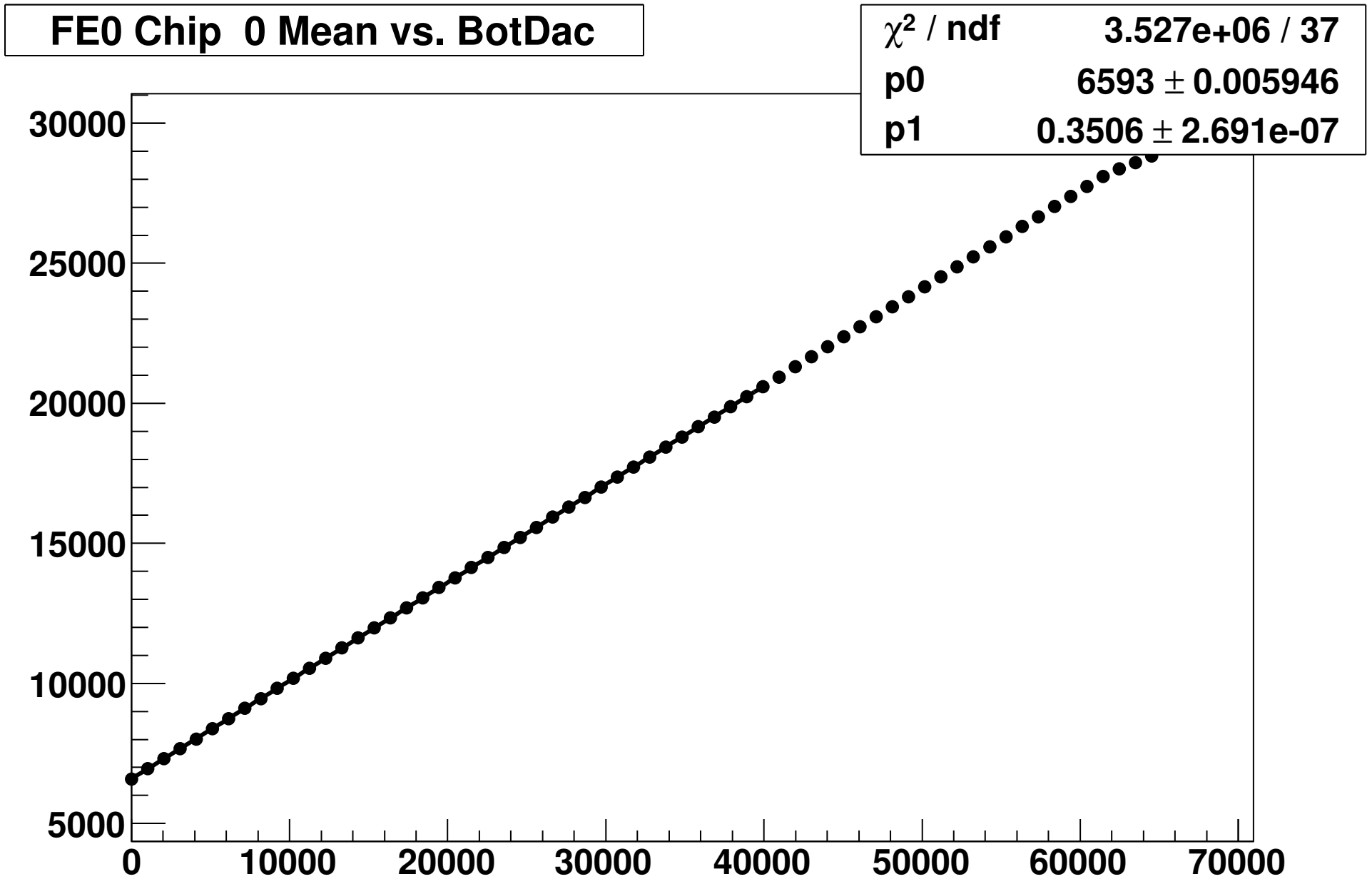
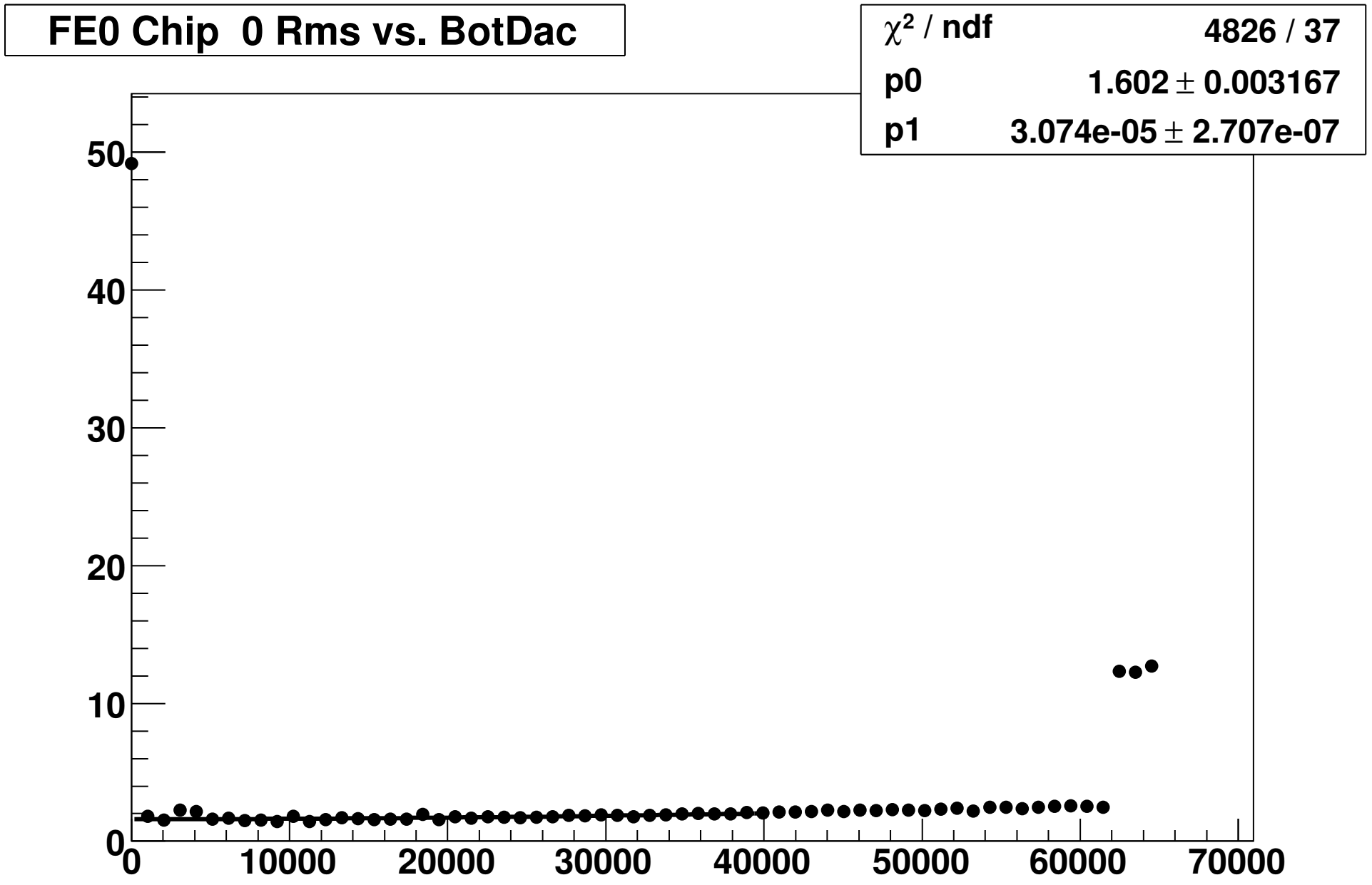
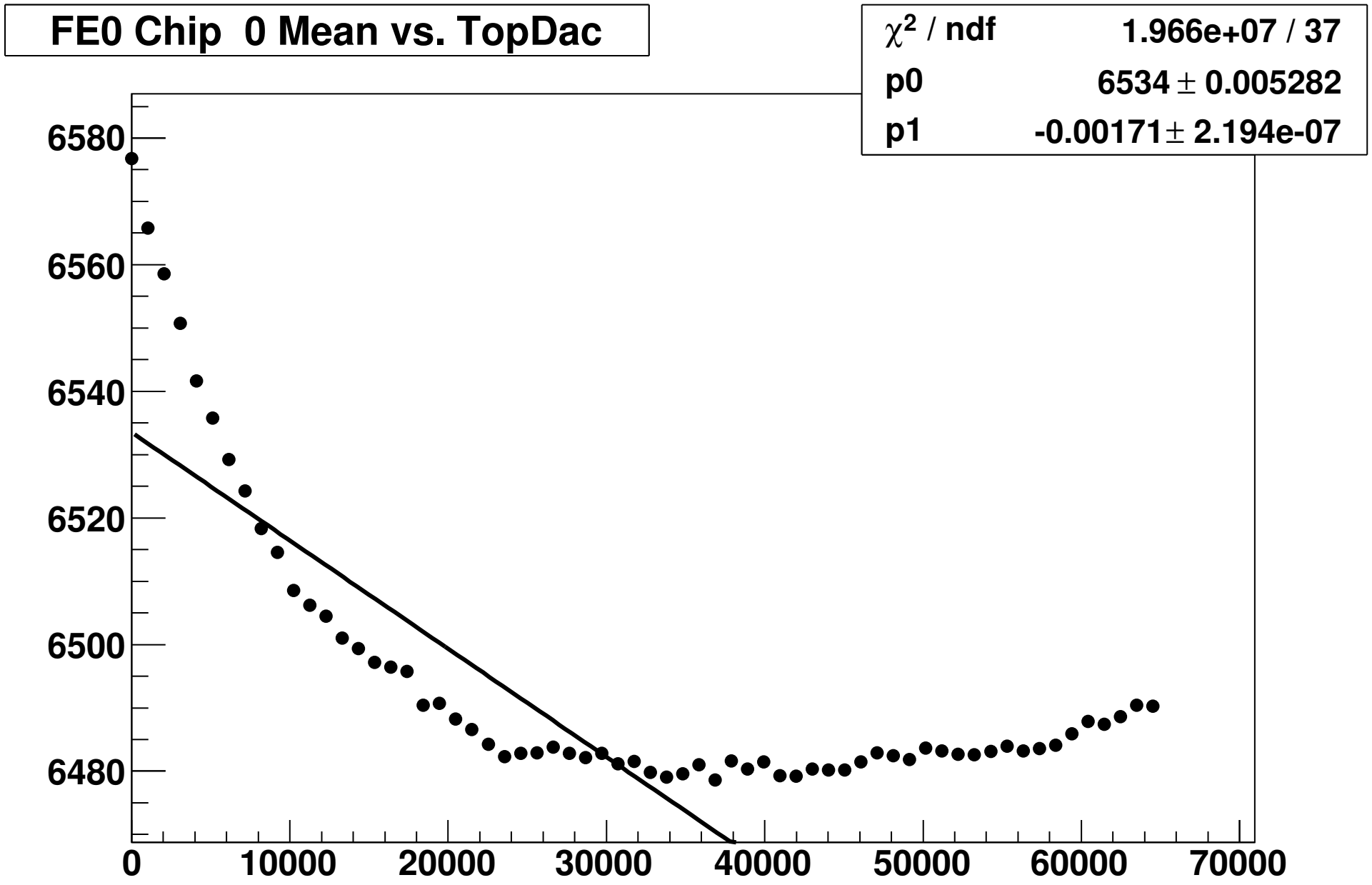
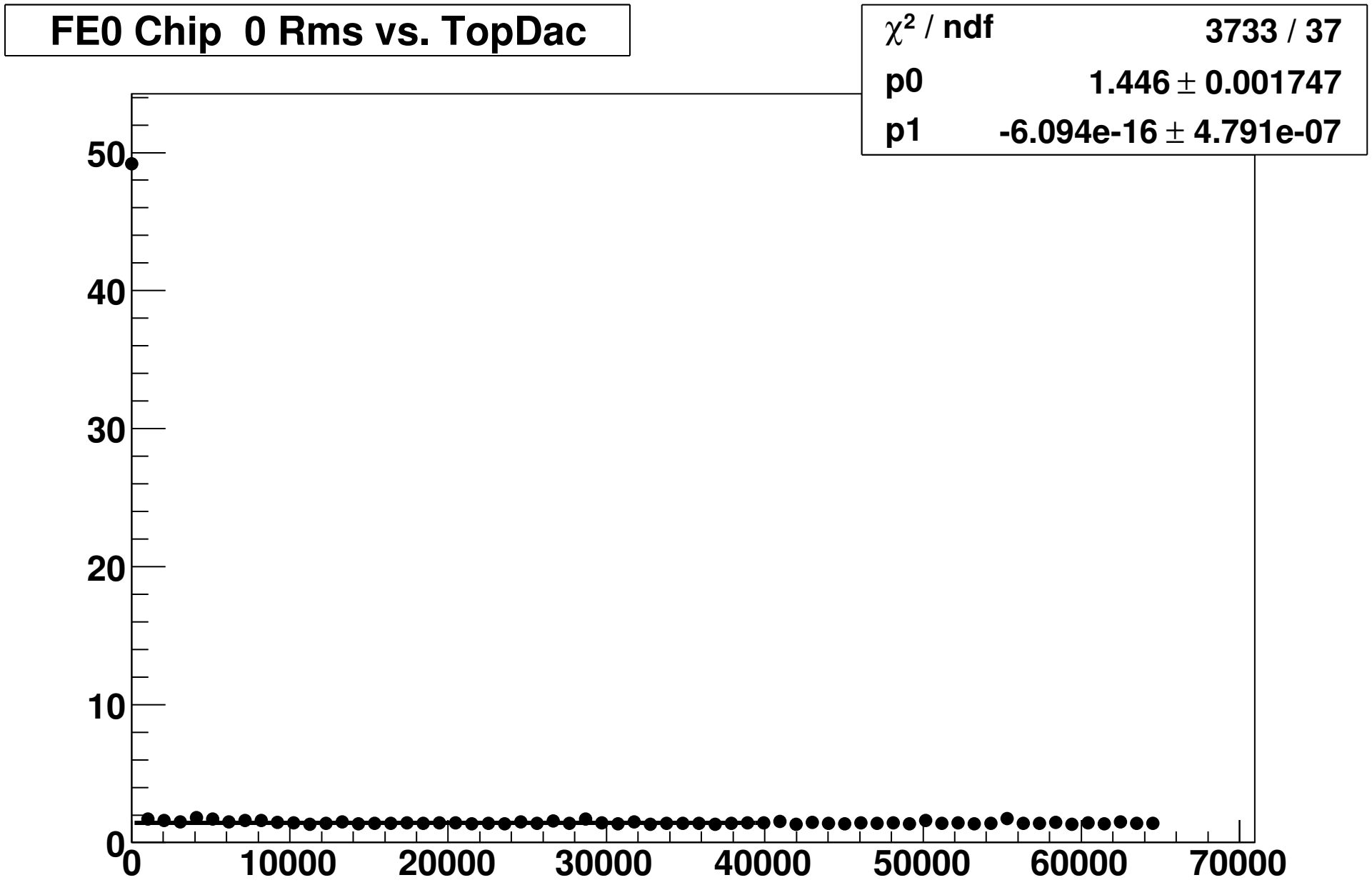
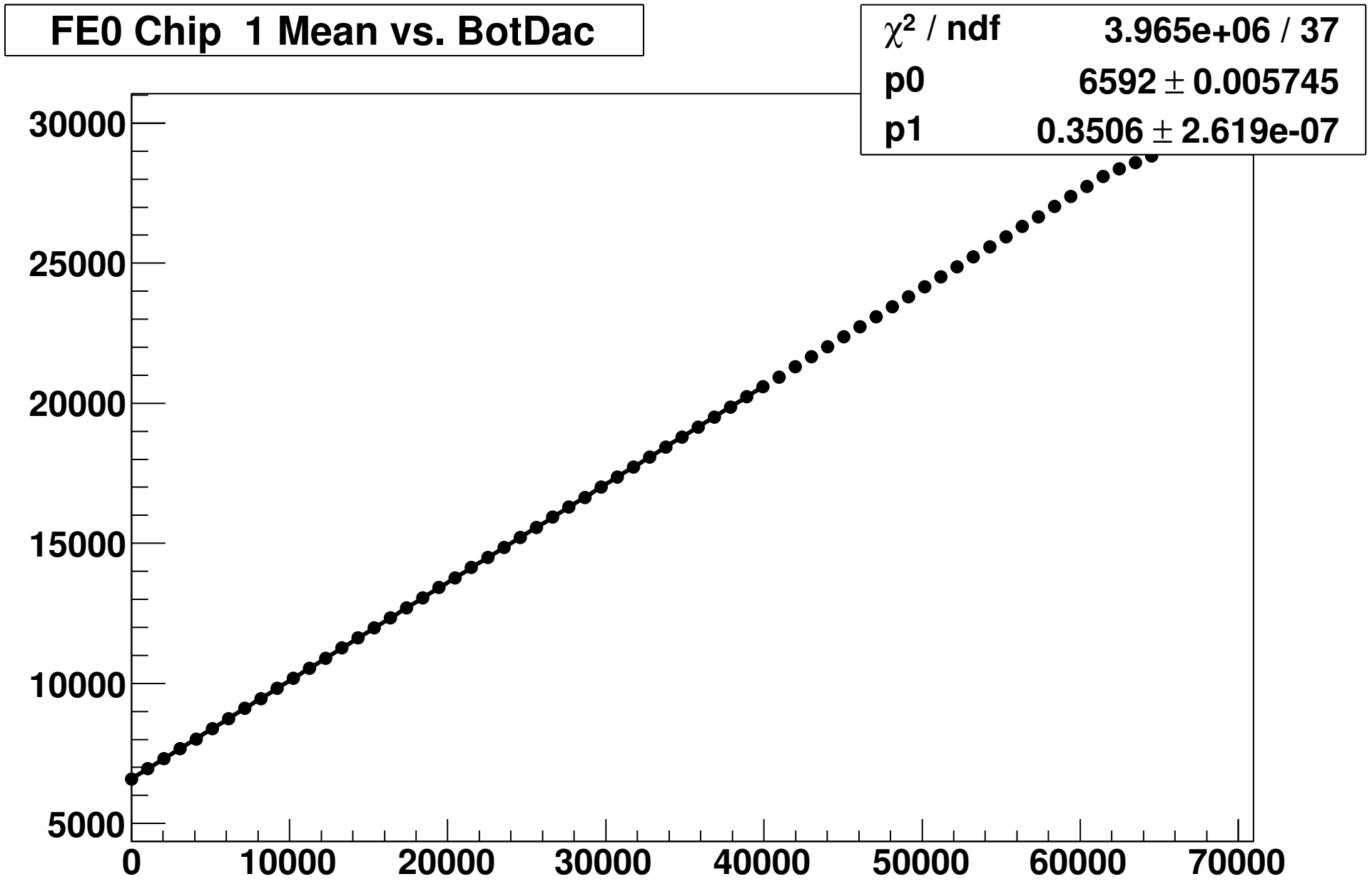
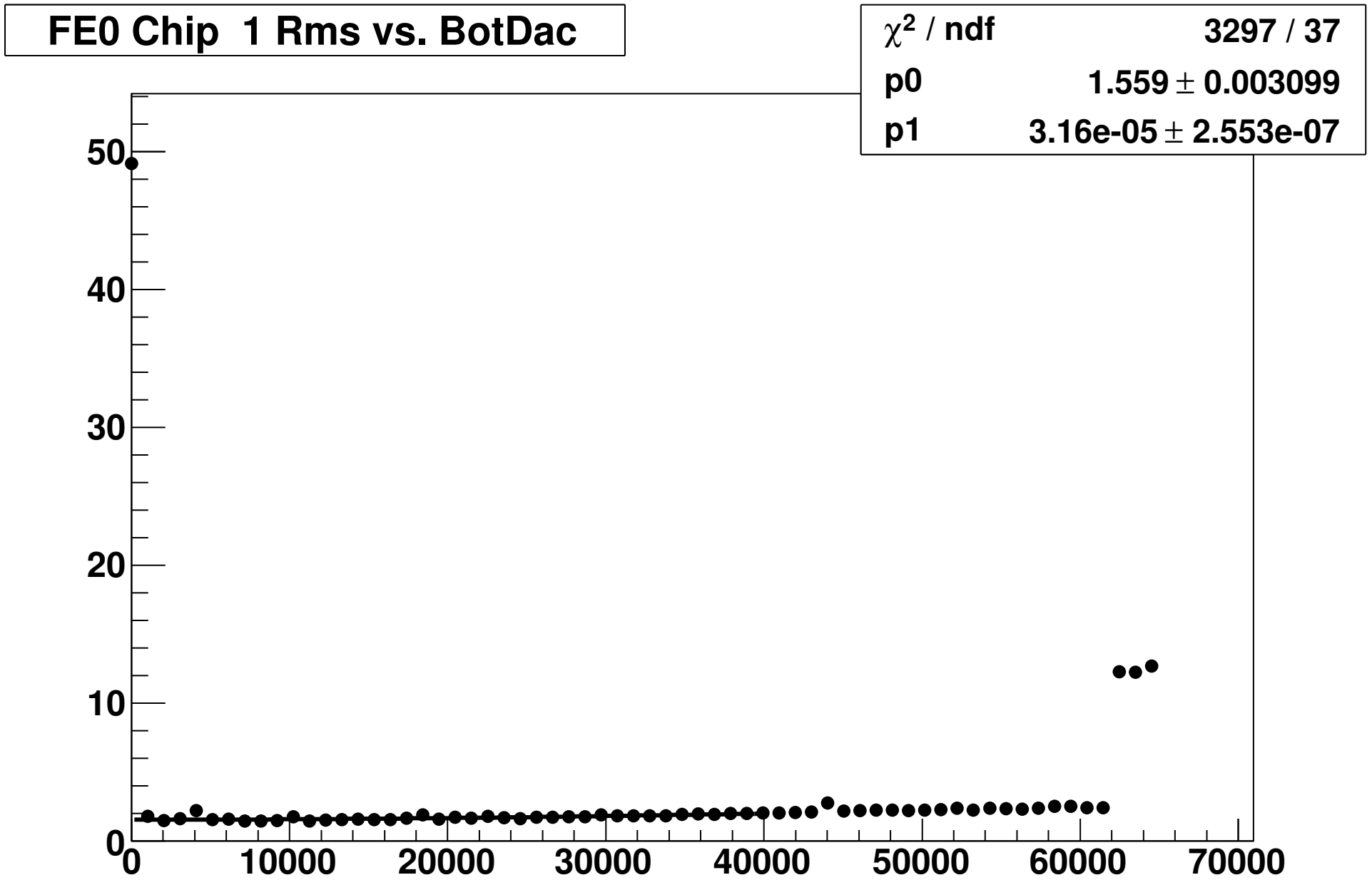

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 3.527e+06 / 37
p0 6593 ± 0.005946
p1 0.3506 ± 2.691e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

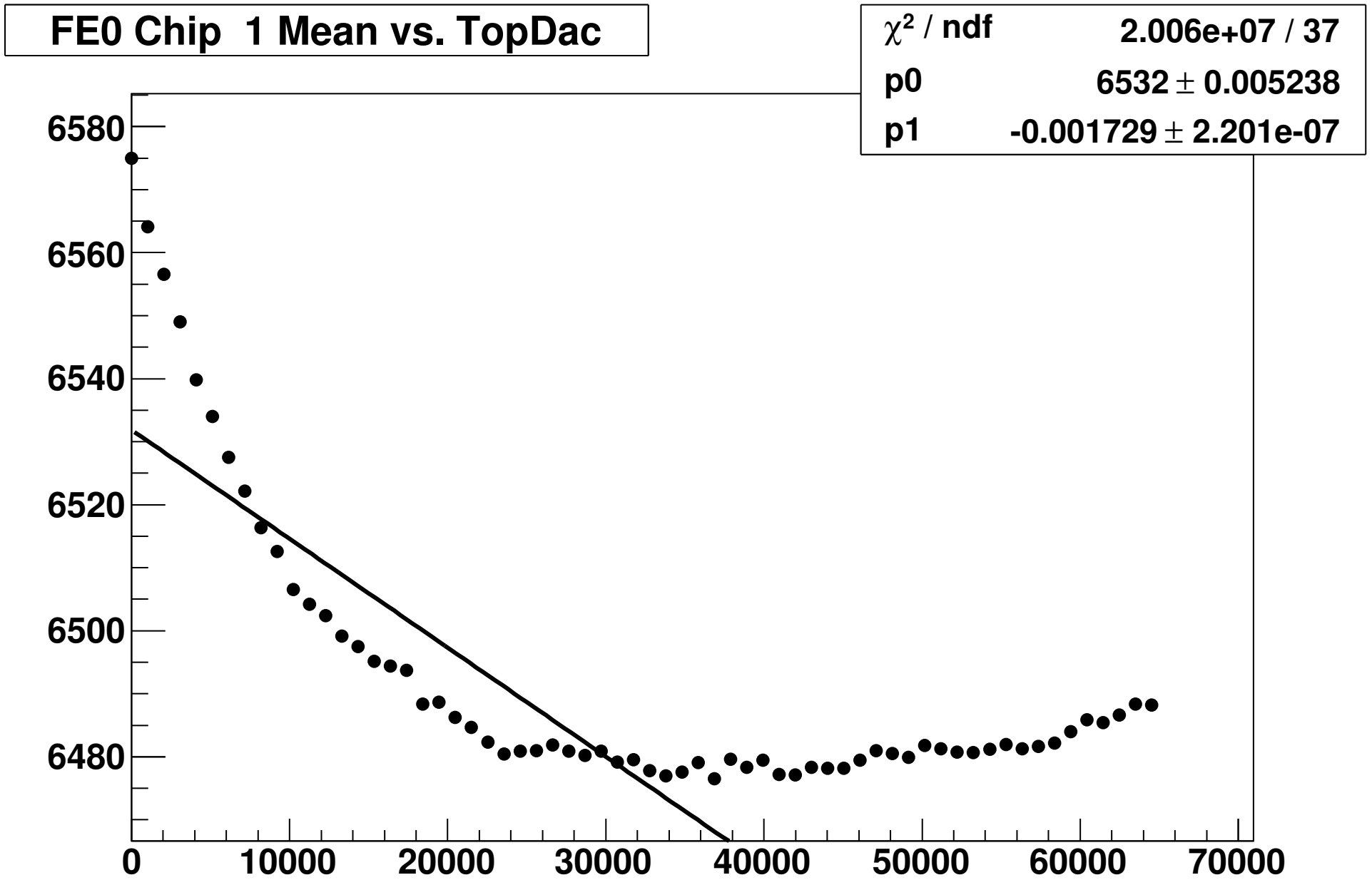

FE0 Chip 0 Rms vs. BotDac
χ² / ndf 4826 / 37
p0 1.602 ± 0.003167
p1 3.074e-05 ± 2.707e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

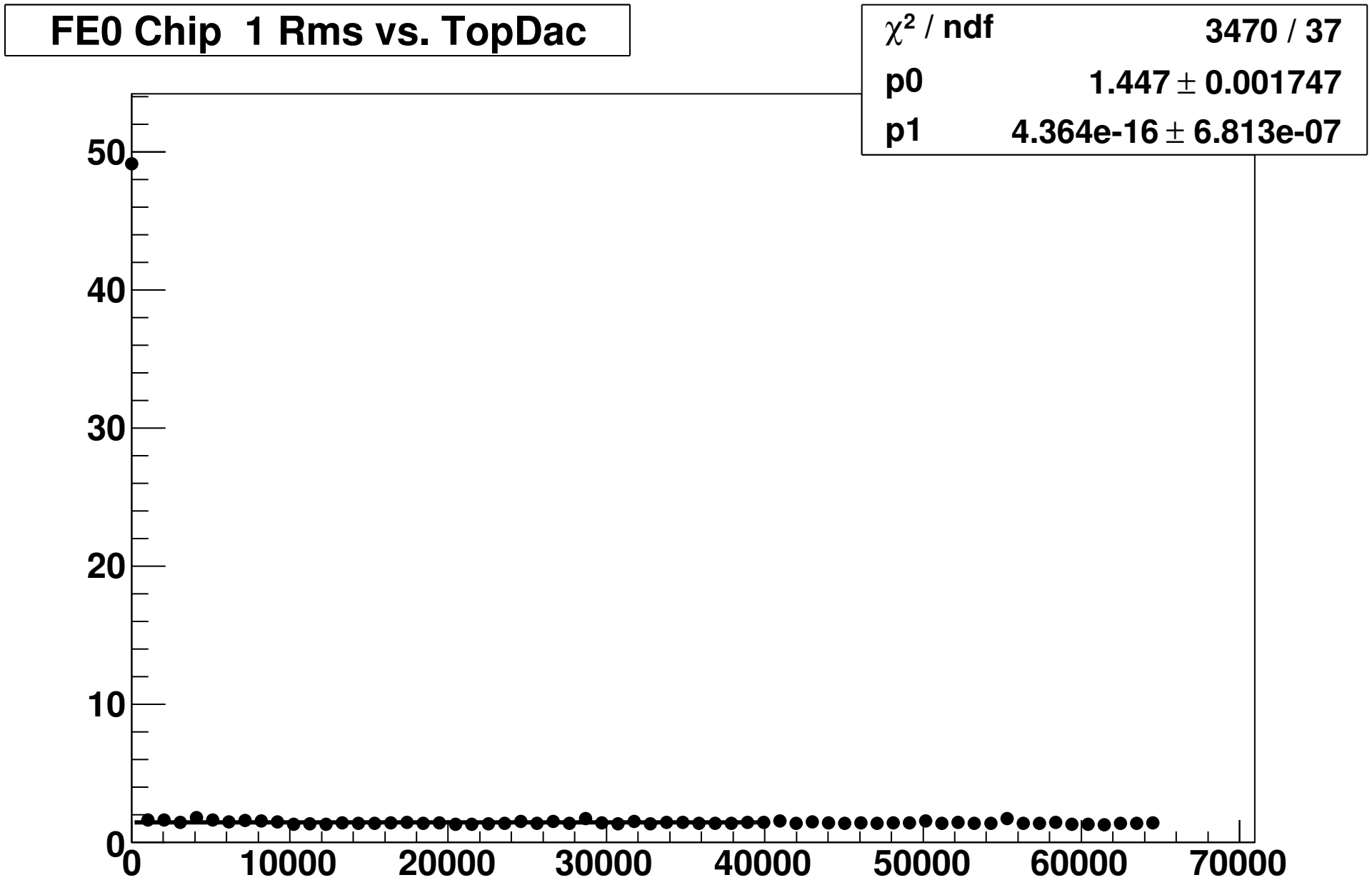

FE0 Chip 0 Mean vs. TopDac
χ² / ndf 1.966e+07 / 37
p0 6534 ± 0.005282
p1 -0.00171 ± 2.194e-07
6580
6560
6540
6520
6500
6480
0
10000
20000
30000
40000
50000
60000
70000

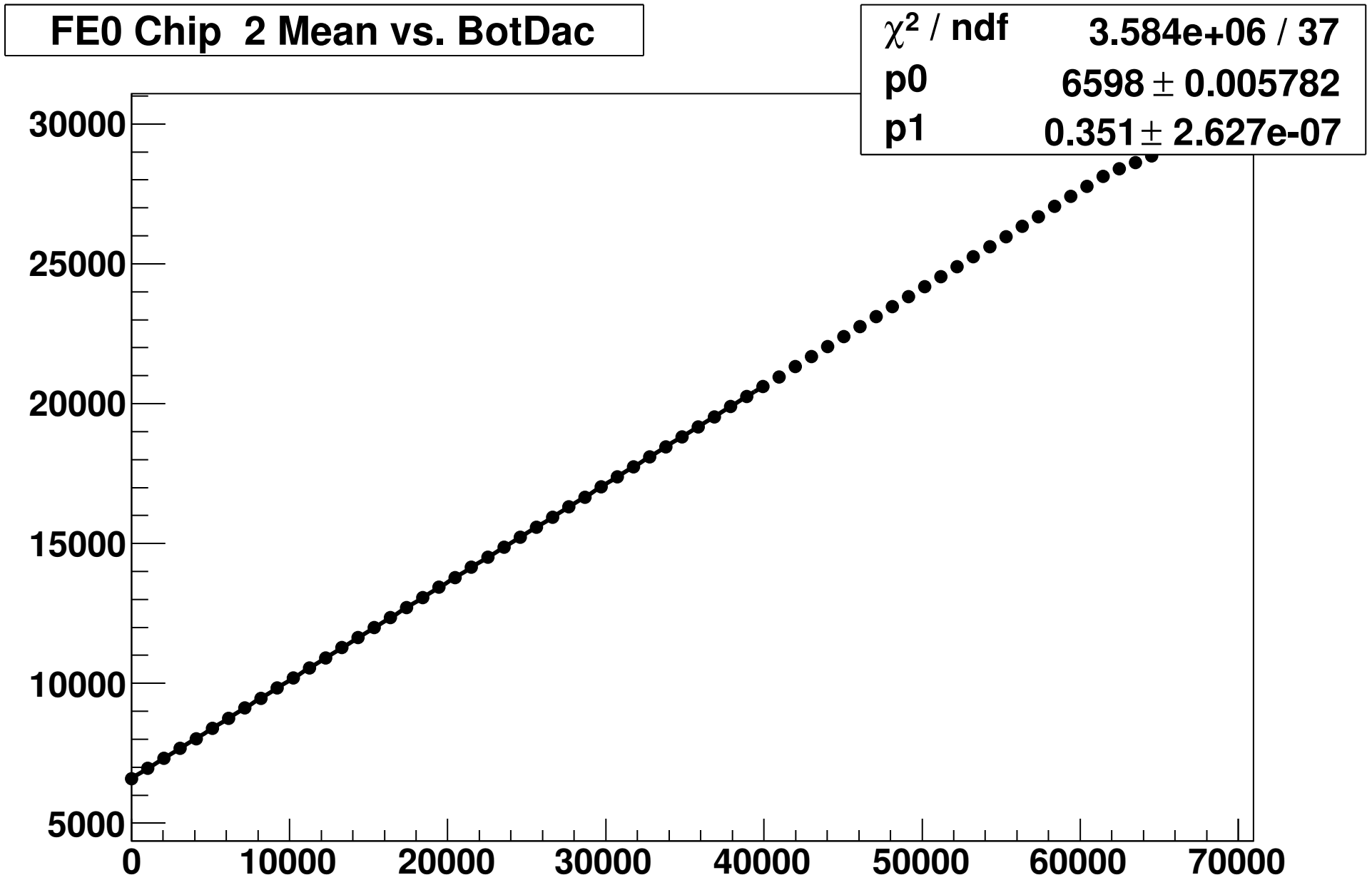

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 3733 / 37
p0 1.446 ± 0.001747
p1 -6.094e-16 ± 4.791e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

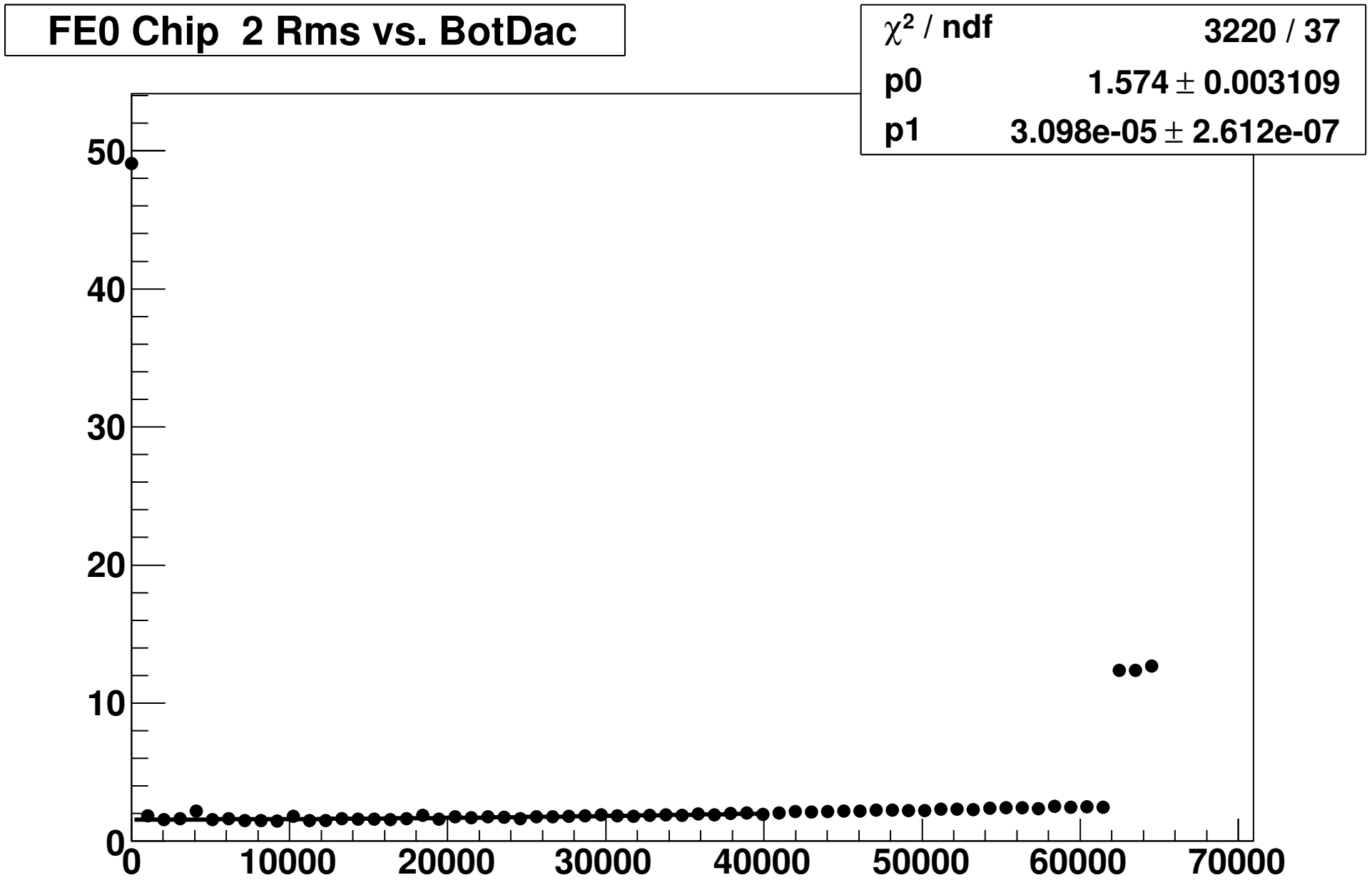

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 3.965e+06 / 37
p0 6592 ± 0.005745
p1 0.3506 ± 2.619e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

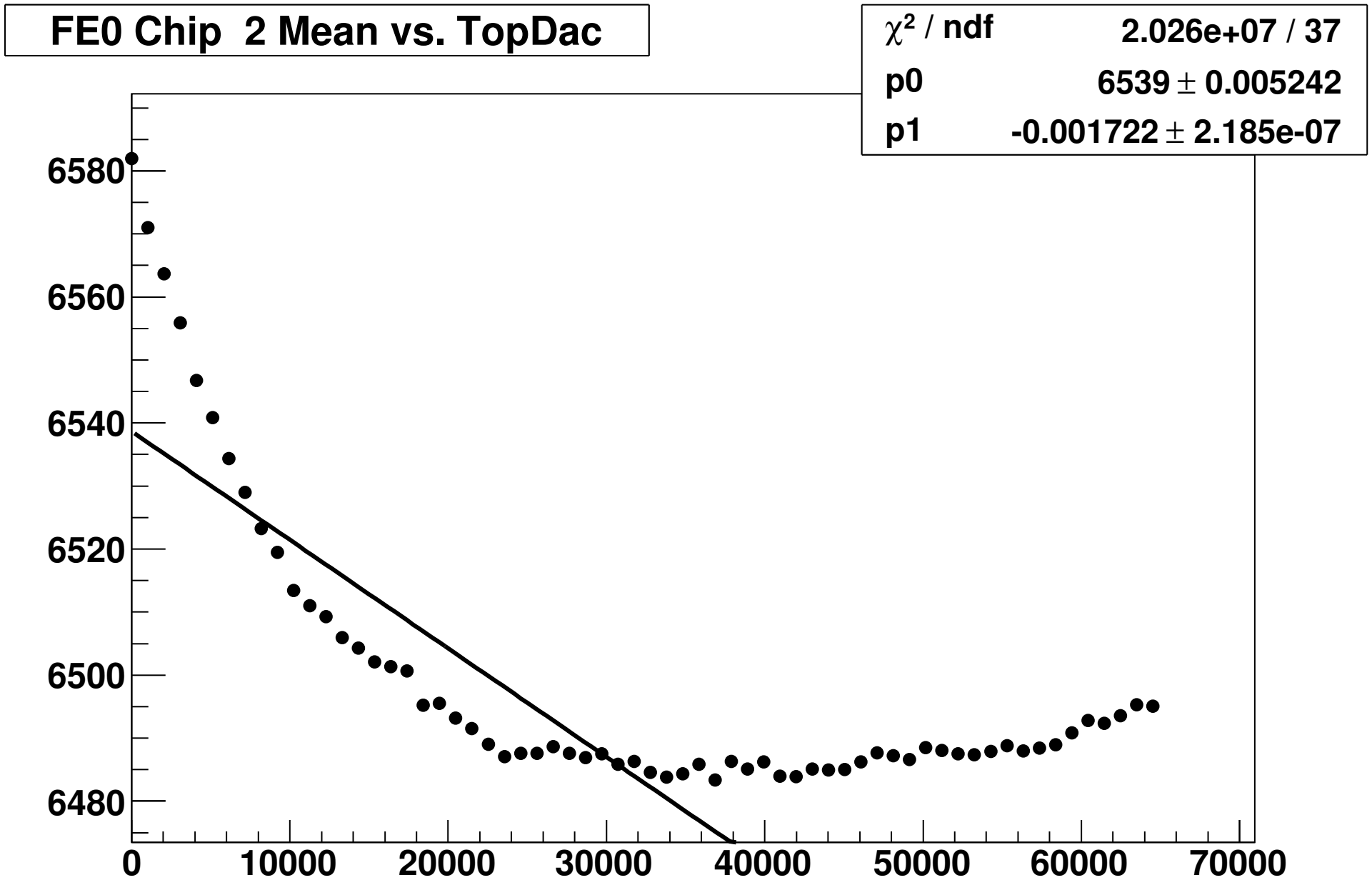

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 3297 / 37
p0 1.559 ± 0.003099
p1 3.16e-05 ± 2.553e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

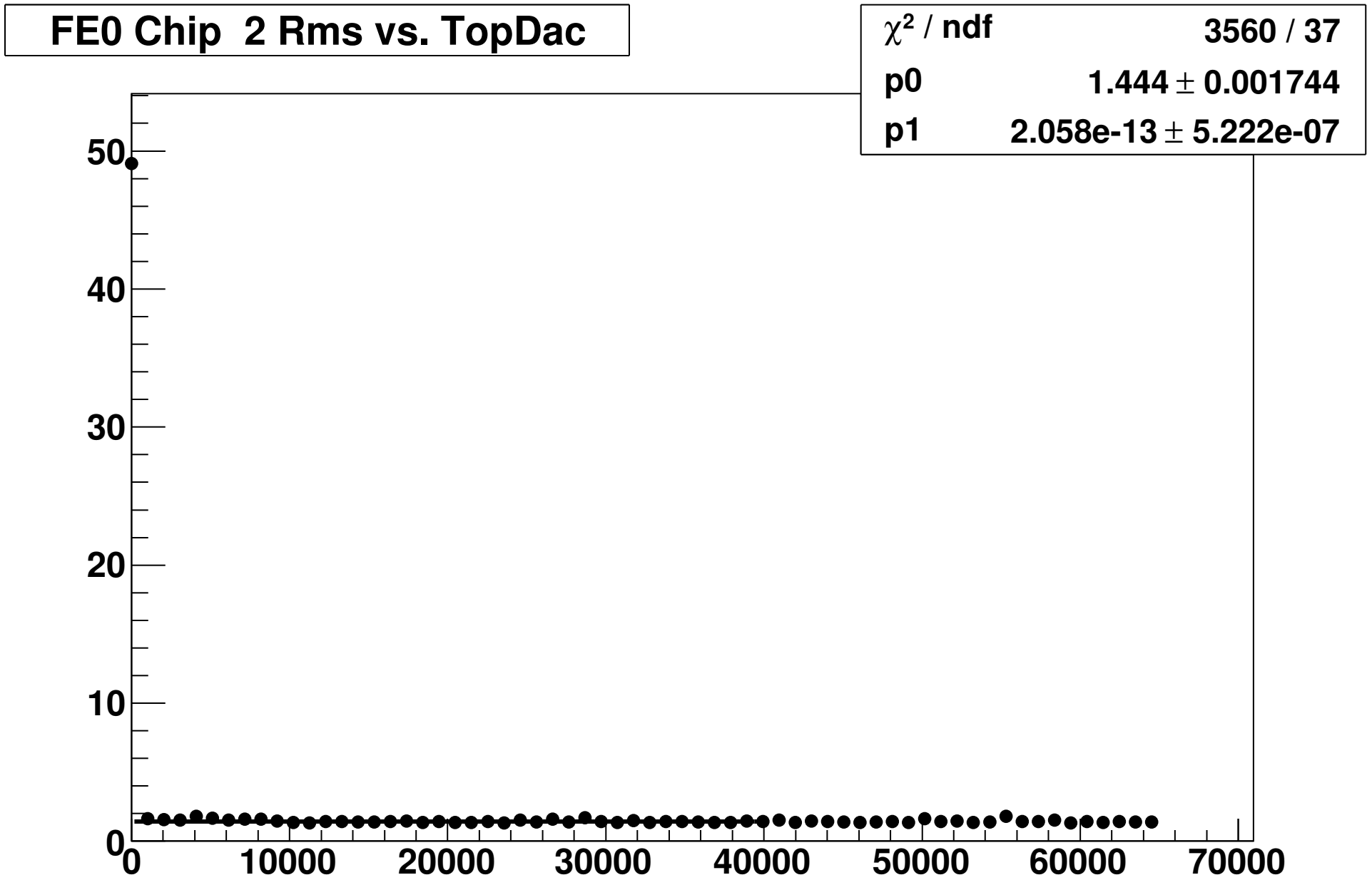

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 2.006e+07 / 37
p0 6532 ± 0.005238
p1 -0.001729 ± 2.201e-07
6580
6560
6540
6520
6500
6480
0
10000
20000
30000
40000
50000
60000
70000

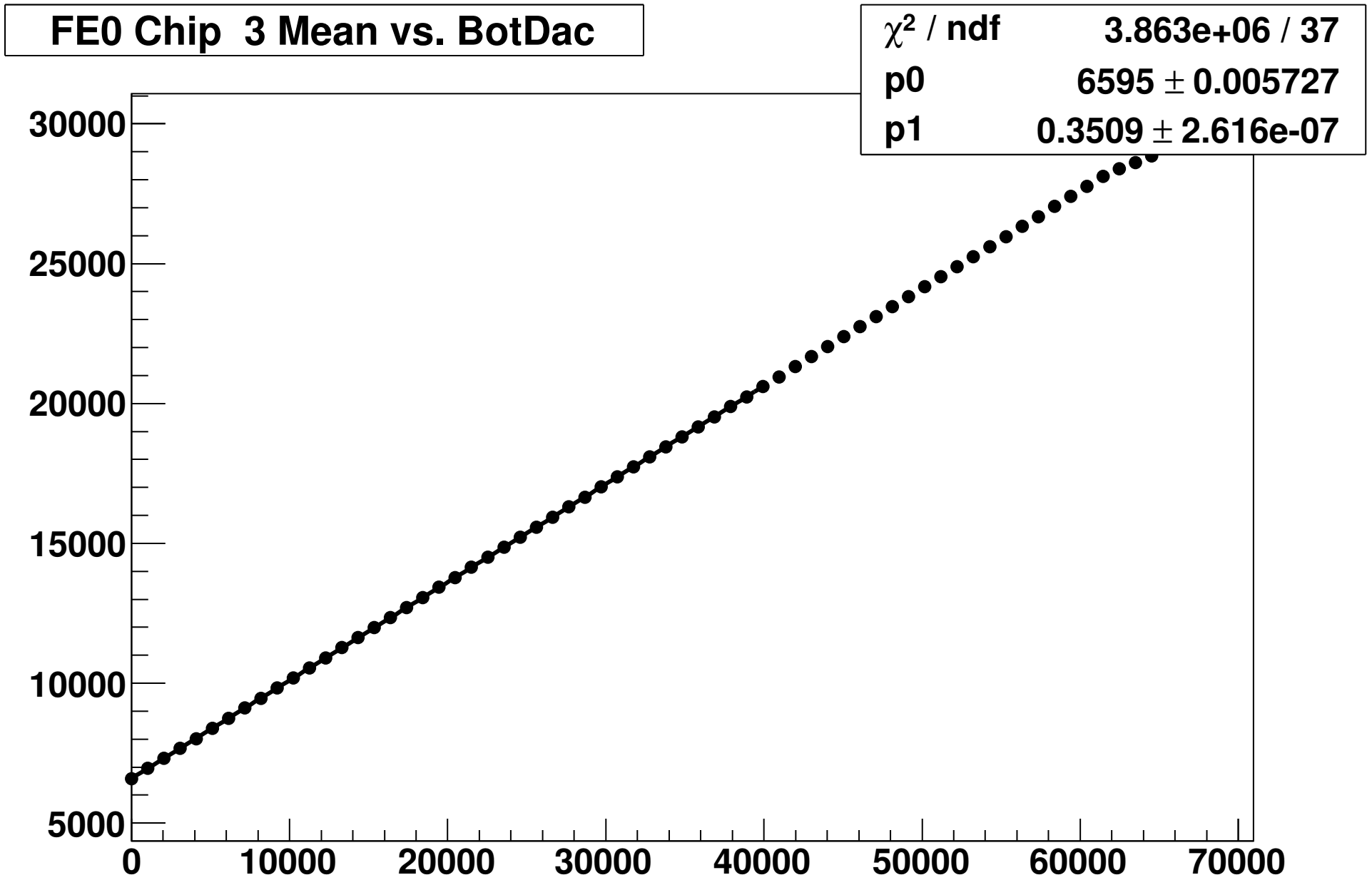

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 3470 / 37
p0 1.447 ± 0.001747
p1 4.364e-16 ± 6.813e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

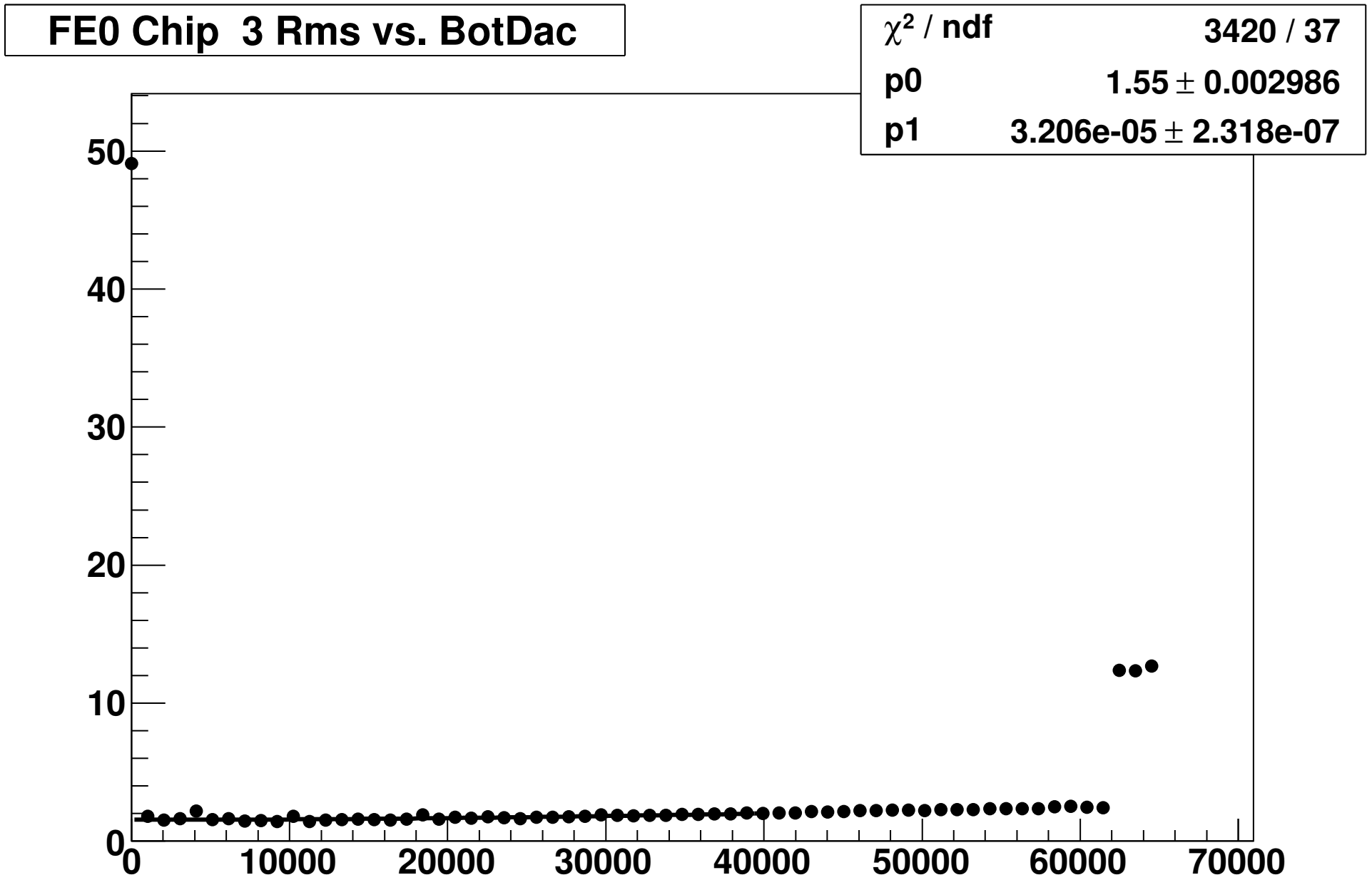

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 3.584e+06 / 37
p0 6598 ± 0.005782
p1 0.351 ± 2.627e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

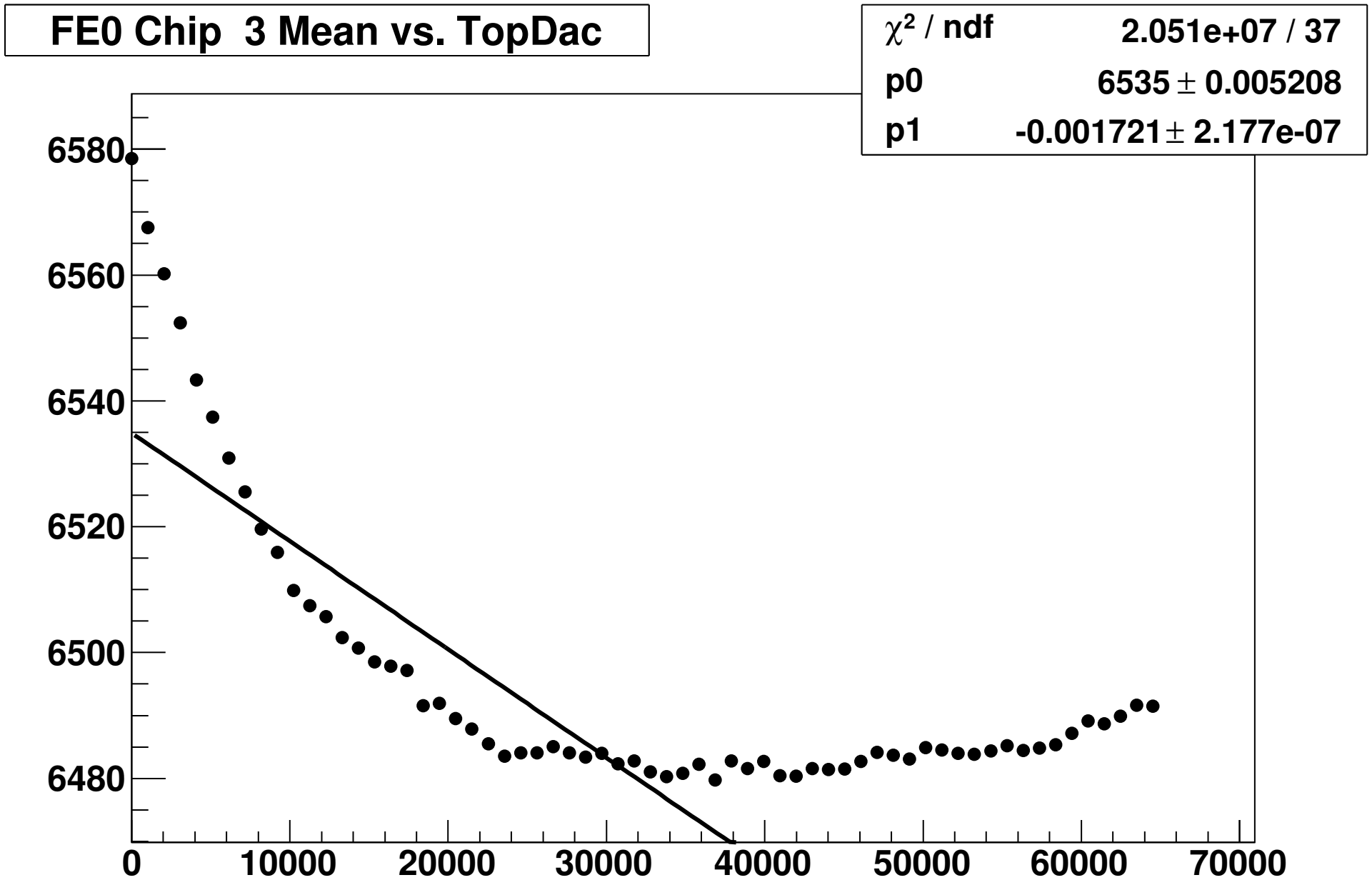

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 3220 / 37
p0 1.574 ± 0.003109
p1 3.098e-05 ± 2.612e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

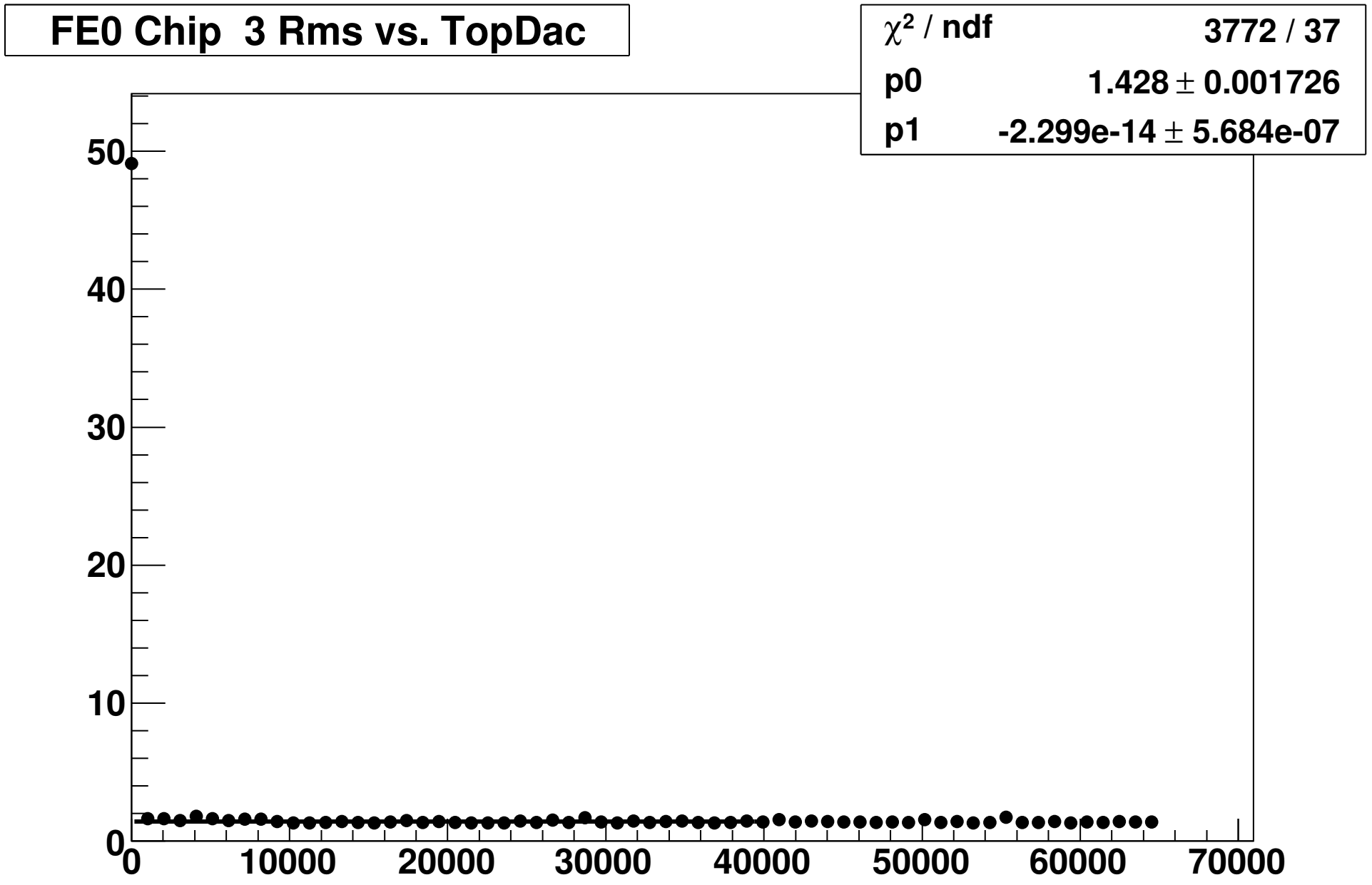

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 2.026e+07 / 37
p0 6539 ± 0.005242
p1 -0.001722 ± 2.185e-07
6580
6560
6540
6520
6500
6480
0
10000
20000
30000
40000
50000
60000
70000

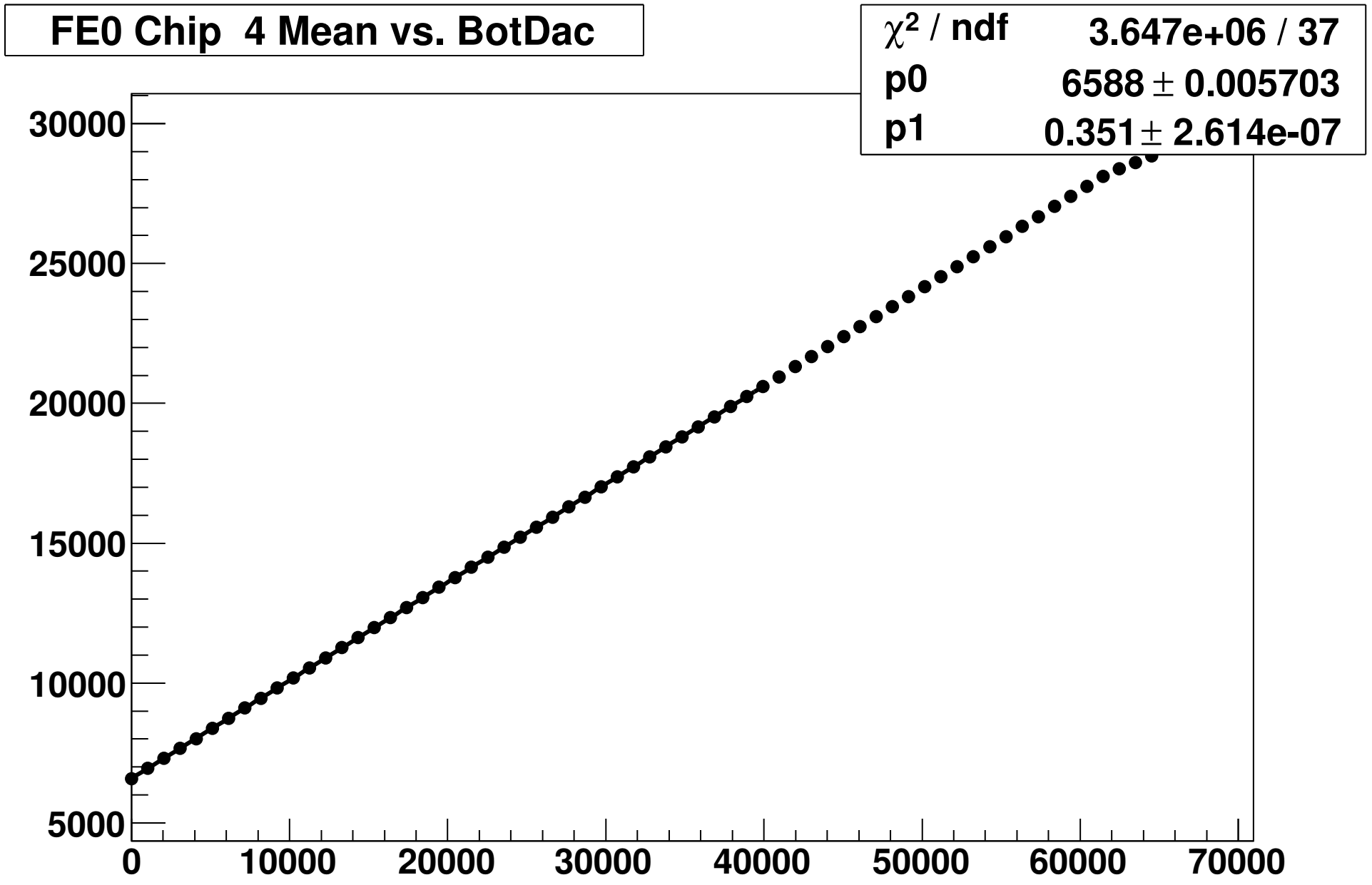

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 3560 / 37
p0 1.444 ± 0.001744
p1 2.058e-13 ± 5.222e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

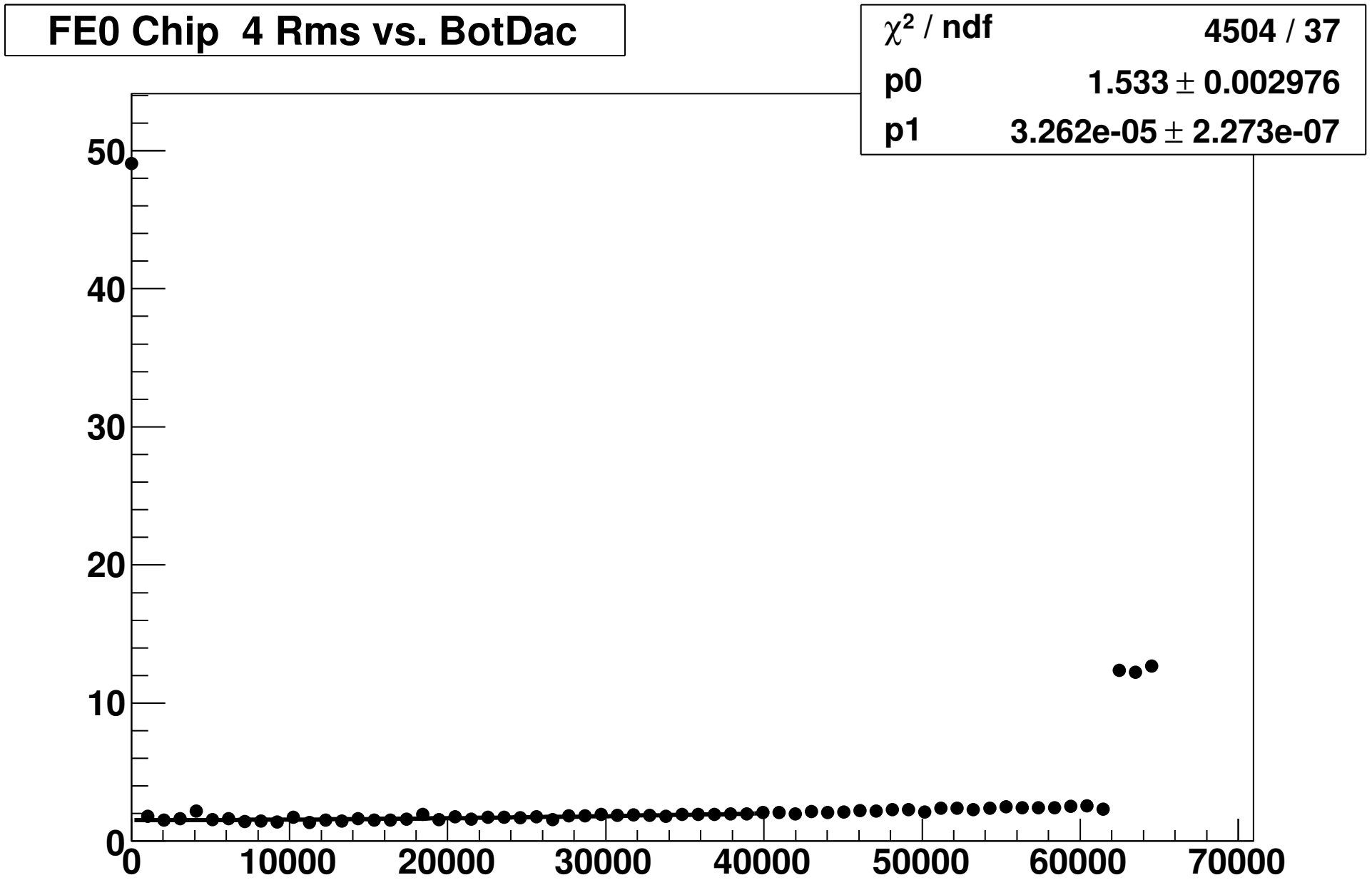

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 3.863e+06 / 37
p0 6595 ± 0.005727
p1 0.3509 ± 2.616e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

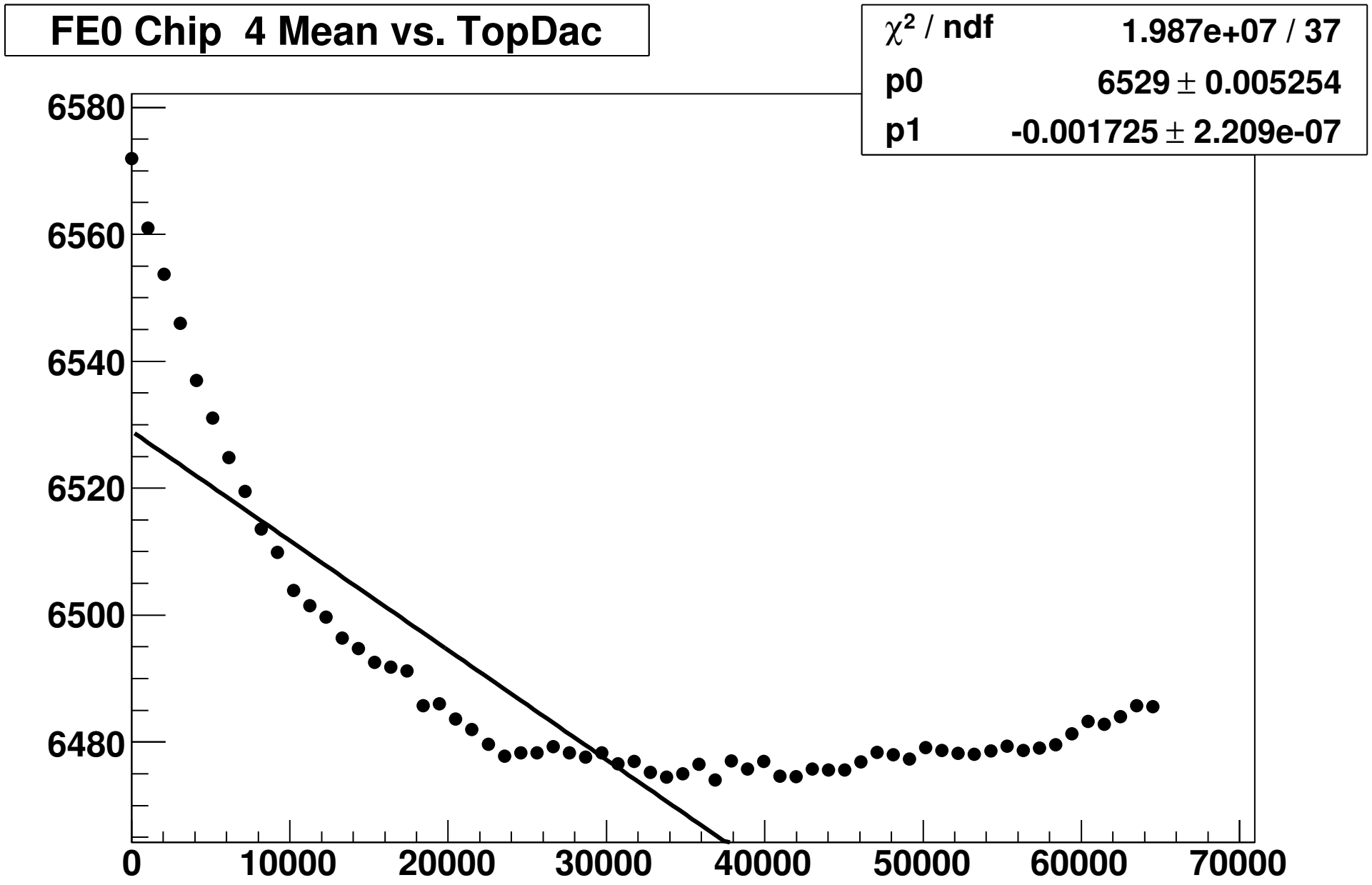

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 3420 / 37
p0 1.55 ± 0.002986
p1 3.206e-05 ± 2.318e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

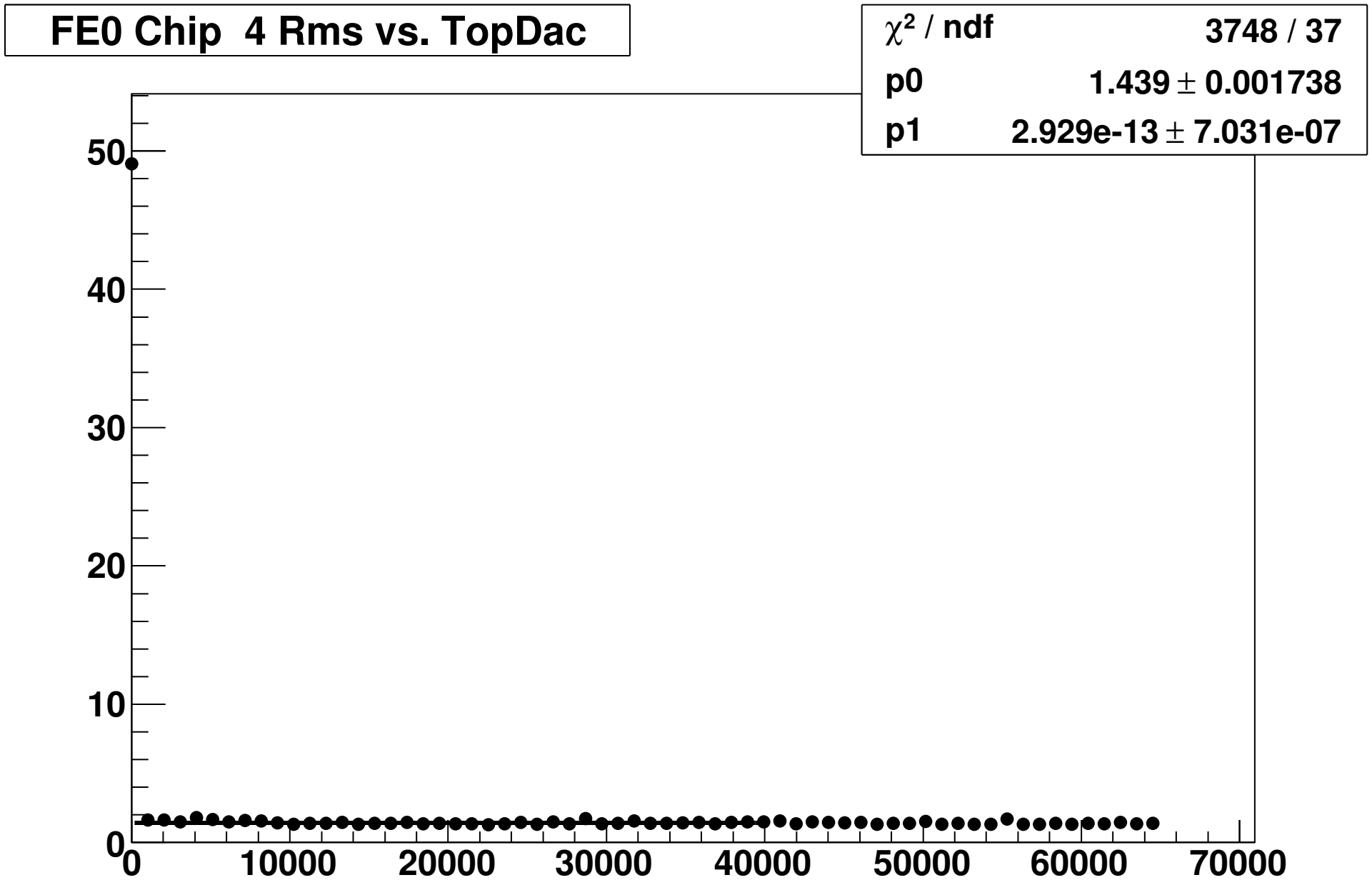

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 2.051e+07 / 37
p0 6535 ± 0.005208
p1 -0.001721 ± 2.177e-07
6580
6560
6540
6520
6500
6480
0
10000
20000
30000
40000
50000
60000
70000

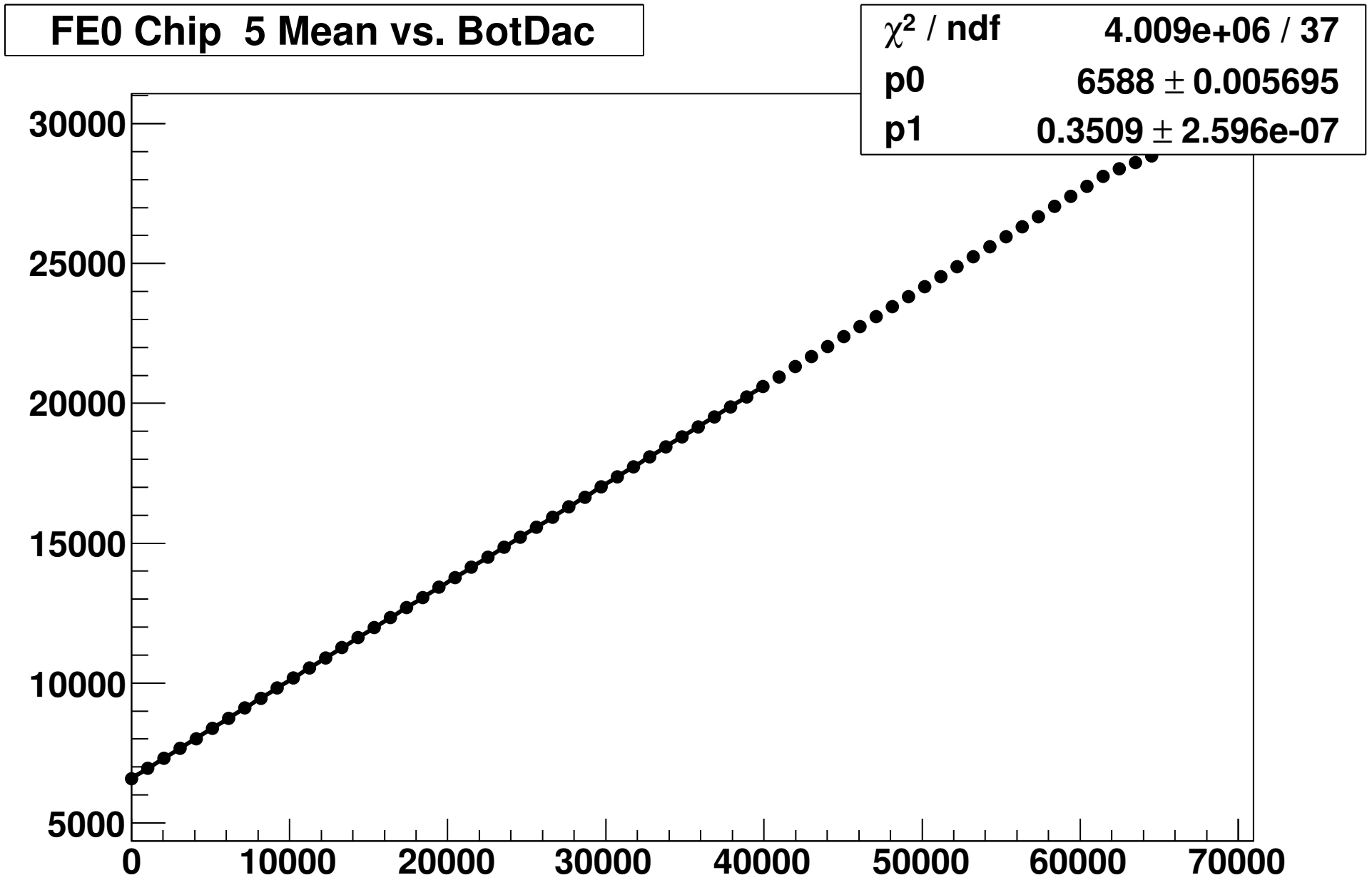

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 3772 / 37
p0 1.428 ± 0.001726
p1 -2.299e-14 ± 5.684e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

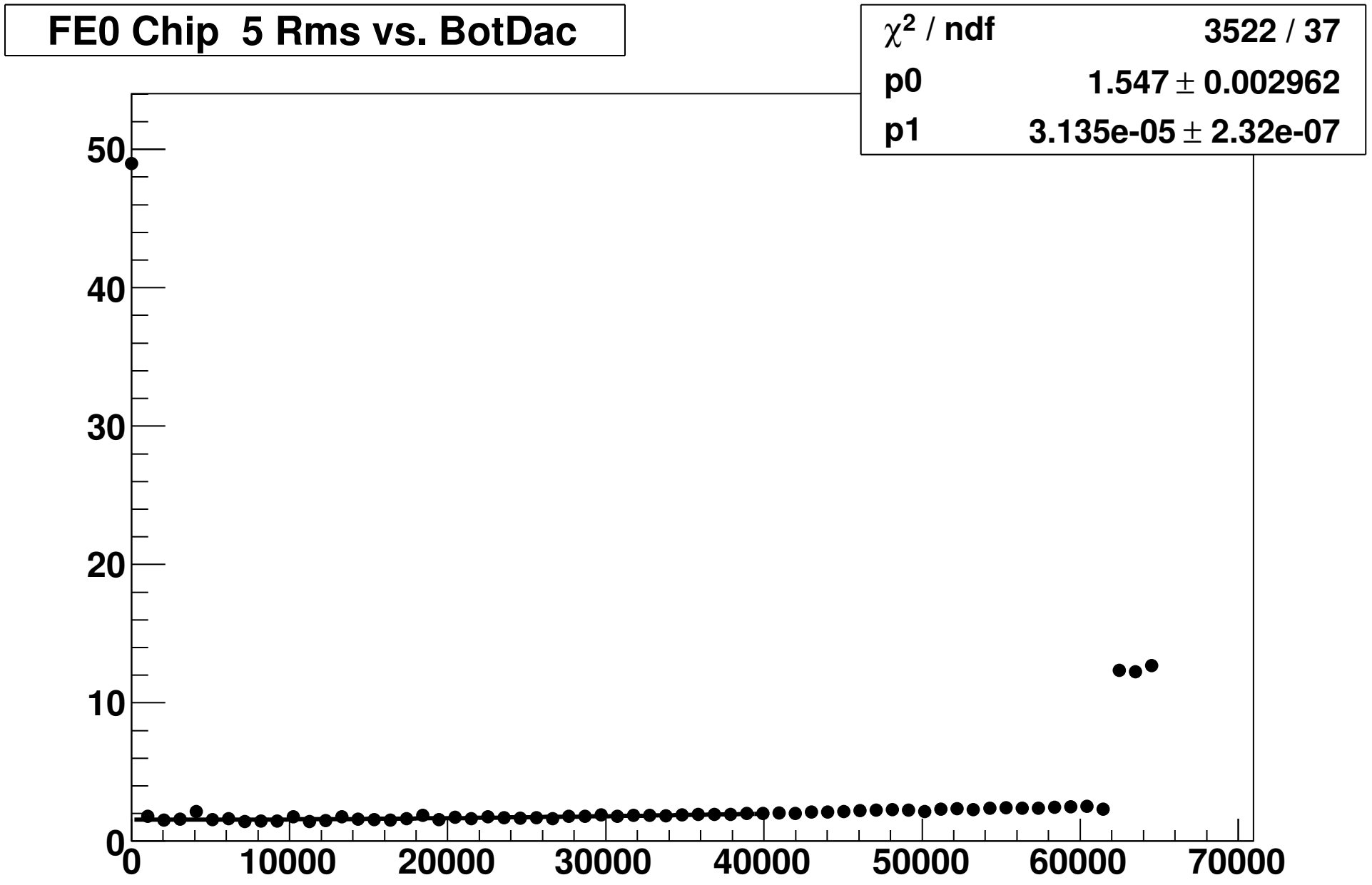

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 3.647e+06 / 37
p0 6588 ± 0.005703
p1 0.351 ± 2.614e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

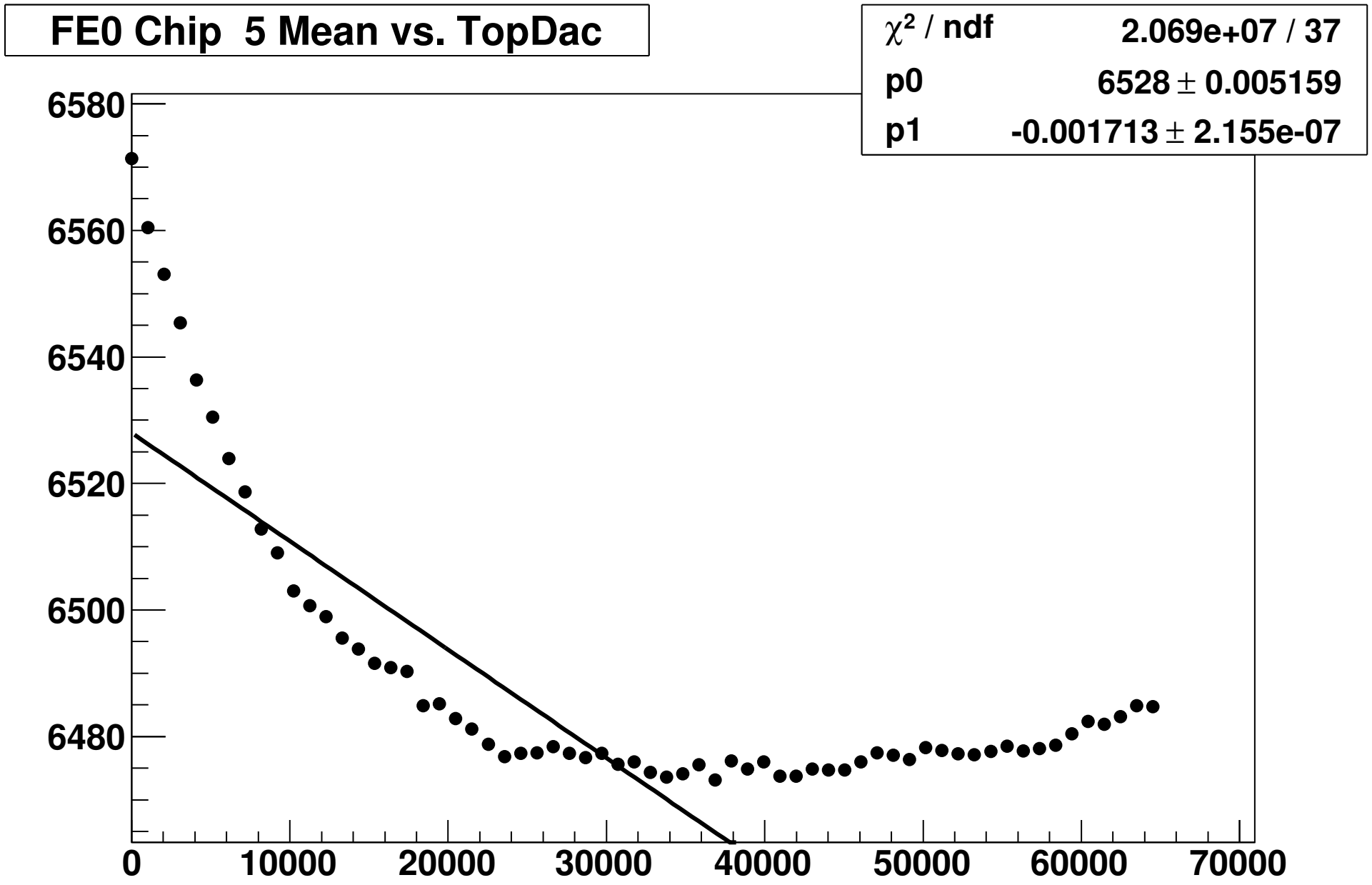

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 4504 / 37
p0 1.533 ± 0.002976
p1 3.262e-05 ± 2.273e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

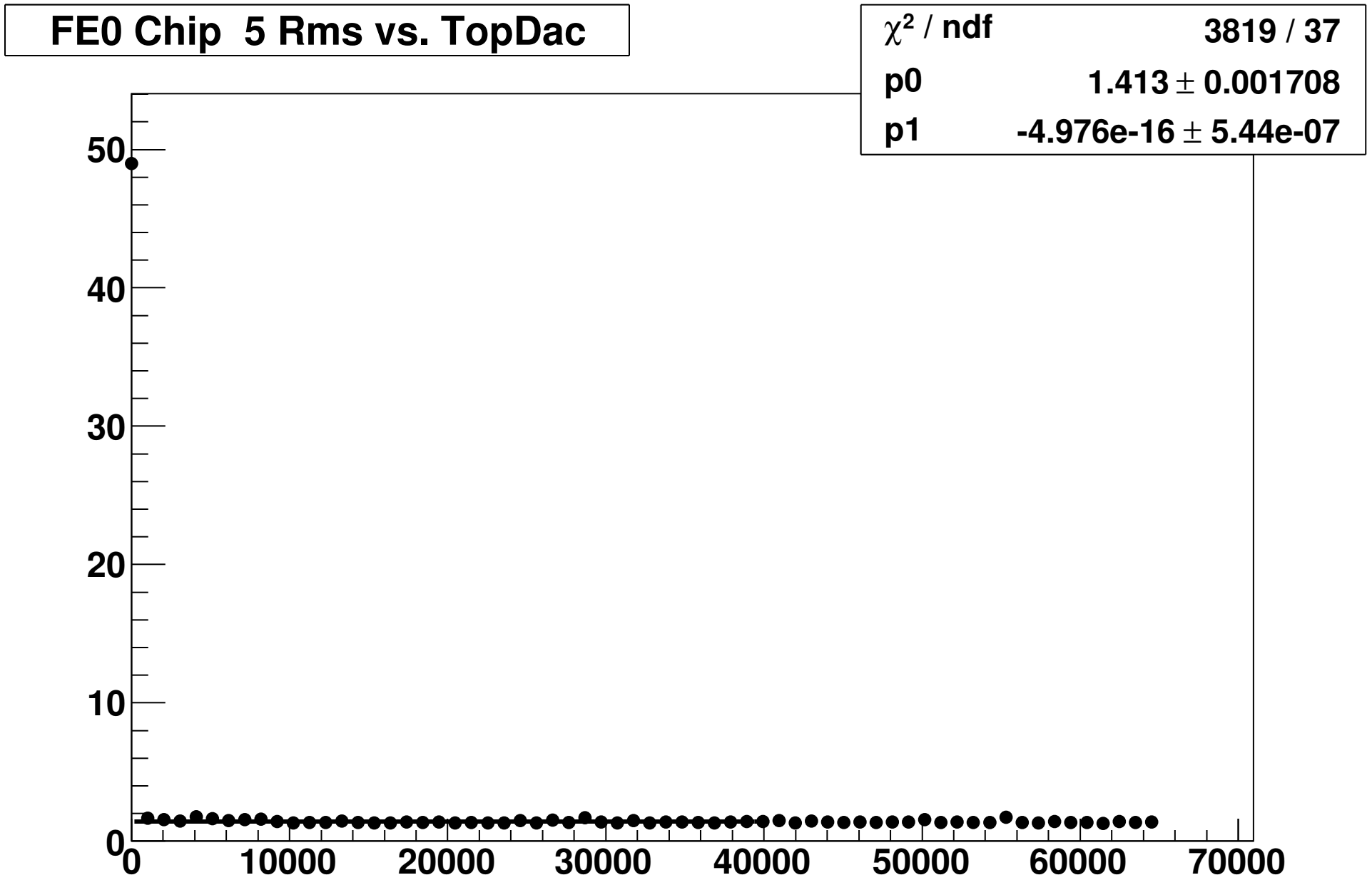

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 1.987e+07 / 37
p0 6529 ± 0.005254
p1 -0.001725 ± 2.209e-07
6580
6560
6540
6520
6500
6480
0
10000
20000
30000
40000
50000
60000
70000

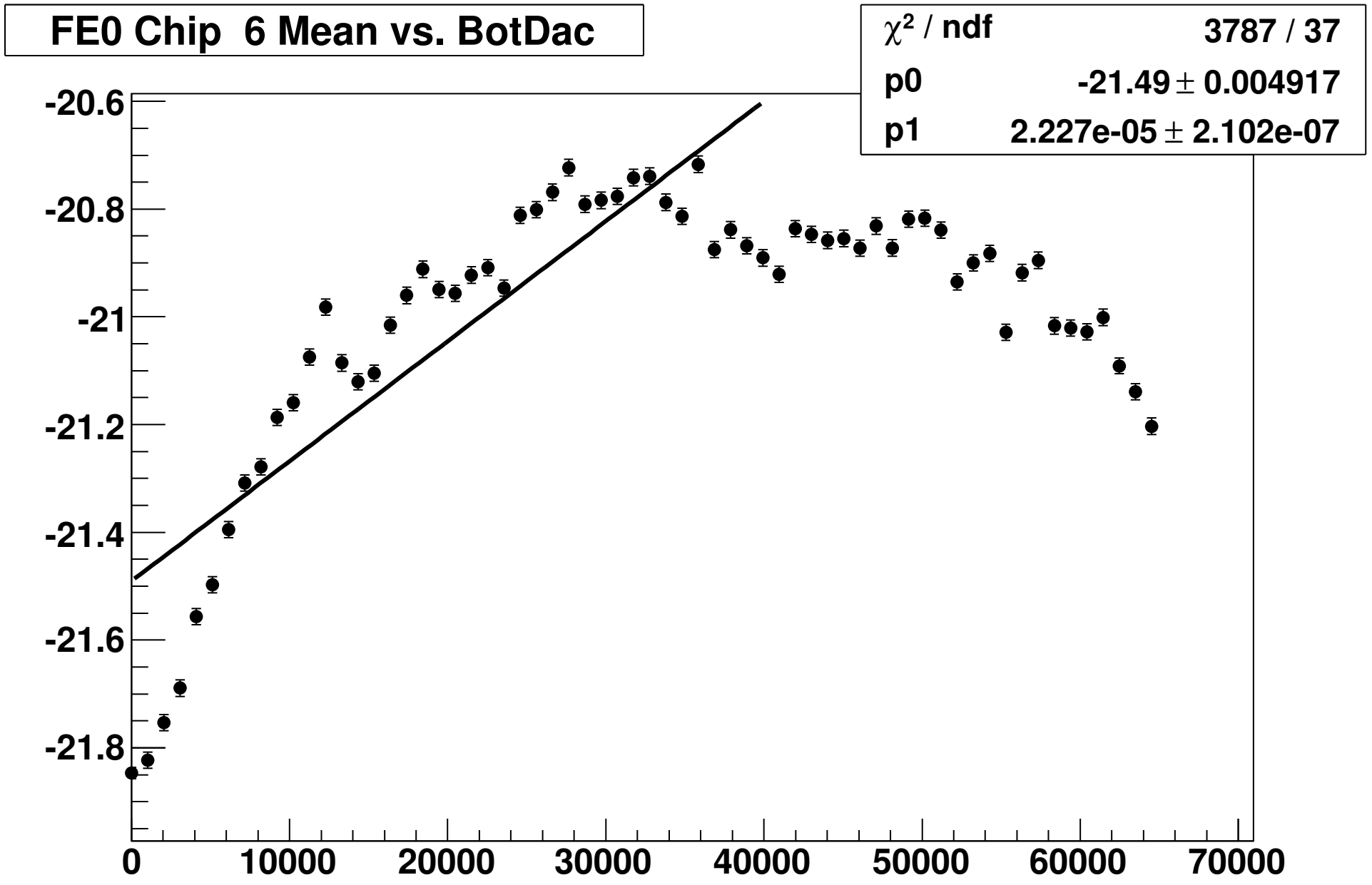

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 3748 / 37
p0 1.439 ± 0.001738
p1 2.929e-13 ± 7.031e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

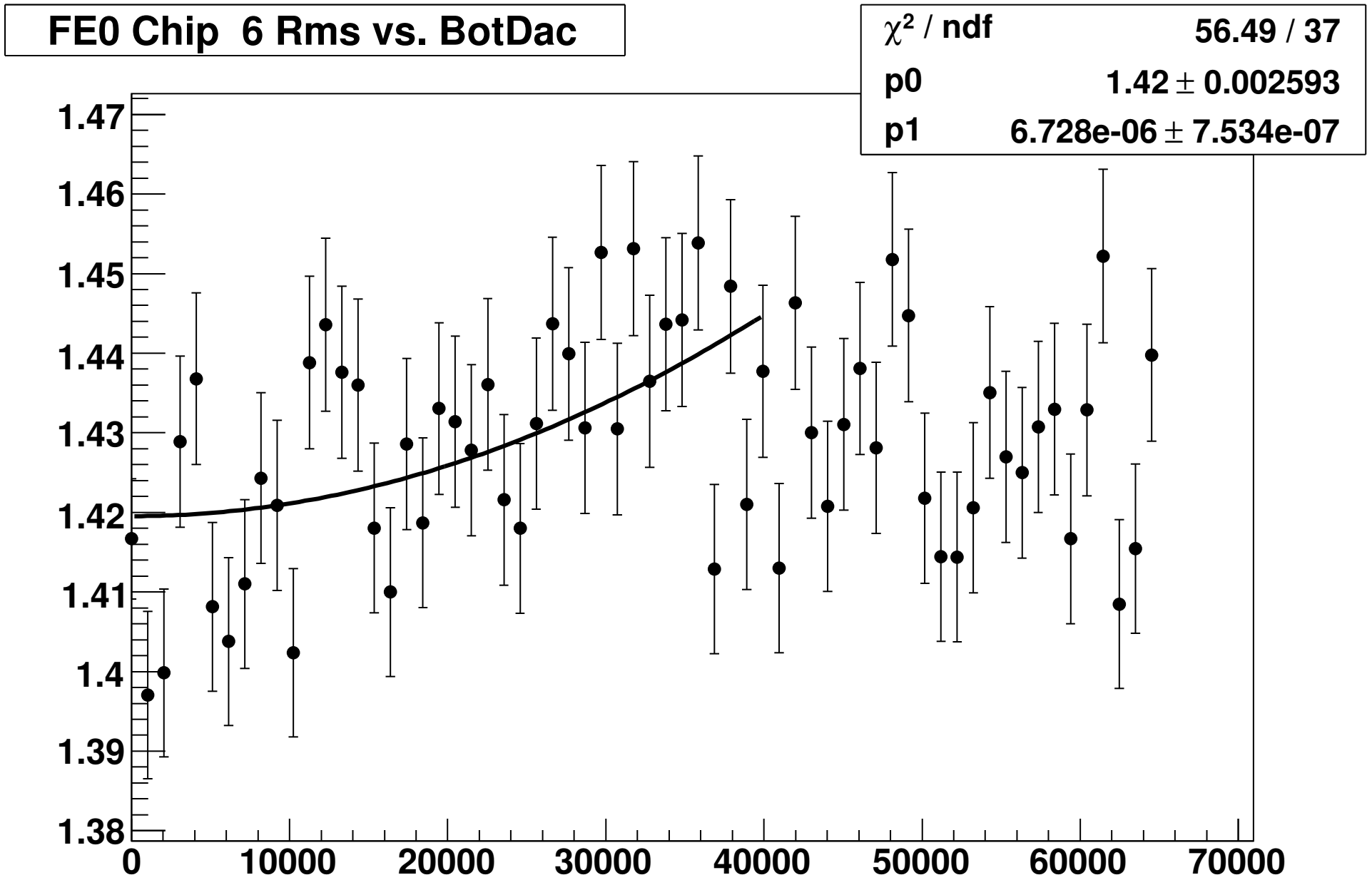

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 4.009e+06 / 37
p0 6588 ± 0.005695
p1 0.3509 ± 2.596e-07
30000
25000
20000
15000
10000
5000
0
10000
20000
30000
40000
50000
60000
70000

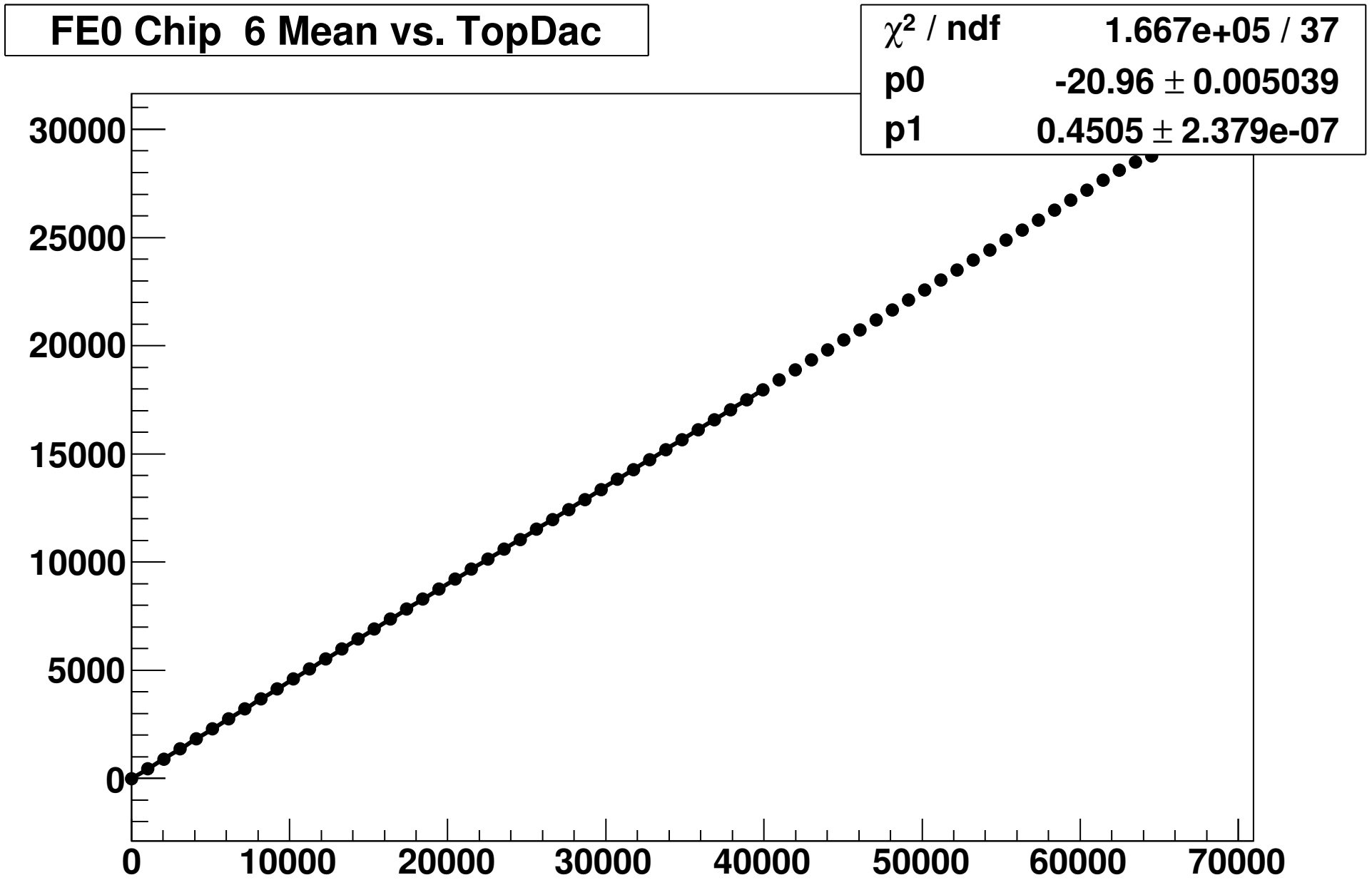

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 3522 / 37
p0 1.547 ± 0.002962
p1 3.135e-05 ± 2.32e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

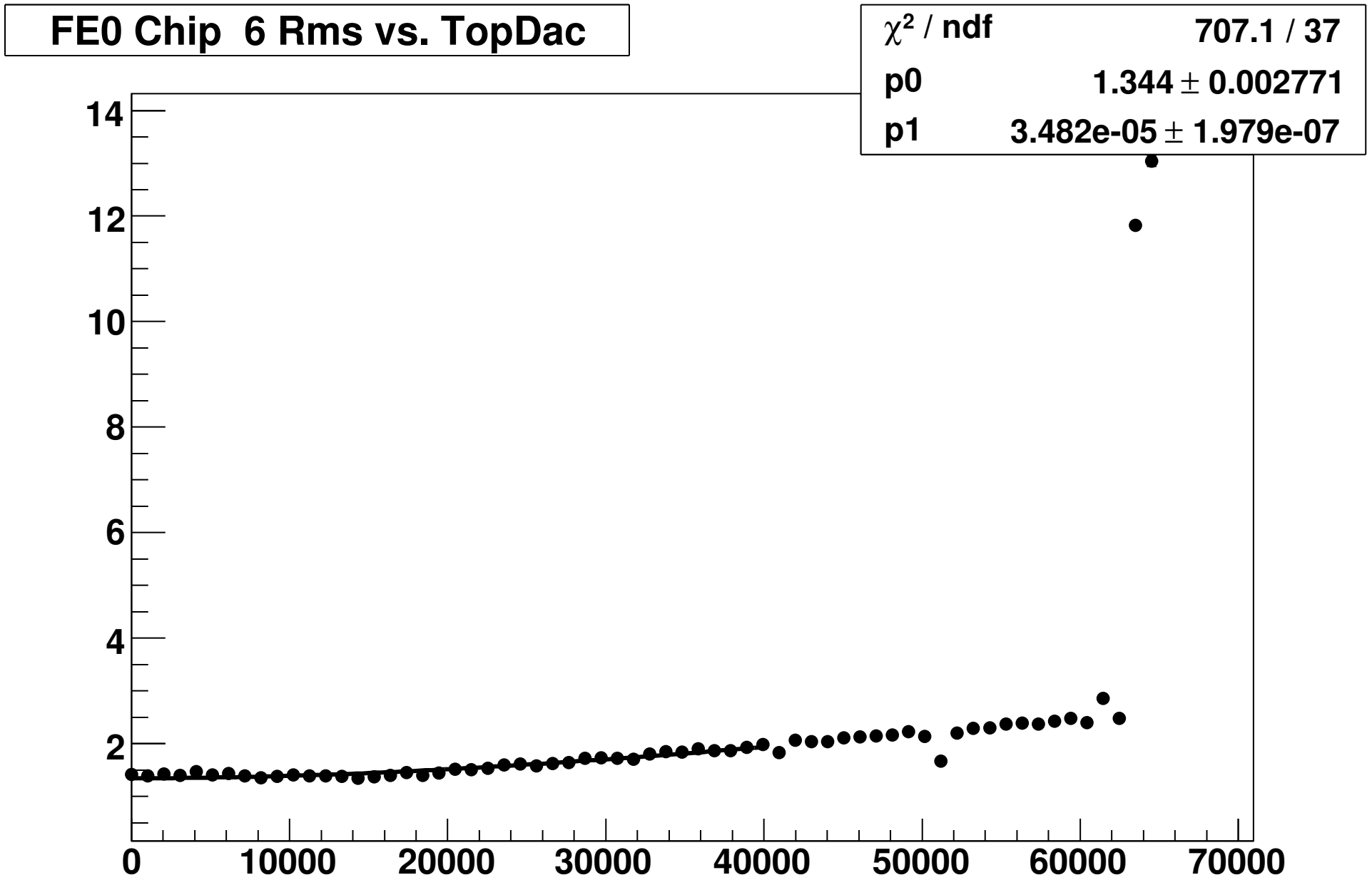

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 2.069e+07 / 37
p0 6528 ± 0.005159
p1 -0.001713 ± 2.155e-07
6580
6560
6540
6520
6500
6480
0
10000
20000
30000
40000
50000
60000
70000

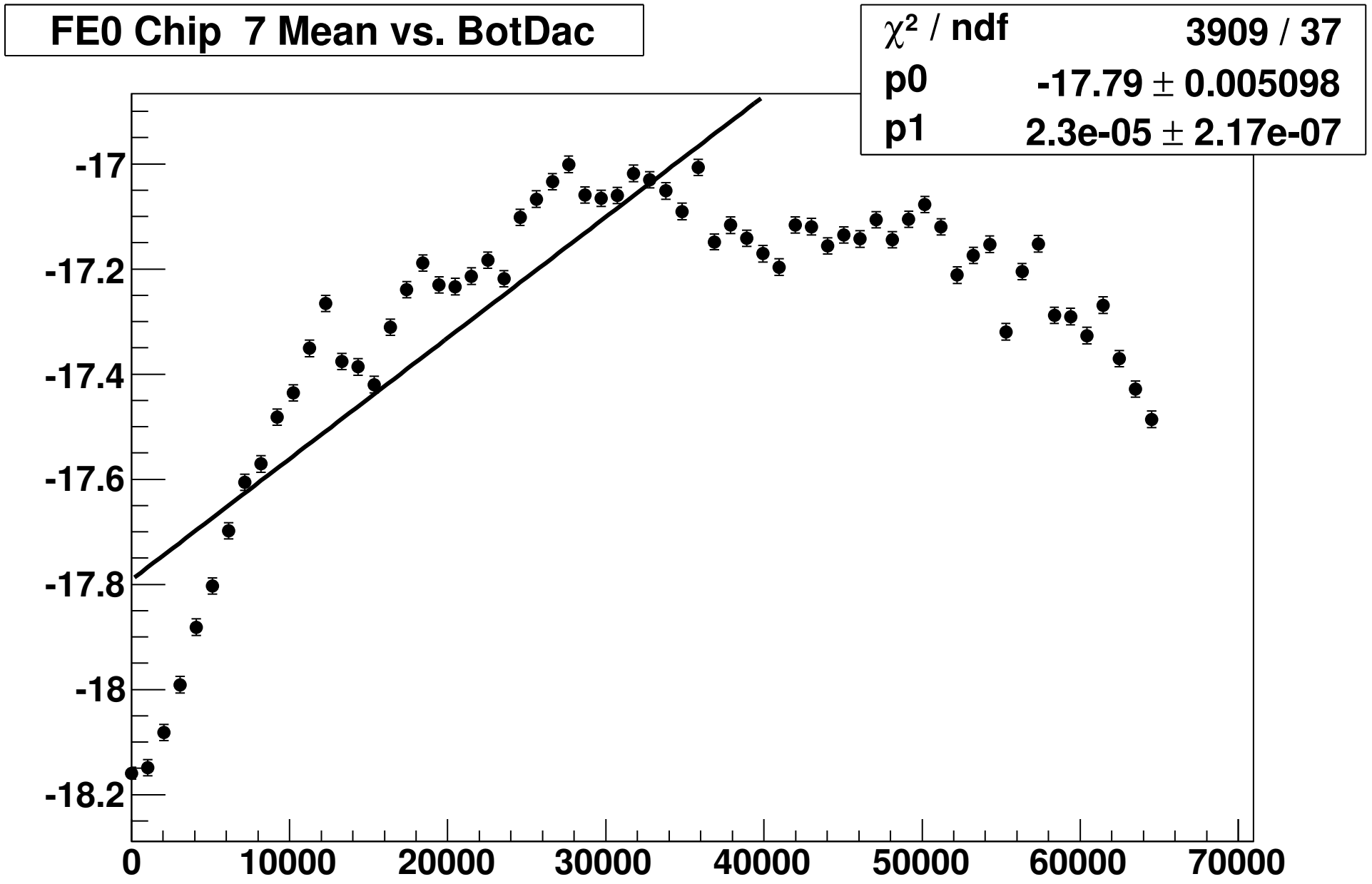

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 3819 / 37
p0 1.413 ± 0.001708
p1 -4.976e-16 ± 5.44e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

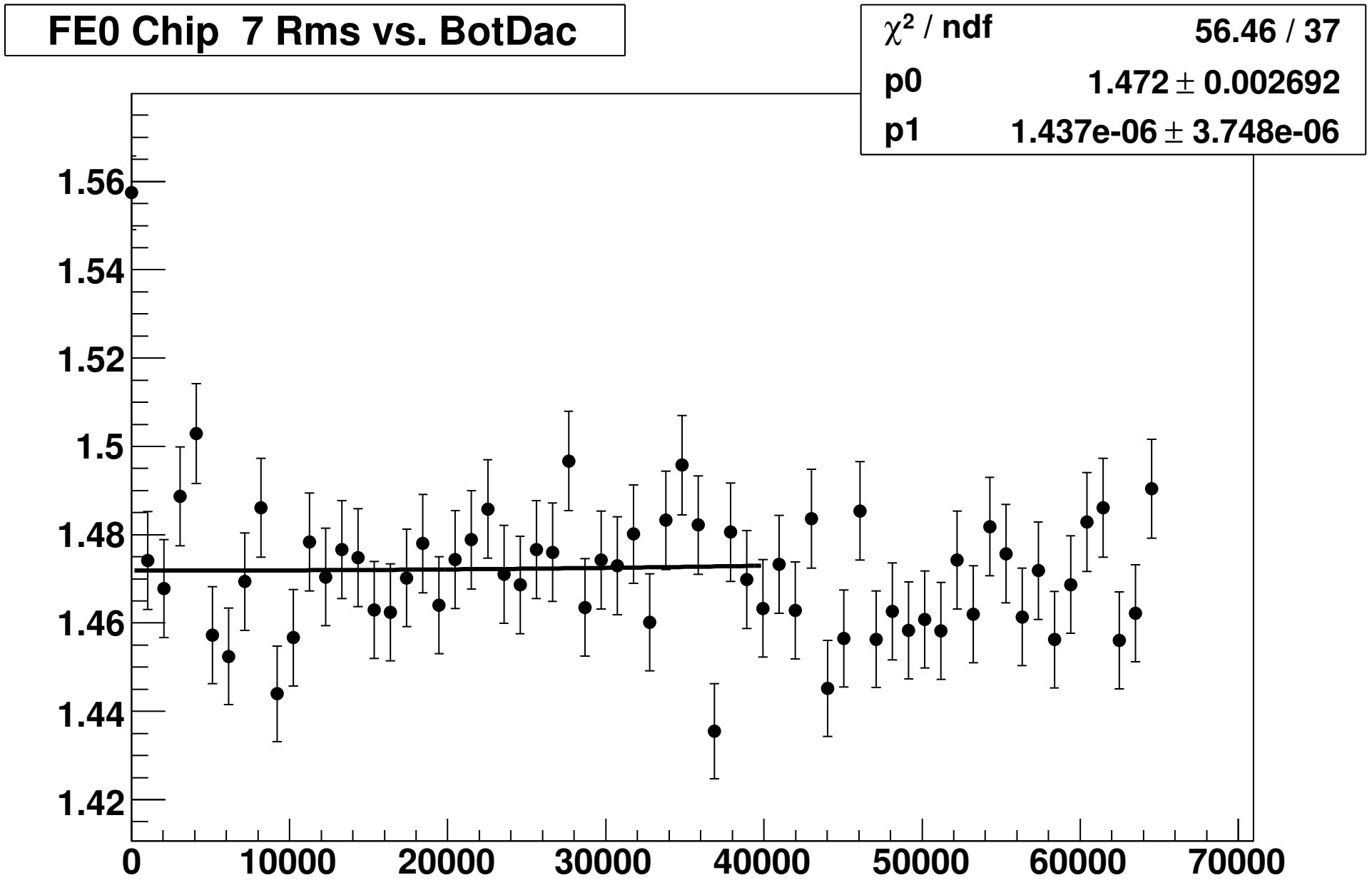

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 3787 / 37
p0 -21.49 ± 0.004917
p1 2.227e-05 ± 2.102e-07
-20.6
-20.8
-21
-21.2
-21.4
-21.6
-21.8
0
10000
20000
30000
40000
50000
60000
70000

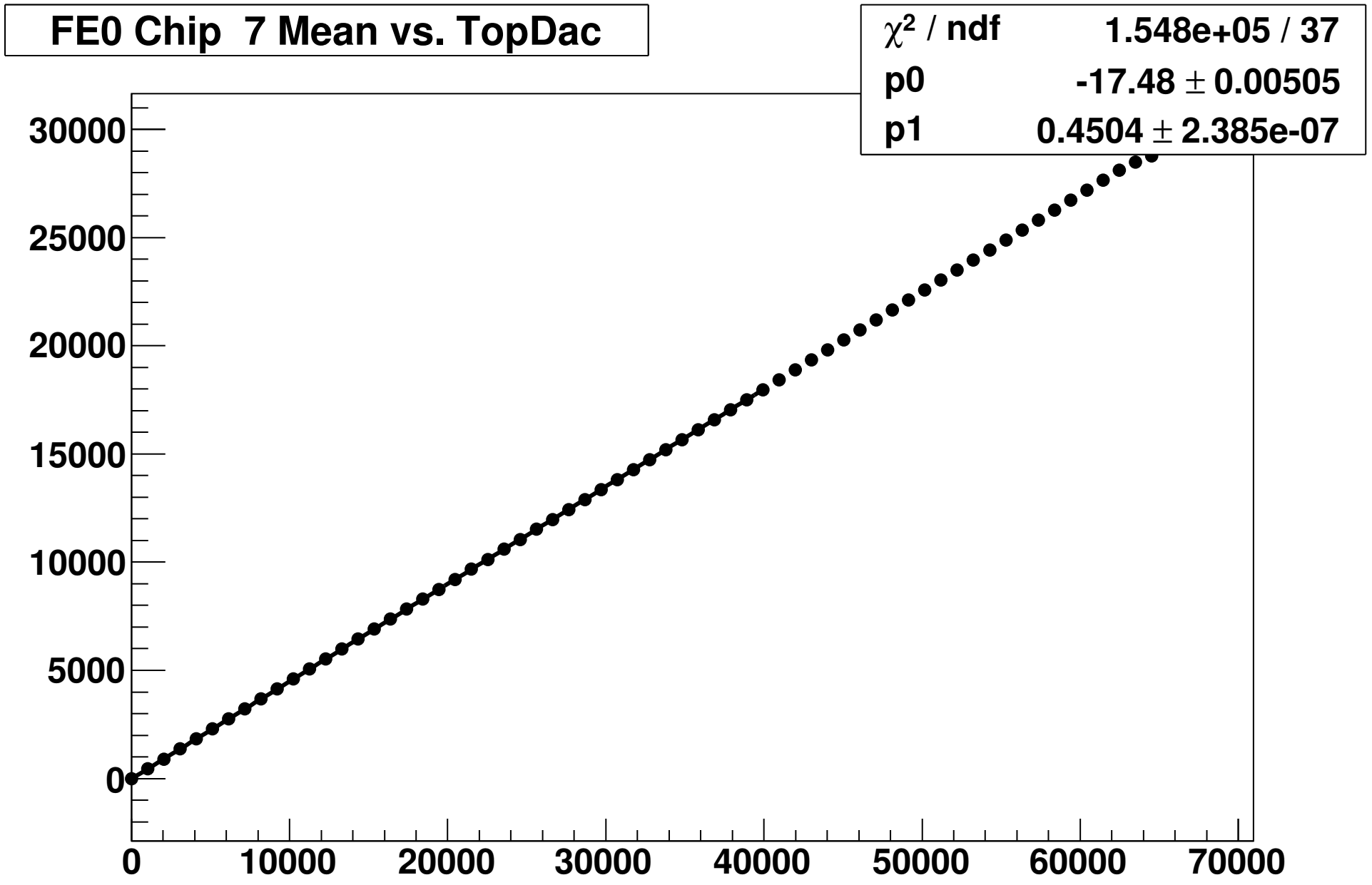

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 56.49 / 37
p0 1.42 ± 0.002593
p1 6.728e-06 ± 7.534e-07
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000
70000

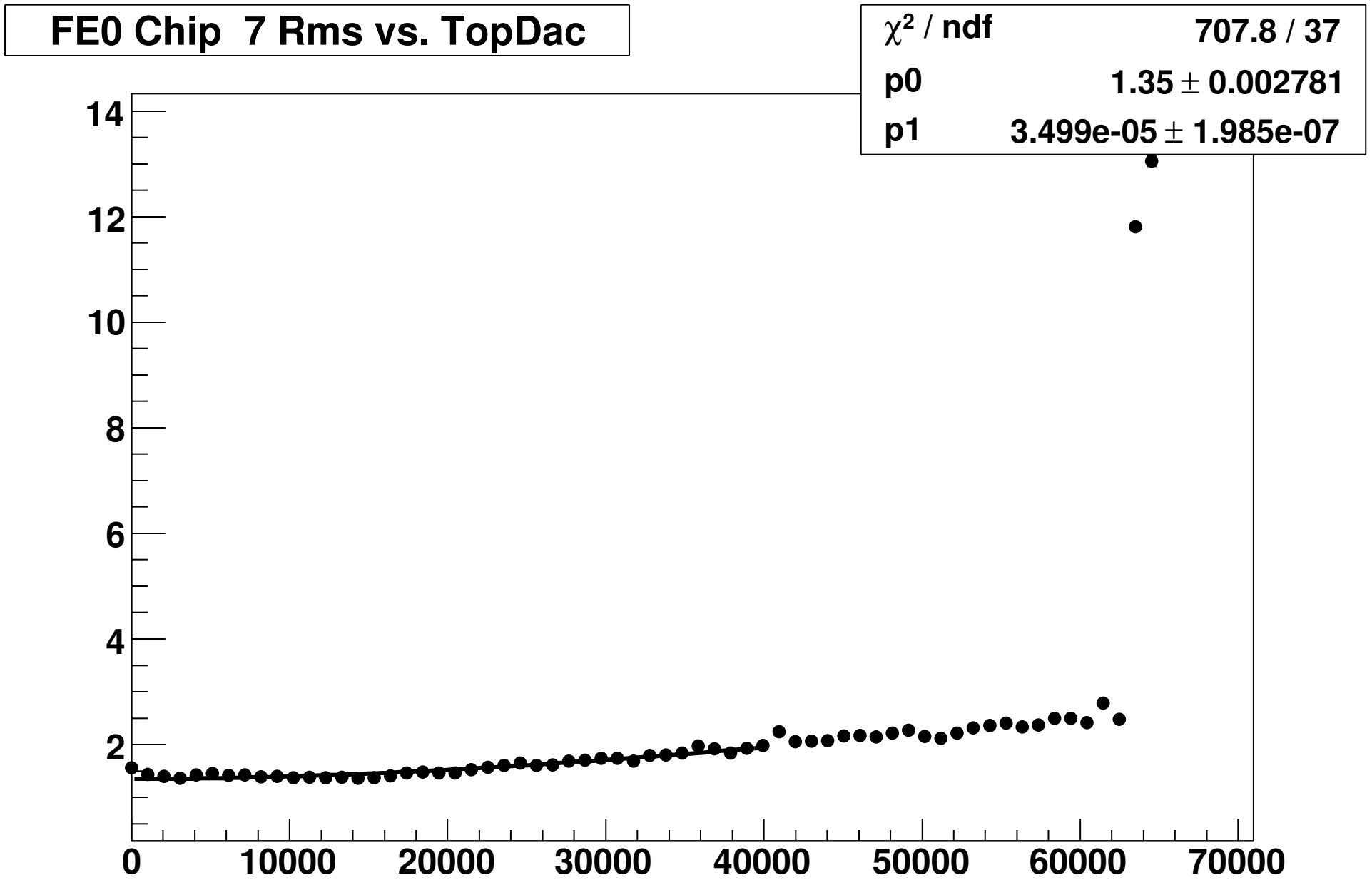

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.667e+05 / 37
p0 -20.96 ± 0.005039
p1 0.4505 ± 2.379e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

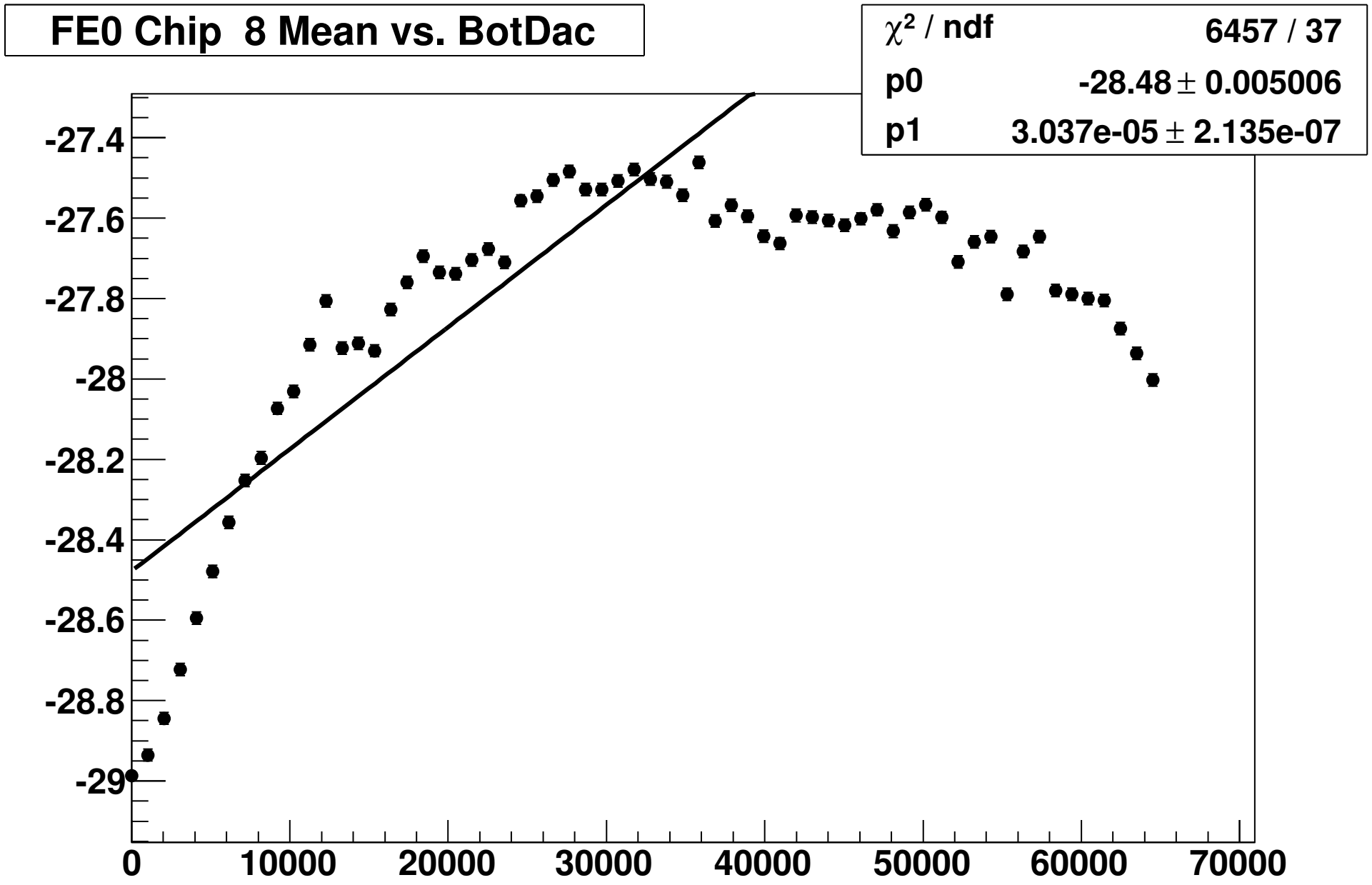

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 707.1 / 37
p0 1.344 ± 0.002771
p1 3.482e-05 ± 1.979e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

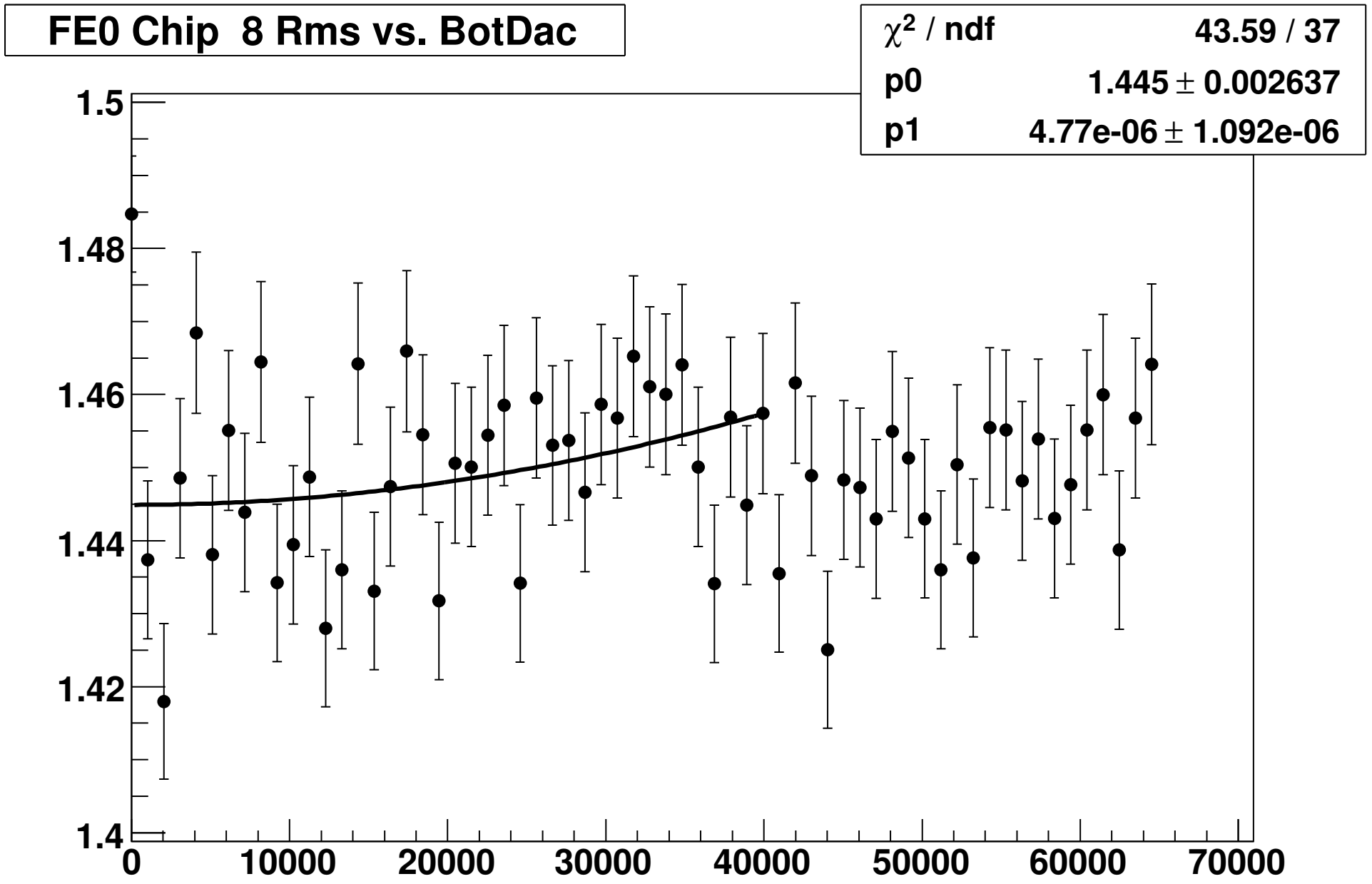

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 3909 / 37
p0 -17.79 ± 0.005098
p1 2.3e-05 ± 2.17e-07
-17
-17.2
-17.4
-17.6
-17.8
-18
-18.2
0
10000
20000
30000
40000
50000
60000
70000

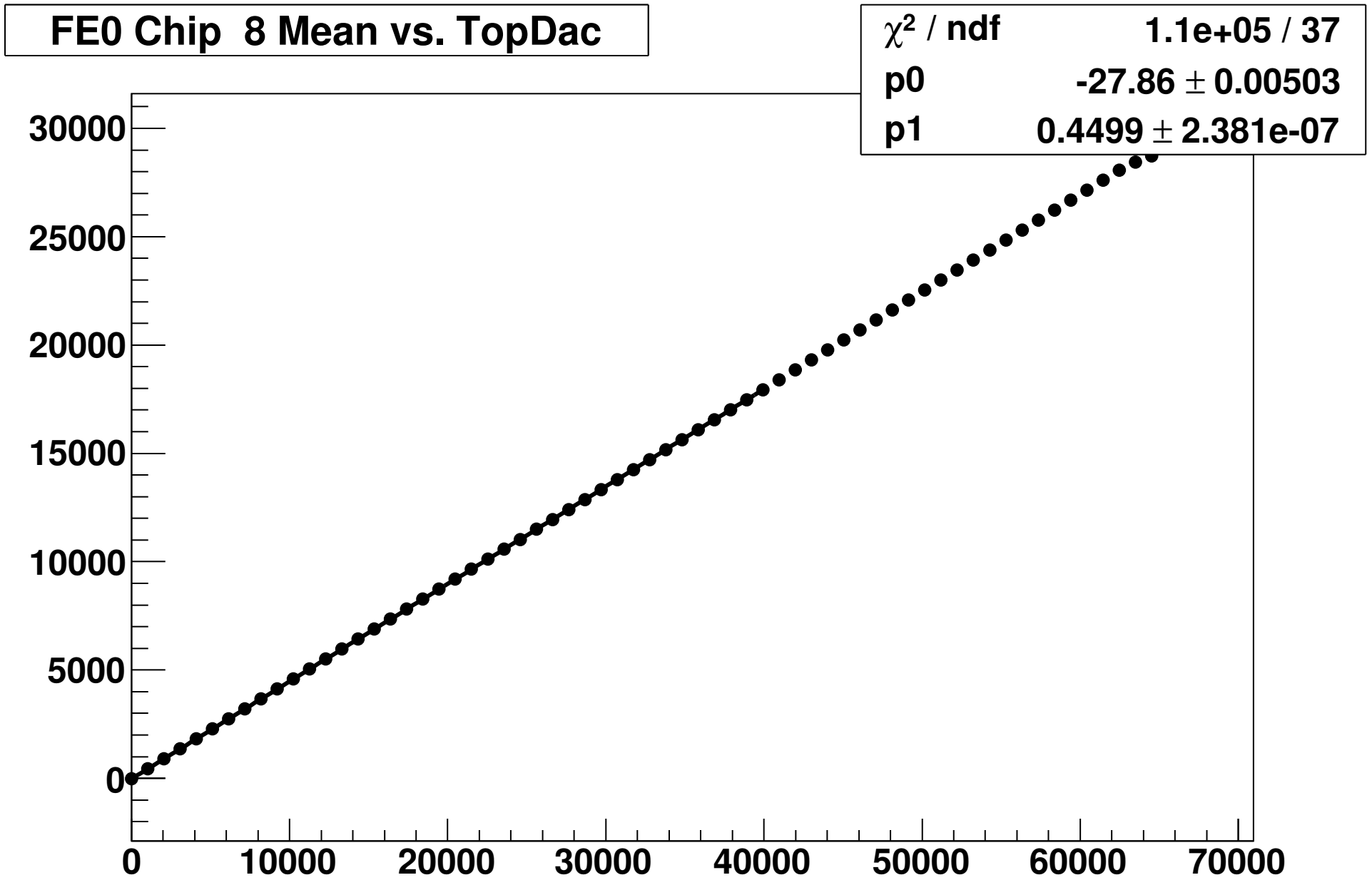

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 56.46 / 37
p0 1.472 ± 0.002692
p1 1.437e-06 ± 3.748e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

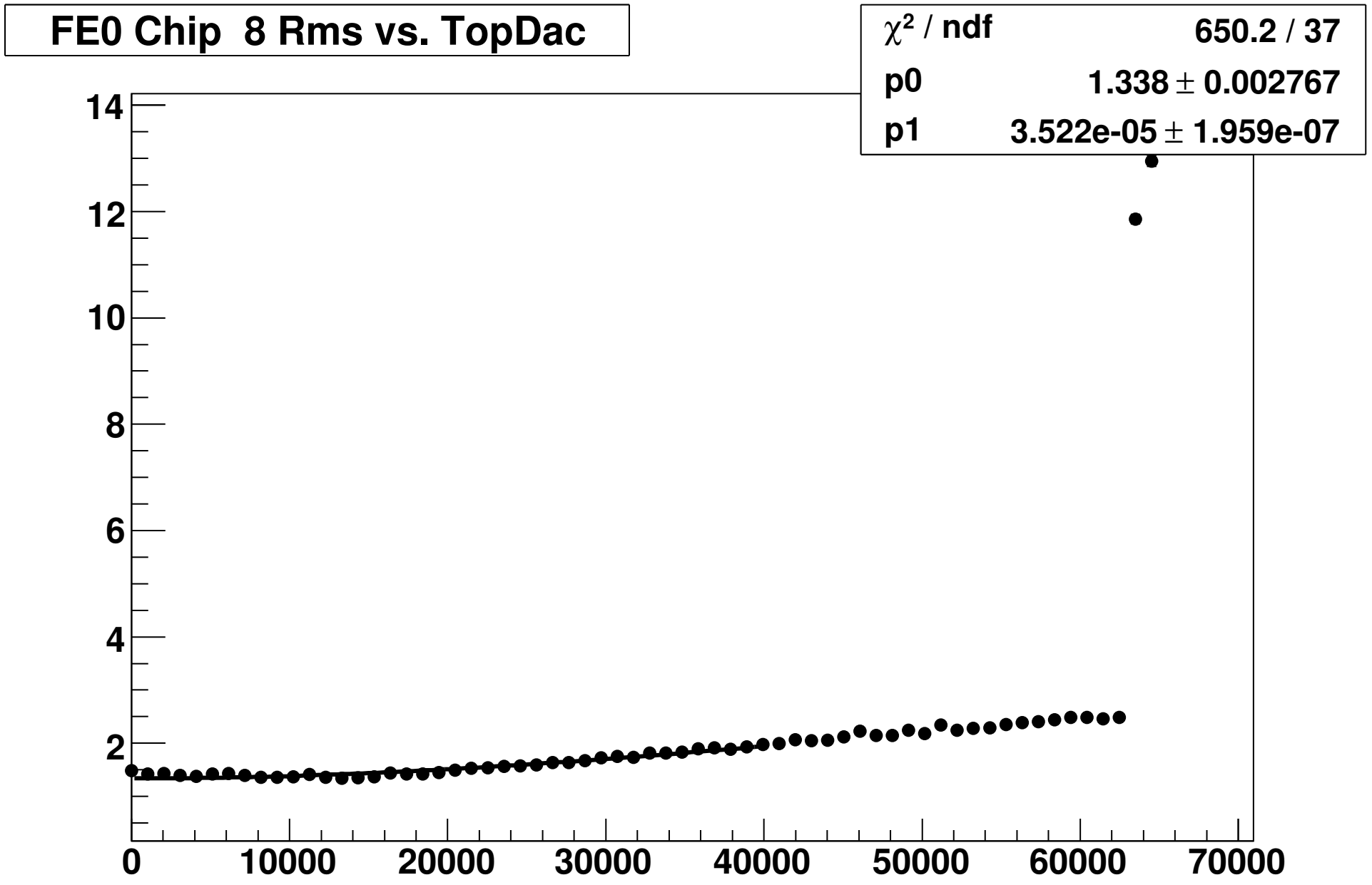

FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.548e+05 / 37
p0 -17.48 ± 0.00505
p1 0.4504 ± 2.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

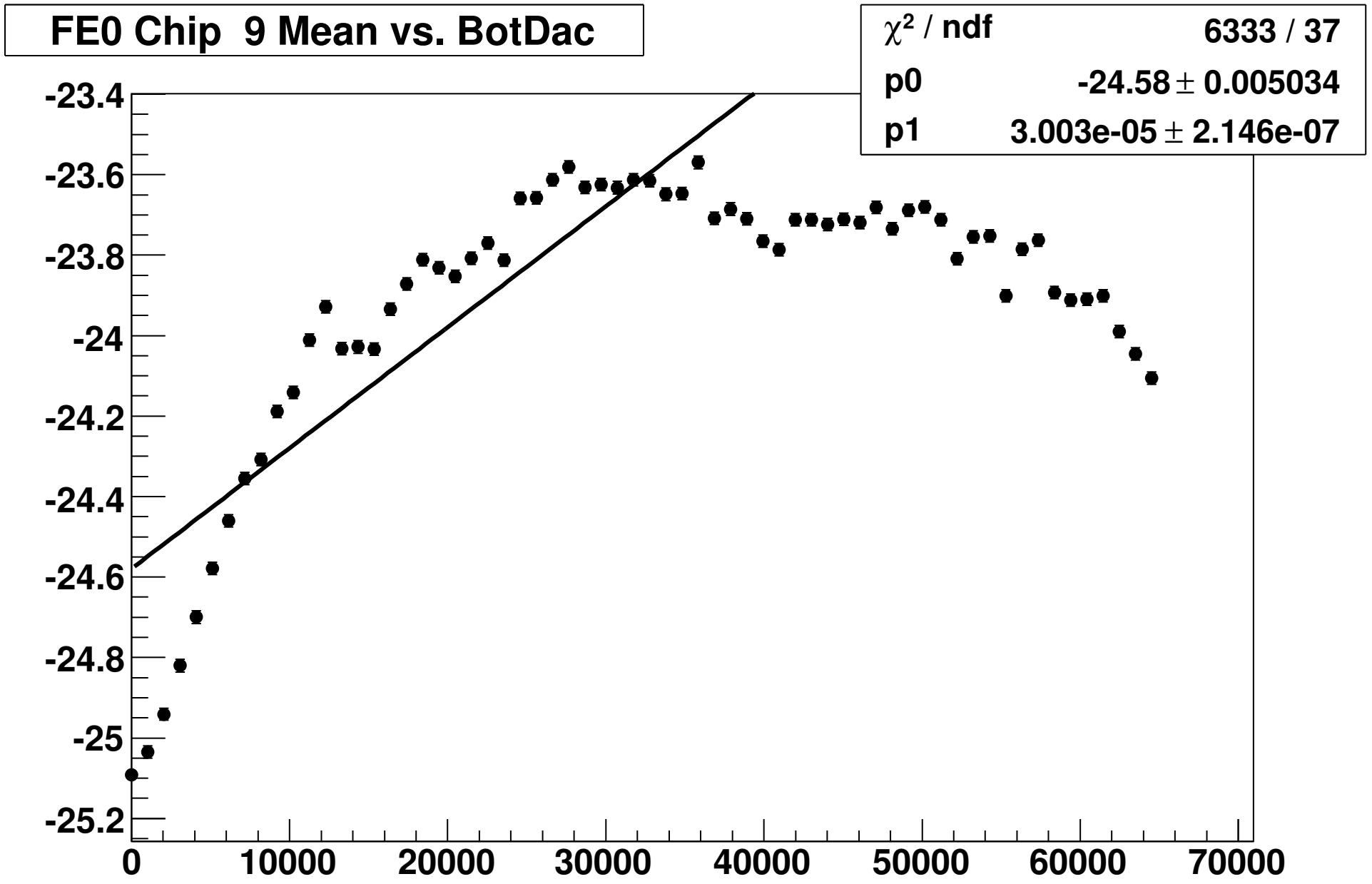

FE0 Chip 7 Rms vs. TopDac
χ² / ndf 707.8 / 37
p0 1.35 ± 0.002781
p1 3.499e-05 ± 1.985e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

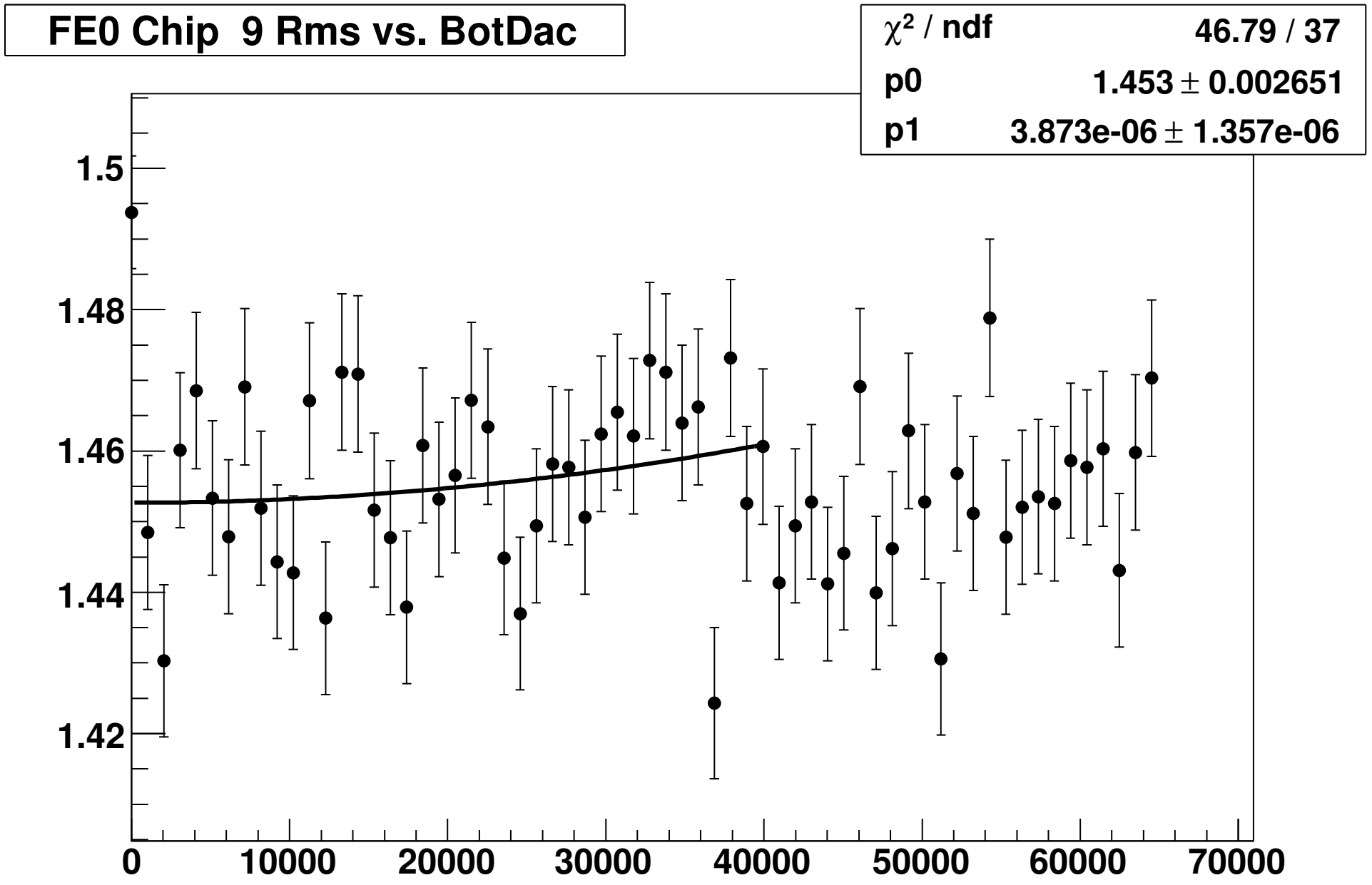

FE0 Chip 8 Mean vs. BotDac
χ² / ndf 6457 / 37
p0 -28.48 ± 0.005006
p1 3.037e-05 ± 2.135e-07
-27.4
-27.6
-27.8
-28
-28.2
-28.4
-28.6
-28.8
-29
0
10000
20000
30000
40000
50000
60000
70000

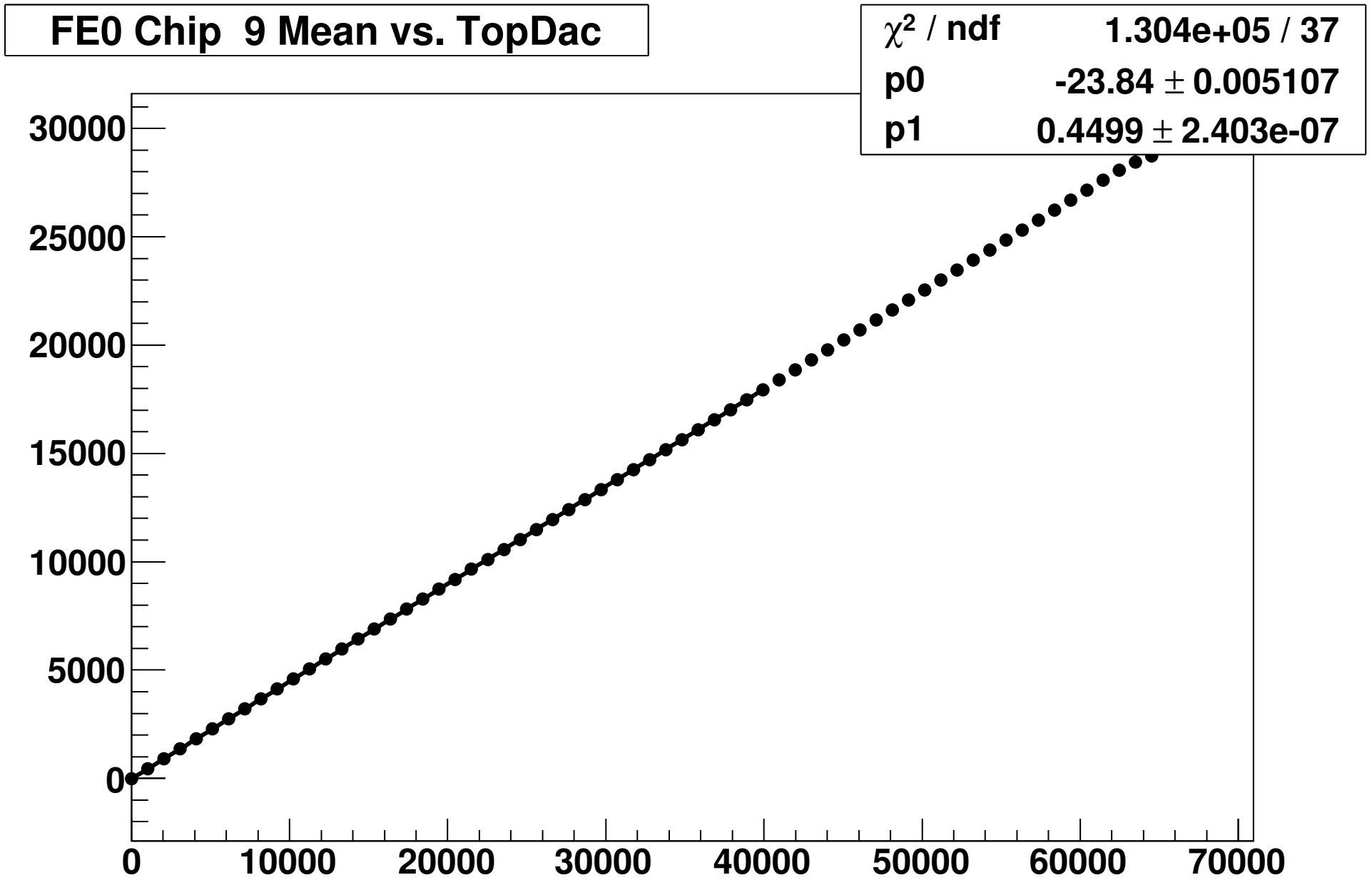

FE0 Chip 8 Rms vs. BotDac
χ² / ndf 43.59 / 37
p0 1.445 ± 0.002637
p1 4.77e-06 ± 1.092e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

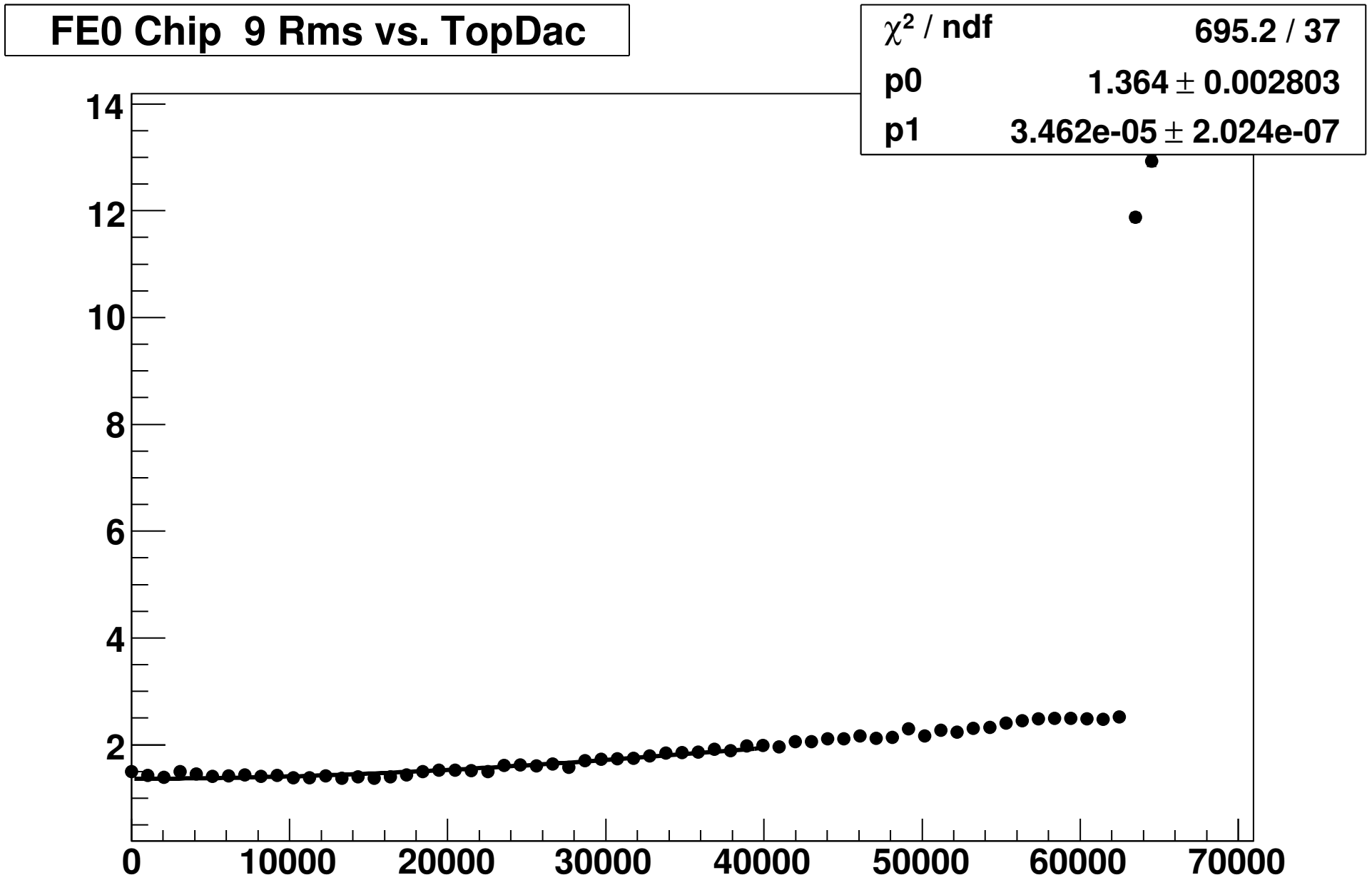

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.1e+05 / 37
p0 -27.86 ± 0.00503
p1 0.4499 ± 2.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

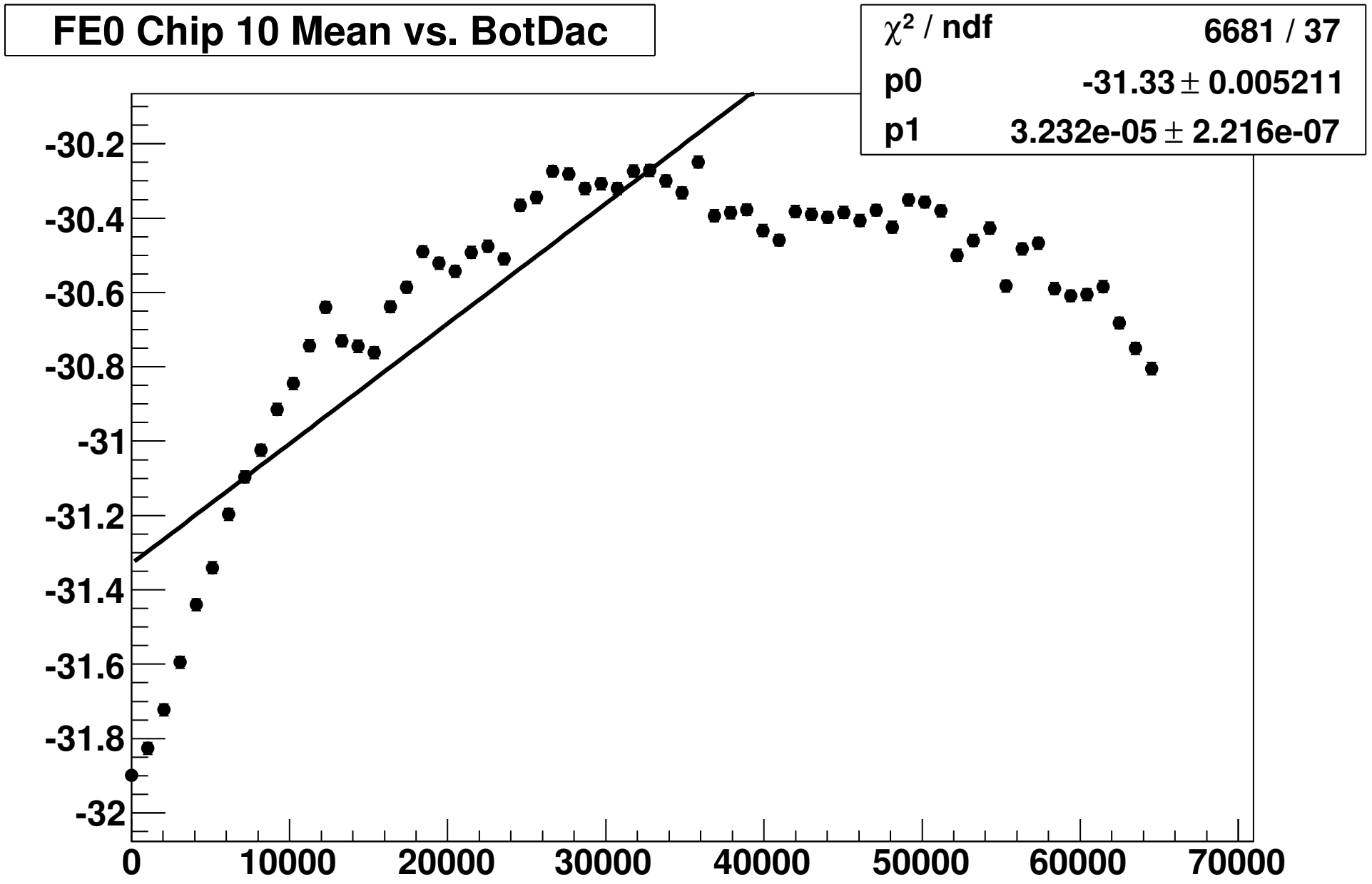

FE0 Chip 8 Rms vs. TopDac
χ² / ndf 650.2 / 37
p0 1.338 ± 0.002767
p1 3.522e-05 ± 1.959e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

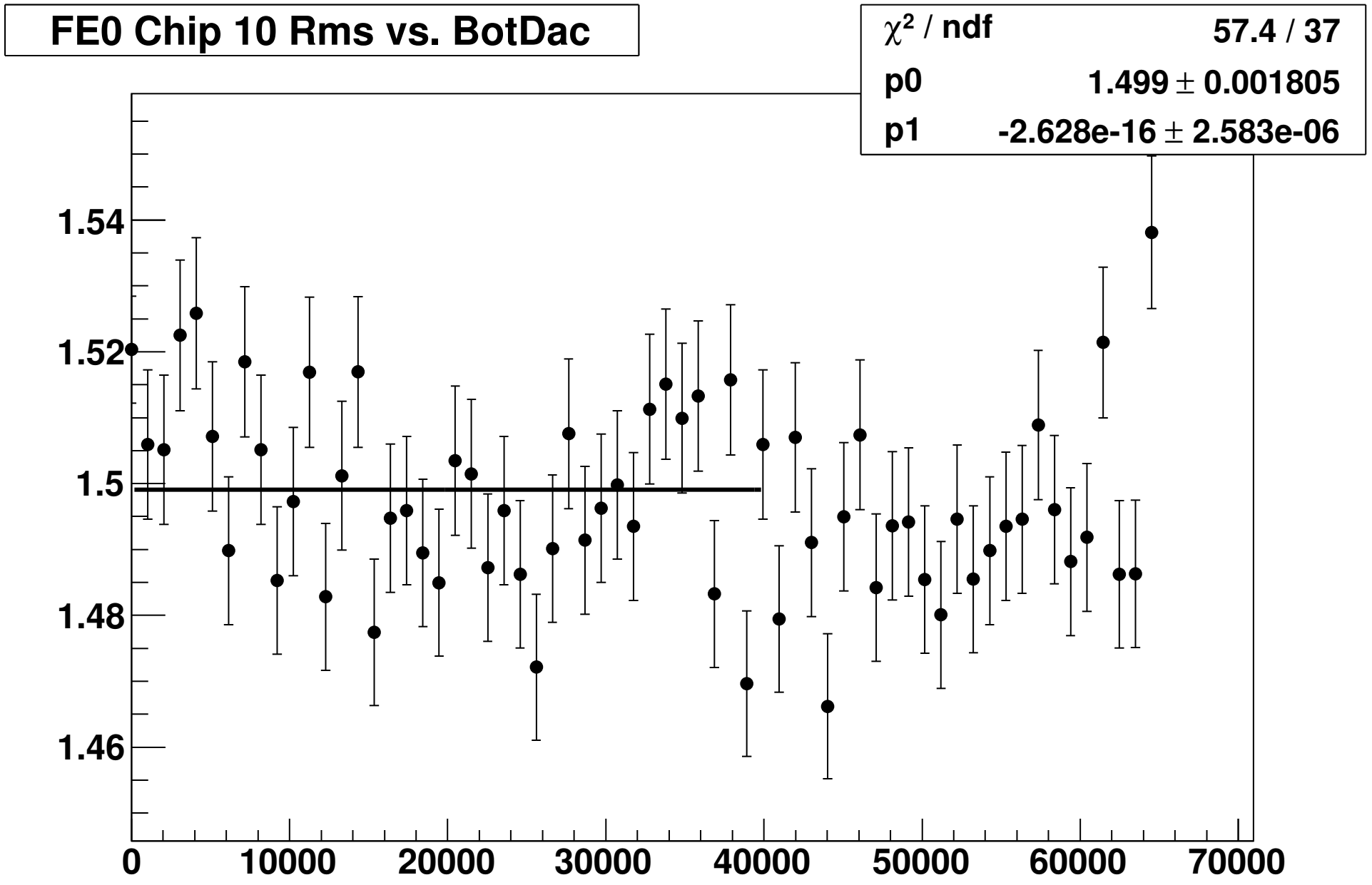

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 6333 / 37
p0 -24.58 ± 0.005034
p1 3.003e-05 ± 2.146e-07
-23.4
-23.6
-23.8
-24
-24.2
-24.4
-24.6
-24.8
-25
-25.2
0
10000
20000
30000
40000
50000
60000
70000

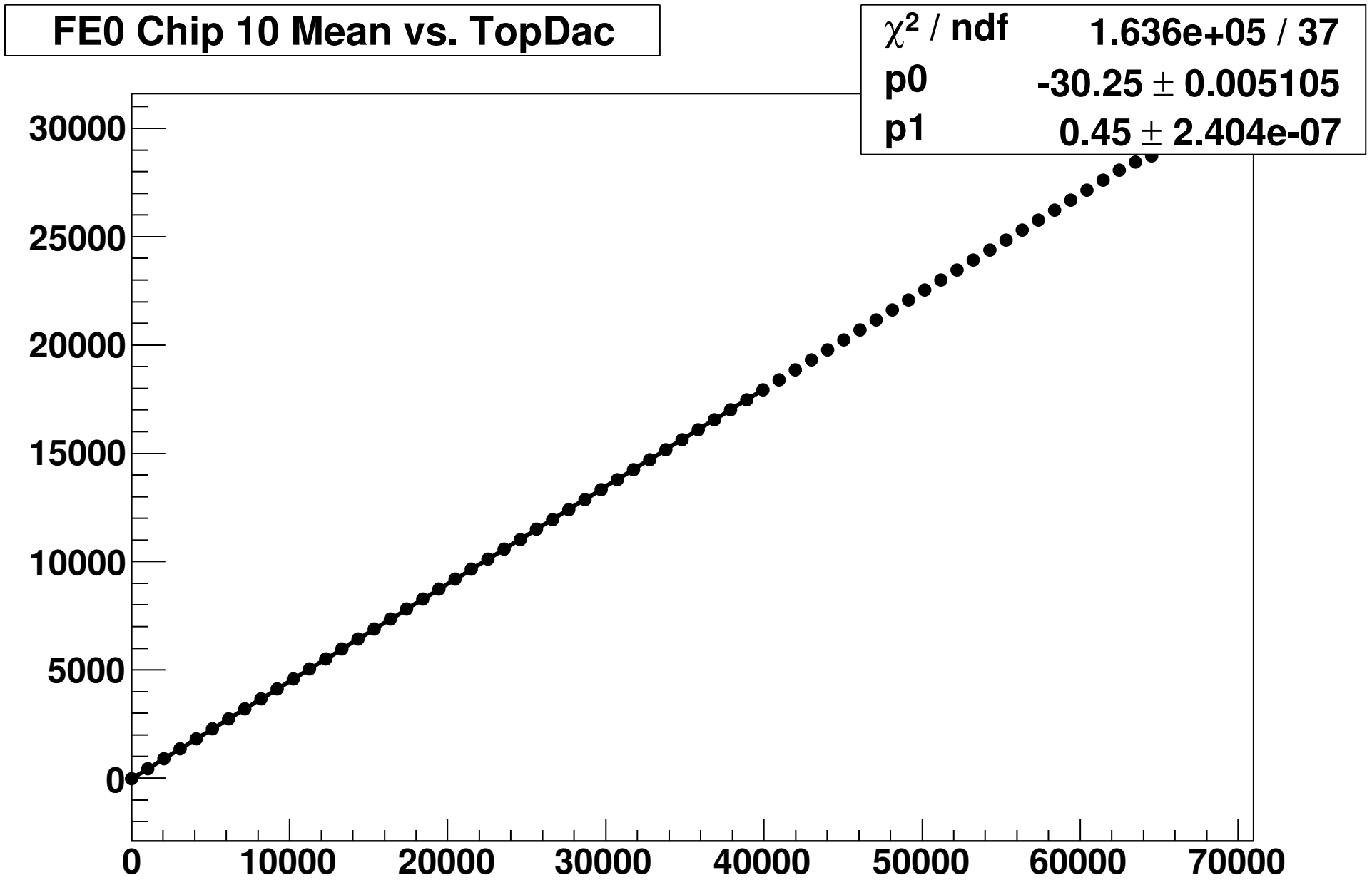

FE0 Chip 9 Rms vs. BotDac
χ² / ndf 46.79 / 37
p0 1.453 ± 0.002651
p1 3.873e-06 ± 1.357e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

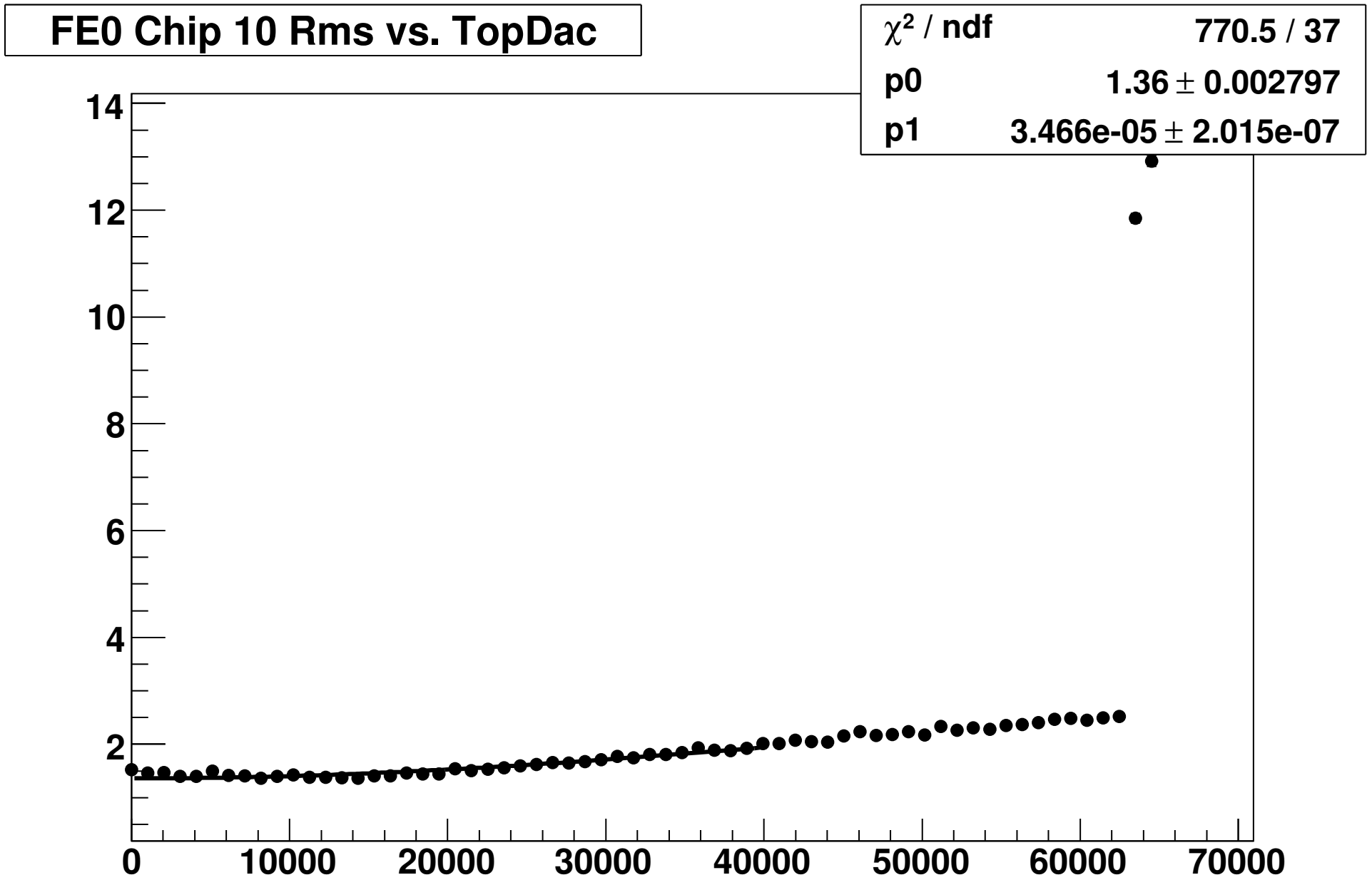

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.304e+05 / 37
p0 -23.84 ± 0.005107
p1 0.4499 ± 2.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

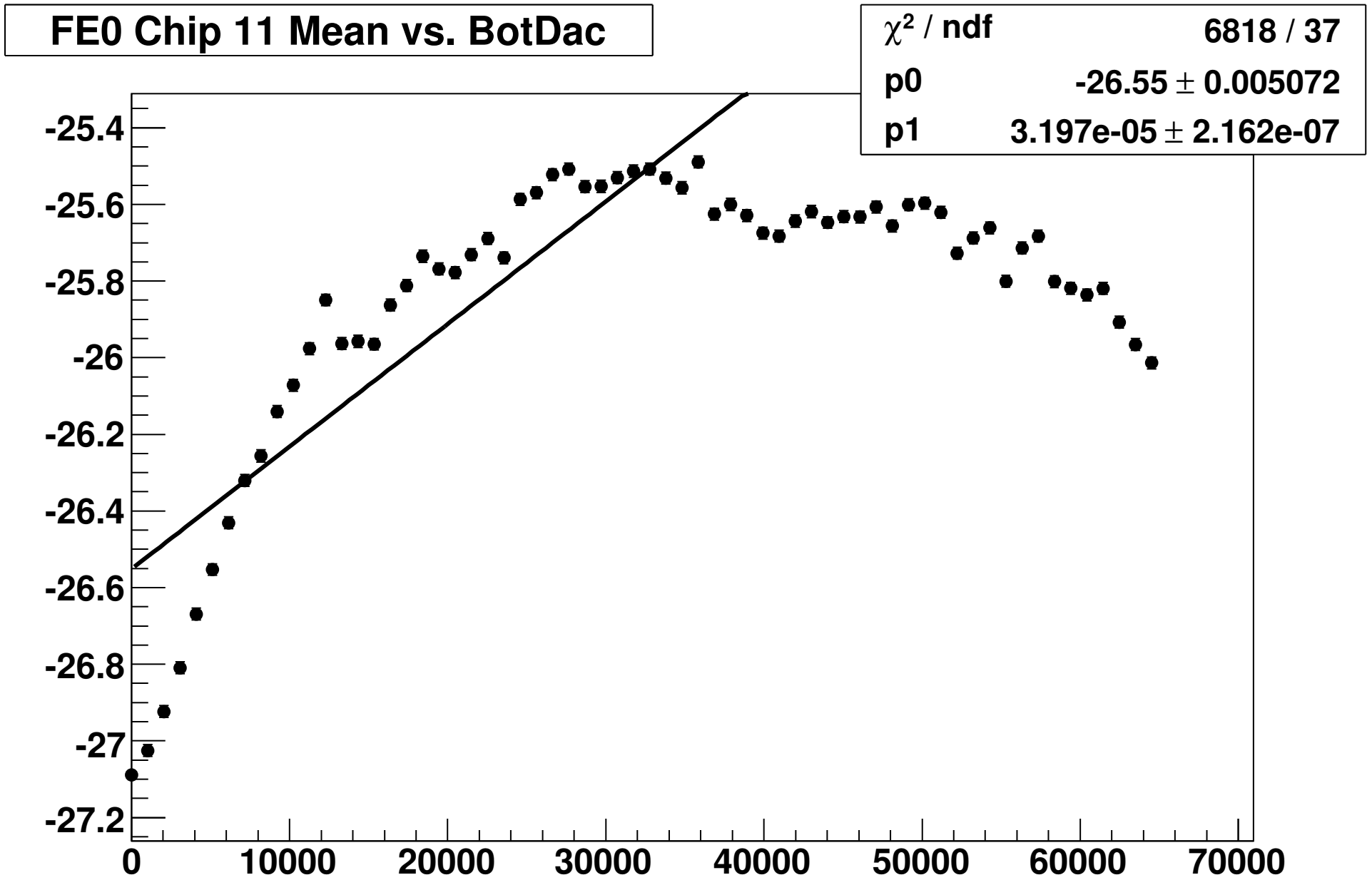

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 695.2 / 37
p0 1.364 ± 0.002803
p1 3.462e-05 ± 2.024e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

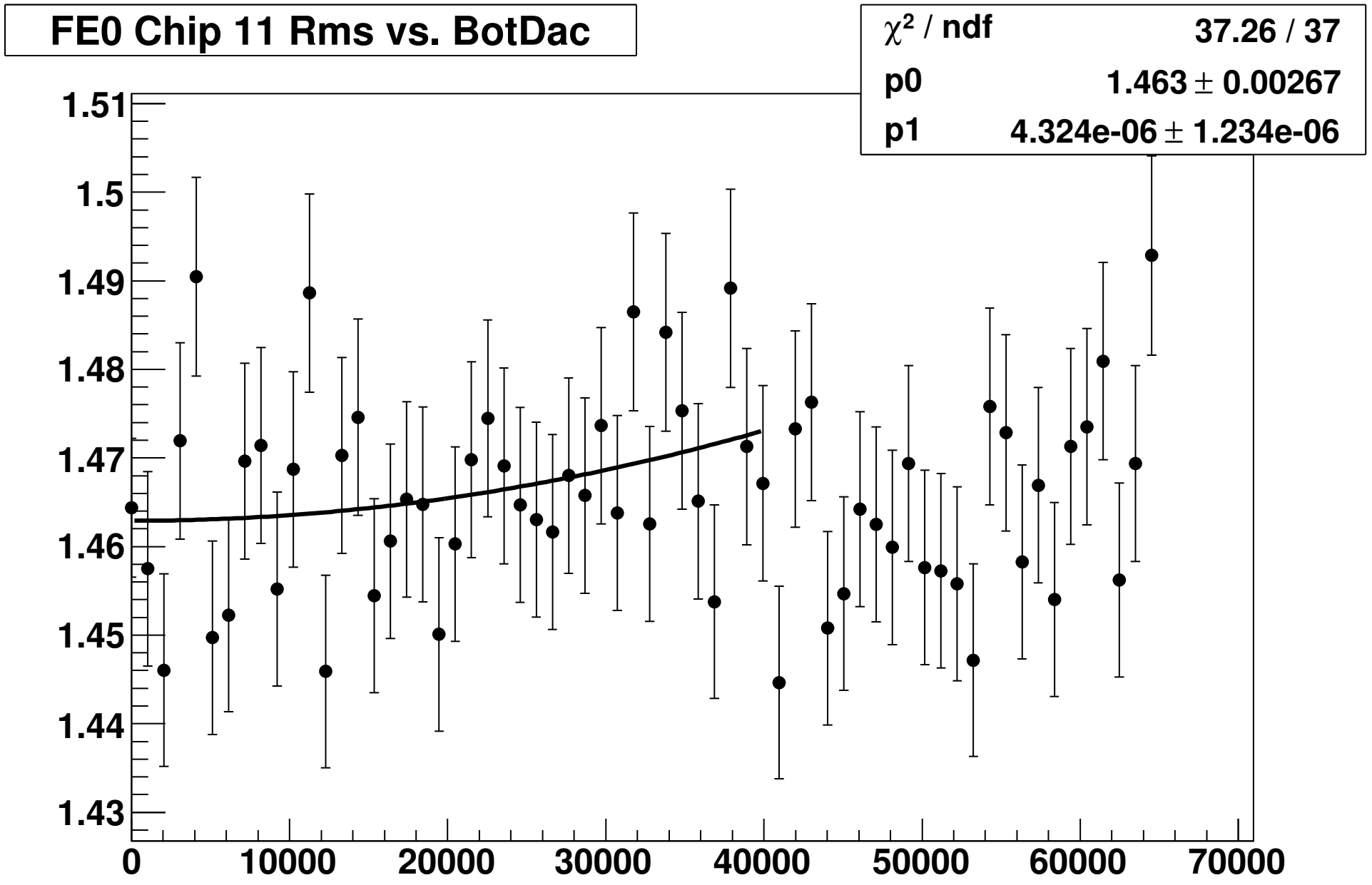

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 6681 / 37
p0 -31.33 ± 0.005211
p1 3.232e-05 ± 2.216e-07
-30.2
-30.4
-30.6
-30.8
-31
-31.2
-31.4
-31.6
-31.8
-32
0
10000
20000
30000
40000
50000
60000
70000

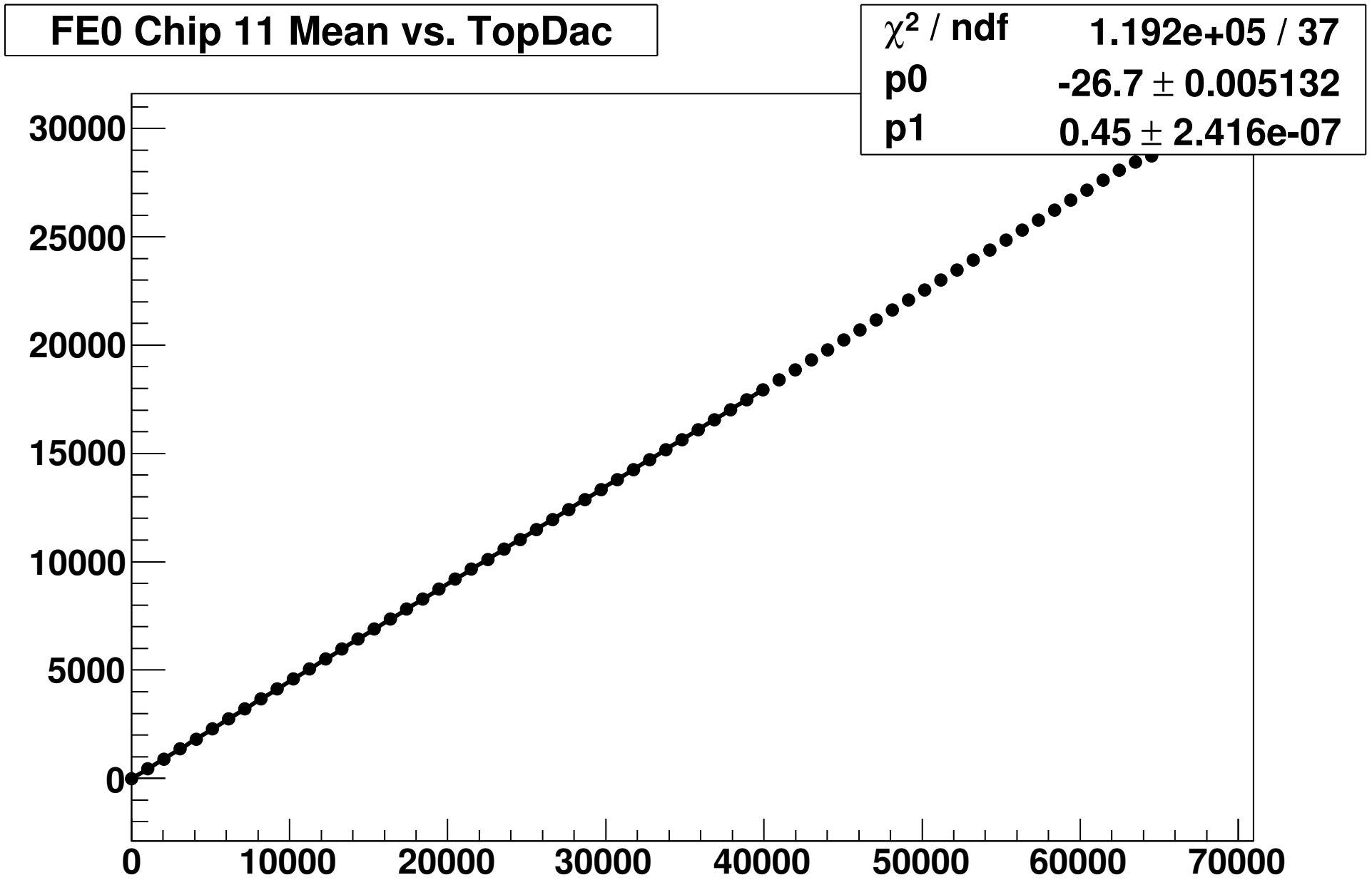

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 57.4 / 37
p0 1.499 ± 0.001805
p1 -2.628e-16 ± 2.583e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

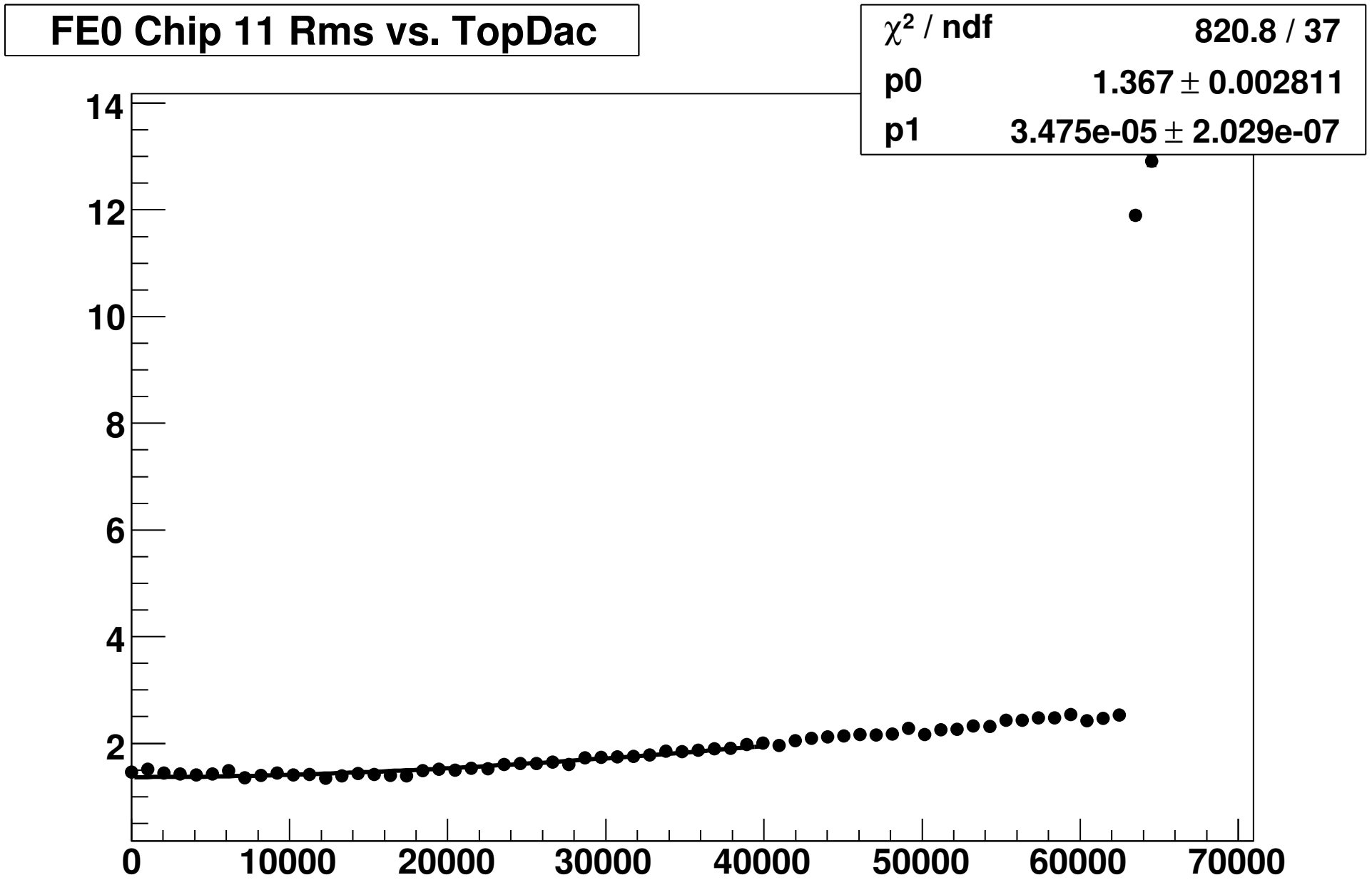

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.636e+05 / 37
p0 -30.25 ± 0.005105
p1 0.45 ± 2.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

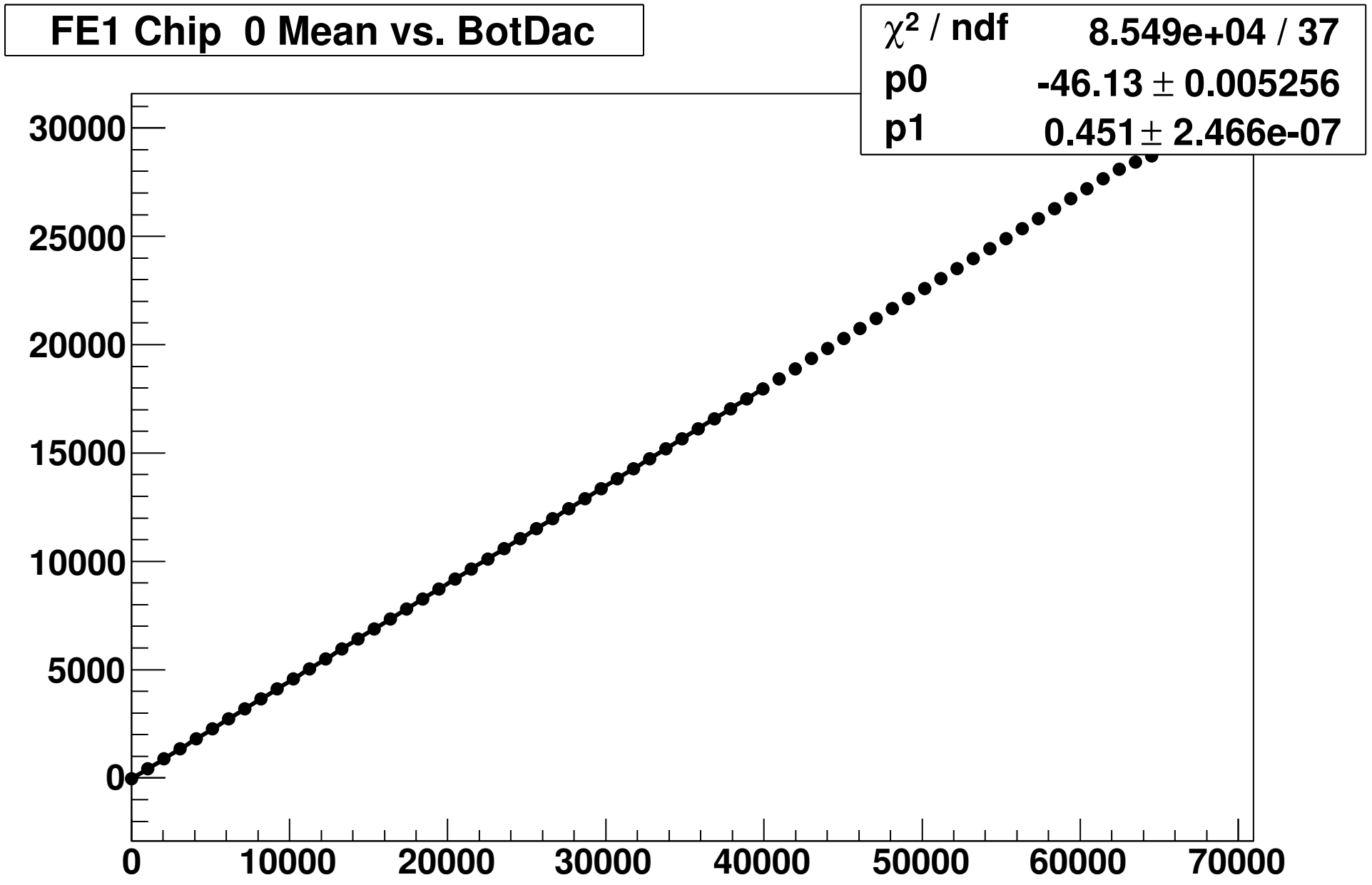

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 770.5 / 37
p0 1.36 ± 0.002797
p1 3.466e-05 ± 2.015e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

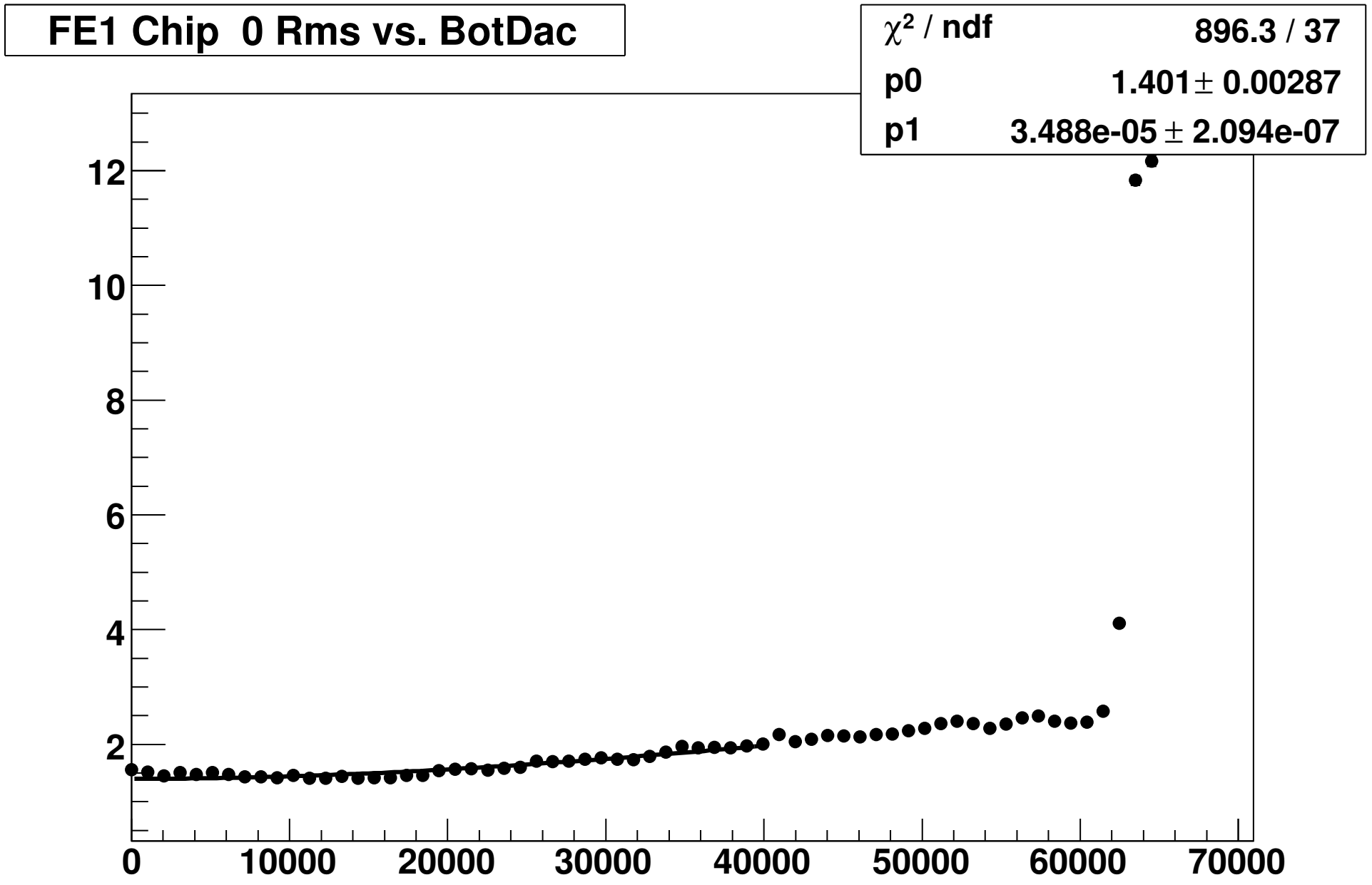

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 6818 / 37
p0 -26.55 ± 0.005072
p1 3.197e-05 ± 2.162e-07
-25.4
-25.6
-25.8
-26
-26.2
-26.4
-26.6
-26.8
-27
-27.2
0
10000
20000
30000
40000
50000
60000
70000

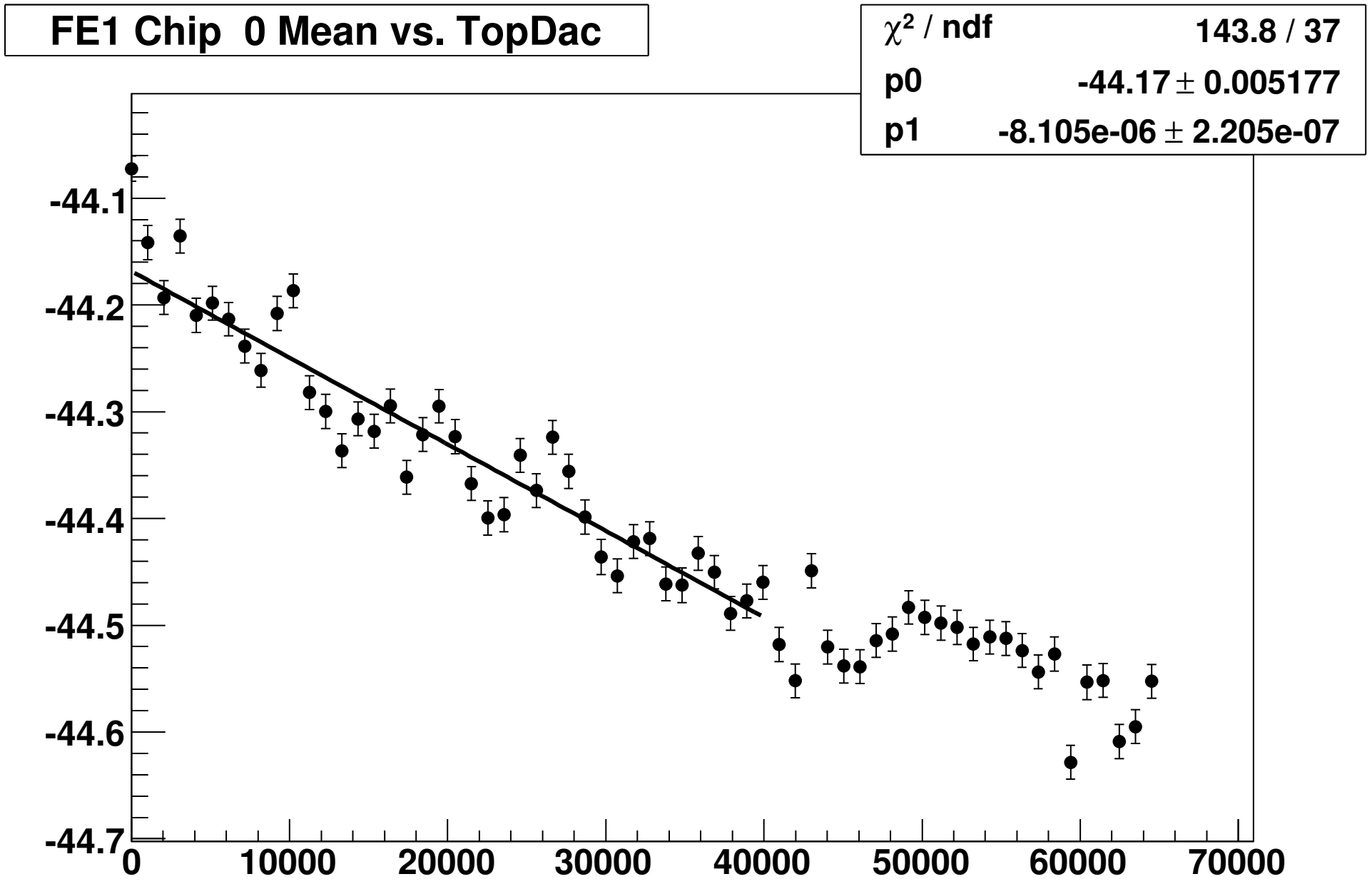

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 37.26 / 37
p0 1.463 ± 0.00267
p1 4.324e-06 ± 1.234e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

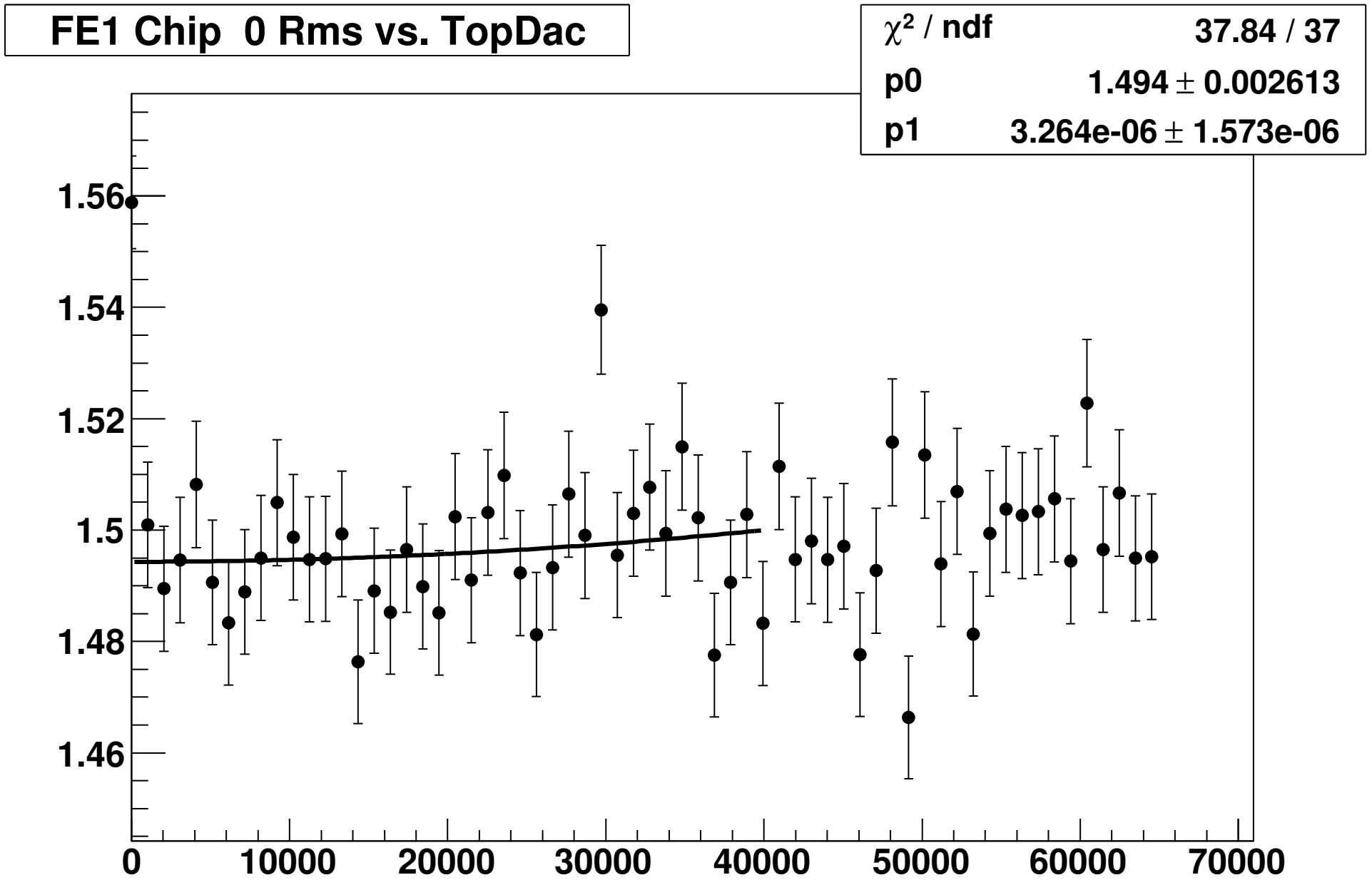

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.192e+05 / 37
p0 -26.7 ± 0.005132
p1 0.45 ± 2.416e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

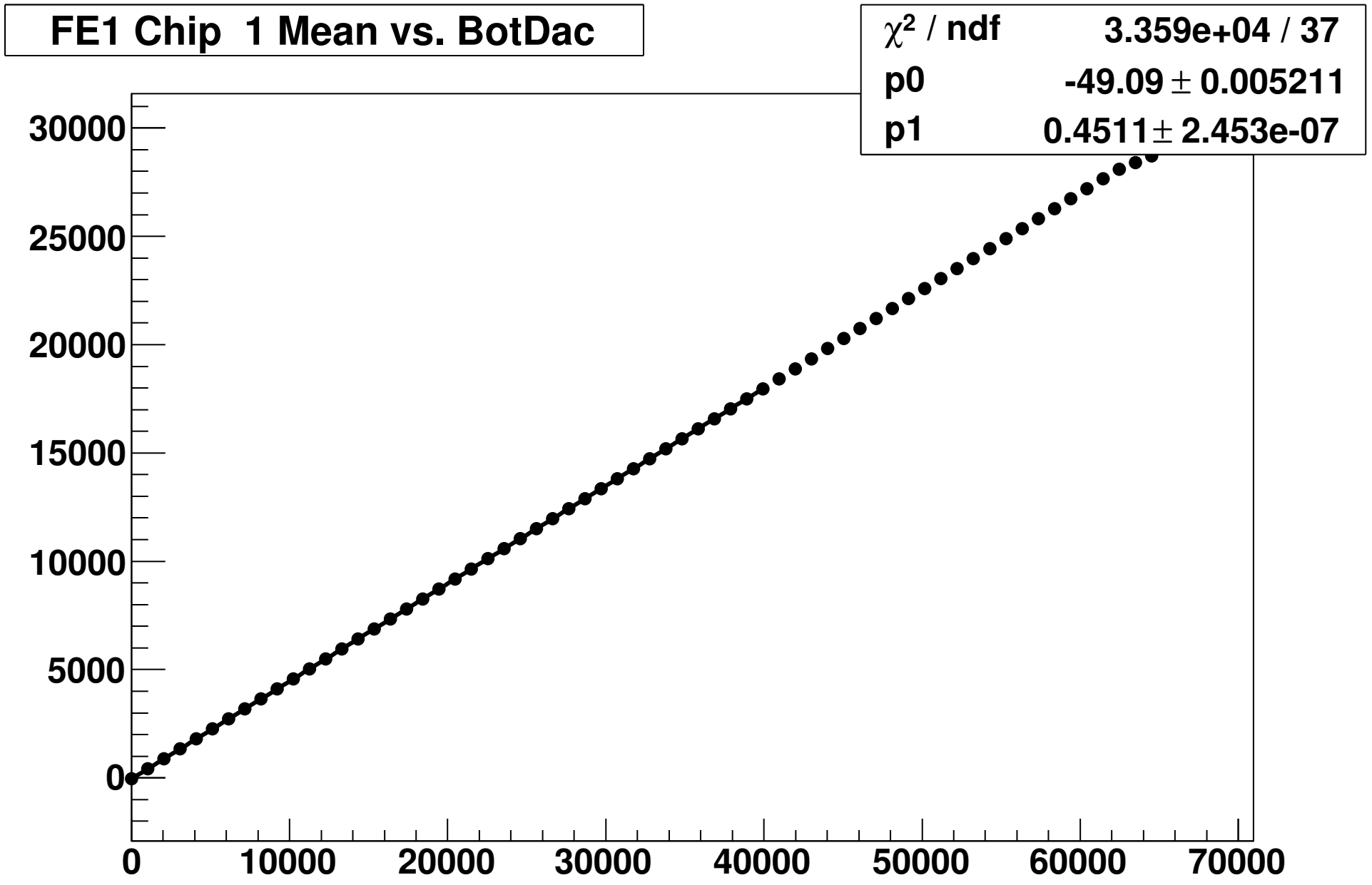

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 820.8 / 37
p0 1.367 ± 0.002811
p1 3.475e-05 ± 2.029e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

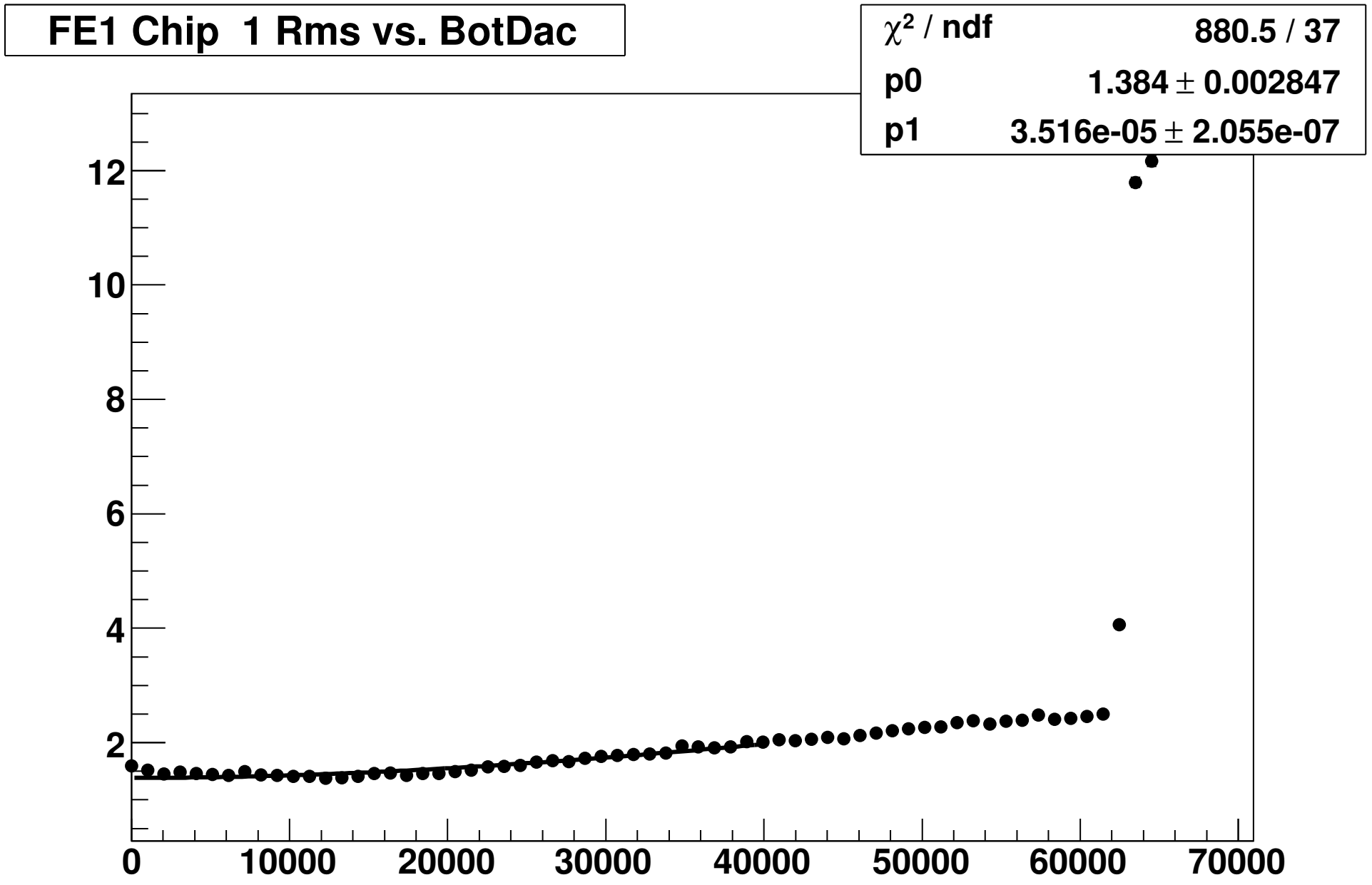

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 8.549e+04 / 37
p0 -46.13 ± 0.005256
p1 0.451 ± 2.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

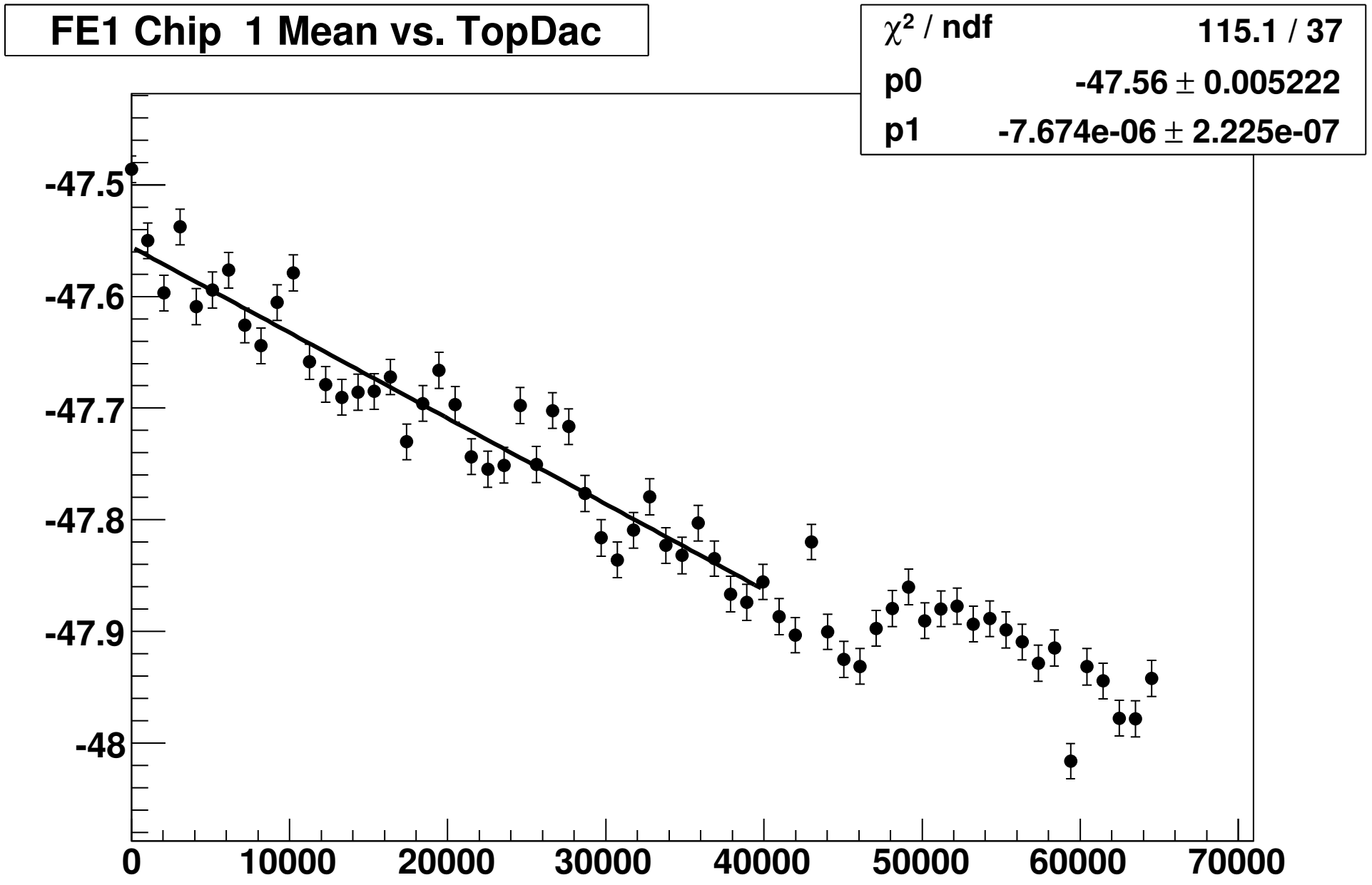

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 896.3 / 37
p0 1.401 ± 0.00287
p1 3.488e-05 ± 2.094e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

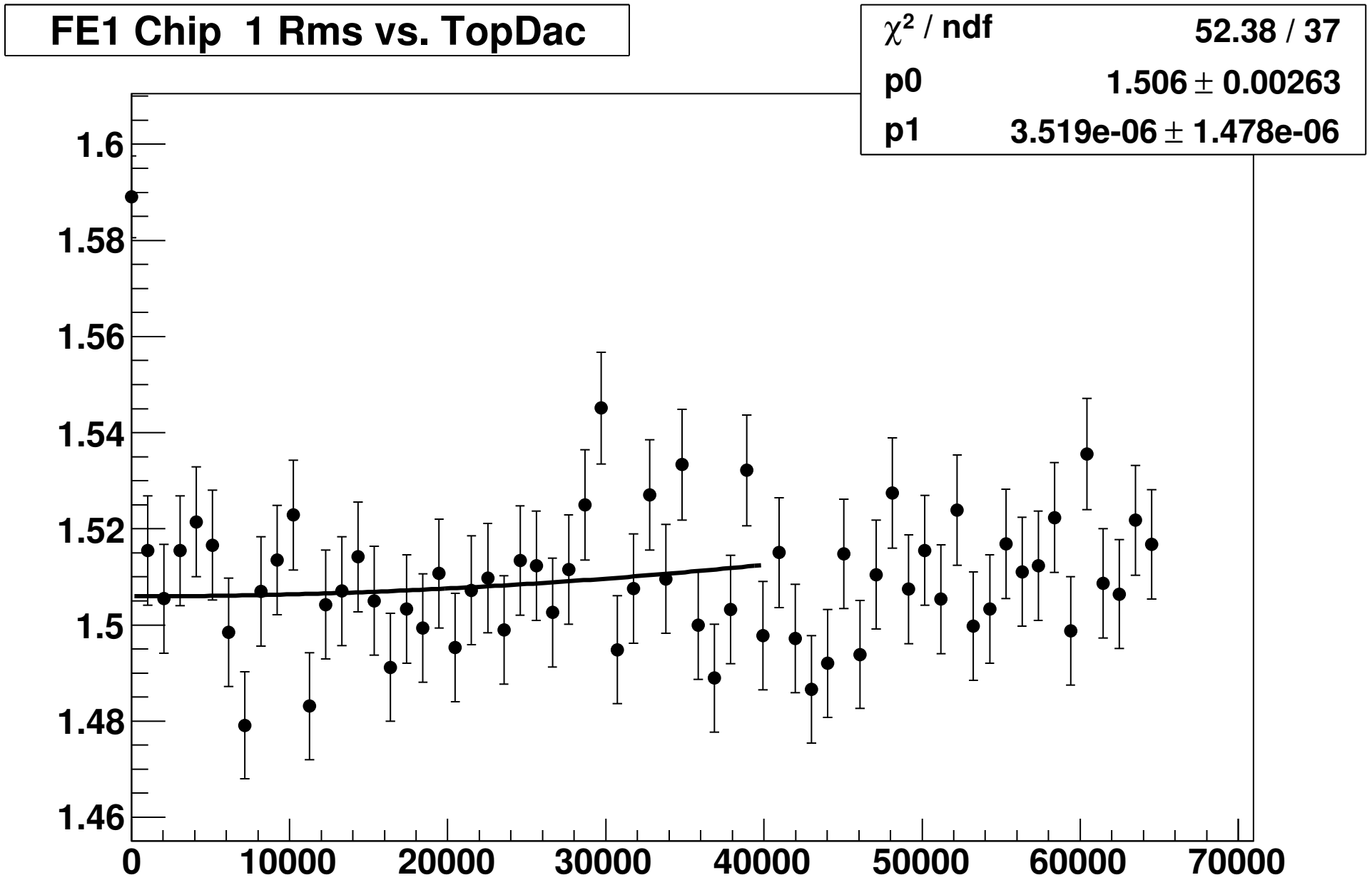

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 143.8 / 37
p0 -44.17 ± 0.005177
p1 -8.105e-06 ± 2.205e-07
-44.1
-44.2
-44.3
-44.4
-44.5
-44.6
-44.7
0
10000
20000
30000
40000
50000
60000
70000

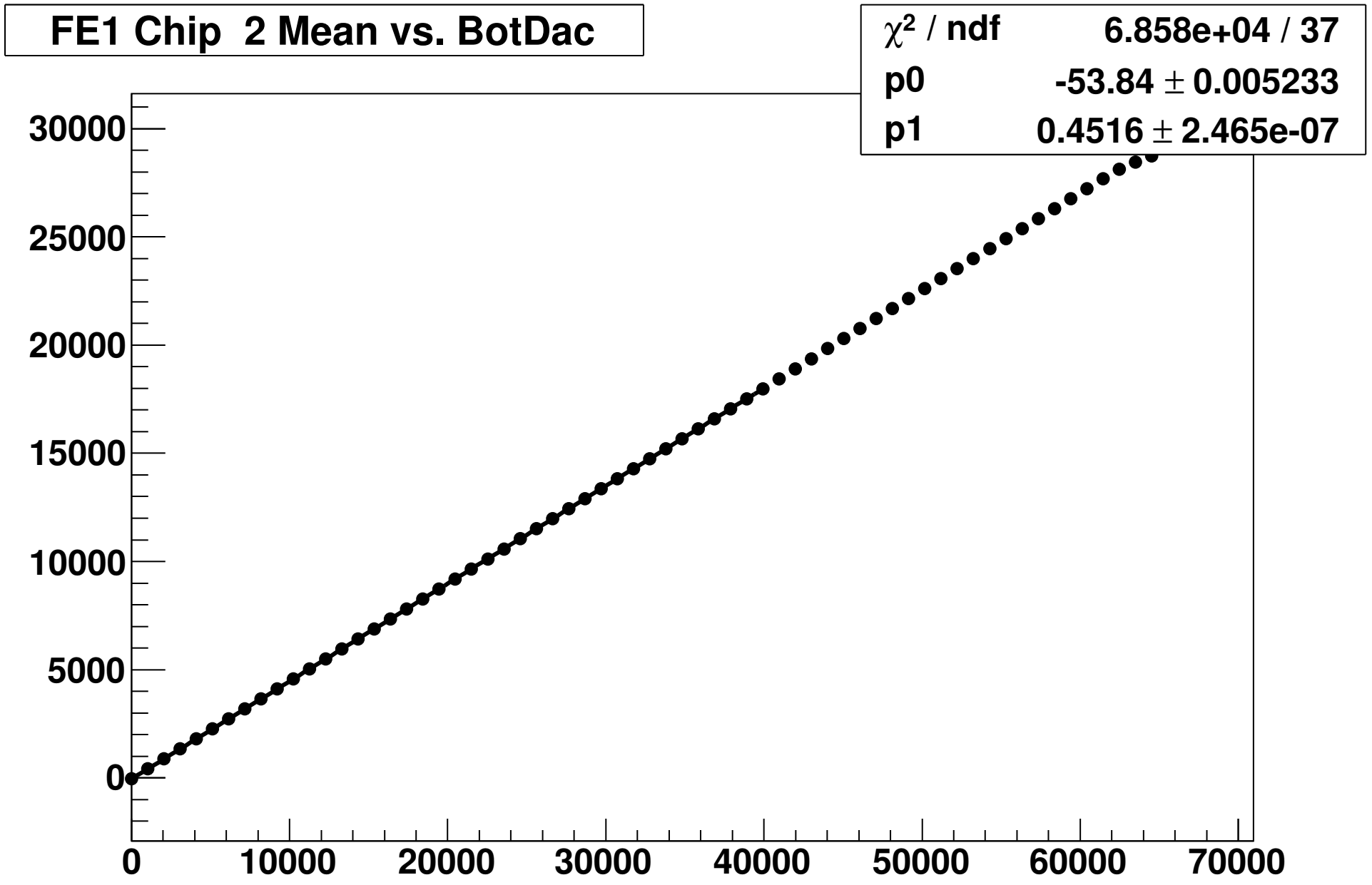

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 37.84 / 37
p0 1.494 ± 0.002613
p1 3.264e-06 ± 1.573e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

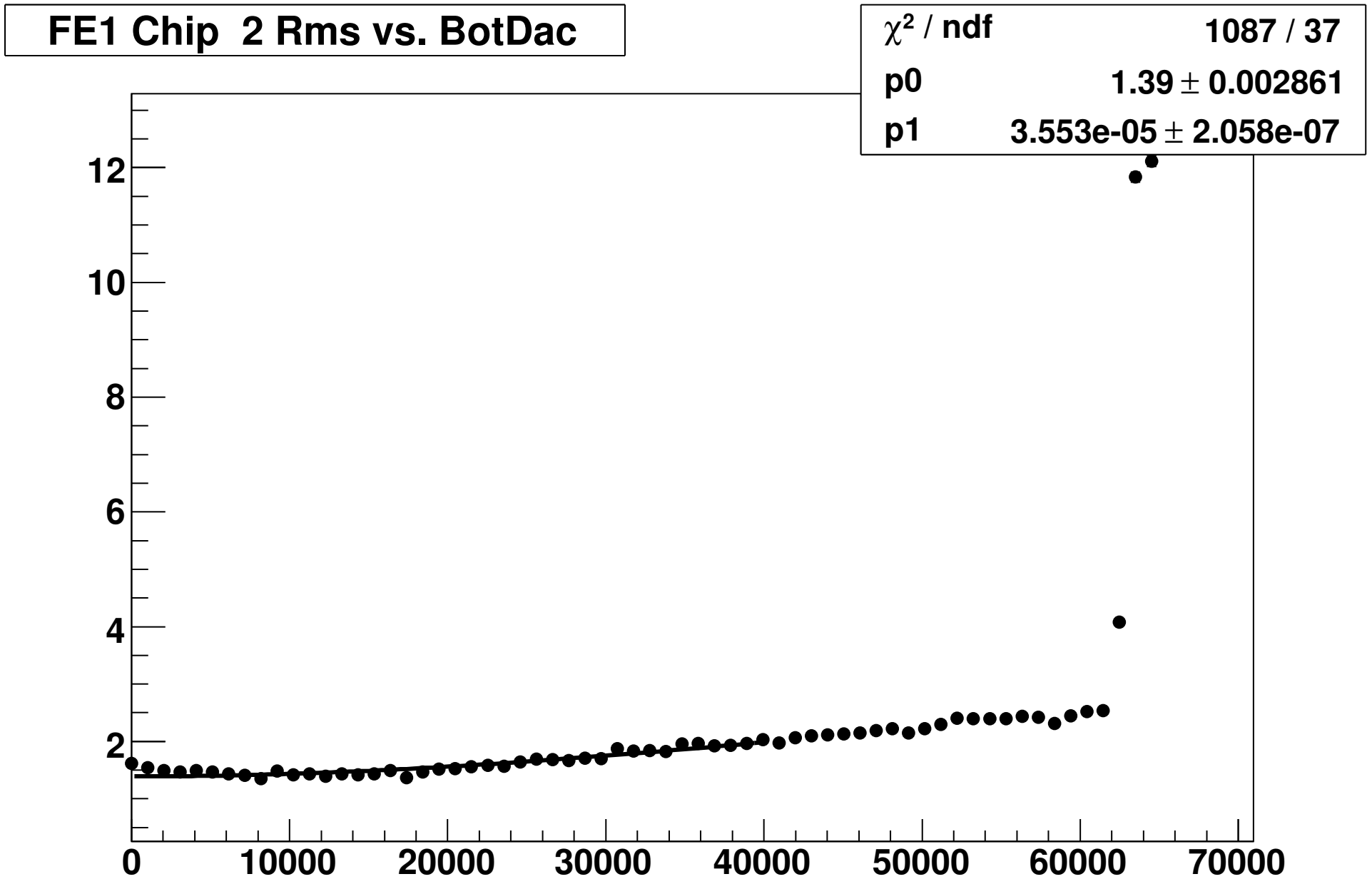

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 3.359e+04 / 37
p0 -49.09 ± 0.005211
p1 0.4511 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

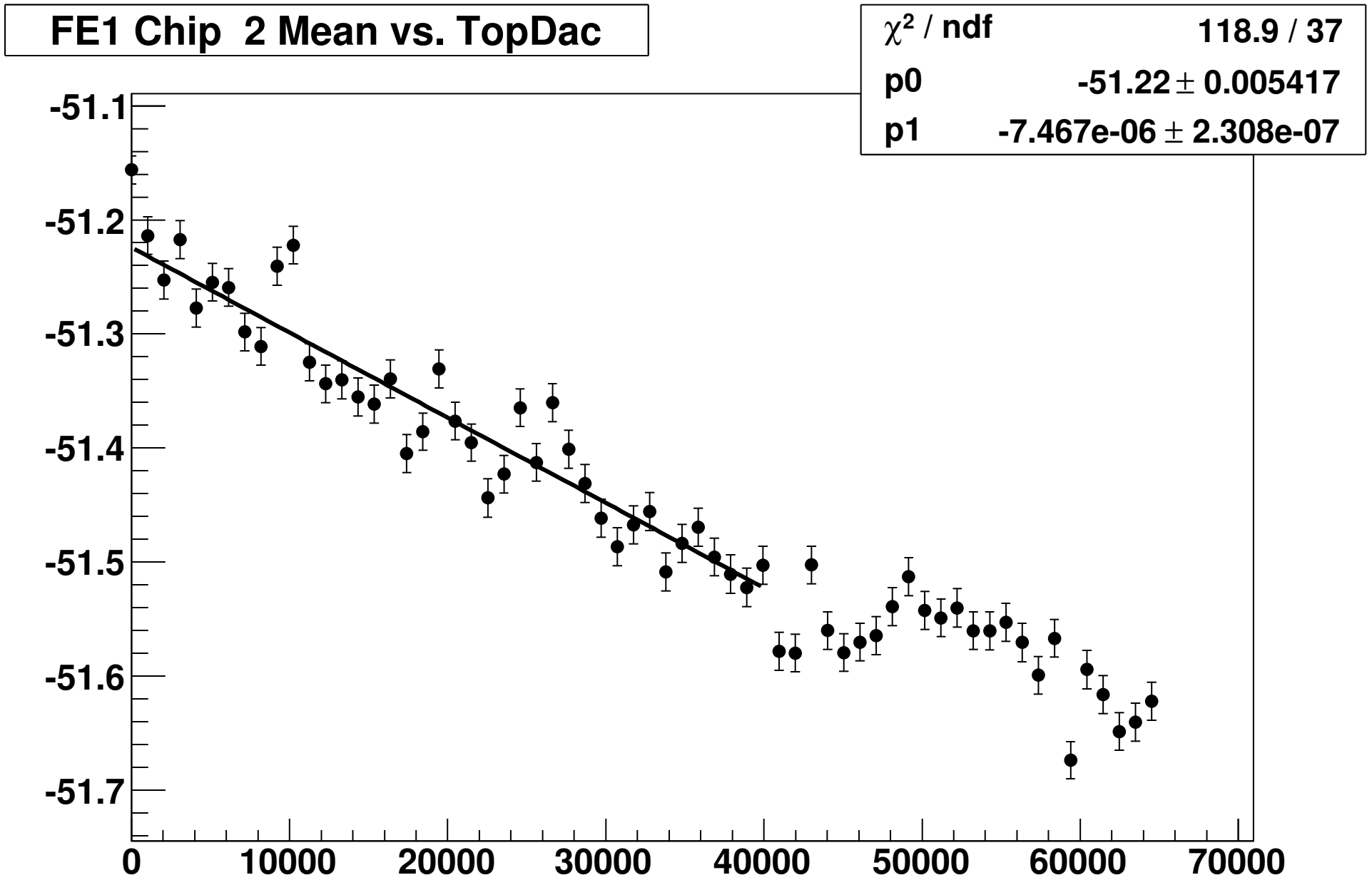

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 880.5 / 37
p0 1.384 ± 0.002847
p1 3.516e-05 ± 2.055e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

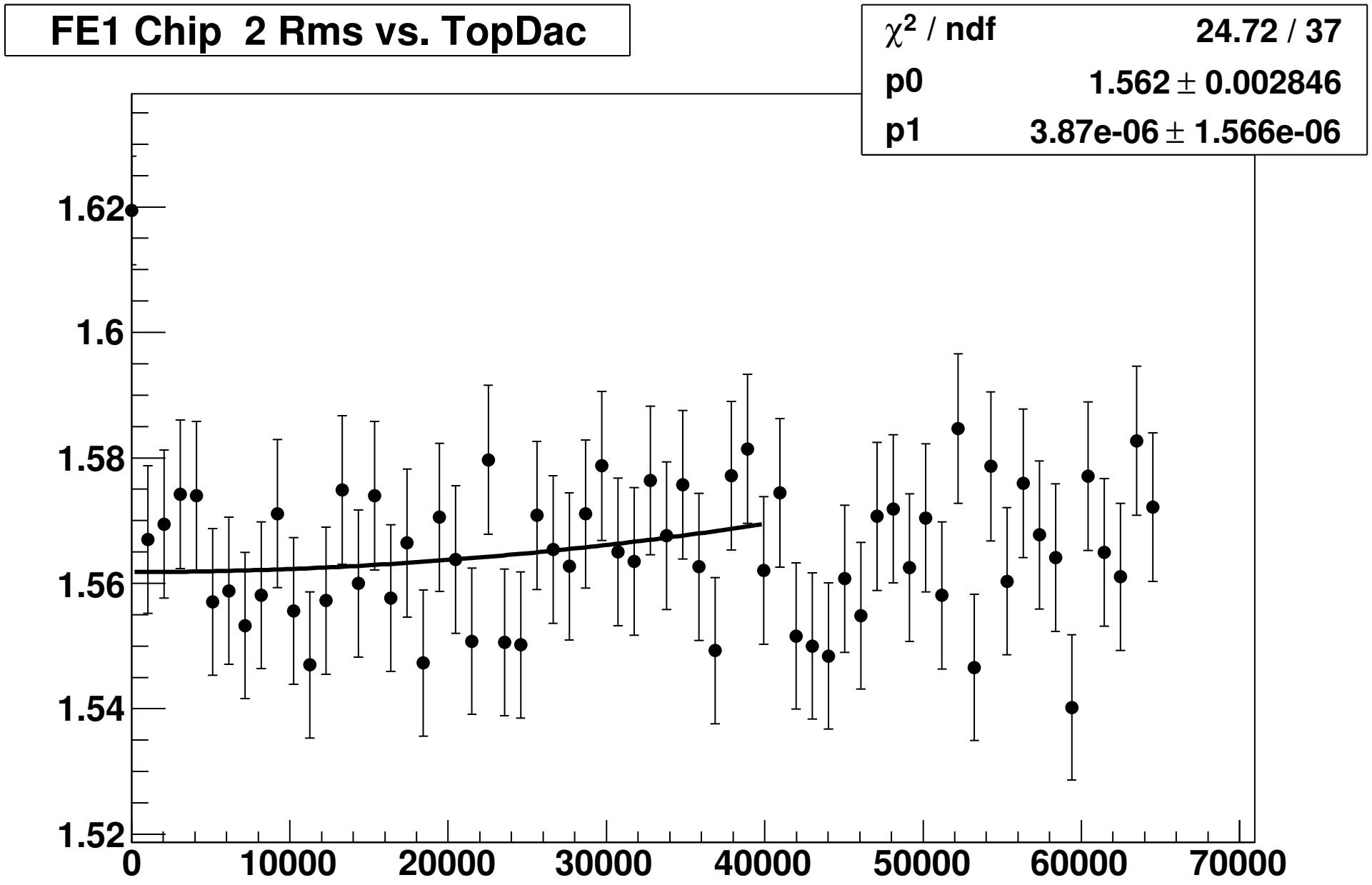

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 115.1 / 37
p0 -47.56 ± 0.005222
p1 -7.674e-06 ± 2.225e-07
-47.5
-47.6
-47.7
-47.8
-47.9
-48
0
10000
20000
30000
40000
50000
60000
70000

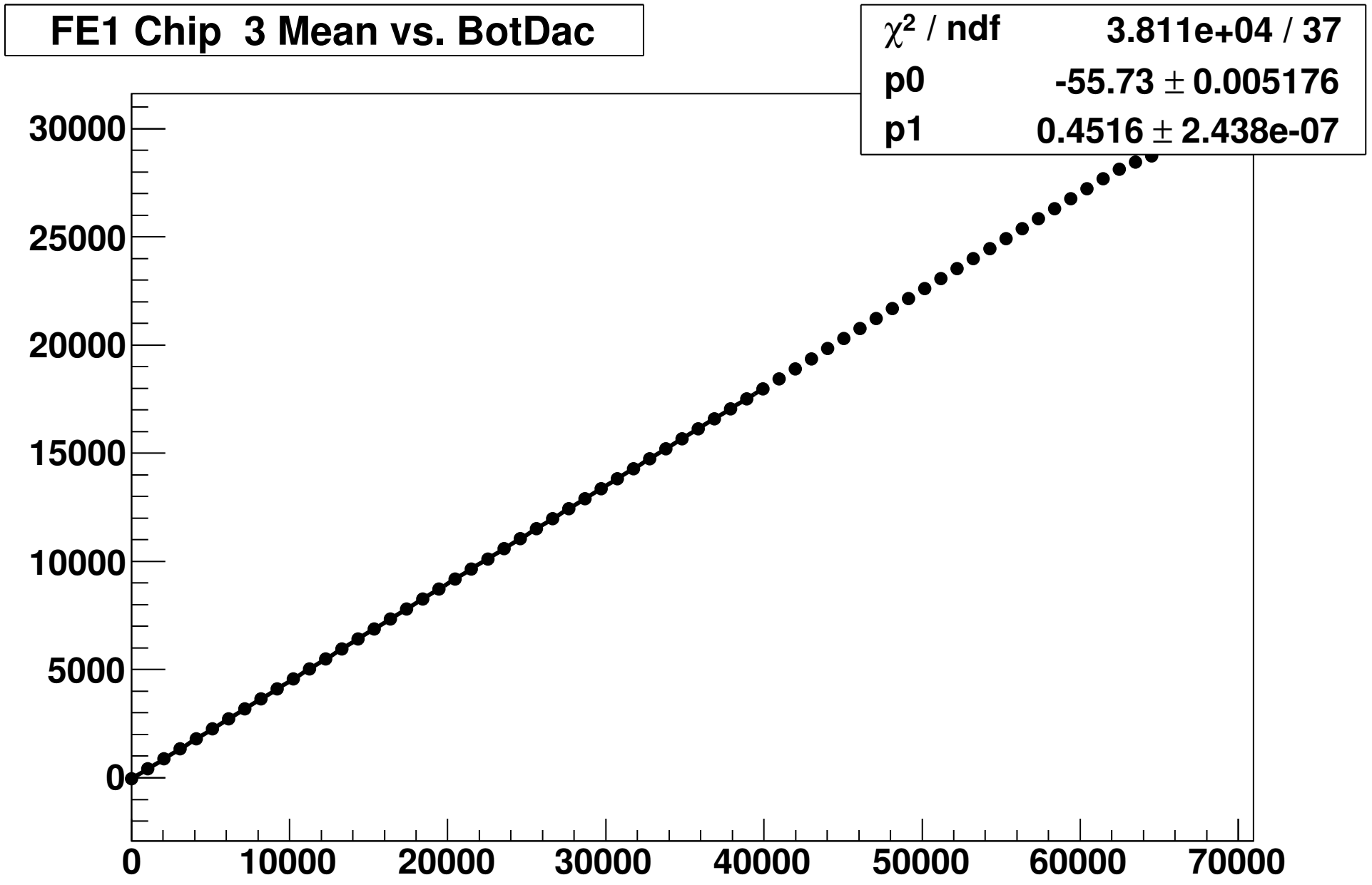

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 52.38 / 37
p0 1.506 ± 0.00263
p1 3.519e-06 ± 1.478e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

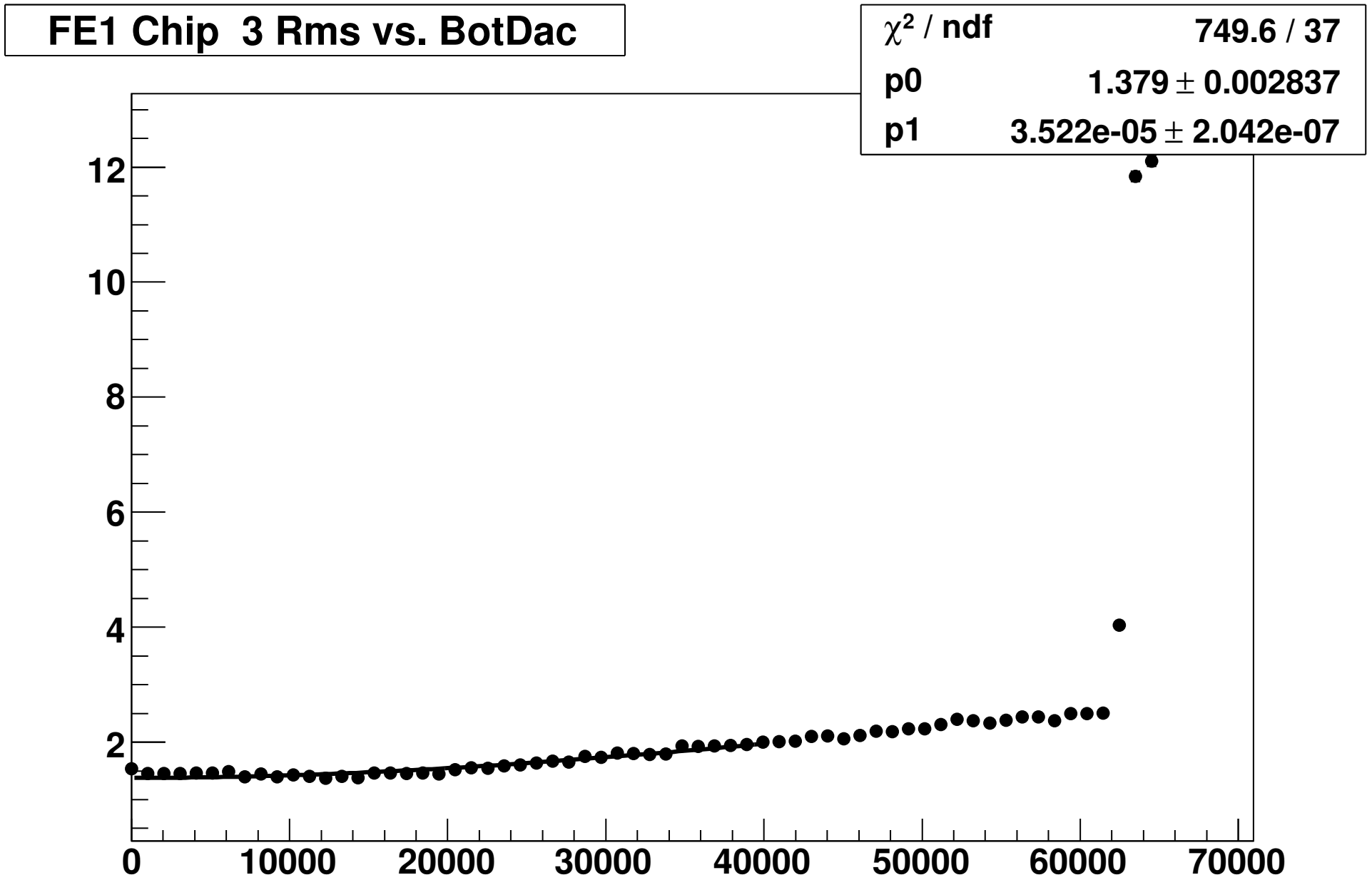

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.858e+04 / 37
p0 -53.84 ± 0.005233
p1 0.4516 ± 2.465e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

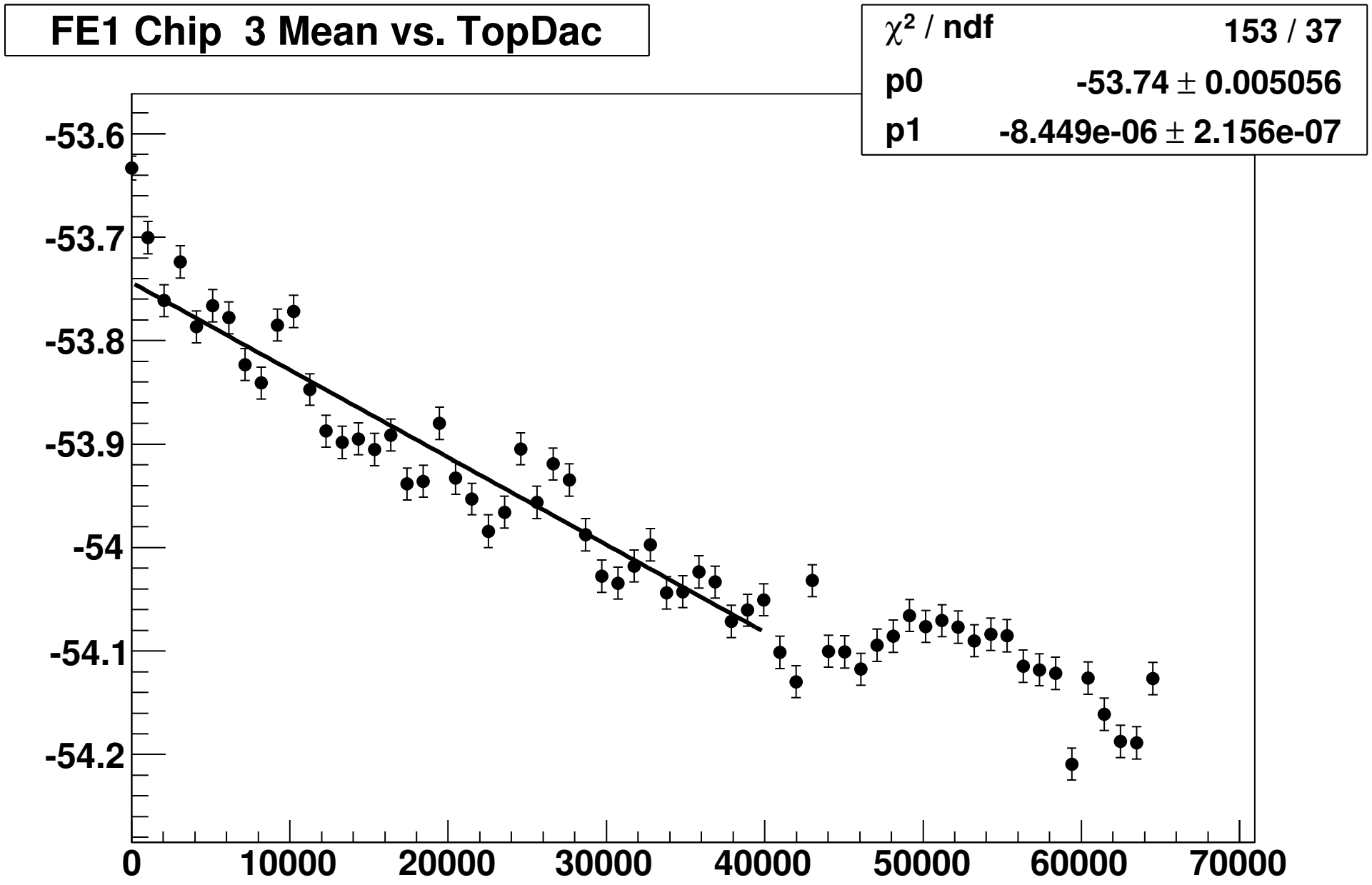

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1087 / 37
p0 1.39 ± 0.002861
p1 3.553e-05 ± 2.058e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

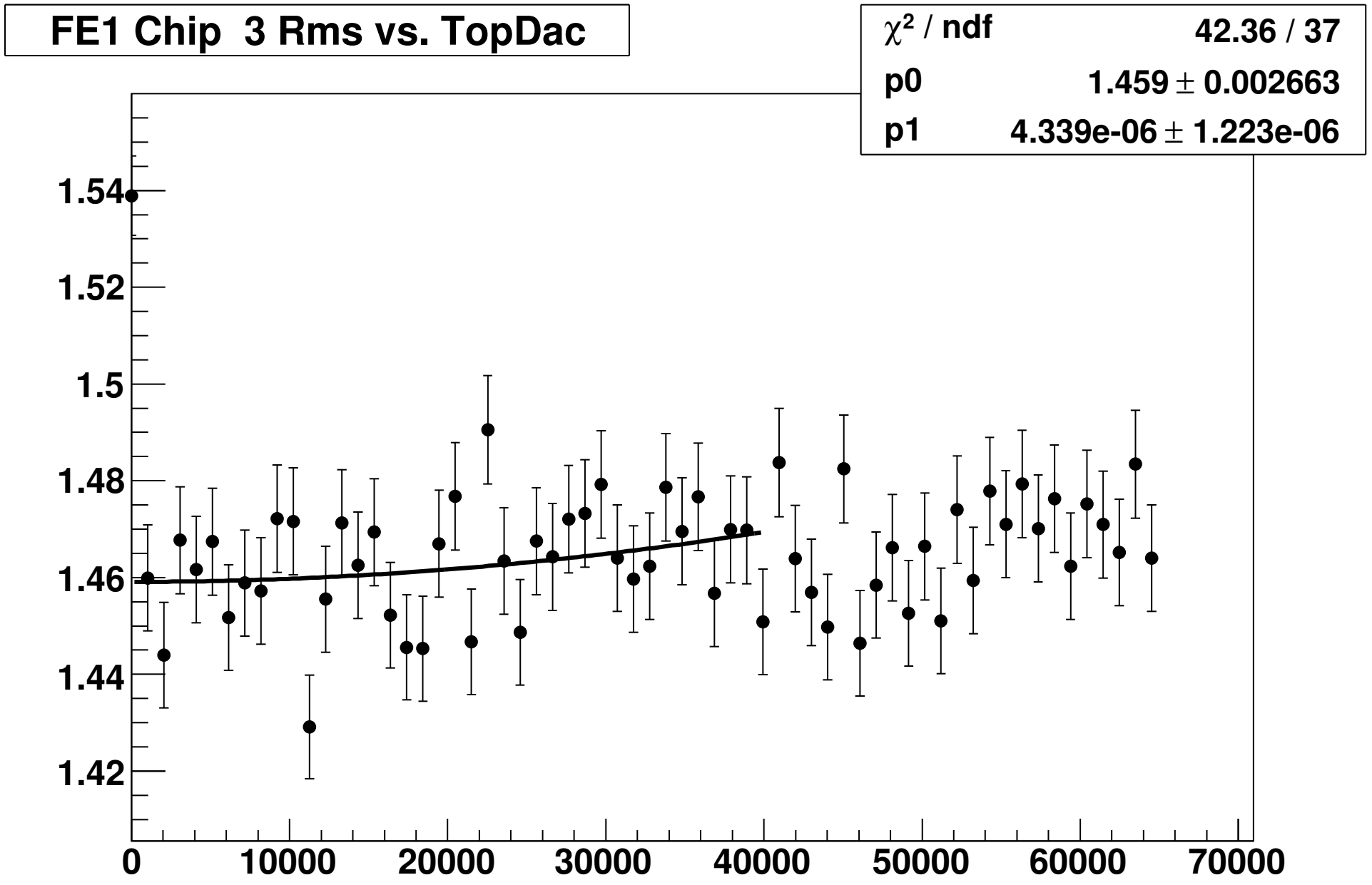

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 118.9 / 37
p0 -51.22 ± 0.005417
p1 -7.467e-06 ± 2.308e-07
-51.1
-51.2
-51.3
-51.4
-51.5
-51.6
-51.7
0
10000
20000
30000
40000
50000
60000
70000

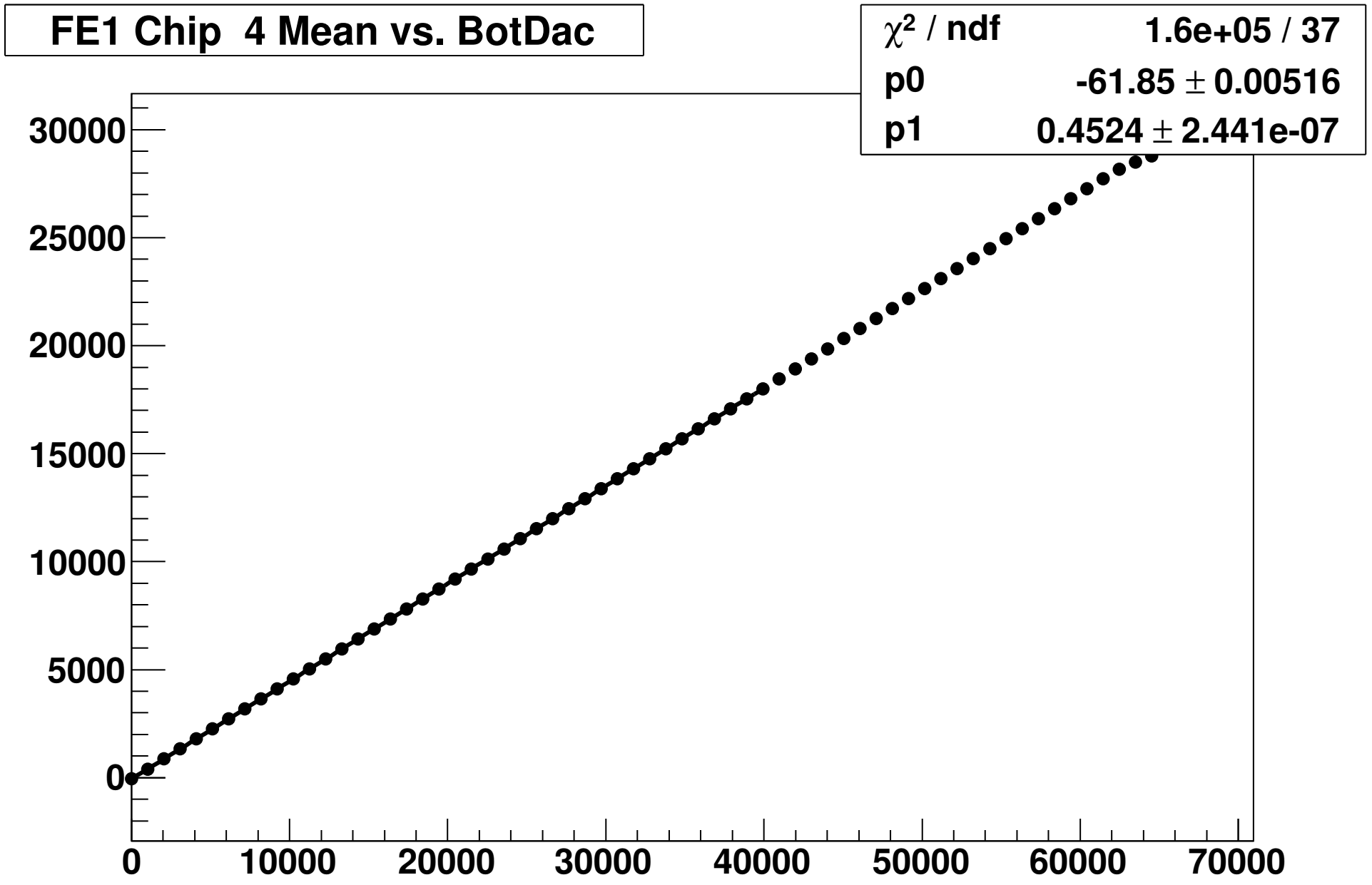

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 24.72 / 37
p0 1.562 ± 0.002846
p1 3.87e-06 ± 1.566e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000

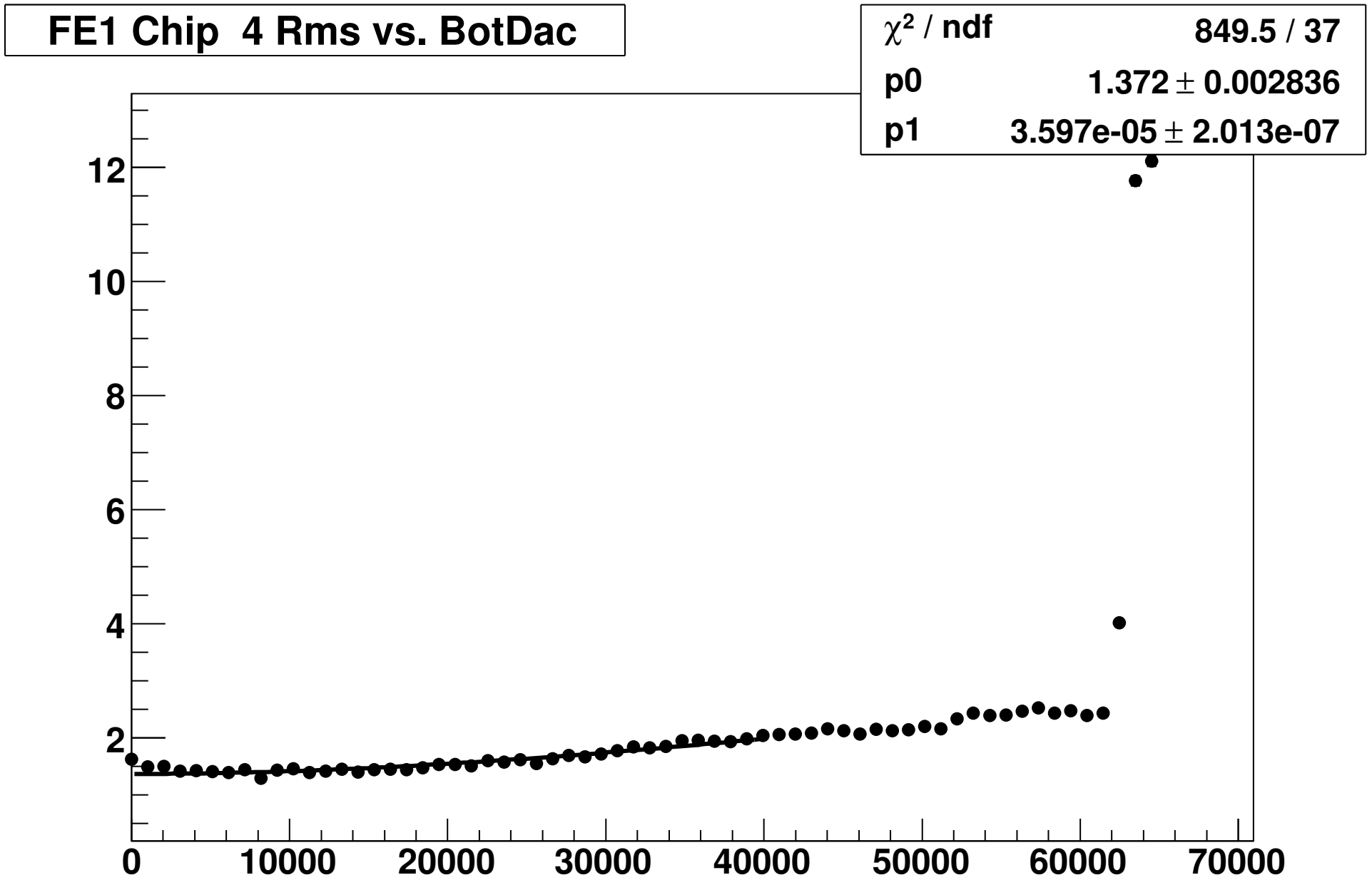

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 3.811e+04 / 37
p0 -55.73 ± 0.005176
p1 0.4516 ± 2.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

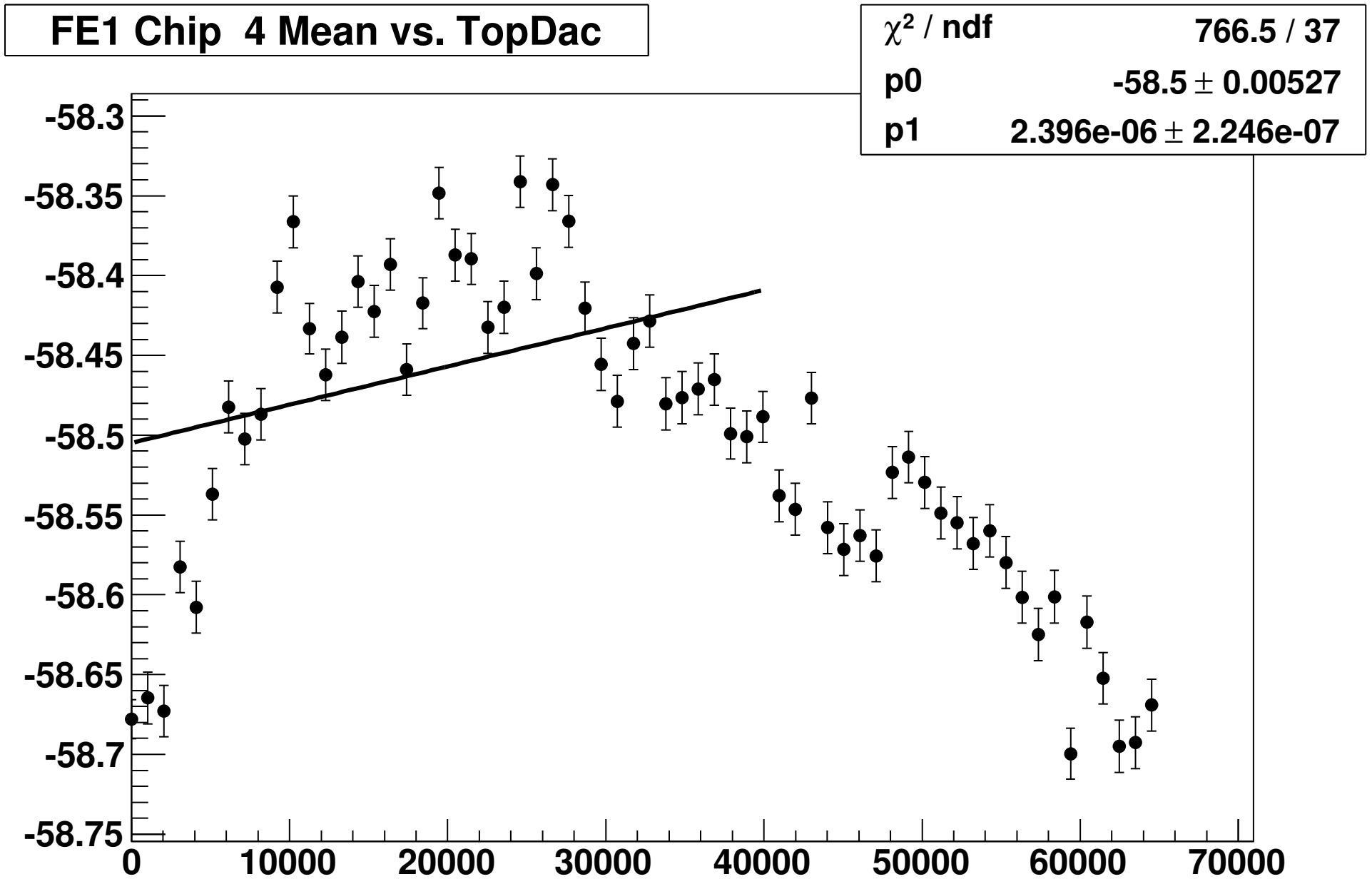

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 749.6 / 37
p0 1.379 ± 0.002837
p1 3.522e-05 ± 2.042e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

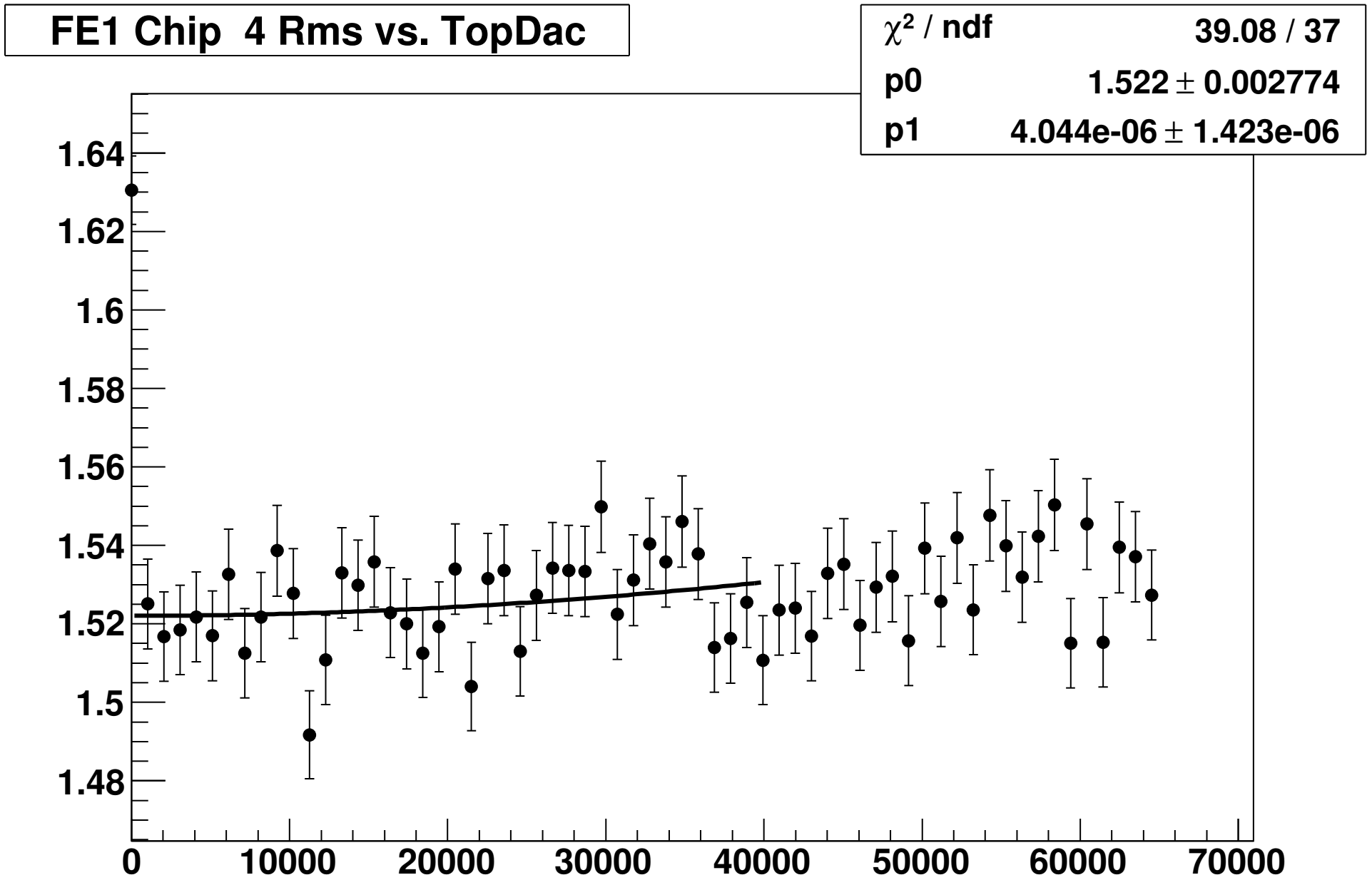

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 153 / 37
p0 -53.74 ± 0.005056
p1 -8.449e-06 ± 2.156e-07
-53.6
-53.7
-53.8
-53.9
-54
-54.1
-54.2
0
10000
20000
30000
40000
50000
60000
70000

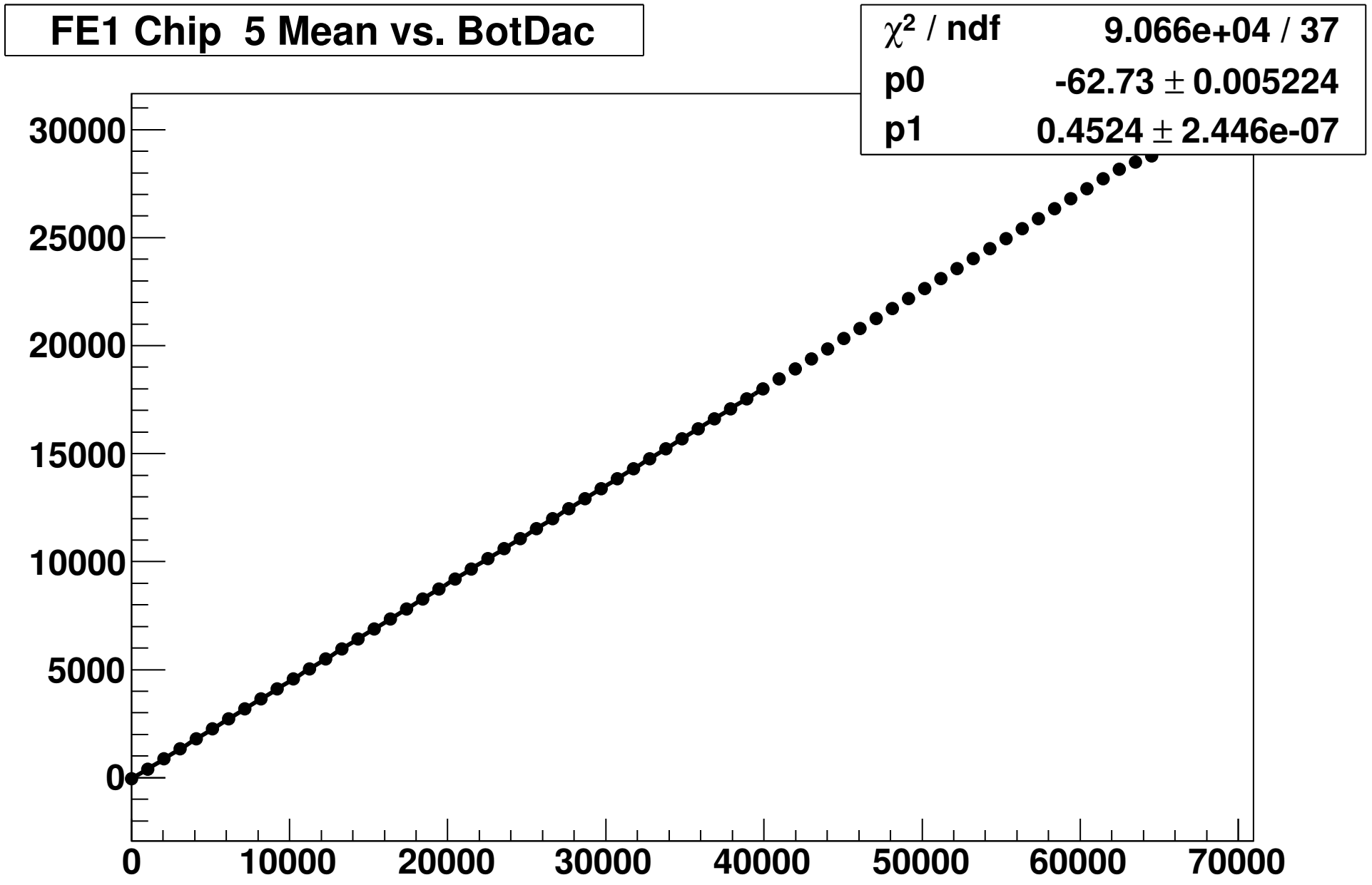

FE1 Chip 3 Rms vs. TopDac
χ² / ndf 42.36 / 37
p0 1.459 ± 0.002663
p1 4.339e-06 ± 1.223e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

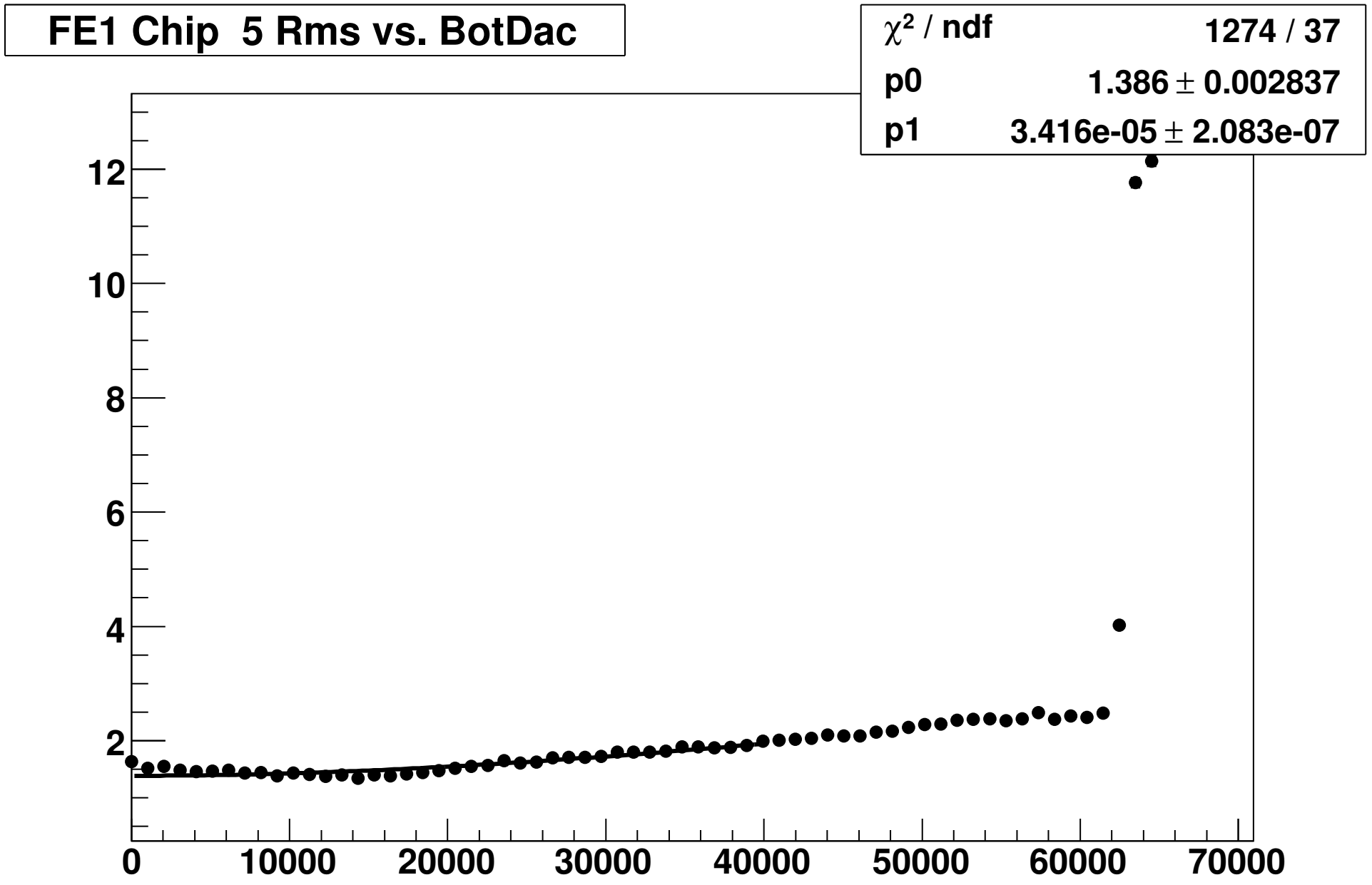

FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.6e+05 / 37
p0 -61.85 ± 0.00516
p1 0.4524 ± 2.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

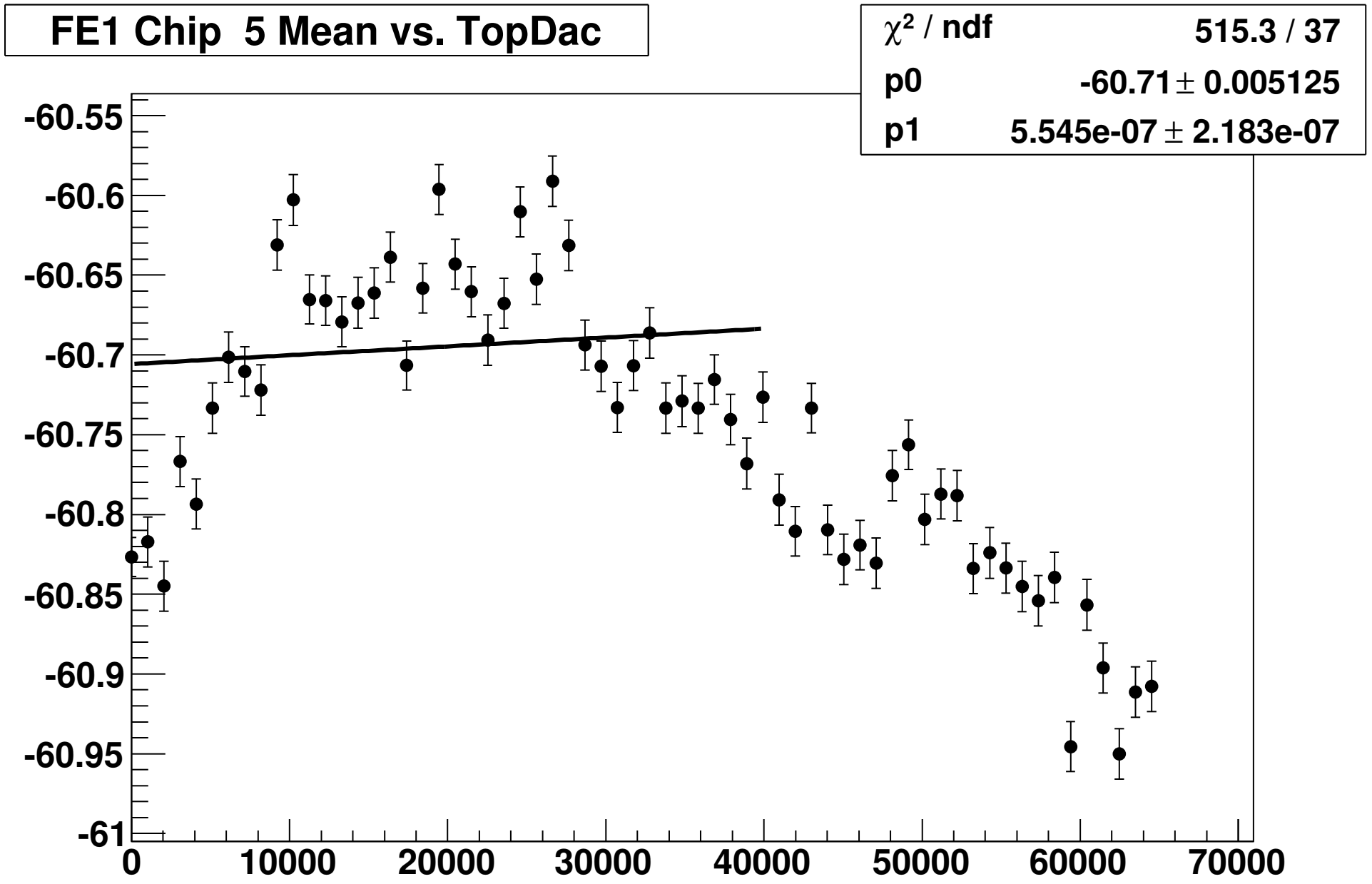

FE1 Chip 4 Rms vs. BotDac
χ² / ndf 849.5 / 37
p0 1.372 ± 0.002836
p1 3.597e-05 ± 2.013e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

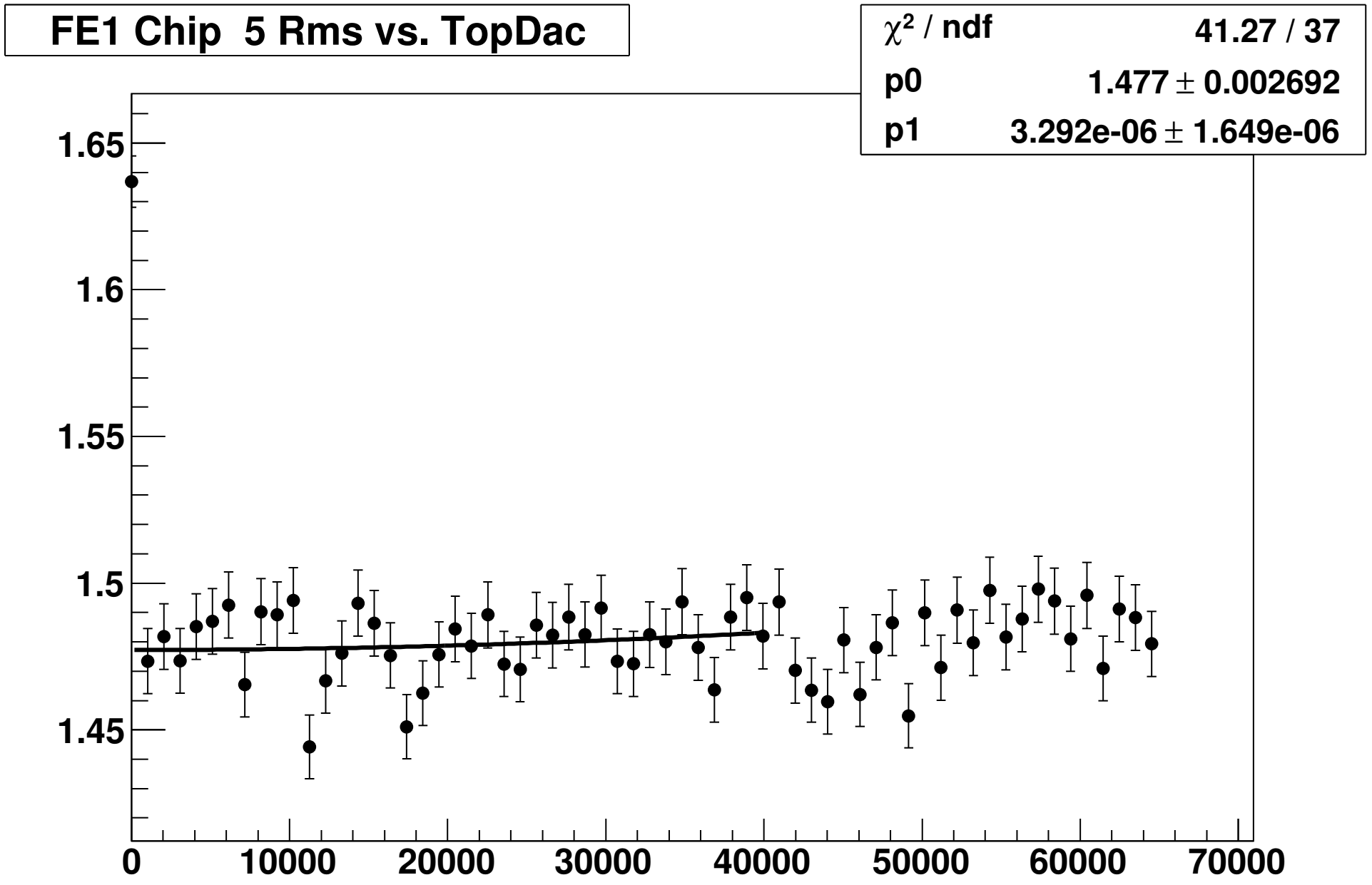

FE1 Chip 4 Mean vs. TopDac
χ² / ndf 766.5 / 37
p0 -58.5 ± 0.00527
p1 2.396e-06 ± 2.246e-07
-58.3
-58.35
-58.4
-58.45
-58.5
-58.55
-58.6
-58.65
-58.7
-58.75
0
10000
20000
30000
40000
50000
60000
70000

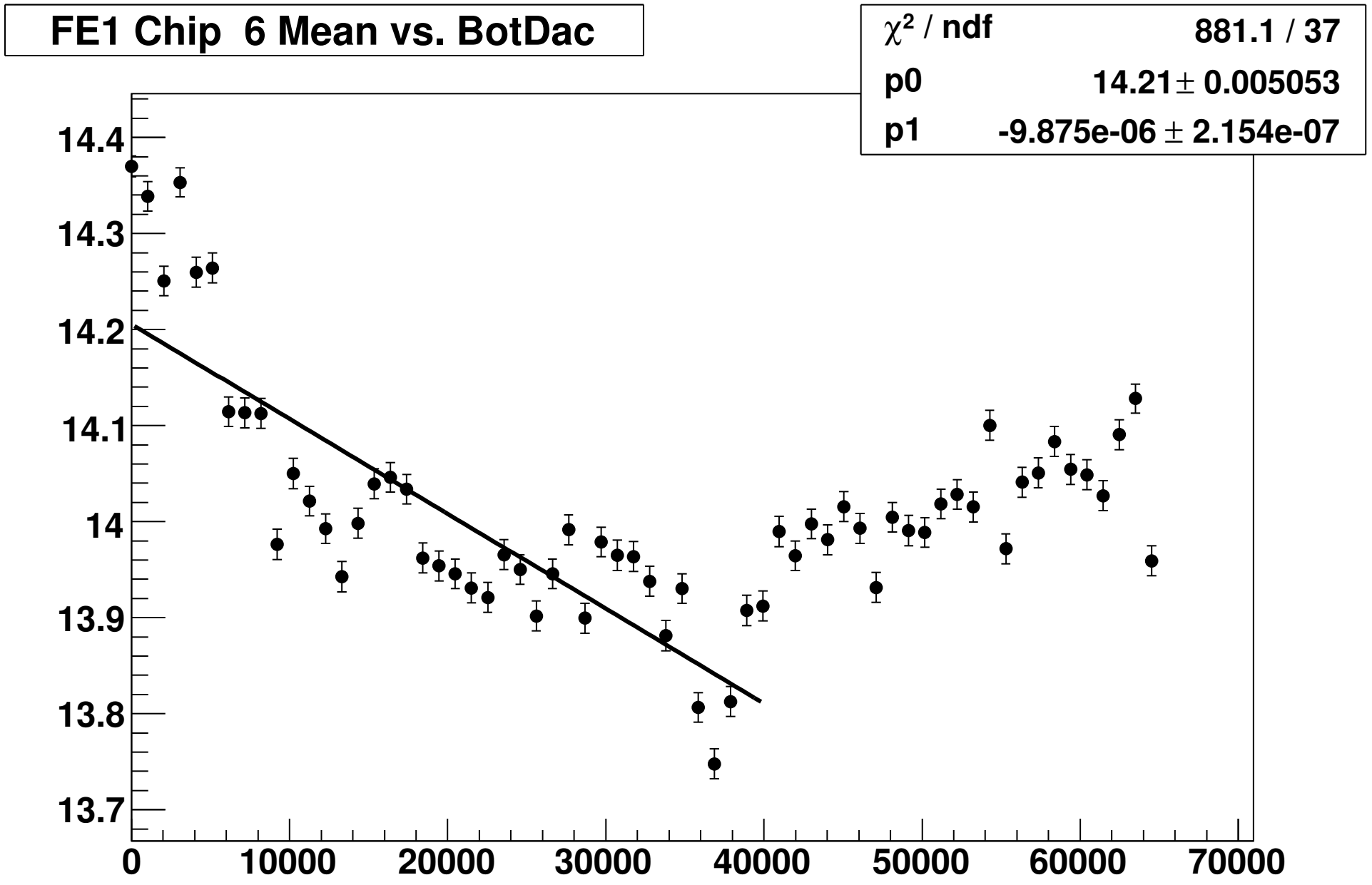

FE1 Chip 4 Rms vs. TopDac
χ² / ndf 39.08 / 37
p0 1.522 ± 0.002774
p1 4.044e-06 ± 1.423e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

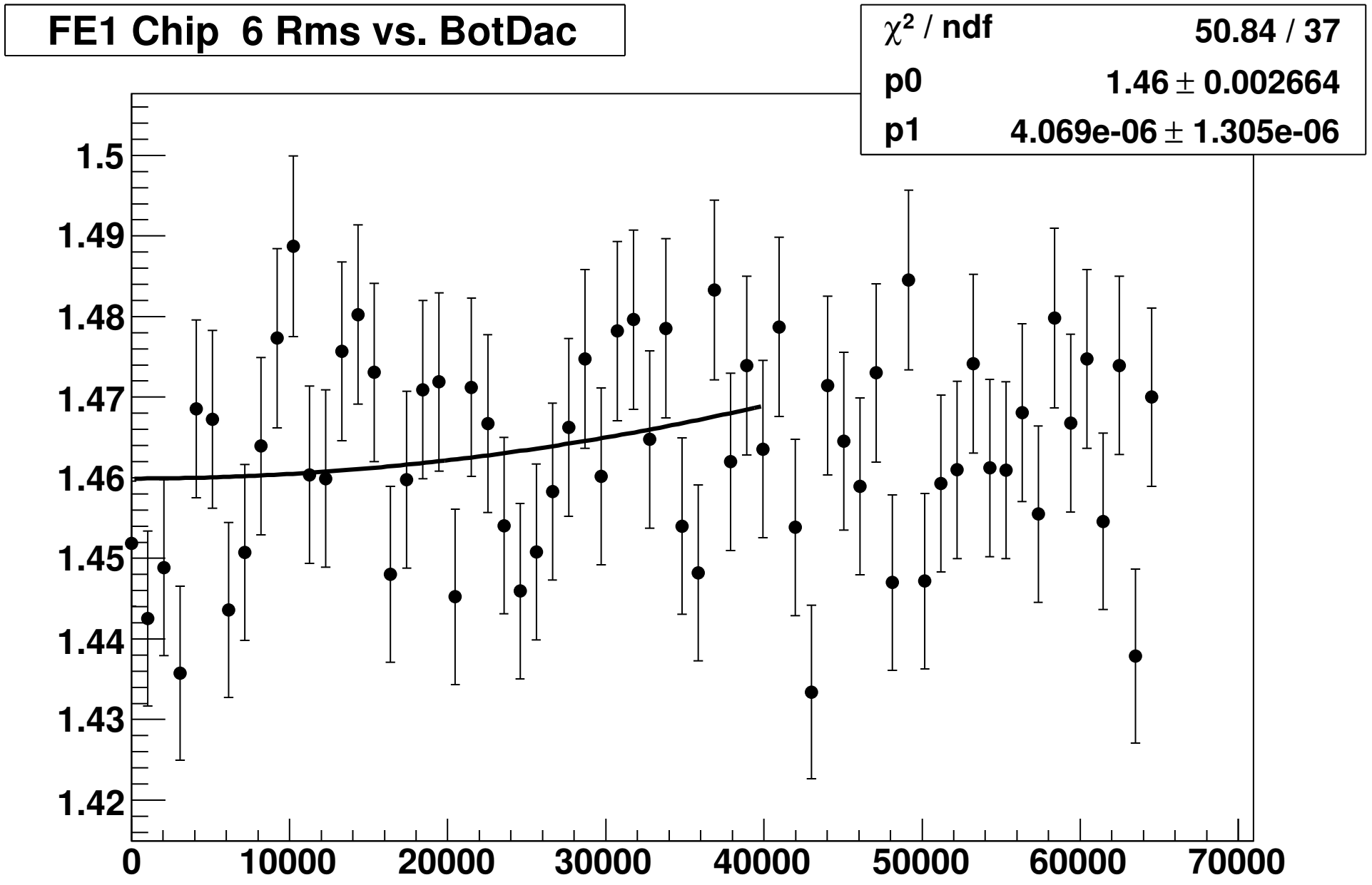

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 9.066e+04 / 37
p0 -62.73 ± 0.005224
p1 0.4524 ± 2.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

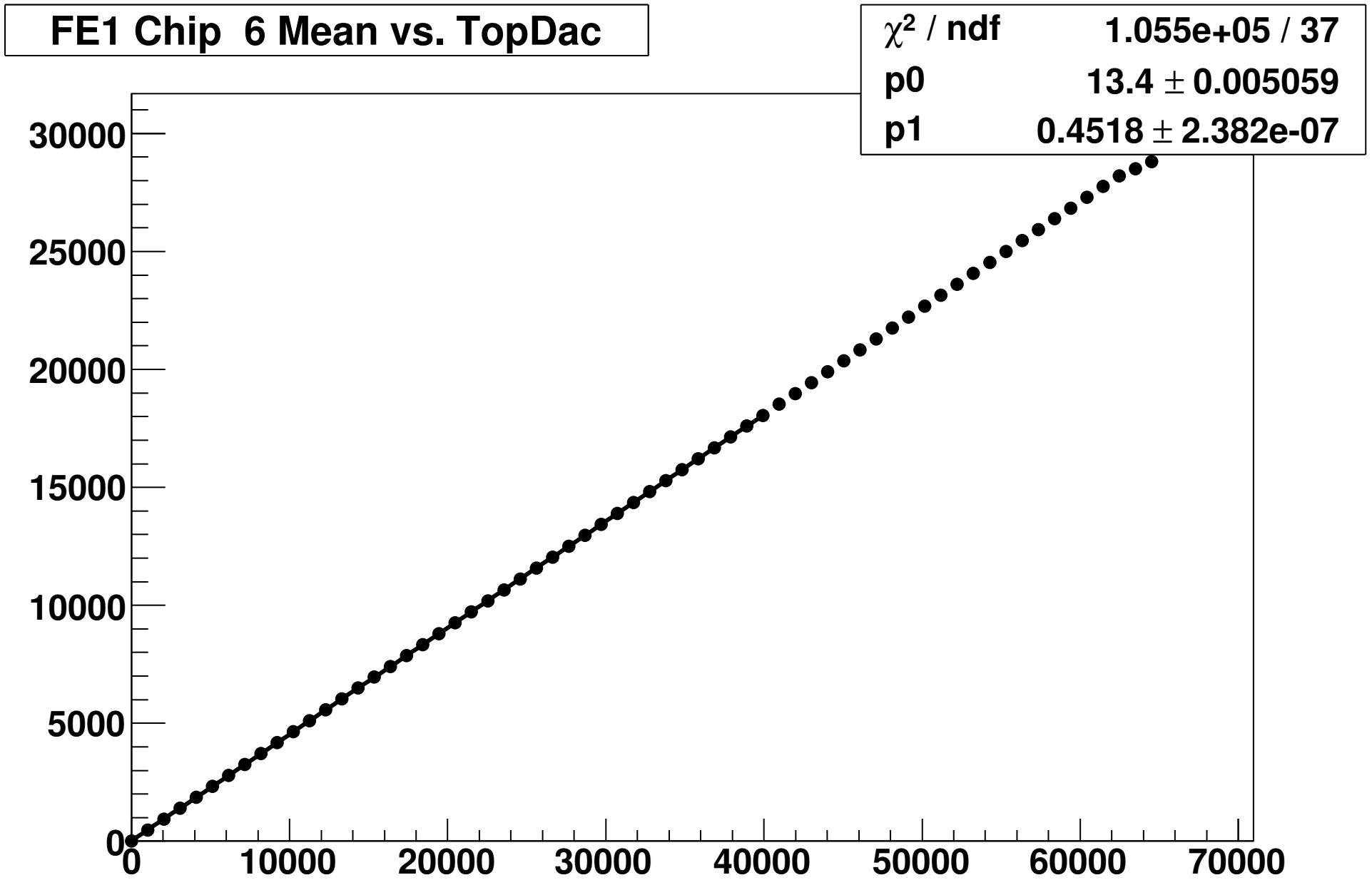

FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1274 / 37
p0 1.386 ± 0.002837
p1 3.416e-05 ± 2.083e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

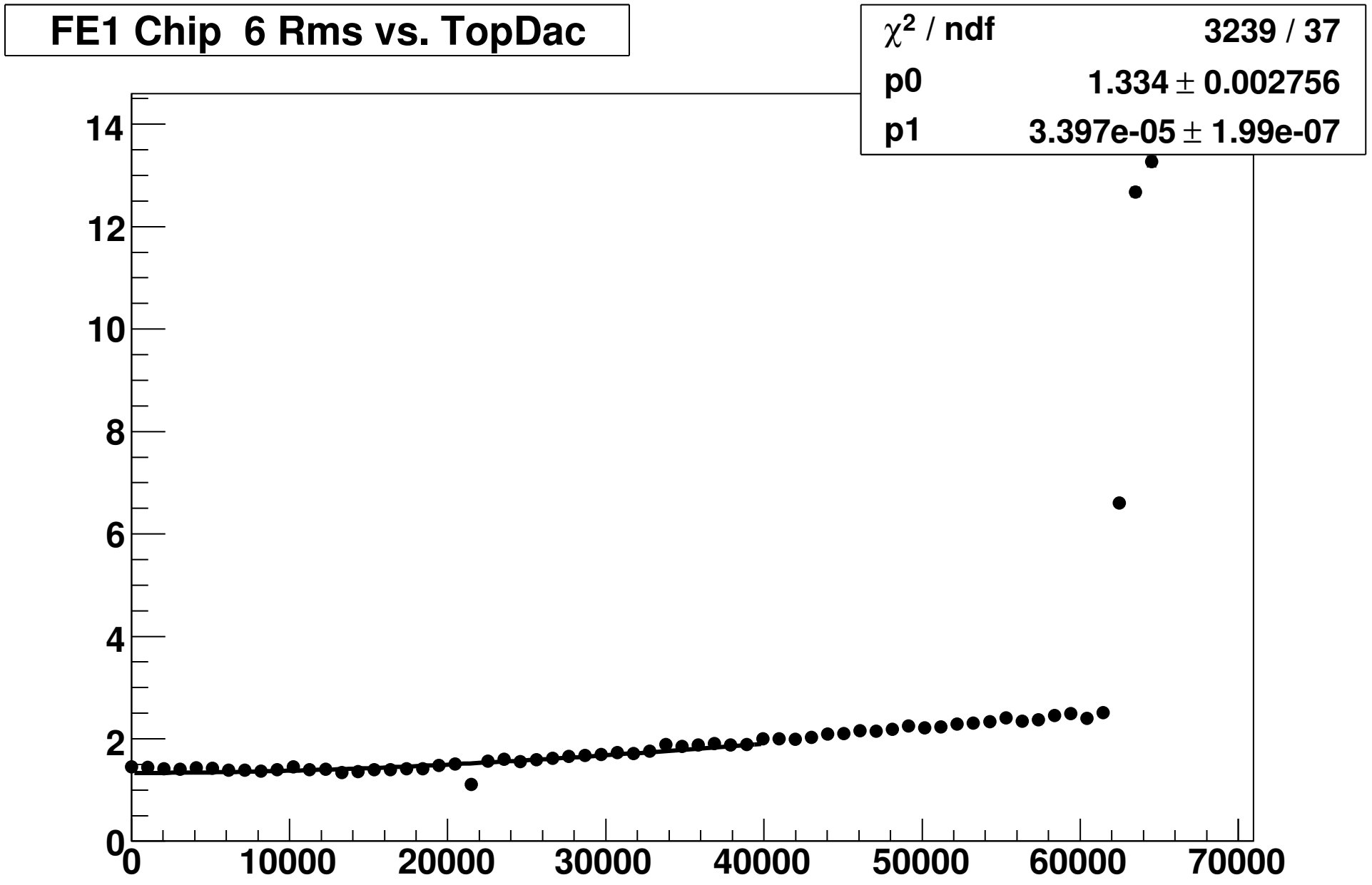

FE1 Chip 5 Mean vs. TopDac
χ² / ndf 515.3 / 37
p0 -60.71 ± 0.005125
p1 5.545e-07 ± 2.183e-07
-60.55
-60.6
-60.65
-60.7
-60.75
-60.8
-60.85
-60.9
-60.95
-61
0
10000
20000
30000
40000
50000
60000
70000

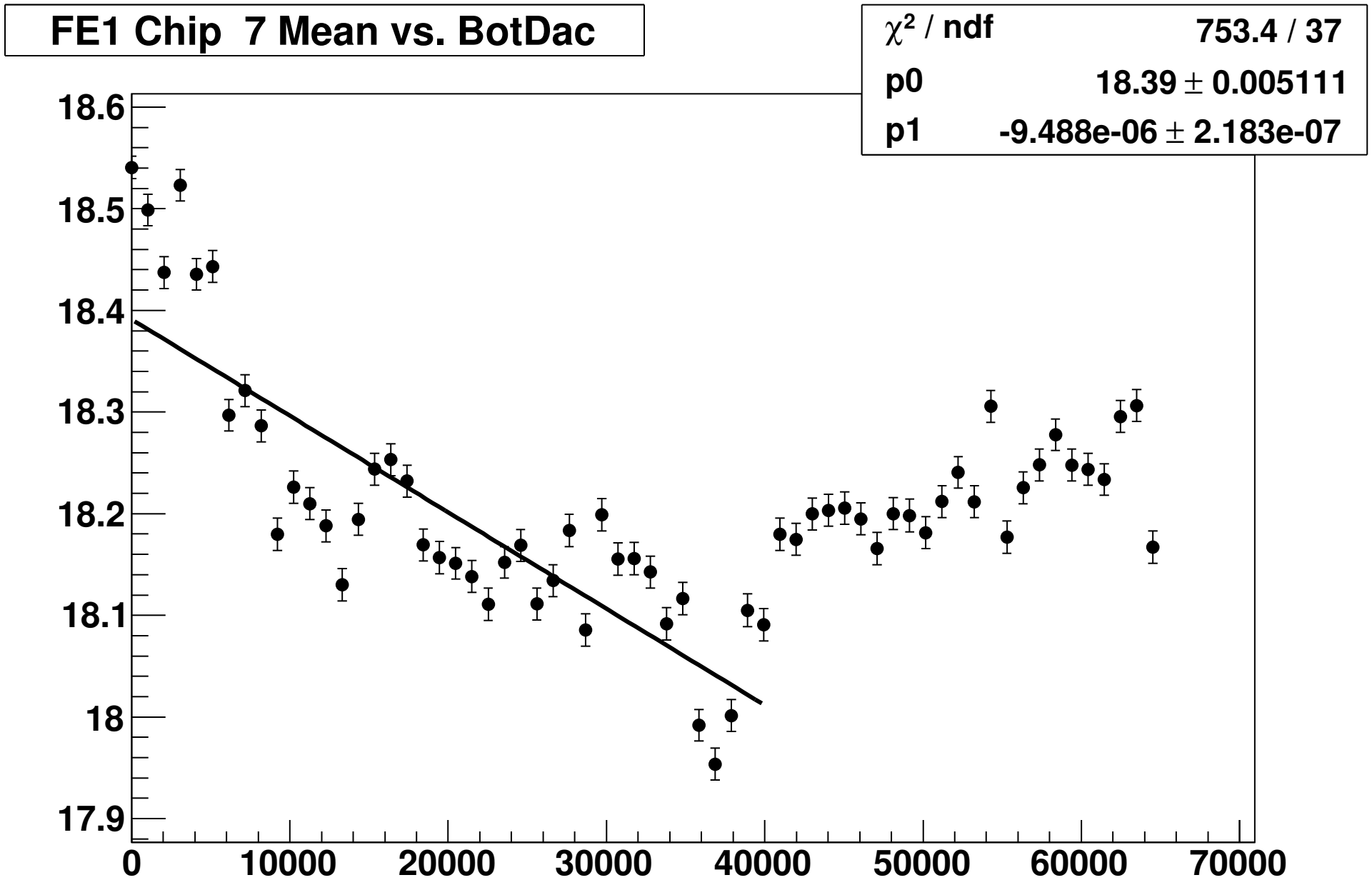

FE1 Chip 5 Rms vs. TopDac
χ² / ndf 41.27 / 37
p0 1.477 ± 0.002692
p1 3.292e-06 ± 1.649e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

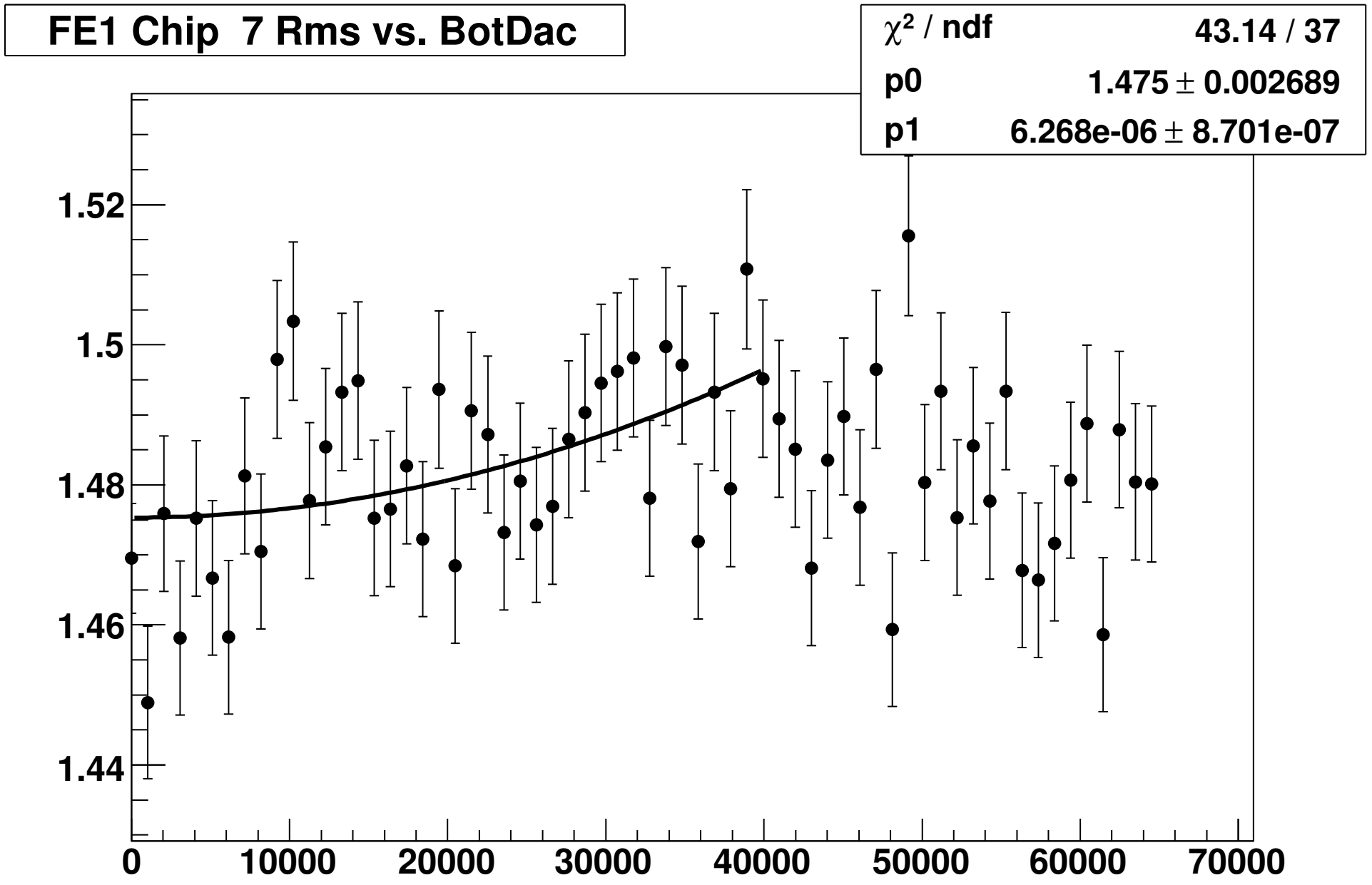

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 881.1 / 37
p0 14.21 ± 0.005053
p1 -9.875e-06 ± 2.154e-07
14.4
14.3
14.2
14.1
14
13.9
13.8
13.7
0
10000
20000
30000
40000
50000
60000
70000

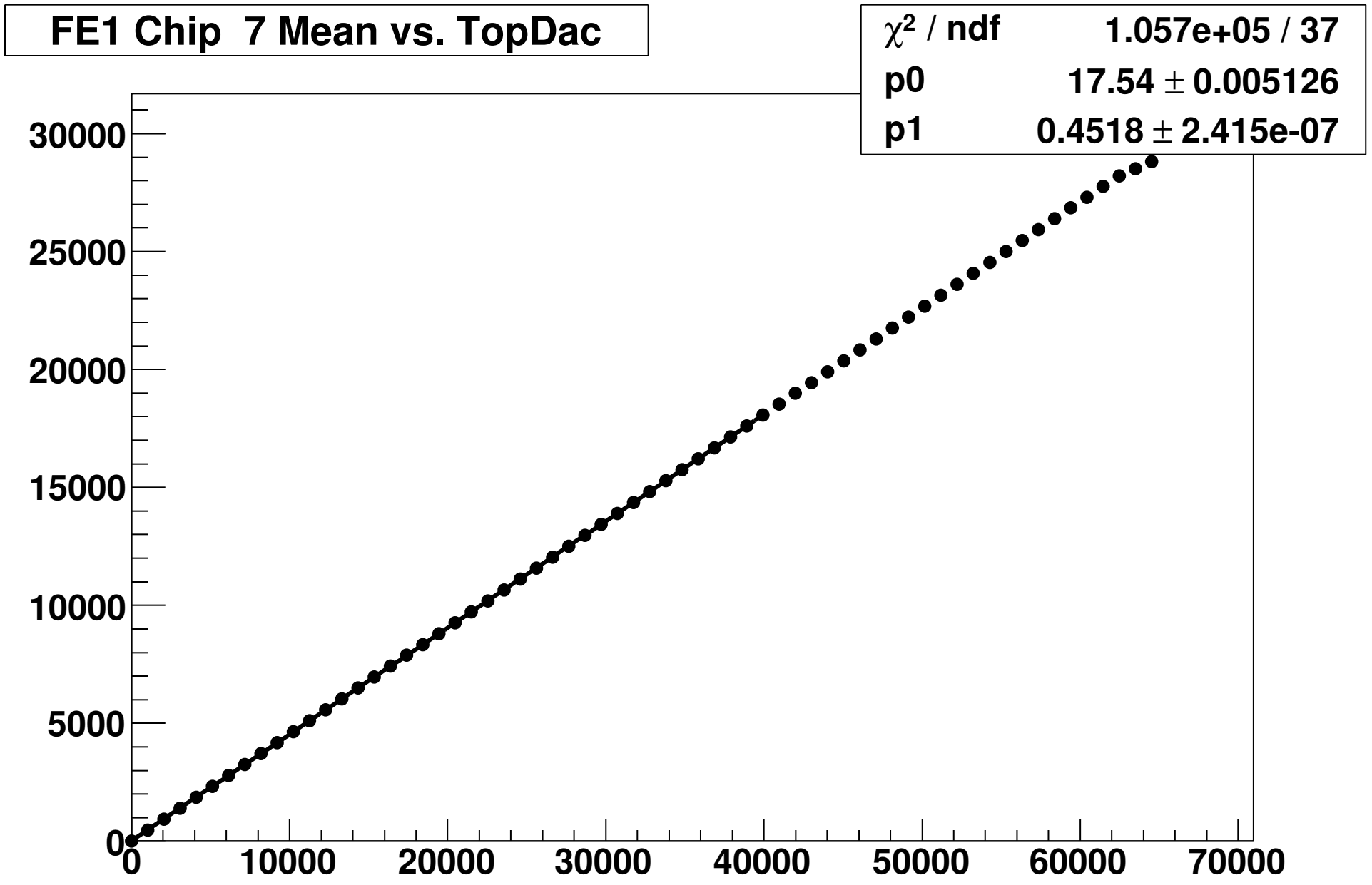

FE1 Chip 6 Rms vs. BotDac
χ² / ndf 50.84 / 37
p0 1.46 ± 0.002664
p1 4.069e-06 ± 1.305e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

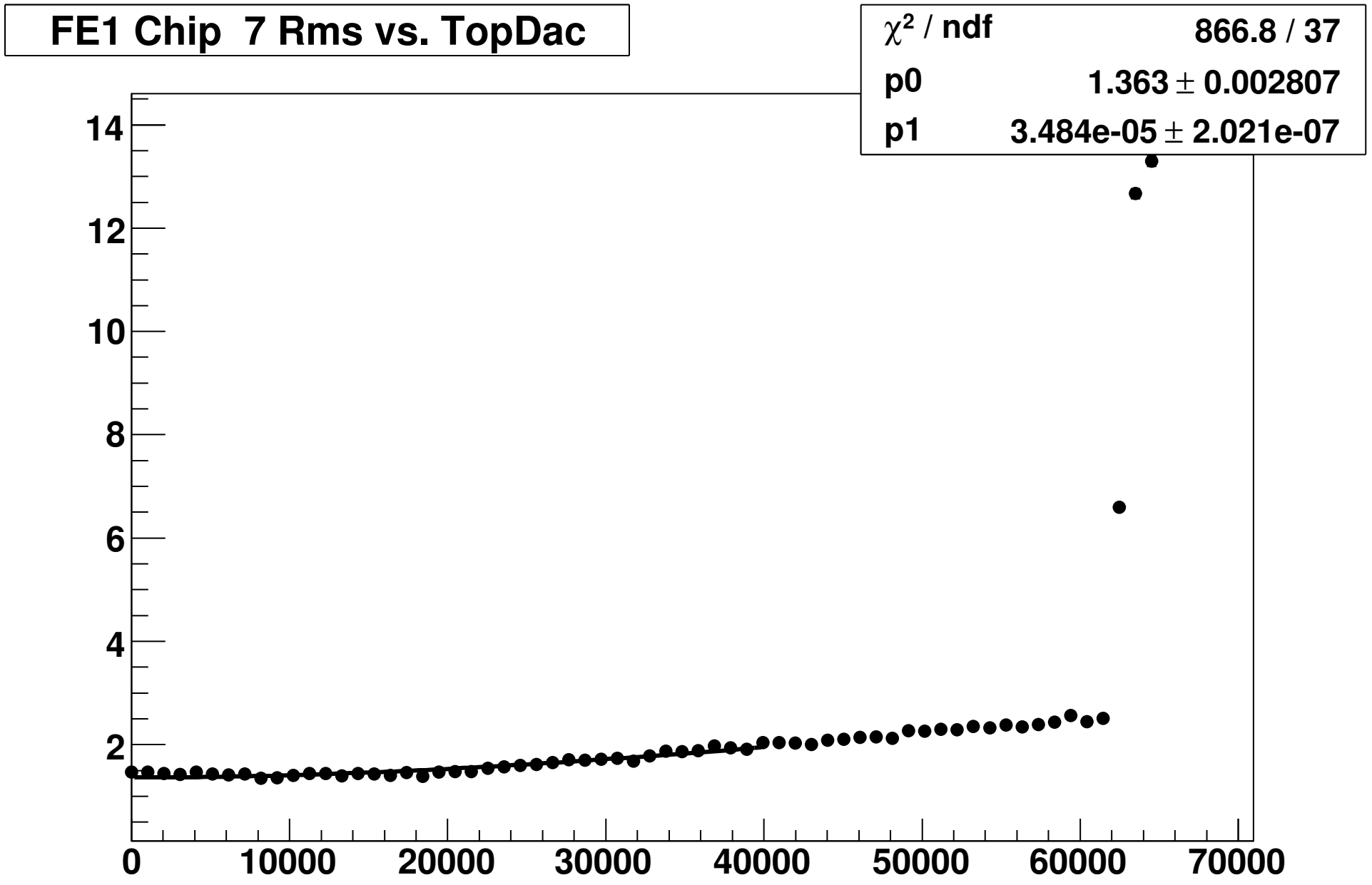

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.055e+05 / 37
p0 13.4 ± 0.005059
p1 0.4518 ± 2.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

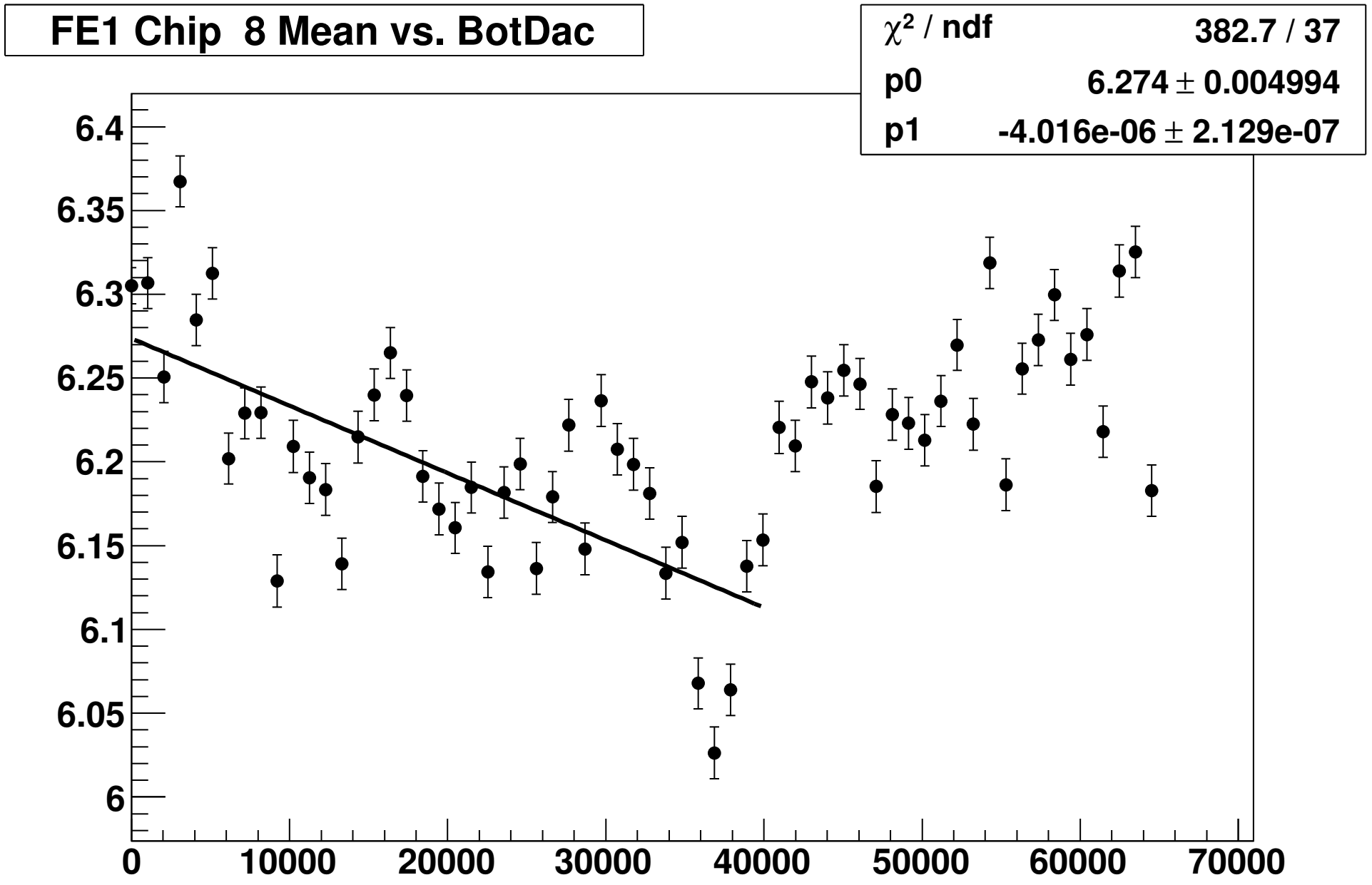

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 3239 / 37
p0 1.334 ± 0.002756
p1 3.397e-05 ± 1.99e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

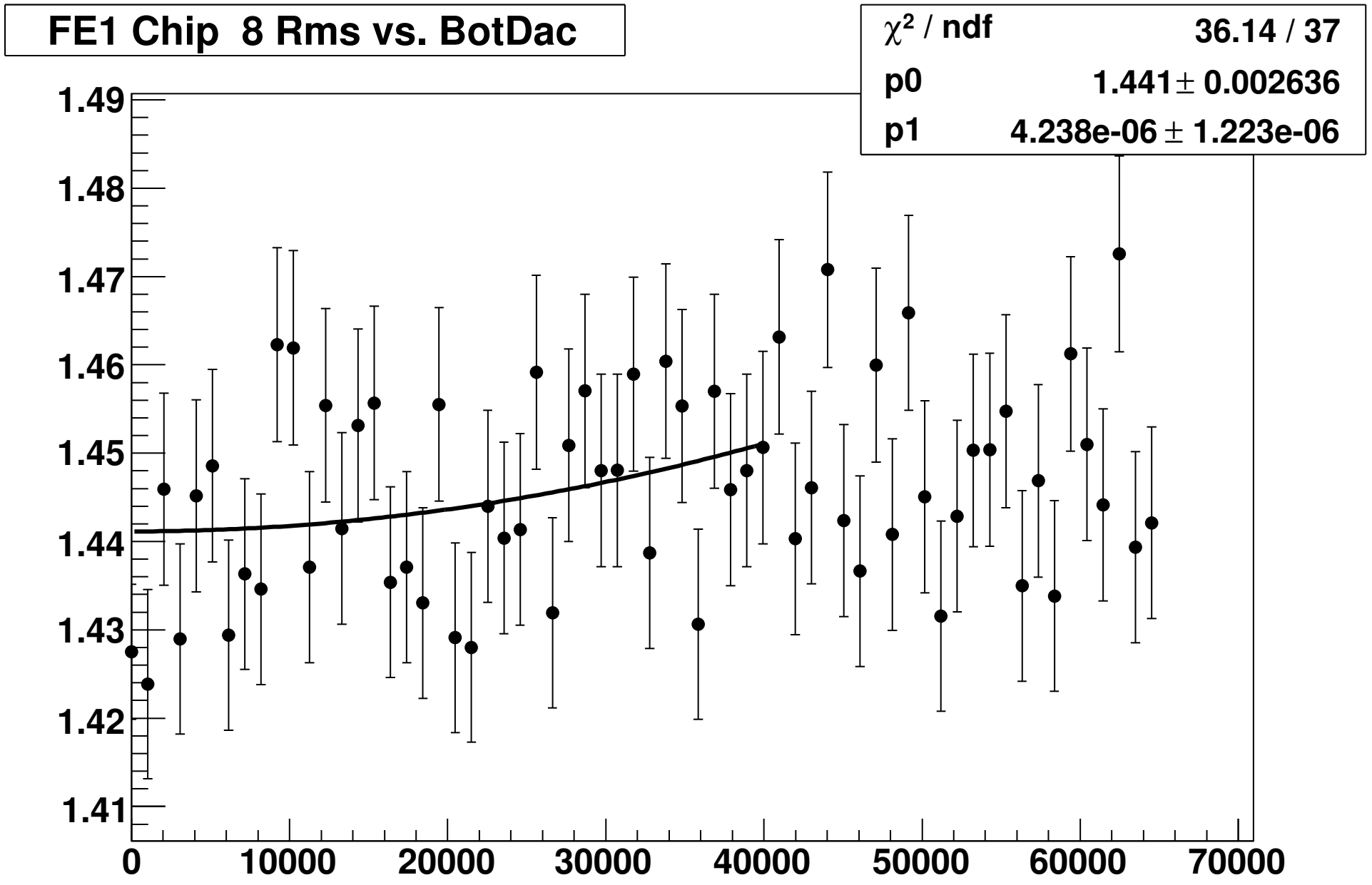

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 753.4 / 37
p0 18.39 ± 0.005111
p1 -9.488e-06 ± 2.183e-07
18.6
18.5
18.4
18.3
18.2
18.1
18
17.9
0
10000
20000
30000
40000
50000
60000
70000

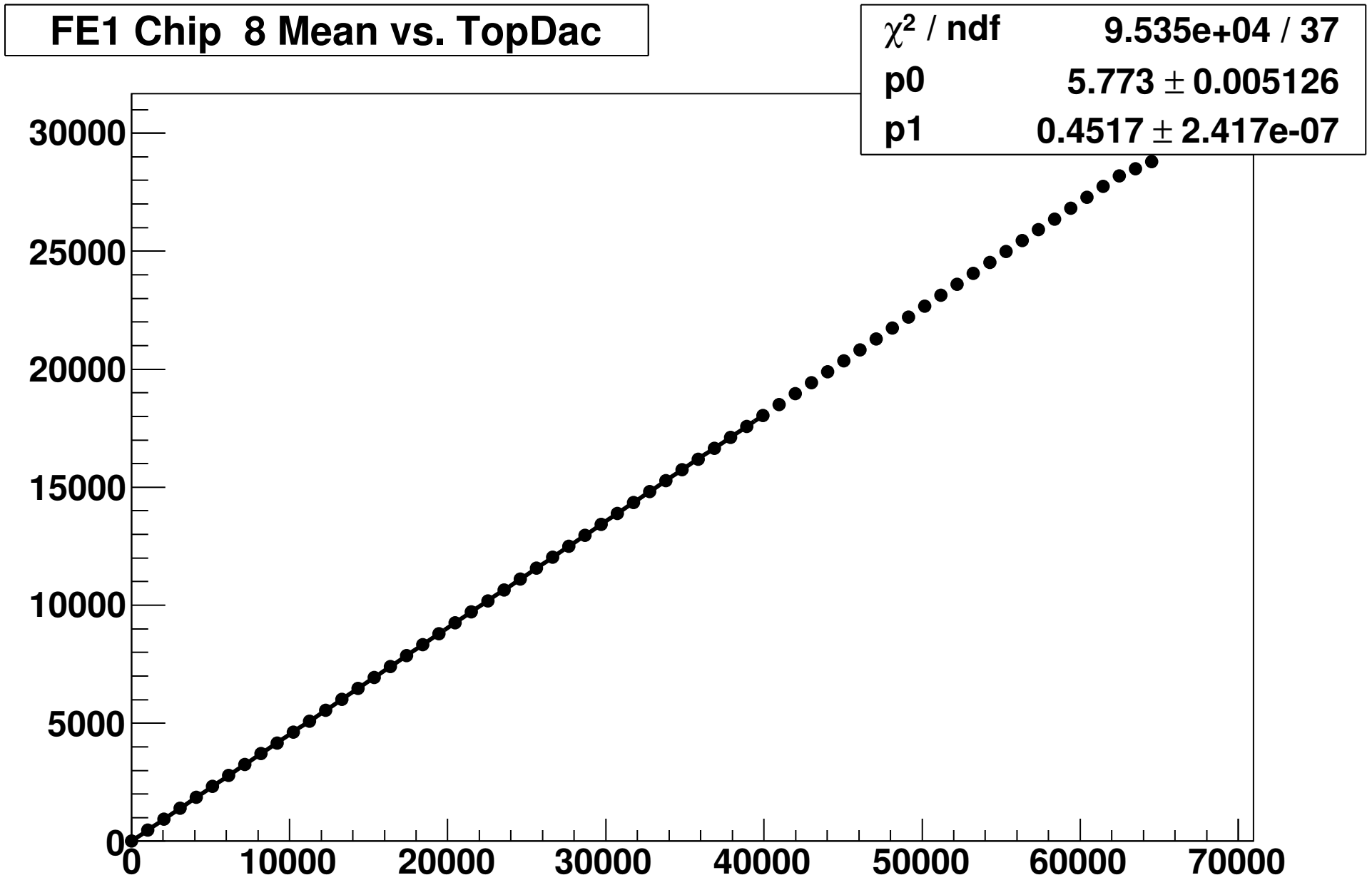

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 43.14 / 37
p0 1.475 ± 0.002689
p1 6.268e-06 ± 8.701e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

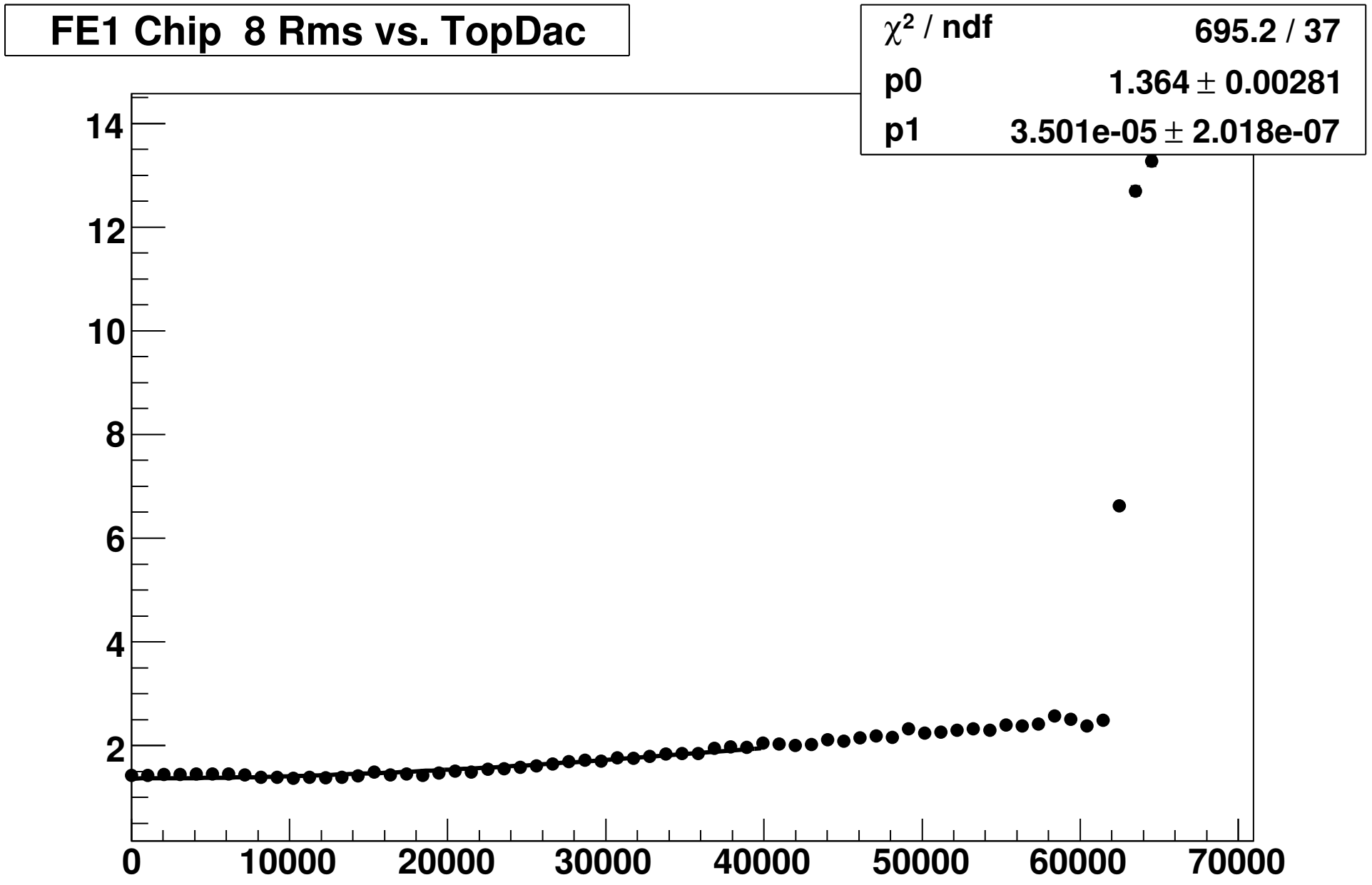

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.057e+05 / 37
p0 17.54 ± 0.005126
p1 0.4518 ± 2.415e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

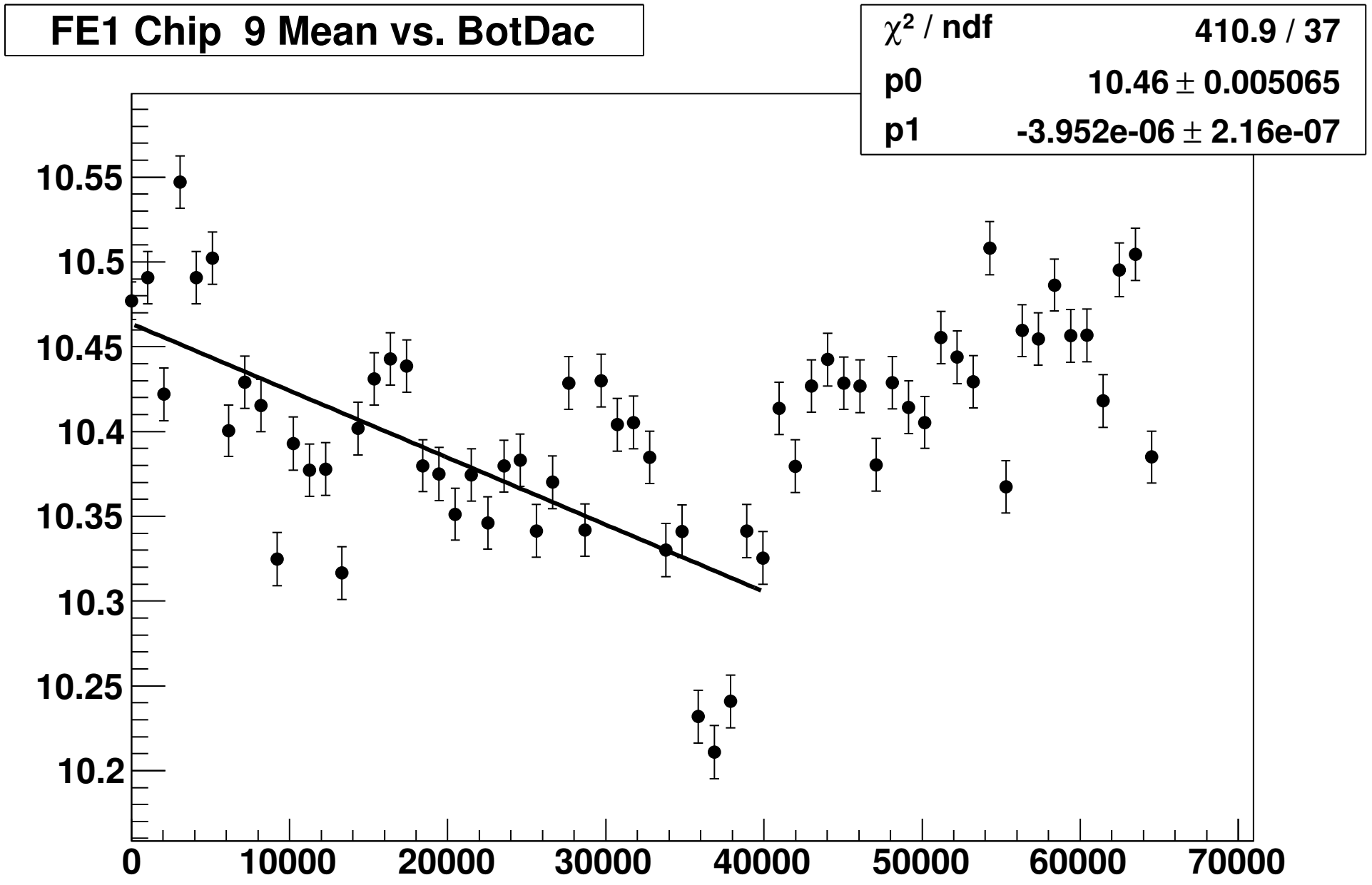

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 866.8 / 37
p0 1.363 ± 0.002807
p1 3.484e-05 ± 2.021e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

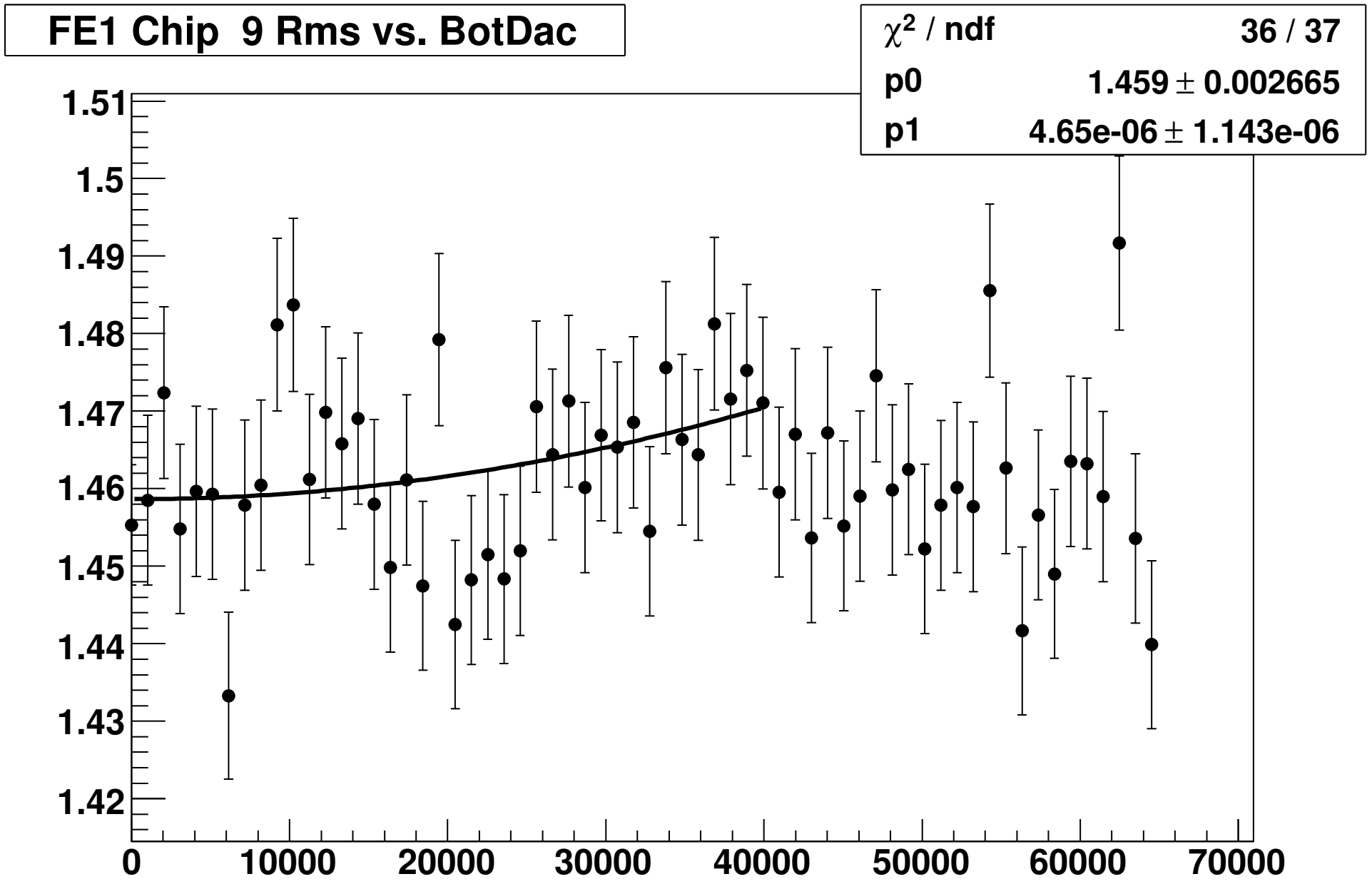

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 382.7 / 37
p0 6.274 ± 0.004994
p1 -4.016e-06 ± 2.129e-07
6.4
6.35
6.3
6.25
6.2
6.15
6.1
6.05
6
0
10000
20000
30000
40000
50000
60000
70000

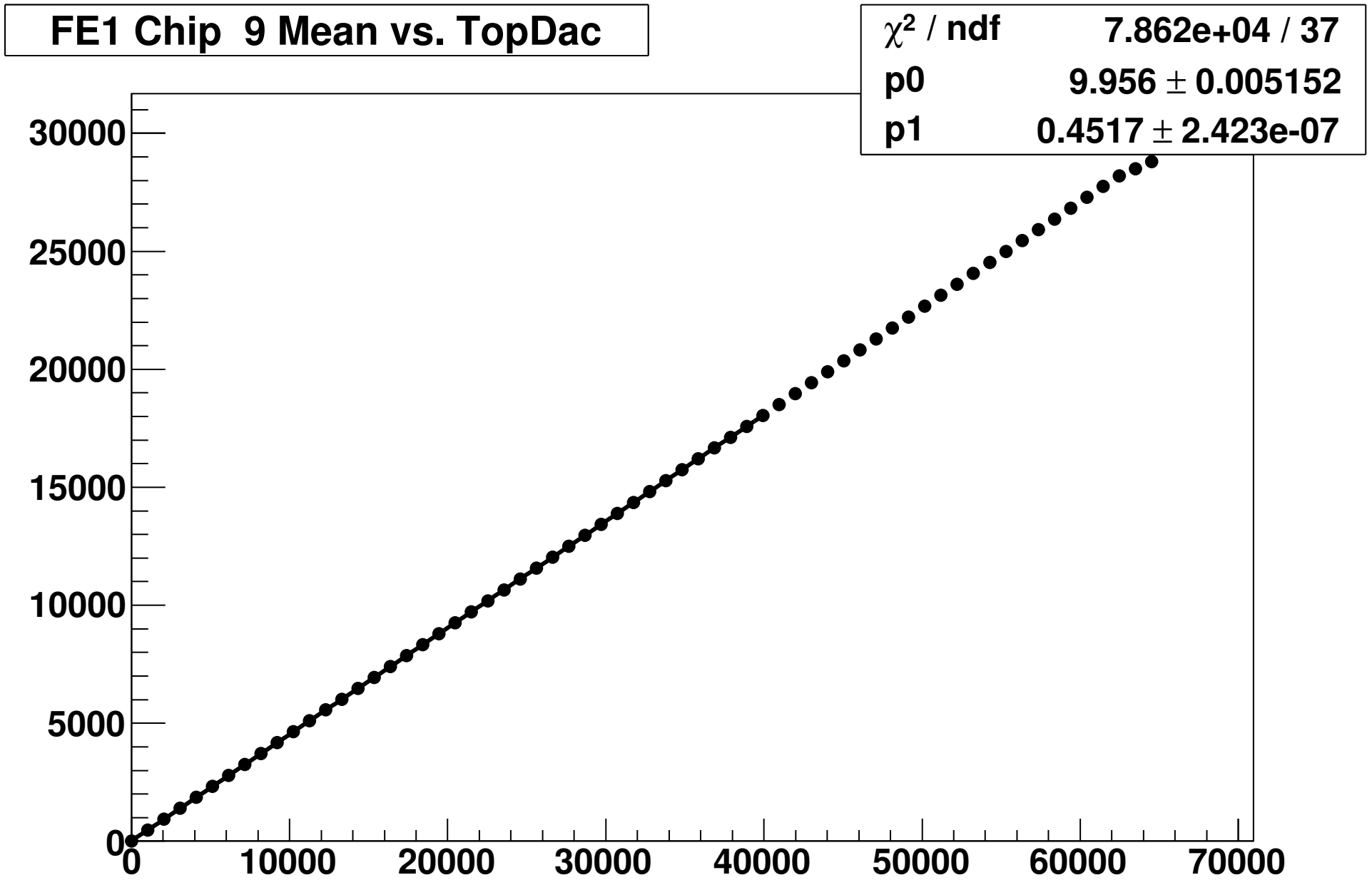

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 36.14 / 37
p0 1.441 ± 0.002636
p1 4.238e-06 ± 1.223e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

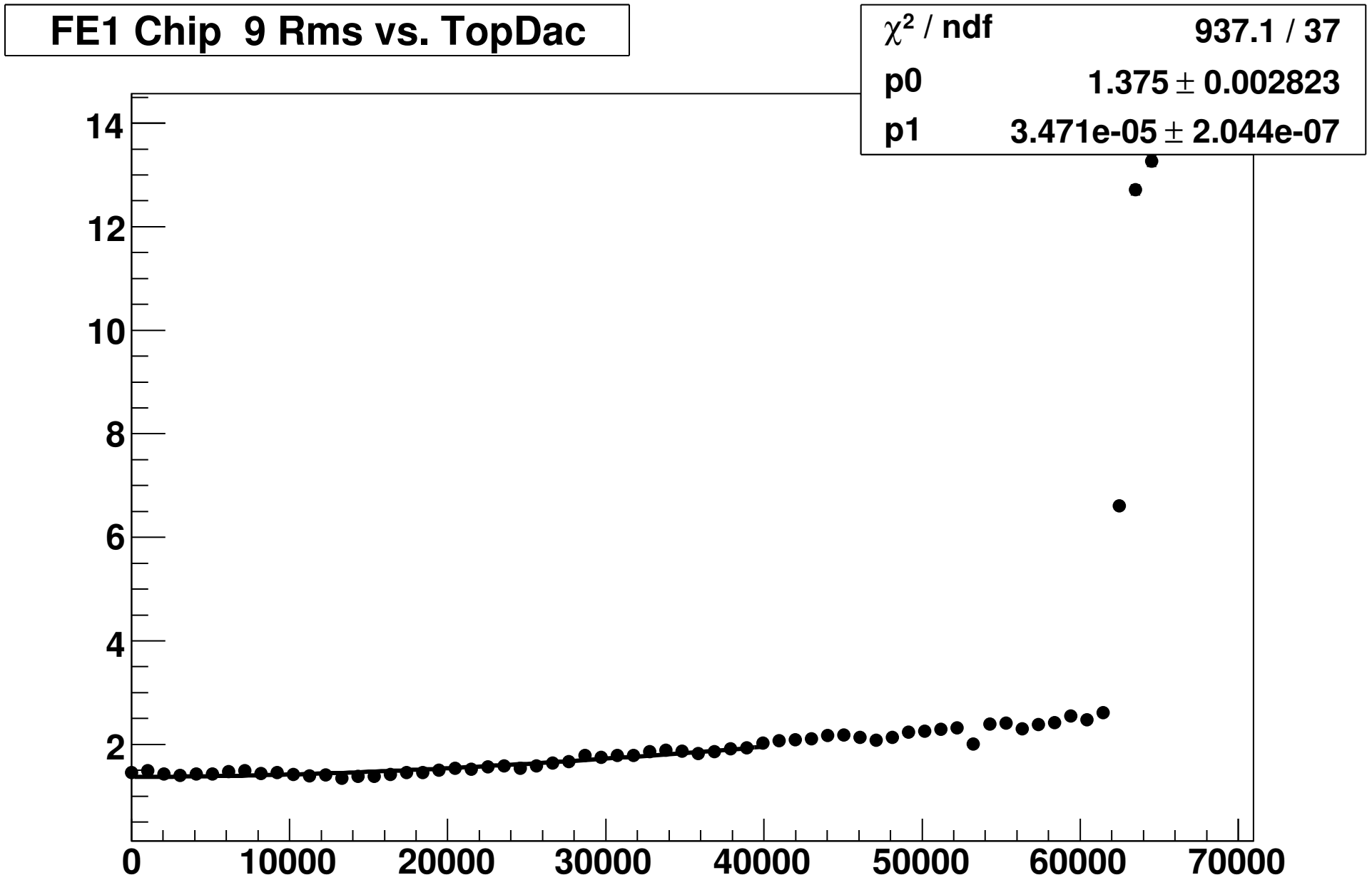

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 9.535e+04 / 37
p0 5.773 ± 0.005126
p1 0.4517 ± 2.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

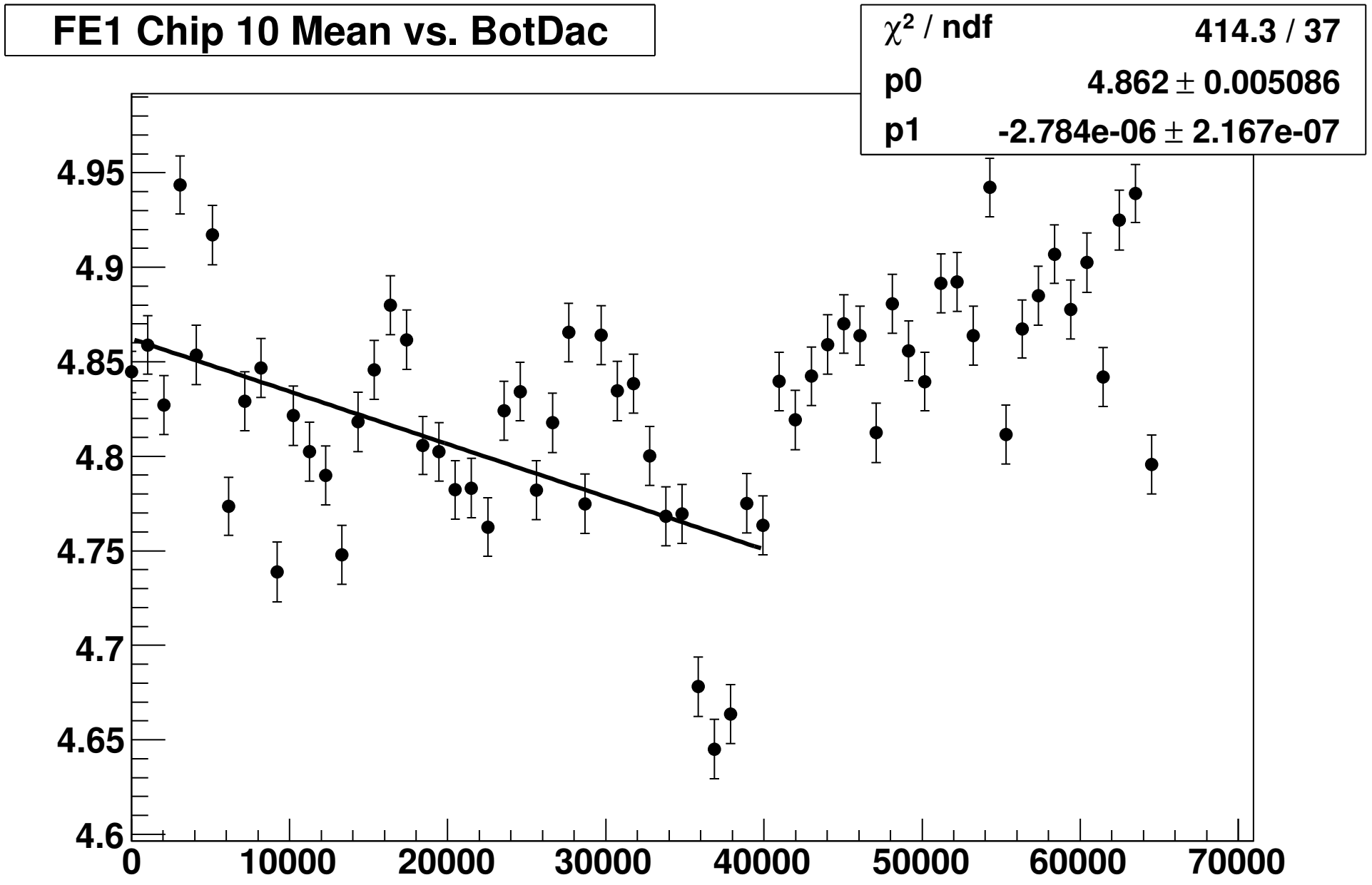

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 695.2 / 37
p0 1.364 ± 0.00281
p1 3.501e-05 ± 2.018e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

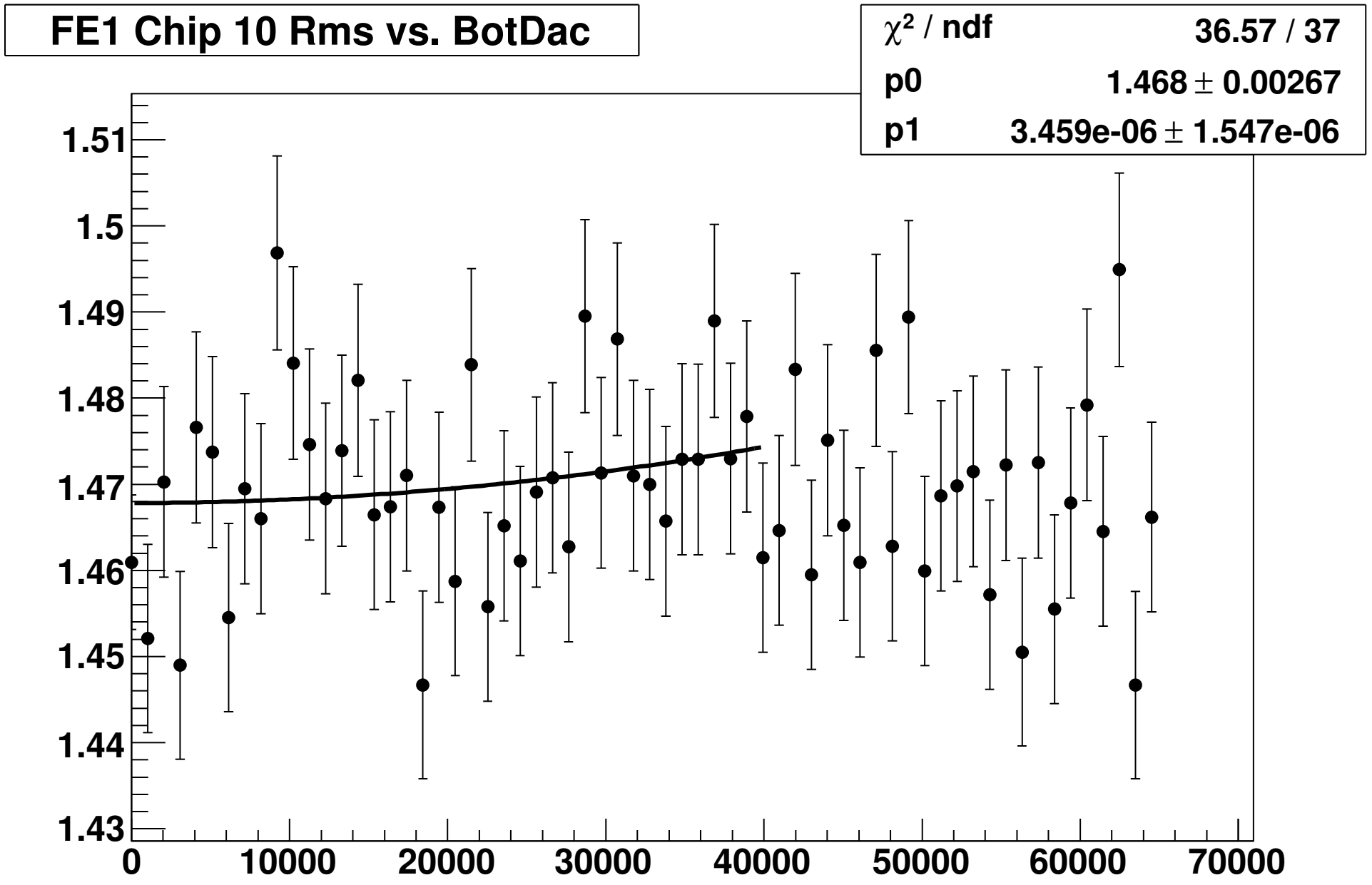

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 410.9 / 37
p0 10.46 ± 0.005065
p1 -3.952e-06 ± 2.16e-07
10.55
10.5
10.45
10.4
10.35
10.3
10.25
10.2
0
10000
20000
30000
40000
50000
60000
70000

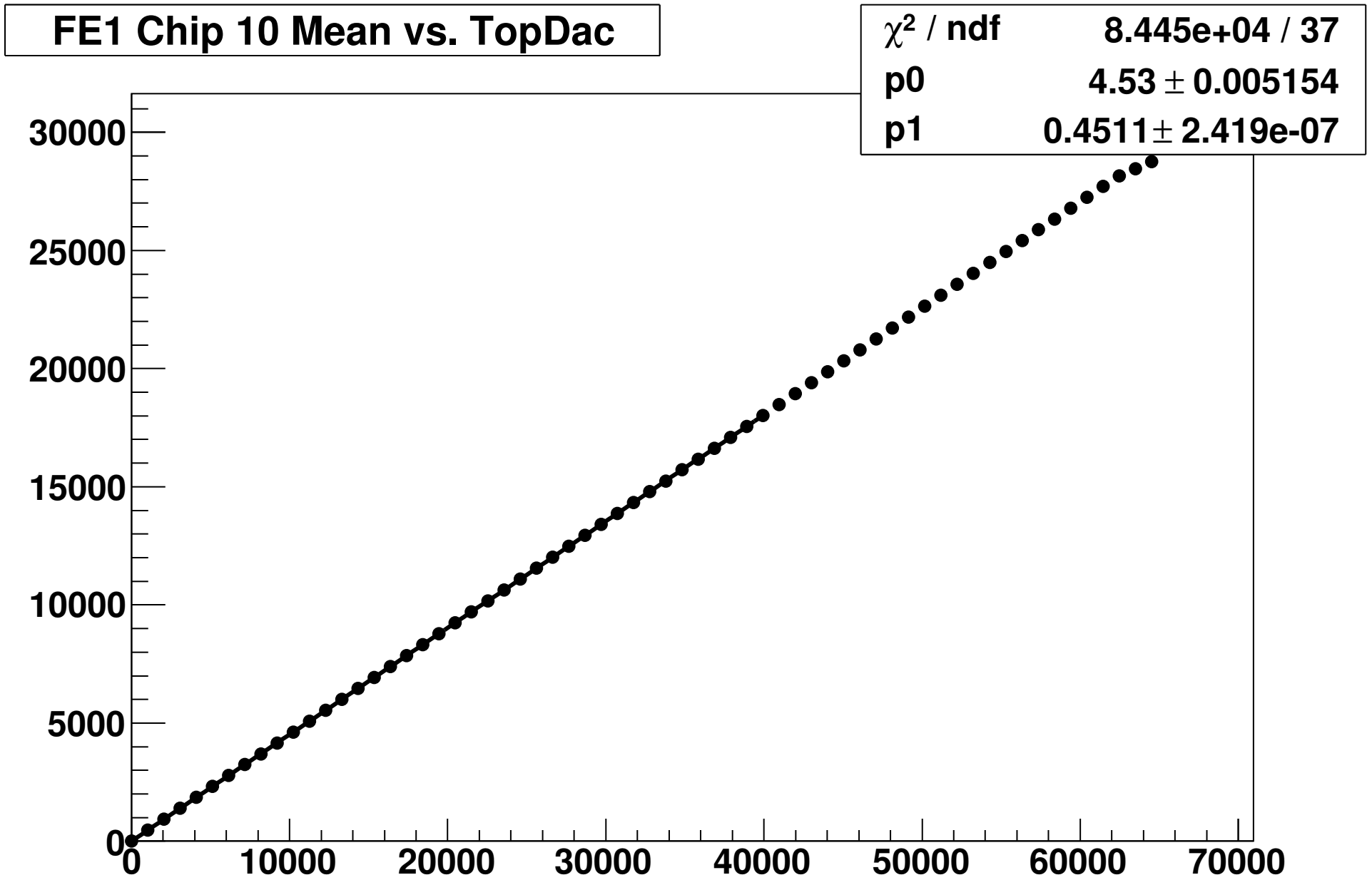

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 36 / 37
p0 1.459 ± 0.002665
p1 4.65e-06 ± 1.143e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

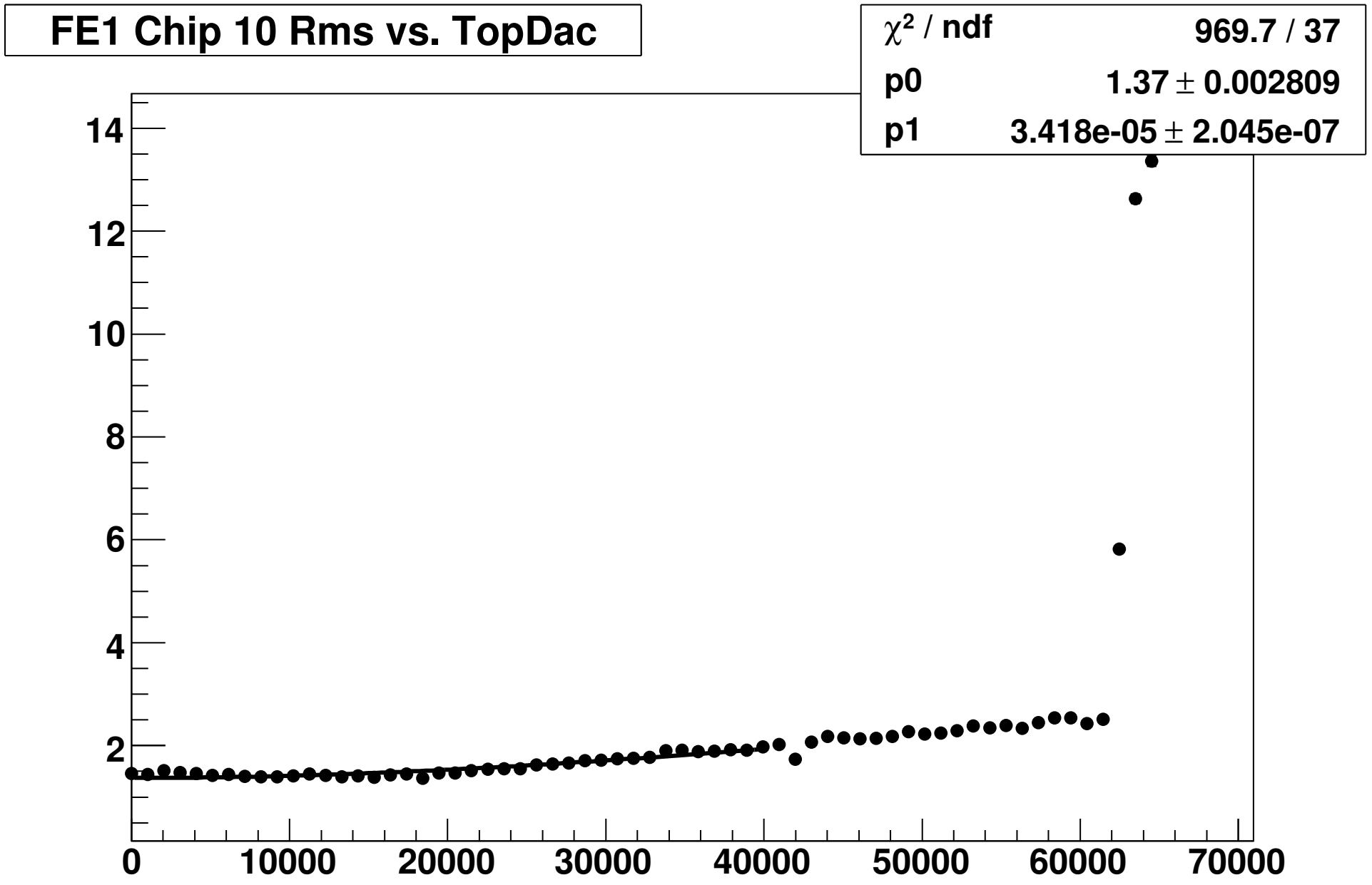

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 7.862e+04 / 37
p0 9.956 ± 0.005152
p1 0.4517 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

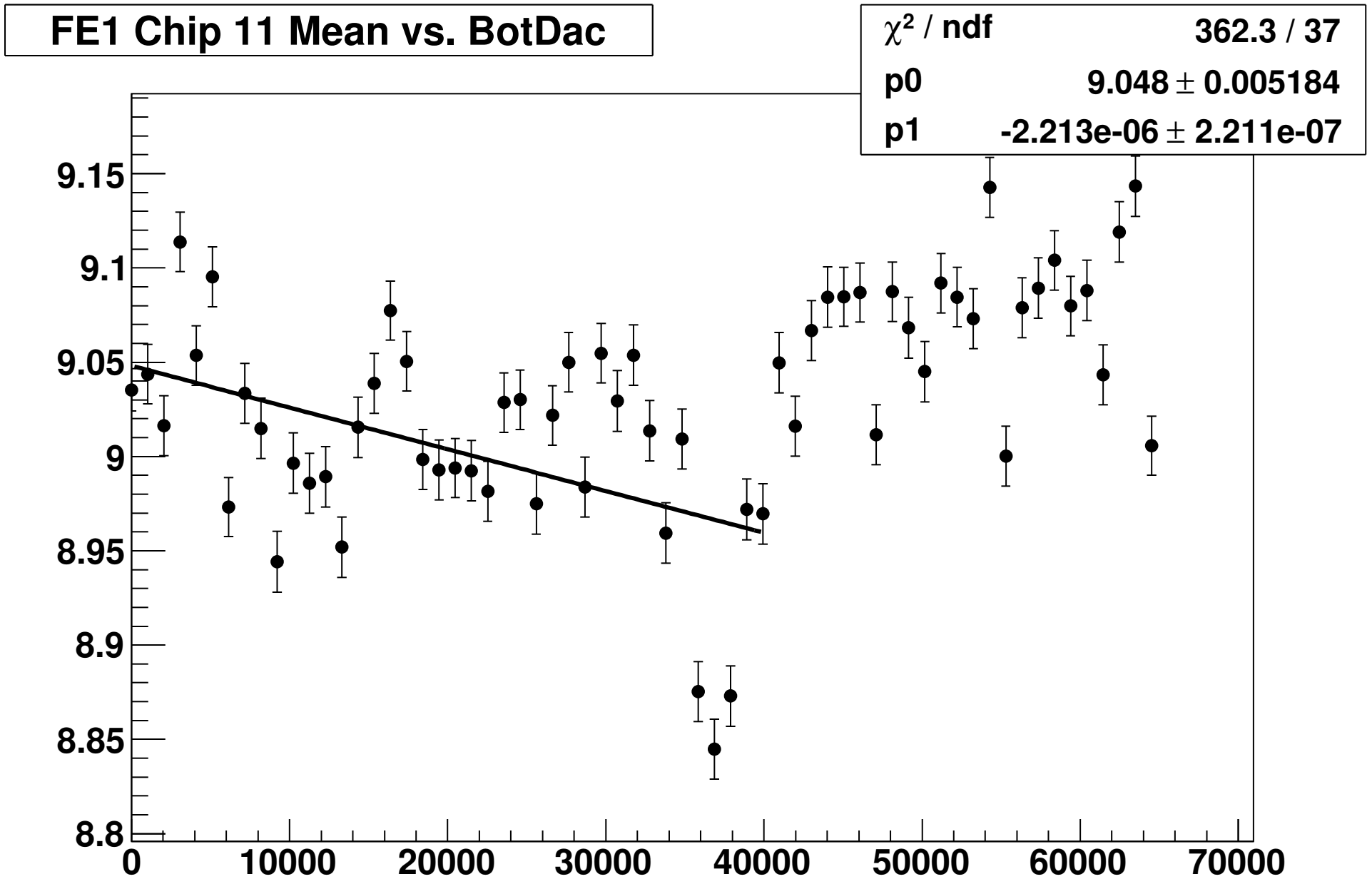

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 937.1 / 37
p0 1.375 ± 0.002823
p1 3.471e-05 ± 2.044e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

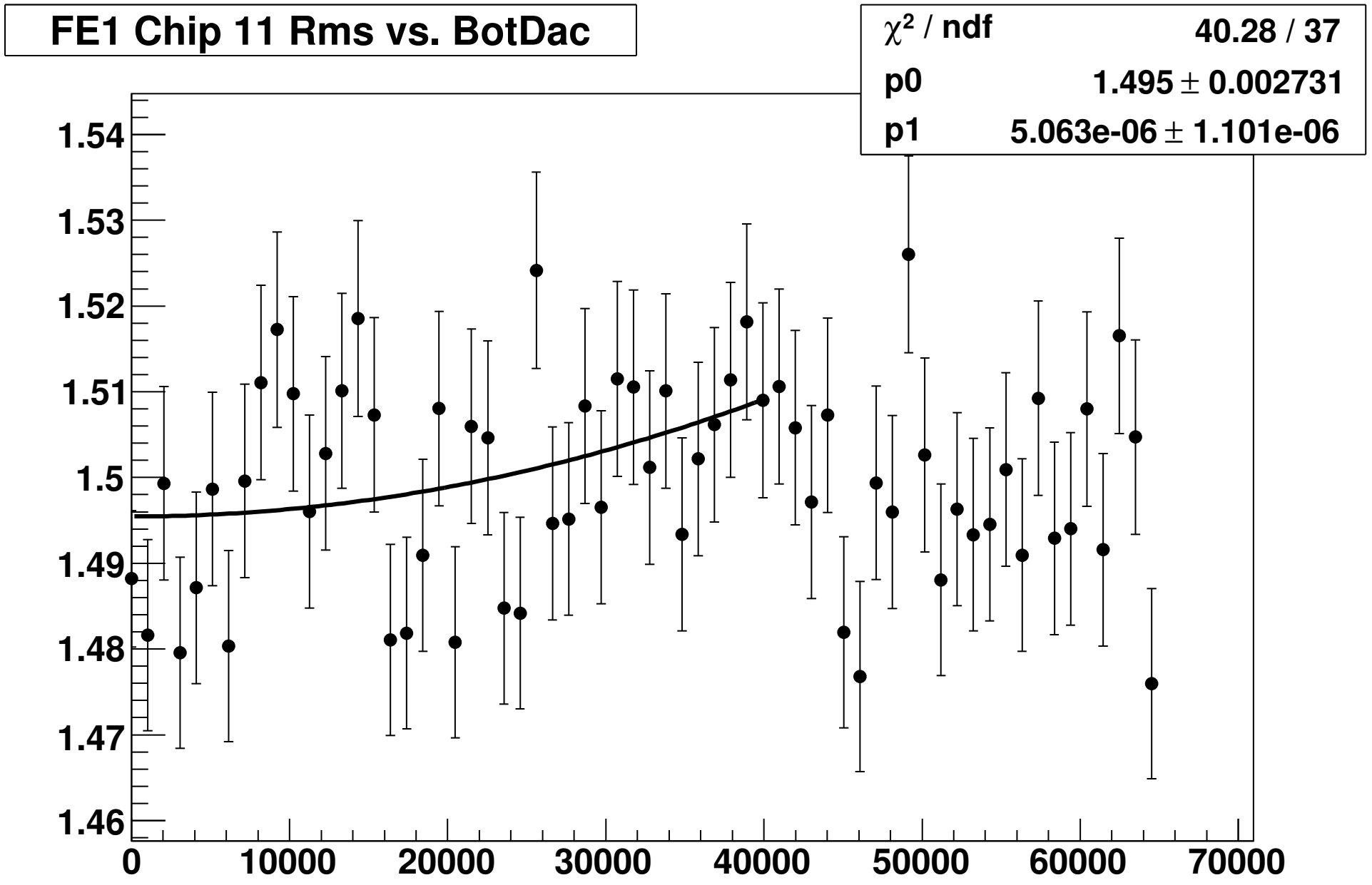

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 414.3 / 37
p0 4.862 ± 0.005086
p1 -2.784e-06 ± 2.167e-07
4.95
4.9
4.85
4.8
4.75
4.7
4.65
4.6
0
10000
20000
30000
40000
50000
60000
70000

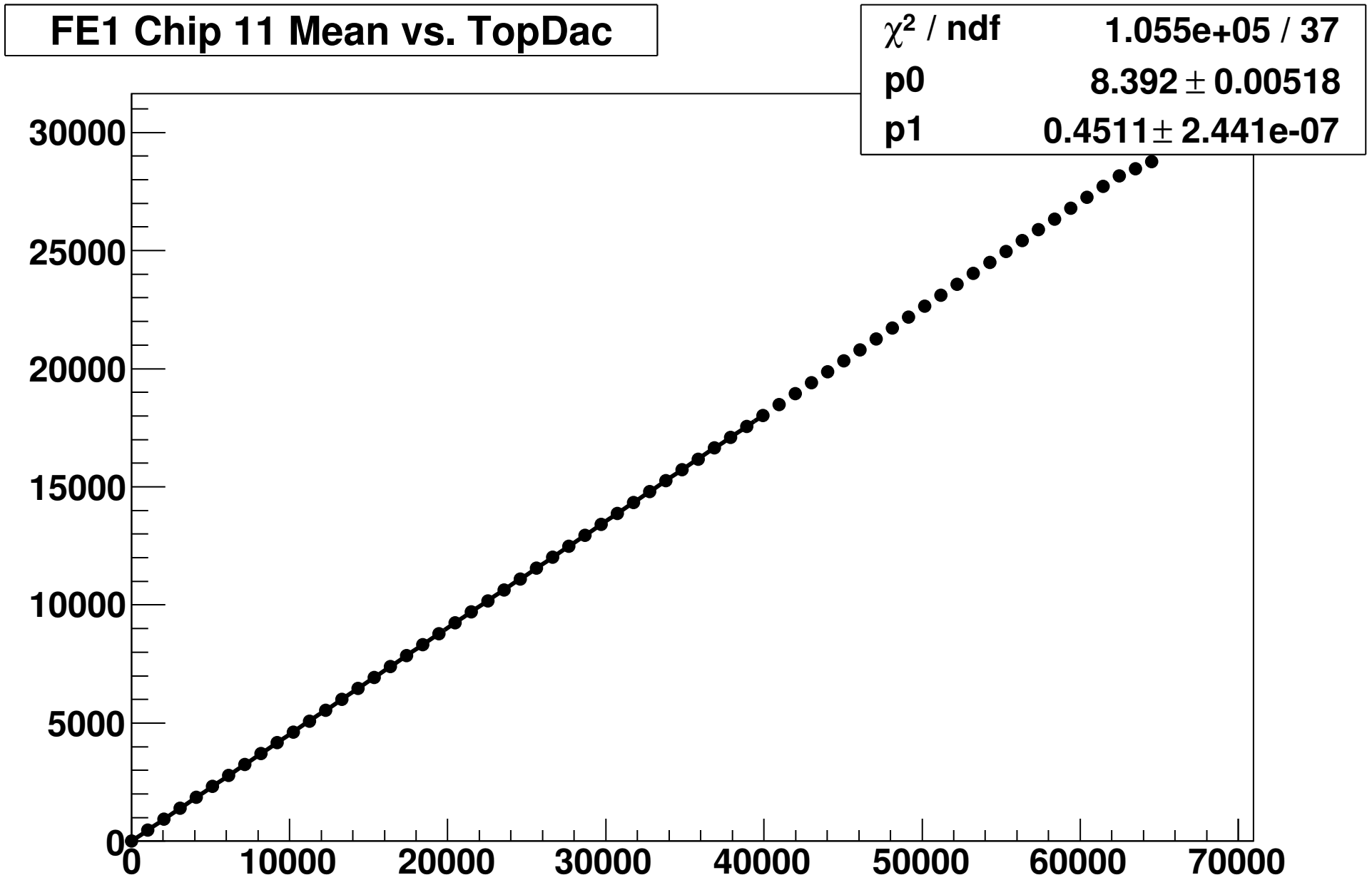

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 36.57 / 37
p0 1.468 ± 0.00267
p1 3.459e-06 ± 1.547e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

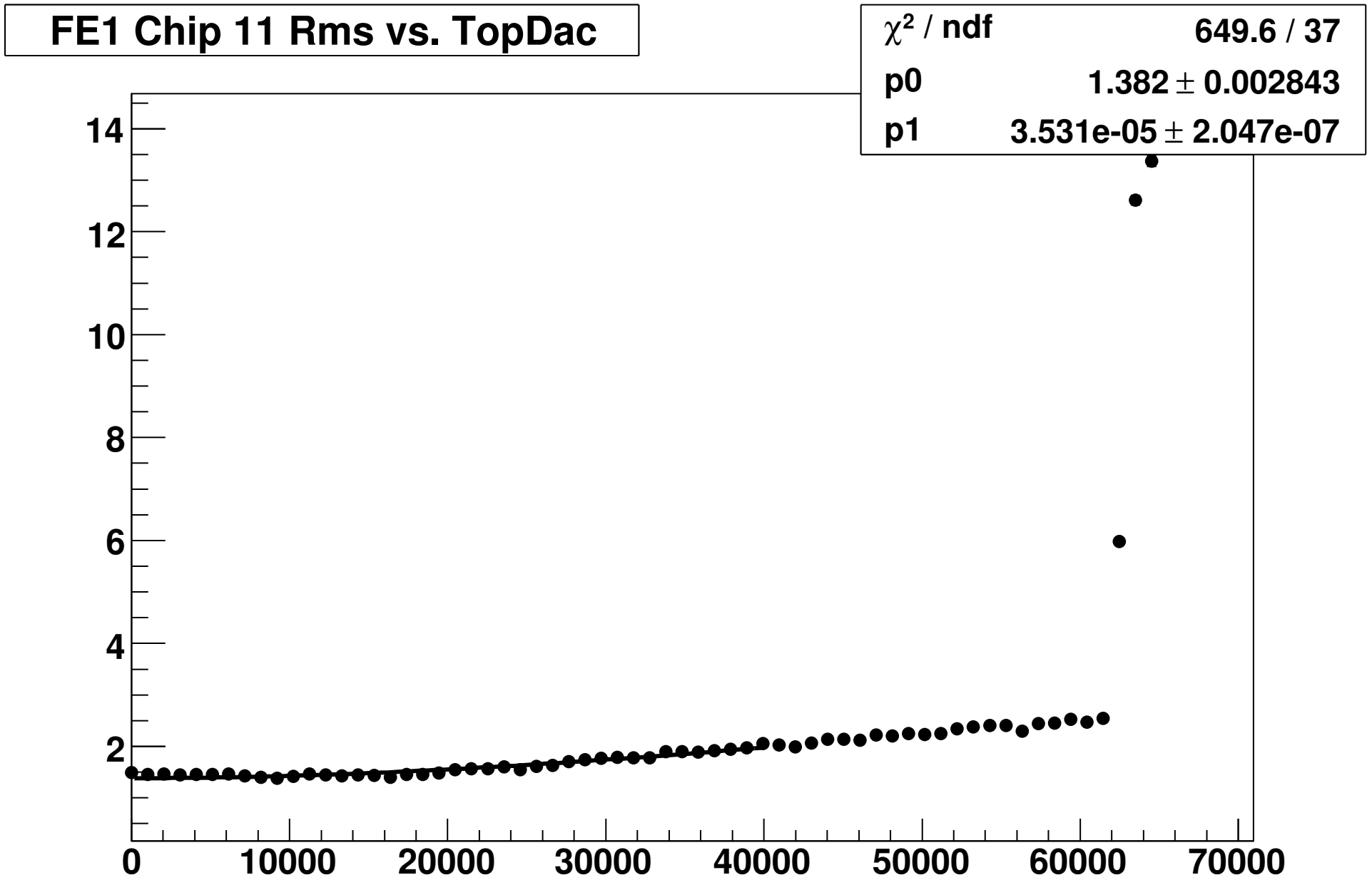

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.445e+04 / 37
p0 4.53 ± 0.005154
p1 0.4511 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

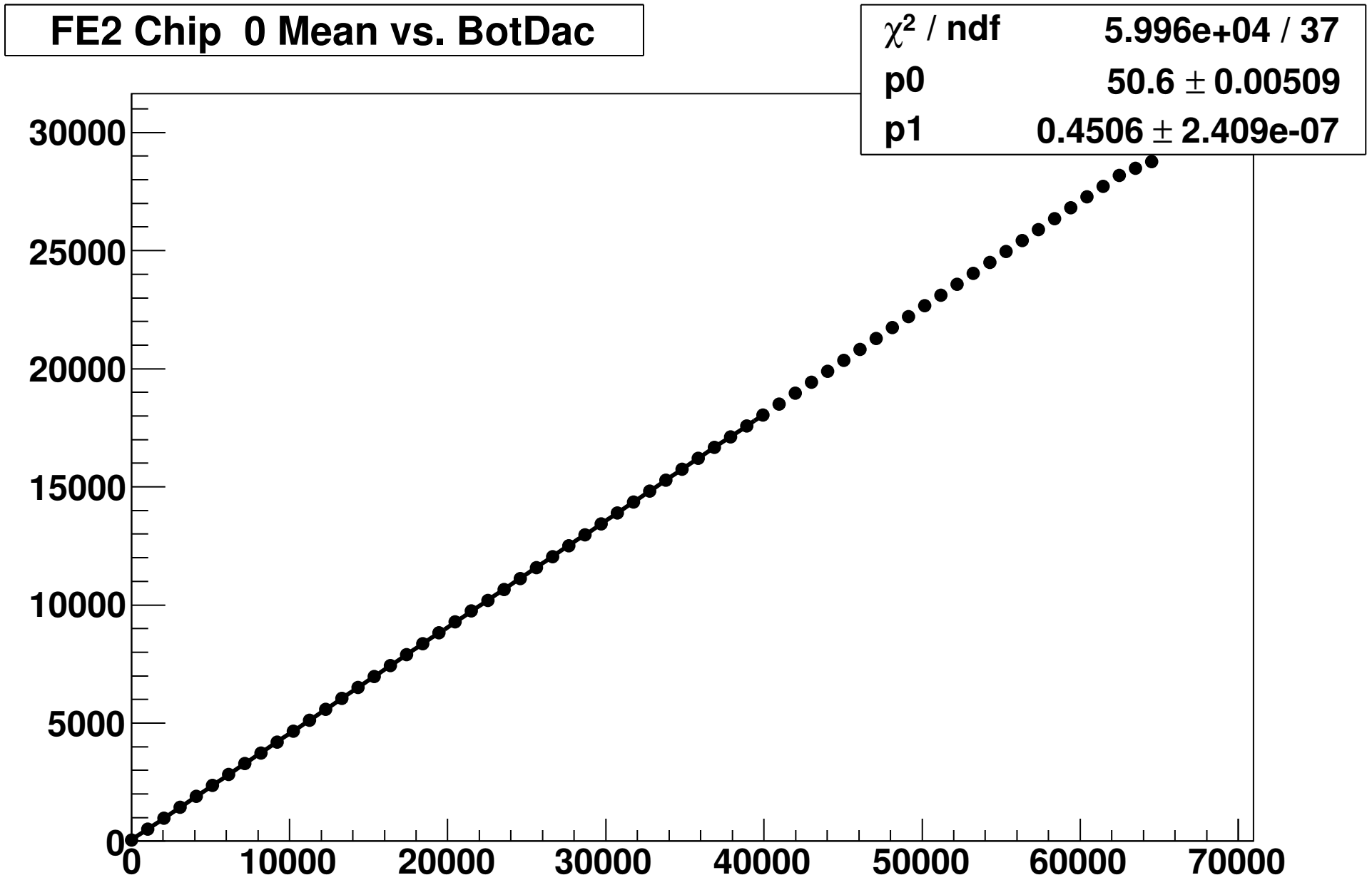

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 969.7 / 37
p0 1.37 ± 0.002809
p1 3.418e-05 ± 2.045e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

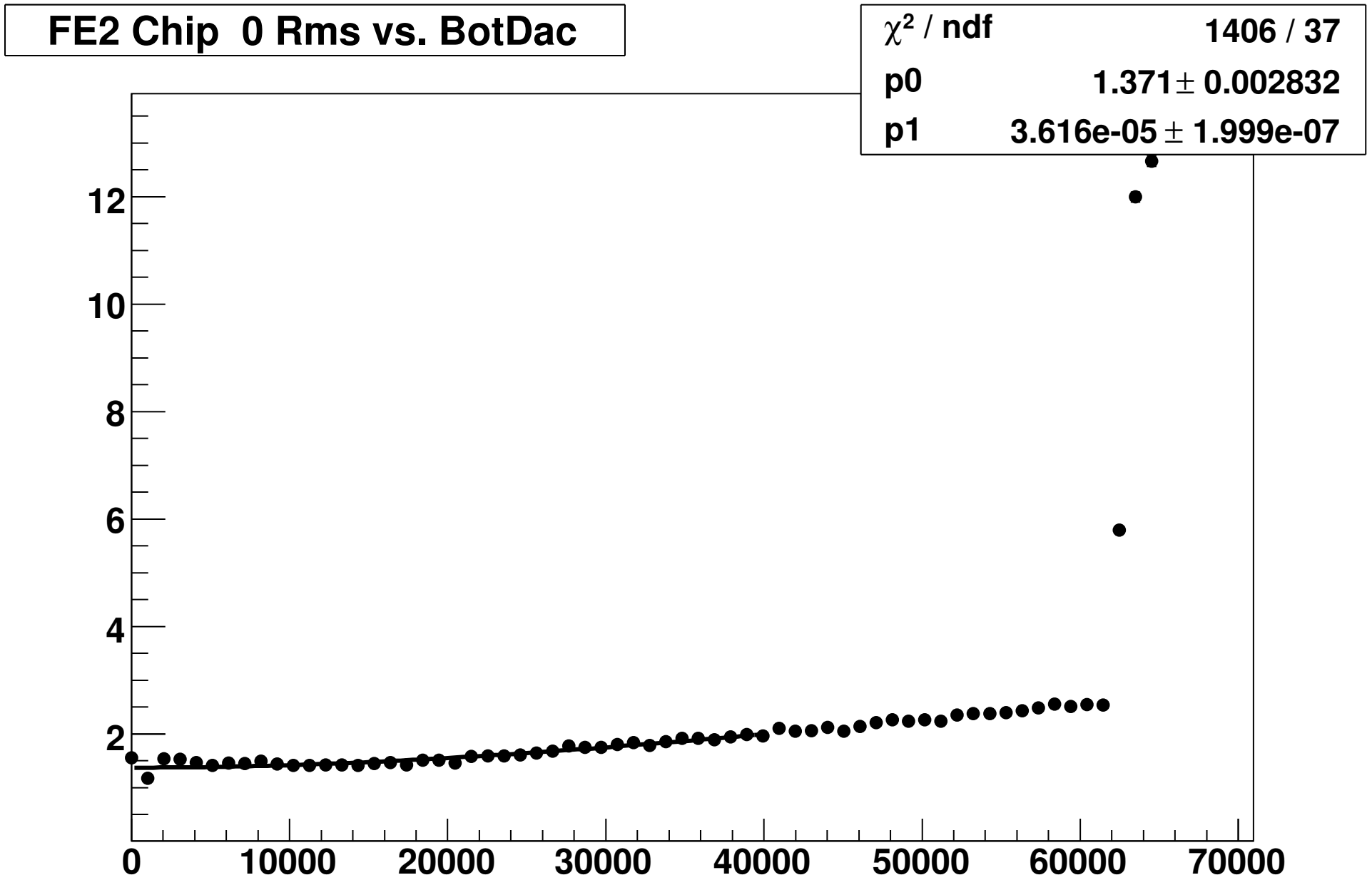

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 362.3 / 37
p0 9.048 ± 0.005184
p1 -2.213e-06 ± 2.211e-07
9.15
9.1
9.05
9
8.95
8.9
8.85
8.8
0
10000
20000
30000
40000
50000
60000
70000

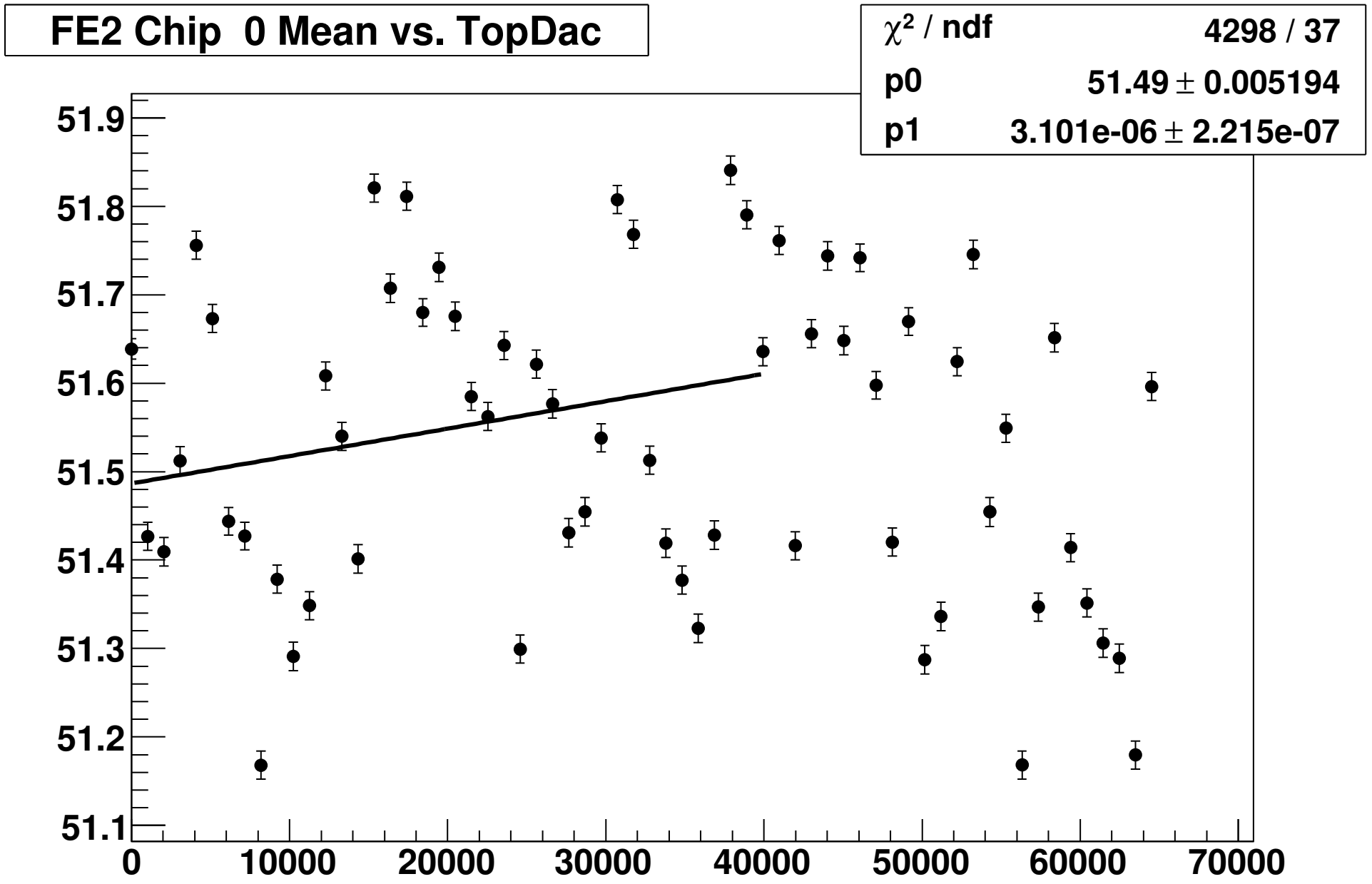

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 40.28 / 37
p0 1.495 ± 0.002731
p1 5.063e-06 ± 1.101e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

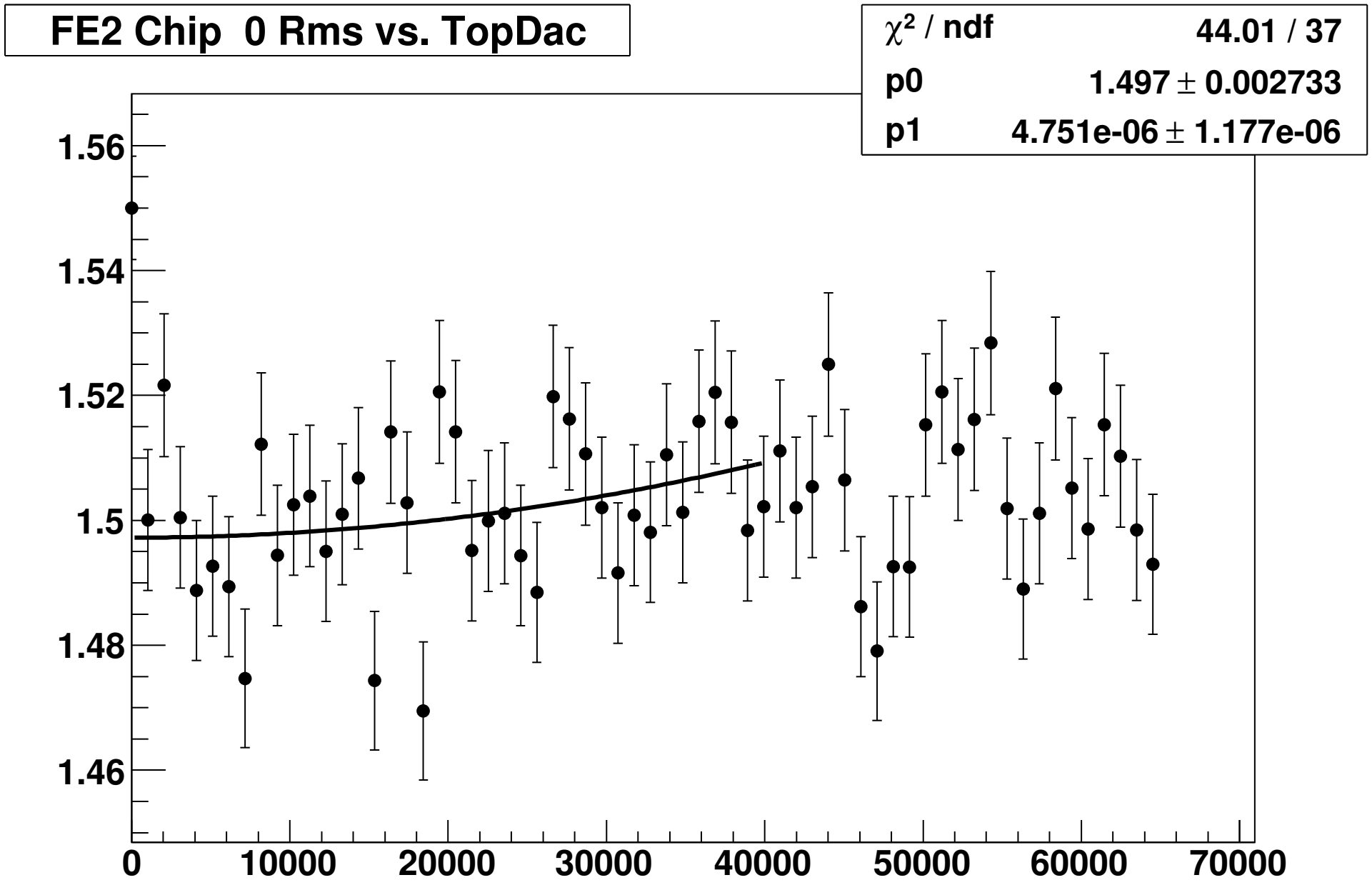

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.055e+05 / 37
p0 8.392 ± 0.00518
p1 0.4511 ± 2.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

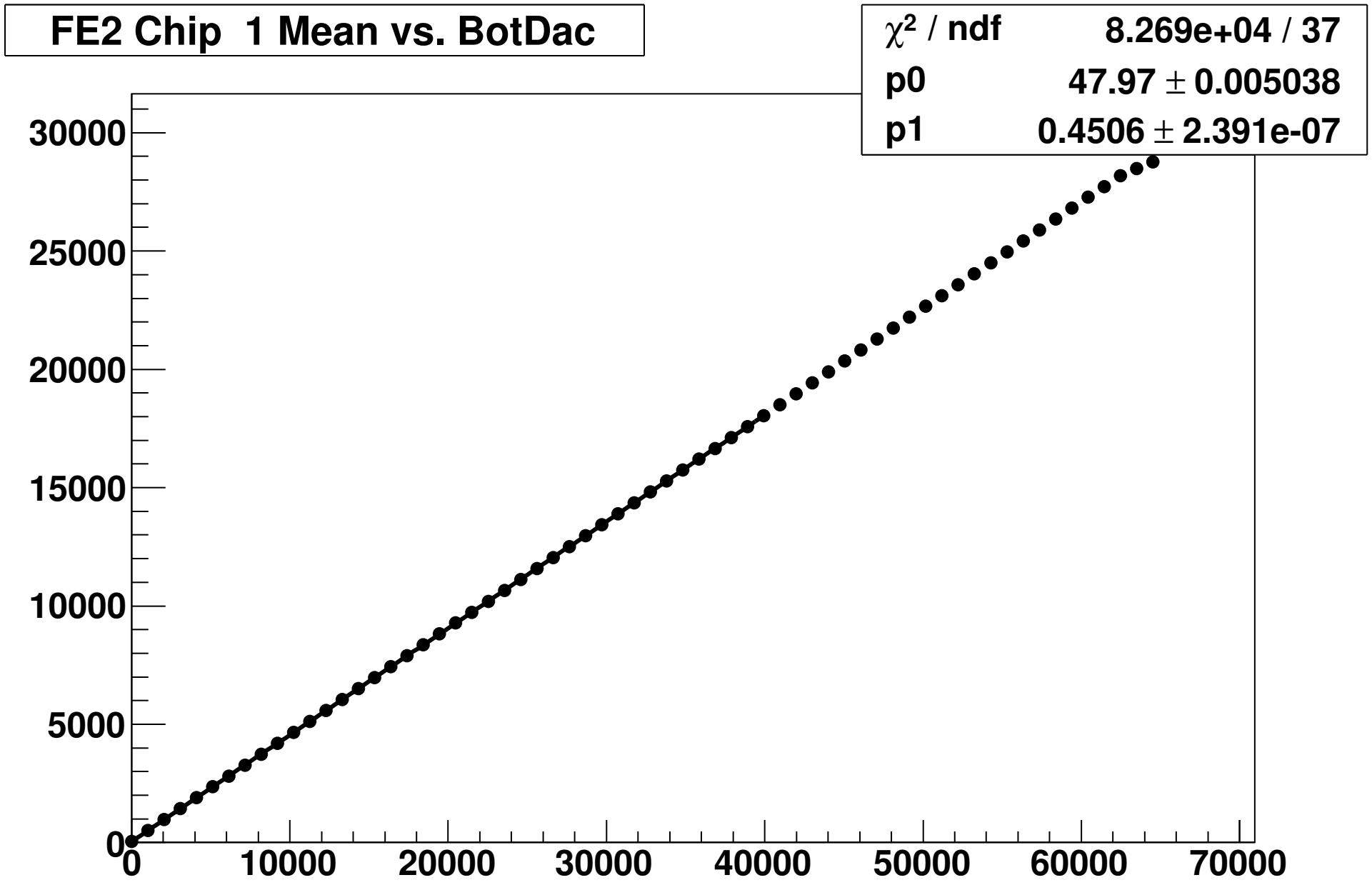

FE1 Chip 11 Rms vs. TopDac
χ² / ndf 649.6 / 37
p0 1.382 ± 0.002843
p1 3.531e-05 ± 2.047e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

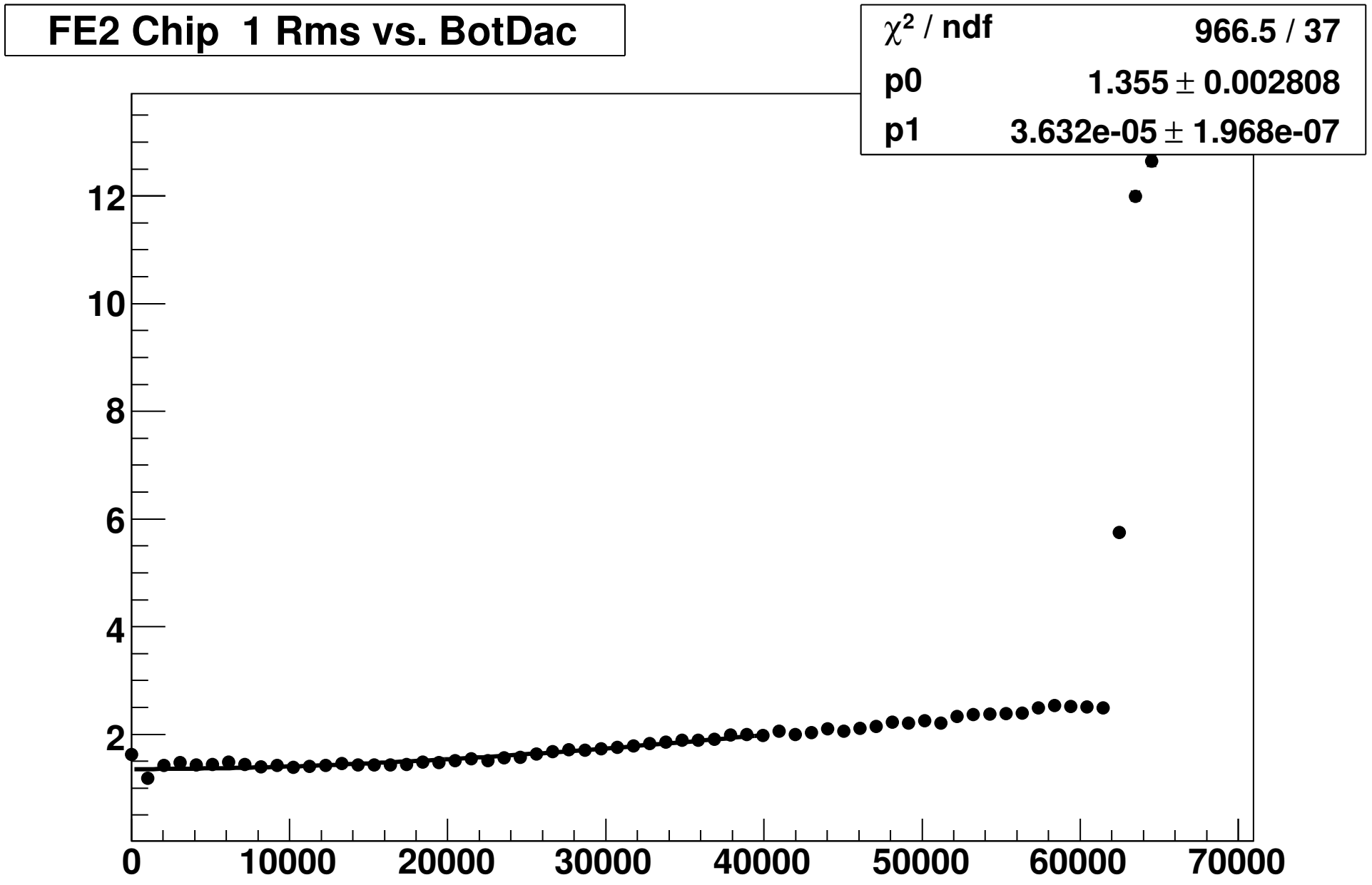

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 5.996e+04 / 37
p0 50.6 ± 0.00509
p1 0.4506 ± 2.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

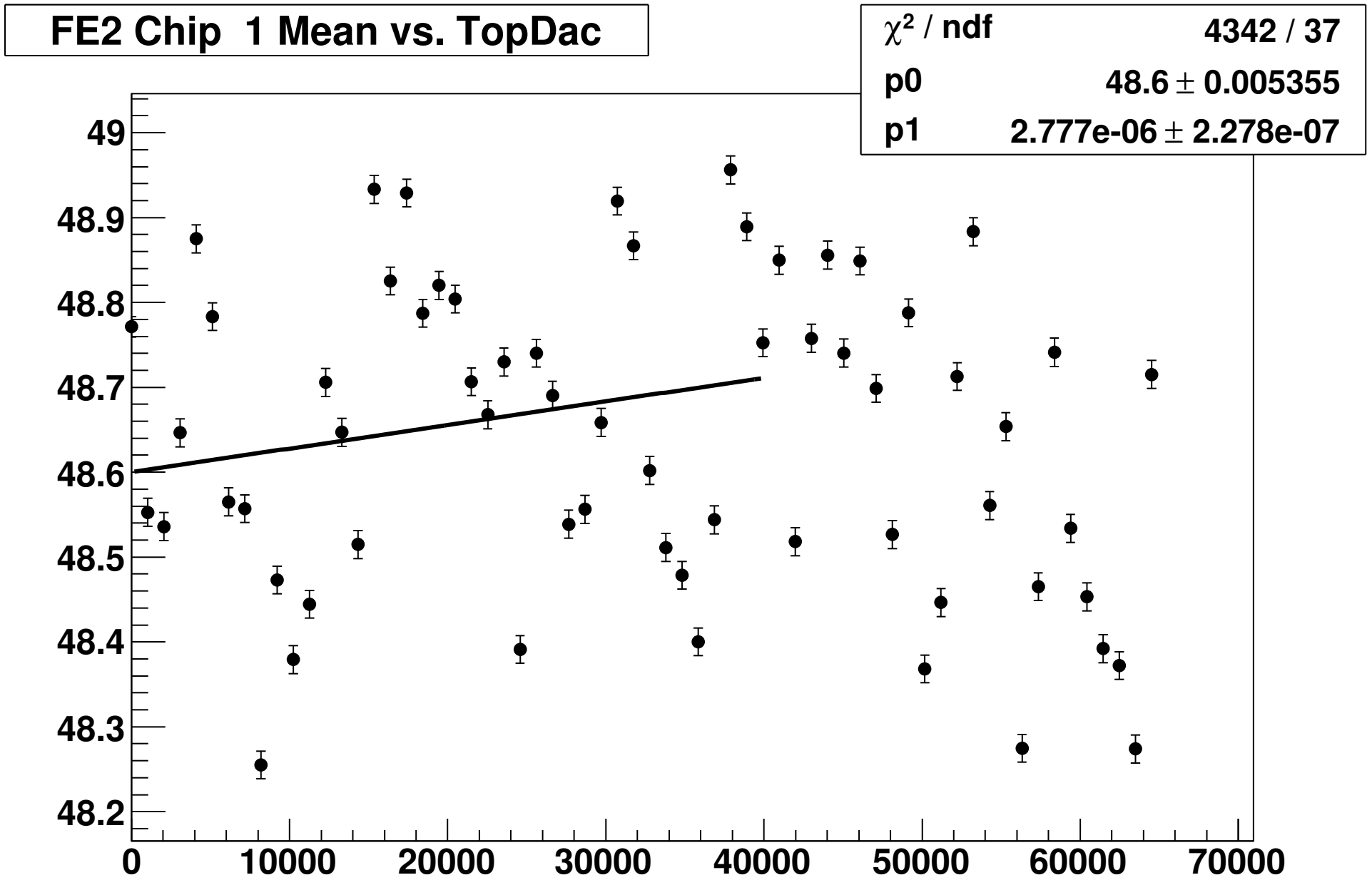

FE2 Chip 0 Rms vs. BotDac
χ² / ndf 1406 / 37
p0 1.371 ± 0.002832
p1 3.616e-05 ± 1.999e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

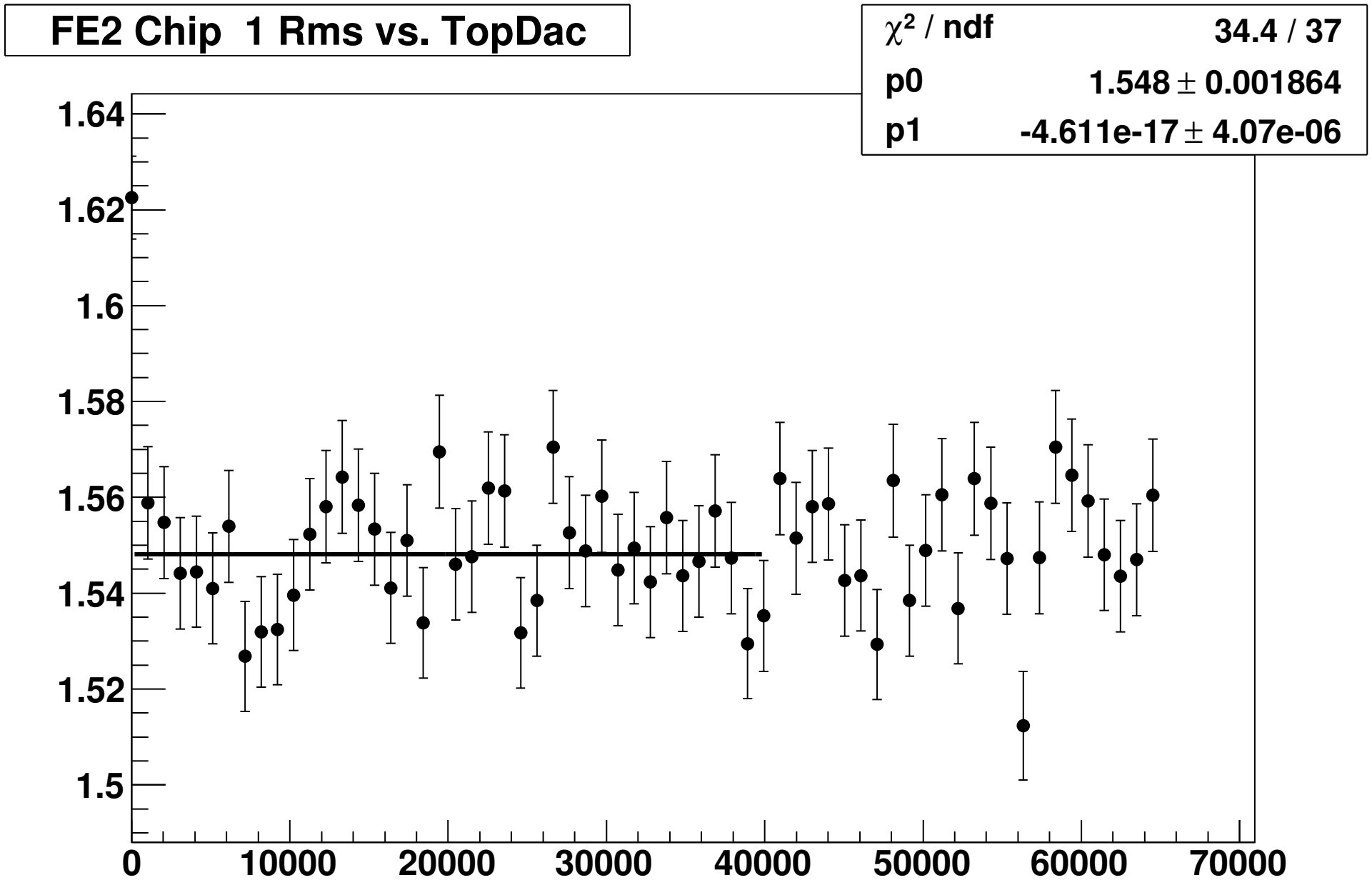

FE2 Chip 0 Mean vs. TopDac
χ² / ndf 4298 / 37
p0 51.49 ± 0.005194
p1 3.101e-06 ± 2.215e-07
51.9
51.8
51.7
51.6
51.5
51.4
51.3
51.2
51.1
0
10000
20000
30000
40000
50000
60000
70000

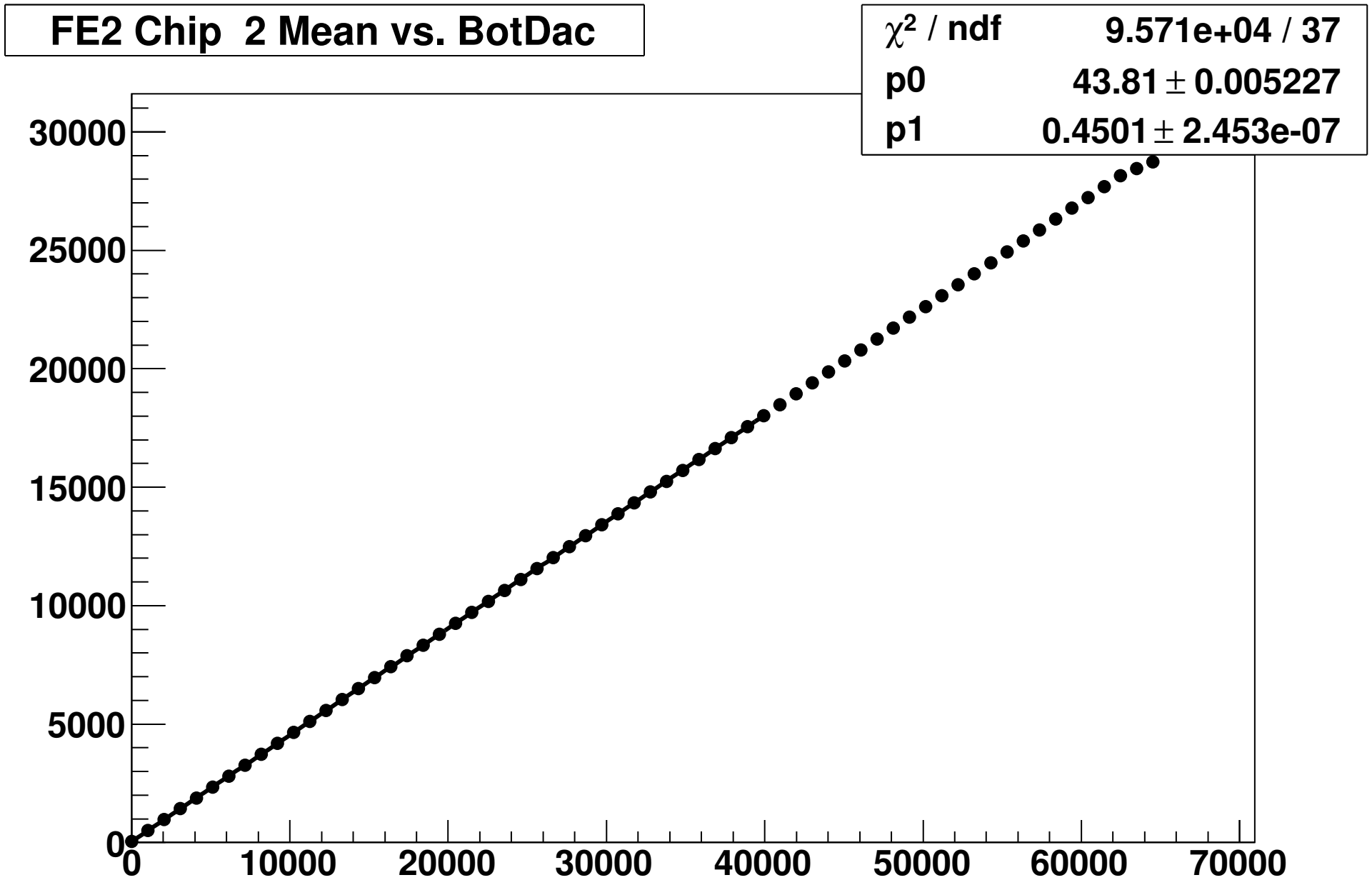

FE2 Chip 0 Rms vs. TopDac
χ² / ndf 44.01 / 37
p0 1.497 ± 0.002733
p1 4.751e-06 ± 1.177e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

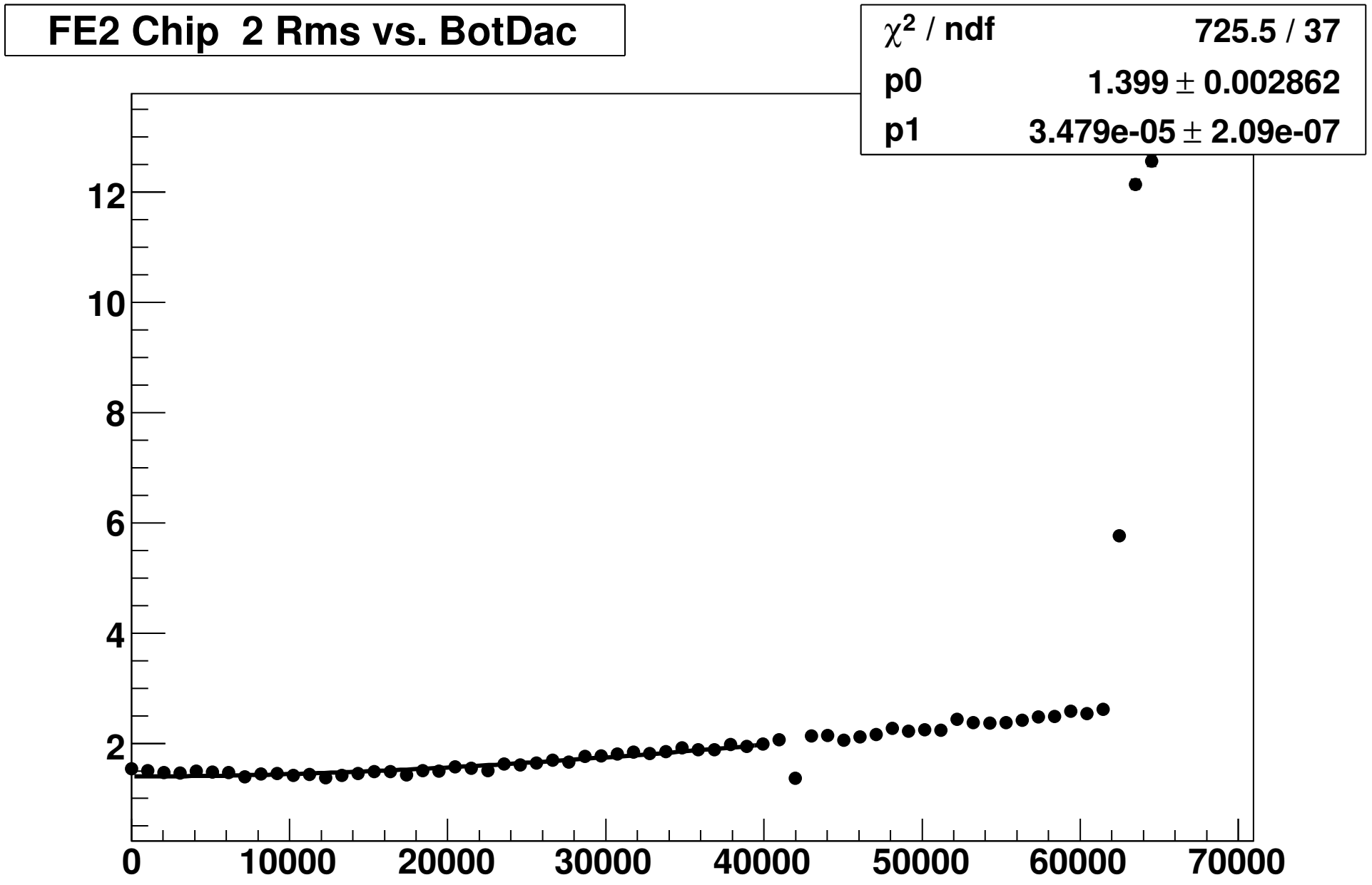

FE2 Chip 1 Mean vs. BotDac
χ² / ndf 8.269e+04 / 37
p0 47.97 ± 0.005038
p1 0.4506 ± 2.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

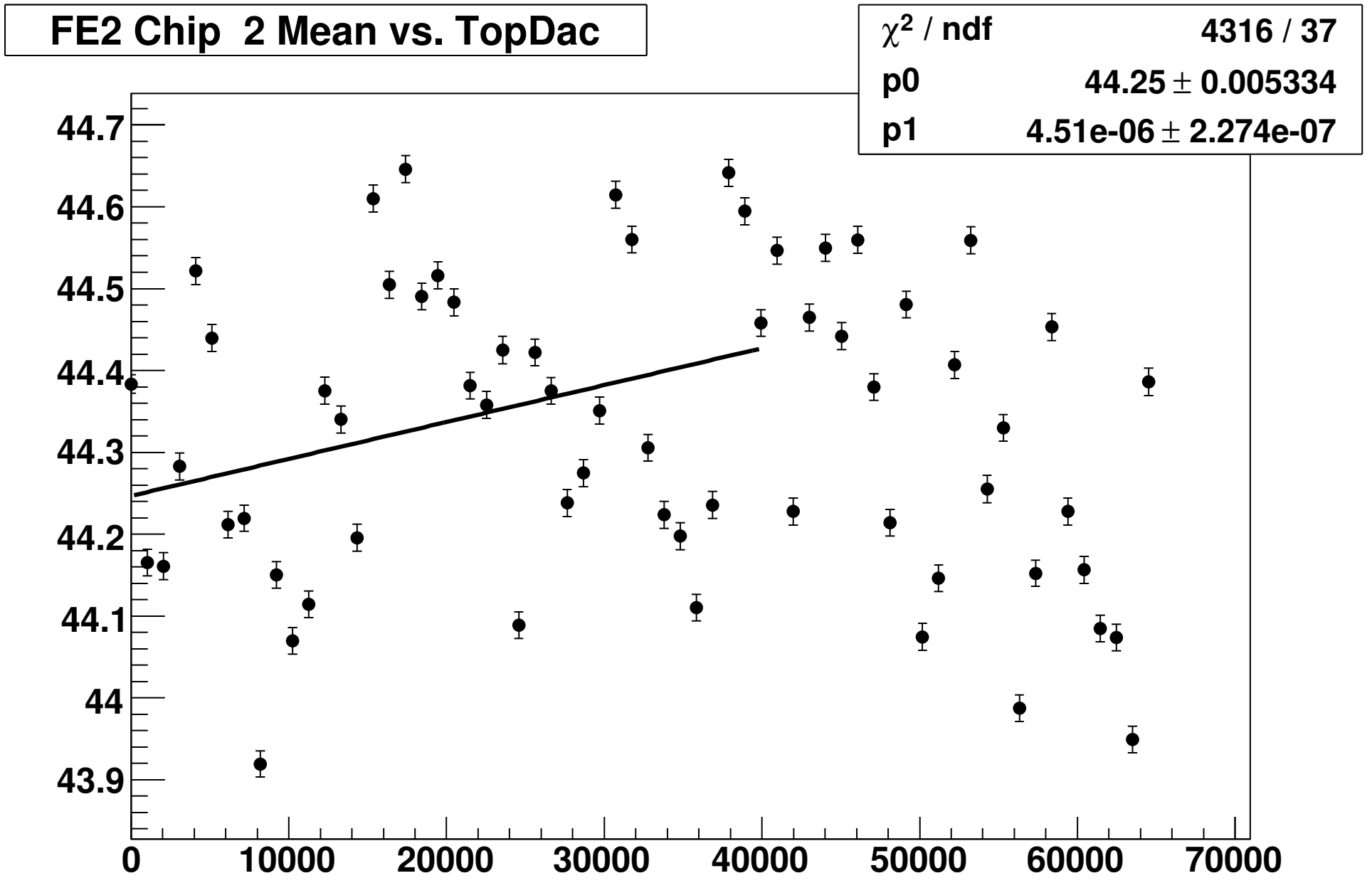

FE2 Chip 1 Rms vs. BotDac
χ² / ndf 966.5 / 37
p0 1.355 ± 0.002808
p1 3.632e-05 ± 1.968e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

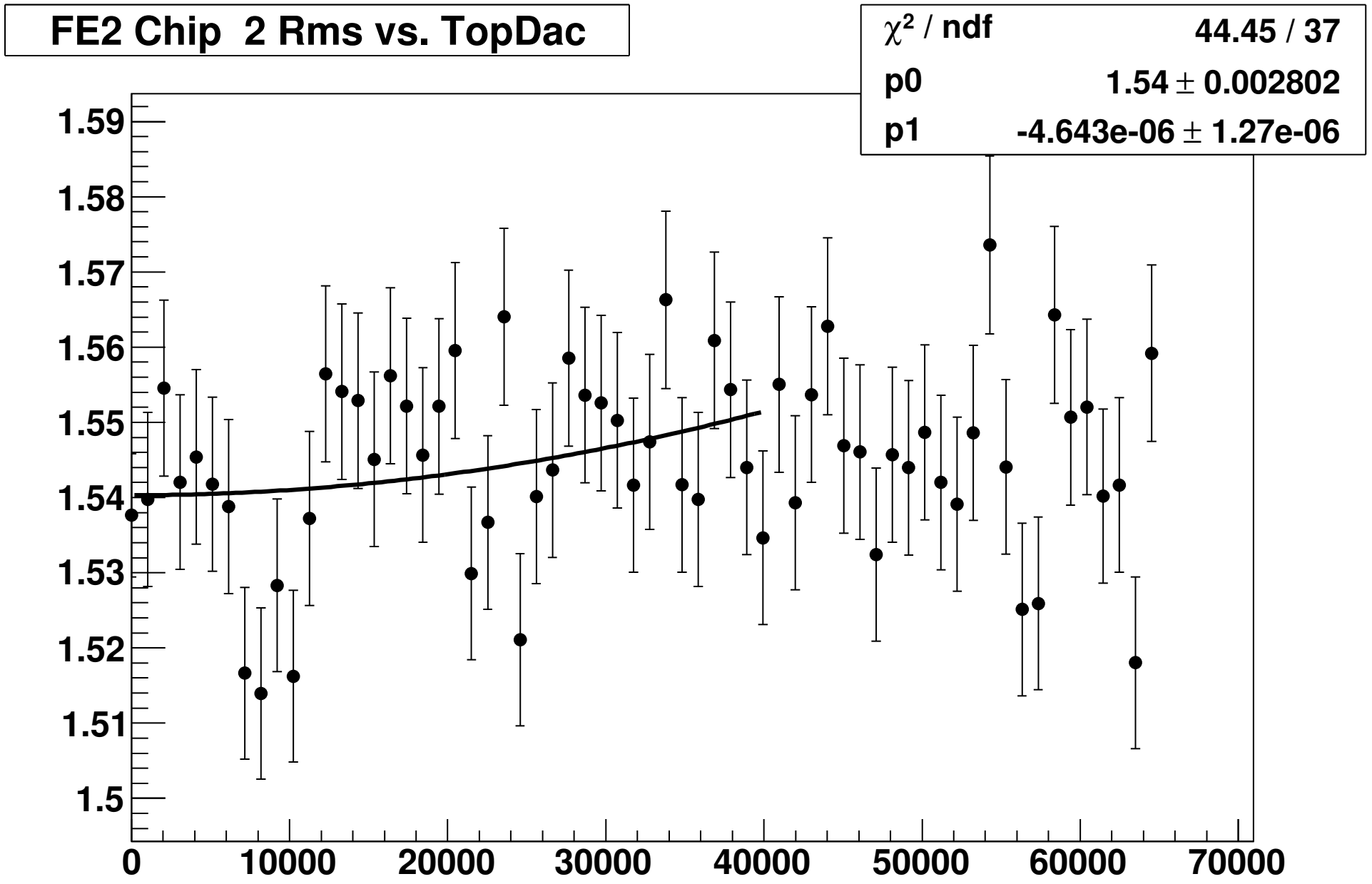

FE2 Chip 1 Mean vs. TopDac
χ² / ndf 4342 / 37
p0 48.6 ± 0.005355
p1 2.777e-06 ± 2.278e-07
49
48.9
48.8
48.7
48.6
48.5
48.4
48.3
48.2
0
10000
20000
30000
40000
50000
60000
70000

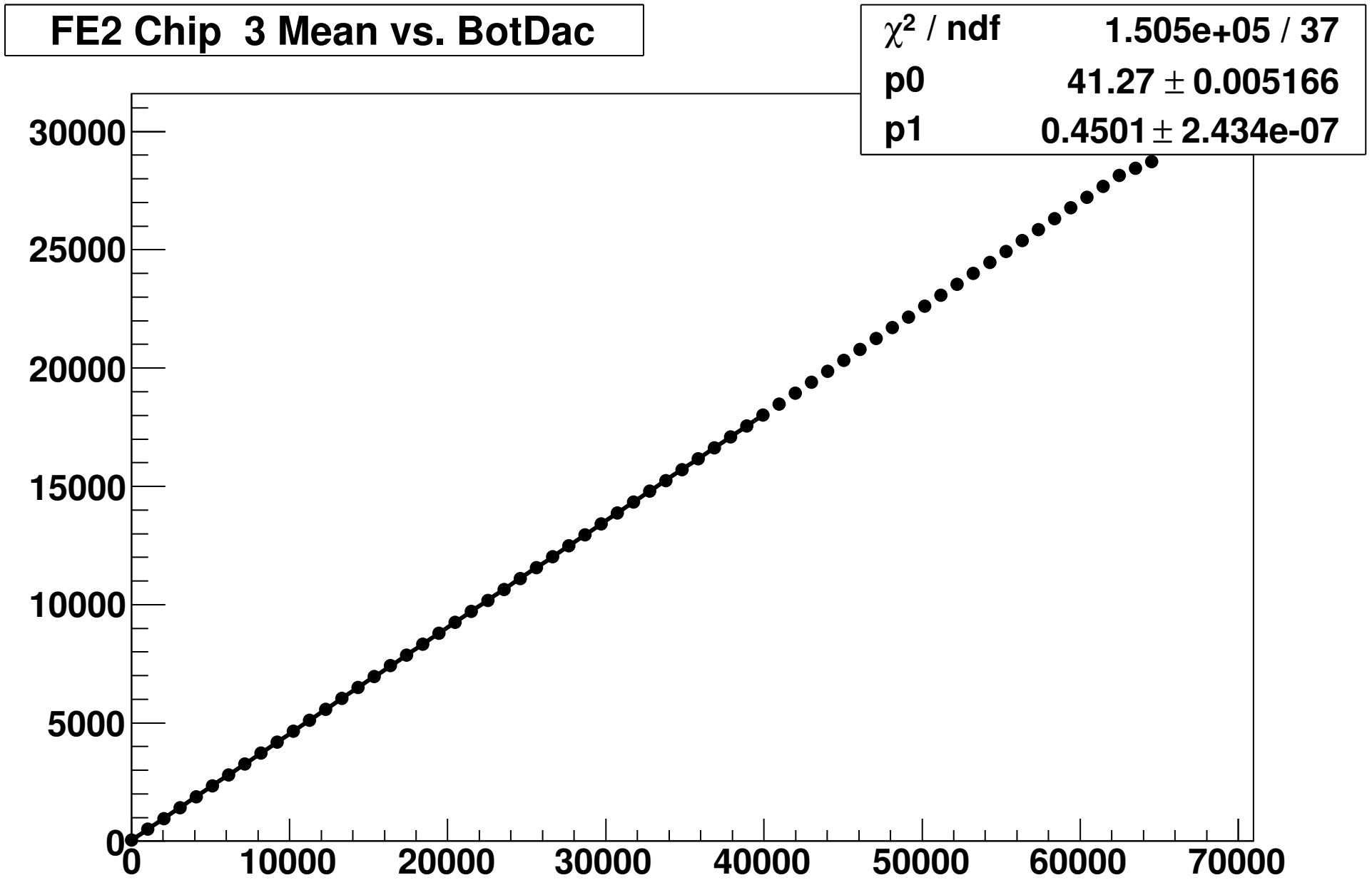

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 34.4 / 37
p0 1.548 ± 0.001864
p1 -4.611e-17 ± 4.07e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

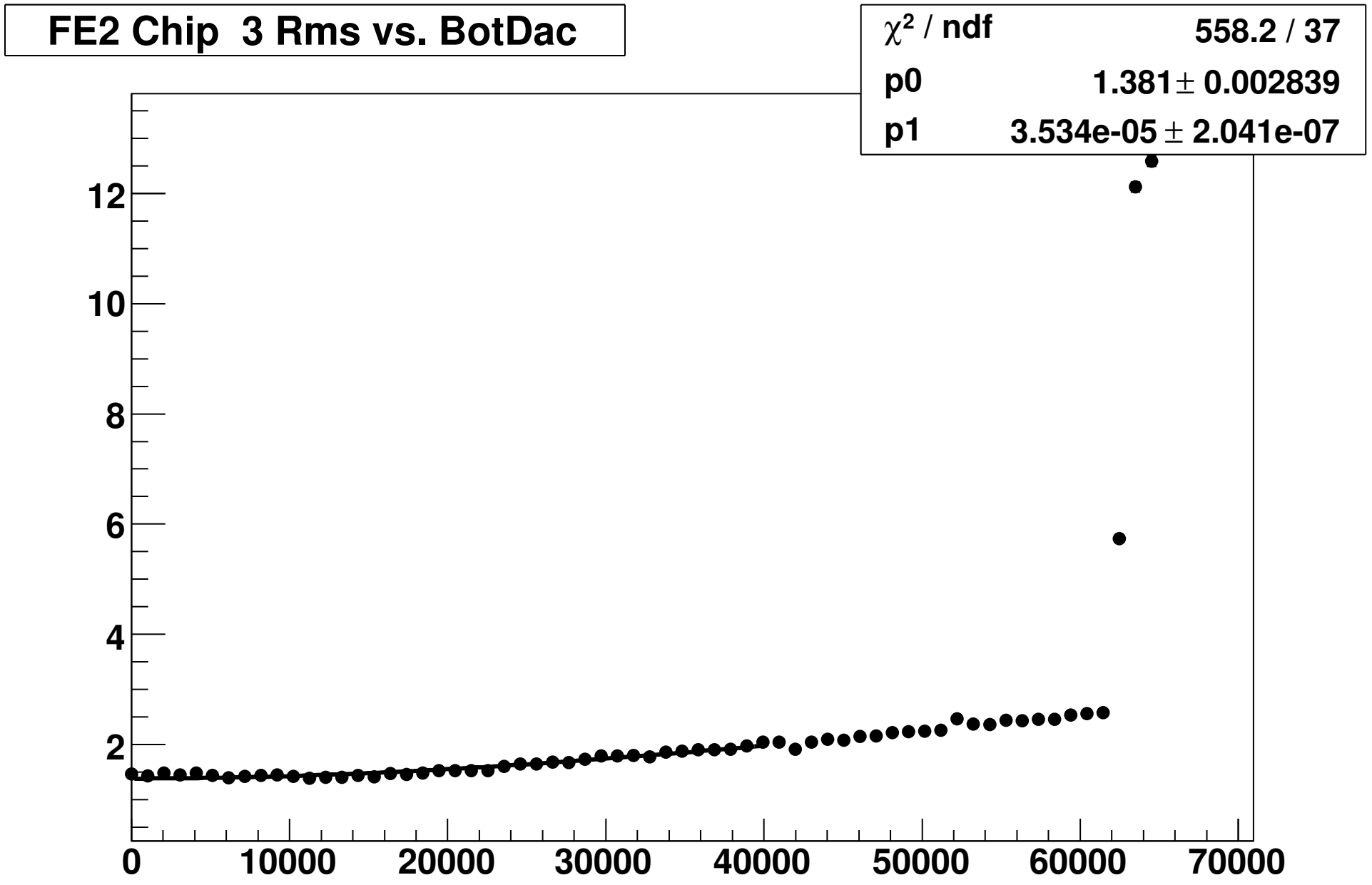

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 9.571e+04 / 37
p0 43.81 ± 0.005227
p1 0.4501 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

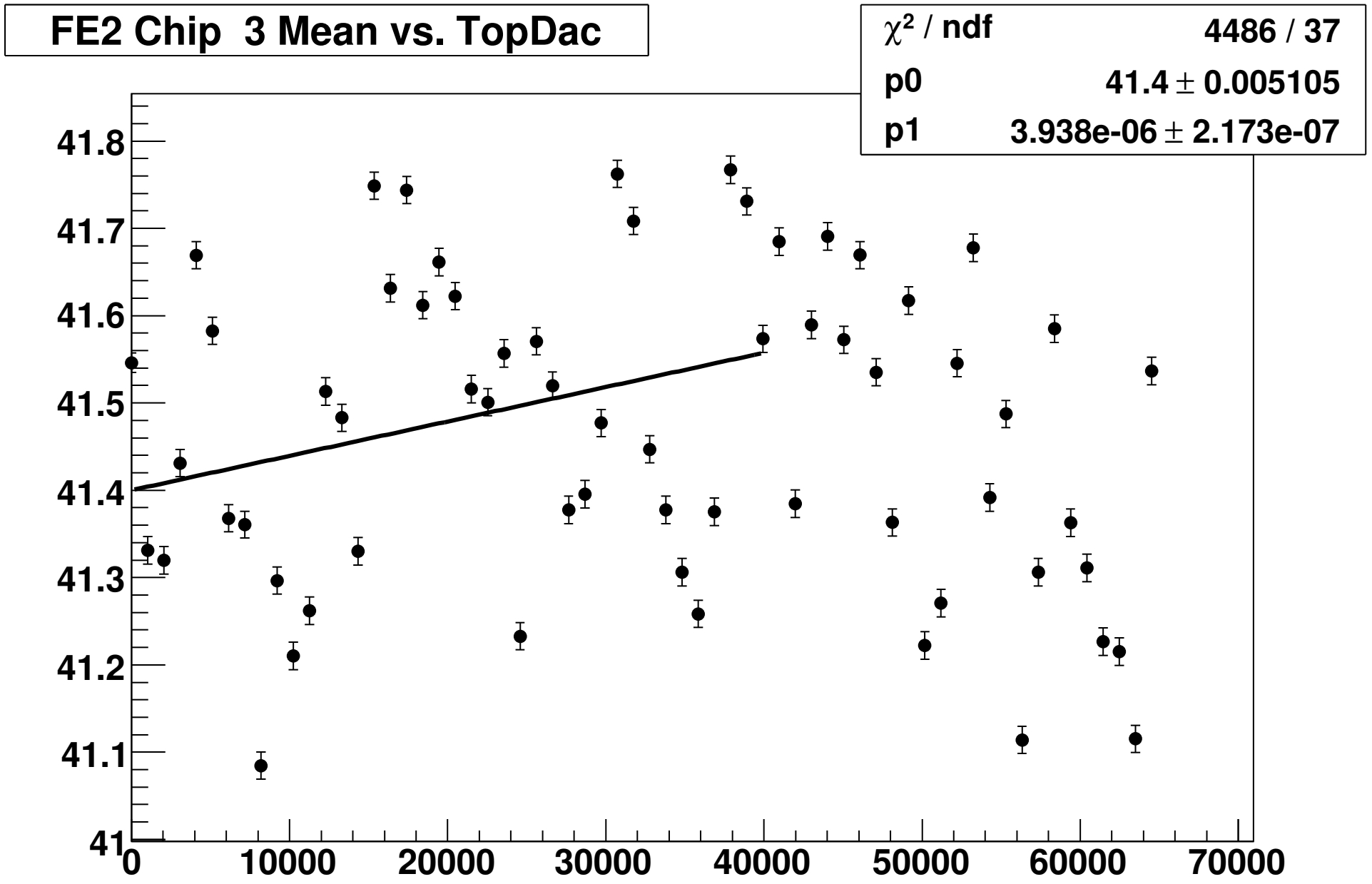

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 725.5 / 37
p0 1.399 ± 0.002862
p1 3.479e-05 ± 2.09e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

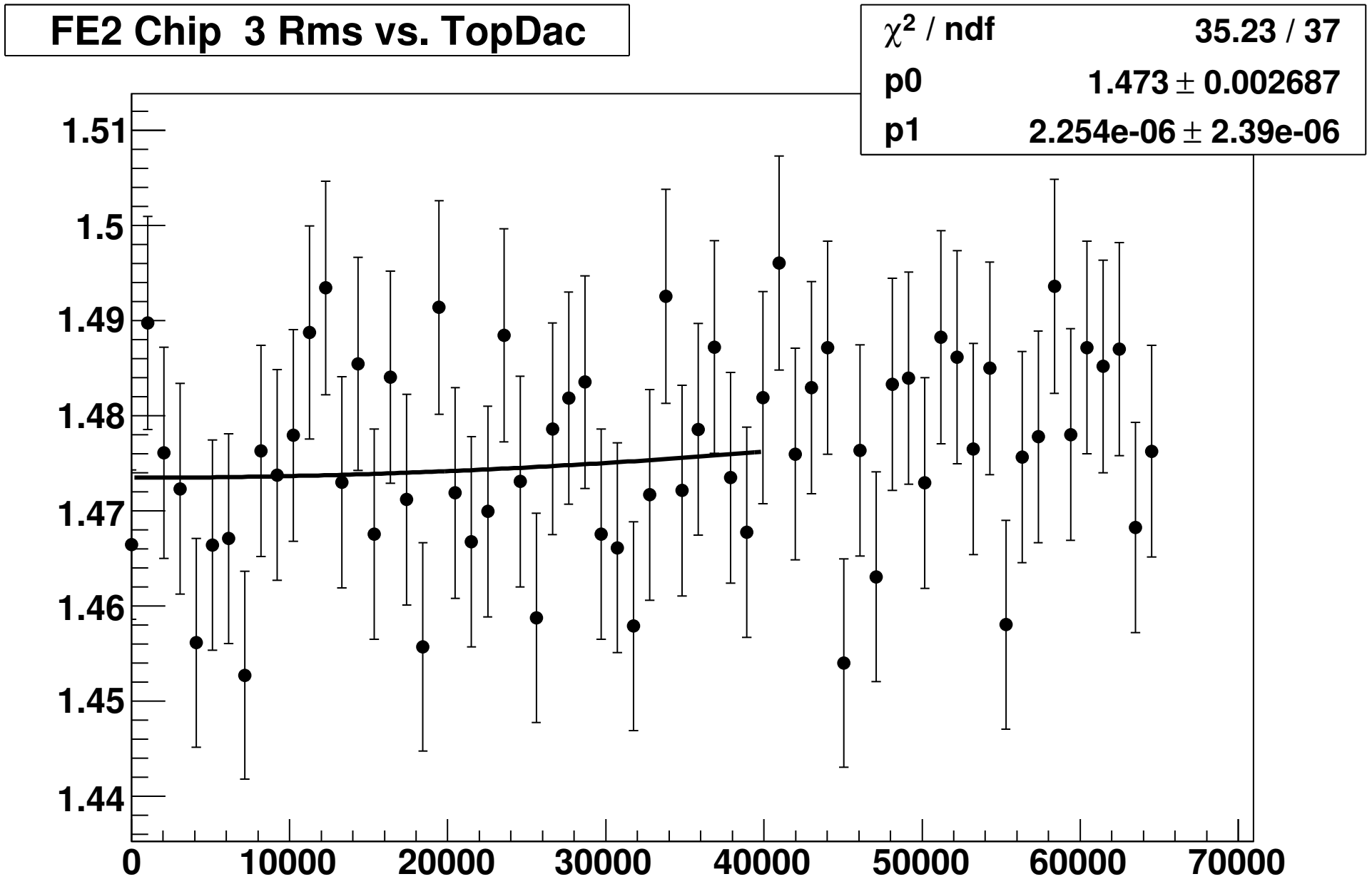

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 4316 / 37
p0 44.25 ± 0.005334
p1 4.51e-06 ± 2.274e-07
44.7
44.6
44.5
44.4
44.3
44.2
44.1
44
43.9
0
10000
20000
30000
40000
50000
60000
70000

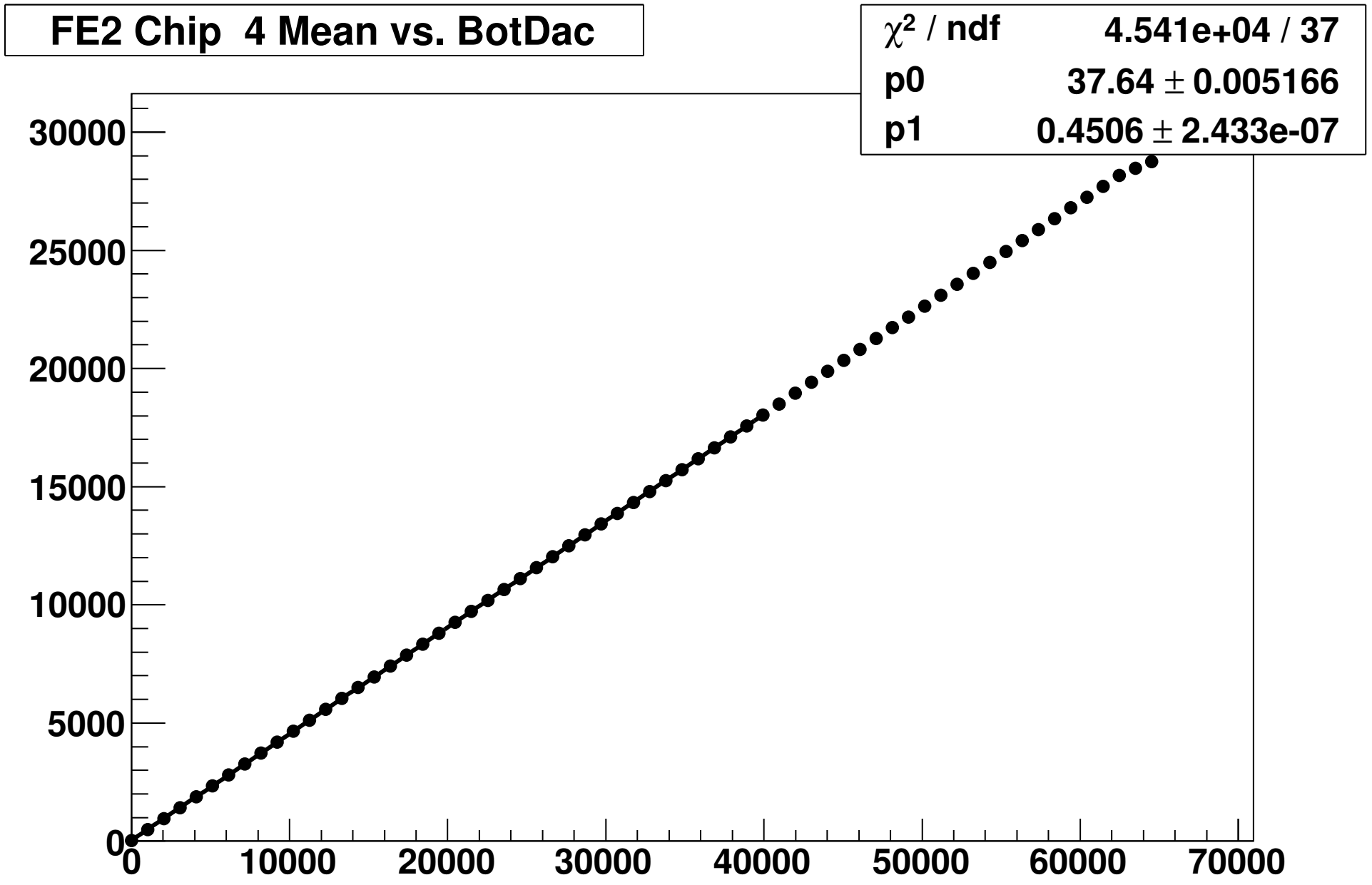

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 44.45 / 37
p0 1.54 ± 0.002802
p1 -4.643e-06 ± 1.27e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

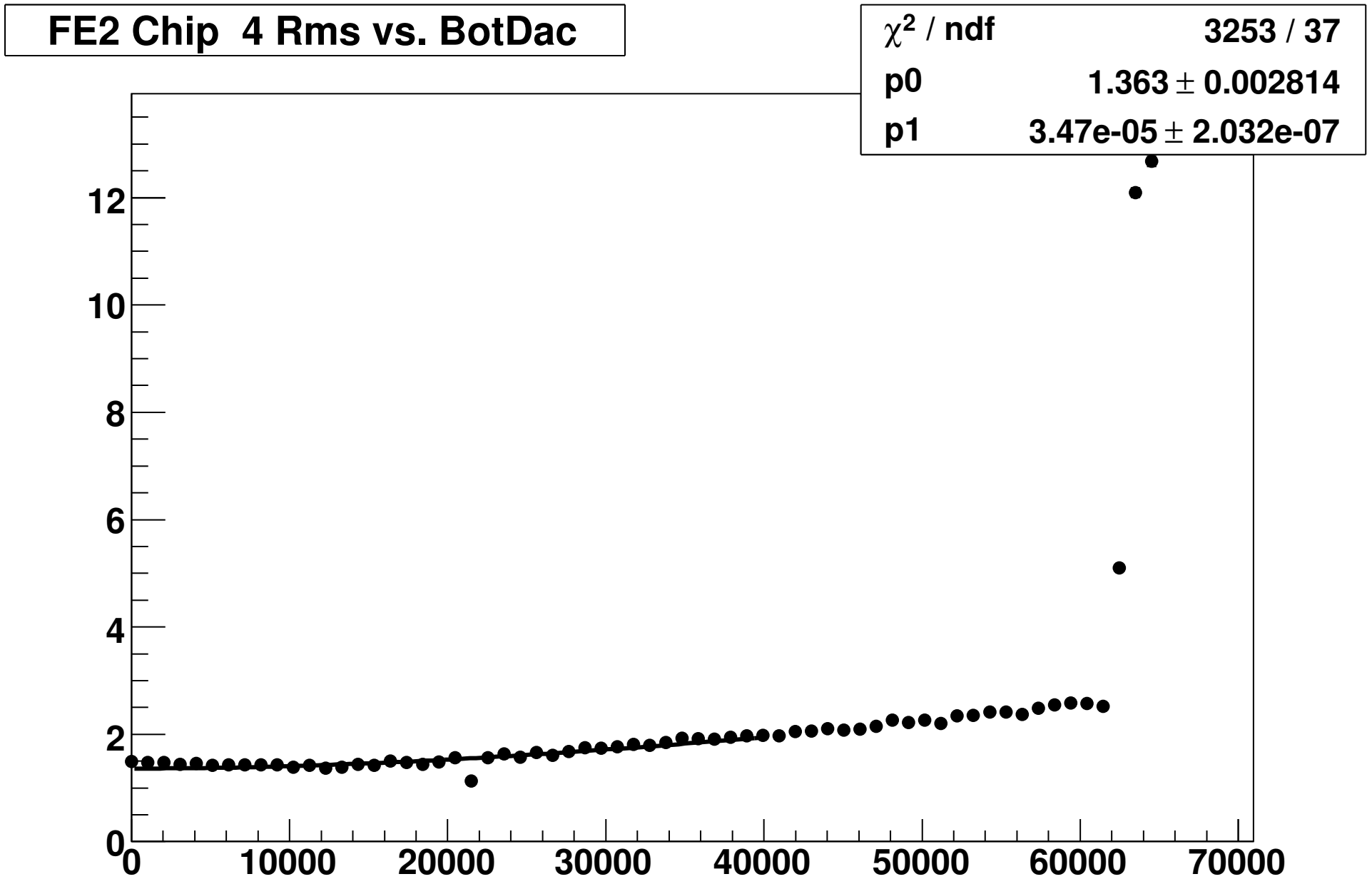

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.505e+05 / 37
p0 41.27 ± 0.005166
p1 0.4501 ± 2.434e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

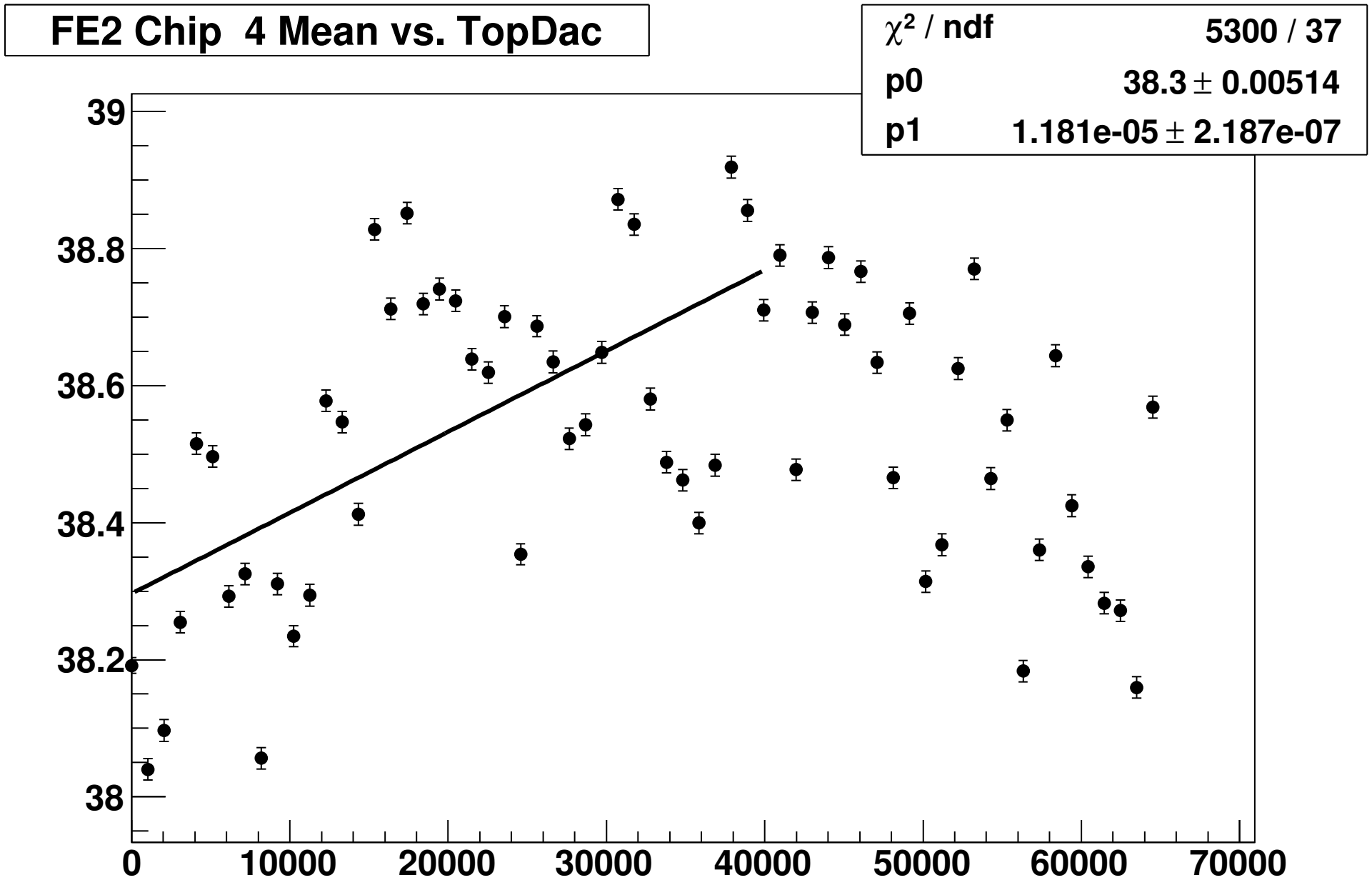

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 558.2 / 37
p0 1.381 ± 0.002839
p1 3.534e-05 ± 2.041e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

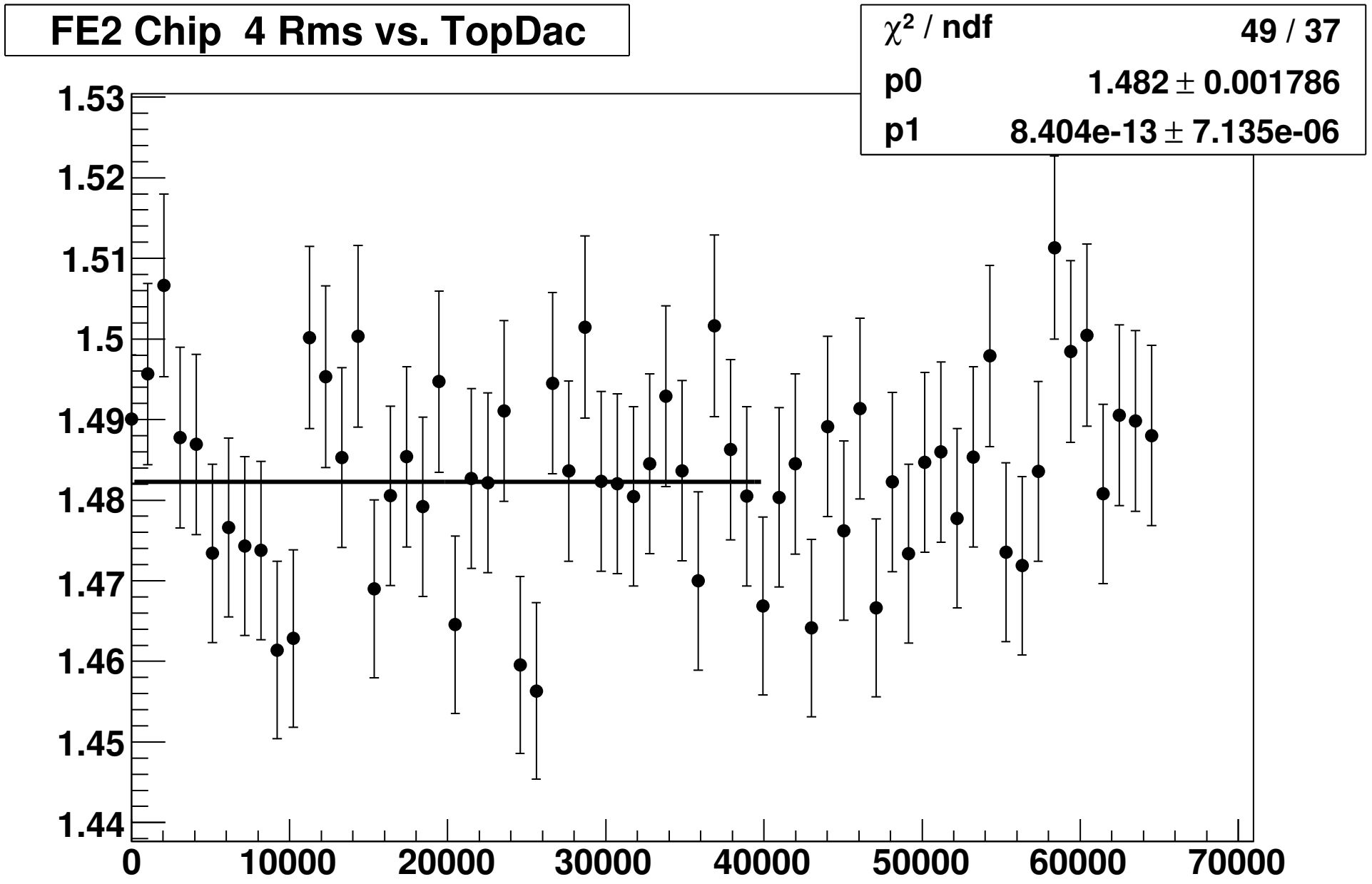

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 4486 / 37
p0 41.4 ± 0.005105
p1 3.938e-06 ± 2.173e-07
41.8
41.7
41.6
41.5
41.4
41.3
41.2
41.1
41
0
10000
20000
30000
40000
50000
60000
70000

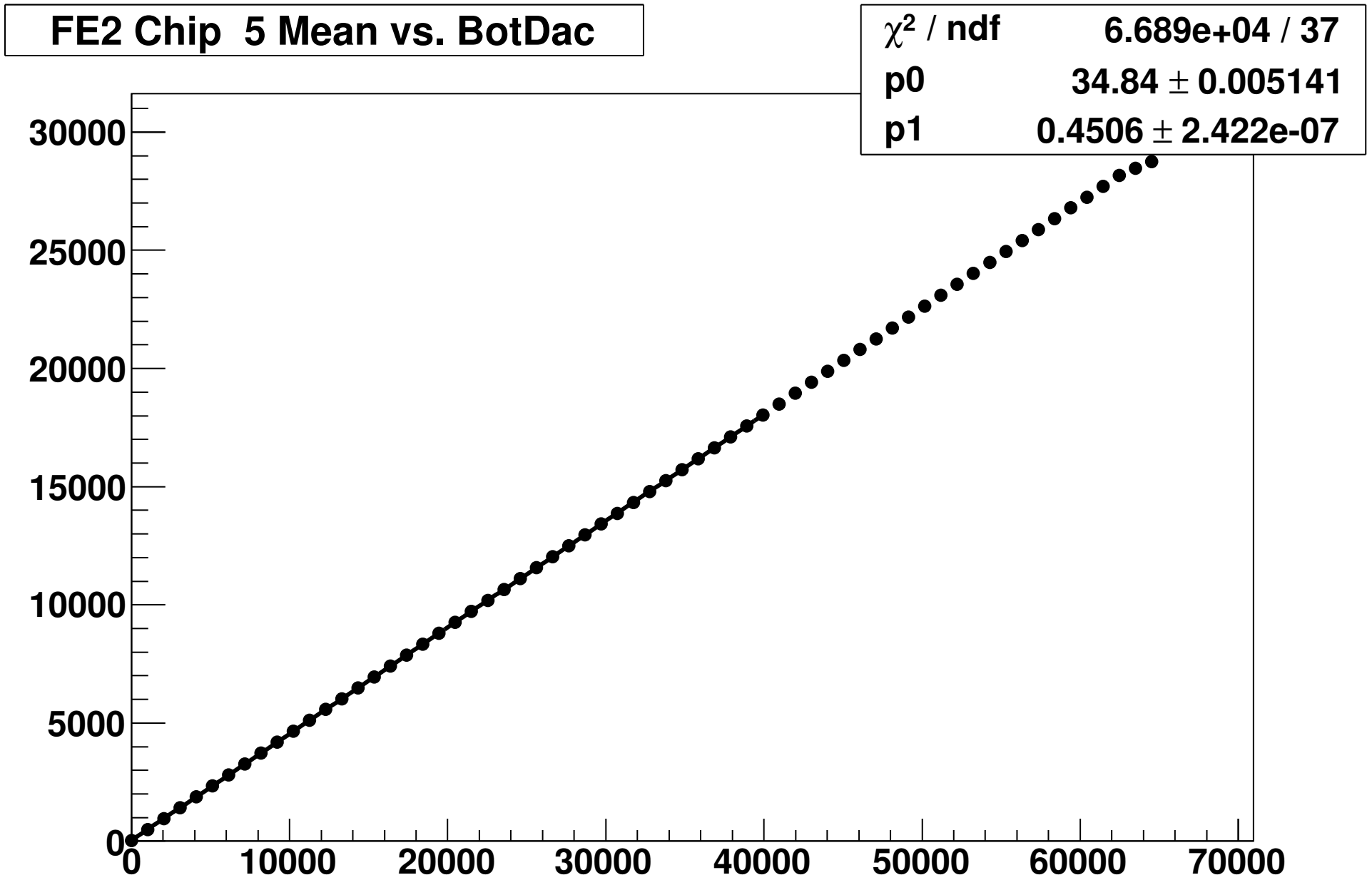

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 35.23 / 37
p0 1.473 ± 0.002687
p1 2.254e-06 ± 2.39e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

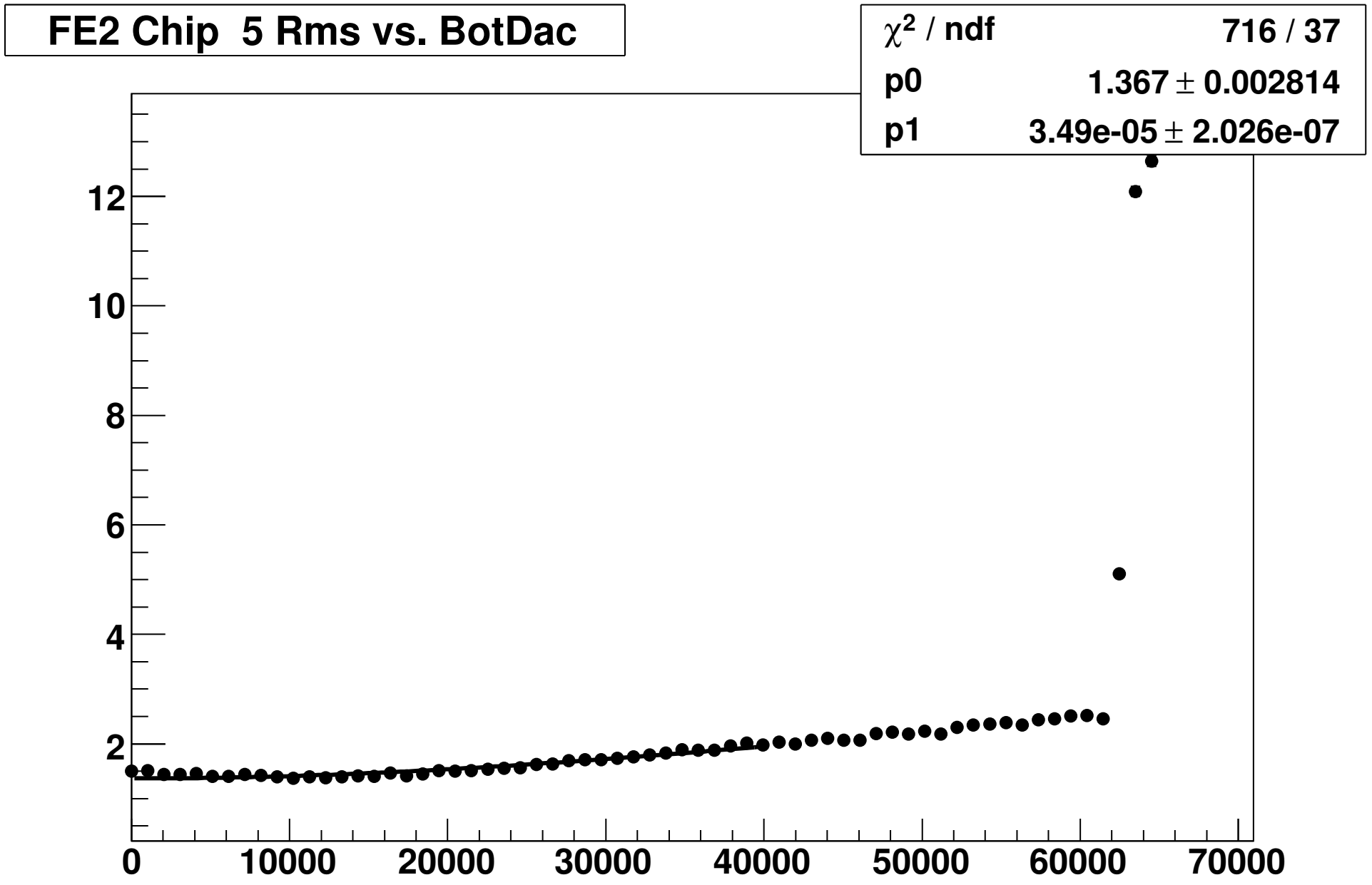

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 4.541e+04 / 37
p0 37.64 ± 0.005166
p1 0.4506 ± 2.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

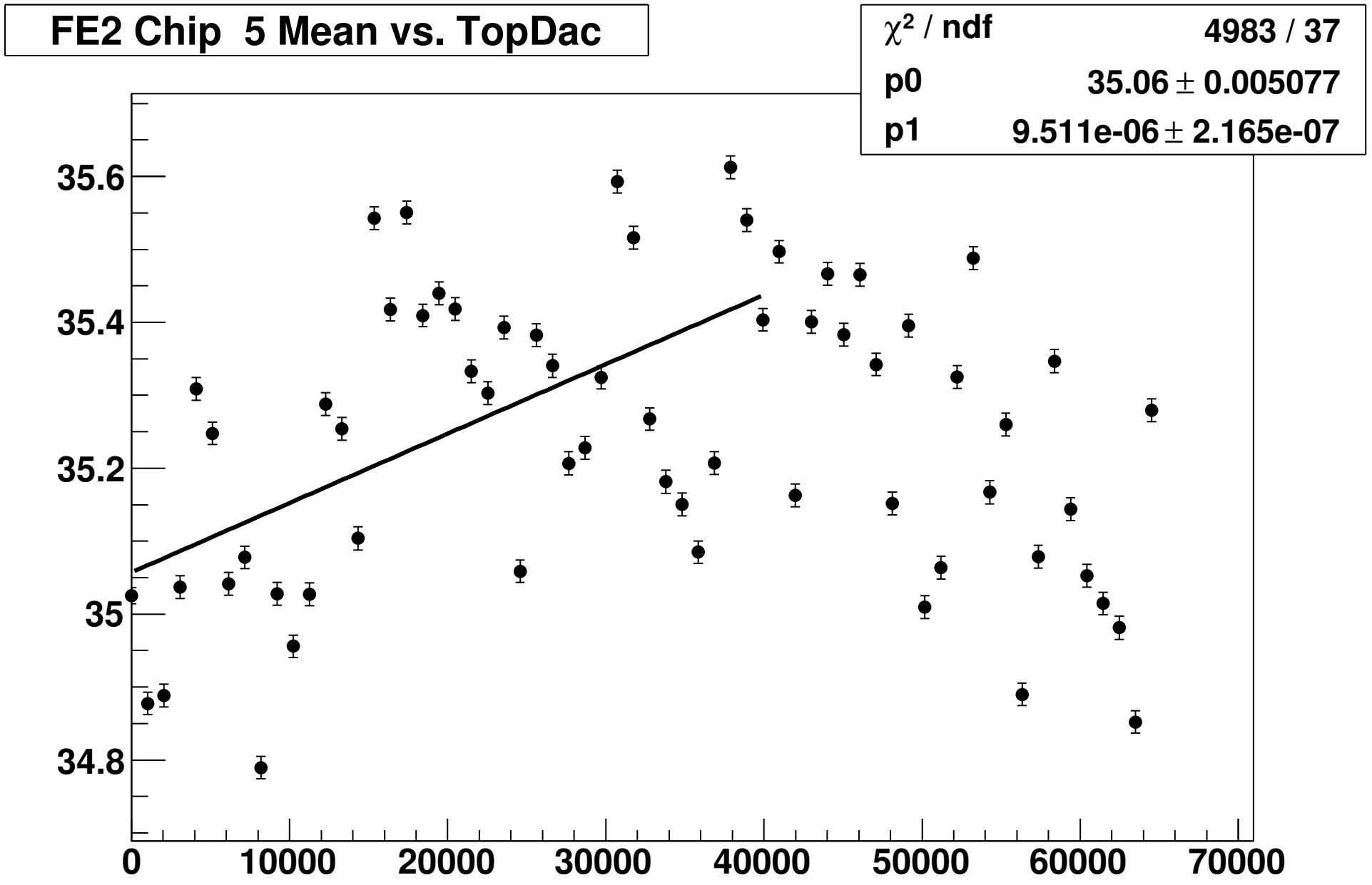

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 3253 / 37
p0 1.363 ± 0.002814
p1 3.47e-05 ± 2.032e-07
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000
70000

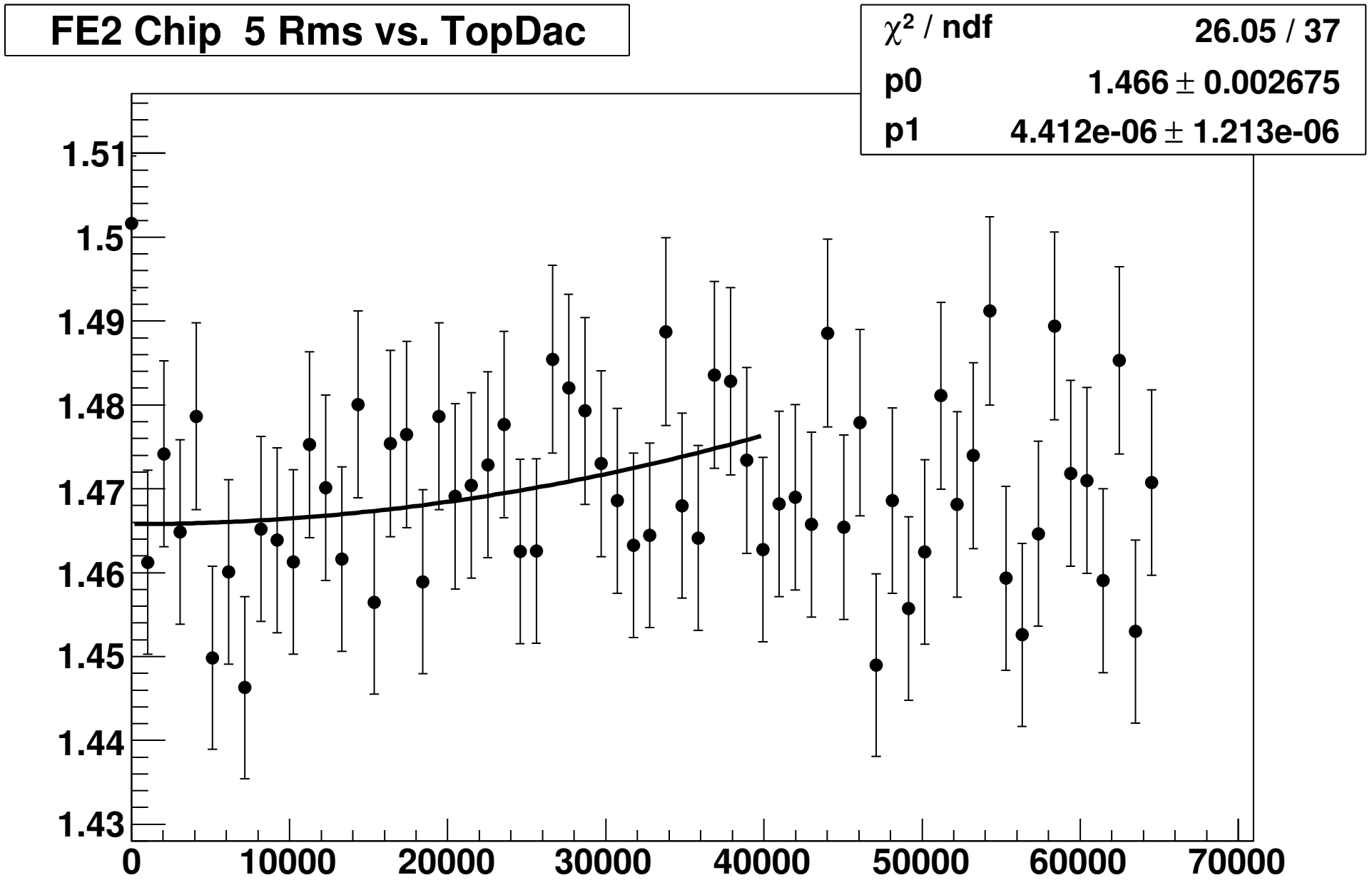

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 5300 / 37
p0 38.3 ± 0.00514
p1 1.181e-05 ± 2.187e-07
39
38.8
38.6
38.4
38.2
38
0
10000
20000
30000
40000
50000
60000
70000

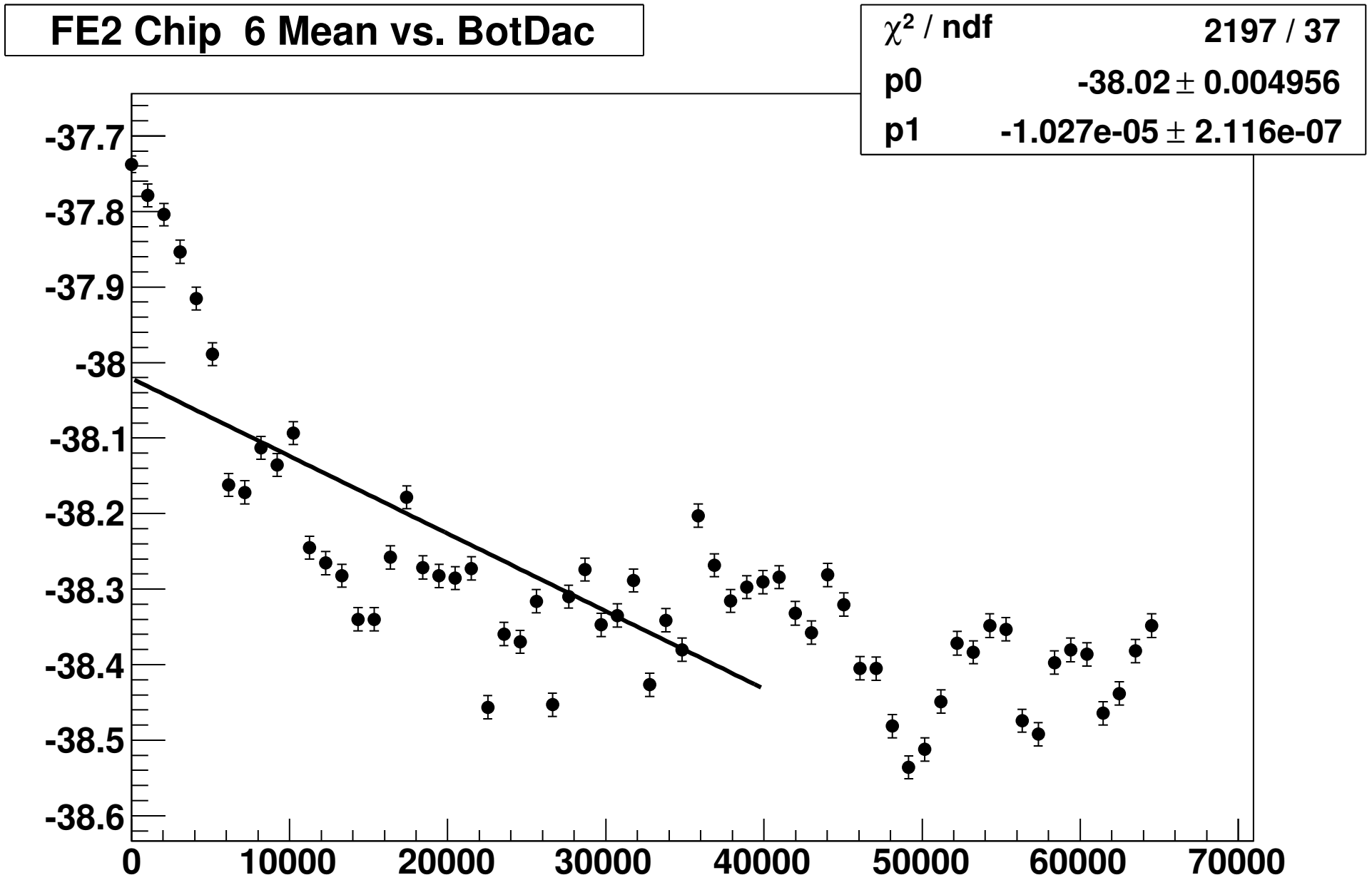

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 49 / 37
p0 1.482 ± 0.001786
p1 8.404e-13 ± 7.135e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

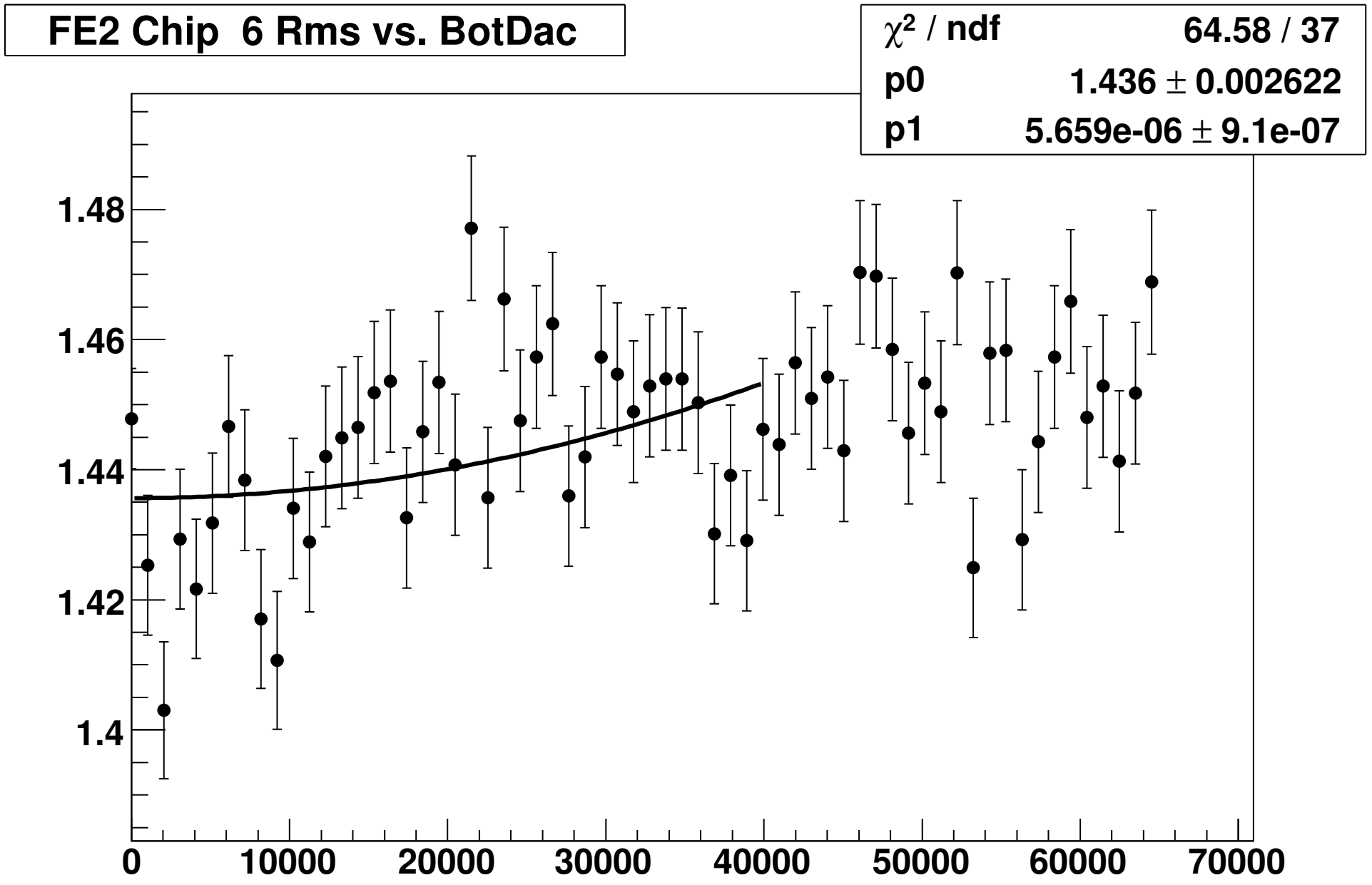

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 6.689e+04 / 37
p0 34.84 ± 0.005141
p1 0.4506 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

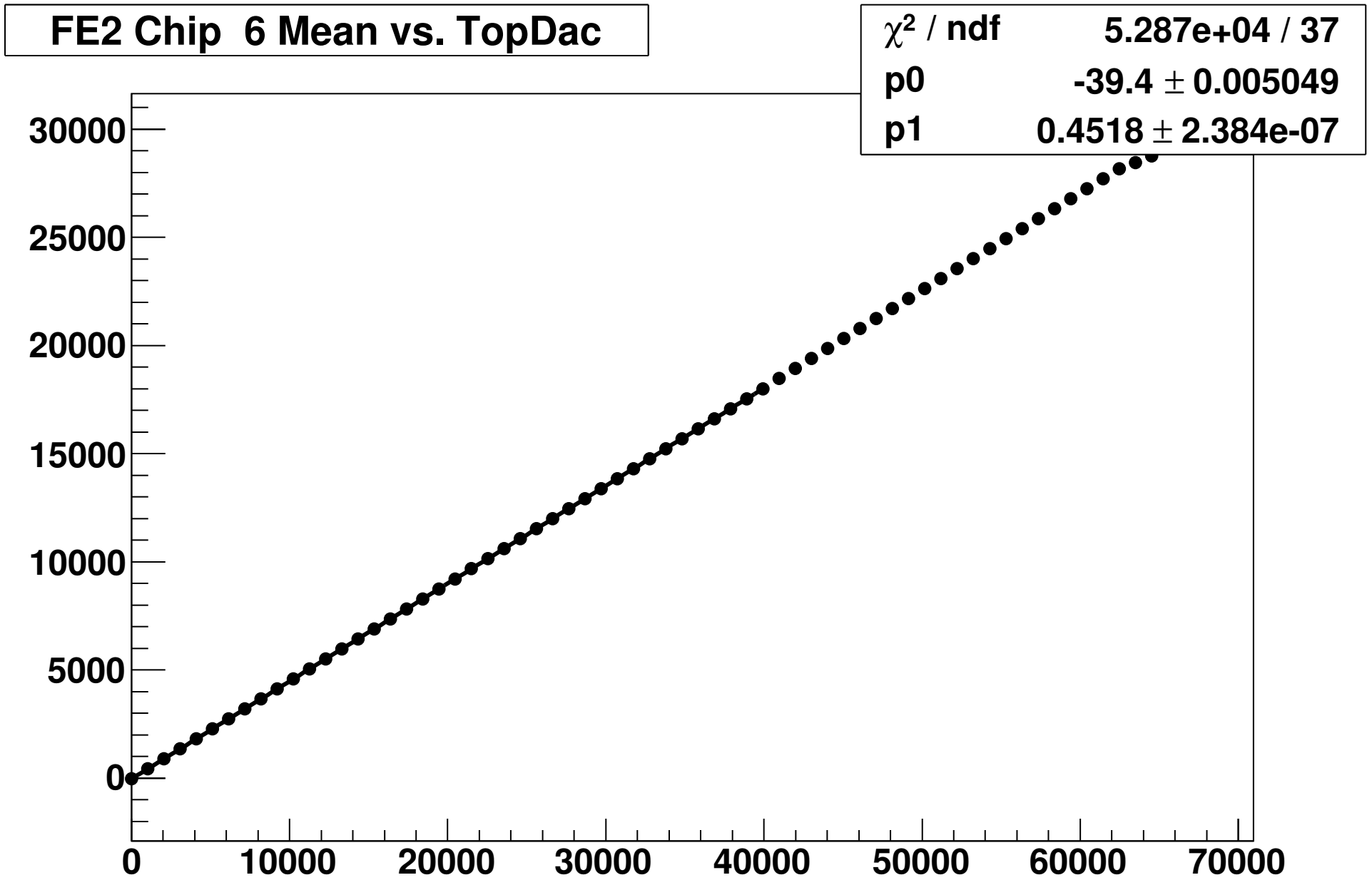

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 716 / 37
p0 1.367 ± 0.002814
p1 3.49e-05 ± 2.026e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

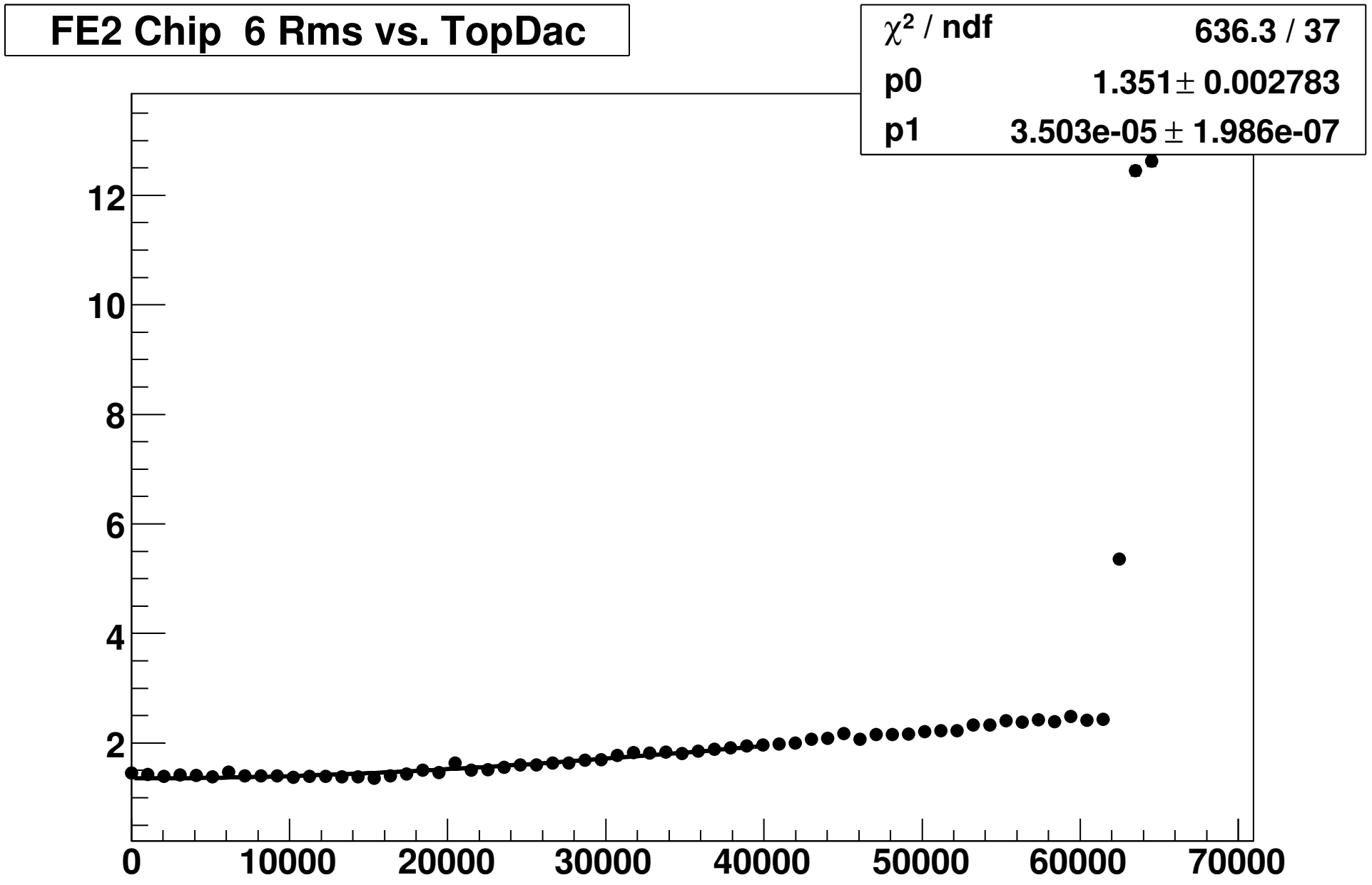

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 4983 / 37
p0 35.06 ± 0.005077
p1 9.511e-06 ± 2.165e-07
35.6
35.4
35.2
35
34.8
0
10000
20000
30000
40000
50000
60000
70000

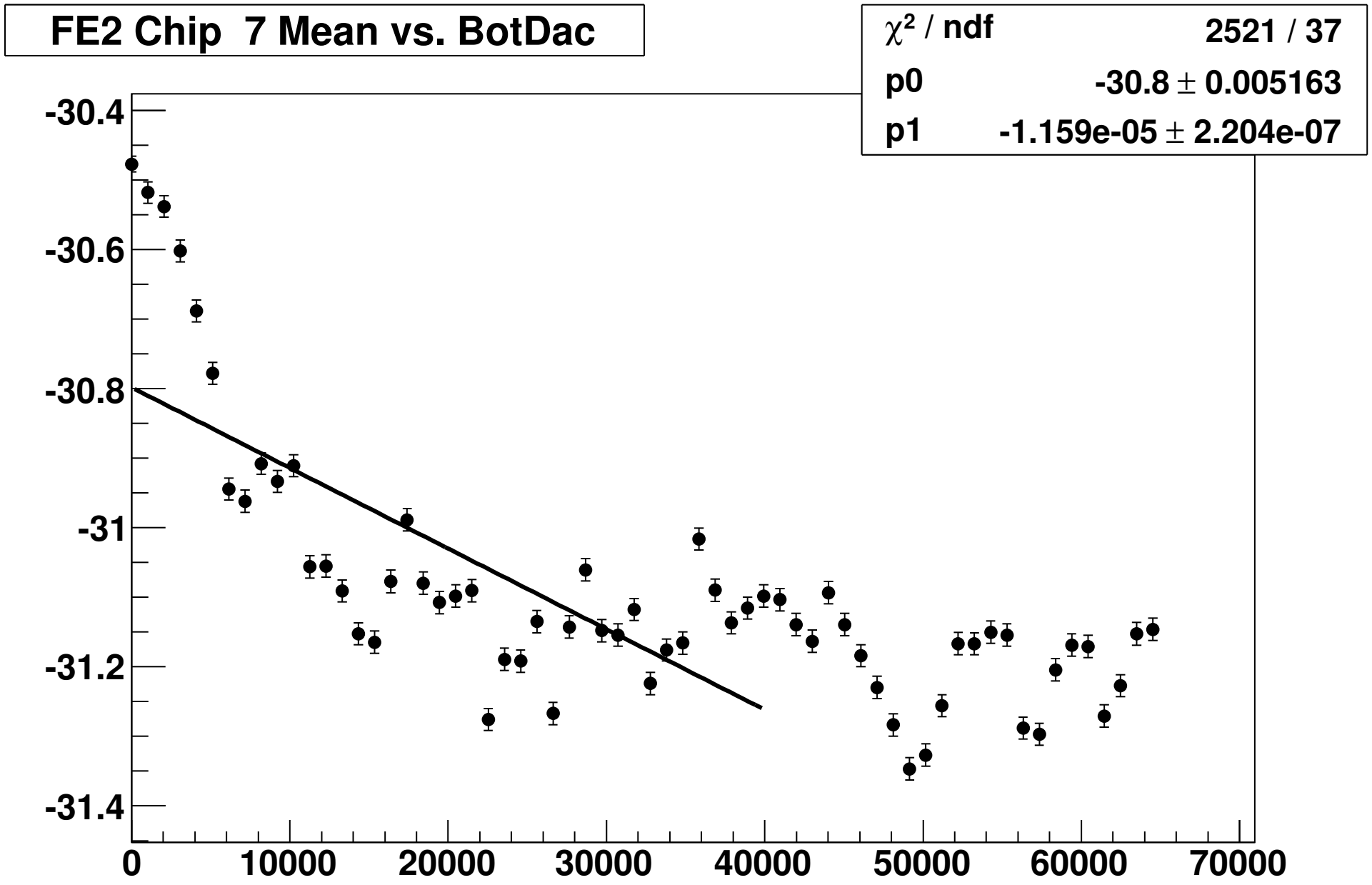

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 26.05 / 37
p0 1.466 ± 0.002675
p1 4.412e-06 ± 1.213e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

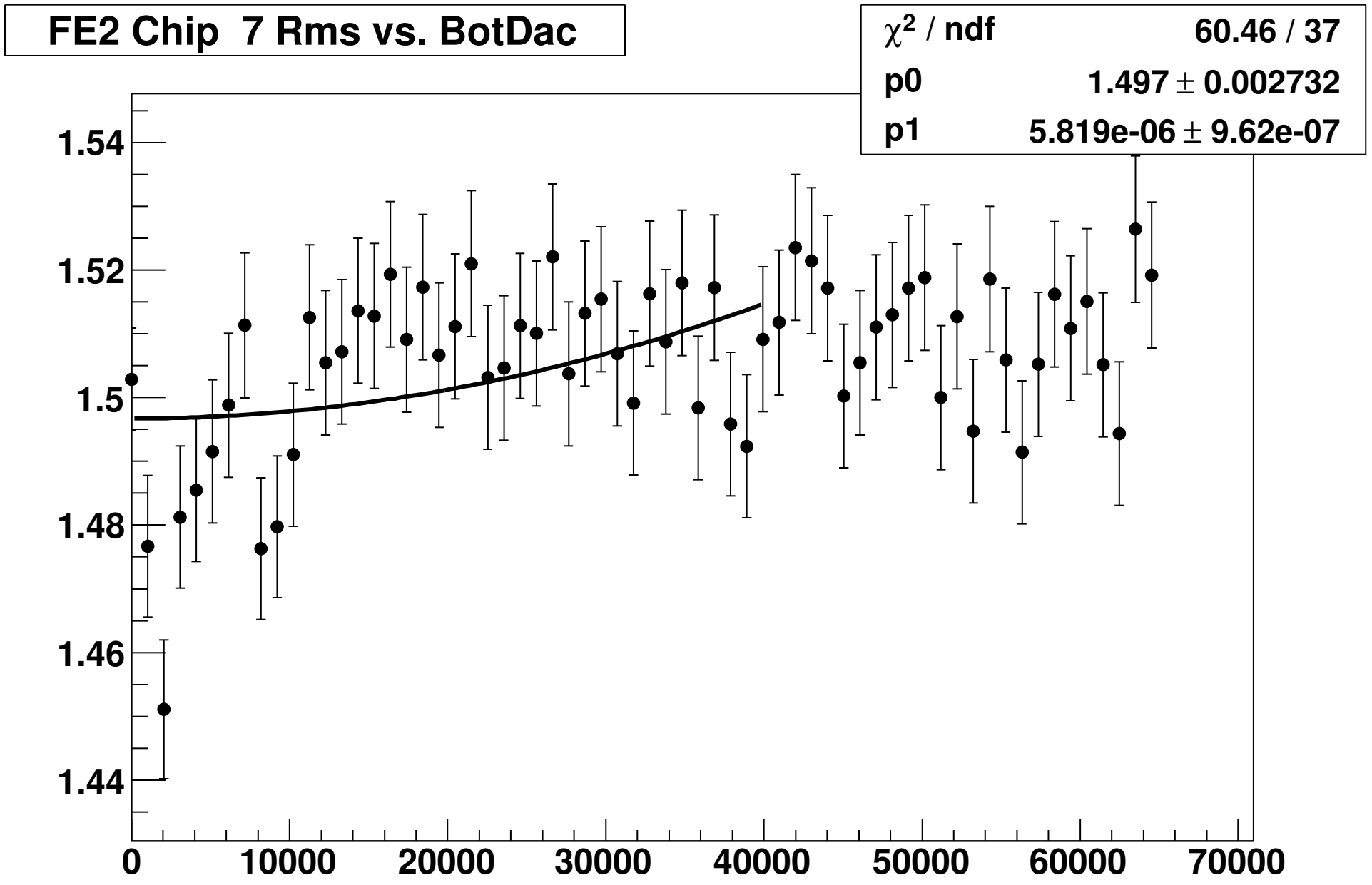

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 2197 / 37
p0 -38.02 ± 0.004956
p1 -1.027e-05 ± 2.116e-07
-37.7
-37.8
-37.9
-38
-38.1
-38.2
-38.3
-38.4
-38.5
-38.6
0
10000
20000
30000
40000
50000
60000
70000

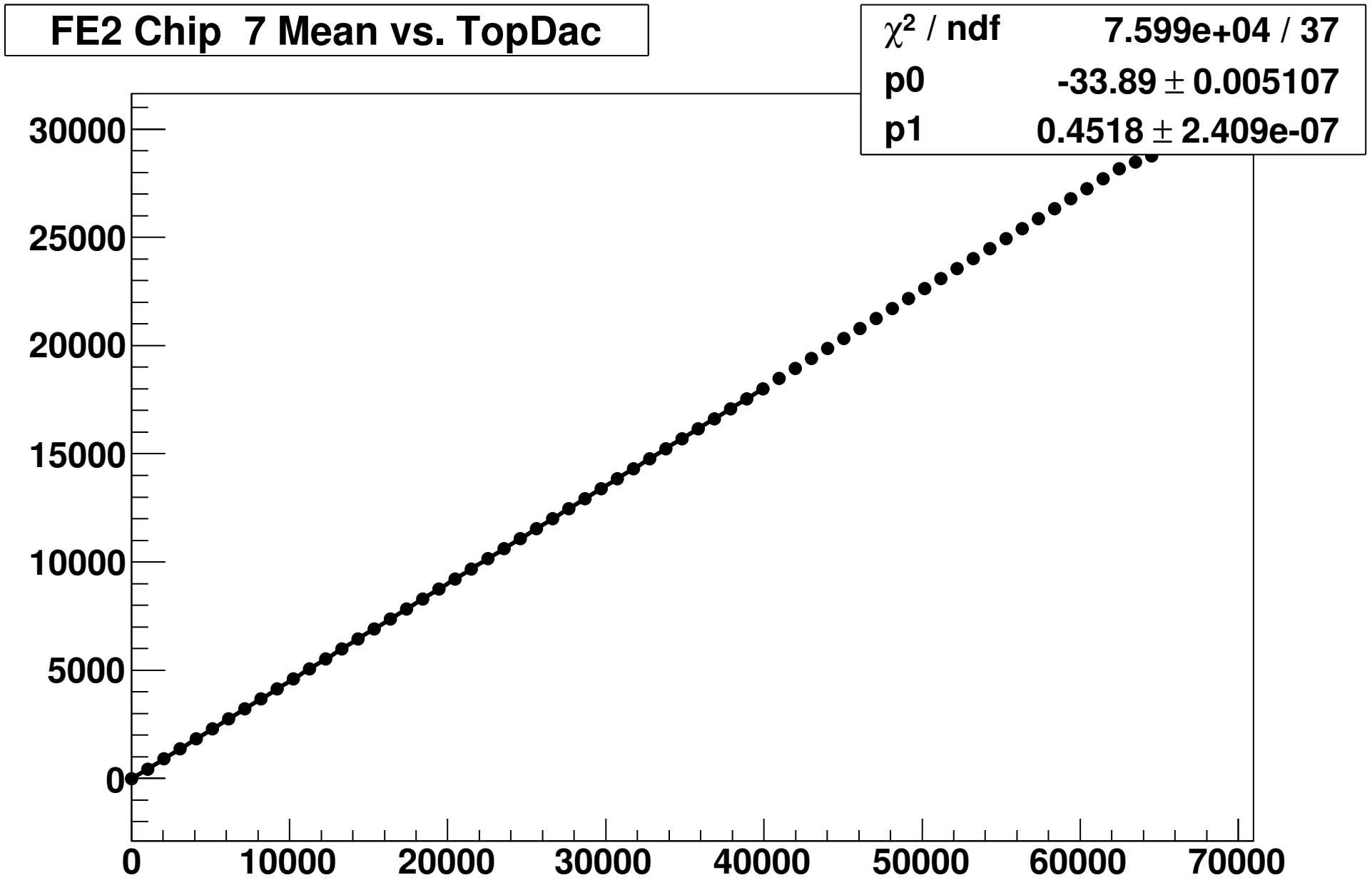

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 64.58 / 37
p0 1.436 ± 0.002622
p1 5.659e-06 ± 9.1e-07
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

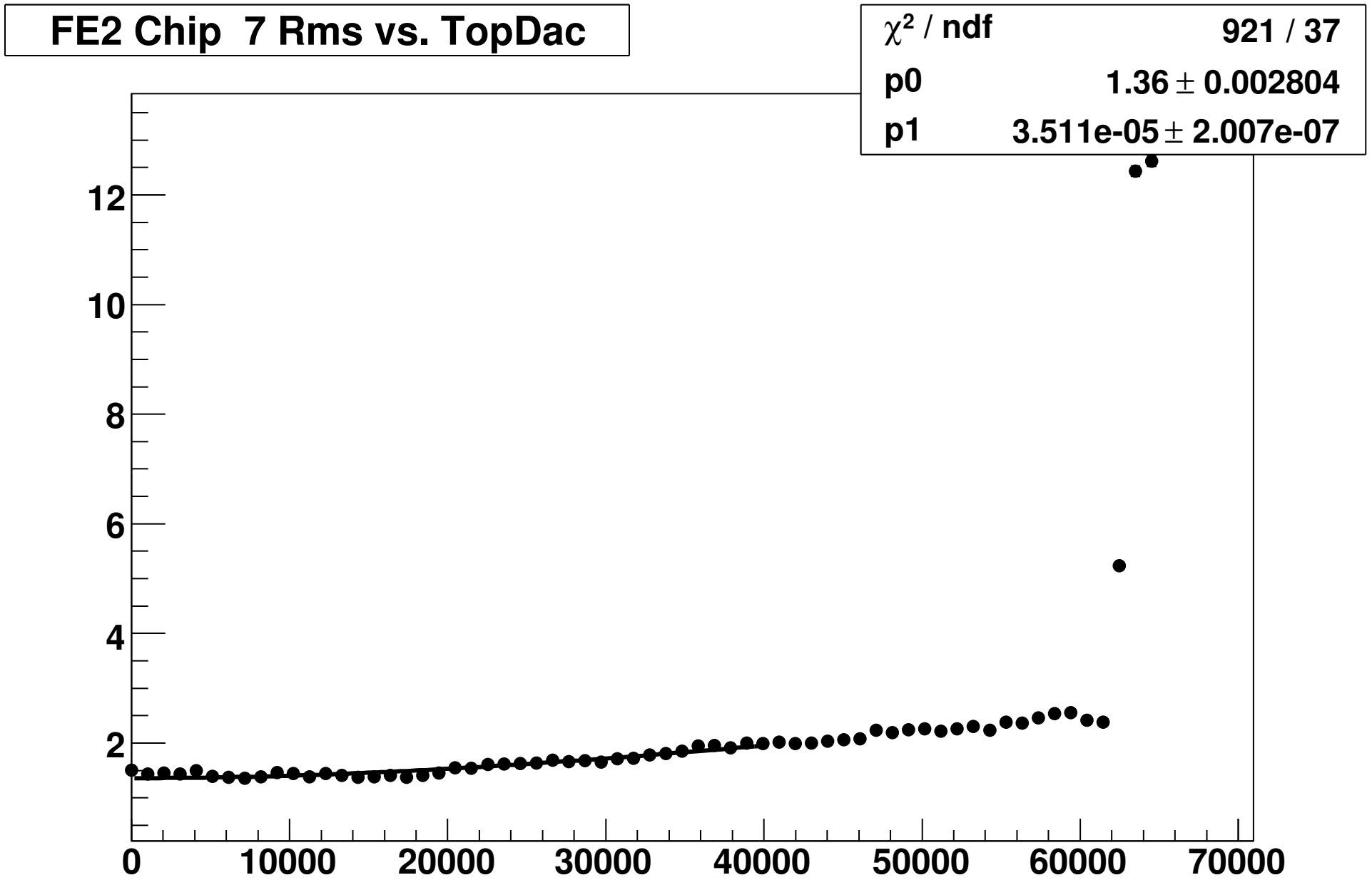

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 5.287e+04 / 37
p0 -39.4 ± 0.005049
p1 0.4518 ± 2.384e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

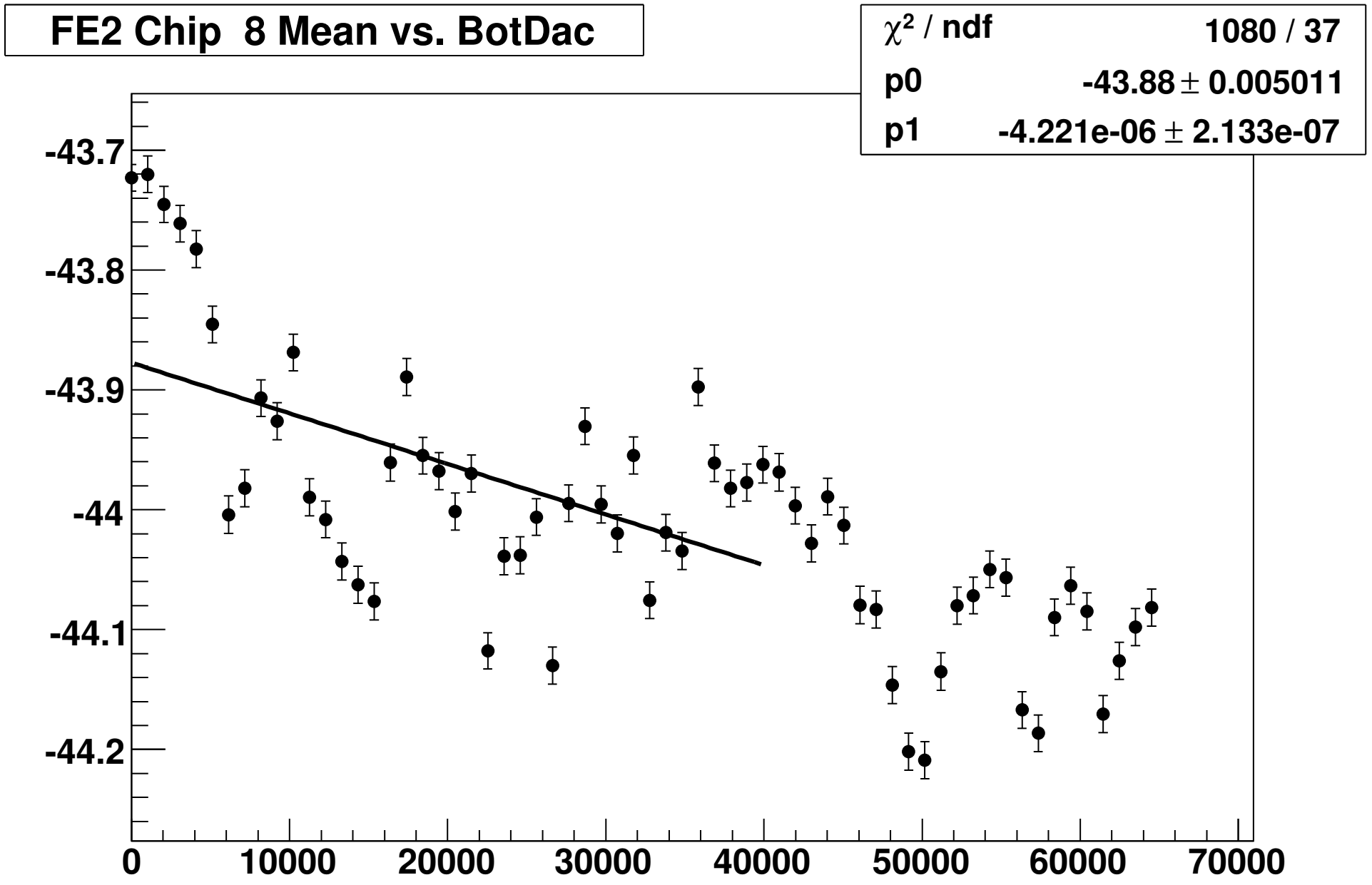

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 636.3 / 37
p0 1.351 ± 0.002783
p1 3.503e-05 ± 1.986e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

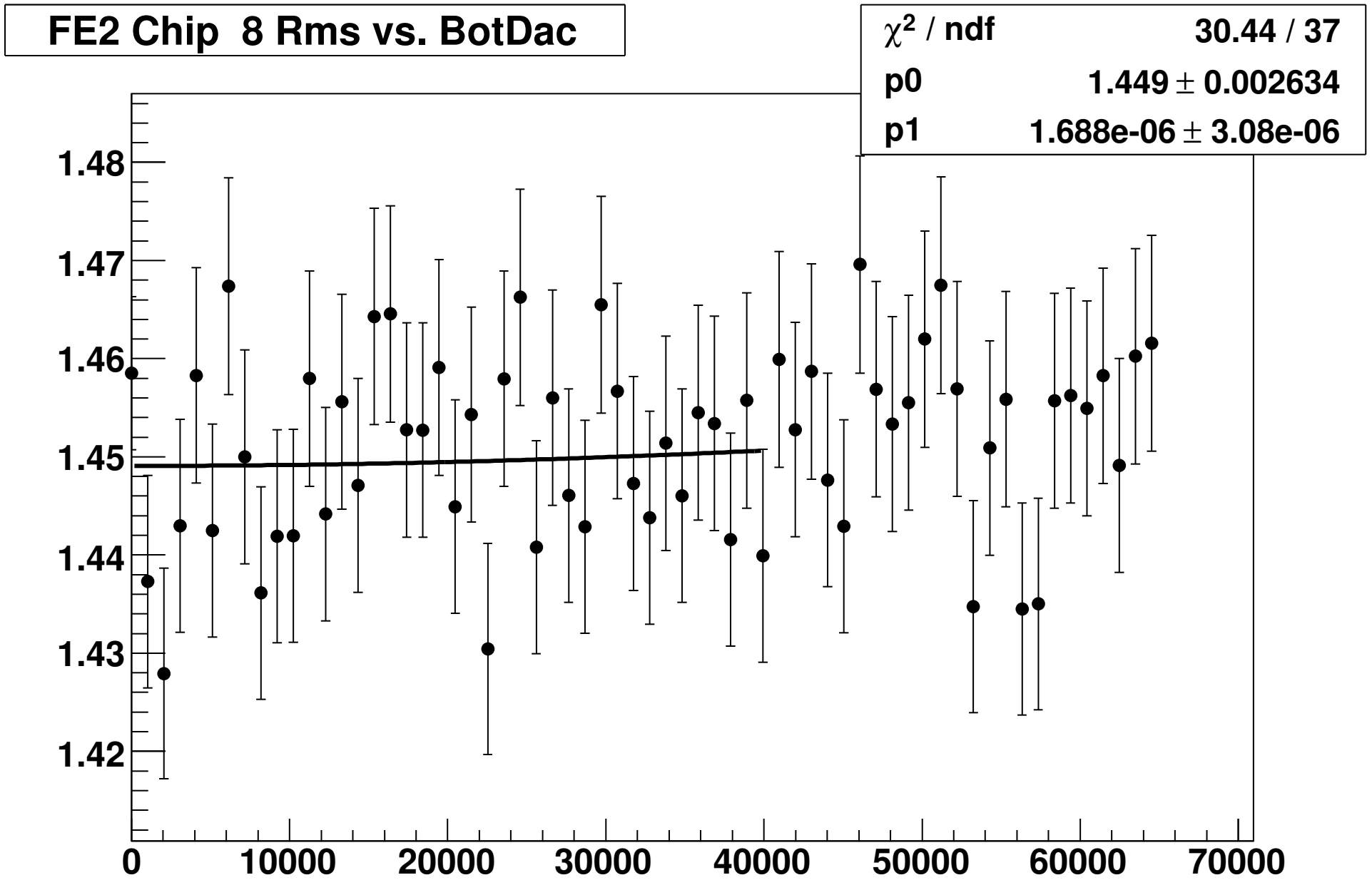

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 2521 / 37
p0 -30.8 ± 0.005163
p1 -1.159e-05 ± 2.204e-07
-30.4
-30.6
-30.8
-31
-31.2
-31.4
0
10000
20000
30000
40000
50000
60000
70000

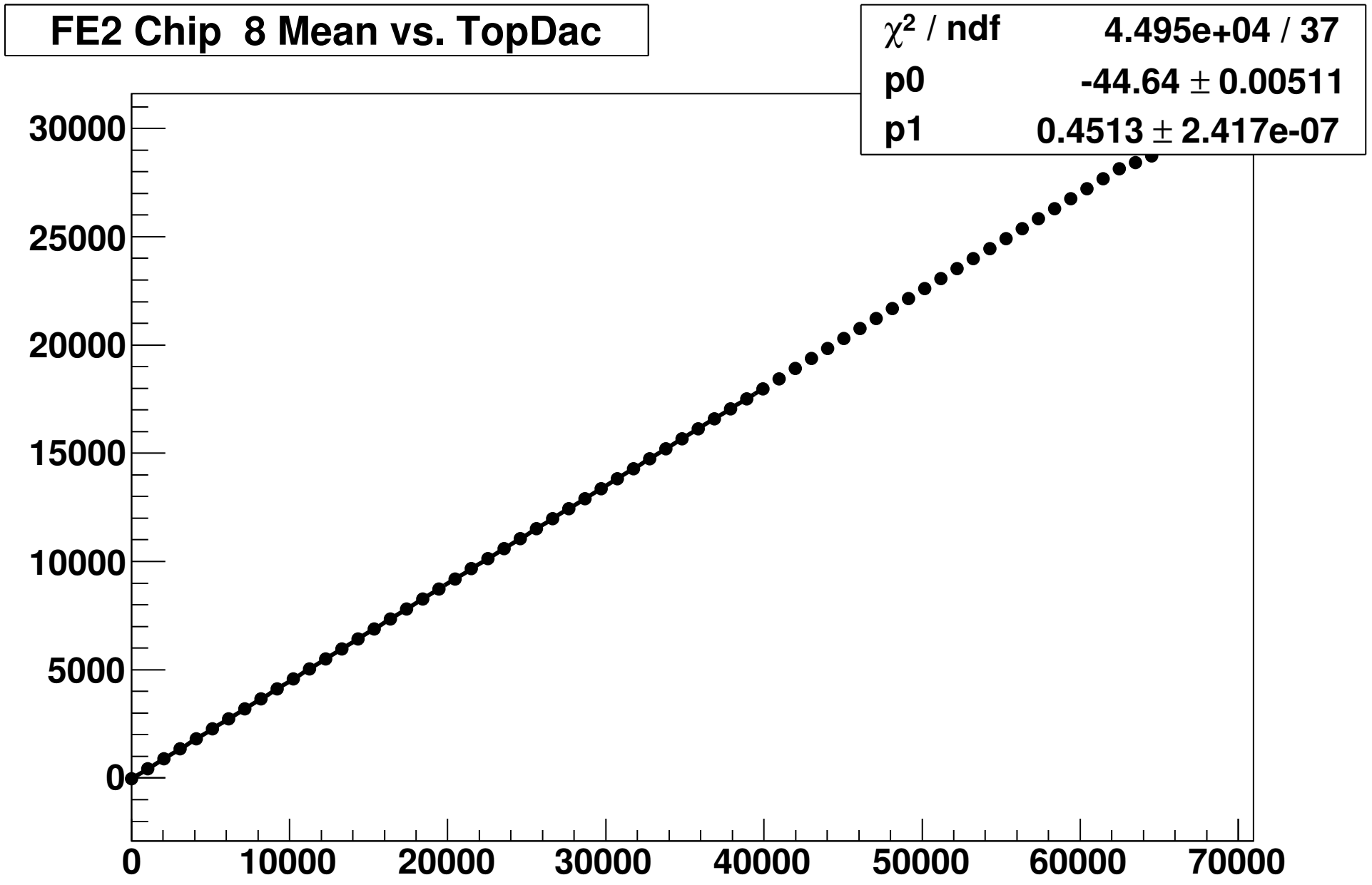

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 60.46 / 37
p0 1.497 ± 0.002732
p1 5.819e-06 ± 9.62e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

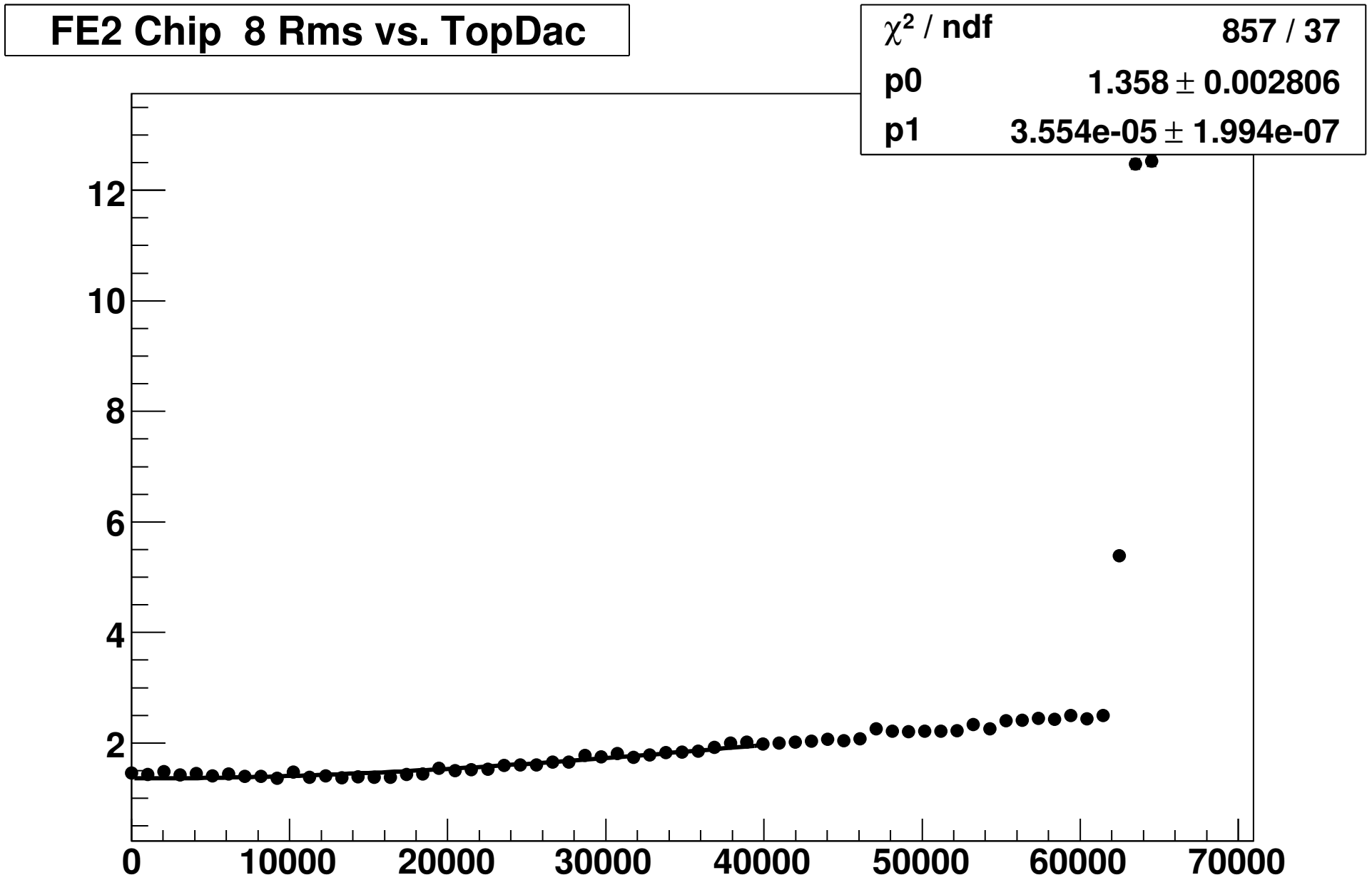

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 7.599e+04 / 37
p0 -33.89 ± 0.005107
p1 0.4518 ± 2.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

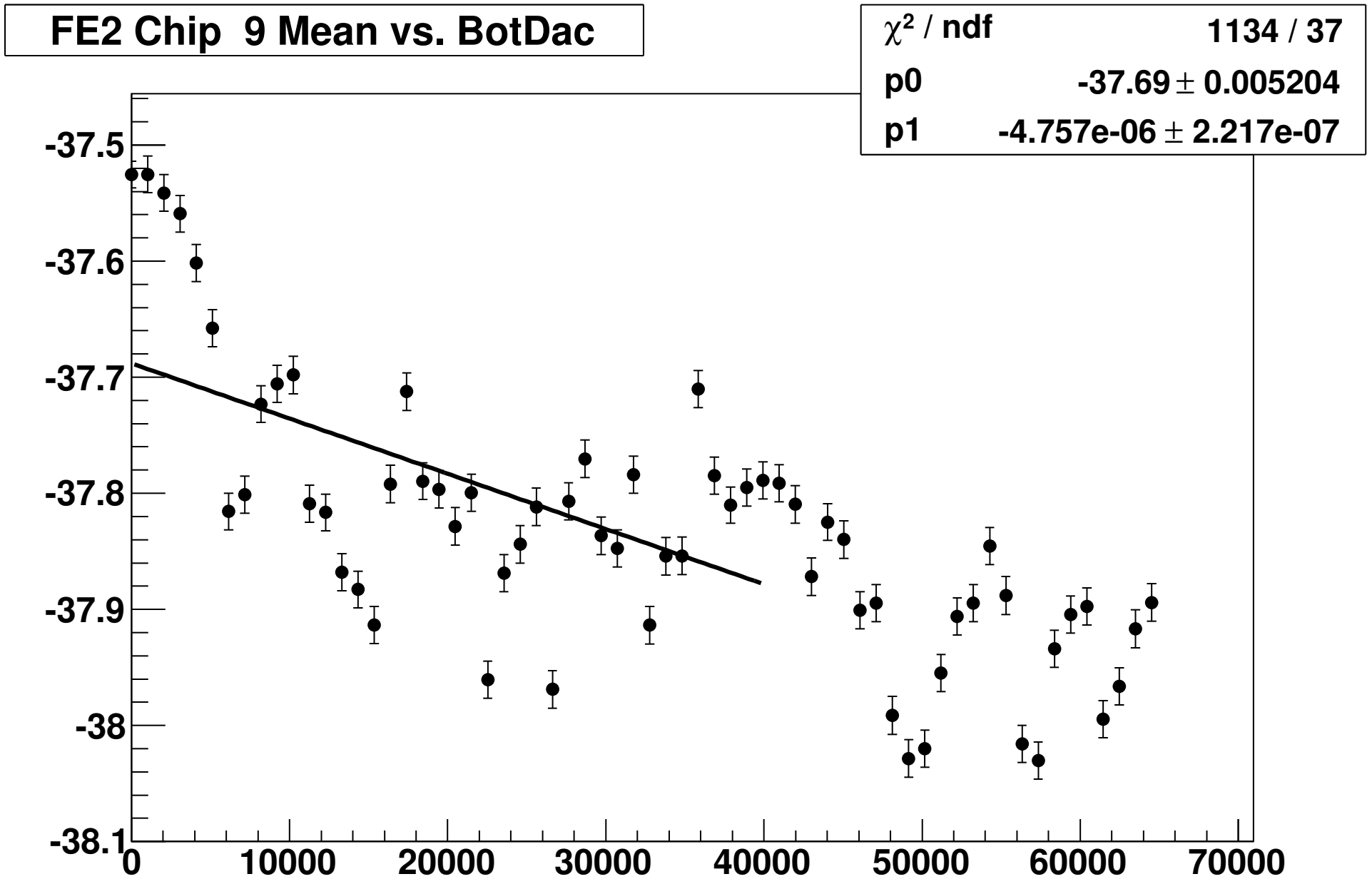

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 921 / 37
p0 1.36 ± 0.002804
p1 3.511e-05 ± 2.007e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

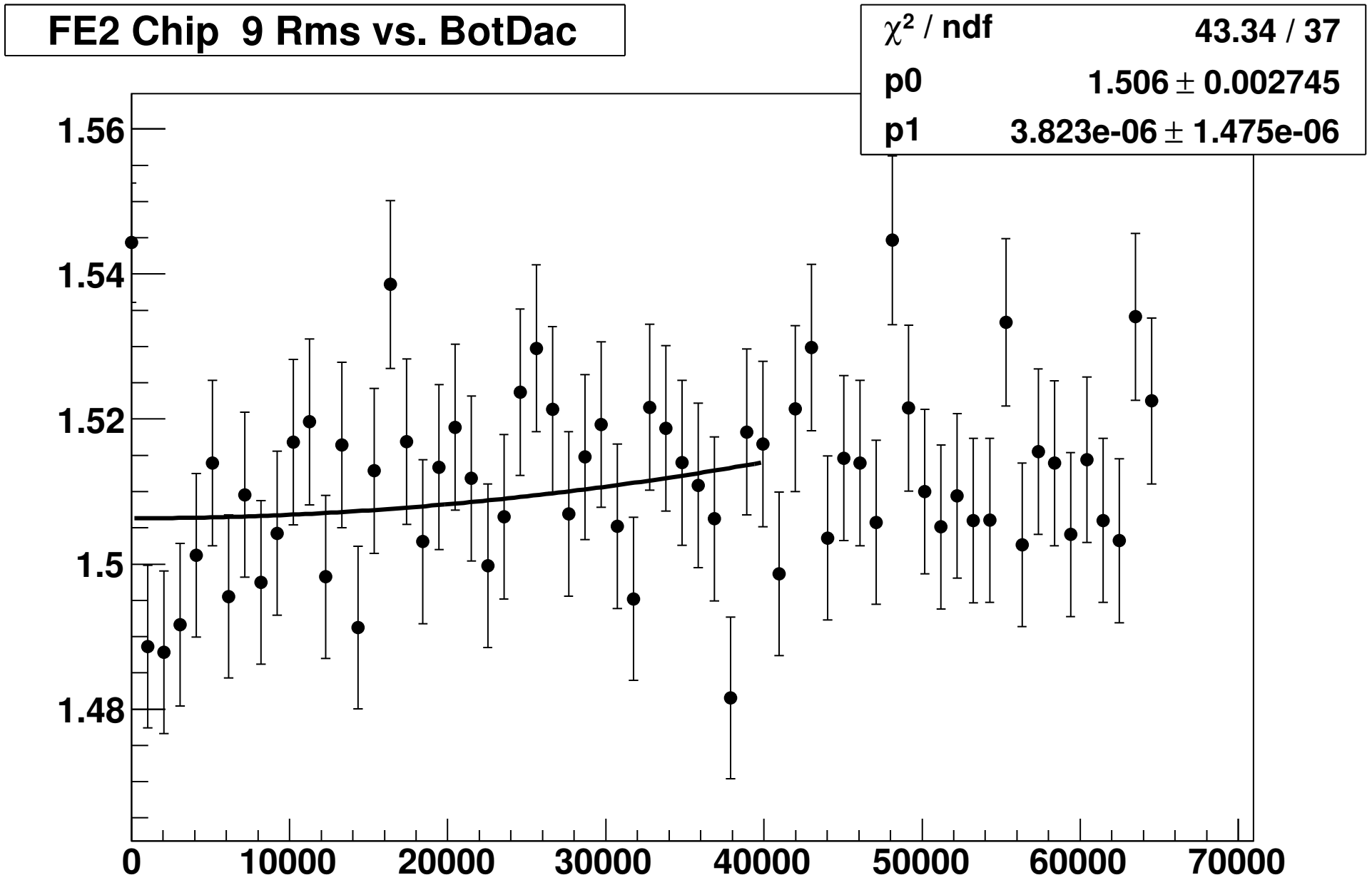

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 1080 / 37
p0 -43.88 ± 0.005011
p1 -4.221e-06 ± 2.133e-07
-43.7
-43.8
-43.9
-44
-44.1
-44.2
0
10000
20000
30000
40000
50000
60000
70000

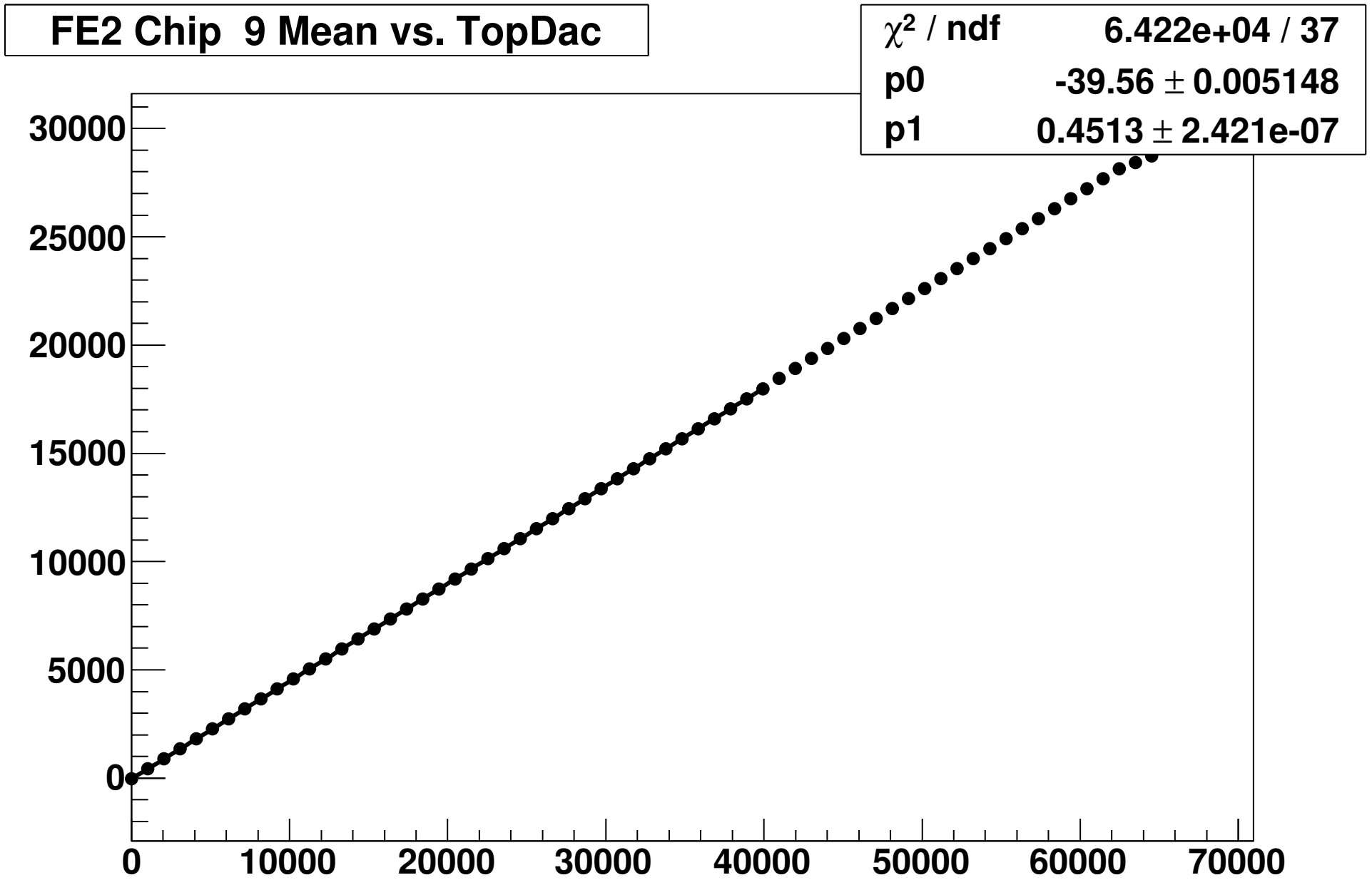

FE2 Chip 8 Rms vs. BotDac
χ² / ndf 30.44 / 37
p0 1.449 ± 0.002634
p1 1.688e-06 ± 3.08e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

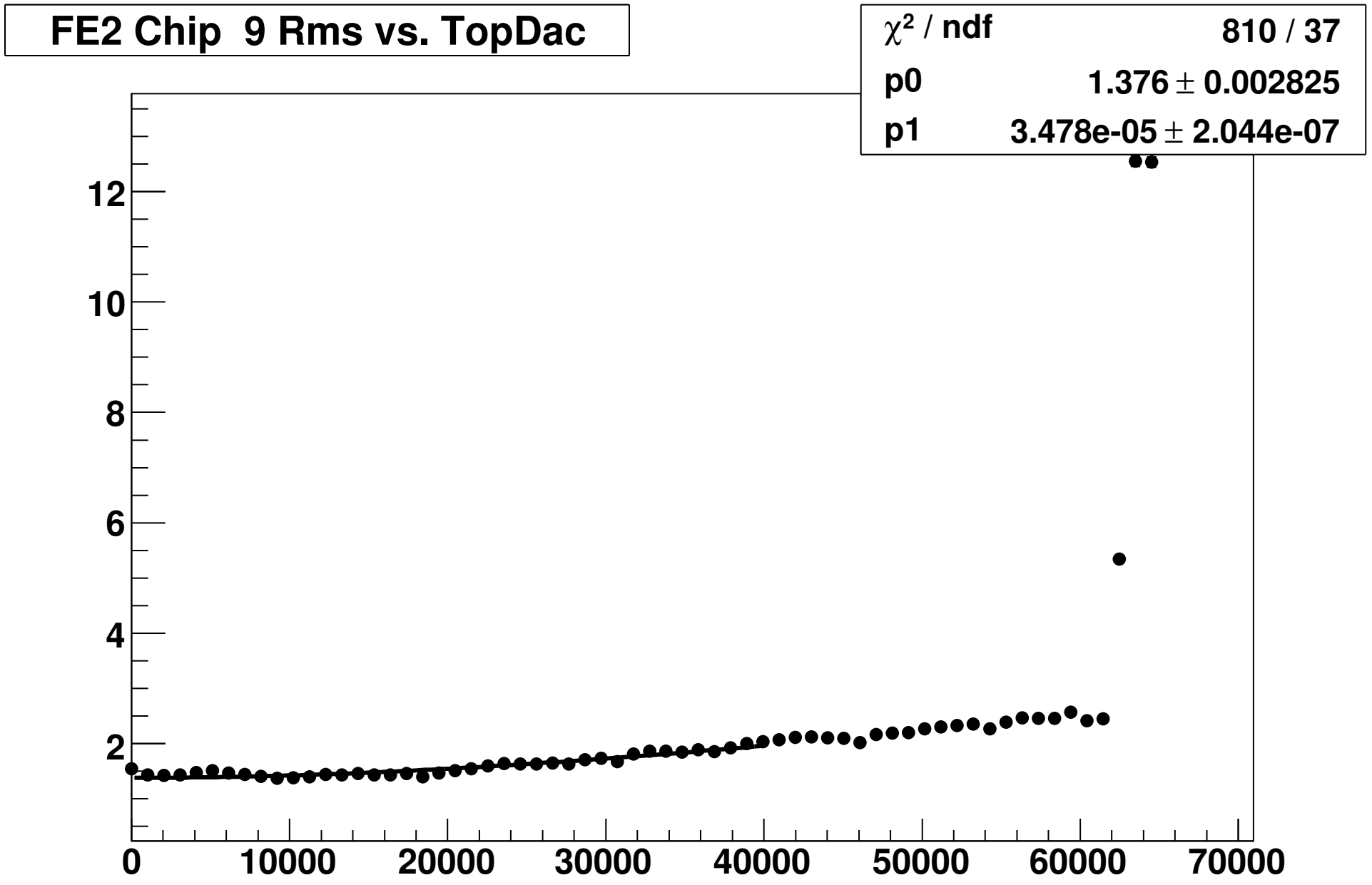

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 4.495e+04 / 37
p0 -44.64 ± 0.00511
p1 0.4513 ± 2.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

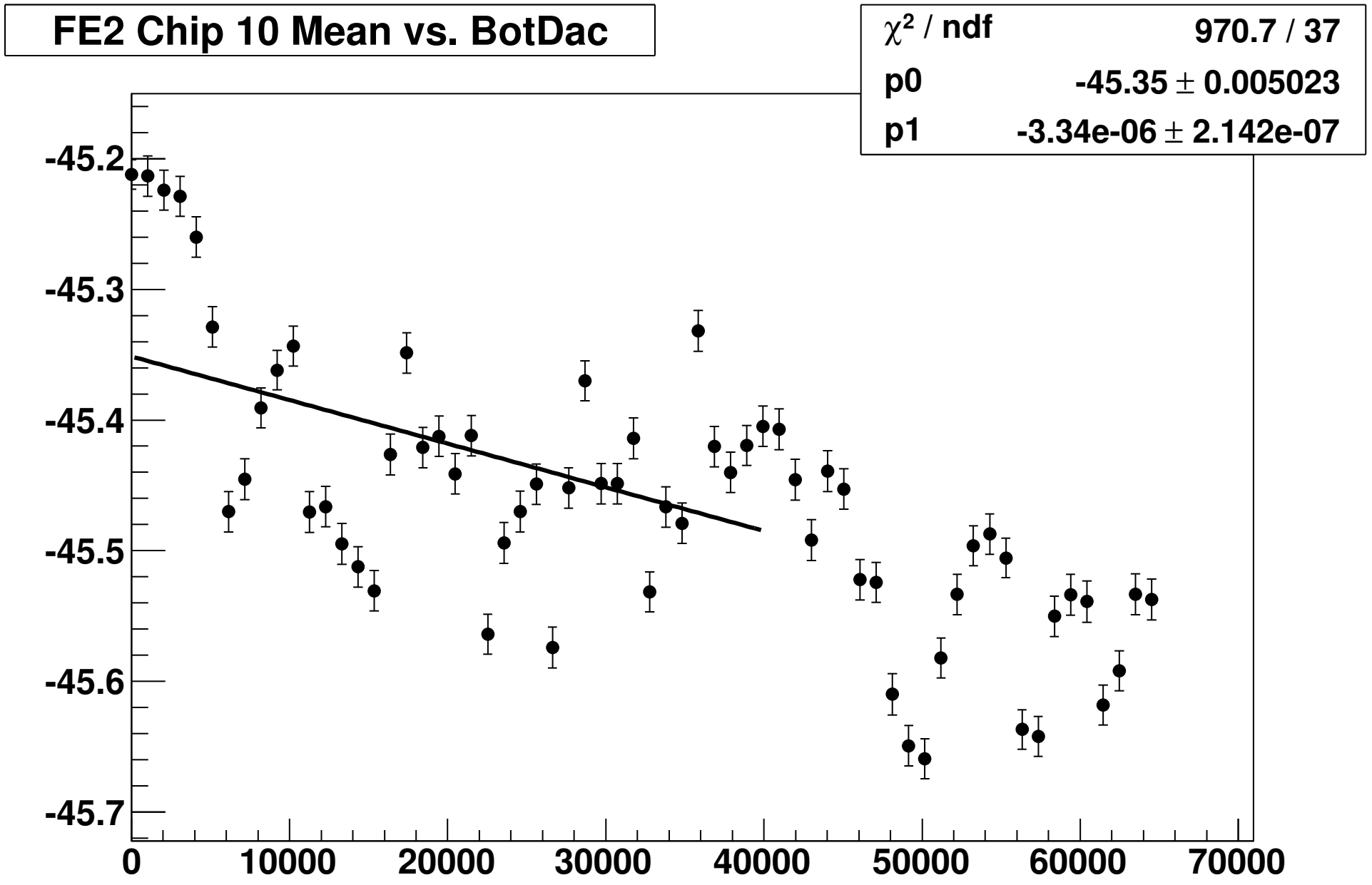

FE2 Chip 8 Rms vs. TopDac
χ² / ndf 857 / 37
p0 1.358 ± 0.002806
p1 3.554e-05 ± 1.994e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

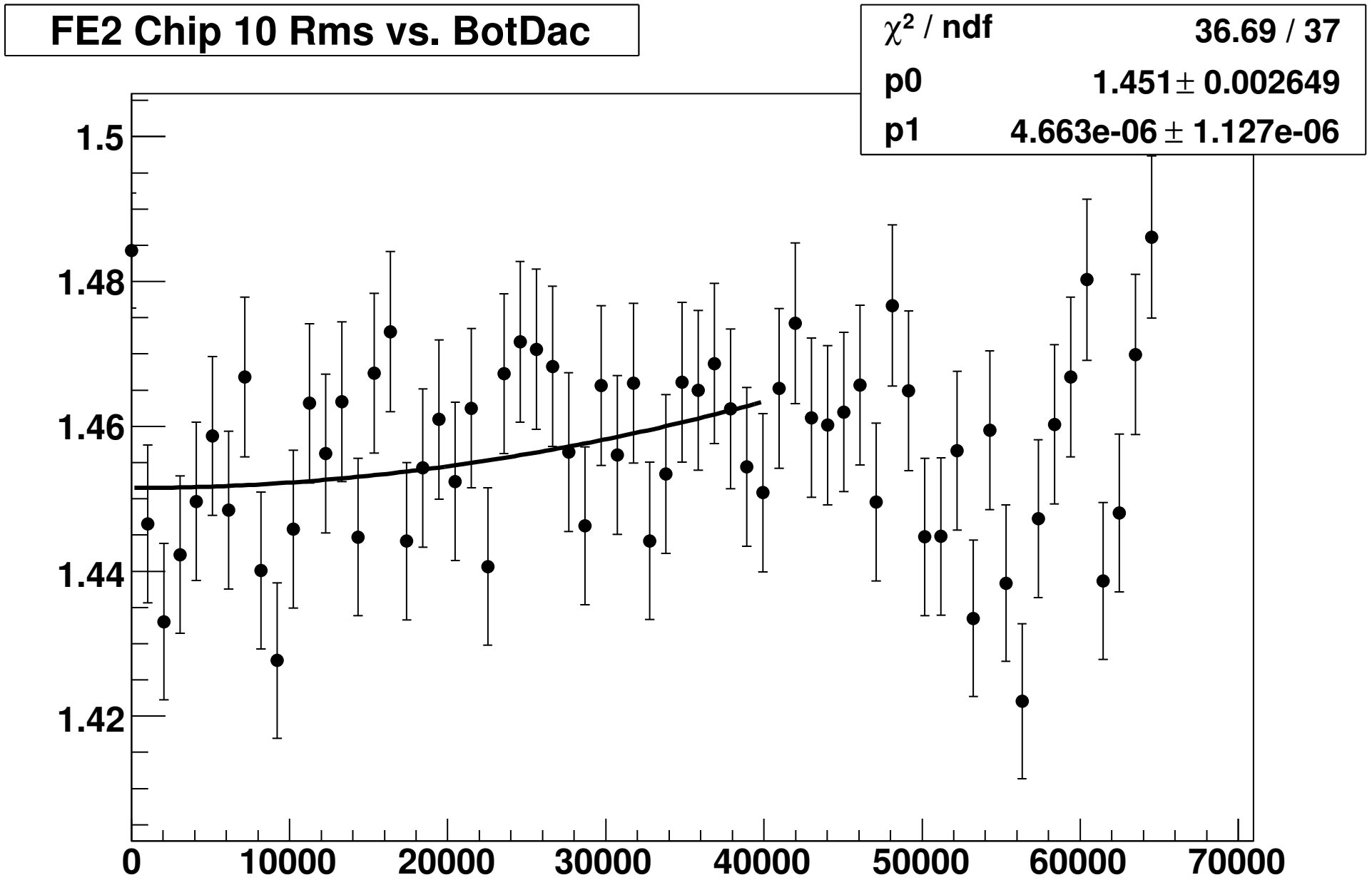

FE2 Chip 9 Mean vs. BotDac
χ² / ndf 1134 / 37
p0 -37.69 ± 0.005204
p1 -4.757e-06 ± 2.217e-07
-37.5
-37.6
-37.7
-37.8
-37.9
-38
-38.1
0
10000
20000
30000
40000
50000
60000
70000

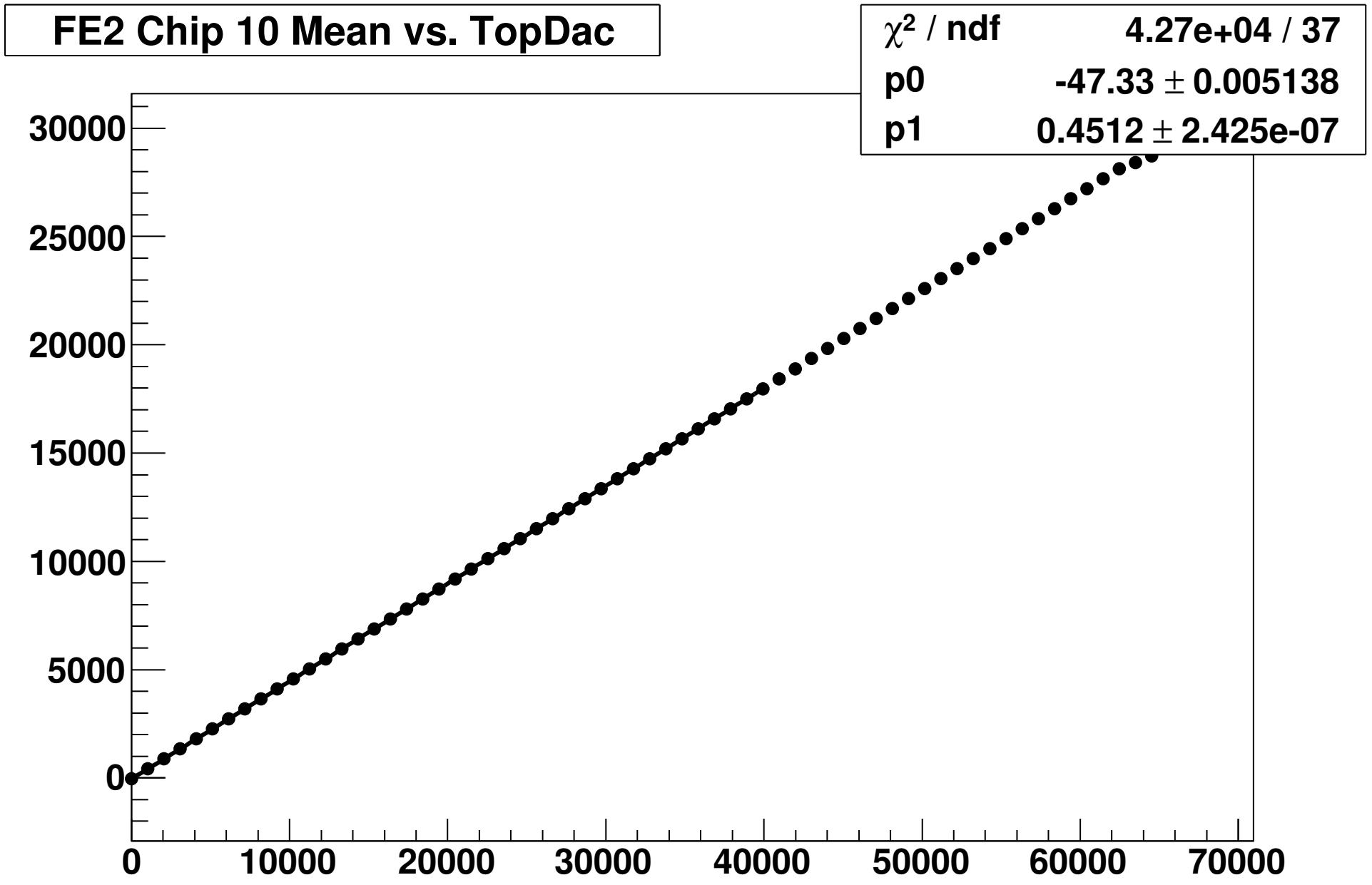

FE2 Chip 9 Rms vs. BotDac
χ² / ndf 43.34 / 37
p0 1.506 ± 0.002745
p1 3.823e-06 ± 1.475e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

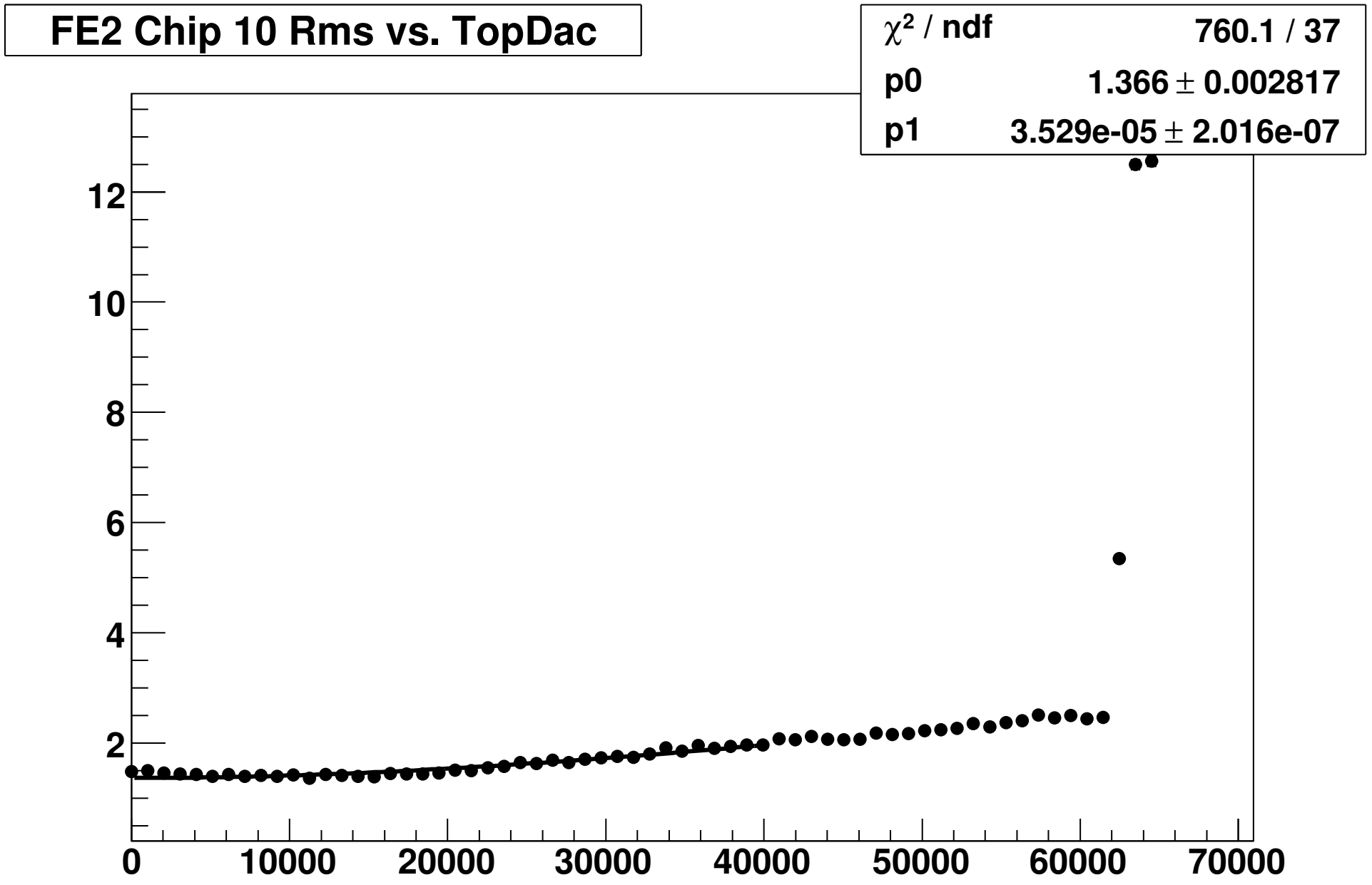

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 6.422e+04 / 37
p0 -39.56 ± 0.005148
p1 0.4513 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

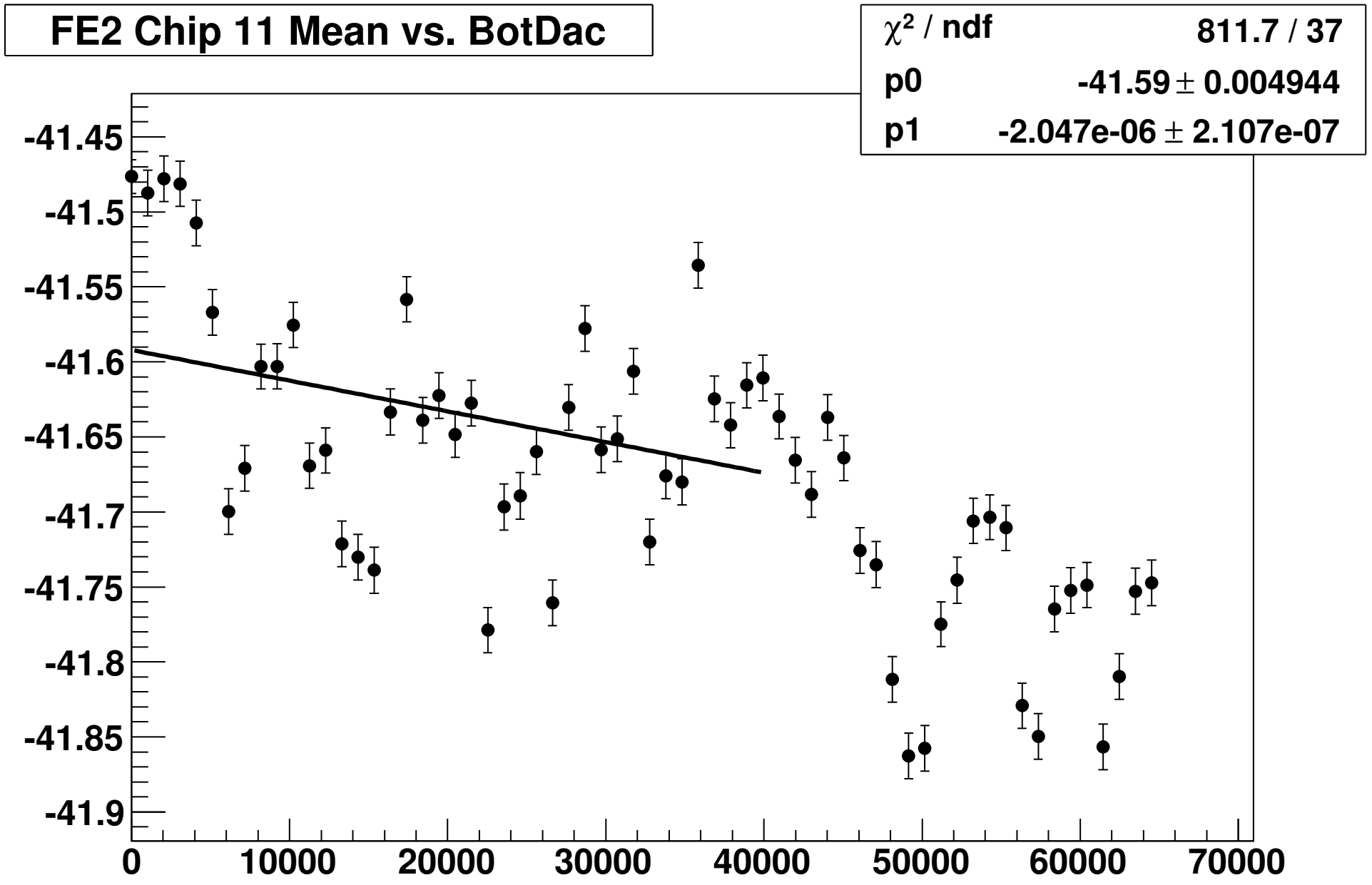

FE2 Chip 9 Rms vs. TopDac
χ² / ndf 810 / 37
p0 1.376 ± 0.002825
p1 3.478e-05 ± 2.044e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

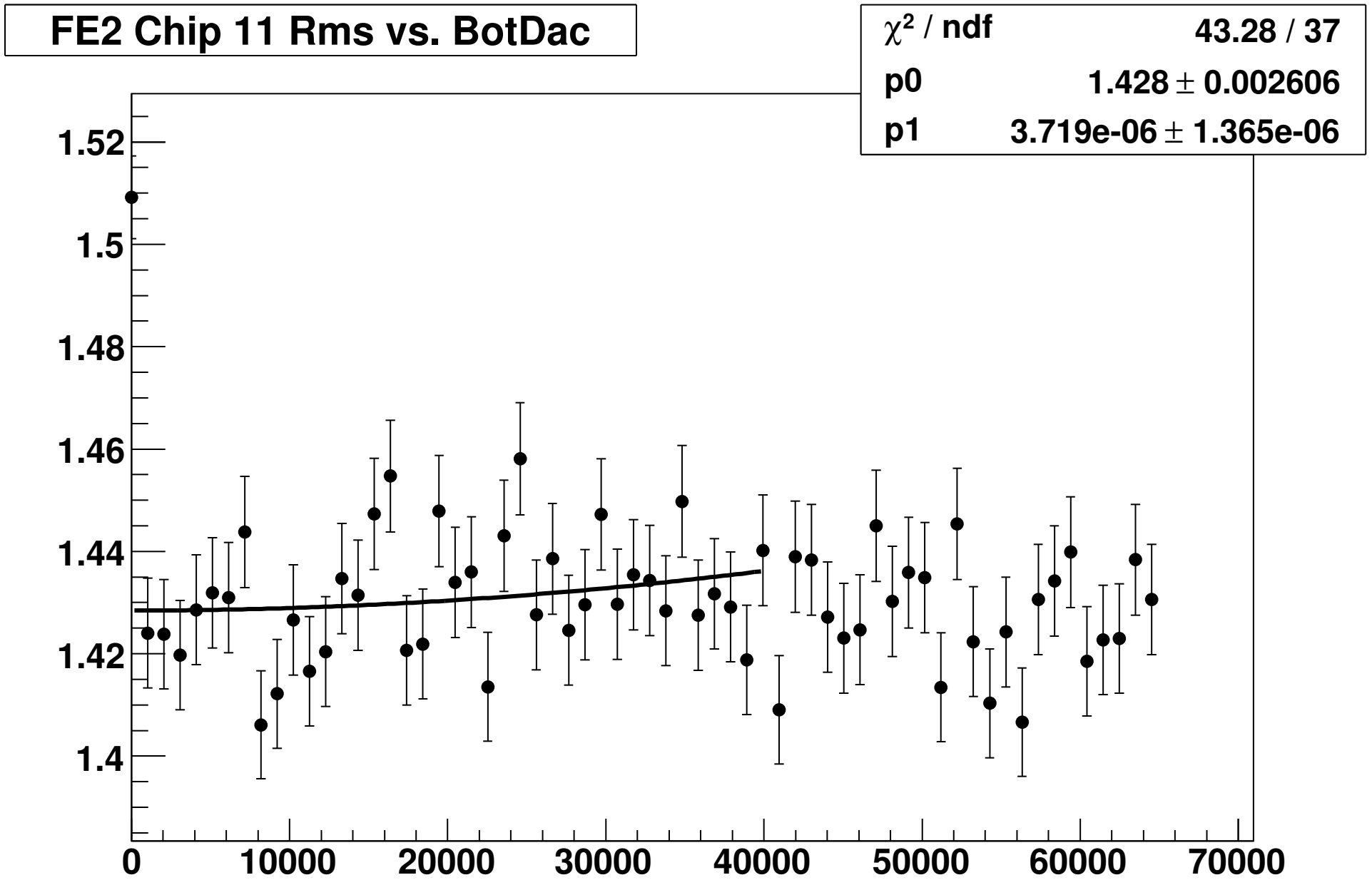

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 970.7 / 37
p0 -45.35 ± 0.005023
p1 -3.34e-06 ± 2.142e-07
-45.2
-45.3
-45.4
-45.5
-45.6
-45.7
0
10000
20000
30000
40000
50000
60000
70000

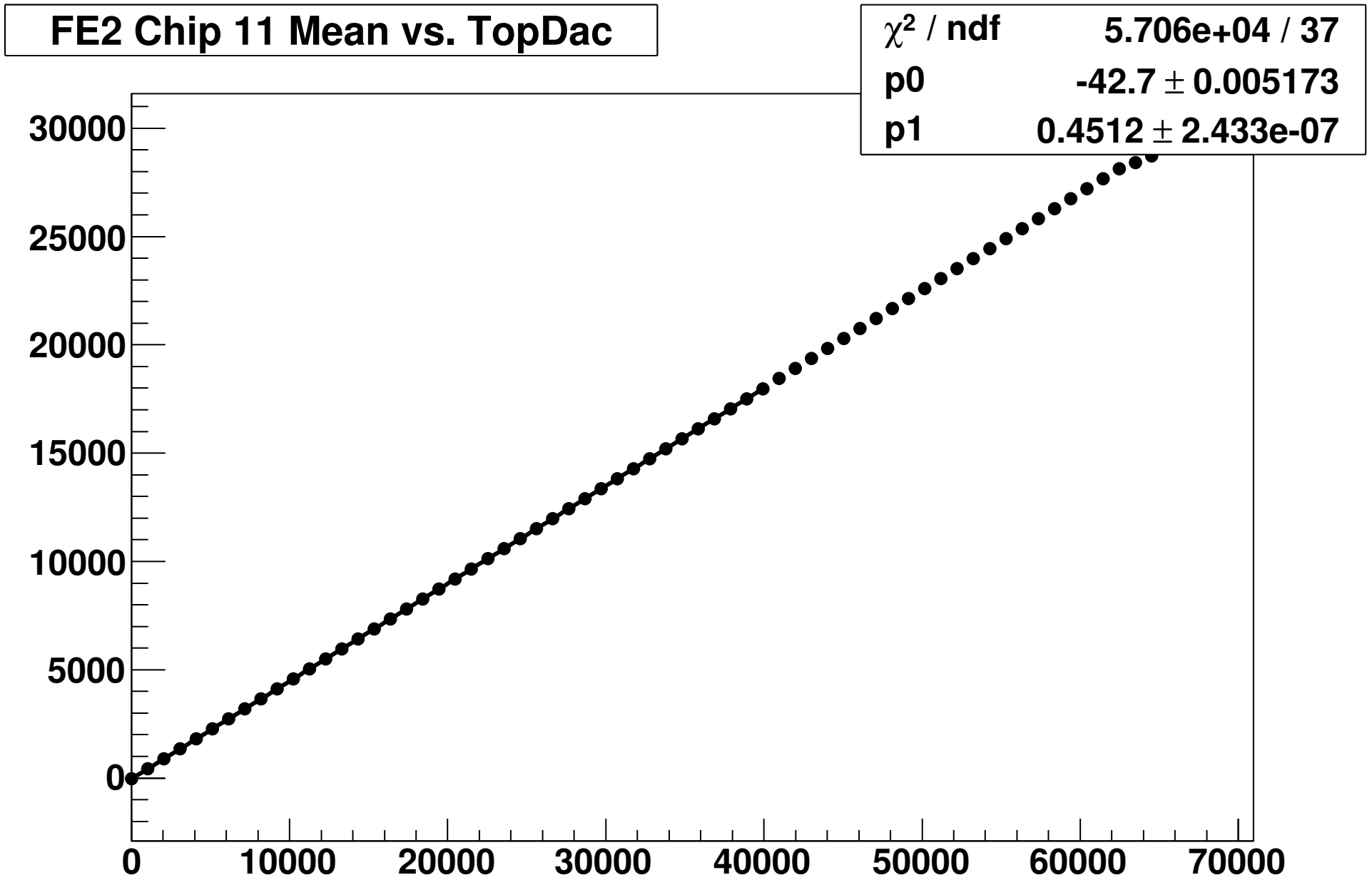

FE2 Chip 10 Rms vs. BotDac
χ² / ndf 36.69 / 37
p0 1.451 ± 0.002649
p1 4.663e-06 ± 1.127e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

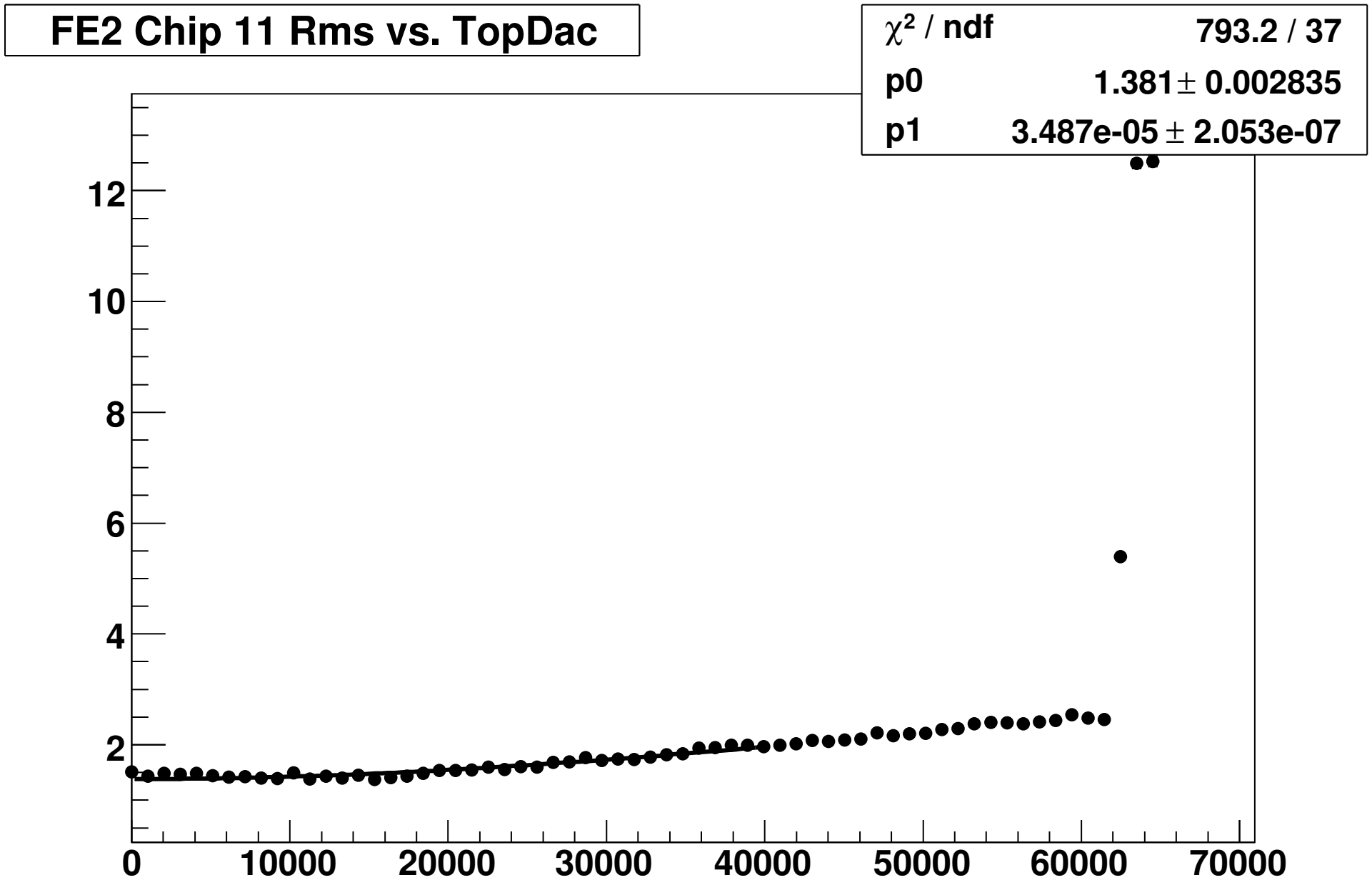

FE2 Chip 10 Mean vs. TopDac
χ² / ndf 4.27e+04 / 37
p0 -47.33 ± 0.005138
p1 0.4512 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

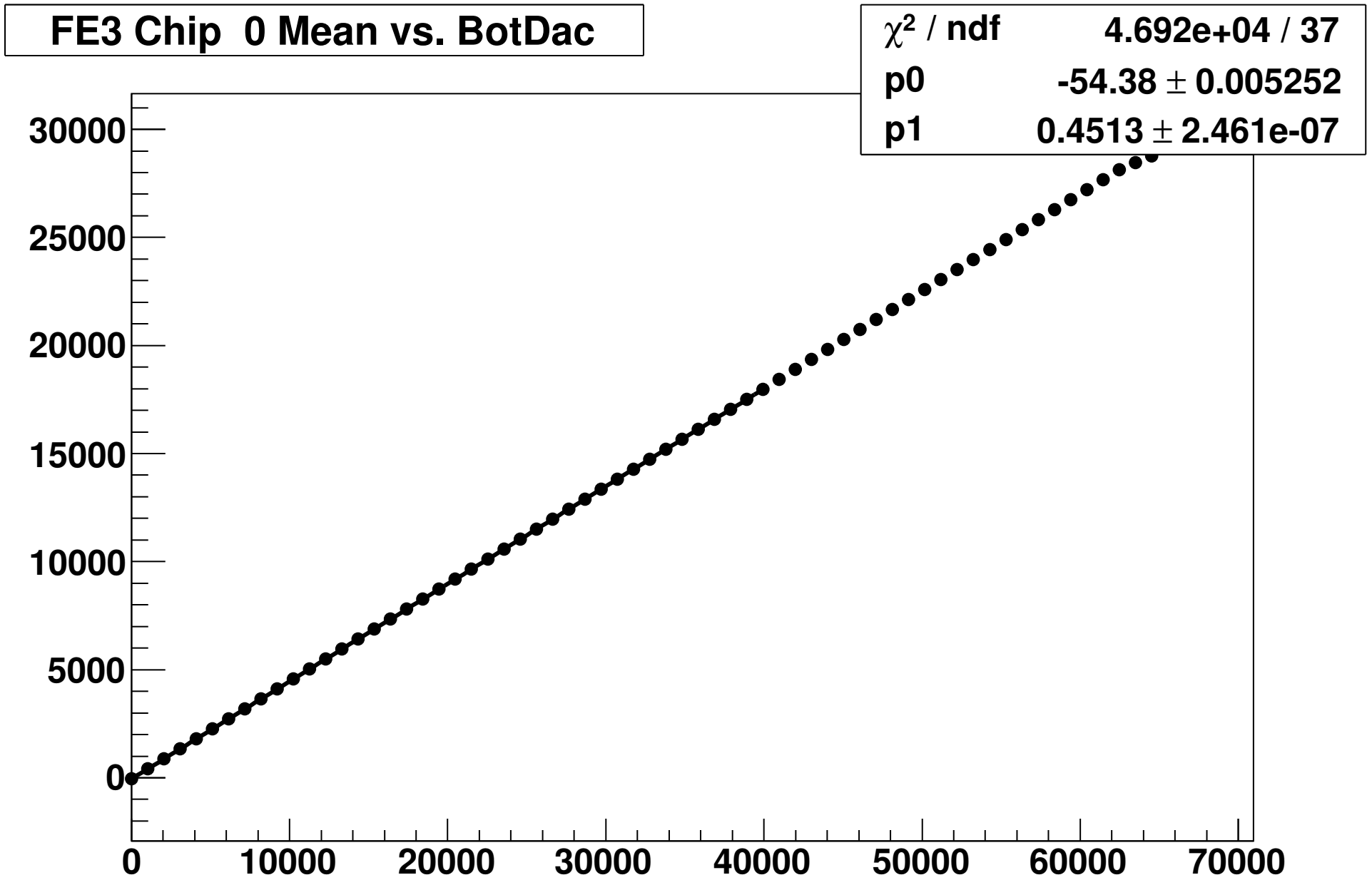

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 760.1 / 37
p0 1.366 ± 0.002817
p1 3.529e-05 ± 2.016e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

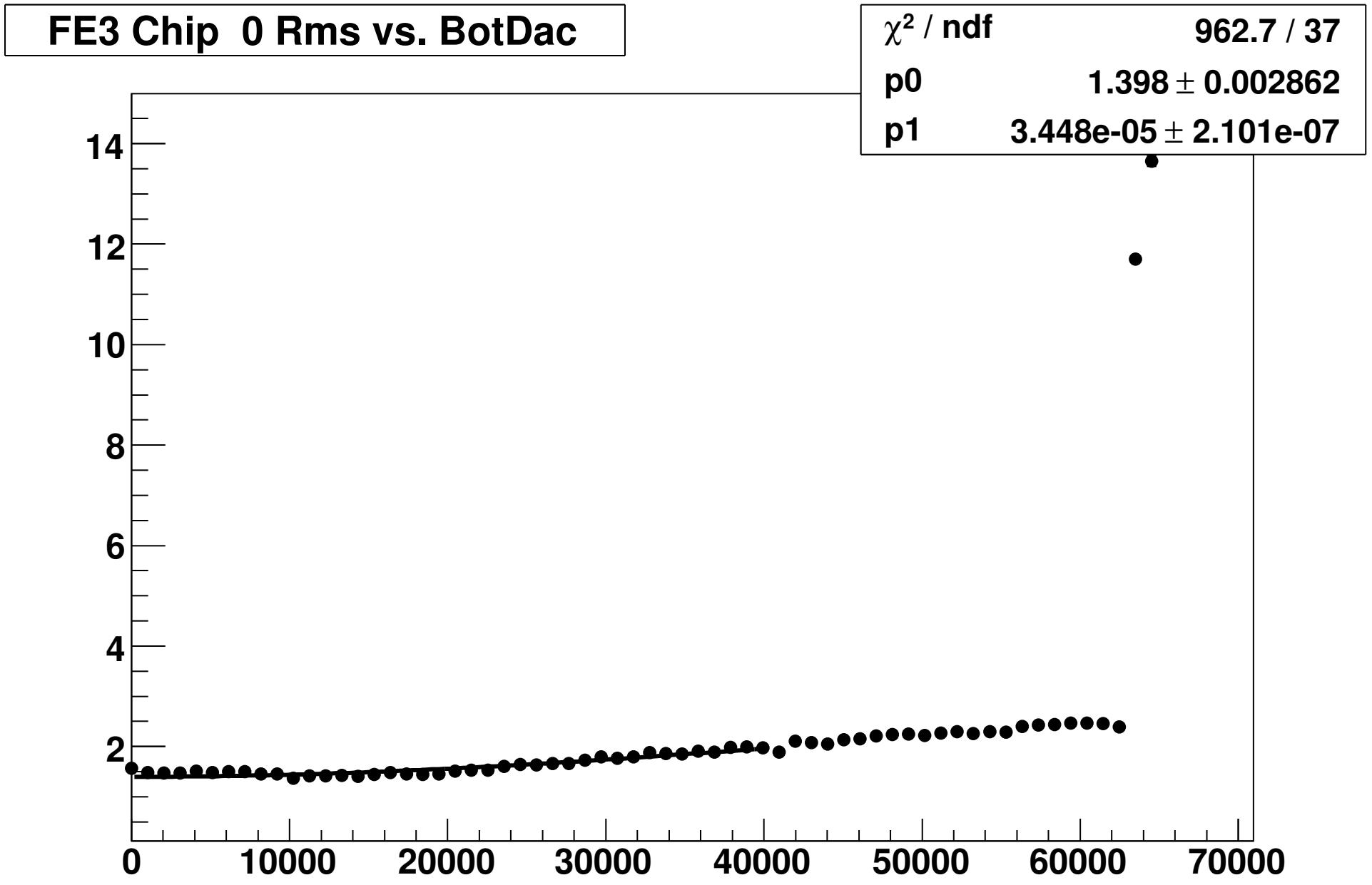

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 811.7 / 37
p0 -41.59 ± 0.004944
p1 -2.047e-06 ± 2.107e-07
-41.45
-41.5
-41.55
-41.6
-41.65
-41.7
-41.75
-41.8
-41.85
-41.9
0
10000
20000
30000
40000
50000
60000
70000

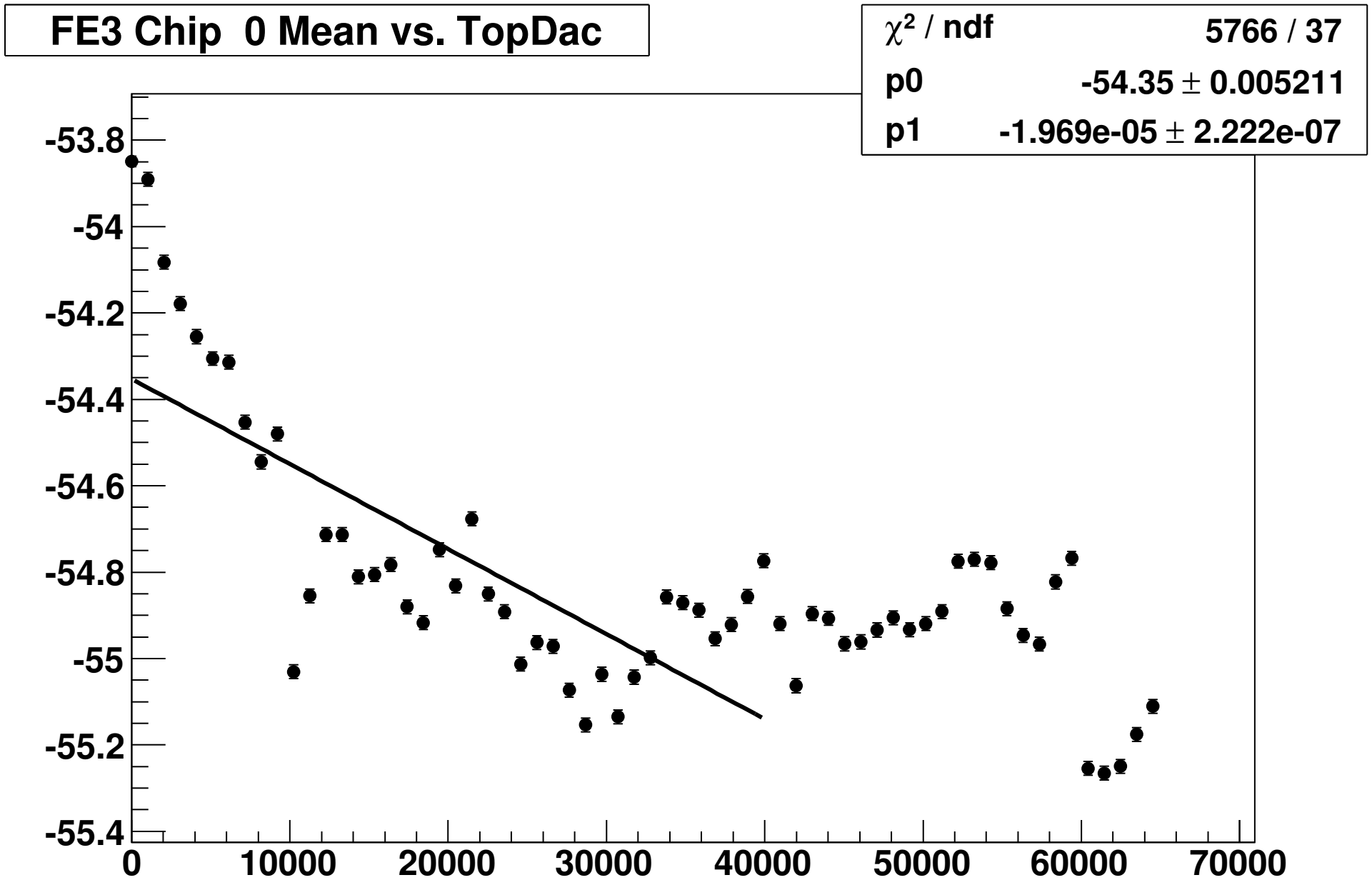

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 43.28 / 37
p0 1.428 ± 0.002606
p1 3.719e-06 ± 1.365e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

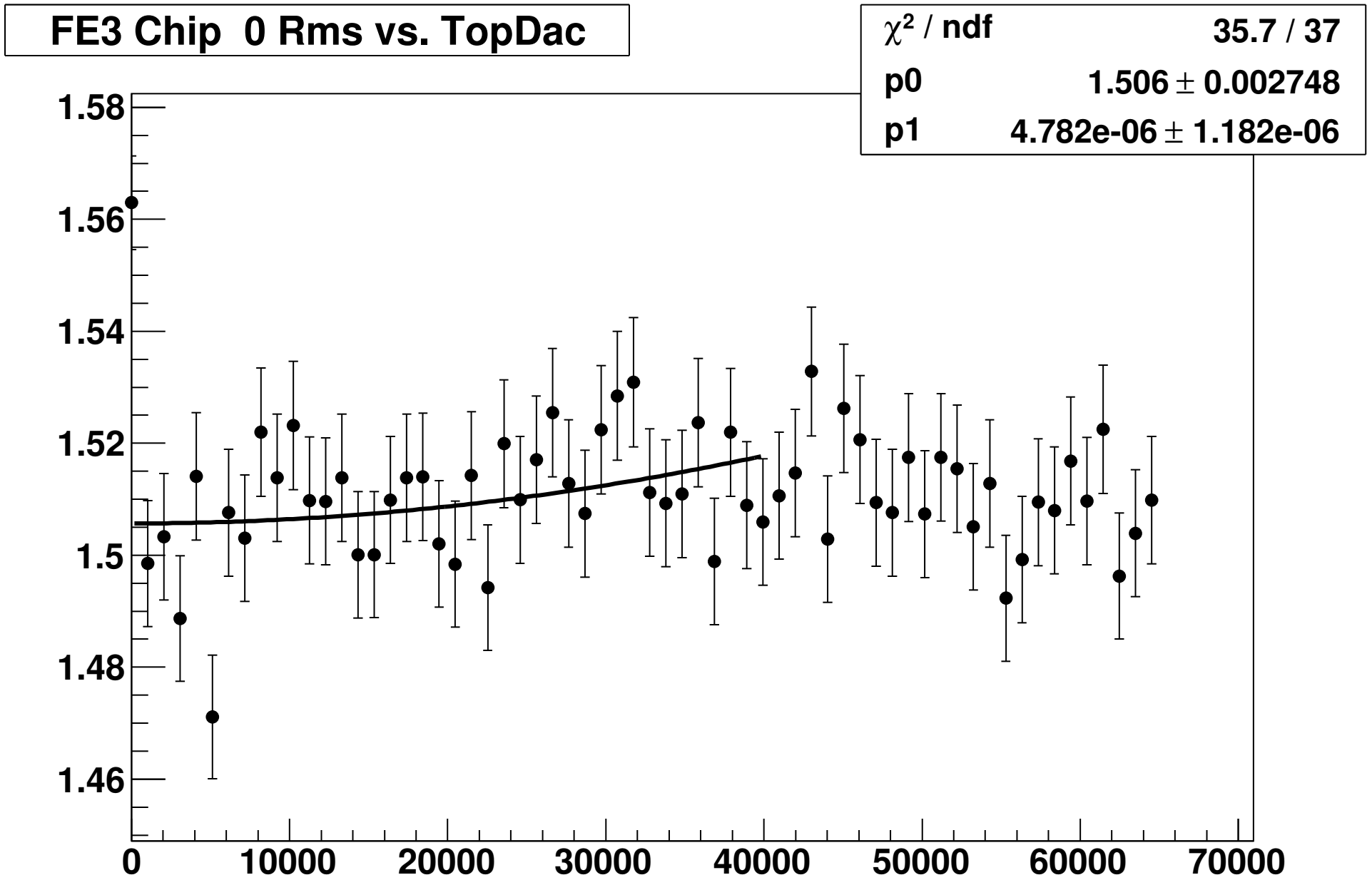

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 5.706e+04 / 37
p0 -42.7 ± 0.005173
p1 0.4512 ± 2.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

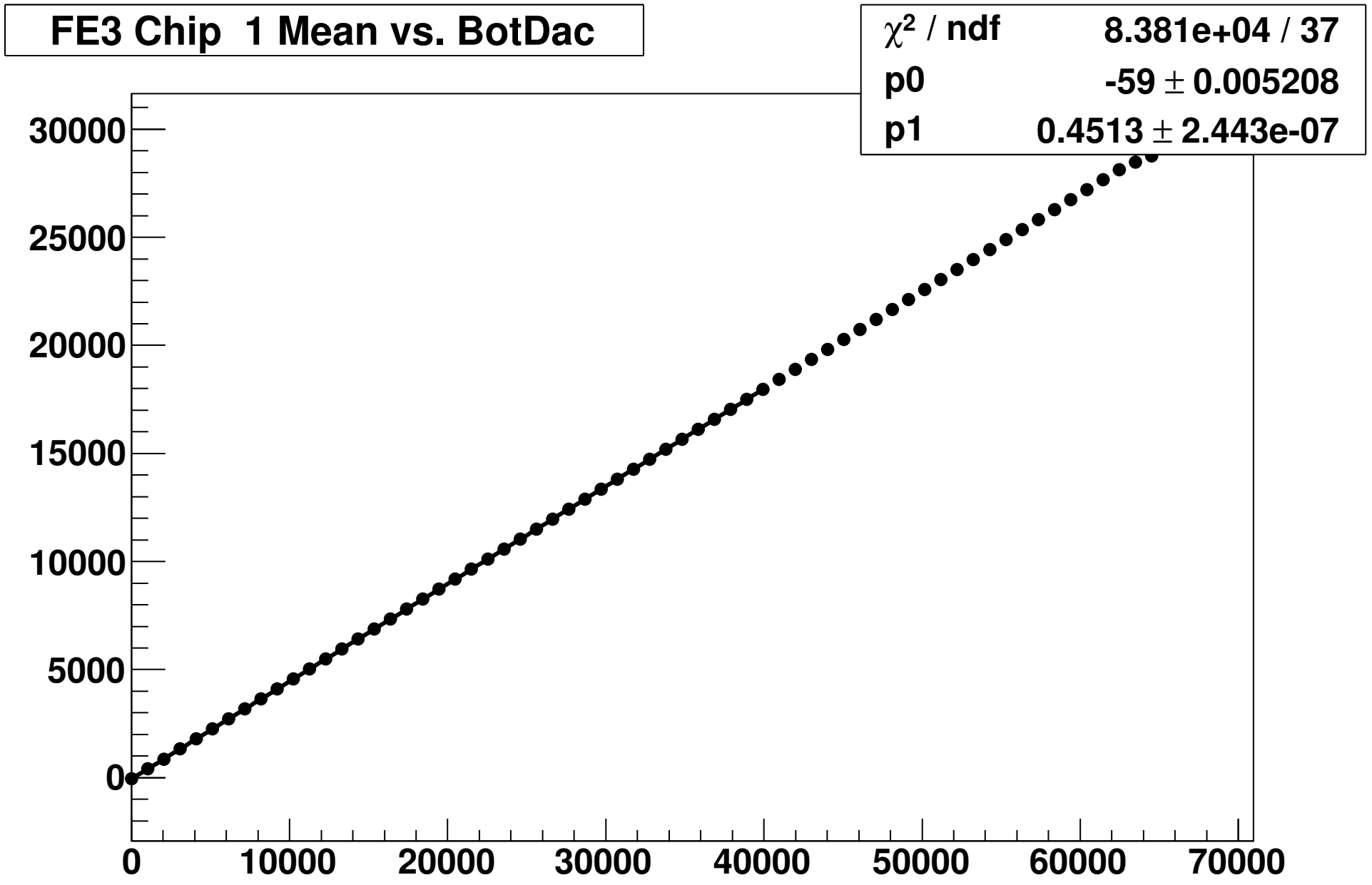

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 793.2 / 37
p0 1.381 ± 0.002835
p1 3.487e-05 ± 2.053e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

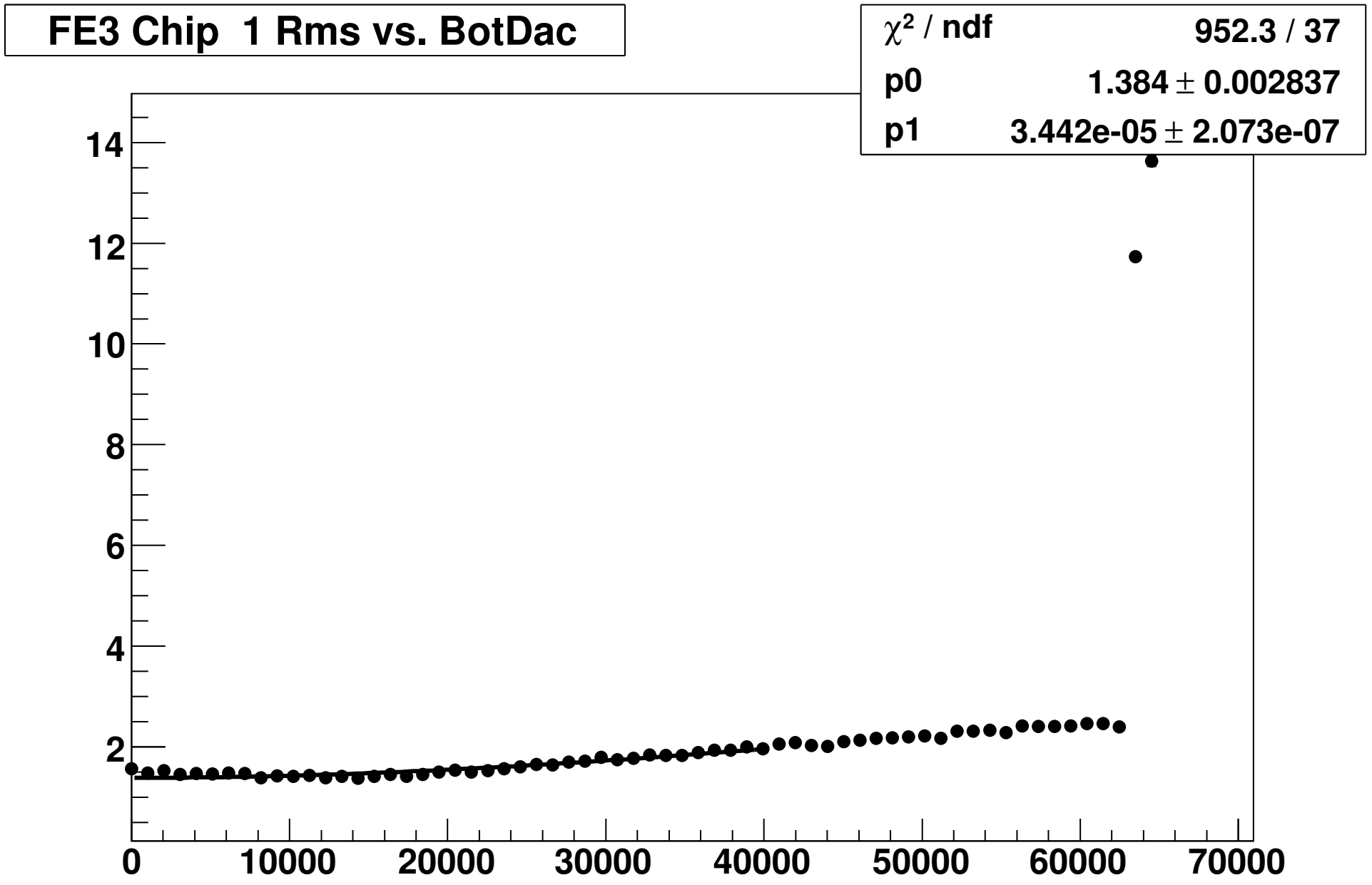

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 4.692e+04 / 37
p0 -54.38 ± 0.005252
p1 0.4513 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

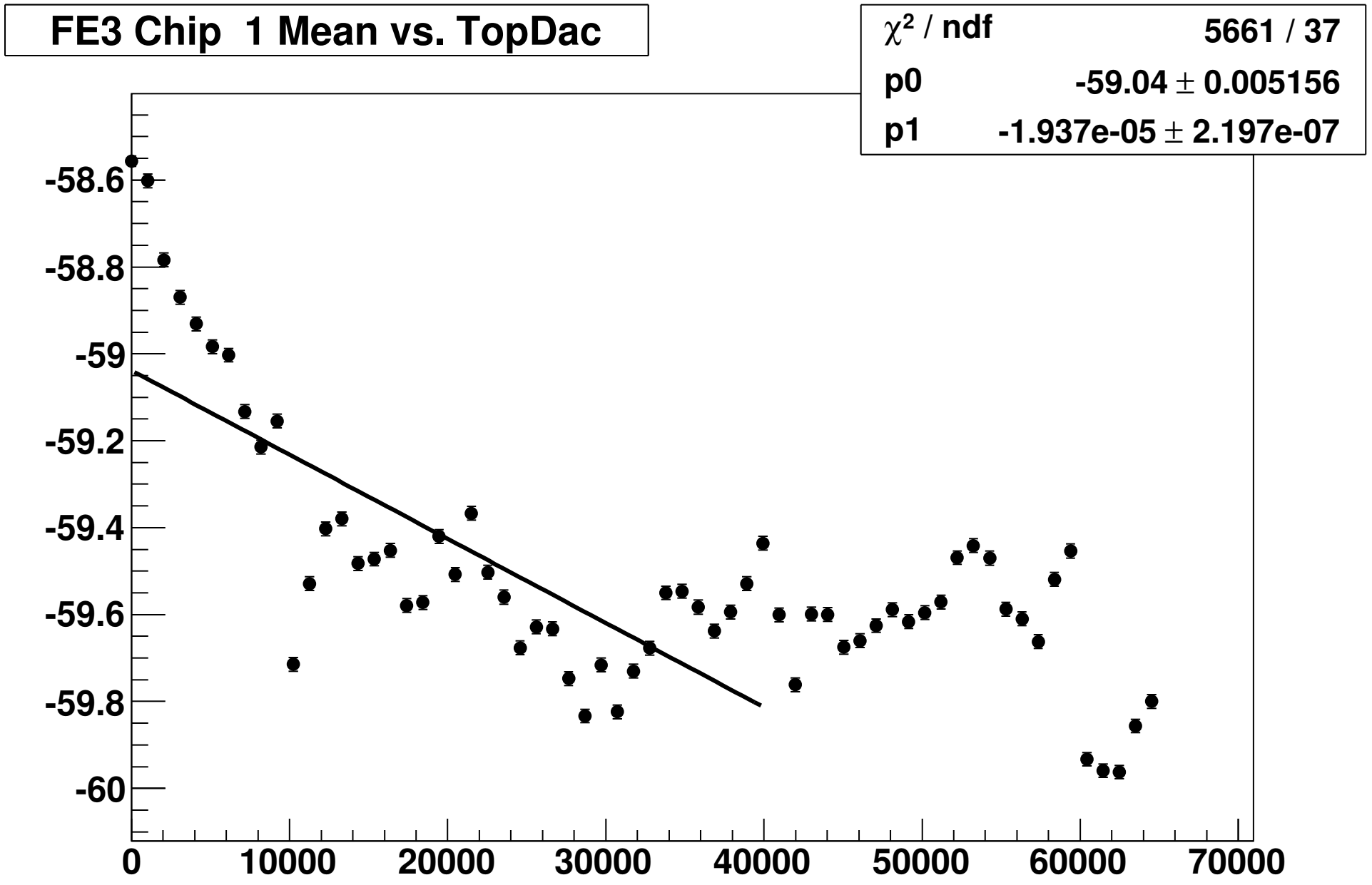

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 962.7 / 37
p0 1.398 ± 0.002862
p1 3.448e-05 ± 2.101e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

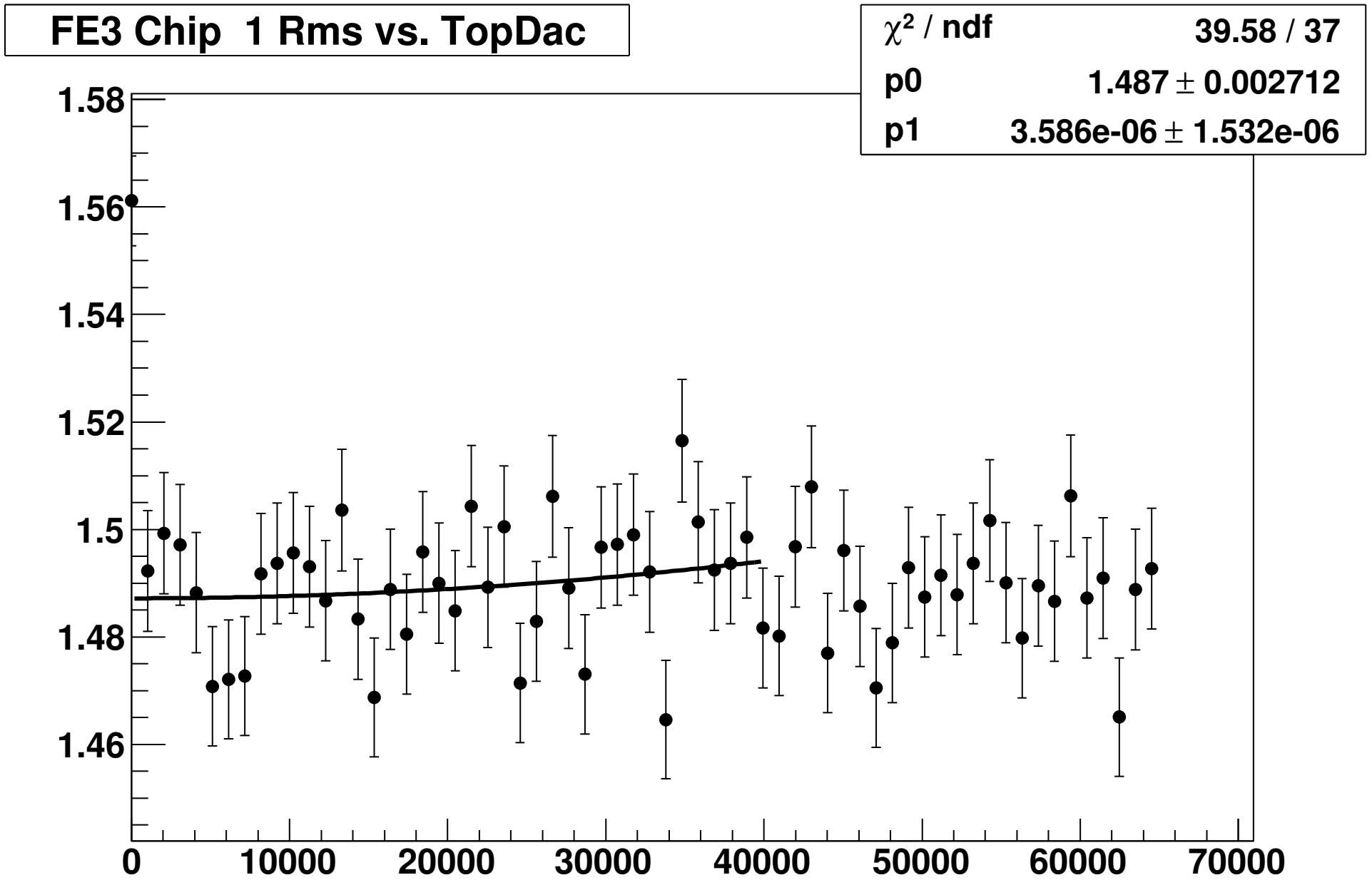

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 5766 / 37
p0 -54.35 ± 0.005211
p1 -1.969e-05 ± 2.222e-07
-53.8
-54
-54.2
-54.4
-54.6
-54.8
-55
-55.2
-55.4
0
10000
20000
30000
40000
50000
60000
70000

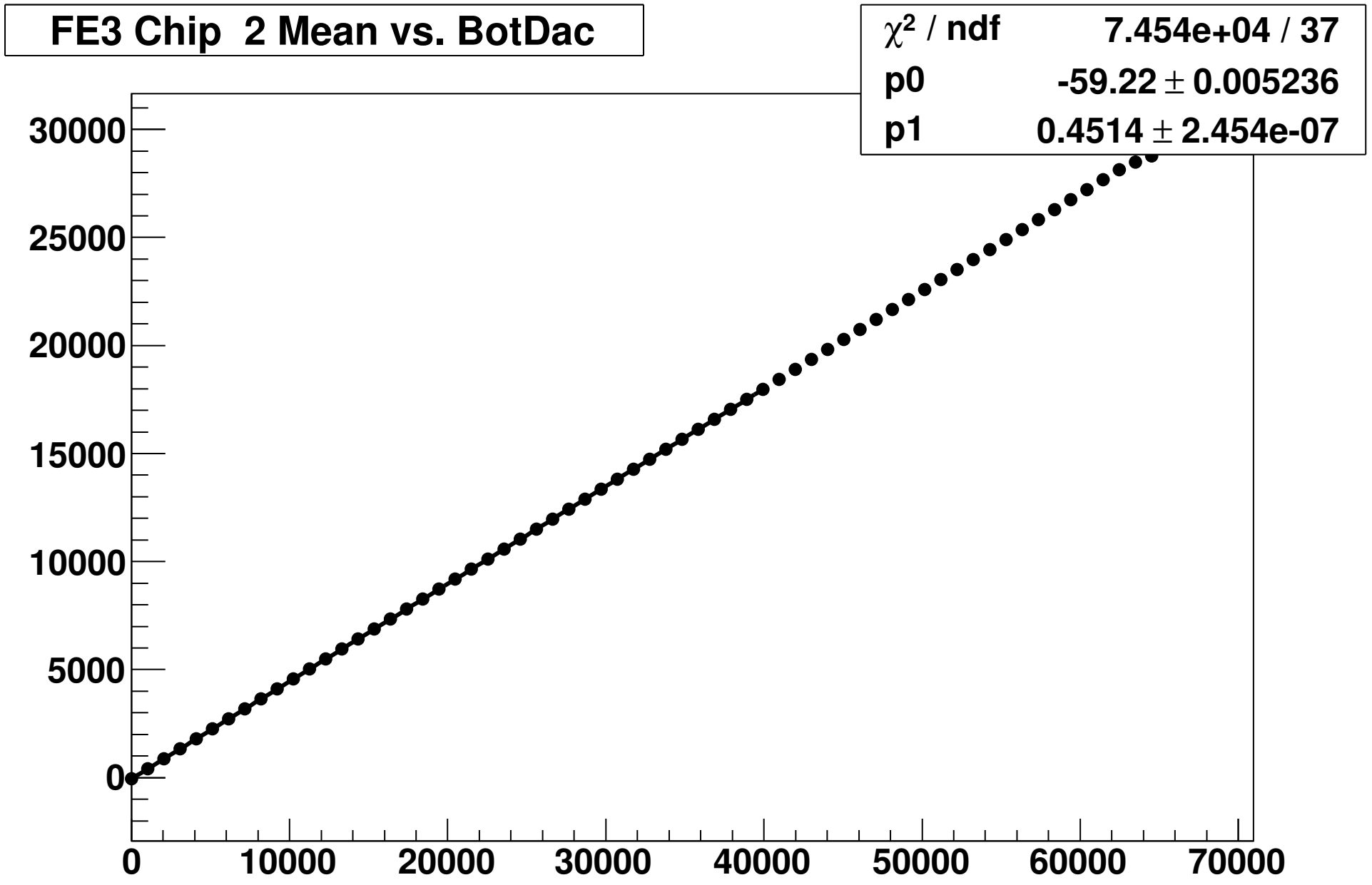

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 35.7 / 37
p0 1.506 ± 0.002748
p1 4.782e-06 ± 1.182e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

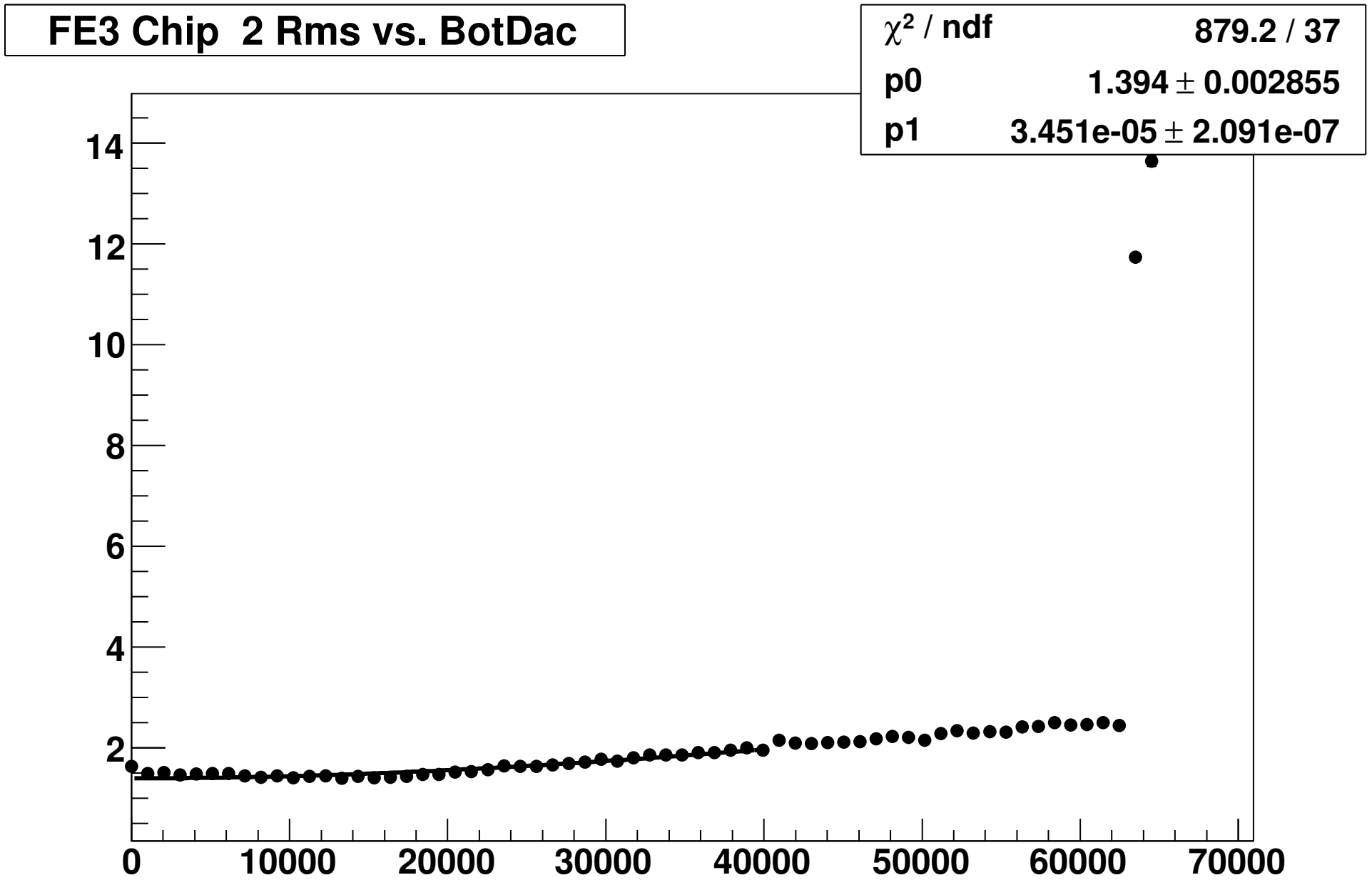

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 8.381e+04 / 37
p0 -59 ± 0.005208
p1 0.4513 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

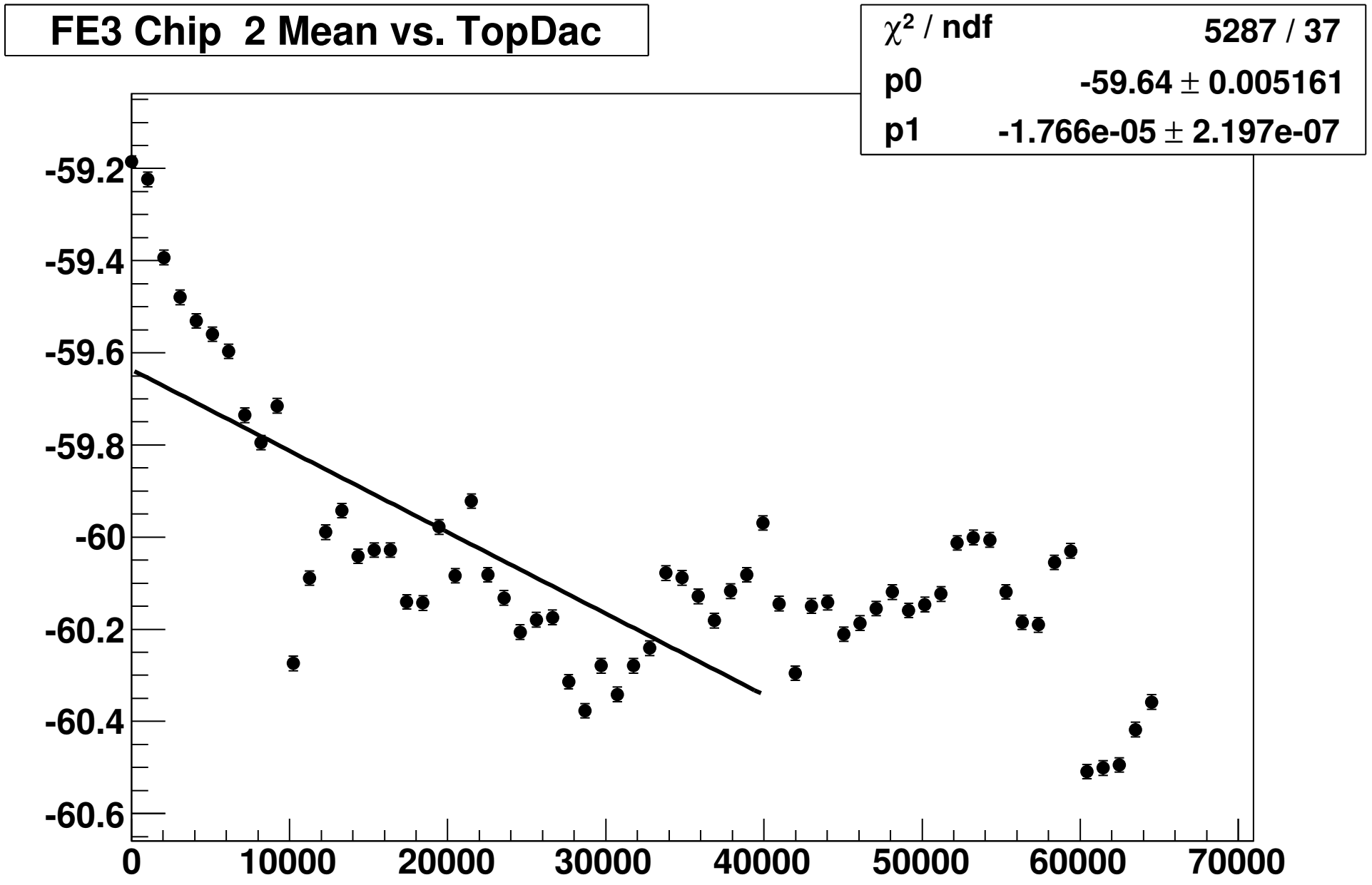

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 952.3 / 37
p0 1.384 ± 0.002837
p1 3.442e-05 ± 2.073e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

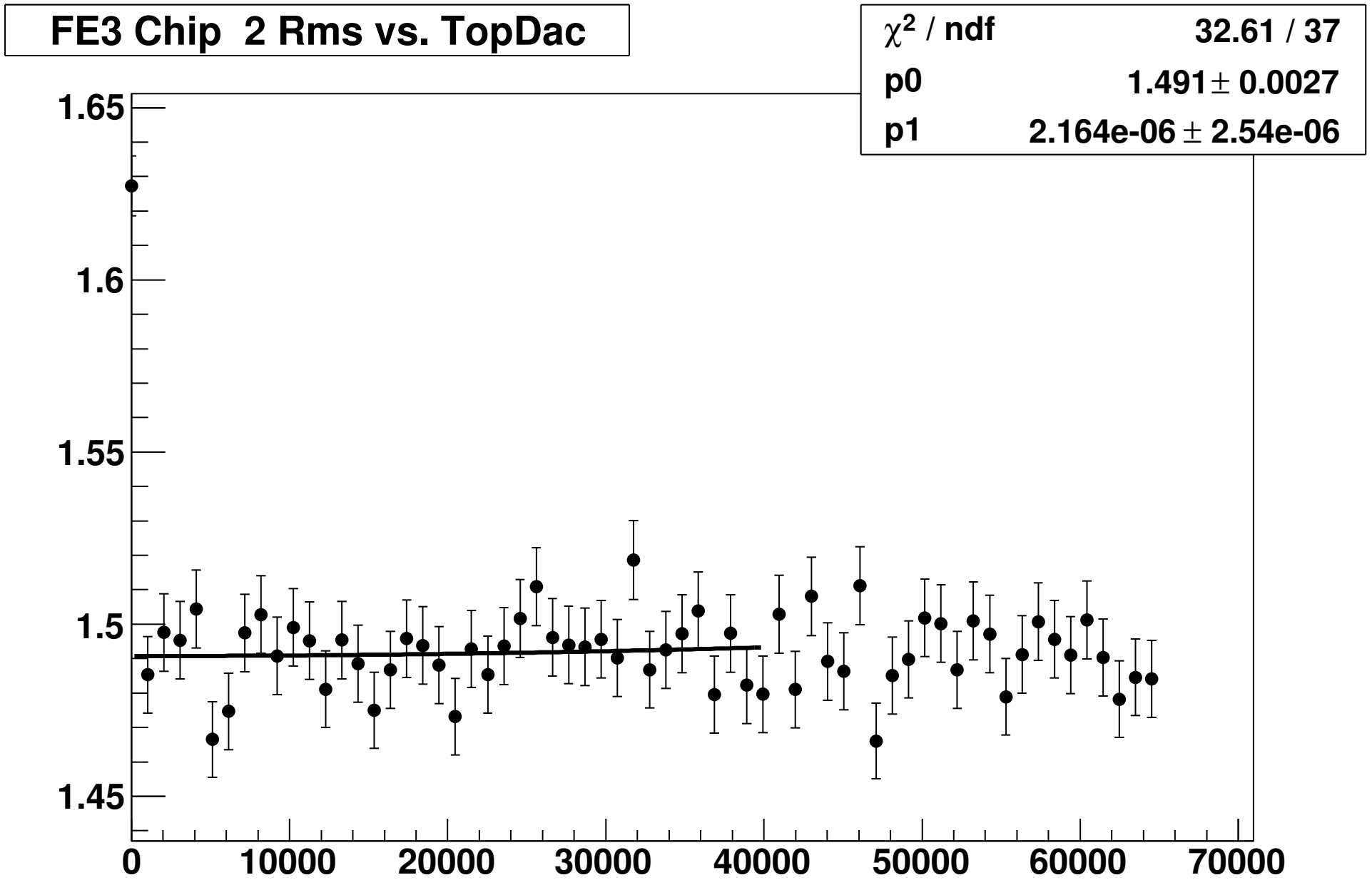

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 5661 / 37
p0 -59.04 ± 0.005156
p1 -1.937e-05 ± 2.197e-07
-58.6
-58.8
-59
-59.2
-59.4
-59.6
-59.8
-60
0
10000
20000
30000
40000
50000
60000
70000

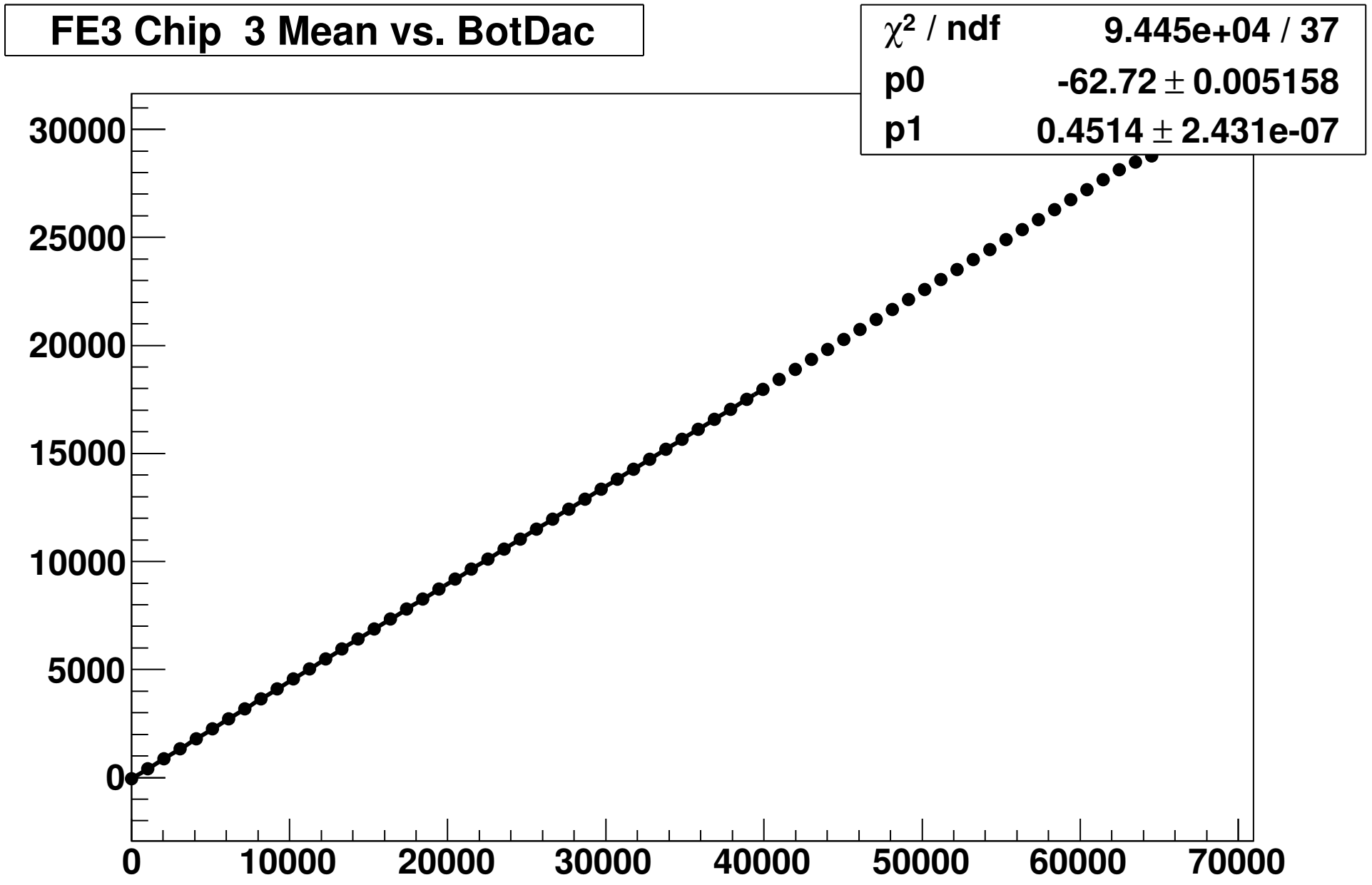

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 39.58 / 37
p0 1.487 ± 0.002712
p1 3.586e-06 ± 1.532e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

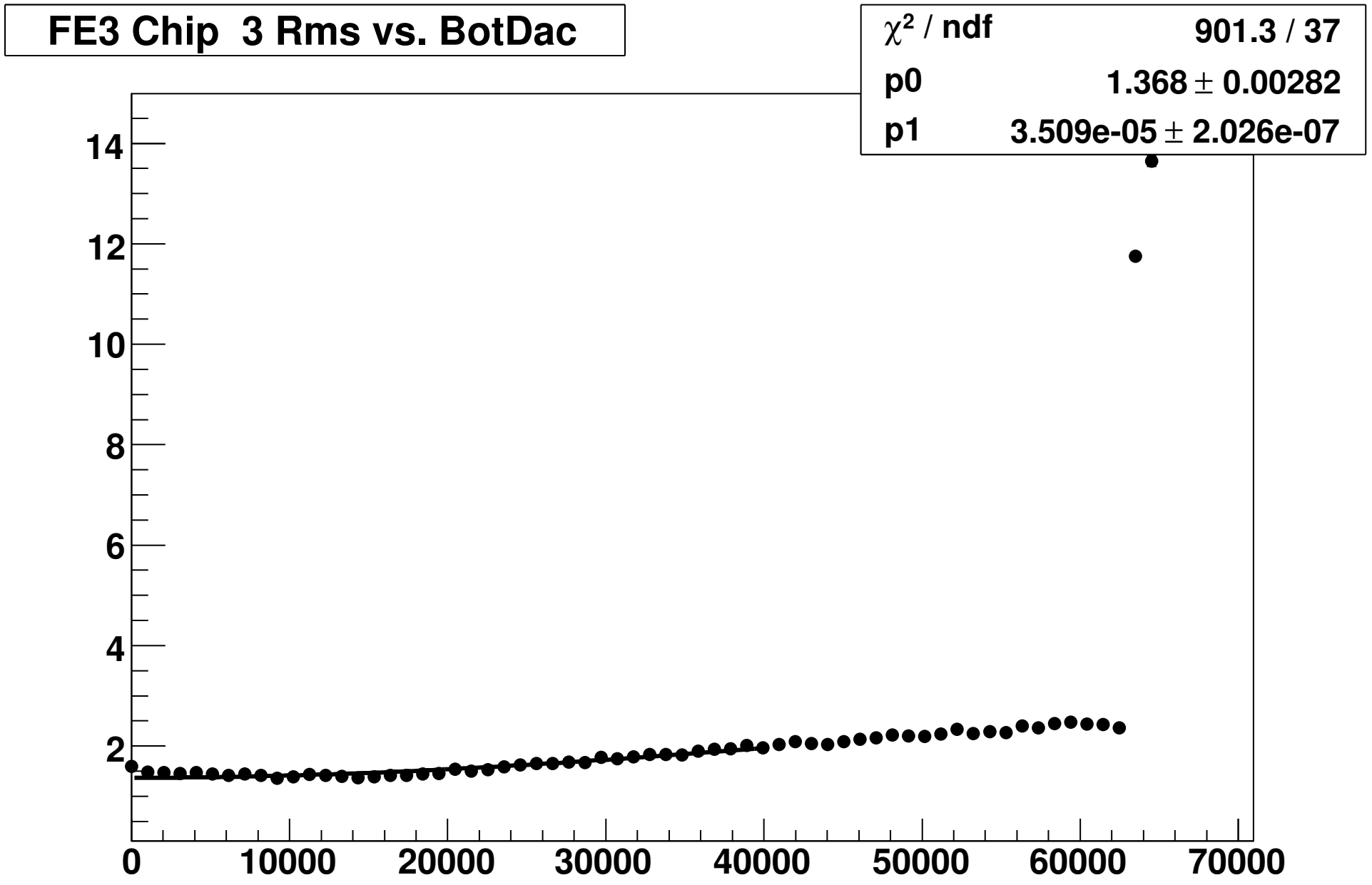

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 7.454e+04 / 37
p0 -59.22 ± 0.005236
p1 0.4514 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

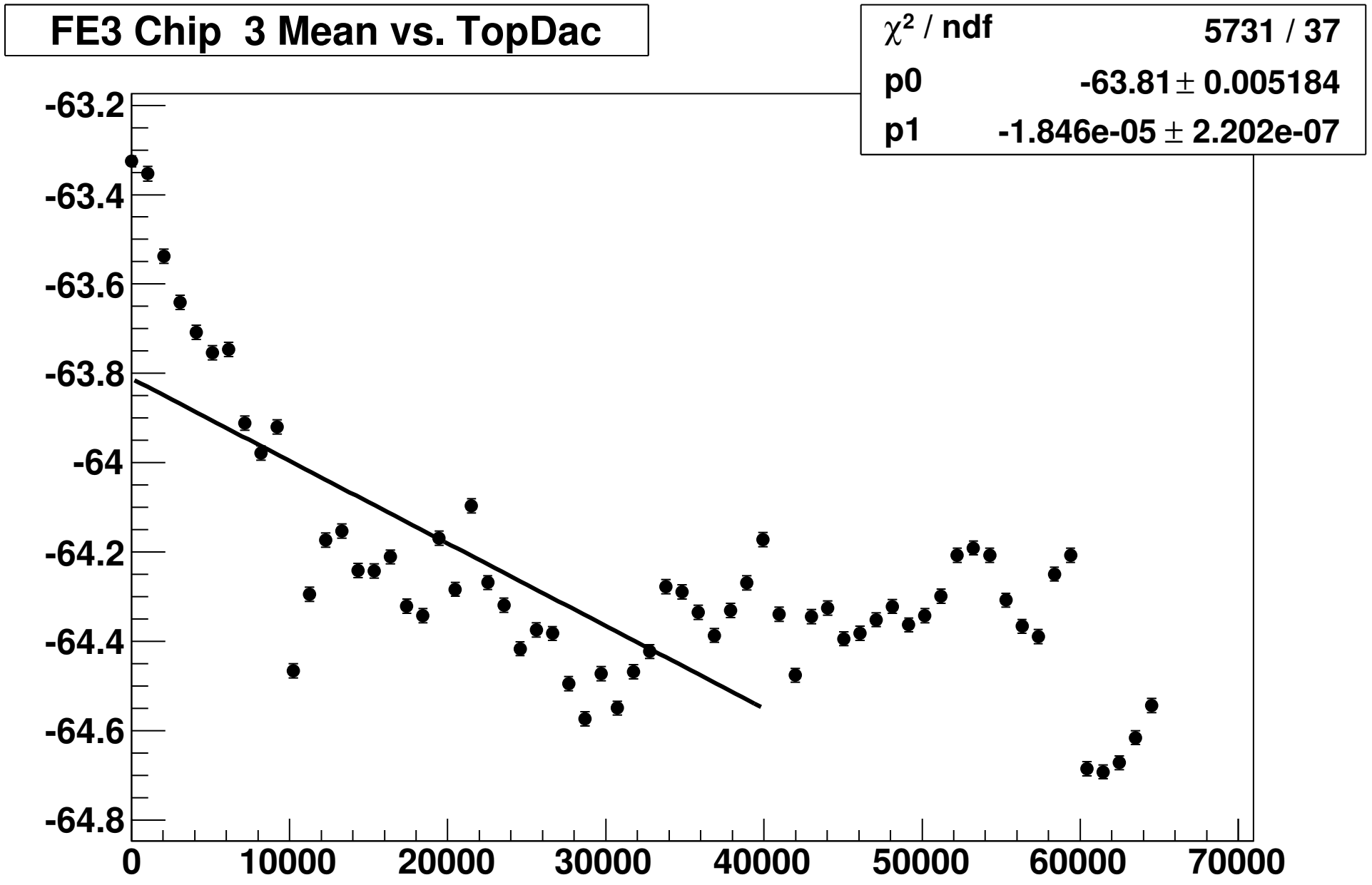

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 879.2 / 37
p0 1.394 ± 0.002855
p1 3.451e-05 ± 2.091e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

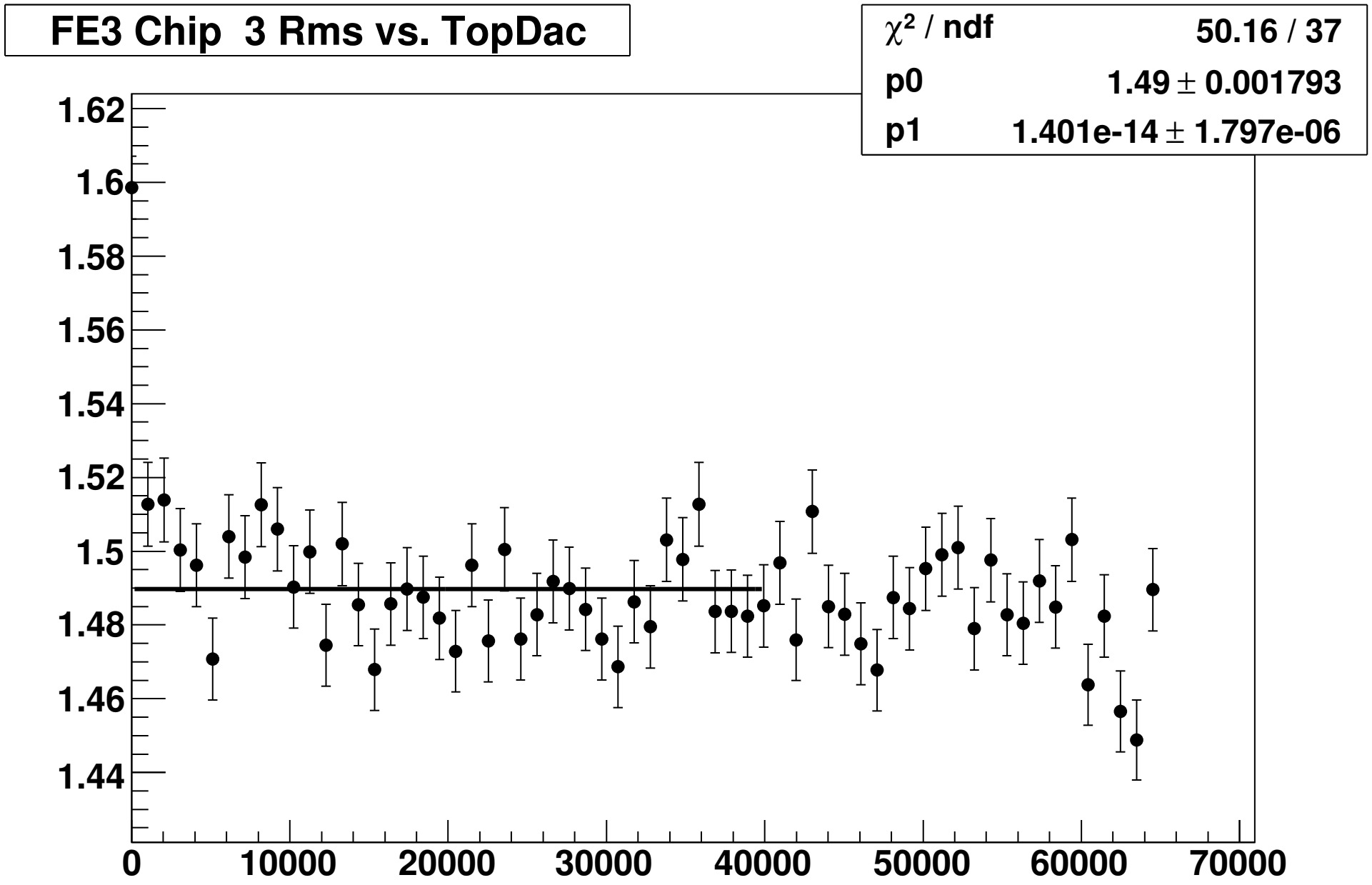

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 5287 / 37
p0 -59.64 ± 0.005161
p1 -1.766e-05 ± 2.197e-07
-59.2
-59.4
-59.6
-59.8
-60
-60.2
-60.4
-60.6
0
10000
20000
30000
40000
50000
60000
70000

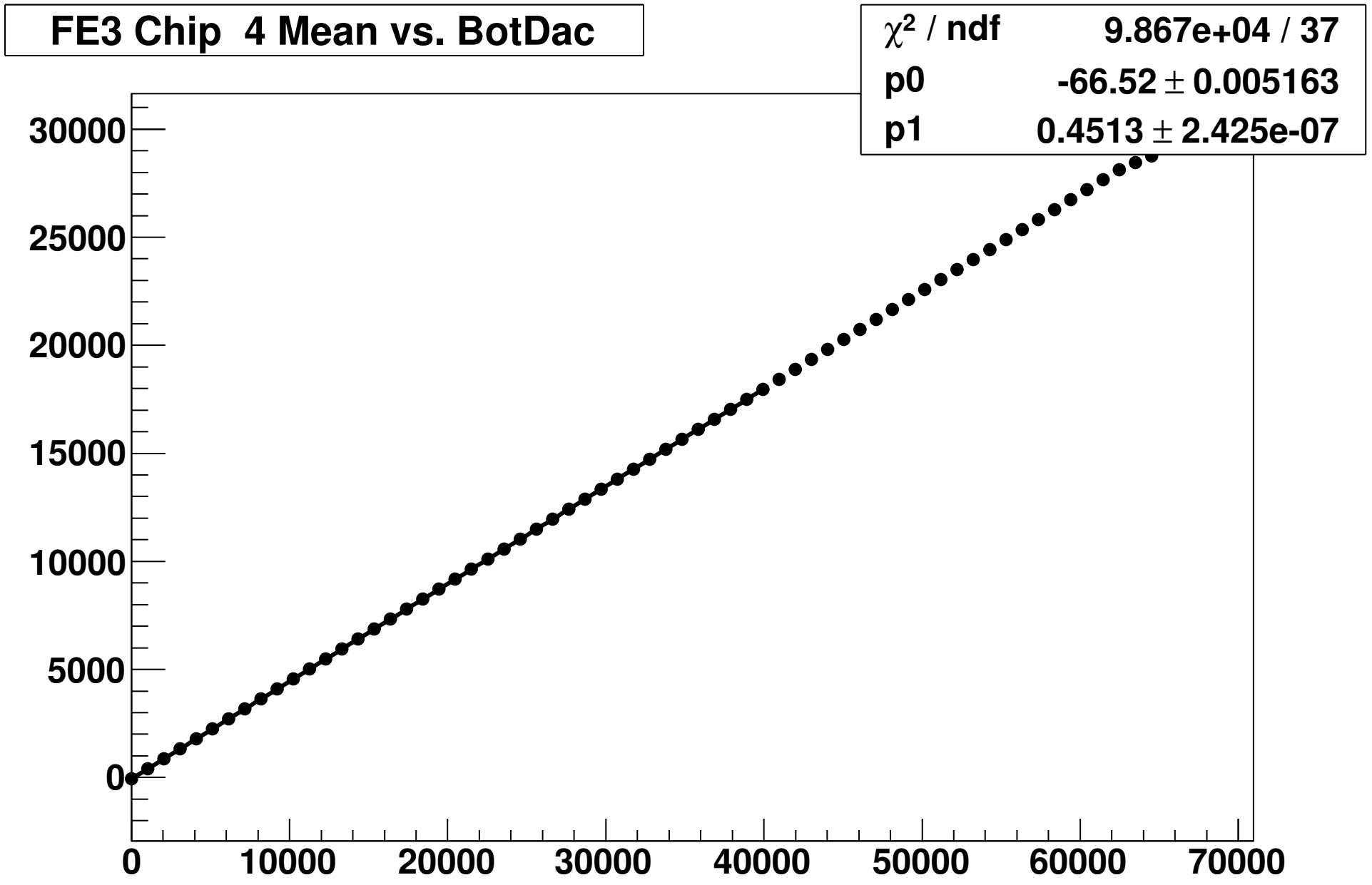

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 32.61 / 37
p0 1.491 ± 0.0027
p1 2.164e-06 ± 2.54e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

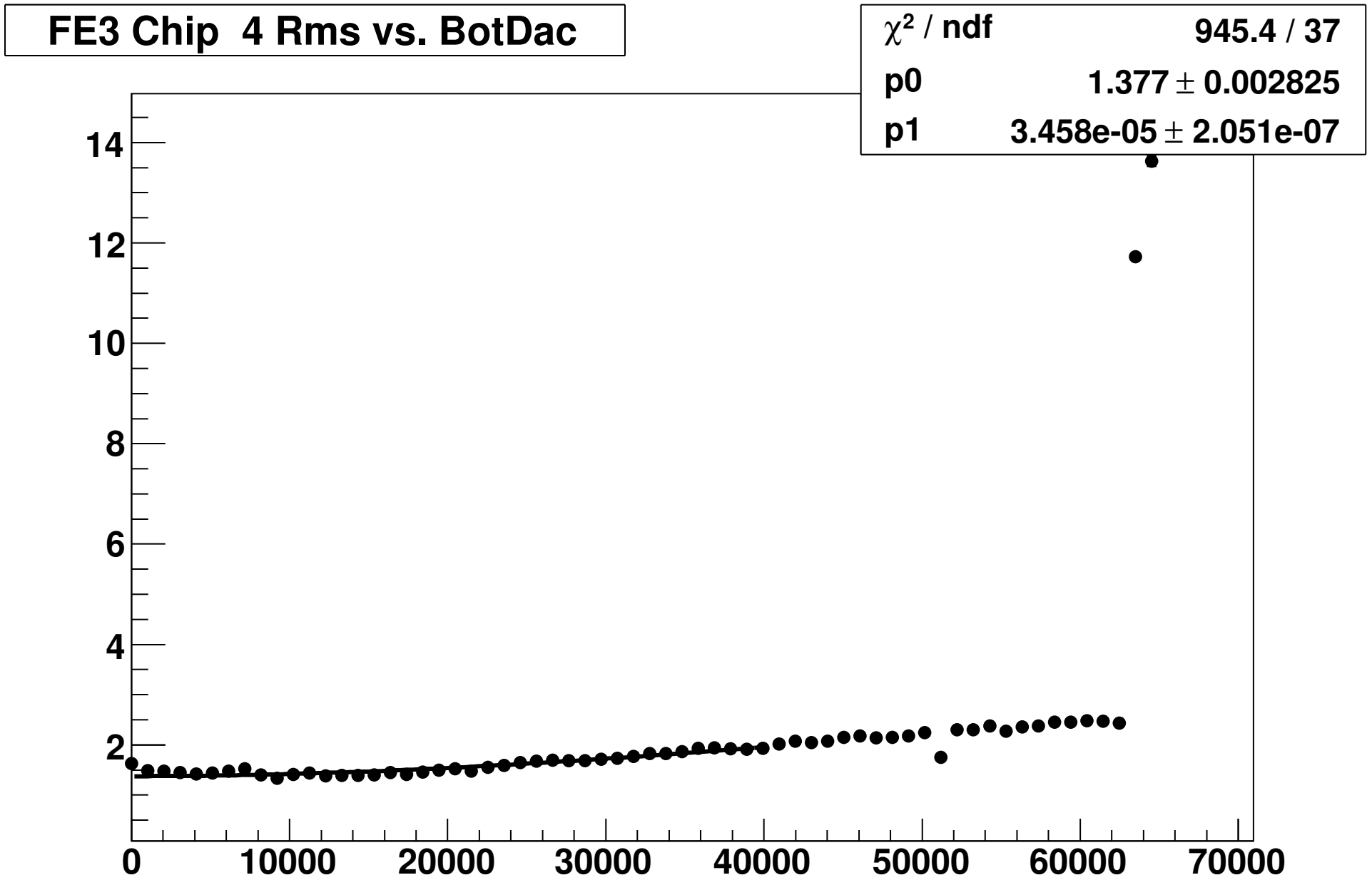

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 9.445e+04 / 37
p0 -62.72 ± 0.005158
p1 0.4514 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

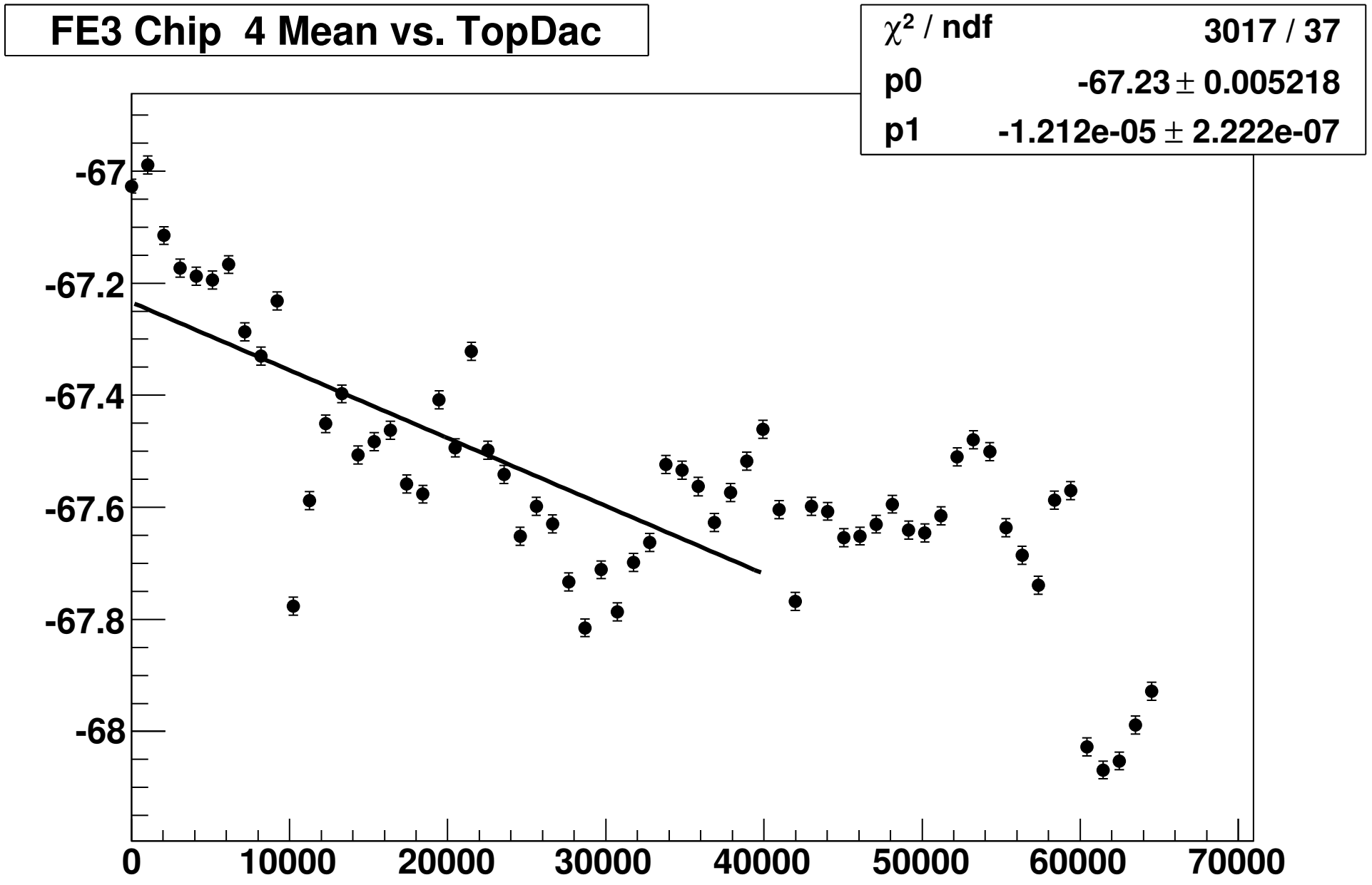

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 901.3 / 37
p0 1.368 ± 0.00282
p1 3.509e-05 ± 2.026e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

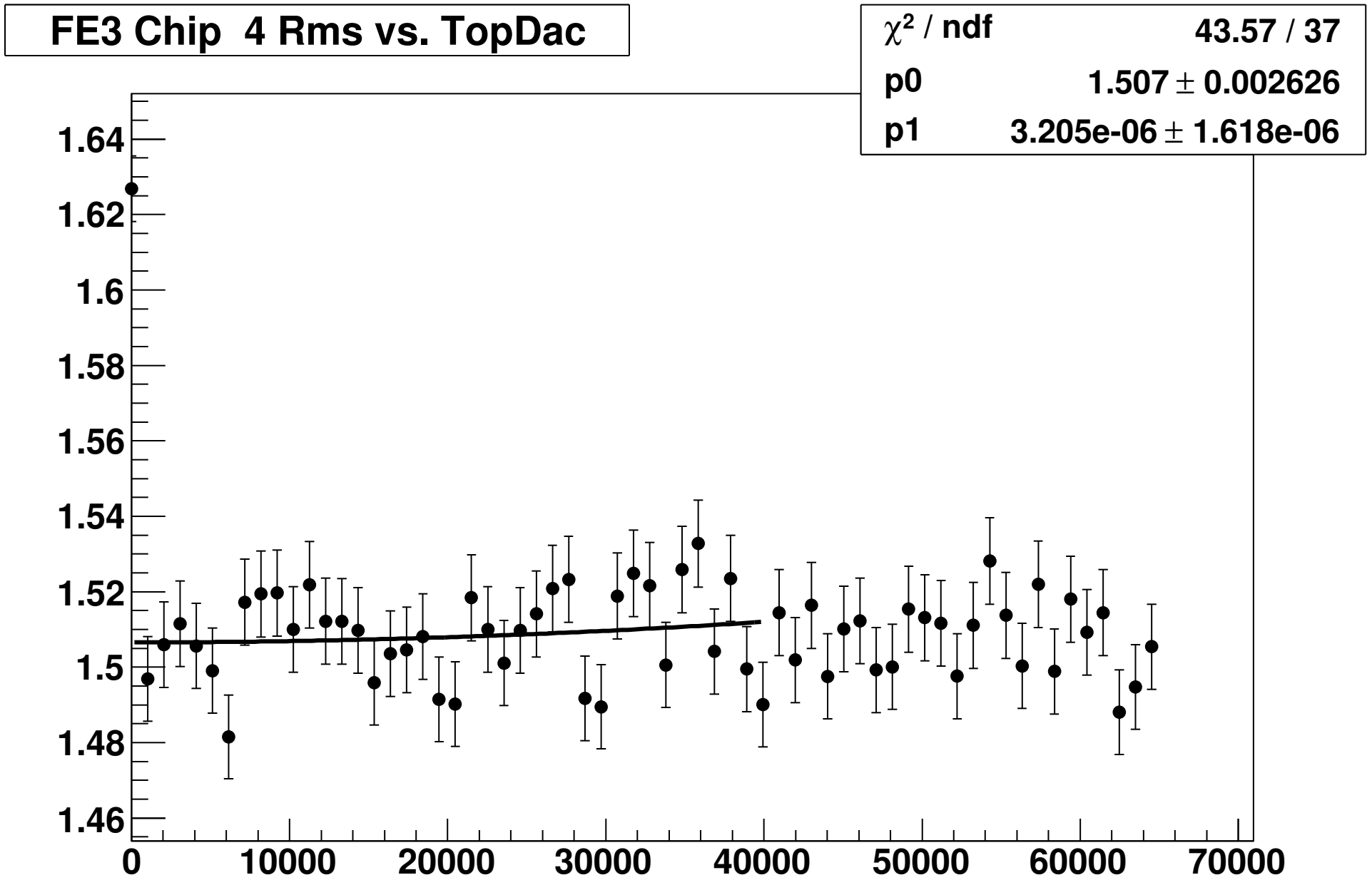

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 5731 / 37
p0 -63.81 ± 0.005184
p1 -1.846e-05 ± 2.202e-07
-63.2
-63.4
-63.6
-63.8
-64
-64.2
-64.4
-64.6
-64.8
0
10000
20000
30000
40000
50000
60000
70000

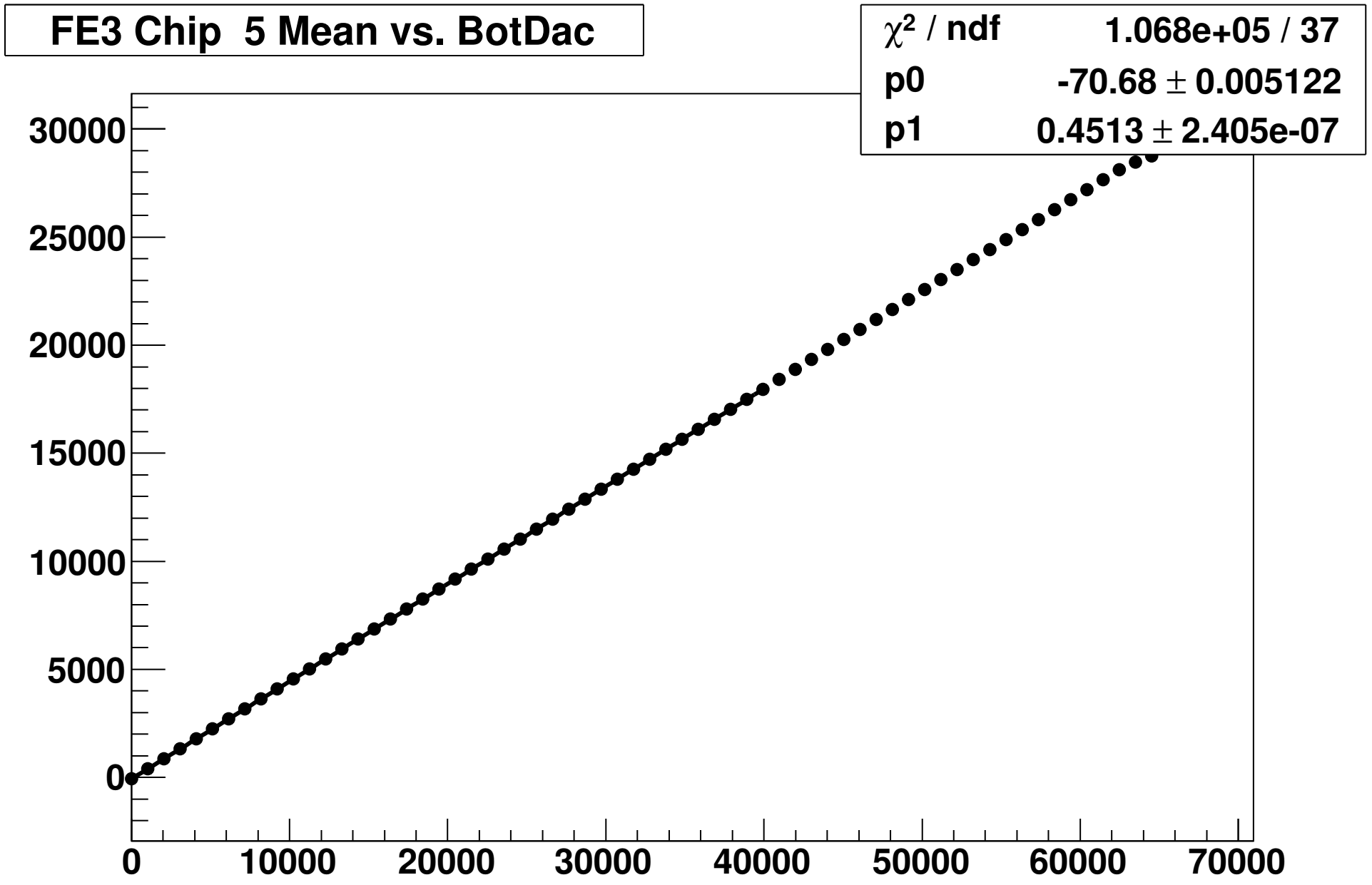

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 50.16 / 37
p0 1.49 ± 0.001793
p1 1.401e-14 ± 1.797e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

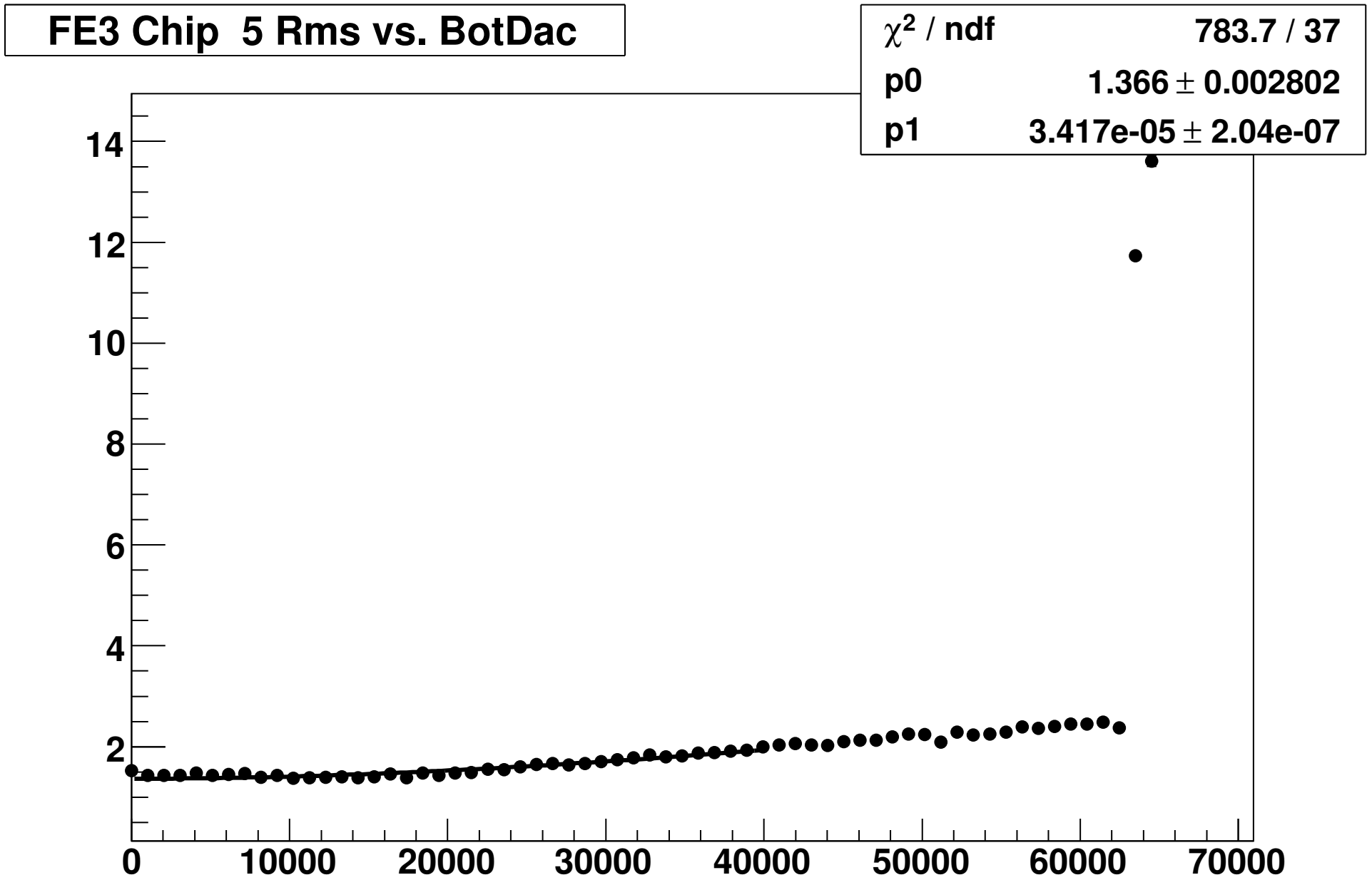

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 9.867e+04 / 37
p0 -66.52 ± 0.005163
p1 0.4513 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

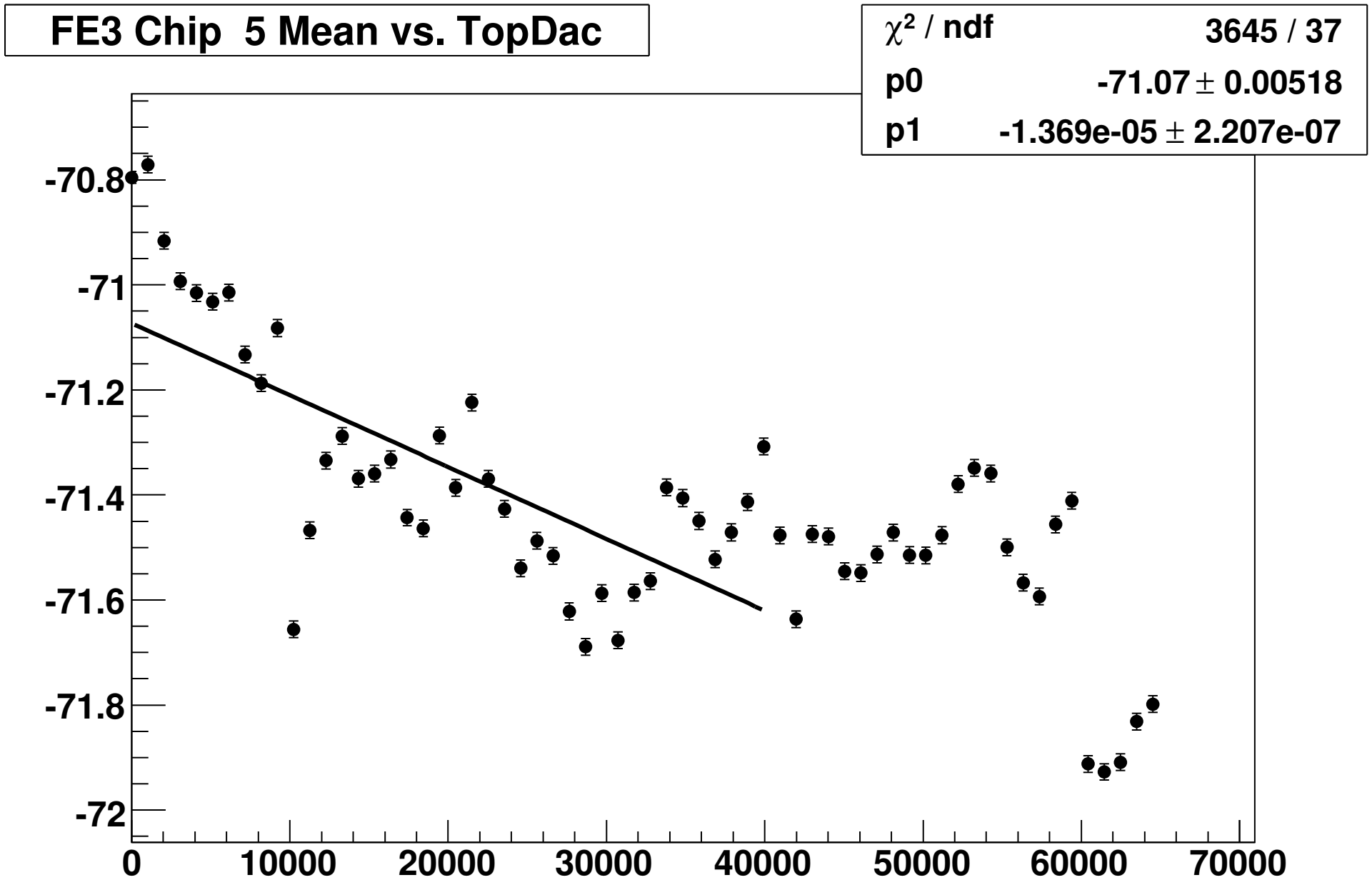

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 945.4 / 37
p0 1.377 ± 0.002825
p1 3.458e-05 ± 2.051e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

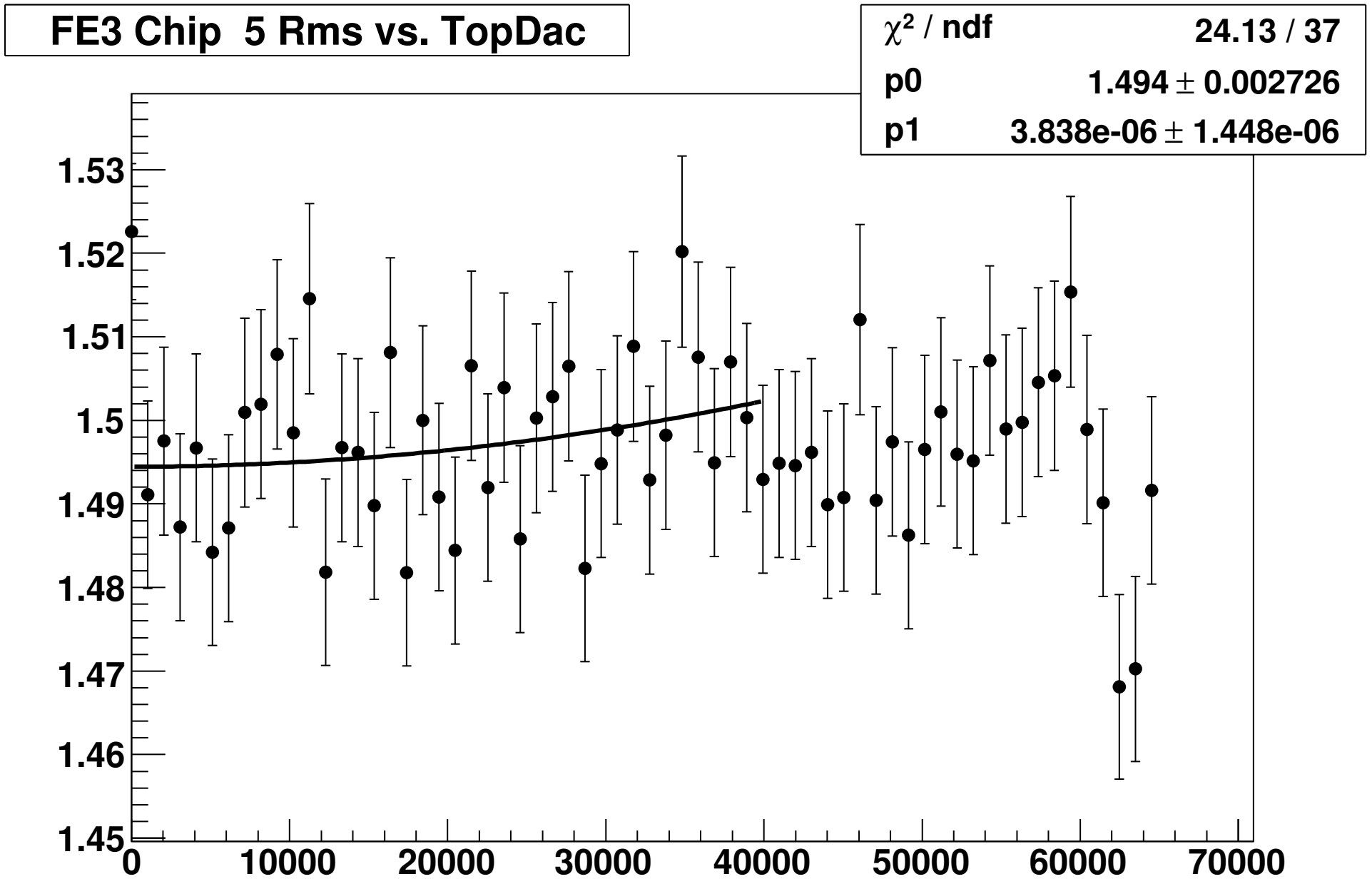

FE3 Chip 4 Mean vs. TopDac
χ² / ndf 3017 / 37
p0 -67.23 ± 0.005218
p1 -1.212e-05 ± 2.222e-07
-67
-67.2
-67.4
-67.6
-67.8
-68
0
10000
20000
30000
40000
50000
60000
70000

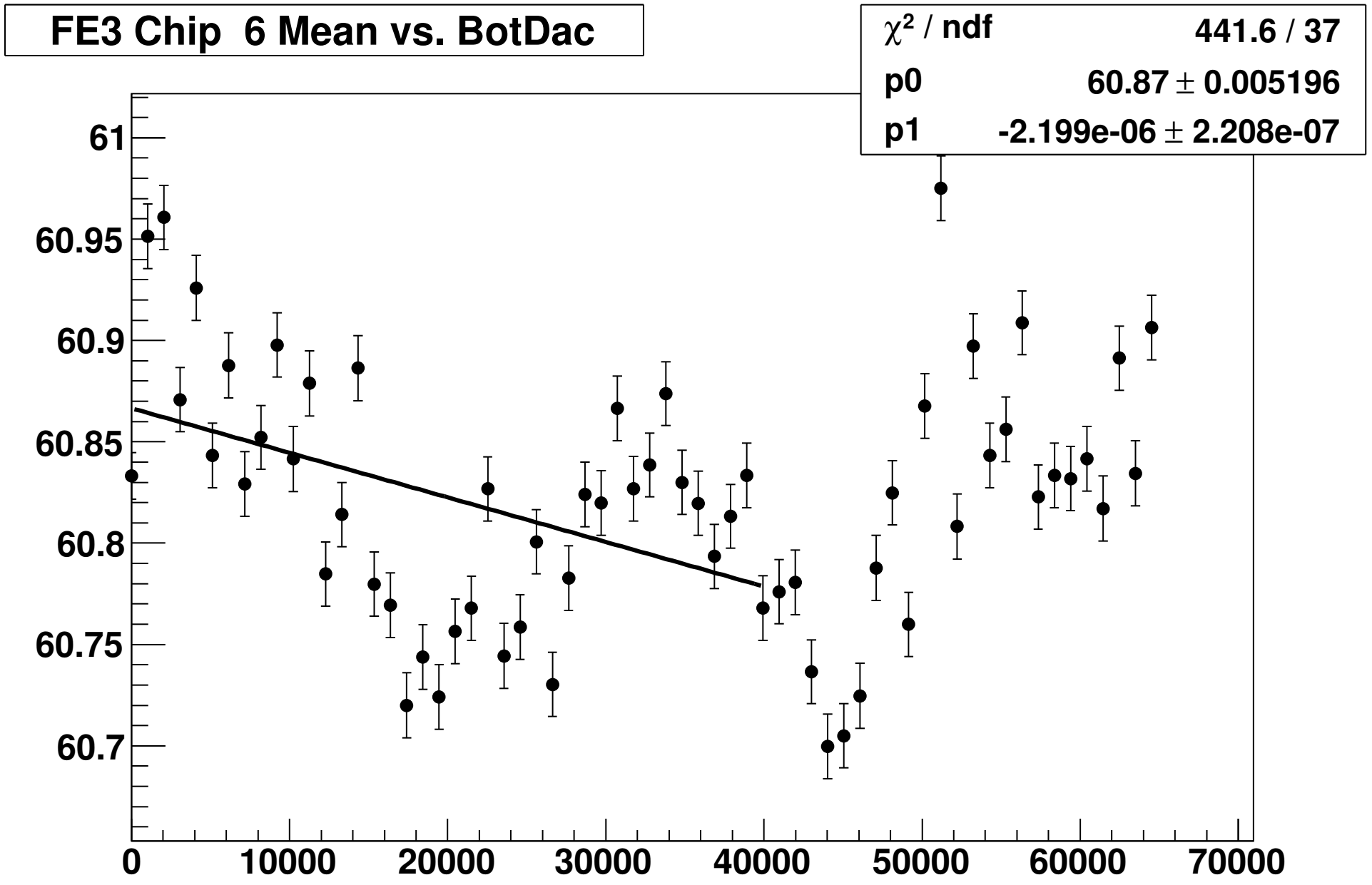

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 43.57 / 37
p0 1.507 ± 0.002626
p1 3.205e-06 ± 1.618e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

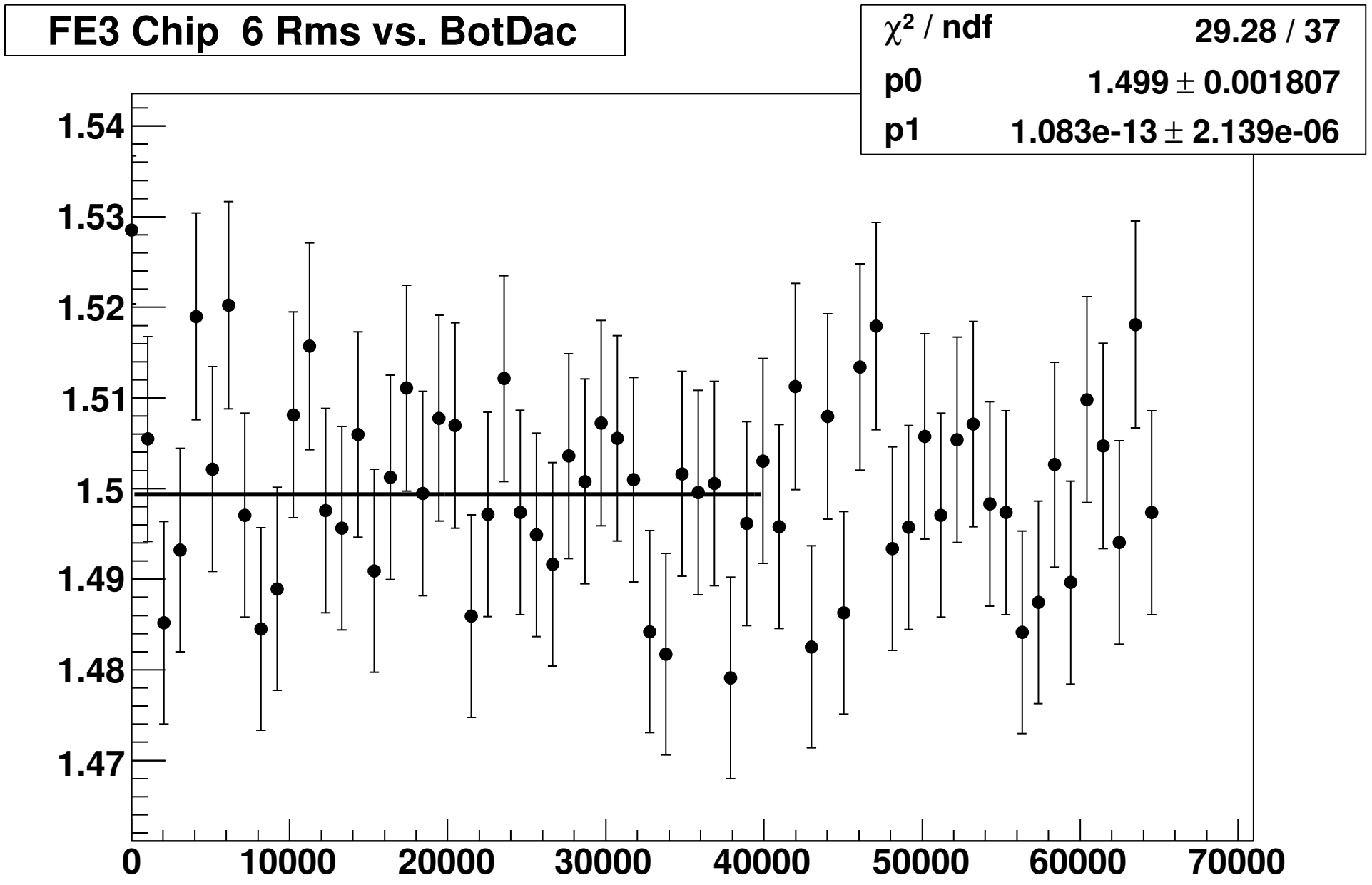

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.068e+05 / 37
p0 -70.68 ± 0.005122
p1 0.4513 ± 2.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

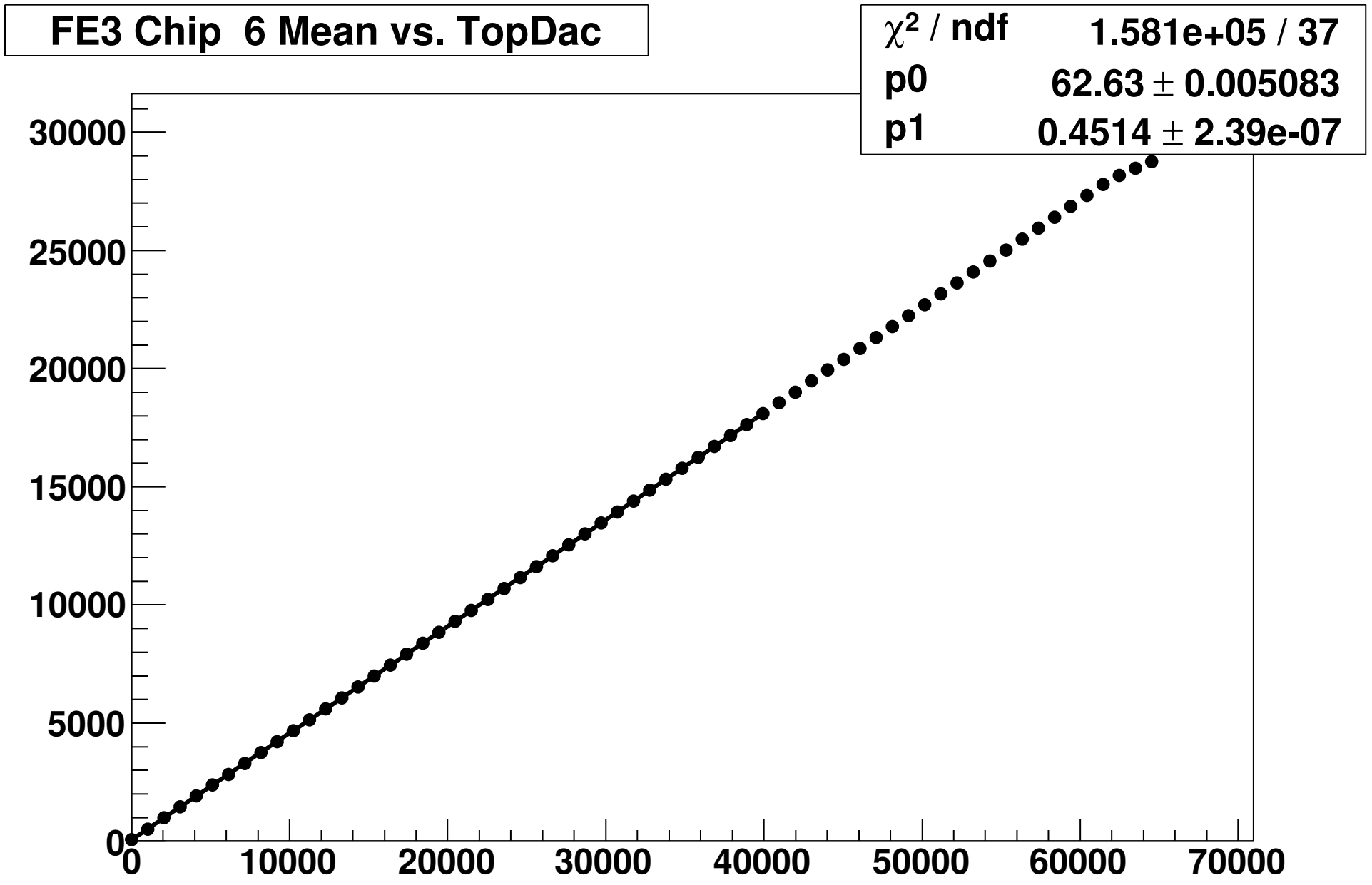

FE3 Chip 5 Rms vs. BotDac
χ² / ndf 783.7 / 37
p0 1.366 ± 0.002802
p1 3.417e-05 ± 2.04e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

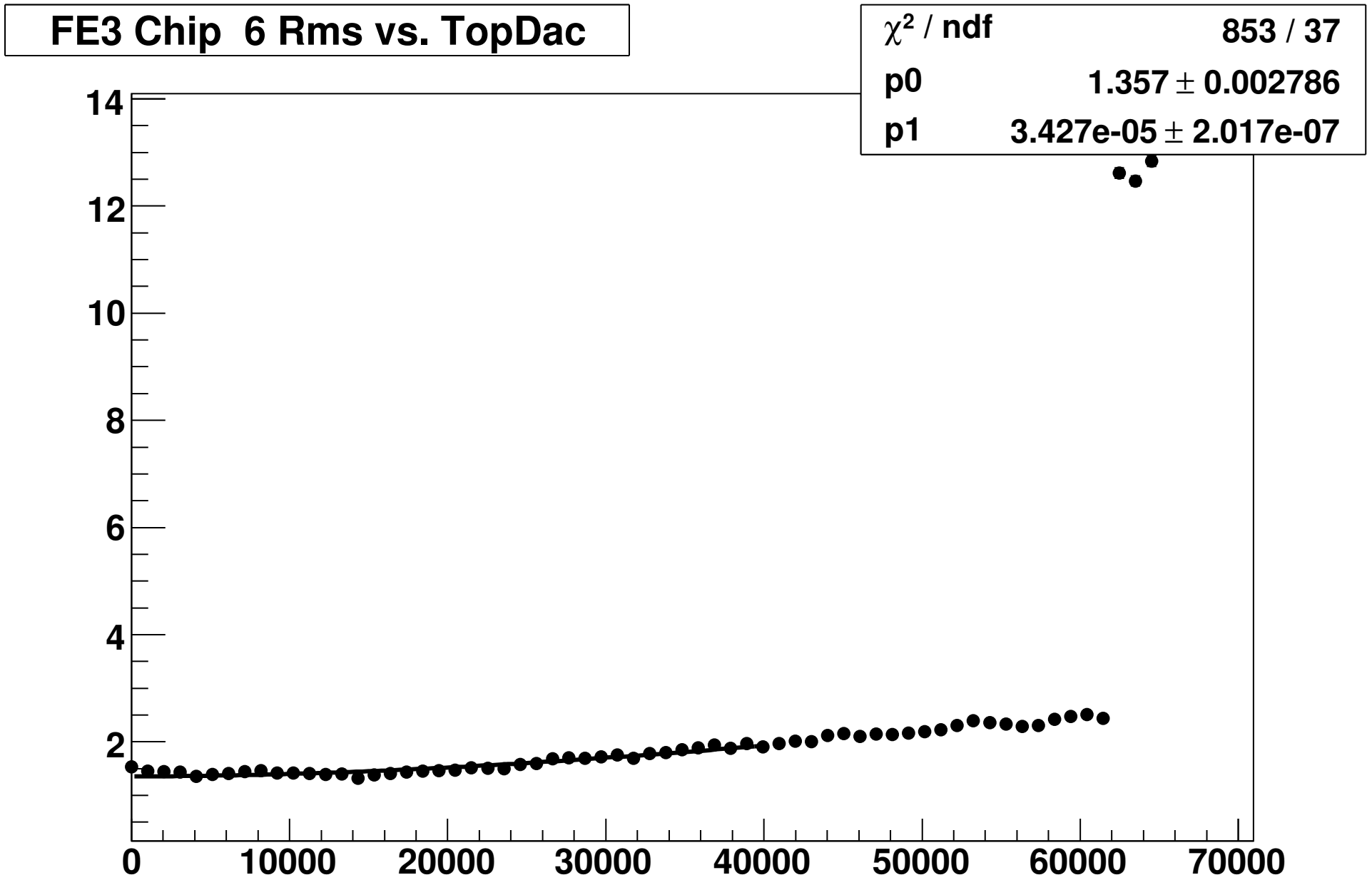

FE3 Chip 5 Mean vs. TopDac
χ² / ndf 3645 / 37
p0 -71.07 ± 0.00518
p1 -1.369e-05 ± 2.207e-07
-70.8
-71
-71.2
-71.4
-71.6
-71.8
-72
0
10000
20000
30000
40000
50000
60000
70000

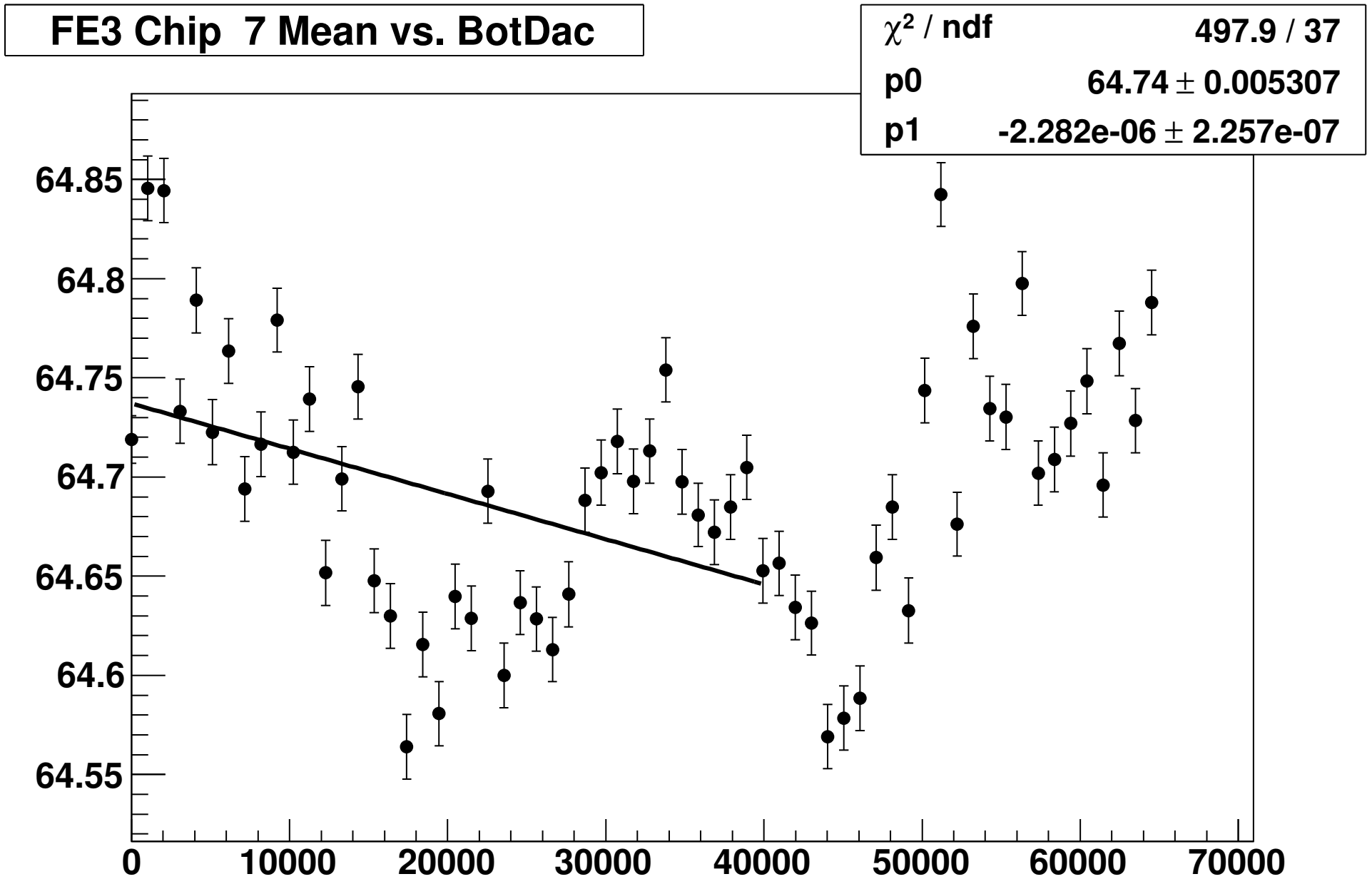

FE3 Chip 5 Rms vs. TopDac
χ² / ndf 24.13 / 37
p0 1.494 ± 0.002726
p1 3.838e-06 ± 1.448e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

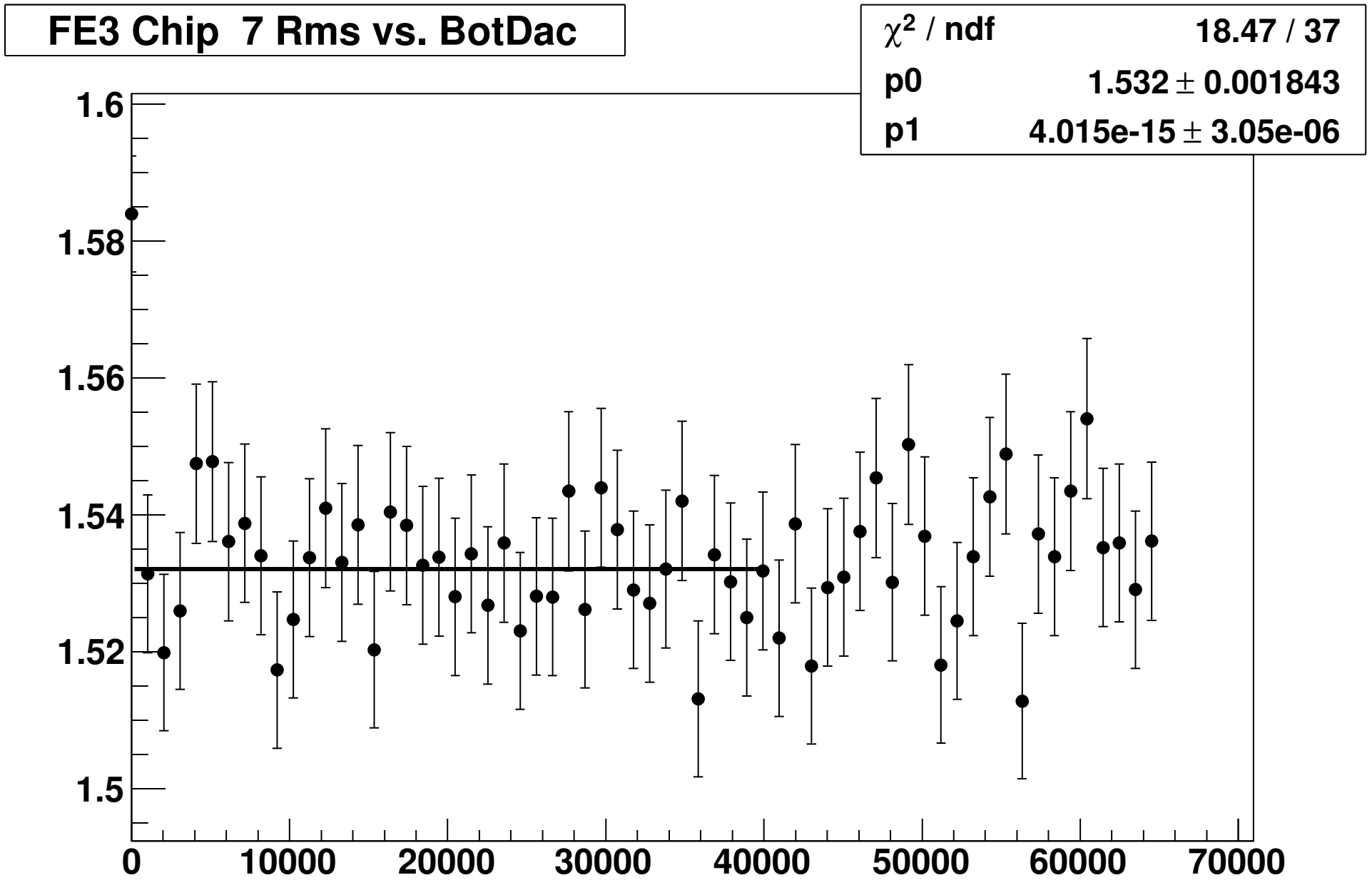

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 441.6 / 37
p0 60.87 ± 0.005196
p1 -2.199e-06 ± 2.208e-07
61
60.95
60.9
60.85
60.8
60.75
60.7
0
10000
20000
30000
40000
50000
60000
70000

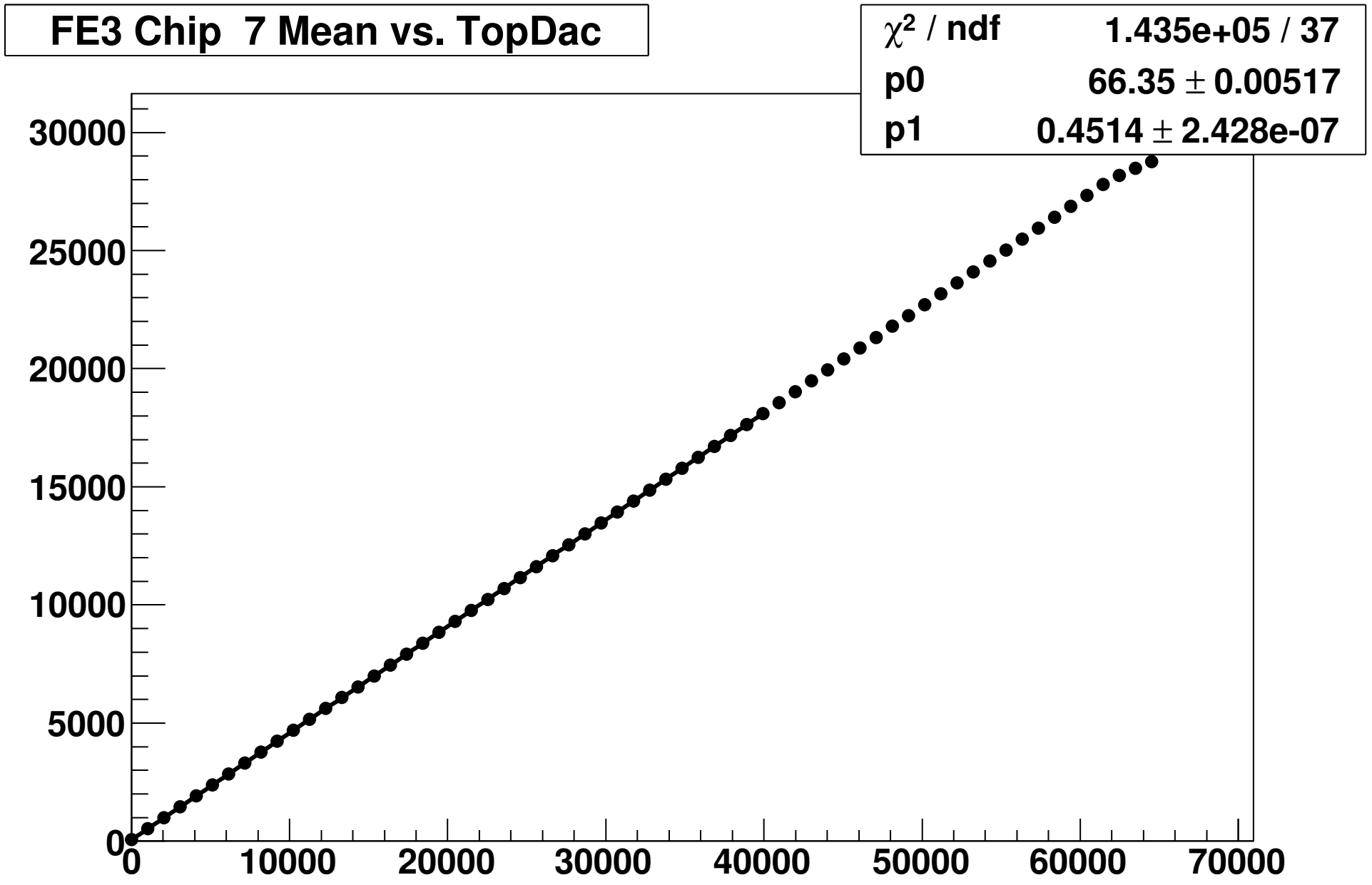

FE3 Chip 6 Rms vs. BotDac
χ² / ndf 29.28 / 37
p0 1.499 ± 0.001807
p1 1.083e-13 ± 2.139e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

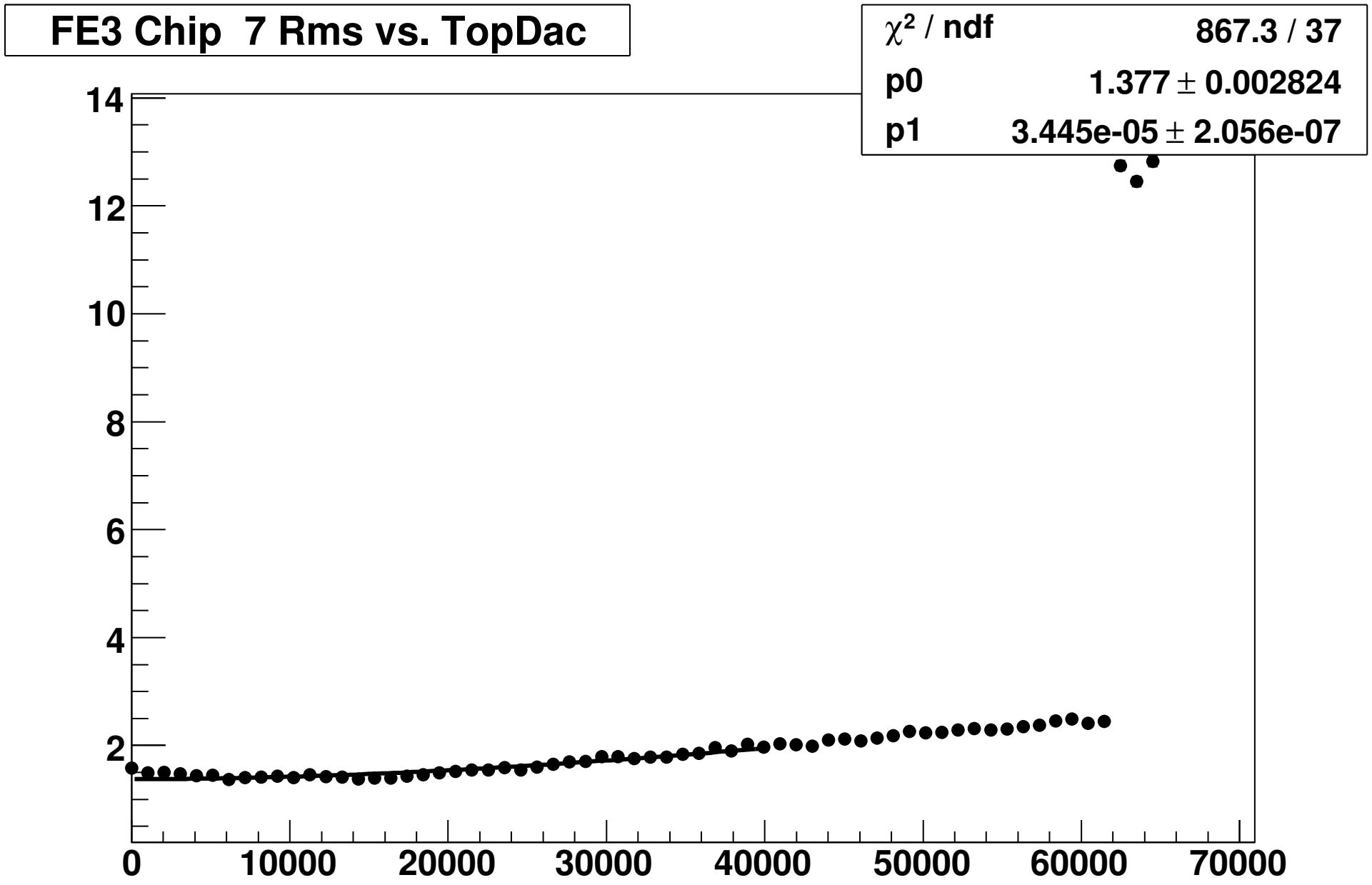

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.581e+05 / 37
p0 62.63 ± 0.005083
p1 0.4514 ± 2.39e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

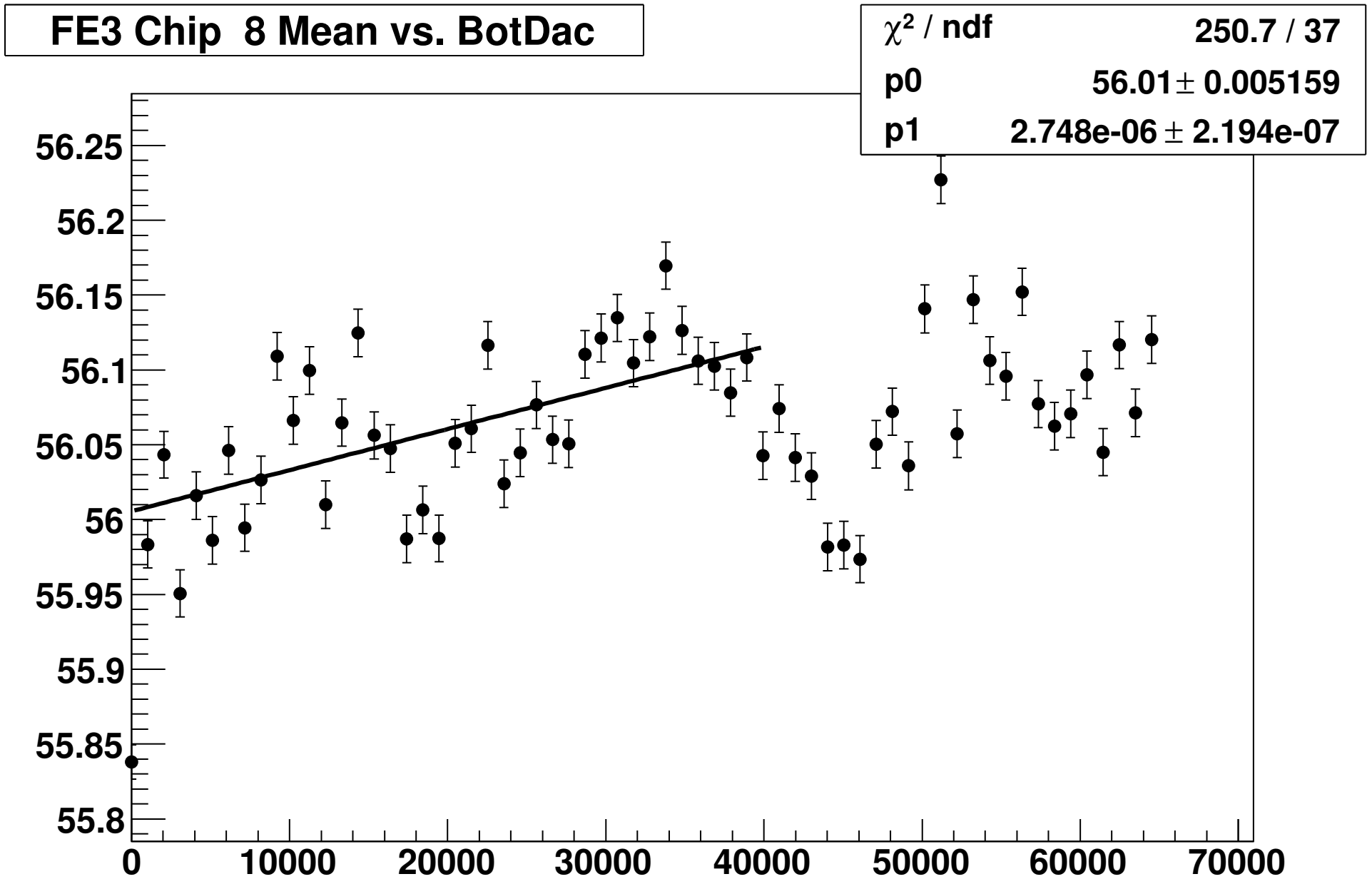

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 853 / 37
p0 1.357 ± 0.002786
p1 3.427e-05 ± 2.017e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

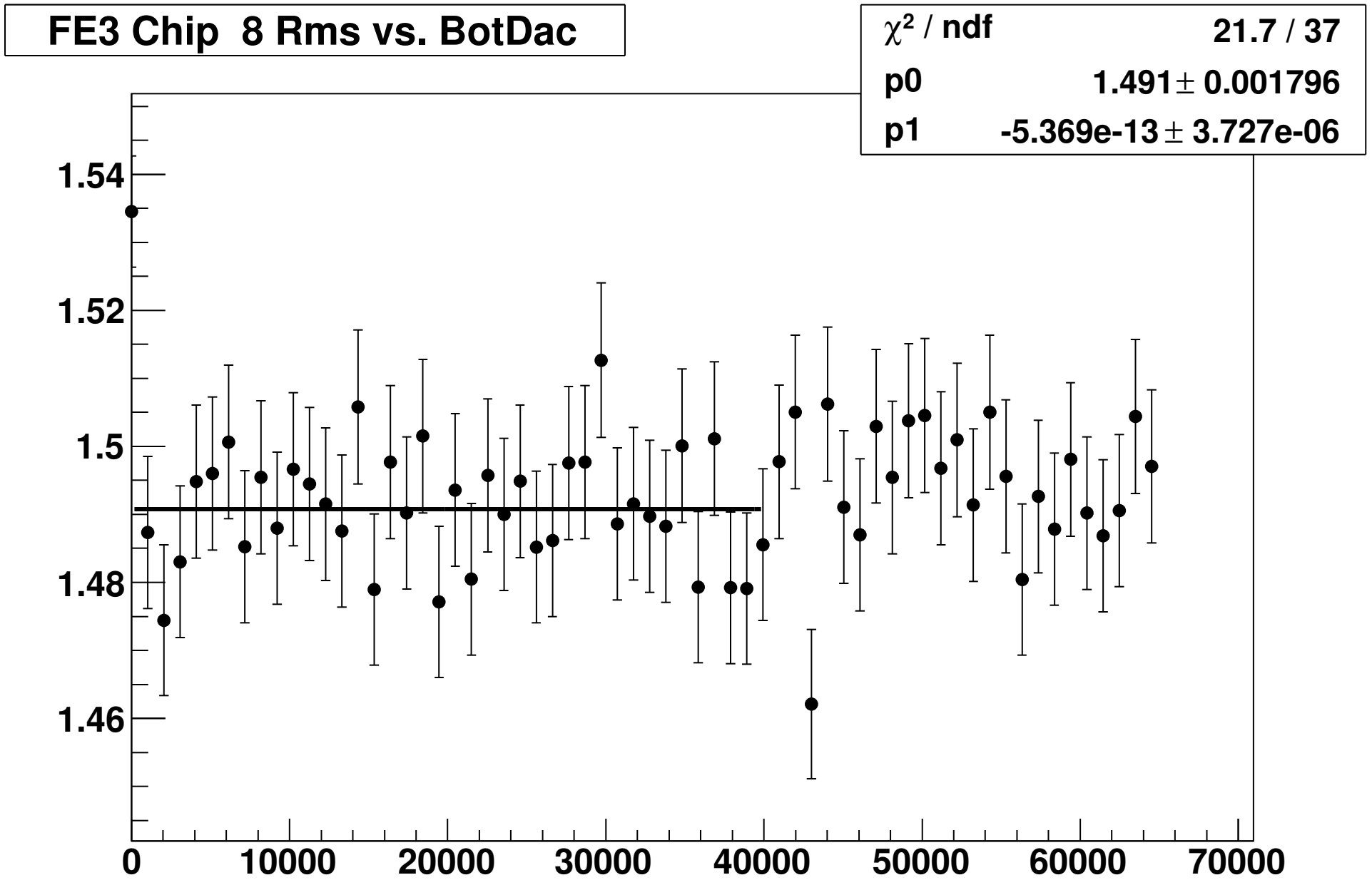

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 497.9 / 37
p0 64.74 ± 0.005307
p1 -2.282e-06 ± 2.257e-07
64.85
64.8
64.75
64.7
64.65
64.6
64.55
0
10000
20000
30000
40000
50000
60000
70000

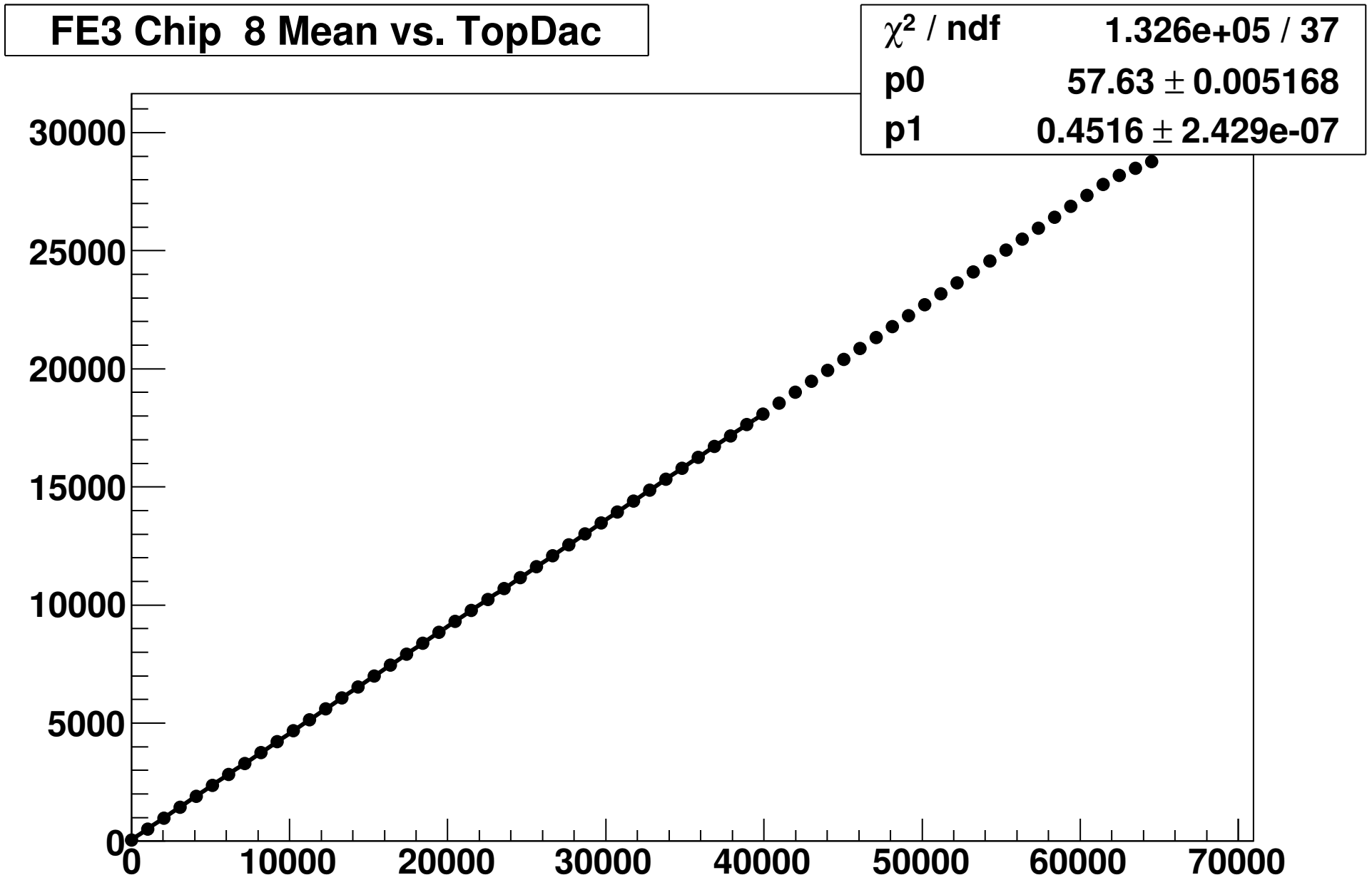

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 18.47 / 37
p0 1.532 ± 0.001843
p1 4.015e-15 ± 3.05e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

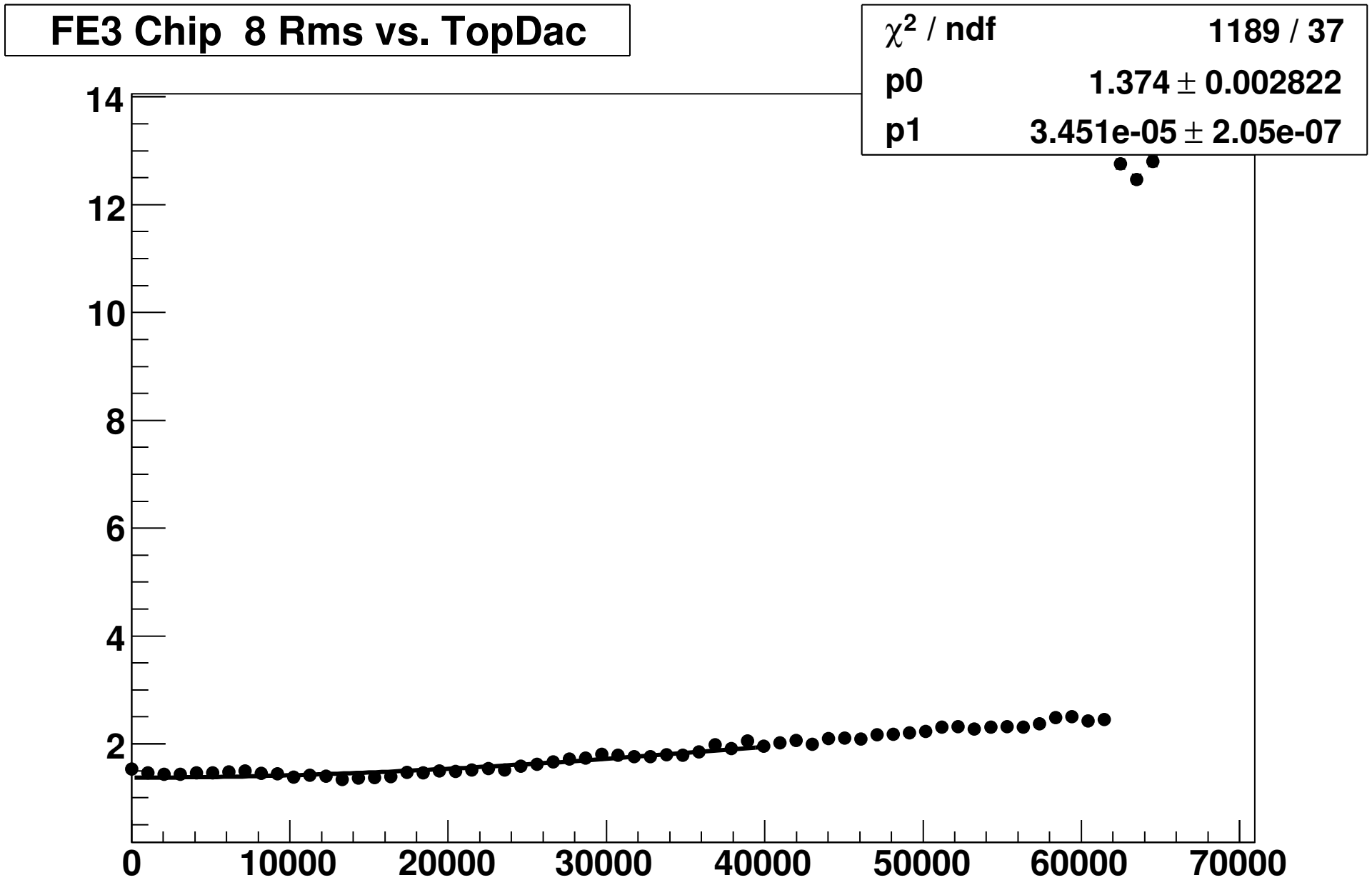

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.435e+05 / 37
p0 66.35 ± 0.00517
p1 0.4514 ± 2.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

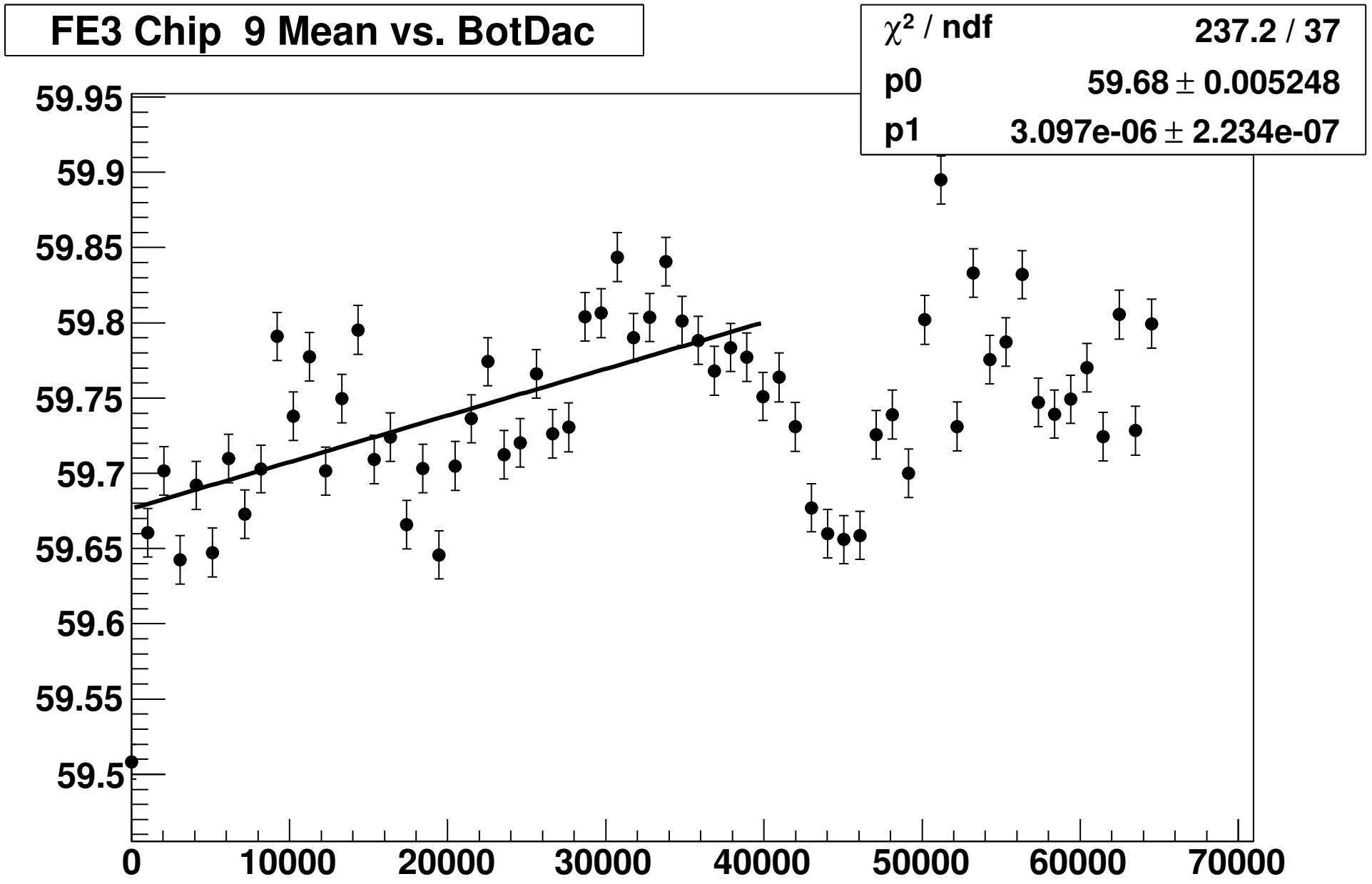

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 867.3 / 37
p0 1.377 ± 0.002824
p1 3.445e-05 ± 2.056e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

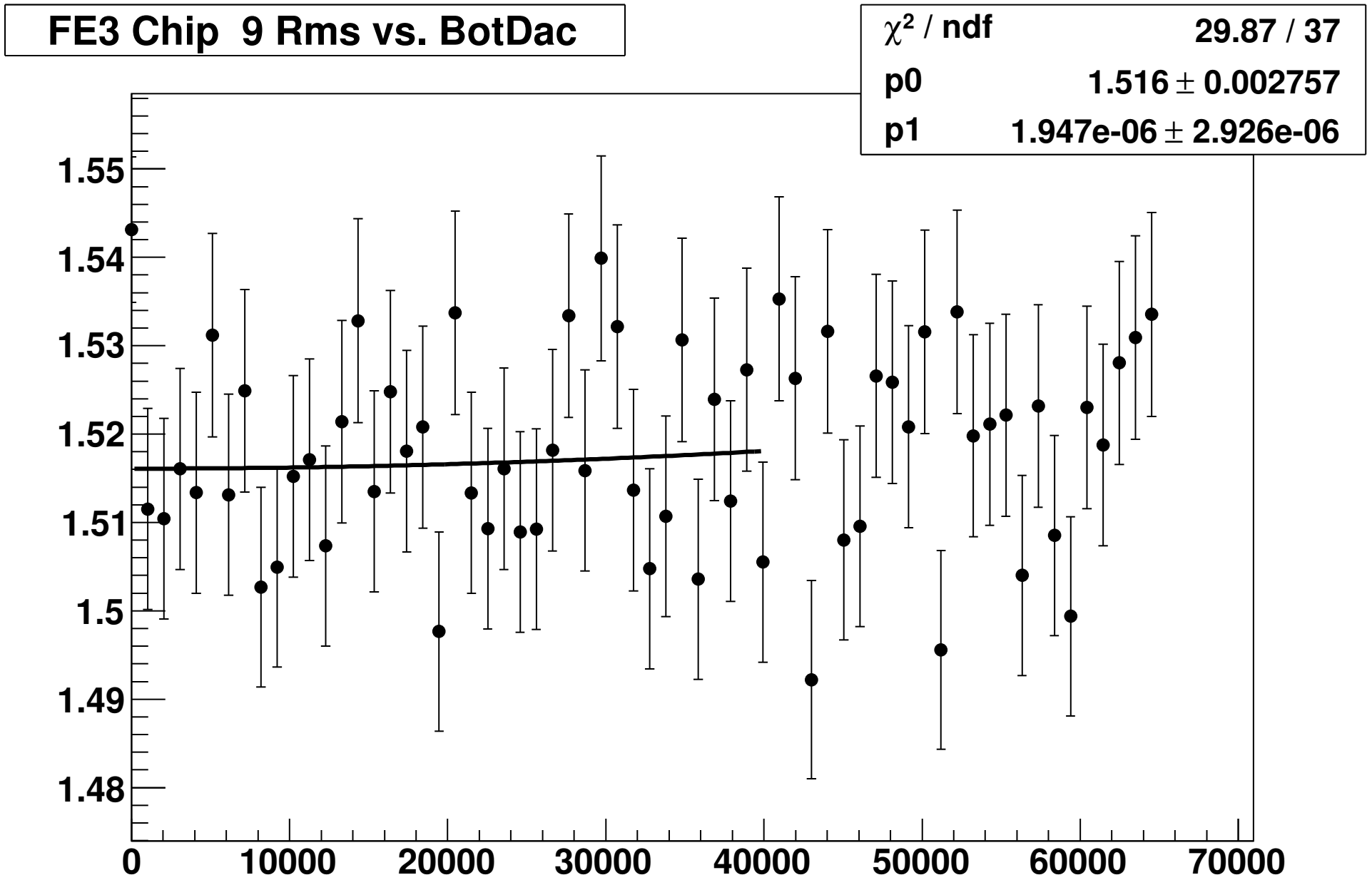

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 250.7 / 37
p0 56.01 ± 0.005159
p1 2.748e-06 ± 2.194e-07
56.25
56.2
56.15
56.1
56.05
56
55.95
55.9
55.85
55.8
0
10000
20000
30000
40000
50000
60000
70000

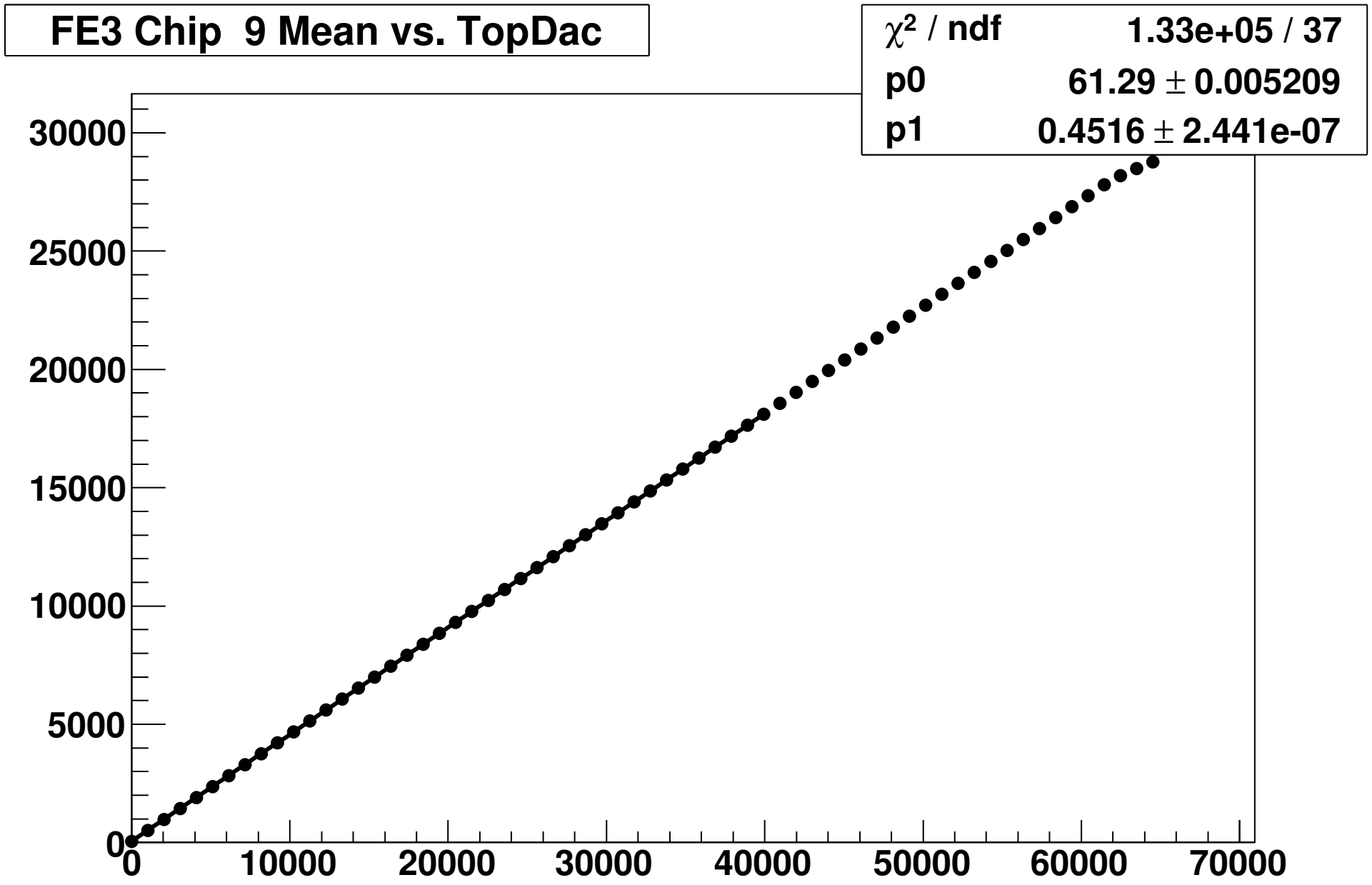

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 21.7 / 37
p0 1.491 ± 0.001796
p1 -5.369e-13 ± 3.727e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

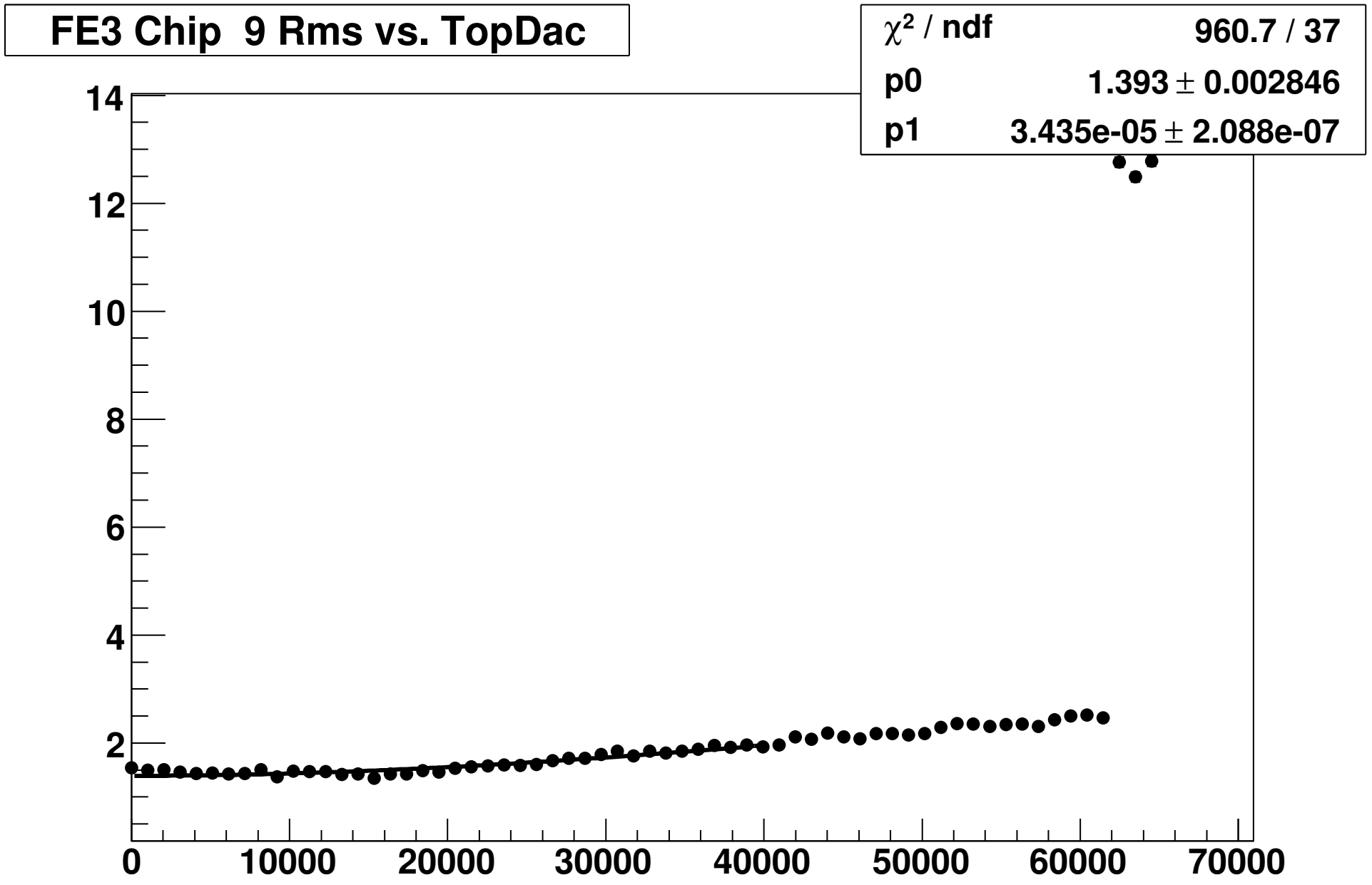

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.326e+05 / 37
p0 57.63 ± 0.005168
p1 0.4516 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

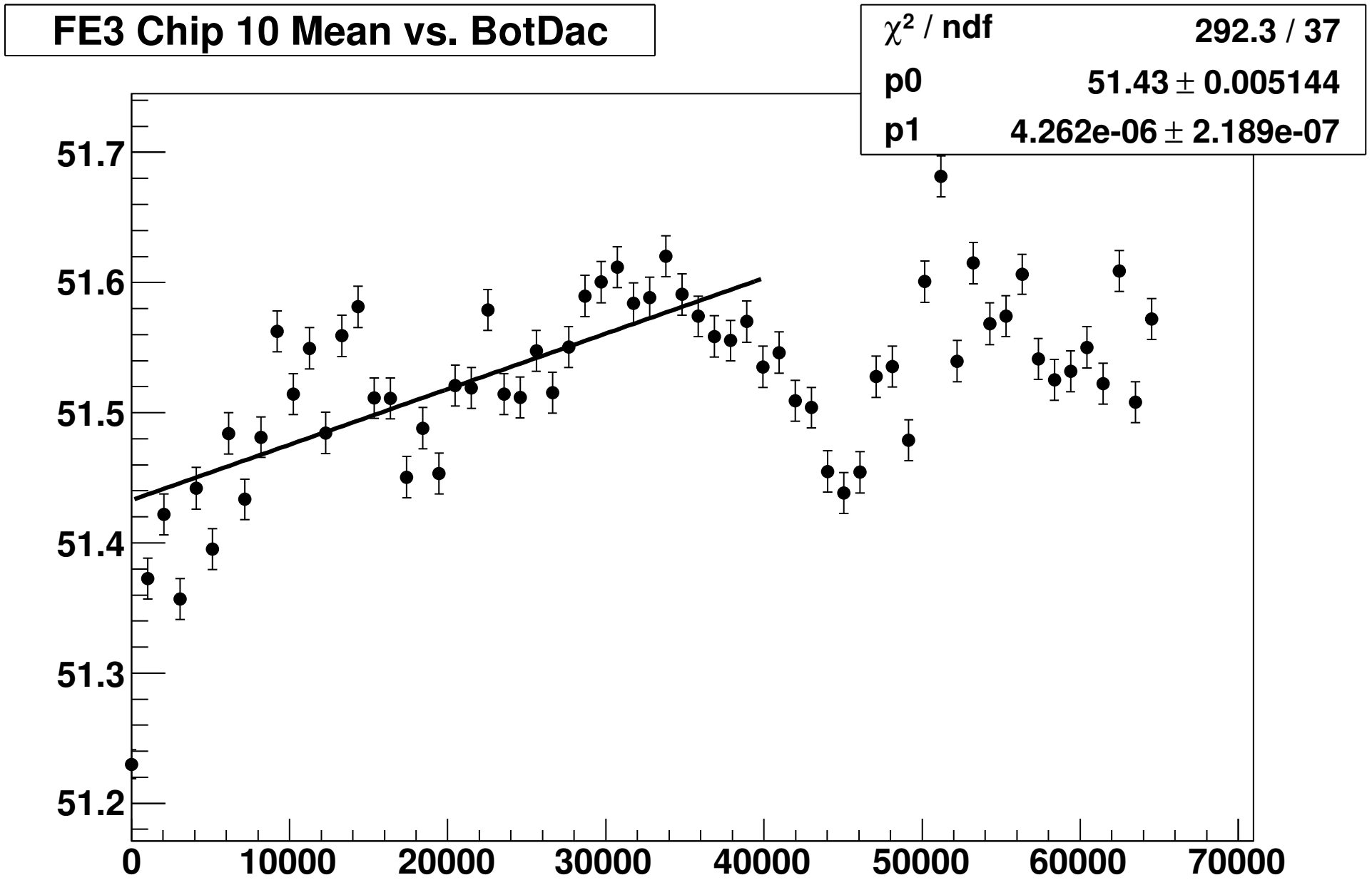

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 1189 / 37
p0 1.374 ± 0.002822
p1 3.451e-05 ± 2.05e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

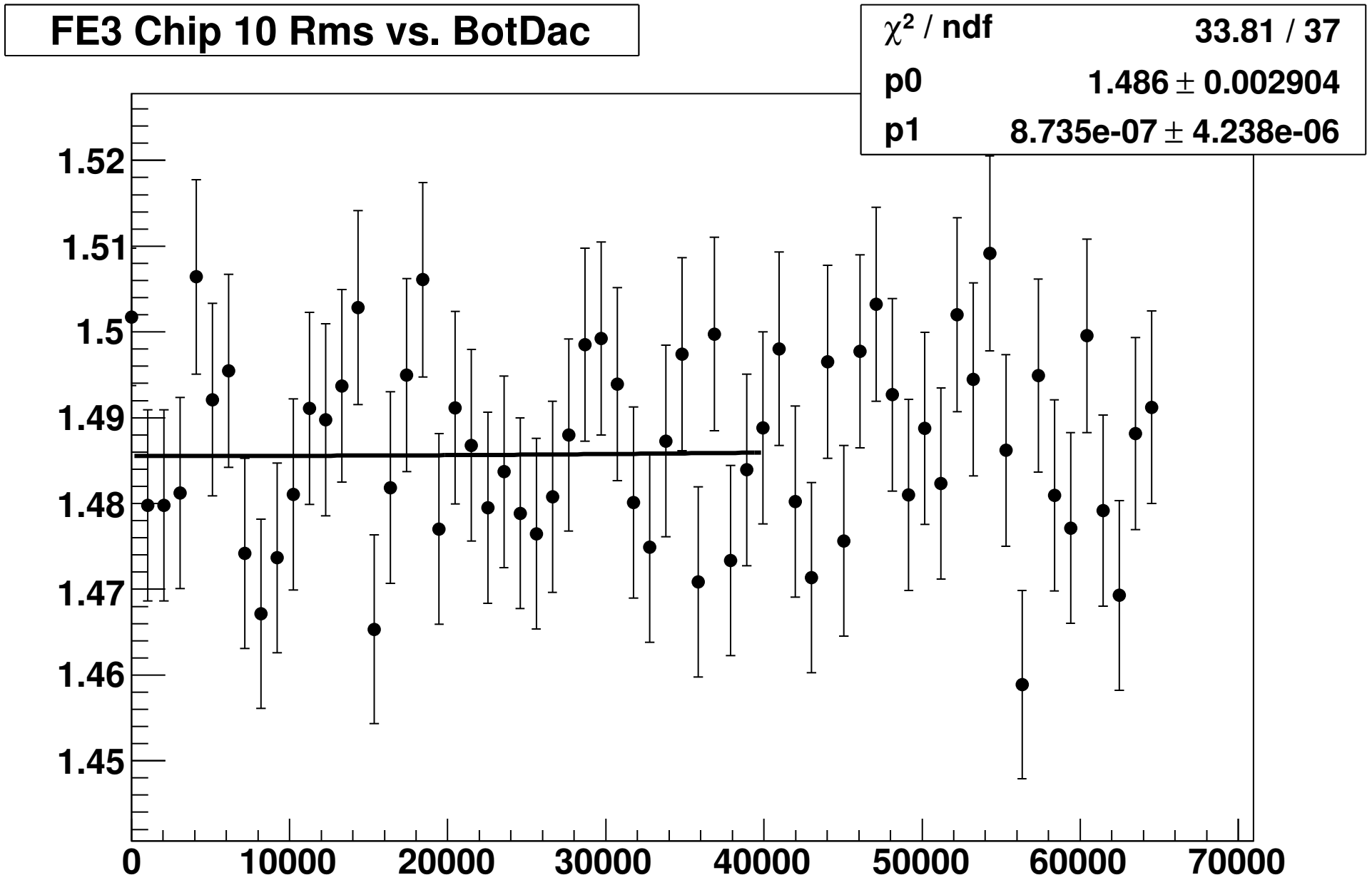

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 237.2 / 37
p0 59.68 ± 0.005248
p1 3.097e-06 ± 2.234e-07
59.95
59.9
59.85
59.8
59.75
59.7
59.65
59.6
59.55
59.5
0
10000
20000
30000
40000
50000
60000
70000

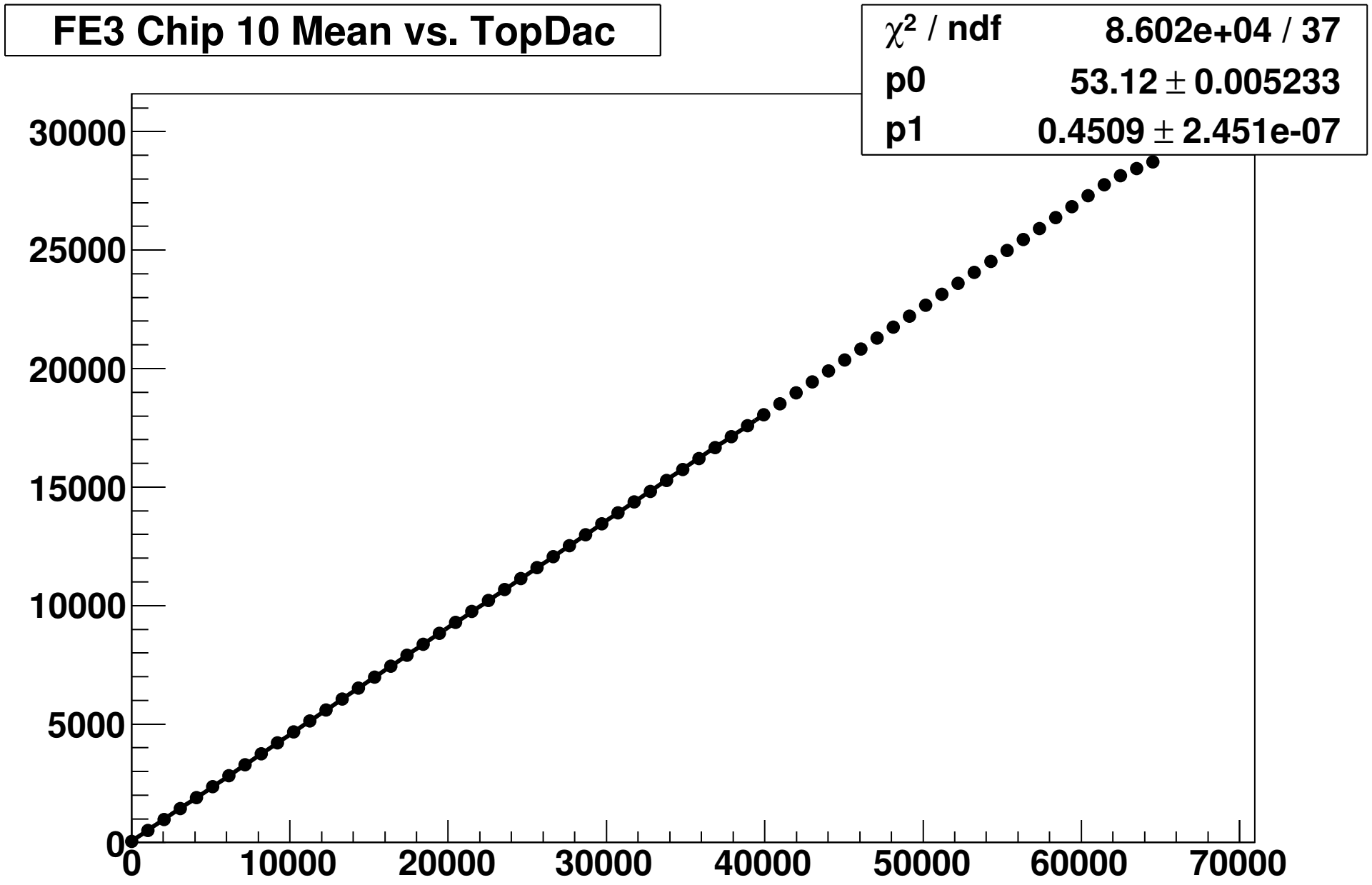

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 29.87 / 37
p0 1.516 ± 0.002757
p1 1.947e-06 ± 2.926e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

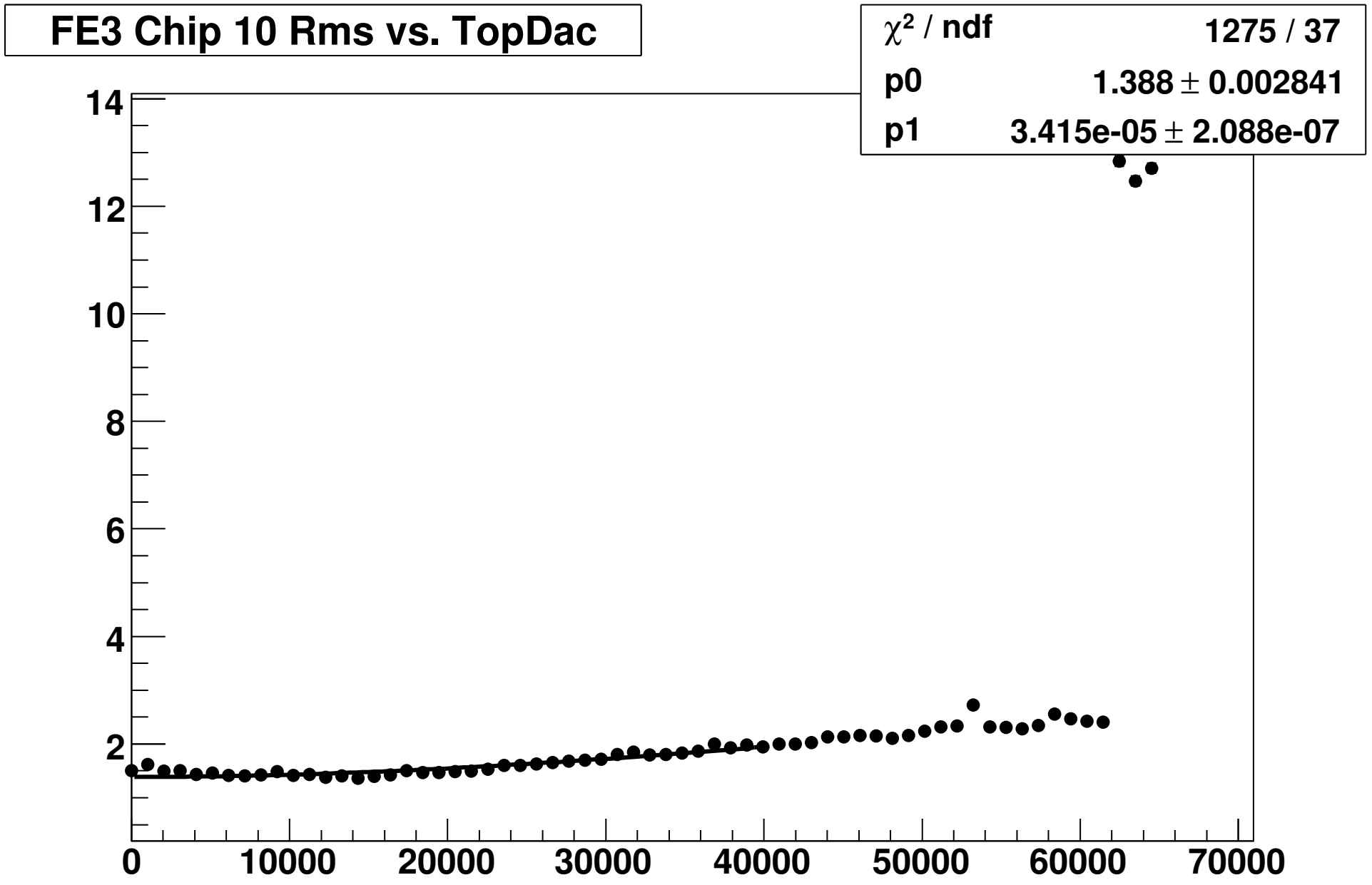

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 1.33e+05 / 37
p0 61.29 ± 0.005209
p1 0.4516 ± 2.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

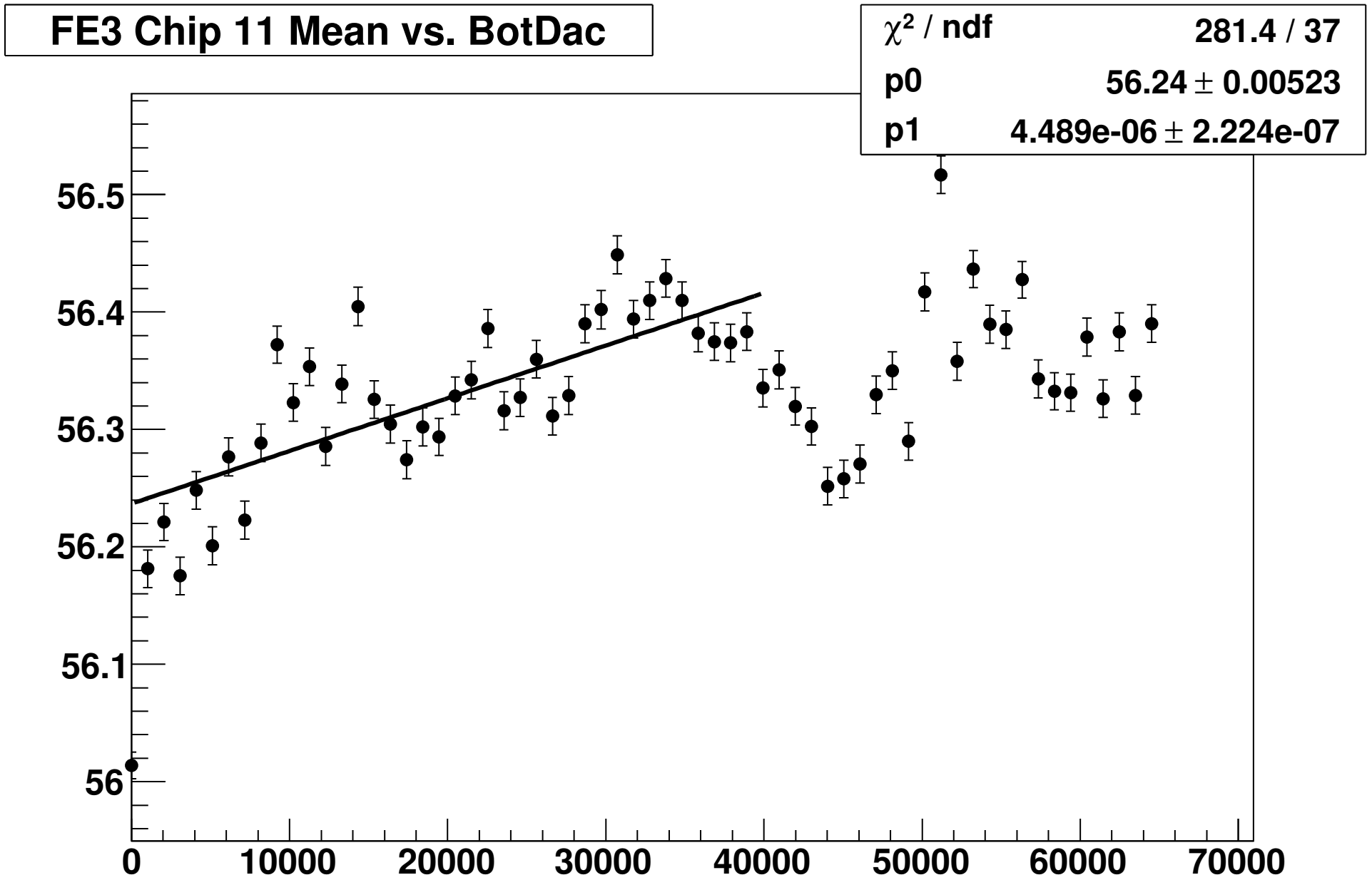

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 960.7 / 37
p0 1.393 ± 0.002846
p1 3.435e-05 ± 2.088e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

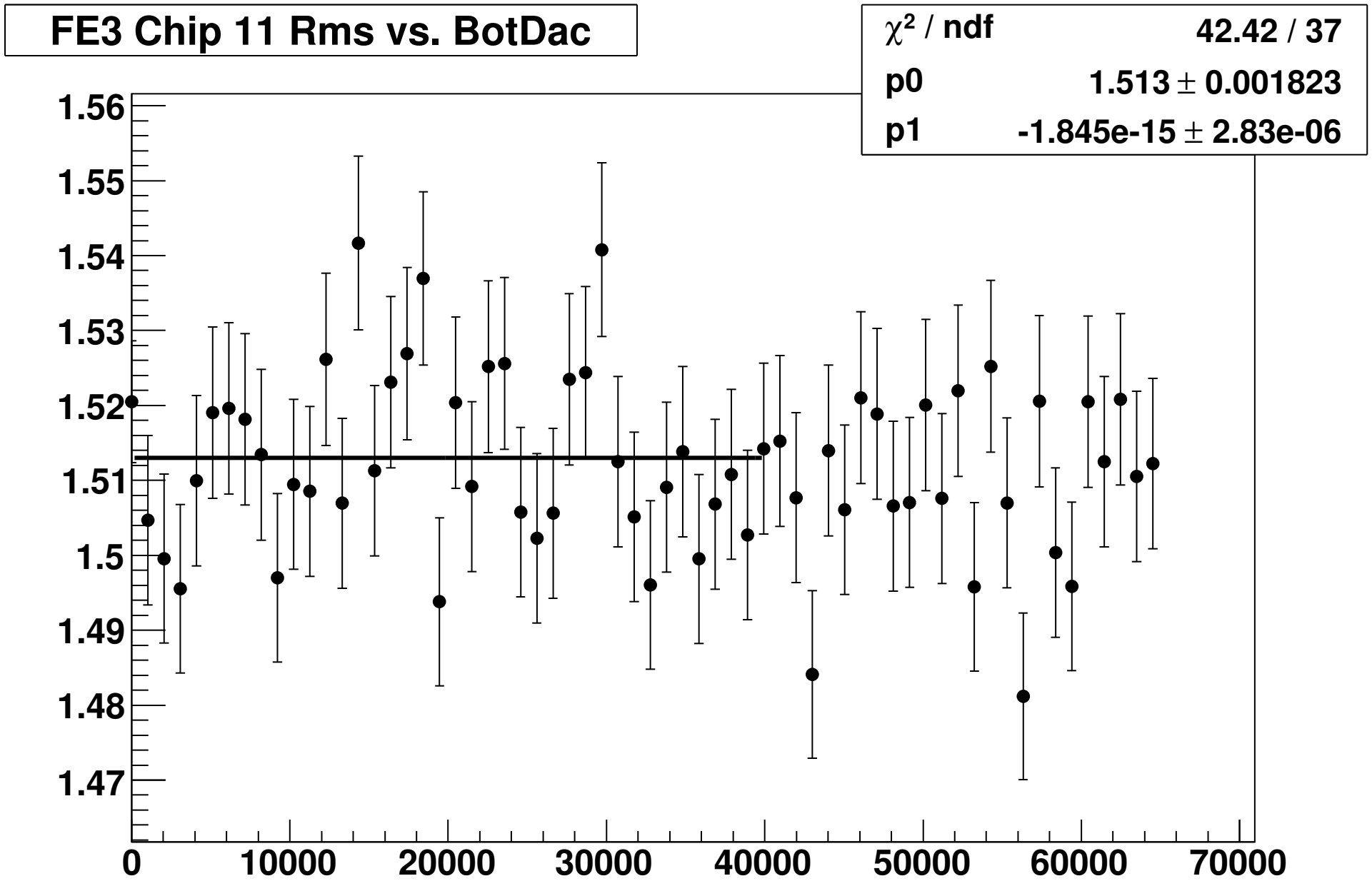

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 292.3 / 37
p0 51.43 ± 0.005144
p1 4.262e-06 ± 2.189e-07
51.7
51.6
51.5
51.4
51.3
51.2
0
10000
20000
30000
40000
50000
60000
70000

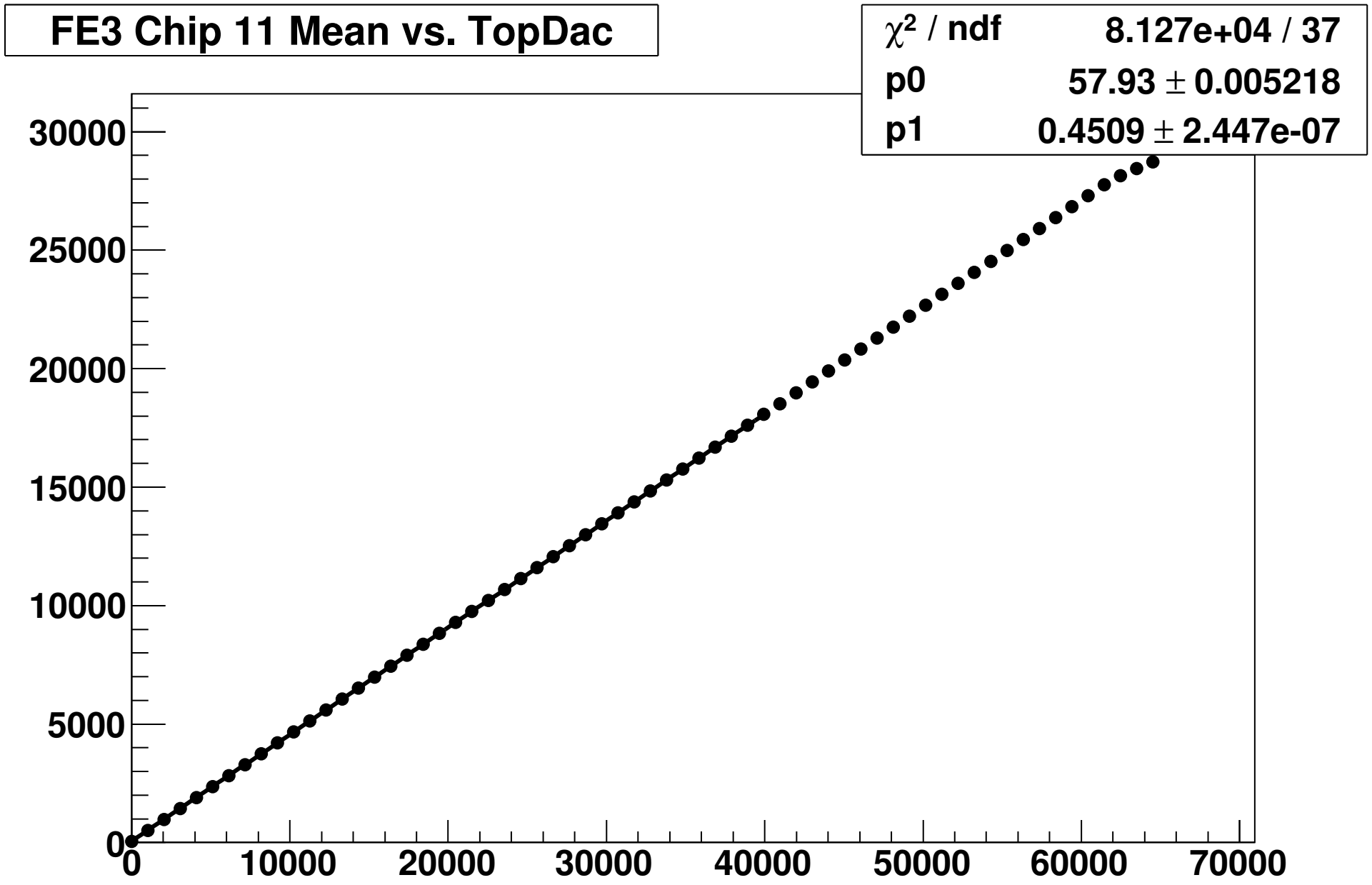

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 33.81 / 37
p0 1.486 ± 0.002904
p1 8.735e-07 ± 4.238e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

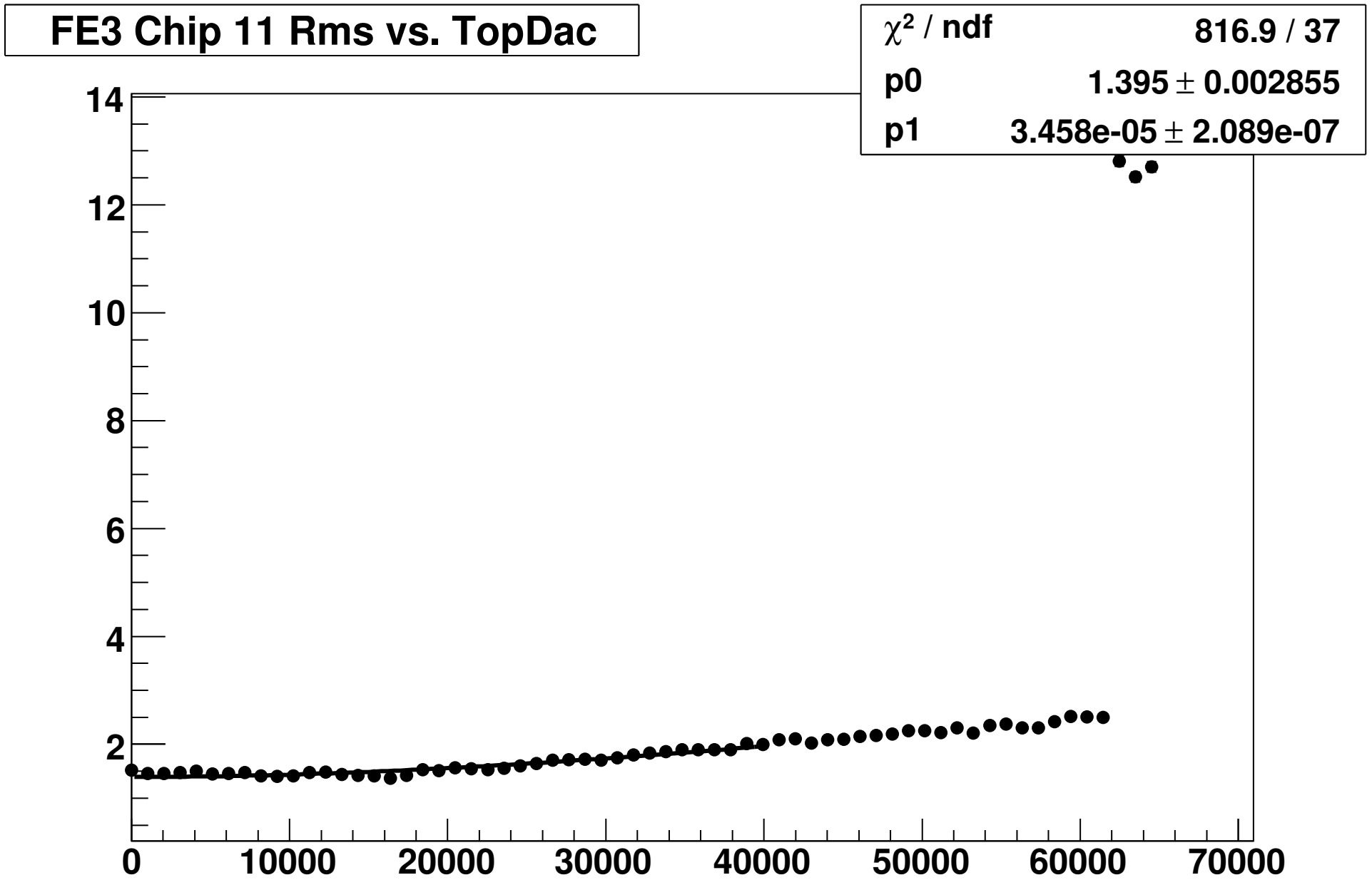

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 8.602e+04 / 37
p0 53.12 ± 0.005233
p1 0.4509 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

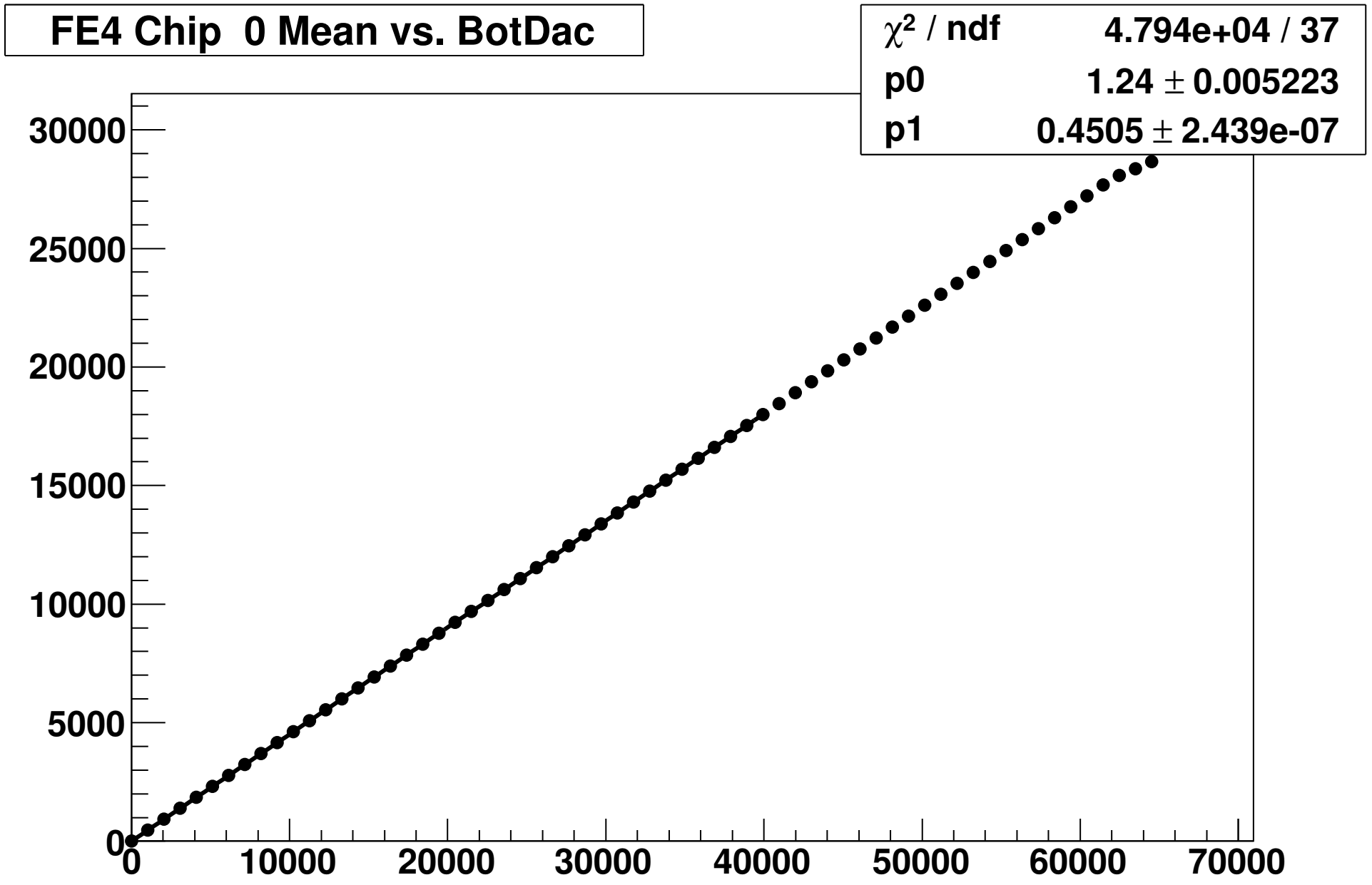

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1275 / 37
p0 1.388 ± 0.002841
p1 3.415e-05 ± 2.088e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

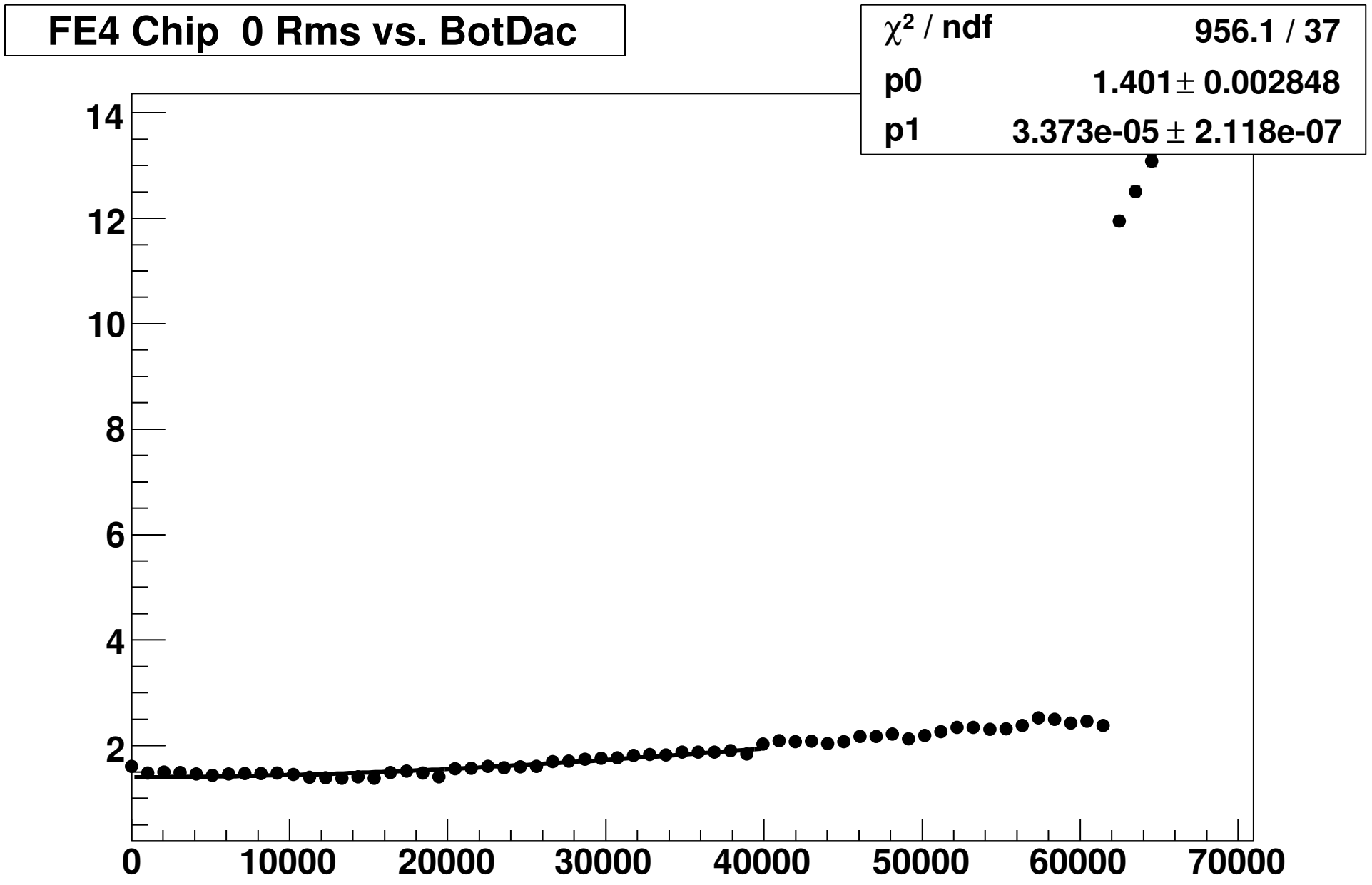

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 281.4 / 37
p0 56.24 ± 0.00523
p1 4.489e-06 ± 2.224e-07
56.5
56.4
56.3
56.2
56.1
56
0
10000
20000
30000
40000
50000
60000
70000

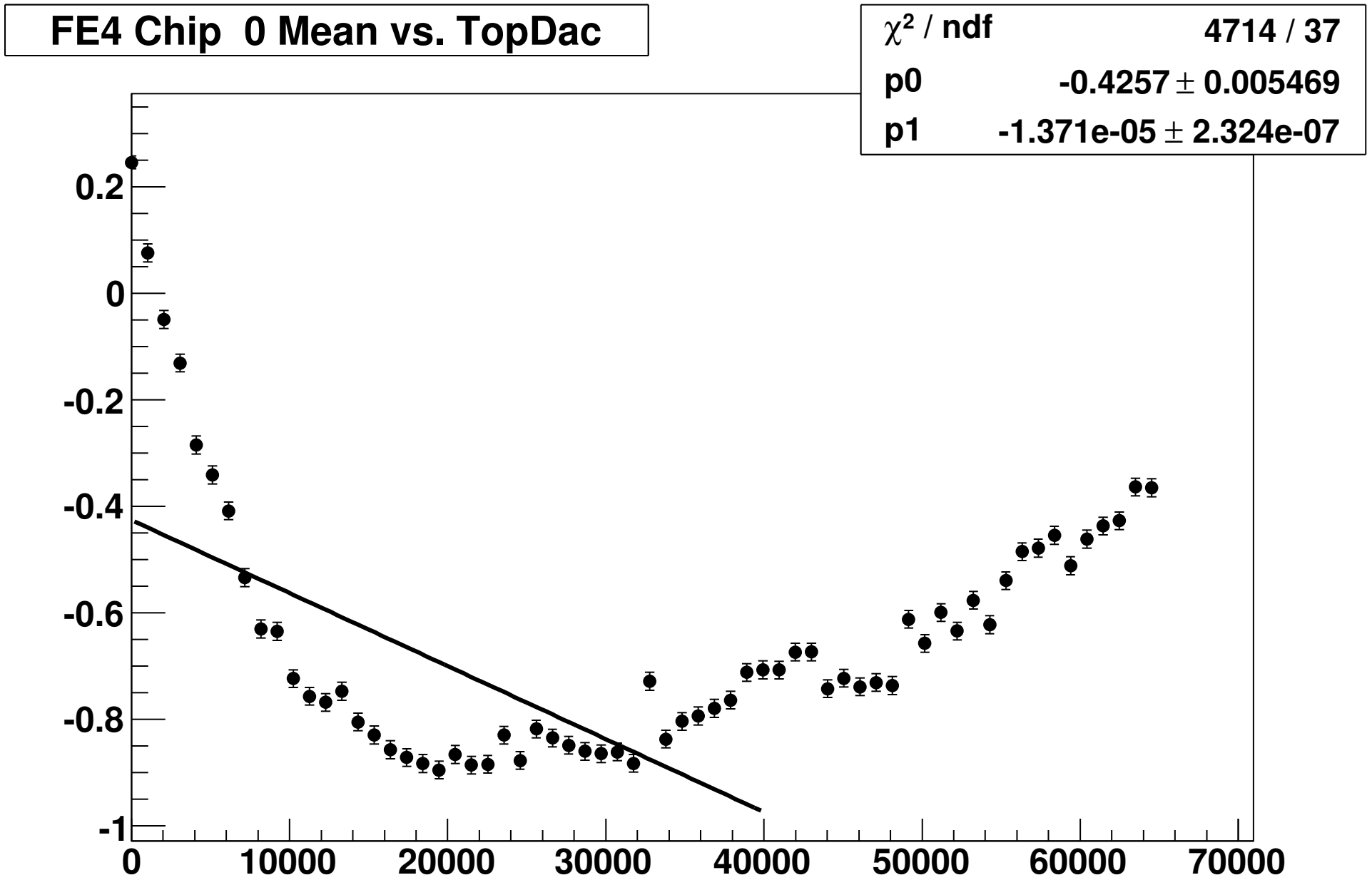

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 42.42 / 37
p0 1.513 ± 0.001823
p1 -1.845e-15 ± 2.83e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

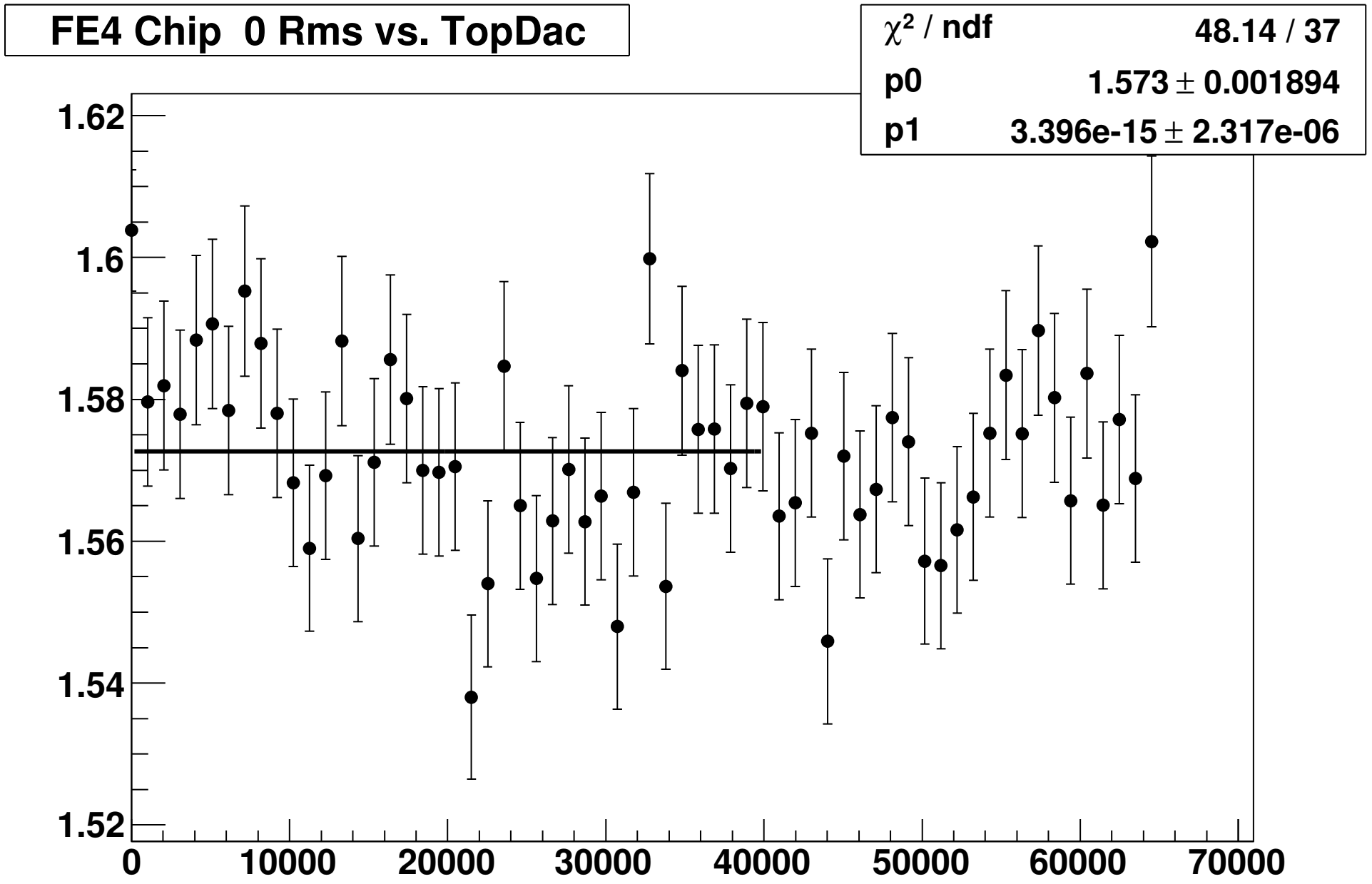

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 8.127e+04 / 37
p0 57.93 ± 0.005218
p1 0.4509 ± 2.447e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

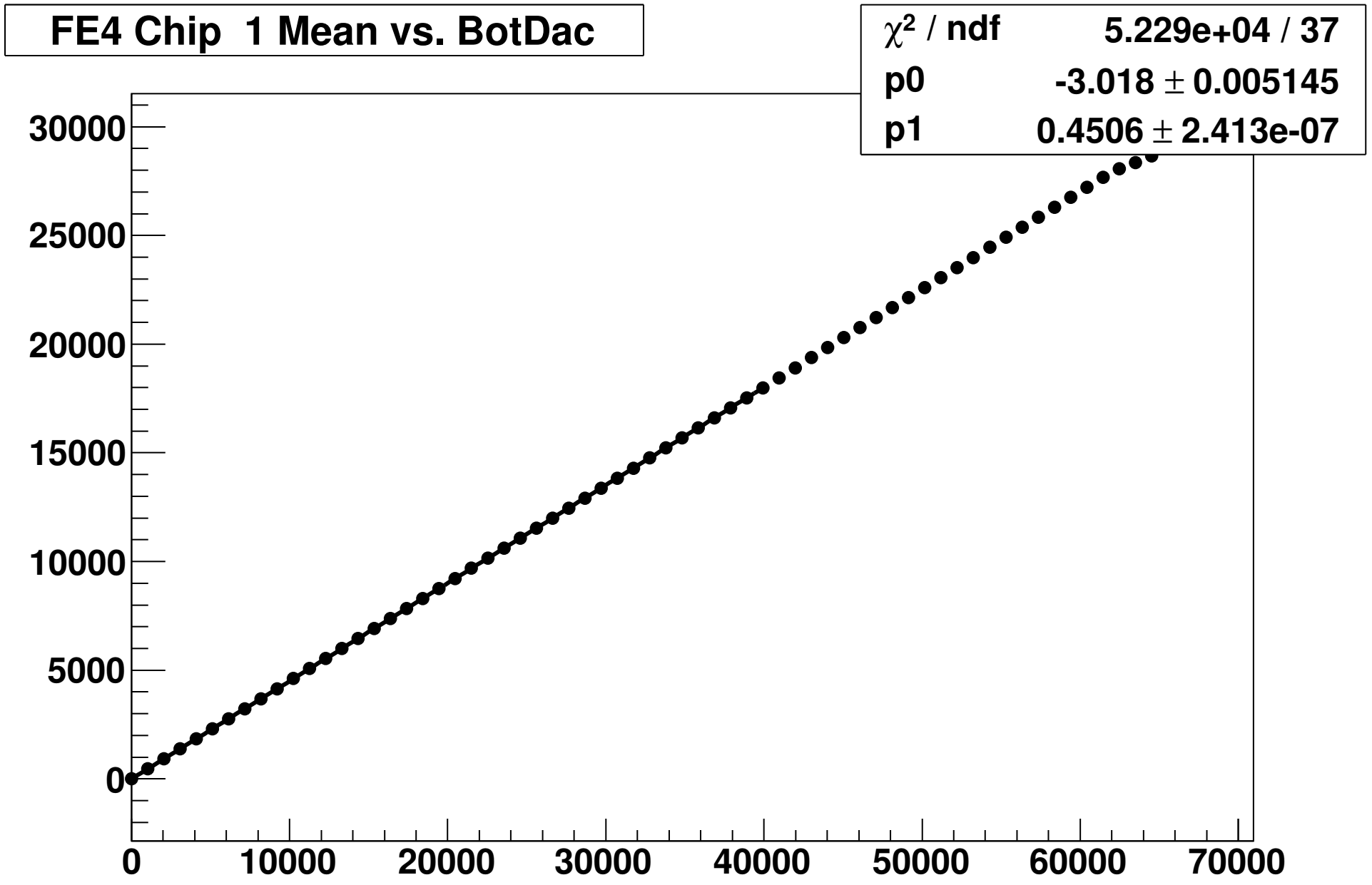

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 816.9 / 37
p0 1.395 ± 0.002855
p1 3.458e-05 ± 2.089e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

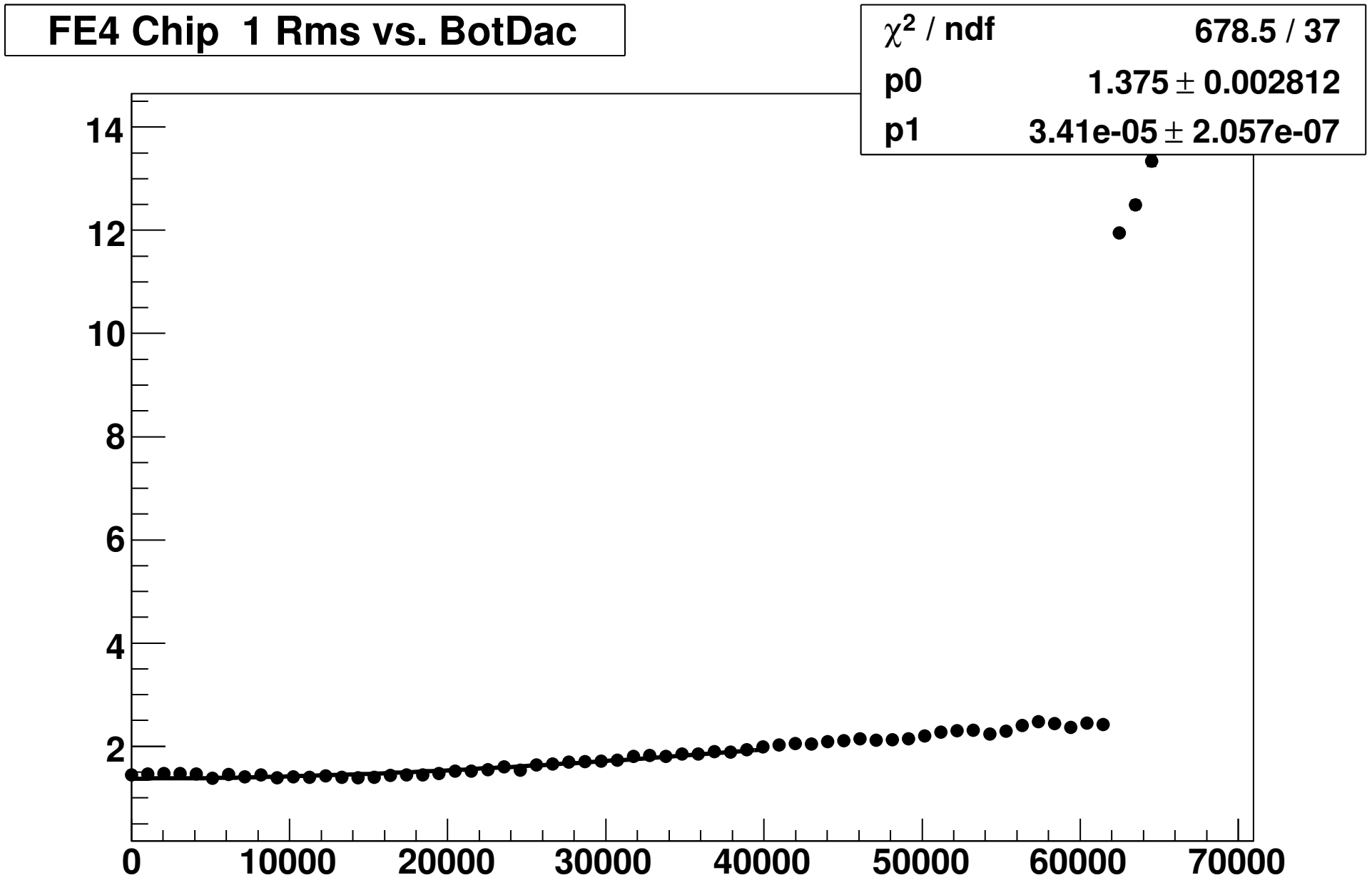

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 4.794e+04 / 37
p0 1.24 ± 0.005223
p1 0.4505 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

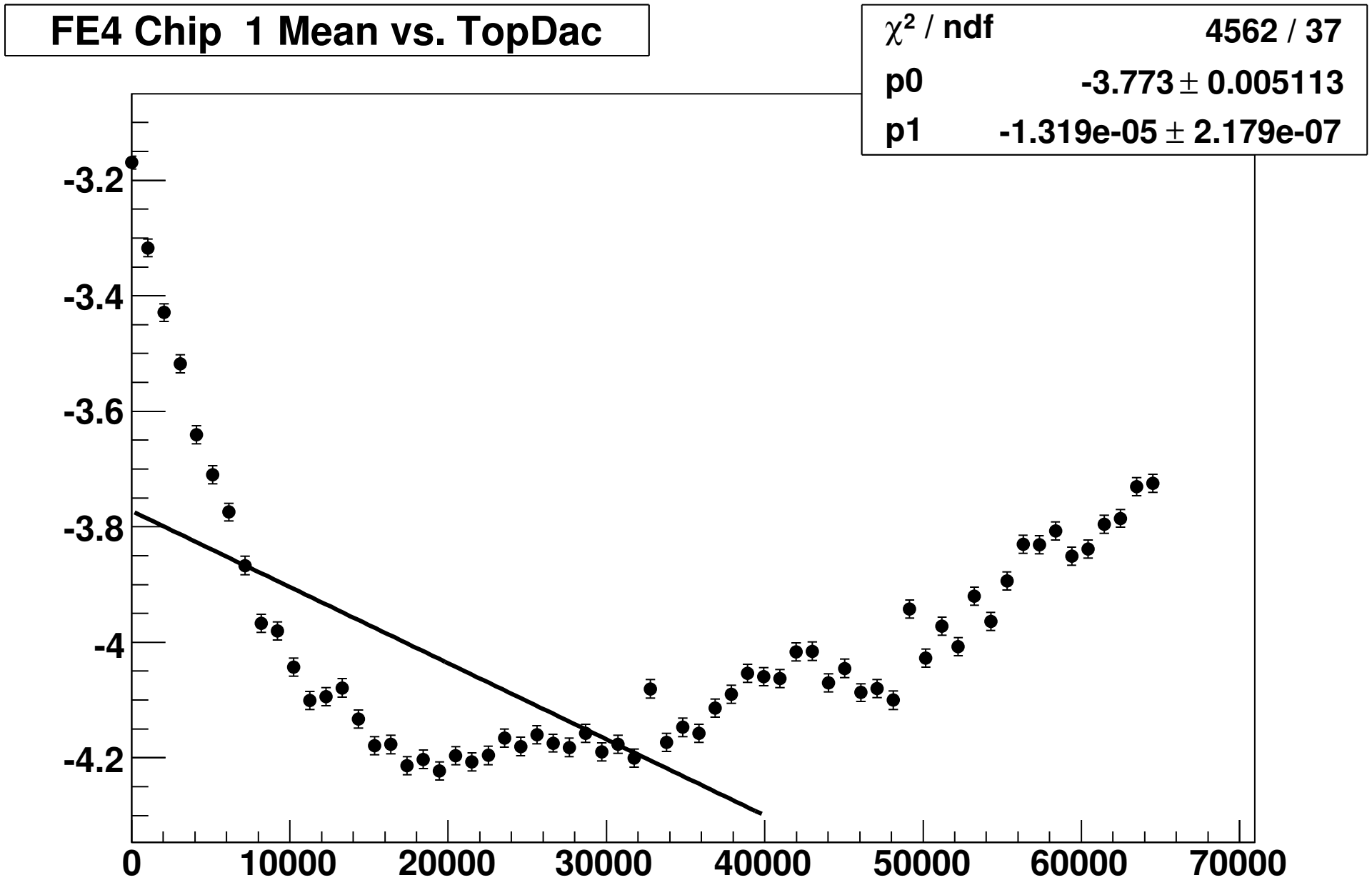

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 956.1 / 37
p0 1.401 ± 0.002848
p1 3.373e-05 ± 2.118e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

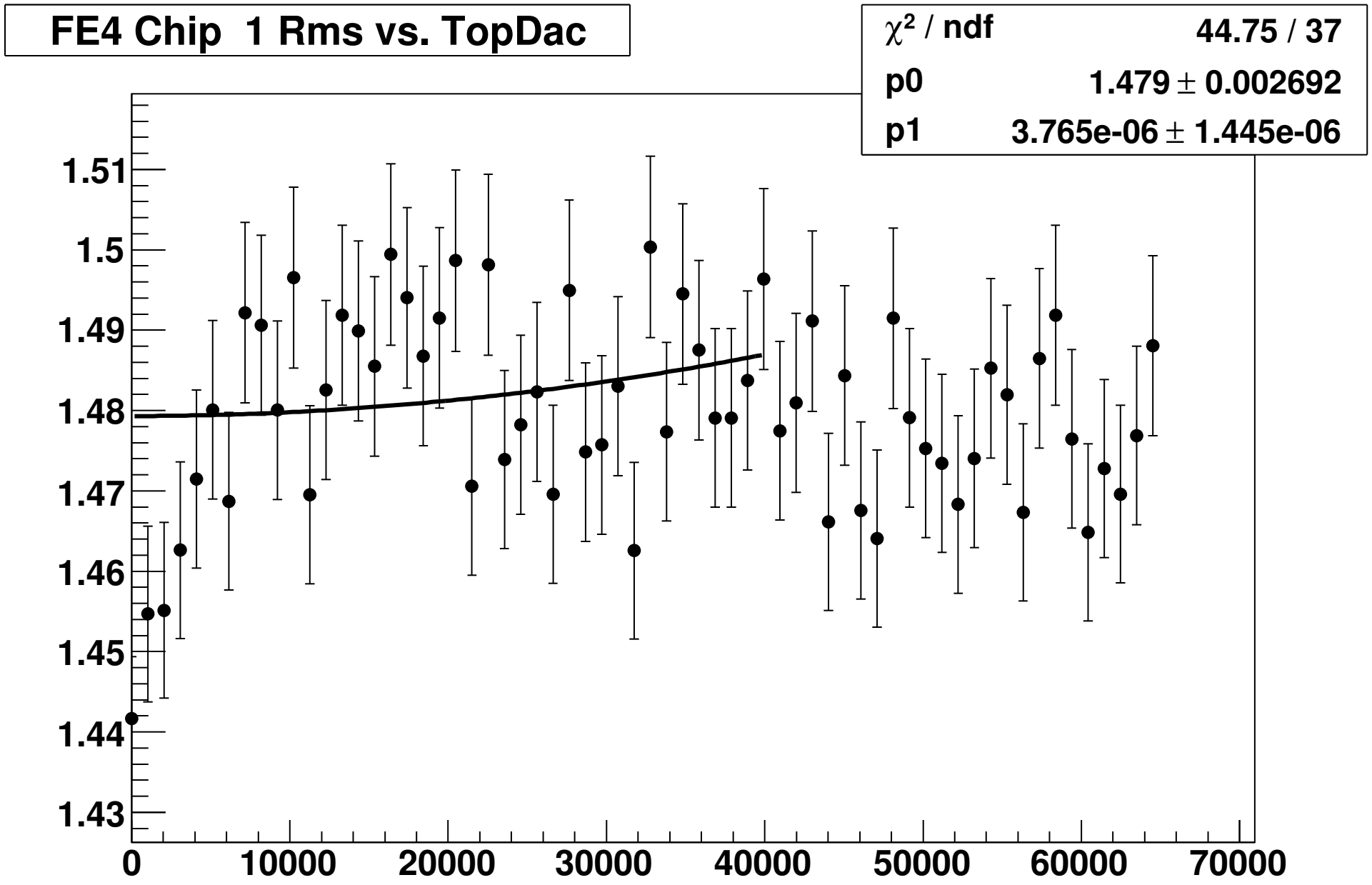

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 4714 / 37
p0 -0.4257 ± 0.005469
p1 -1.371e-05 ± 2.324e-07
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
60000
70000

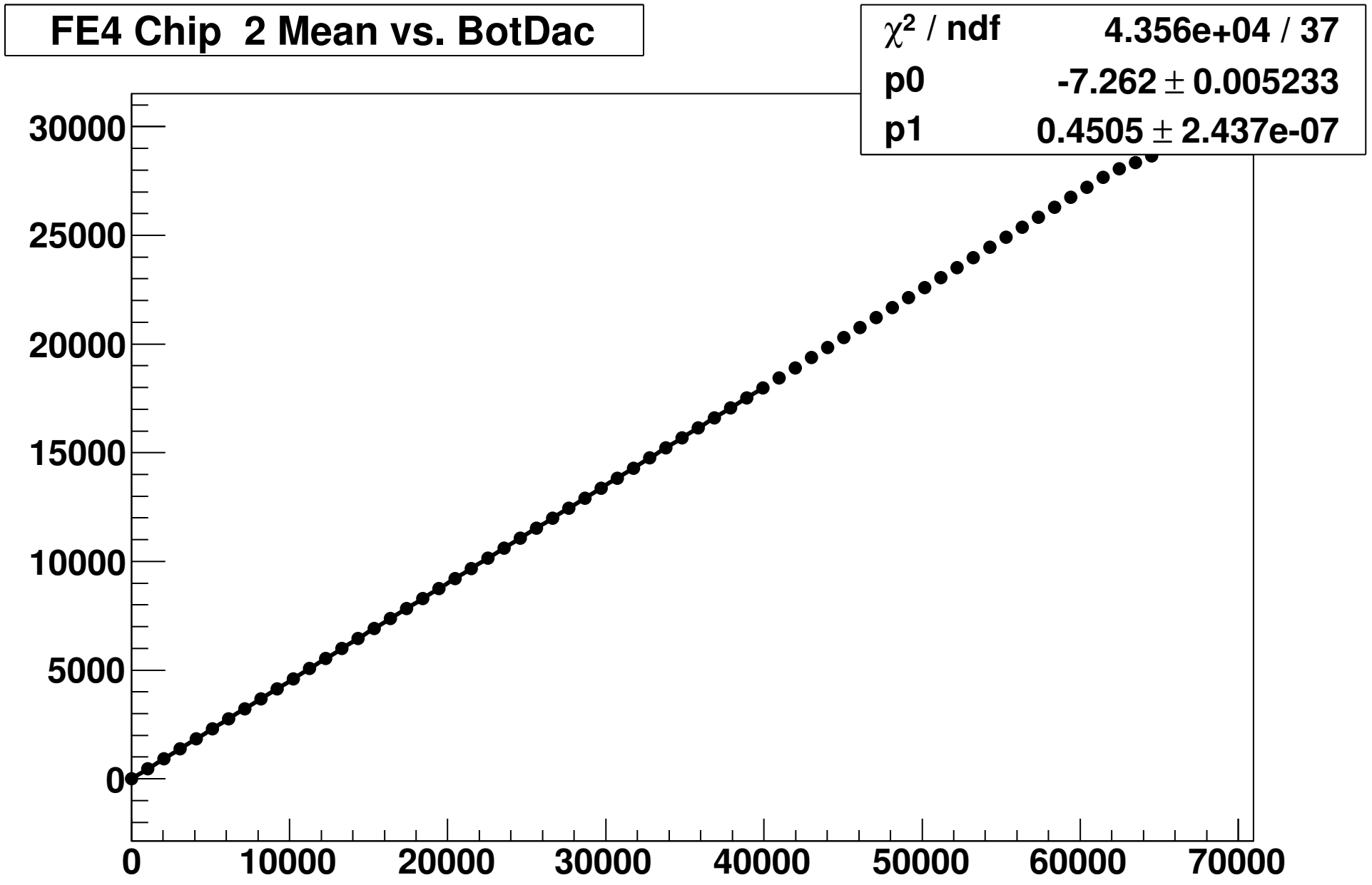

FE4 Chip 0 Rms vs. TopDac
χ² / ndf 48.14 / 37
p0 1.573 ± 0.001894
p1 3.396e-15 ± 2.317e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000

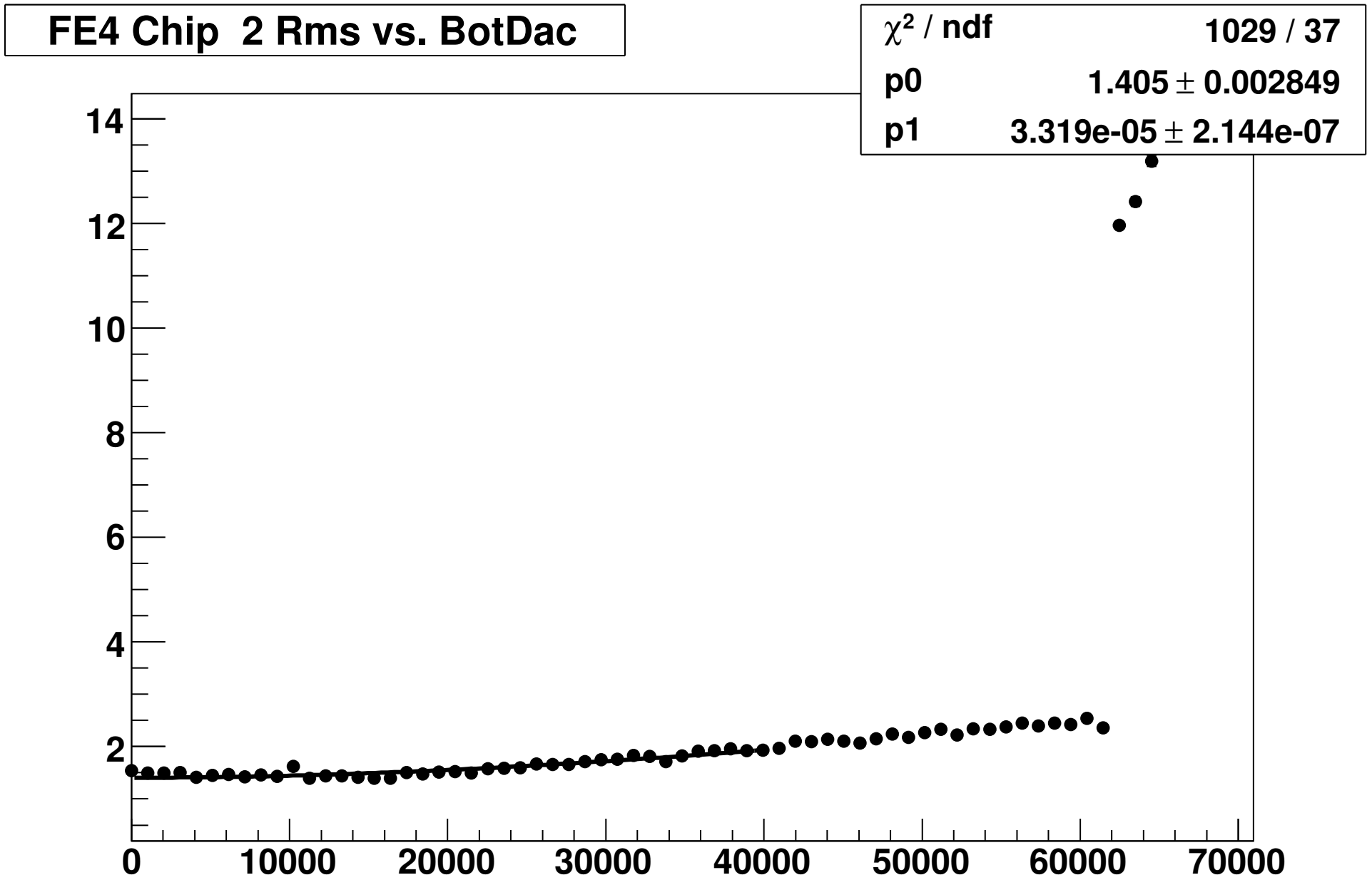

FE4 Chip 1 Mean vs. BotDac
χ² / ndf 5.229e+04 / 37
p0 -3.018 ± 0.005145
p1 0.4506 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

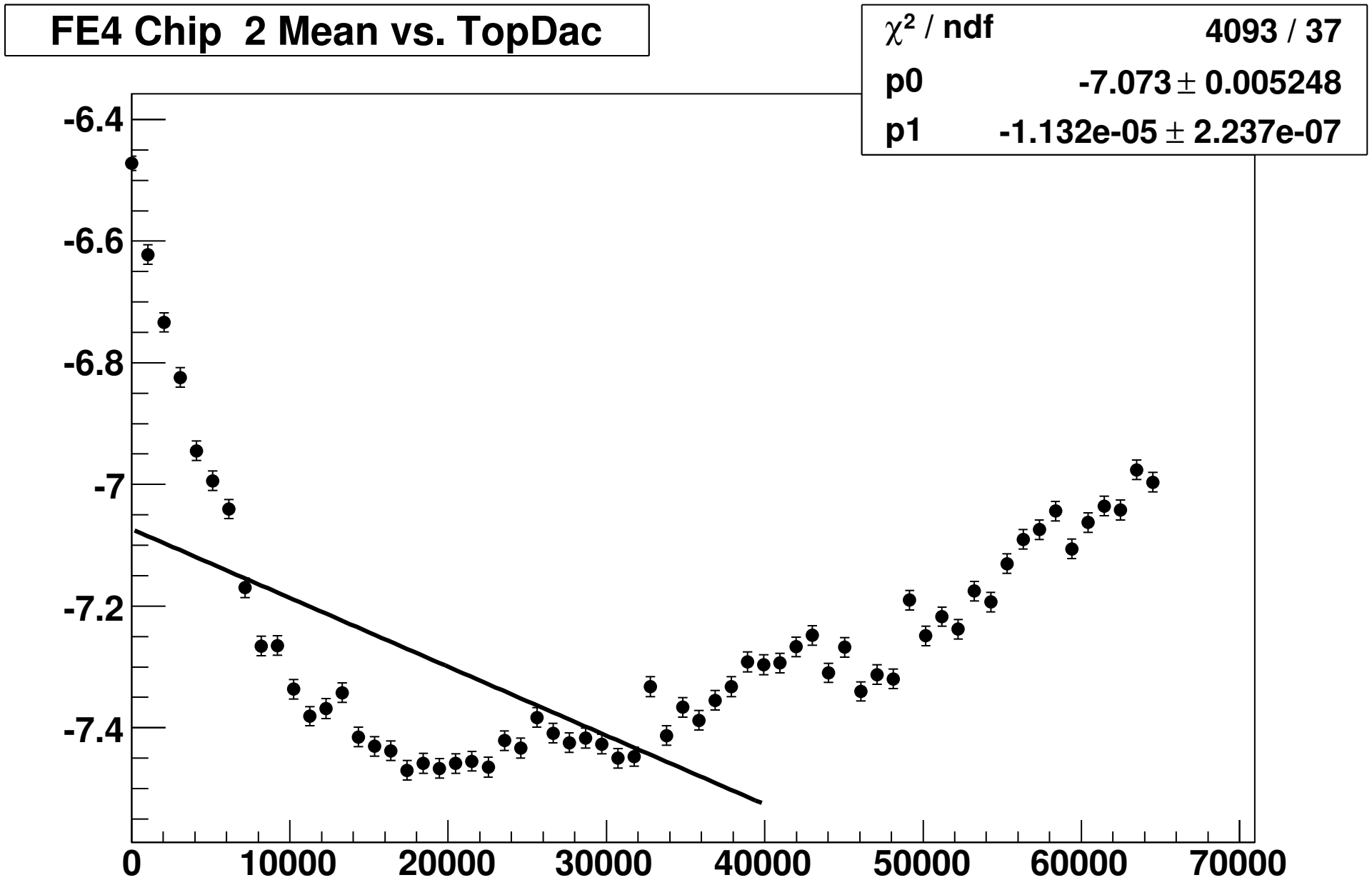

FE4 Chip 1 Rms vs. BotDac
χ² / ndf 678.5 / 37
p0 1.375 ± 0.002812
p1 3.41e-05 ± 2.057e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

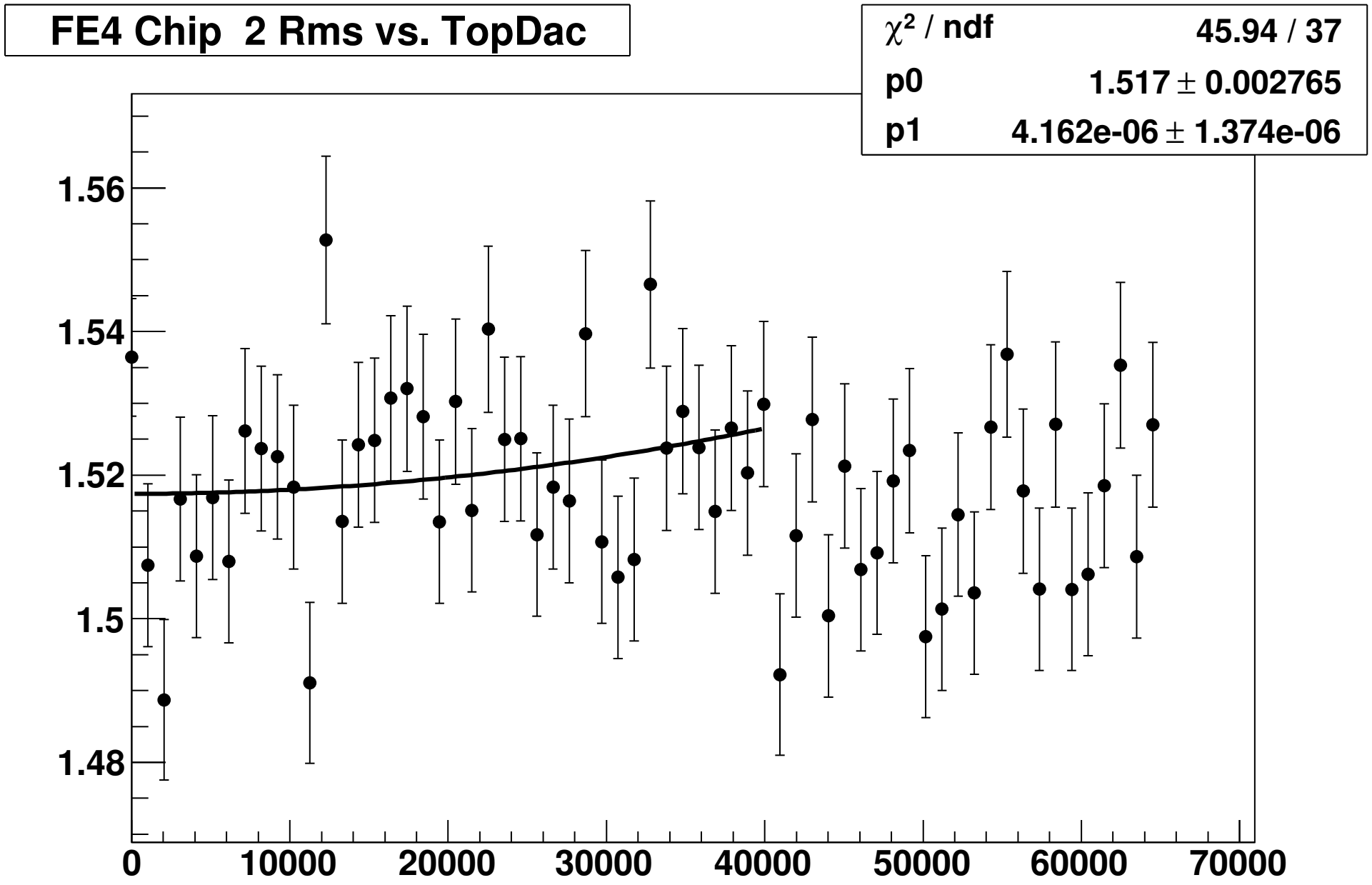

FE4 Chip 1 Mean vs. TopDac
χ² / ndf 4562 / 37
p0 -3.773 ± 0.005113
p1 -1.319e-05 ± 2.179e-07
-3.2
-3.4
-3.6
-3.8
-4
-4.2
0
10000
20000
30000
40000
50000
60000
70000

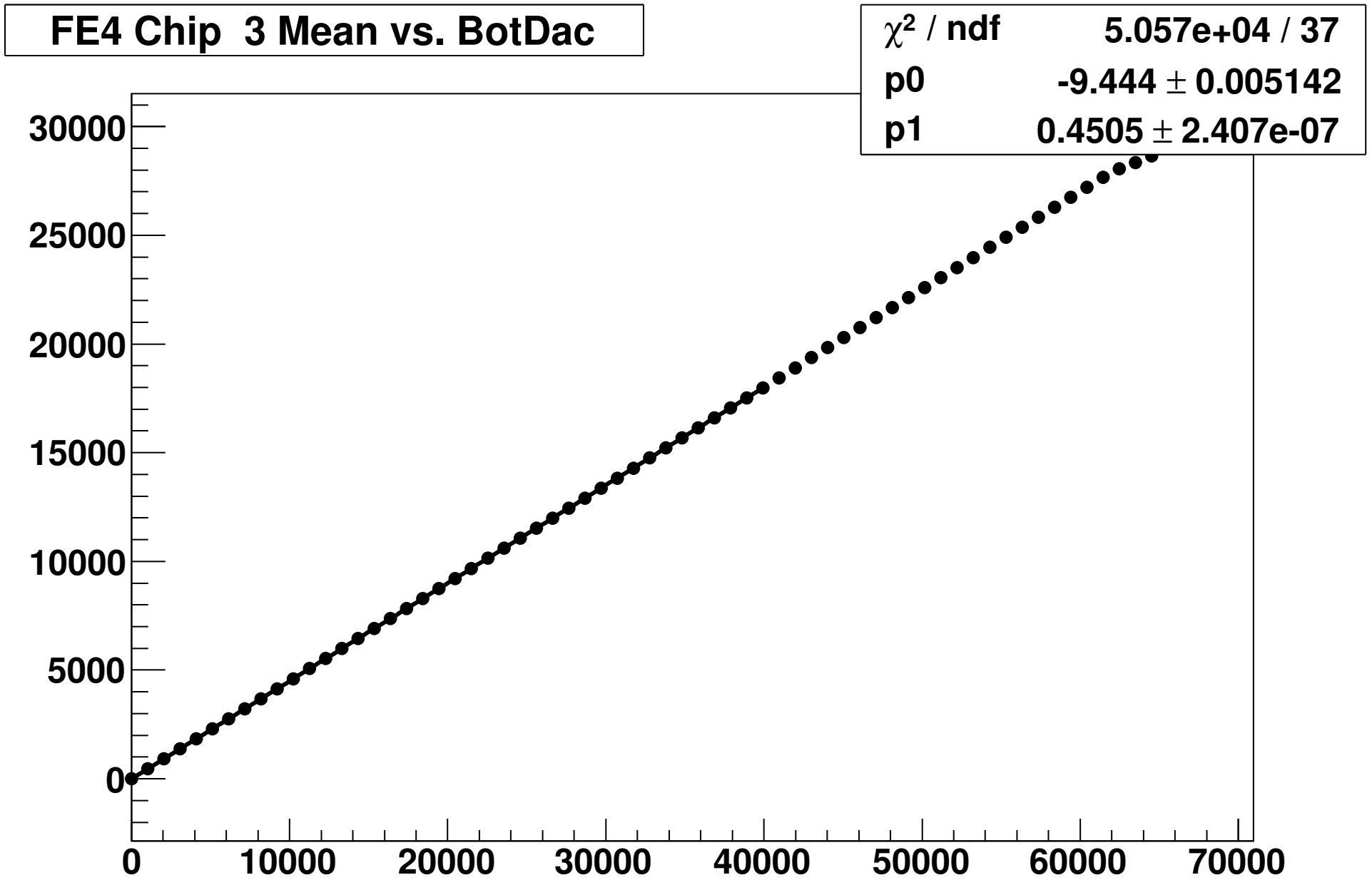

FE4 Chip 1 Rms vs. TopDac
χ² / ndf 44.75 / 37
p0 1.479 ± 0.002692
p1 3.765e-06 ± 1.445e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

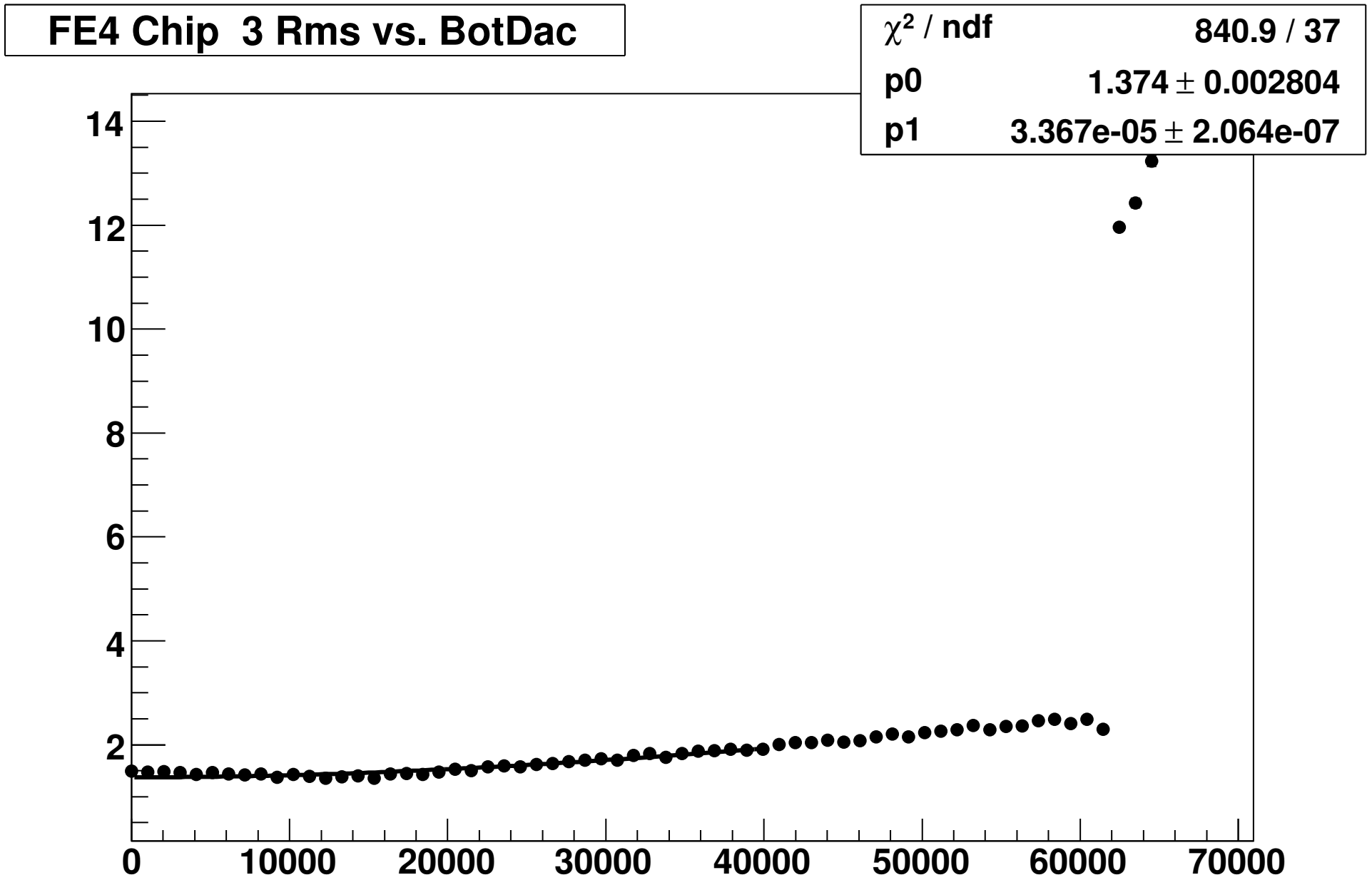

FE4 Chip 2 Mean vs. BotDac
χ² / ndf 4.356e+04 / 37
p0 -7.262 ± 0.005233
p1 0.4505 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

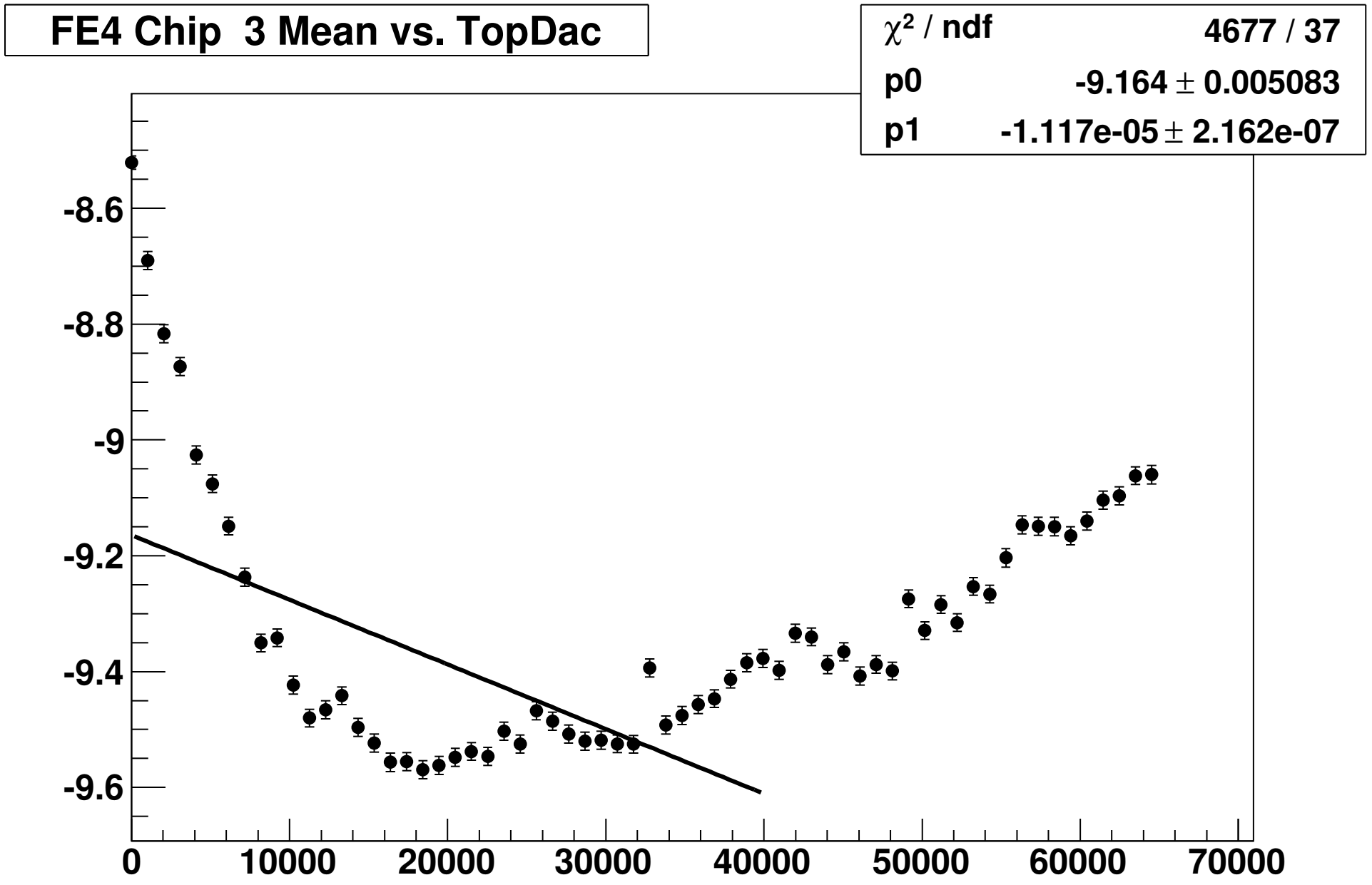

FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1029 / 37
p0 1.405 ± 0.002849
p1 3.319e-05 ± 2.144e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

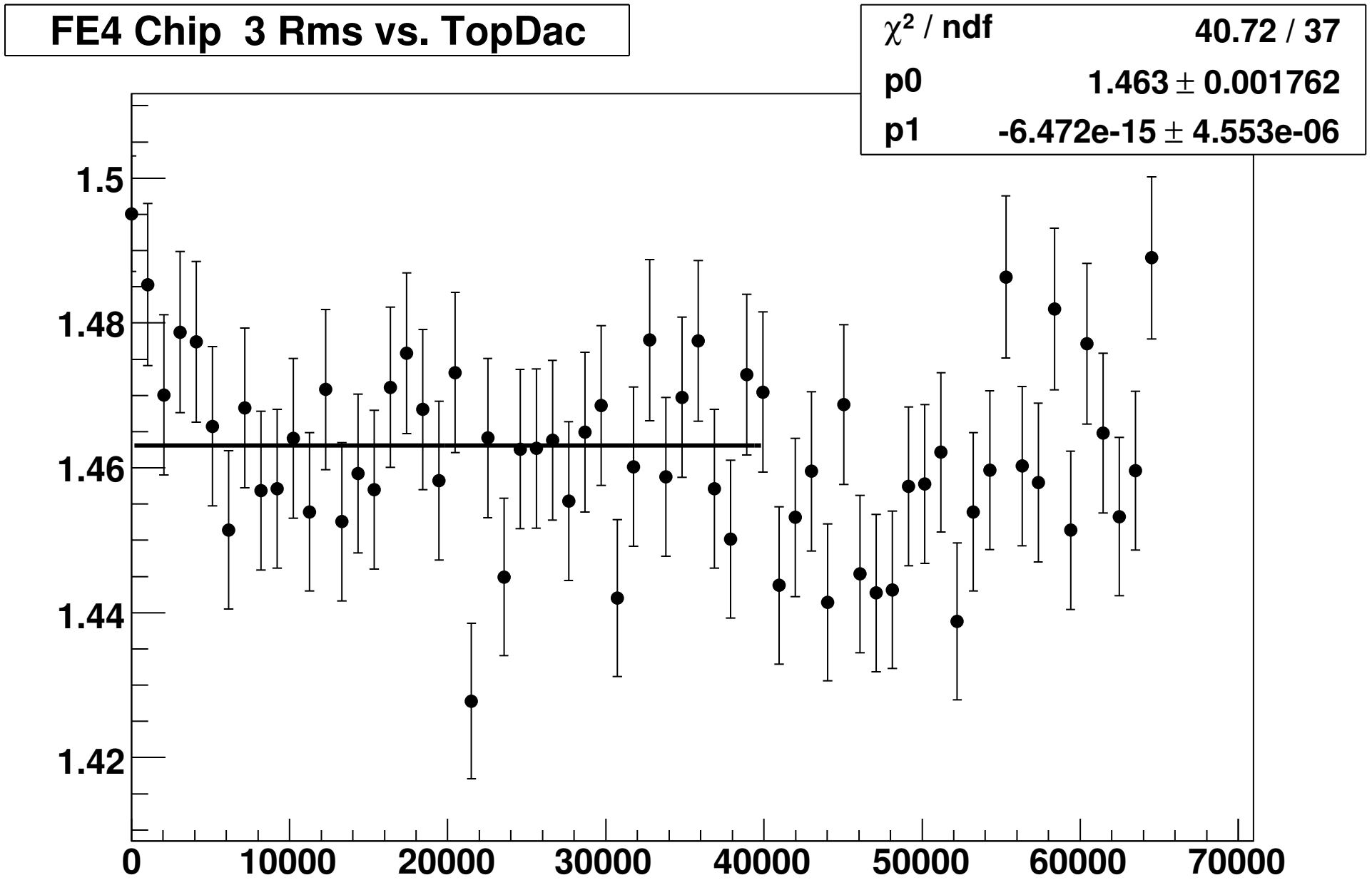

FE4 Chip 2 Mean vs. TopDac
χ² / ndf 4093 / 37
p0 -7.073 ± 0.005248
p1 -1.132e-05 ± 2.237e-07
-6.4
-6.6
-6.8
-7
-7.2
-7.4
0
10000
20000
30000
40000
50000
60000
70000

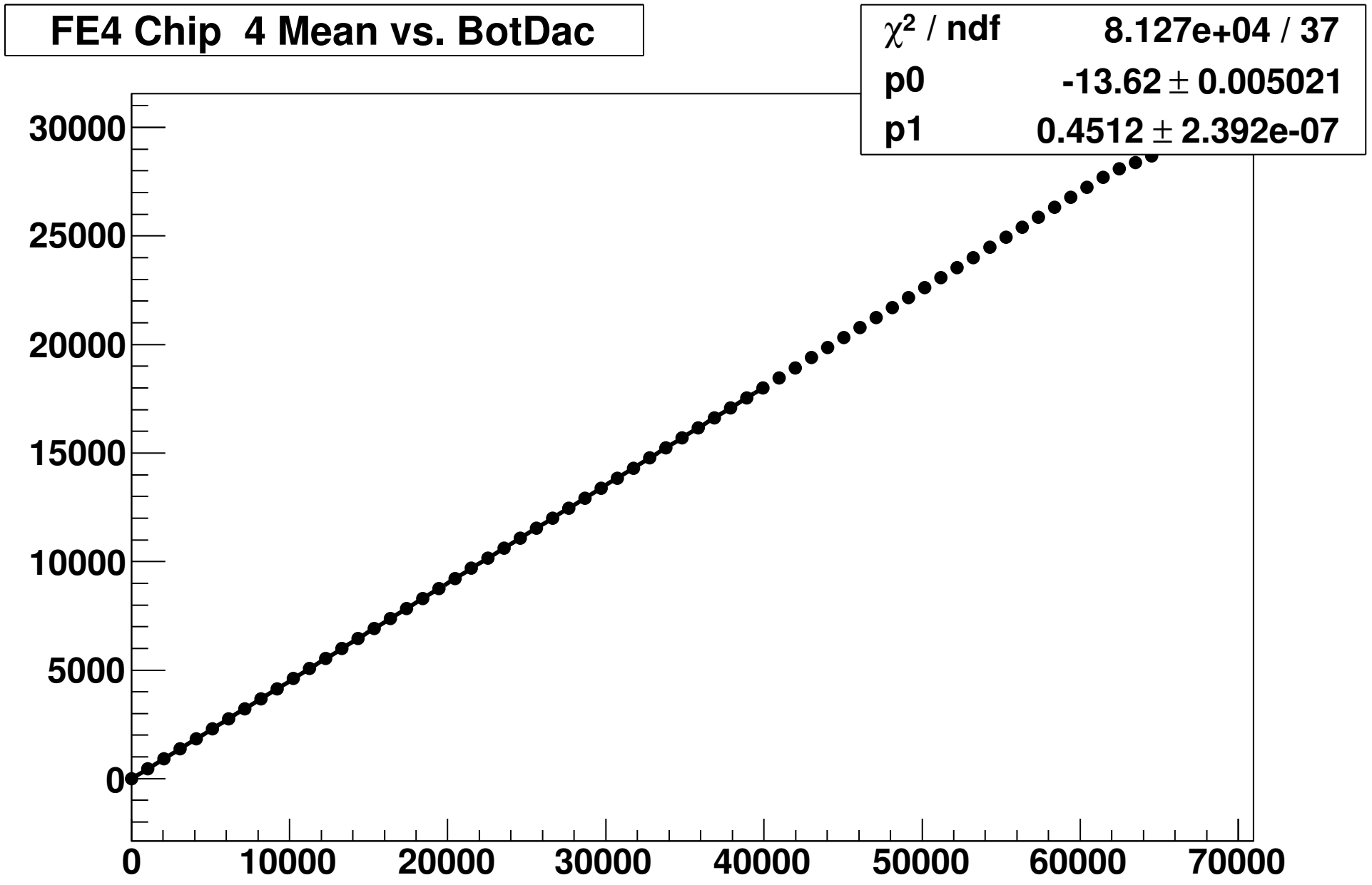

FE4 Chip 2 Rms vs. TopDac
χ² / ndf 45.94 / 37
p0 1.517 ± 0.002765
p1 4.162e-06 ± 1.374e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

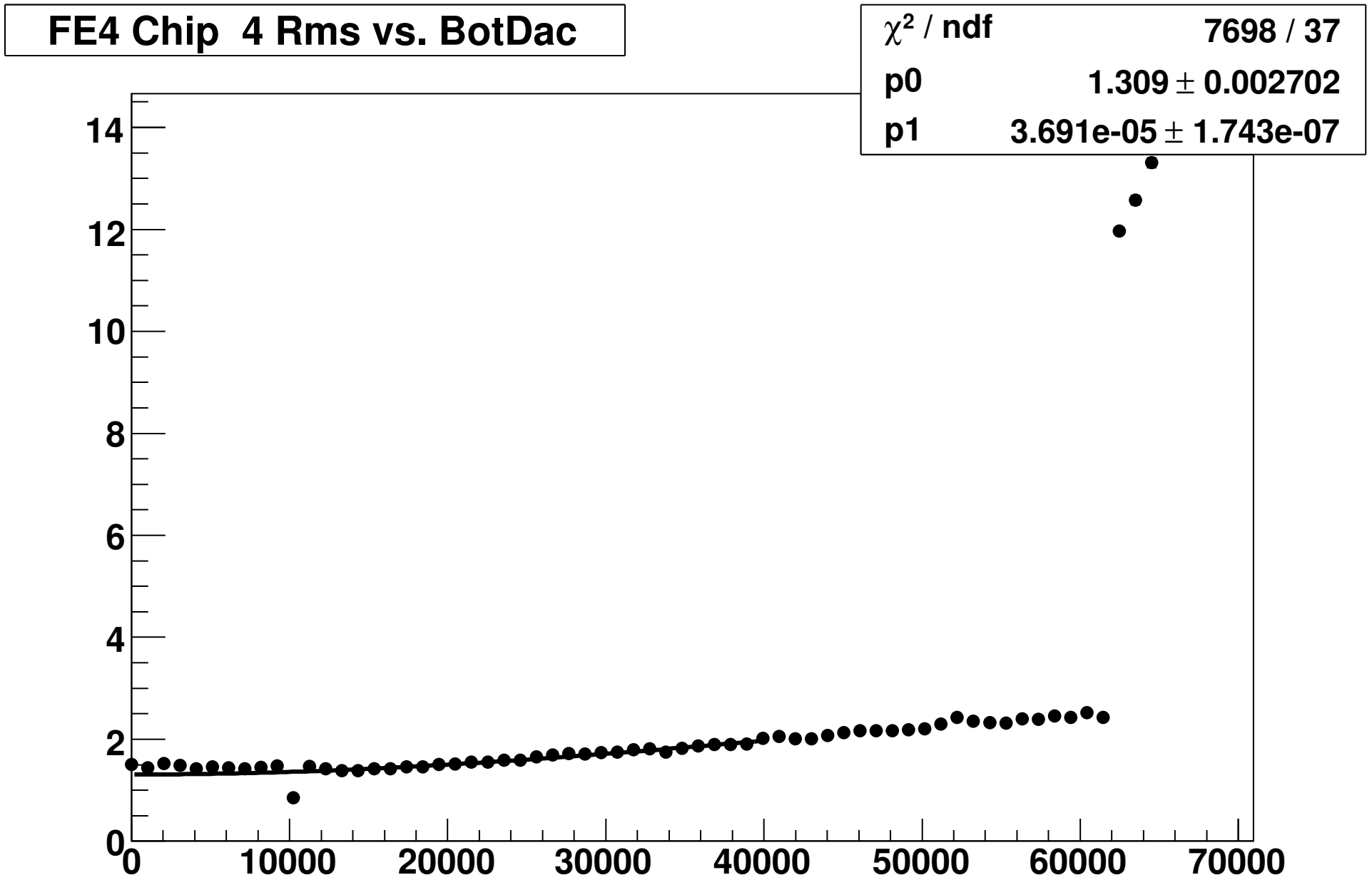

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 5.057e+04 / 37
p0 -9.444 ± 0.005142
p1 0.4505 ± 2.407e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

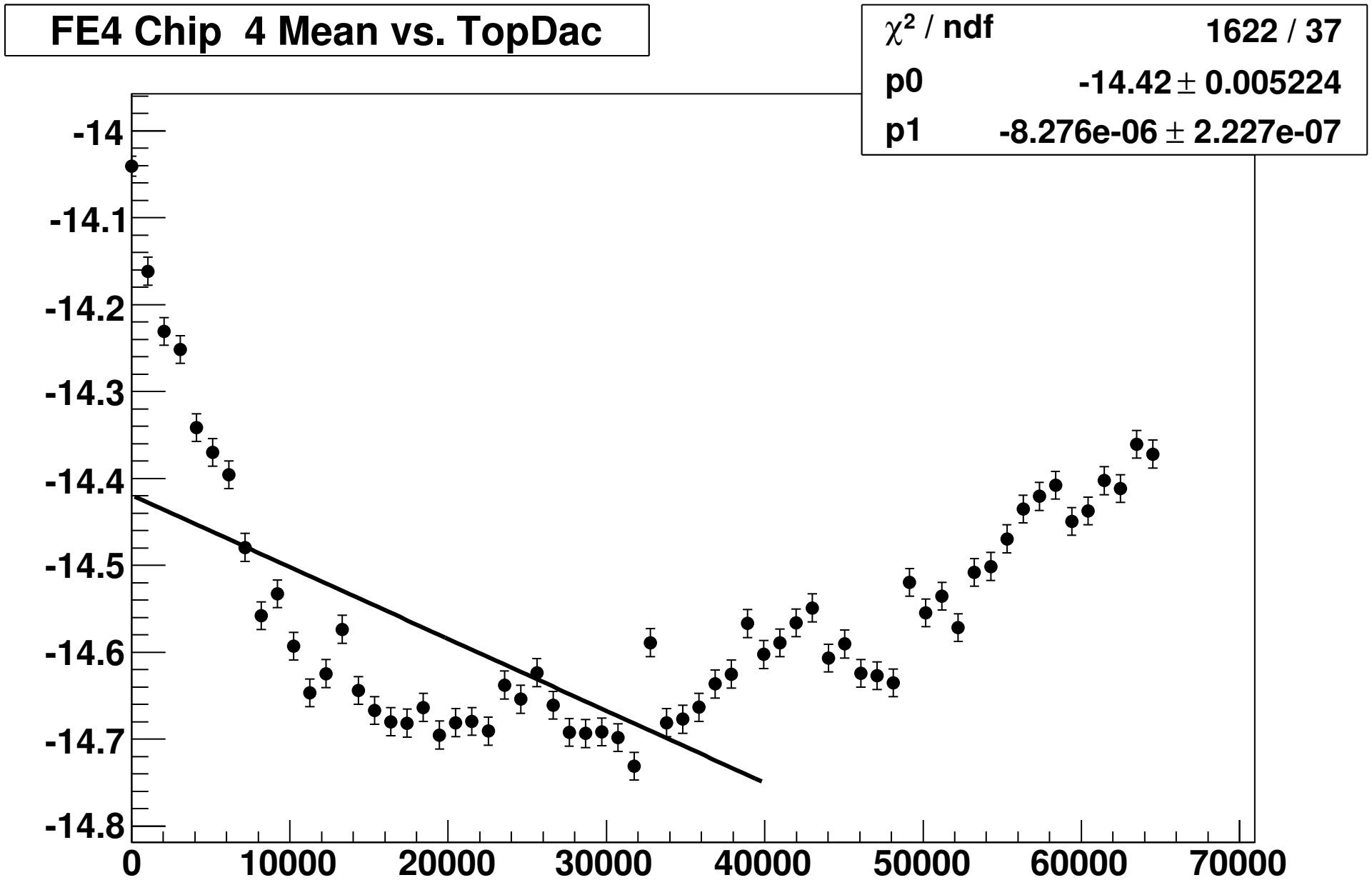

FE4 Chip 3 Rms vs. BotDac
χ² / ndf 840.9 / 37
p0 1.374 ± 0.002804
p1 3.367e-05 ± 2.064e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

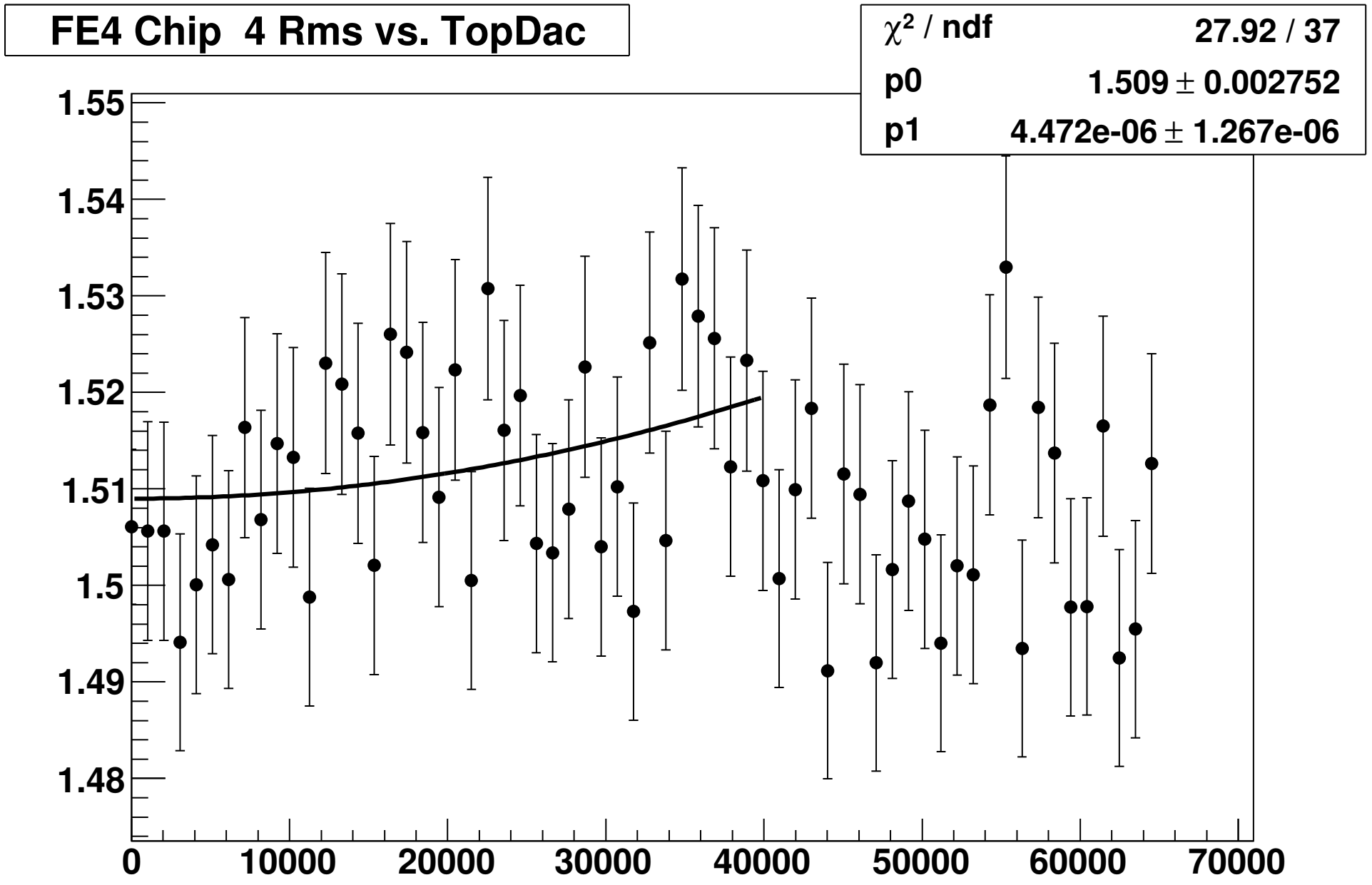

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 4677 / 37
p0 -9.164 ± 0.005083
p1 -1.117e-05 ± 2.162e-07
-8.6
-8.8
-9
-9.2
-9.4
-9.6
0
10000
20000
30000
40000
50000
60000
70000

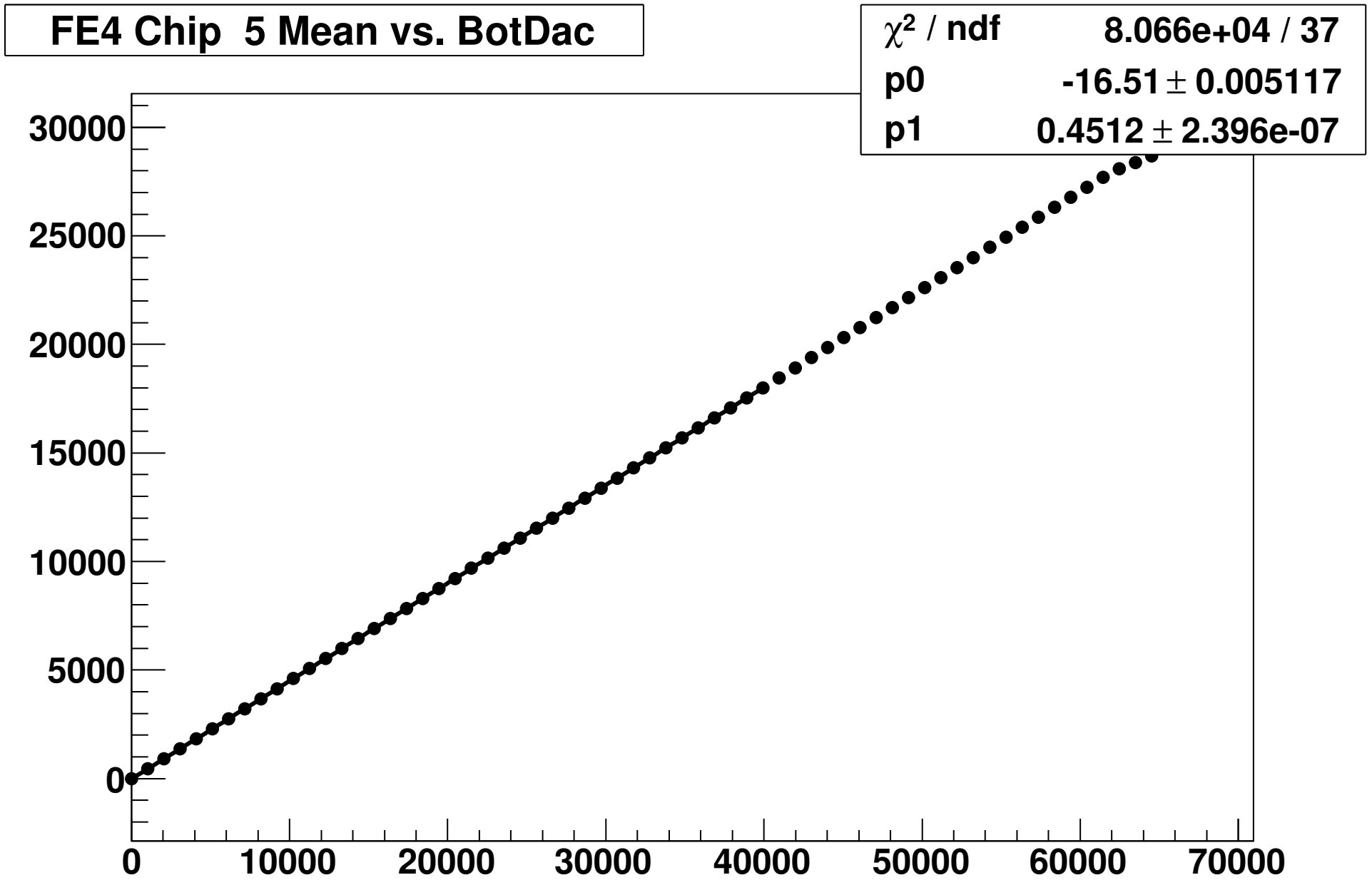

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 40.72 / 37
p0 1.463 ± 0.001762
p1 -6.472e-15 ± 4.553e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

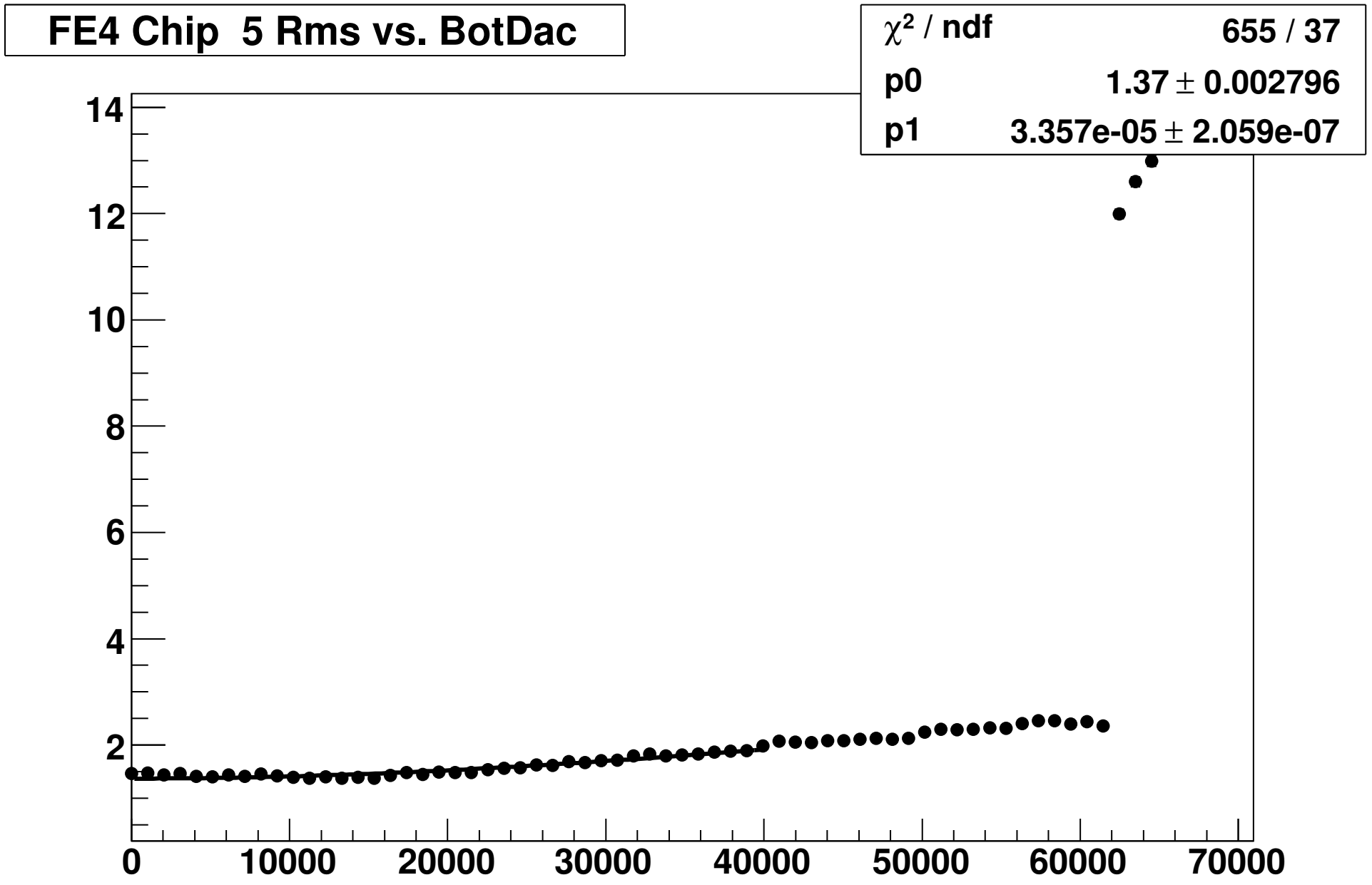

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 8.127e+04 / 37
p0 -13.62 ± 0.005021
p1 0.4512 ± 2.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

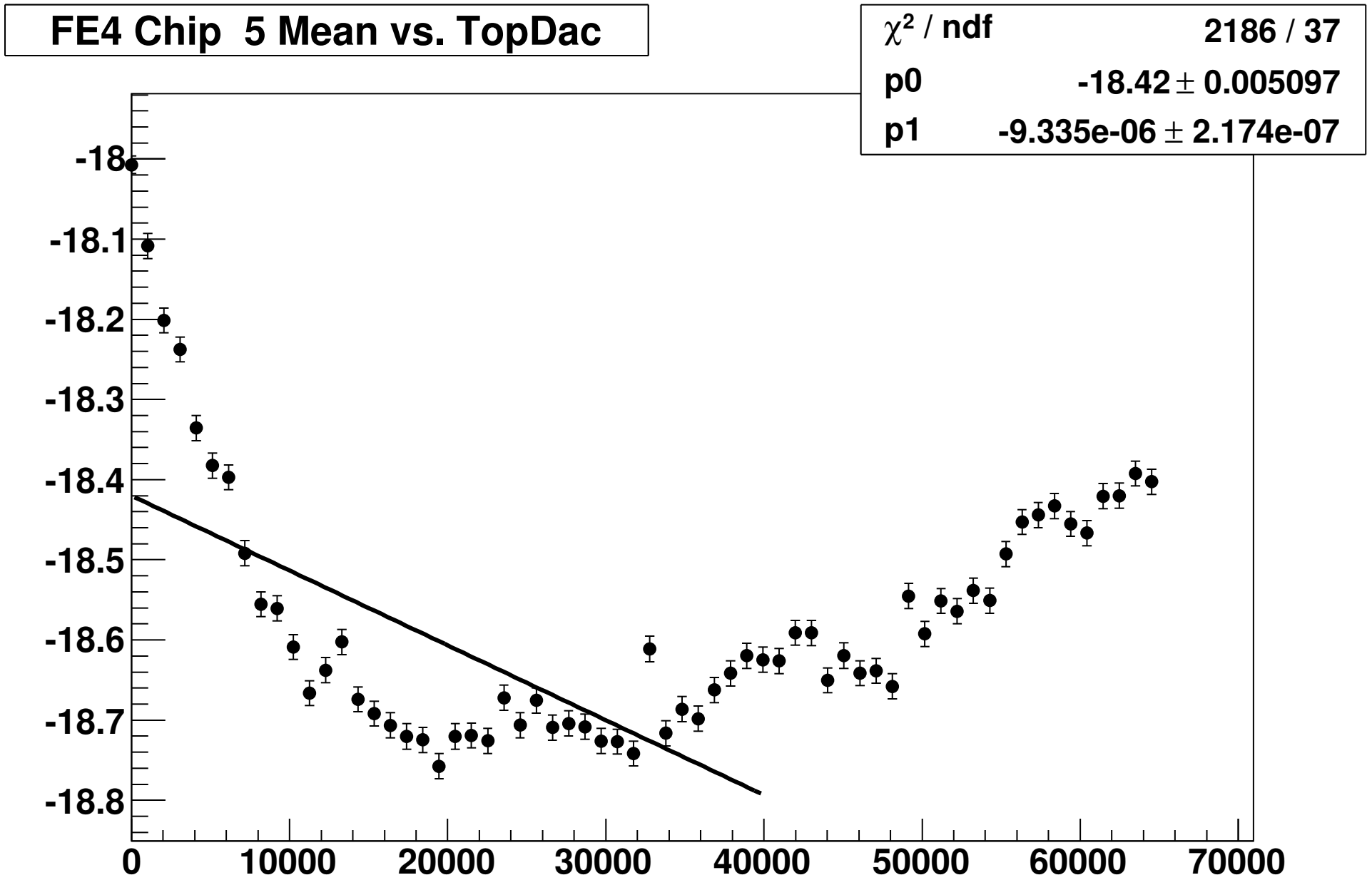

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 7698 / 37
p0 1.309 ± 0.002702
p1 3.691e-05 ± 1.743e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

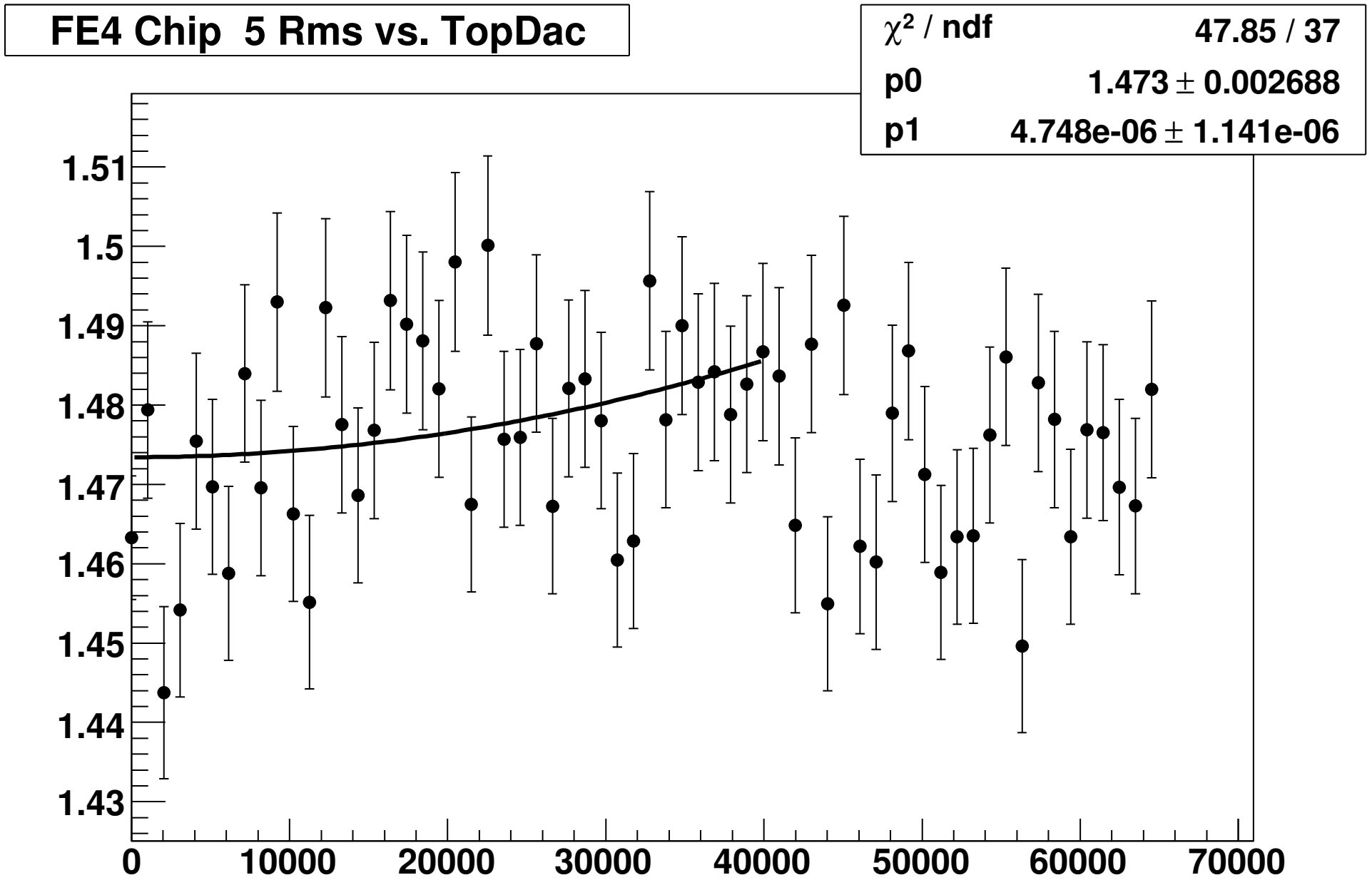

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1622 / 37
p0 -14.42 ± 0.005224
p1 -8.276e-06 ± 2.227e-07
-14
-14.1
-14.2
-14.3
-14.4
-14.5
-14.6
-14.7
-14.8
0
10000
20000
30000
40000
50000
60000
70000

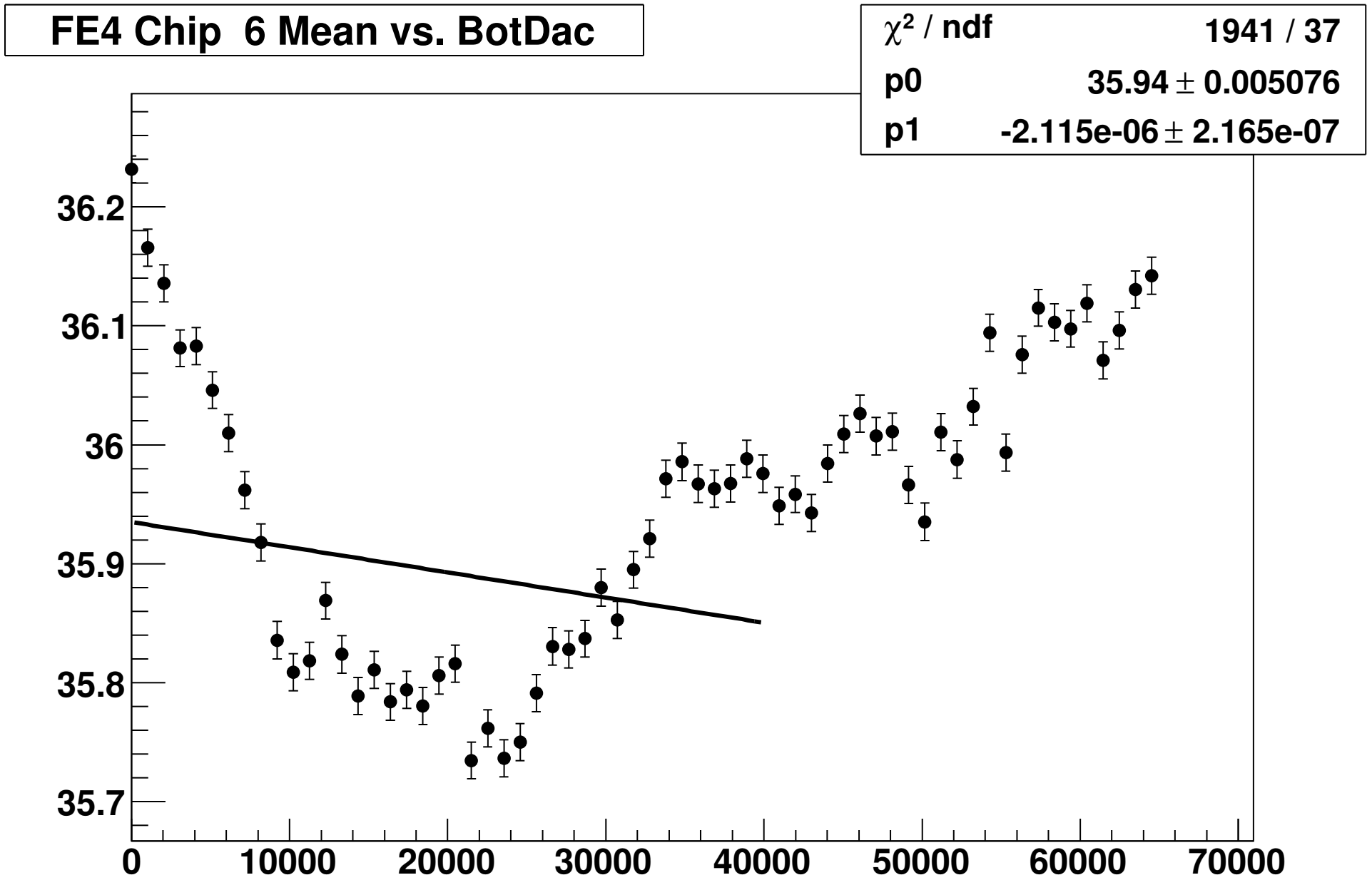

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 27.92 / 37
p0 1.509 ± 0.002752
p1 4.472e-06 ± 1.267e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

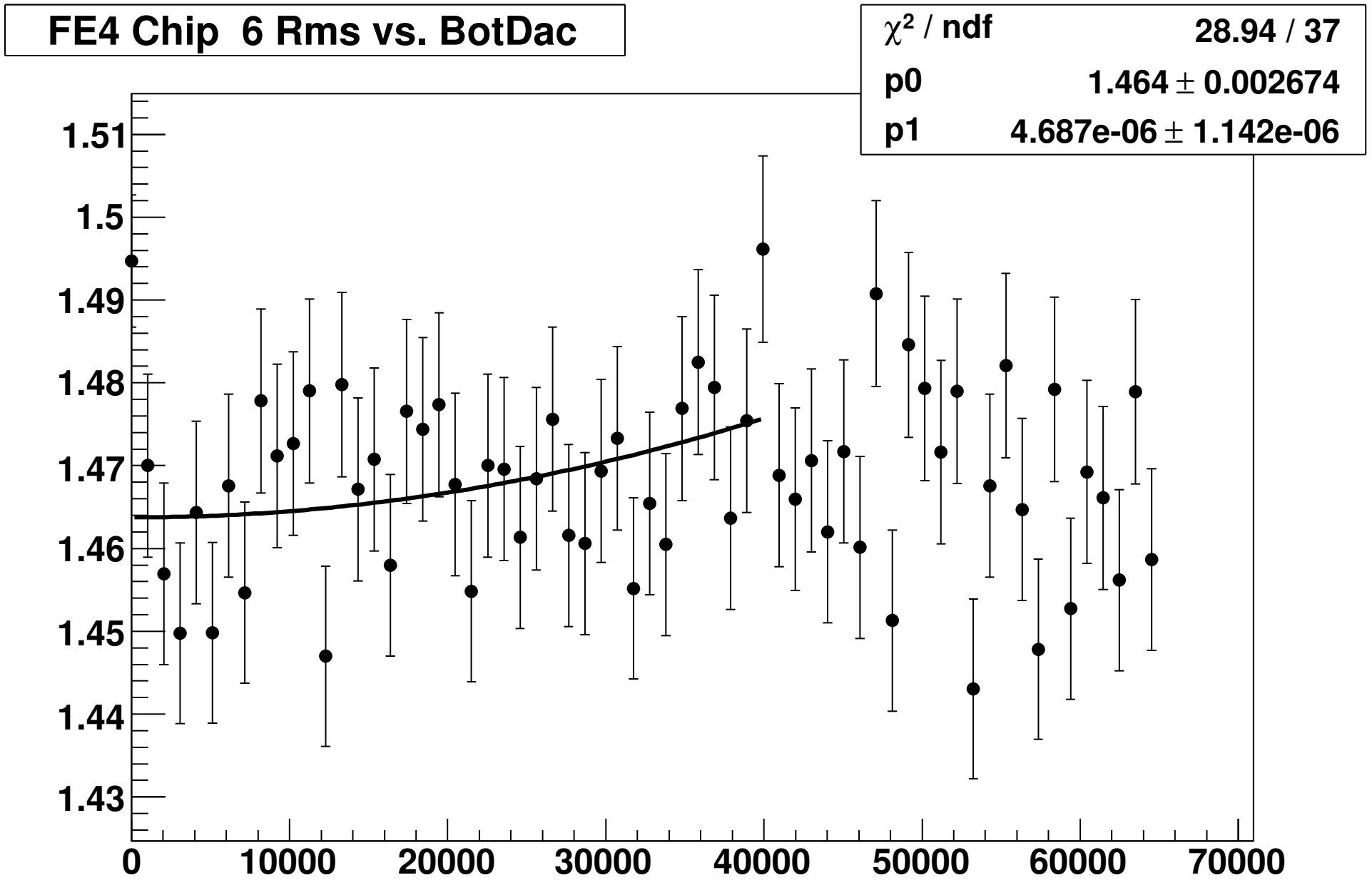

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 8.066e+04 / 37
p0 -16.51 ± 0.005117
p1 0.4512 ± 2.396e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

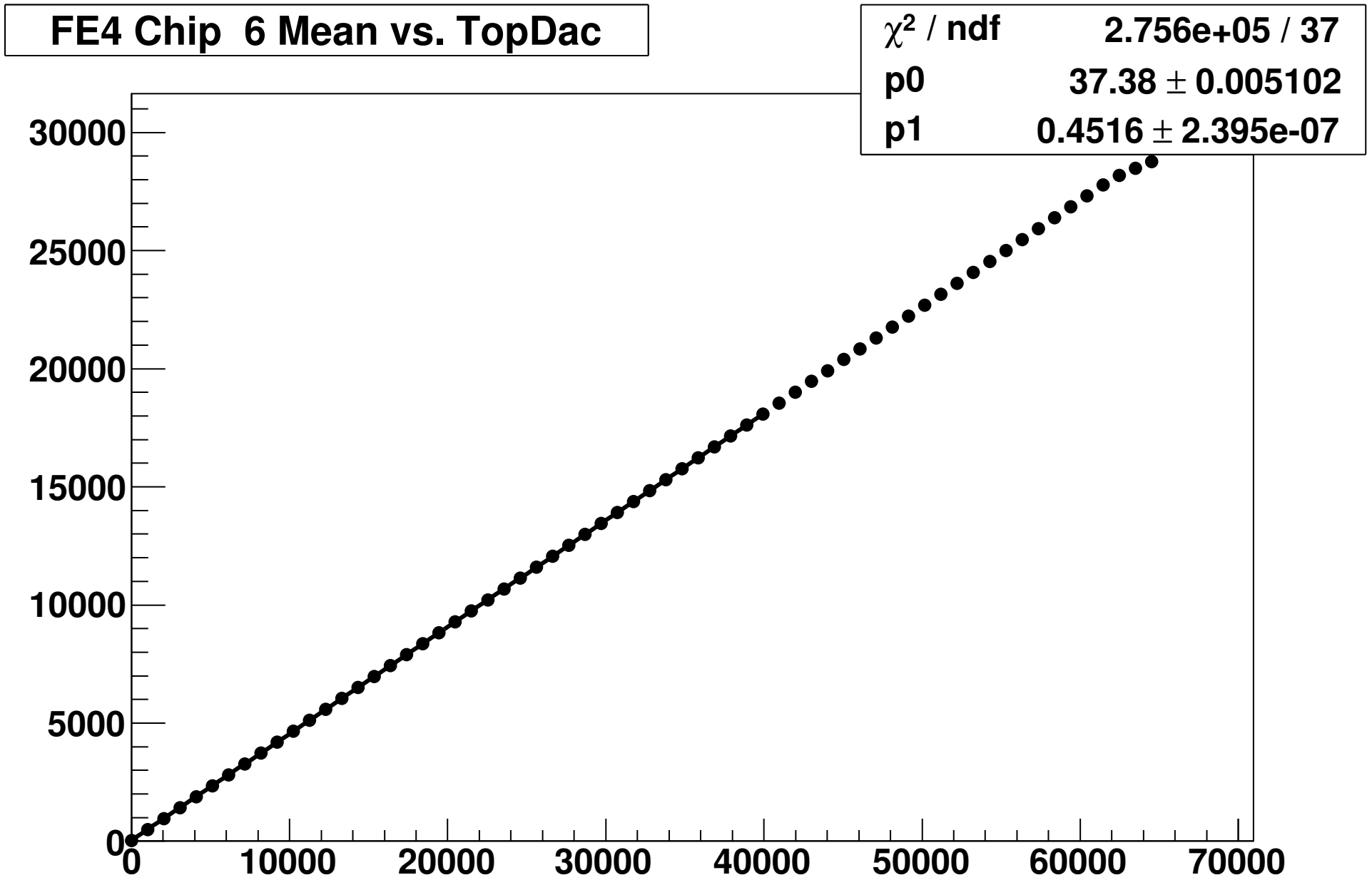

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 655 / 37
p0 1.37 ± 0.002796
p1 3.357e-05 ± 2.059e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

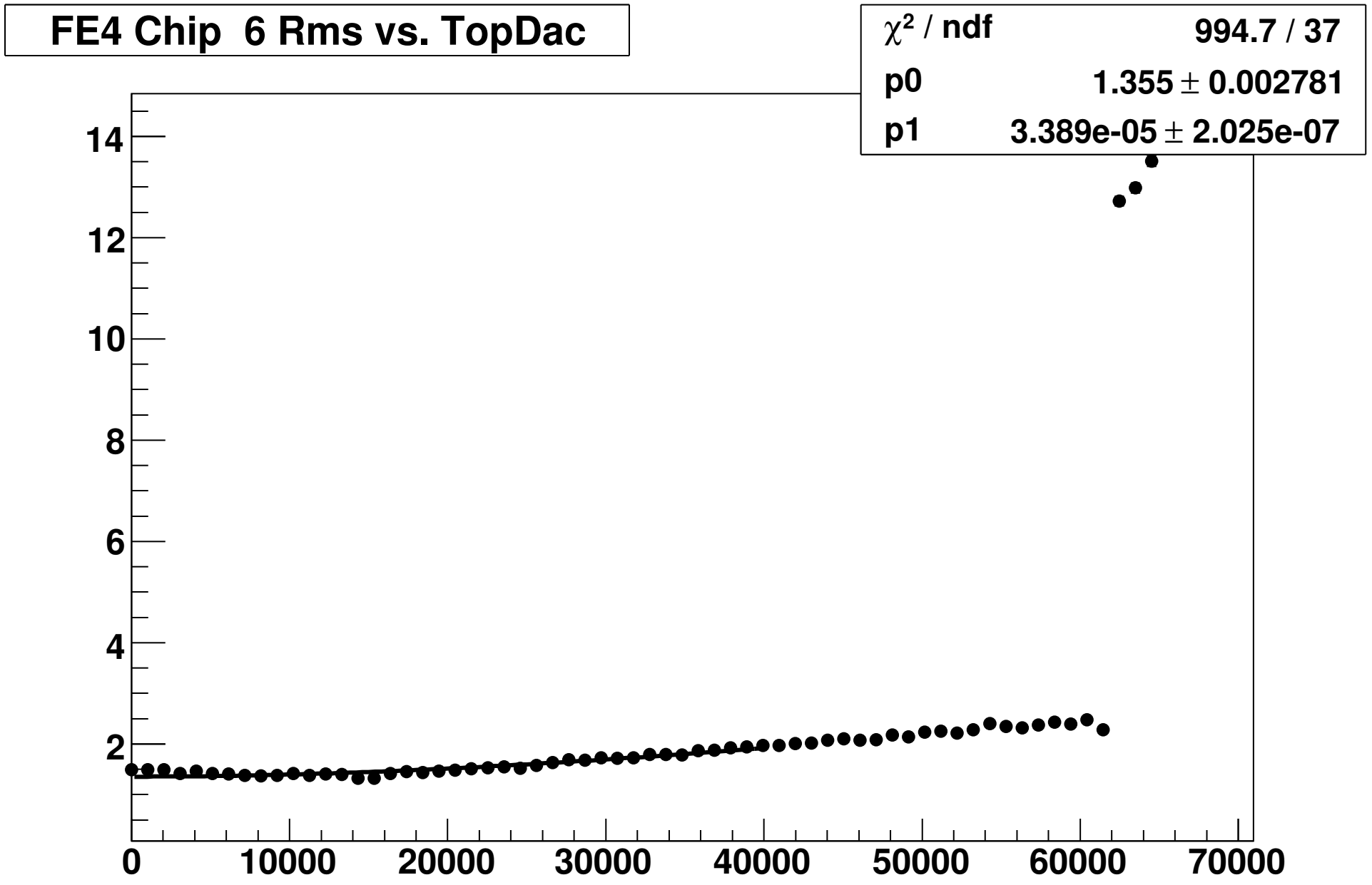

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 2186 / 37
p0 -18.42 ± 0.005097
p1 -9.335e-06 ± 2.174e-07
-18
-18.1
-18.2
-18.3
-18.4
-18.5
-18.6
-18.7
-18.8
0
10000
20000
30000
40000
50000
60000
70000

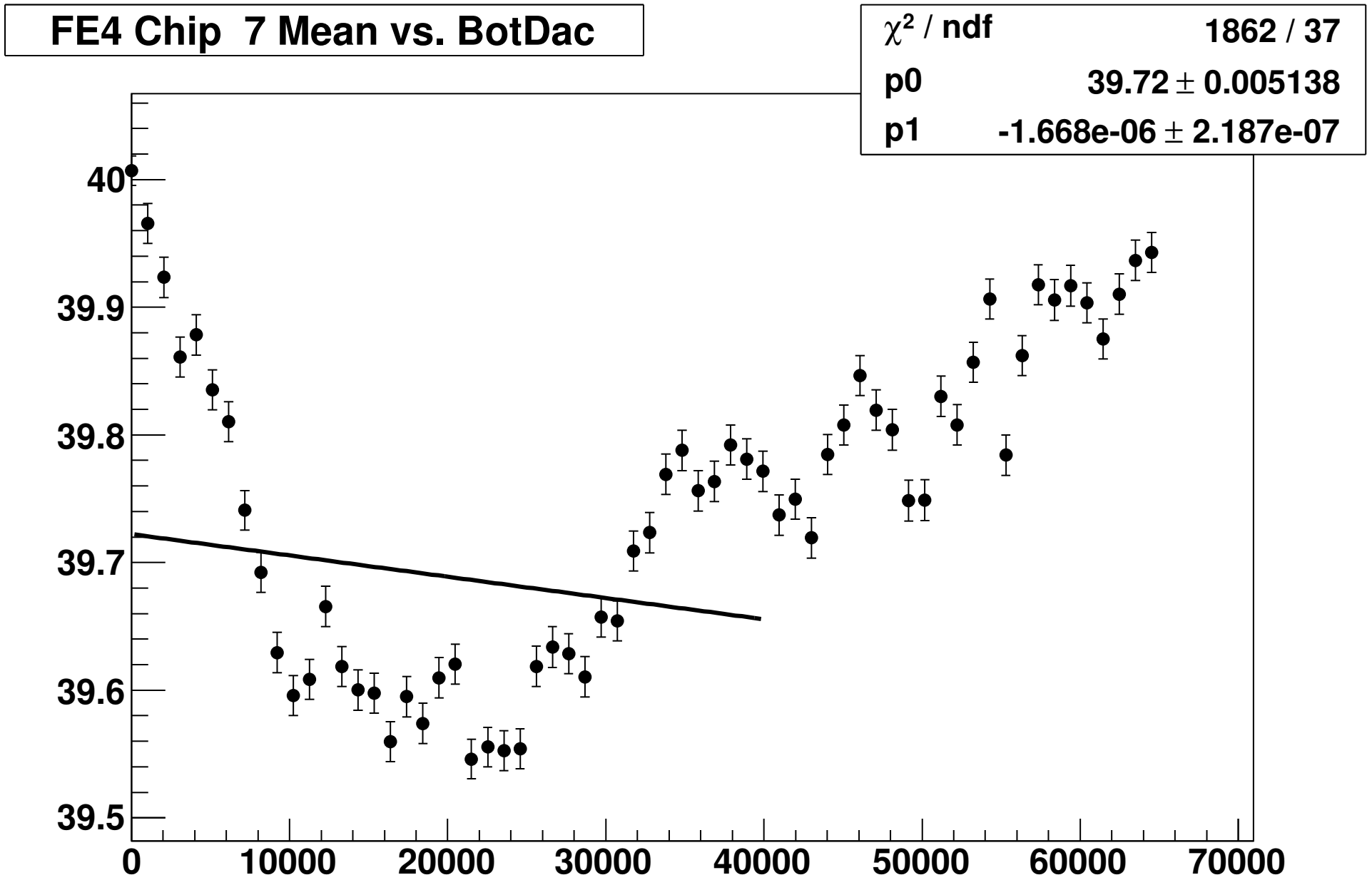

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 47.85 / 37
p0 1.473 ± 0.002688
p1 4.748e-06 ± 1.141e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

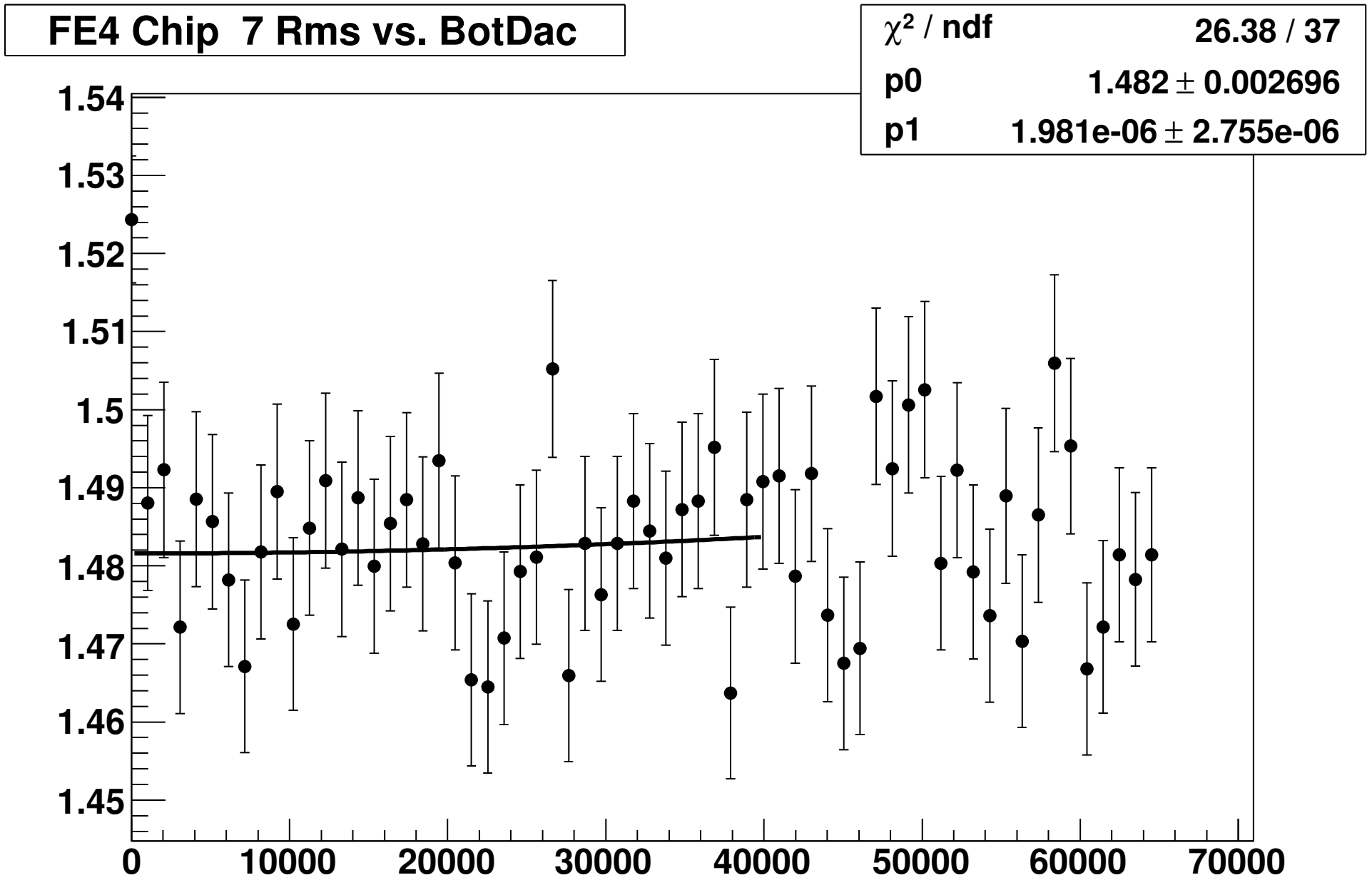

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 1941 / 37
p0 35.94 ± 0.005076
p1 -2.115e-06 ± 2.165e-07
36.2
36.1
36
35.9
35.8
35.7
0
10000
20000
30000
40000
50000
60000
70000

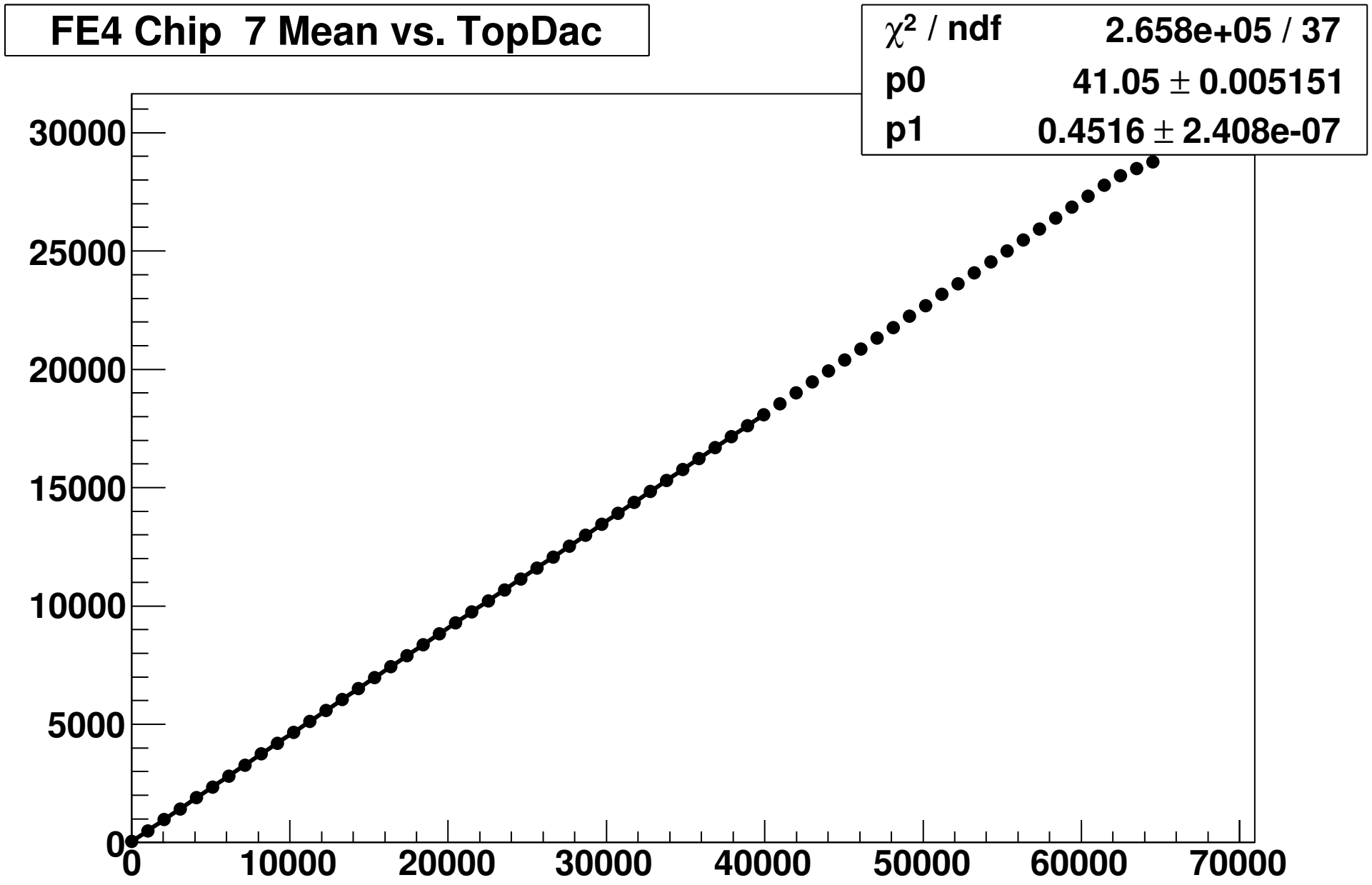

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 28.94 / 37
p0 1.464 ± 0.002674
p1 4.687e-06 ± 1.142e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

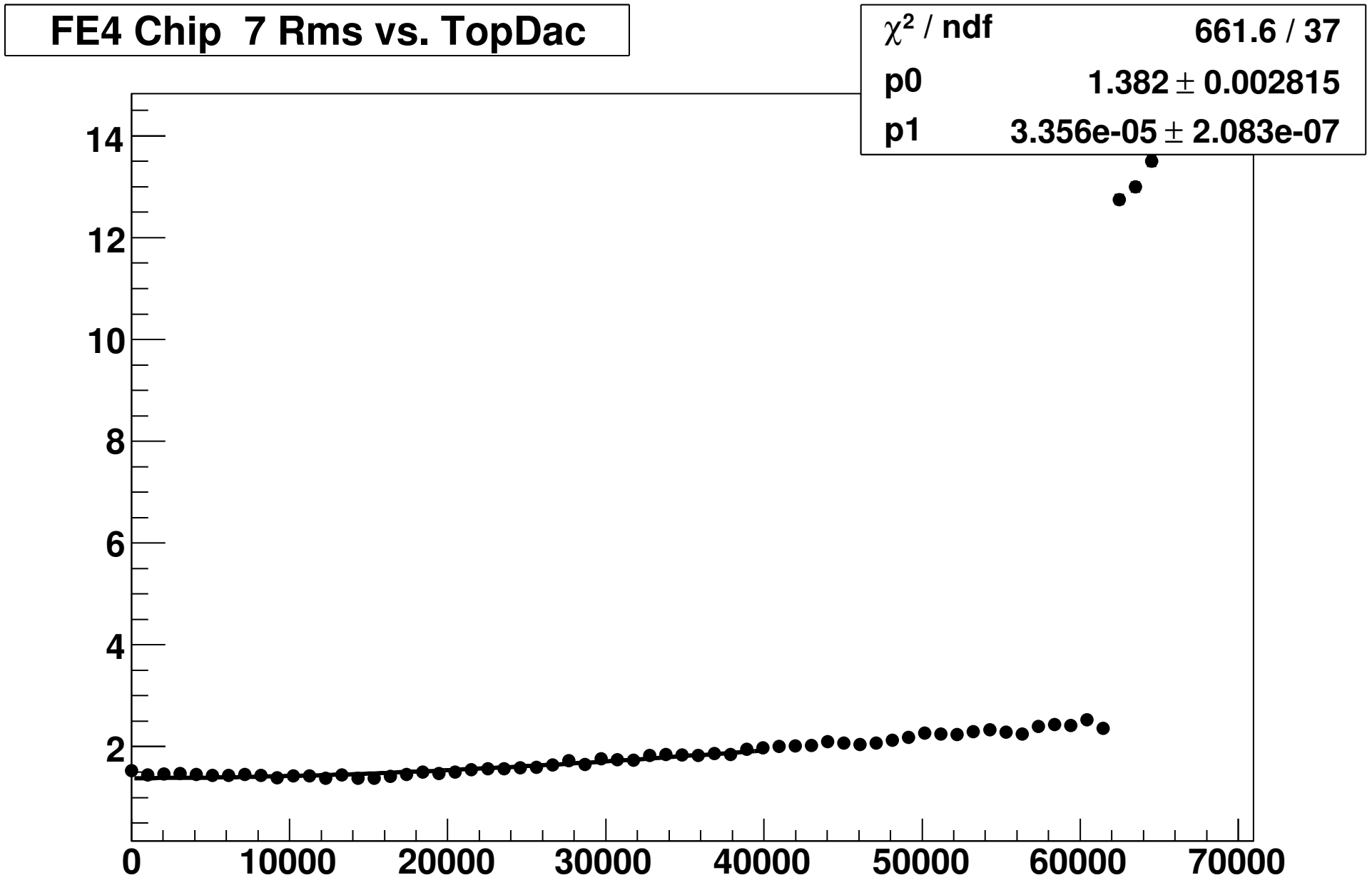

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 2.756e+05 / 37
p0 37.38 ± 0.005102
p1 0.4516 ± 2.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

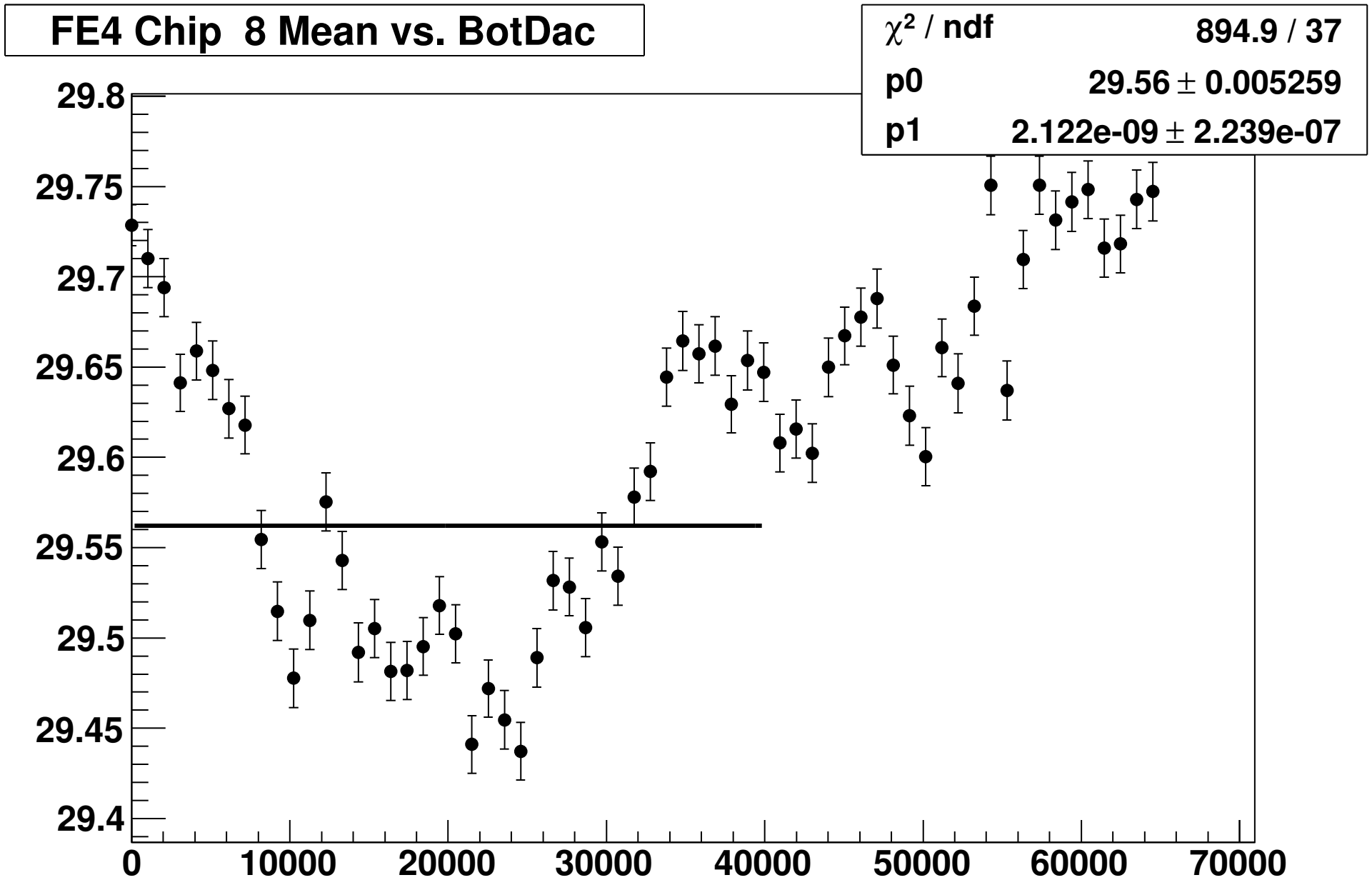

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 994.7 / 37
p0 1.355 ± 0.002781
p1 3.389e-05 ± 2.025e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

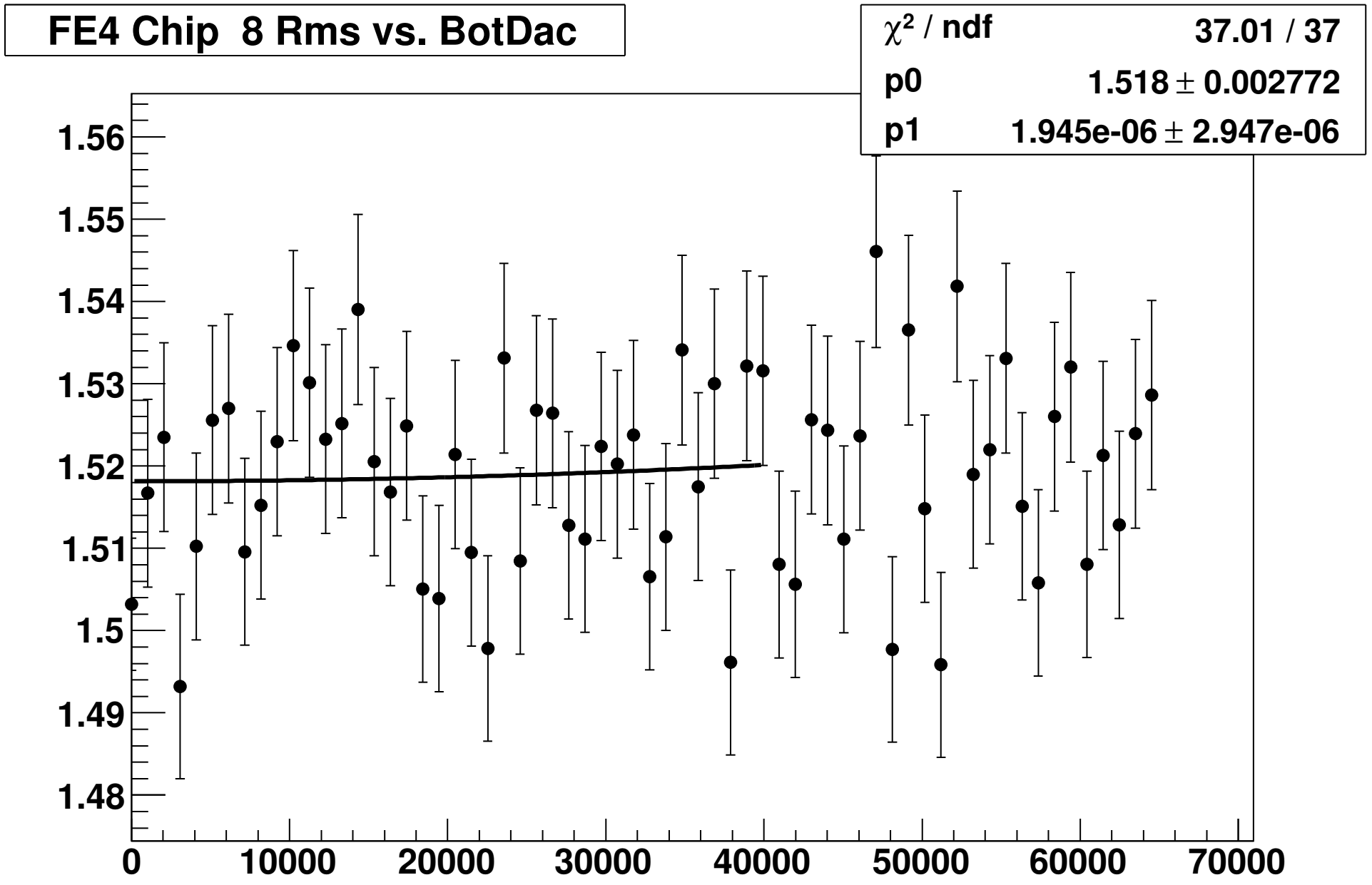

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 1862 / 37
p0 39.72 ± 0.005138
p1 -1.668e-06 ± 2.187e-07
40
39.9
39.8
39.7
39.6
39.5
0
10000
20000
30000
40000
50000
60000
70000

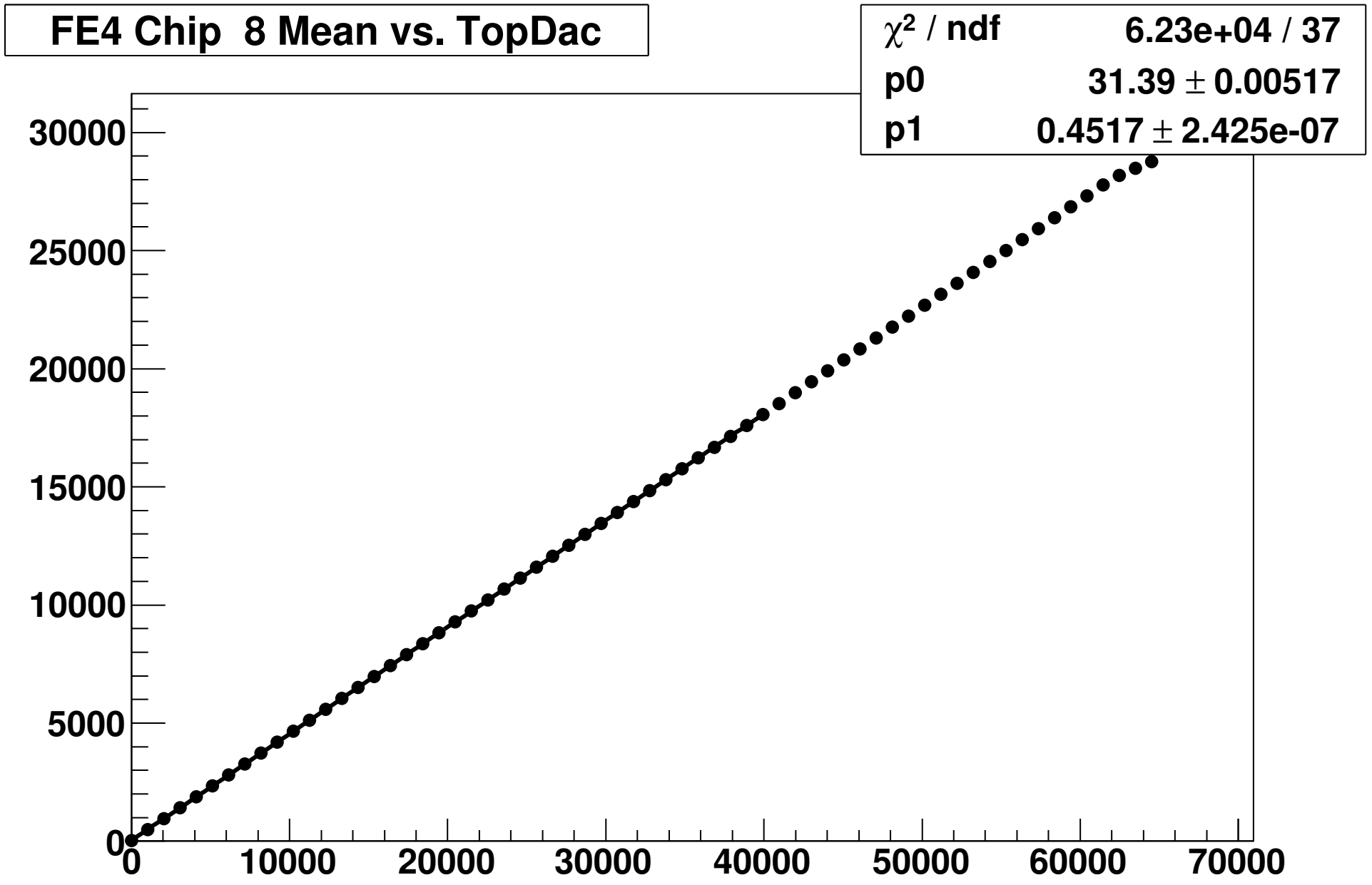

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 26.38 / 37
p0 1.482 ± 0.002696
p1 1.981e-06 ± 2.755e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

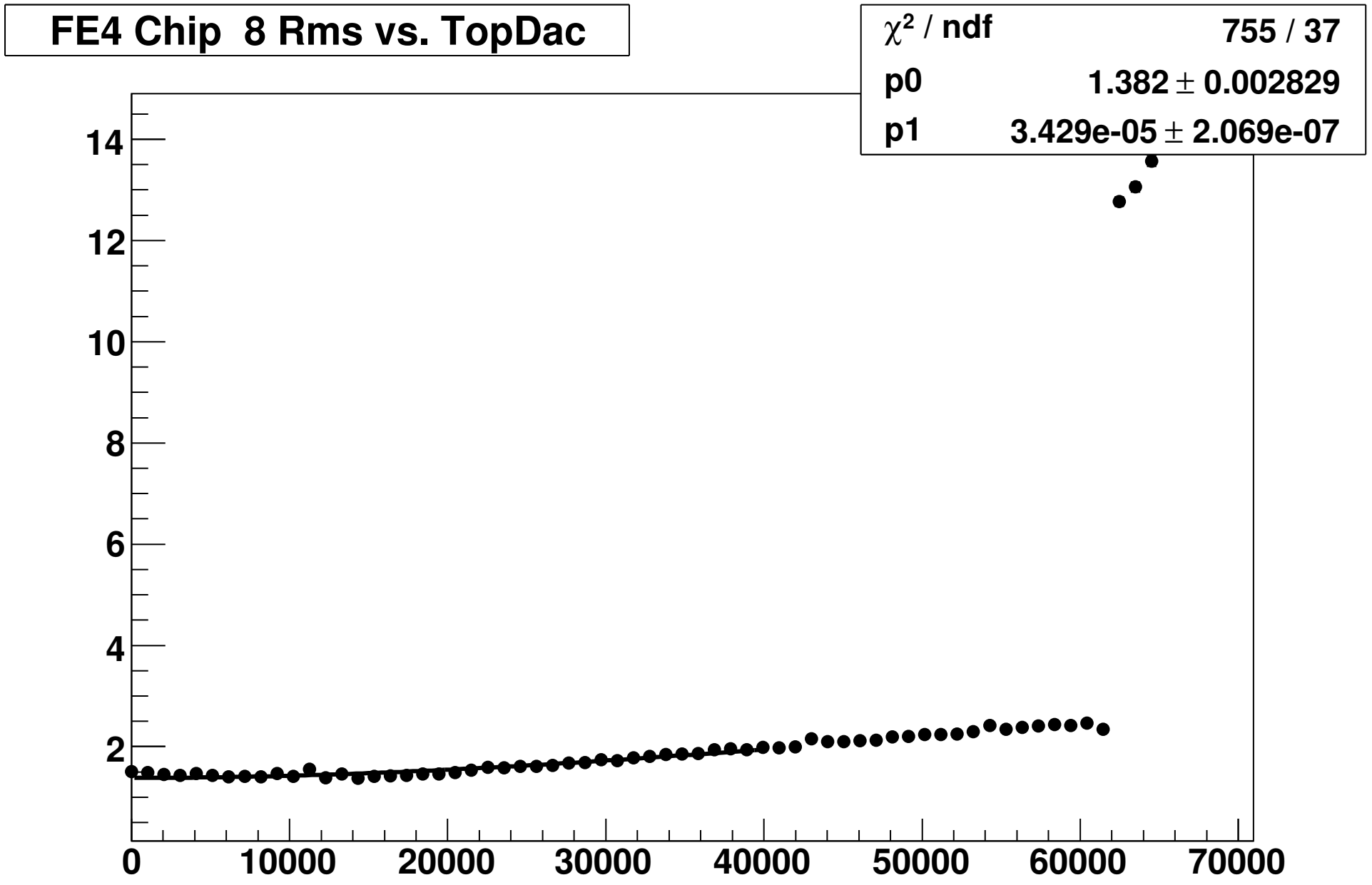

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 2.658e+05 / 37
p0 41.05 ± 0.005151
p1 0.4516 ± 2.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

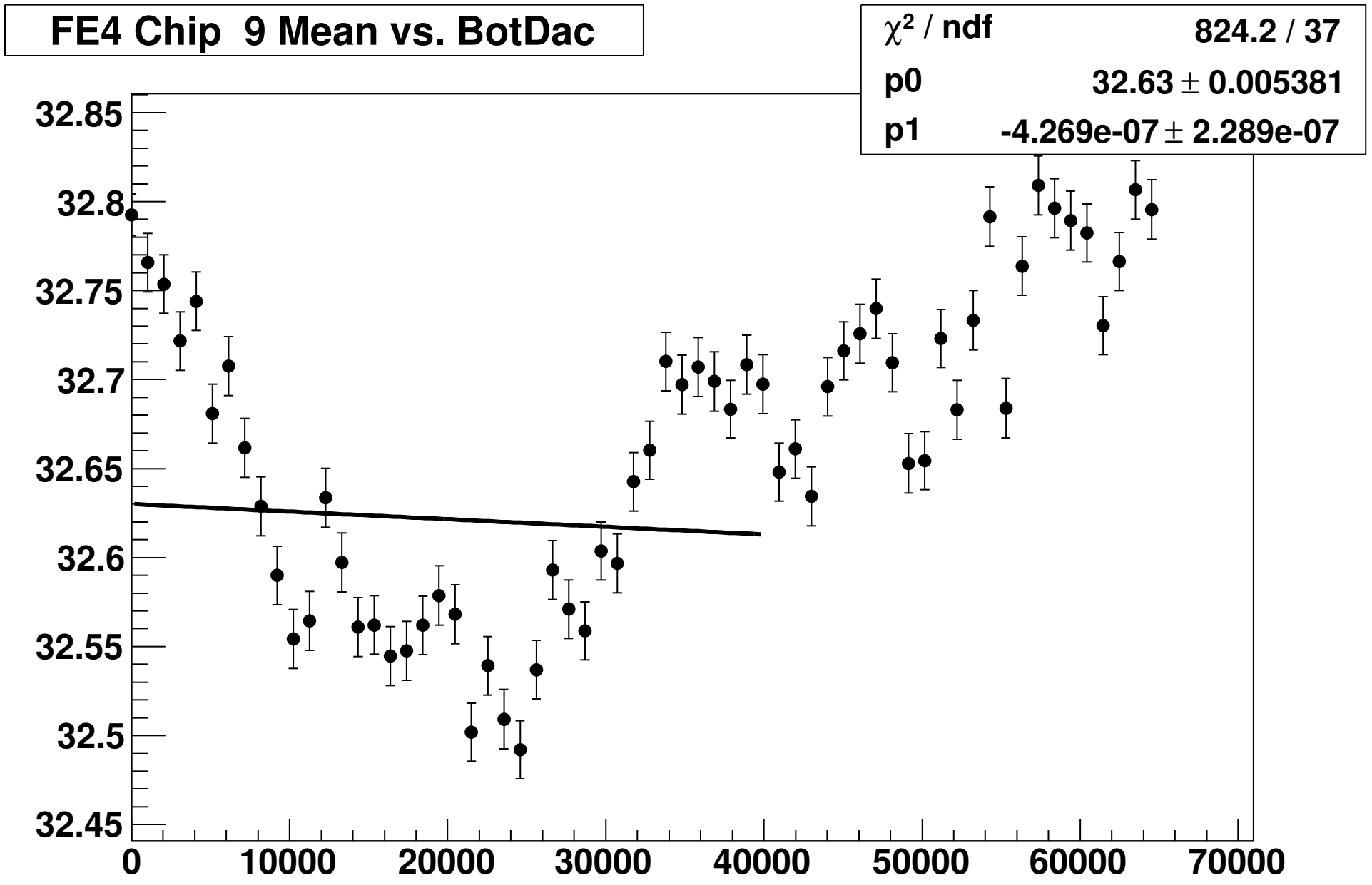

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 661.6 / 37
p0 1.382 ± 0.002815
p1 3.356e-05 ± 2.083e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

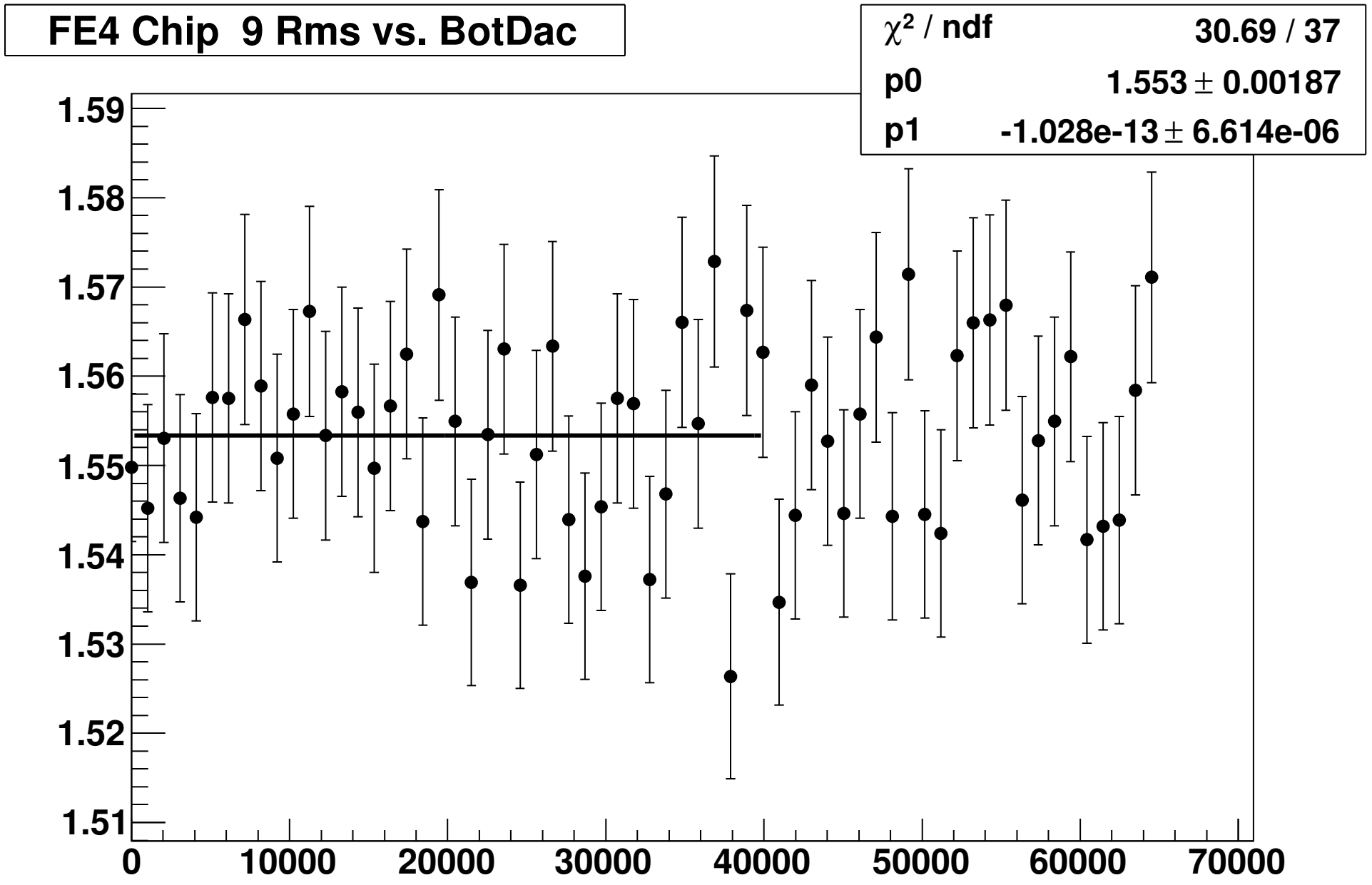

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 894.9 / 37
p0 29.56 ± 0.005259
p1 2.122e-09 ± 2.239e-07
29.8
29.75
29.7
29.65
29.6
29.55
29.5
29.45
29.4
0
10000
20000
30000
40000
50000
60000
70000

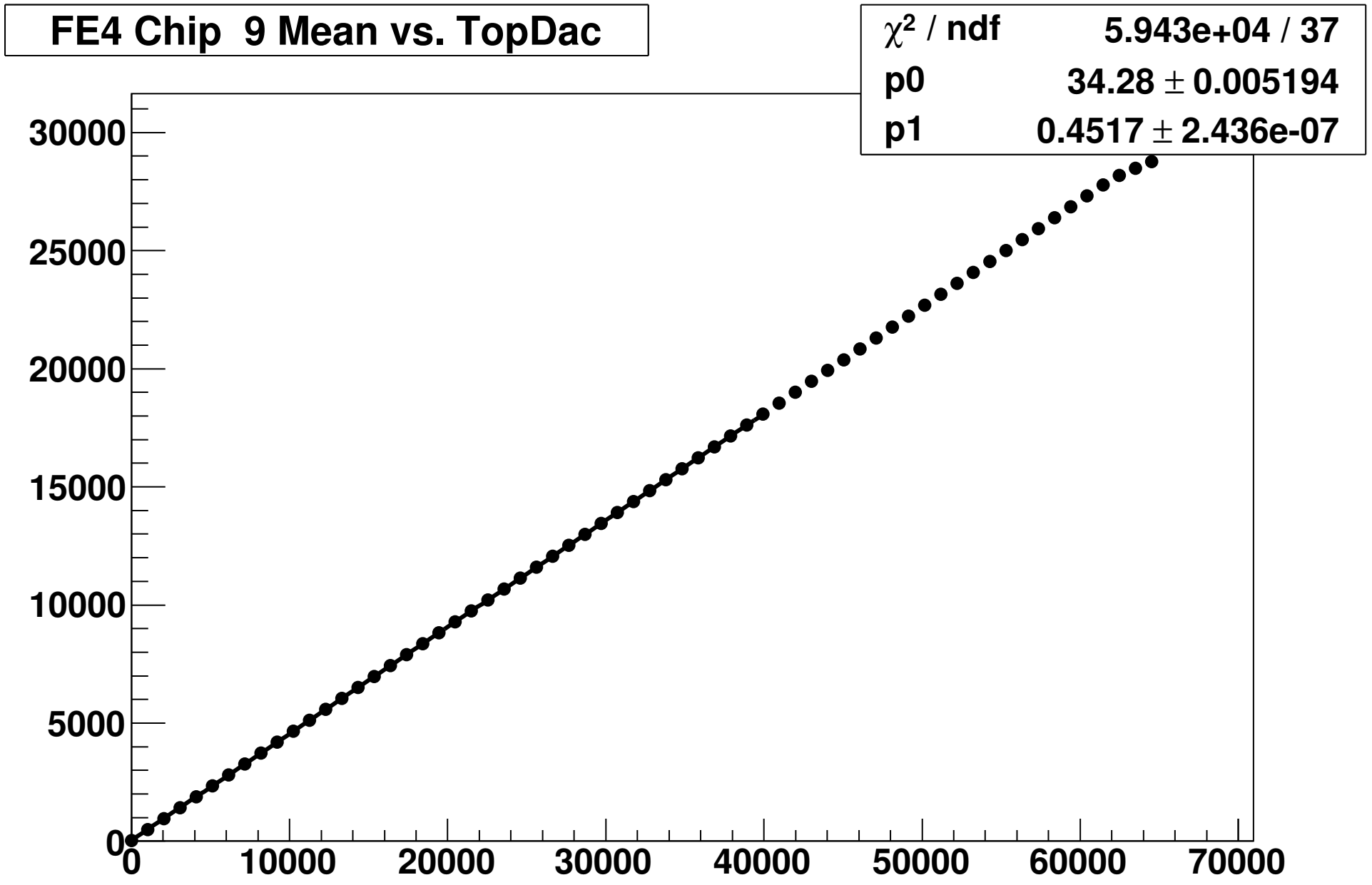

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 37.01 / 37
p0 1.518 ± 0.002772
p1 1.945e-06 ± 2.947e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

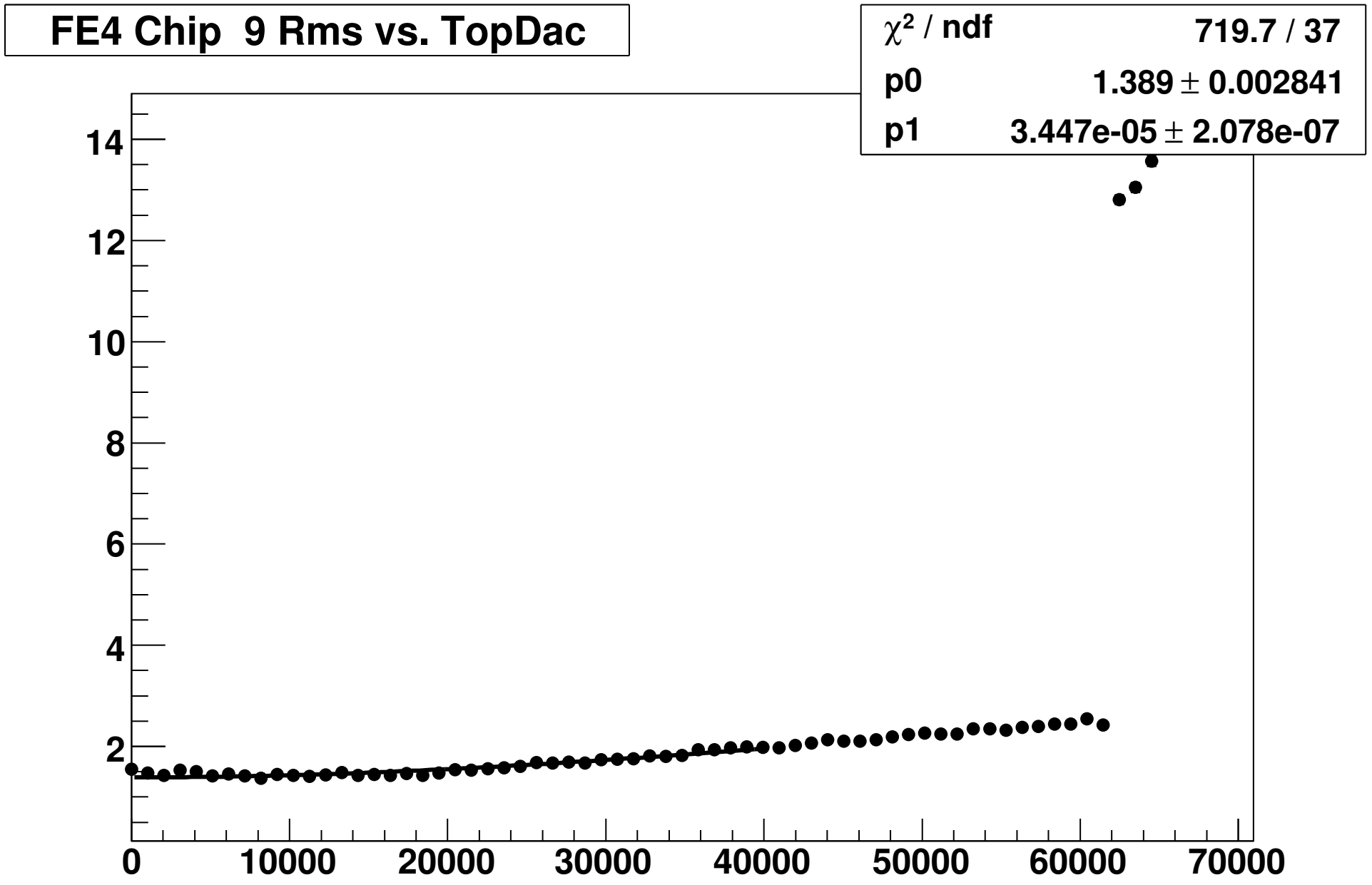

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 6.23e+04 / 37
p0 31.39 ± 0.00517
p1 0.4517 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

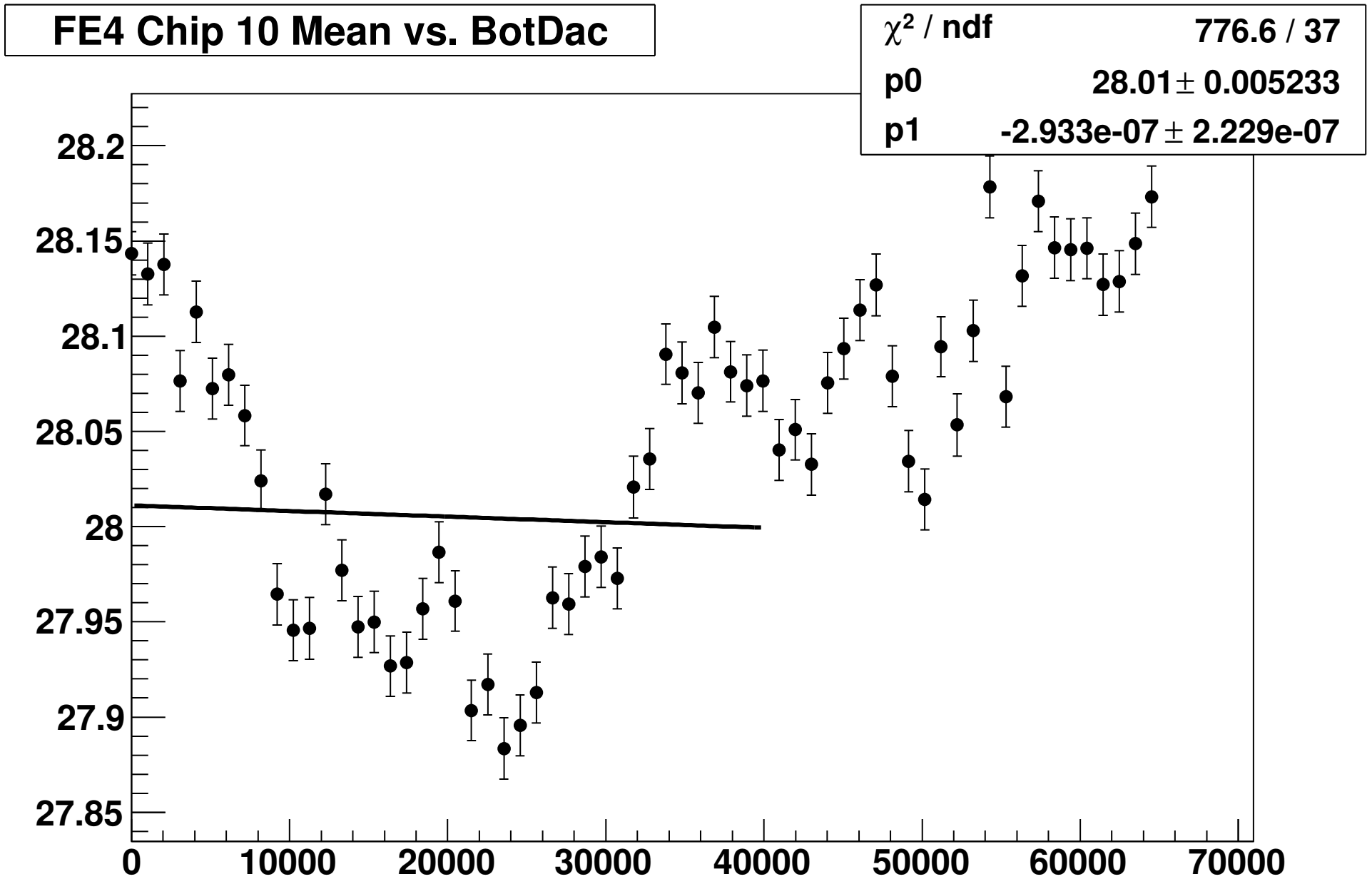

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 755 / 37
p0 1.382 ± 0.002829
p1 3.429e-05 ± 2.069e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

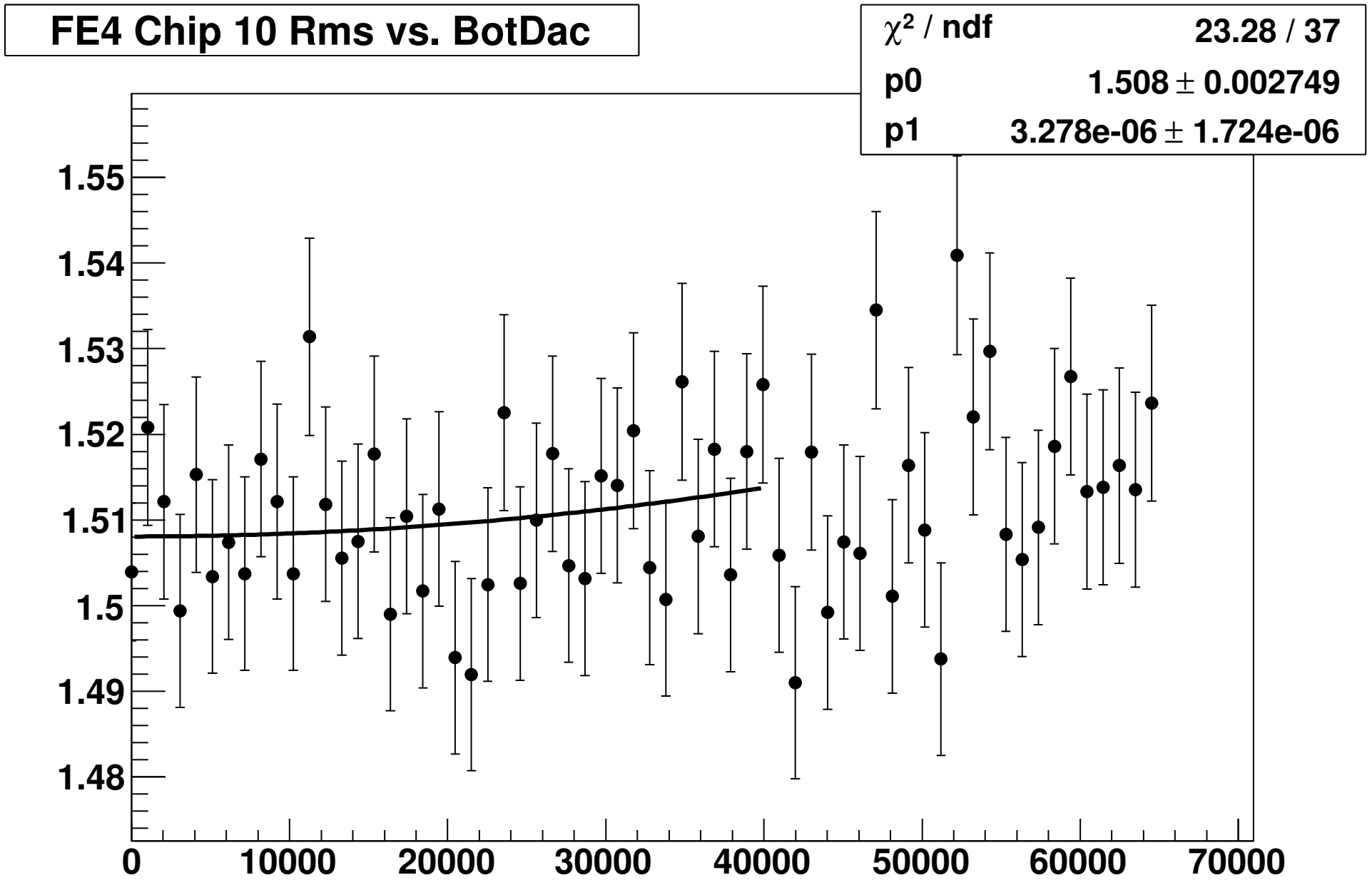

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 824.2 / 37
p0 32.63 ± 0.005381
p1 -4.269e-07 ± 2.289e-07
32.85
32.8
32.75
32.7
32.65
32.6
32.55
32.5
32.45
0
10000
20000
30000
40000
50000
60000
70000

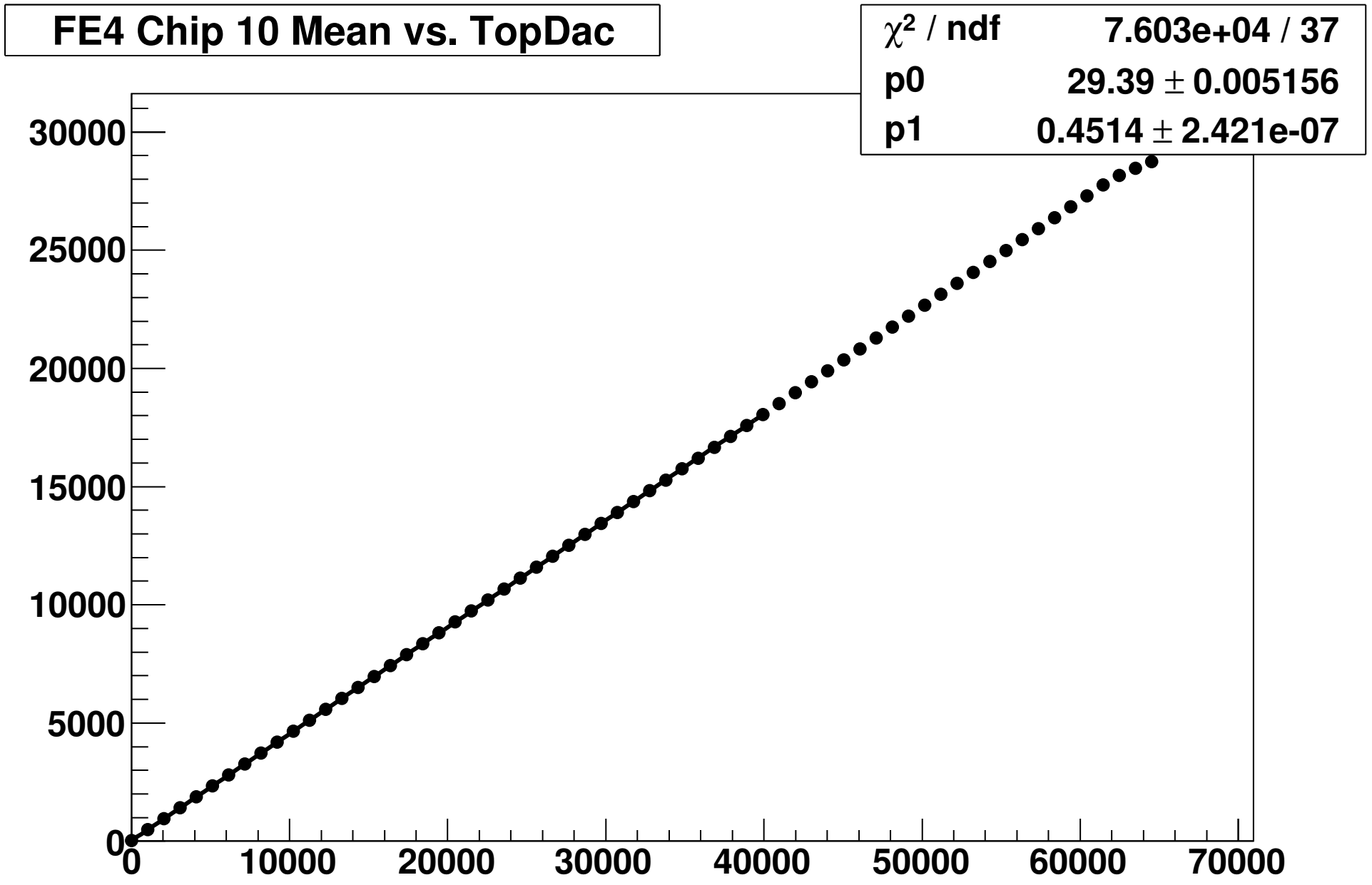

FE4 Chip 9 Rms vs. BotDac
χ² / ndf 30.69 / 37
p0 1.553 ± 0.00187
p1 -1.028e-13 ± 6.614e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000

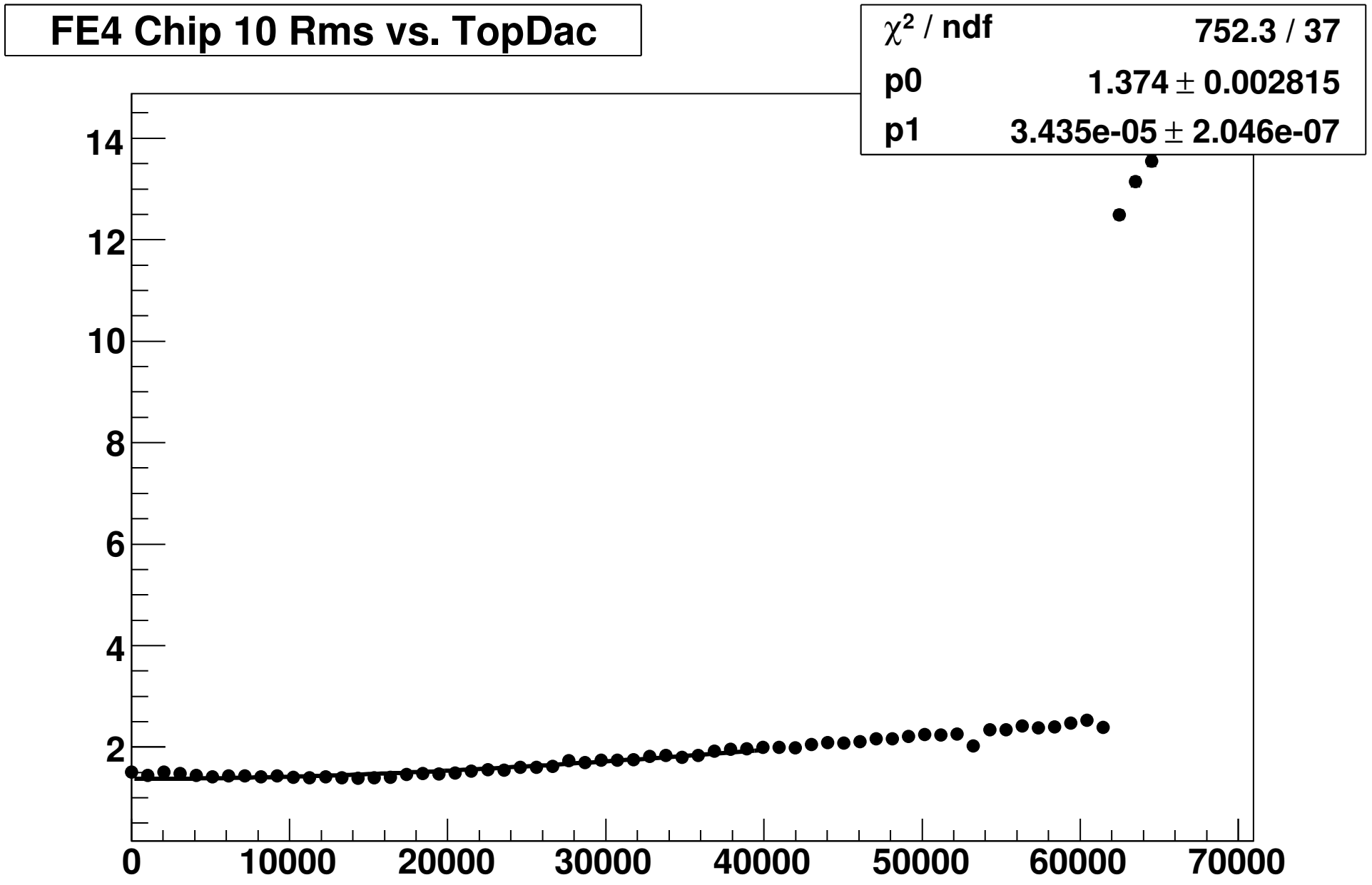

FE4 Chip 9 Mean vs. TopDac
χ² / ndf 5.943e+04 / 37
p0 34.28 ± 0.005194
p1 0.4517 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

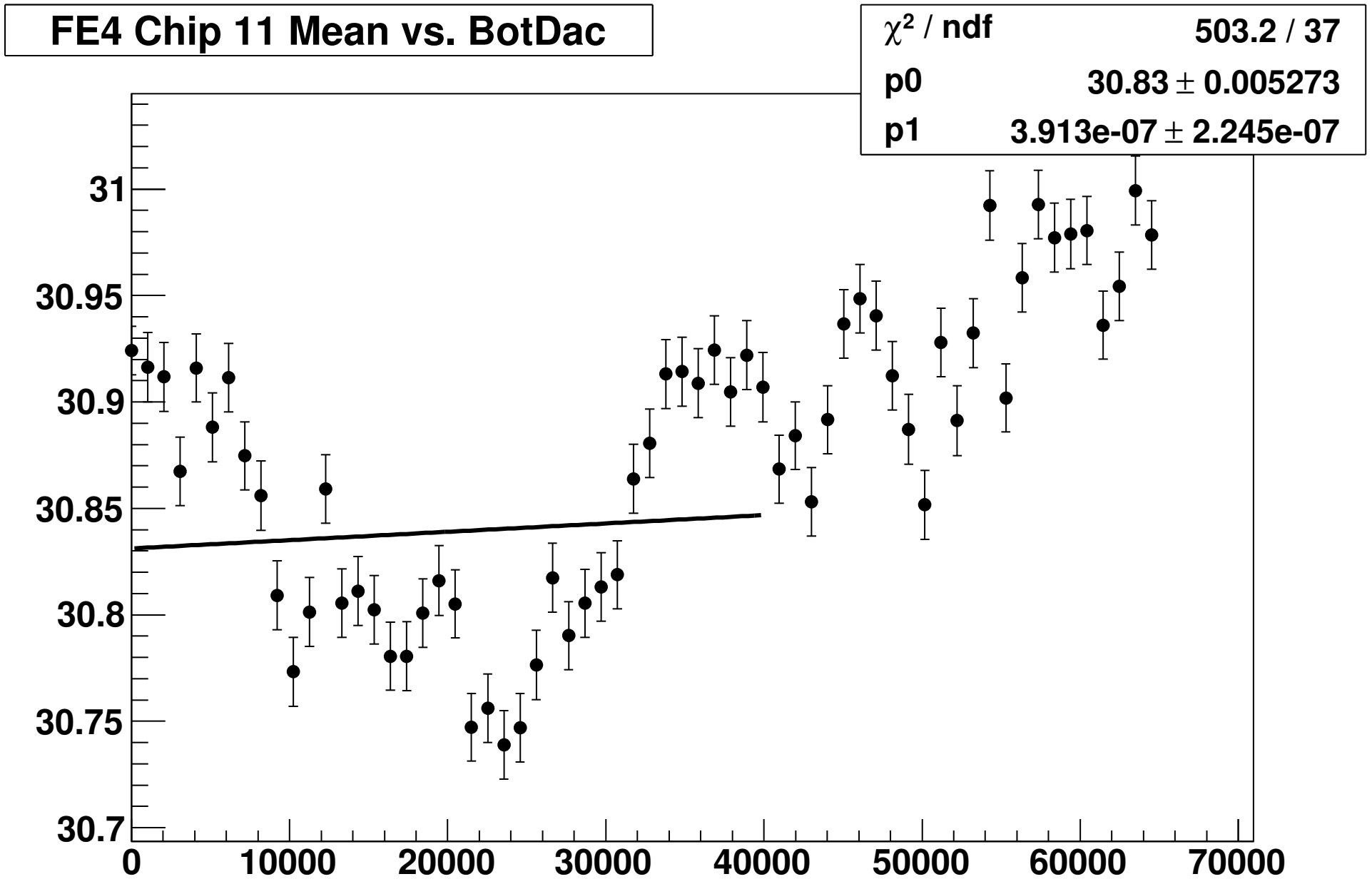

FE4 Chip 9 Rms vs. TopDac
χ² / ndf 719.7 / 37
p0 1.389 ± 0.002841
p1 3.447e-05 ± 2.078e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

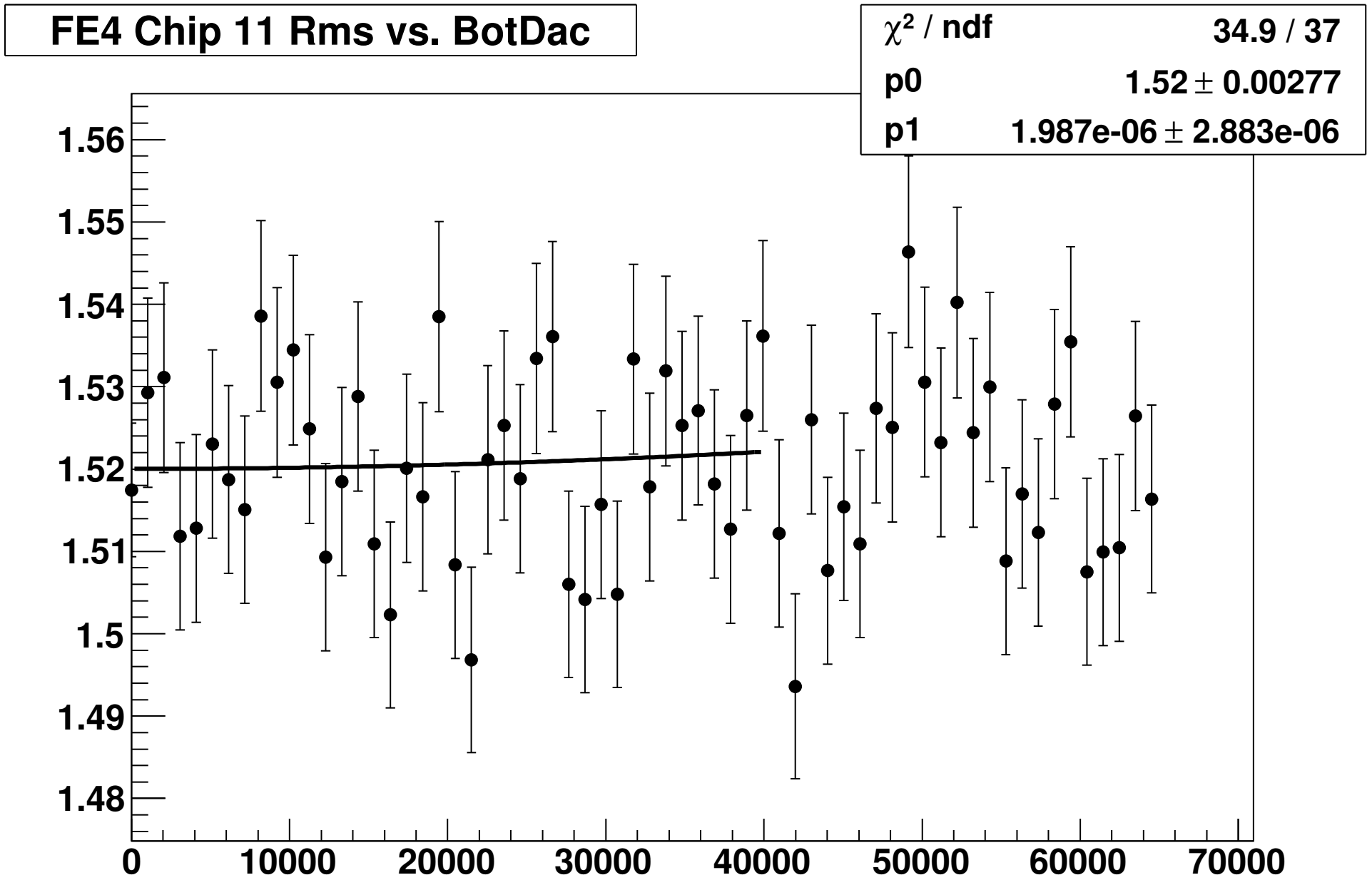

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 776.6 / 37
p0 28.01 ± 0.005233
p1 -2.933e-07 ± 2.229e-07
28.2
28.15
28.1
28.05
28
27.95
27.9
27.85
0
10000
20000
30000
40000
50000
60000
70000

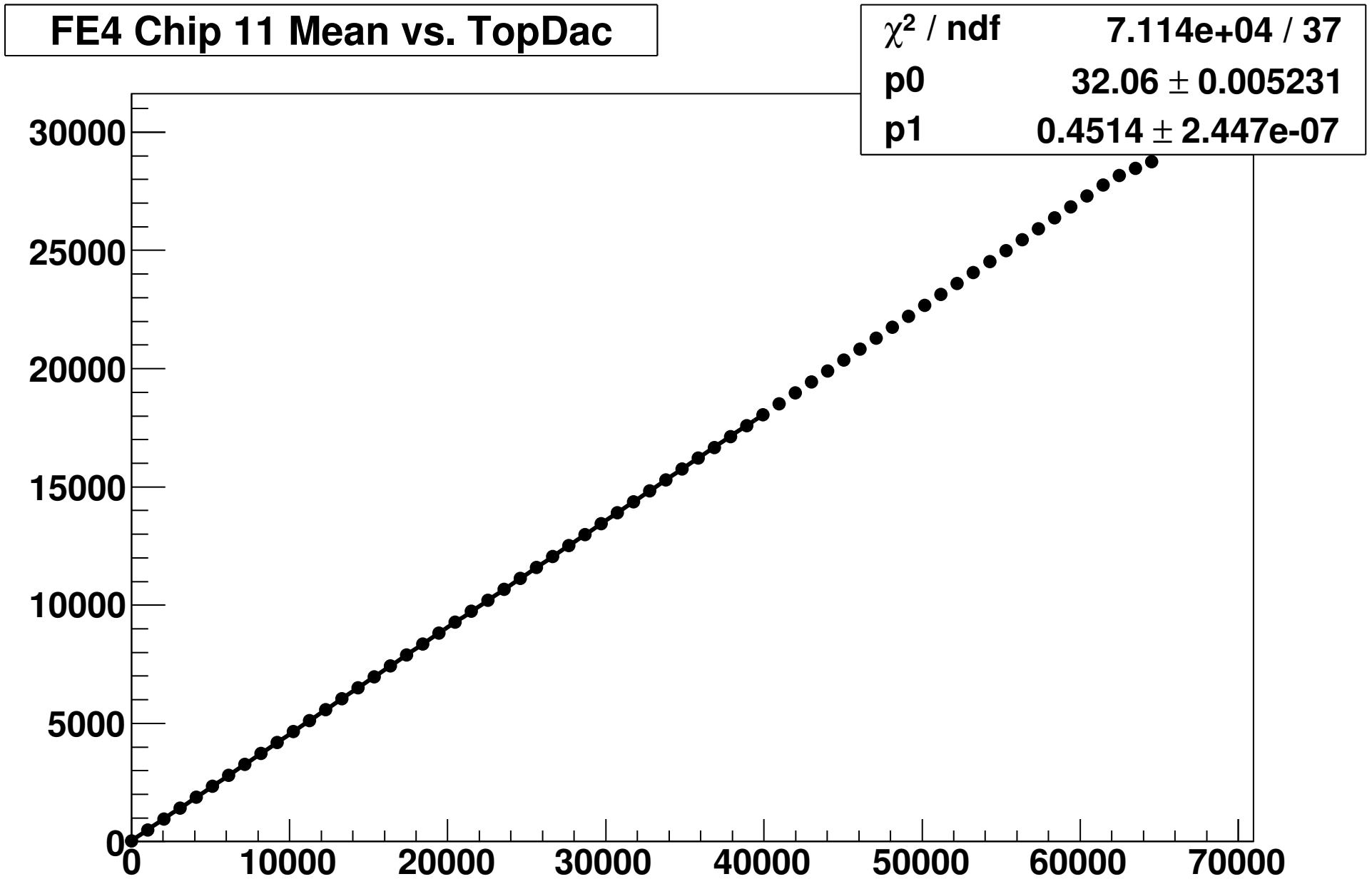

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 23.28 / 37
p0 1.508 ± 0.002749
p1 3.278e-06 ± 1.724e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

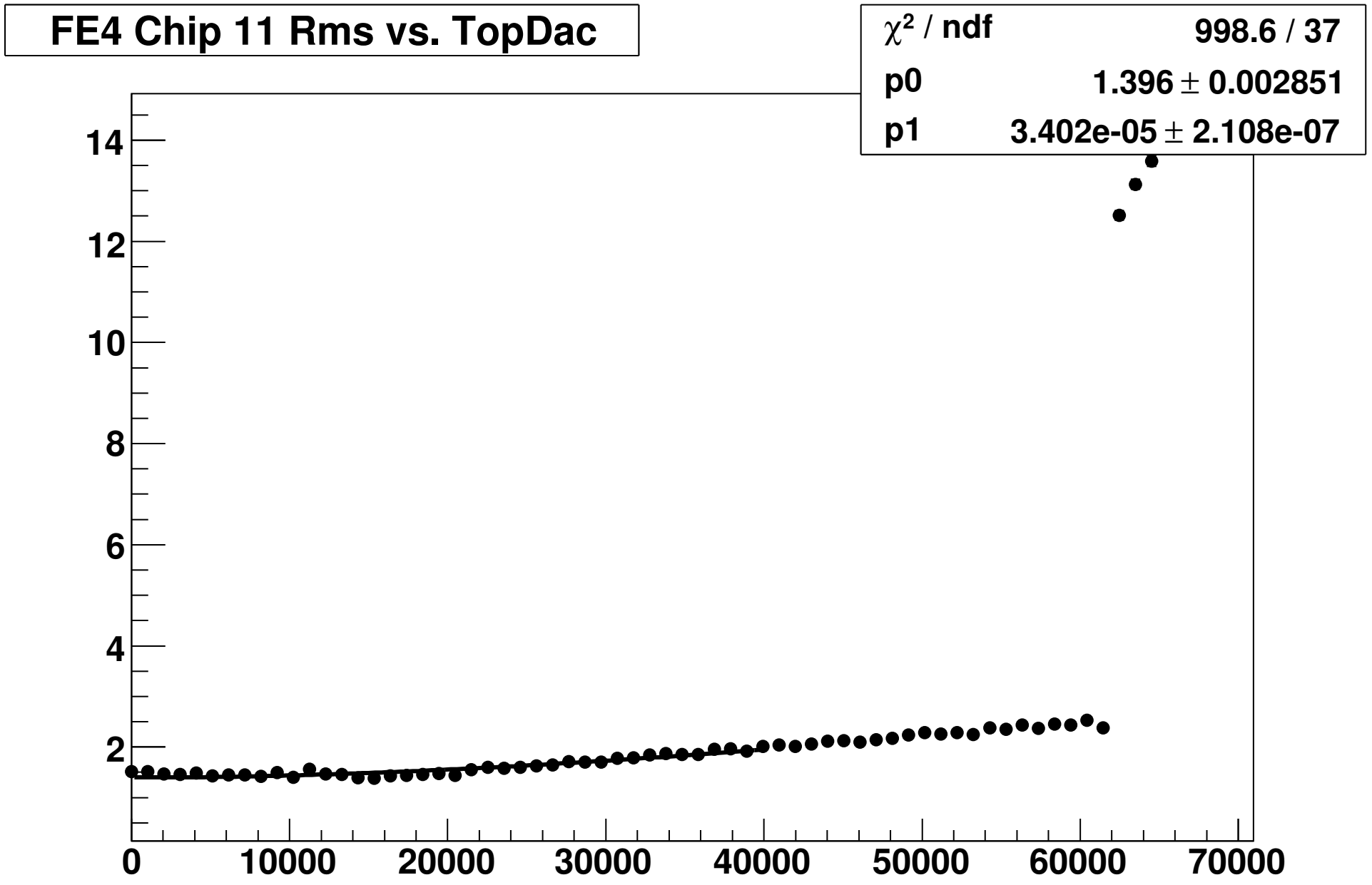

FE4 Chip 10 Mean vs. TopDac
χ² / ndf 7.603e+04 / 37
p0 29.39 ± 0.005156
p1 0.4514 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

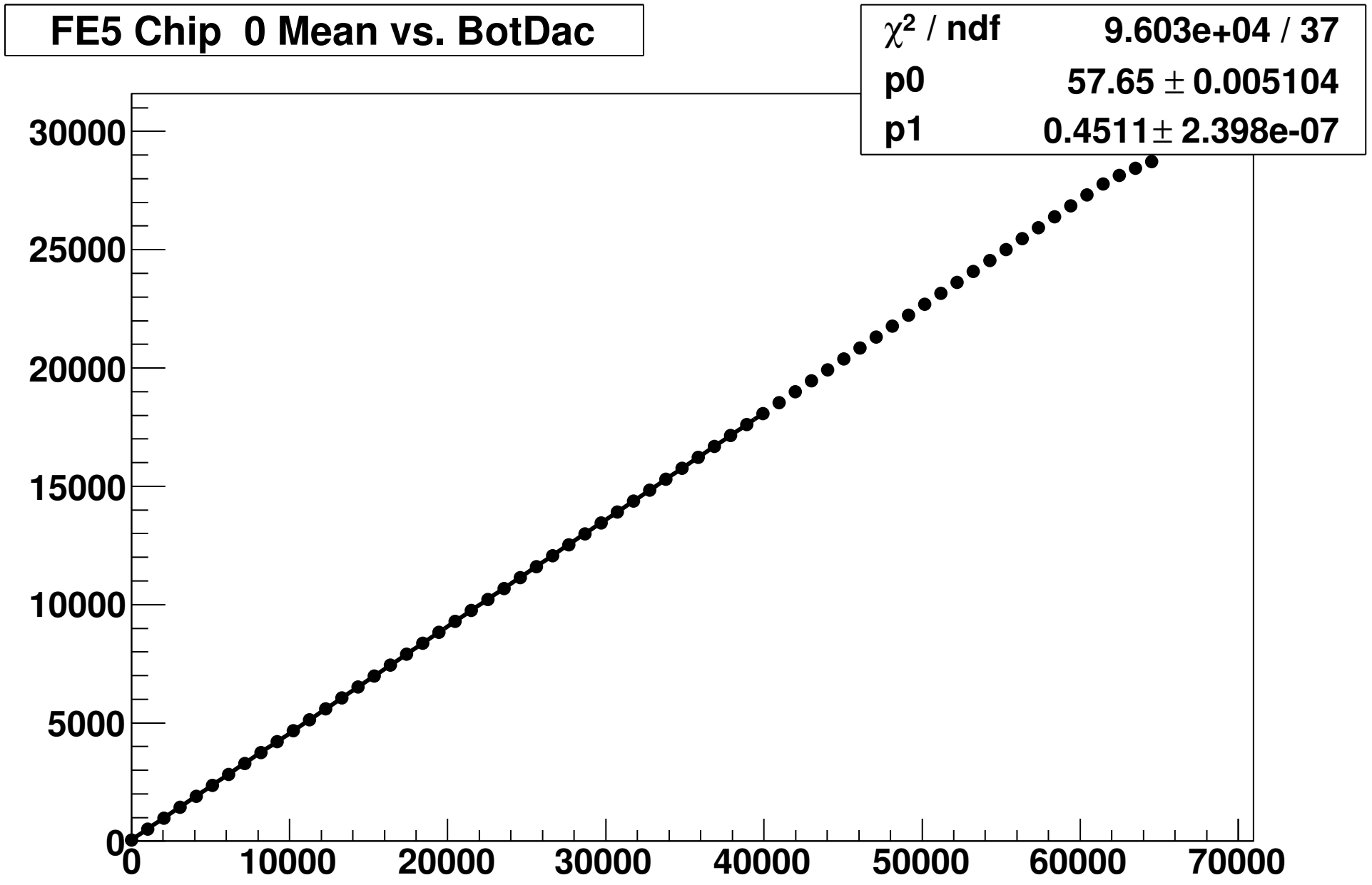

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 752.3 / 37
p0 1.374 ± 0.002815
p1 3.435e-05 ± 2.046e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

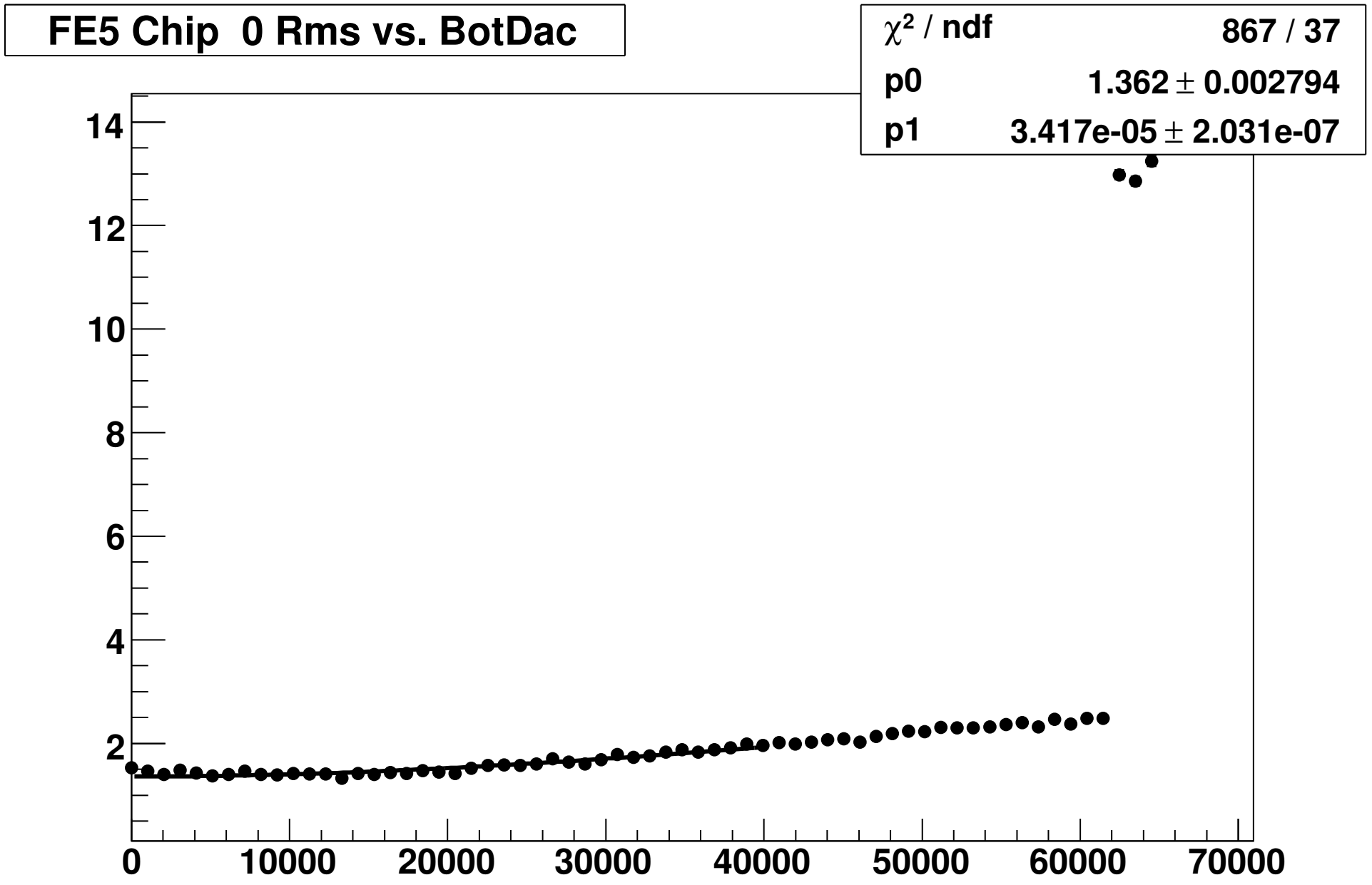

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 503.2 / 37
p0 30.83 ± 0.005273
p1 3.913e-07 ± 2.245e-07
31
30.95
30.9
30.85
30.8
30.75
30.7
0
10000
20000
30000
40000
50000
60000
70000

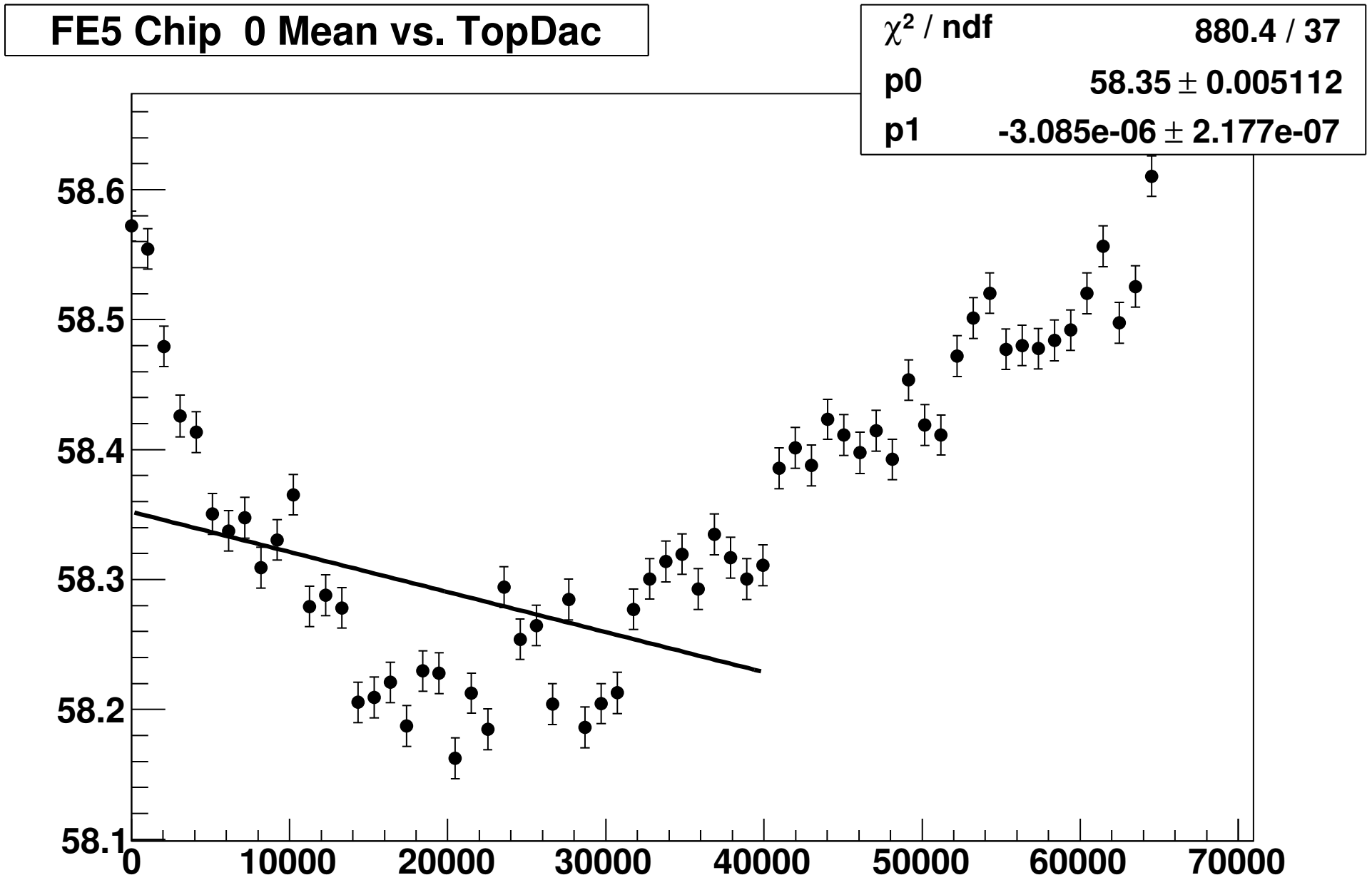

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 34.9 / 37
p0 1.52 ± 0.00277
p1 1.987e-06 ± 2.883e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

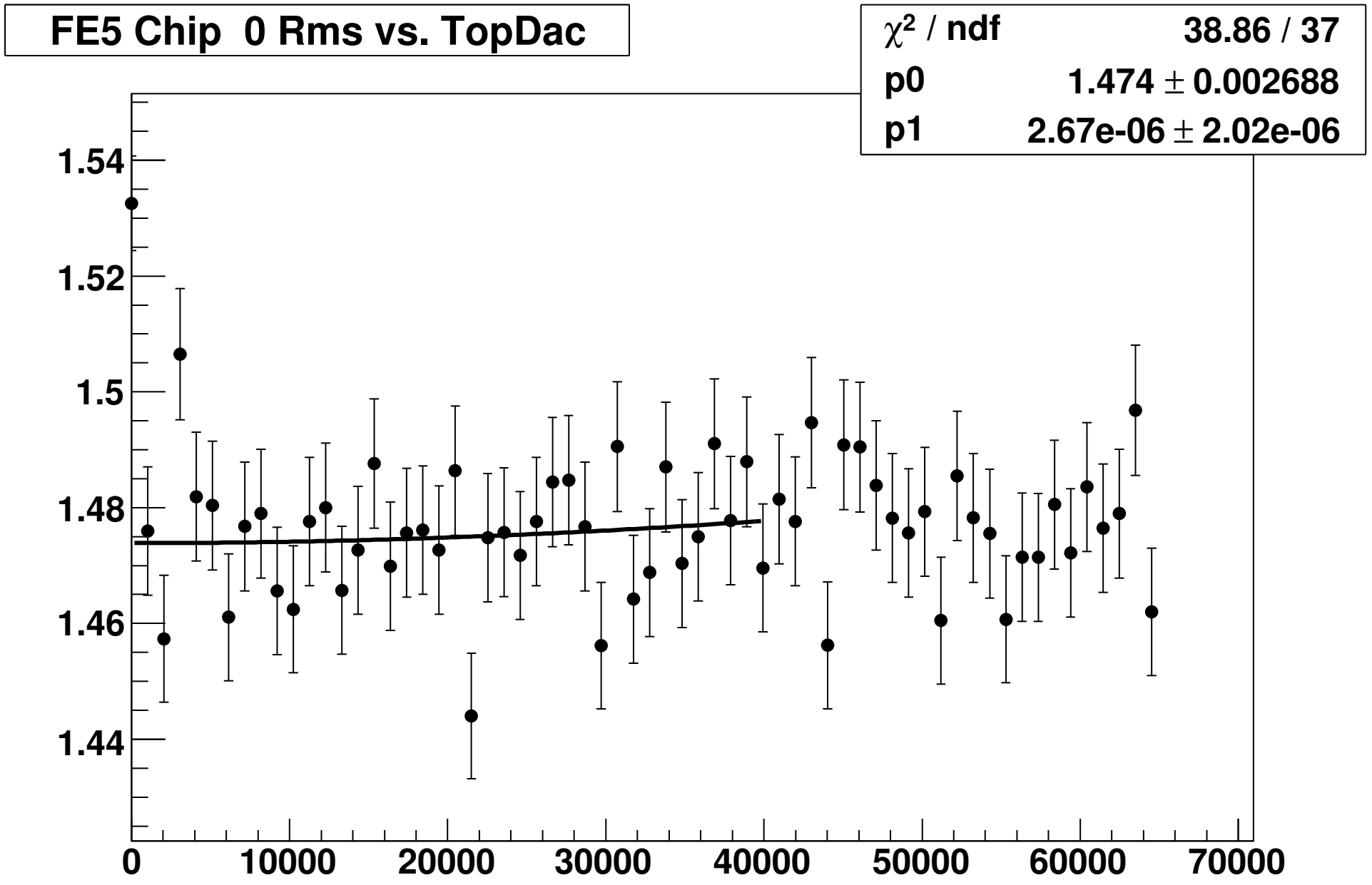

FE4 Chip 11 Mean vs. TopDac
χ² / ndf 7.114e+04 / 37
p0 32.06 ± 0.005231
p1 0.4514 ± 2.447e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

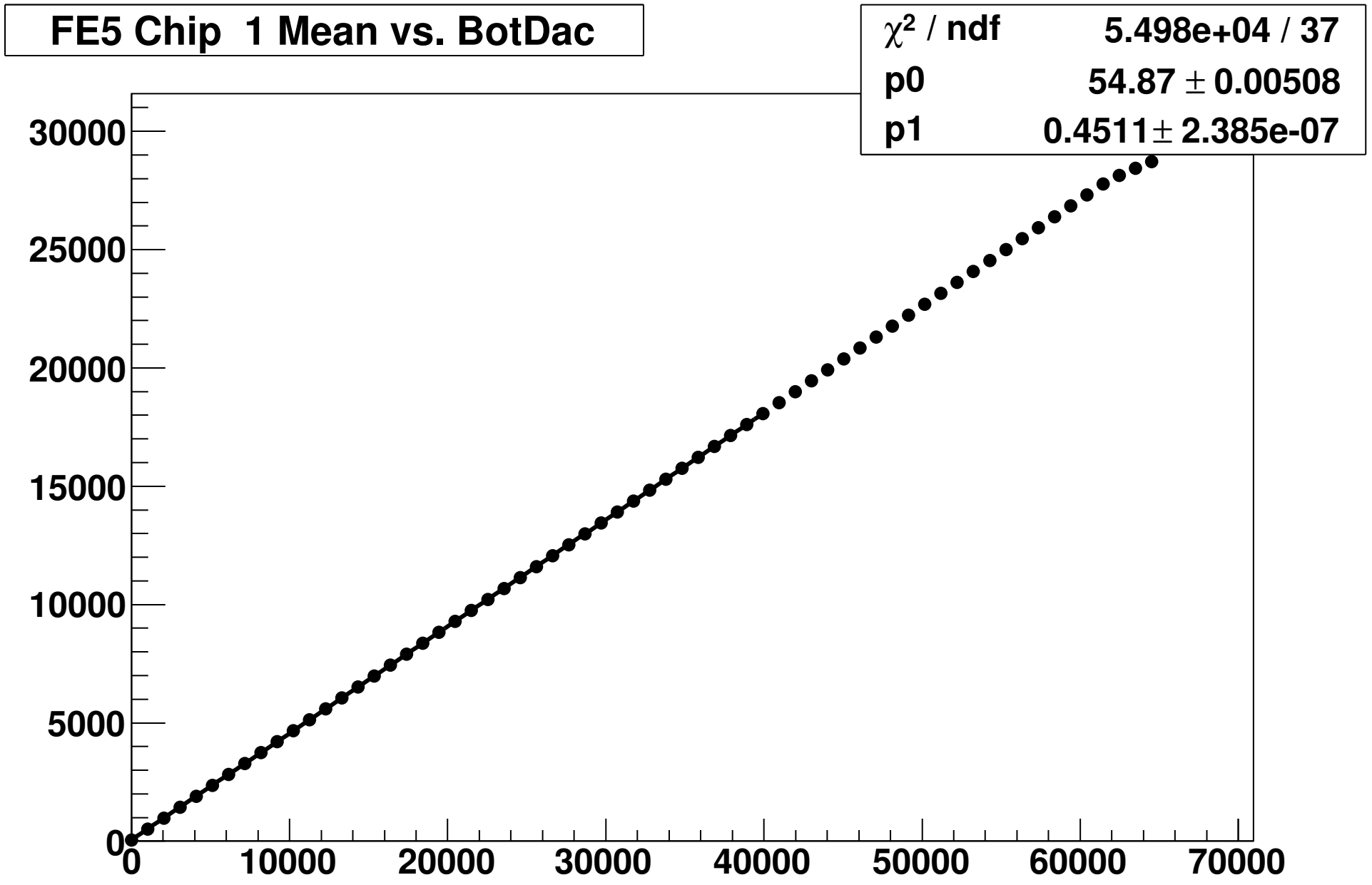

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 998.6 / 37
p0 1.396 ± 0.002851
p1 3.402e-05 ± 2.108e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

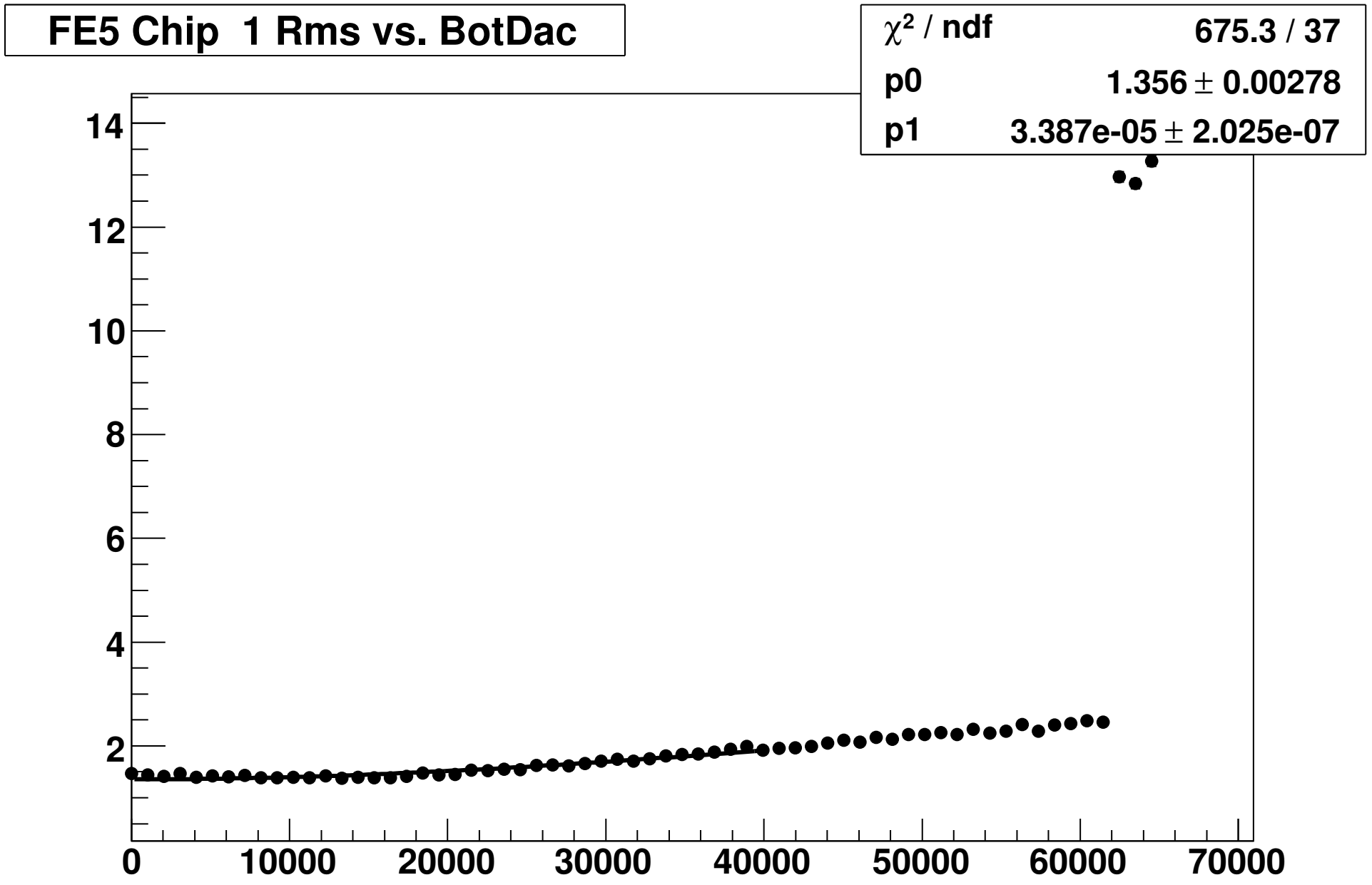

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 9.603e+04 / 37
p0 57.65 ± 0.005104
p1 0.4511 ± 2.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

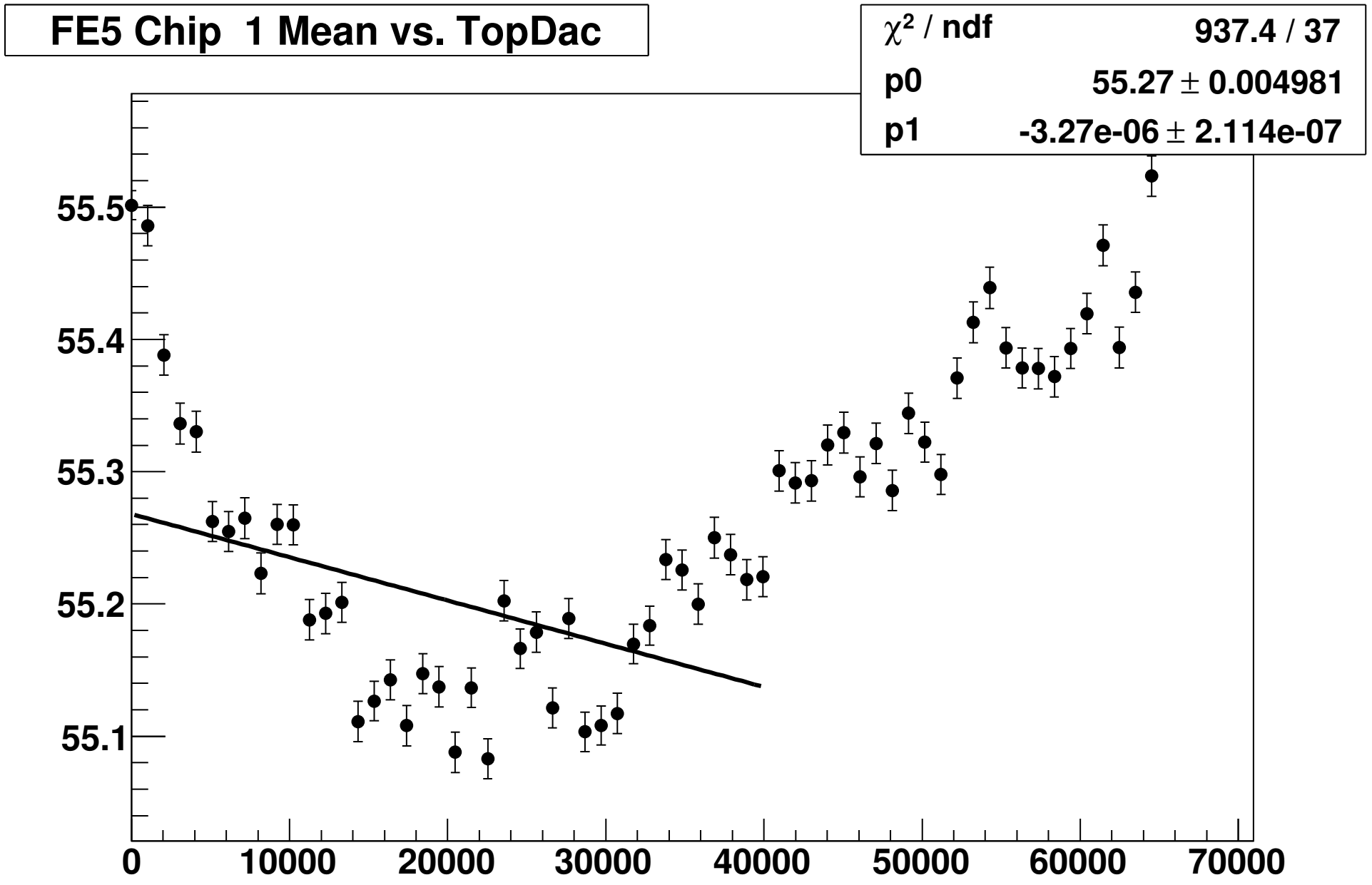

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 867 / 37
p0 1.362 ± 0.002794
p1 3.417e-05 ± 2.031e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

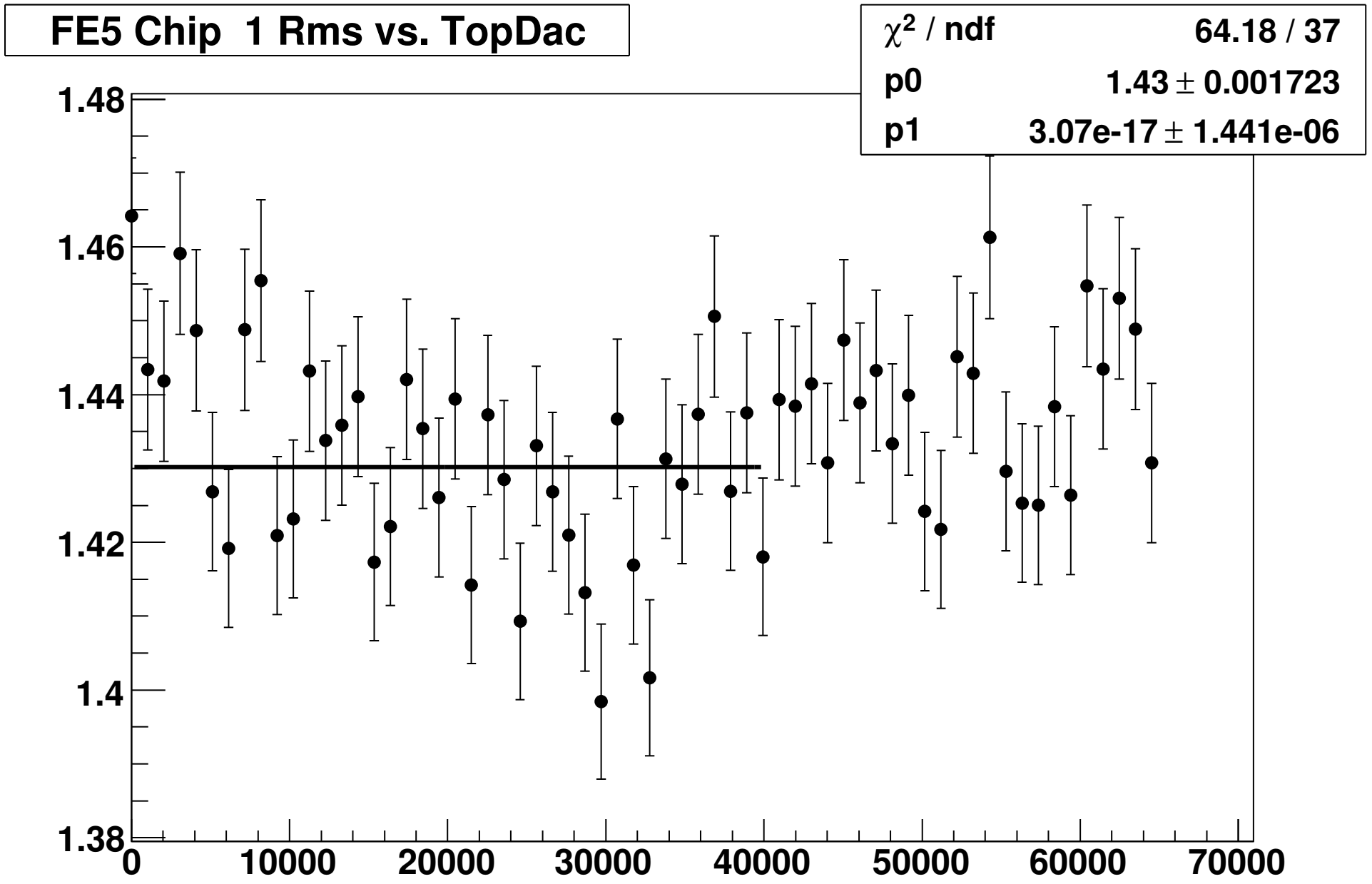

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 880.4 / 37
p0 58.35 ± 0.005112
p1 -3.085e-06 ± 2.177e-07
58.6
58.5
58.4
58.3
58.2
58.1
0
10000
20000
30000
40000
50000
60000
70000

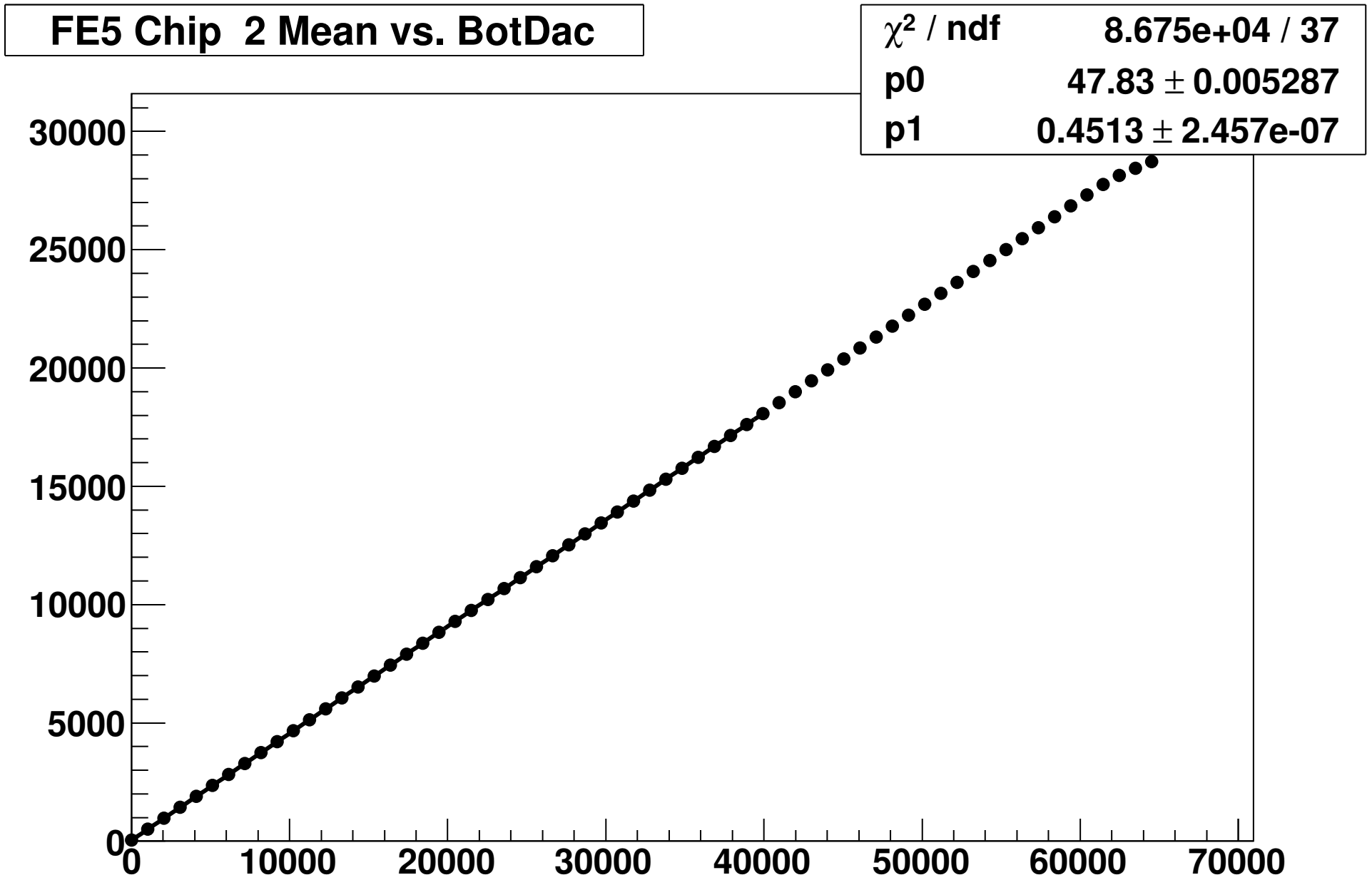

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 38.86 / 37
p0 1.474 ± 0.002688
p1 2.67e-06 ± 2.02e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

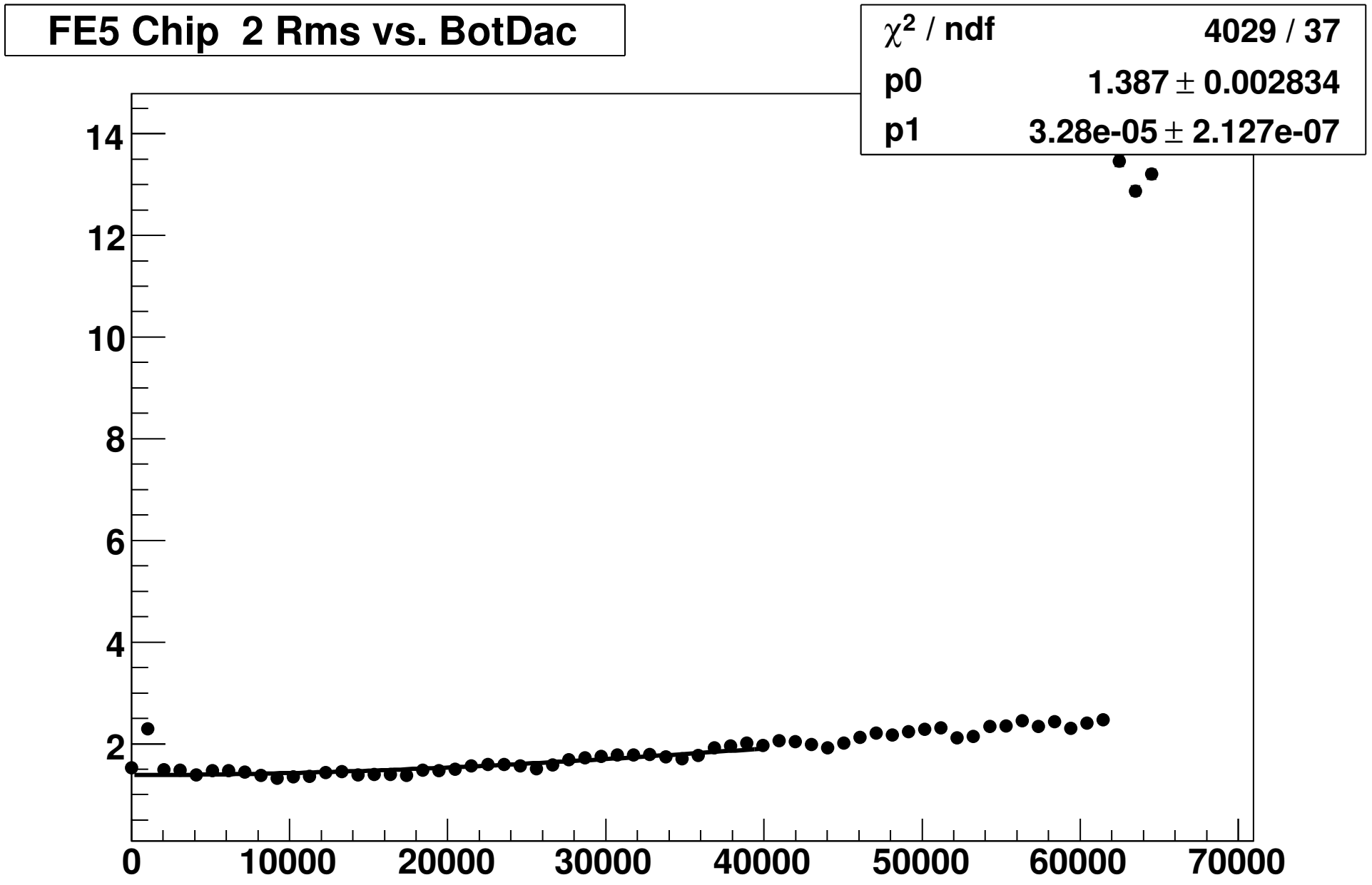

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 5.498e+04 / 37
p0 54.87 ± 0.00508
p1 0.4511 ± 2.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

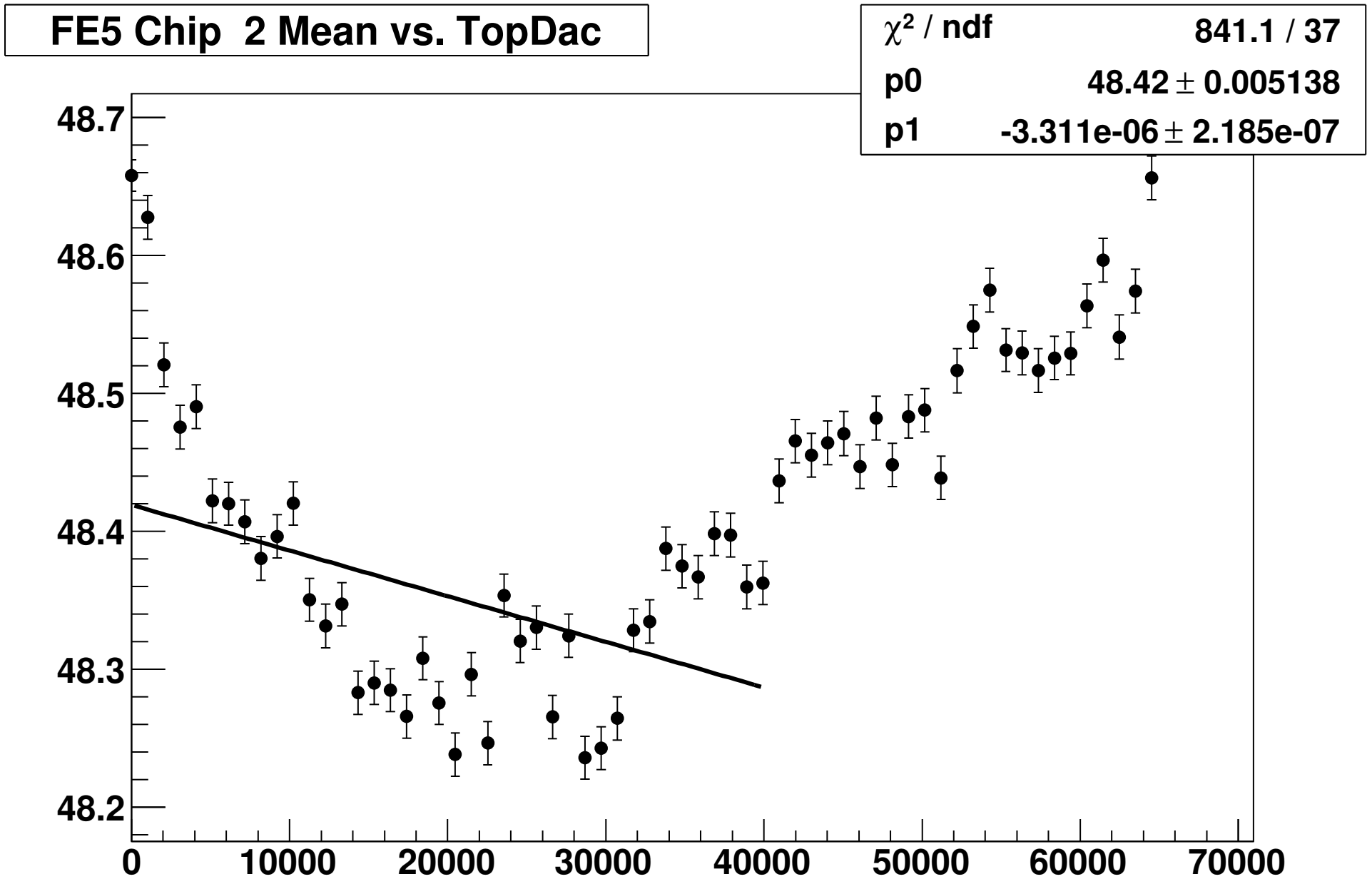

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 675.3 / 37
p0 1.356 ± 0.00278
p1 3.387e-05 ± 2.025e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

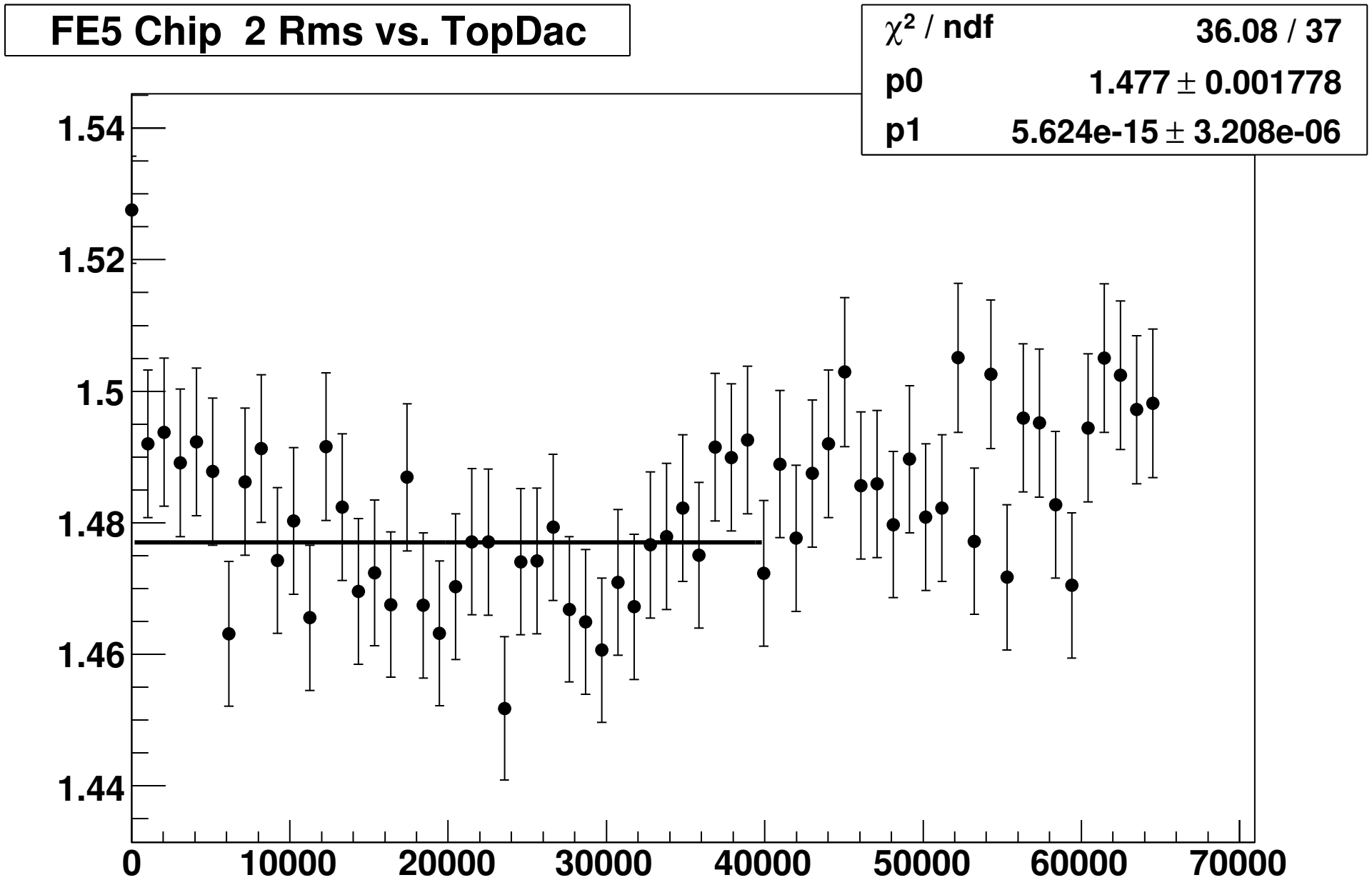

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 937.4 / 37
p0 55.27 ± 0.004981
p1 -3.27e-06 ± 2.114e-07
55.5
55.4
55.3
55.2
55.1
0
10000
20000
30000
40000
50000
60000
70000

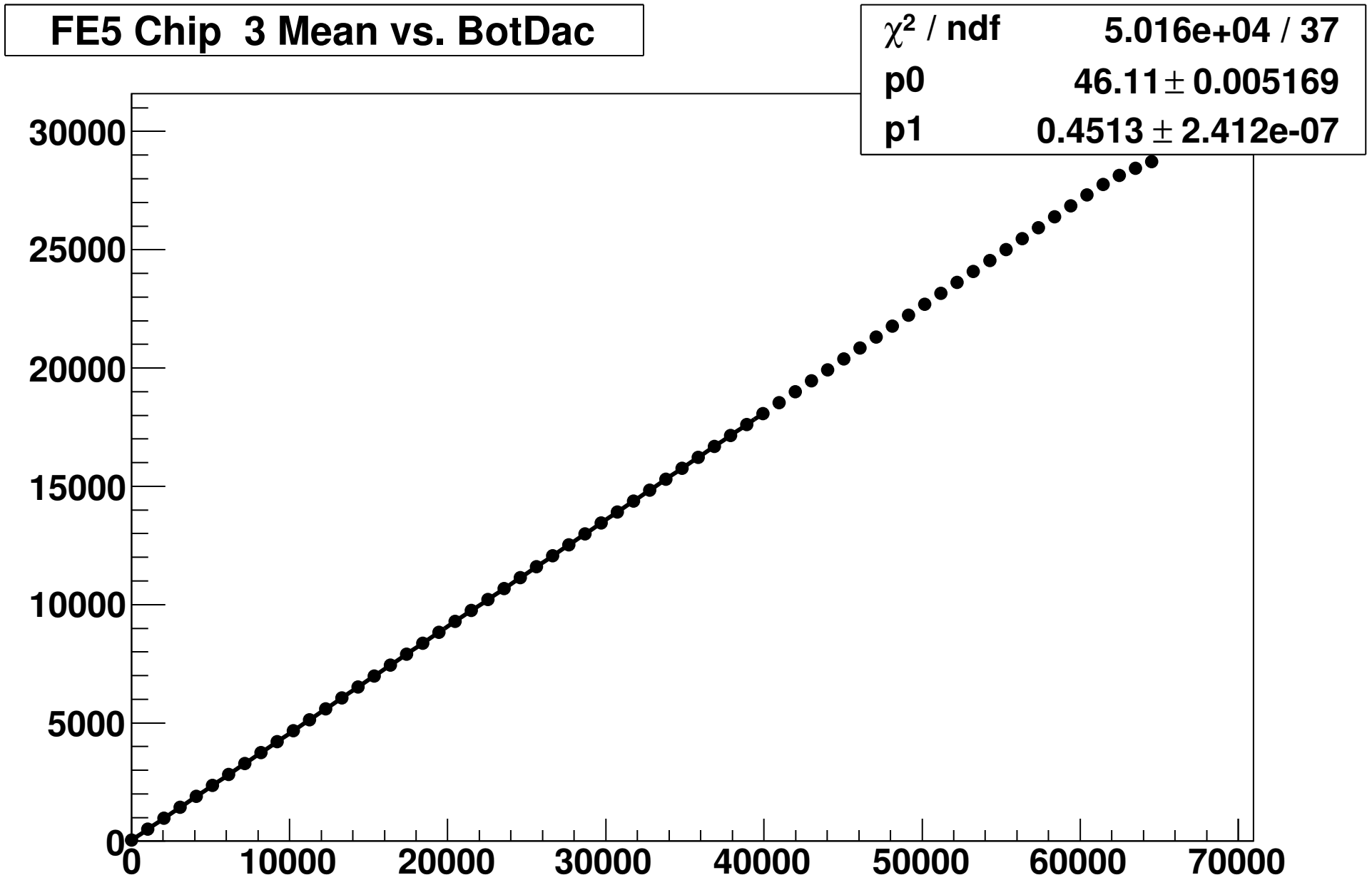

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 64.18 / 37
p0 1.43 ± 0.001723
p1 3.07e-17 ± 1.441e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

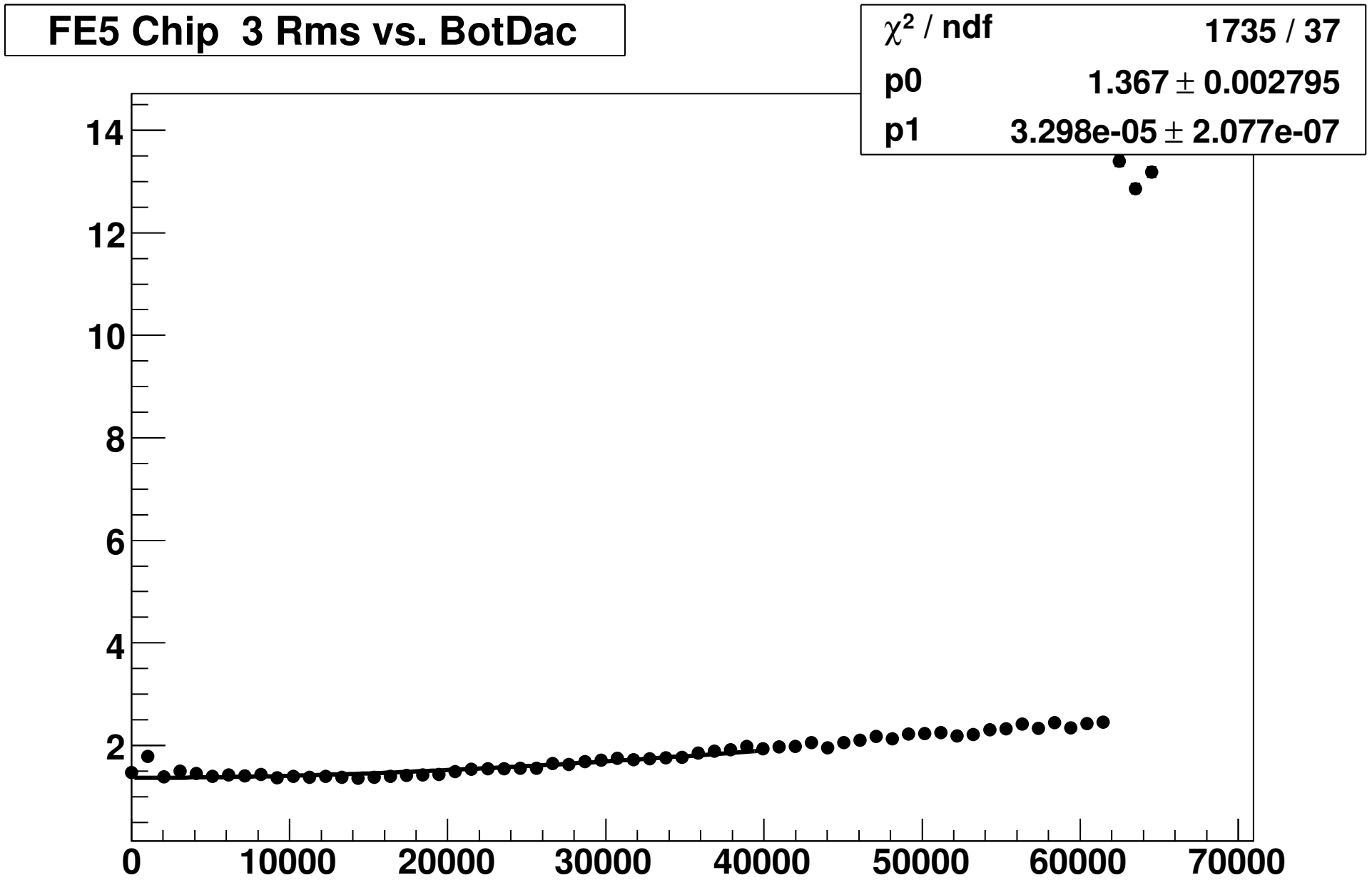

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 8.675e+04 / 37
p0 47.83 ± 0.005287
p1 0.4513 ± 2.457e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

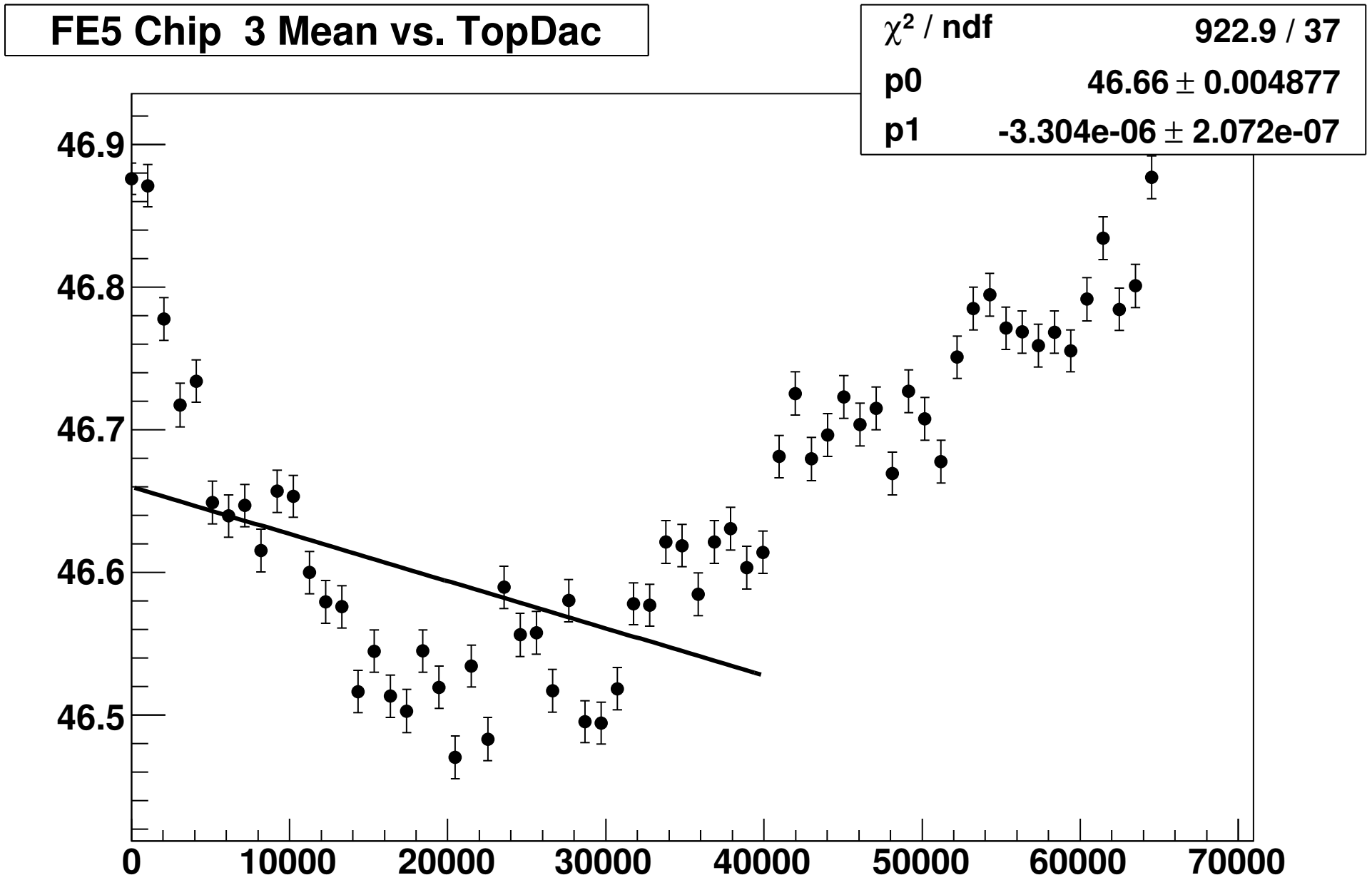

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 4029 / 37
p0 1.387 ± 0.002834
p1 3.28e-05 ± 2.127e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

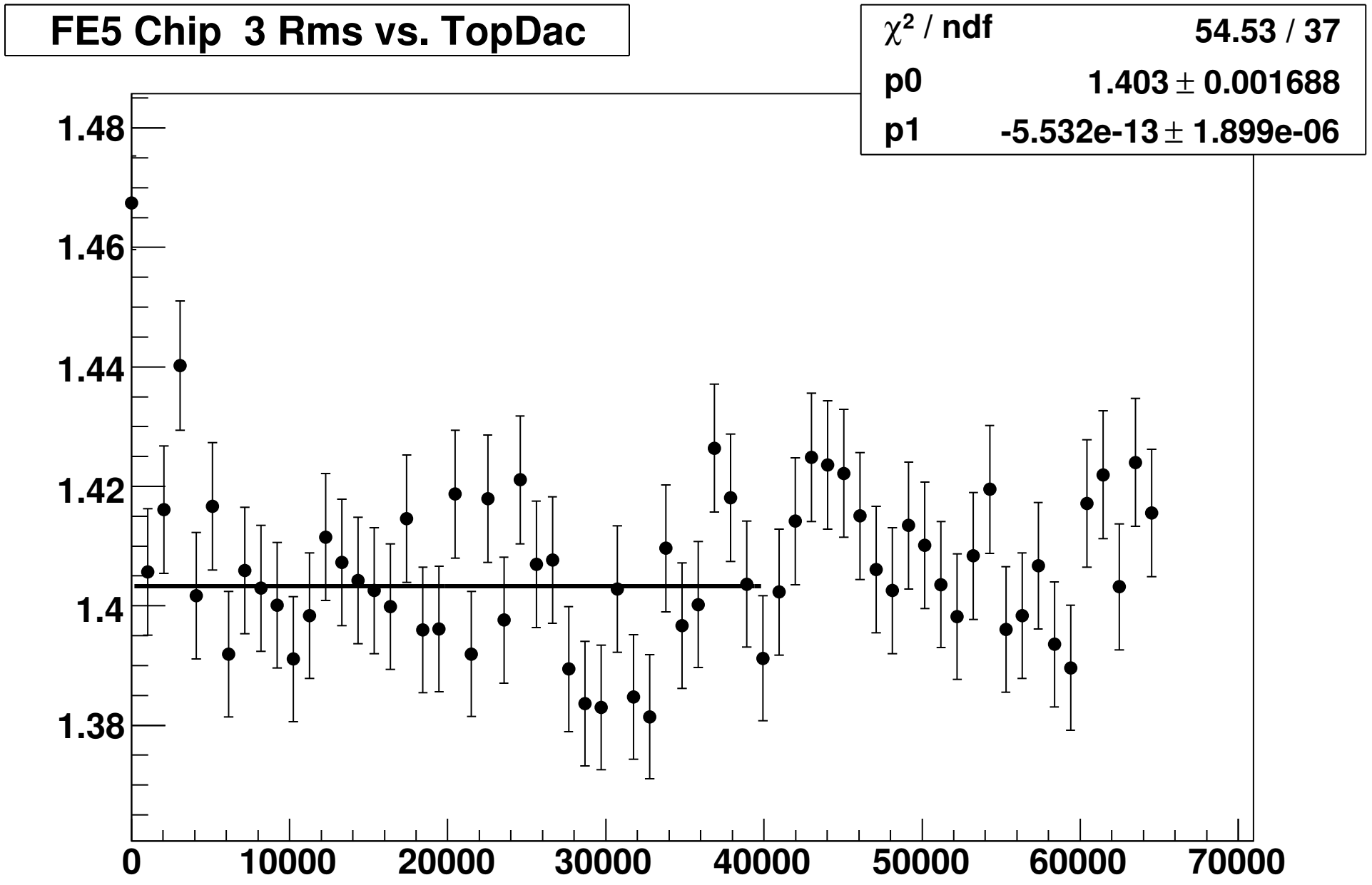

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 841.1 / 37
p0 48.42 ± 0.005138
p1 -3.311e-06 ± 2.185e-07
48.7
48.6
48.5
48.4
48.3
48.2
0
10000
20000
30000
40000
50000
60000
70000

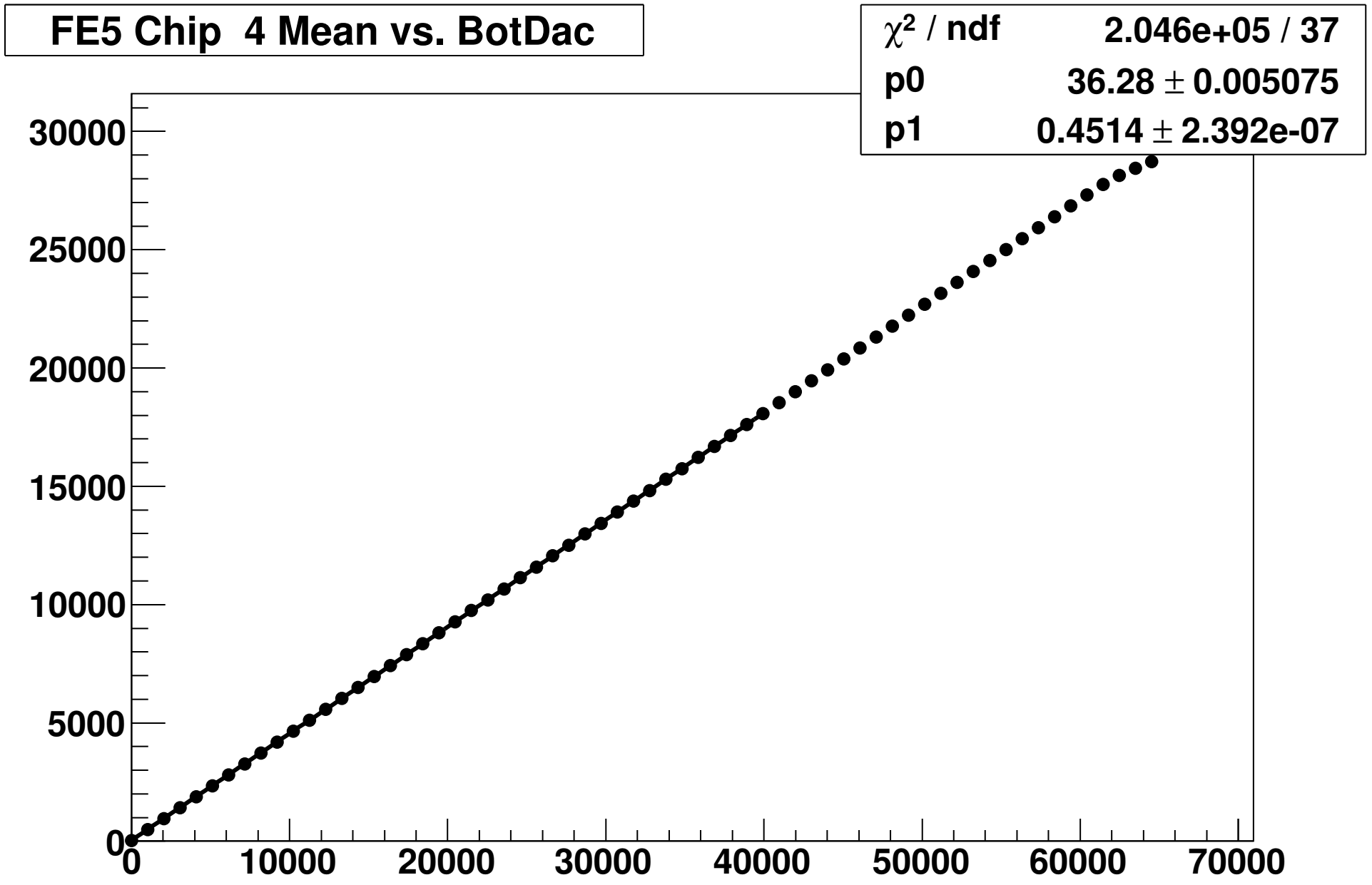

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 36.08 / 37
p0 1.477 ± 0.001778
p1 5.624e-15 ± 3.208e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

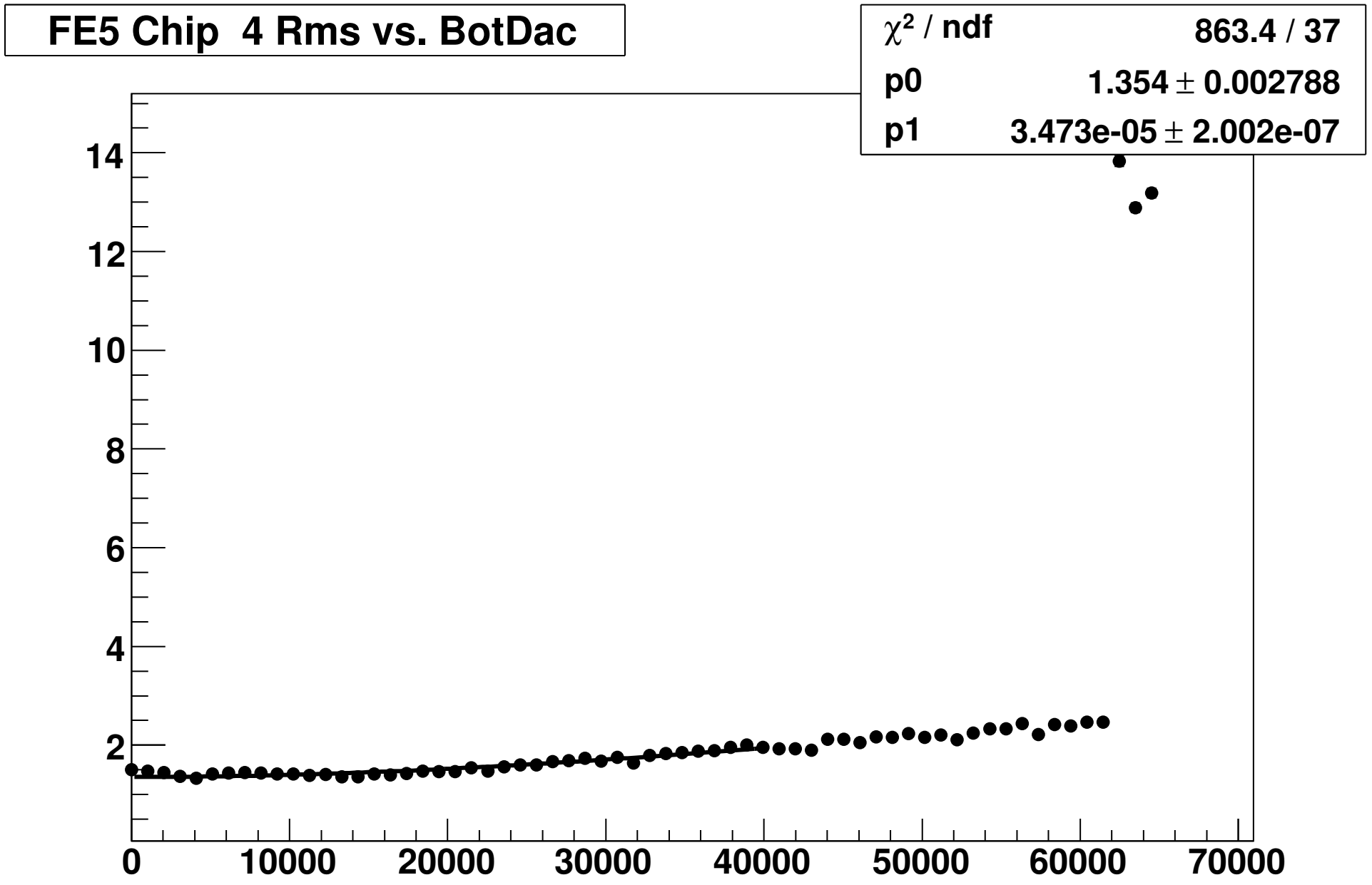

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 5.016e+04 / 37
p0 46.11 ± 0.005169
p1 0.4513 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

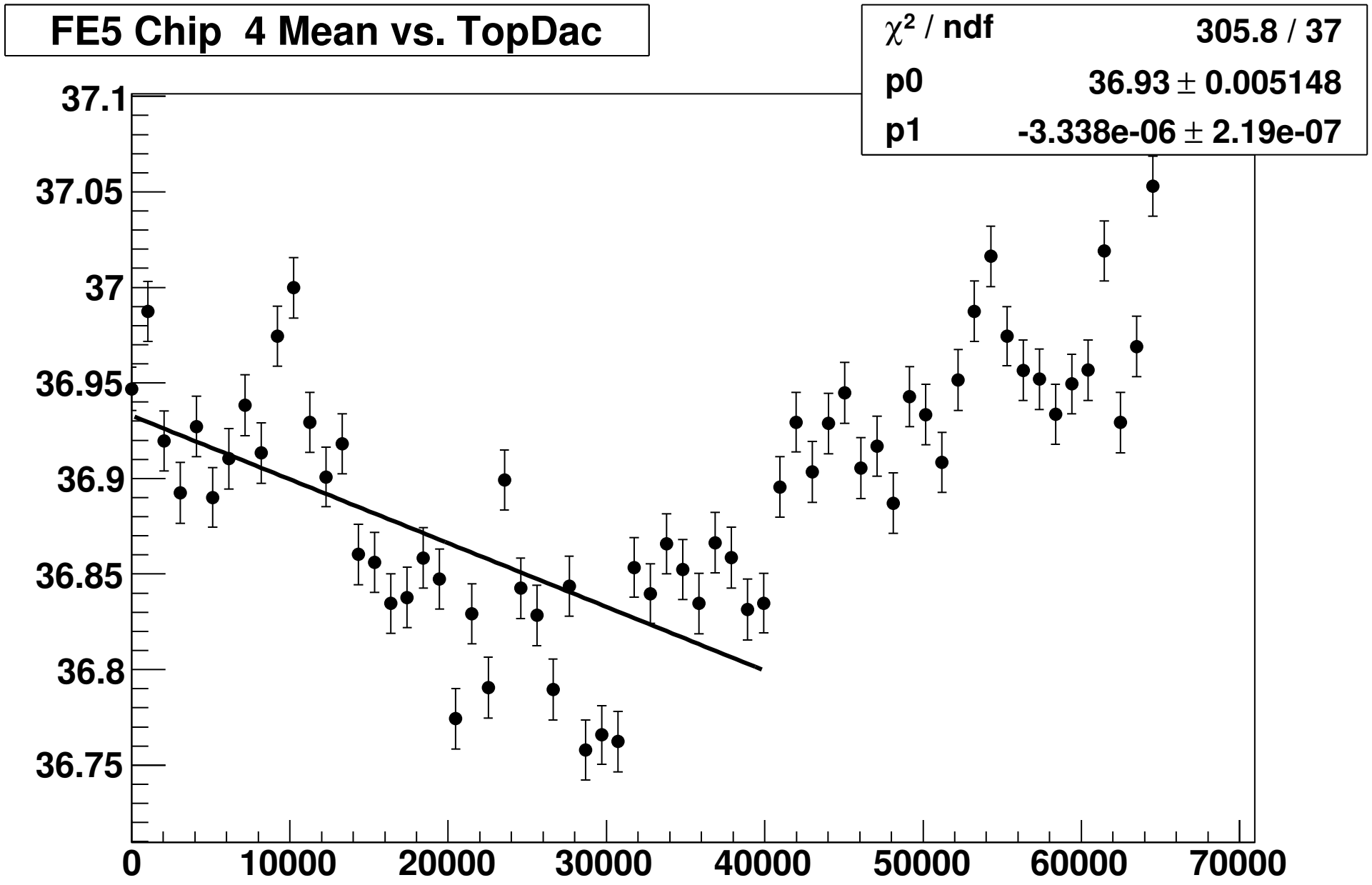

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1735 / 37
p0 1.367 ± 0.002795
p1 3.298e-05 ± 2.077e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

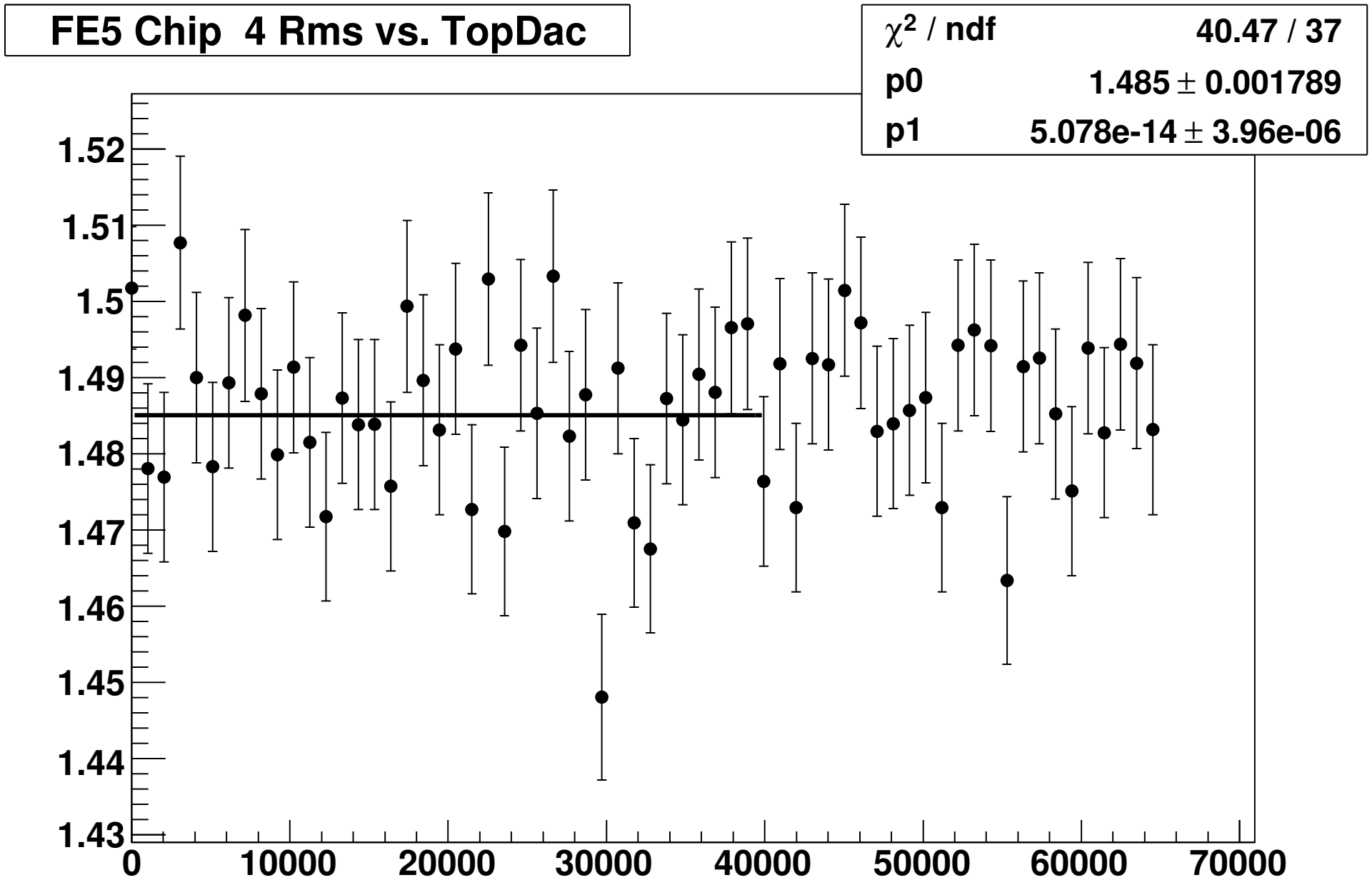

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 922.9 / 37
p0 46.66 ± 0.004877
p1 -3.304e-06 ± 2.072e-07
46.9
46.8
46.7
46.6
46.5
0
10000
20000
30000
40000
50000
60000
70000

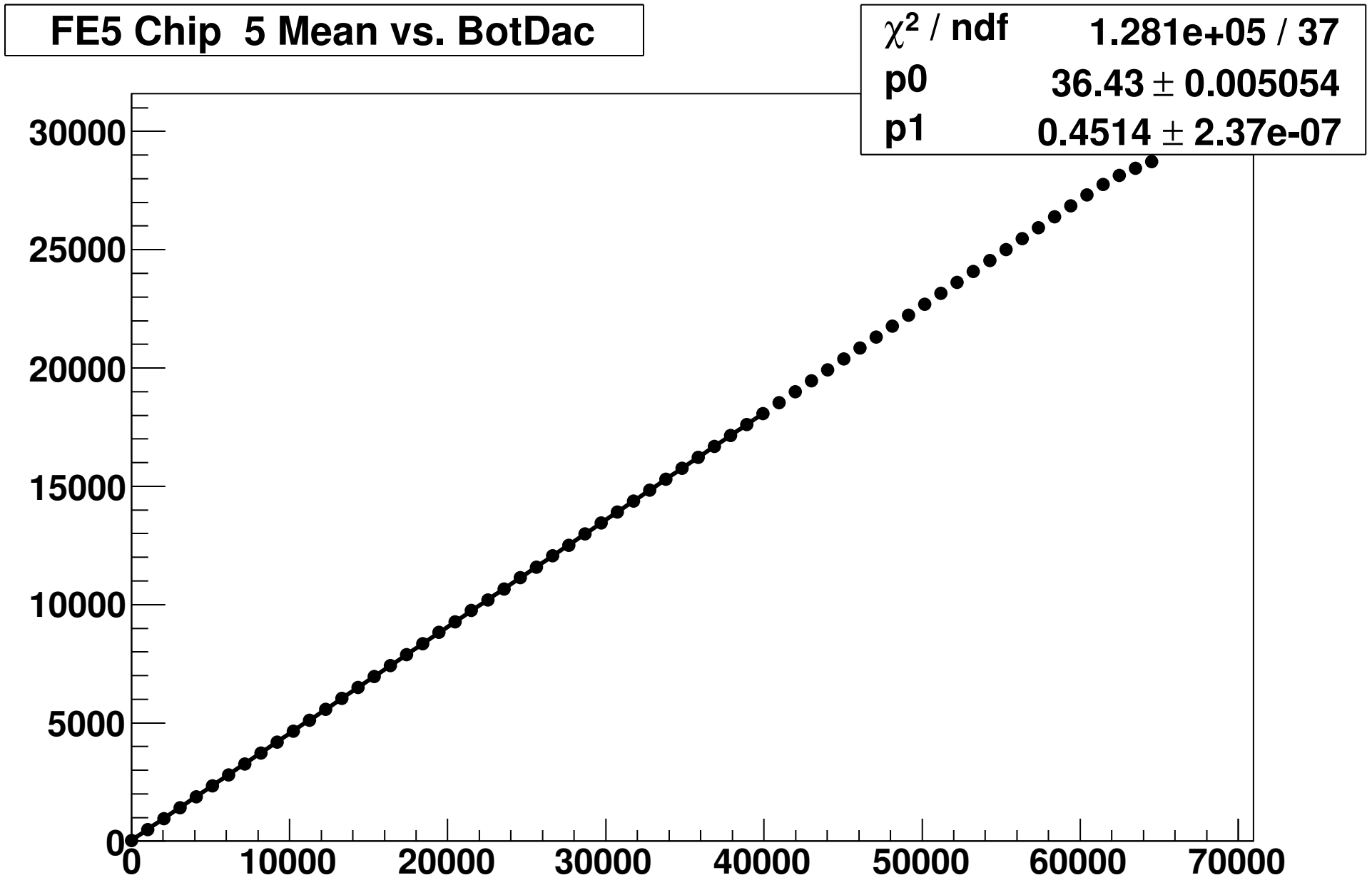

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 54.53 / 37
p0 1.403 ± 0.001688
p1 -5.532e-13 ± 1.899e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

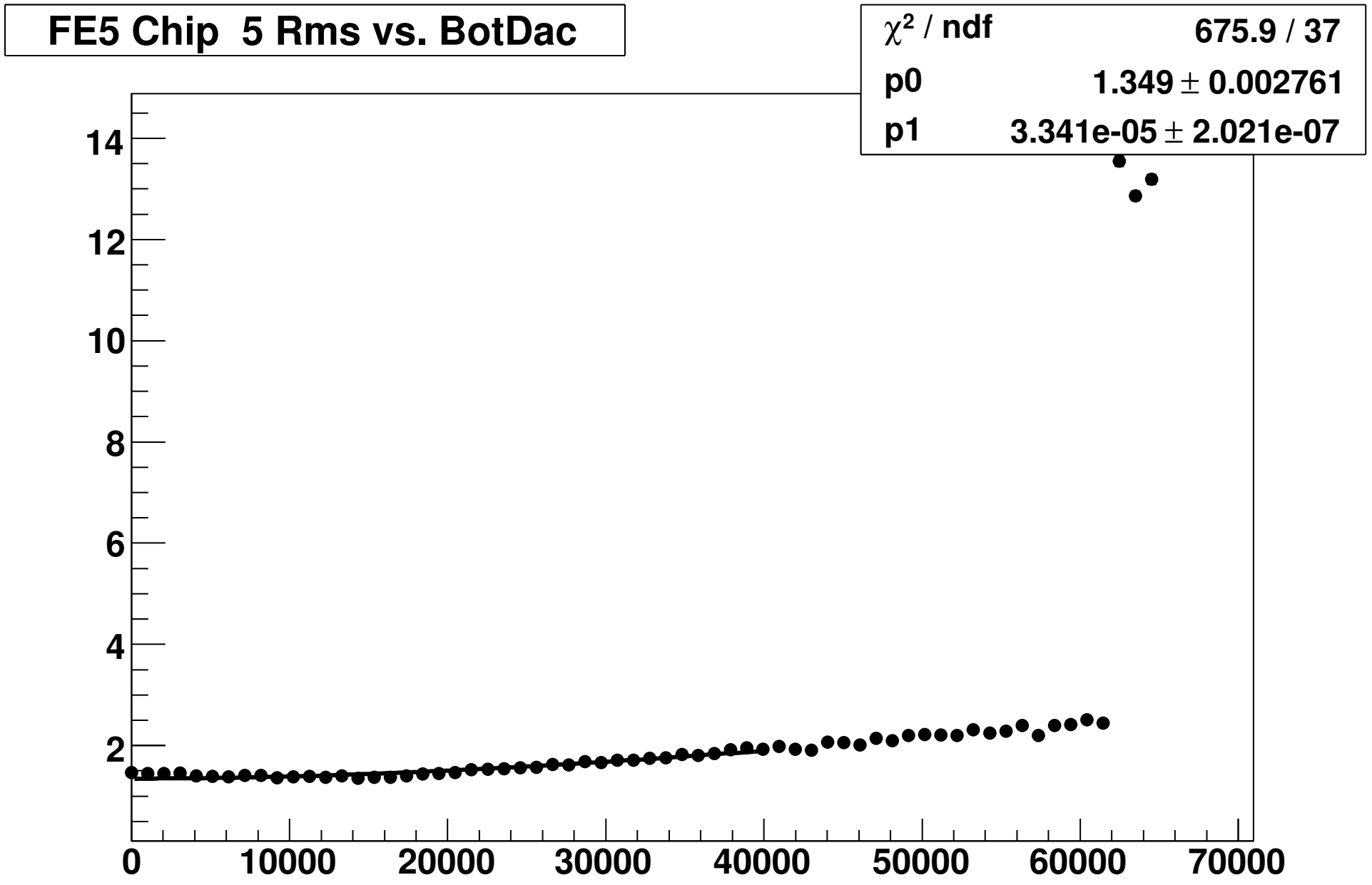

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 2.046e+05 / 37
p0 36.28 ± 0.005075
p1 0.4514 ± 2.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

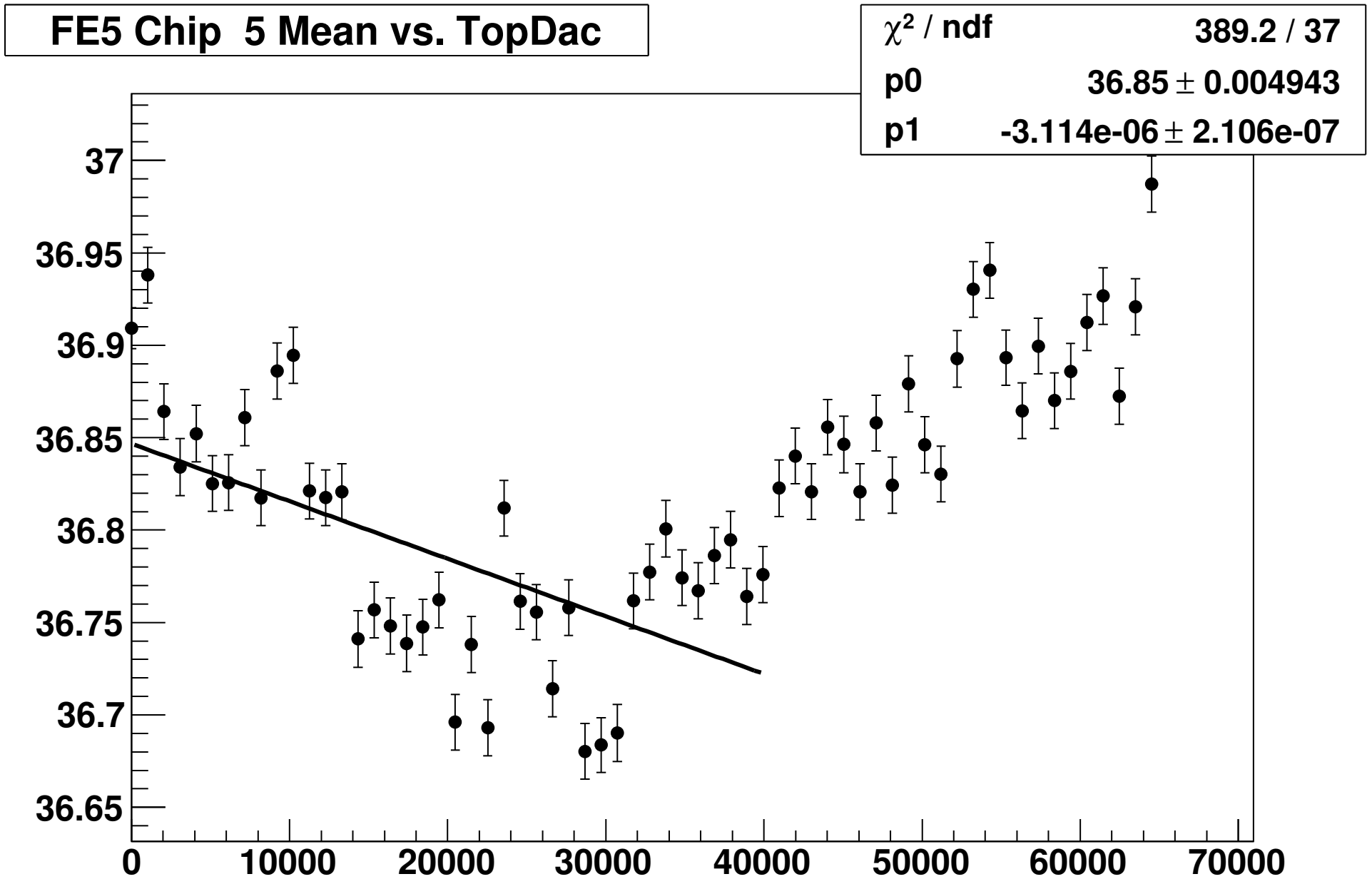

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 863.4 / 37
p0 1.354 ± 0.002788
p1 3.473e-05 ± 2.002e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

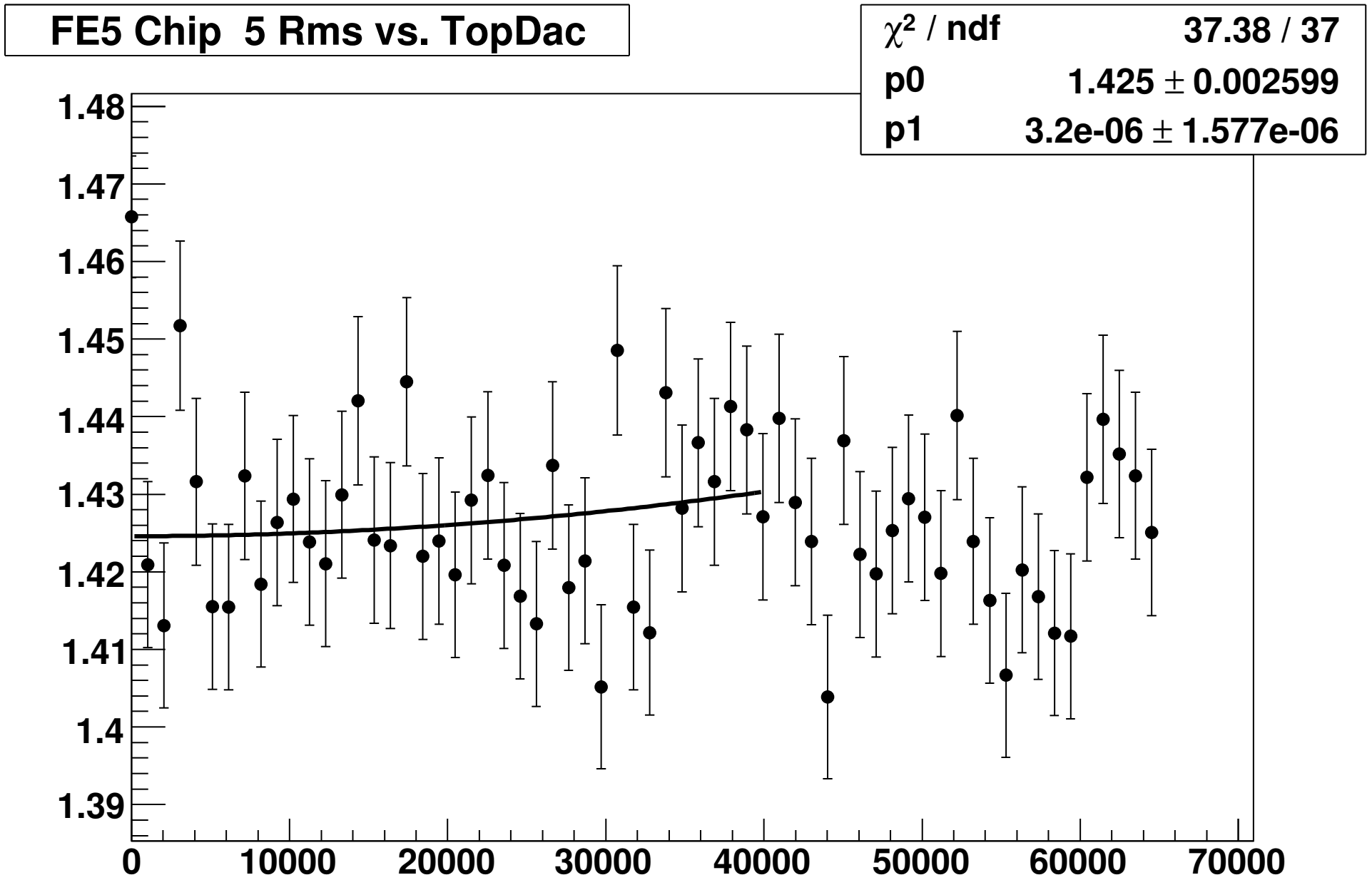

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 305.8 / 37
p0 36.93 ± 0.005148
p1 -3.338e-06 ± 2.19e-07
37.1
37.05
37
36.95
36.9
36.85
36.8
36.75
0
10000
20000
30000
40000
50000
60000
70000

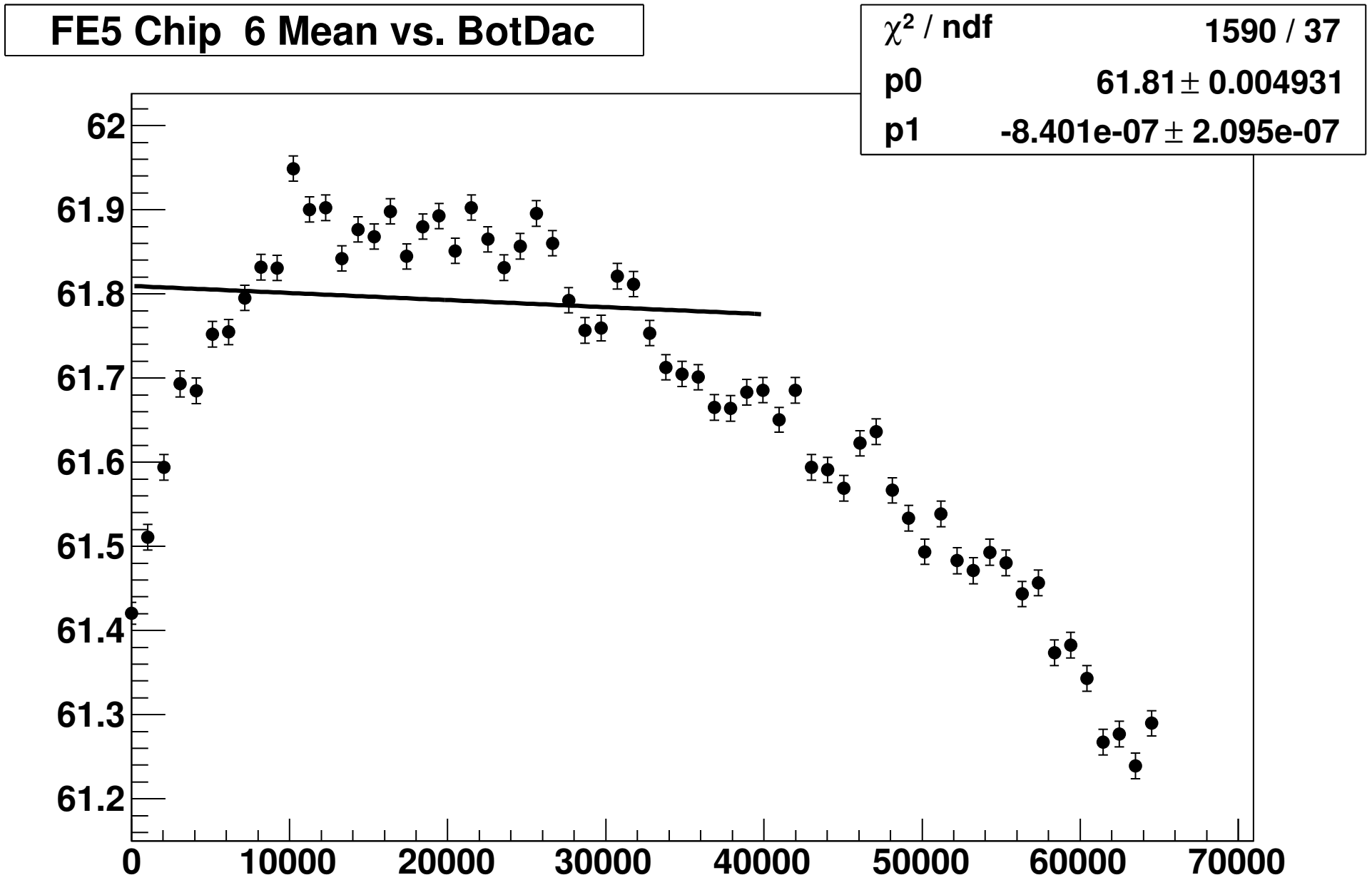

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 40.47 / 37
p0 1.485 ± 0.001789
p1 5.078e-14 ± 3.96e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

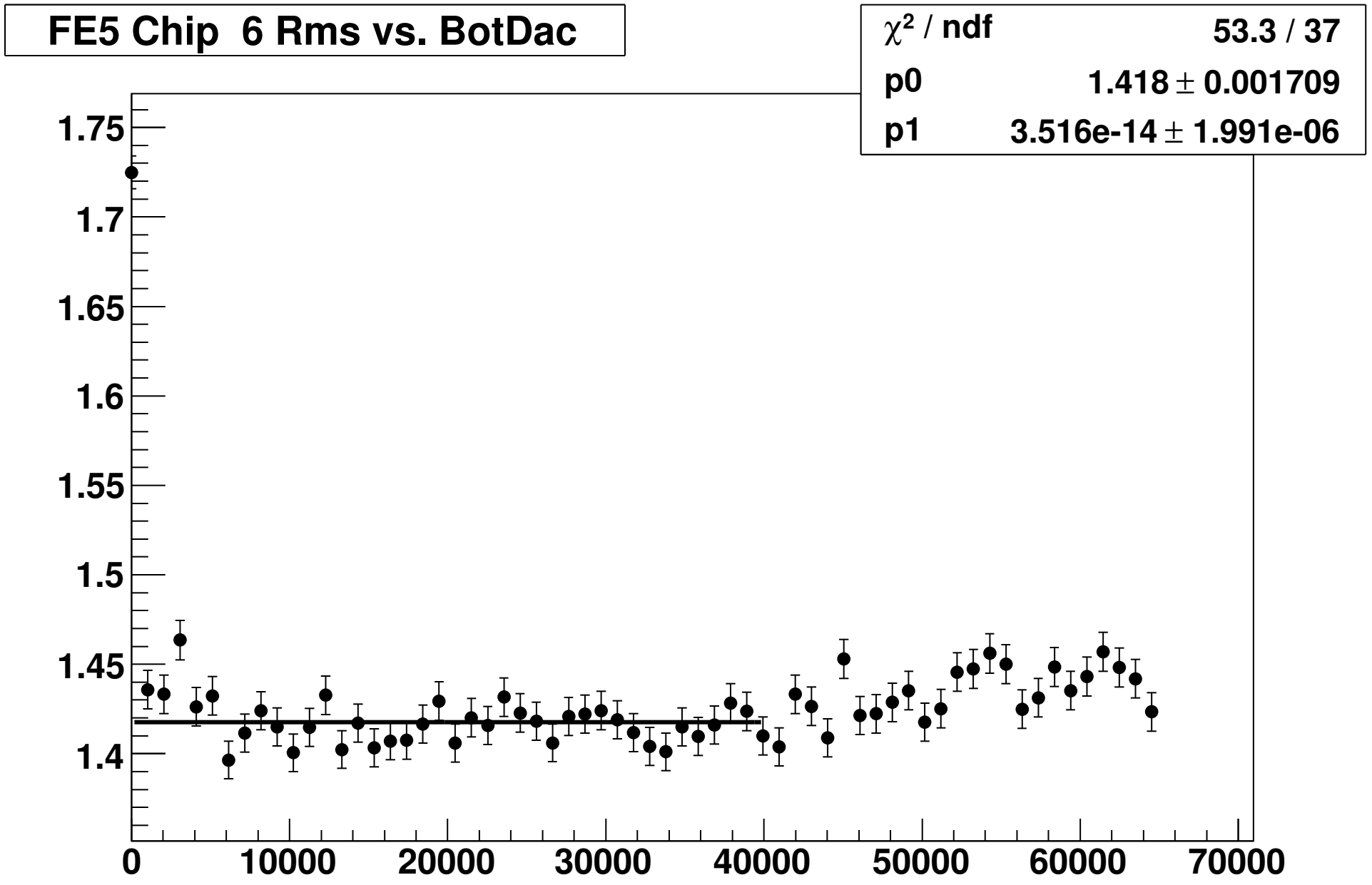

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.281e+05 / 37
p0 36.43 ± 0.005054
p1 0.4514 ± 2.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

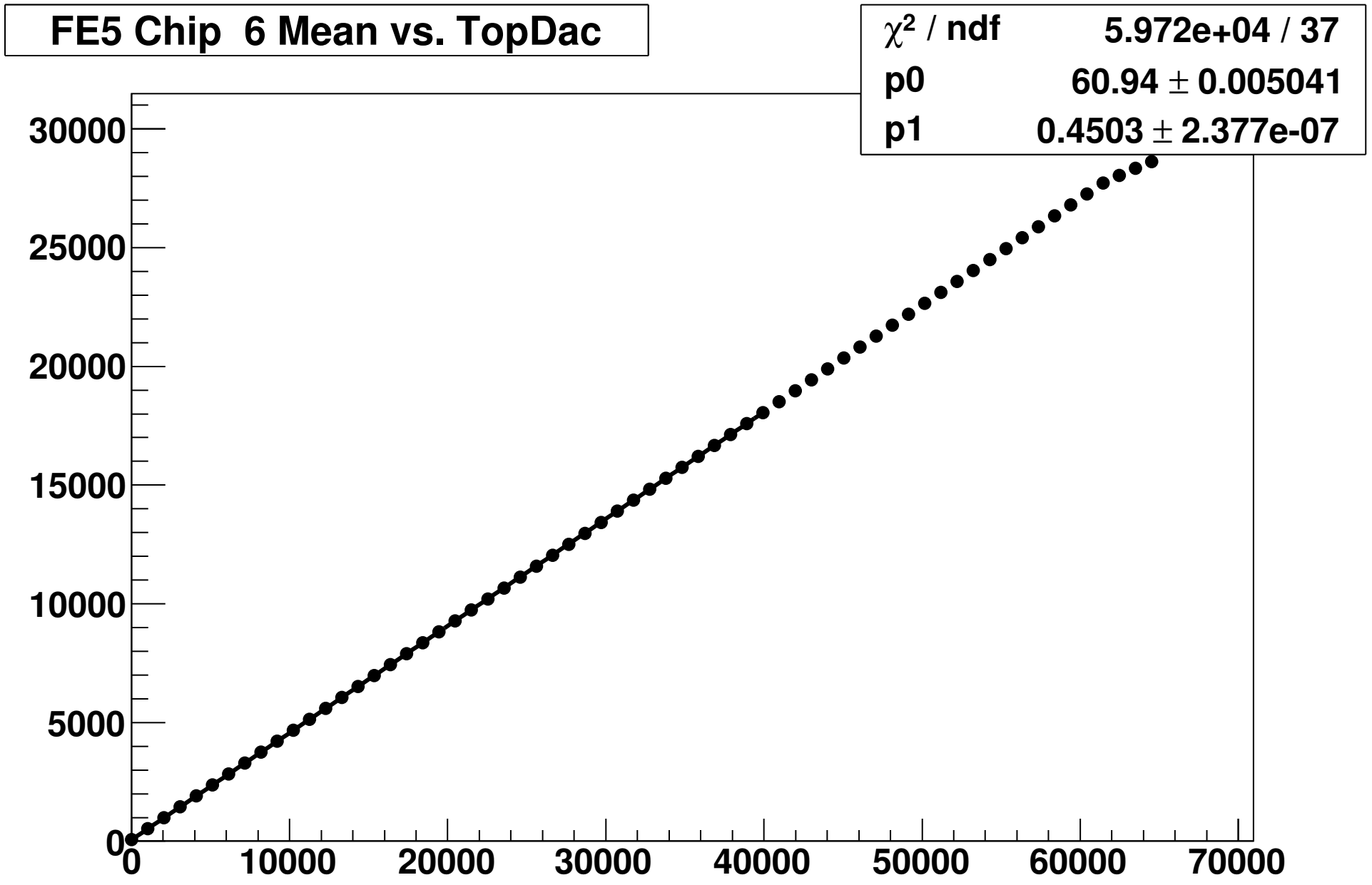

FE5 Chip 5 Rms vs. BotDac
χ² / ndf 675.9 / 37
p0 1.349 ± 0.002761
p1 3.341e-05 ± 2.021e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

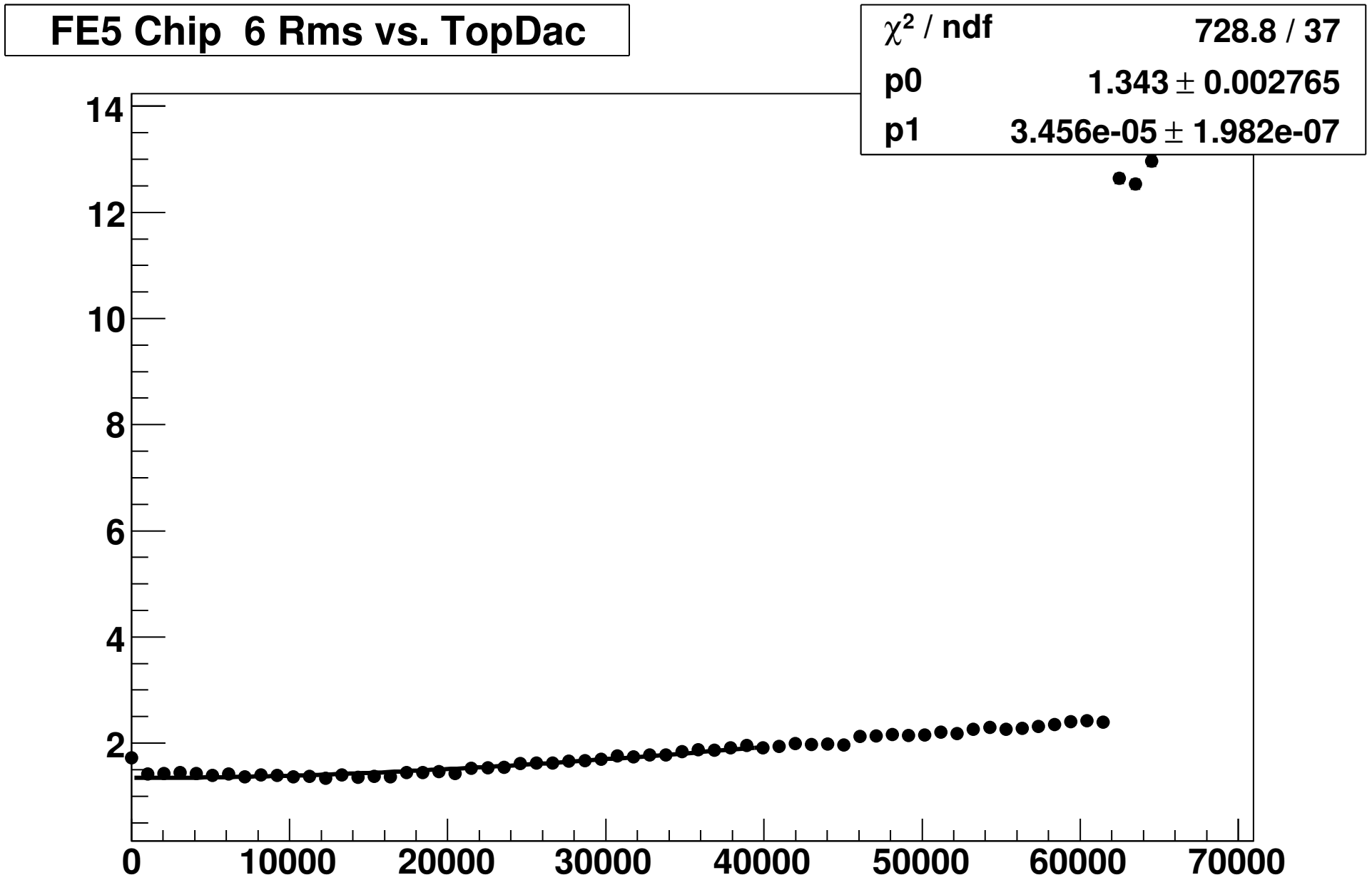

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 389.2 / 37
p0 36.85 ± 0.004943
p1 -3.114e-06 ± 2.106e-07
37
36.95
36.9
36.85
36.8
36.75
36.7
36.65
0
10000
20000
30000
40000
50000
60000
70000

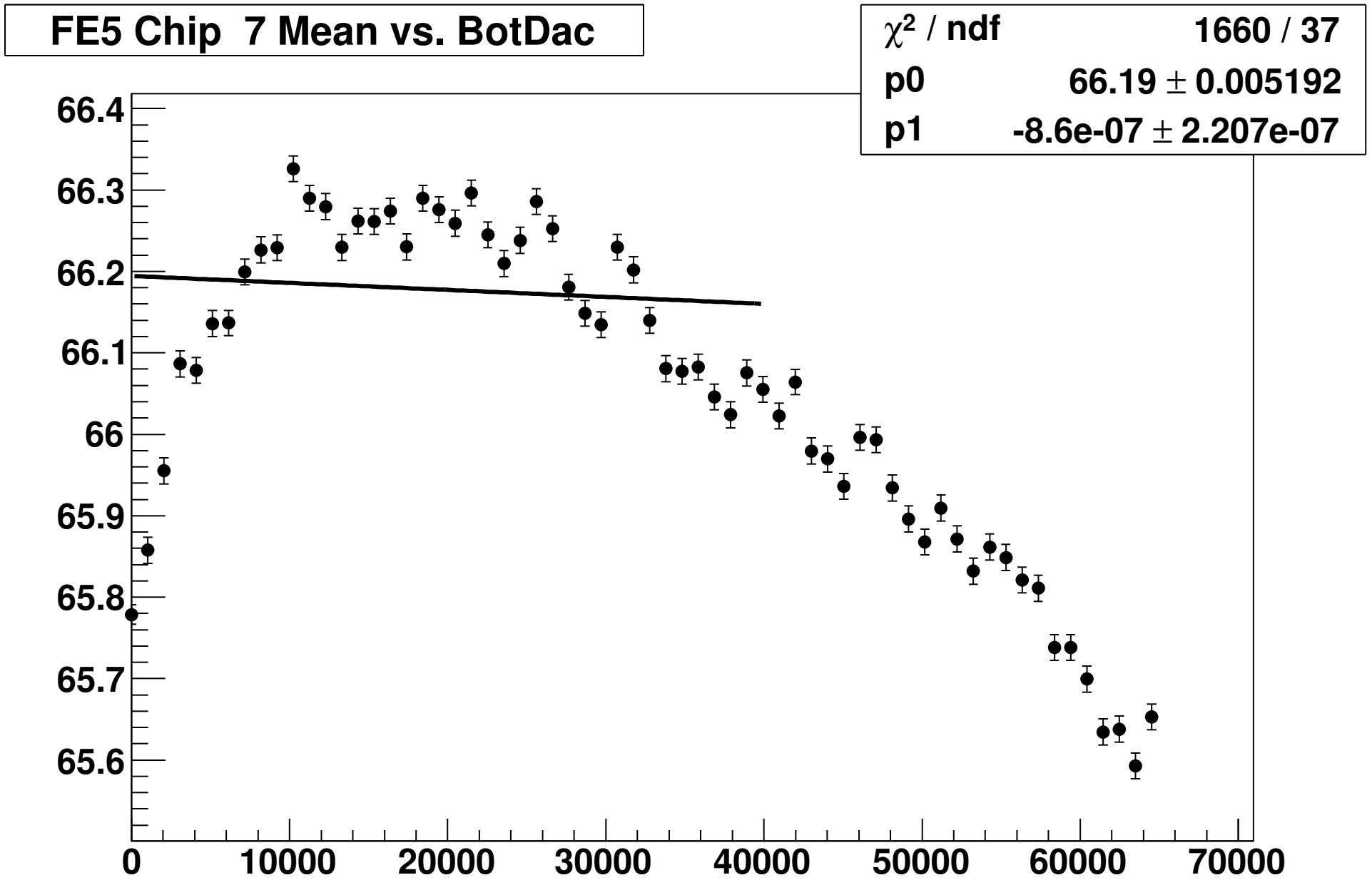

FE5 Chip 5 Rms vs. TopDac
χ² / ndf 37.38 / 37
p0 1.425 ± 0.002599
p1 3.2e-06 ± 1.577e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

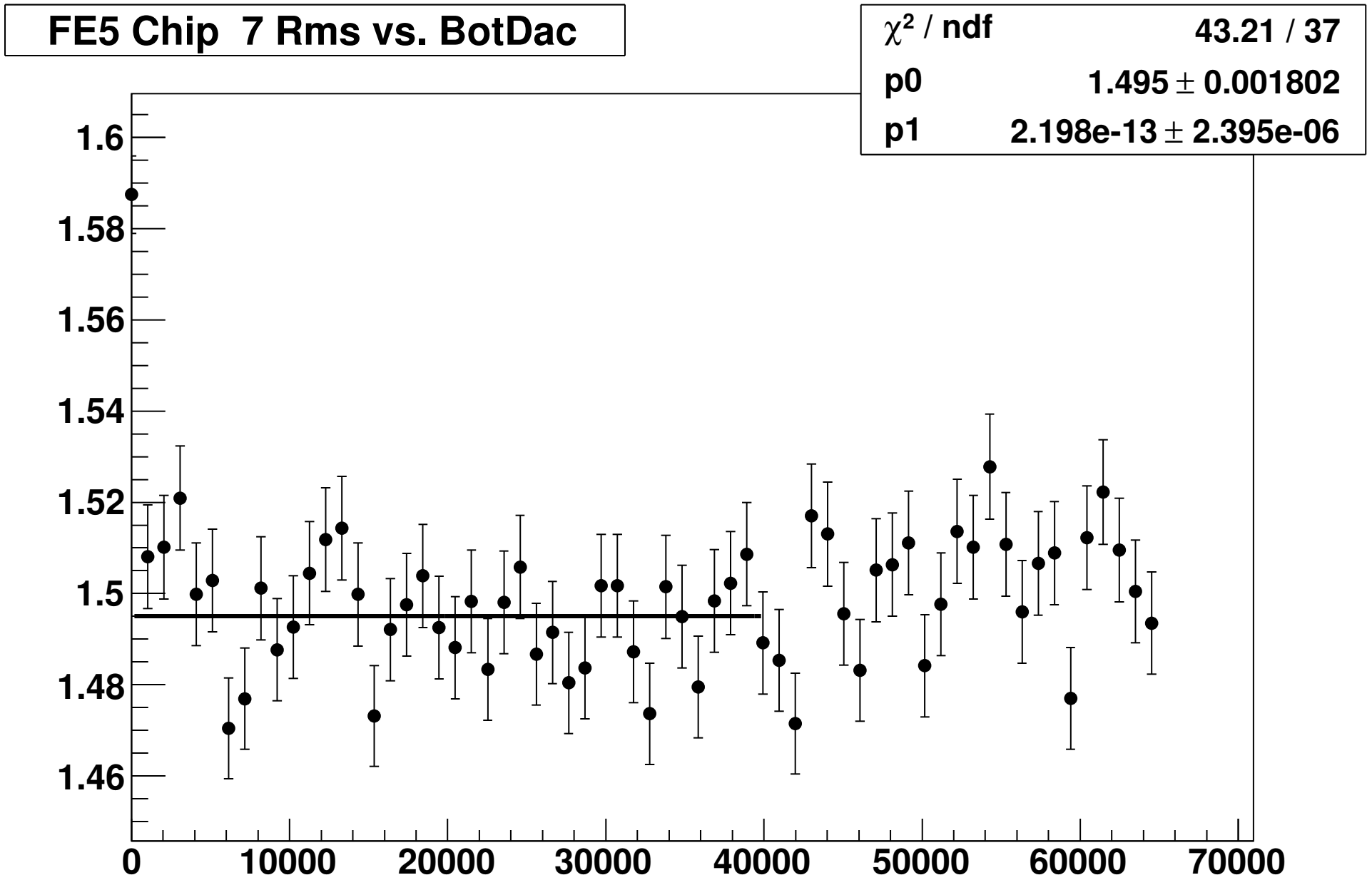

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1590 / 37
p0 61.81 ± 0.004931
p1 -8.401e-07 ± 2.095e-07
62
61.9
61.8
61.7
61.6
61.5
61.4
61.3
61.2
0
10000
20000
30000
40000
50000
60000
70000

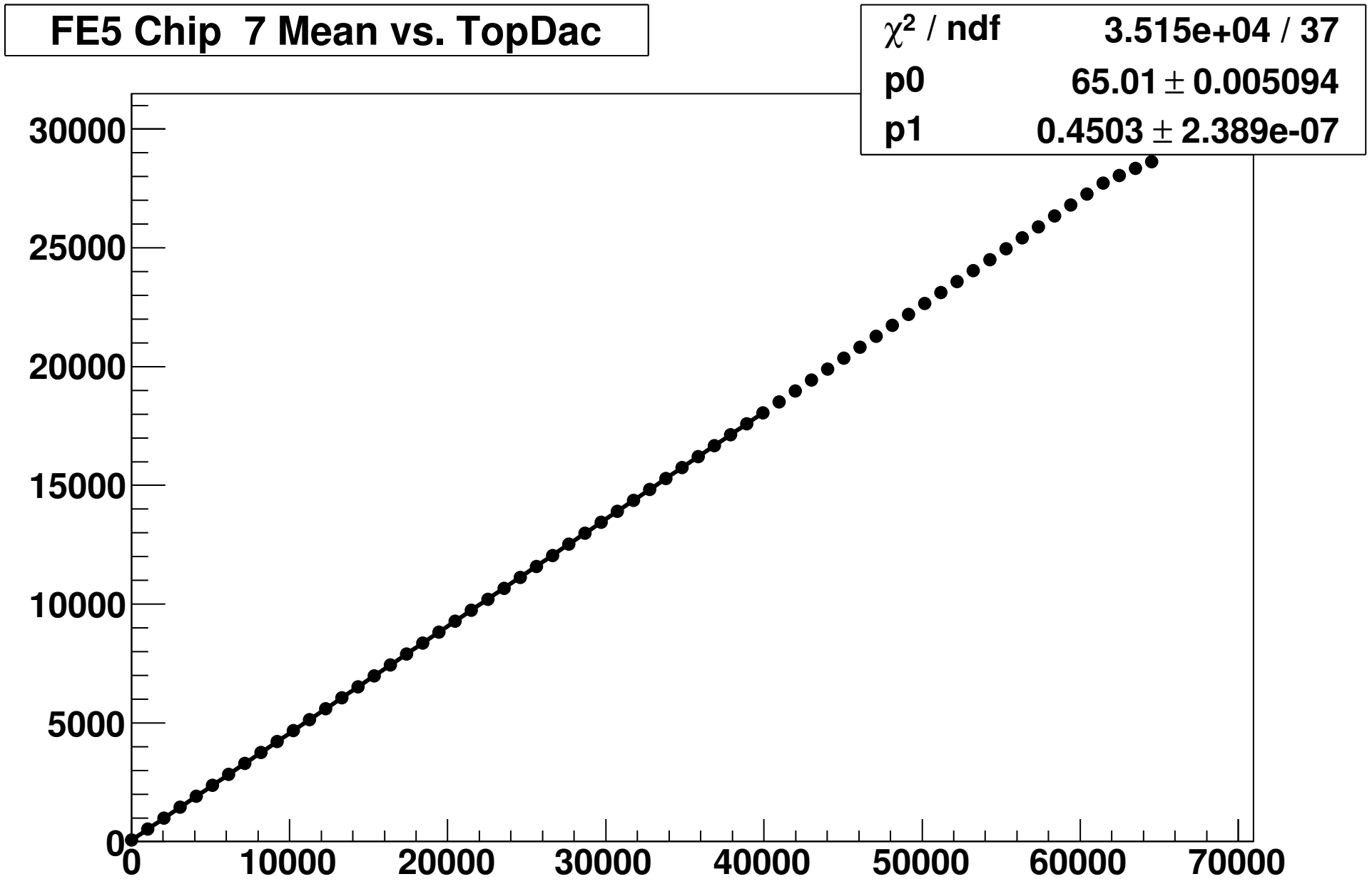

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 53.3 / 37
p0 1.418 ± 0.001709
p1 3.516e-14 ± 1.991e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

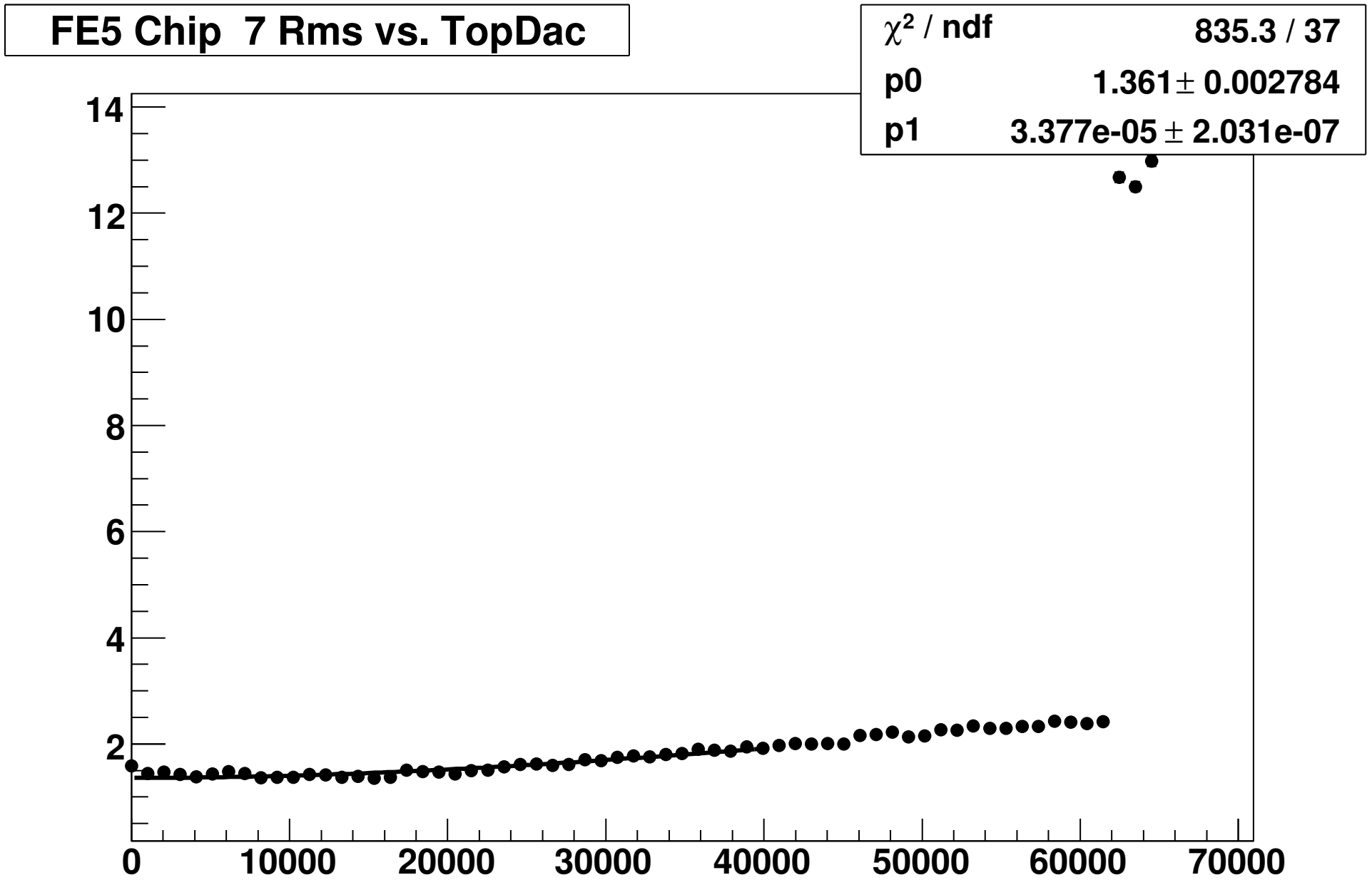

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 5.972e+04 / 37
p0 60.94 ± 0.005041
p1 0.4503 ± 2.377e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

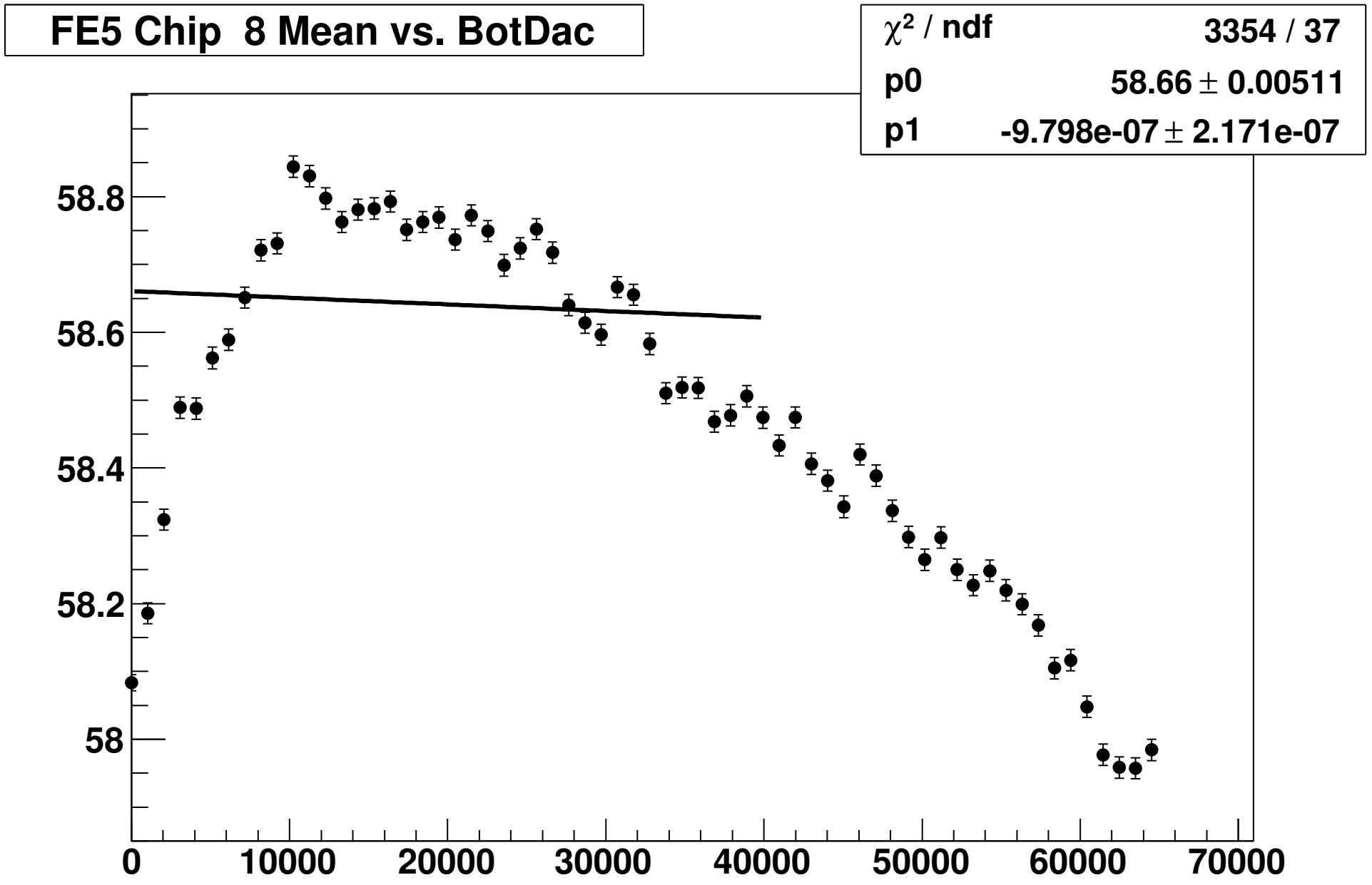

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 728.8 / 37
p0 1.343 ± 0.002765
p1 3.456e-05 ± 1.982e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

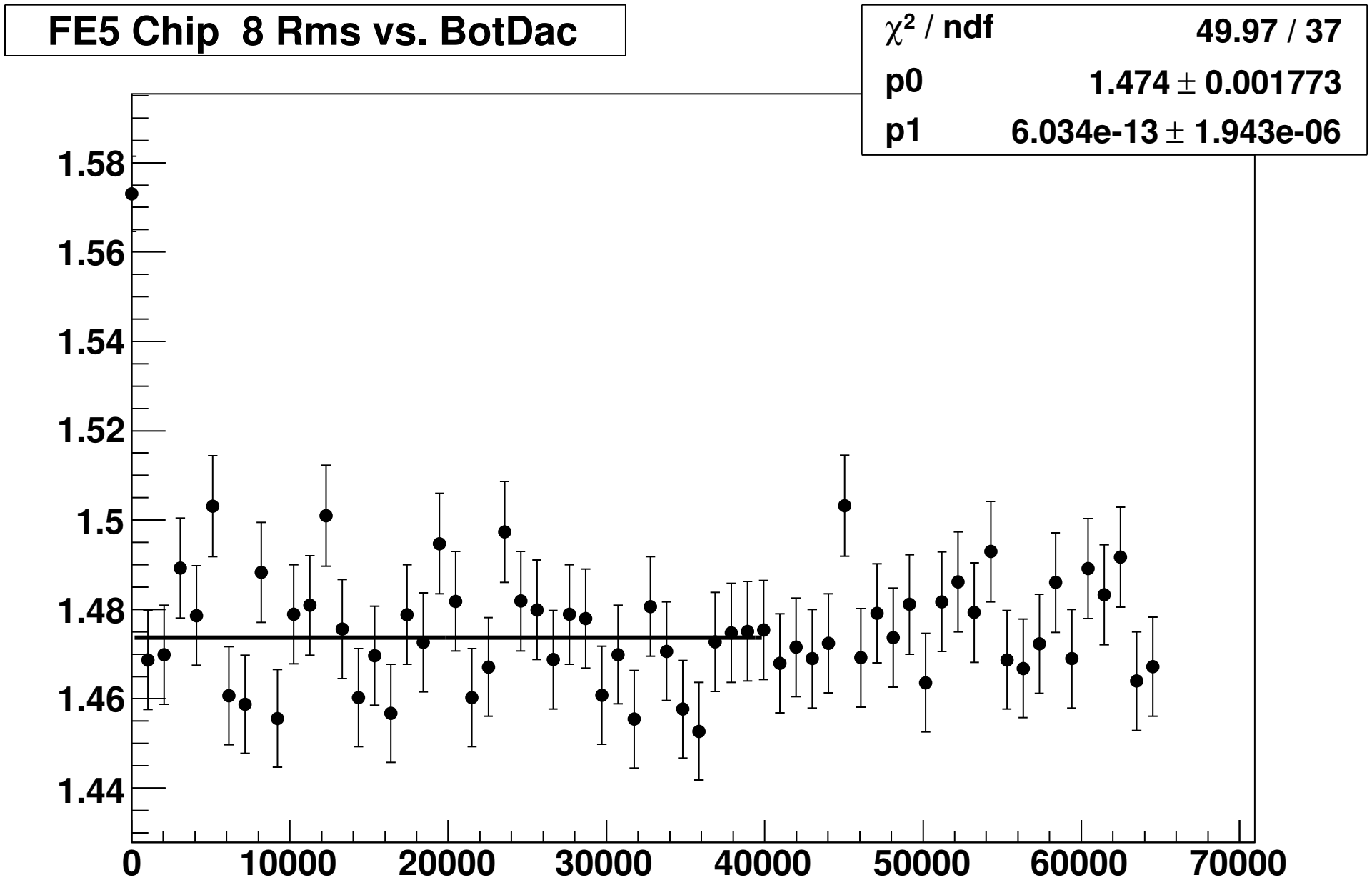

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 1660 / 37
p0 66.19 ± 0.005192
p1 -8.6e-07 ± 2.207e-07
66.4
66.3
66.2
66.1
66
65.9
65.8
65.7
65.6
0
10000
20000
30000
40000
50000
60000
70000

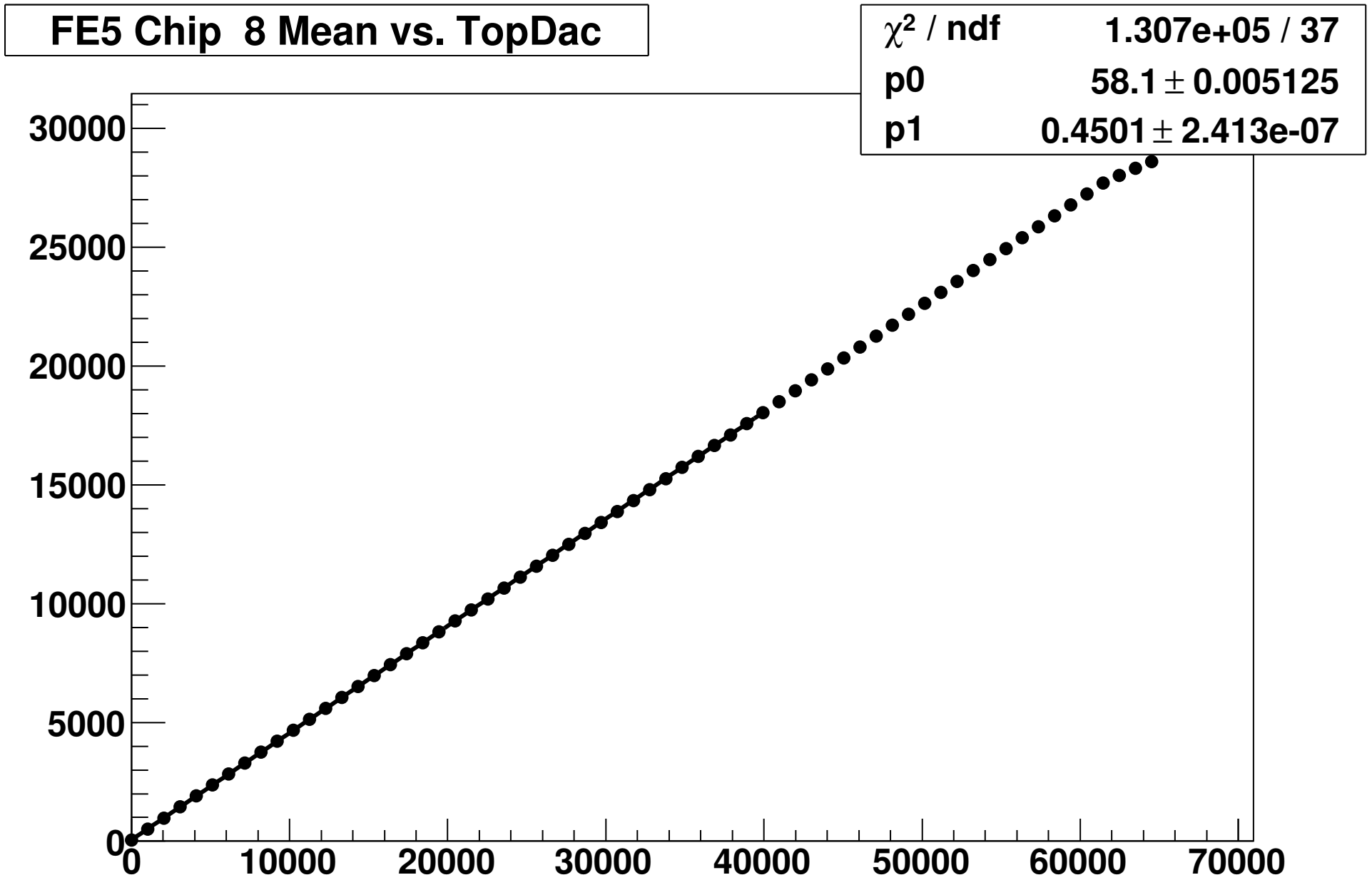

FE5 Chip 7 Rms vs. BotDac
χ² / ndf 43.21 / 37
p0 1.495 ± 0.001802
p1 2.198e-13 ± 2.395e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

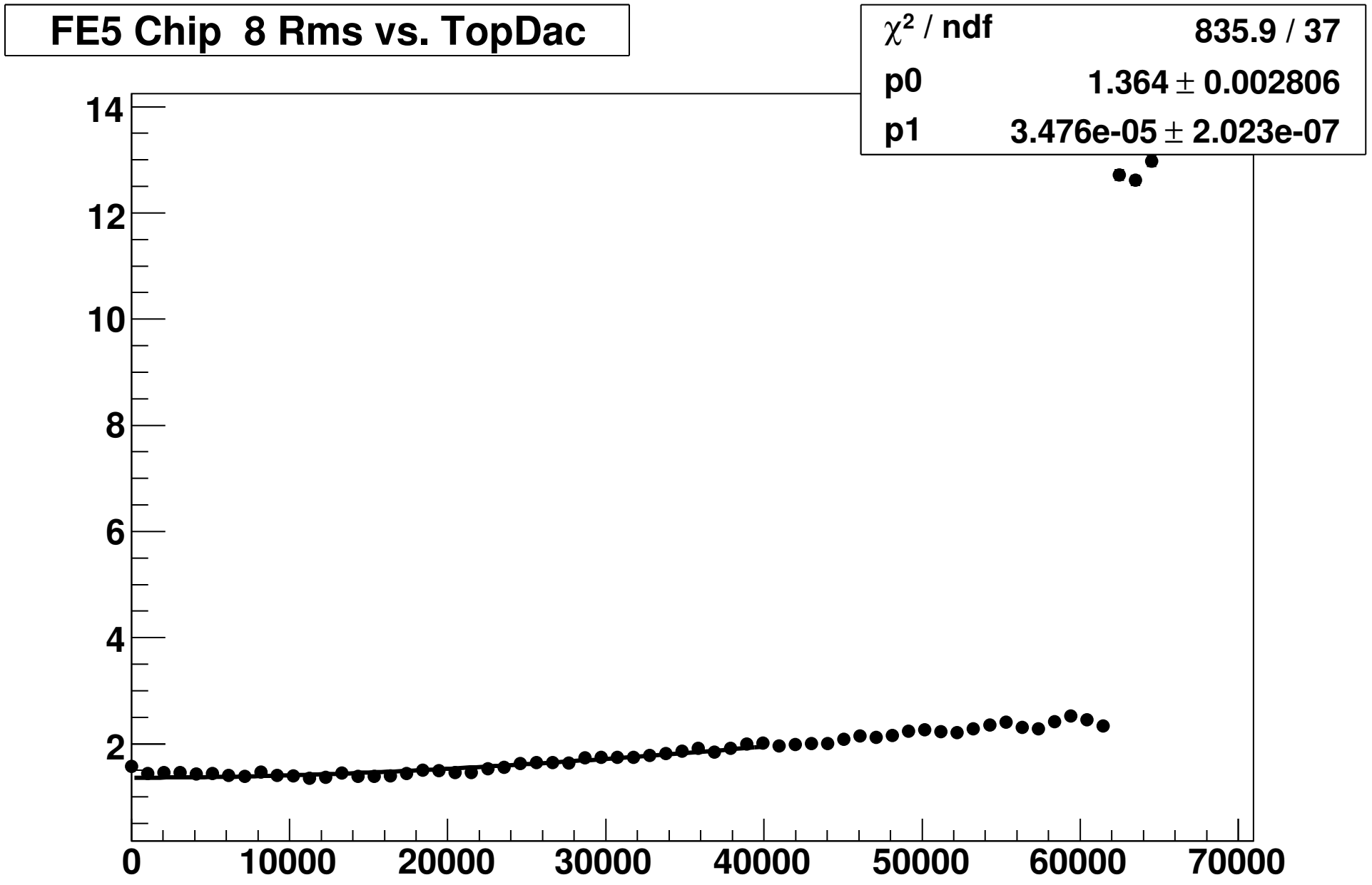

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 3.515e+04 / 37
p0 65.01 ± 0.005094
p1 0.4503 ± 2.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

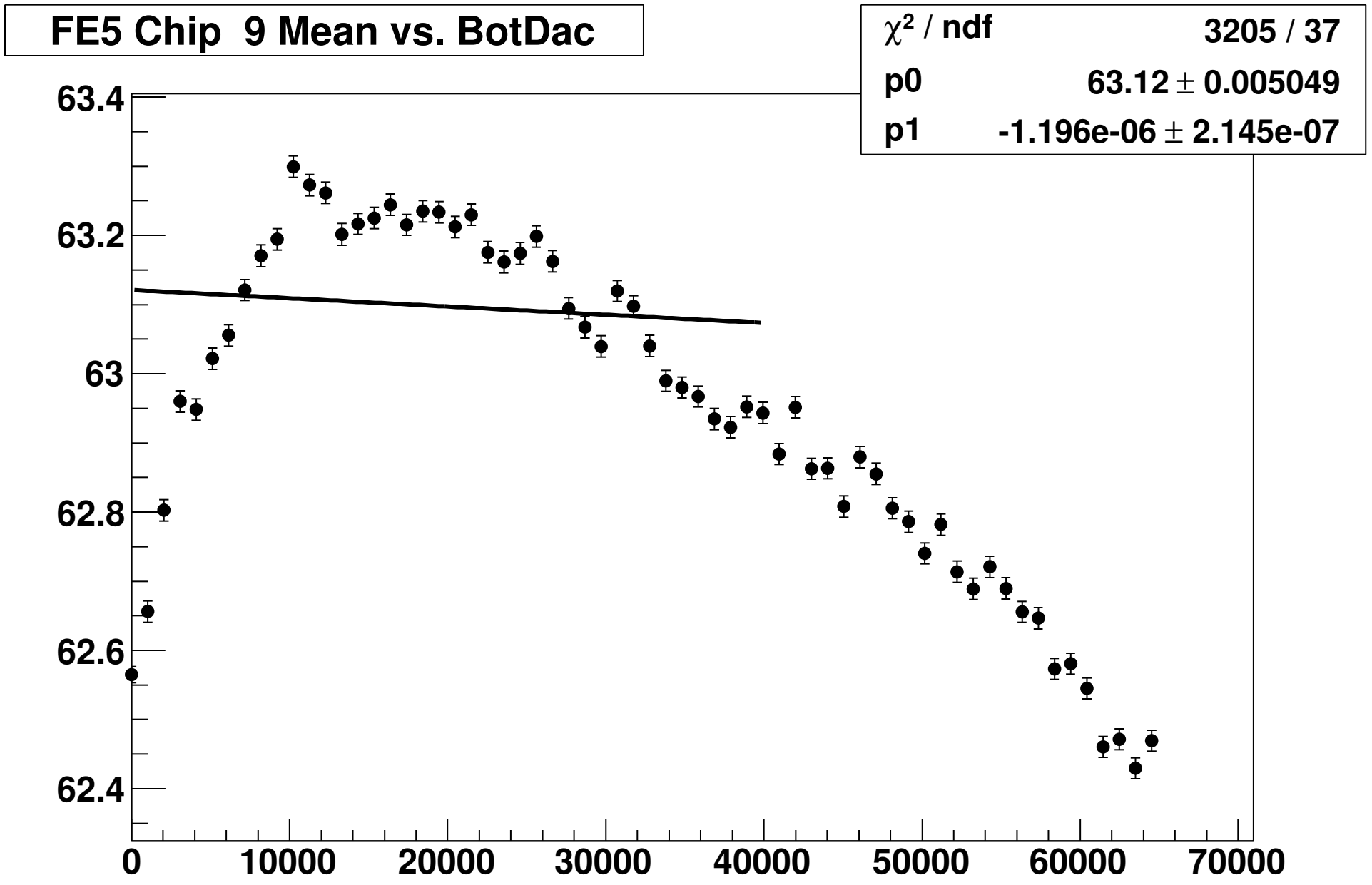

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 835.3 / 37
p0 1.361 ± 0.002784
p1 3.377e-05 ± 2.031e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

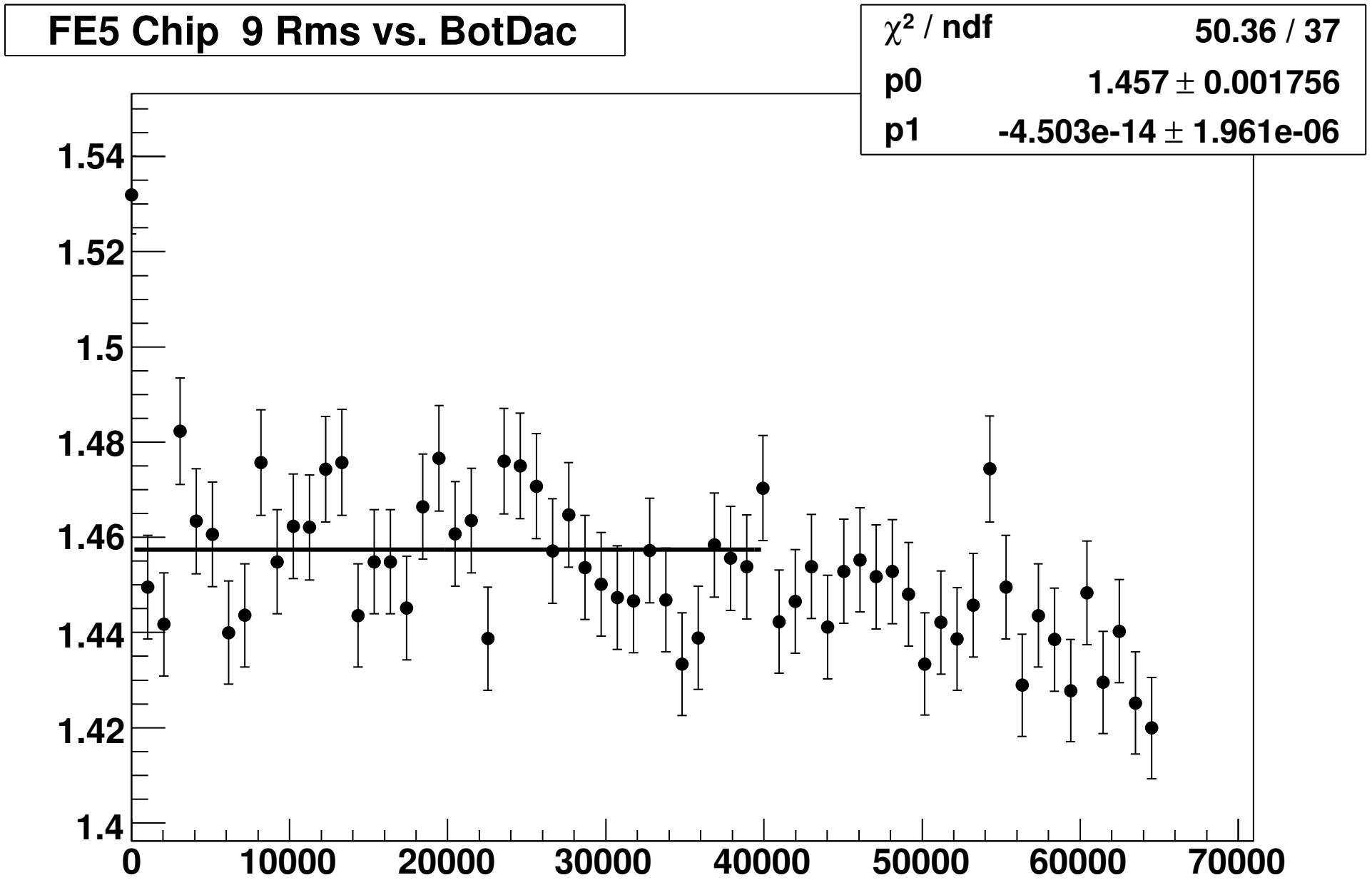

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 3354 / 37
p0 58.66 ± 0.00511
p1 -9.798e-07 ± 2.171e-07
58.8
58.6
58.4
58.2
58
0
10000
20000
30000
40000
50000
60000
70000

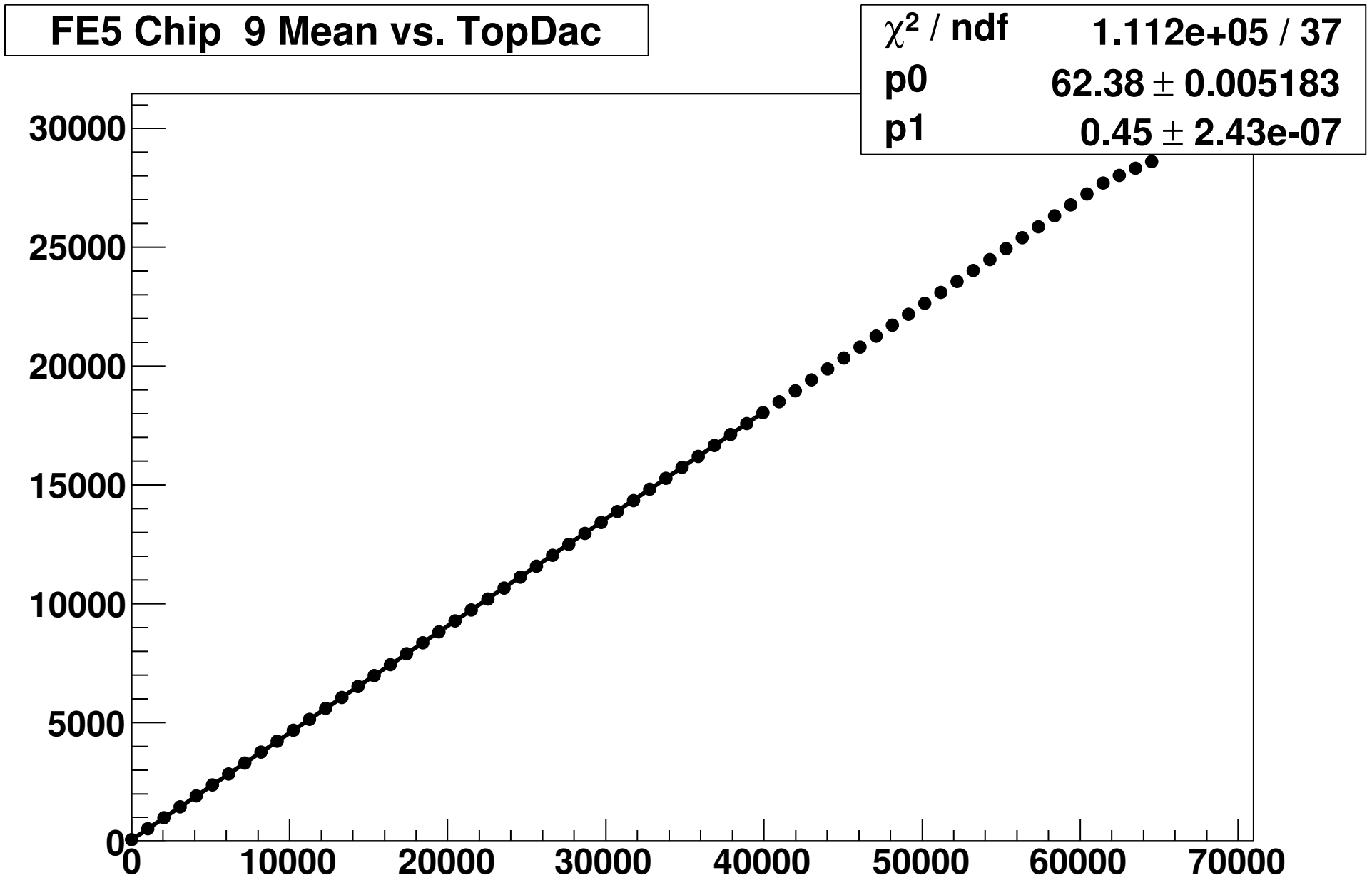

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 49.97 / 37
p0 1.474 ± 0.001773
p1 6.034e-13 ± 1.943e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

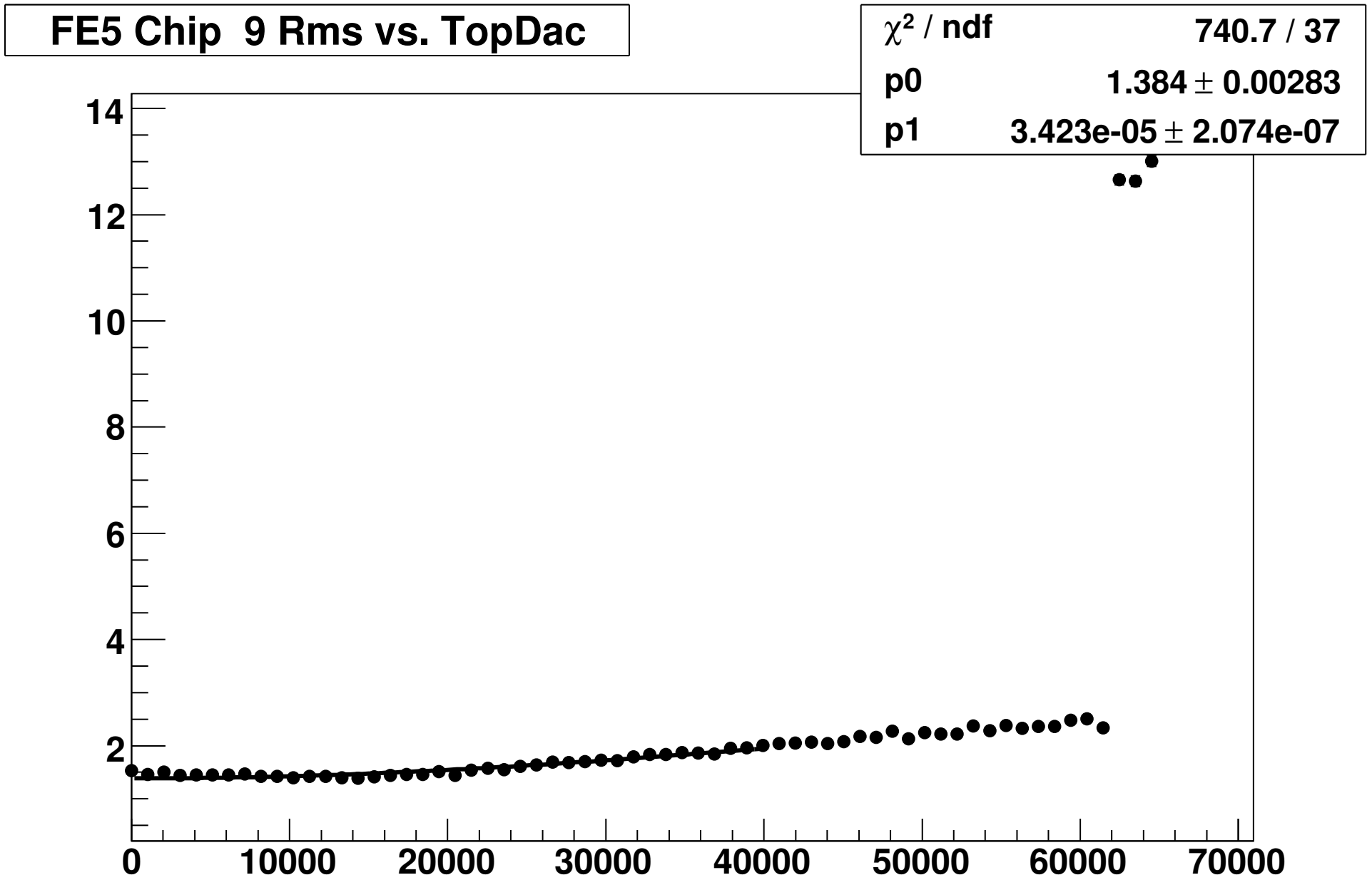

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.307e+05 / 37
p0 58.1 ± 0.005125
p1 0.4501 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

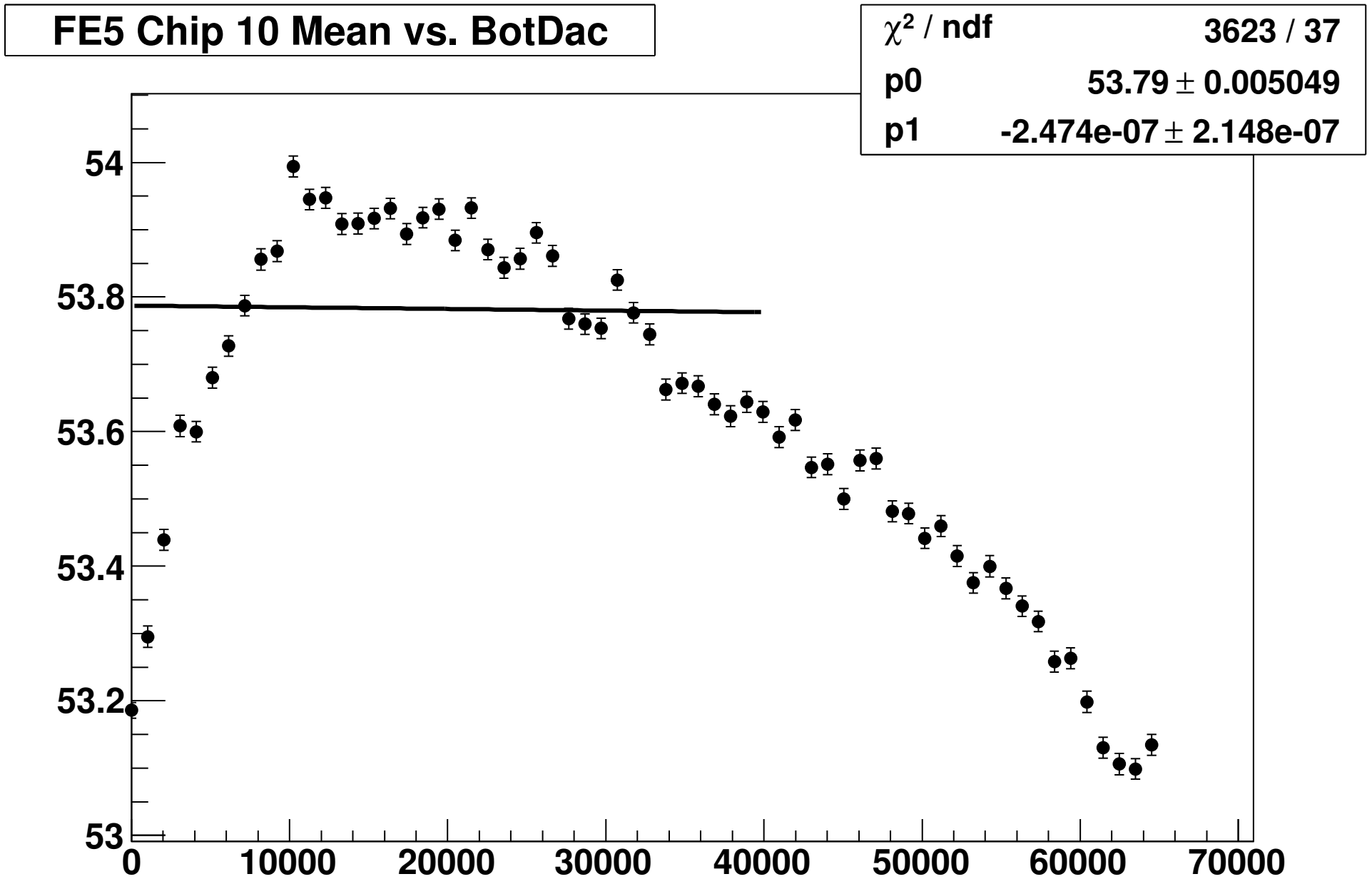

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 835.9 / 37
p0 1.364 ± 0.002806
p1 3.476e-05 ± 2.023e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

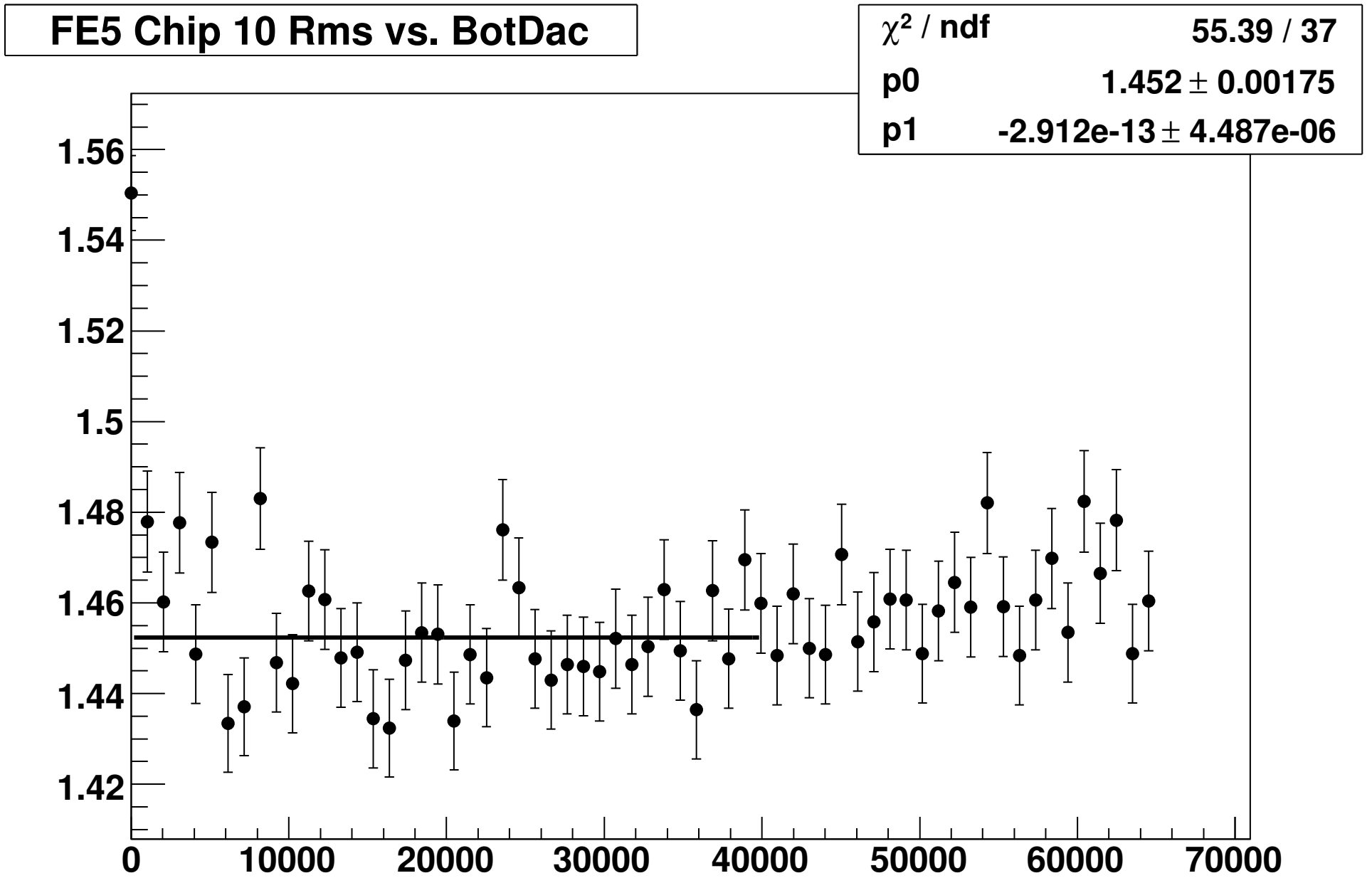

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 3205 / 37
p0 63.12 ± 0.005049
p1 -1.196e-06 ± 2.145e-07
63.4
63.2
63
62.8
62.6
62.4
0
10000
20000
30000
40000
50000
60000
70000

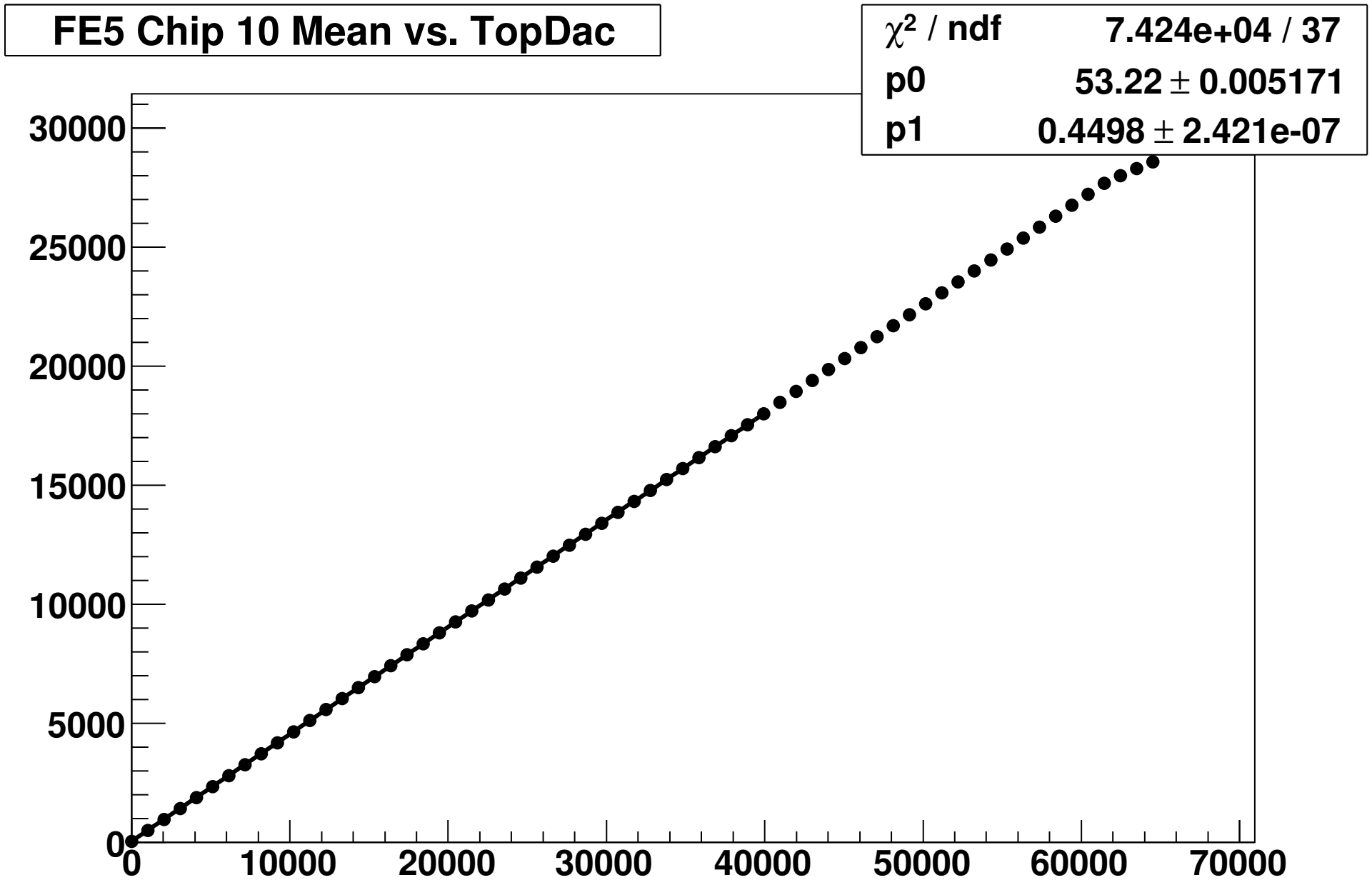

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 50.36 / 37
p0 1.457 ± 0.001756
p1 -4.503e-14 ± 1.961e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

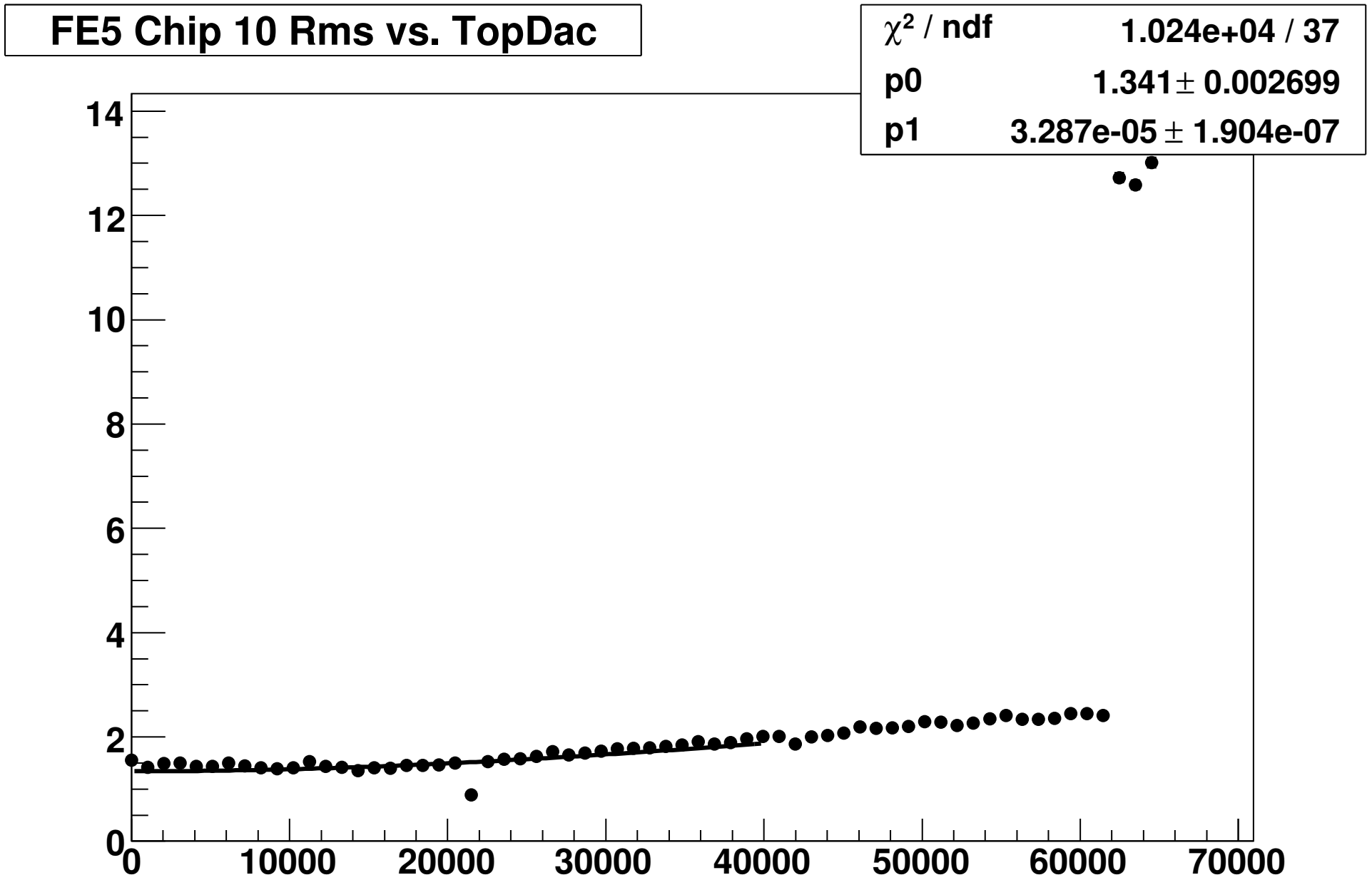

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.112e+05 / 37
p0 62.38 ± 0.005183
p1 0.45 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

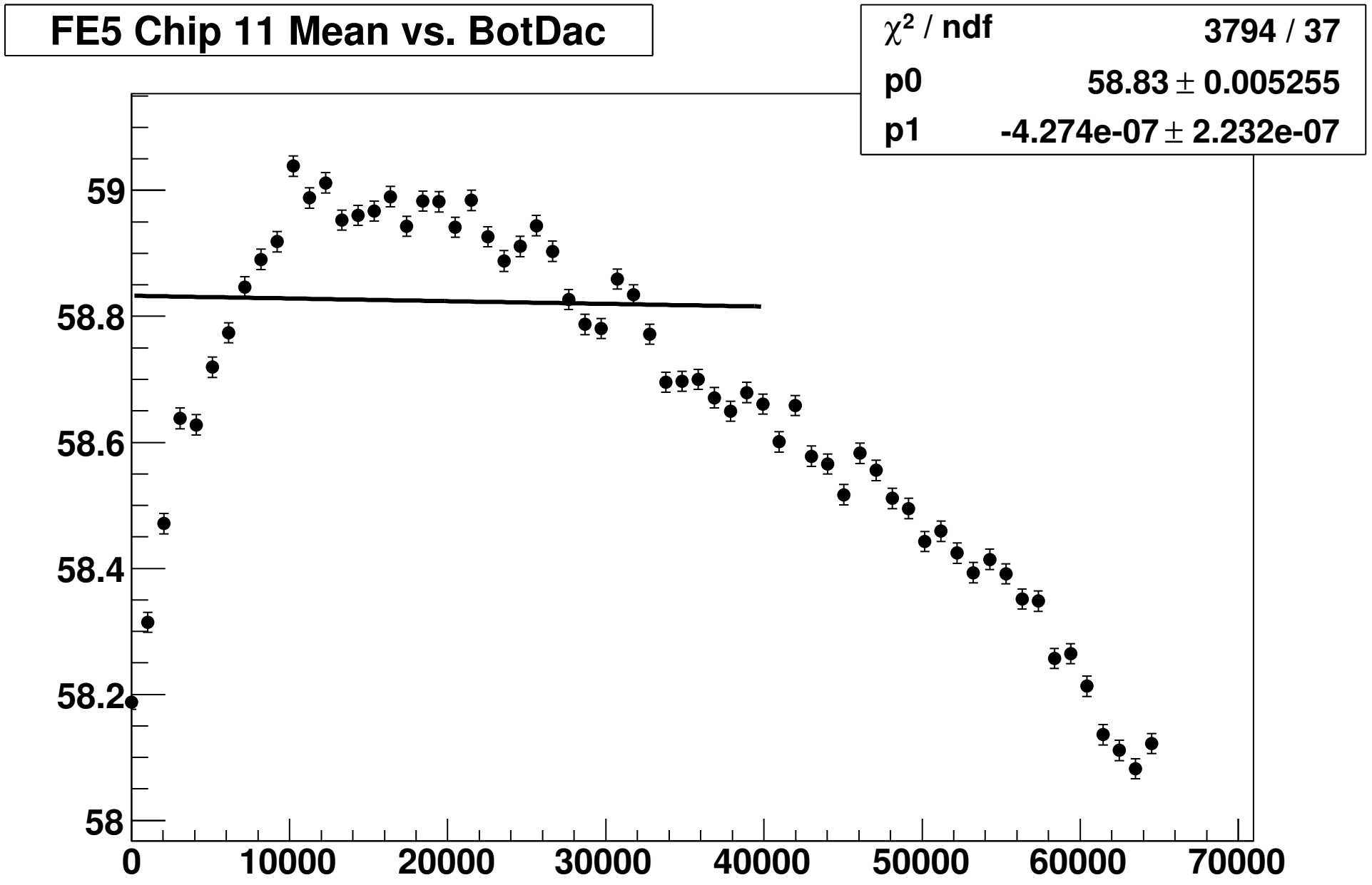

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 740.7 / 37
p0 1.384 ± 0.00283
p1 3.423e-05 ± 2.074e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

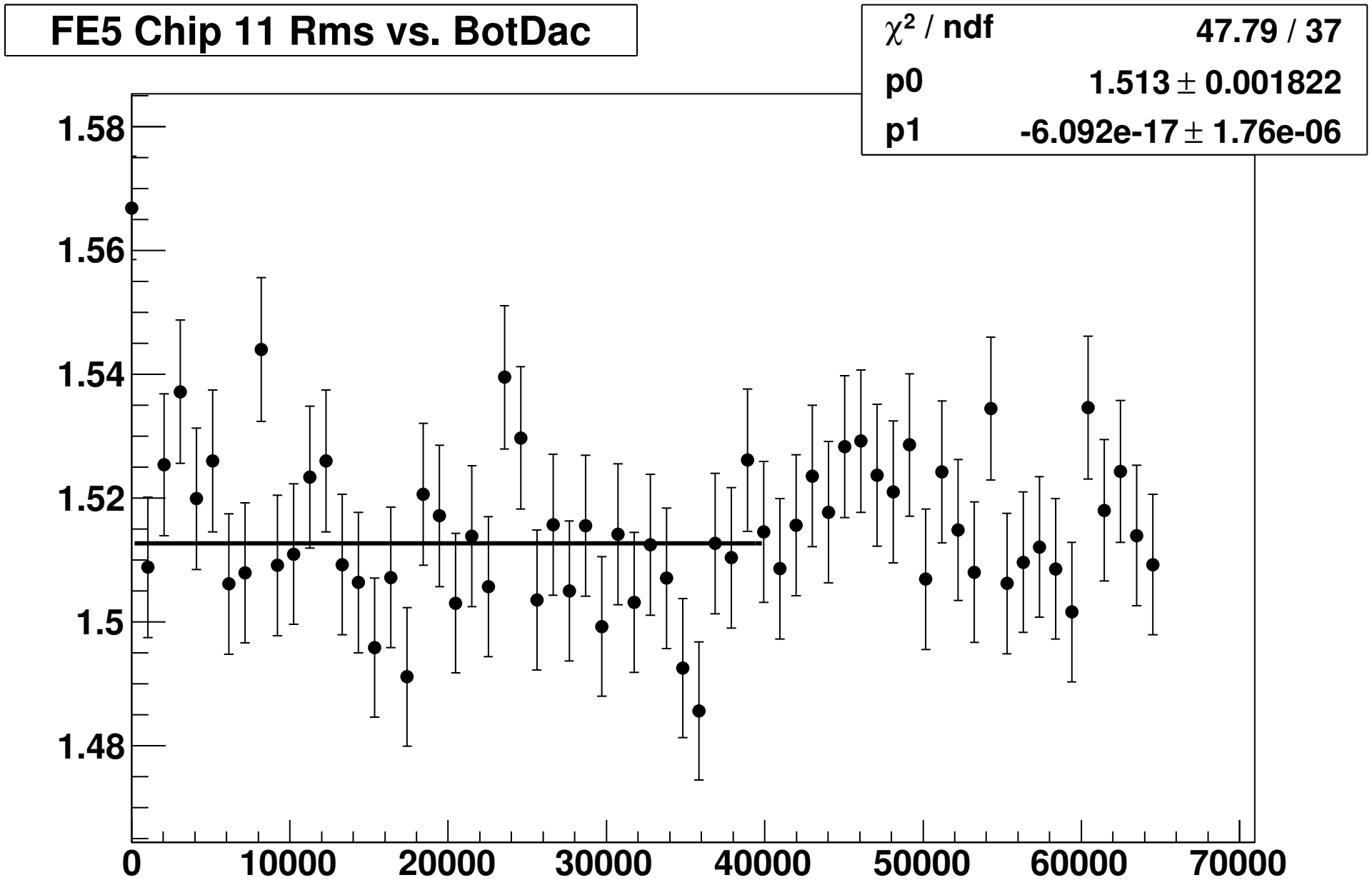

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 3623 / 37
p0 53.79 ± 0.005049
p1 -2.474e-07 ± 2.148e-07
54
53.8
53.6
53.4
53.2
53
0
10000
20000
30000
40000
50000
60000
70000

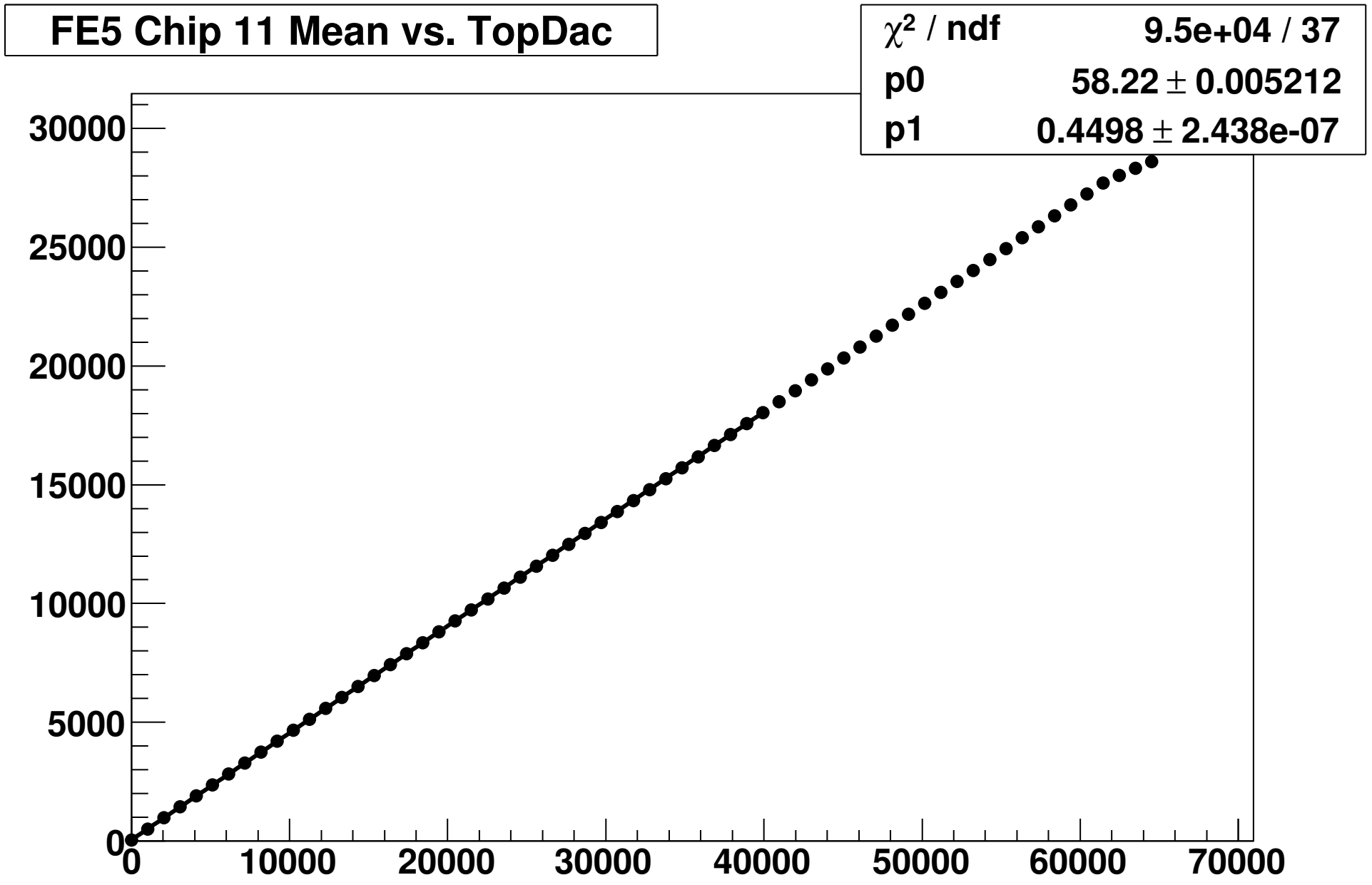

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 55.39 / 37
p0 1.452 ± 0.00175
p1 -2.912e-13 ± 4.487e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

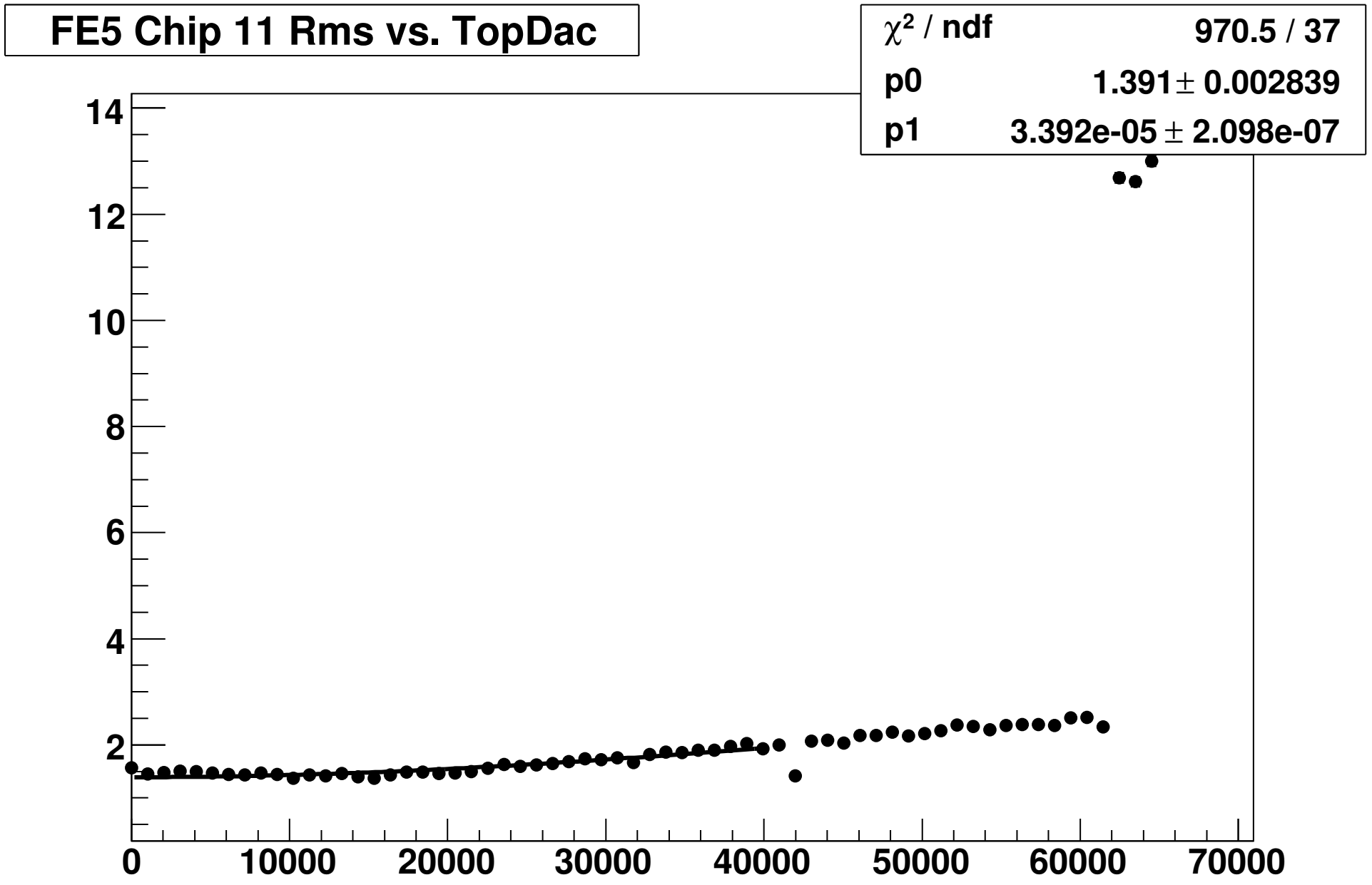

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 7.424e+04 / 37
p0 53.22 ± 0.005171
p1 0.4498 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

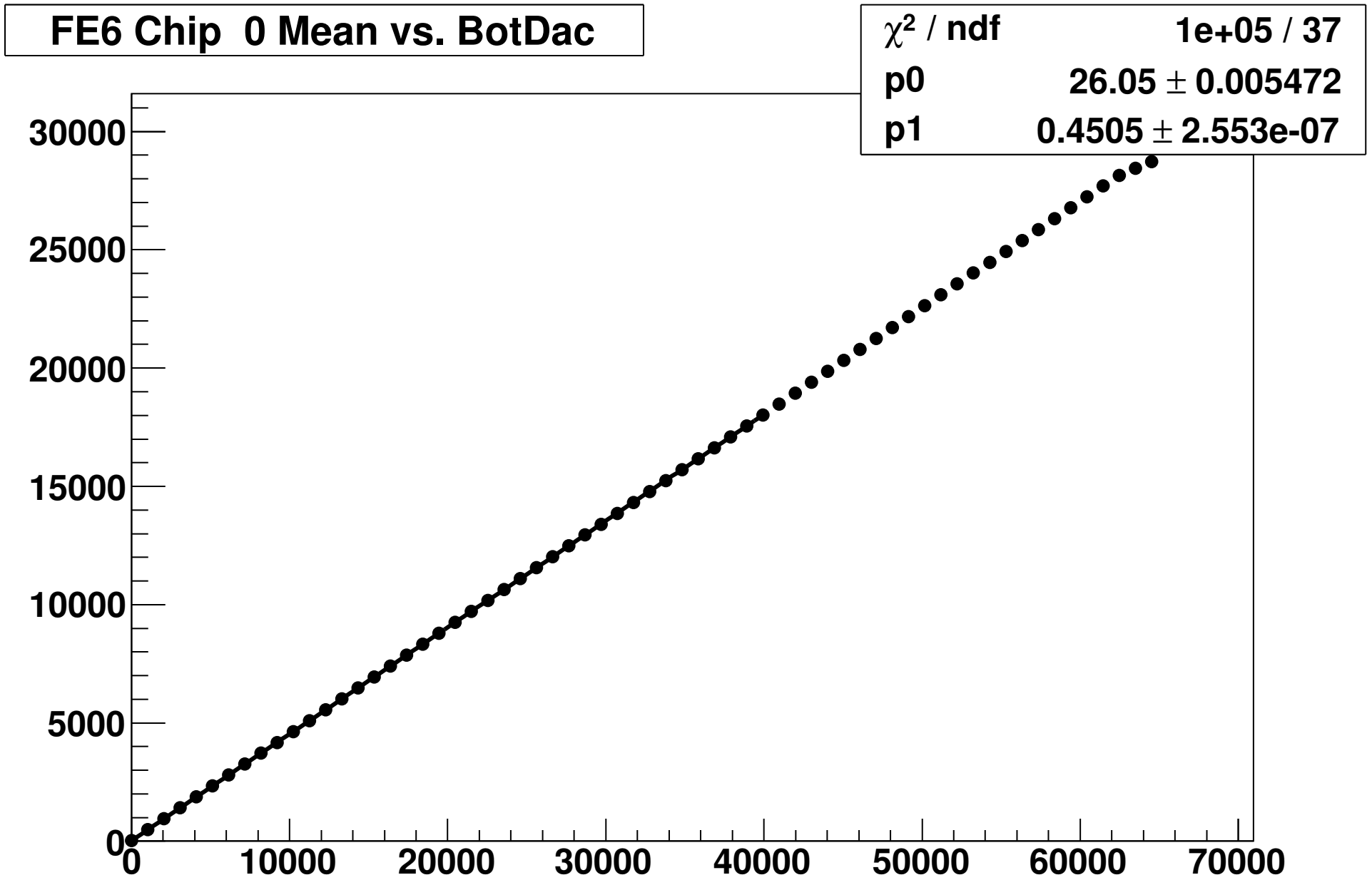

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1.024e+04 / 37
p0 1.341 ± 0.002699
p1 3.287e-05 ± 1.904e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

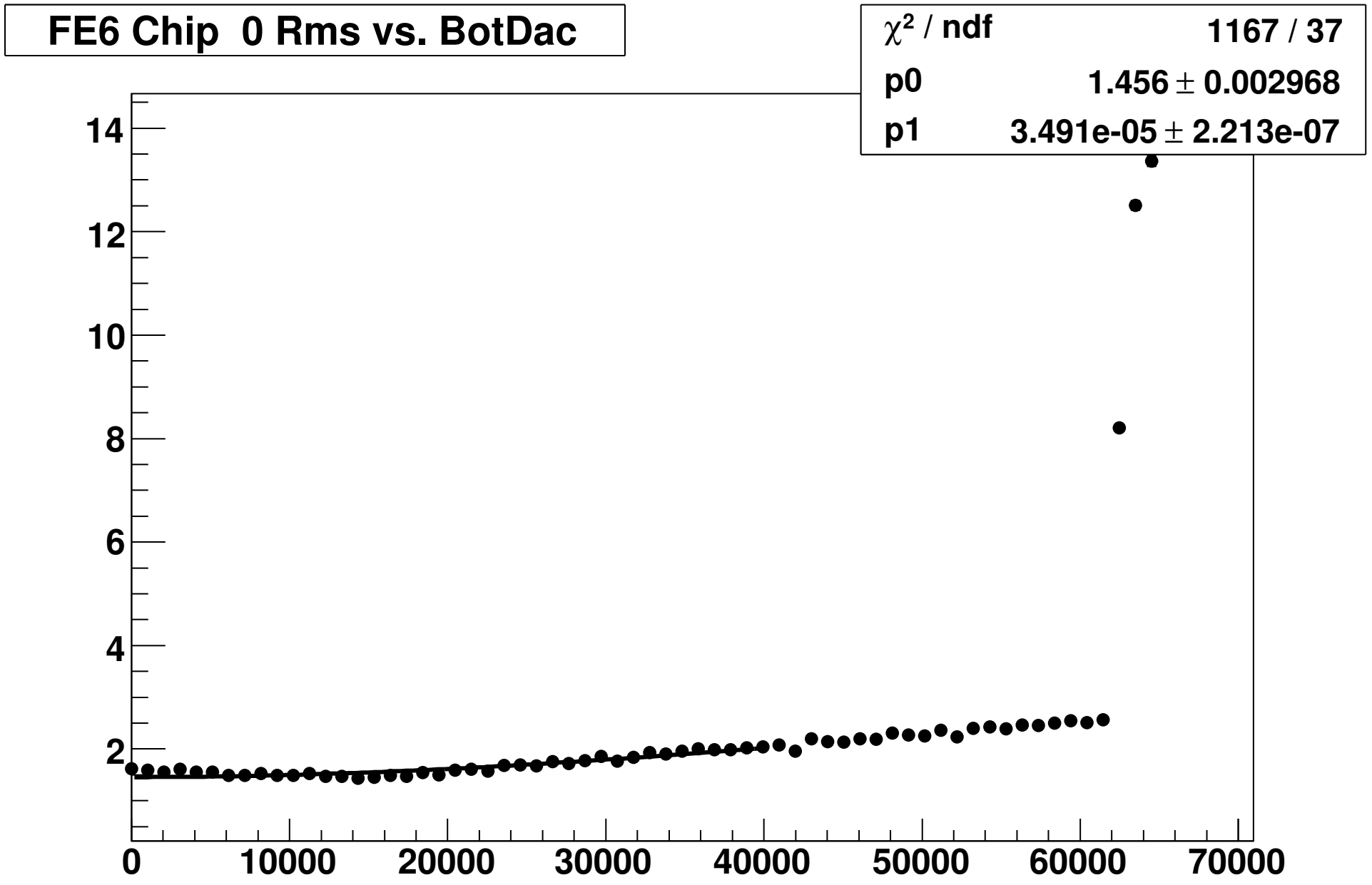

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 3794 / 37
p0 58.83 ± 0.005255
p1 -4.274e-07 ± 2.232e-07
59
58.8
58.6
58.4
58.2
58
0
10000
20000
30000
40000
50000
60000
70000

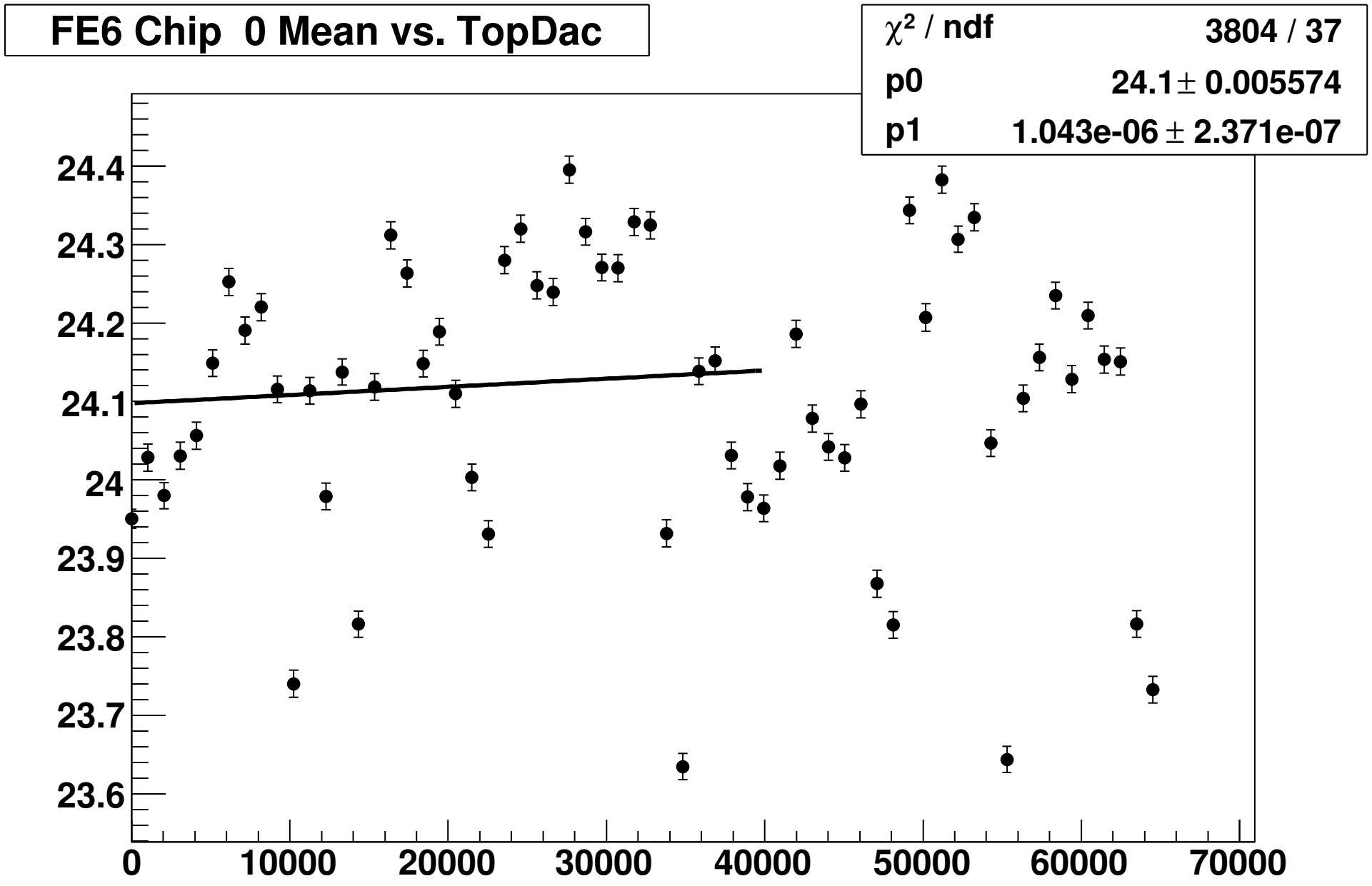

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 47.79 / 37
p0 1.513 ± 0.001822
p1 -6.092e-17 ± 1.76e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

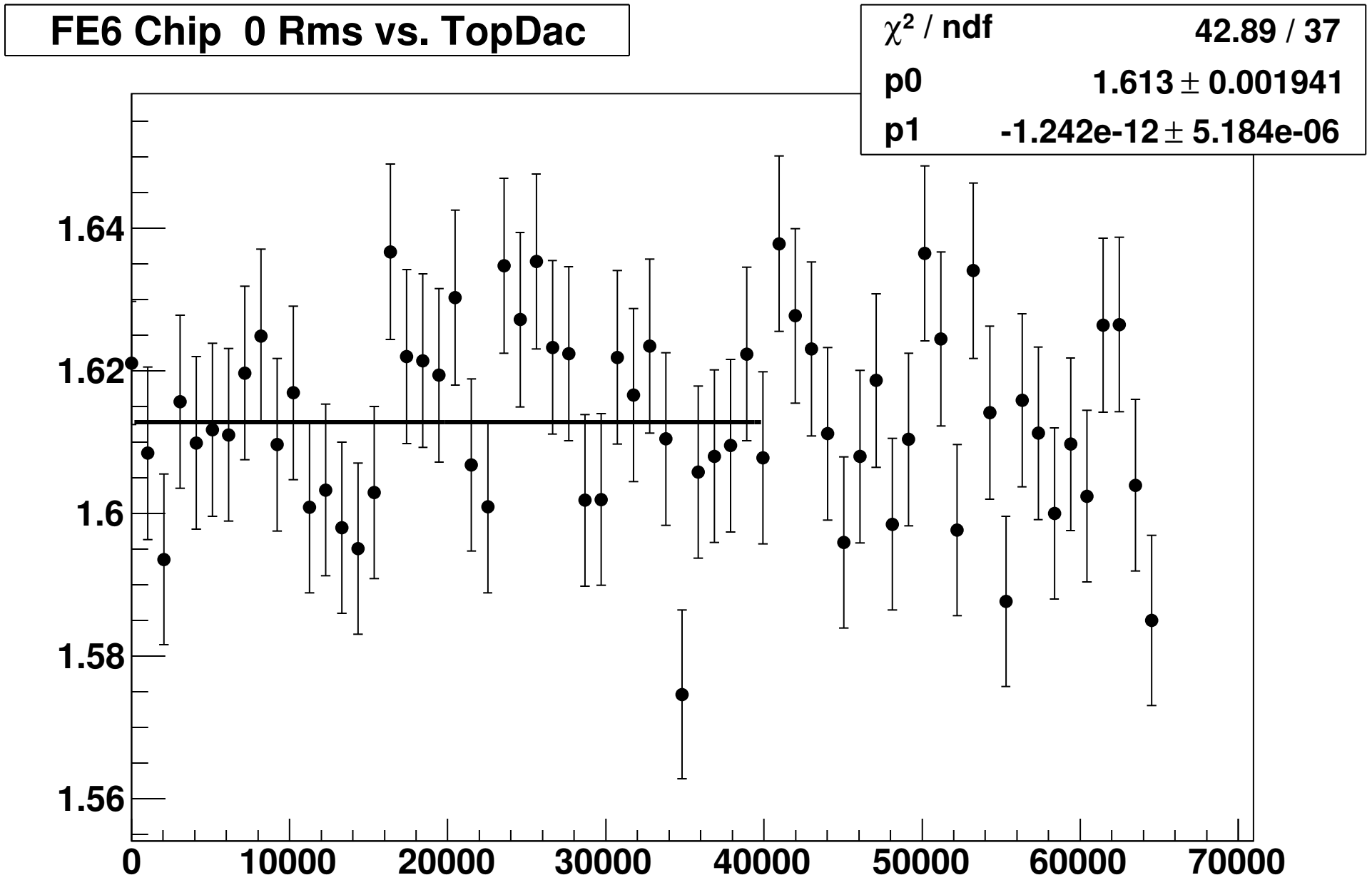

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 9.5e+04 / 37
p0 58.22 ± 0.005212
p1 0.4498 ± 2.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

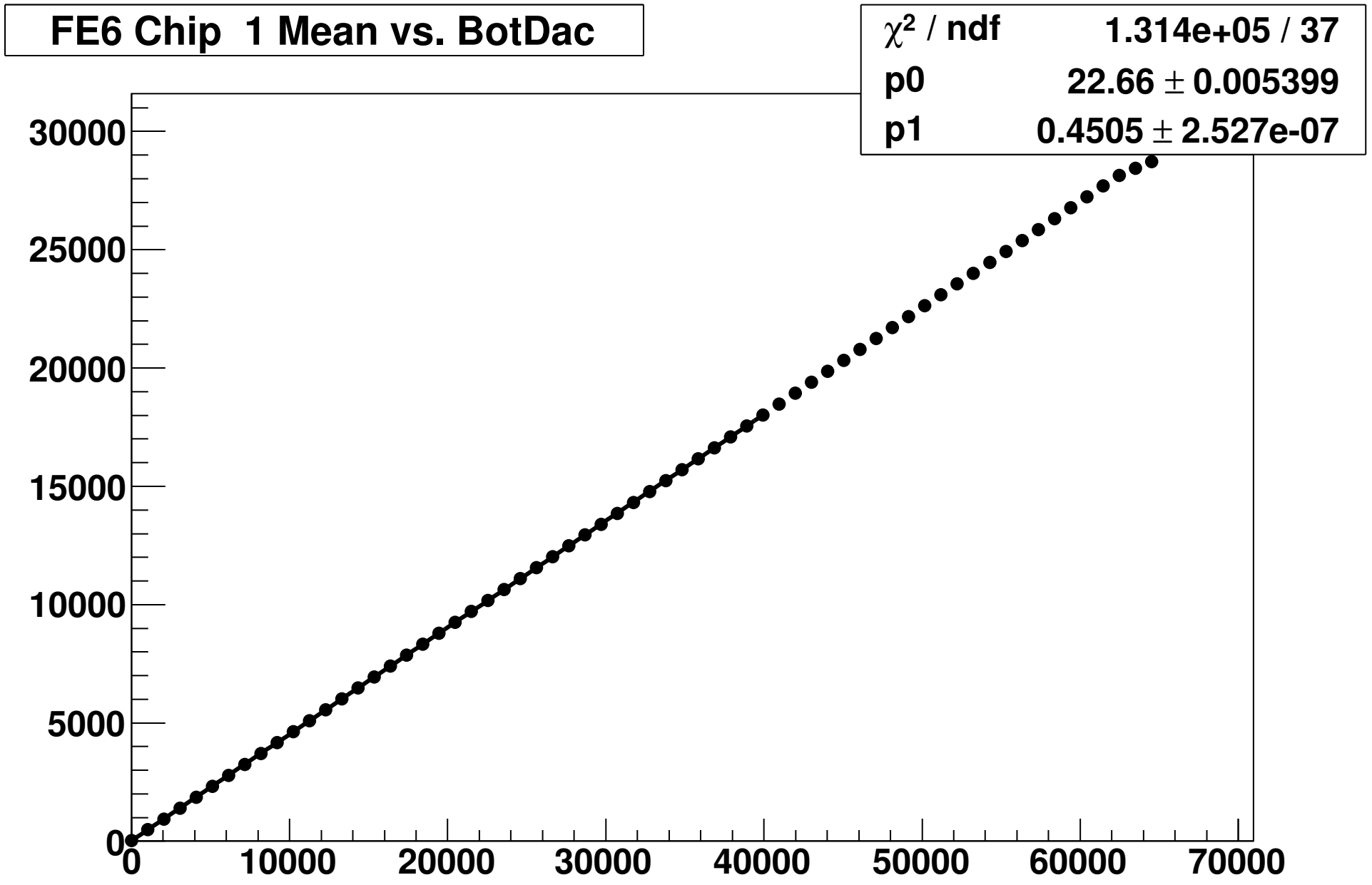

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 970.5 / 37
p0 1.391 ± 0.002839
p1 3.392e-05 ± 2.098e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

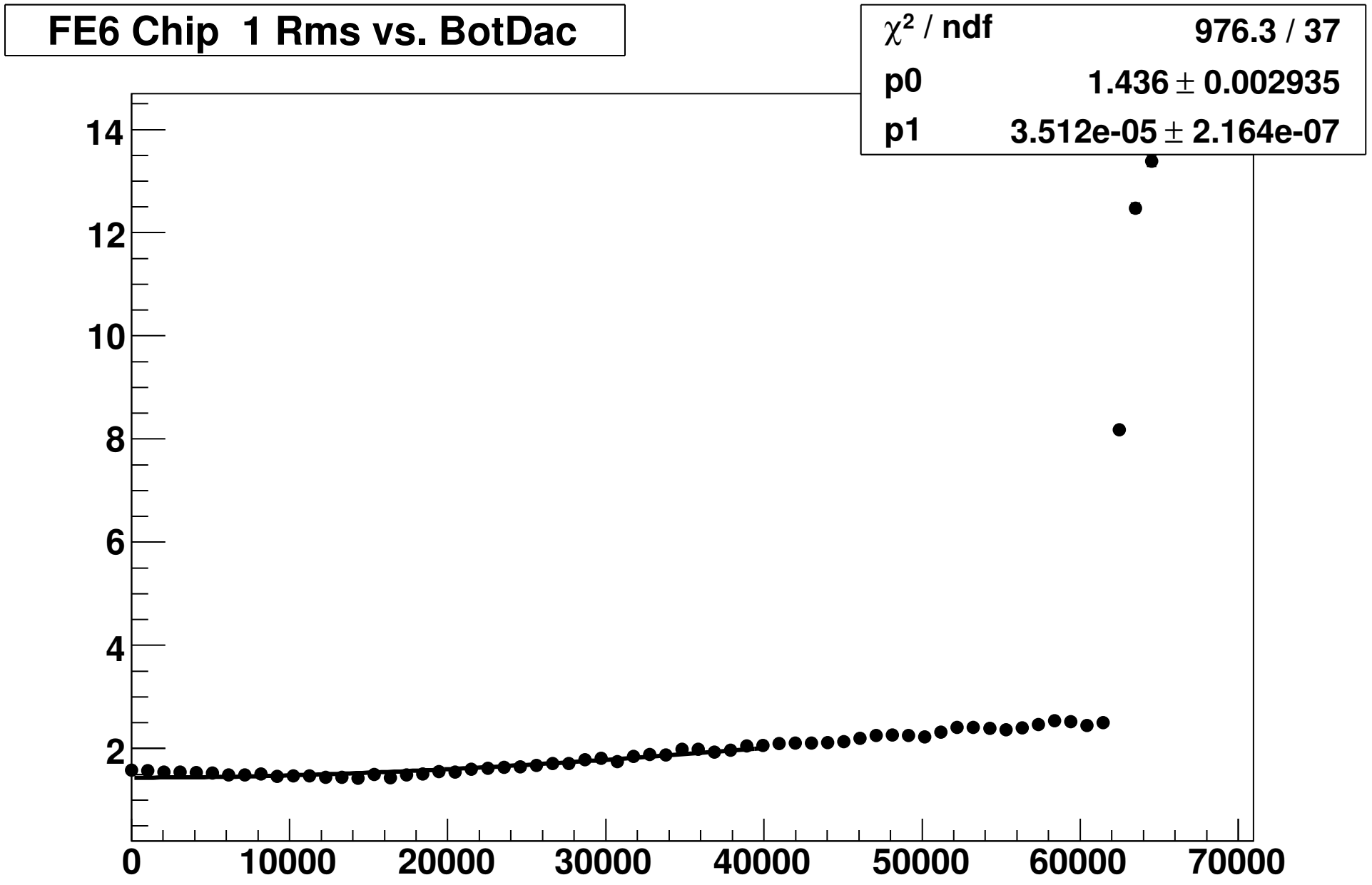

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1e+05 / 37
p0 26.05 ± 0.005472
p1 0.4505 ± 2.553e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

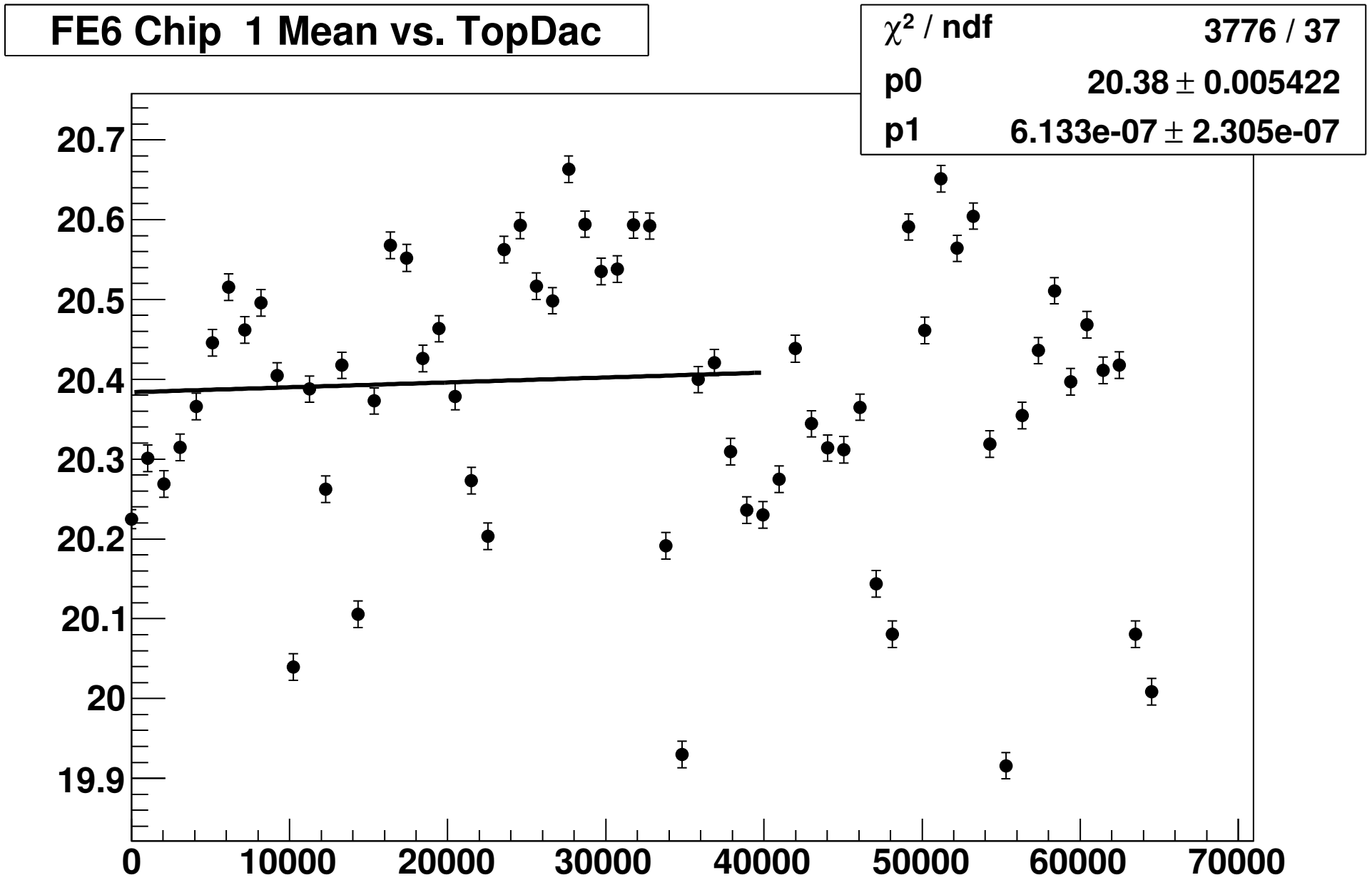

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 1167 / 37
p0 1.456 ± 0.002968
p1 3.491e-05 ± 2.213e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

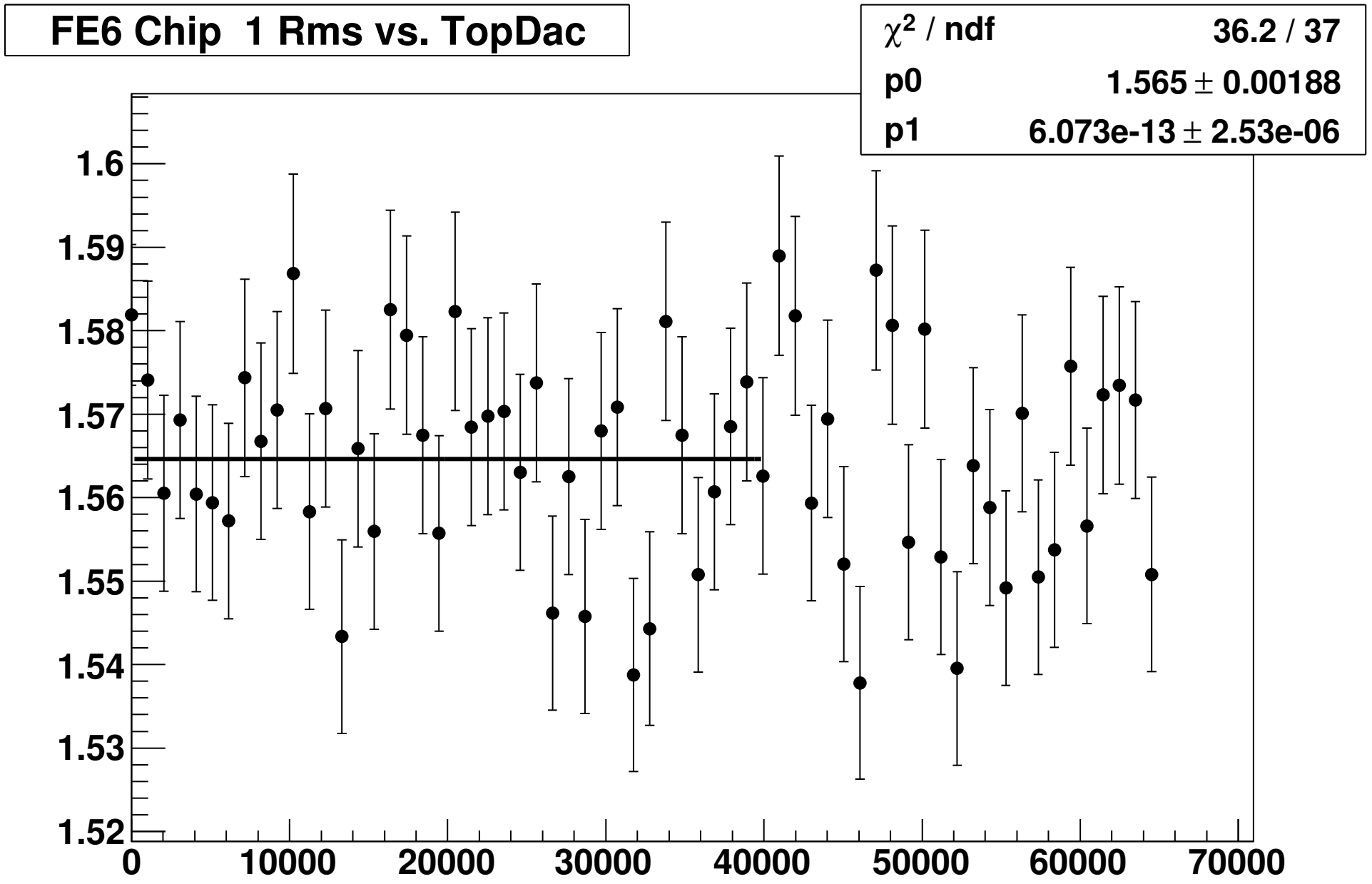

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 3804 / 37
p0 24.1 ± 0.005574
p1 1.043e-06 ± 2.371e-07
24.4
24.3
24.2
24.1
24
23.9
23.8
23.7
23.6
0
10000
20000
30000
40000
50000
60000
70000

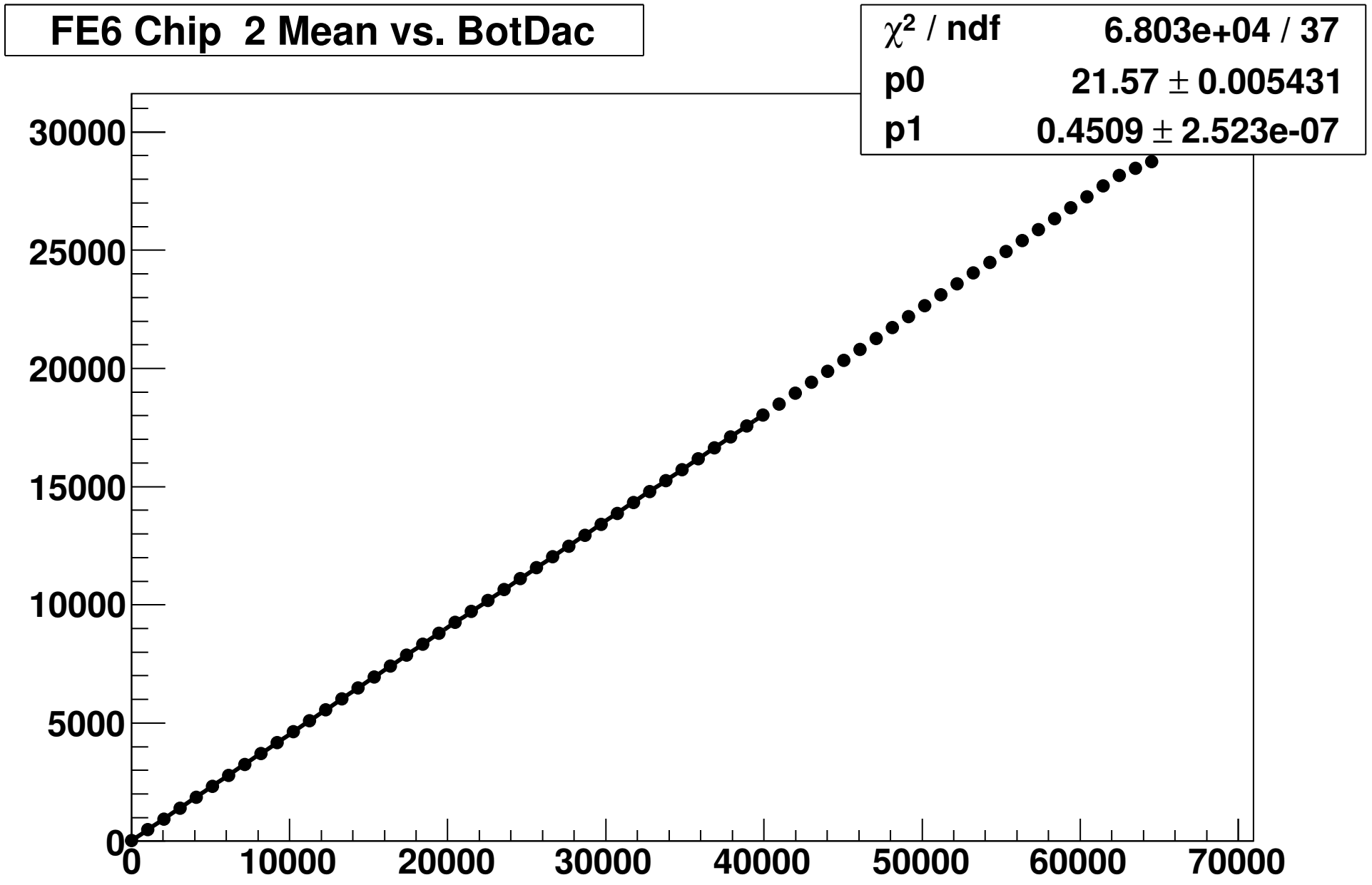

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 42.89 / 37
p0 1.613 ± 0.001941
p1 -1.242e-12 ± 5.184e-06
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000
70000

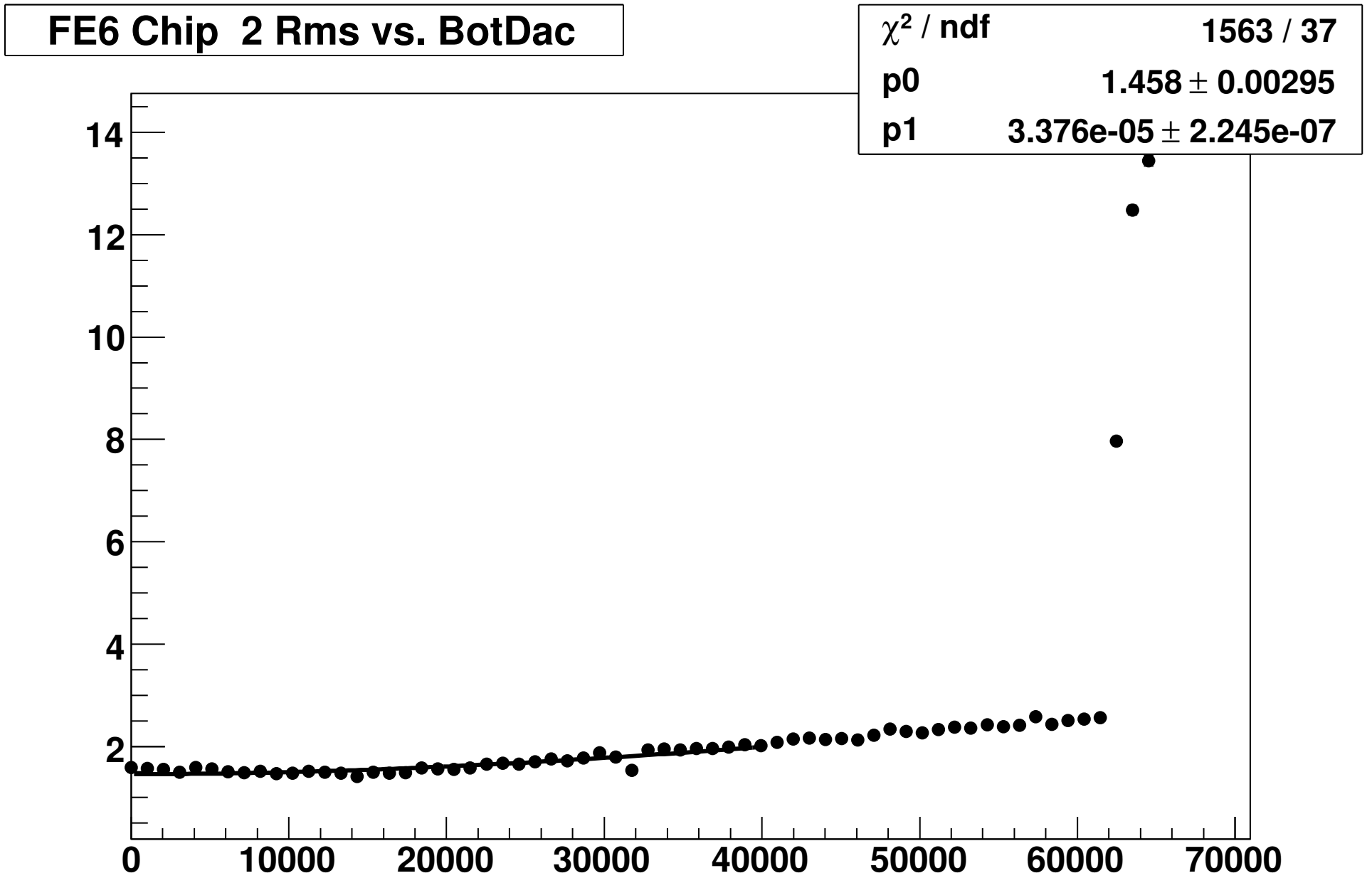

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.314e+05 / 37
p0 22.66 ± 0.005399
p1 0.4505 ± 2.527e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

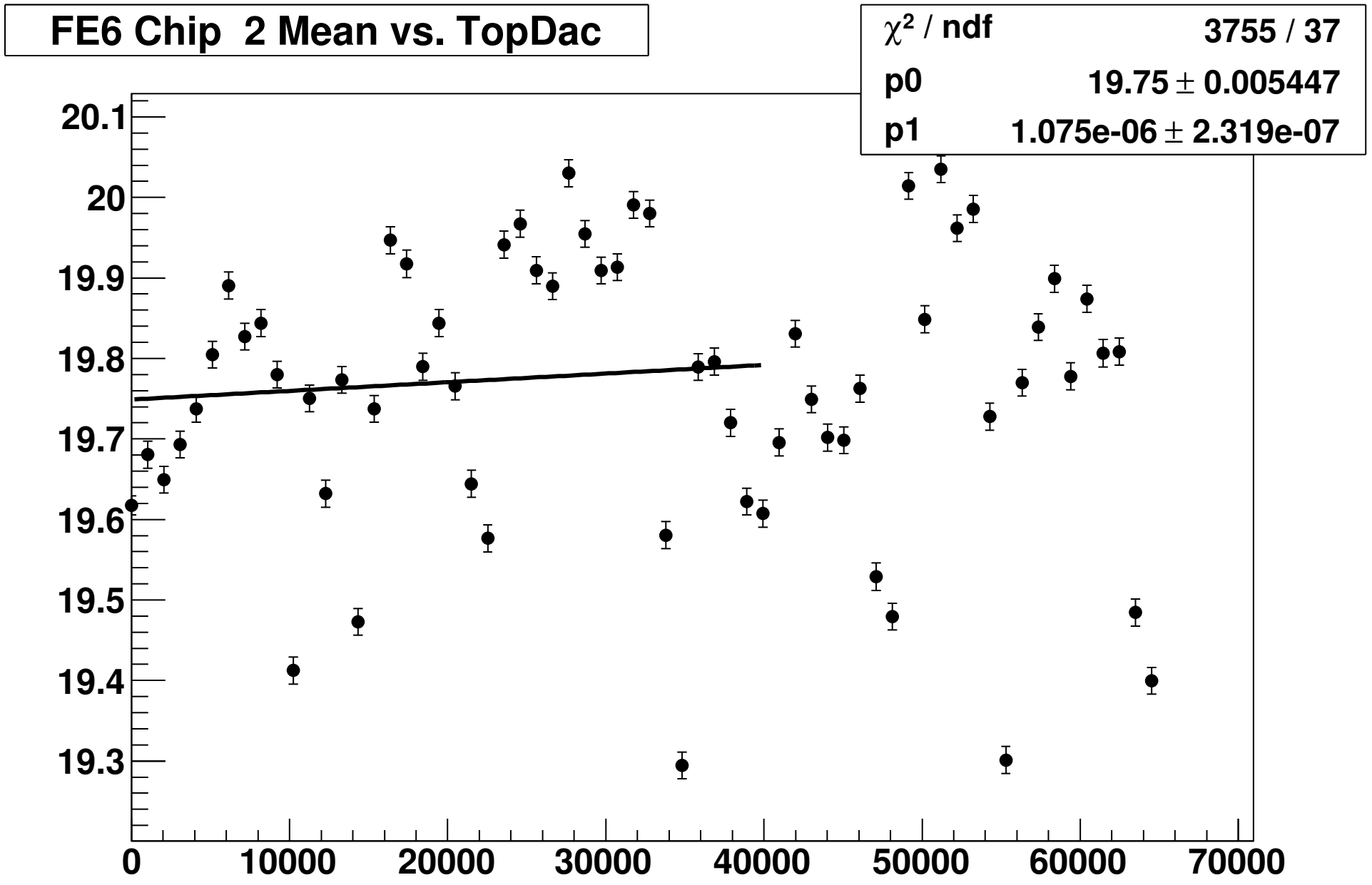

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 976.3 / 37
p0 1.436 ± 0.002935
p1 3.512e-05 ± 2.164e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

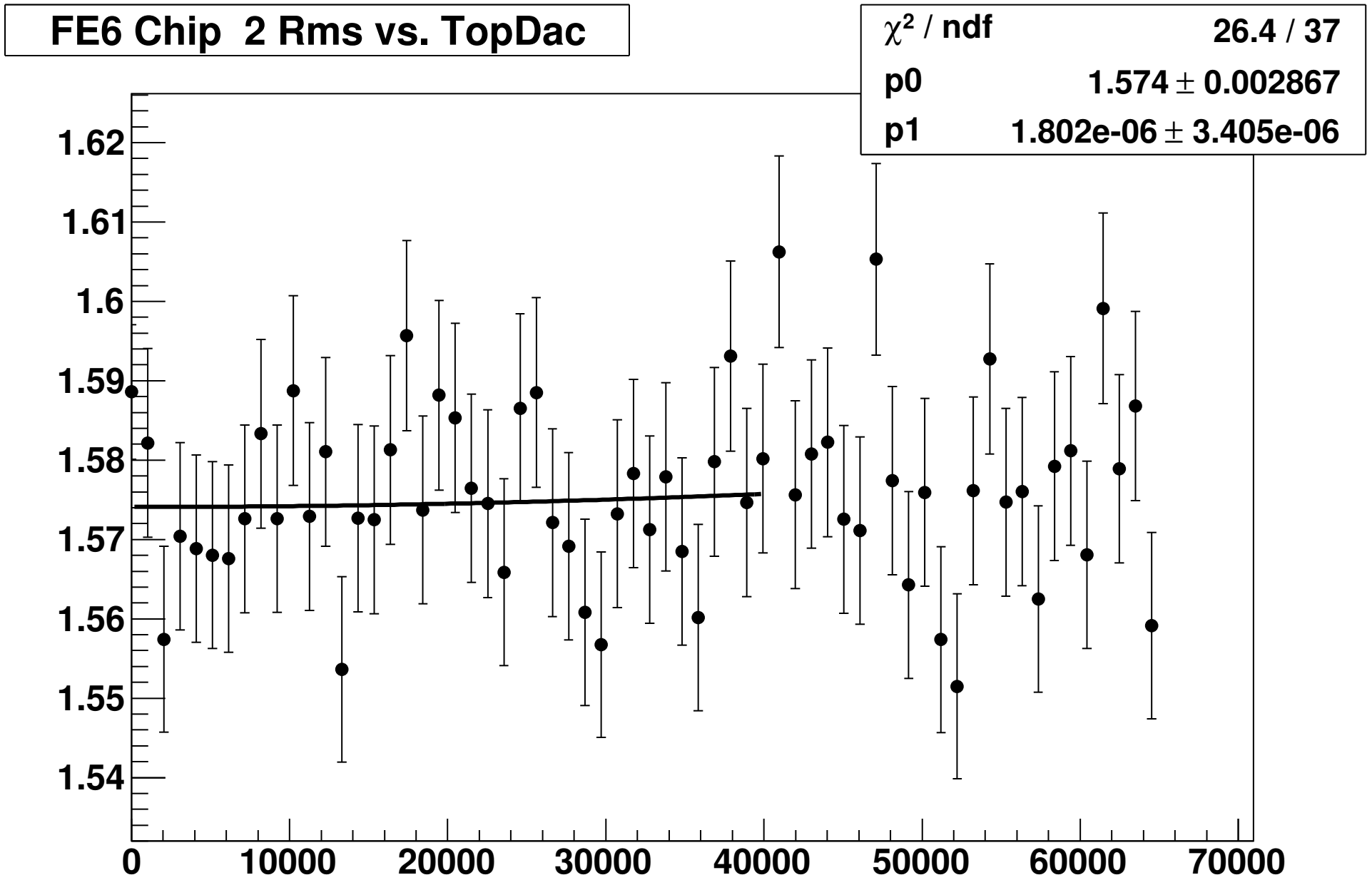

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 3776 / 37
p0 20.38 ± 0.005422
p1 6.133e-07 ± 2.305e-07
20.7
20.6
20.5
20.4
20.3
20.2
20.1
20
19.9
0
10000
20000
30000
40000
50000
60000
70000

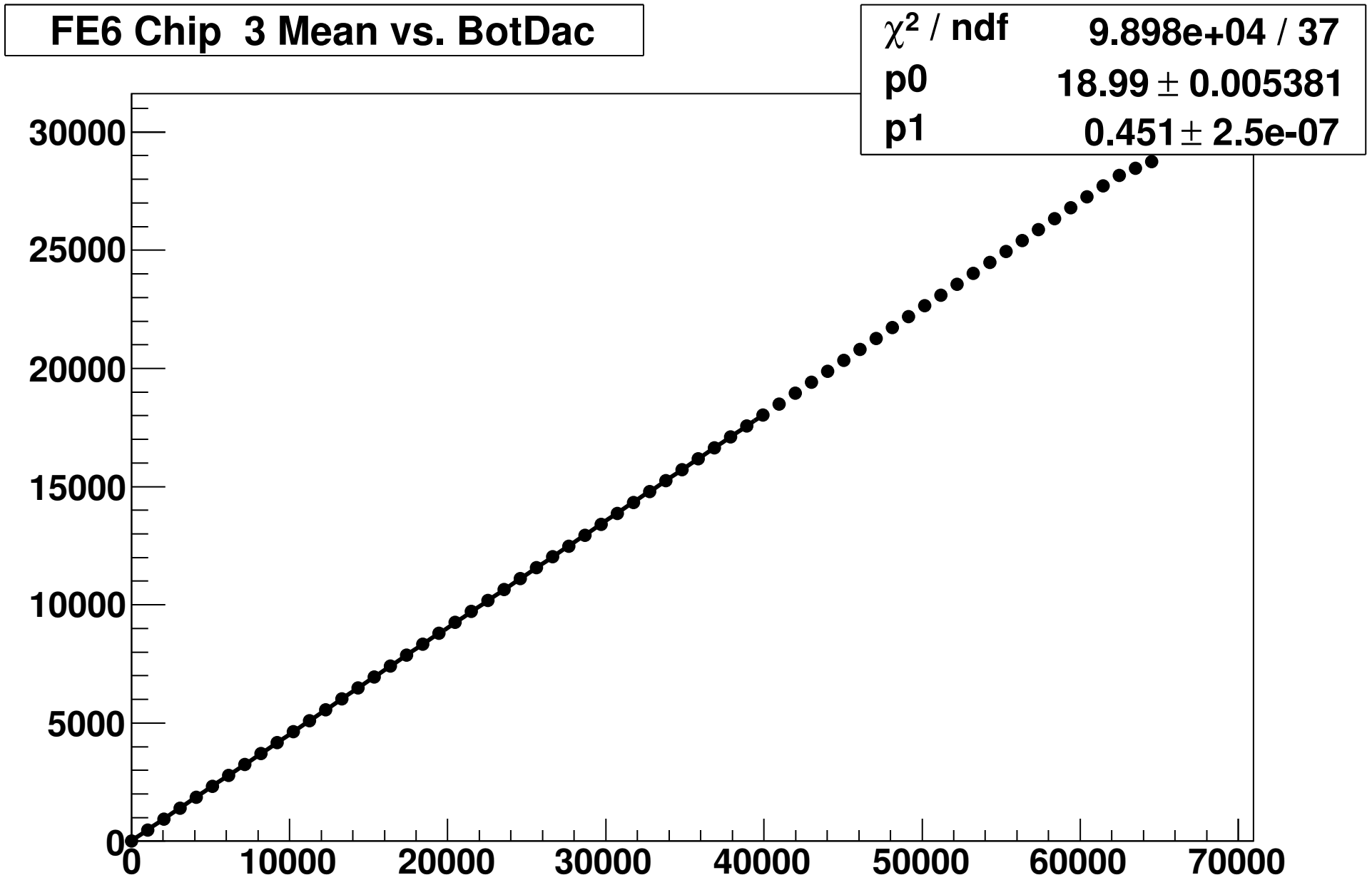

FE6 Chip 1 Rms vs. TopDac
χ² / ndf 36.2 / 37
p0 1.565 ± 0.00188
p1 6.073e-13 ± 2.53e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000

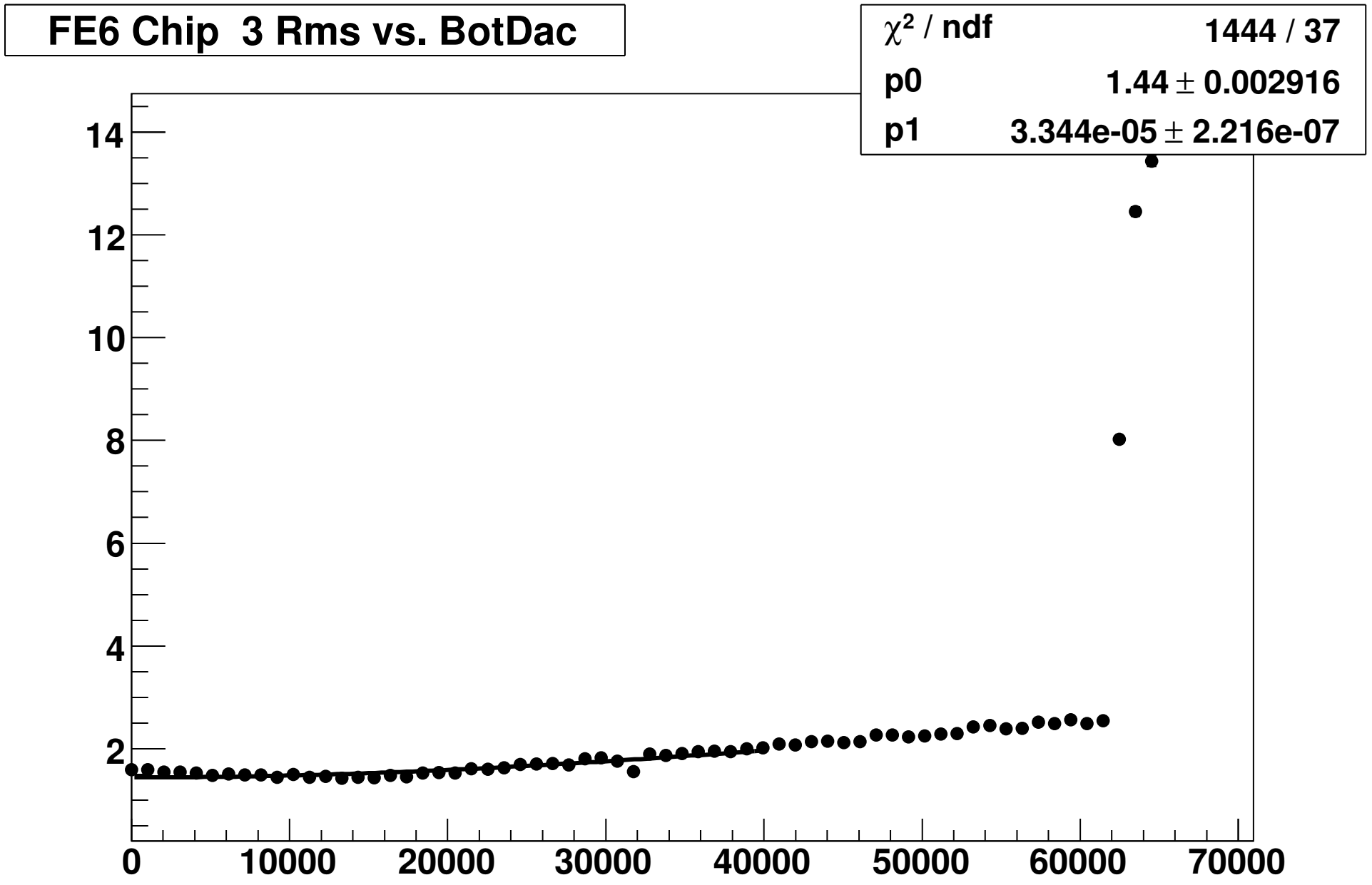

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 6.803e+04 / 37
p0 21.57 ± 0.005431
p1 0.4509 ± 2.523e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

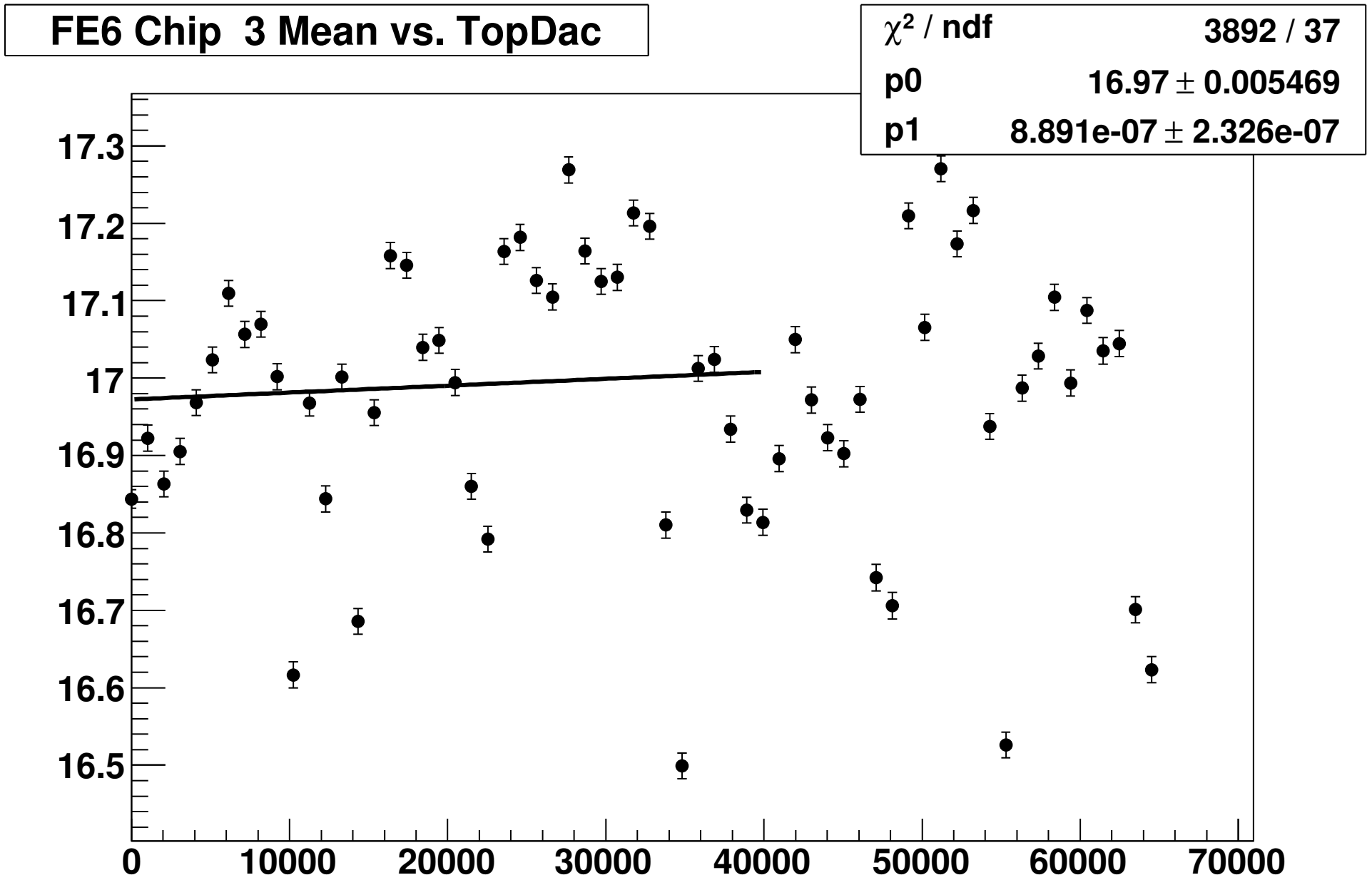

FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1563 / 37
p0 1.458 ± 0.00295
p1 3.376e-05 ± 2.245e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

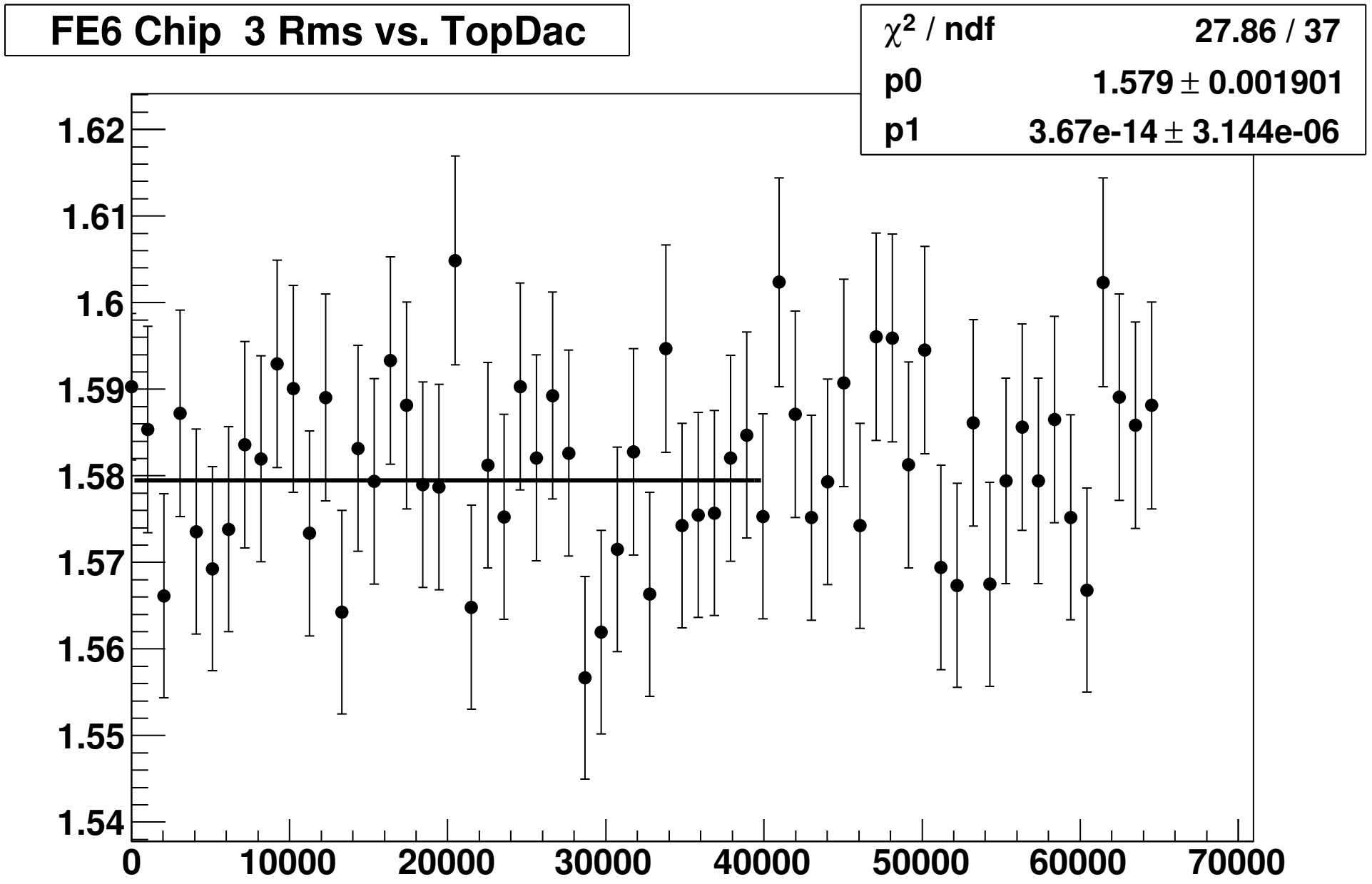

FE6 Chip 2 Mean vs. TopDac
χ² / ndf 3755 / 37
p0 19.75 ± 0.005447
p1 1.075e-06 ± 2.319e-07
20.1
20
19.9
19.8
19.7
19.6
19.5
19.4
19.3
0
10000
20000
30000
40000
50000
60000
70000

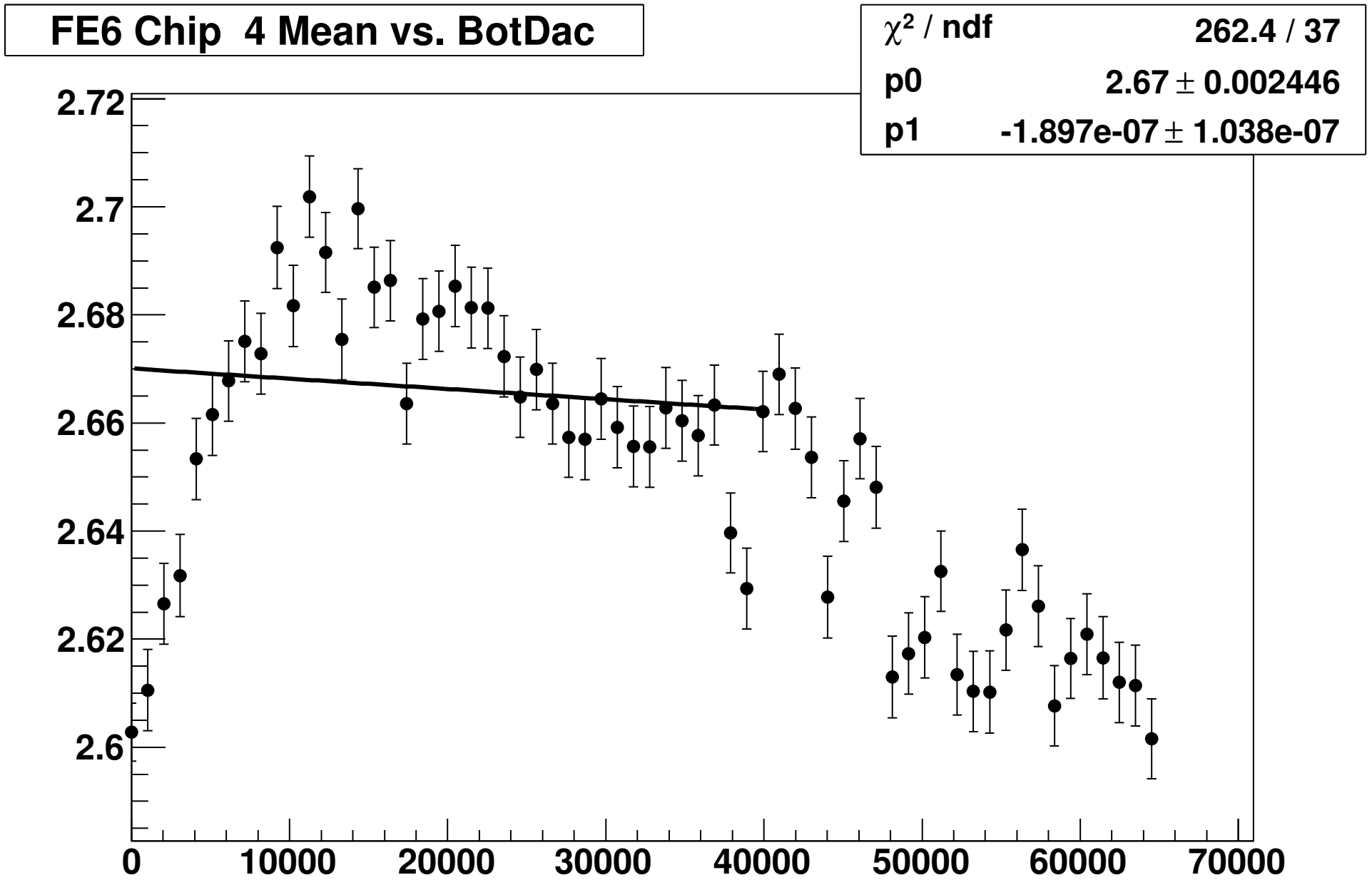

FE6 Chip 2 Rms vs. TopDac
χ² / ndf 26.4 / 37
p0 1.574 ± 0.002867
p1 1.802e-06 ± 3.405e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
70000

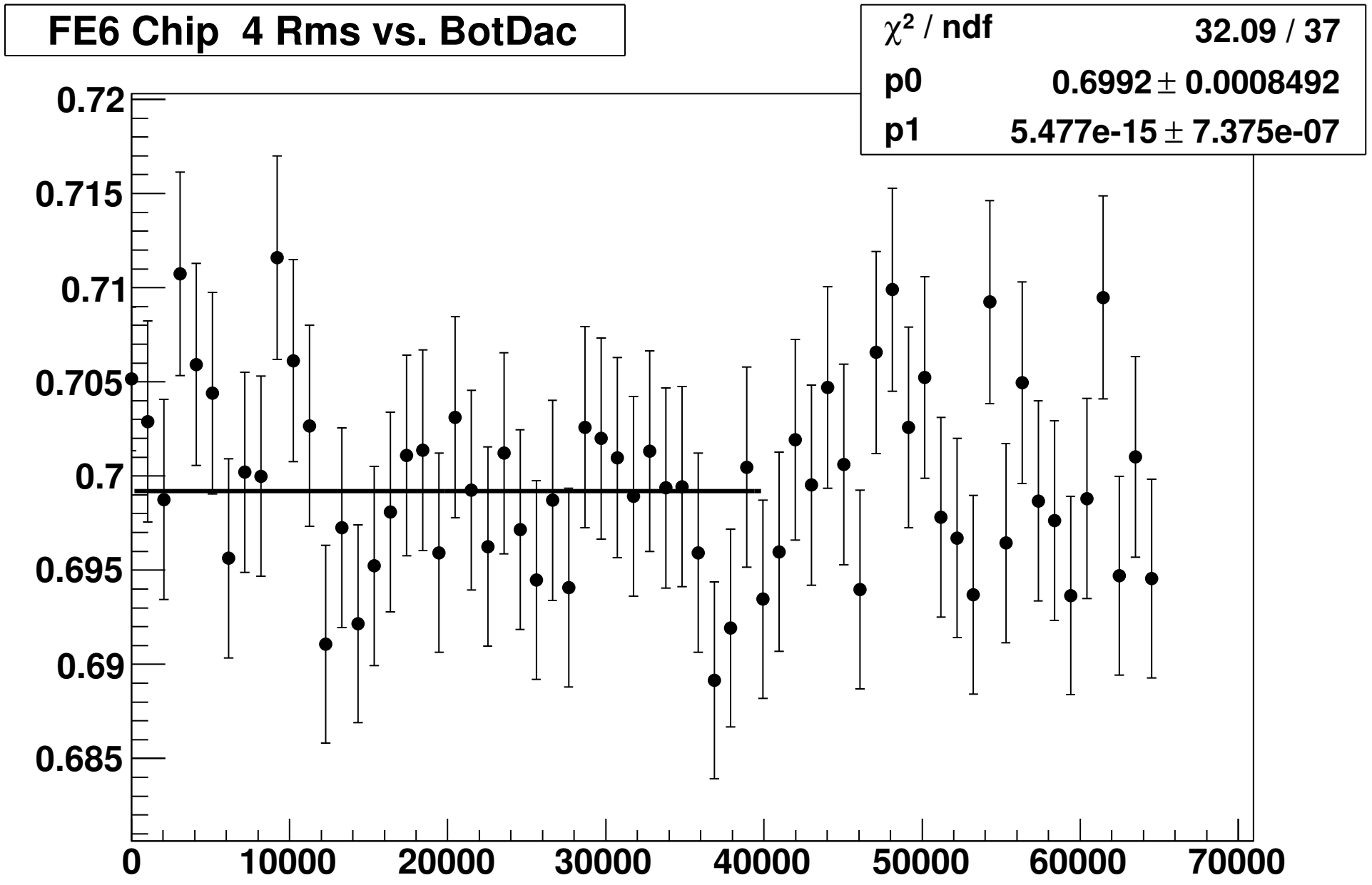

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.898e+04 / 37
p0 18.99 ± 0.005381
p1 0.451 ± 2.5e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

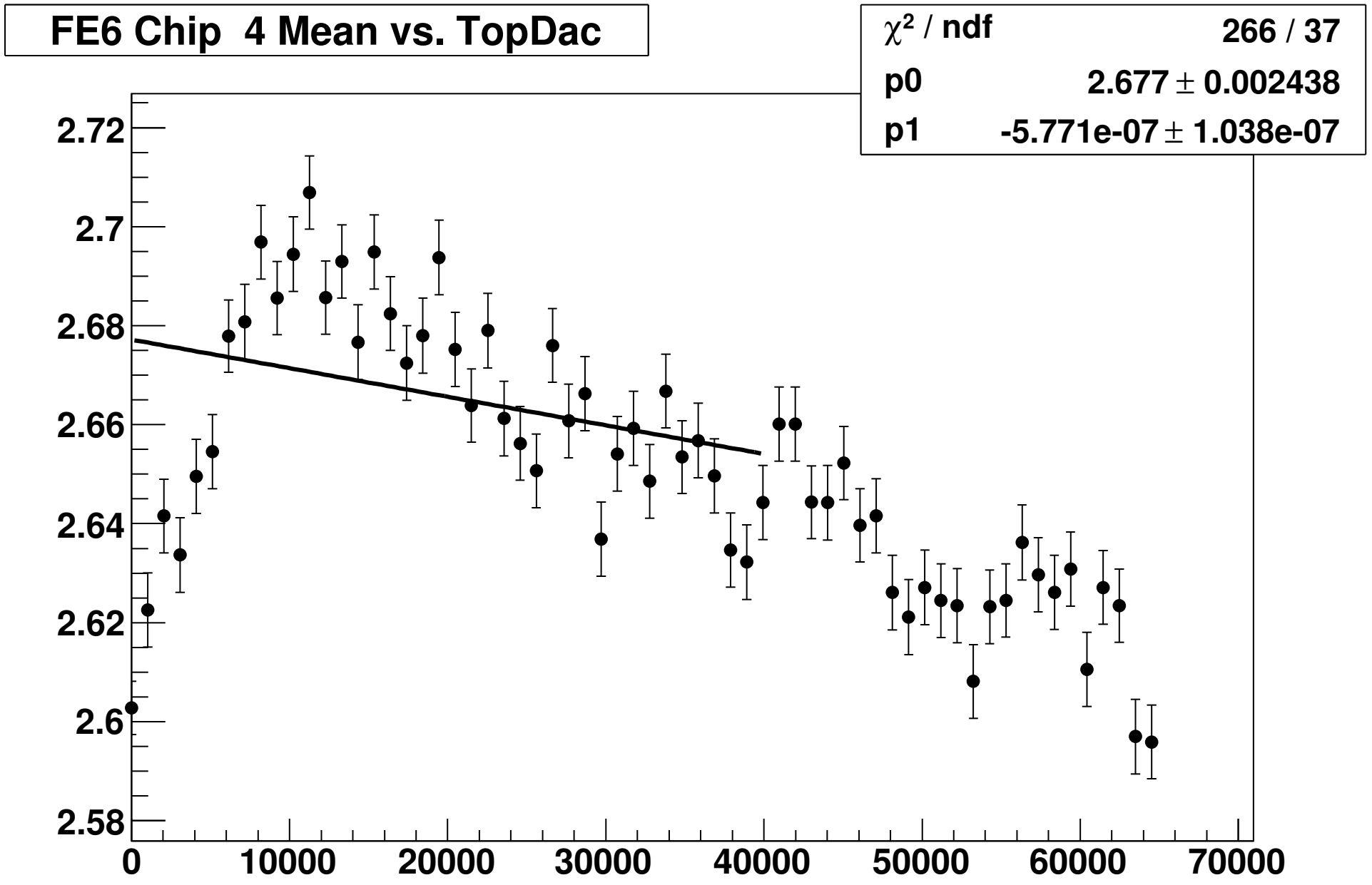

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1444 / 37
p0 1.44 ± 0.002916
p1 3.344e-05 ± 2.216e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

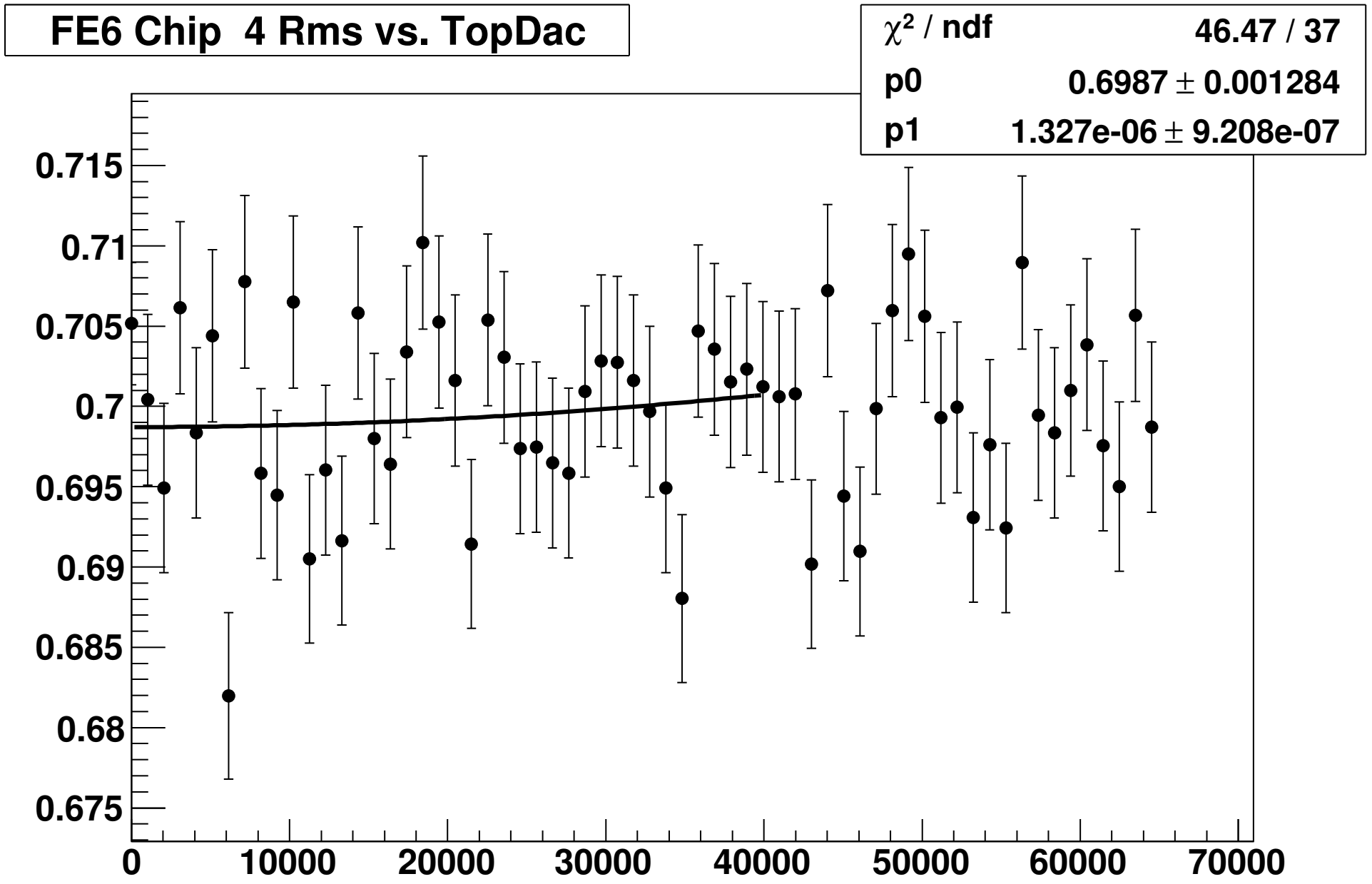

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 3892 / 37
p0 16.97 ± 0.005469
p1 8.891e-07 ± 2.326e-07
17.3
17.2
17.1
17
16.9
16.8
16.7
16.6
16.5
0
10000
20000
30000
40000
50000
60000
70000

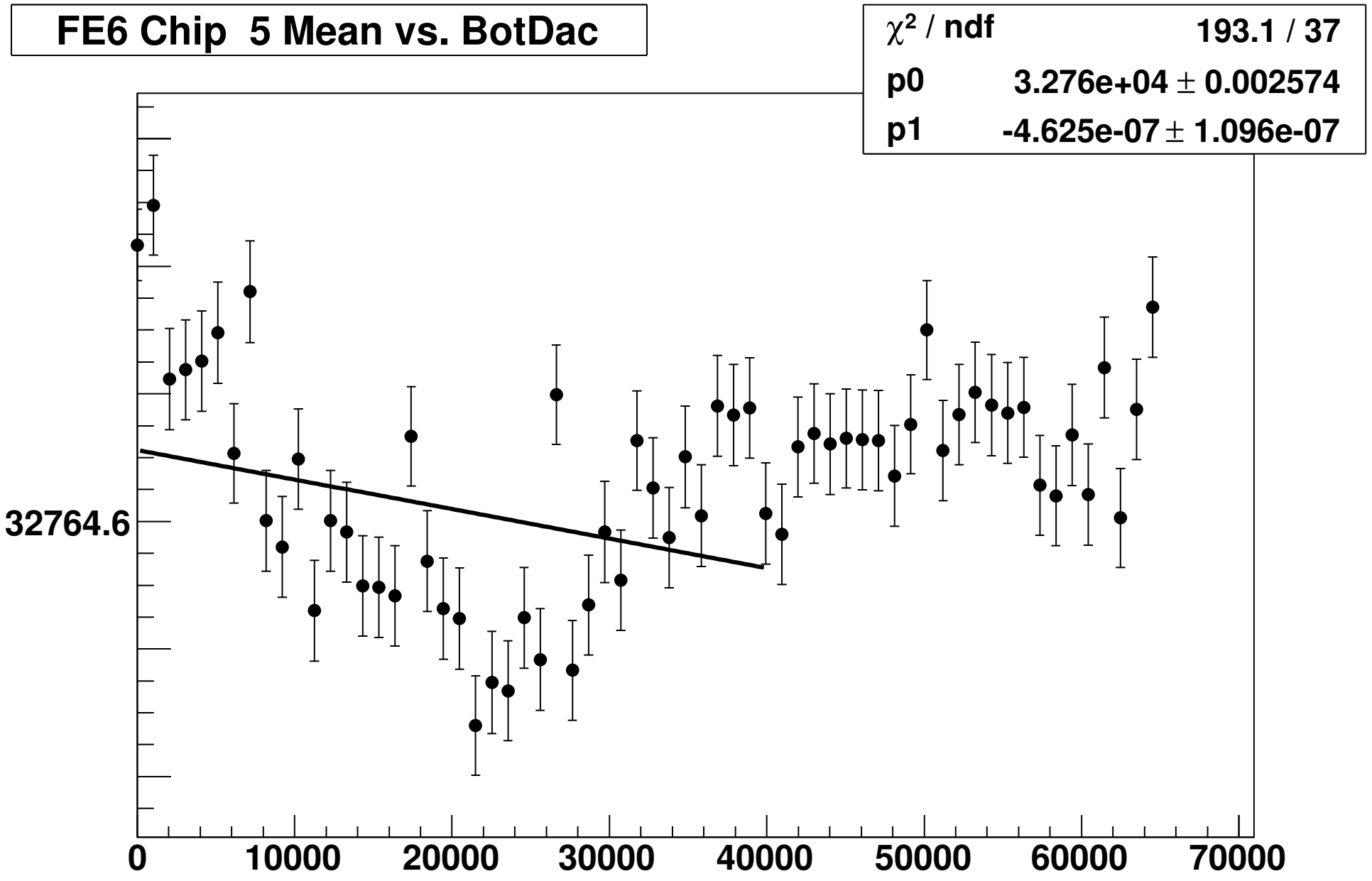

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 27.86 / 37
p0 1.579 ± 0.001901
p1 3.67e-14 ± 3.144e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
70000

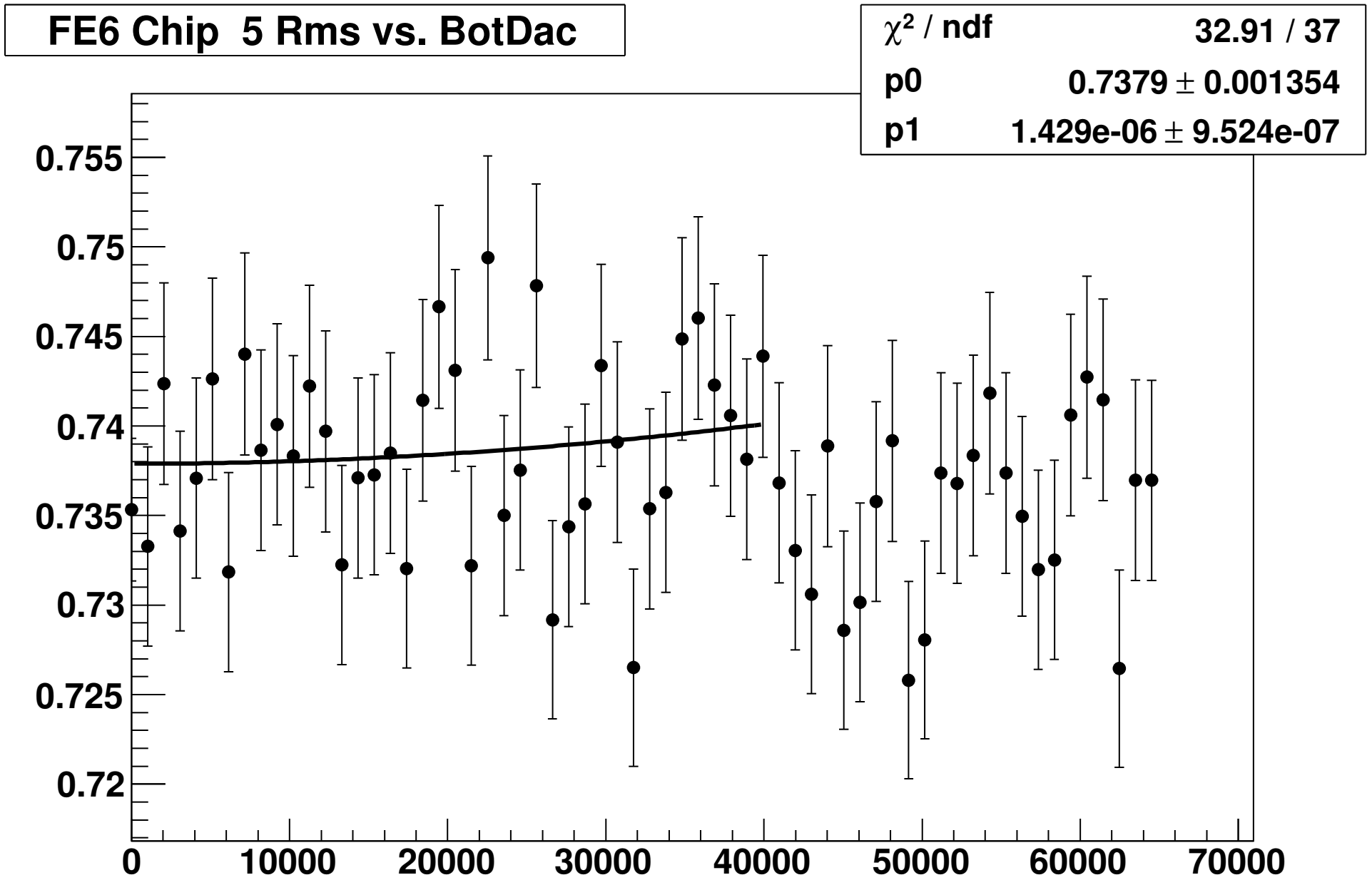

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 262.4 / 37
p0 2.67 ± 0.002446
p1 -1.897e-07 ± 1.038e-07
2.72
2.7
2.68
2.66
2.64
2.62
2.6
0
10000
20000
30000
40000
50000
60000
70000

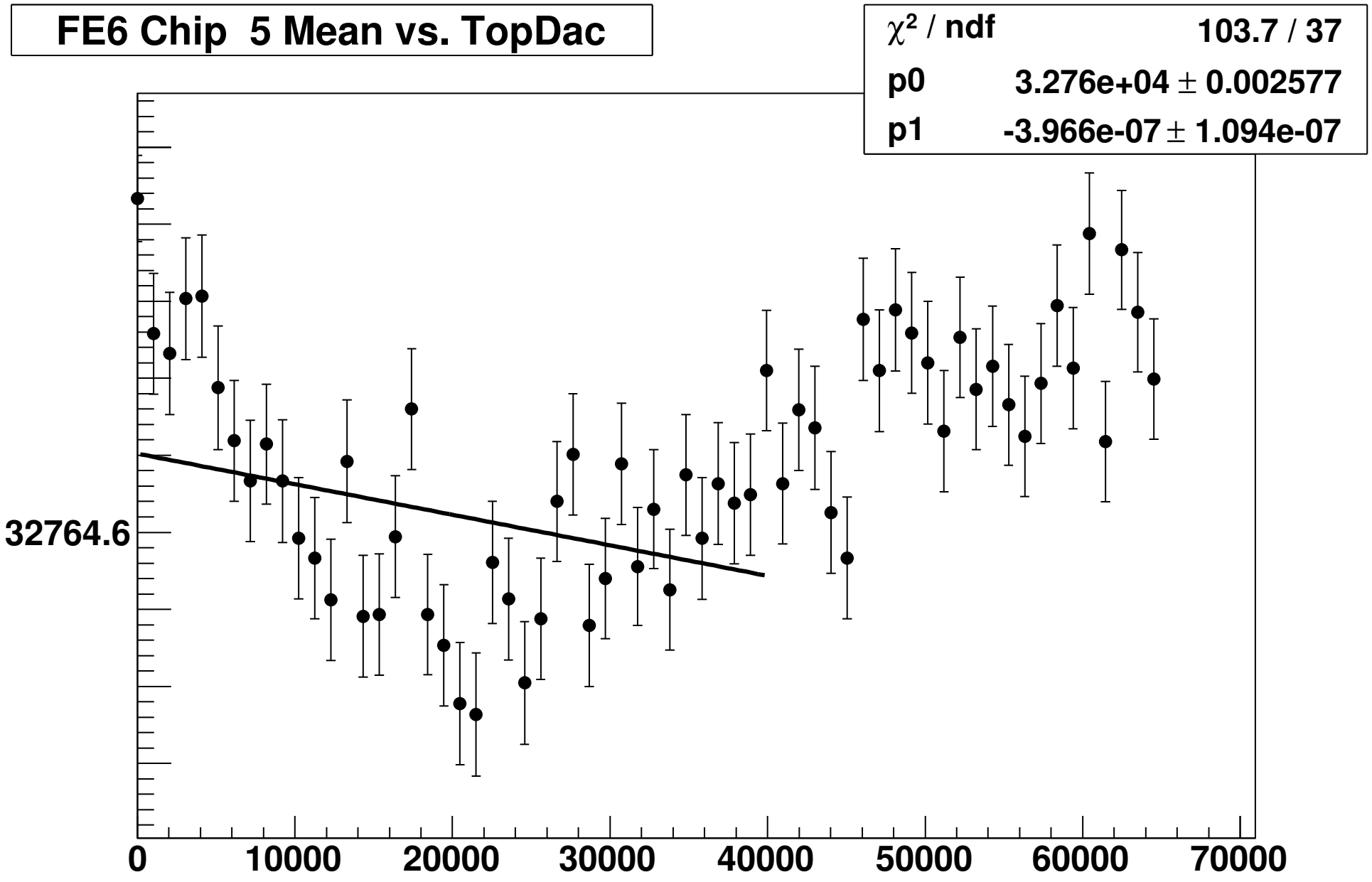

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 32.09 / 37
p0 0.6992 ± 0.0008492
p1 5.477e-15 ± 7.375e-07
0.72
0.715
0.71
0.705
0.7
0.695
0.69
0.685
0
10000
20000
30000
40000
50000
60000
70000

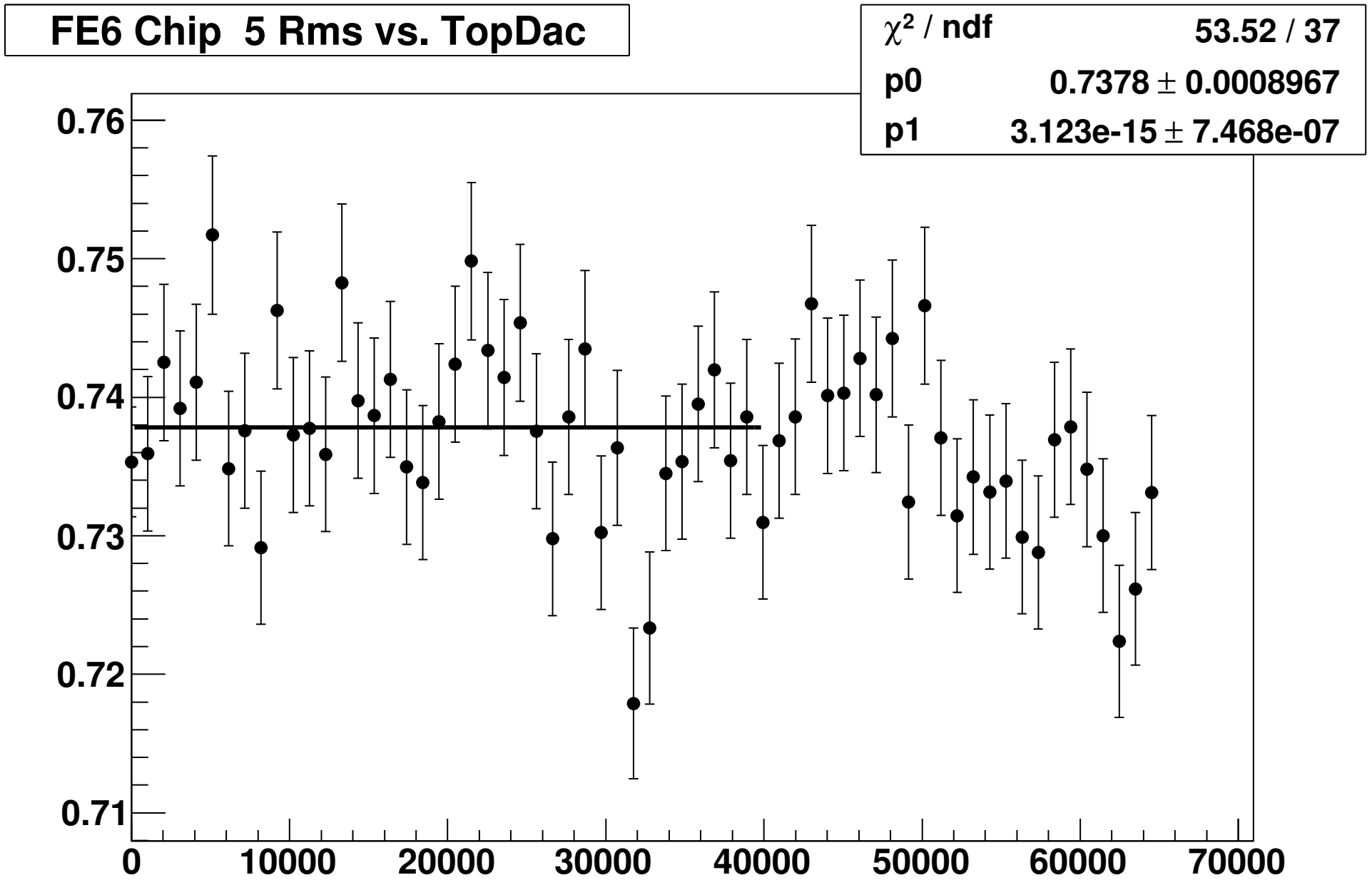

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 266 / 37
p0 2.677 ± 0.002438
p1 -5.771e-07 ± 1.038e-07
2.72
2.7
2.68
2.66
2.64
2.62
2.6
2.58
0
10000
20000
30000
40000
50000
60000
70000

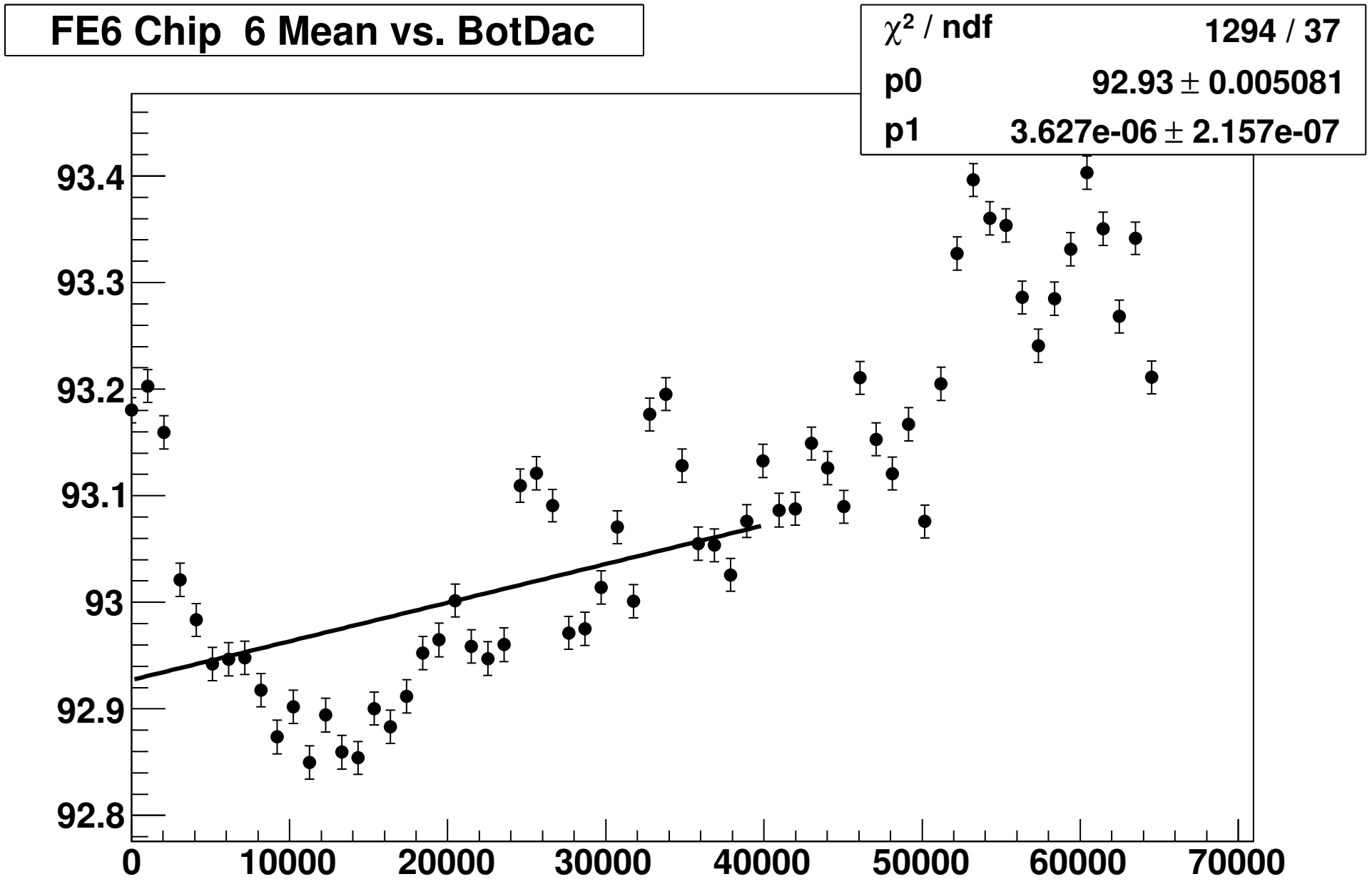

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 46.47 / 37
p0 0.6987 ± 0.001284
p1 1.327e-06 ± 9.208e-07
0.715
0.71
0.705
0.7
0.695
0.69
0.685
0.68
0.675
0
10000
20000
30000
40000
50000
60000
70000

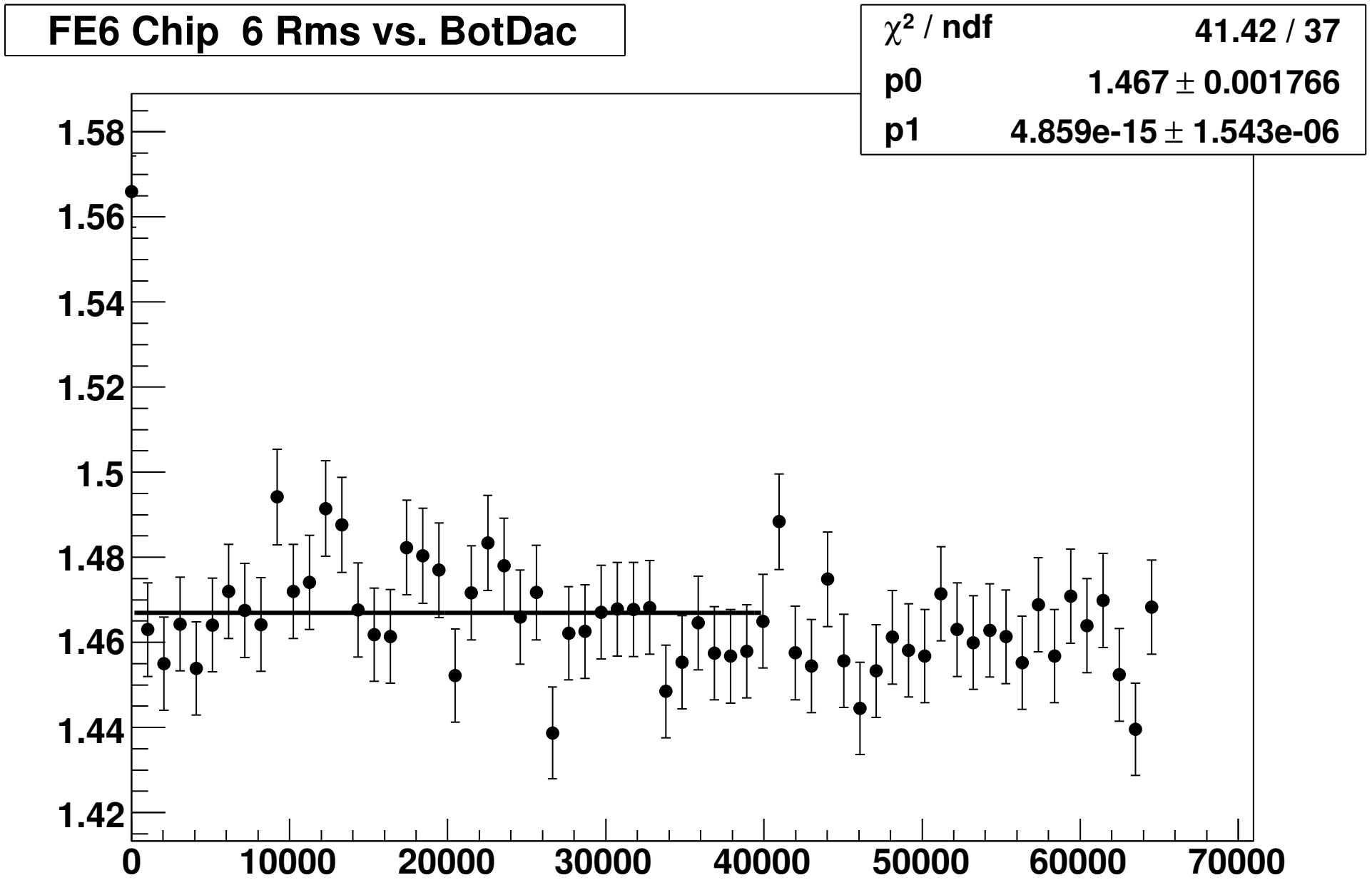

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 193.1 / 37
p0 3.276e+04 ± 0.002574
p1 -4.625e-07 ± 1.096e-07
32764.6
0
10000
20000
30000
40000
50000
60000
70000

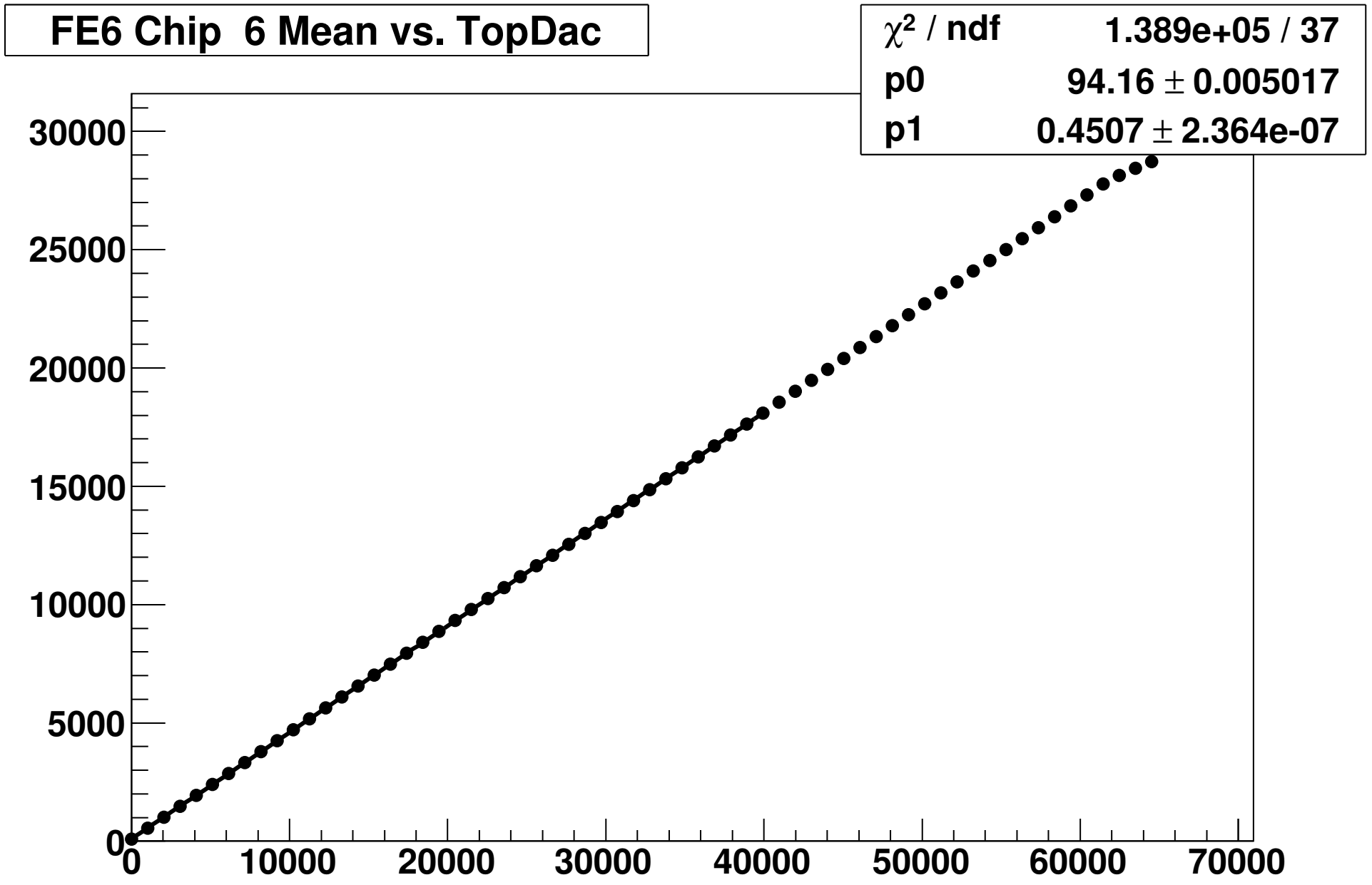

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 32.91 / 37
p0 0.7379 ± 0.001354
p1 1.429e-06 ± 9.524e-07
0.755
0.75
0.745
0.74
0.735
0.73
0.725
0.72
0
10000
20000
30000
40000
50000
60000
70000

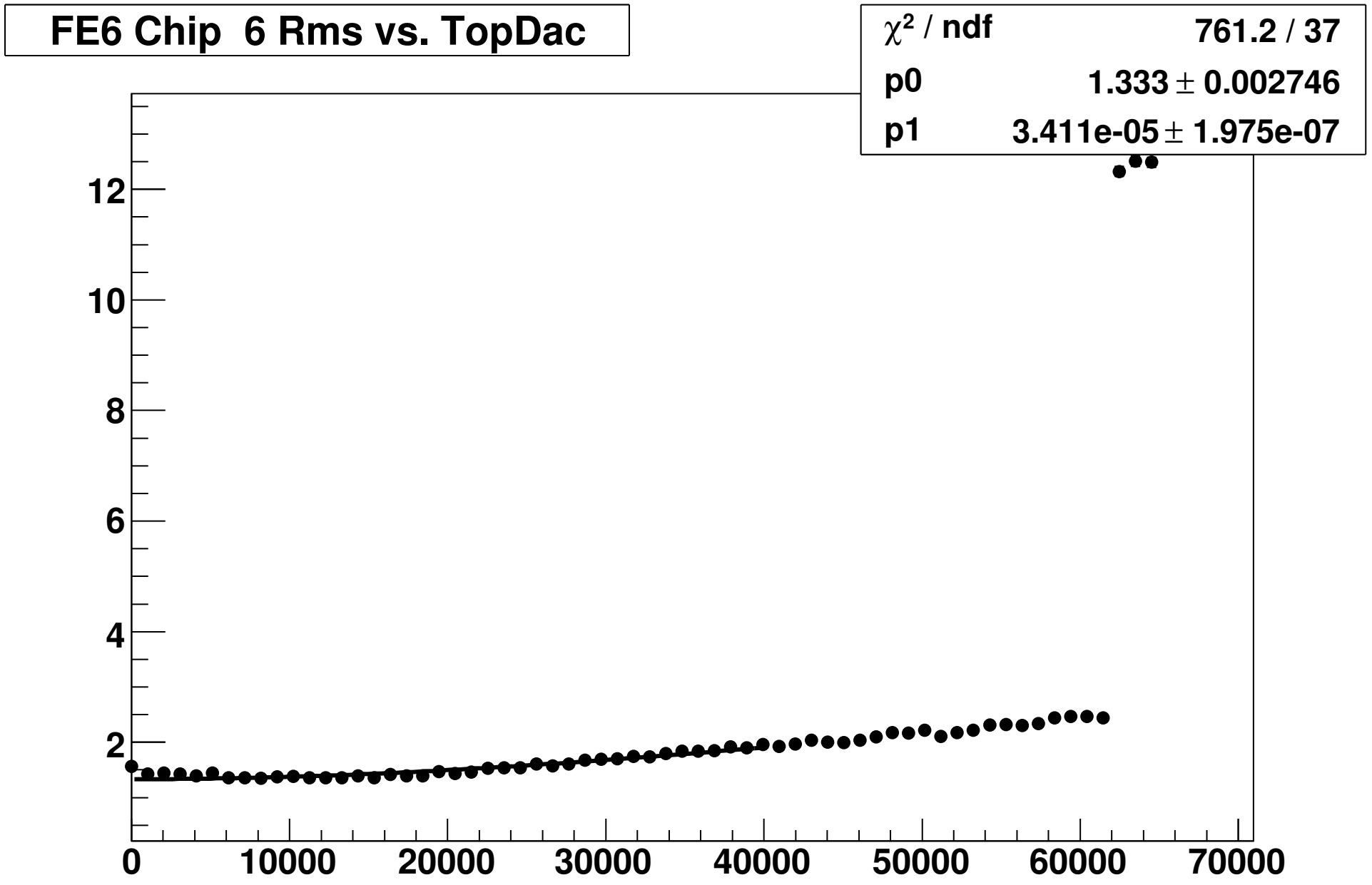

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 103.7 / 37
p0 3.276e+04 ± 0.002577
p1 -3.966e-07 ± 1.094e-07
32764.6
0
10000
20000
30000
40000
50000
60000
70000

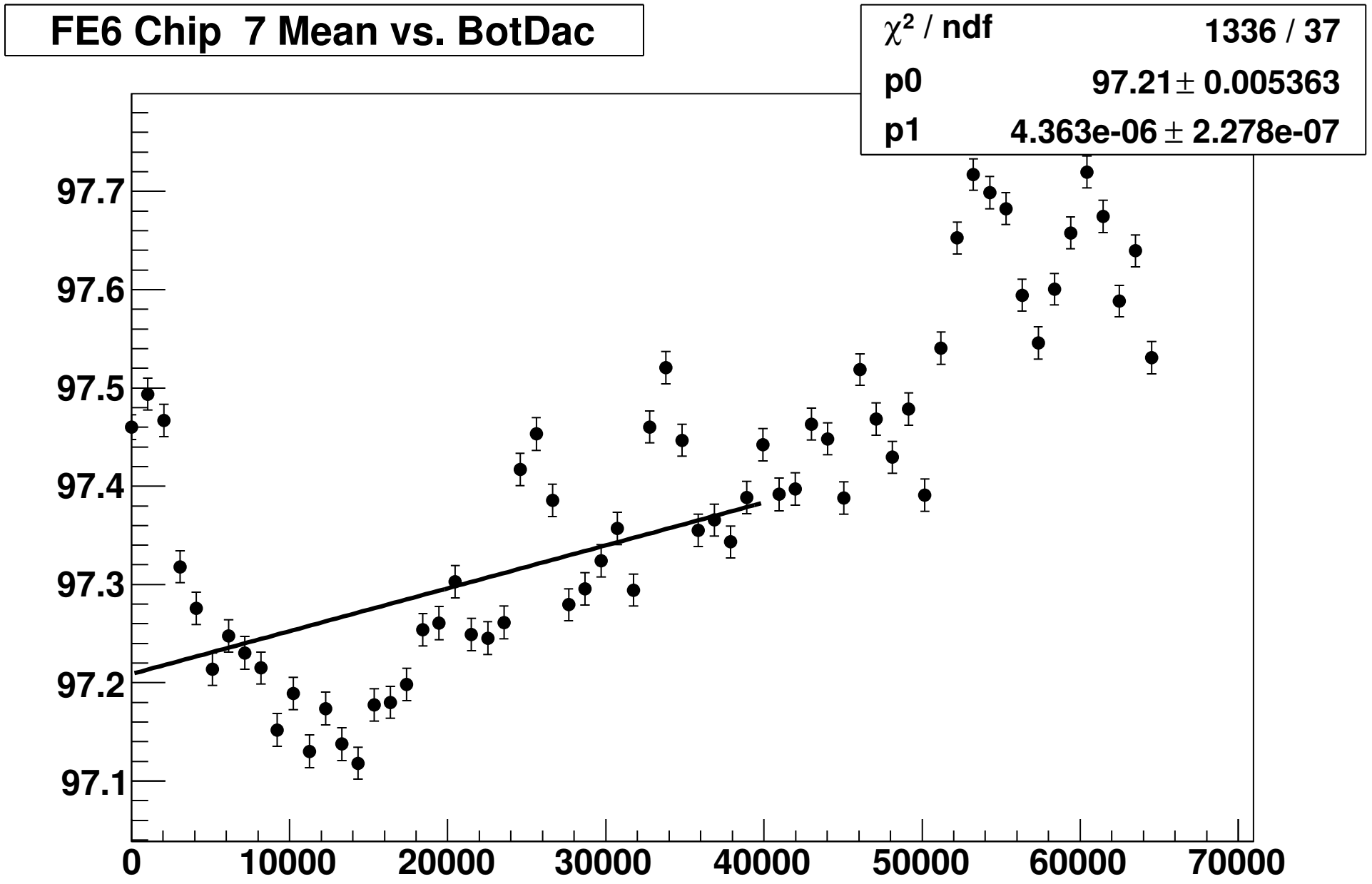

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 53.52 / 37
p0 0.7378 ± 0.0008967
p1 3.123e-15 ± 7.468e-07
0.76
0.75
0.74
0.73
0.72
0.71
0
10000
20000
30000
40000
50000
60000
70000

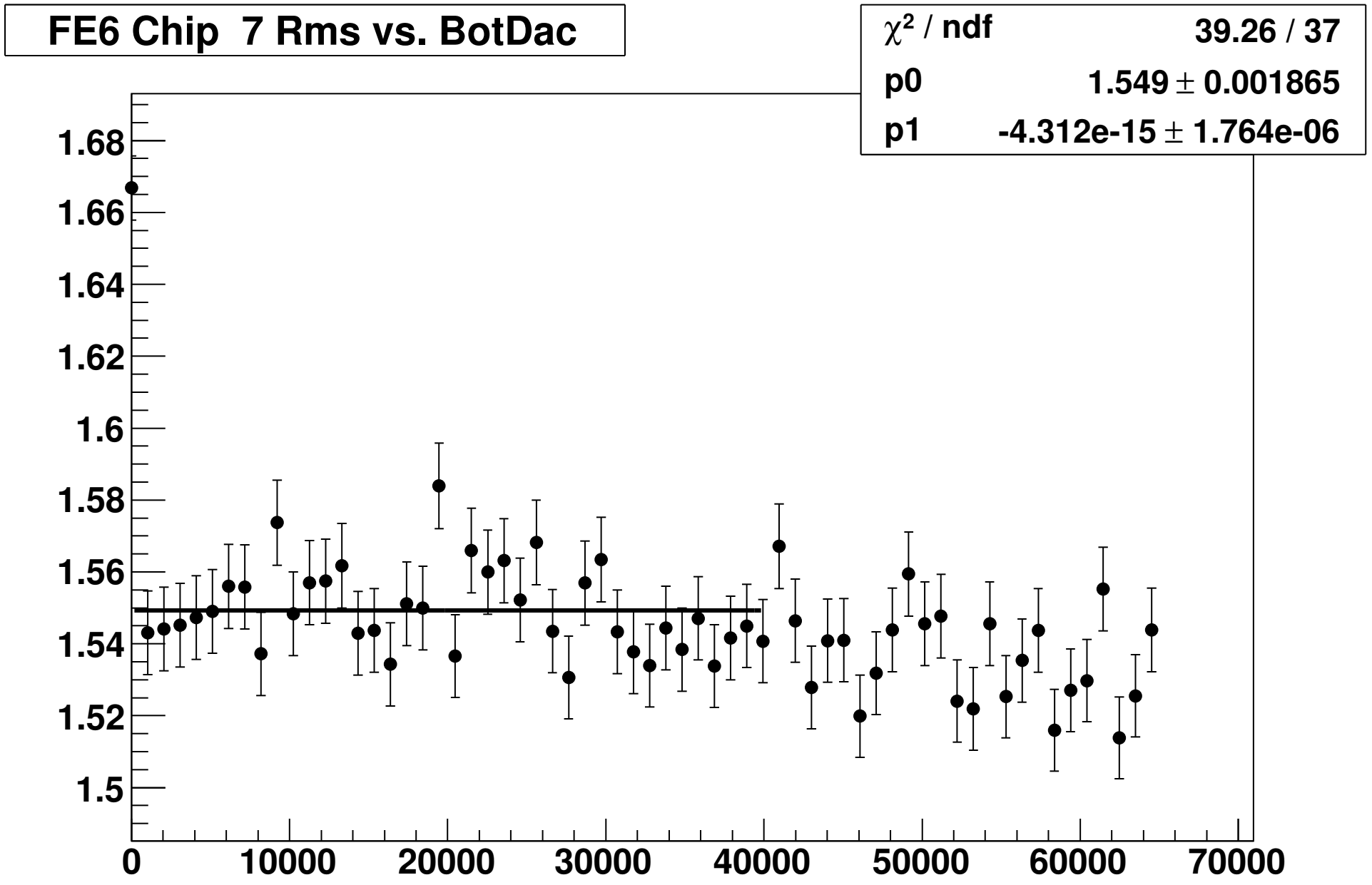

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 1294 / 37
p0 92.93 ± 0.005081
p1 3.627e-06 ± 2.157e-07
93.4
93.3
93.2
93.1
93
92.9
92.8
0
10000
20000
30000
40000
50000
60000
70000

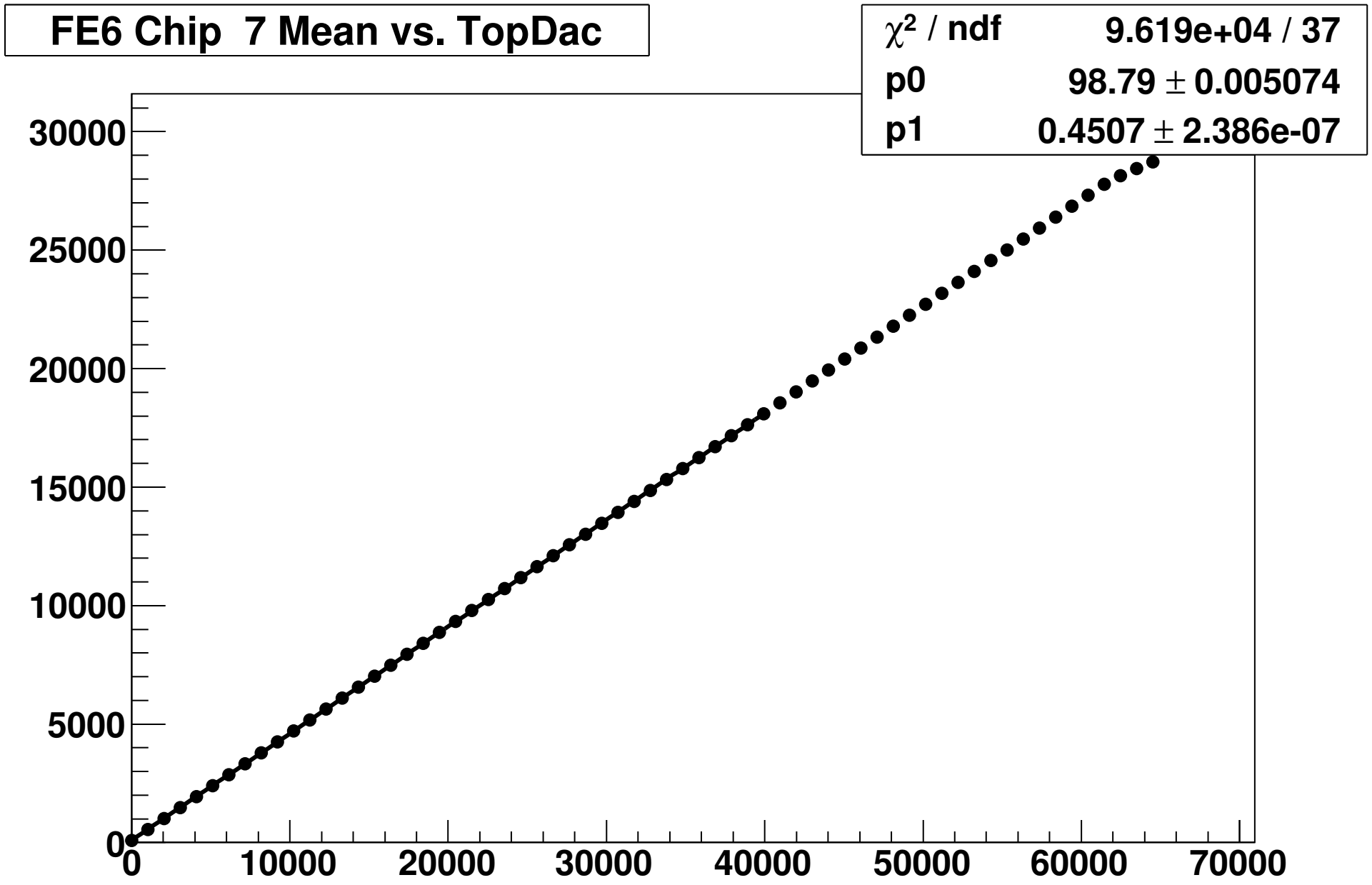

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 41.42 / 37
p0 1.467 ± 0.001766
p1 4.859e-15 ± 1.543e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

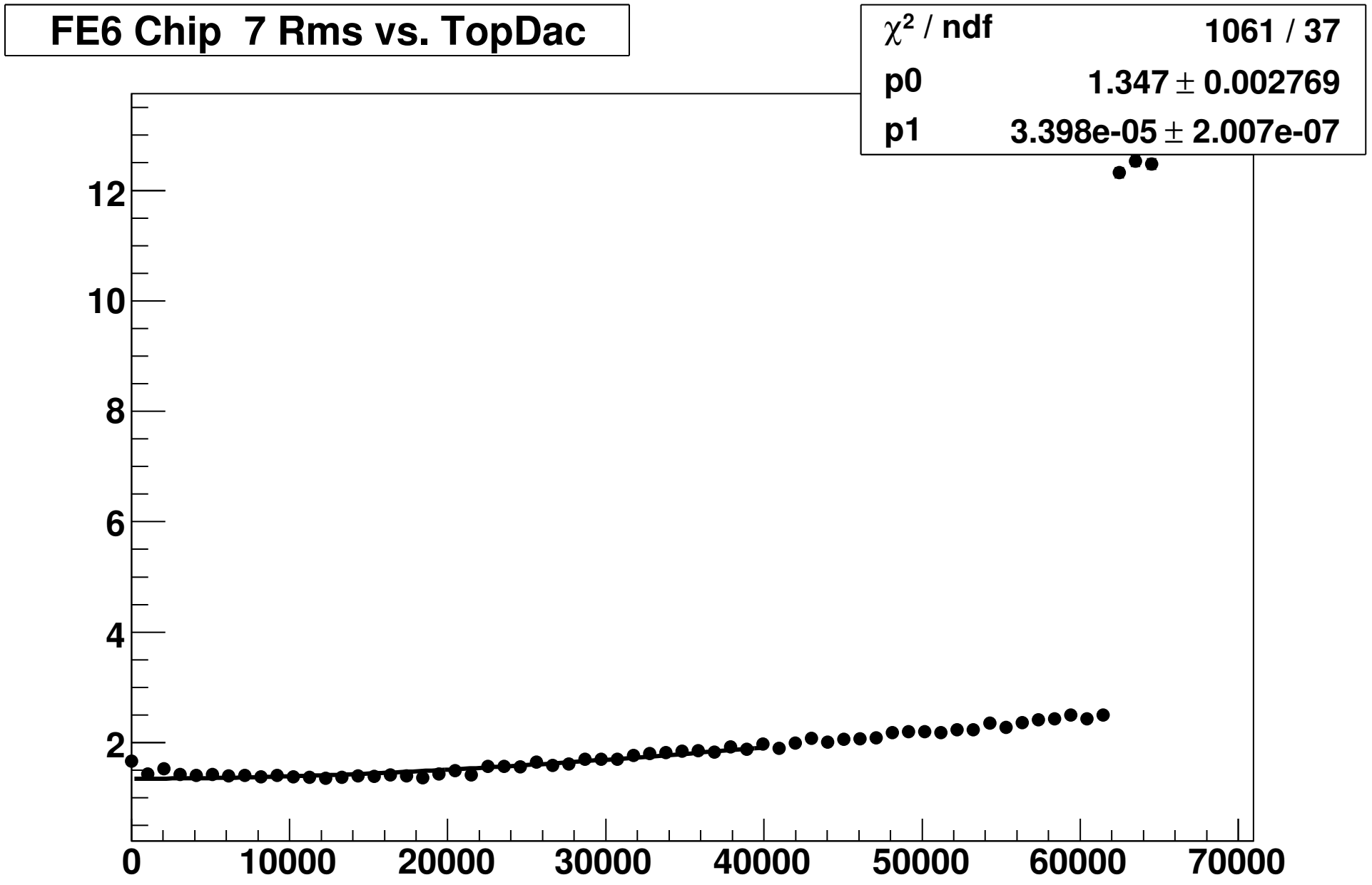

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.389e+05 / 37
p0 94.16 ± 0.005017
p1 0.4507 ± 2.364e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

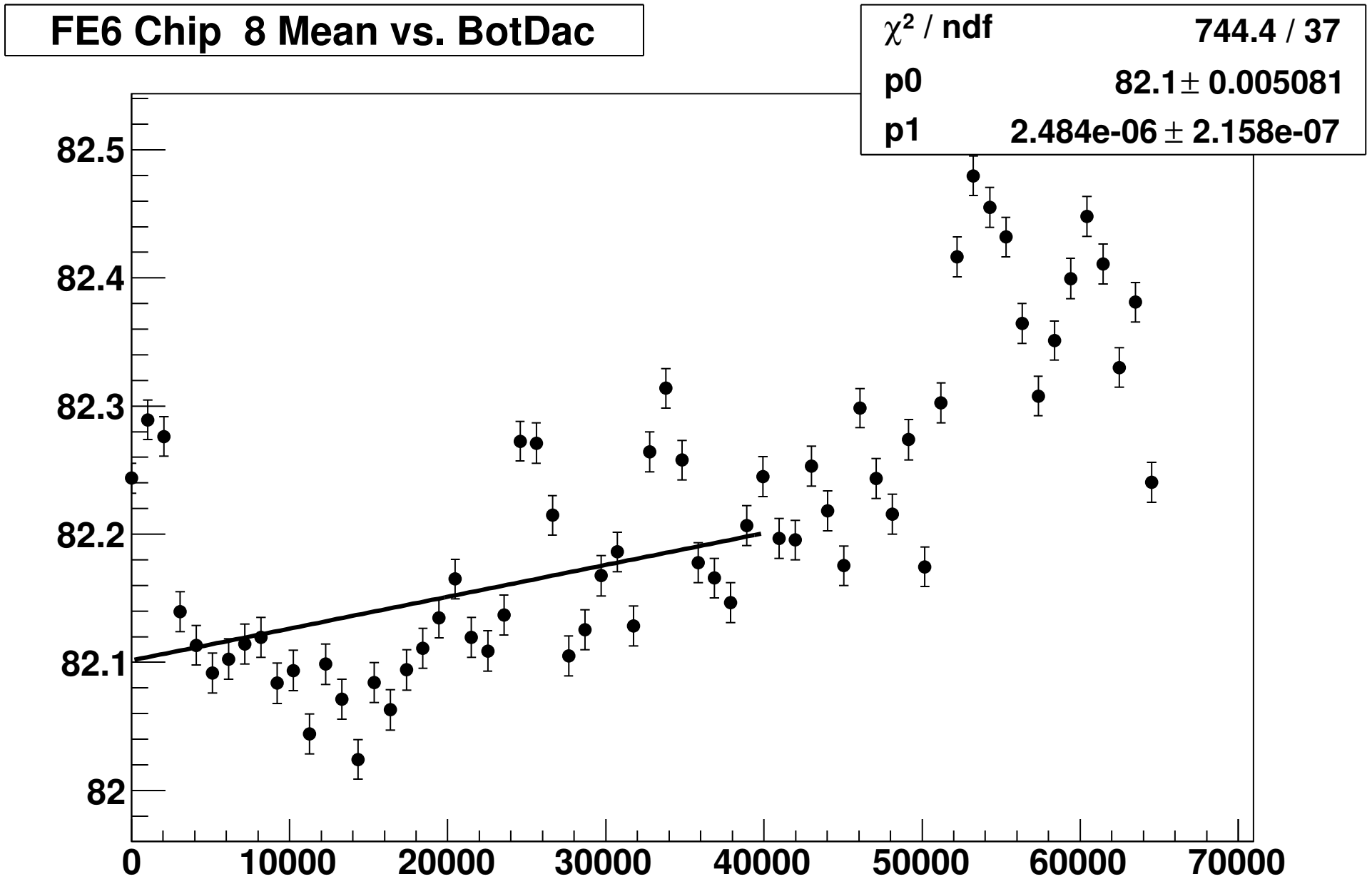

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 761.2 / 37
p0 1.333 ± 0.002746
p1 3.411e-05 ± 1.975e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

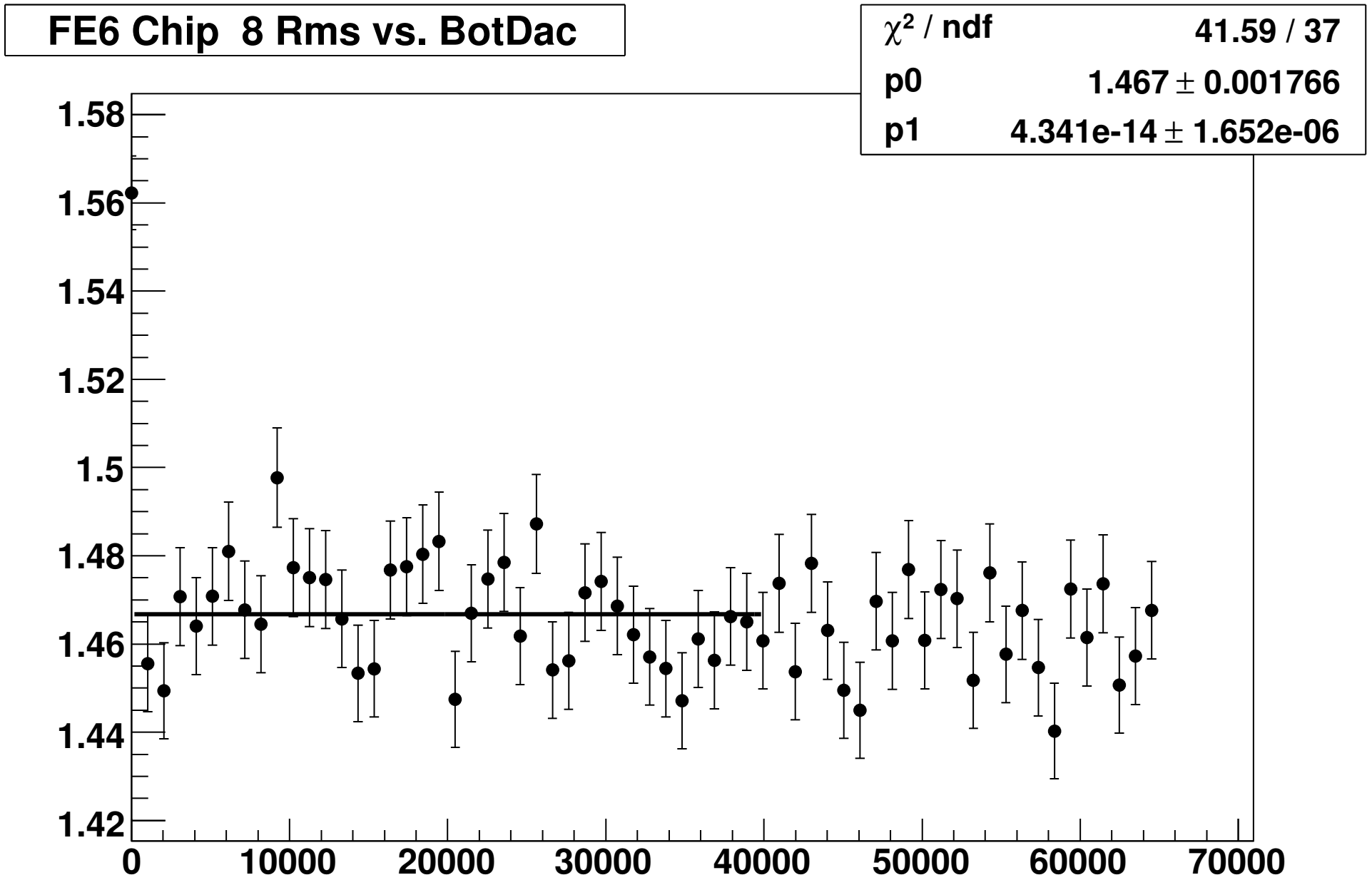

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 1336 / 37
p0 97.21 ± 0.005363
p1 4.363e-06 ± 2.278e-07
97.7
97.6
97.5
97.4
97.3
97.2
97.1
0
10000
20000
30000
40000
50000
60000
70000

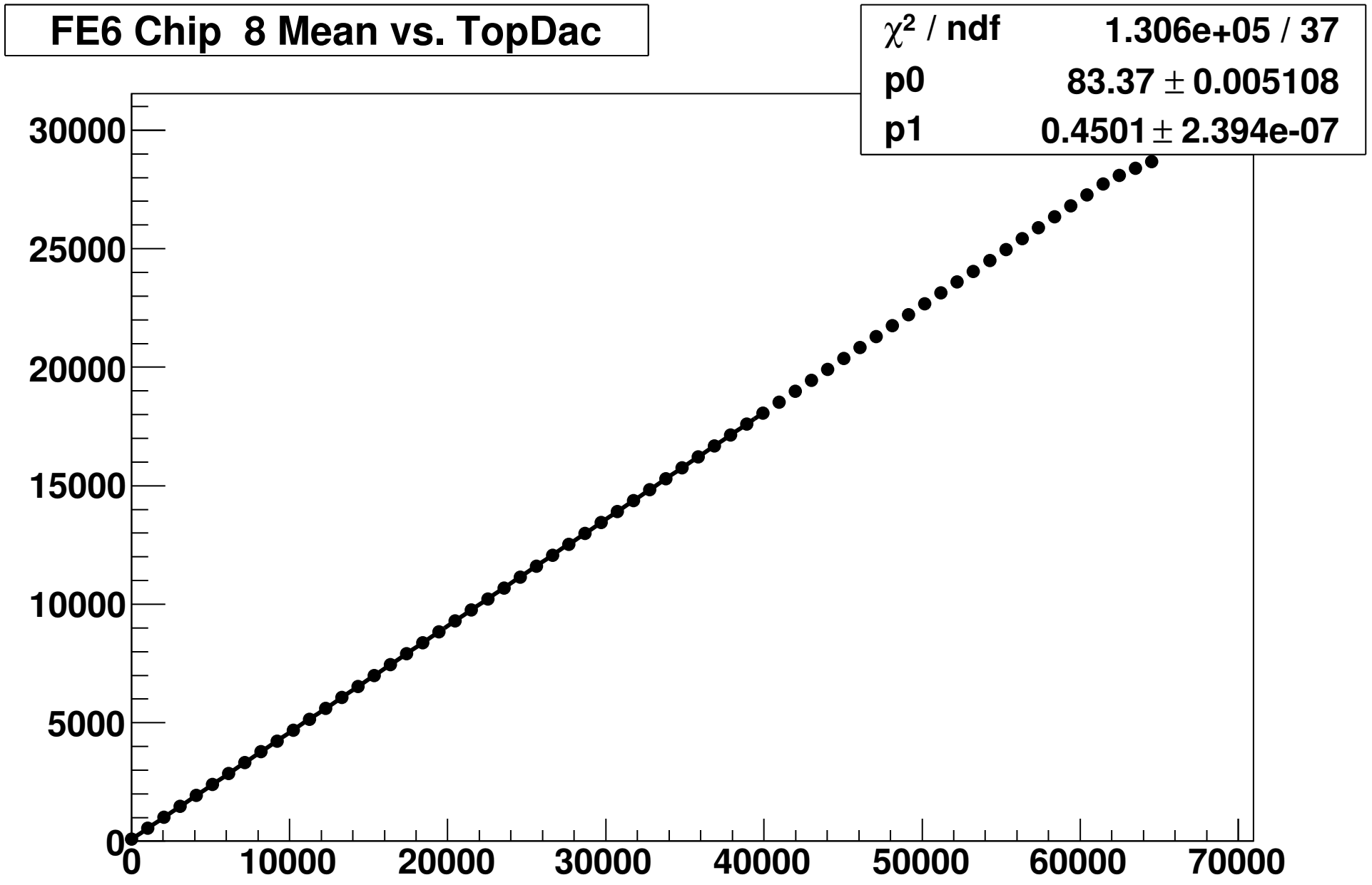

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 39.26 / 37
p0 1.549 ± 0.001865
p1 -4.312e-15 ± 1.764e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

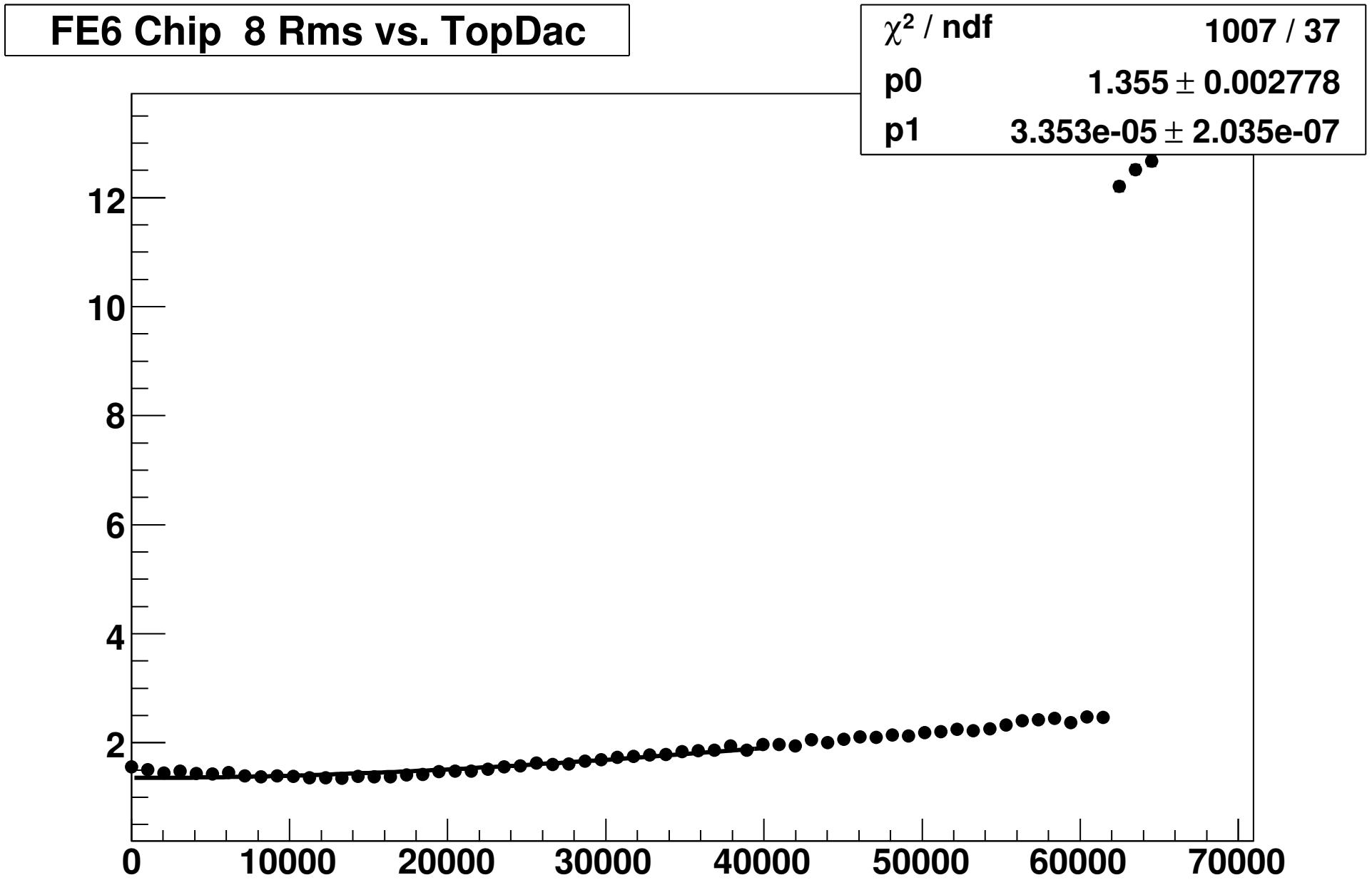

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 9.619e+04 / 37
p0 98.79 ± 0.005074
p1 0.4507 ± 2.386e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

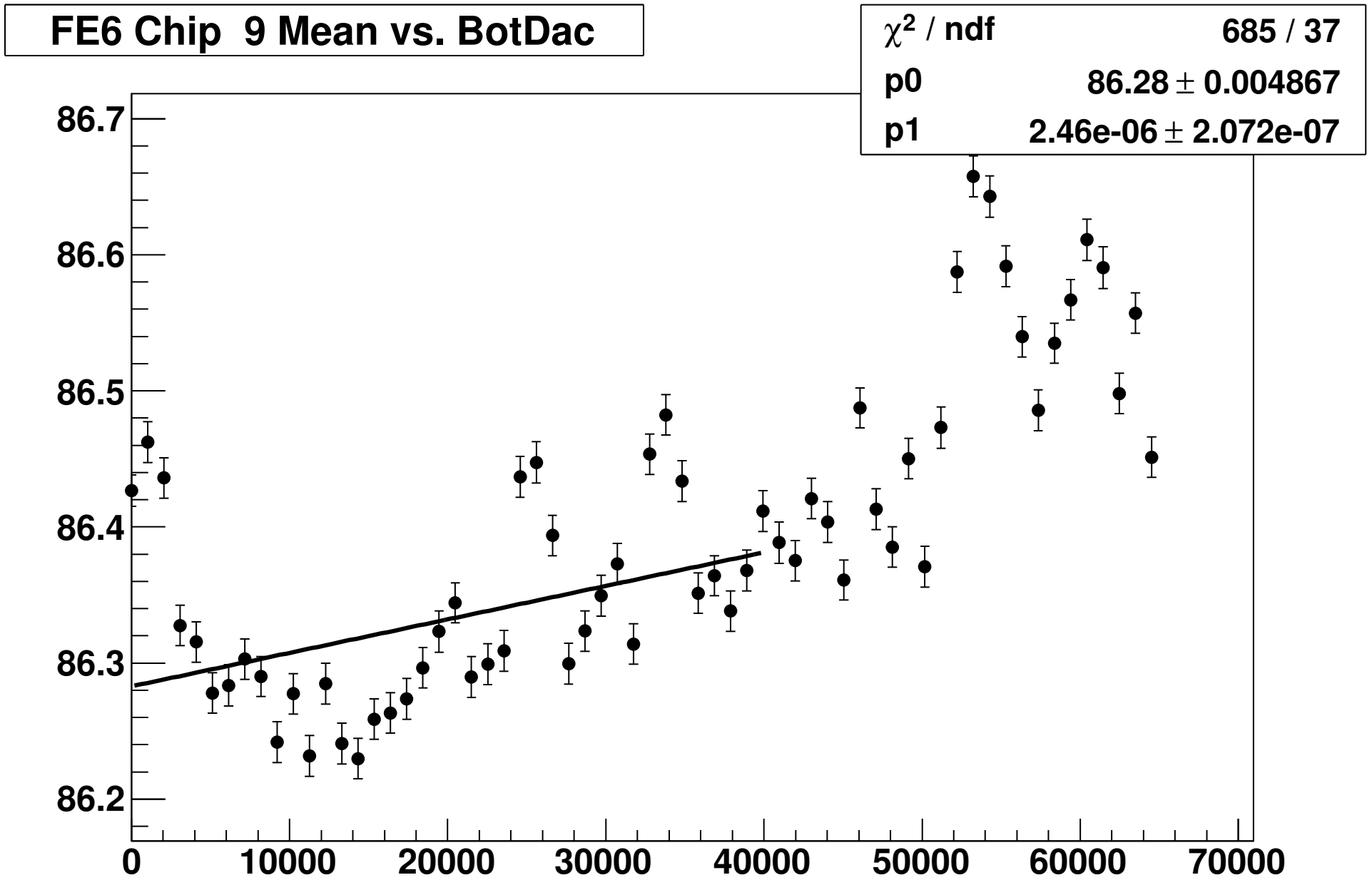

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1061 / 37
p0 1.347 ± 0.002769
p1 3.398e-05 ± 2.007e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

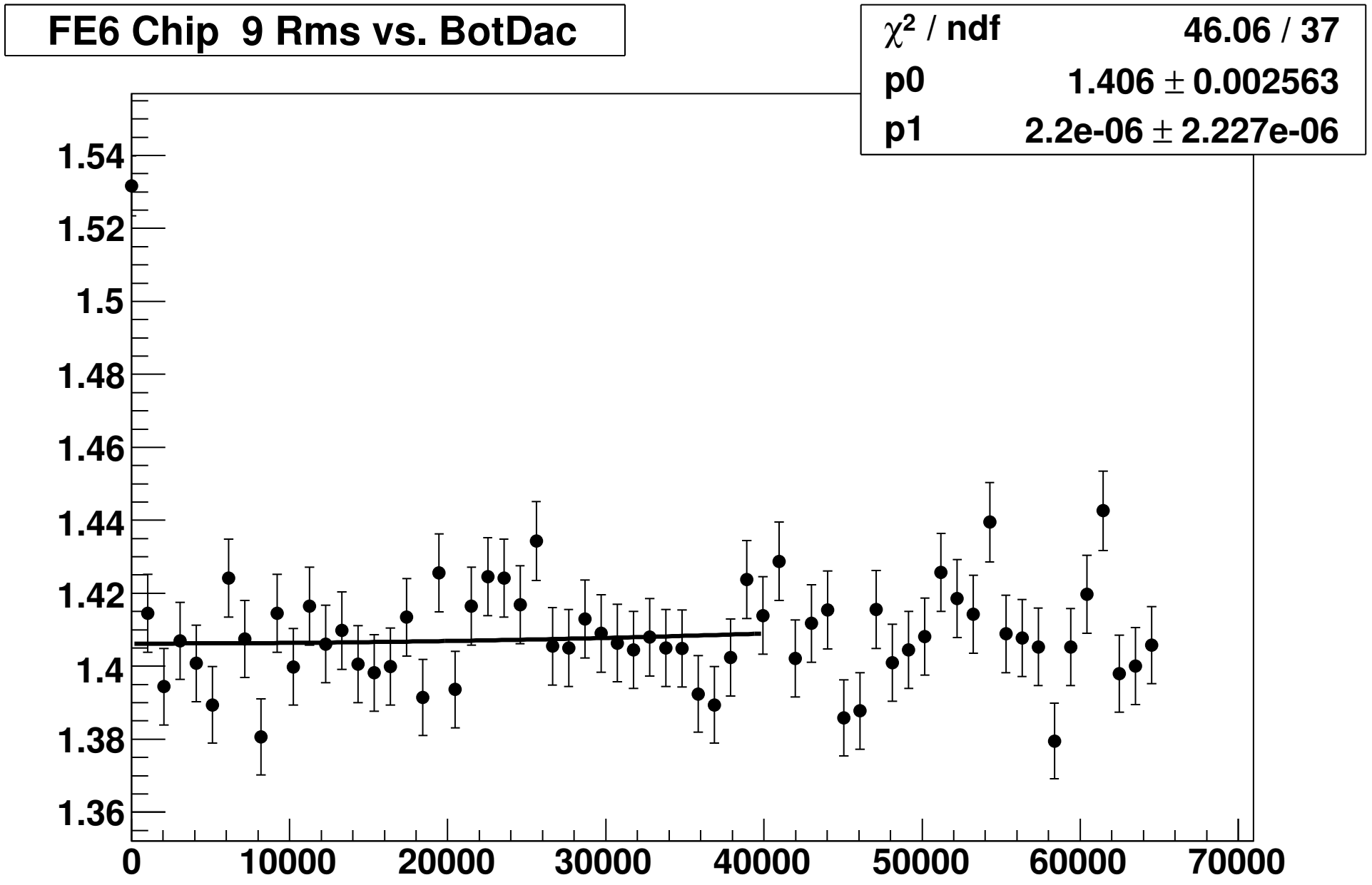

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 744.4 / 37
p0 82.1 ± 0.005081
p1 2.484e-06 ± 2.158e-07
82.5
82.4
82.3
82.2
82.1
82
0
10000
20000
30000
40000
50000
60000
70000

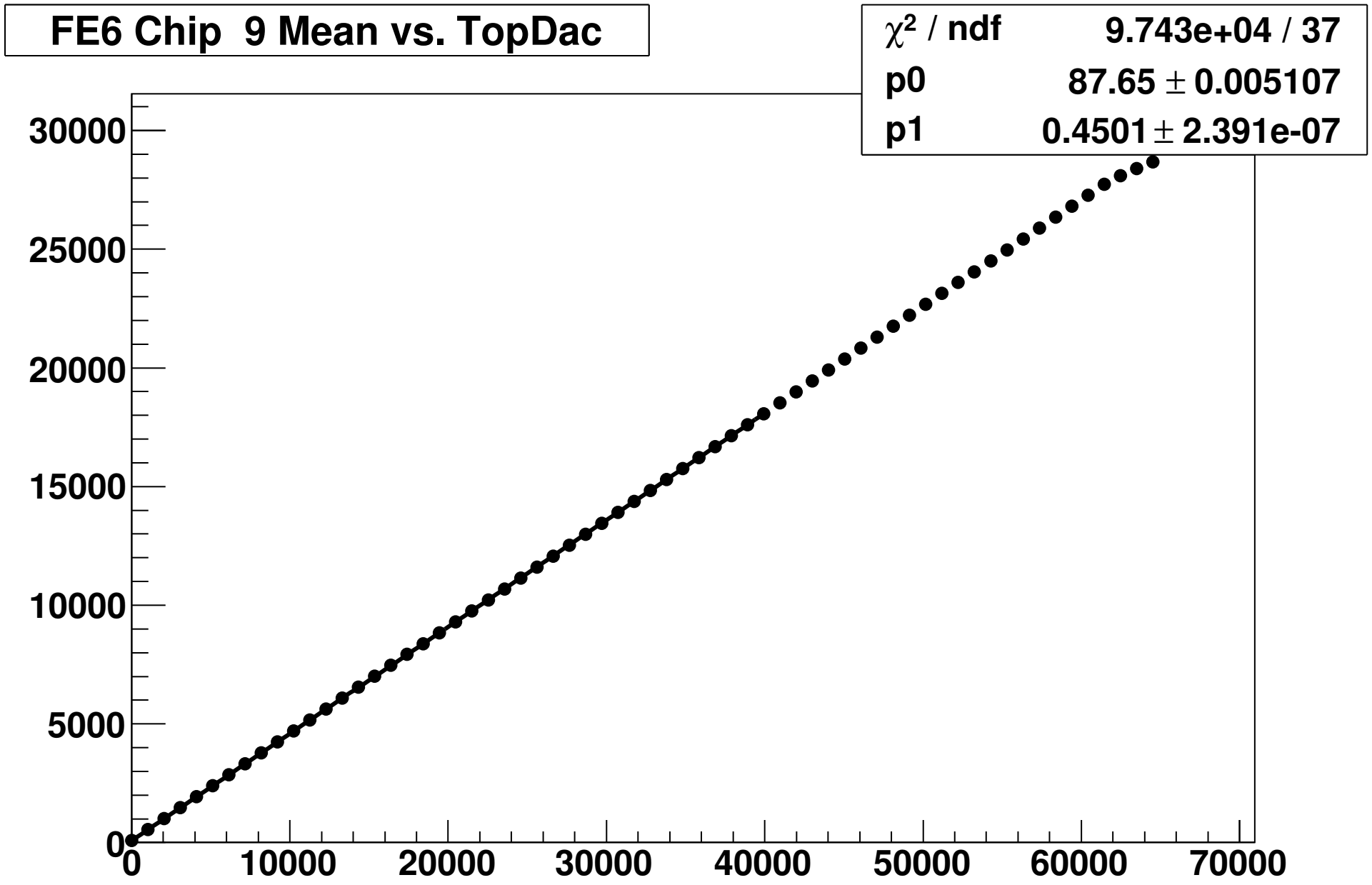

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 41.59 / 37
p0 1.467 ± 0.001766
p1 4.341e-14 ± 1.652e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

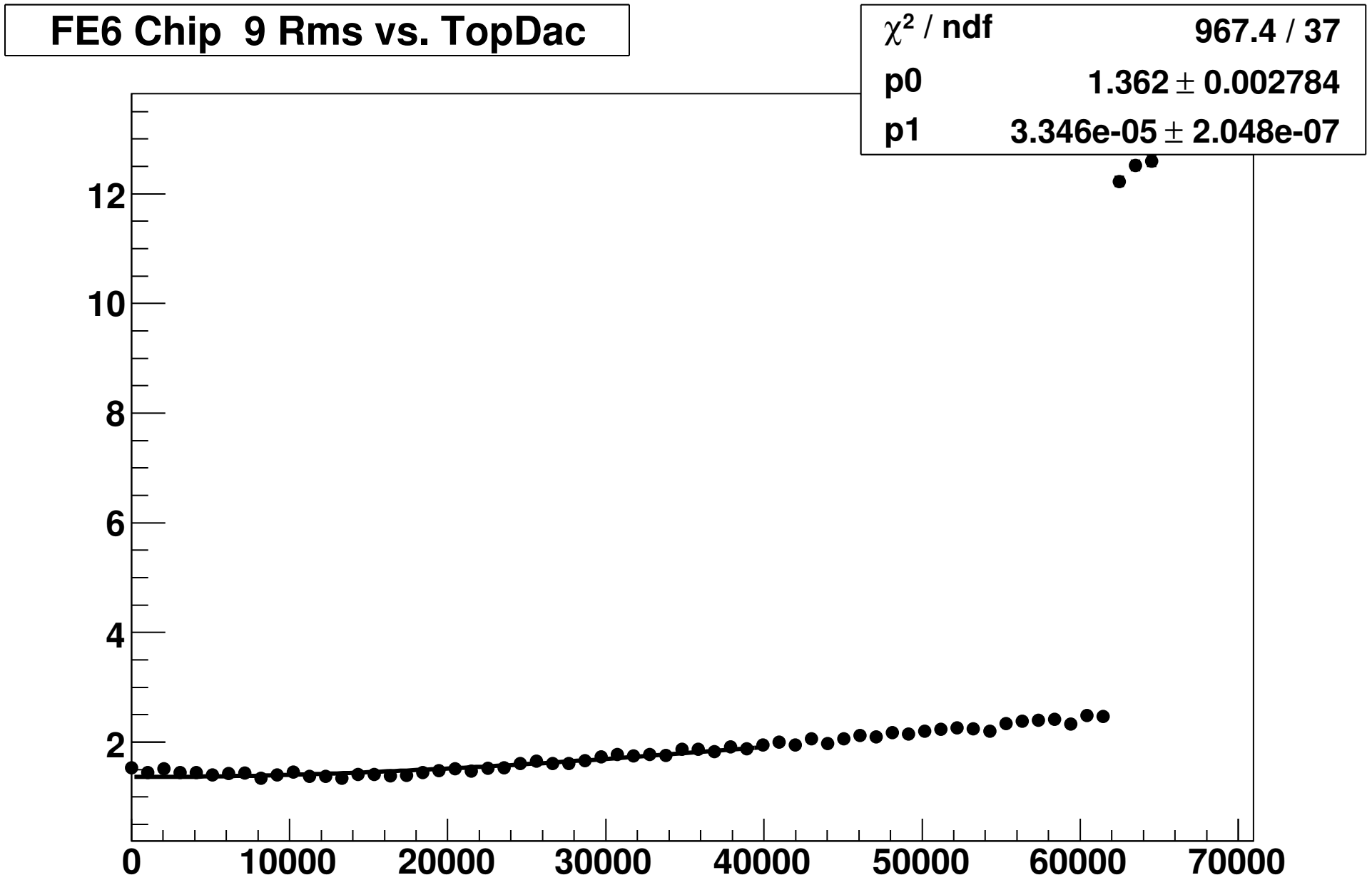

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.306e+05 / 37
p0 83.37 ± 0.005108
p1 0.4501 ± 2.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

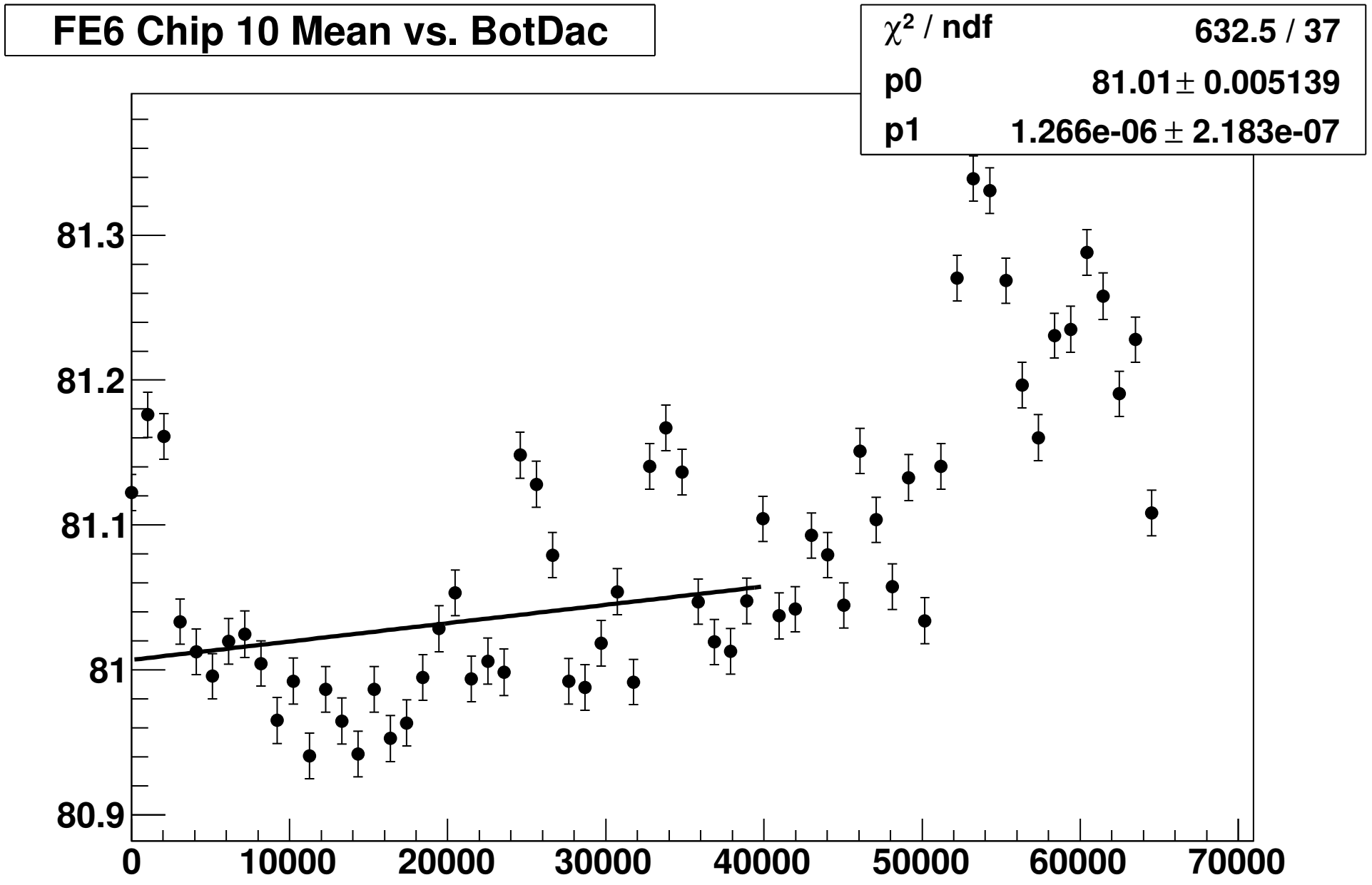

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 1007 / 37
p0 1.355 ± 0.002778
p1 3.353e-05 ± 2.035e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

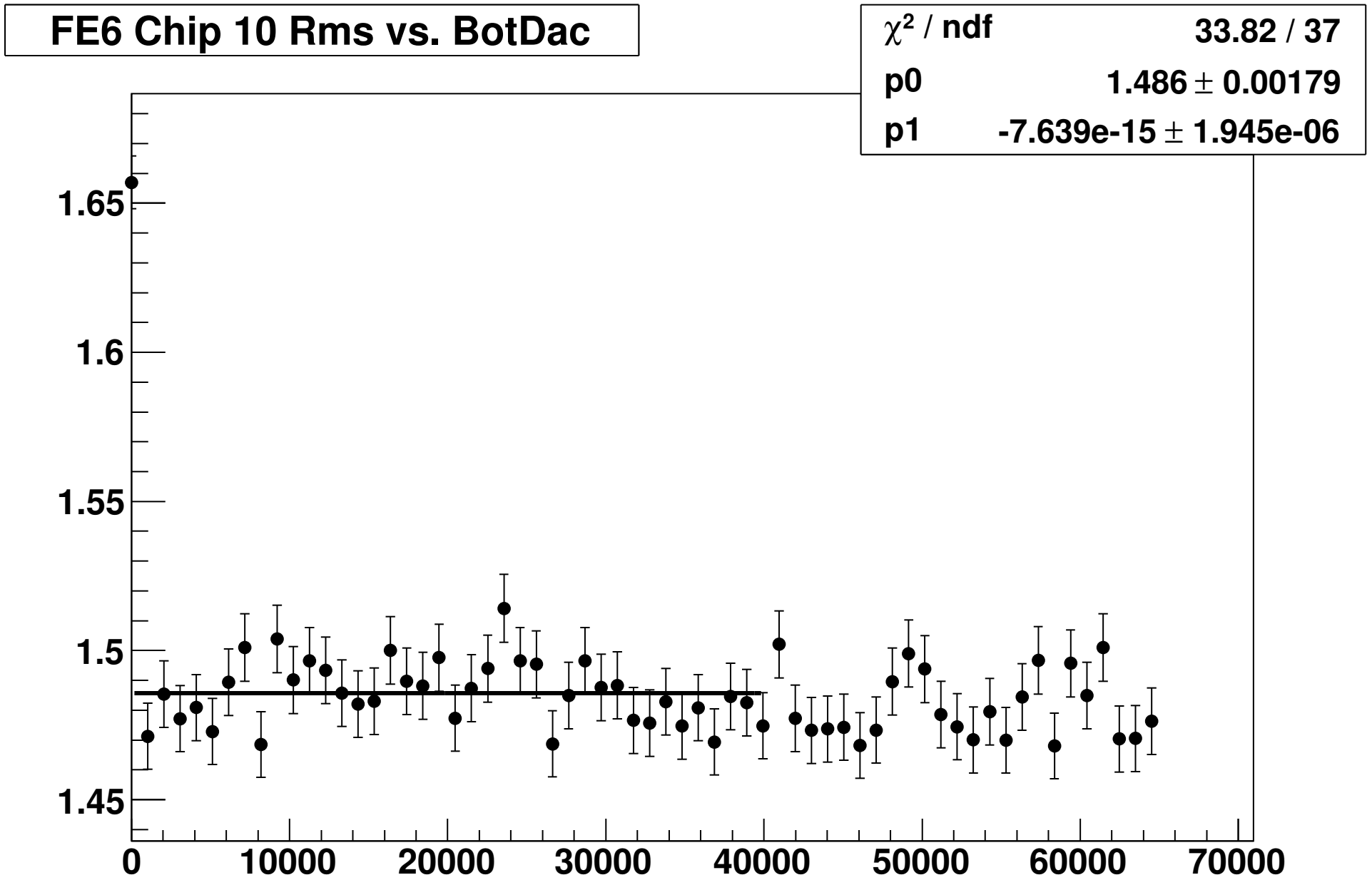

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 685 / 37
p0 86.28 ± 0.004867
p1 2.46e-06 ± 2.072e-07
86.7
86.6
86.5
86.4
86.3
86.2
0
10000
20000
30000
40000
50000
60000
70000

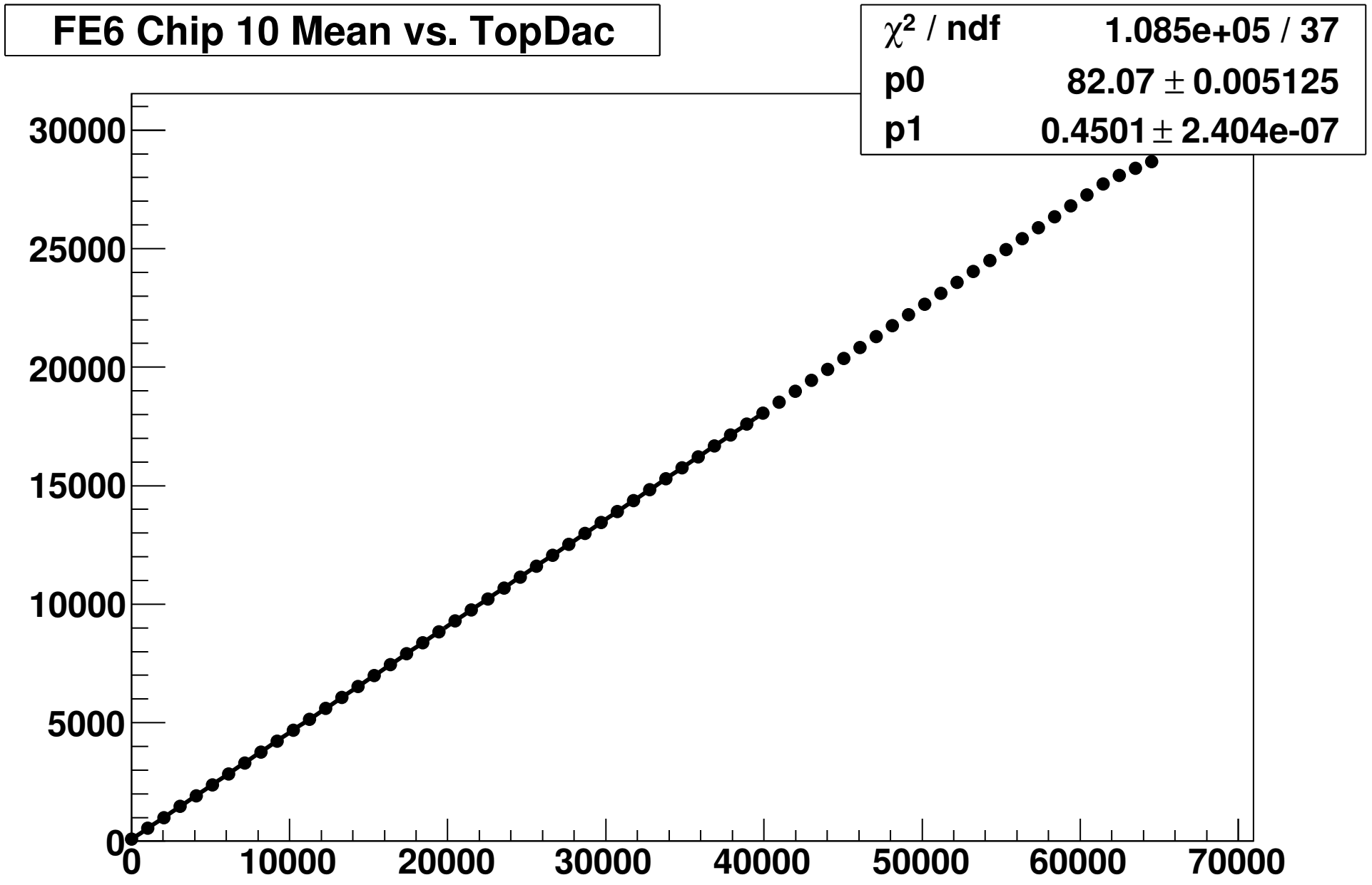

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 46.06 / 37
p0 1.406 ± 0.002563
p1 2.2e-06 ± 2.227e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000

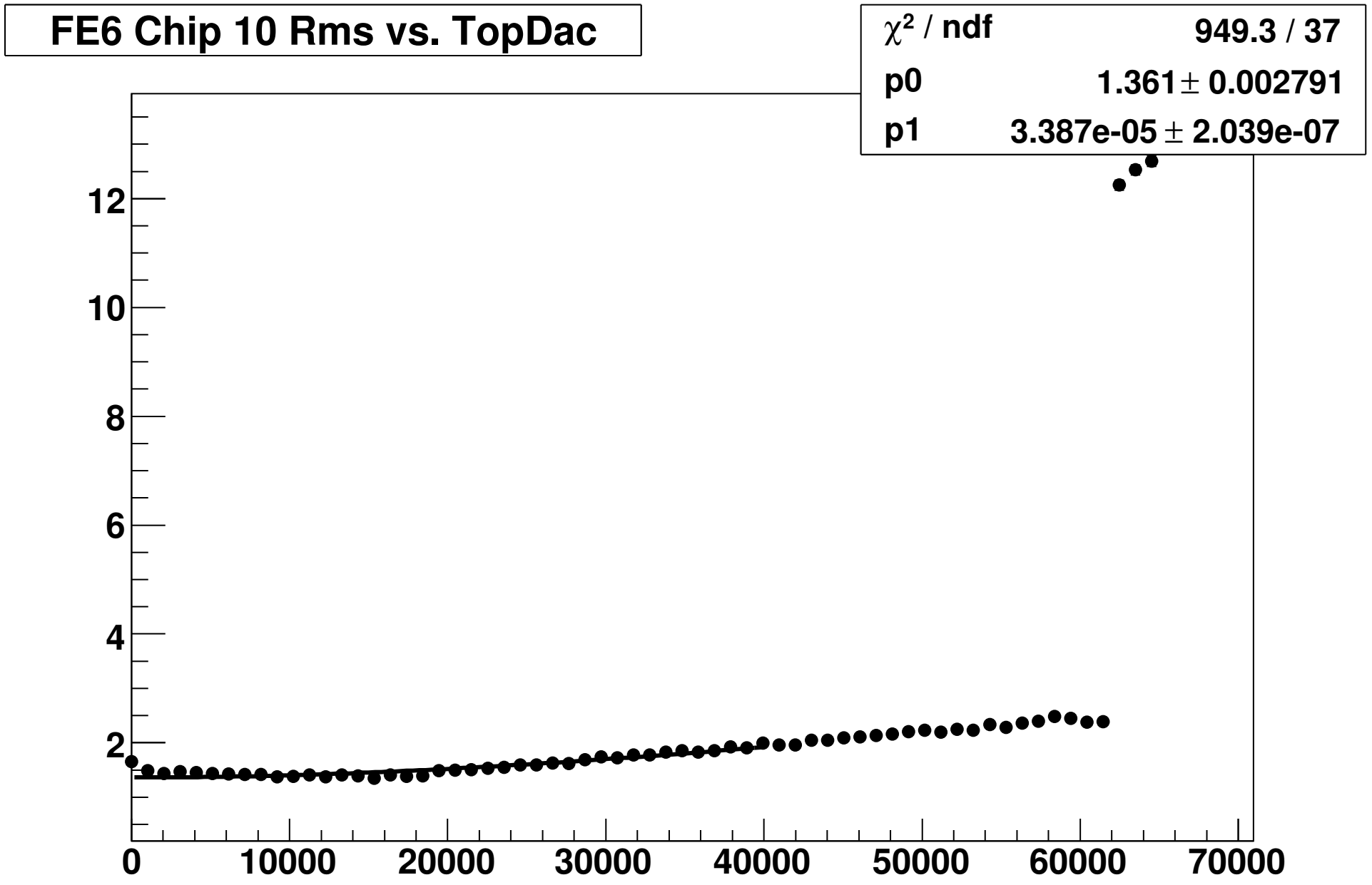

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 9.743e+04 / 37
p0 87.65 ± 0.005107
p1 0.4501 ± 2.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

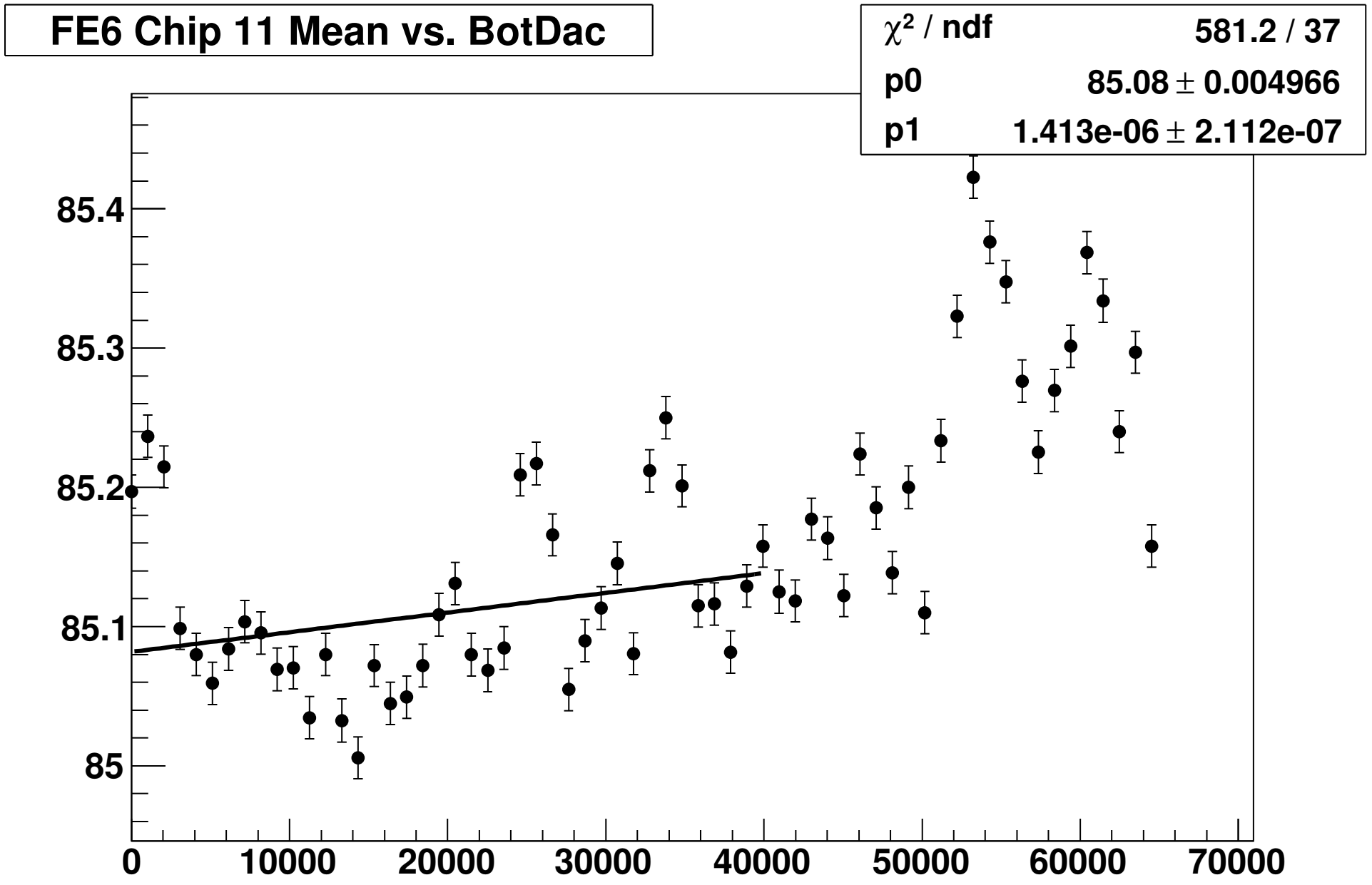

FE6 Chip 9 Rms vs. TopDac
χ² / ndf 967.4 / 37
p0 1.362 ± 0.002784
p1 3.346e-05 ± 2.048e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

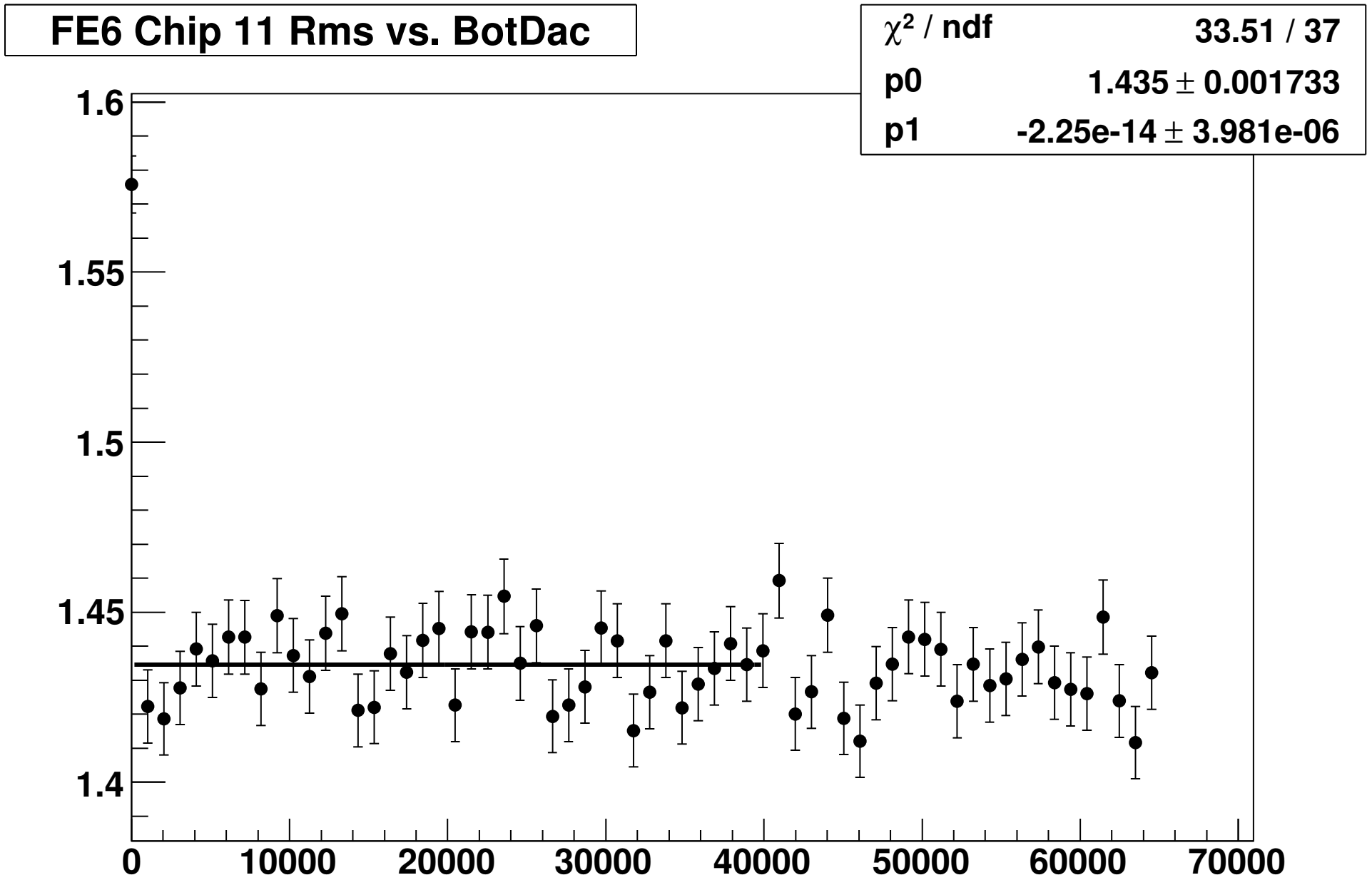

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 632.5 / 37
p0 81.01 ± 0.005139
p1 1.266e-06 ± 2.183e-07
81.3
81.2
81.1
81
80.9
0
10000
20000
30000
40000
50000
60000
70000

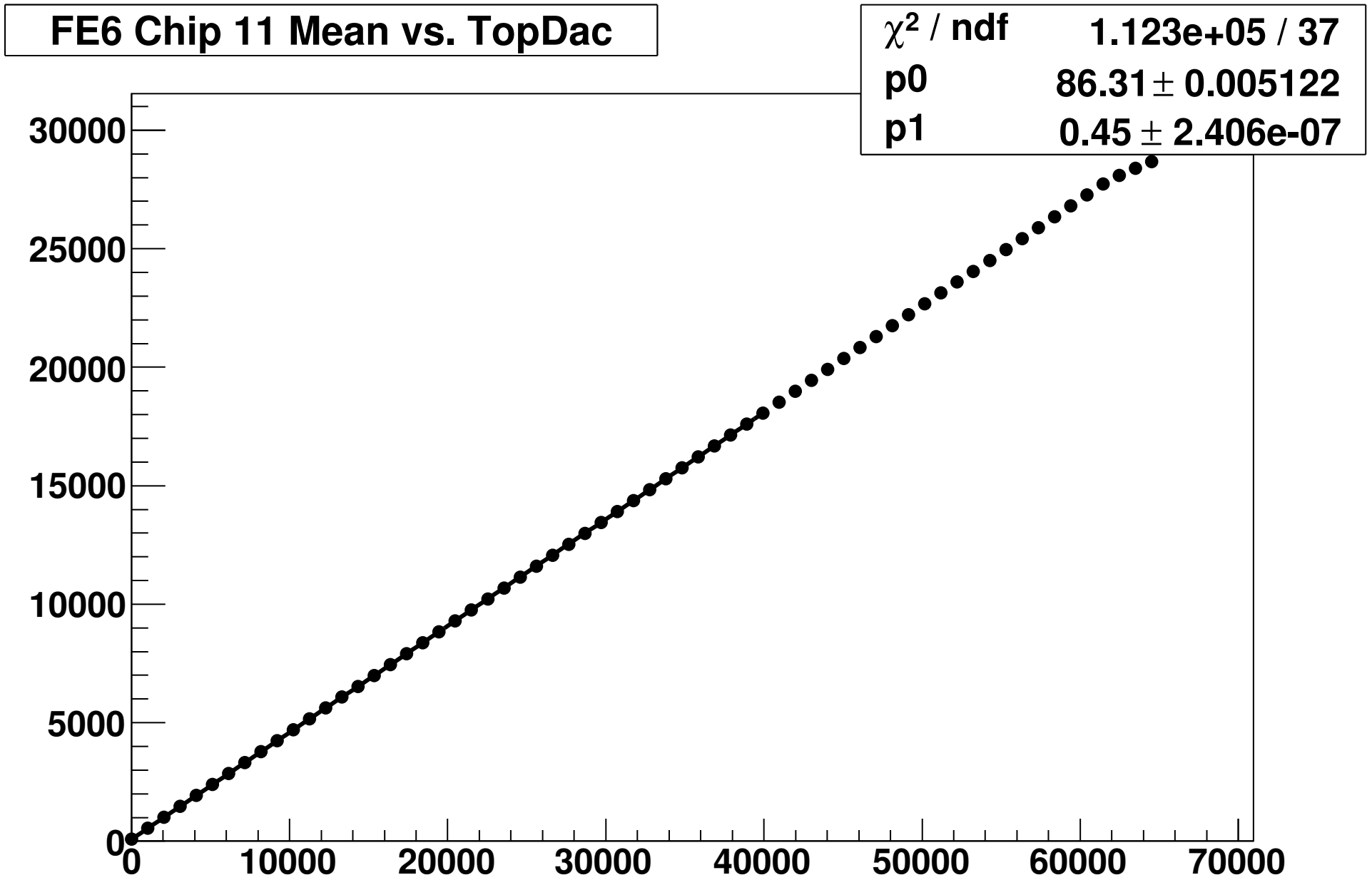

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 33.82 / 37
p0 1.486 ± 0.00179
p1 -7.639e-15 ± 1.945e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

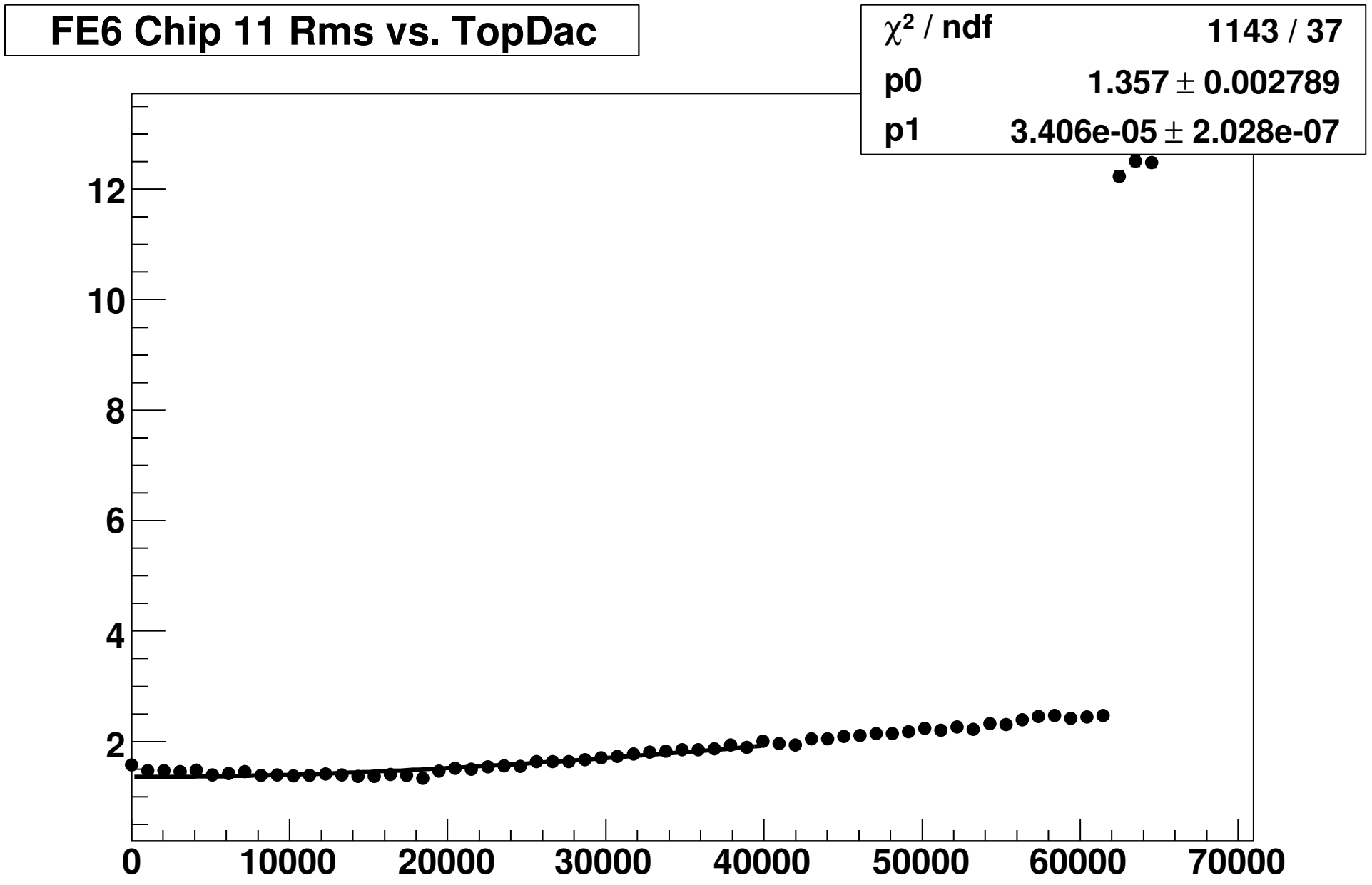

FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.085e+05 / 37
p0 82.07 ± 0.005125
p1 0.4501 ± 2.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

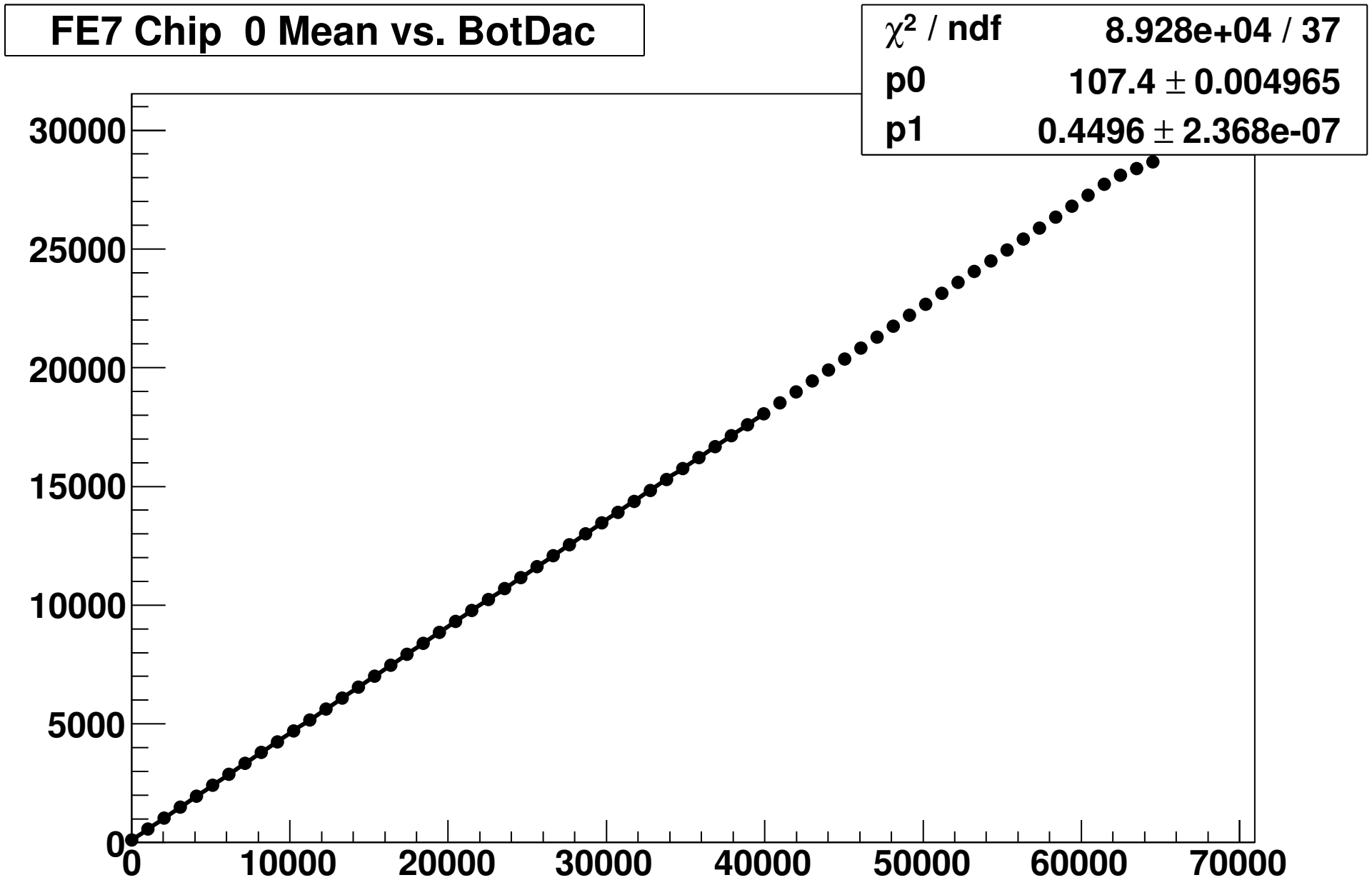

FE6 Chip 10 Rms vs. TopDac
χ² / ndf 949.3 / 37
p0 1.361 ± 0.002791
p1 3.387e-05 ± 2.039e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

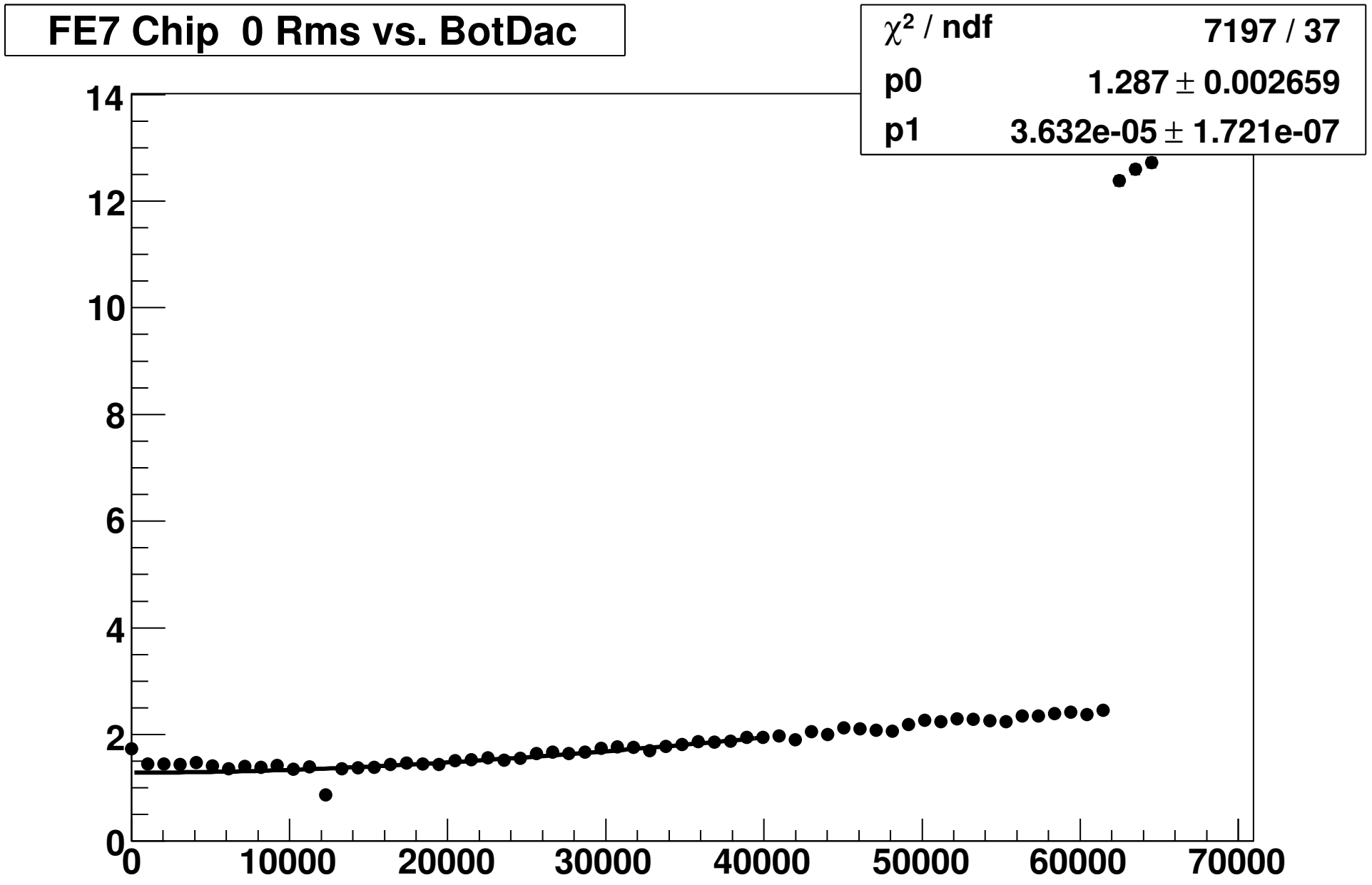

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 581.2 / 37
p0 85.08 ± 0.004966
p1 1.413e-06 ± 2.112e-07
85.4
85.3
85.2
85.1
85
0
10000
20000
30000
40000
50000
60000
70000

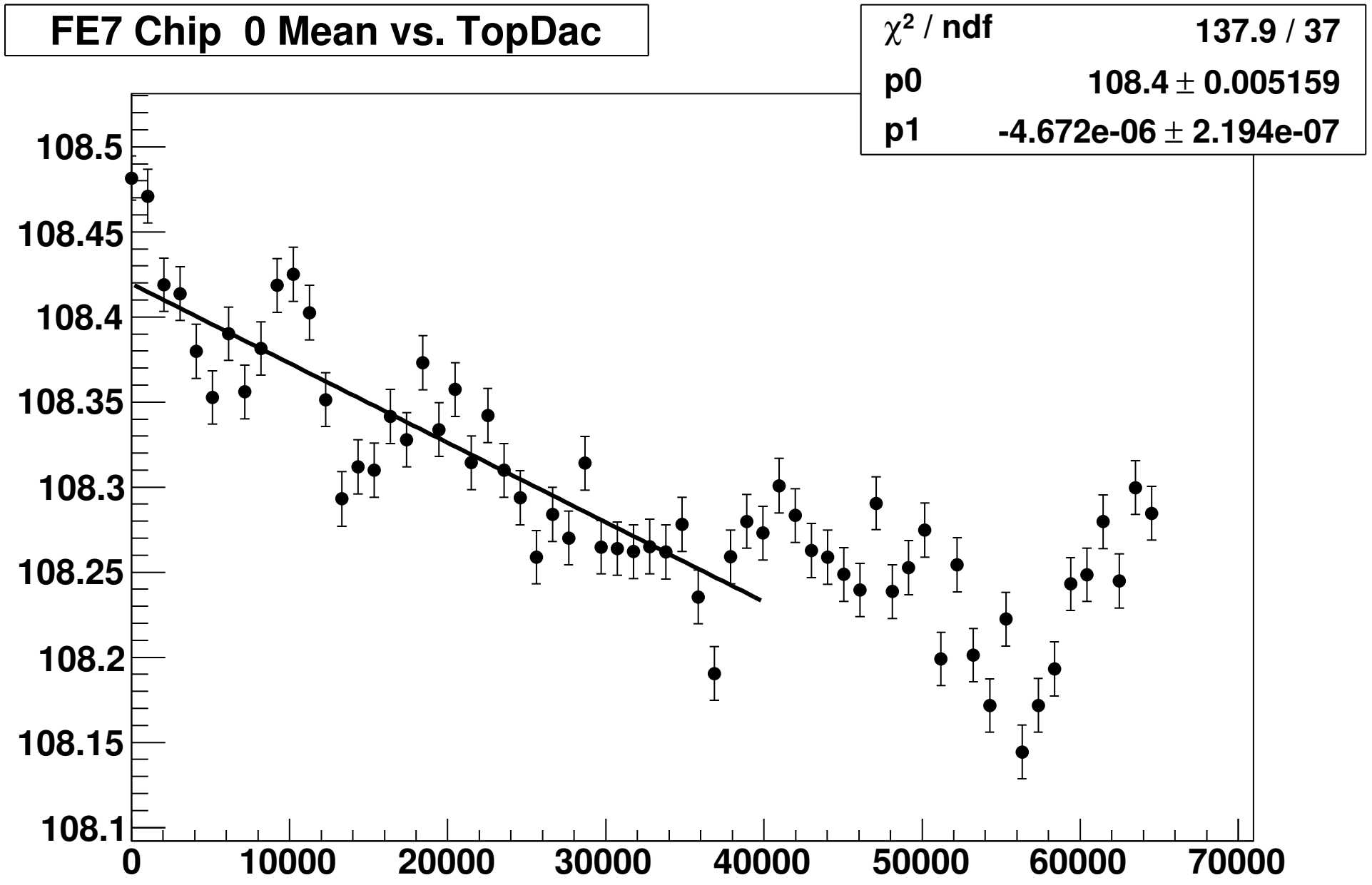

FE6 Chip 11 Rms vs. BotDac
χ² / ndf 33.51 / 37
p0 1.435 ± 0.001733
p1 -2.25e-14 ± 3.981e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

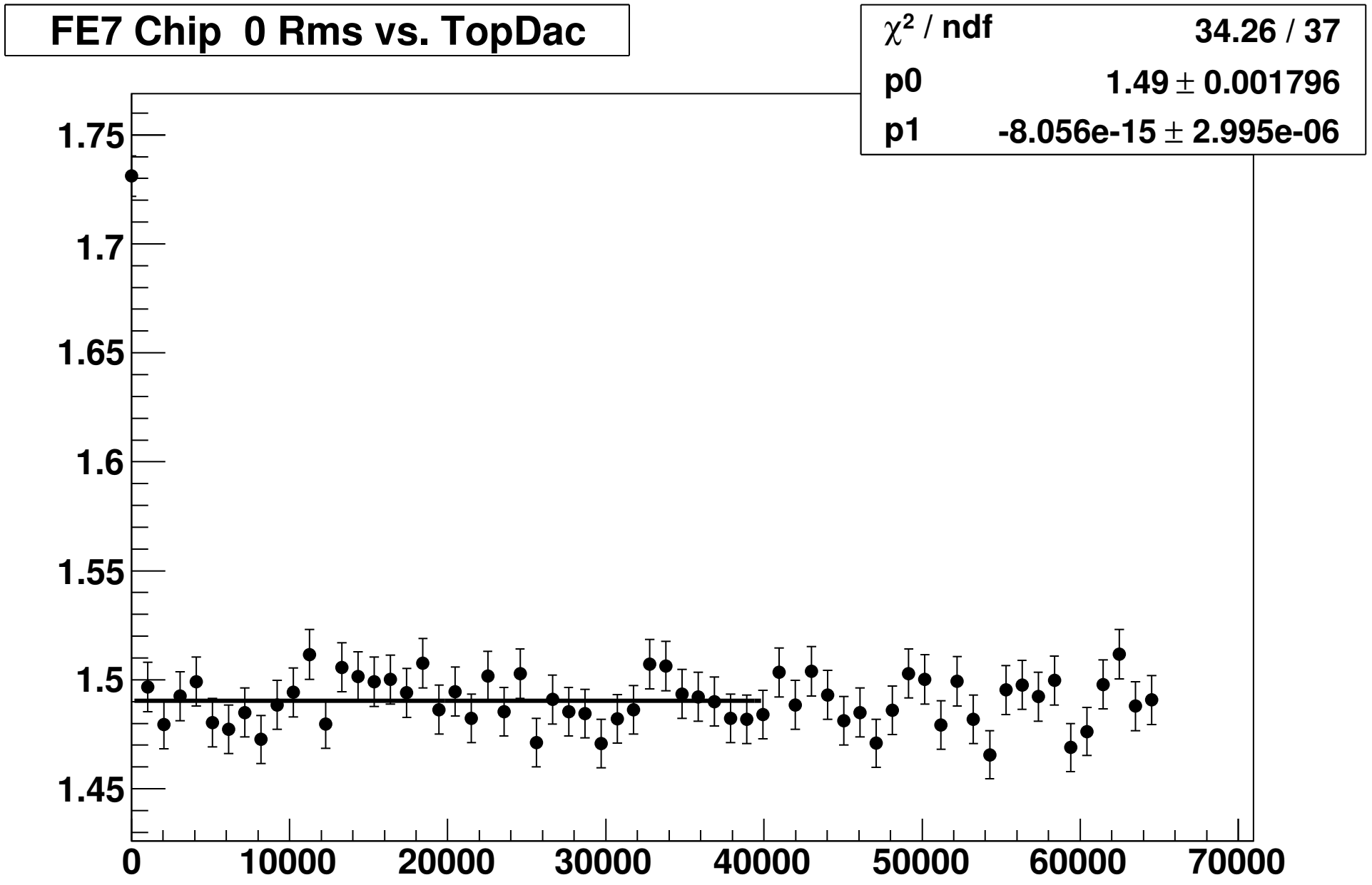

FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.123e+05 / 37
p0 86.31 ± 0.005122
p1 0.45 ± 2.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

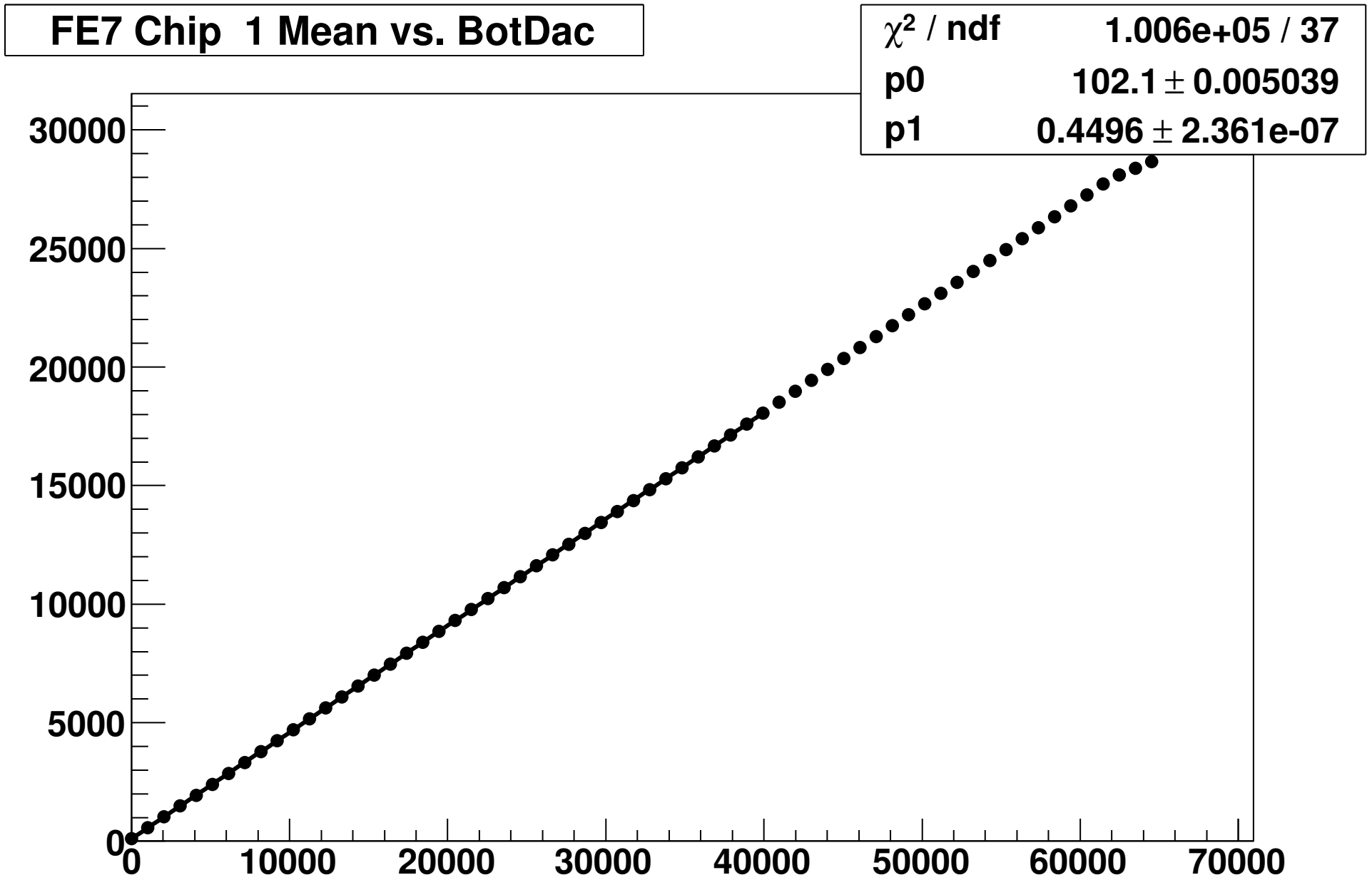

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1143 / 37
p0 1.357 ± 0.002789
p1 3.406e-05 ± 2.028e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

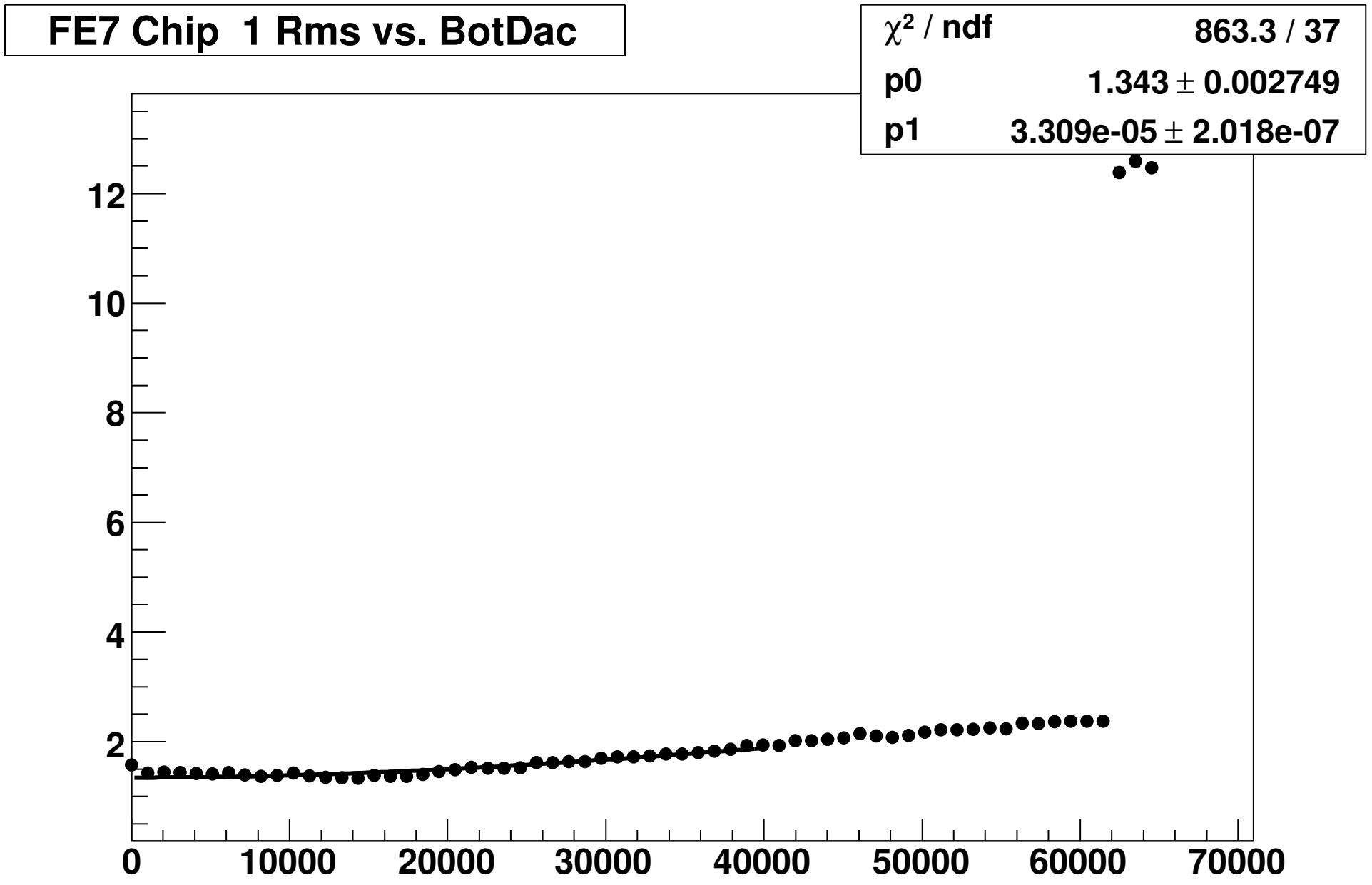

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 8.928e+04 / 37
p0 107.4 ± 0.004965
p1 0.4496 ± 2.368e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

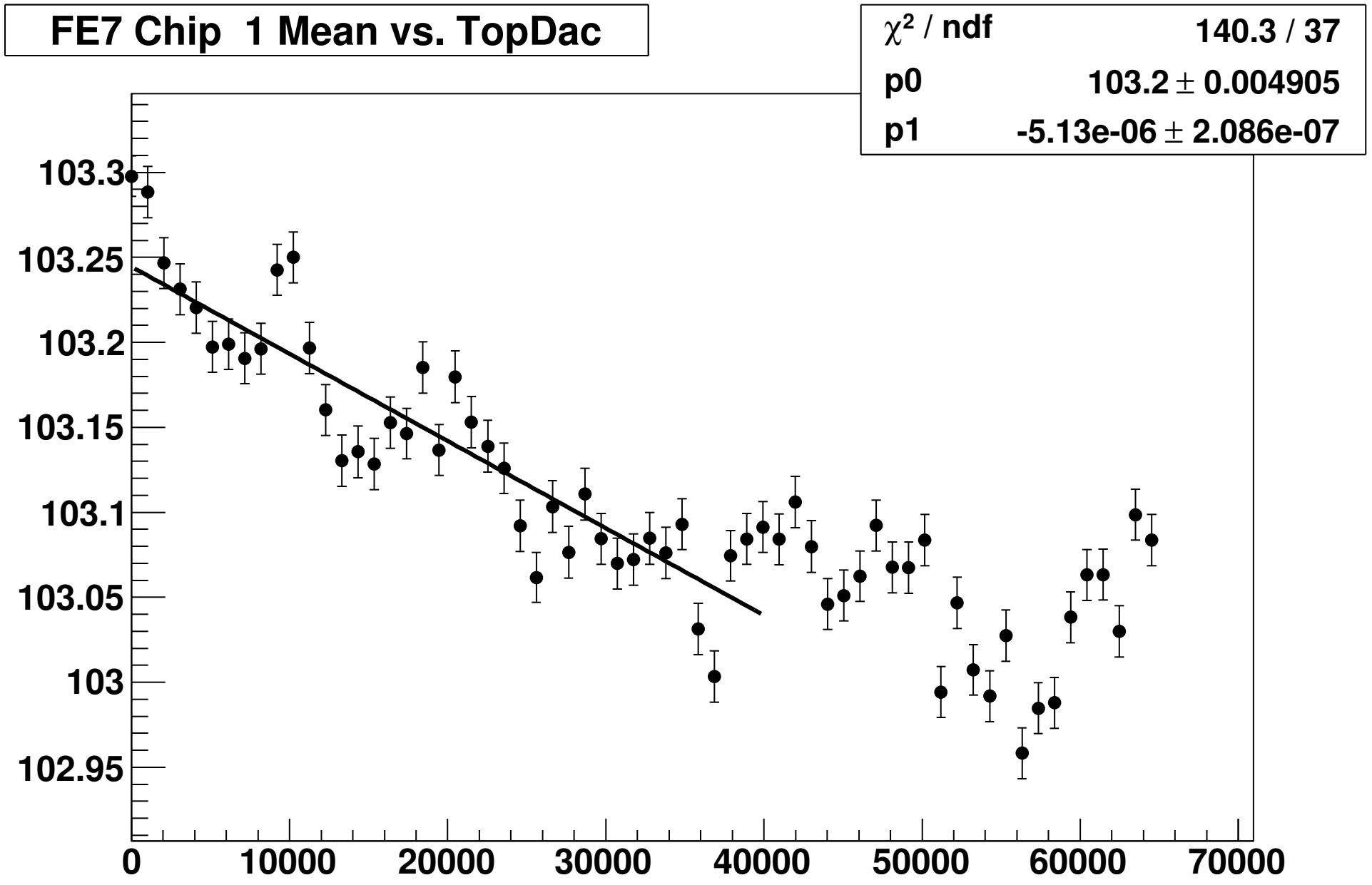

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 7197 / 37
p0 1.287 ± 0.002659
p1 3.632e-05 ± 1.721e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

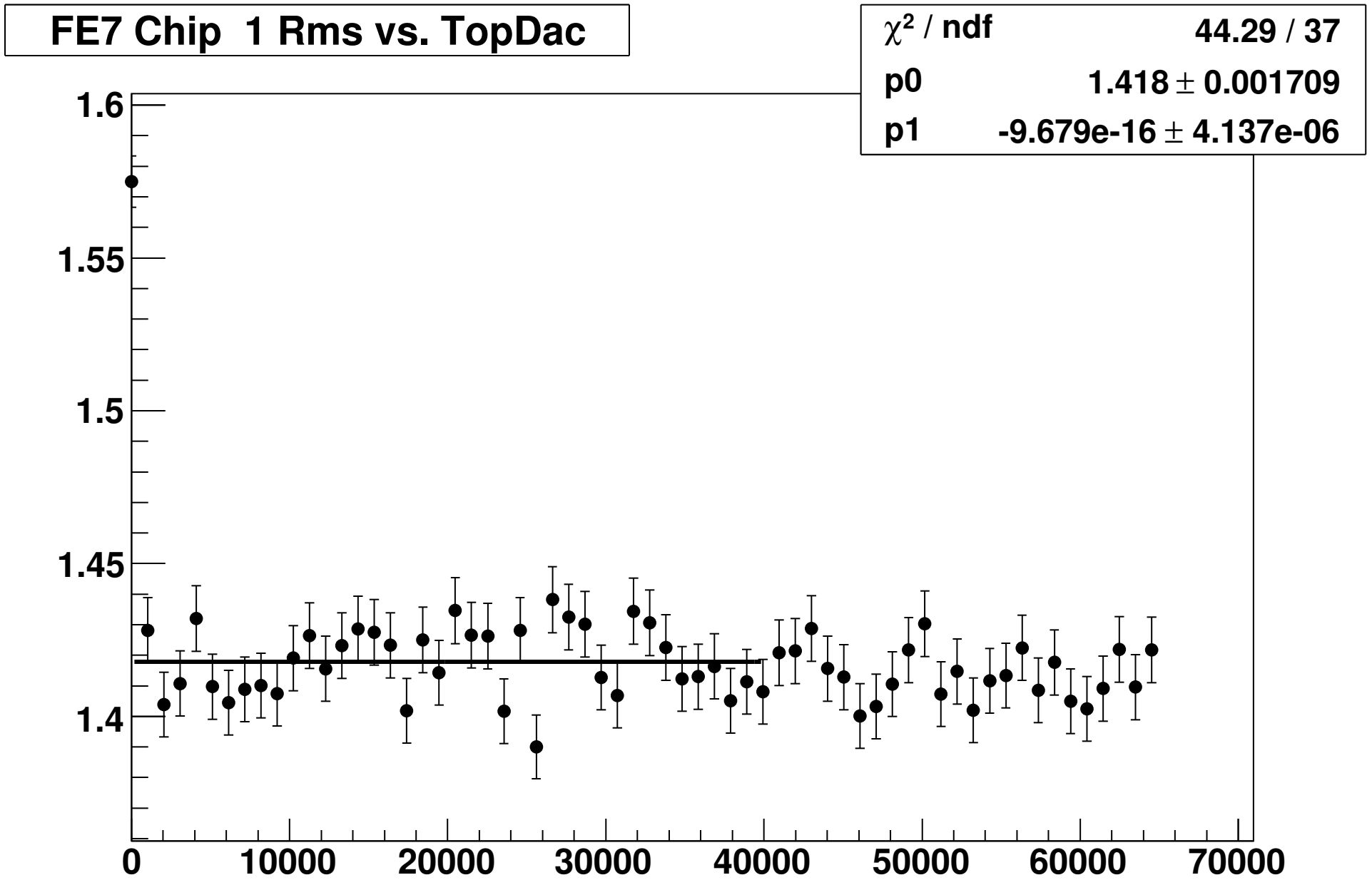

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 137.9 / 37
p0 108.4 ± 0.005159
p1 -4.672e-06 ± 2.194e-07
108.5
108.45
108.4
108.35
108.3
108.25
108.2
108.15
108.1
0
10000
20000
30000
40000
50000
60000
70000

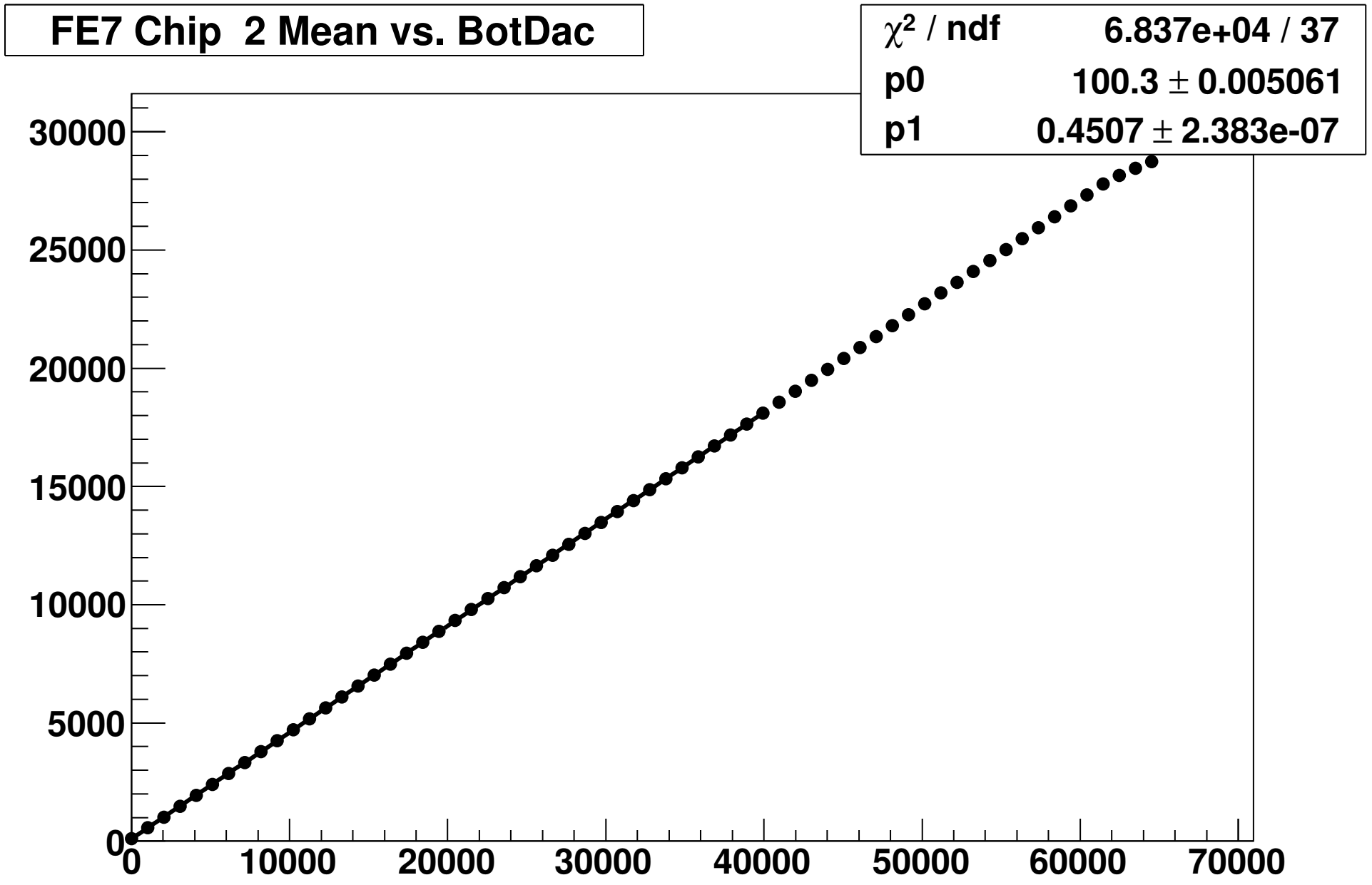

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 34.26 / 37
p0 1.49 ± 0.001796
p1 -8.056e-15 ± 2.995e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

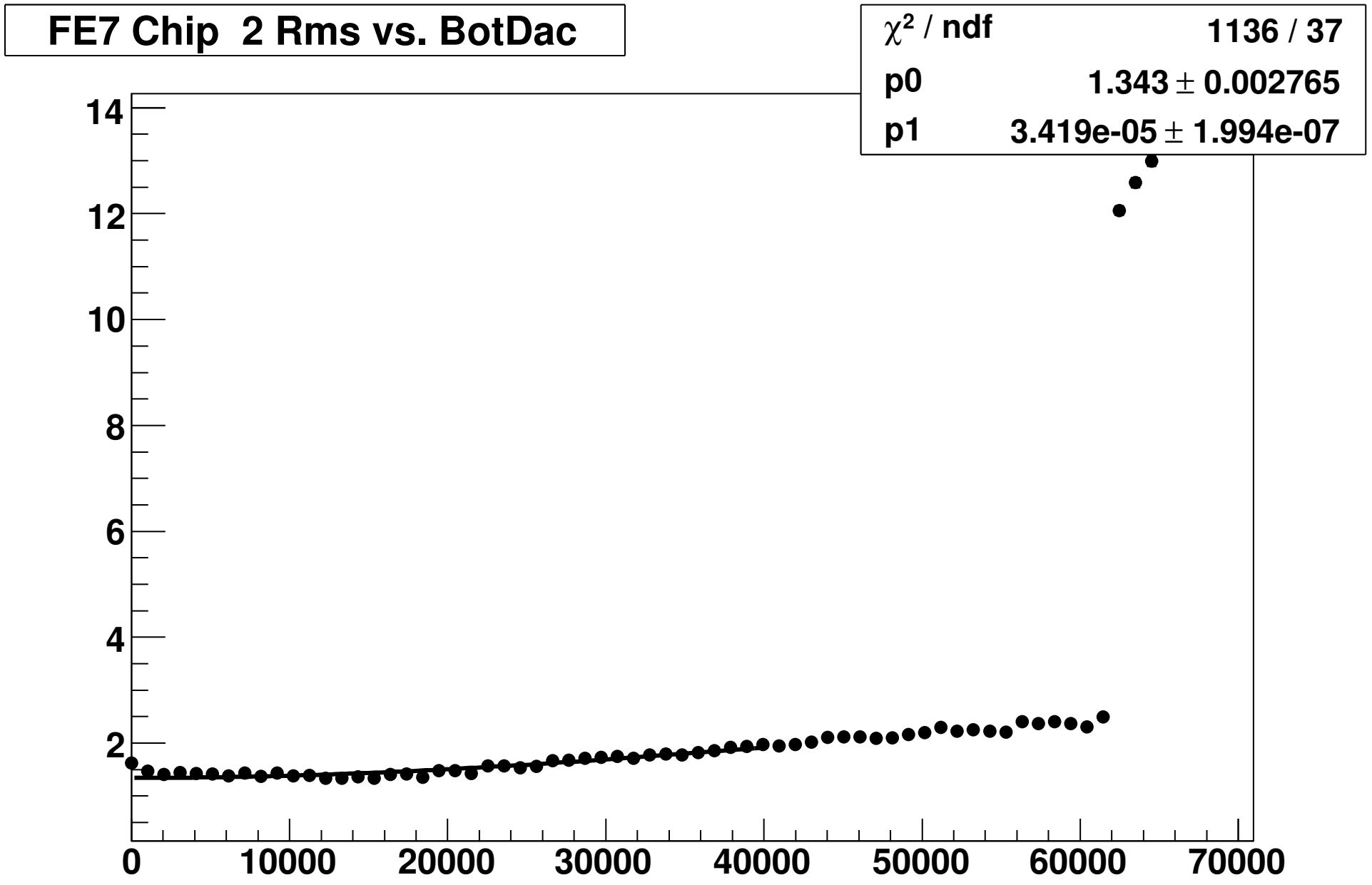

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.006e+05 / 37
p0 102.1 ± 0.005039
p1 0.4496 ± 2.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

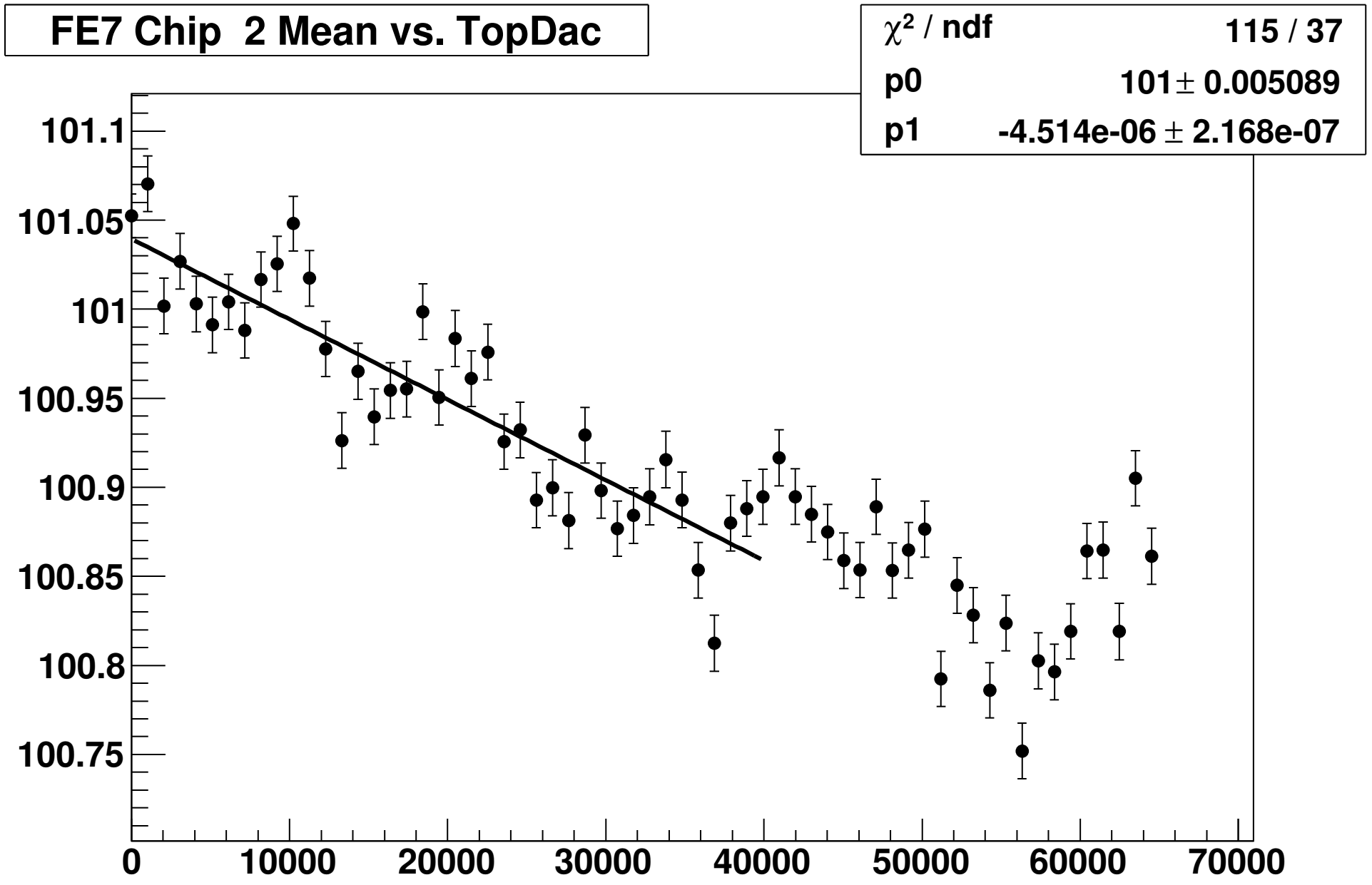

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 863.3 / 37
p0 1.343 ± 0.002749
p1 3.309e-05 ± 2.018e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

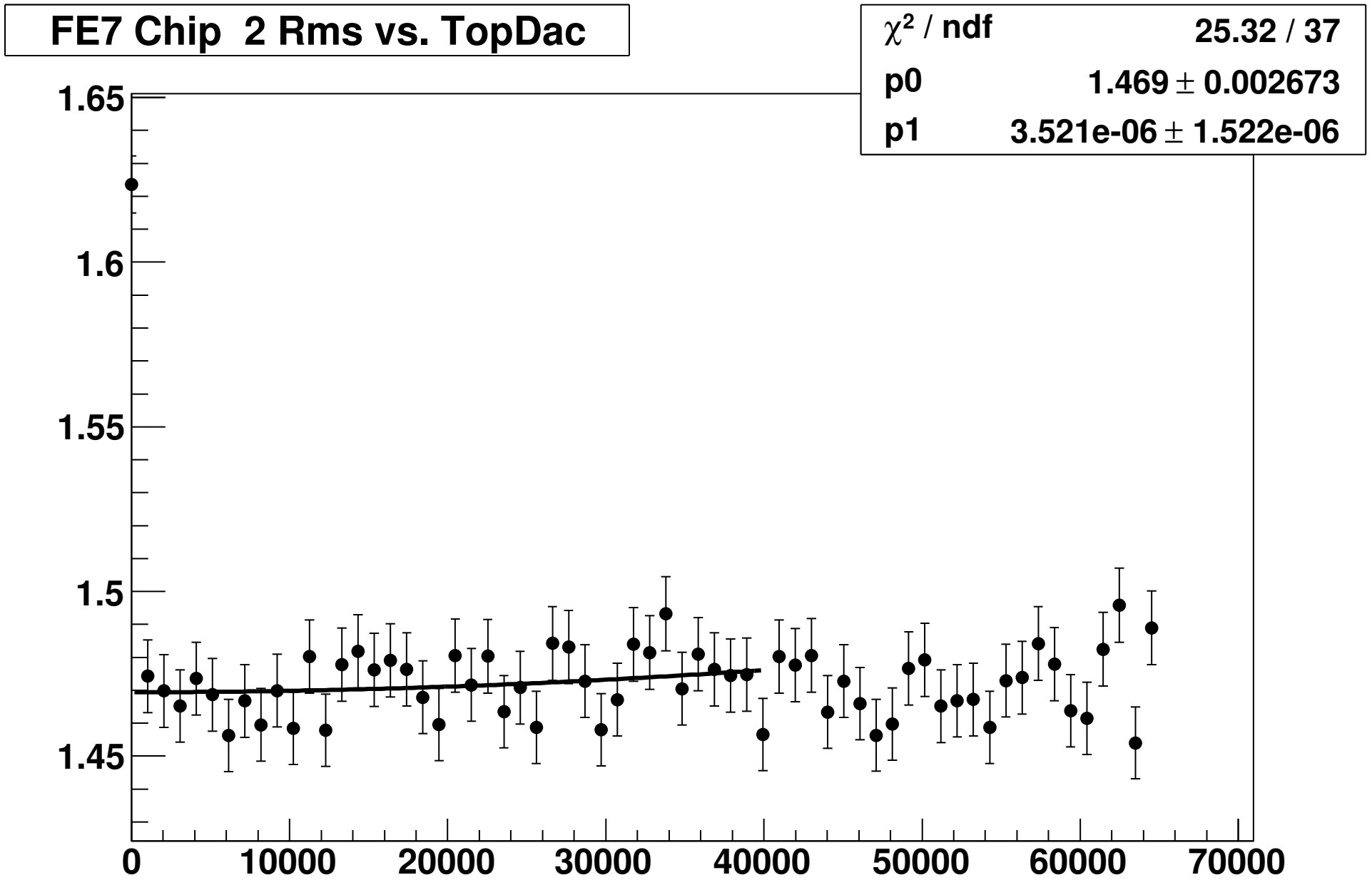

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 140.3 / 37
p0 103.2 ± 0.004905
p1 -5.13e-06 ± 2.086e-07
103.3
103.25
103.2
103.15
103.1
103.05
103
102.95
0
10000
20000
30000
40000
50000
60000
70000

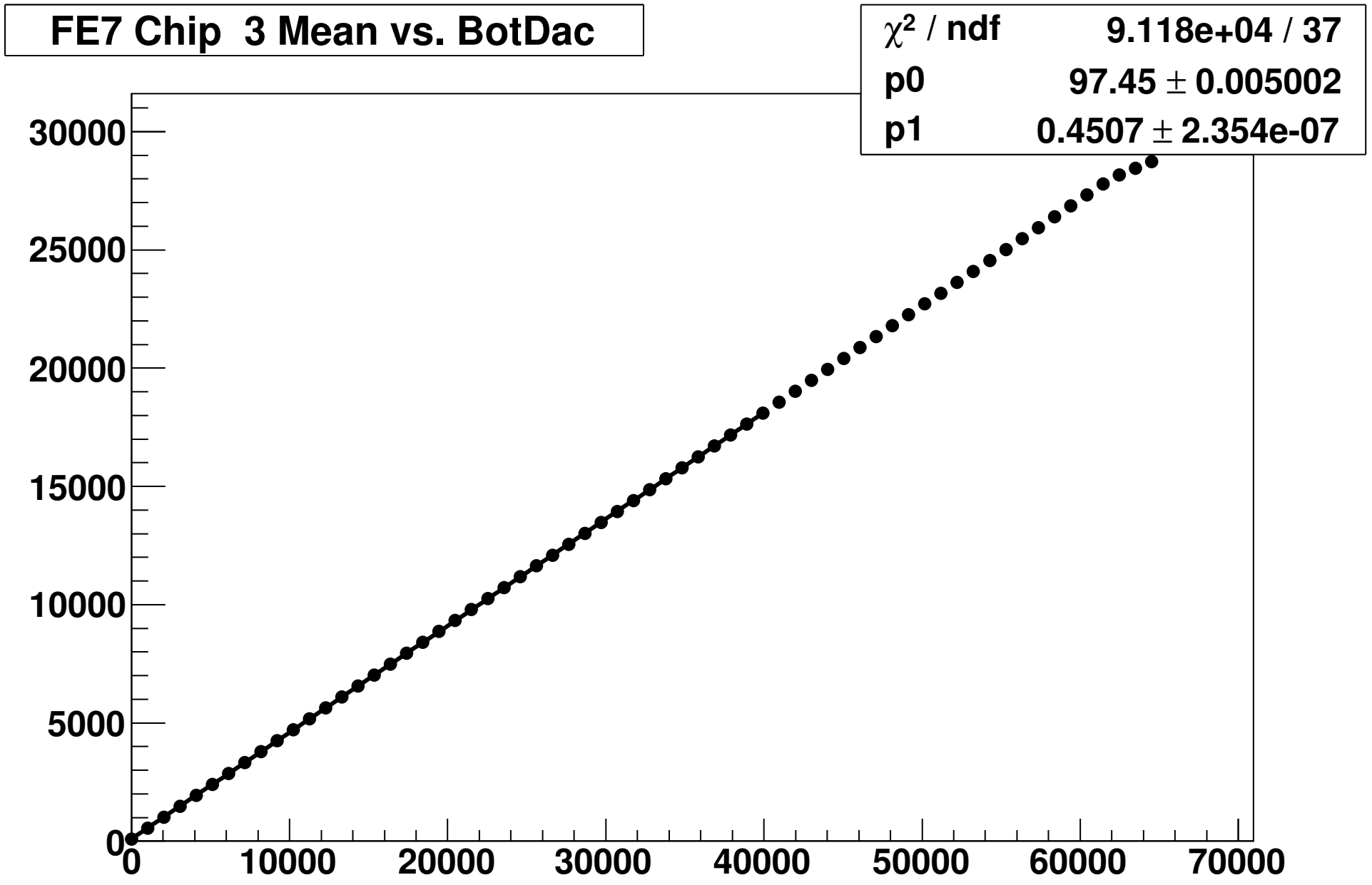

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 44.29 / 37
p0 1.418 ± 0.001709
p1 -9.679e-16 ± 4.137e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

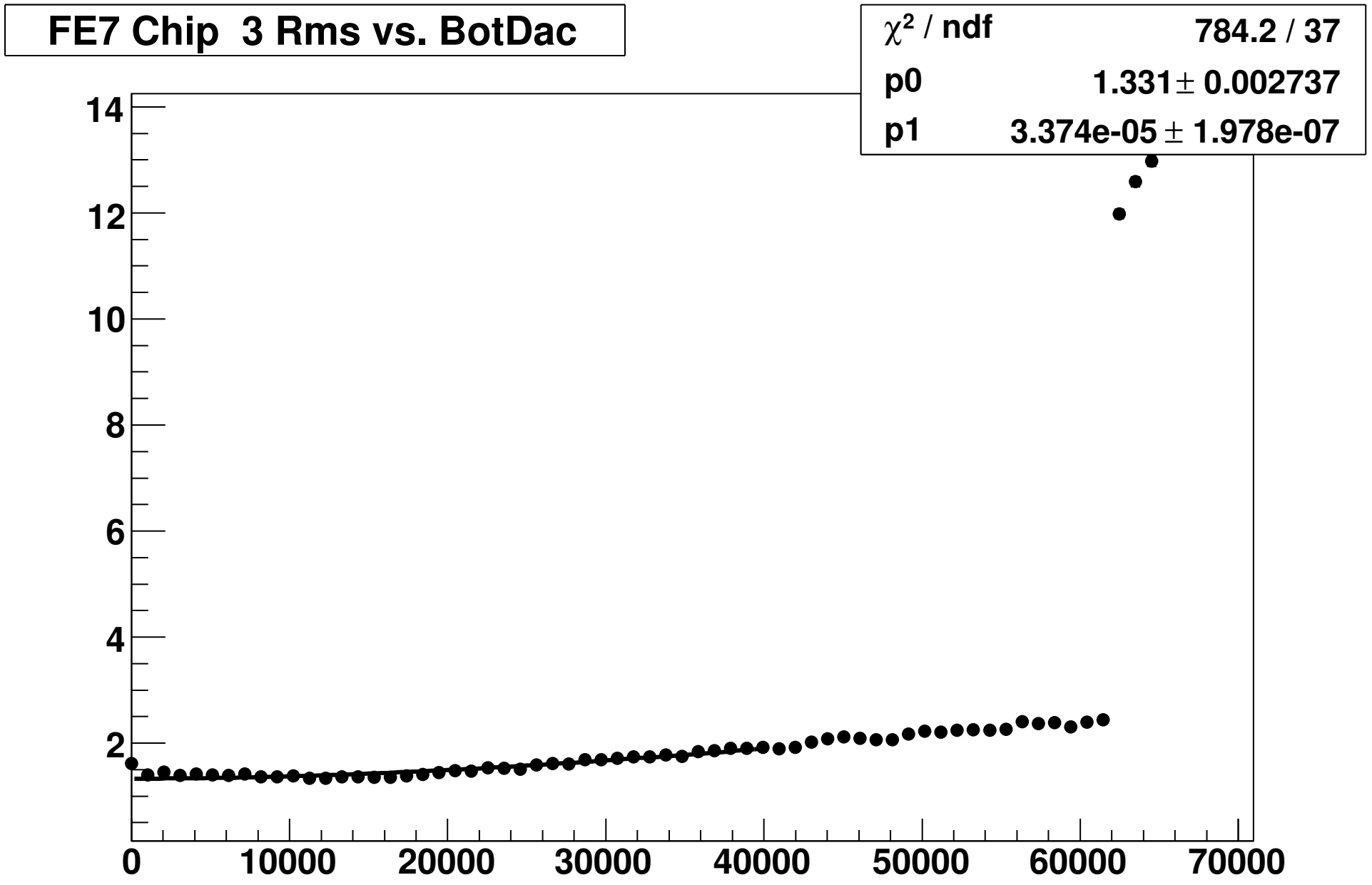

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 6.837e+04 / 37
p0 100.3 ± 0.005061
p1 0.4507 ± 2.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

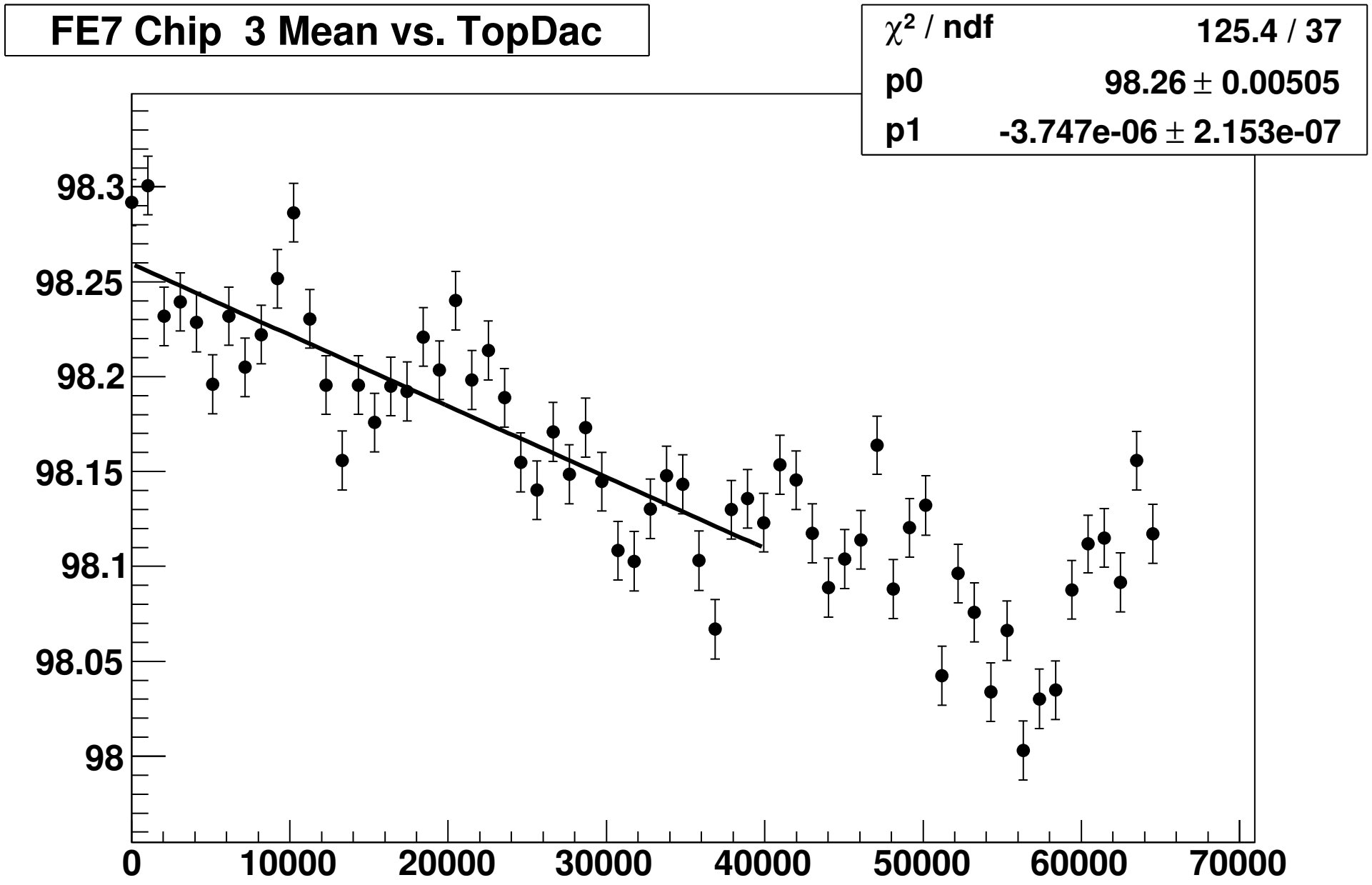

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1136 / 37
p0 1.343 ± 0.002765
p1 3.419e-05 ± 1.994e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

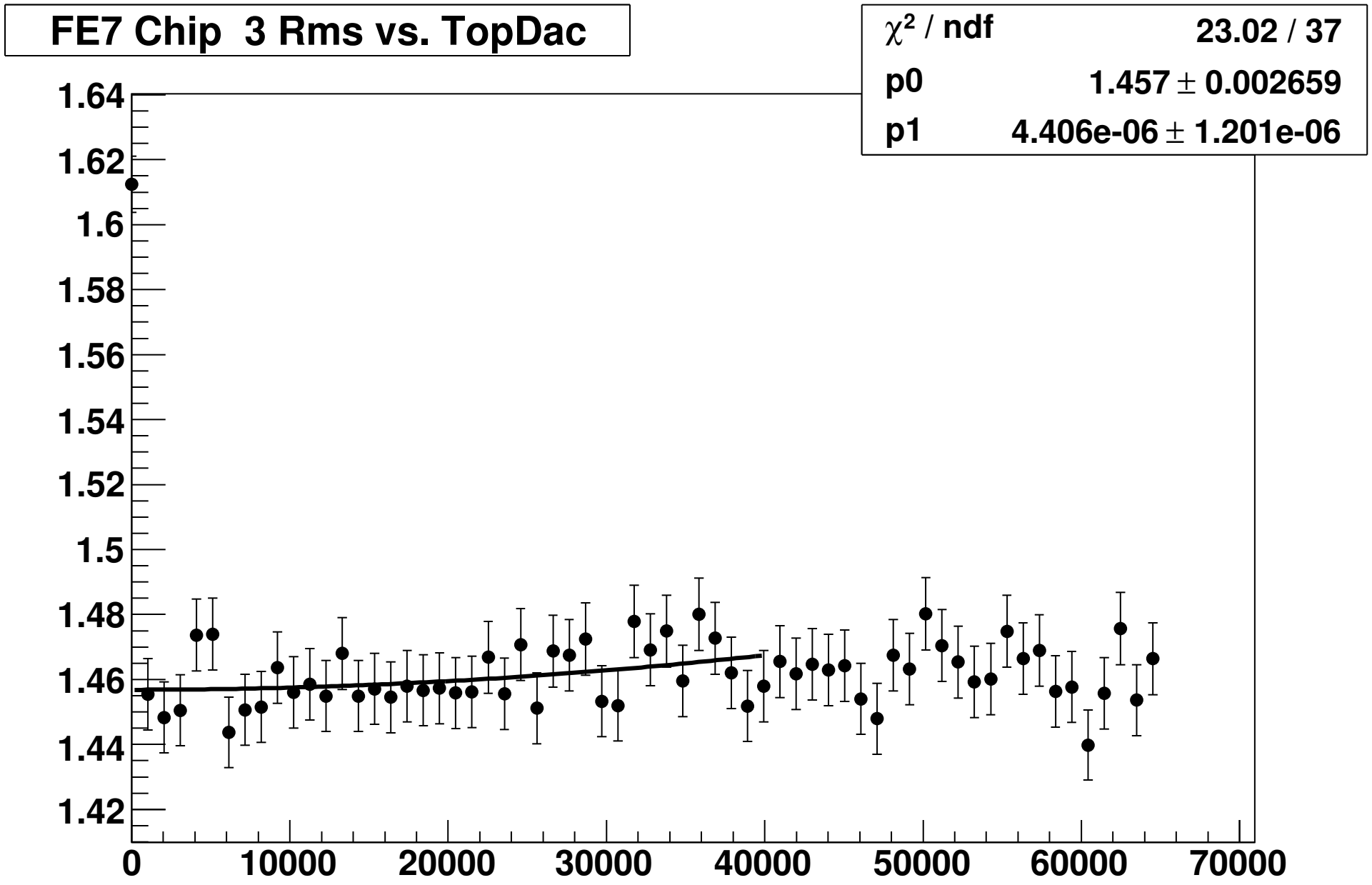

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 115 / 37
p0 101 ± 0.005089
p1 -4.514e-06 ± 2.168e-07
101.1
101.05
101
100.95
100.9
100.85
100.8
100.75
0
10000
20000
30000
40000
50000
60000
70000

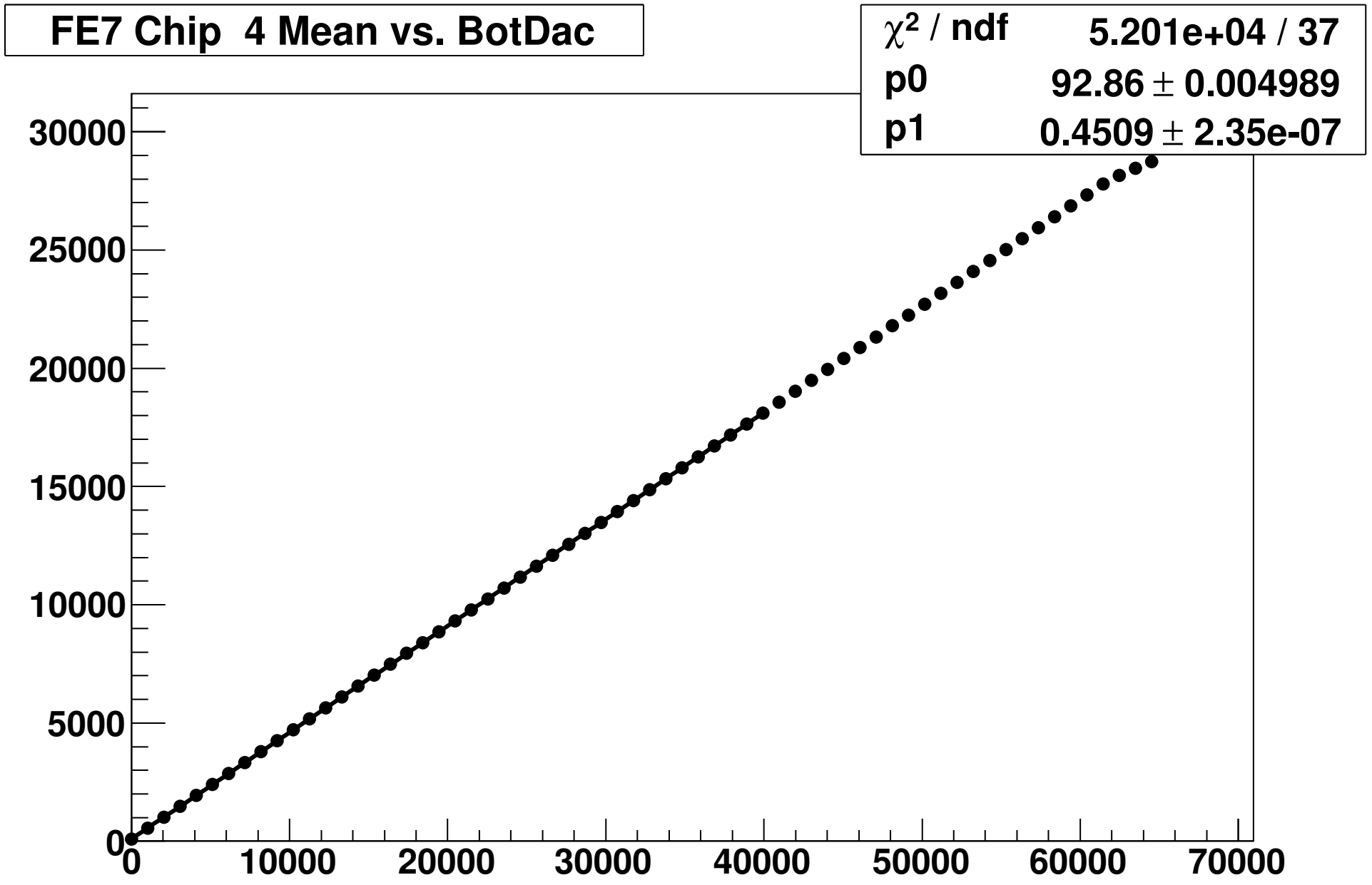

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 25.32 / 37
p0 1.469 ± 0.002673
p1 3.521e-06 ± 1.522e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

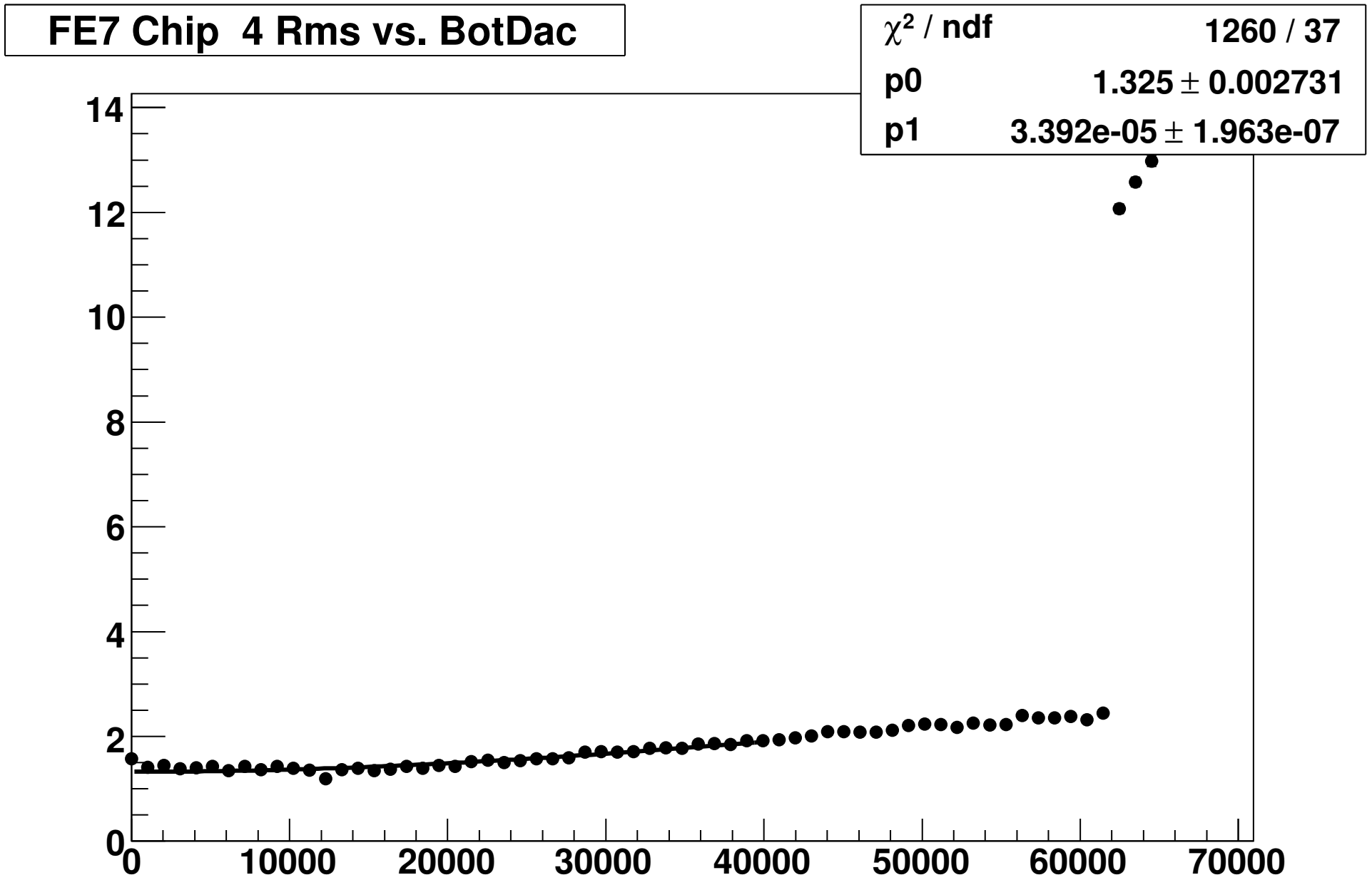

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 9.118e+04 / 37
p0 97.45 ± 0.005002
p1 0.4507 ± 2.354e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

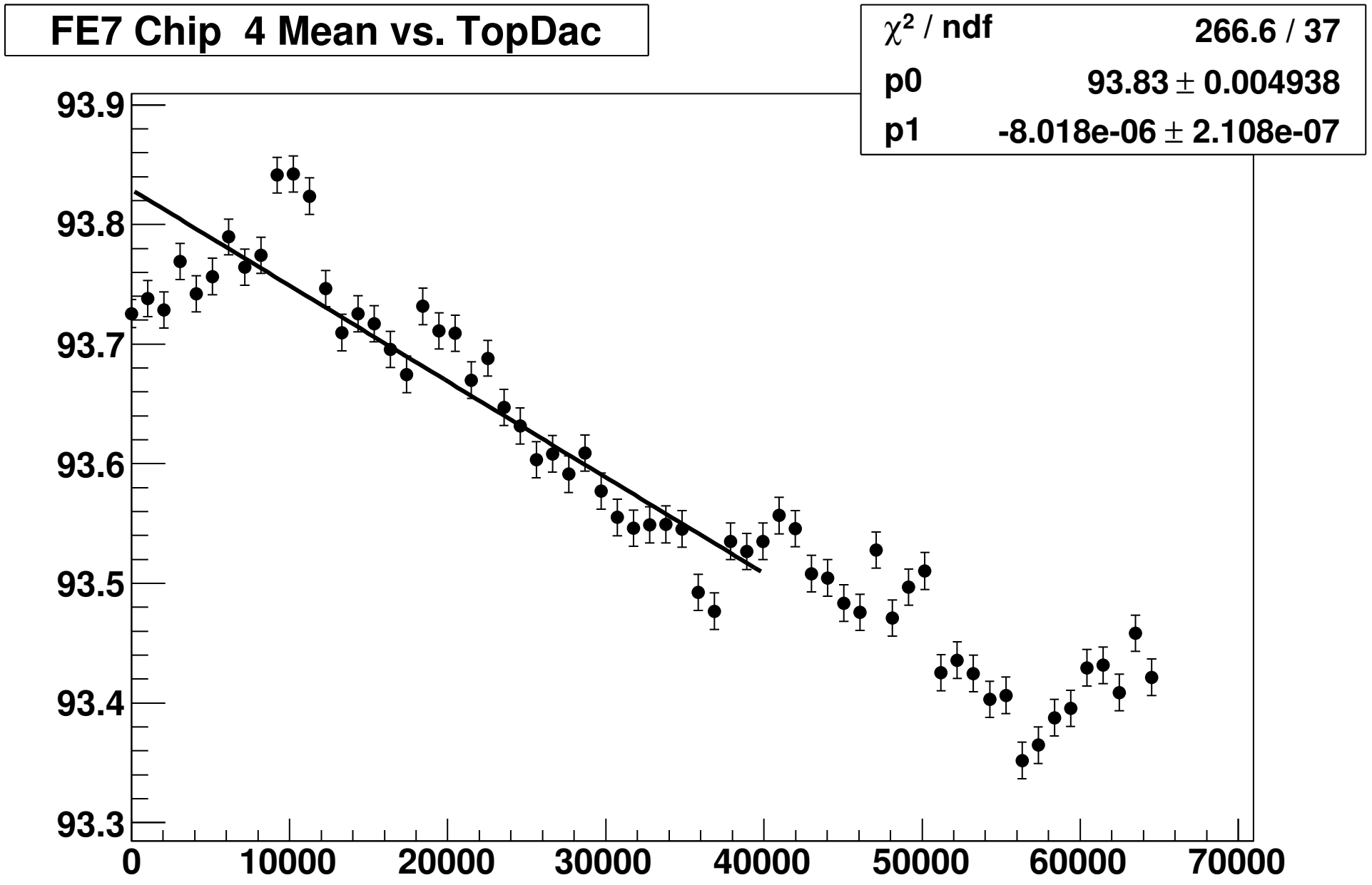

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 784.2 / 37
p0 1.331 ± 0.002737
p1 3.374e-05 ± 1.978e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

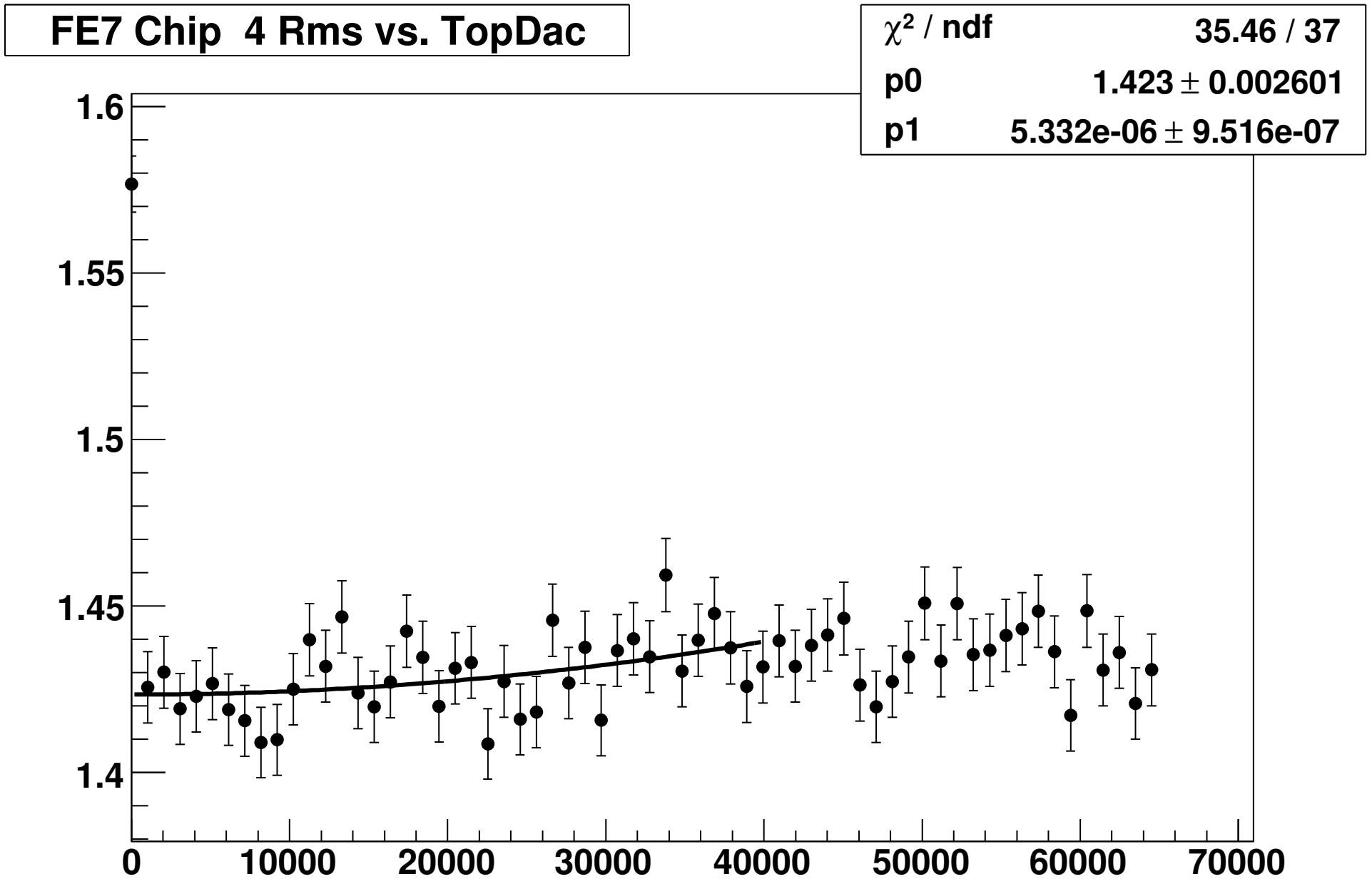

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 125.4 / 37
p0 98.26 ± 0.00505
p1 -3.747e-06 ± 2.153e-07
98.3
98.25
98.2
98.15
98.1
98.05
98
0
10000
20000
30000
40000
50000
60000
70000

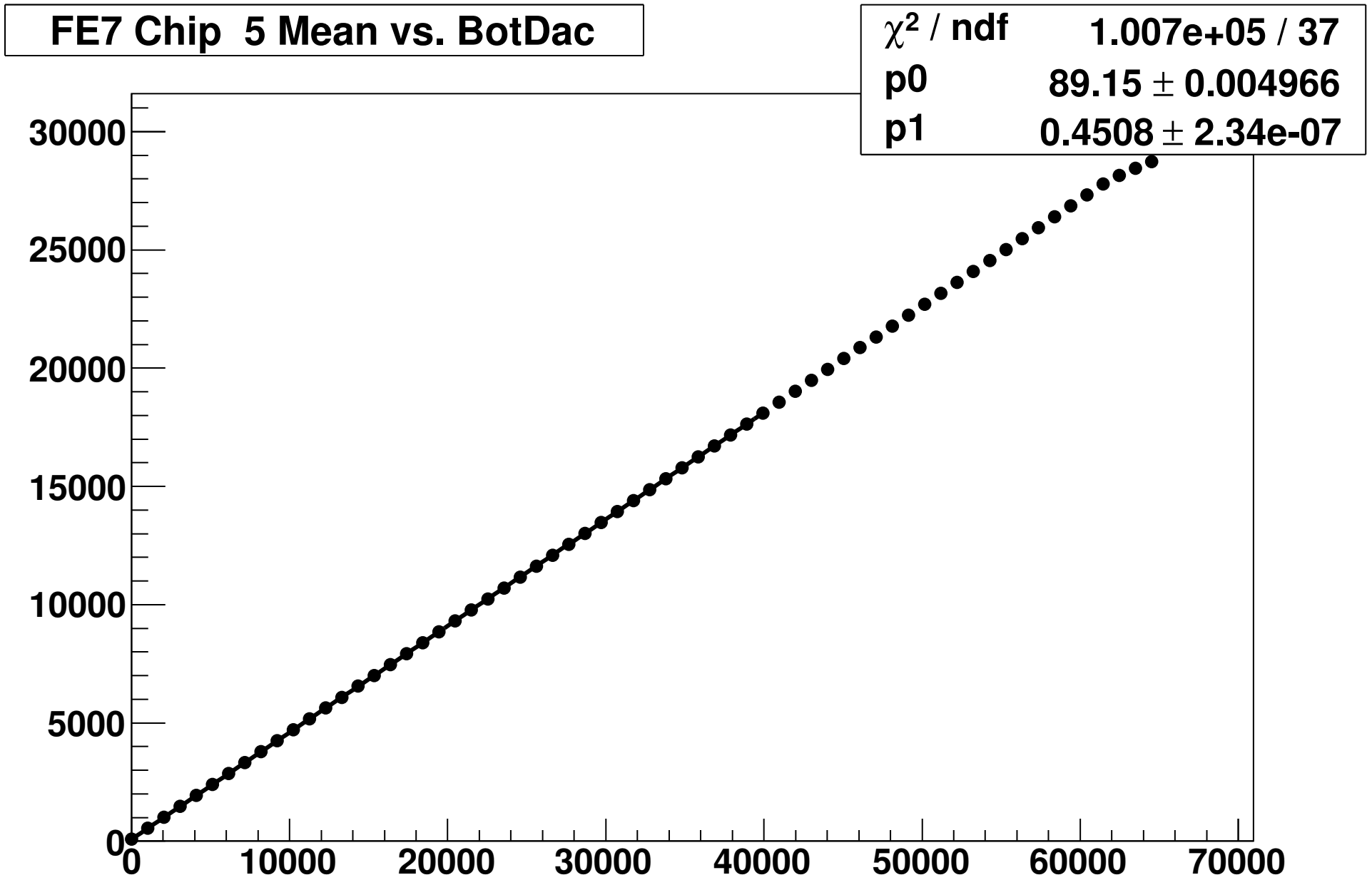

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 23.02 / 37
p0 1.457 ± 0.002659
p1 4.406e-06 ± 1.201e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

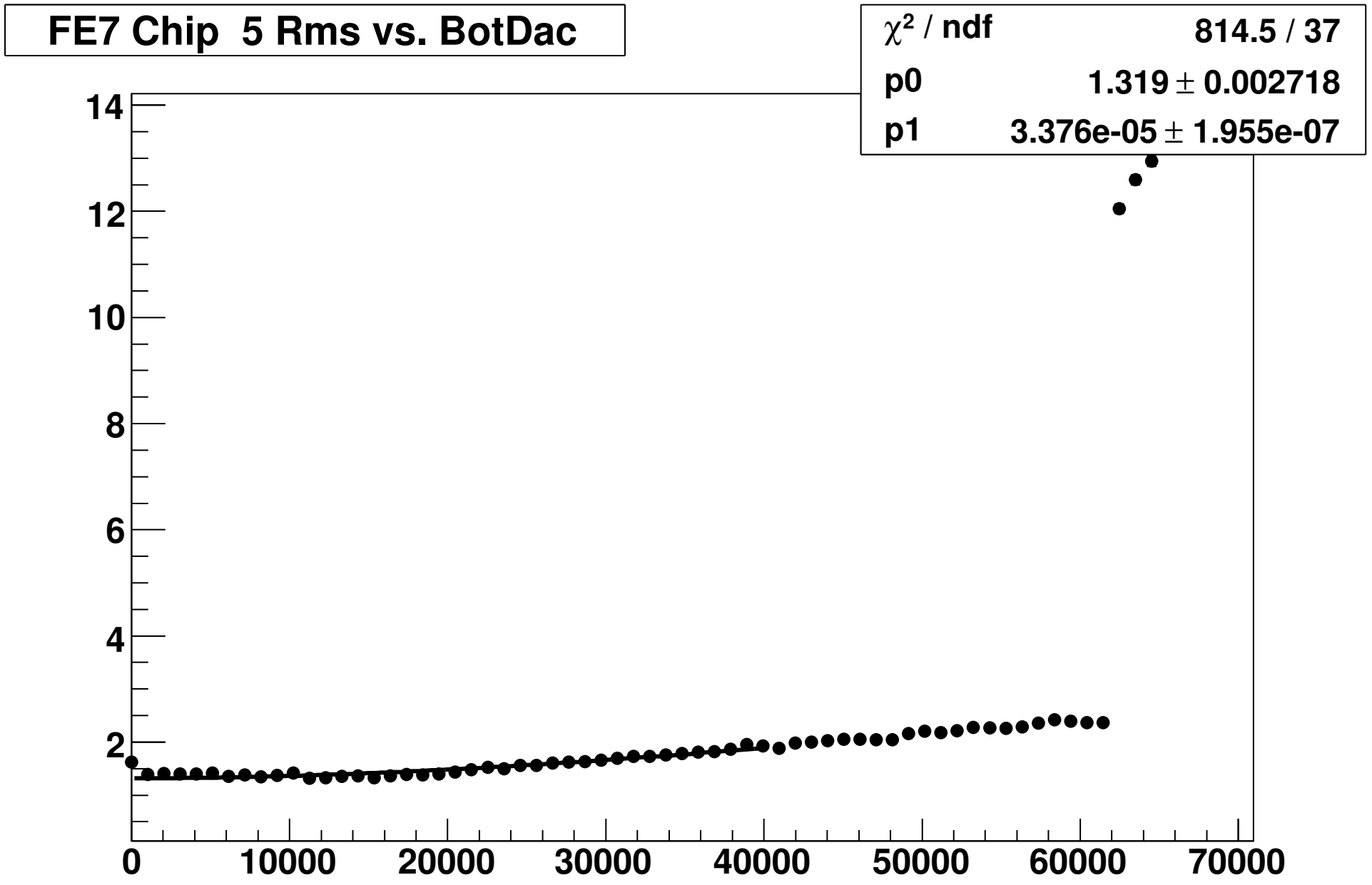

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 5.201e+04 / 37
p0 92.86 ± 0.004989
p1 0.4509 ± 2.35e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

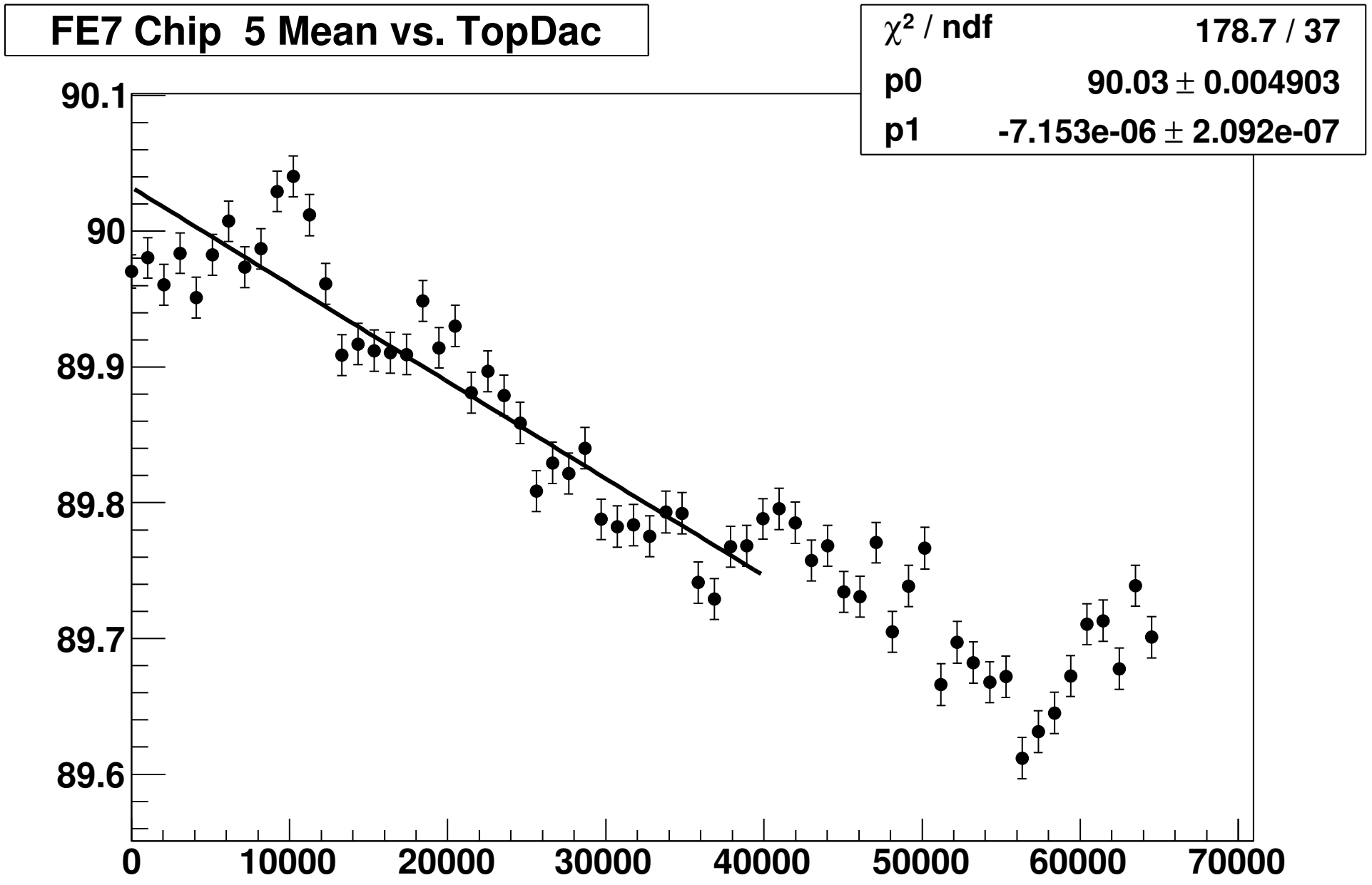

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1260 / 37
p0 1.325 ± 0.002731
p1 3.392e-05 ± 1.963e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

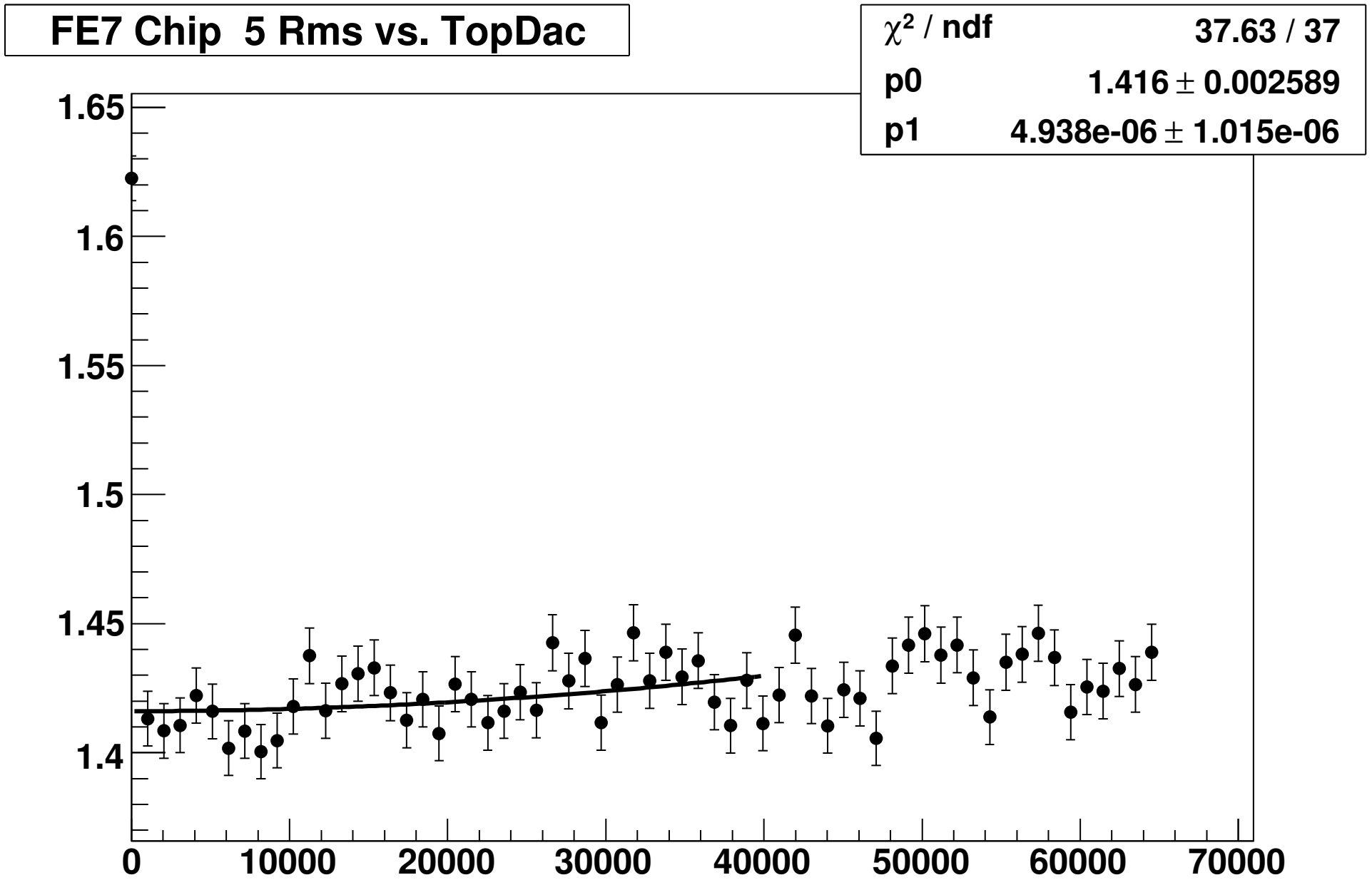

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 266.6 / 37
p0 93.83 ± 0.004938
p1 -8.018e-06 ± 2.108e-07
93.9
93.8
93.7
93.6
93.5
93.4
93.3
0
10000
20000
30000
40000
50000
60000
70000

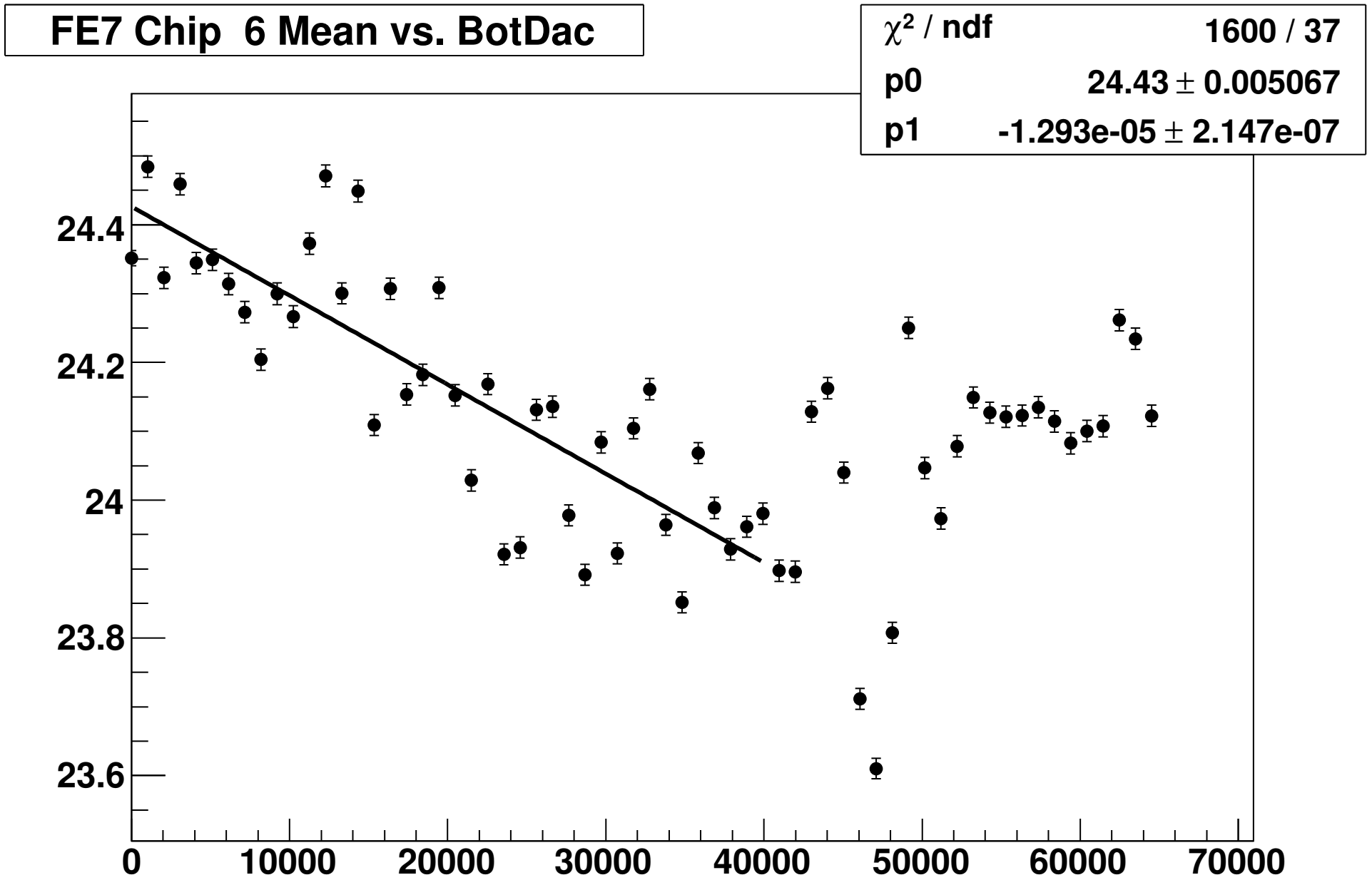

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 35.46 / 37
p0 1.423 ± 0.002601
p1 5.332e-06 ± 9.516e-07
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

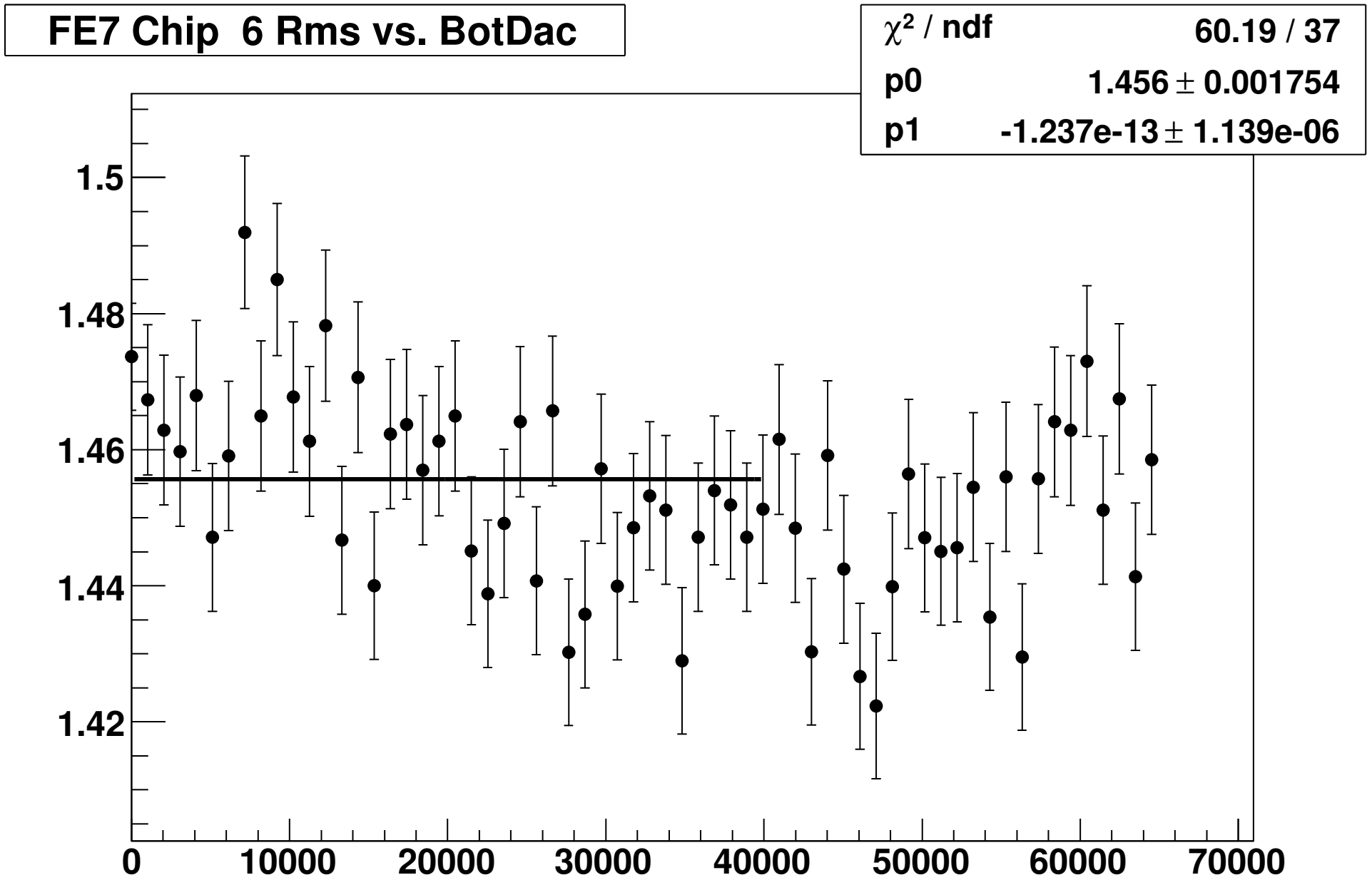

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.007e+05 / 37
p0 89.15 ± 0.004966
p1 0.4508 ± 2.34e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

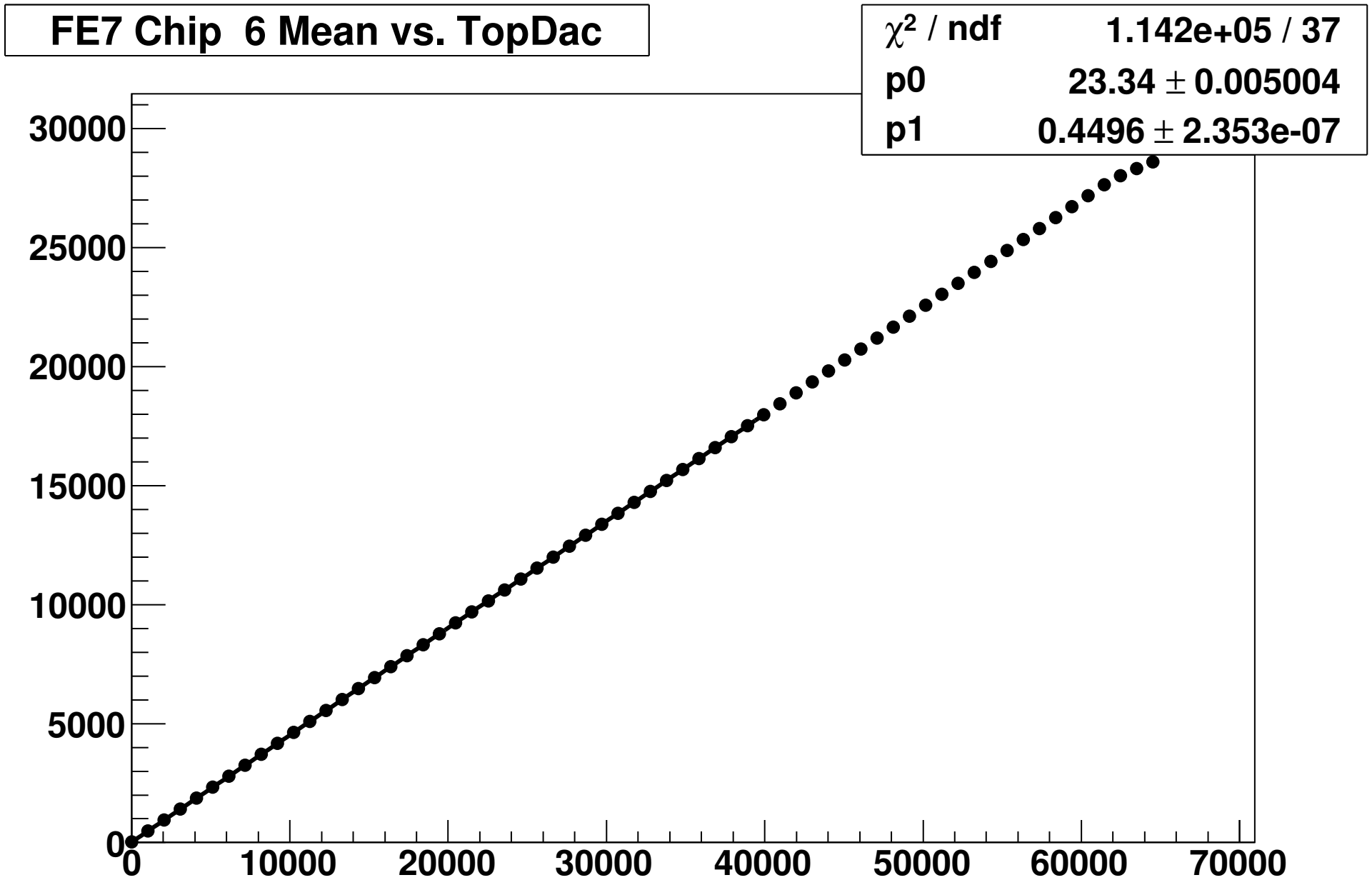

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 814.5 / 37
p0 1.319 ± 0.002718
p1 3.376e-05 ± 1.955e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

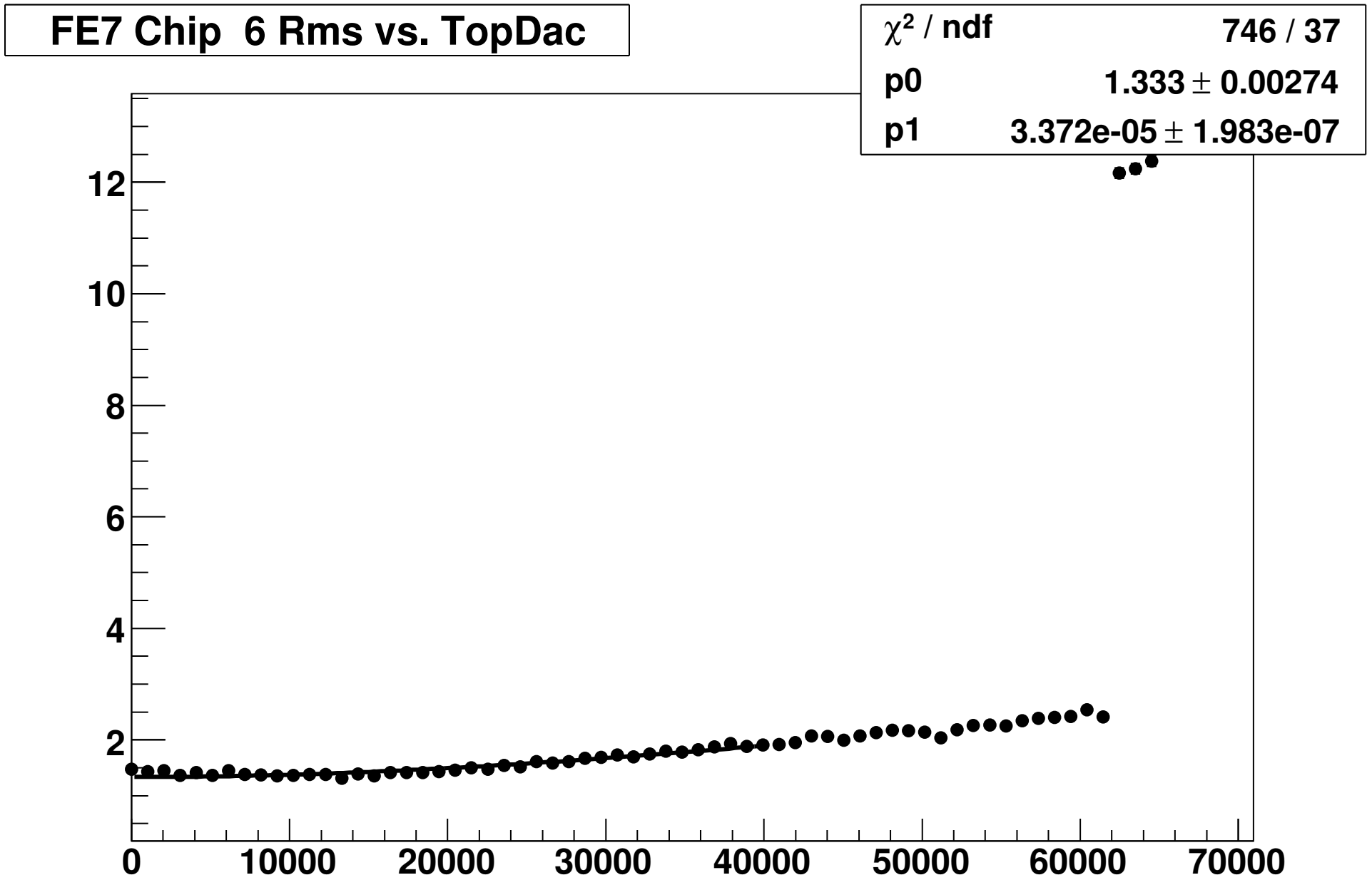

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 178.7 / 37
p0 90.03 ± 0.004903
p1 -7.153e-06 ± 2.092e-07
90.1
90
89.9
89.8
89.7
89.6
0
10000
20000
30000
40000
50000
60000
70000

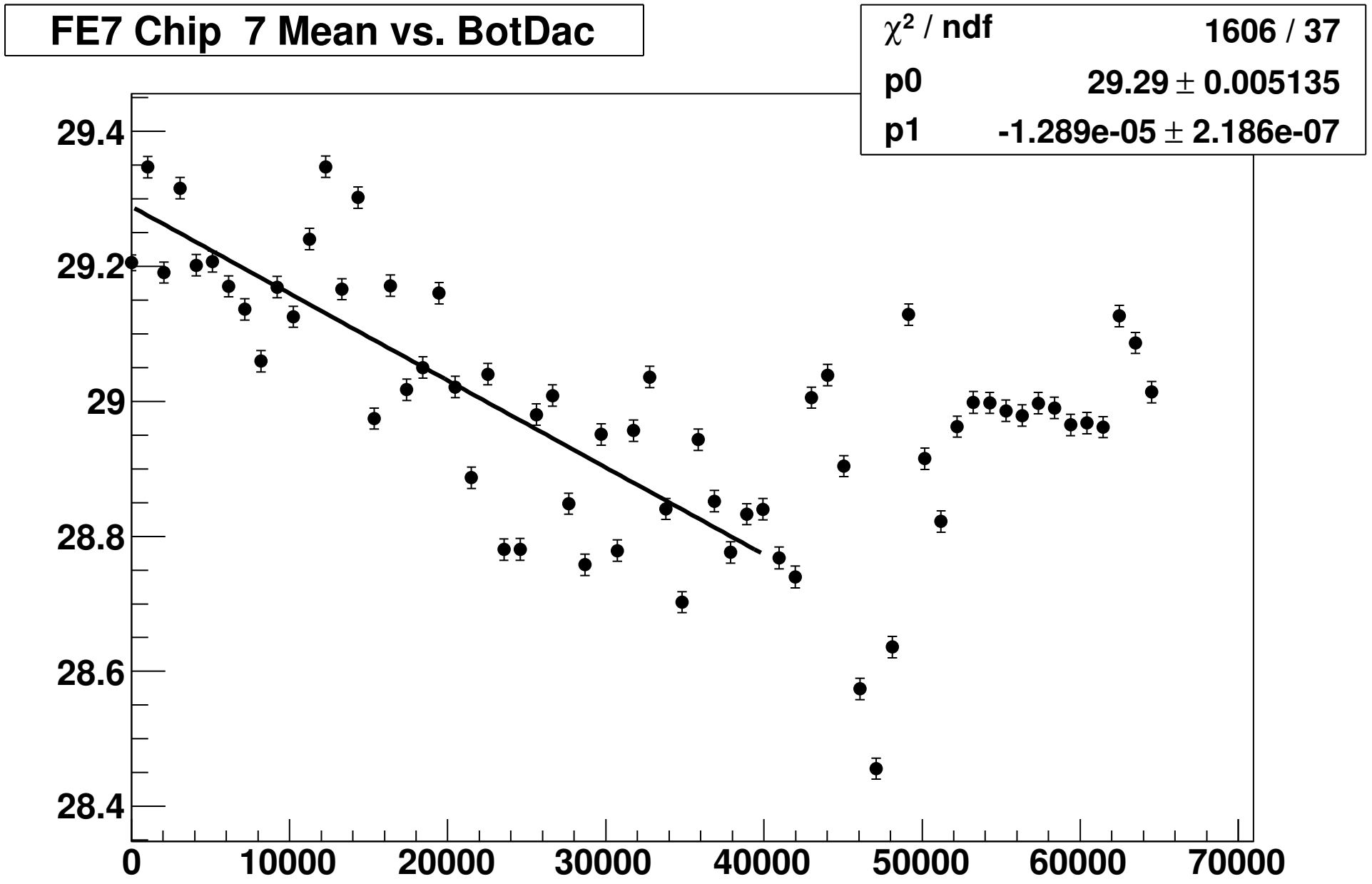

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 37.63 / 37
p0 1.416 ± 0.002589
p1 4.938e-06 ± 1.015e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

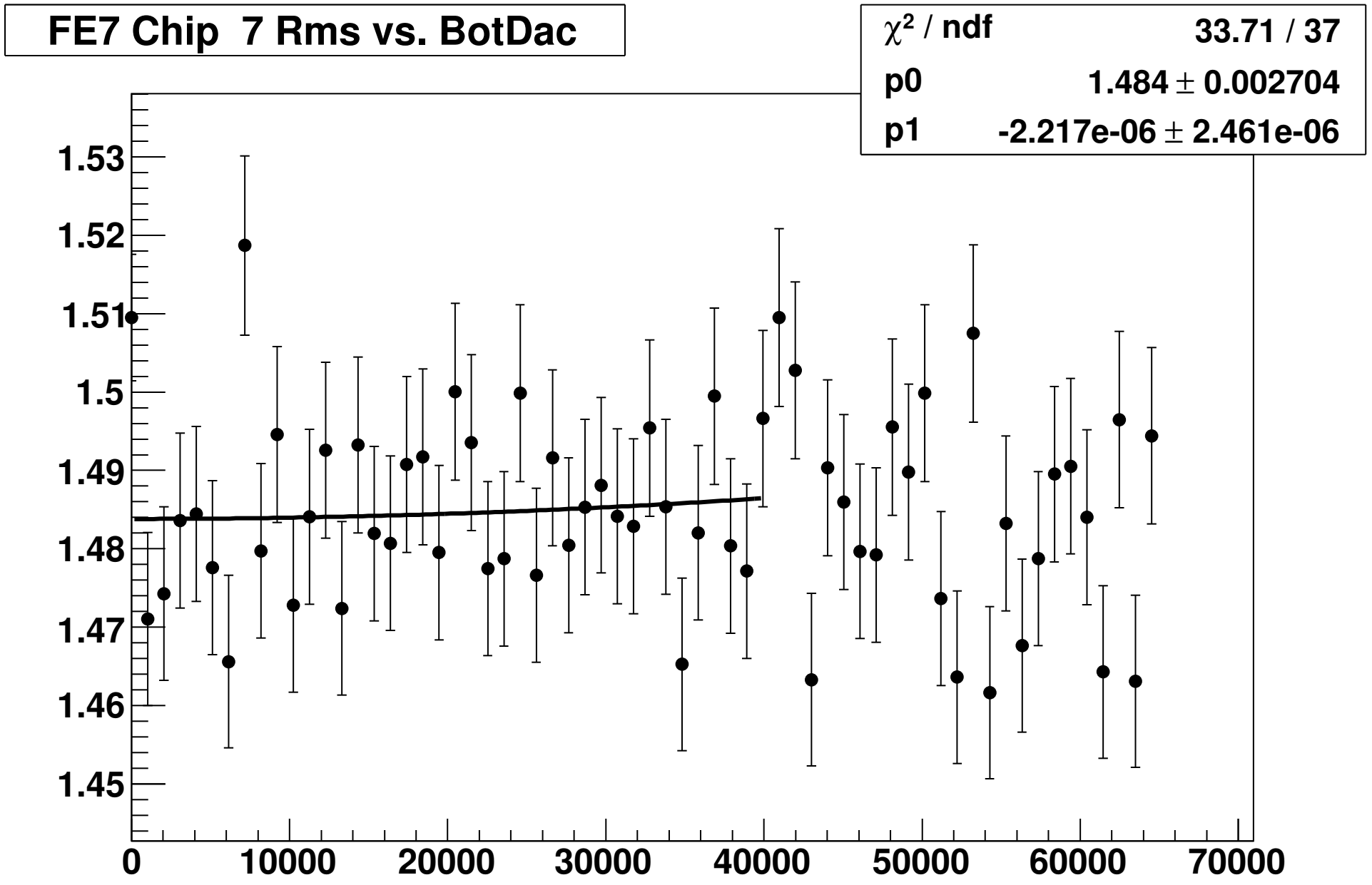

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 1600 / 37
p0 24.43 ± 0.005067
p1 -1.293e-05 ± 2.147e-07
24.4
24.2
24
23.8
23.6
0
10000
20000
30000
40000
50000
60000
70000

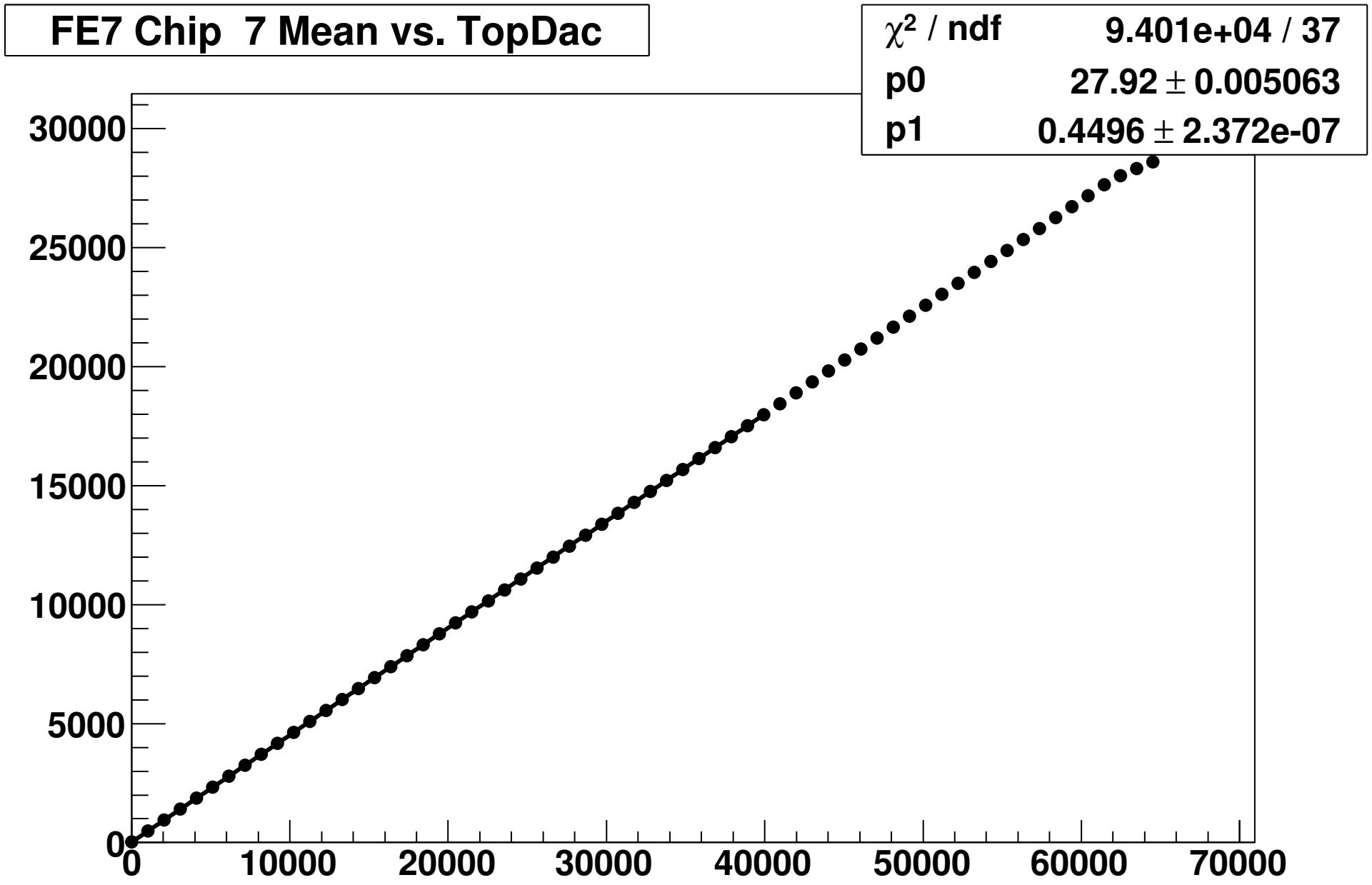

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 60.19 / 37
p0 1.456 ± 0.001754
p1 -1.237e-13 ± 1.139e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

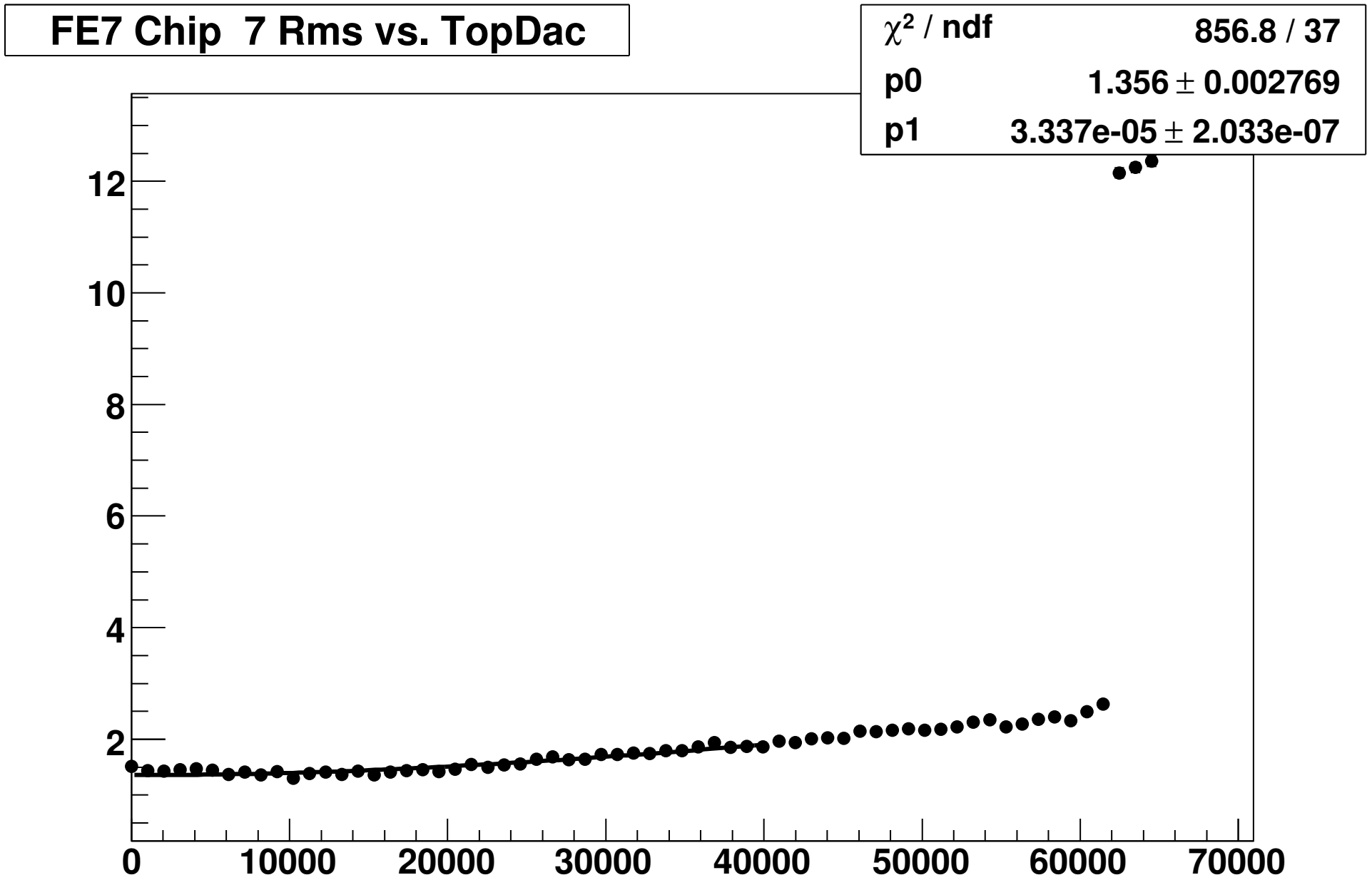

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.142e+05 / 37
p0 23.34 ± 0.005004
p1 0.4496 ± 2.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

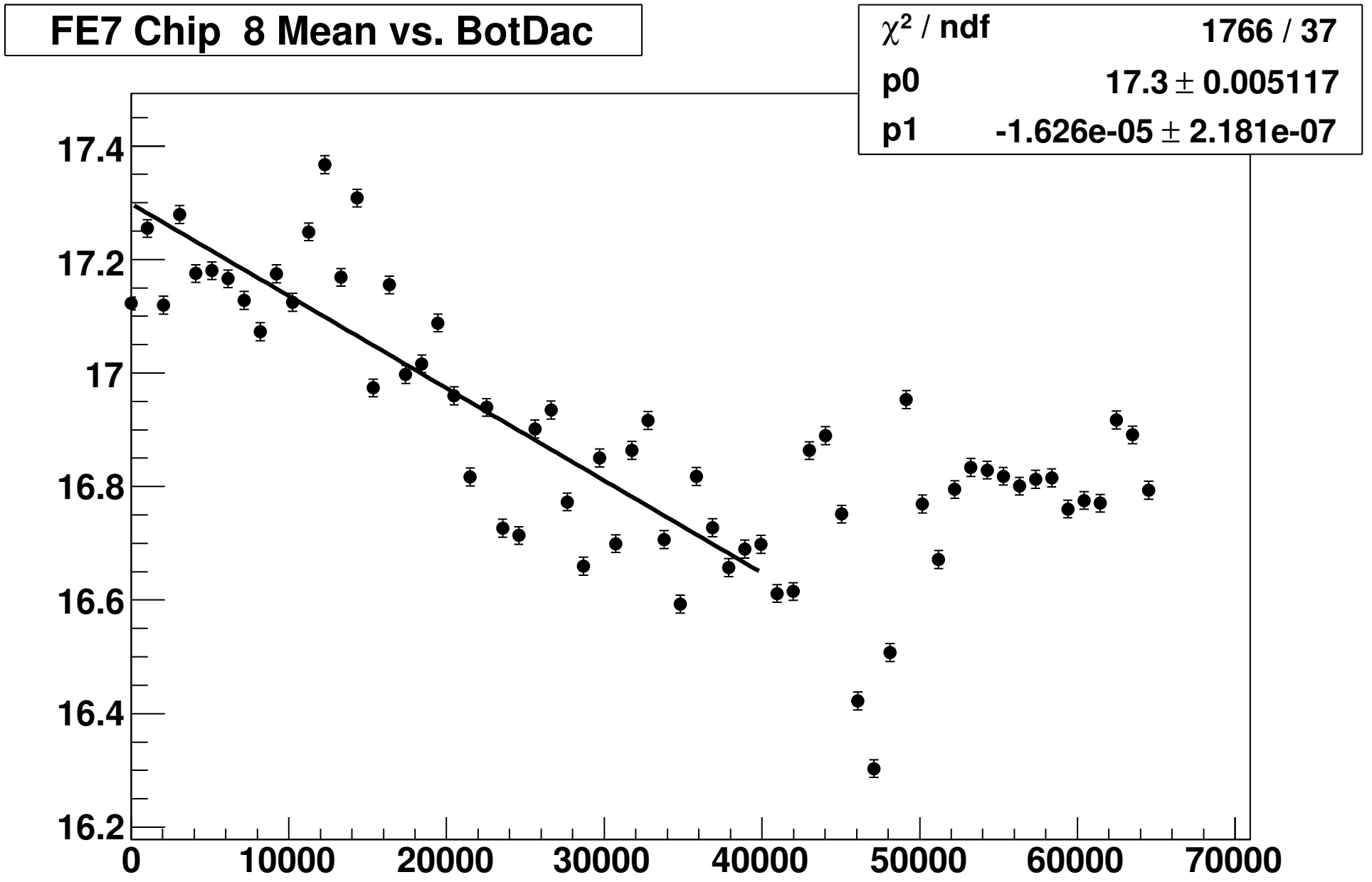

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 746 / 37
p0 1.333 ± 0.00274
p1 3.372e-05 ± 1.983e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

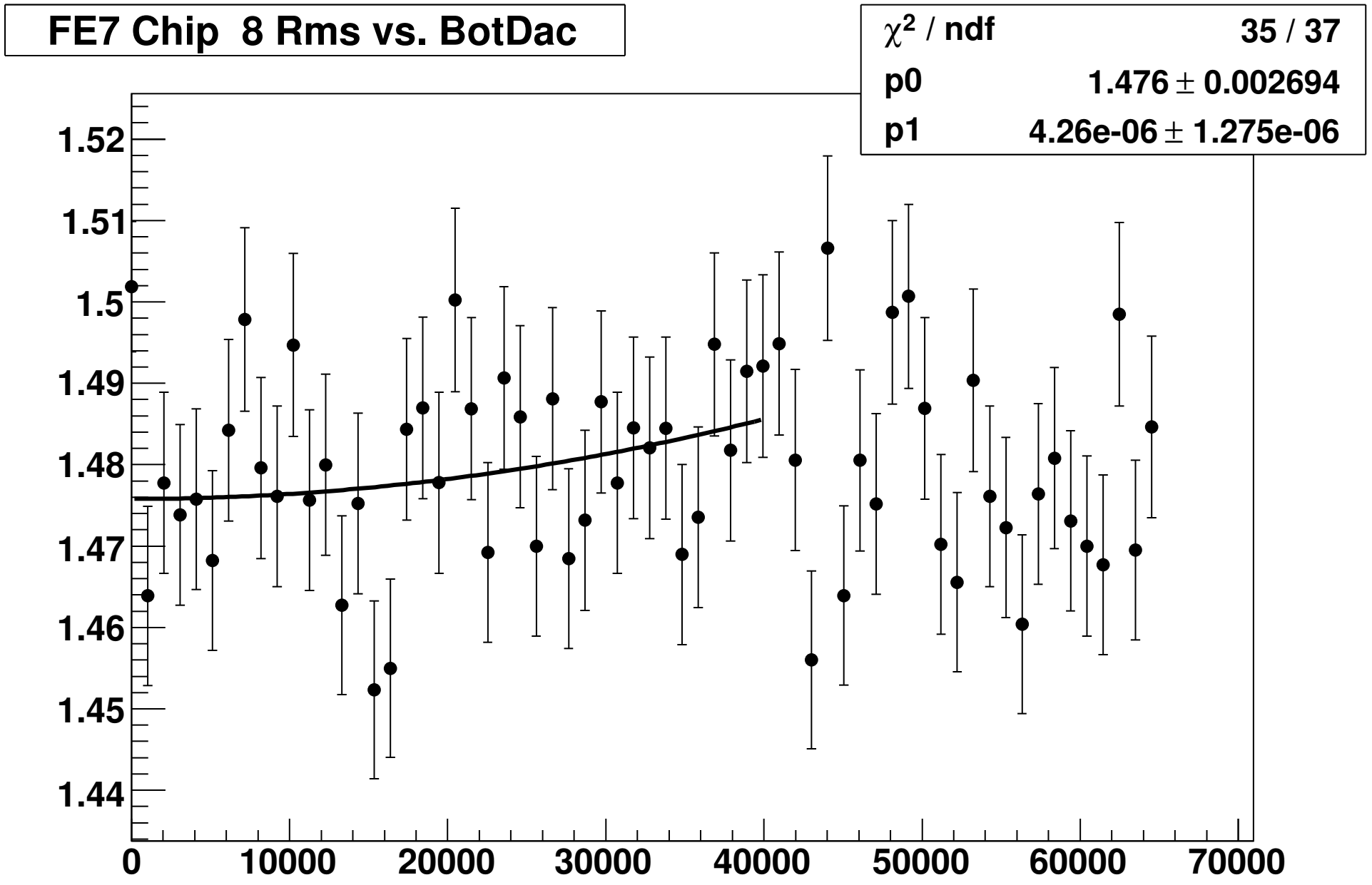

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 1606 / 37
p0 29.29 ± 0.005135
p1 -1.289e-05 ± 2.186e-07
29.4
29.2
29
28.8
28.6
28.4
0
10000
20000
30000
40000
50000
60000
70000

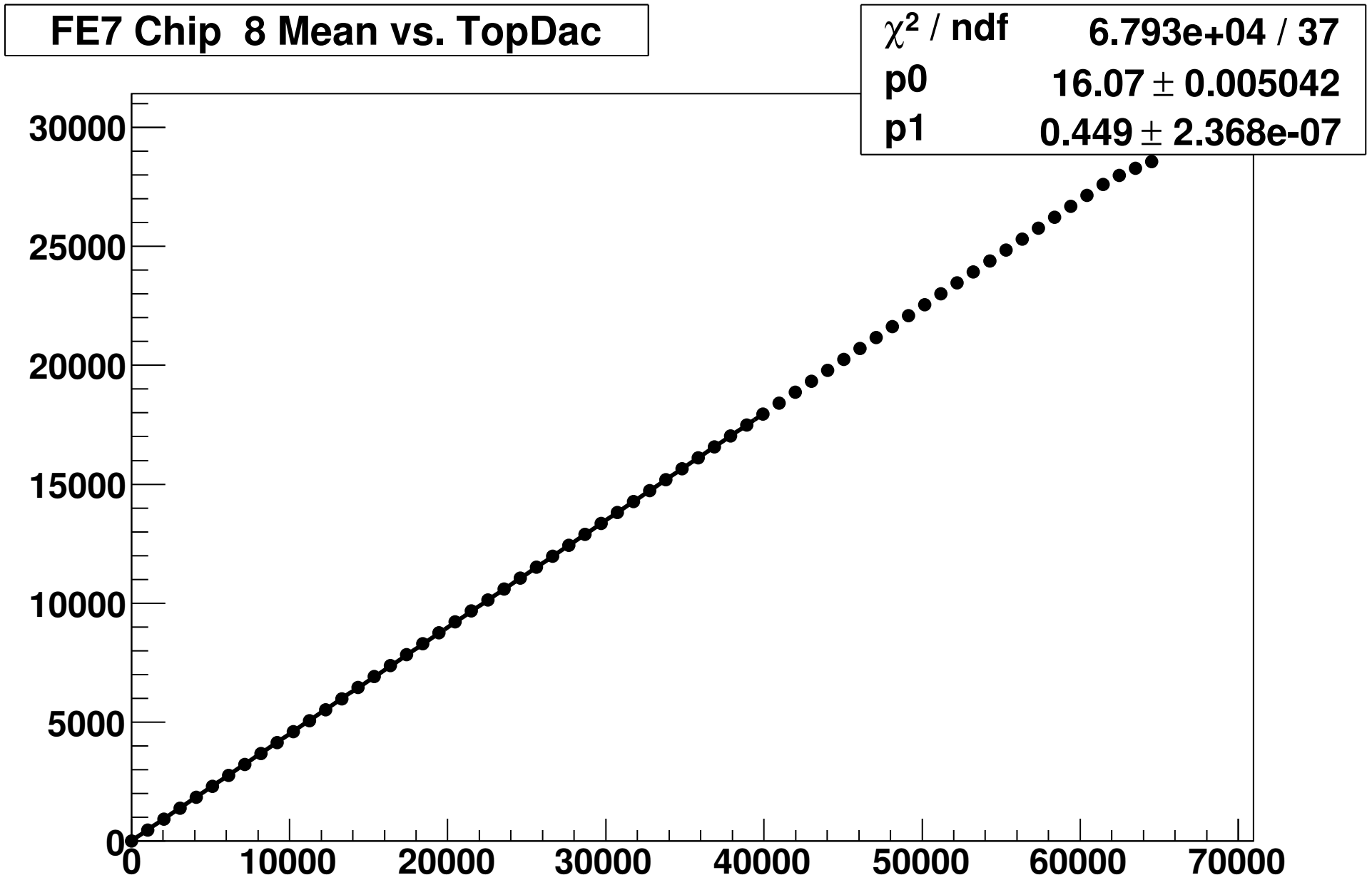

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 33.71 / 37
p0 1.484 ± 0.002704
p1 -2.217e-06 ± 2.461e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

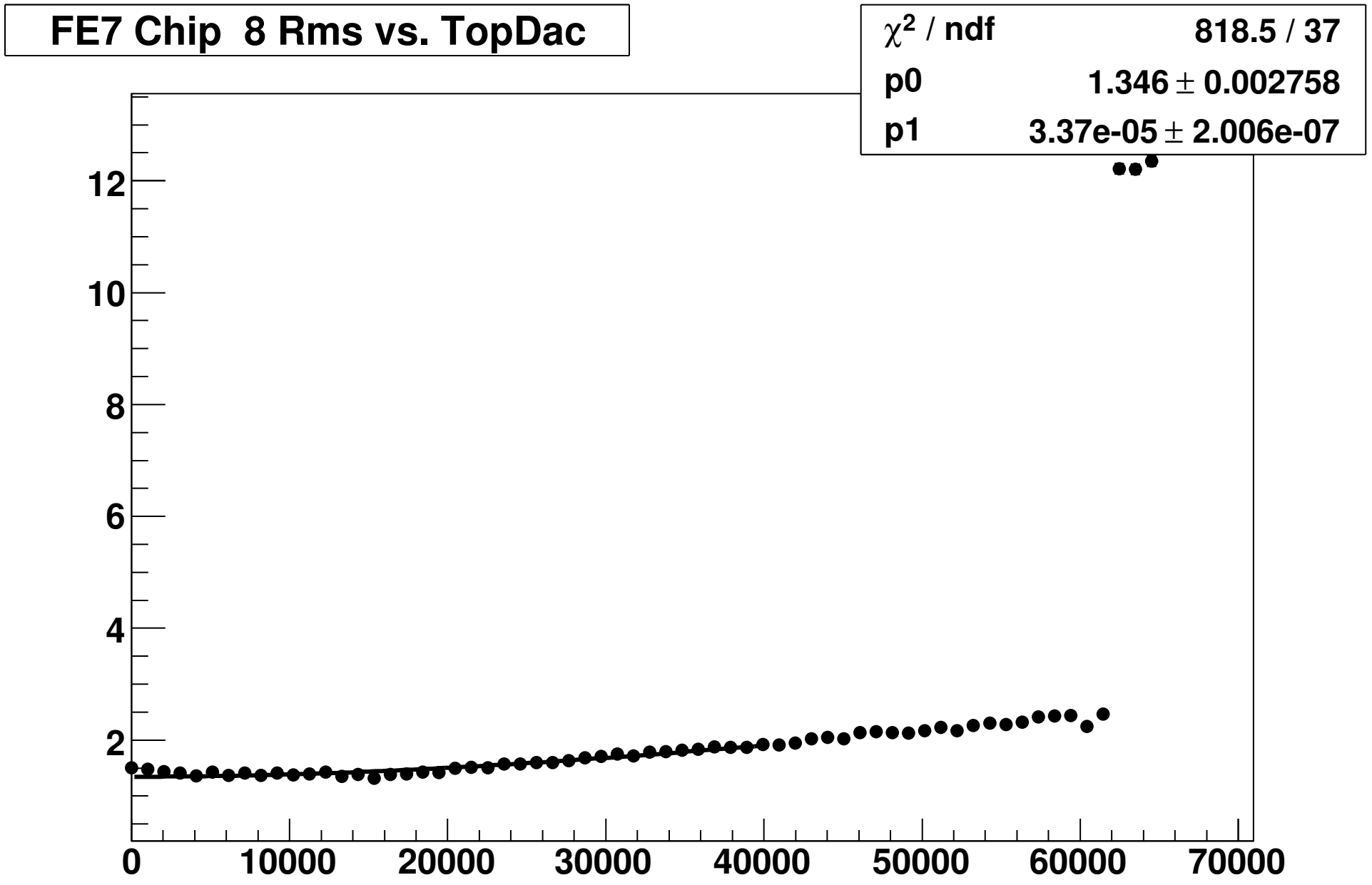

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 9.401e+04 / 37
p0 27.92 ± 0.005063
p1 0.4496 ± 2.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

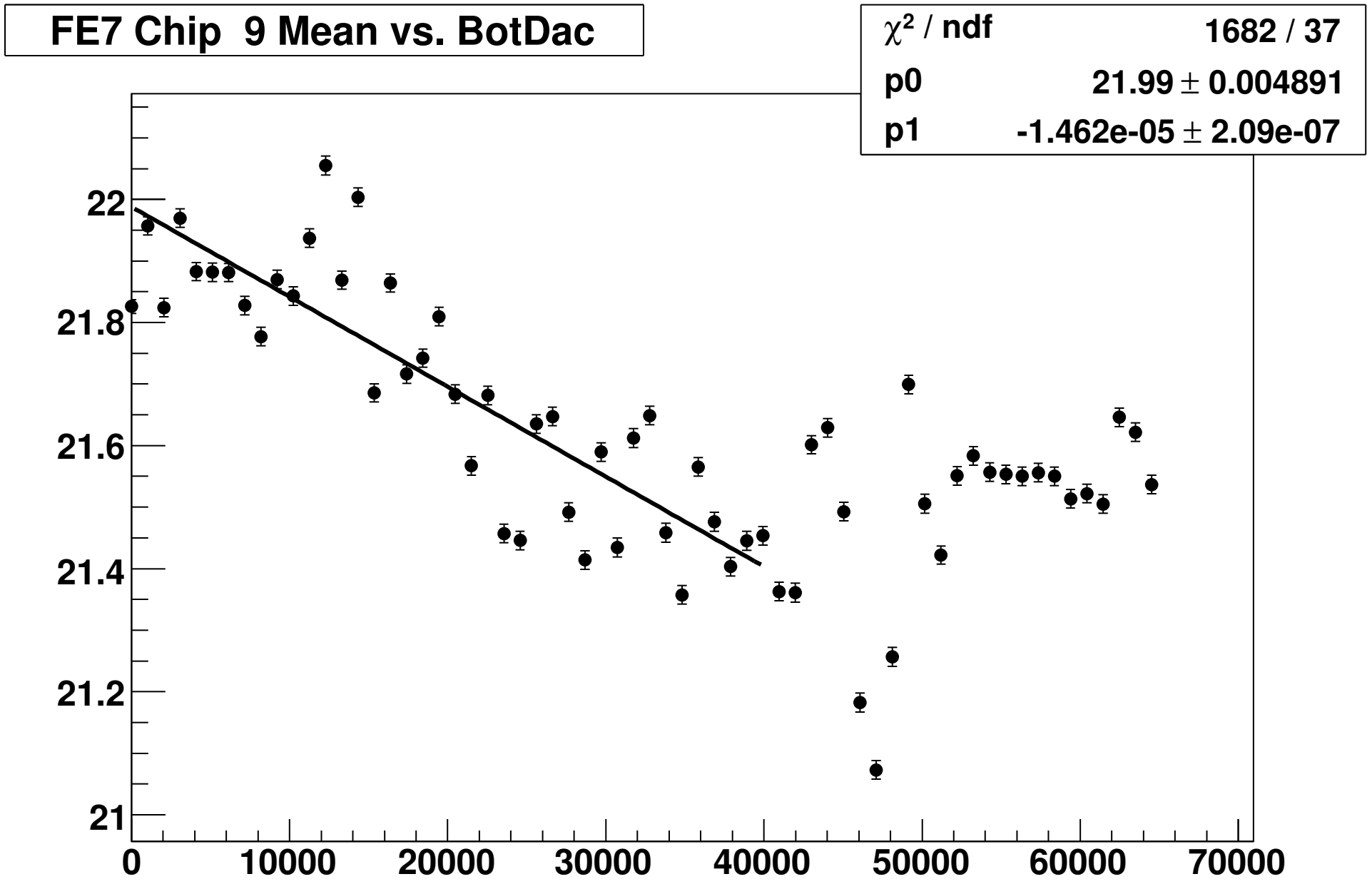

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 856.8 / 37
p0 1.356 ± 0.002769
p1 3.337e-05 ± 2.033e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

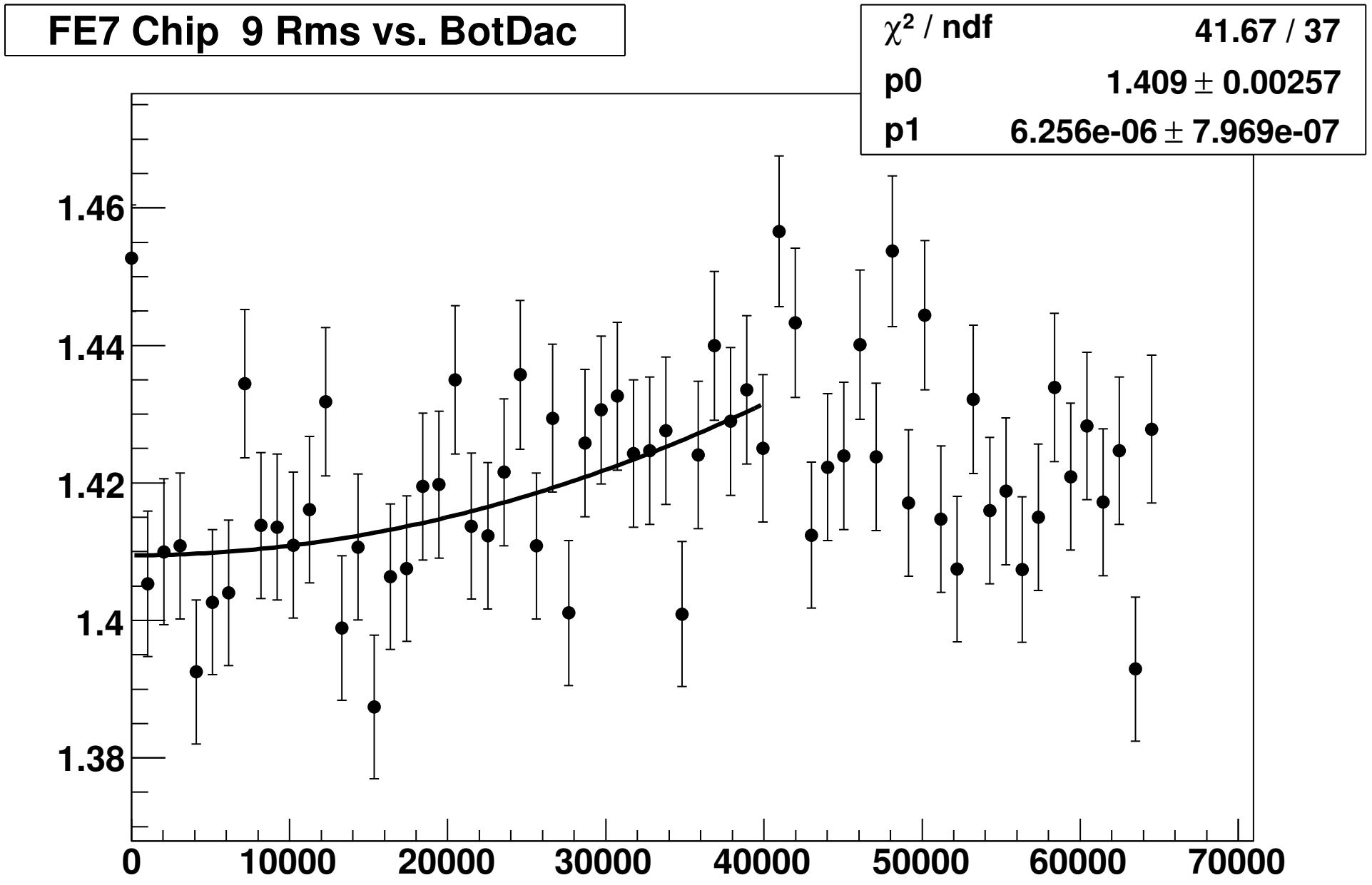

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 1766 / 37
p0 17.3 ± 0.005117
p1 -1.626e-05 ± 2.181e-07
17.4
17.2
17
16.8
16.6
16.4
16.2
0
10000
20000
30000
40000
50000
60000
70000

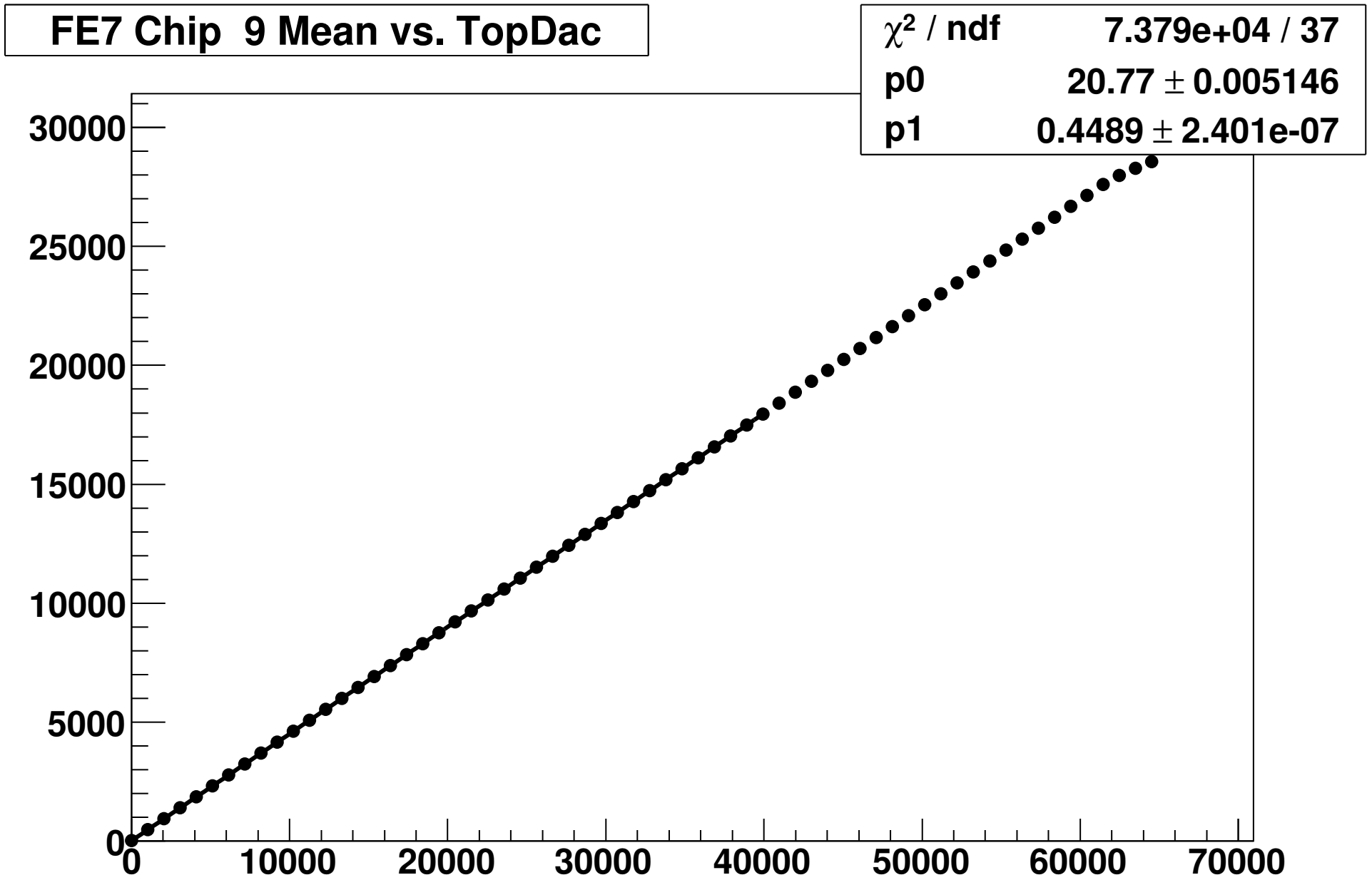

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 35 / 37
p0 1.476 ± 0.002694
p1 4.26e-06 ± 1.275e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

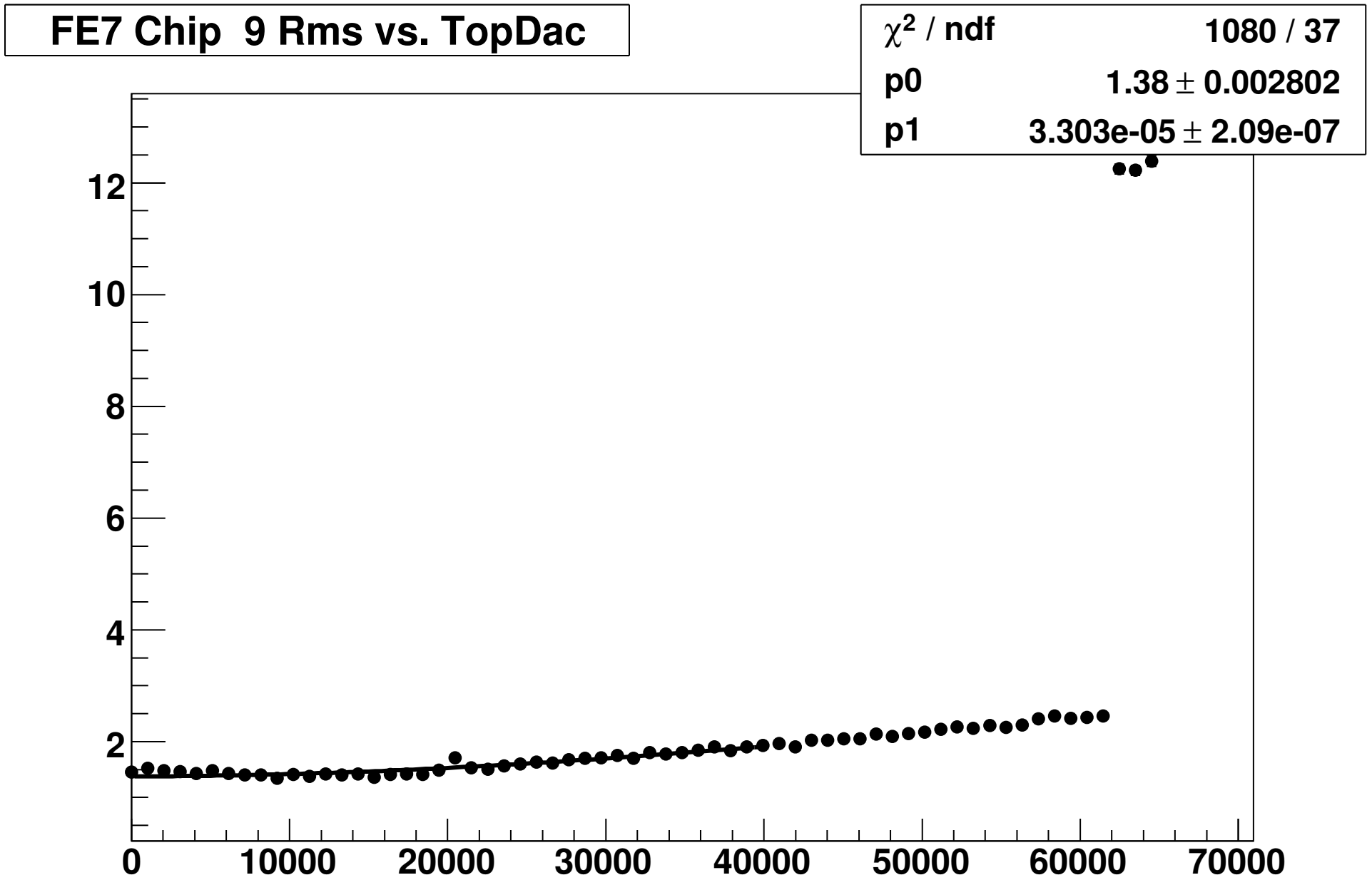

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 6.793e+04 / 37
p0 16.07 ± 0.005042
p1 0.449 ± 2.368e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

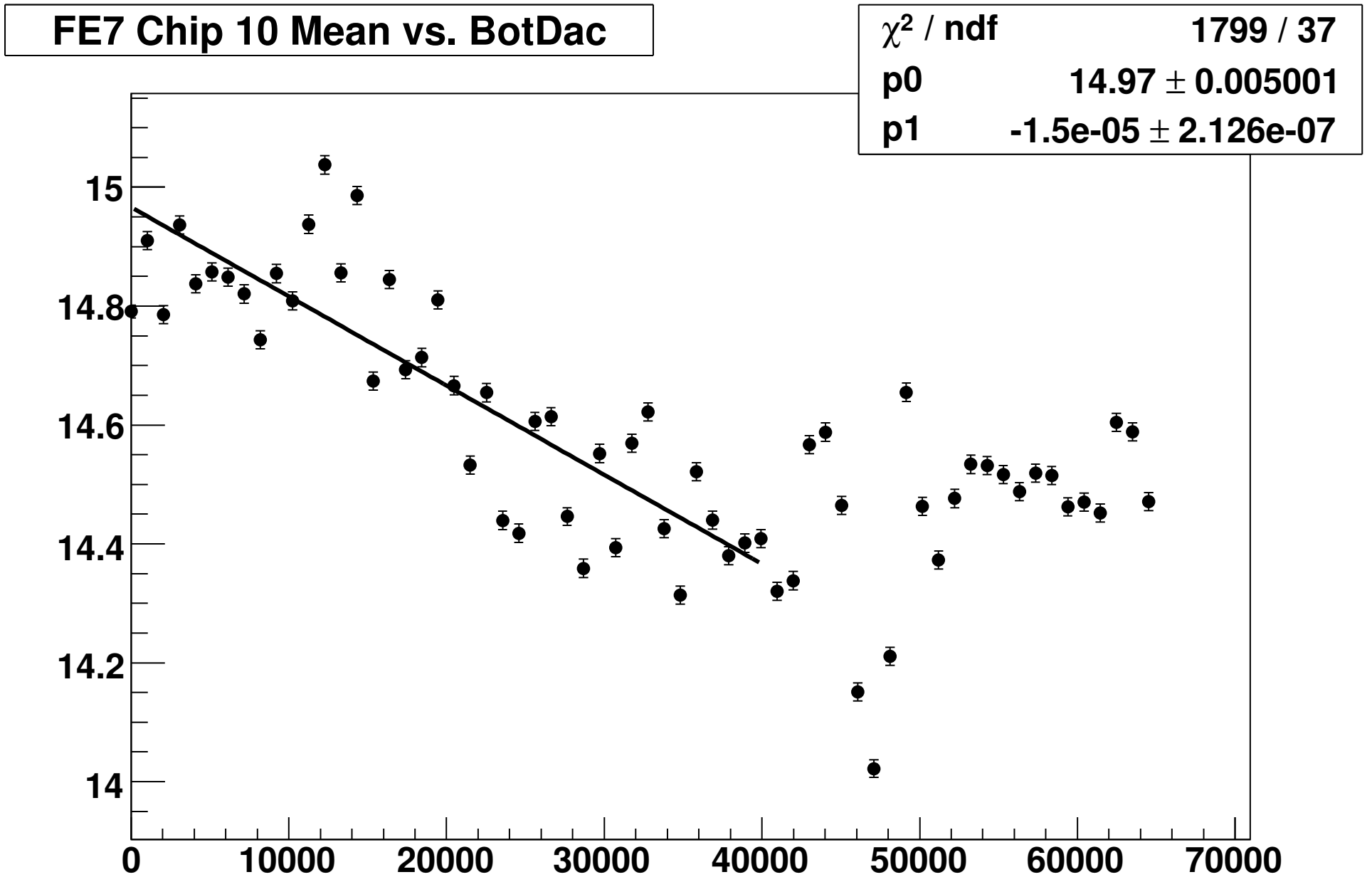

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 818.5 / 37
p0 1.346 ± 0.002758
p1 3.37e-05 ± 2.006e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

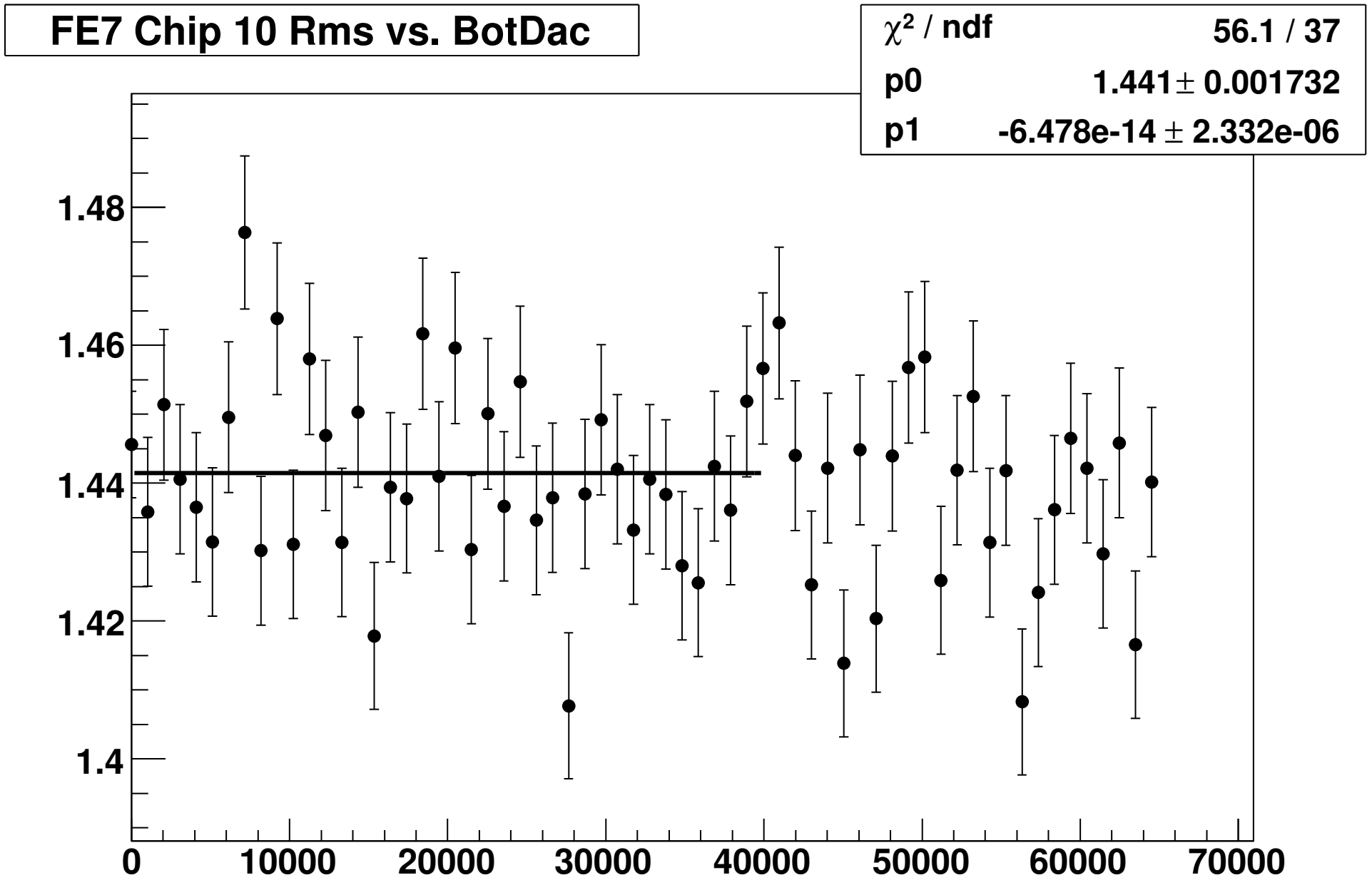

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 1682 / 37
p0 21.99 ± 0.004891
p1 -1.462e-05 ± 2.09e-07
22
21.8
21.6
21.4
21.2
21
0
10000
20000
30000
40000
50000
60000
70000

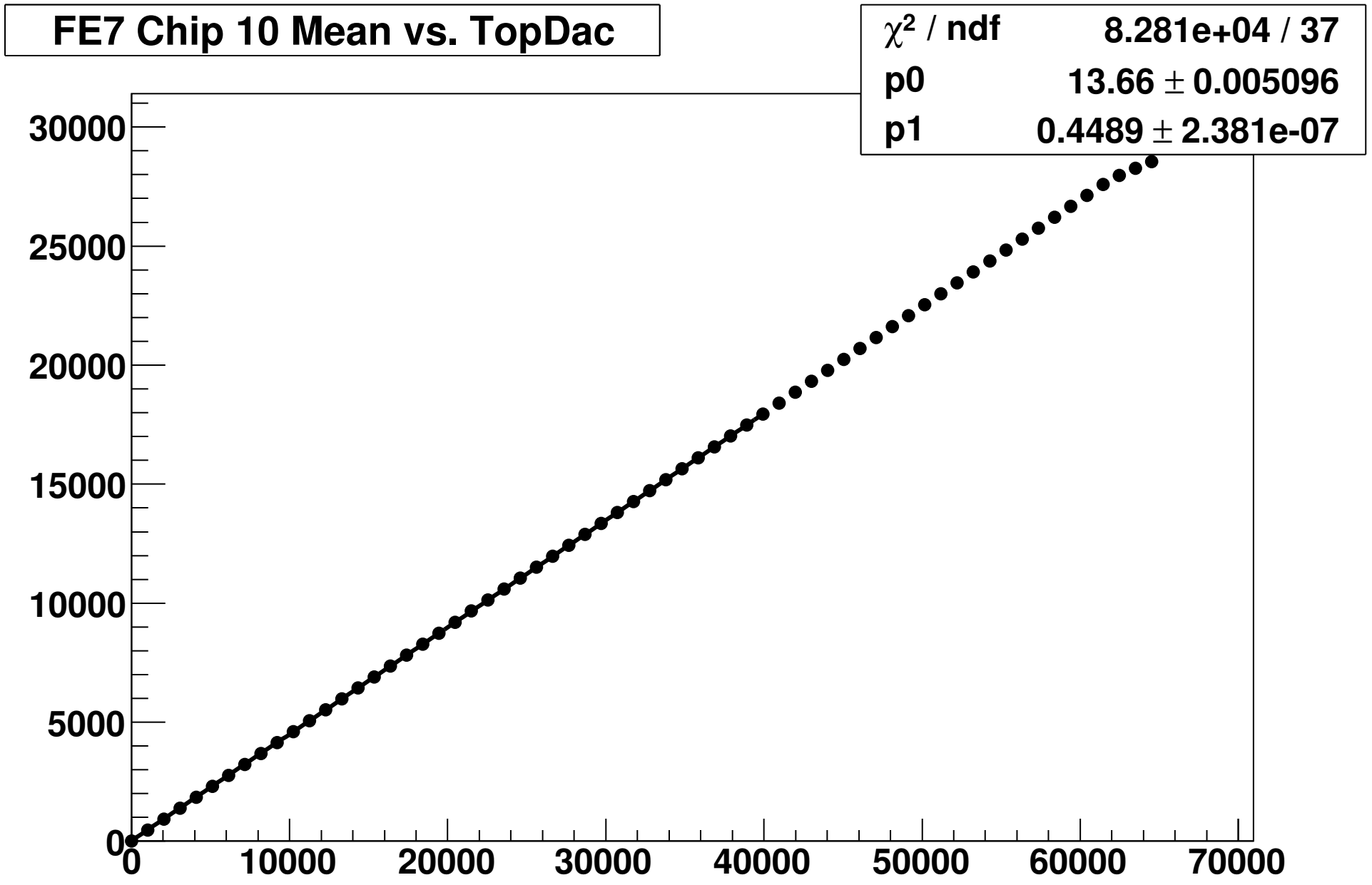

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 41.67 / 37
p0 1.409 ± 0.00257
p1 6.256e-06 ± 7.969e-07
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

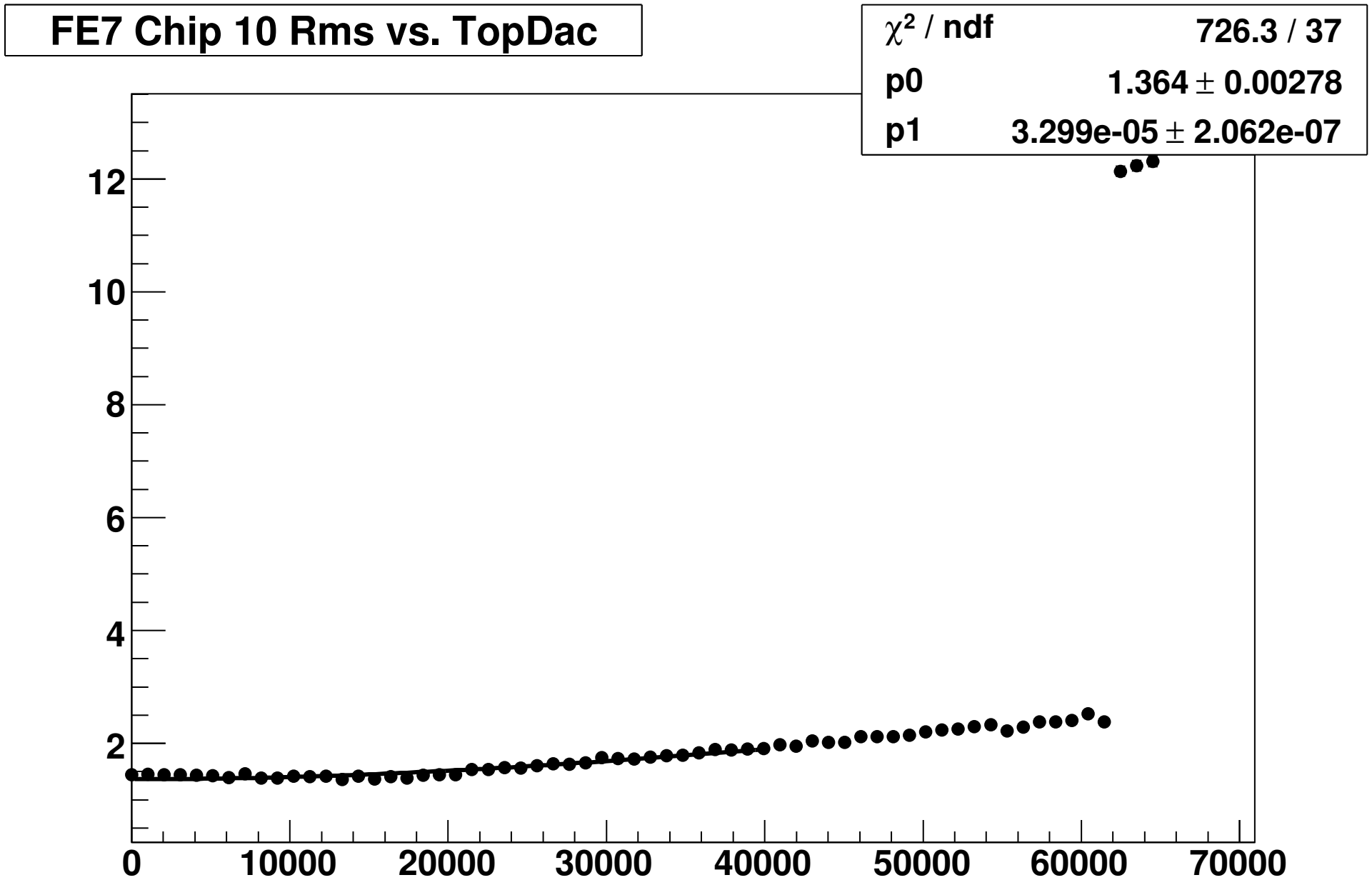

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 7.379e+04 / 37
p0 20.77 ± 0.005146
p1 0.4489 ± 2.401e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

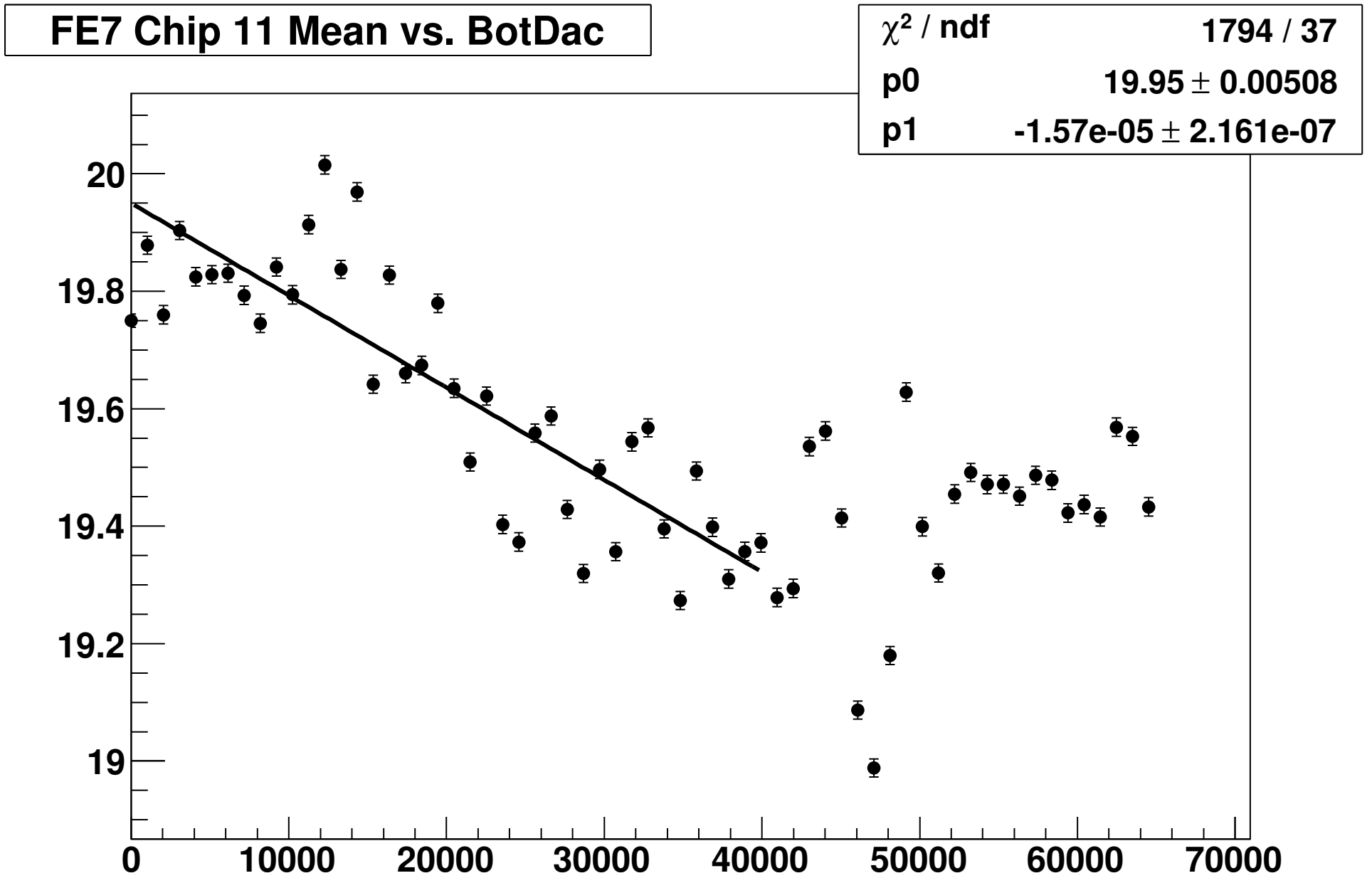

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1080 / 37
p0 1.38 ± 0.002802
p1 3.303e-05 ± 2.09e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

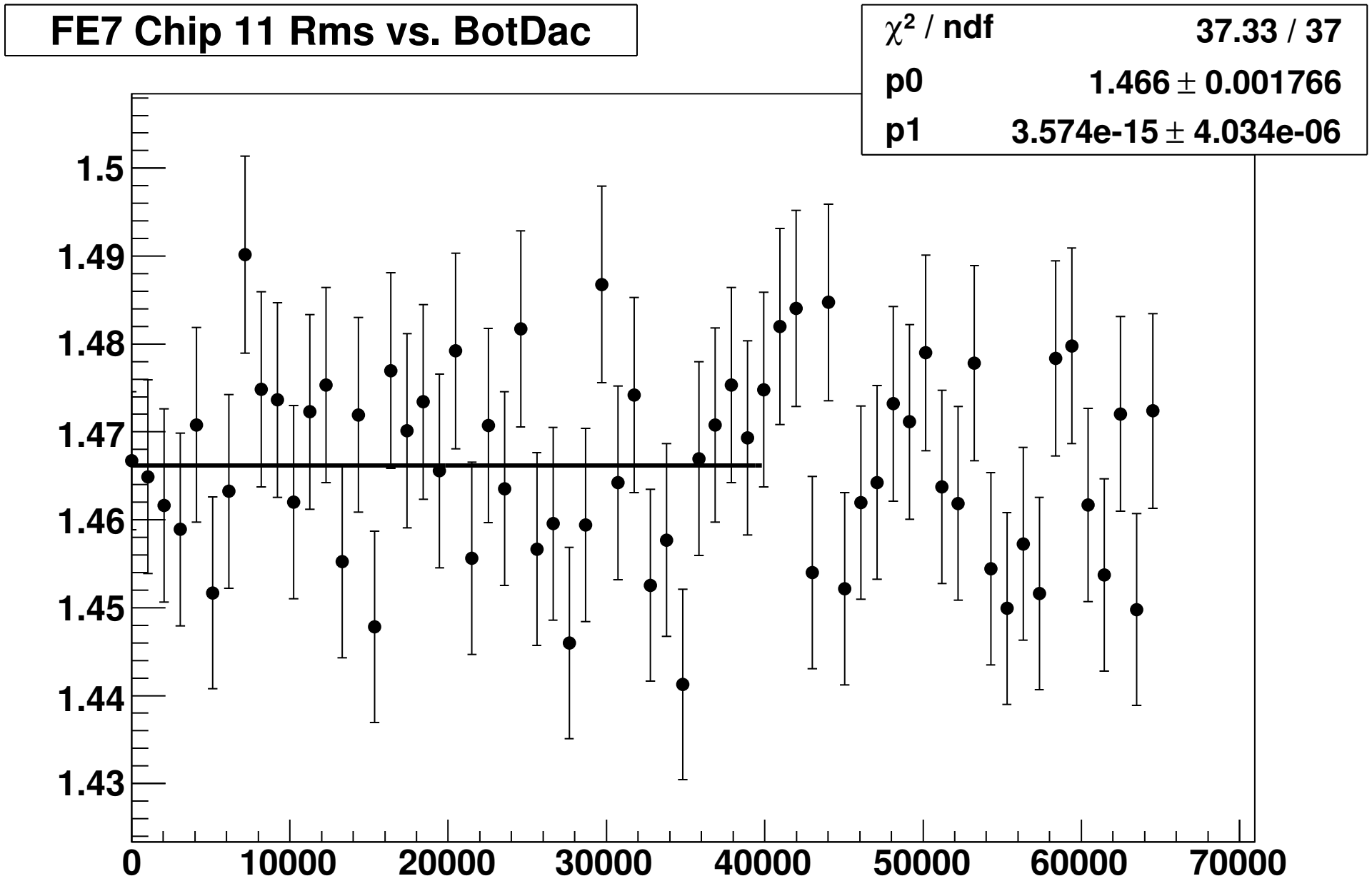

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 1799 / 37
p0 14.97 ± 0.005001
p1 -1.5e-05 ± 2.126e-07
15
14.8
14.6
14.4
14.2
14
0
10000
20000
30000
40000
50000
60000
70000

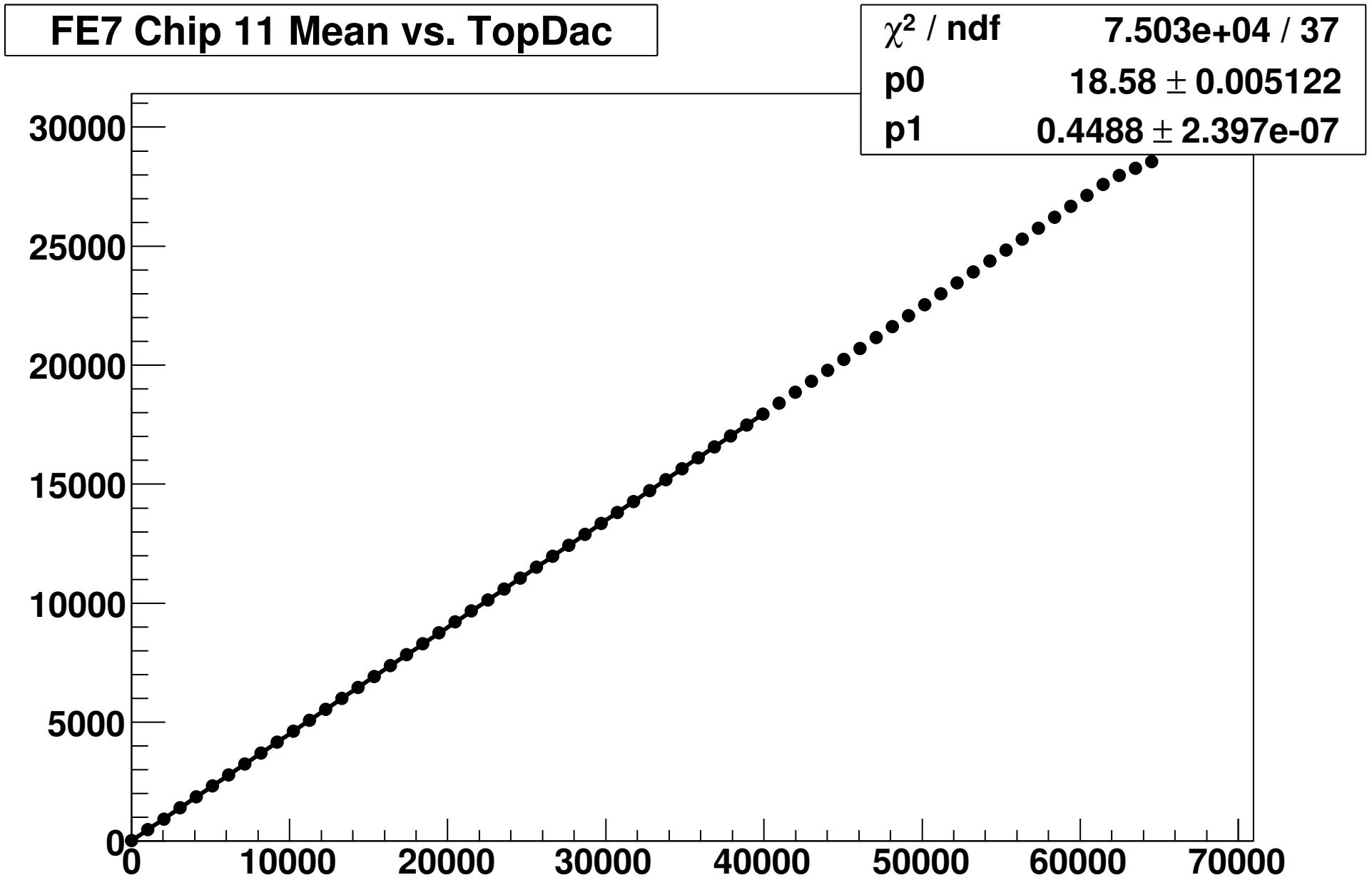

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 56.1 / 37
p0 1.441 ± 0.001732
p1 -6.478e-14 ± 2.332e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

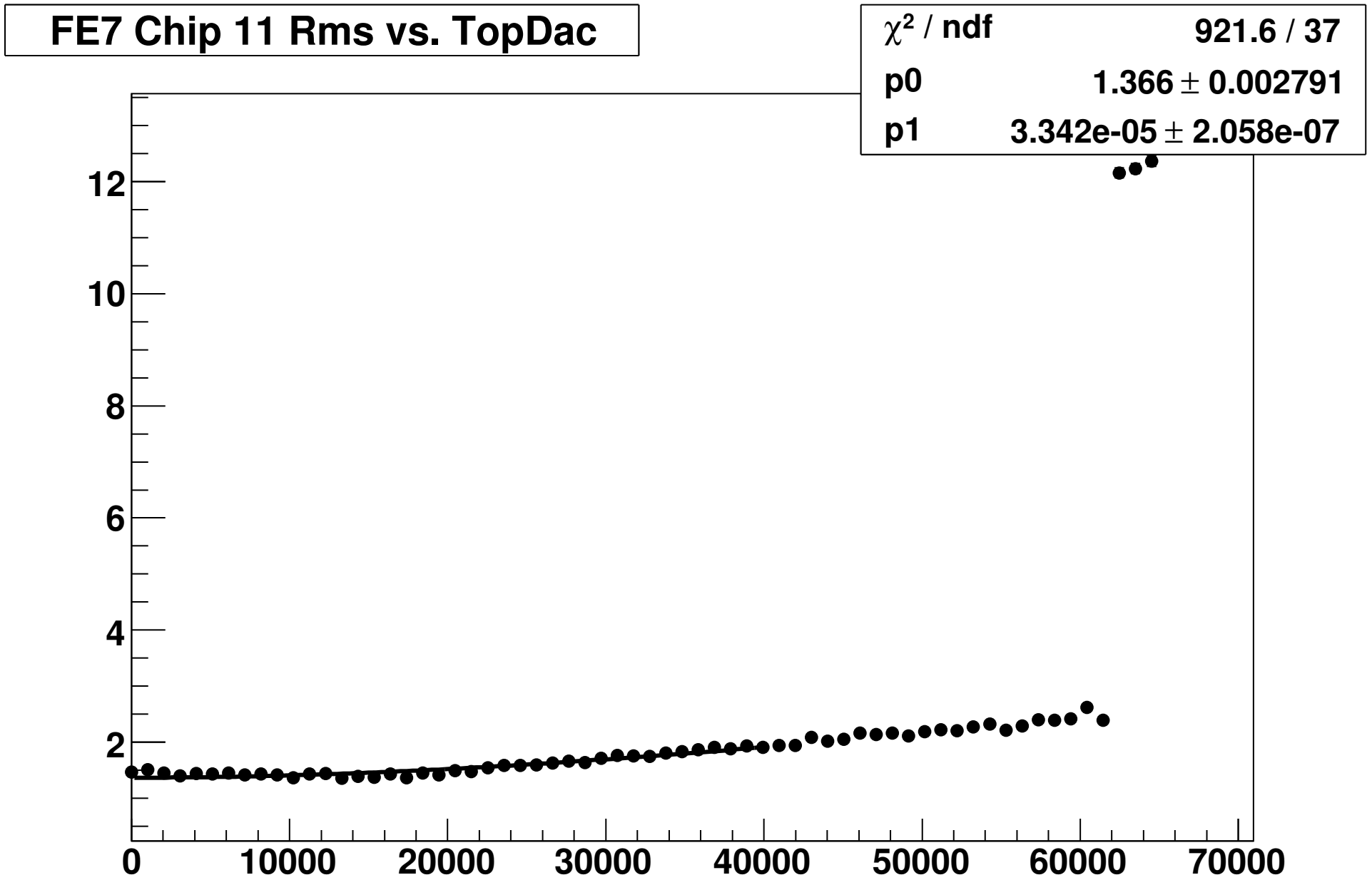

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 8.281e+04 / 37
p0 13.66 ± 0.005096
p1 0.4489 ± 2.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

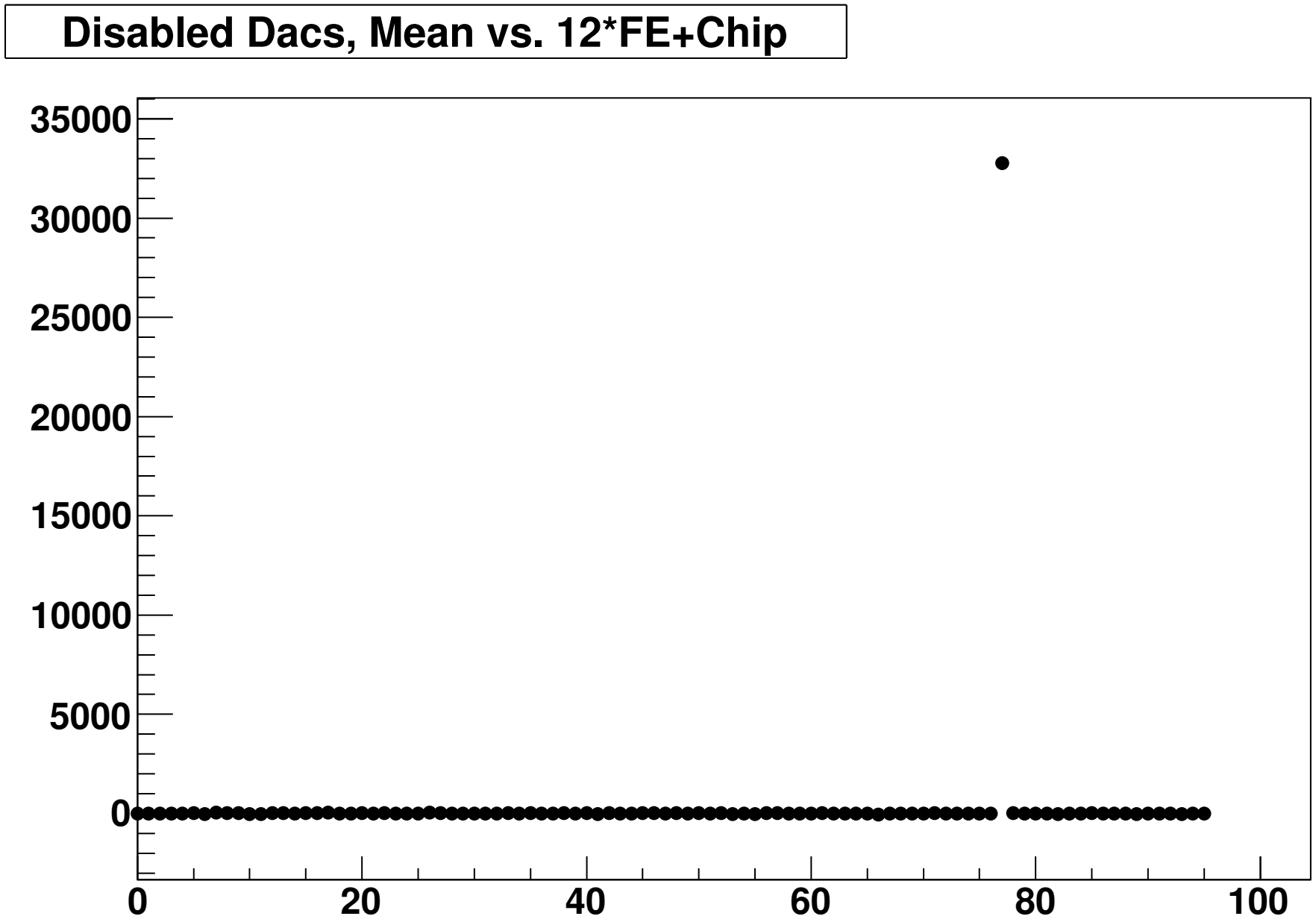

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 726.3 / 37
p0 1.364 ± 0.00278
p1 3.299e-05 ± 2.062e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

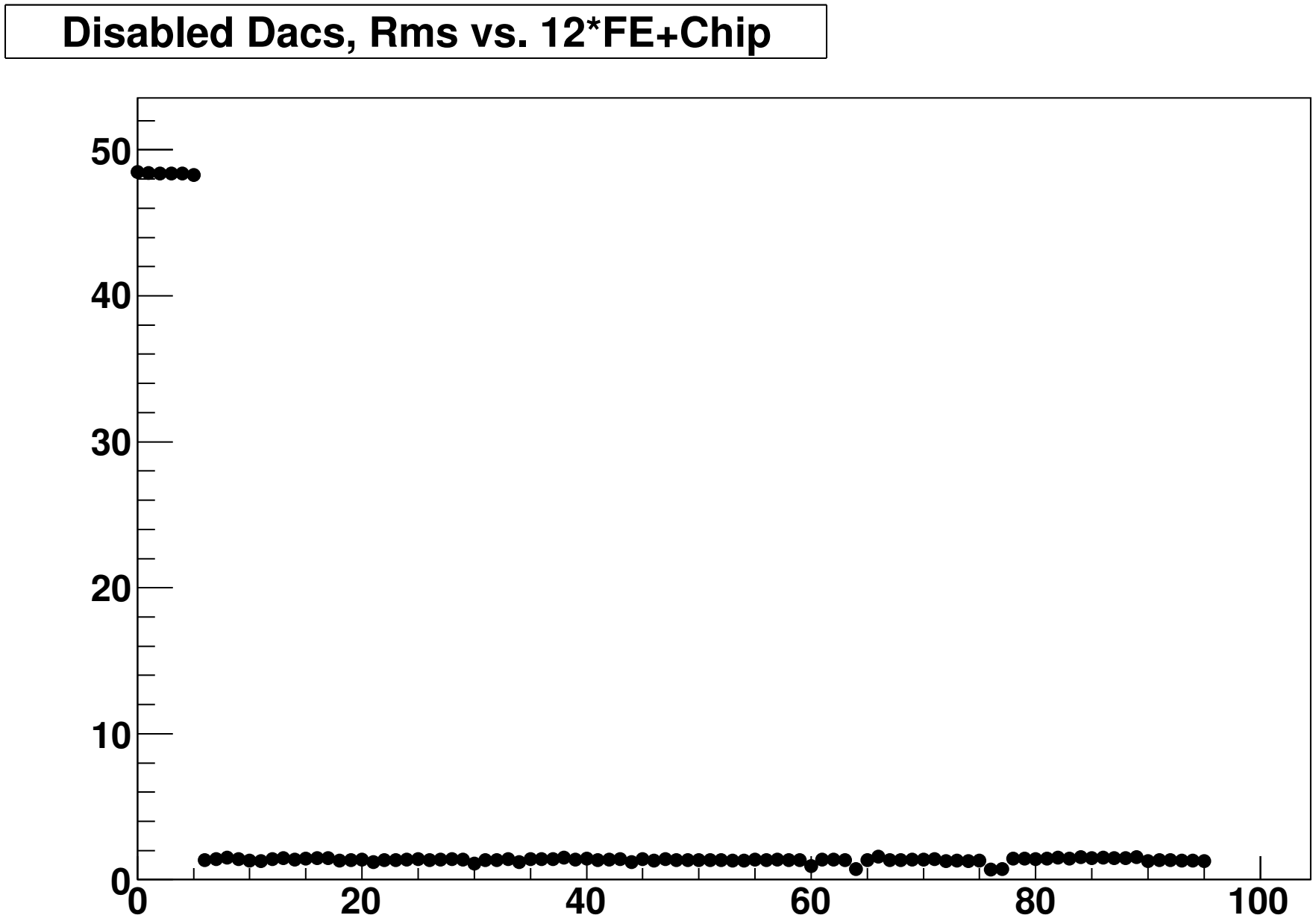

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 1794 / 37
p0 19.95 ± 0.00508
p1 -1.57e-05 ± 2.161e-07
20
19.8
19.6
19.4
19.2
19
0
10000
20000
30000
40000
50000
60000
70000

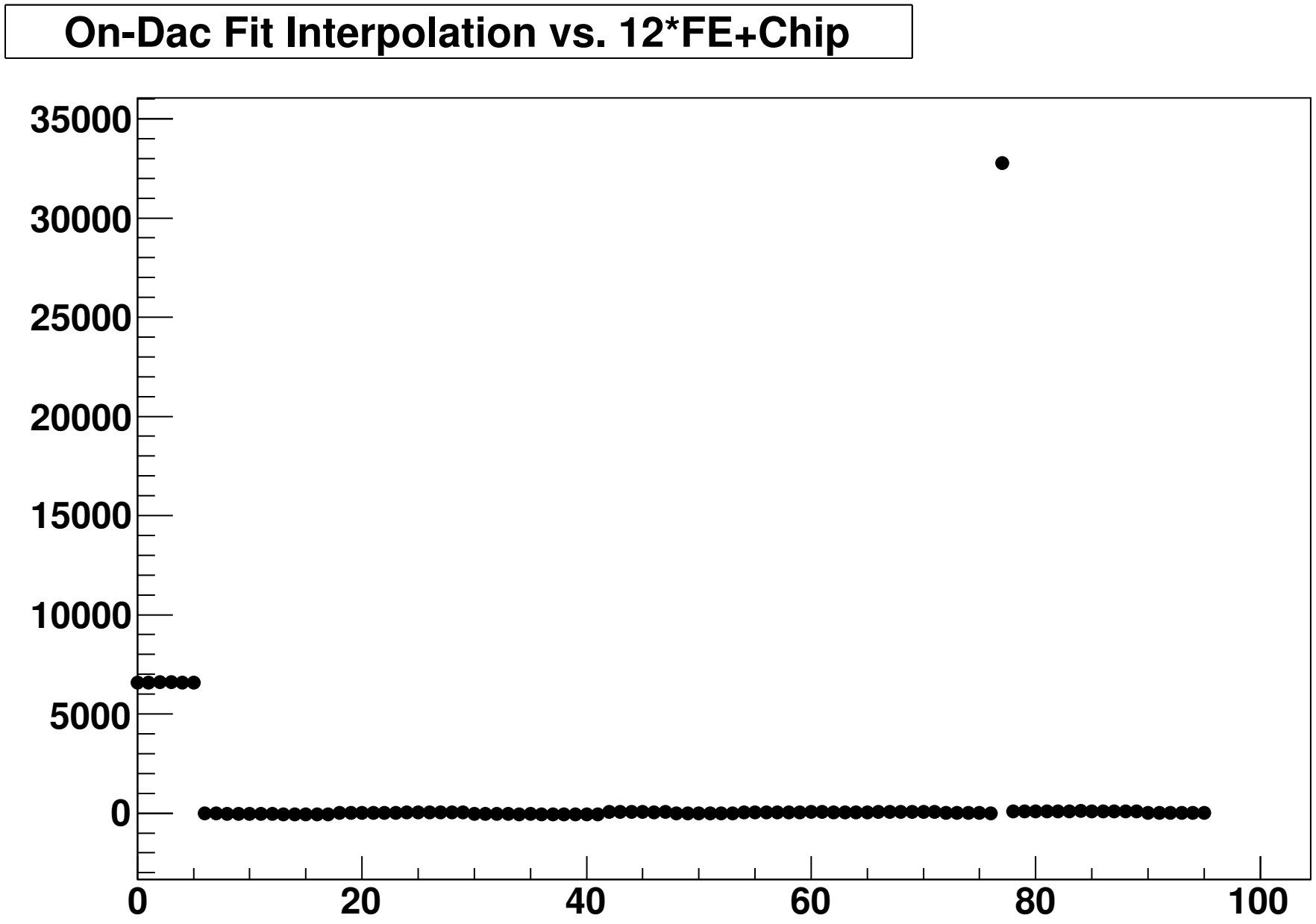

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 37.33 / 37
p0 1.466 ± 0.001766
p1 3.574e-15 ± 4.034e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

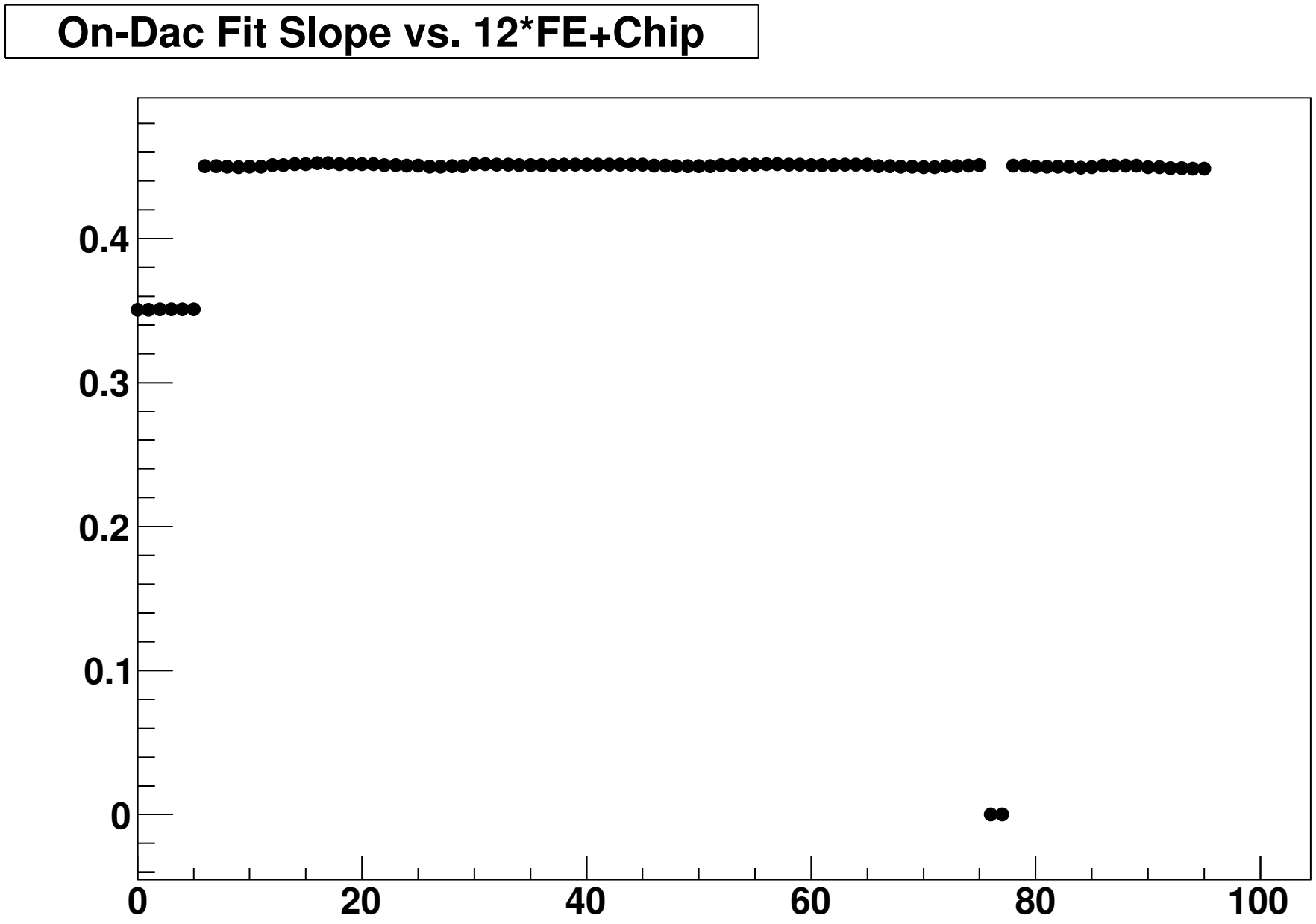

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 7.503e+04 / 37
p0 18.58 ± 0.005122
p1 0.4488 ± 2.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

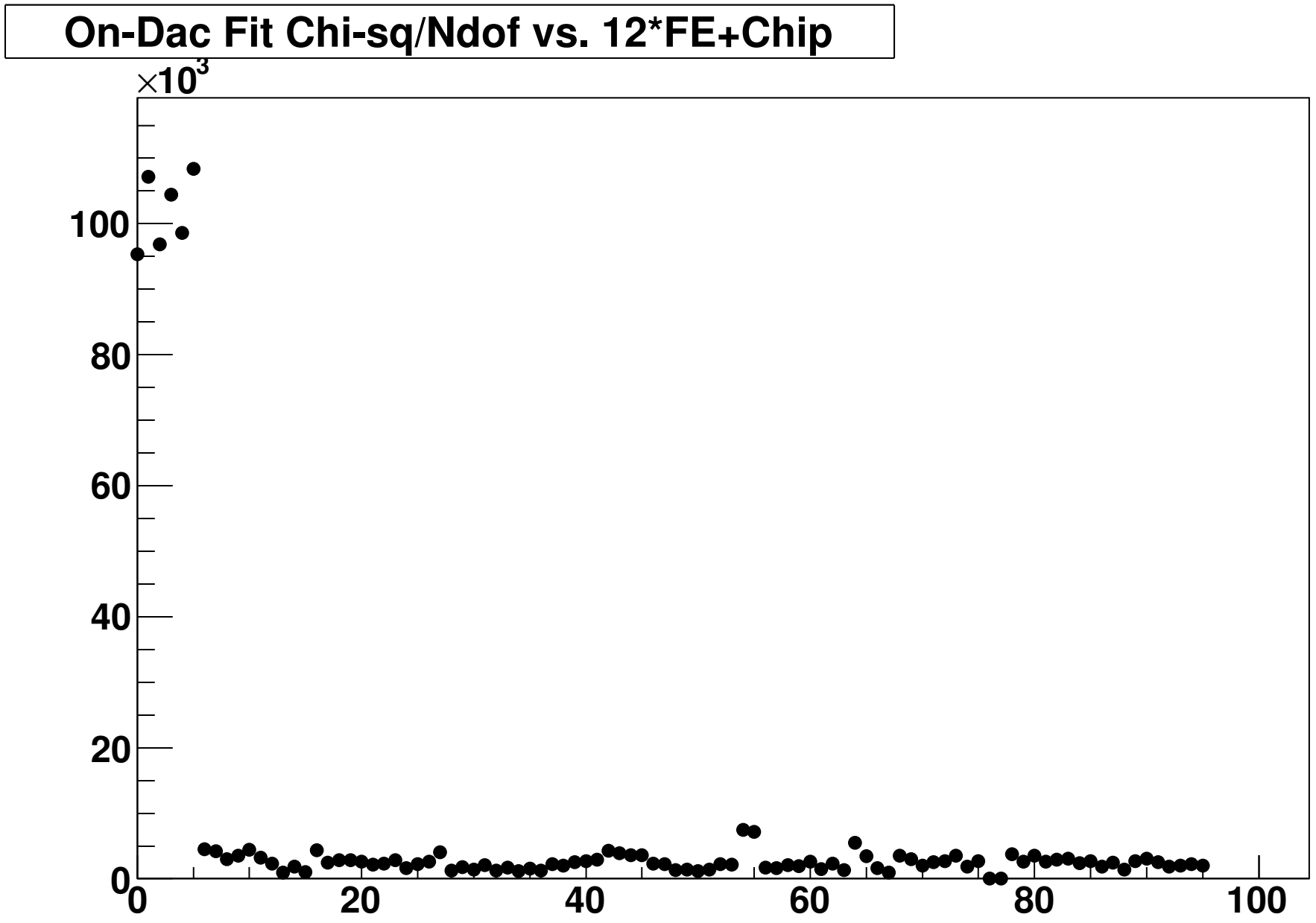

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 921.6 / 37
p0 1.366 ± 0.002791
p1 3.342e-05 ± 2.058e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

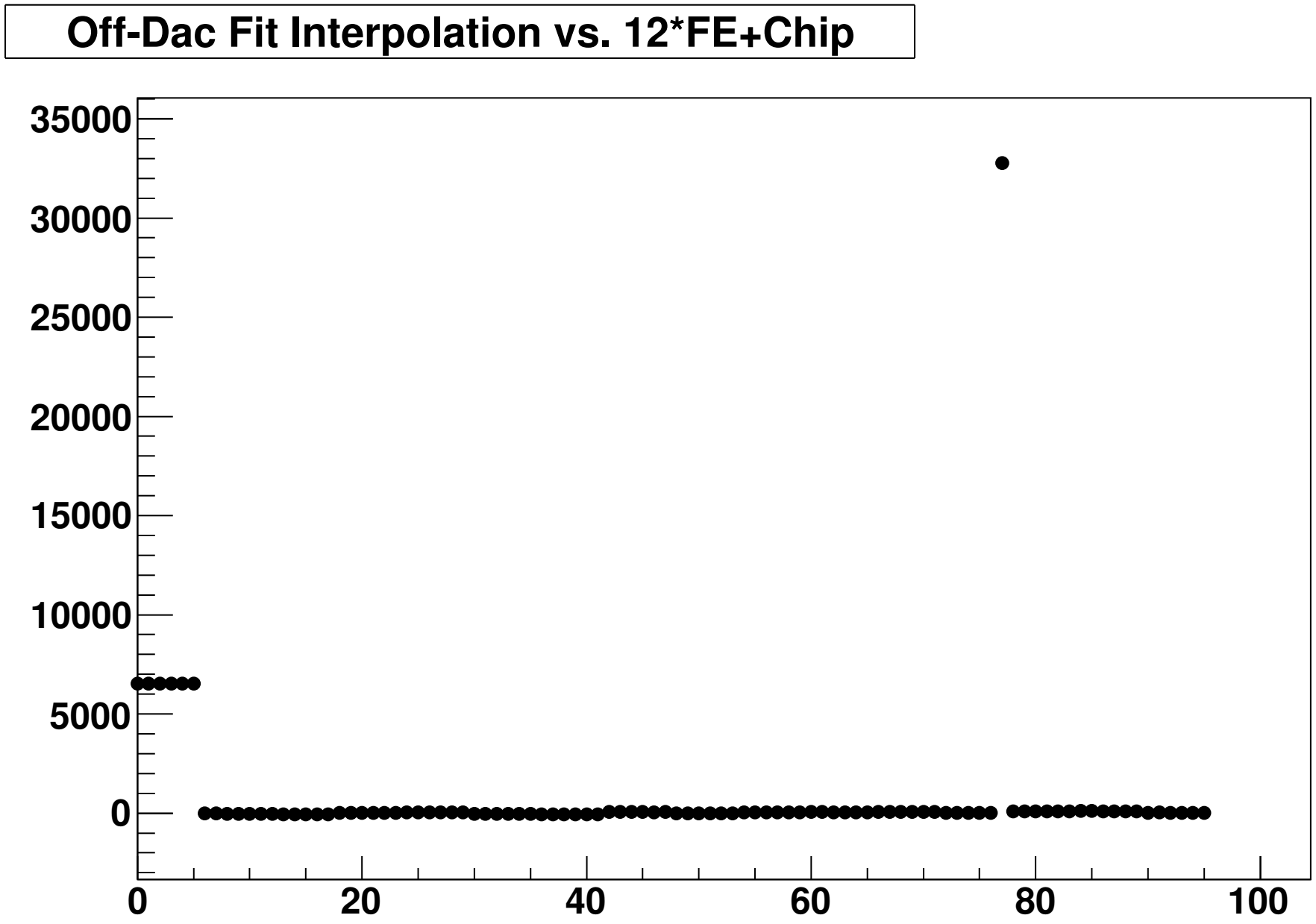

Disabled Dacs, Mean vs. 12*FE+Chip
35000
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100

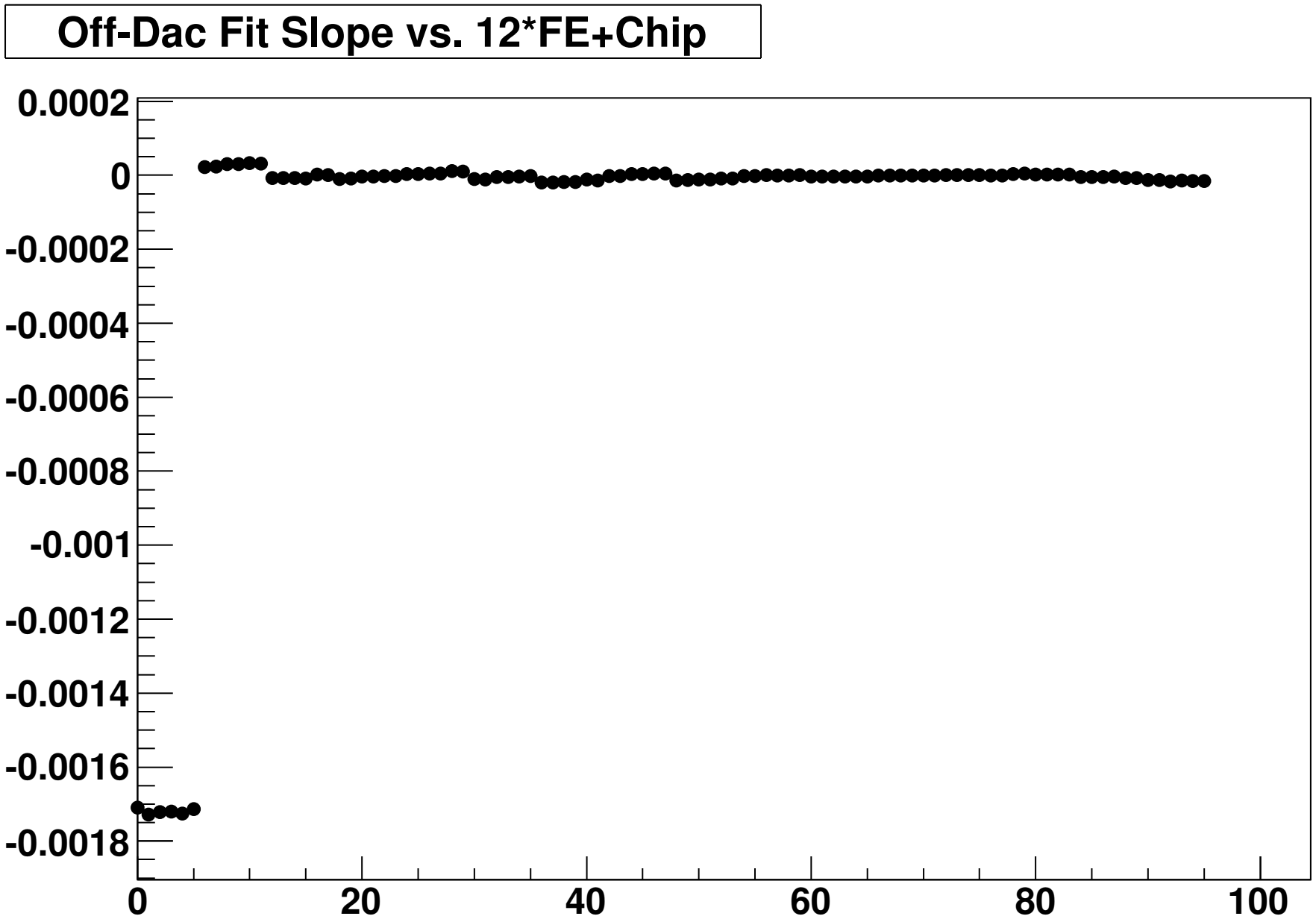

Disabled Dacs, Rms vs. 12*FE+Chip
50
40
30
20
10
0
0
20
40
60
80
100

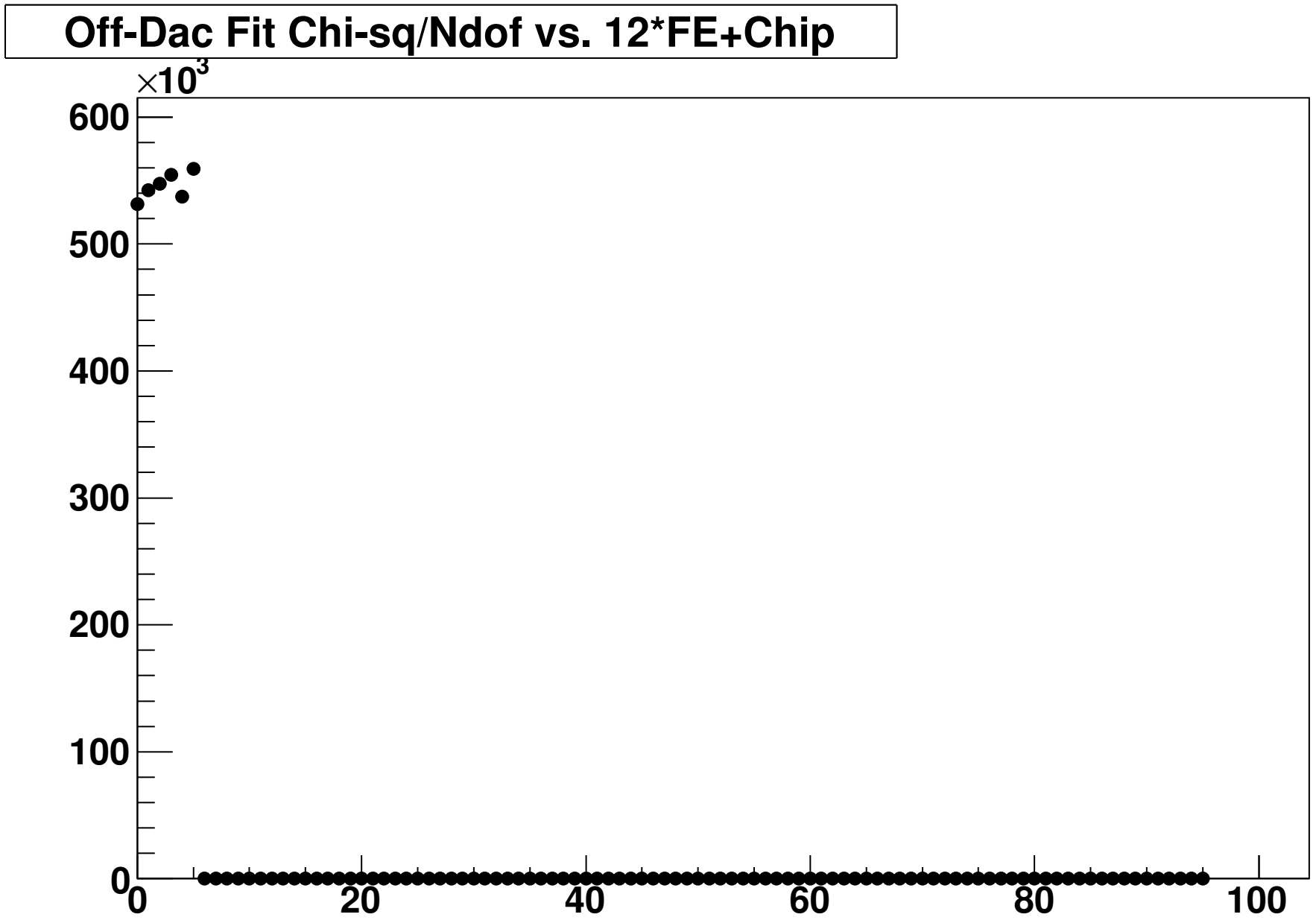

On-Dac Fit Interpolation vs. 12*FE+Chip
35000
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100

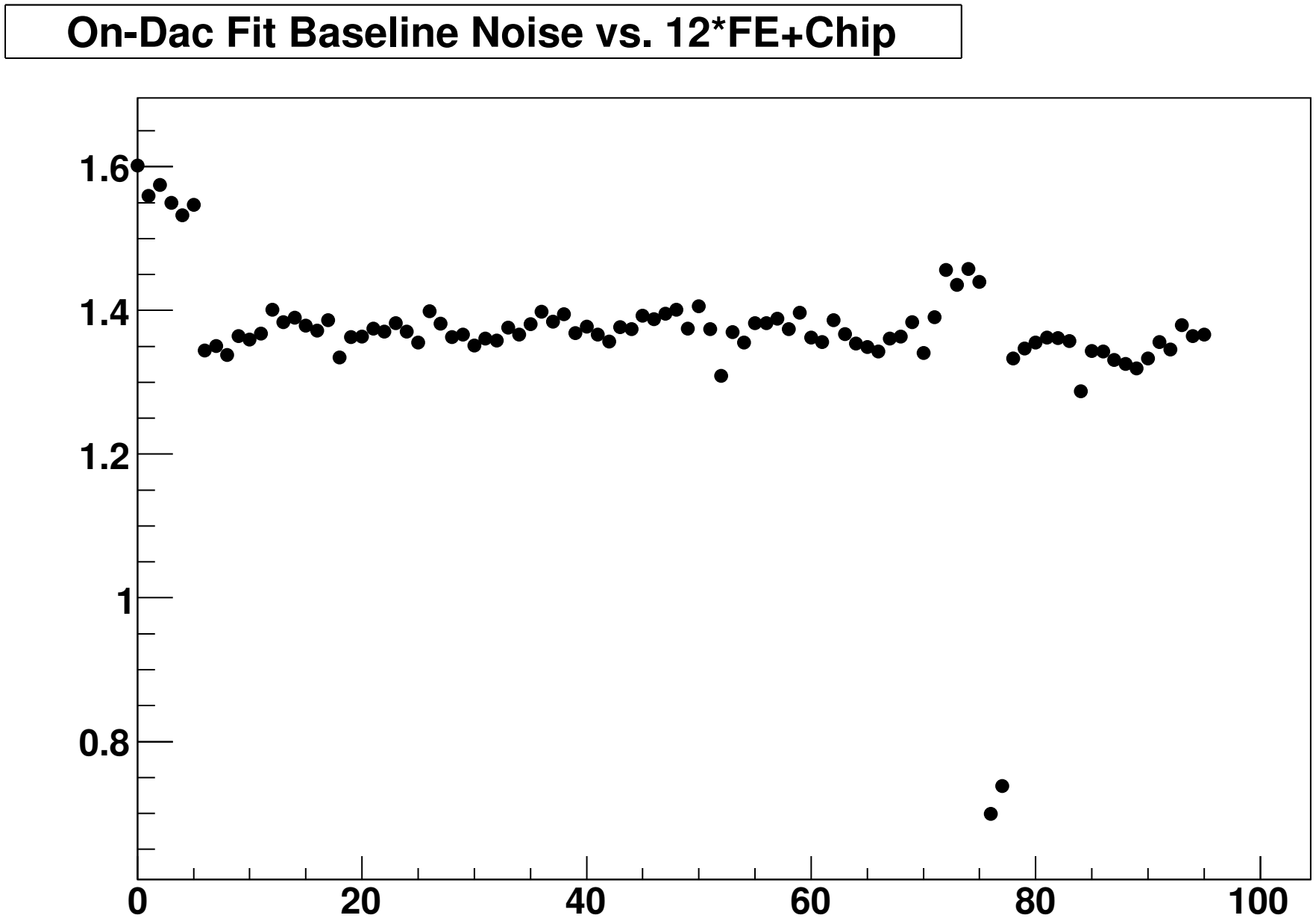

On-Dac Fit Slope vs. 12*FE+Chip
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100

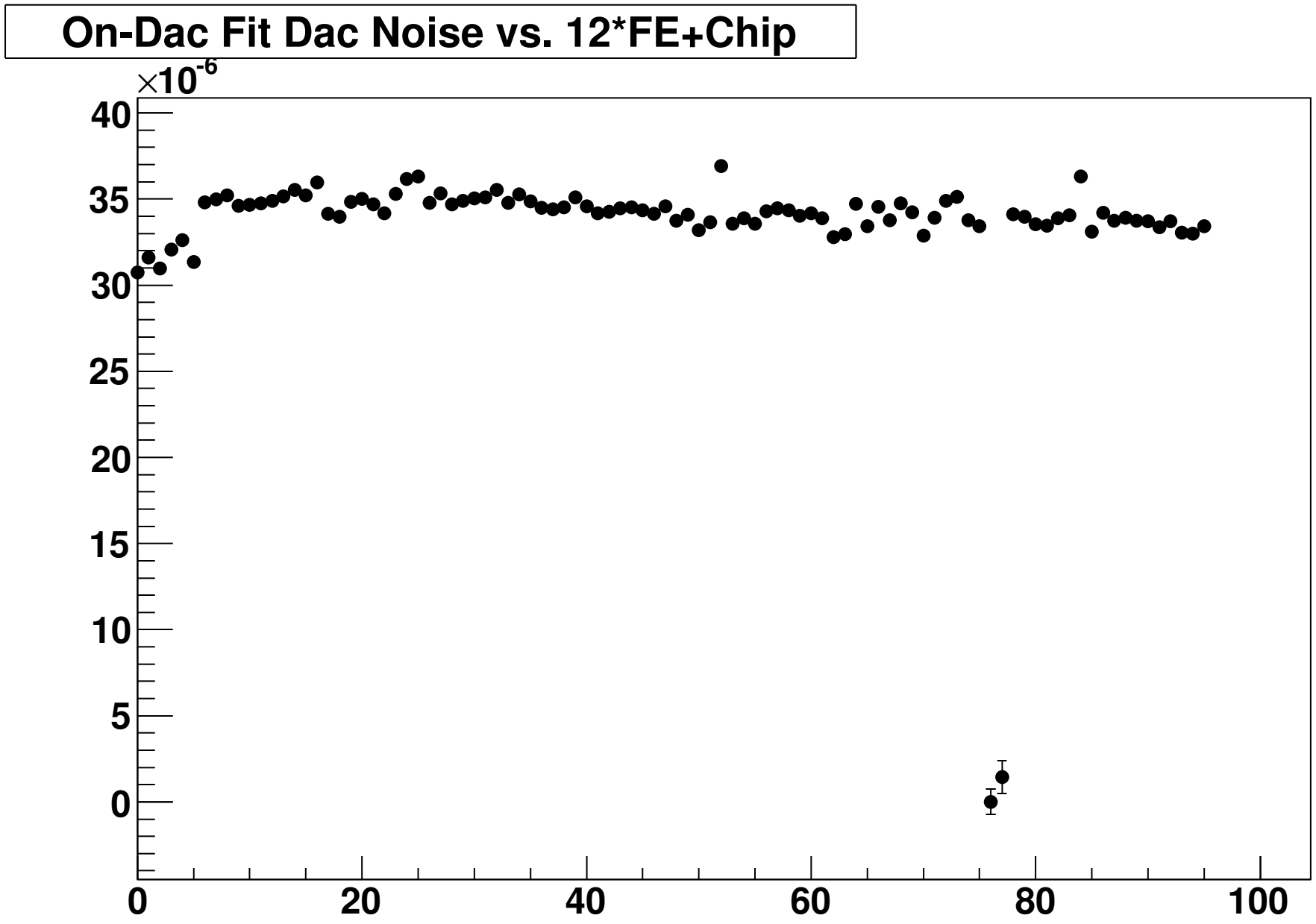

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
100
80
60
40
20
0
0
20
40
60
80
100

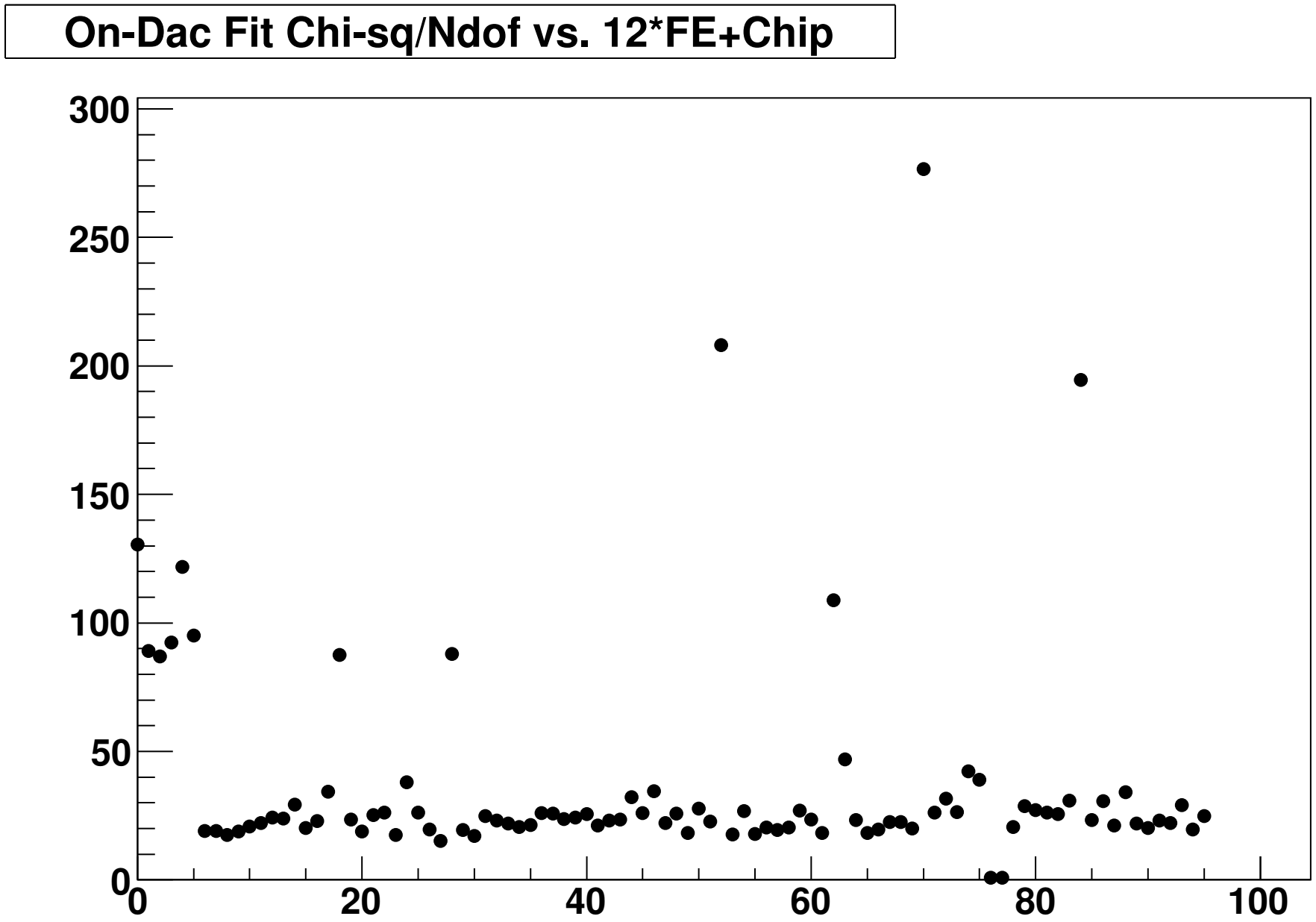

Off-Dac Fit Interpolation vs. 12*FE+Chip
35000
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100

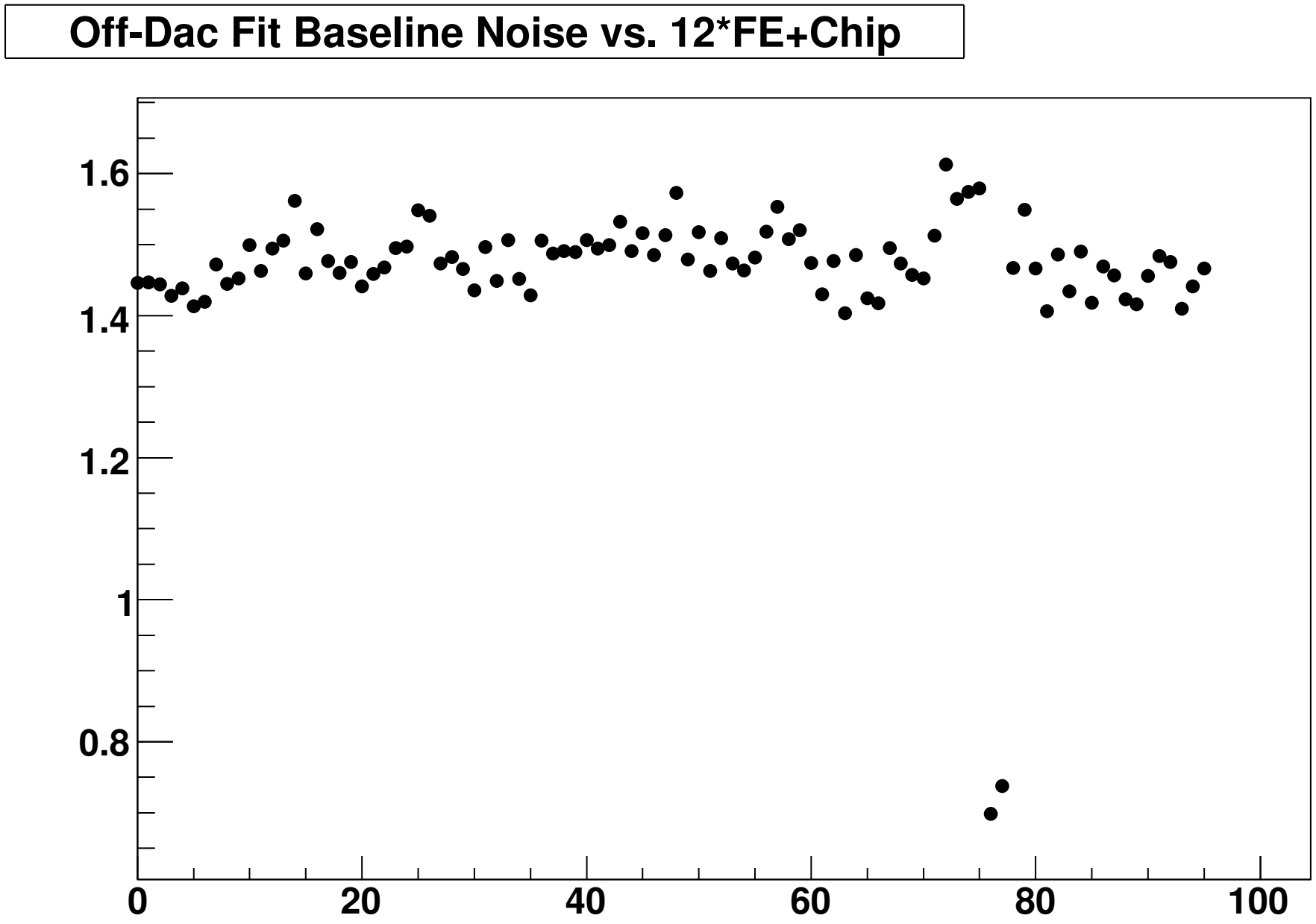

Off-Dac Fit Slope vs. 12*FE+Chip
0.0002
0
-0.0002
-0.0004
-0.0006
-0.0008
-0.001
-0.0012
-0.0014
-0.0016
-0.0018
0
20
40
60
80
100

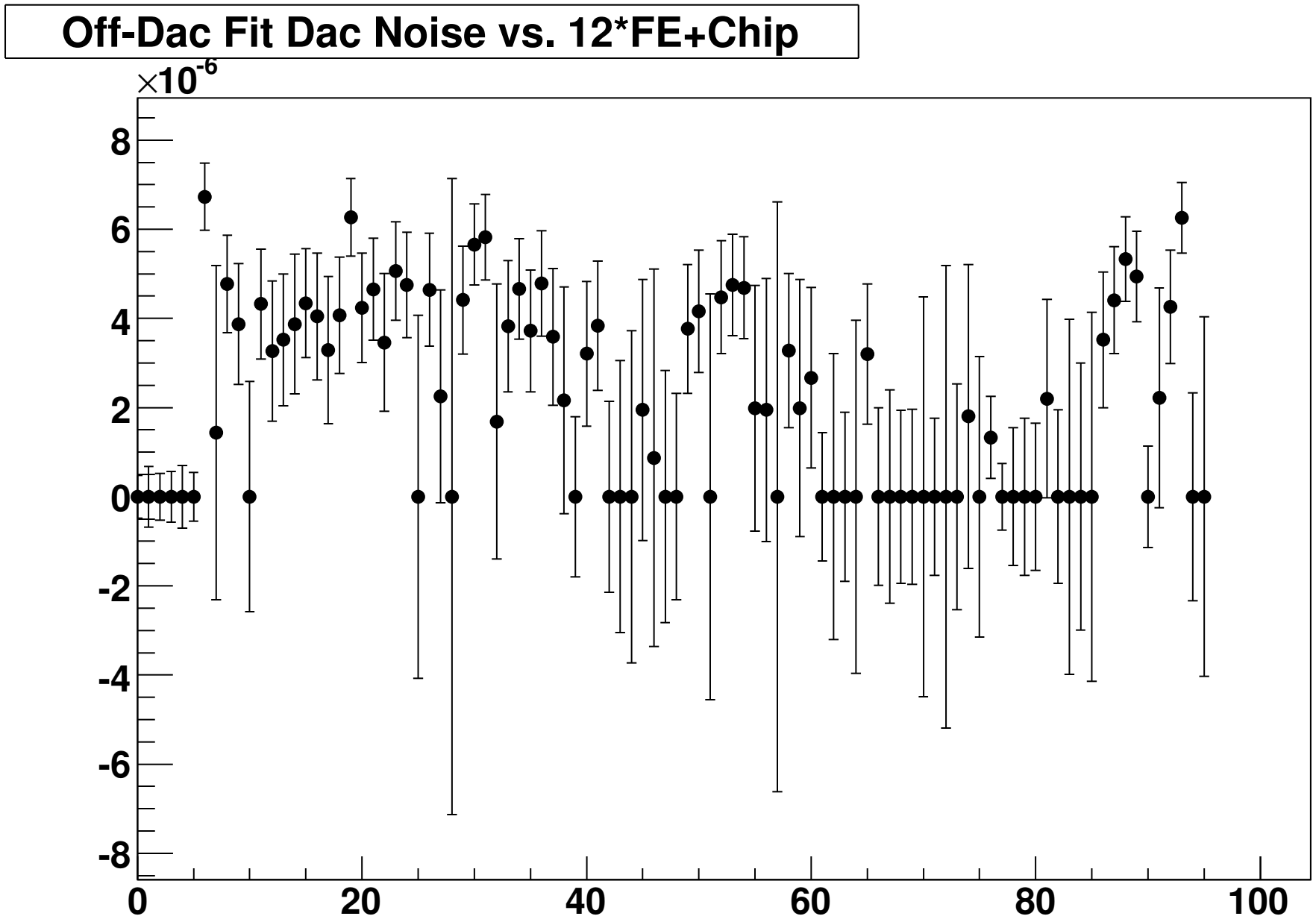

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
600
500
400
300
200
100
0
0
20
40
60
80
100

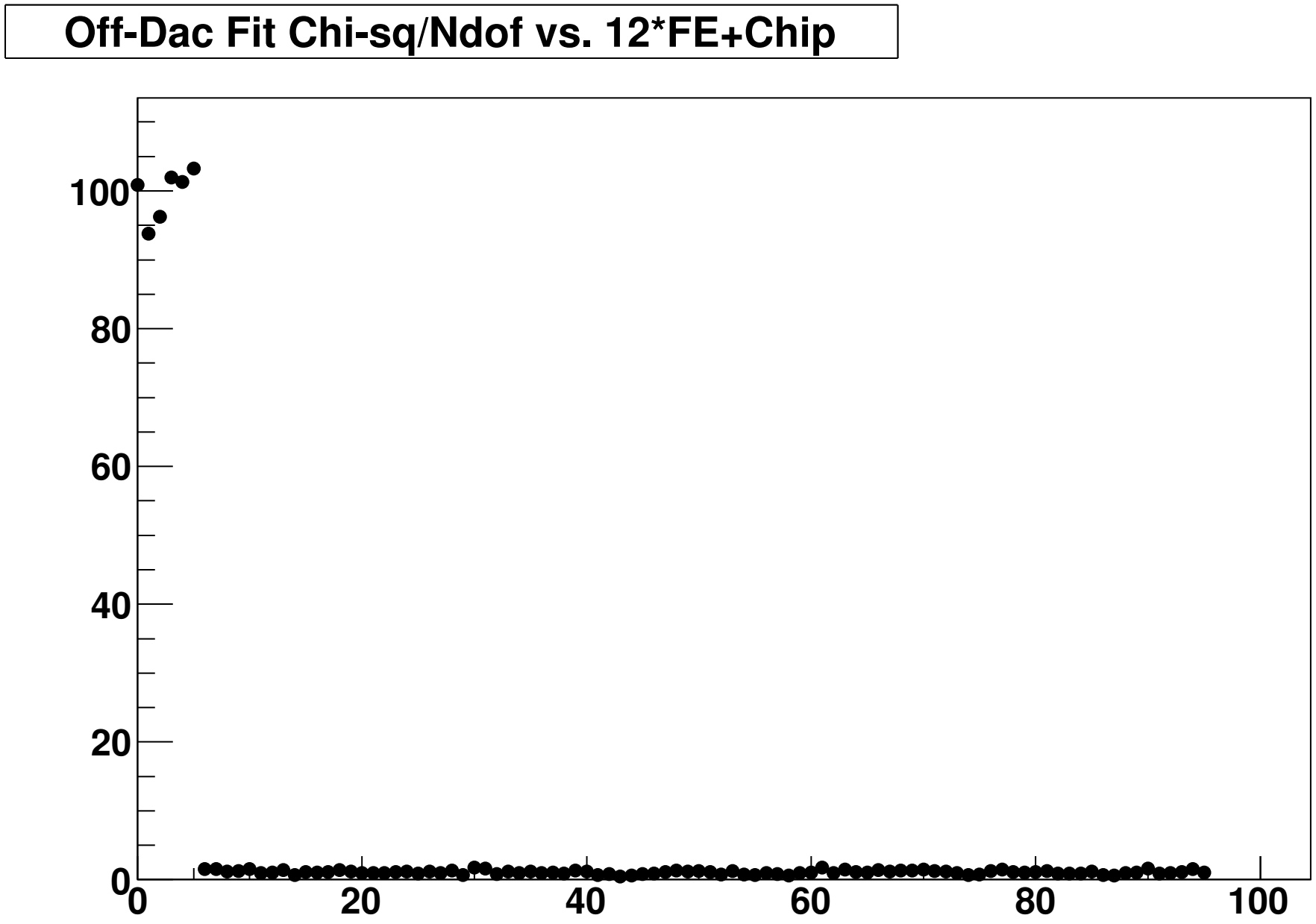

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

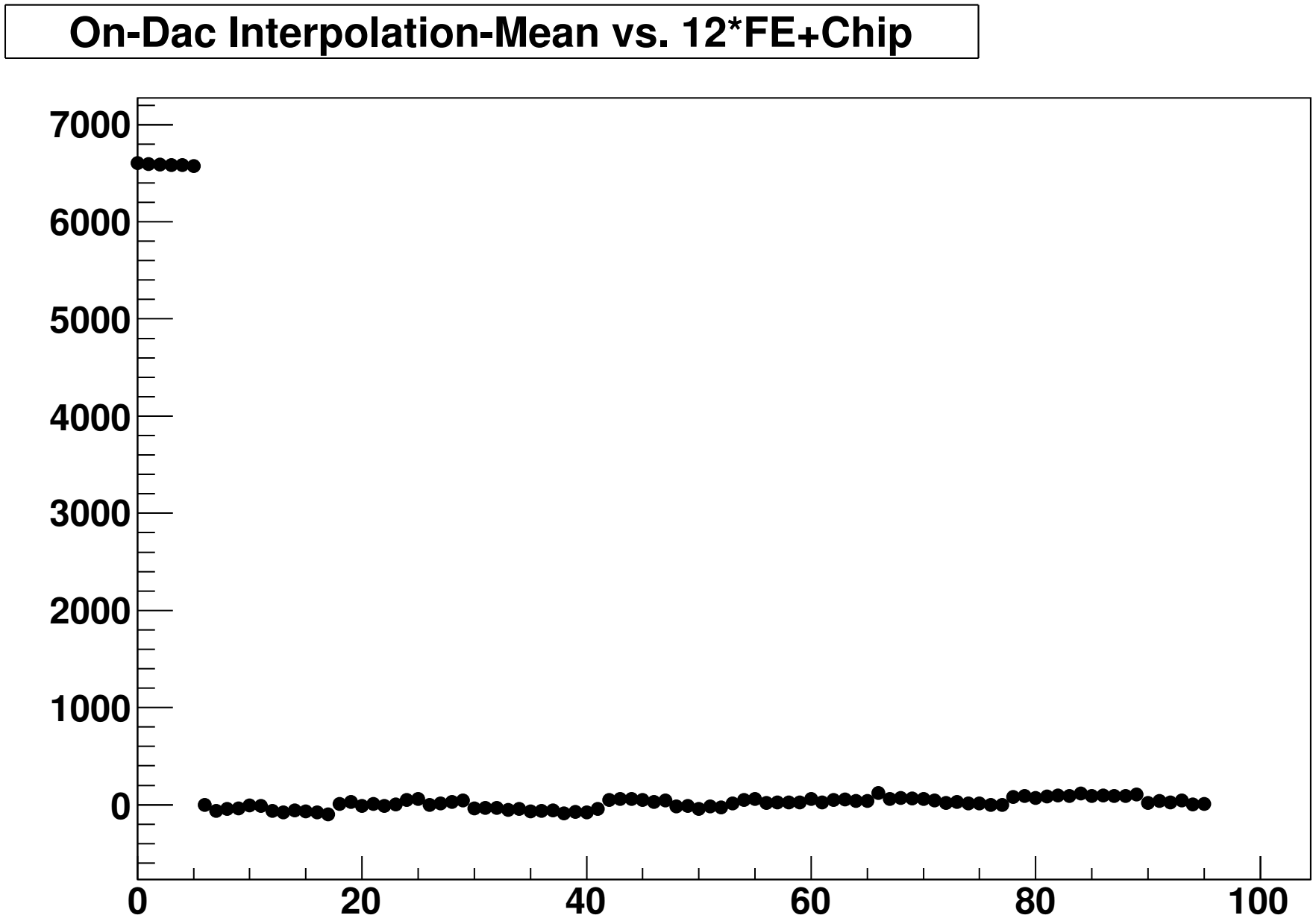

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100

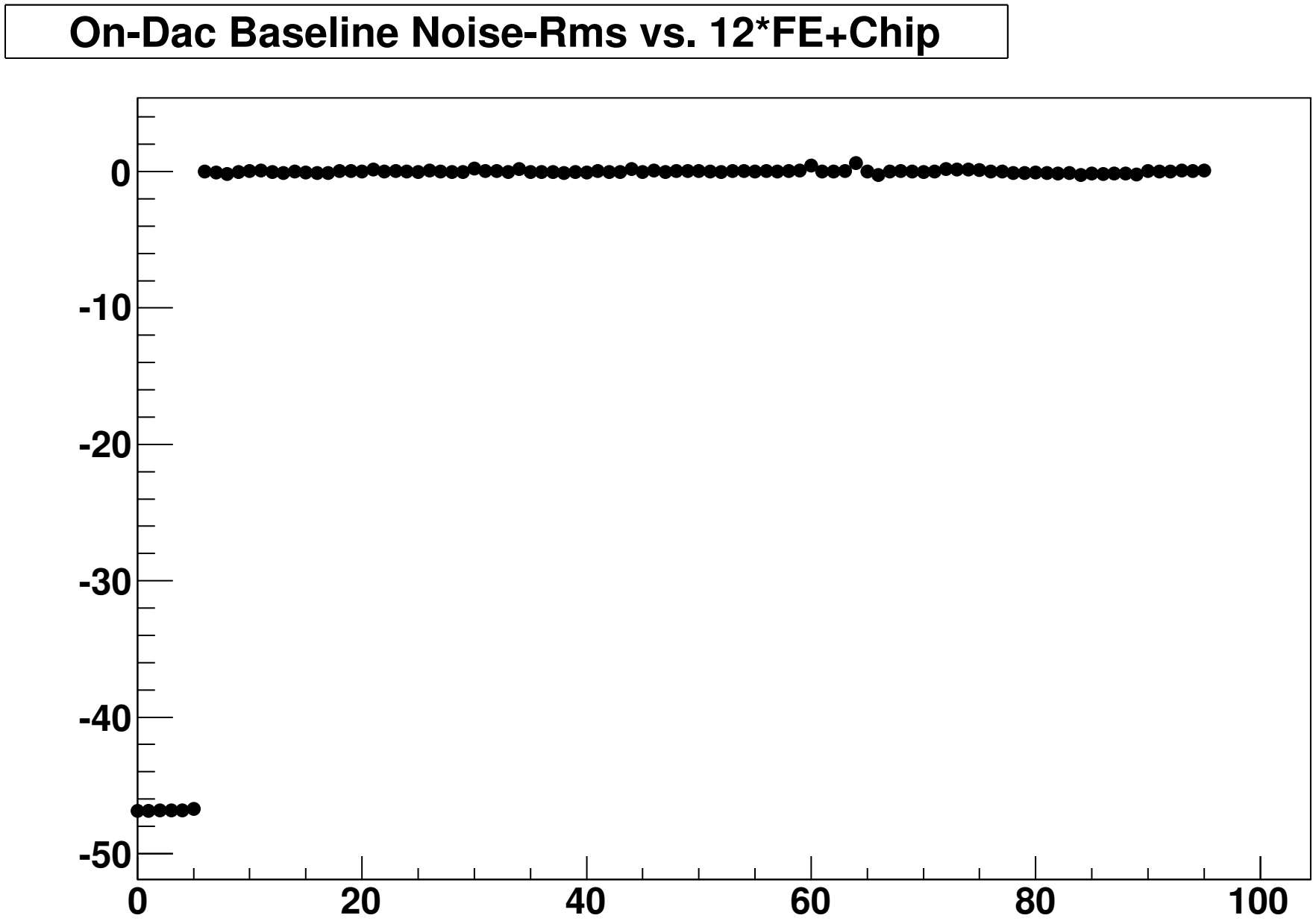

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
300
250
200
150
100
50
0
0
20
40
60
80
100

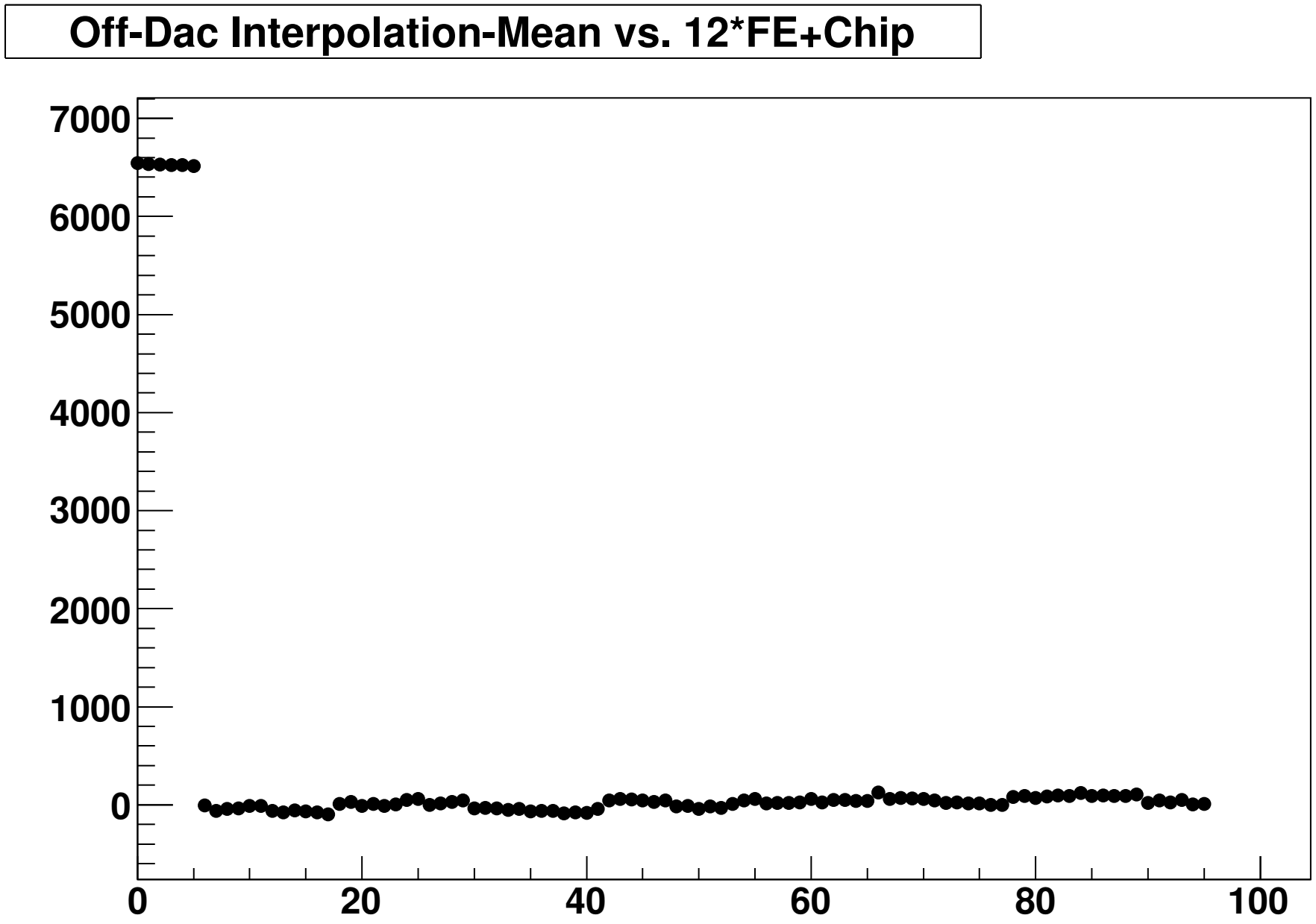

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

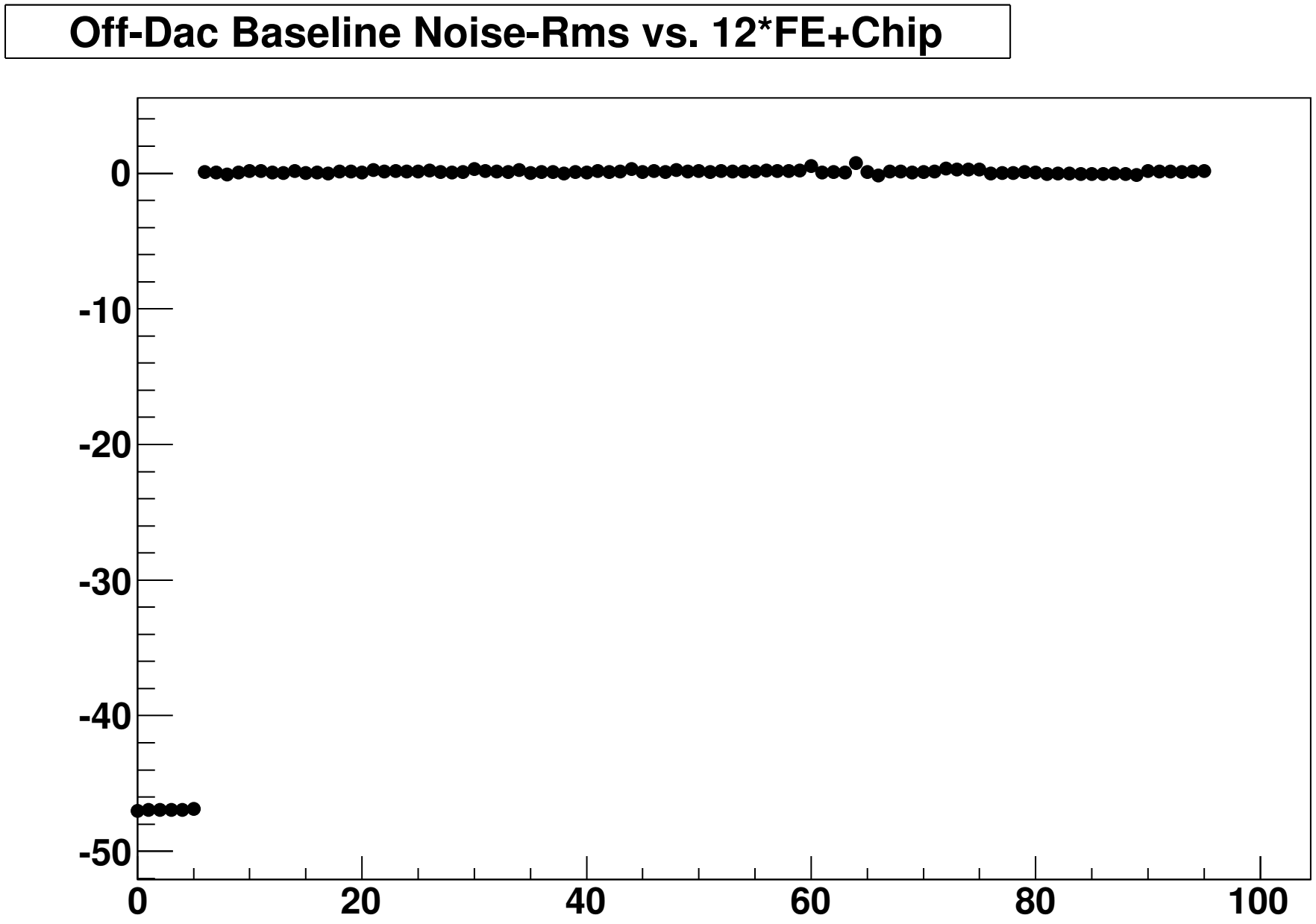

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-10
-20
-30
-40
-50
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-10
-20
-30
-40
-50
0
20
40
60
80
100