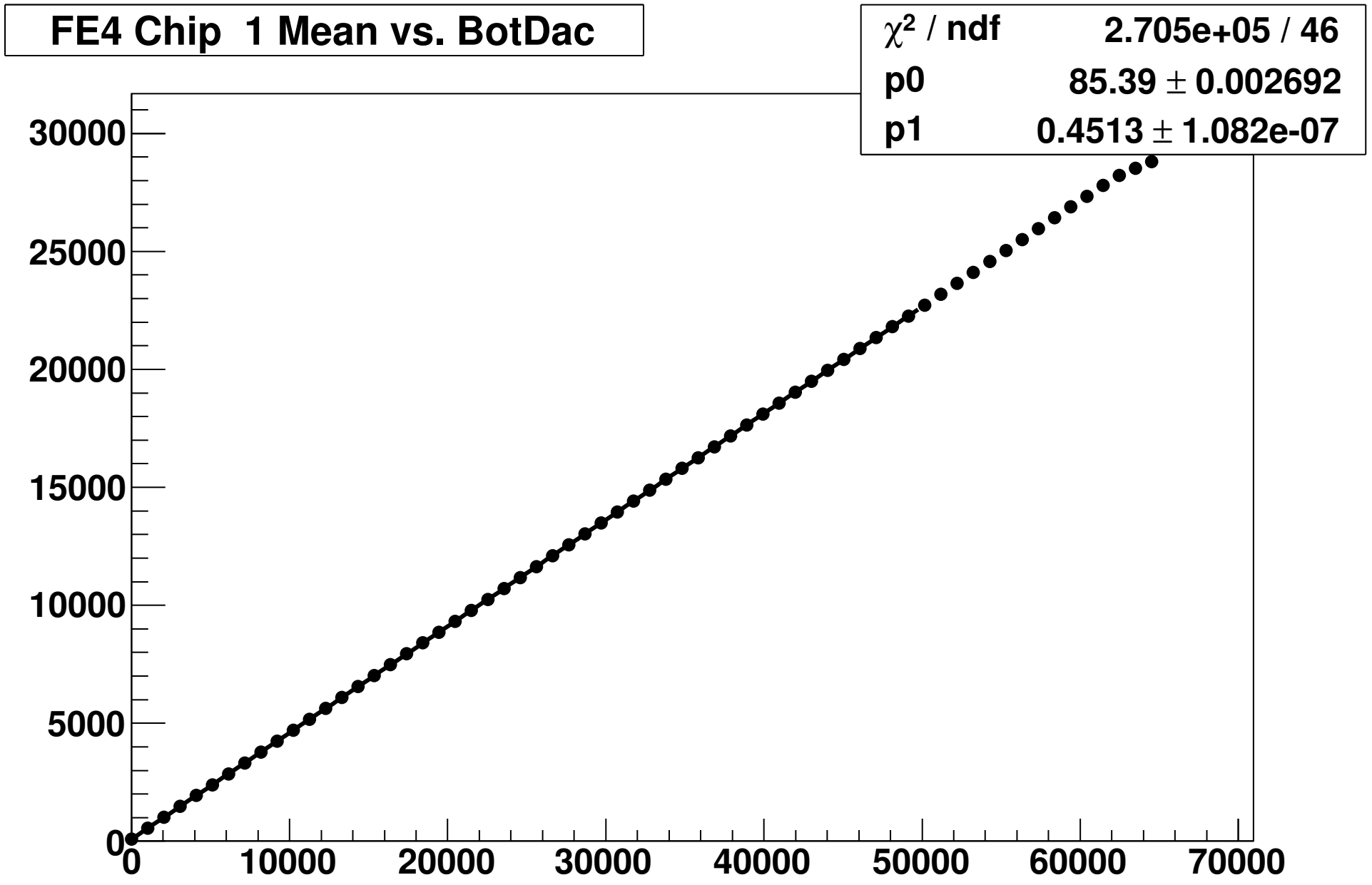
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.705e+05 / 46
p0 85.39 ± 0.002692
p1 0.4513 ± 1.082e-07
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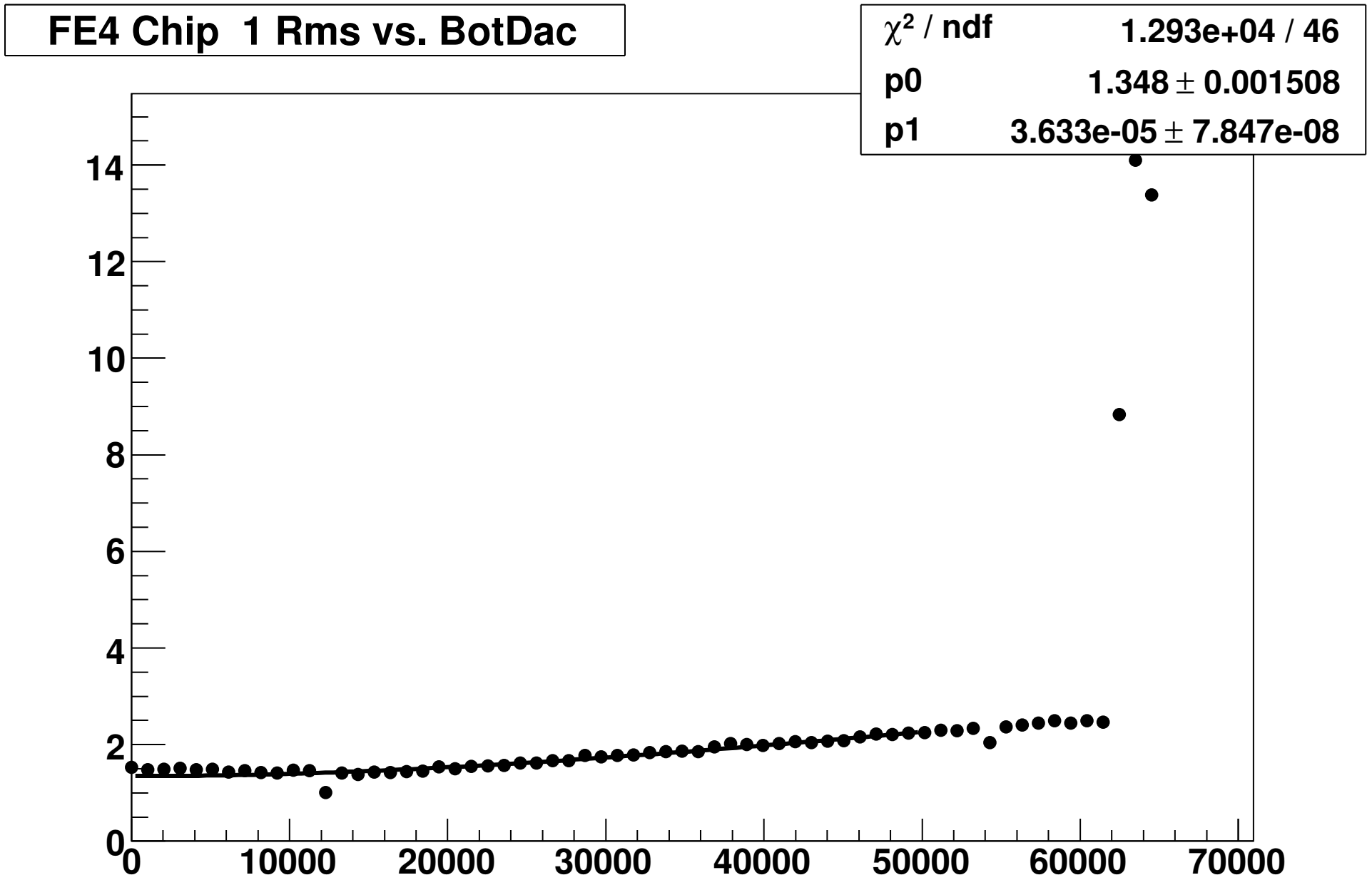
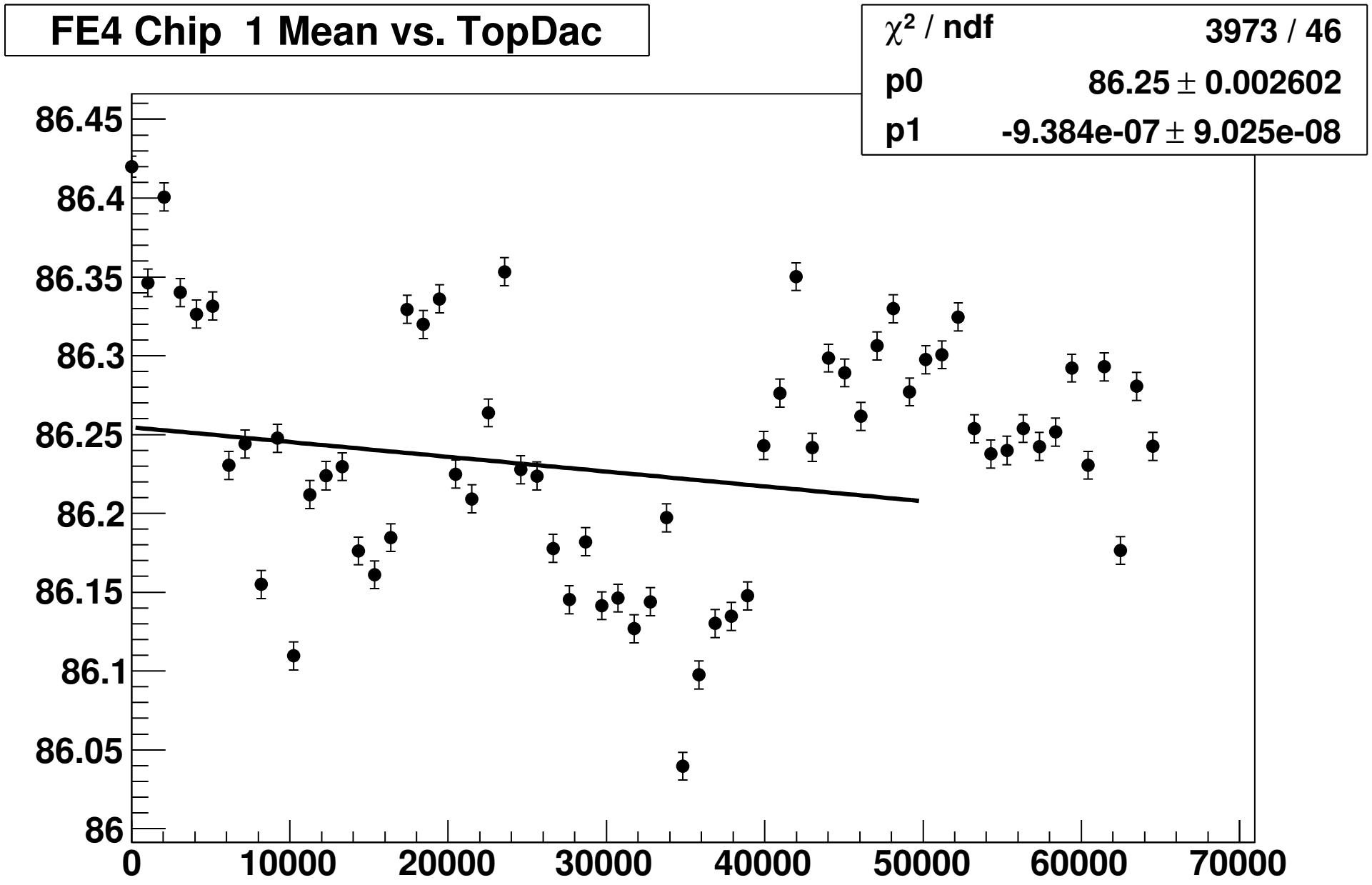
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 1.293e+04 / 46
p0 1.348 ± 0.001508
p1 3.633e-05 ± 7.847e-08
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 3973 / 46
p0 86.25 ± 0.002602
p1 -9.384e-07 ± 9.025e-08
86.45
86.4
86.35
86.3
86.25
86.2
86.15
86.1
86.05
86
0
10000
20000
30000
40000
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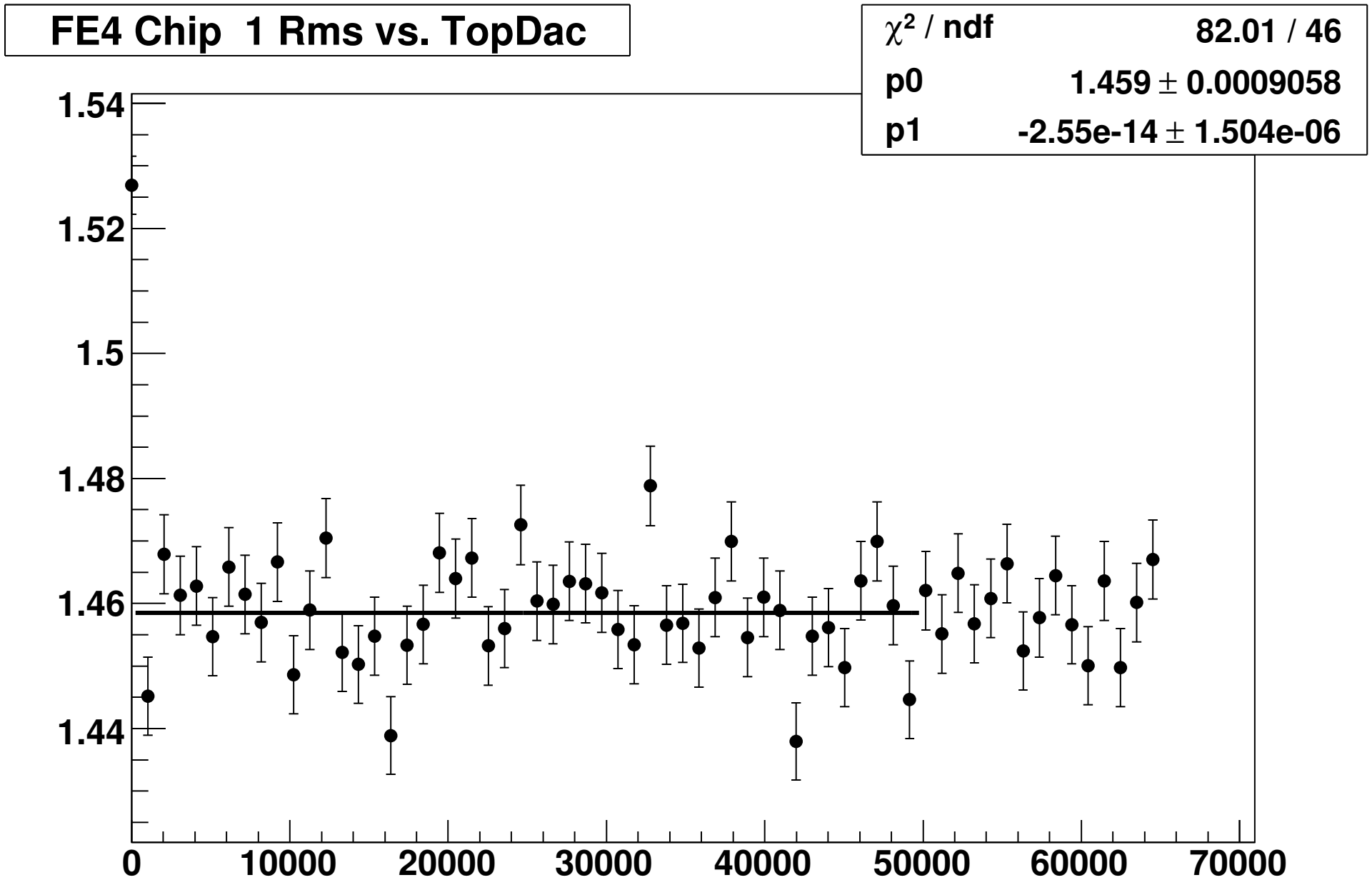
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 82.01 / 46
p0 1.459 ± 0.0009058
p1 -2.55e-14 ± 1.504e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
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30000
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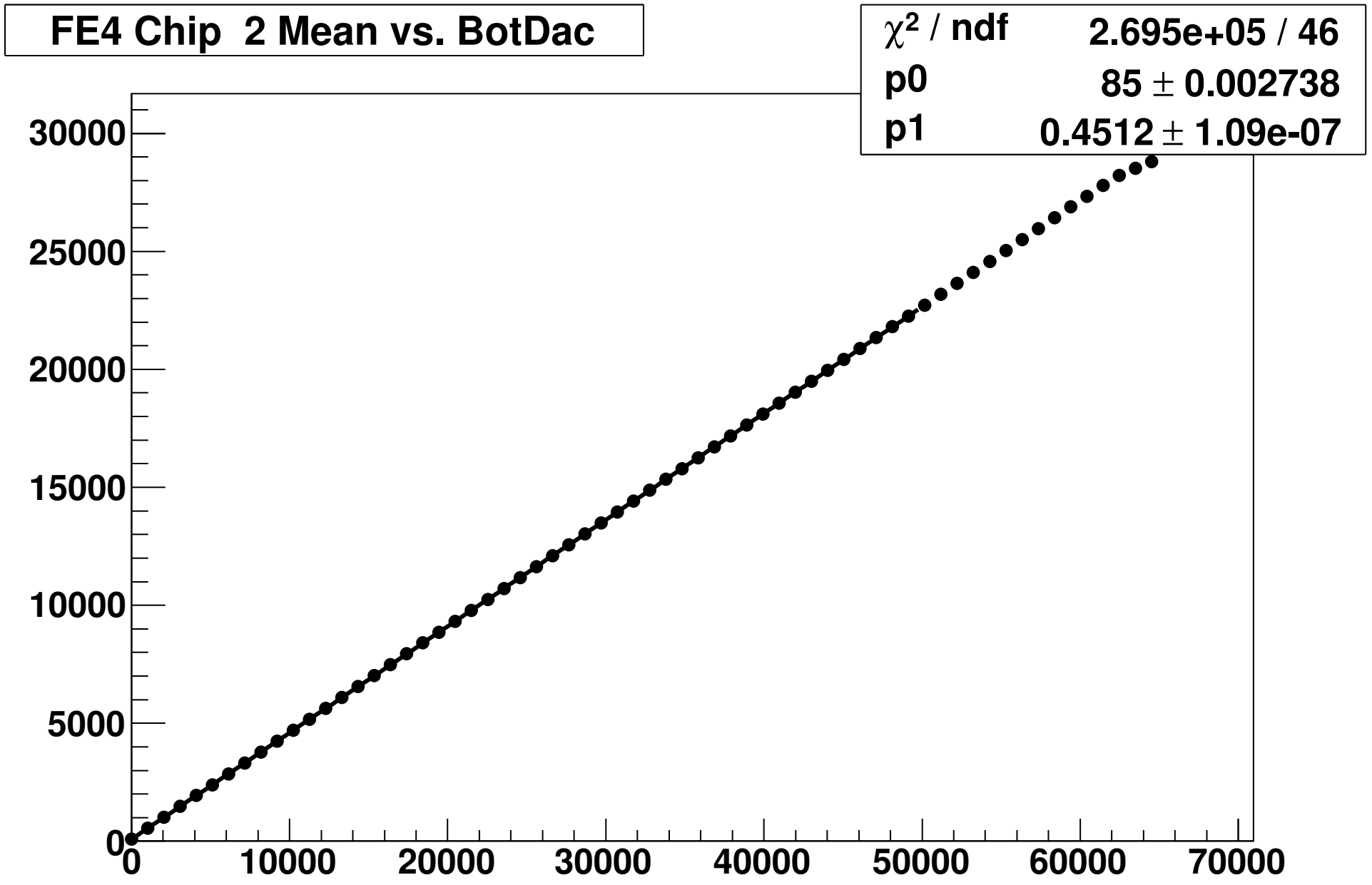
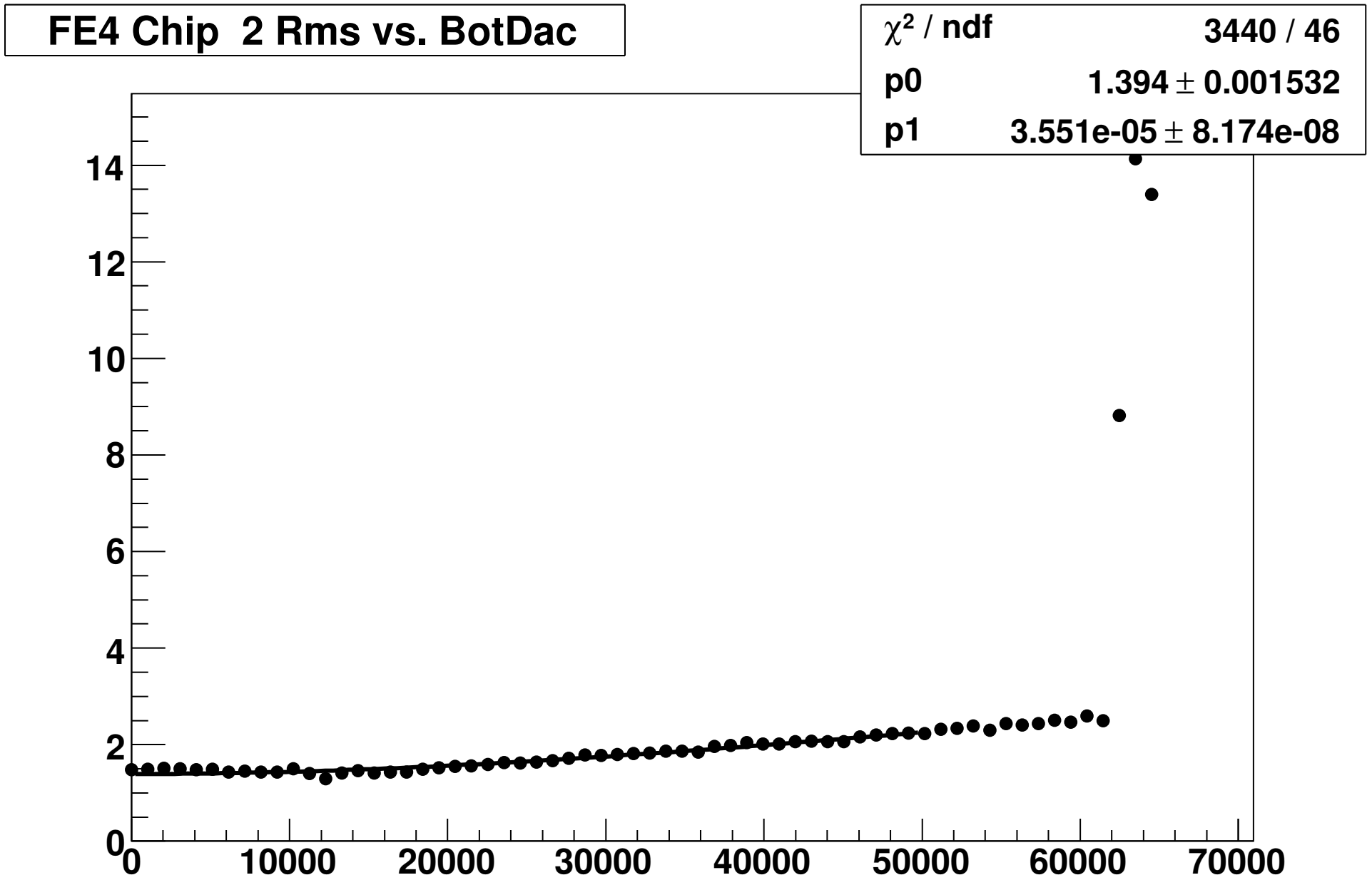
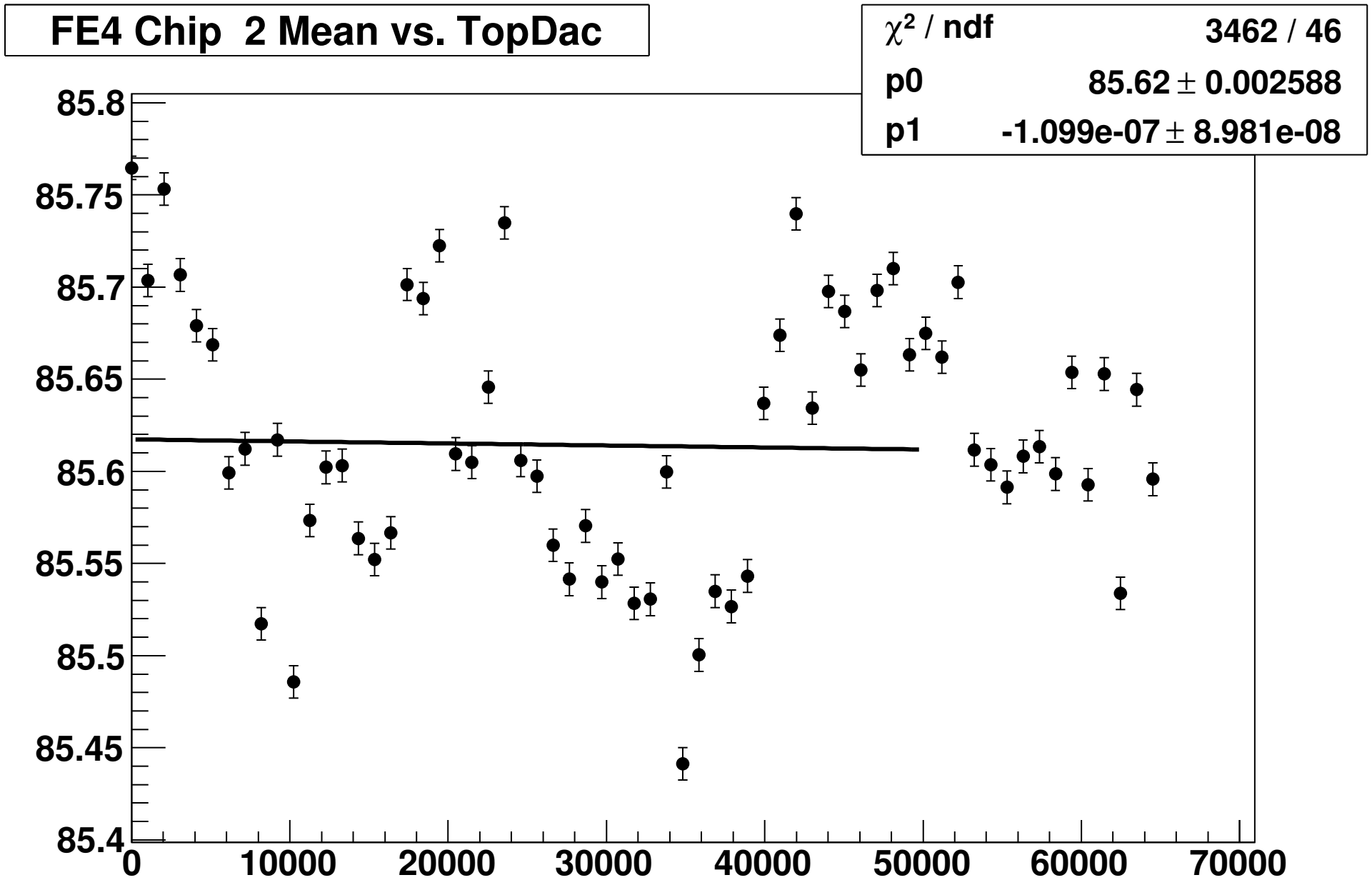

FE4 Chip 2 Mean vs. BotDac
χ² / ndf 2.695e+05 / 46
p0 85 ± 0.002738
p1 0.4512 ± 1.09e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 3440 / 46
p0 1.394 ± 0.001532
p1 3.551e-05 ± 8.174e-08
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 3462 / 46
p0 85.62 ± 0.002588
p1 -1.099e-07 ± 8.981e-08
85.8
85.75
85.7
85.65
85.6
85.55
85.5
85.45
85.4
0
10000
20000
30000
40000
50000
60000
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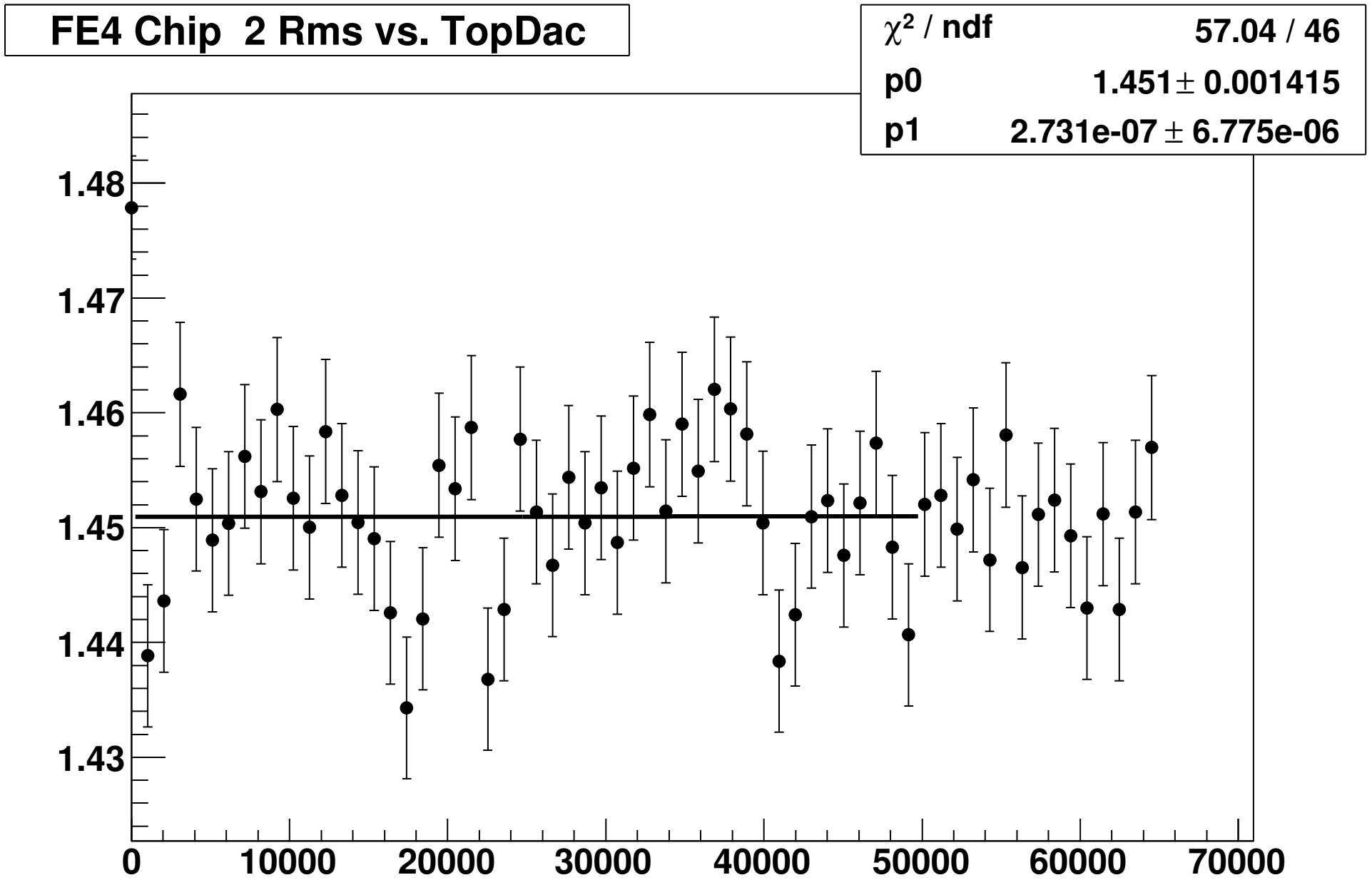
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 57.04 / 46
p0 1.451 ± 0.001415
p1 2.731e-07 ± 6.775e-06
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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50000
60000
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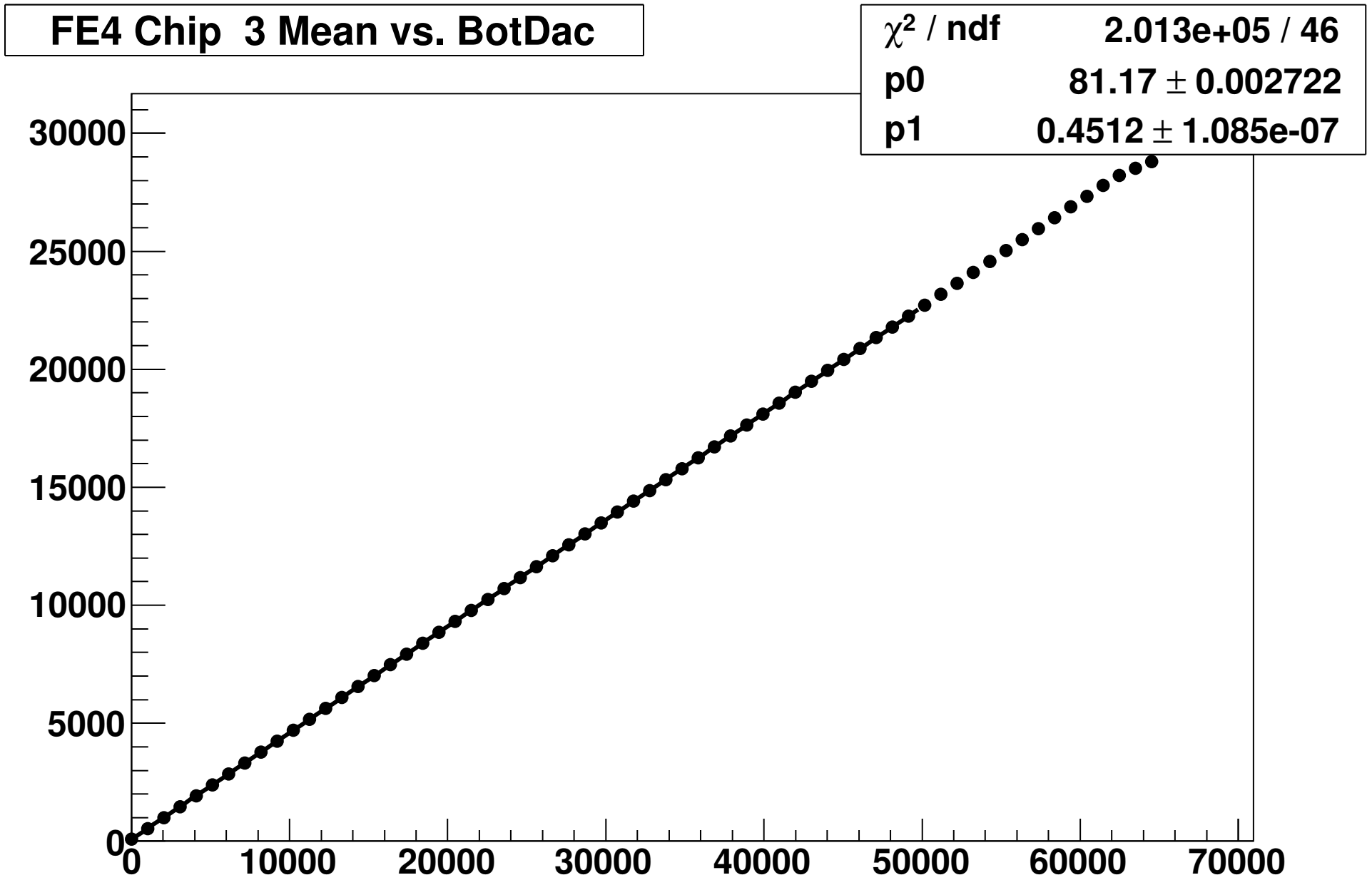
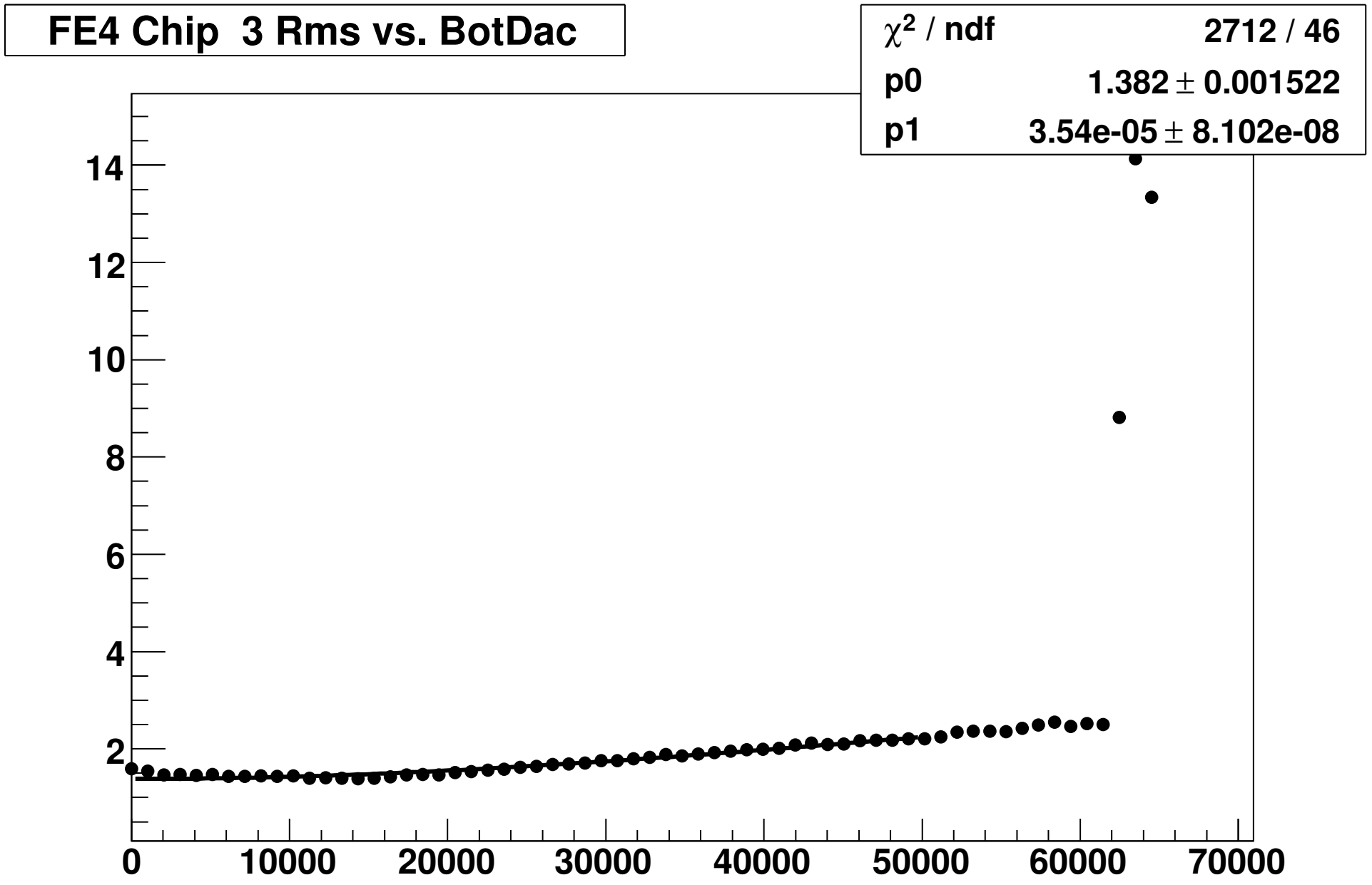
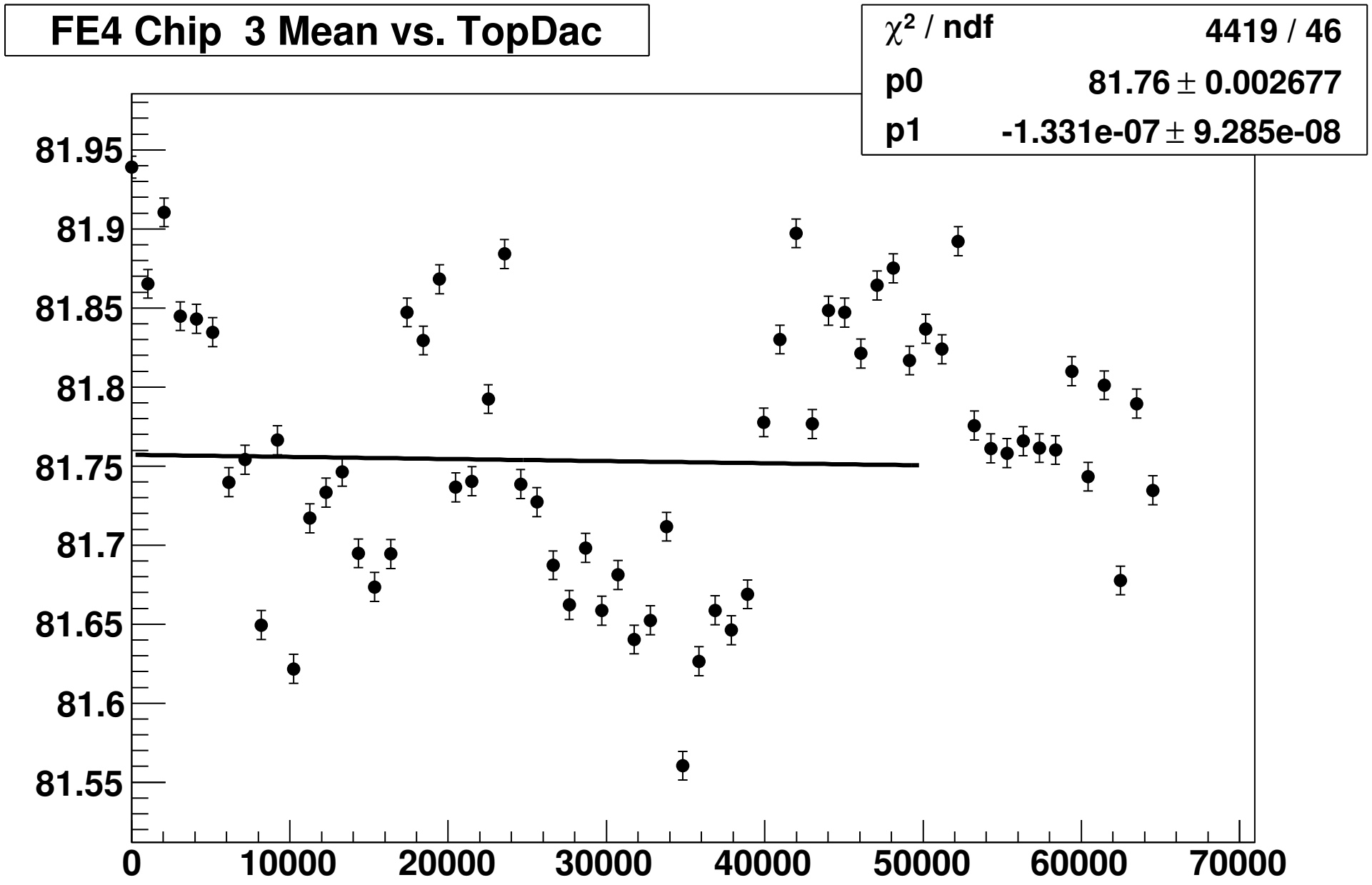
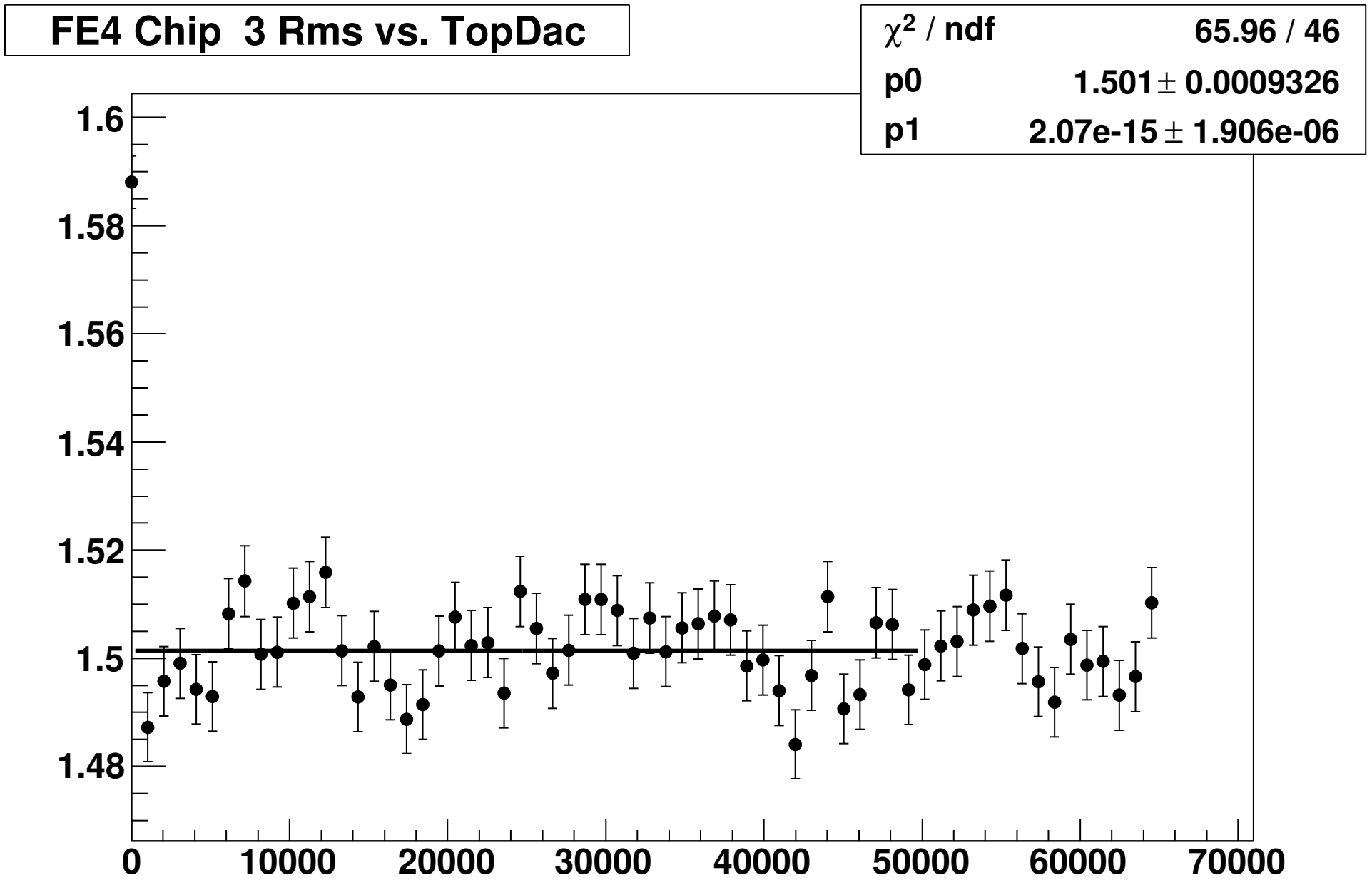
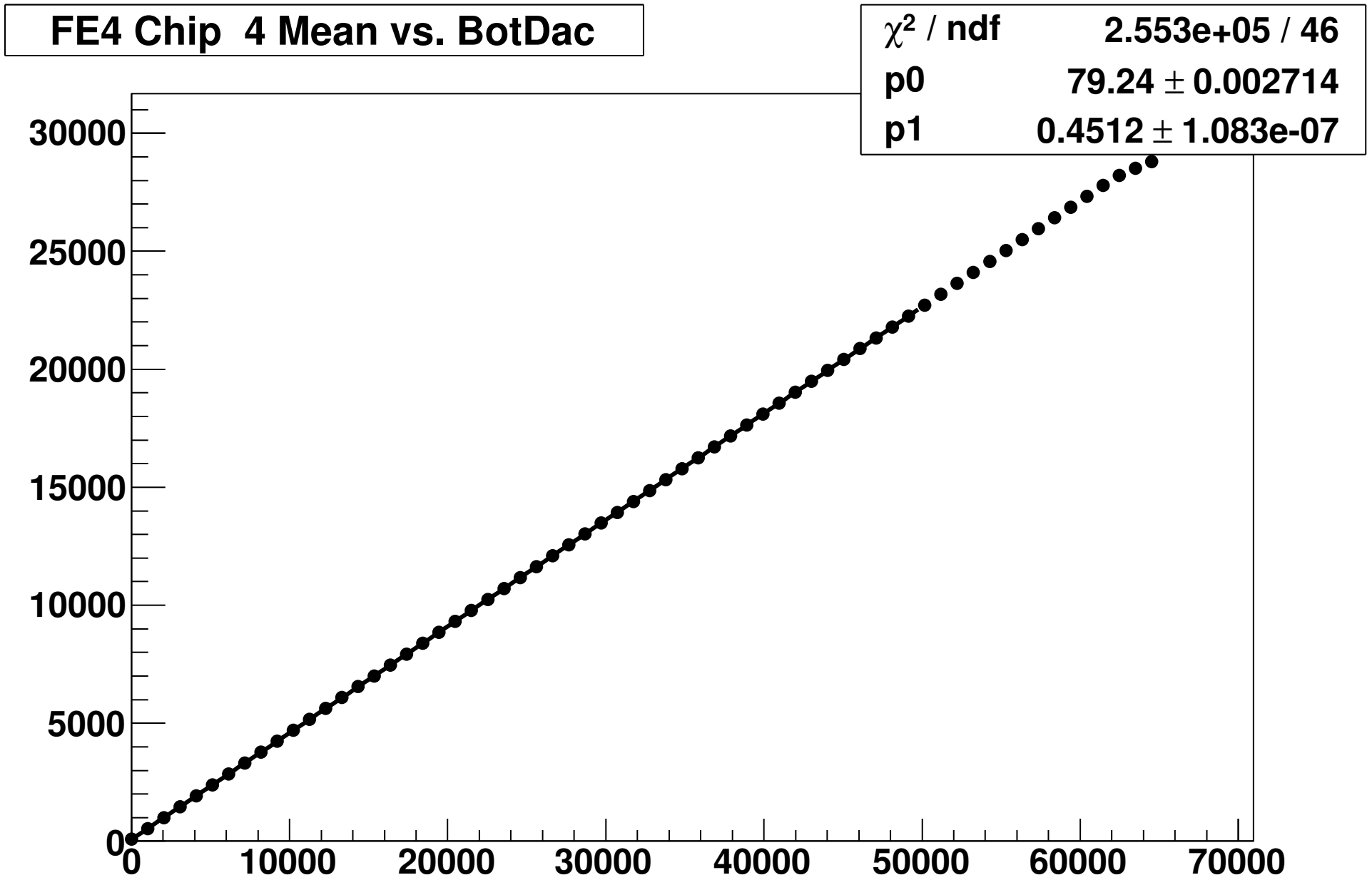
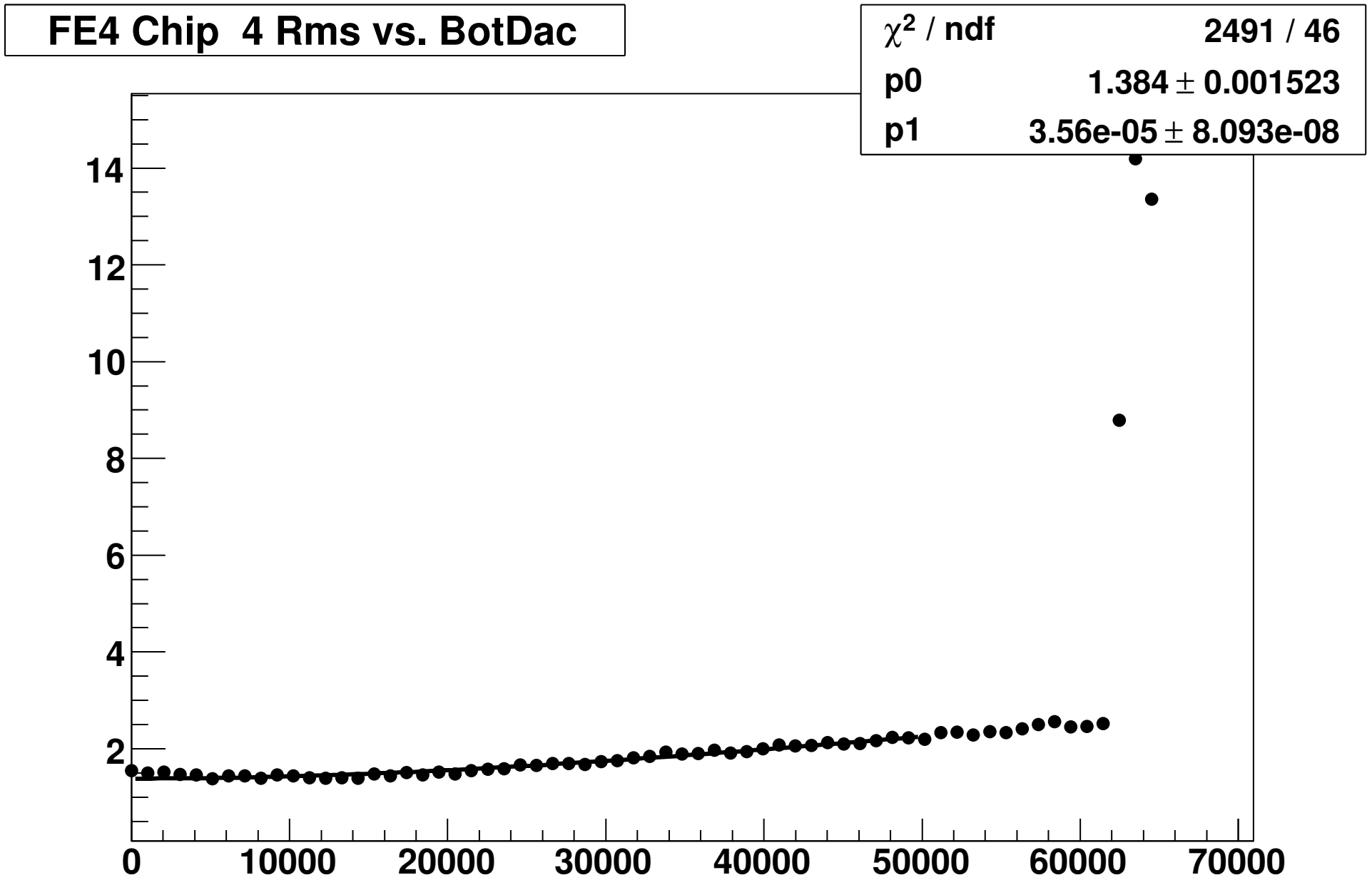

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 2.013e+05 / 46
p0 81.17 ± 0.002722
p1 0.4512 ± 1.085e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

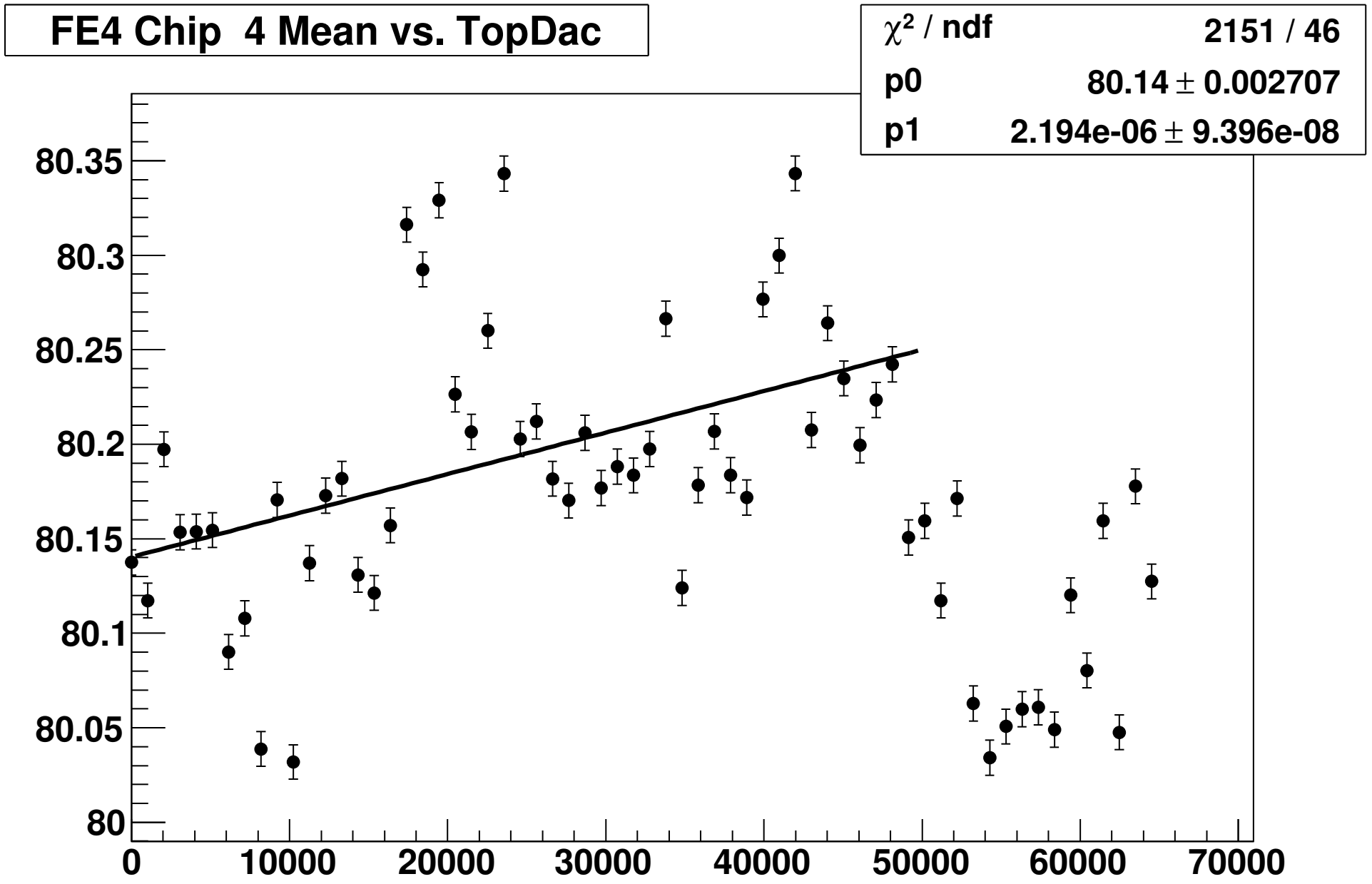

FE4 Chip 3 Rms vs. BotDac
χ² / ndf 2712 / 46
p0 1.382 ± 0.001522
p1 3.54e-05 ± 8.102e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

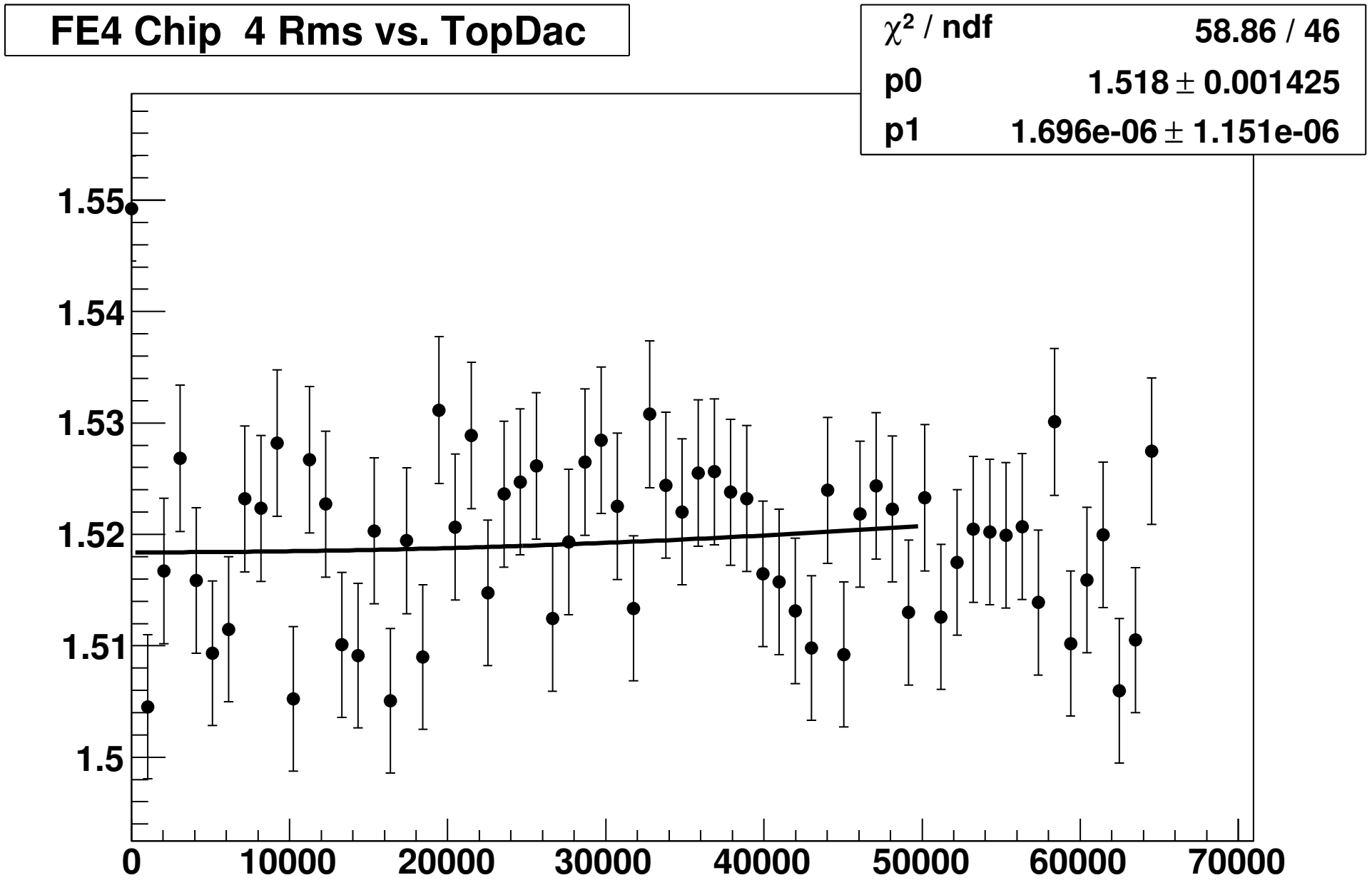

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 4419 / 46
p0 81.76 ± 0.002677
p1 -1.331e-07 ± 9.285e-08
81.95
81.9
81.85
81.8
81.75
81.7
81.65
81.6
81.55
0
10000
20000
30000
40000
50000
60000
70000

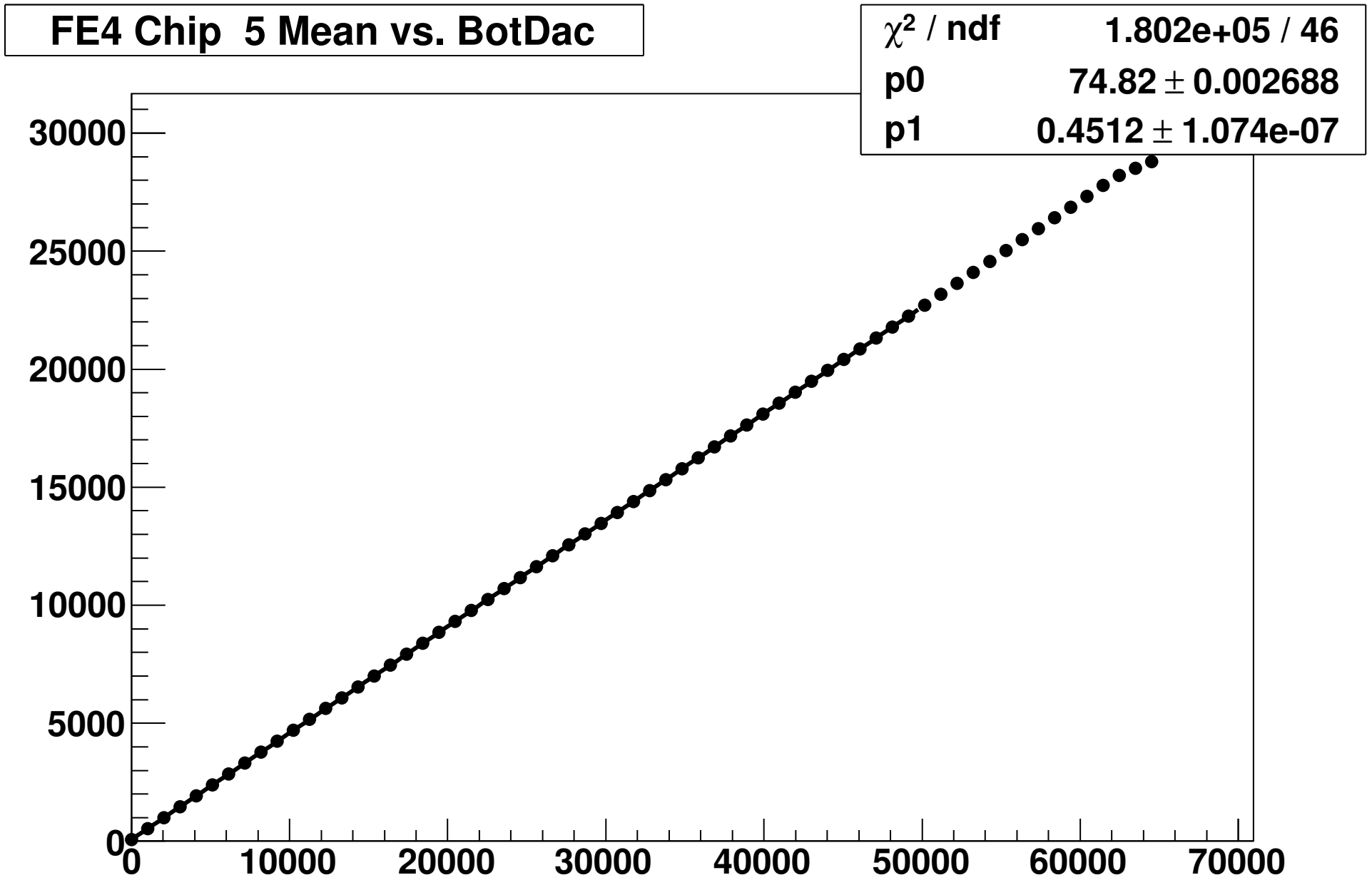

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 65.96 / 46
p0 1.501 ± 0.0009326
p1 2.07e-15 ± 1.906e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

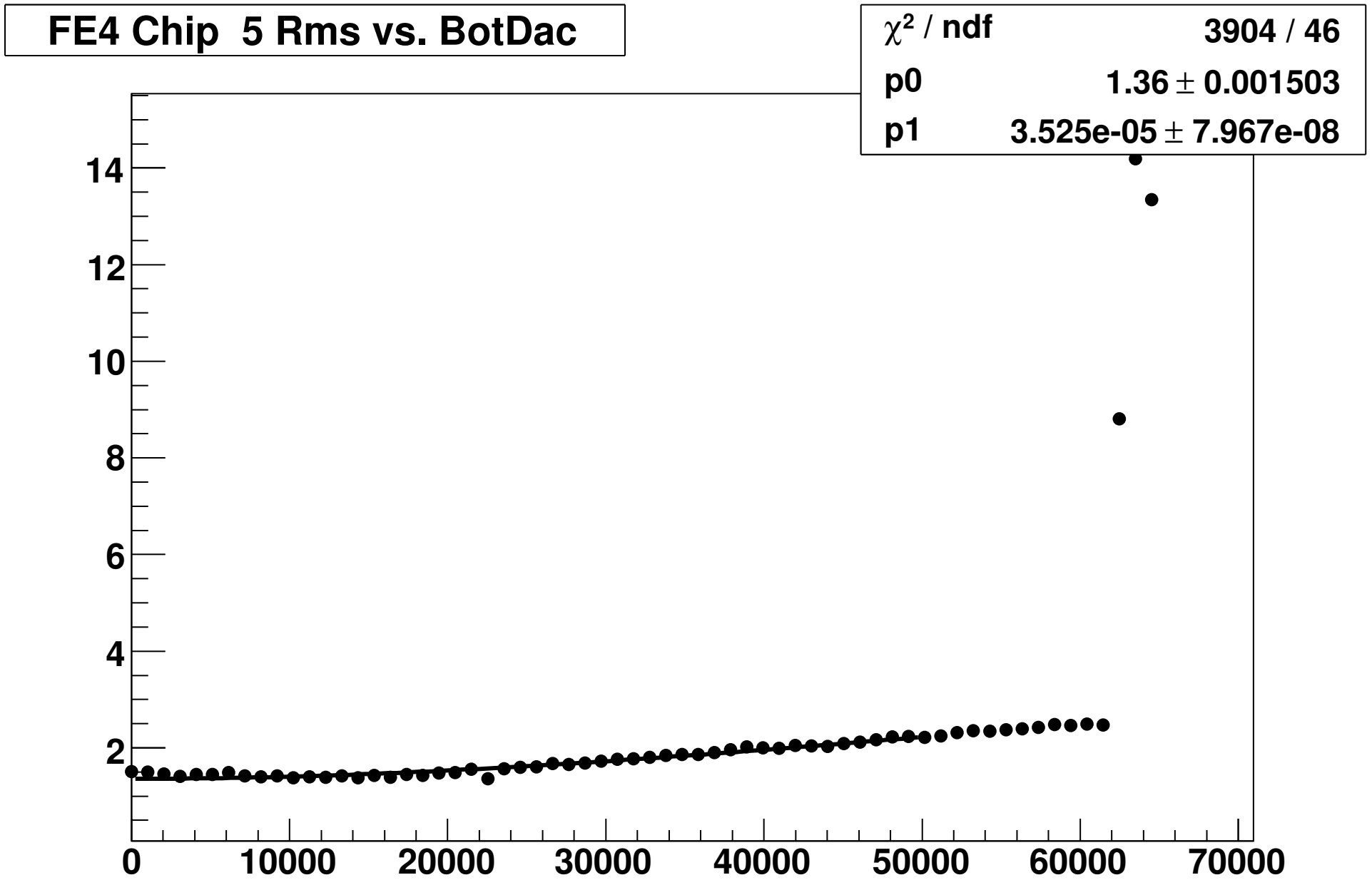

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 2.553e+05 / 46
p0 79.24 ± 0.002714
p1 0.4512 ± 1.083e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

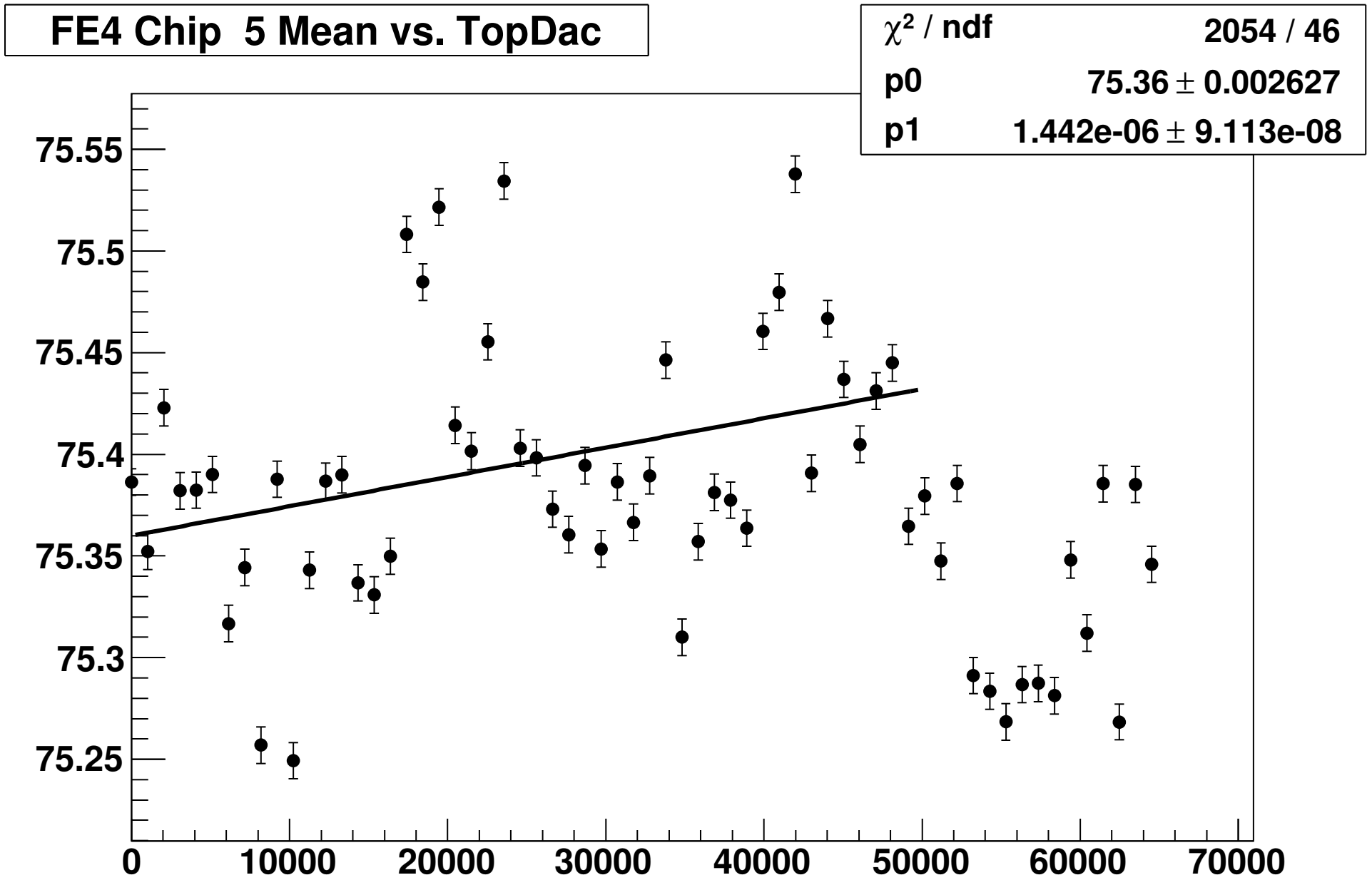

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 2491 / 46
p0 1.384 ± 0.001523
p1 3.56e-05 ± 8.093e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

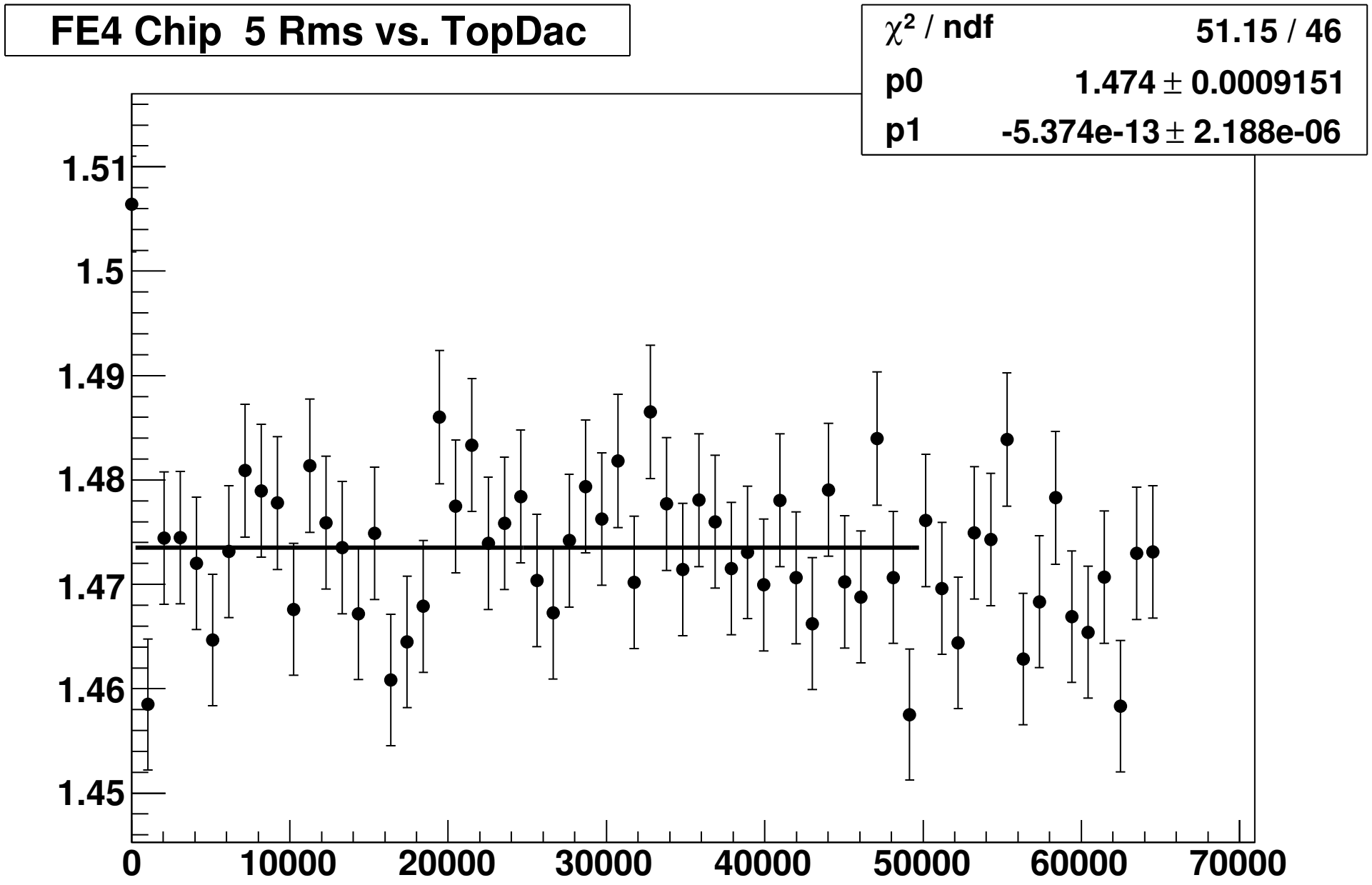

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 2151 / 46
p0 80.14 ± 0.002707
p1 2.194e-06 ± 9.396e-08
80.35
80.3
80.25
80.2
80.15
80.1
80.05
80
0
10000
20000
30000
40000
50000
60000
70000

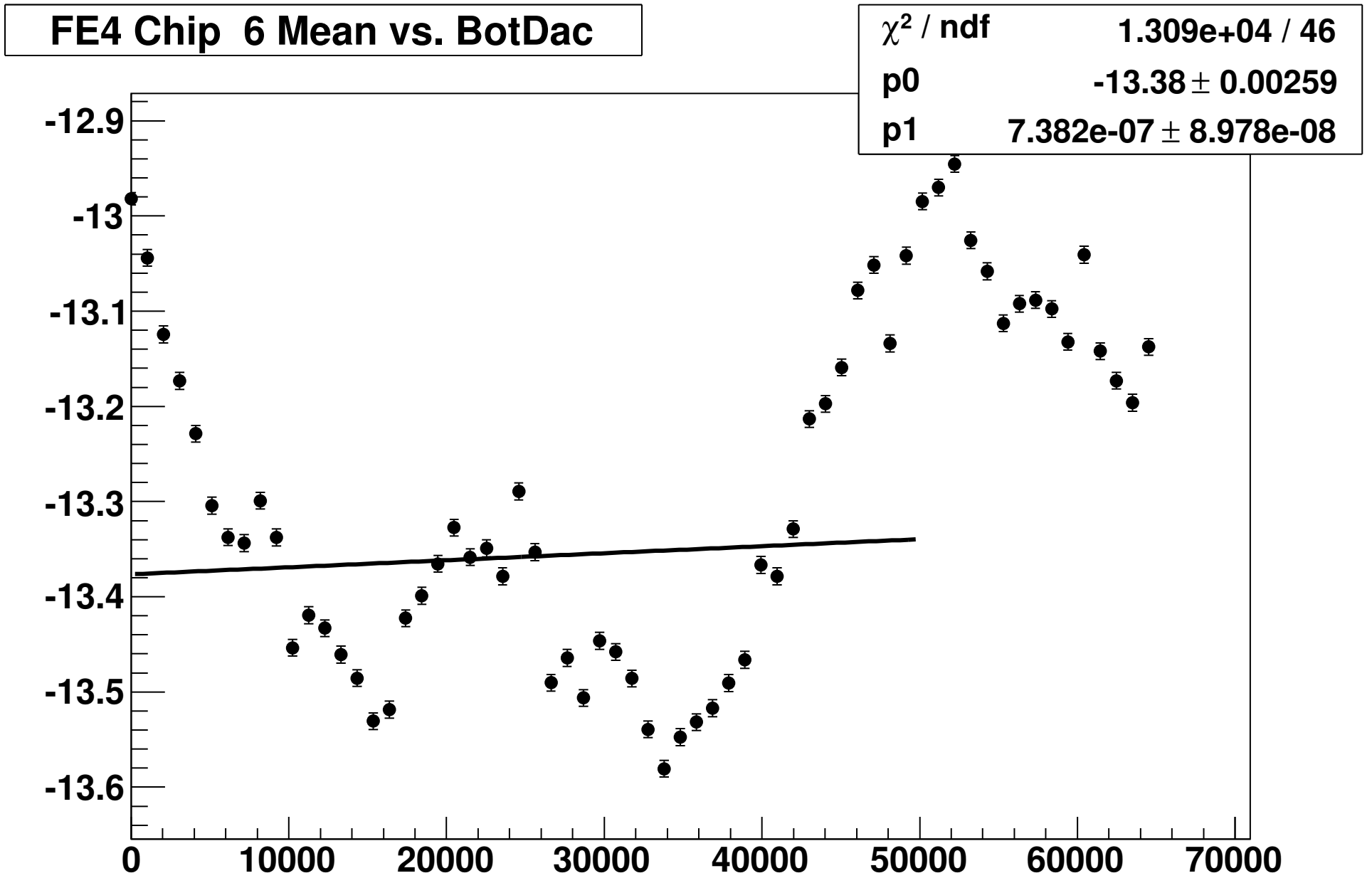

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 58.86 / 46
p0 1.518 ± 0.001425
p1 1.696e-06 ± 1.151e-06
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

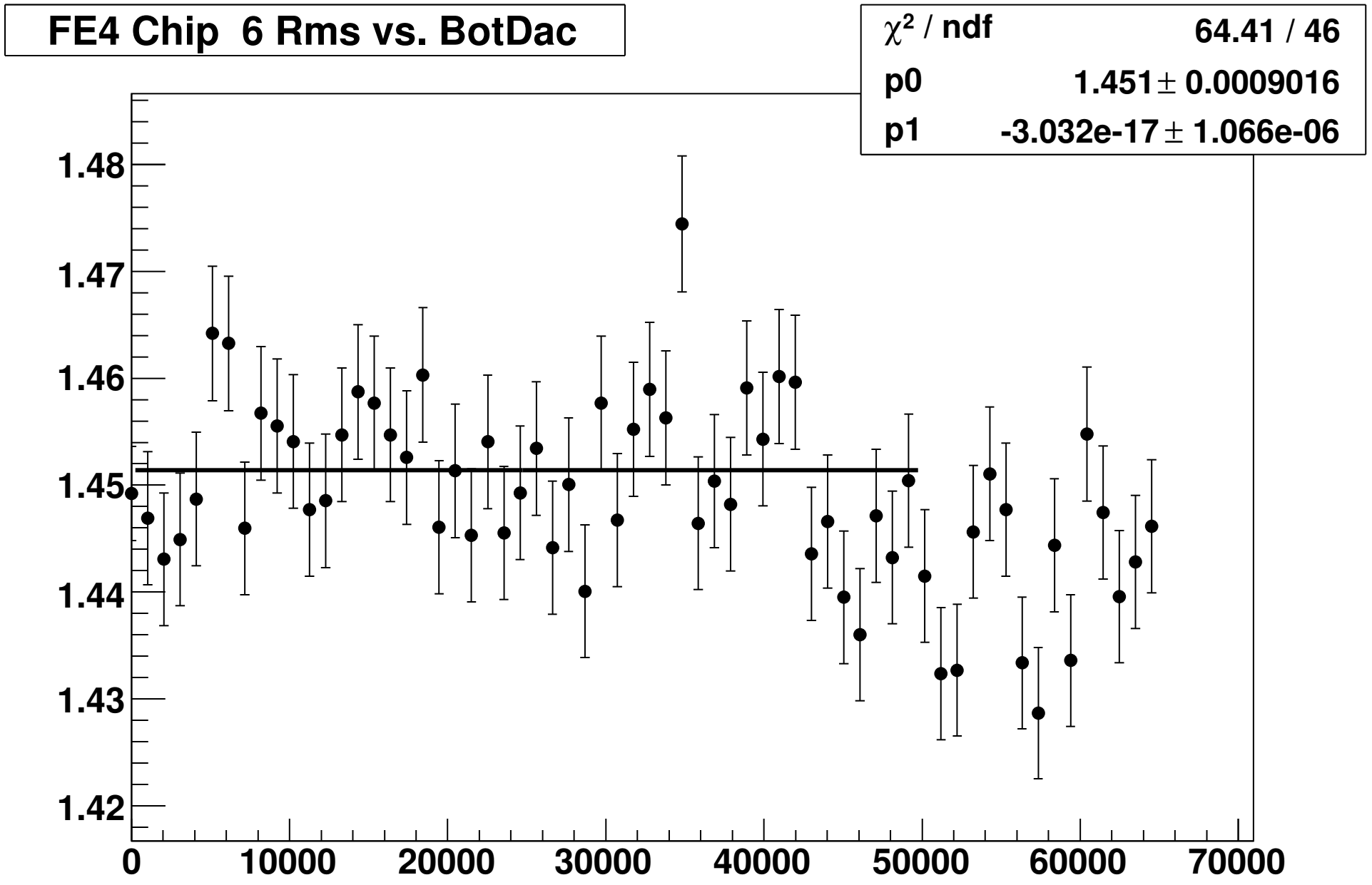

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.802e+05 / 46
p0 74.82 ± 0.002688
p1 0.4512 ± 1.074e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

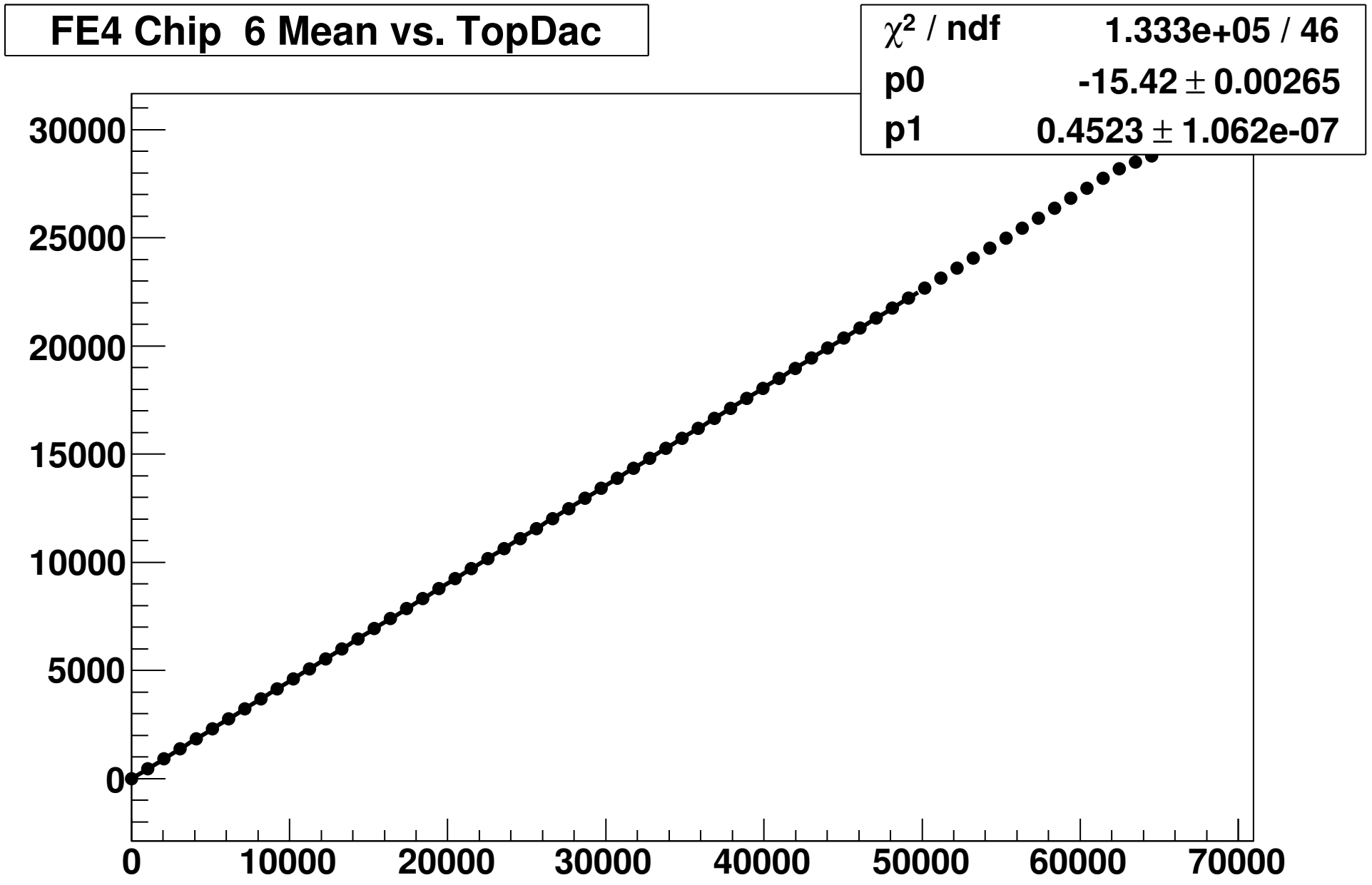

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 3904 / 46
p0 1.36 ± 0.001503
p1 3.525e-05 ± 7.967e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

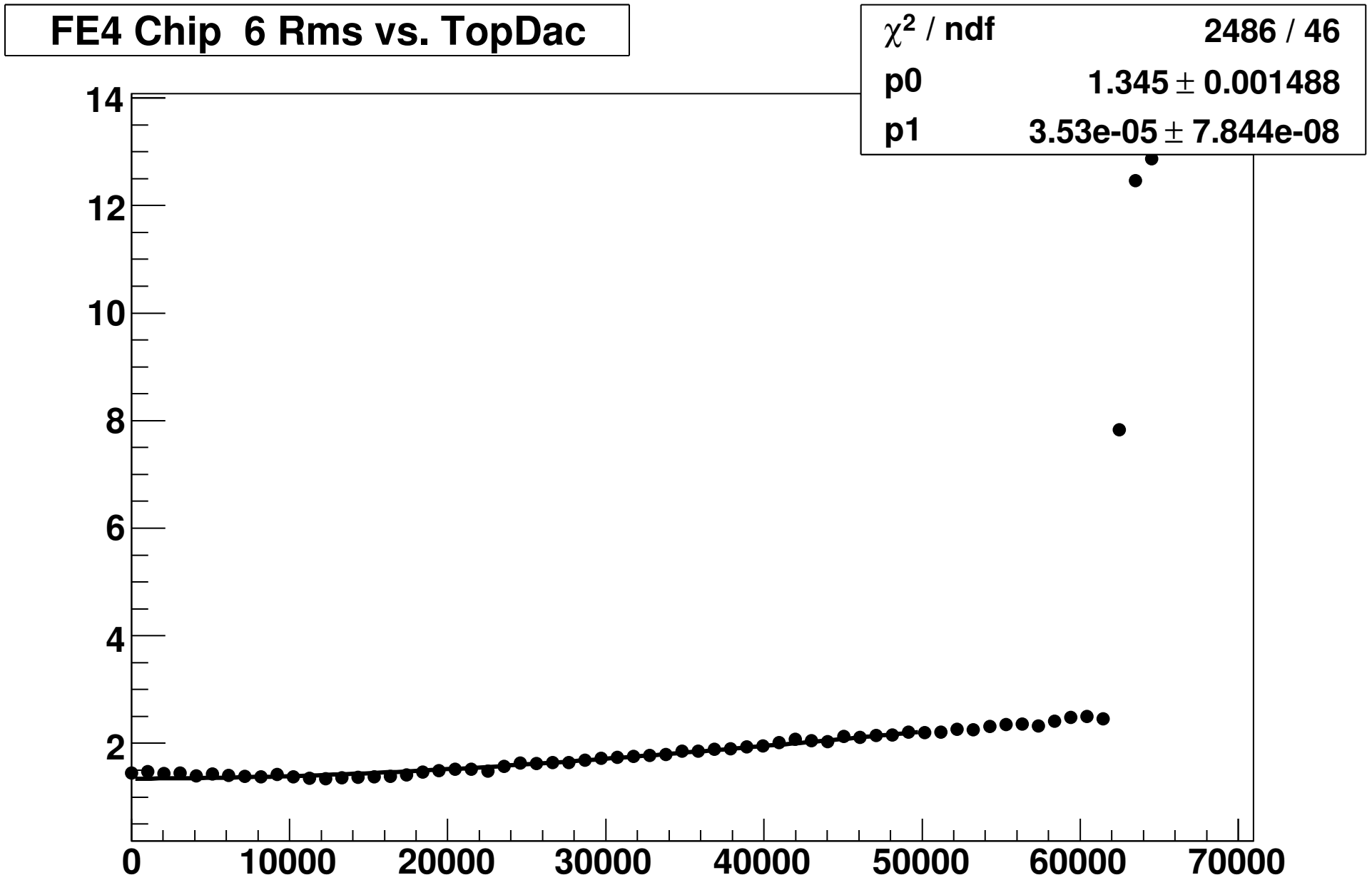

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 2054 / 46
p0 75.36 ± 0.002627
p1 1.442e-06 ± 9.113e-08
75.55
75.5
75.45
75.4
75.35
75.3
75.25
0
10000
20000
30000
40000
50000
60000
70000

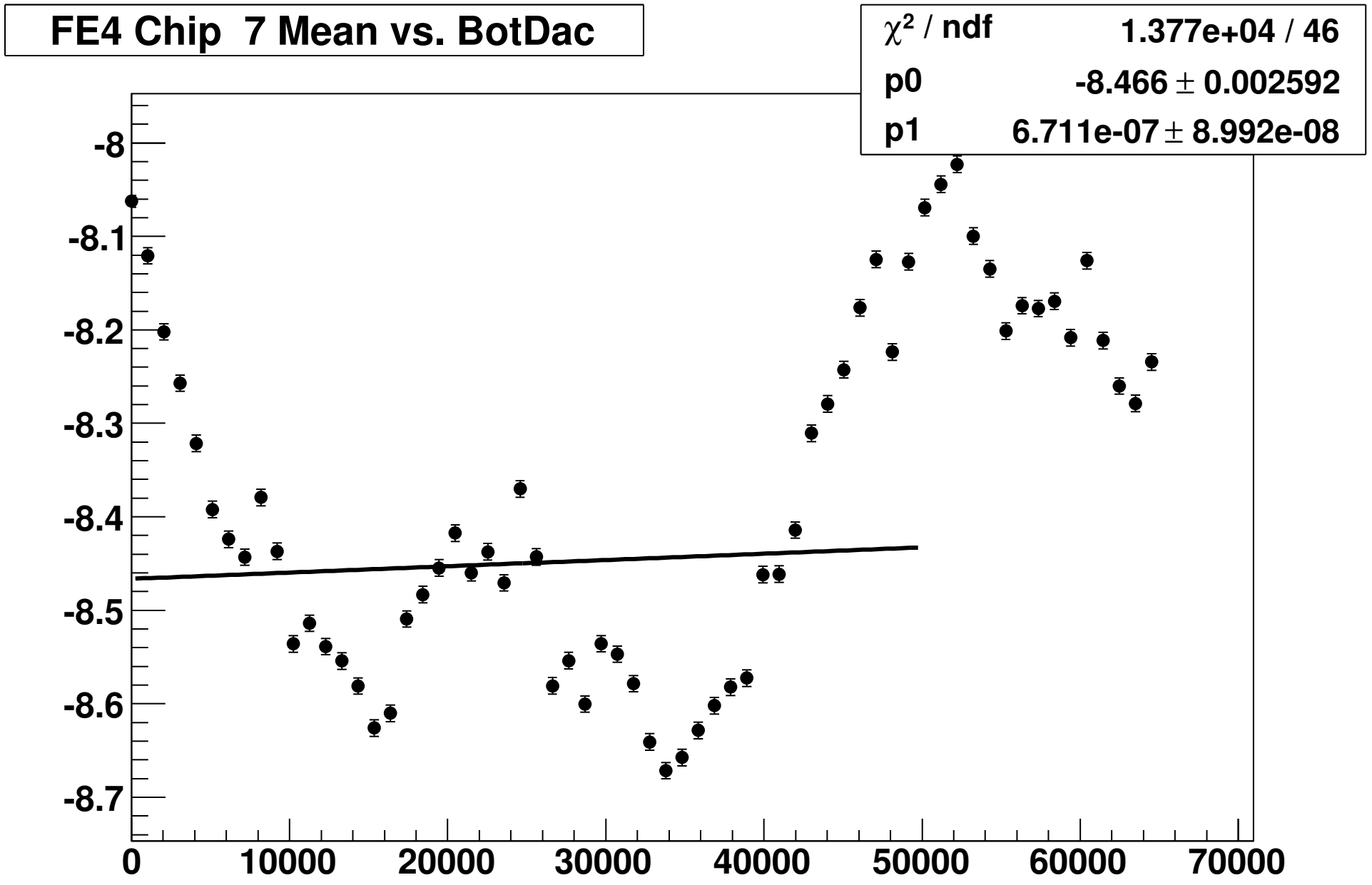

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 51.15 / 46
p0 1.474 ± 0.0009151
p1 -5.374e-13 ± 2.188e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

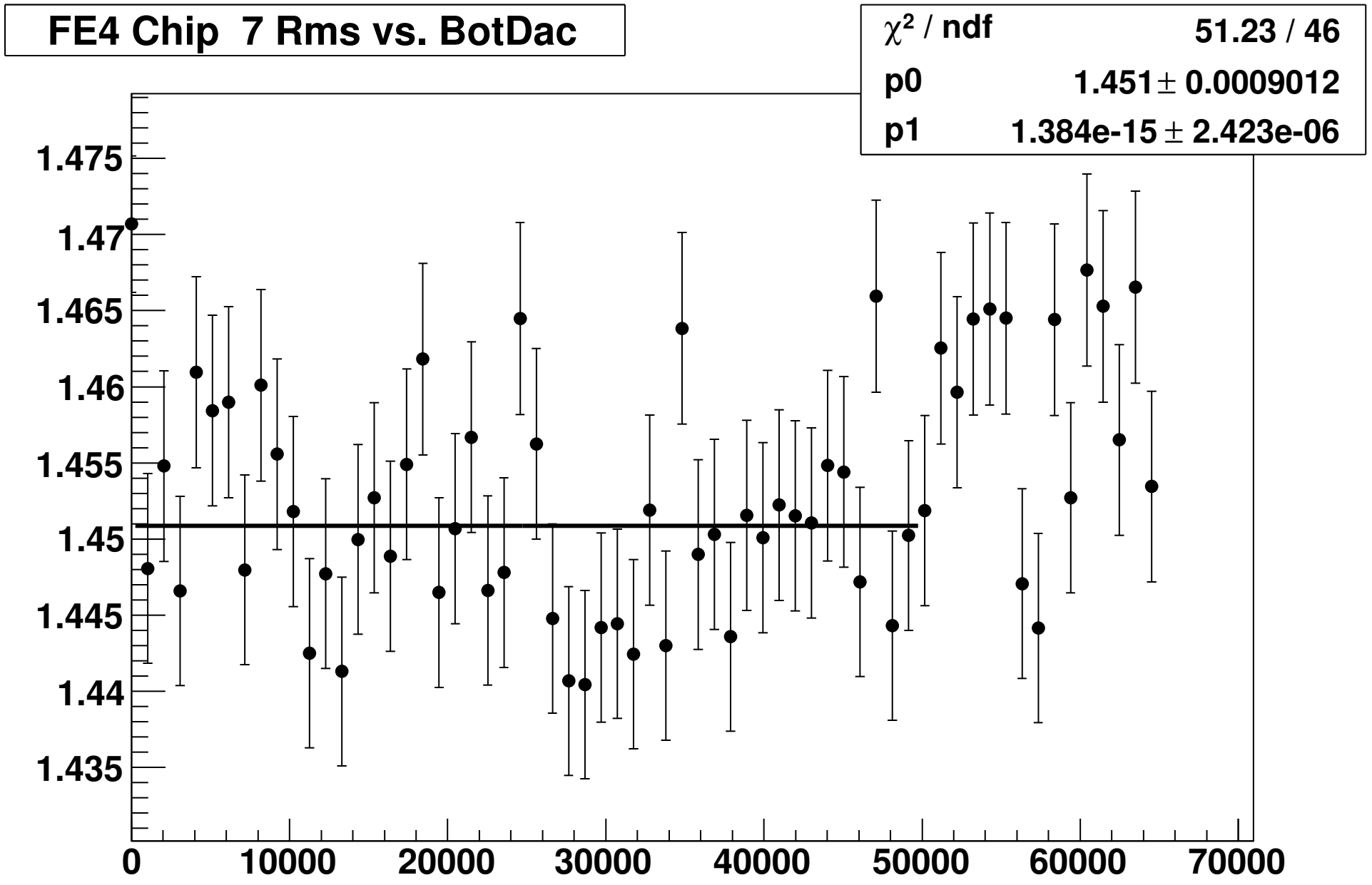

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 1.309e+04 / 46
p0 -13.38 ± 0.00259
p1 7.382e-07 ± 8.978e-08
-12.9
-13
-13.1
-13.2
-13.3
-13.4
-13.5
-13.6
0
10000
20000
30000
40000
50000
60000
70000

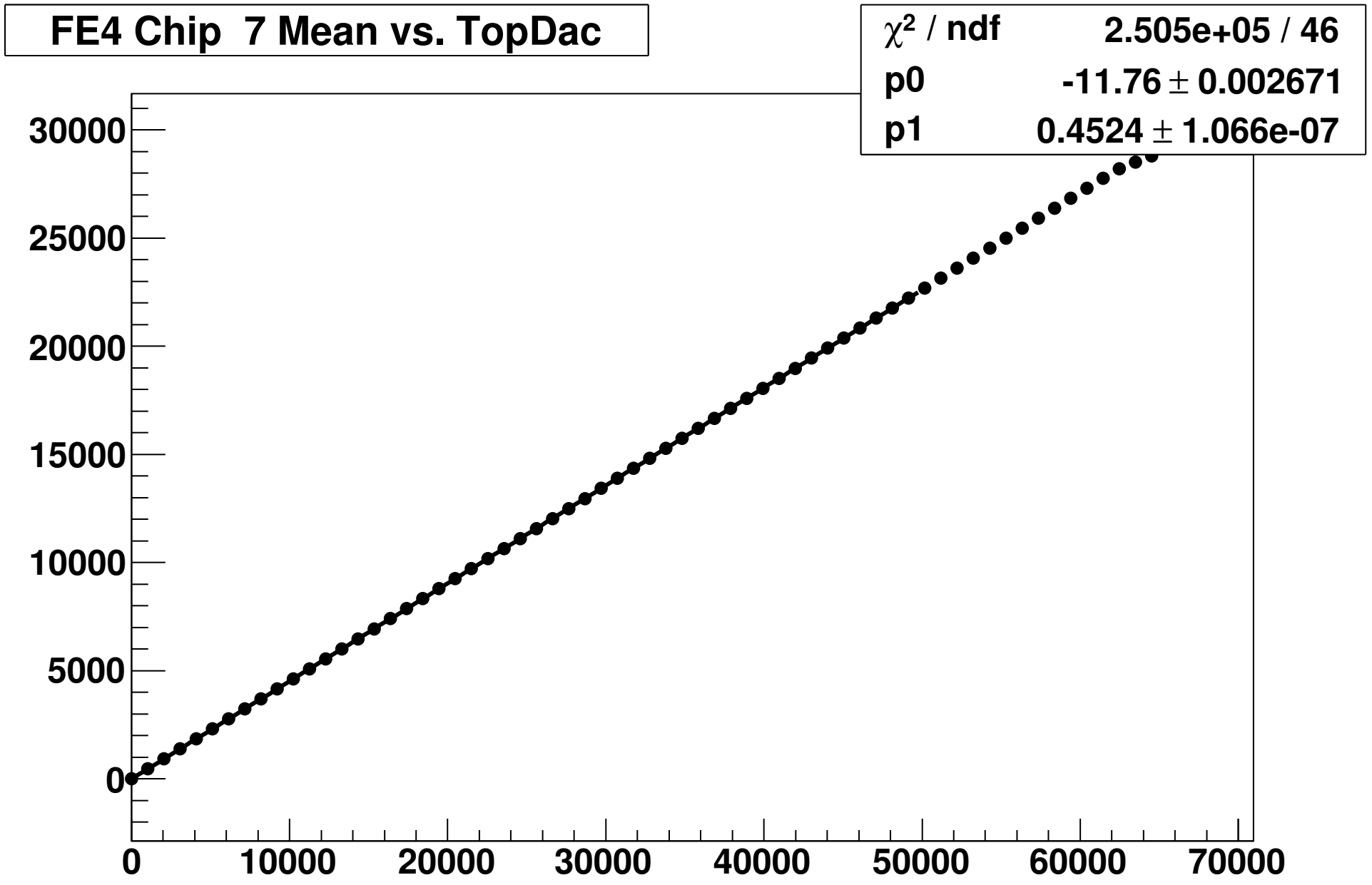

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 64.41 / 46
p0 1.451 ± 0.0009016
p1 -3.032e-17 ± 1.066e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

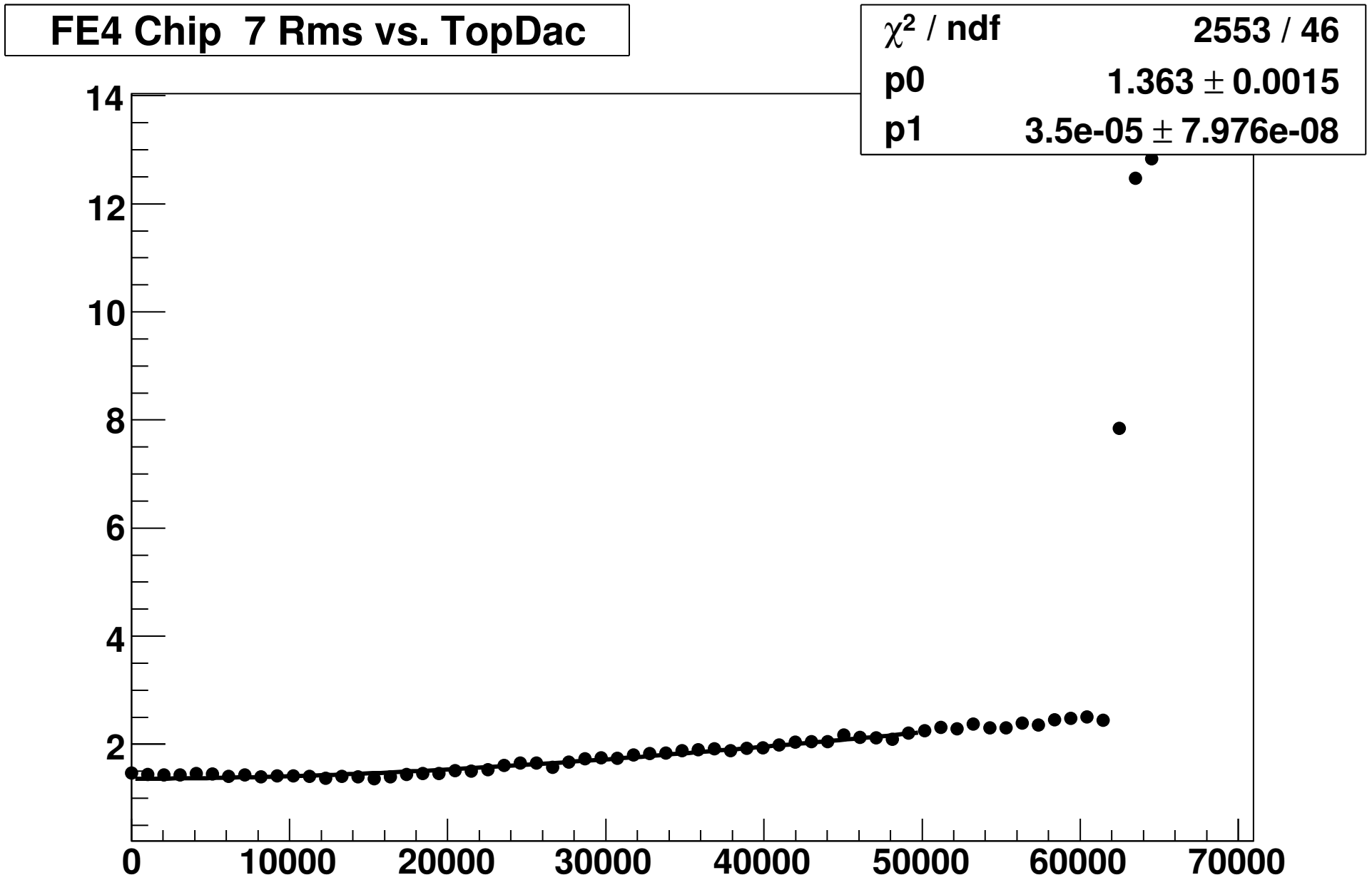

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.333e+05 / 46
p0 -15.42 ± 0.00265
p1 0.4523 ± 1.062e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

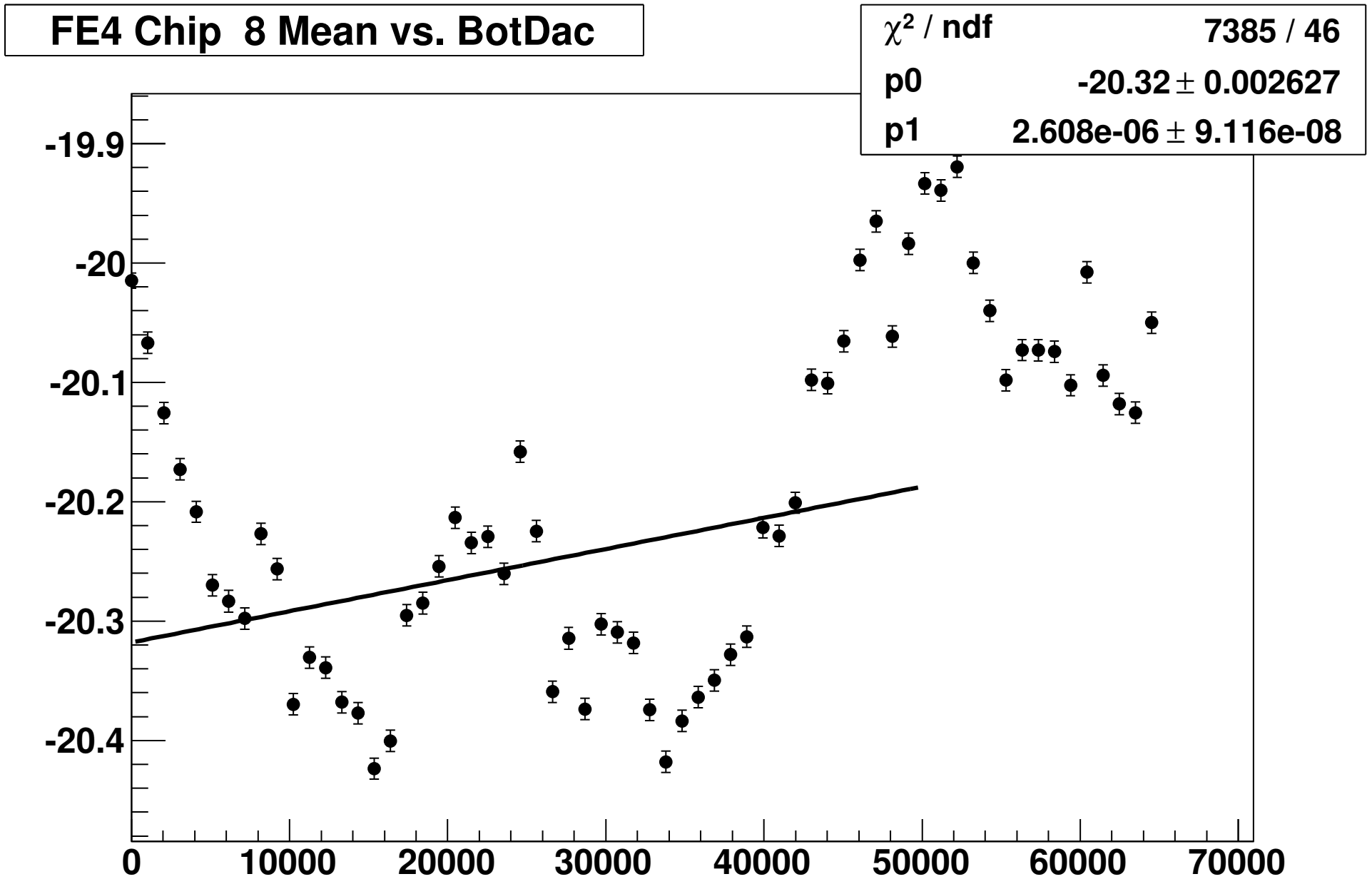

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 2486 / 46
p0 1.345 ± 0.001488
p1 3.53e-05 ± 7.844e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

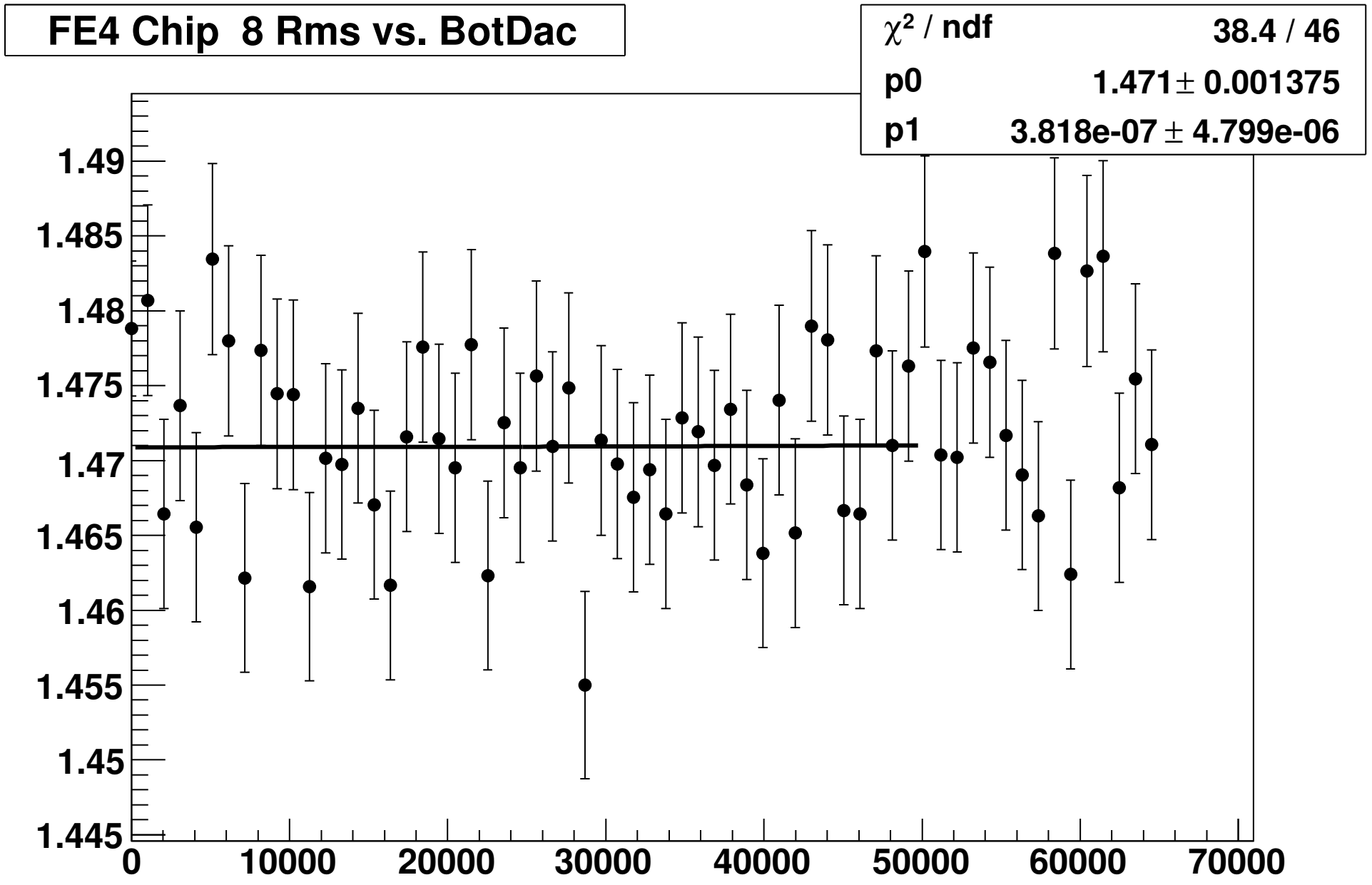

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 1.377e+04 / 46
p0 -8.466 ± 0.002592
p1 6.711e-07 ± 8.992e-08
-8
-8.1
-8.2
-8.3
-8.4
-8.5
-8.6
-8.7
0
10000
20000
30000
40000
50000
60000
70000

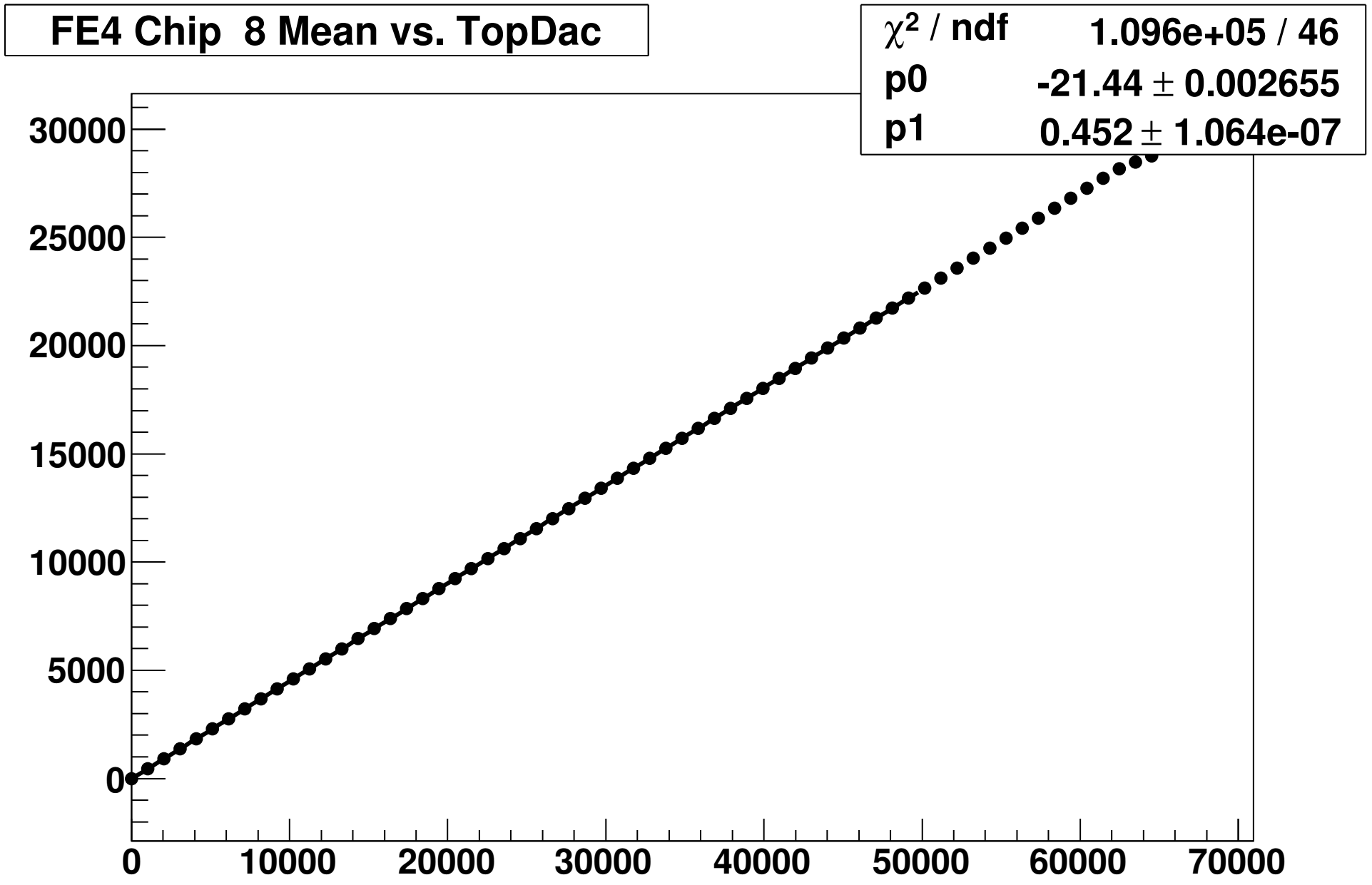

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 51.23 / 46
p0 1.451 ± 0.0009012
p1 1.384e-15 ± 2.423e-06
1.475
1.47
1.465
1.46
1.455
1.45
1.445
1.44
1.435
0
10000
20000
30000
40000
50000
60000
70000

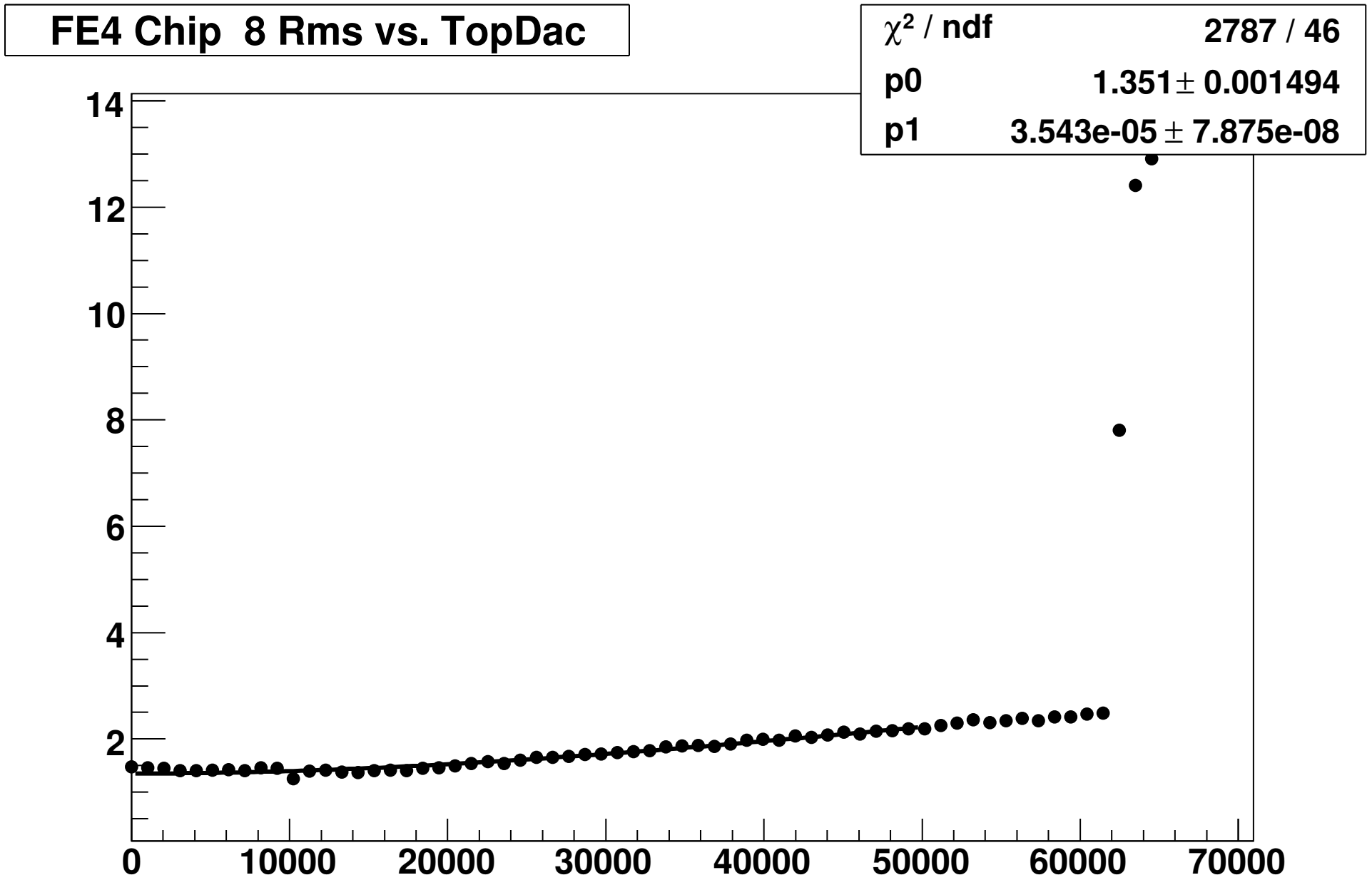

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 2.505e+05 / 46
p0 -11.76 ± 0.002671
p1 0.4524 ± 1.066e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

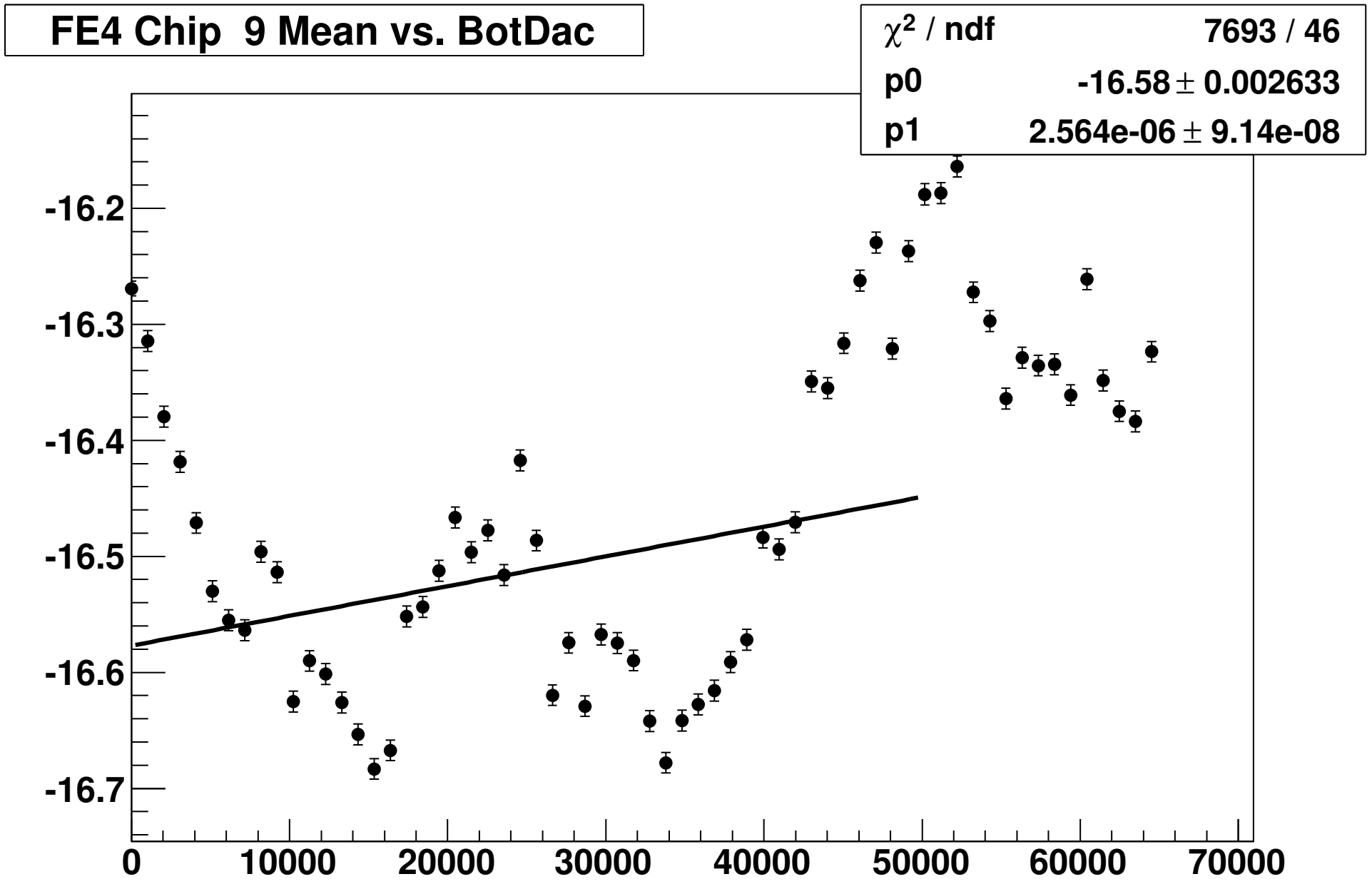

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 2553 / 46
p0 1.363 ± 0.0015
p1 3.5e-05 ± 7.976e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

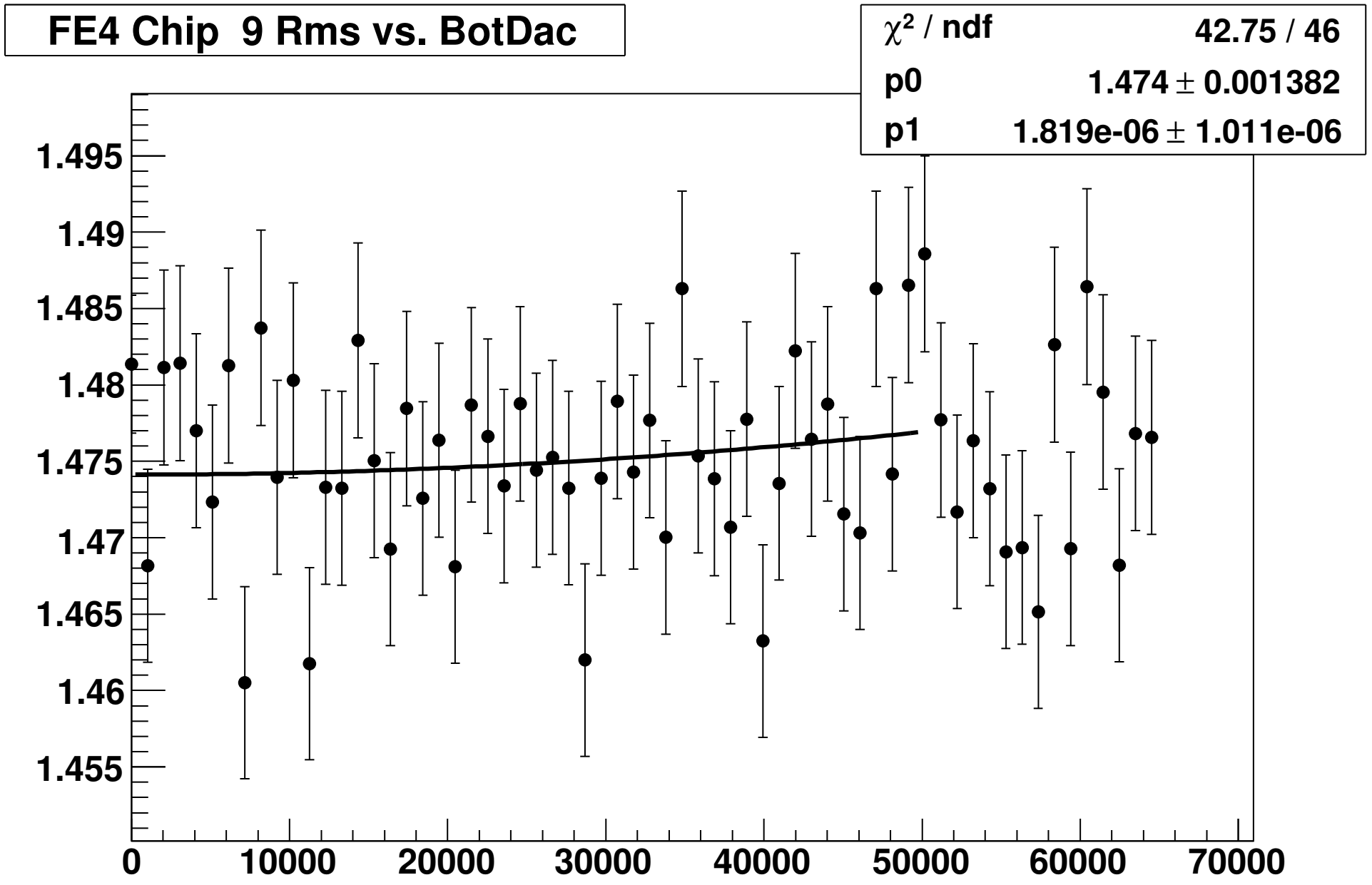

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 7385 / 46
p0 -20.32 ± 0.002627
p1 2.608e-06 ± 9.116e-08
-19.9
-20
-20.1
-20.2
-20.3
-20.4
0
10000
20000
30000
40000
50000
60000
70000

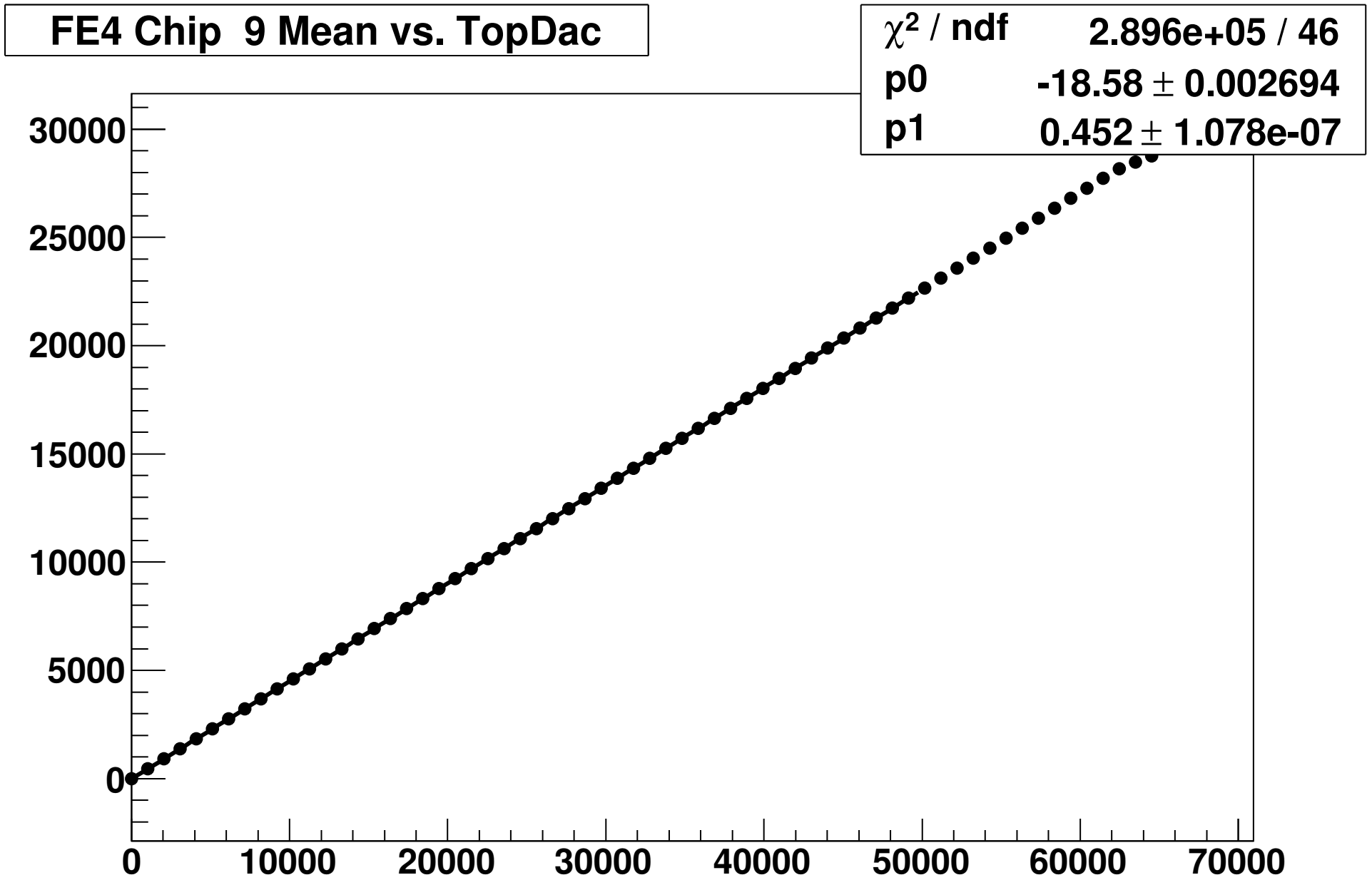

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 38.4 / 46
p0 1.471 ± 0.001375
p1 3.818e-07 ± 4.799e-06
1.49
1.485
1.48
1.475
1.47
1.465
1.46
1.455
1.45
1.445
0
10000
20000
30000
40000
50000
60000
70000

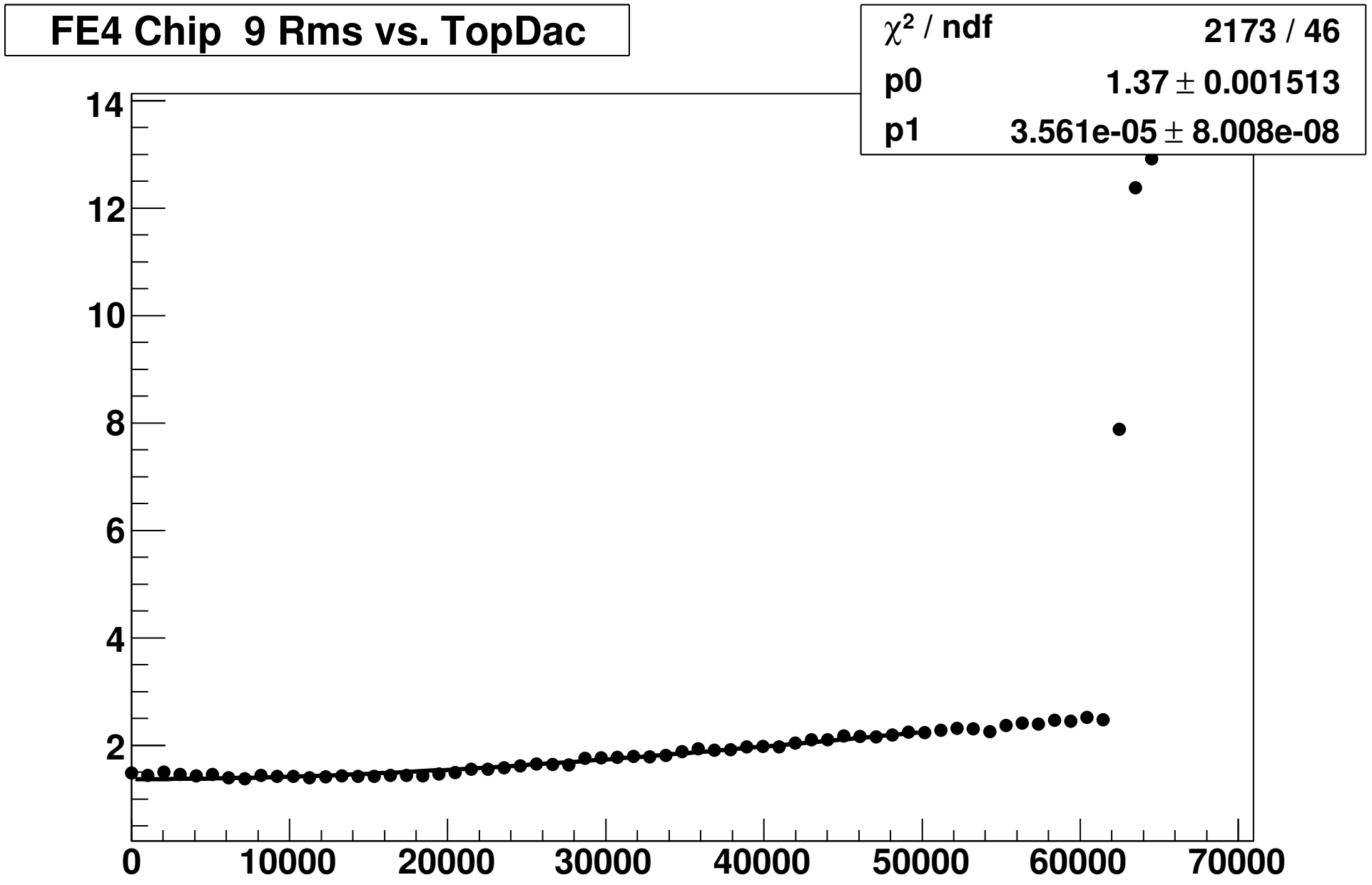

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.096e+05 / 46
p0 -21.44 ± 0.002655
p1 0.452 ± 1.064e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 2787 / 46
p0 1.351 ± 0.001494
p1 3.543e-05 ± 7.875e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 7693 / 46
p0 -16.58 ± 0.002633
p1 2.564e-06 ± 9.14e-08
-16.2
-16.3
-16.4
-16.5
-16.6
-16.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 42.75 / 46
p0 1.474 ± 0.001382
p1 1.819e-06 ± 1.011e-06
1.495
1.49
1.485
1.48
1.475
1.47
1.465
1.46
1.455
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 2.896e+05 / 46
p0 -18.58 ± 0.002694
p1 0.452 ± 1.078e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 2173 / 46
p0 1.37 ± 0.001513
p1 3.561e-05 ± 8.008e-08
14
12
10
8
6
4
2
0
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20000
30000
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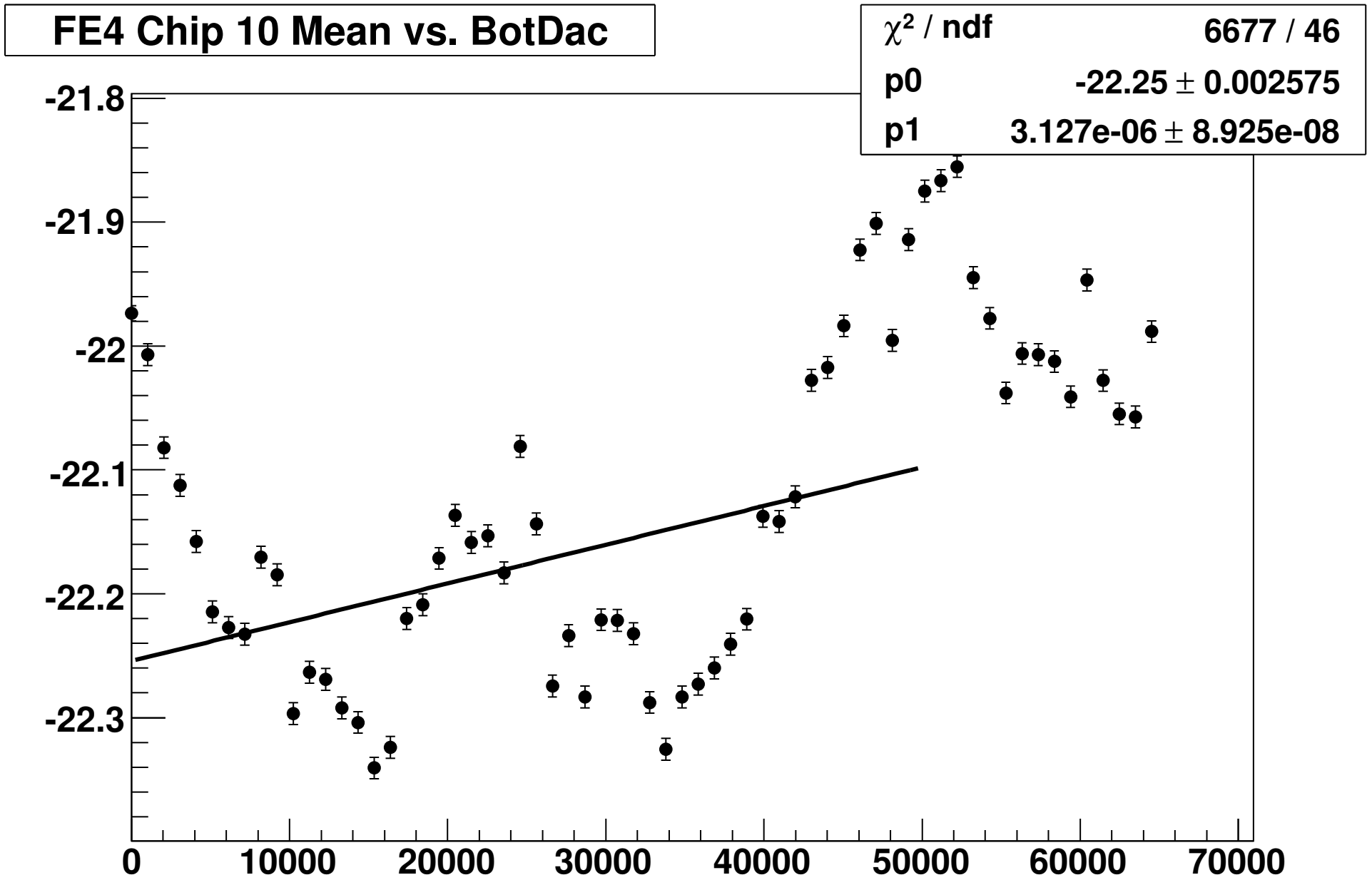
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 6677 / 46
p0 -22.25 ± 0.002575
p1 3.127e-06 ± 8.925e-08
-21.8
-21.9
-22
-22.1
-22.2
-22.3
0
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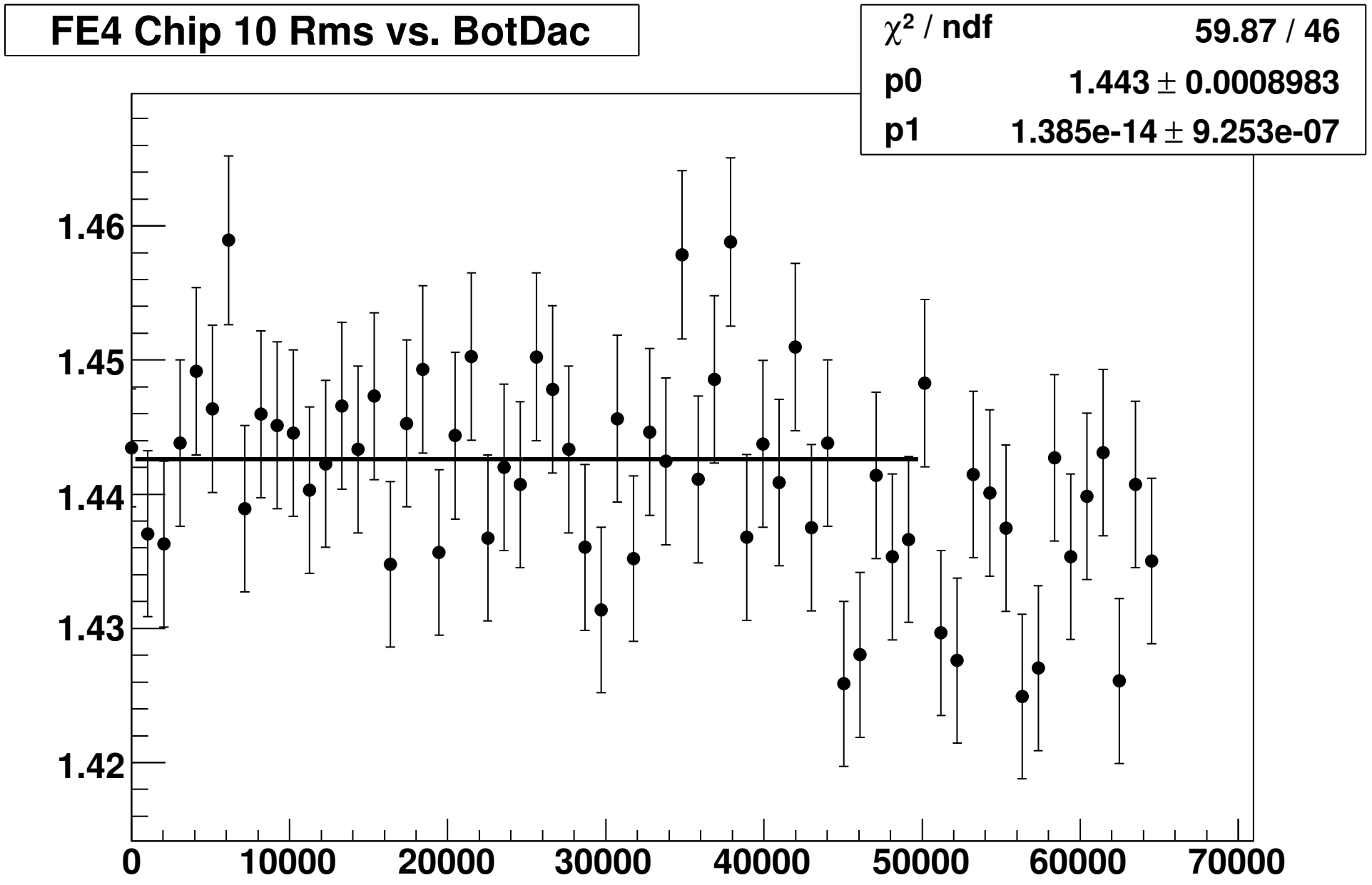
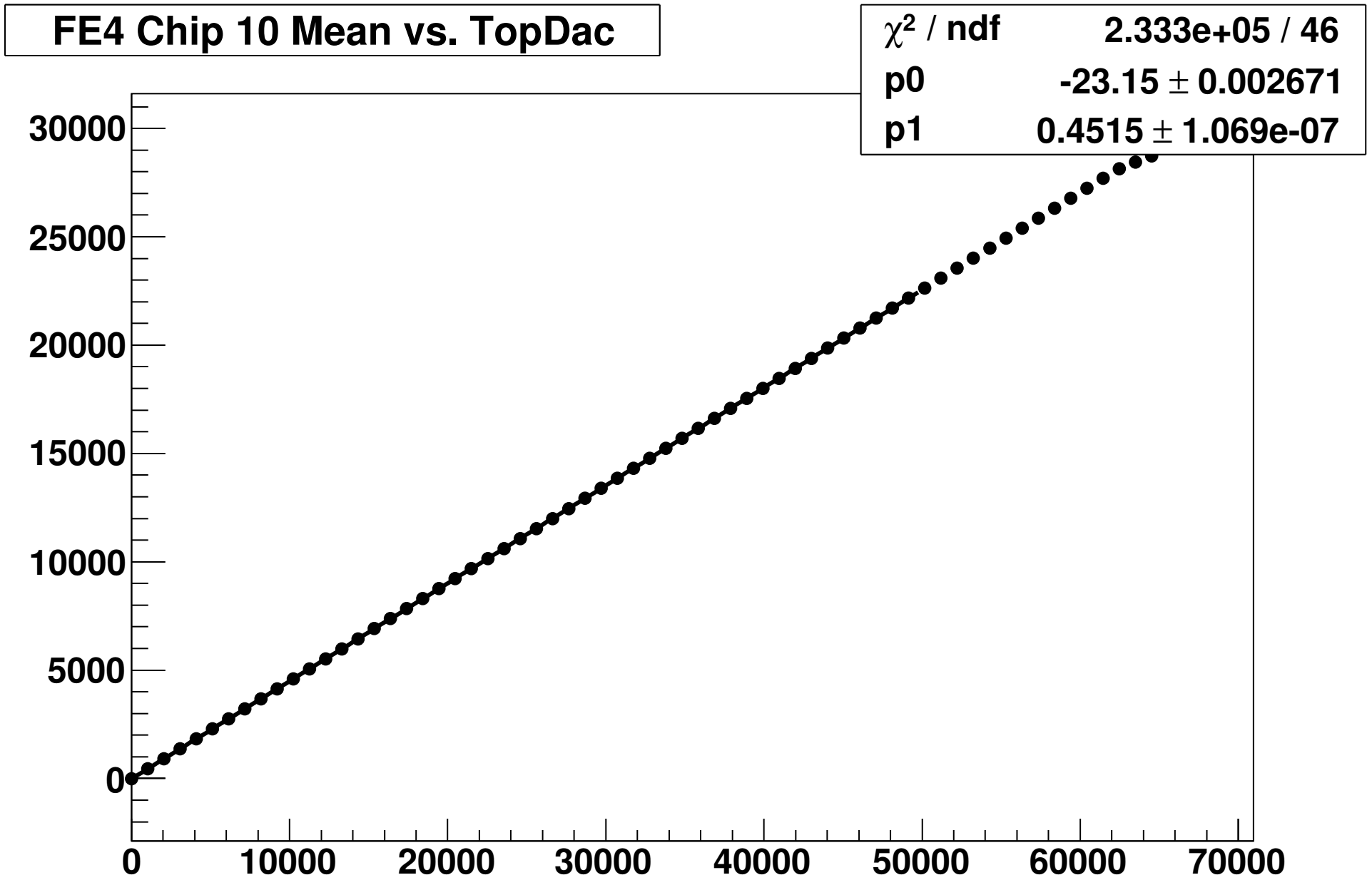

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 59.87 / 46
p0 1.443 ± 0.0008983
p1 1.385e-14 ± 9.253e-07
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 2.333e+05 / 46
p0 -23.15 ± 0.002671
p1 0.4515 ± 1.069e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
50000
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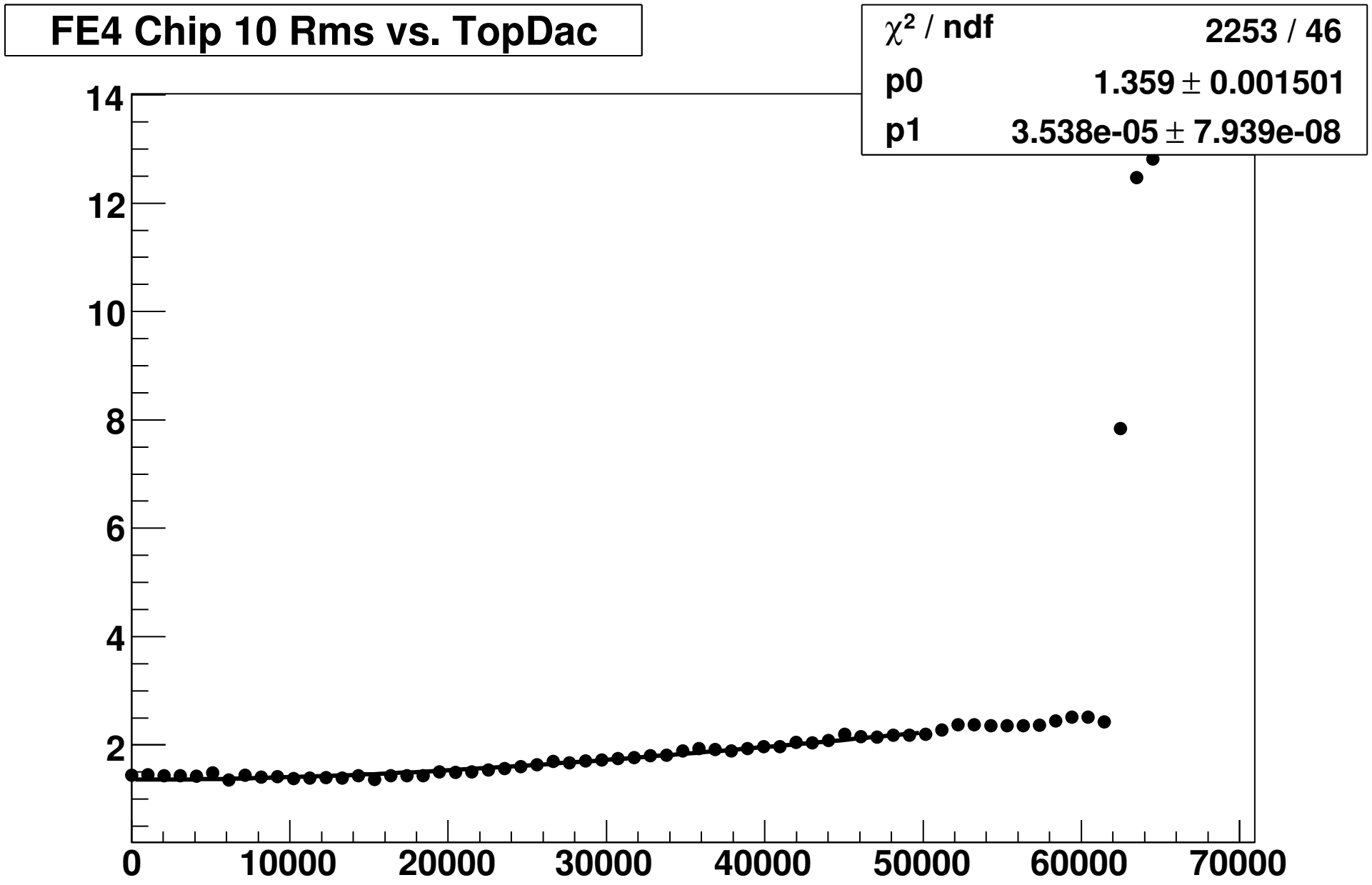
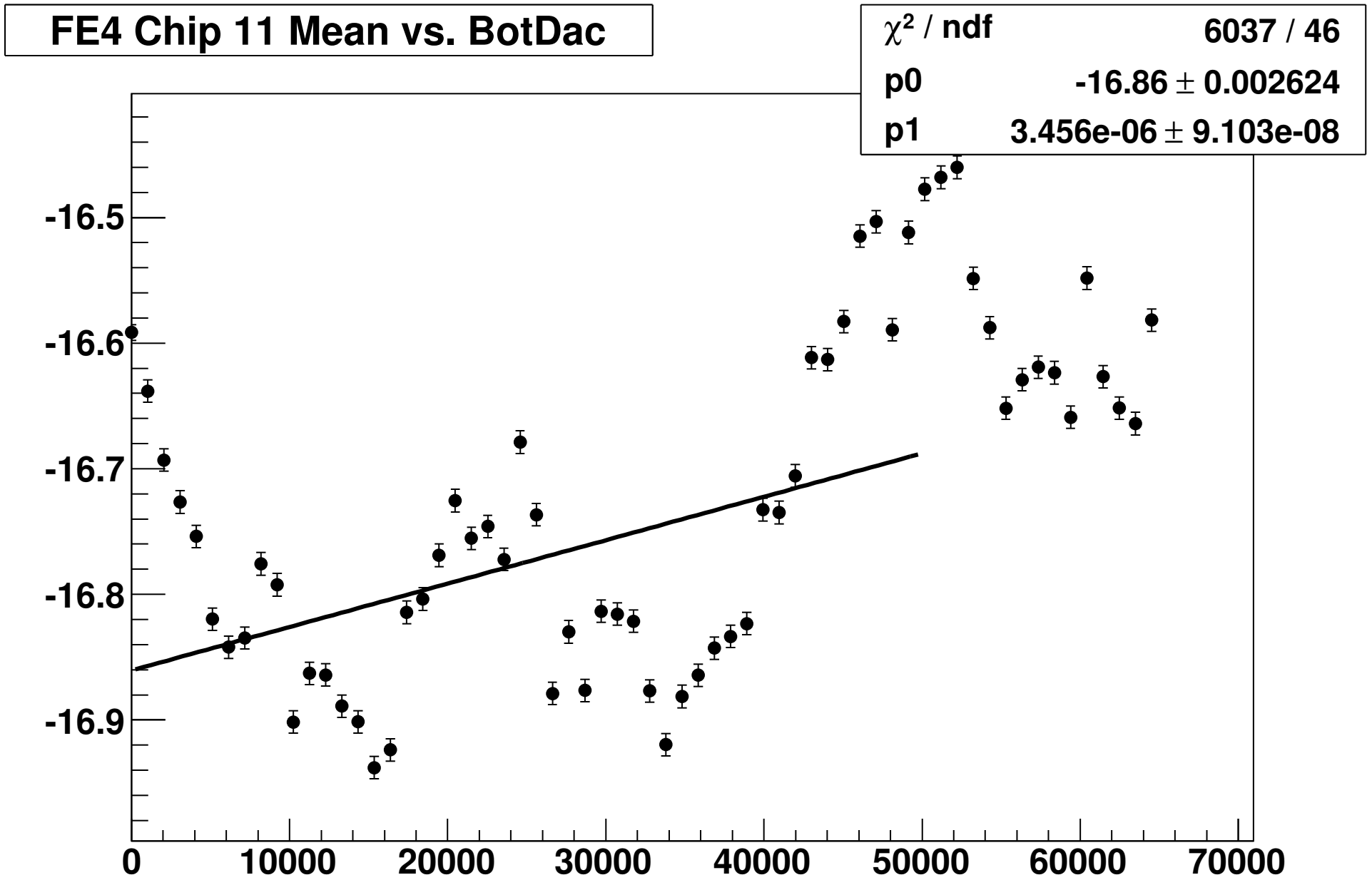
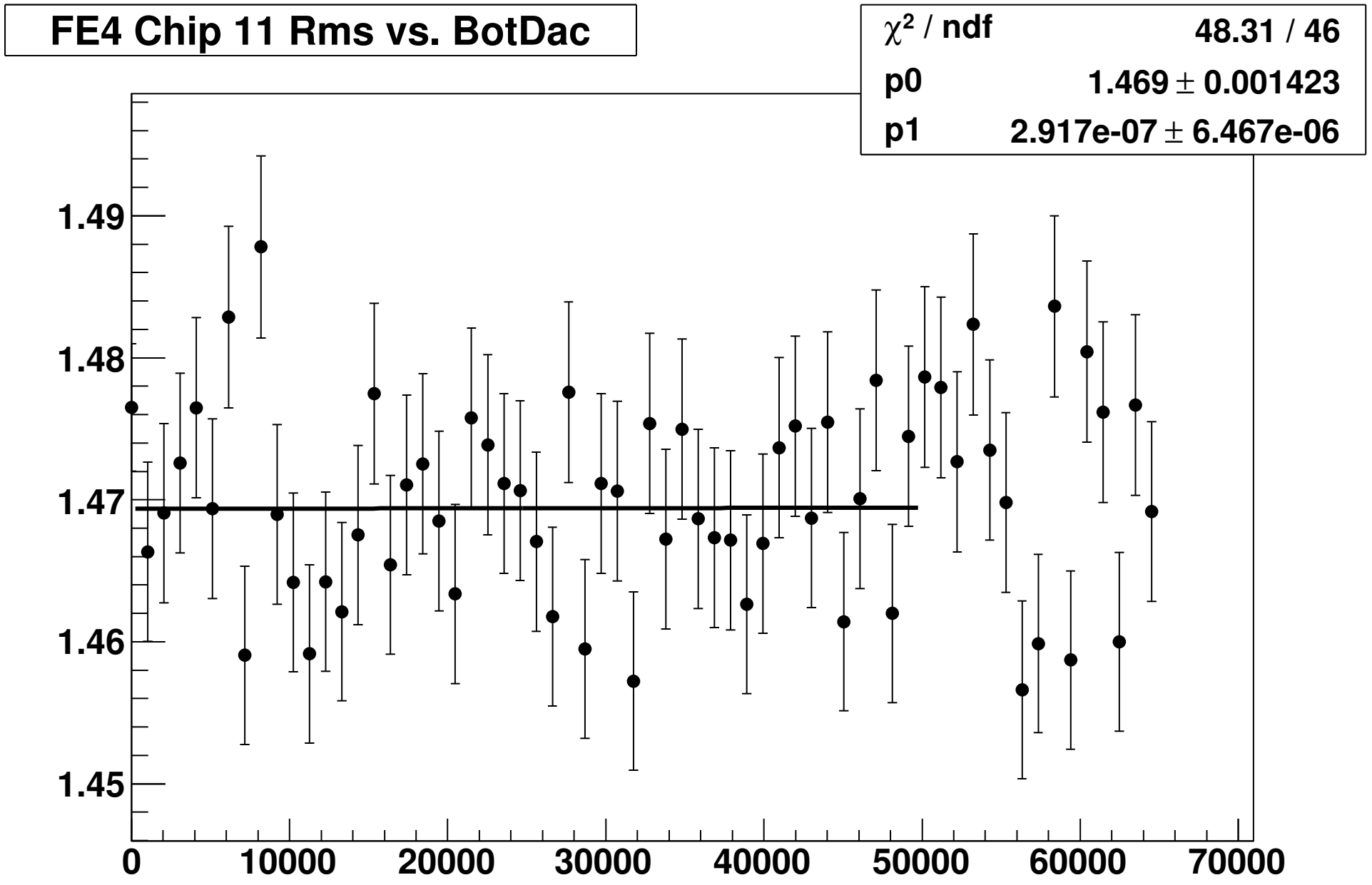

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 2253 / 46
p0 1.359 ± 0.001501
p1 3.538e-05 ± 7.939e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 6037 / 46
p0 -16.86 ± 0.002624
p1 3.456e-06 ± 9.103e-08
-16.5
-16.6
-16.7
-16.8
-16.9
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 48.31 / 46
p0 1.469 ± 0.001423
p1 2.917e-07 ± 6.467e-06
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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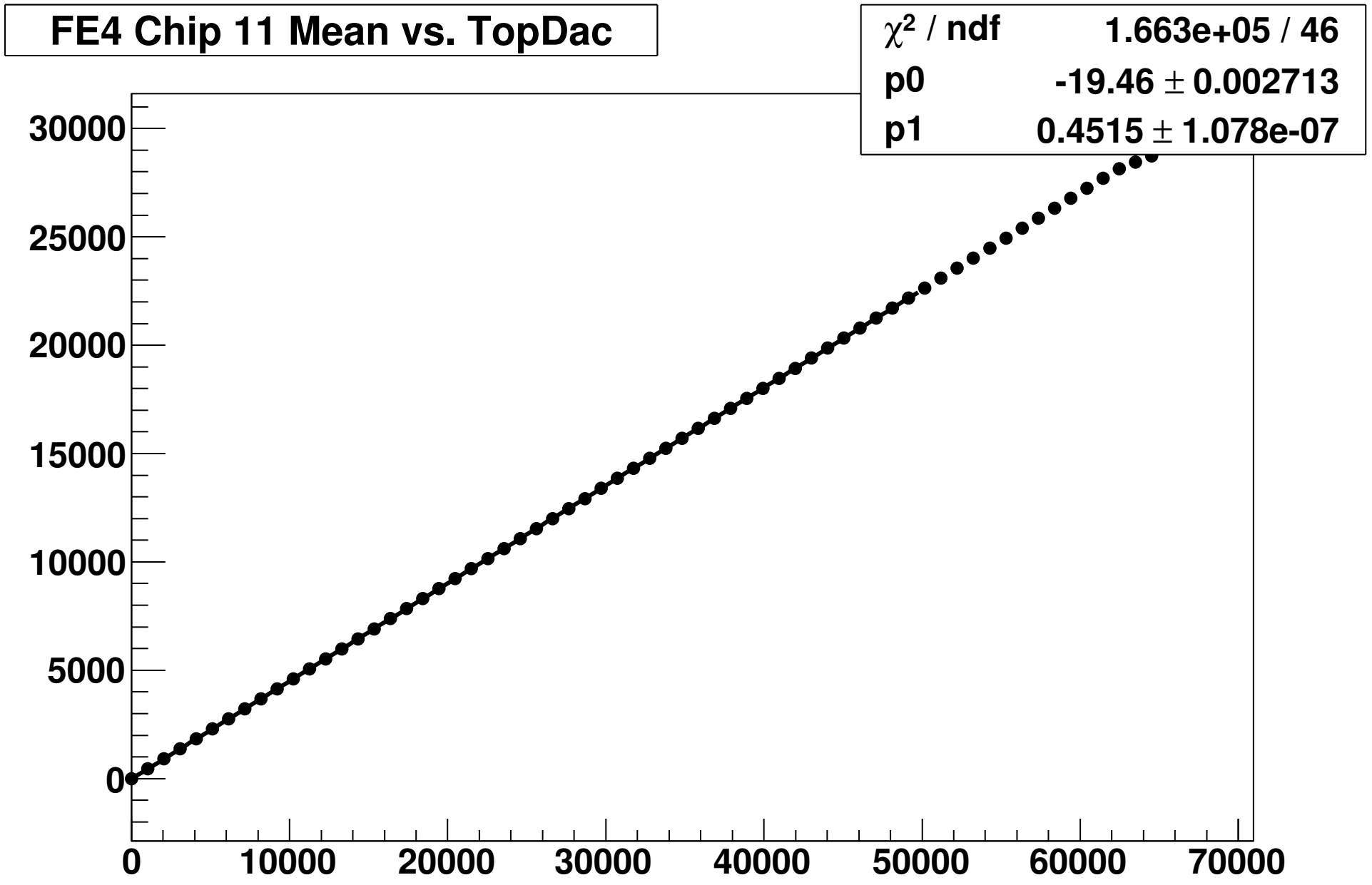
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 1.663e+05 / 46
p0 -19.46 ± 0.002713
p1 0.4515 ± 1.078e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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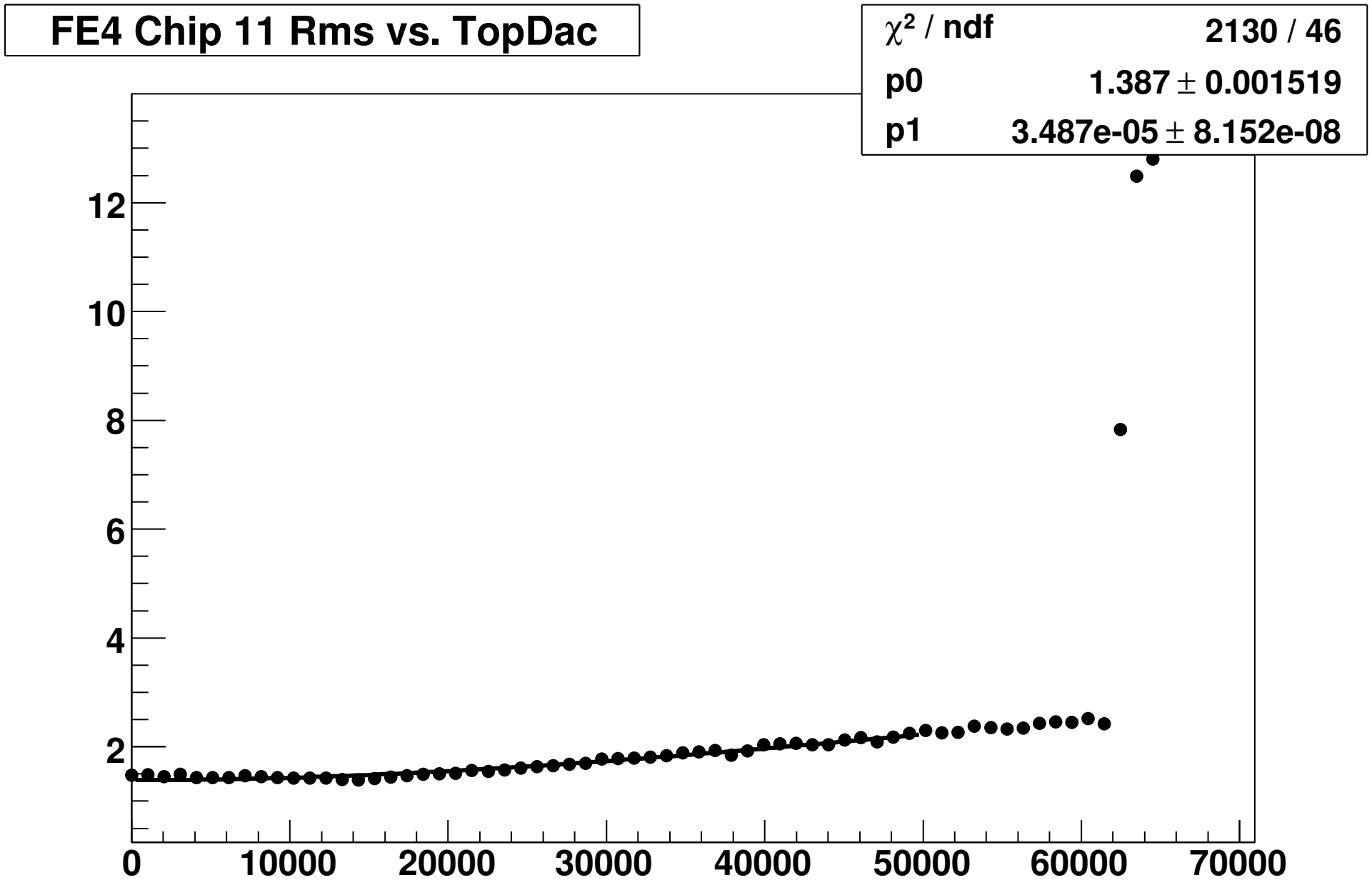
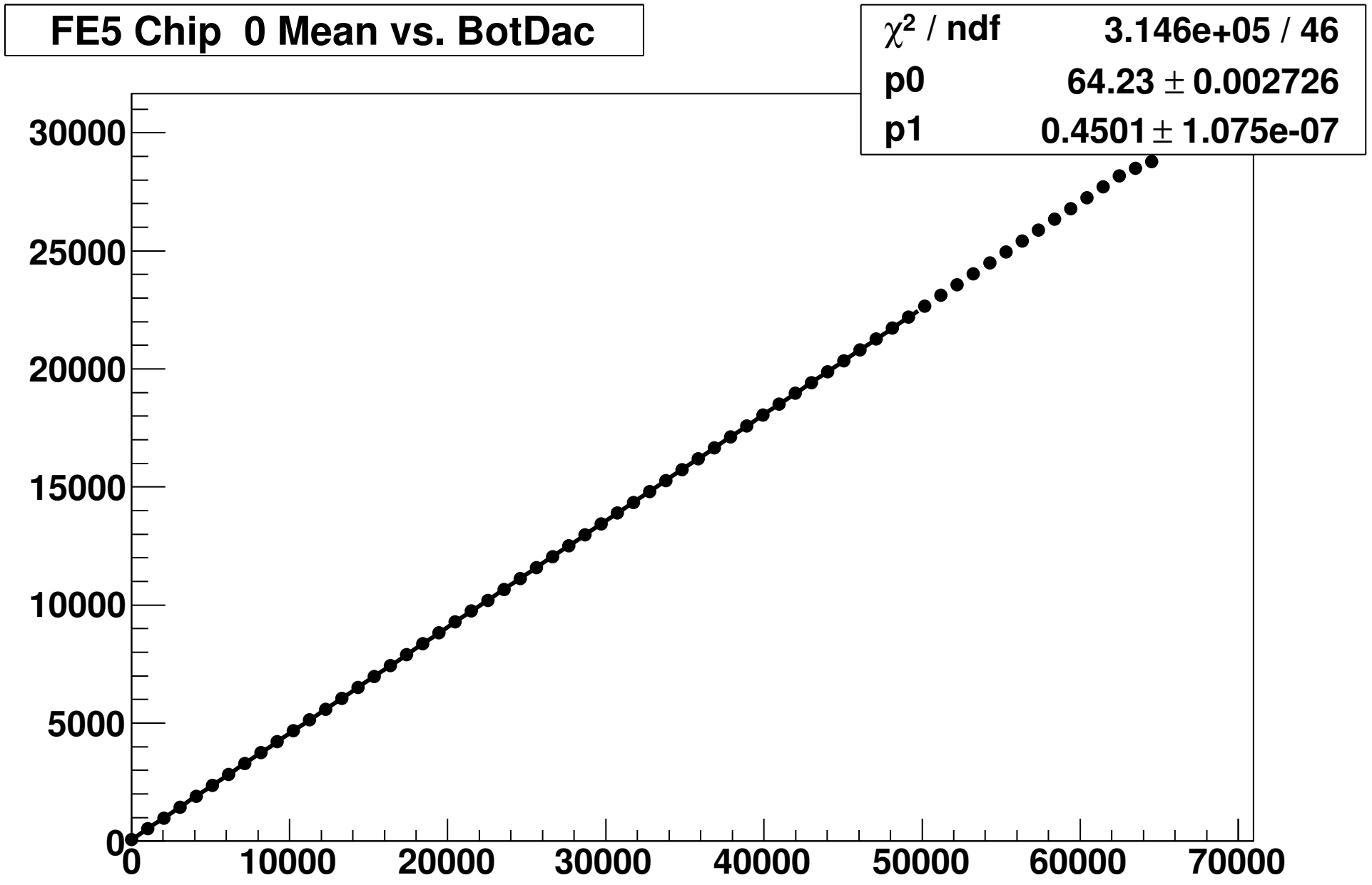

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 2130 / 46
p0 1.387 ± 0.001519
p1 3.487e-05 ± 8.152e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 3.146e+05 / 46
p0 64.23 ± 0.002726
p1 0.4501 ± 1.075e-07
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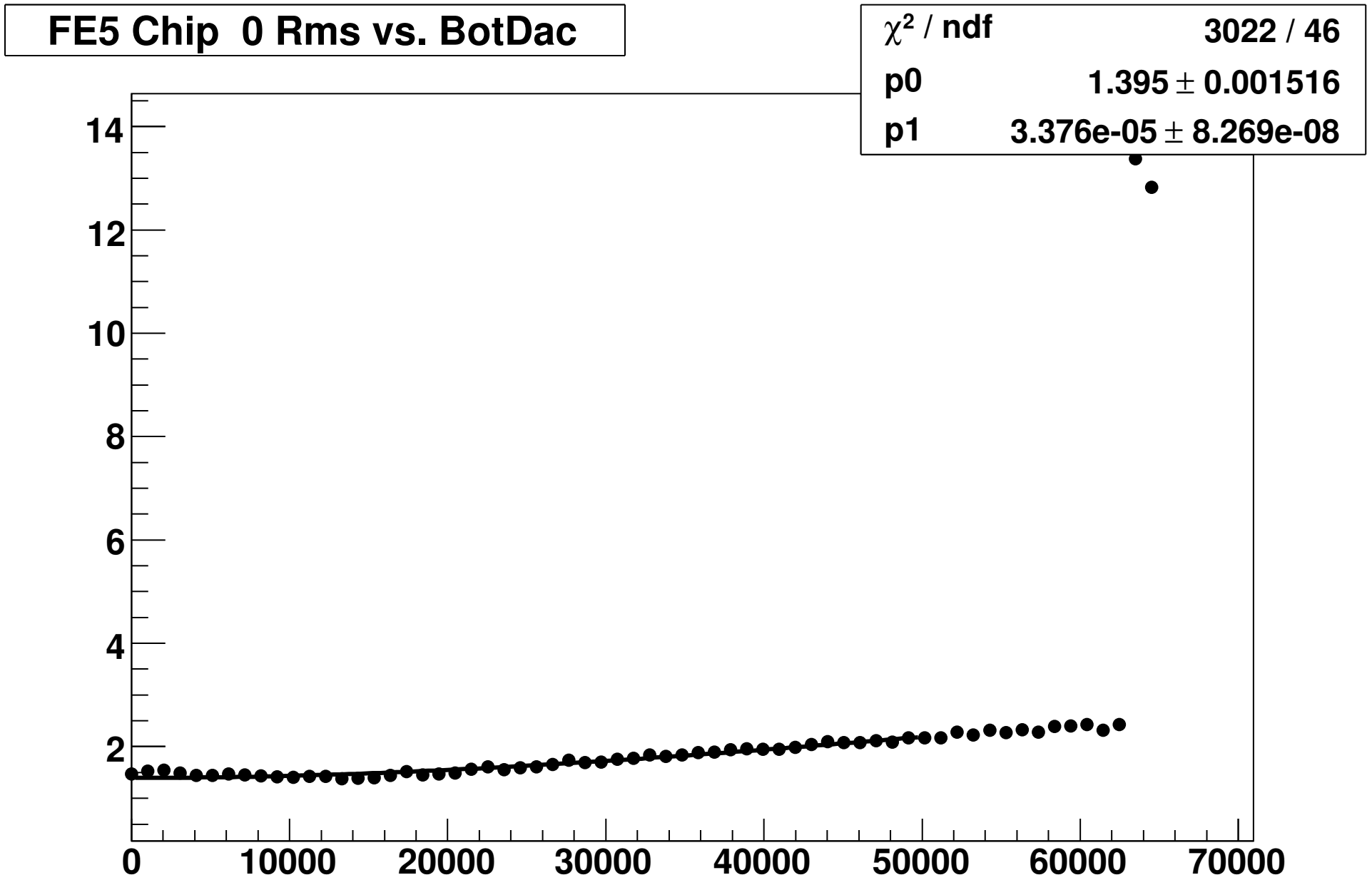
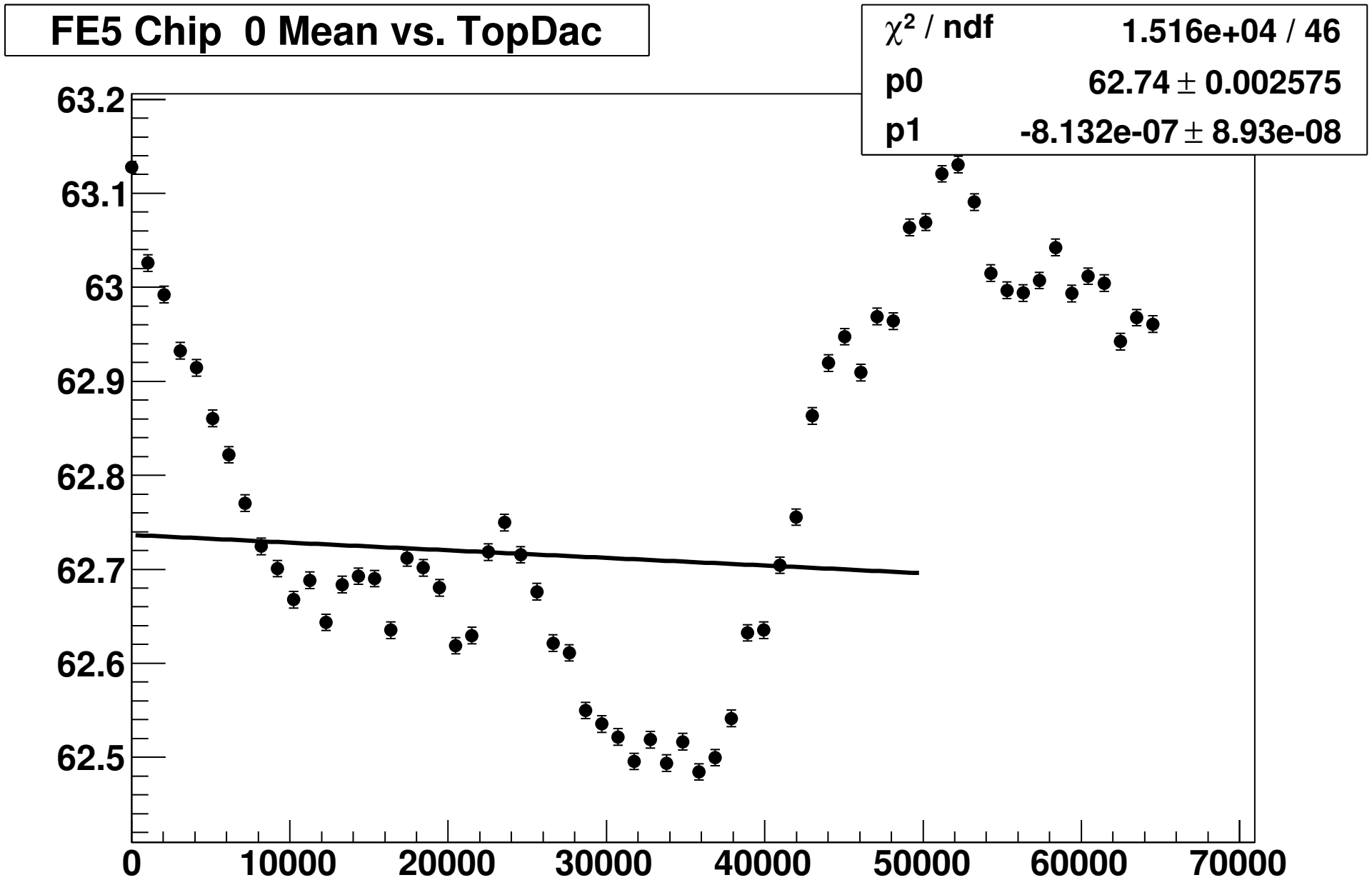
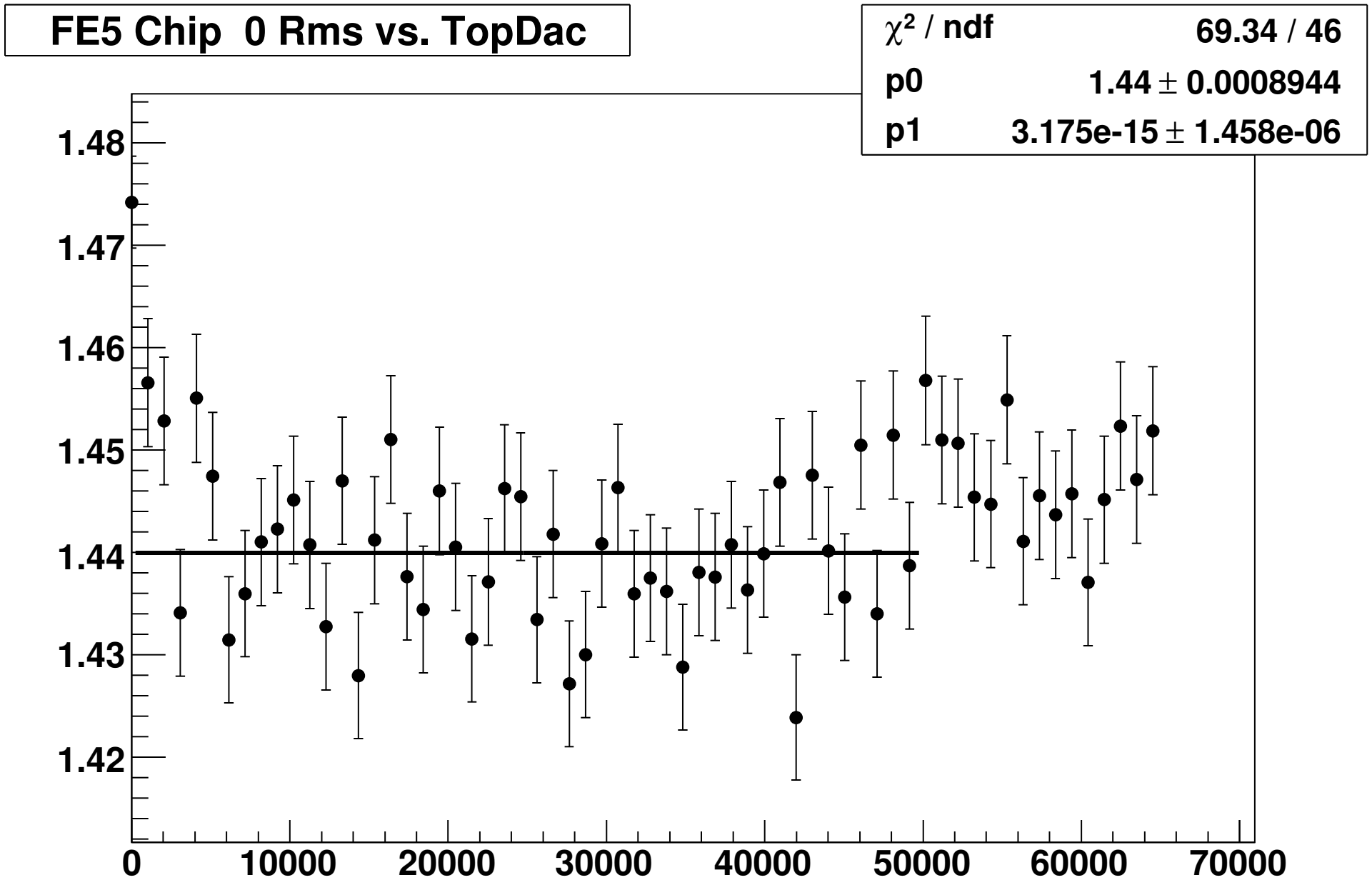
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 3022 / 46
p0 1.395 ± 0.001516
p1 3.376e-05 ± 8.269e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 1.516e+04 / 46
p0 62.74 ± 0.002575
p1 -8.132e-07 ± 8.93e-08
63.2
63.1
63
62.9
62.8
62.7
62.6
62.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 69.34 / 46
p0 1.44 ± 0.0008944
p1 3.175e-15 ± 1.458e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
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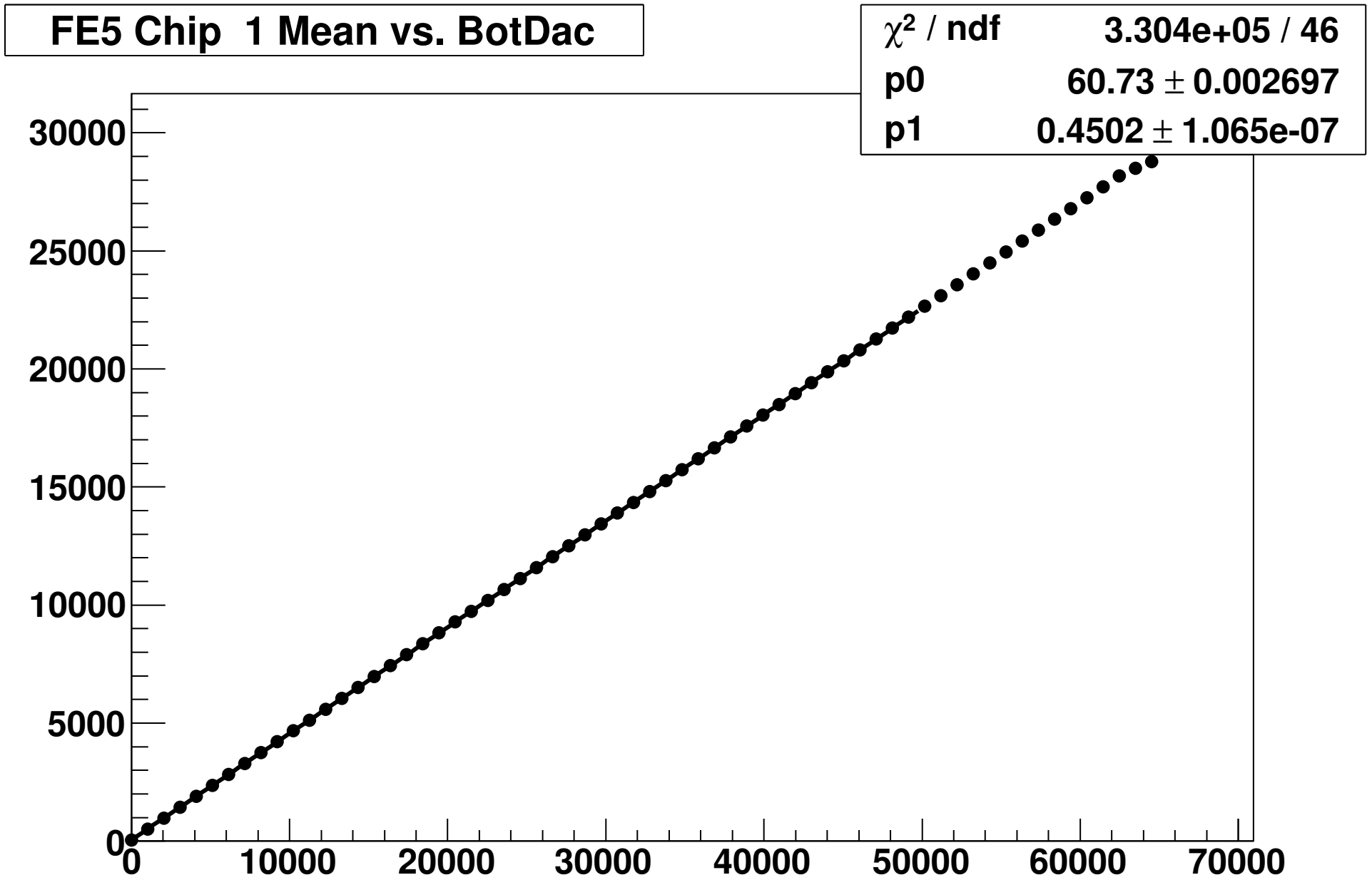
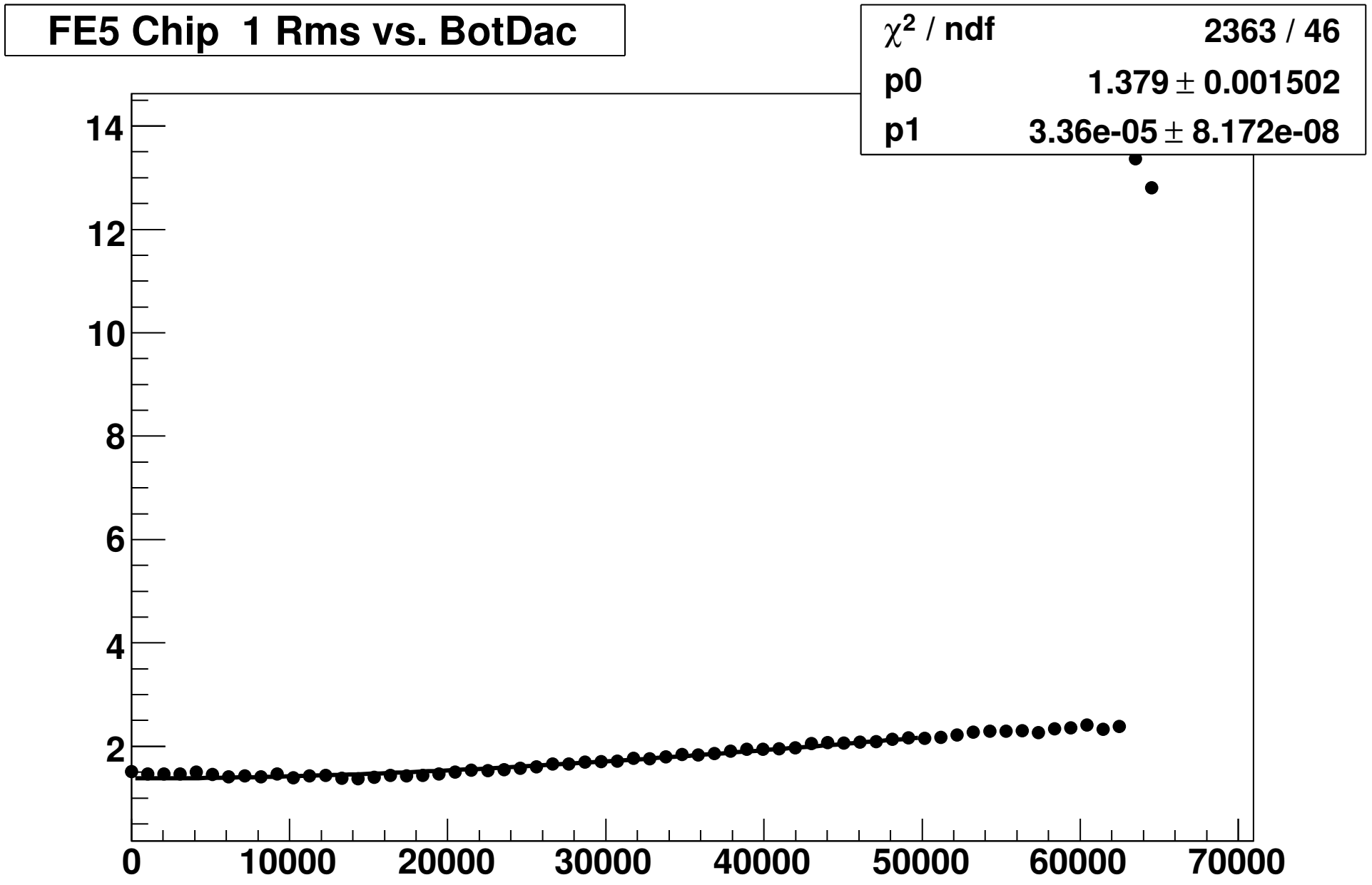
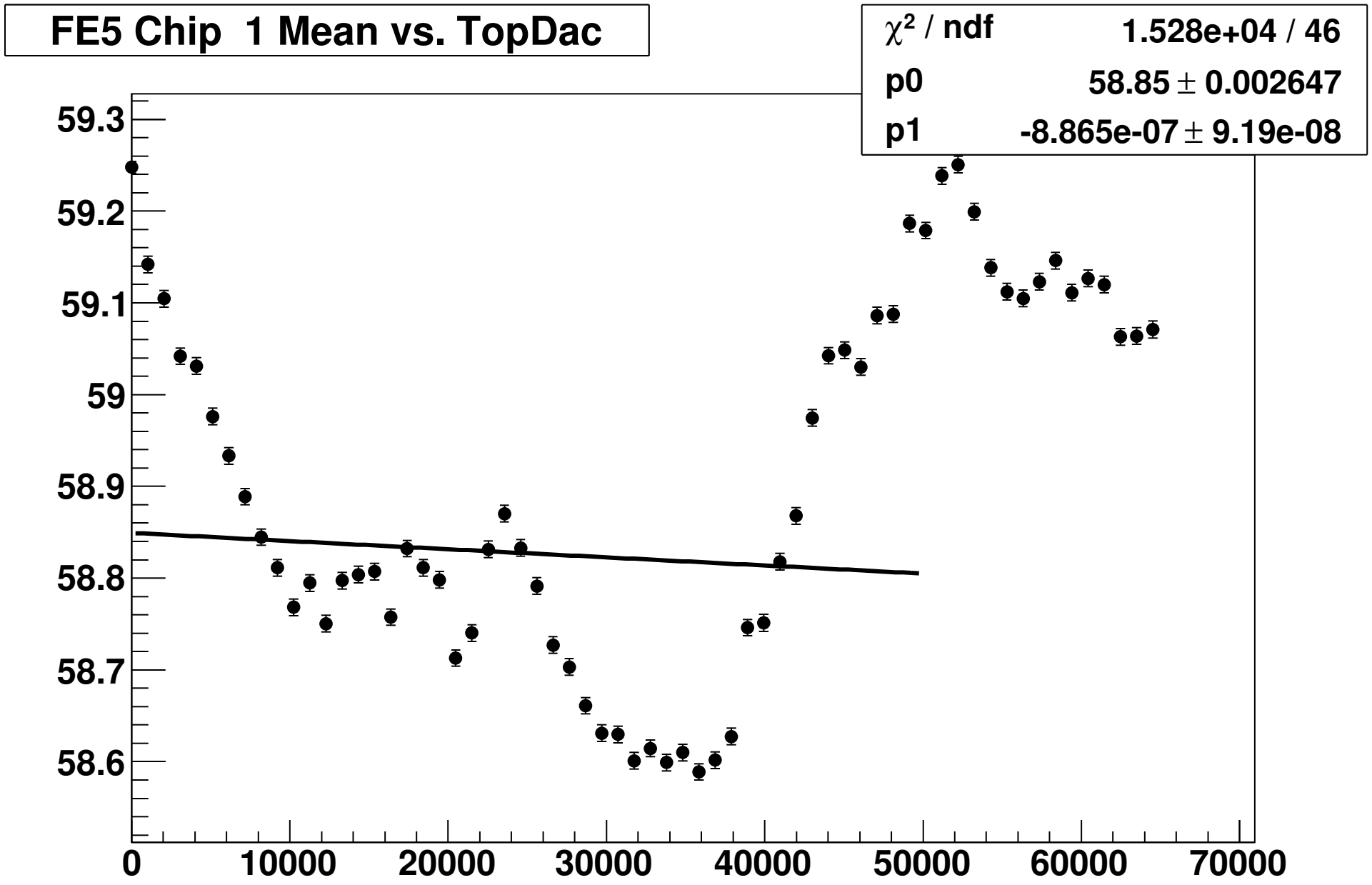
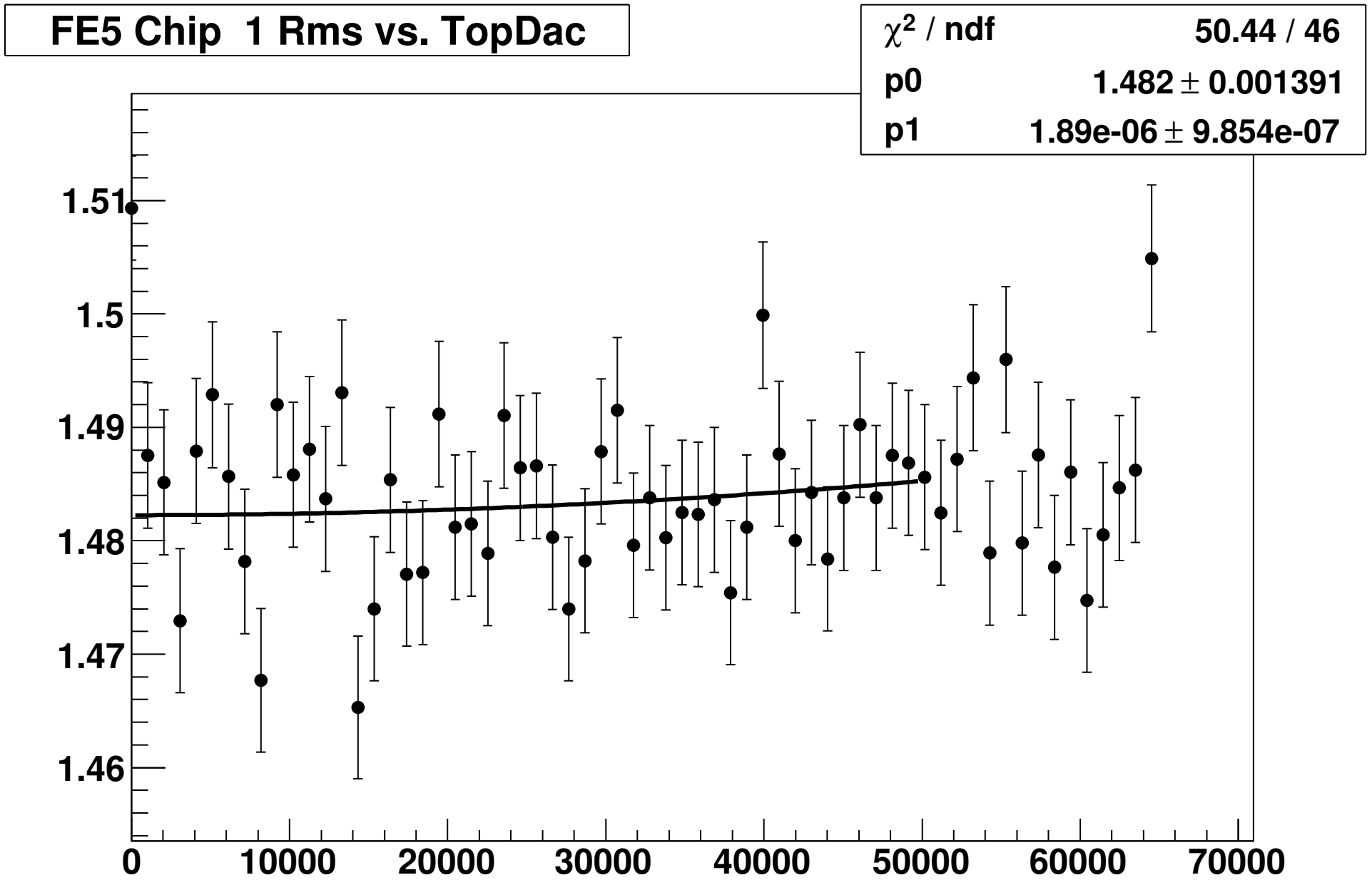

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 3.304e+05 / 46
p0 60.73 ± 0.002697
p1 0.4502 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 2363 / 46
p0 1.379 ± 0.001502
p1 3.36e-05 ± 8.172e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 1.528e+04 / 46
p0 58.85 ± 0.002647
p1 -8.865e-07 ± 9.19e-08
59.3
59.2
59.1
59
58.9
58.8
58.7
58.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 50.44 / 46
p0 1.482 ± 0.001391
p1 1.89e-06 ± 9.854e-07
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
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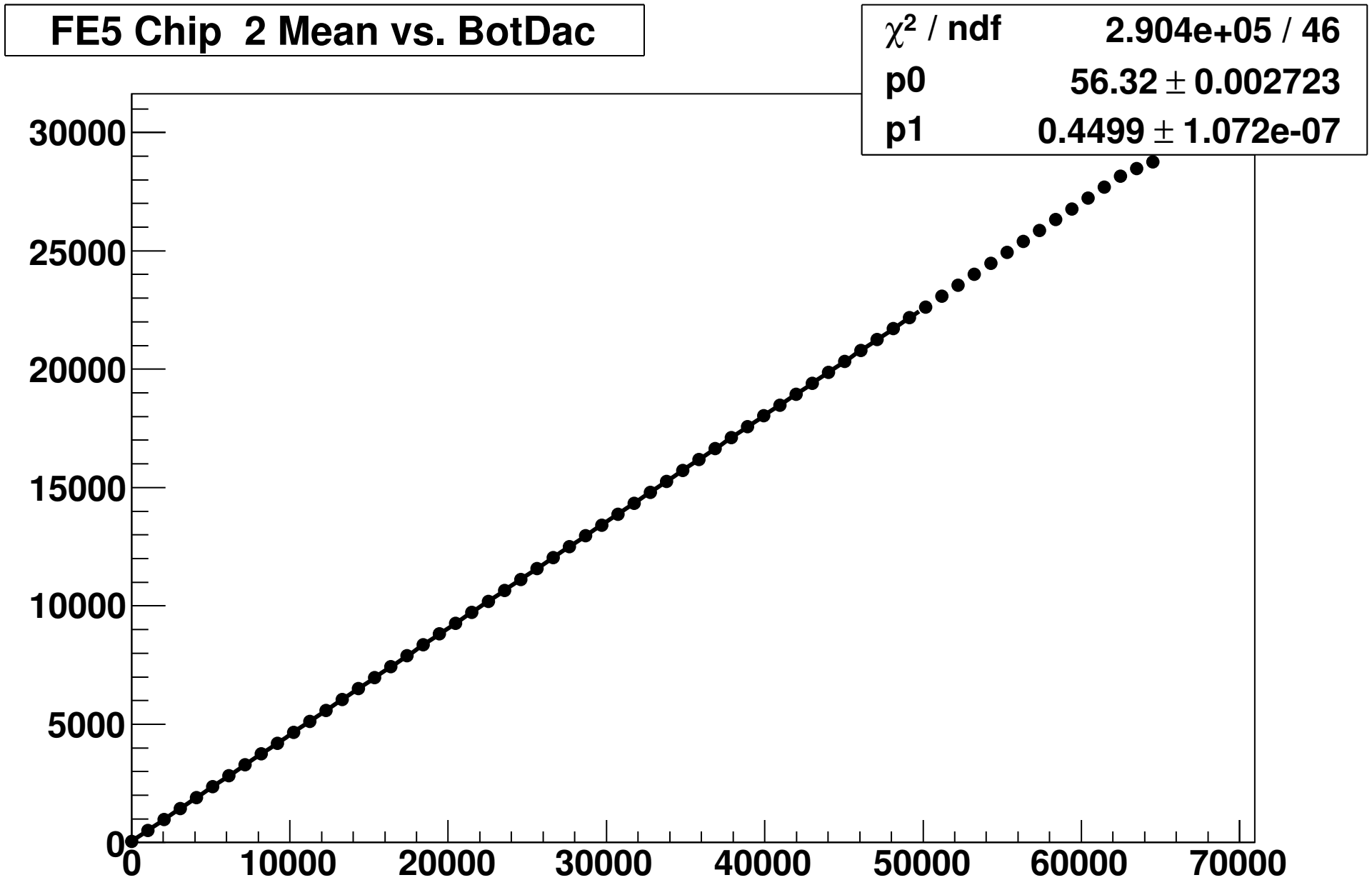
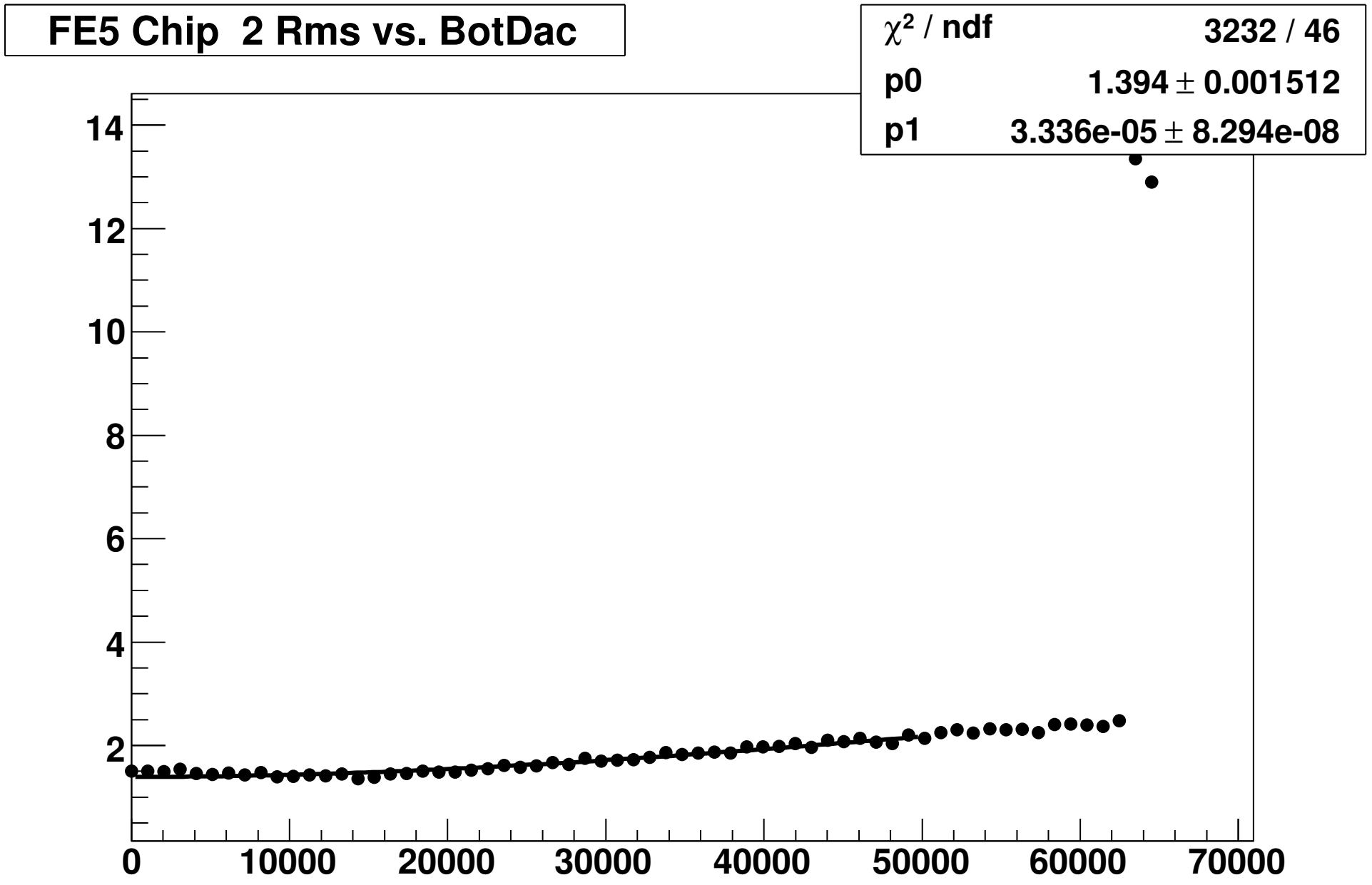
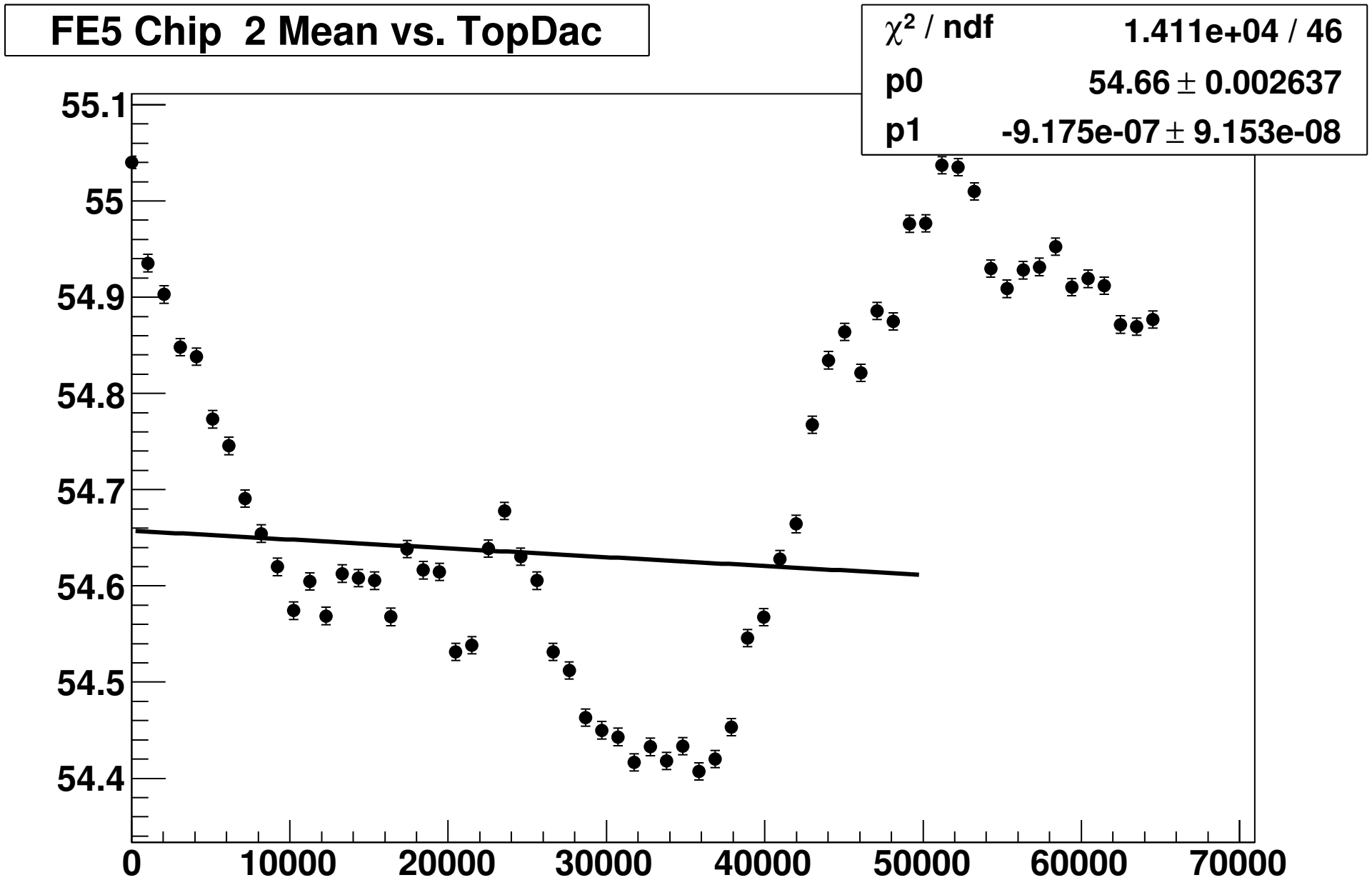
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 2.904e+05 / 46
p0 56.32 ± 0.002723
p1 0.4499 ± 1.072e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 3232 / 46
p0 1.394 ± 0.001512
p1 3.336e-05 ± 8.294e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 1.411e+04 / 46
p0 54.66 ± 0.002637
p1 -9.175e-07 ± 9.153e-08
55.1
55
54.9
54.8
54.7
54.6
54.5
54.4
0
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30000
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50000
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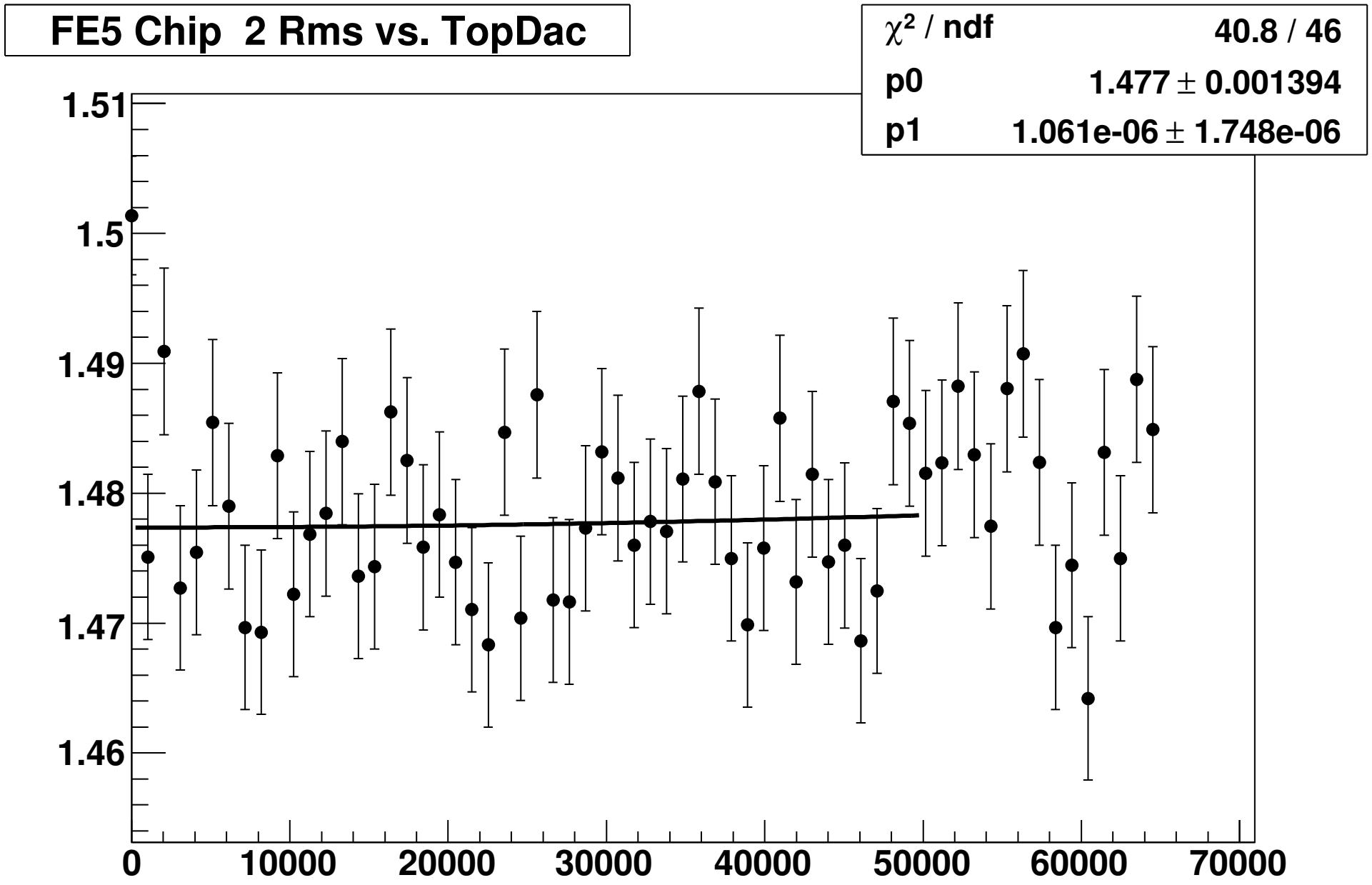
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 40.8 / 46
p0 1.477 ± 0.001394
p1 1.061e-06 ± 1.748e-06
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
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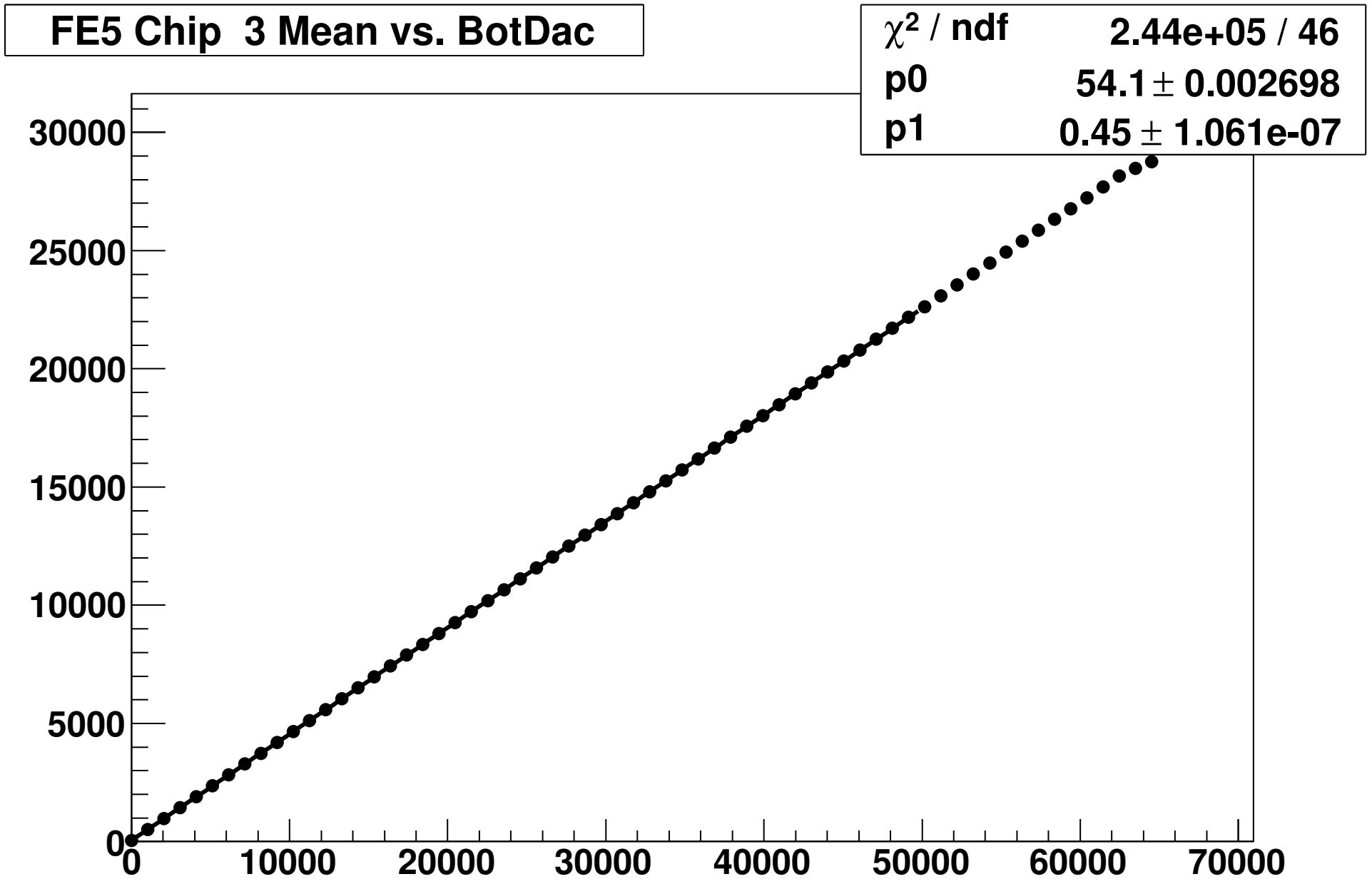
50000
60000
70000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 2.44e+05 / 46
p0 54.1 ± 0.002698
p1 0.45 ± 1.061e-07
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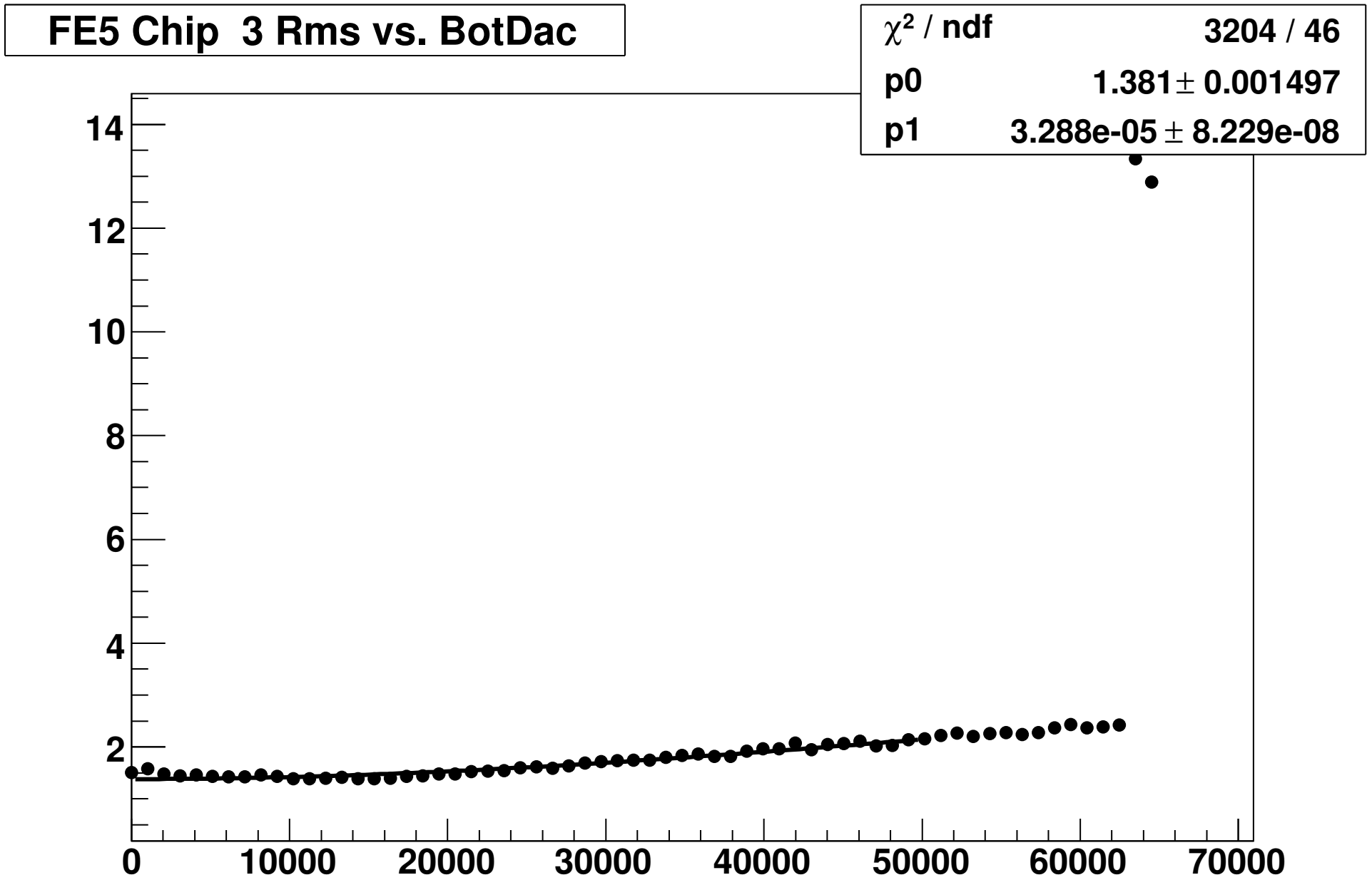
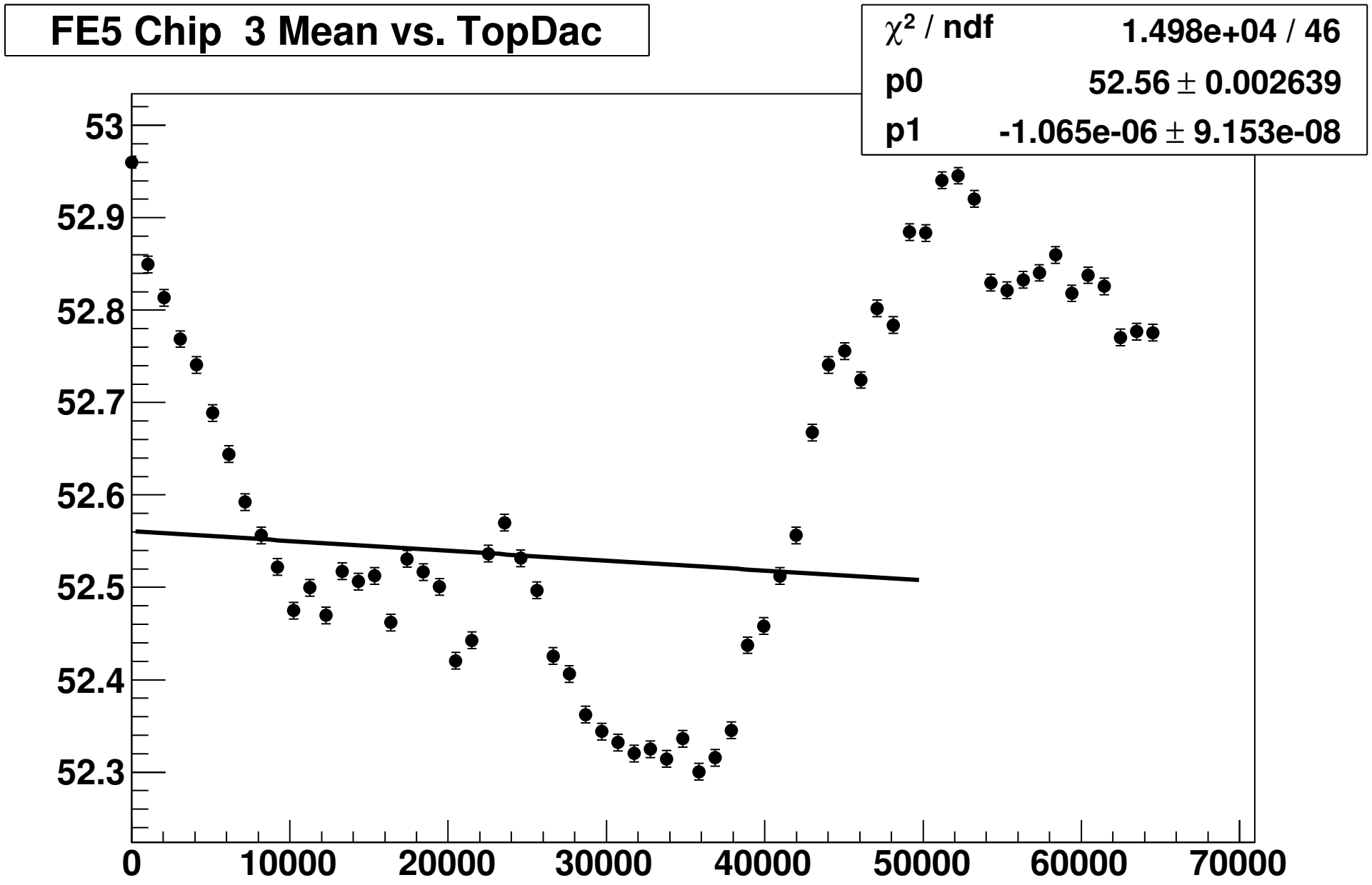
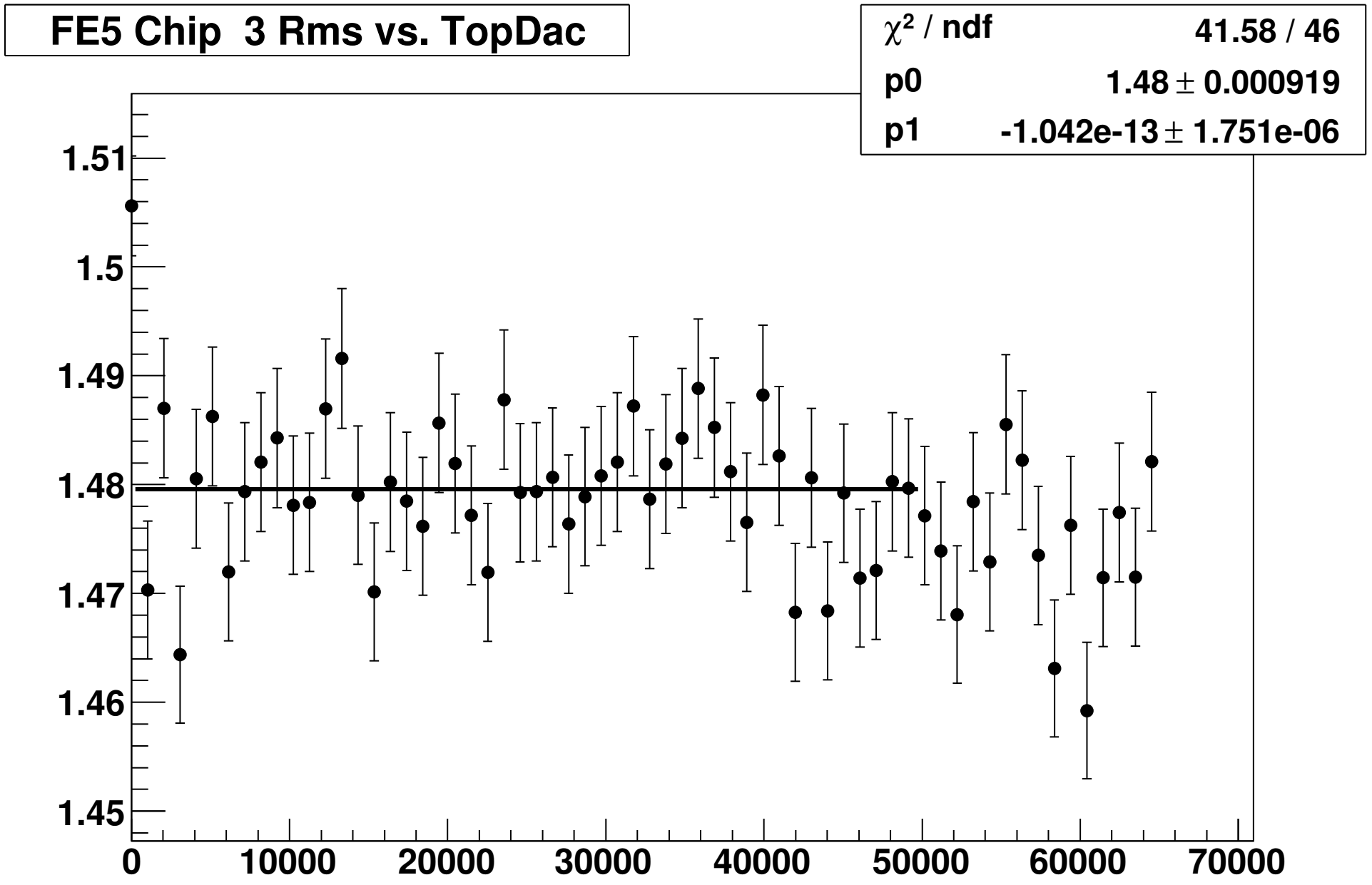
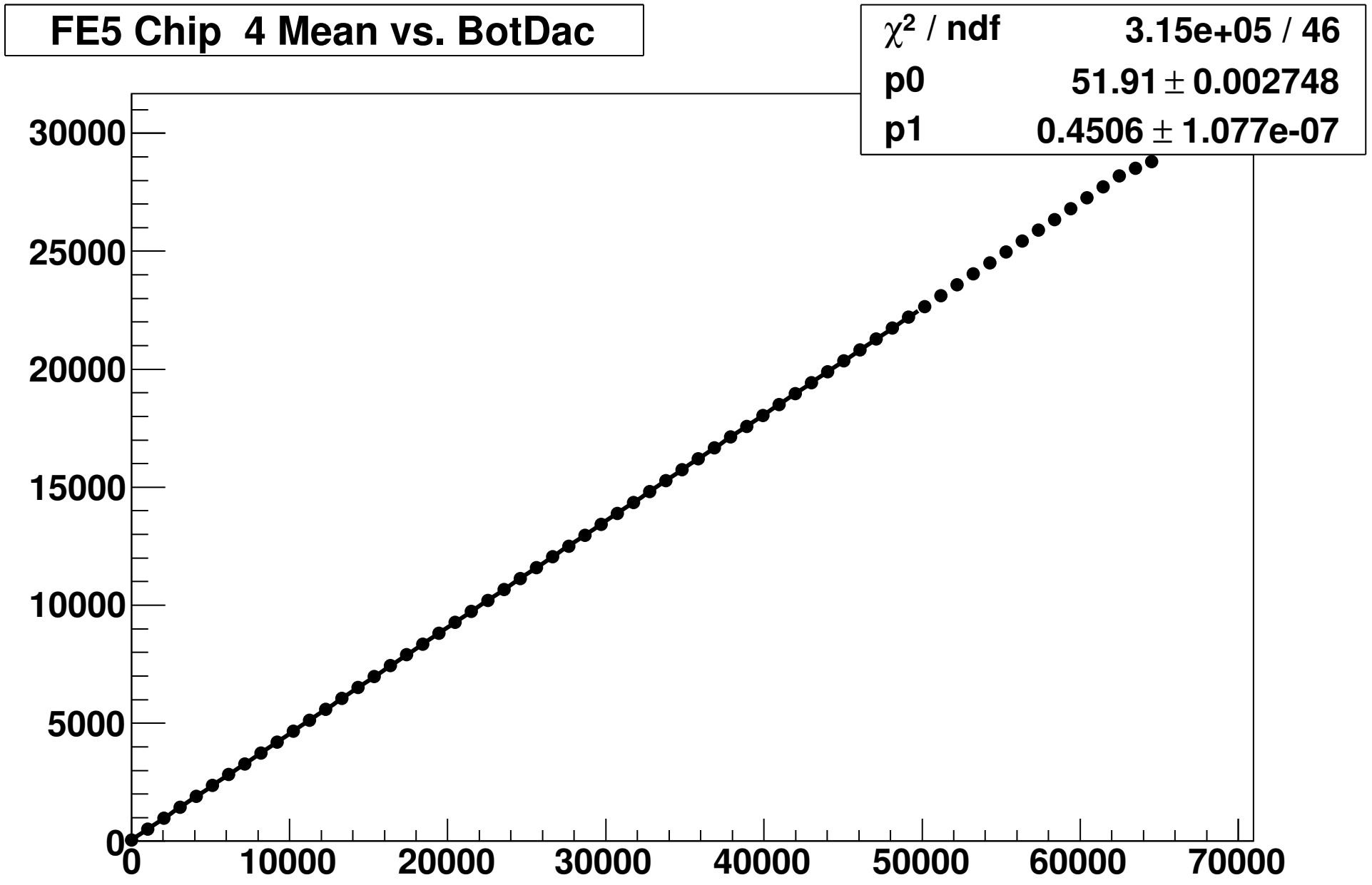
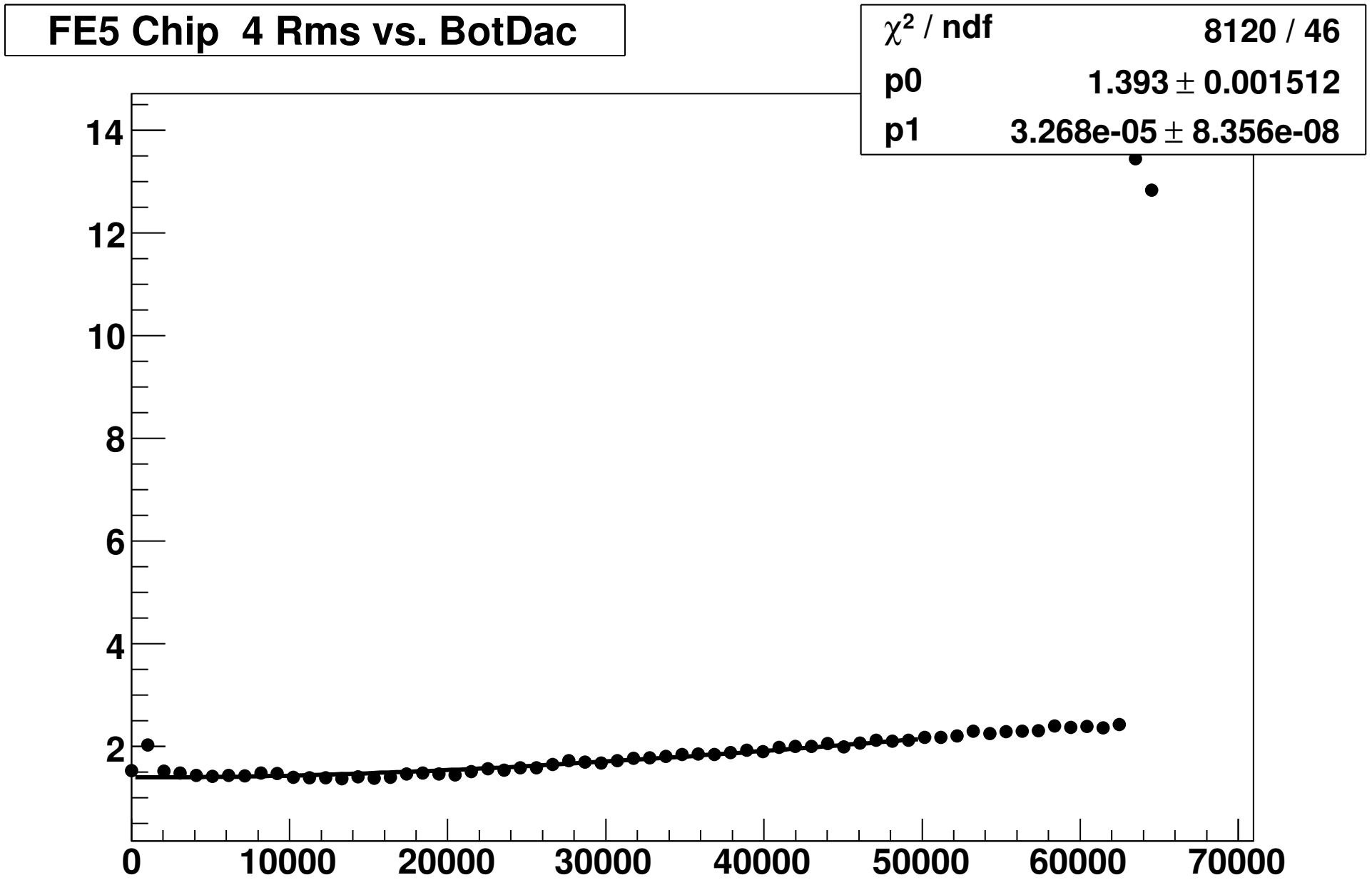
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

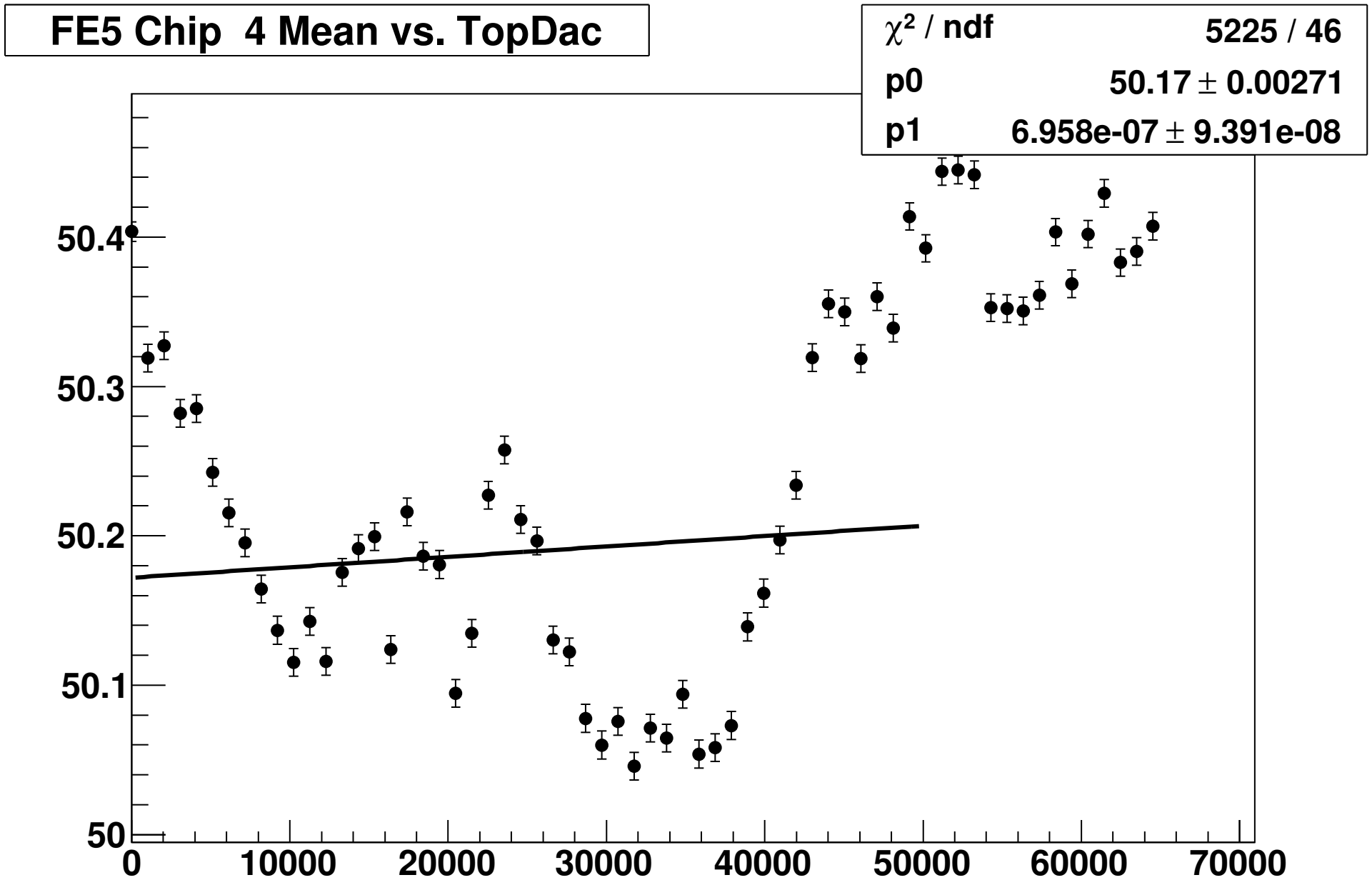

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 3204 / 46
p0 1.381 ± 0.001497
p1 3.288e-05 ± 8.229e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

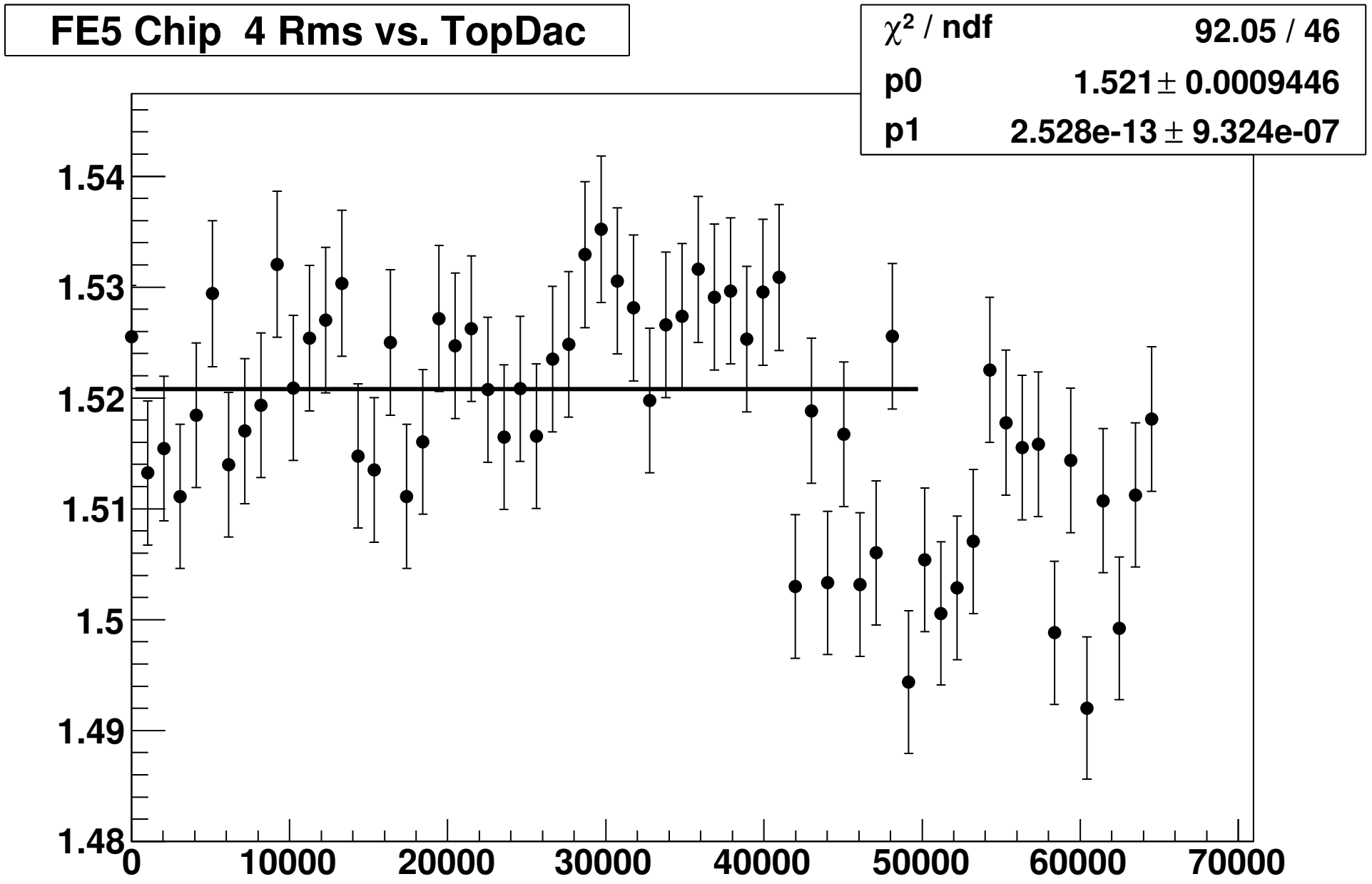

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 1.498e+04 / 46
p0 52.56 ± 0.002639
p1 -1.065e-06 ± 9.153e-08
53
52.9
52.8
52.7
52.6
52.5
52.4
52.3
0
10000
20000
30000
40000
50000
60000
70000

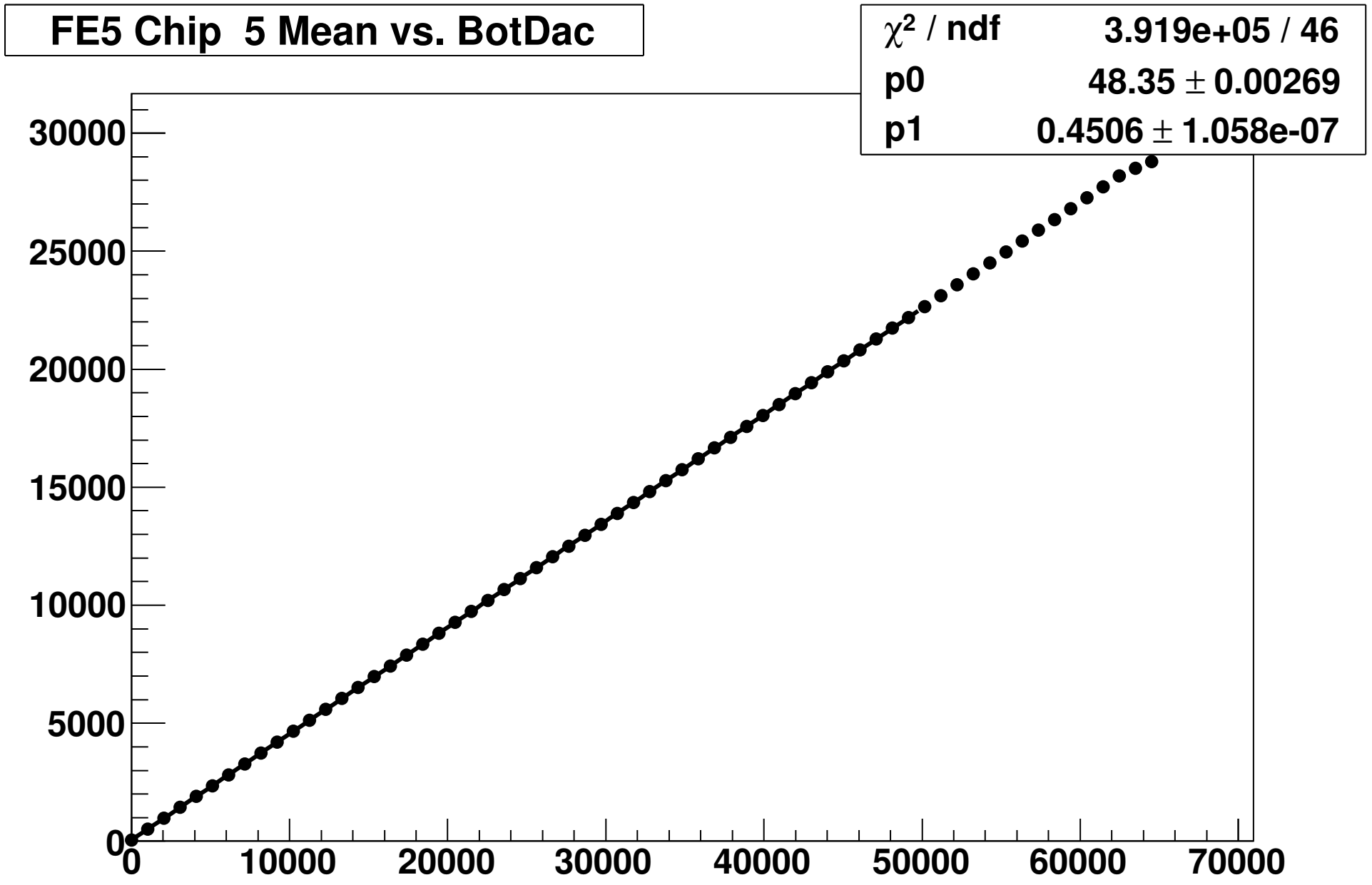

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 41.58 / 46
p0 1.48 ± 0.000919
p1 -1.042e-13 ± 1.751e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

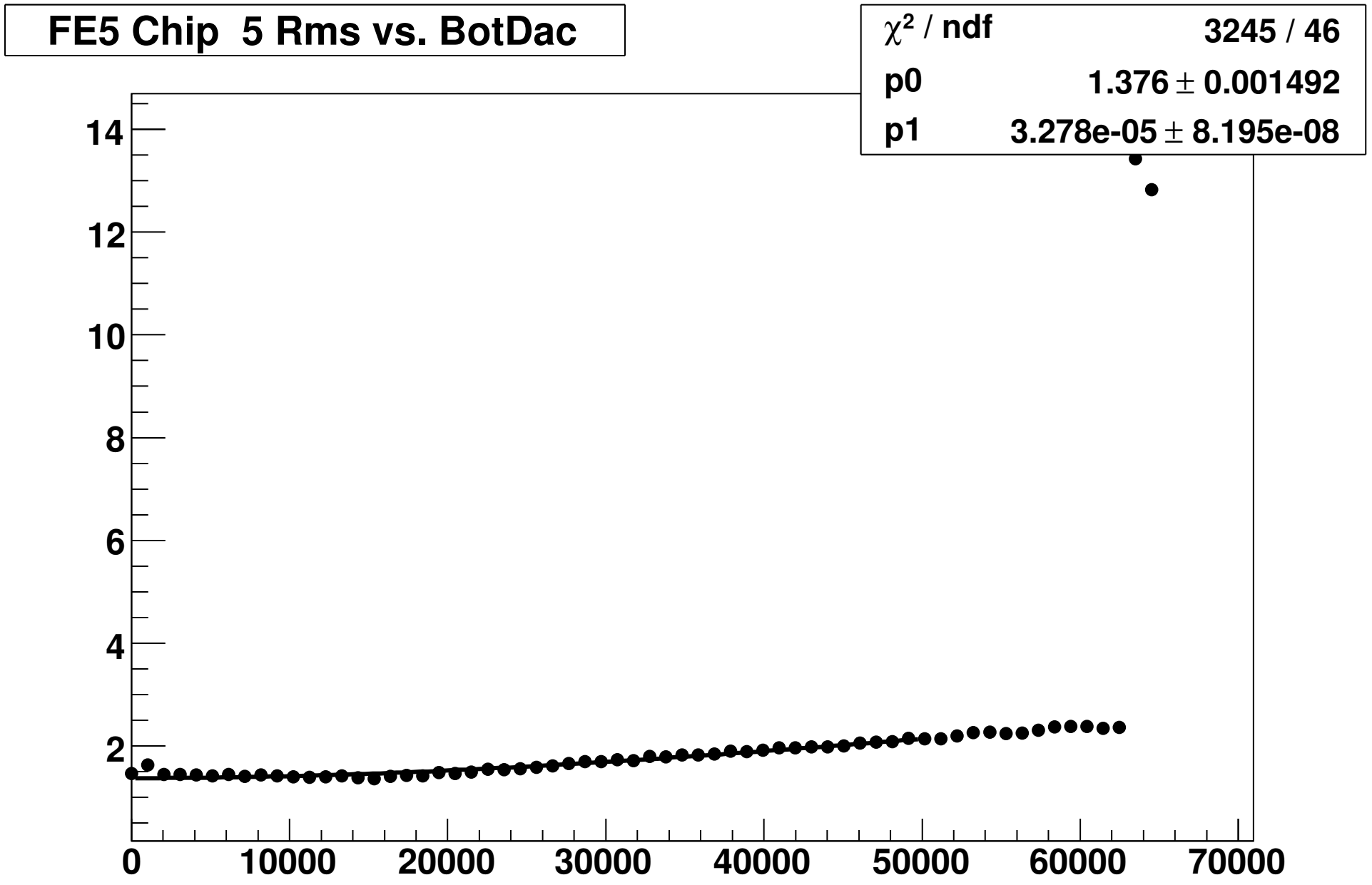

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 3.15e+05 / 46
p0 51.91 ± 0.002748
p1 0.4506 ± 1.077e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 8120 / 46
p0 1.393 ± 0.001512
p1 3.268e-05 ± 8.356e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 5225 / 46
p0 50.17 ± 0.00271
p1 6.958e-07 ± 9.391e-08
50.4
50.3
50.2
50.1
50
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 92.05 / 46
p0 1.521 ± 0.0009446
p1 2.528e-13 ± 9.324e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 3.919e+05 / 46
p0 48.35 ± 0.00269
p1 0.4506 ± 1.058e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 3245 / 46
p0 1.376 ± 0.001492
p1 3.278e-05 ± 8.195e-08
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12
10
8
6
4
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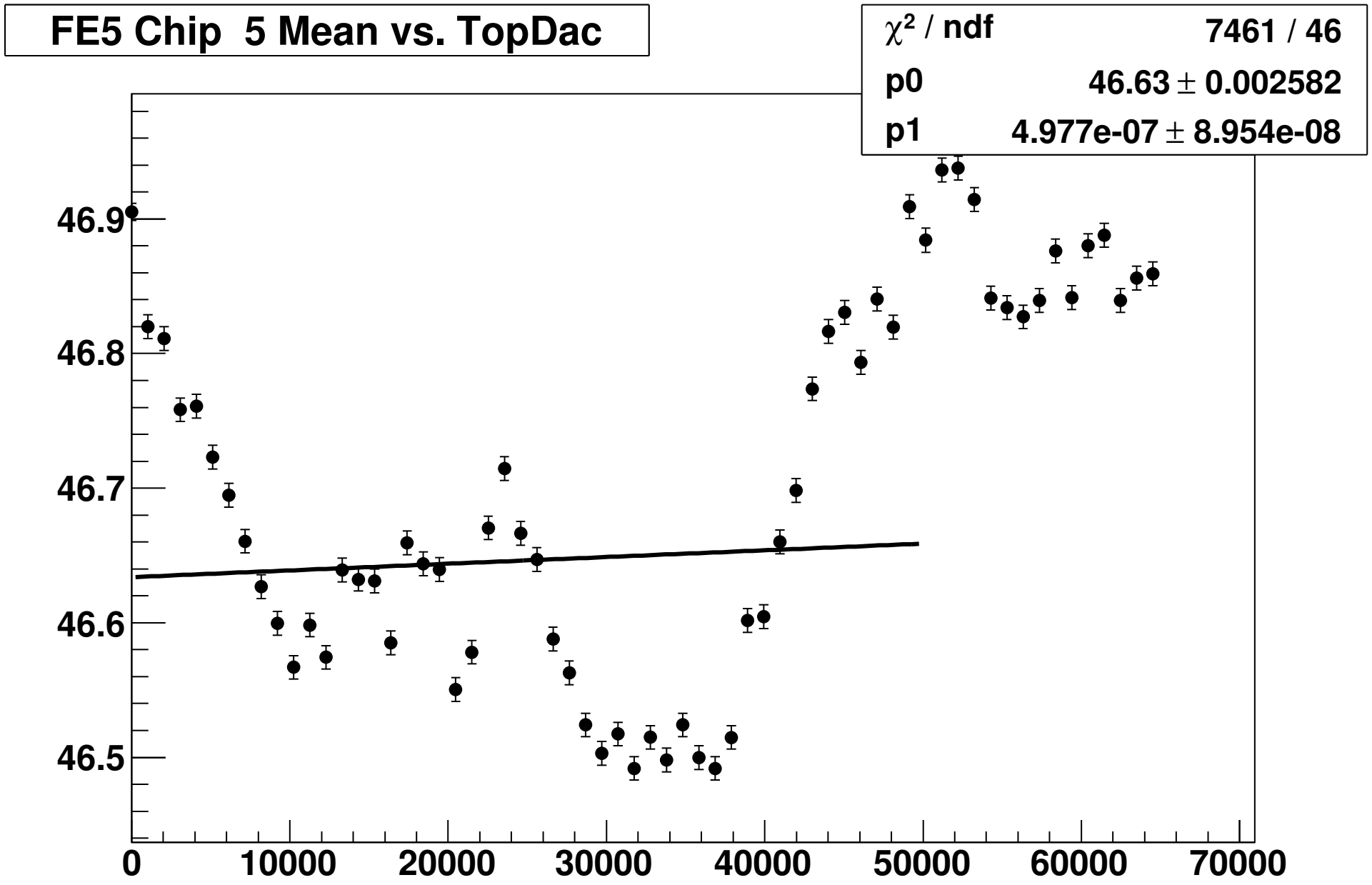
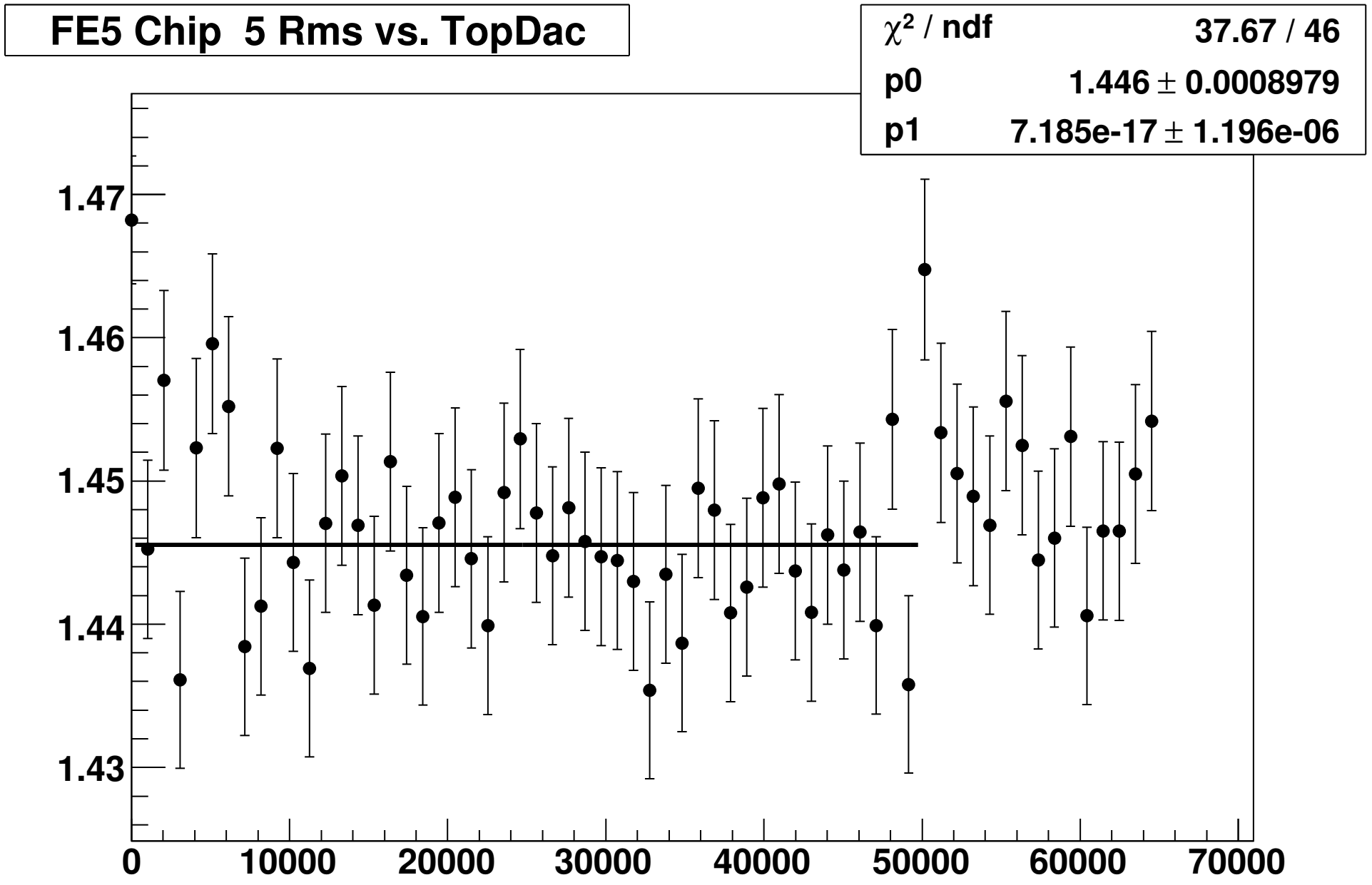
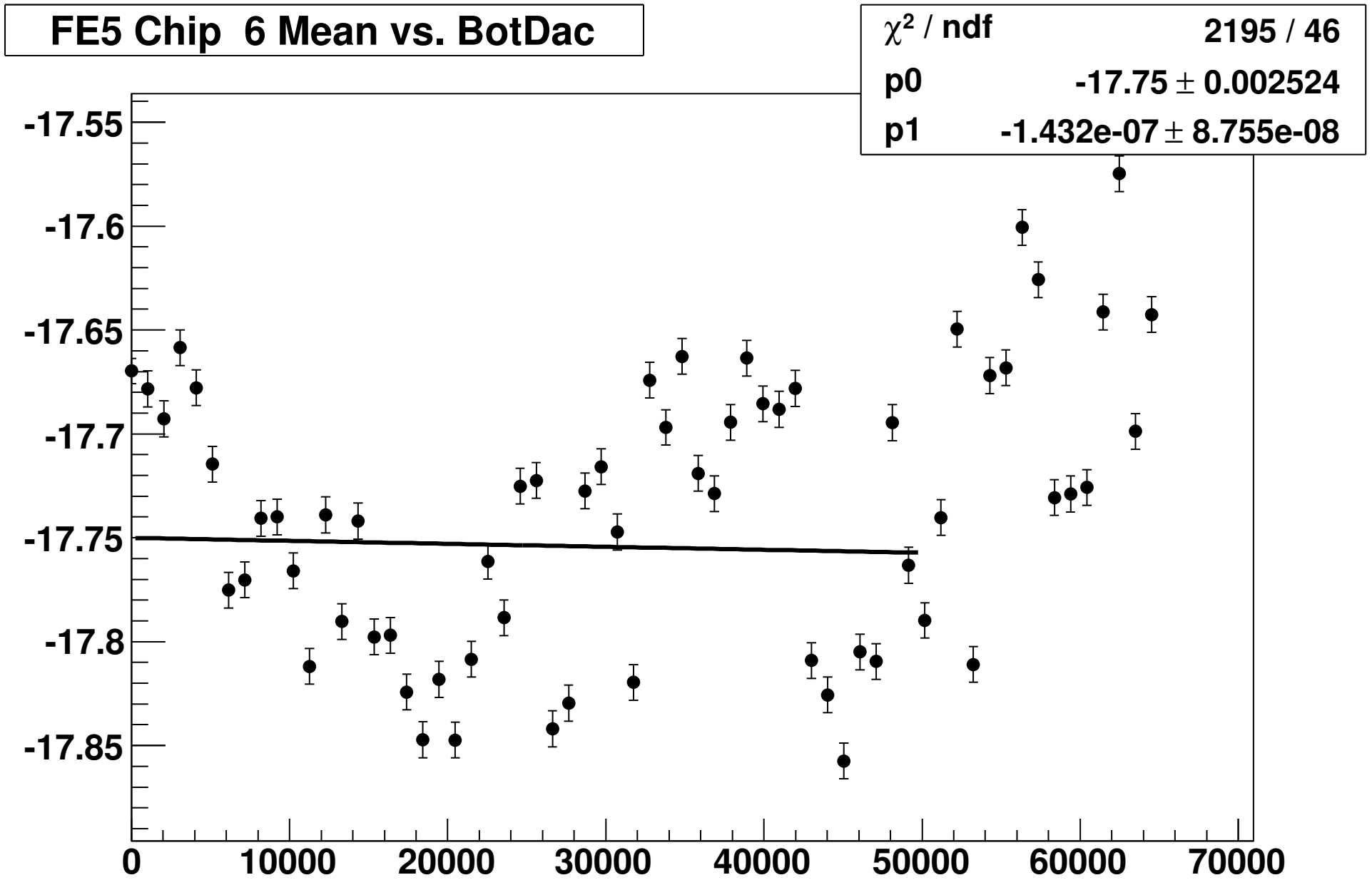

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 7461 / 46
p0 46.63 ± 0.002582
p1 4.977e-07 ± 8.954e-08
46.9
46.8
46.7
46.6
46.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 37.67 / 46
p0 1.446 ± 0.0008979
p1 7.185e-17 ± 1.196e-06
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 2195 / 46
p0 -17.75 ± 0.002524
p1 -1.432e-07 ± 8.755e-08
-17.55
-17.6
-17.65
-17.7
-17.75
-17.8
-17.85
0
10000
20000
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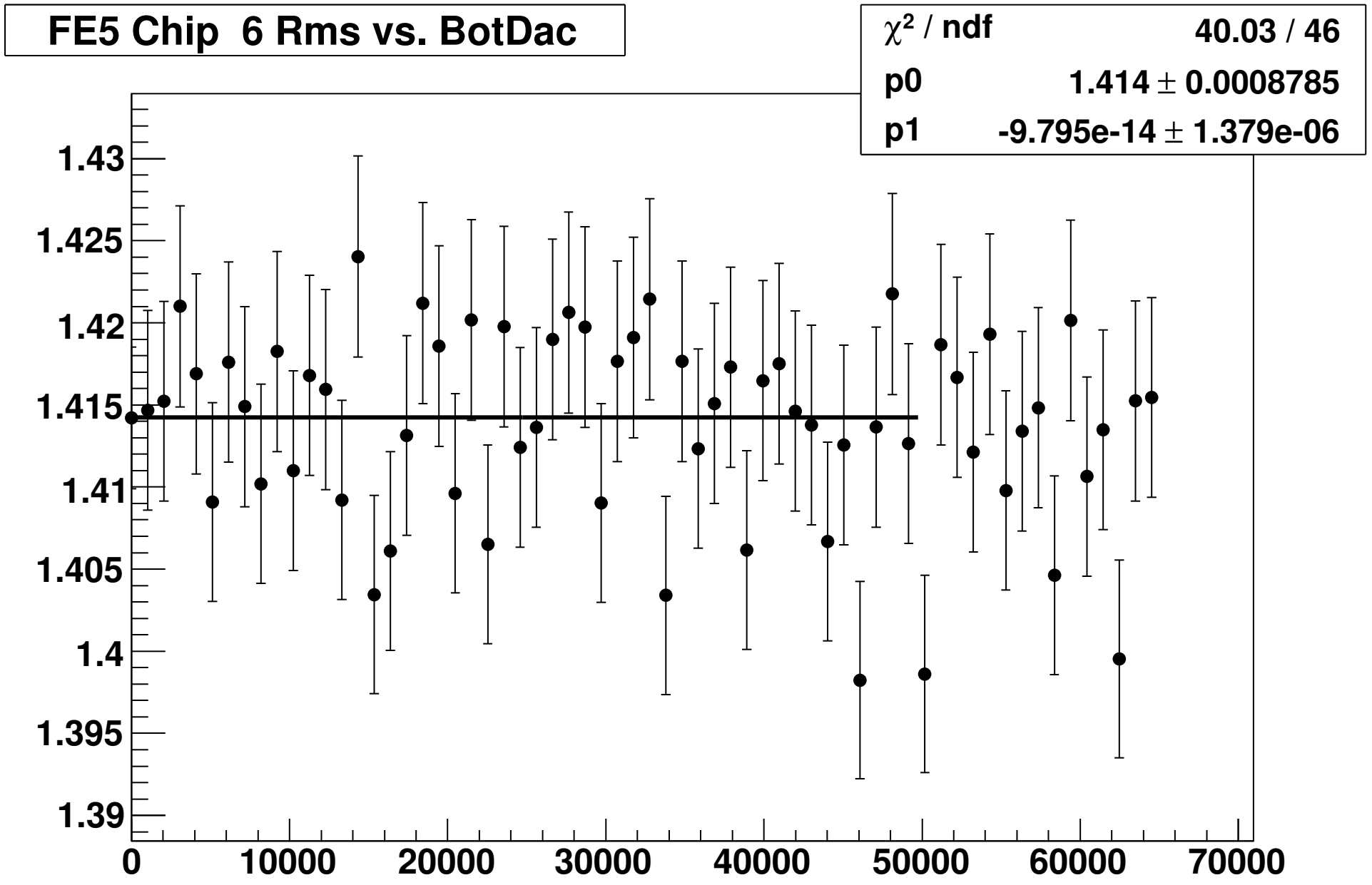
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 40.03 / 46
p0 1.414 ± 0.0008785
p1 -9.795e-14 ± 1.379e-06
1.43
1.425
1.42
1.415
1.41
1.405
1.4
1.395
1.39
0
10000
20000
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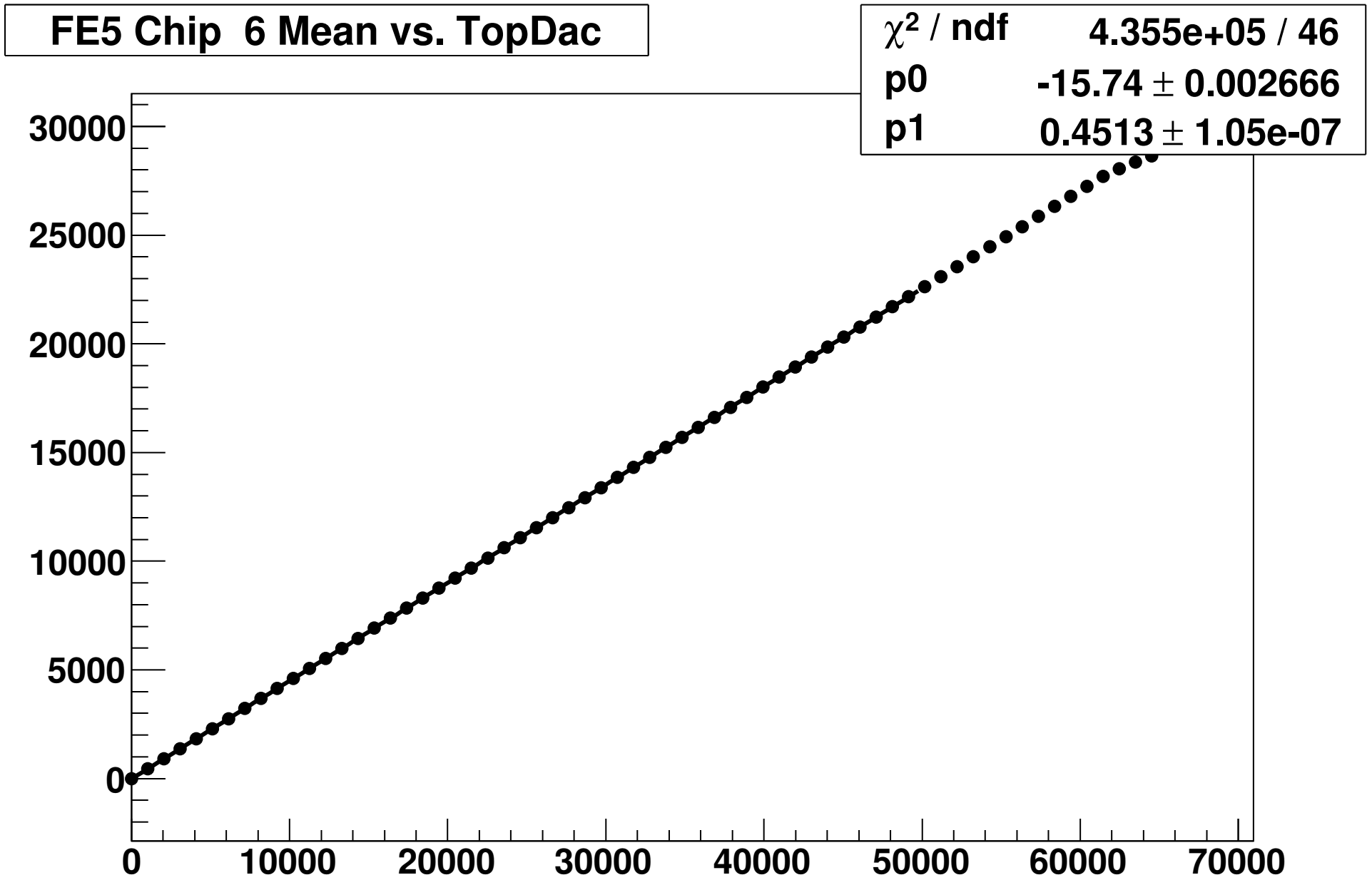
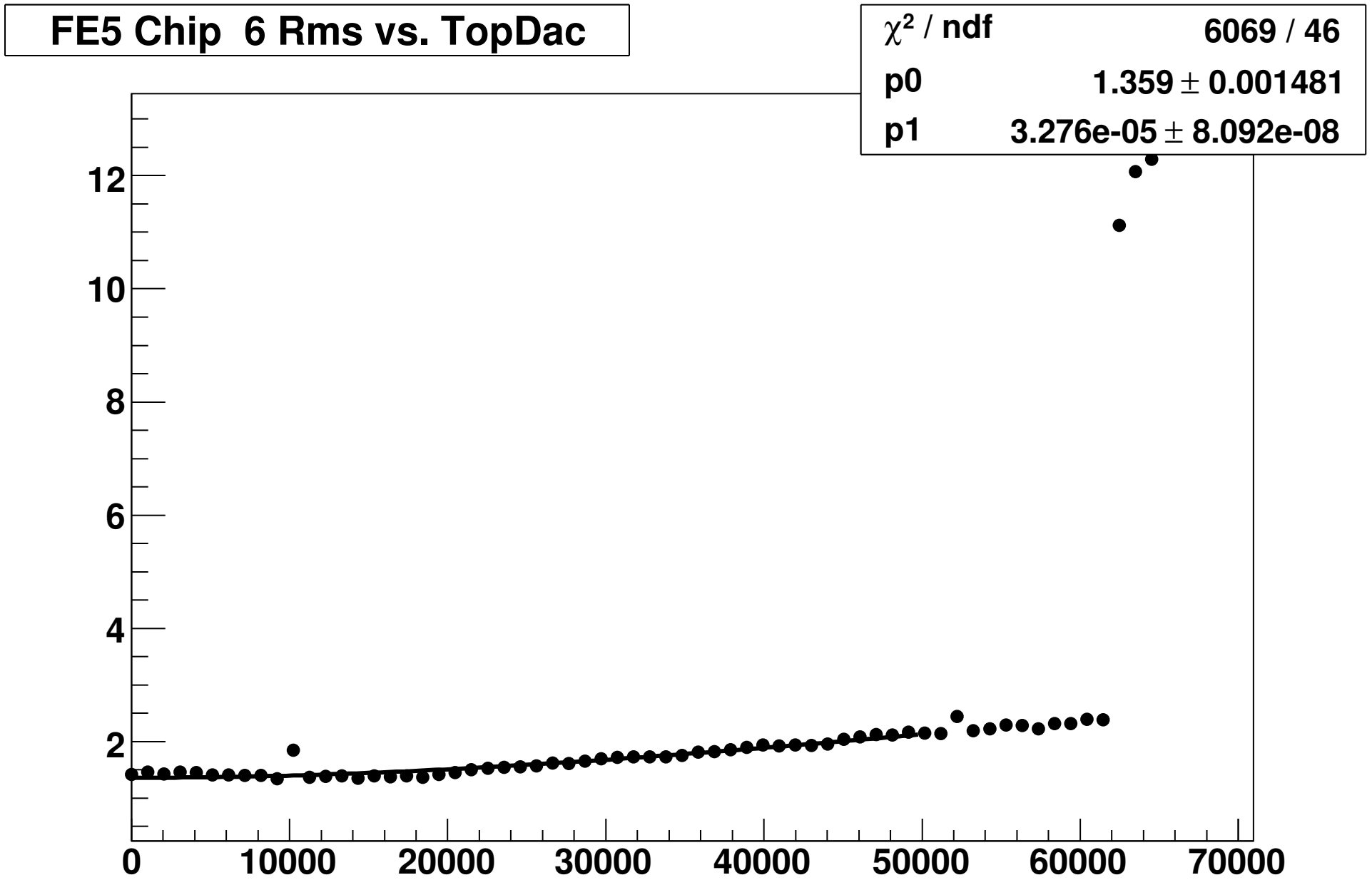
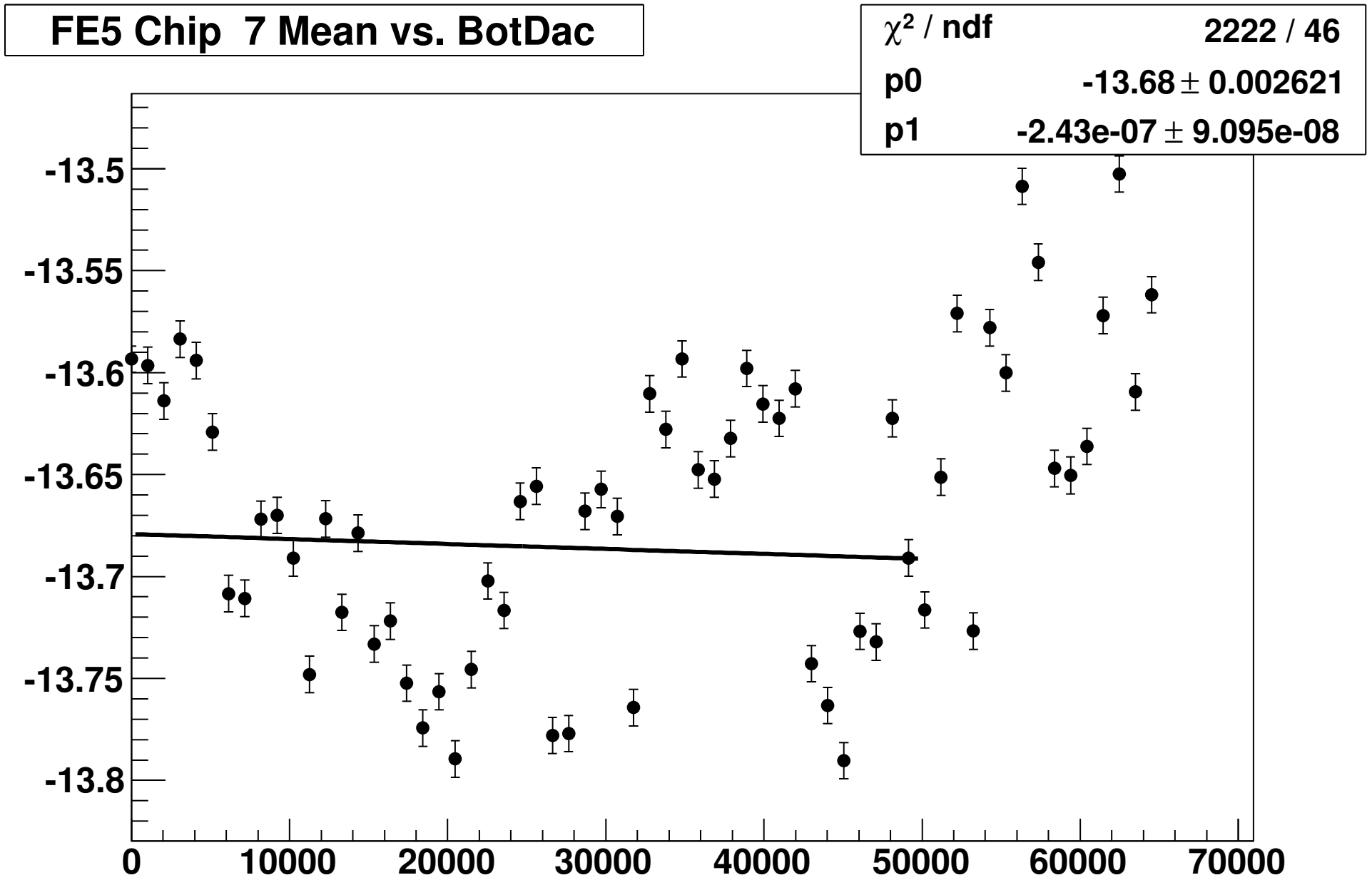

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 4.355e+05 / 46
p0 -15.74 ± 0.002666
p1 0.4513 ± 1.05e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 6069 / 46
p0 1.359 ± 0.001481
p1 3.276e-05 ± 8.092e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 2222 / 46
p0 -13.68 ± 0.002621
p1 -2.43e-07 ± 9.095e-08
-13.5
-13.55
-13.6
-13.65
-13.7
-13.75
-13.8
0
10000
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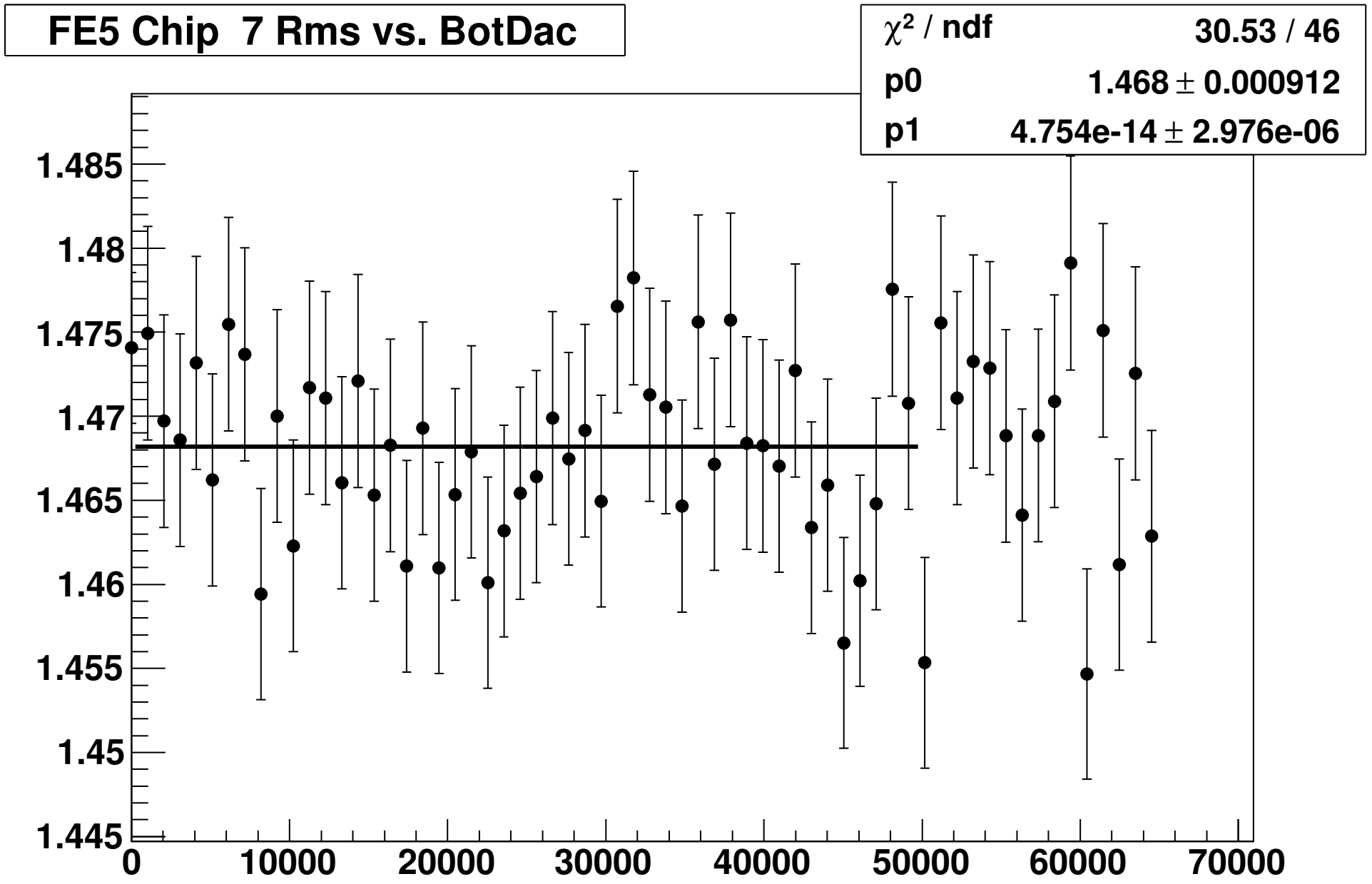
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 30.53 / 46
p0 1.468 ± 0.000912
p1 4.754e-14 ± 2.976e-06
1.485
1.48
1.475
1.47
1.465
1.46
1.455
1.45
1.445
0
10000
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50000
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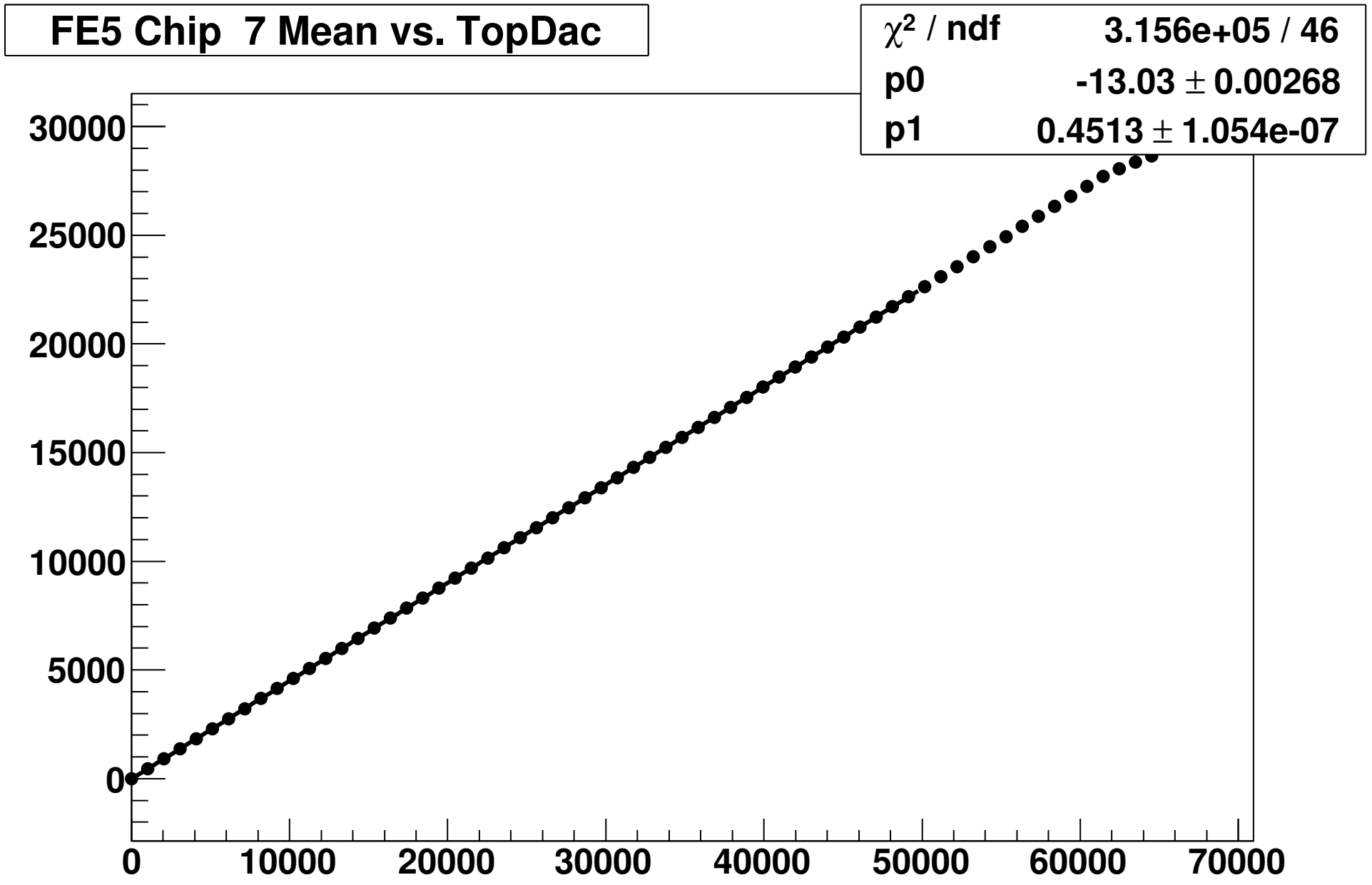
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 3.156e+05 / 46
p0 -13.03 ± 0.00268
p1 0.4513 ± 1.054e-07
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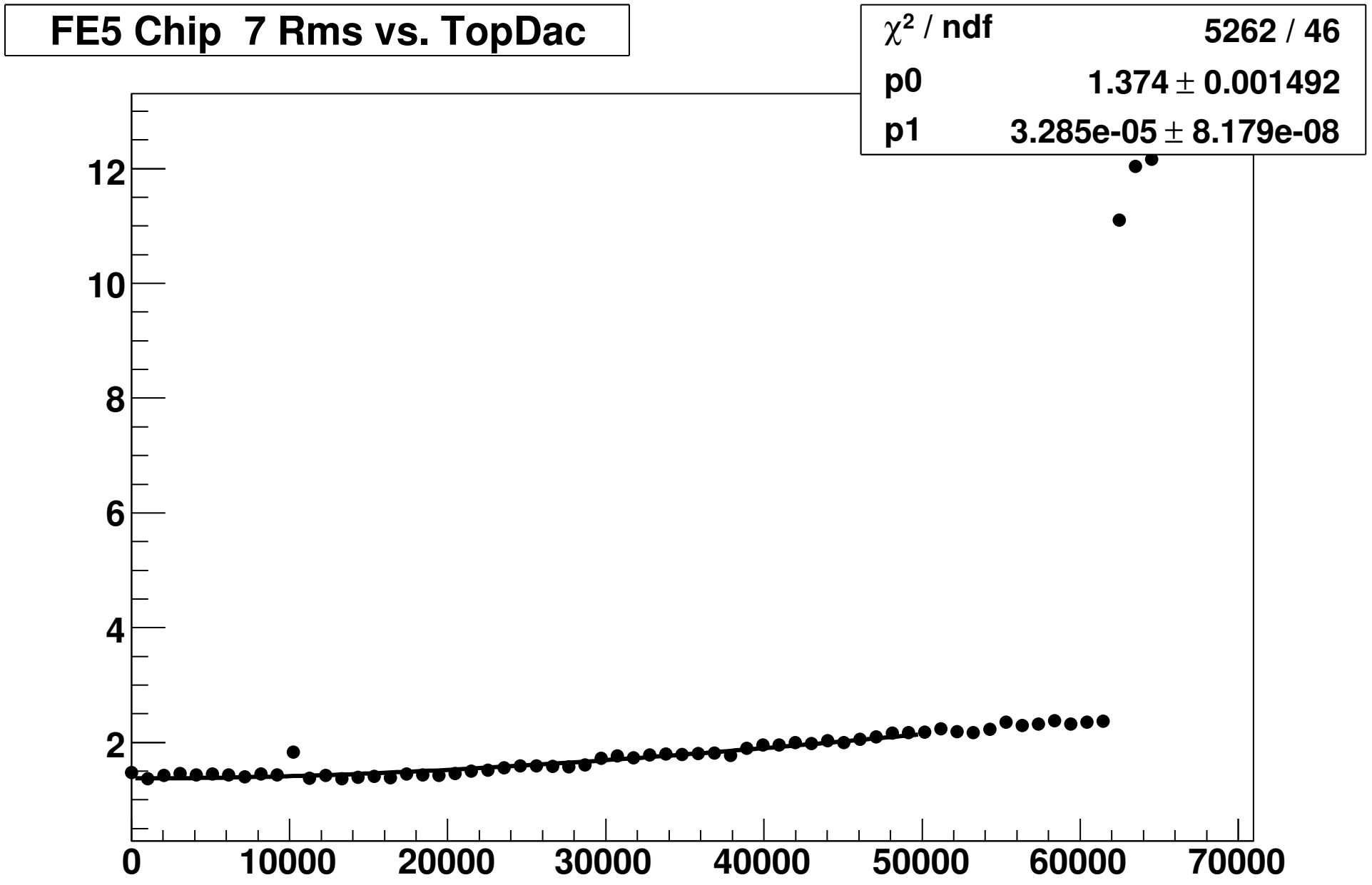
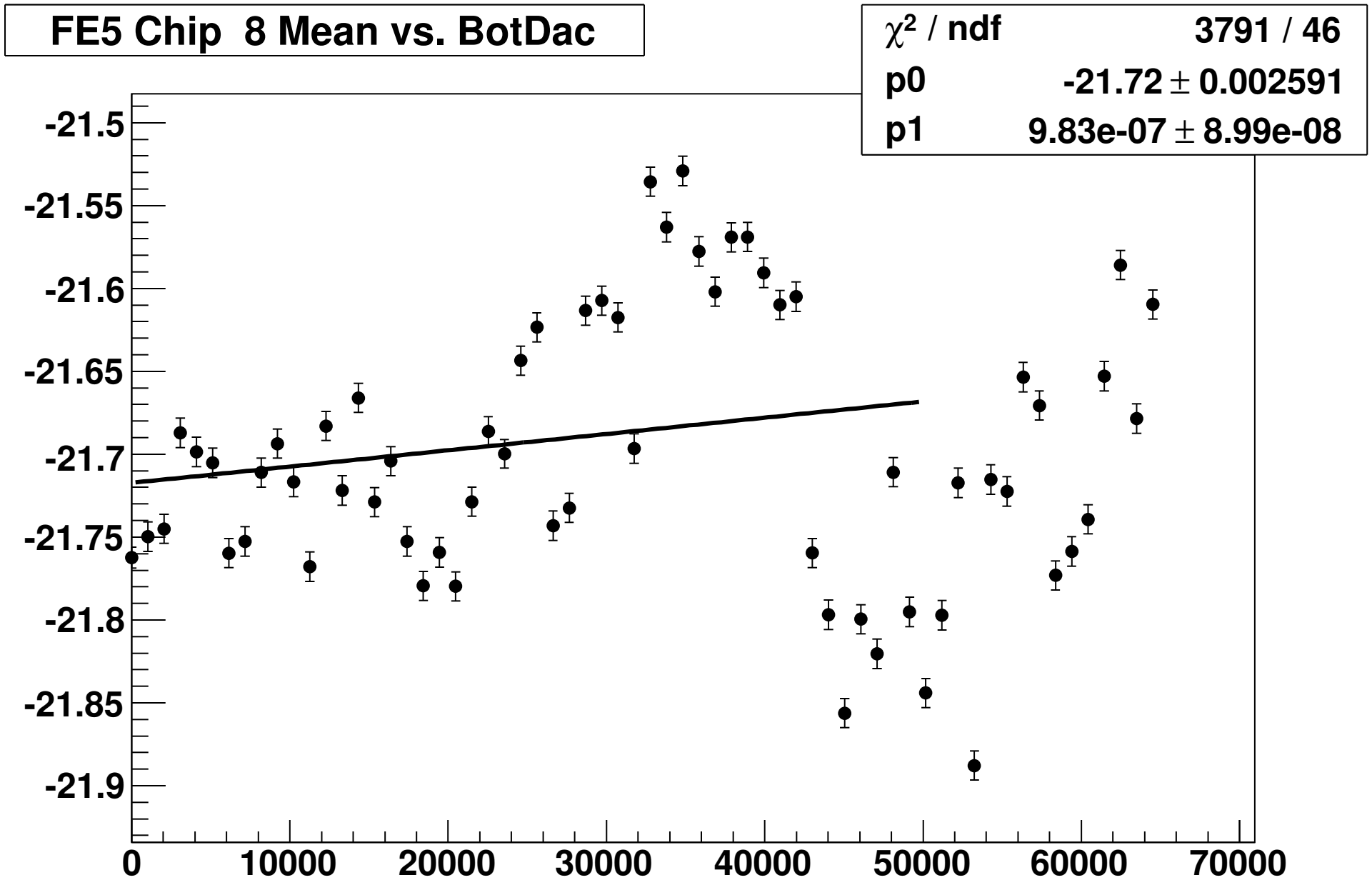
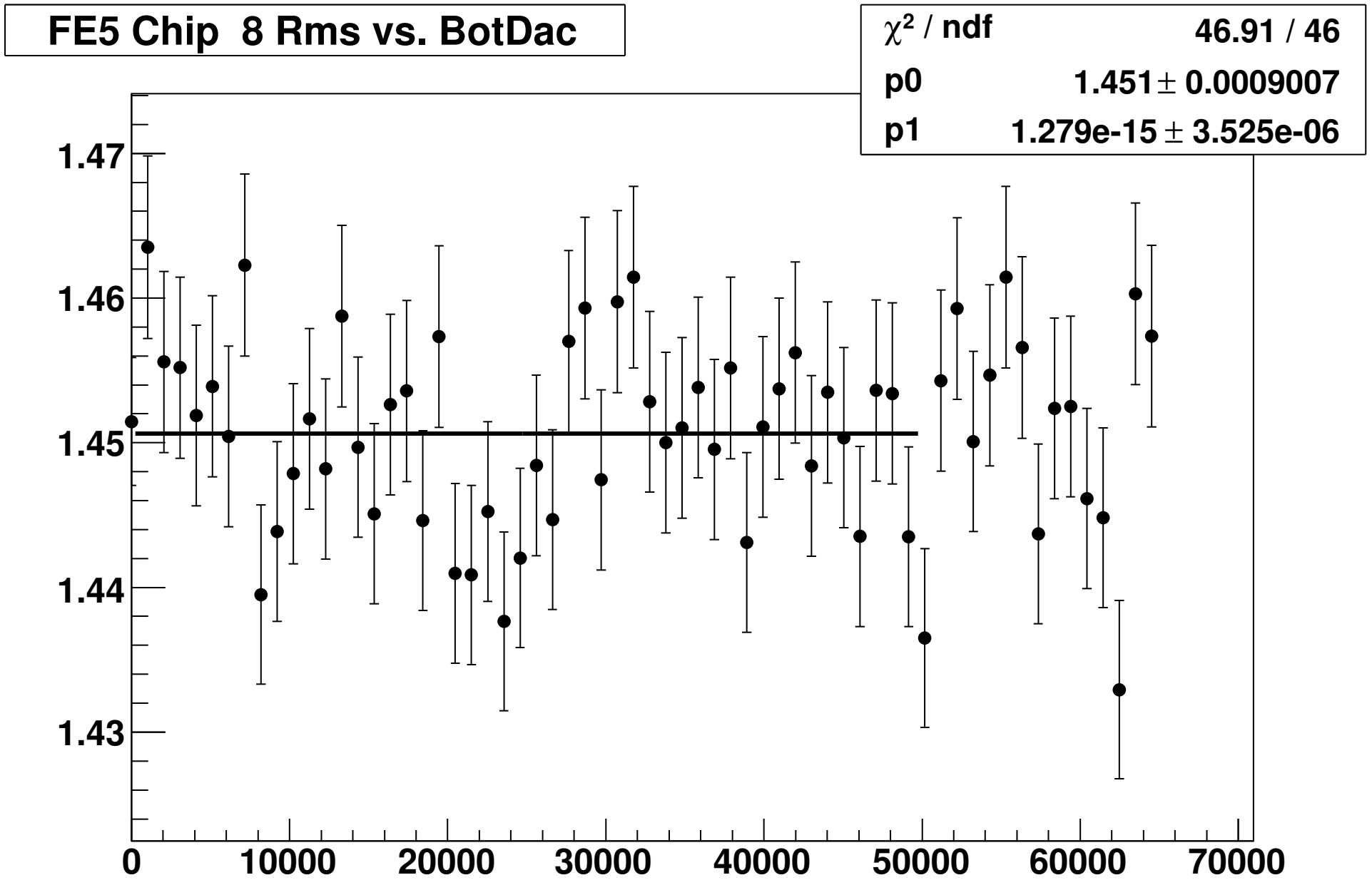
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 5262 / 46
p0 1.374 ± 0.001492
p1 3.285e-05 ± 8.179e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 3791 / 46
p0 -21.72 ± 0.002591
p1 9.83e-07 ± 8.99e-08
-21.5
-21.55
-21.6
-21.65
-21.7
-21.75
-21.8
-21.85
-21.9
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 46.91 / 46
p0 1.451 ± 0.0009007
p1 1.279e-15 ± 3.525e-06
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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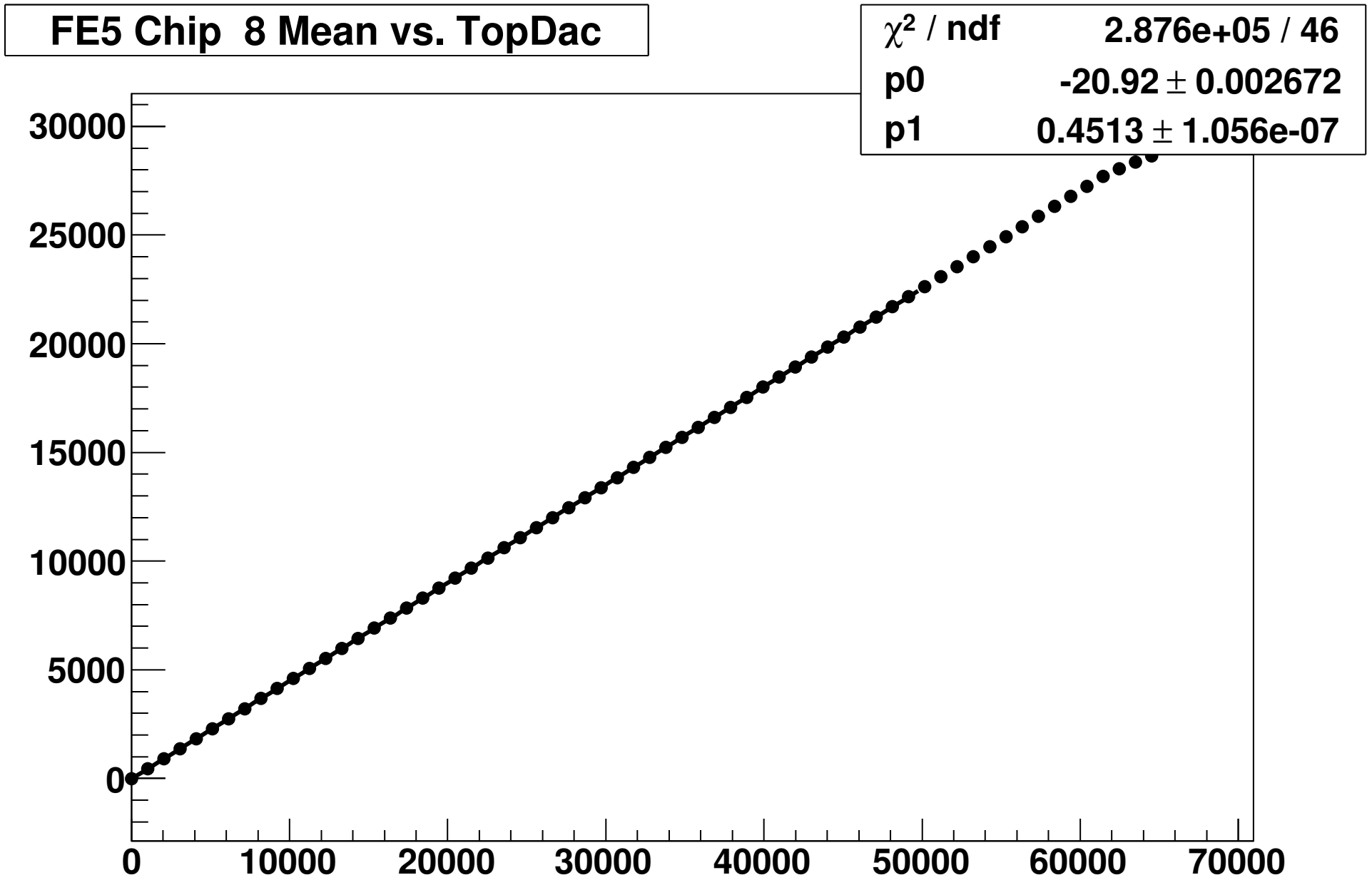
50000
60000
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 2.876e+05 / 46
p0 -20.92 ± 0.002672
p1 0.4513 ± 1.056e-07
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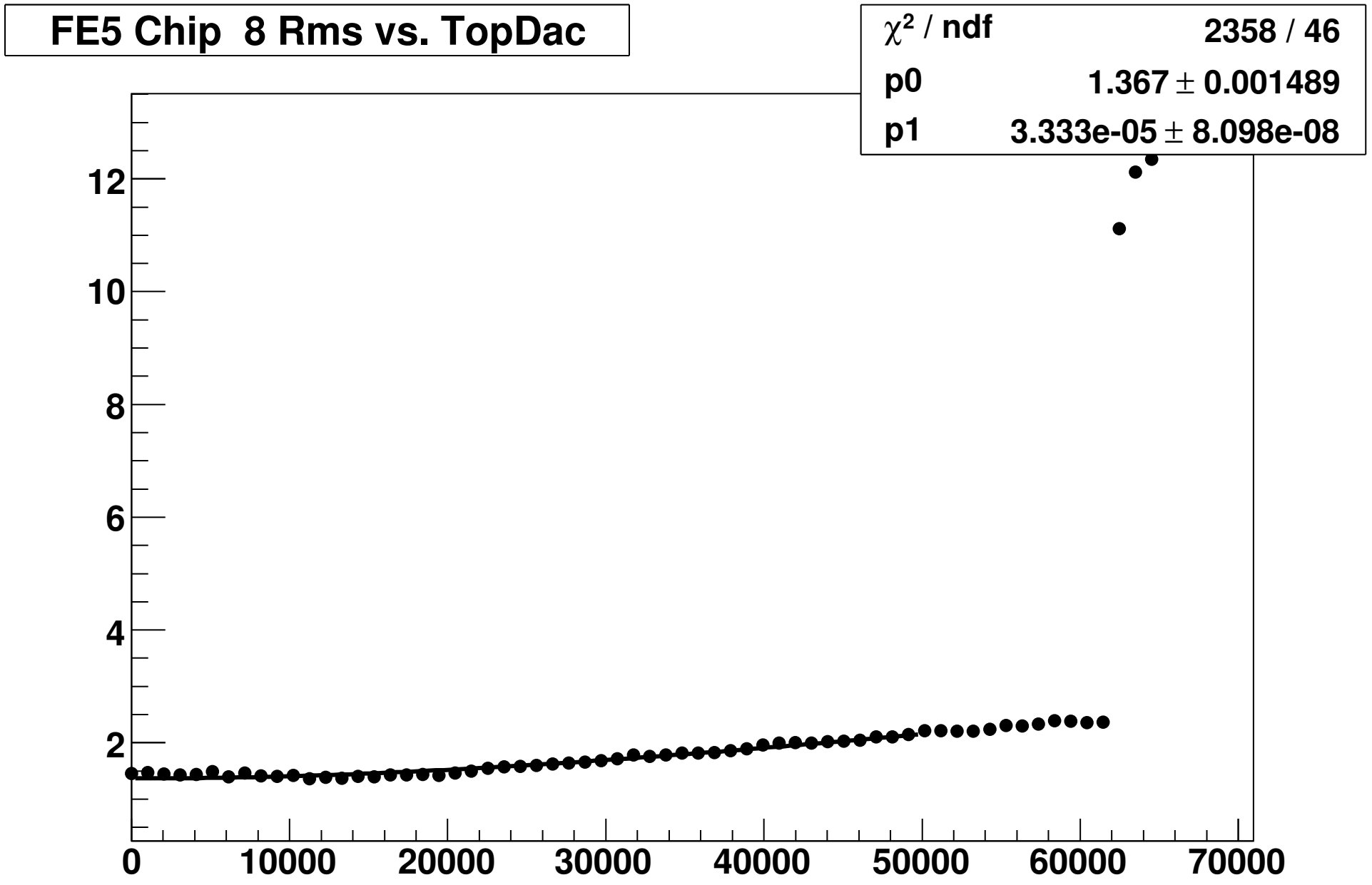
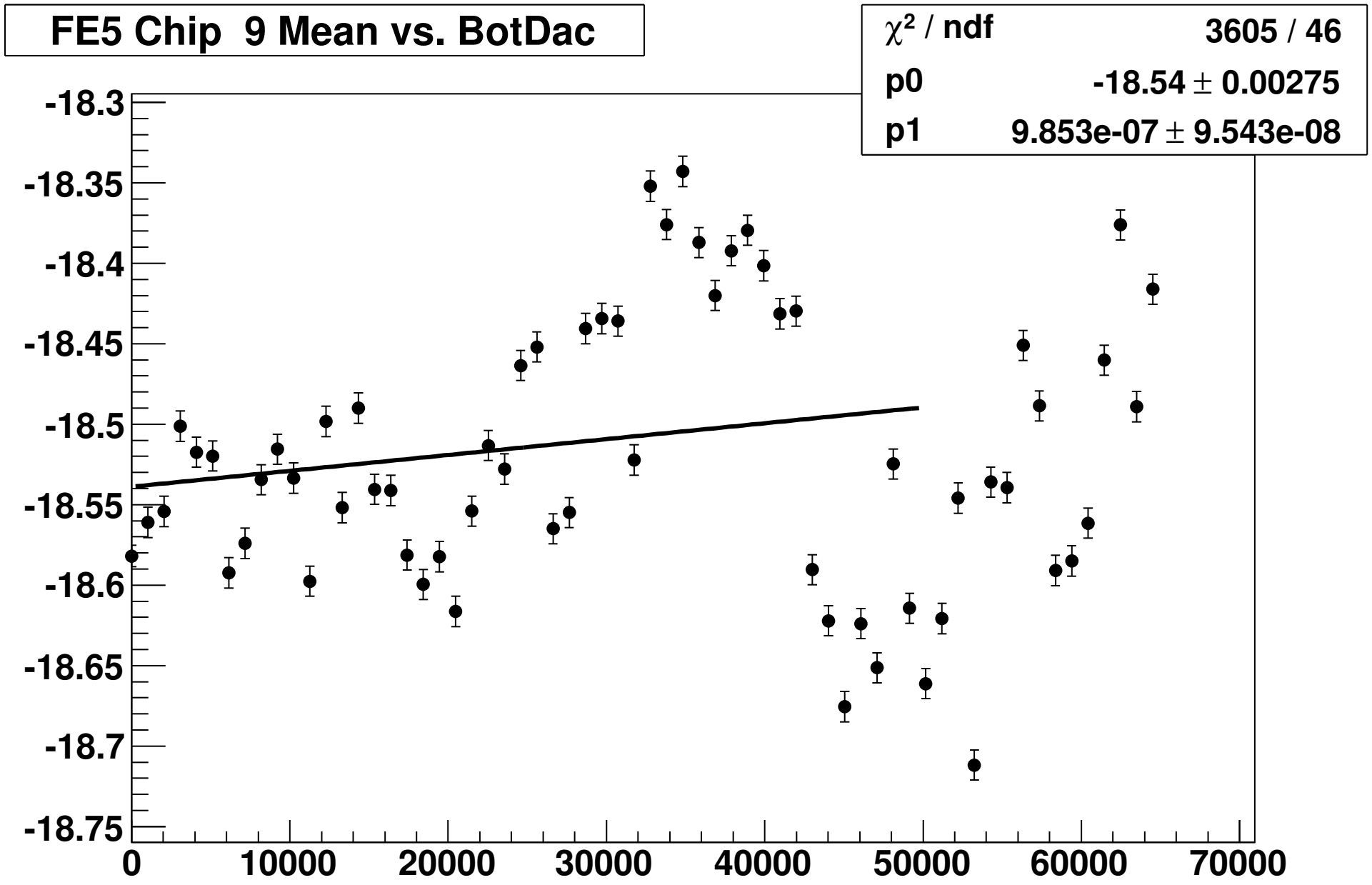
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 2358 / 46
p0 1.367 ± 0.001489
p1 3.333e-05 ± 8.098e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 3605 / 46
p0 -18.54 ± 0.00275
p1 9.853e-07 ± 9.543e-08
-18.3
-18.35
-18.4
-18.45
-18.5
-18.55
-18.6
-18.65
-18.7
-18.75
0
10000
20000
30000
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50000
60000
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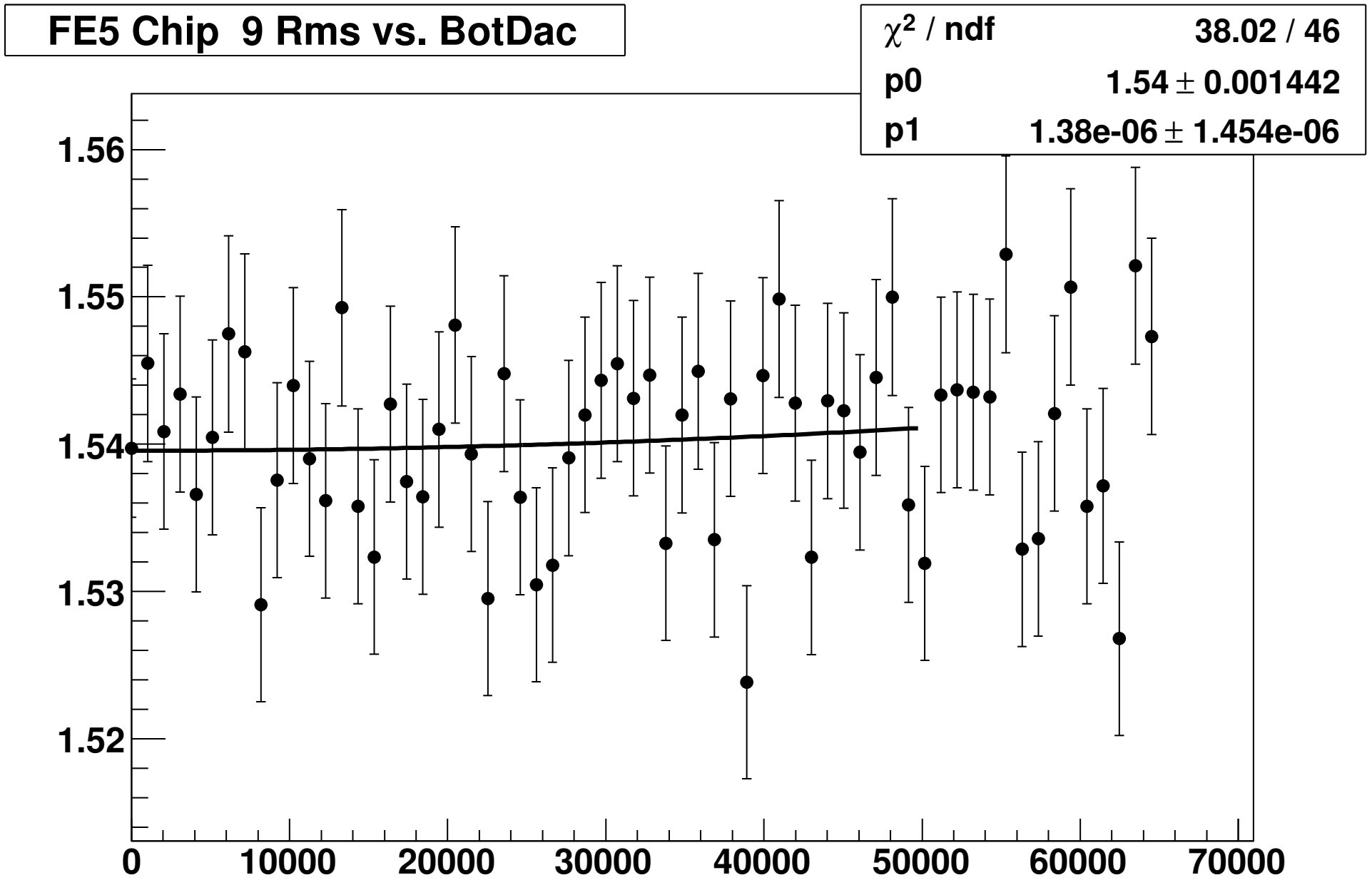
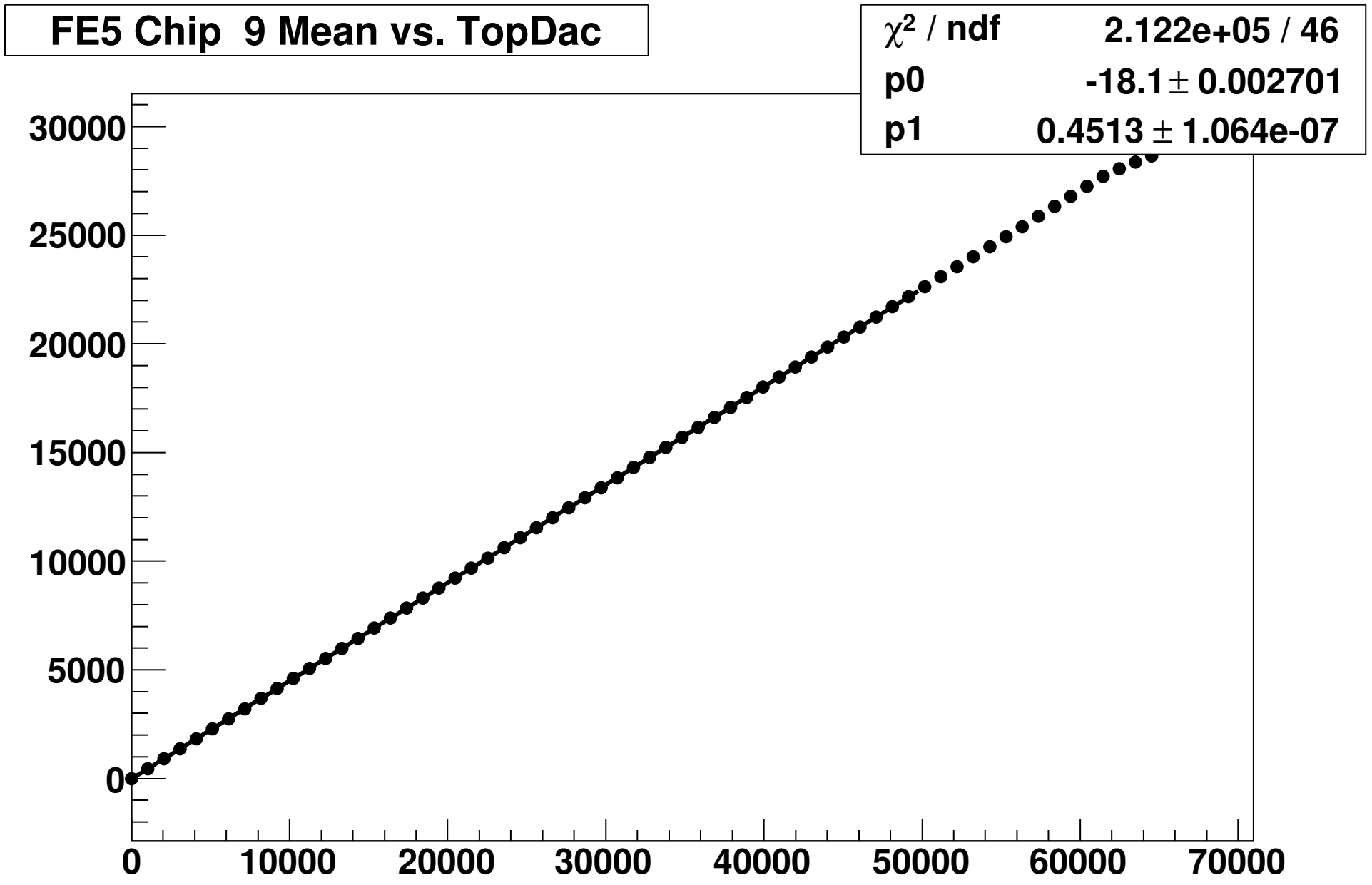
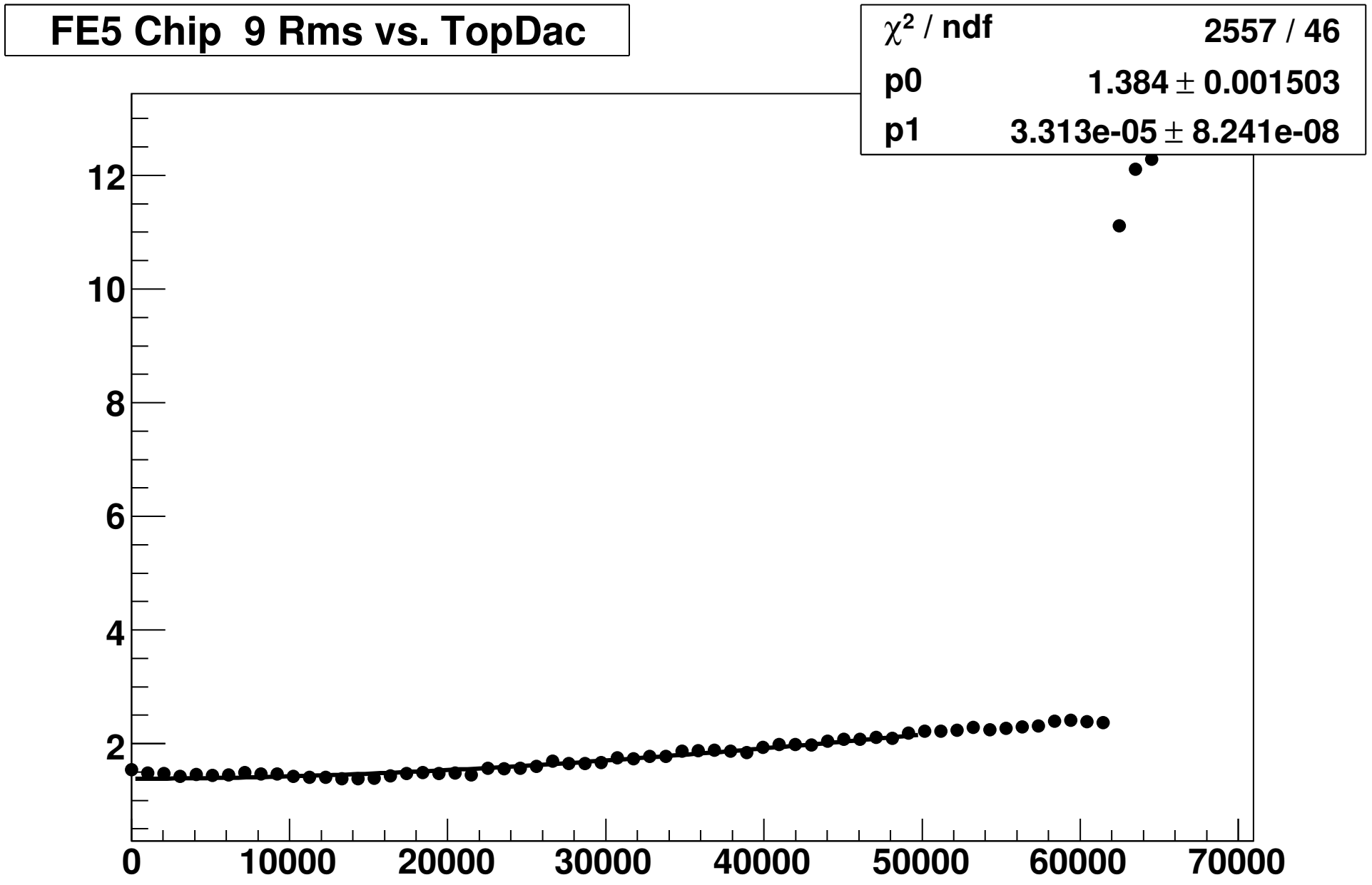
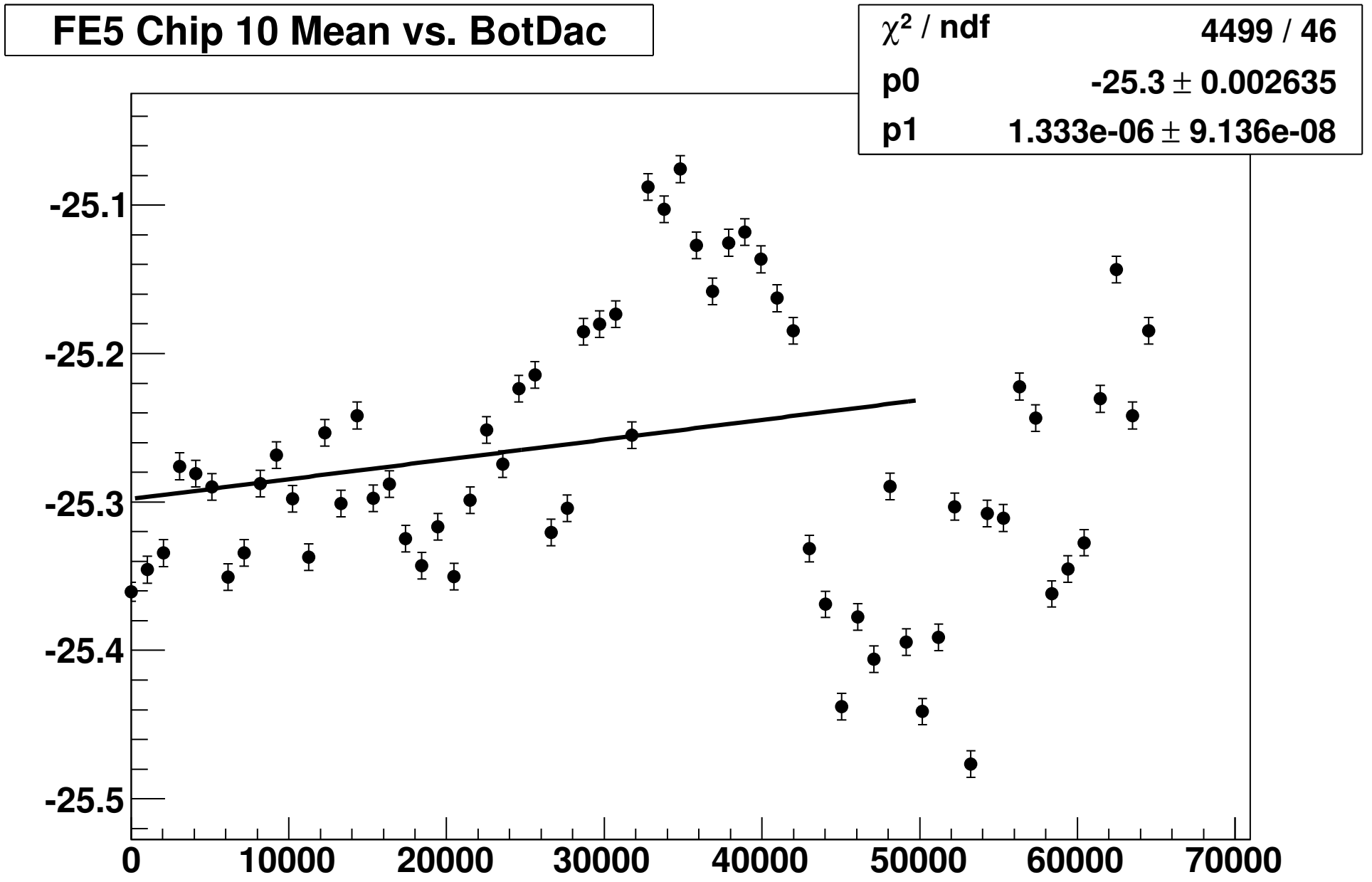
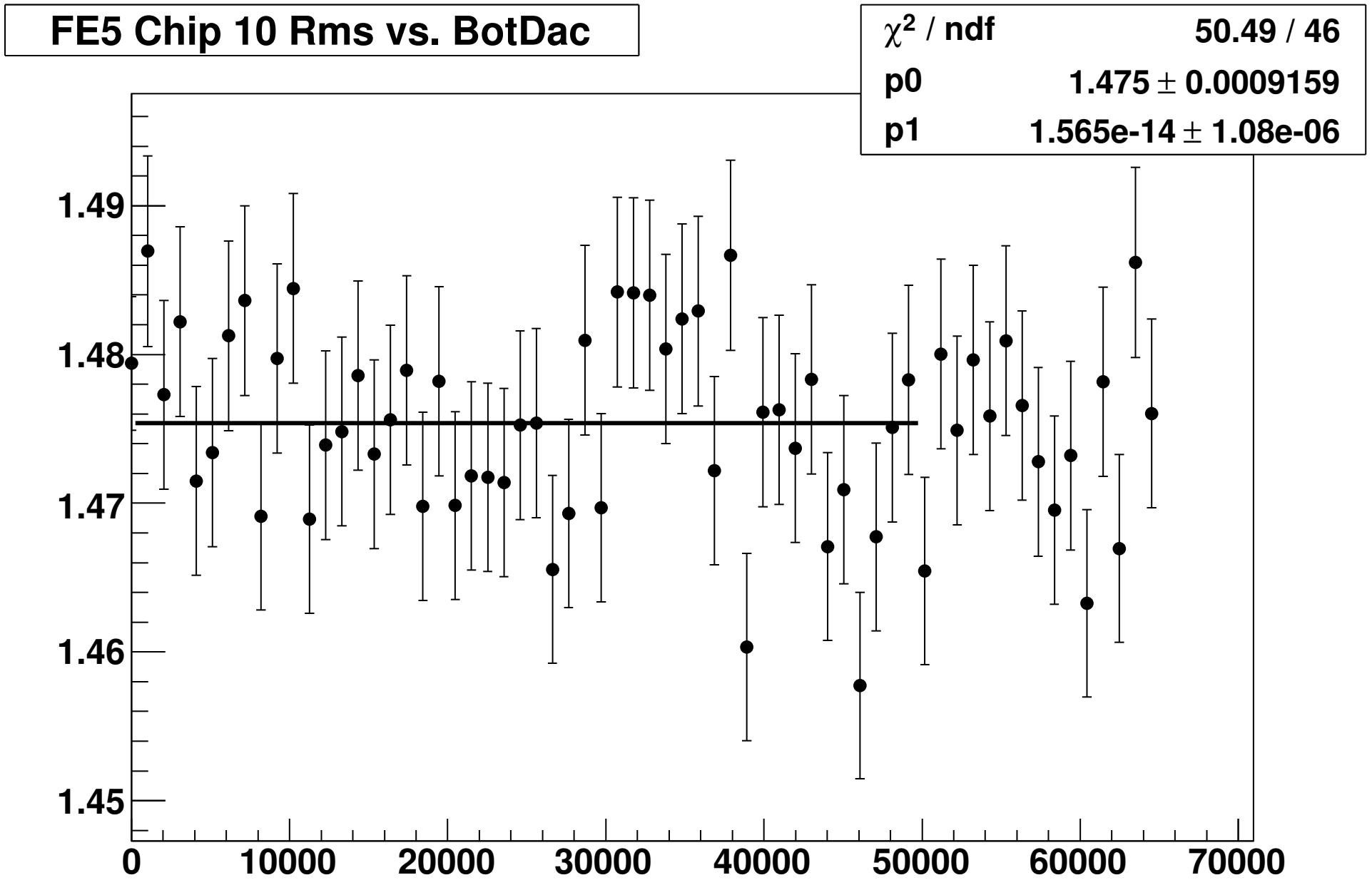
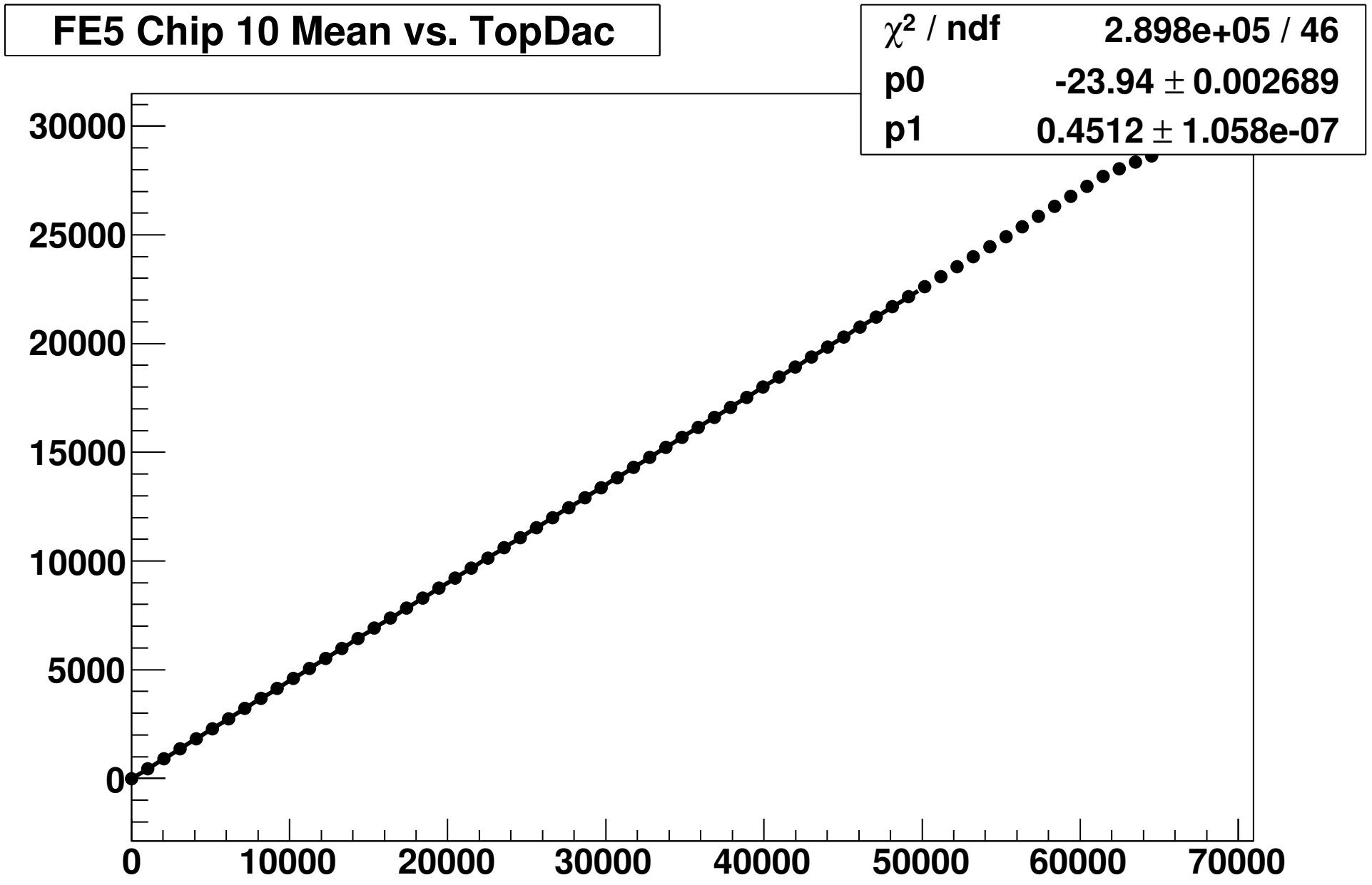

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 38.02 / 46
p0 1.54 ± 0.001442
p1 1.38e-06 ± 1.454e-06
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000

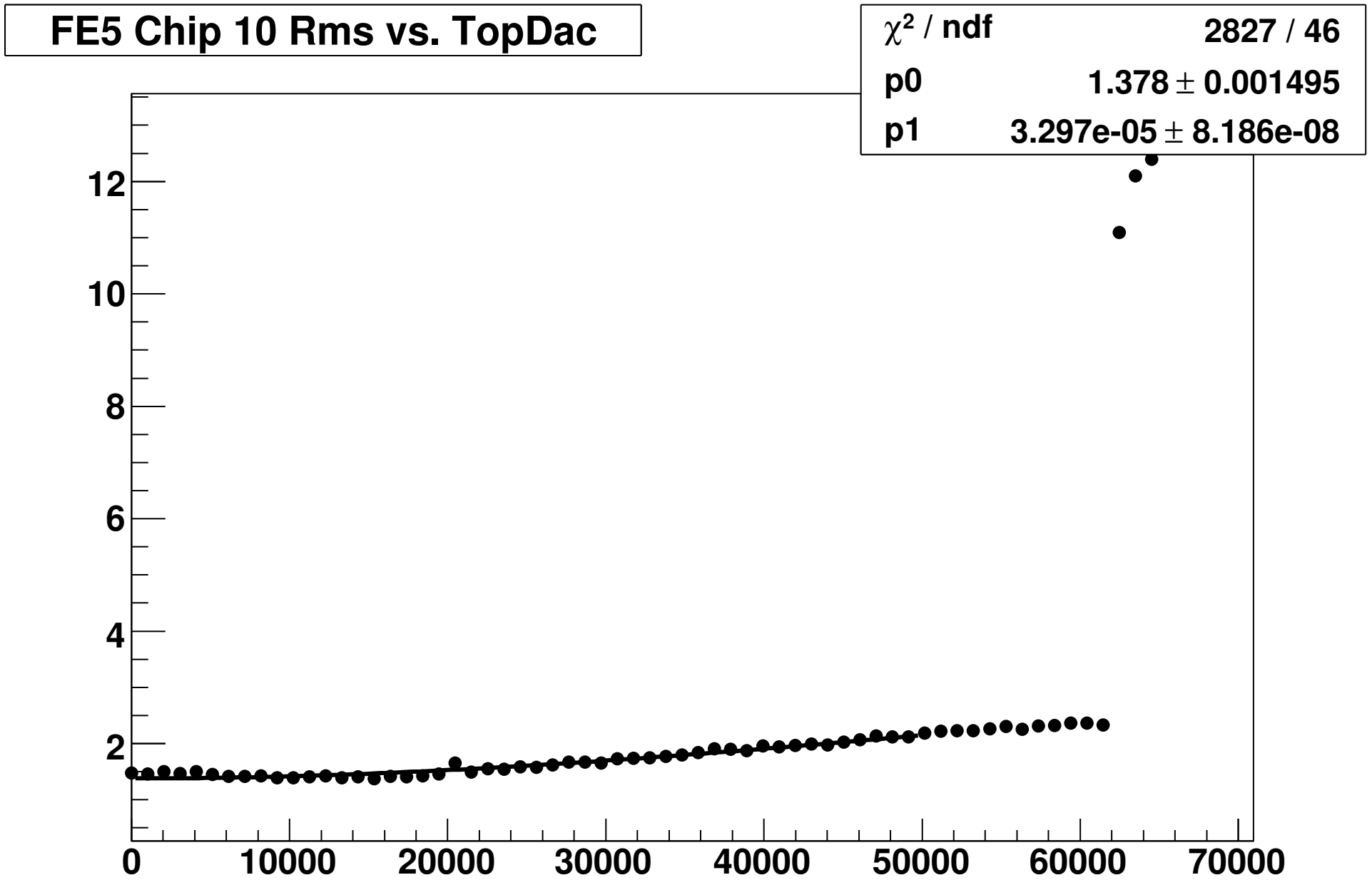

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 2.122e+05 / 46
p0 -18.1 ± 0.002701
p1 0.4513 ± 1.064e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

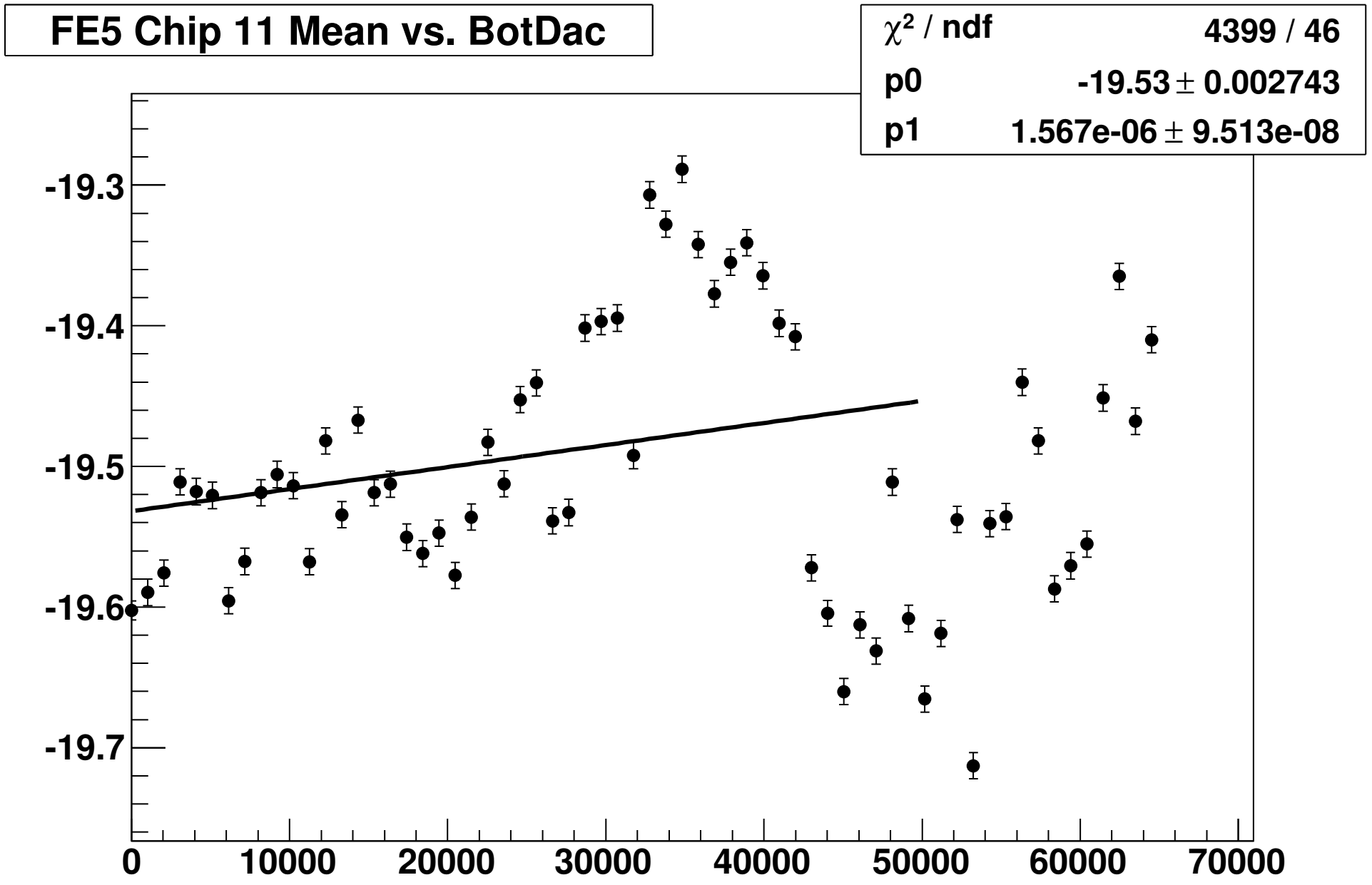

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 2557 / 46
p0 1.384 ± 0.001503
p1 3.313e-05 ± 8.241e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

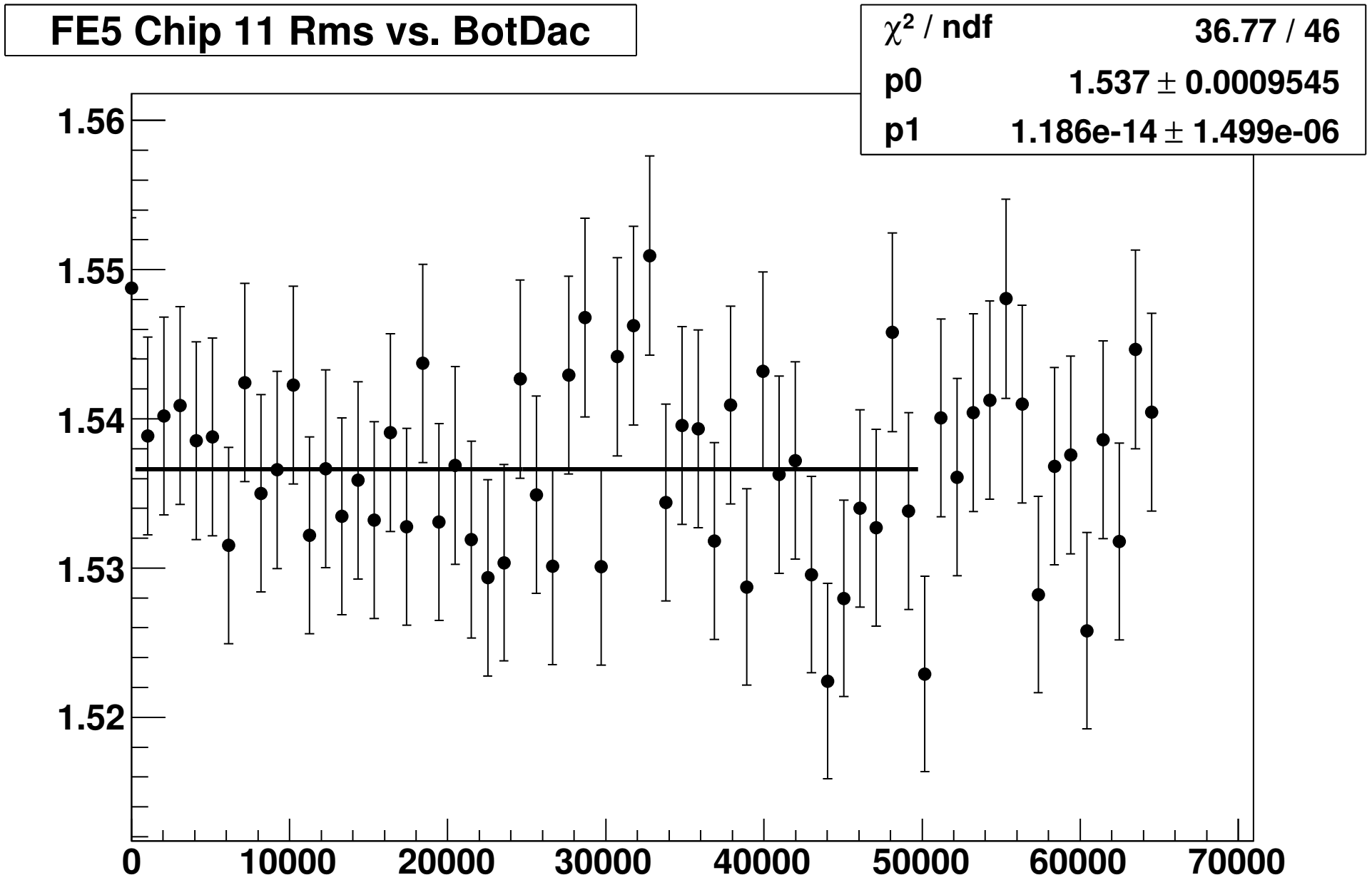

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 4499 / 46
p0 -25.3 ± 0.002635
p1 1.333e-06 ± 9.136e-08
-25.1
-25.2
-25.3
-25.4
-25.5
0
10000
20000
30000
40000
50000
60000
70000

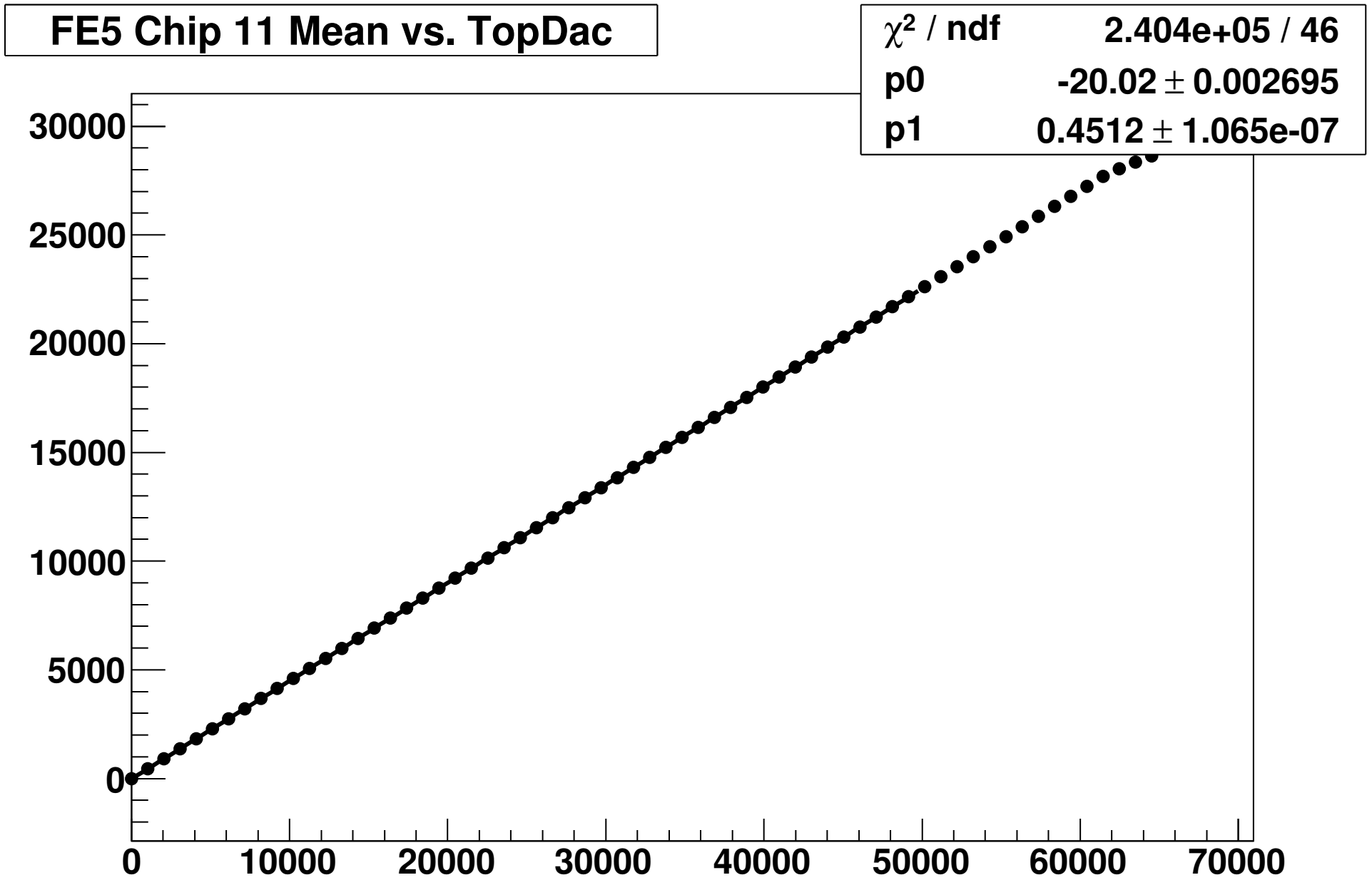

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 50.49 / 46
p0 1.475 ± 0.0009159
p1 1.565e-14 ± 1.08e-06
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

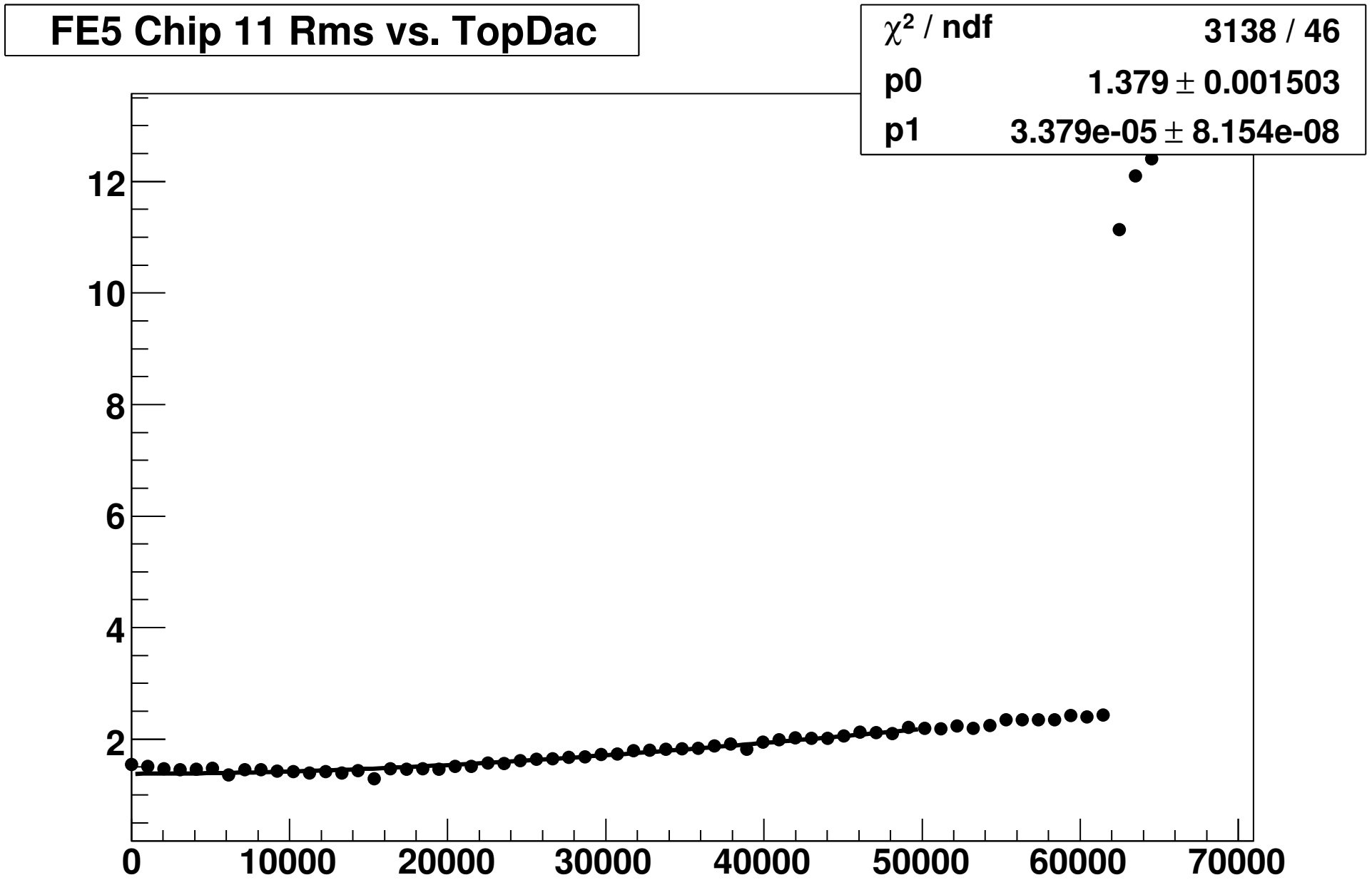

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 2.898e+05 / 46
p0 -23.94 ± 0.002689
p1 0.4512 ± 1.058e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

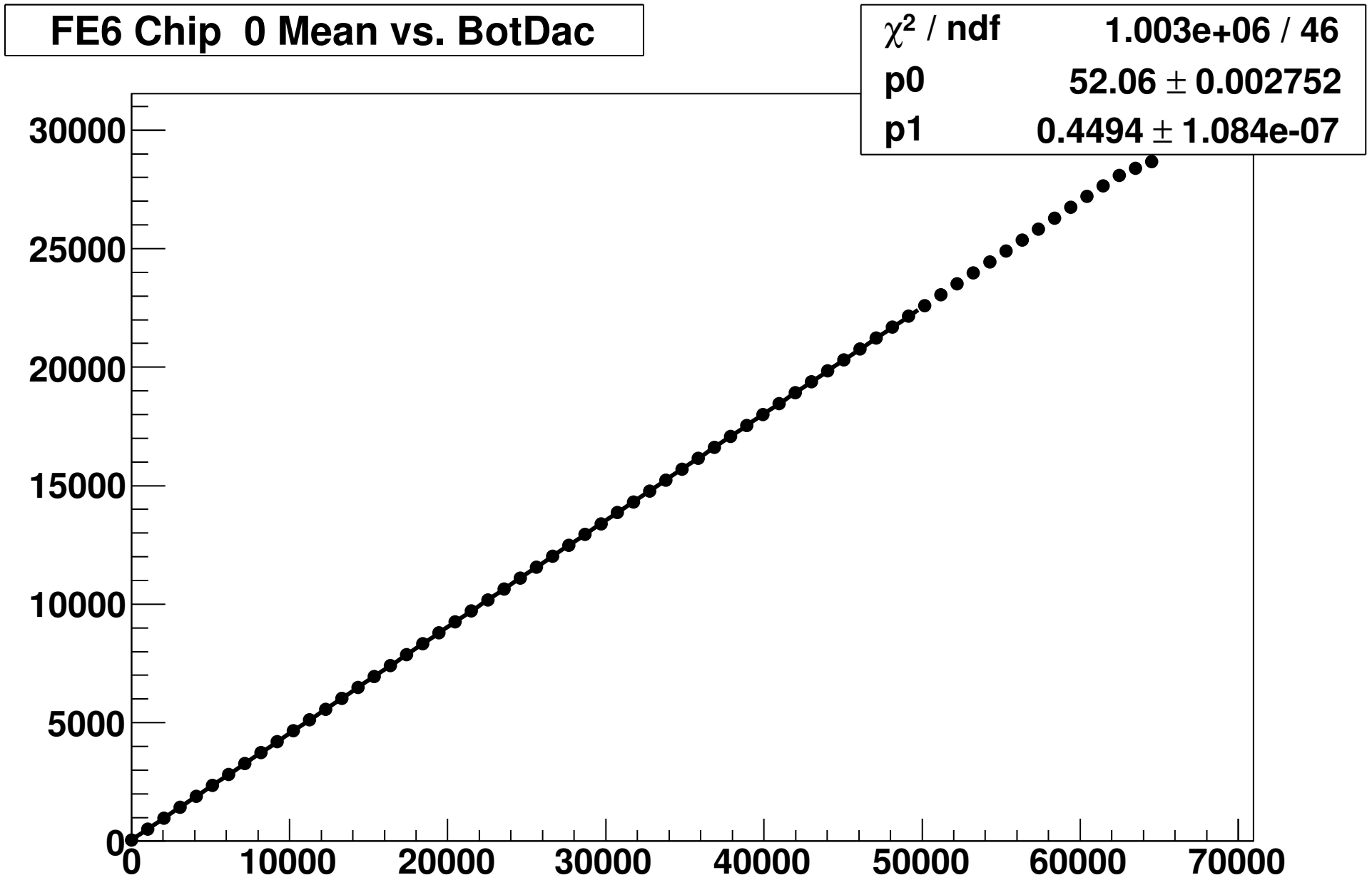

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 2827 / 46
p0 1.378 ± 0.001495
p1 3.297e-05 ± 8.186e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

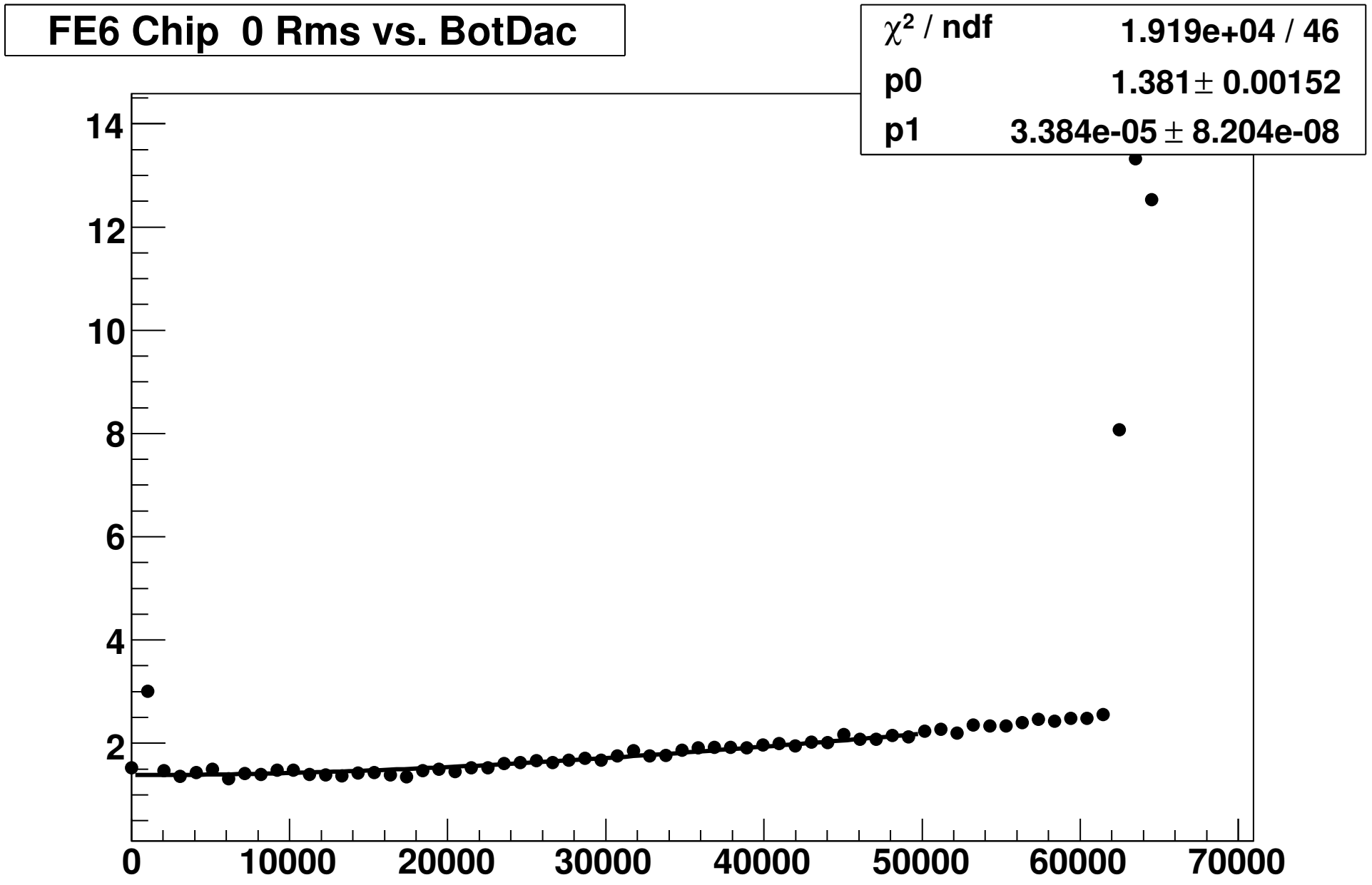

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 4399 / 46
p0 -19.53 ± 0.002743
p1 1.567e-06 ± 9.513e-08
-19.3
-19.4
-19.5
-19.6
-19.7
0
10000
20000
30000
40000
50000
60000
70000

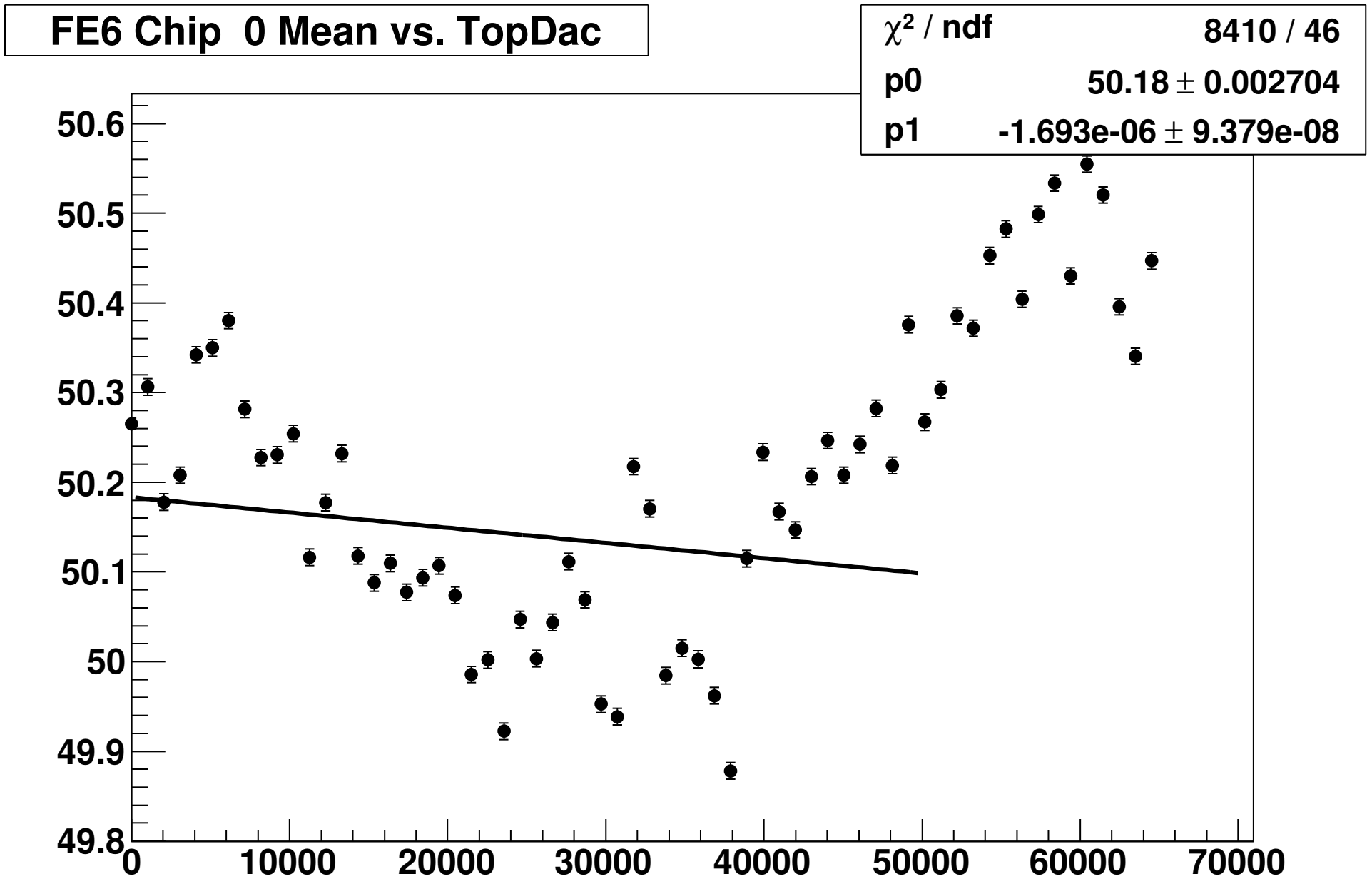

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 36.77 / 46
p0 1.537 ± 0.0009545
p1 1.186e-14 ± 1.499e-06
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000

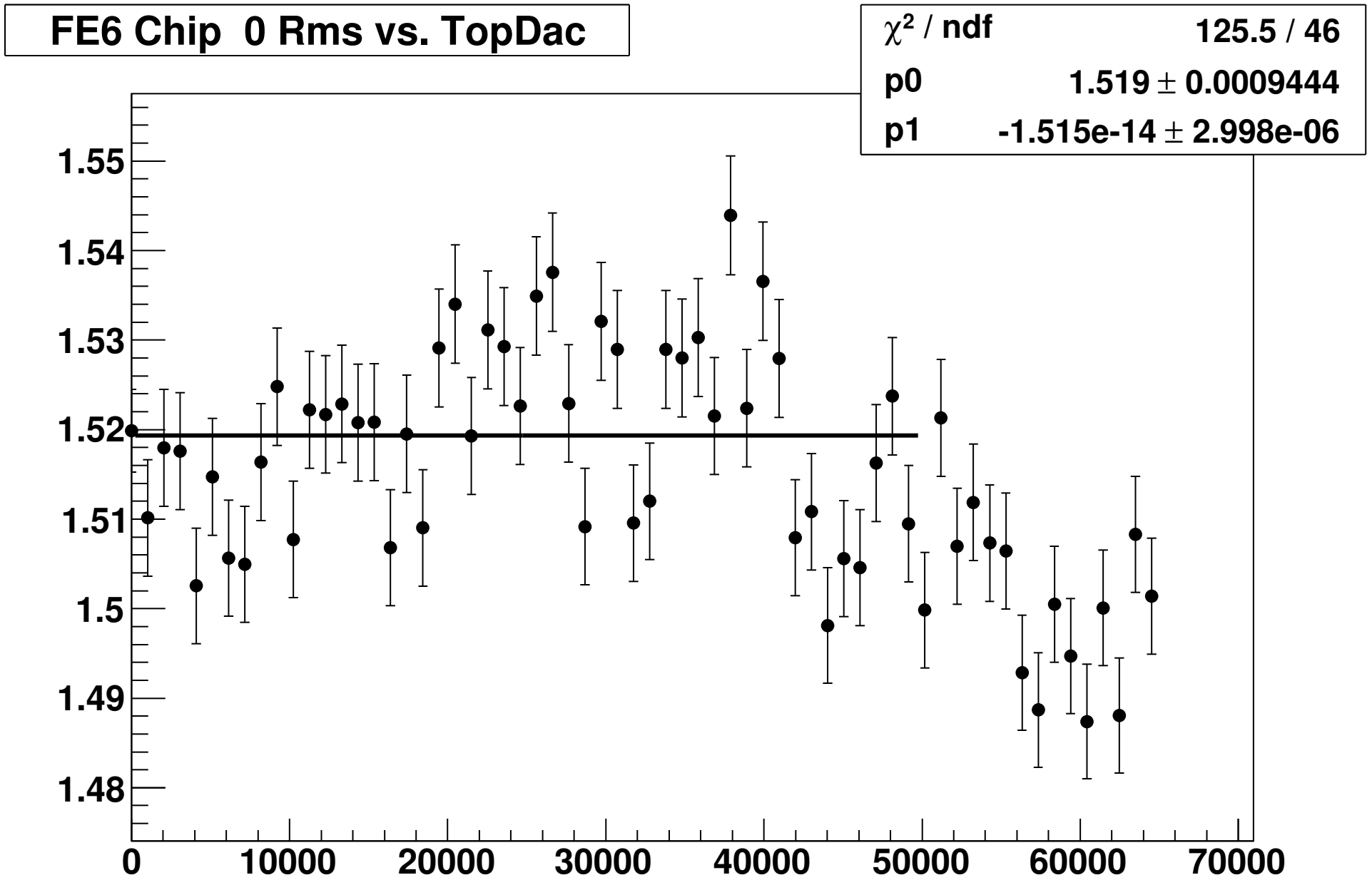

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 2.404e+05 / 46
p0 -20.02 ± 0.002695
p1 0.4512 ± 1.065e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

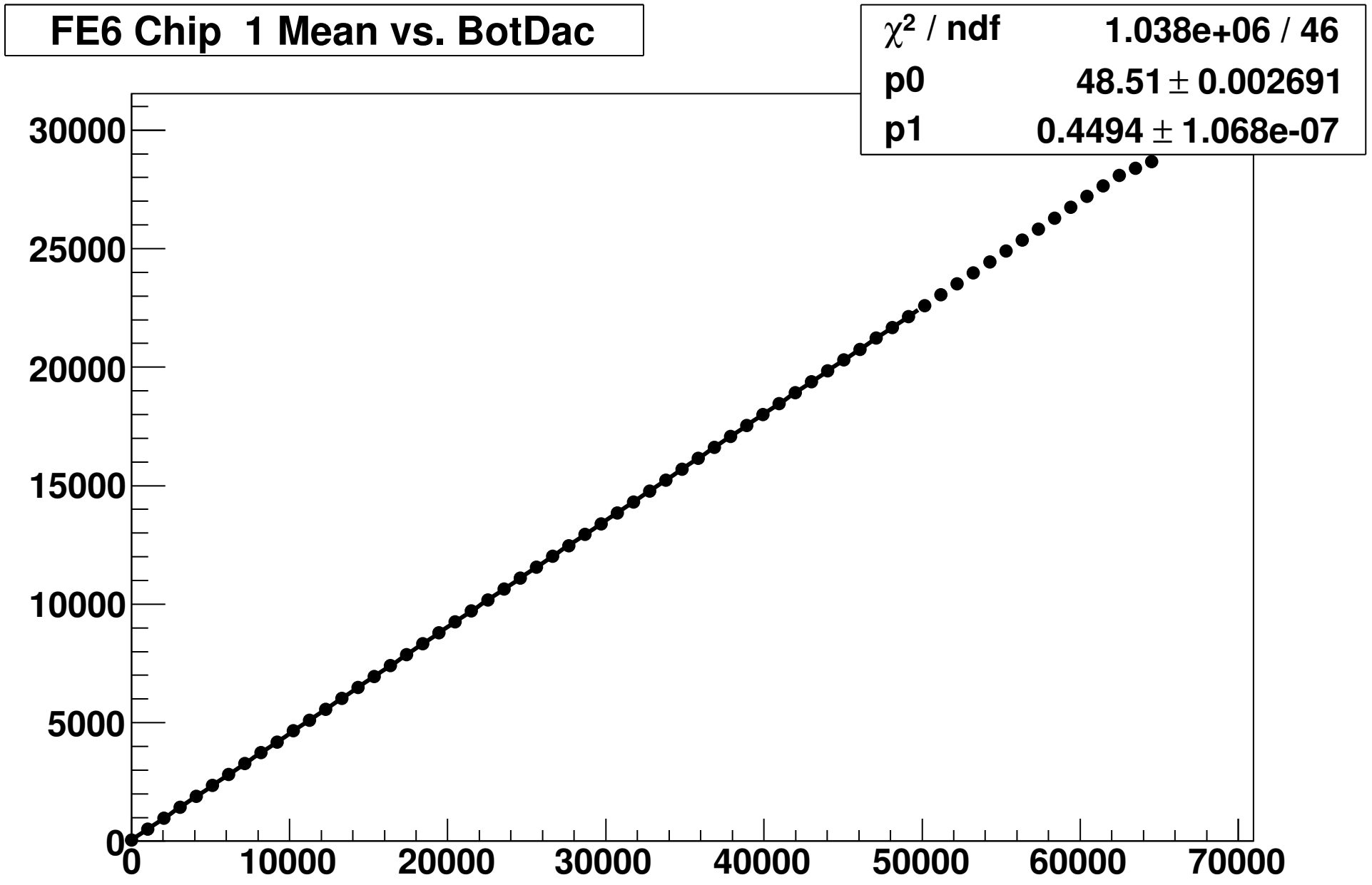

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 3138 / 46
p0 1.379 ± 0.001503
p1 3.379e-05 ± 8.154e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

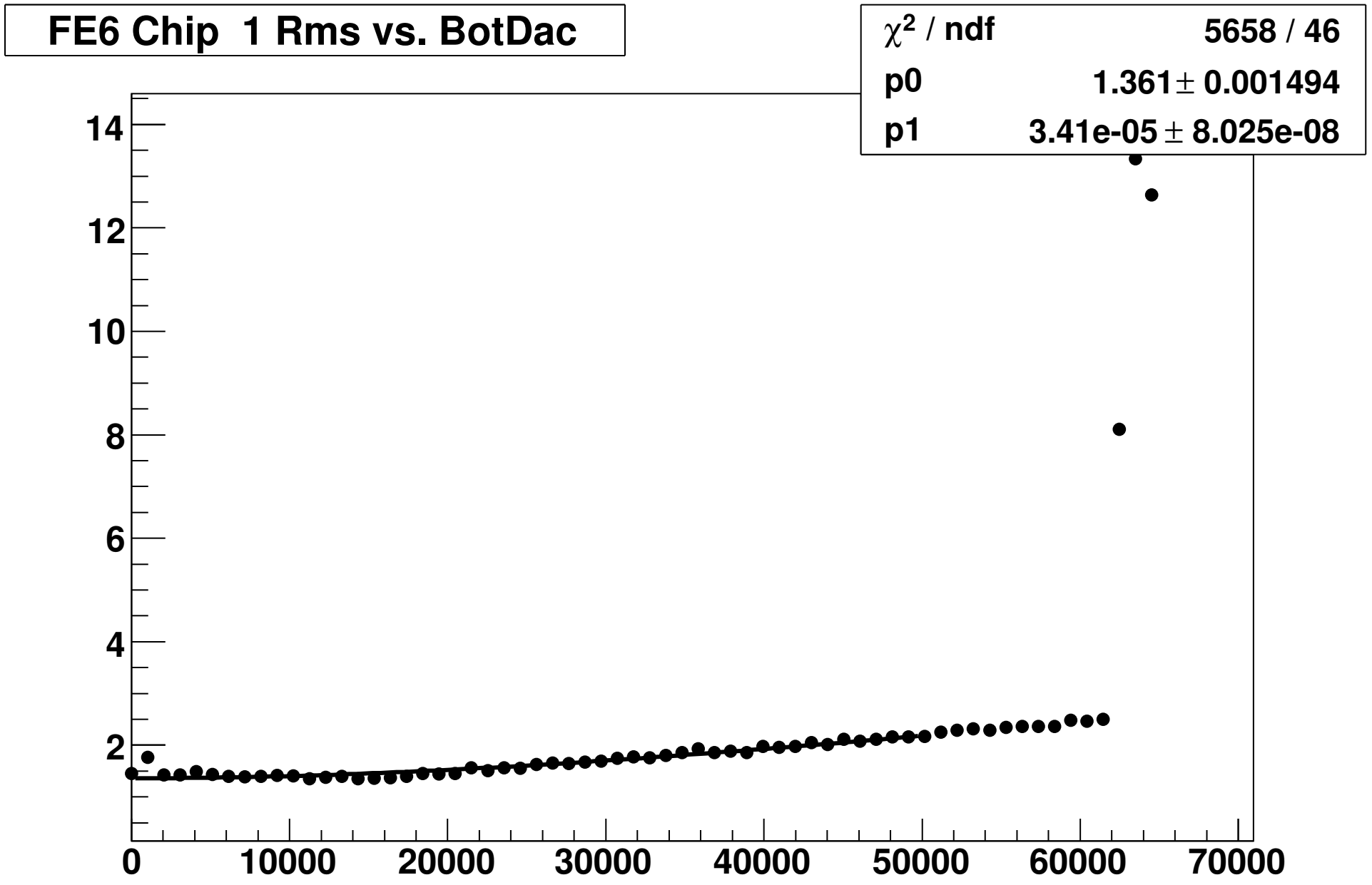

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.003e+06 / 46
p0 52.06 ± 0.002752
p1 0.4494 ± 1.084e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

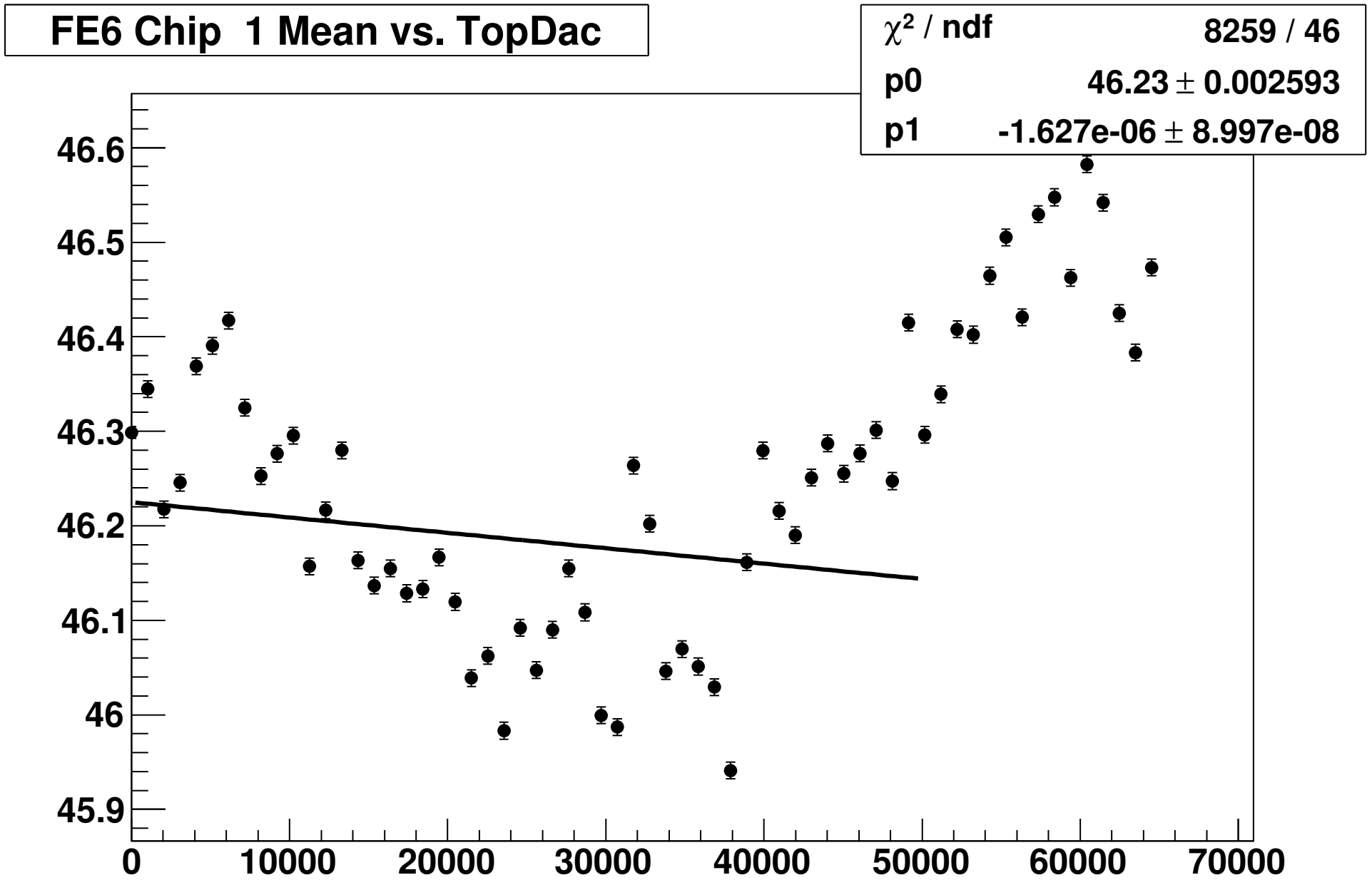

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 1.919e+04 / 46
p0 1.381 ± 0.00152
p1 3.384e-05 ± 8.204e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

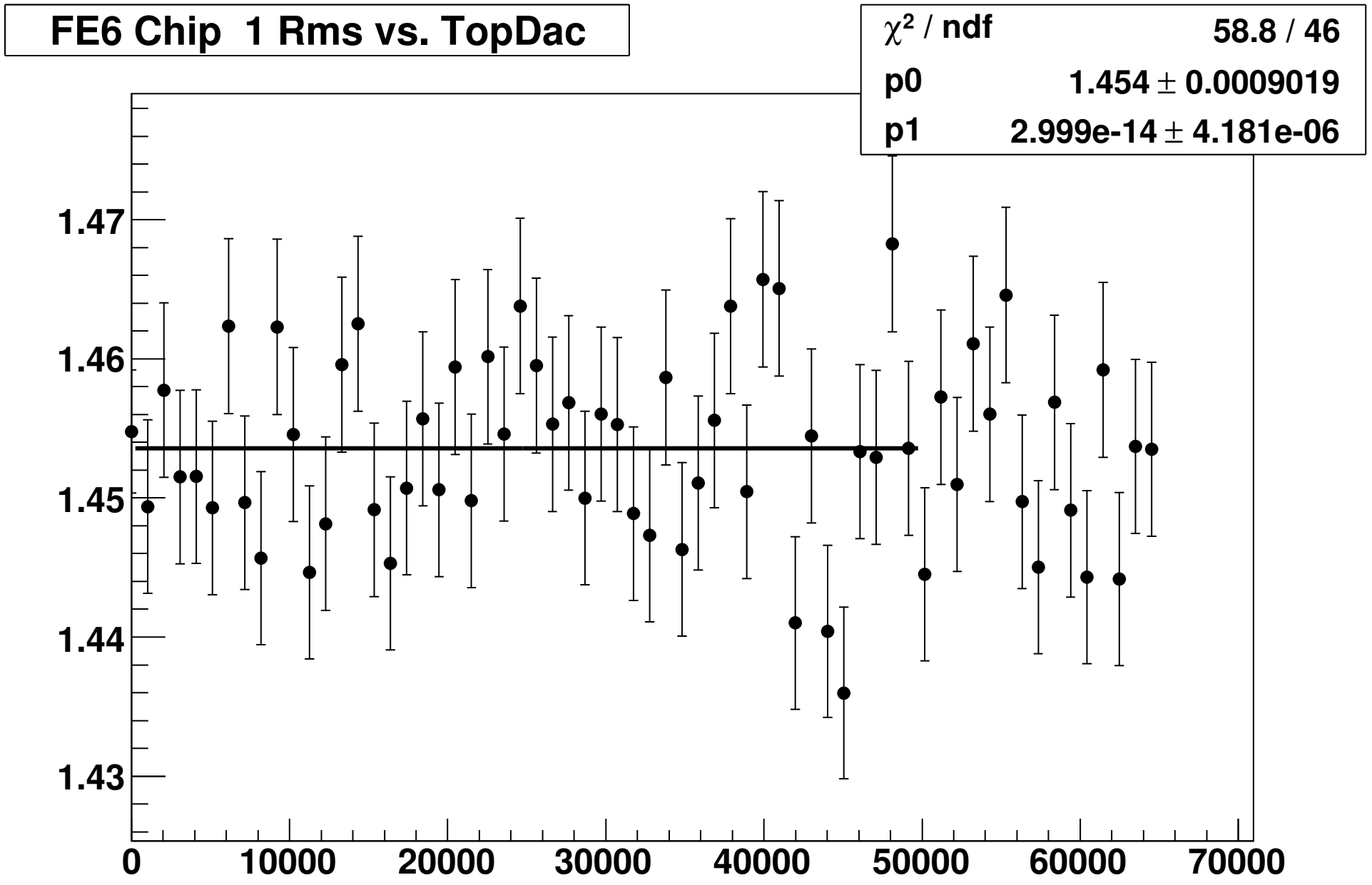

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 8410 / 46
p0 50.18 ± 0.002704
p1 -1.693e-06 ± 9.379e-08
50.6
50.5
50.4
50.3
50.2
50.1
50
49.9
49.8
0
10000
20000
30000
40000
50000
60000
70000

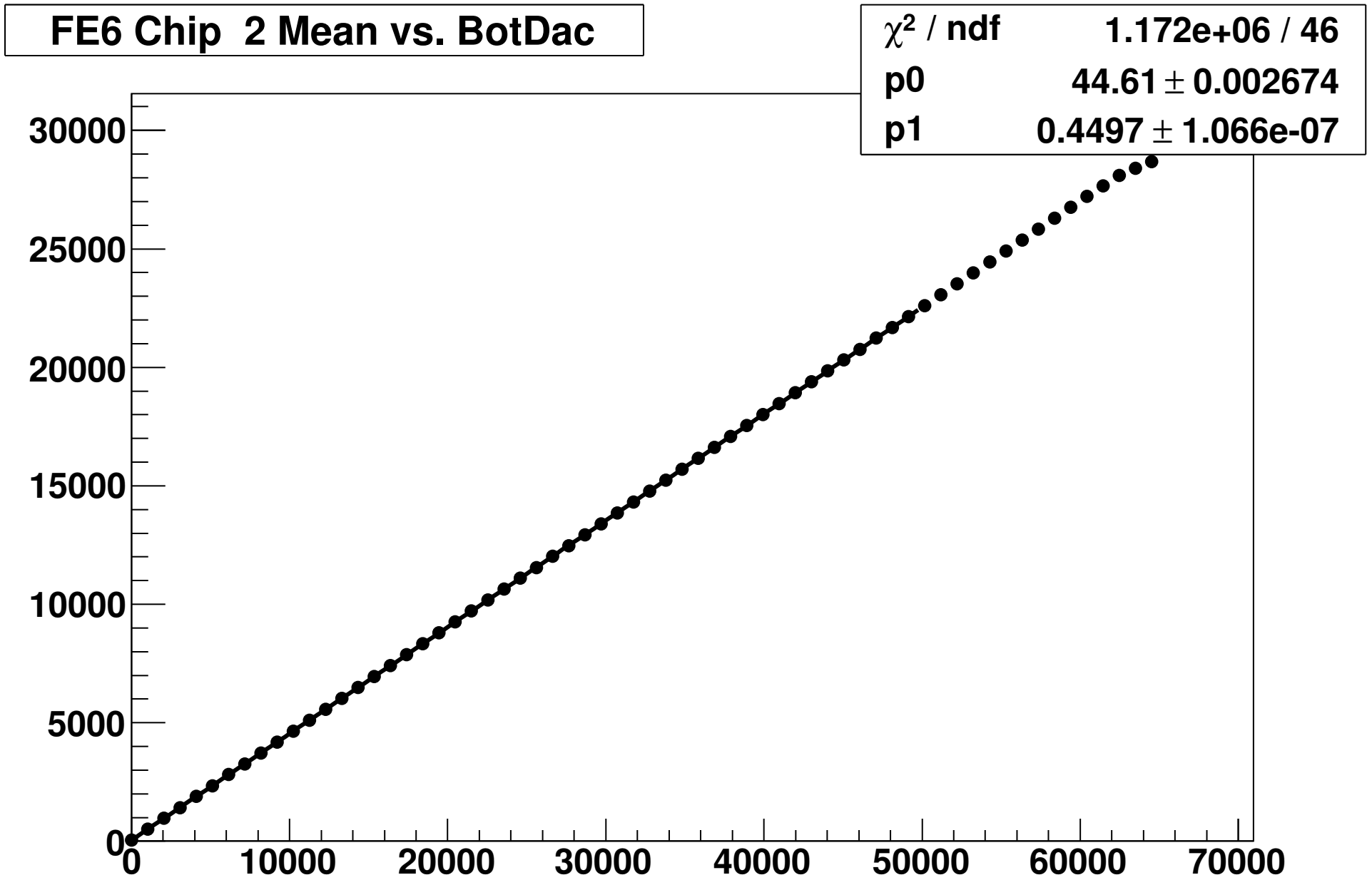

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 125.5 / 46
p0 1.519 ± 0.0009444
p1 -1.515e-14 ± 2.998e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

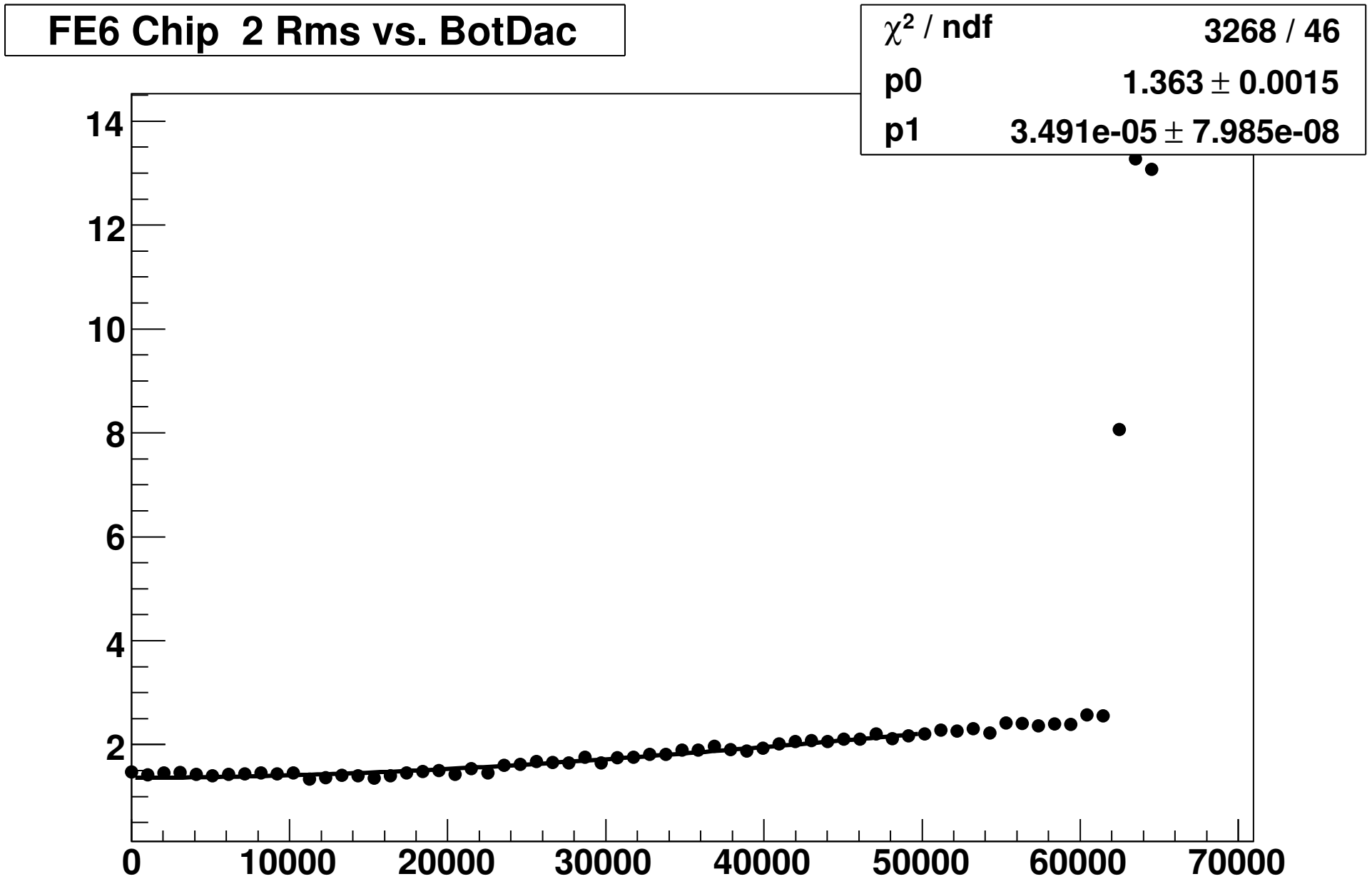

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.038e+06 / 46
p0 48.51 ± 0.002691
p1 0.4494 ± 1.068e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

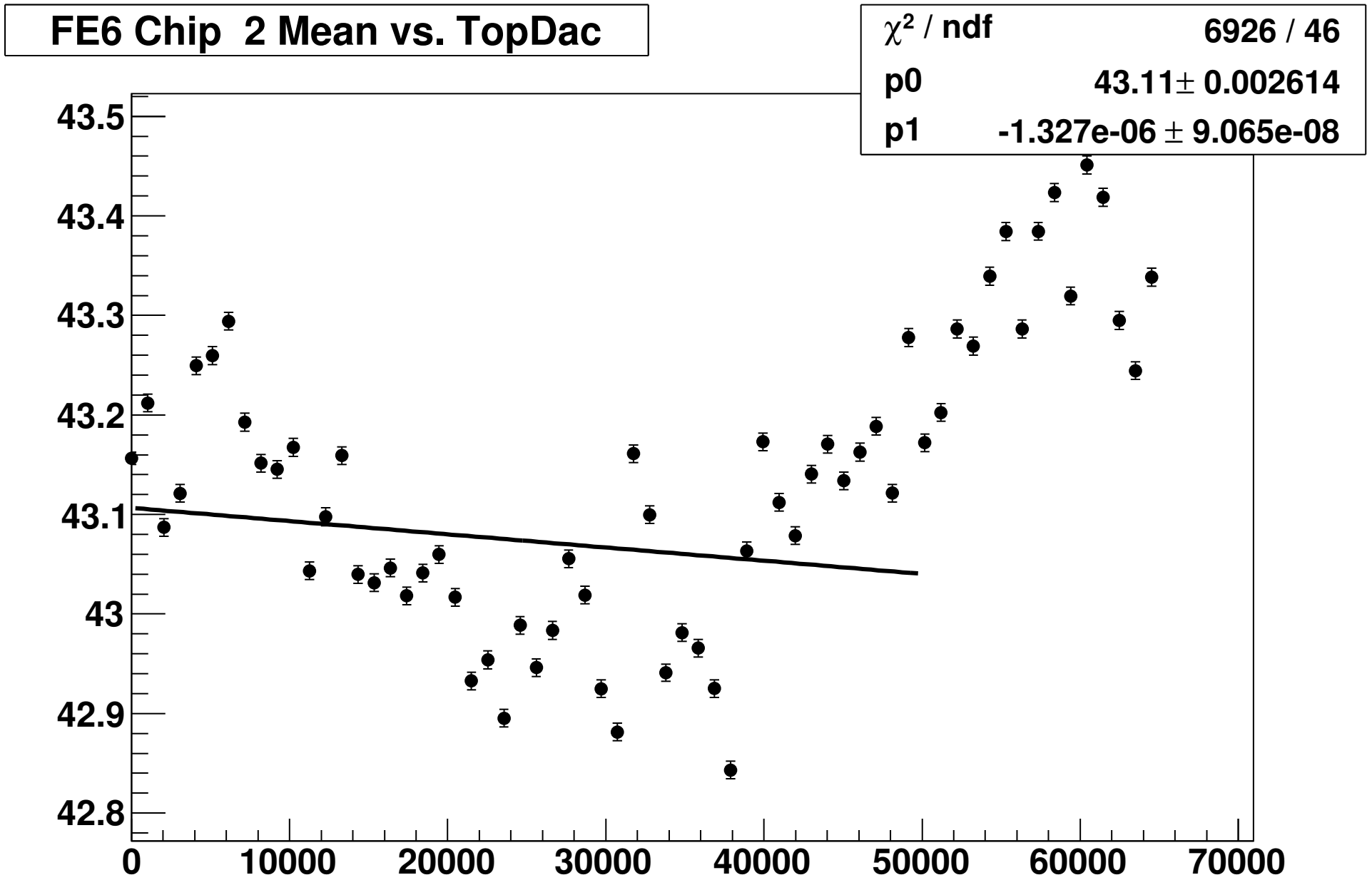

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 5658 / 46
p0 1.361 ± 0.001494
p1 3.41e-05 ± 8.025e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 8259 / 46
p0 46.23 ± 0.002593
p1 -1.627e-06 ± 8.997e-08
46.6
46.5
46.4
46.3
46.2
46.1
46
45.9
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 58.8 / 46
p0 1.454 ± 0.0009019
p1 2.999e-14 ± 4.181e-06
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.172e+06 / 46
p0 44.61 ± 0.002674
p1 0.4497 ± 1.066e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 3268 / 46
p0 1.363 ± 0.0015
p1 3.491e-05 ± 7.985e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 6926 / 46
p0 43.11 ± 0.002614
p1 -1.327e-06 ± 9.065e-08
43.5
43.4
43.3
43.2
43.1
43
42.9
42.8
0
10000
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30000
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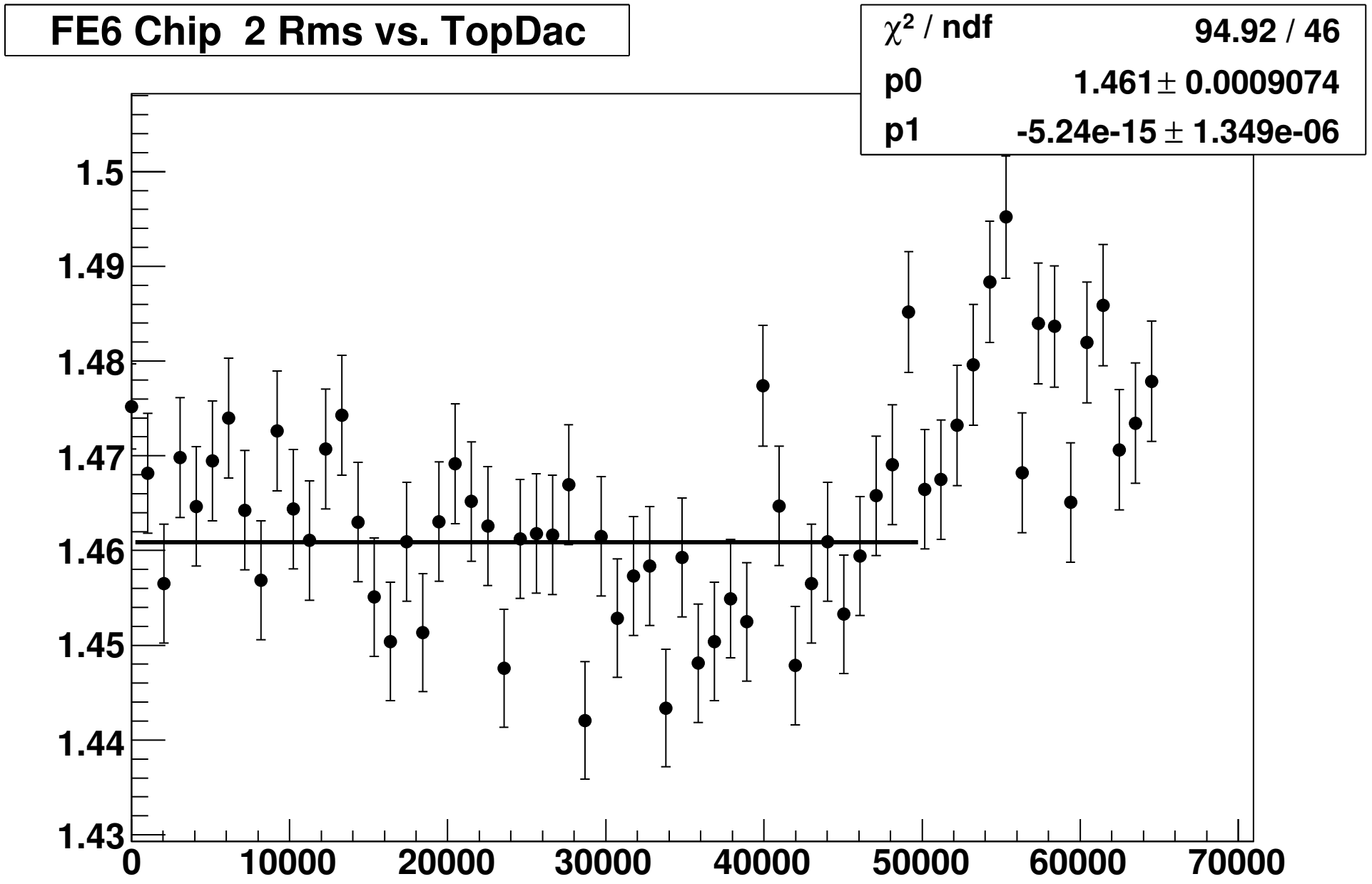
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 94.92 / 46
p0 1.461 ± 0.0009074
p1 -5.24e-15 ± 1.349e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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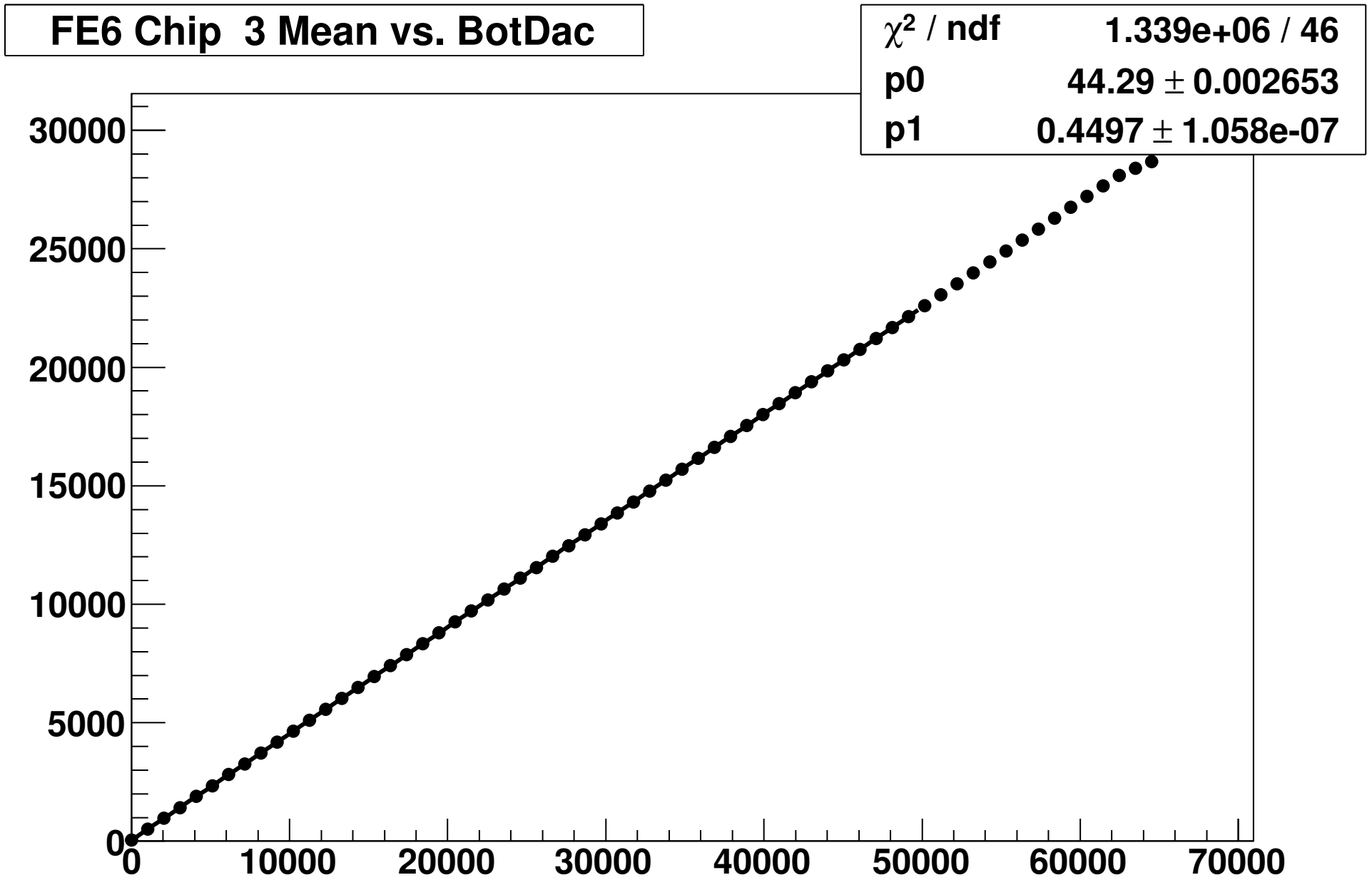
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.339e+06 / 46
p0 44.29 ± 0.002653
p1 0.4497 ± 1.058e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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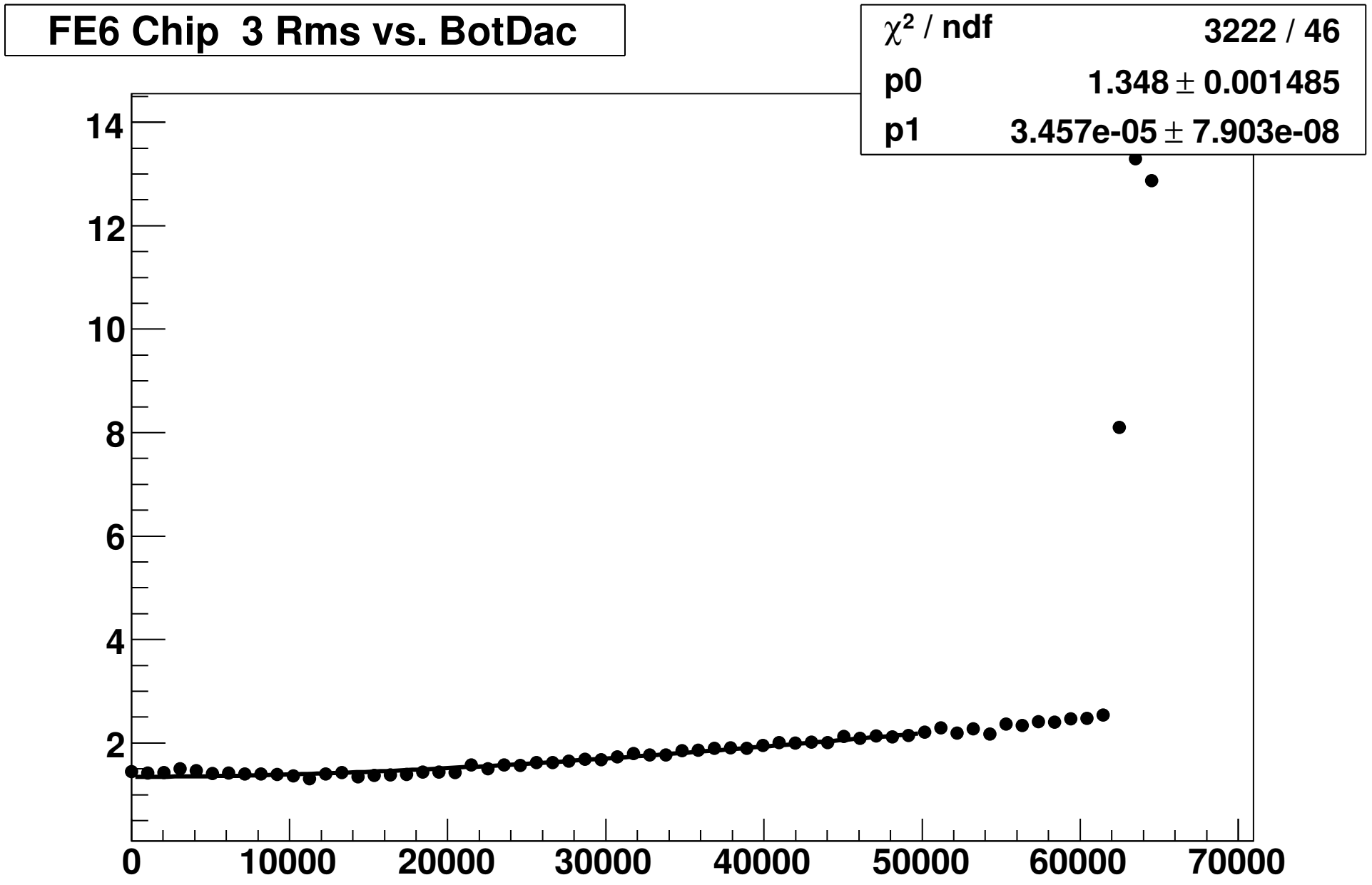
FE6 Chip 3 Rms vs. BotDac
χ² / ndf 3222 / 46
p0 1.348 ± 0.001485
p1 3.457e-05 ± 7.903e-08
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12
10
8
6
4
2
0
10000
20000
30000
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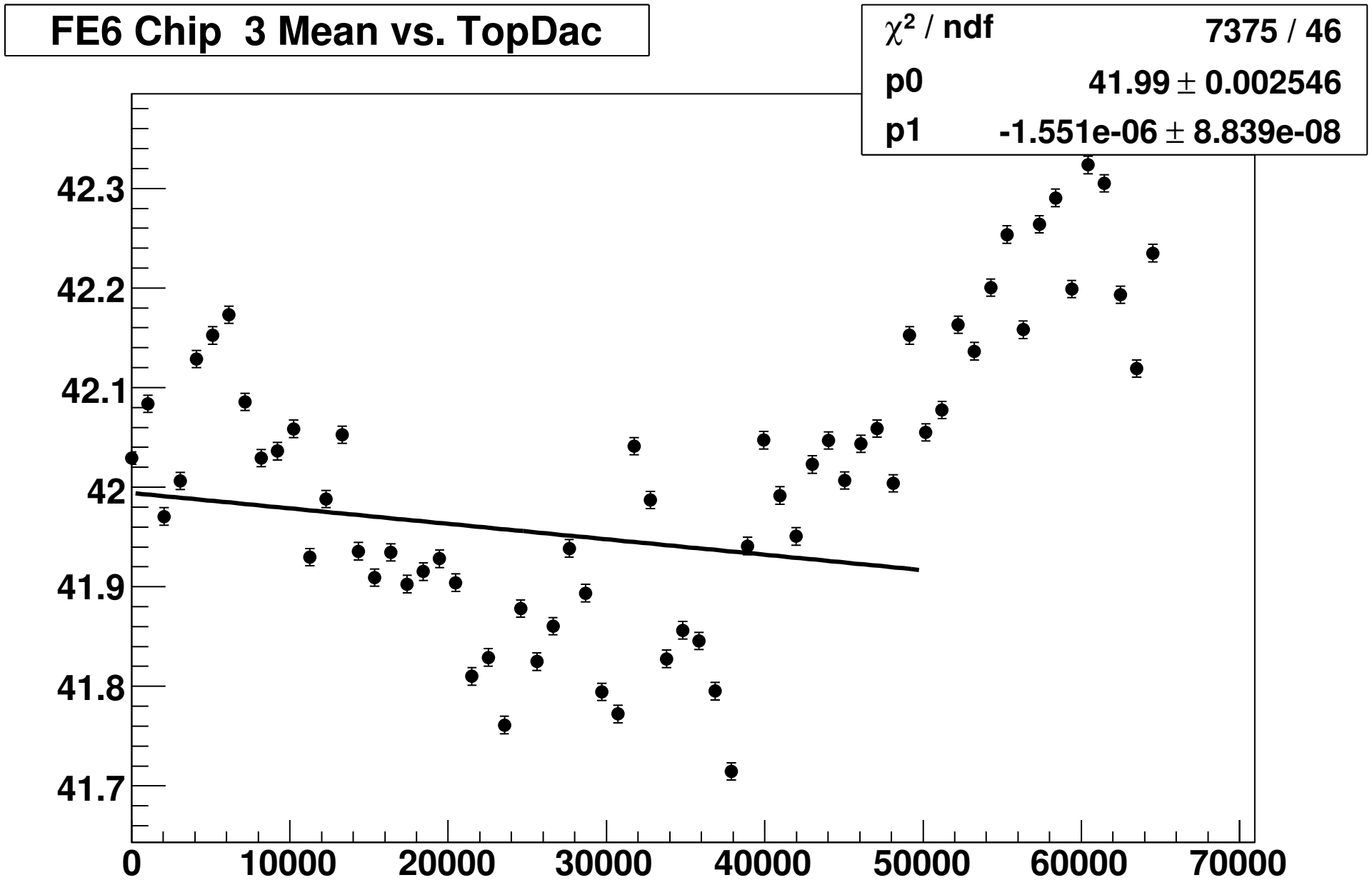
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 7375 / 46
p0 41.99 ± 0.002546
p1 -1.551e-06 ± 8.839e-08
42.3
42.2
42.1
42
41.9
41.8
41.7
0
10000
20000
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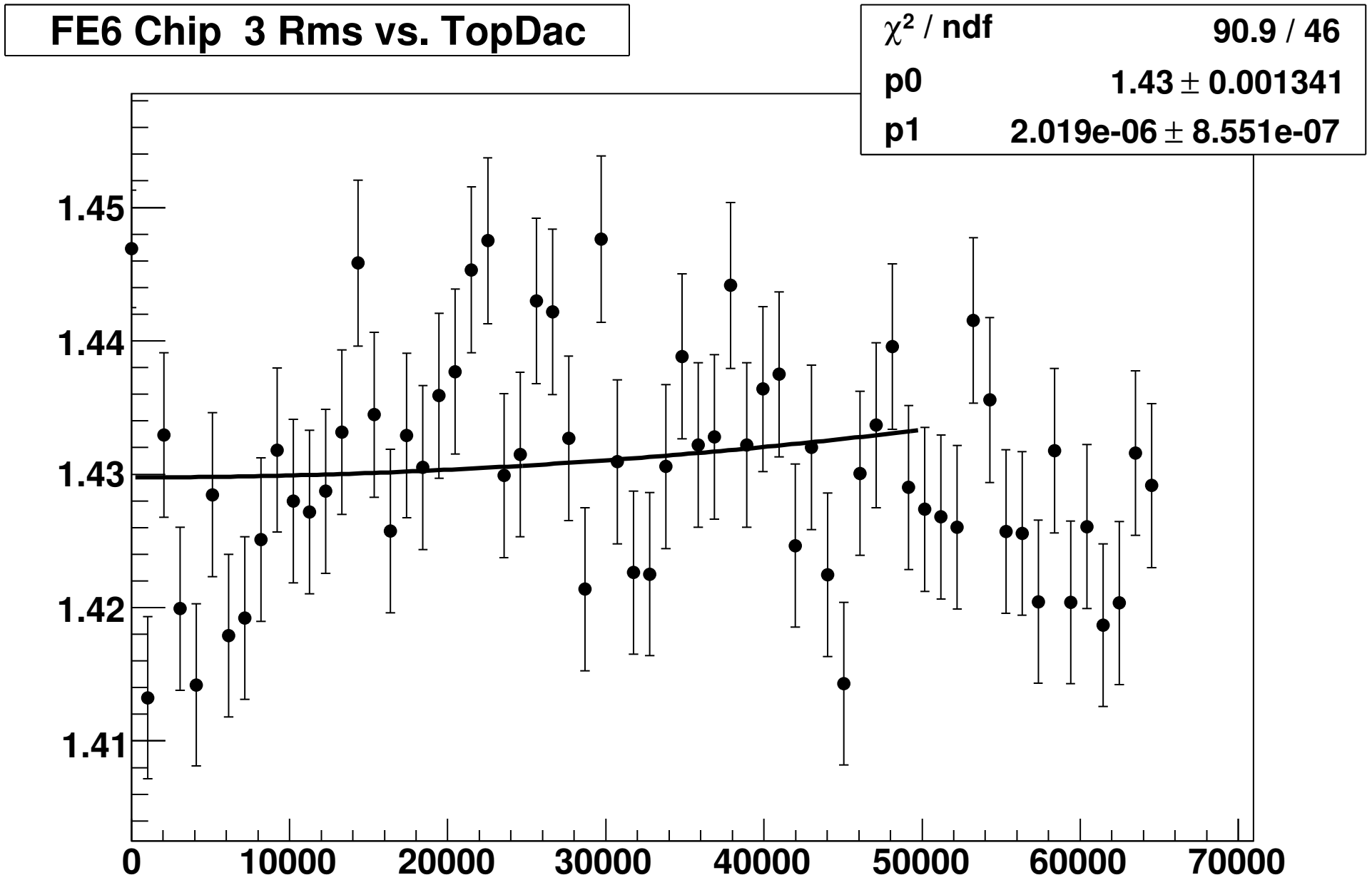
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 90.9 / 46
p0 1.43 ± 0.001341
p1 2.019e-06 ± 8.551e-07
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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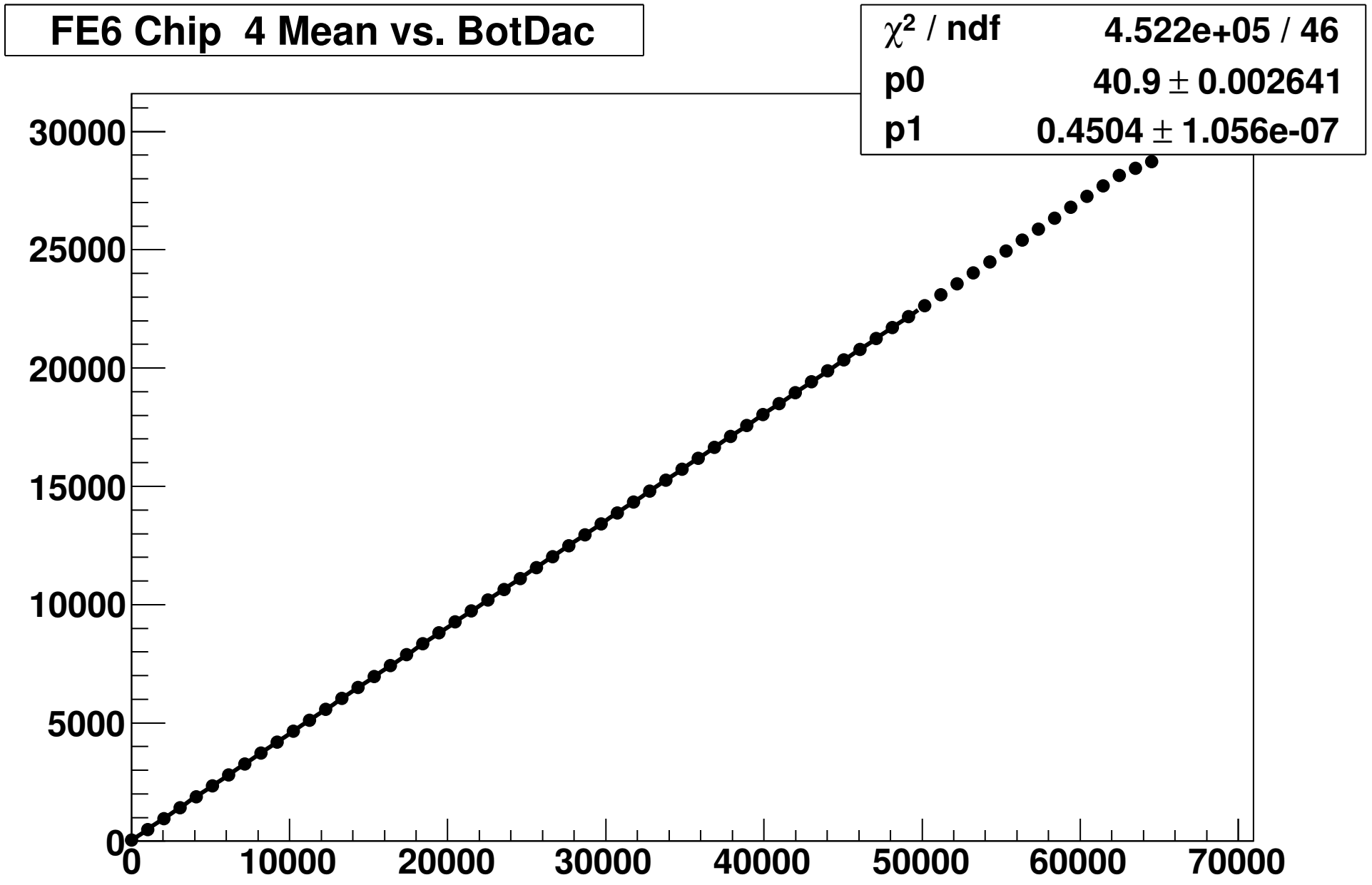
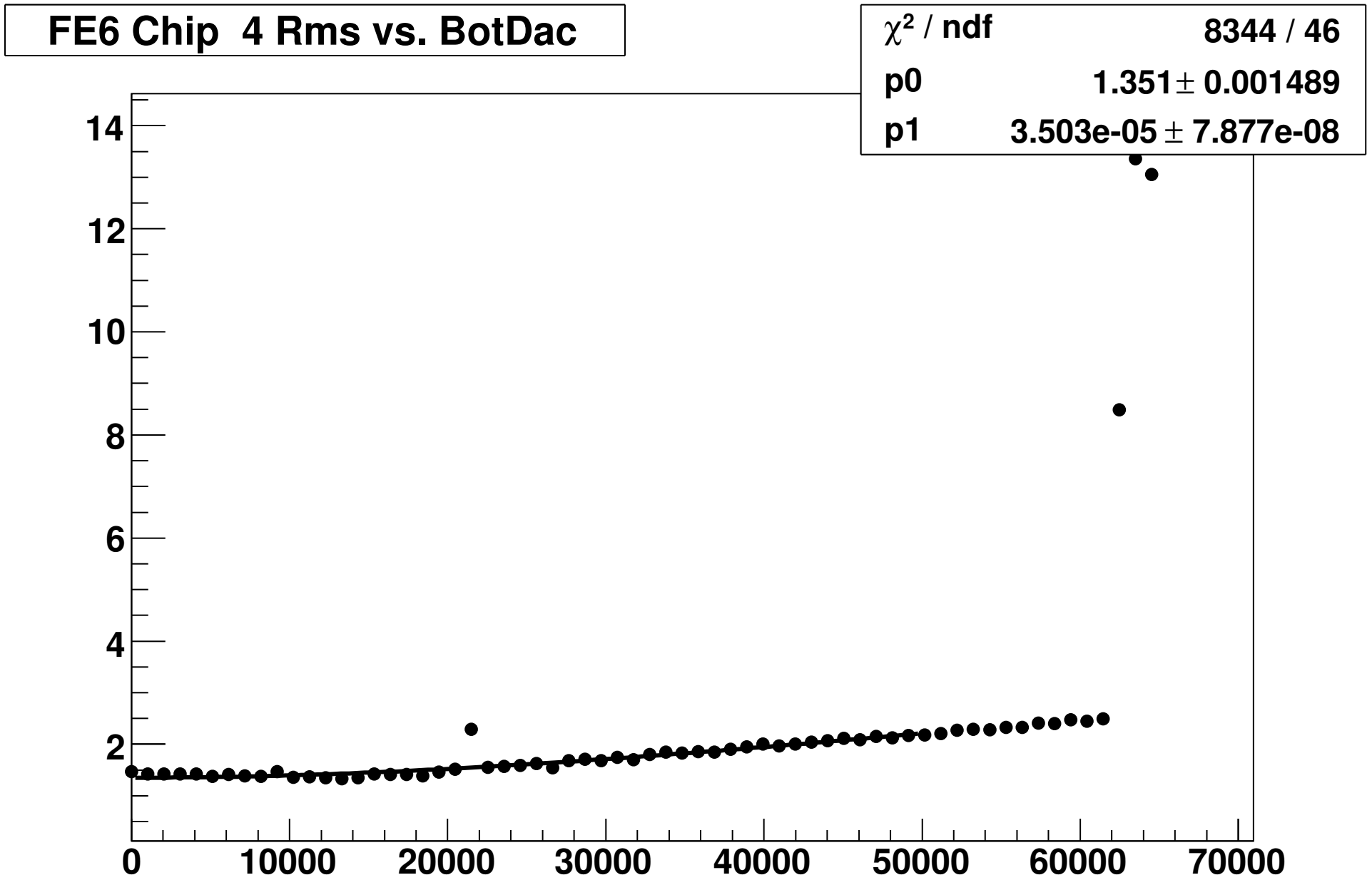
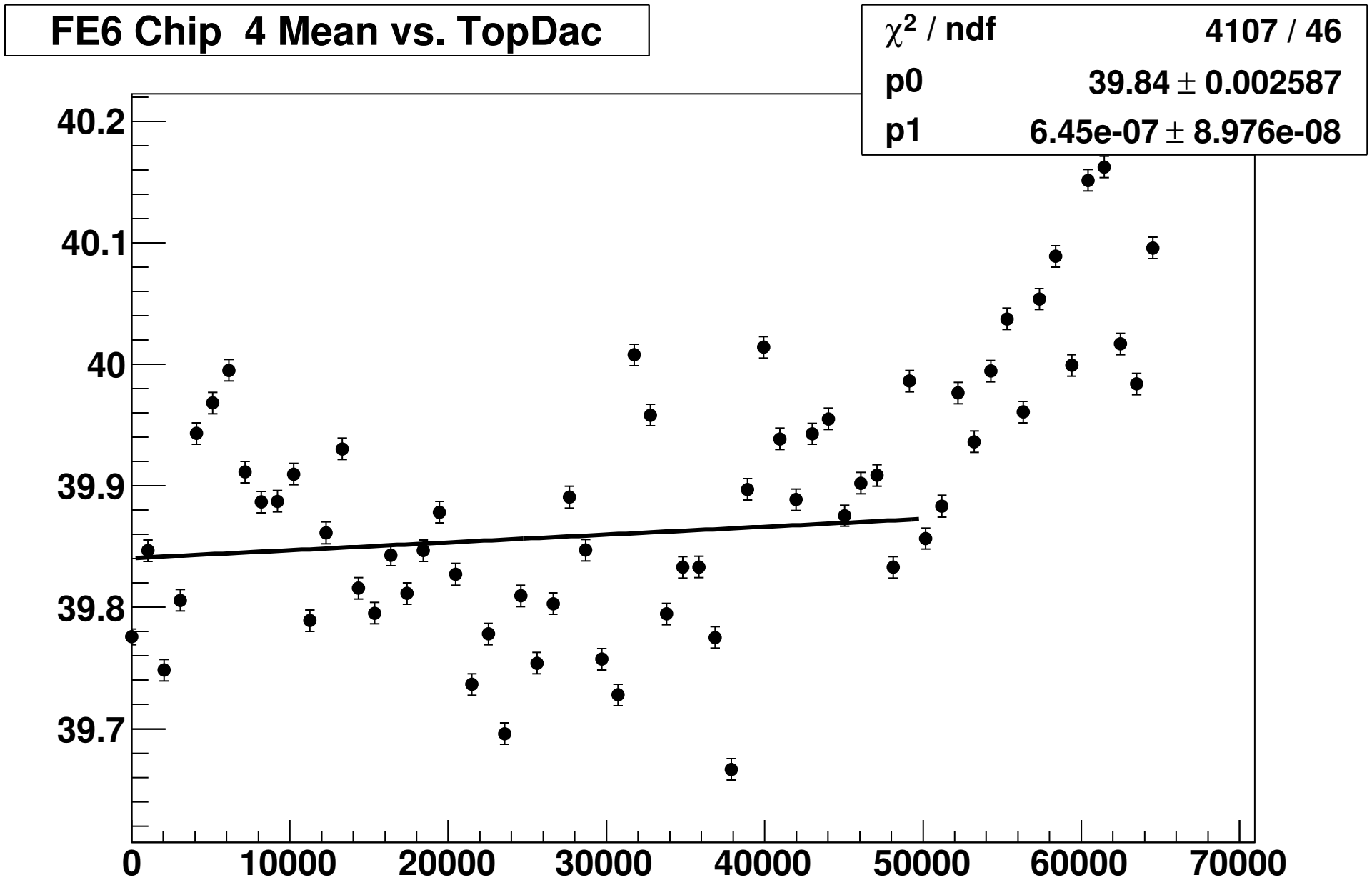

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 4.522e+05 / 46
p0 40.9 ± 0.002641
p1 0.4504 ± 1.056e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 8344 / 46
p0 1.351 ± 0.001489
p1 3.503e-05 ± 7.877e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 4107 / 46
p0 39.84 ± 0.002587
p1 6.45e-07 ± 8.976e-08
40.2
40.1
40
39.9
39.8
39.7
0
10000
20000
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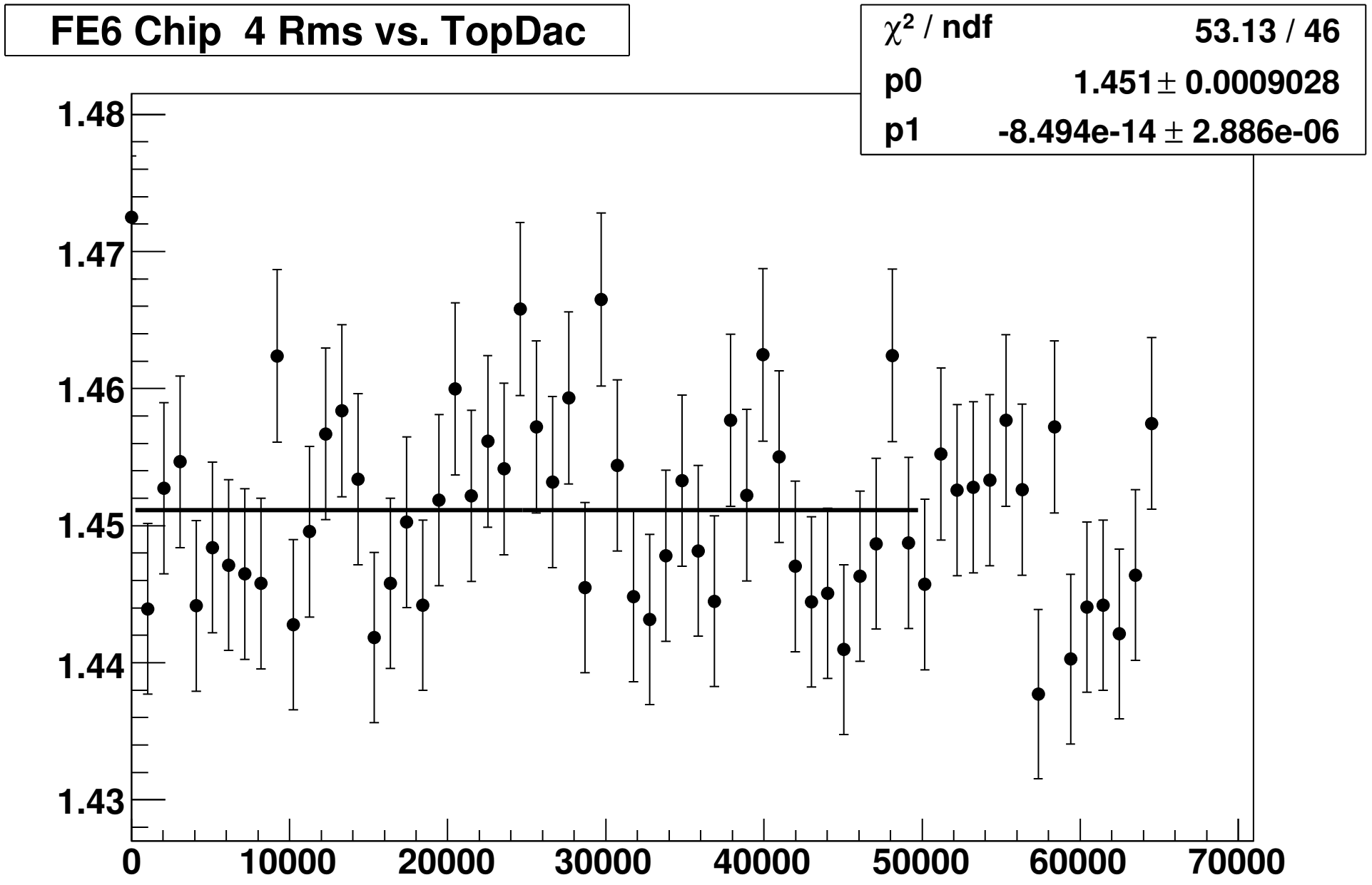
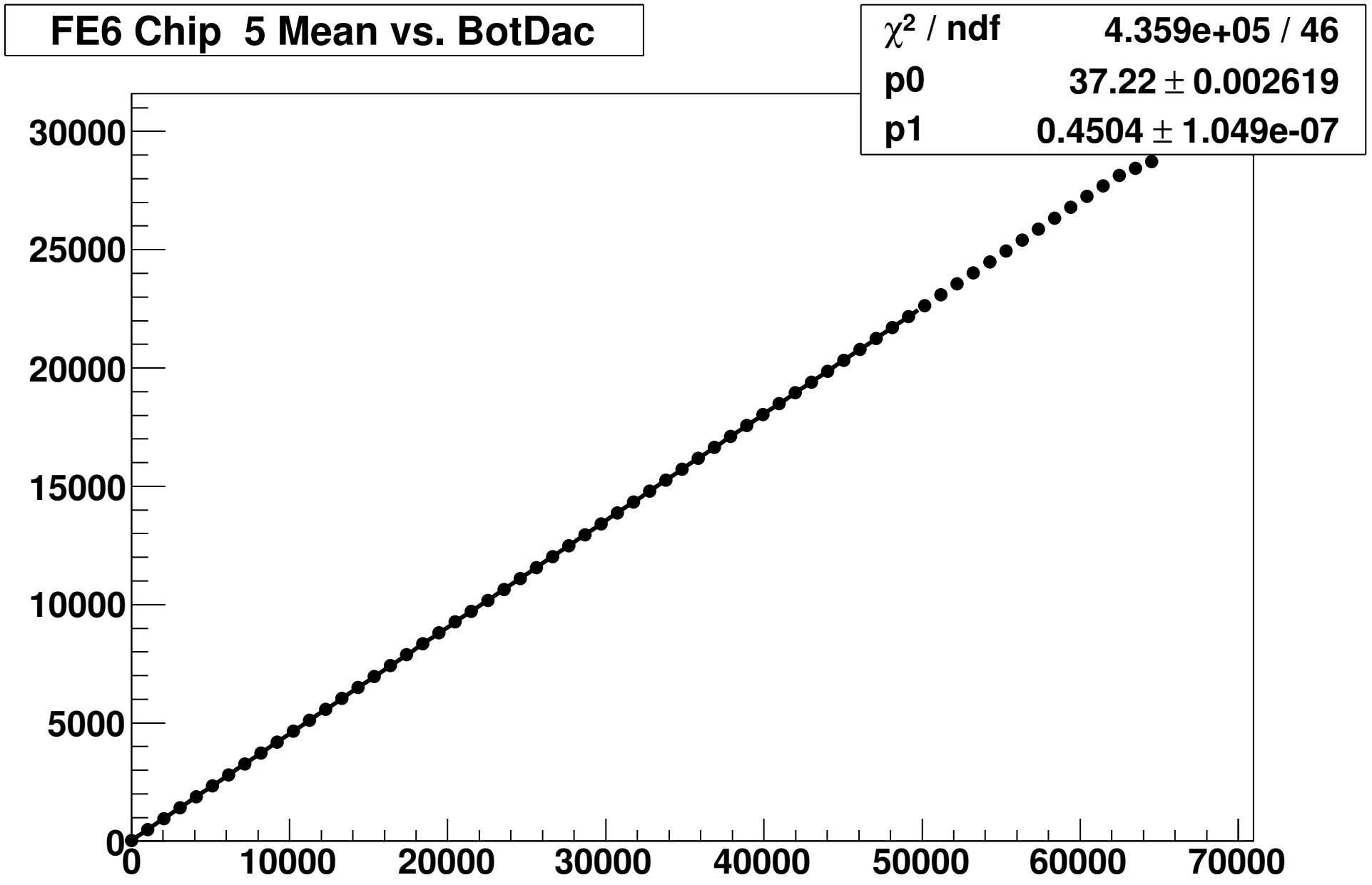
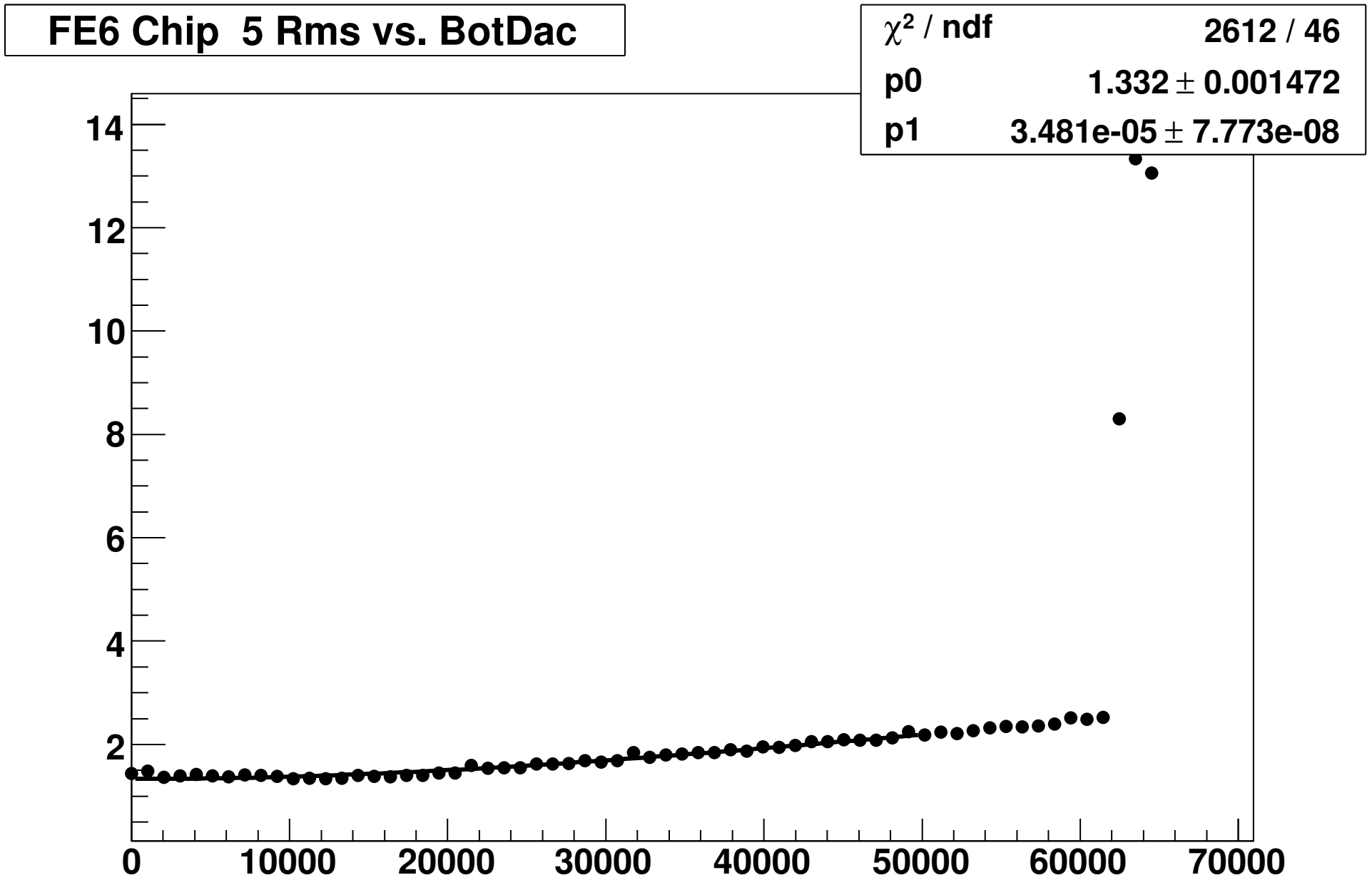
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 53.13 / 46
p0 1.451 ± 0.0009028
p1 -8.494e-14 ± 2.886e-06
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 4.359e+05 / 46
p0 37.22 ± 0.002619
p1 0.4504 ± 1.049e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 2612 / 46
p0 1.332 ± 0.001472
p1 3.481e-05 ± 7.773e-08
14
12
10
8
6
4
2
0
10000
20000
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50000
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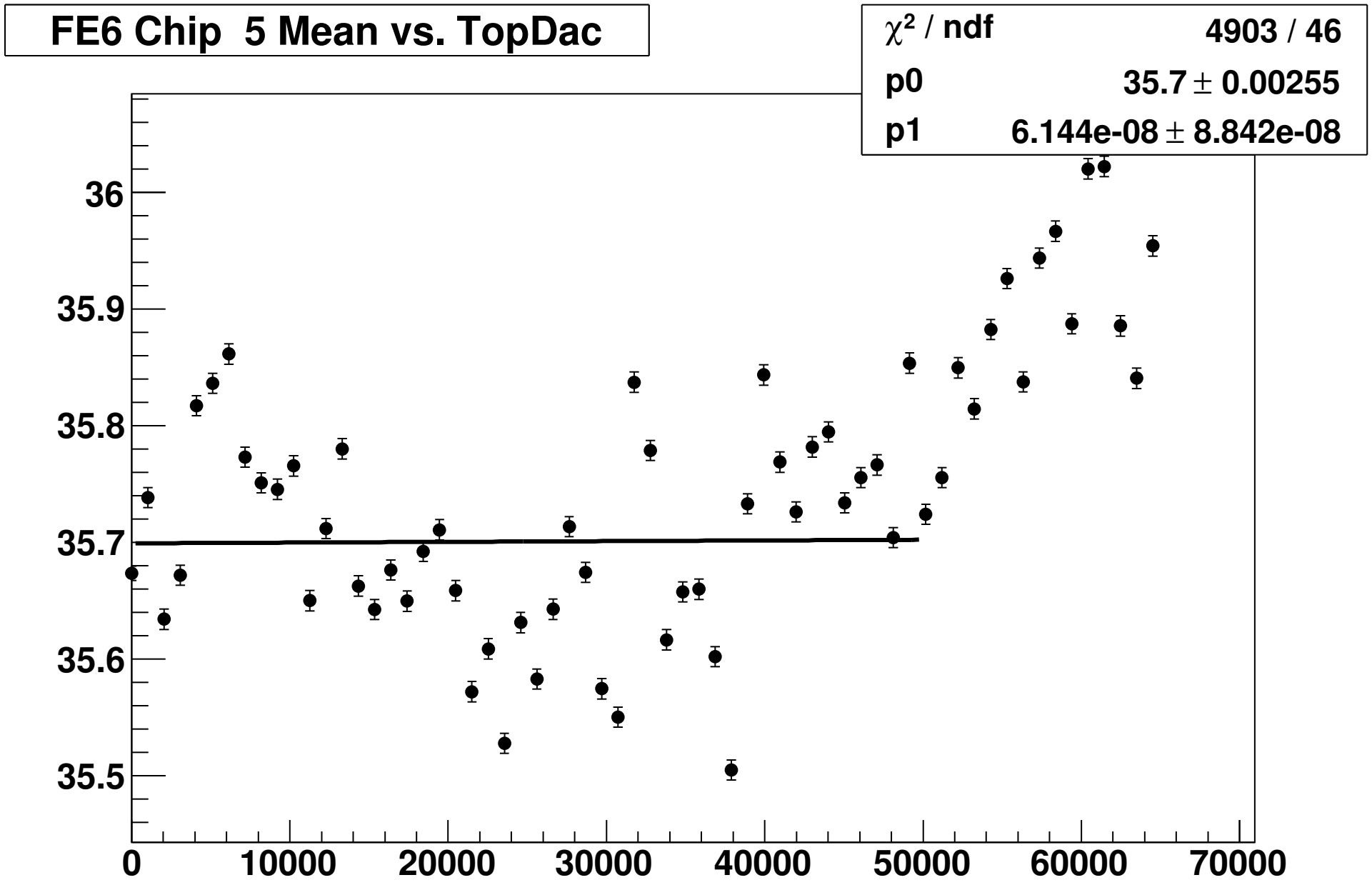
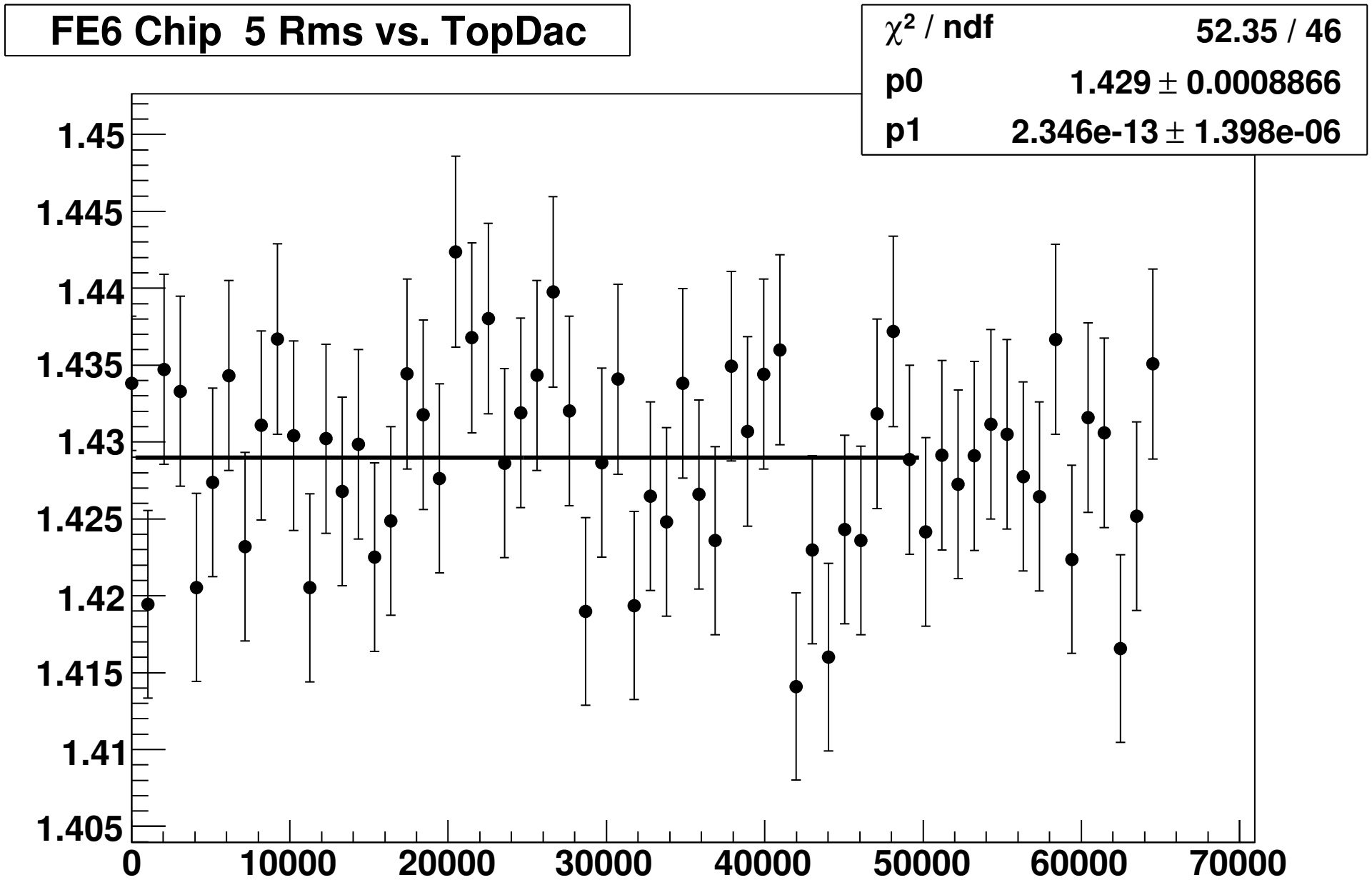

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 4903 / 46
p0 35.7 ± 0.00255
p1 6.144e-08 ± 8.842e-08
36
35.9
35.8
35.7
35.6
35.5
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 52.35 / 46
p0 1.429 ± 0.0008866
p1 2.346e-13 ± 1.398e-06
1.45
1.445
1.44
1.435
1.43
1.425
1.42
1.415
1.41
1.405
0
10000
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50000
60000
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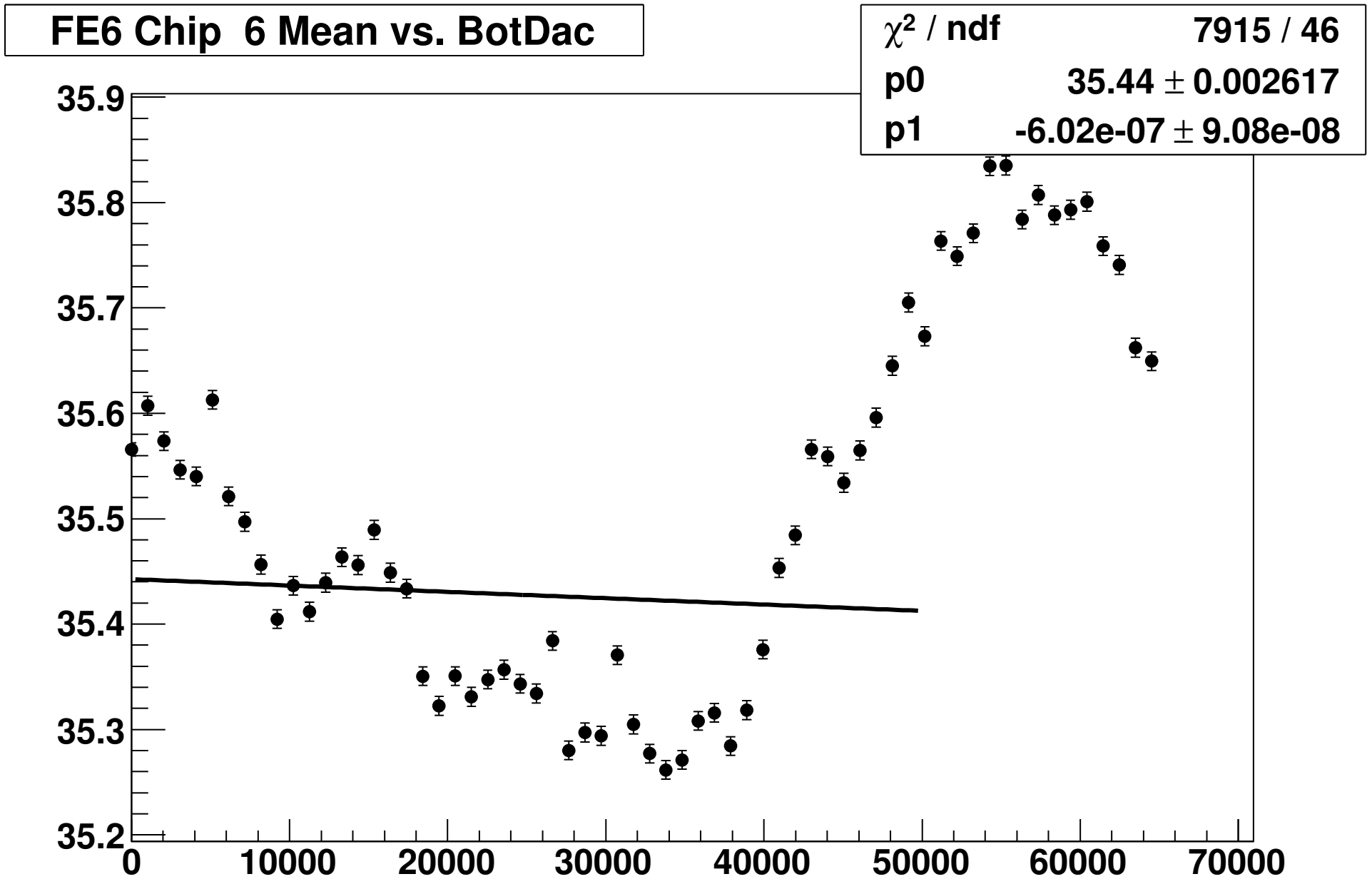
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 7915 / 46
p0 35.44 ± 0.002617
p1 -6.02e-07 ± 9.08e-08
35.9
35.8
35.7
35.6
35.5
35.4
35.3
35.2
0
10000
20000
30000
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50000
60000
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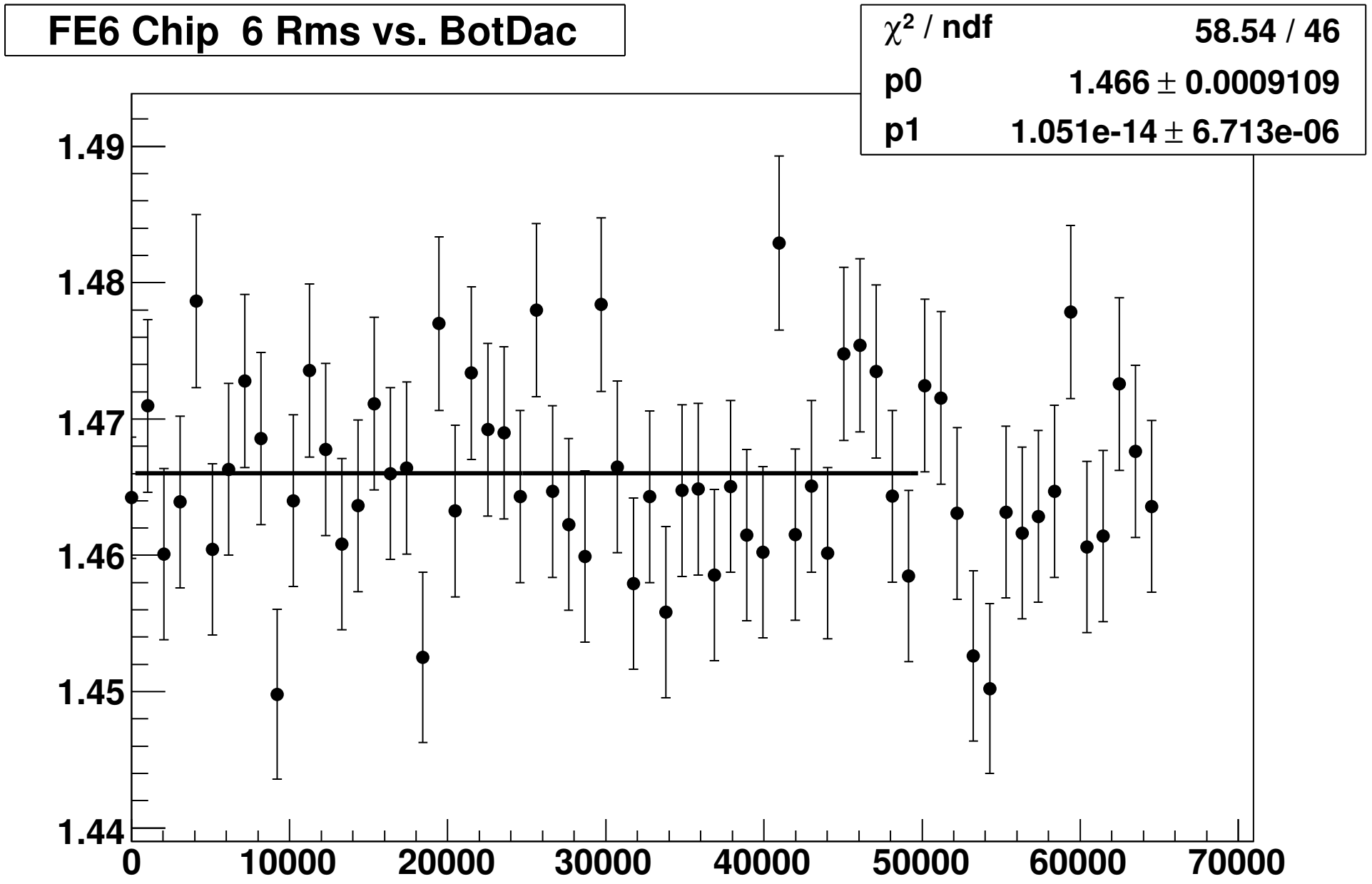
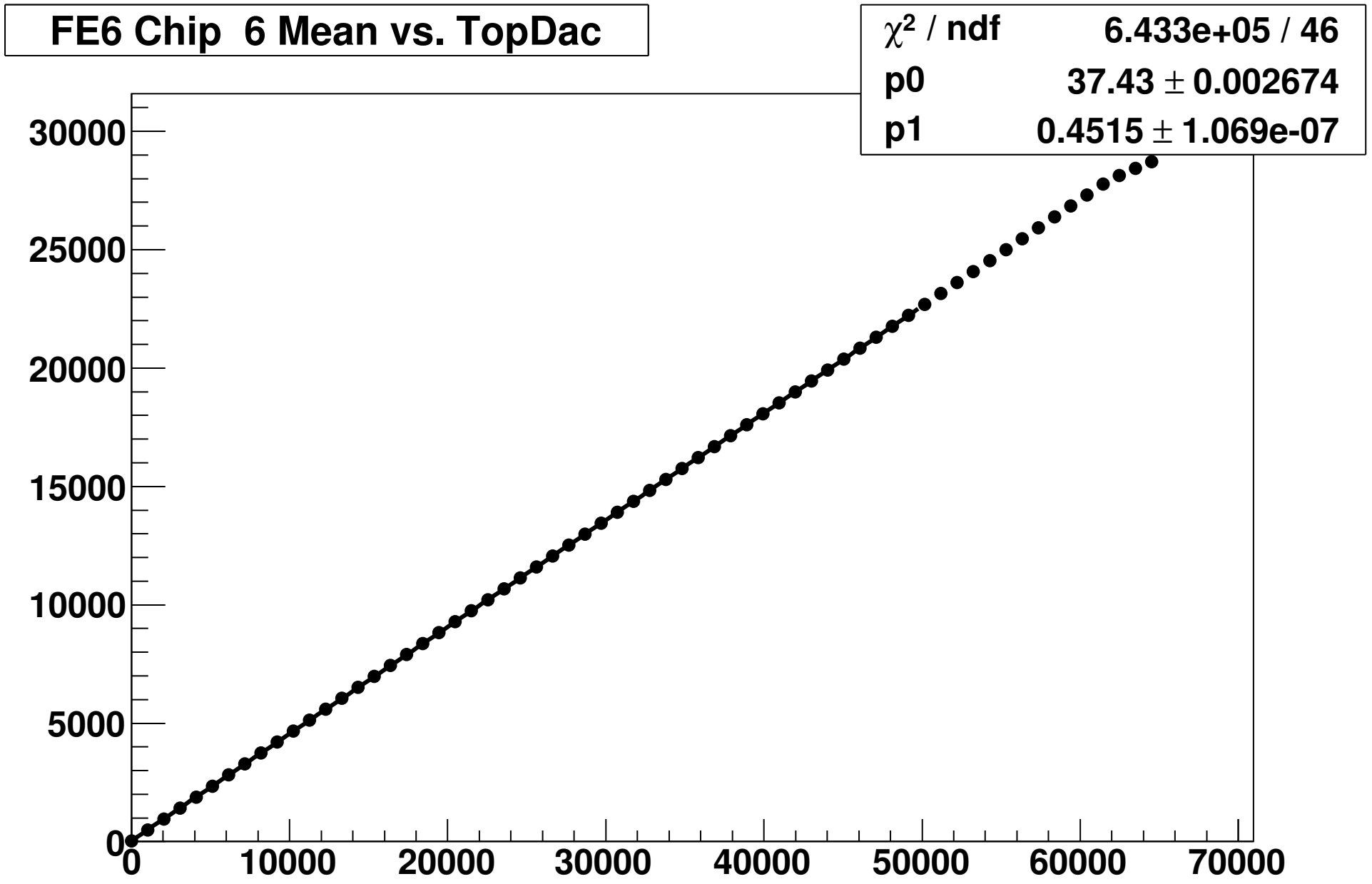
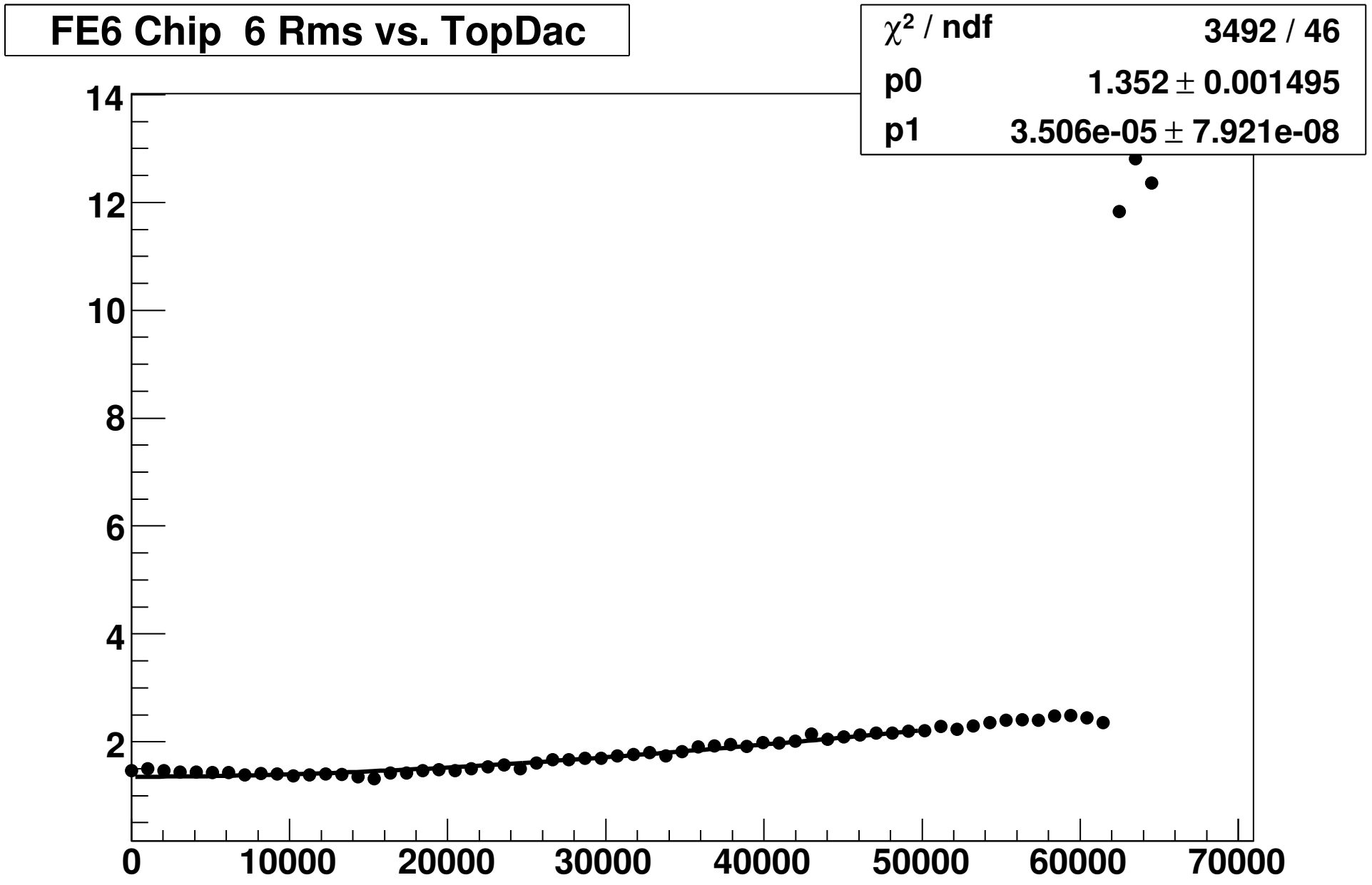
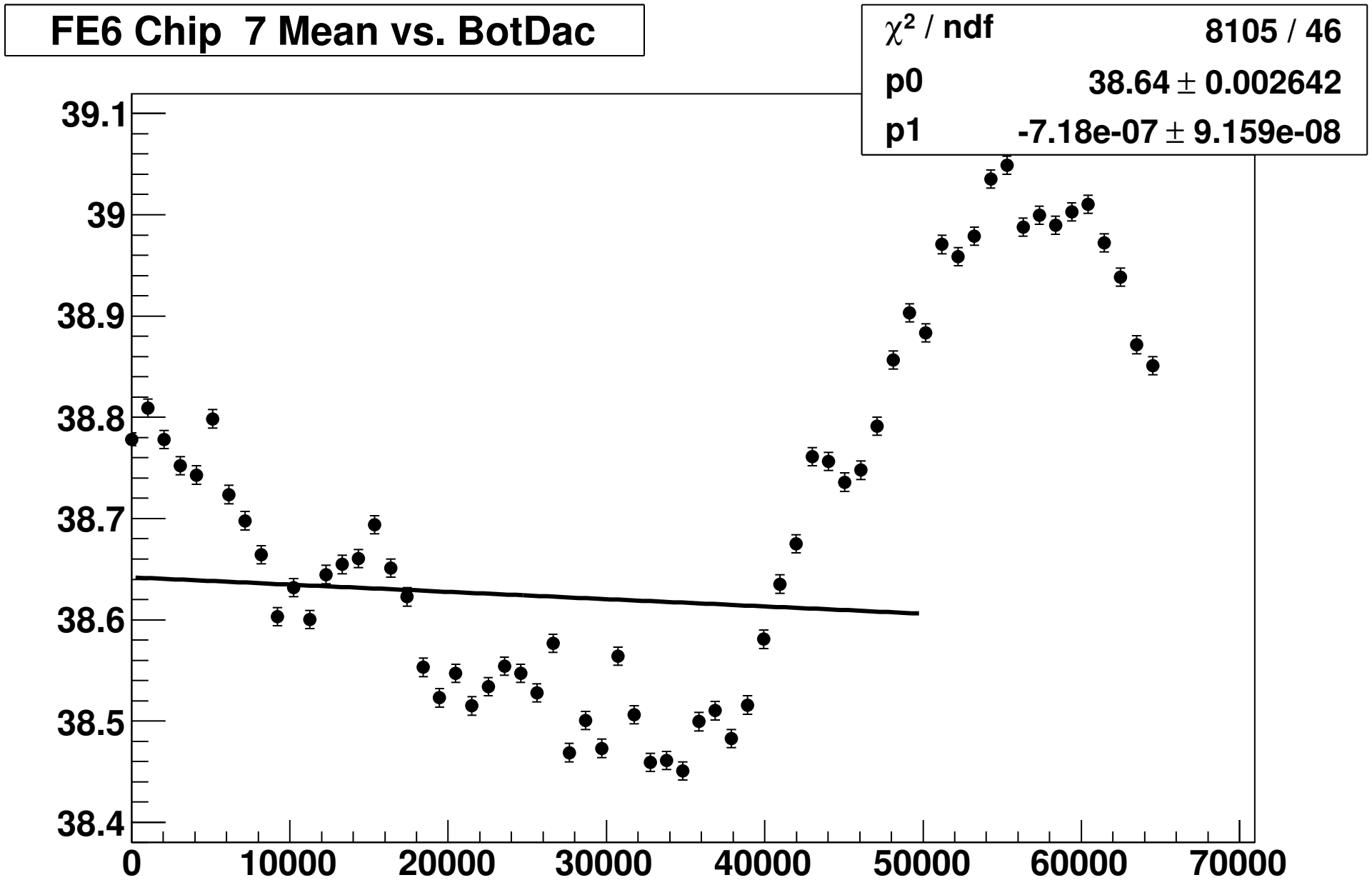
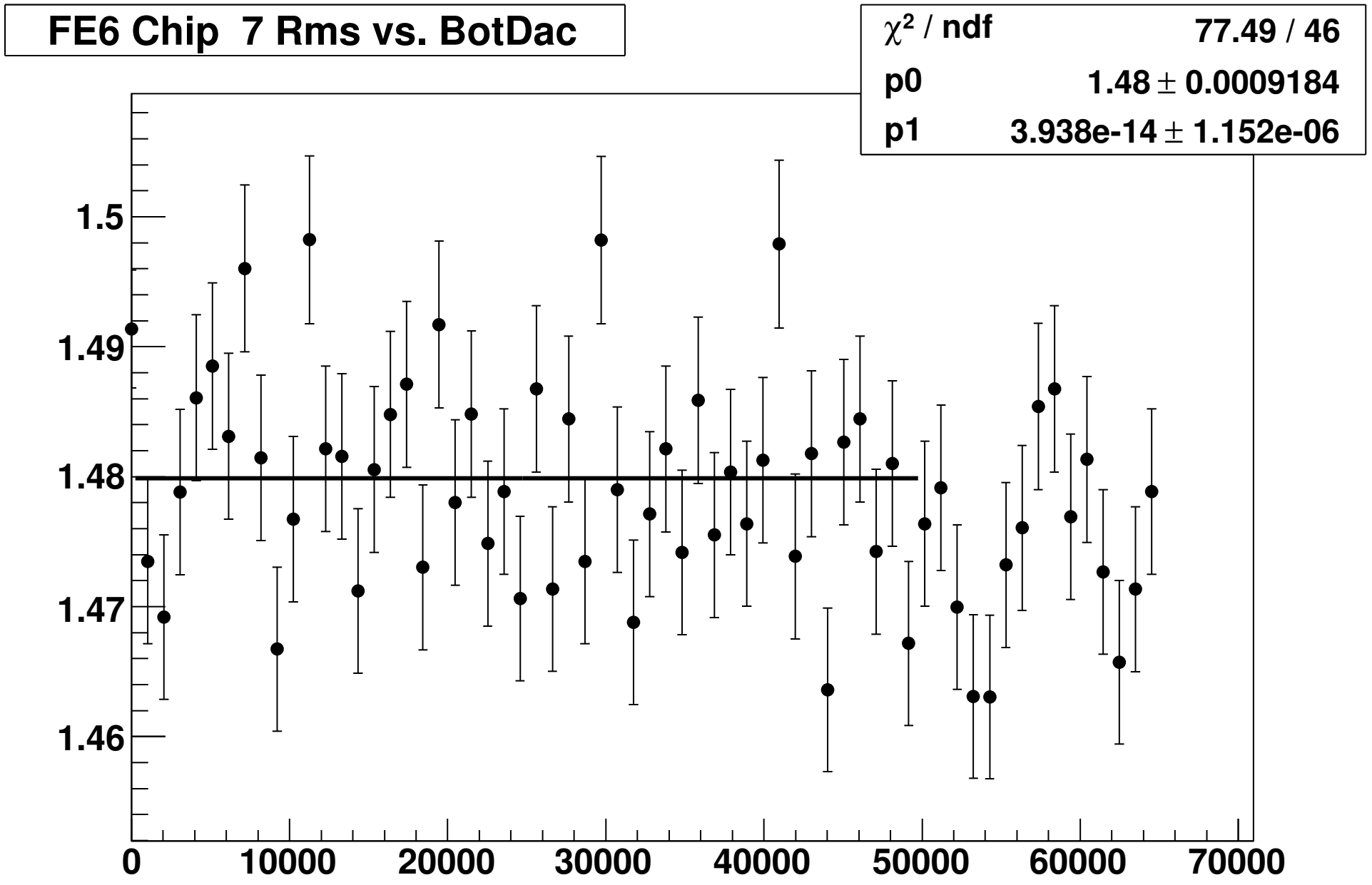

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 58.54 / 46
p0 1.466 ± 0.0009109
p1 1.051e-14 ± 6.713e-06
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 6.433e+05 / 46
p0 37.43 ± 0.002674
p1 0.4515 ± 1.069e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 3492 / 46
p0 1.352 ± 0.001495
p1 3.506e-05 ± 7.921e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 8105 / 46
p0 38.64 ± 0.002642
p1 -7.18e-07 ± 9.159e-08
39.1
39
38.9
38.8
38.7
38.6
38.5
38.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 77.49 / 46
p0 1.48 ± 0.0009184
p1 3.938e-14 ± 1.152e-06
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
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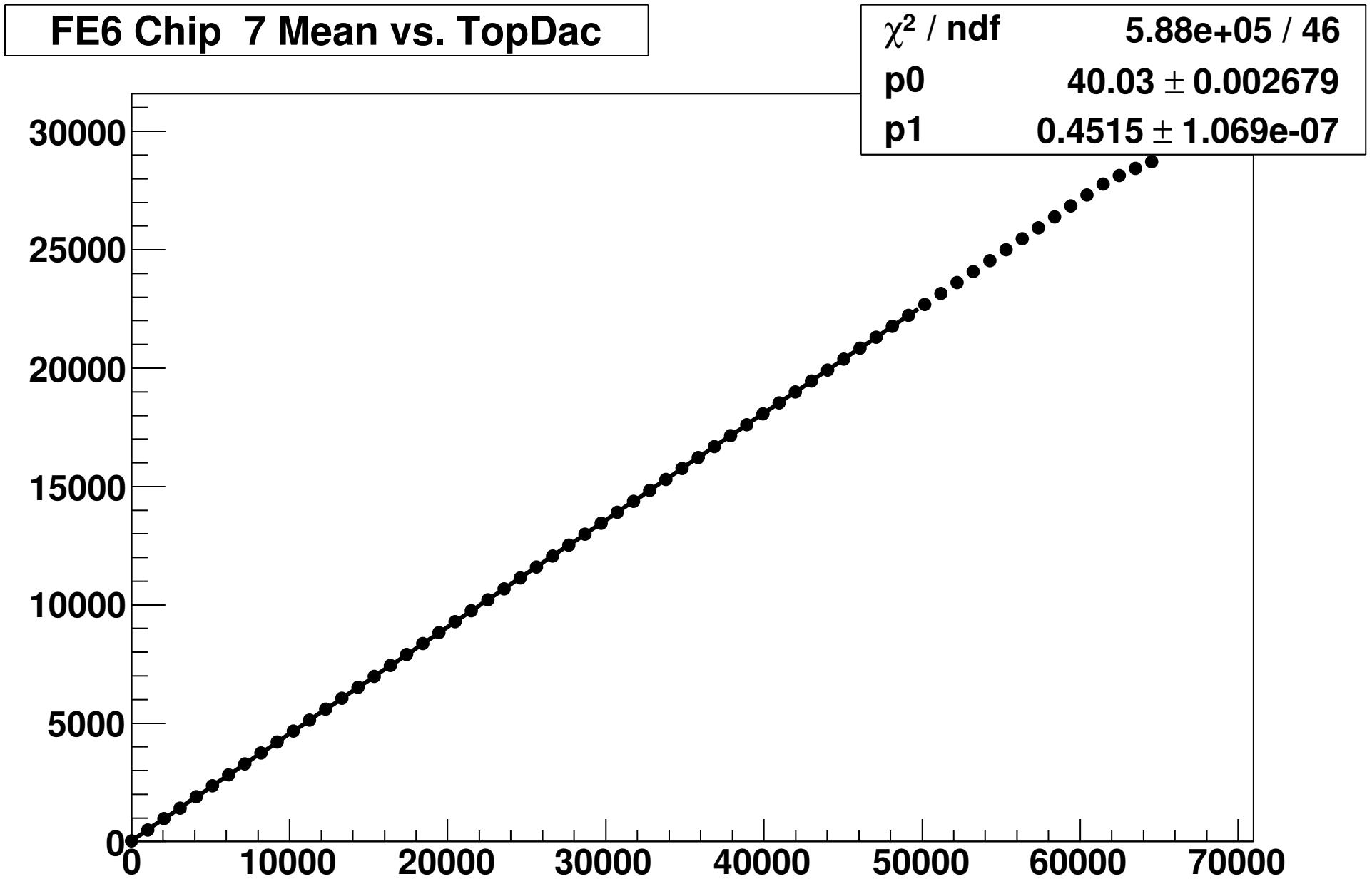
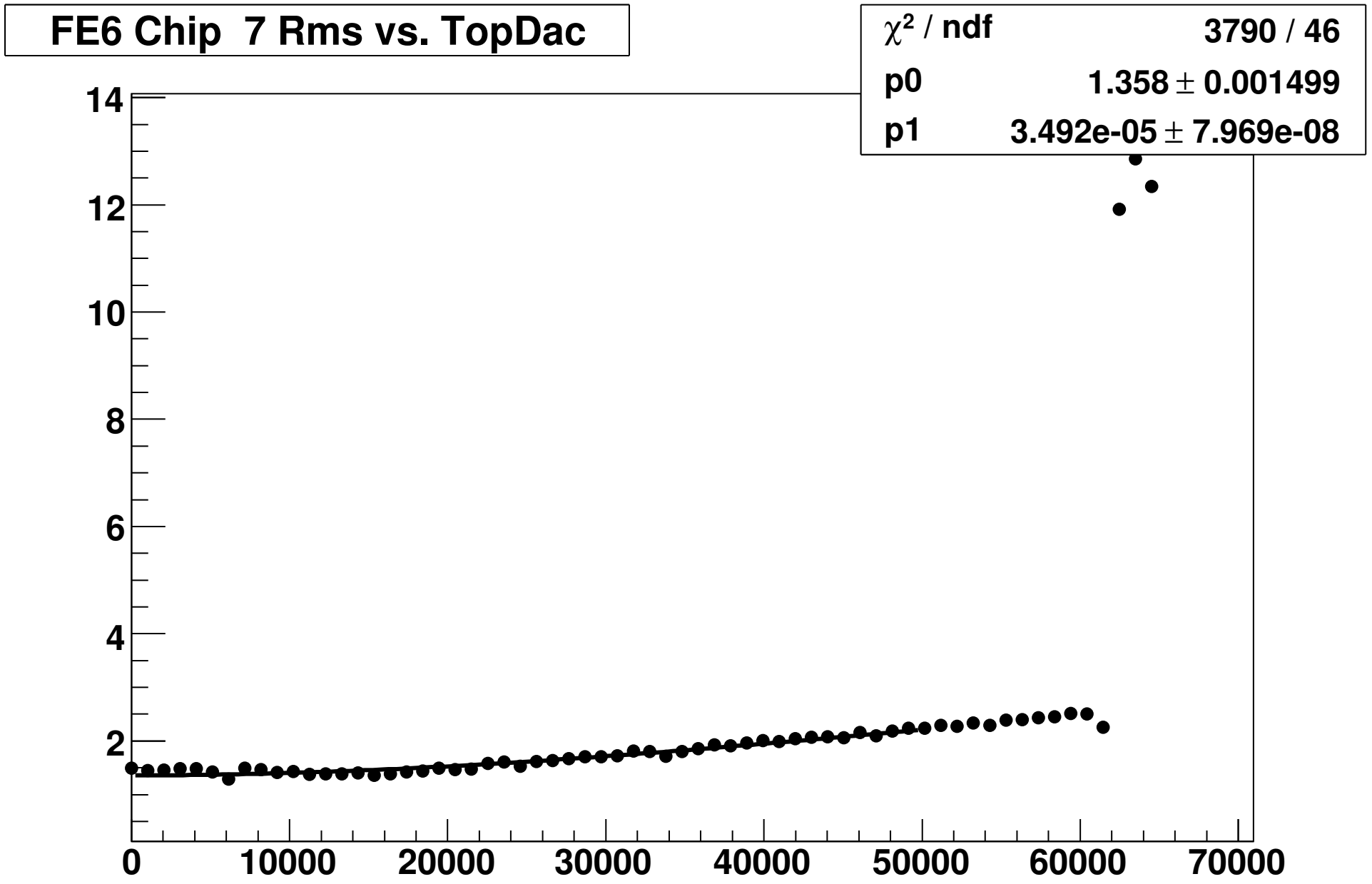
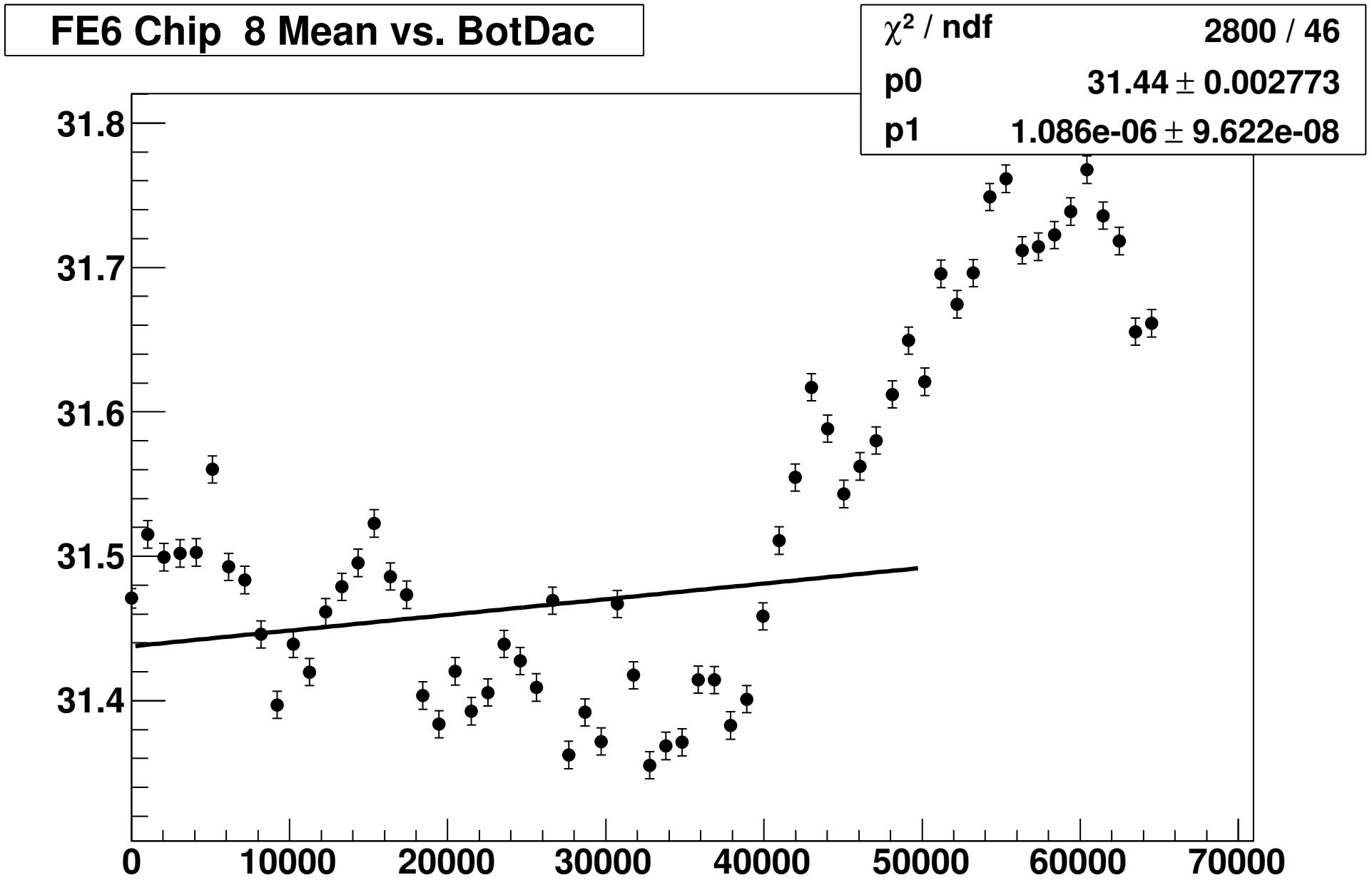
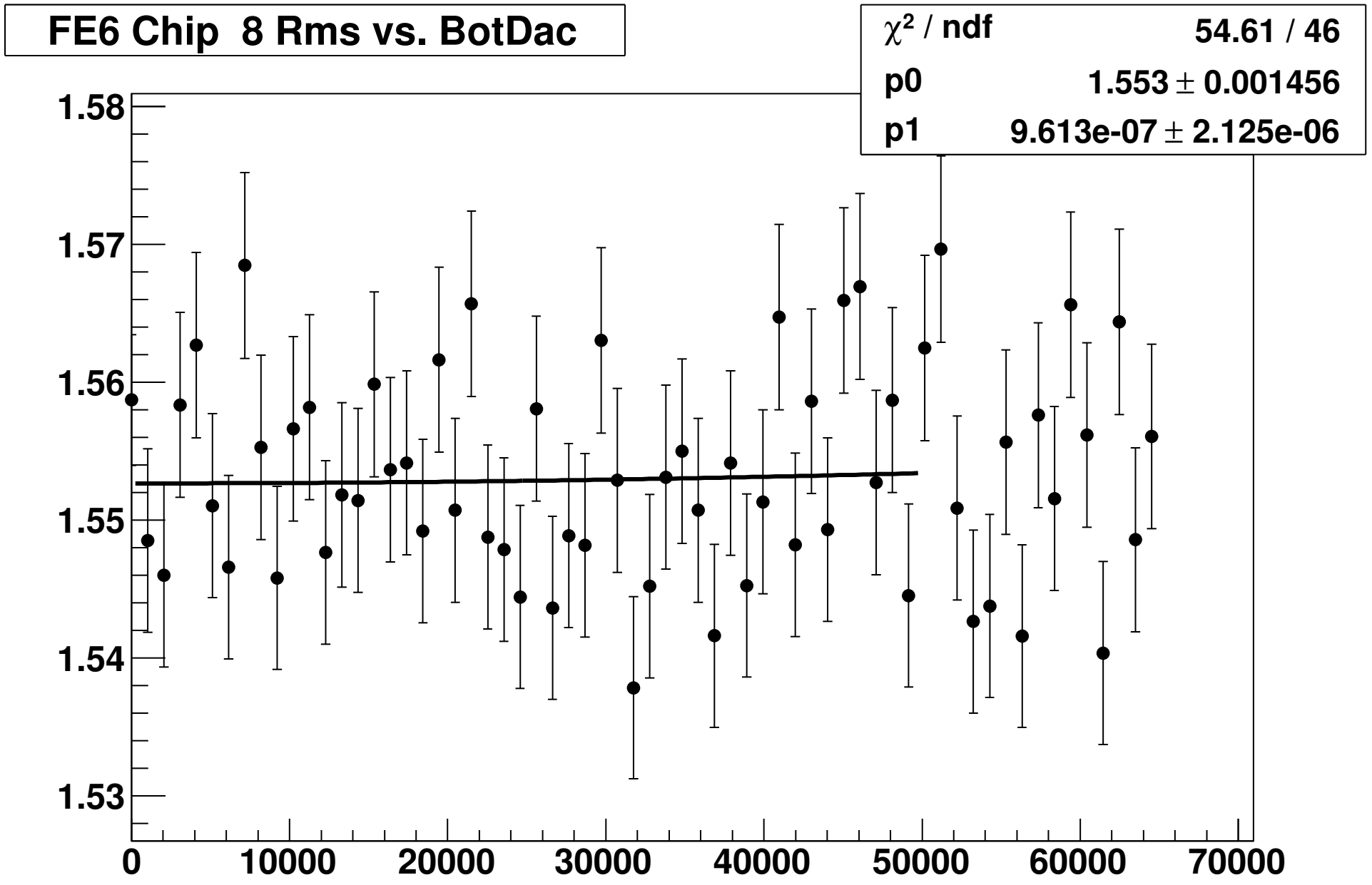
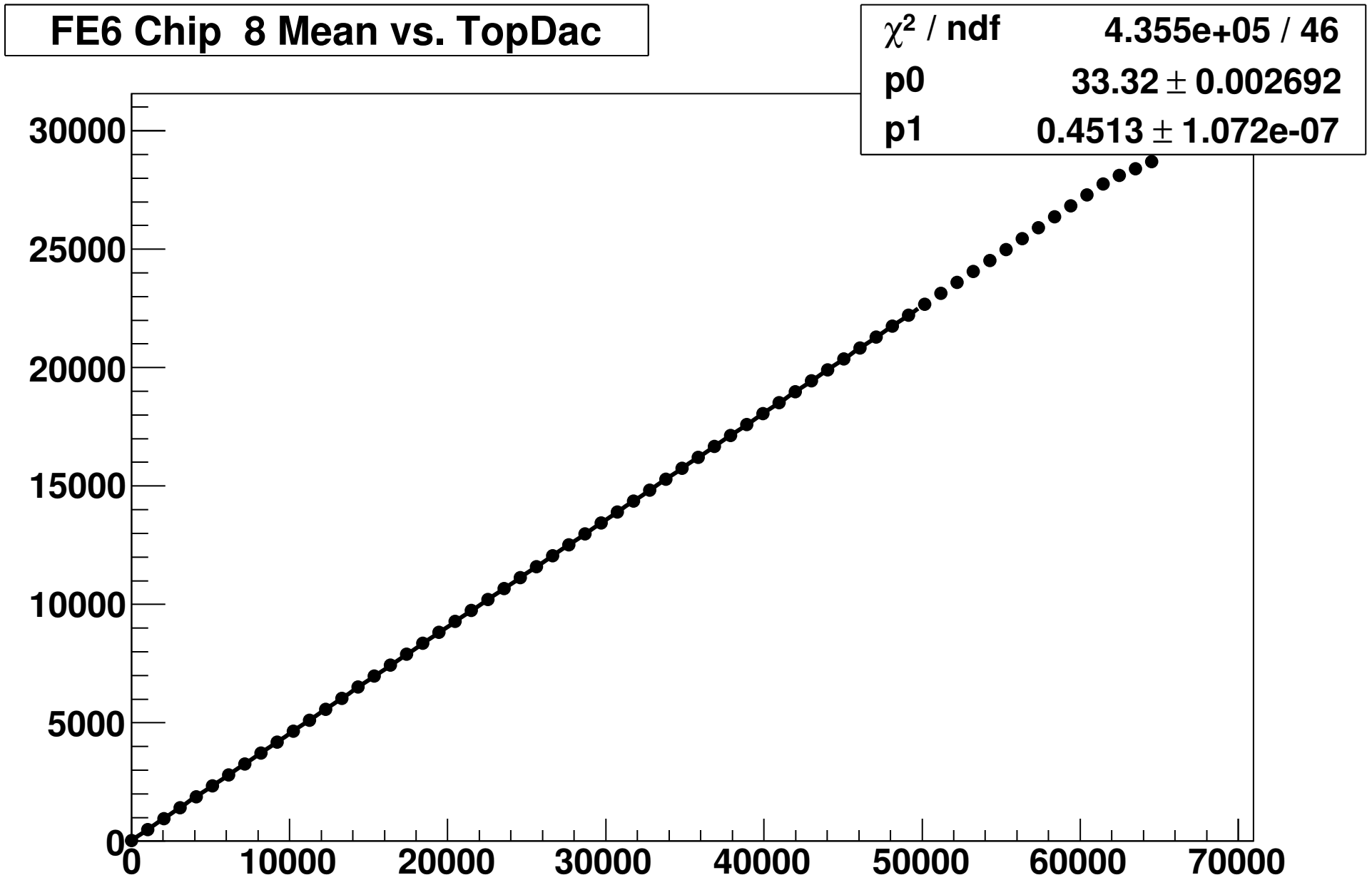
60000
70000

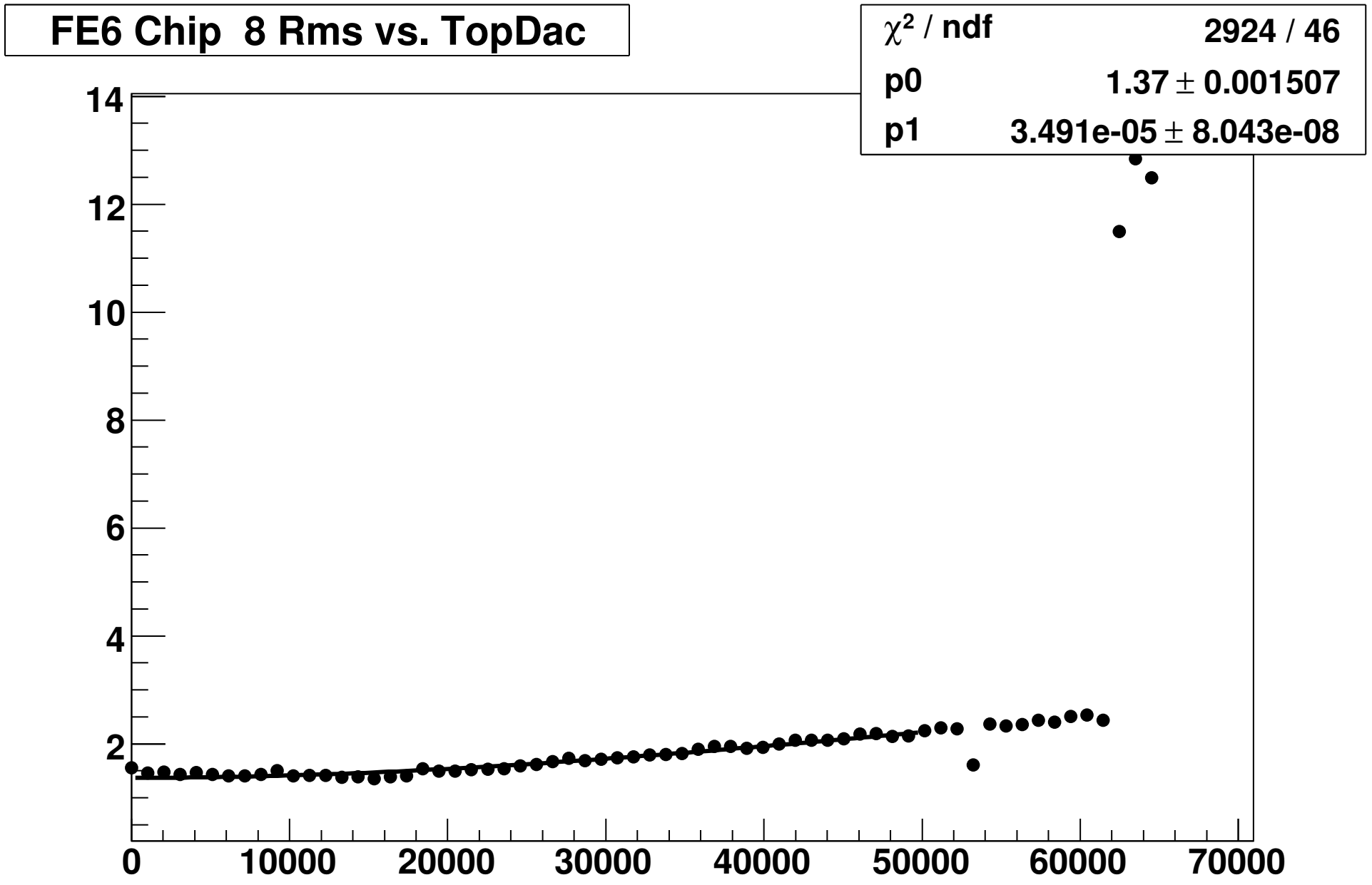

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 5.88e+05 / 46
p0 40.03 ± 0.002679
p1 0.4515 ± 1.069e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

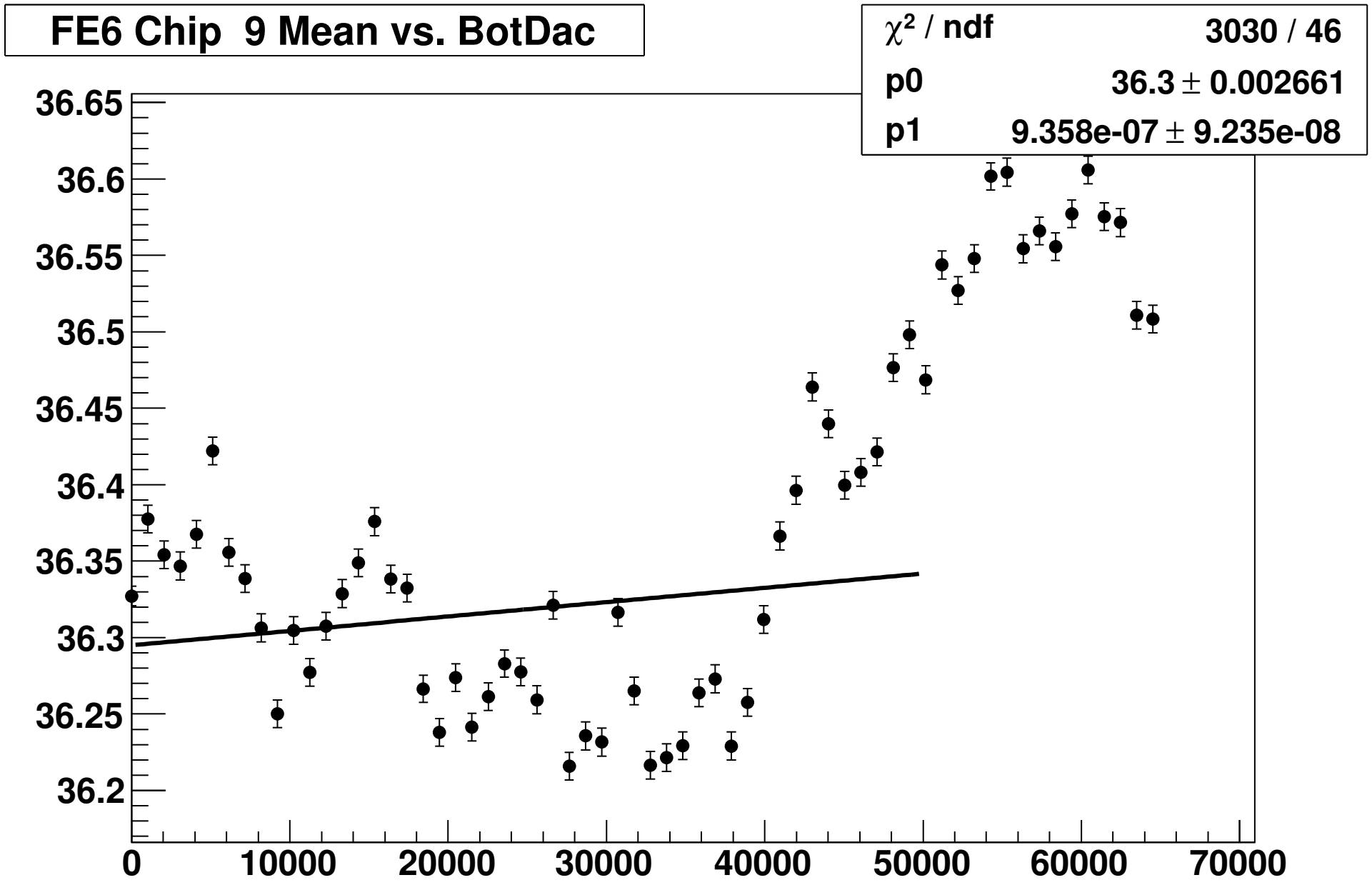

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 3790 / 46
p0 1.358 ± 0.001499
p1 3.492e-05 ± 7.969e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

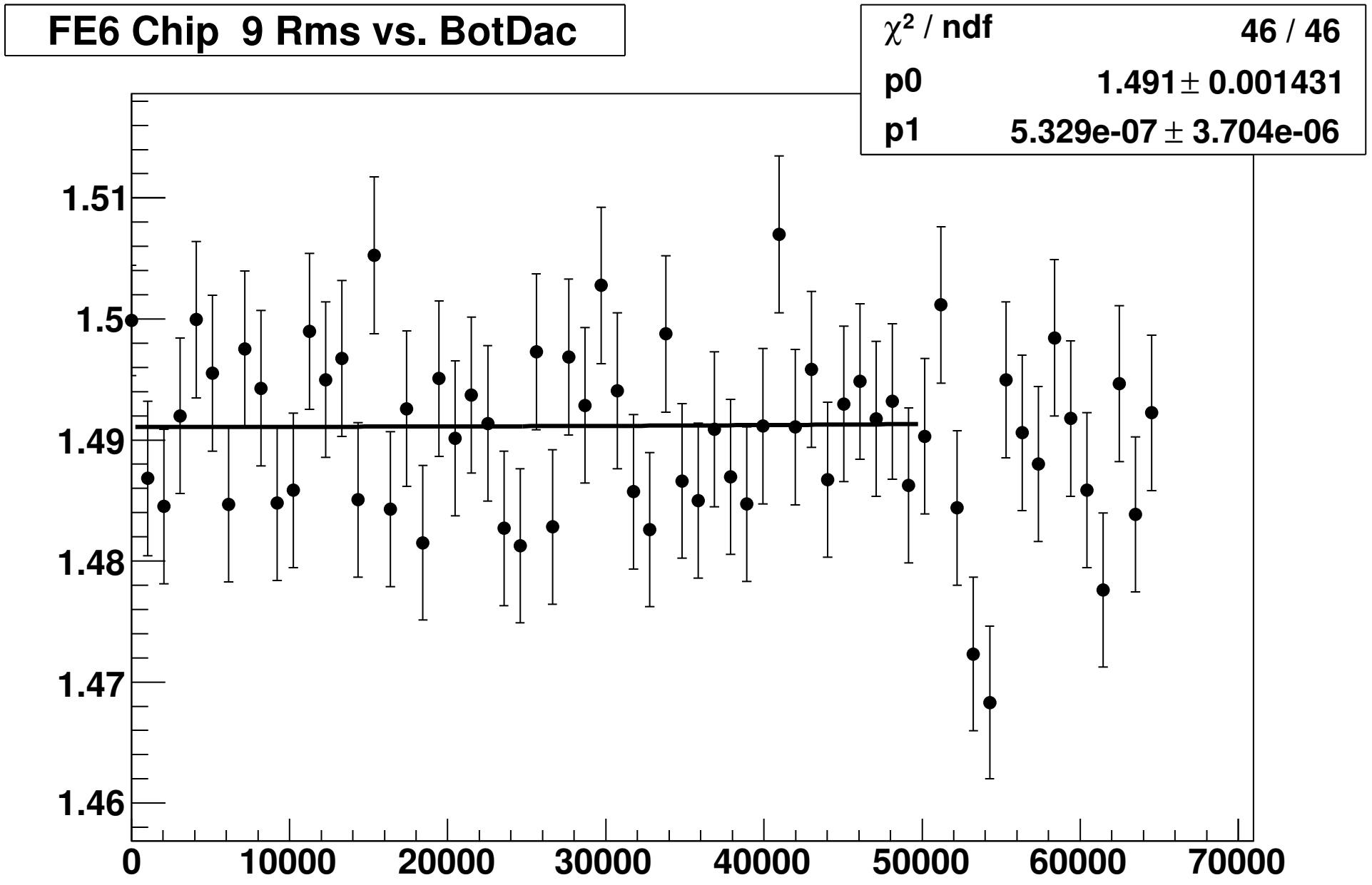

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 2800 / 46
p0 31.44 ± 0.002773
p1 1.086e-06 ± 9.622e-08
31.8
31.7
31.6
31.5
31.4
0
10000
20000
30000
40000
50000
60000
70000

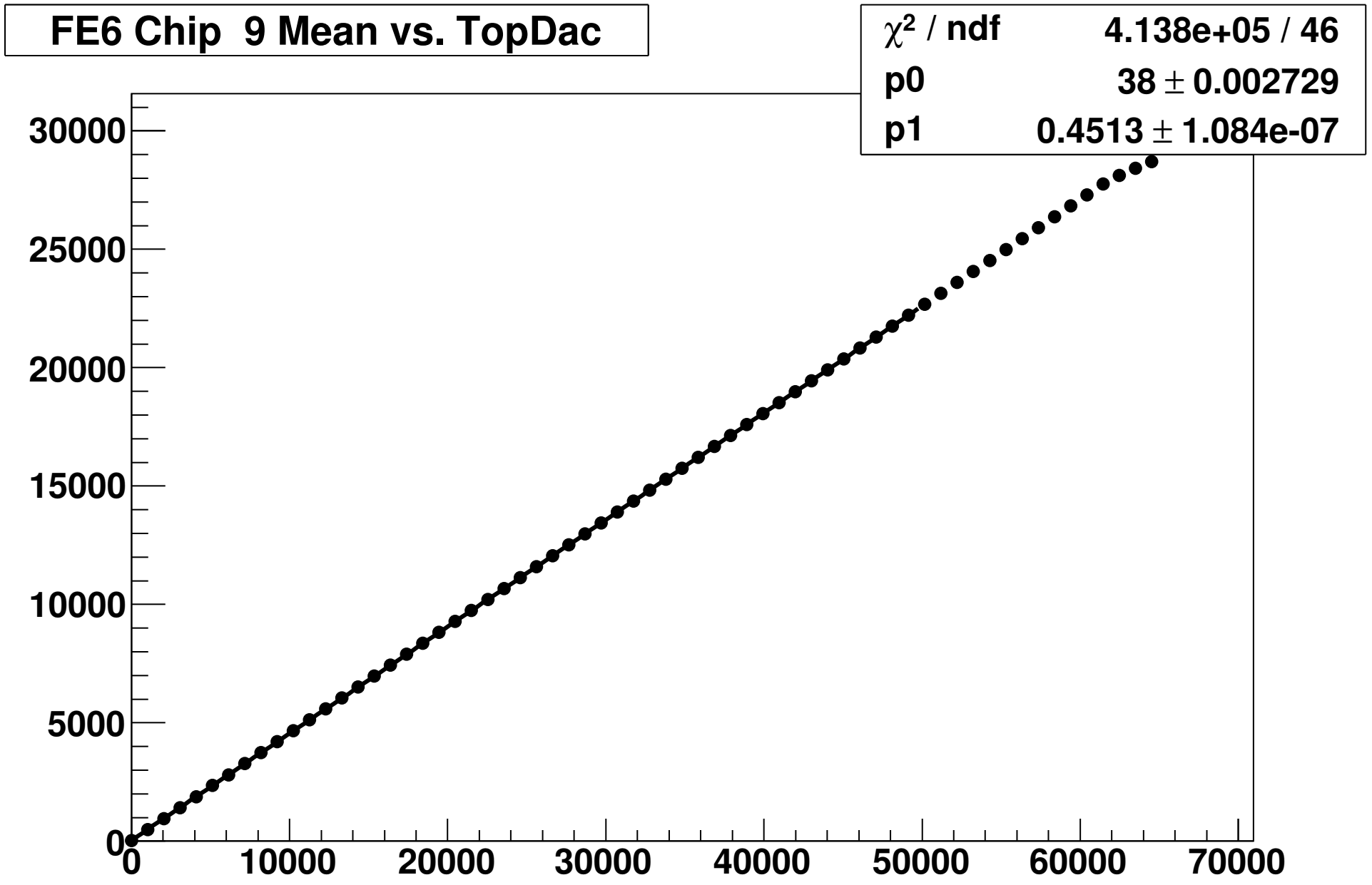

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 54.61 / 46
p0 1.553 ± 0.001456
p1 9.613e-07 ± 2.125e-06
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

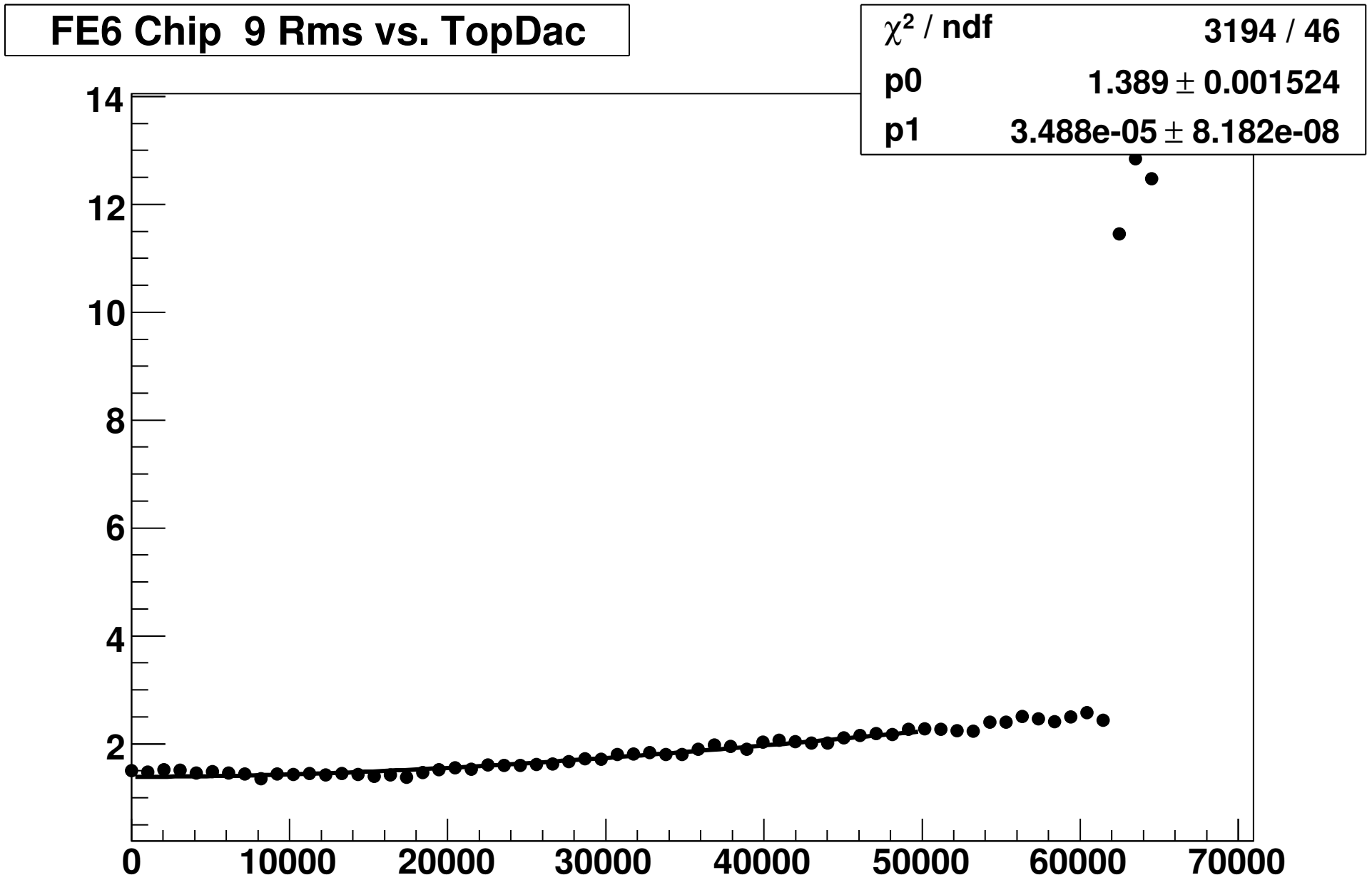

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 4.355e+05 / 46
p0 33.32 ± 0.002692
p1 0.4513 ± 1.072e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 2924 / 46
p0 1.37 ± 0.001507
p1 3.491e-05 ± 8.043e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 3030 / 46
p0 36.3 ± 0.002661
p1 9.358e-07 ± 9.235e-08
36.65
36.6
36.55
36.5
36.45
36.4
36.35
36.3
36.25
36.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 46 / 46
p0 1.491 ± 0.001431
p1 5.329e-07 ± 3.704e-06
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 4.138e+05 / 46
p0 38 ± 0.002729
p1 0.4513 ± 1.084e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 3194 / 46
p0 1.389 ± 0.001524
p1 3.488e-05 ± 8.182e-08
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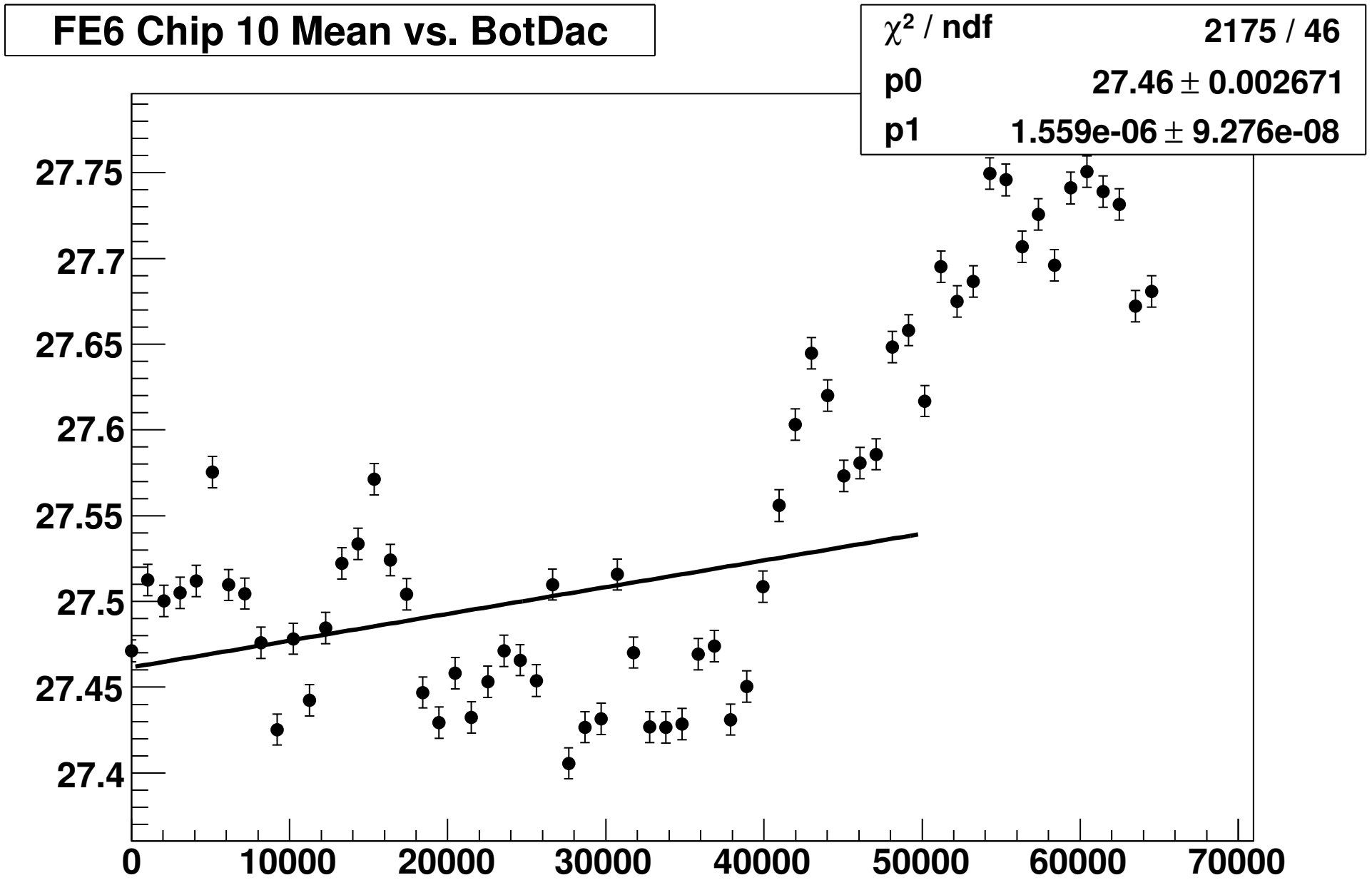
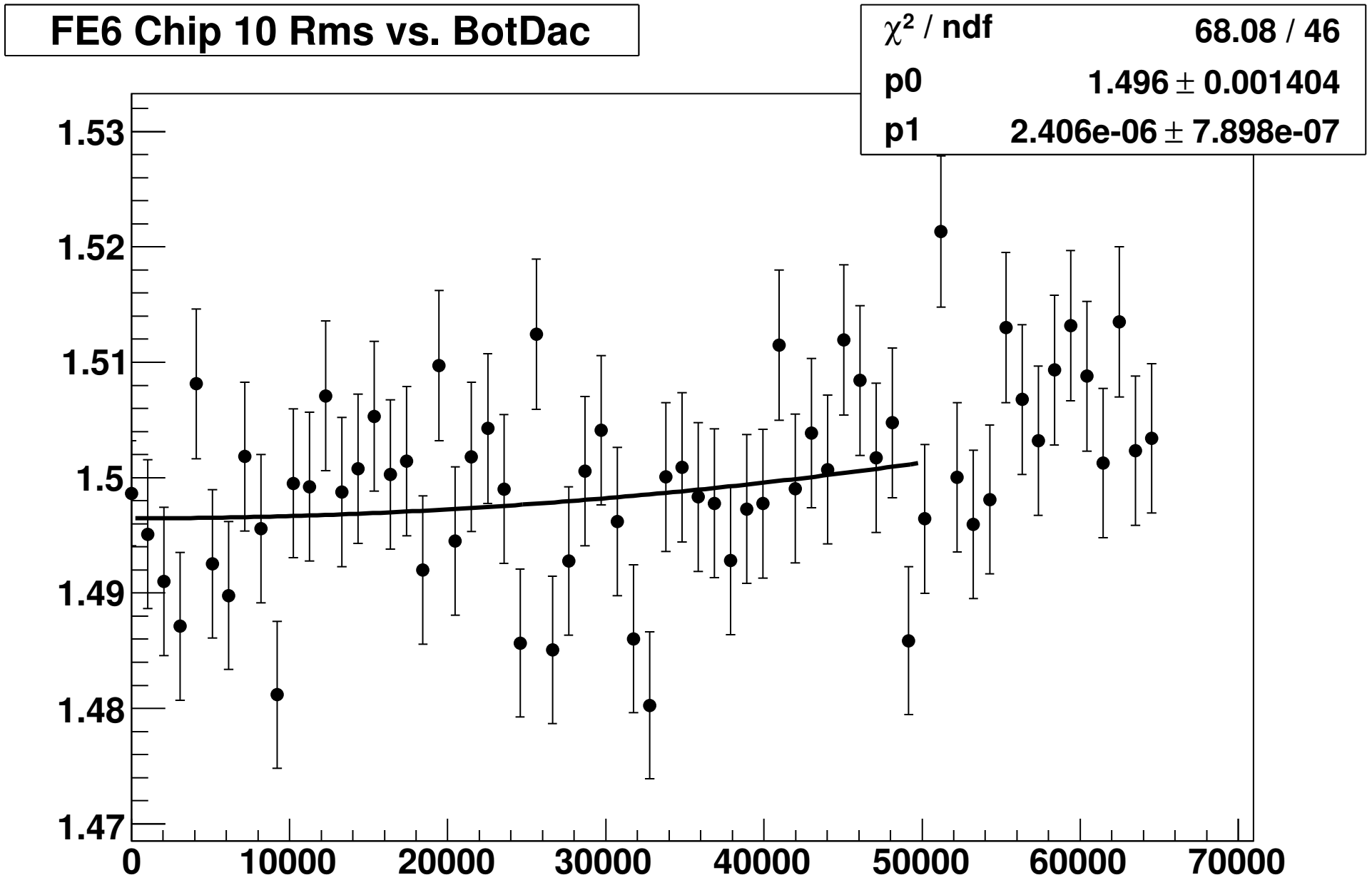
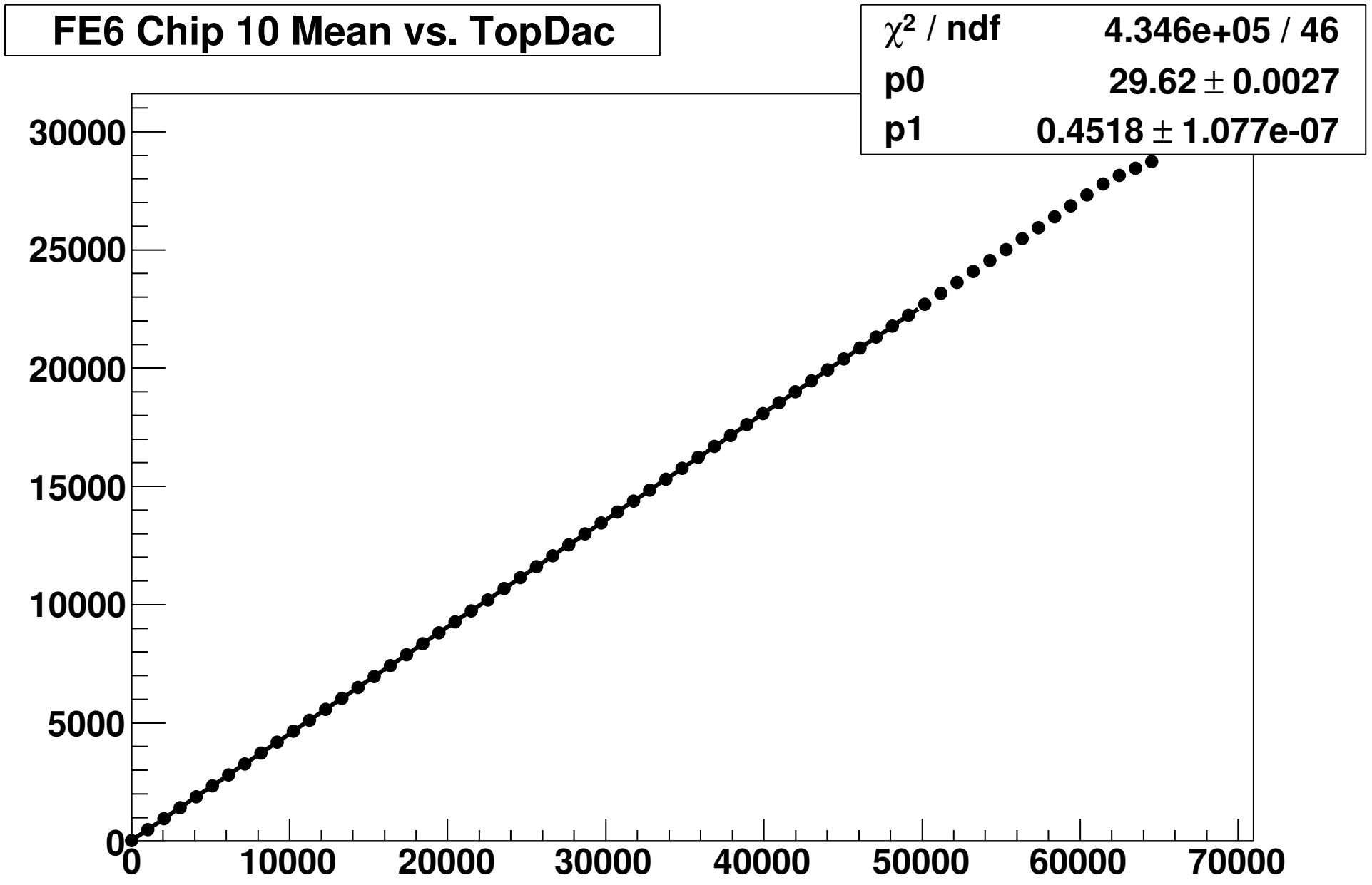
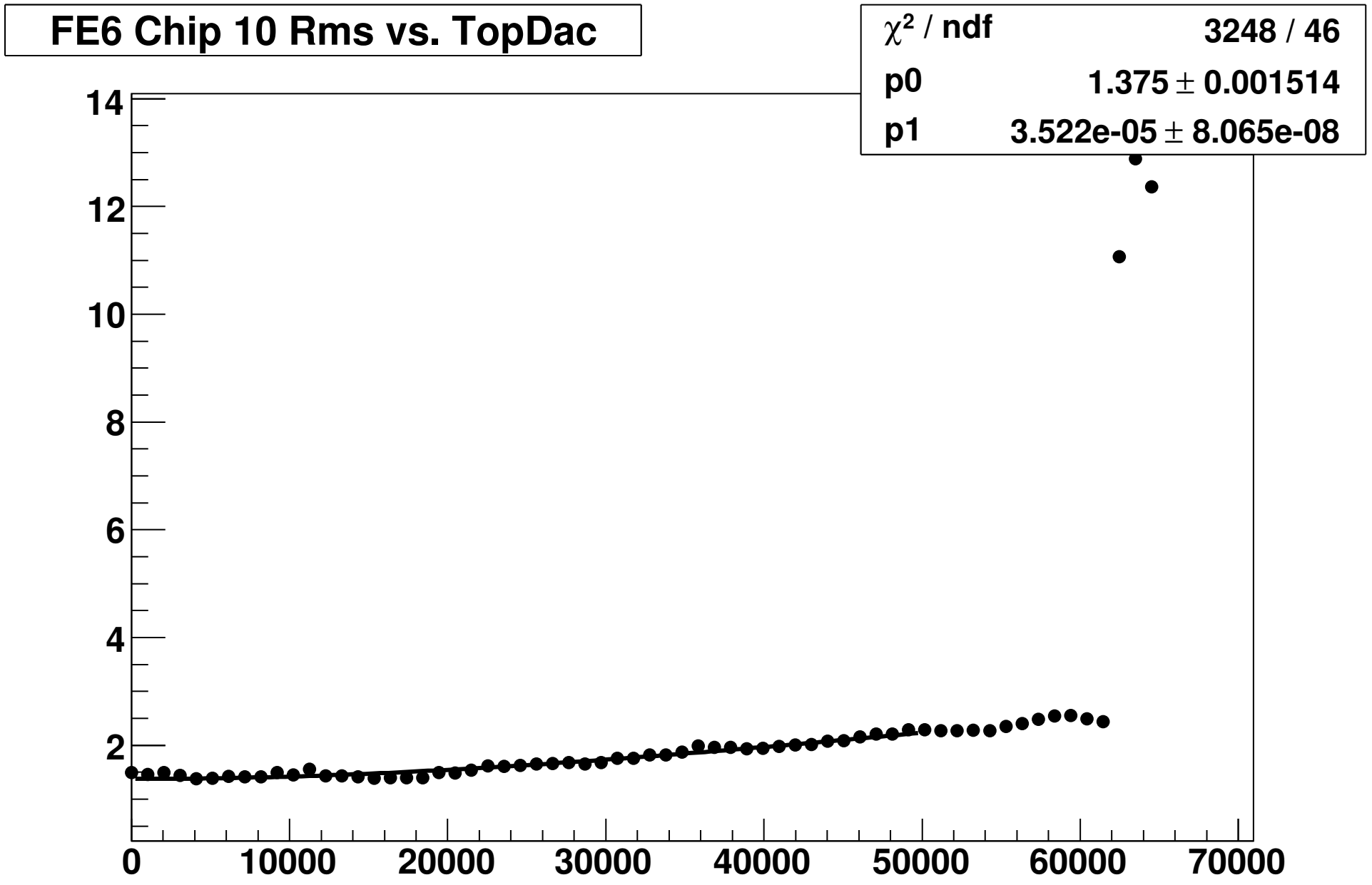
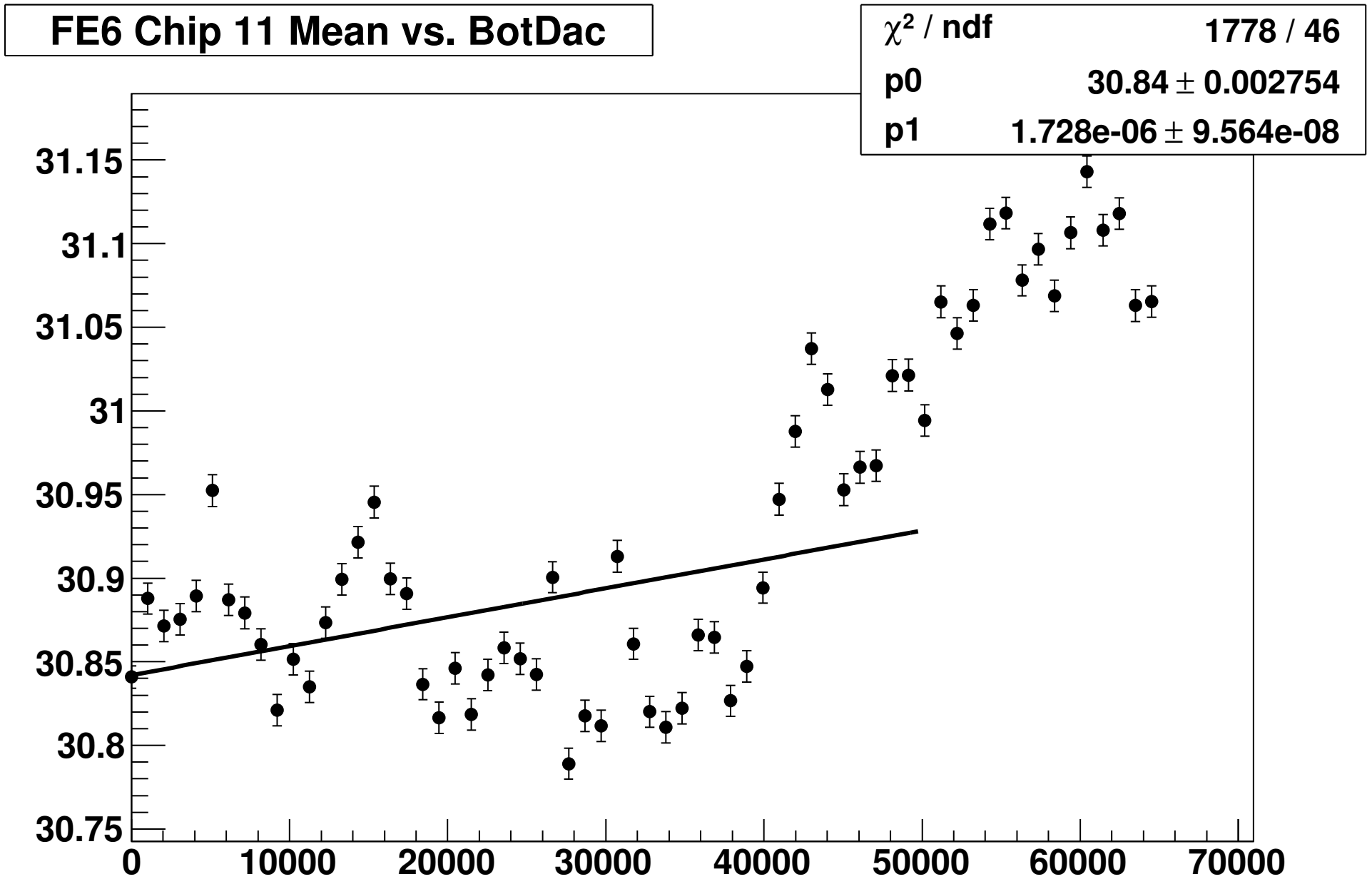
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

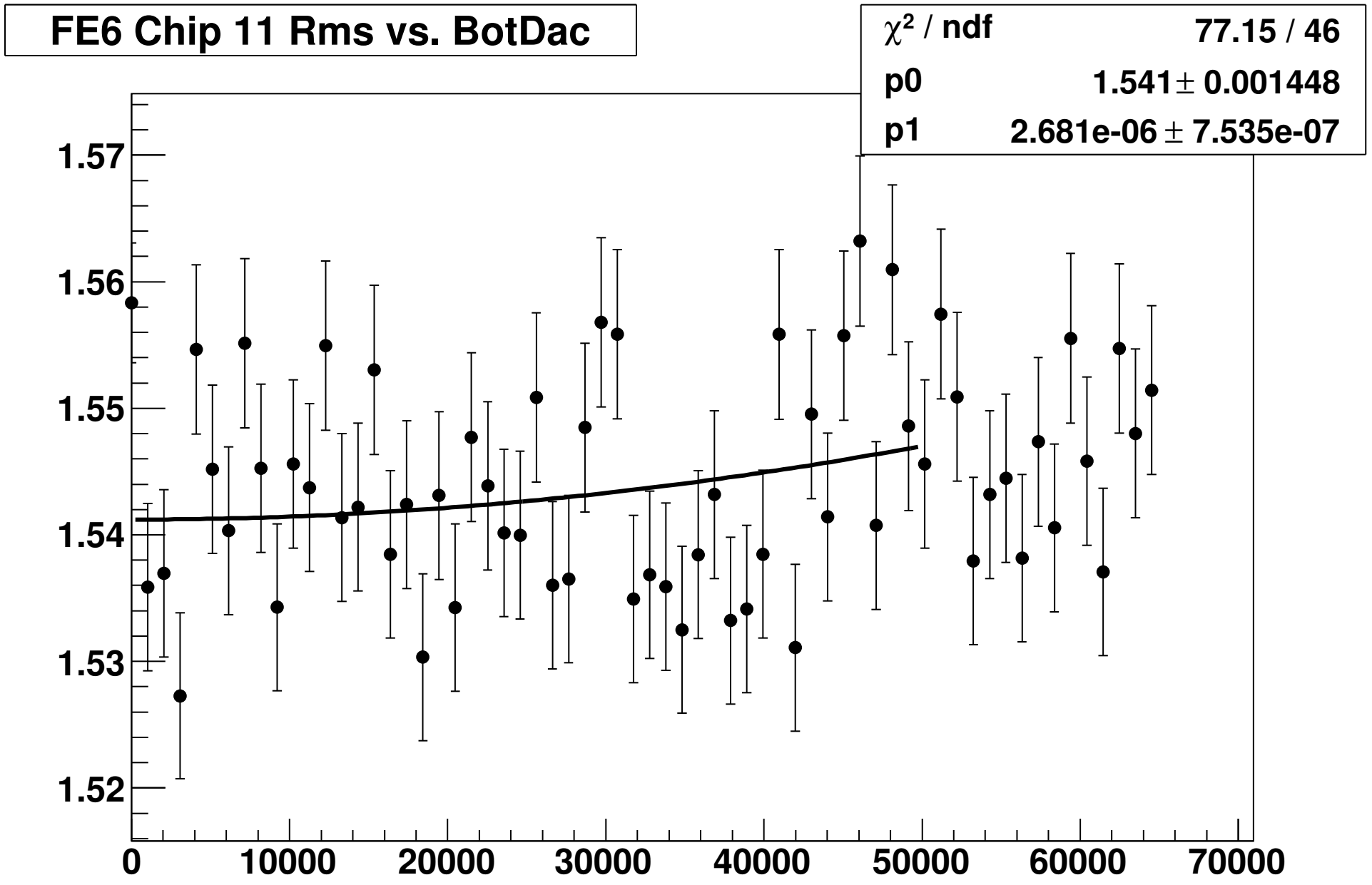

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 2175 / 46
p0 27.46 ± 0.002671
p1 1.559e-06 ± 9.276e-08
27.75
27.7
27.65
27.6
27.55
27.5
27.45
27.4
0
10000
20000
30000
40000
50000
60000
70000

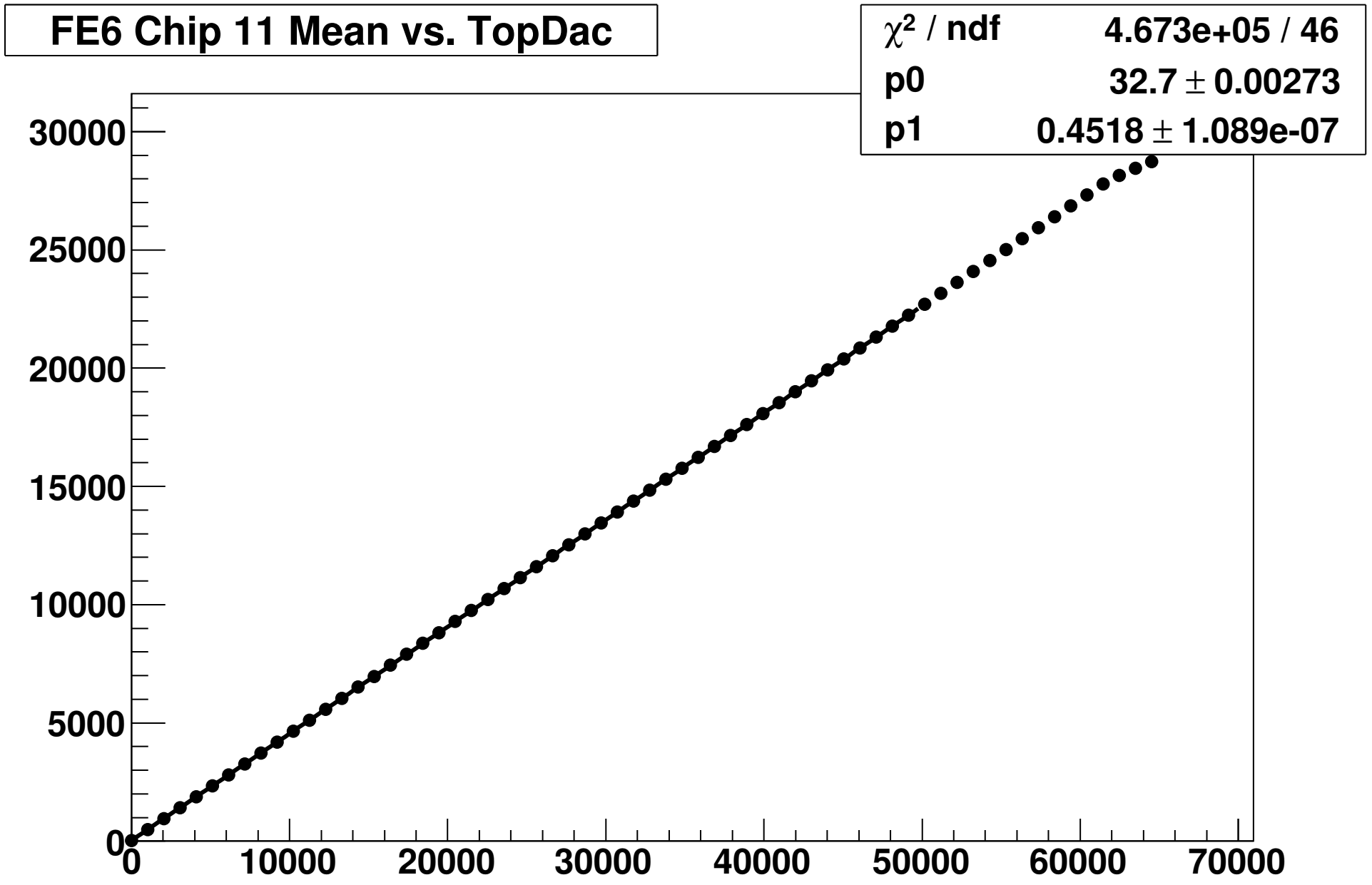

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 68.08 / 46
p0 1.496 ± 0.001404
p1 2.406e-06 ± 7.898e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 4.346e+05 / 46
p0 29.62 ± 0.0027
p1 0.4518 ± 1.077e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 3248 / 46
p0 1.375 ± 0.001514
p1 3.522e-05 ± 8.065e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 1778 / 46
p0 30.84 ± 0.002754
p1 1.728e-06 ± 9.564e-08
31.15
31.1
31.05
31
30.95
30.9
30.85
30.8
30.75
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 77.15 / 46
p0 1.541 ± 0.001448
p1 2.681e-06 ± 7.535e-07
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 4.673e+05 / 46
p0 32.7 ± 0.00273
p1 0.4518 ± 1.089e-07
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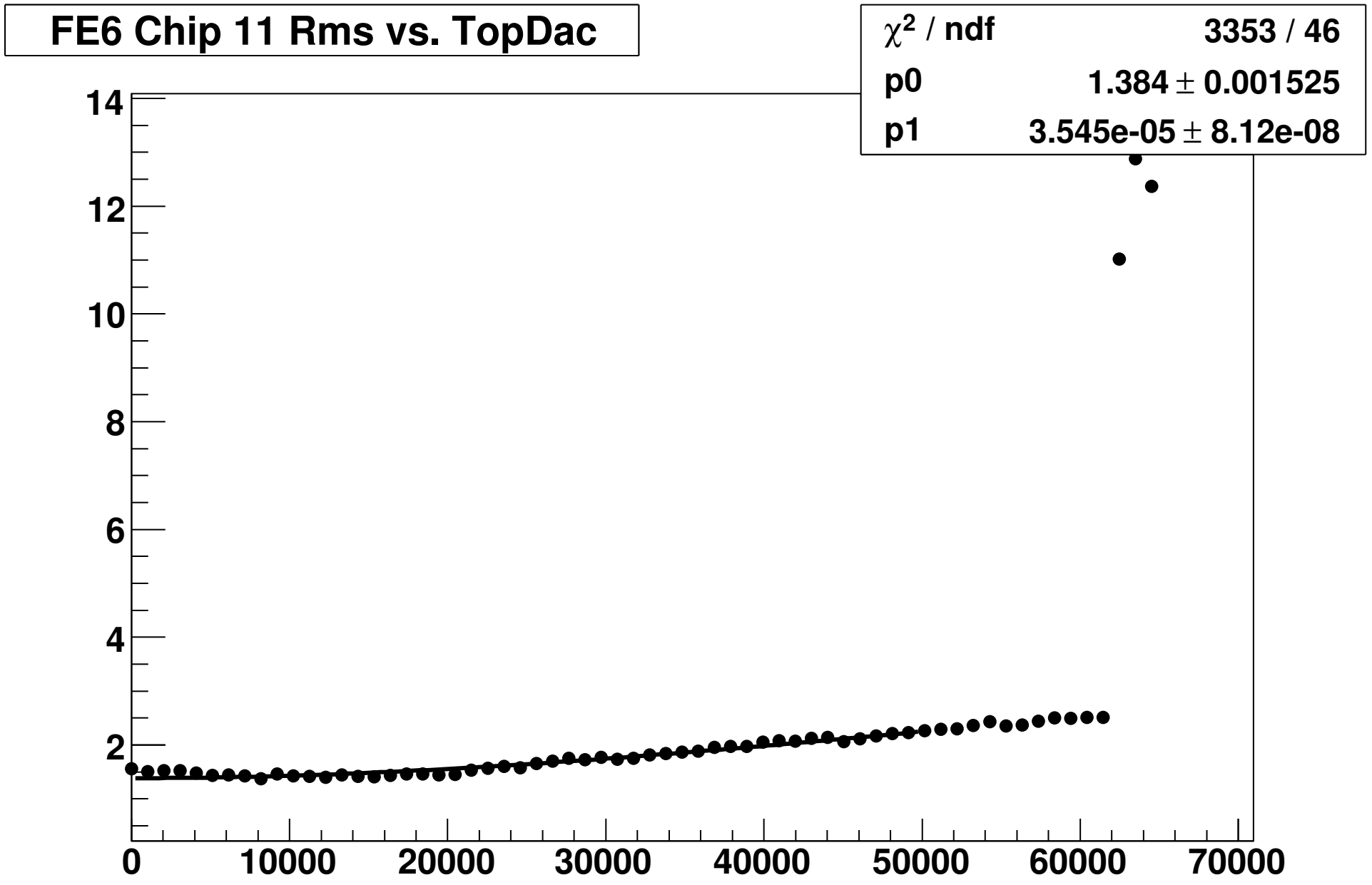
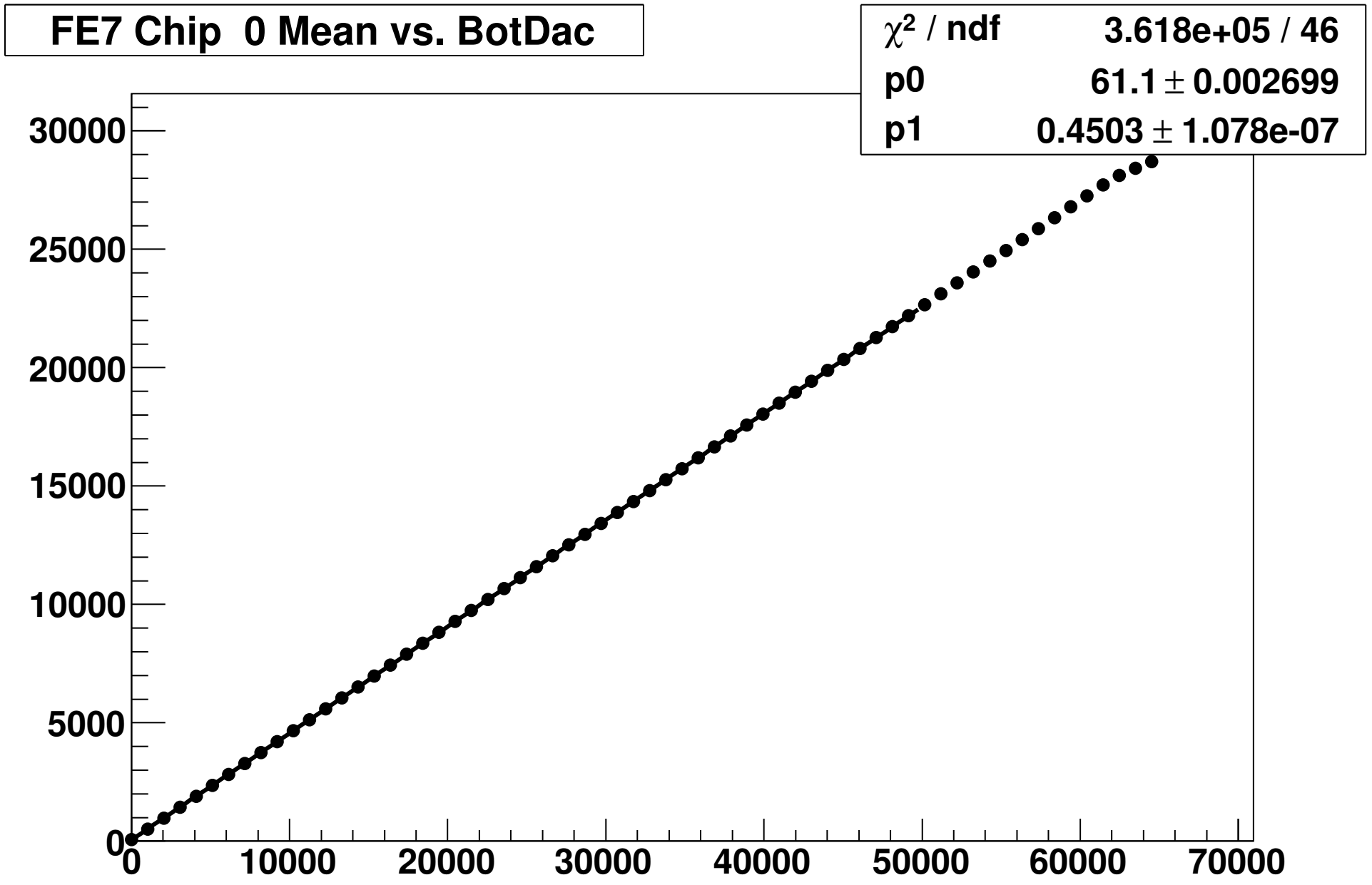
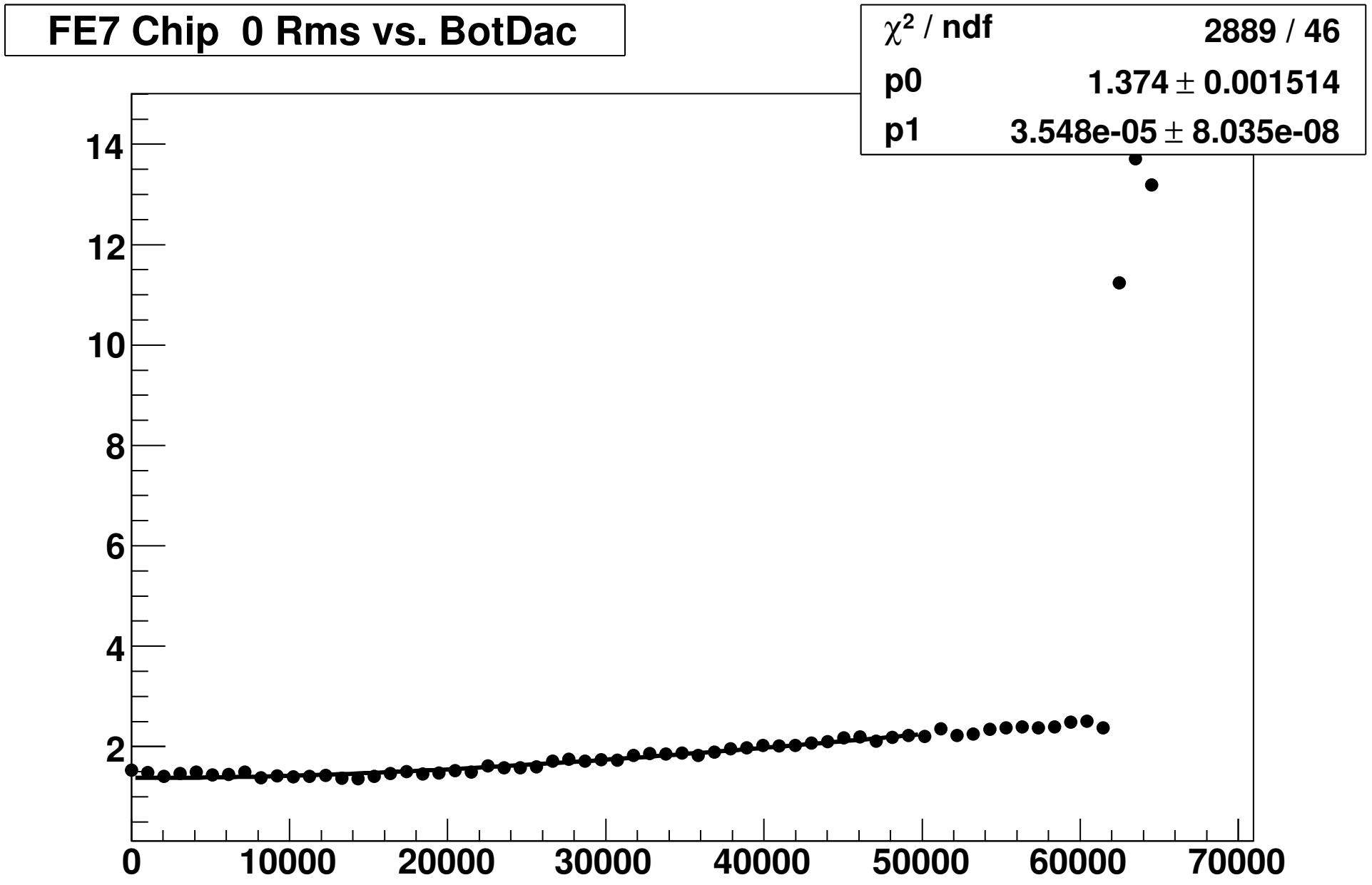
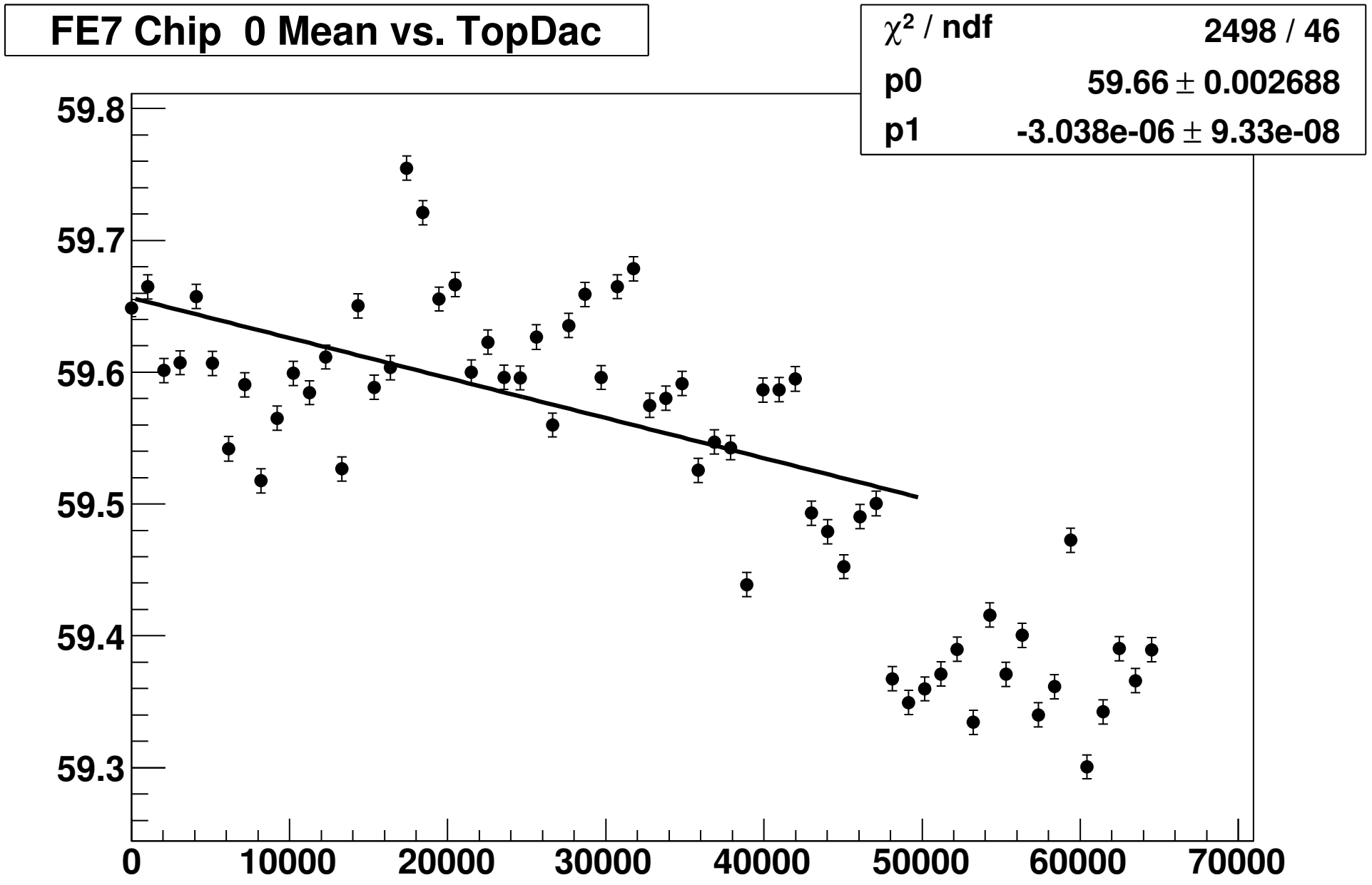
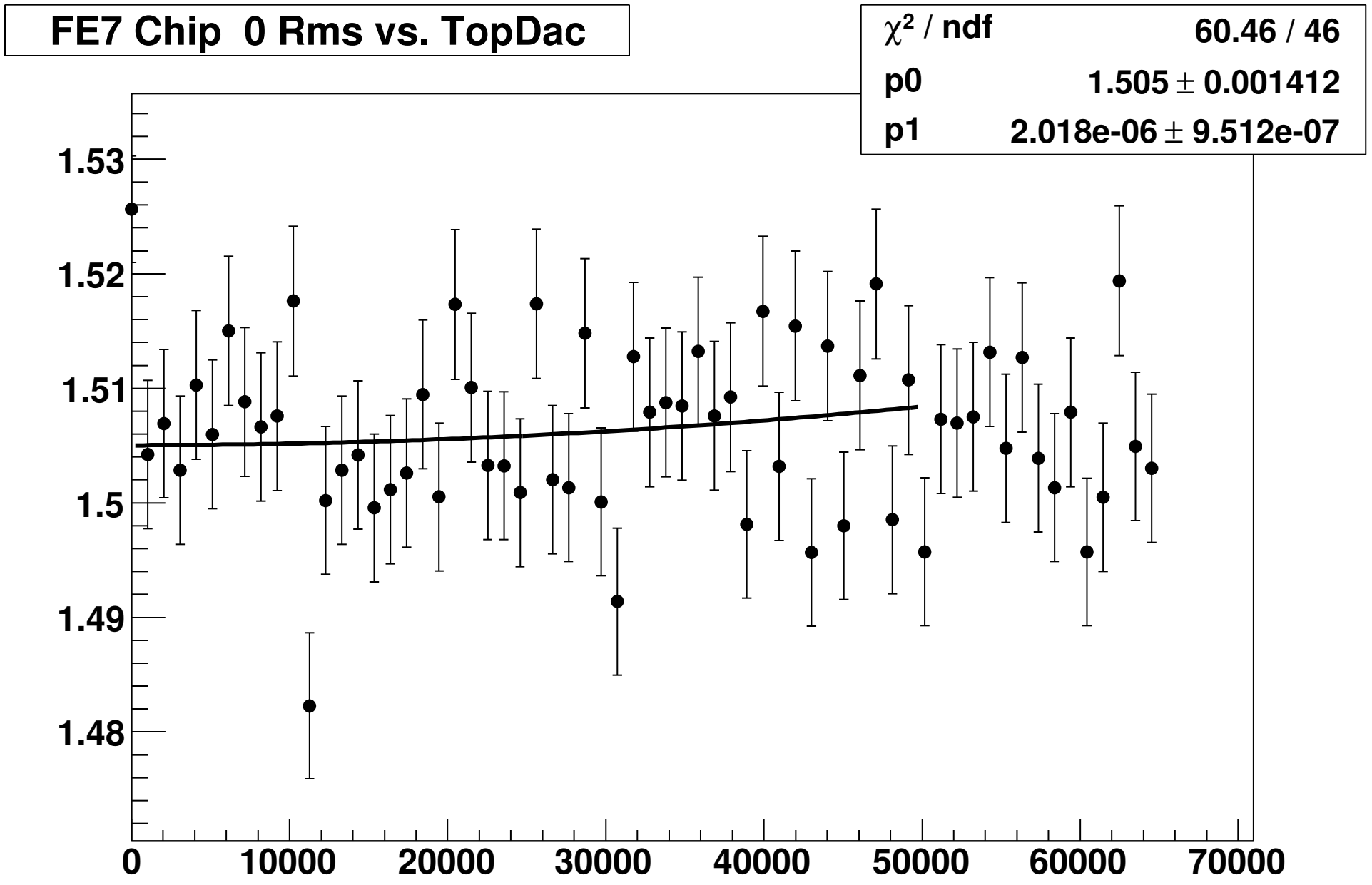
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

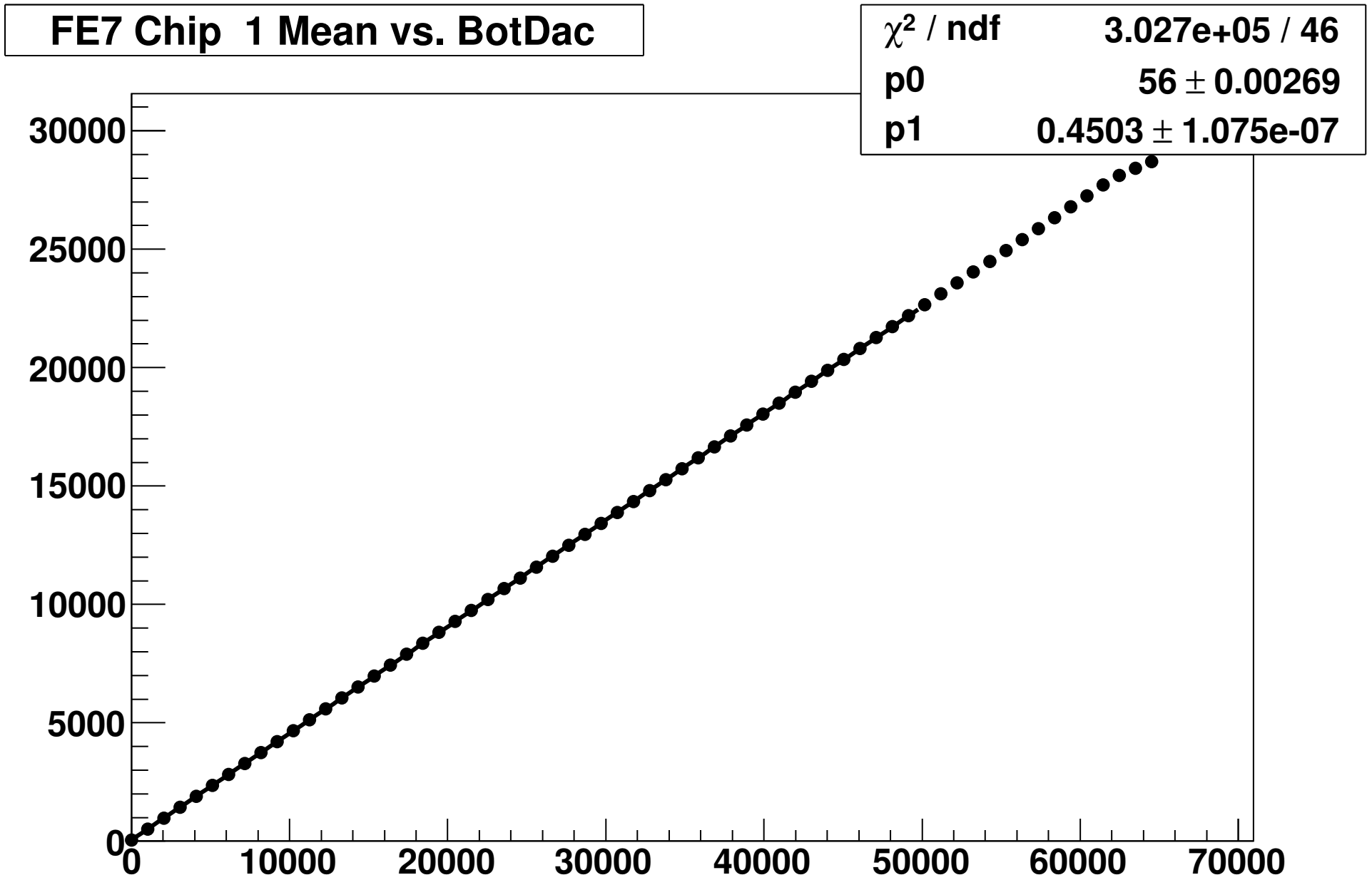

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 3353 / 46
p0 1.384 ± 0.001525
p1 3.545e-05 ± 8.12e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 3.618e+05 / 46
p0 61.1 ± 0.002699
p1 0.4503 ± 1.078e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 2889 / 46
p0 1.374 ± 0.001514
p1 3.548e-05 ± 8.035e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 2498 / 46
p0 59.66 ± 0.002688
p1 -3.038e-06 ± 9.33e-08
59.8
59.7
59.6
59.5
59.4
59.3
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 60.46 / 46
p0 1.505 ± 0.001412
p1 2.018e-06 ± 9.512e-07
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 3.027e+05 / 46
p0 56 ± 0.00269
p1 0.4503 ± 1.075e-07
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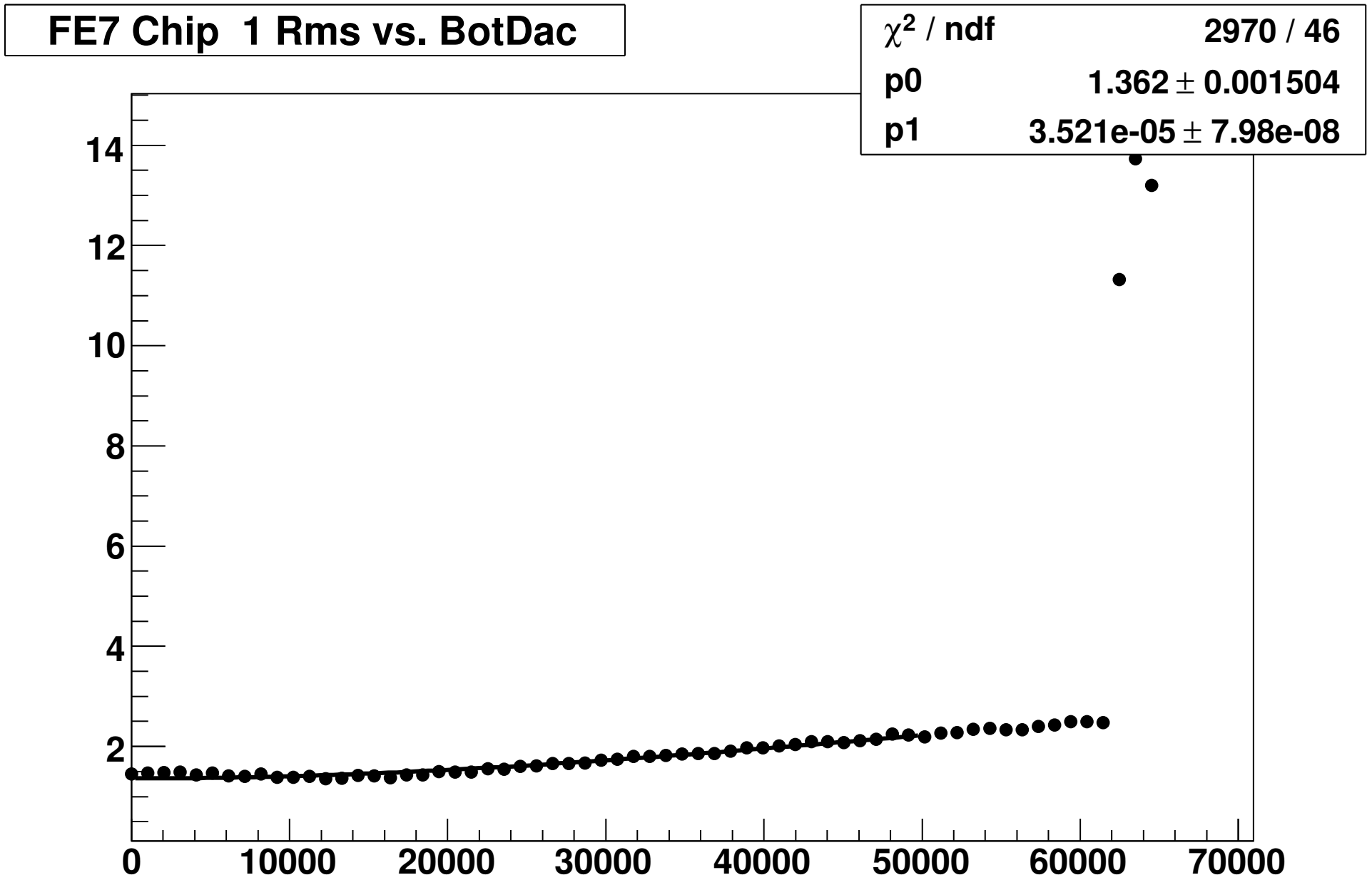
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 2970 / 46
p0 1.362 ± 0.001504
p1 3.521e-05 ± 7.98e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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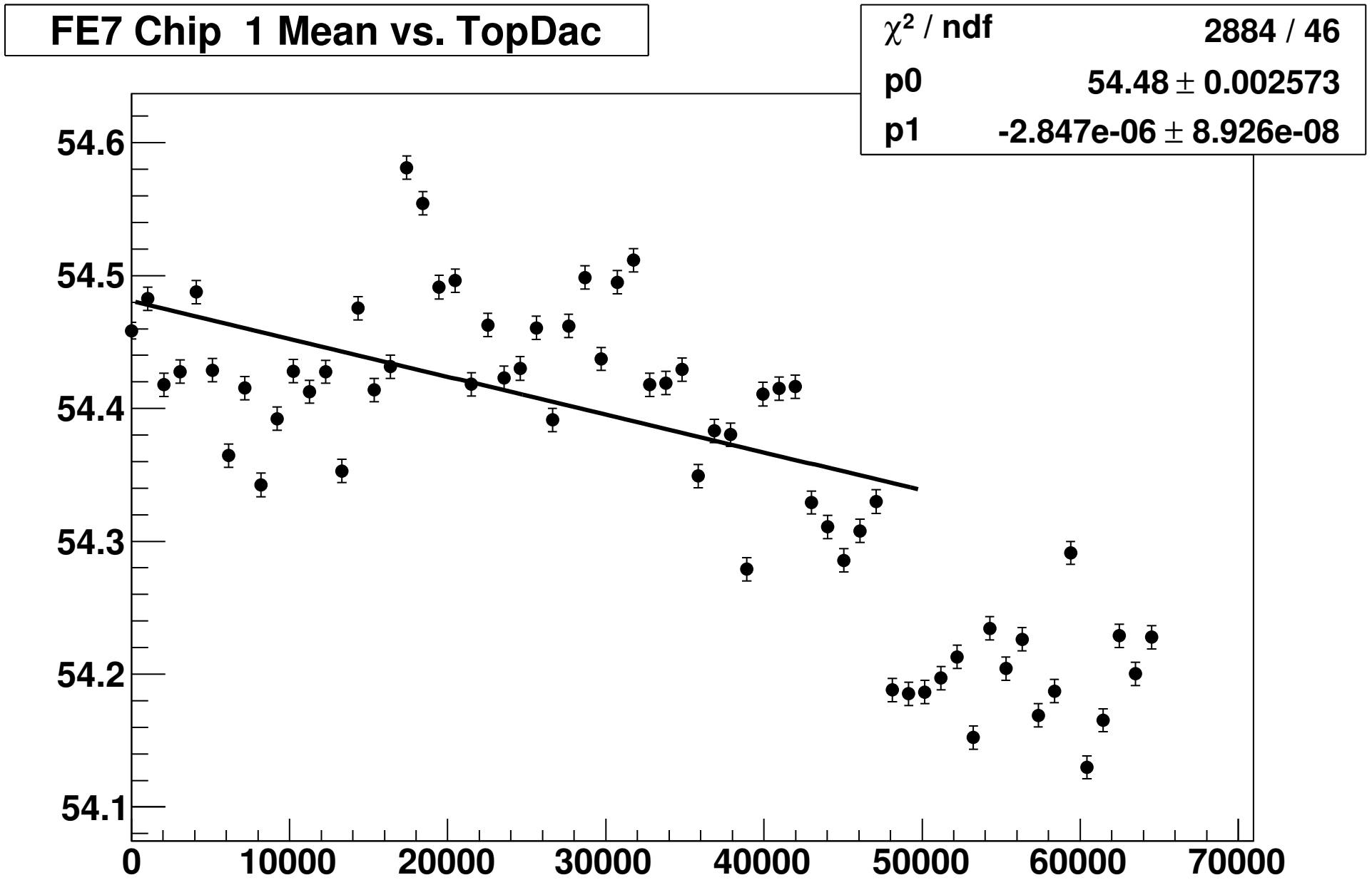
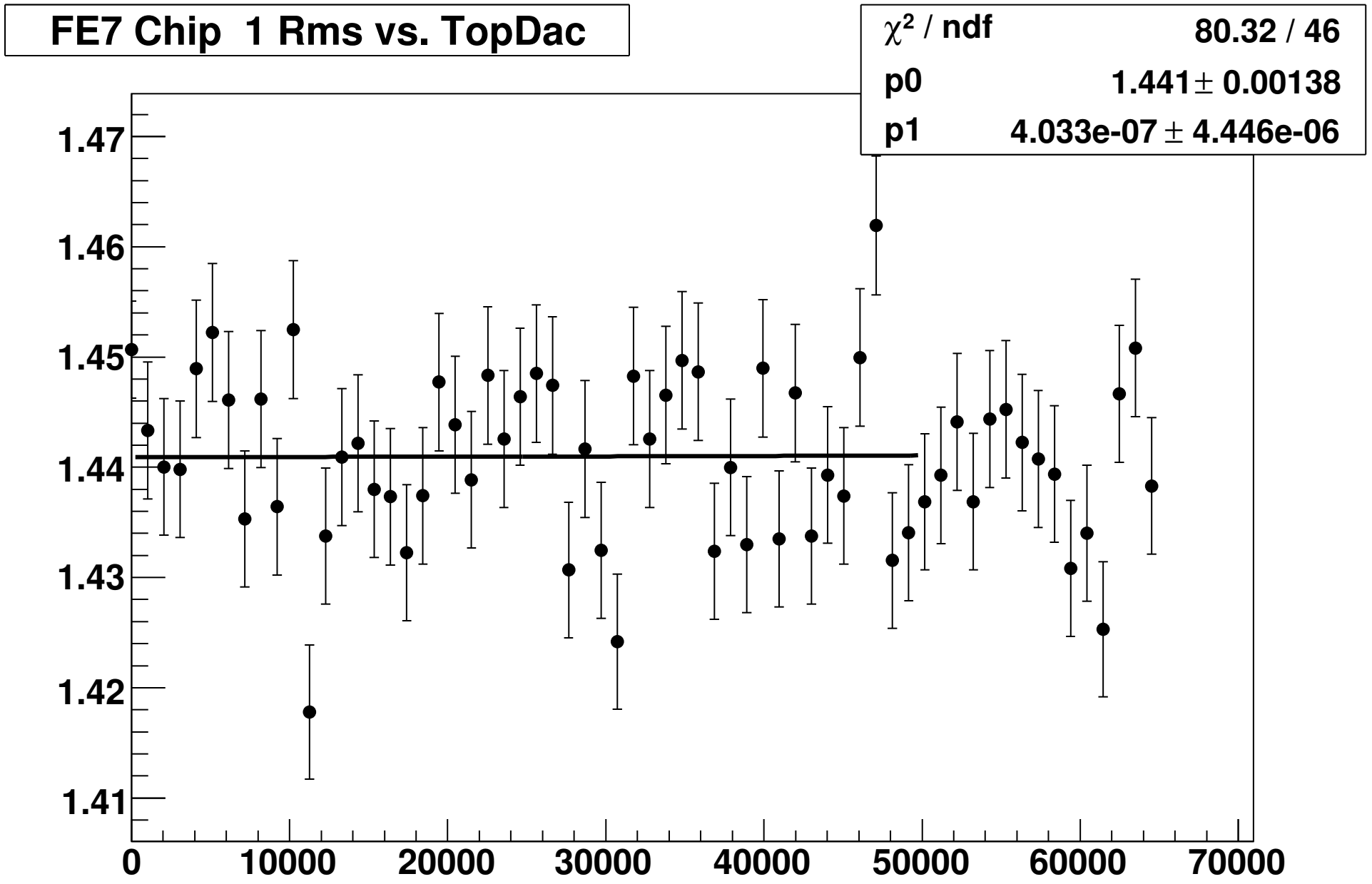
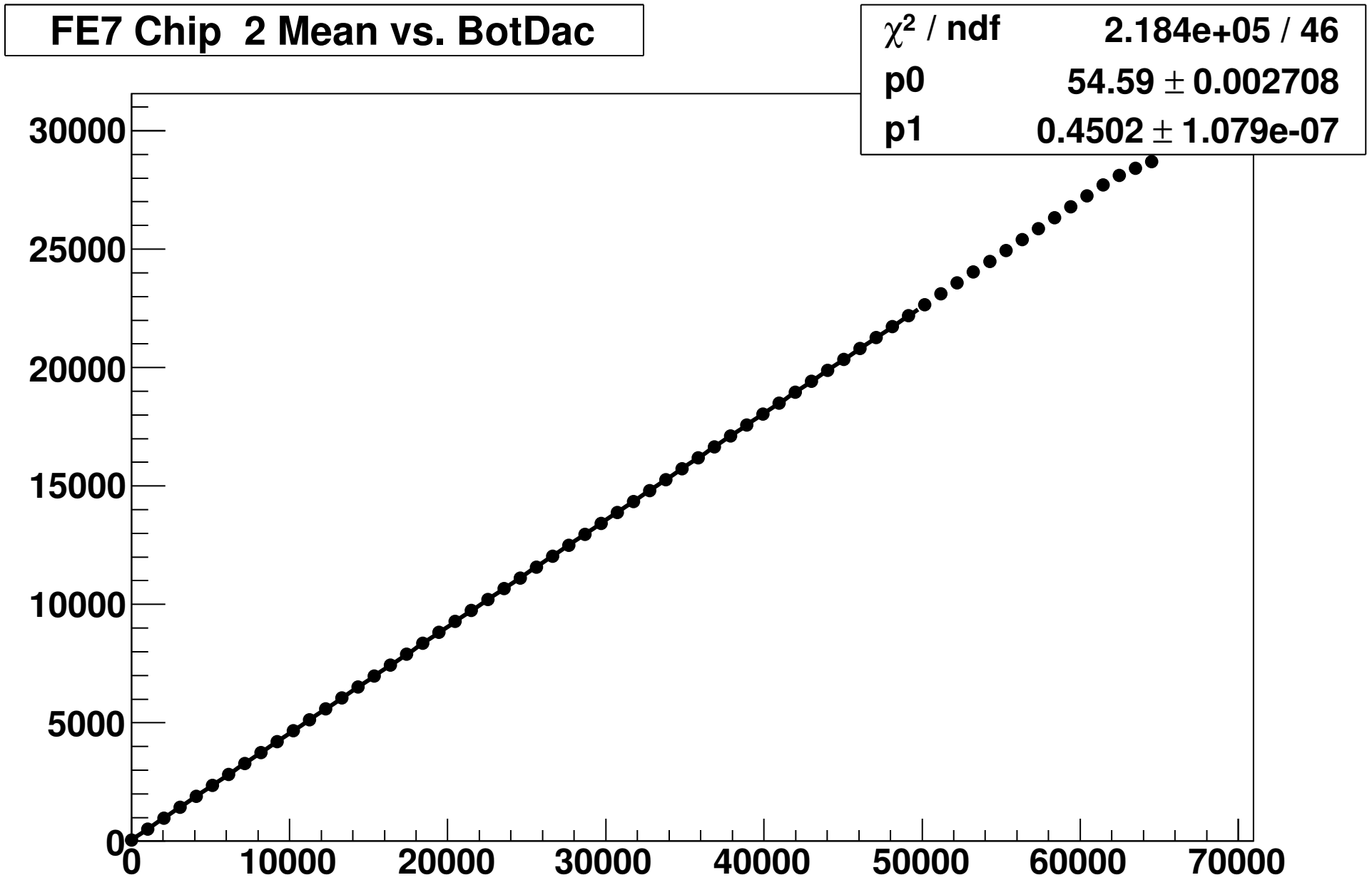
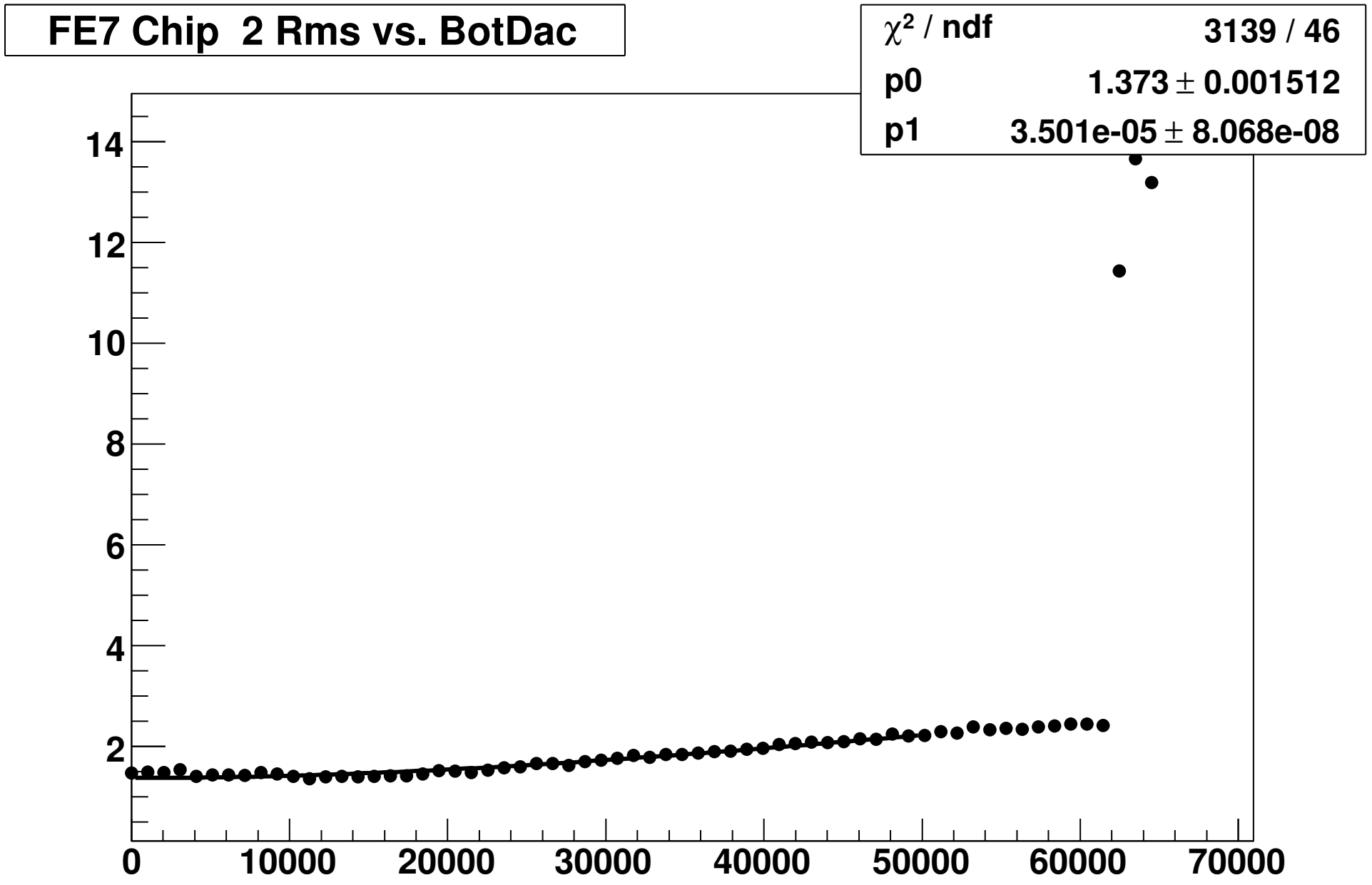
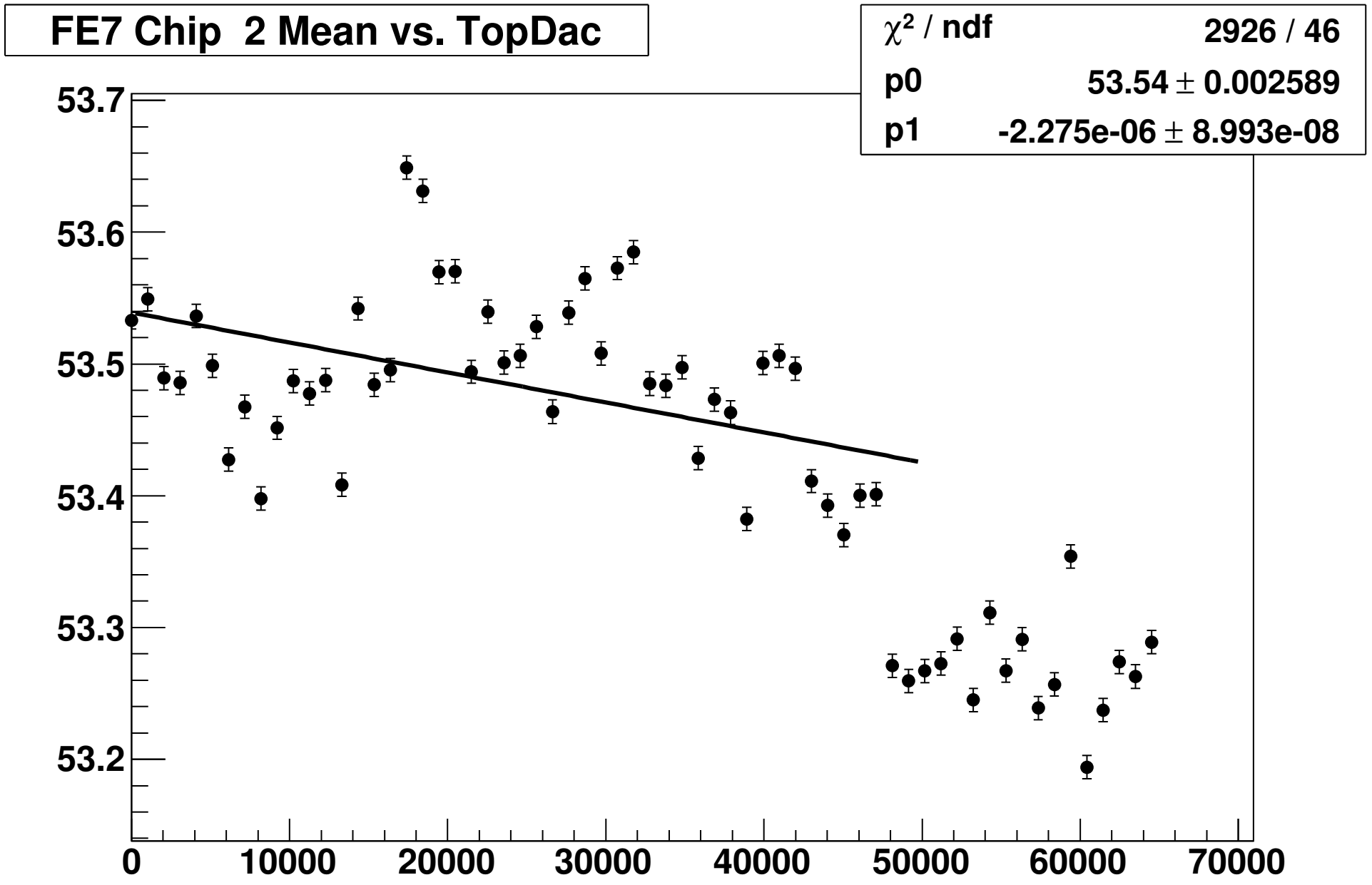
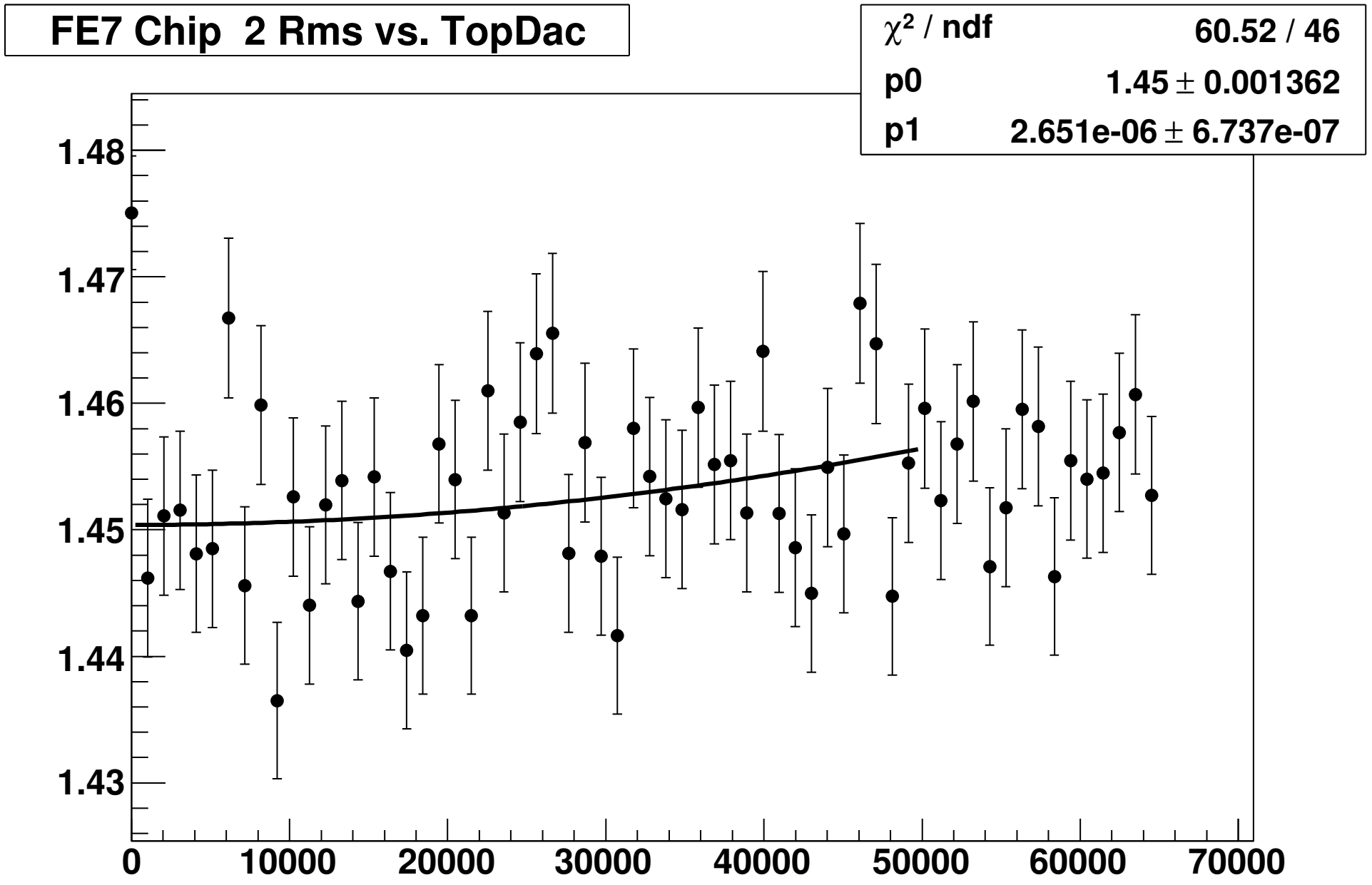

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 2884 / 46
p0 54.48 ± 0.002573
p1 -2.847e-06 ± 8.926e-08
54.6
54.5
54.4
54.3
54.2
54.1
0
10000
20000
30000
40000
50000
60000
70000

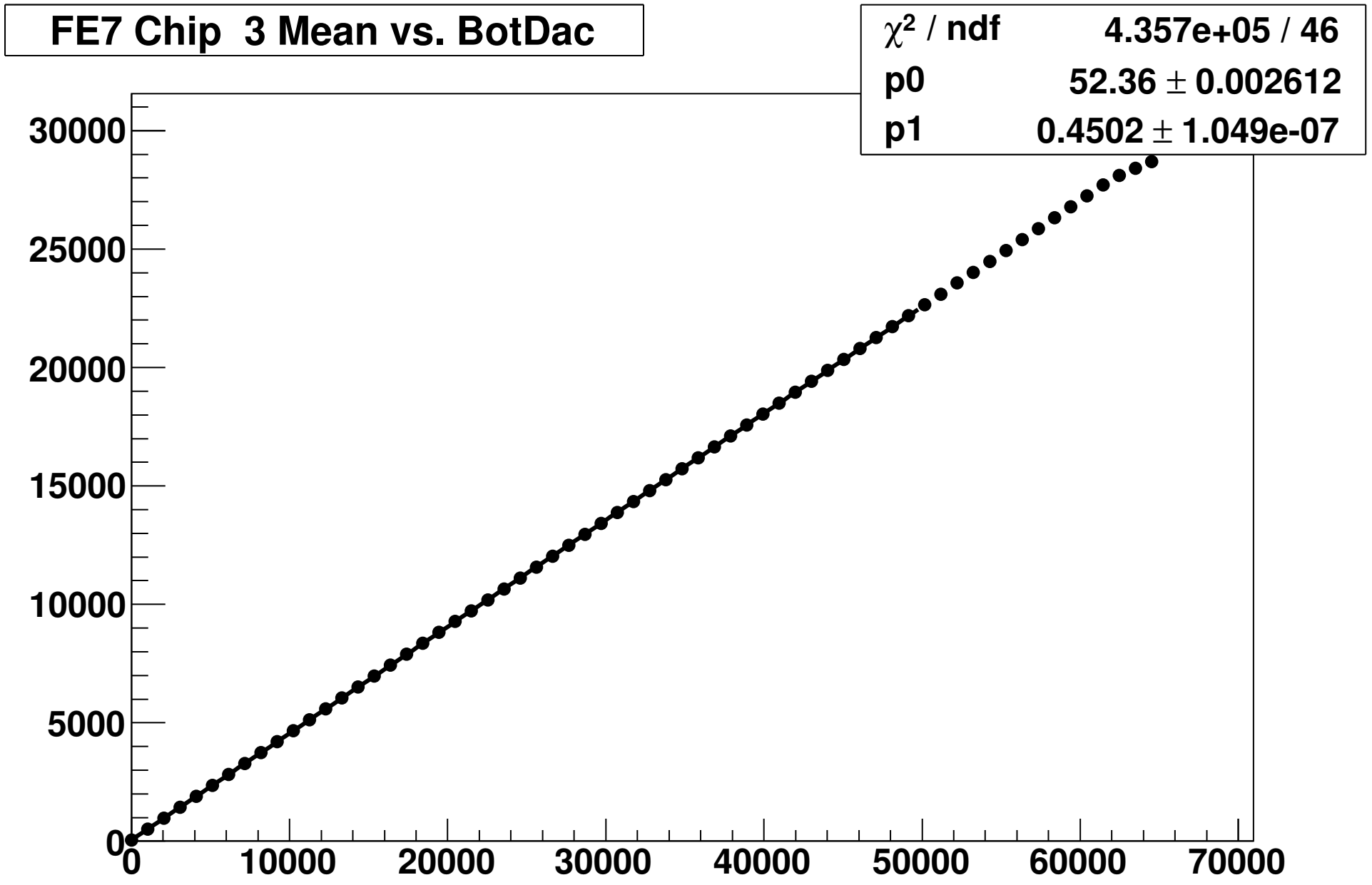

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 80.32 / 46
p0 1.441 ± 0.00138
p1 4.033e-07 ± 4.446e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

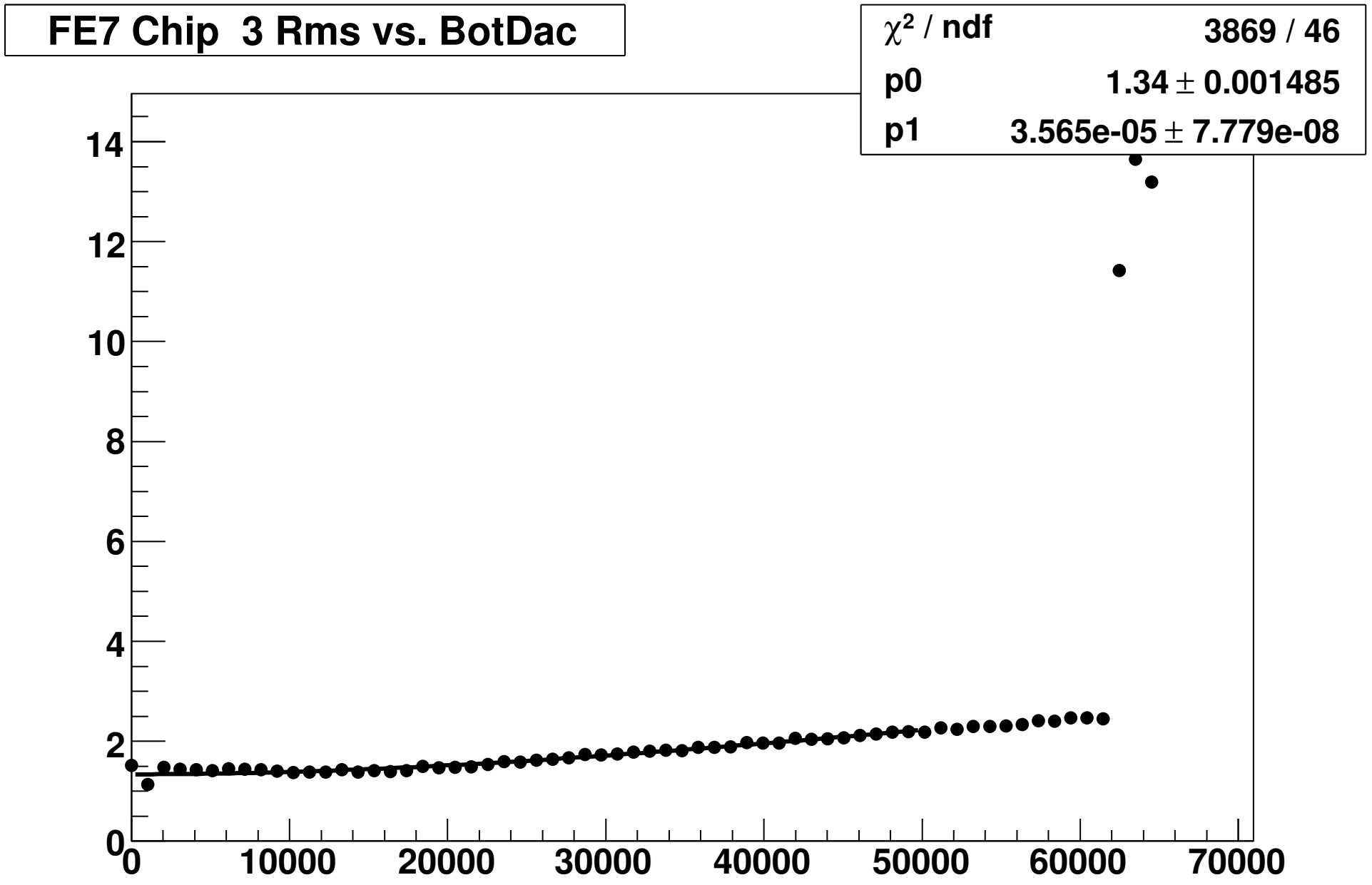

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 2.184e+05 / 46
p0 54.59 ± 0.002708
p1 0.4502 ± 1.079e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

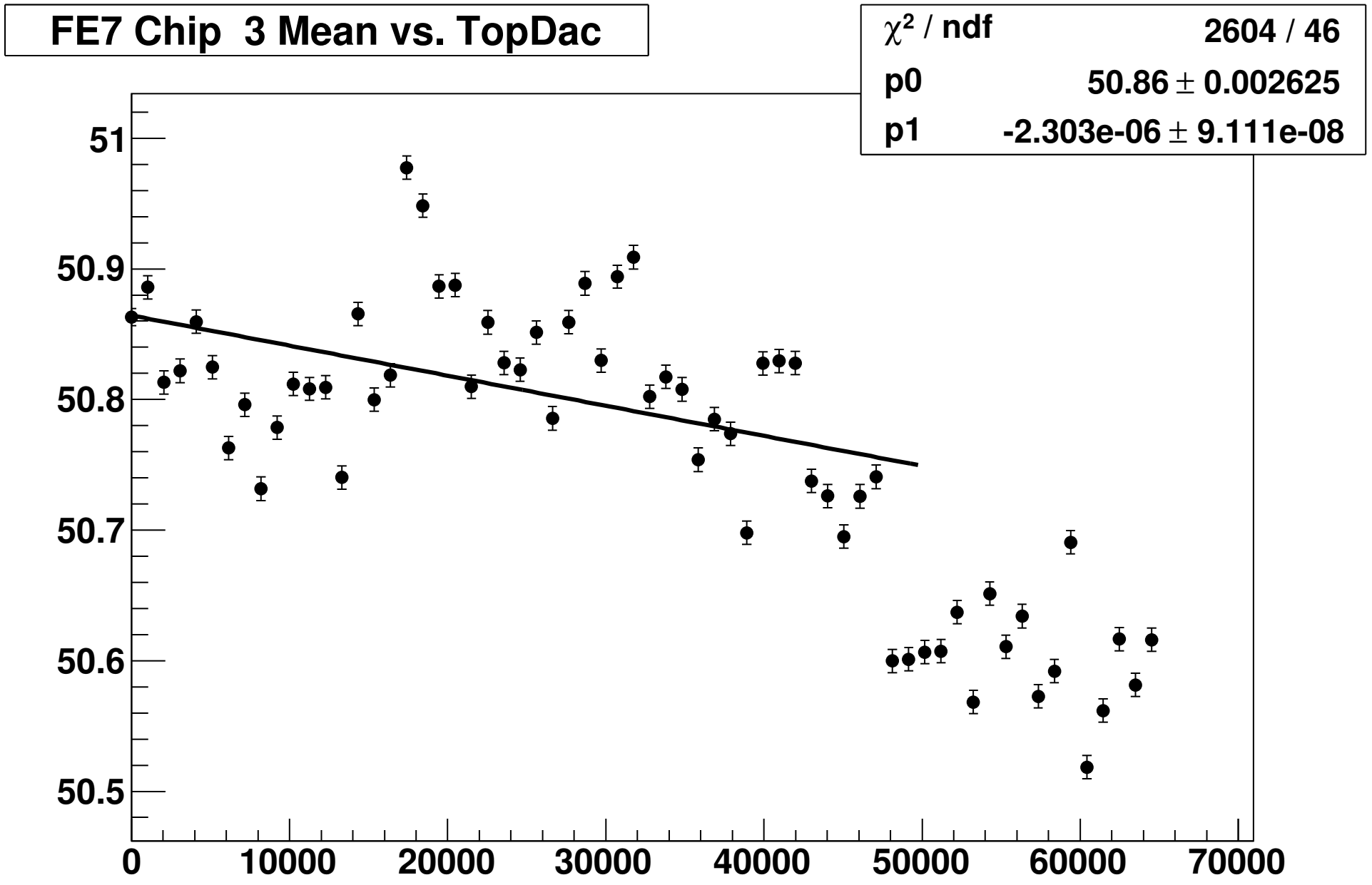

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 3139 / 46
p0 1.373 ± 0.001512
p1 3.501e-05 ± 8.068e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

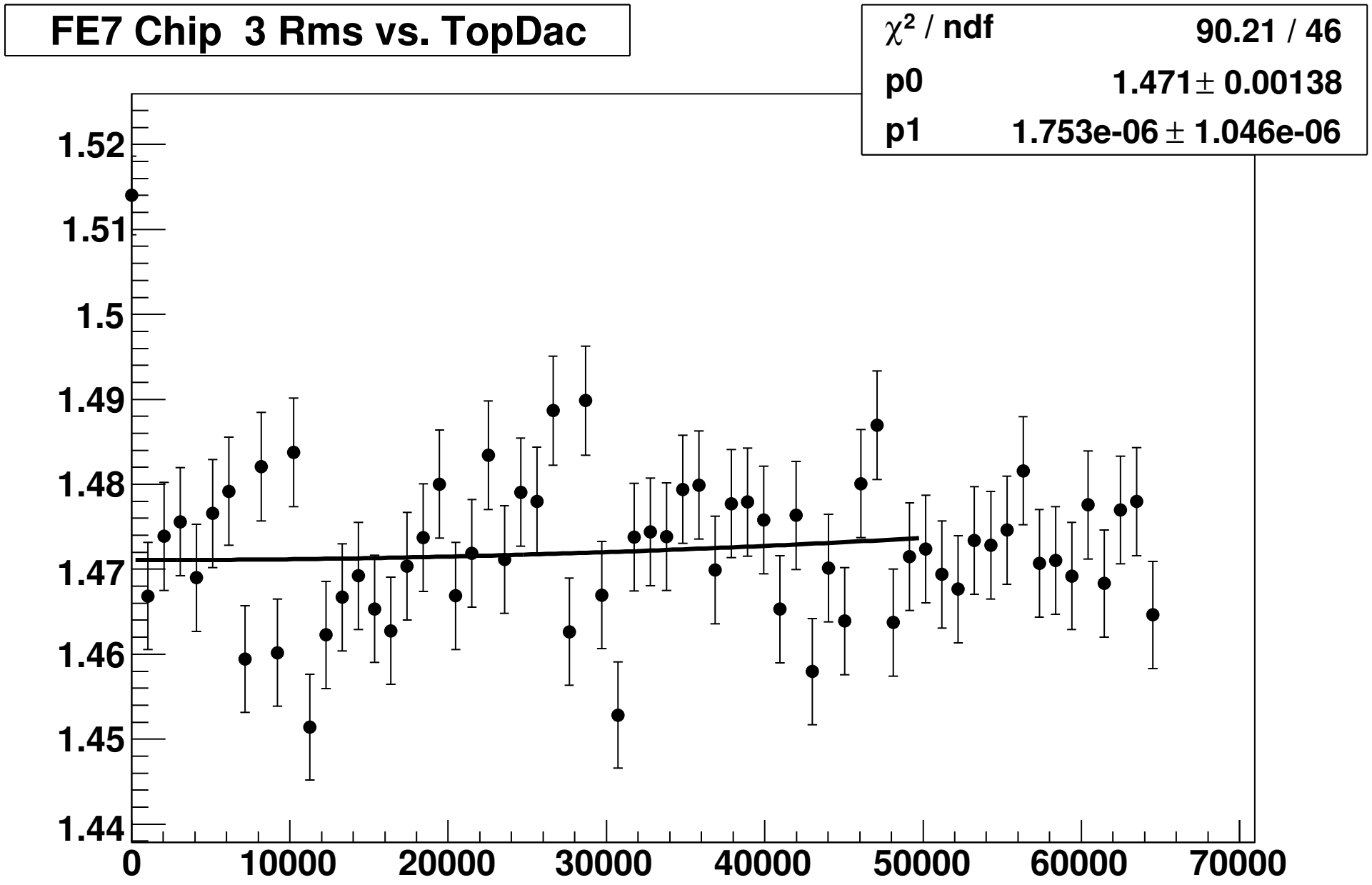

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 2926 / 46
p0 53.54 ± 0.002589
p1 -2.275e-06 ± 8.993e-08
53.7
53.6
53.5
53.4
53.3
53.2
0
10000
20000
30000
40000
50000
60000
70000

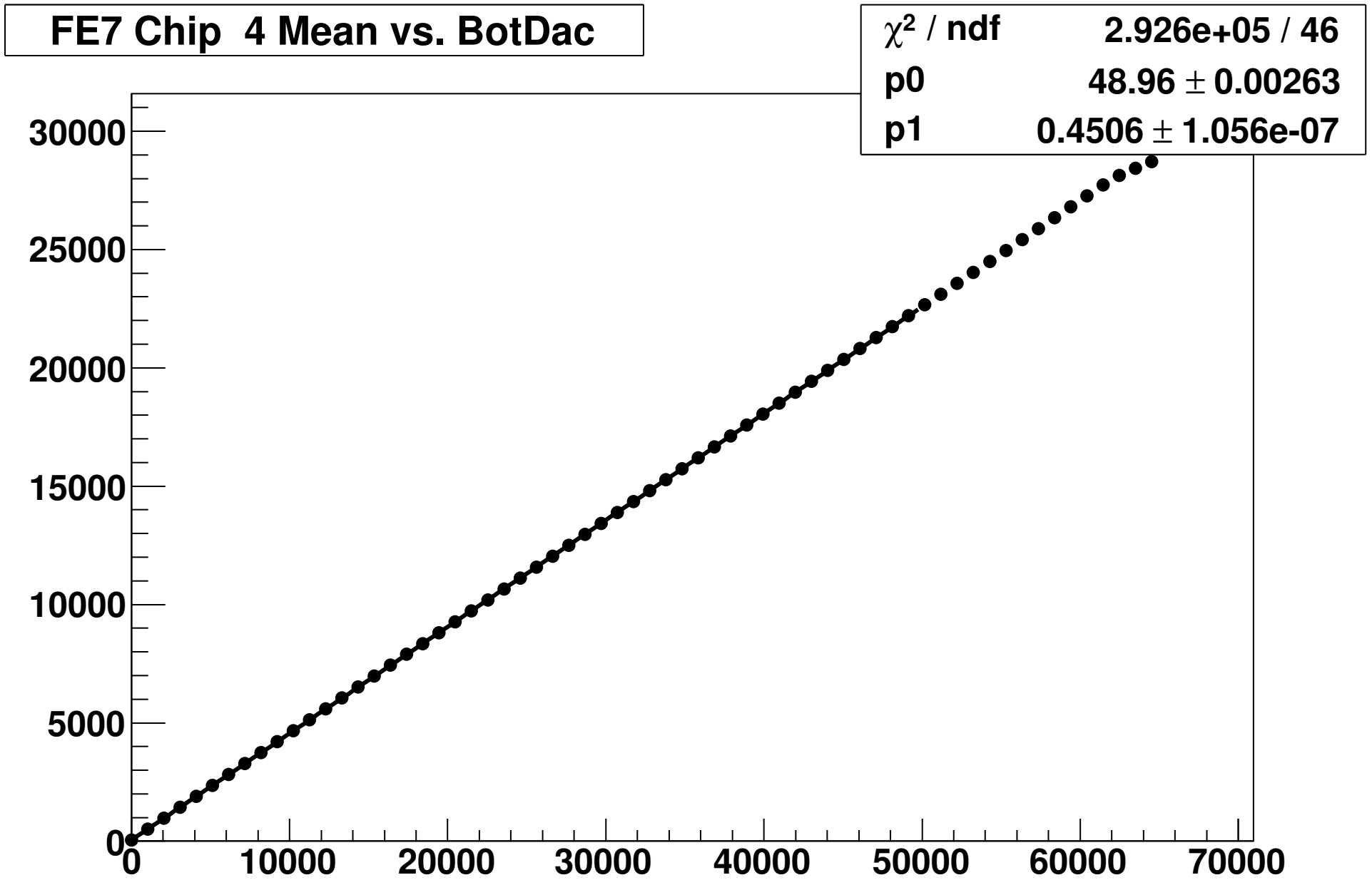

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 60.52 / 46
p0 1.45 ± 0.001362
p1 2.651e-06 ± 6.737e-07
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

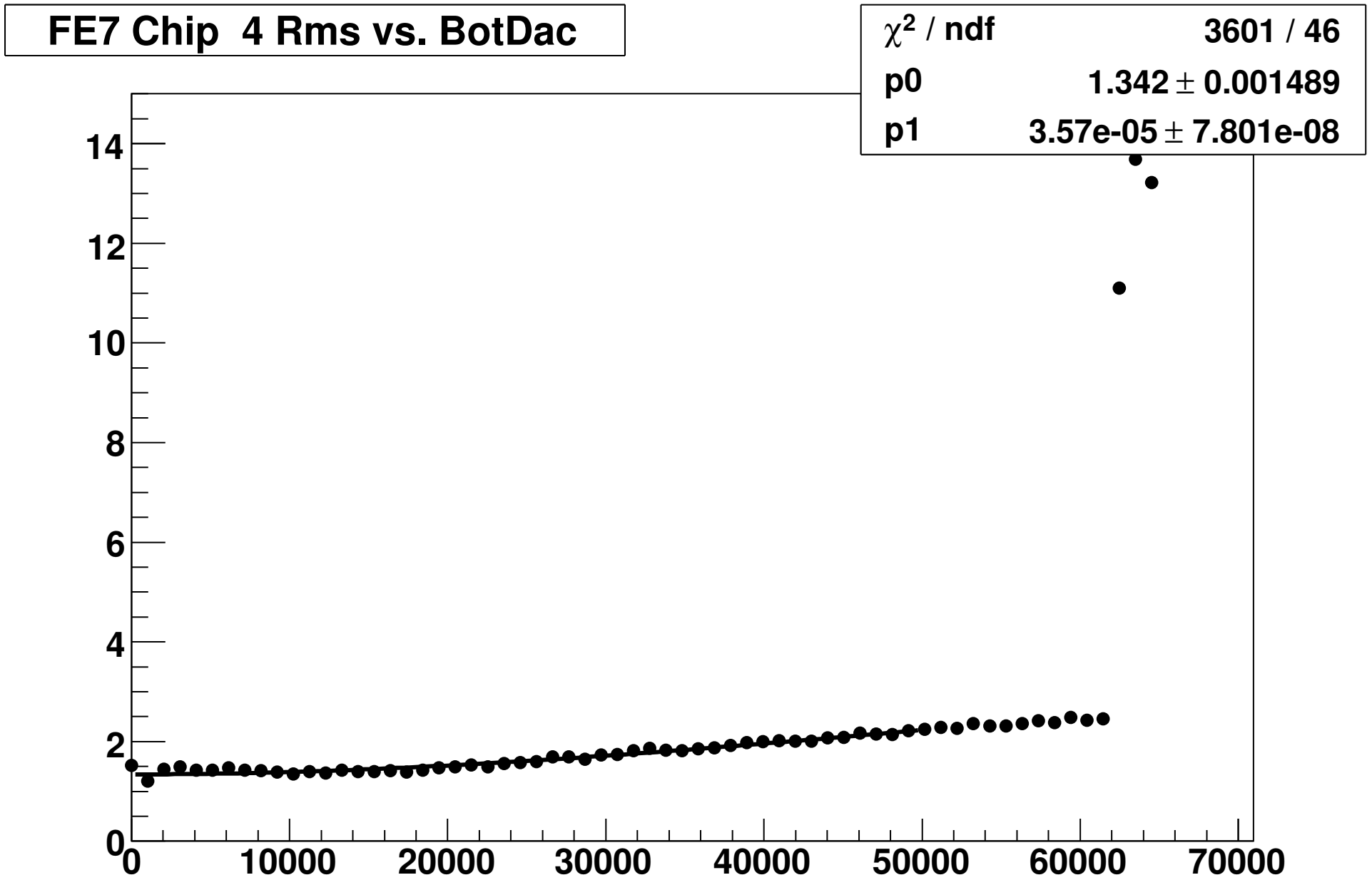

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 4.357e+05 / 46
p0 52.36 ± 0.002612
p1 0.4502 ± 1.049e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

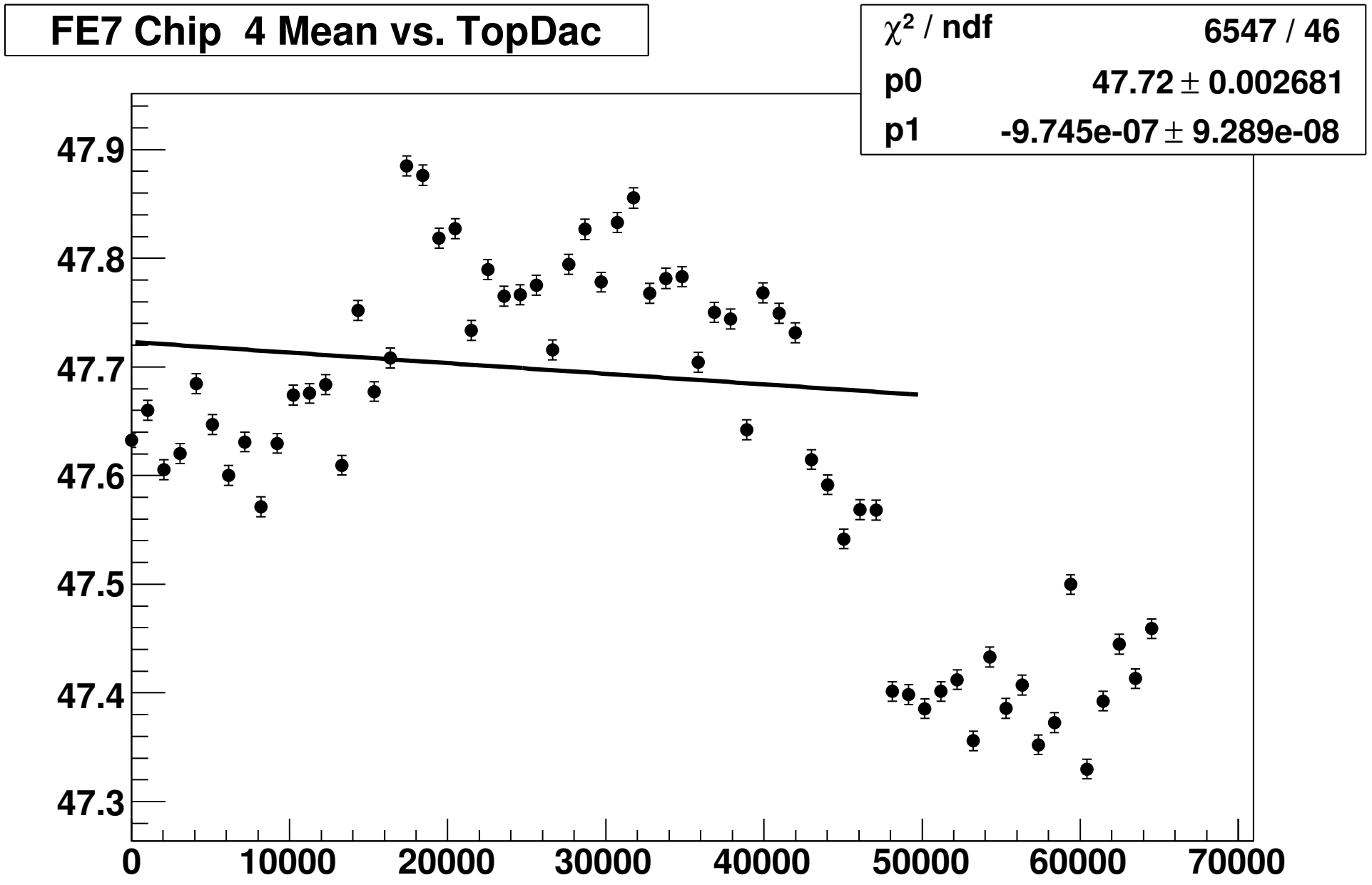

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 3869 / 46
p0 1.34 ± 0.001485
p1 3.565e-05 ± 7.779e-08
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000

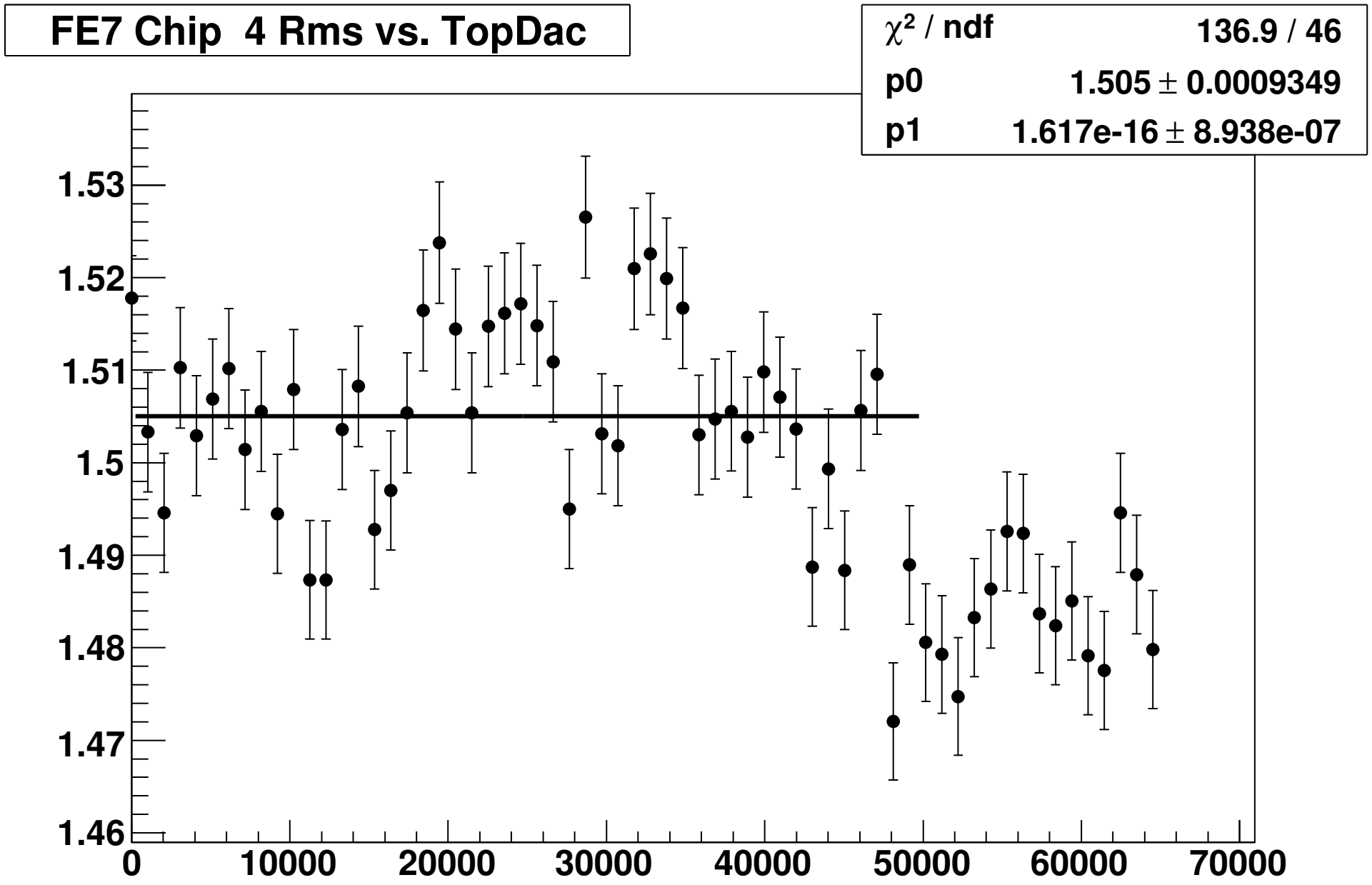

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 2604 / 46
p0 50.86 ± 0.002625
p1 -2.303e-06 ± 9.111e-08
51
50.9
50.8
50.7
50.6
50.5
0
10000
20000
30000
40000
50000
60000
70000

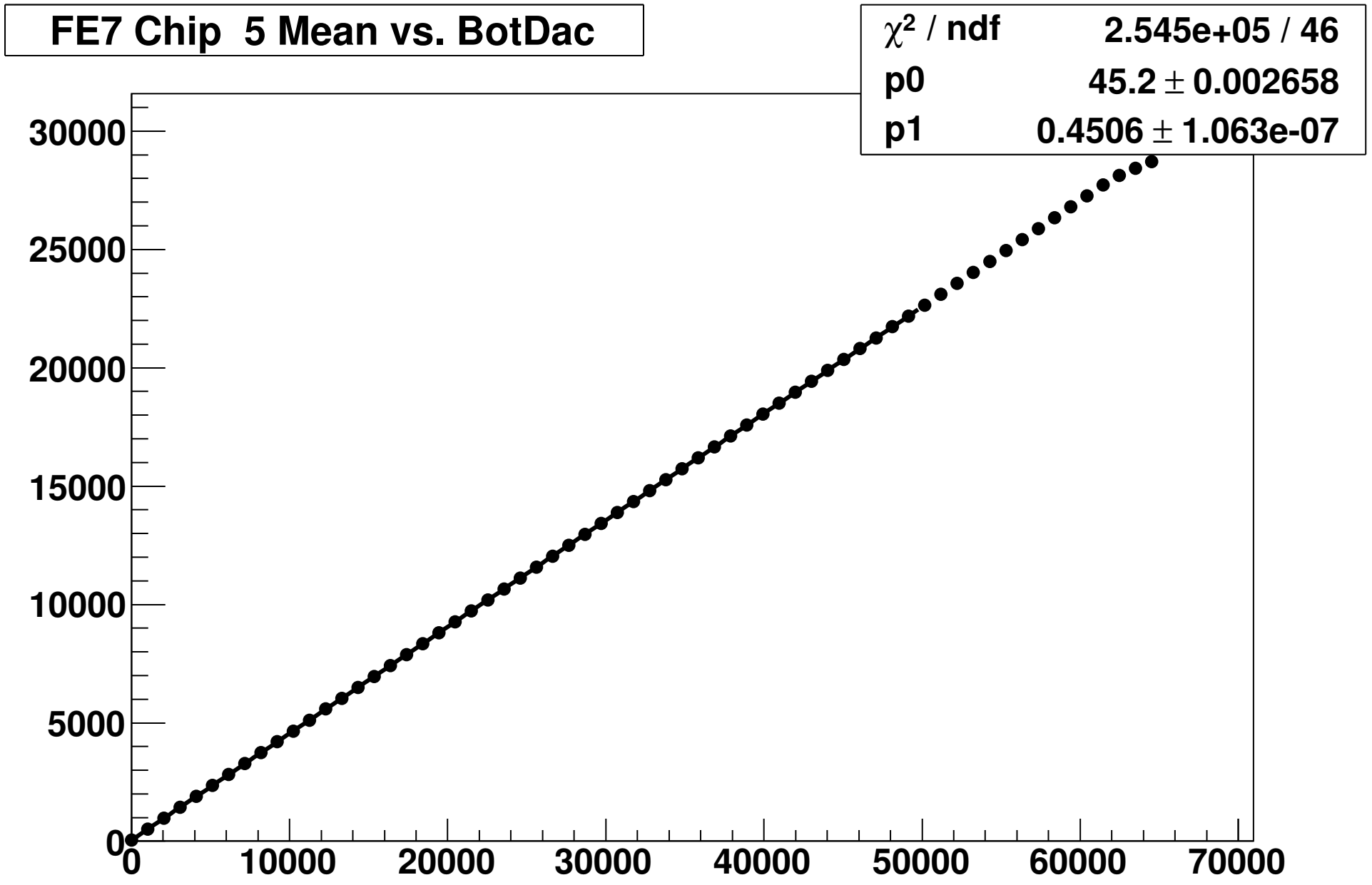

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 90.21 / 46
p0 1.471 ± 0.00138
p1 1.753e-06 ± 1.046e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

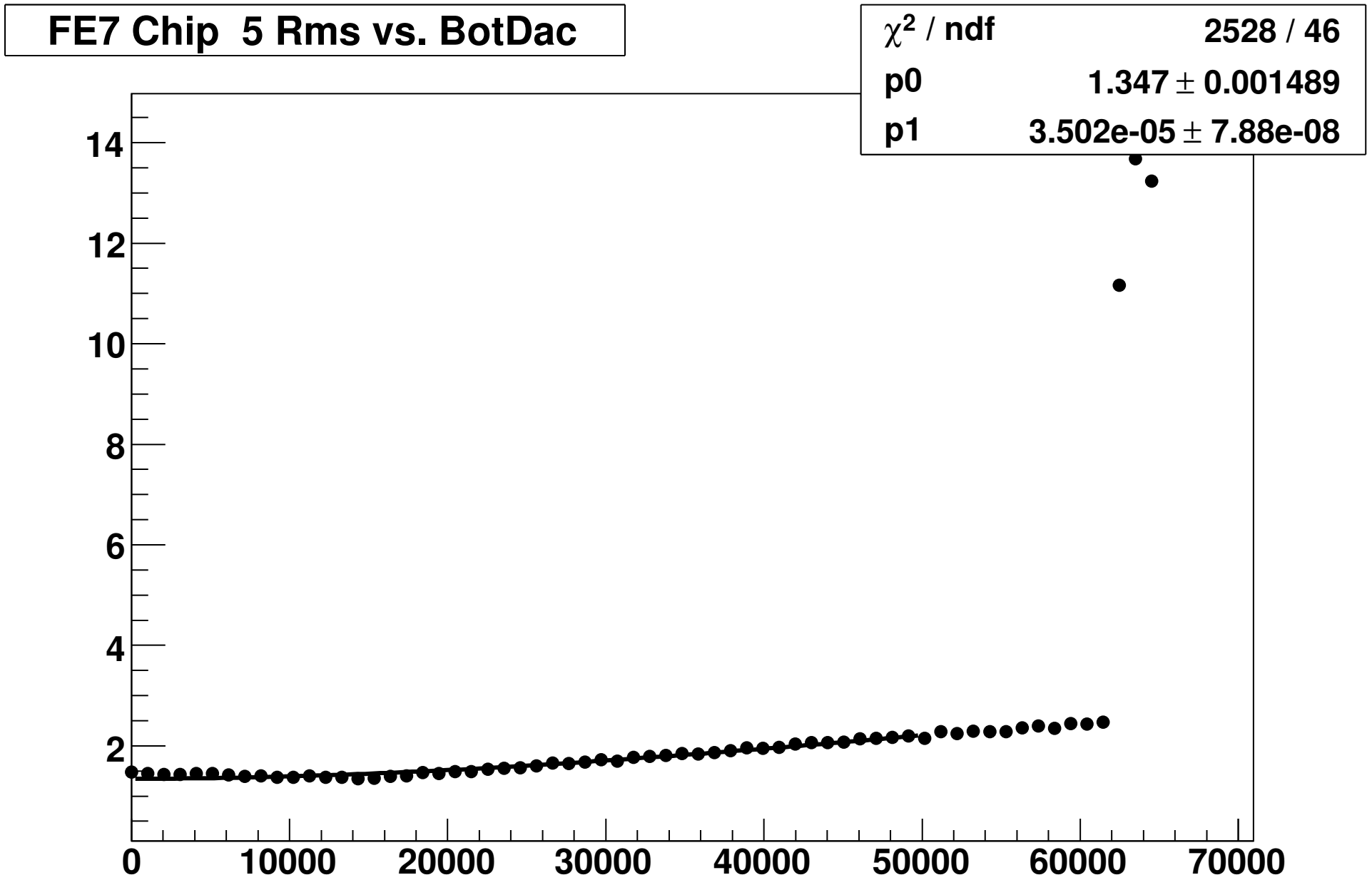

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 2.926e+05 / 46
p0 48.96 ± 0.00263
p1 0.4506 ± 1.056e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

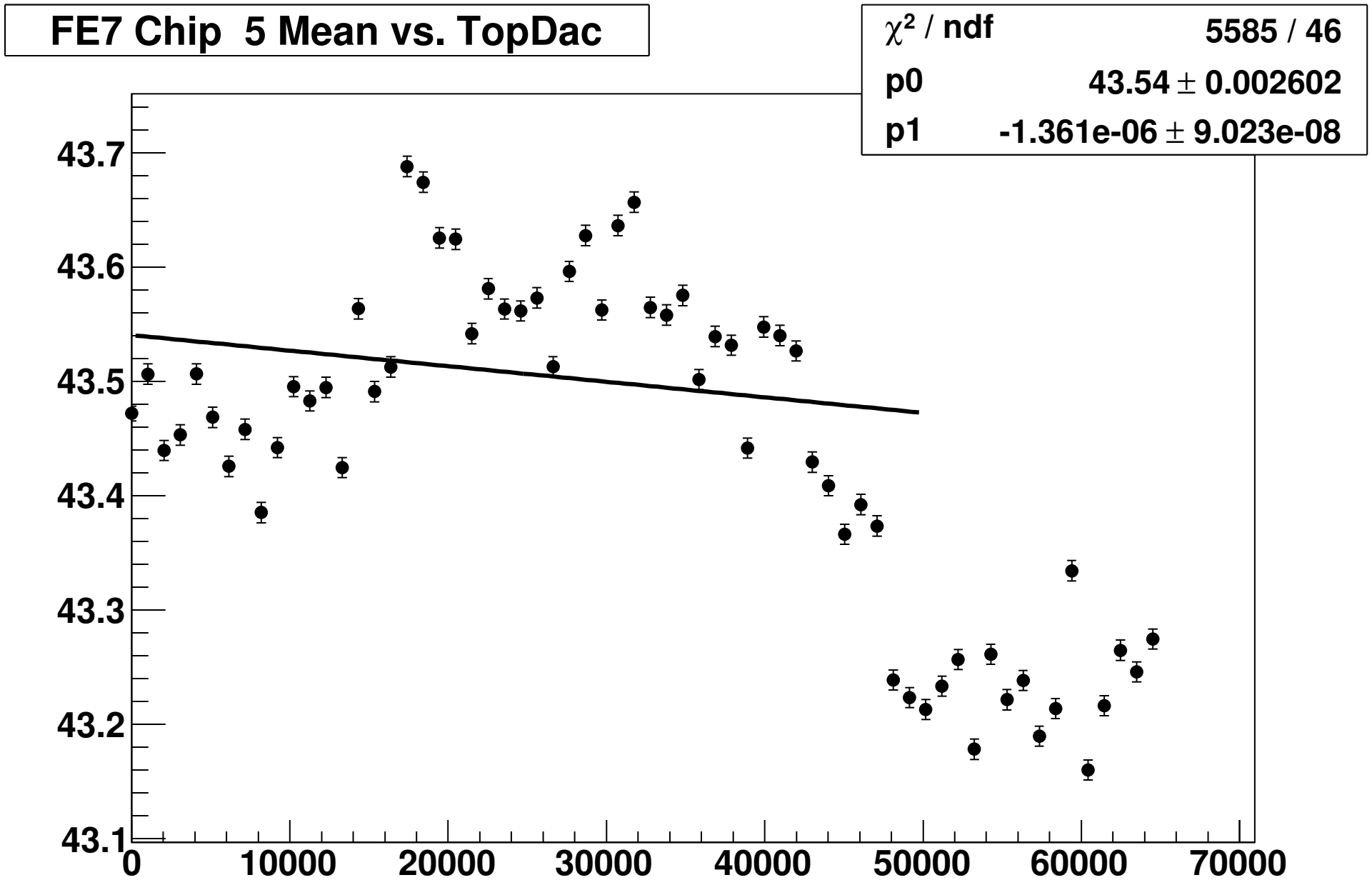

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 3601 / 46
p0 1.342 ± 0.001489
p1 3.57e-05 ± 7.801e-08
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000

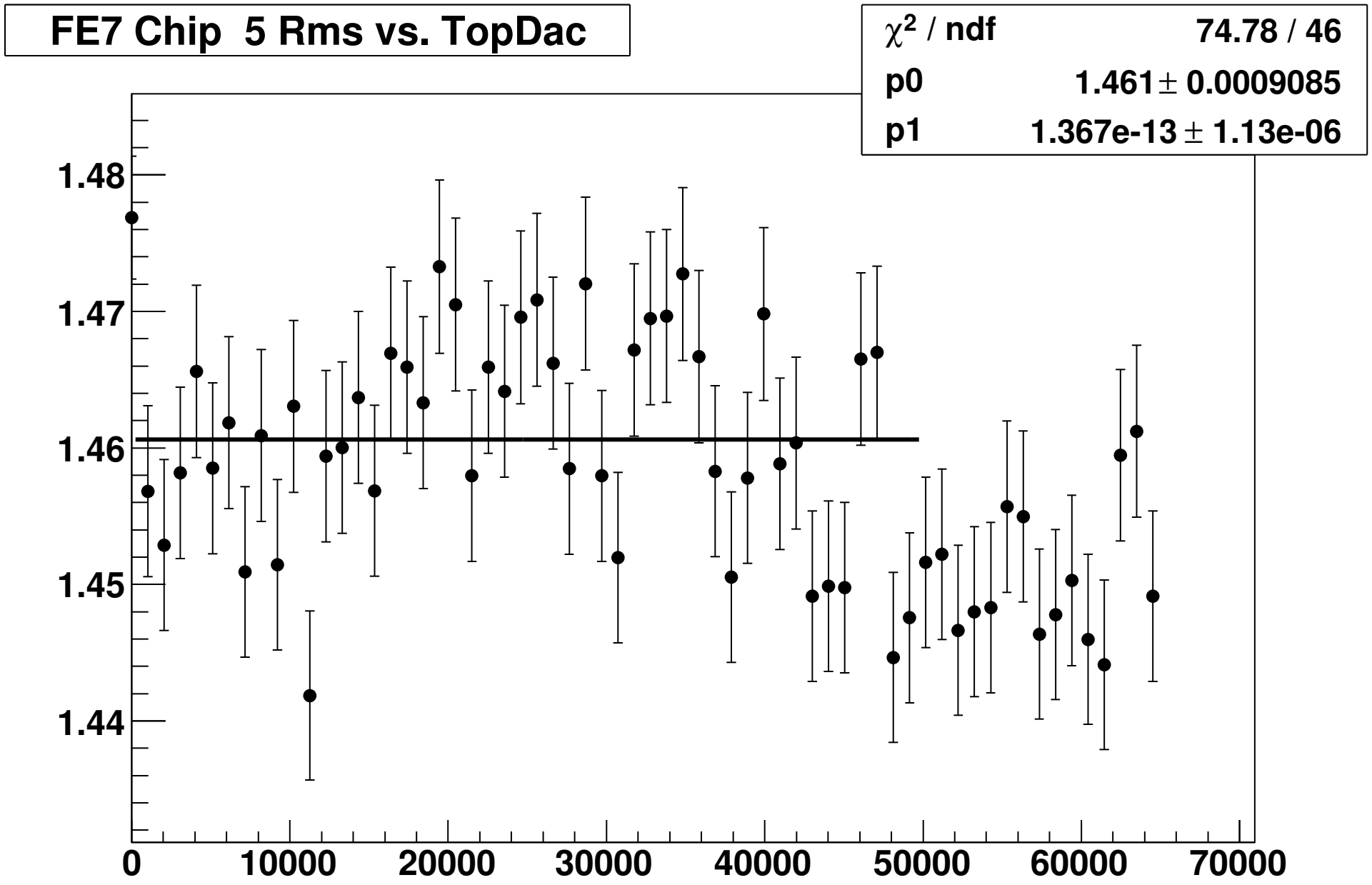

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 6547 / 46
p0 47.72 ± 0.002681
p1 -9.745e-07 ± 9.289e-08
47.9
47.8
47.7
47.6
47.5
47.4
47.3
0
10000
20000
30000
40000
50000
60000
70000

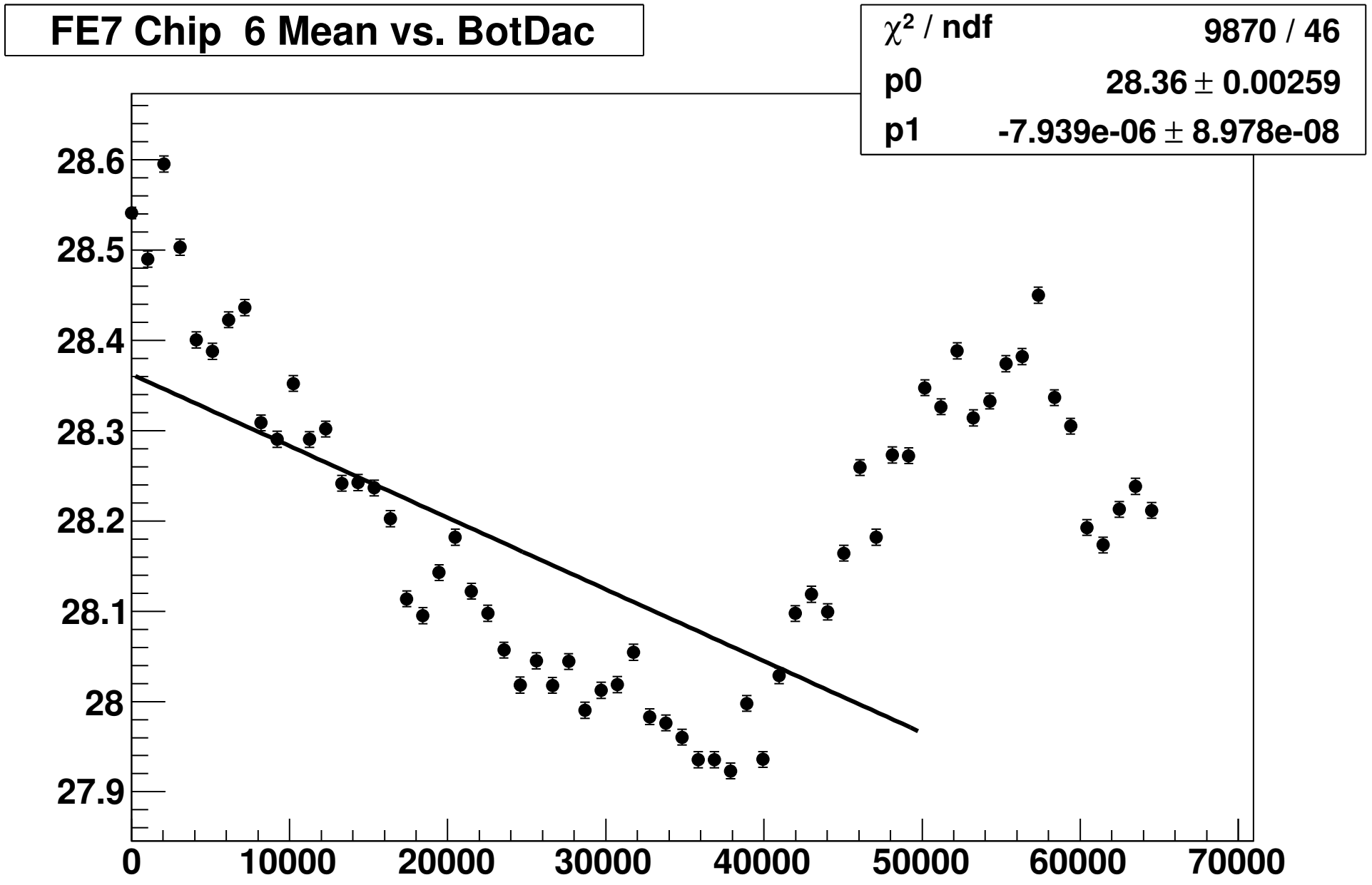

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 136.9 / 46
p0 1.505 ± 0.0009349
p1 1.617e-16 ± 8.938e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

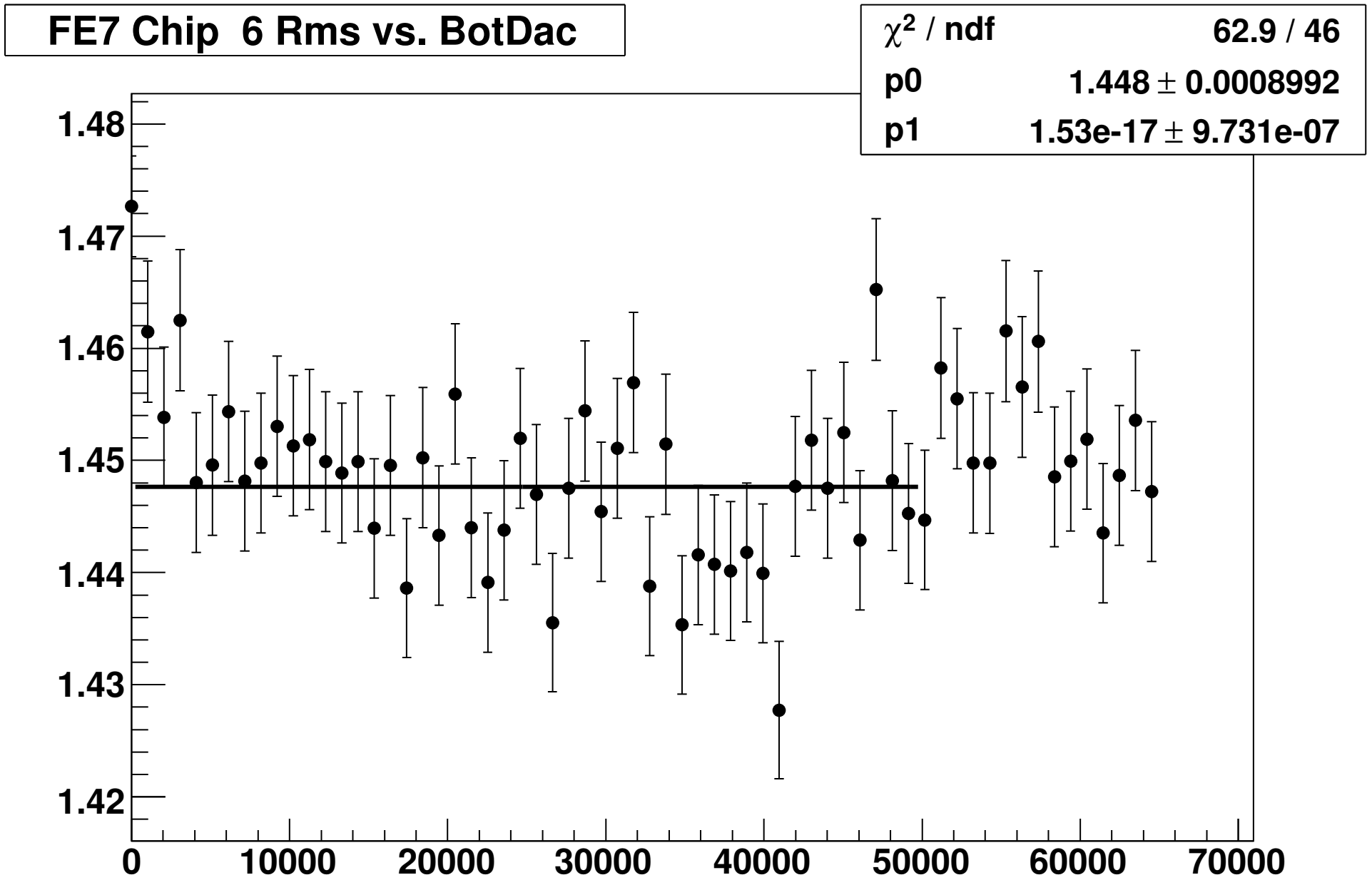

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 2.545e+05 / 46
p0 45.2 ± 0.002658
p1 0.4506 ± 1.063e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

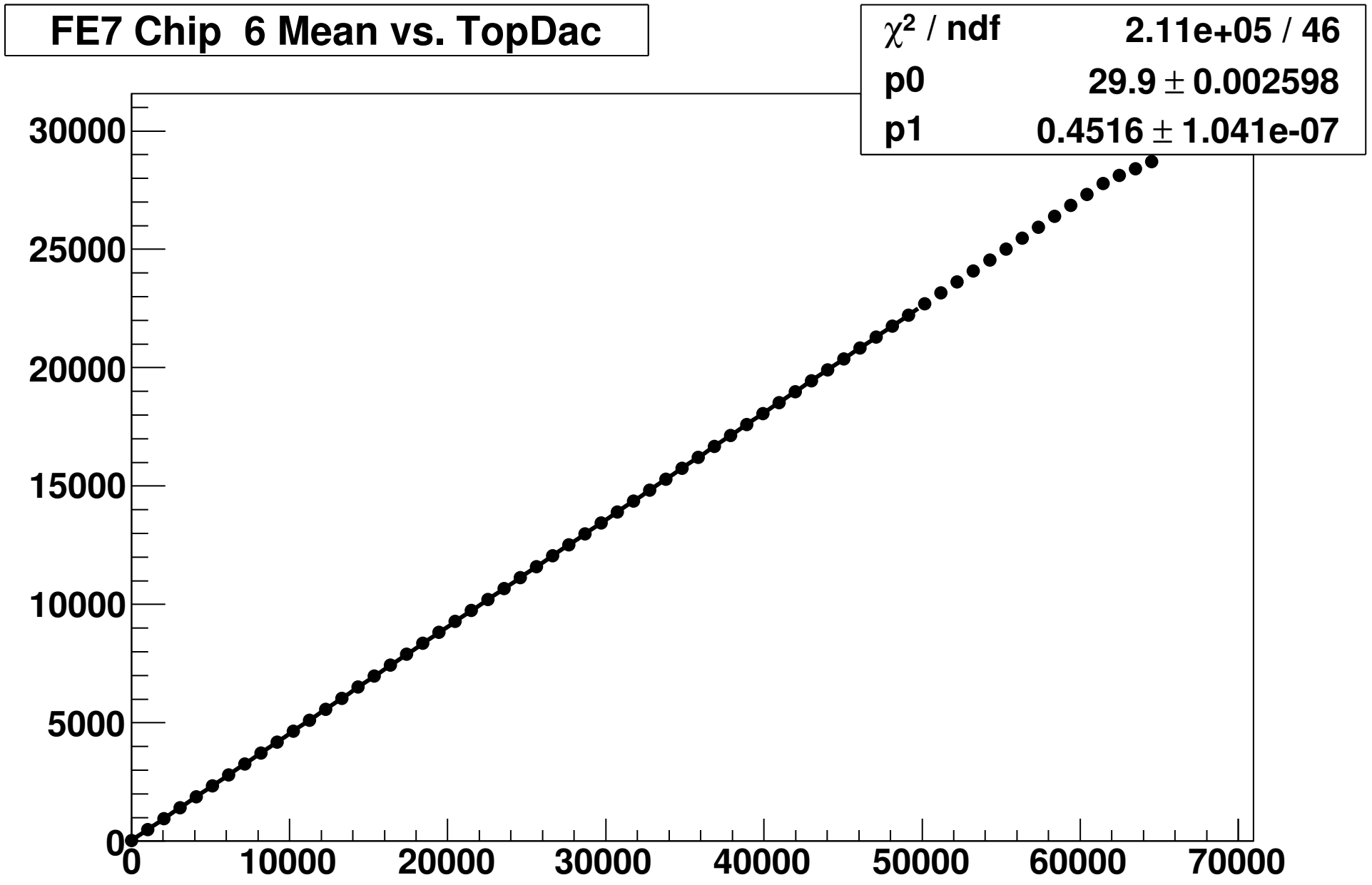

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 2528 / 46
p0 1.347 ± 0.001489
p1 3.502e-05 ± 7.88e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

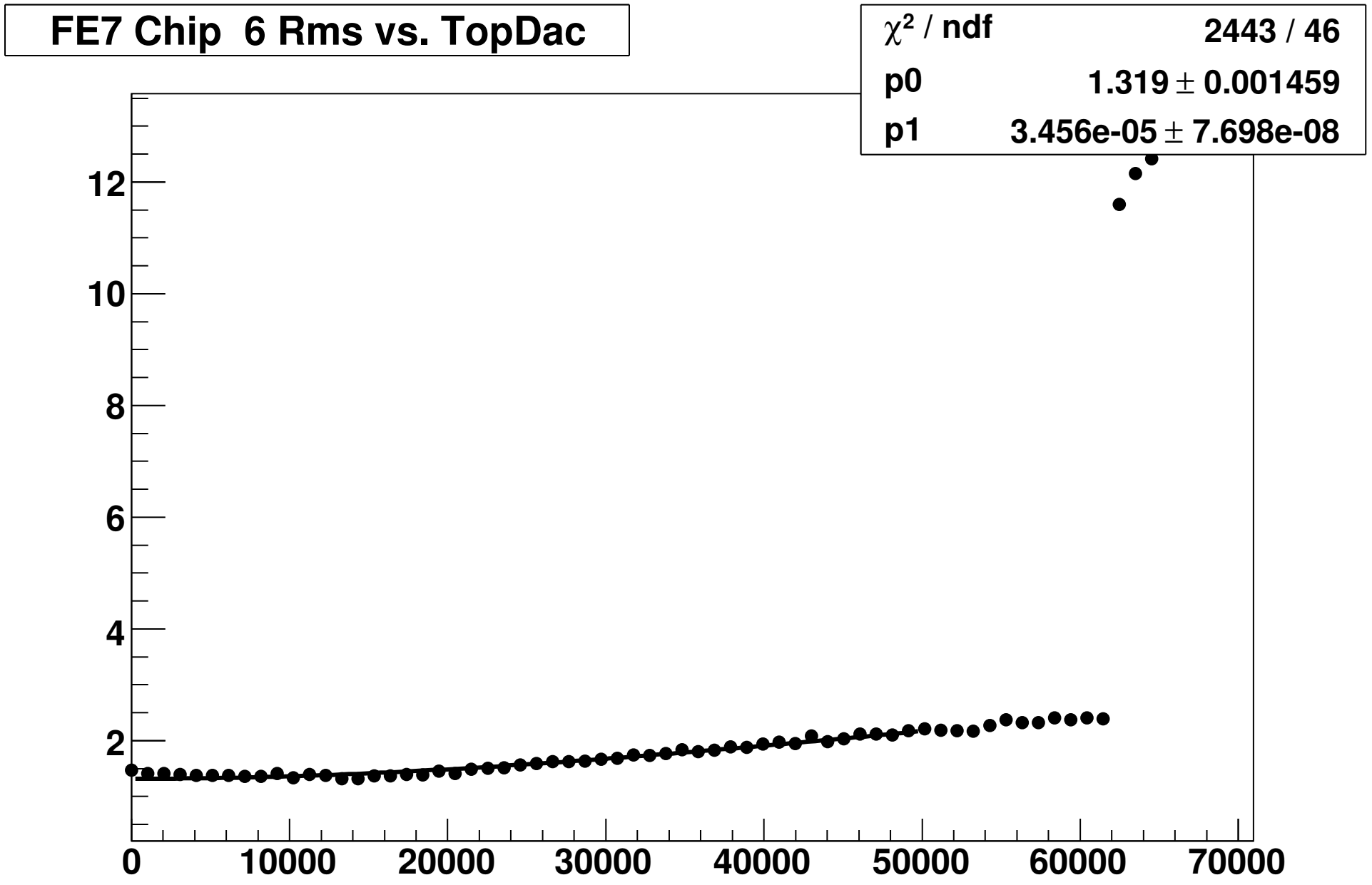

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 5585 / 46
p0 43.54 ± 0.002602
p1 -1.361e-06 ± 9.023e-08
43.7
43.6
43.5
43.4
43.3
43.2
43.1
0
10000
20000
30000
40000
50000
60000
70000

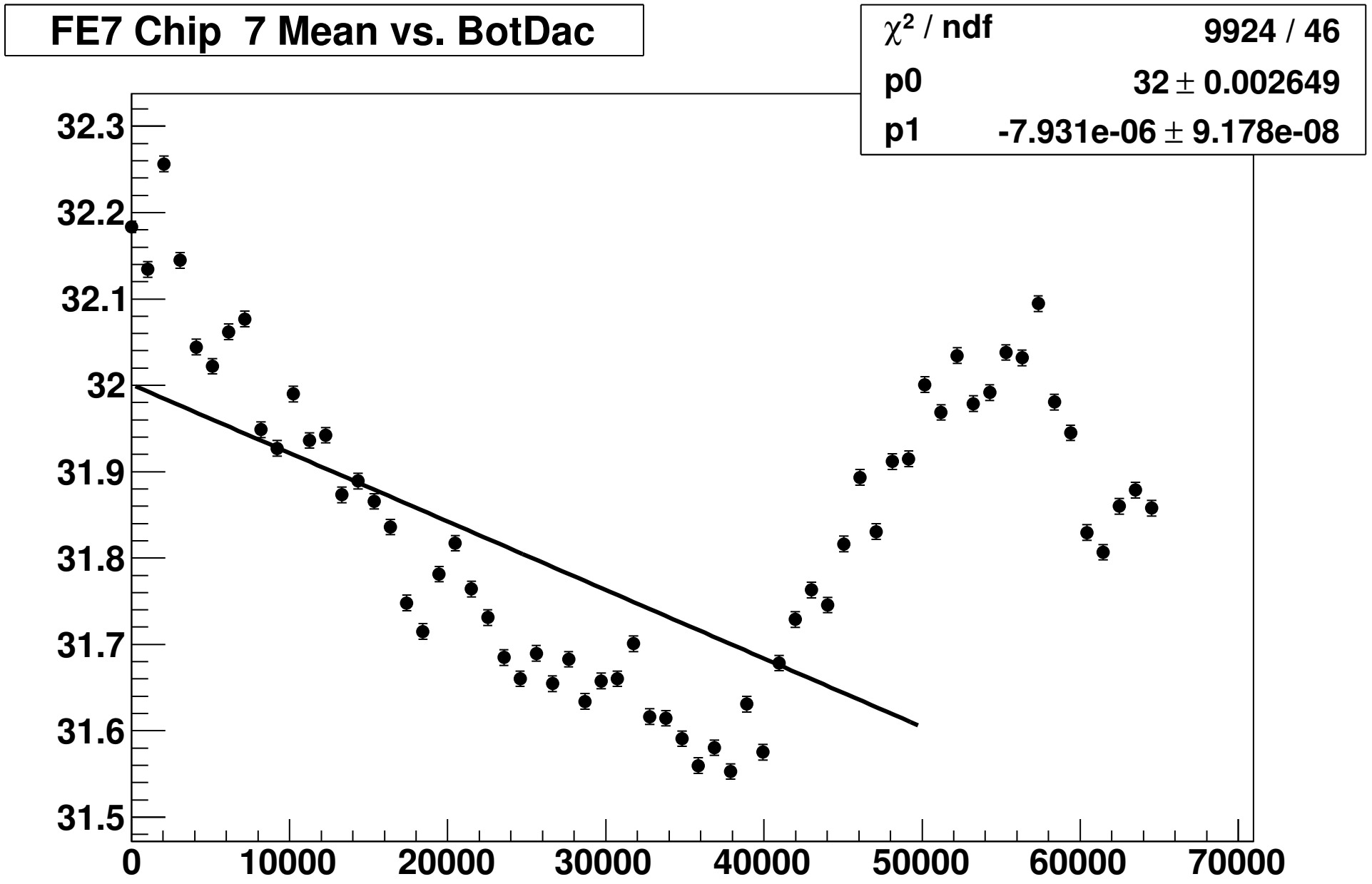

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 74.78 / 46
p0 1.461 ± 0.0009085
p1 1.367e-13 ± 1.13e-06
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

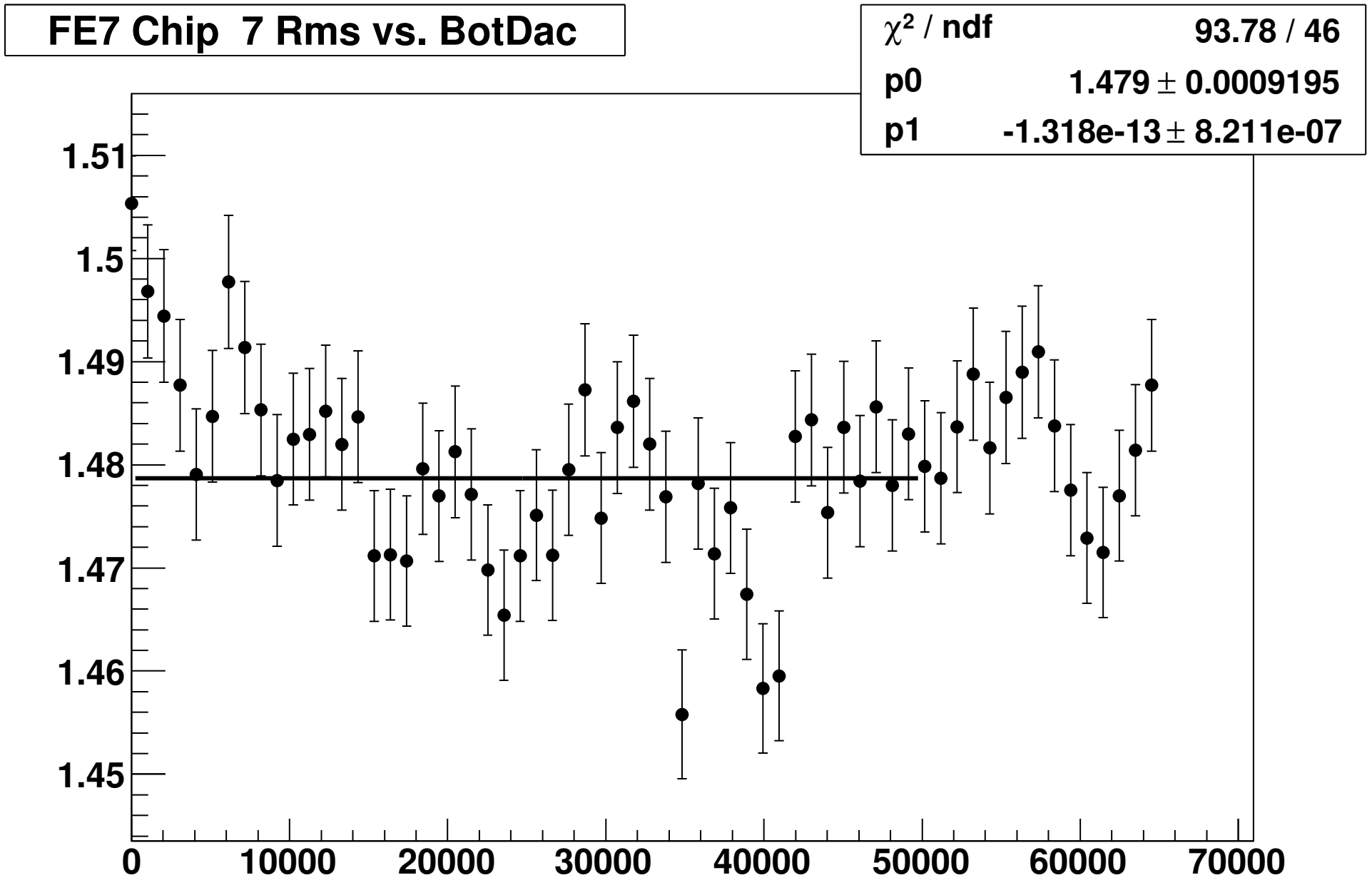

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 9870 / 46
p0 28.36 ± 0.00259
p1 -7.939e-06 ± 8.978e-08
28.6
28.5
28.4
28.3
28.2
28.1
28
27.9
0
10000
20000
30000
40000
50000
60000
70000

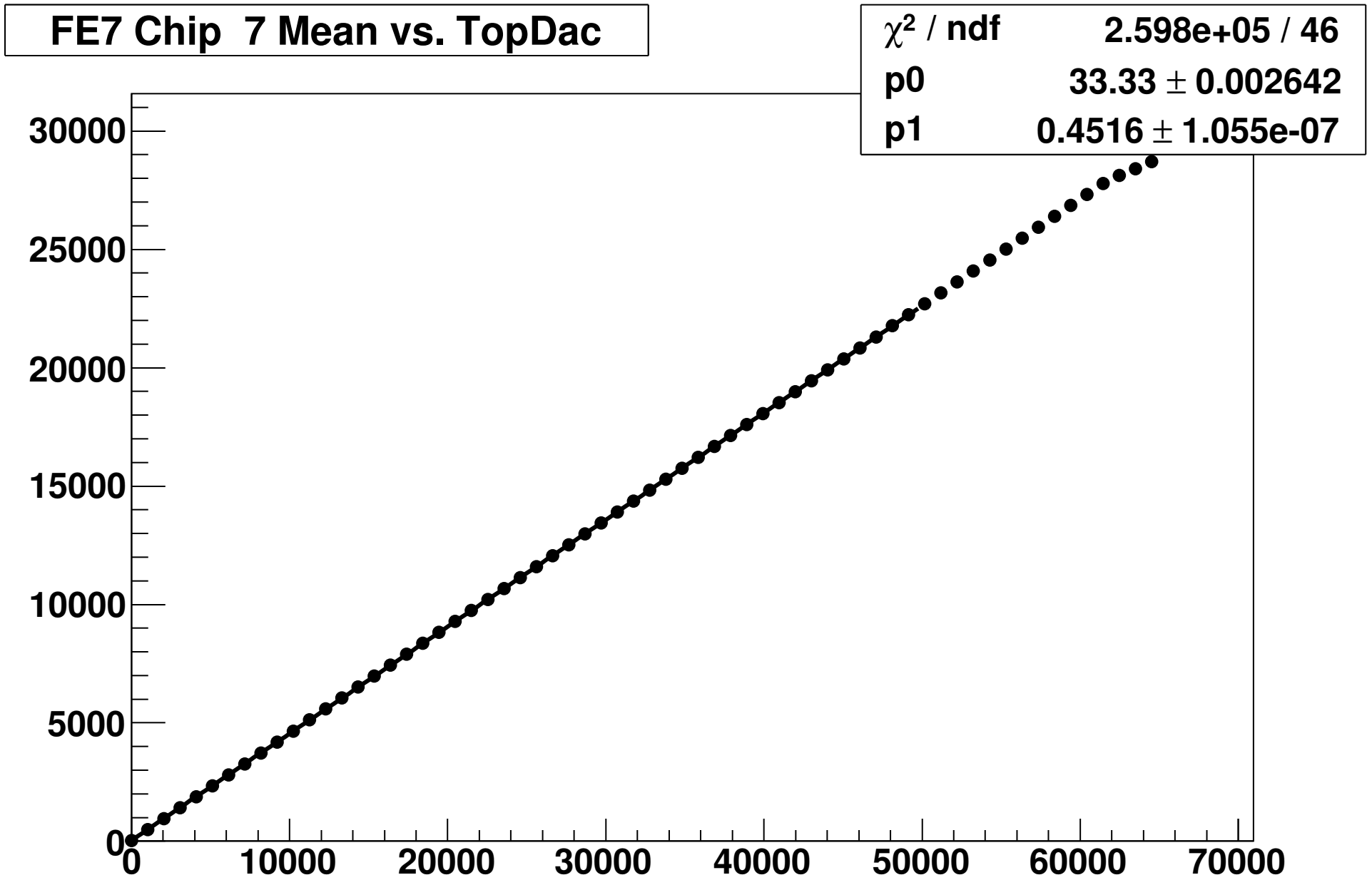

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 62.9 / 46
p0 1.448 ± 0.0008992
p1 1.53e-17 ± 9.731e-07
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

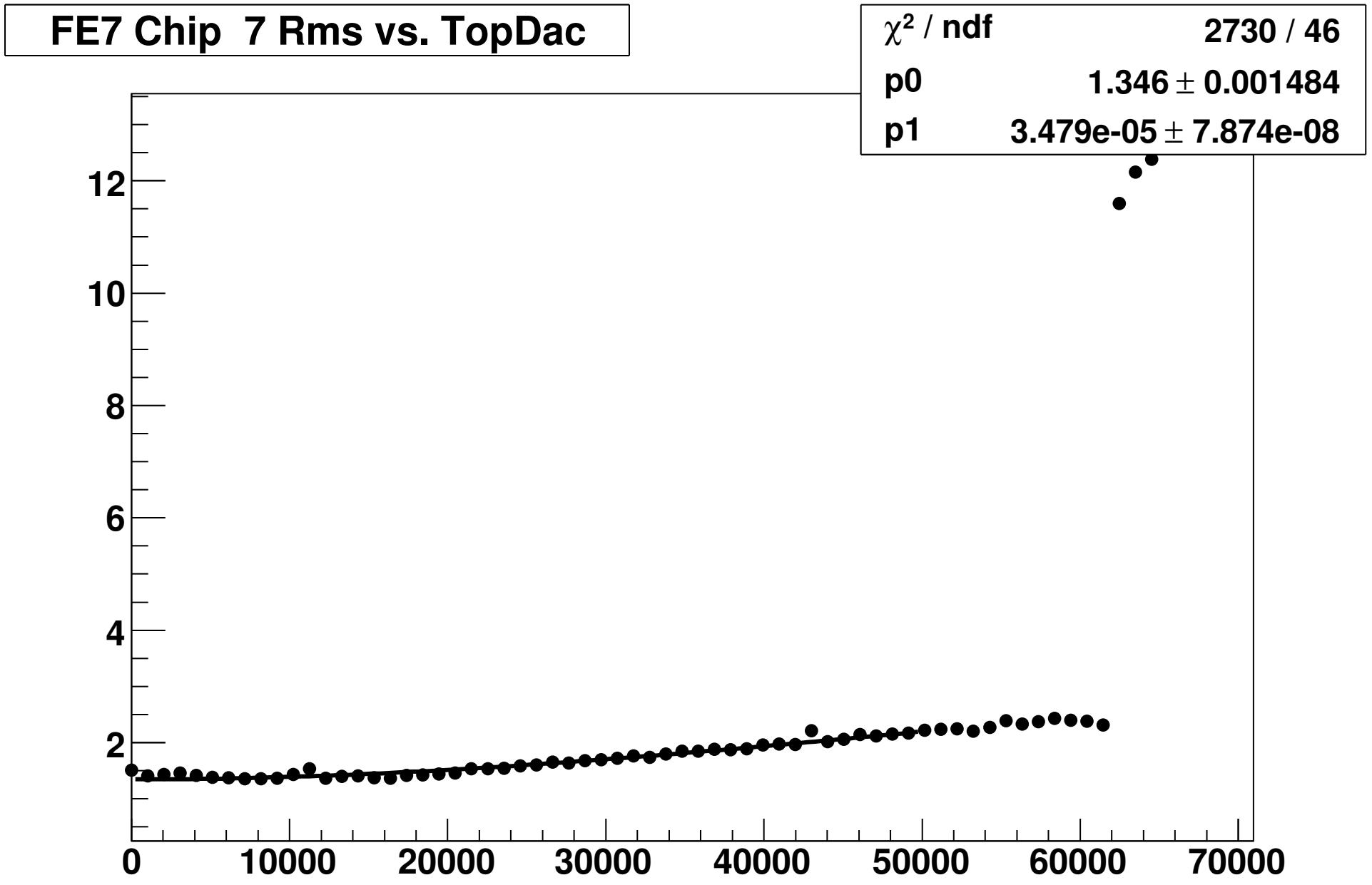

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 2.11e+05 / 46
p0 29.9 ± 0.002598
p1 0.4516 ± 1.041e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

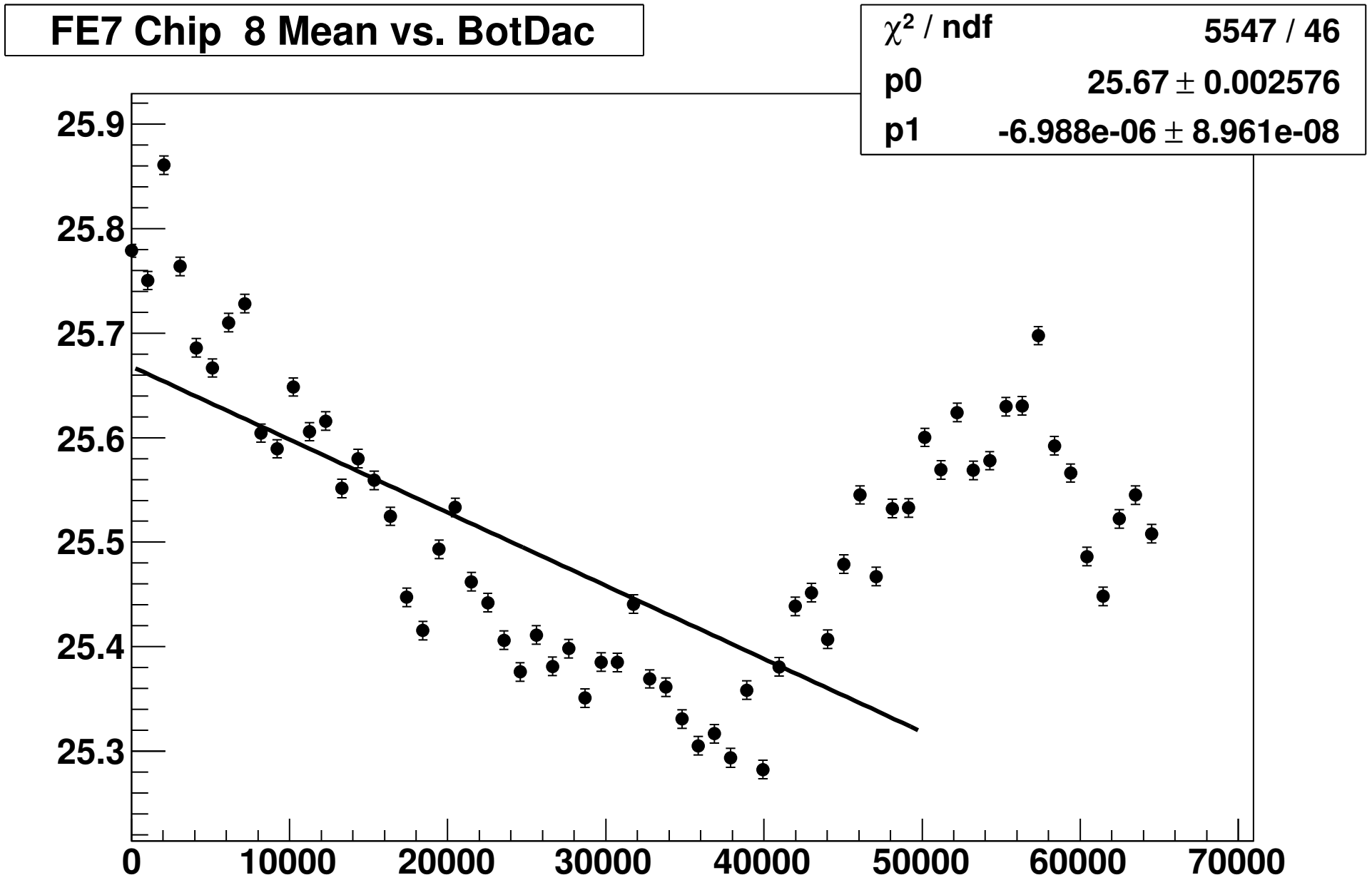

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 2443 / 46
p0 1.319 ± 0.001459
p1 3.456e-05 ± 7.698e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

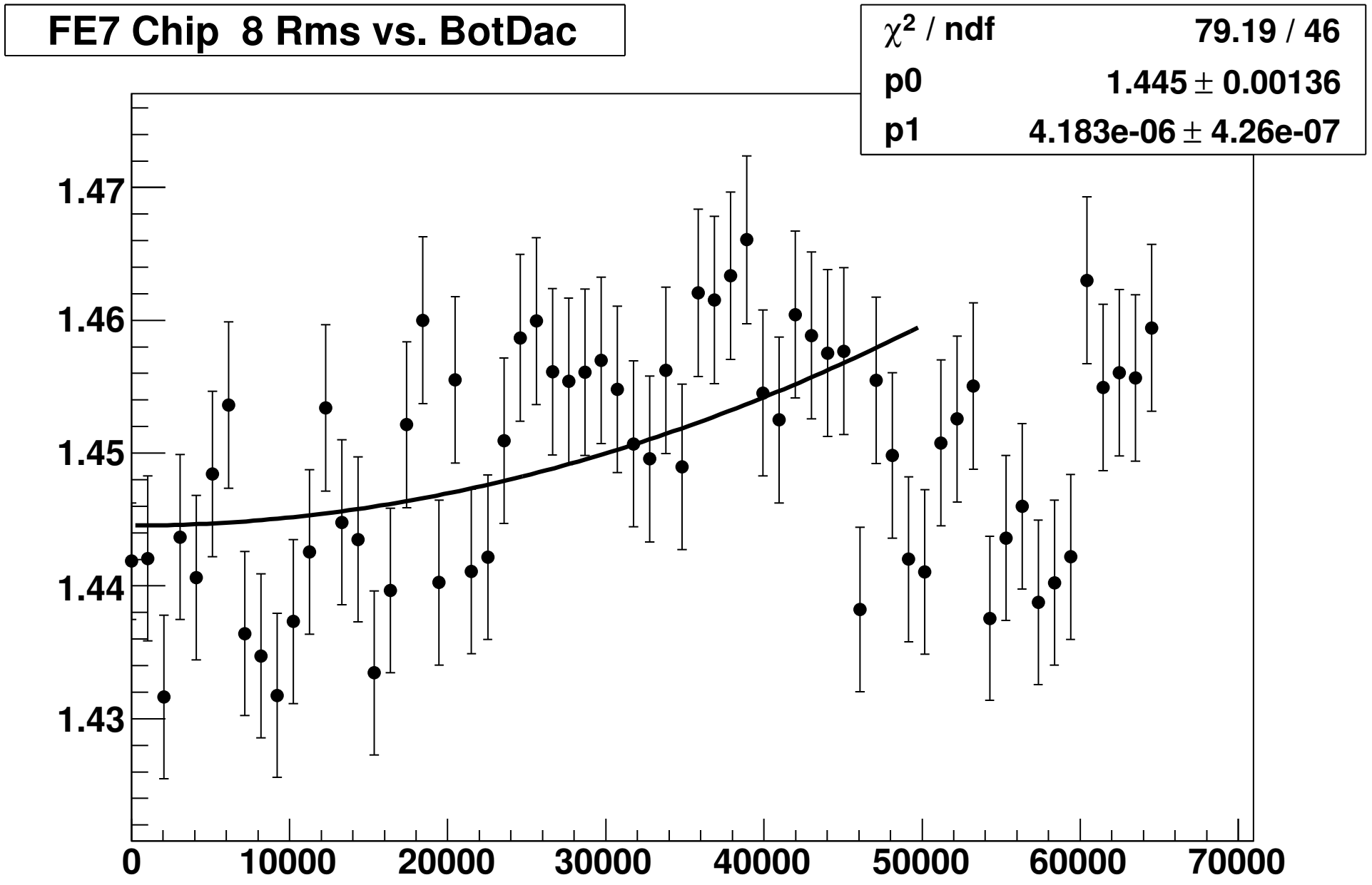

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 9924 / 46
p0 32 ± 0.002649
p1 -7.931e-06 ± 9.178e-08
32.3
32.2
32.1
32
31.9
31.8
31.7
31.6
31.5
0
10000
20000
30000
40000
50000
60000
70000

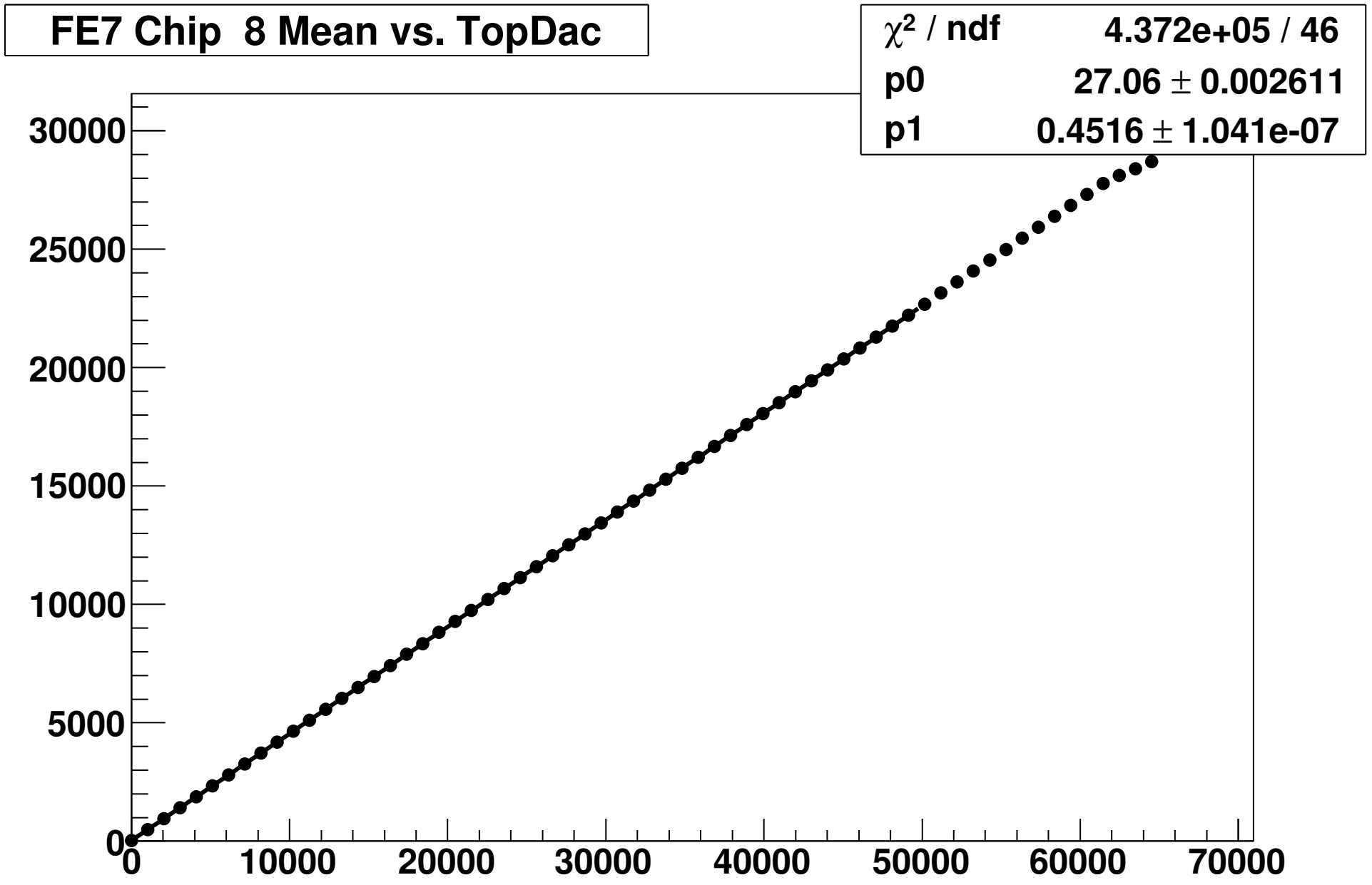

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 93.78 / 46
p0 1.479 ± 0.0009195
p1 -1.318e-13 ± 8.211e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

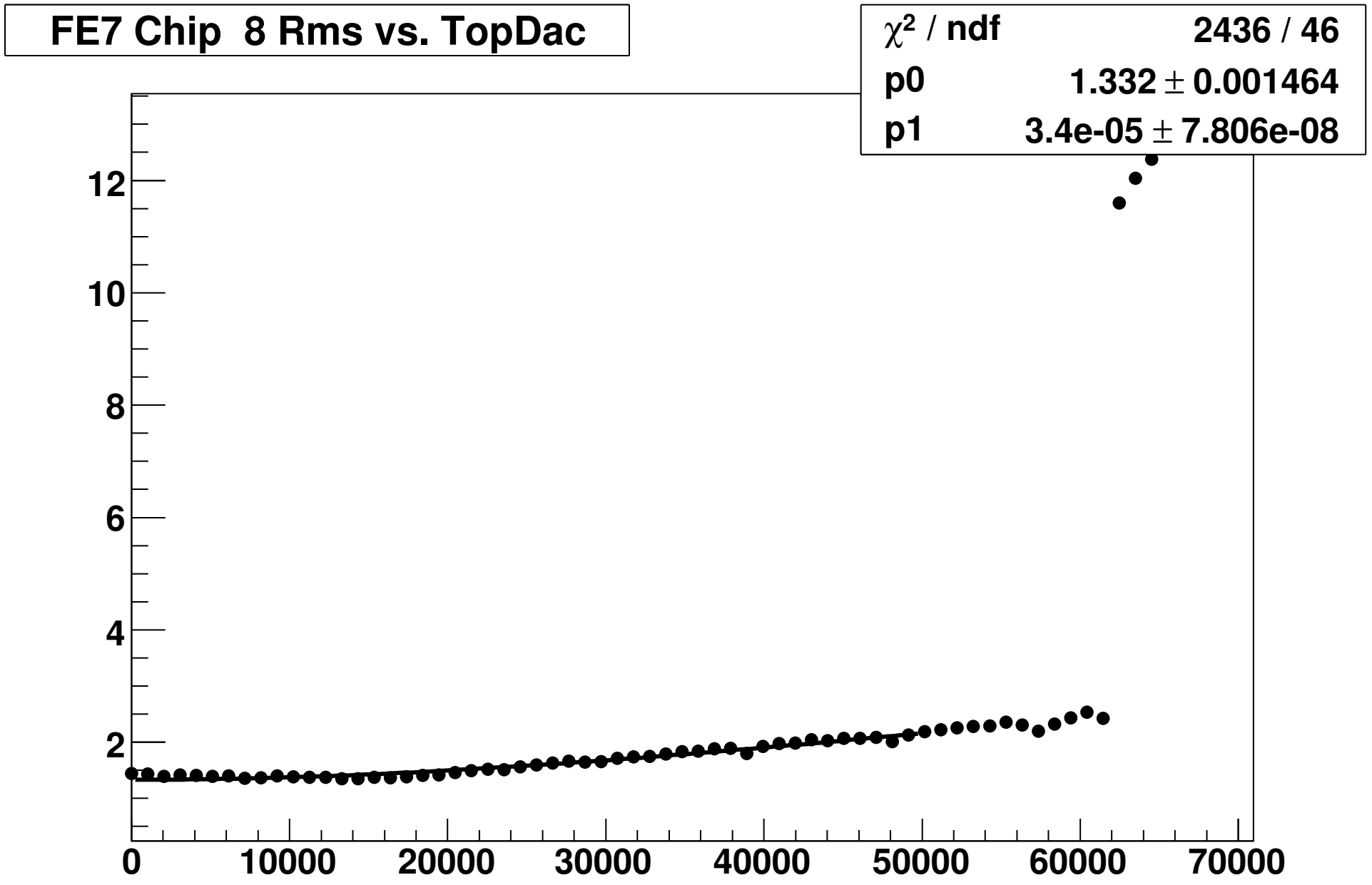

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 2.598e+05 / 46
p0 33.33 ± 0.002642
p1 0.4516 ± 1.055e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

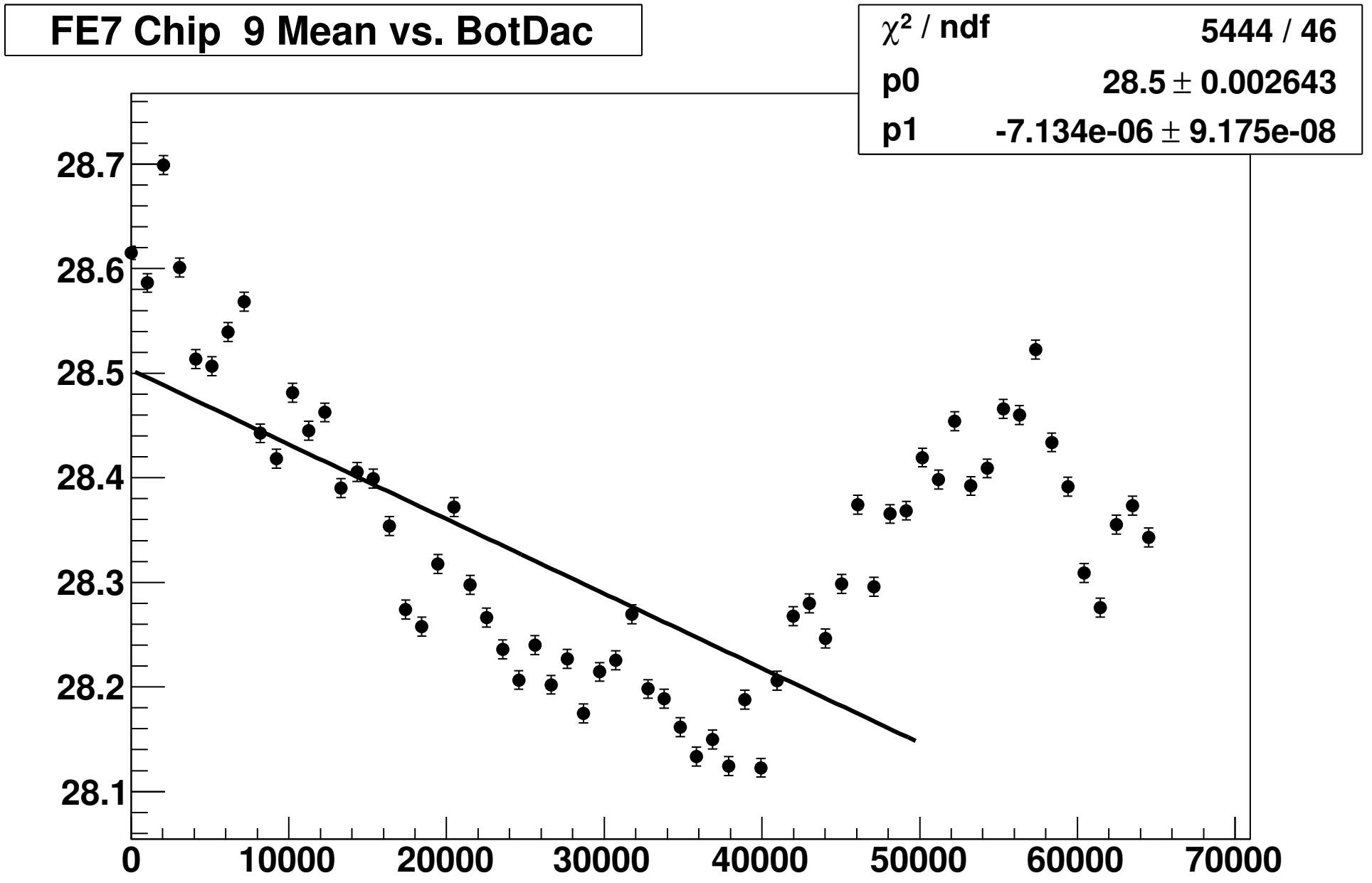

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 2730 / 46
p0 1.346 ± 0.001484
p1 3.479e-05 ± 7.874e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

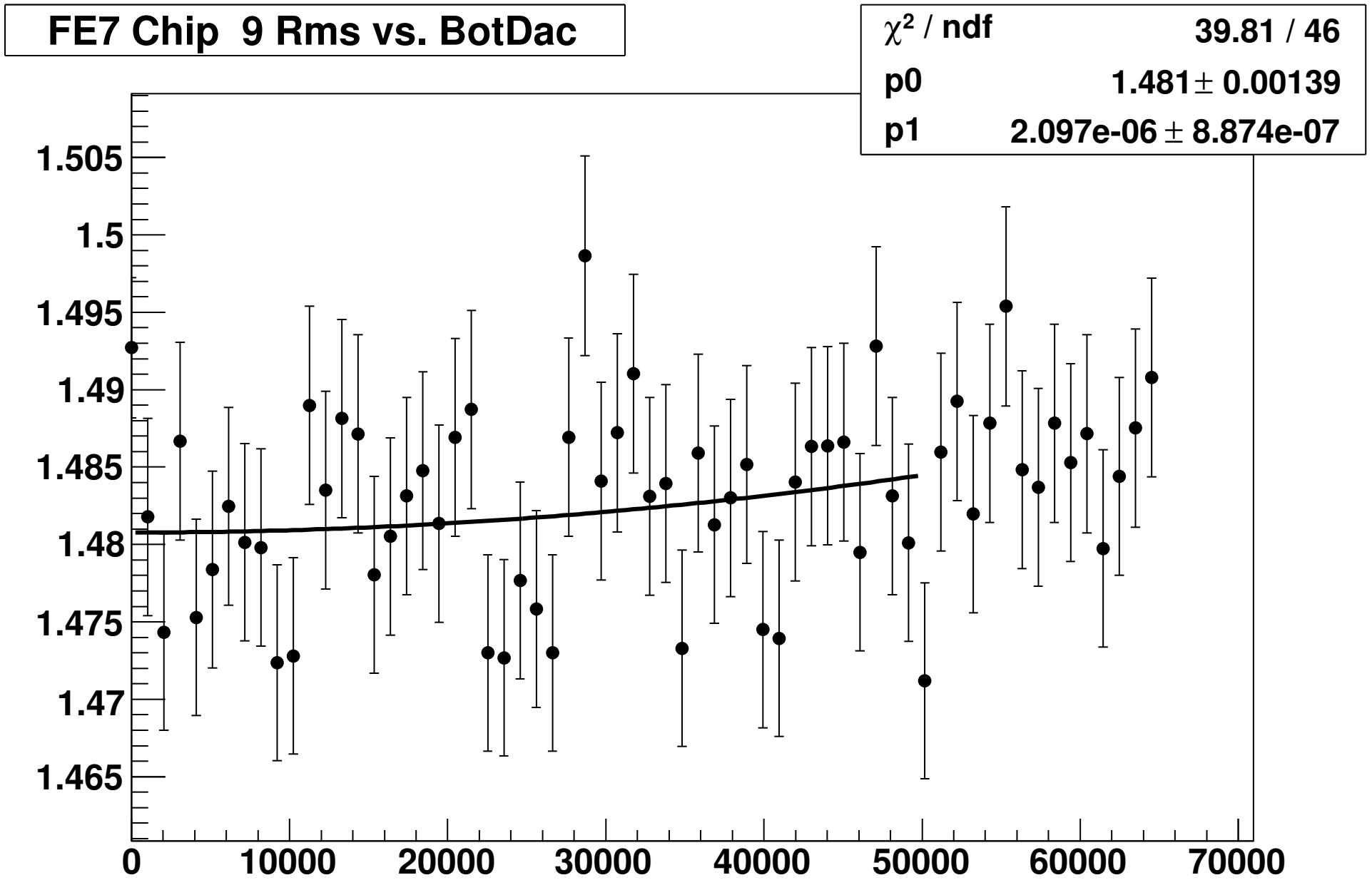

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 5547 / 46
p0 25.67 ± 0.002576
p1 -6.988e-06 ± 8.961e-08
25.9
25.8
25.7
25.6
25.5
25.4
25.3
0
10000
20000
30000
40000
50000
60000
70000

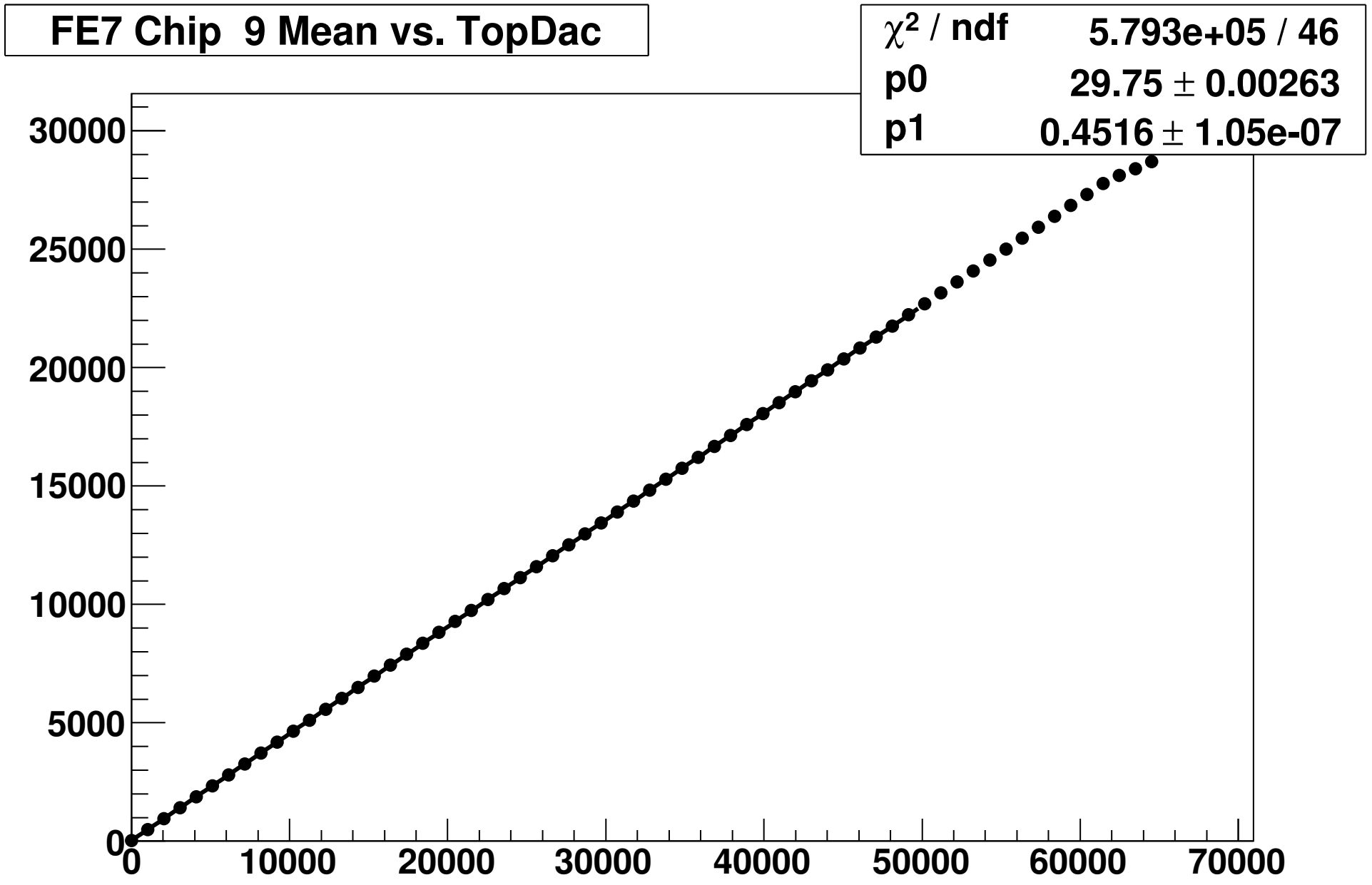

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 79.19 / 46
p0 1.445 ± 0.00136
p1 4.183e-06 ± 4.26e-07
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

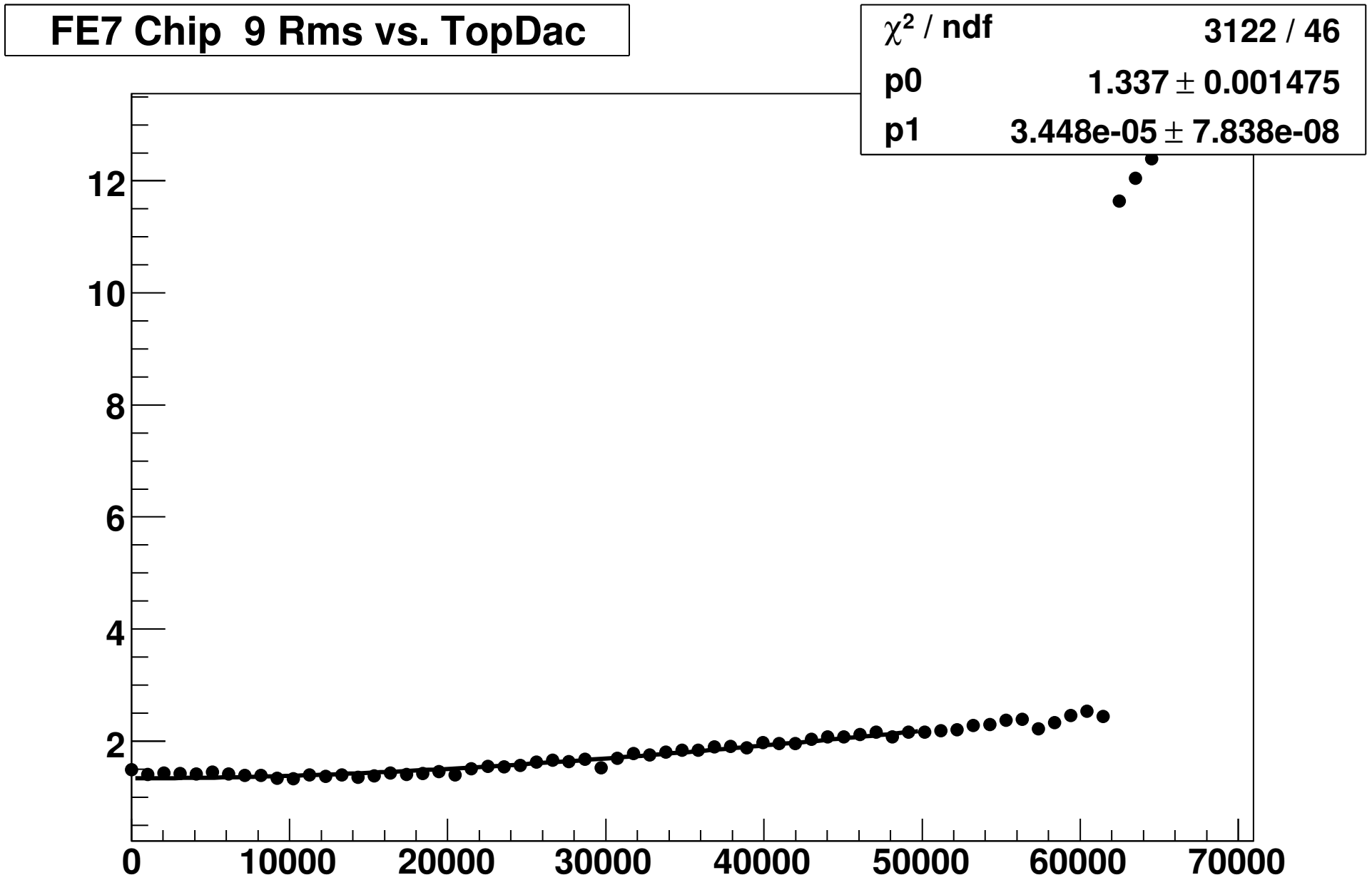

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 4.372e+05 / 46
p0 27.06 ± 0.002611
p1 0.4516 ± 1.041e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

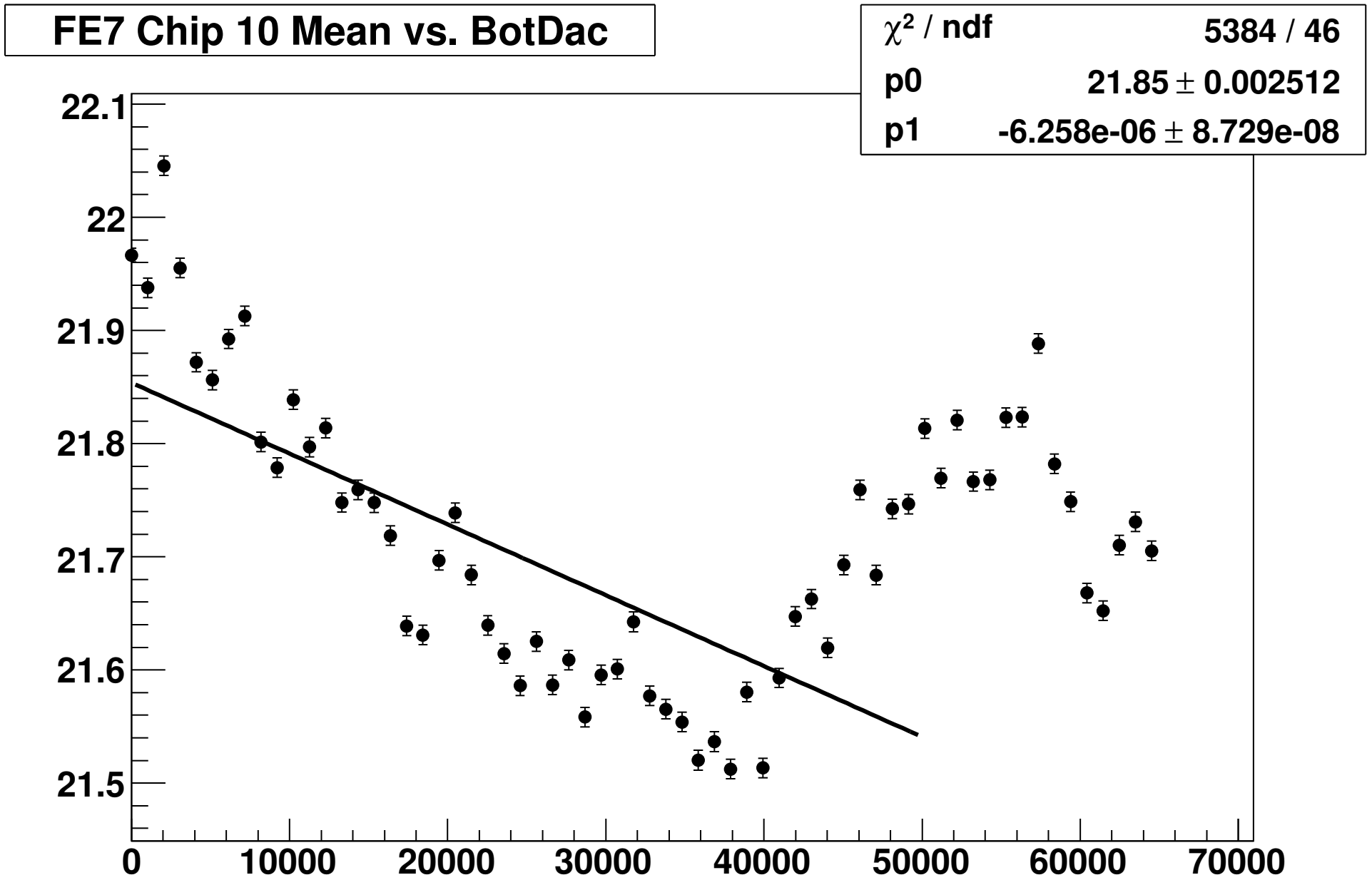

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 2436 / 46
p0 1.332 ± 0.001464
p1 3.4e-05 ± 7.806e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

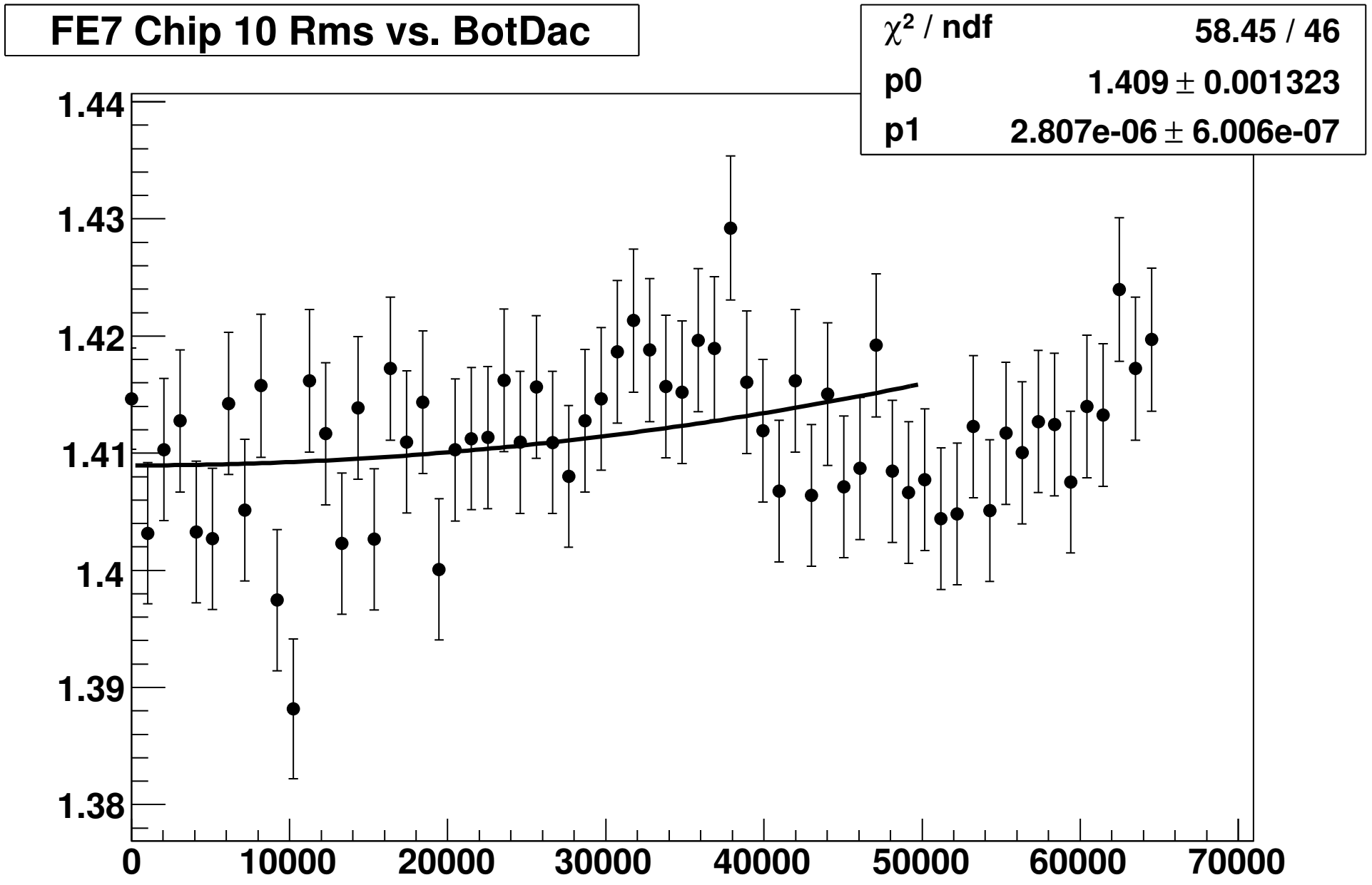

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 5444 / 46
p0 28.5 ± 0.002643
p1 -7.134e-06 ± 9.175e-08
28.7
28.6
28.5
28.4
28.3
28.2
28.1
0
10000
20000
30000
40000
50000
60000
70000

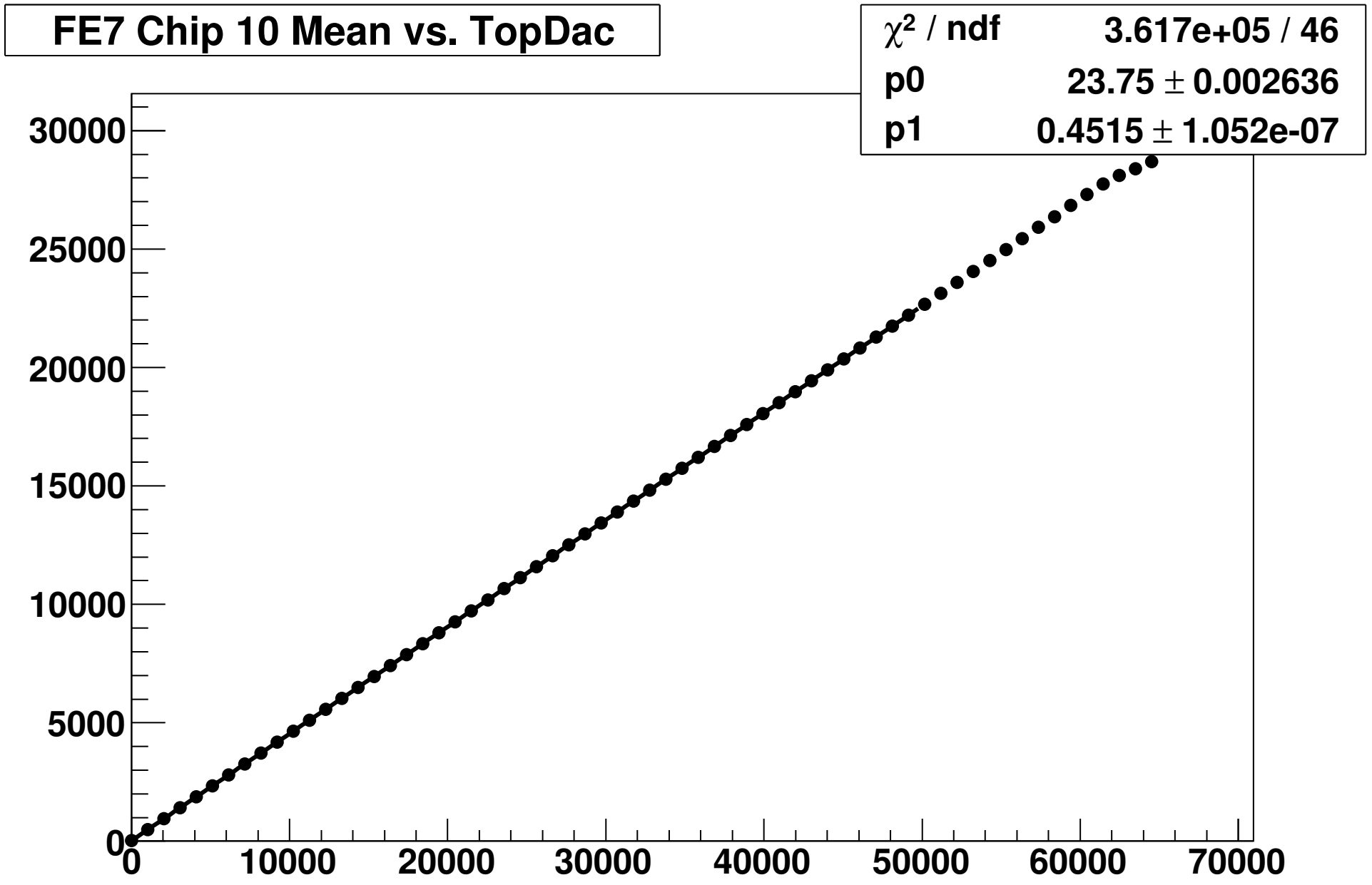

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 39.81 / 46
p0 1.481 ± 0.00139
p1 2.097e-06 ± 8.874e-07
1.505
1.5
1.495
1.49
1.485
1.48
1.475
1.47
1.465
0
10000
20000
30000
40000
50000
60000
70000

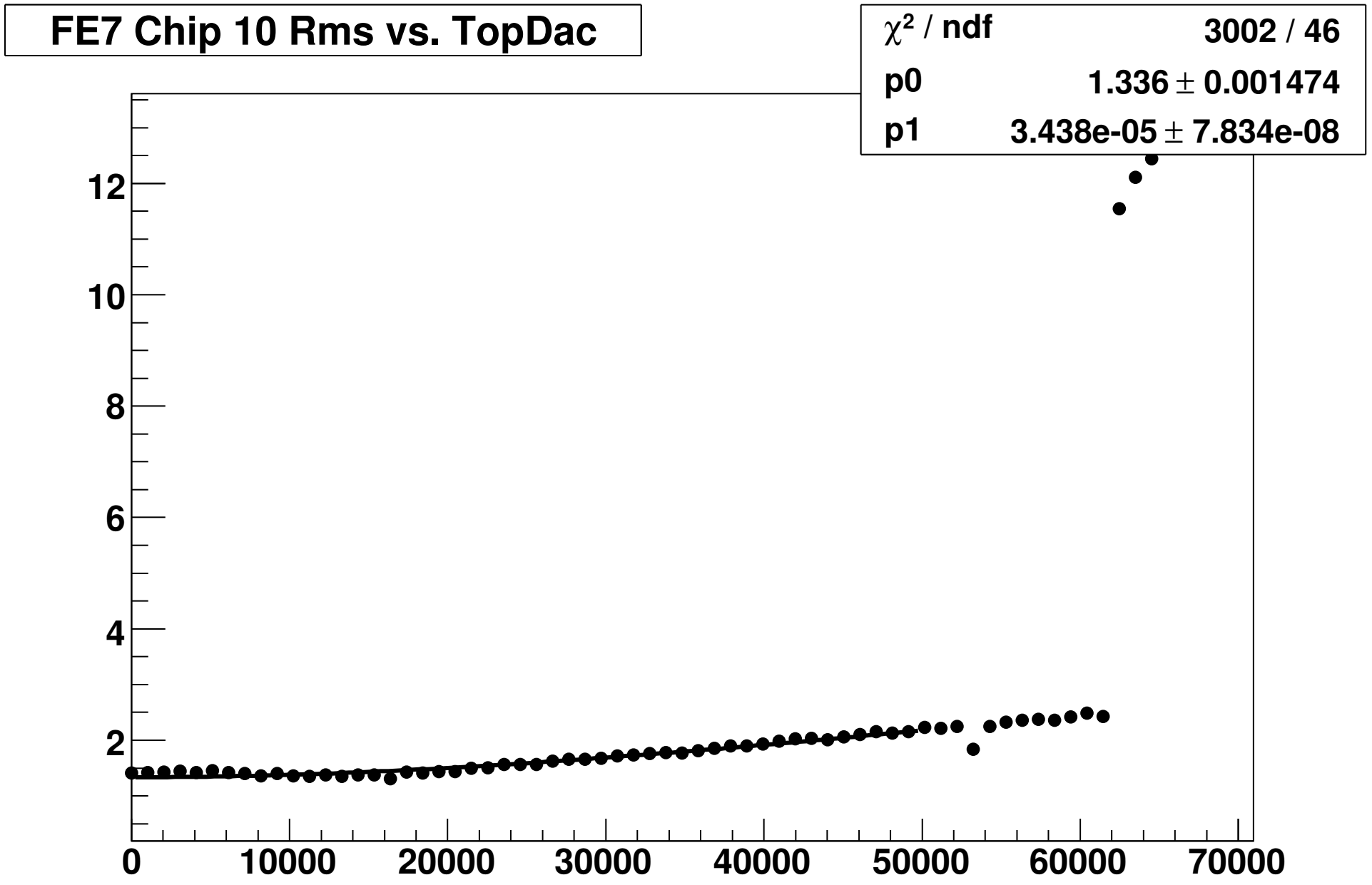

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 5.793e+05 / 46
p0 29.75 ± 0.00263
p1 0.4516 ± 1.05e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

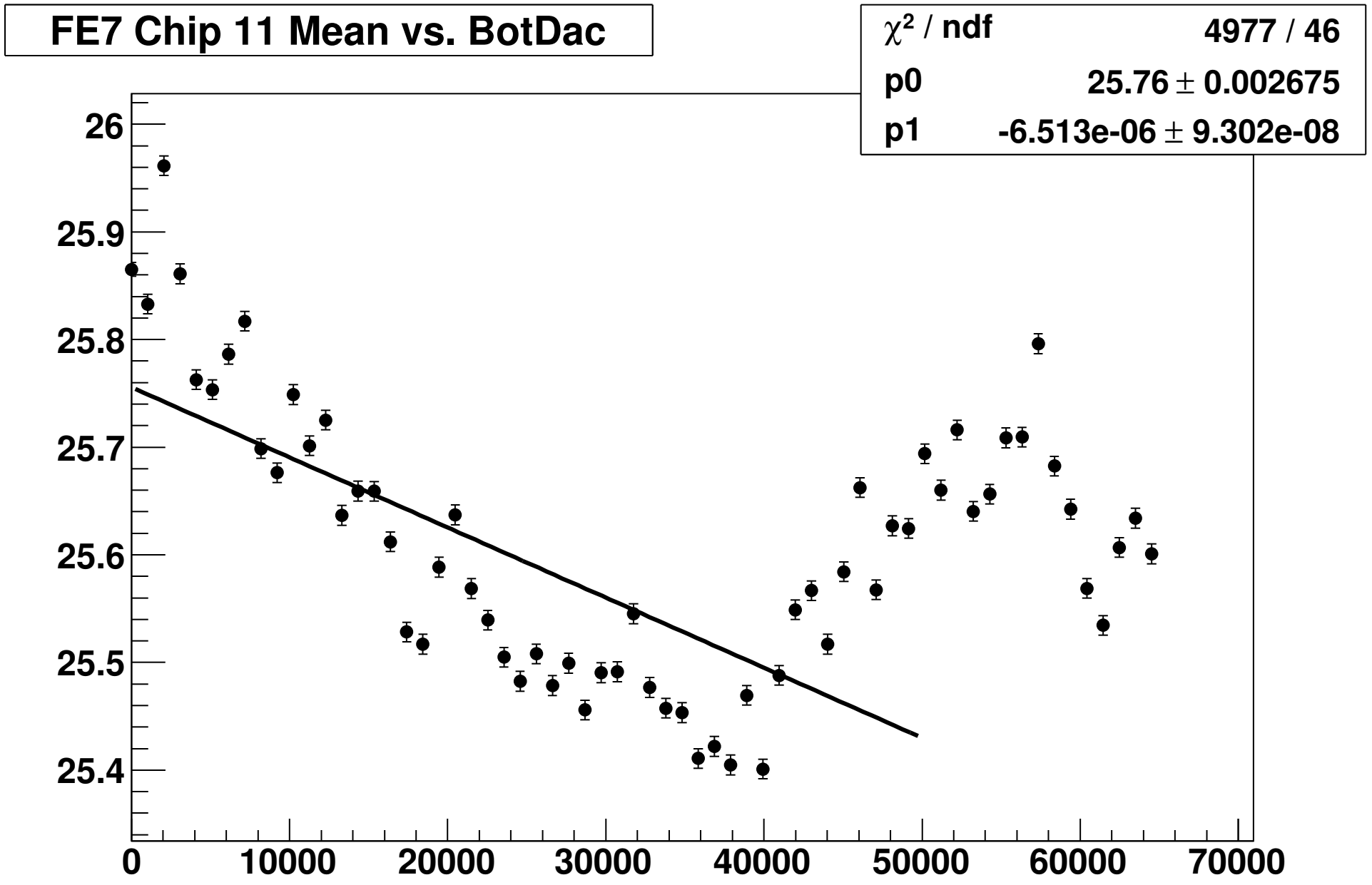

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 3122 / 46
p0 1.337 ± 0.001475
p1 3.448e-05 ± 7.838e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

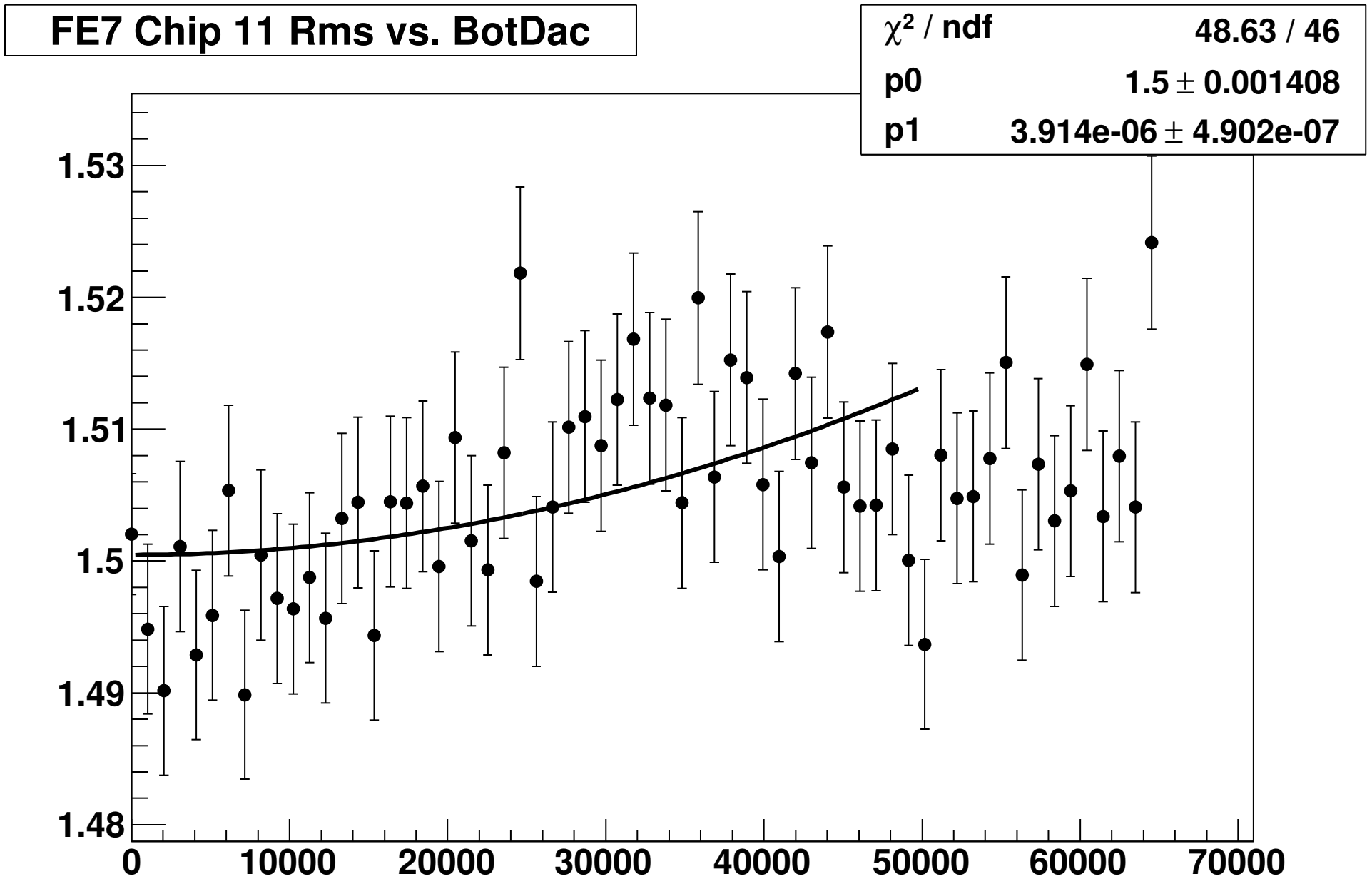

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 5384 / 46
p0 21.85 ± 0.002512
p1 -6.258e-06 ± 8.729e-08
22.1
22
21.9
21.8
21.7
21.6
21.5
0
10000
20000
30000
40000
50000
60000
70000

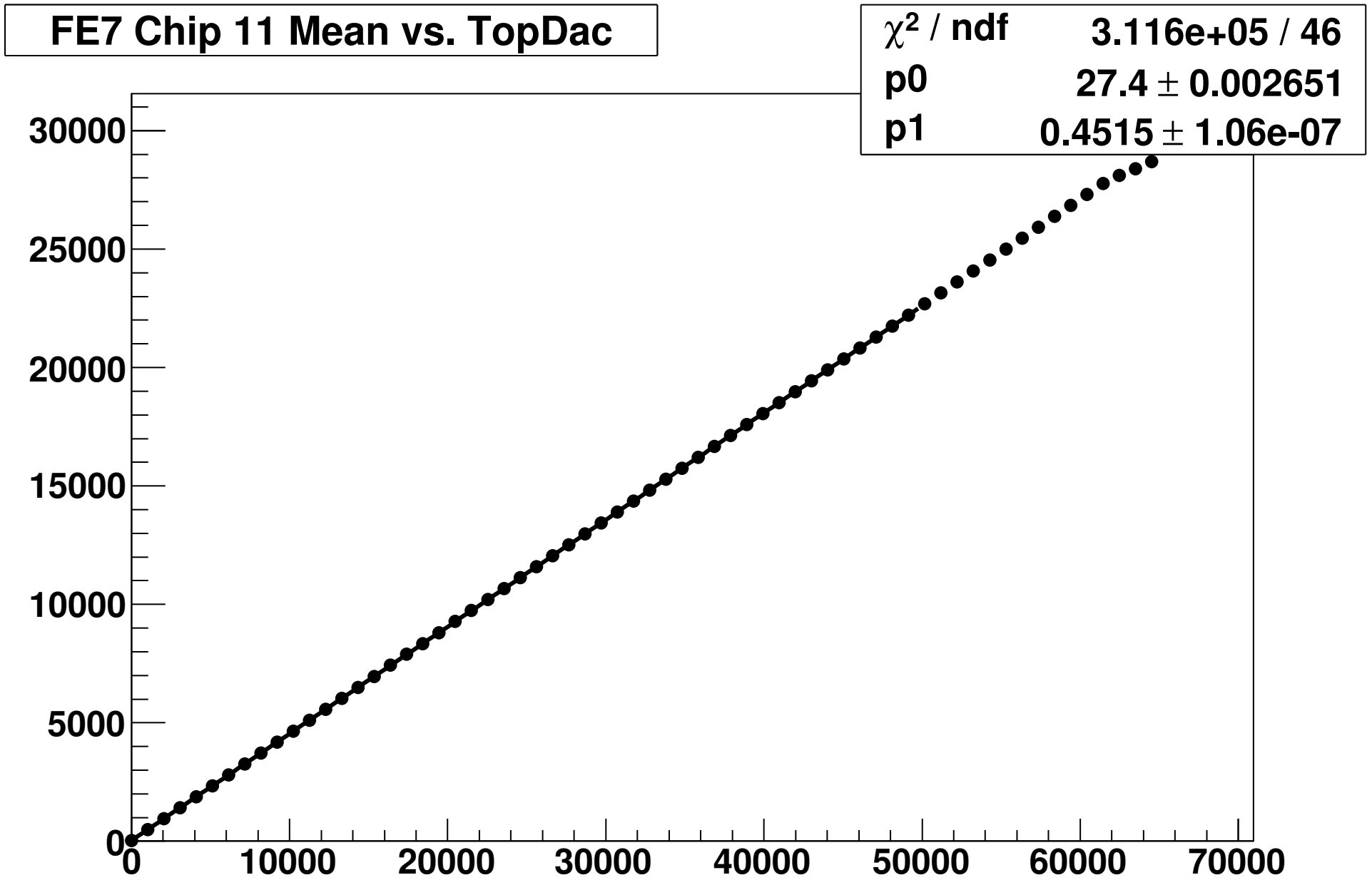

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 58.45 / 46
p0 1.409 ± 0.001323
p1 2.807e-06 ± 6.006e-07
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000
70000

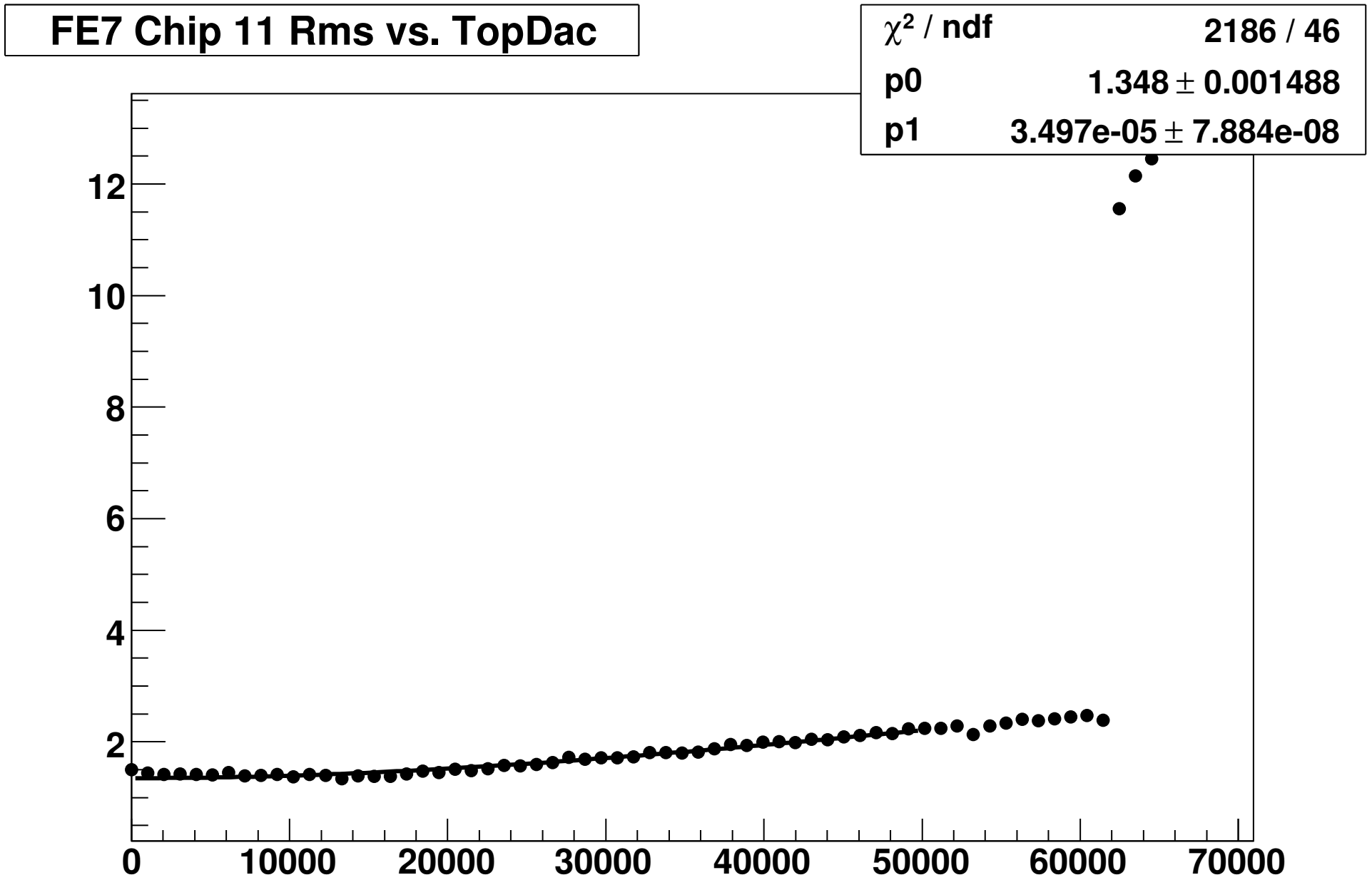

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 3.617e+05 / 46
p0 23.75 ± 0.002636
p1 0.4515 ± 1.052e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

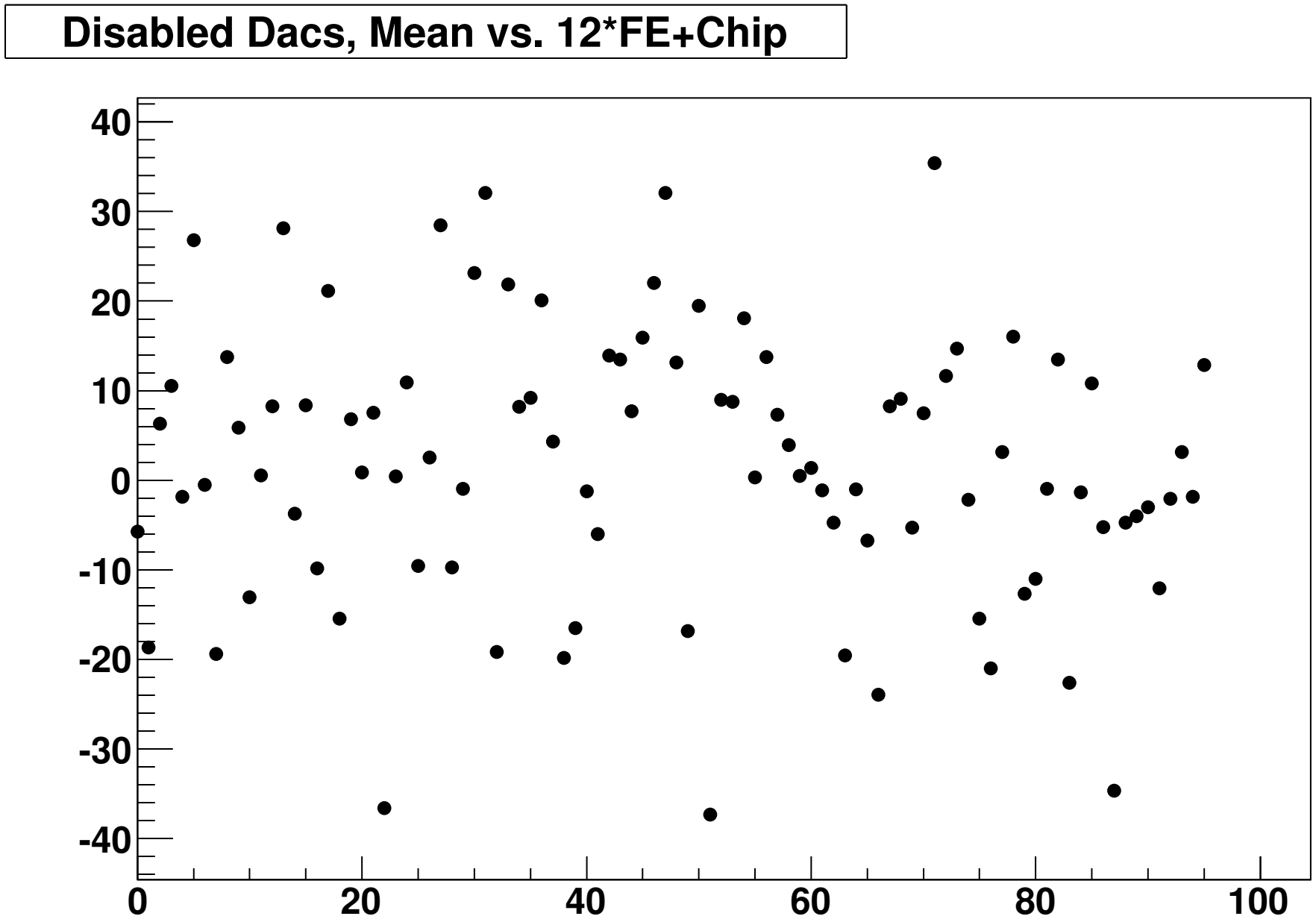

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 3002 / 46
p0 1.336 ± 0.001474
p1 3.438e-05 ± 7.834e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

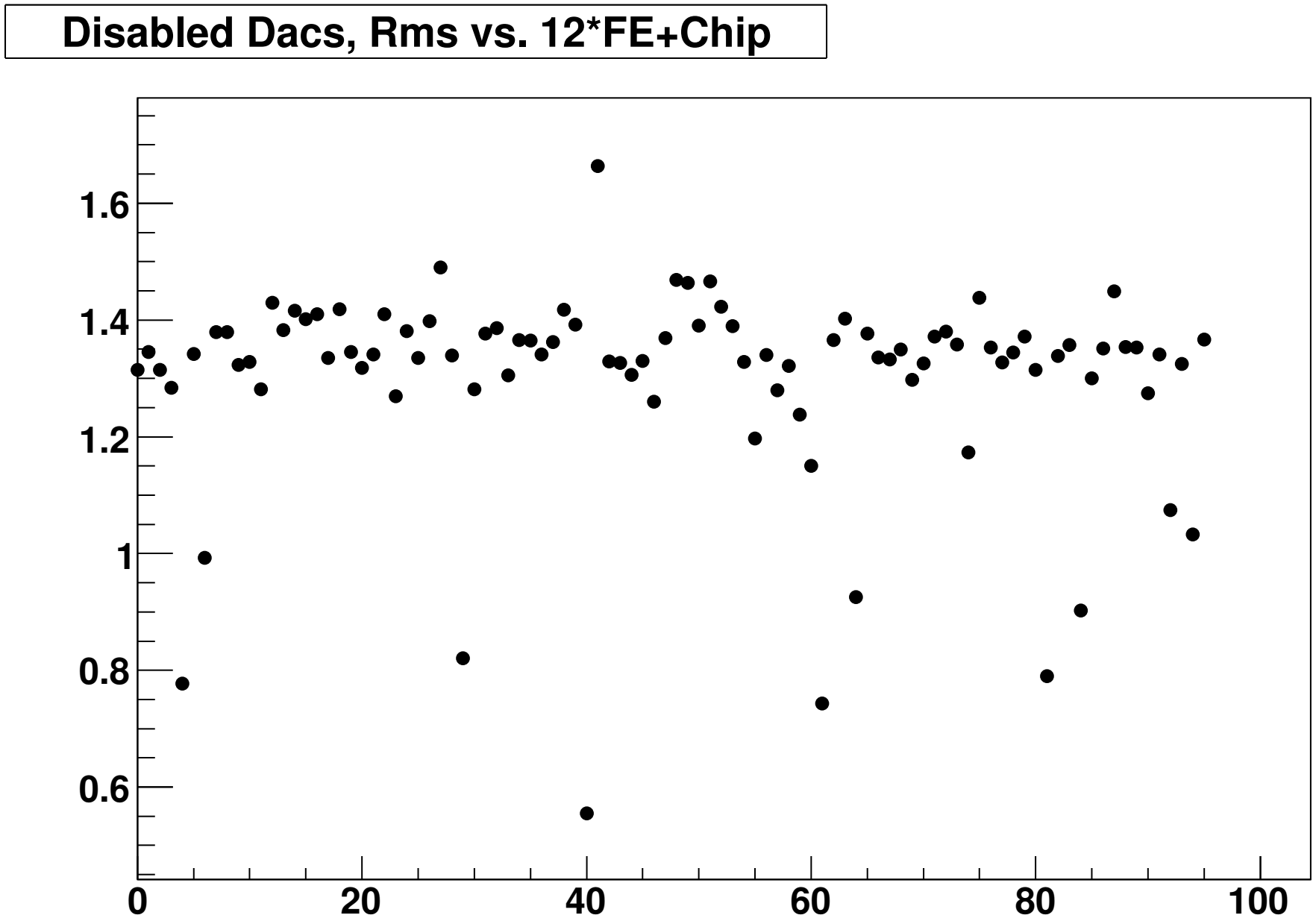

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 4977 / 46
p0 25.76 ± 0.002675
p1 -6.513e-06 ± 9.302e-08
26
25.9
25.8
25.7
25.6
25.5
25.4
0
10000
20000
30000
40000
50000
60000
70000

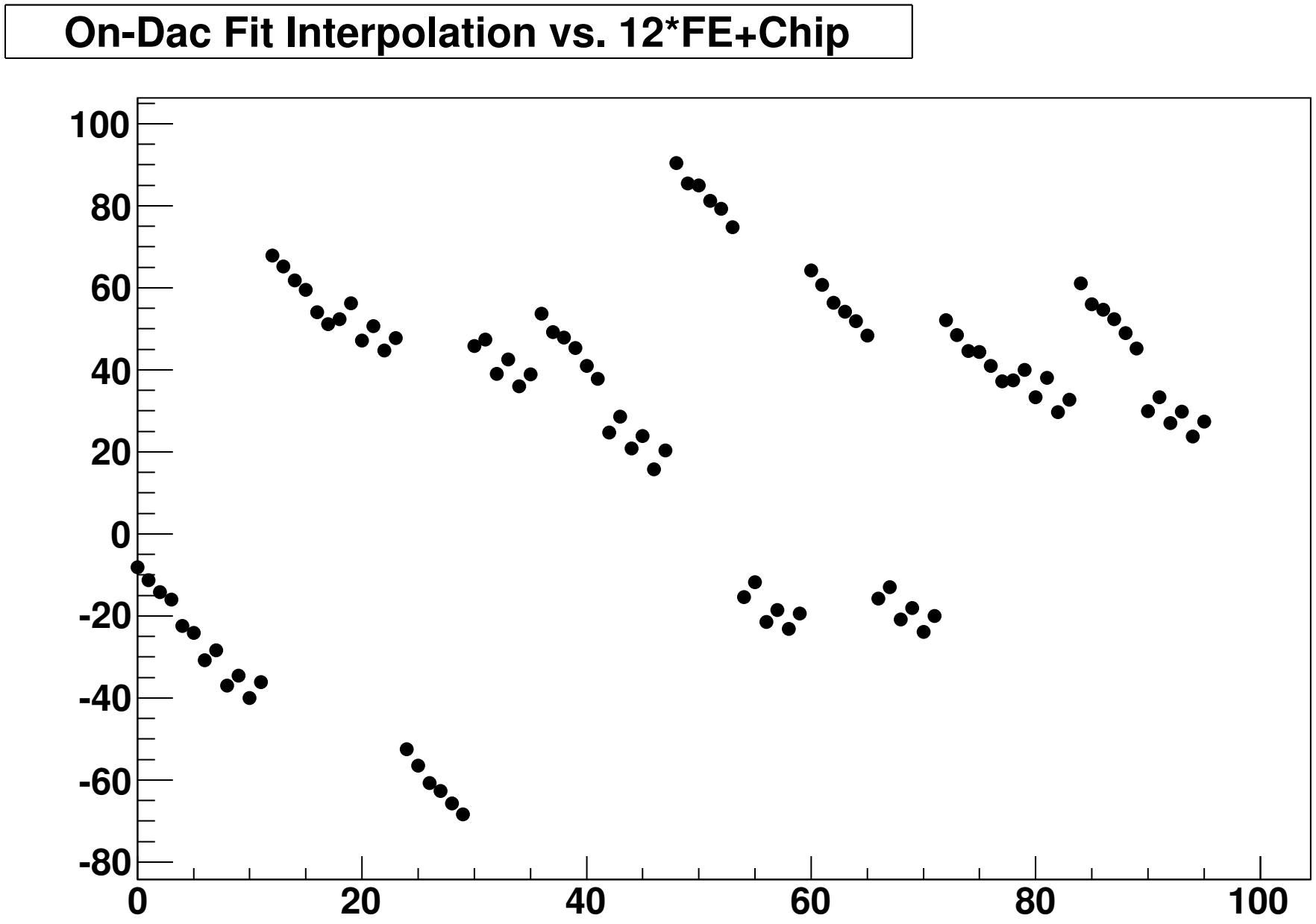

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 48.63 / 46
p0 1.5 ± 0.001408
p1 3.914e-06 ± 4.902e-07
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

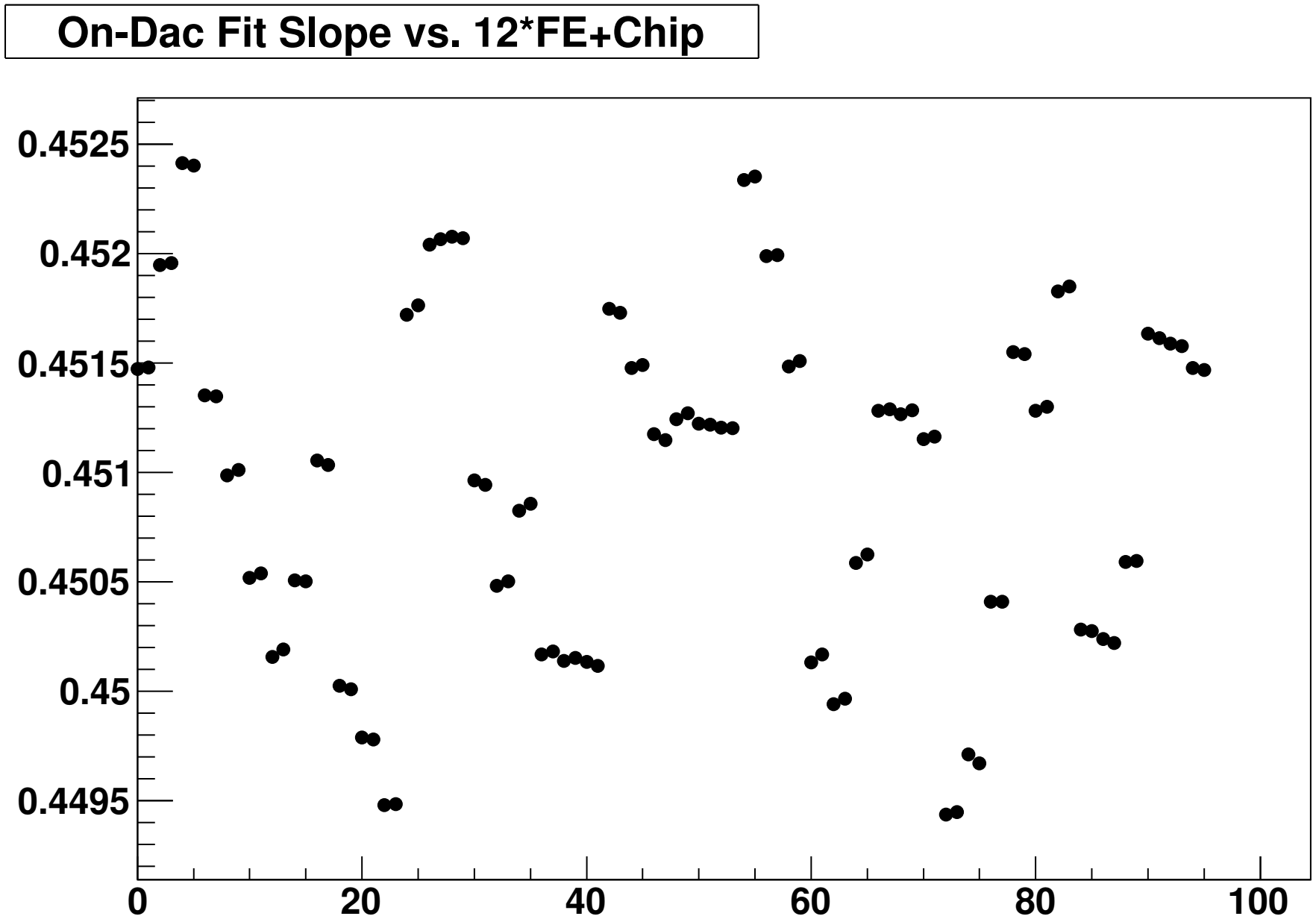

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 3.116e+05 / 46
p0 27.4 ± 0.002651
p1 0.4515 ± 1.06e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

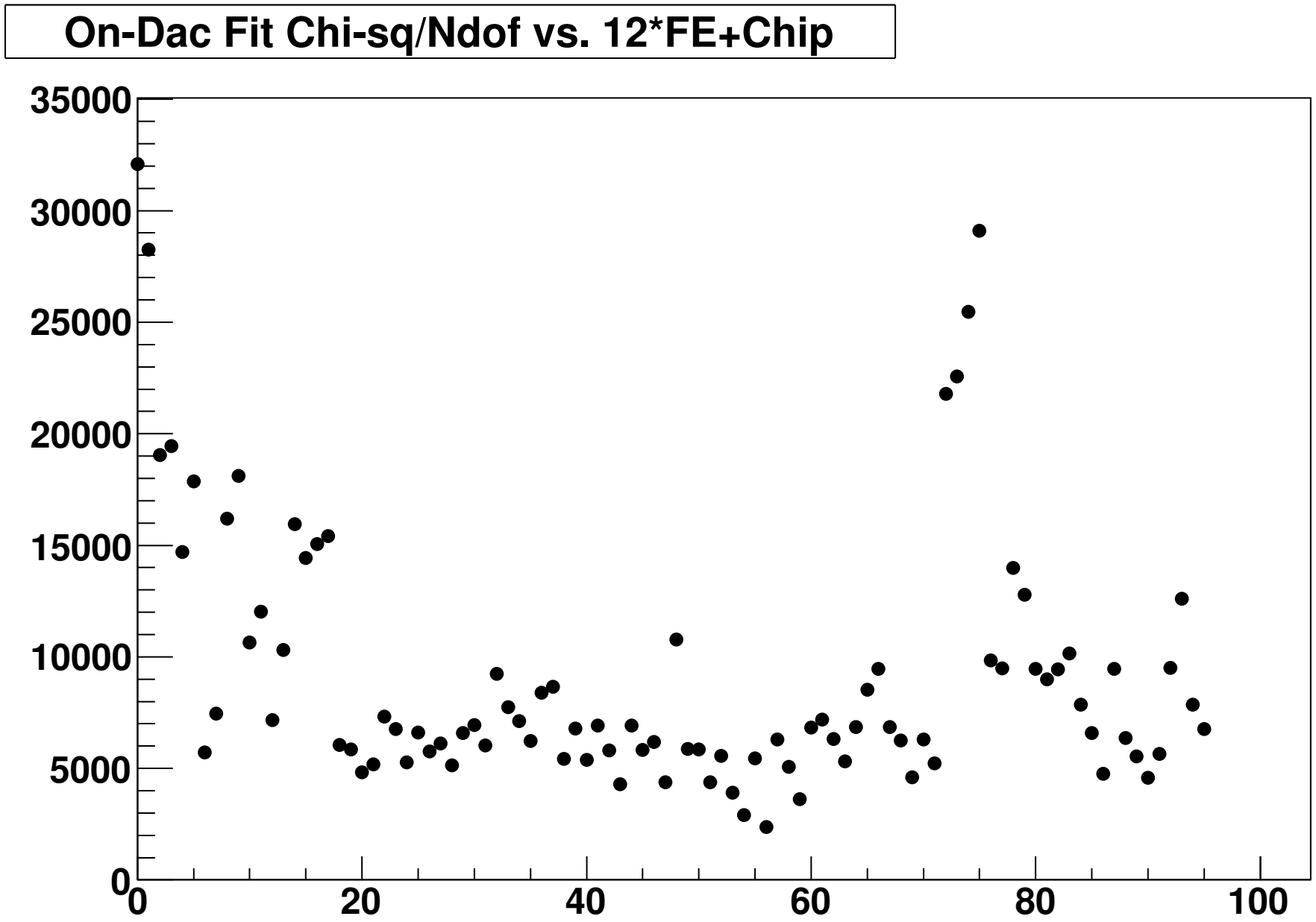

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 2186 / 46
p0 1.348 ± 0.001488
p1 3.497e-05 ± 7.884e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

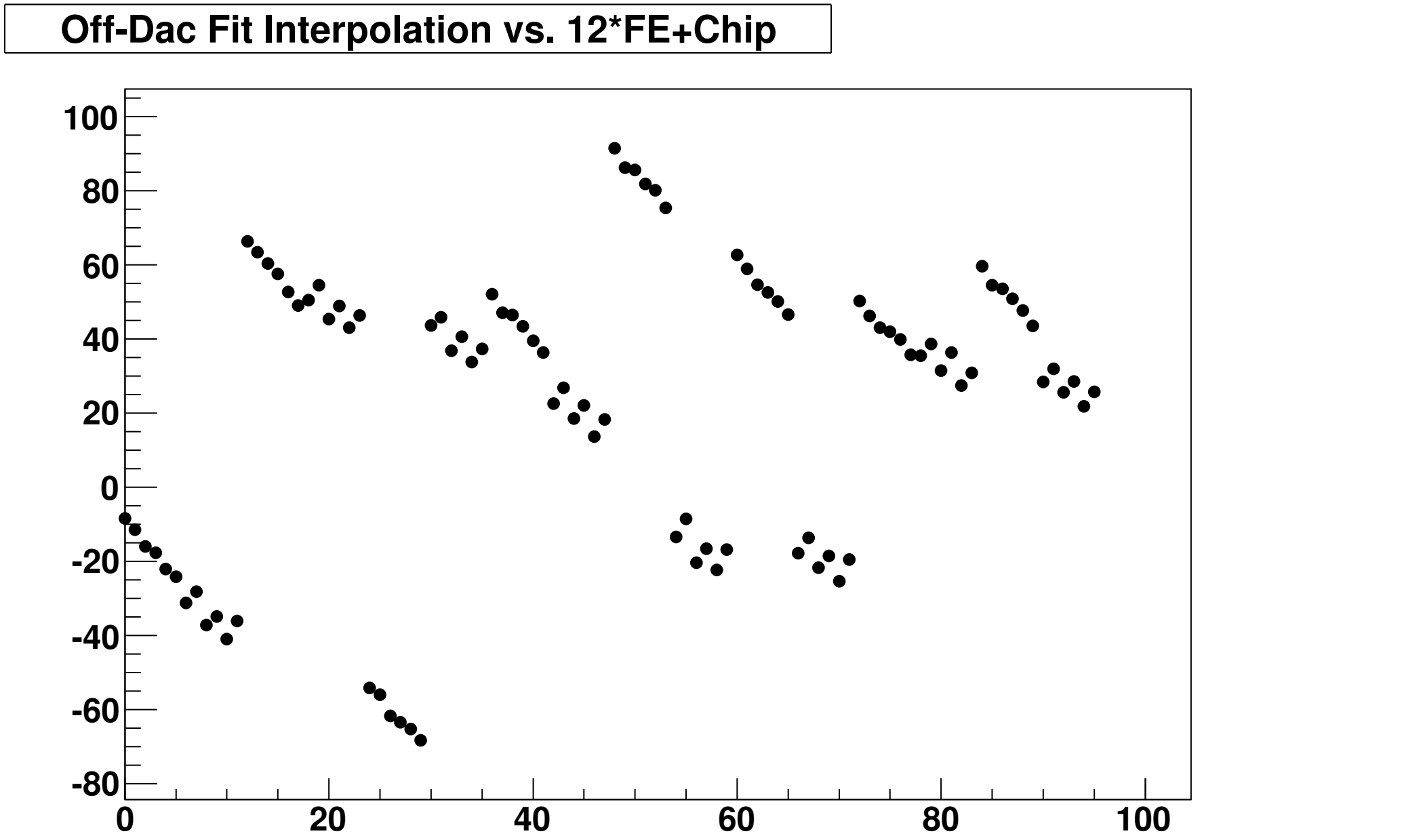

Disabled Dacs, Mean vs. 12*FE+Chip
40
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

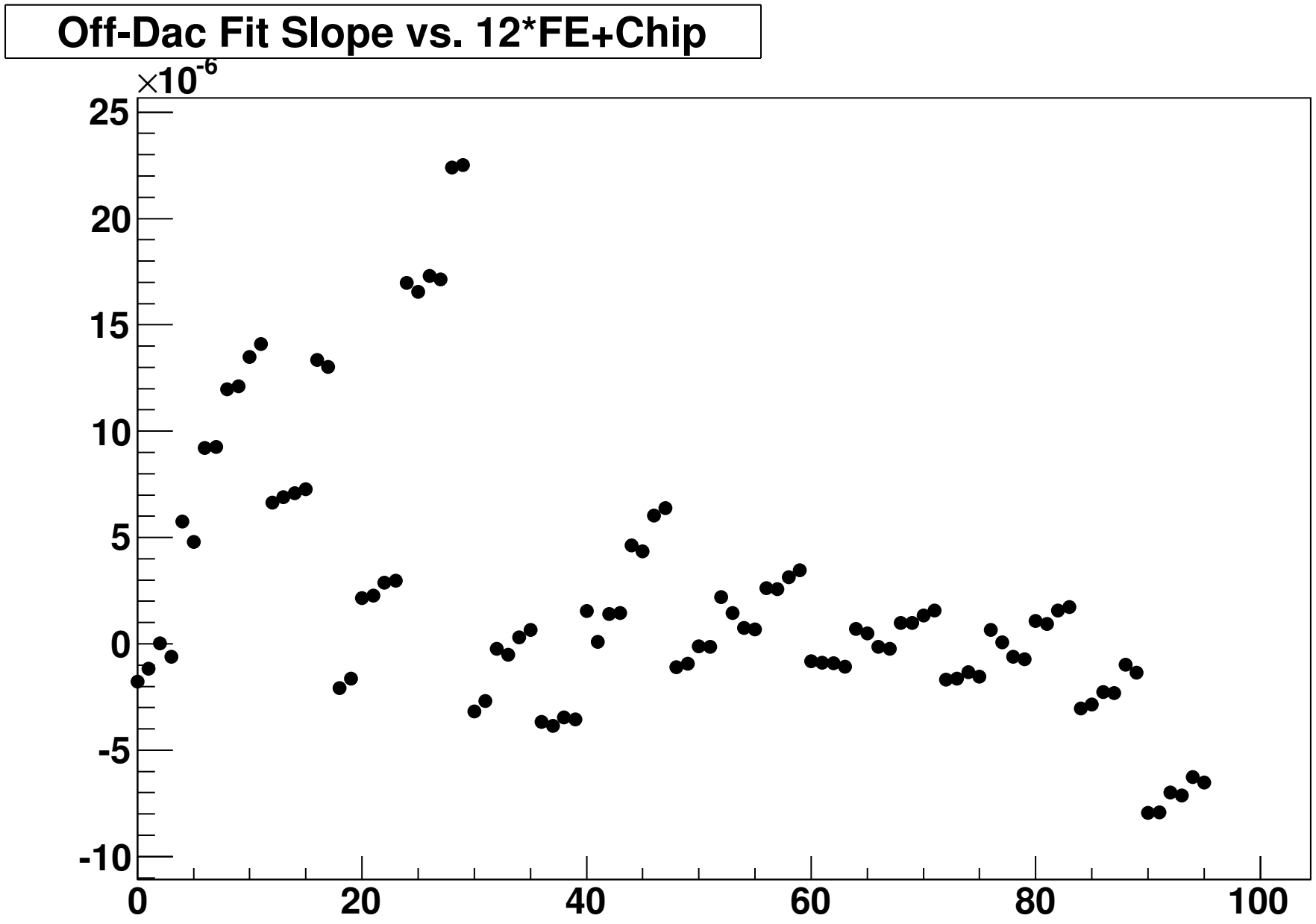

Disabled Dacs, Rms vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0
20
40
60
80
100

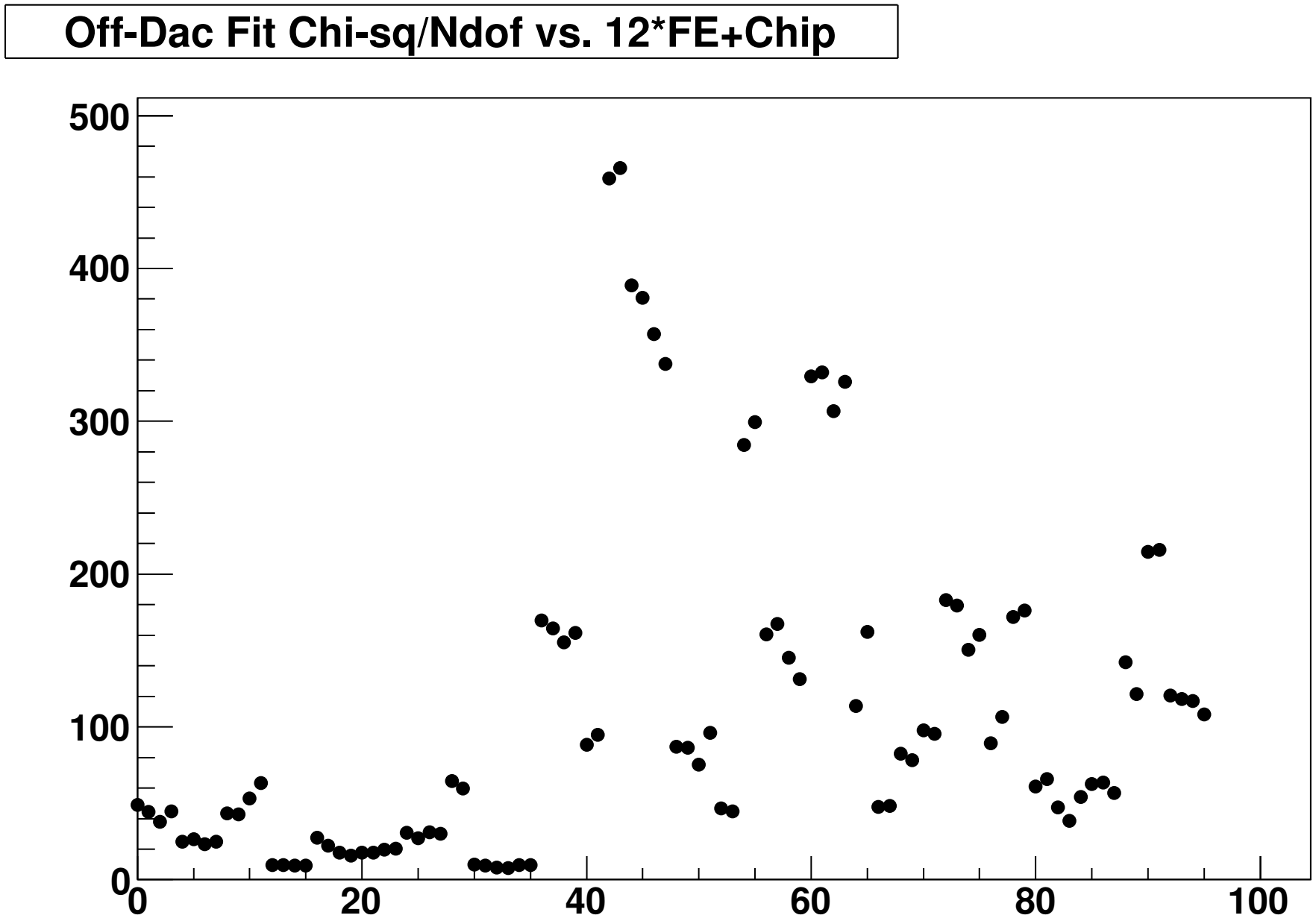

On-Dac Fit Interpolation vs. 12*FE+Chip
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

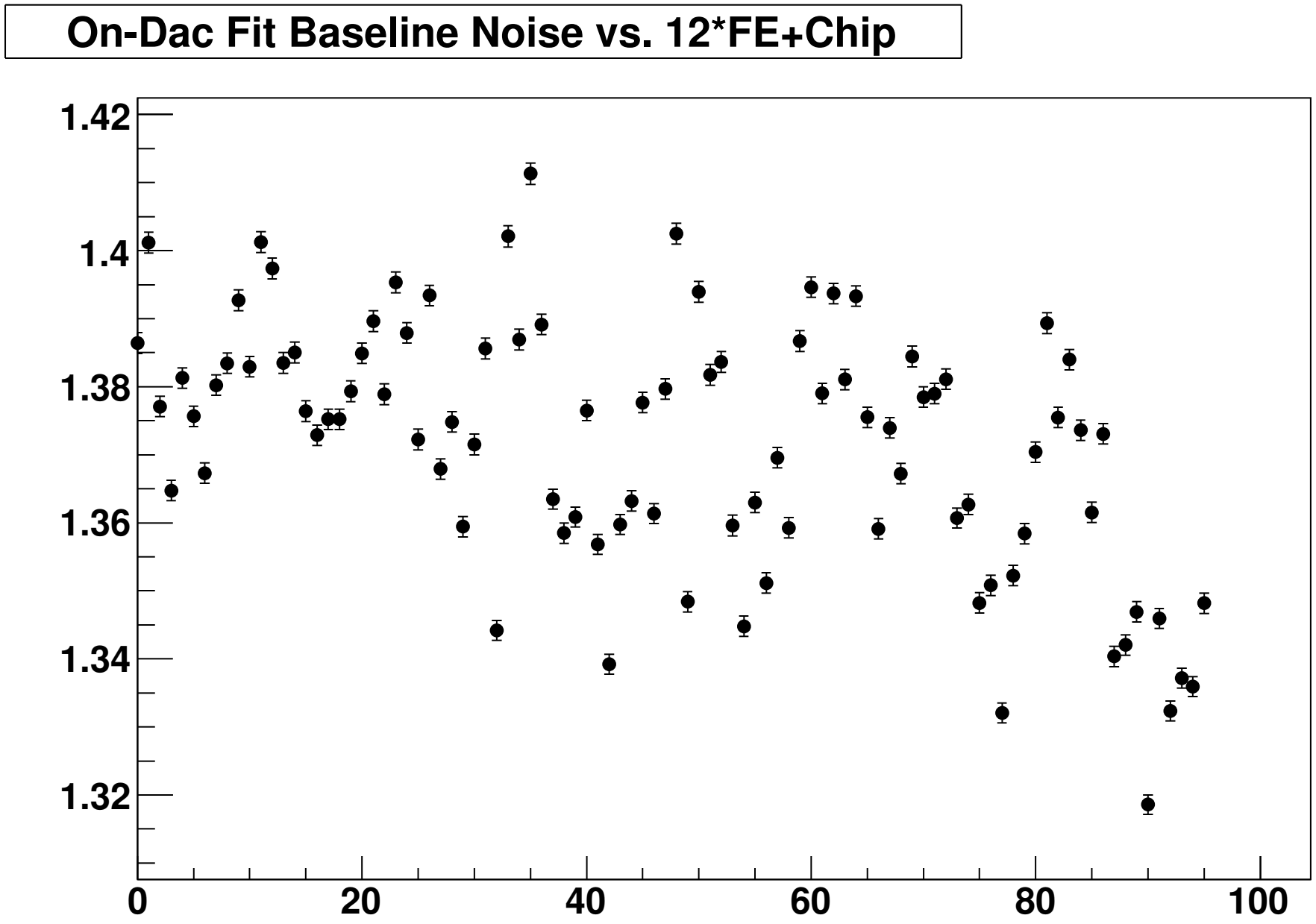

On-Dac Fit Slope vs. 12*FE+Chip
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0
20
40
60
80
100

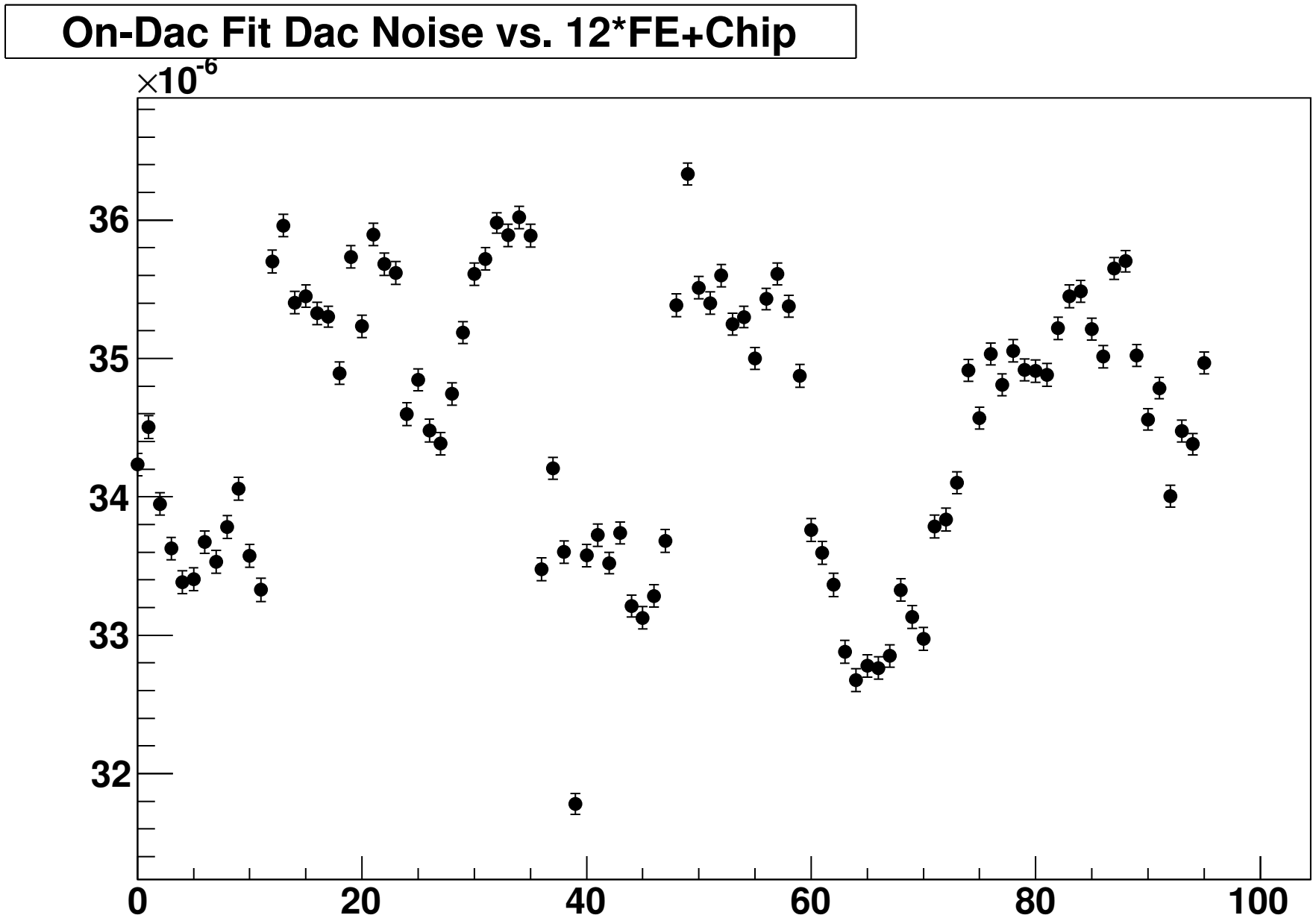

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
35000
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100

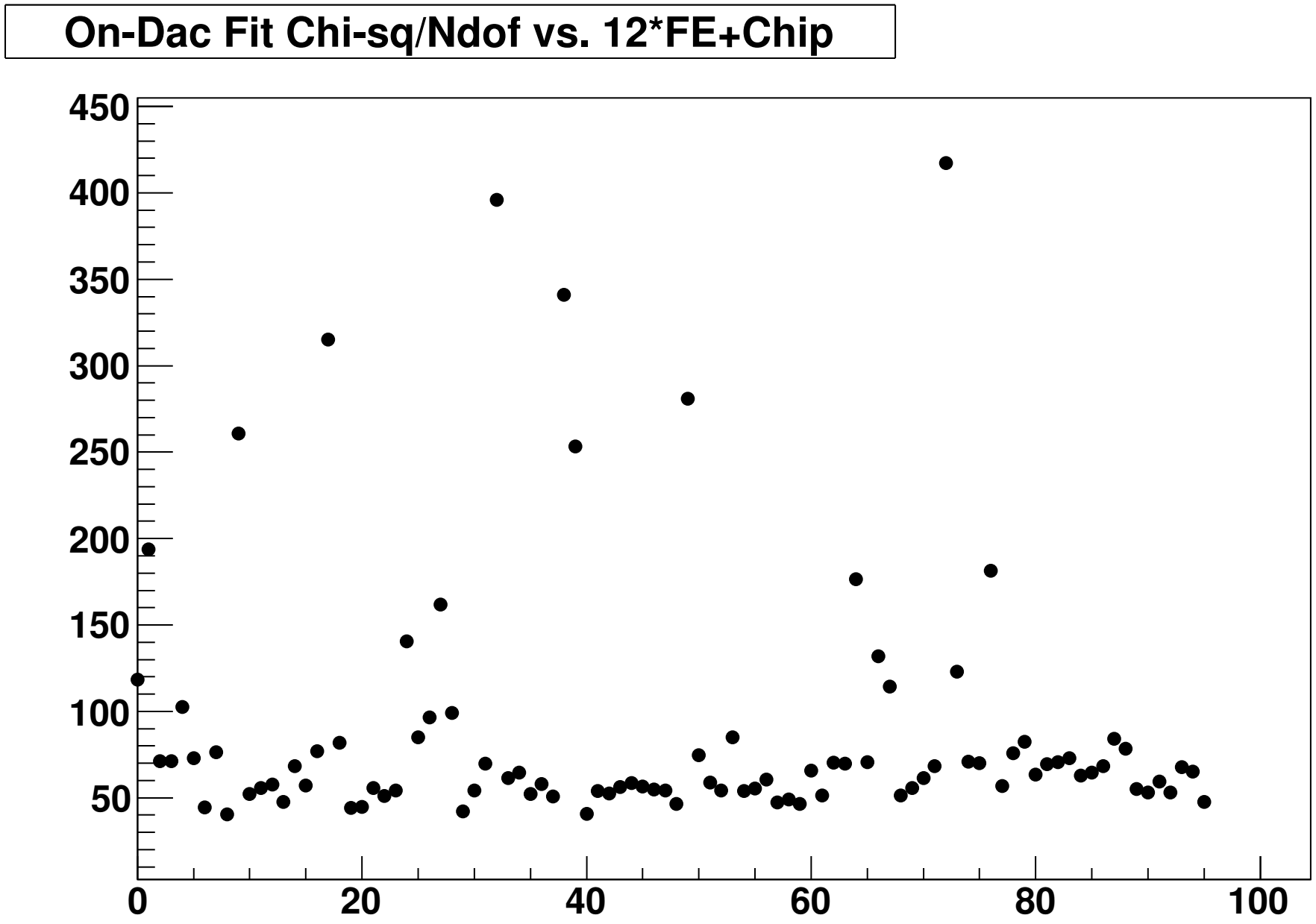

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

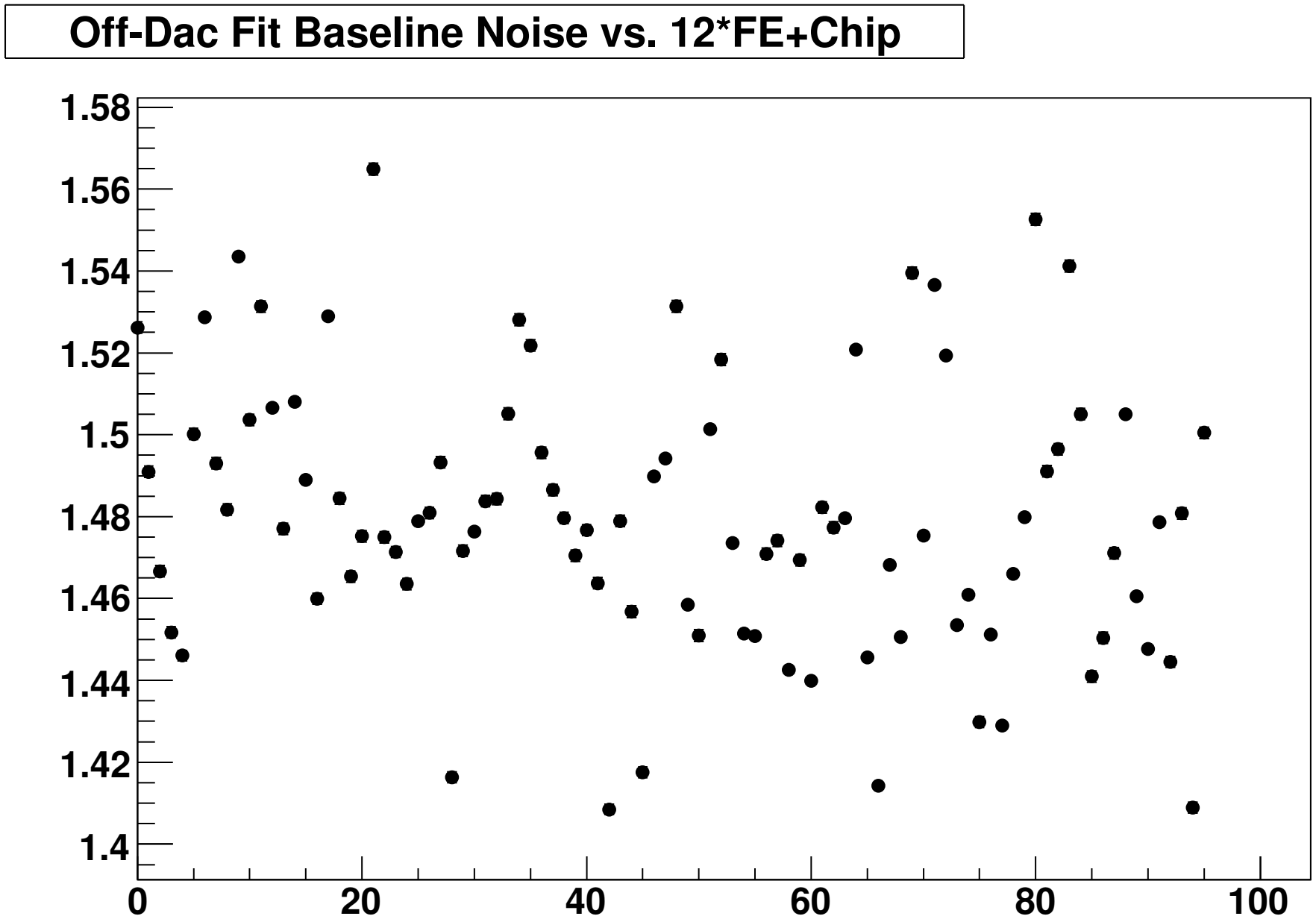

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
25
20
15
10
5
0
-5
-10
0
20
40
60
80
100

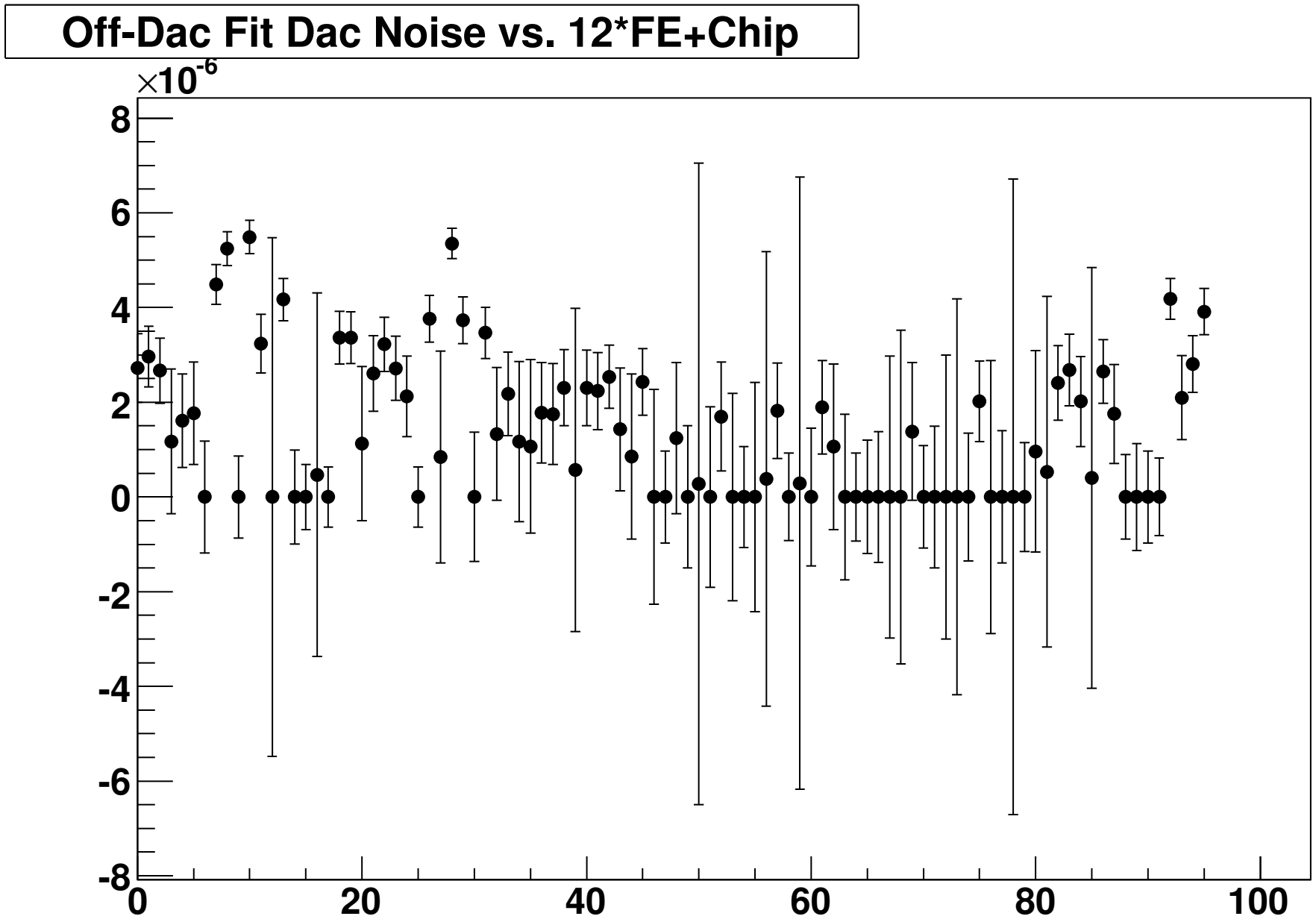

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
500
400
300
200
100
0
0
20
40
60
80
100

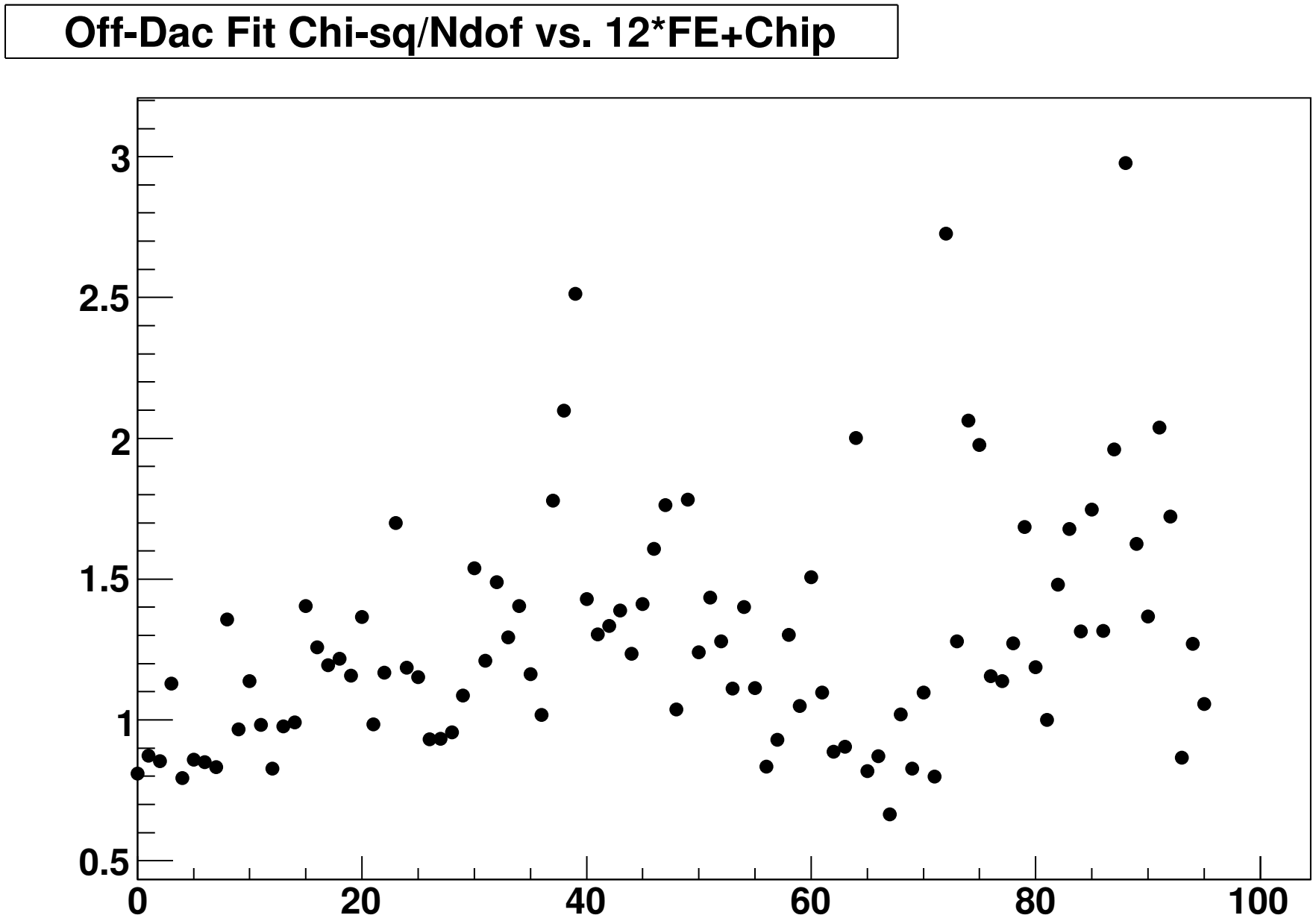

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
1.32
0
20
40
60
80
100

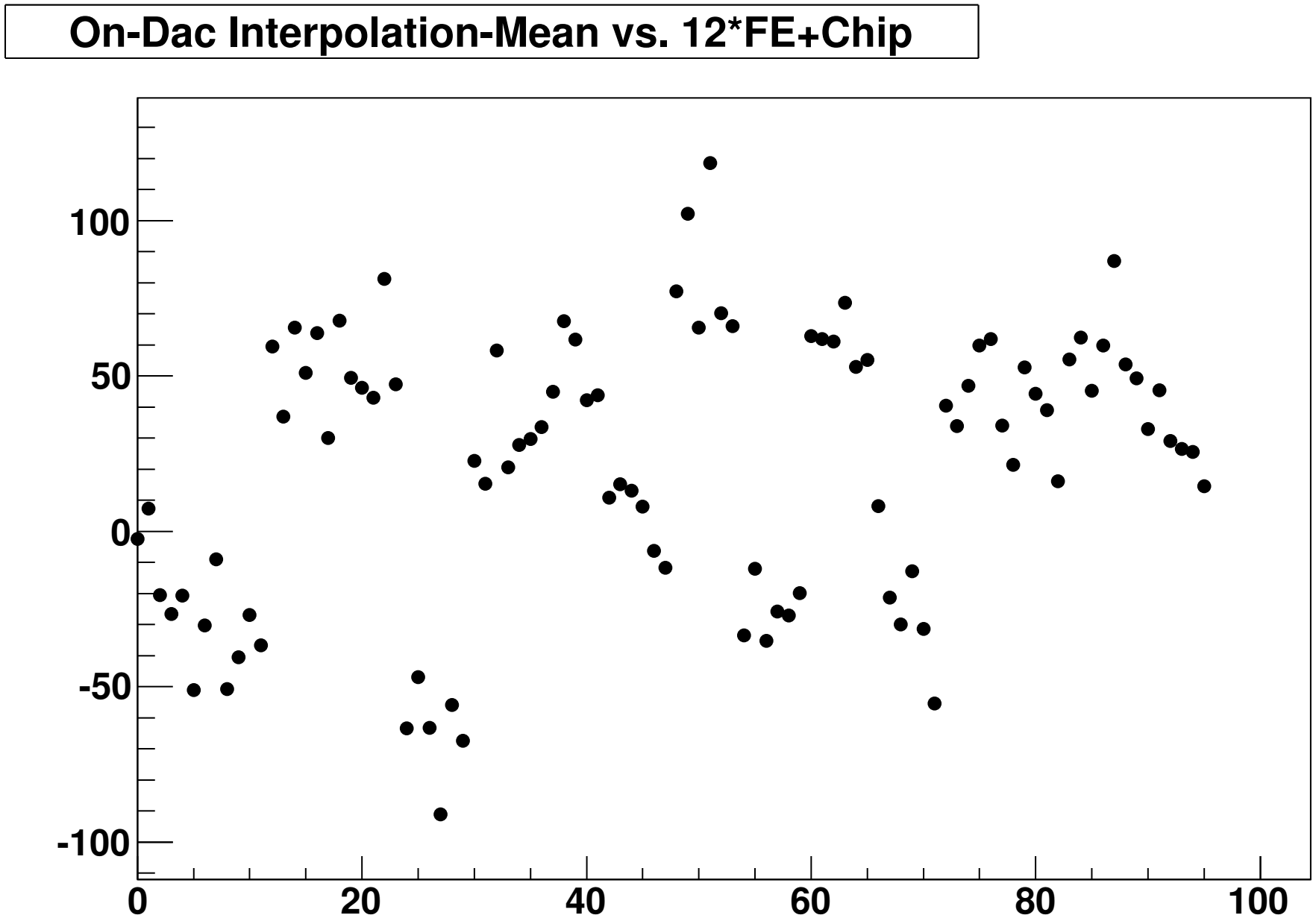

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
36
35
34
33
32
0
20
40
60
80
100

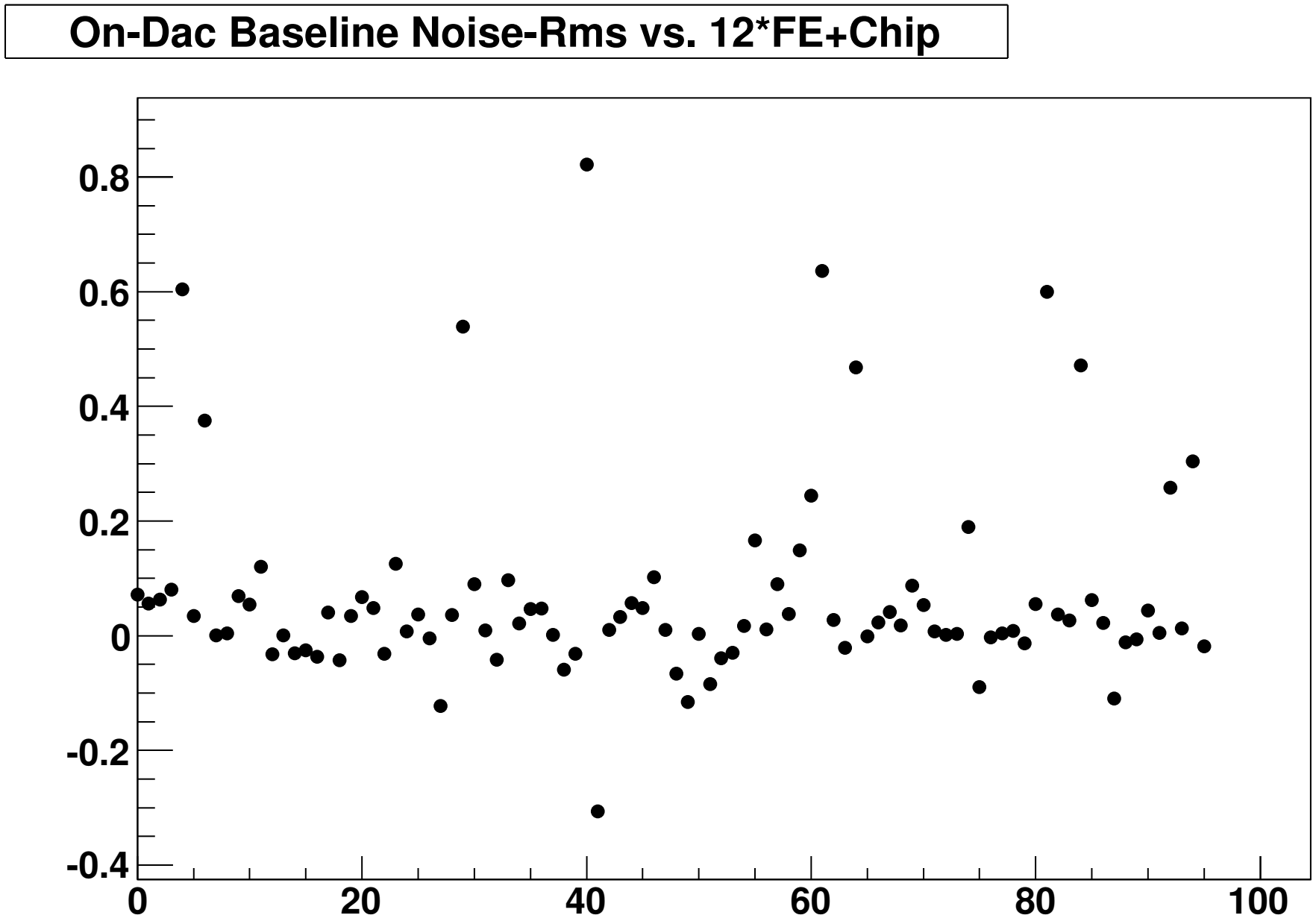

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
450
400
350
300
250
200
150
100
50
0
20
40
60
80
100

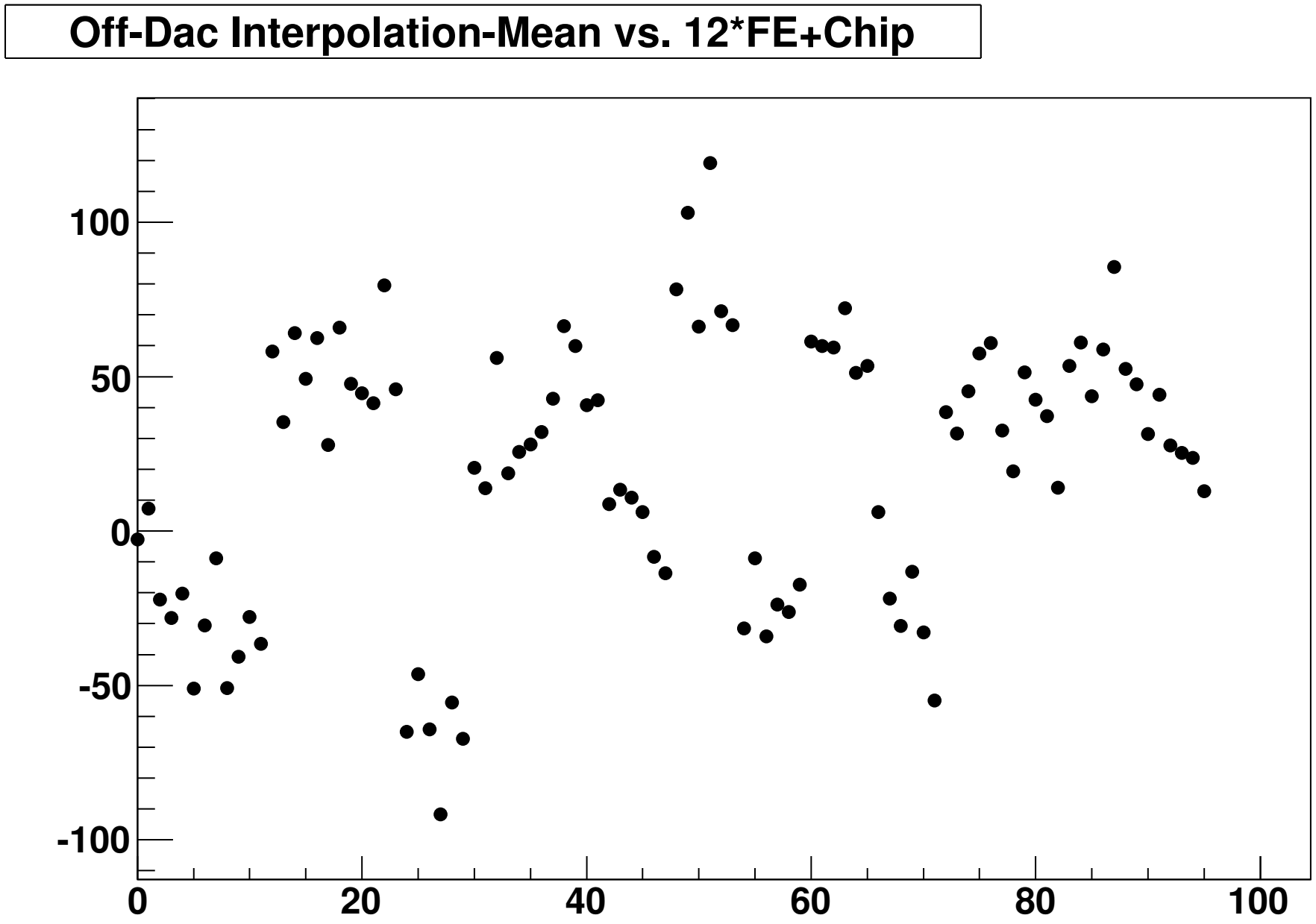

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
20
40
60
80
100

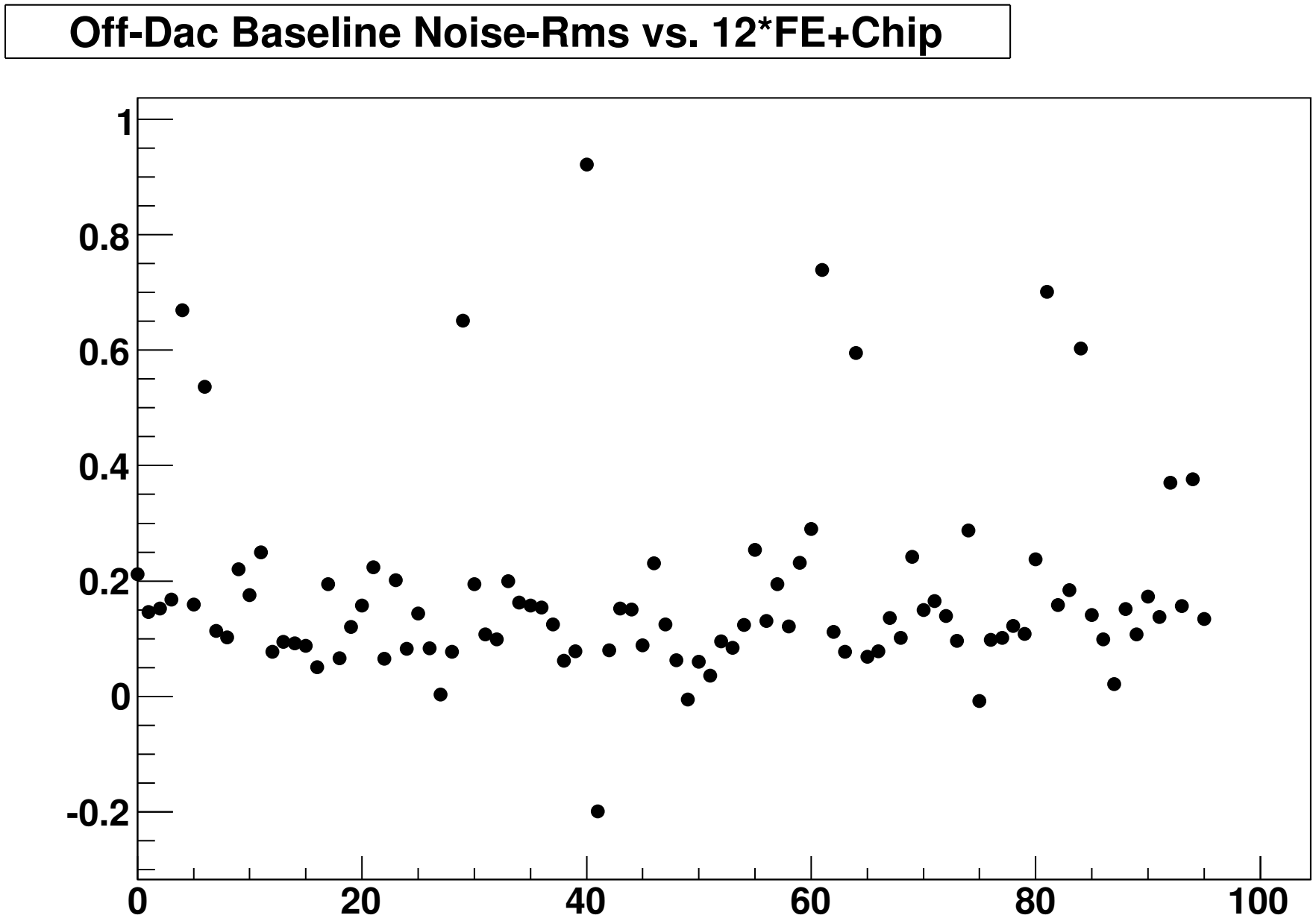

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
3
2.5
2
1.5
1
0.5
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
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
-0.4
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