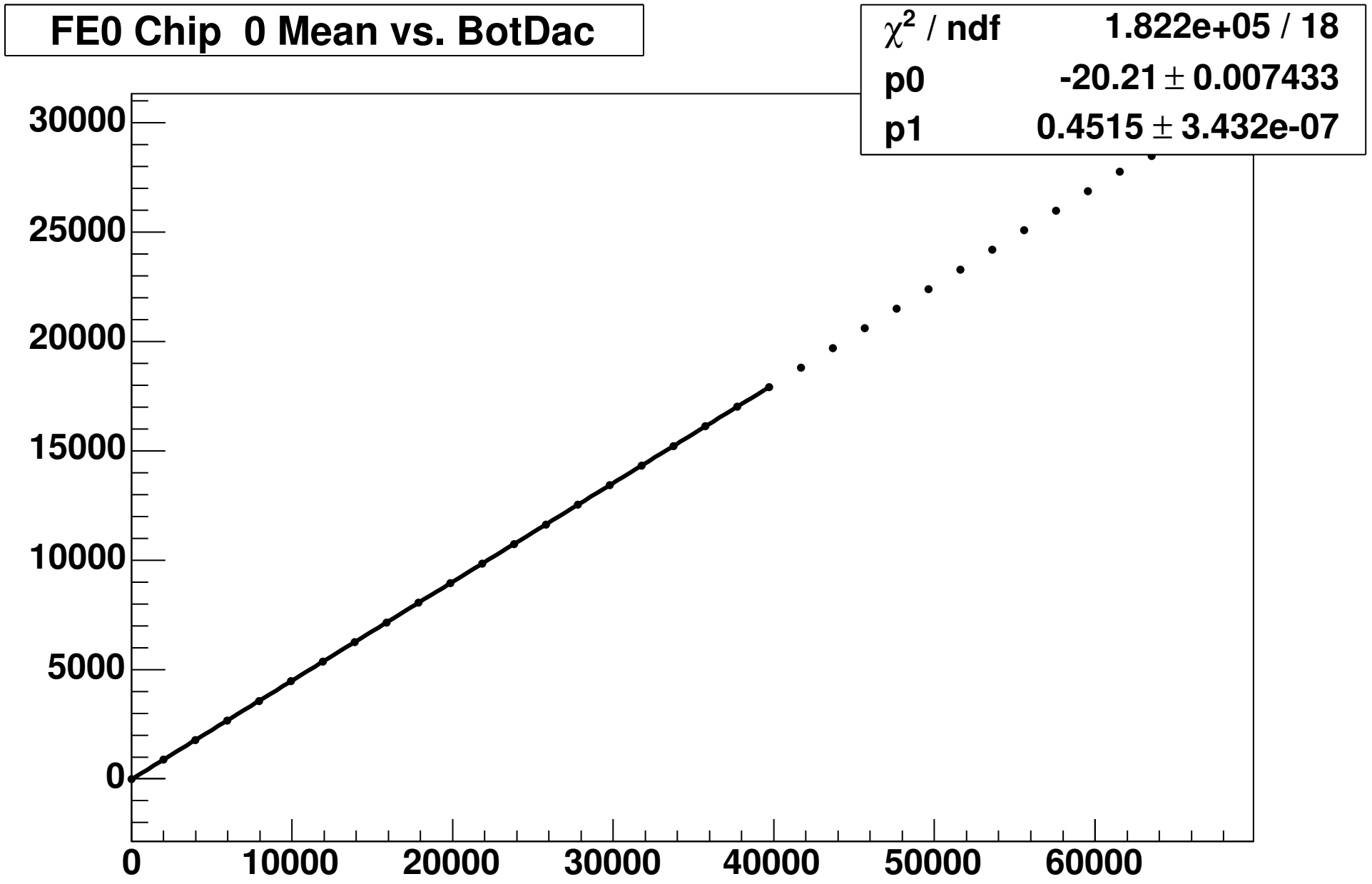
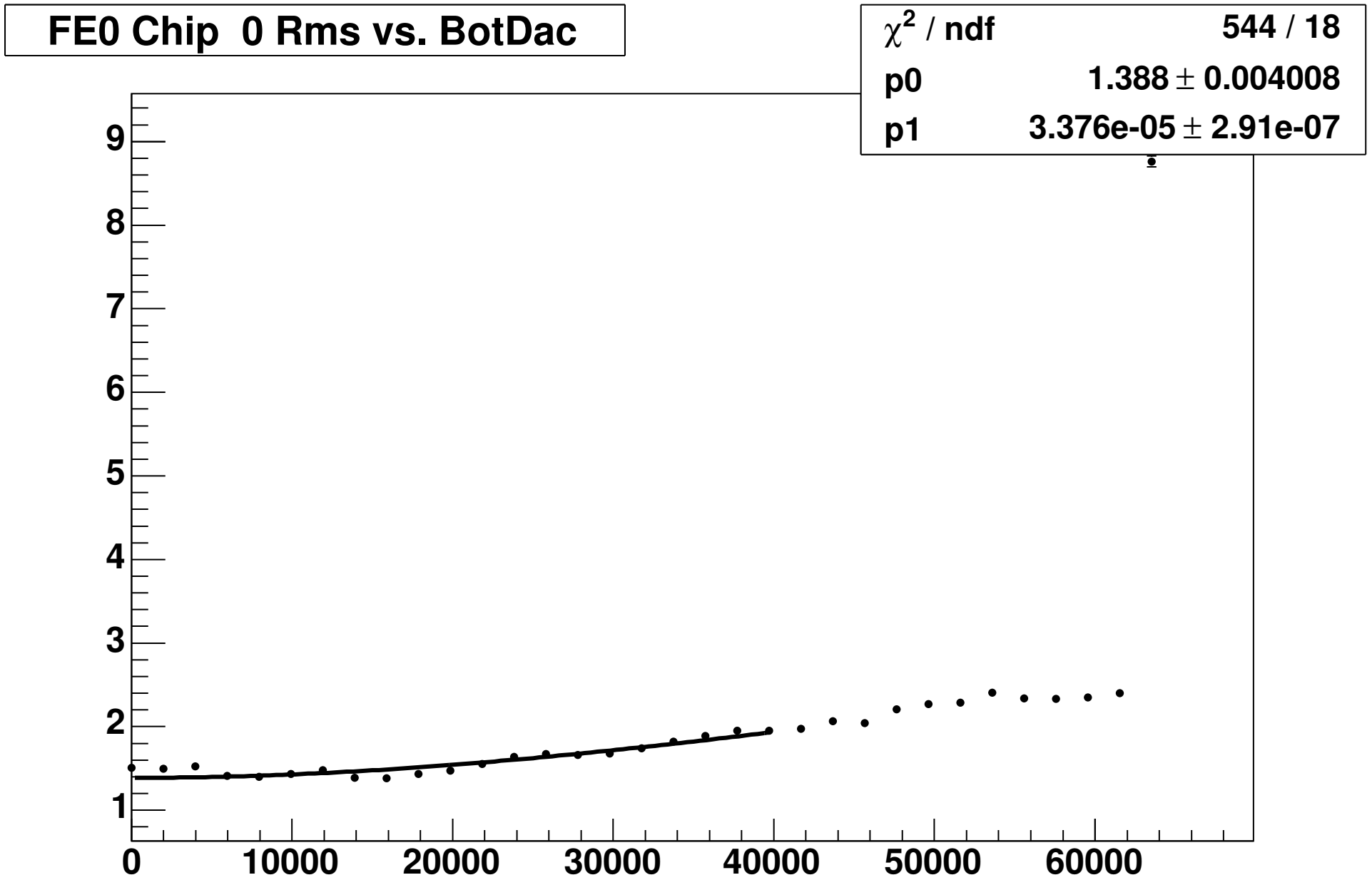
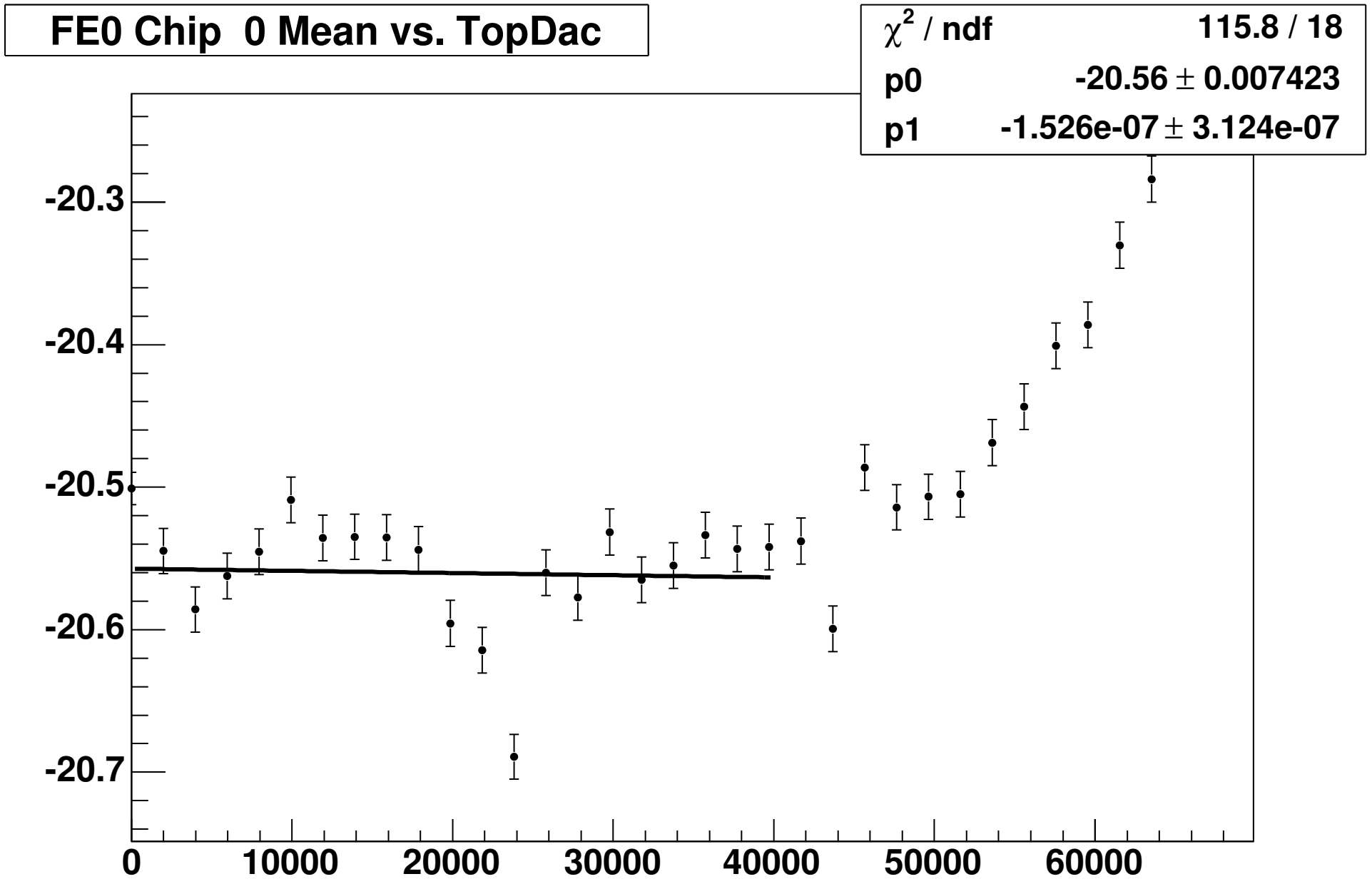
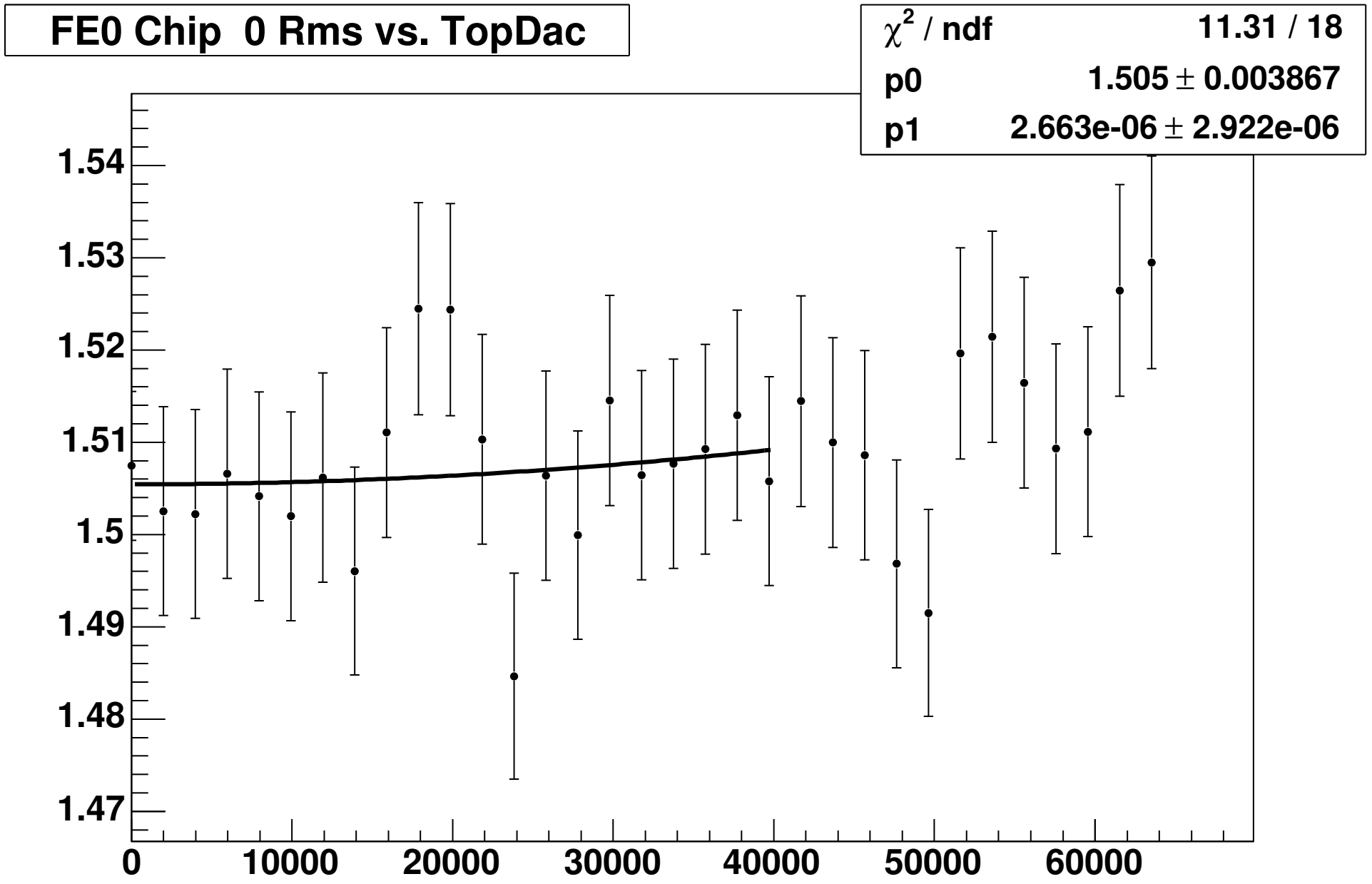
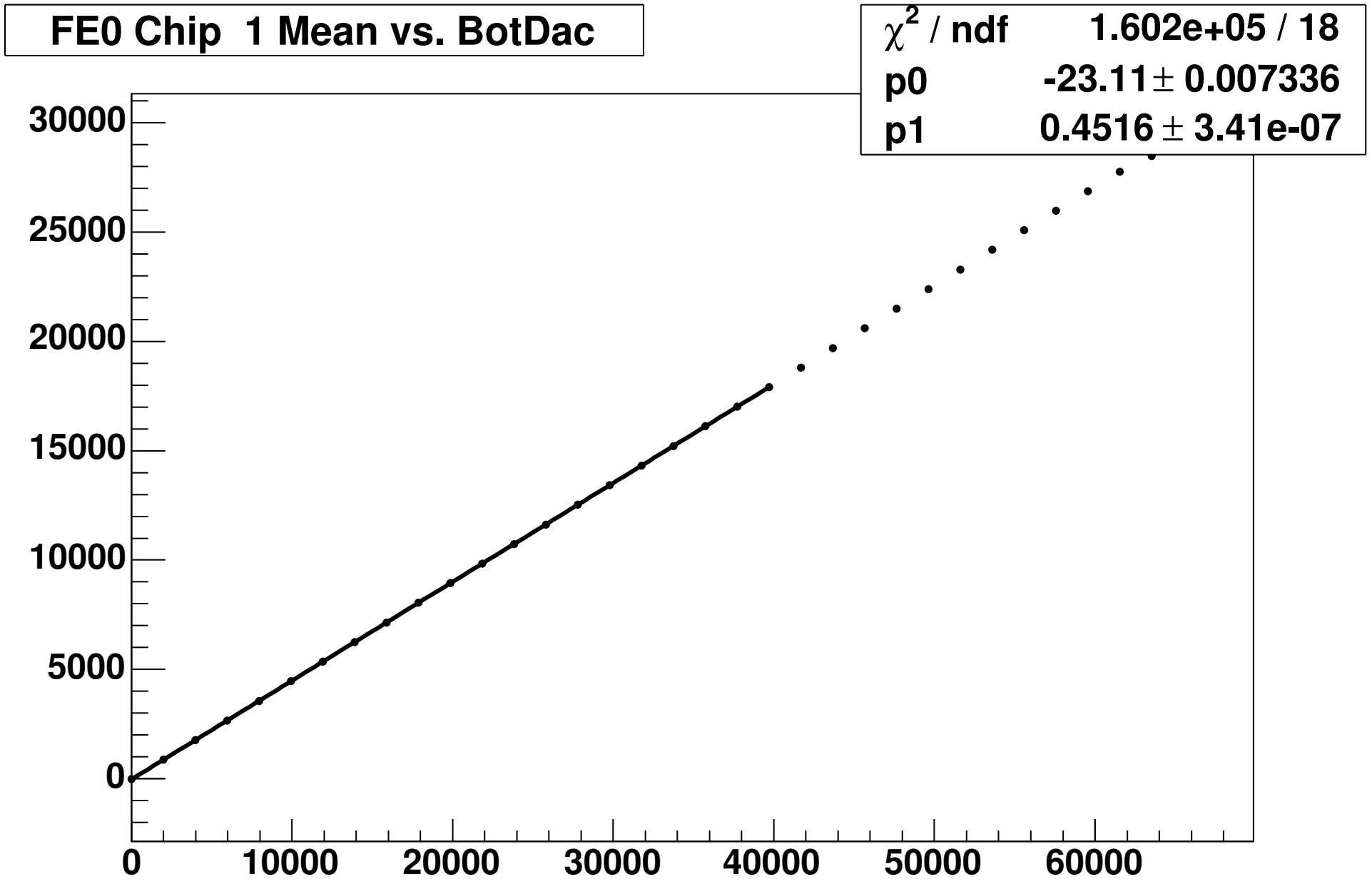
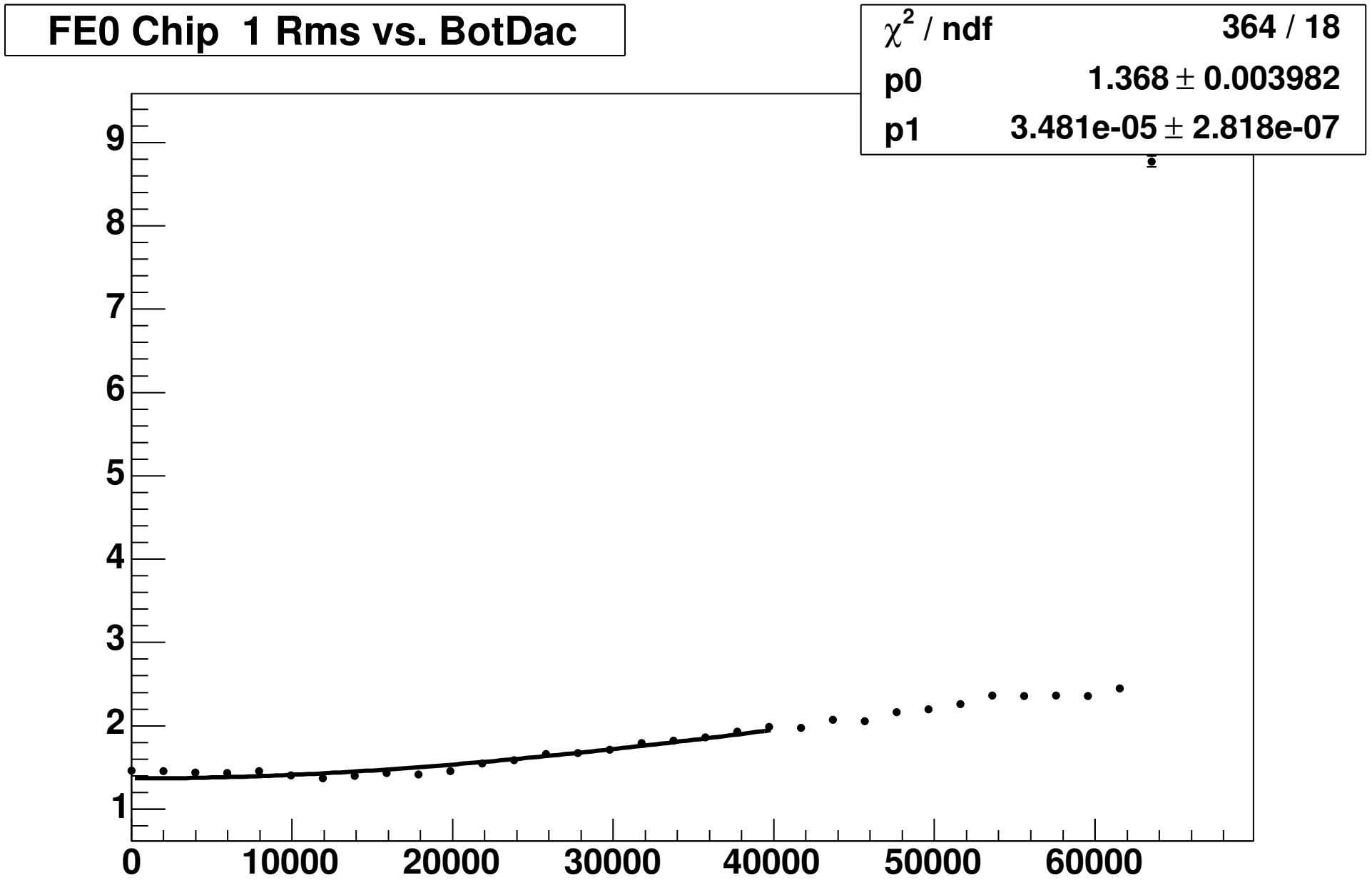

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.822e+05 / 18
p0 -20.21 ± 0.007433
p1 0.4515 ± 3.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

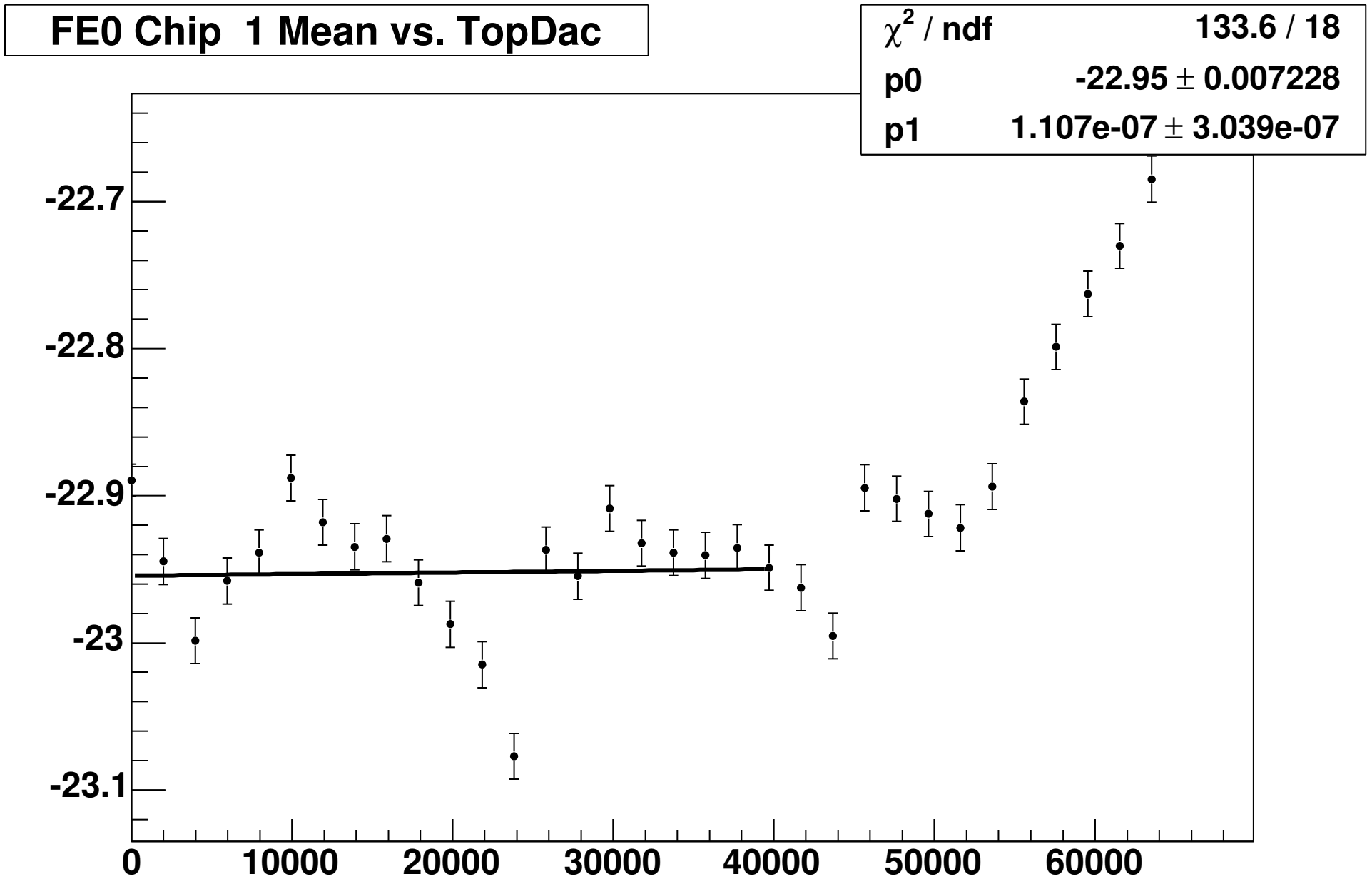

FE0 Chip 0 Rms vs. BotDac
χ² / ndf 544 / 18
p0 1.388 ± 0.004008
p1 3.376e-05 ± 2.91e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

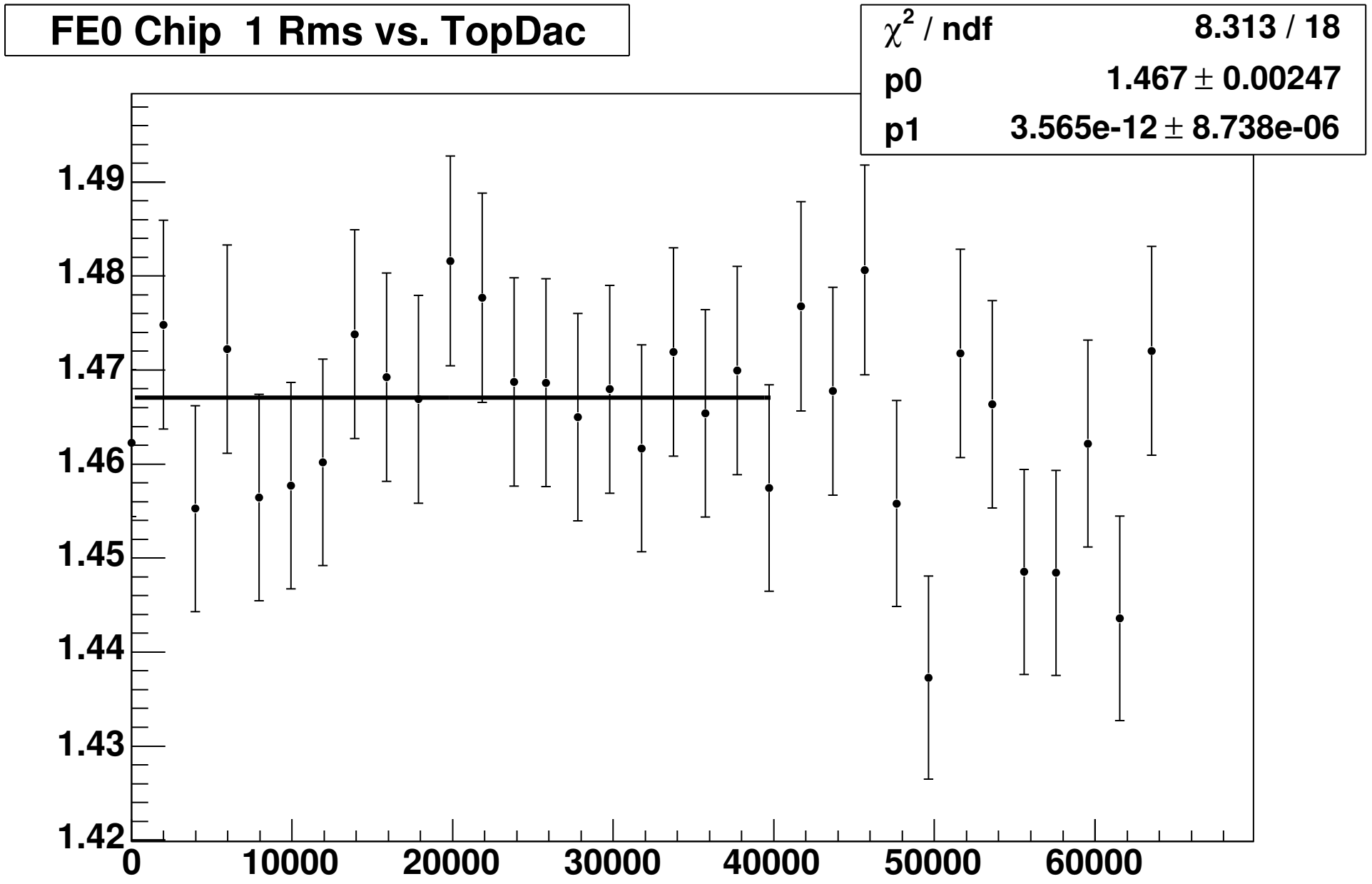

FE0 Chip 0 Mean vs. TopDac
χ² / ndf 115.8 / 18
p0 -20.56 ± 0.007423
p1 -1.526e-07 ± 3.124e-07
-20.3
-20.4
-20.5
-20.6
-20.7
0
10000
20000
30000
40000
50000
60000

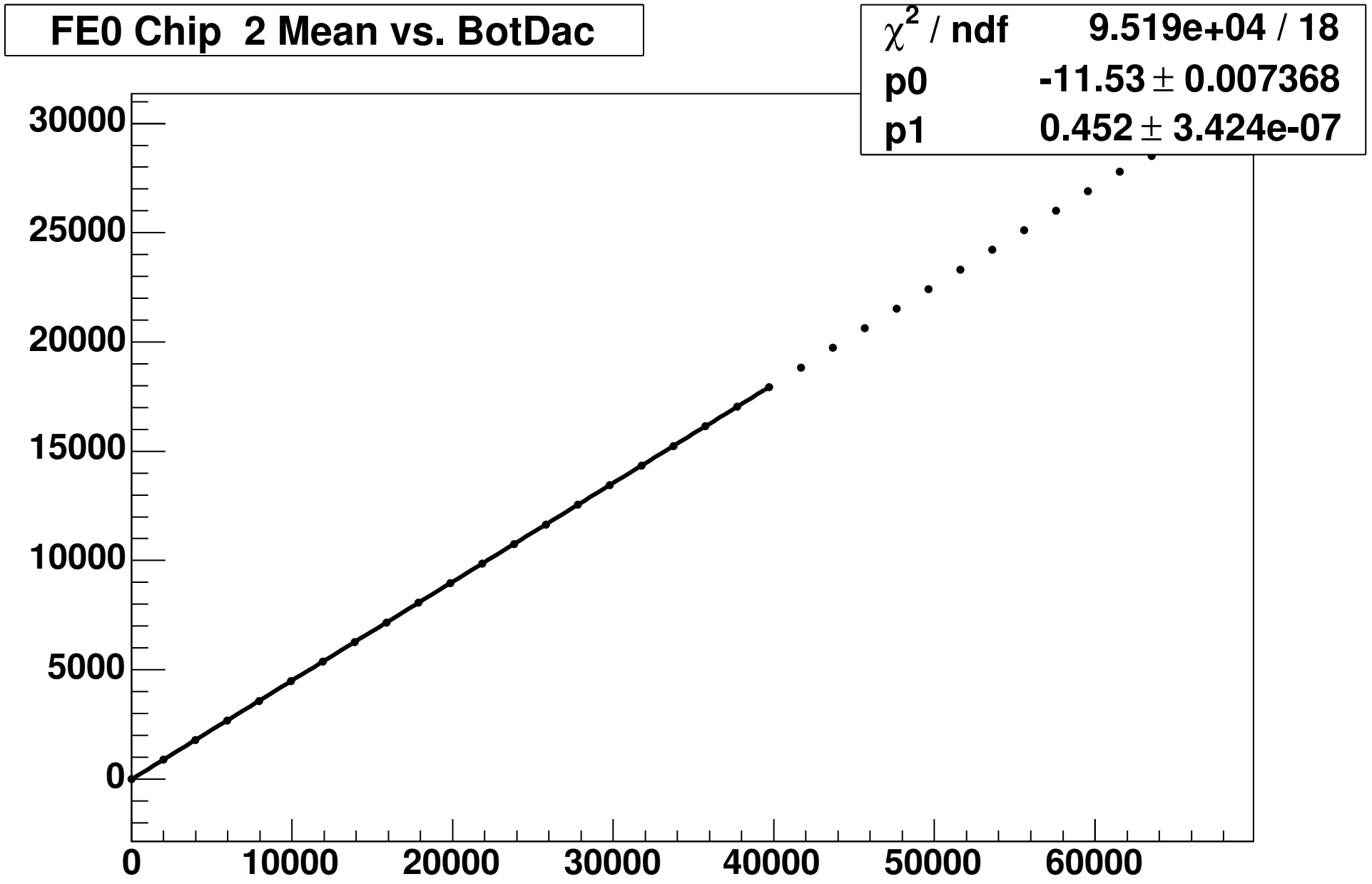

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 11.31 / 18
p0 1.505 ± 0.003867
p1 2.663e-06 ± 2.922e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

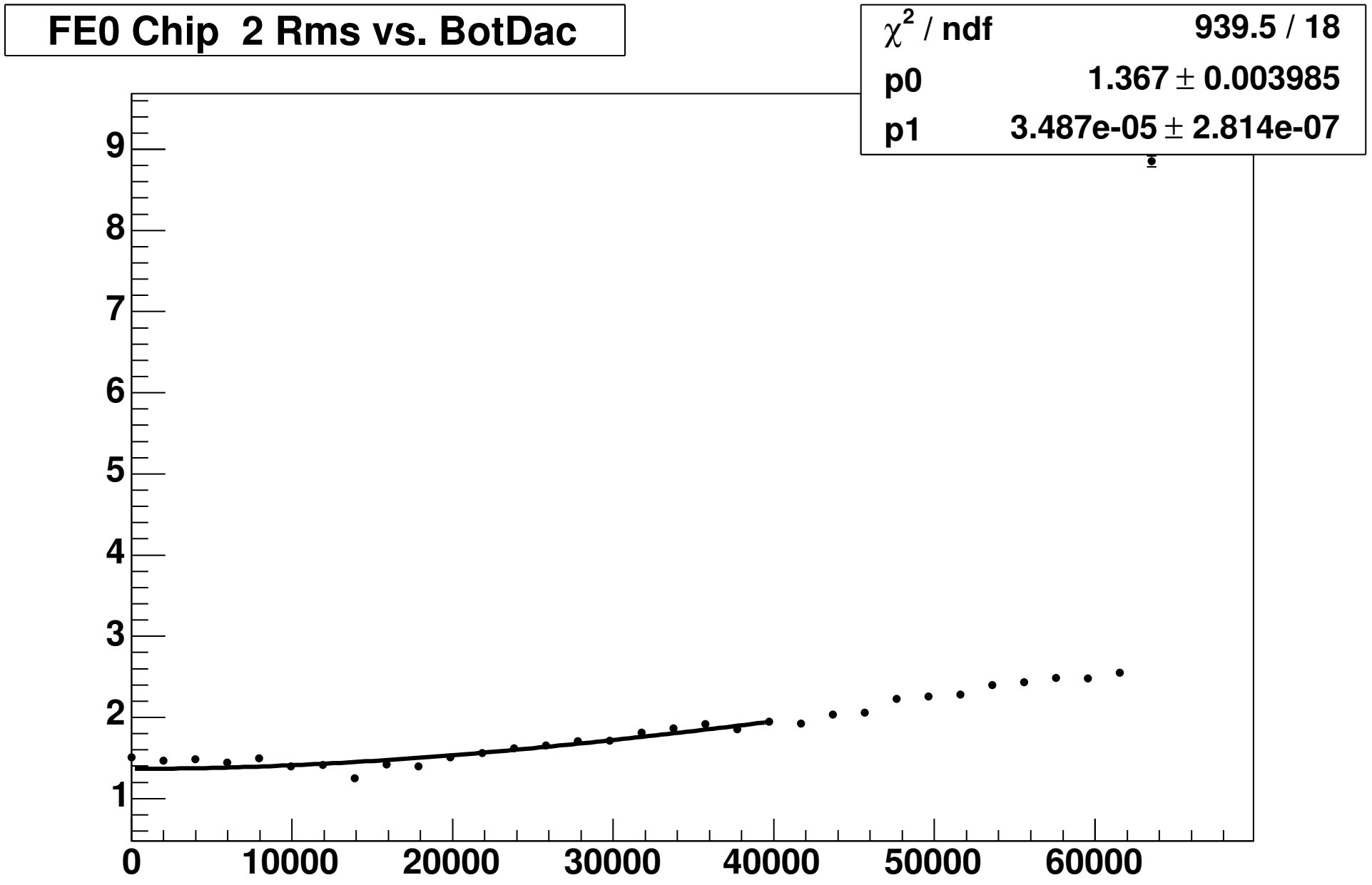

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.602e+05 / 18
p0 -23.11 ± 0.007336
p1 0.4516 ± 3.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

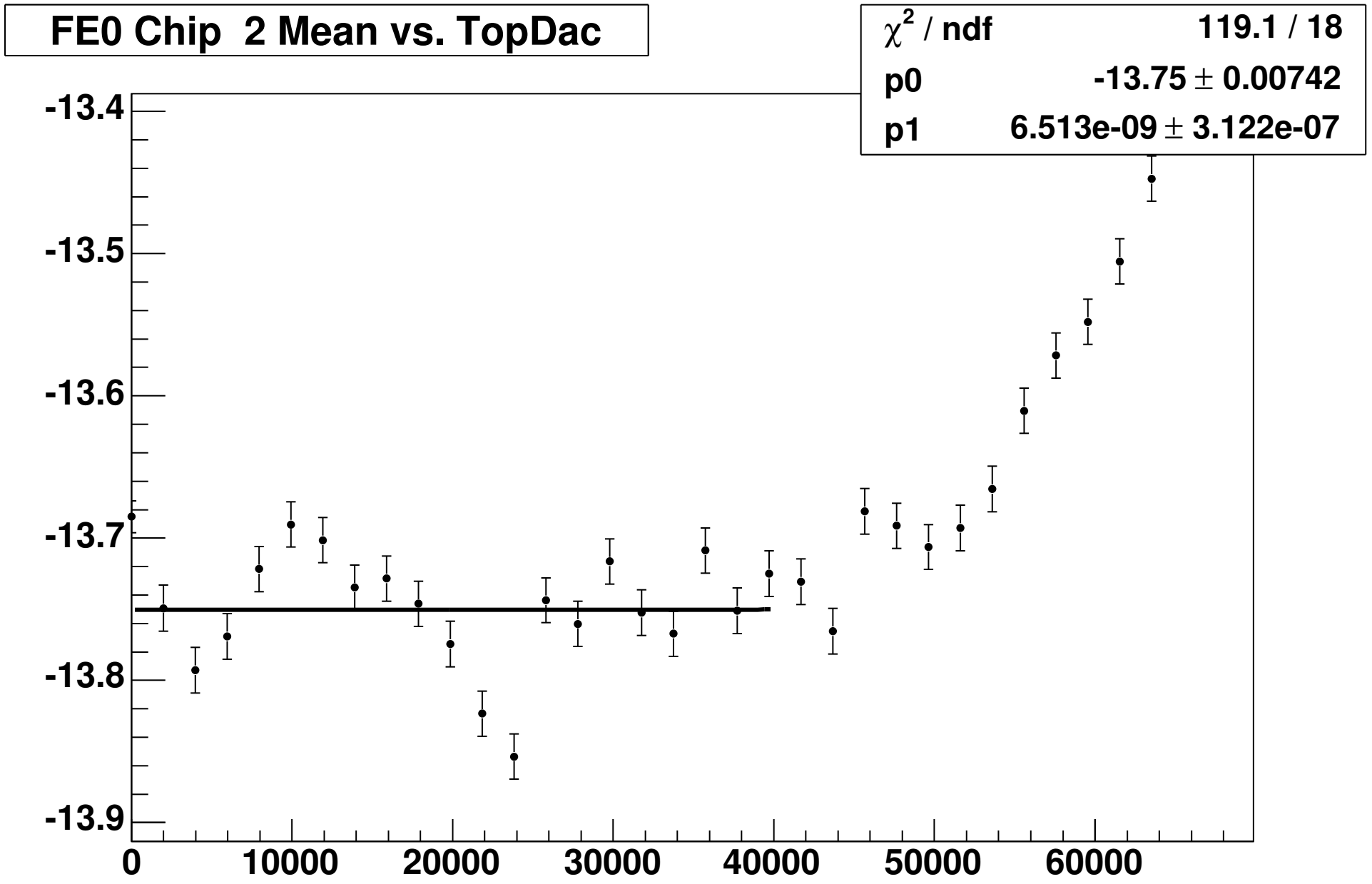

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 364 / 18
p0 1.368 ± 0.003982
p1 3.481e-05 ± 2.818e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

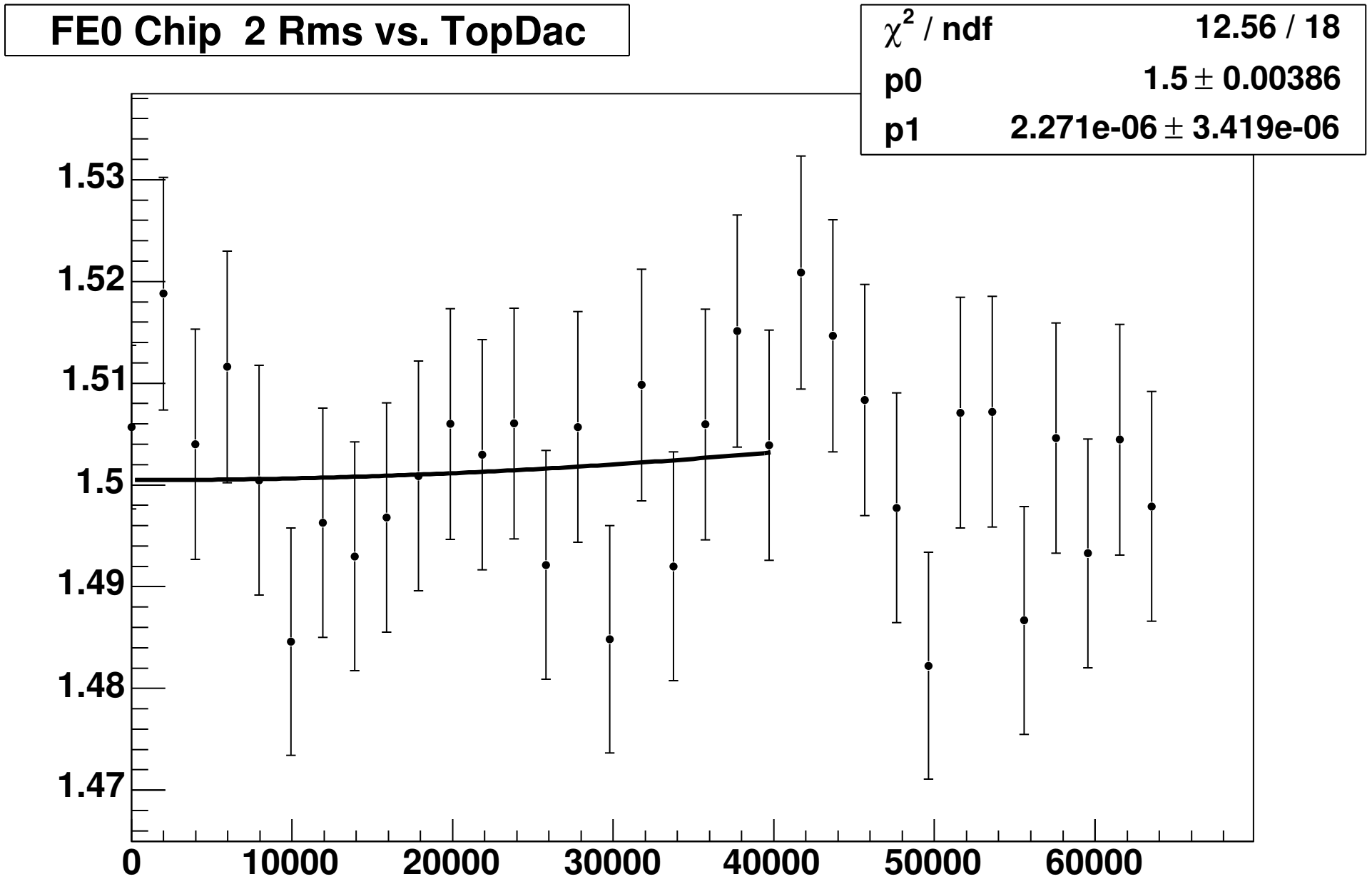

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 133.6 / 18
p0 -22.95 ± 0.007228
p1 1.107e-07 ± 3.039e-07
-22.7
-22.8
-22.9
-23
-23.1
0
10000
20000
30000
40000
50000
60000

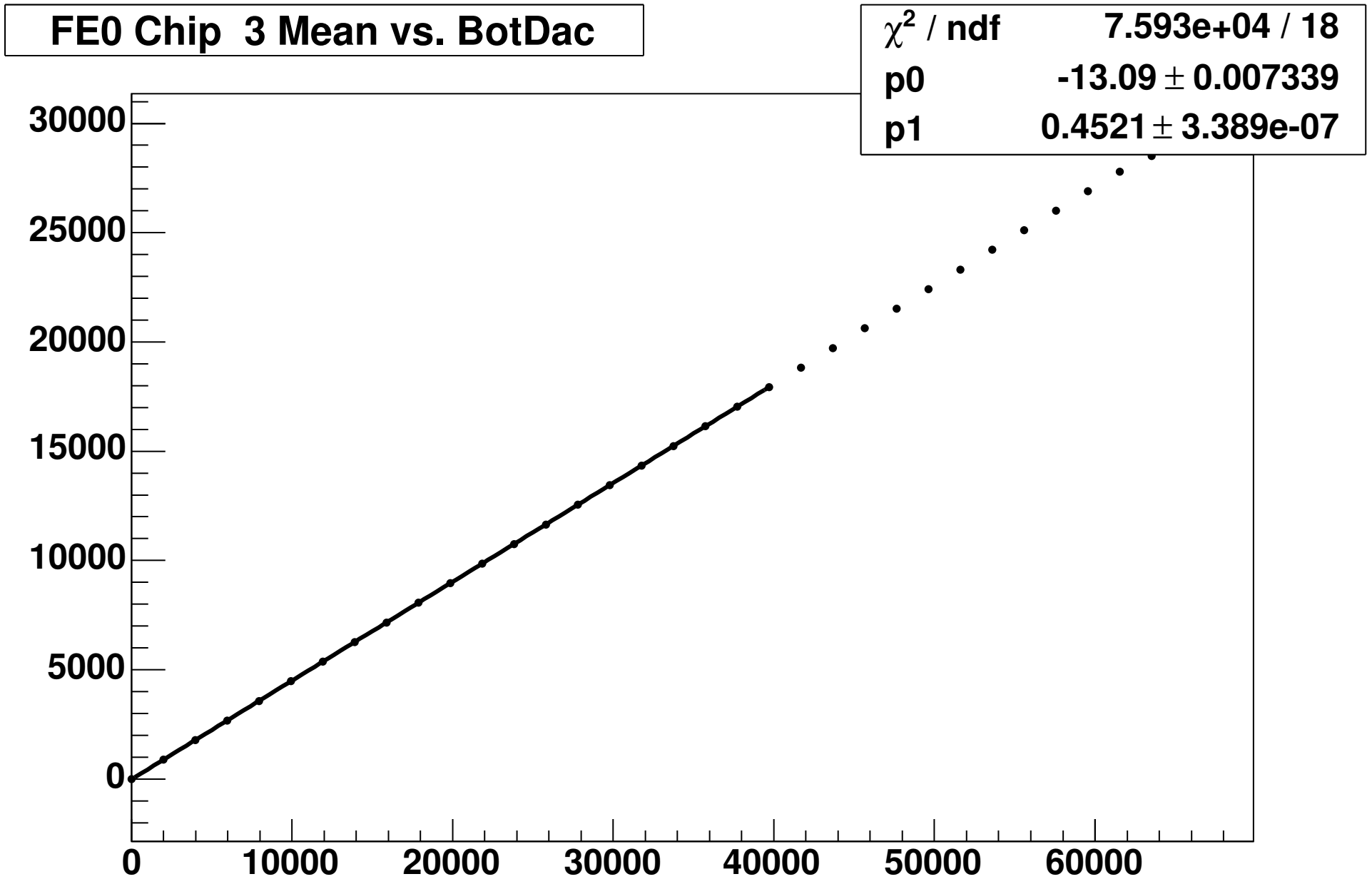

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 8.313 / 18
p0 1.467 ± 0.00247
p1 3.565e-12 ± 8.738e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

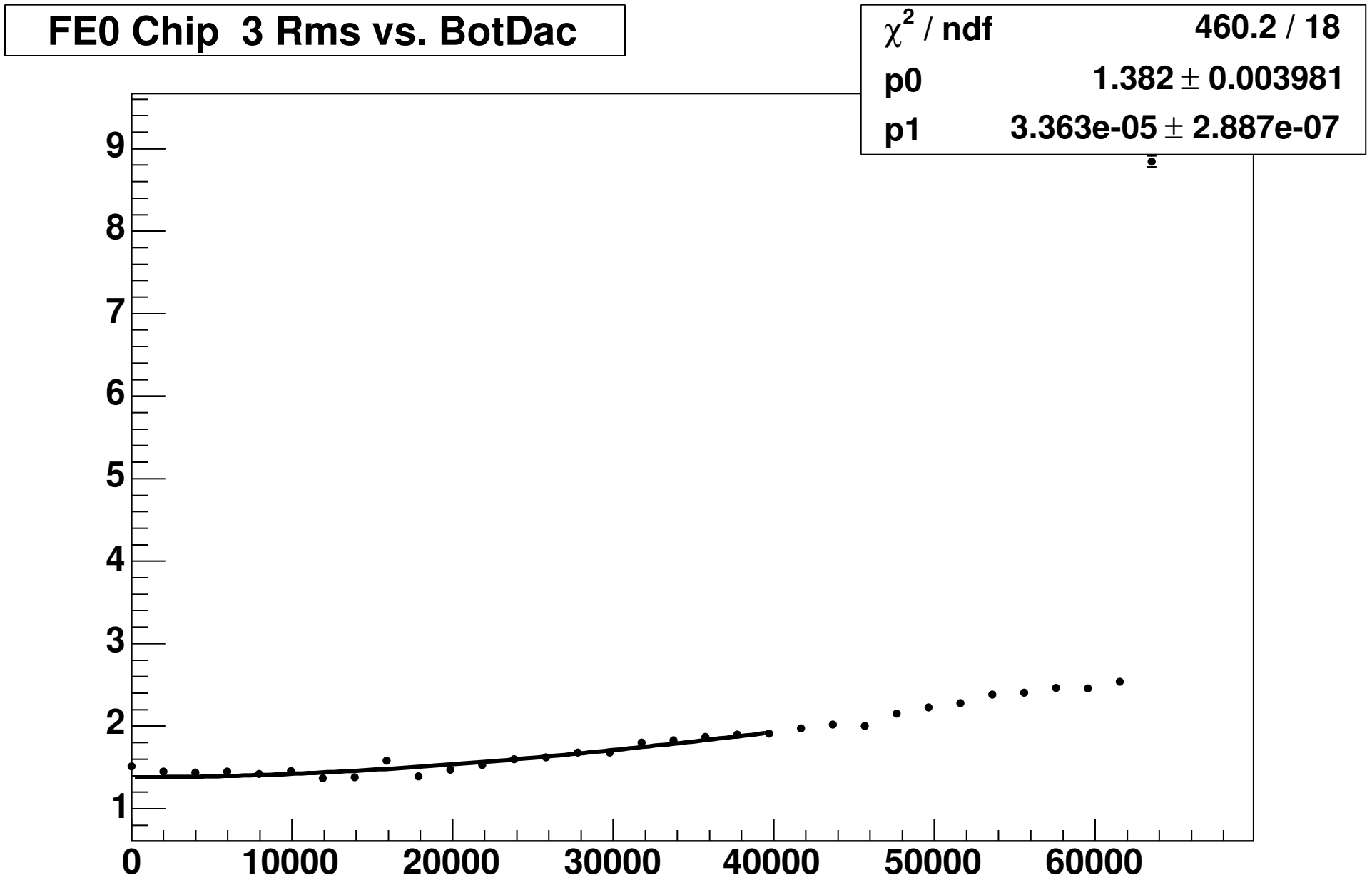

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 9.519e+04 / 18
p0 -11.53 ± 0.007368
p1 0.452 ± 3.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

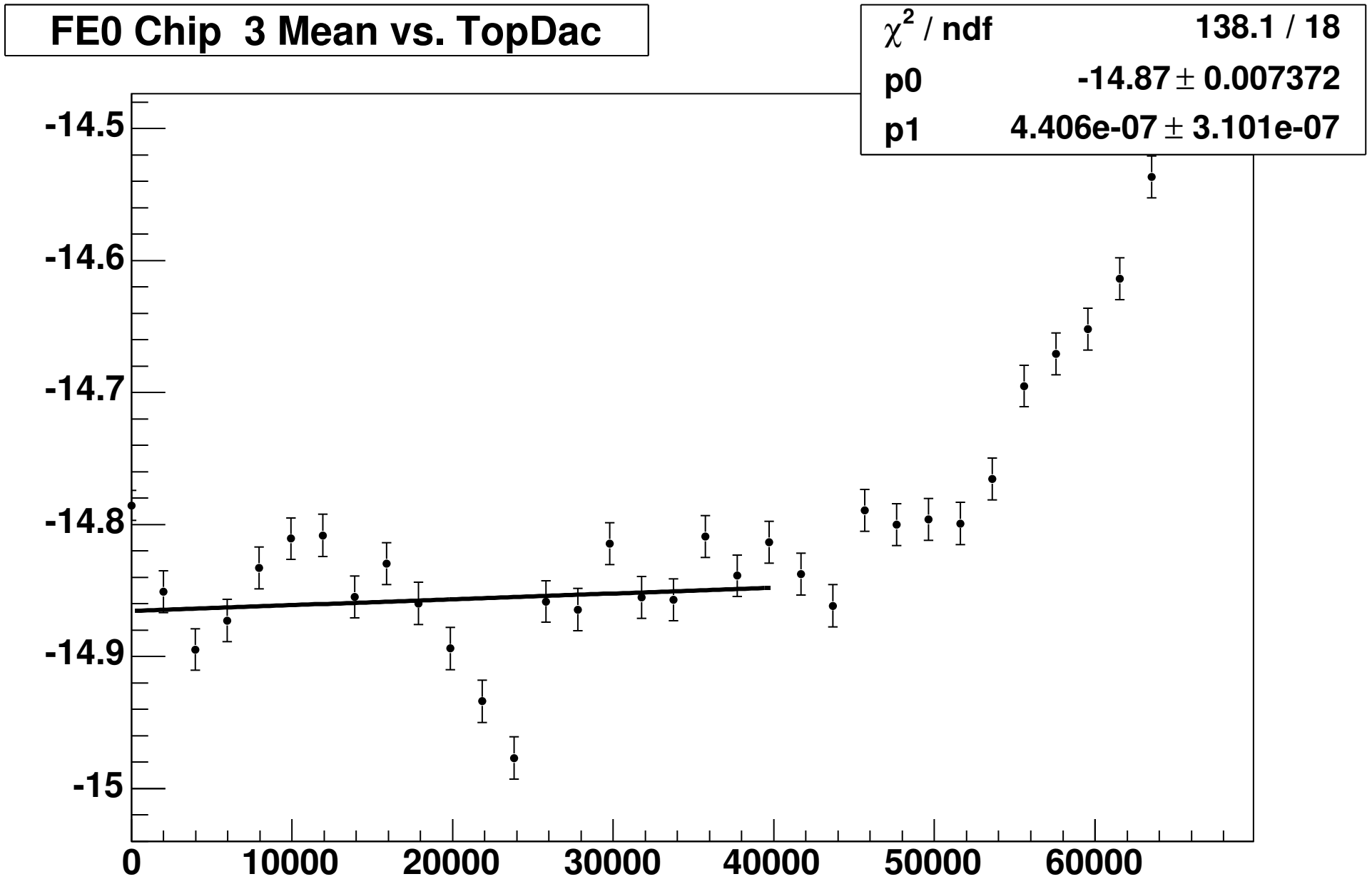

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 939.5 / 18
p0 1.367 ± 0.003985
p1 3.487e-05 ± 2.814e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

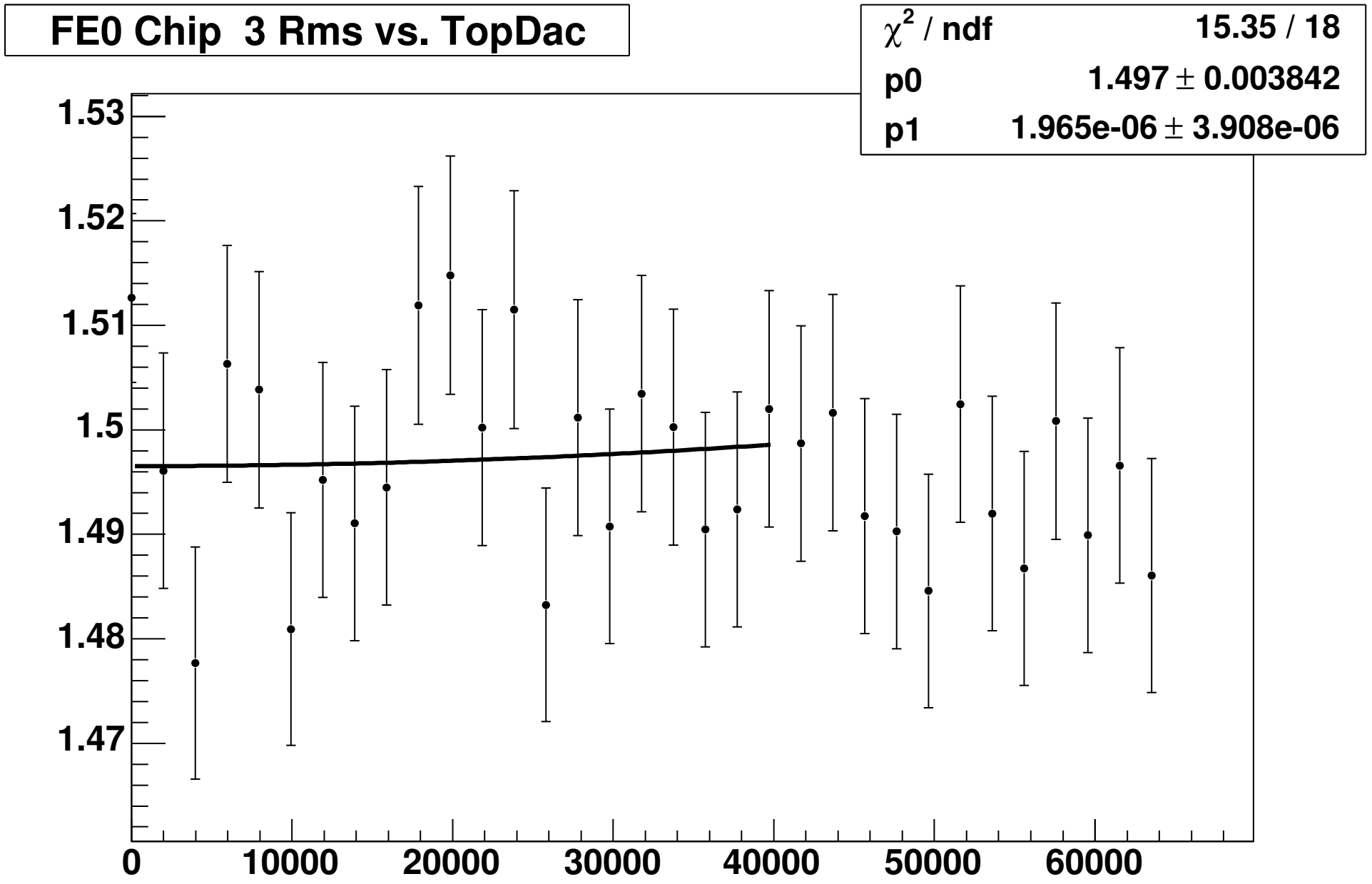

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 119.1 / 18
p0 -13.75 ± 0.00742
p1 6.513e-09 ± 3.122e-07
-13.4
-13.5
-13.6
-13.7
-13.8
-13.9
0
10000
20000
30000
40000
50000
60000

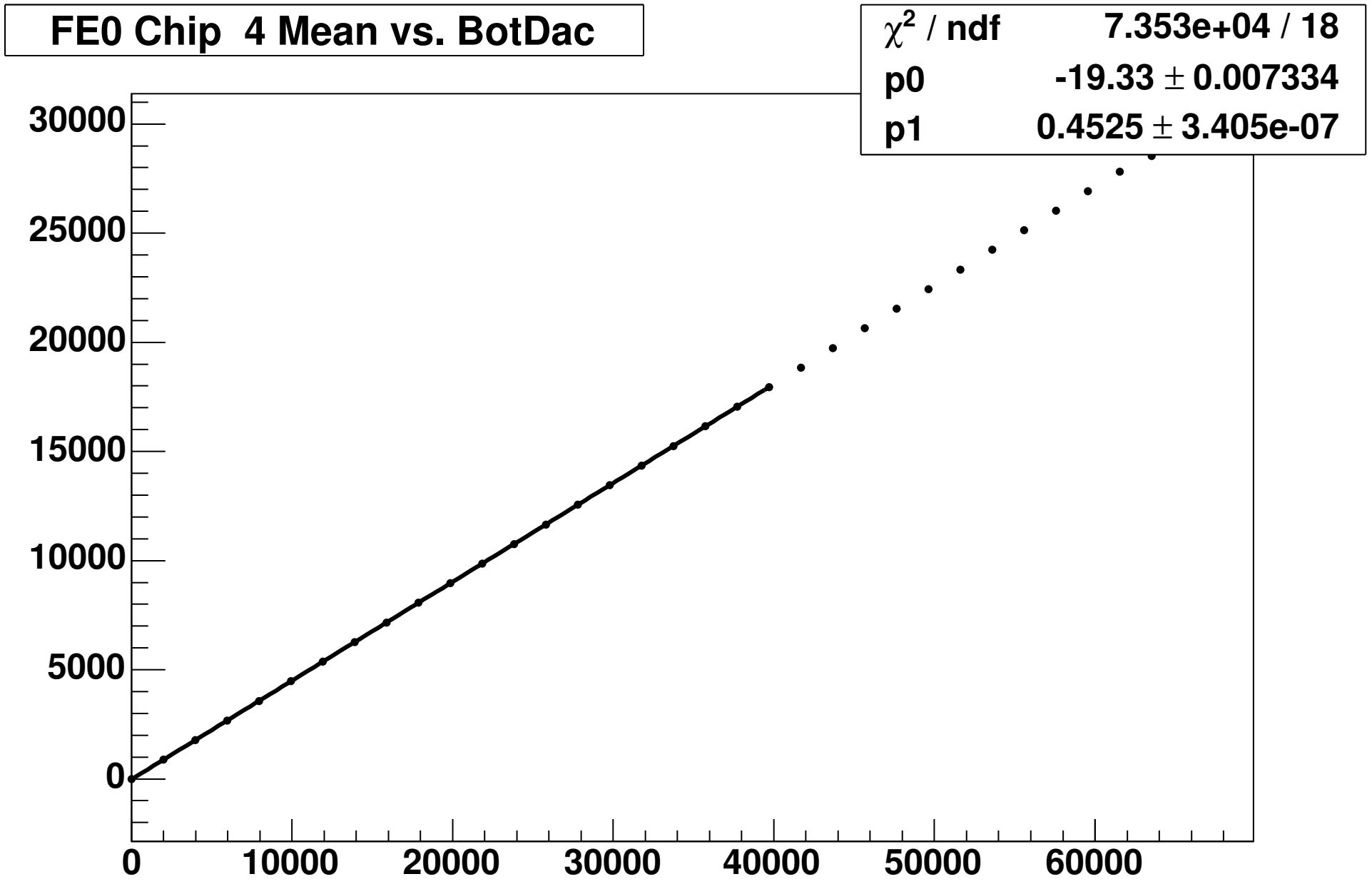

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 12.56 / 18
p0 1.5 ± 0.00386
p1 2.271e-06 ± 3.419e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

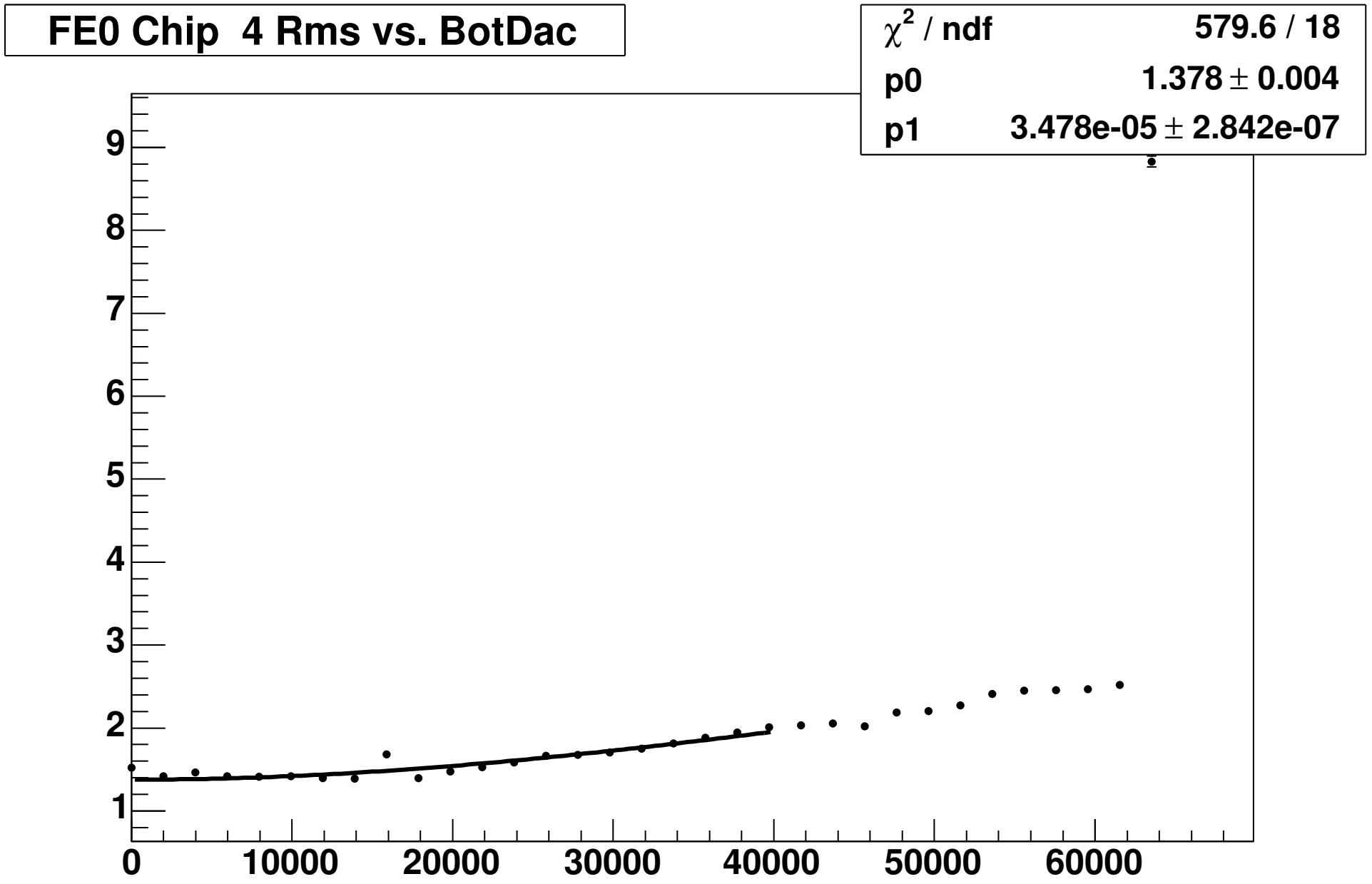

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 7.593e+04 / 18
p0 -13.09 ± 0.007339
p1 0.4521 ± 3.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

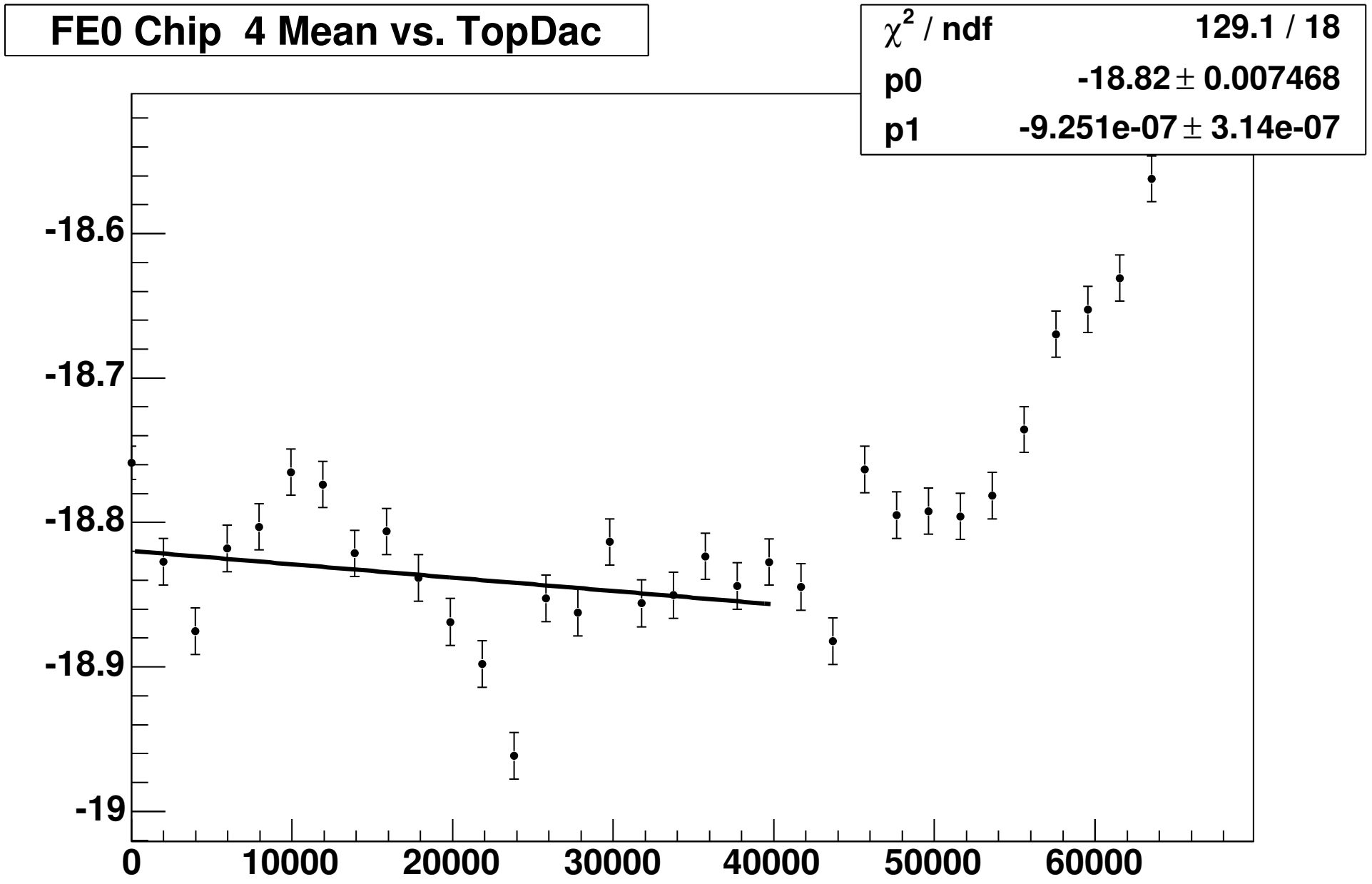

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 460.2 / 18
p0 1.382 ± 0.003981
p1 3.363e-05 ± 2.887e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

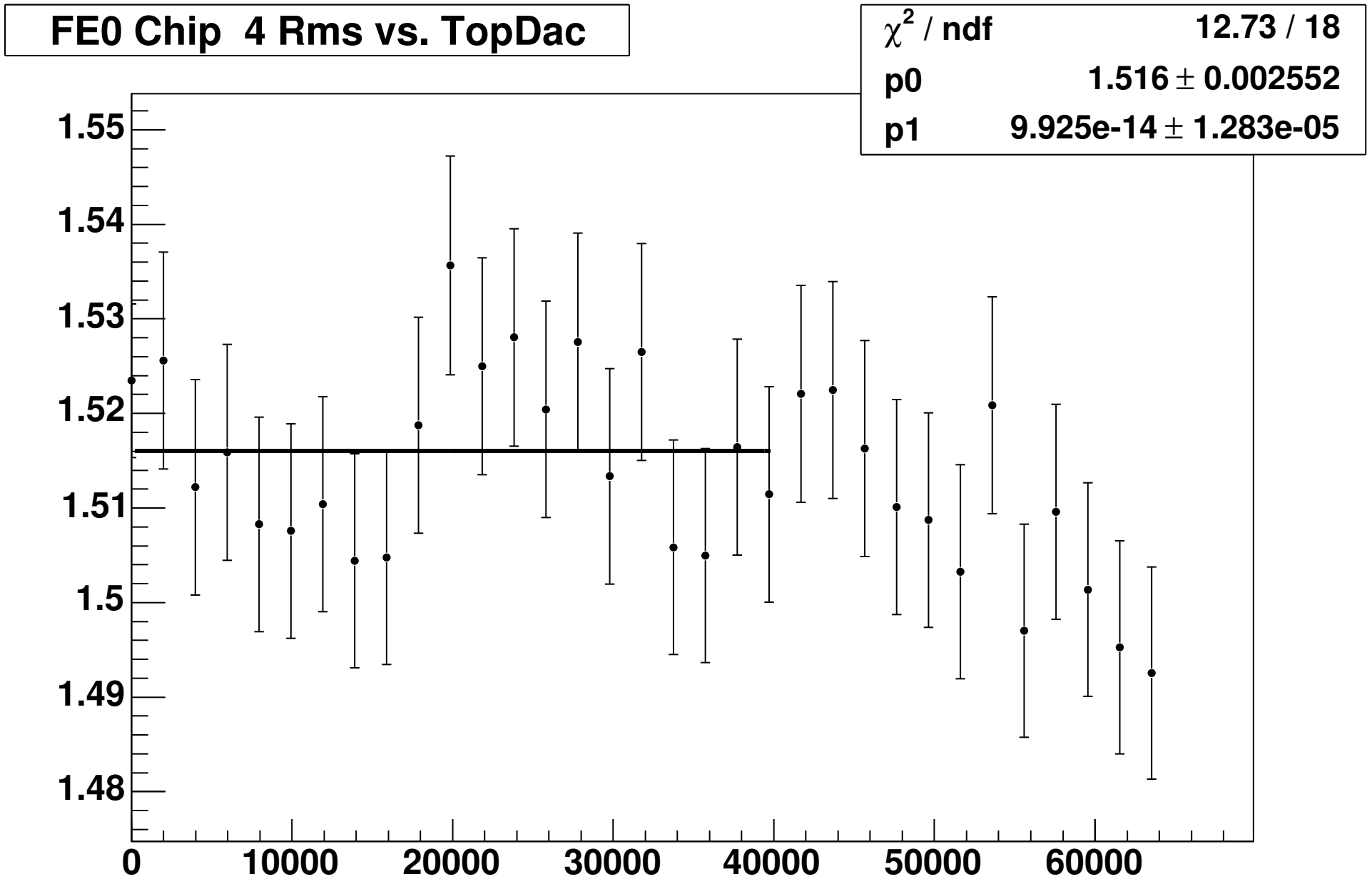

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 138.1 / 18
p0 -14.87 ± 0.007372
p1 4.406e-07 ± 3.101e-07
-14.5
-14.6
-14.7
-14.8
-14.9
-15
0
10000
20000
30000
40000
50000
60000

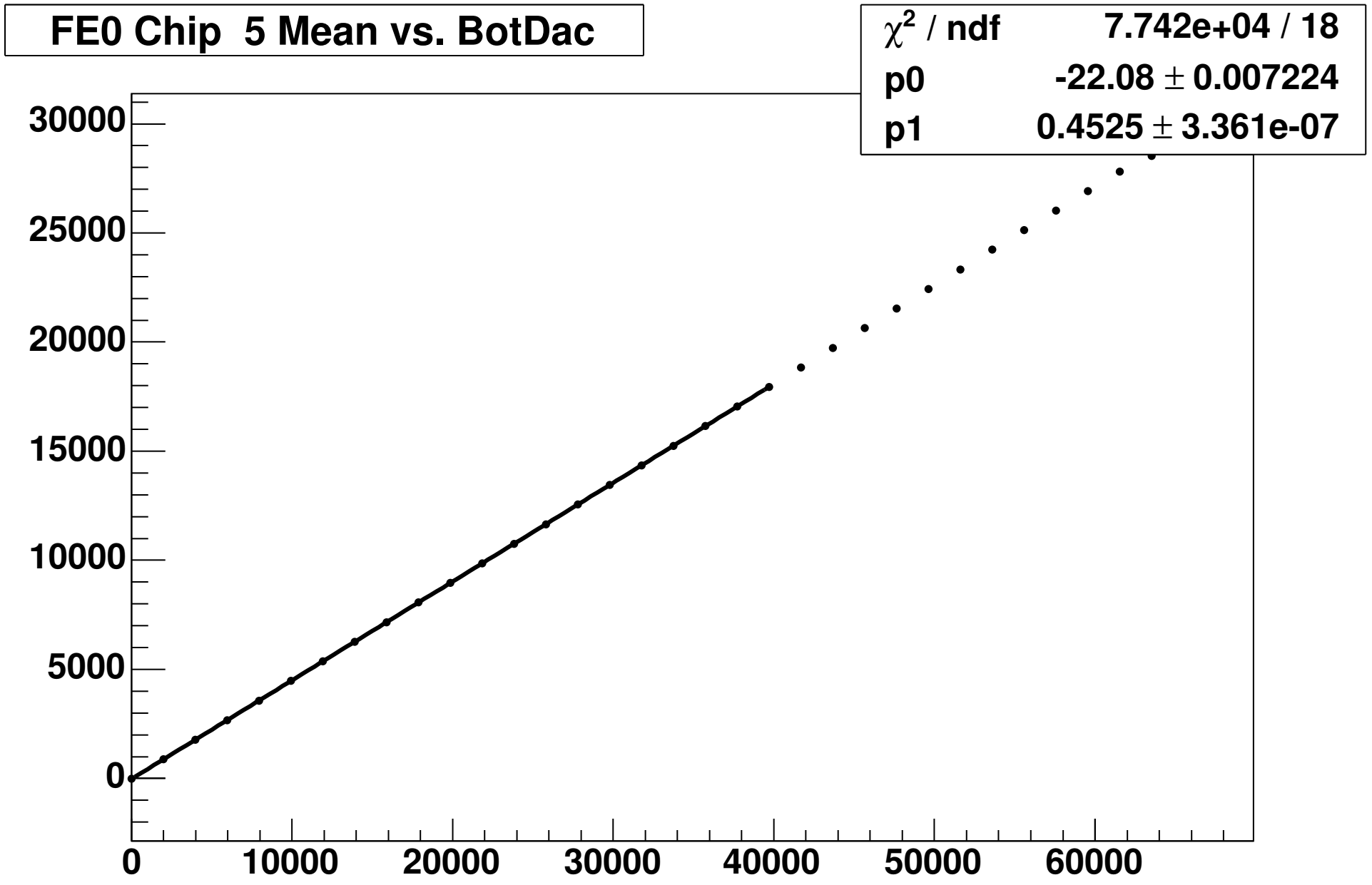

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 15.35 / 18
p0 1.497 ± 0.003842
p1 1.965e-06 ± 3.908e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

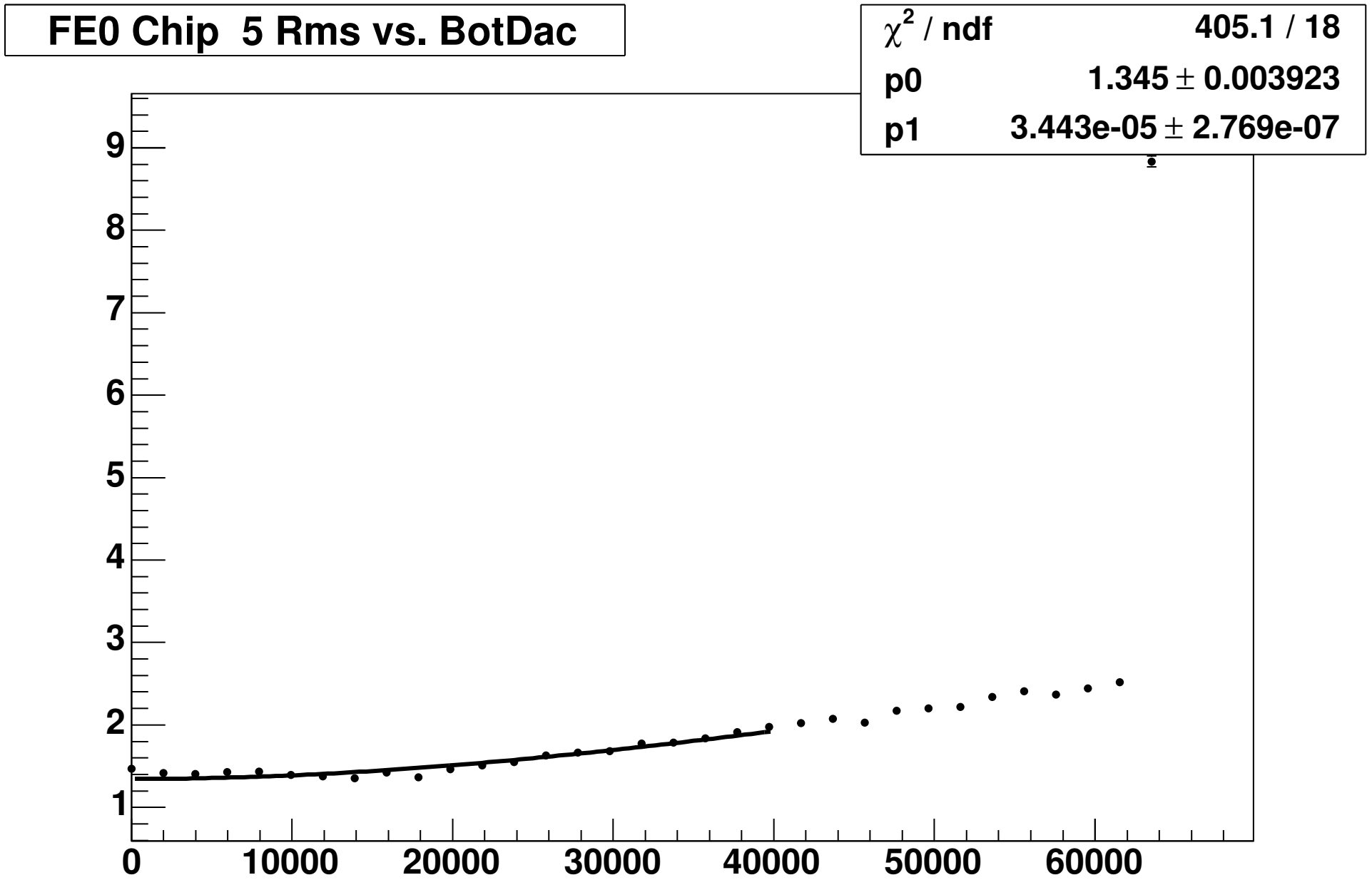

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 7.353e+04 / 18
p0 -19.33 ± 0.007334
p1 0.4525 ± 3.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

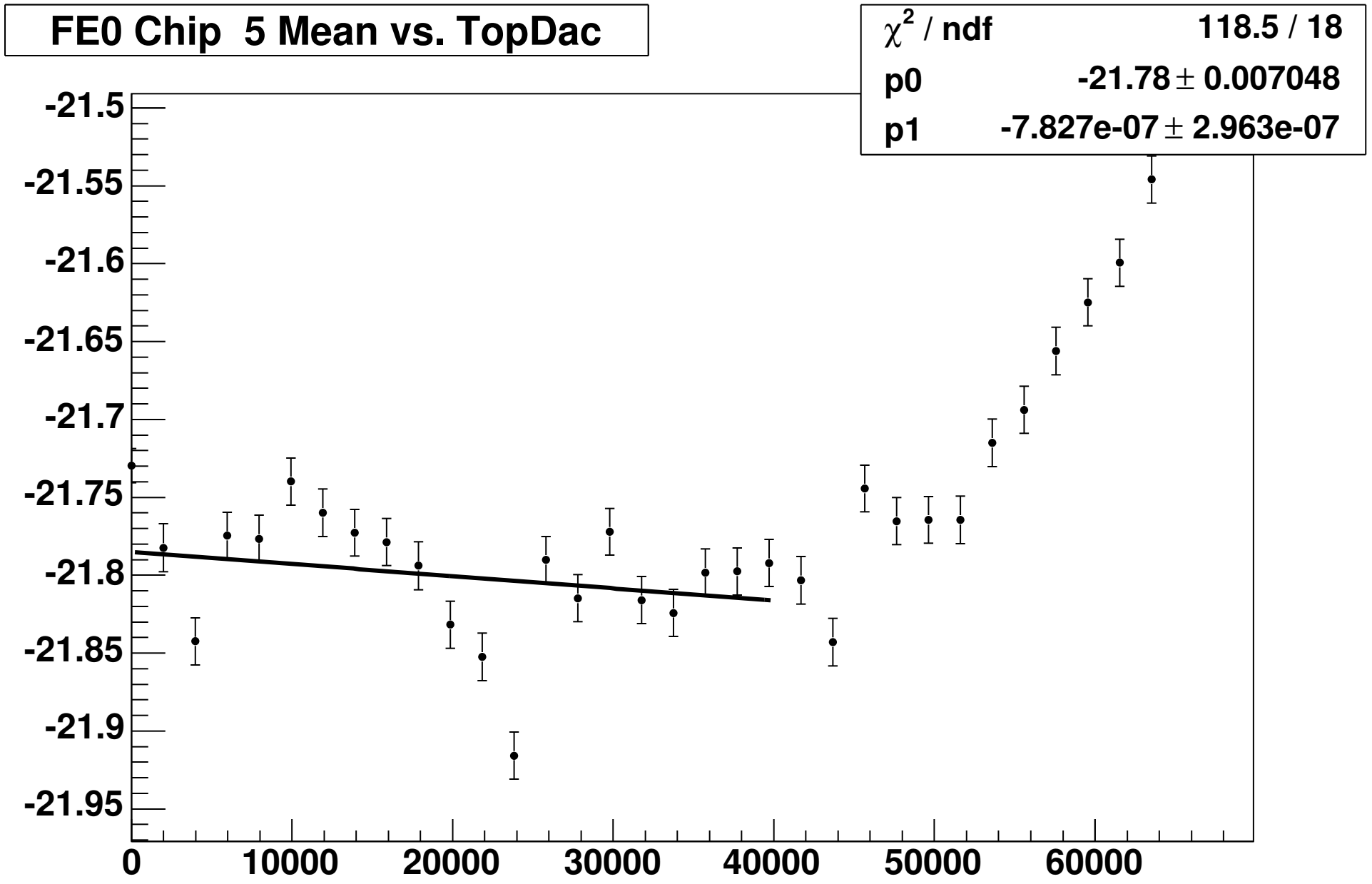

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 579.6 / 18
p0 1.378 ± 0.004
p1 3.478e-05 ± 2.842e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

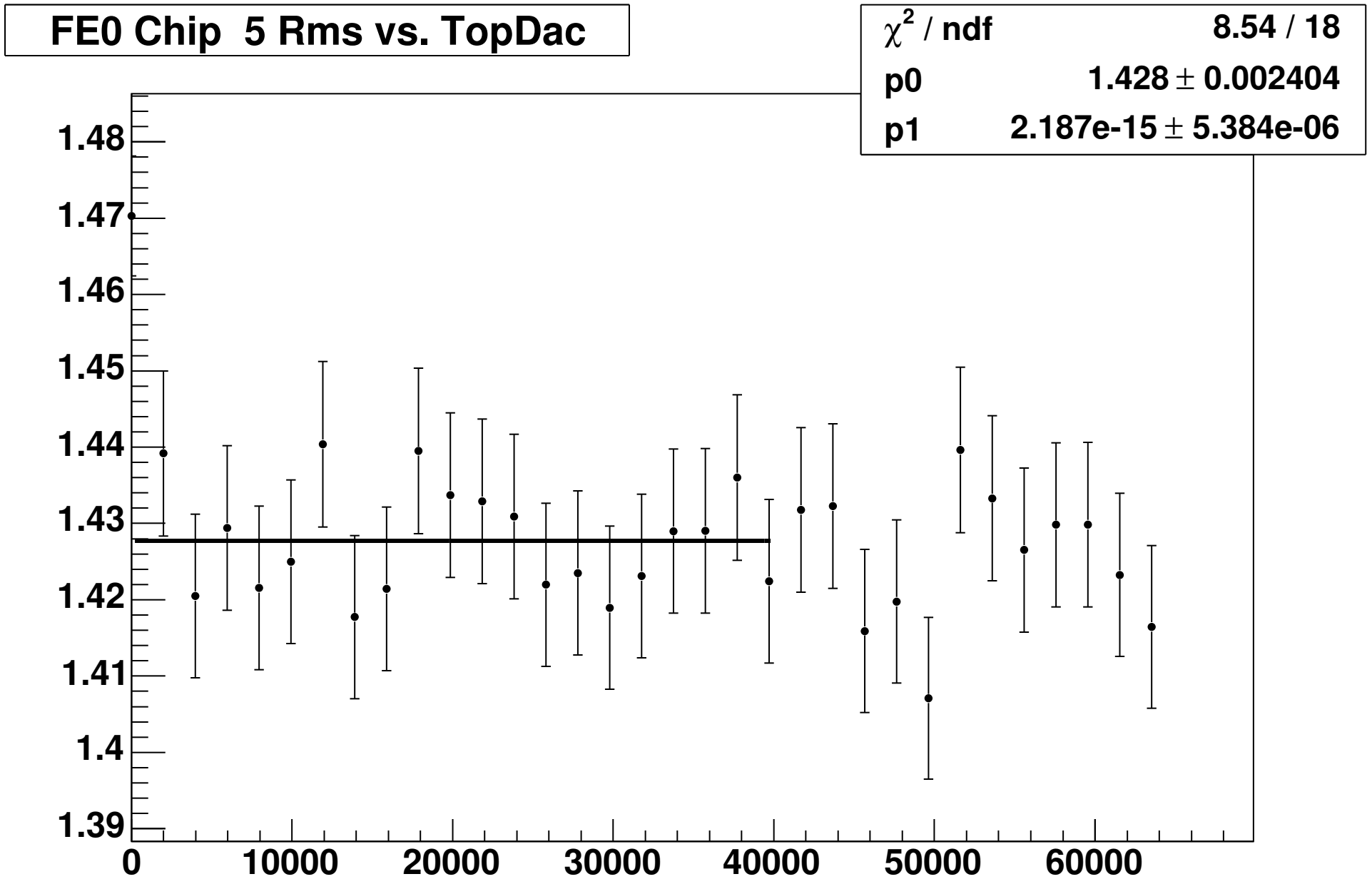

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 129.1 / 18
p0 -18.82 ± 0.007468
p1 -9.251e-07 ± 3.14e-07
-18.6
-18.7
-18.8
-18.9
-19
0
10000
20000
30000
40000
50000
60000

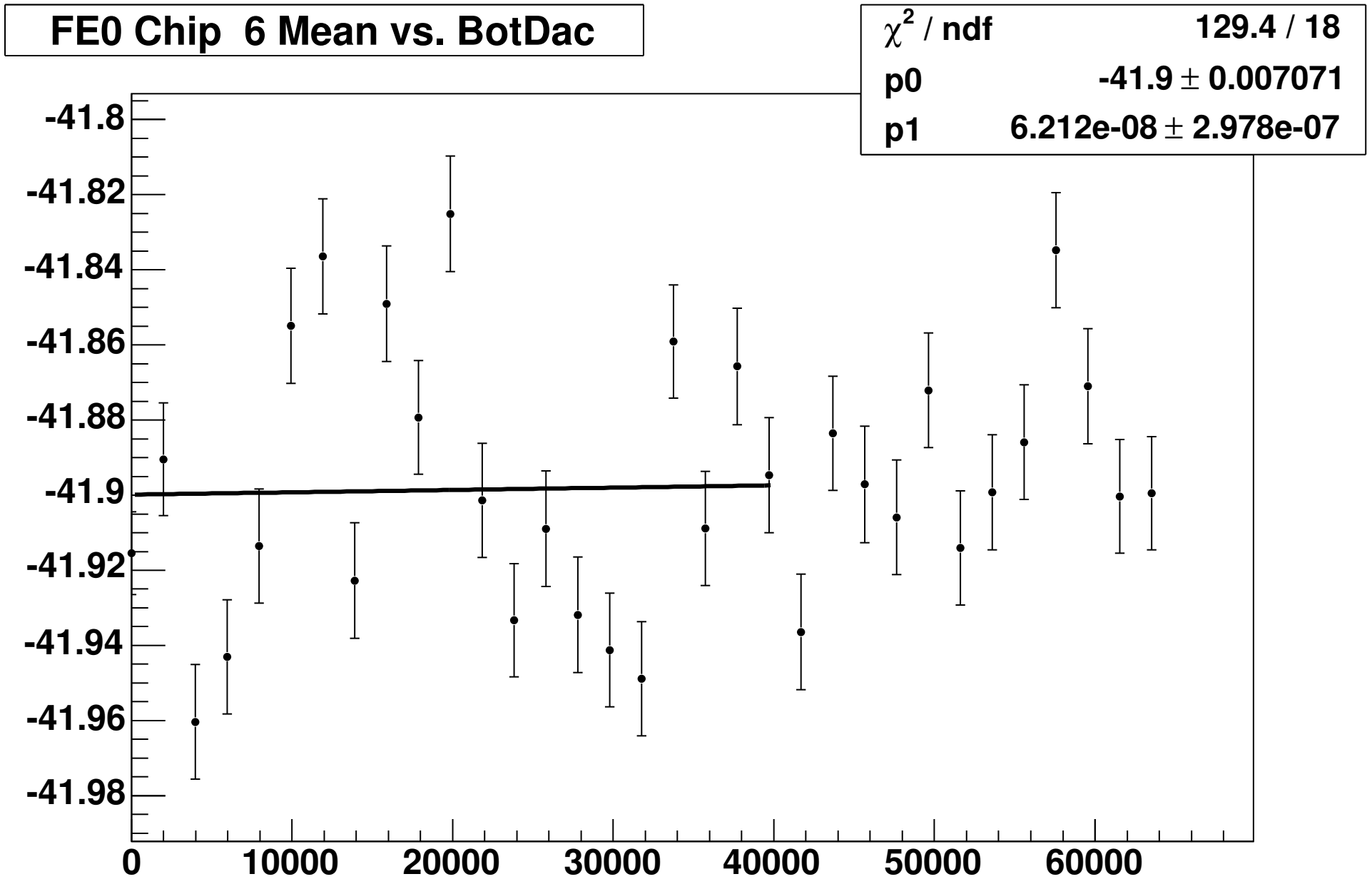

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 12.73 / 18
p0 1.516 ± 0.002552
p1 9.925e-14 ± 1.283e-05
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

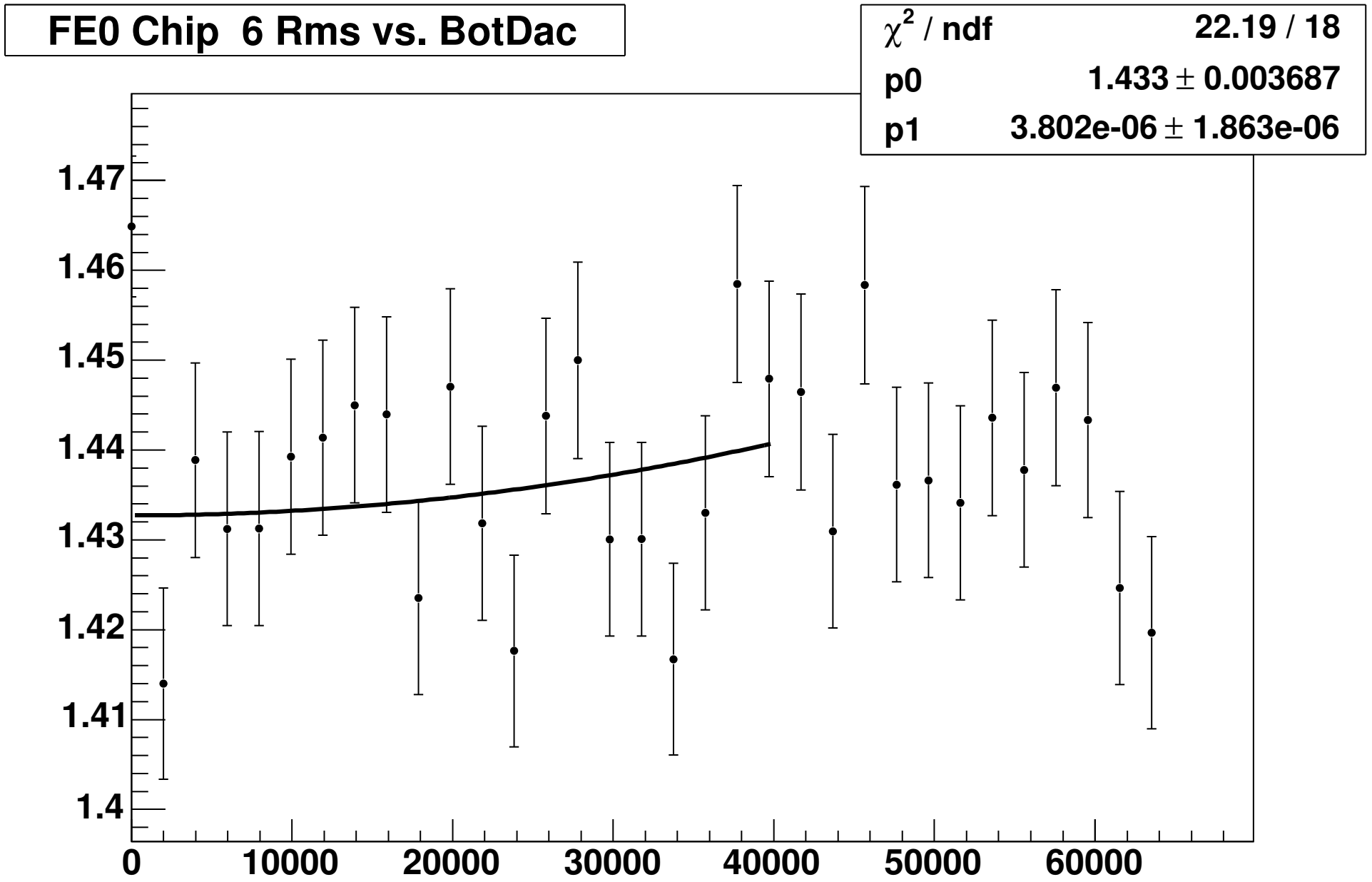

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 7.742e+04 / 18
p0 -22.08 ± 0.007224
p1 0.4525 ± 3.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

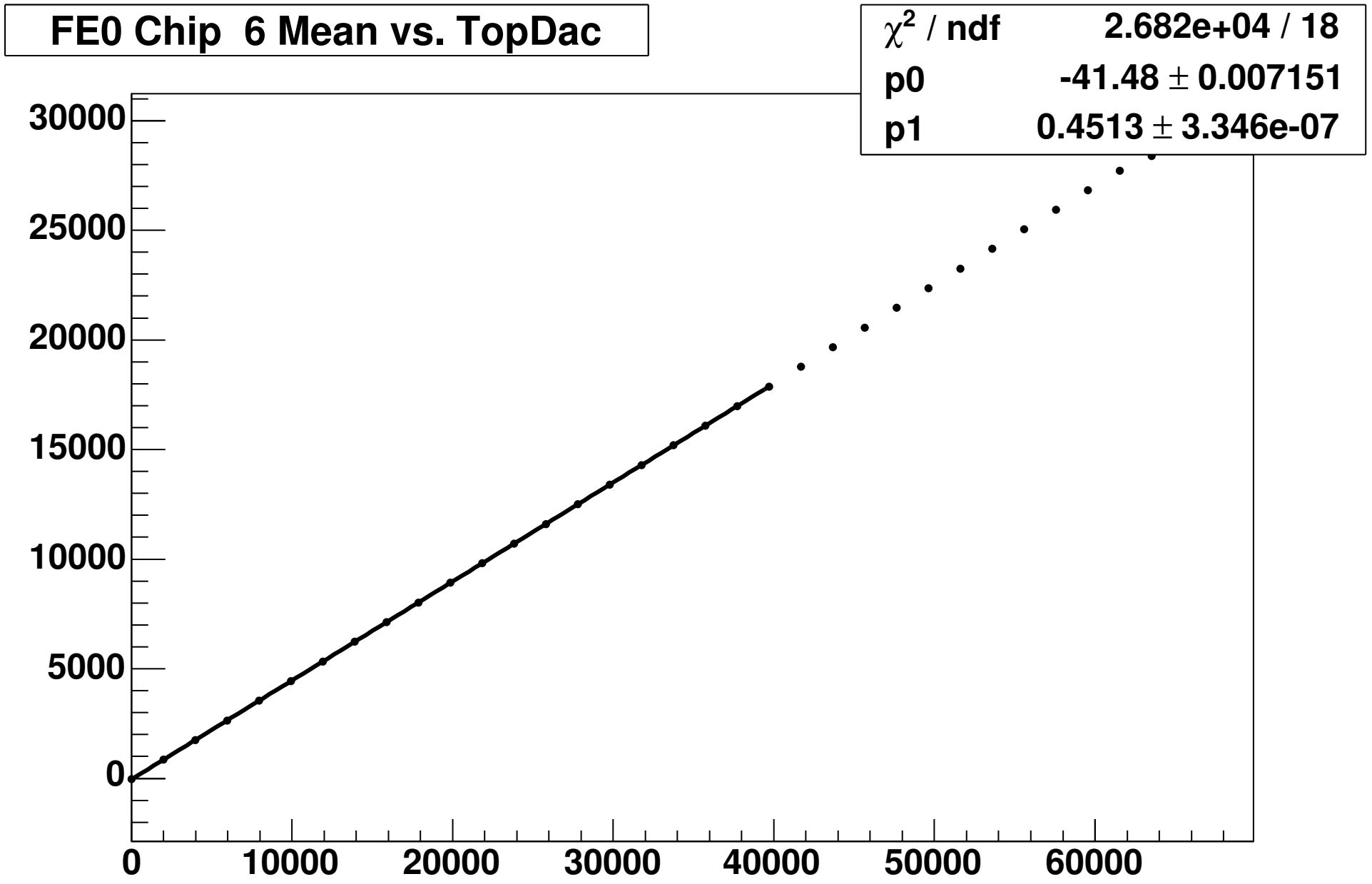

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 405.1 / 18
p0 1.345 ± 0.003923
p1 3.443e-05 ± 2.769e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

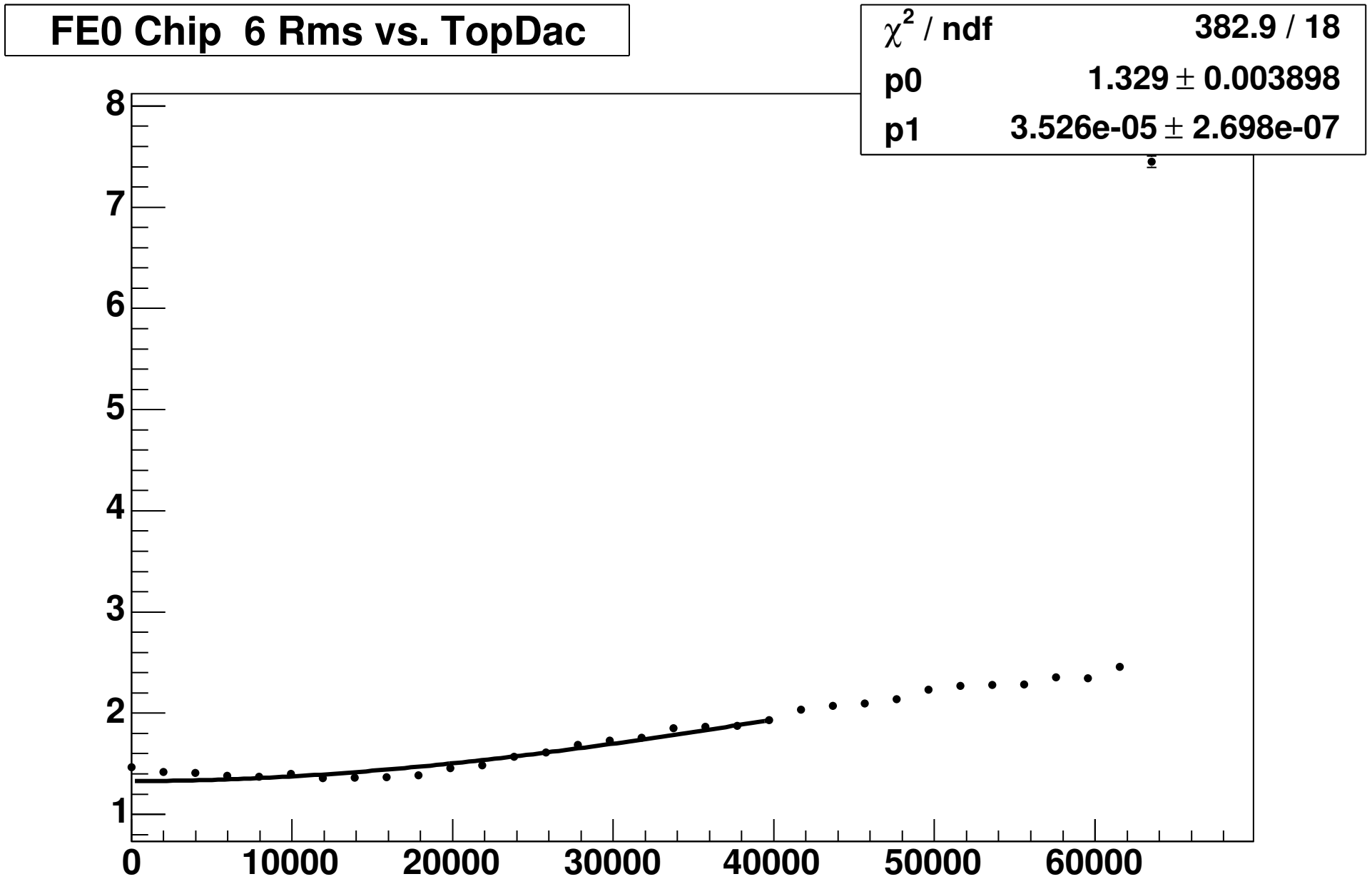

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 118.5 / 18
p0 -21.78 ± 0.007048
p1 -7.827e-07 ± 2.963e-07
-21.5
-21.55
-21.6
-21.65
-21.7
-21.75
-21.8
-21.85
-21.9
-21.95
0
10000
20000
30000
40000
50000
60000

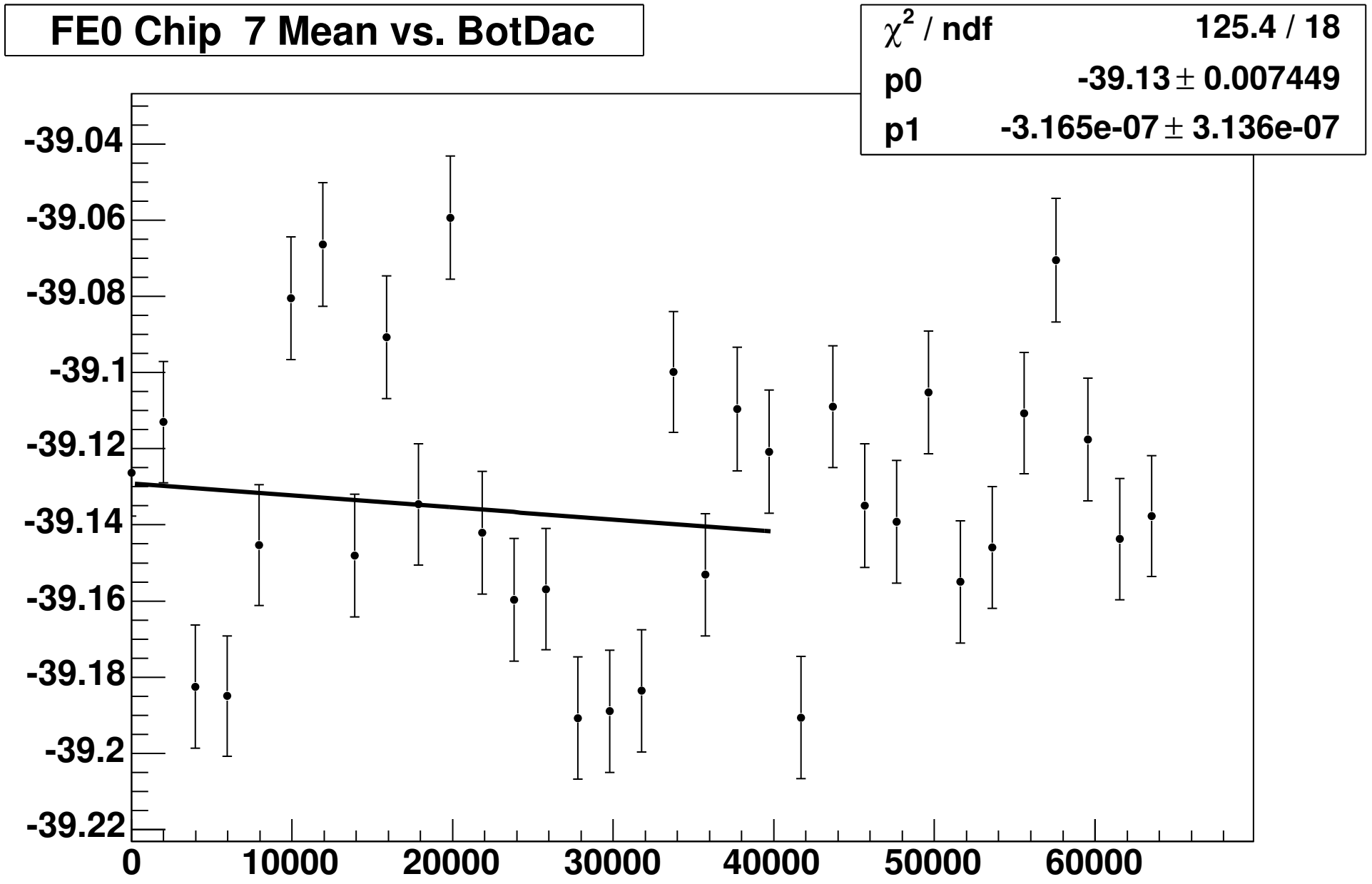

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 8.54 / 18
p0 1.428 ± 0.002404
p1 2.187e-15 ± 5.384e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000

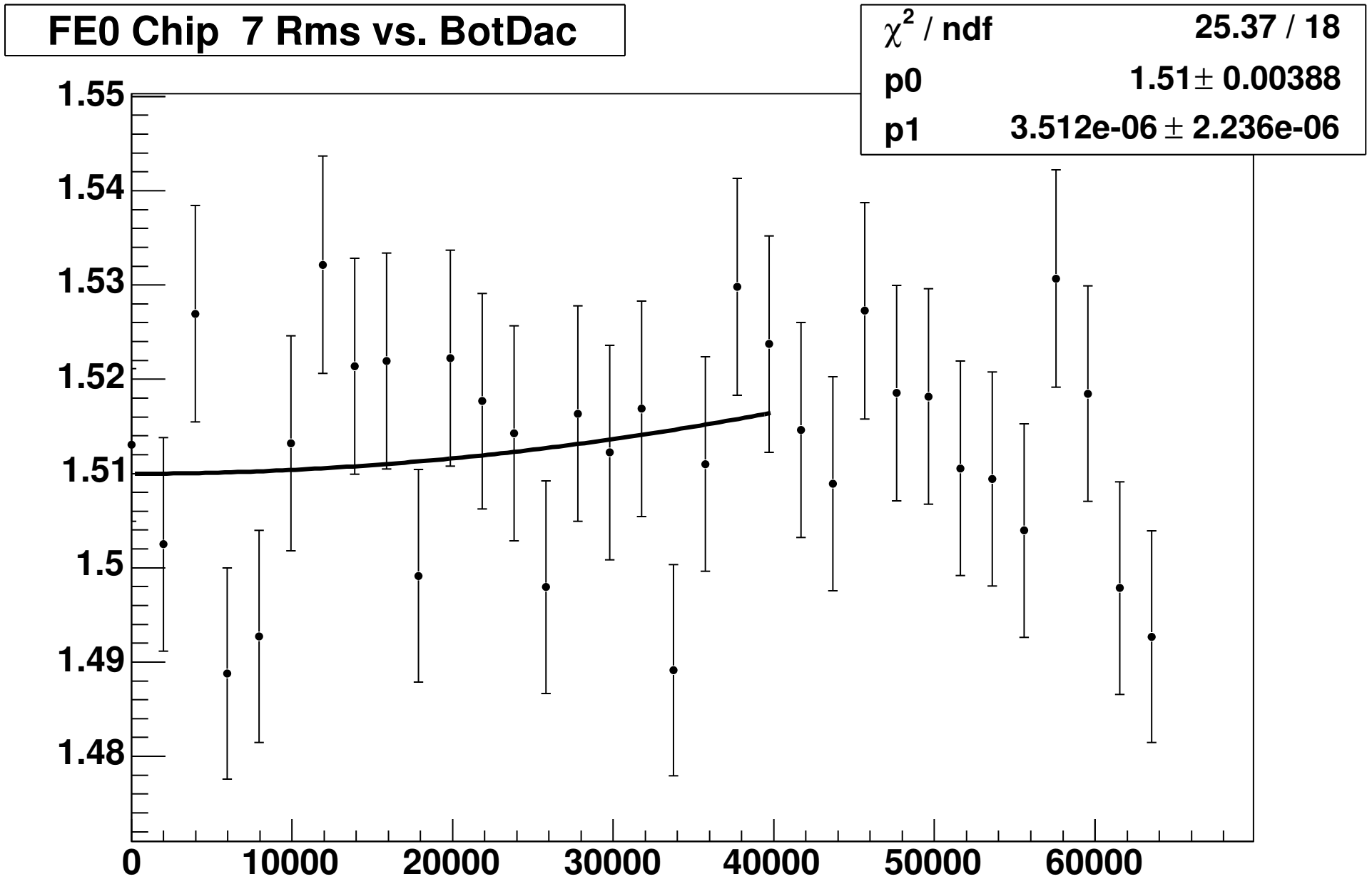

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 129.4 / 18
p0 -41.9 ± 0.007071
p1 6.212e-08 ± 2.978e-07
-41.8
-41.82
-41.84
-41.86
-41.88
-41.9
-41.92
-41.94
-41.96
-41.98
0
10000
20000
30000
40000
50000
60000

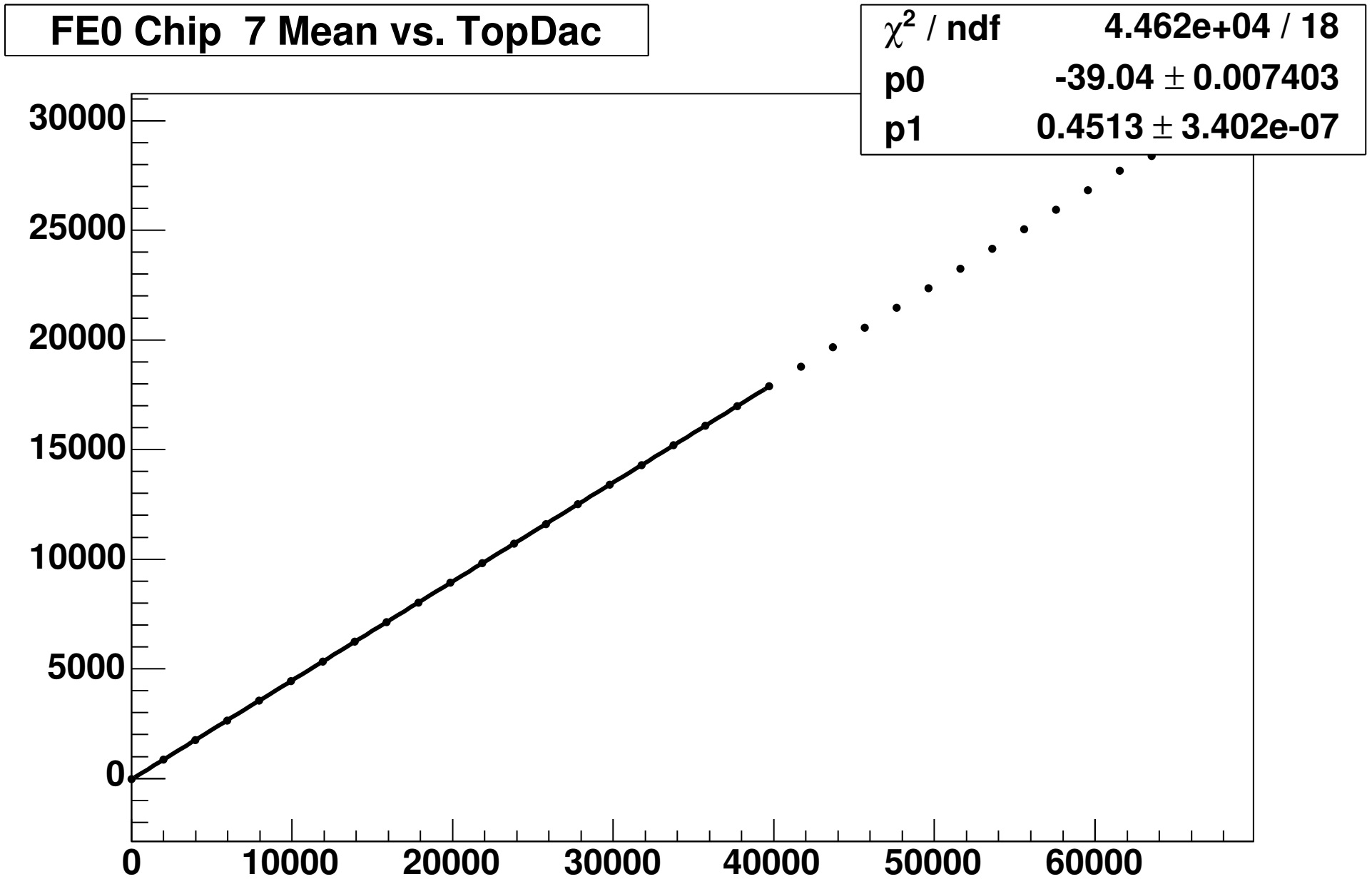

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 22.19 / 18
p0 1.433 ± 0.003687
p1 3.802e-06 ± 1.863e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

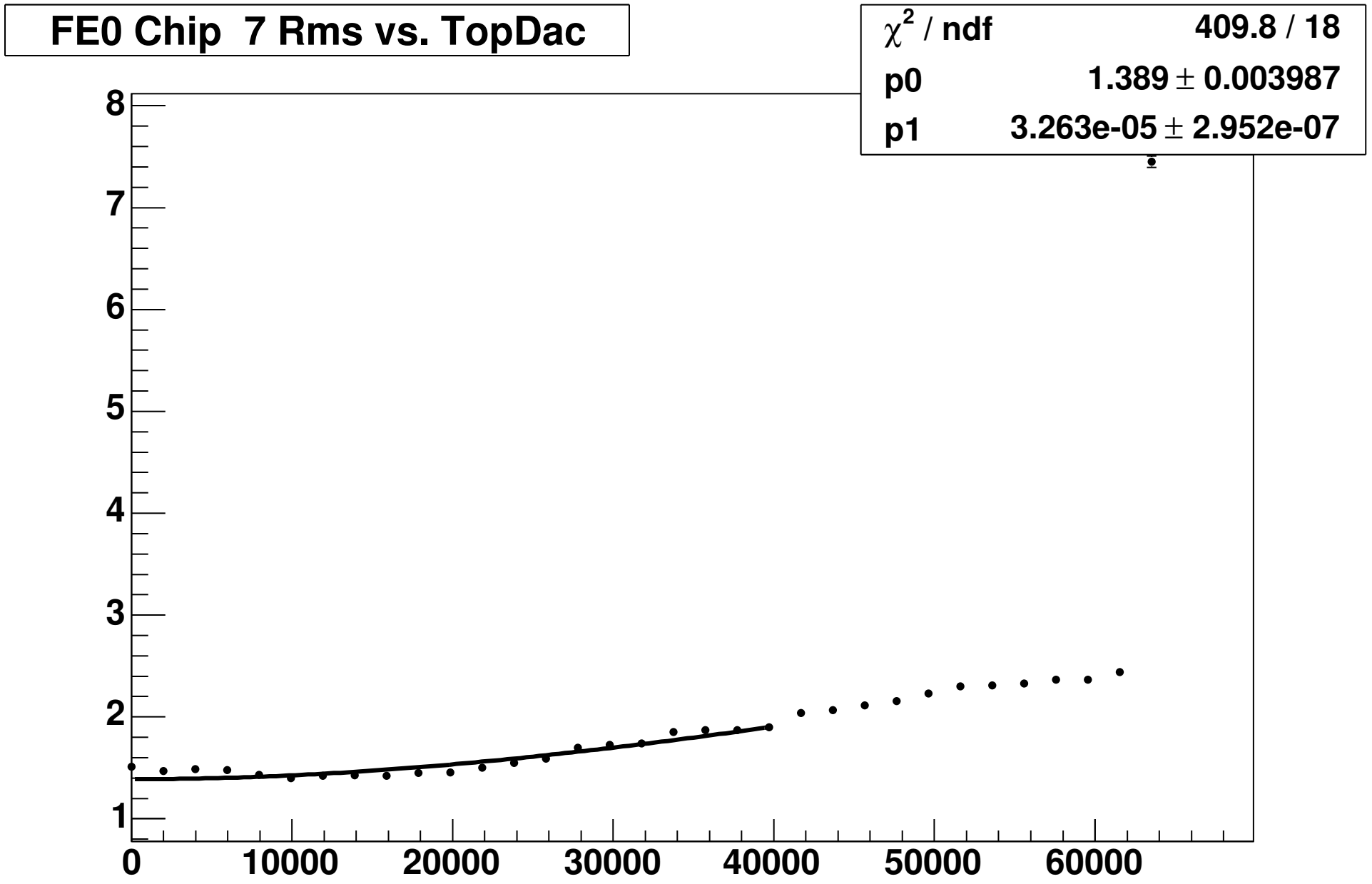

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 2.682e+04 / 18
p0 -41.48 ± 0.007151
p1 0.4513 ± 3.346e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

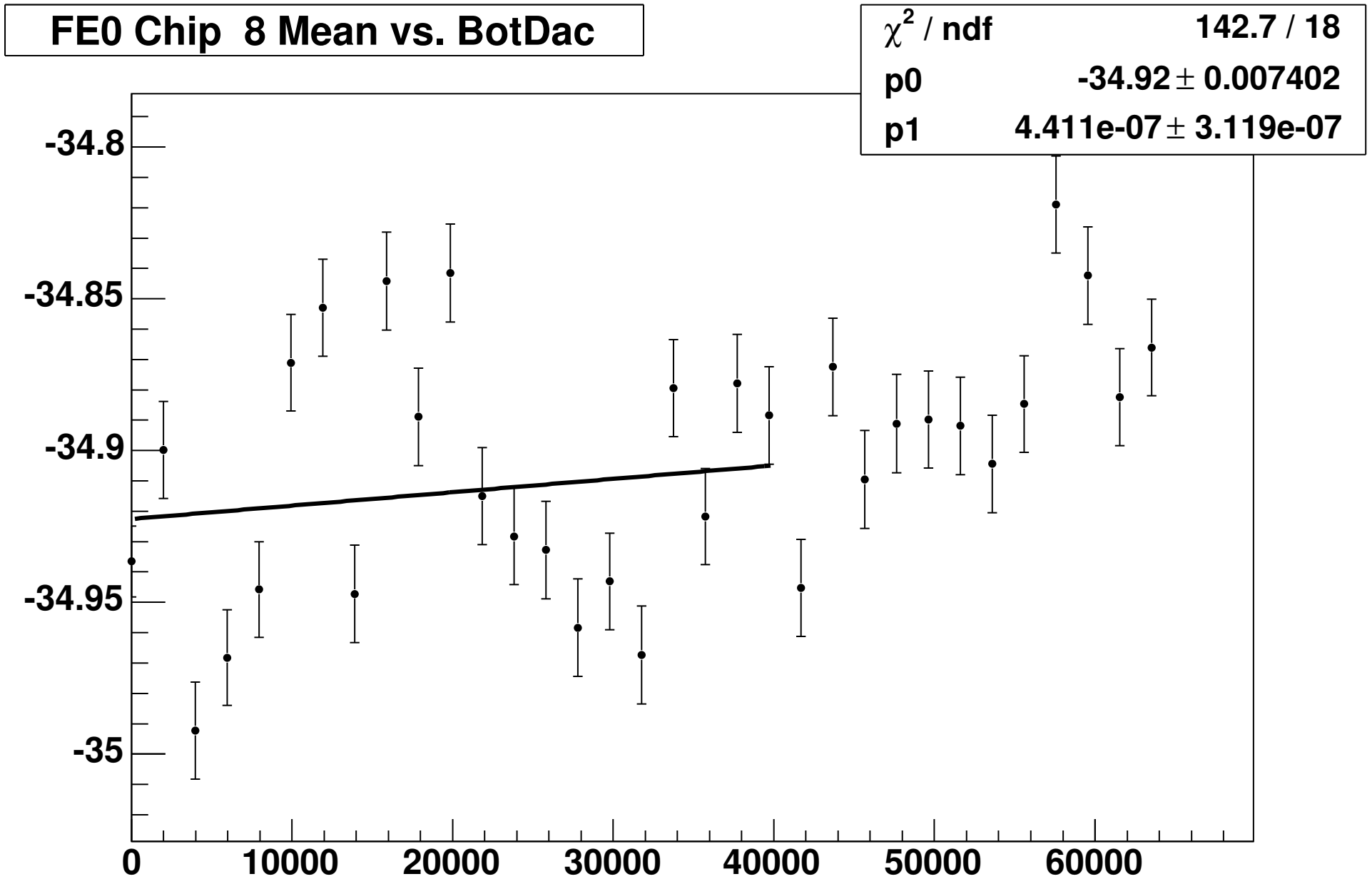

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 382.9 / 18
p0 1.329 ± 0.003898
p1 3.526e-05 ± 2.698e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

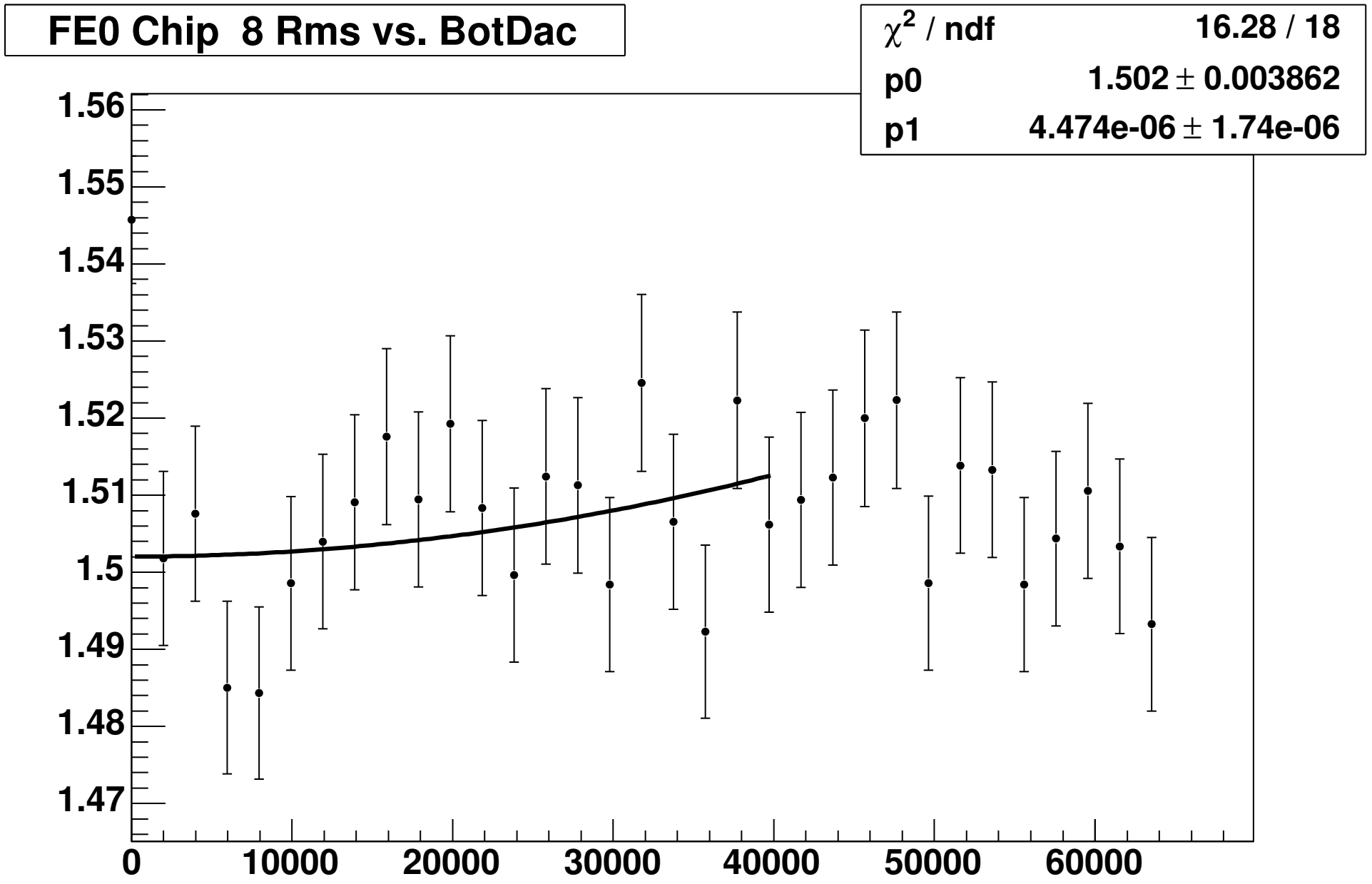

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 125.4 / 18
p0 -39.13 ± 0.007449
p1 -3.165e-07 ± 3.136e-07
-39.04
-39.06
-39.08
-39.1
-39.12
-39.14
-39.16
-39.18
-39.2
-39.22
0
10000
20000
30000
40000
50000
60000

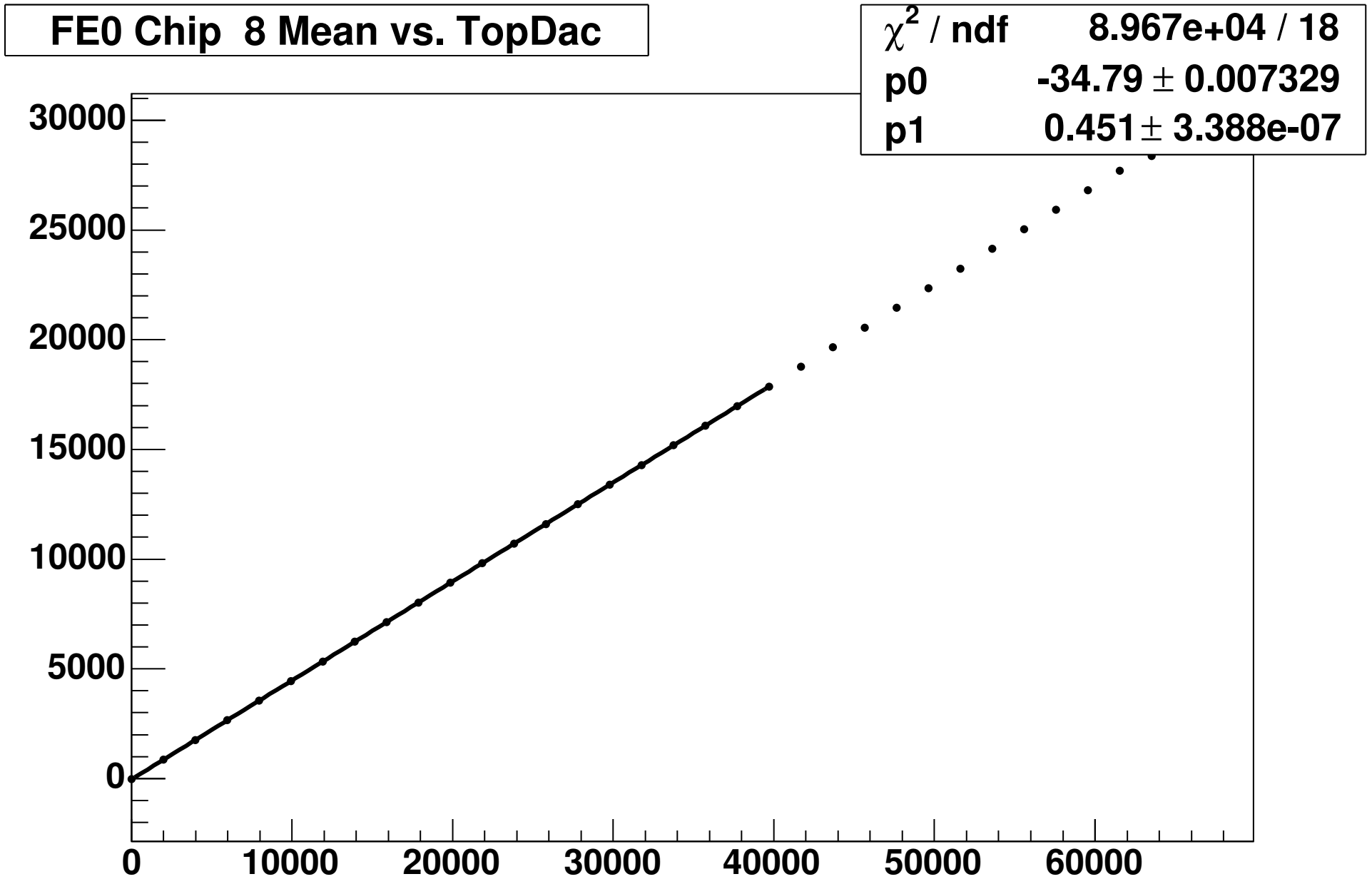

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 25.37 / 18
p0 1.51 ± 0.00388
p1 3.512e-06 ± 2.236e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

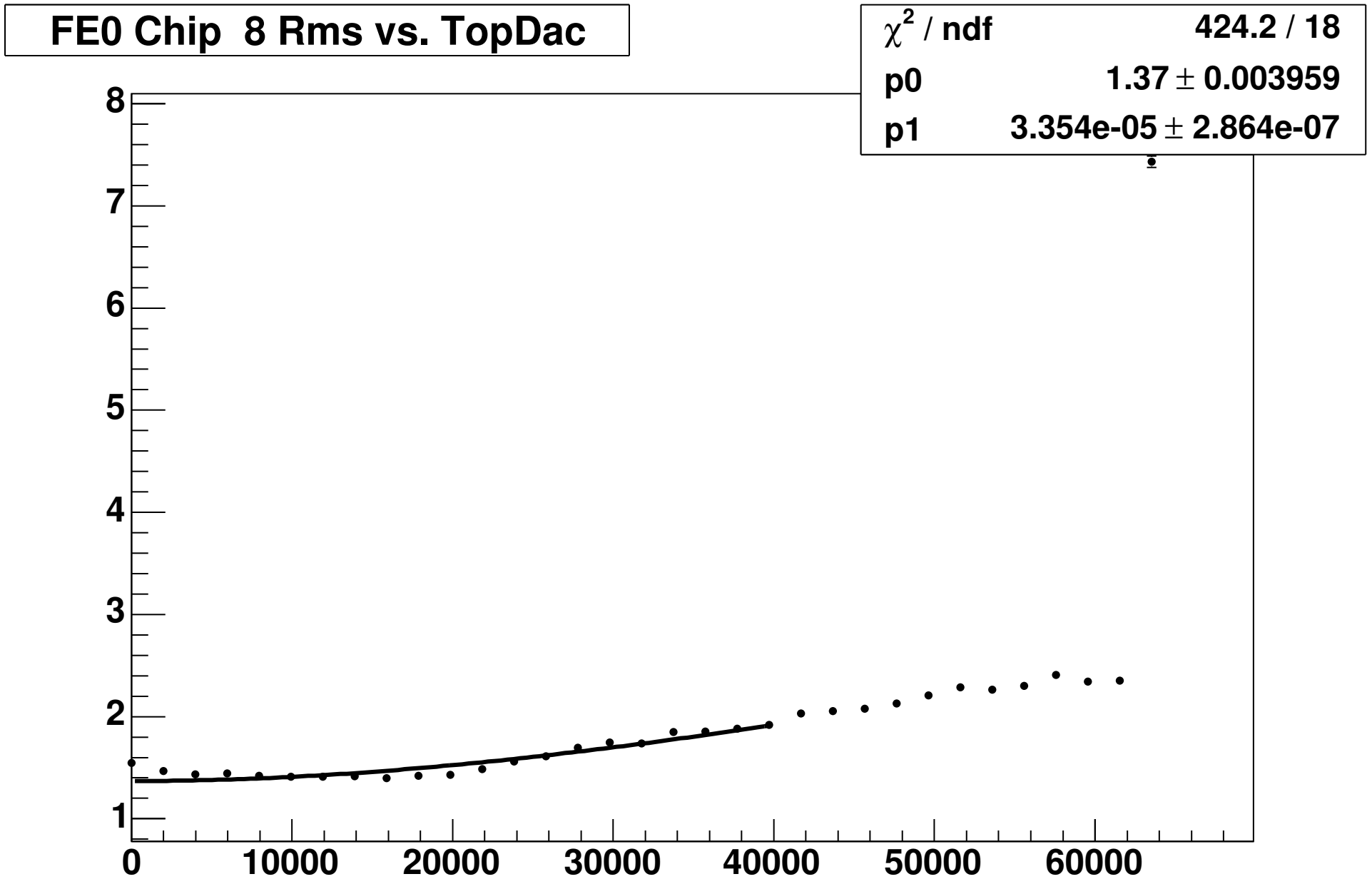

FE0 Chip 7 Mean vs. TopDac
χ² / ndf 4.462e+04 / 18
p0 -39.04 ± 0.007403
p1 0.4513 ± 3.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

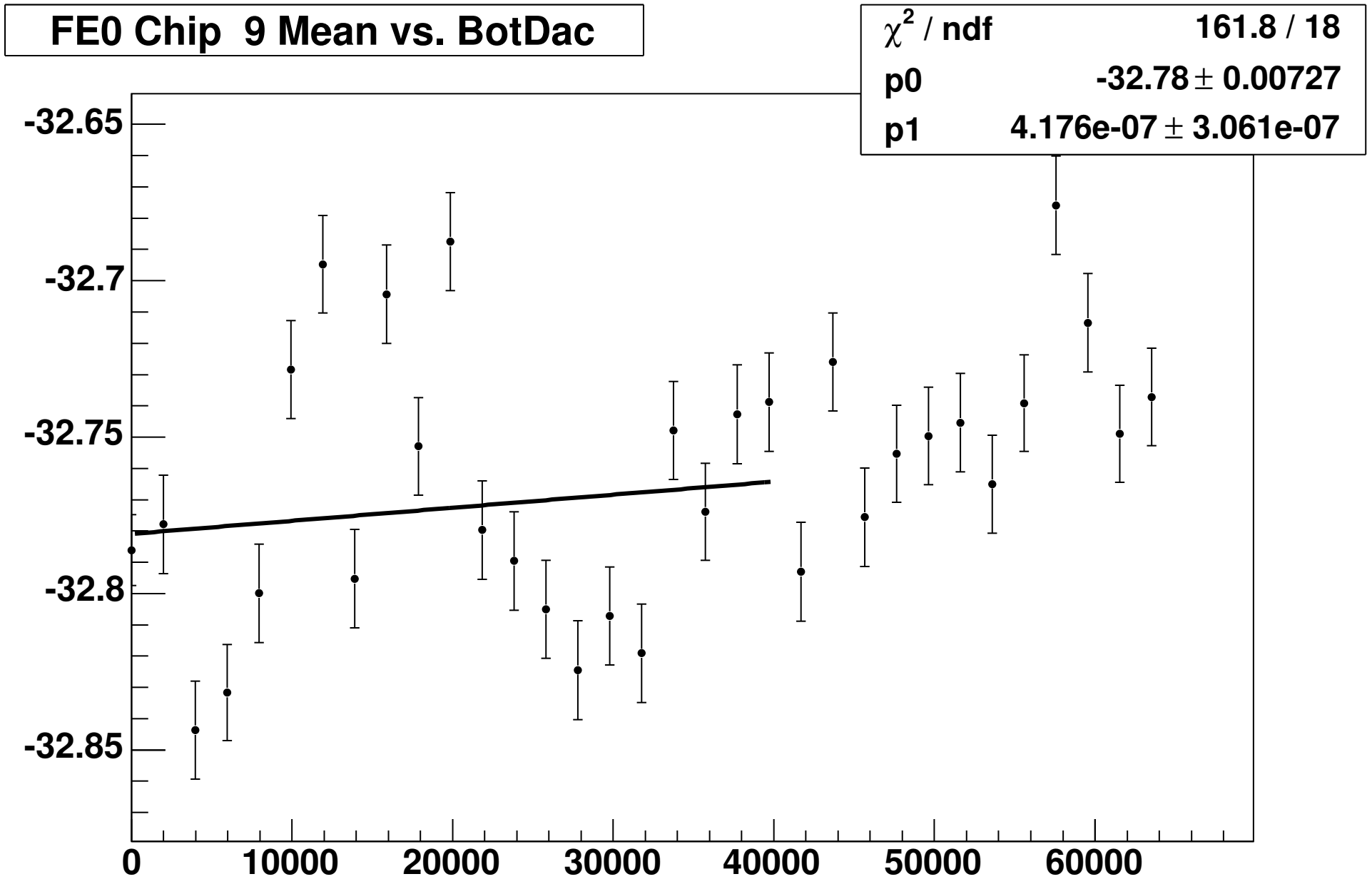

FE0 Chip 7 Rms vs. TopDac
χ² / ndf 409.8 / 18
p0 1.389 ± 0.003987
p1 3.263e-05 ± 2.952e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

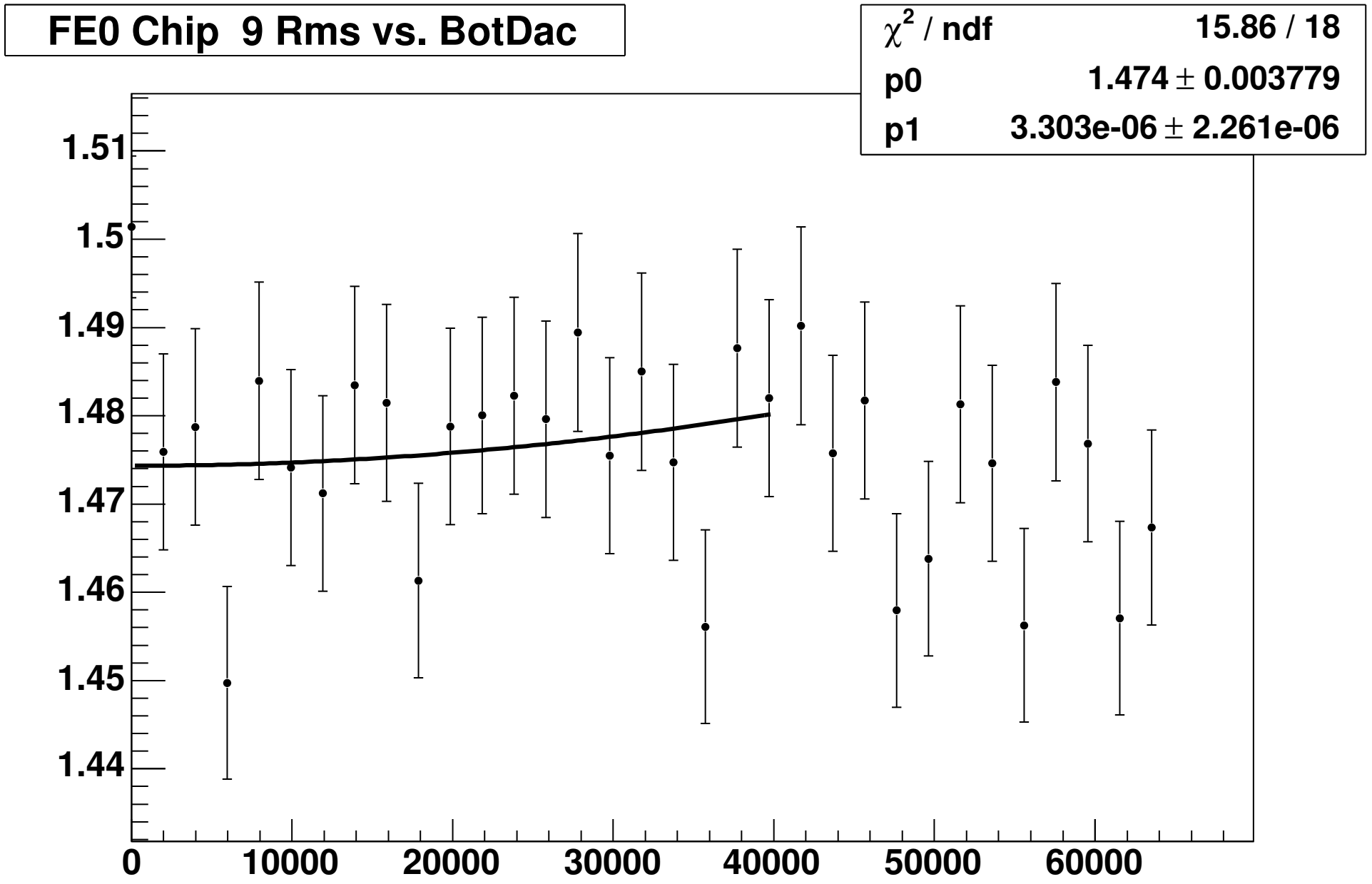

FE0 Chip 8 Mean vs. BotDac
χ² / ndf 142.7 / 18
p0 -34.92 ± 0.007402
p1 4.411e-07 ± 3.119e-07
-34.8
-34.85
-34.9
-34.95
-35
0
10000
20000
30000
40000
50000
60000

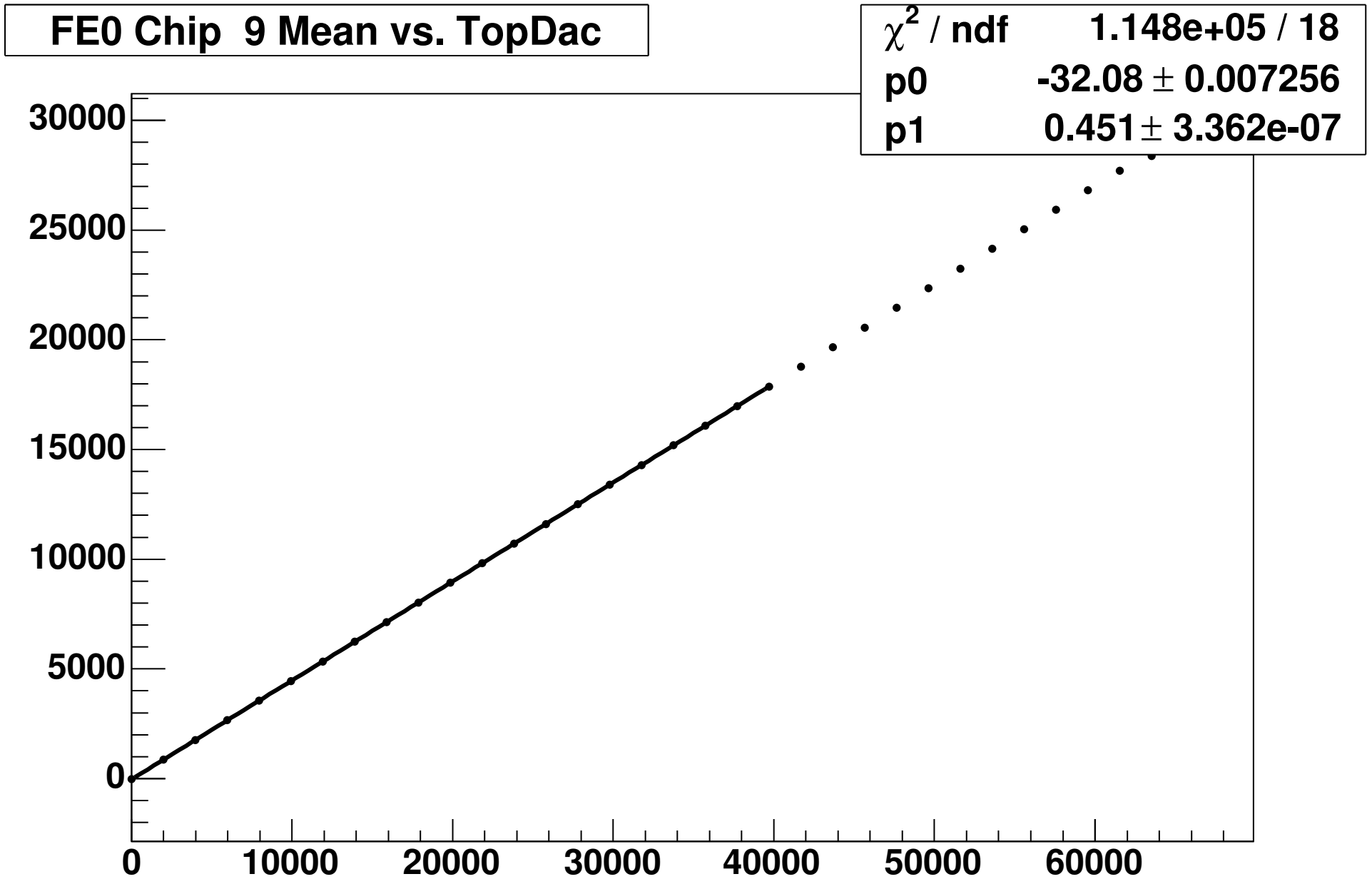

FE0 Chip 8 Rms vs. BotDac
χ² / ndf 16.28 / 18
p0 1.502 ± 0.003862
p1 4.474e-06 ± 1.74e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

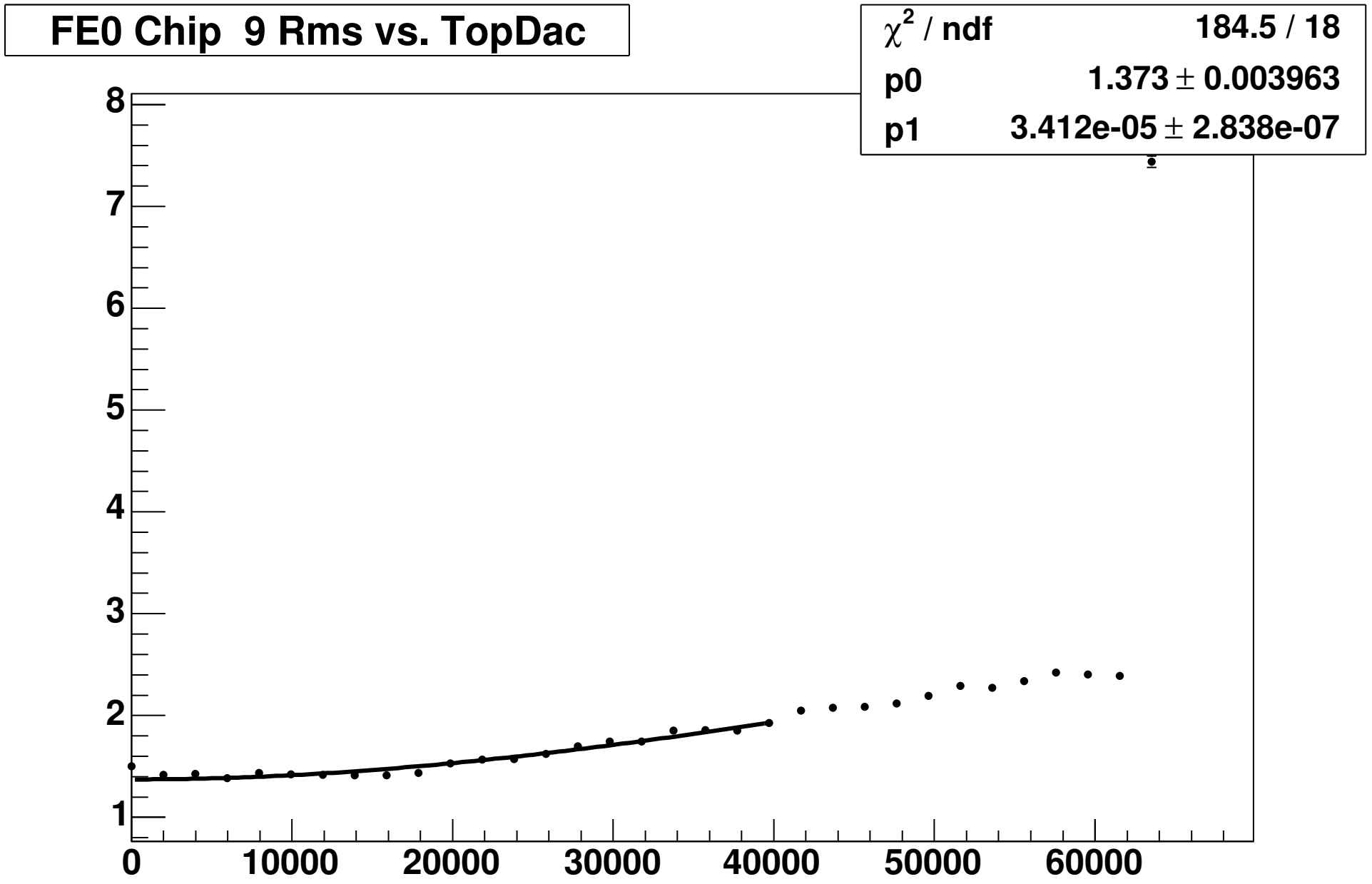

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 8.967e+04 / 18
p0 -34.79 ± 0.007329
p1 0.451 ± 3.388e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

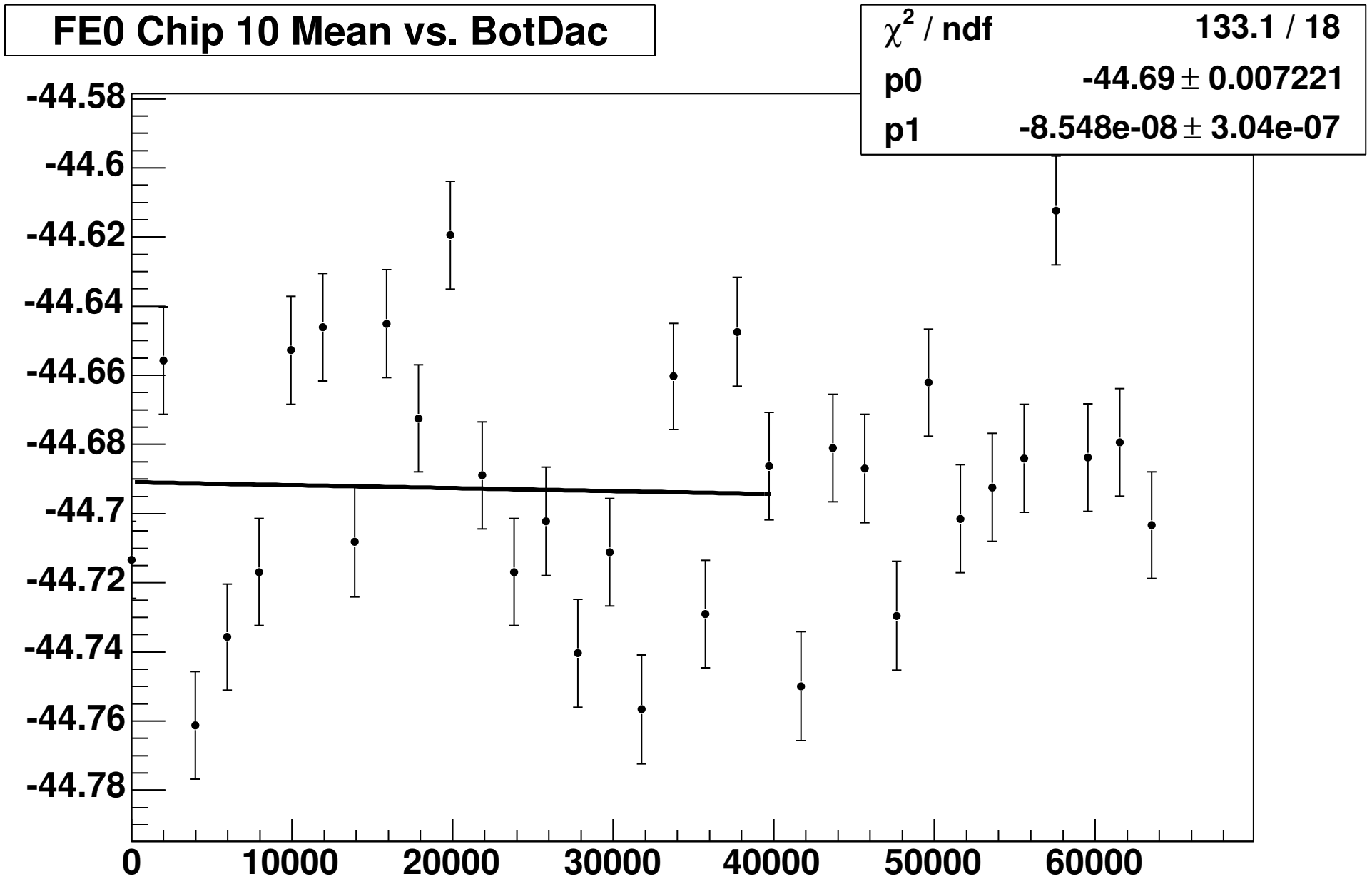

FE0 Chip 8 Rms vs. TopDac
χ² / ndf 424.2 / 18
p0 1.37 ± 0.003959
p1 3.354e-05 ± 2.864e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

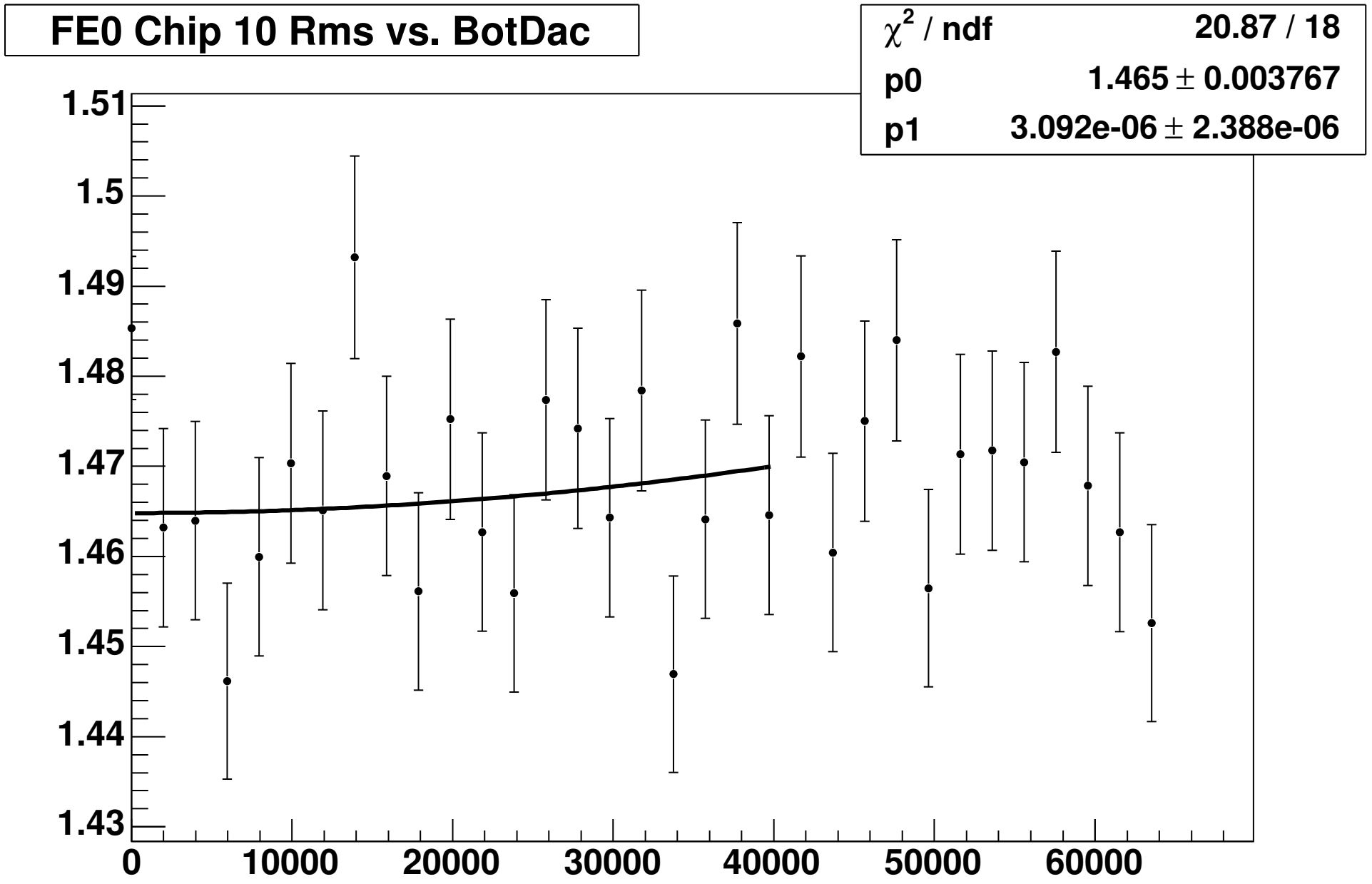

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 161.8 / 18
p0 -32.78 ± 0.00727
p1 4.176e-07 ± 3.061e-07
-32.65
-32.7
-32.75
-32.8
-32.85
0
10000
20000
30000
40000
50000
60000

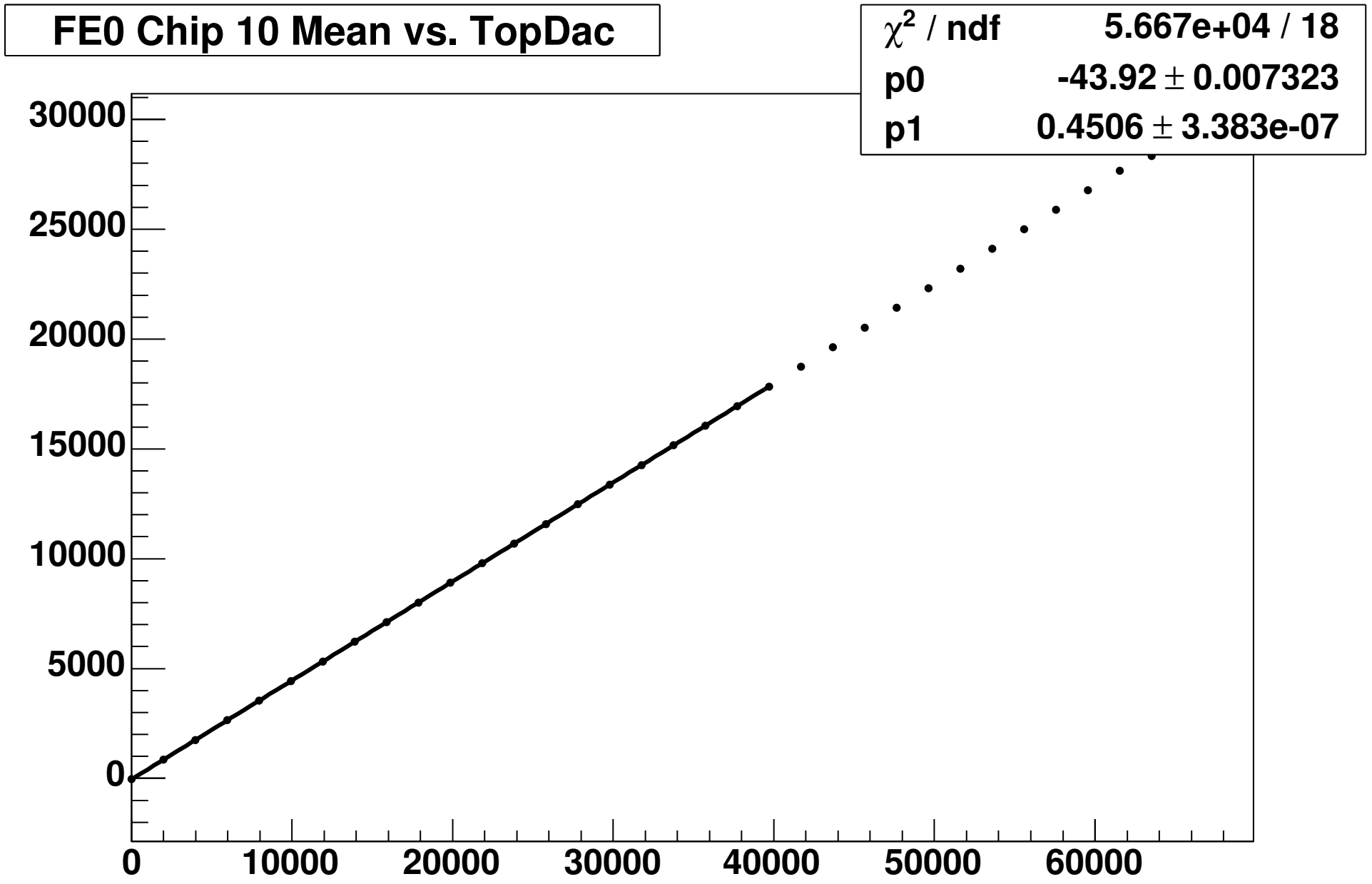

FE0 Chip 9 Rms vs. BotDac
χ² / ndf 15.86 / 18
p0 1.474 ± 0.003779
p1 3.303e-06 ± 2.261e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

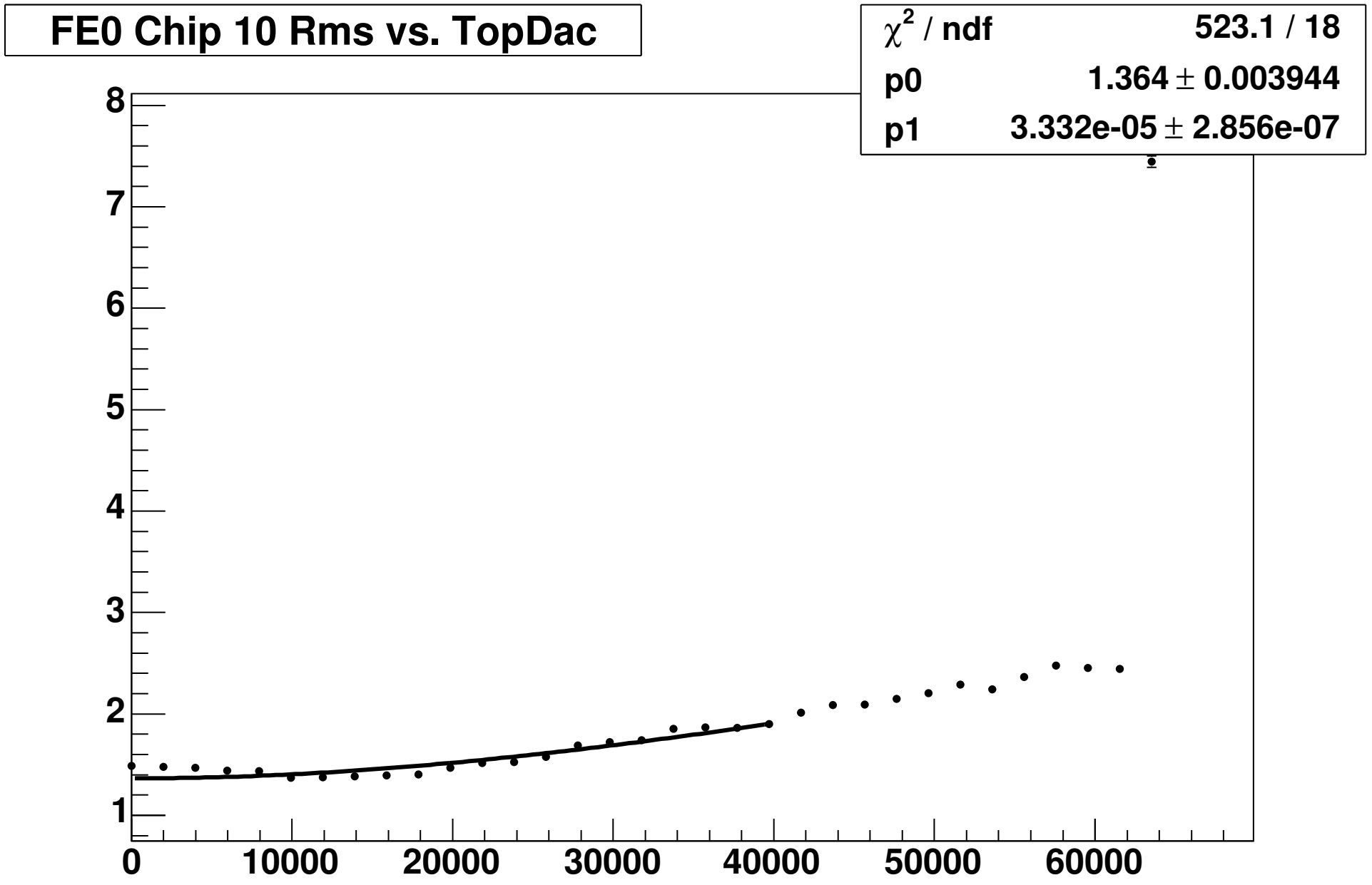

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.148e+05 / 18
p0 -32.08 ± 0.007256
p1 0.451 ± 3.362e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

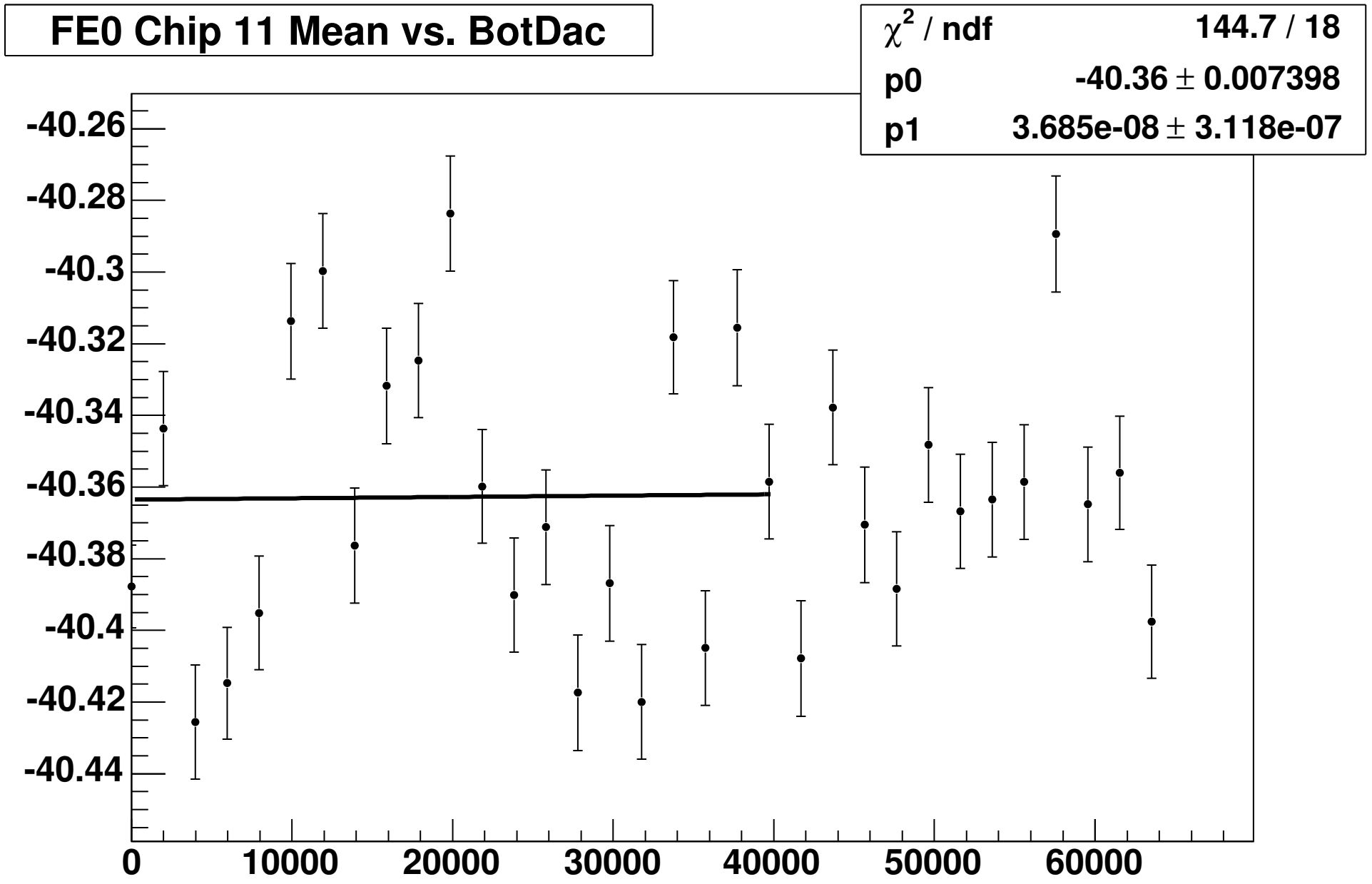

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 184.5 / 18
p0 1.373 ± 0.003963
p1 3.412e-05 ± 2.838e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

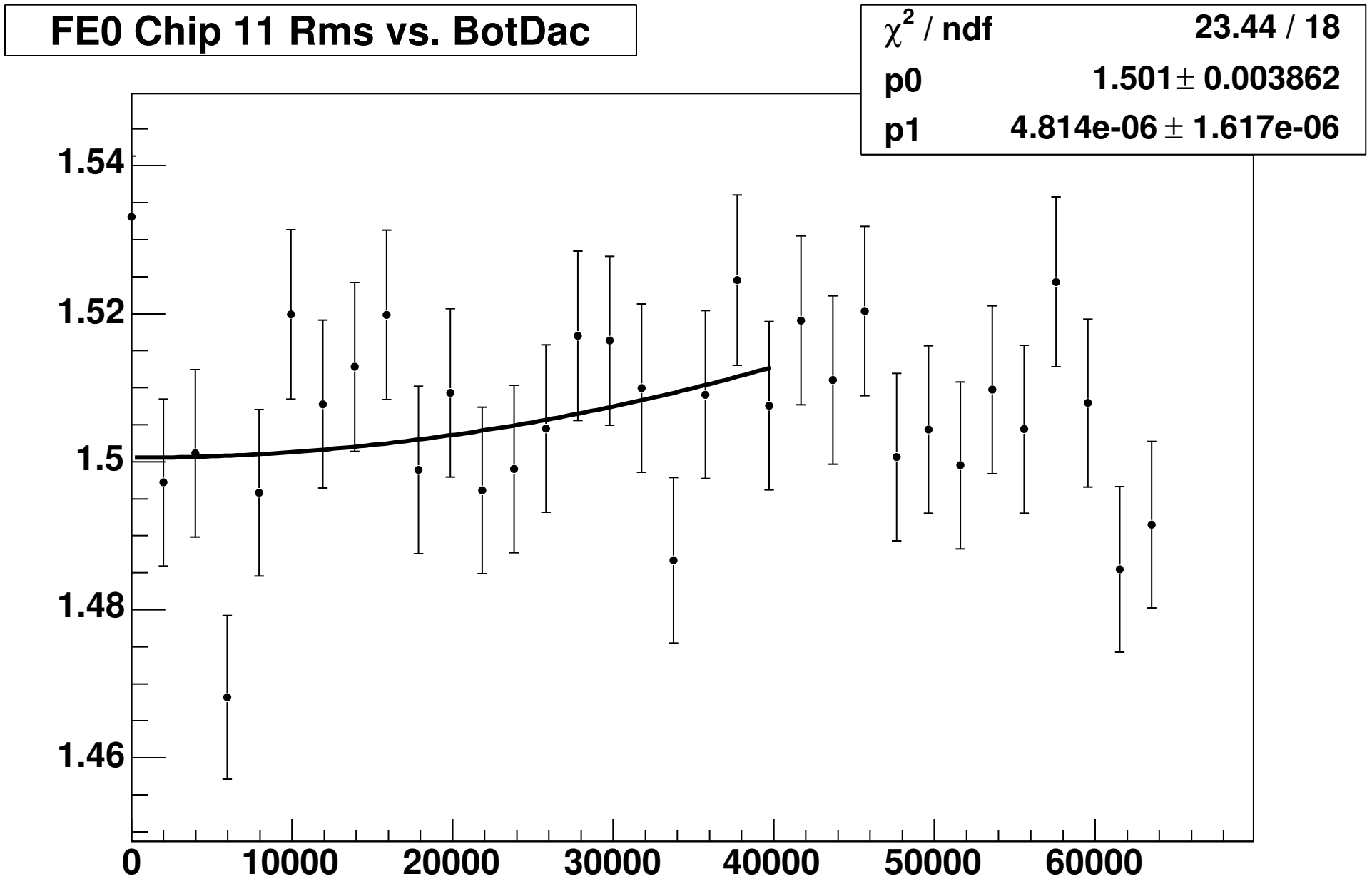

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 133.1 / 18
p0 -44.69 ± 0.007221
p1 -8.548e-08 ± 3.04e-07
-44.58
-44.6
-44.62
-44.64
-44.66
-44.68
-44.7
-44.72
-44.74
-44.76
-44.78
0
10000
20000
30000
40000
50000
60000

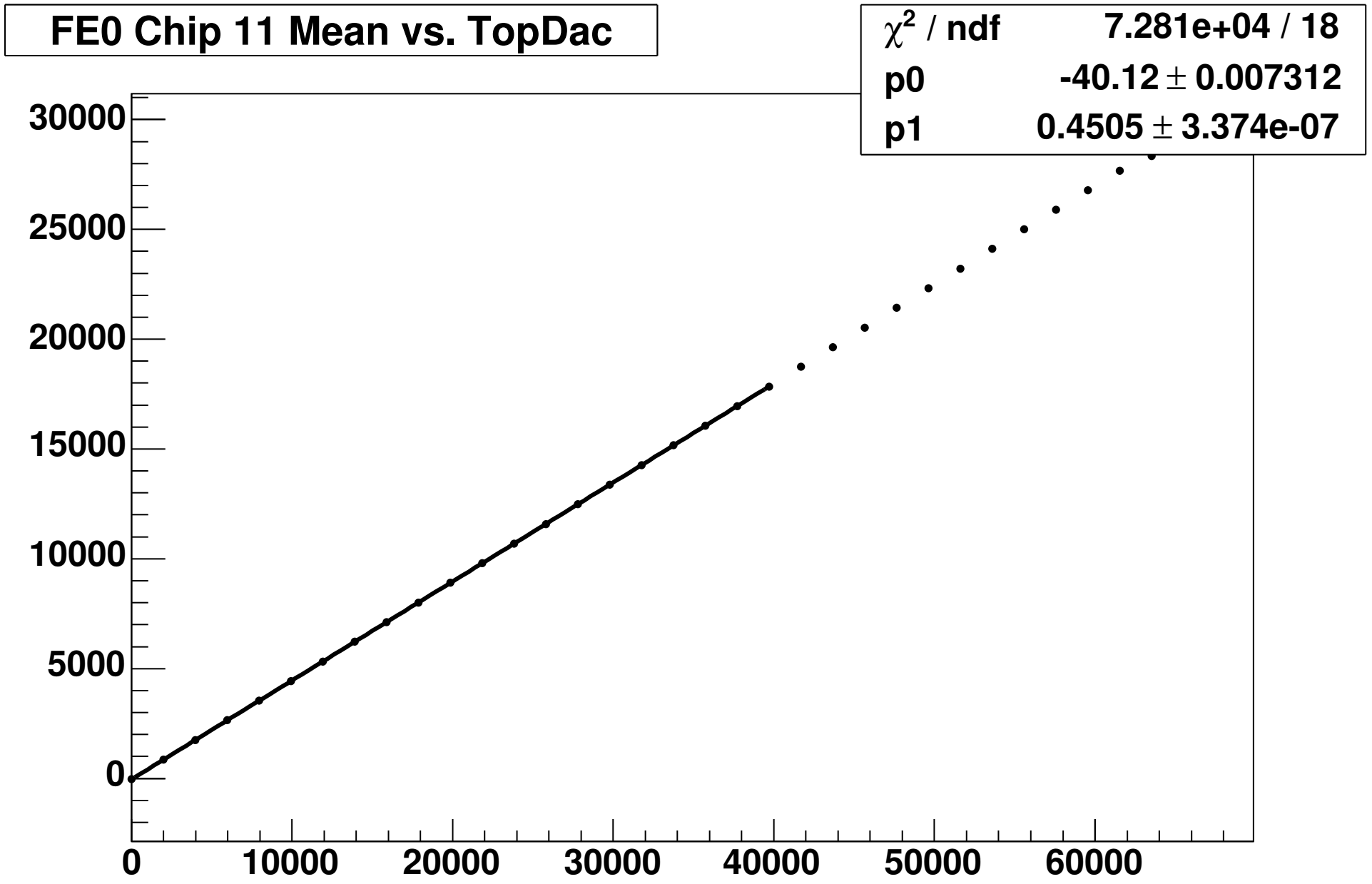

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 20.87 / 18
p0 1.465 ± 0.003767
p1 3.092e-06 ± 2.388e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

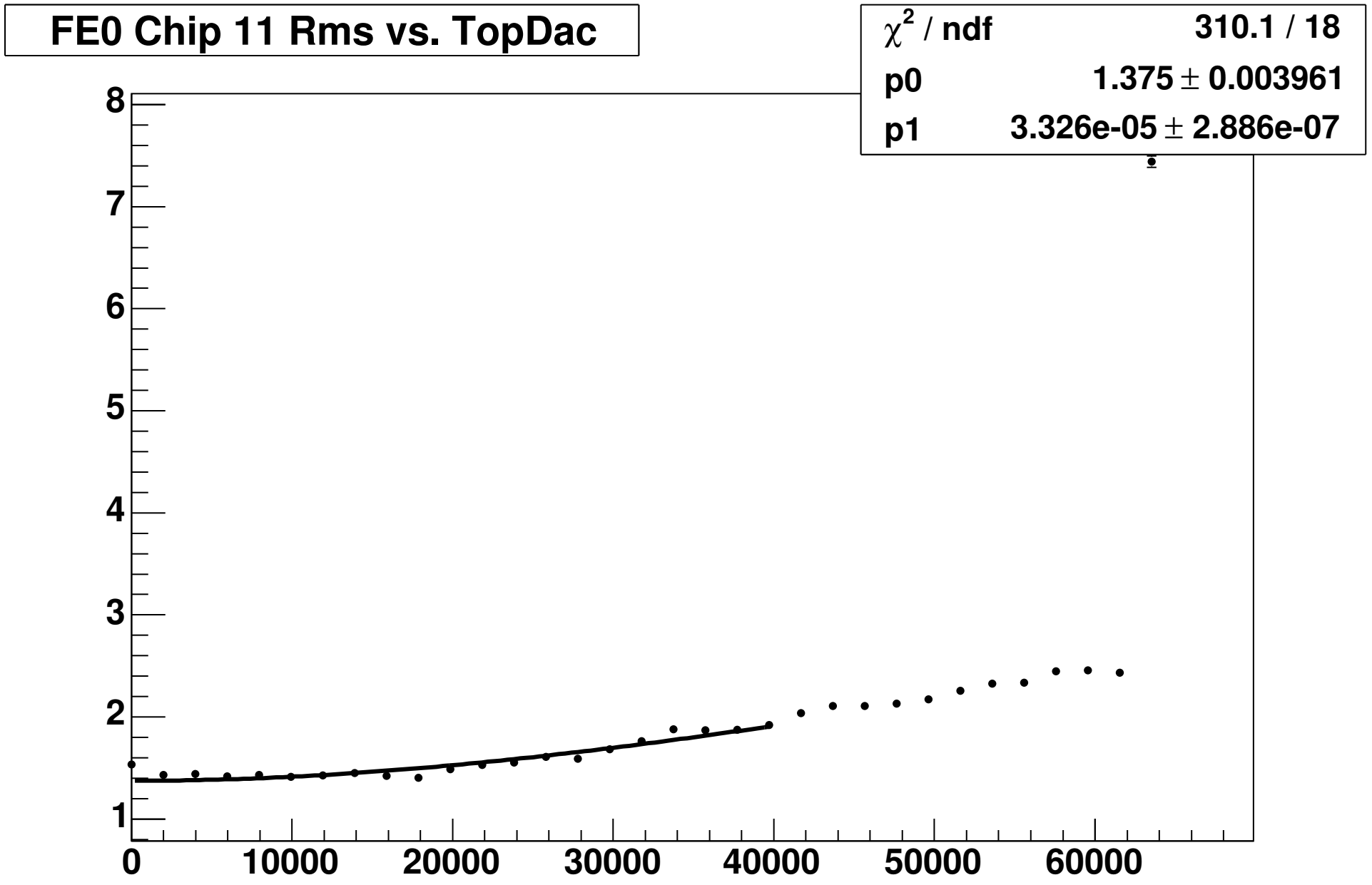

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 5.667e+04 / 18
p0 -43.92 ± 0.007323
p1 0.4506 ± 3.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

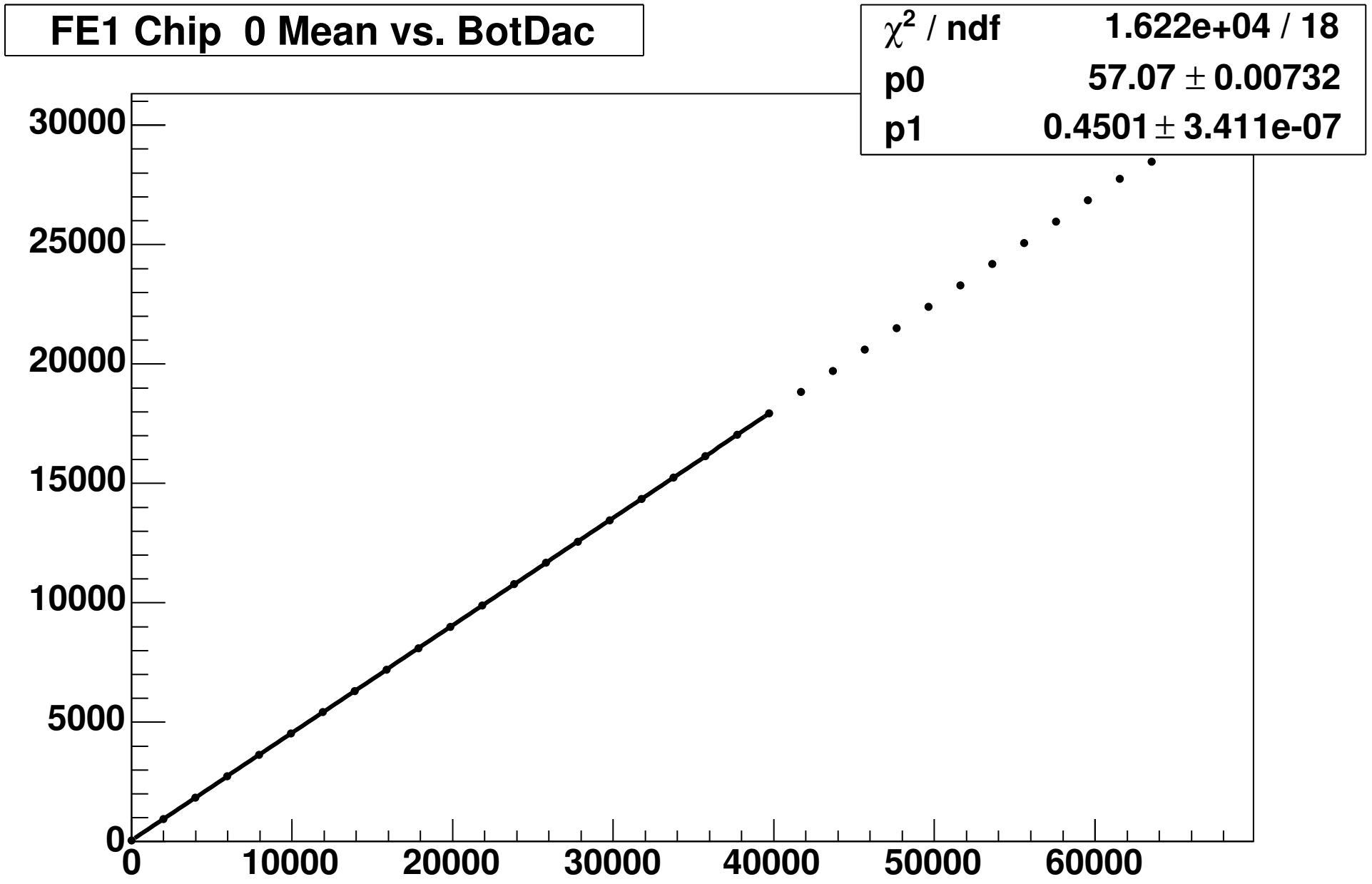

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 523.1 / 18
p0 1.364 ± 0.003944
p1 3.332e-05 ± 2.856e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

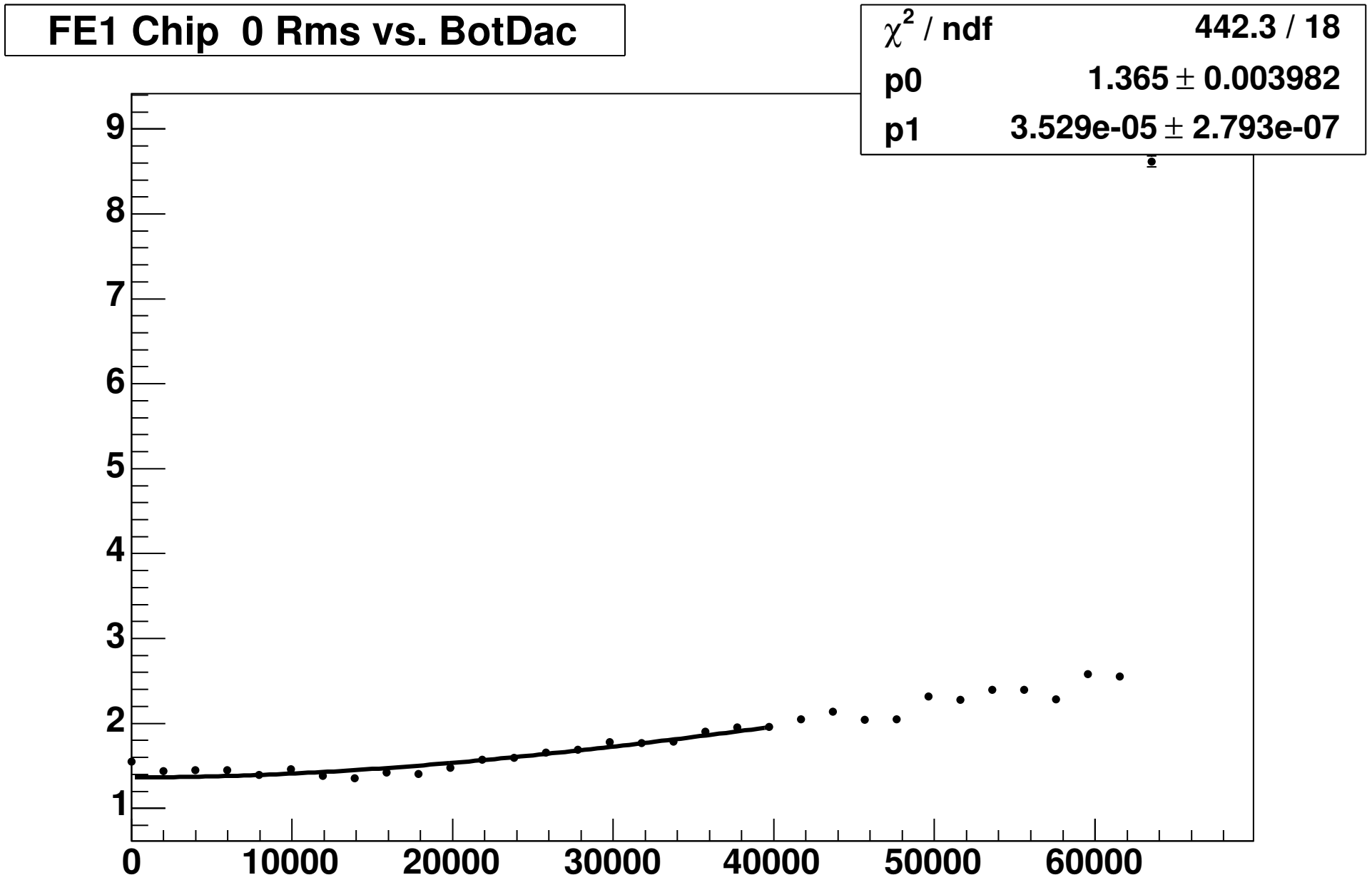

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 144.7 / 18
p0 -40.36 ± 0.007398
p1 3.685e-08 ± 3.118e-07
-40.26
-40.28
-40.3
-40.32
-40.34
-40.36
-40.38
-40.4
-40.42
-40.44
0
10000
20000
30000
40000
50000
60000

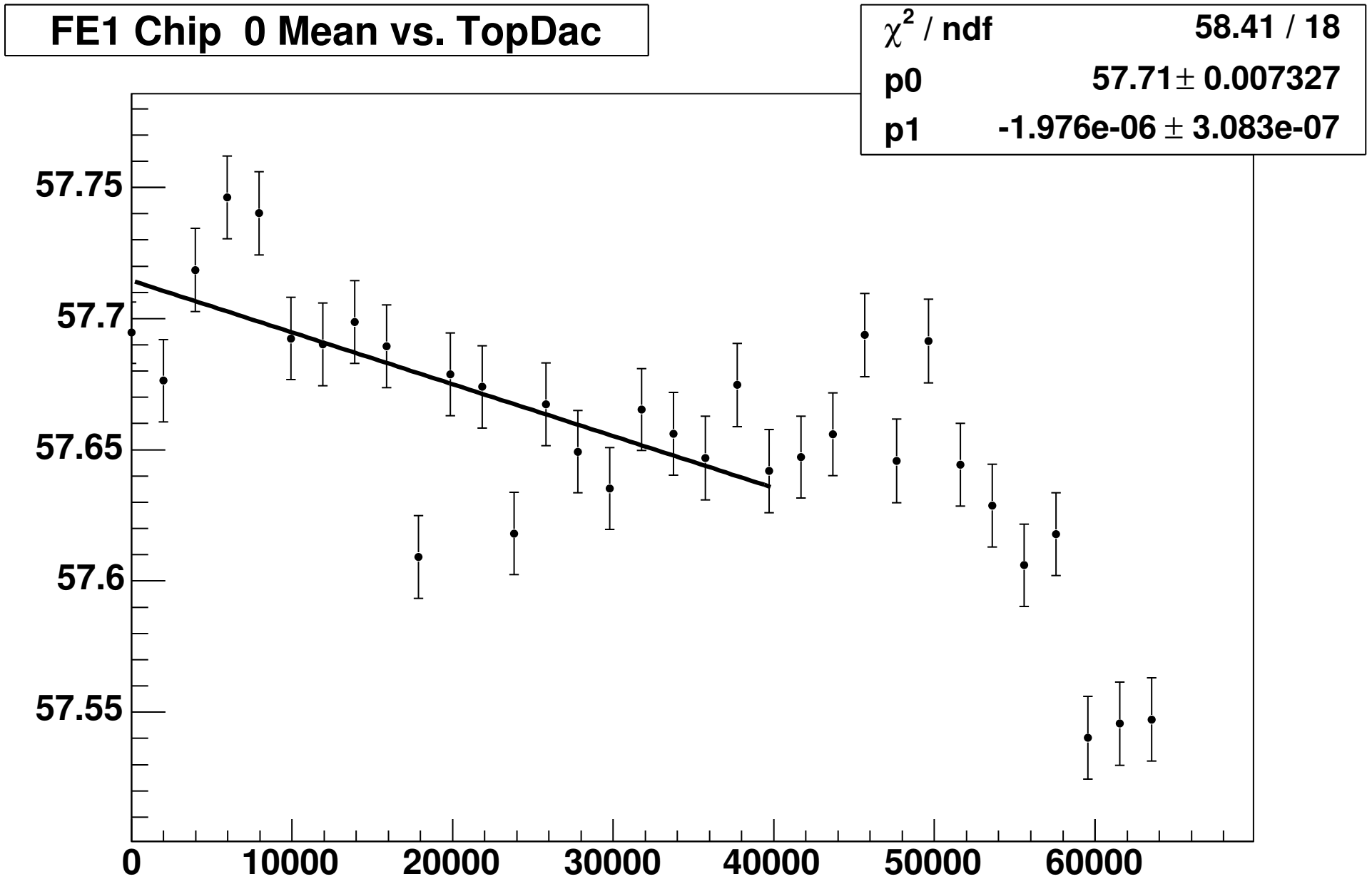

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 23.44 / 18
p0 1.501 ± 0.003862
p1 4.814e-06 ± 1.617e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

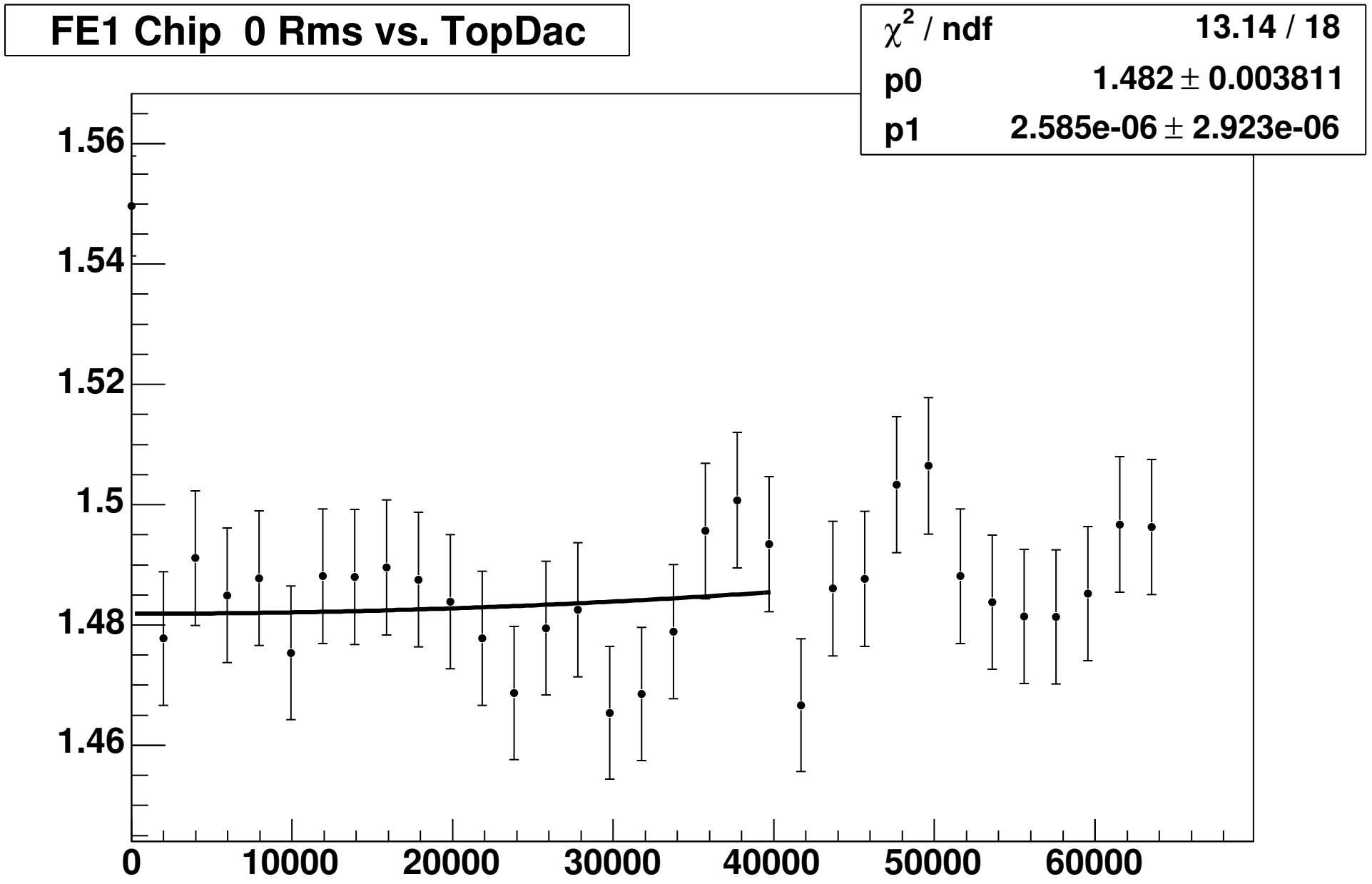

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 7.281e+04 / 18
p0 -40.12 ± 0.007312
p1 0.4505 ± 3.374e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

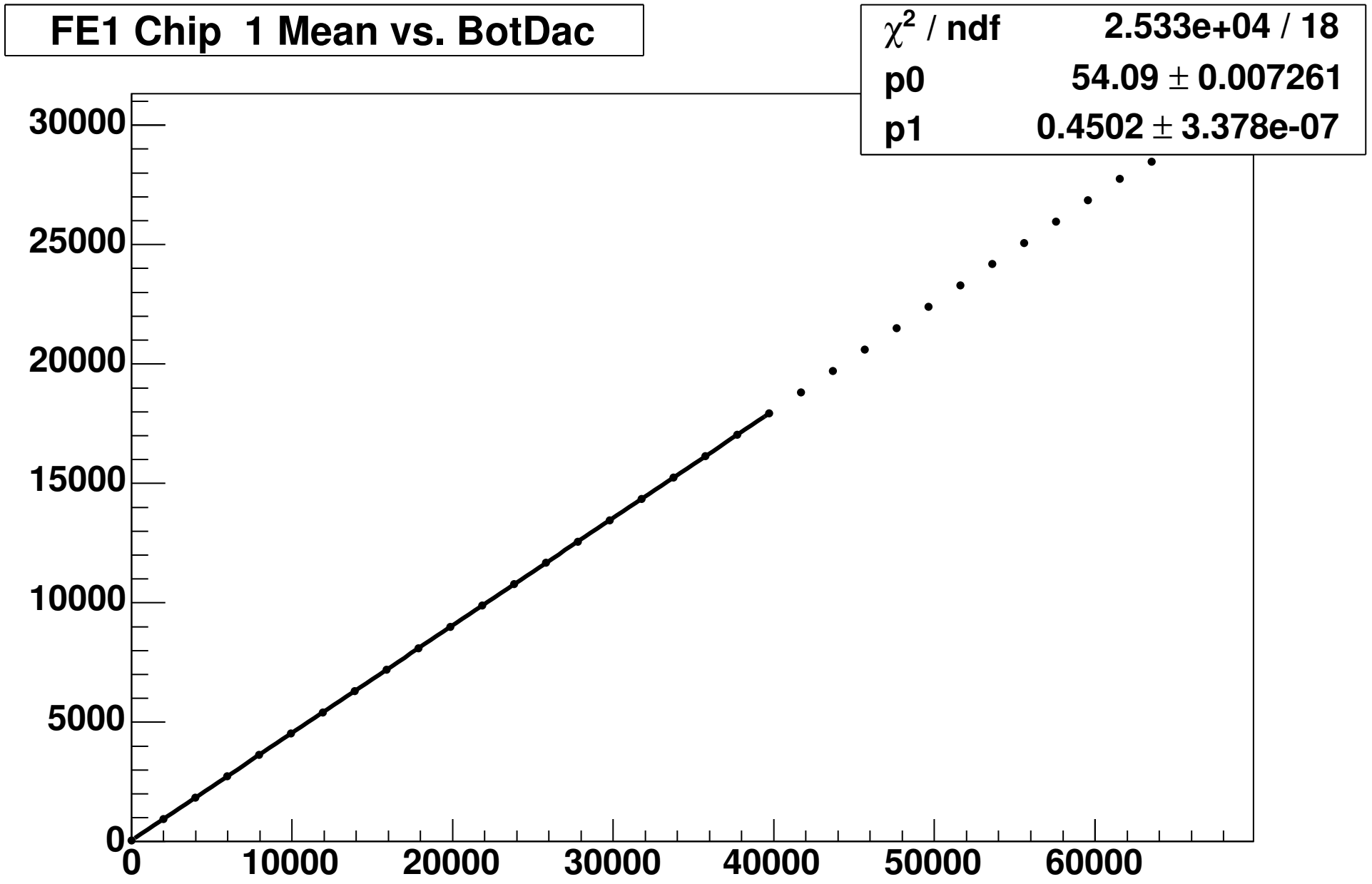

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 310.1 / 18
p0 1.375 ± 0.003961
p1 3.326e-05 ± 2.886e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

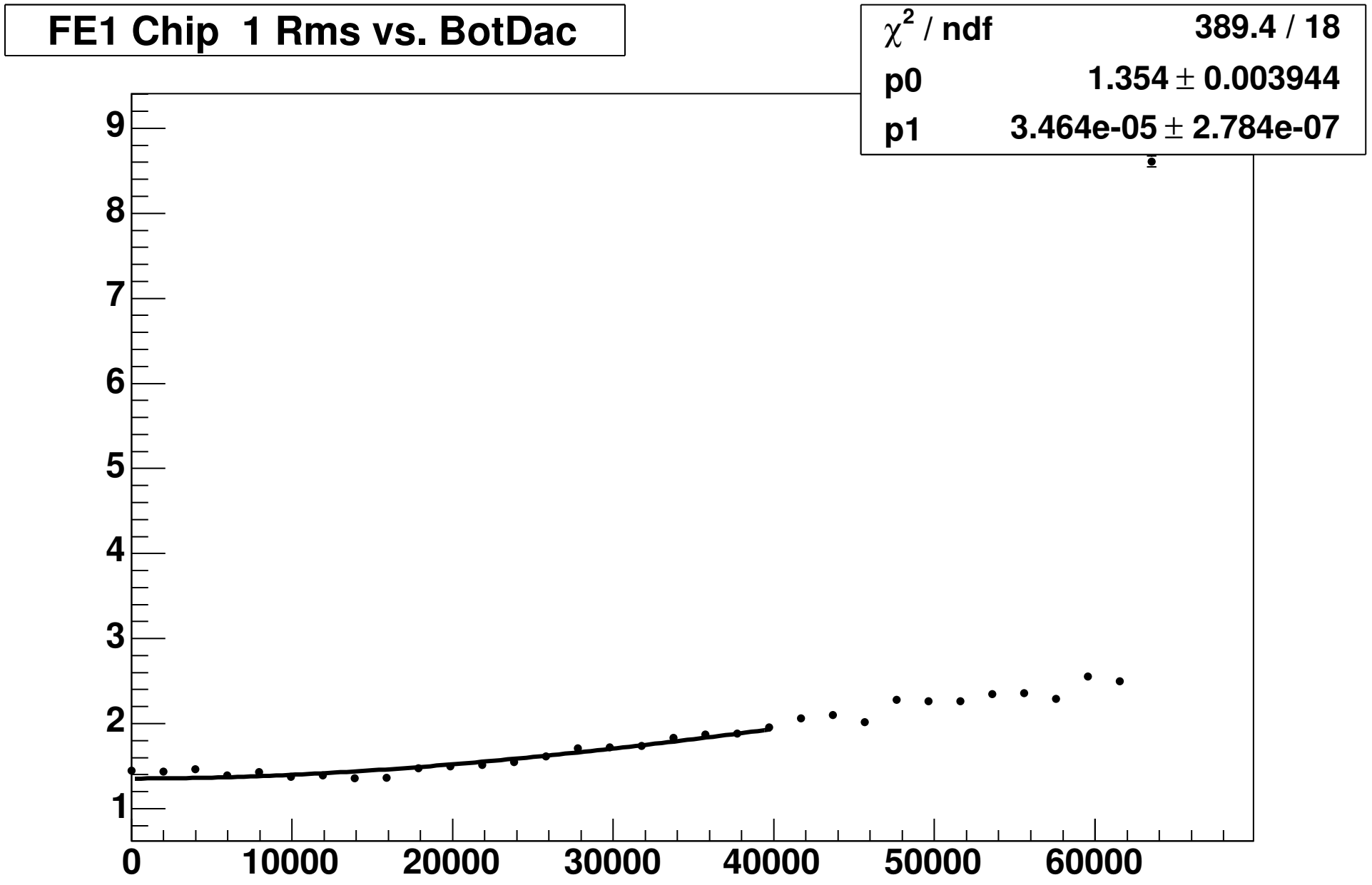

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.622e+04 / 18
p0 57.07 ± 0.00732
p1 0.4501 ± 3.411e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

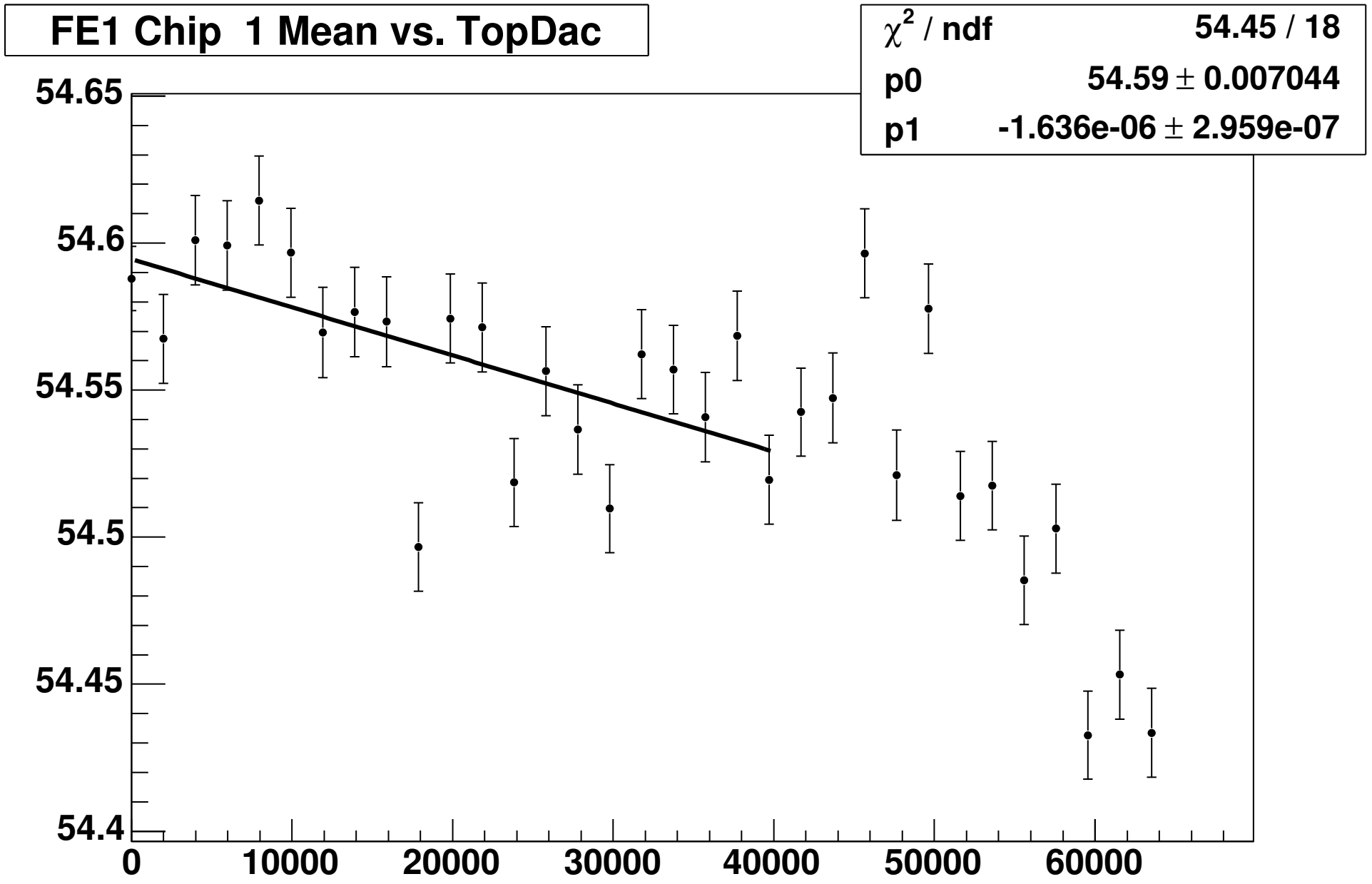

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 442.3 / 18
p0 1.365 ± 0.003982
p1 3.529e-05 ± 2.793e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

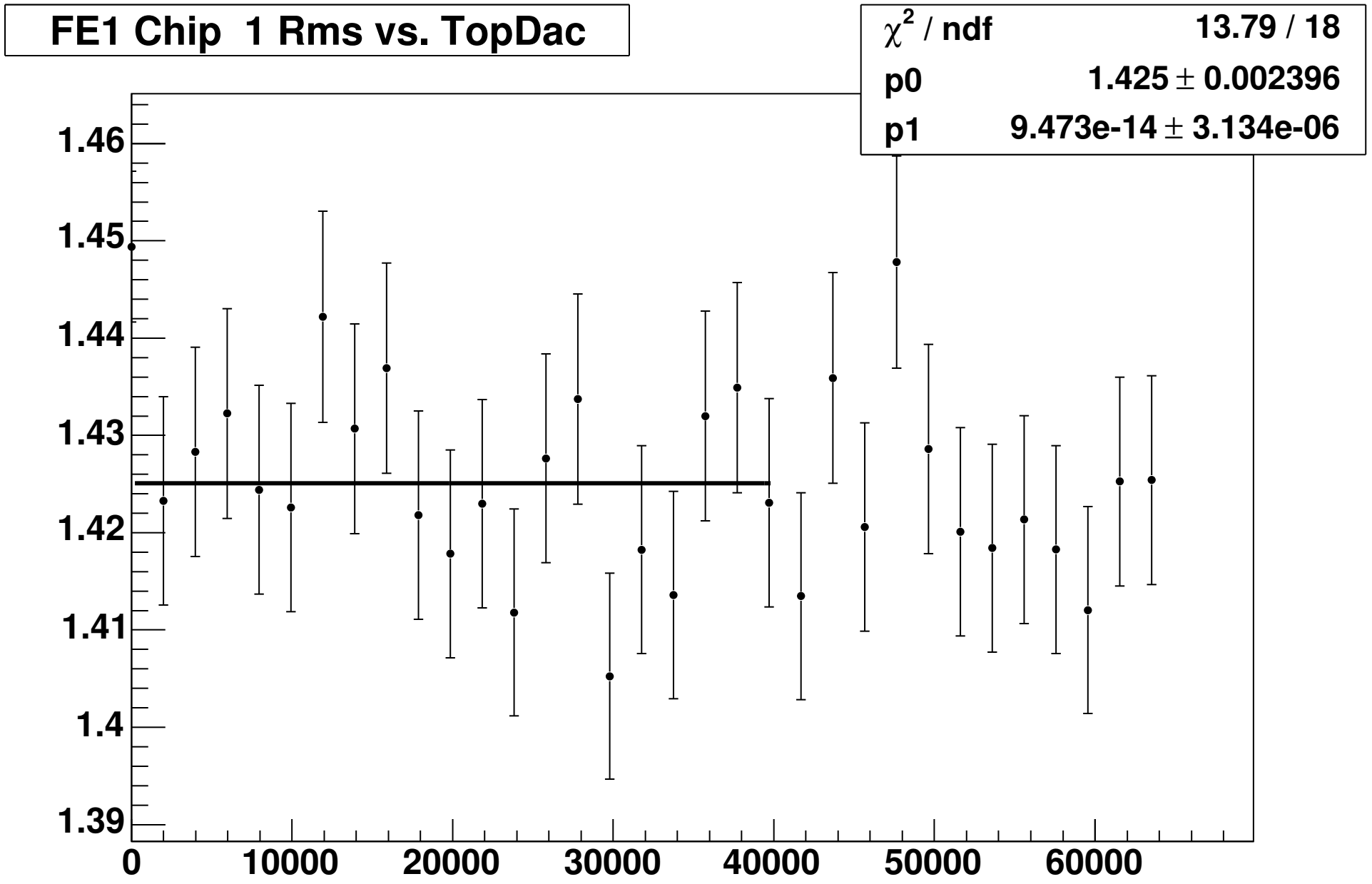

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 58.41 / 18
p0 57.71 ± 0.007327
p1 -1.976e-06 ± 3.083e-07
57.75
57.7
57.65
57.6
57.55
0
10000
20000
30000
40000
50000
60000

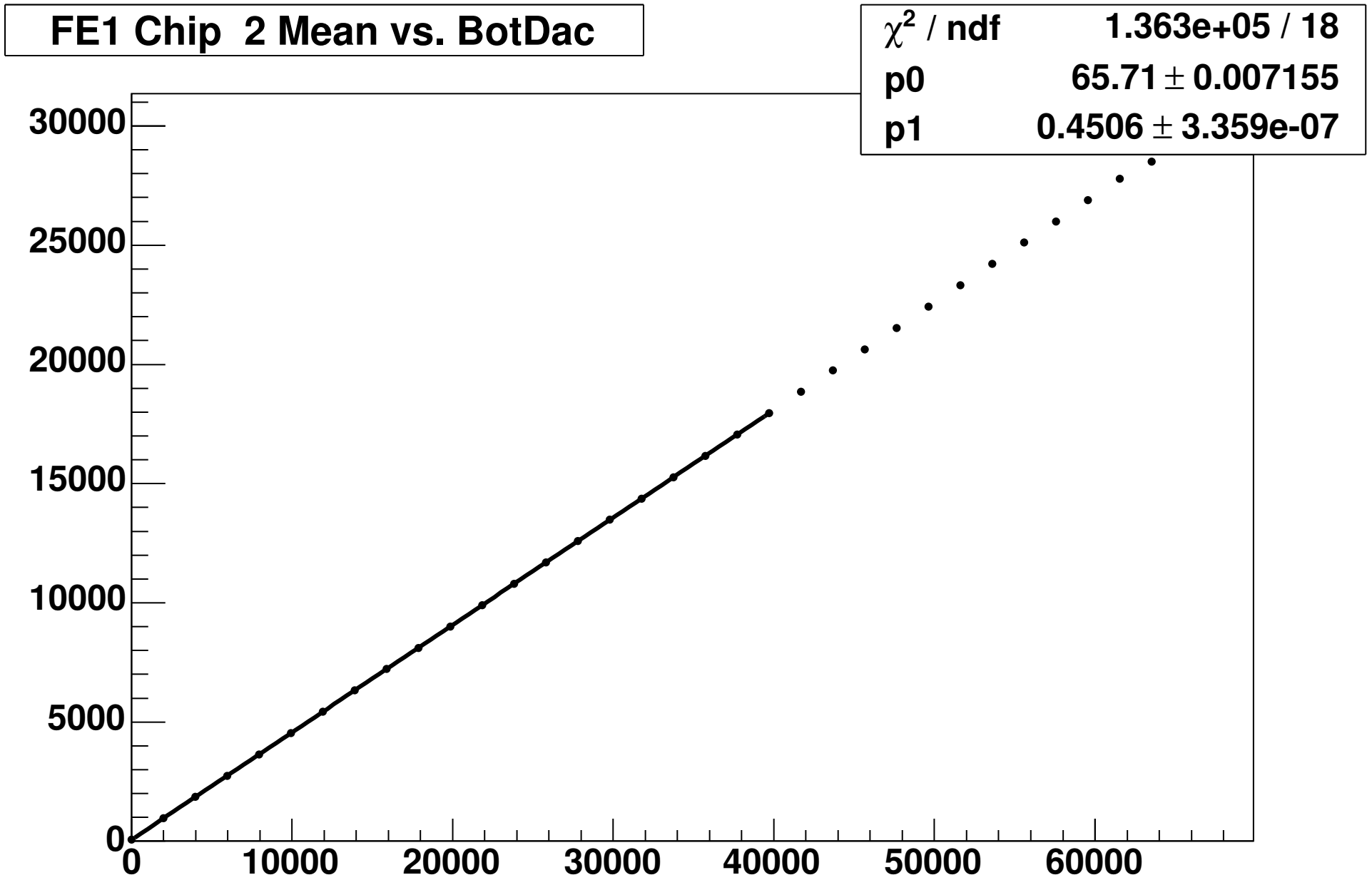

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 13.14 / 18
p0 1.482 ± 0.003811
p1 2.585e-06 ± 2.923e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

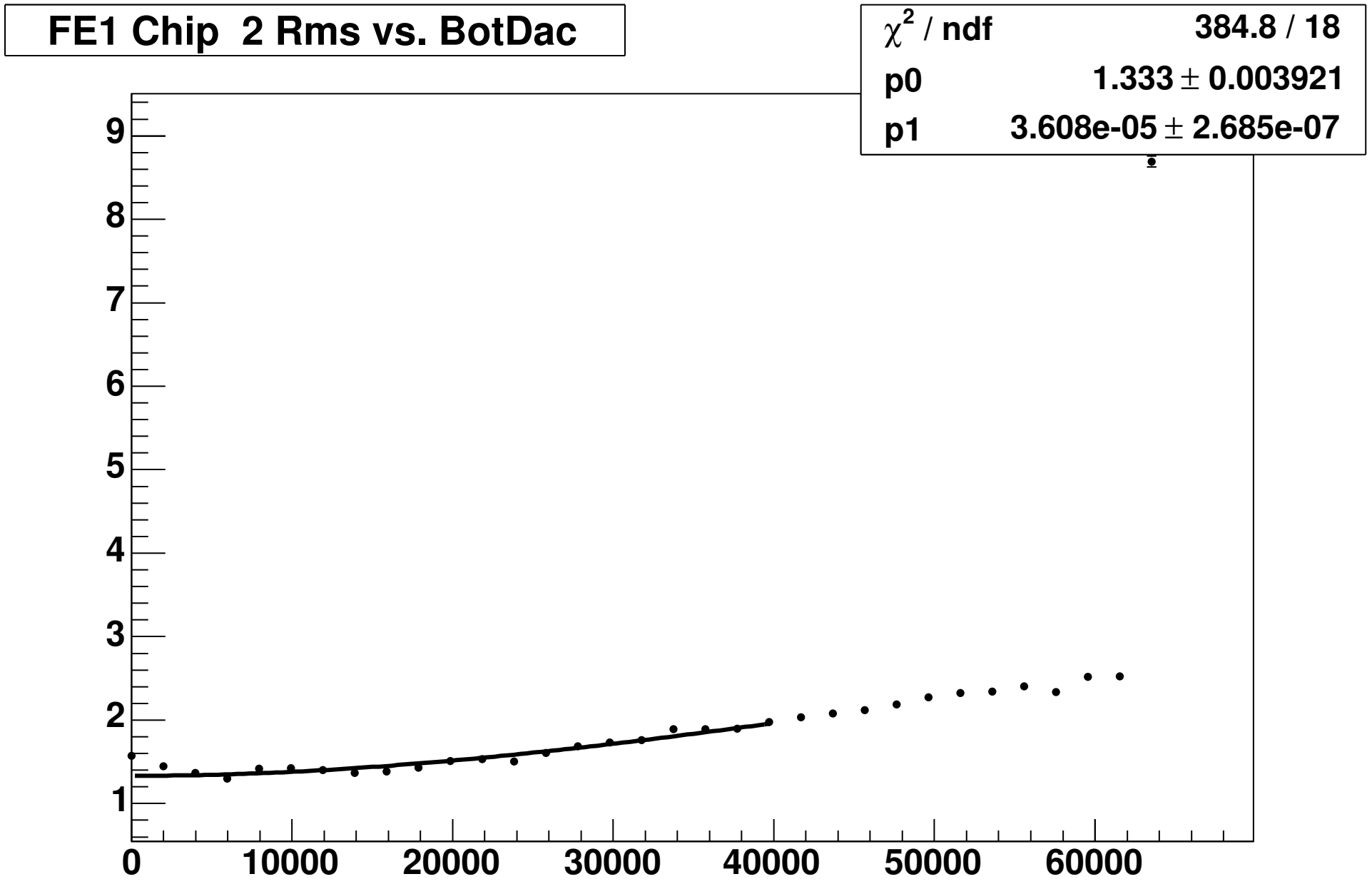

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 2.533e+04 / 18
p0 54.09 ± 0.007261
p1 0.4502 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

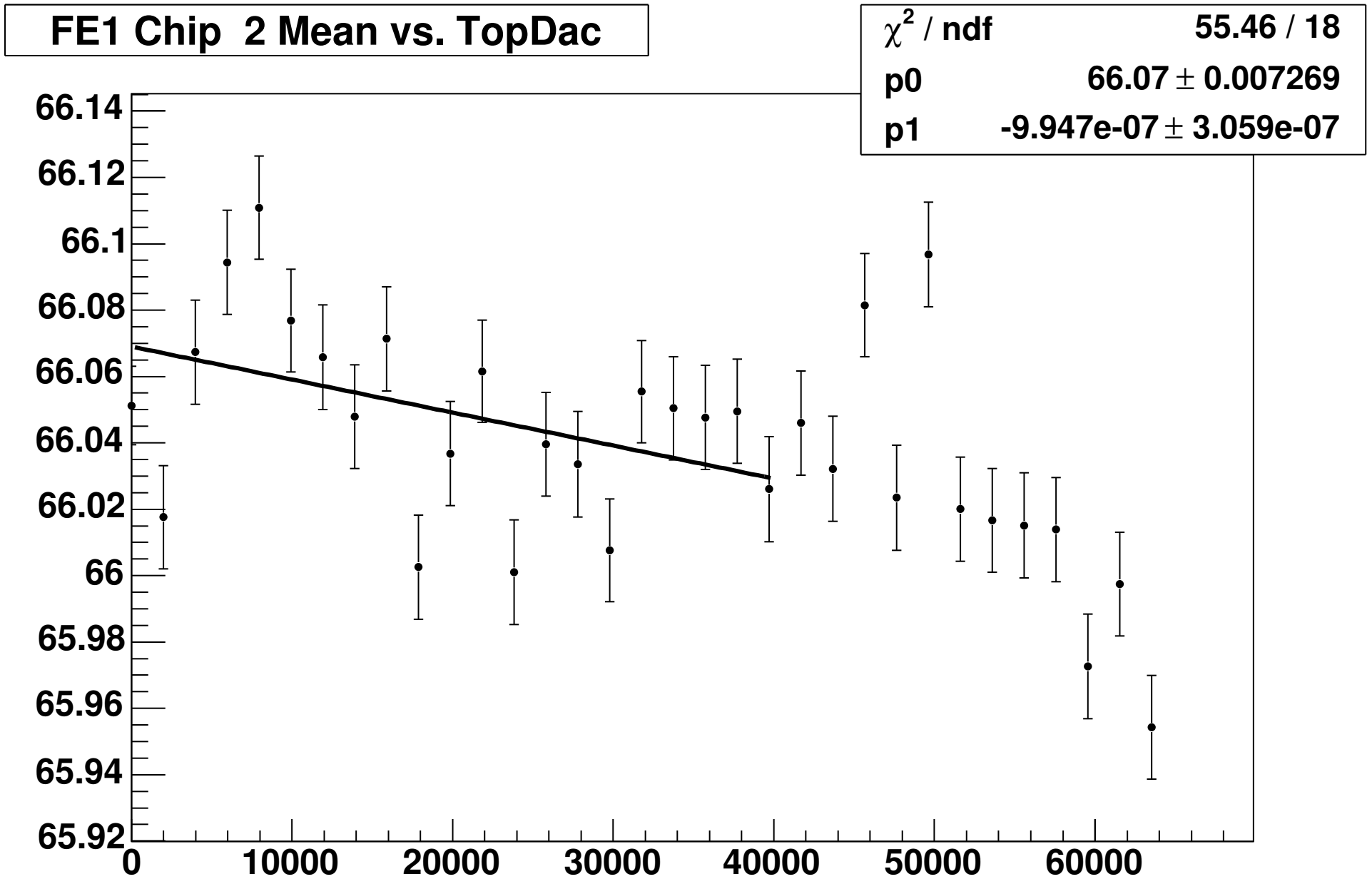

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 389.4 / 18
p0 1.354 ± 0.003944
p1 3.464e-05 ± 2.784e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

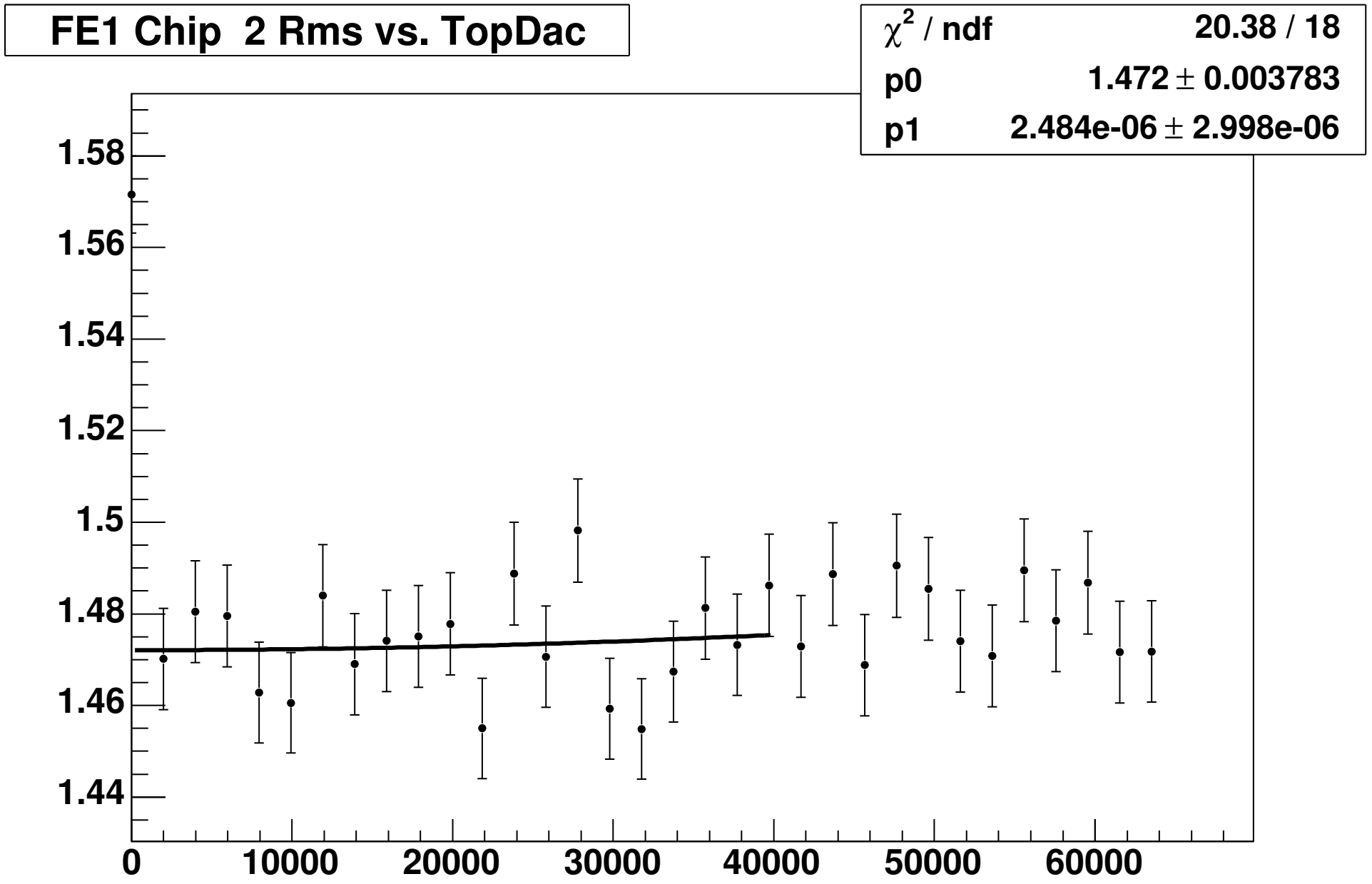

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 54.45 / 18
p0 54.59 ± 0.007044
p1 -1.636e-06 ± 2.959e-07
54.65
54.6
54.55
54.5
54.45
54.4
0
10000
20000
30000
40000
50000
60000

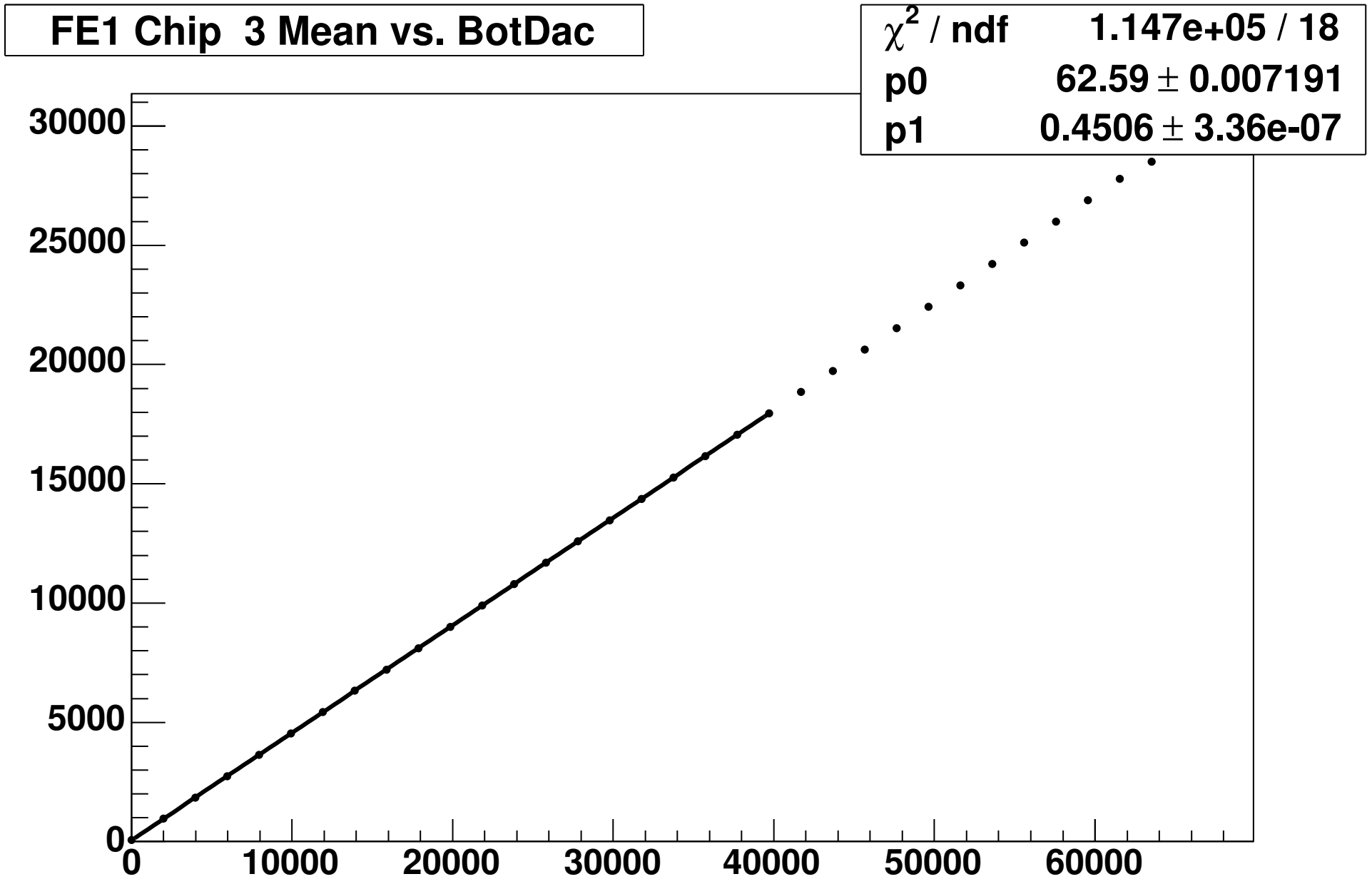

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 13.79 / 18
p0 1.425 ± 0.002396
p1 9.473e-14 ± 3.134e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000

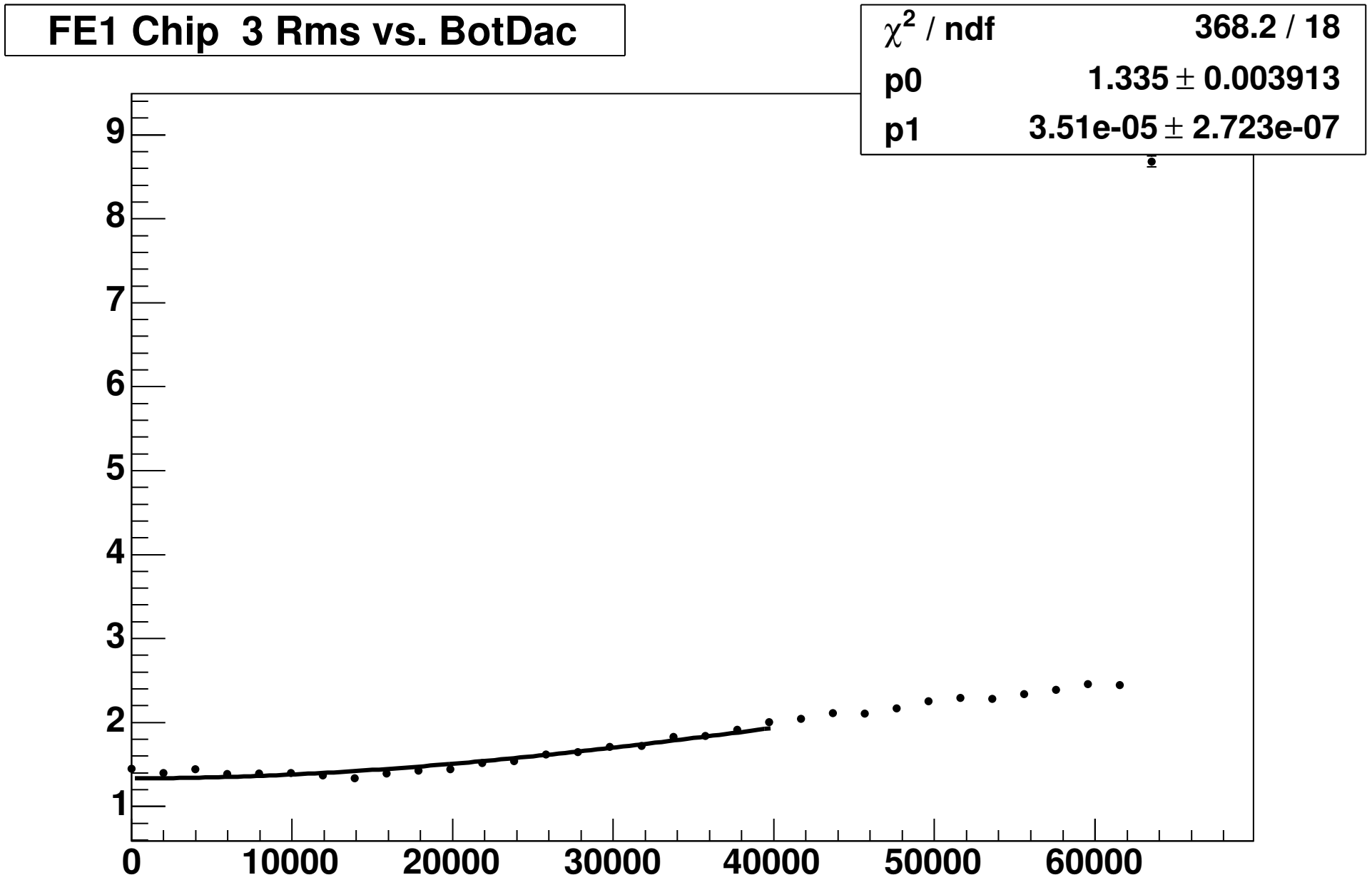

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.363e+05 / 18
p0 65.71 ± 0.007155
p1 0.4506 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

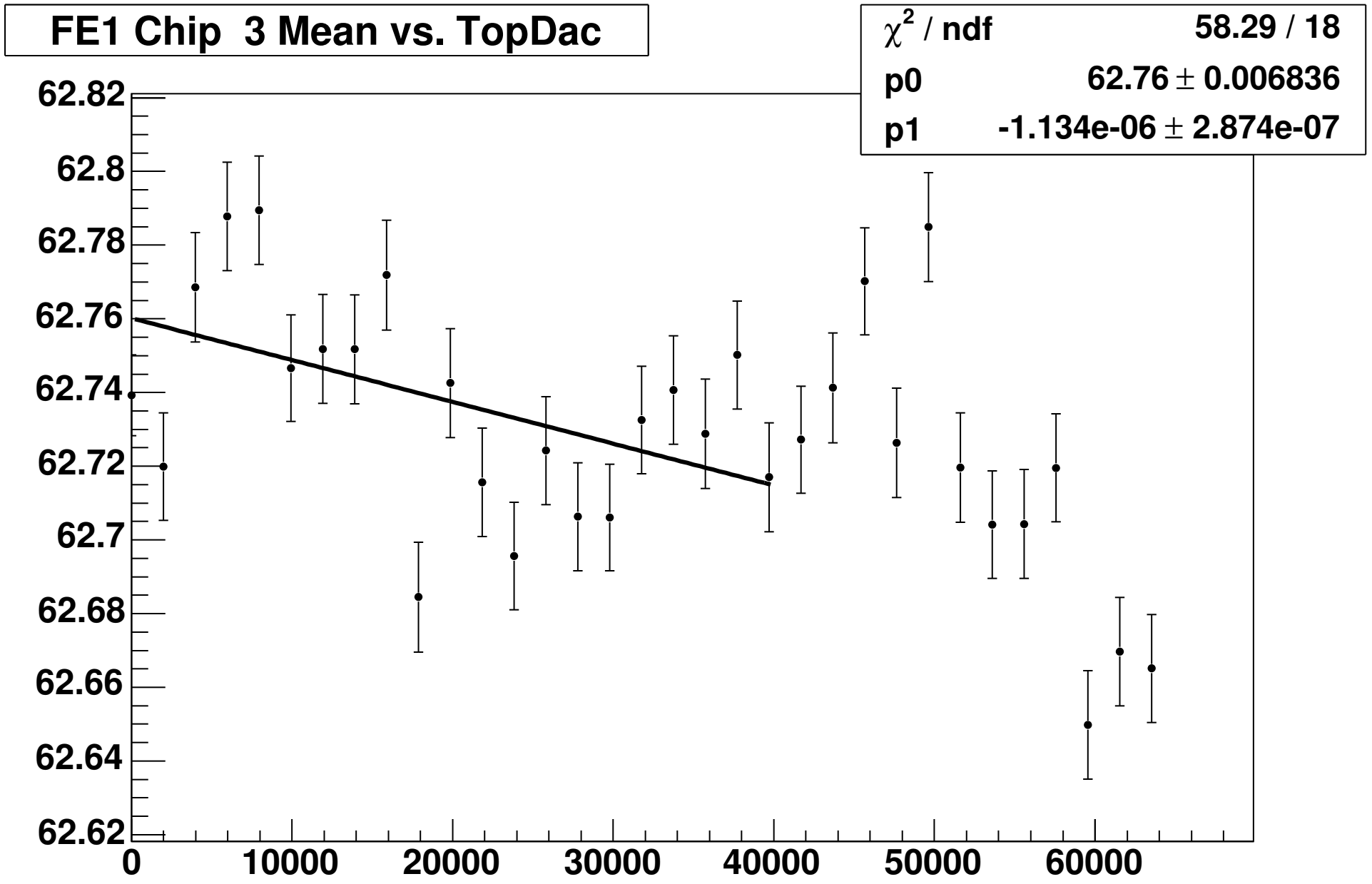

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 384.8 / 18
p0 1.333 ± 0.003921
p1 3.608e-05 ± 2.685e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

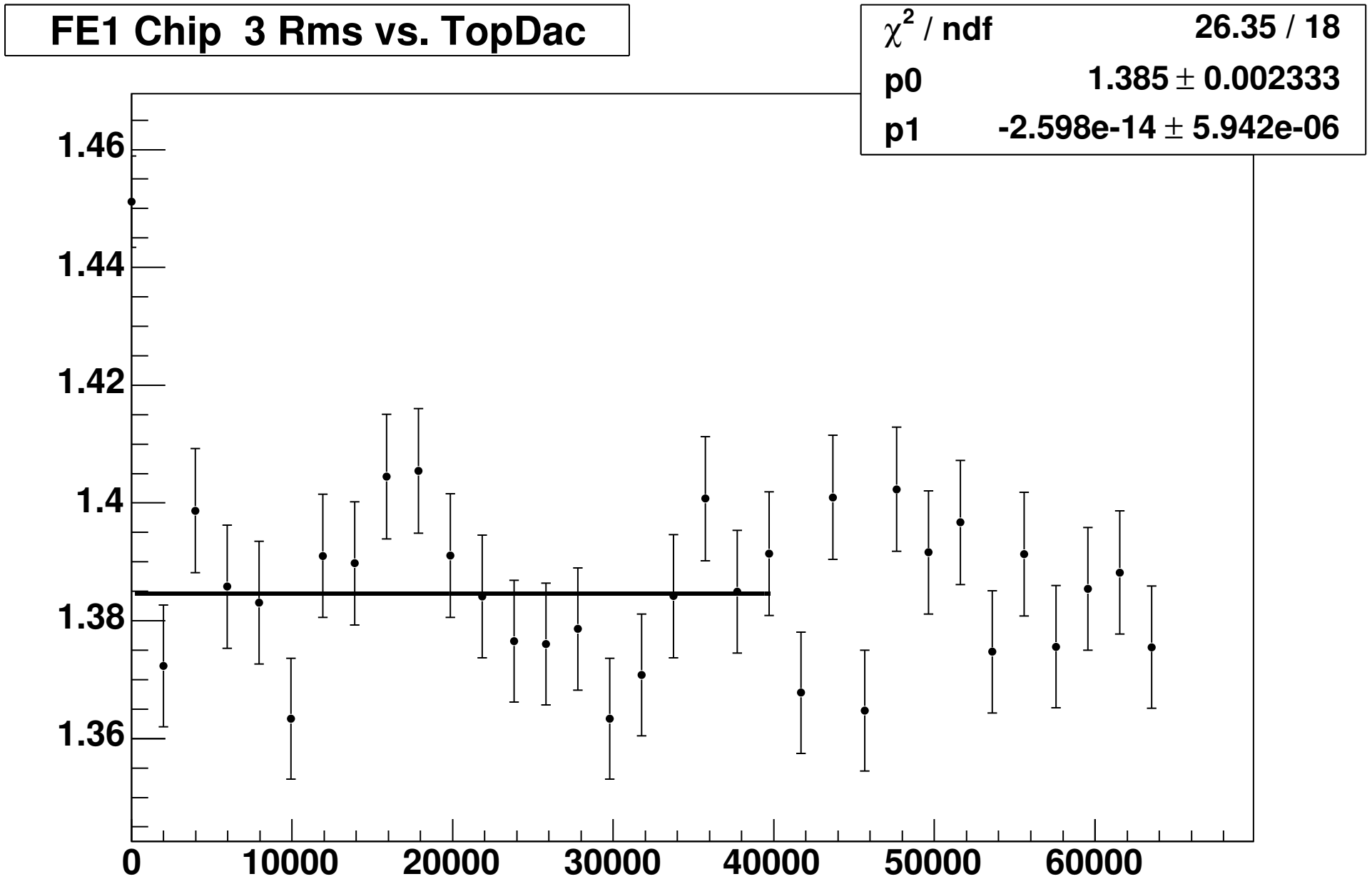

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 55.46 / 18
p0 66.07 ± 0.007269
p1 -9.947e-07 ± 3.059e-07
66.14
66.12
66.1
66.08
66.06
66.04
66.02
66
65.98
65.96
65.94
65.92
0
10000
20000
30000
40000
50000
60000

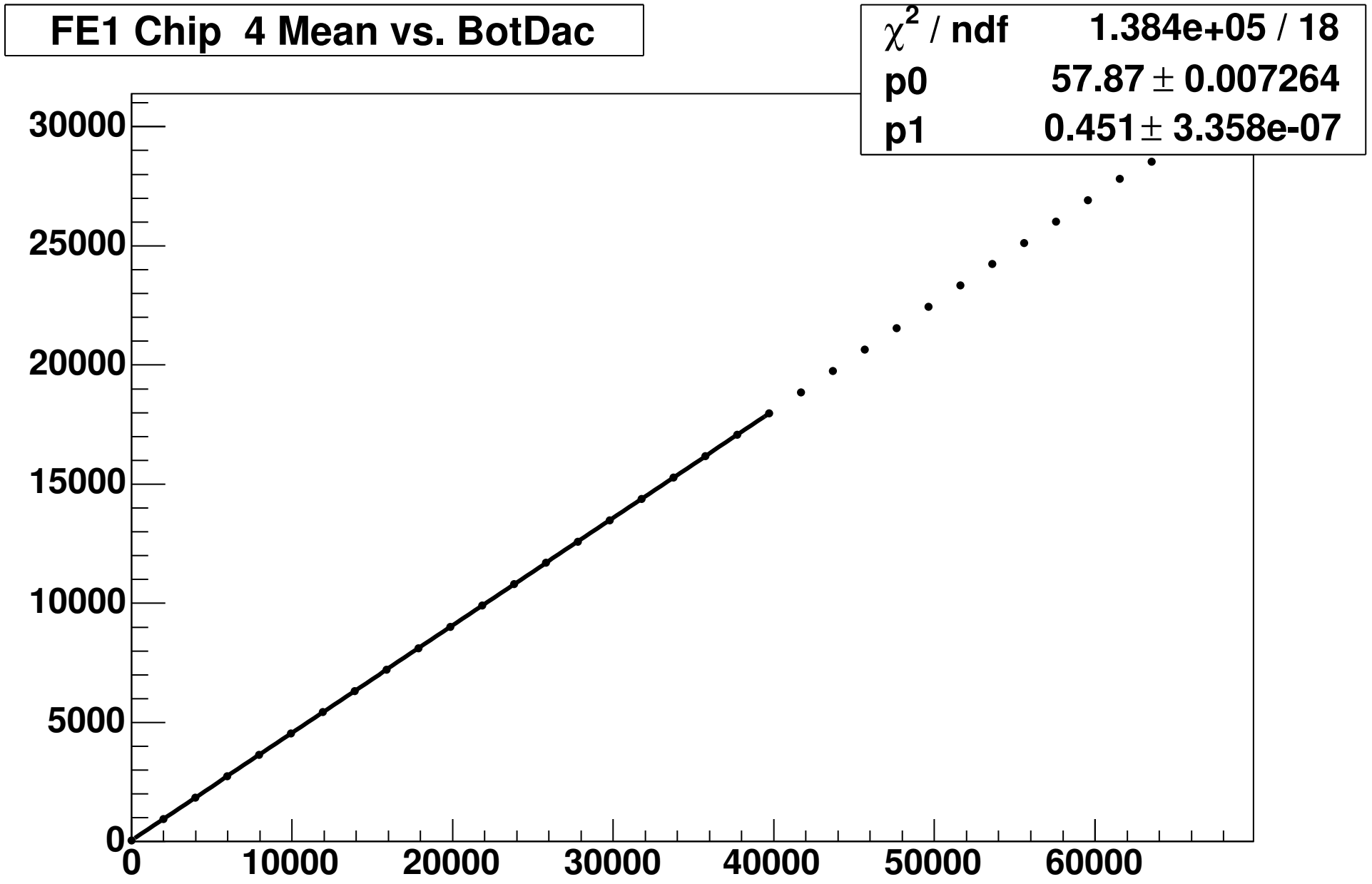

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 20.38 / 18
p0 1.472 ± 0.003783
p1 2.484e-06 ± 2.998e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

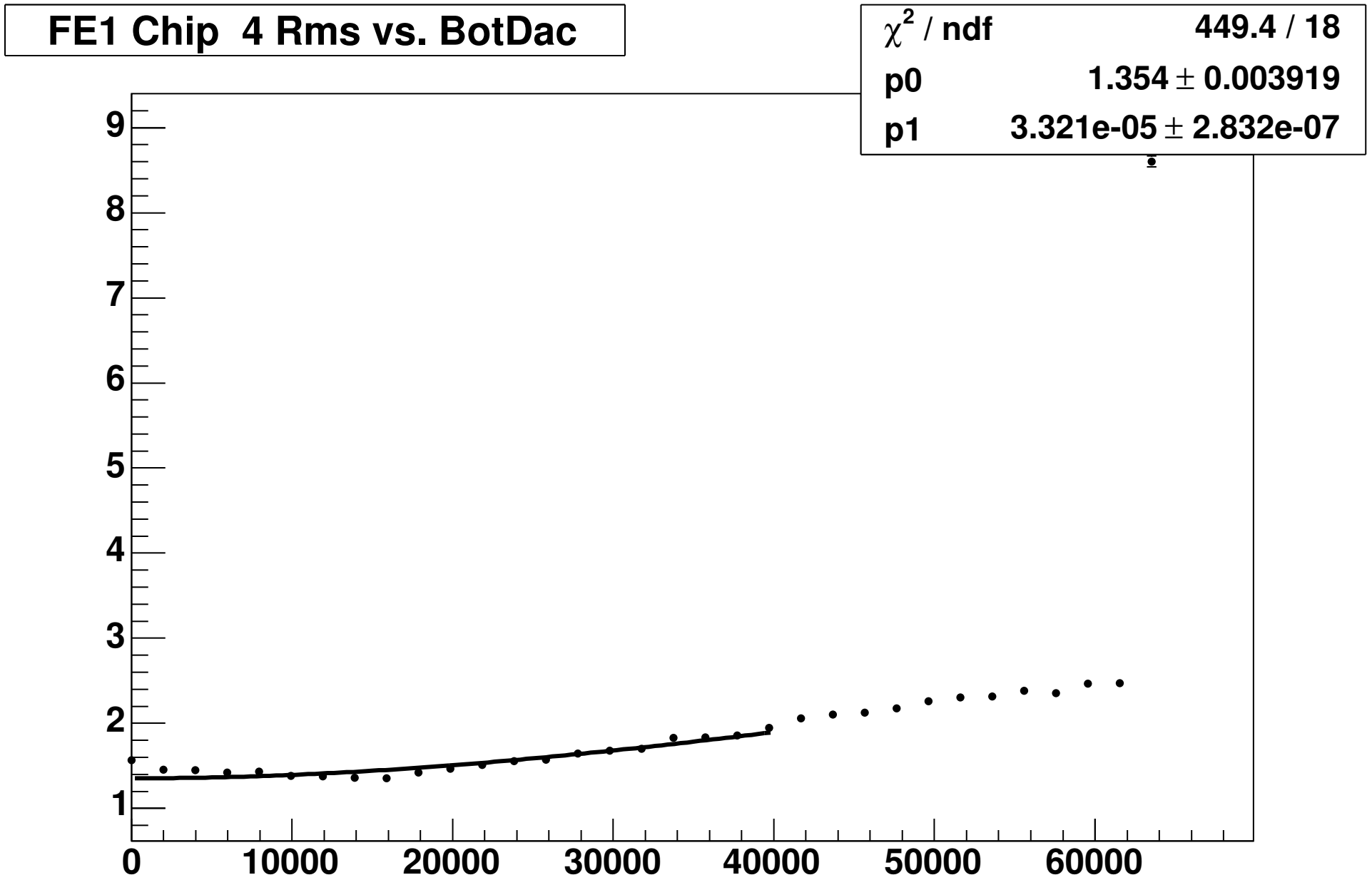

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 1.147e+05 / 18
p0 62.59 ± 0.007191
p1 0.4506 ± 3.36e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

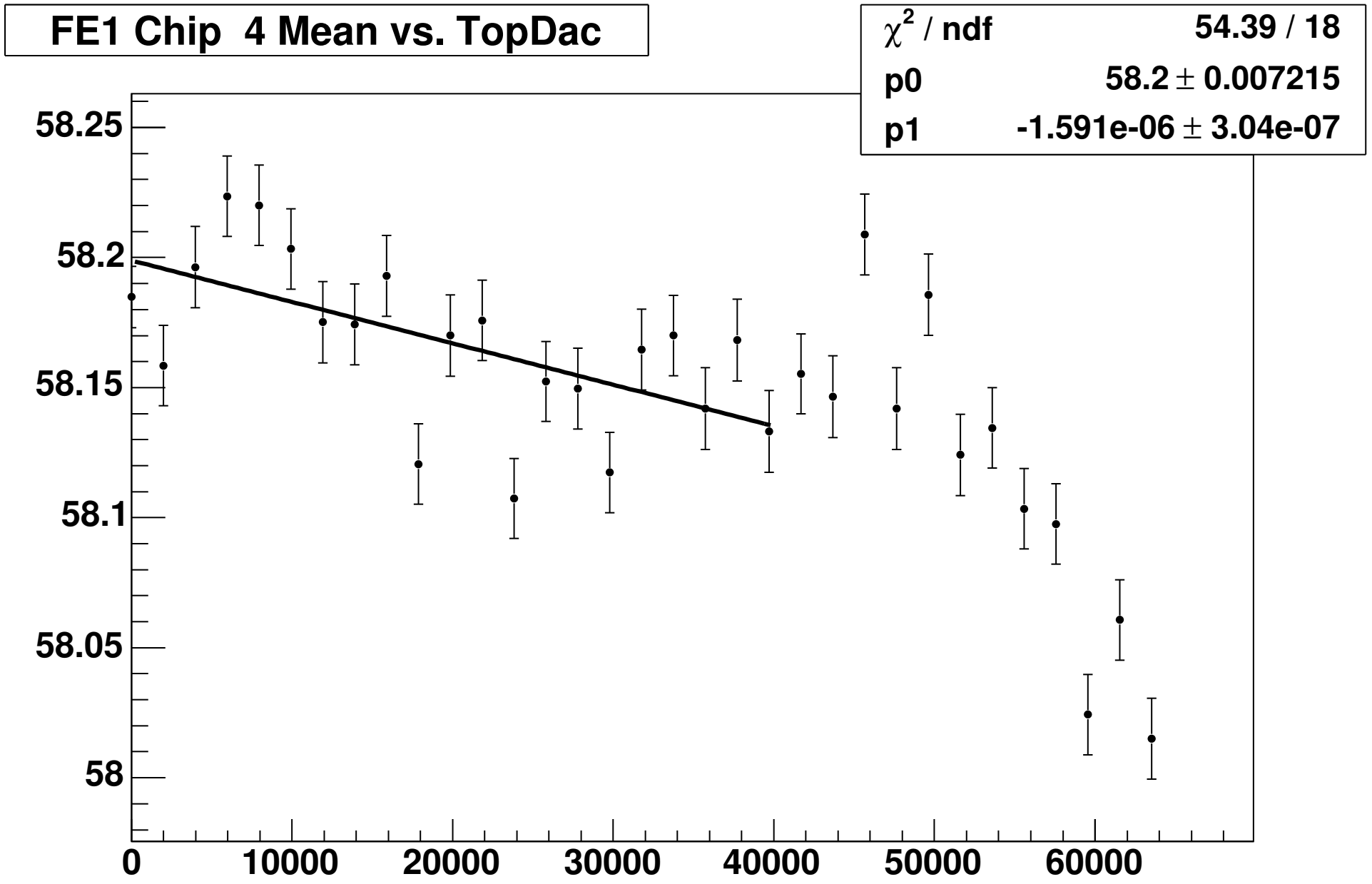

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 368.2 / 18
p0 1.335 ± 0.003913
p1 3.51e-05 ± 2.723e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

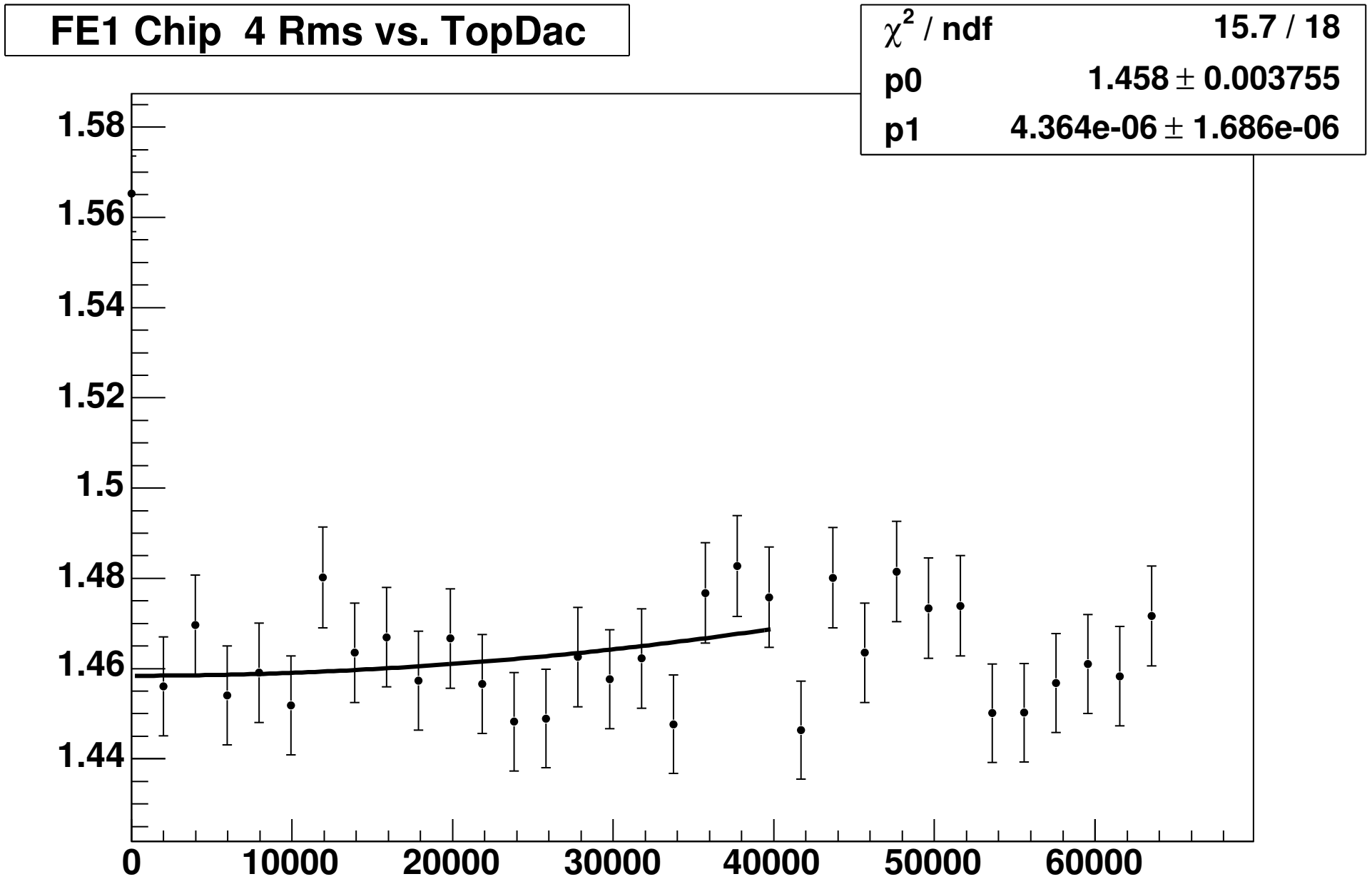

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 58.29 / 18
p0 62.76 ± 0.006836
p1 -1.134e-06 ± 2.874e-07
62.82
62.8
62.78
62.76
62.74
62.72
62.7
62.68
62.66
62.64
62.62
0
10000
20000
30000
40000
50000
60000

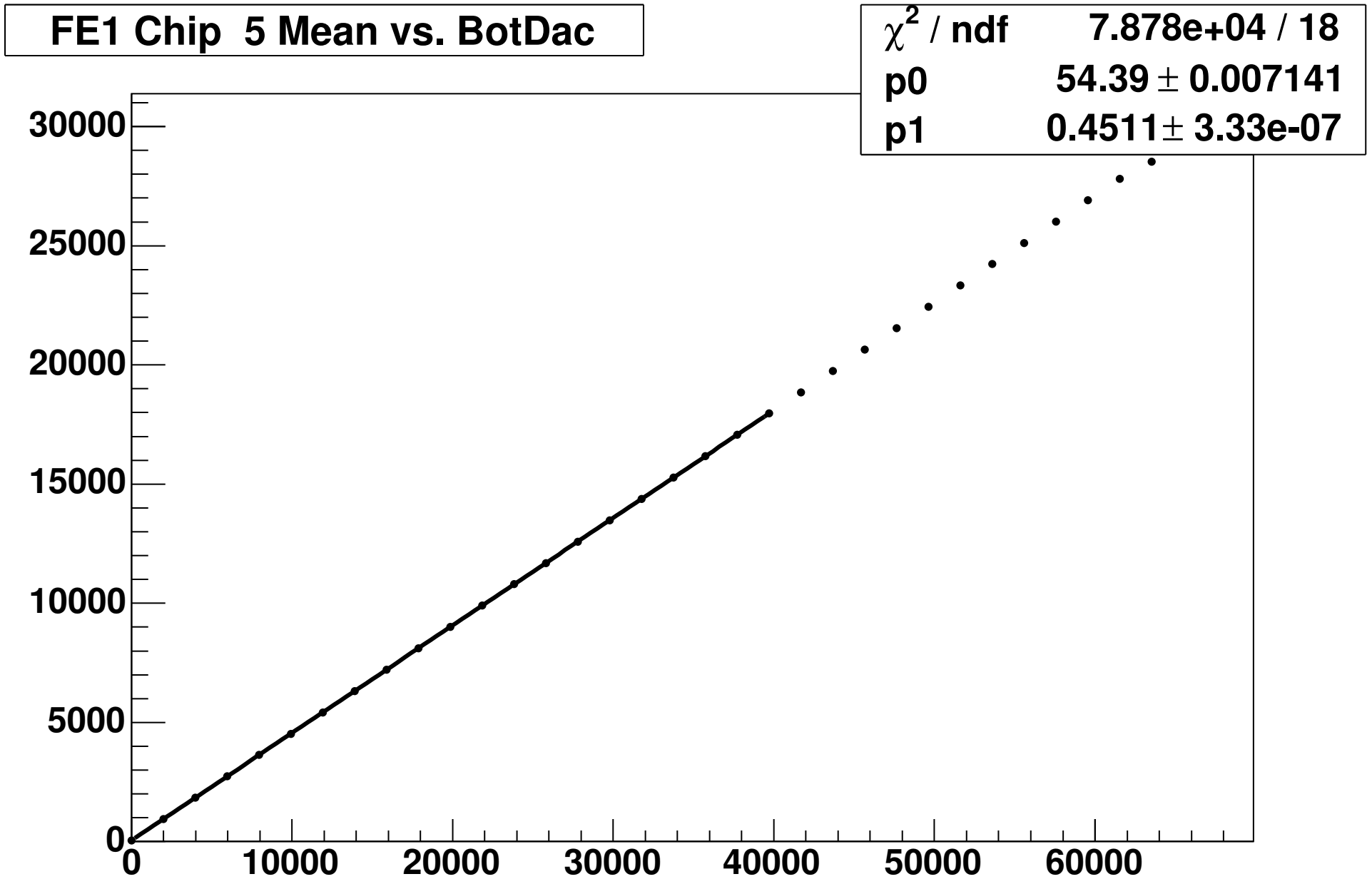

FE1 Chip 3 Rms vs. TopDac
χ² / ndf 26.35 / 18
p0 1.385 ± 0.002333
p1 -2.598e-14 ± 5.942e-06
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000

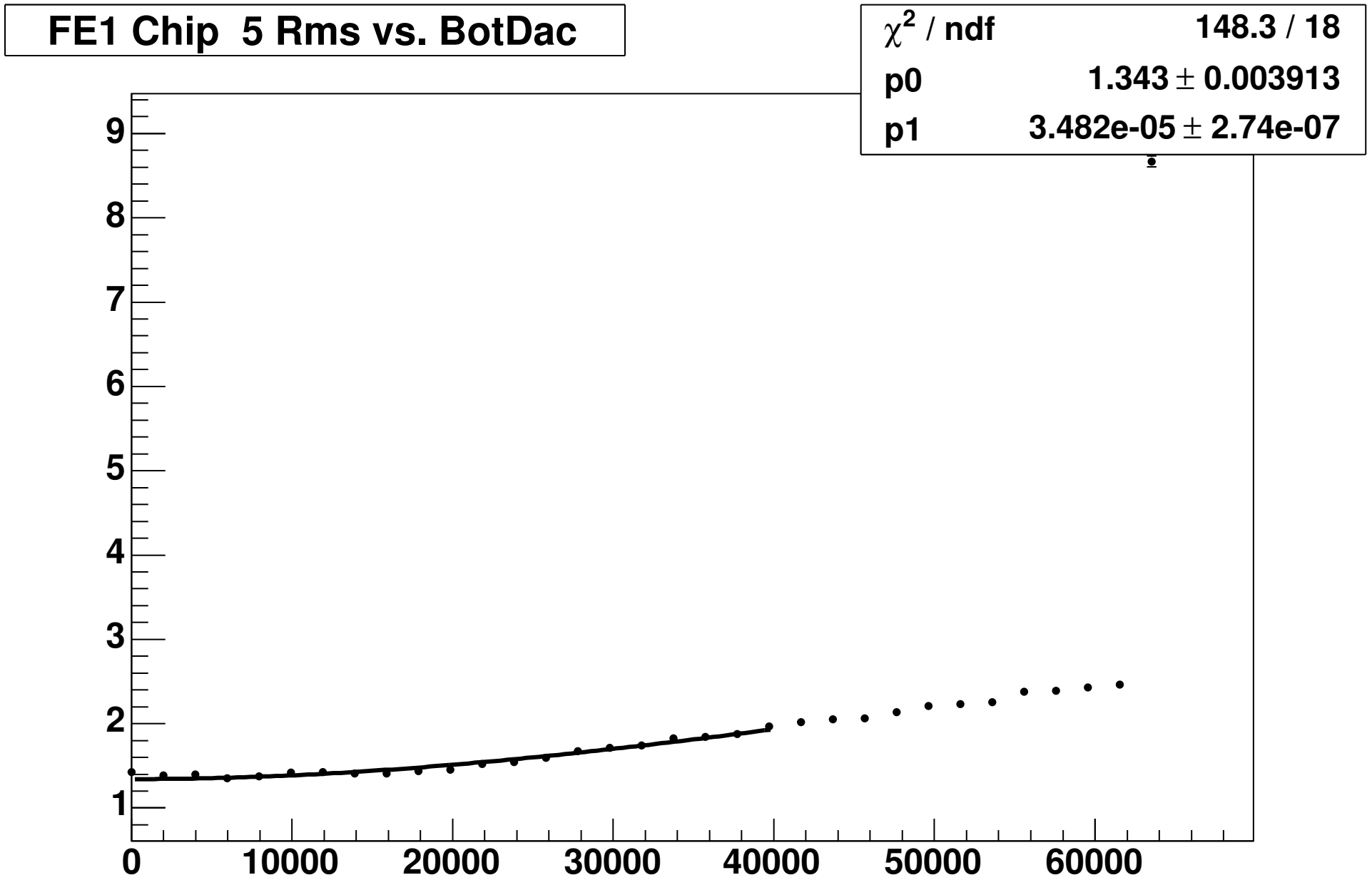

FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.384e+05 / 18
p0 57.87 ± 0.007264
p1 0.451 ± 3.358e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

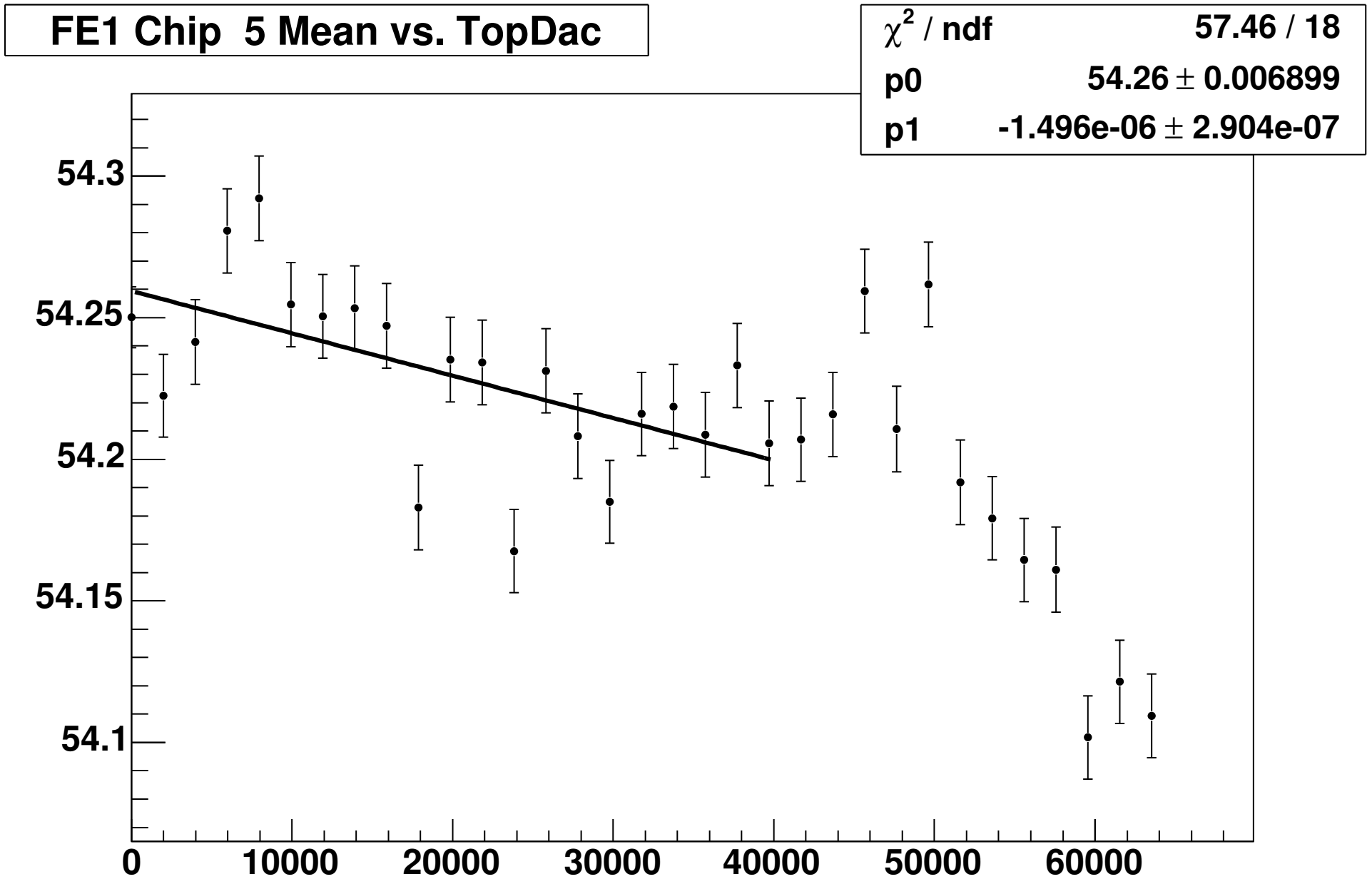

FE1 Chip 4 Rms vs. BotDac
χ² / ndf 449.4 / 18
p0 1.354 ± 0.003919
p1 3.321e-05 ± 2.832e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

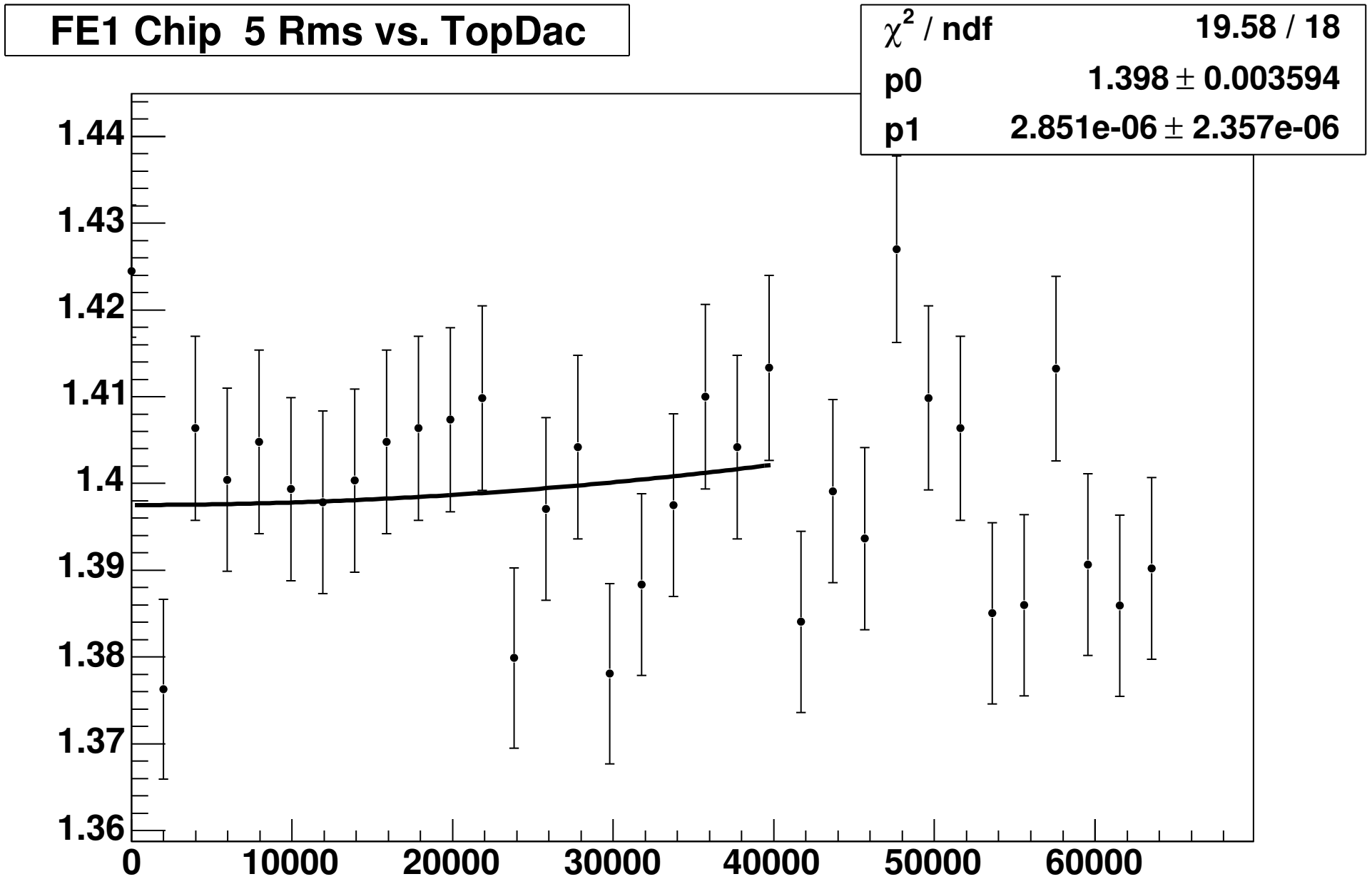

FE1 Chip 4 Mean vs. TopDac
χ² / ndf 54.39 / 18
p0 58.2 ± 0.007215
p1 -1.591e-06 ± 3.04e-07
58.25
58.2
58.15
58.1
58.05
58
0
10000
20000
30000
40000
50000
60000

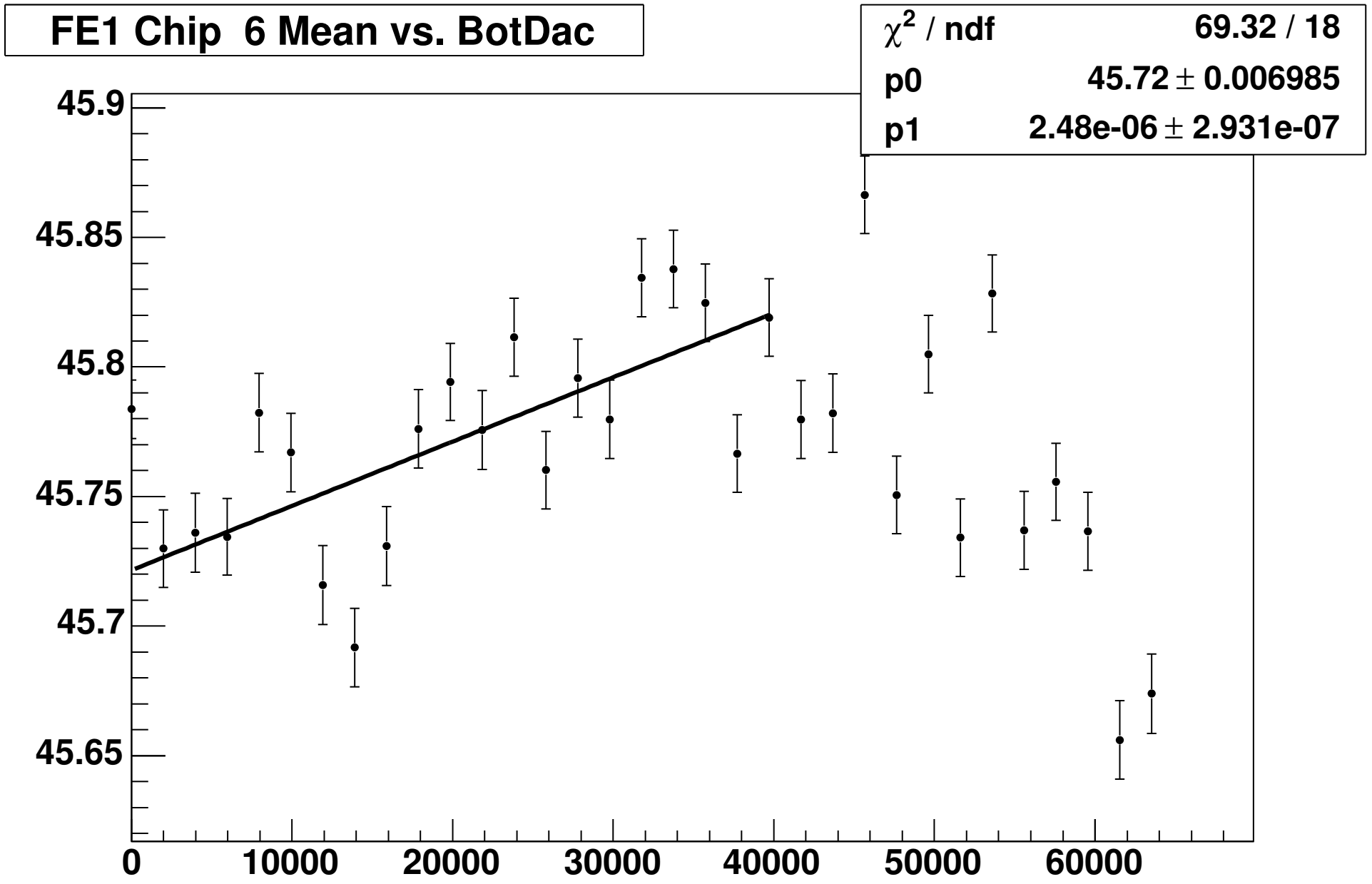

FE1 Chip 4 Rms vs. TopDac
χ² / ndf 15.7 / 18
p0 1.458 ± 0.003755
p1 4.364e-06 ± 1.686e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

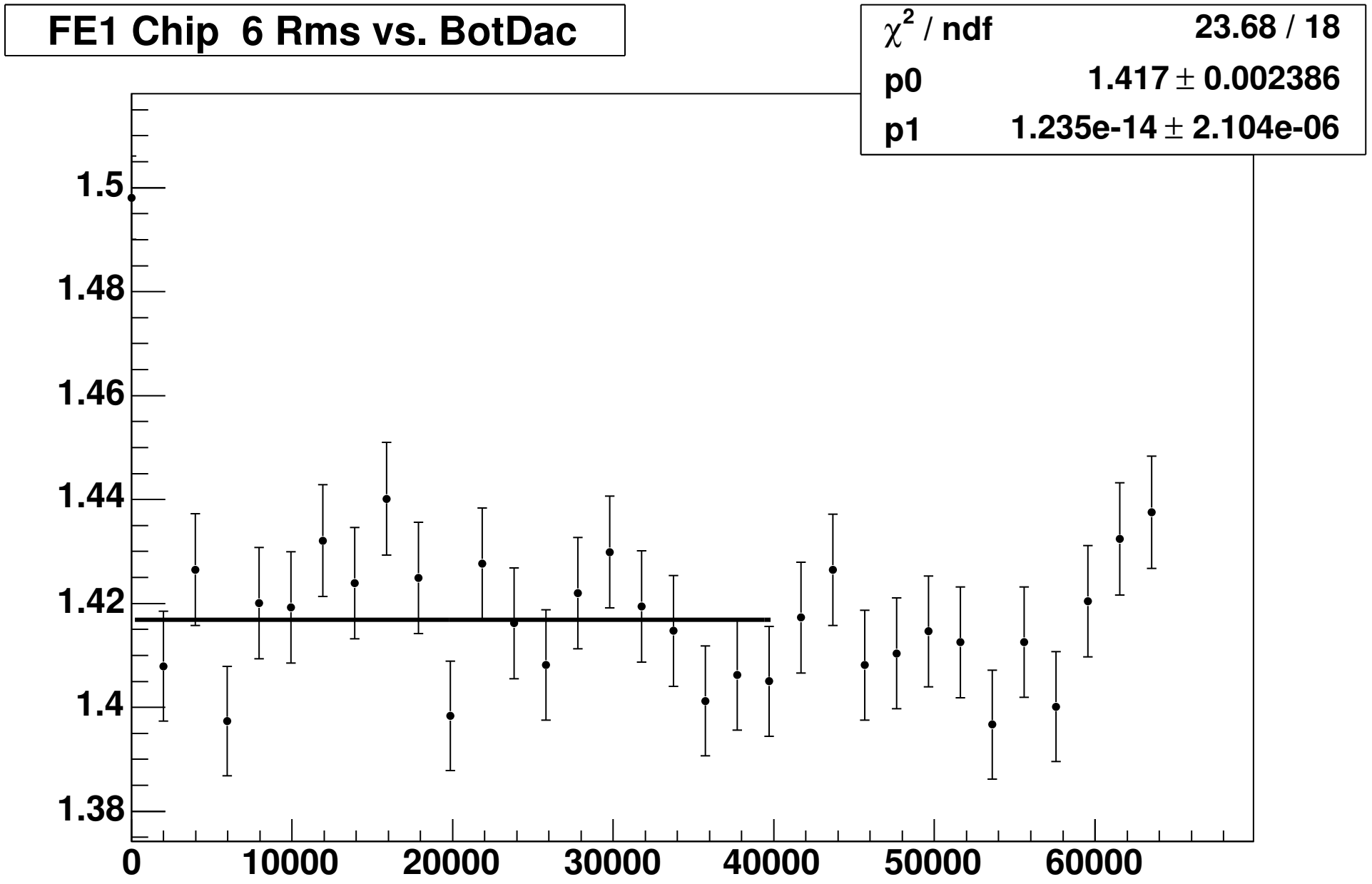

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 7.878e+04 / 18
p0 54.39 ± 0.007141
p1 0.4511 ± 3.33e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

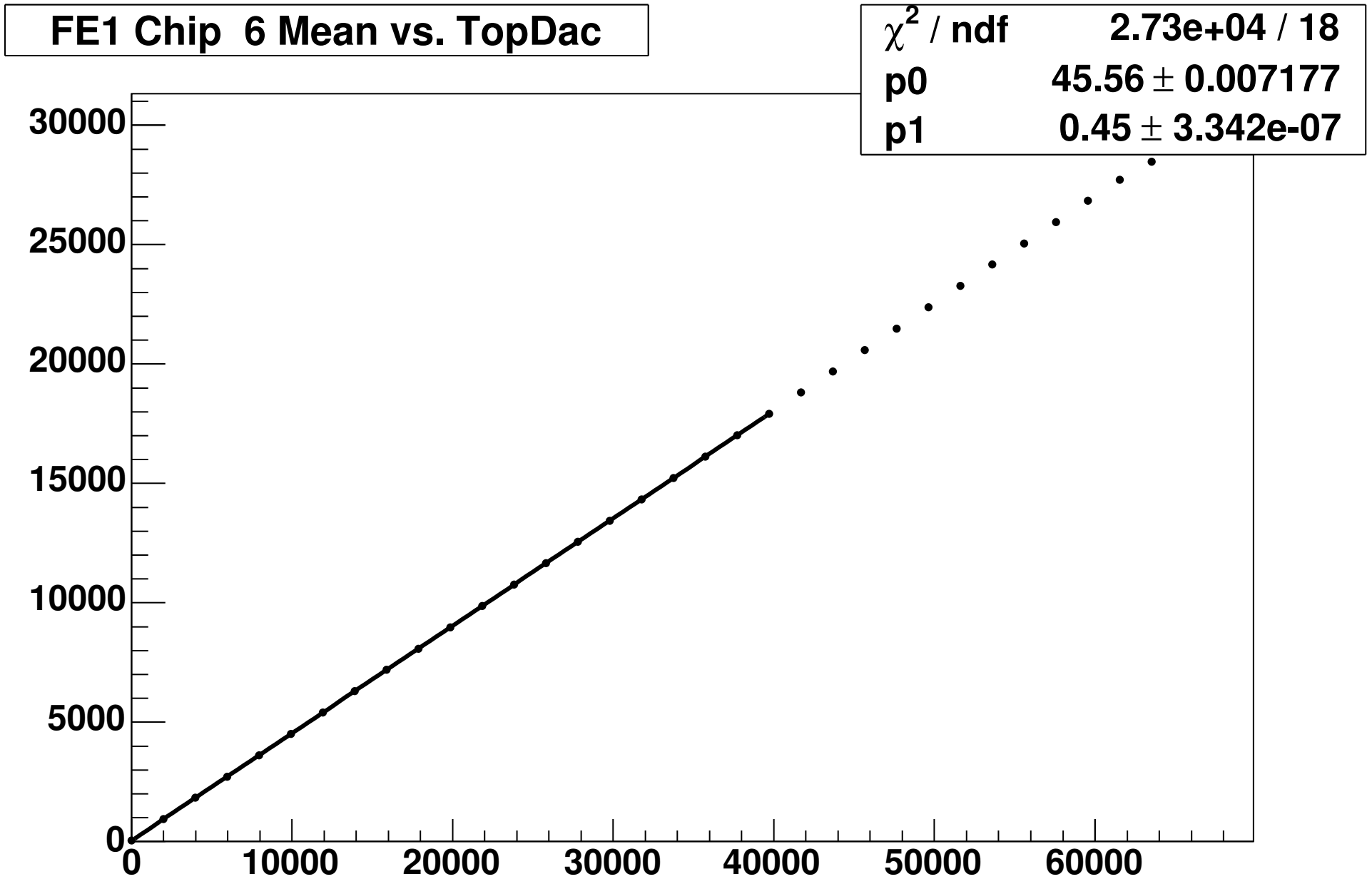

FE1 Chip 5 Rms vs. BotDac
χ² / ndf 148.3 / 18
p0 1.343 ± 0.003913
p1 3.482e-05 ± 2.74e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

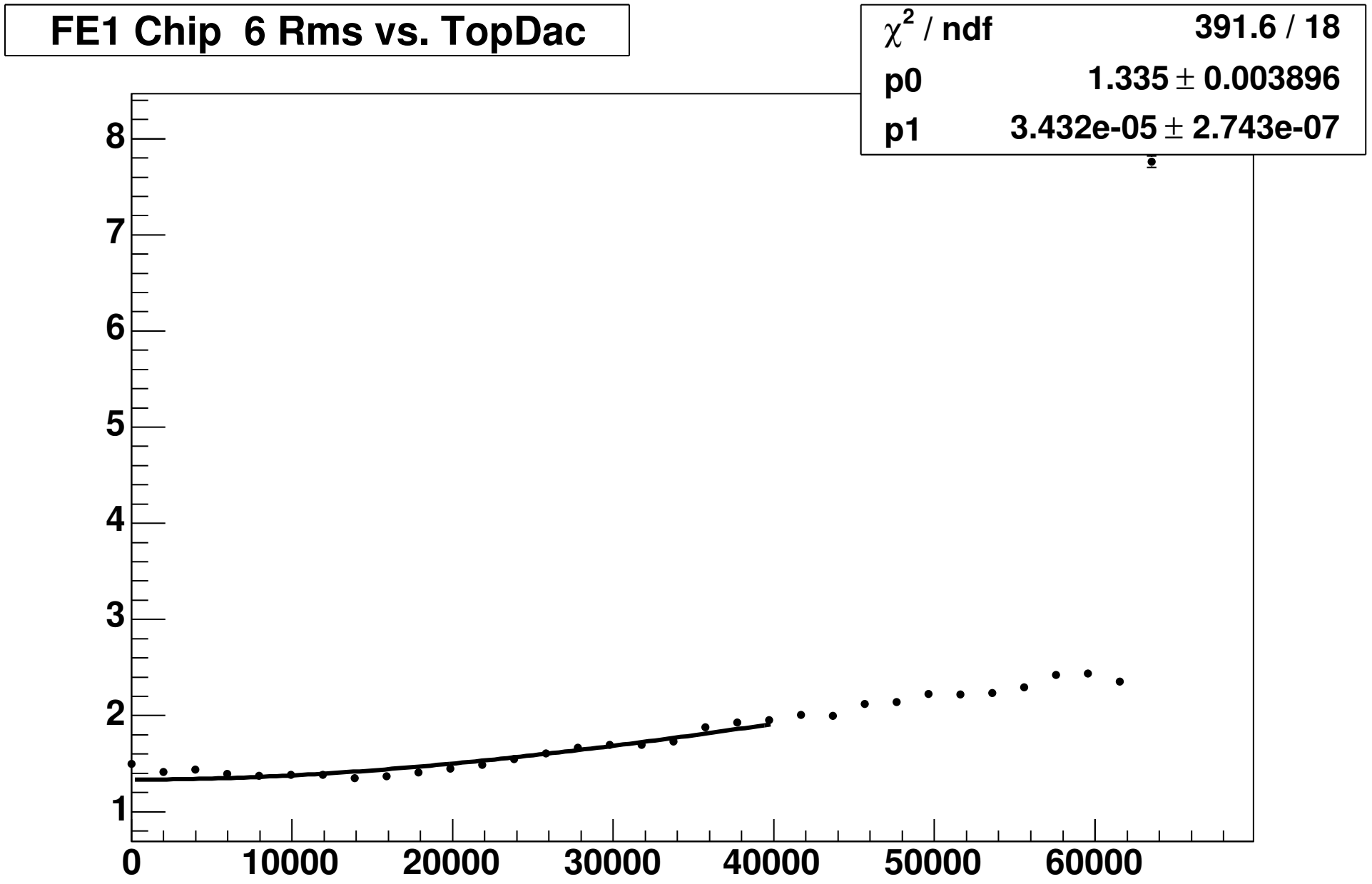

FE1 Chip 5 Mean vs. TopDac
χ² / ndf 57.46 / 18
p0 54.26 ± 0.006899
p1 -1.496e-06 ± 2.904e-07
54.3
54.25
54.2
54.15
54.1
0
10000
20000
30000
40000
50000
60000

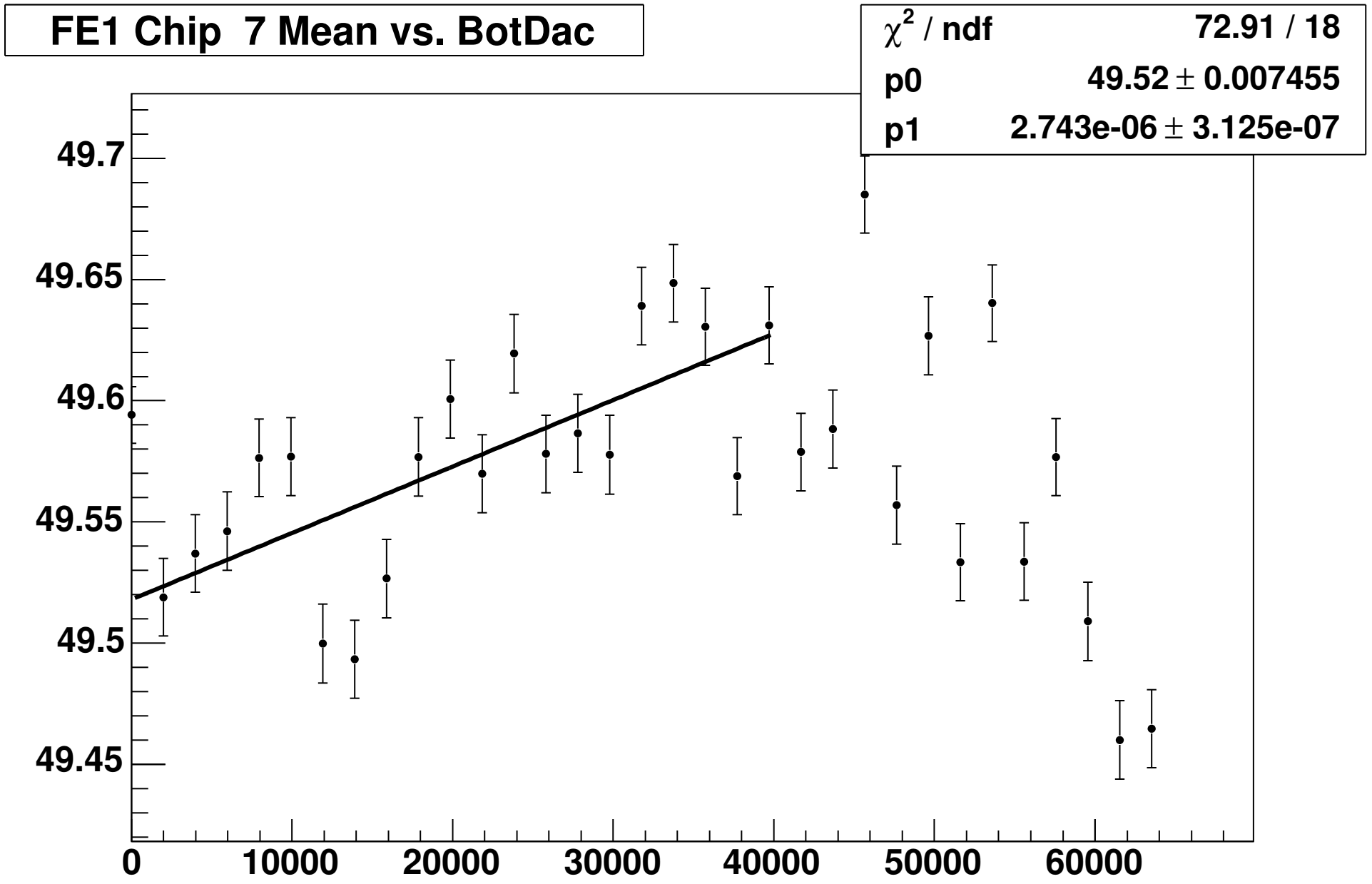

FE1 Chip 5 Rms vs. TopDac
χ² / ndf 19.58 / 18
p0 1.398 ± 0.003594
p1 2.851e-06 ± 2.357e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
20000
30000
40000
50000
60000

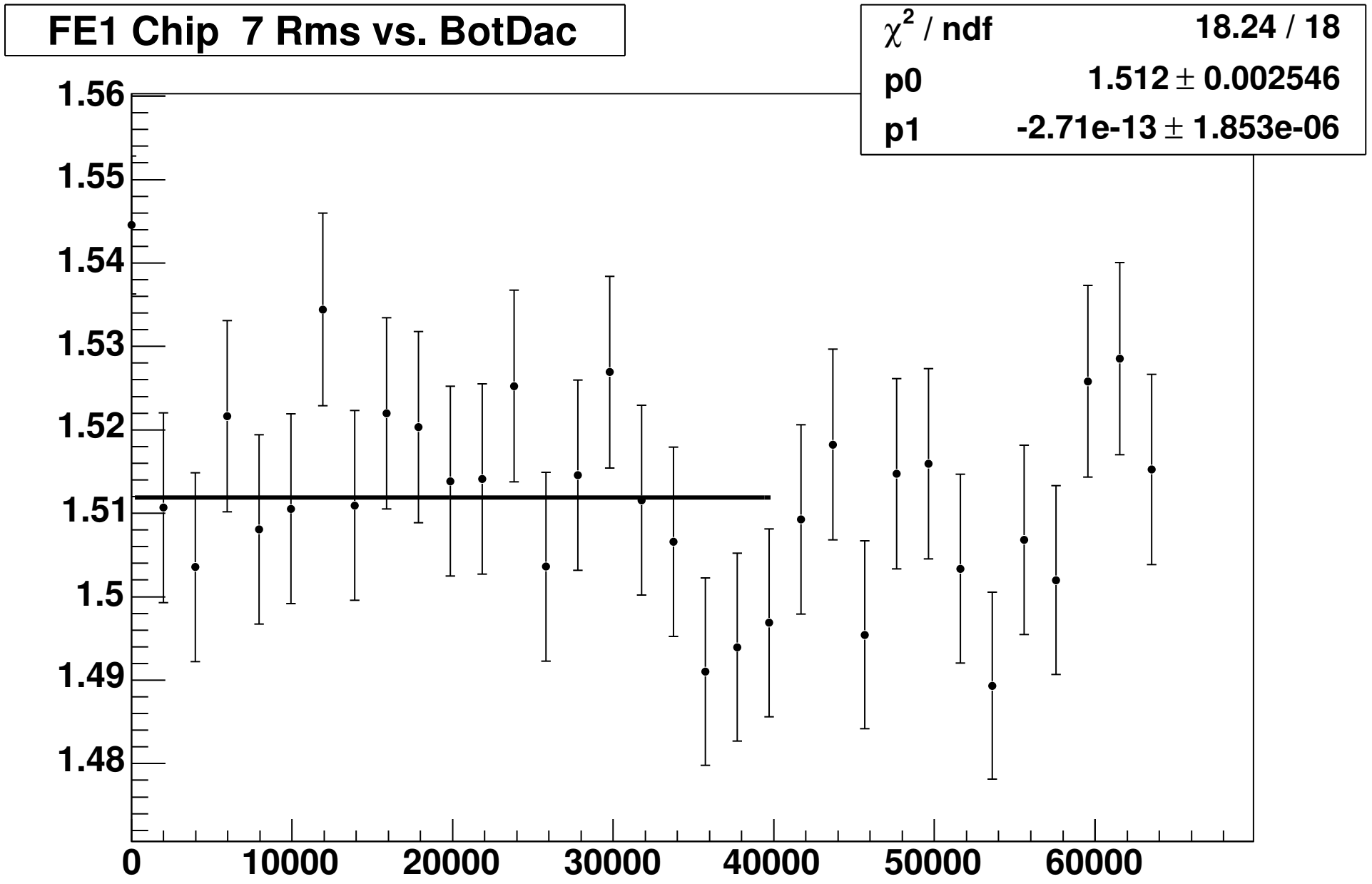

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 69.32 / 18
p0 45.72 ± 0.006985
p1 2.48e-06 ± 2.931e-07
45.9
45.85
45.8
45.75
45.7
45.65
0
10000
20000
30000
40000
50000
60000

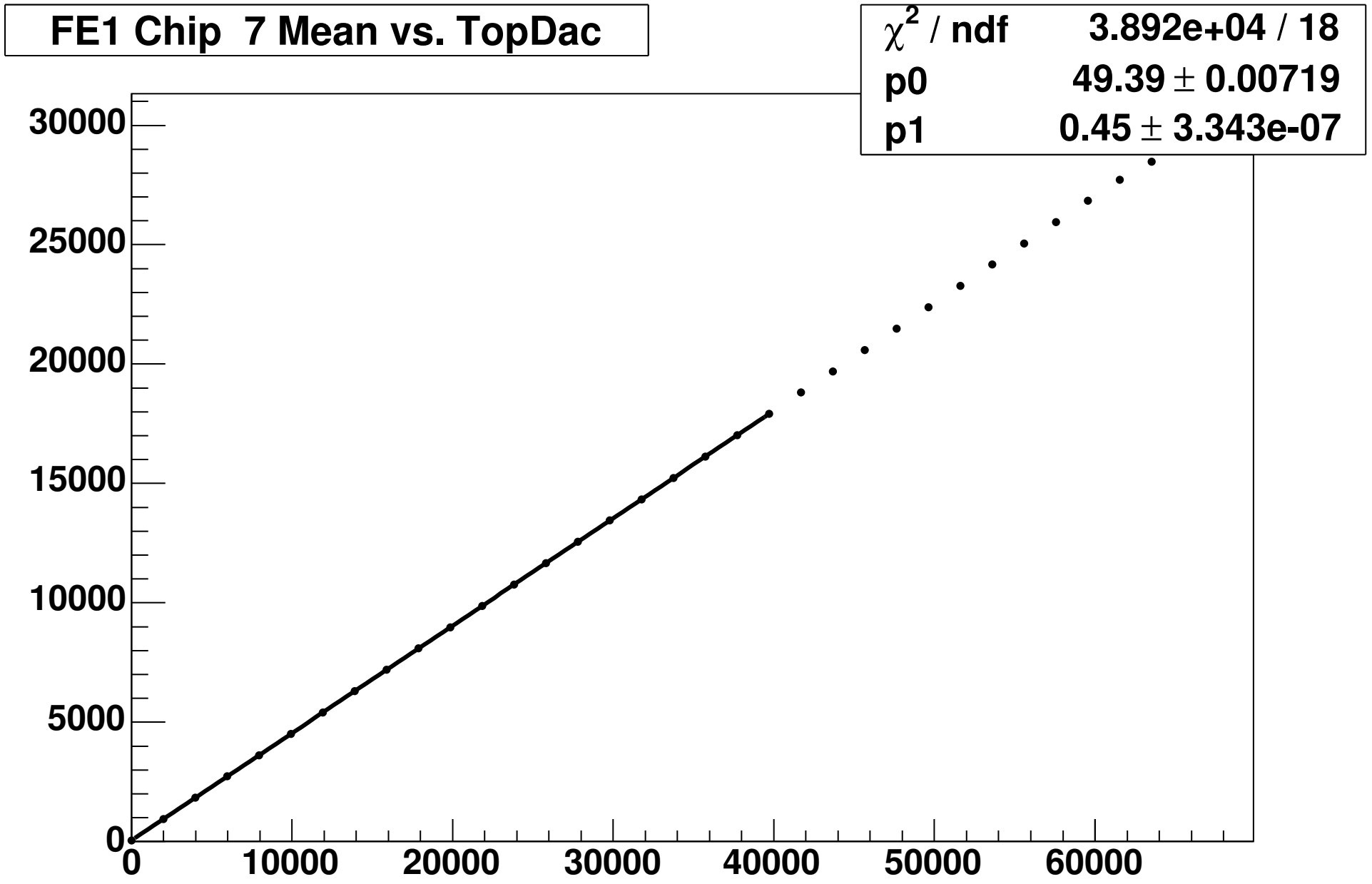

FE1 Chip 6 Rms vs. BotDac
χ² / ndf 23.68 / 18
p0 1.417 ± 0.002386
p1 1.235e-14 ± 2.104e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

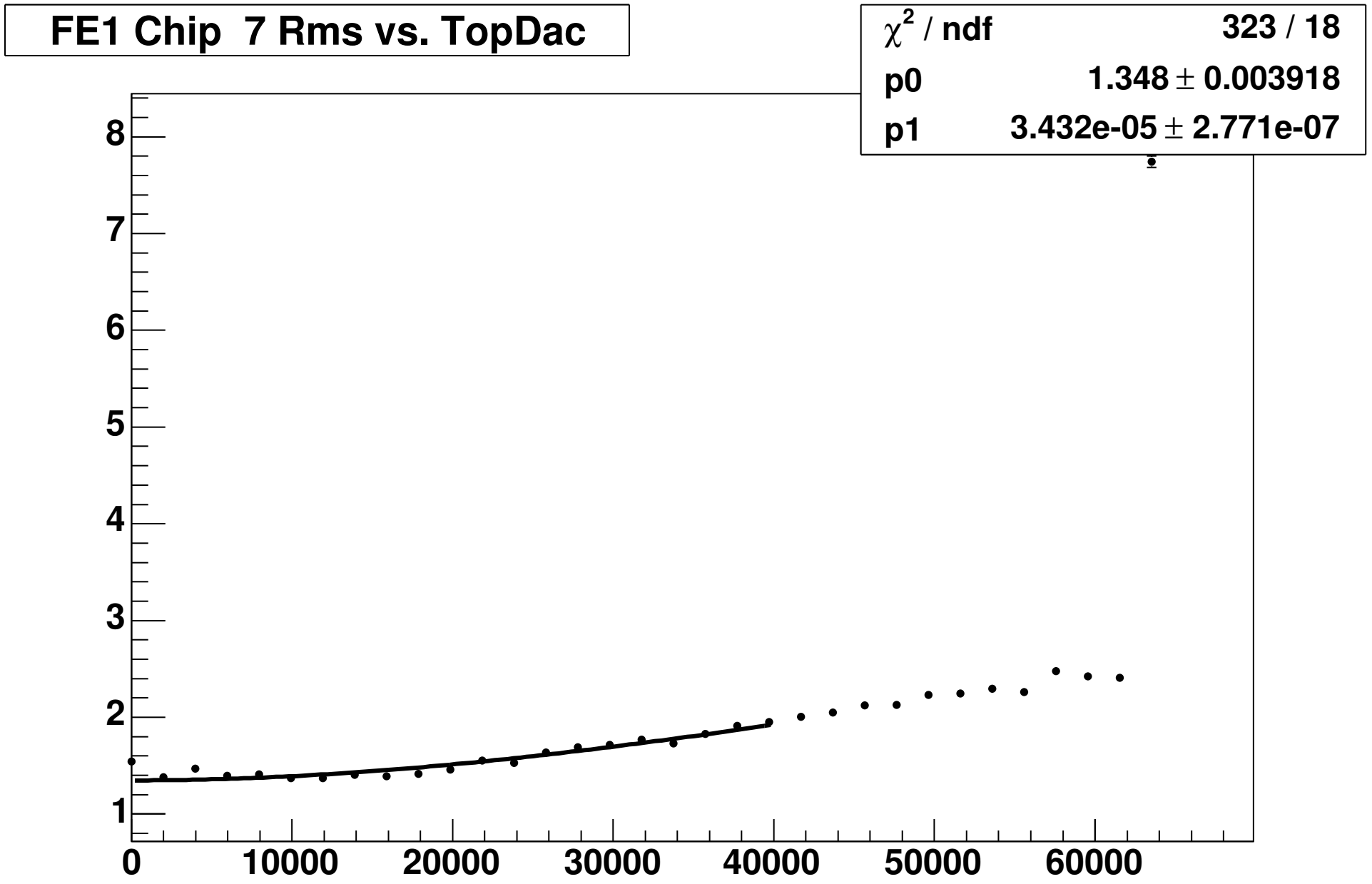

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 2.73e+04 / 18
p0 45.56 ± 0.007177
p1 0.45 ± 3.342e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

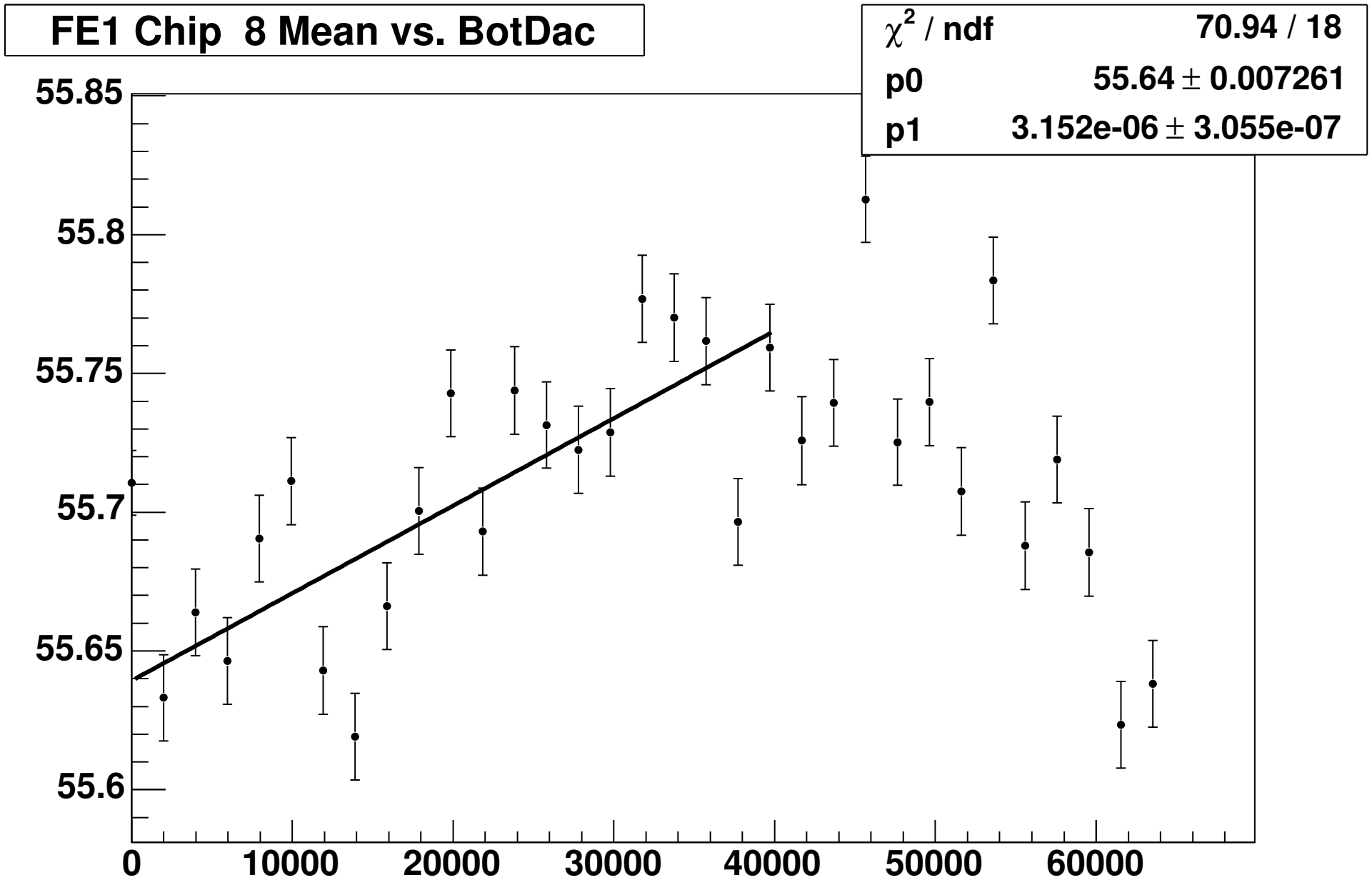

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 391.6 / 18
p0 1.335 ± 0.003896
p1 3.432e-05 ± 2.743e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

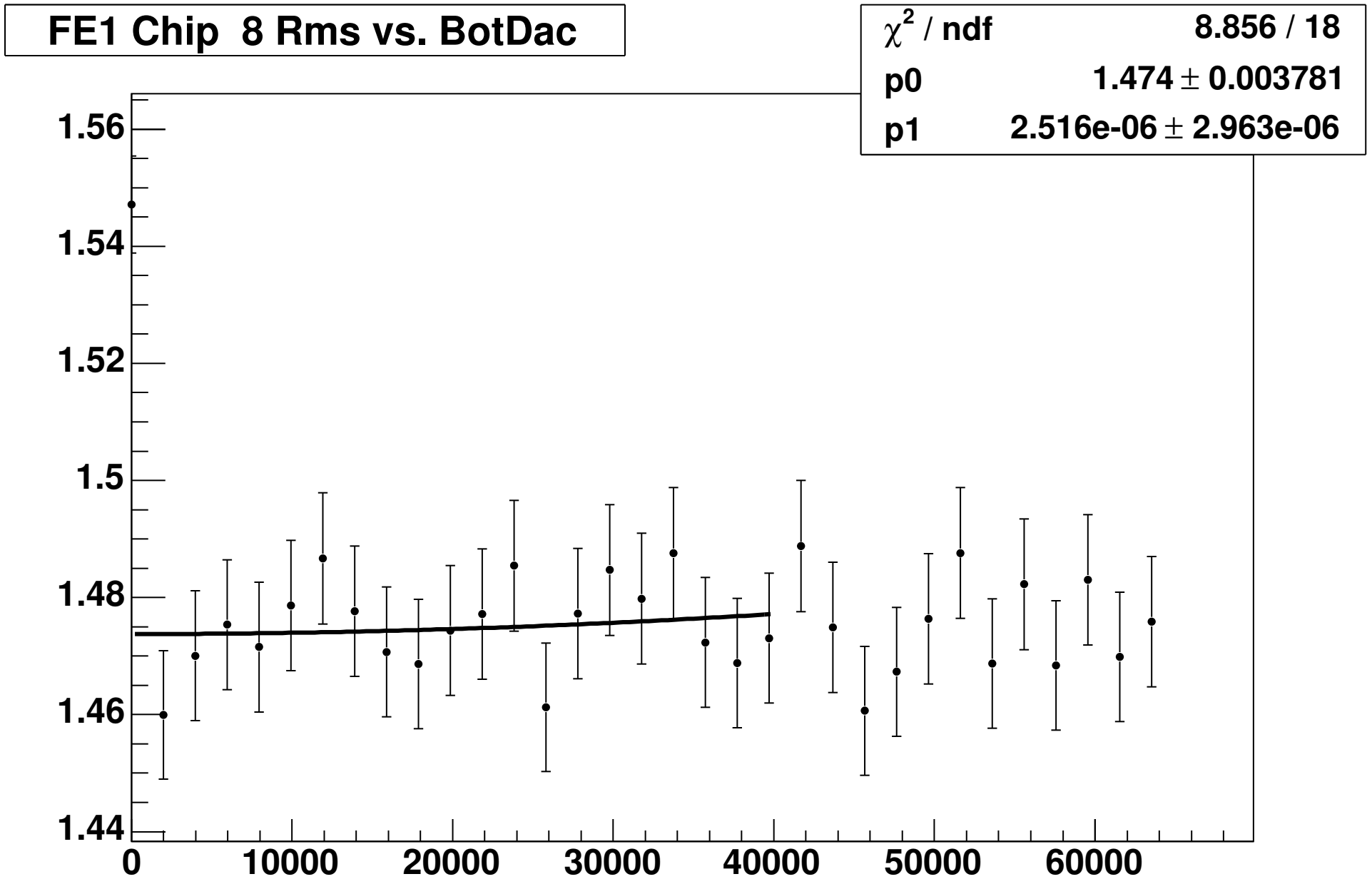

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 72.91 / 18
p0 49.52 ± 0.007455
p1 2.743e-06 ± 3.125e-07
49.7
49.65
49.6
49.55
49.5
49.45
0
10000
20000
30000
40000
50000
60000

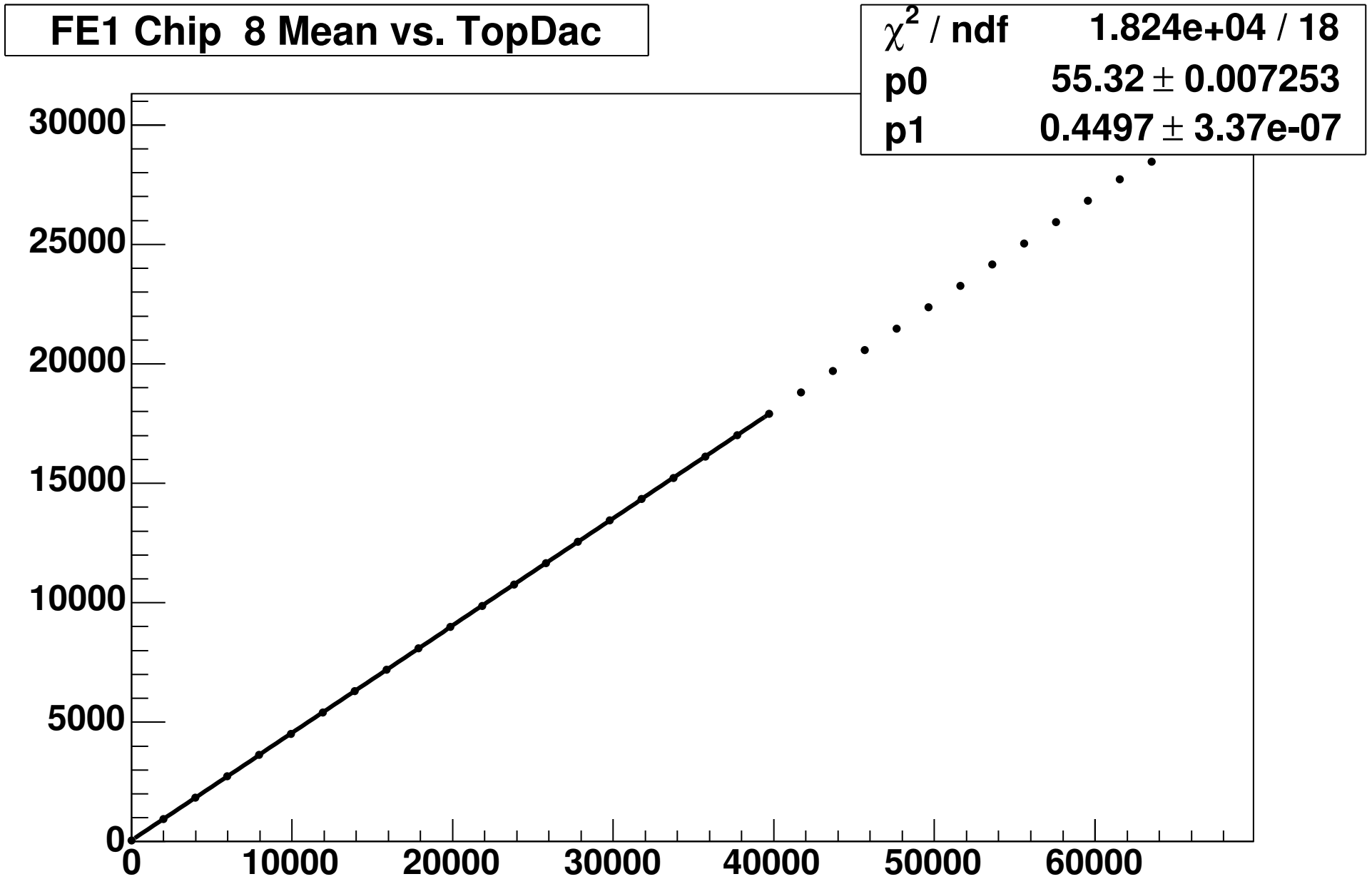

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 18.24 / 18
p0 1.512 ± 0.002546
p1 -2.71e-13 ± 1.853e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

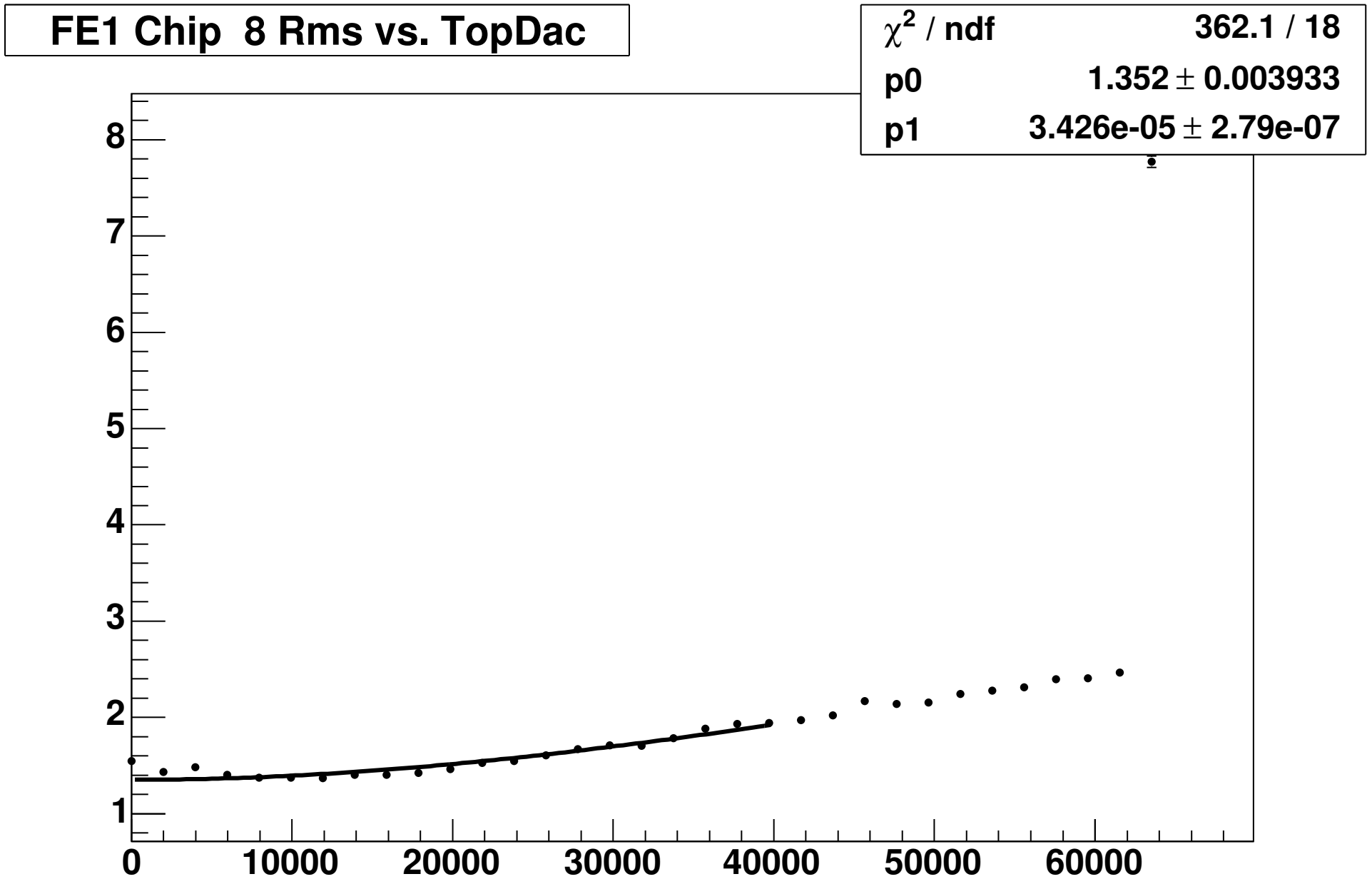

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 3.892e+04 / 18
p0 49.39 ± 0.00719
p1 0.45 ± 3.343e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

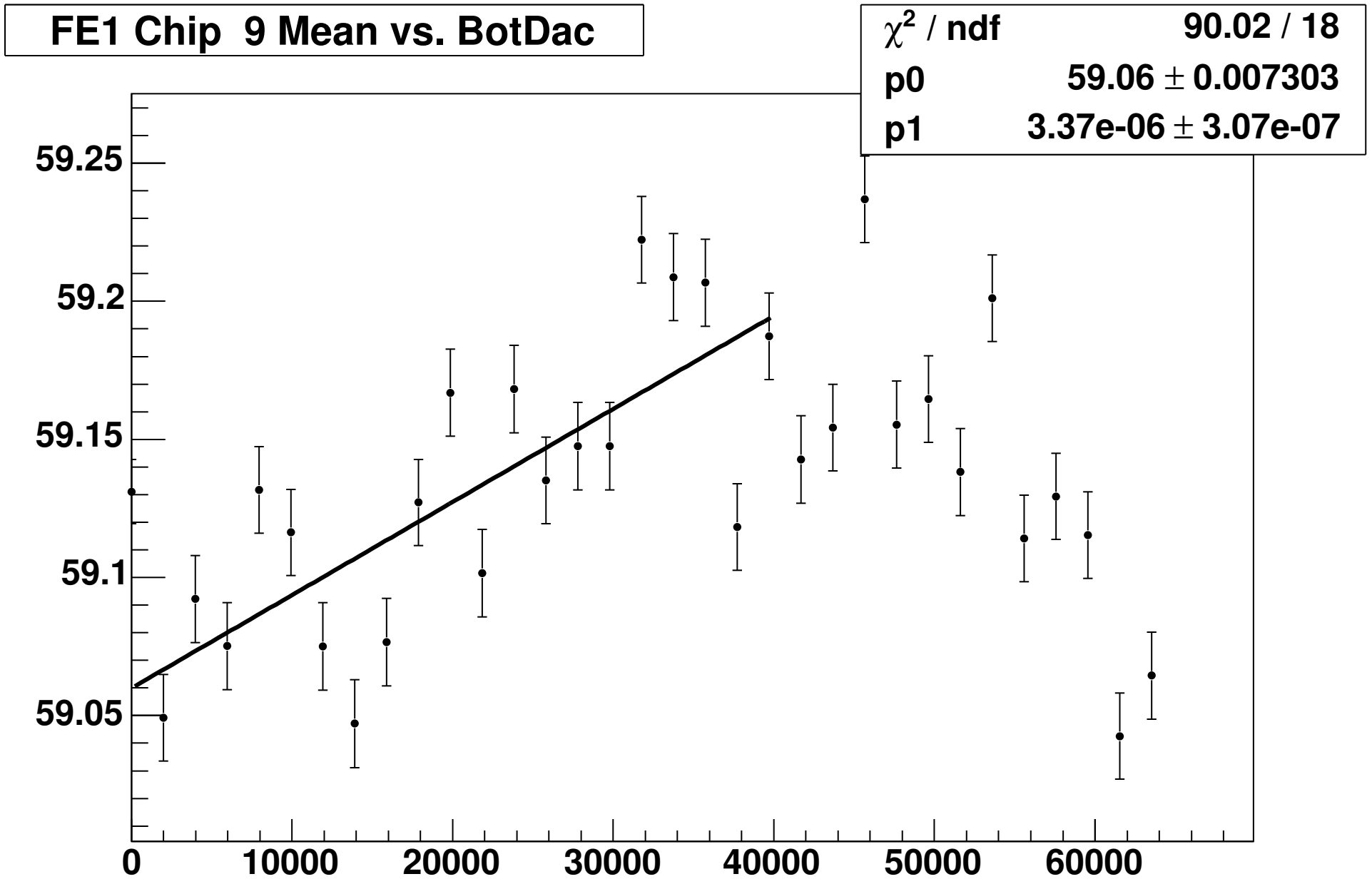

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 323 / 18
p0 1.348 ± 0.003918
p1 3.432e-05 ± 2.771e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

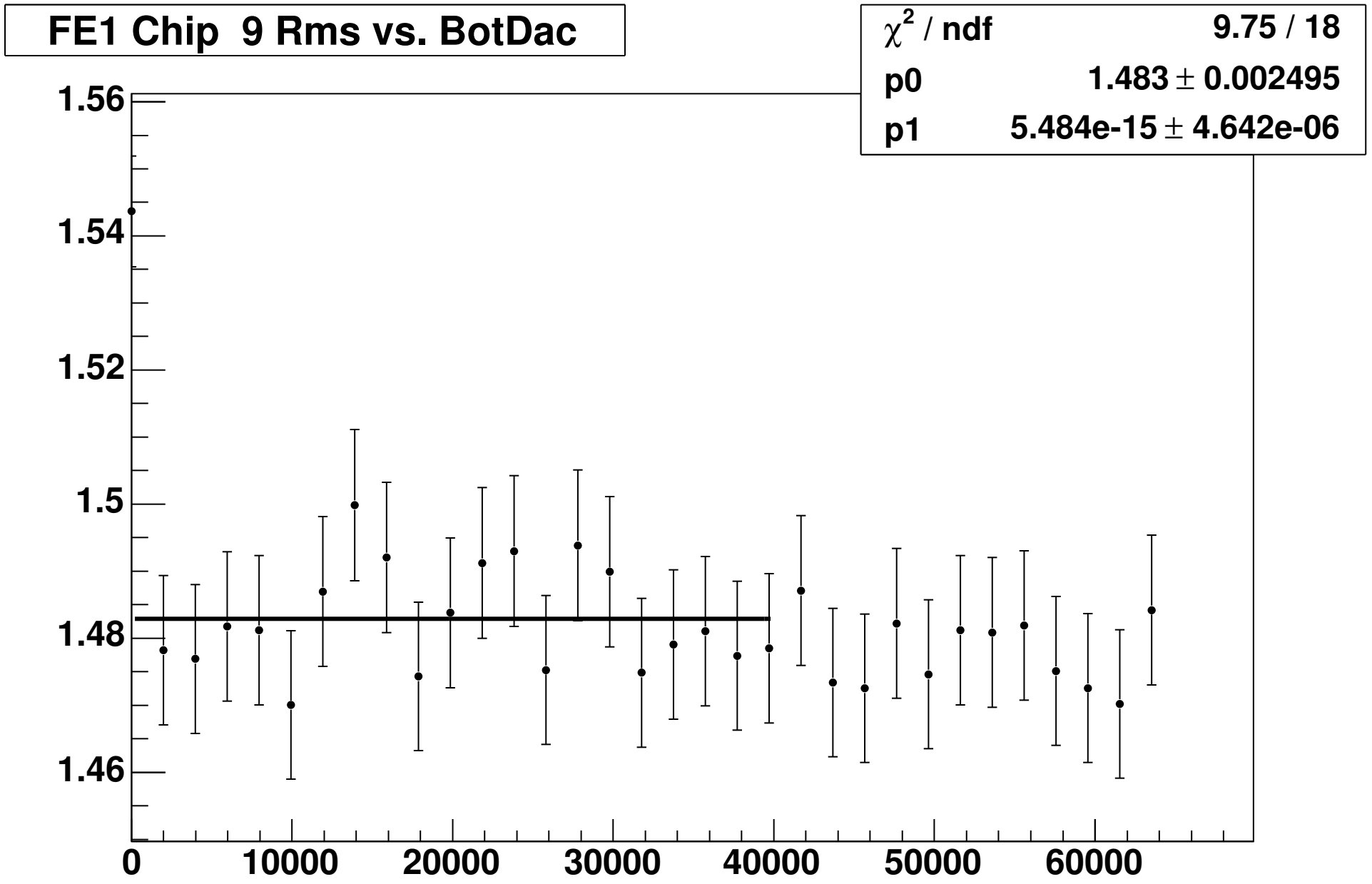

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 70.94 / 18
p0 55.64 ± 0.007261
p1 3.152e-06 ± 3.055e-07
55.85
55.8
55.75
55.7
55.65
55.6
0
10000
20000
30000
40000
50000
60000

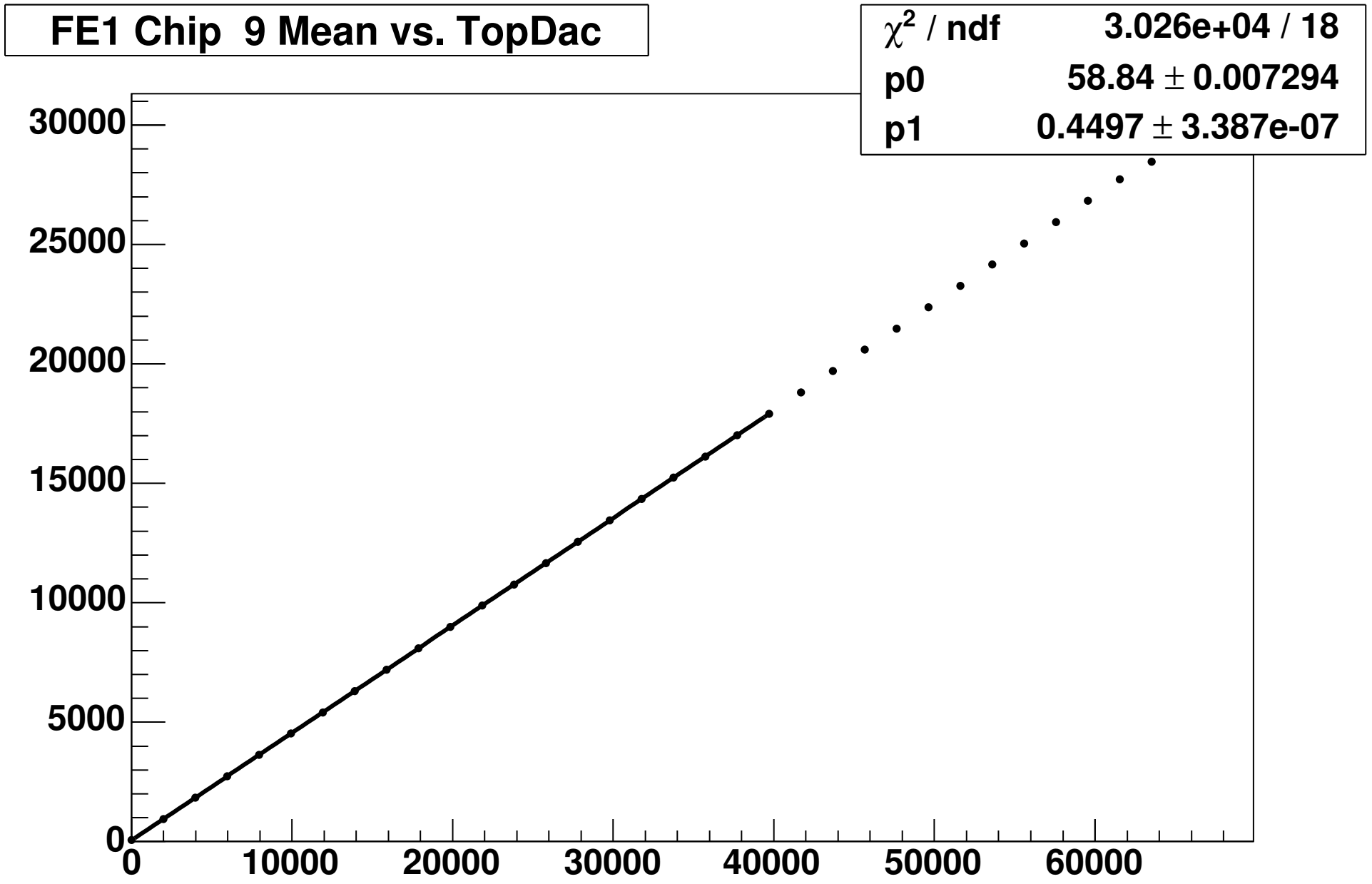

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 8.856 / 18
p0 1.474 ± 0.003781
p1 2.516e-06 ± 2.963e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

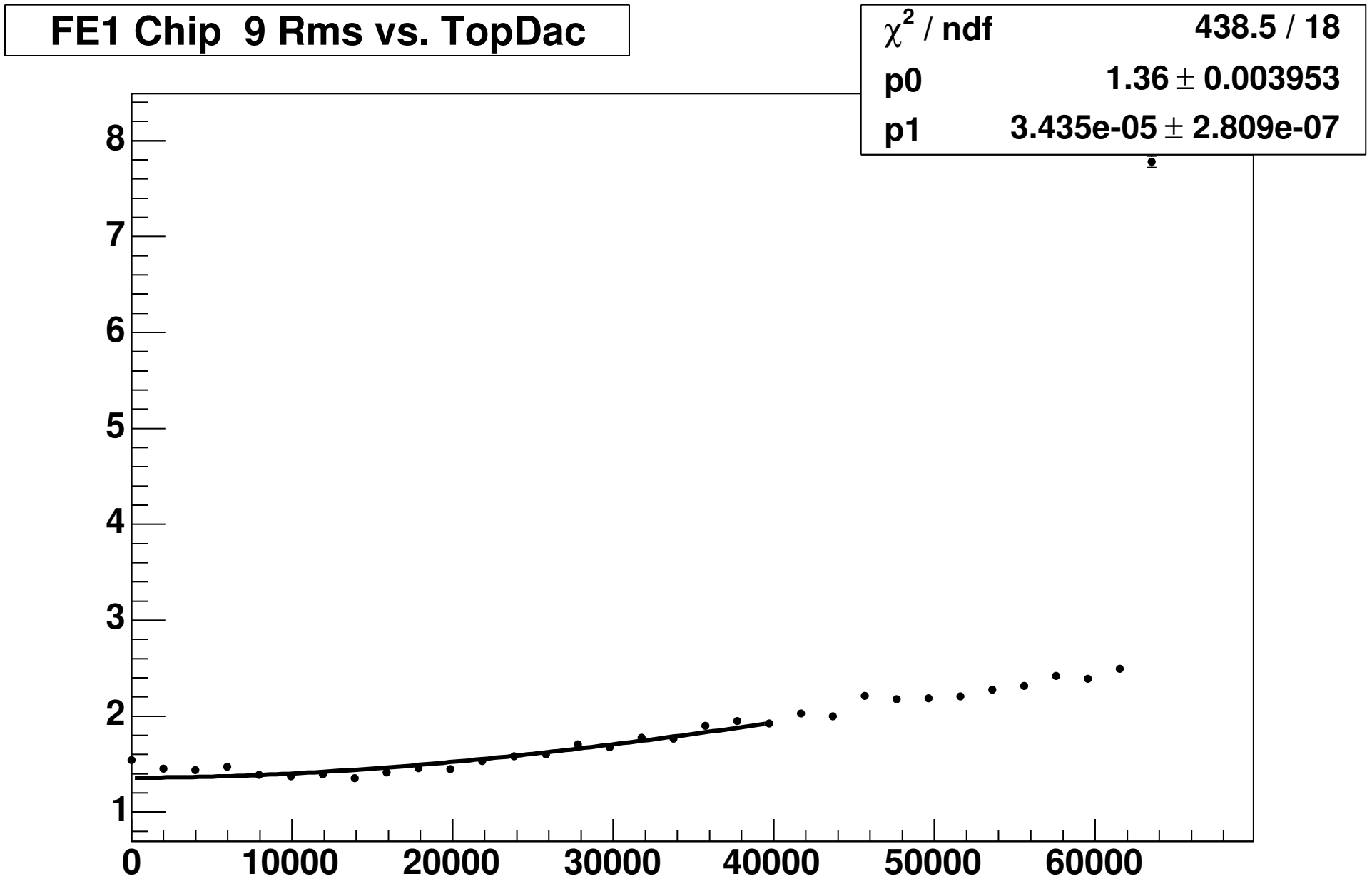

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.824e+04 / 18
p0 55.32 ± 0.007253
p1 0.4497 ± 3.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

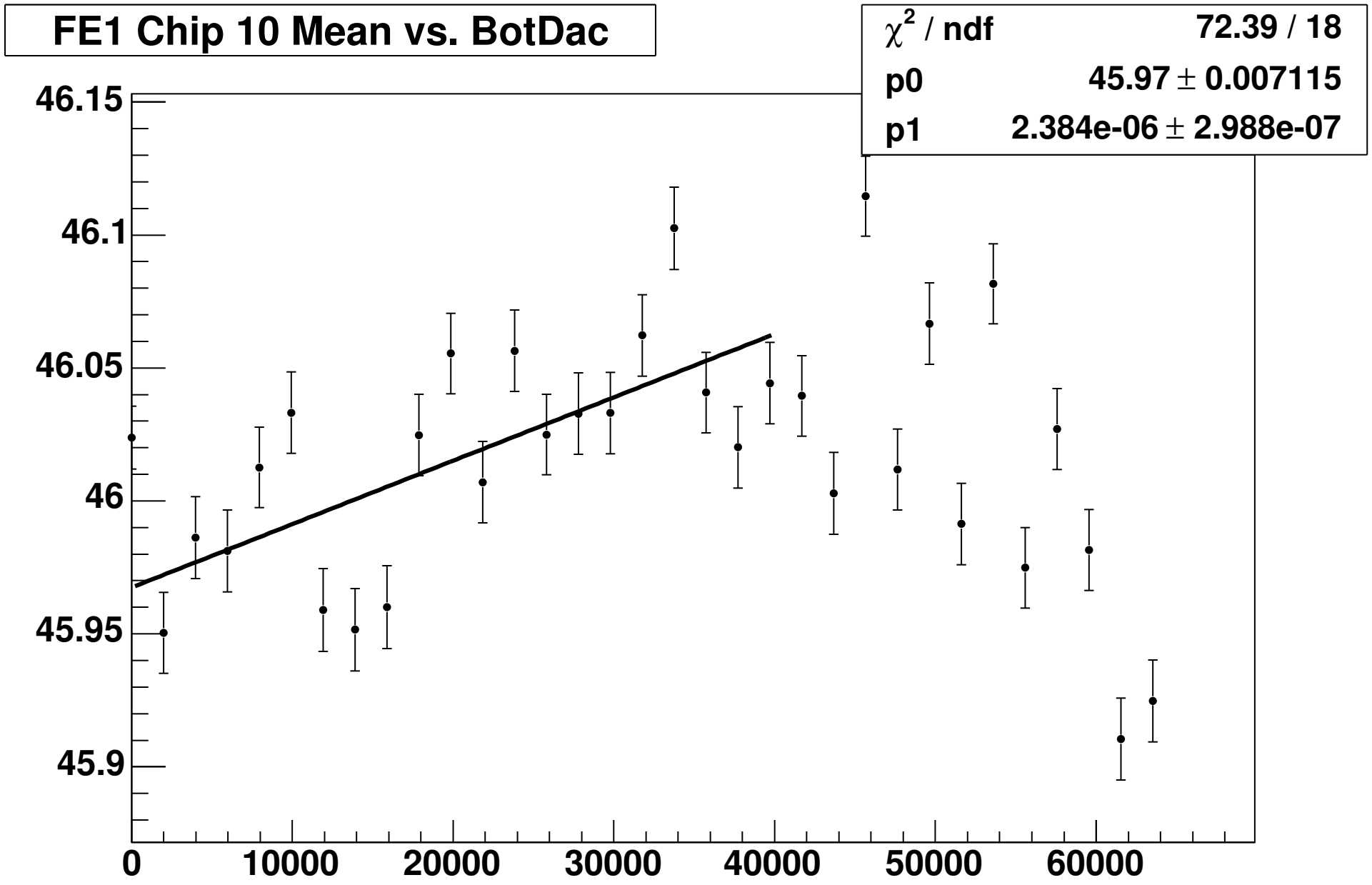

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 362.1 / 18
p0 1.352 ± 0.003933
p1 3.426e-05 ± 2.79e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

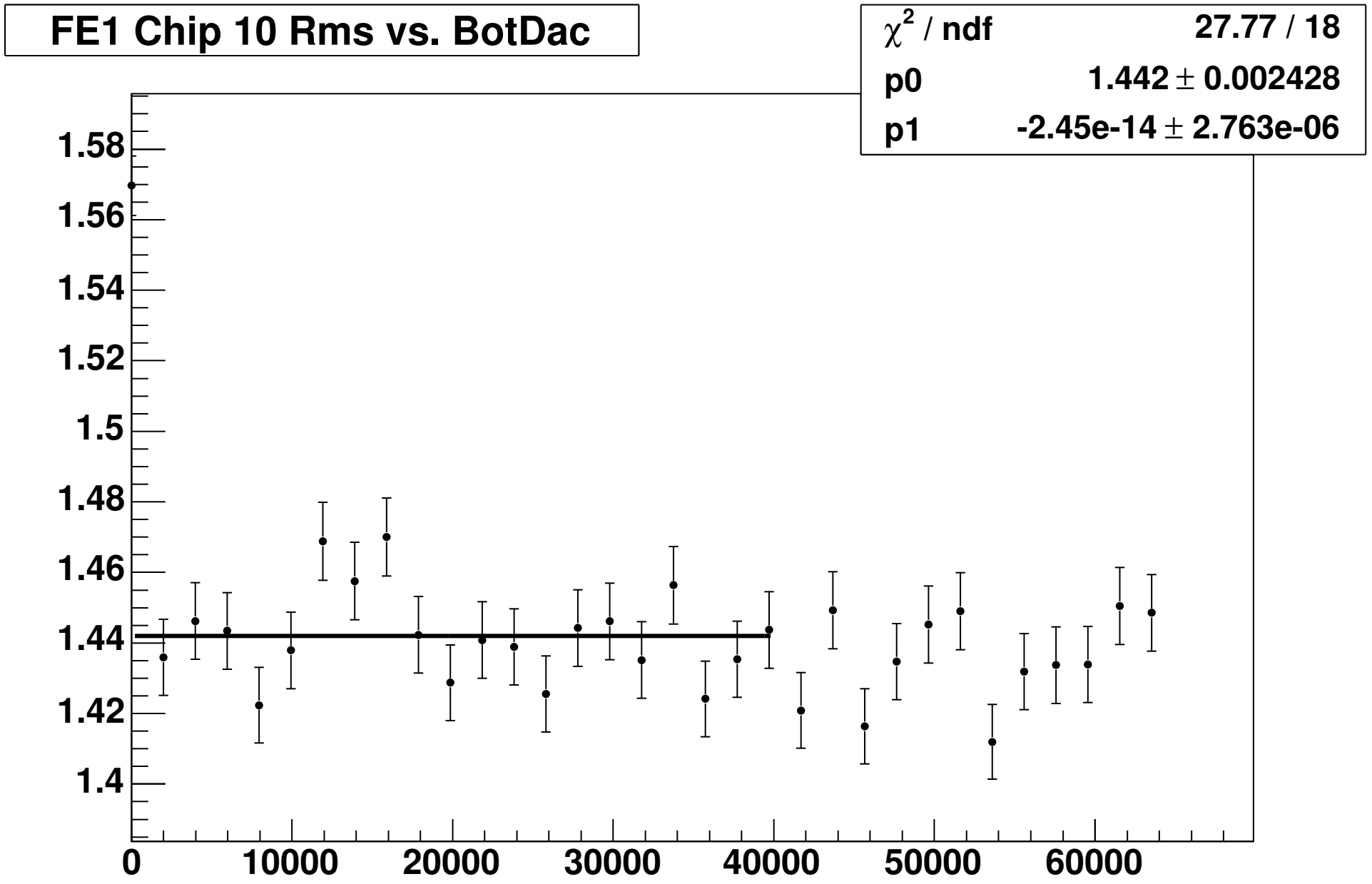

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 90.02 / 18
p0 59.06 ± 0.007303
p1 3.37e-06 ± 3.07e-07
59.25
59.2
59.15
59.1
59.05
0
10000
20000
30000
40000
50000
60000

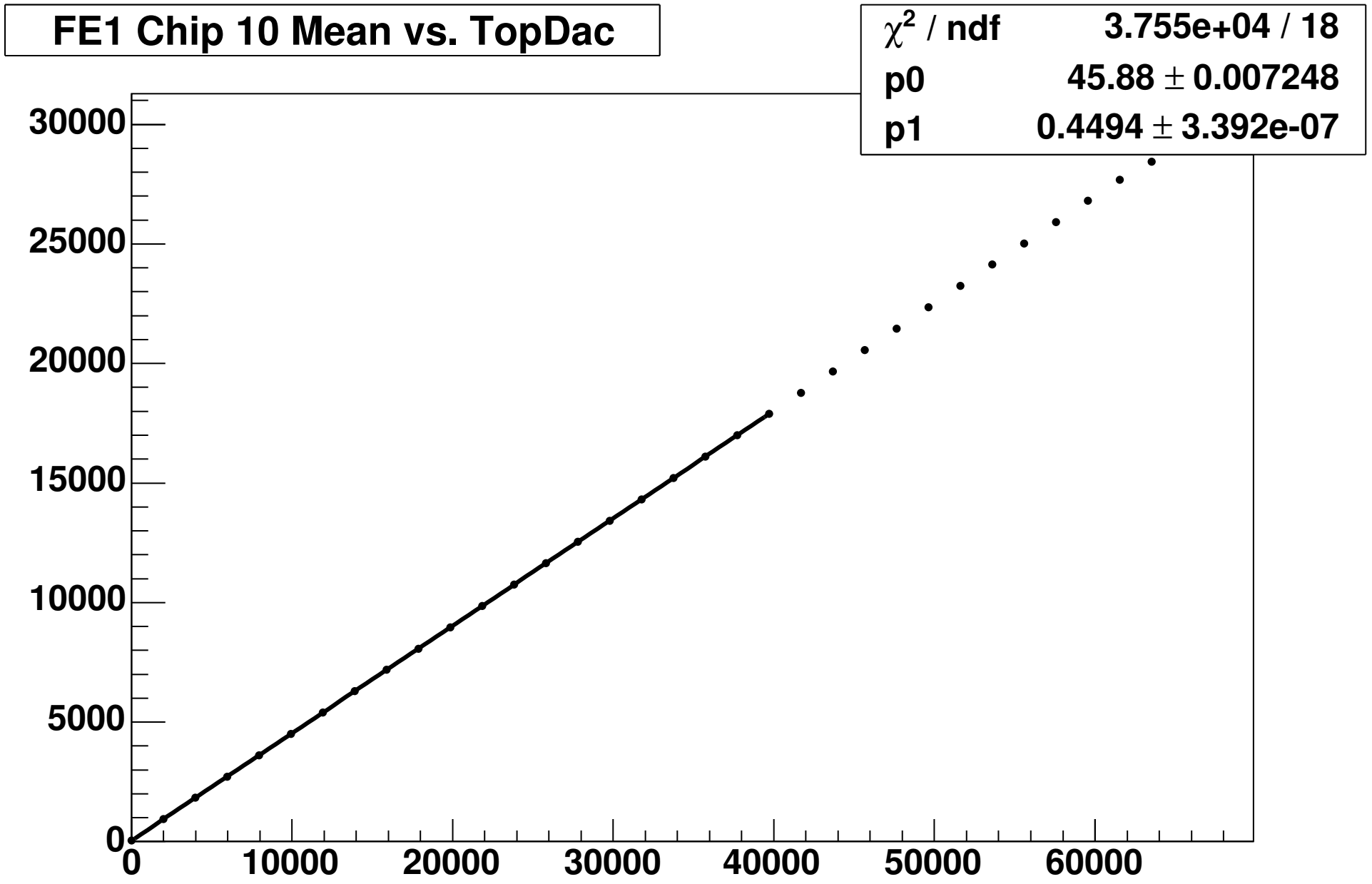

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 9.75 / 18
p0 1.483 ± 0.002495
p1 5.484e-15 ± 4.642e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

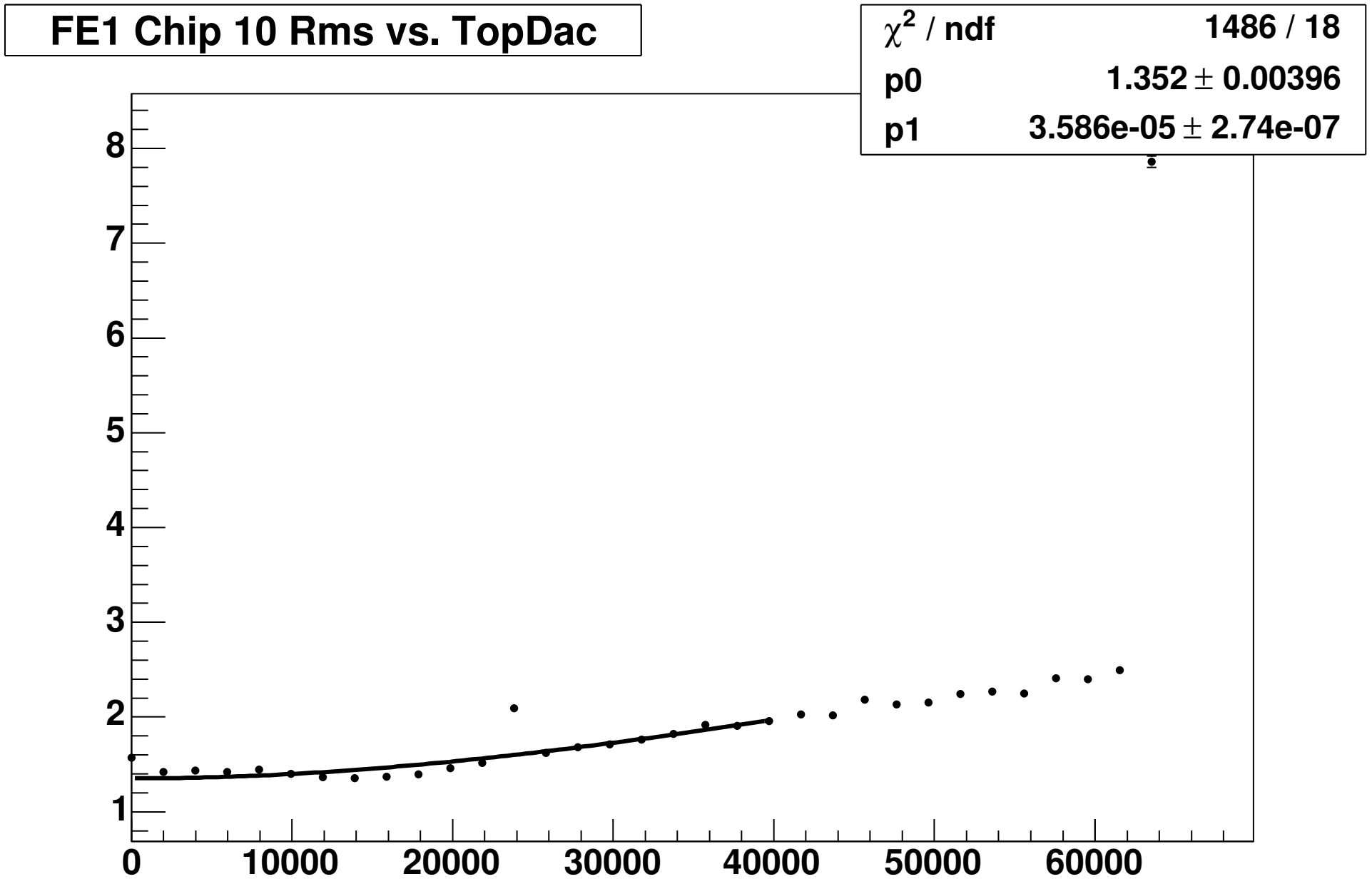

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 3.026e+04 / 18
p0 58.84 ± 0.007294
p1 0.4497 ± 3.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

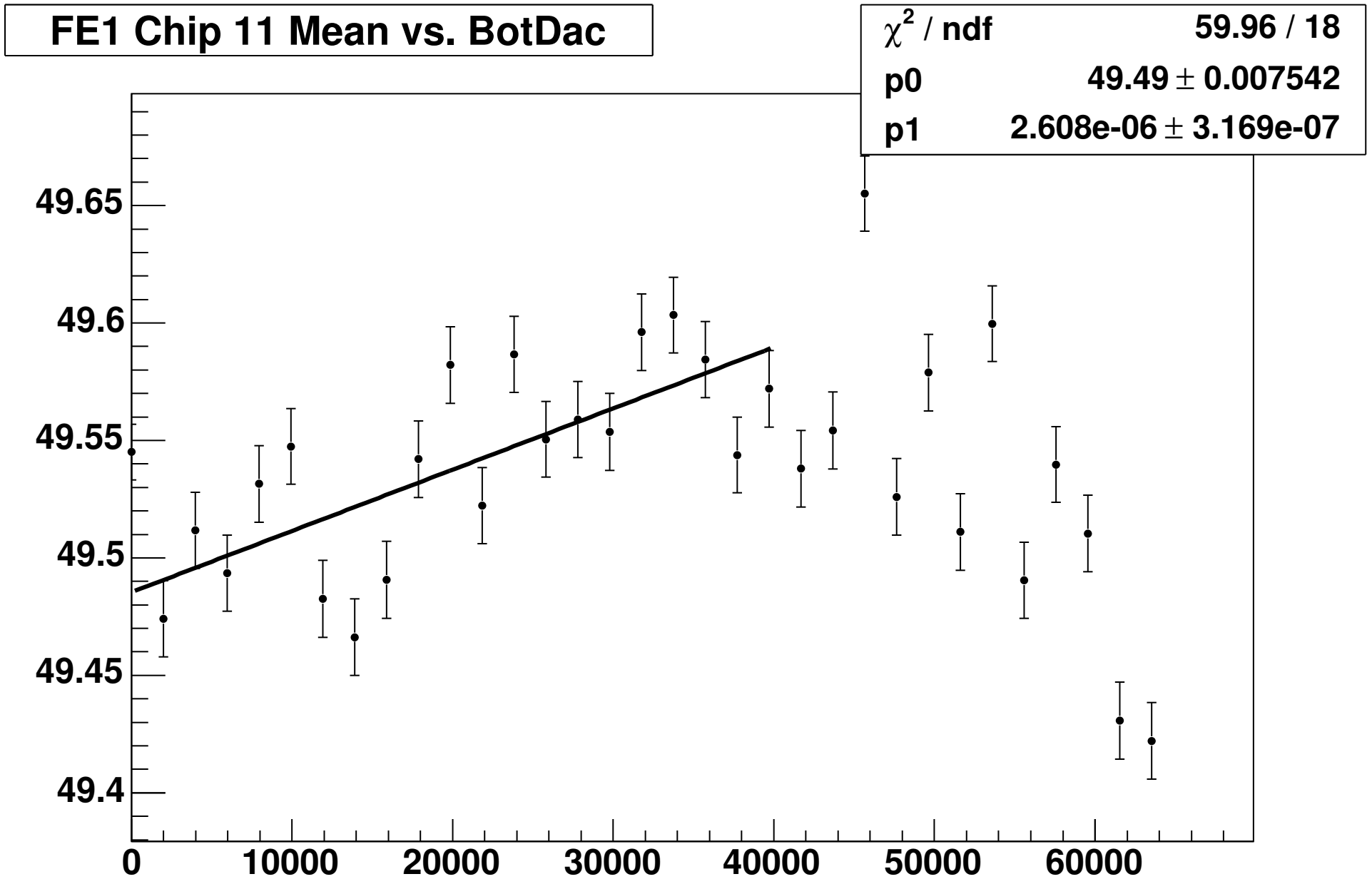

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 438.5 / 18
p0 1.36 ± 0.003953
p1 3.435e-05 ± 2.809e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

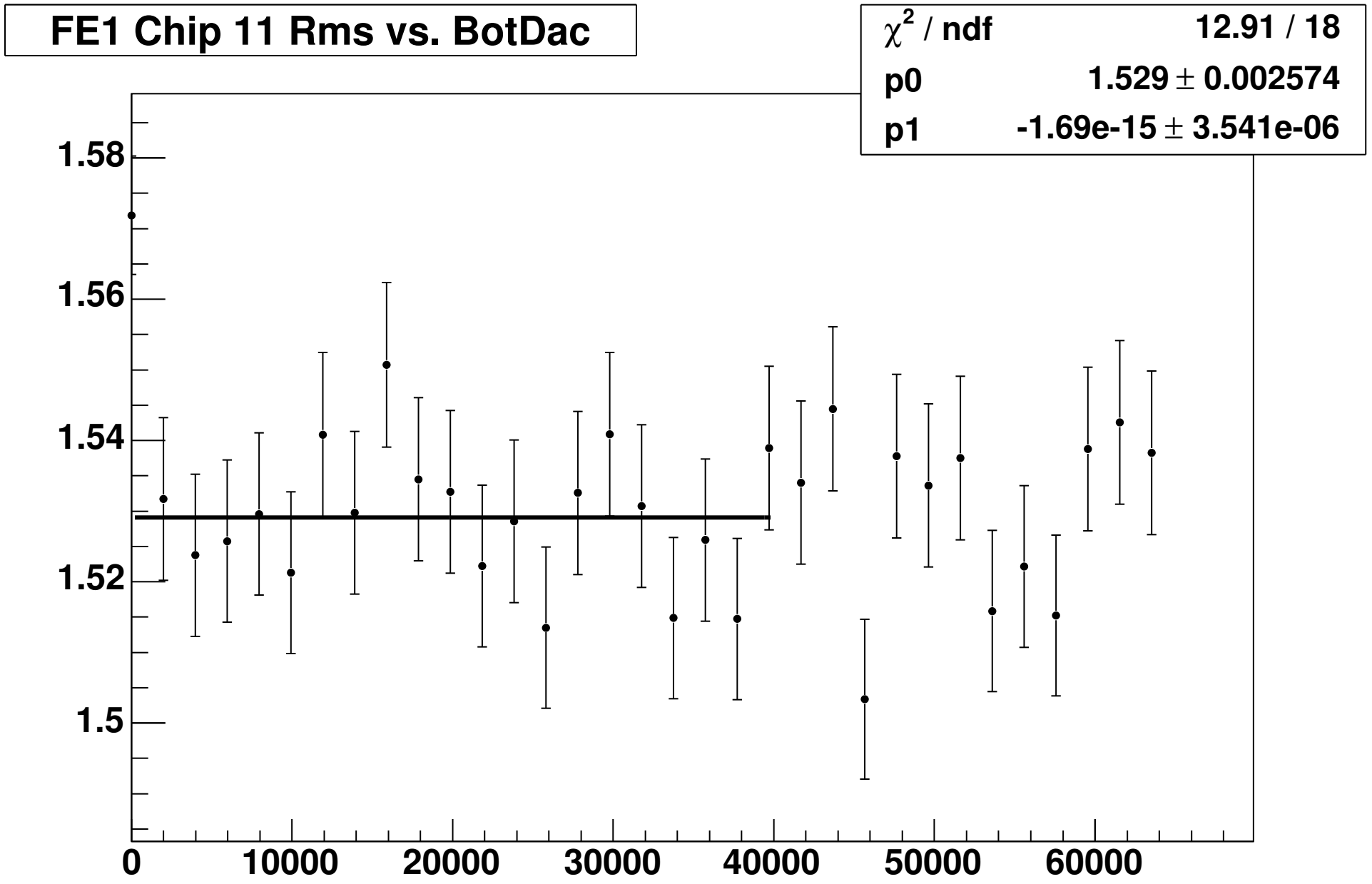

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 72.39 / 18
p0 45.97 ± 0.007115
p1 2.384e-06 ± 2.988e-07
46.15
46.1
46.05
46
45.95
45.9
0
10000
20000
30000
40000
50000
60000

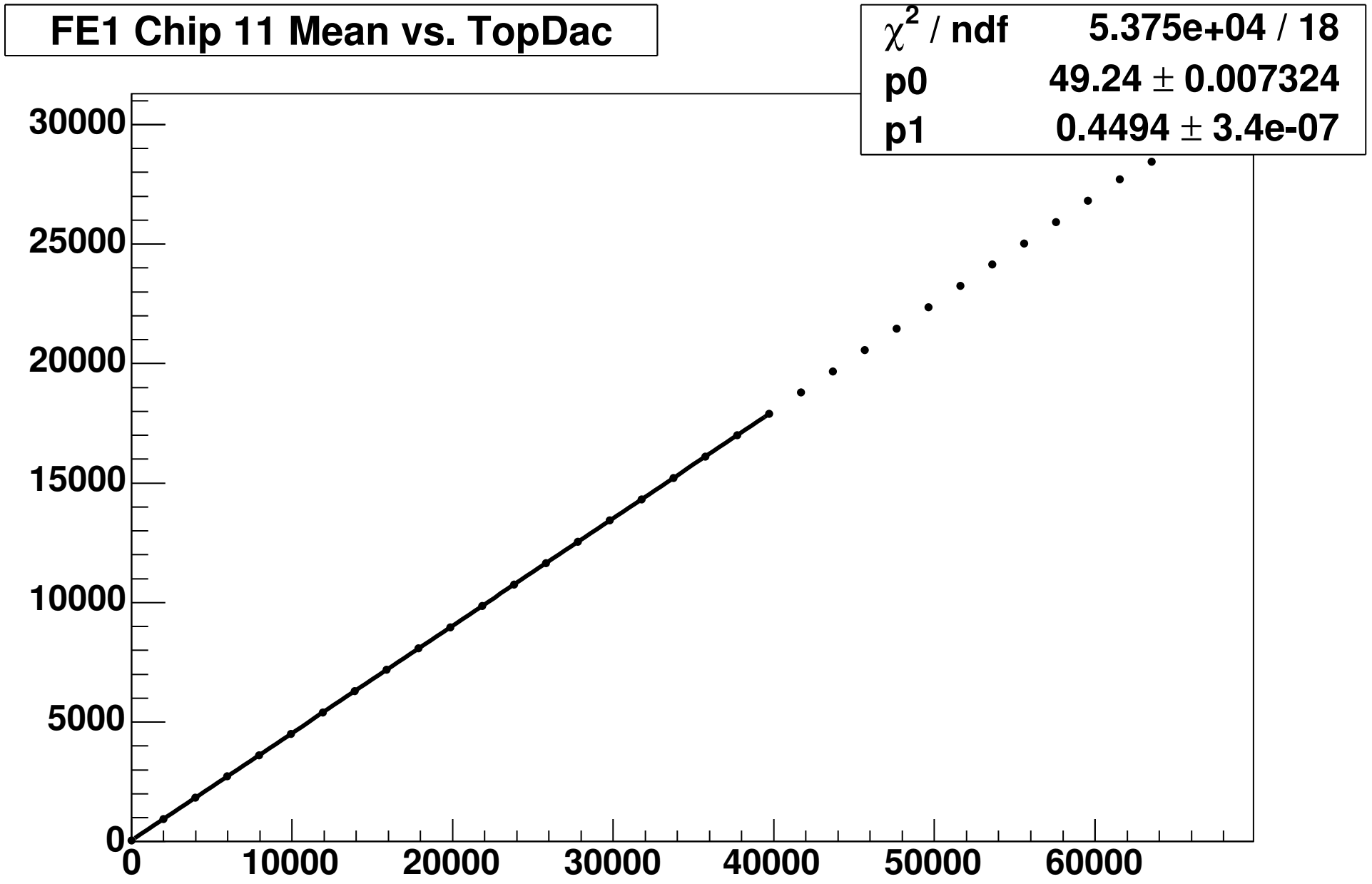

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 27.77 / 18
p0 1.442 ± 0.002428
p1 -2.45e-14 ± 2.763e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

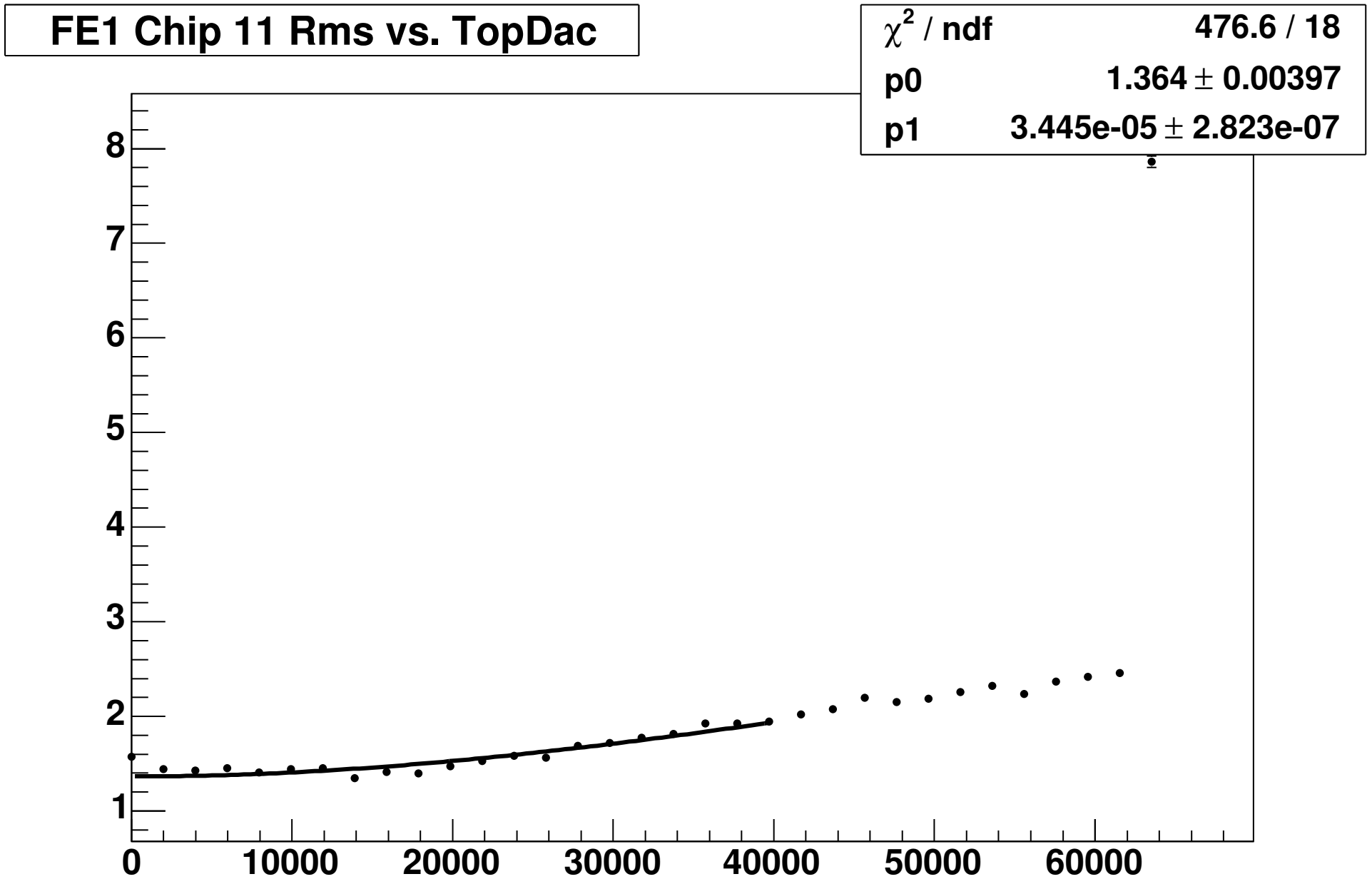

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 3.755e+04 / 18
p0 45.88 ± 0.007248
p1 0.4494 ± 3.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

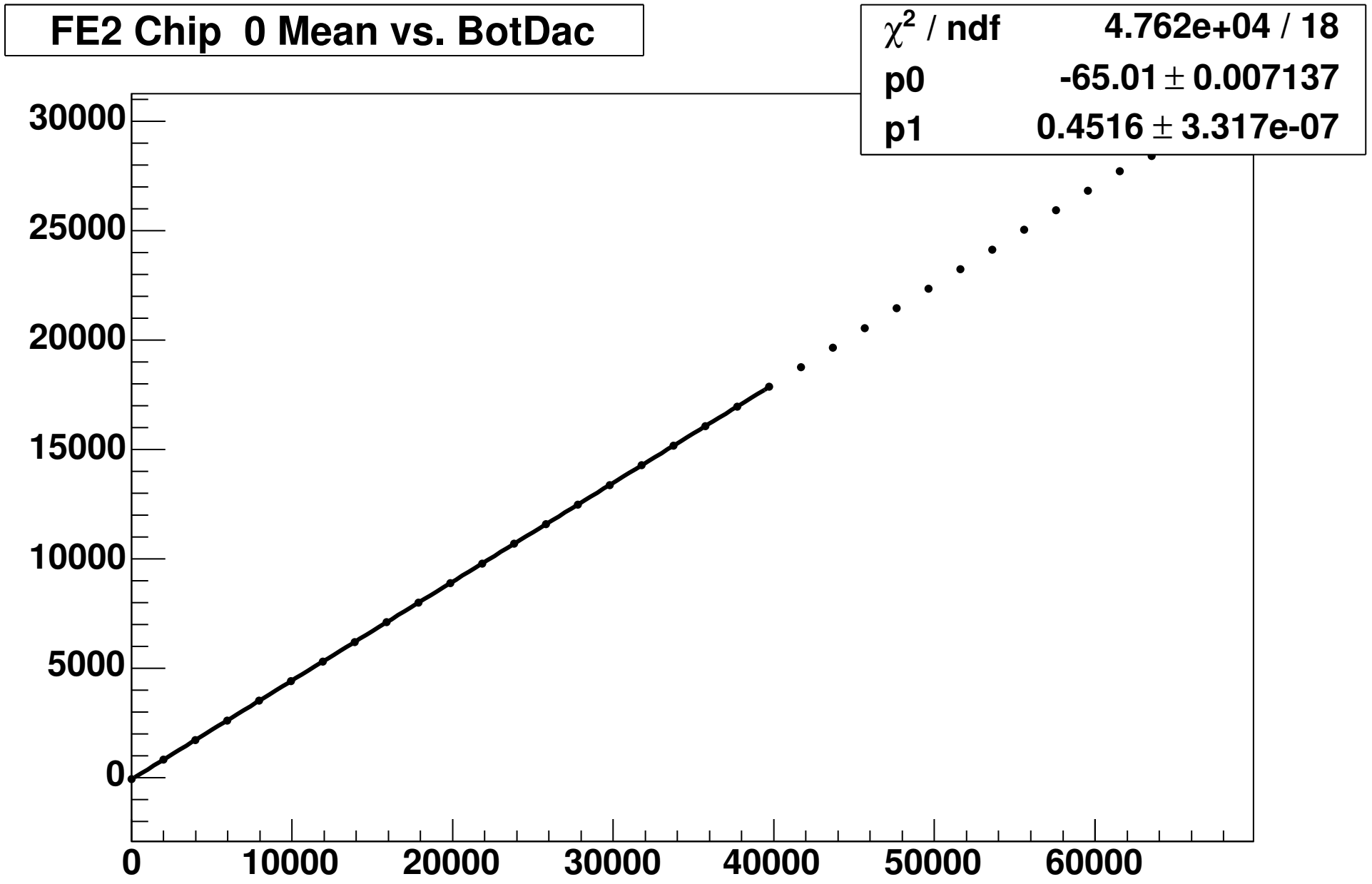

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1486 / 18
p0 1.352 ± 0.00396
p1 3.586e-05 ± 2.74e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

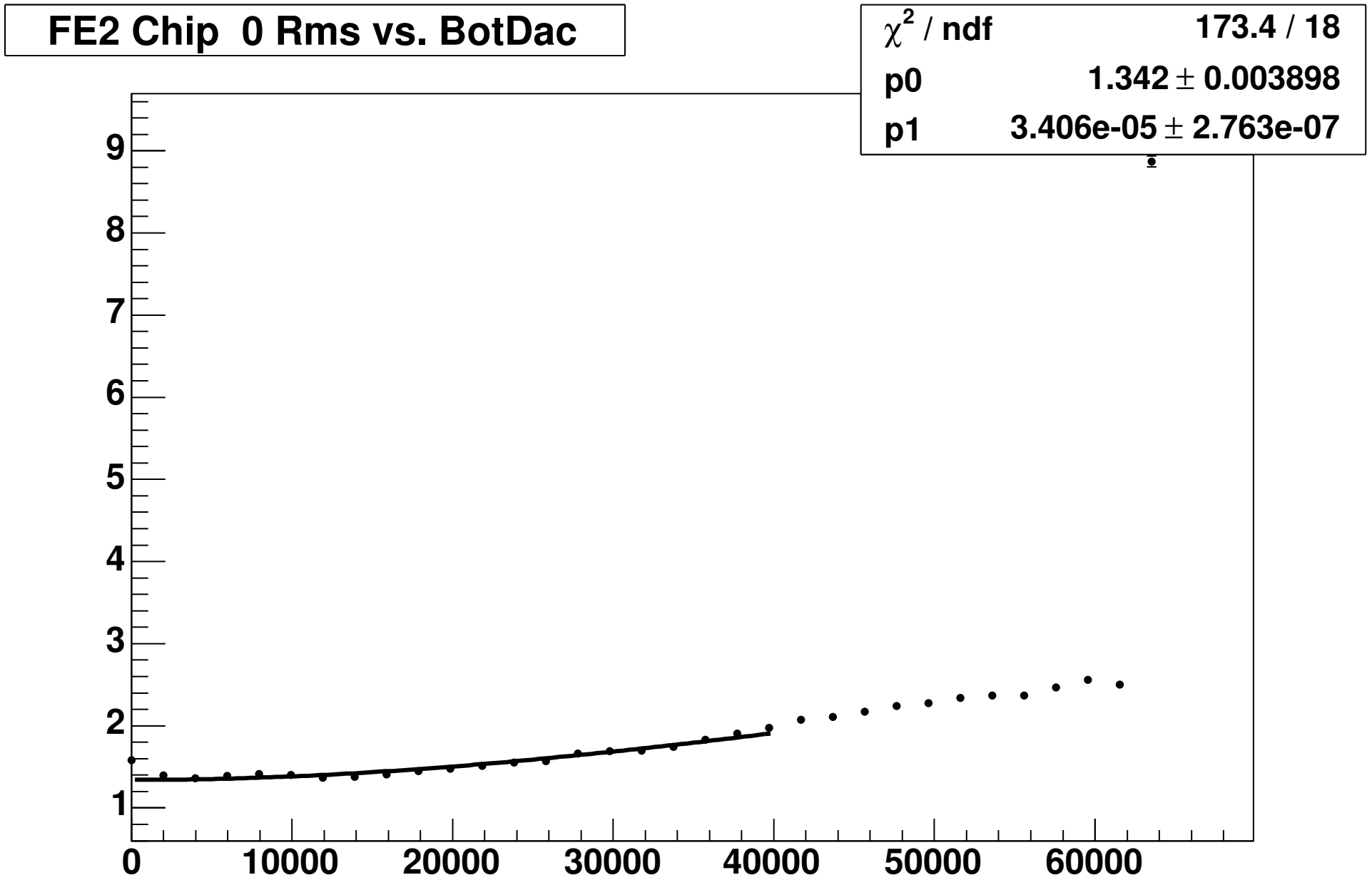

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 59.96 / 18
p0 49.49 ± 0.007542
p1 2.608e-06 ± 3.169e-07
49.65
49.6
49.55
49.5
49.45
49.4
0
10000
20000
30000
40000
50000
60000

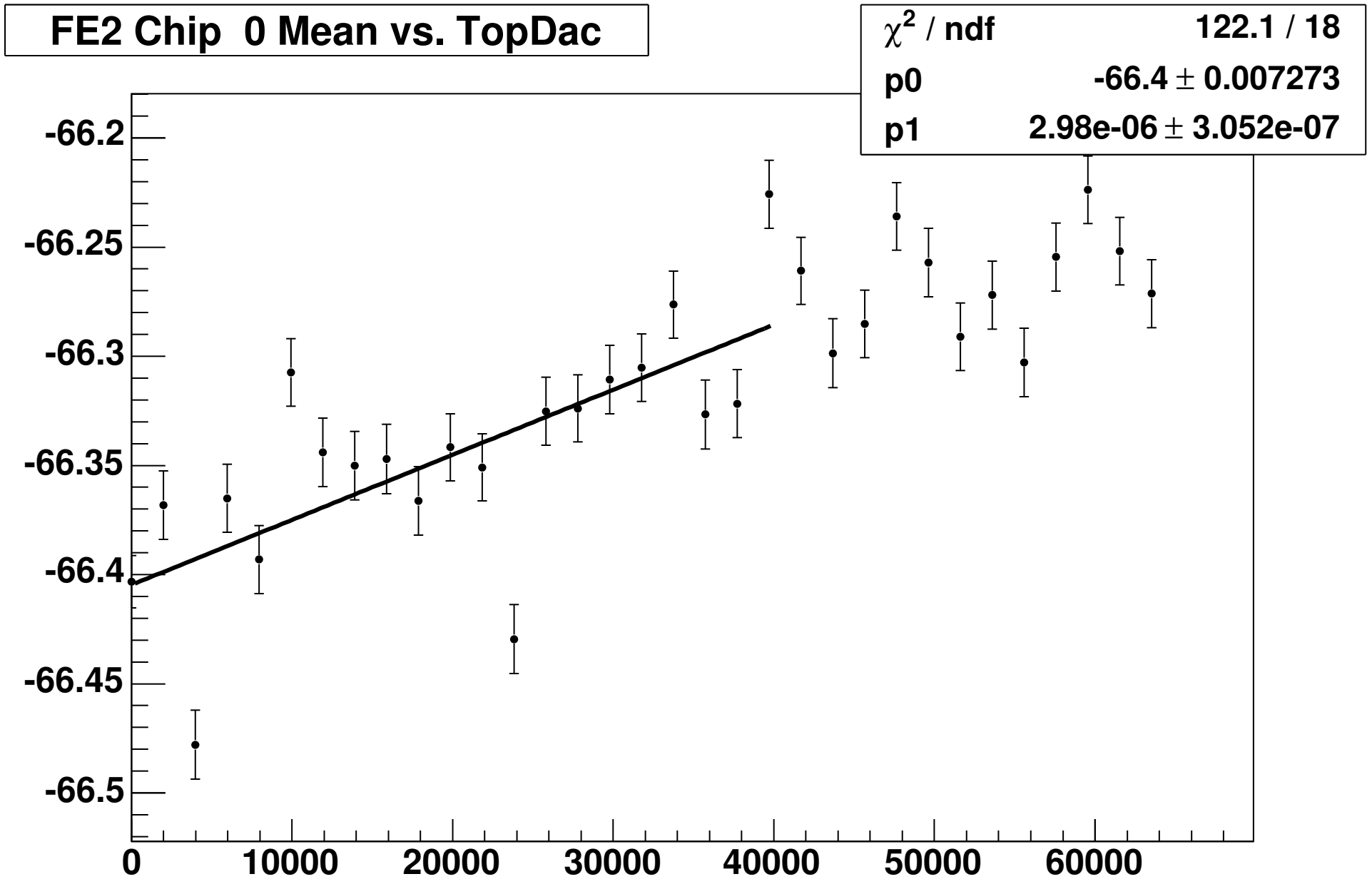

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 12.91 / 18
p0 1.529 ± 0.002574
p1 -1.69e-15 ± 3.541e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

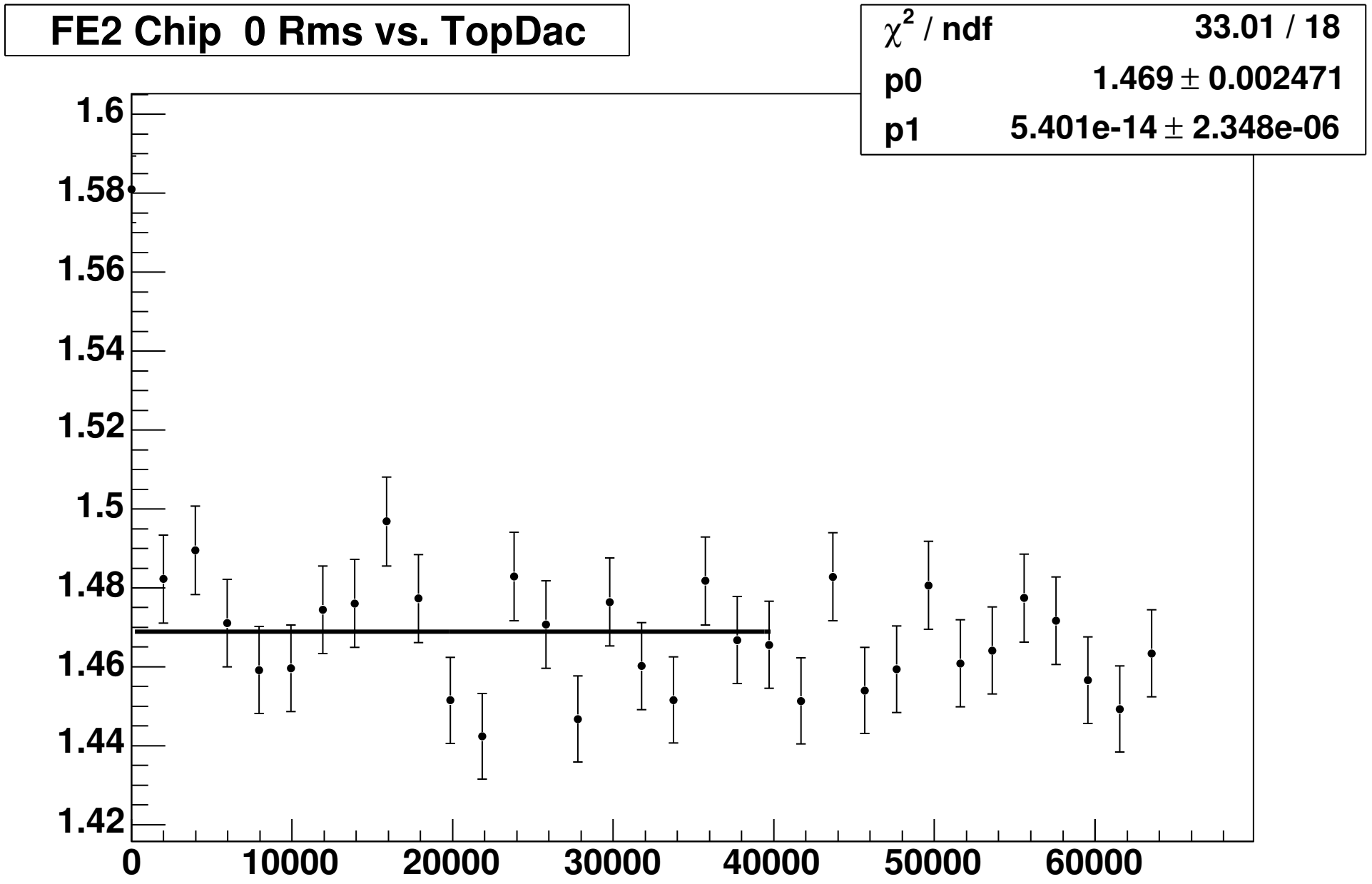

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 5.375e+04 / 18
p0 49.24 ± 0.007324
p1 0.4494 ± 3.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

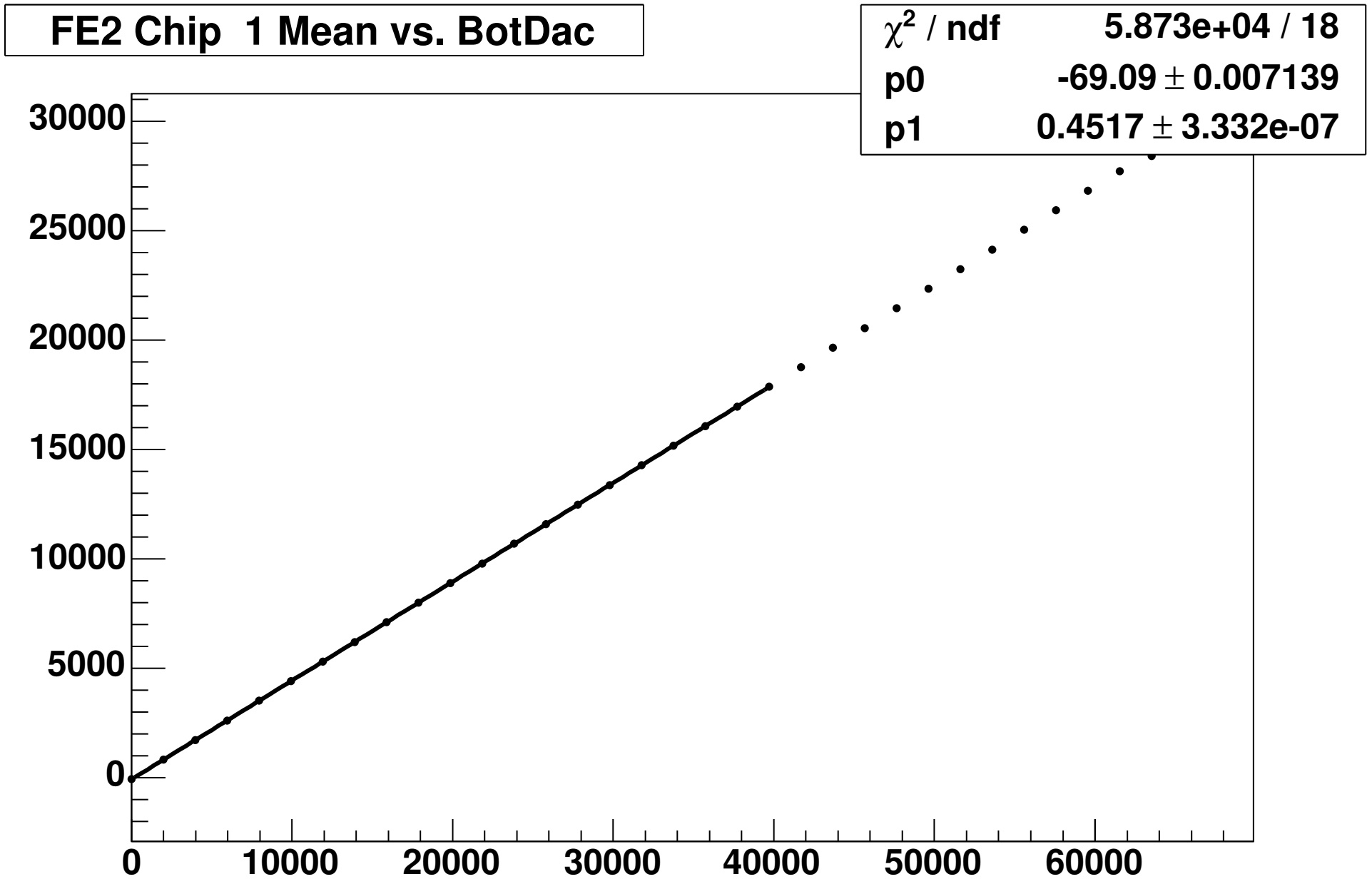

FE1 Chip 11 Rms vs. TopDac
χ² / ndf 476.6 / 18
p0 1.364 ± 0.00397
p1 3.445e-05 ± 2.823e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

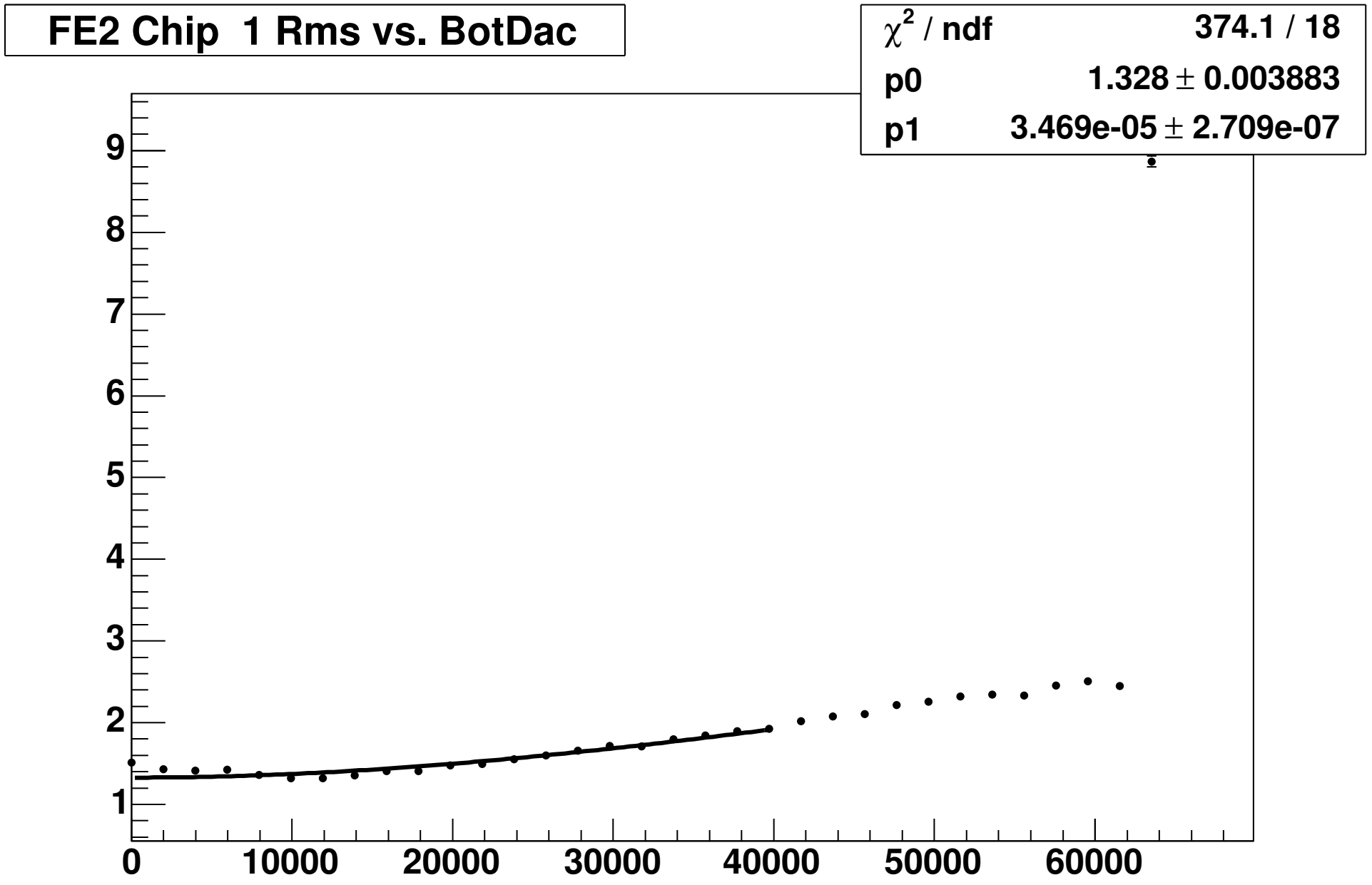

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 4.762e+04 / 18
p0 -65.01 ± 0.007137
p1 0.4516 ± 3.317e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

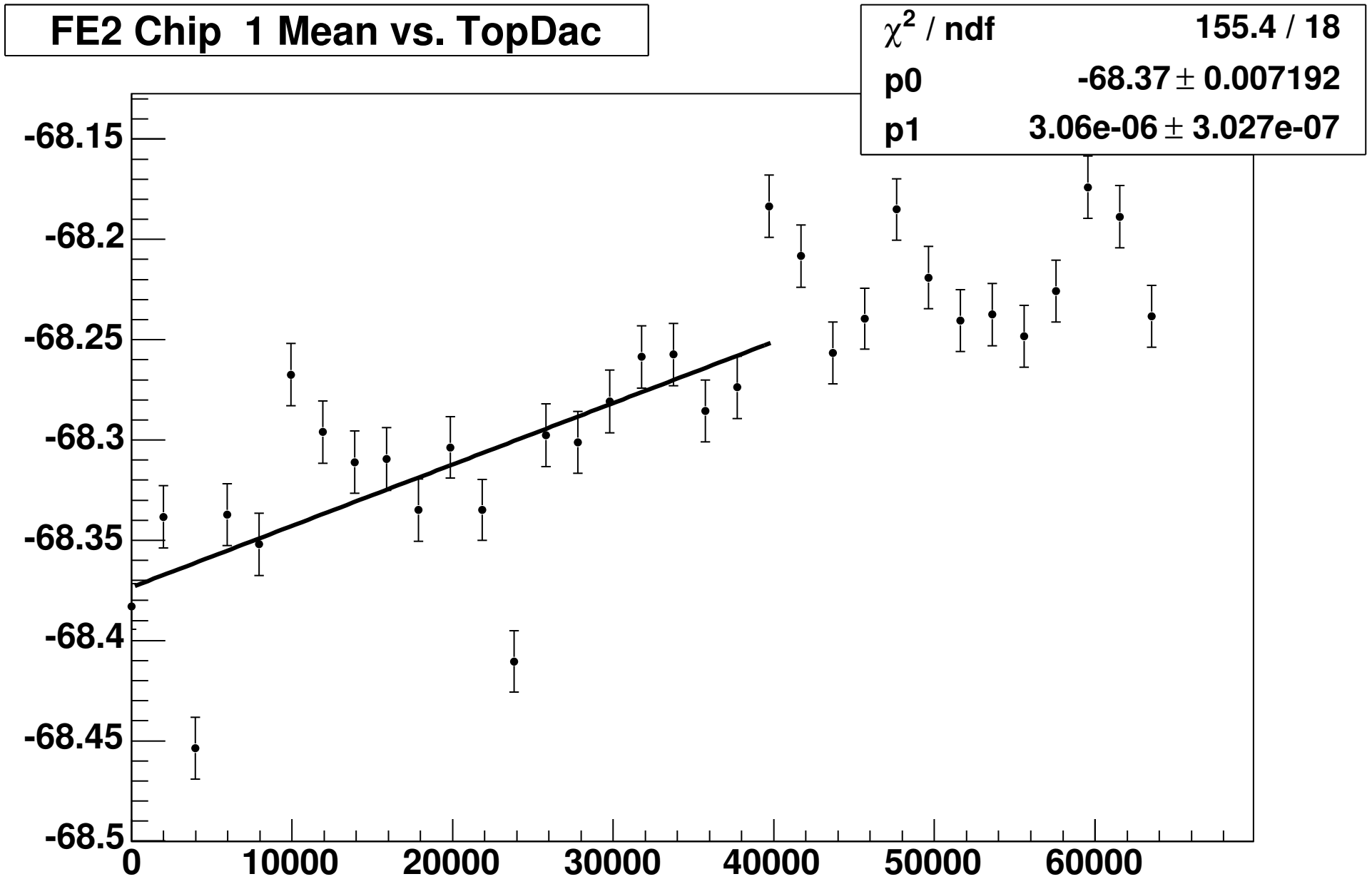

FE2 Chip 0 Rms vs. BotDac
χ² / ndf 173.4 / 18
p0 1.342 ± 0.003898
p1 3.406e-05 ± 2.763e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

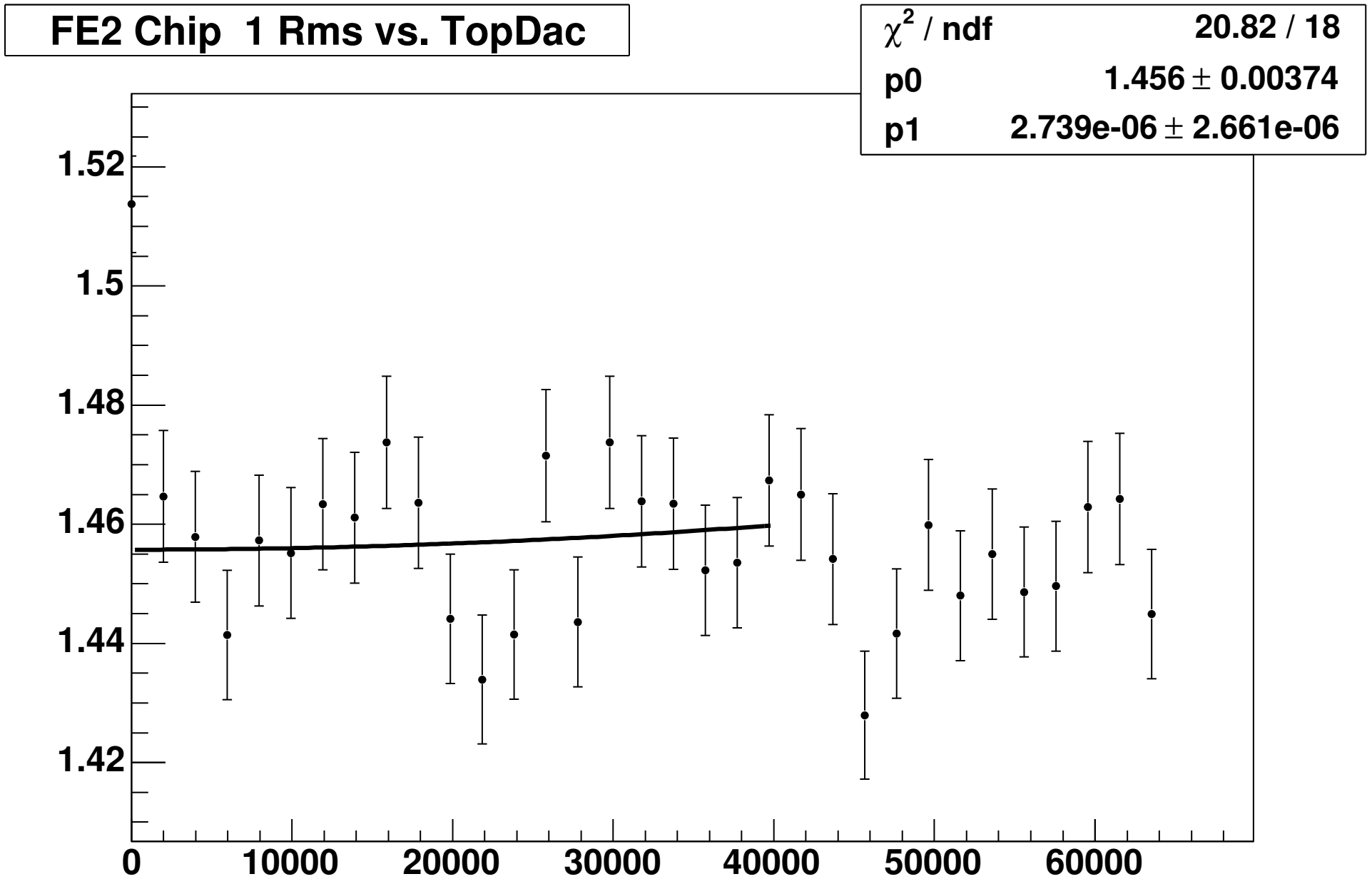

FE2 Chip 0 Mean vs. TopDac
χ² / ndf 122.1 / 18
p0 -66.4 ± 0.007273
p1 2.98e-06 ± 3.052e-07
-66.2
-66.25
-66.3
-66.35
-66.4
-66.45
-66.5
0
10000
20000
30000
40000
50000
60000

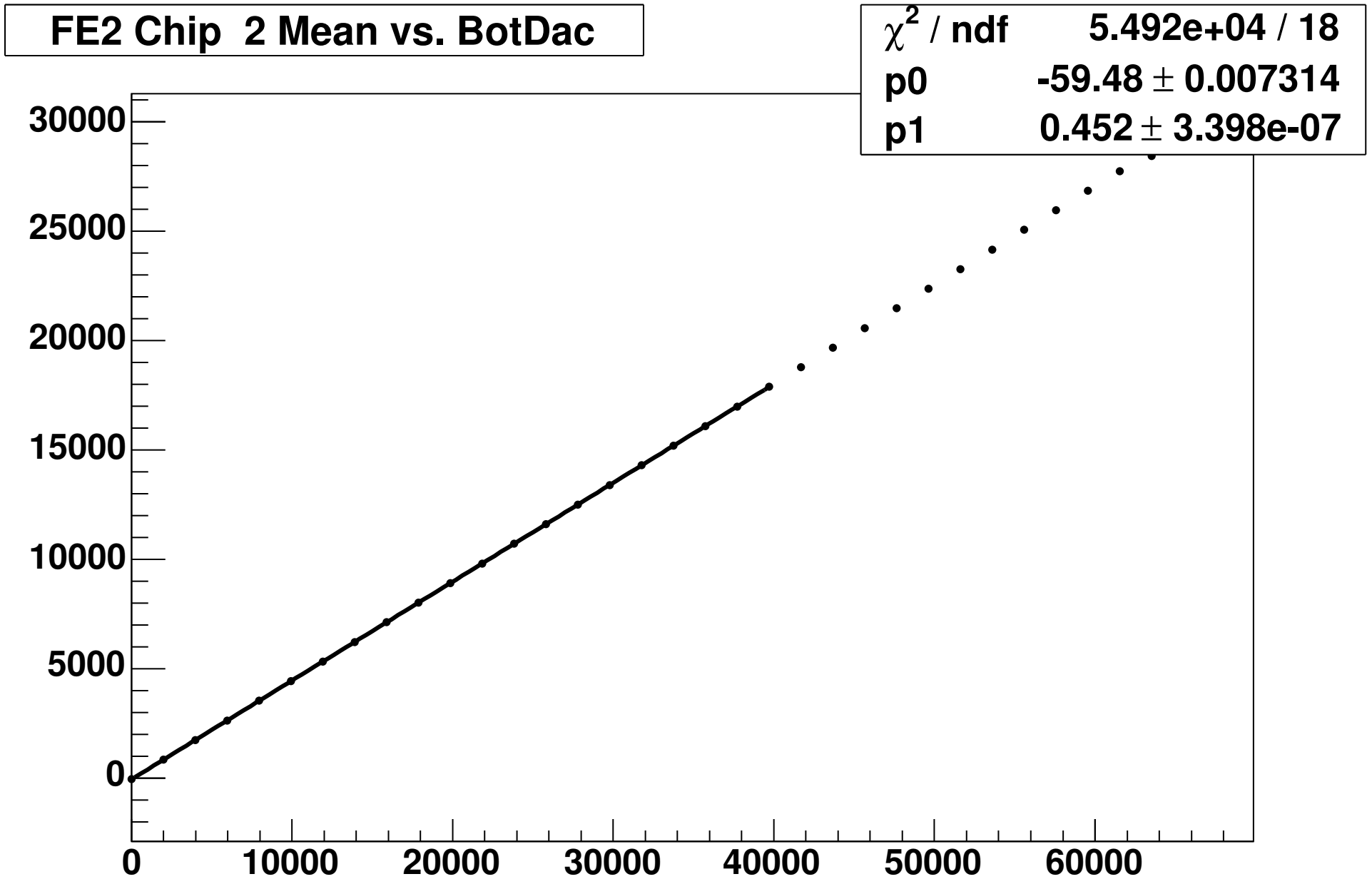

FE2 Chip 0 Rms vs. TopDac
χ² / ndf 33.01 / 18
p0 1.469 ± 0.002471
p1 5.401e-14 ± 2.348e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

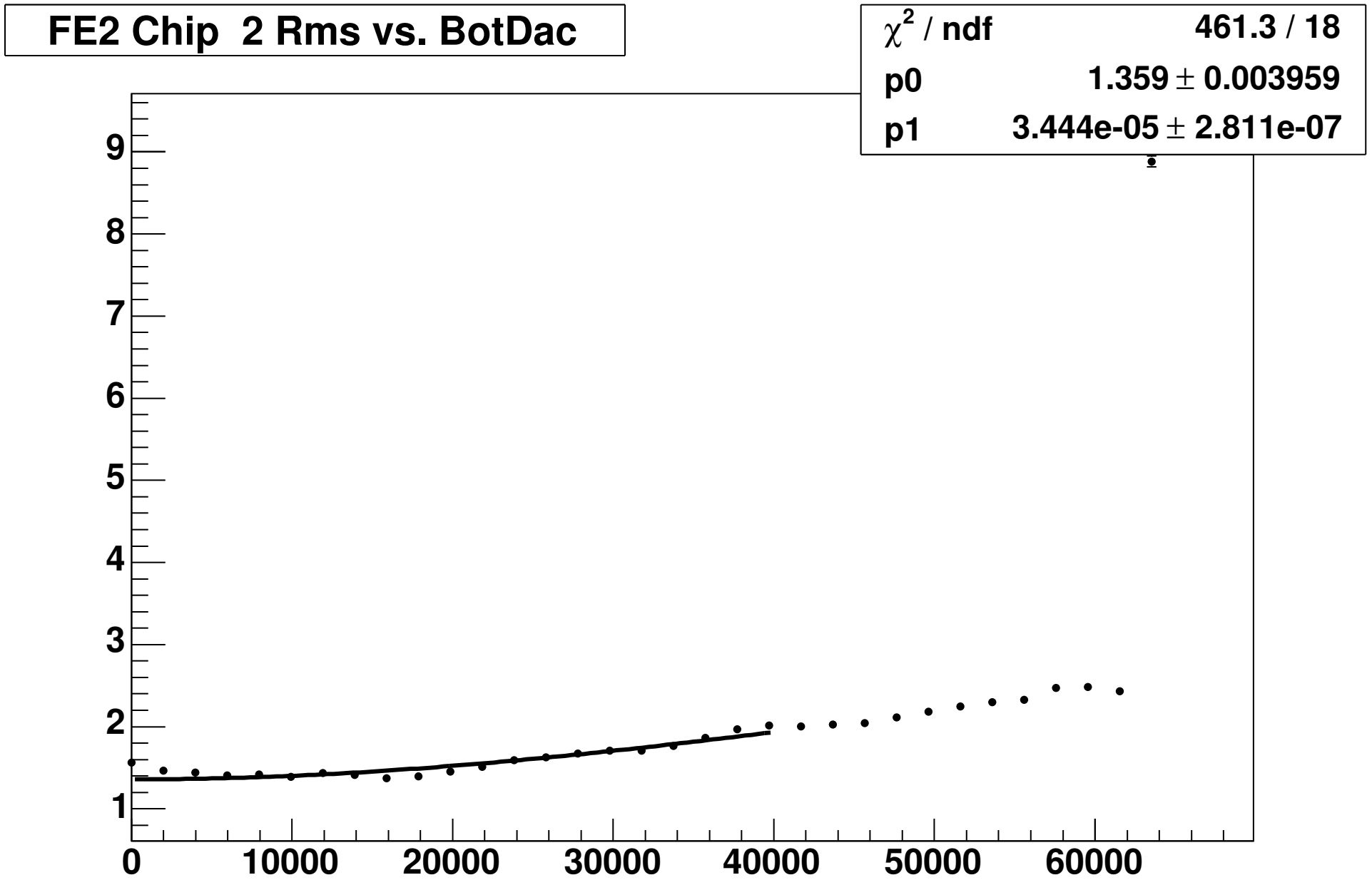

FE2 Chip 1 Mean vs. BotDac
χ² / ndf 5.873e+04 / 18
p0 -69.09 ± 0.007139
p1 0.4517 ± 3.332e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

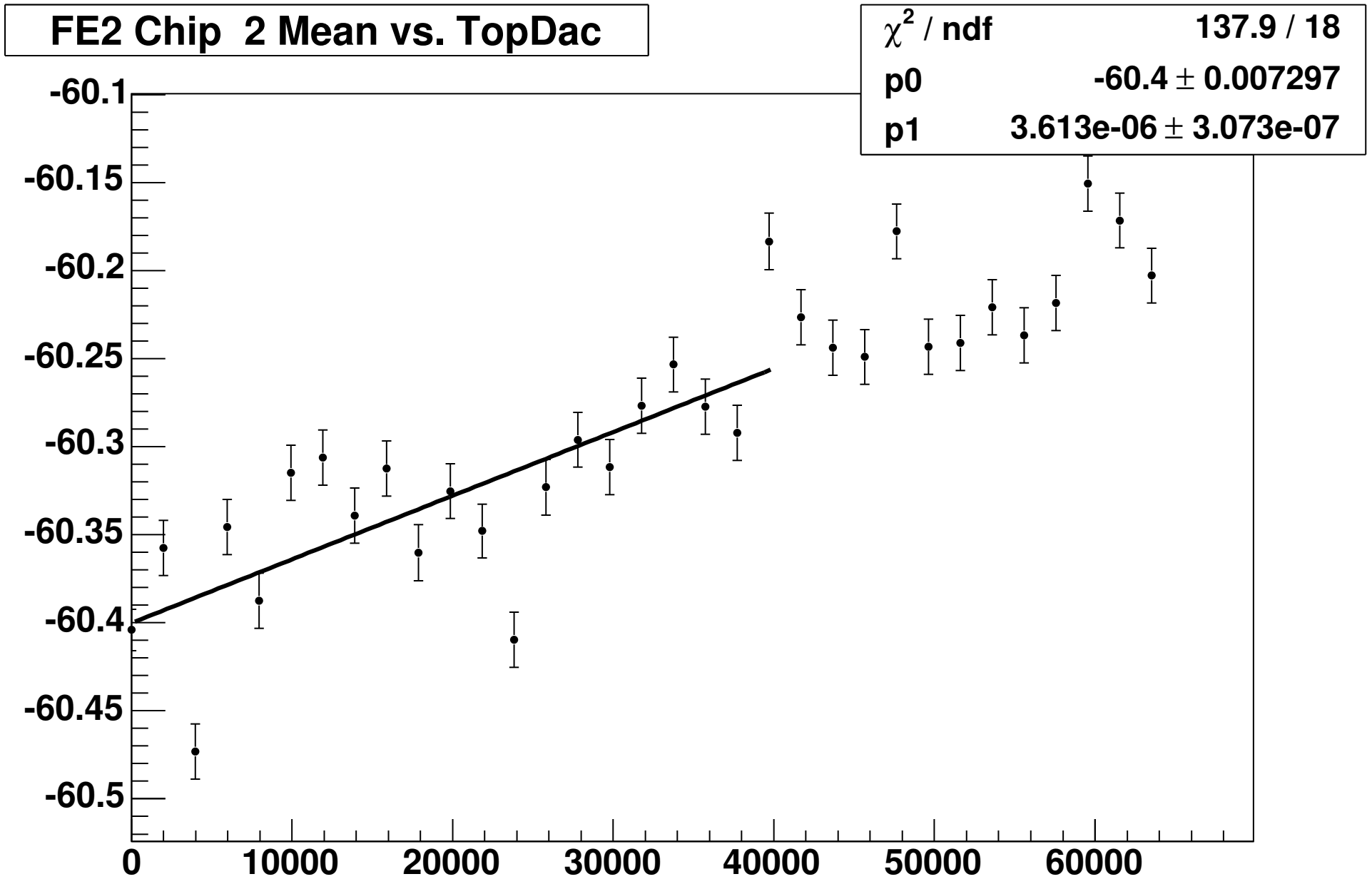

FE2 Chip 1 Rms vs. BotDac
χ² / ndf 374.1 / 18
p0 1.328 ± 0.003883
p1 3.469e-05 ± 2.709e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

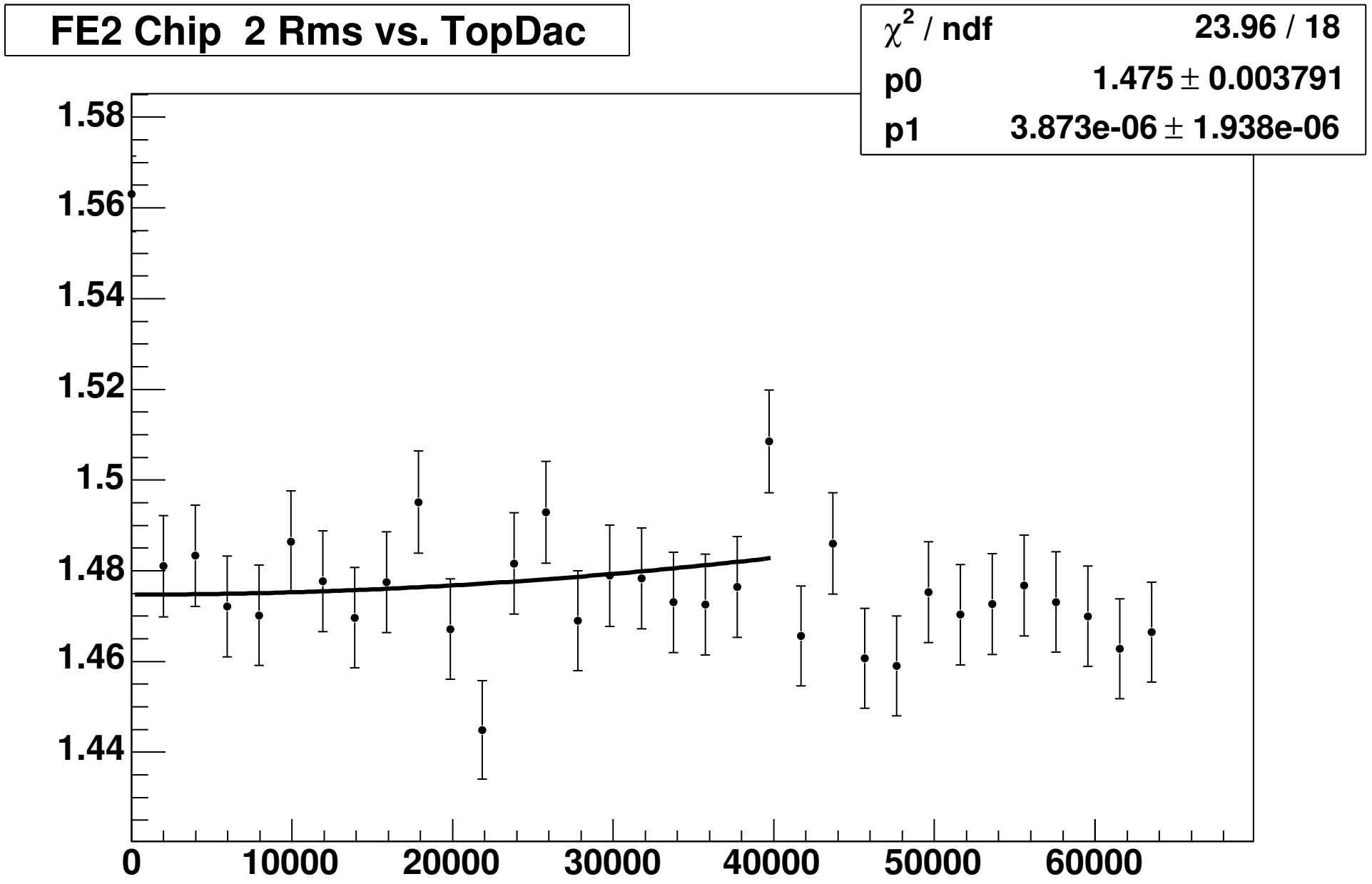

FE2 Chip 1 Mean vs. TopDac
χ^2 / ndf 155.4 / 18
p0 -68.37 ± 0.007192
p1 3.06e-06 ± 3.027e-07
-68.15
-68.2
-68.25
-68.3
-68.35
-68.4
-68.45
-68.5
0
10000
20000
30000
40000
50000
60000

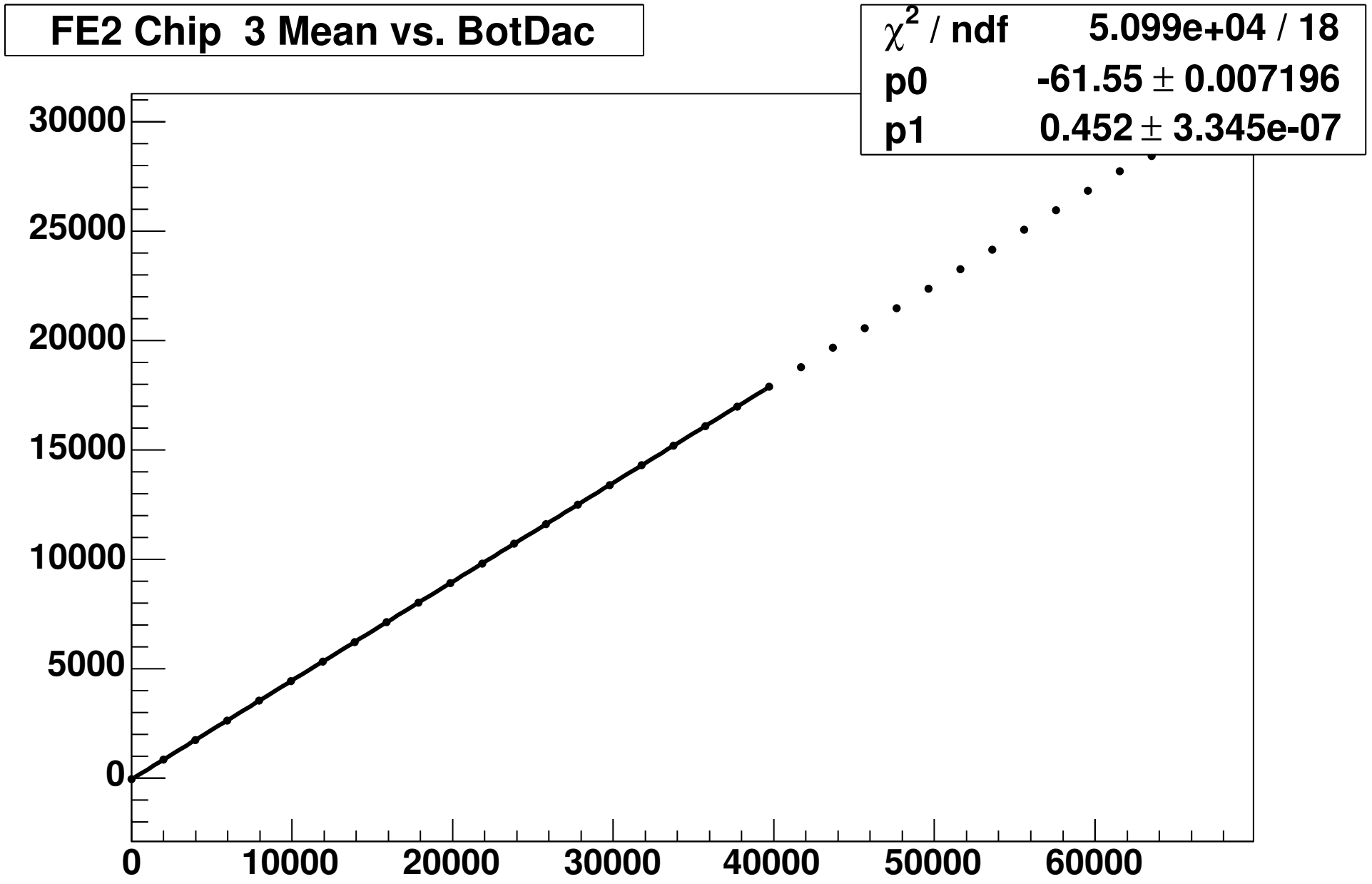

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 20.82 / 18
p0 1.456 ± 0.00374
p1 2.739e-06 ± 2.661e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

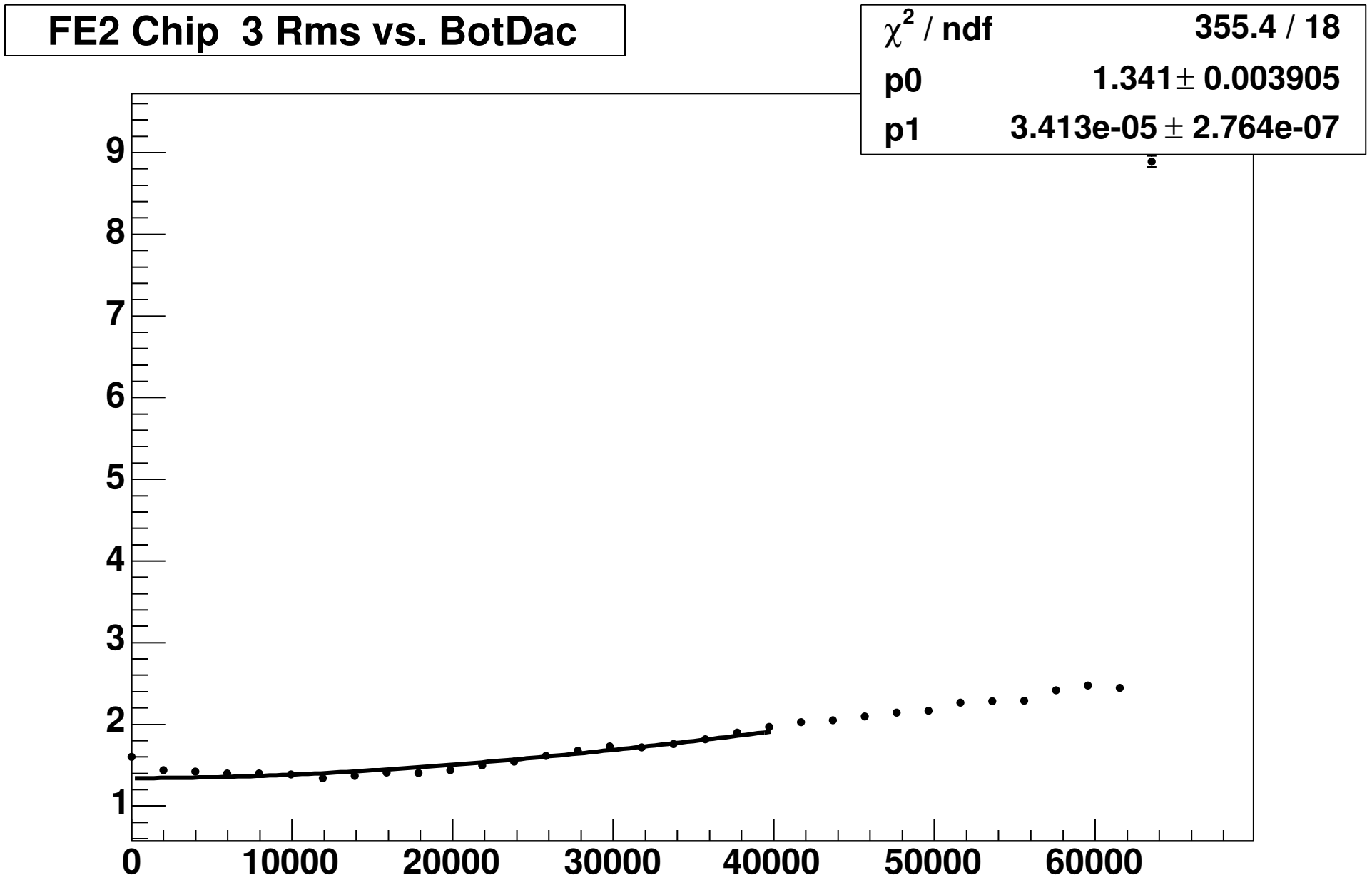

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 5.492e+04 / 18
p0 -59.48 ± 0.007314
p1 0.452 ± 3.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

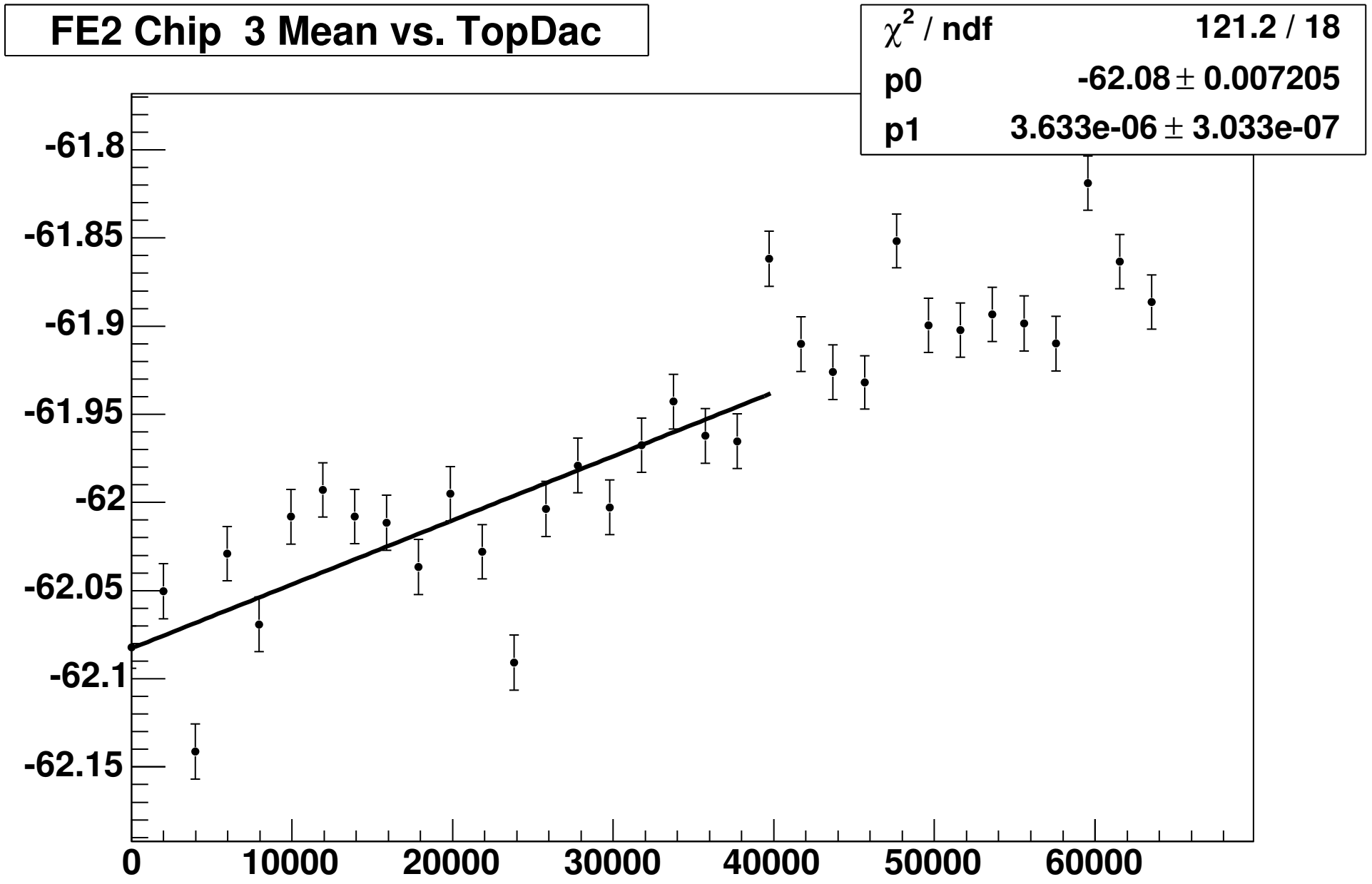

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 461.3 / 18
p0 1.359 ± 0.003959
p1 3.444e-05 ± 2.811e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

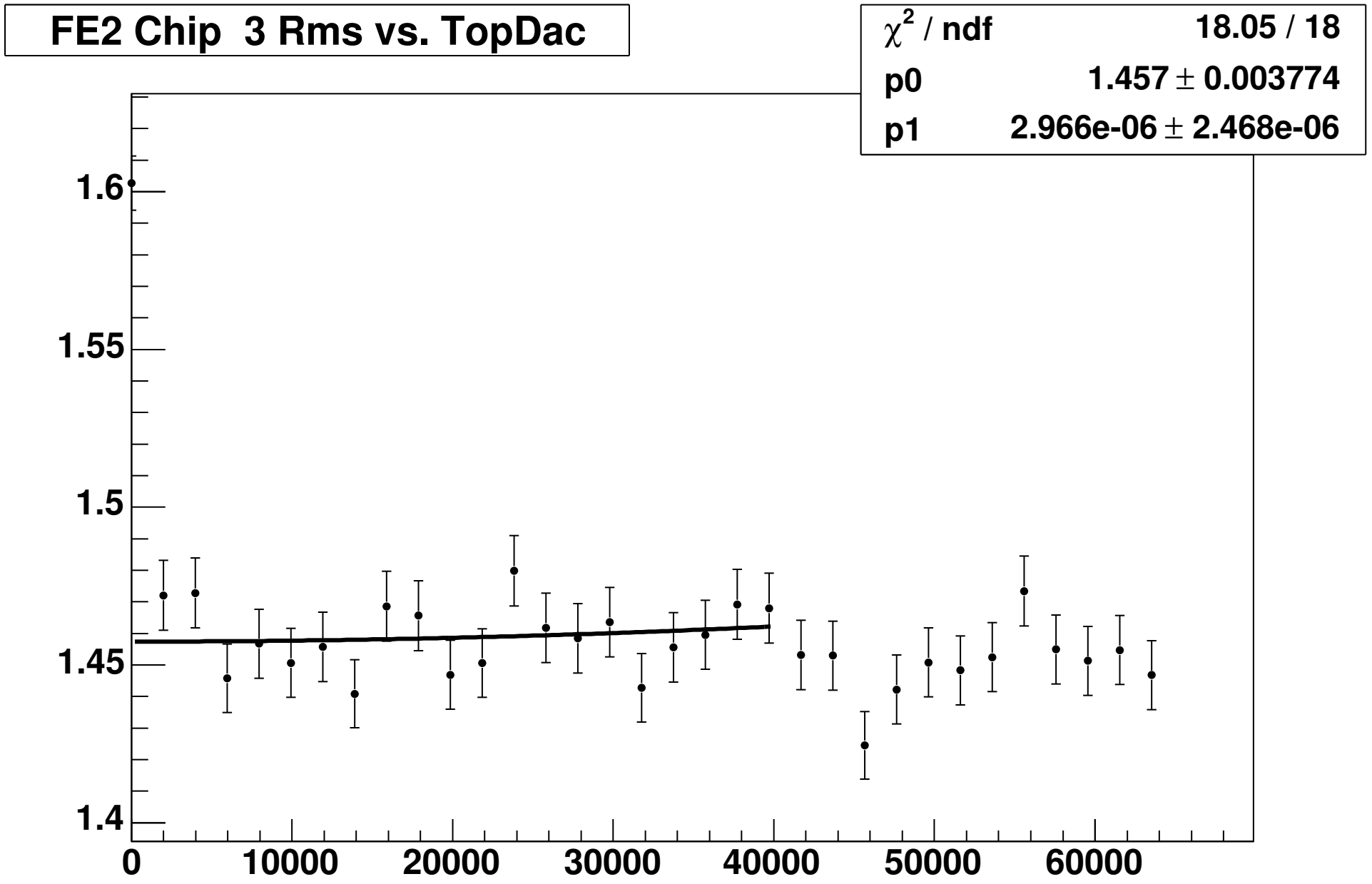

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 137.9 / 18
p0 -60.4 ± 0.007297
p1 3.613e-06 ± 3.073e-07
-60.1
-60.15
-60.2
-60.25
-60.3
-60.35
-60.4
-60.45
-60.5
0
10000
20000
30000
40000
50000
60000

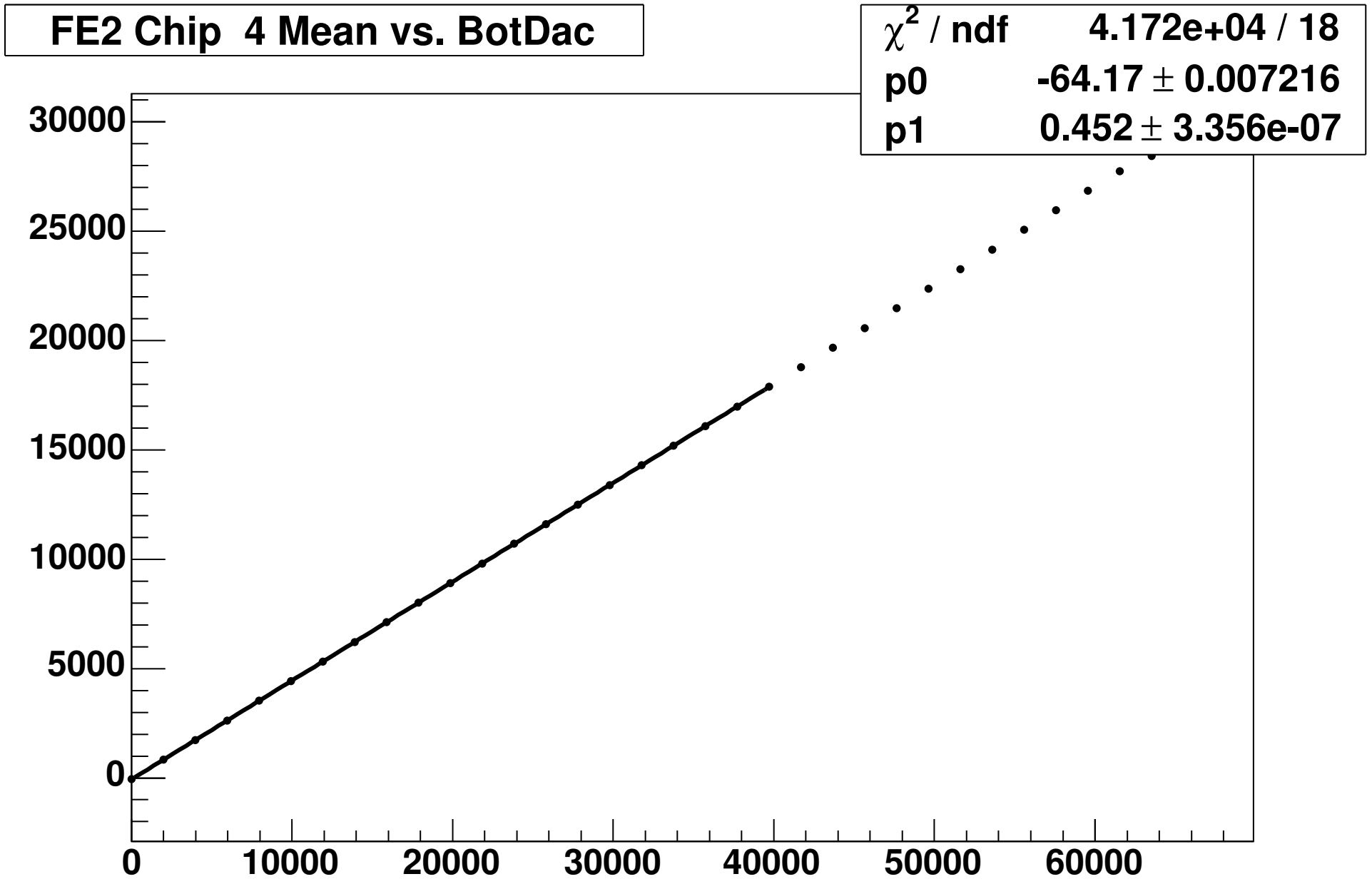

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 23.96 / 18
p0 1.475 ± 0.003791
p1 3.873e-06 ± 1.938e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

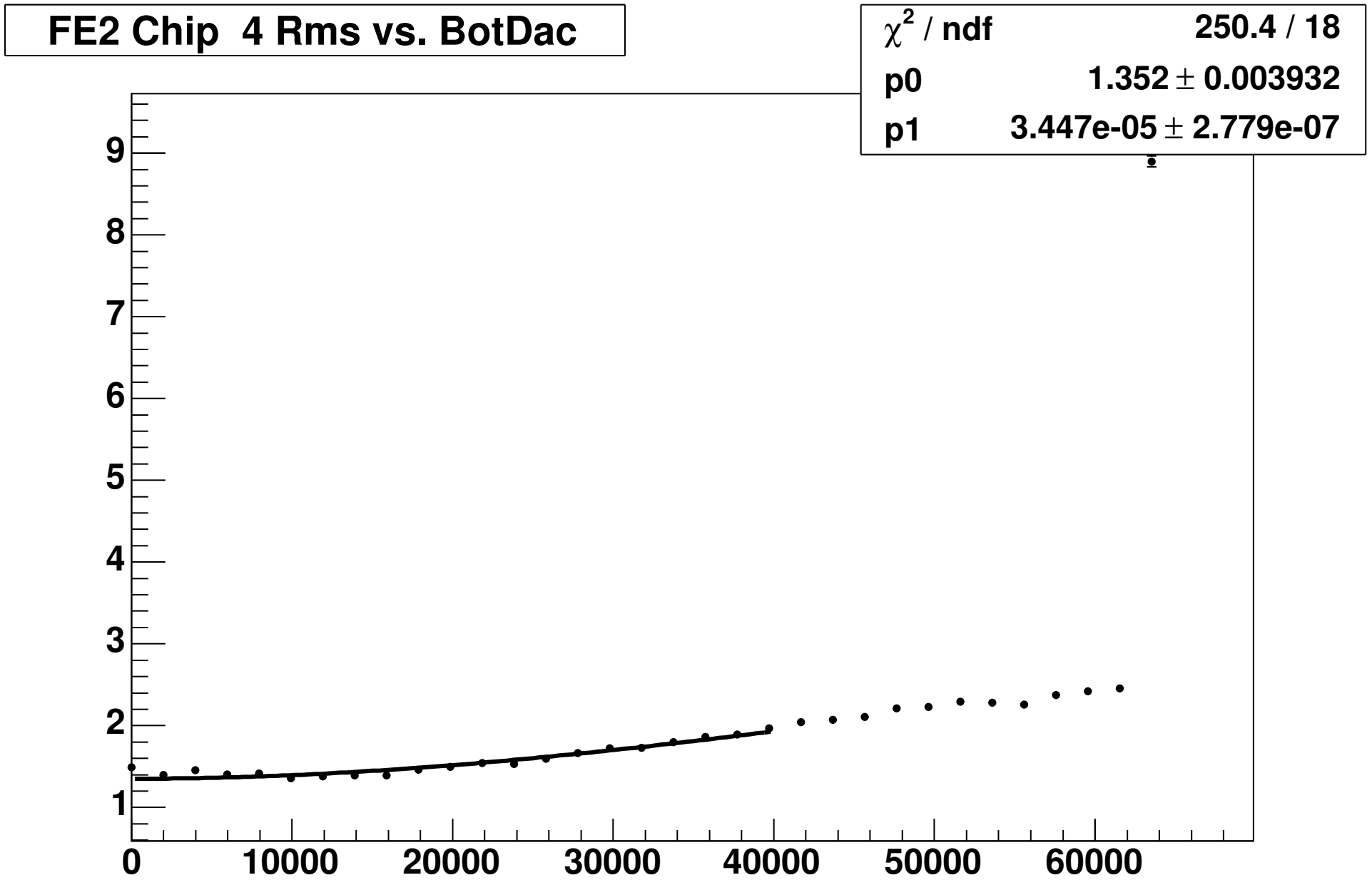

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 5.099e+04 / 18
p0 -61.55 ± 0.007196
p1 0.452 ± 3.345e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

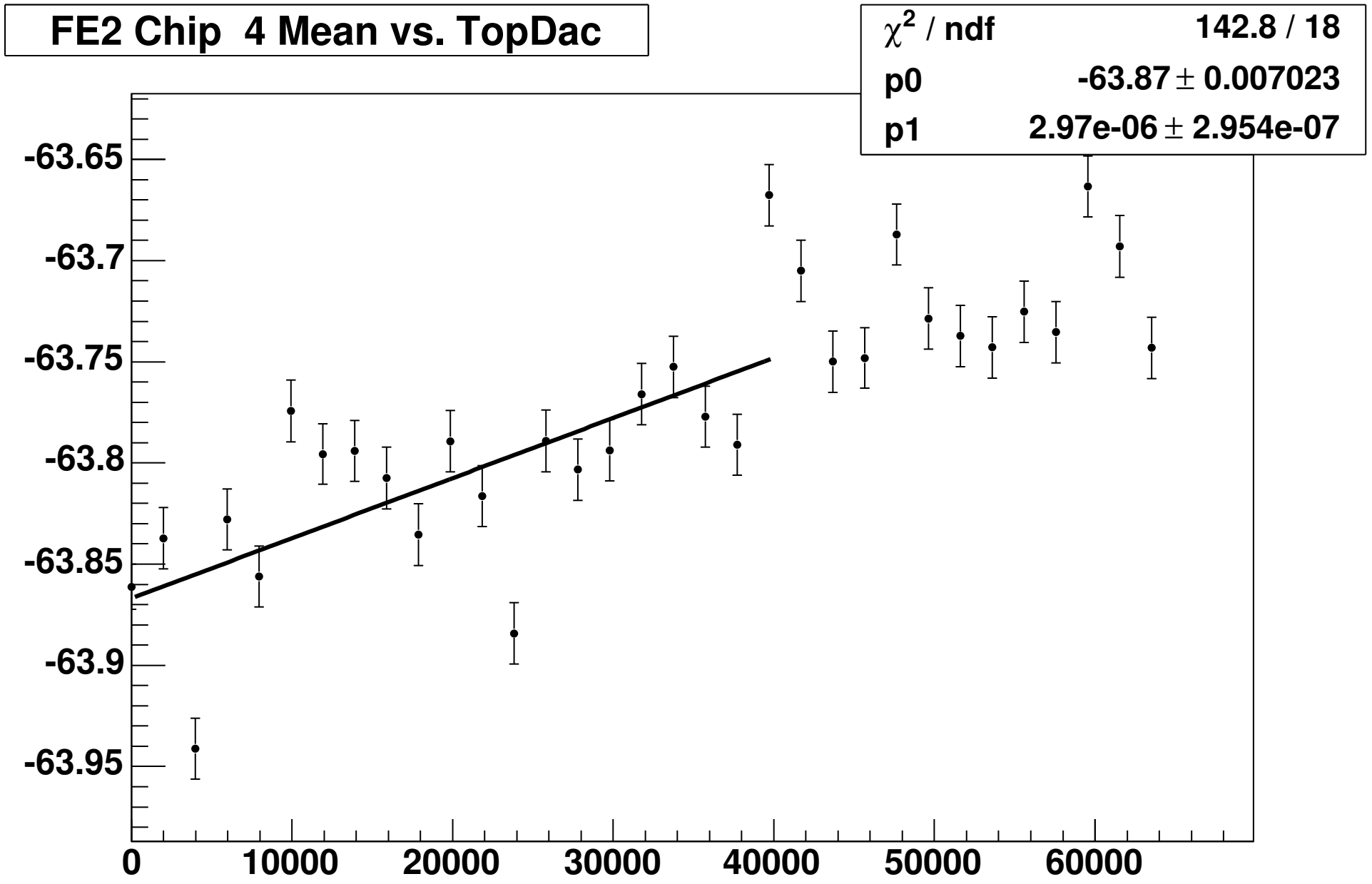

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 355.4 / 18
p0 1.341 ± 0.003905
p1 3.413e-05 ± 2.764e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

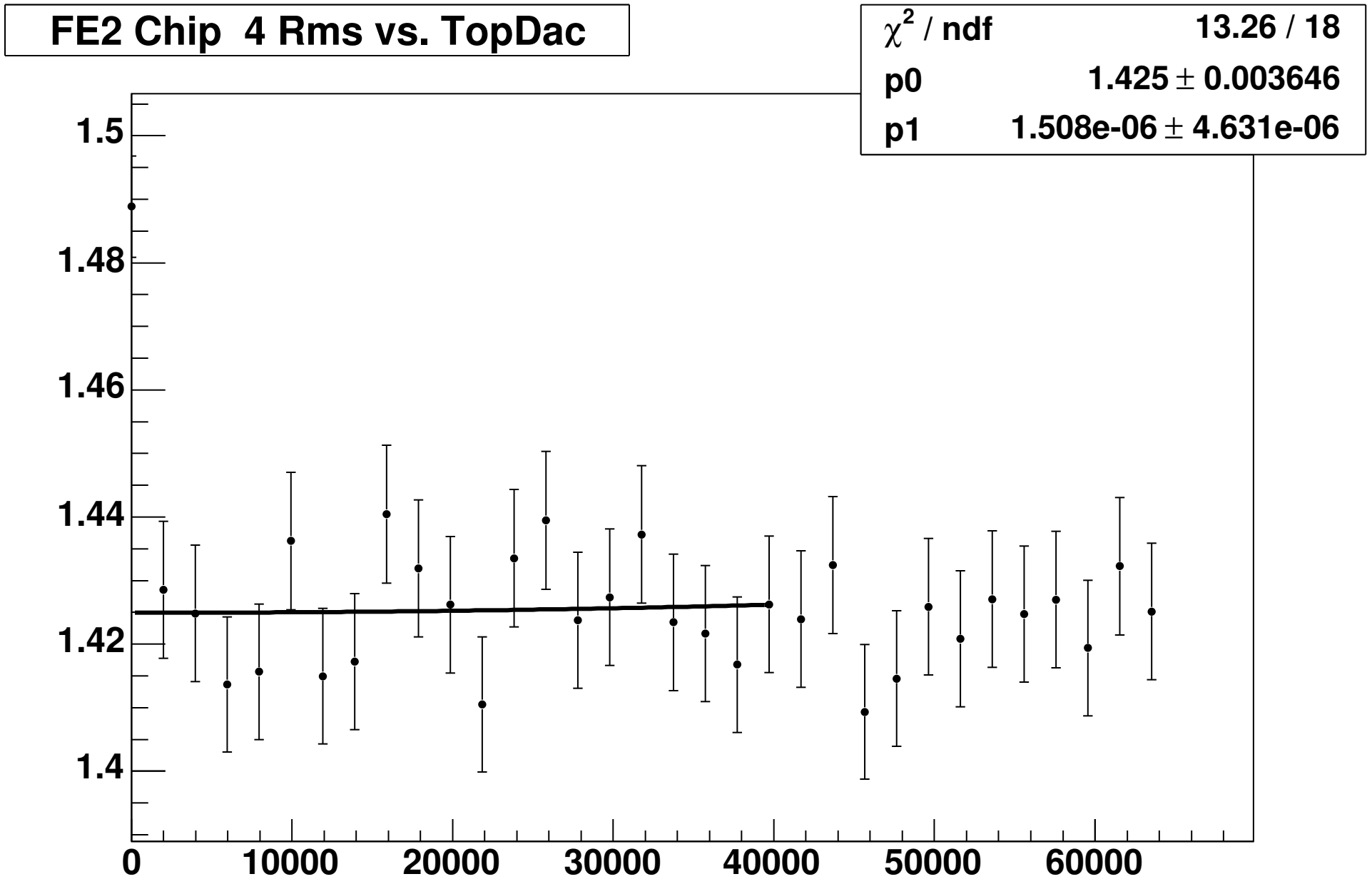

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 121.2 / 18
p0 -62.08 ± 0.007205
p1 3.633e-06 ± 3.033e-07
-61.8
-61.85
-61.9
-61.95
-62
-62.05
-62.1
-62.15
0
10000
20000
30000
40000
50000
60000

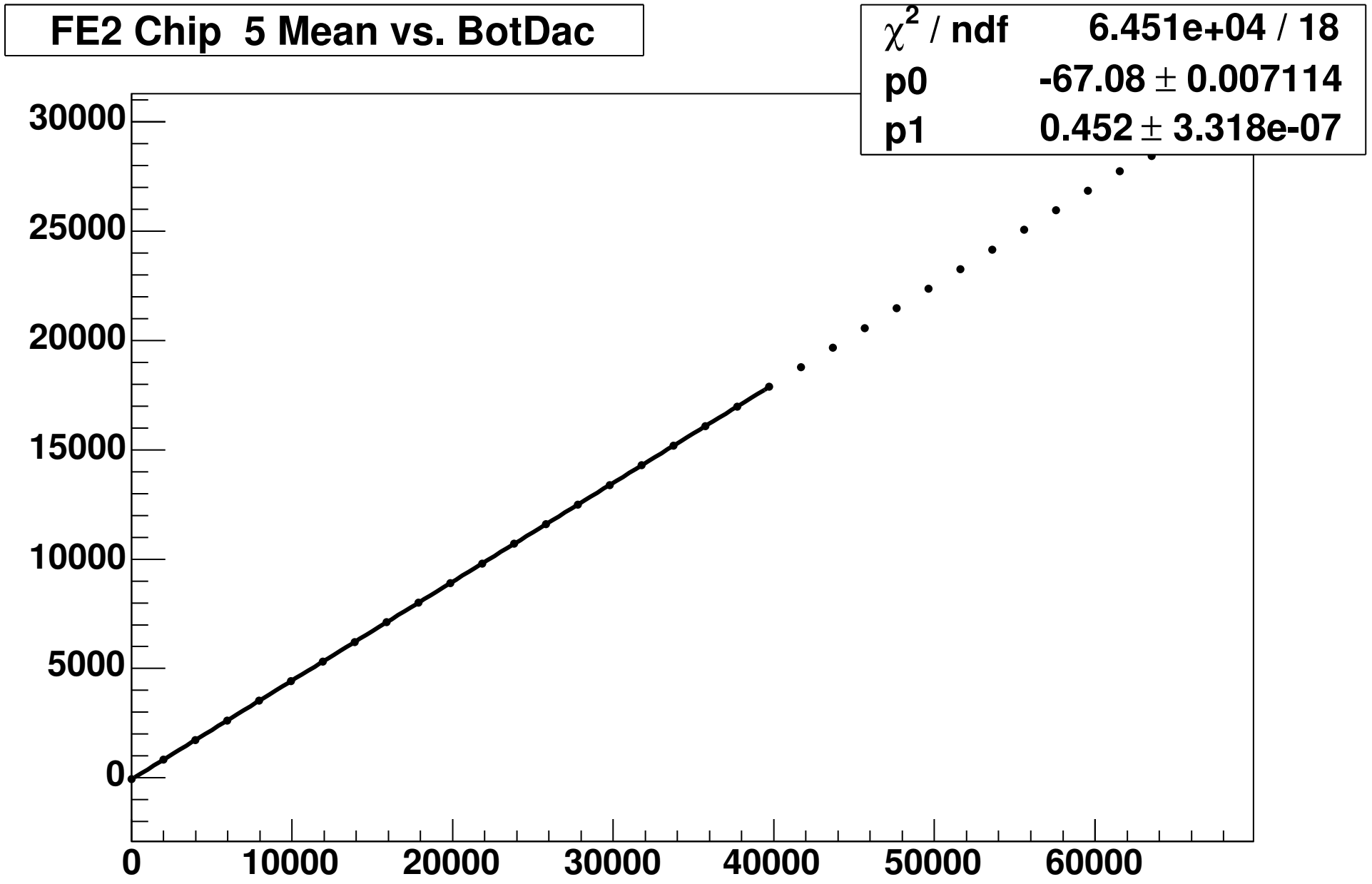

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 18.05 / 18
p0 1.457 ± 0.003774
p1 2.966e-06 ± 2.468e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

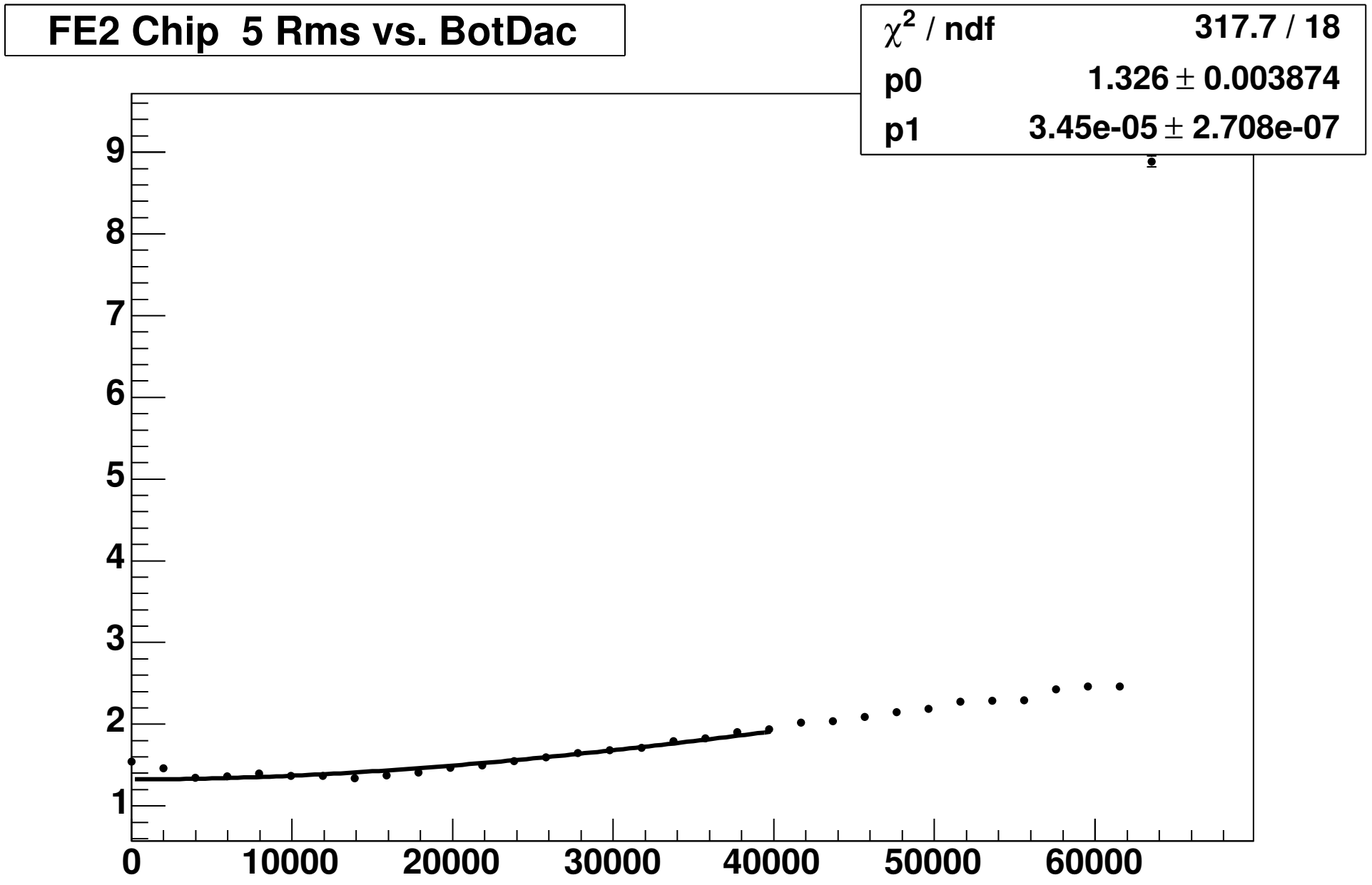

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 4.172e+04 / 18
p0 -64.17 ± 0.007216
p1 0.452 ± 3.356e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

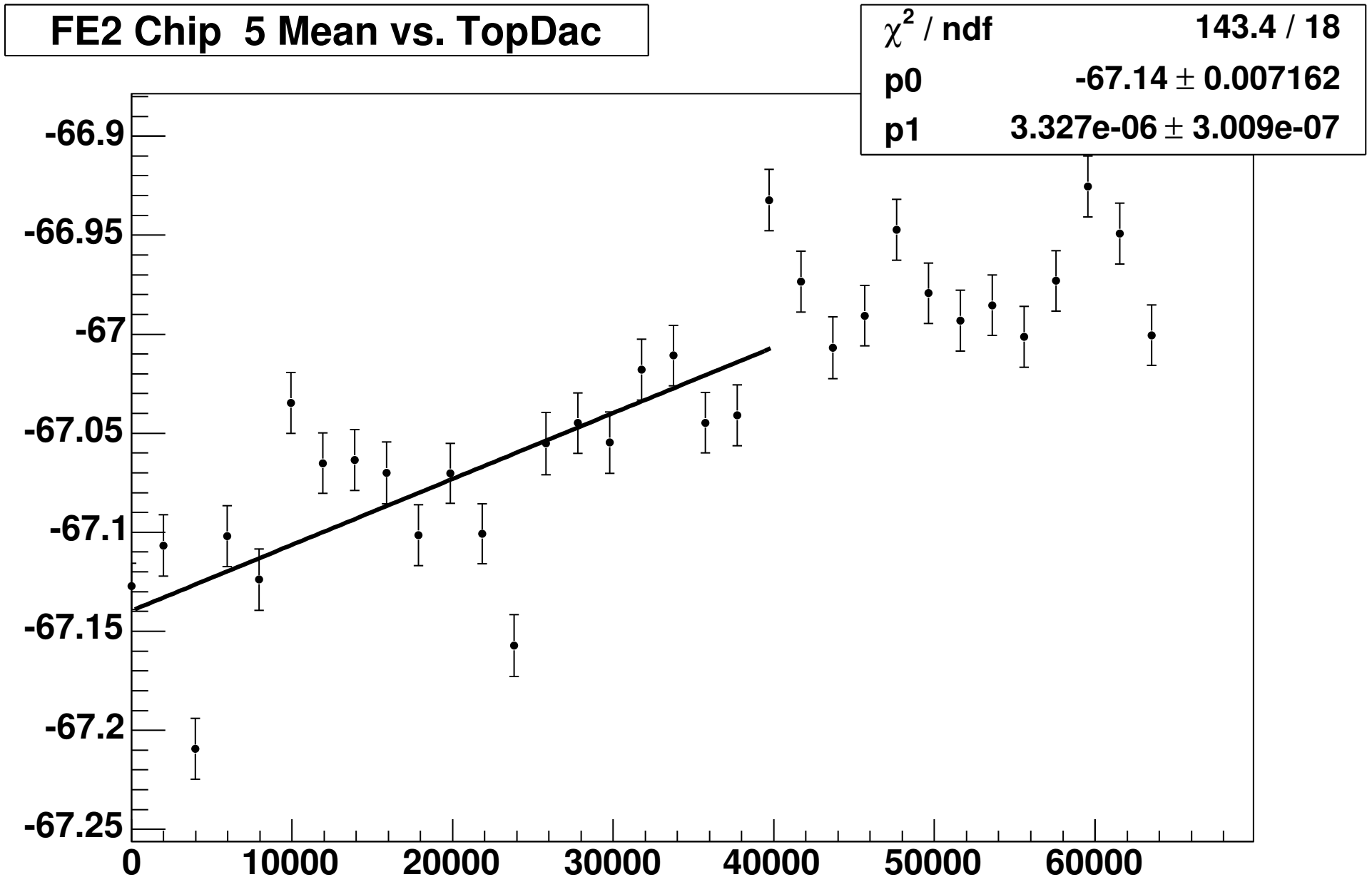

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 250.4 / 18
p0 1.352 ± 0.003932
p1 3.447e-05 ± 2.779e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

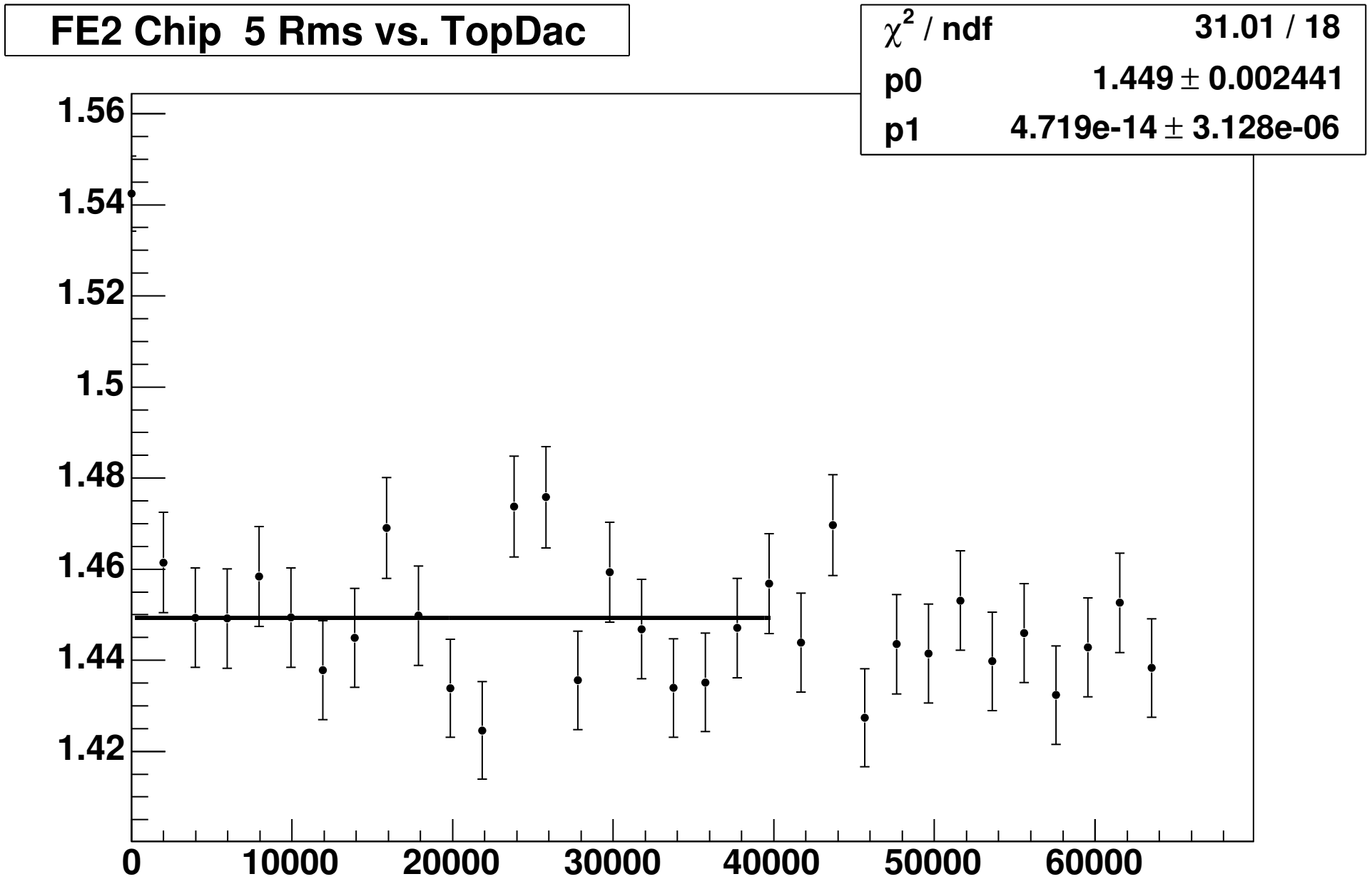

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 142.8 / 18
p0 -63.87 ± 0.007023
p1 2.97e-06 ± 2.954e-07
-63.65
-63.7
-63.75
-63.8
-63.85
-63.9
-63.95
0
10000
20000
30000
40000
50000
60000

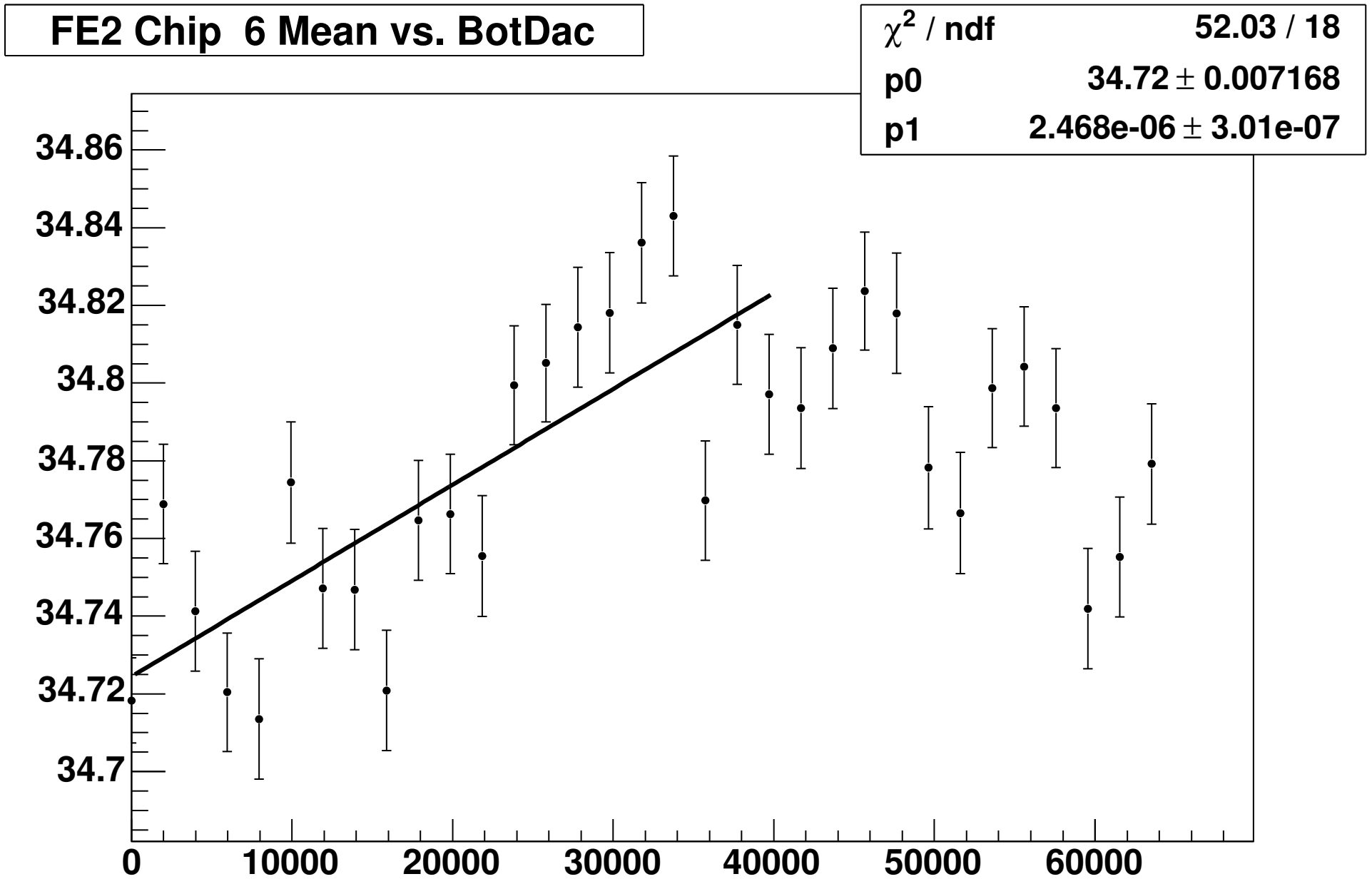

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 13.26 / 18
p0 1.425 ± 0.003646
p1 1.508e-06 ± 4.631e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

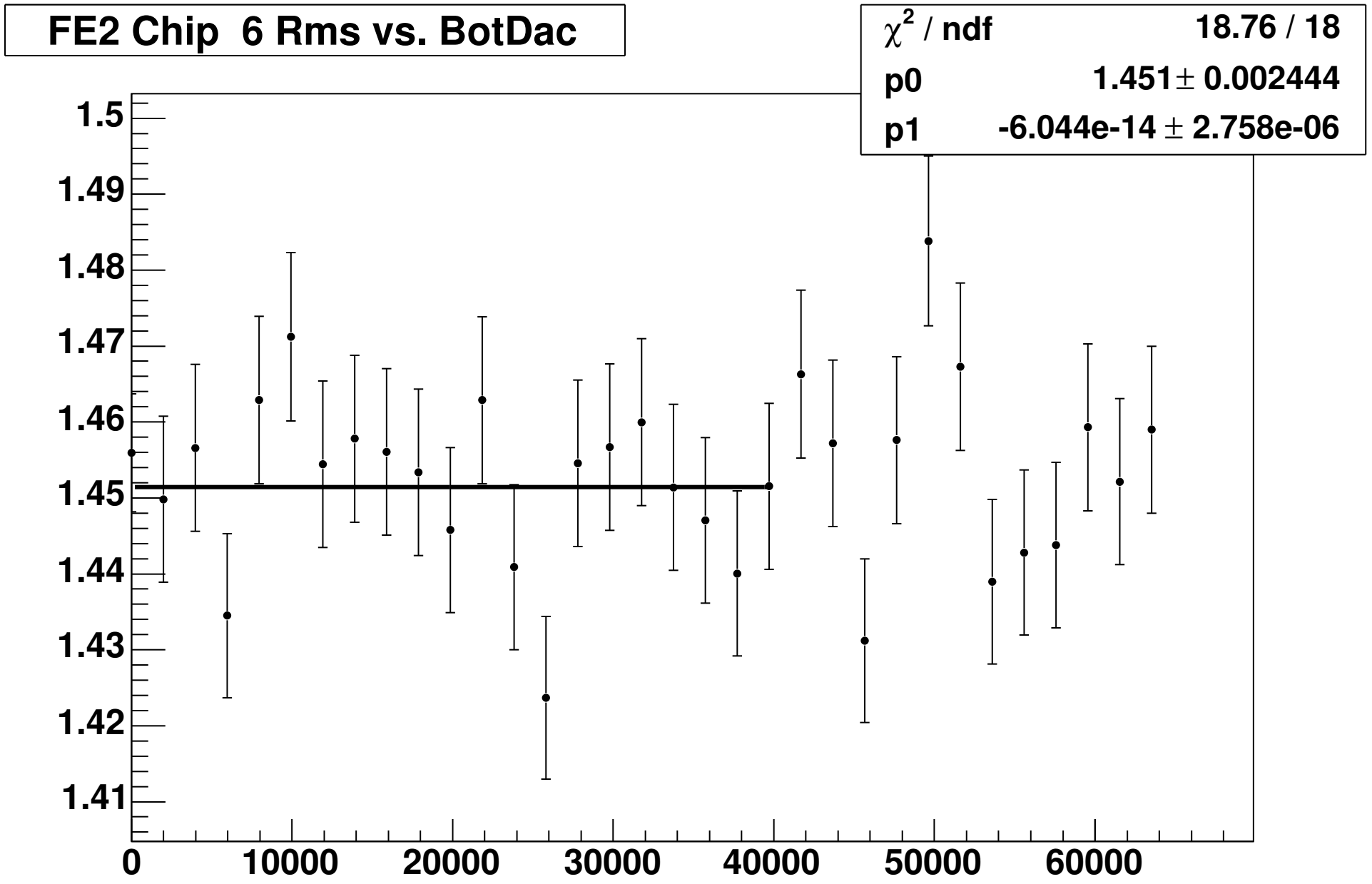

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 6.451e+04 / 18
p0 -67.08 ± 0.007114
p1 0.452 ± 3.318e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

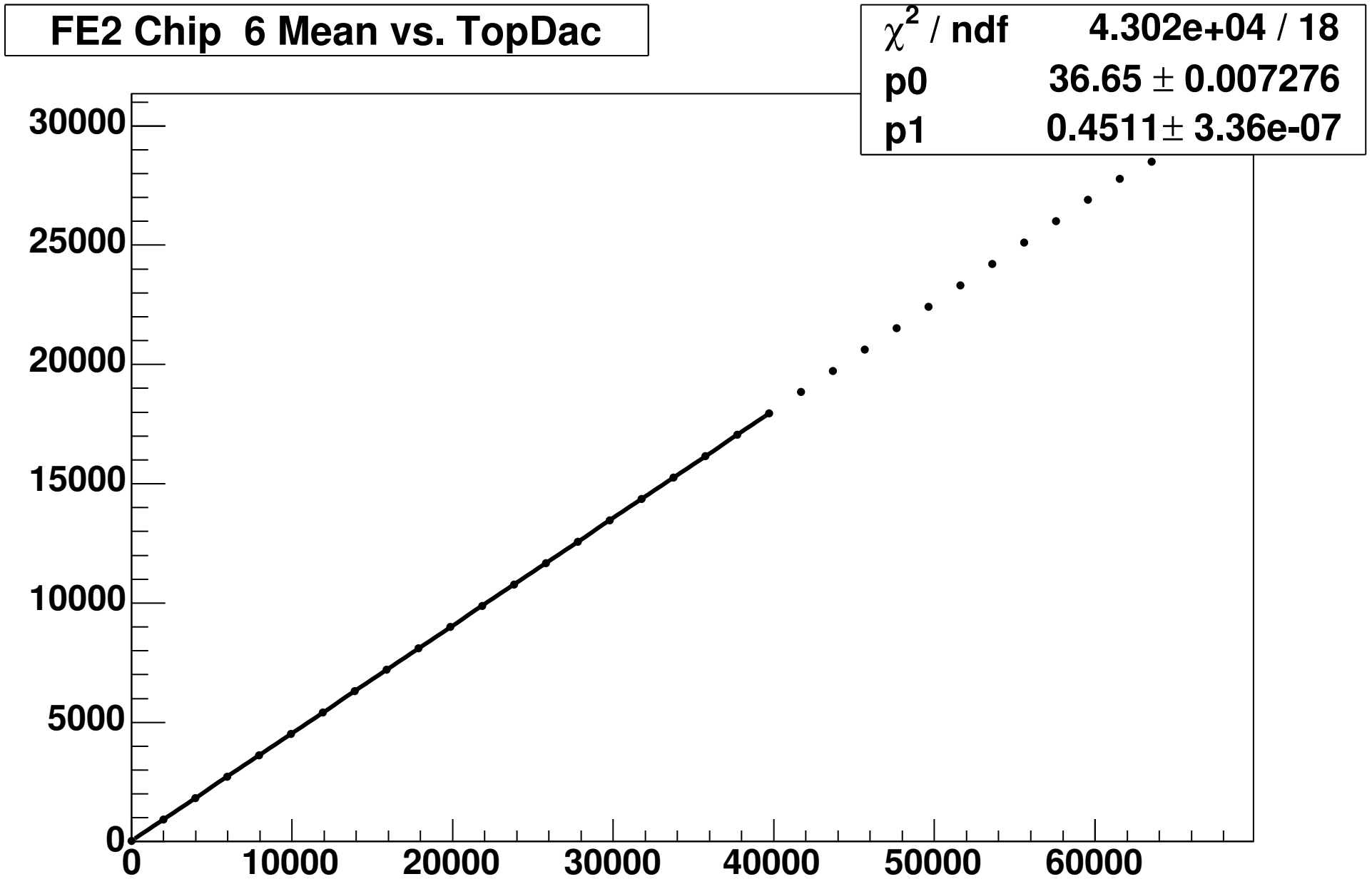

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 317.7 / 18
p0 1.326 ± 0.003874
p1 3.45e-05 ± 2.708e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

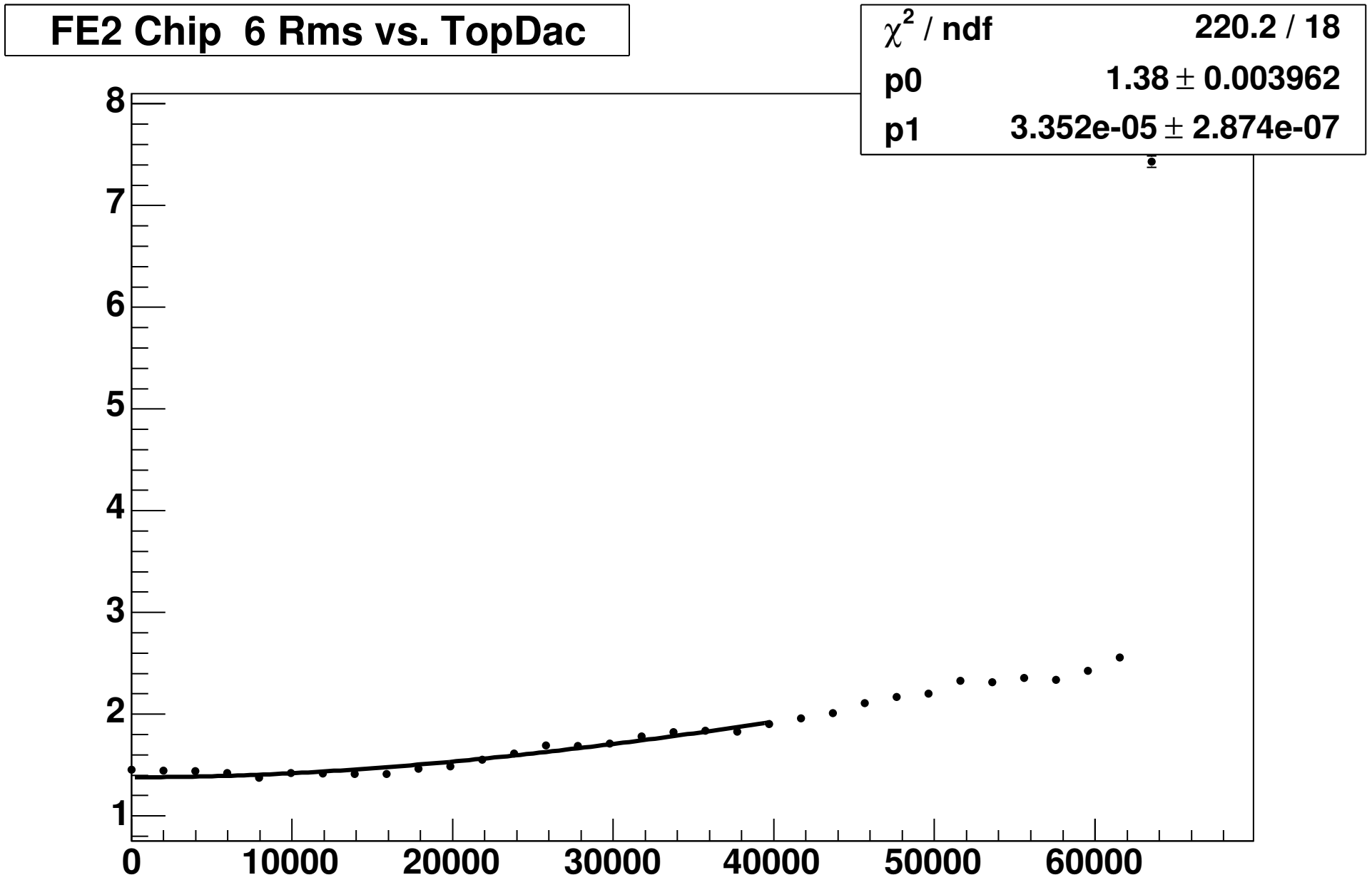

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 143.4 / 18
p0 -67.14 ± 0.007162
p1 3.327e-06 ± 3.009e-07
-66.9
-66.95
-67
-67.05
-67.1
-67.15
-67.2
-67.25
0
10000
20000
30000
40000
50000
60000

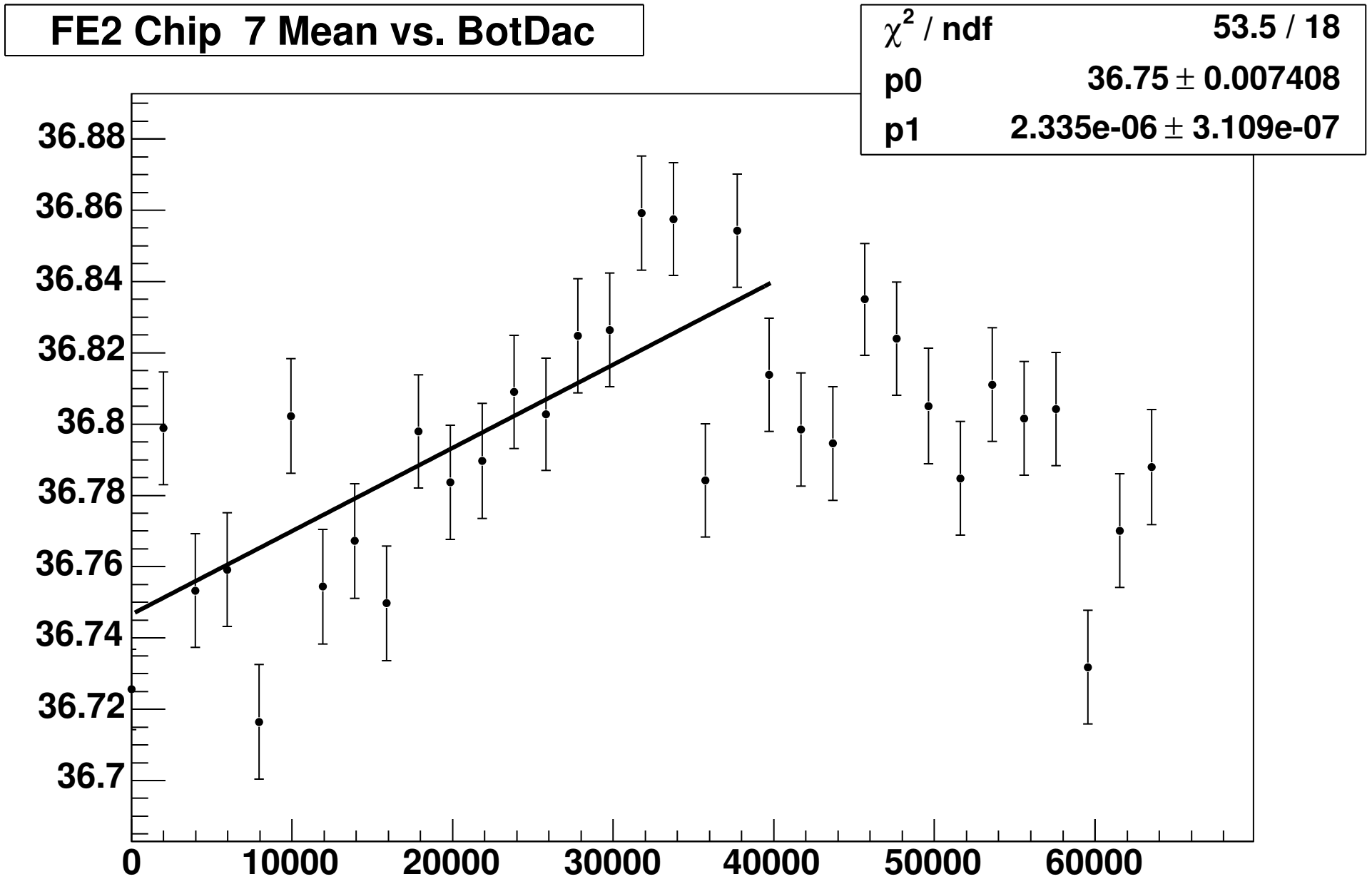

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 31.01 / 18
p0 1.449 ± 0.002441
p1 4.719e-14 ± 3.128e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

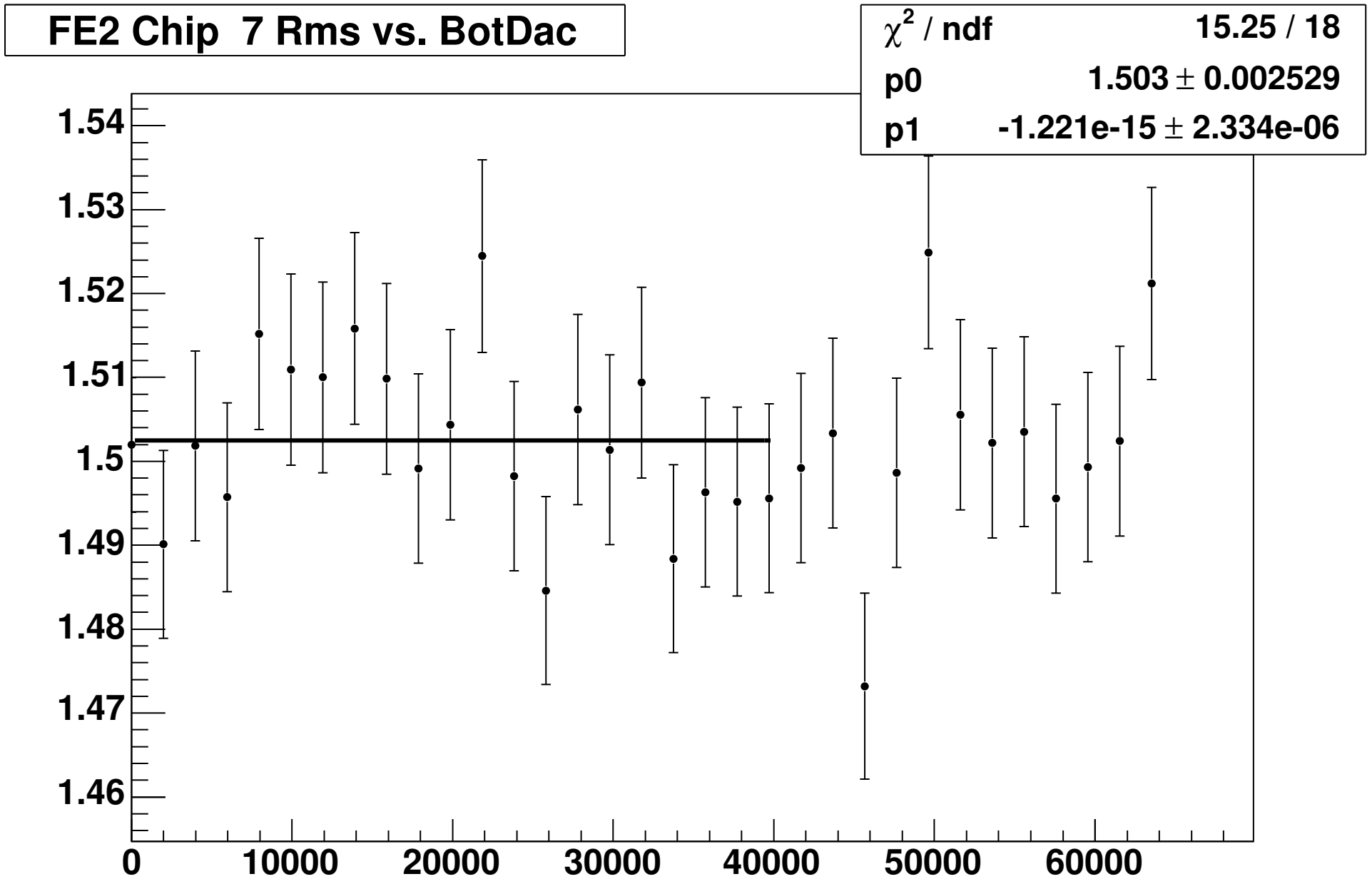

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 52.03 / 18
p0 34.72 ± 0.007168
p1 2.468e-06 ± 3.01e-07
34.86
34.84
34.82
34.8
34.78
34.76
34.74
34.72
34.7
0
10000
20000
30000
40000
50000
60000

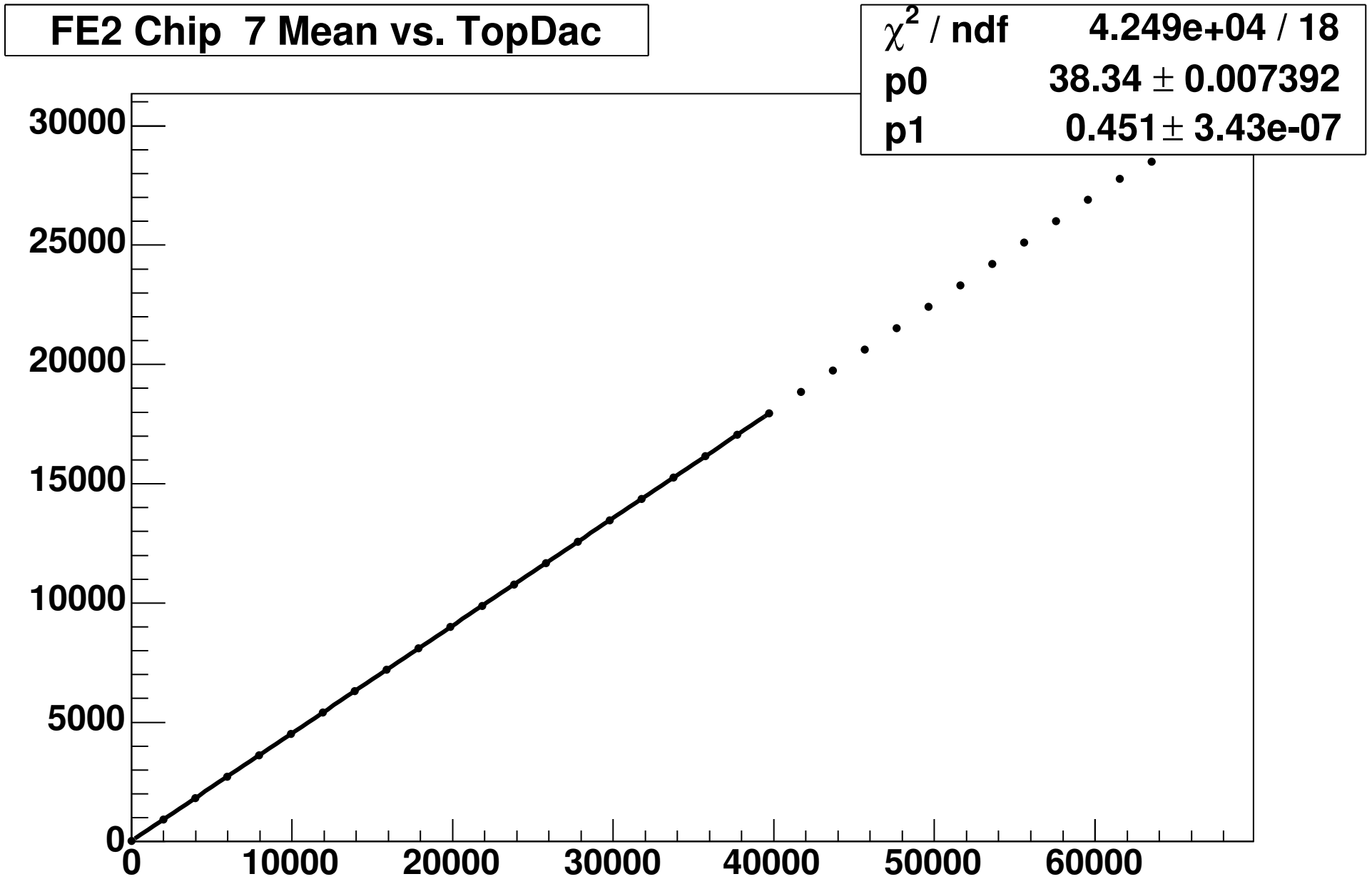

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 18.76 / 18
p0 1.451 ± 0.002444
p1 -6.044e-14 ± 2.758e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

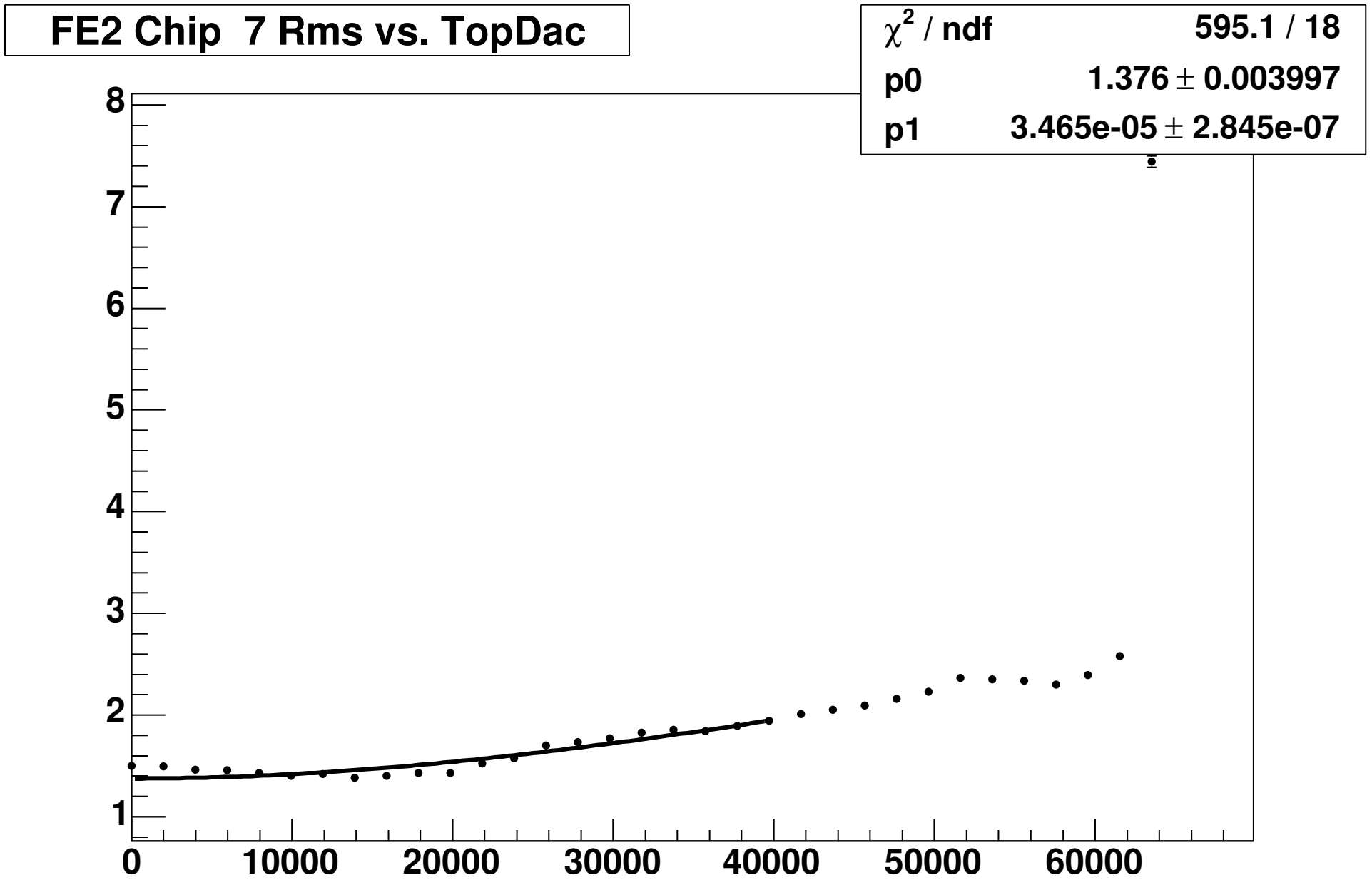

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 4.302e+04 / 18
p0 36.65 ± 0.007276
p1 0.4511 ± 3.36e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

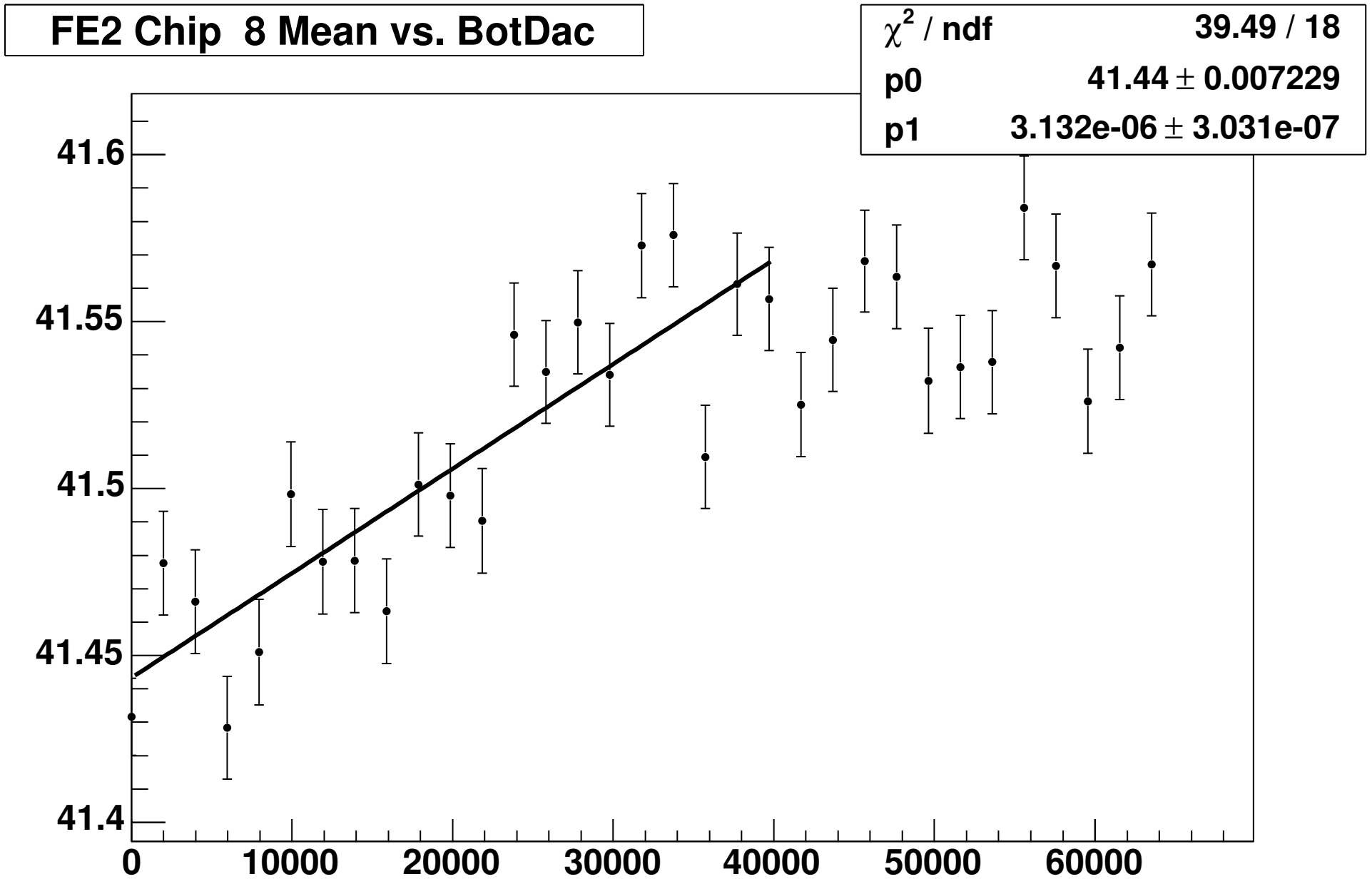

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 220.2 / 18
p0 1.38 ± 0.003962
p1 3.352e-05 ± 2.874e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

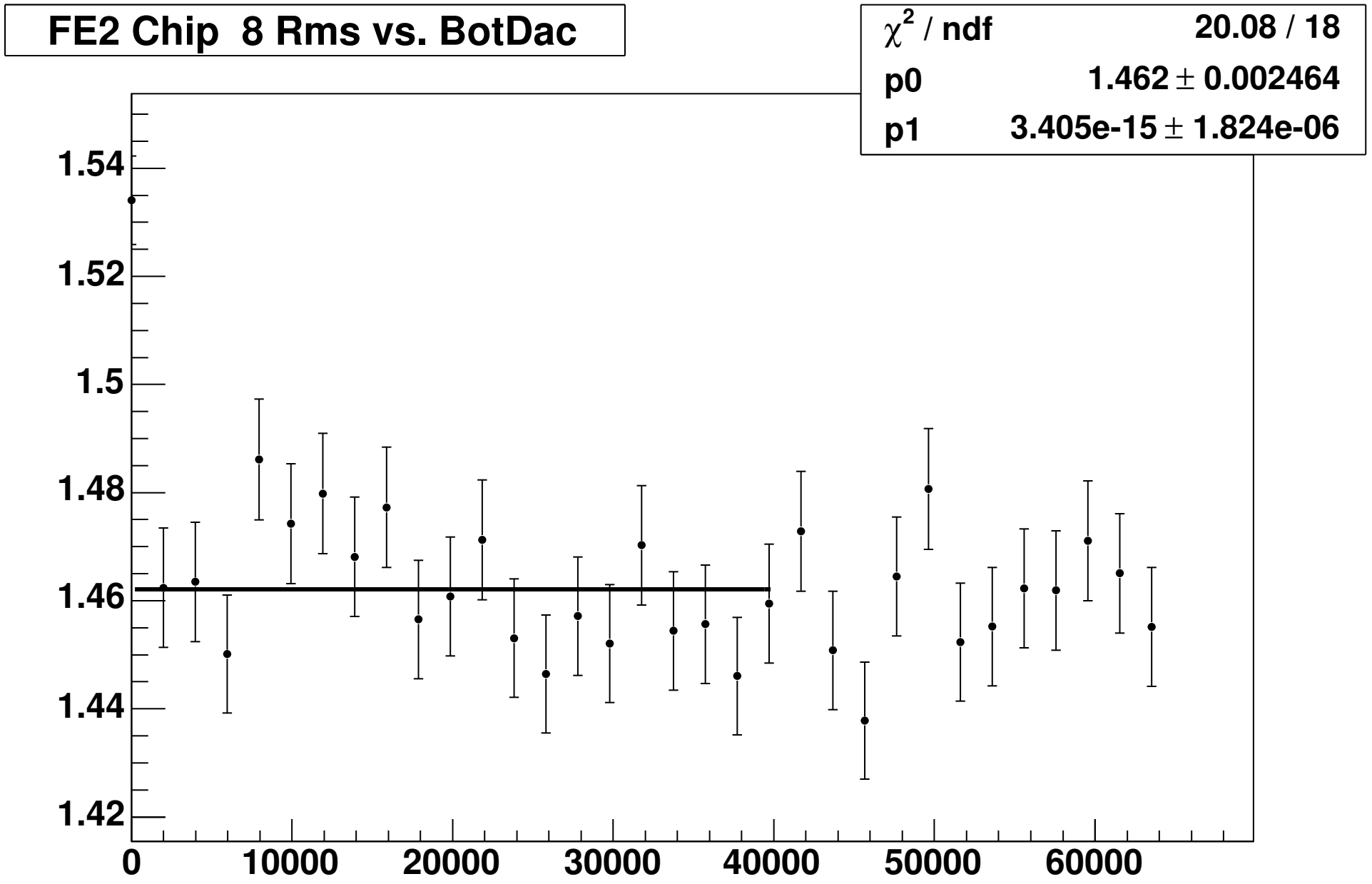

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 53.5 / 18
p0 36.75 ± 0.007408
p1 2.335e-06 ± 3.109e-07
36.88
36.86
36.84
36.82
36.8
36.78
36.76
36.74
36.72
36.7
0
10000
20000
30000
40000
50000
60000

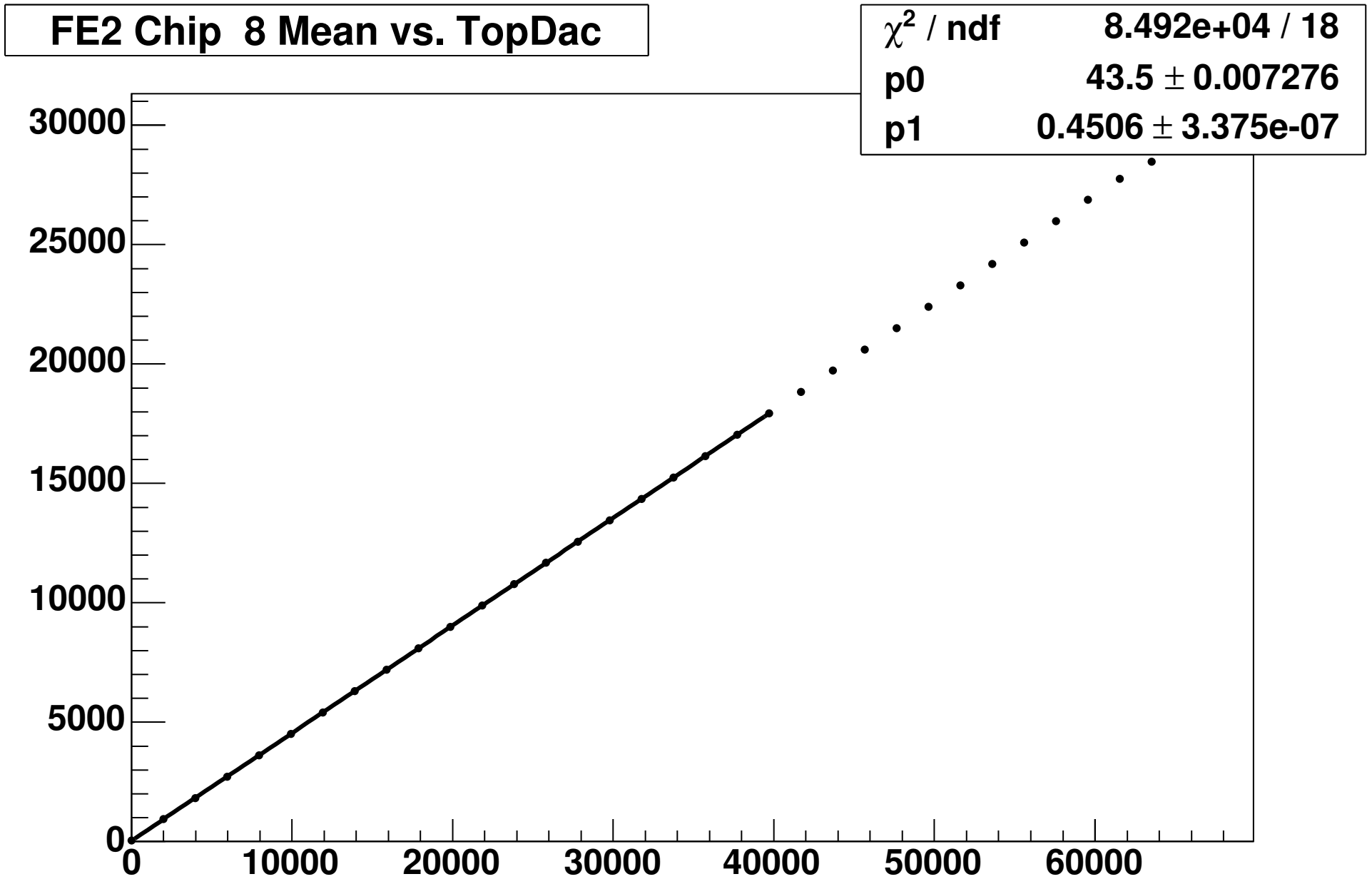

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 15.25 / 18
p0 1.503 ± 0.002529
p1 -1.221e-15 ± 2.334e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

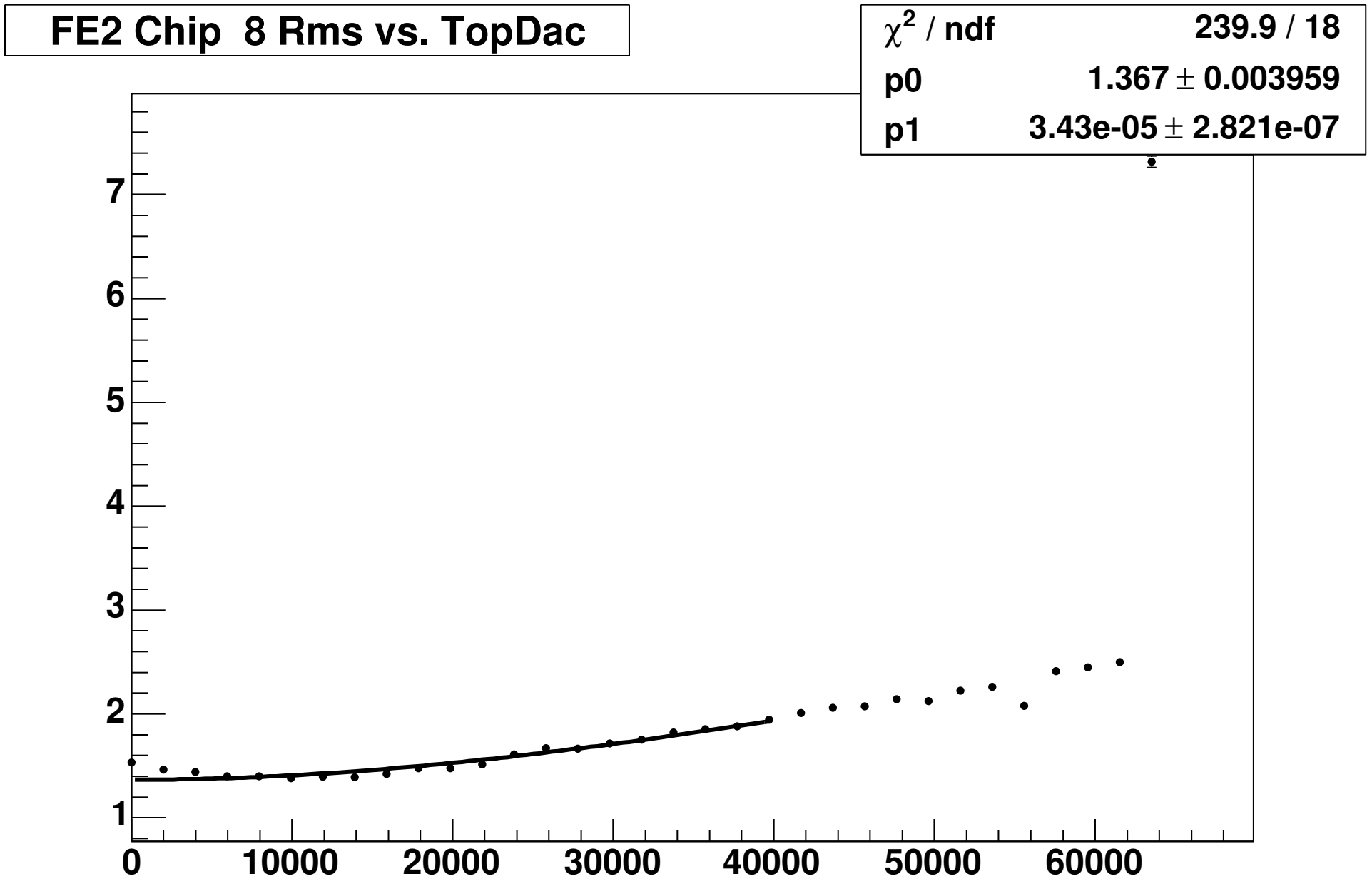

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 4.249e+04 / 18
p0 38.34 ± 0.007392
p1 0.451 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

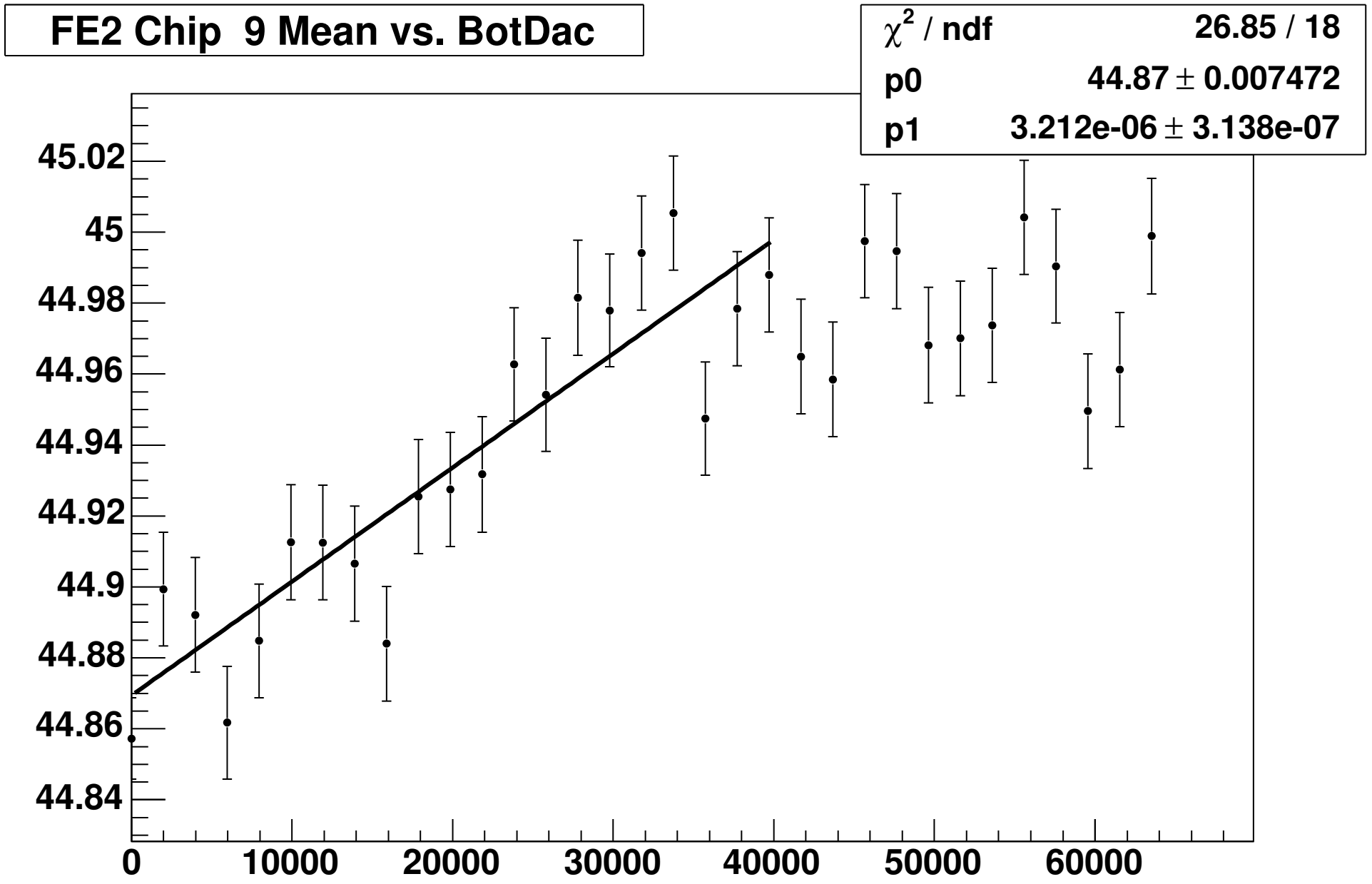

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 595.1 / 18
p0 1.376 ± 0.003997
p1 3.465e-05 ± 2.845e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

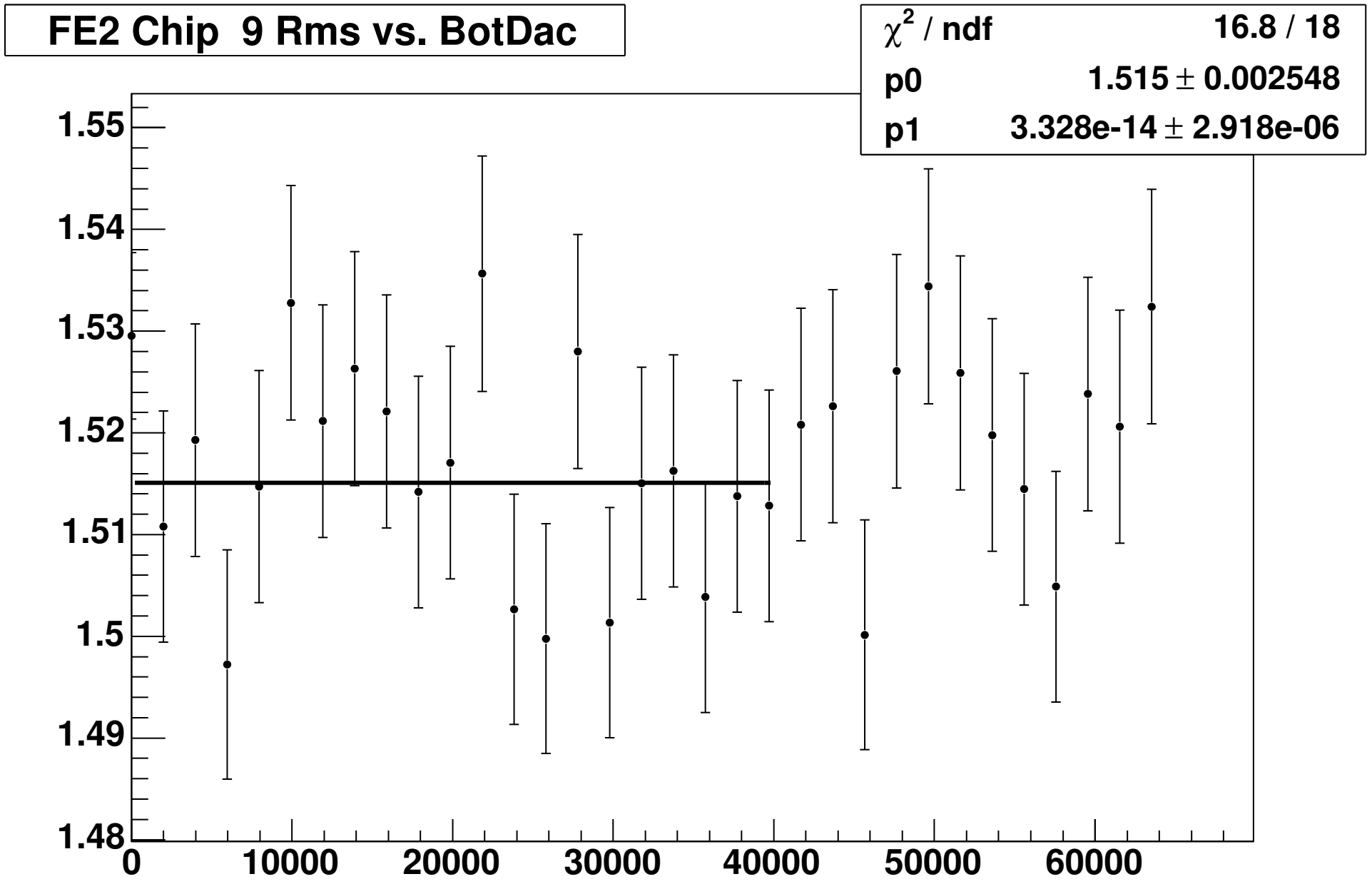

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 39.49 / 18
p0 41.44 ± 0.007229
p1 3.132e-06 ± 3.031e-07
41.6
41.55
41.5
41.45
41.4
0
10000
20000
30000
40000
50000
60000

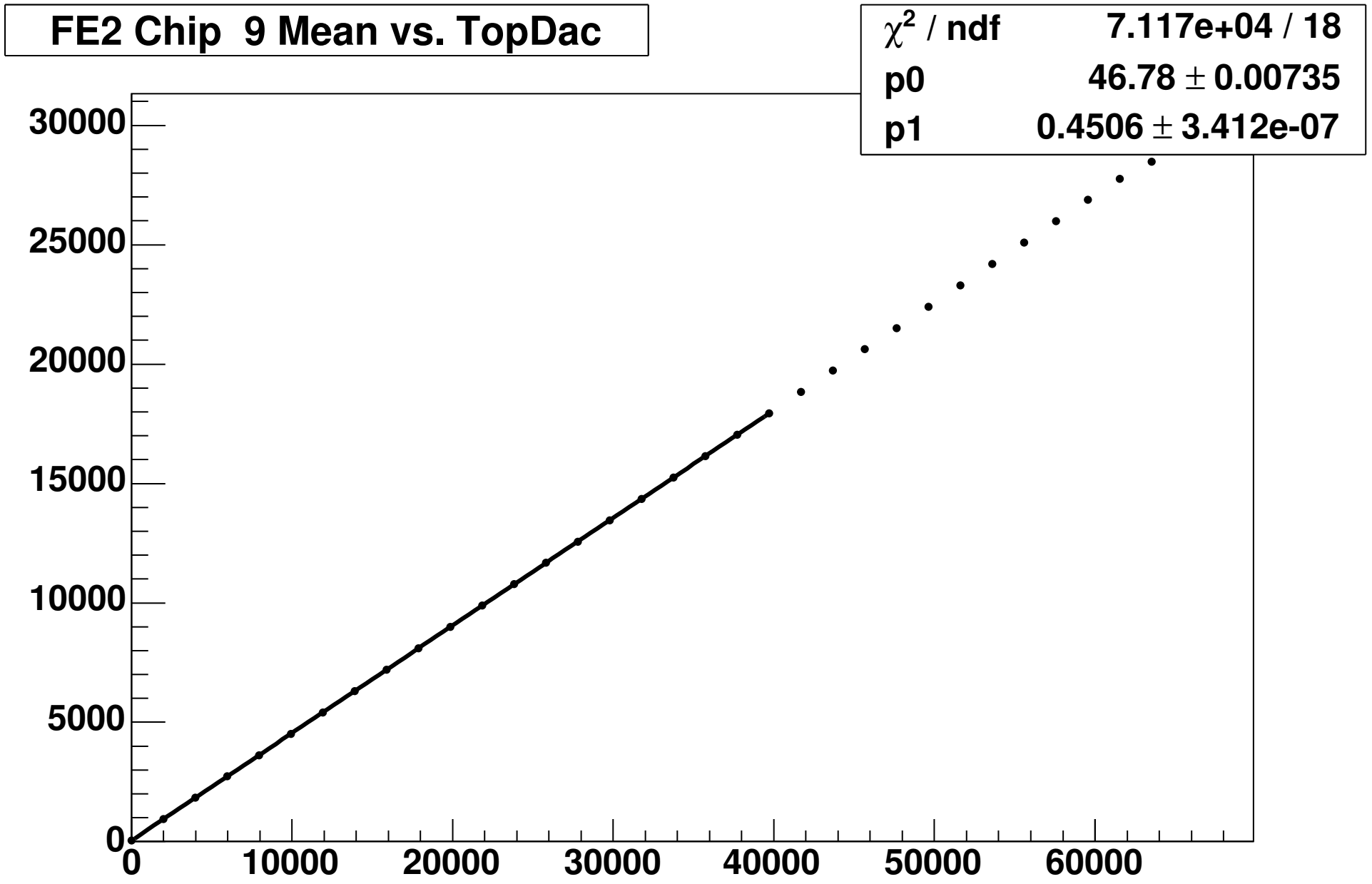

FE2 Chip 8 Rms vs. BotDac
χ² / ndf 20.08 / 18
p0 1.462 ± 0.002464
p1 3.405e-15 ± 1.824e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

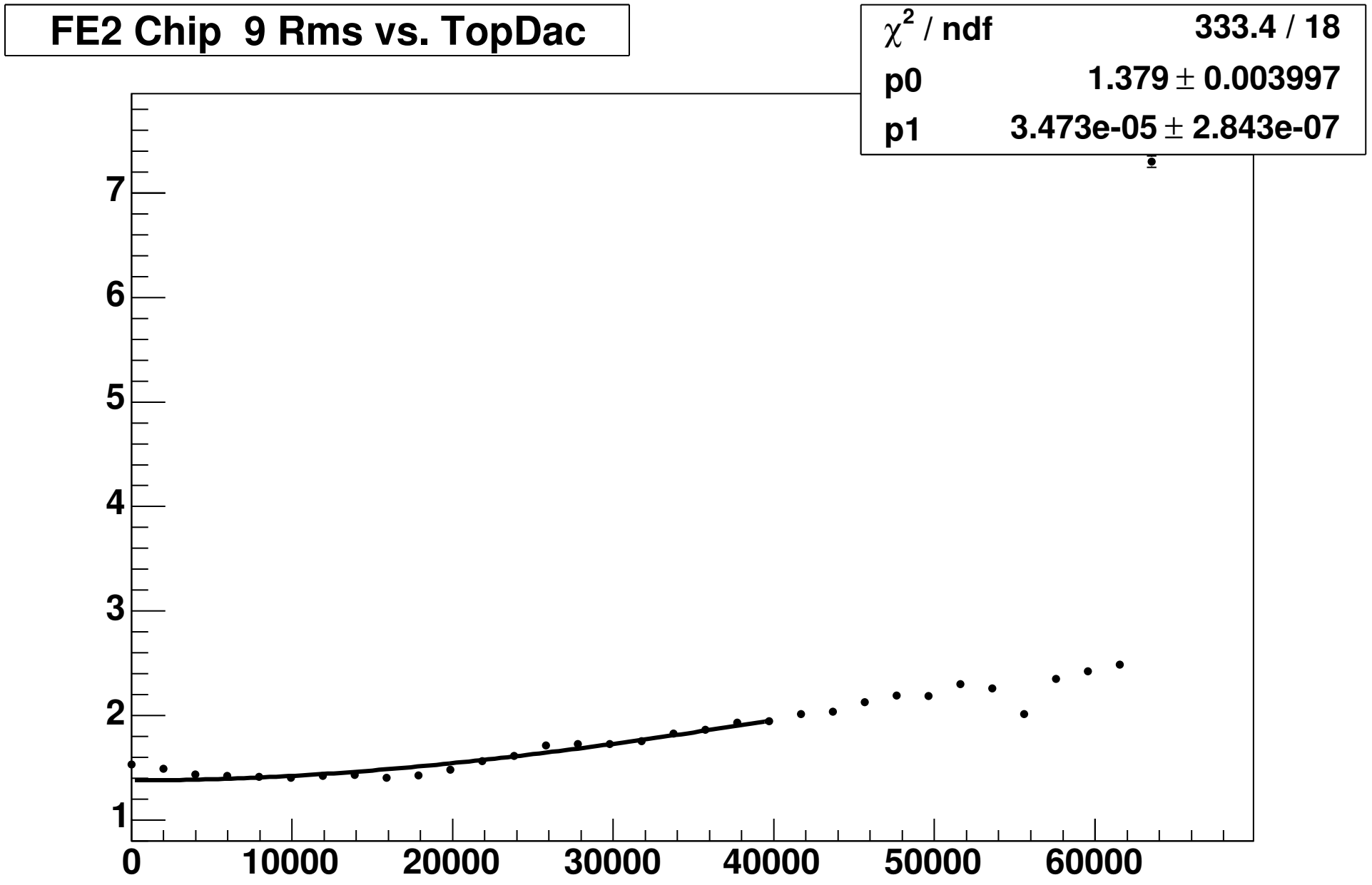

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 8.492e+04 / 18
p0 43.5 ± 0.007276
p1 0.4506 ± 3.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

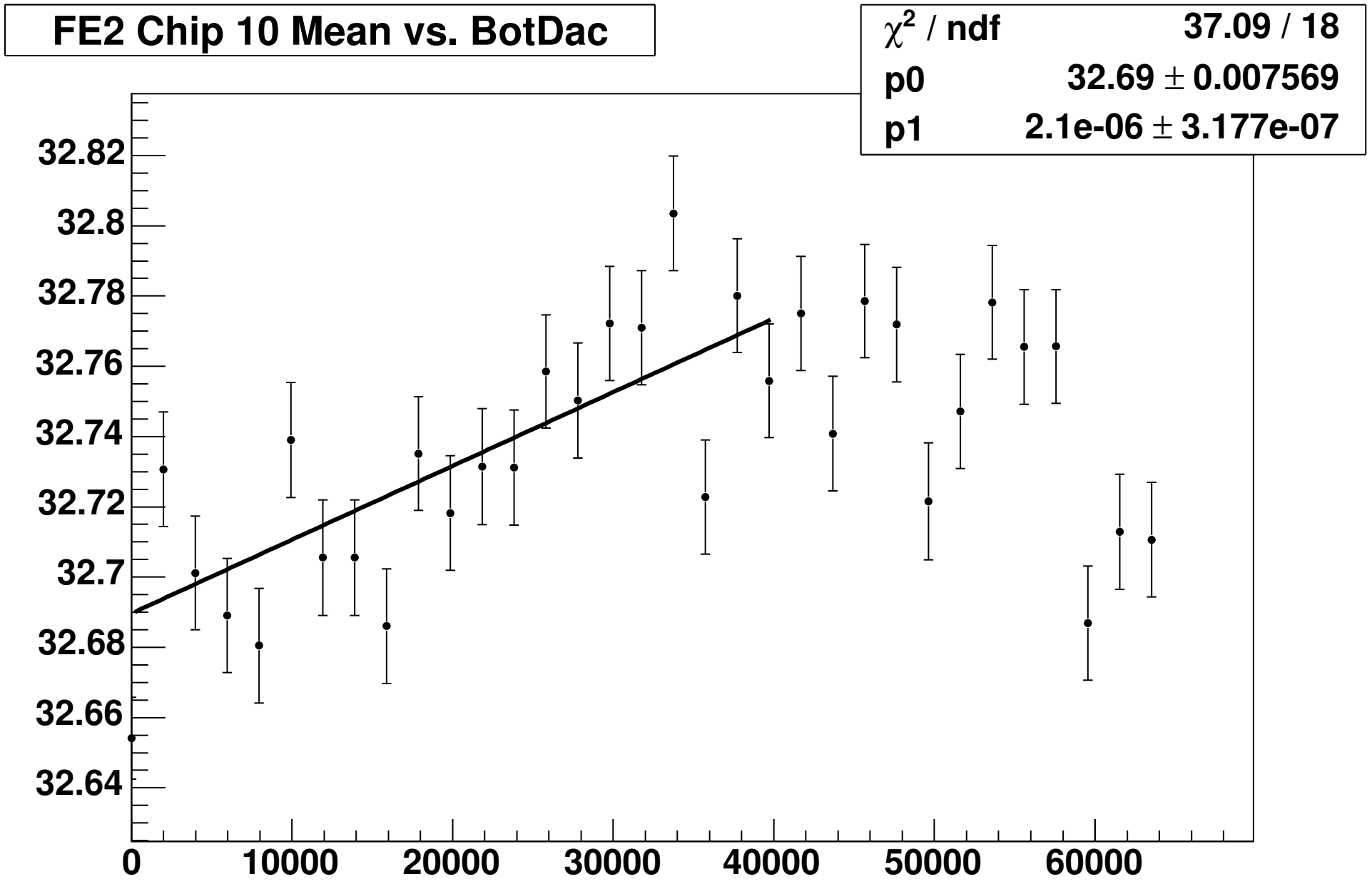

FE2 Chip 8 Rms vs. TopDac
χ² / ndf 239.9 / 18
p0 1.367 ± 0.003959
p1 3.43e-05 ± 2.821e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

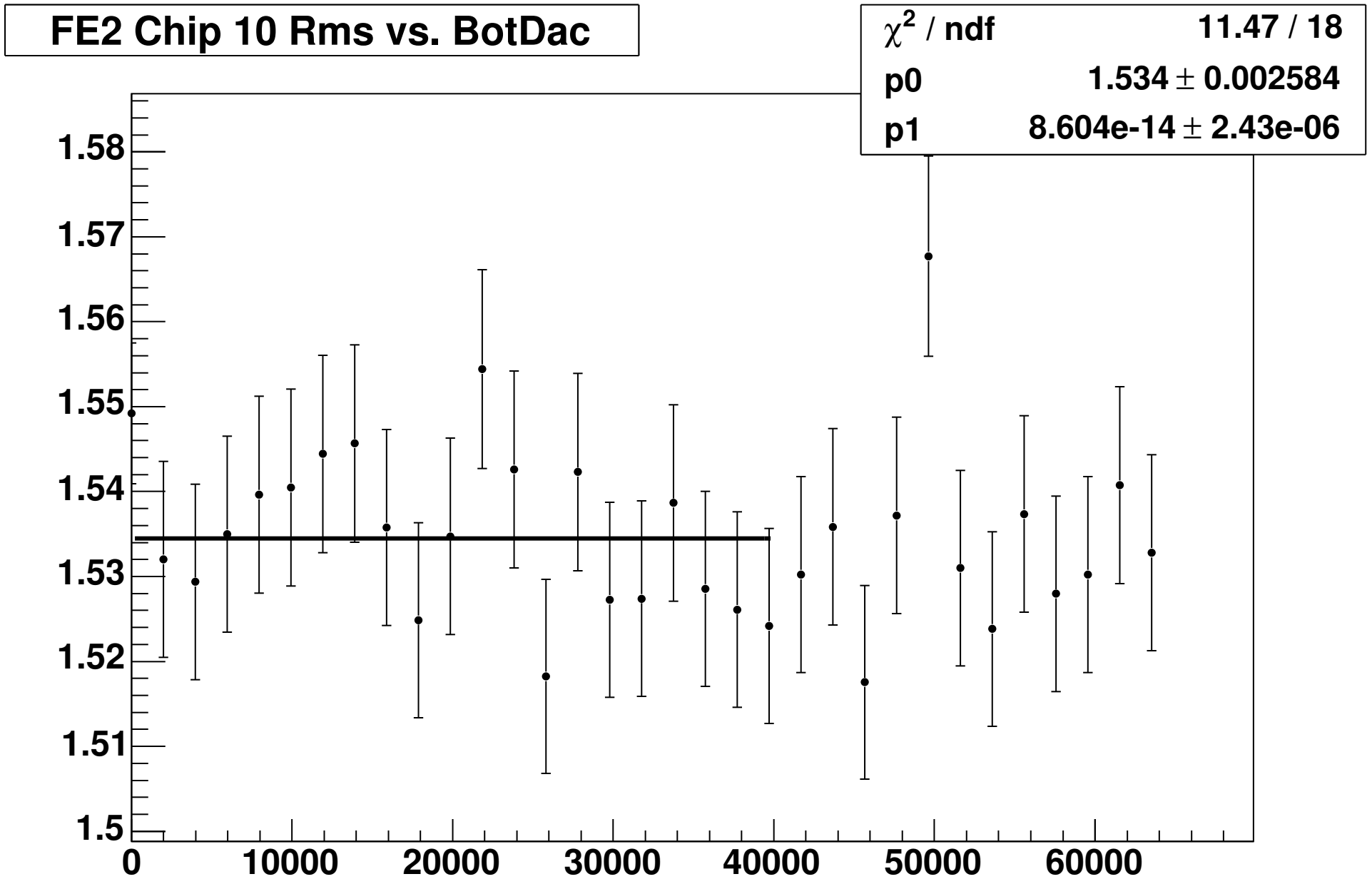

FE2 Chip 9 Mean vs. BotDac
χ² / ndf 26.85 / 18
p0 44.87 ± 0.007472
p1 3.212e-06 ± 3.138e-07
45.02
45
44.98
44.96
44.94
44.92
44.9
44.88
44.86
44.84
0
10000
20000
30000
40000
50000
60000

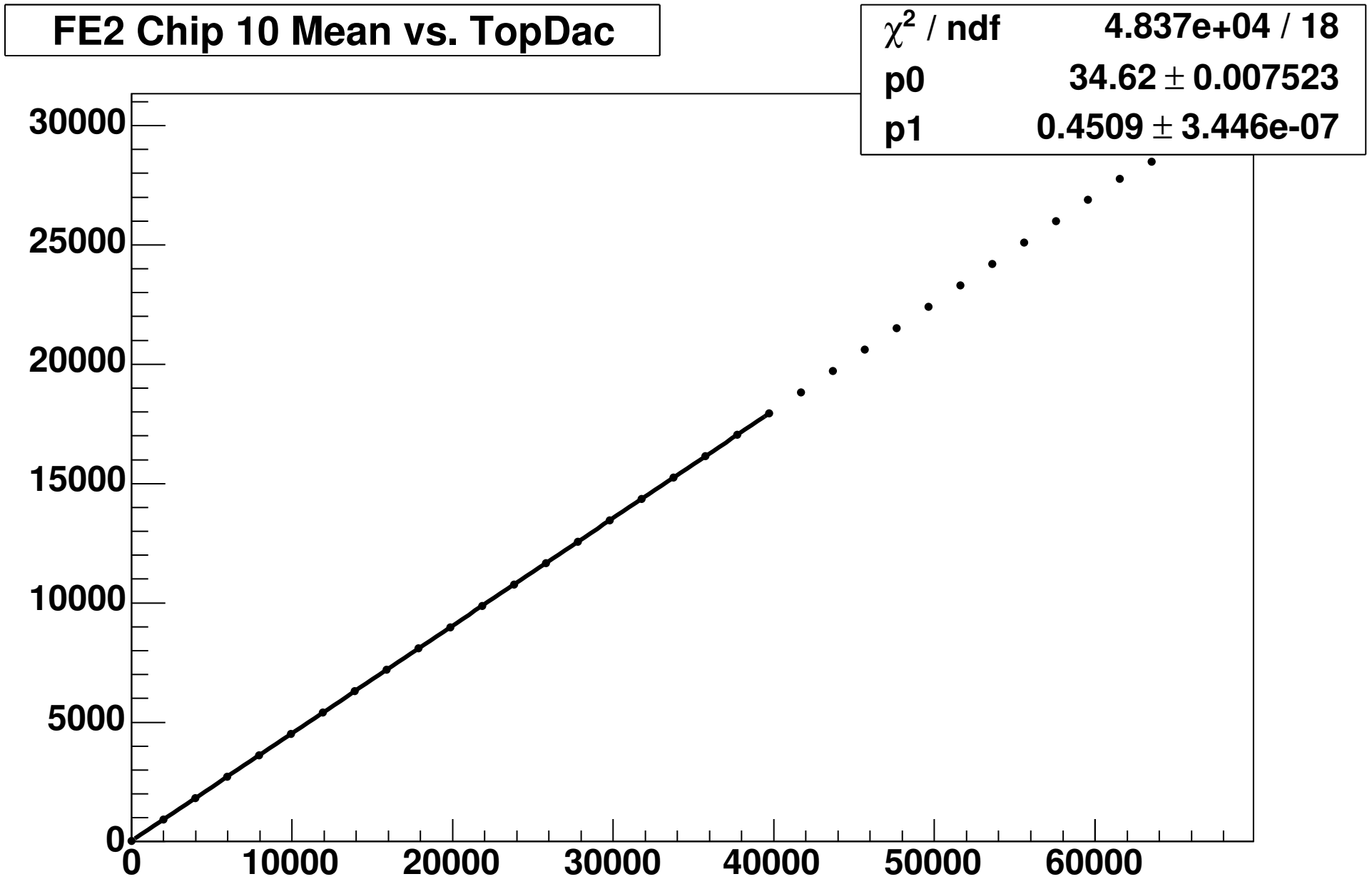

FE2 Chip 9 Rms vs. BotDac
χ² / ndf 16.8 / 18
p0 1.515 ± 0.002548
p1 3.328e-14 ± 2.918e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

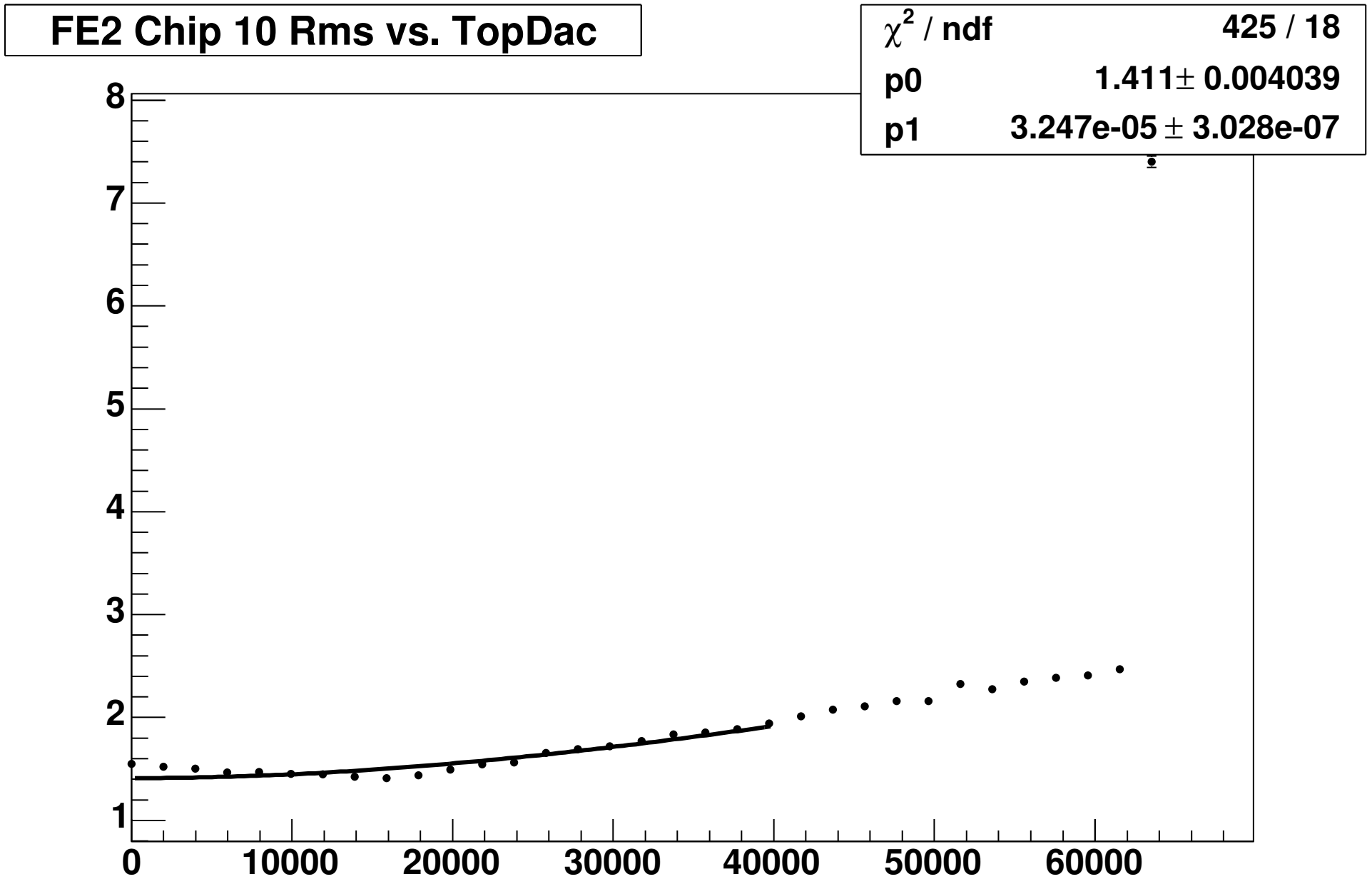

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 7.117e+04 / 18
p0 46.78 ± 0.00735
p1 0.4506 ± 3.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

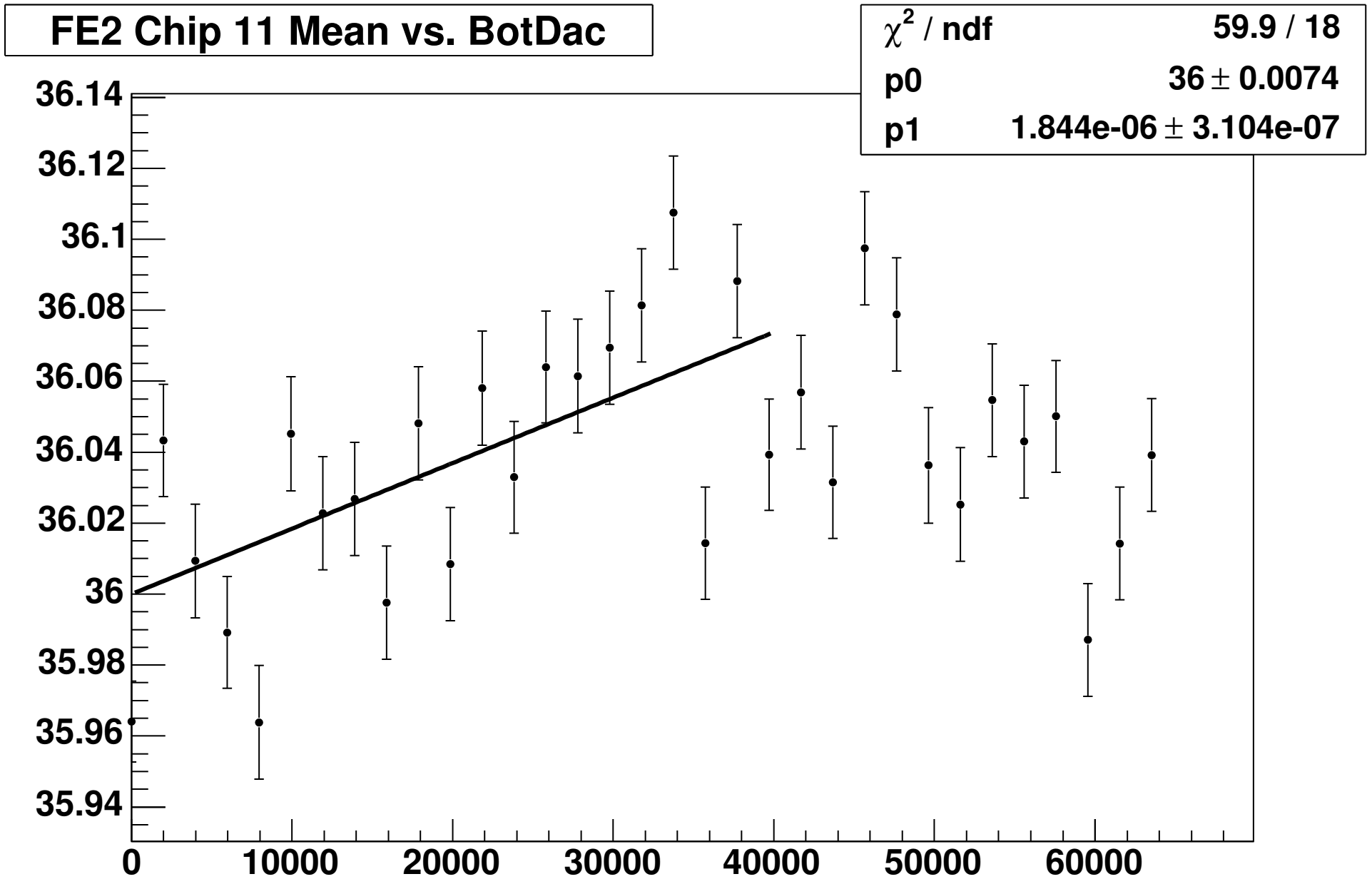

FE2 Chip 9 Rms vs. TopDac
χ² / ndf 333.4 / 18
p0 1.379 ± 0.003997
p1 3.473e-05 ± 2.843e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

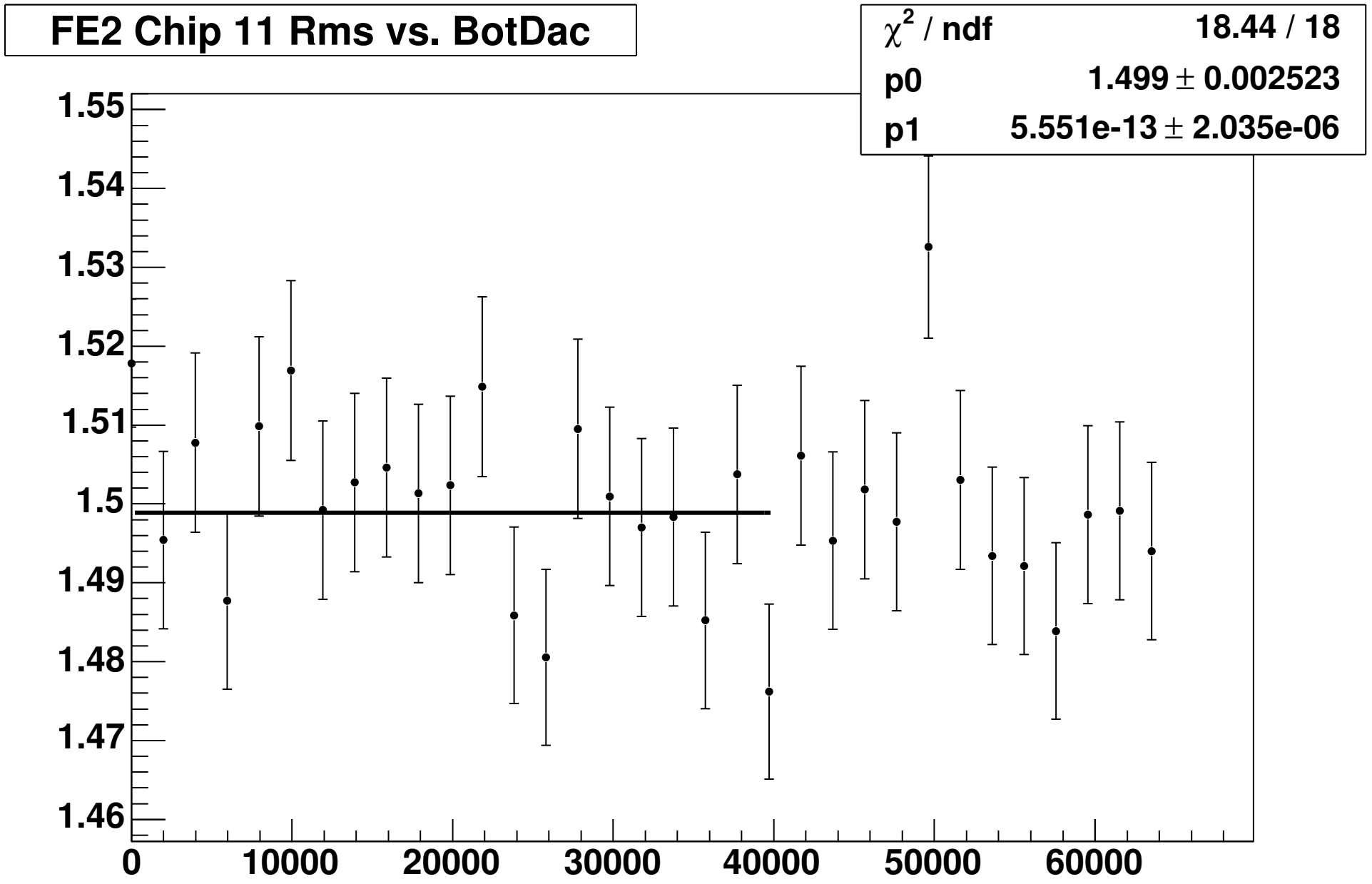

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 37.09 / 18
p0 32.69 ± 0.007569
p1 2.1e-06 ± 3.177e-07
32.82
32.8
32.78
32.76
32.74
32.72
32.7
32.68
32.66
32.64
0
10000
20000
30000
40000
50000
60000

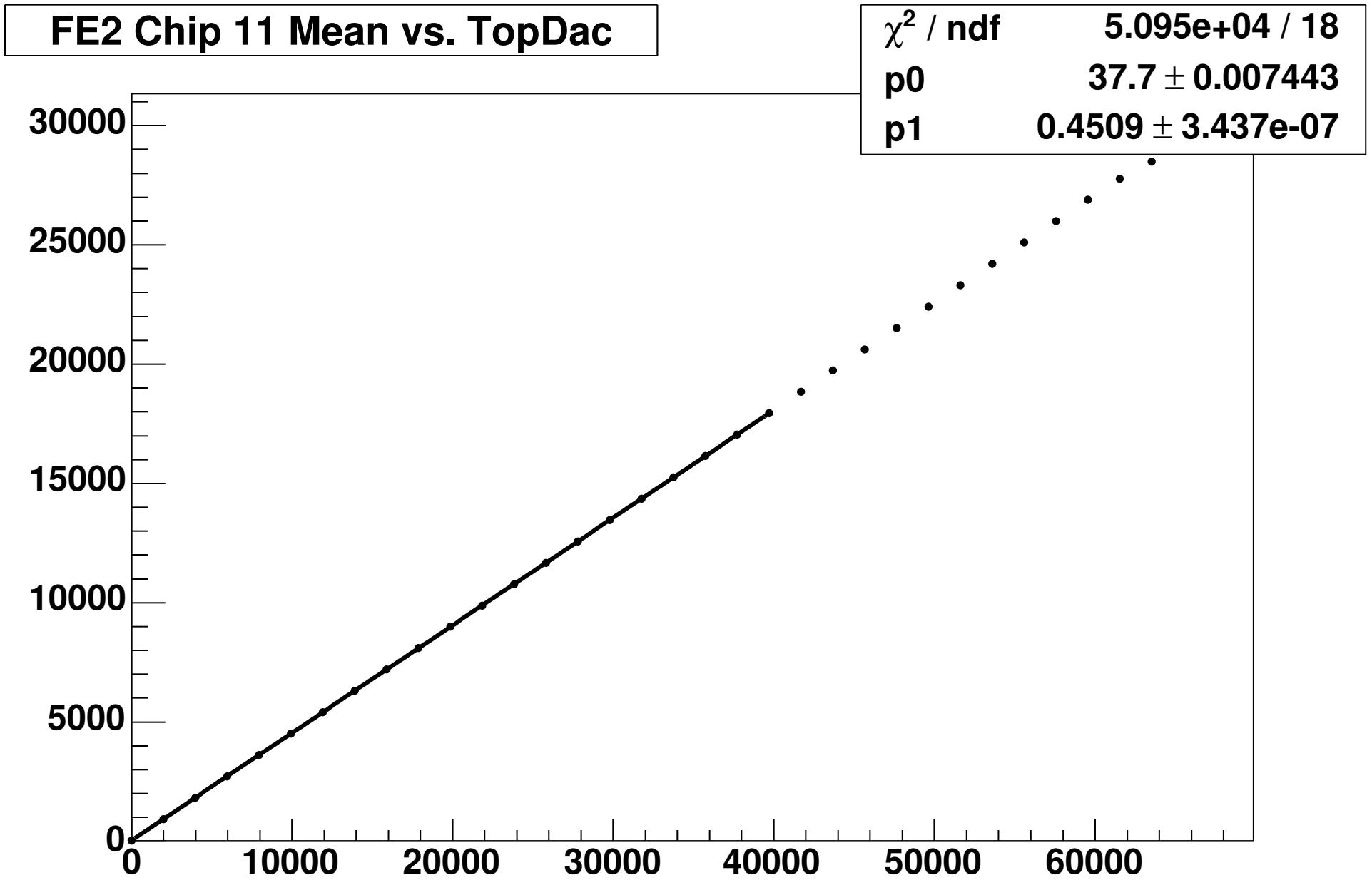

FE2 Chip 10 Rms vs. BotDac
χ² / ndf 11.47 / 18
p0 1.534 ± 0.002584
p1 8.604e-14 ± 2.43e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

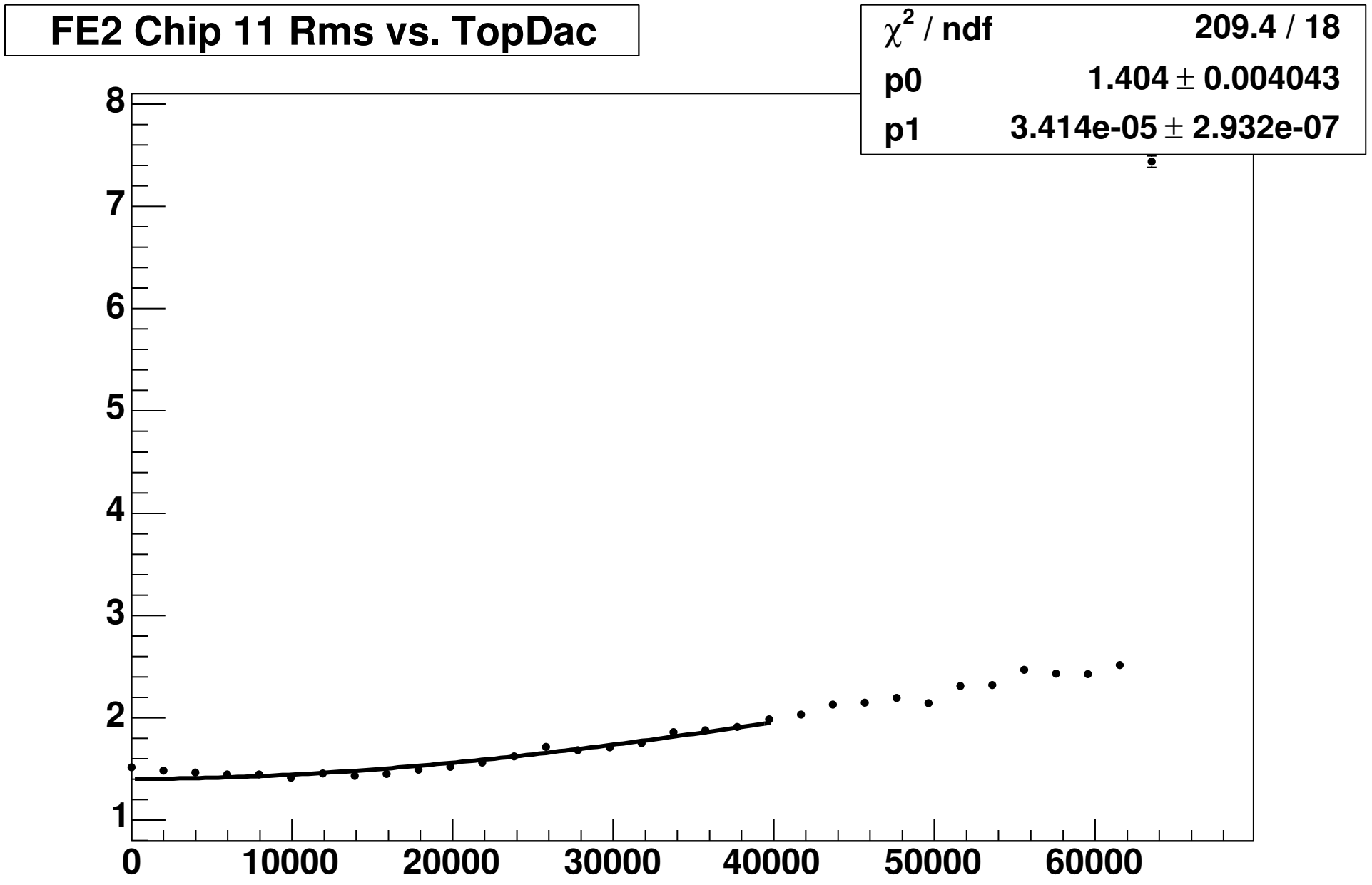

FE2 Chip 10 Mean vs. TopDac
χ² / ndf 4.837e+04 / 18
p0 34.62 ± 0.007523
p1 0.4509 ± 3.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

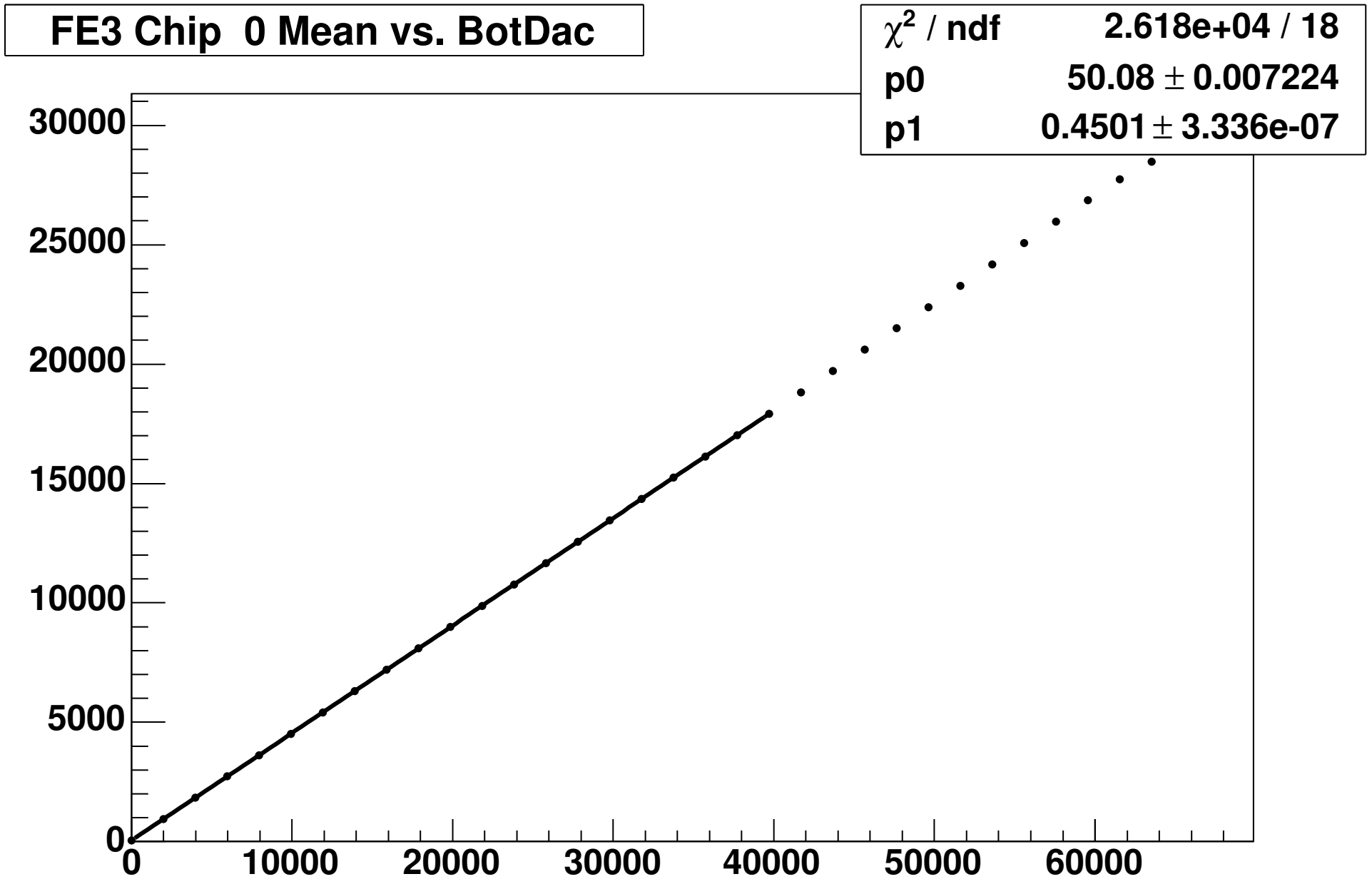

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 425 / 18
p0 1.411 ± 0.004039
p1 3.247e-05 ± 3.028e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

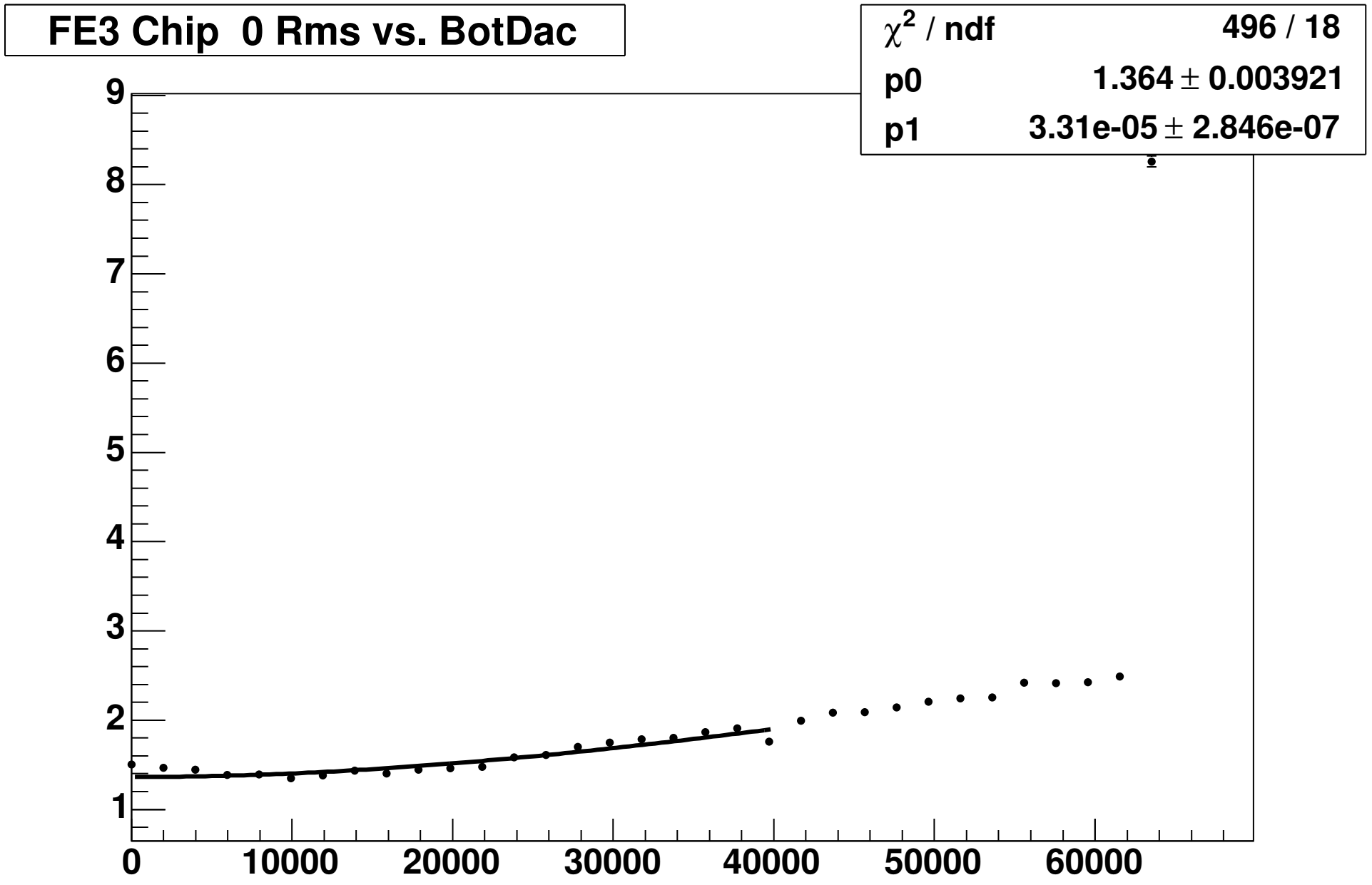

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 59.9 / 18
p0 36 ± 0.0074
p1 1.844e-06 ± 3.104e-07
36.14
36.12
36.1
36.08
36.06
36.04
36.02
36
35.98
35.96
35.94
0
10000
20000
30000
40000
50000
60000

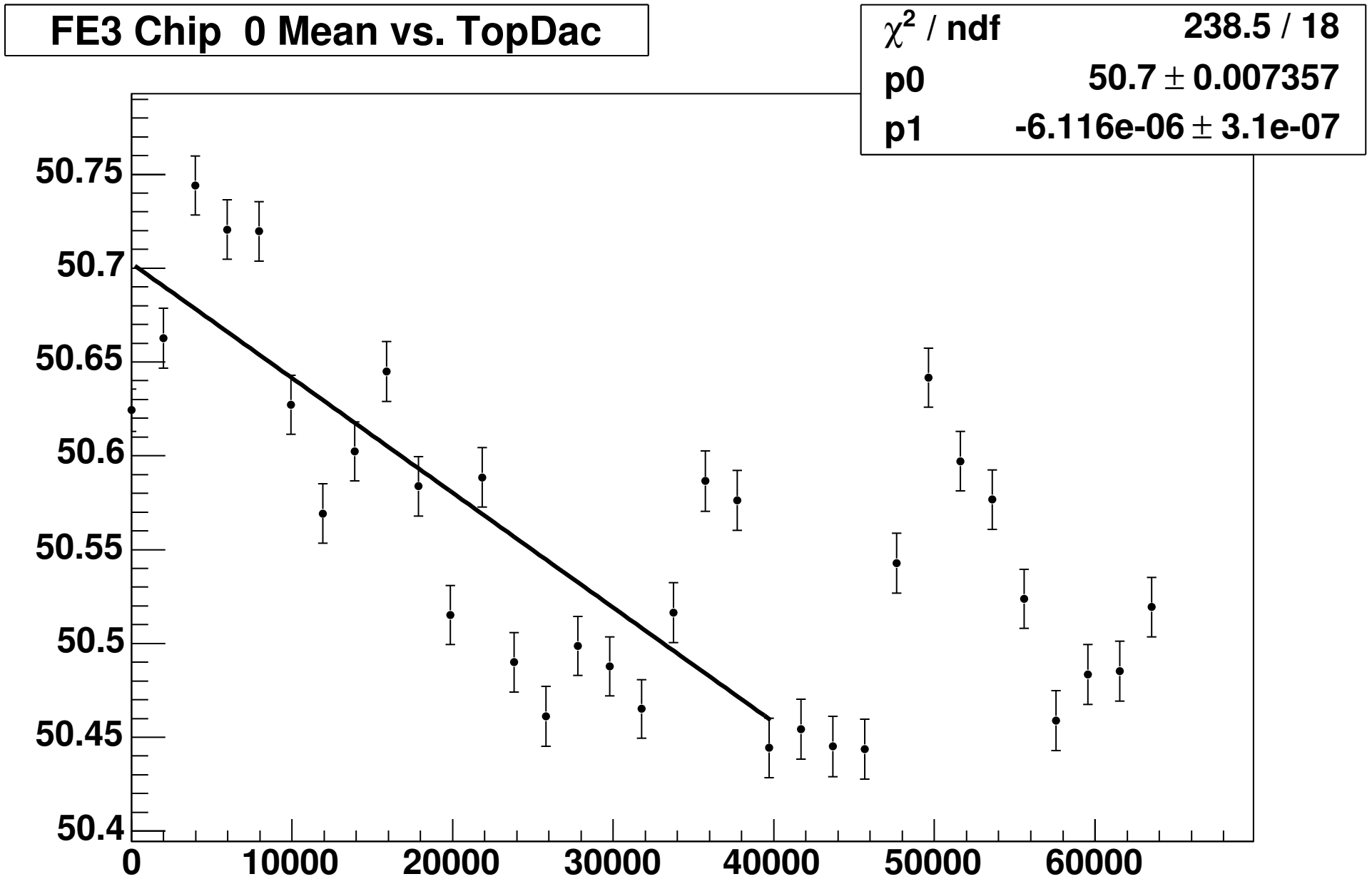

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 18.44 / 18
p0 1.499 ± 0.002523
p1 5.551e-13 ± 2.035e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

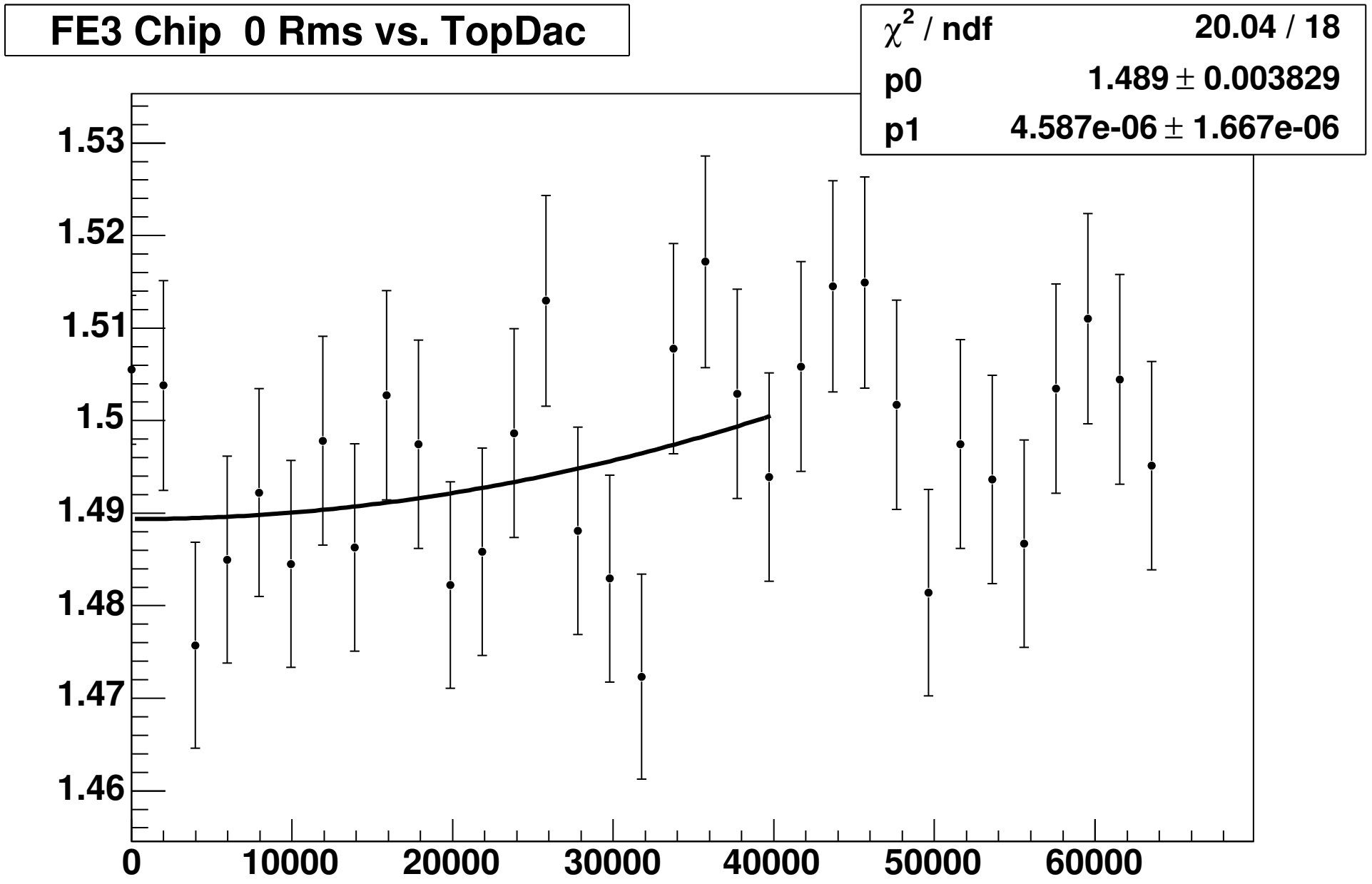

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 5.095e+04 / 18
p0 37.7 ± 0.007443
p1 0.4509 ± 3.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

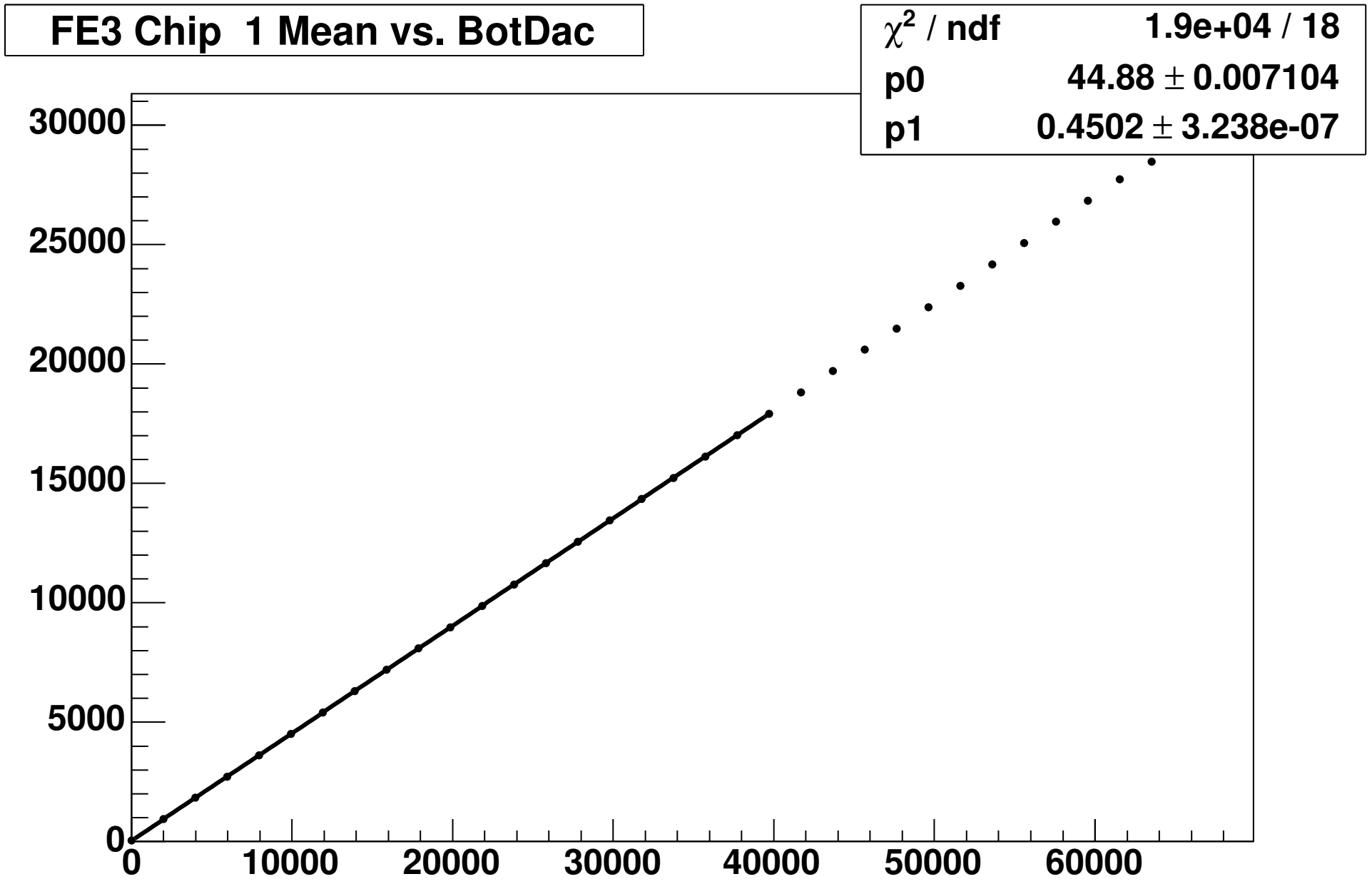

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 209.4 / 18
p0 1.404 ± 0.004043
p1 3.414e-05 ± 2.932e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

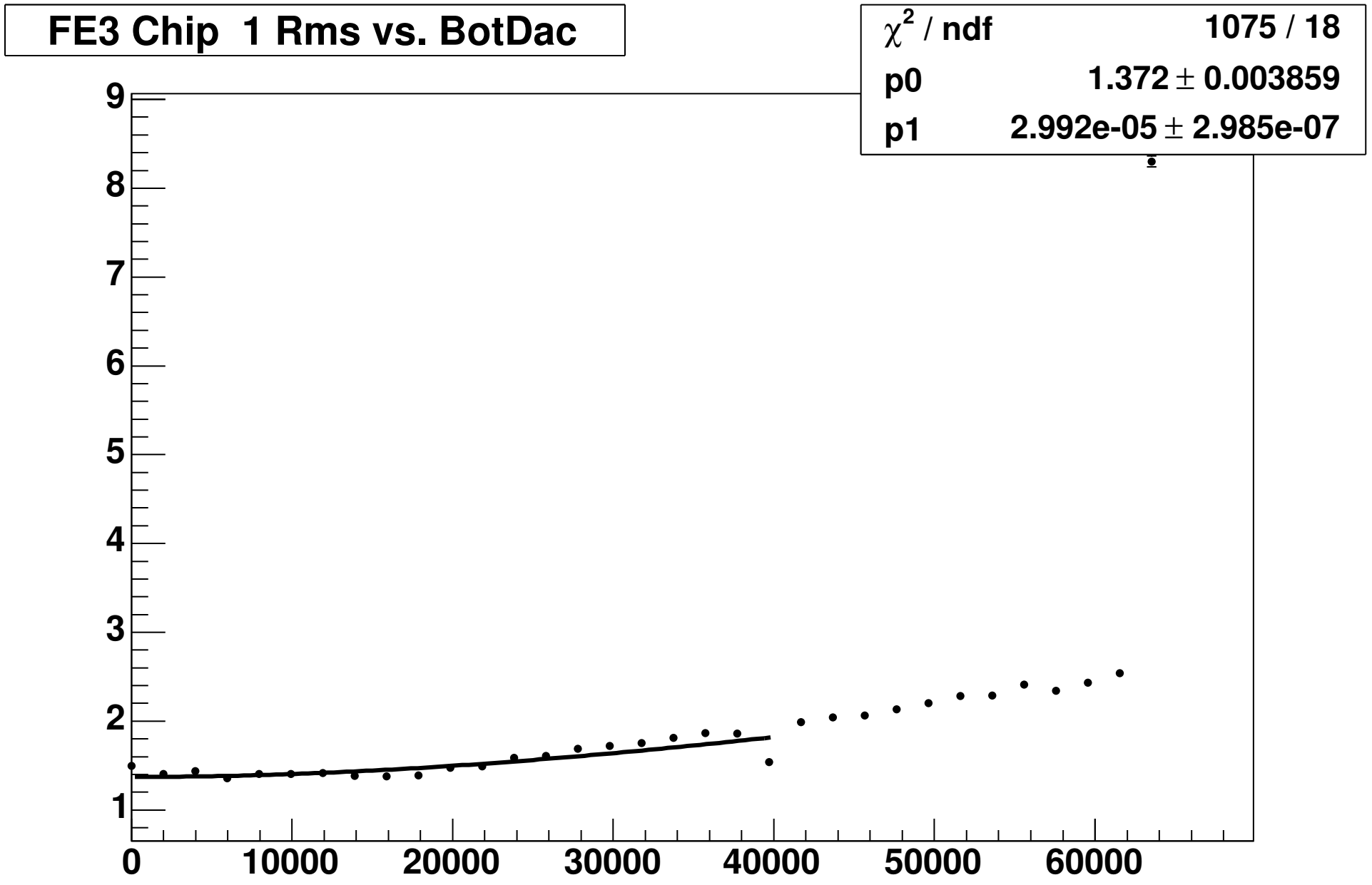

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 2.618e+04 / 18
p0 50.08 ± 0.007224
p1 0.4501 ± 3.336e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

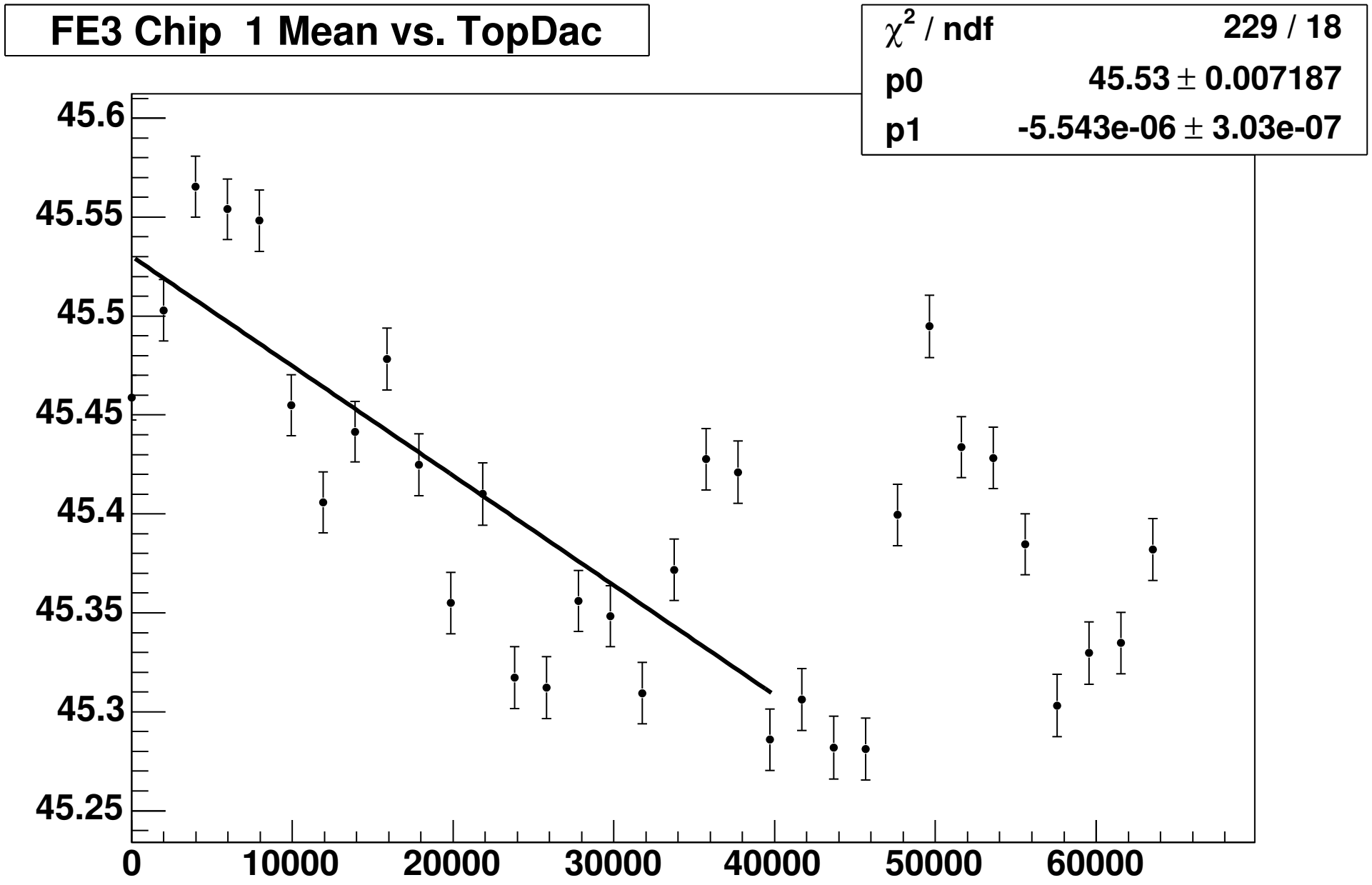

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 496 / 18
p0 1.364 ± 0.003921
p1 3.31e-05 ± 2.846e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

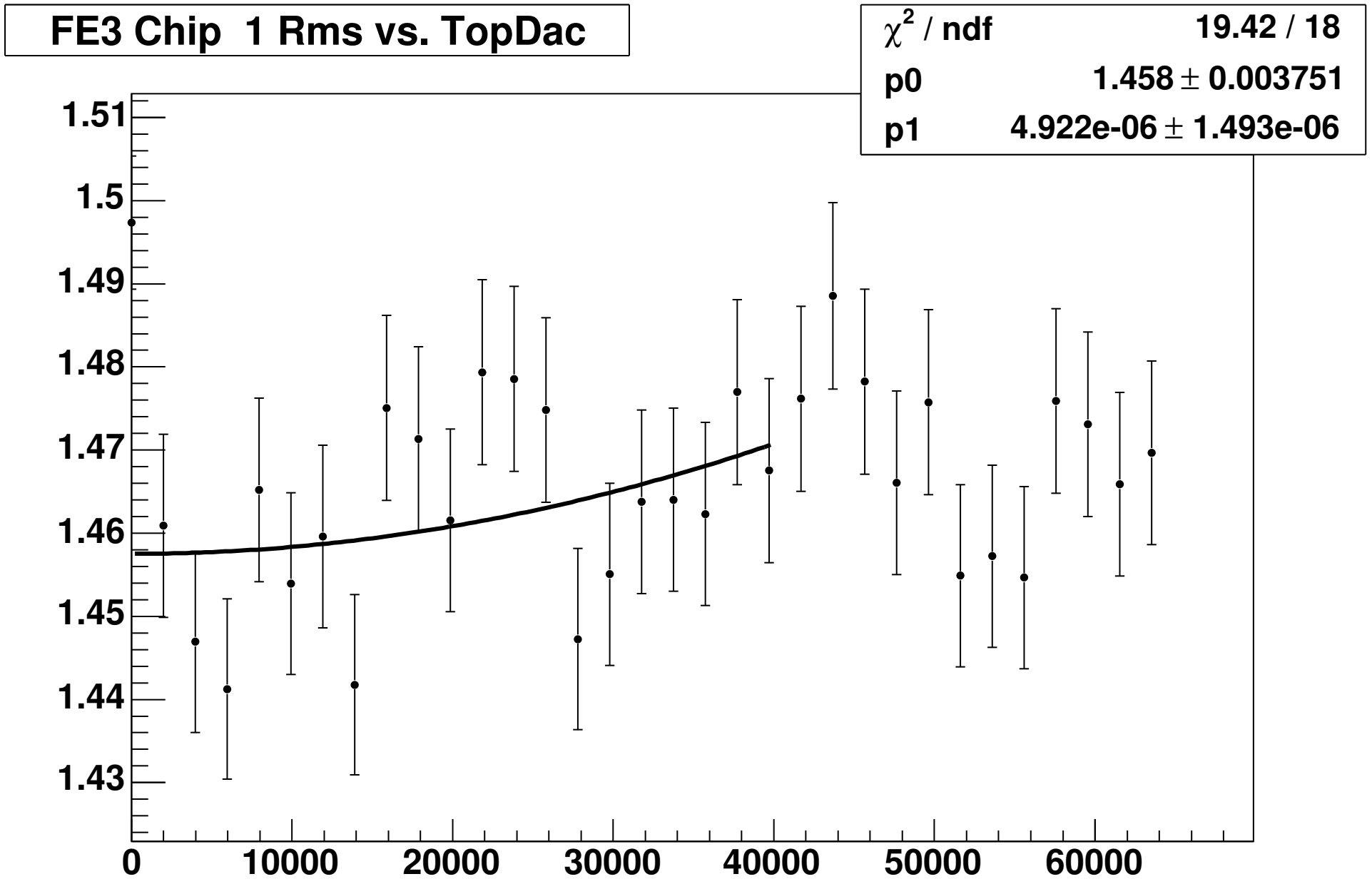

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 238.5 / 18
p0 50.7 ± 0.007357
p1 -6.116e-06 ± 3.1e-07
50.75
50.7
50.65
50.6
50.55
50.5
50.45
50.4
0
10000
20000
30000
40000
50000
60000

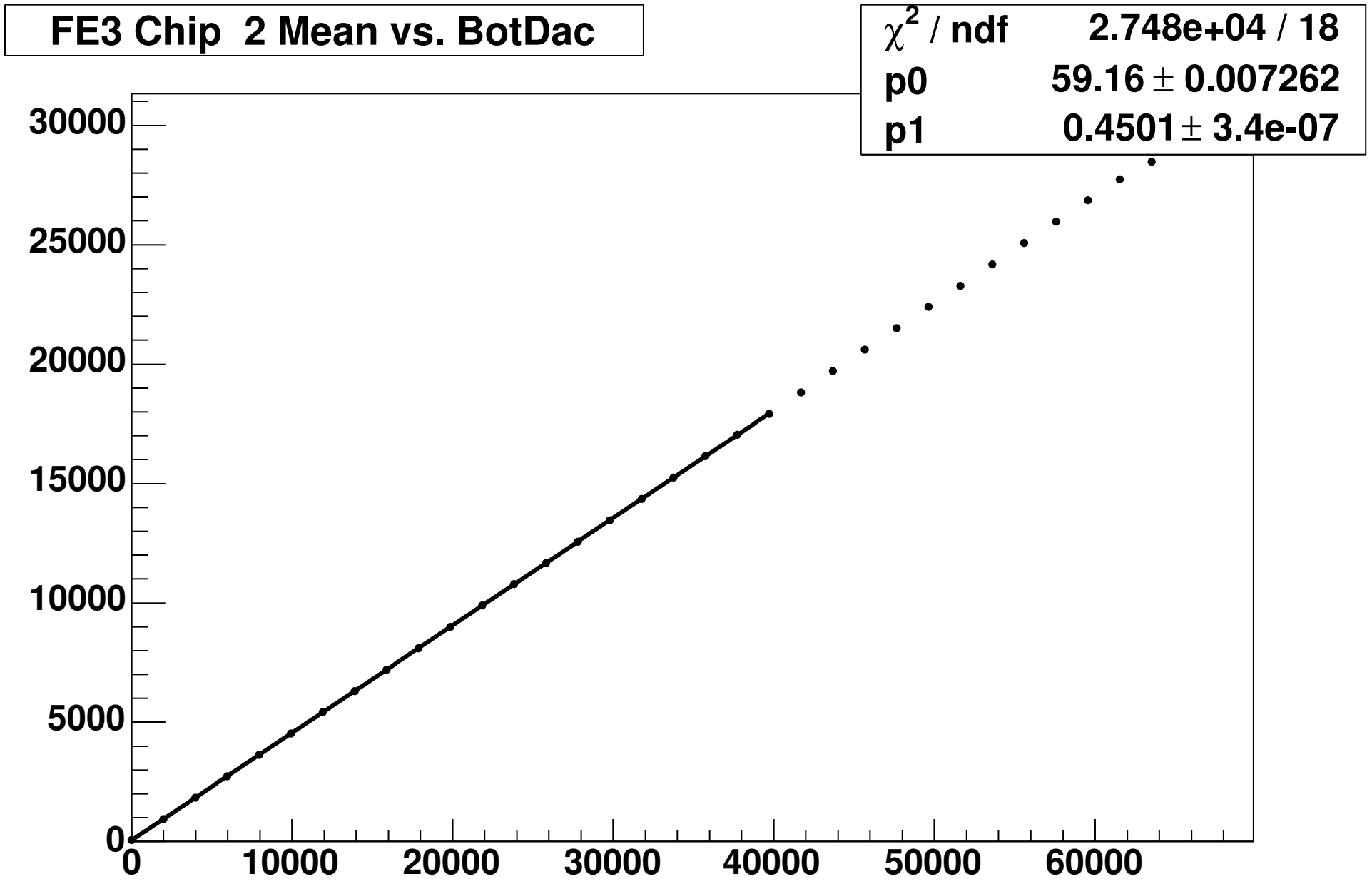

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 20.04 / 18
p0 1.489 ± 0.003829
p1 4.587e-06 ± 1.667e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

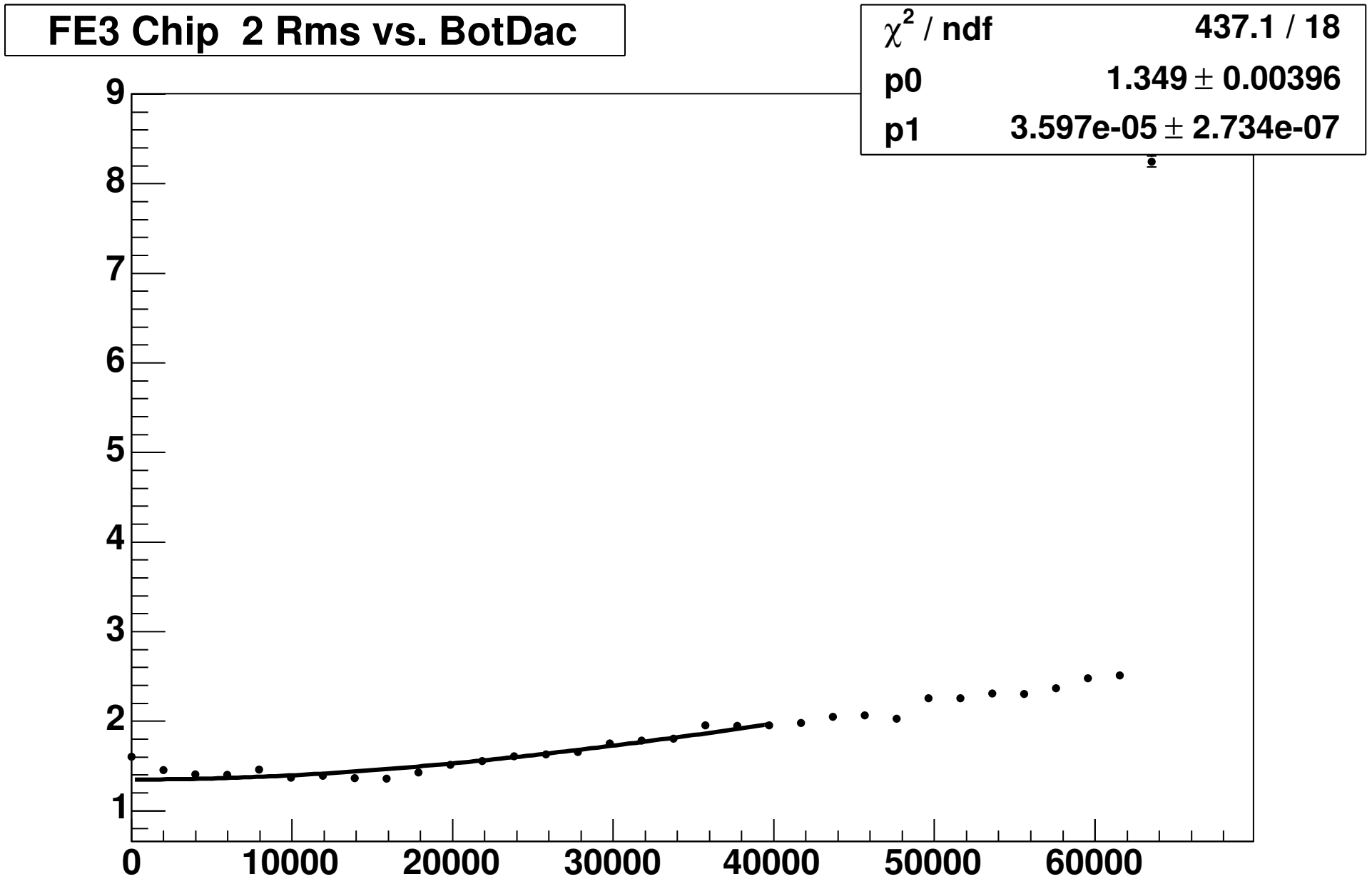

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.9e+04 / 18
p0 44.88 ± 0.007104
p1 0.4502 ± 3.238e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

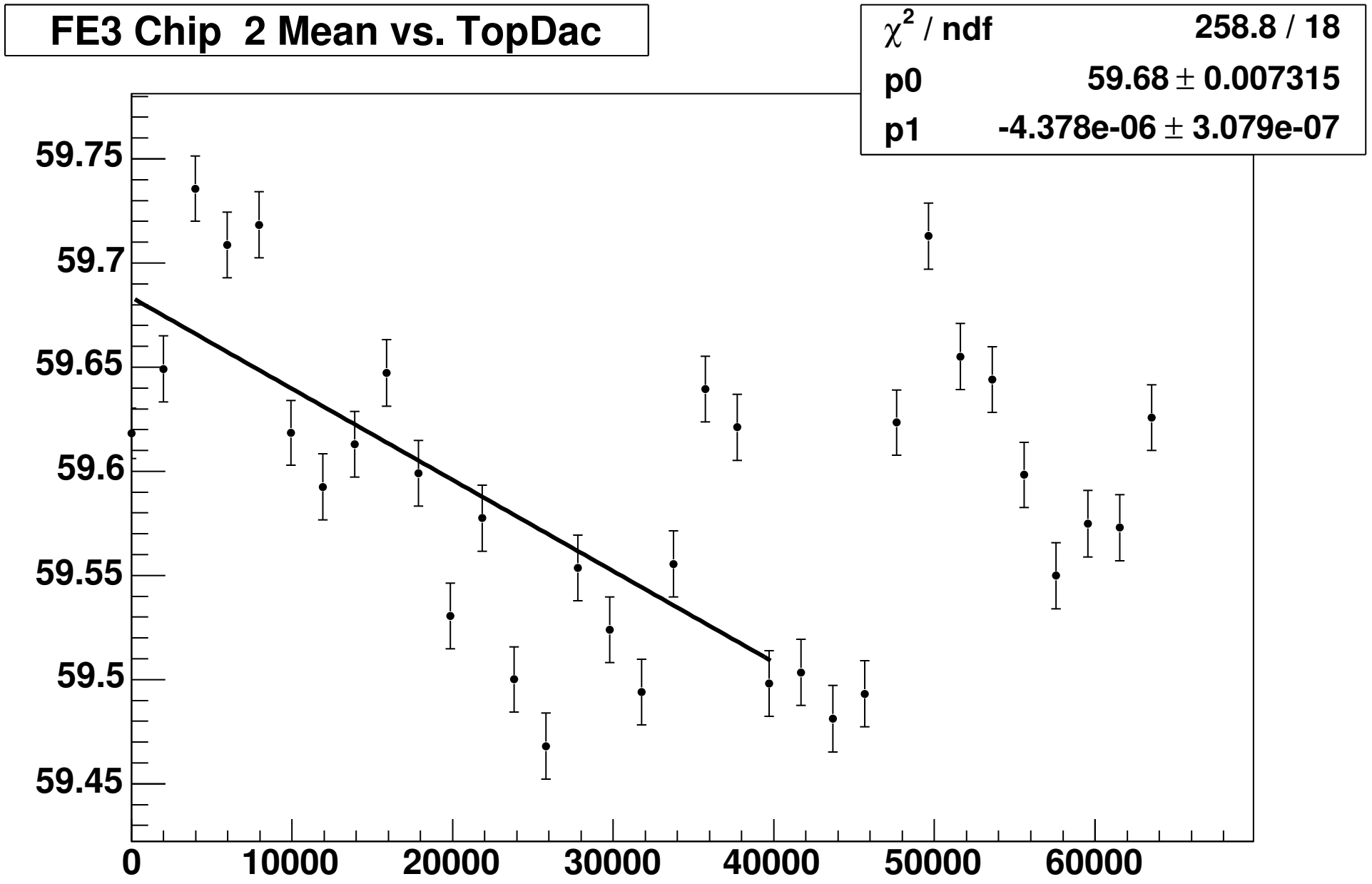

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 1075 / 18
p0 1.372 ± 0.003859
p1 2.992e-05 ± 2.985e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

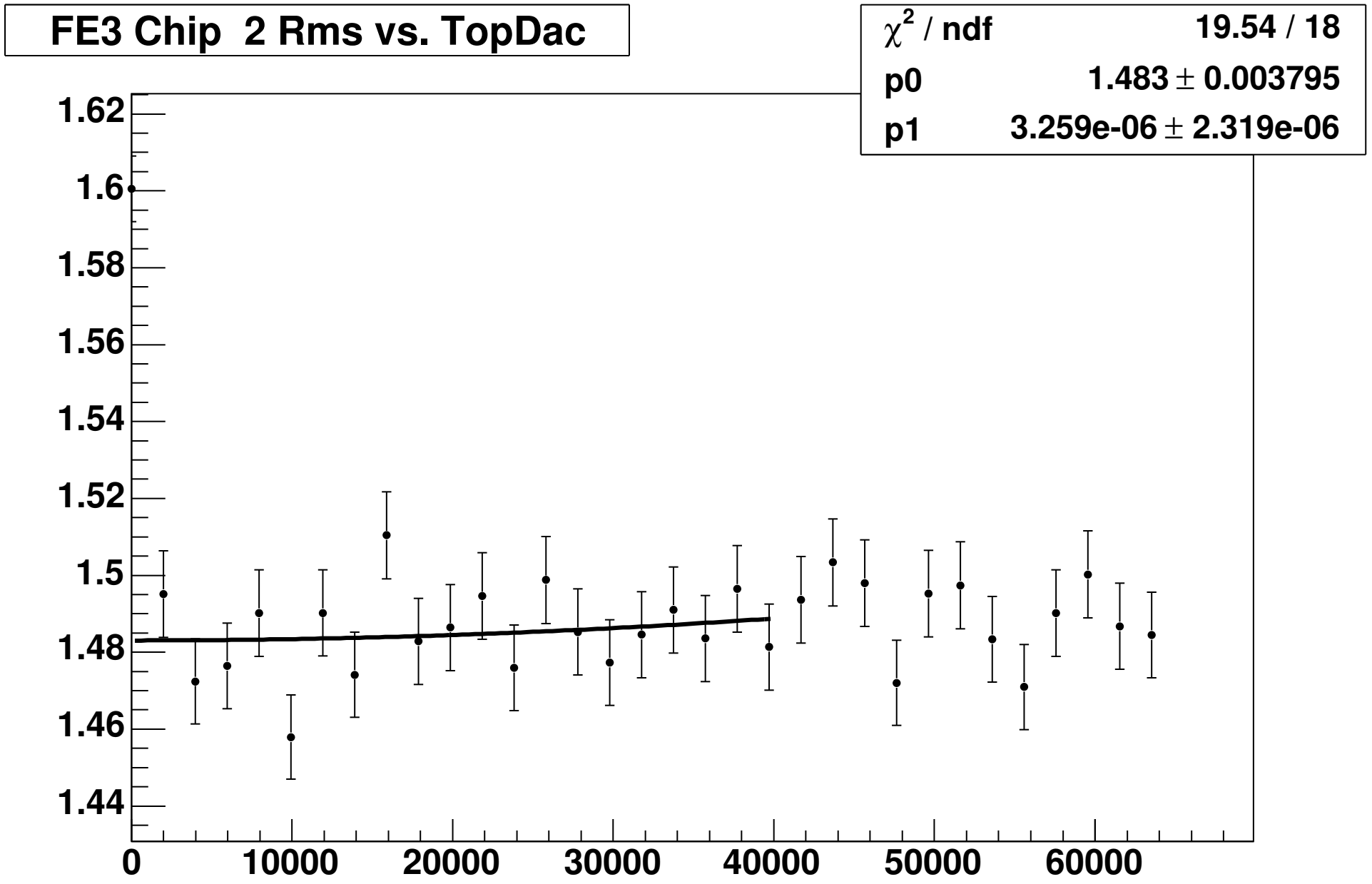

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 229 / 18
p0 45.53 ± 0.007187
p1 -5.543e-06 ± 3.03e-07
45.6
45.55
45.5
45.45
45.4
45.35
45.3
45.25
0
10000
20000
30000
40000
50000
60000

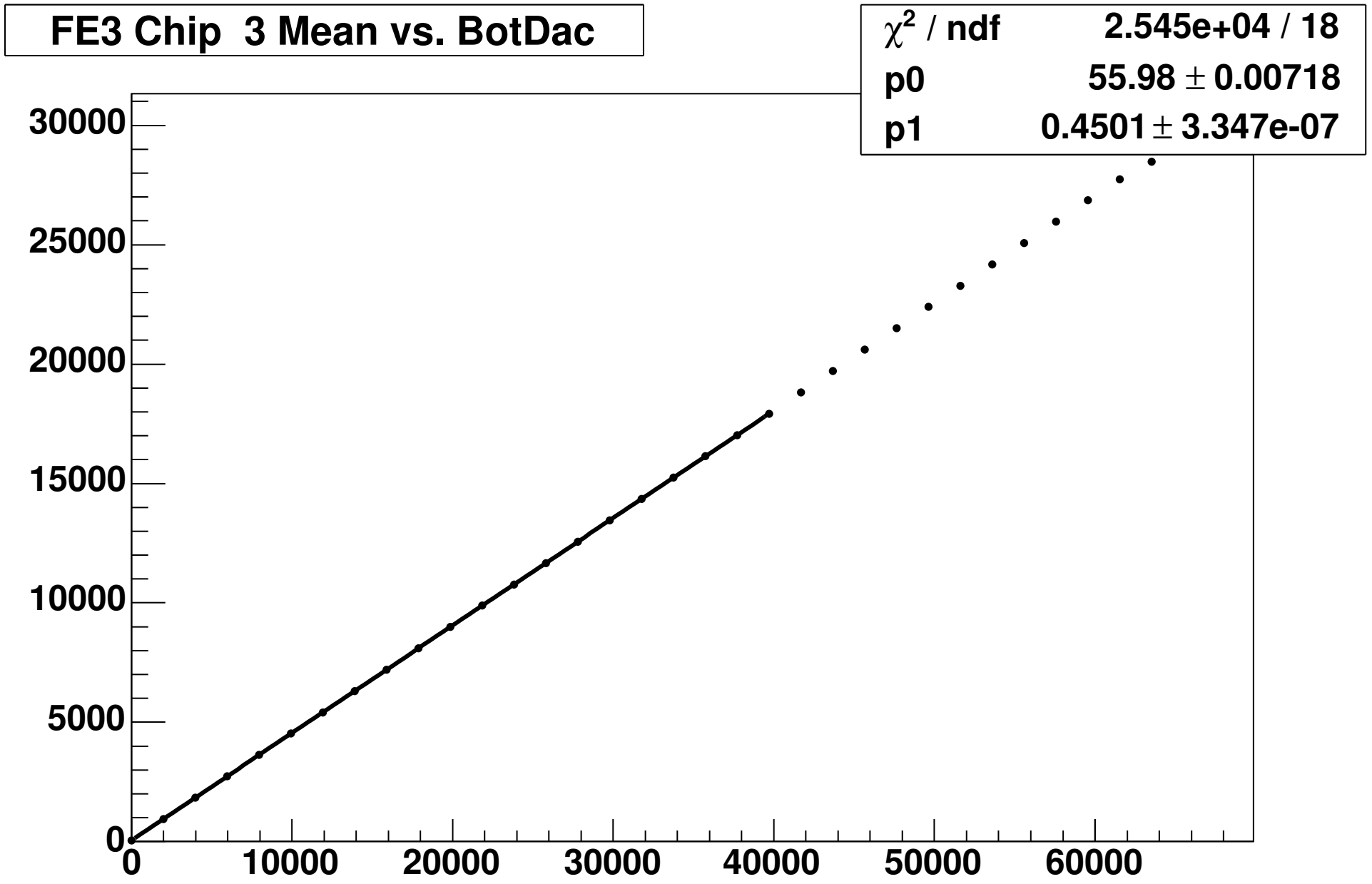

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 19.42 / 18
p0 1.458 ± 0.003751
p1 4.922e-06 ± 1.493e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

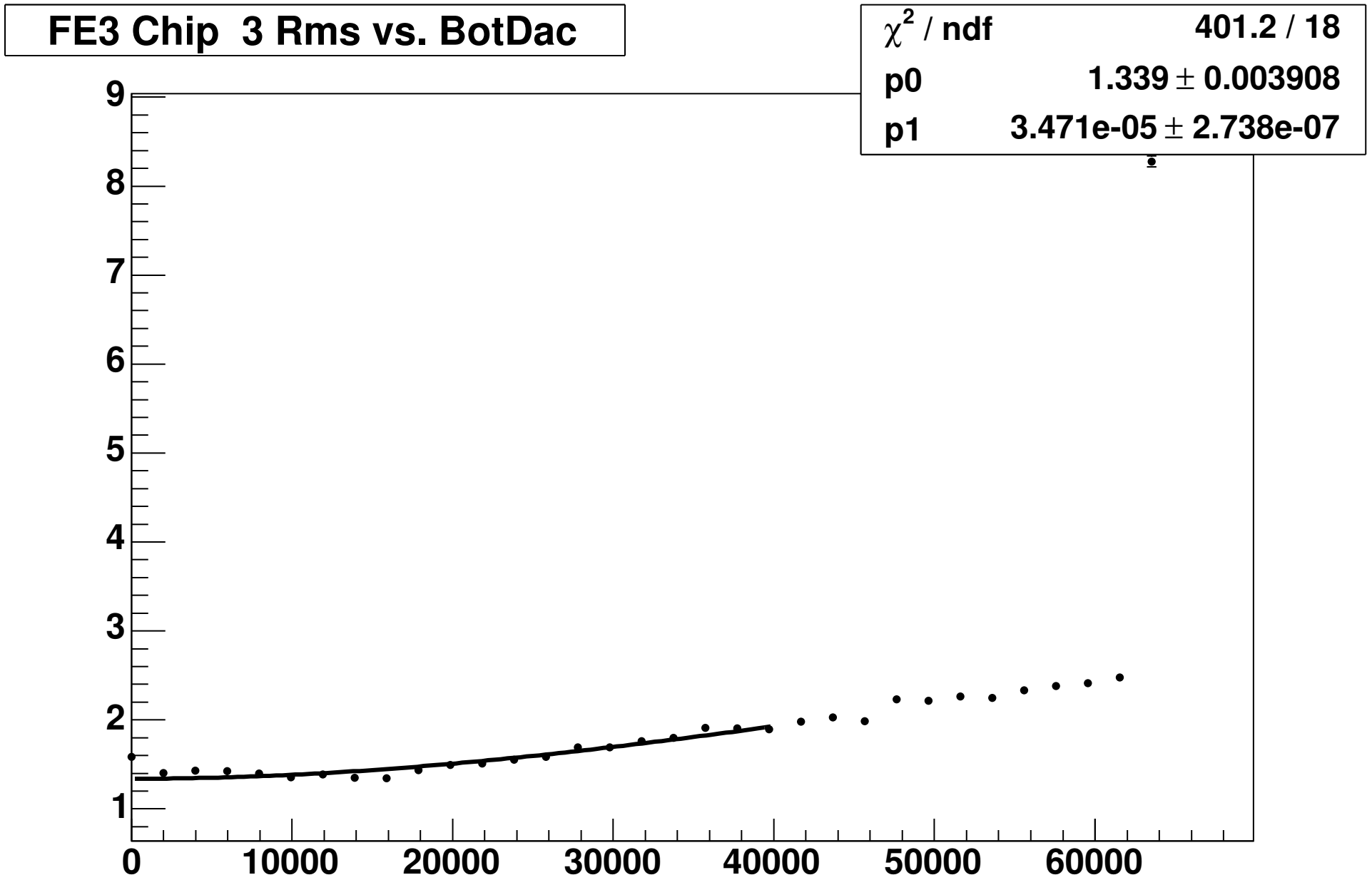

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 2.748e+04 / 18
p0 59.16 ± 0.007262
p1 0.4501 ± 3.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

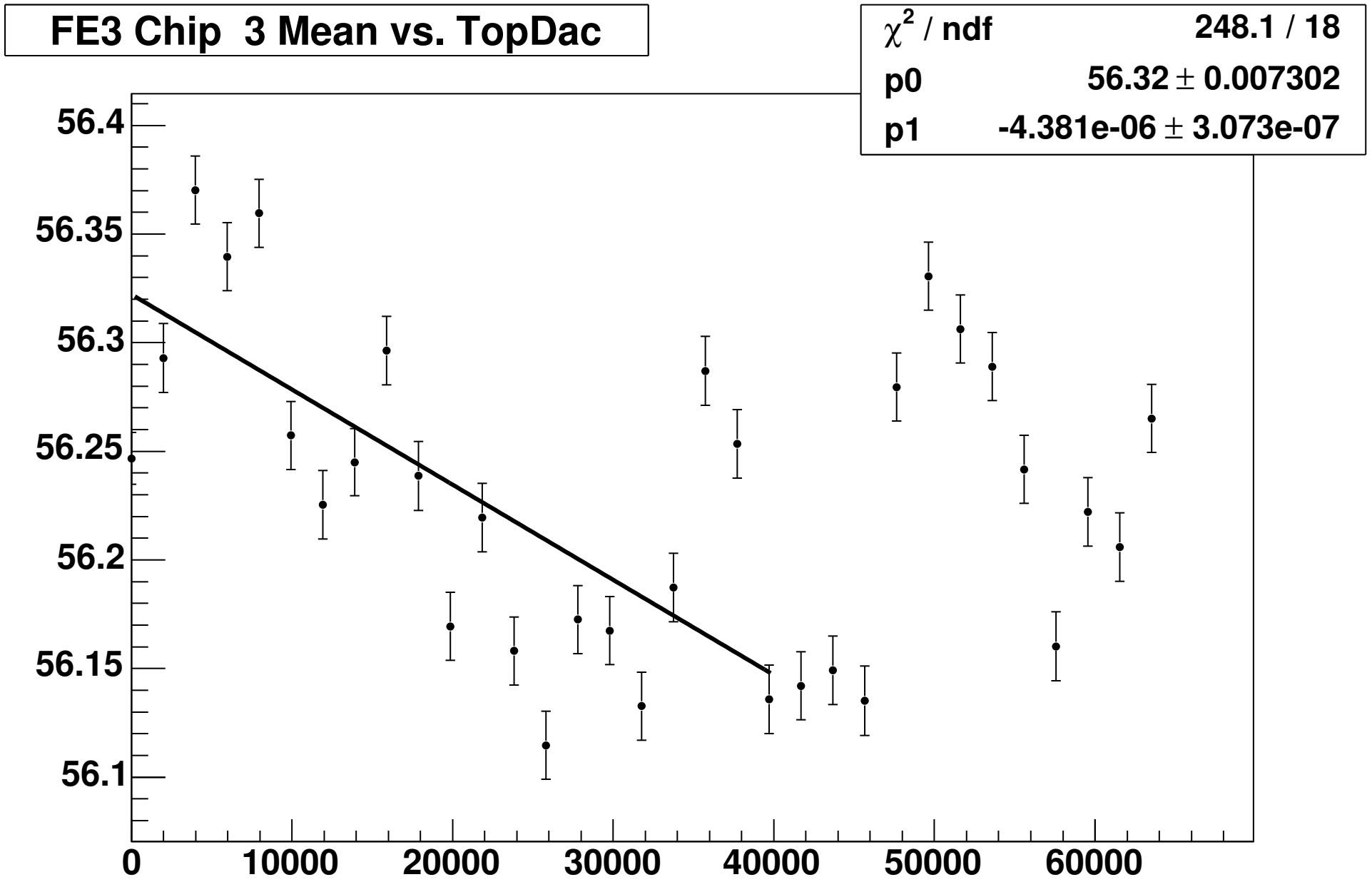

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 437.1 / 18
p0 1.349 ± 0.00396
p1 3.597e-05 ± 2.734e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

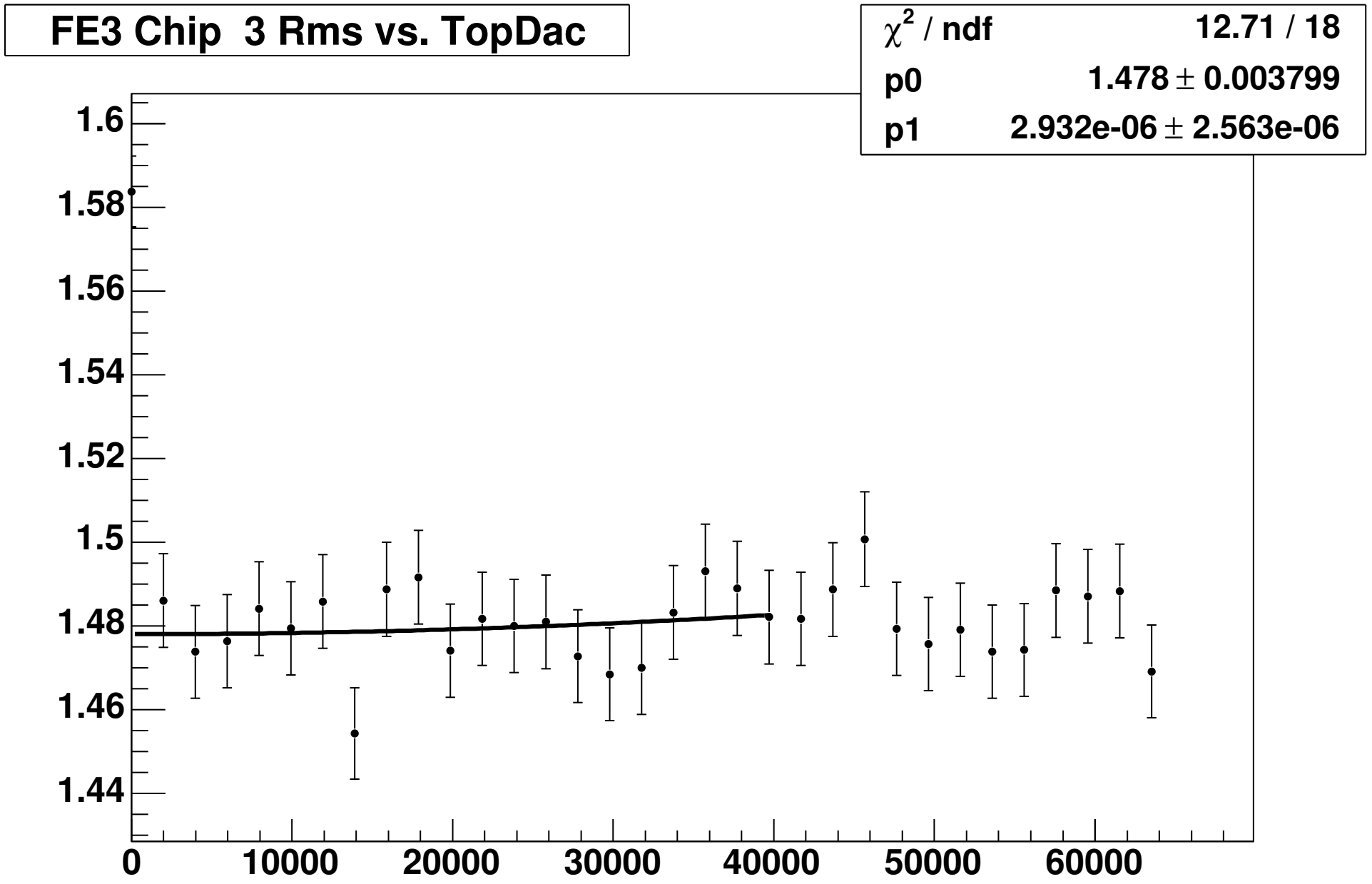

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 258.8 / 18
p0 59.68 ± 0.007315
p1 -4.378e-06 ± 3.079e-07
59.75
59.7
59.65
59.6
59.55
59.5
59.45
0
10000
20000
30000
40000
50000
60000

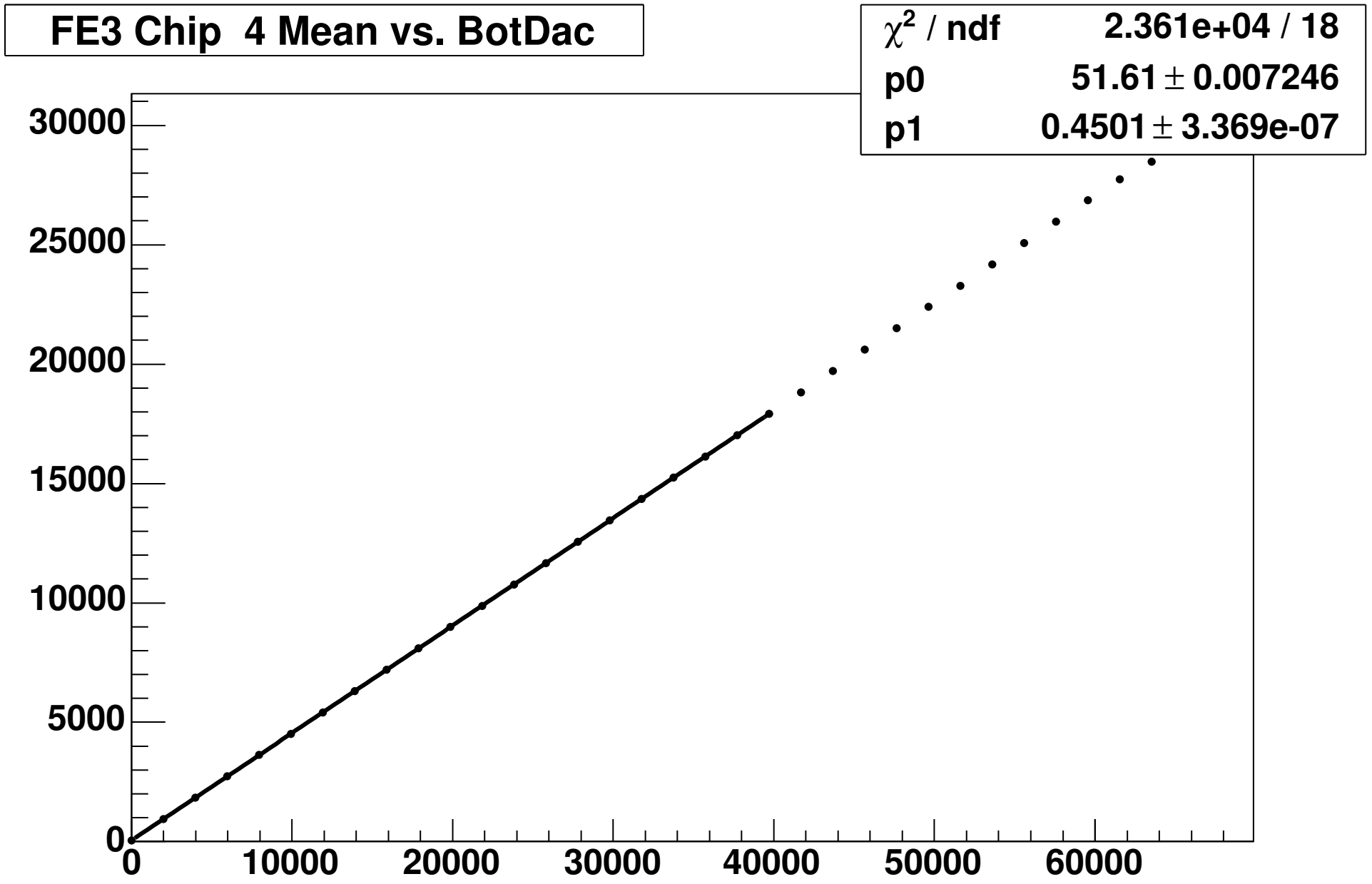

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 19.54 / 18
p0 1.483 ± 0.003795
p1 3.259e-06 ± 2.319e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

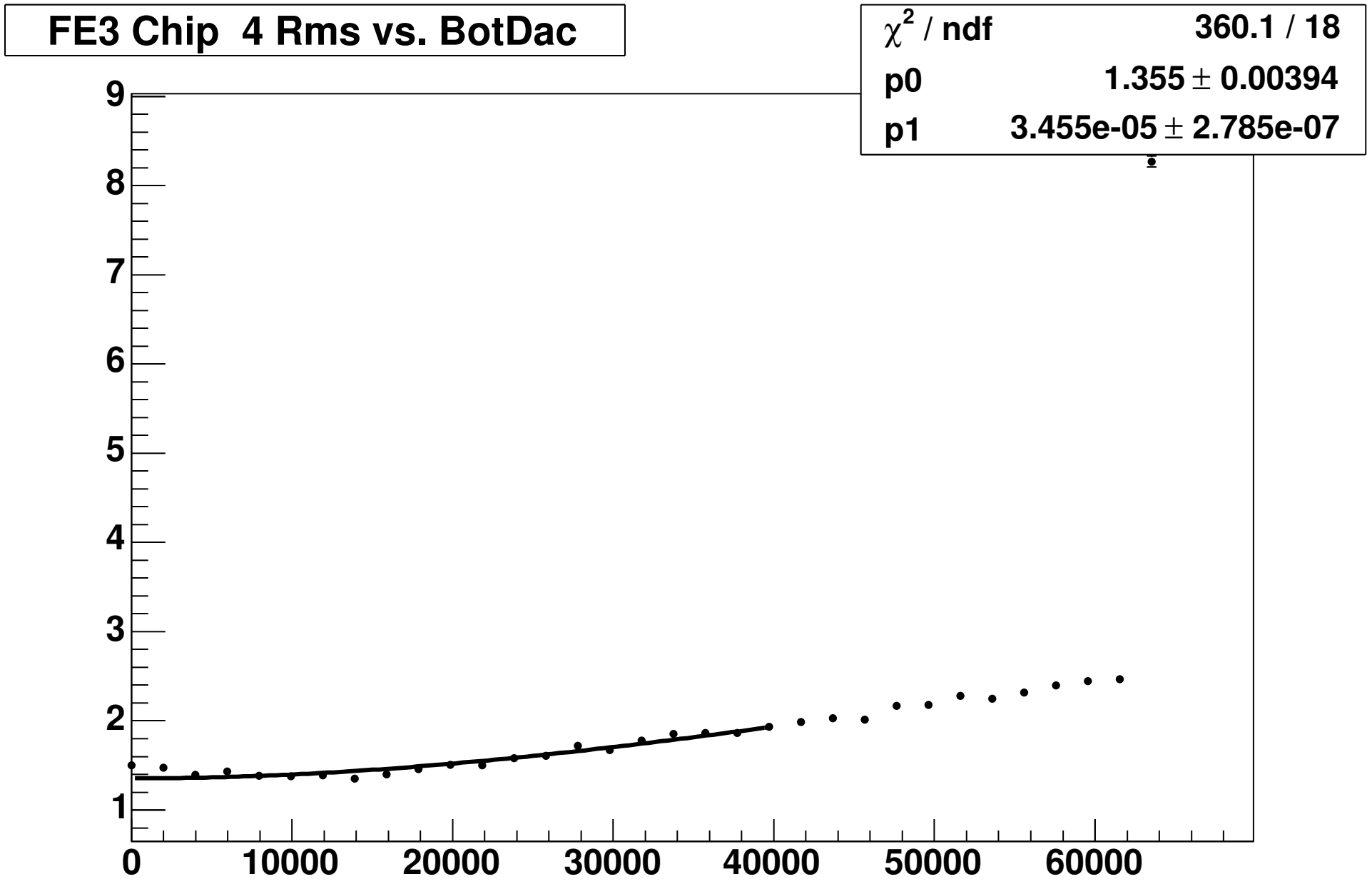

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 2.545e+04 / 18
p0 55.98 ± 0.00718
p1 0.4501 ± 3.347e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

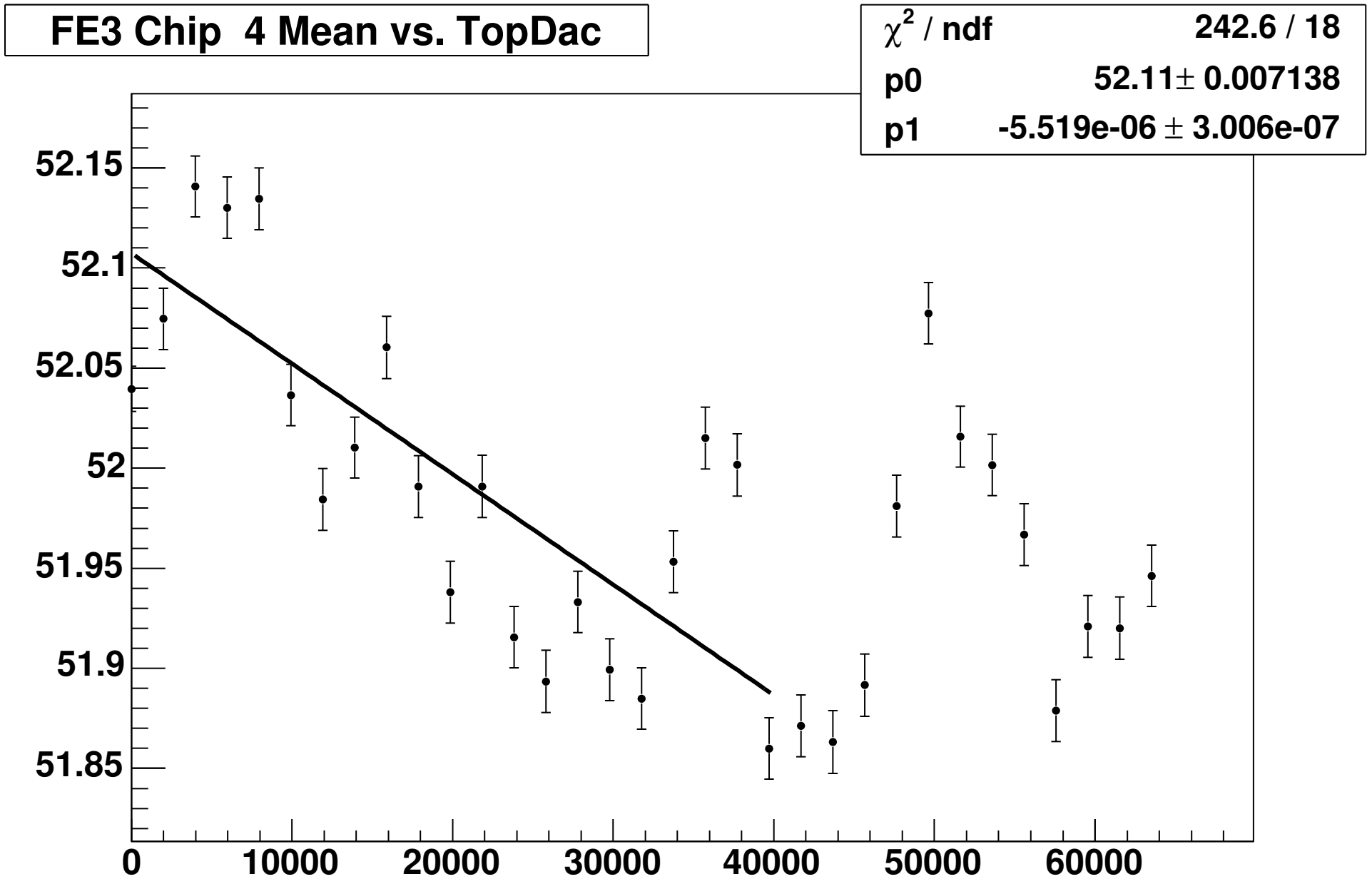

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 401.2 / 18
p0 1.339 ± 0.003908
p1 3.471e-05 ± 2.738e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

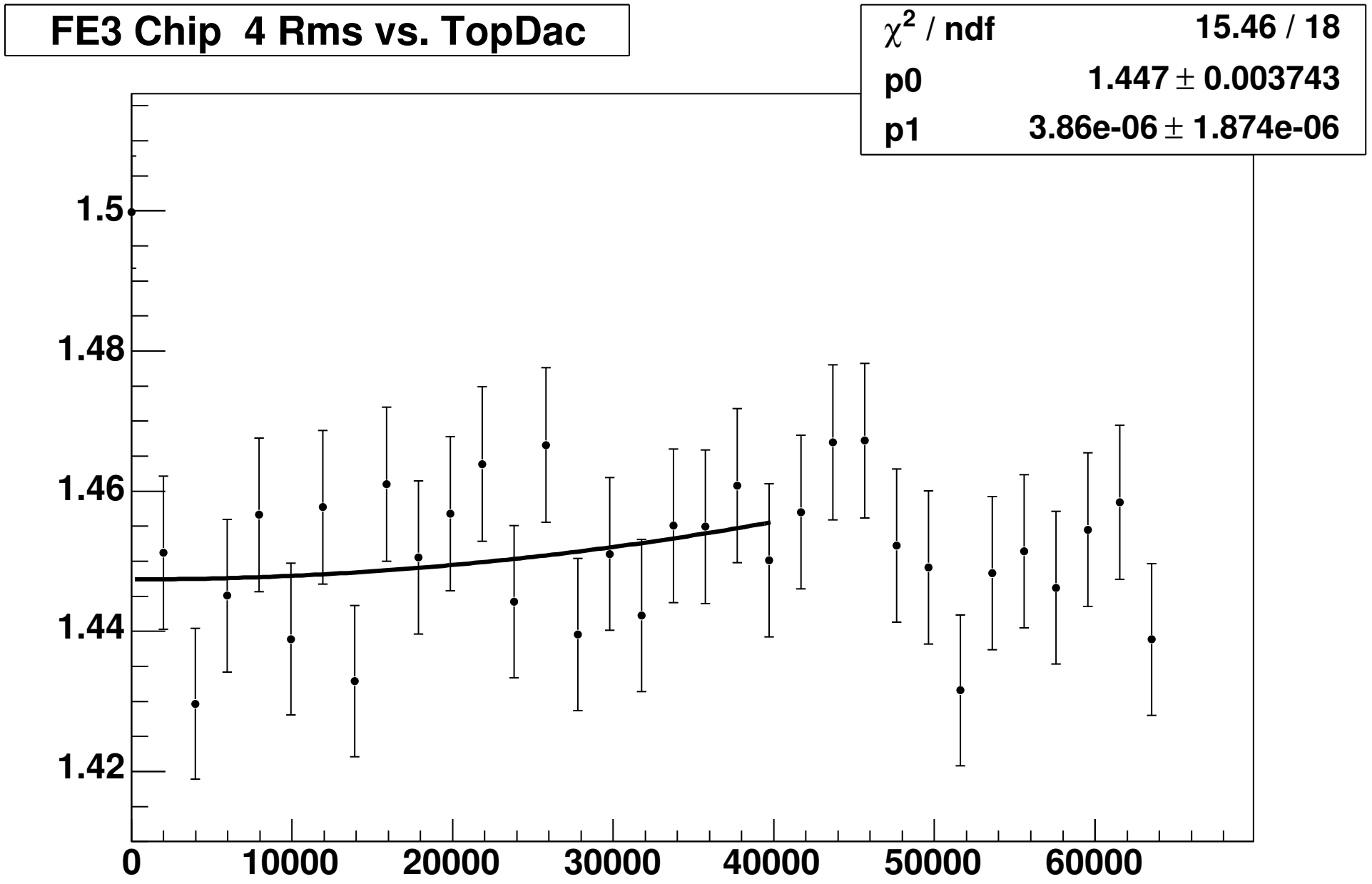

FE3 Chip 3 Mean vs. TopDac
χ^2 / ndf 248.1 / 18
p0 56.32 ± 0.007302
p1 -4.381e-06 ± 3.073e-07
56.4
56.35
56.3
56.25
56.2
56.15
56.1
0
10000
20000
30000
40000
50000
60000

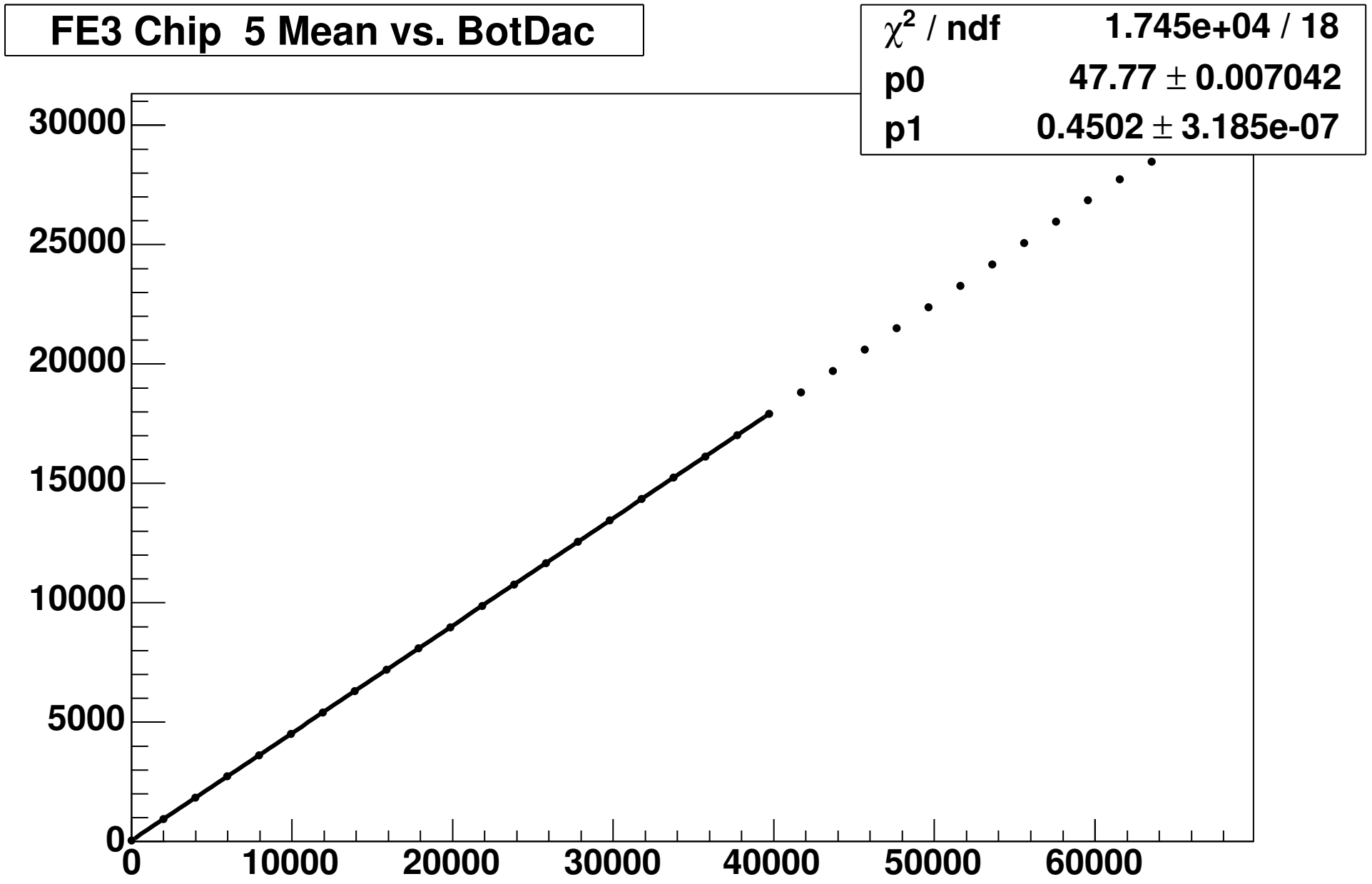

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 12.71 / 18
p0 1.478 ± 0.003799
p1 2.932e-06 ± 2.563e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

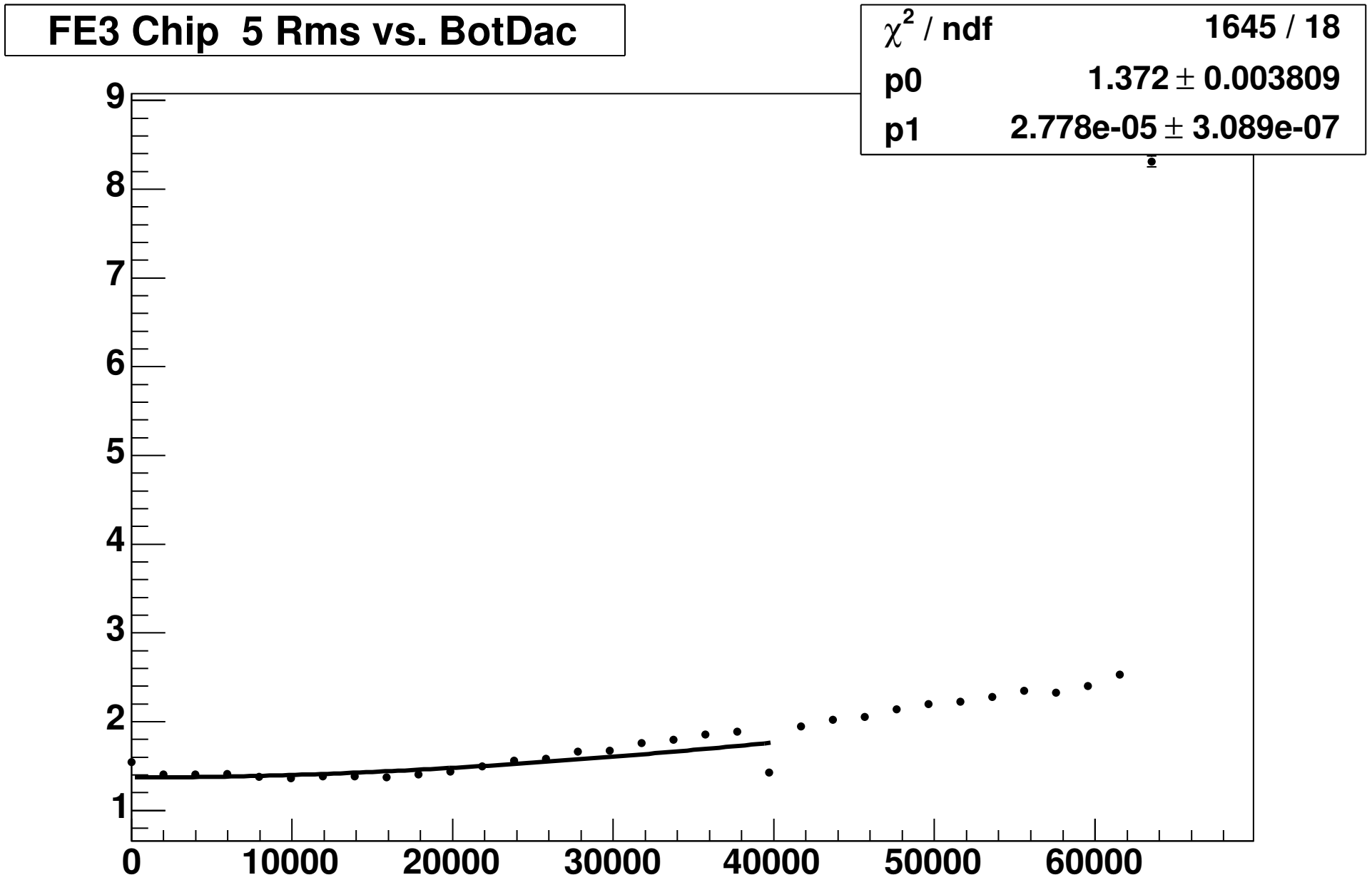

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 2.361e+04 / 18
p0 51.61 ± 0.007246
p1 0.4501 ± 3.369e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

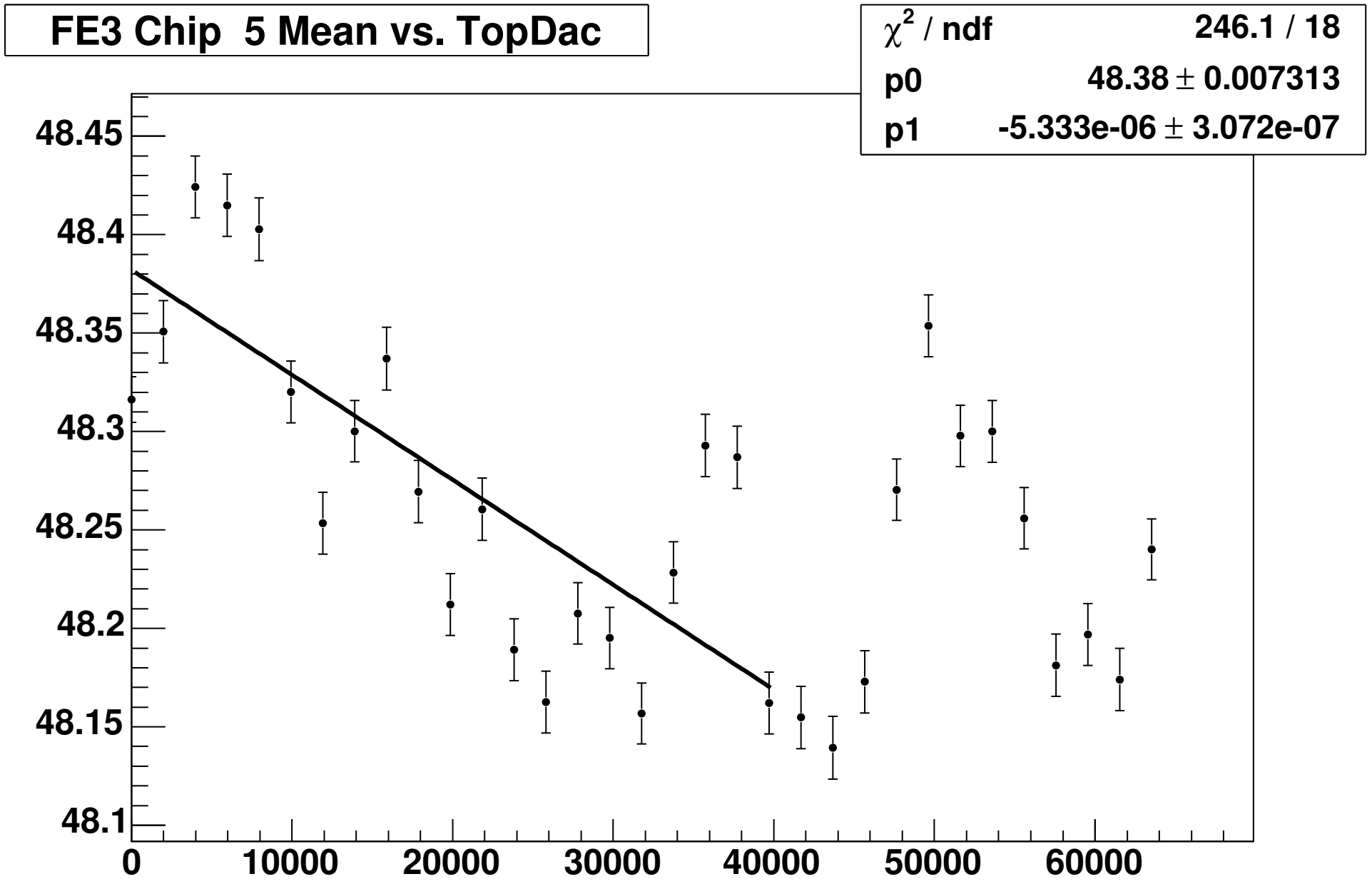

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 360.1 / 18
p0 1.355 ± 0.00394
p1 3.455e-05 ± 2.785e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

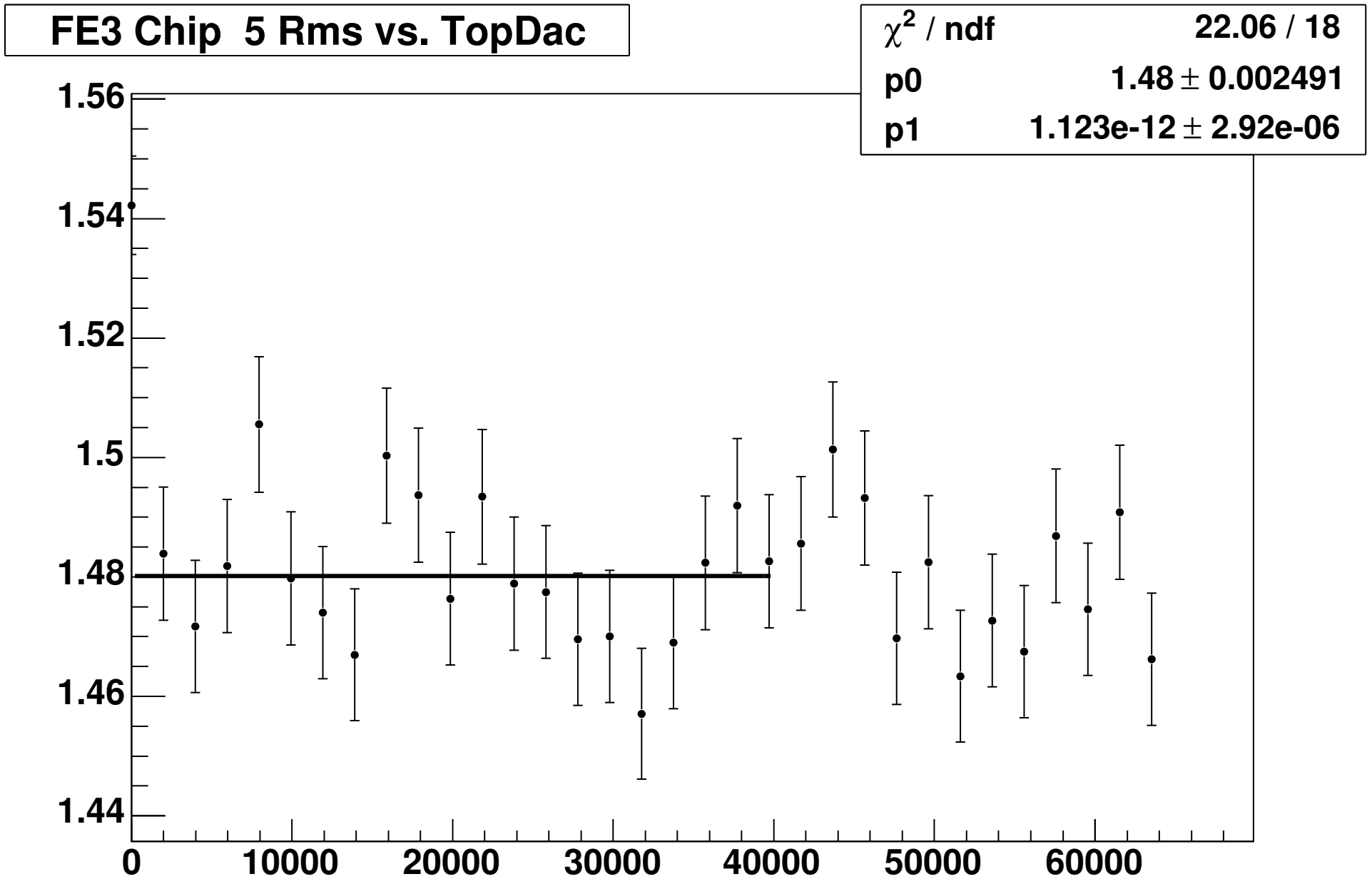

FE3 Chip 4 Mean vs. TopDac
χ² / ndf 242.6 / 18
p0 52.11 ± 0.007138
p1 -5.519e-06 ± 3.006e-07
52.15
52.1
52.05
52
51.95
51.9
51.85
0
10000
20000
30000
40000
50000
60000

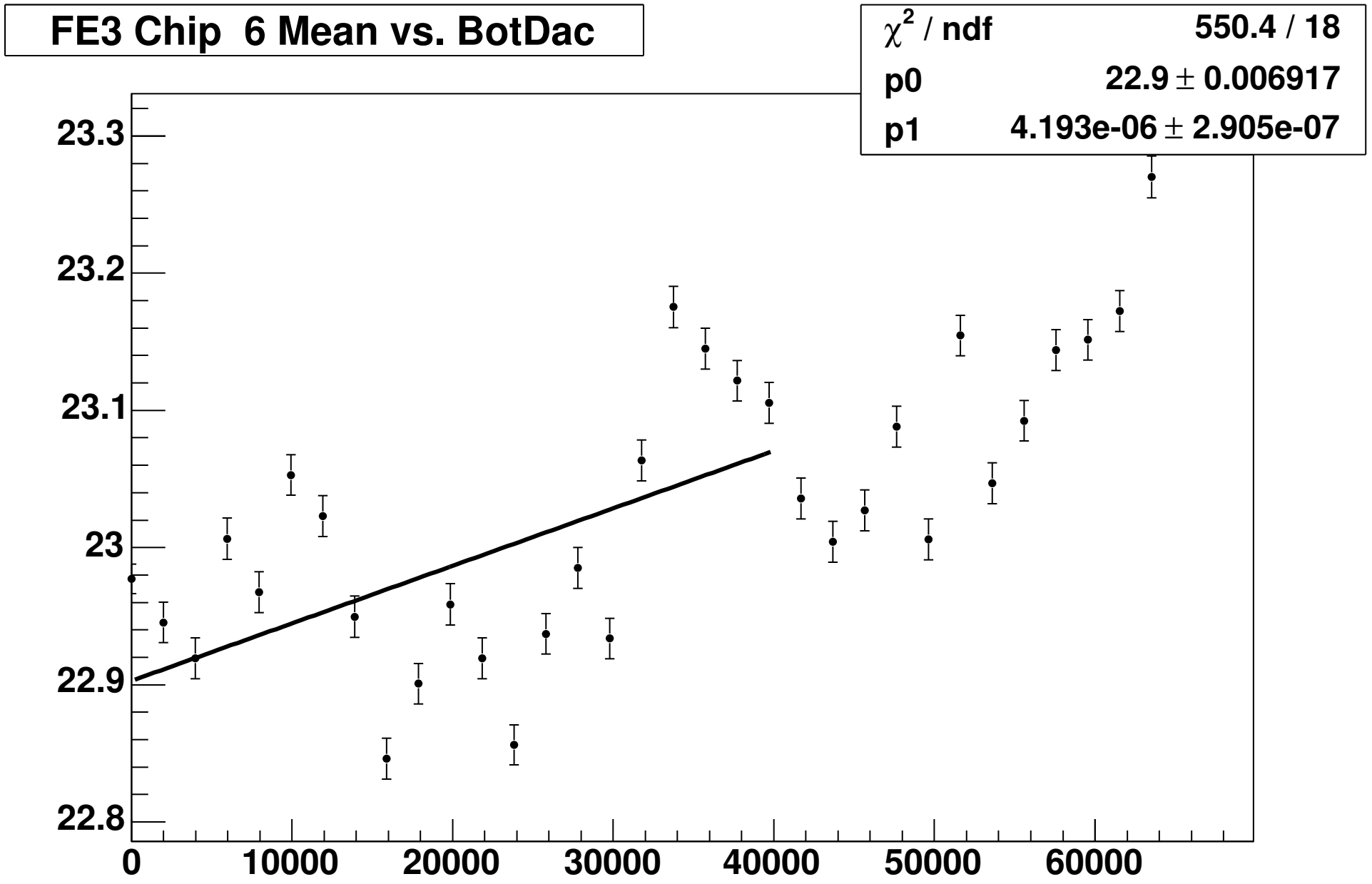

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 15.46 / 18
p0 1.447 ± 0.003743
p1 3.86e-06 ± 1.874e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

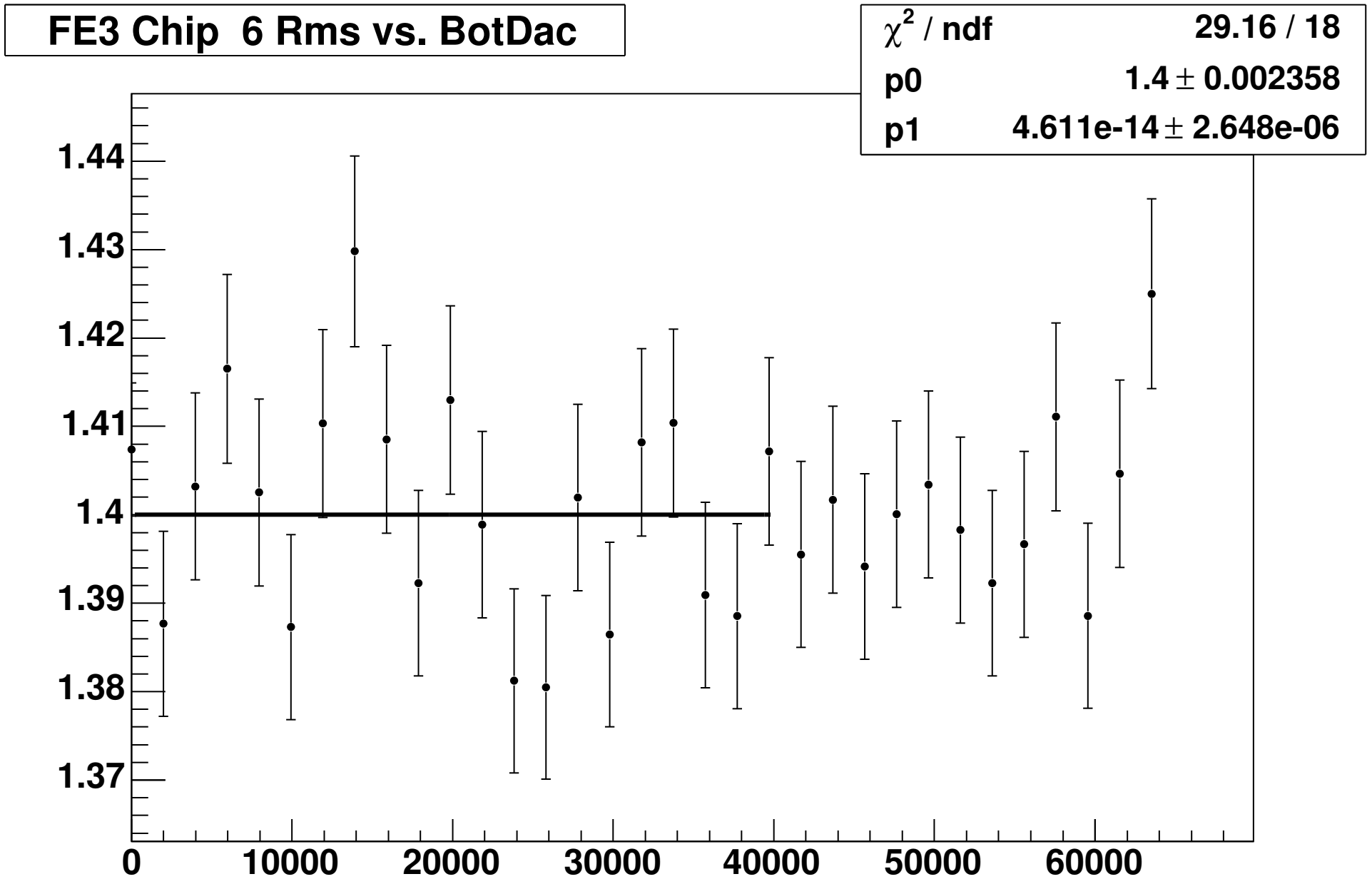

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.745e+04 / 18
p0 47.77 ± 0.007042
p1 0.4502 ± 3.185e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

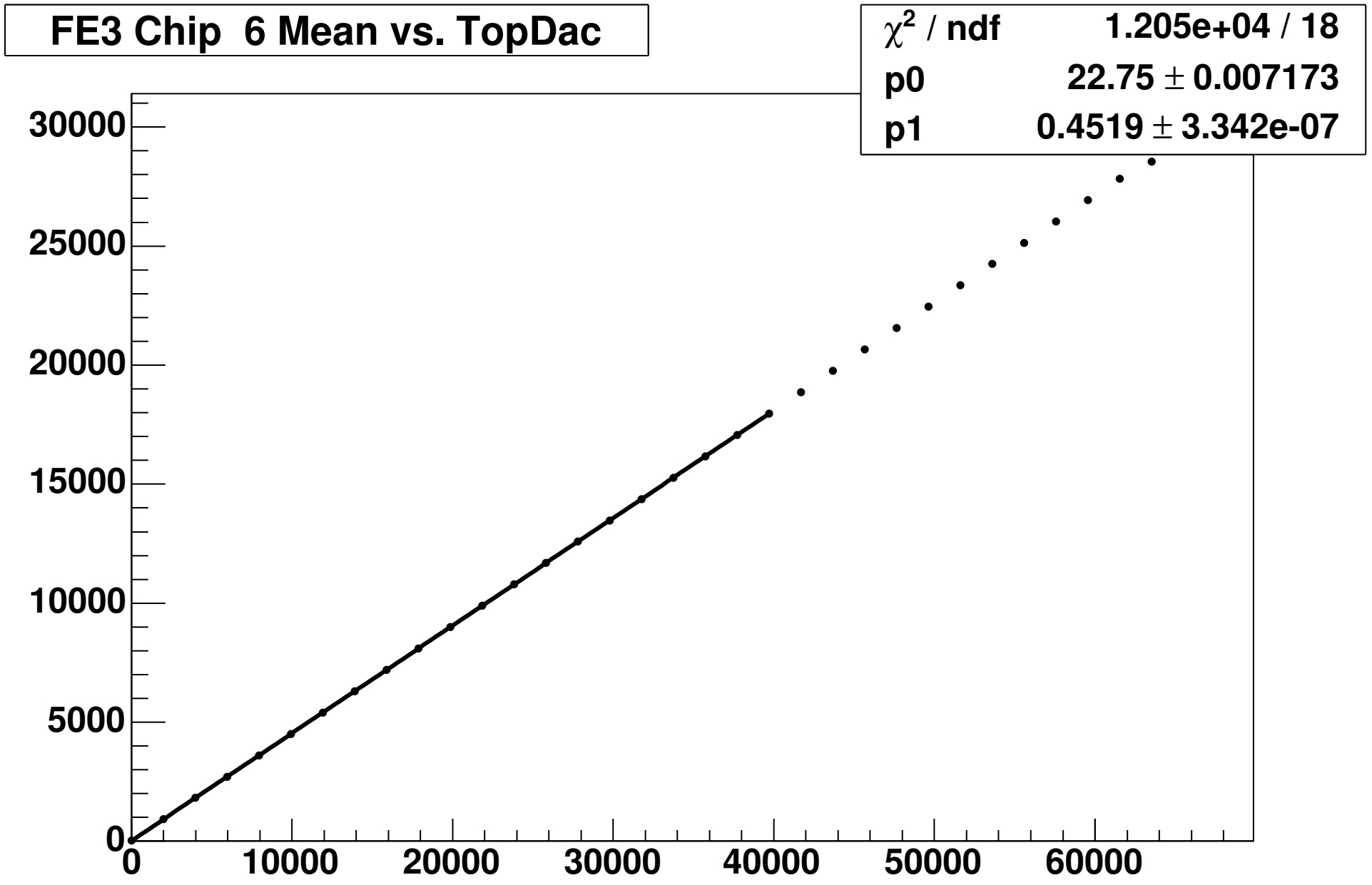

FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1645 / 18
p0 1.372 ± 0.003809
p1 2.778e-05 ± 3.089e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

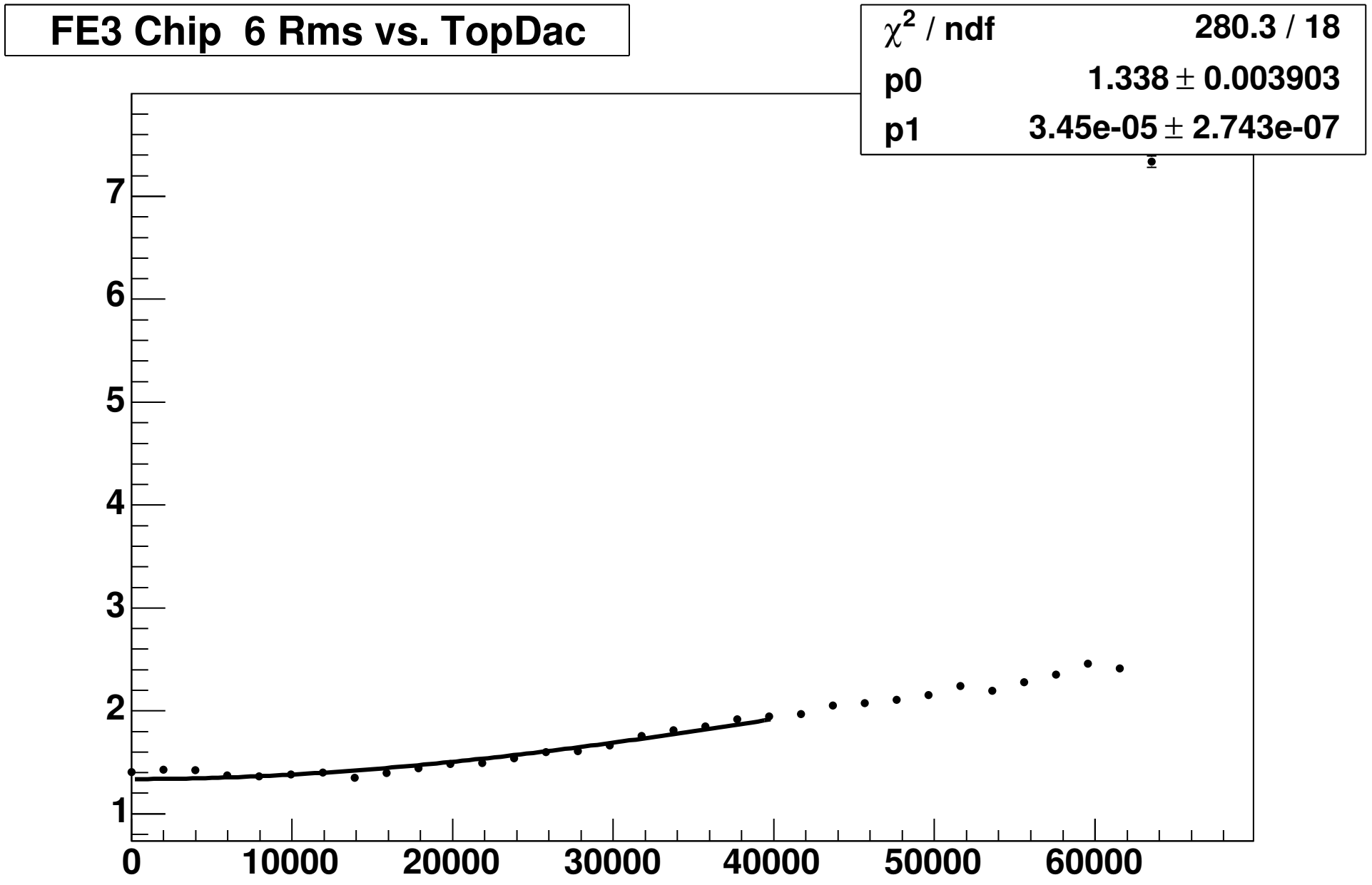

FE3 Chip 5 Mean vs. TopDac
χ² / ndf 246.1 / 18
p0 48.38 ± 0.007313
p1 -5.333e-06 ± 3.072e-07
48.45
48.4
48.35
48.3
48.25
48.2
48.15
48.1
0
10000
20000
30000
40000
50000
60000

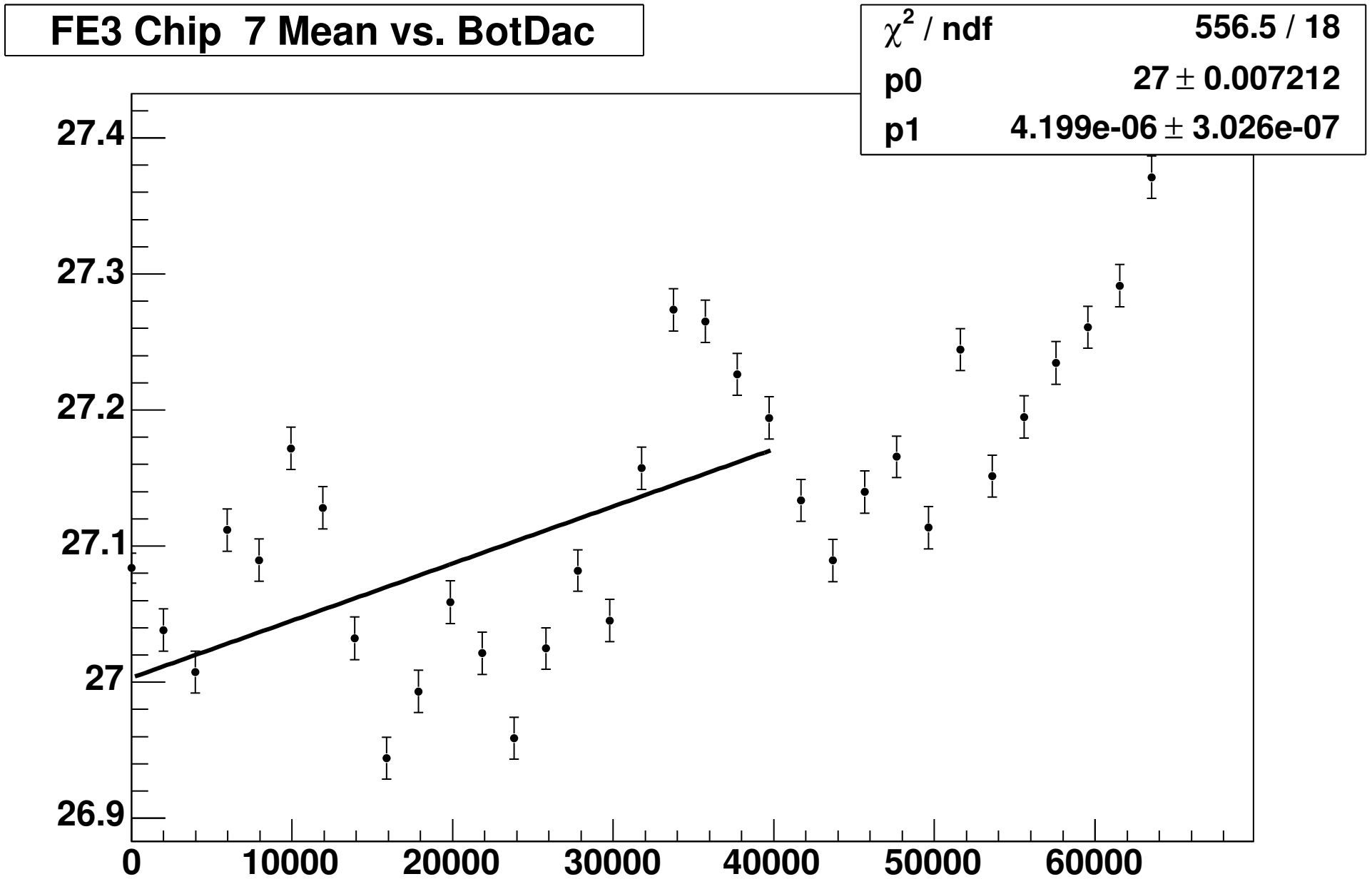

FE3 Chip 5 Rms vs. TopDac
χ² / ndf 22.06 / 18
p0 1.48 ± 0.002491
p1 1.123e-12 ± 2.92e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

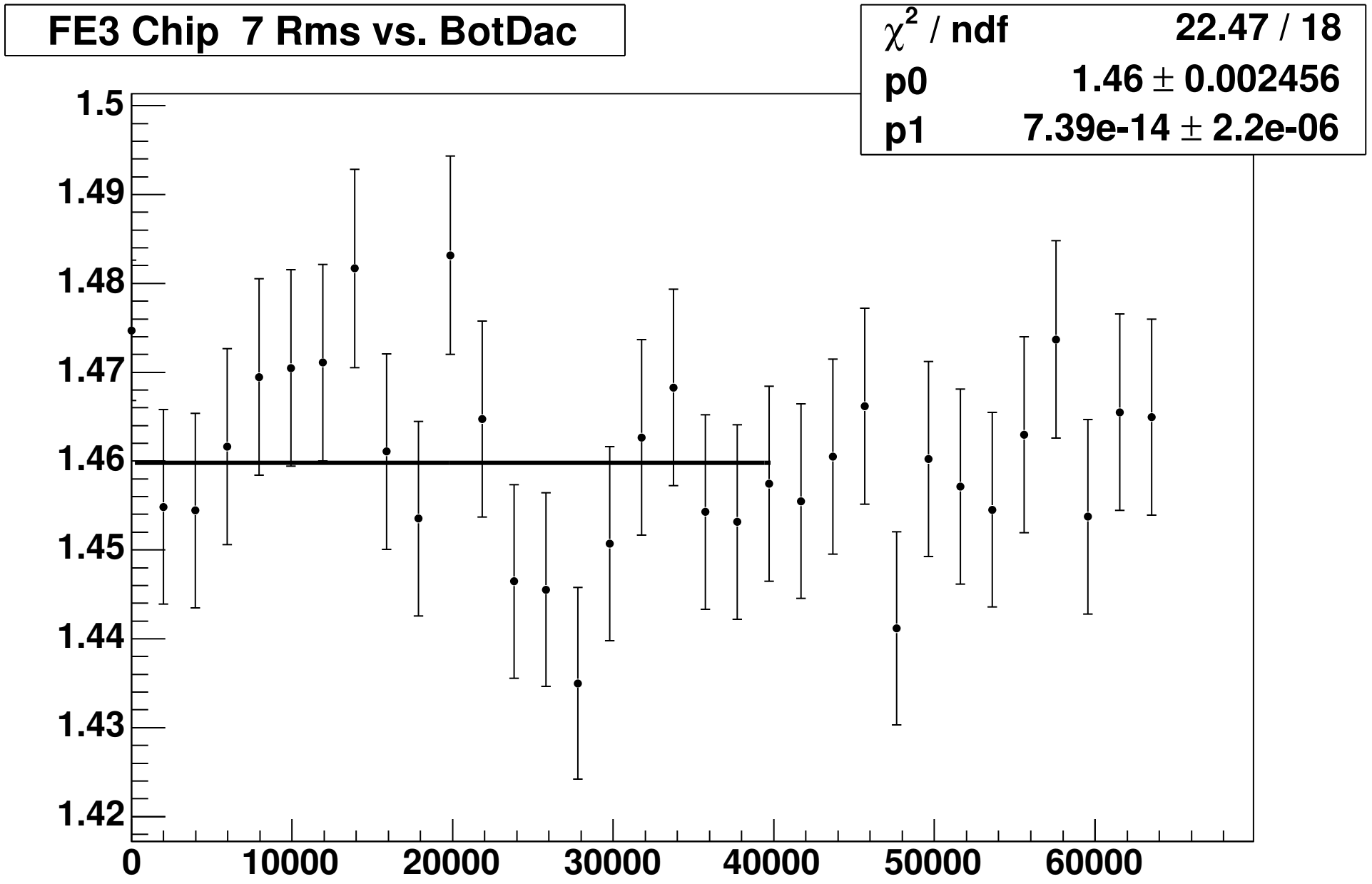

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 550.4 / 18
p0 22.9 ± 0.006917
p1 4.193e-06 ± 2.905e-07
23.3
23.2
23.1
23
22.9
22.8
0
10000
20000
30000
40000
50000
60000

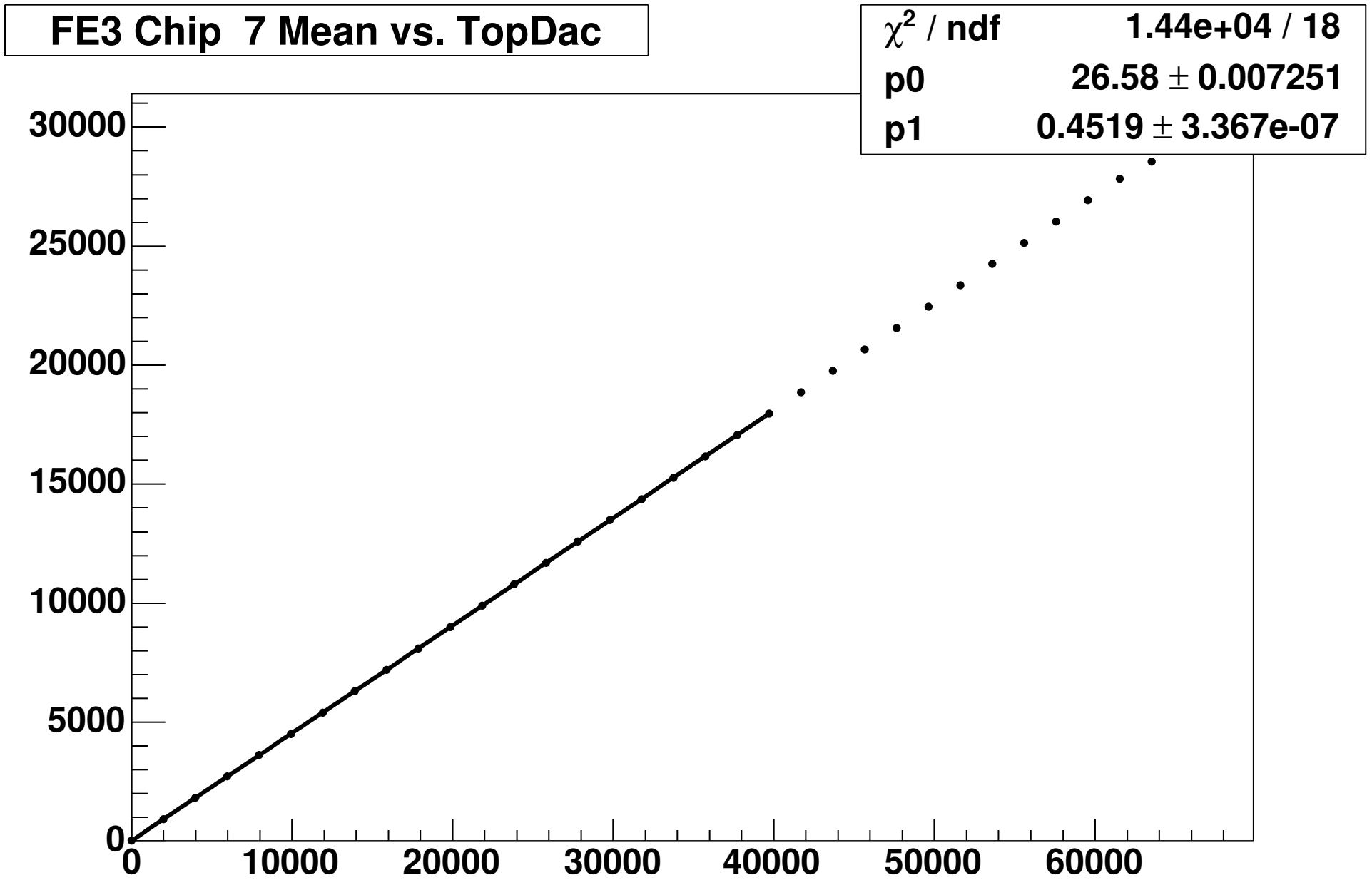

FE3 Chip 6 Rms vs. BotDac
χ² / ndf 29.16 / 18
p0 1.4 ± 0.002358
p1 4.611e-14 ± 2.648e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
50000
60000

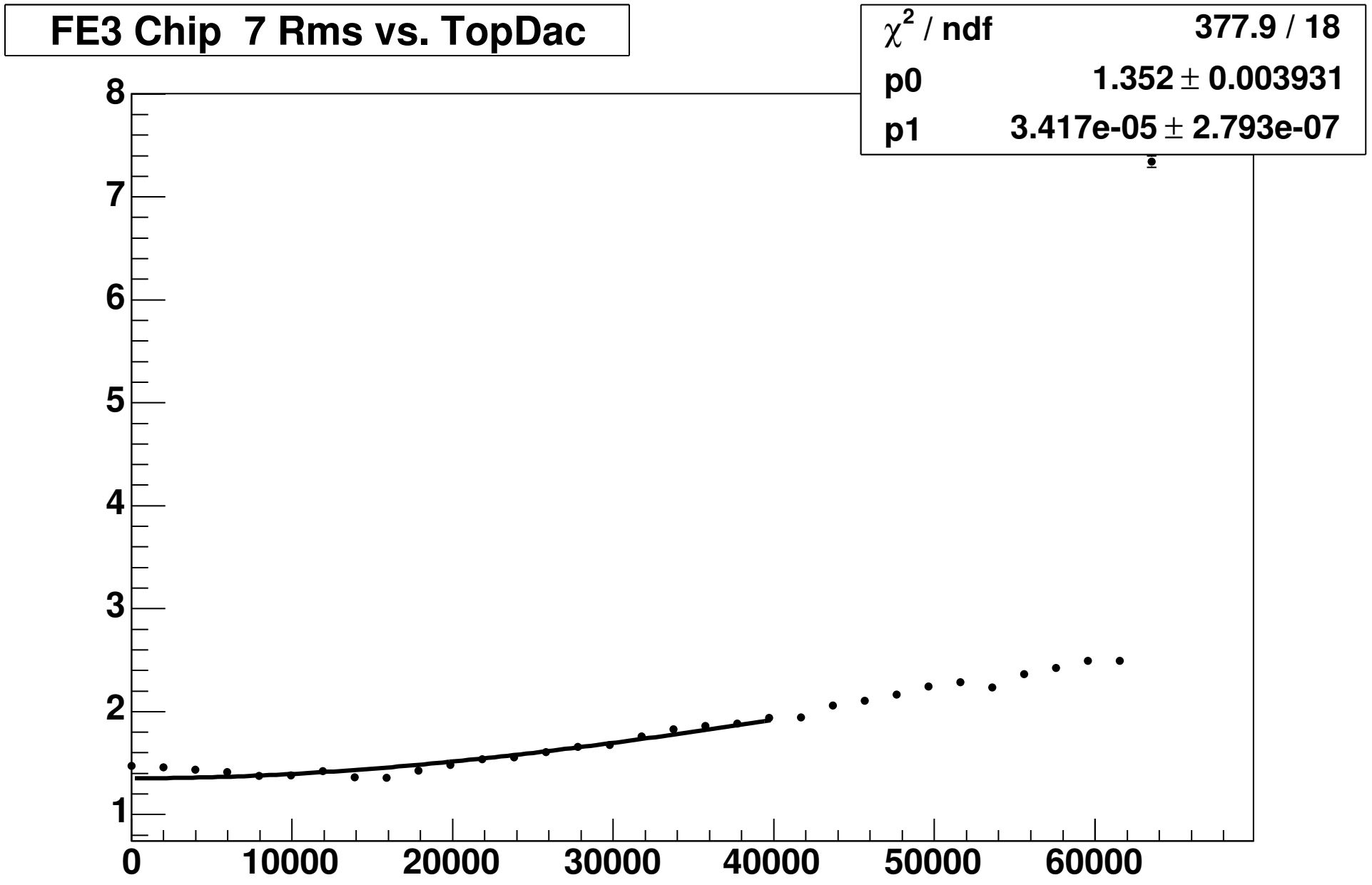

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.205e+04 / 18
p0 22.75 ± 0.007173
p1 0.4519 ± 3.342e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

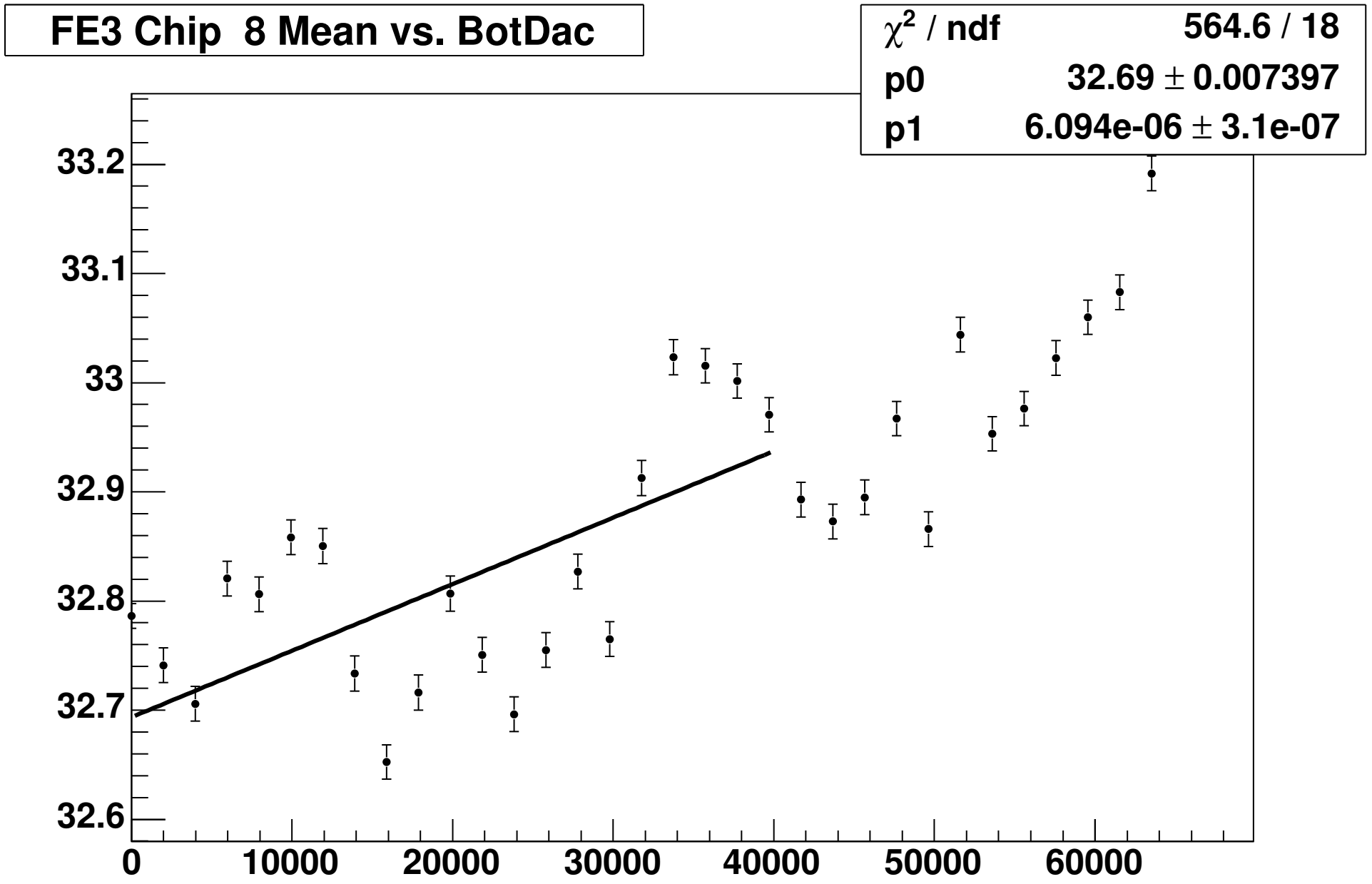

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 280.3 / 18
p0 1.338 ± 0.003903
p1 3.45e-05 ± 2.743e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

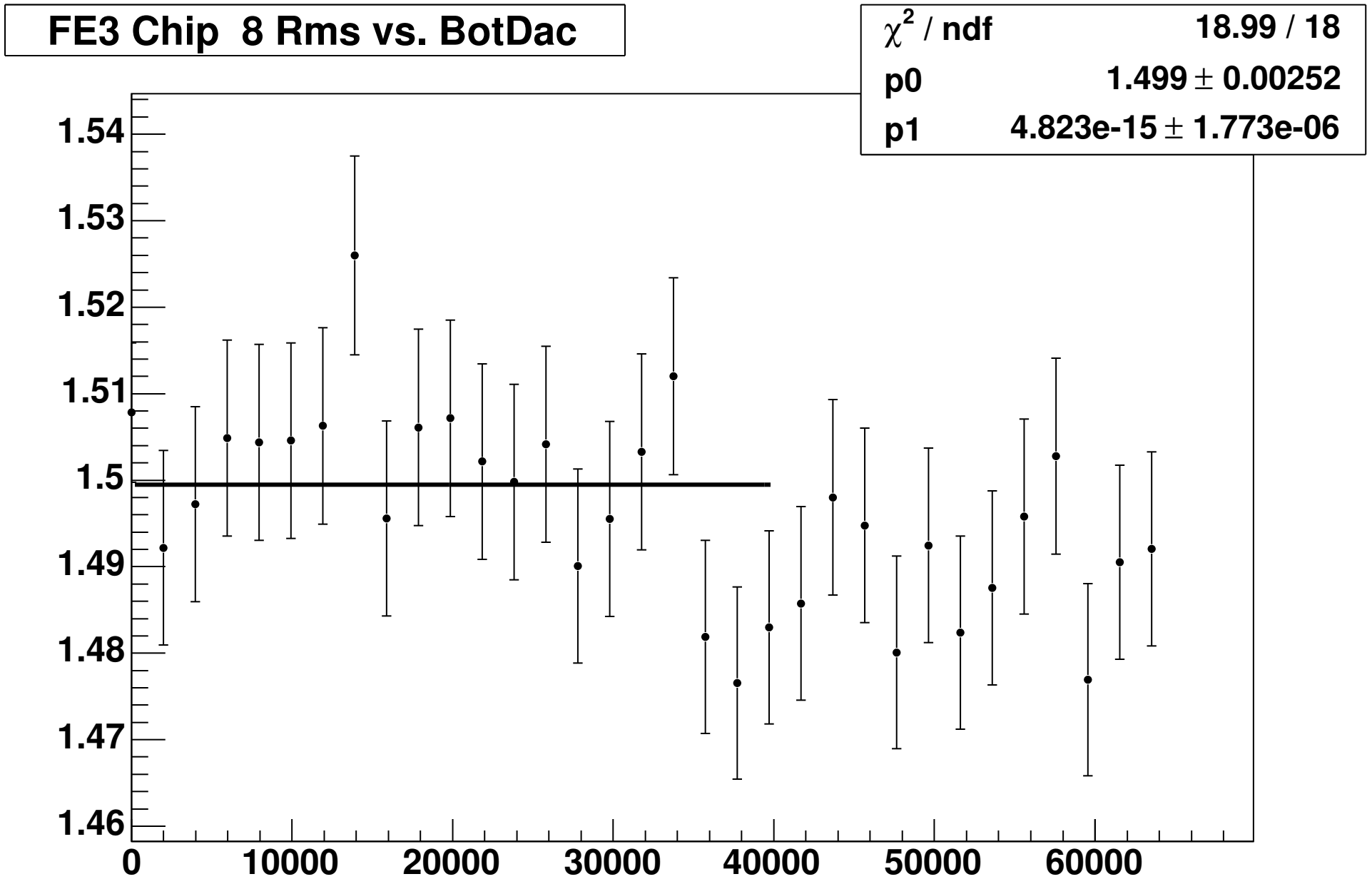

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 556.5 / 18
p0 27 ± 0.007212
p1 4.199e-06 ± 3.026e-07
27.4
27.3
27.2
27.1
27
26.9
0
10000
20000
30000
40000
50000
60000

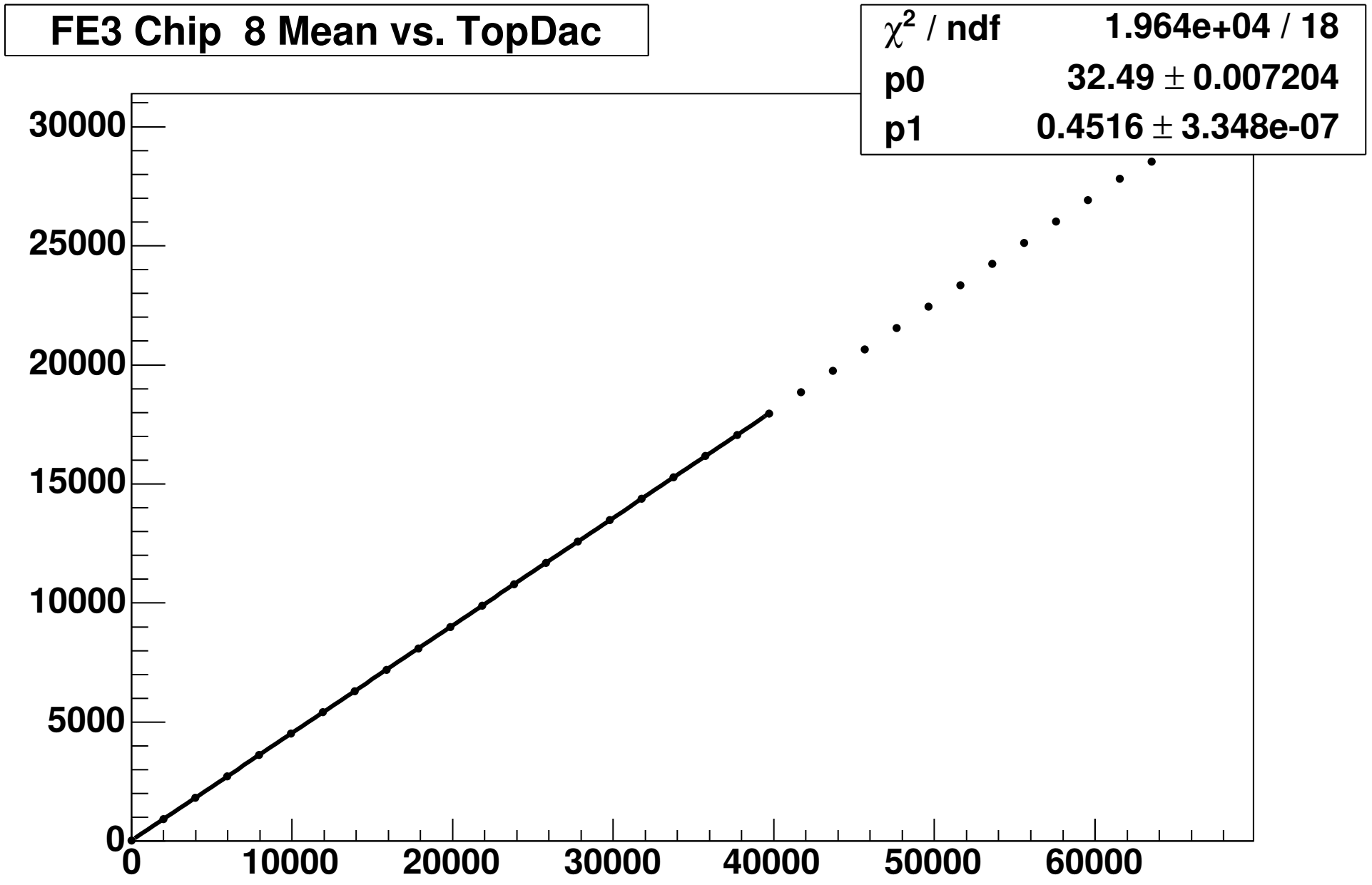

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 22.47 / 18
p0 1.46 ± 0.002456
p1 7.39e-14 ± 2.2e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

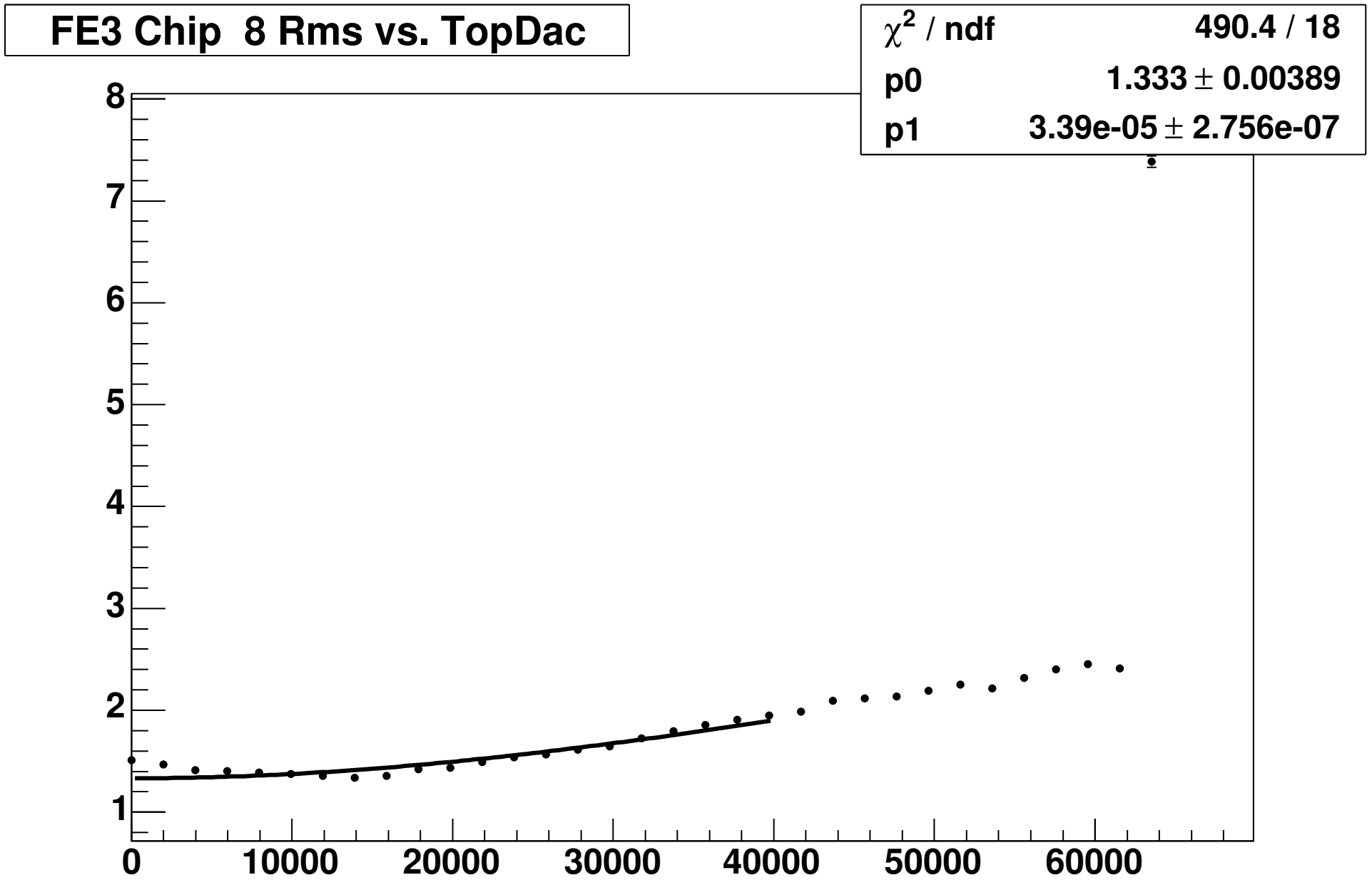

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.44e+04 / 18
p0 26.58 ± 0.007251
p1 0.4519 ± 3.367e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

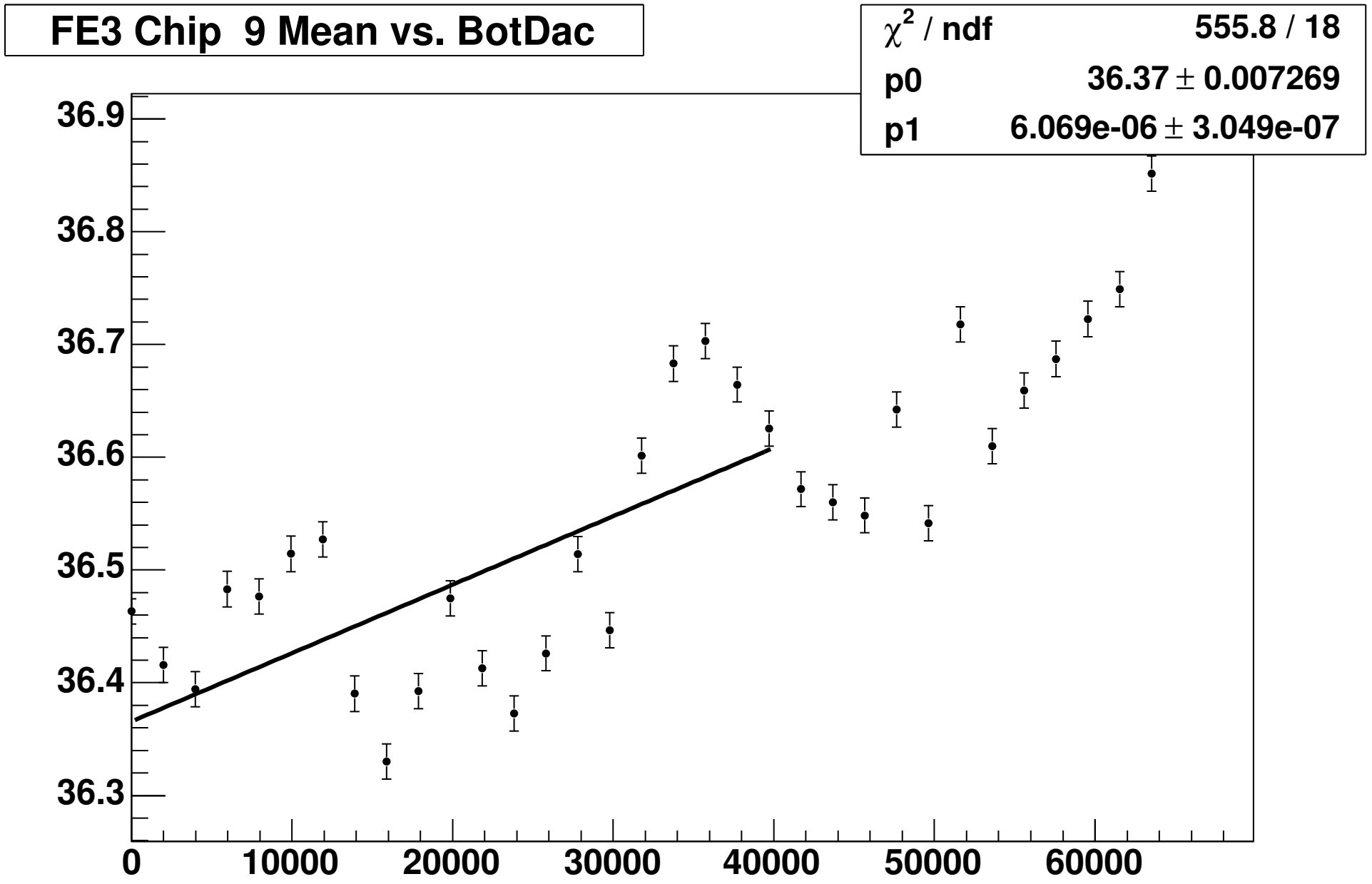

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 377.9 / 18
p0 1.352 ± 0.003931
p1 3.417e-05 ± 2.793e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

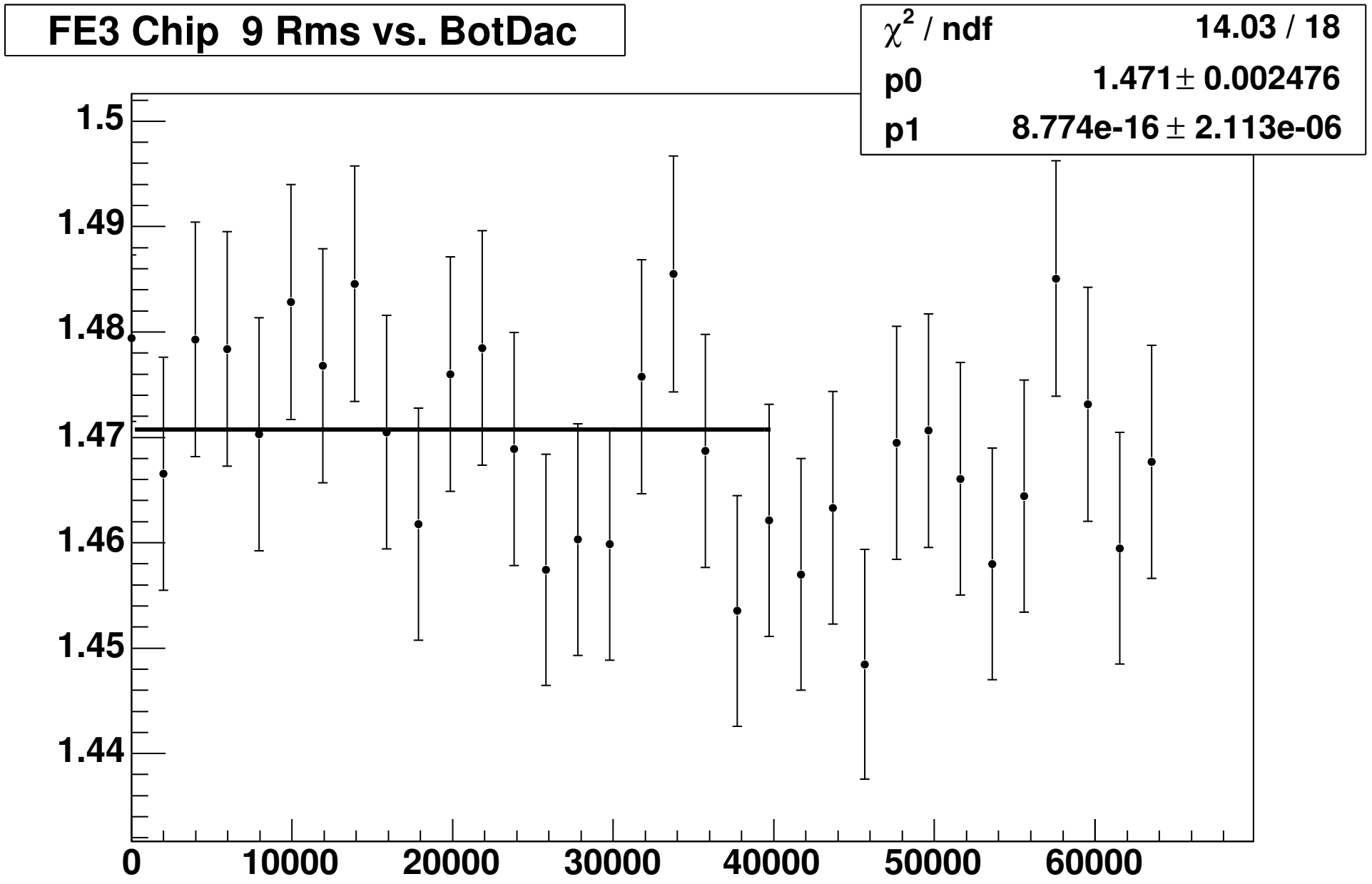

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 564.6 / 18
p0 32.69 ± 0.007397
p1 6.094e-06 ± 3.1e-07
33.2
33.1
33
32.9
32.8
32.7
32.6
0
10000
20000
30000
40000
50000
60000

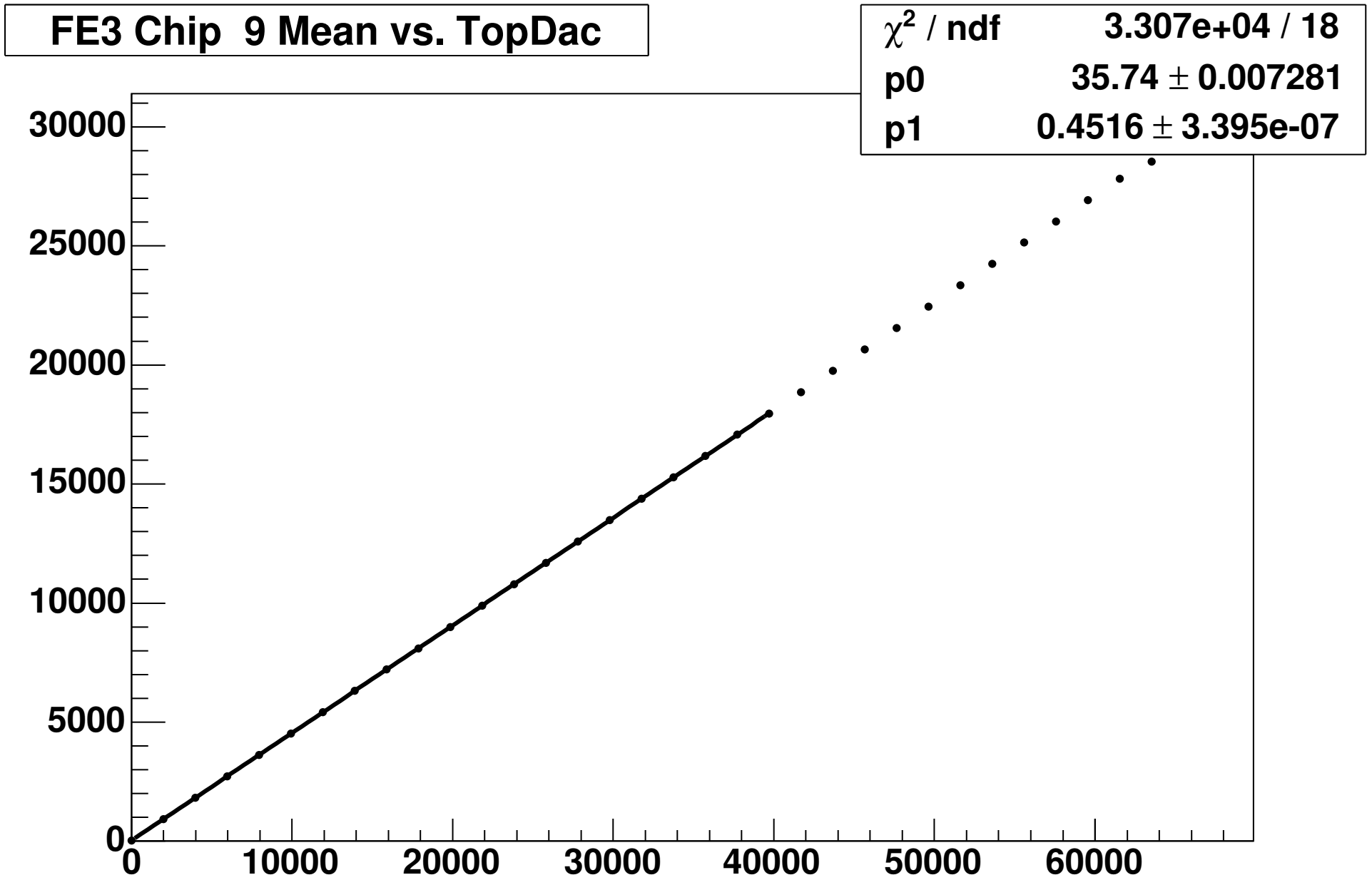

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 18.99 / 18
p0 1.499 ± 0.00252
p1 4.823e-15 ± 1.773e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

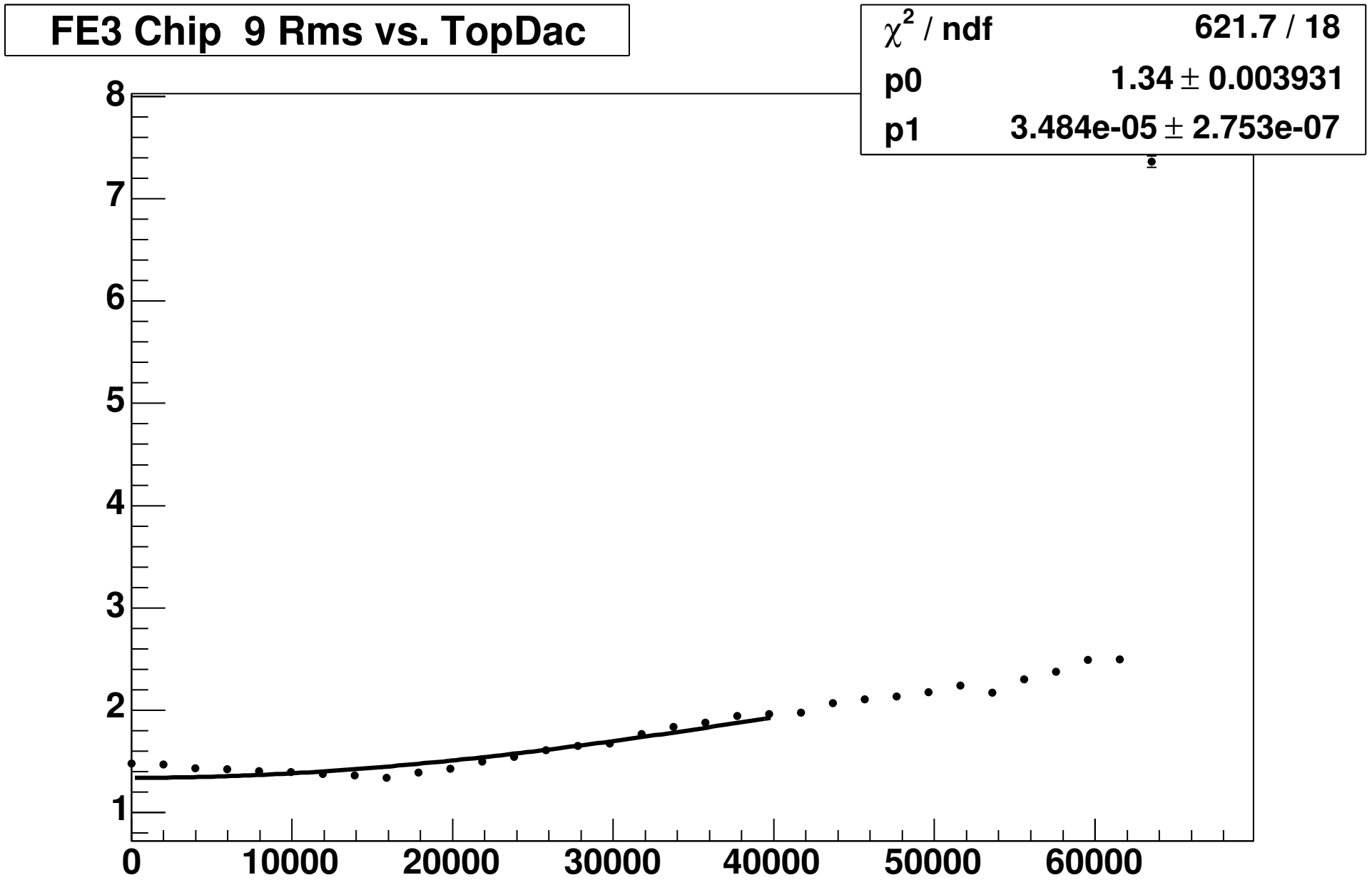

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.964e+04 / 18
p0 32.49 ± 0.007204
p1 0.4516 ± 3.348e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

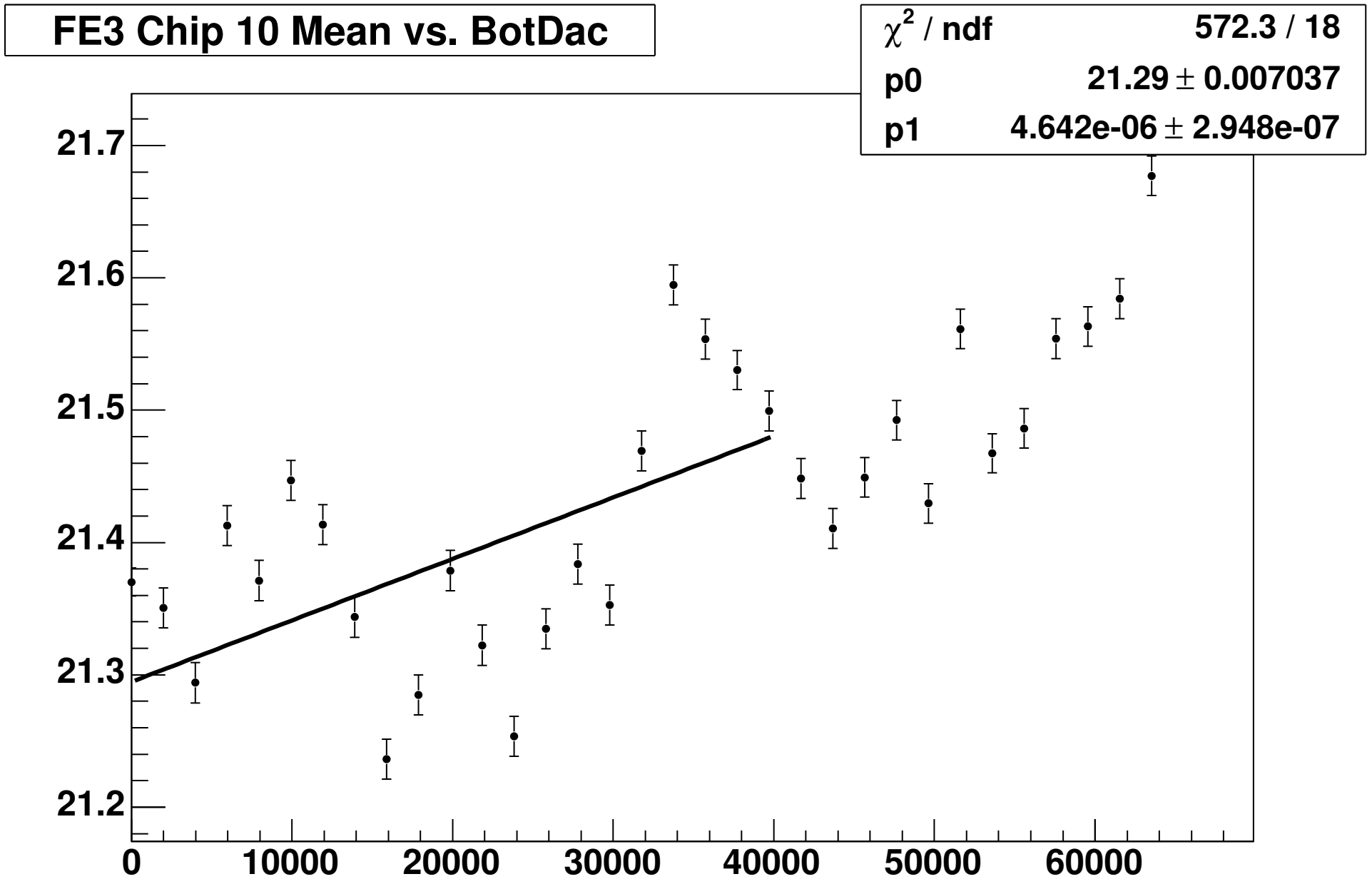

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 490.4 / 18
p0 1.333 ± 0.00389
p1 3.39e-05 ± 2.756e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

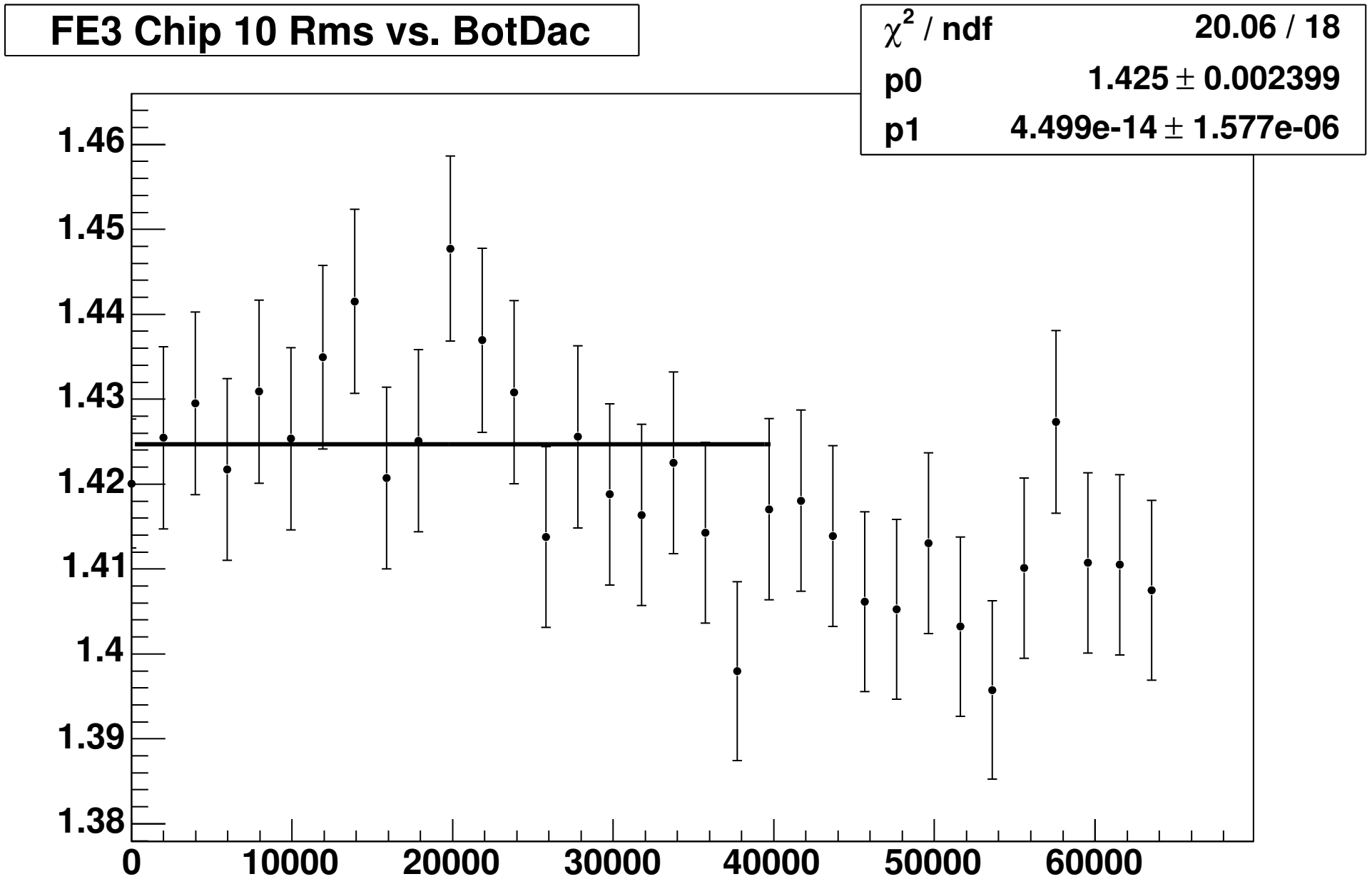

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 555.8 / 18
p0 36.37 ± 0.007269
p1 6.069e-06 ± 3.049e-07
36.9
36.8
36.7
36.6
36.5
36.4
36.3
0
10000
20000
30000
40000
50000
60000

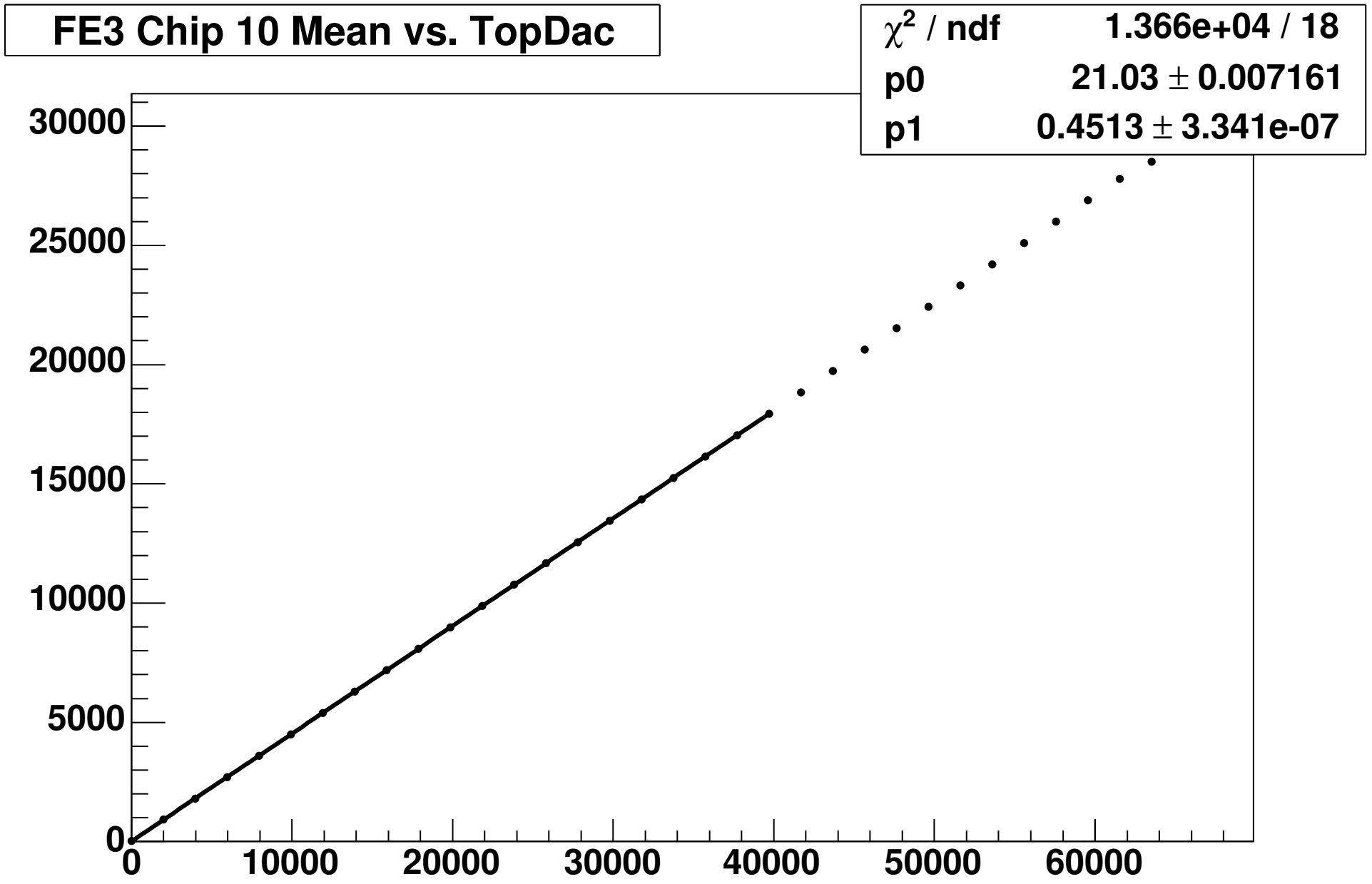

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 14.03 / 18
p0 1.471 ± 0.002476
p1 8.774e-16 ± 2.113e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

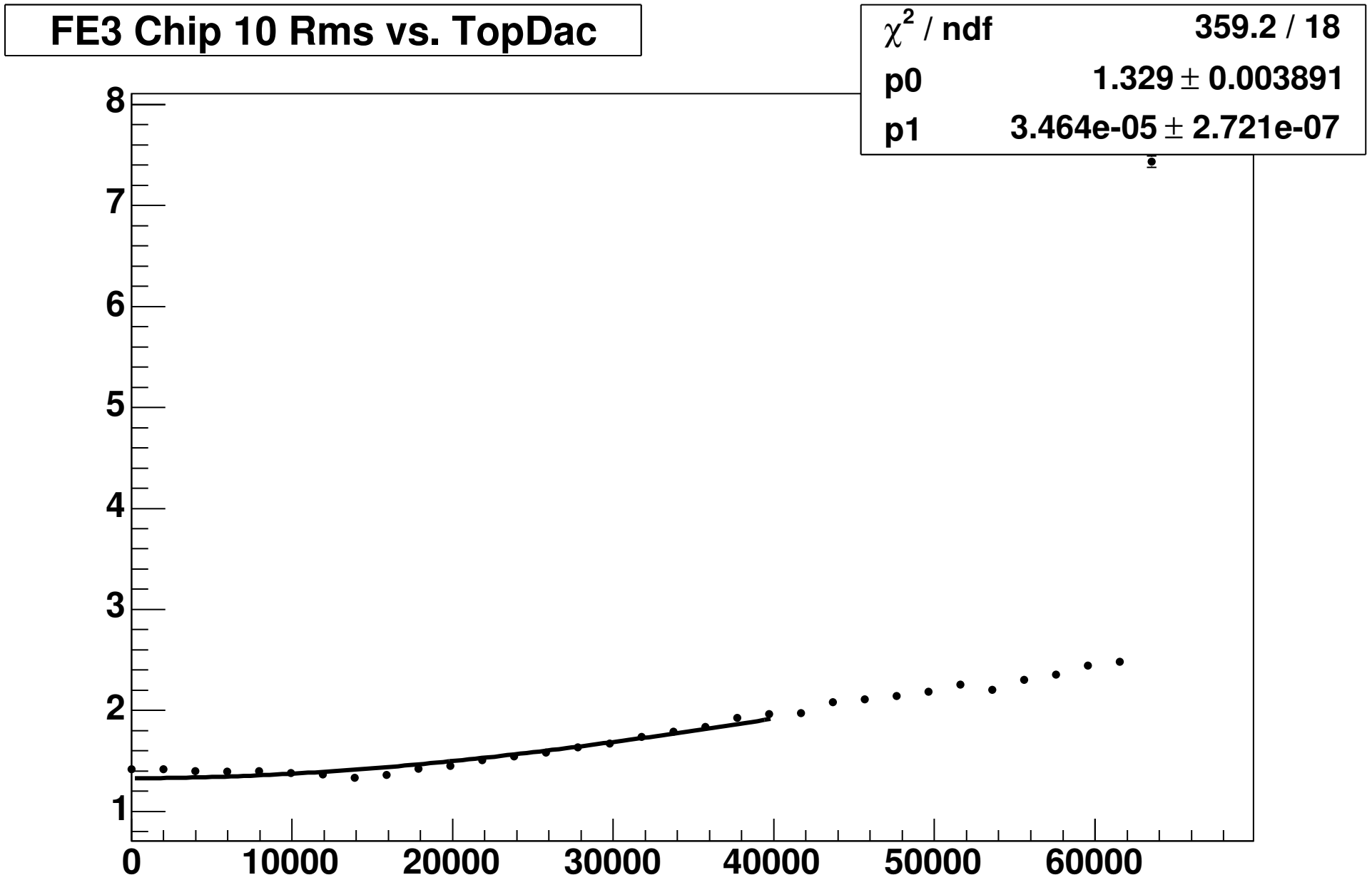

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 3.307e+04 / 18
p0 35.74 ± 0.007281
p1 0.4516 ± 3.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

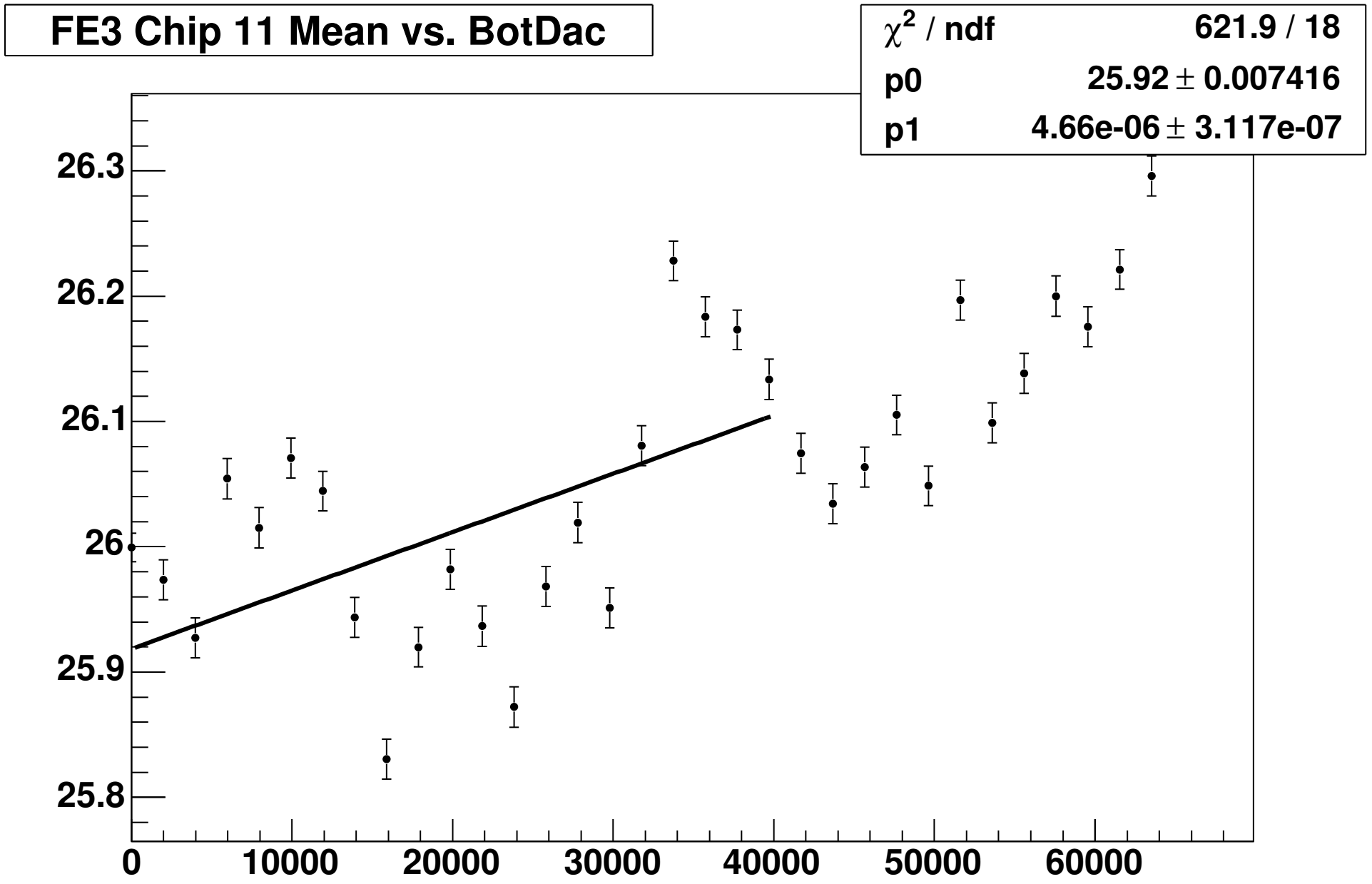

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 621.7 / 18
p0 1.34 ± 0.003931
p1 3.484e-05 ± 2.753e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

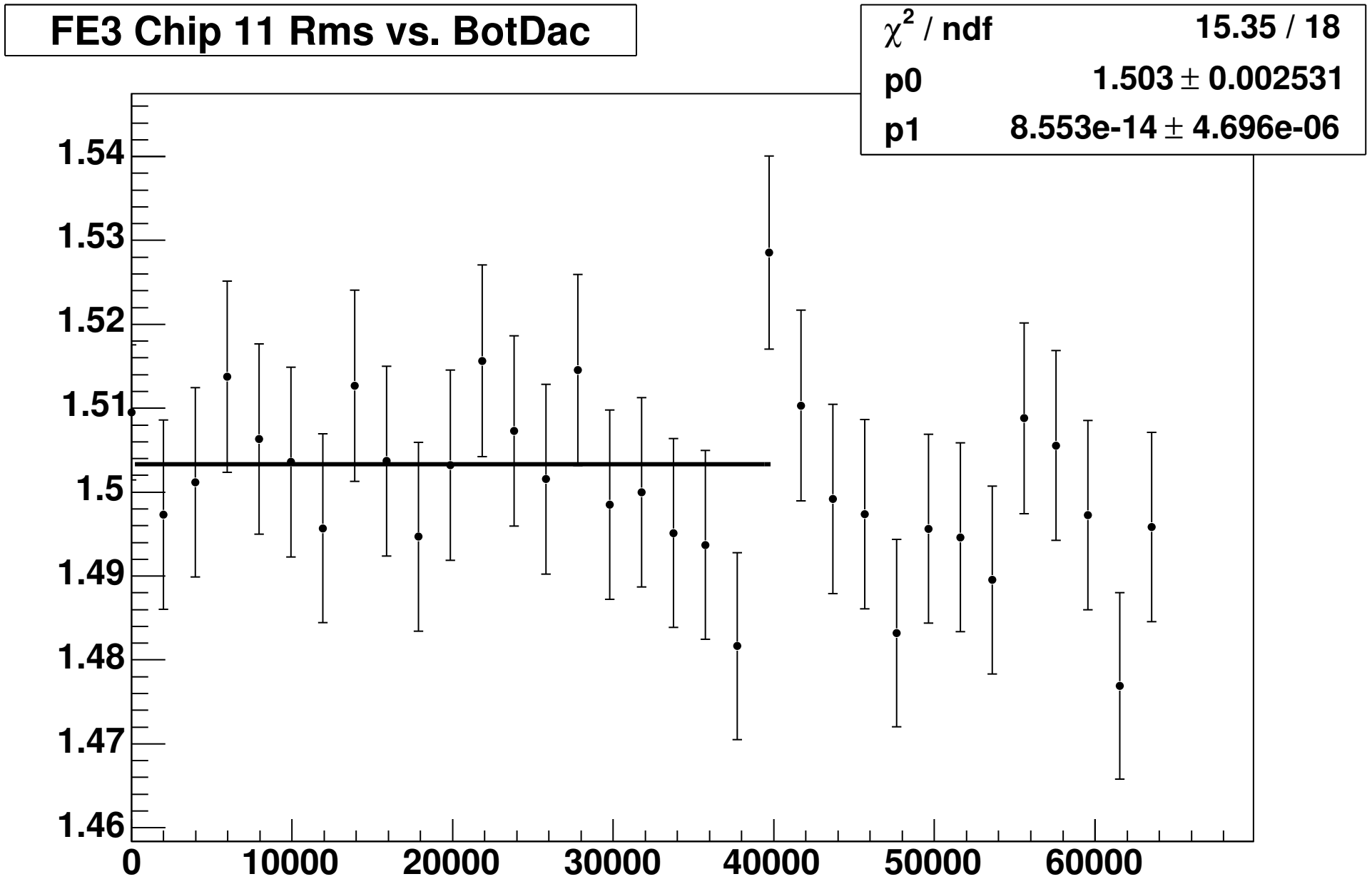

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 572.3 / 18
p0 21.29 ± 0.007037
p1 4.642e-06 ± 2.948e-07
21.7
21.6
21.5
21.4
21.3
21.2
0
10000
20000
30000
40000
50000
60000

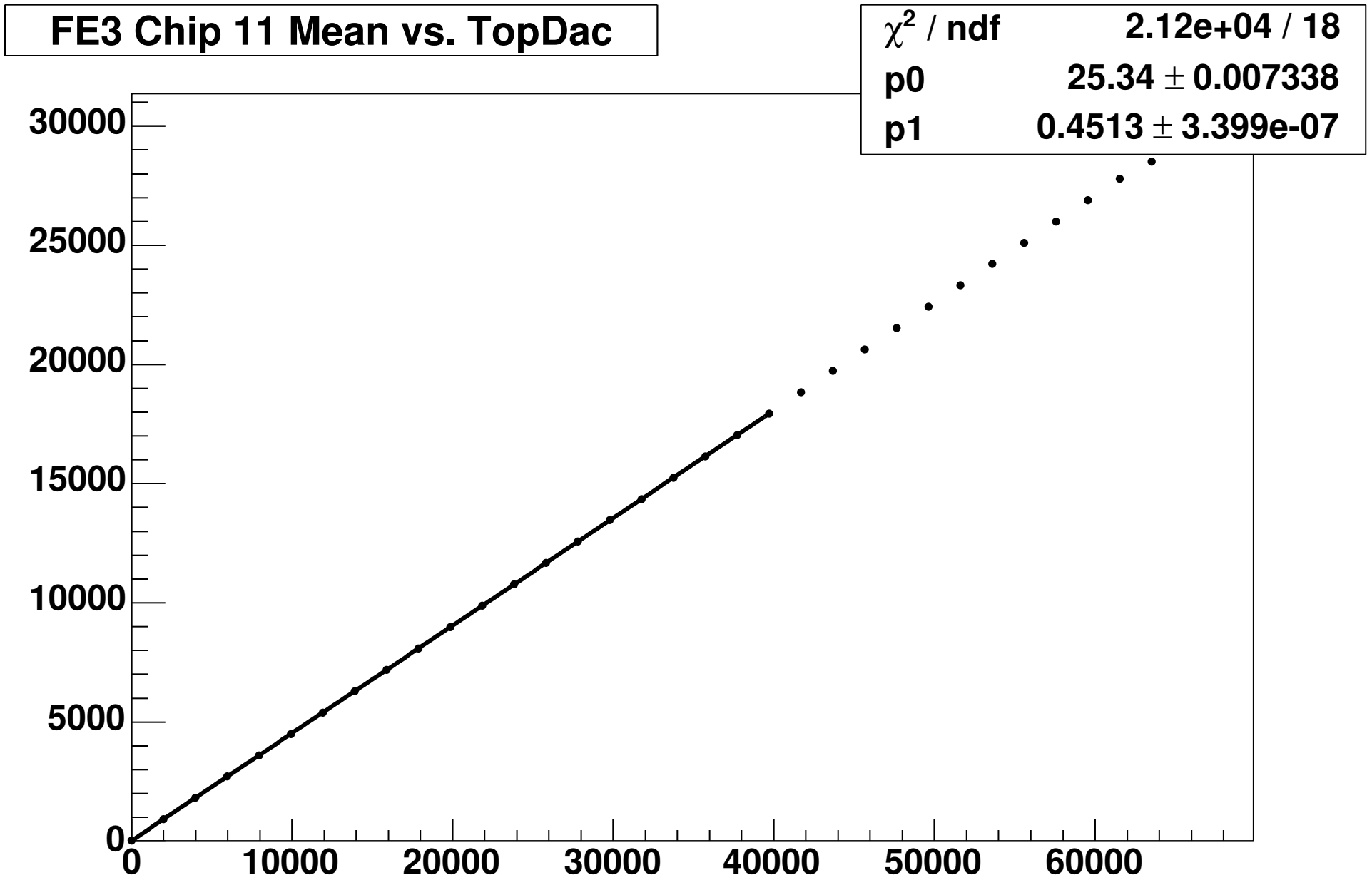

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 20.06 / 18
p0 1.425 ± 0.002399
p1 4.499e-14 ± 1.577e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

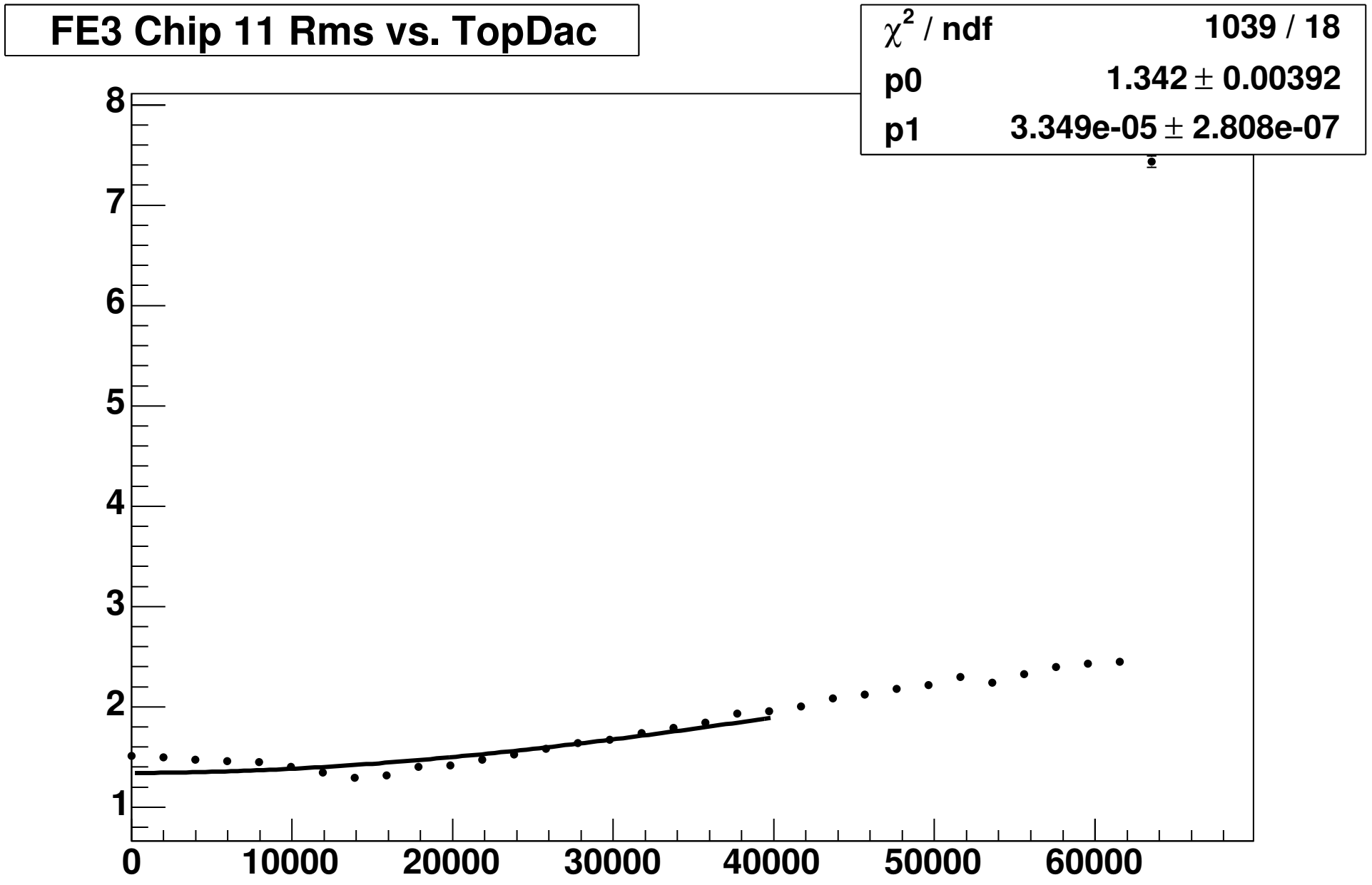

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.366e+04 / 18
p0 21.03 ± 0.007161
p1 0.4513 ± 3.341e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

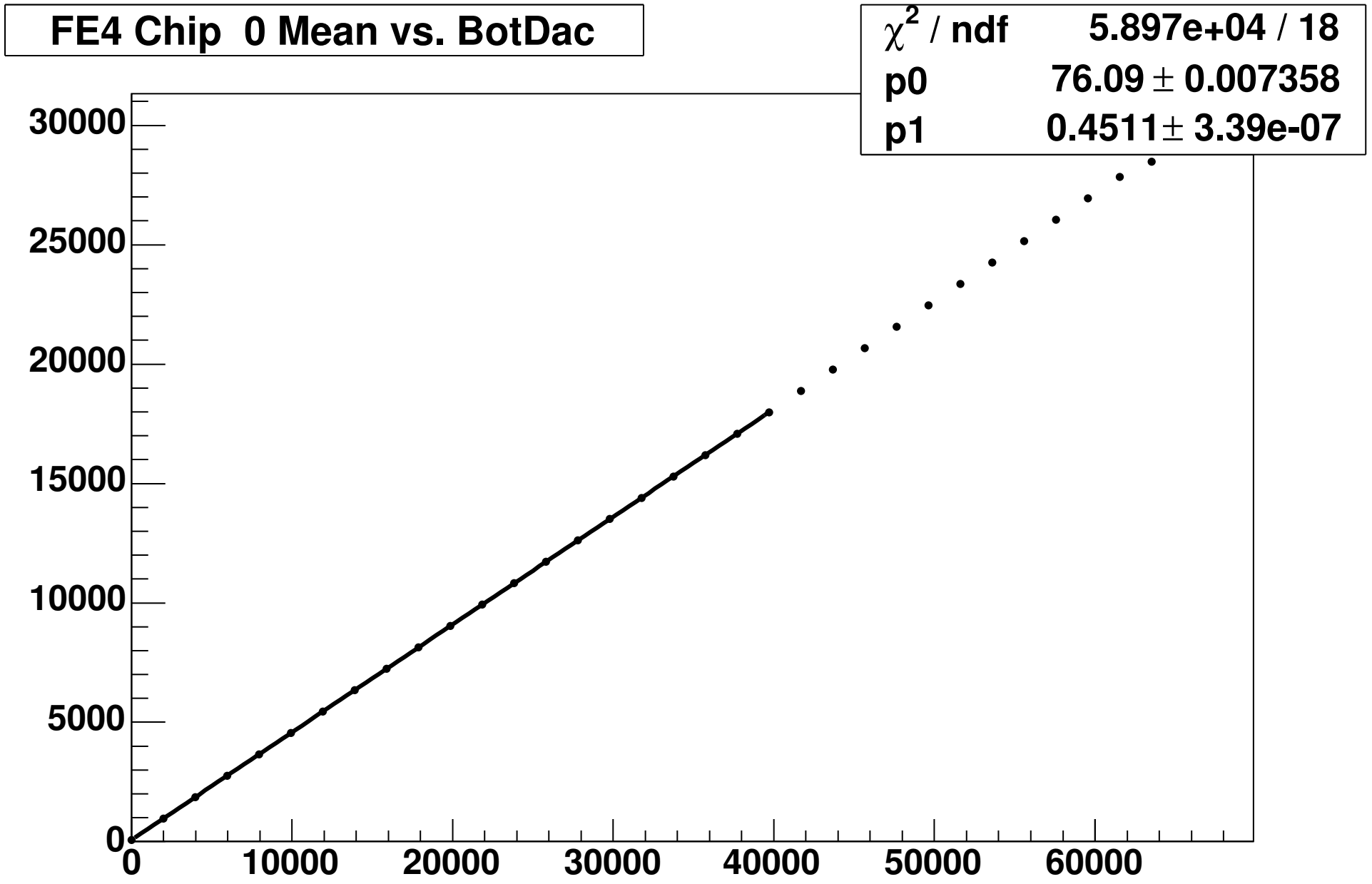

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 359.2 / 18
p0 1.329 ± 0.003891
p1 3.464e-05 ± 2.721e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

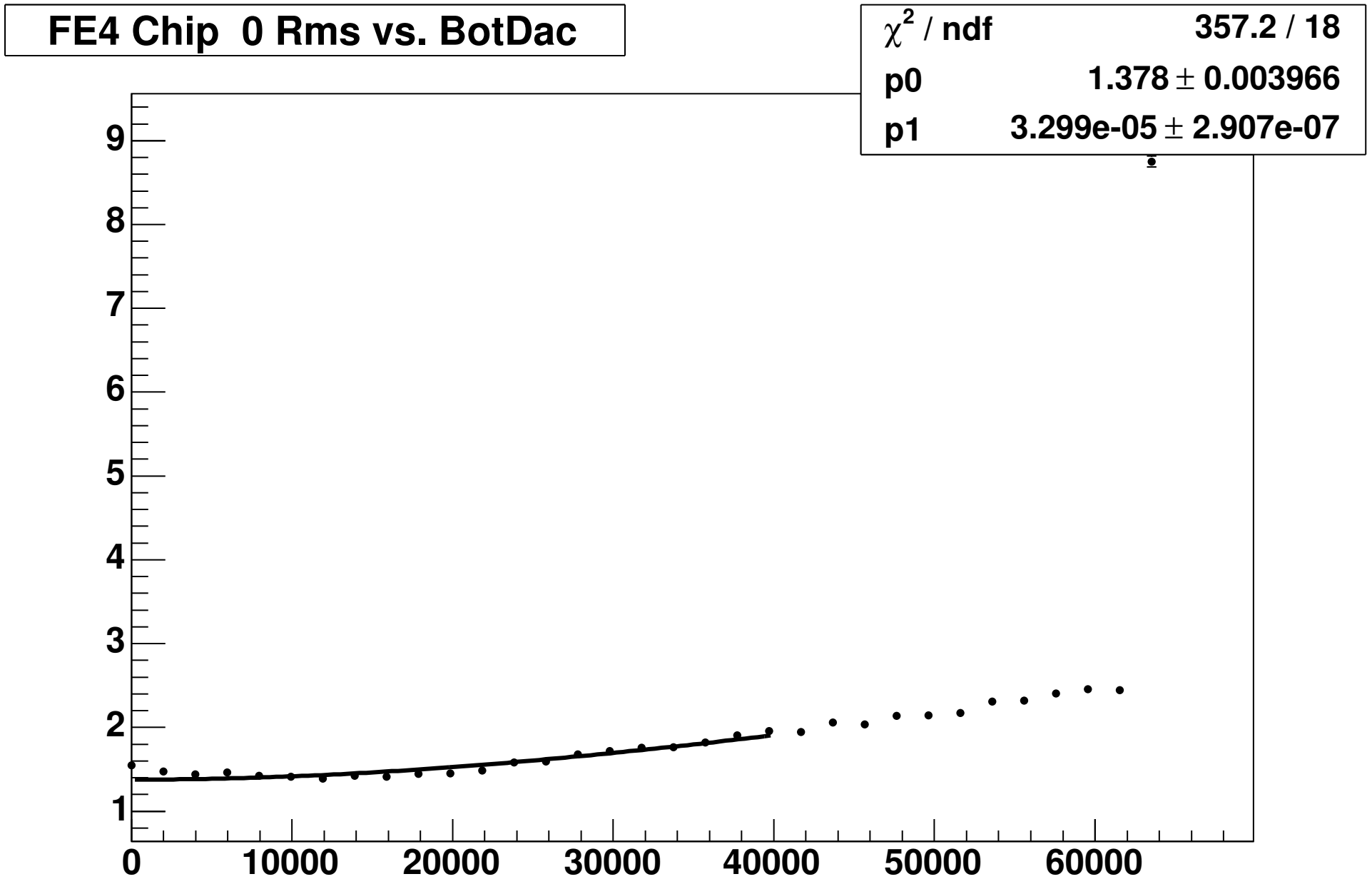

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 621.9 / 18
p0 25.92 ± 0.007416
p1 4.66e-06 ± 3.117e-07
26.3
26.2
26.1
26
25.9
25.8
0
10000
20000
30000
40000
50000
60000

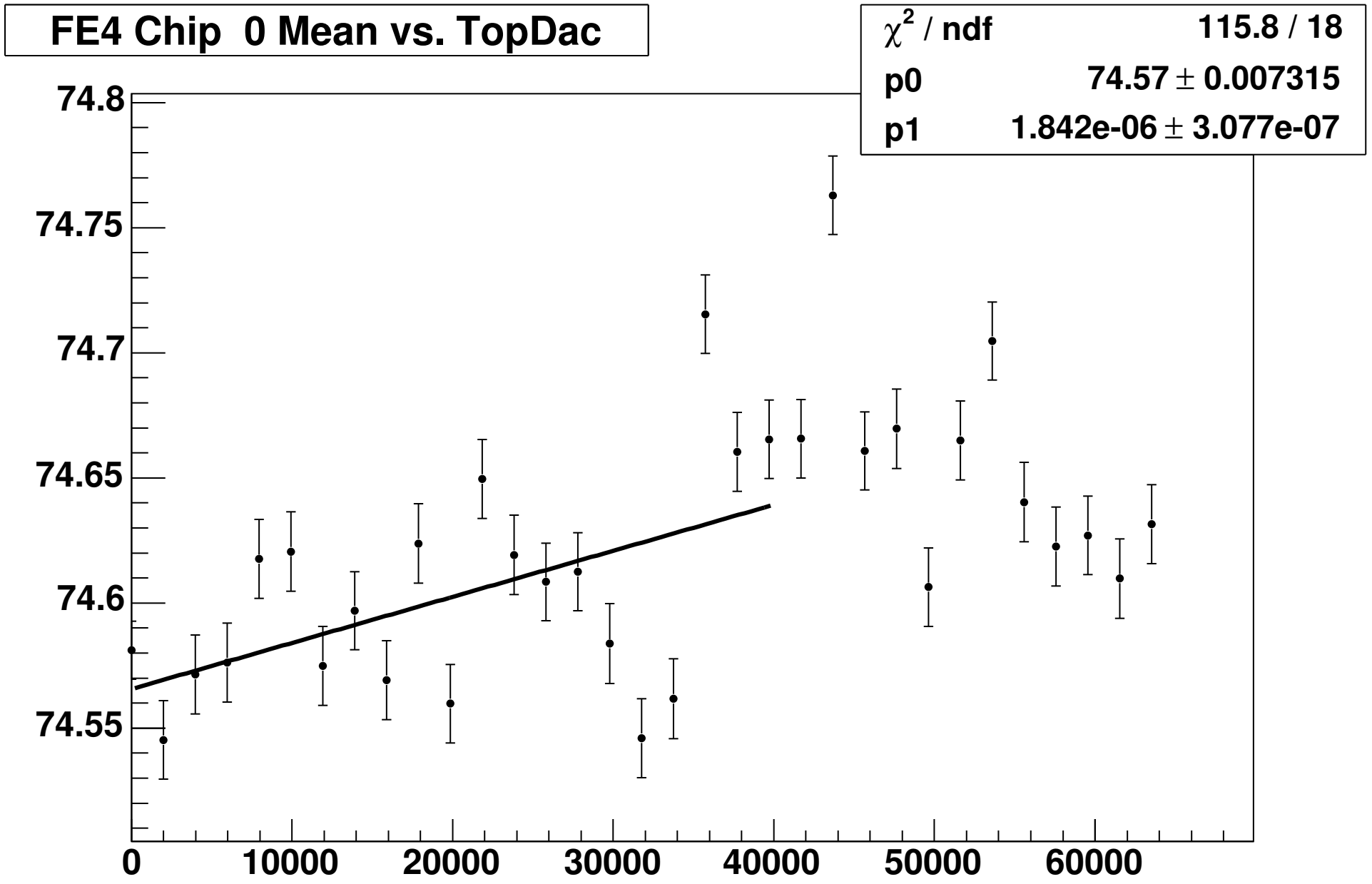

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 15.35 / 18
p0 1.503 ± 0.002531
p1 8.553e-14 ± 4.696e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

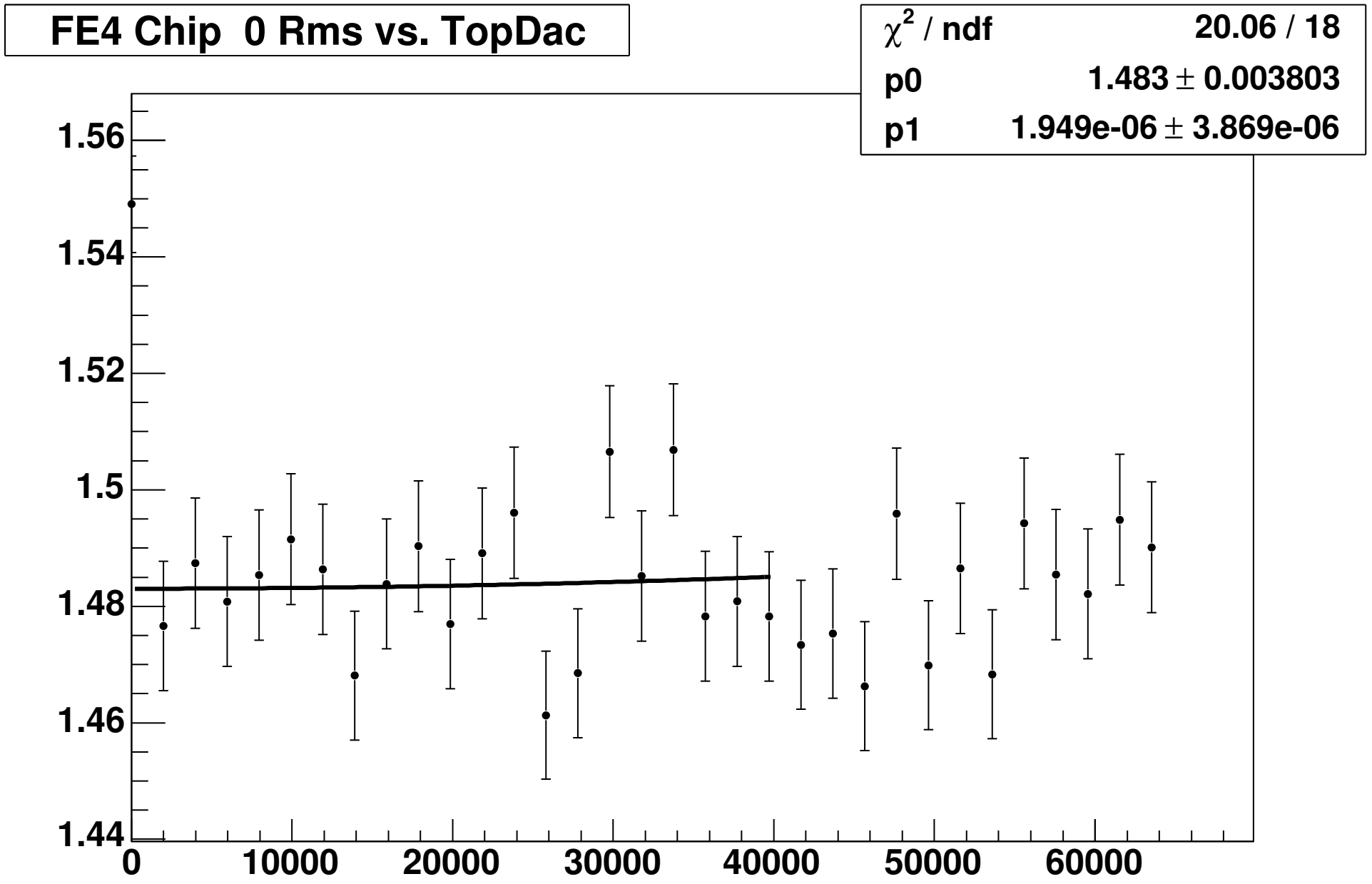

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 2.12e+04 / 18
p0 25.34 ± 0.007338
p1 0.4513 ± 3.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

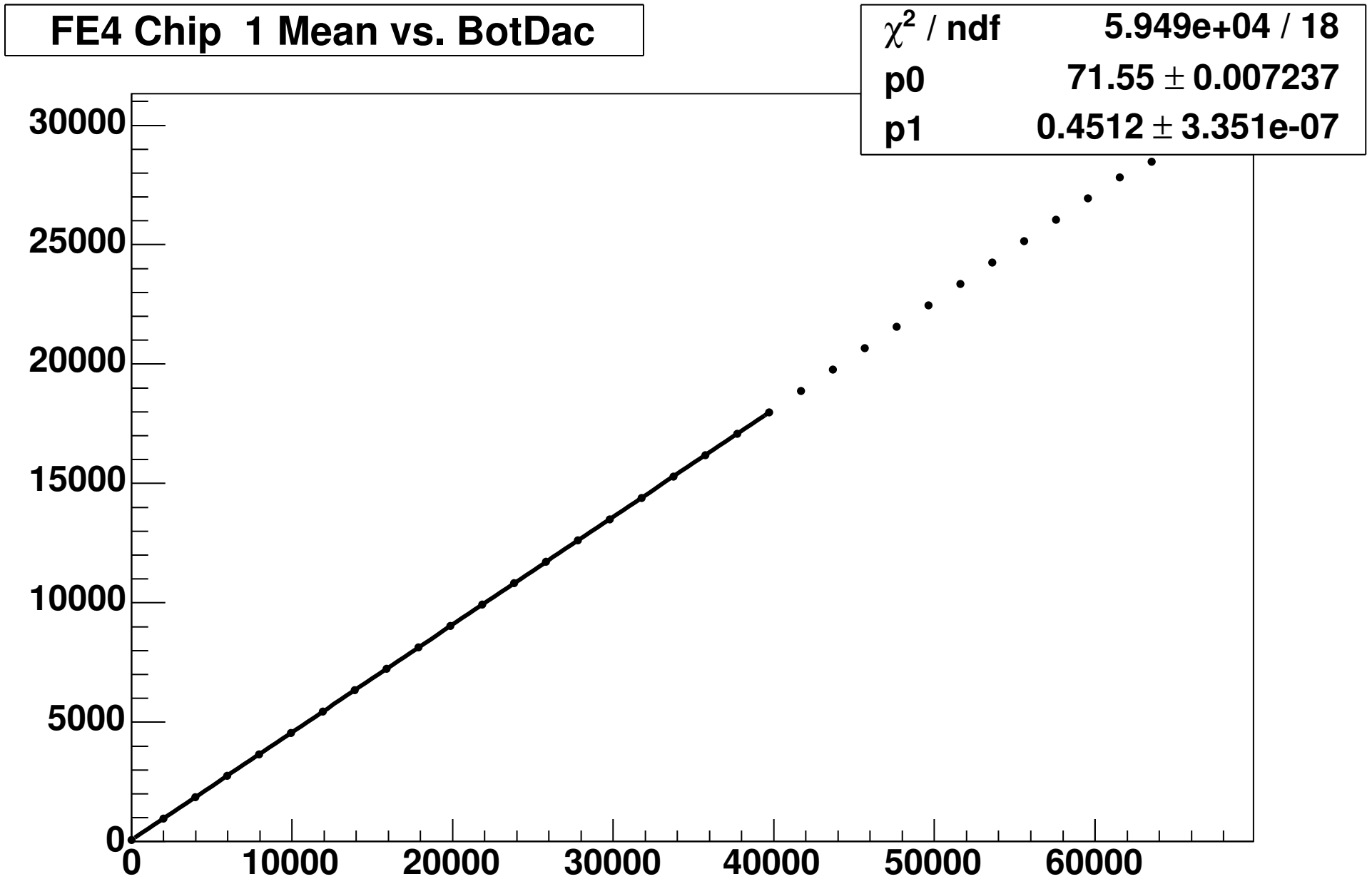

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1039 / 18
p0 1.342 ± 0.00392
p1 3.349e-05 ± 2.808e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

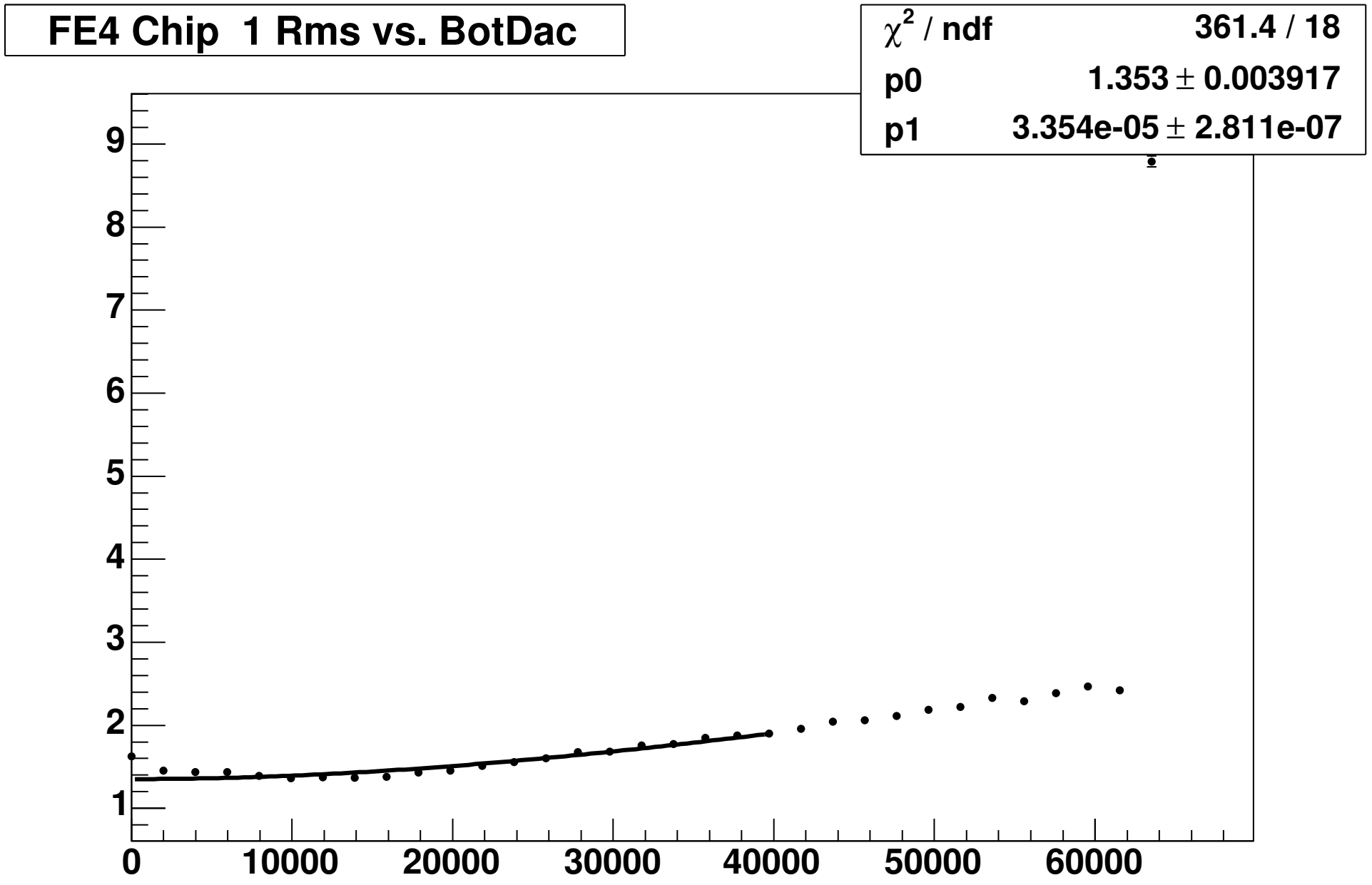

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 5.897e+04 / 18
p0 76.09 ± 0.007358
p1 0.4511 ± 3.39e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

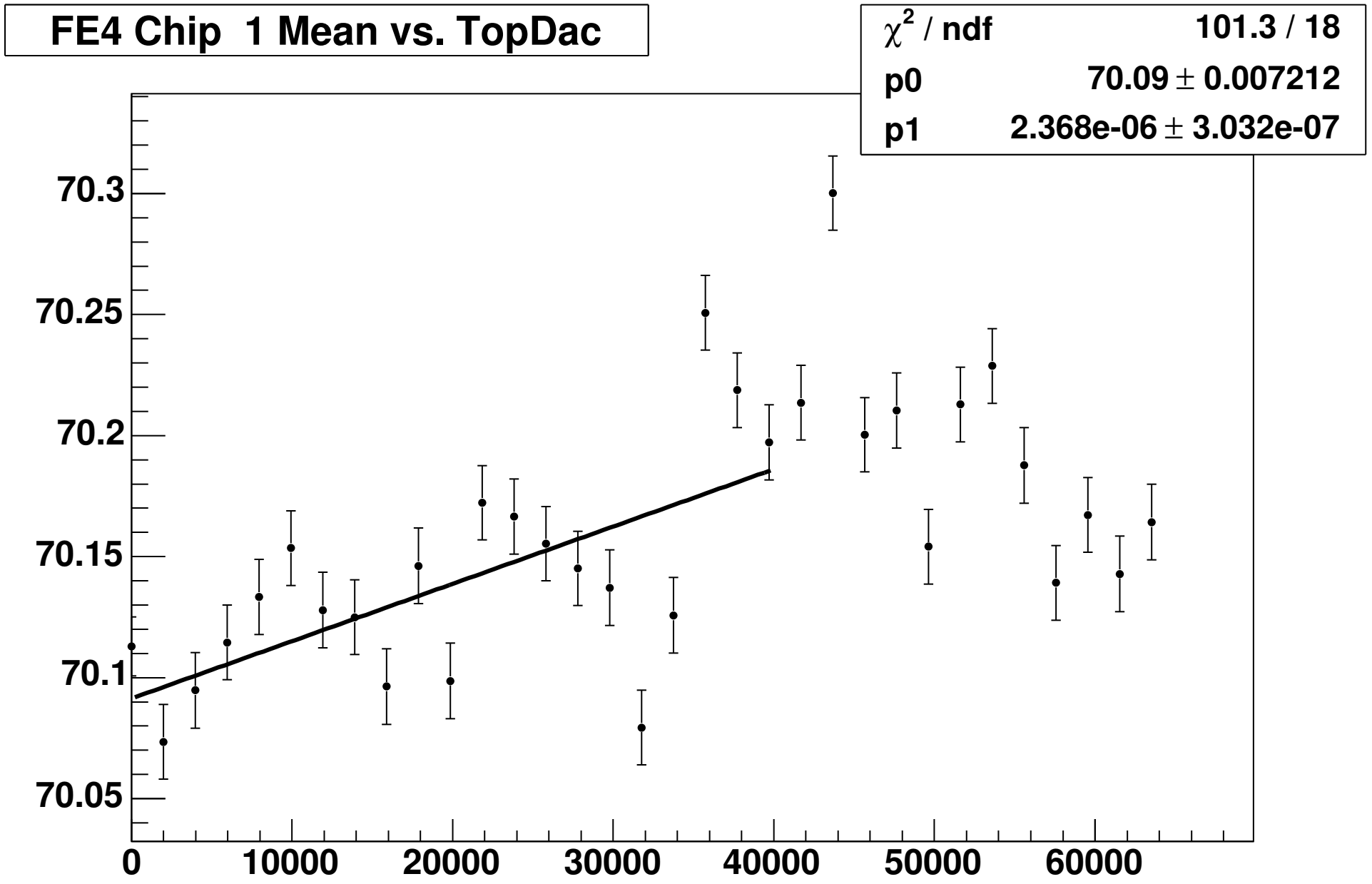

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 357.2 / 18
p0 1.378 ± 0.003966
p1 3.299e-05 ± 2.907e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

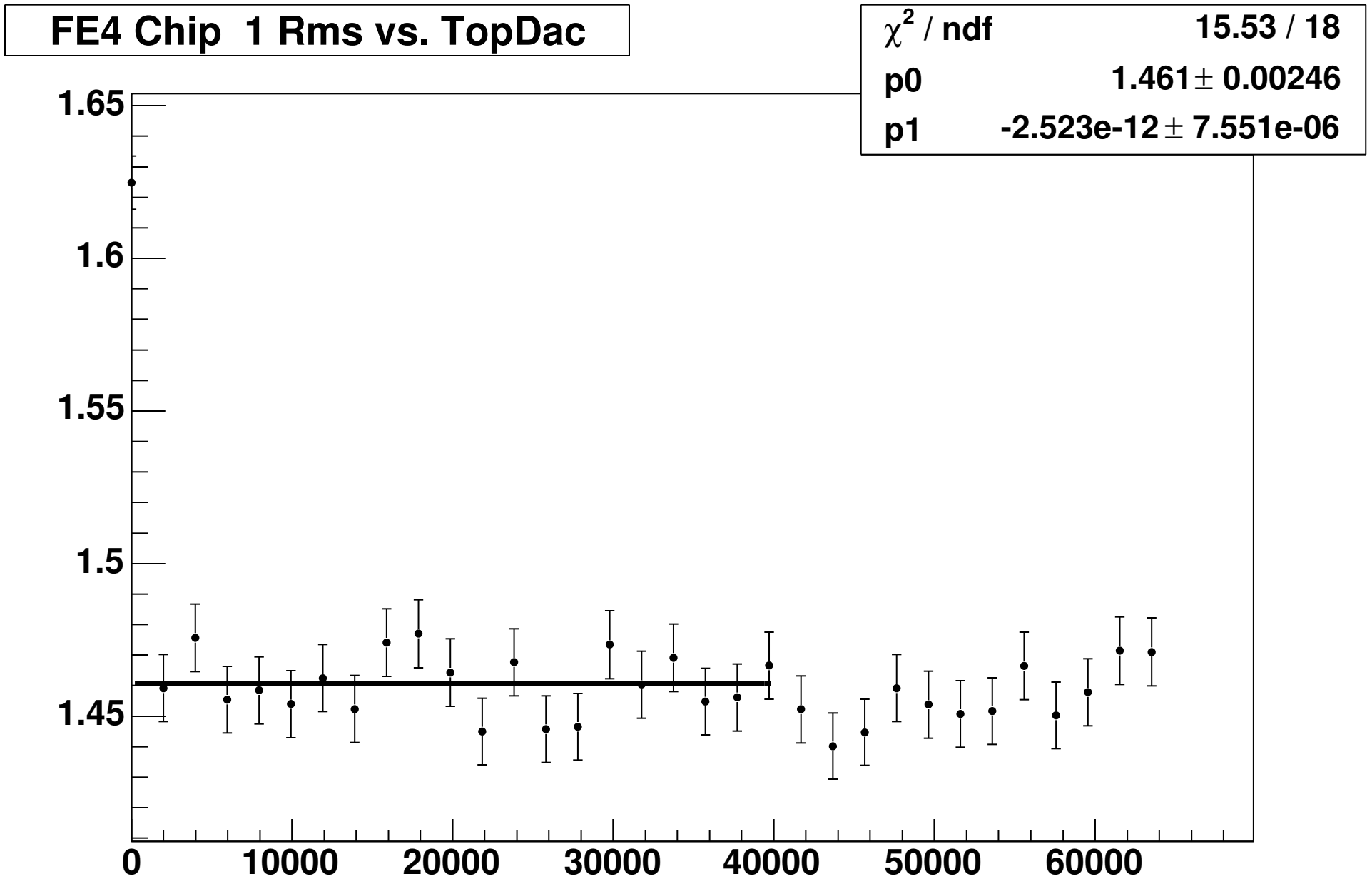

FE4 Chip 0 Mean vs. TopDac
χ^2 / ndf 115.8 / 18
p0 74.57 ± 0.007315
p1 1.842e-06 ± 3.077e-07
74.8
74.75
74.7
74.65
74.6
74.55
0
10000
20000
30000
40000
50000
60000

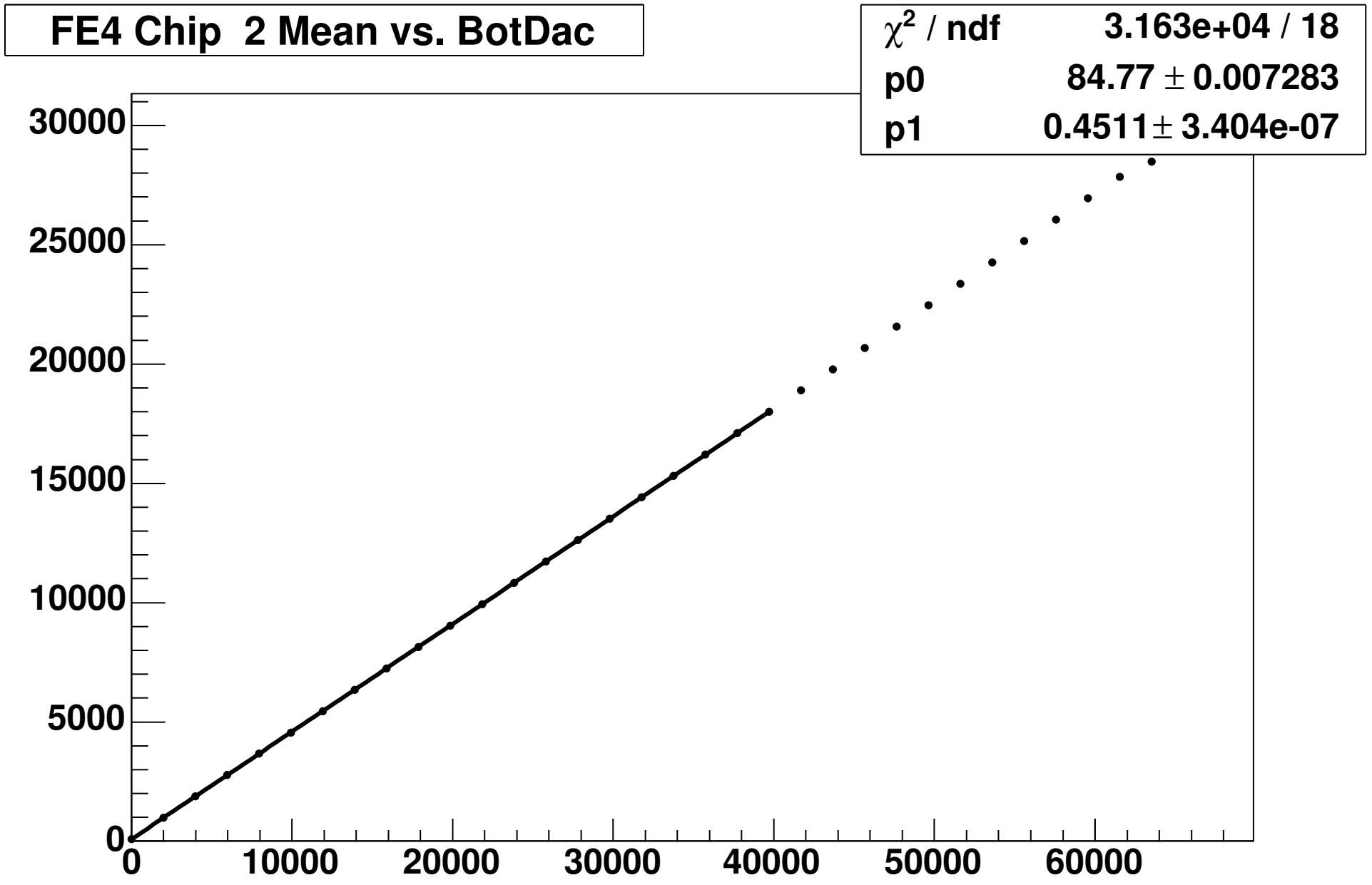

FE4 Chip 0 Rms vs. TopDac
χ² / ndf 20.06 / 18
p0 1.483 ± 0.003803
p1 1.949e-06 ± 3.869e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

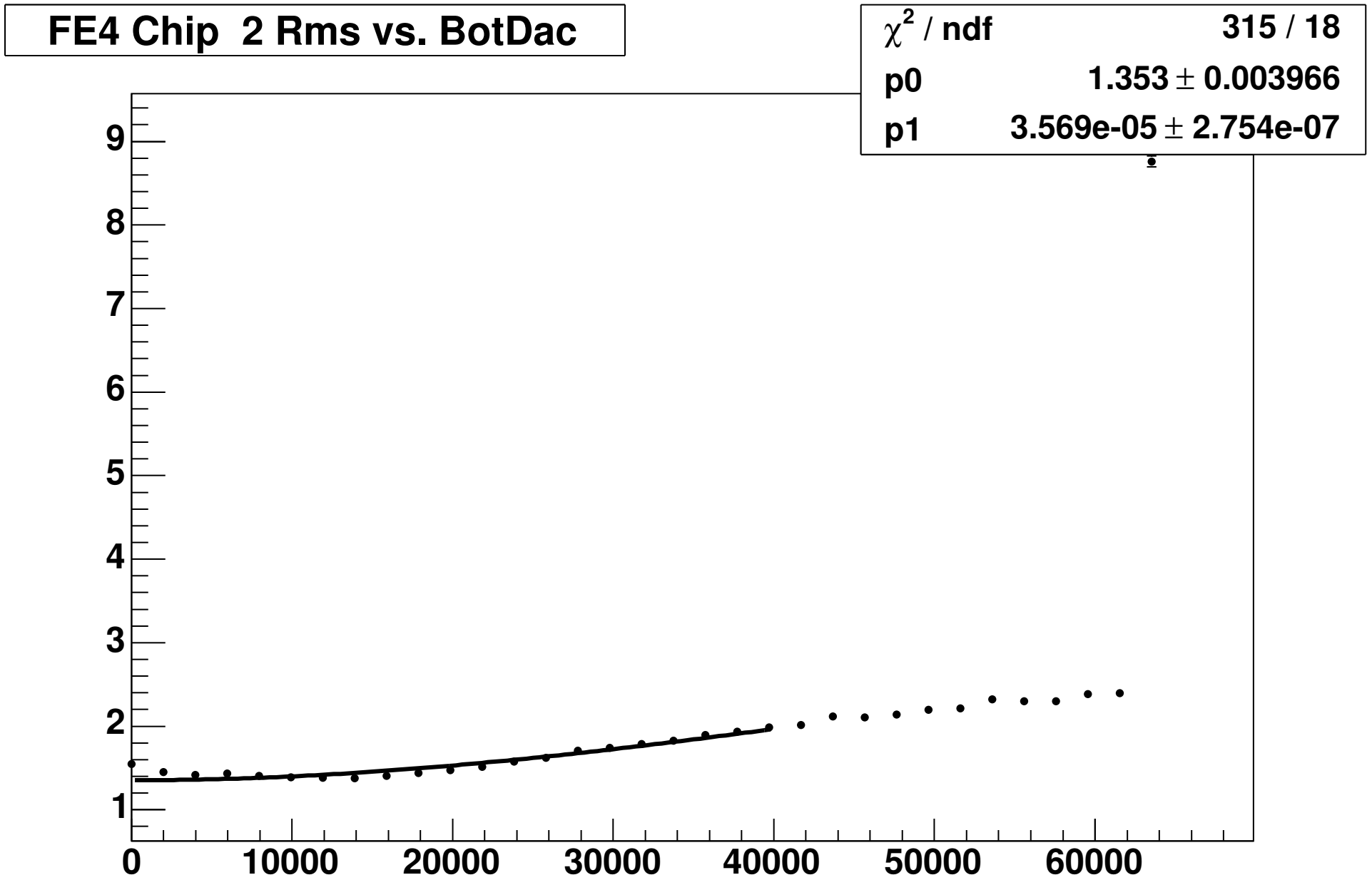

FE4 Chip 1 Mean vs. BotDac
χ² / ndf 5.949e+04 / 18
p0 71.55 ± 0.007237
p1 0.4512 ± 3.351e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

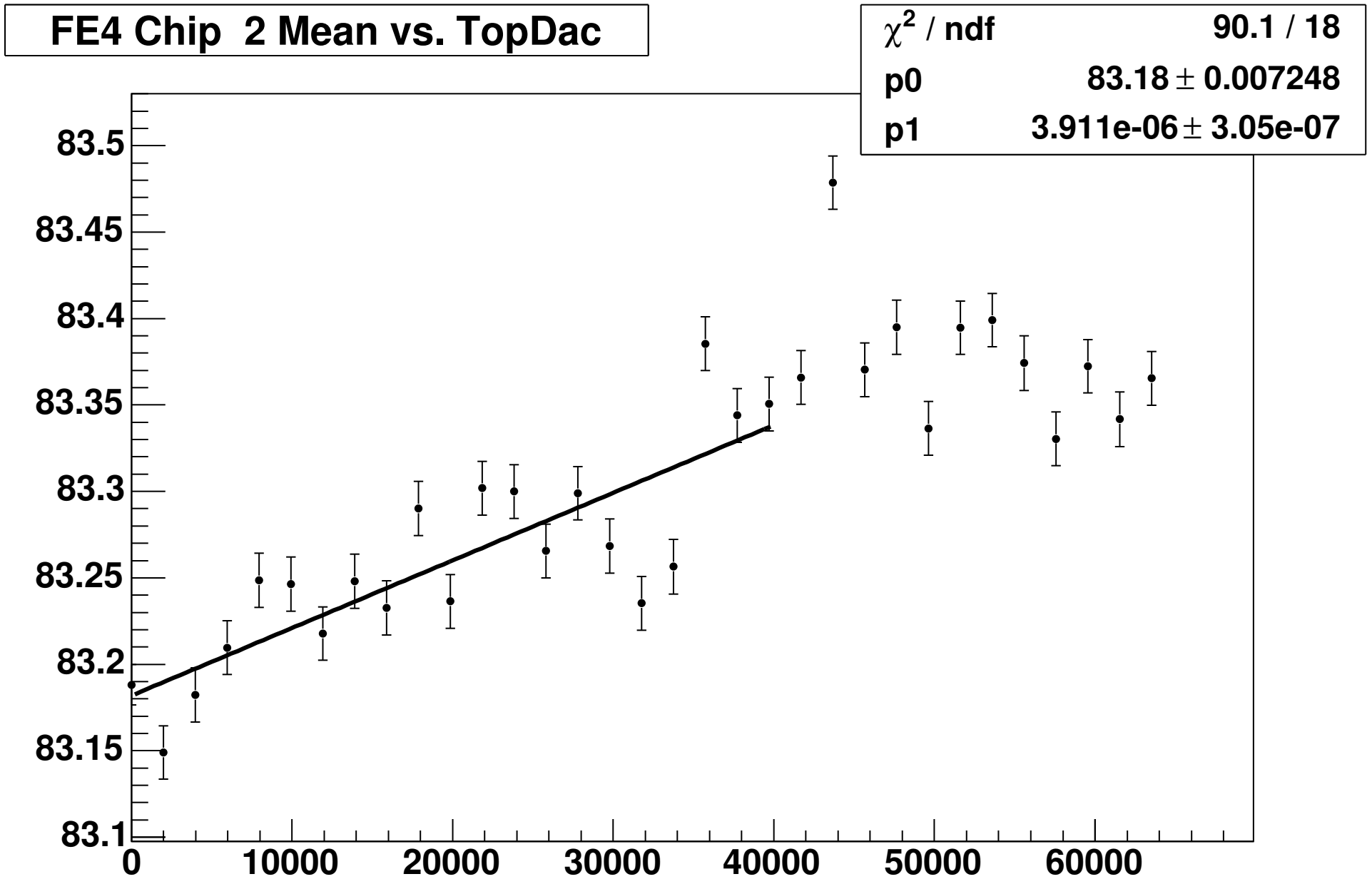

FE4 Chip 1 Rms vs. BotDac
χ² / ndf 361.4 / 18
p0 1.353 ± 0.003917
p1 3.354e-05 ± 2.811e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

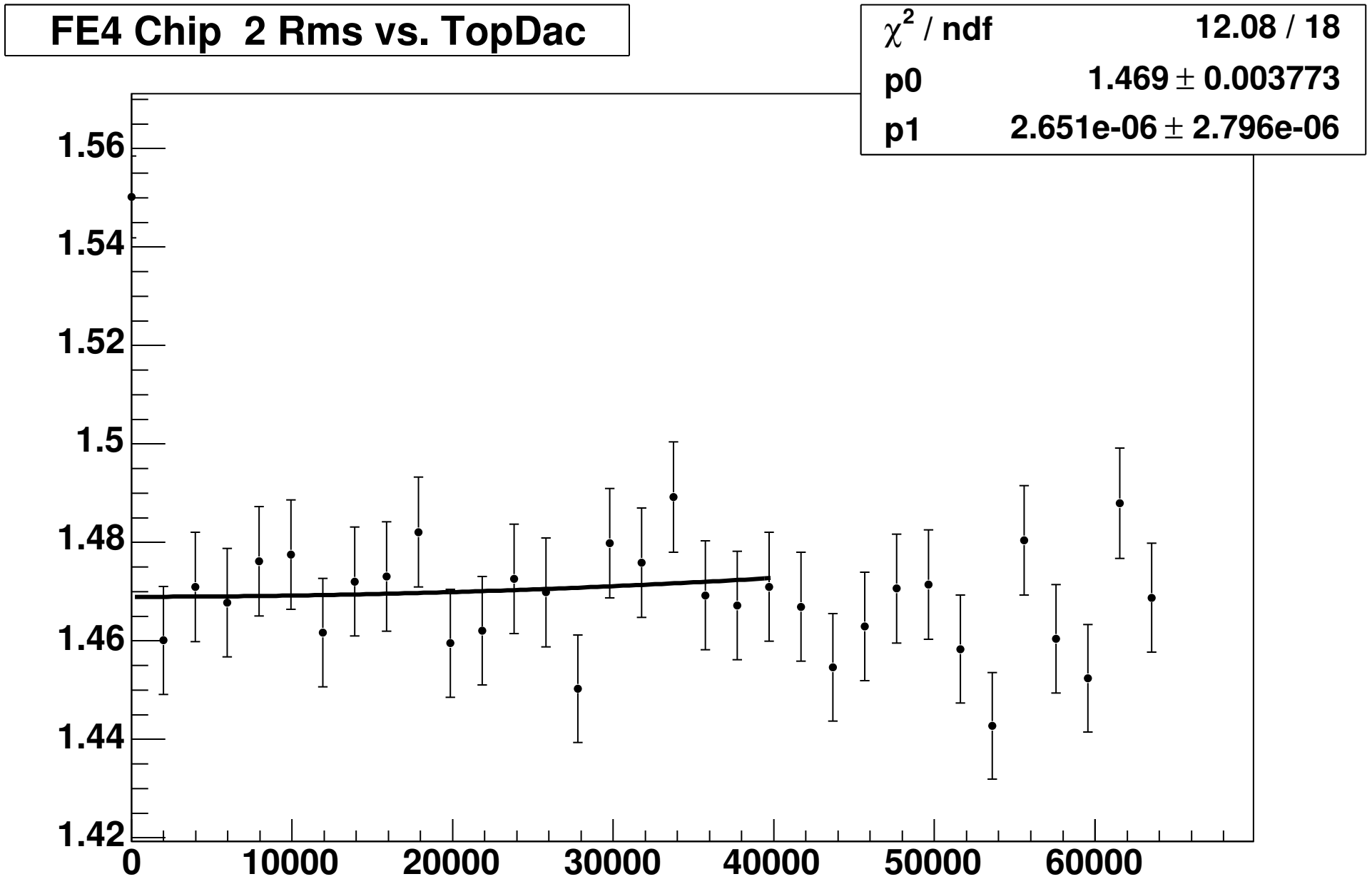

FE4 Chip 1 Mean vs. TopDac
χ² / ndf 101.3 / 18
p0 70.09 ± 0.007212
p1 2.368e-06 ± 3.032e-07
70.3
70.25
70.2
70.15
70.1
70.05
0
10000
20000
30000
40000
50000
60000

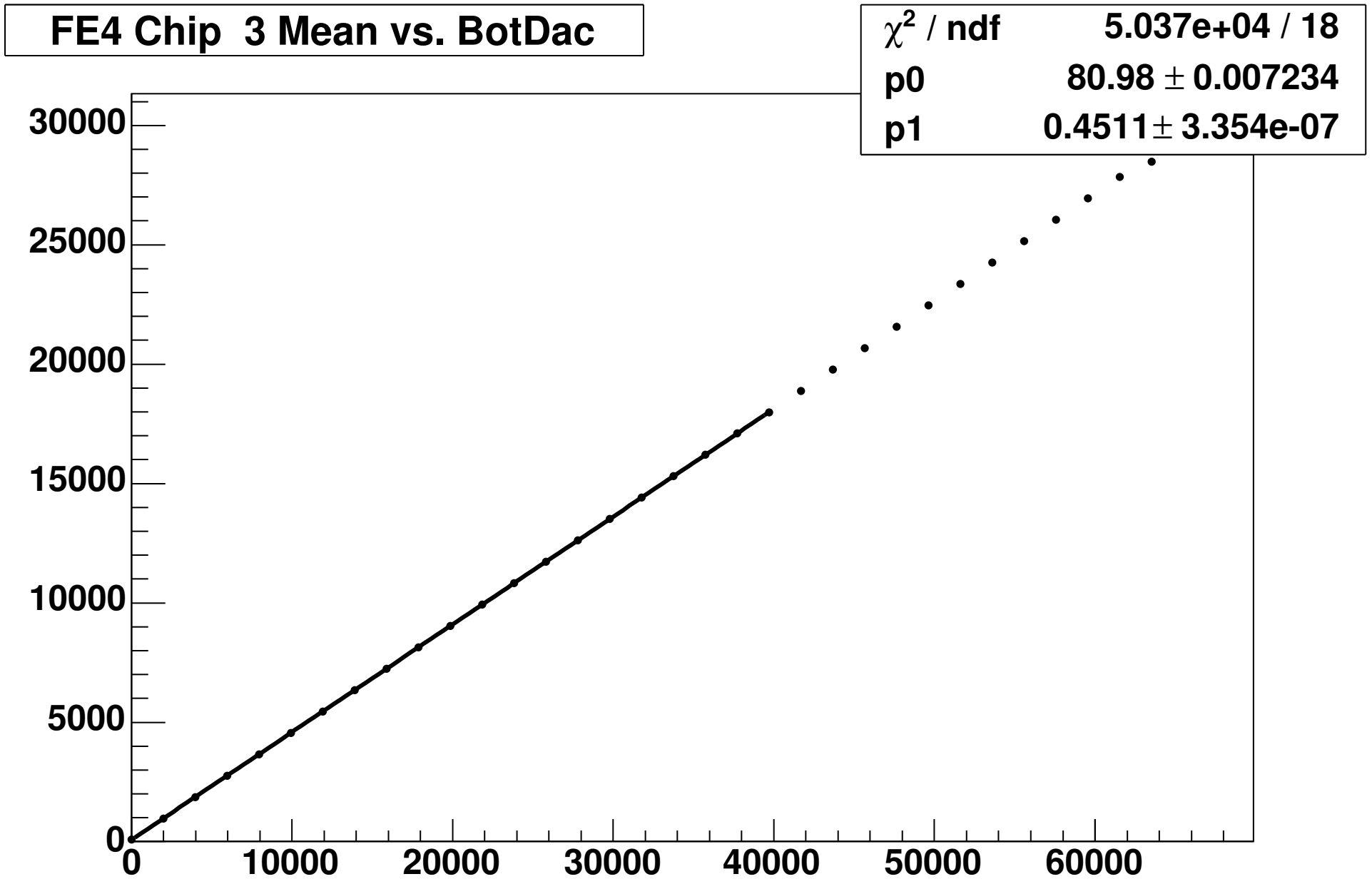

FE4 Chip 1 Rms vs. TopDac
χ² / ndf 15.53 / 18
p0 1.461 ± 0.00246
p1 -2.523e-12 ± 7.551e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

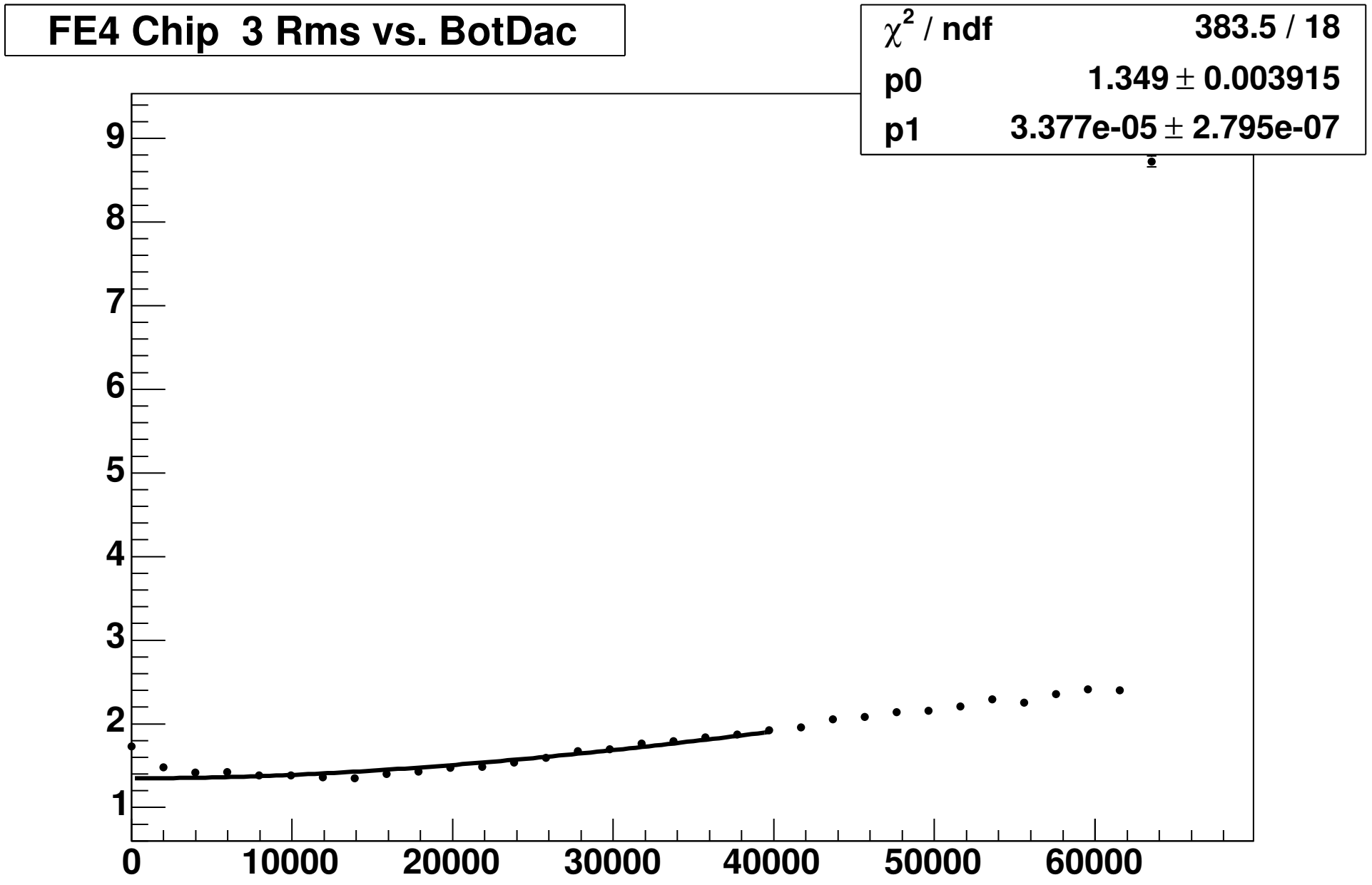

FE4 Chip 2 Mean vs. BotDac
χ² / ndf 3.163e+04 / 18
p0 84.77 ± 0.007283
p1 0.4511 ± 3.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

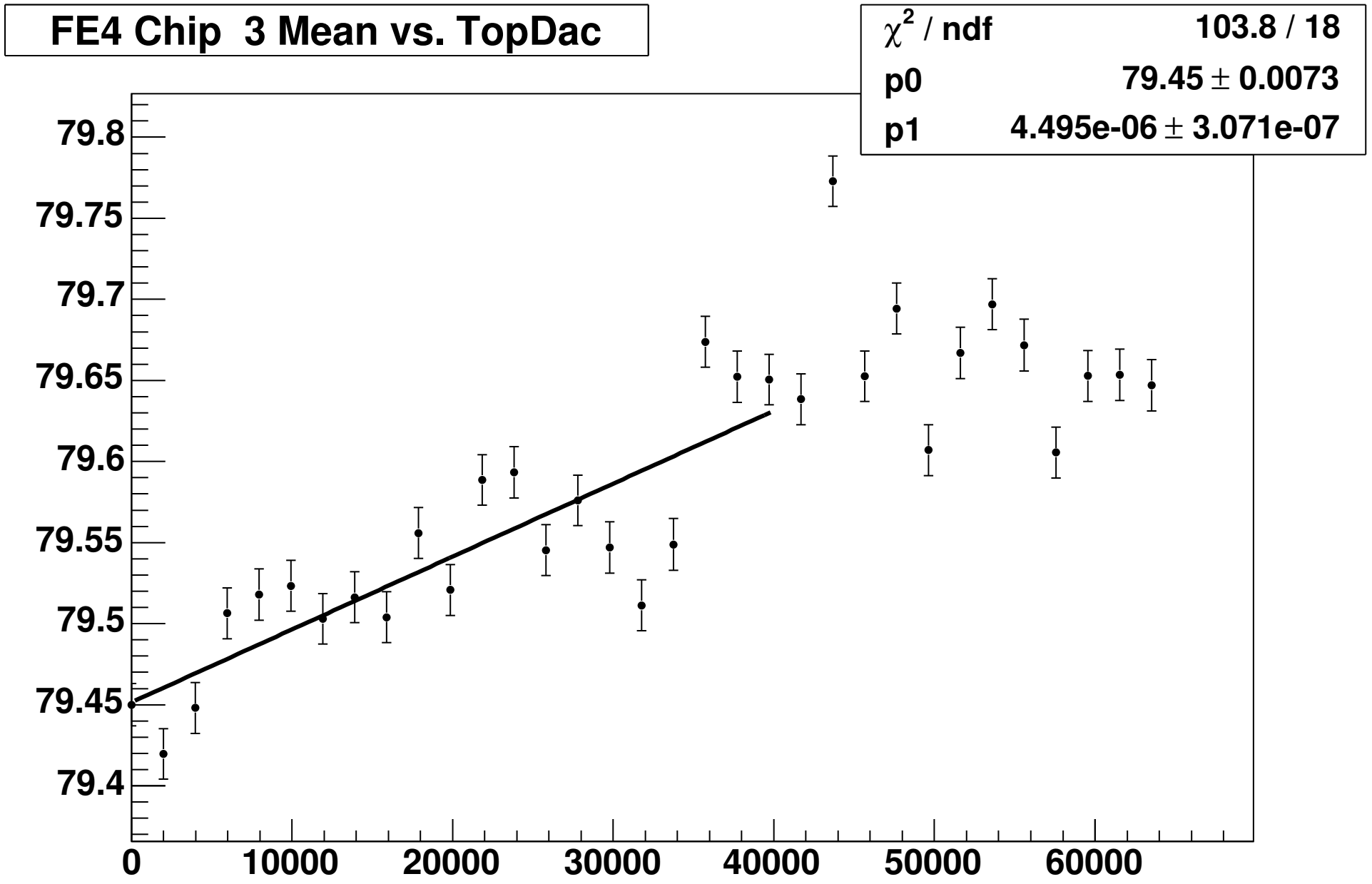

FE4 Chip 2 Rms vs. BotDac
χ² / ndf 315 / 18
p0 1.353 ± 0.003966
p1 3.569e-05 ± 2.754e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

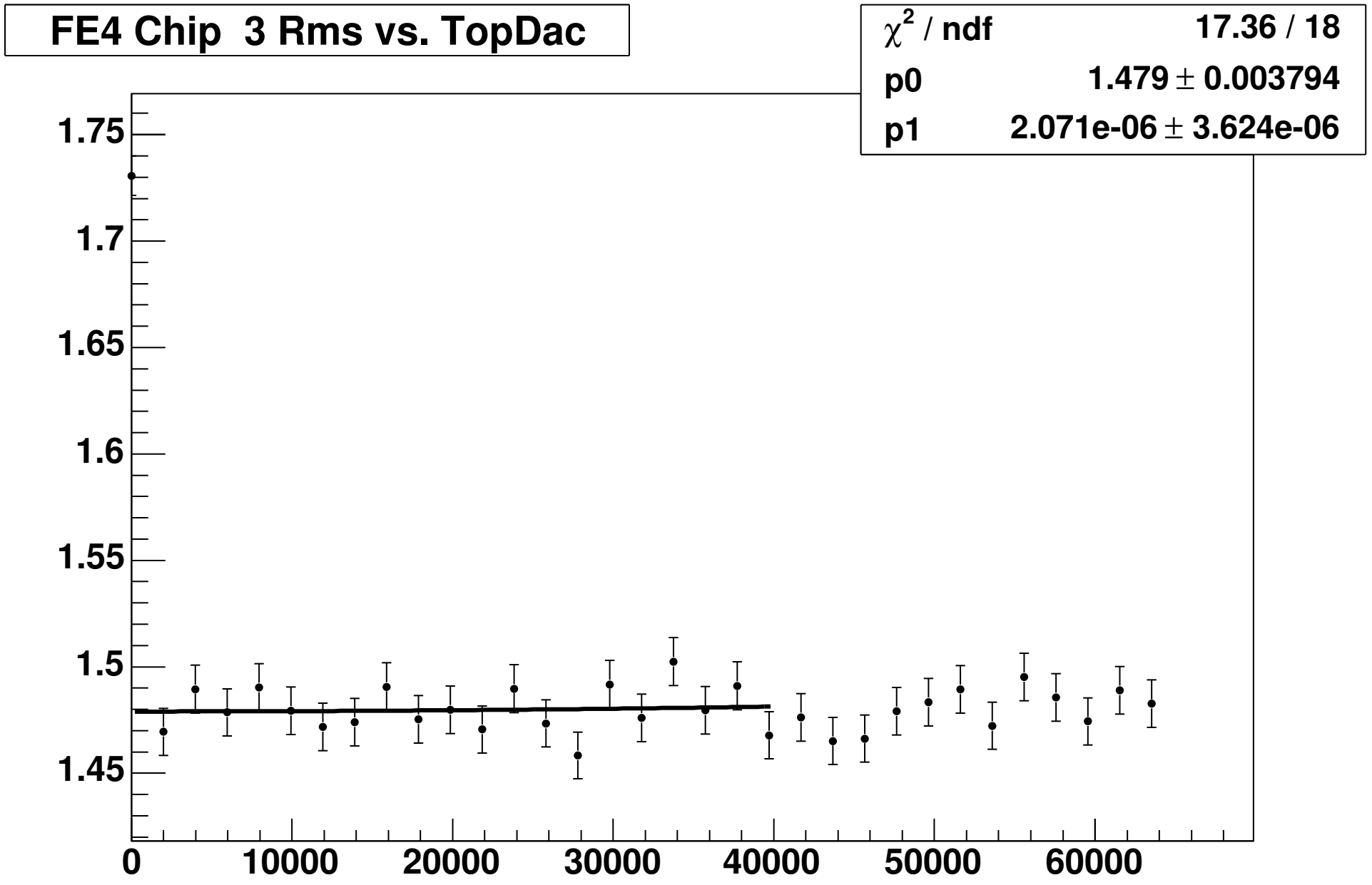

FE4 Chip 2 Mean vs. TopDac
χ² / ndf 90.1 / 18
p0 83.18 ± 0.007248
p1 3.911e-06 ± 3.05e-07
83.5
83.45
83.4
83.35
83.3
83.25
83.2
83.15
83.1
0
10000
20000
30000
40000
50000
60000

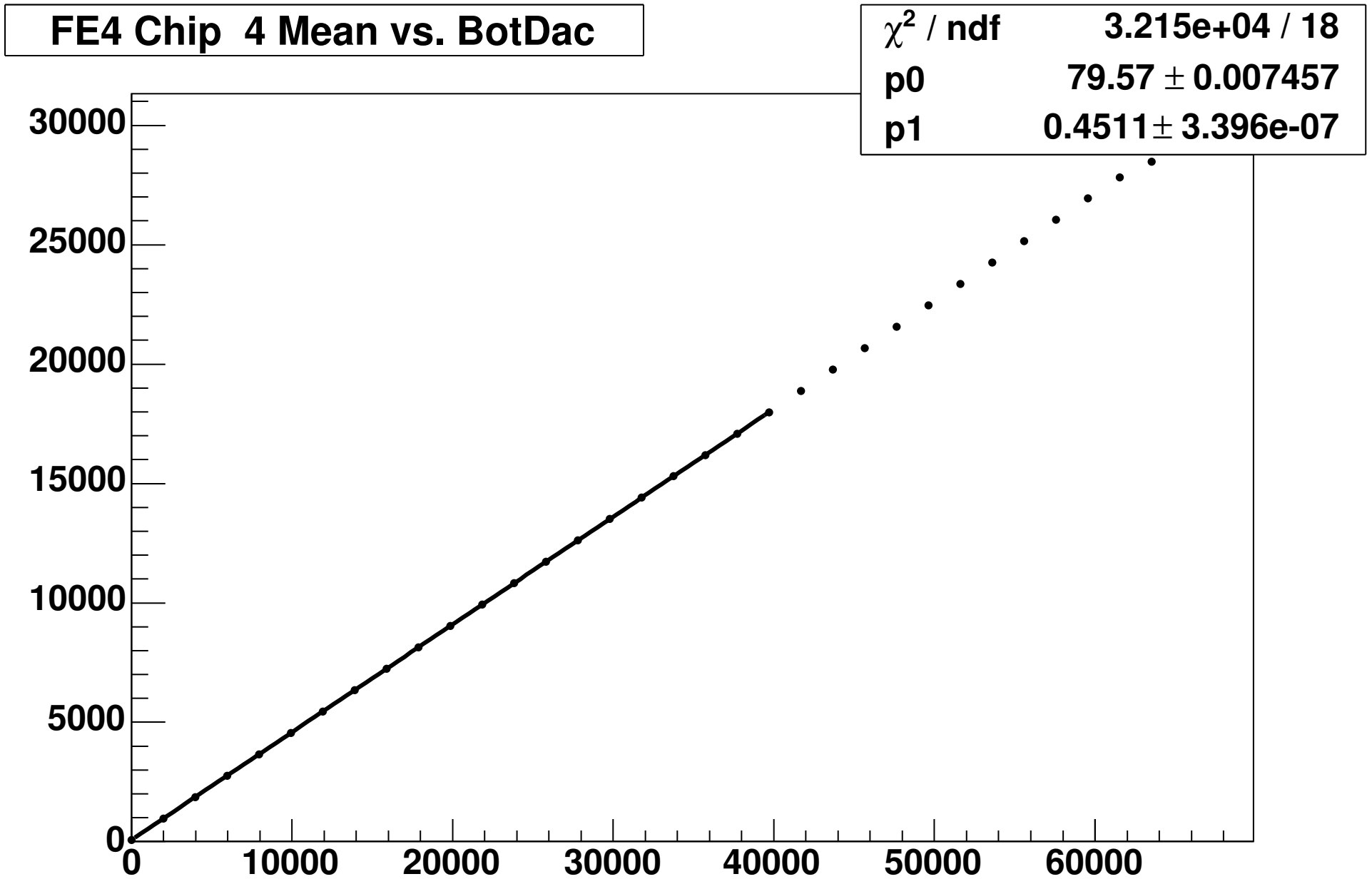

FE4 Chip 2 Rms vs. TopDac
χ² / ndf 12.08 / 18
p0 1.469 ± 0.003773
p1 2.651e-06 ± 2.796e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

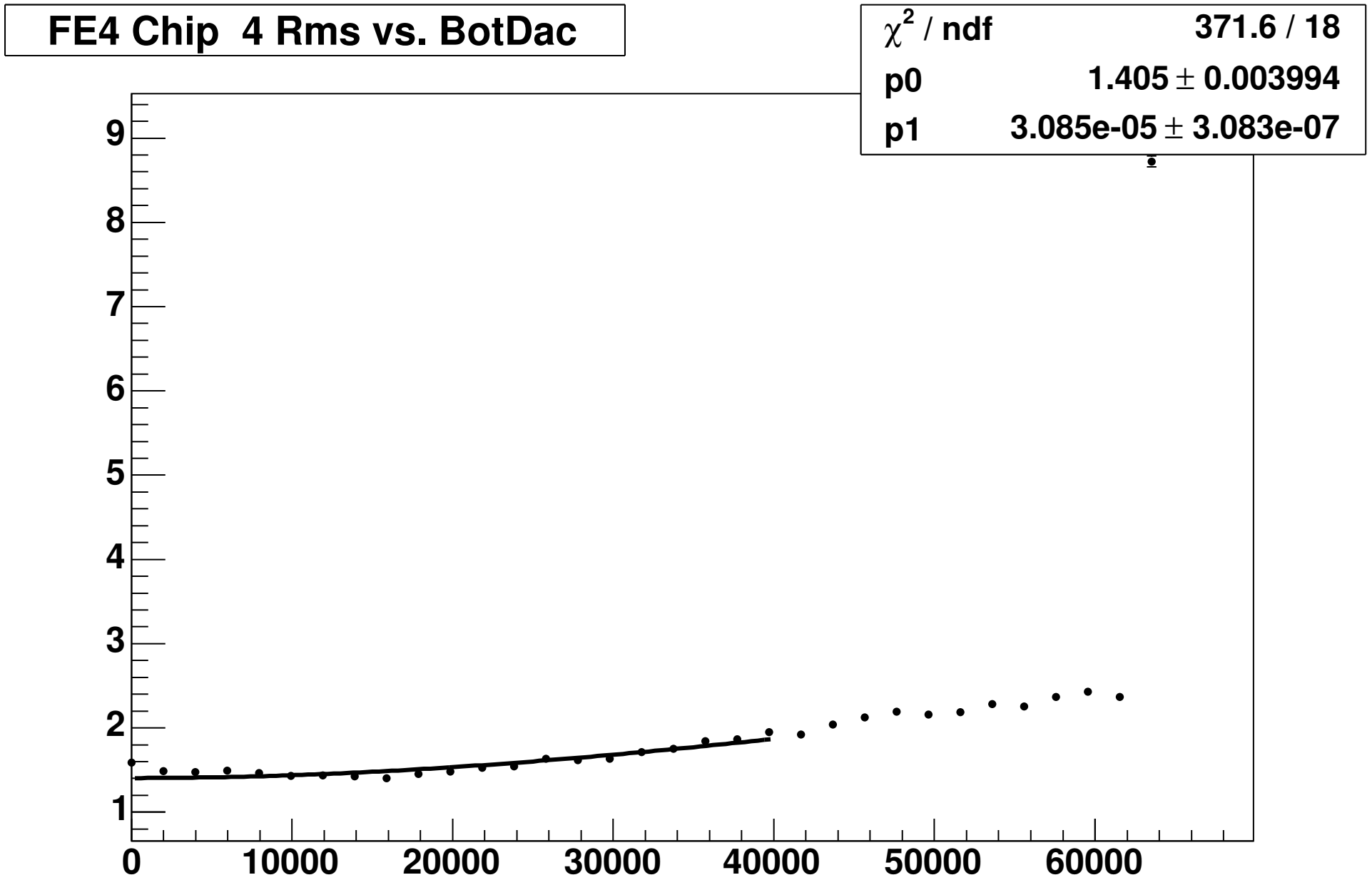

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 5.037e+04 / 18
p0 80.98 ± 0.007234
p1 0.4511 ± 3.354e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

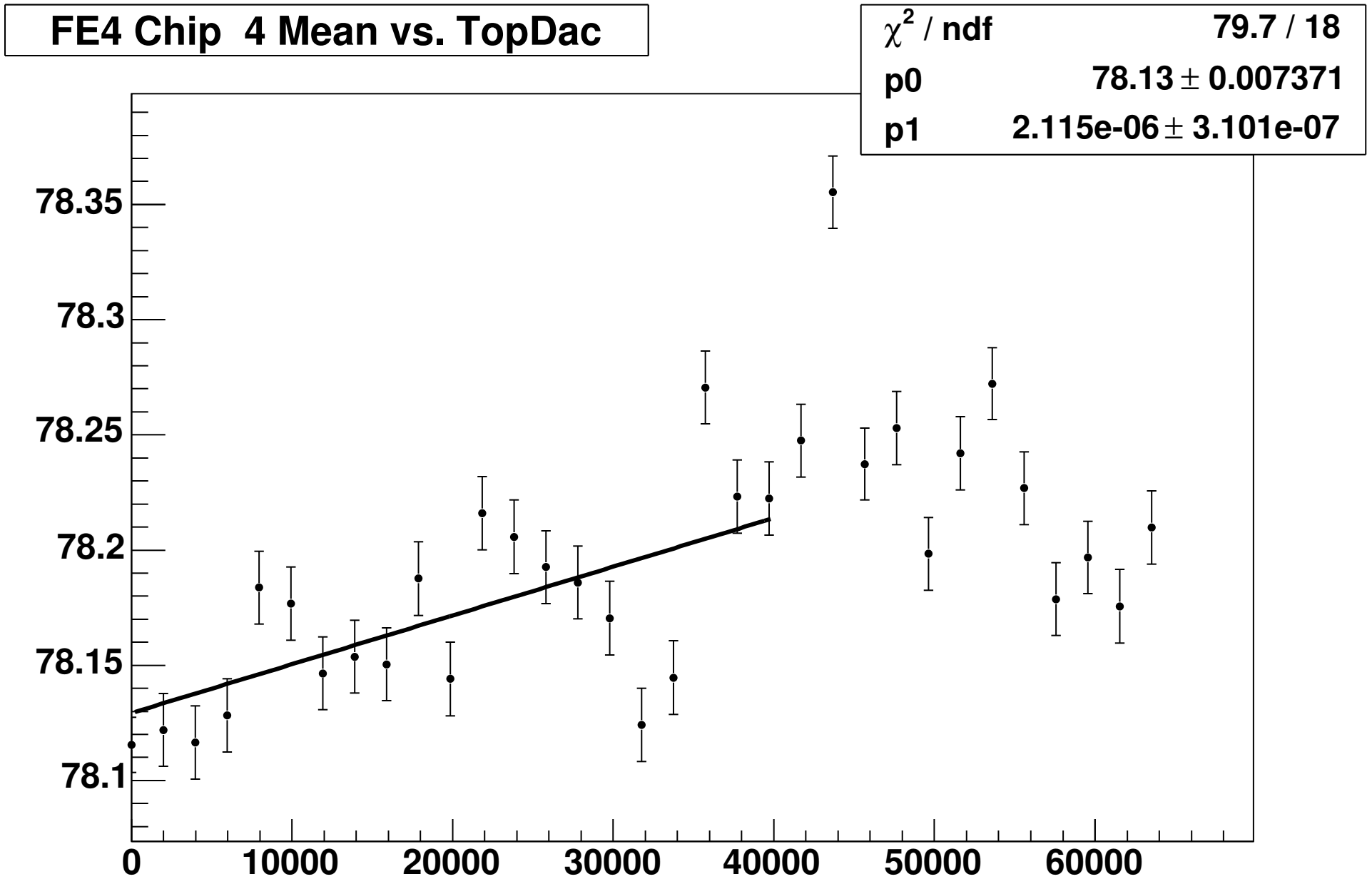

FE4 Chip 3 Rms vs. BotDac
χ² / ndf 383.5 / 18
p0 1.349 ± 0.003915
p1 3.377e-05 ± 2.795e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

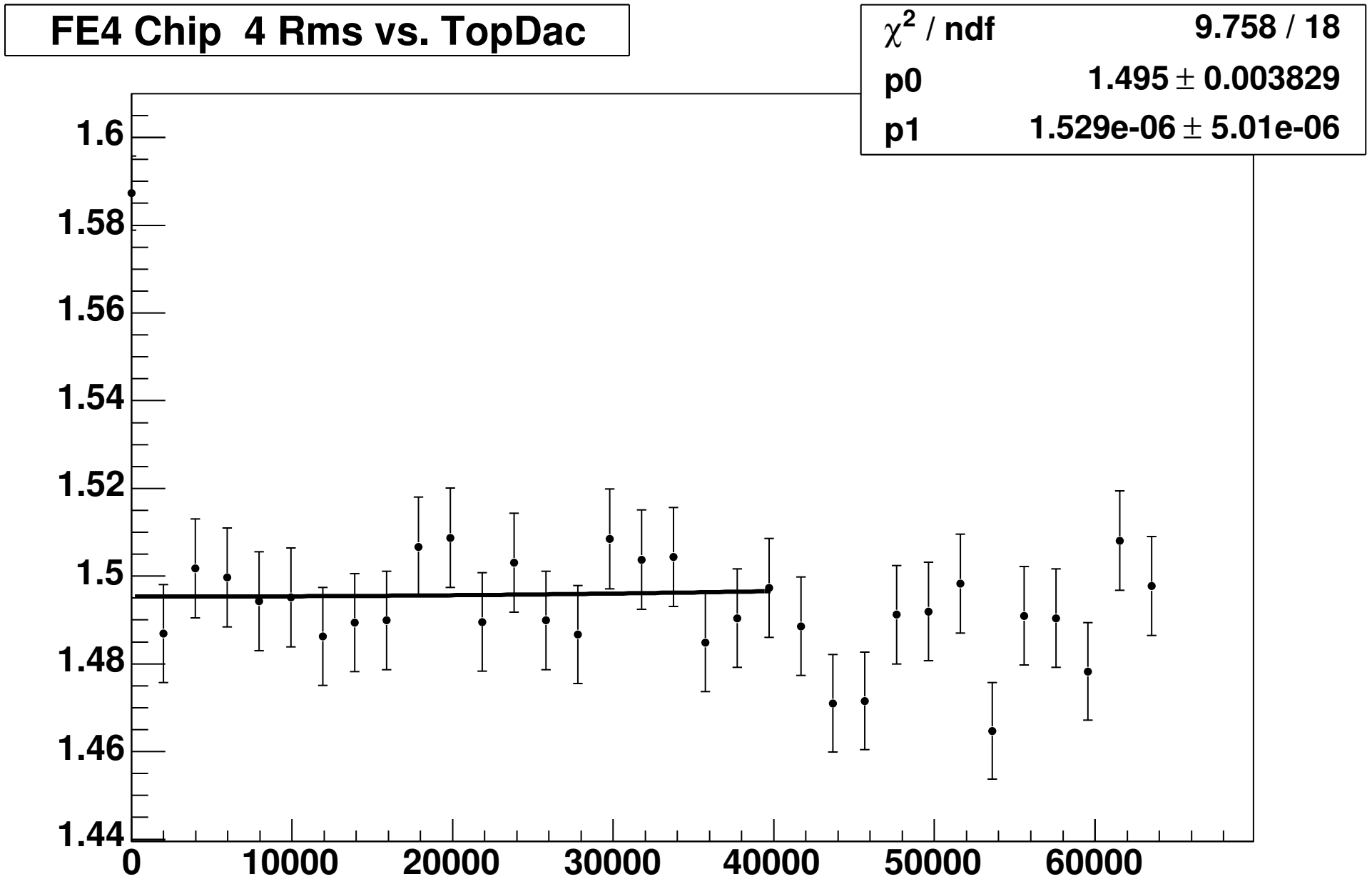

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 103.8 / 18
p0 79.45 ± 0.0073
p1 4.495e-06 ± 3.071e-07
79.8
79.75
79.7
79.65
79.6
79.55
79.5
79.45
79.4
0
10000
20000
30000
40000
50000
60000

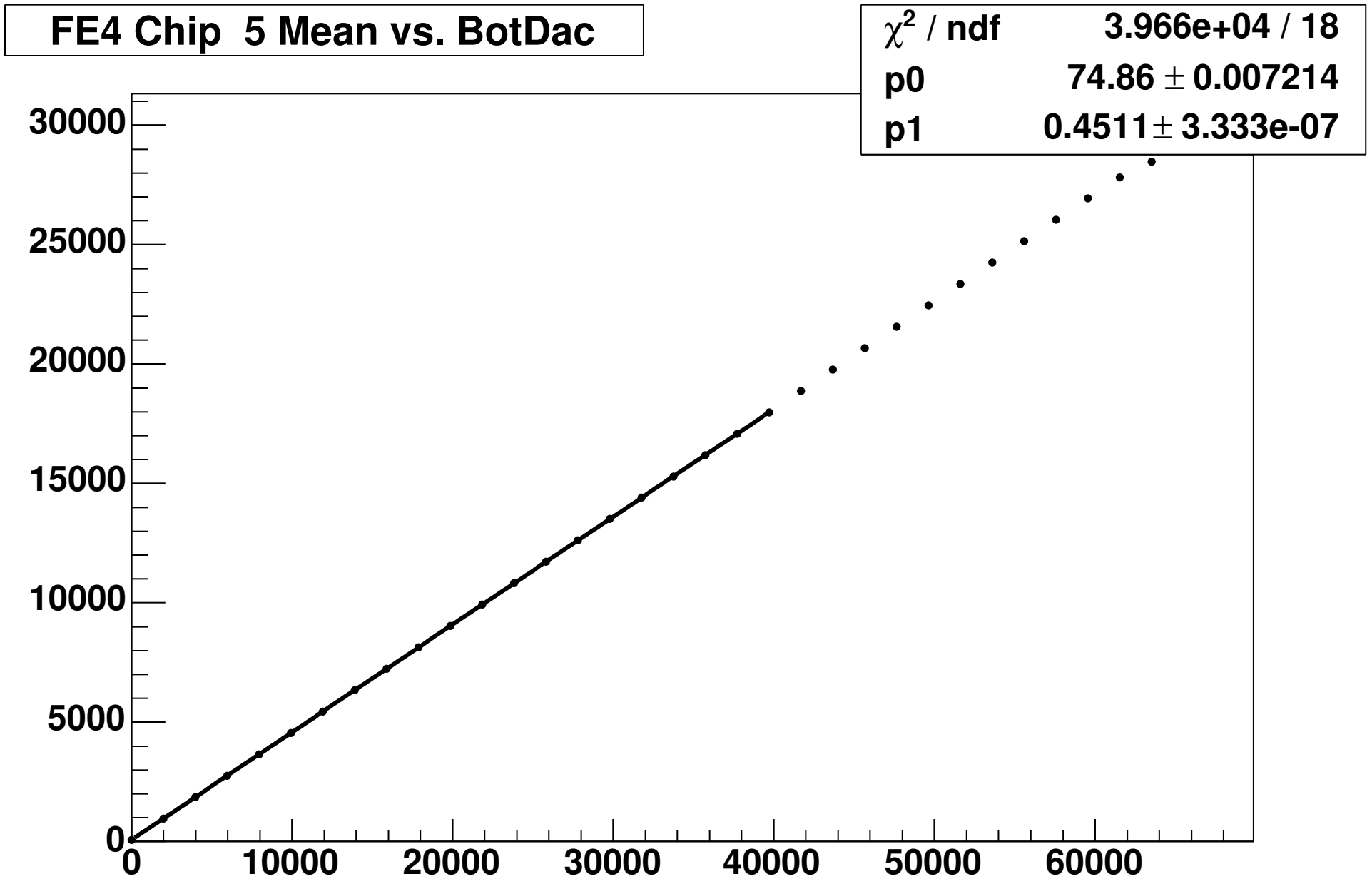

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 17.36 / 18
p0 1.479 ± 0.003794
p1 2.071e-06 ± 3.624e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

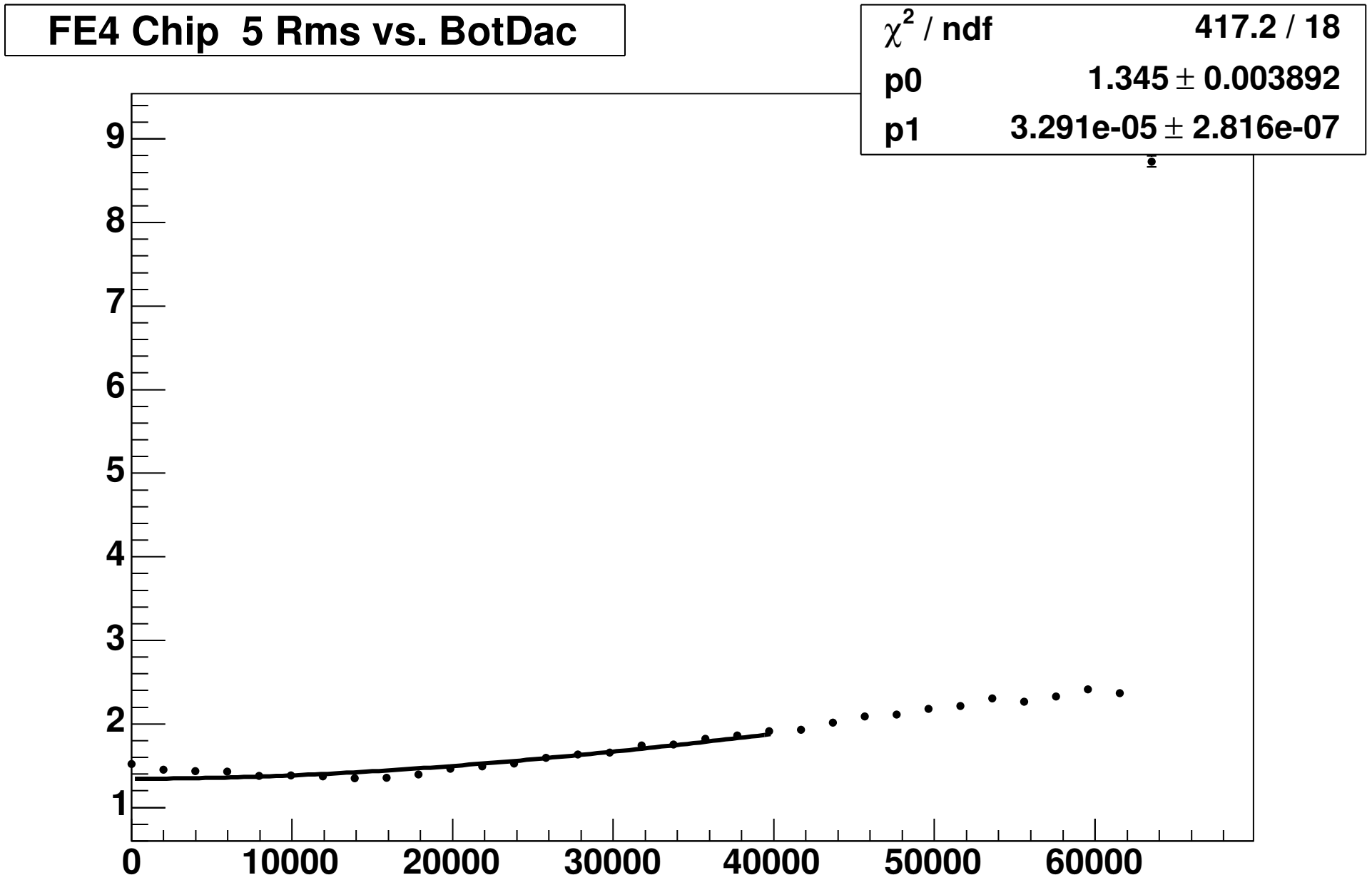

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 3.215e+04 / 18
p0 79.57 ± 0.007457
p1 0.4511 ± 3.396e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

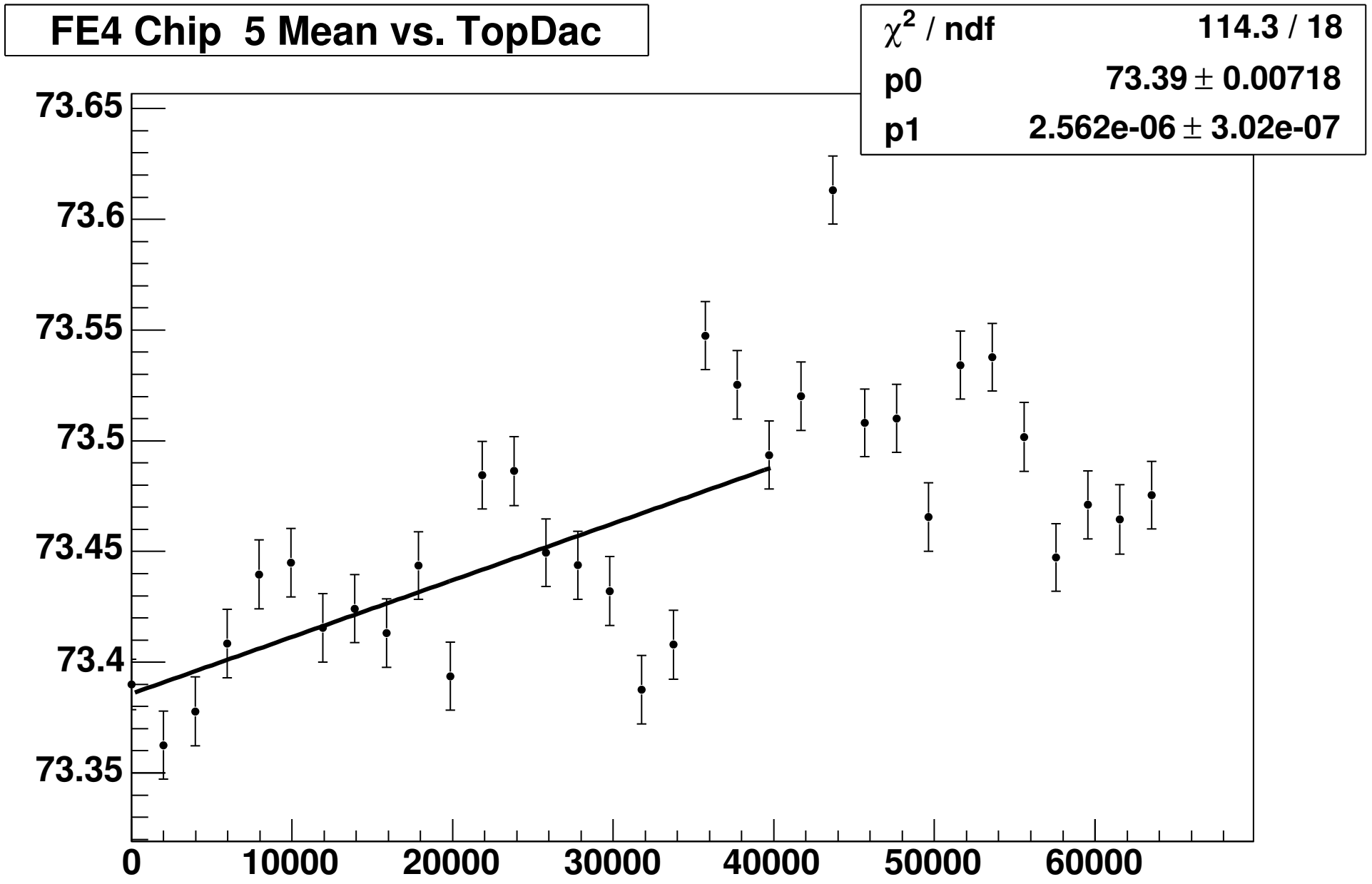

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 371.6 / 18
p0 1.405 ± 0.003994
p1 3.085e-05 ± 3.083e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

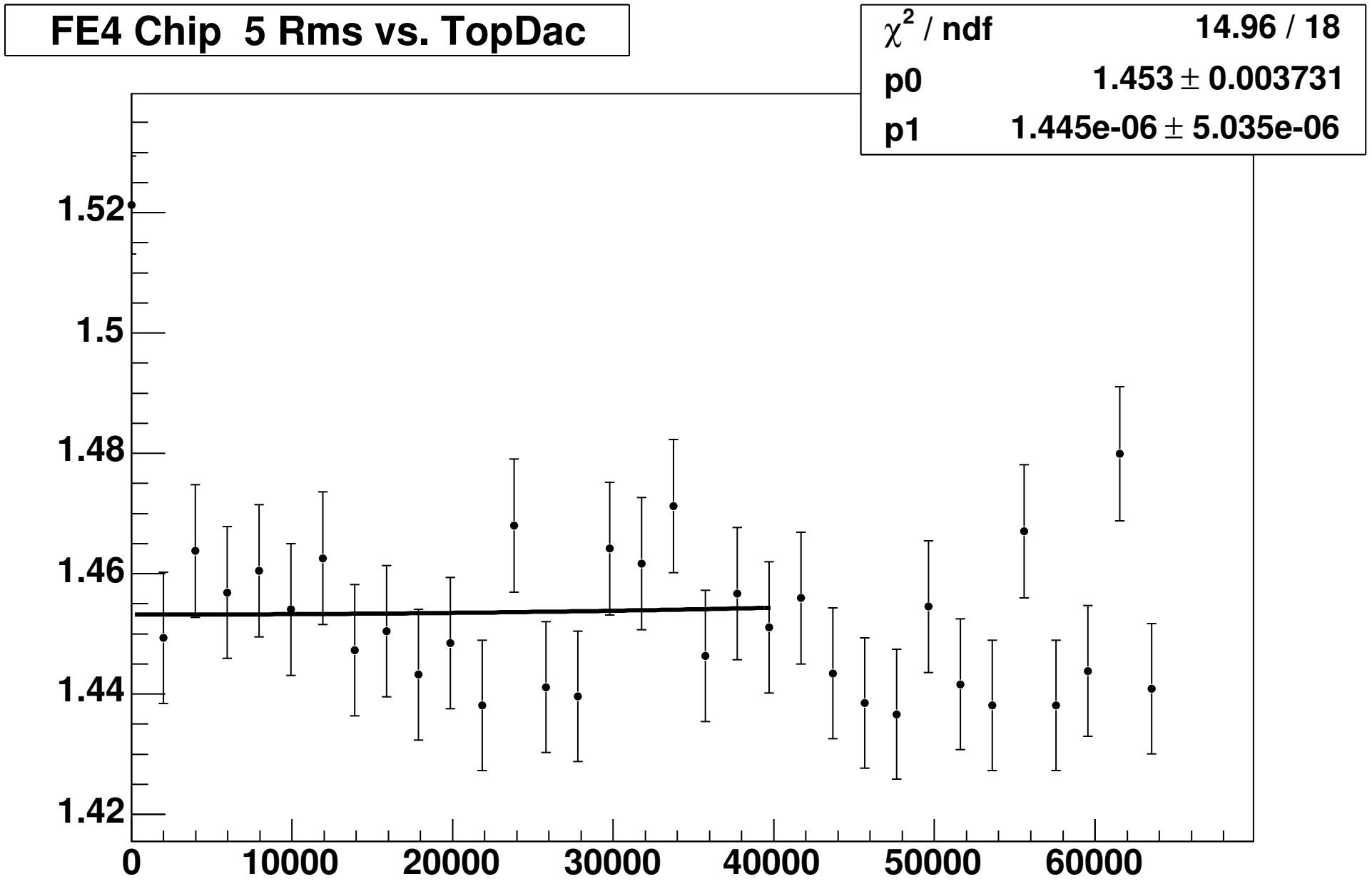

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 79.7 / 18
p0 78.13 ± 0.007371
p1 2.115e-06 ± 3.101e-07
78.35
78.3
78.25
78.2
78.15
78.1
0
10000
20000
30000
40000
50000
60000

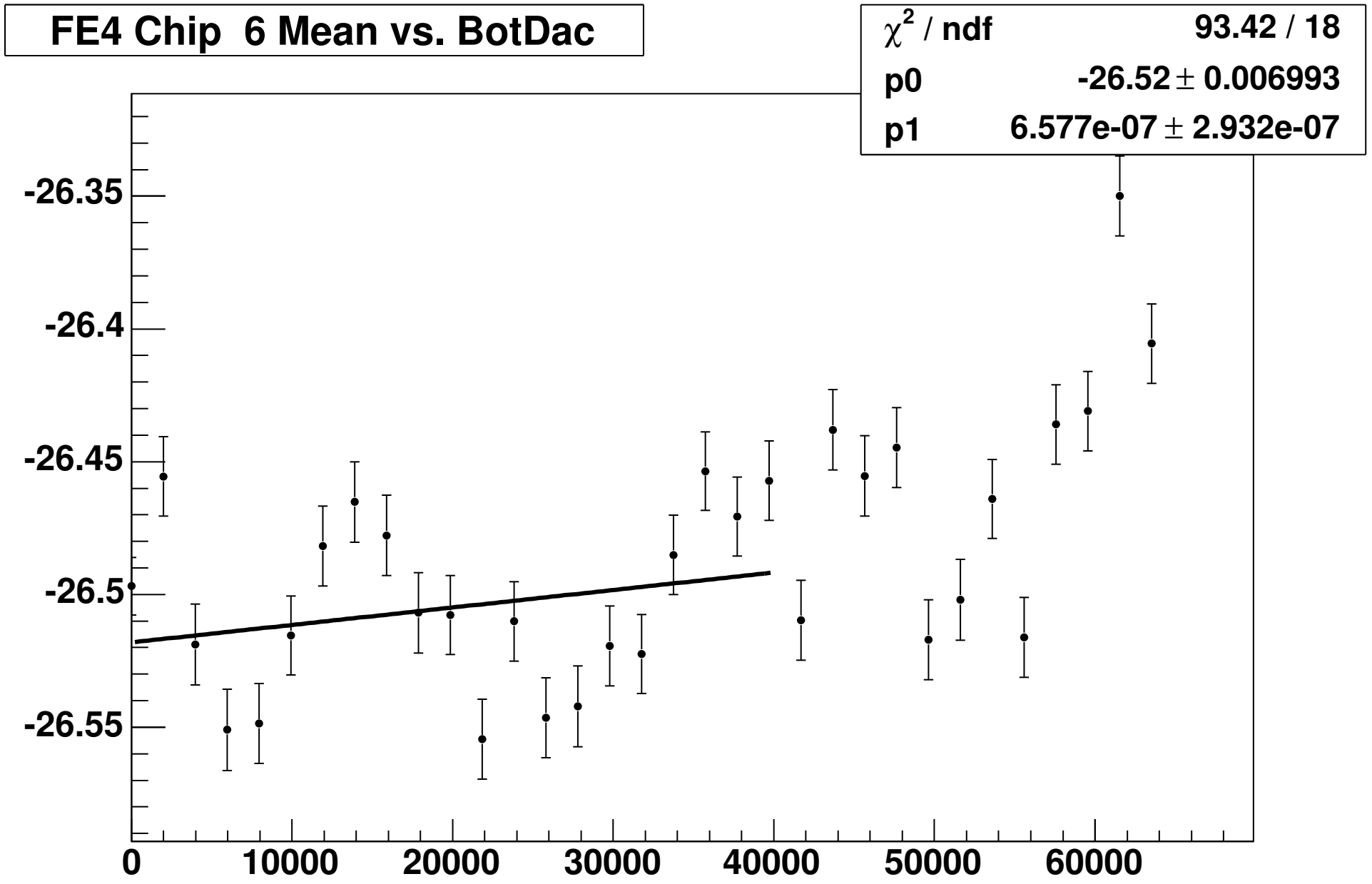

FE4 Chip 4 Rms vs. TopDac
χ^2 / ndf 9.758 / 18
p0 1.495 ± 0.003829
p1 1.529e-06 ± 5.01e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

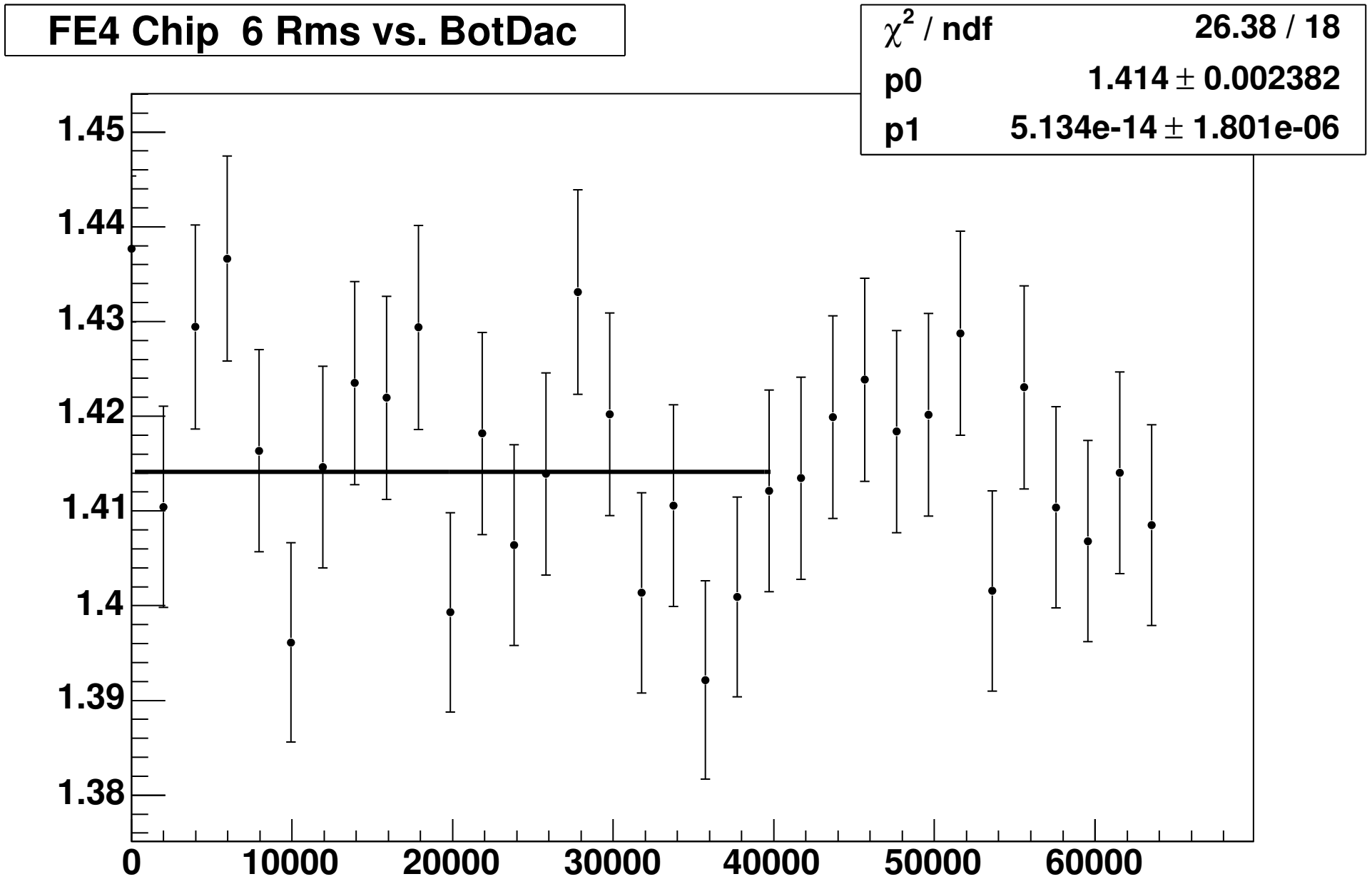

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 3.966e+04 / 18
p0 74.86 ± 0.007214
p1 0.4511 ± 3.333e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

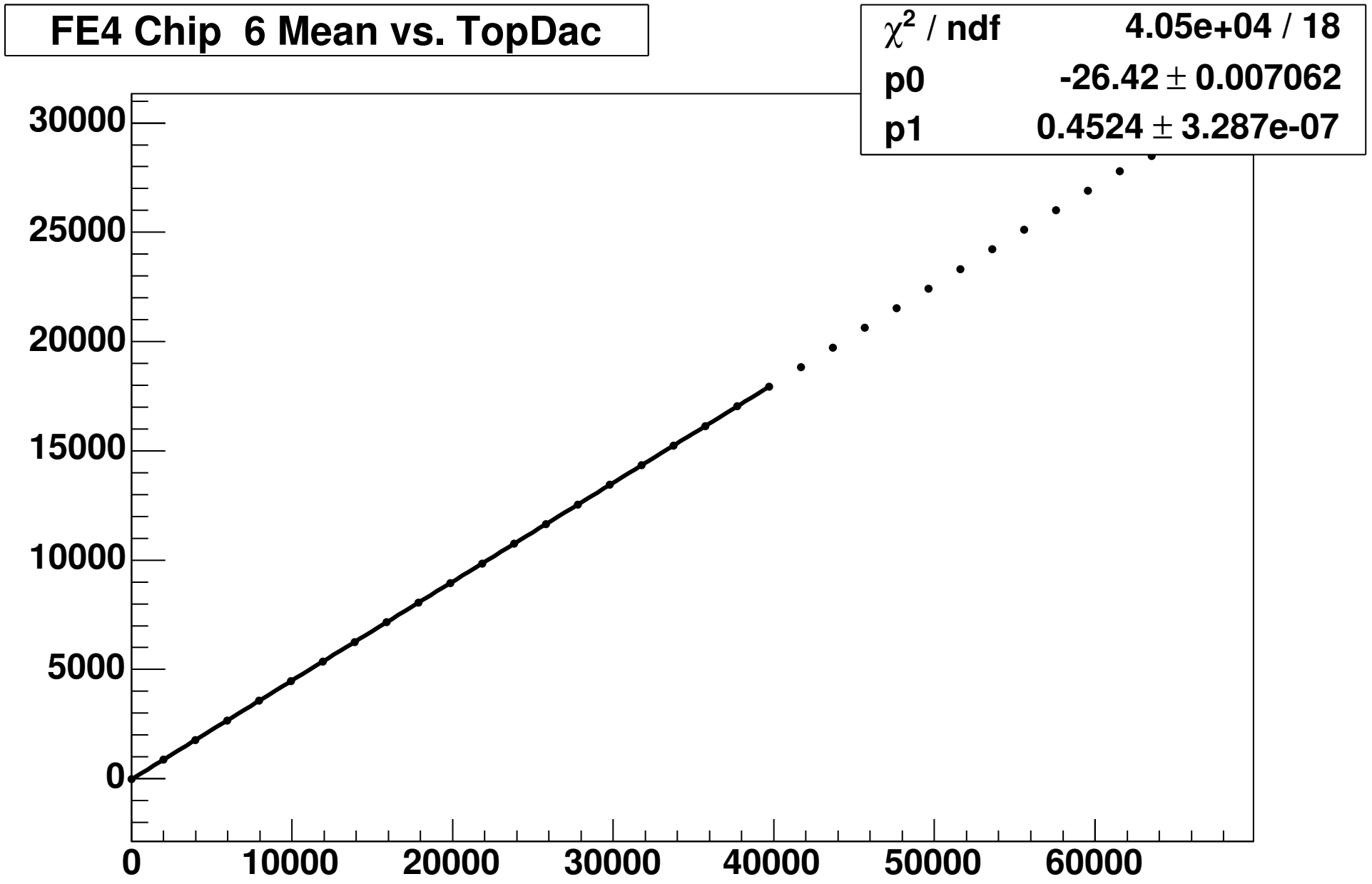

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 417.2 / 18
p0 1.345 ± 0.003892
p1 3.291e-05 ± 2.816e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

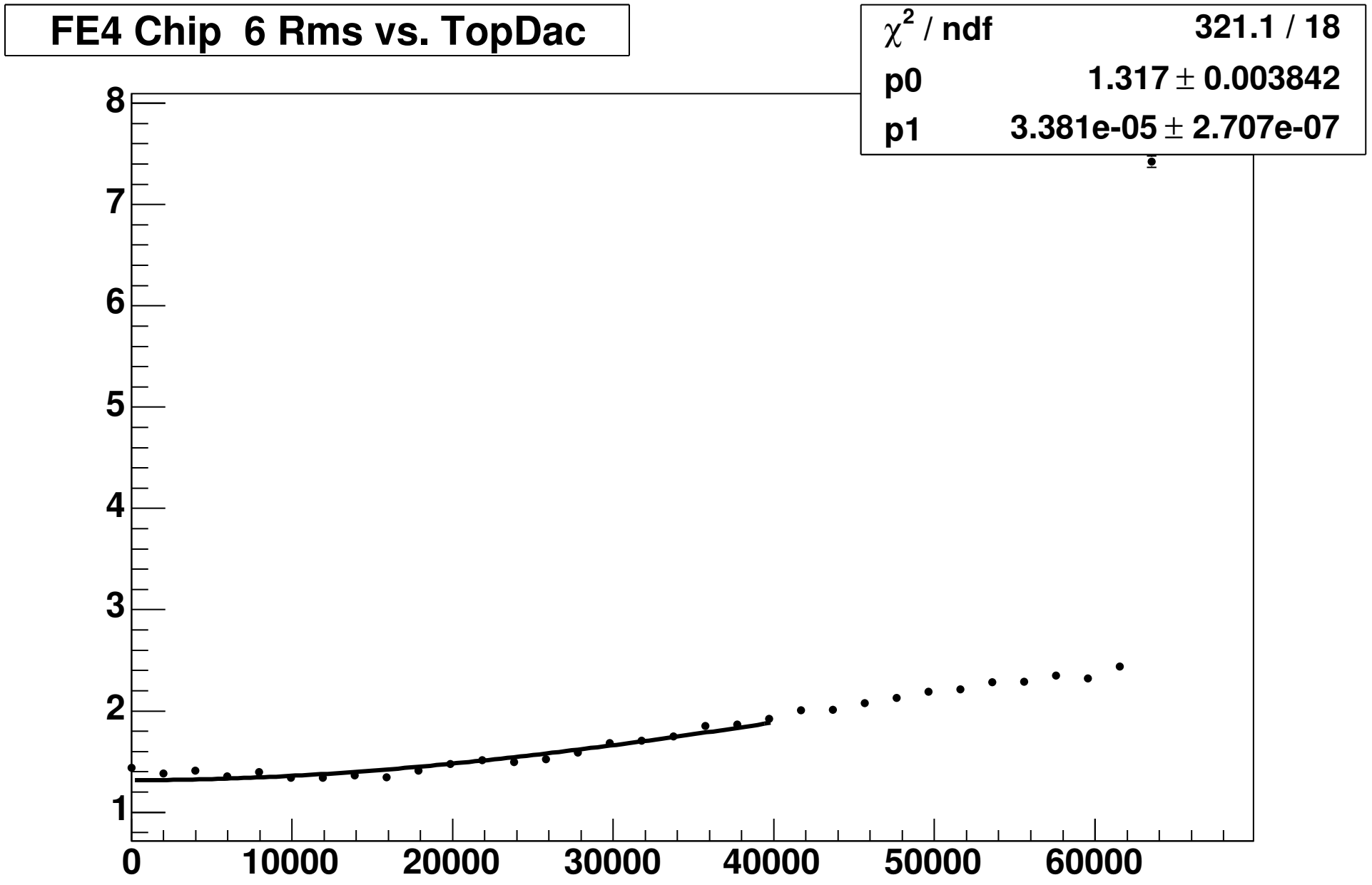

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 114.3 / 18
p0 73.39 ± 0.00718
p1 2.562e-06 ± 3.02e-07
73.65
73.6
73.55
73.5
73.45
73.4
73.35
0
10000
20000
30000
40000
50000
60000

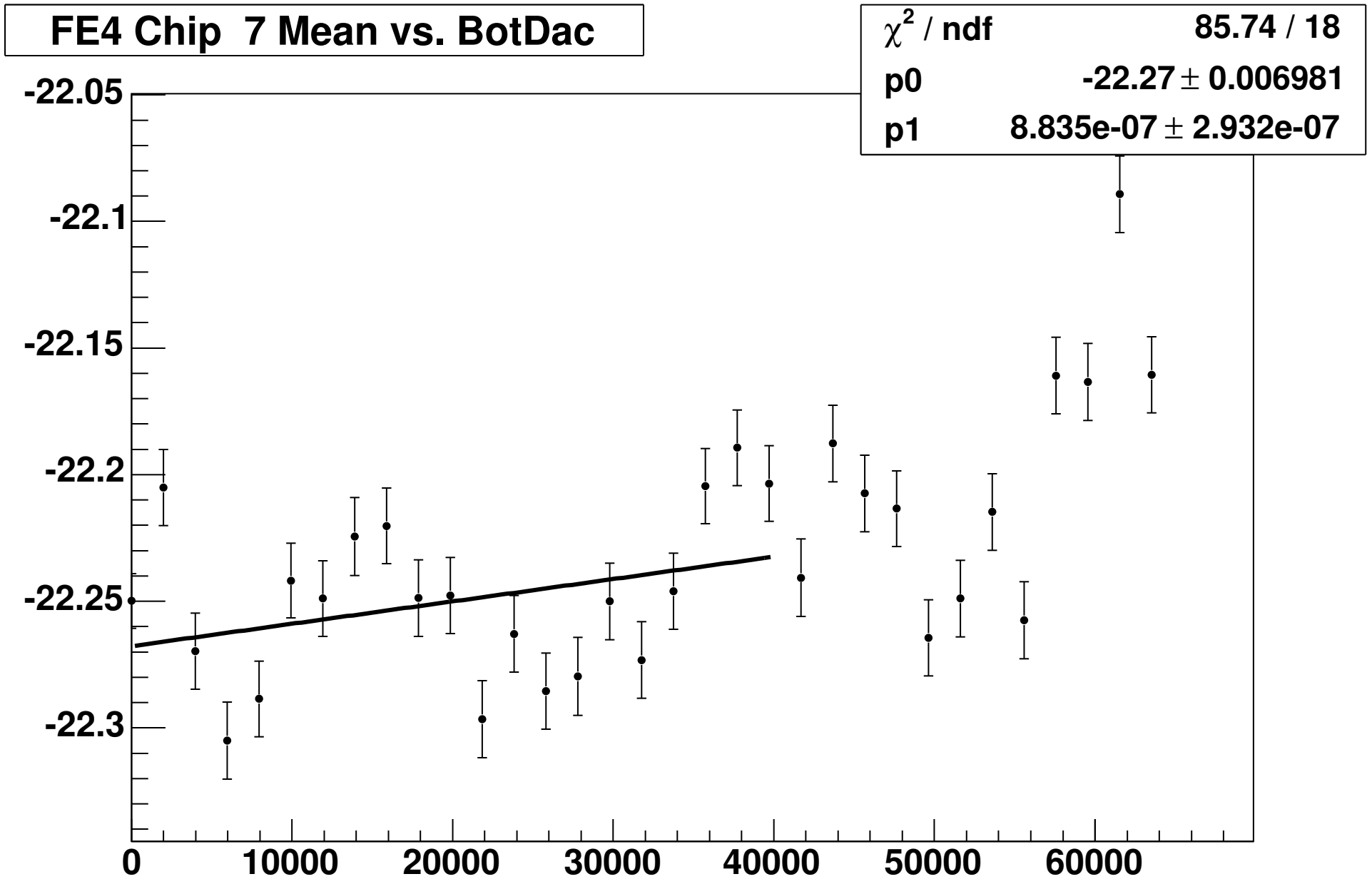

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 14.96 / 18
p0 1.453 ± 0.003731
p1 1.445e-06 ± 5.035e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

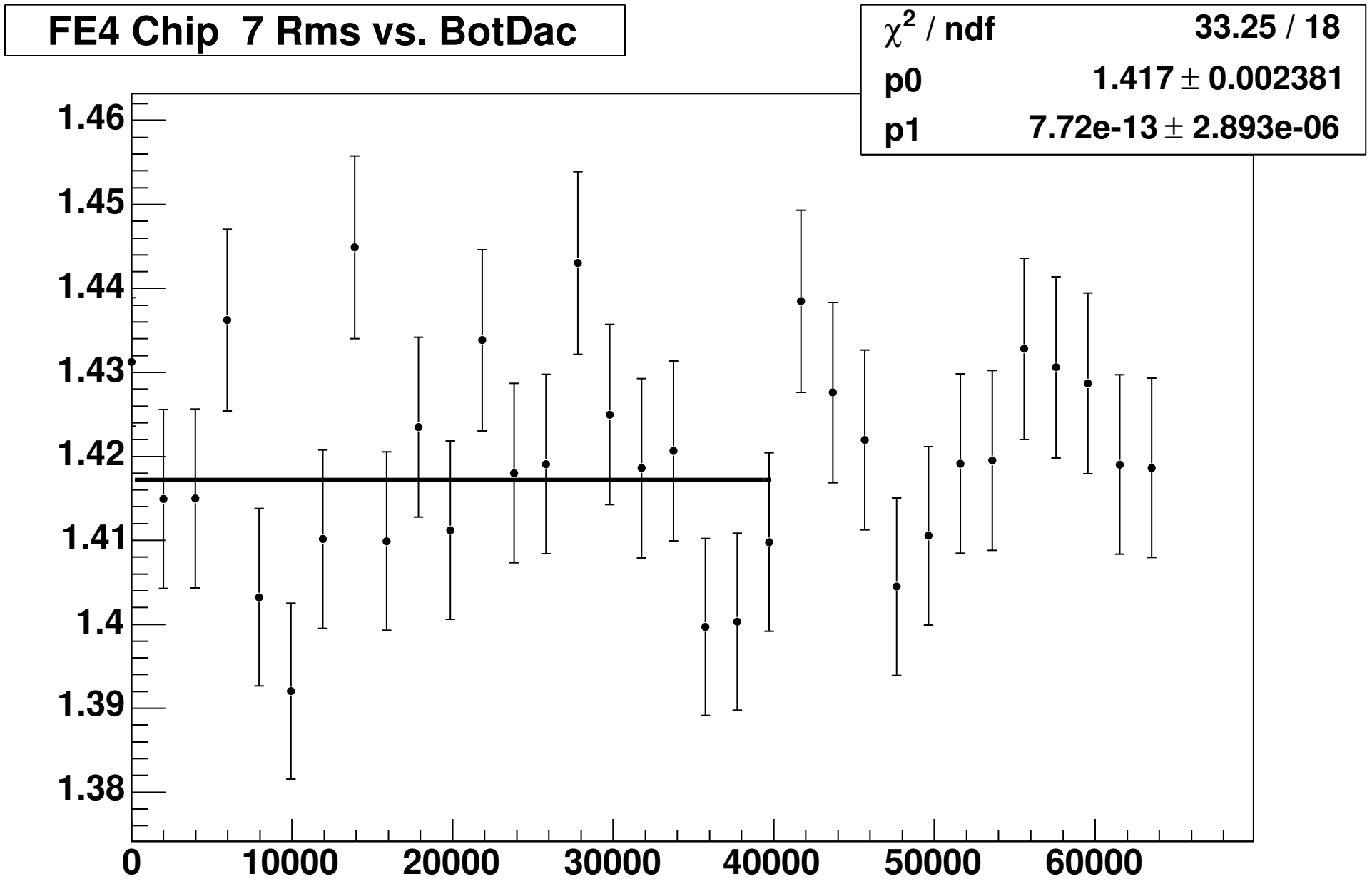

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 93.42 / 18
p0 -26.52 ± 0.006993
p1 6.577e-07 ± 2.932e-07
-26.35
-26.4
-26.45
-26.5
-26.55
0
10000
20000
30000
40000
50000
60000

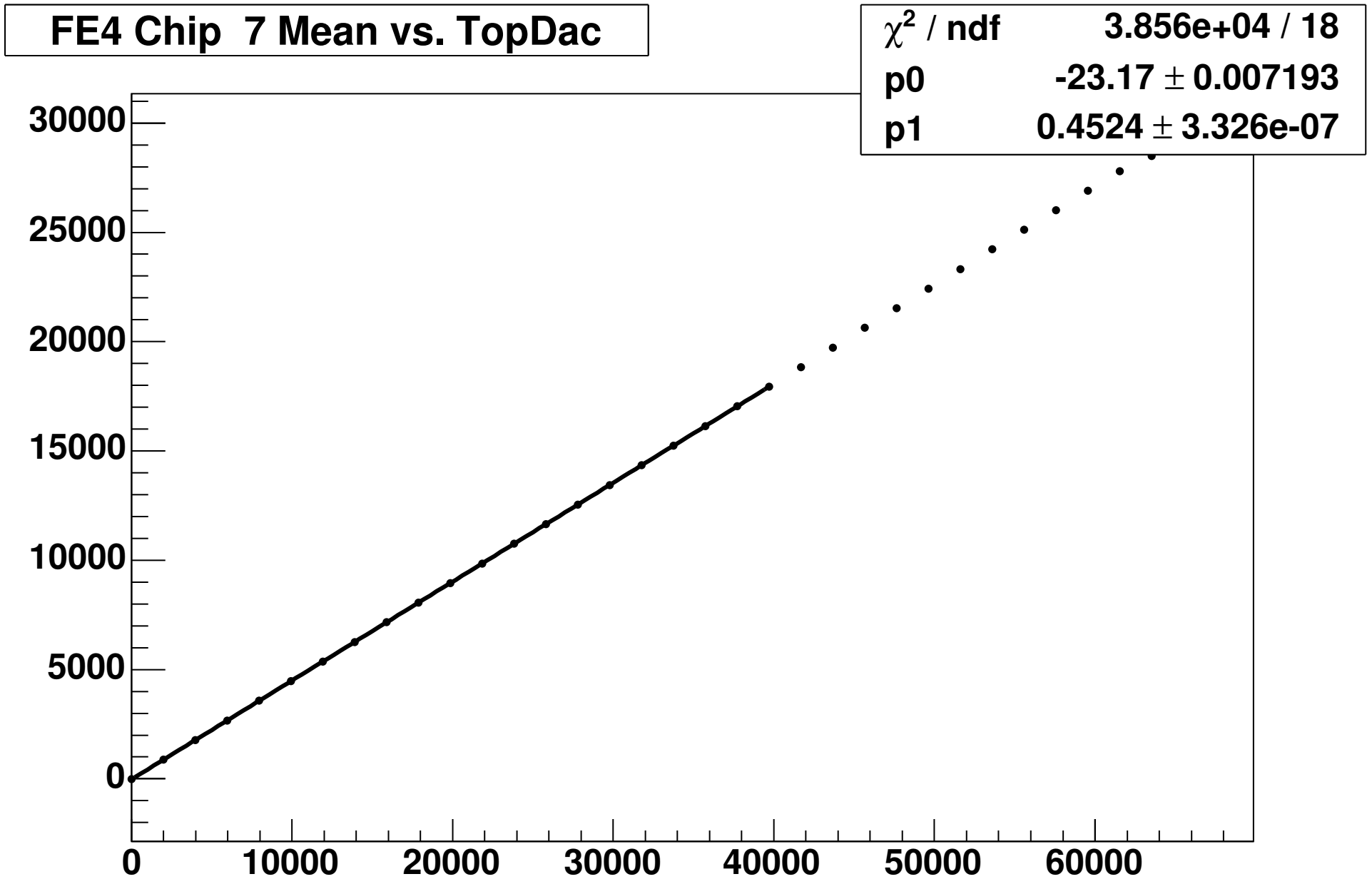

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 26.38 / 18
p0 1.414 ± 0.002382
p1 5.134e-14 ± 1.801e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

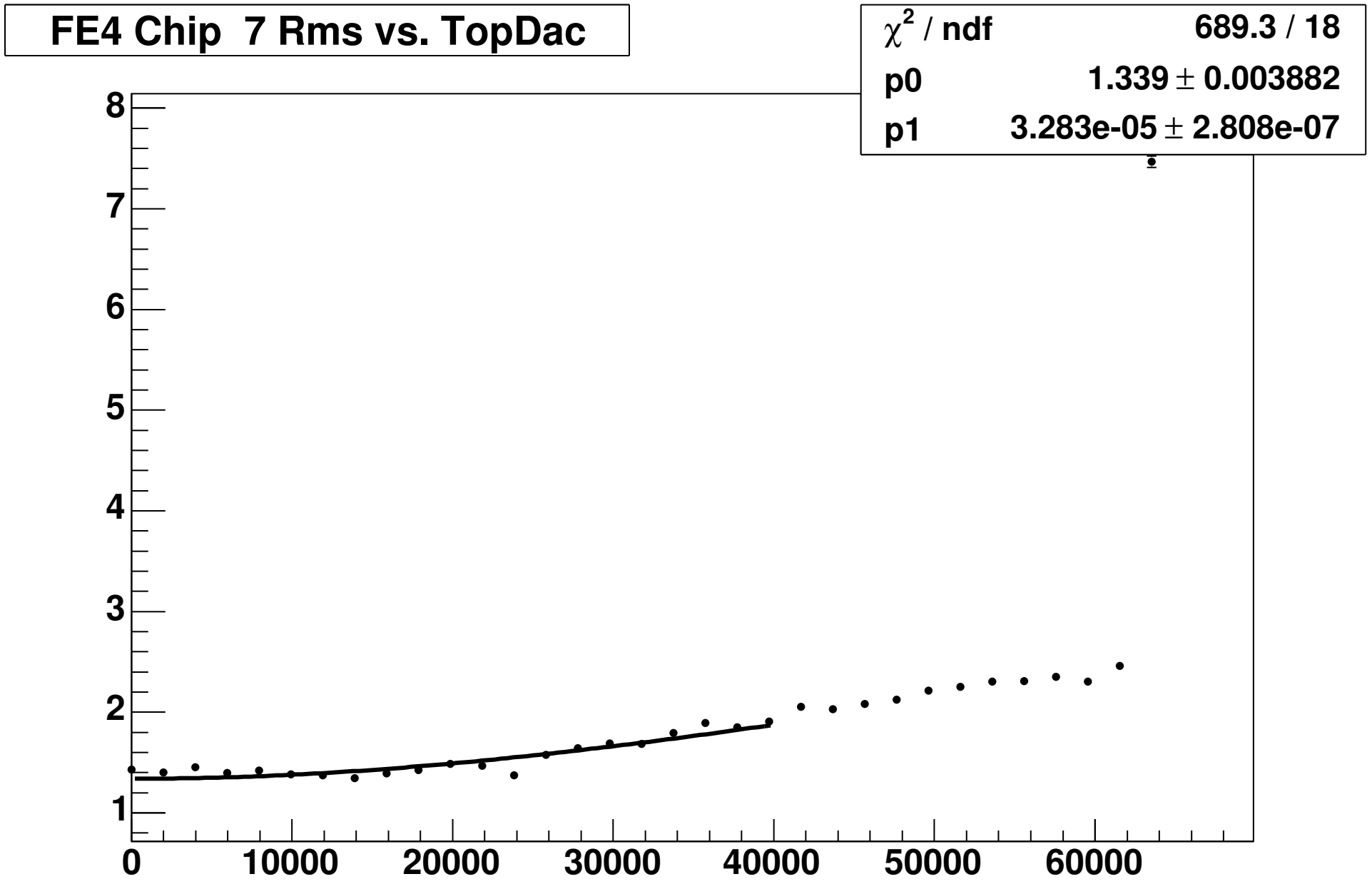

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 4.05e+04 / 18
p0 -26.42 ± 0.007062
p1 0.4524 ± 3.287e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

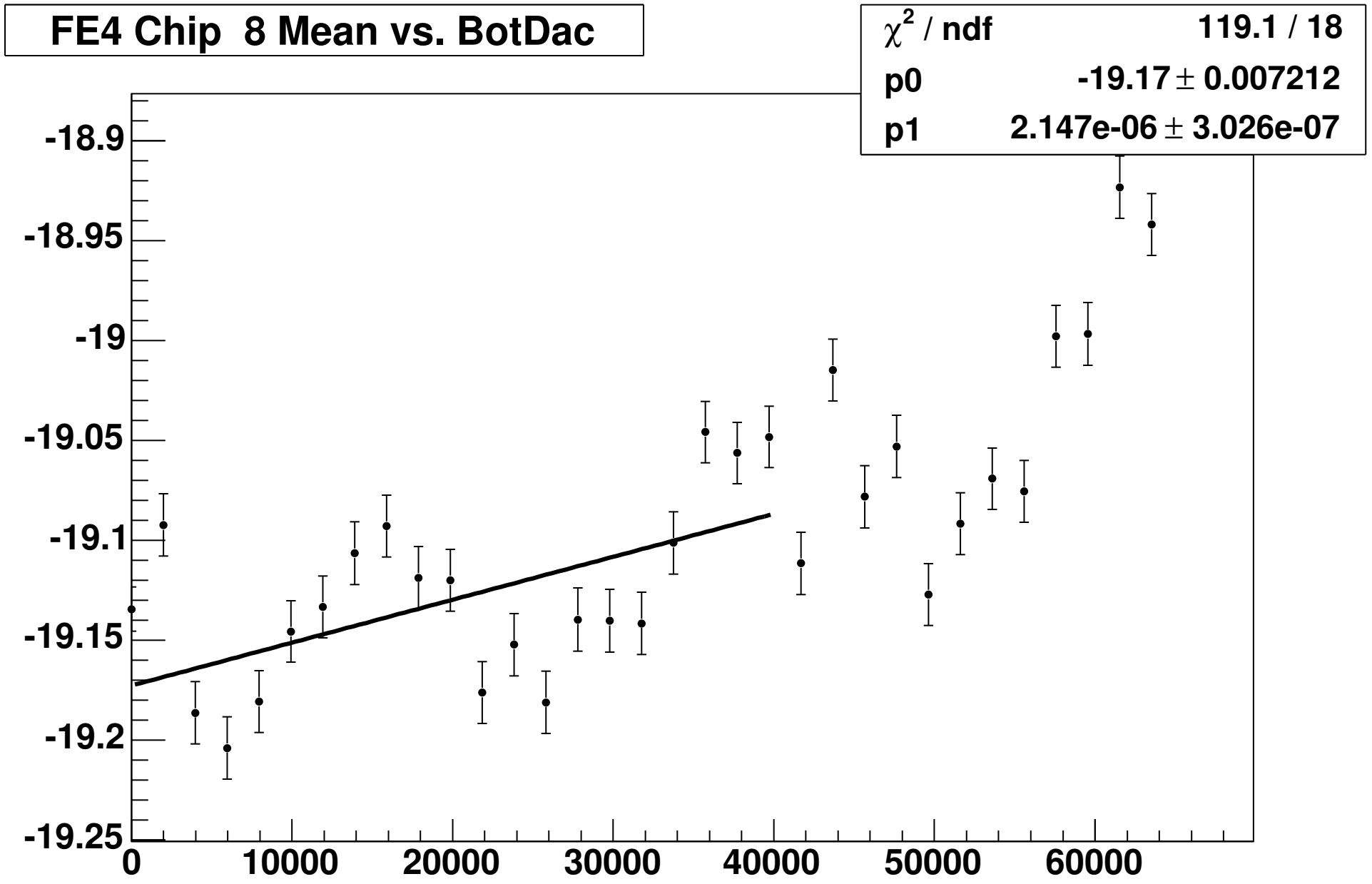

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 321.1 / 18
p0 1.317 ± 0.003842
p1 3.381e-05 ± 2.707e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

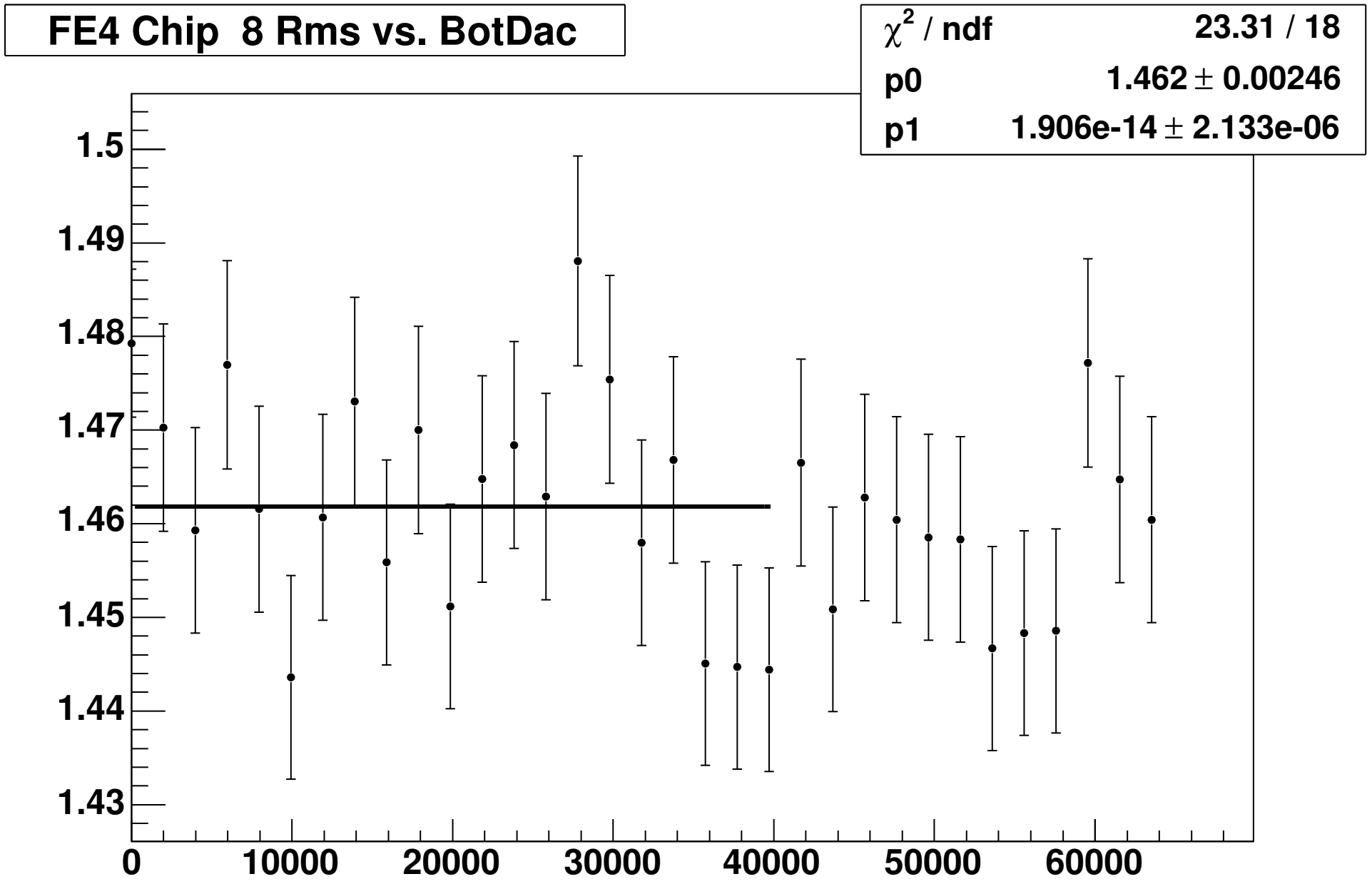

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 85.74 / 18
p0 -22.27 ± 0.006981
p1 8.835e-07 ± 2.932e-07
-22.05
-22.1
-22.15
-22.2
-22.25
-22.3
0
10000
20000
30000
40000
50000
60000

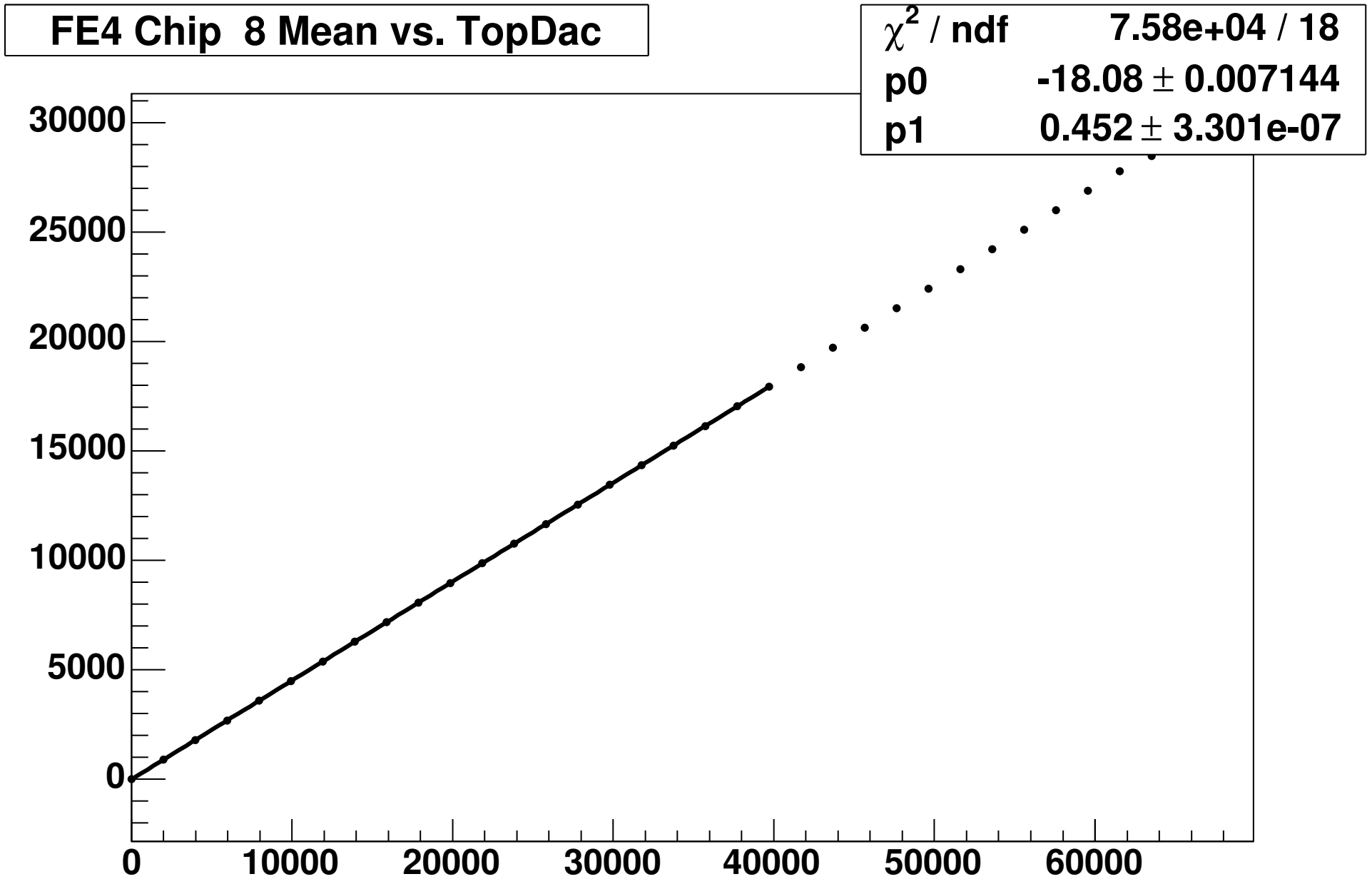

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 33.25 / 18
p0 1.417 ± 0.002381
p1 7.72e-13 ± 2.893e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

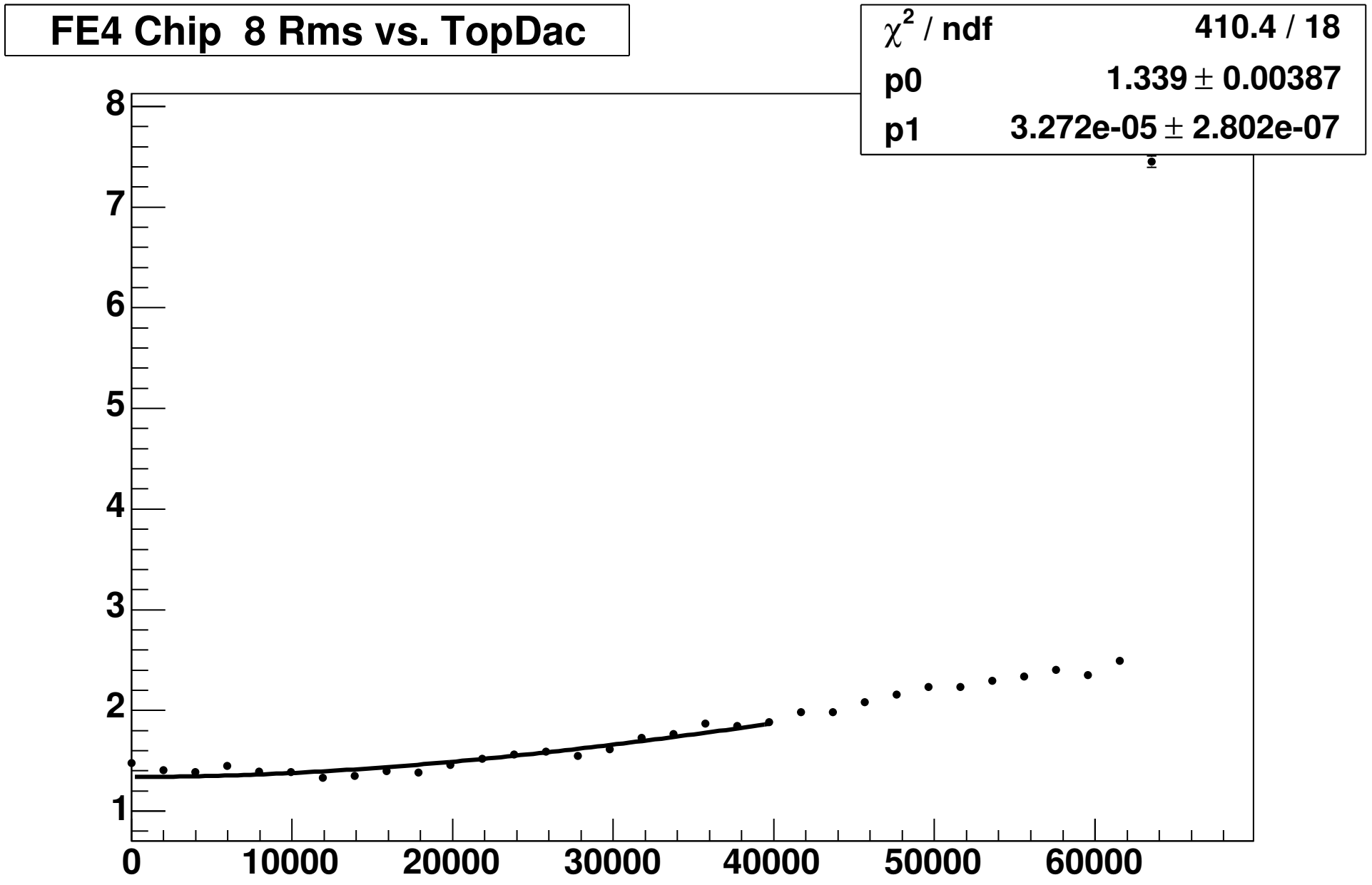

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 3.856e+04 / 18
p0 -23.17 ± 0.007193
p1 0.4524 ± 3.326e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

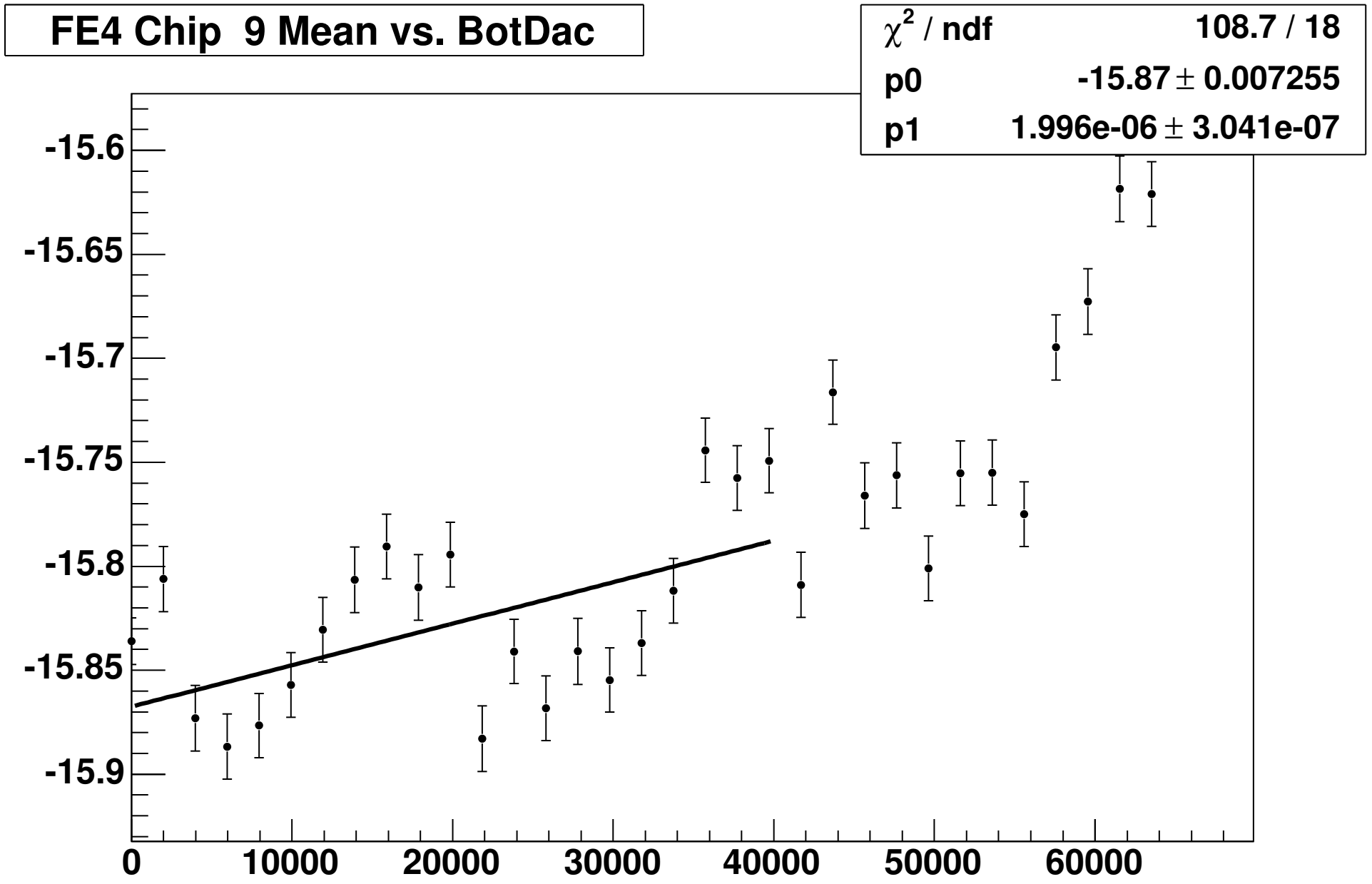

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 689.3 / 18
p0 1.339 ± 0.003882
p1 3.283e-05 ± 2.808e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

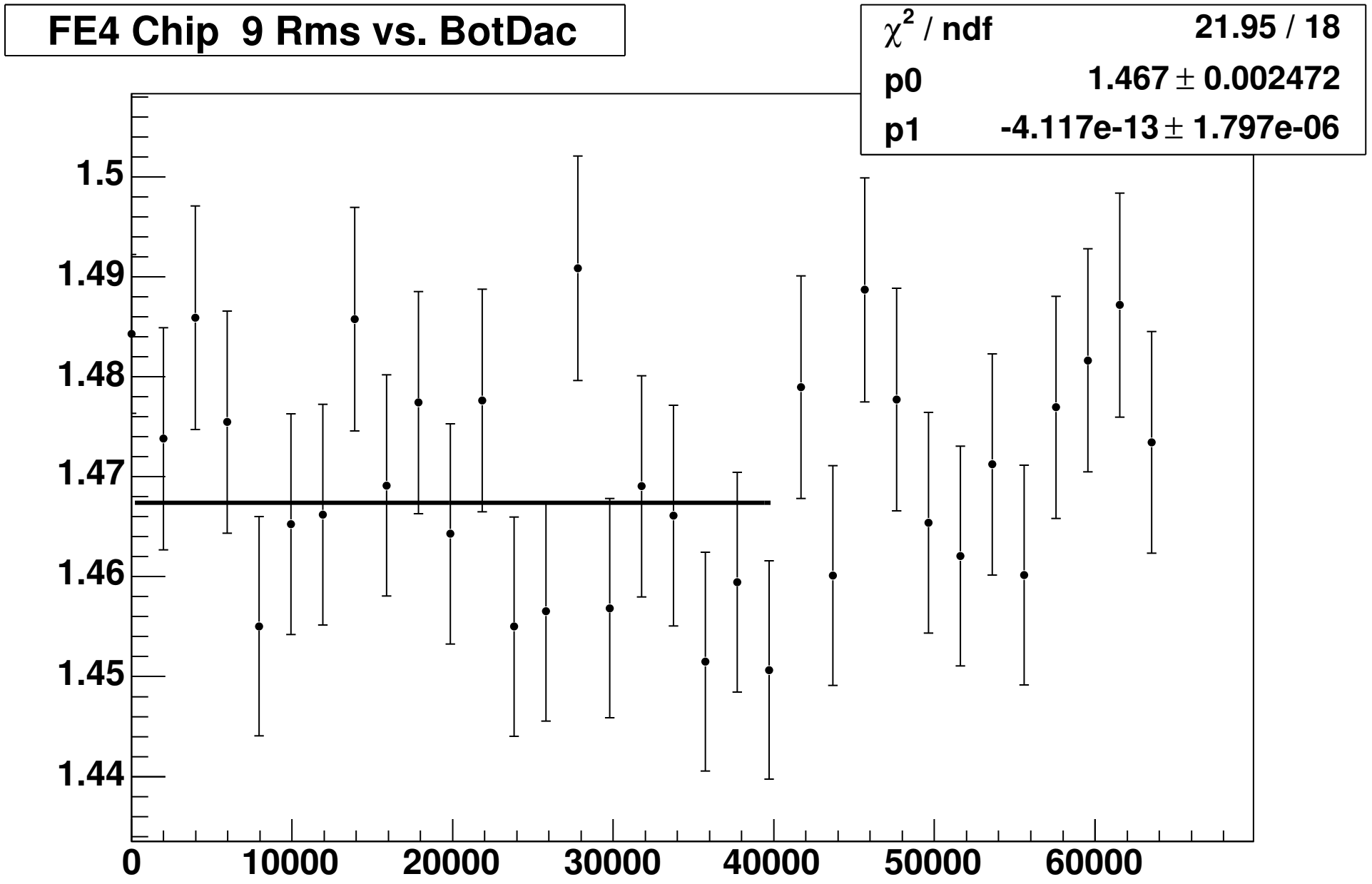

FE4 Chip 8 Mean vs. BotDac
χ^2 / ndf 119.1 / 18
p0 -19.17 ± 0.007212
p1 2.147e-06 ± 3.026e-07
-18.9
-18.95
-19
-19.05
-19.1
-19.15
-19.2
-19.25
0
10000
20000
30000
40000
50000
60000

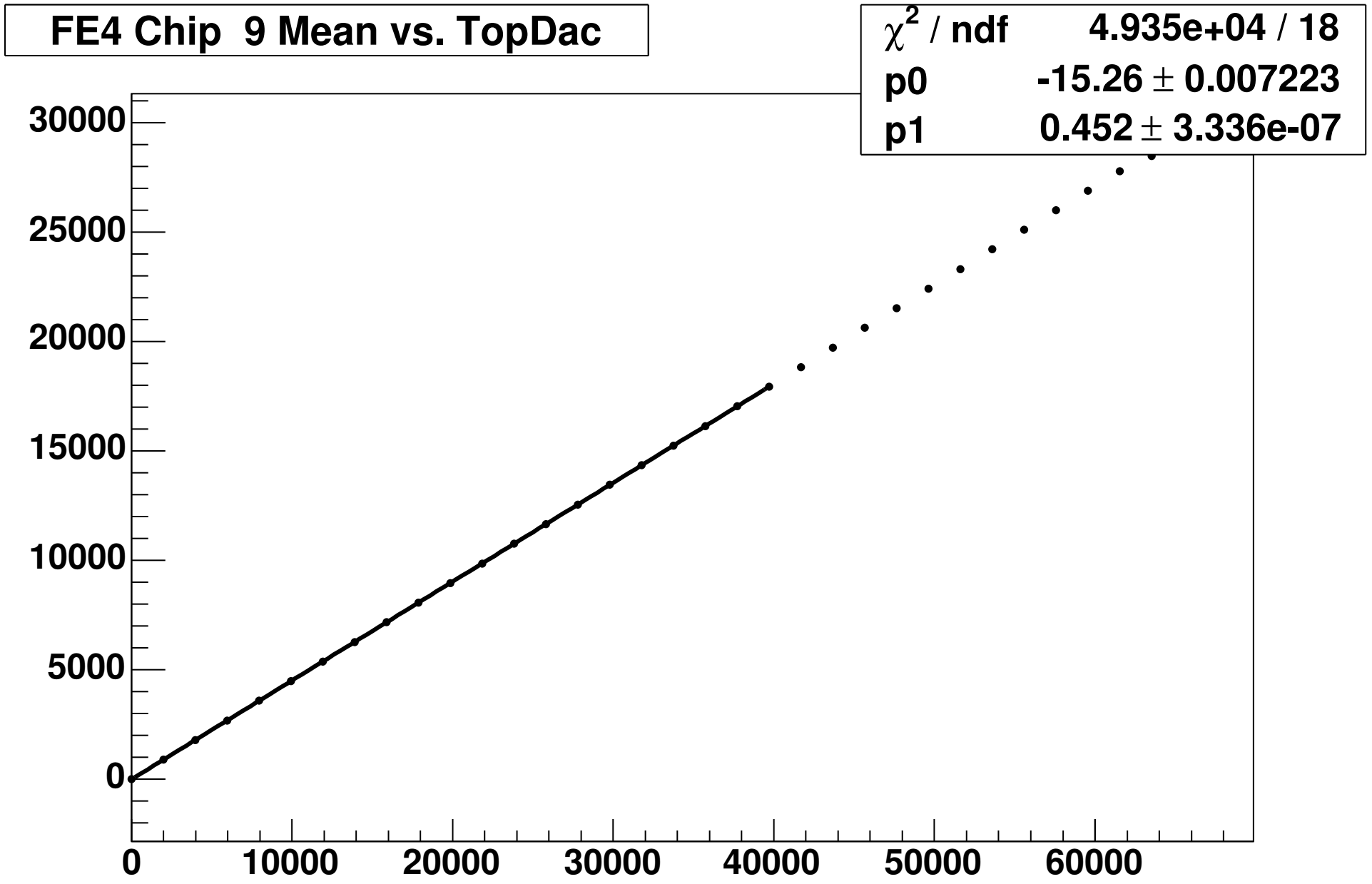

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 23.31 / 18
p0 1.462 ± 0.00246
p1 1.906e-14 ± 2.133e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

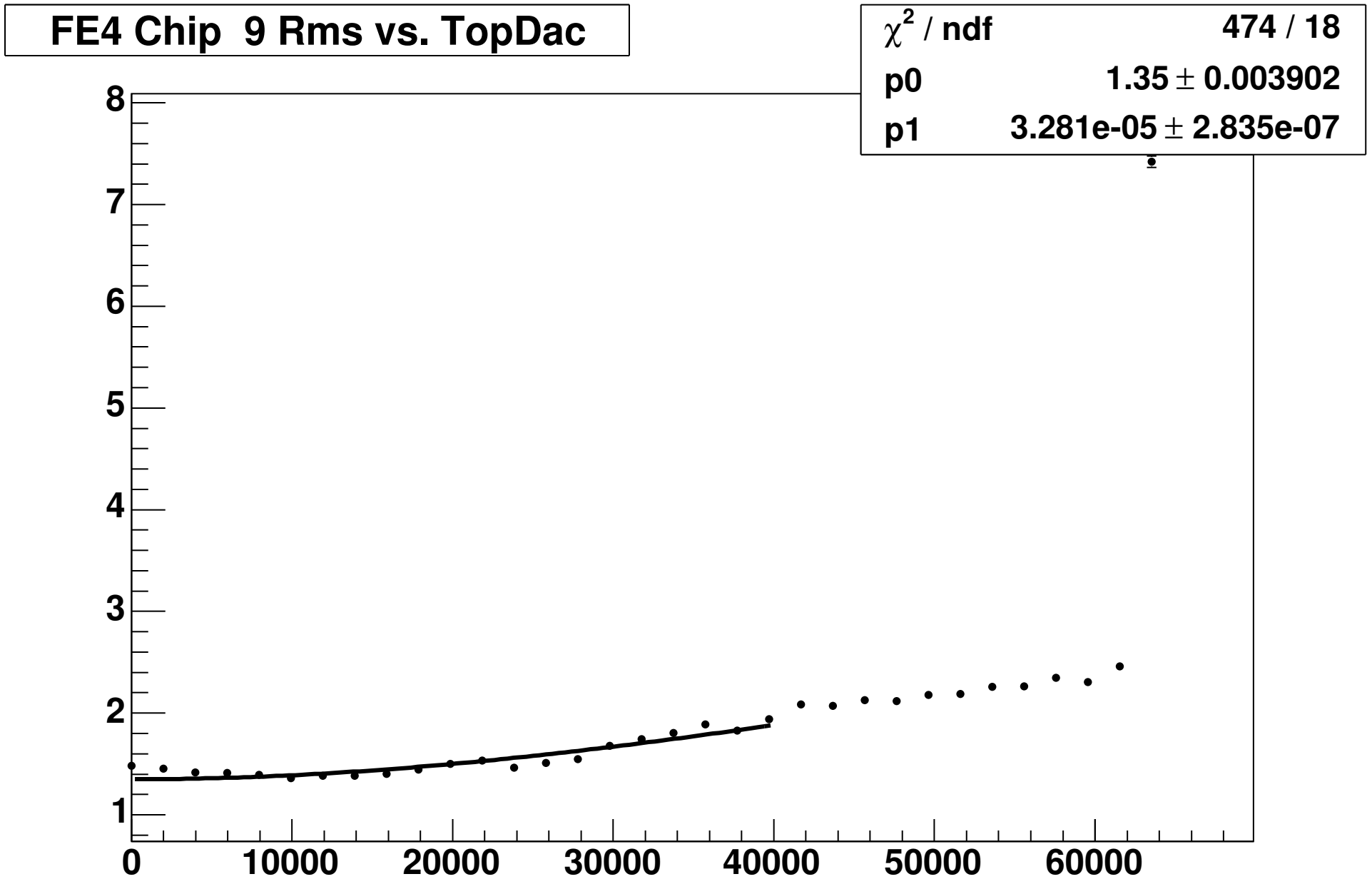

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 7.58e+04 / 18
p0 -18.08 ± 0.007144
p1 0.452 ± 3.301e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

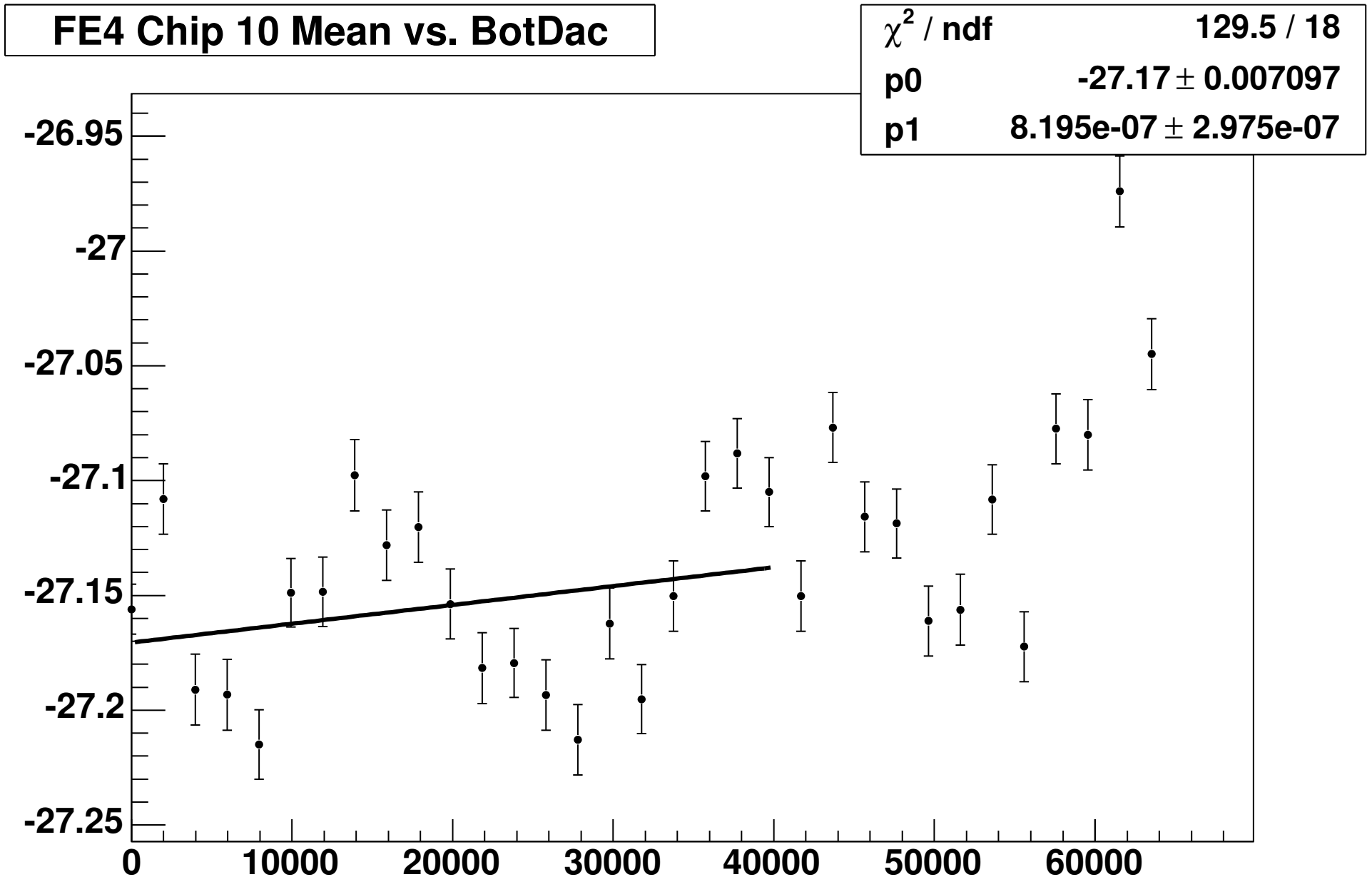

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 410.4 / 18
p0 1.339 ± 0.00387
p1 3.272e-05 ± 2.802e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

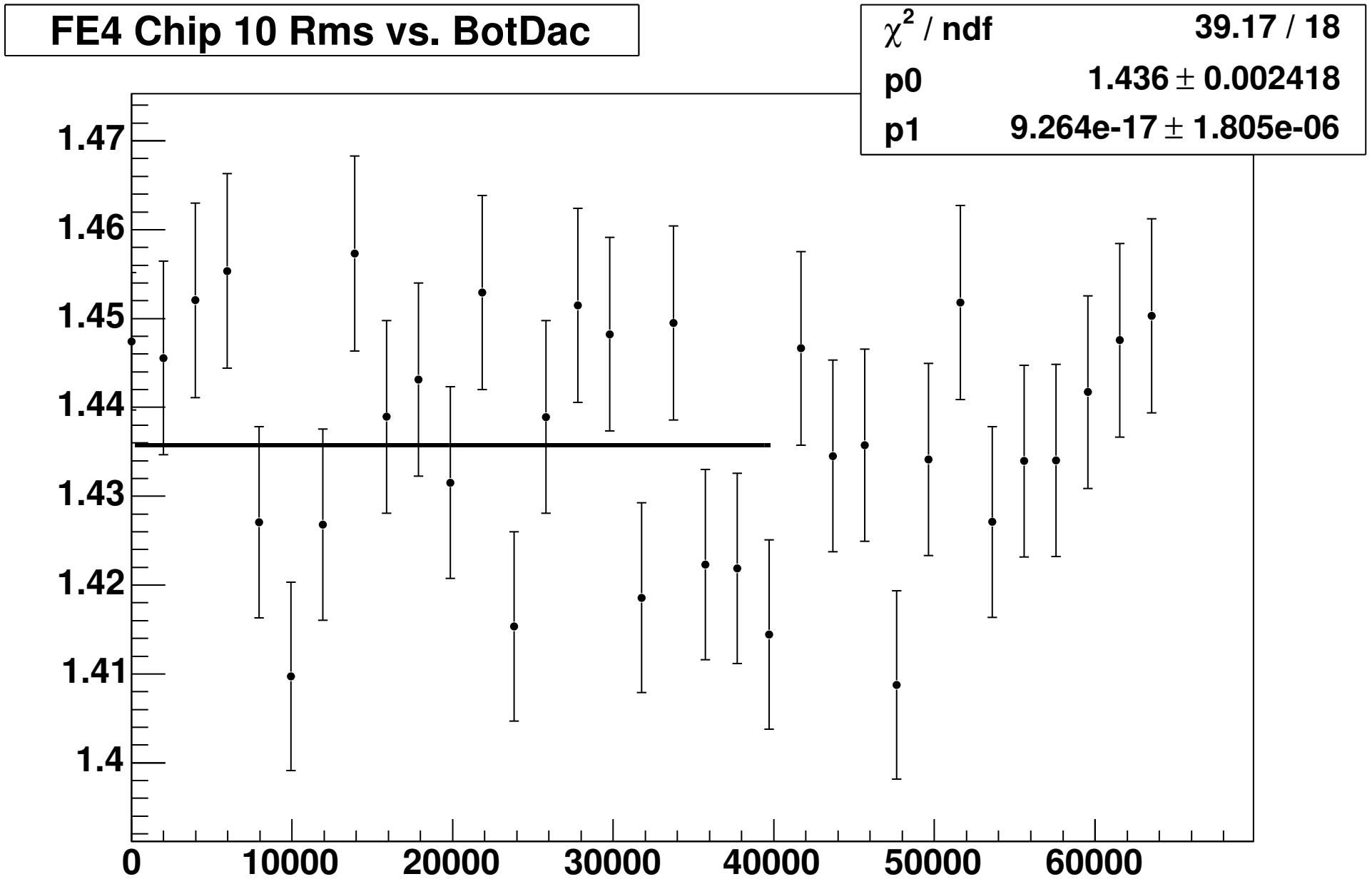

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 108.7 / 18
p0 -15.87 ± 0.007255
p1 1.996e-06 ± 3.041e-07
-15.6
-15.65
-15.7
-15.75
-15.8
-15.85
-15.9
0
10000
20000
30000
40000
50000
60000

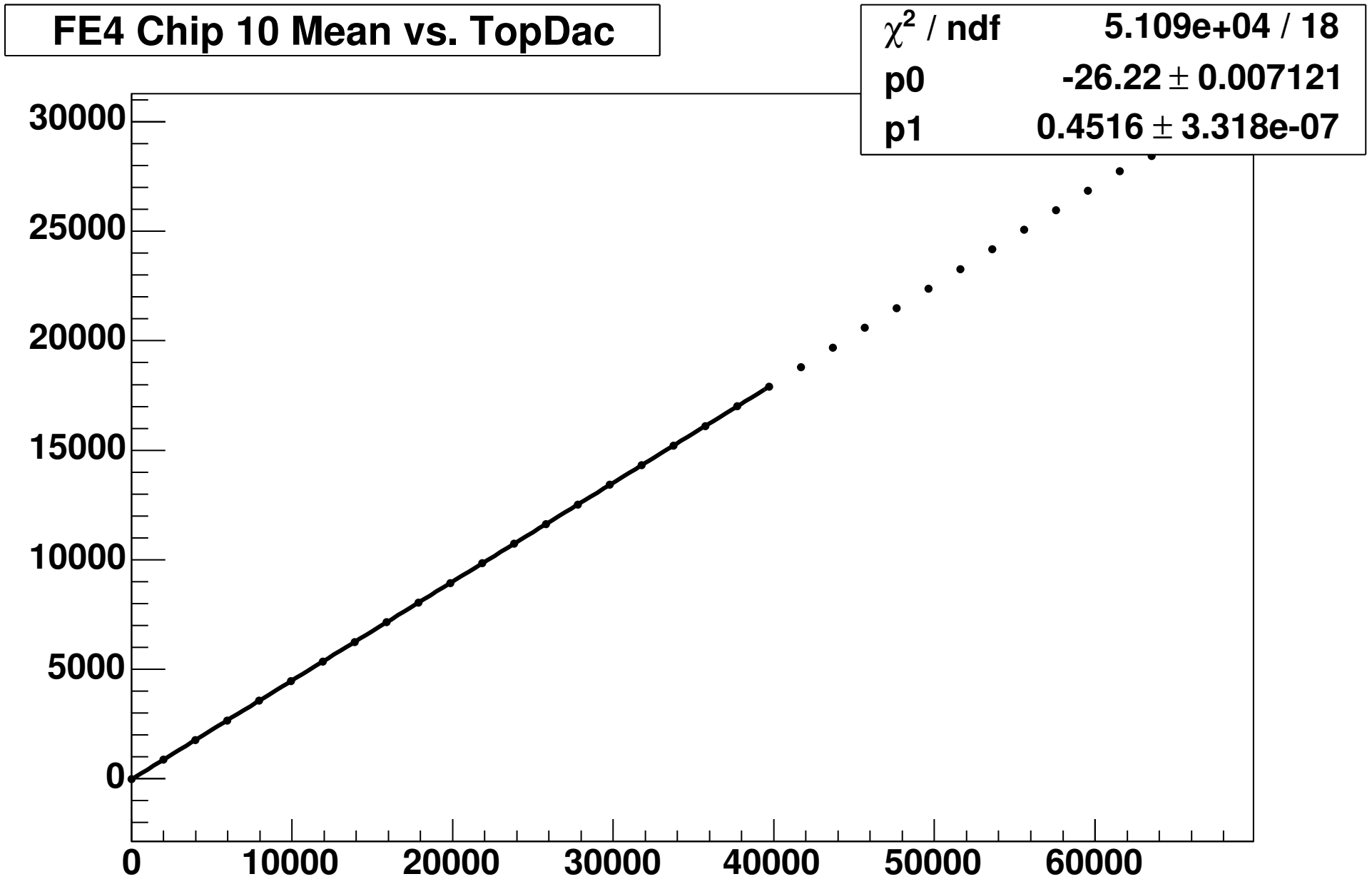

FE4 Chip 9 Rms vs. BotDac
χ² / ndf 21.95 / 18
p0 1.467 ± 0.002472
p1 -4.117e-13 ± 1.797e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

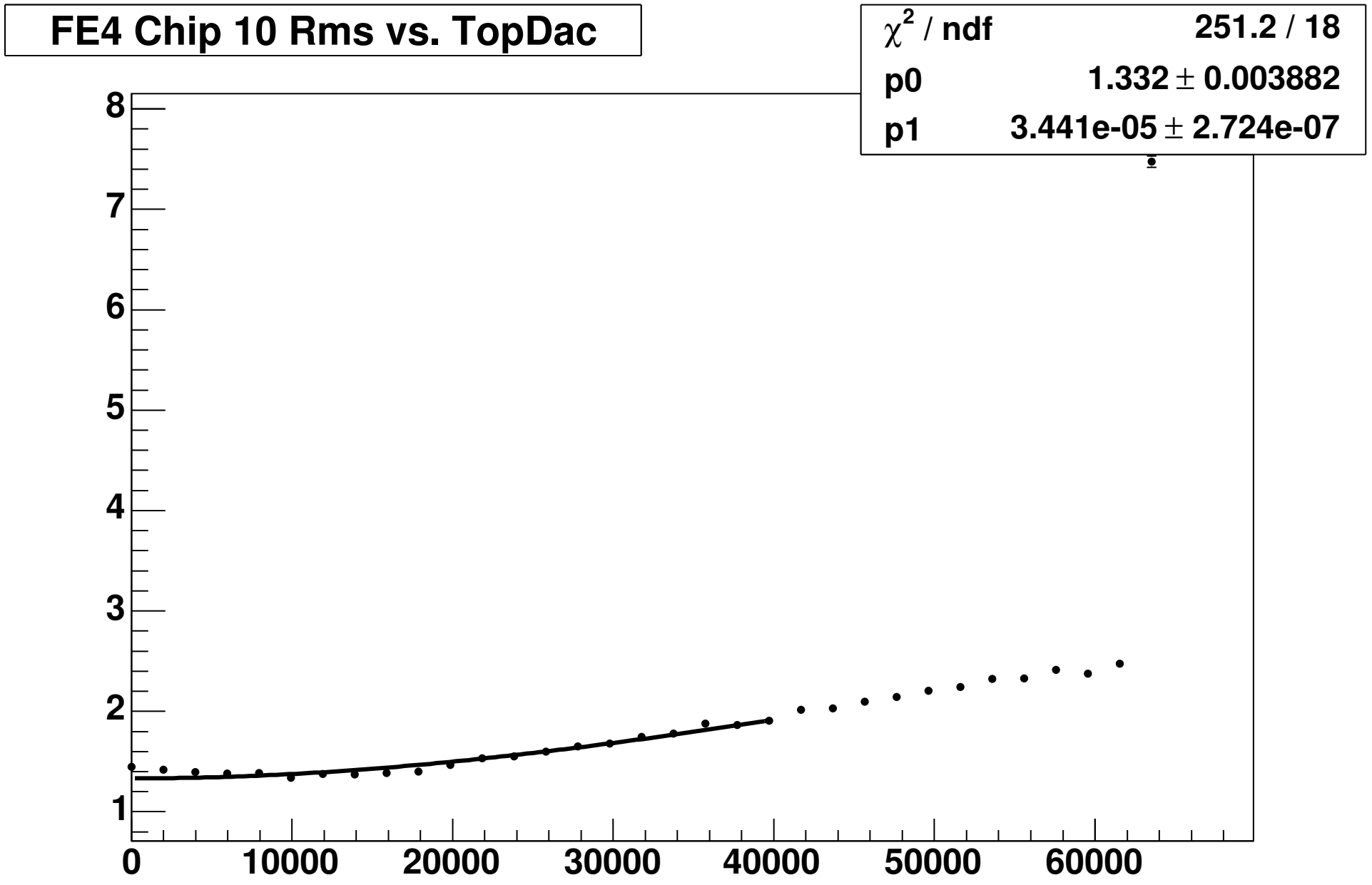

FE4 Chip 9 Mean vs. TopDac
χ^2 / ndf 4.935e+04 / 18
p0 -15.26 ± 0.007223
p1 0.452 ± 3.336e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

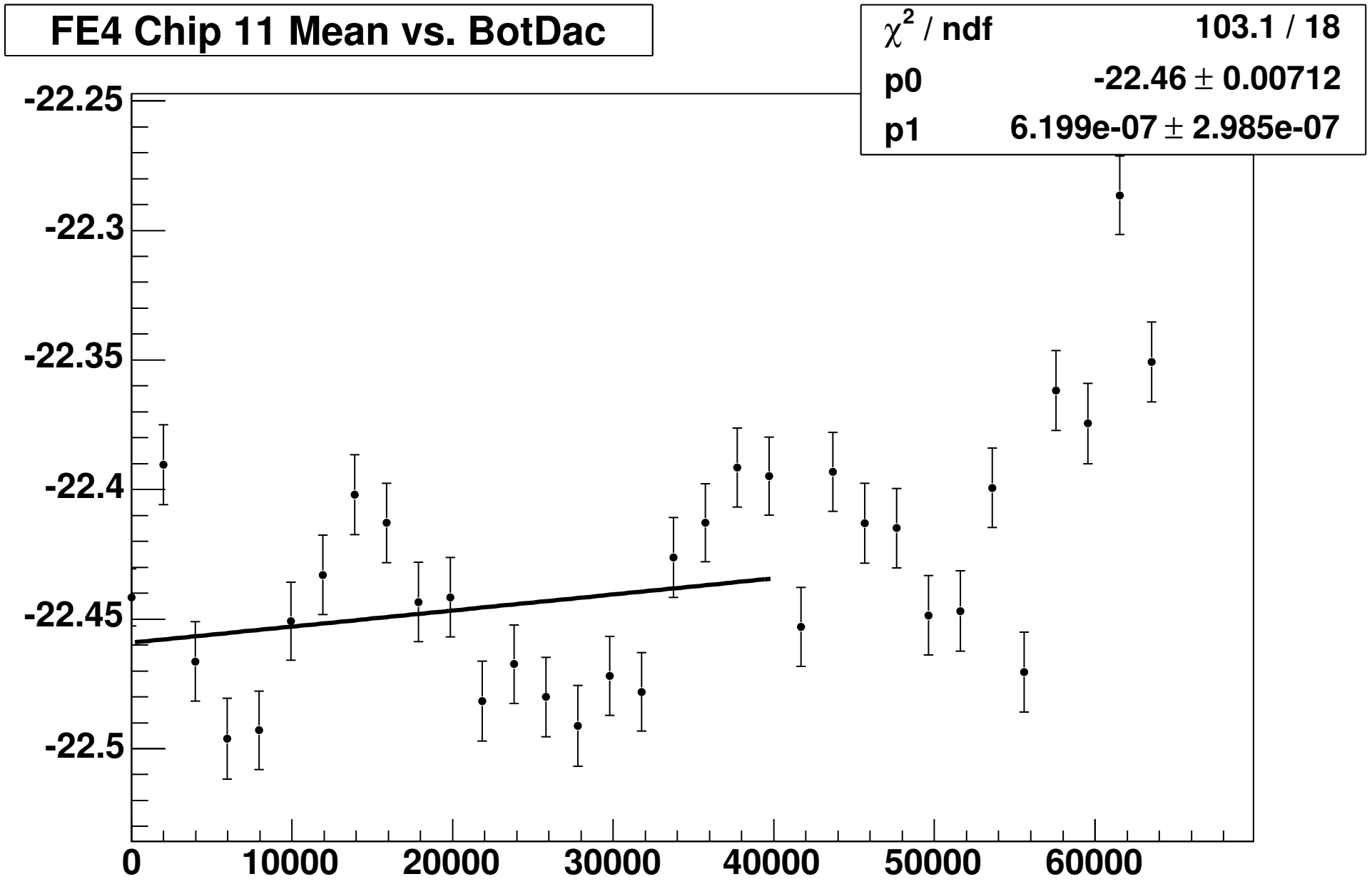

FE4 Chip 9 Rms vs. TopDac
χ² / ndf 474 / 18
p0 1.35 ± 0.003902
p1 3.281e-05 ± 2.835e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

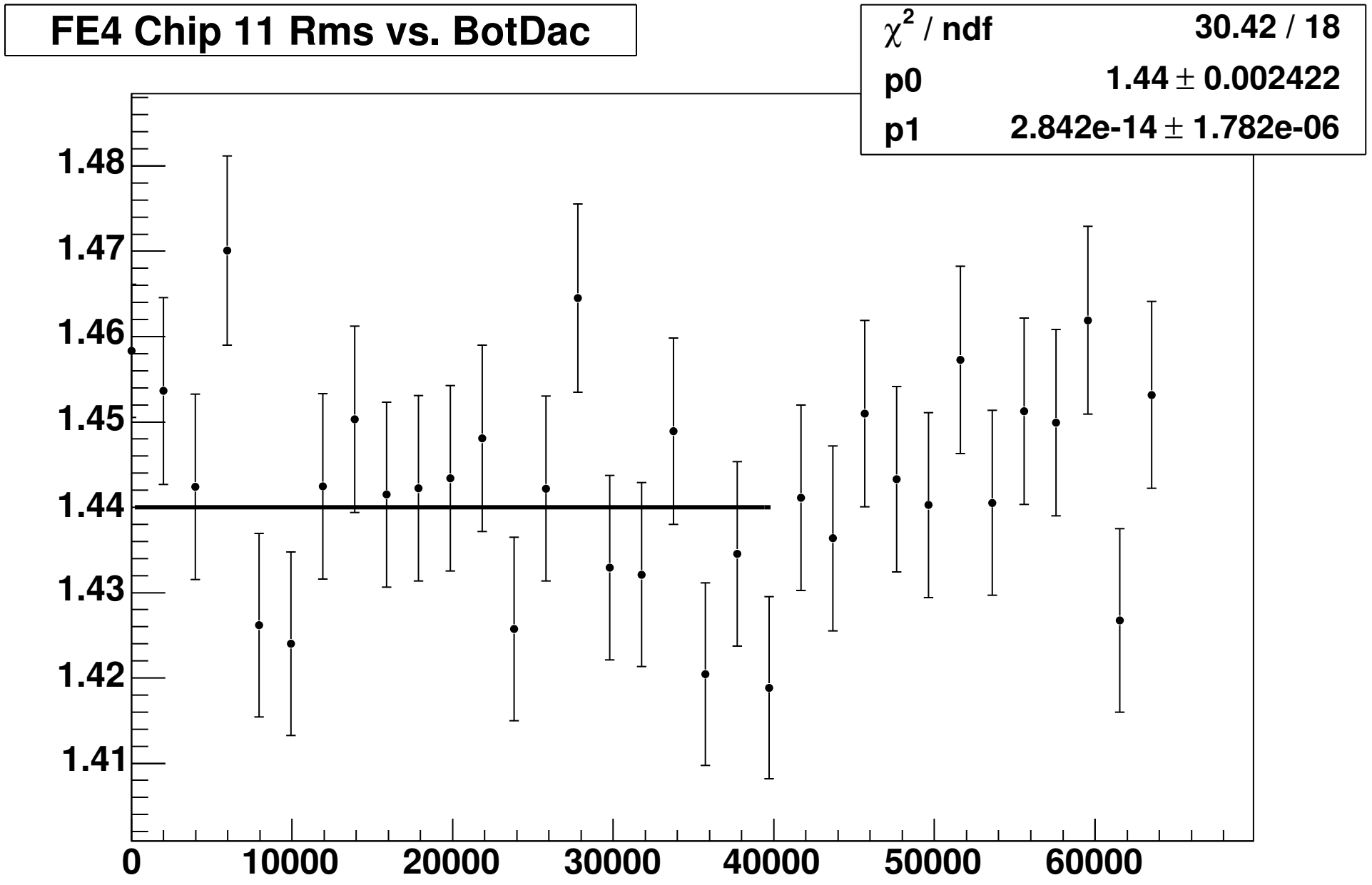

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 129.5 / 18
p0 -27.17 ± 0.007097
p1 8.195e-07 ± 2.975e-07
-26.95
-27
-27.05
-27.1
-27.15
-27.2
-27.25
0
10000
20000
30000
40000
50000
60000

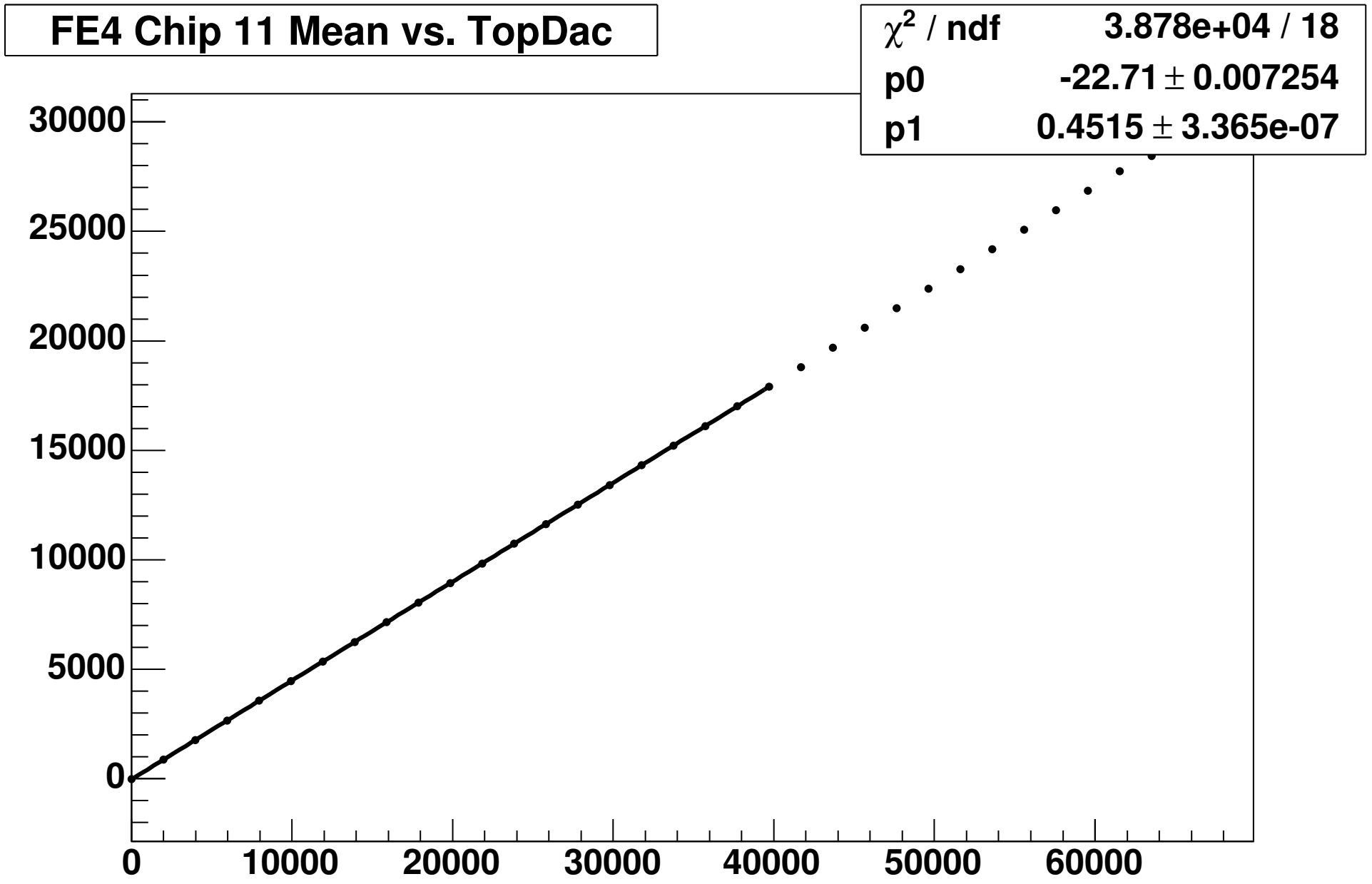

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 39.17 / 18
p0 1.436 ± 0.002418
p1 9.264e-17 ± 1.805e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

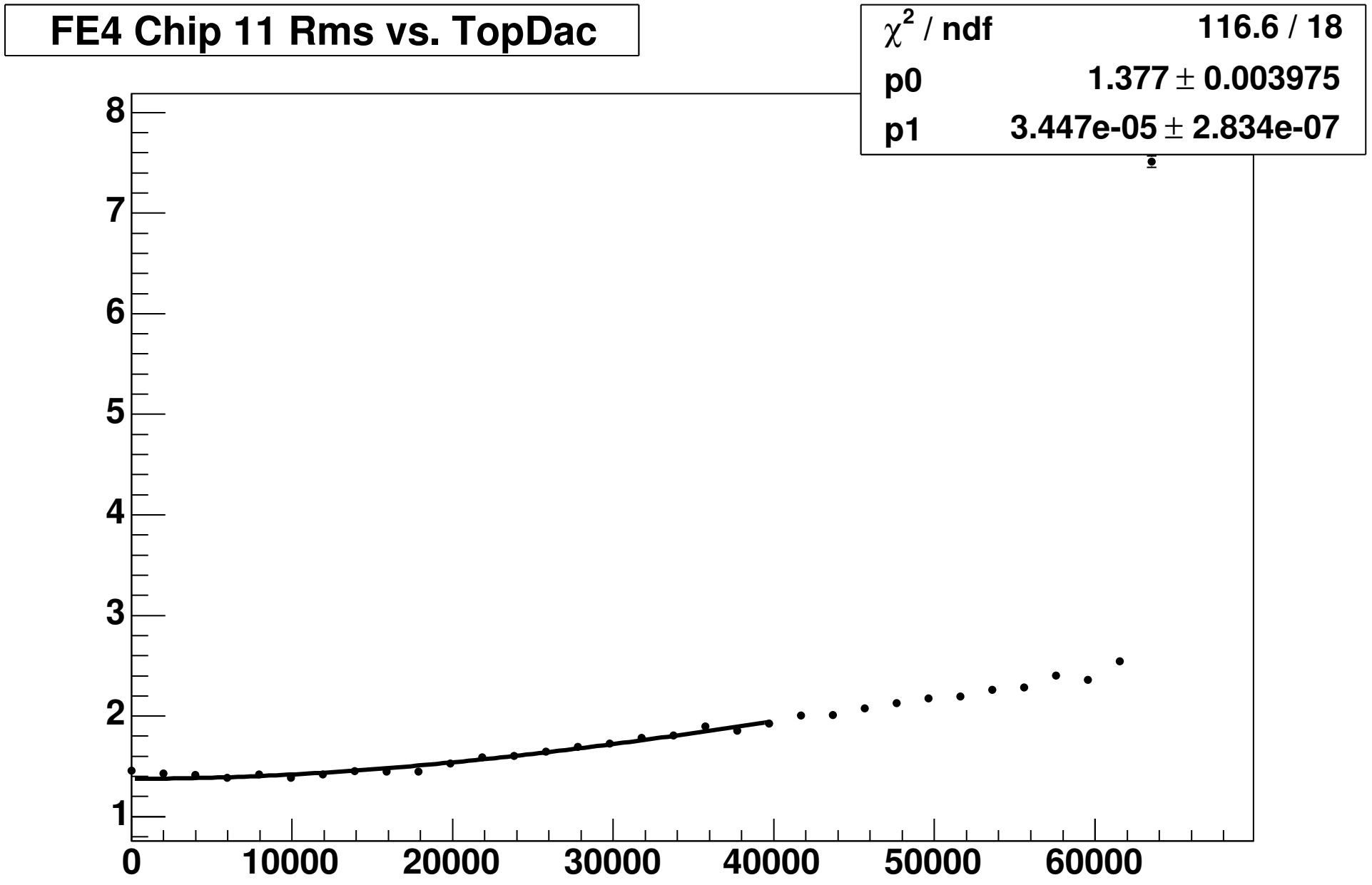

FE4 Chip 10 Mean vs. TopDac
χ² / ndf 5.109e+04 / 18
p0 -26.22 ± 0.007121
p1 0.4516 ± 3.318e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

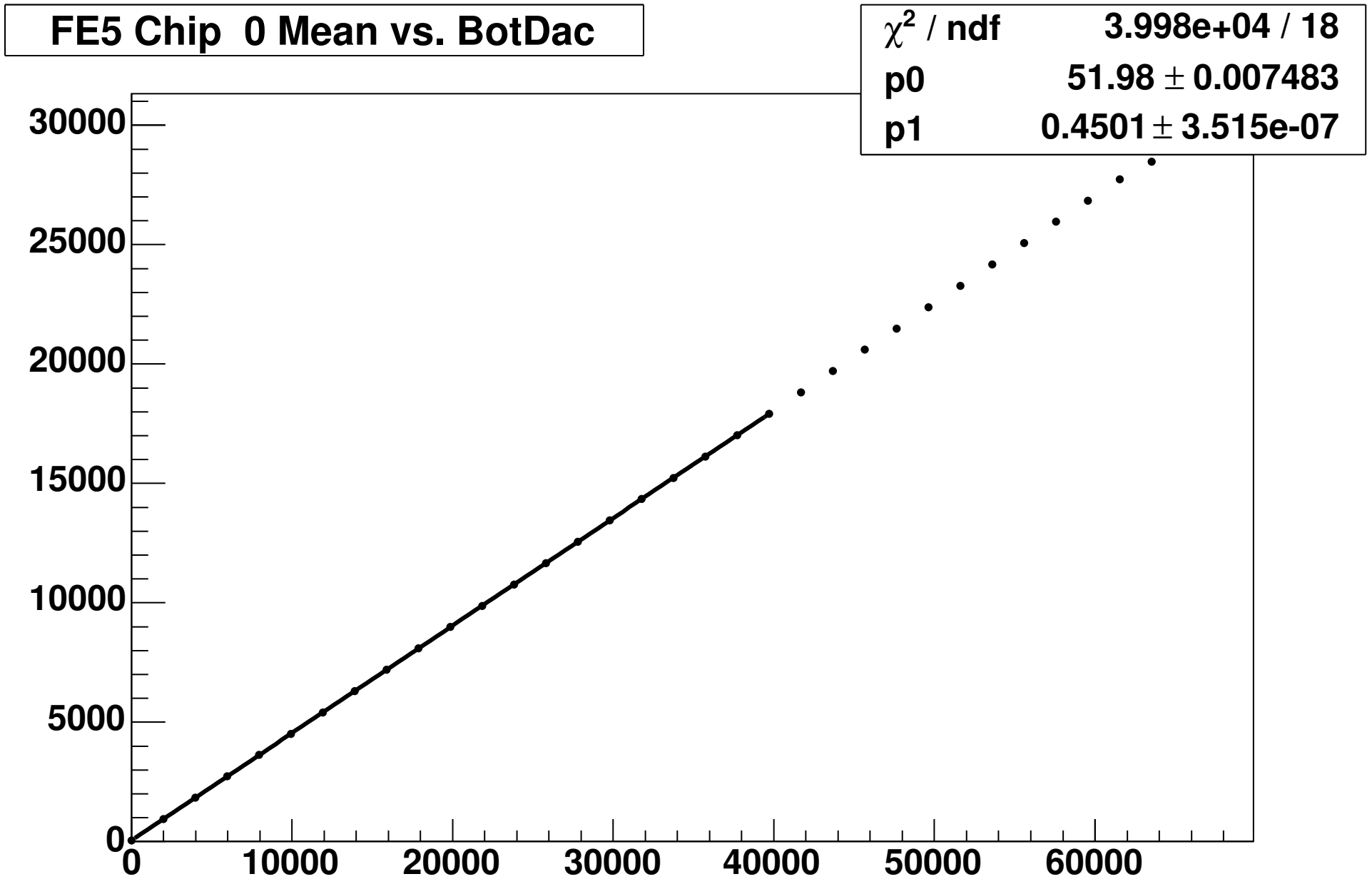

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 251.2 / 18
p0 1.332 ± 0.003882
p1 3.441e-05 ± 2.724e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

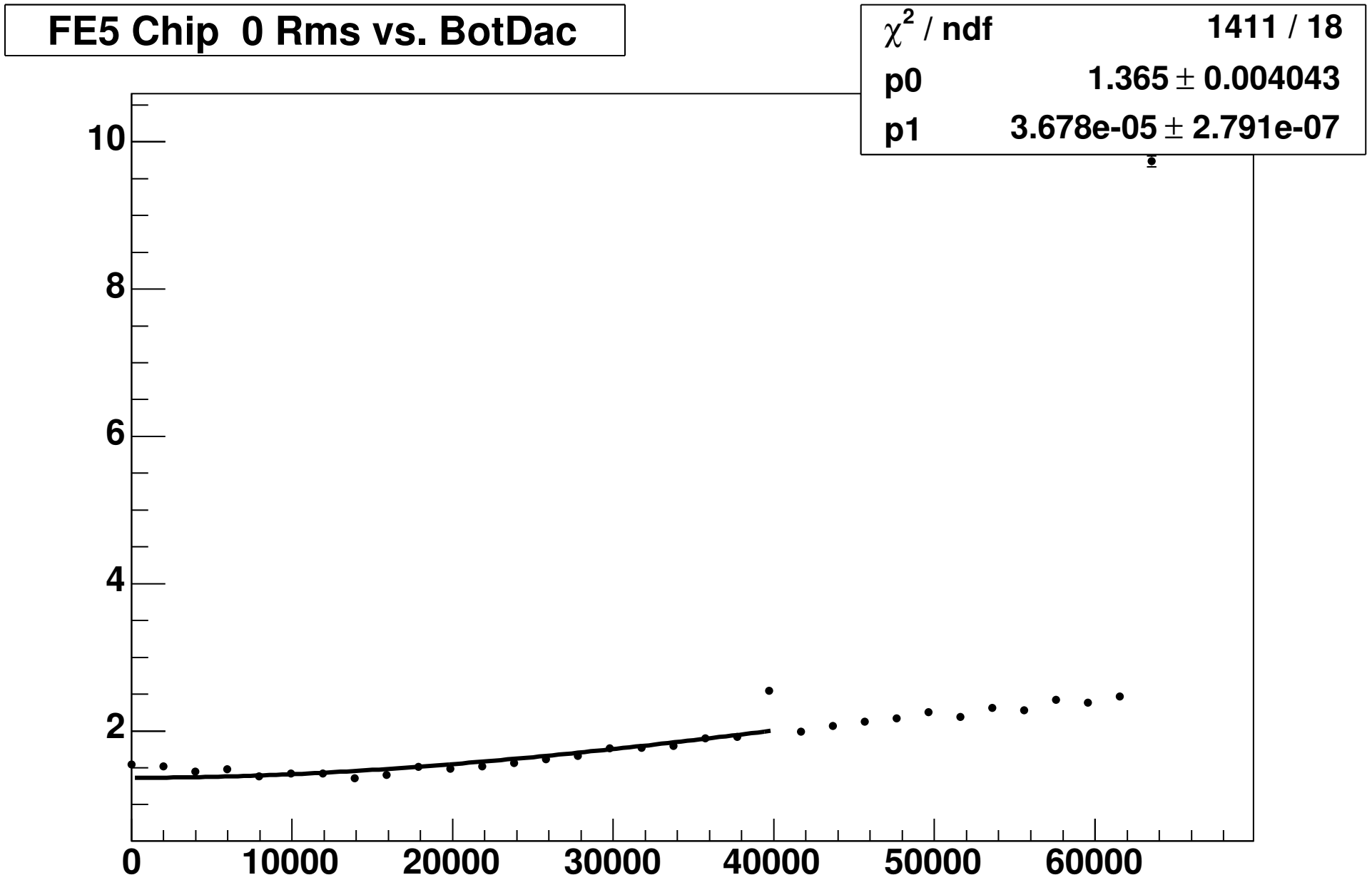

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 103.1 / 18
p0 -22.46 ± 0.00712
p1 6.199e-07 ± 2.985e-07
-22.25
-22.3
-22.35
-22.4
-22.45
-22.5
0
10000
20000
30000
40000
50000
60000

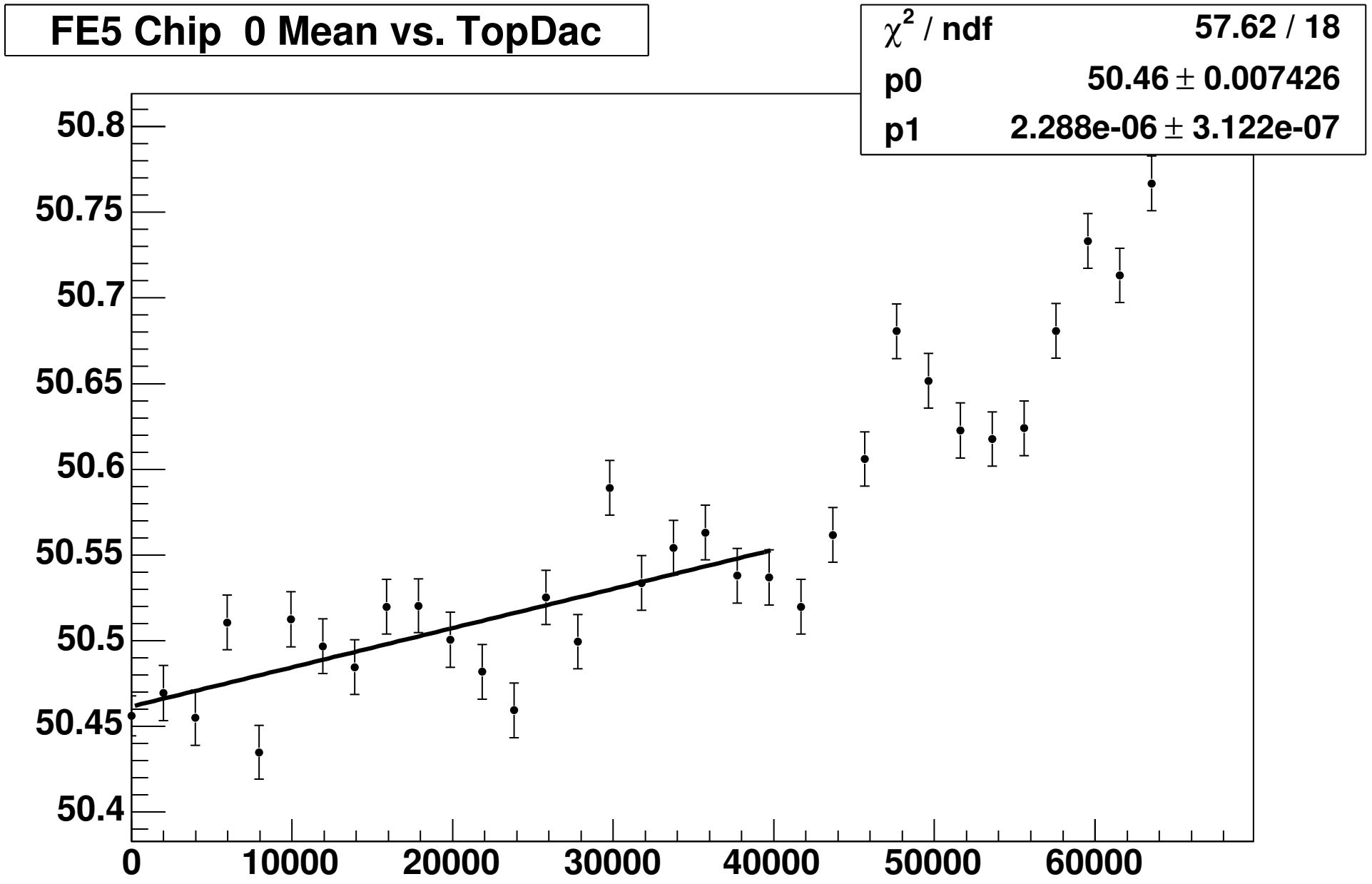

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 30.42 / 18
p0 1.44 ± 0.002422
p1 2.842e-14 ± 1.782e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

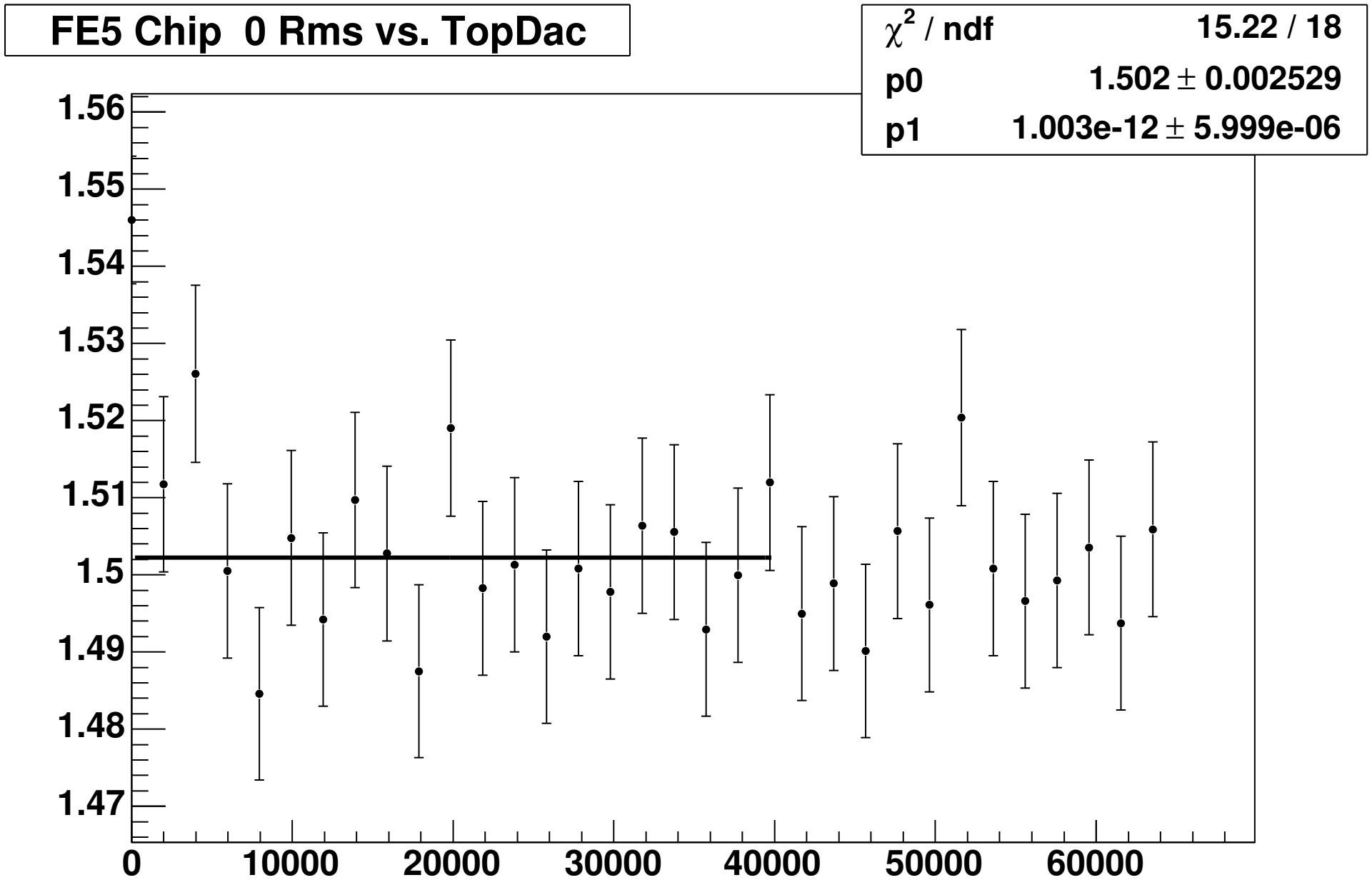

FE4 Chip 11 Mean vs. TopDac
χ² / ndf 3.878e+04 / 18
p0 -22.71 ± 0.007254
p1 0.4515 ± 3.365e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

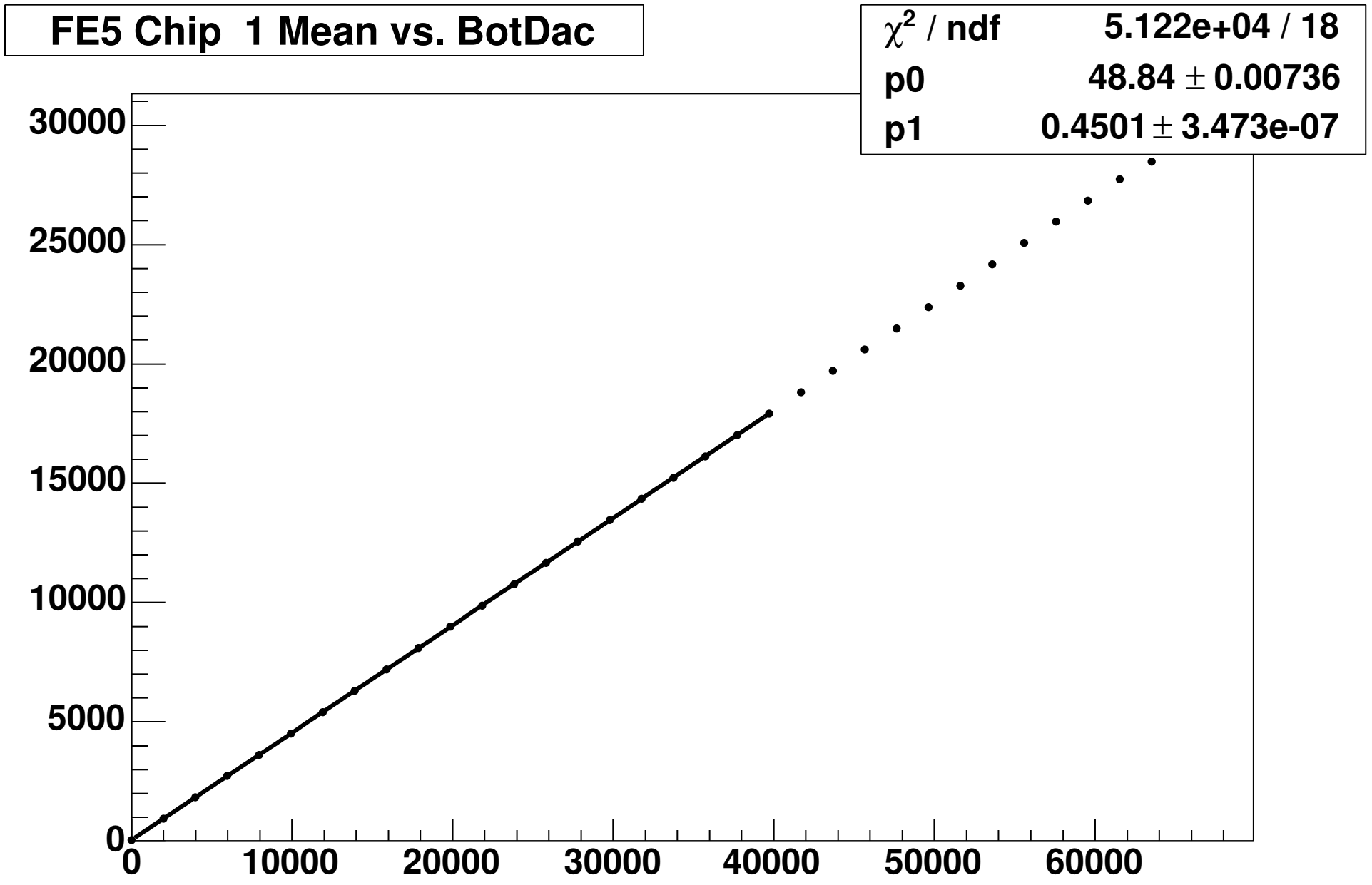

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 116.6 / 18
p0 1.377 ± 0.003975
p1 3.447e-05 ± 2.834e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

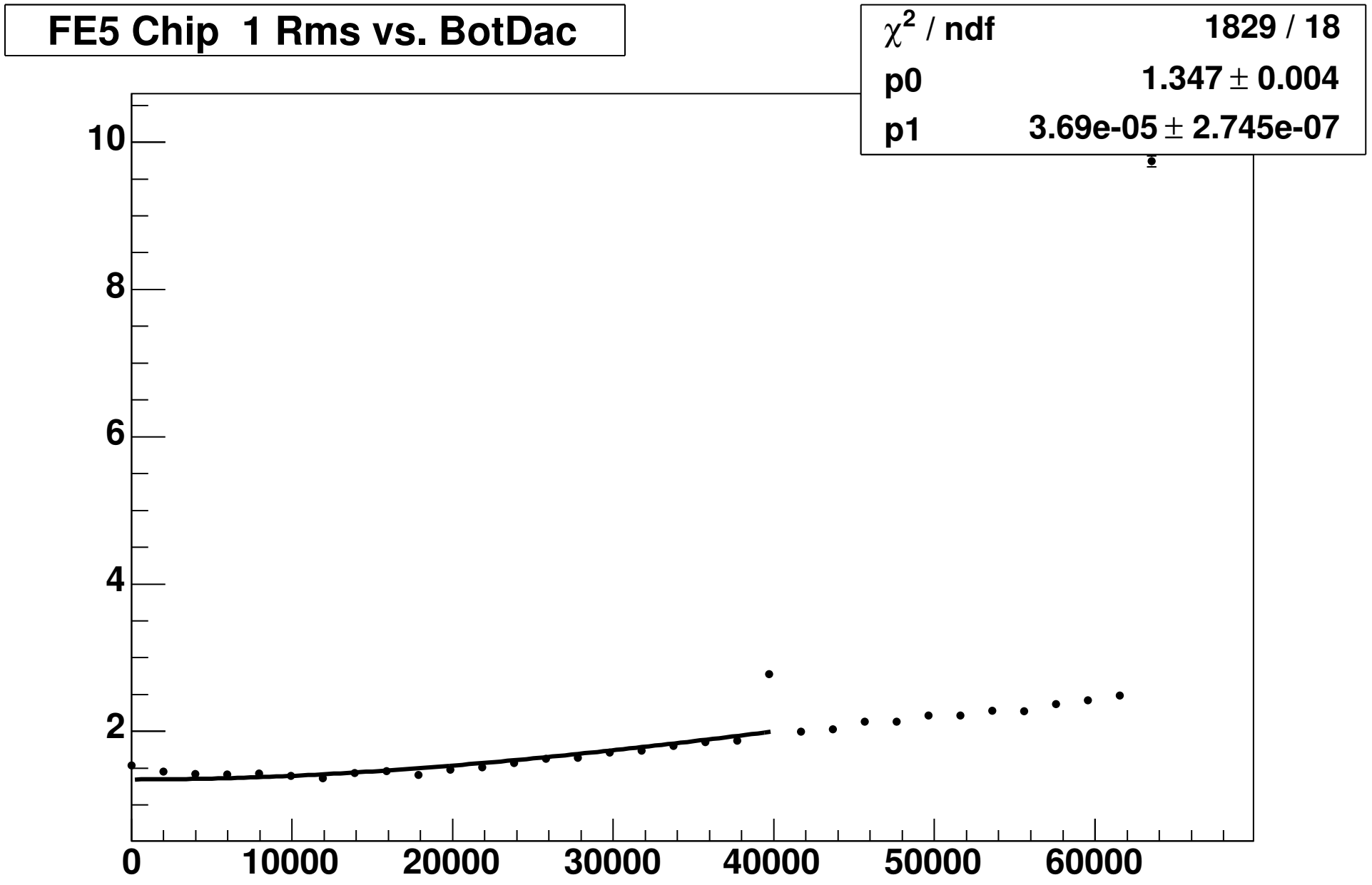

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 3.998e+04 / 18
p0 51.98 ± 0.007483
p1 0.4501 ± 3.515e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

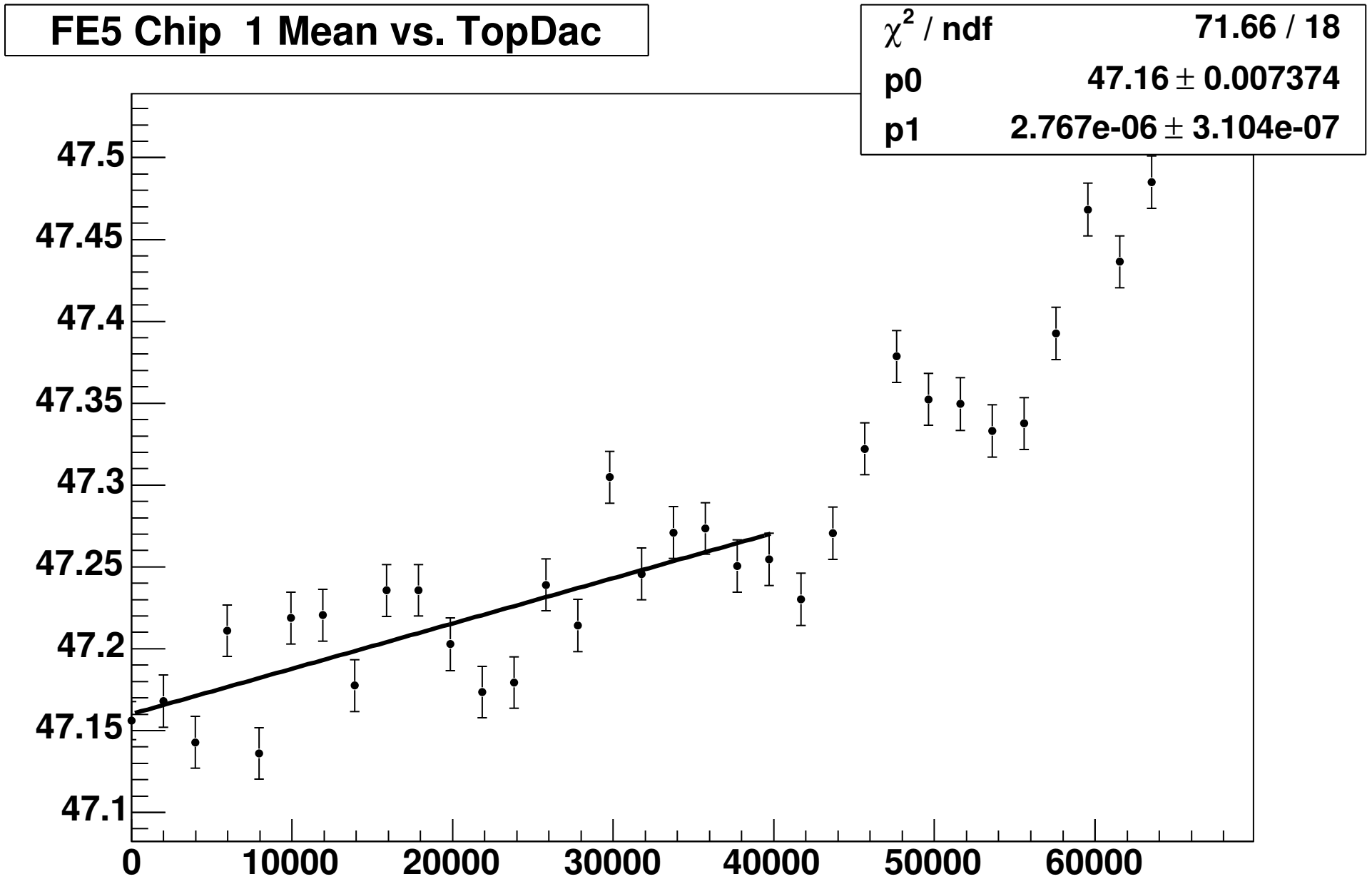

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1411 / 18
p0 1.365 ± 0.004043
p1 3.678e-05 ± 2.791e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

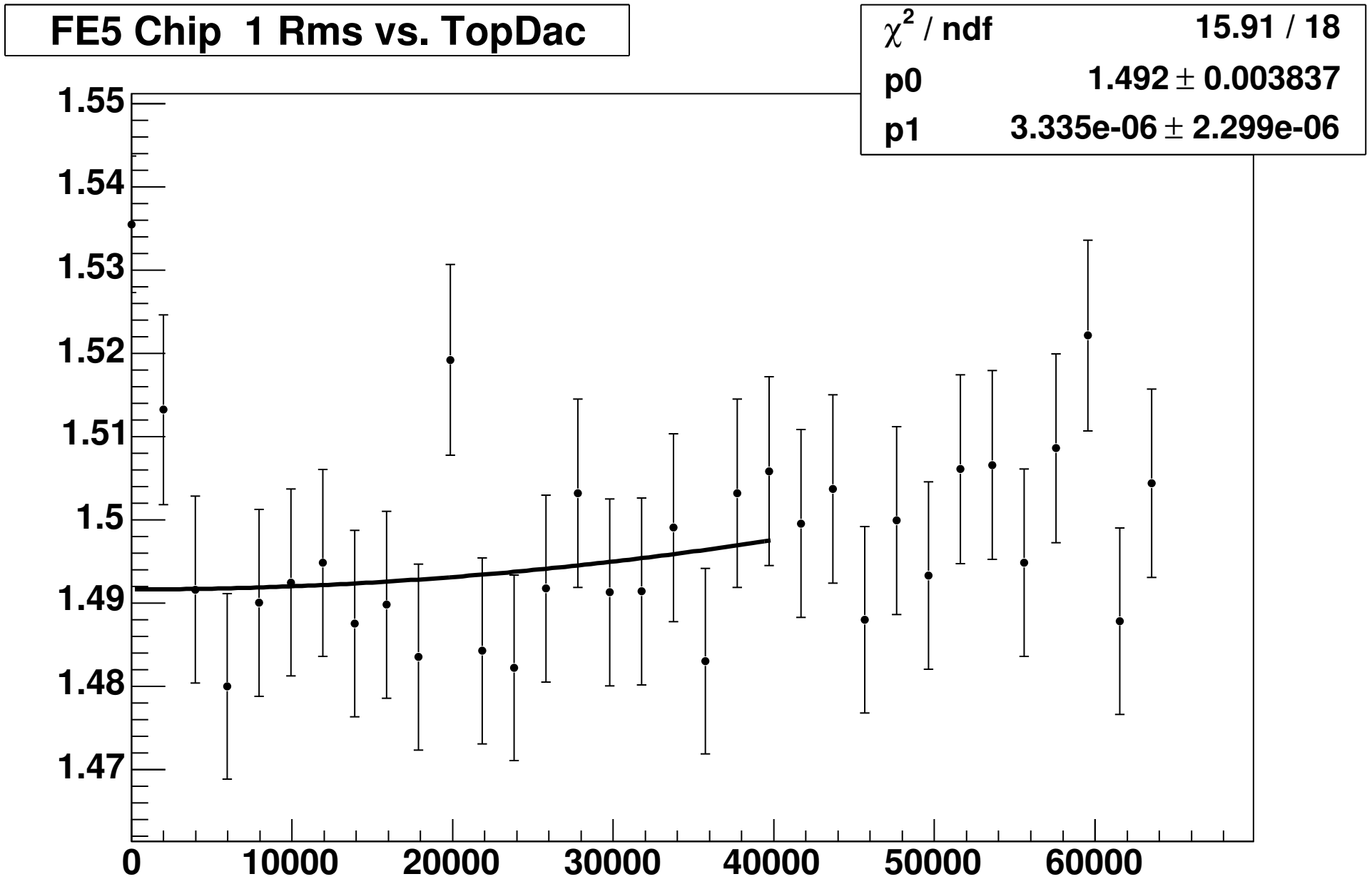

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 57.62 / 18
p0 50.46 ± 0.007426
p1 2.288e-06 ± 3.122e-07
50.8
50.75
50.7
50.65
50.6
50.55
50.5
50.45
50.4
0
10000
20000
30000
40000
50000
60000

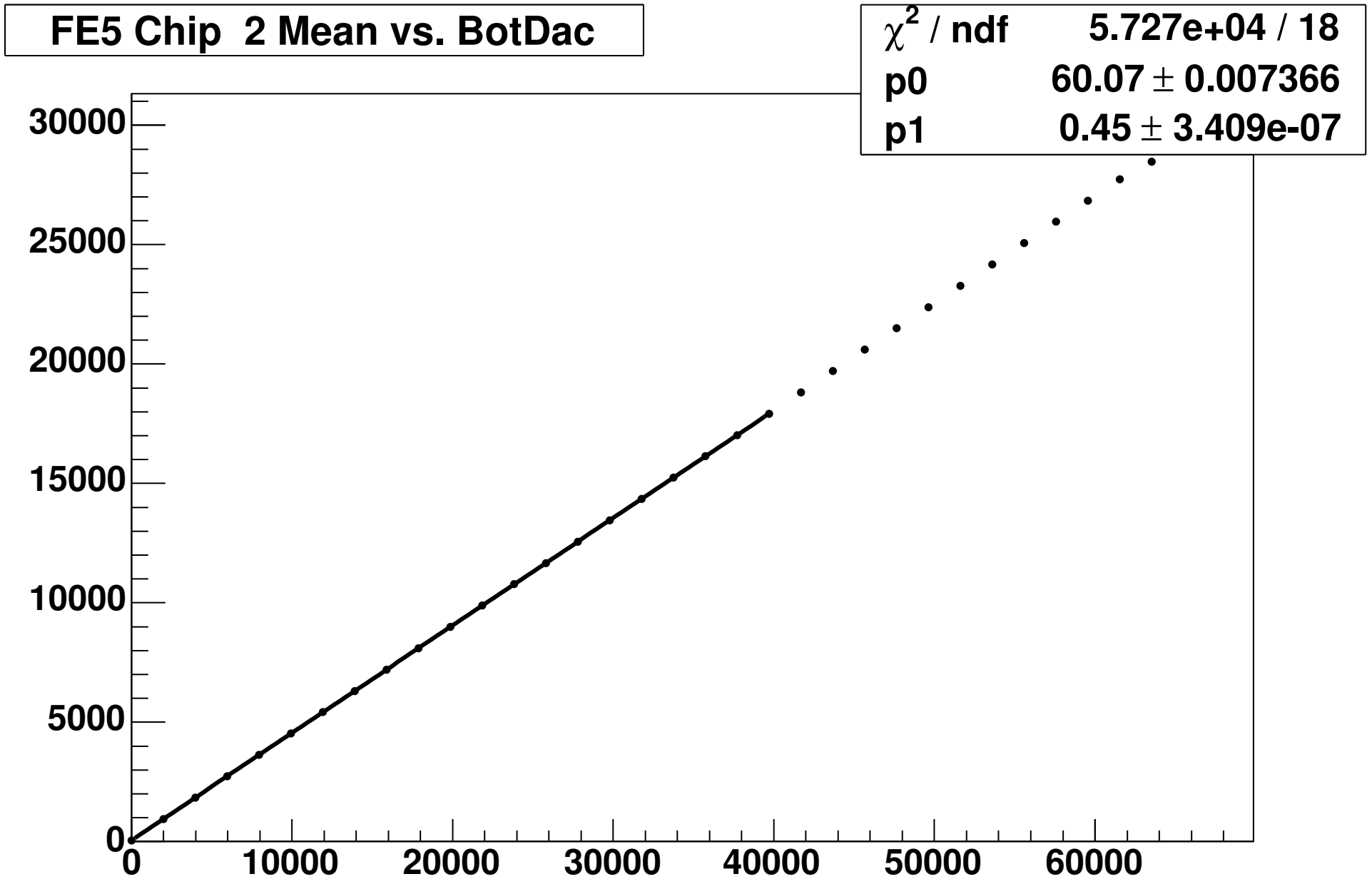

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 15.22 / 18
p0 1.502 ± 0.002529
p1 1.003e-12 ± 5.999e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

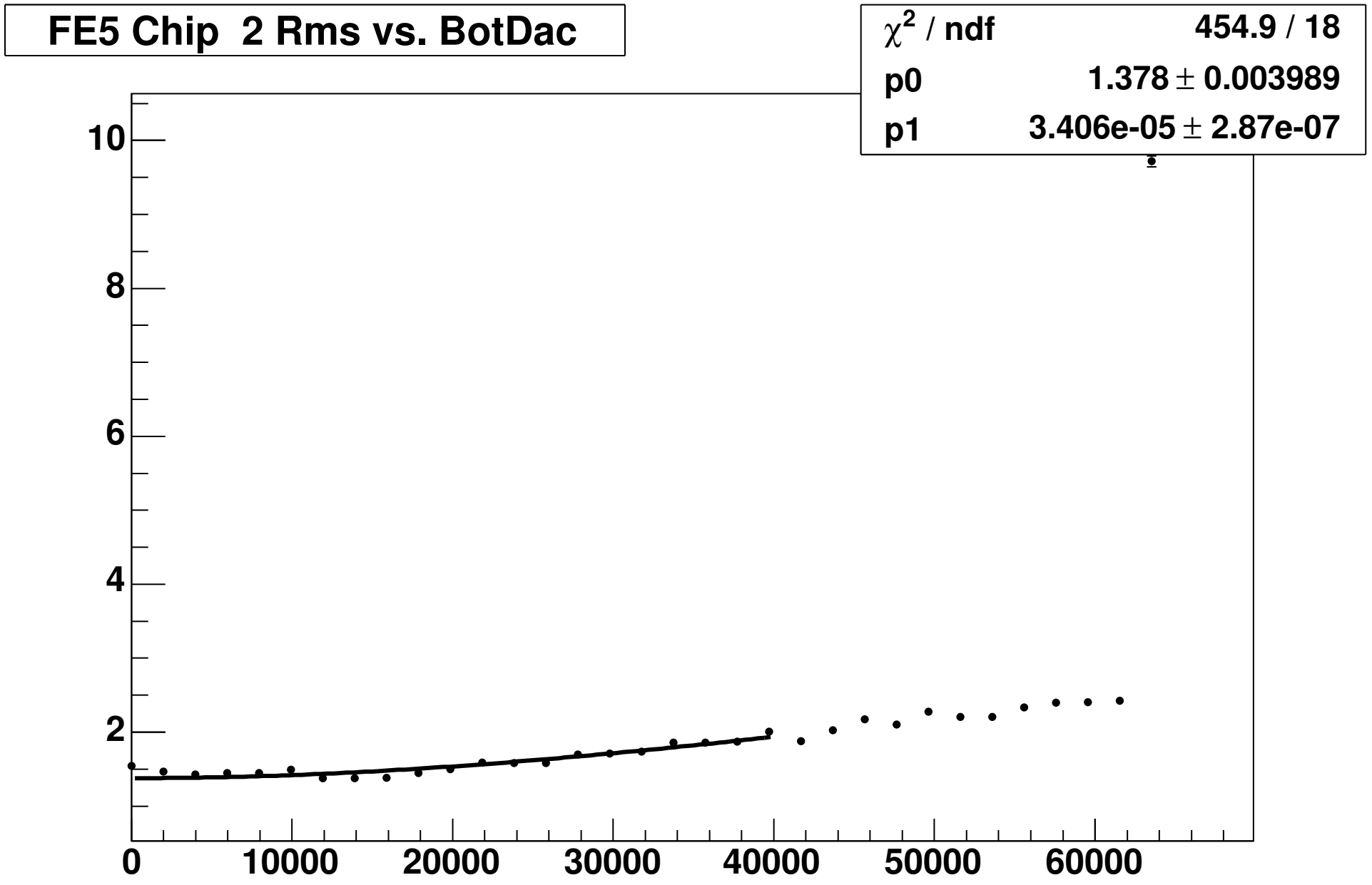

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 5.122e+04 / 18
p0 48.84 ± 0.00736
p1 0.4501 ± 3.473e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

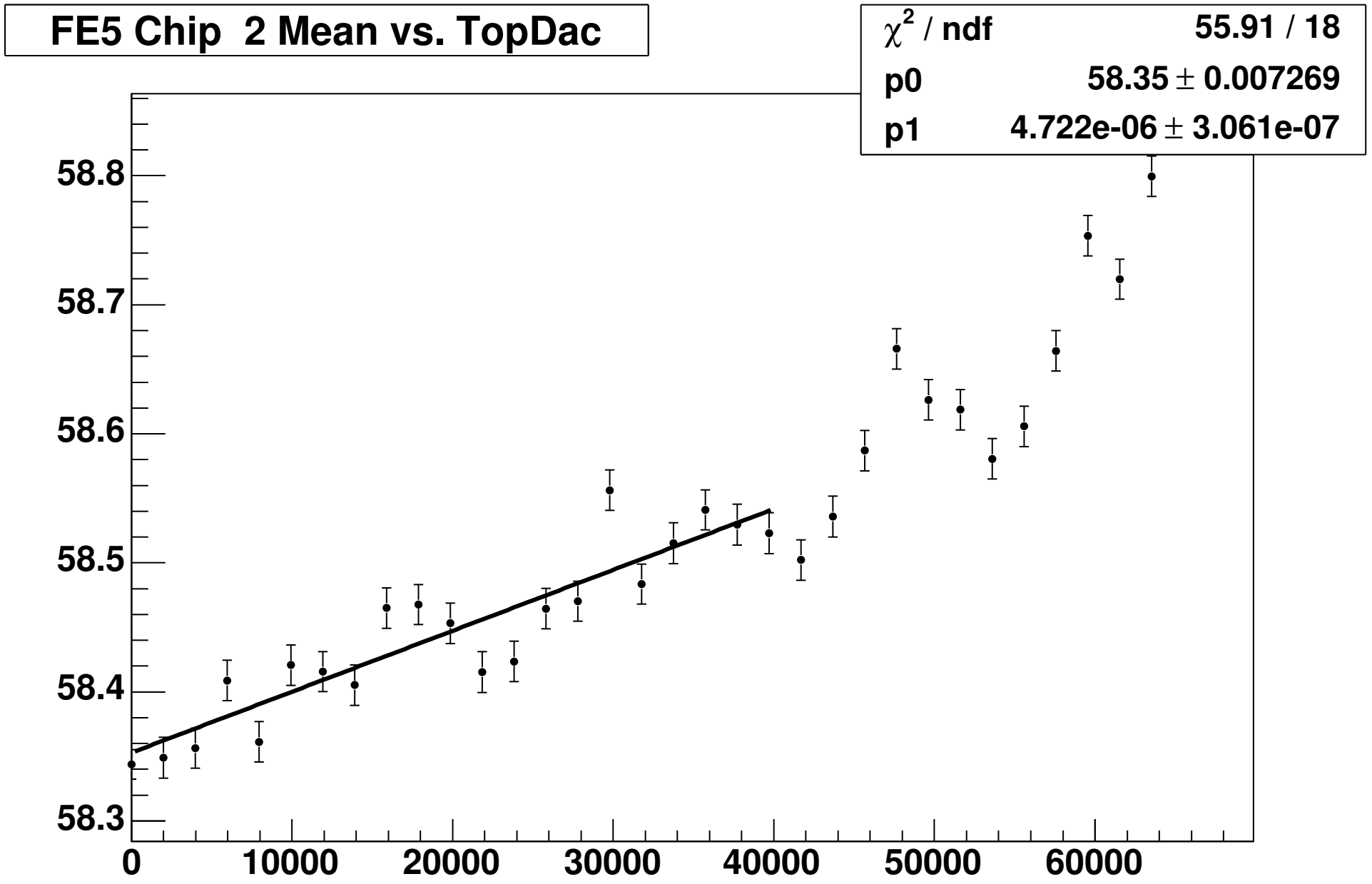

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 1829 / 18
p0 1.347 ± 0.004
p1 3.69e-05 ± 2.745e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

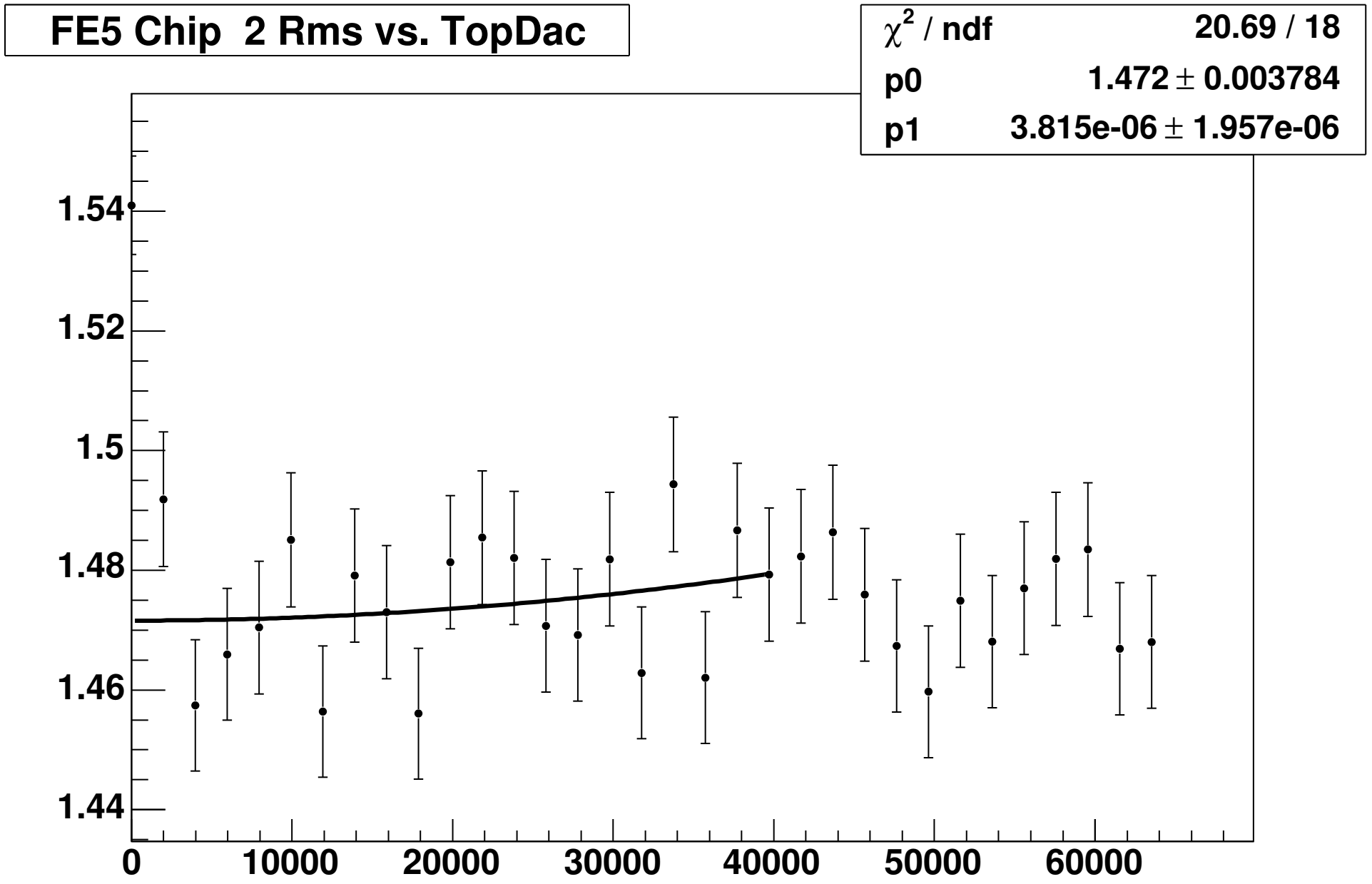

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 71.66 / 18
p0 47.16 ± 0.007374
p1 2.767e-06 ± 3.104e-07
47.5
47.45
47.4
47.35
47.3
47.25
47.2
47.15
47.1
0
10000
20000
30000
40000
50000
60000

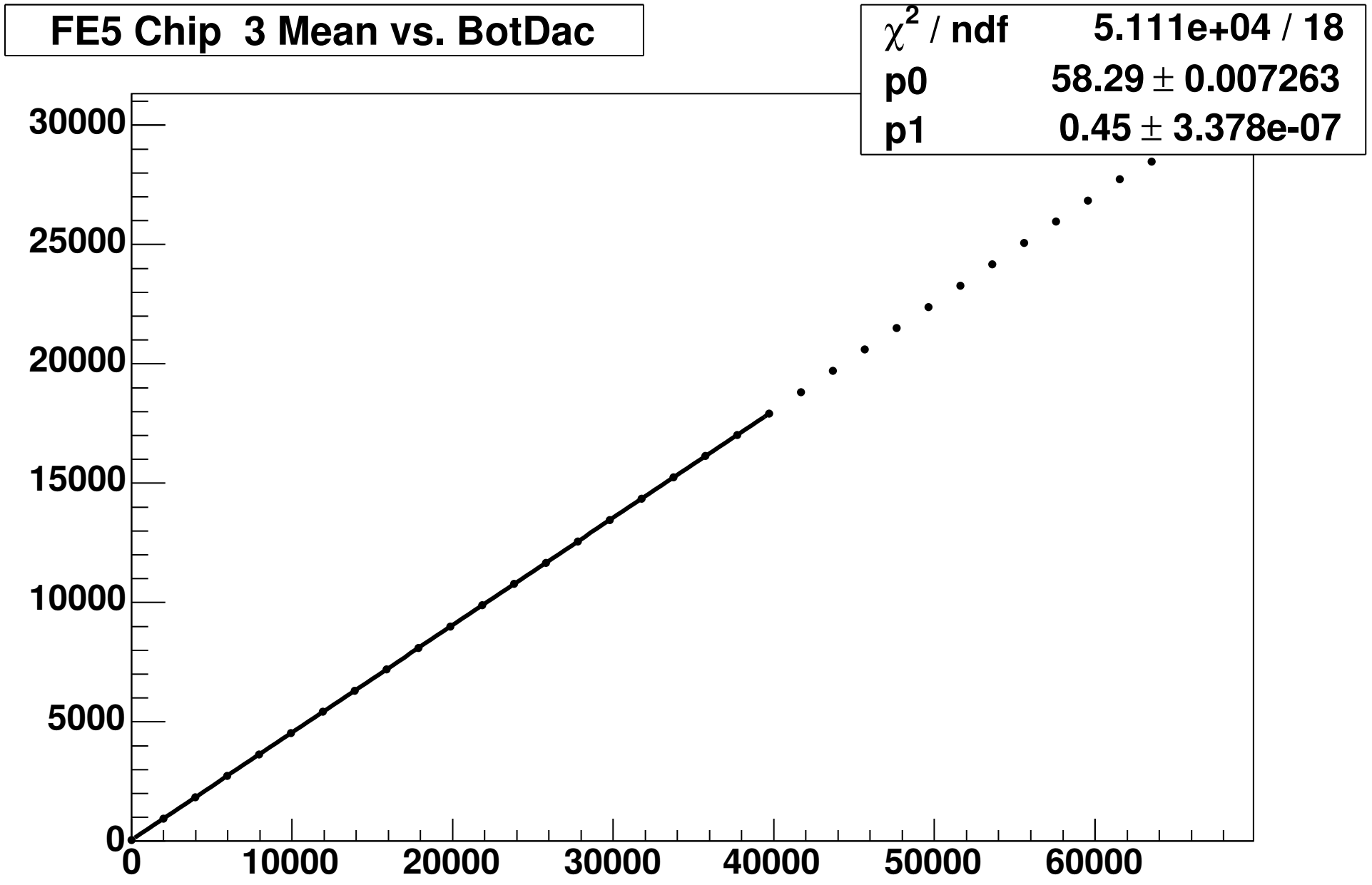

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 15.91 / 18
p0 1.492 ± 0.003837
p1 3.335e-06 ± 2.299e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

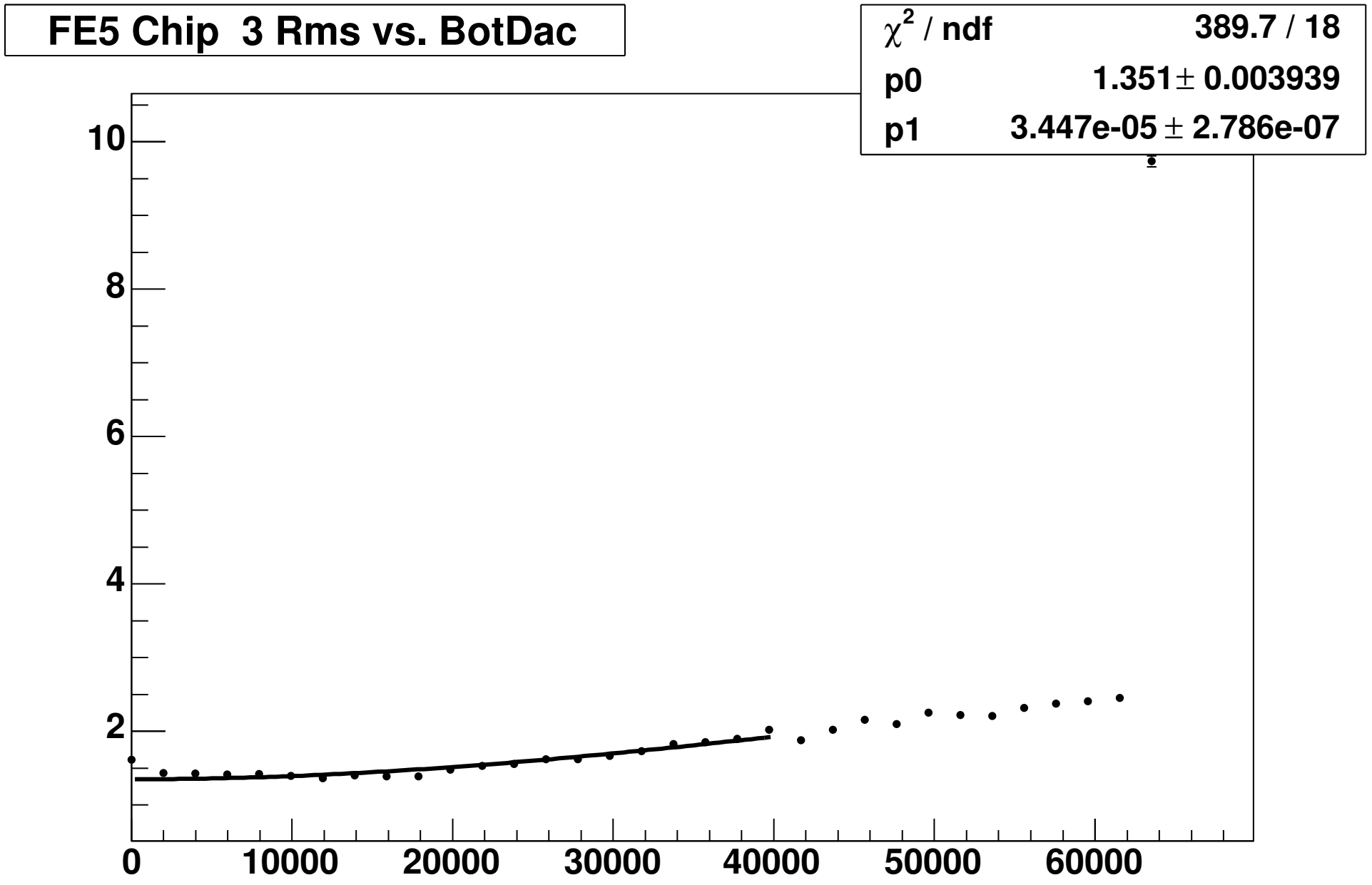

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 5.727e+04 / 18
p0 60.07 ± 0.007366
p1 0.45 ± 3.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

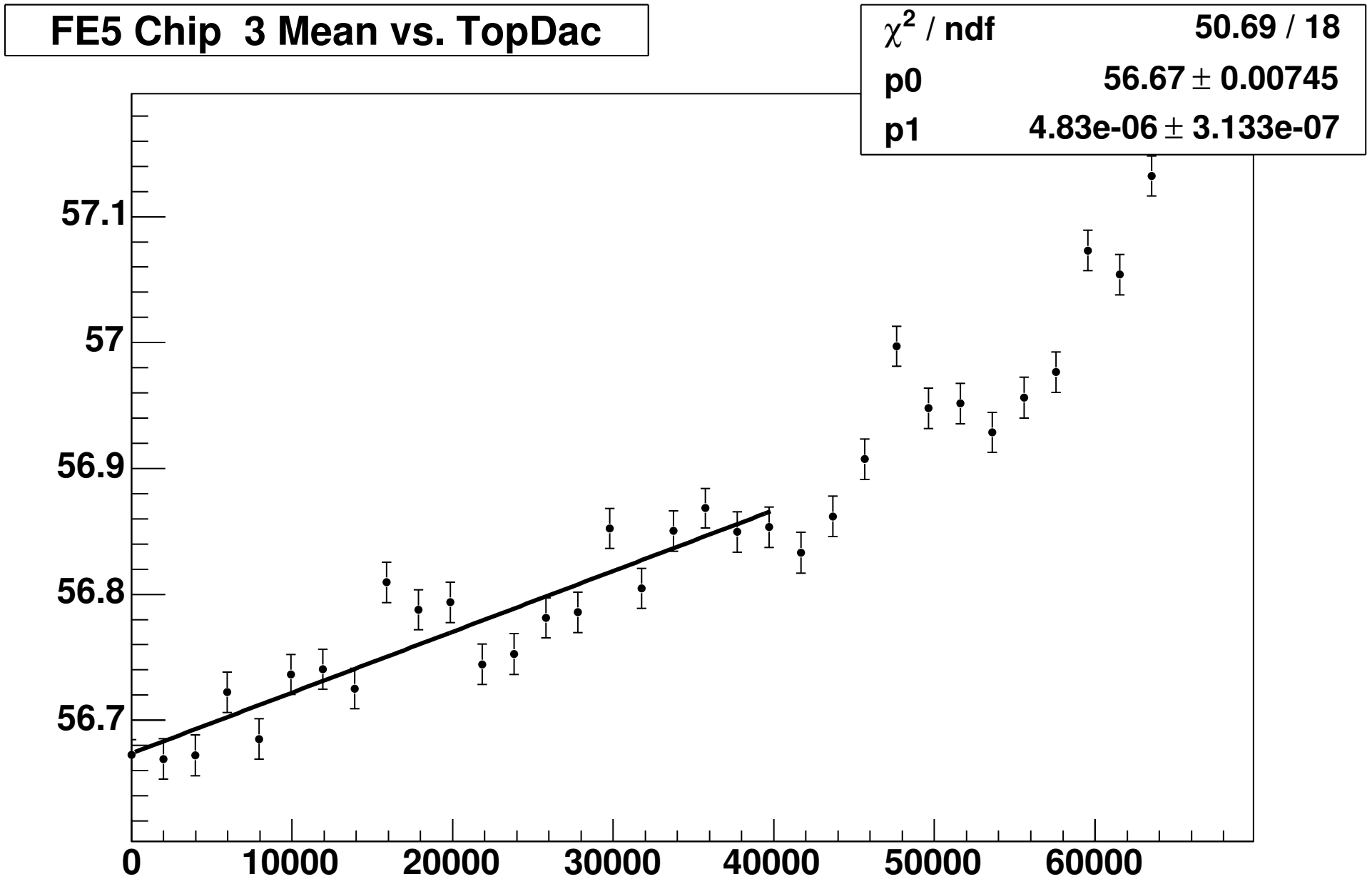

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 454.9 / 18
p0 1.378 ± 0.003989
p1 3.406e-05 ± 2.87e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

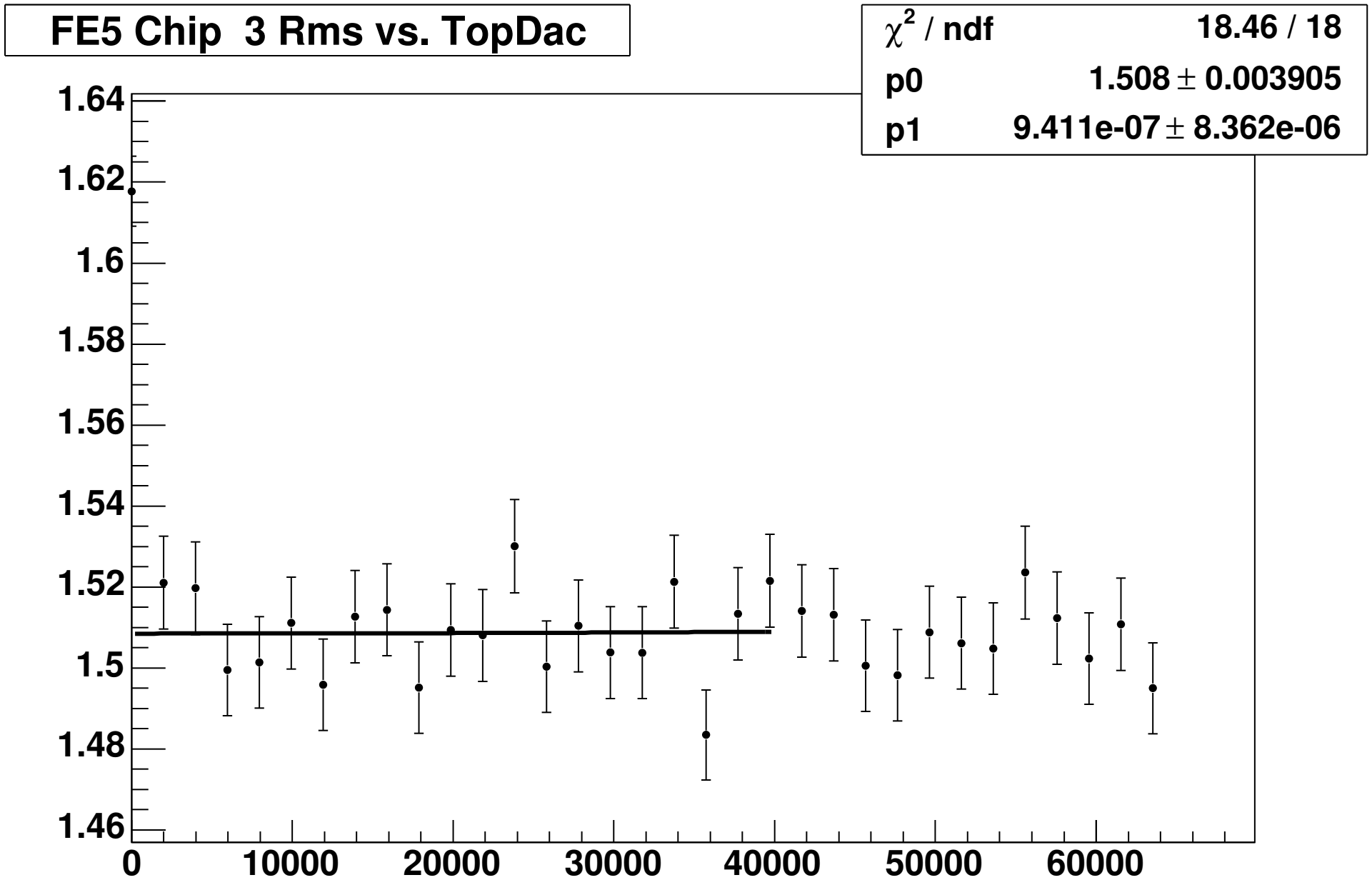

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 55.91 / 18
p0 58.35 ± 0.007269
p1 4.722e-06 ± 3.061e-07
58.8
58.7
58.6
58.5
58.4
58.3
0
10000
20000
30000
40000
50000
60000

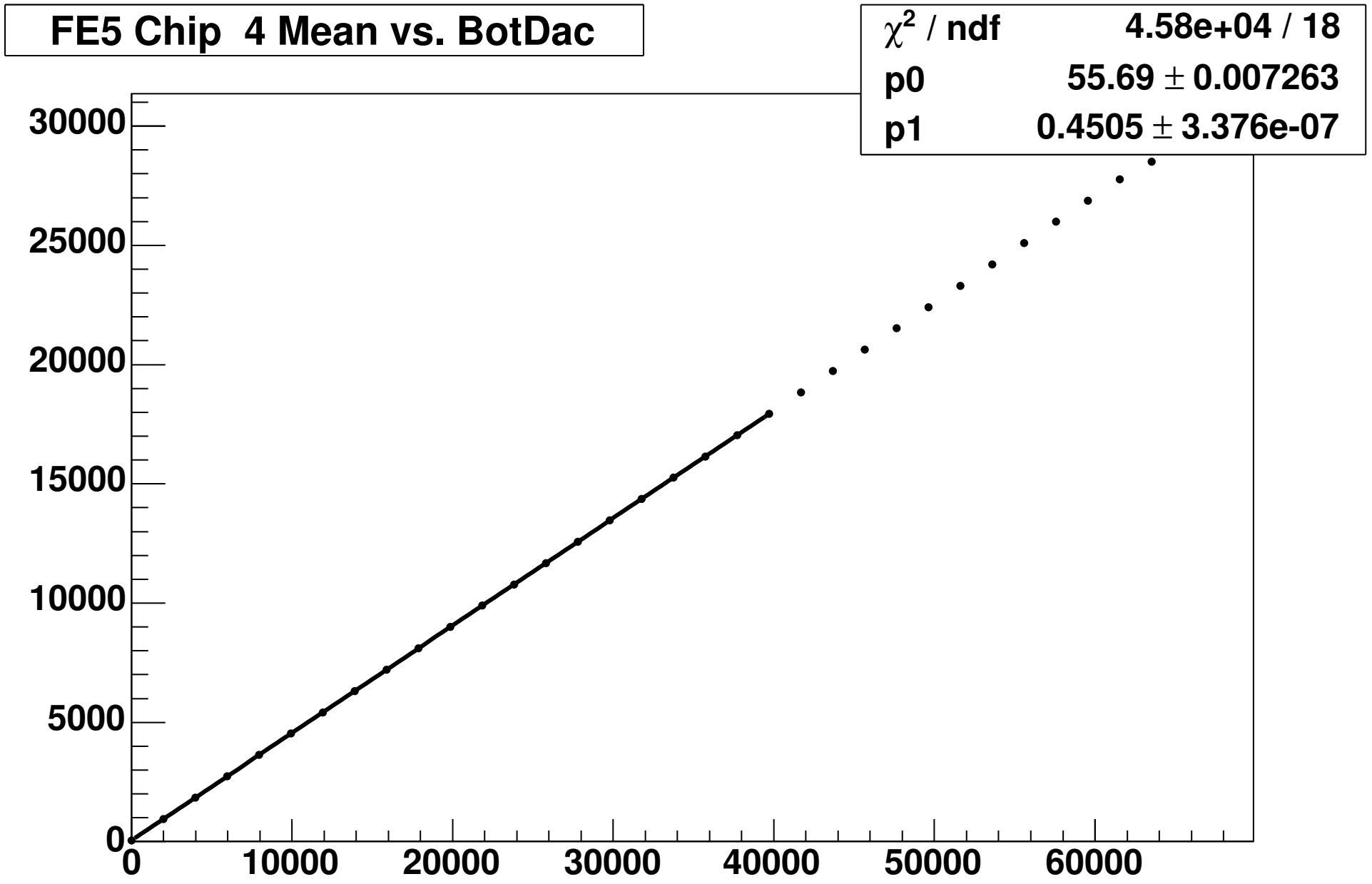

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 20.69 / 18
p0 1.472 ± 0.003784
p1 3.815e-06 ± 1.957e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

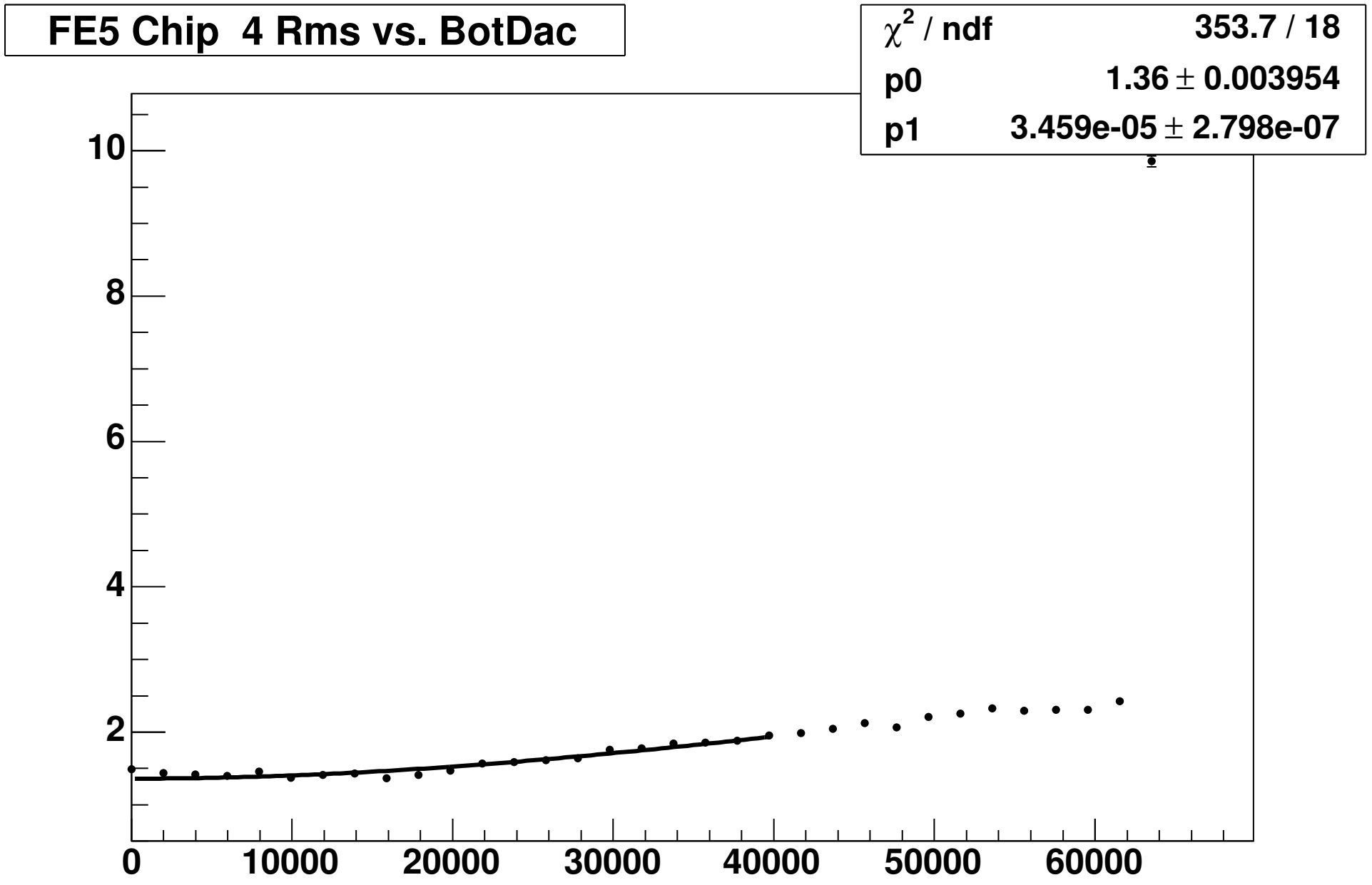

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 5.111e+04 / 18
p0 58.29 ± 0.007263
p1 0.45 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

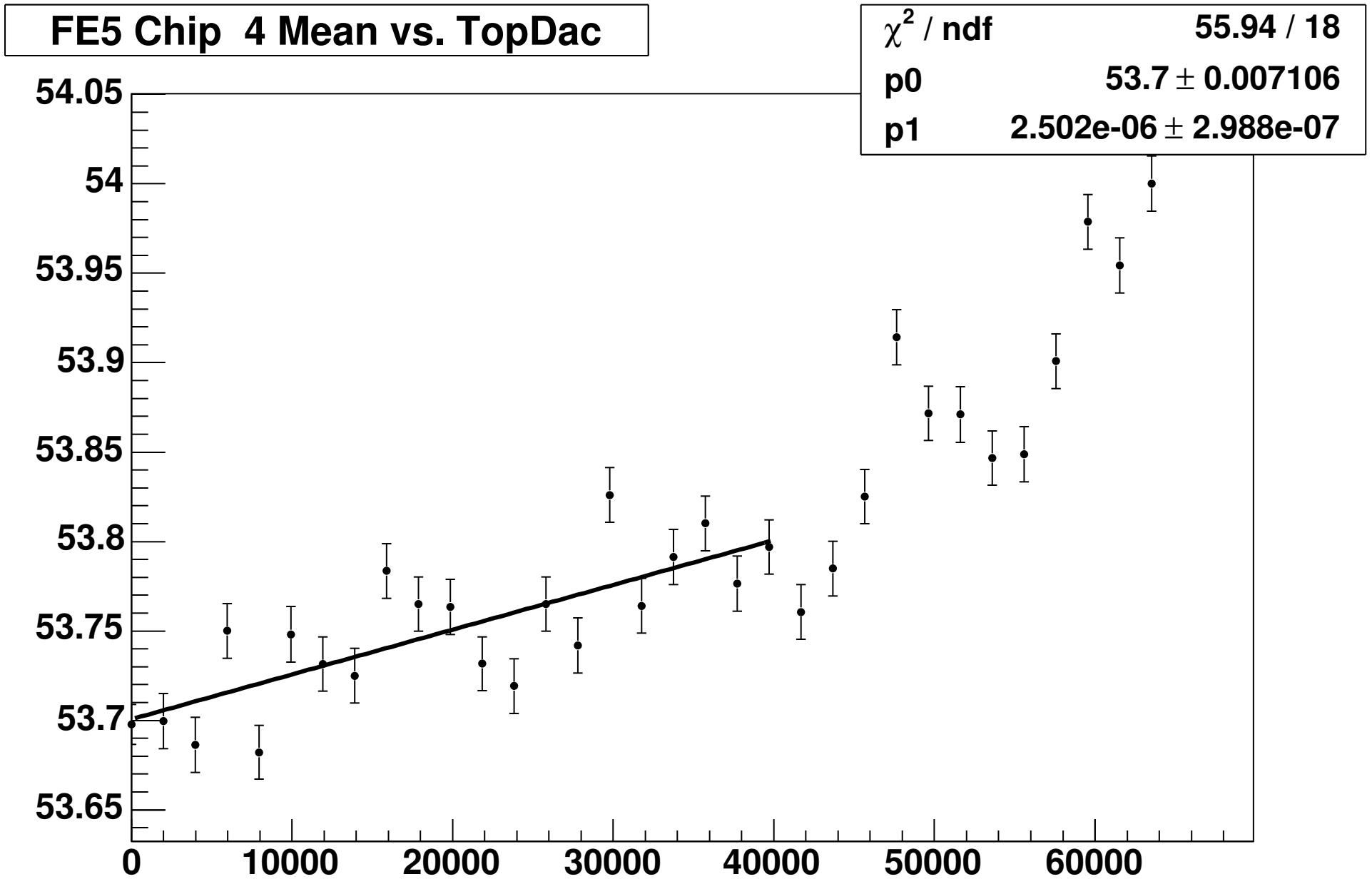

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 389.7 / 18
p0 1.351 ± 0.003939
p1 3.447e-05 ± 2.786e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

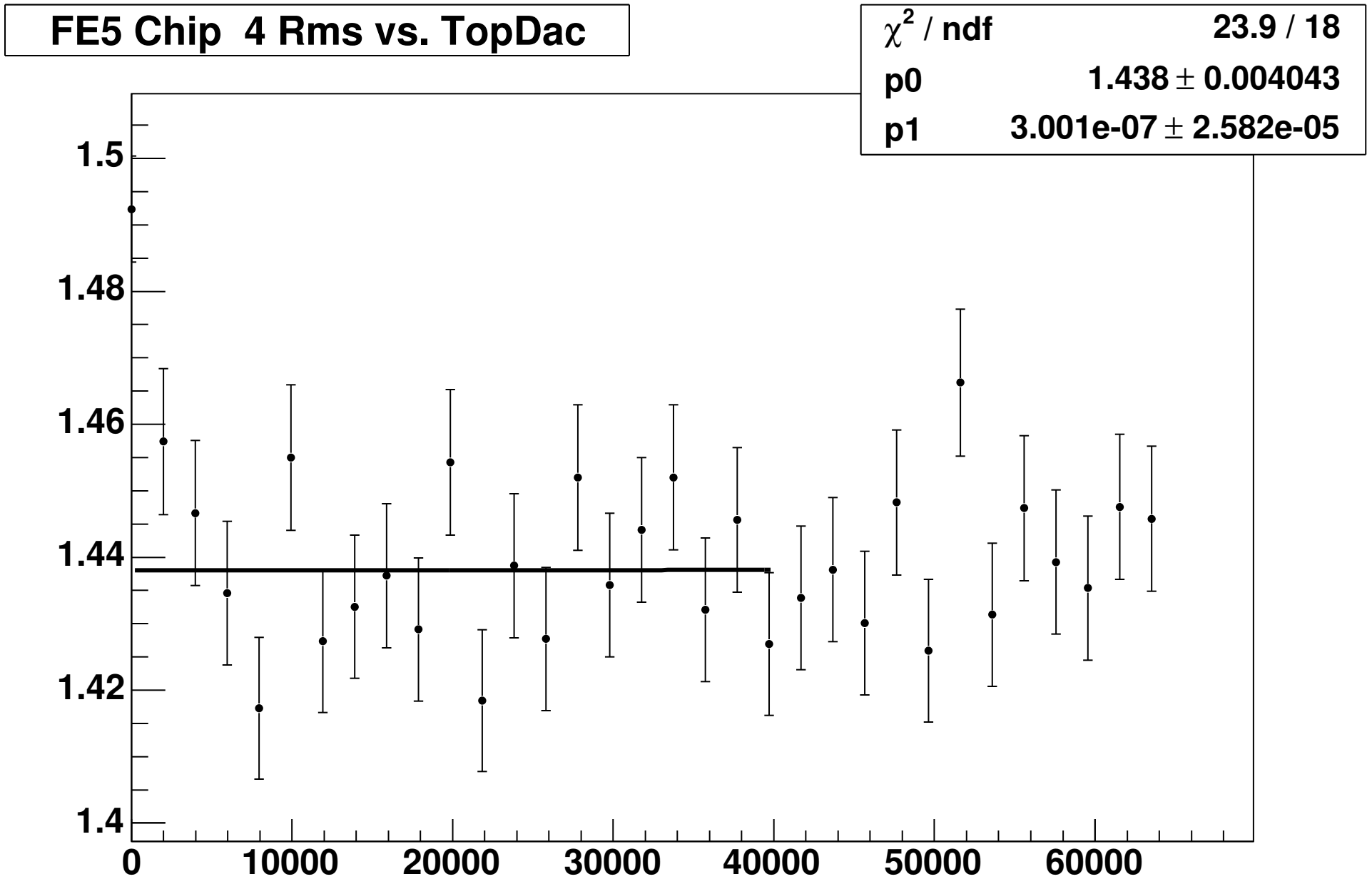

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 50.69 / 18
p0 56.67 ± 0.00745
p1 4.83e-06 ± 3.133e-07
57.1
57
56.9
56.8
56.7
0
10000
20000
30000
40000
50000
60000

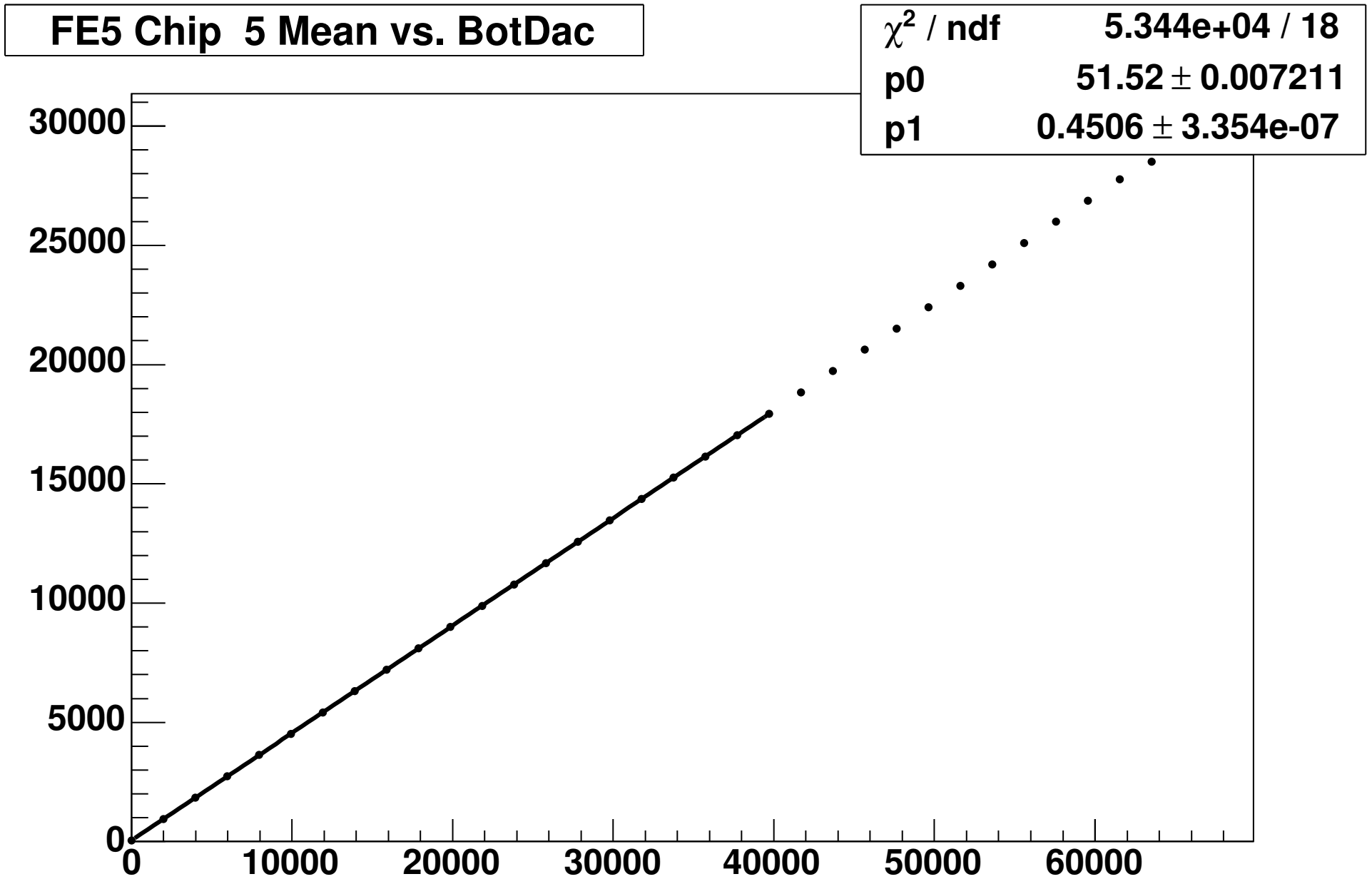

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 18.46 / 18
p0 1.508 ± 0.003905
p1 9.411e-07 ± 8.362e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

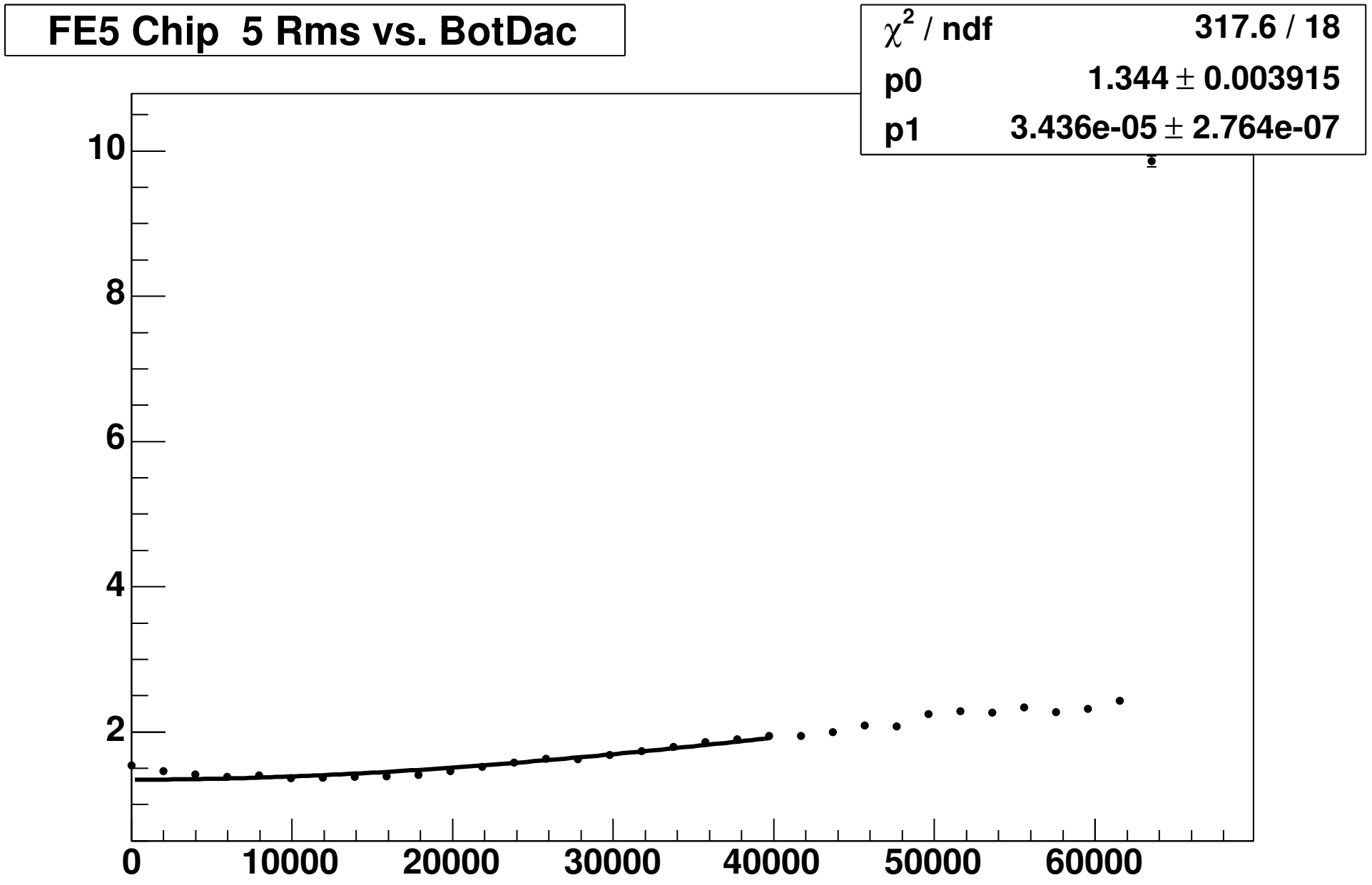

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 4.58e+04 / 18
p0 55.69 ± 0.007263
p1 0.4505 ± 3.376e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

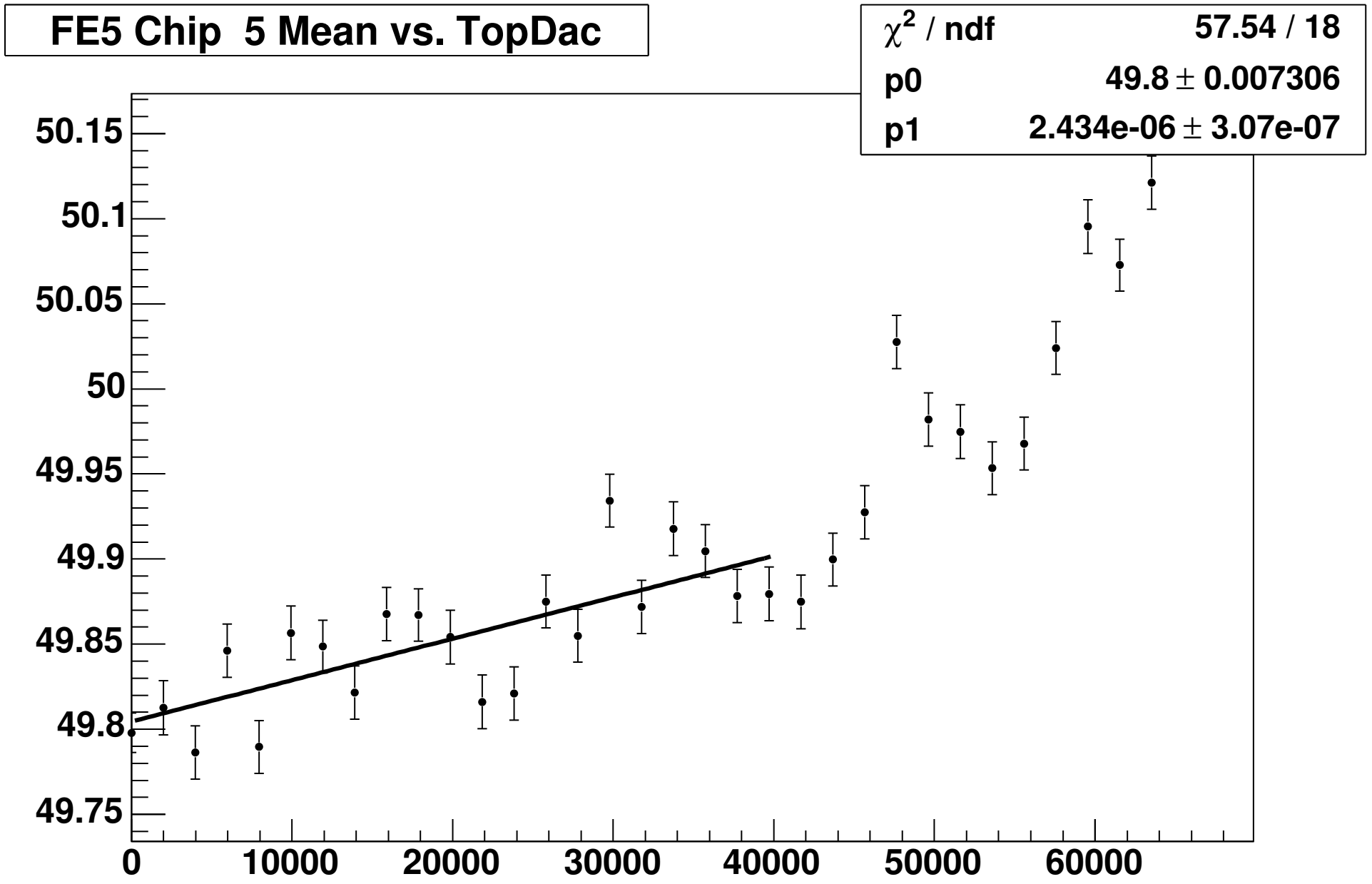

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 353.7 / 18
p0 1.36 ± 0.003954
p1 3.459e-05 ± 2.798e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

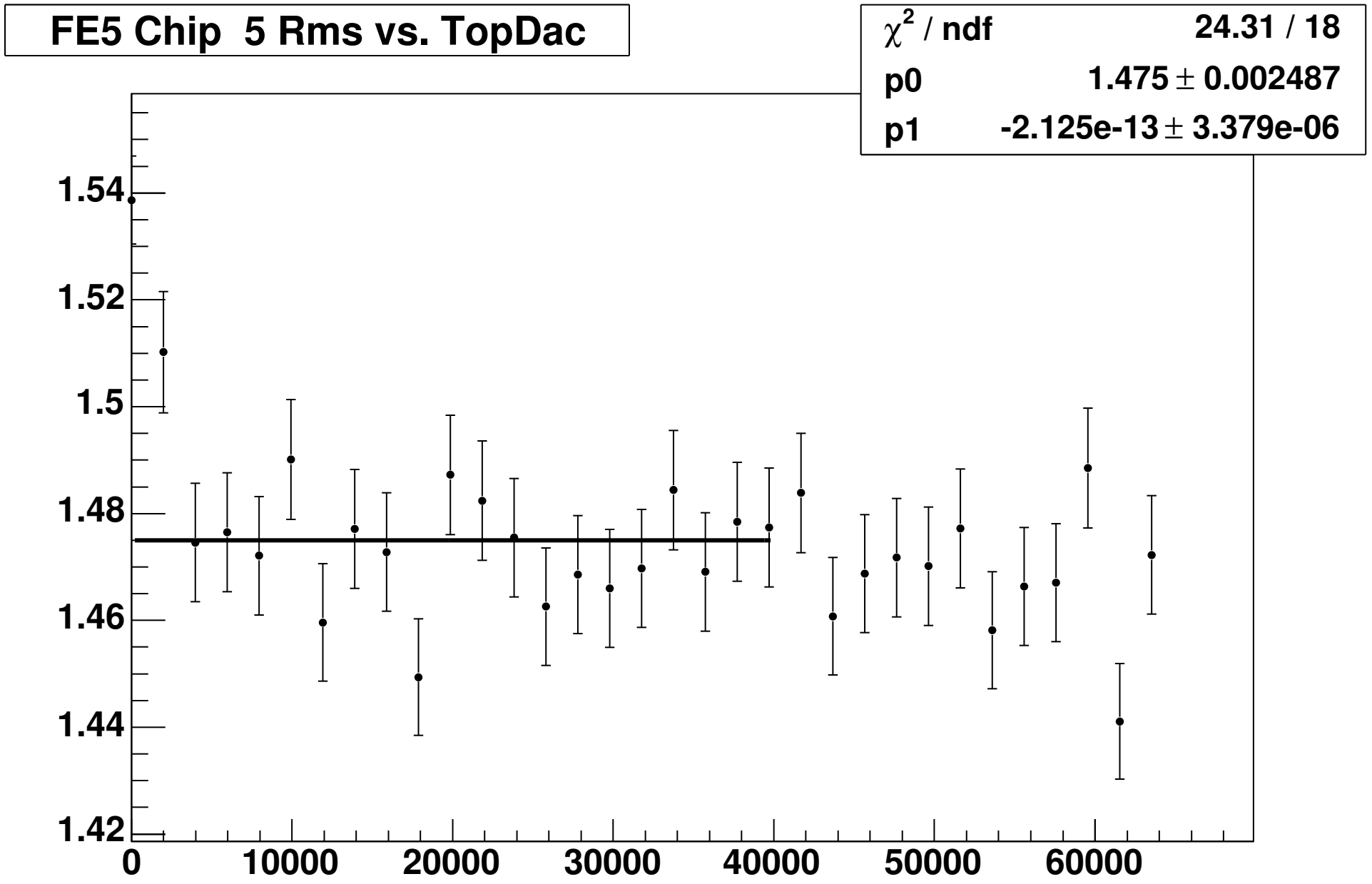

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 55.94 / 18
p0 53.7 ± 0.007106
p1 2.502e-06 ± 2.988e-07
54.05
54
53.95
53.9
53.85
53.8
53.75
53.7
53.65
0
10000
20000
30000
40000
50000
60000

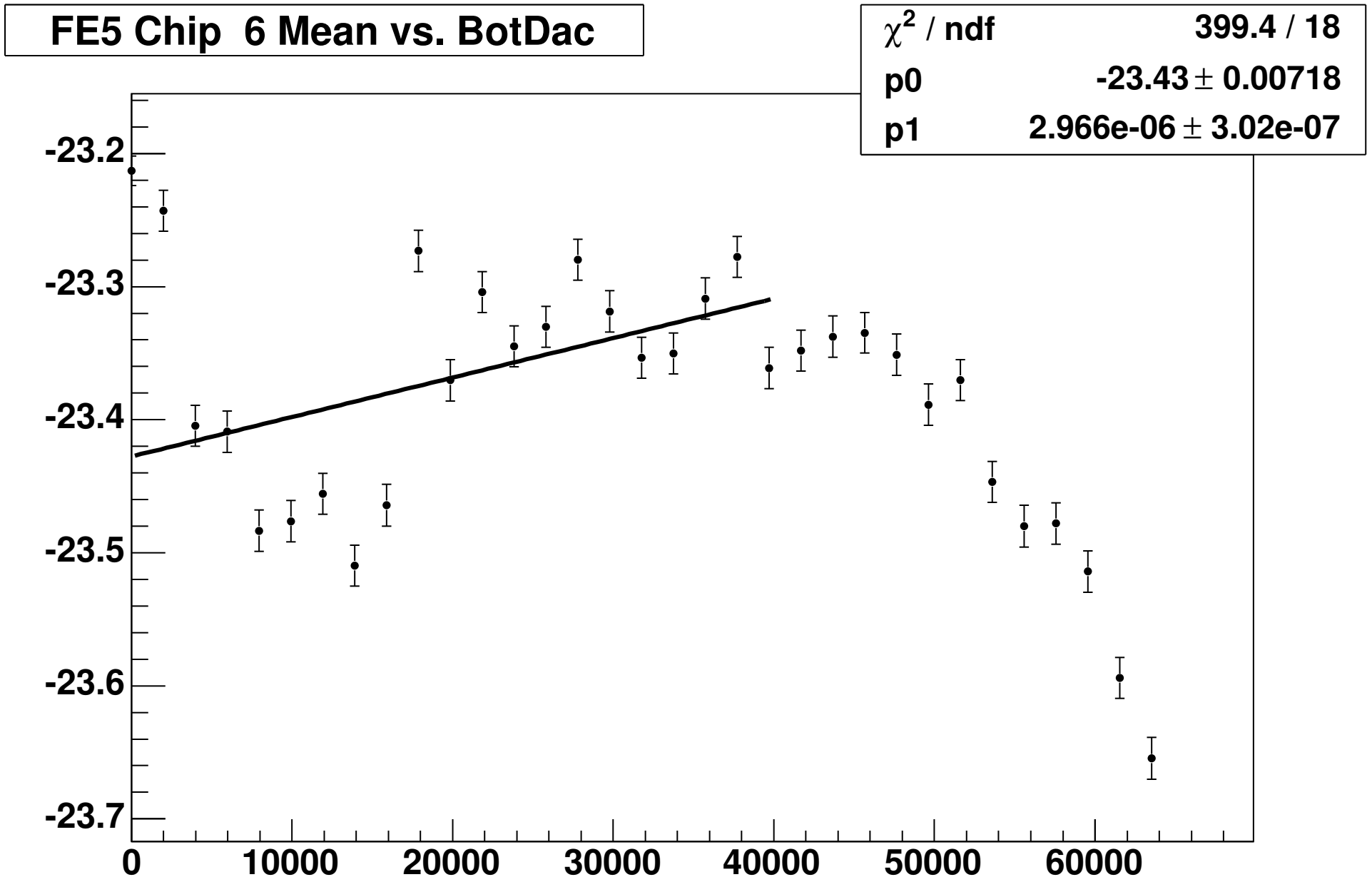

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 23.9 / 18
p0 1.438 ± 0.004043
p1 3.001e-07 ± 2.582e-05
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

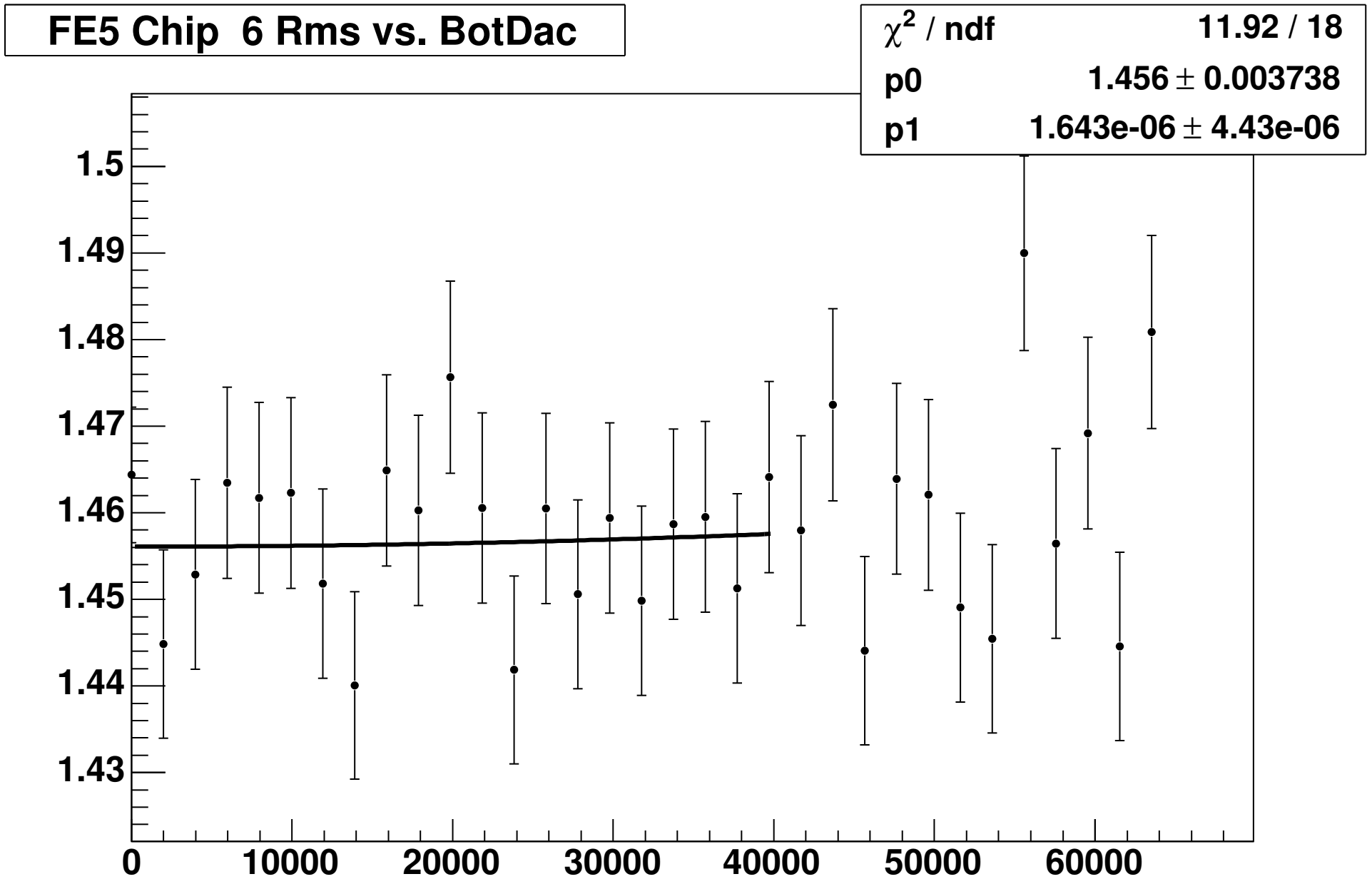

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 5.344e+04 / 18
p0 51.52 ± 0.007211
p1 0.4506 ± 3.354e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

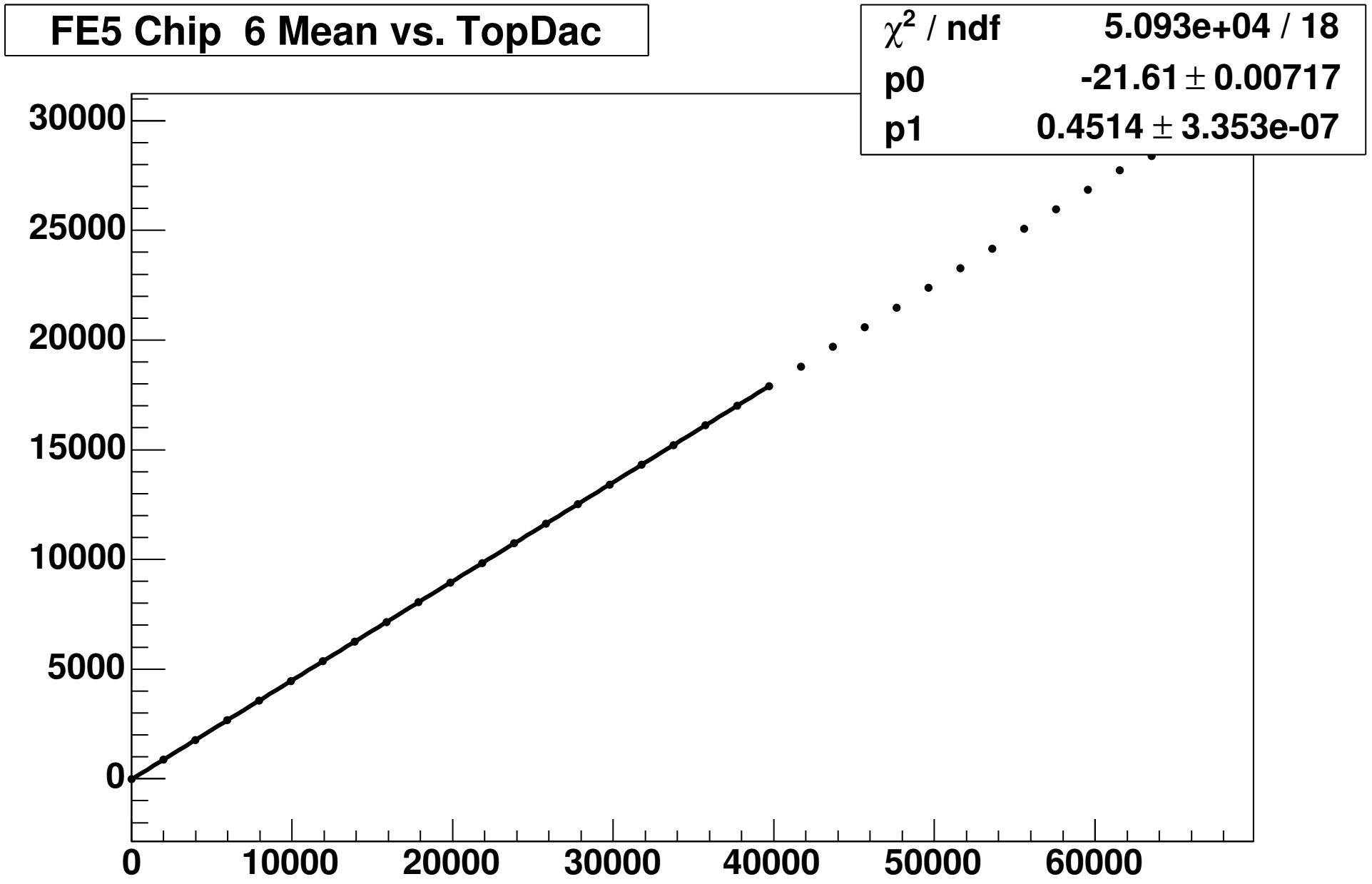

FE5 Chip 5 Rms vs. BotDac
χ² / ndf 317.6 / 18
p0 1.344 ± 0.003915
p1 3.436e-05 ± 2.764e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

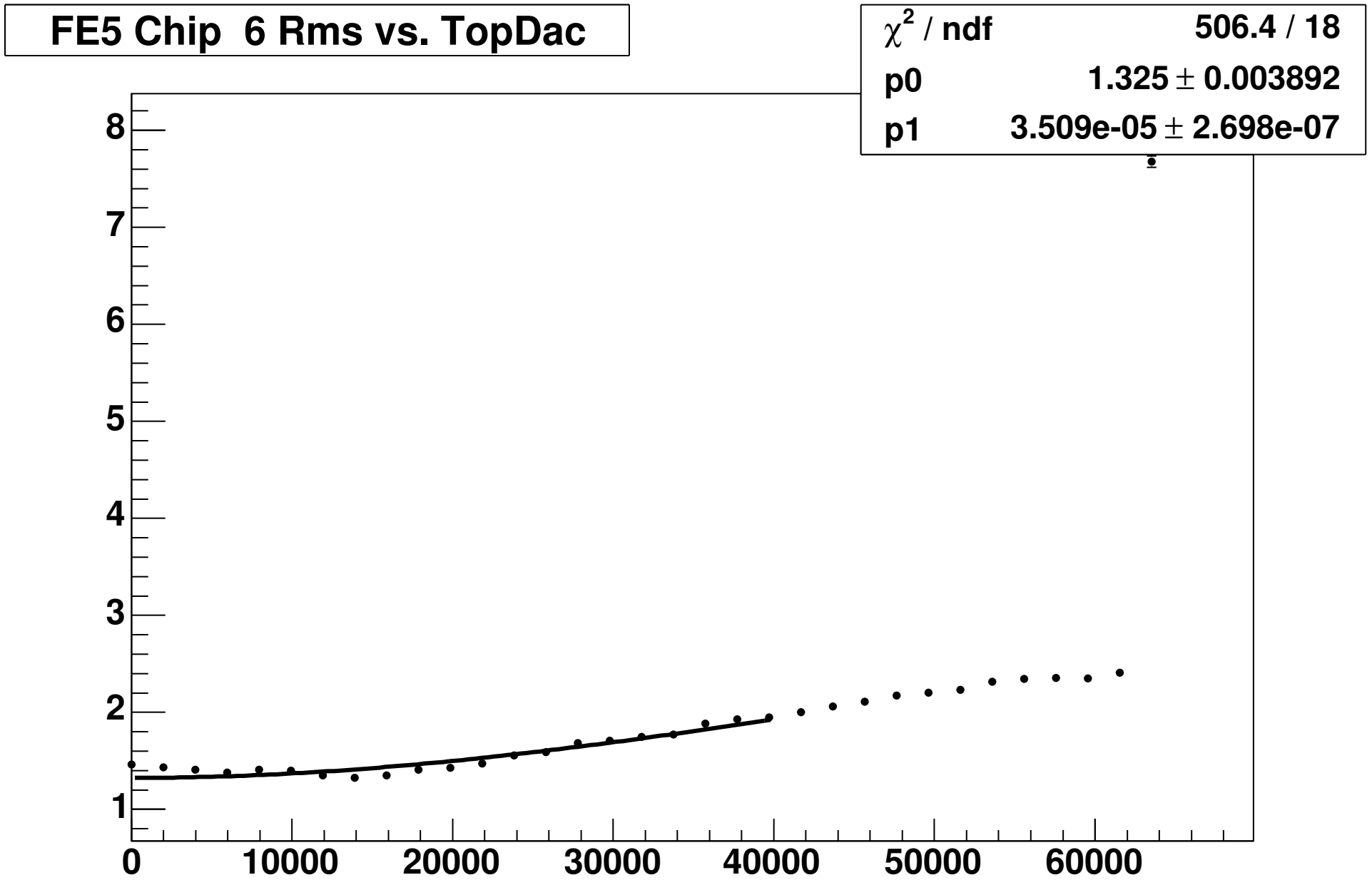

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 57.54 / 18
p0 49.8 ± 0.007306
p1 2.434e-06 ± 3.07e-07
50.15
50.1
50.05
50
49.95
49.9
49.85
49.8
49.75
0
10000
20000
30000
40000
50000
60000

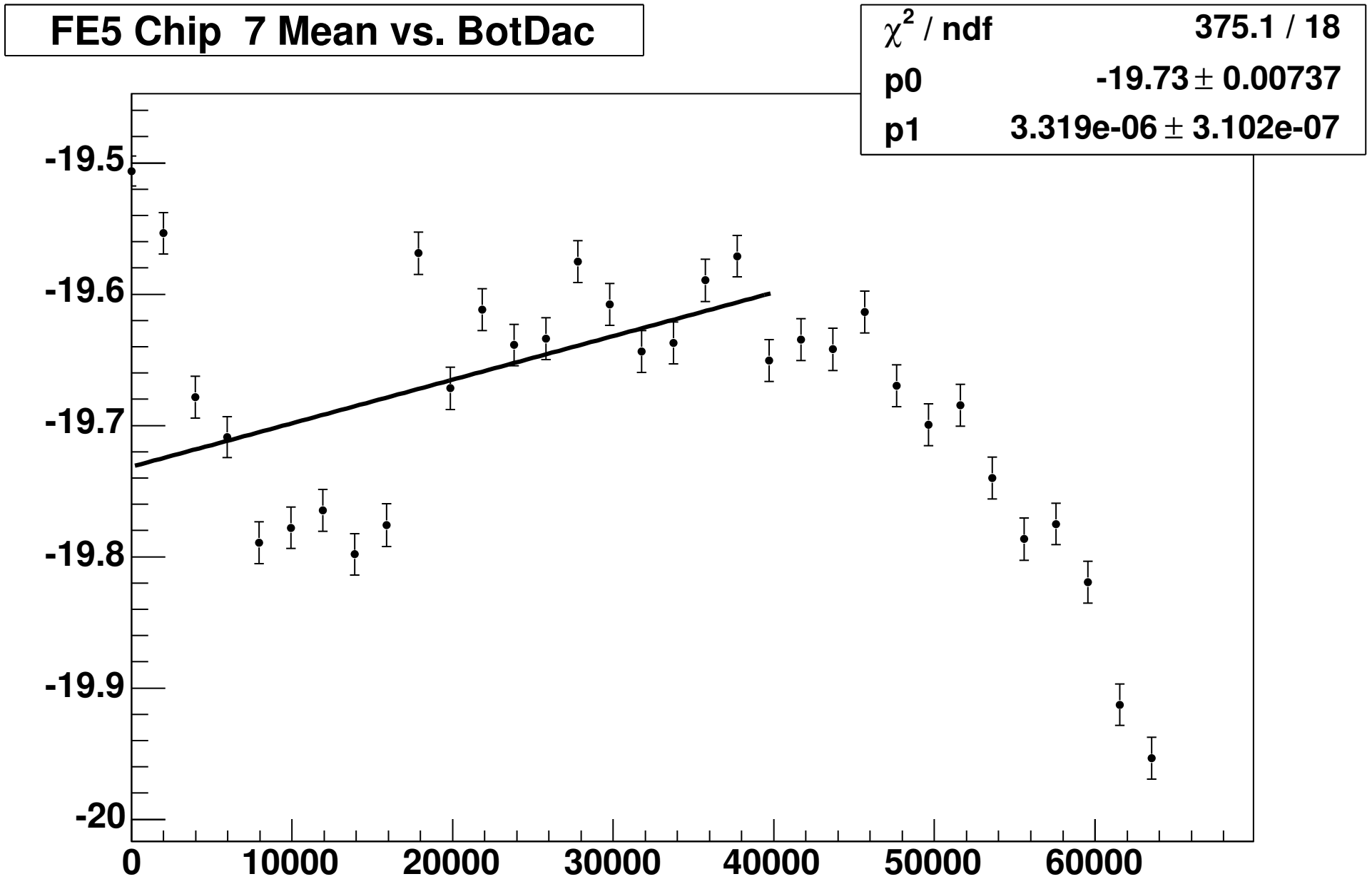

FE5 Chip 5 Rms vs. TopDac
χ² / ndf 24.31 / 18
p0 1.475 ± 0.002487
p1 -2.125e-13 ± 3.379e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

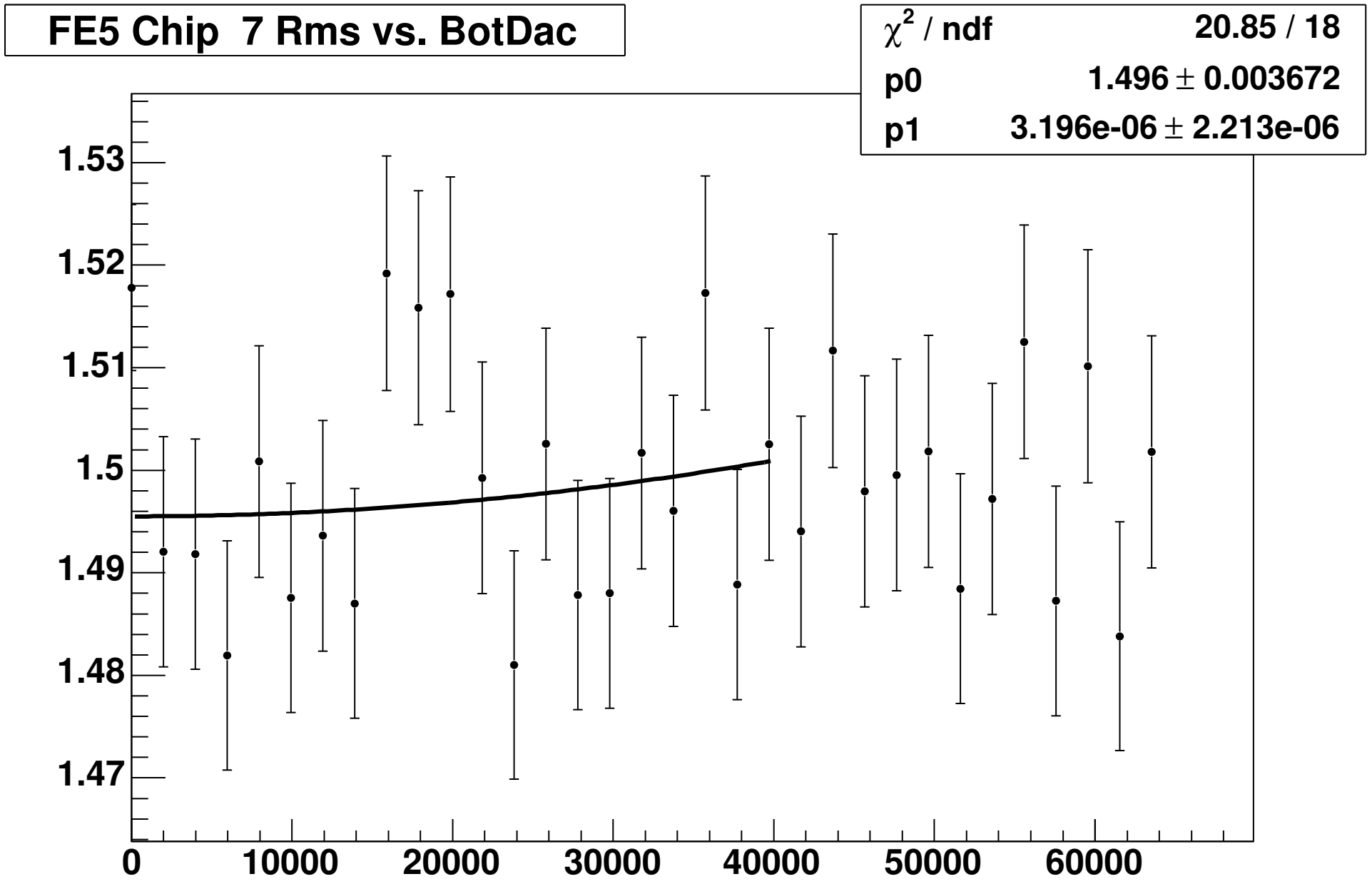

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 399.4 / 18
p0 -23.43 ± 0.00718
p1 2.966e-06 ± 3.02e-07
-23.2
-23.3
-23.4
-23.5
-23.6
-23.7
0
10000
20000
30000
40000
50000
60000

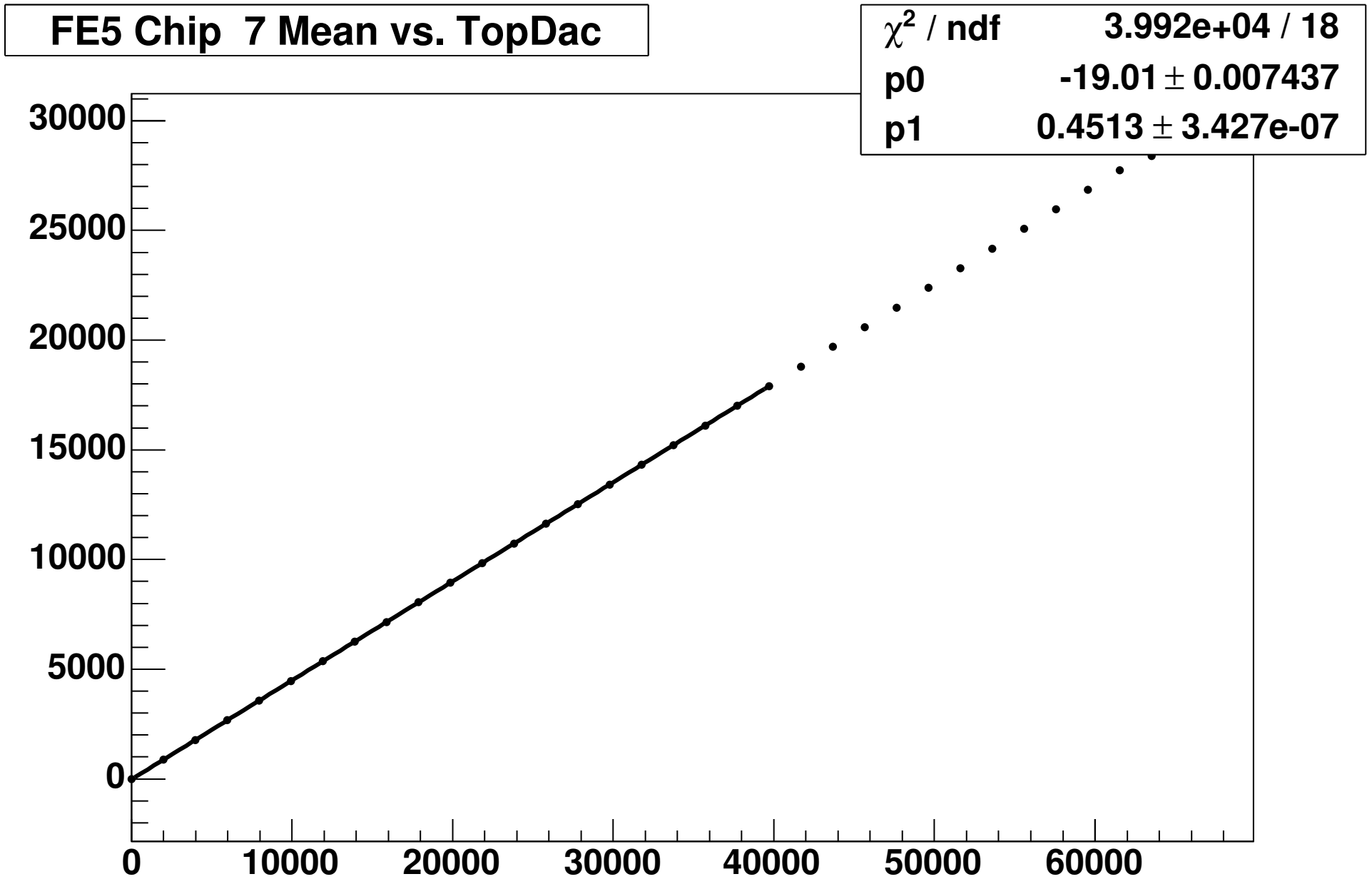

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 11.92 / 18
p0 1.456 ± 0.003738
p1 1.643e-06 ± 4.43e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

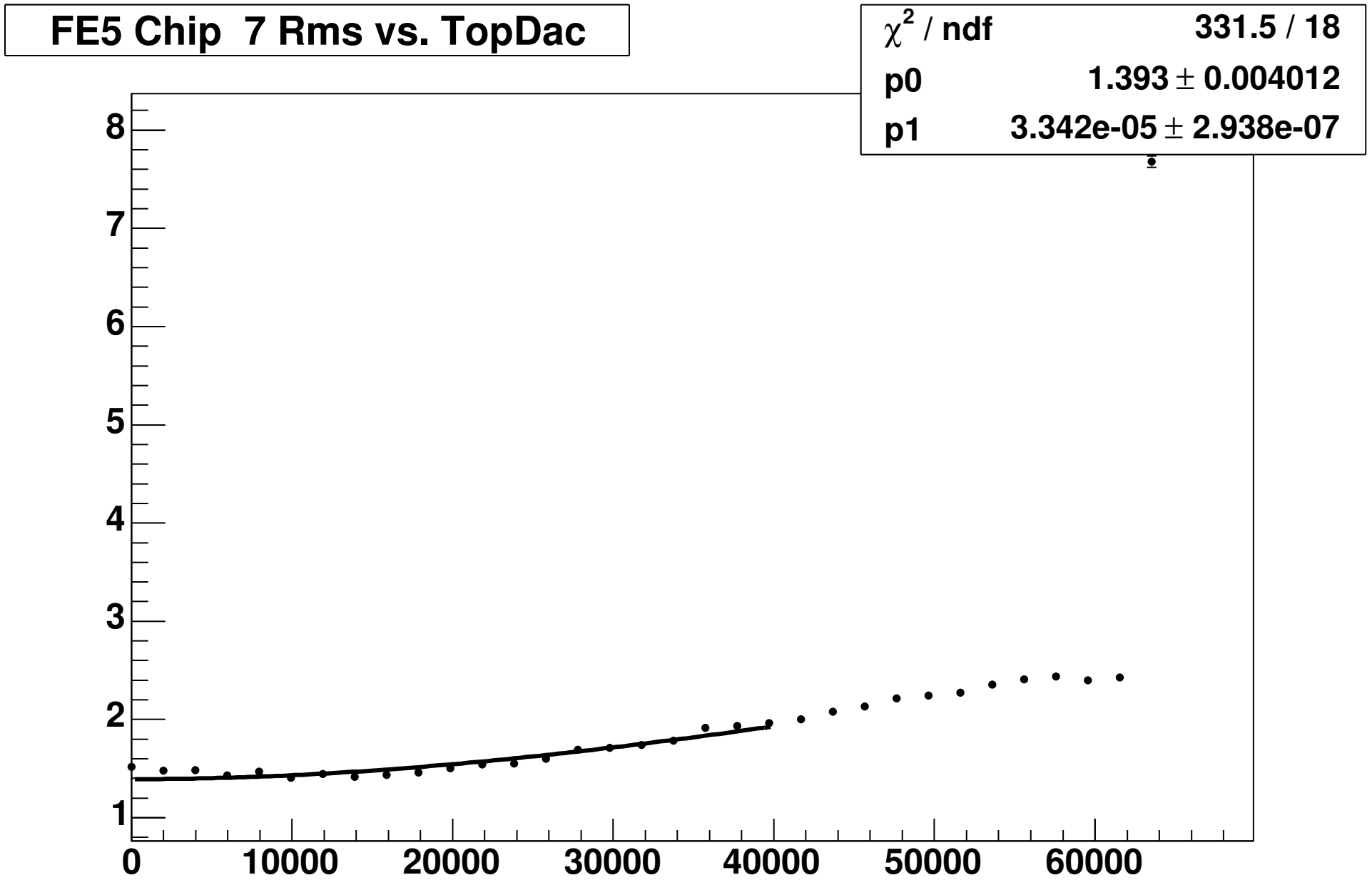

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 5.093e+04 / 18
p0 -21.61 ± 0.00717
p1 0.4514 ± 3.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

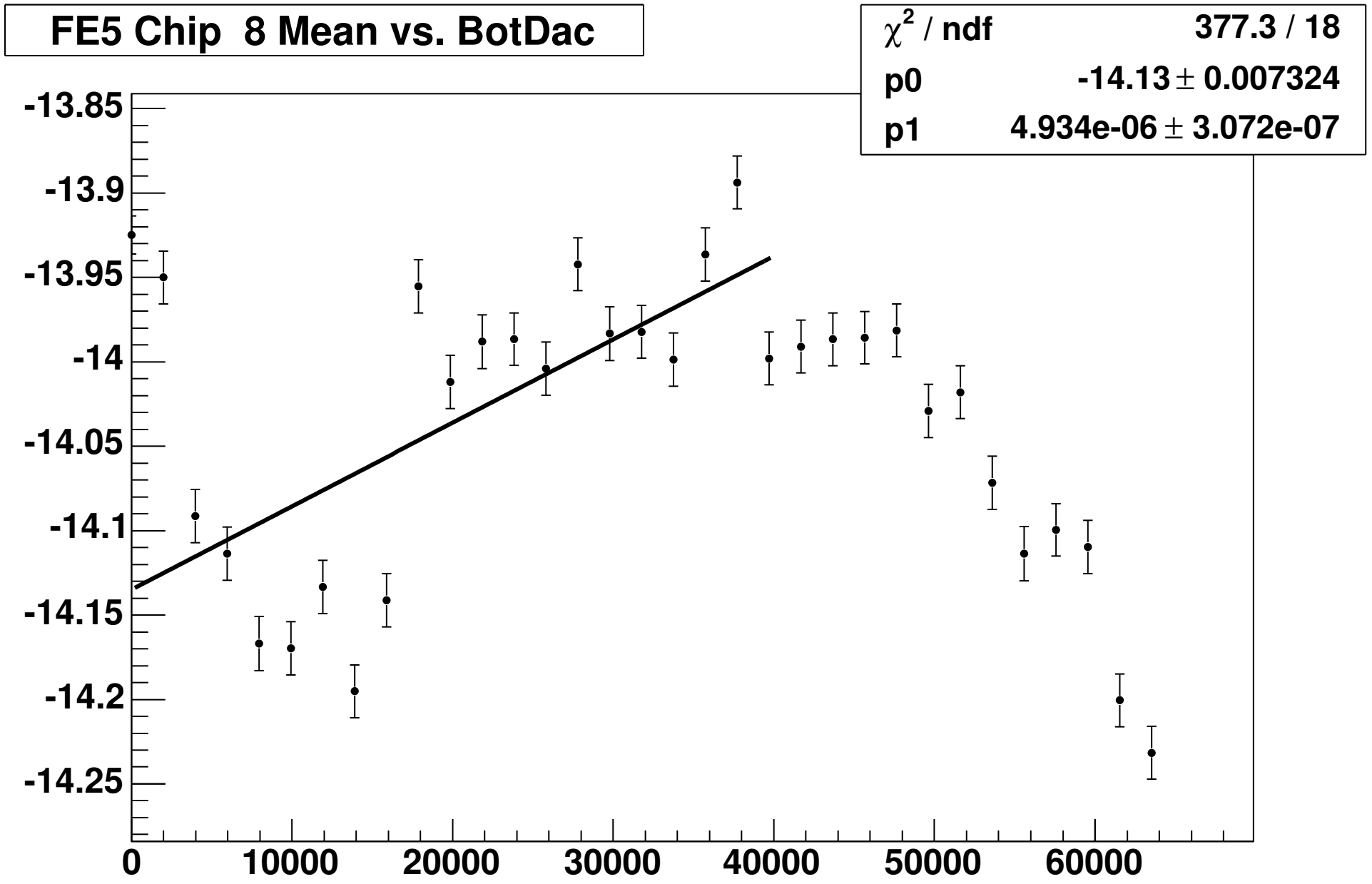

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 506.4 / 18
p0 1.325 ± 0.003892
p1 3.509e-05 ± 2.698e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

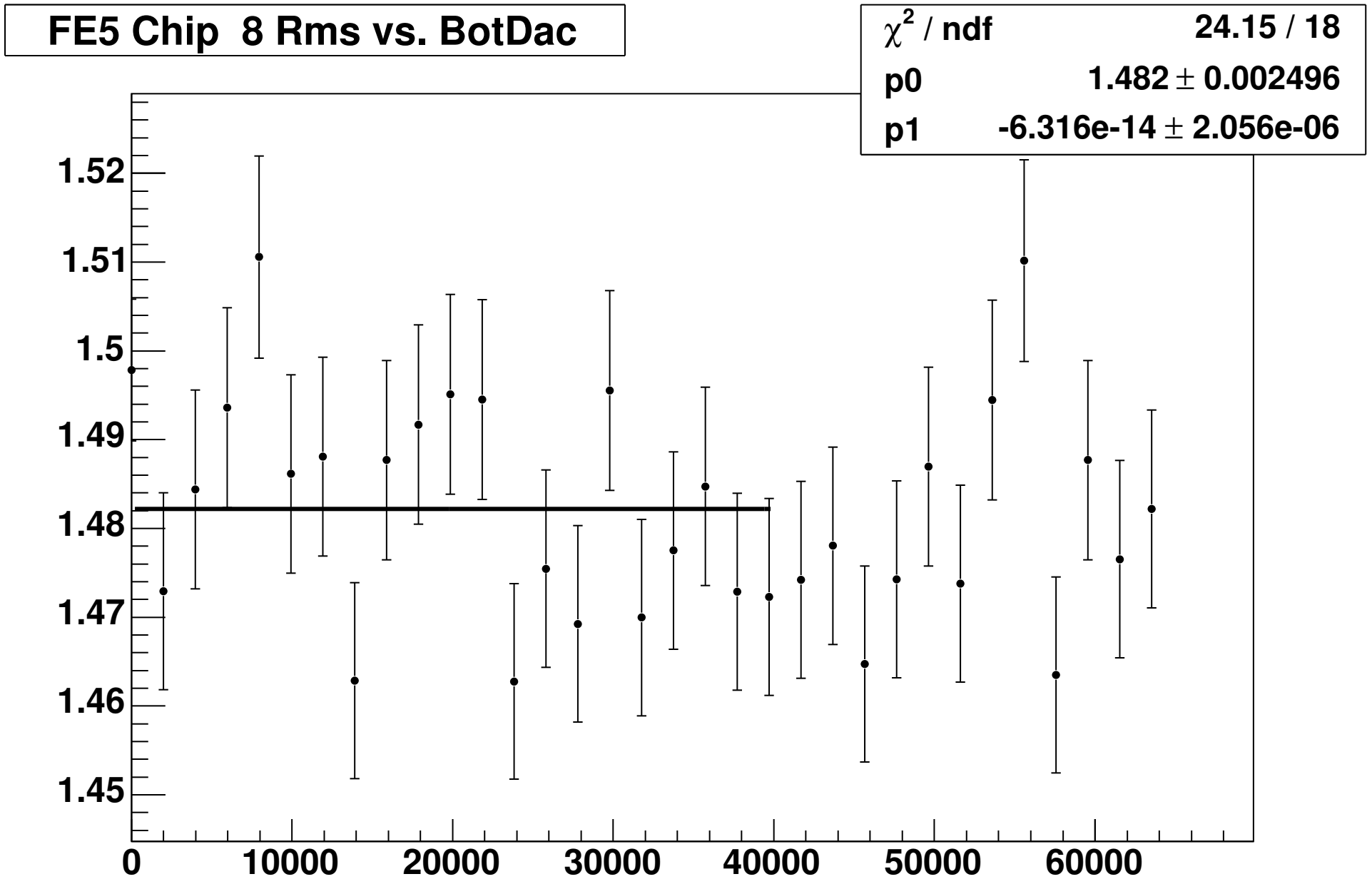

FE5 Chip 7 Mean vs. BotDac
χ^2 / ndf 375.1 / 18
p0 -19.73 ± 0.00737
p1 3.319e-06 ± 3.102e-07
-19.5
-19.6
-19.7
-19.8
-19.9
-20
0
10000
20000
30000
40000
50000
60000

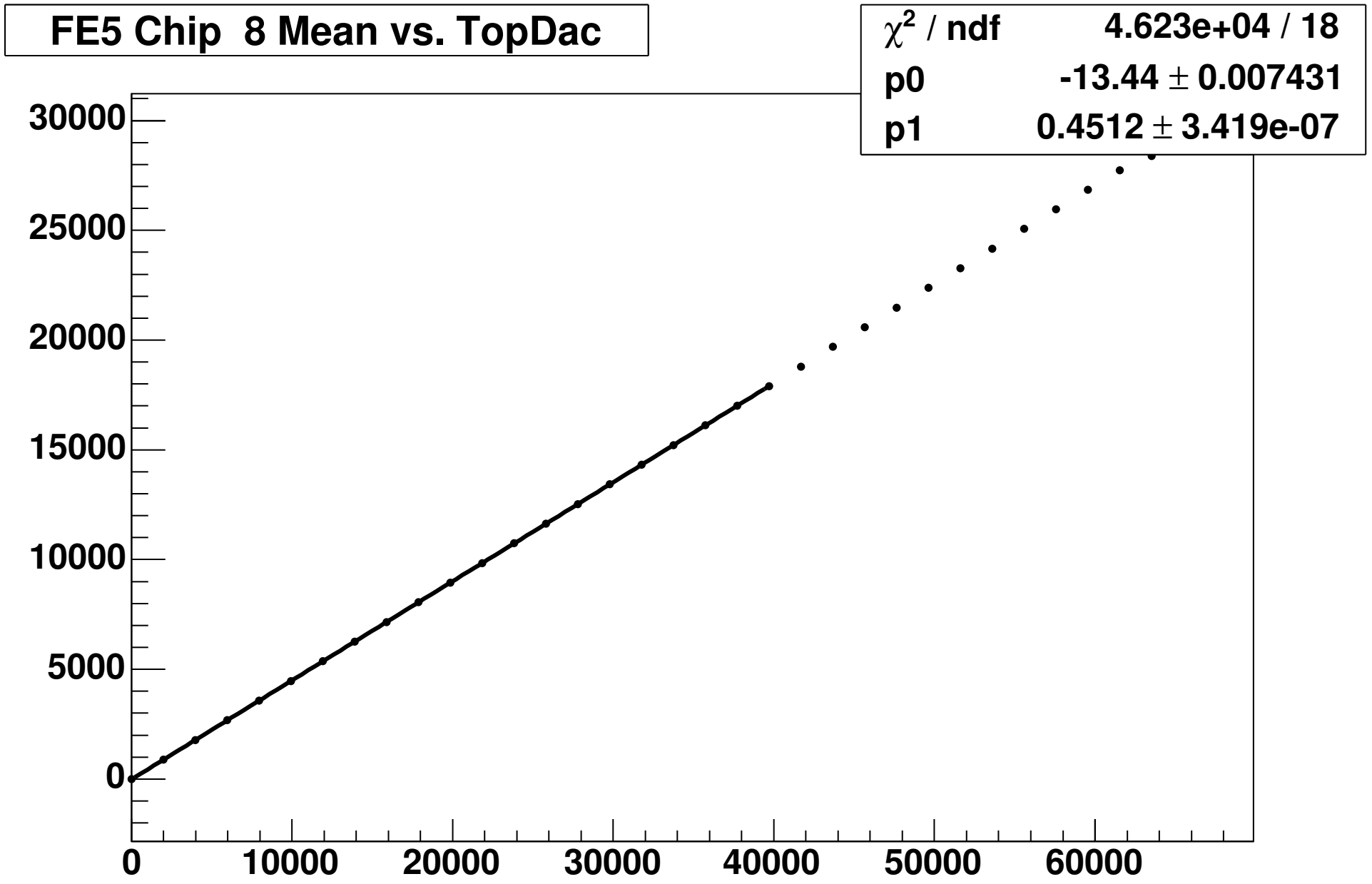

FE5 Chip 7 Rms vs. BotDac
χ^2 / ndf 20.85 / 18
p0 1.496 ± 0.003672
p1 3.196e-06 ± 2.213e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

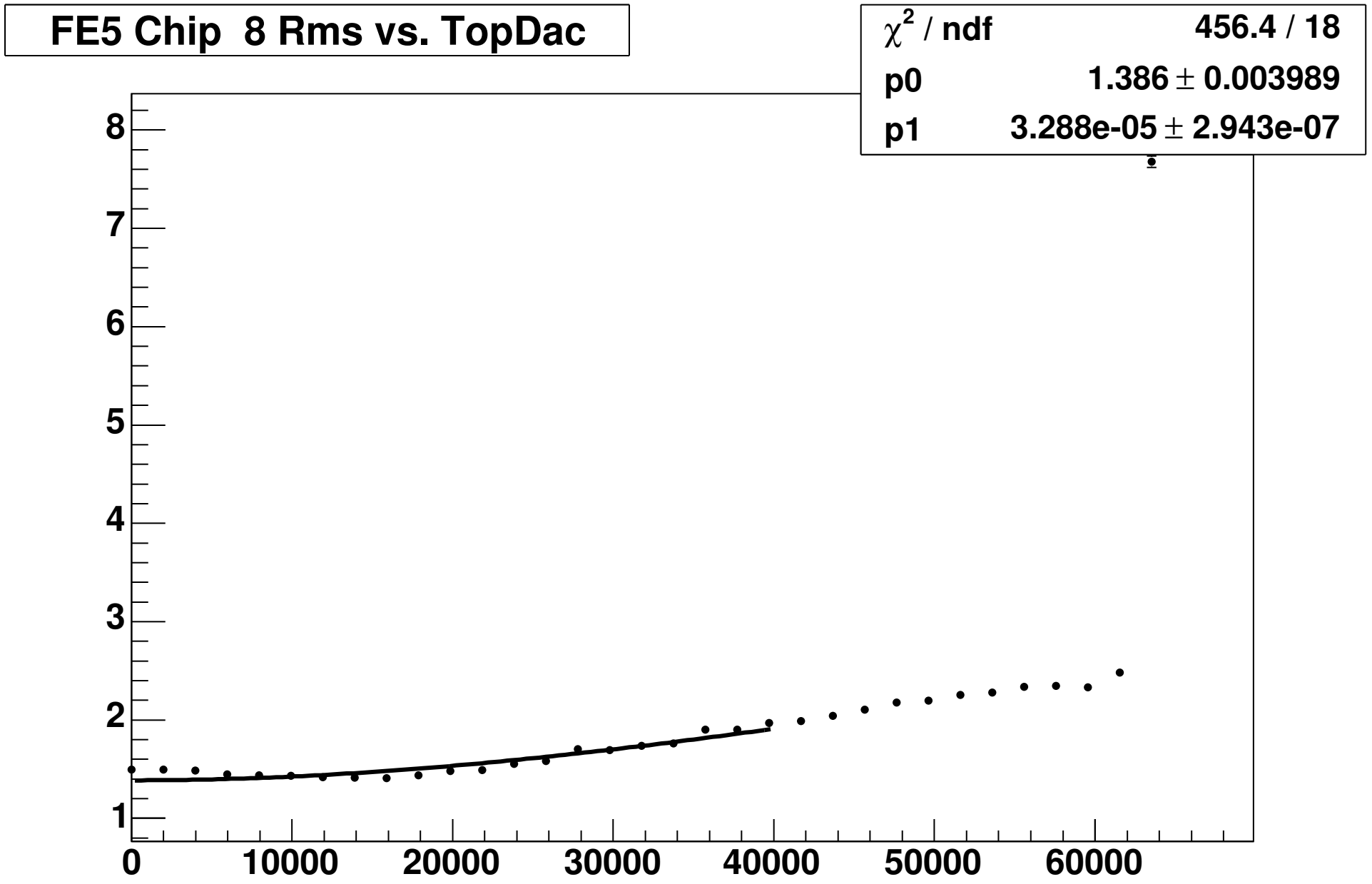

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 3.992e+04 / 18
p0 -19.01 ± 0.007437
p1 0.4513 ± 3.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

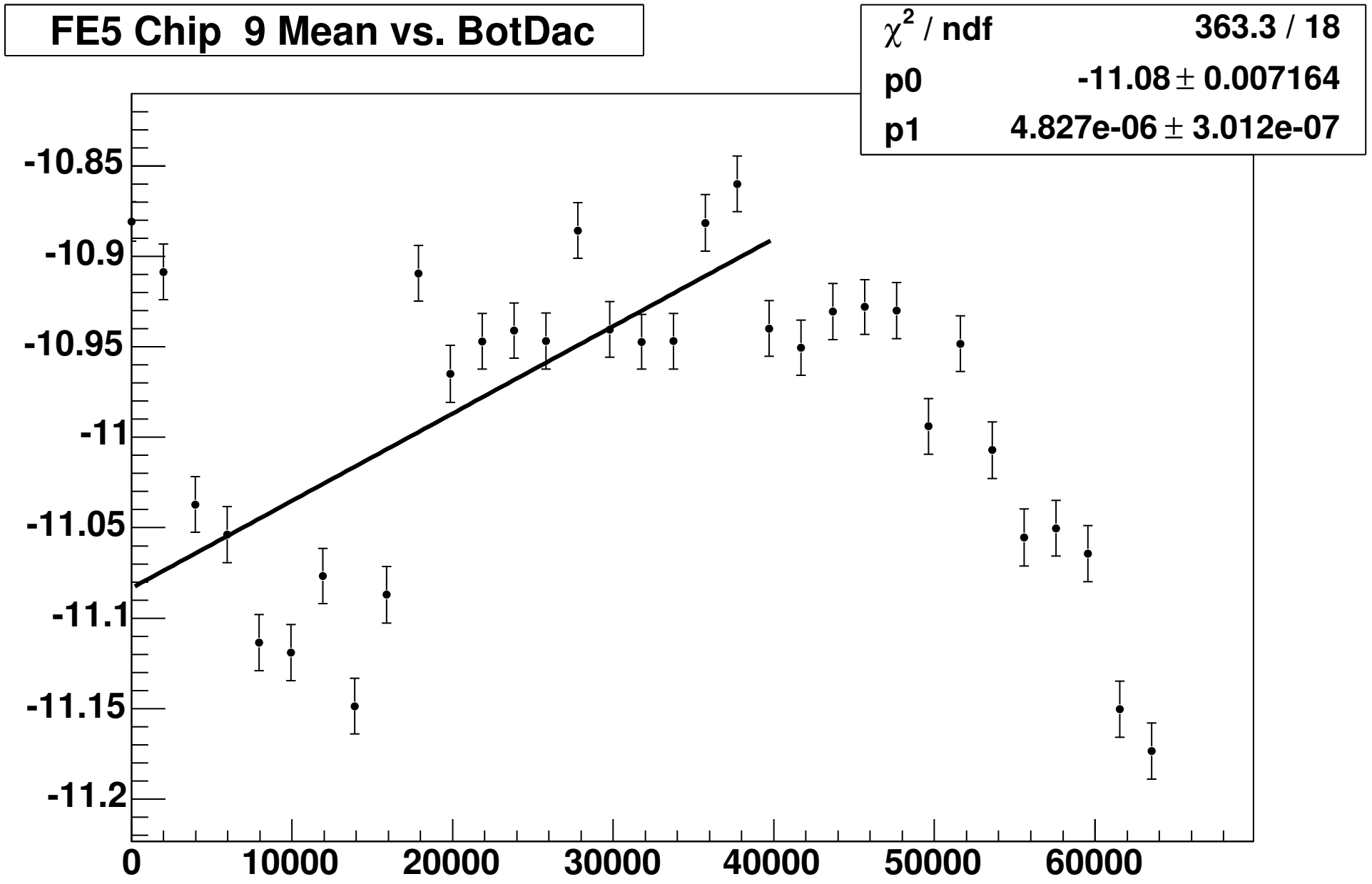

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 331.5 / 18
p0 1.393 ± 0.004012
p1 3.342e-05 ± 2.938e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

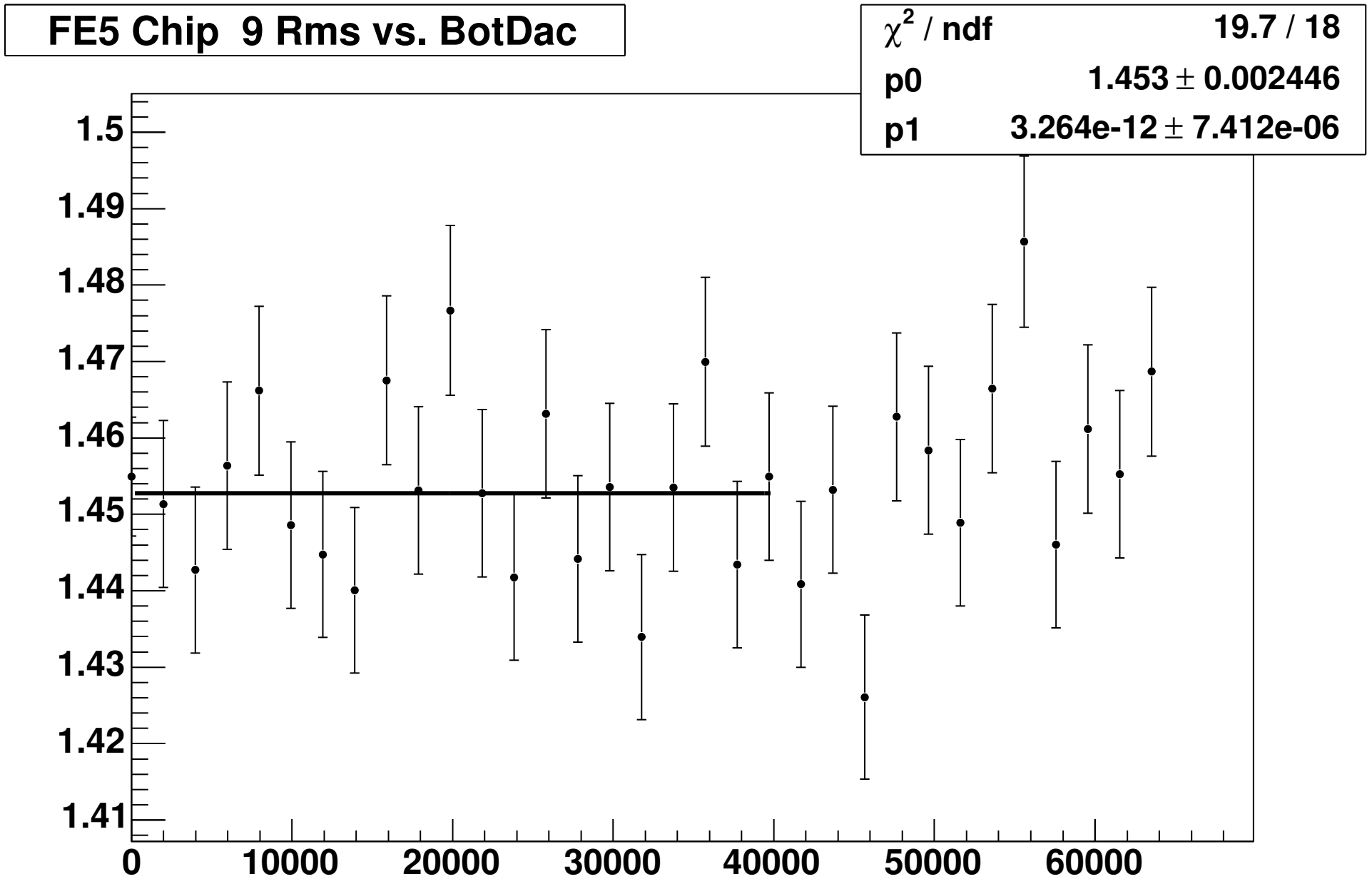

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 377.3 / 18
p0 -14.13 ± 0.007324
p1 4.934e-06 ± 3.072e-07
-13.85
-13.9
-13.95
-14
-14.05
-14.1
-14.15
-14.2
-14.25
0
10000
20000
30000
40000
50000
60000

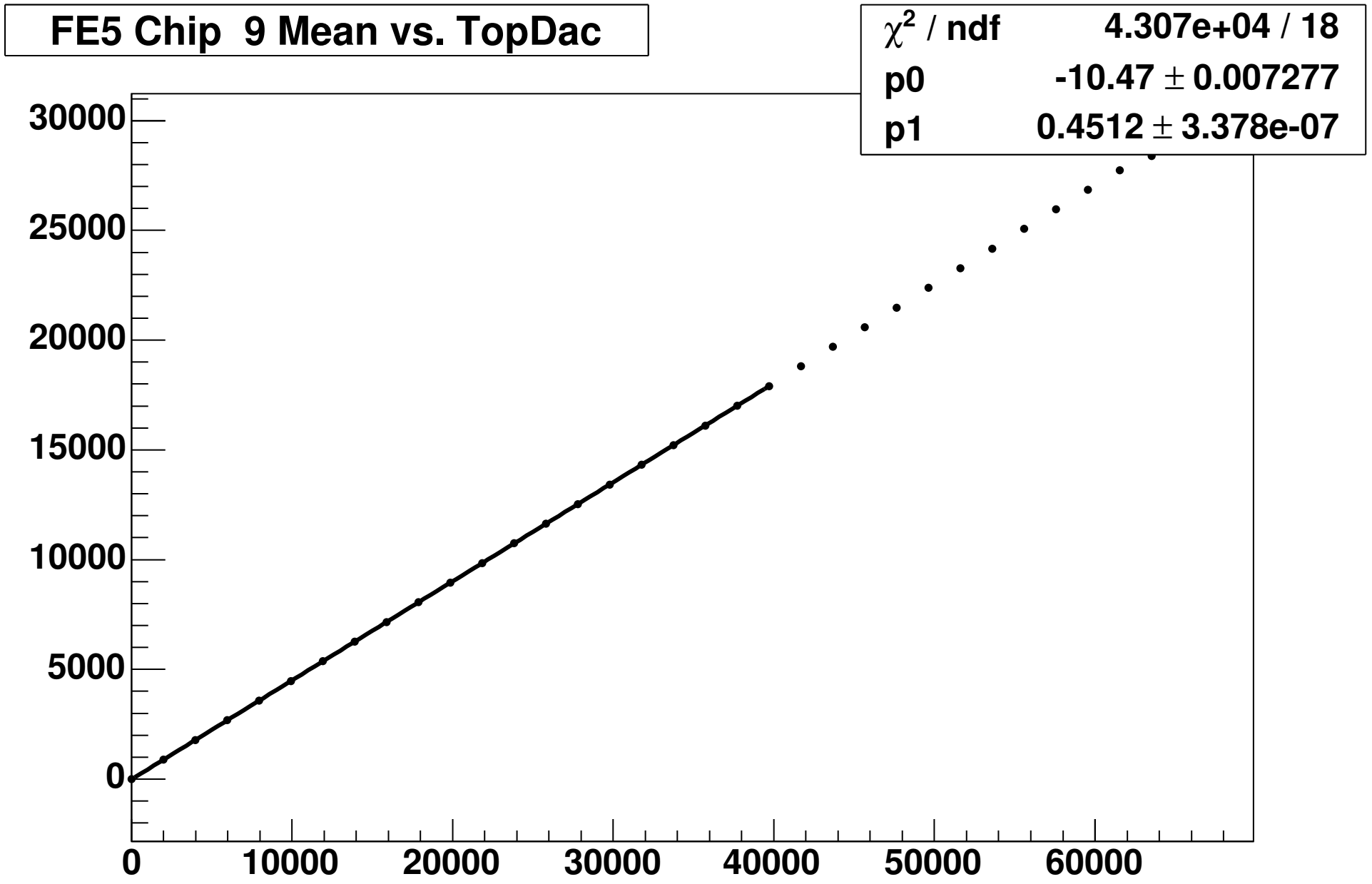

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 24.15 / 18
p0 1.482 ± 0.002496
p1 -6.316e-14 ± 2.056e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

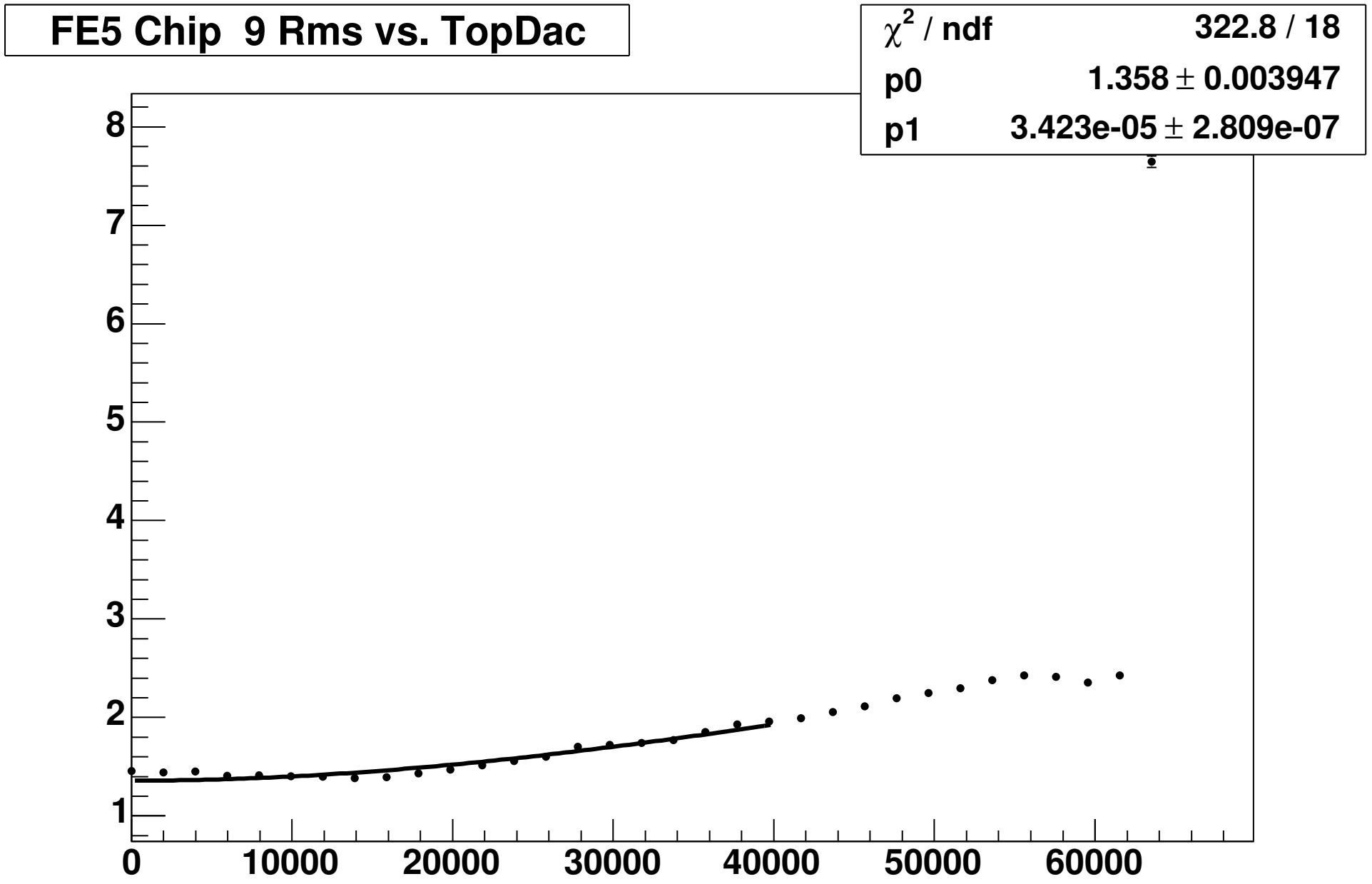

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 4.623e+04 / 18
p0 -13.44 ± 0.007431
p1 0.4512 ± 3.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

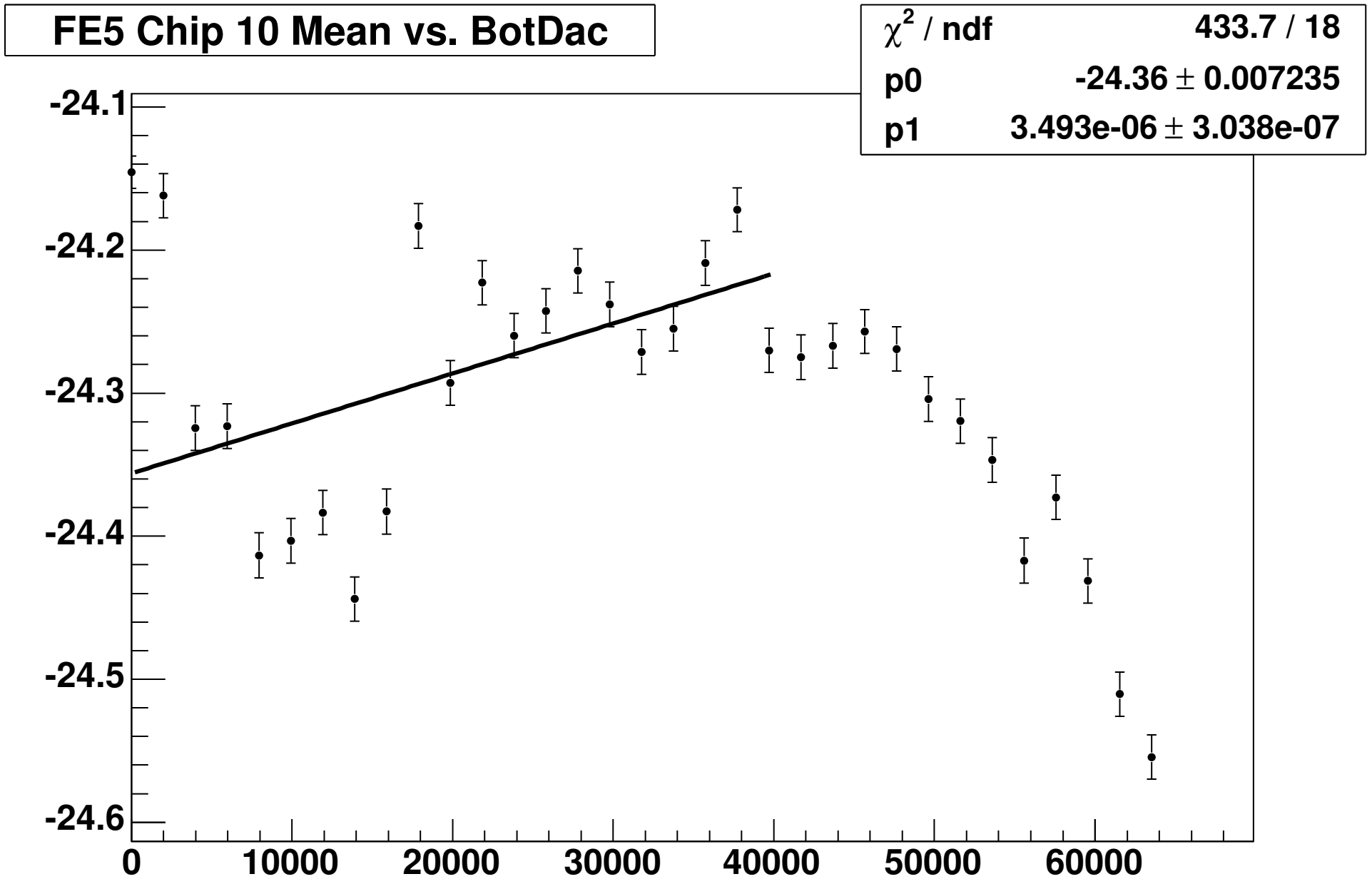

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 456.4 / 18
p0 1.386 ± 0.003989
p1 3.288e-05 ± 2.943e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

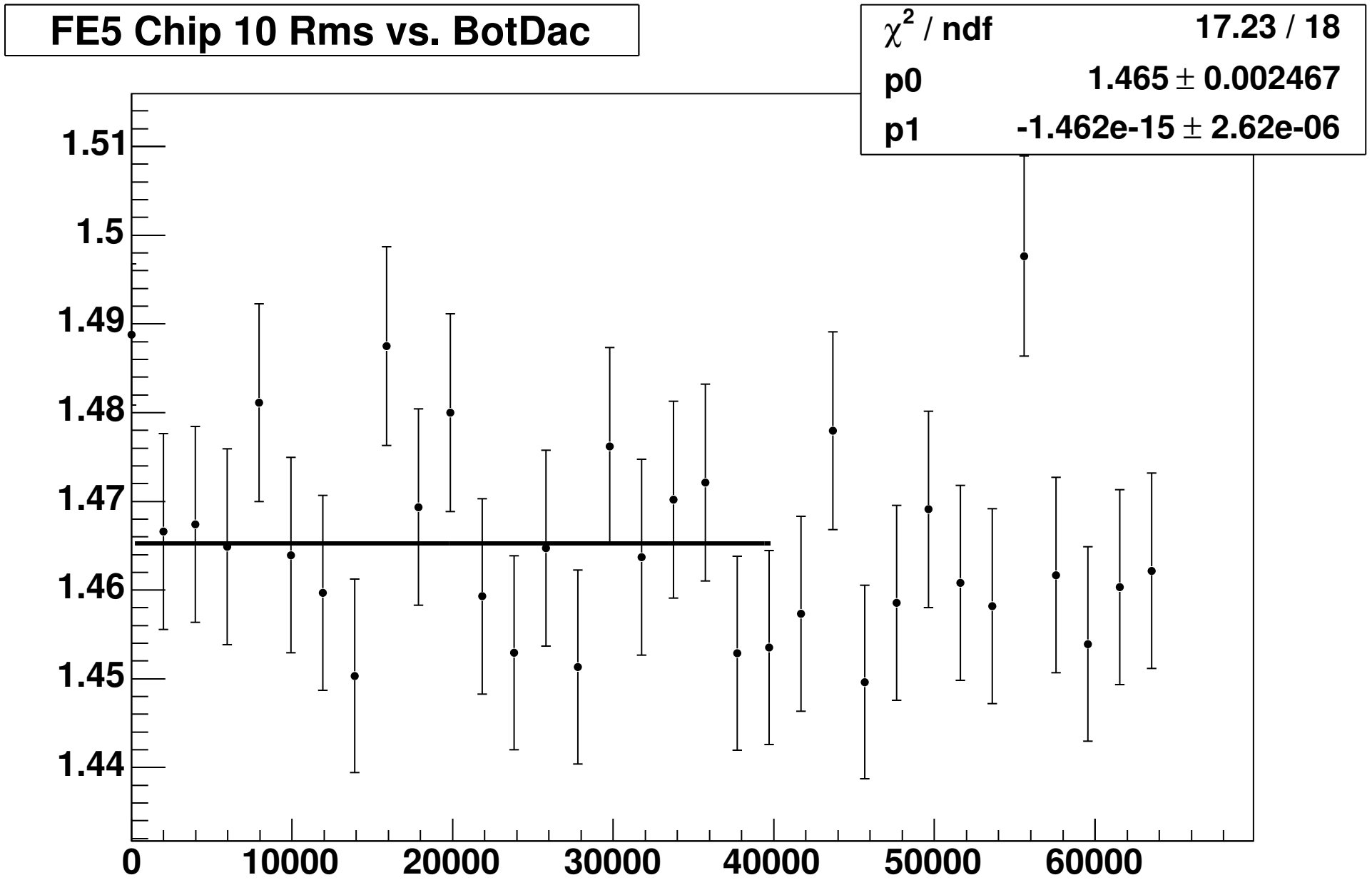

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 363.3 / 18
p0 -11.08 ± 0.007164
p1 4.827e-06 ± 3.012e-07
-10.85
-10.9
-10.95
-11
-11.05
-11.1
-11.15
-11.2
0
10000
20000
30000
40000
50000
60000

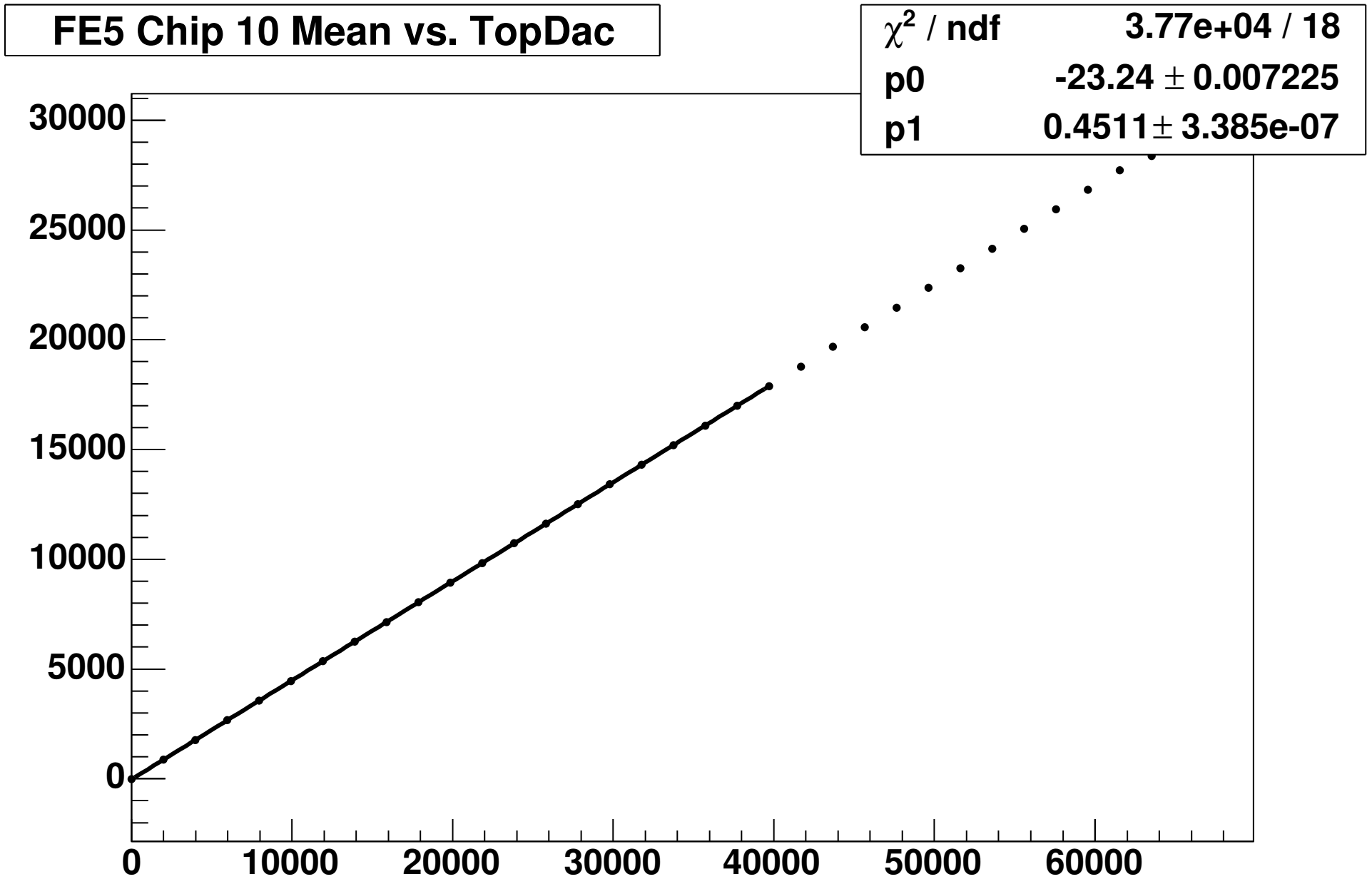

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 19.7 / 18
p0 1.453 ± 0.002446
p1 3.264e-12 ± 7.412e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

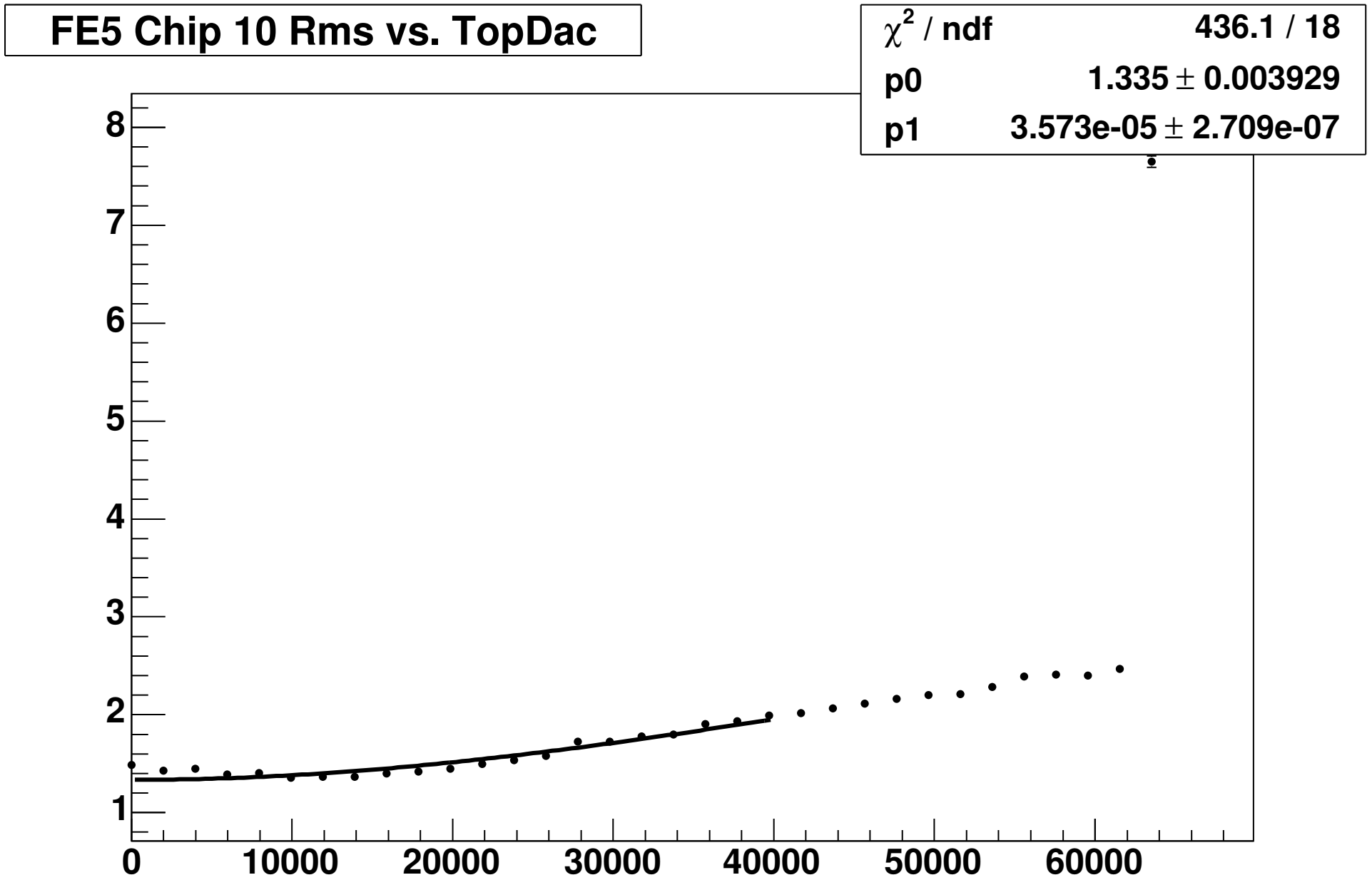

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 4.307e+04 / 18
p0 -10.47 ± 0.007277
p1 0.4512 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

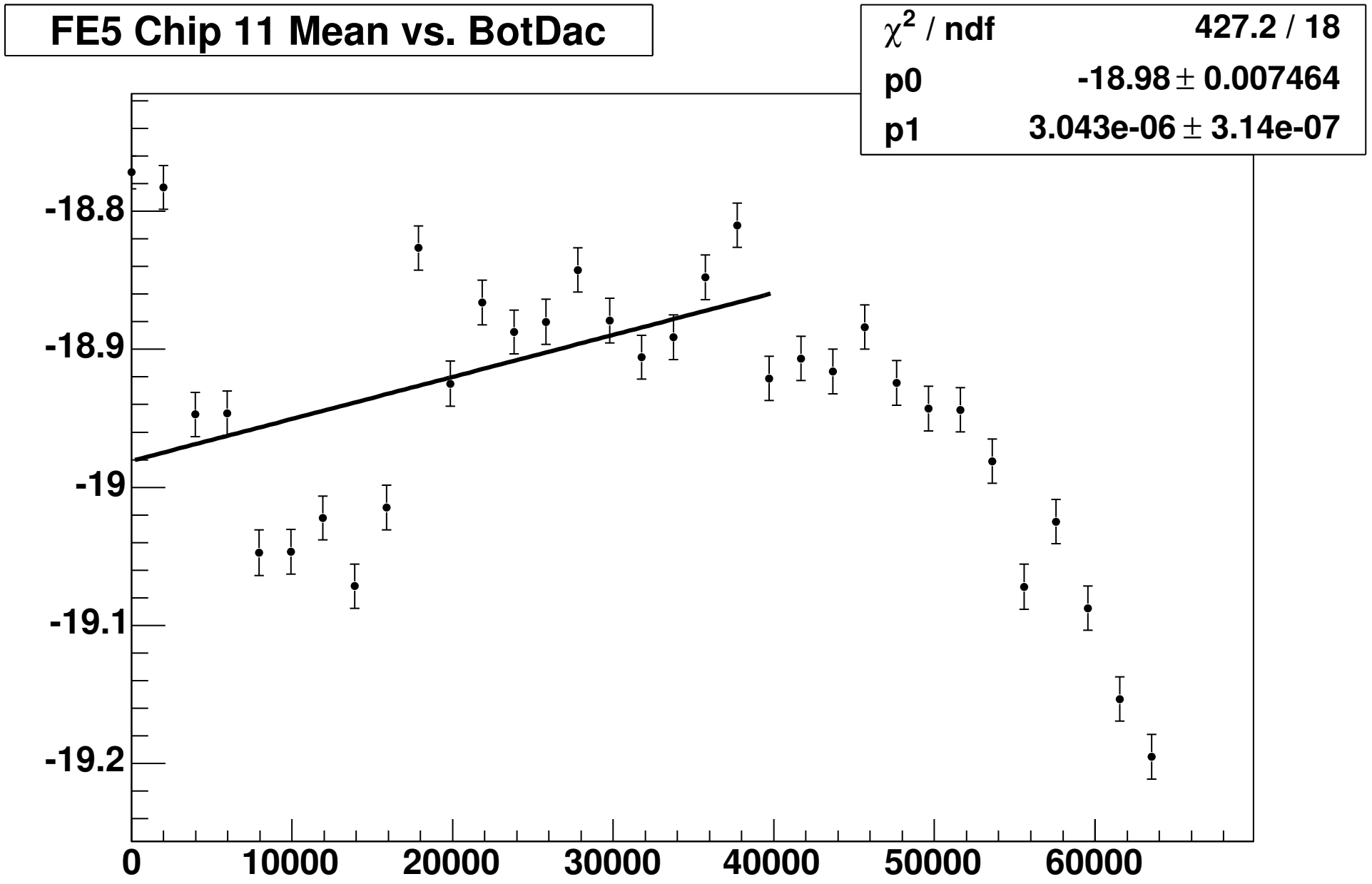

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 322.8 / 18
p0 1.358 ± 0.003947
p1 3.423e-05 ± 2.809e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

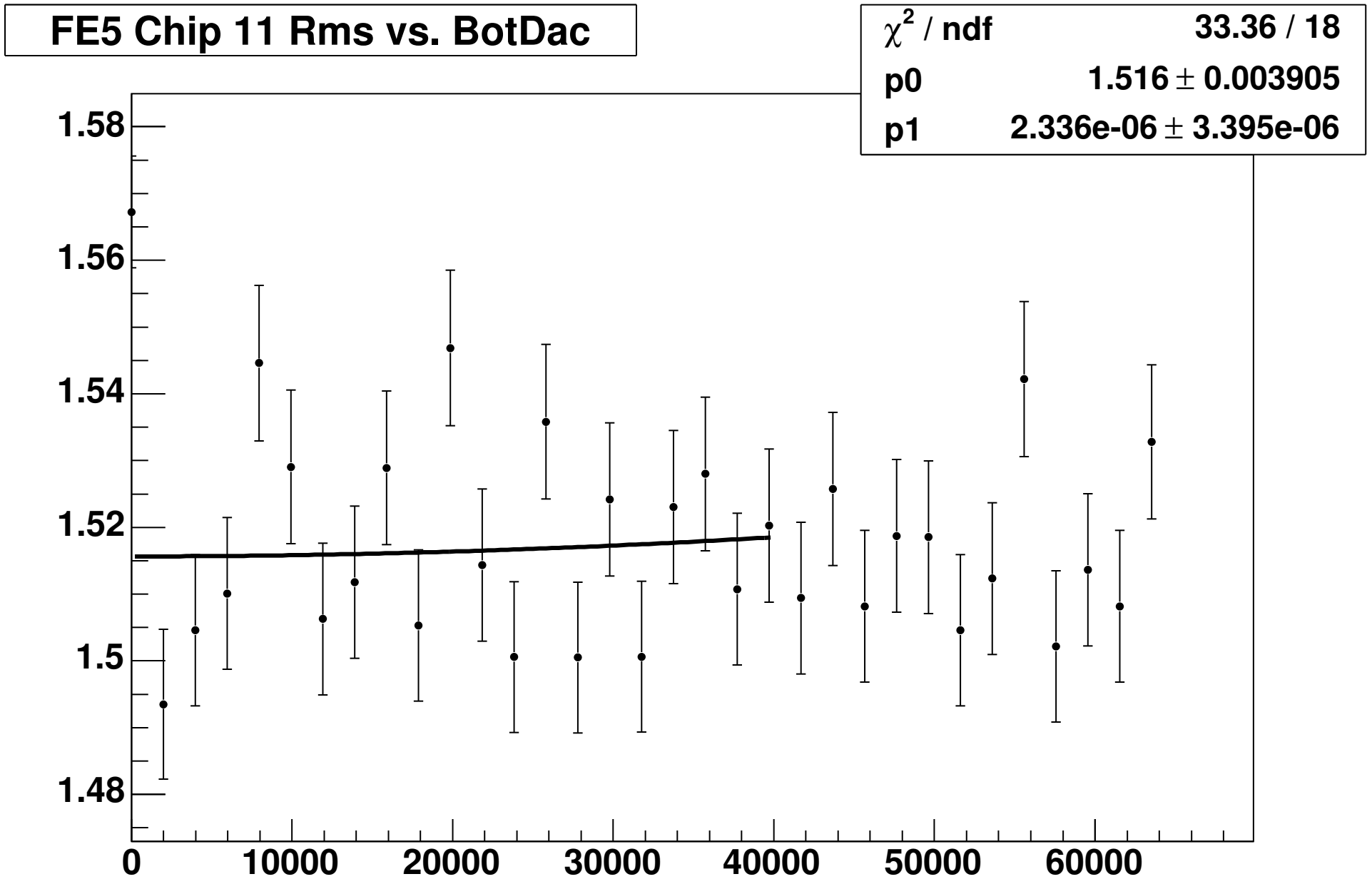

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 433.7 / 18
p0 -24.36 ± 0.007235
p1 3.493e-06 ± 3.038e-07
-24.1
-24.2
-24.3
-24.4
-24.5
-24.6
0
10000
20000
30000
40000
50000
60000

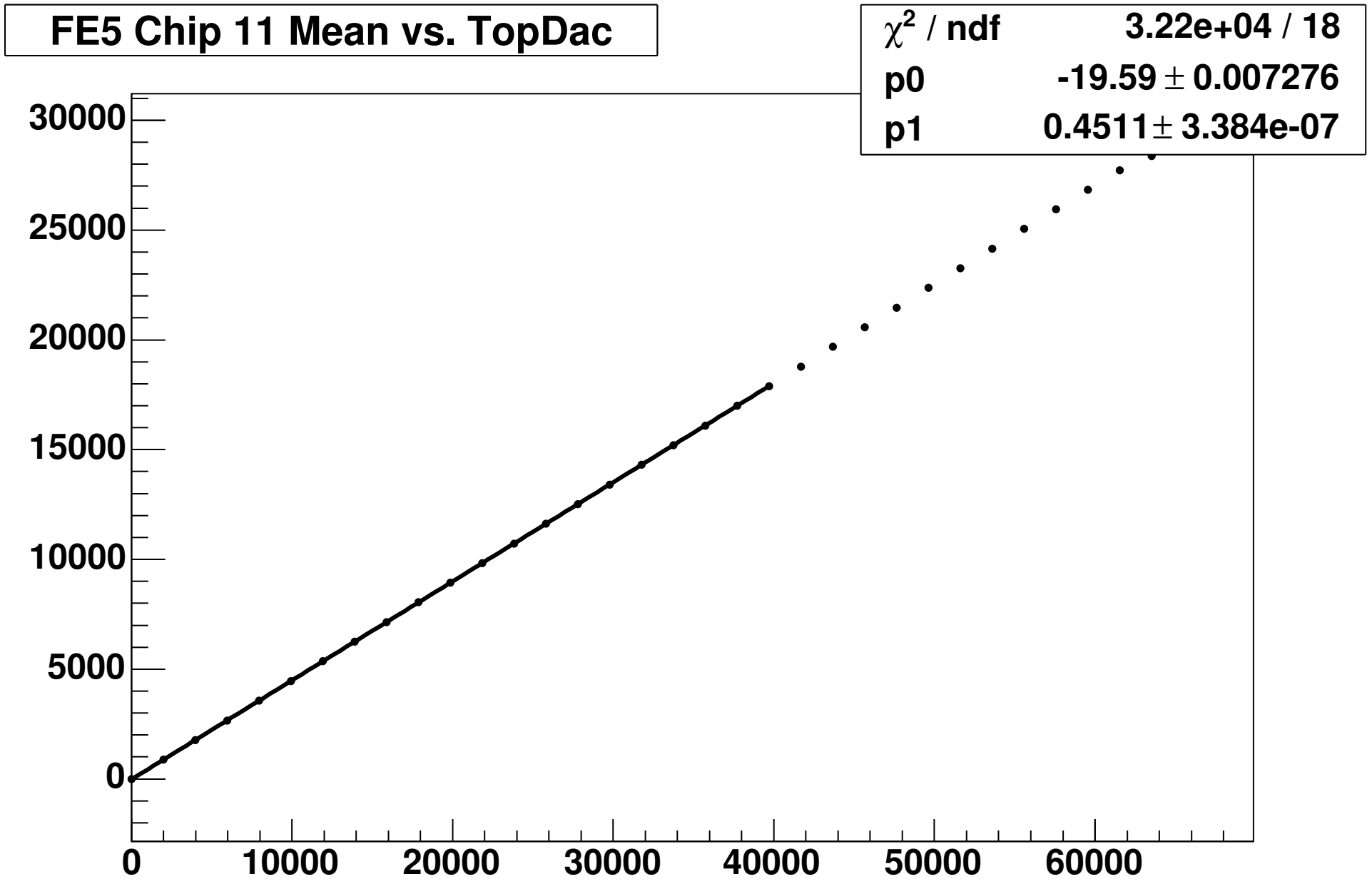

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 17.23 / 18
p0 1.465 ± 0.002467
p1 -1.462e-15 ± 2.62e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

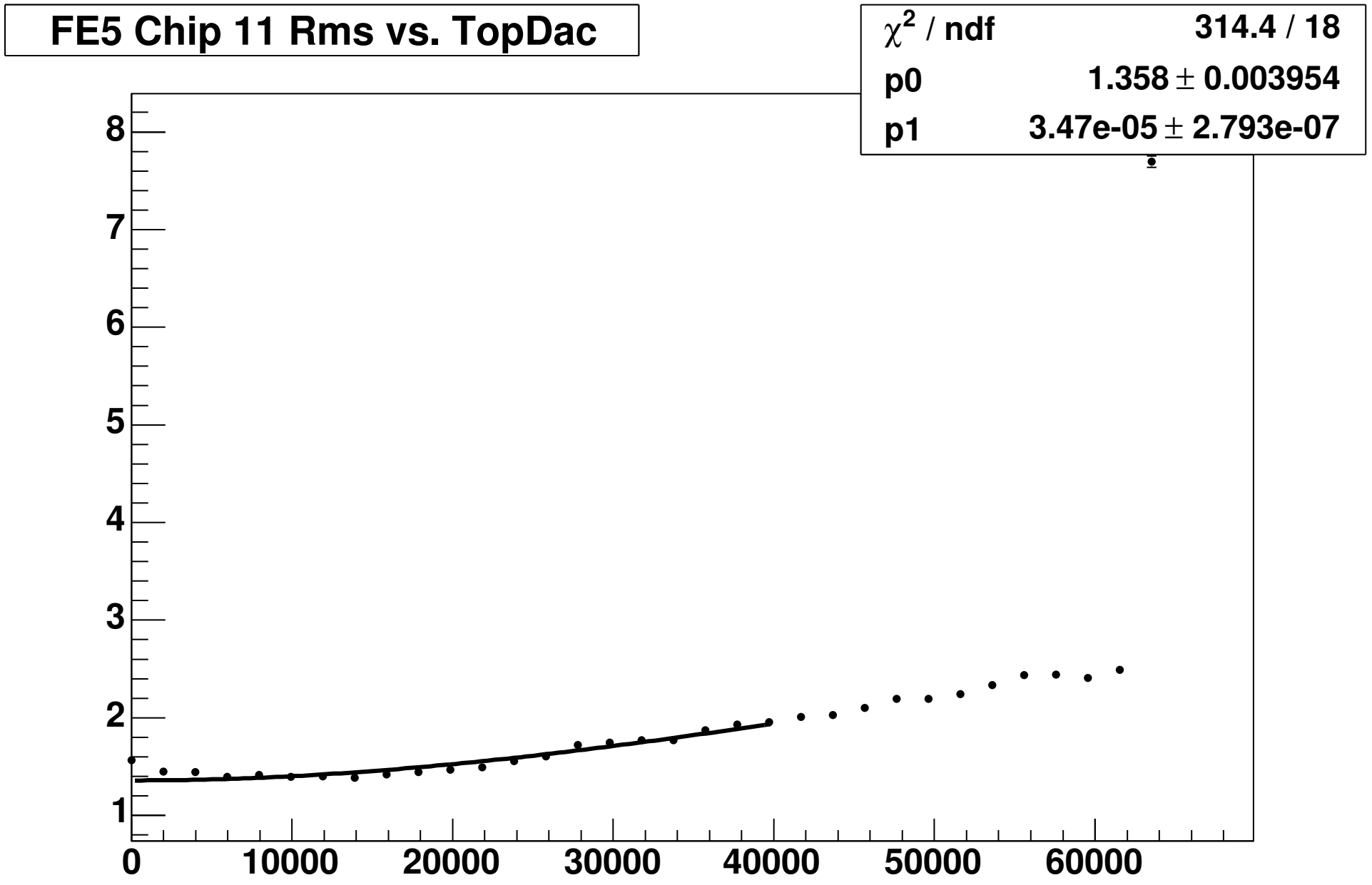

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 3.77e+04 / 18
p0 -23.24 ± 0.007225
p1 0.4511 ± 3.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

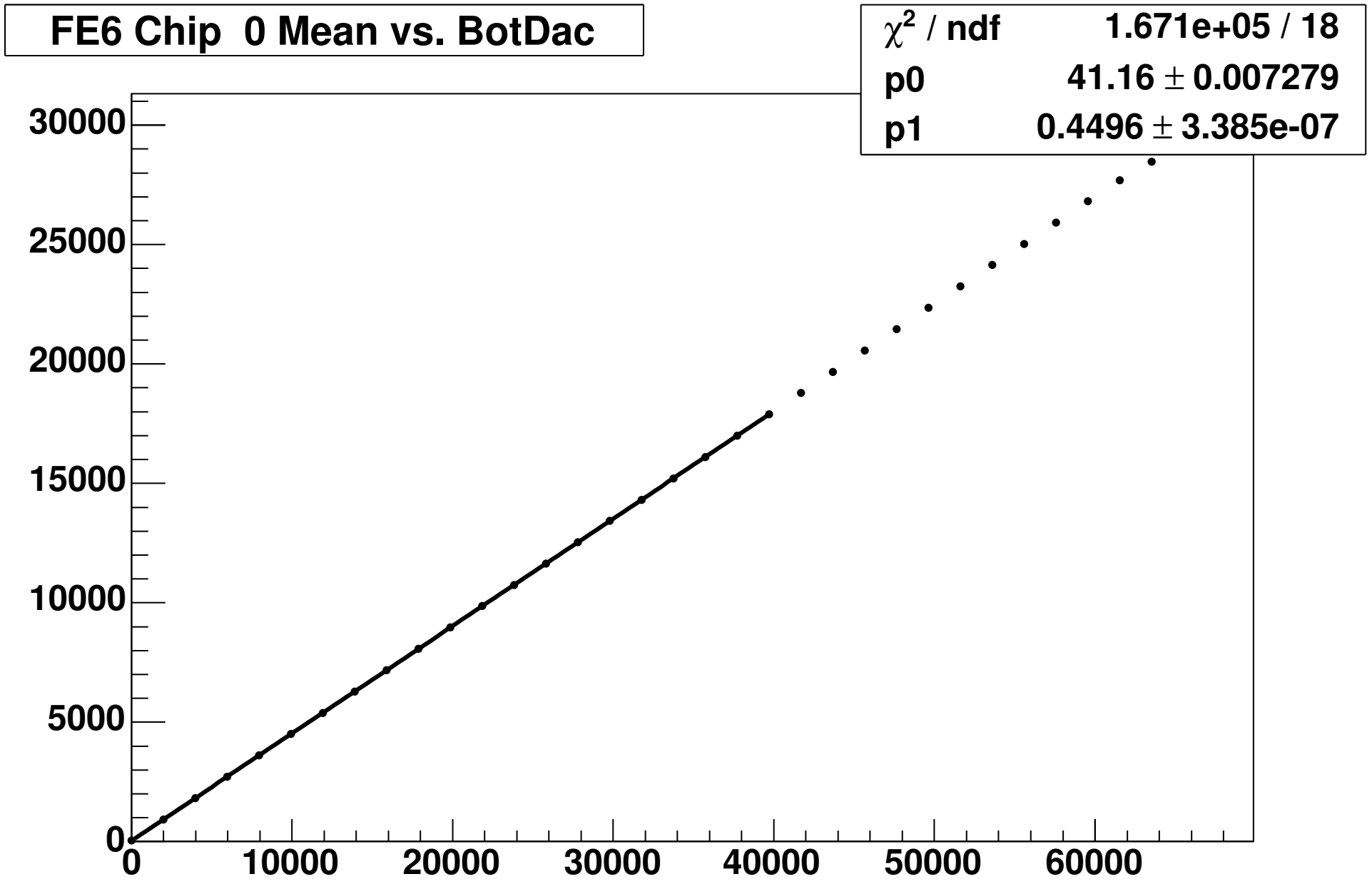

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 436.1 / 18
p0 1.335 ± 0.003929
p1 3.573e-05 ± 2.709e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

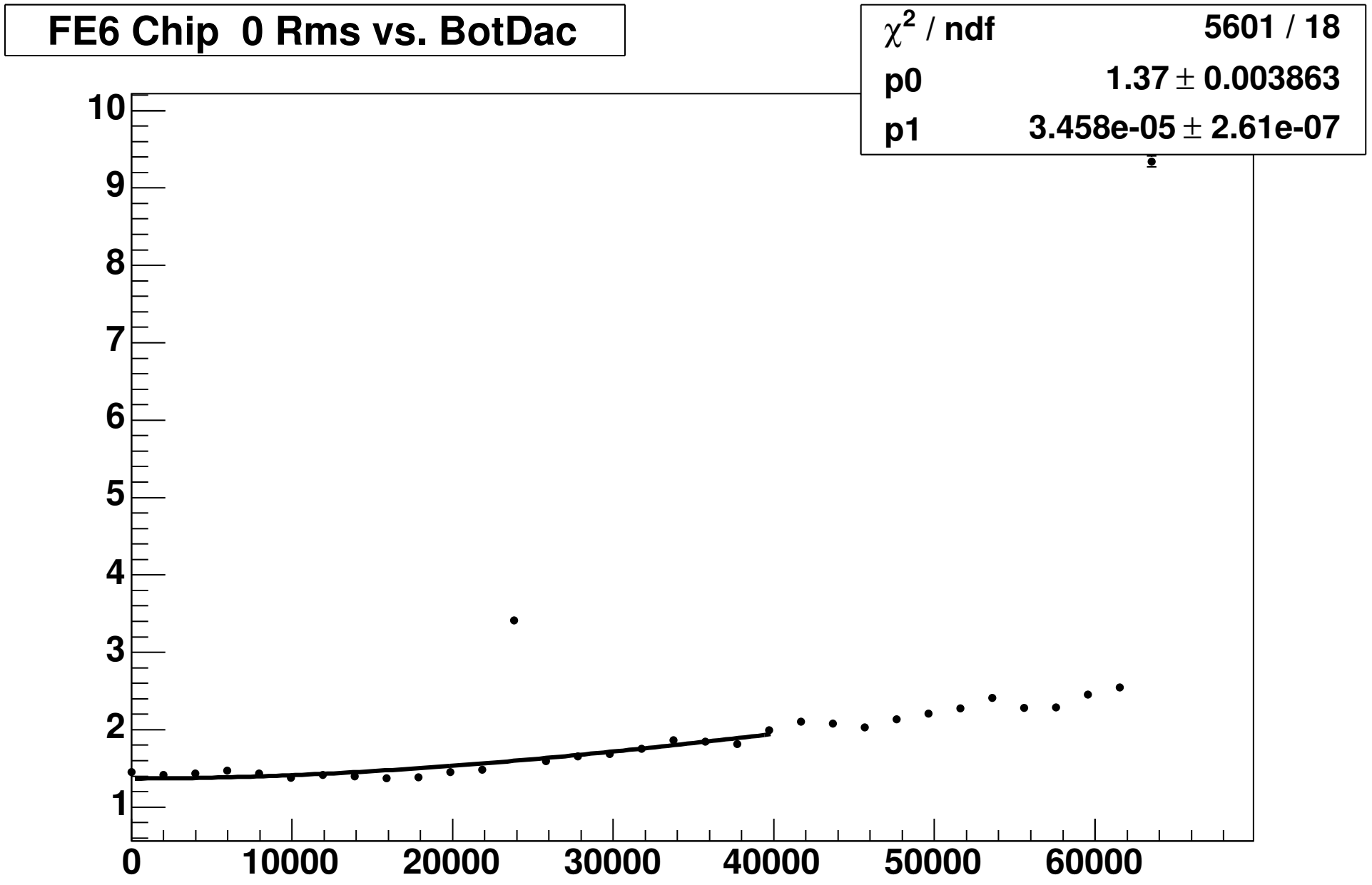

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 427.2 / 18
p0 -18.98 ± 0.007464
p1 3.043e-06 ± 3.14e-07
-18.8
-18.9
-19
-19.1
-19.2
0
10000
20000
30000
40000
50000
60000

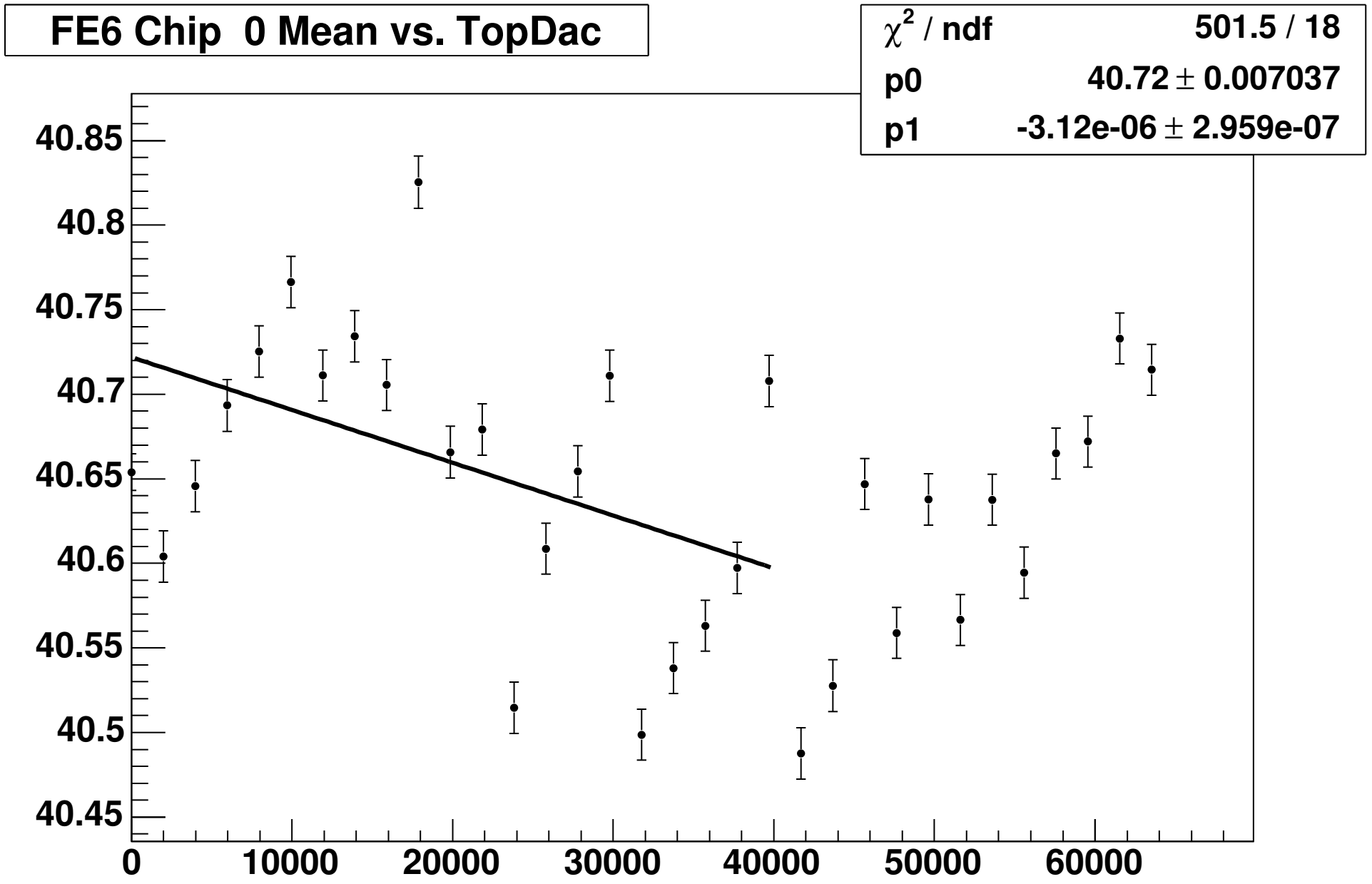

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 33.36 / 18
p0 1.516 ± 0.003905
p1 2.336e-06 ± 3.395e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

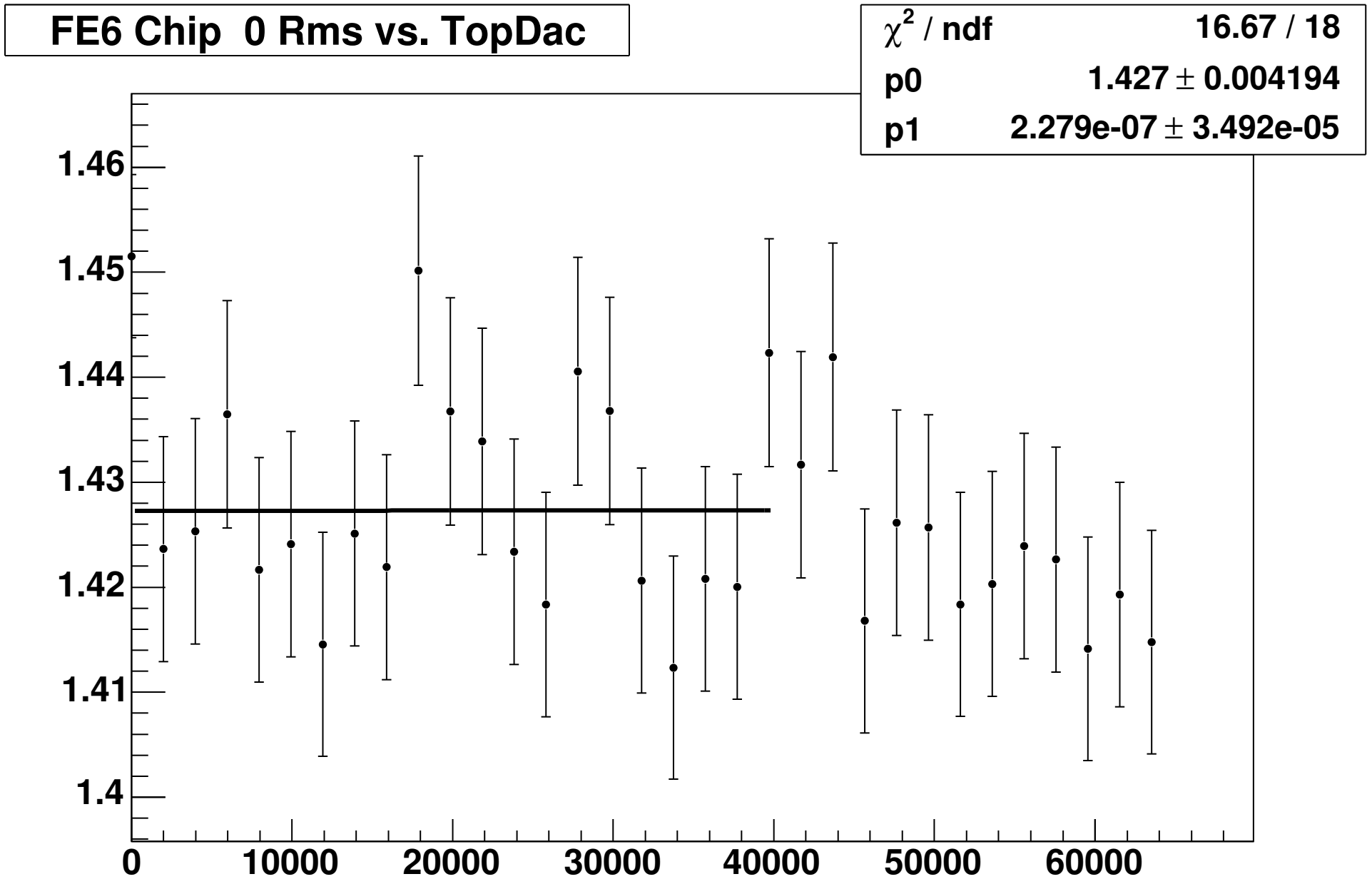

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 3.22e+04 / 18
p0 -19.59 ± 0.007276
p1 0.4511 ± 3.384e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

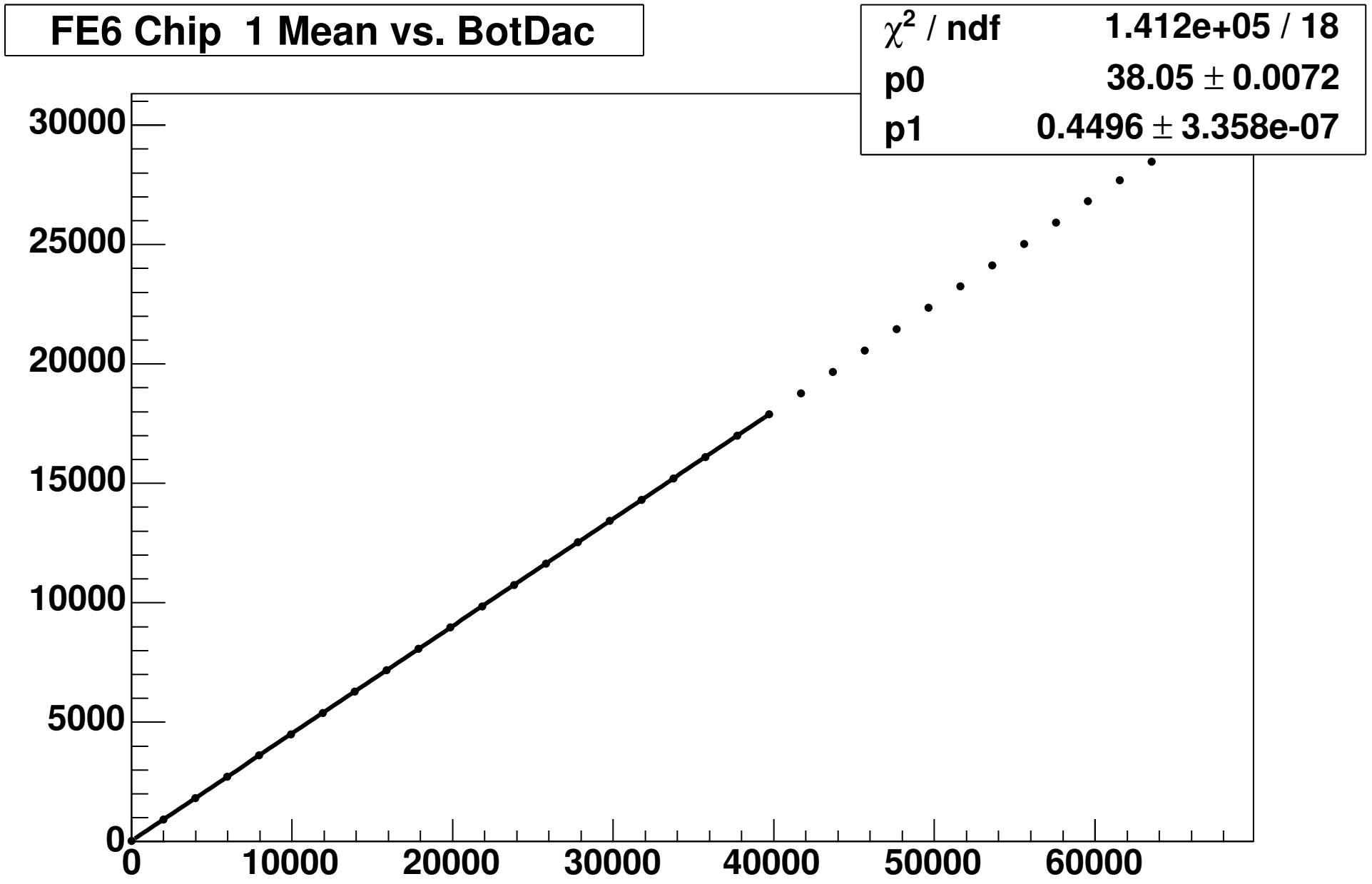

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 314.4 / 18
p0 1.358 ± 0.003954
p1 3.47e-05 ± 2.793e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

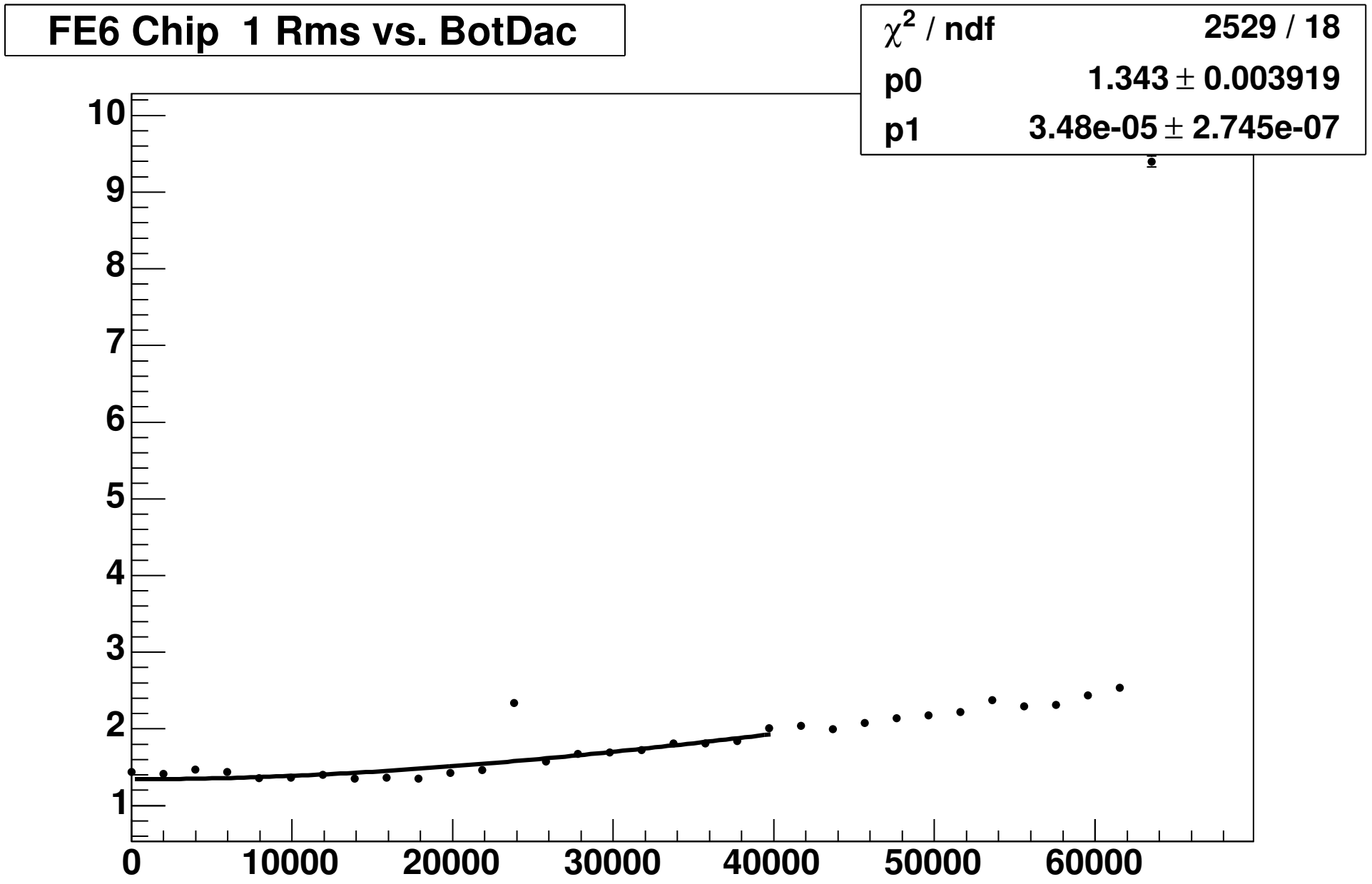

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.671e+05 / 18
p0 41.16 ± 0.007279
p1 0.4496 ± 3.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

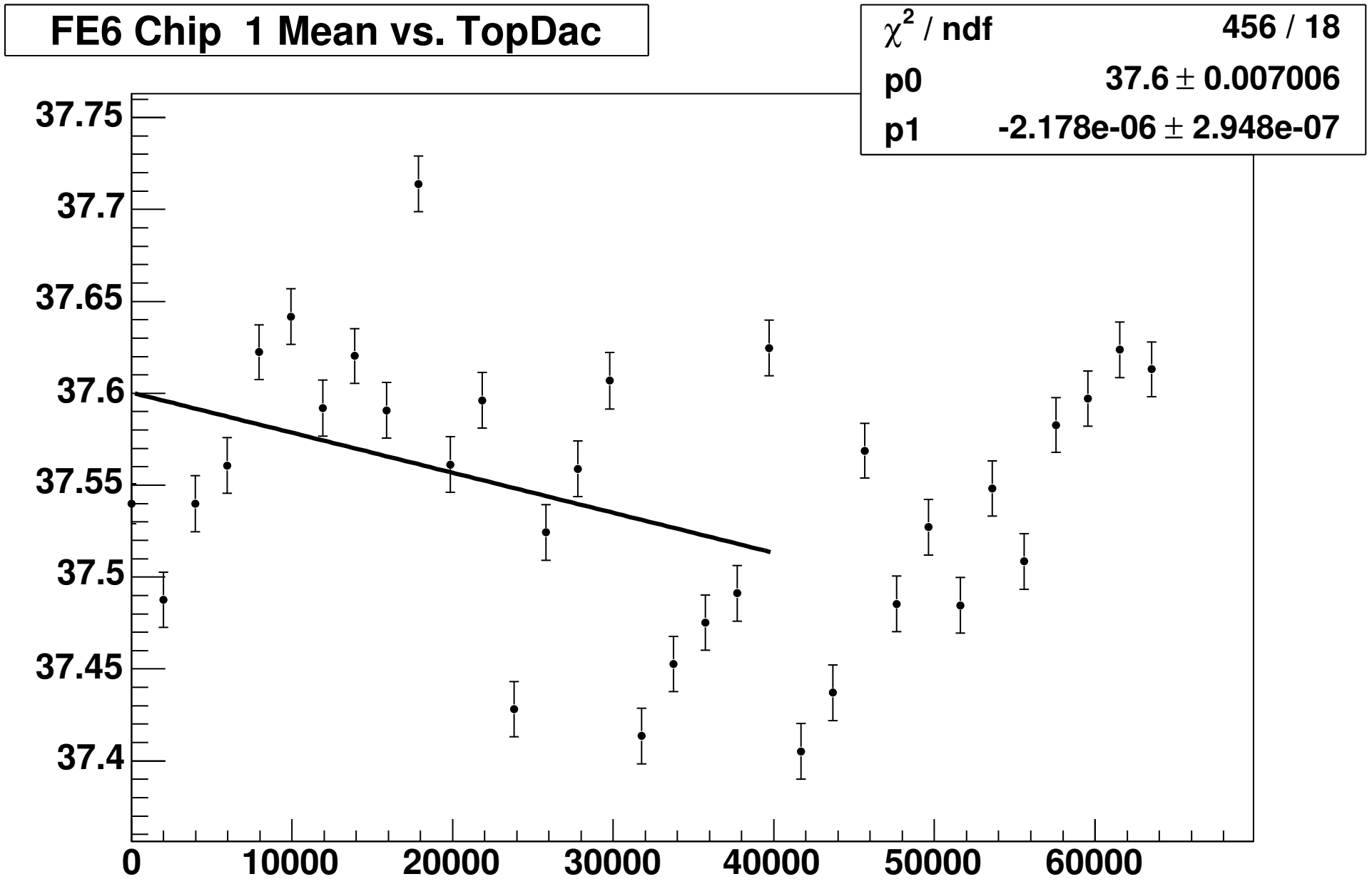

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 5601 / 18
p0 1.37 ± 0.003863
p1 3.458e-05 ± 2.61e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

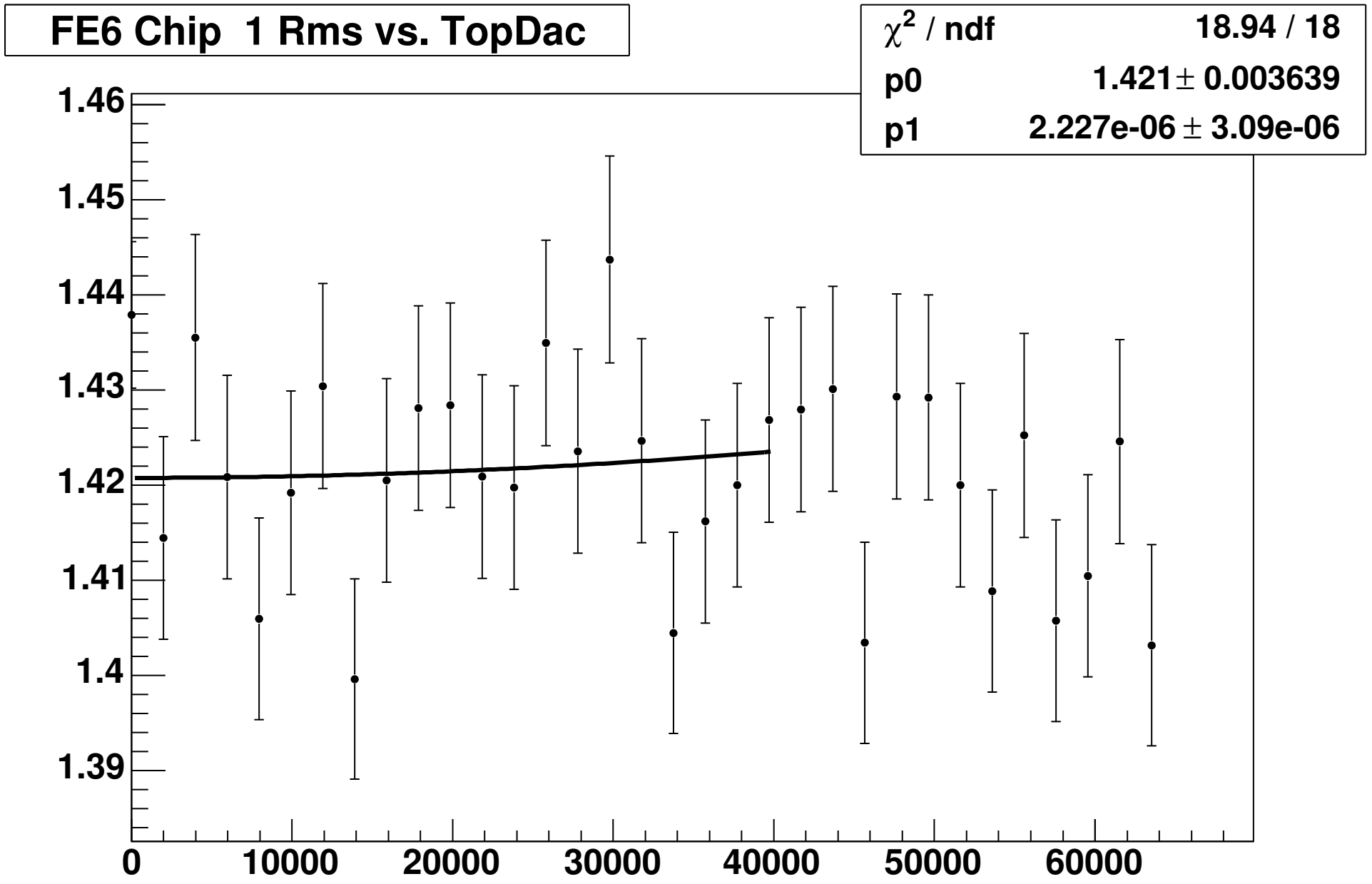

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 501.5 / 18
p0 40.72 ± 0.007037
p1 -3.12e-06 ± 2.959e-07
40.85
40.8
40.75
40.7
40.65
40.6
40.55
40.5
40.45
0
10000
20000
30000
40000
50000
60000

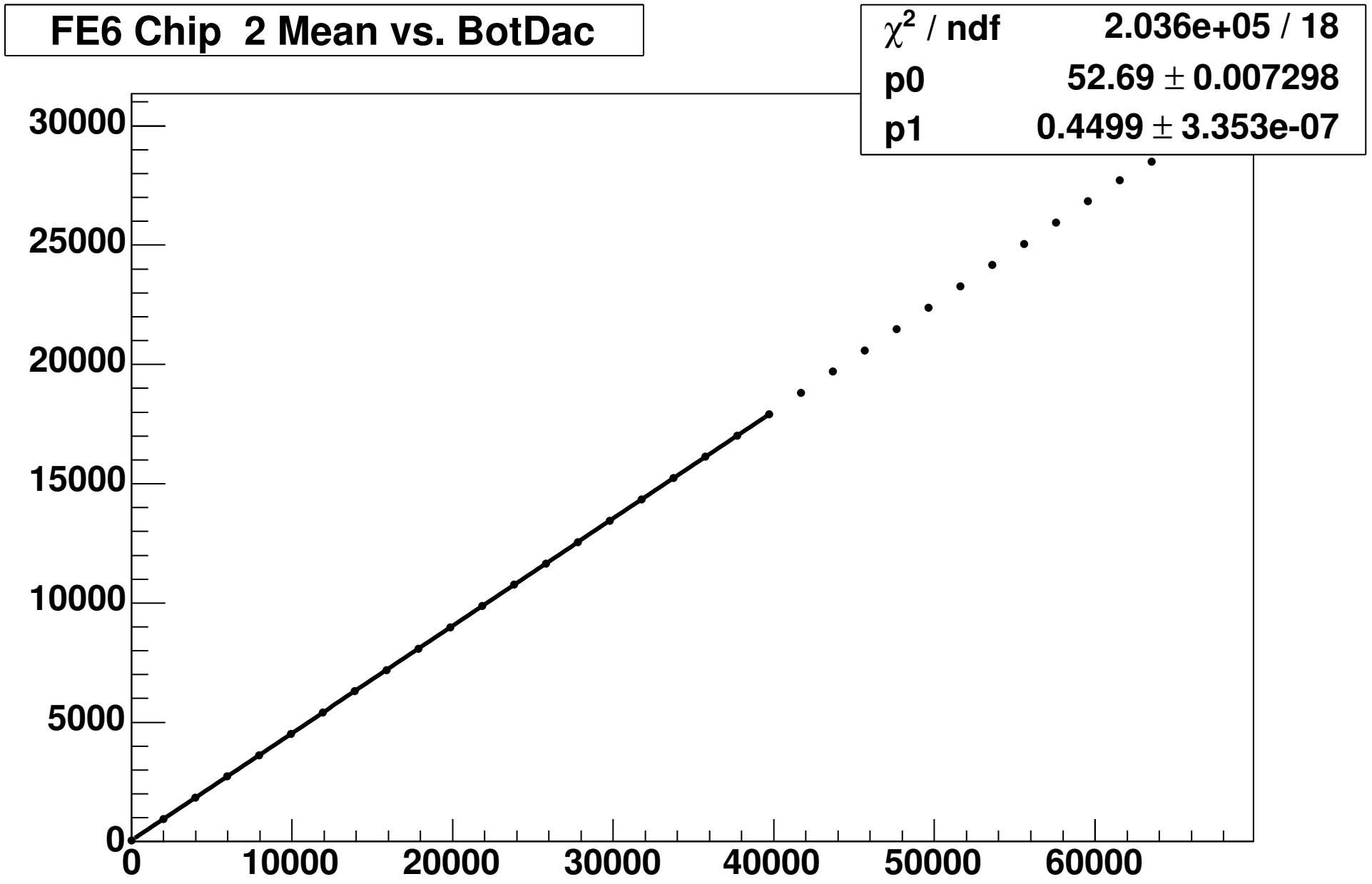

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 16.67 / 18
p0 1.427 ± 0.004194
p1 2.279e-07 ± 3.492e-05
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

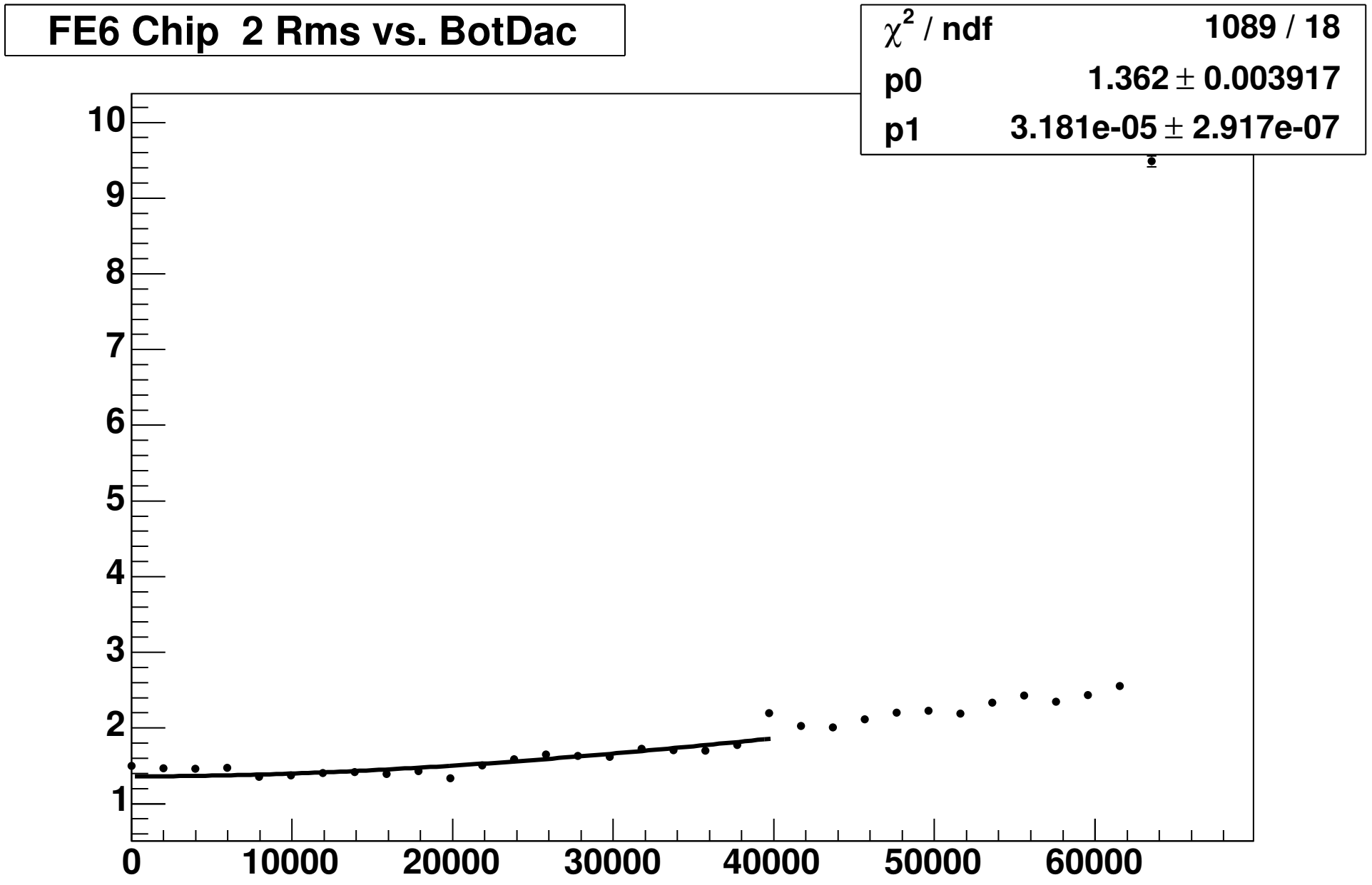

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.412e+05 / 18
p0 38.05 ± 0.0072
p1 0.4496 ± 3.358e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

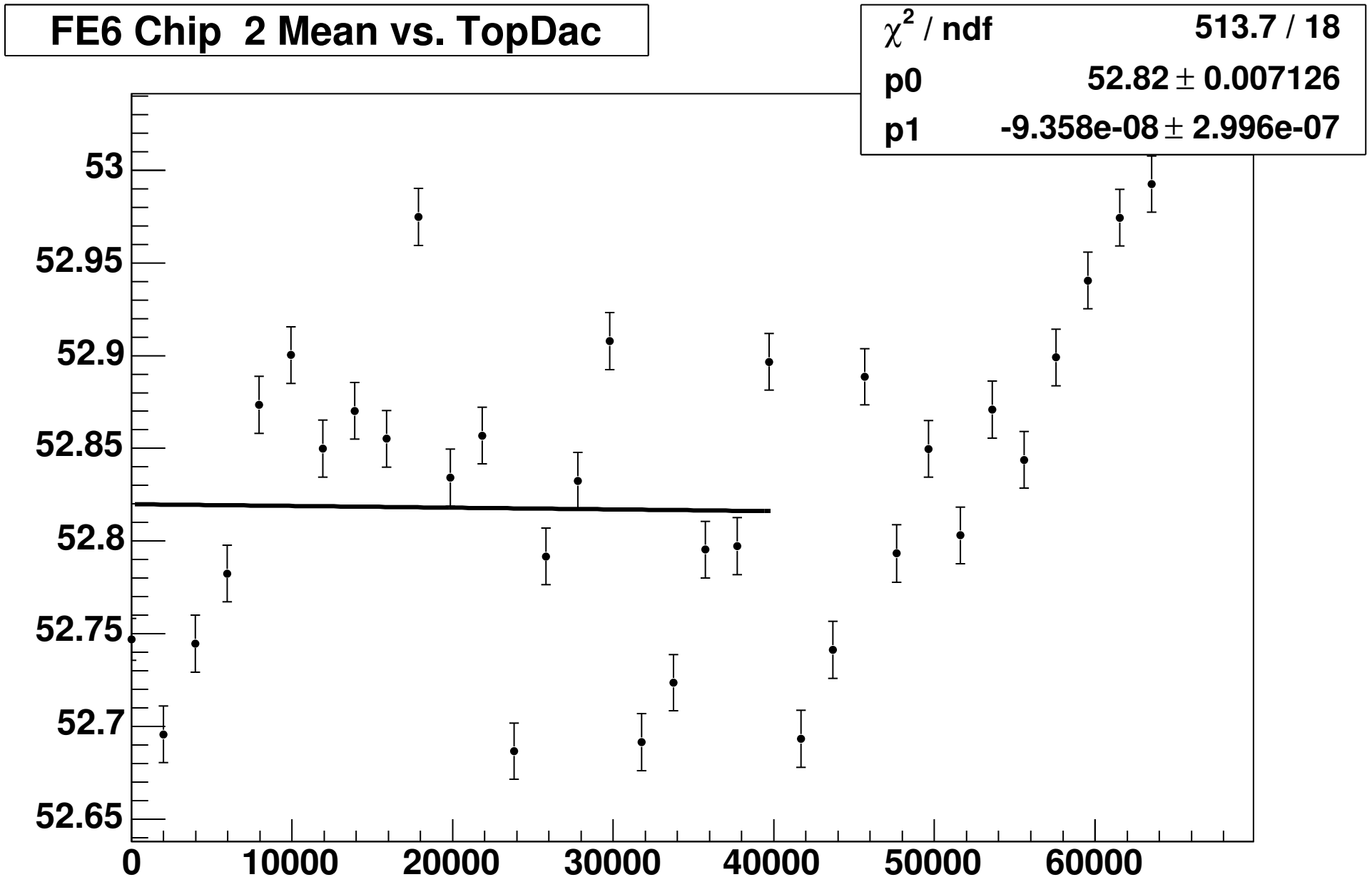

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 2529 / 18
p0 1.343 ± 0.003919
p1 3.48e-05 ± 2.745e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

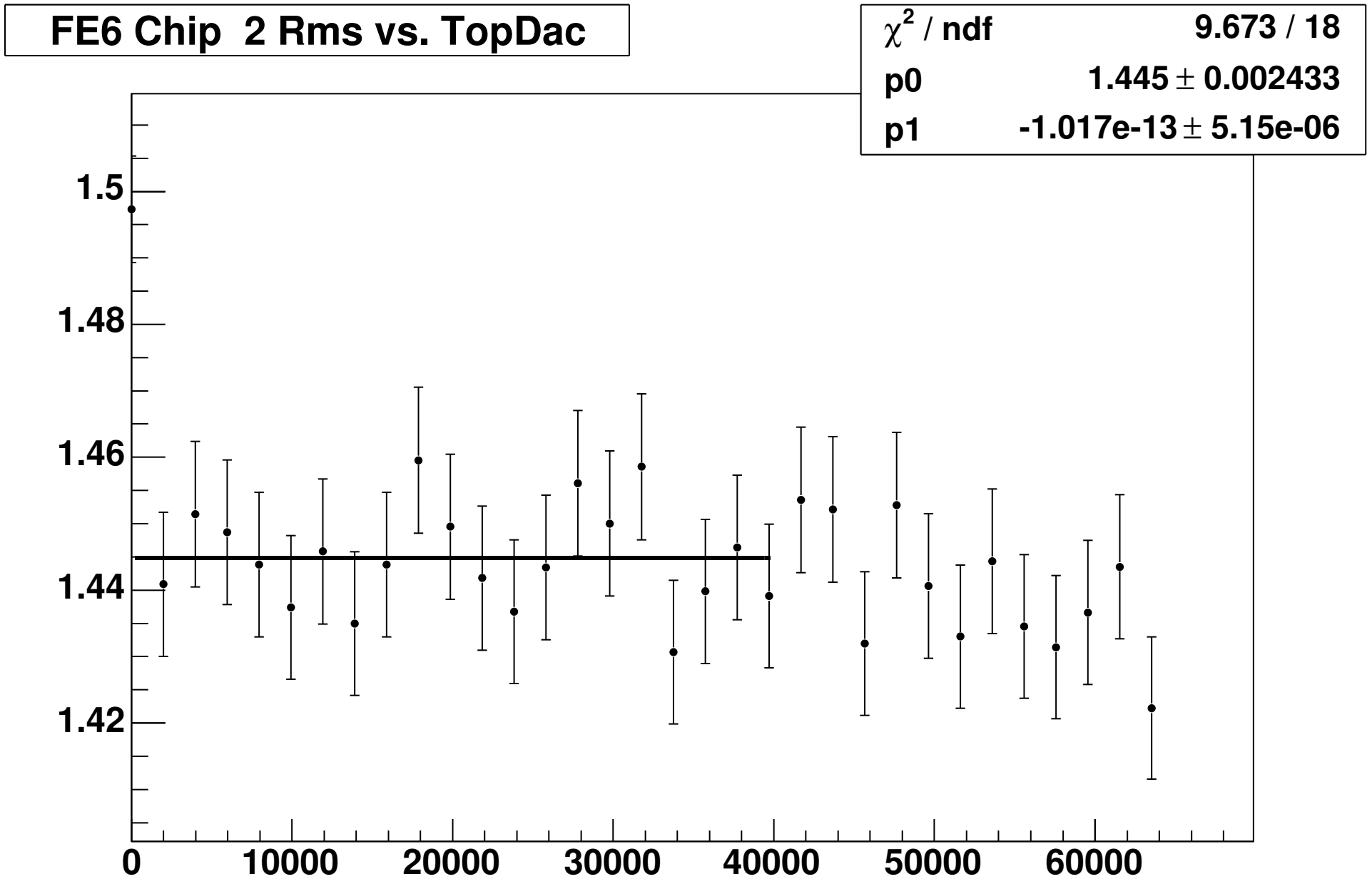

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 456 / 18
p0 37.6 ± 0.007006
p1 -2.178e-06 ± 2.948e-07
37.75
37.7
37.65
37.6
37.55
37.5
37.45
37.4
0
10000
20000
30000
40000
50000
60000

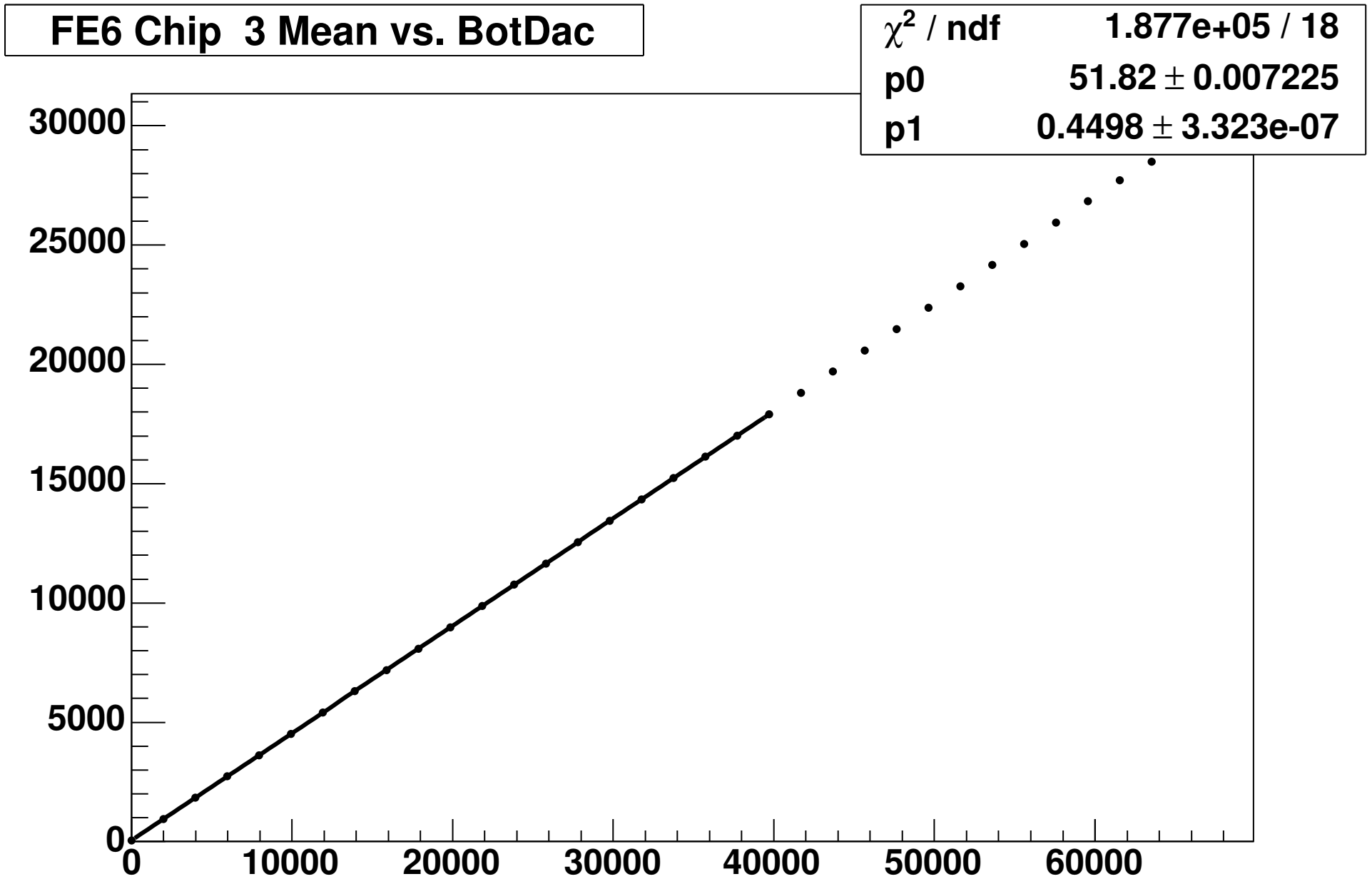

FE6 Chip 1 Rms vs. TopDac
χ² / ndf 18.94 / 18
p0 1.421 ± 0.003639
p1 2.227e-06 ± 3.09e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000

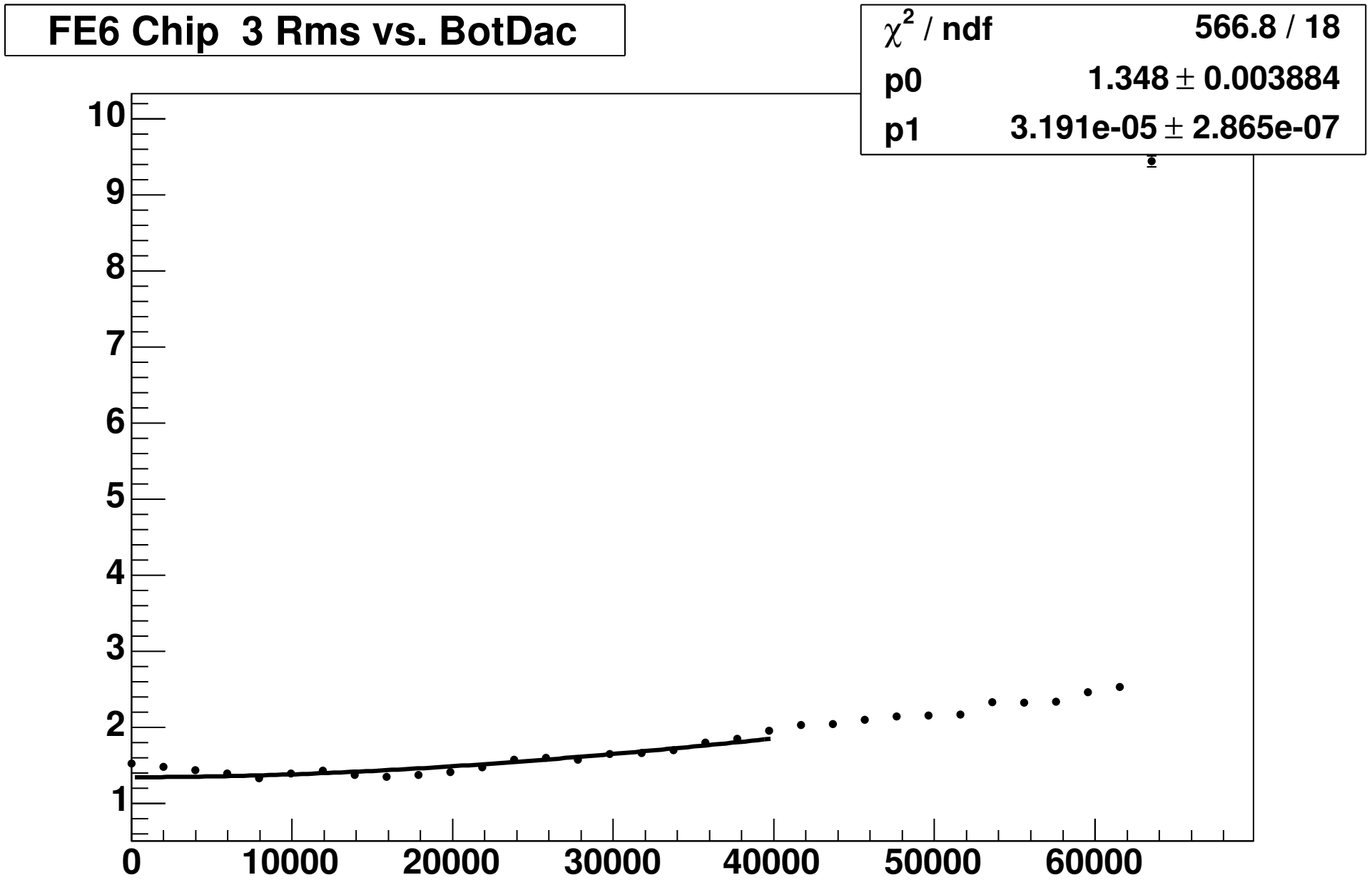

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 2.036e+05 / 18
p0 52.69 ± 0.007298
p1 0.4499 ± 3.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

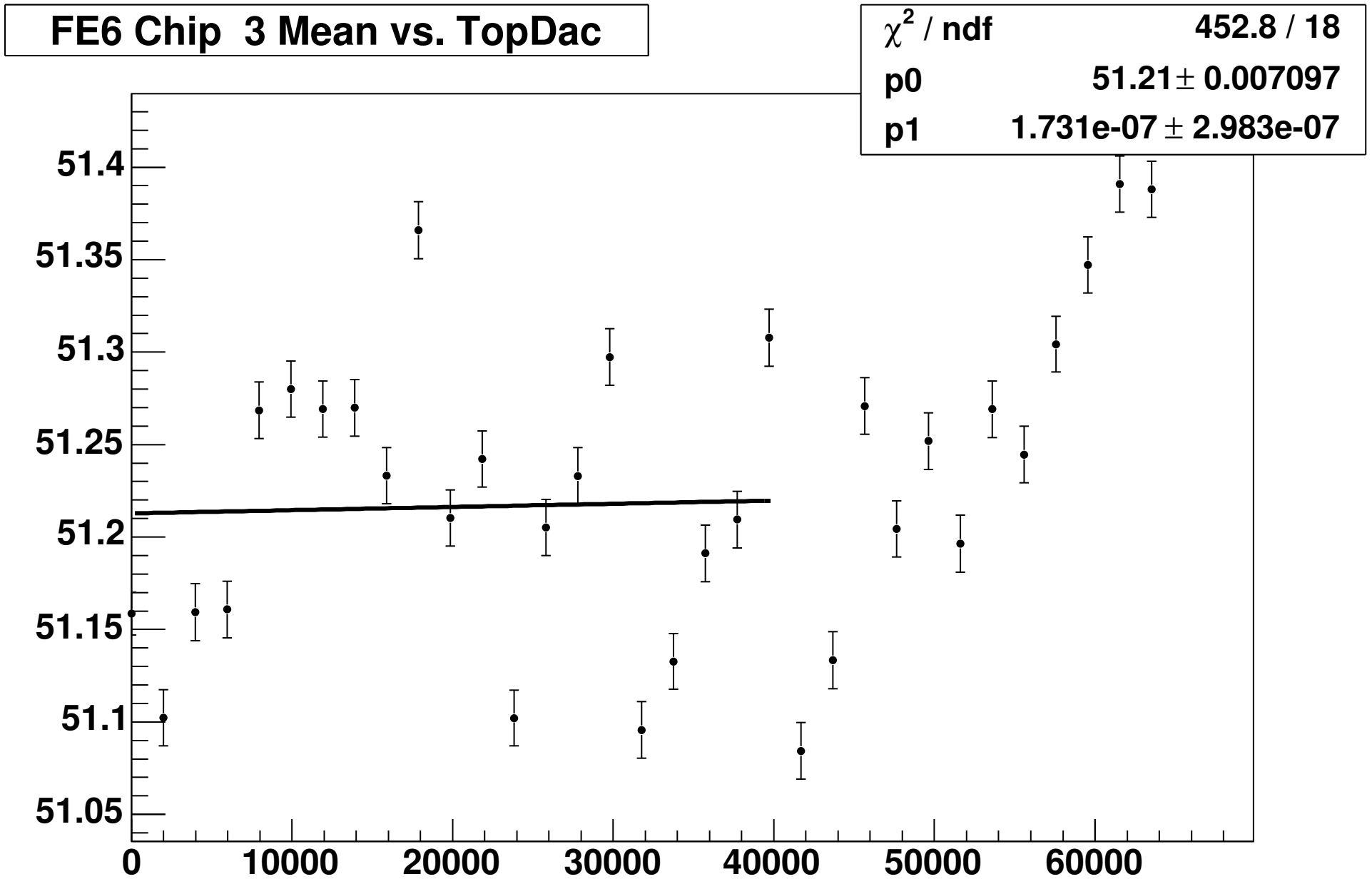

FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1089 / 18
p0 1.362 ± 0.003917
p1 3.181e-05 ± 2.917e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

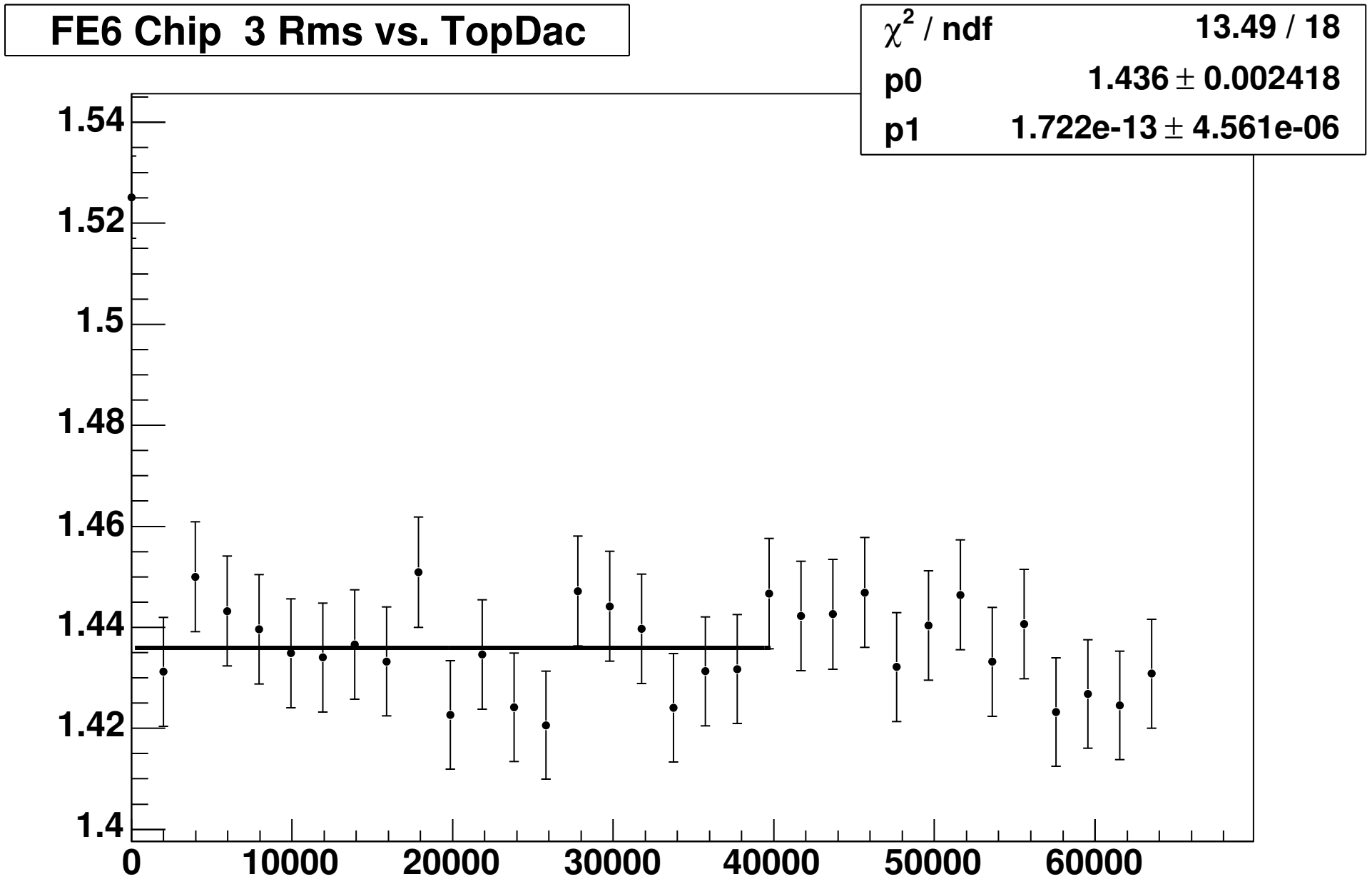

FE6 Chip 2 Mean vs. TopDac
χ^2 / ndf 513.7 / 18
p0 52.82 ± 0.007126
p1 -9.358e-08 ± 2.996e-07
53
52.95
52.9
52.85
52.8
52.75
52.7
52.65
0
10000
20000
30000
40000
50000
60000

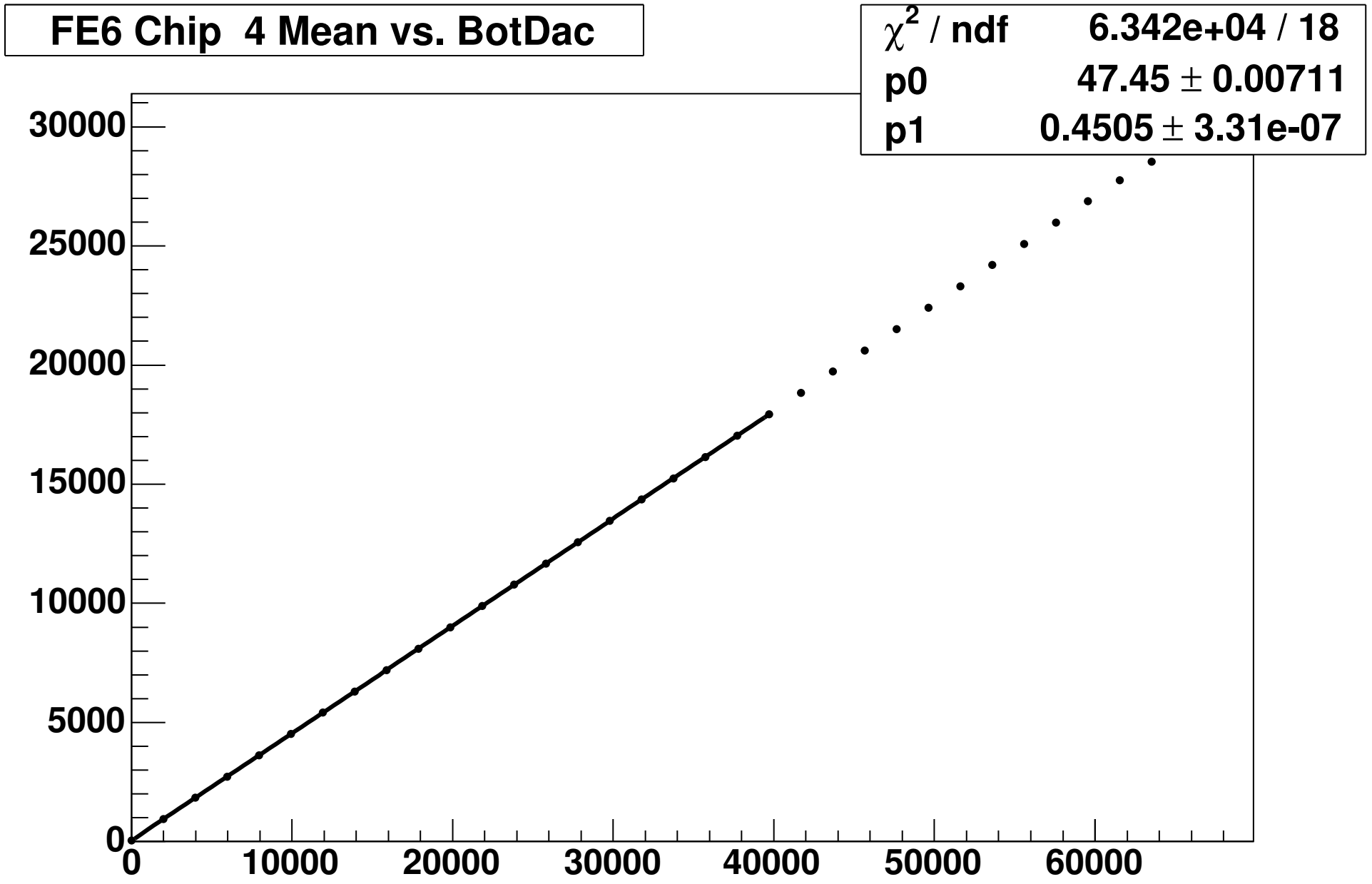

FE6 Chip 2 Rms vs. TopDac
χ² / ndf 9.673 / 18
p0 1.445 ± 0.002433
p1 -1.017e-13 ± 5.15e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

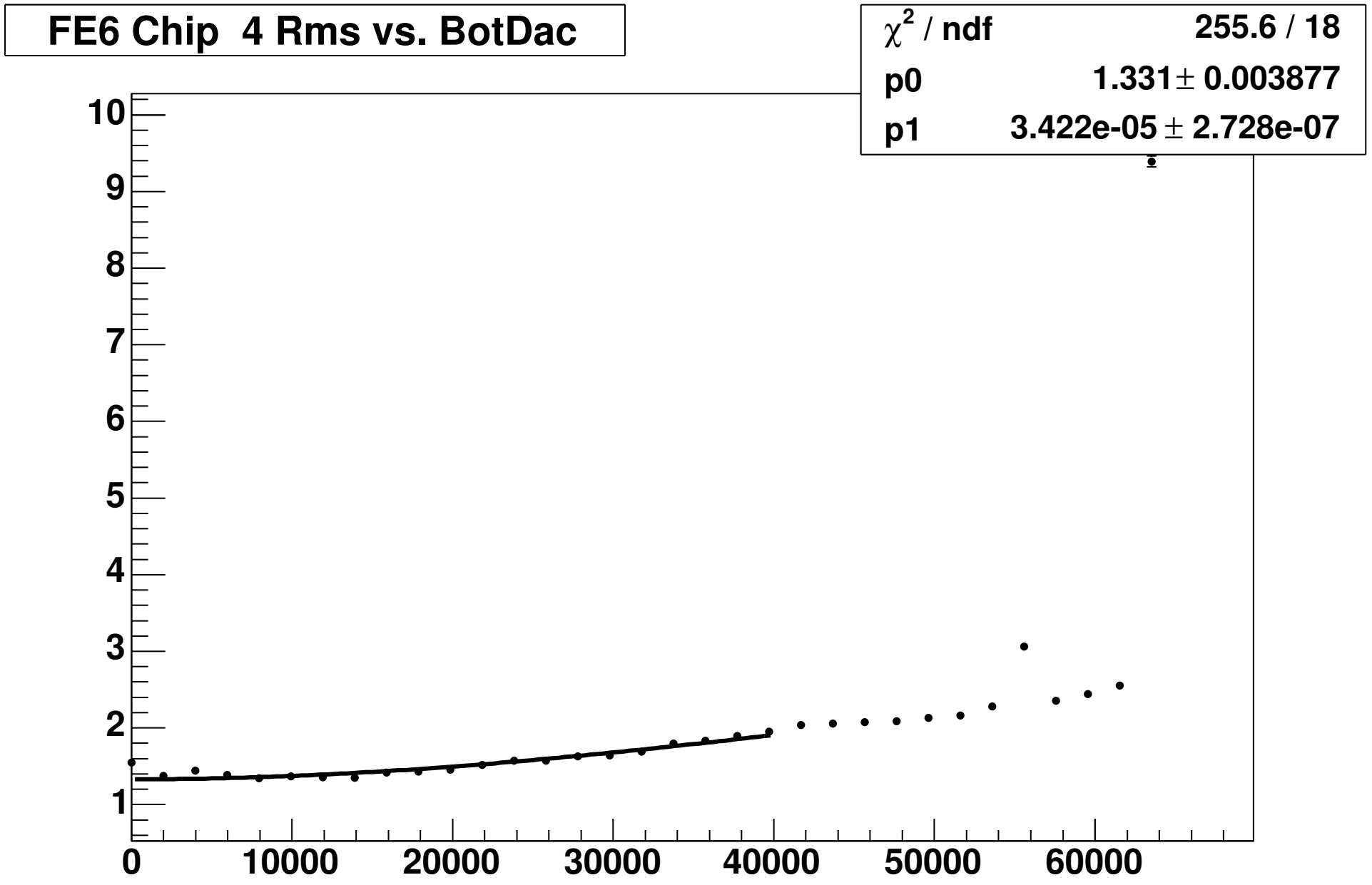

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.877e+05 / 18
p0 51.82 ± 0.007225
p1 0.4498 ± 3.323e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

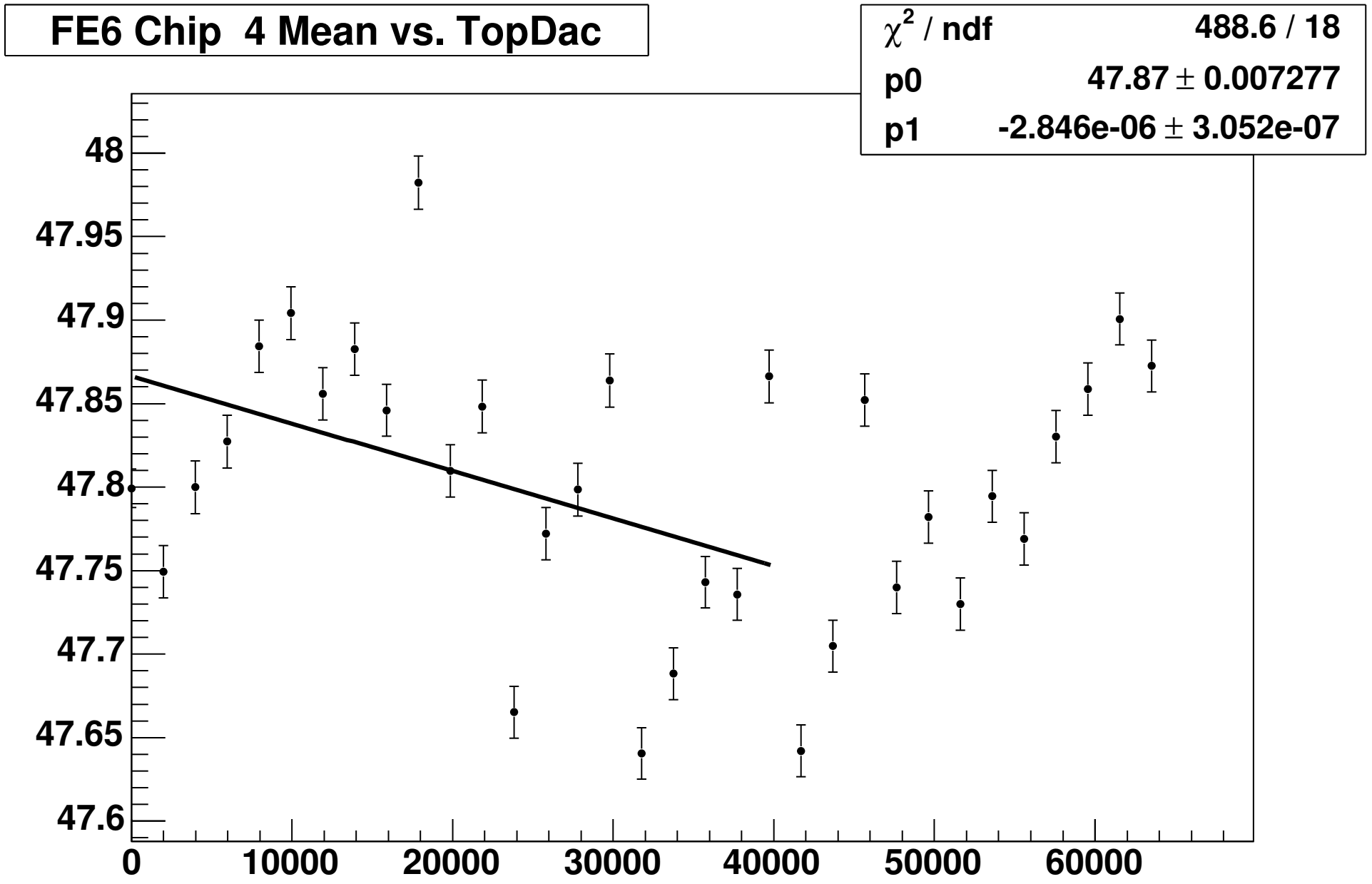

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 566.8 / 18
p0 1.348 ± 0.003884
p1 3.191e-05 ± 2.865e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

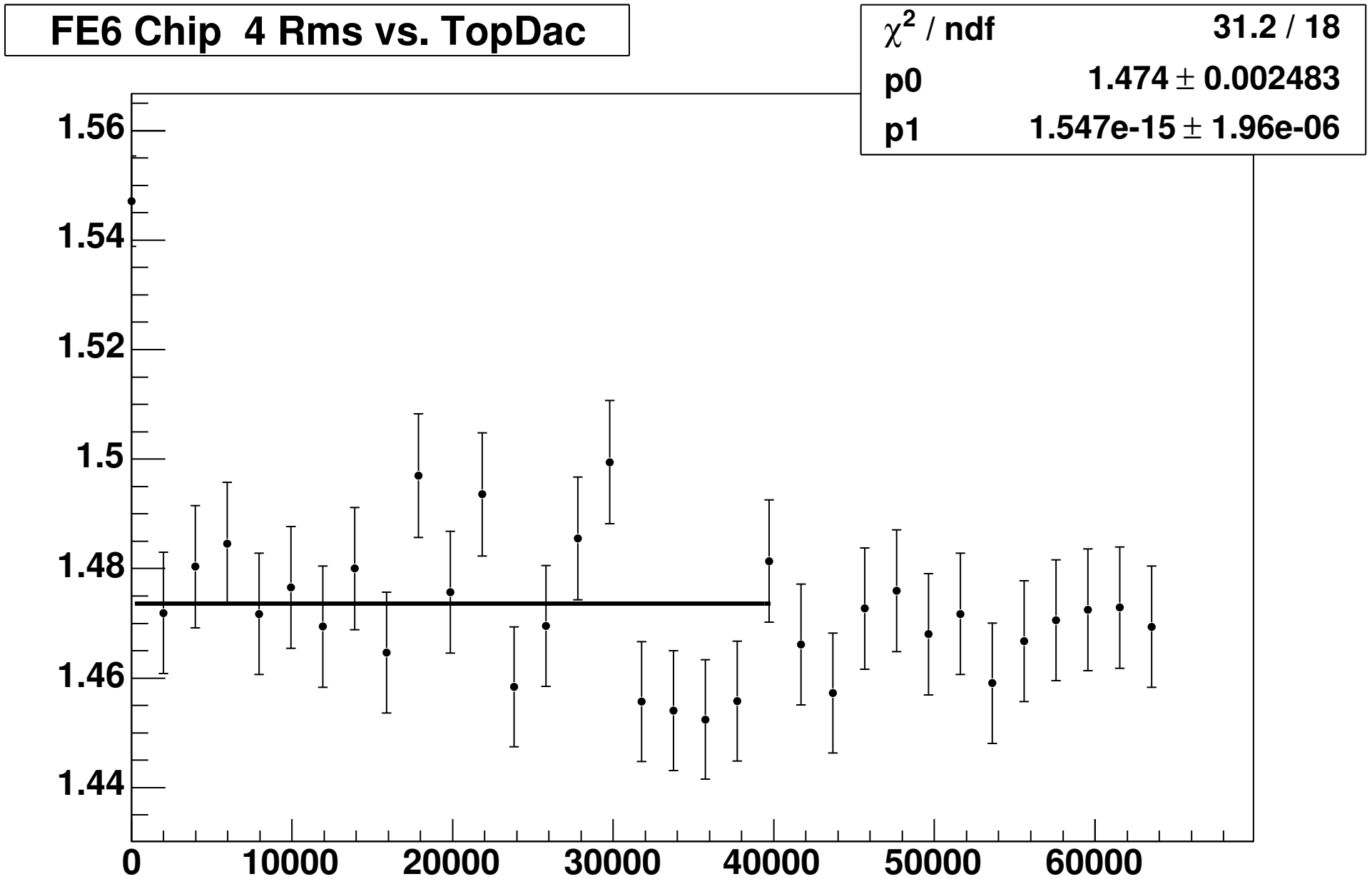

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 452.8 / 18
p0 51.21 ± 0.007097
p1 1.731e-07 ± 2.983e-07
51.4
51.35
51.3
51.25
51.2
51.15
51.1
51.05
0
10000
20000
30000
40000
50000
60000

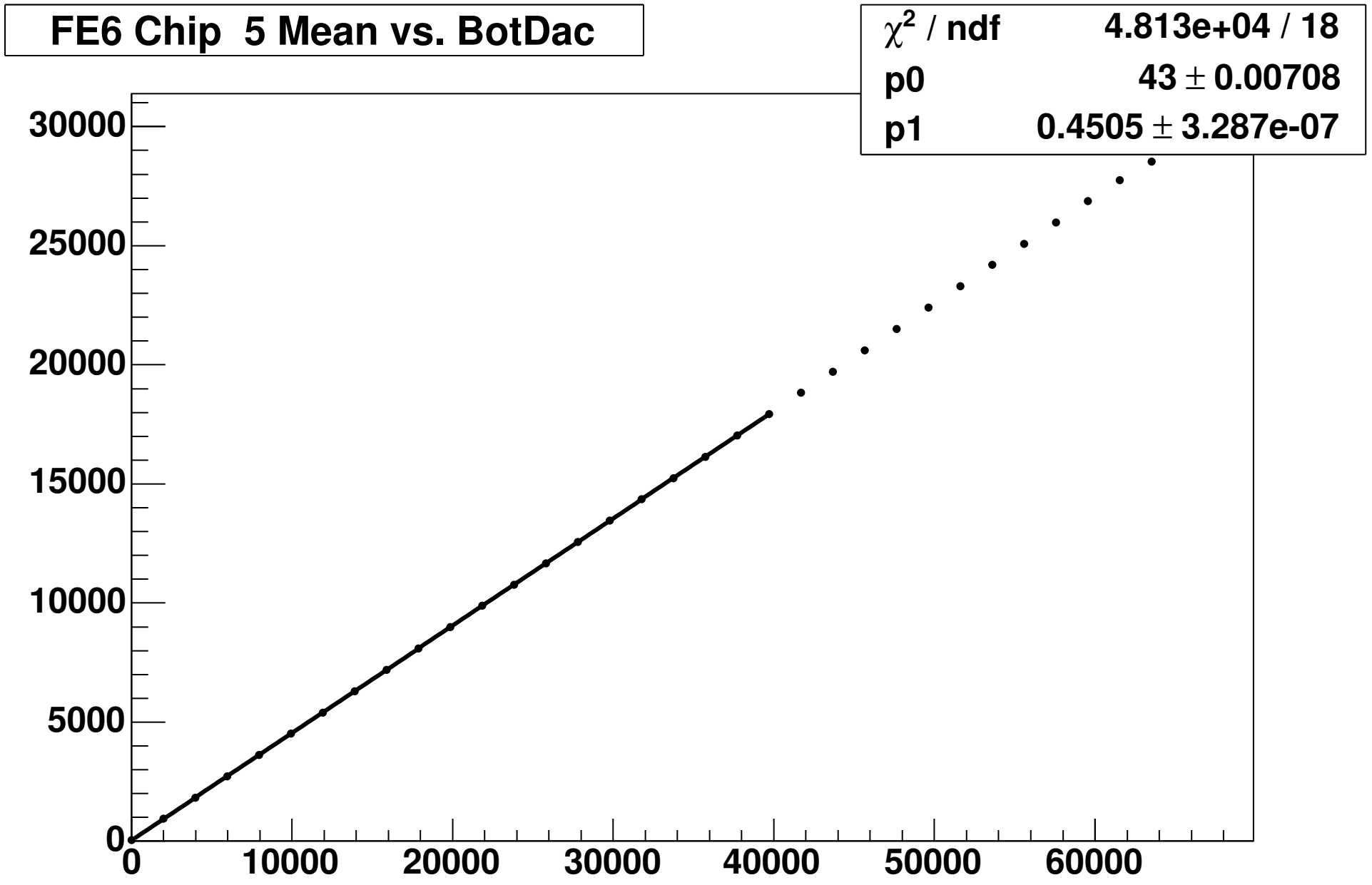

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 13.49 / 18
p0 1.436 ± 0.002418
p1 1.722e-13 ± 4.561e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

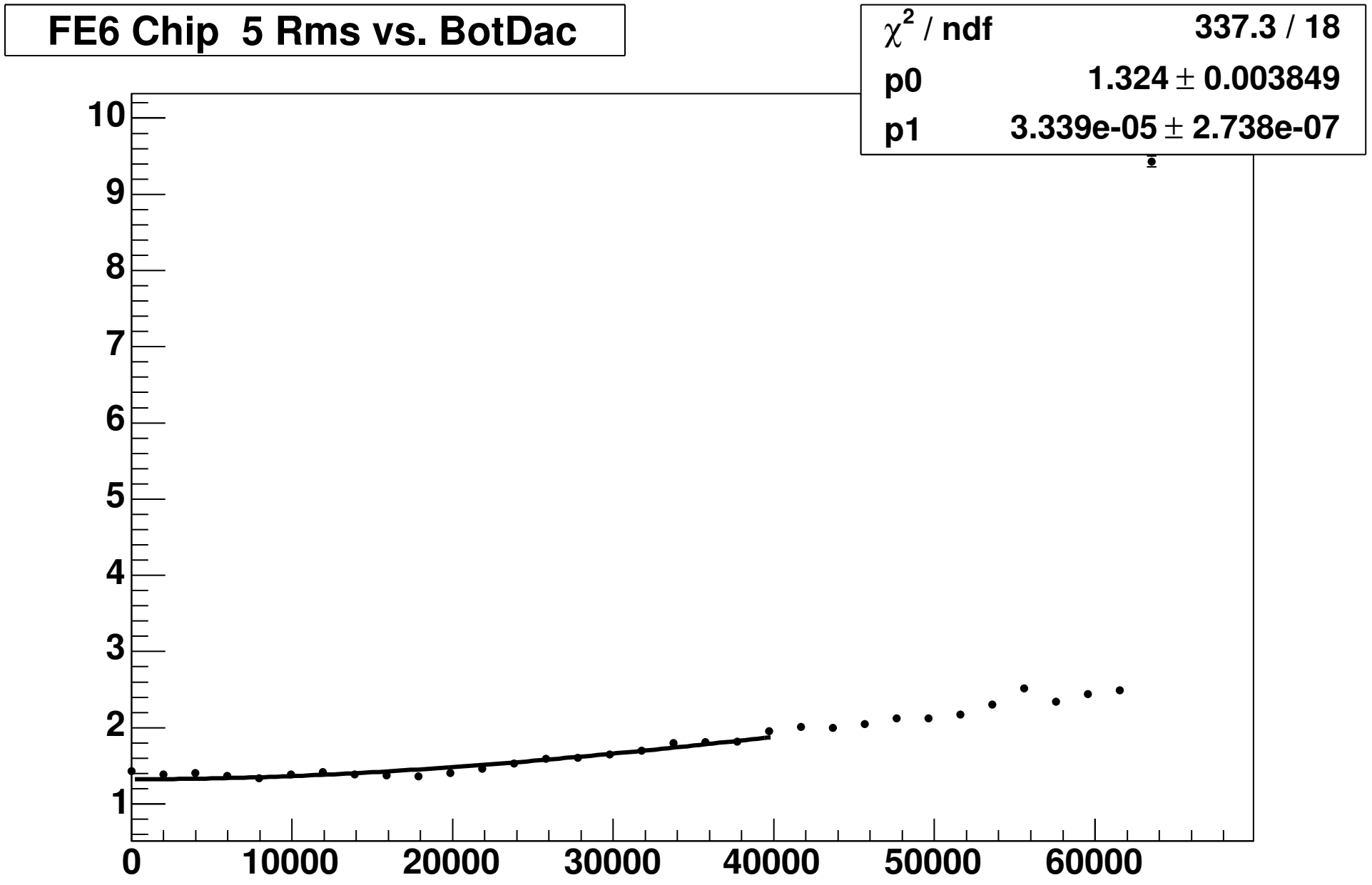

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 6.342e+04 / 18
p0 47.45 ± 0.00711
p1 0.4505 ± 3.31e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

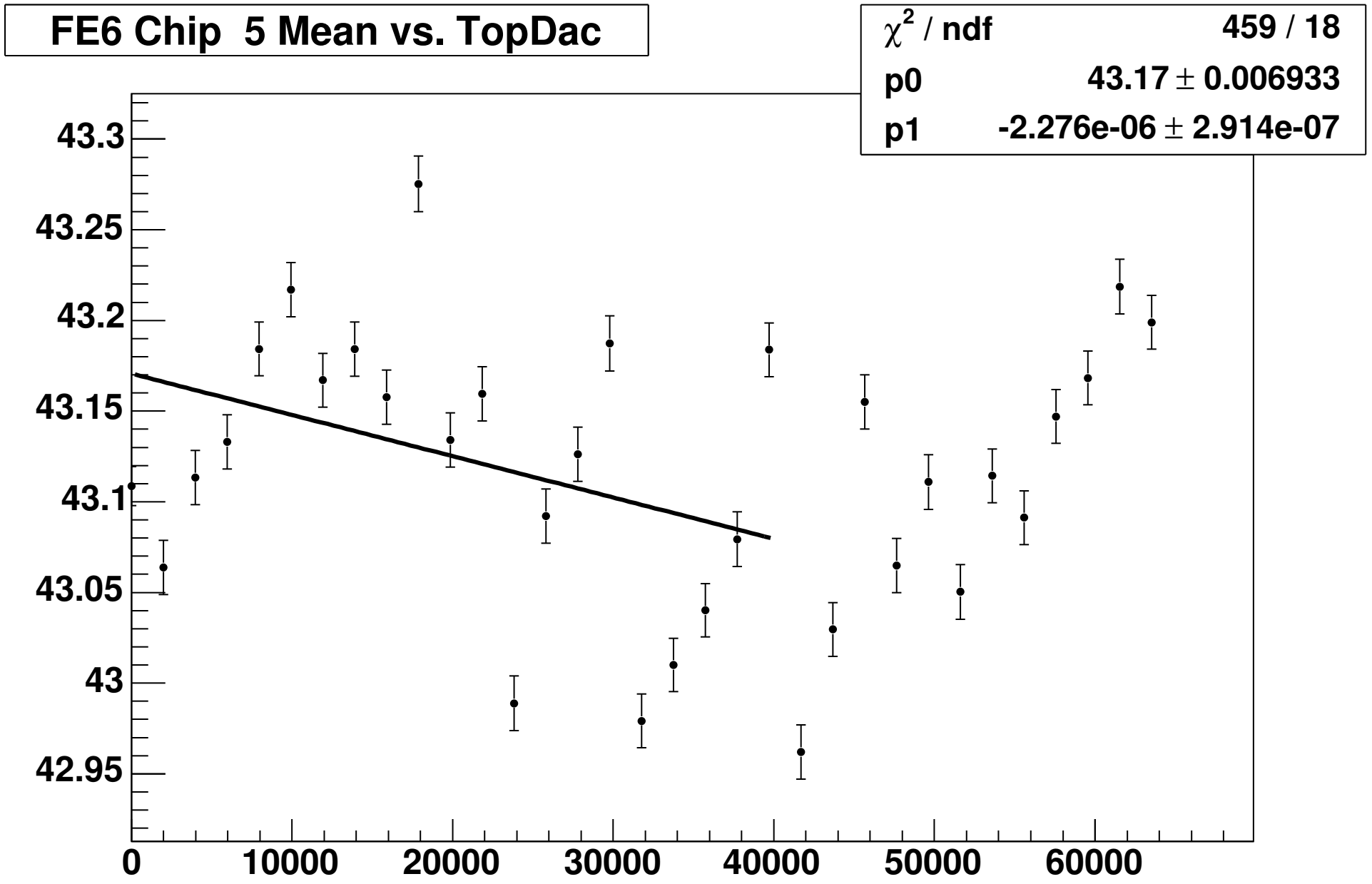

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 255.6 / 18
p0 1.331 ± 0.003877
p1 3.422e-05 ± 2.728e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

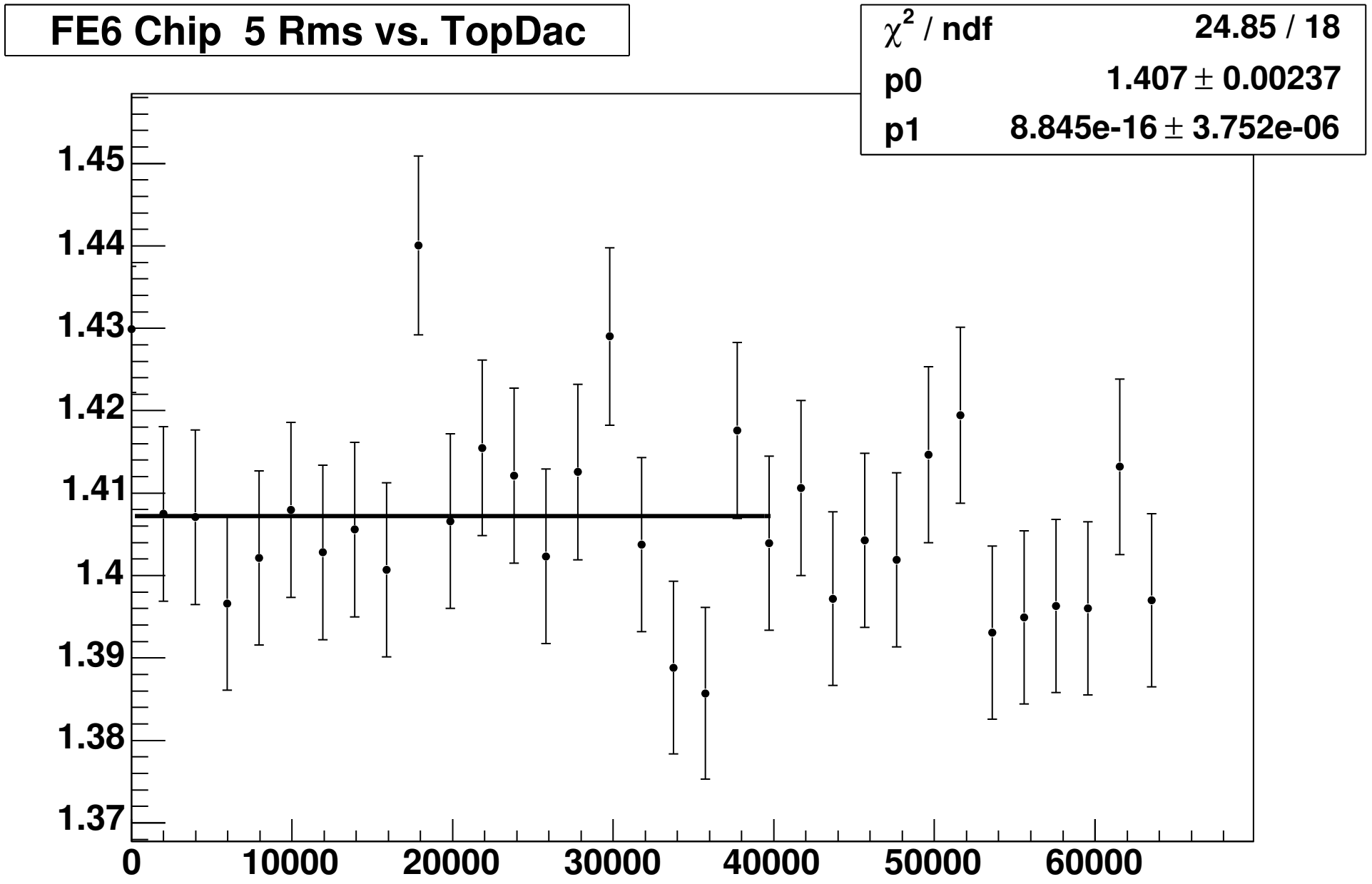

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 488.6 / 18
p0 47.87 ± 0.007277
p1 -2.846e-06 ± 3.052e-07
48
47.95
47.9
47.85
47.8
47.75
47.7
47.65
47.6
0
10000
20000
30000
40000
50000
60000

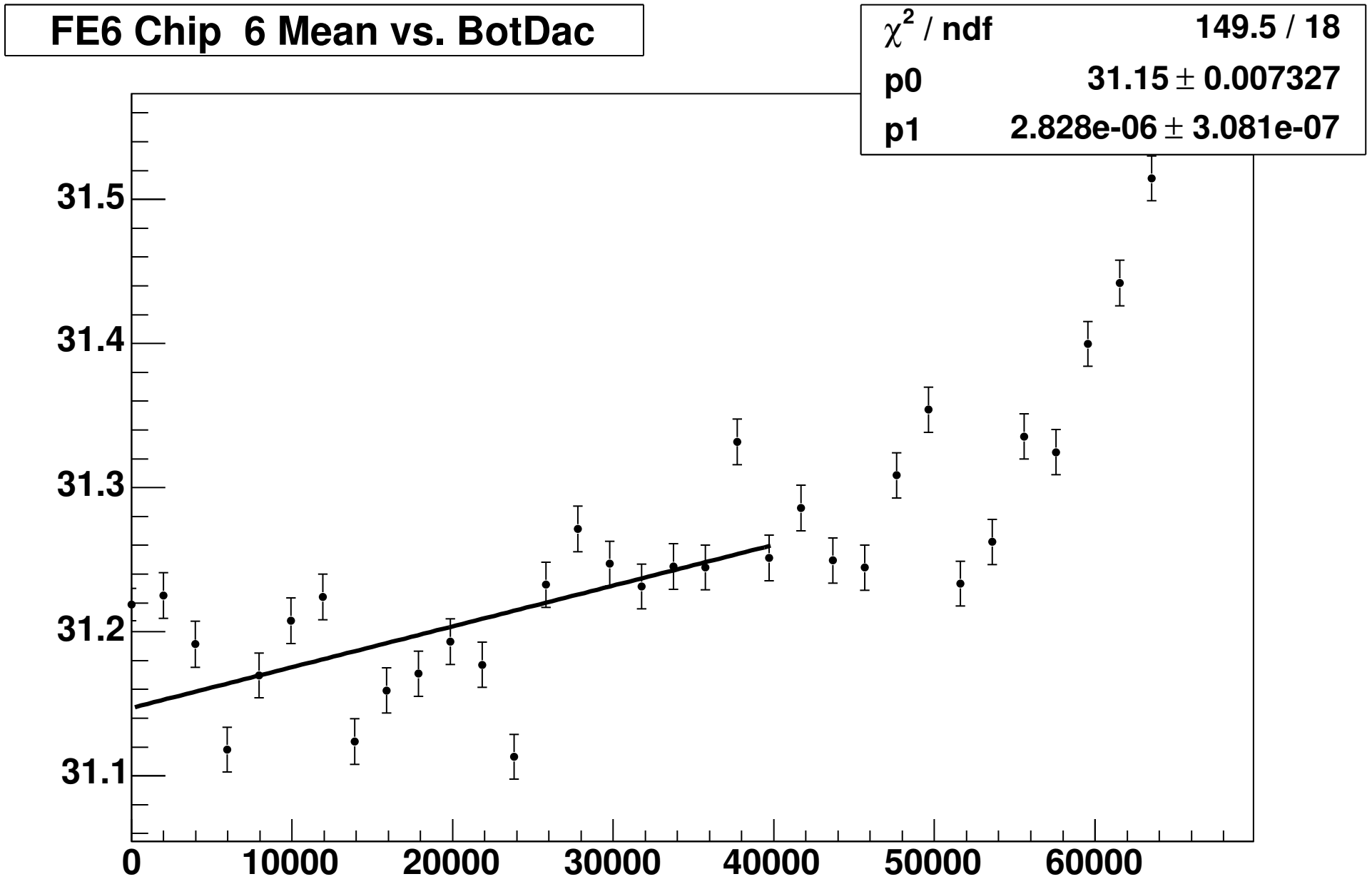

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 31.2 / 18
p0 1.474 ± 0.002483
p1 1.547e-15 ± 1.96e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

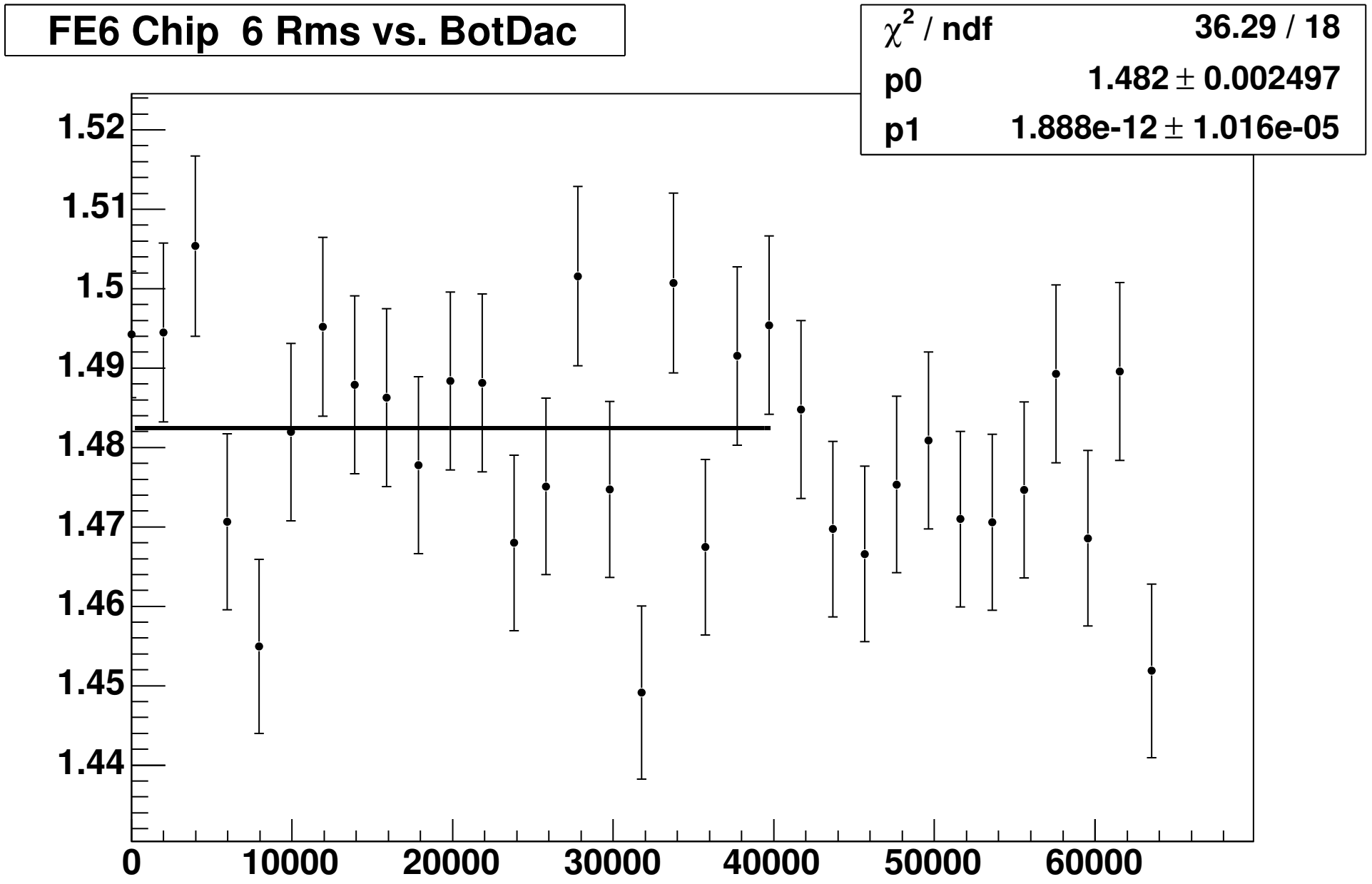

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 4.813e+04 / 18
p0 43 ± 0.00708
p1 0.4505 ± 3.287e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

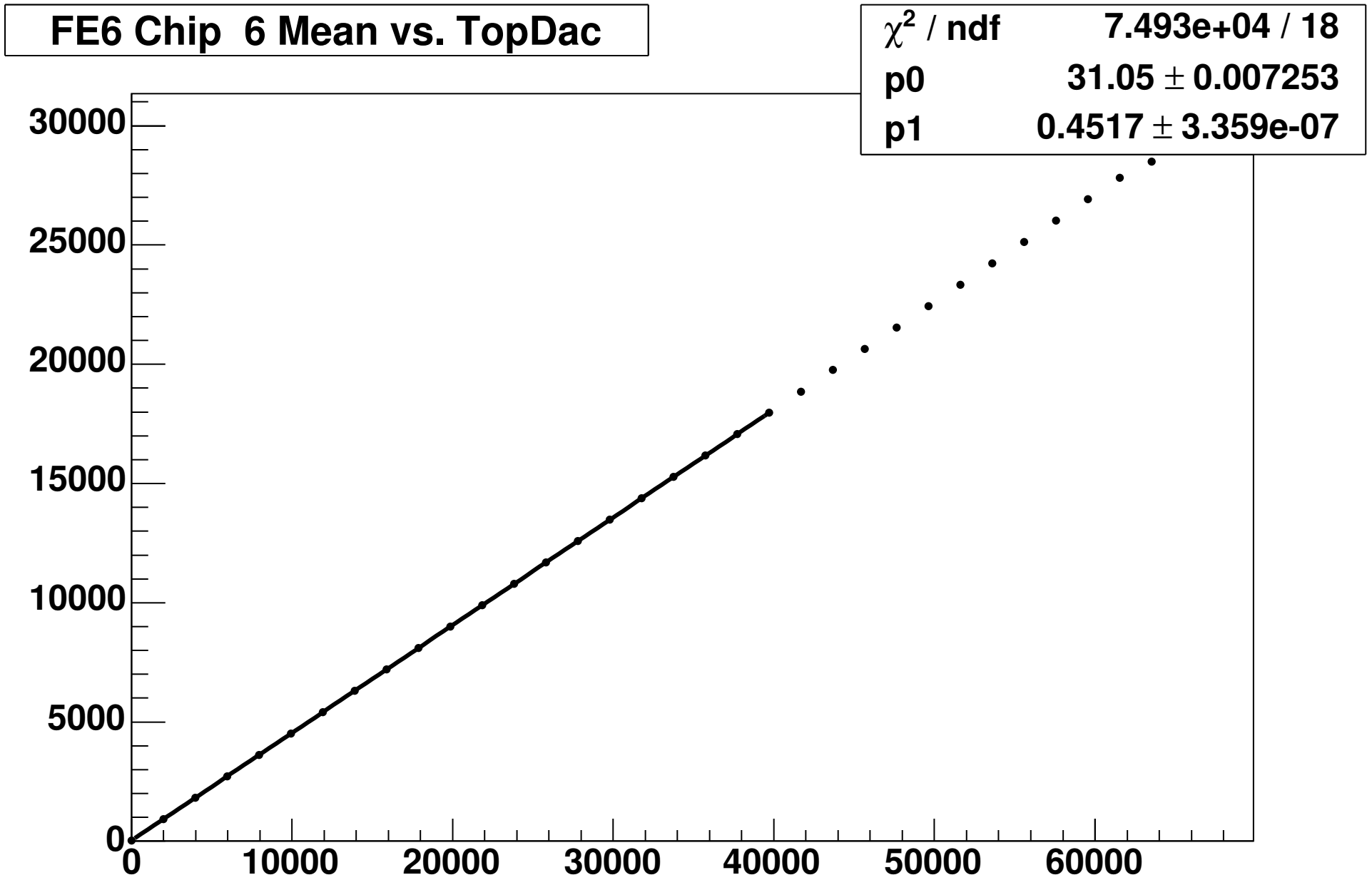

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 337.3 / 18
p0 1.324 ± 0.003849
p1 3.339e-05 ± 2.738e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

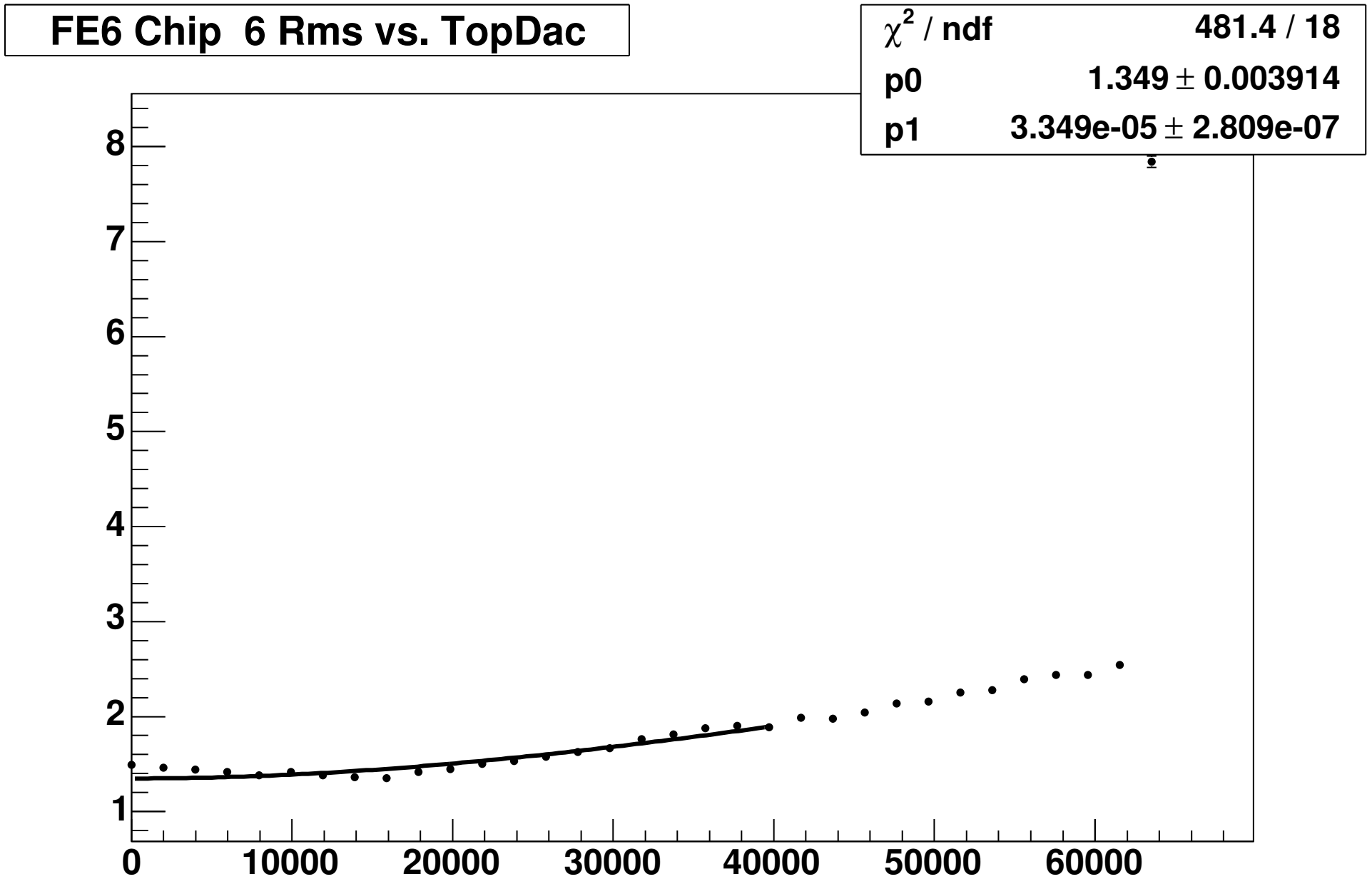

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 459 / 18
p0 43.17 ± 0.006933
p1 -2.276e-06 ± 2.914e-07
43.3
43.25
43.2
43.15
43.1
43.05
43
42.95
0
10000
20000
30000
40000
50000
60000

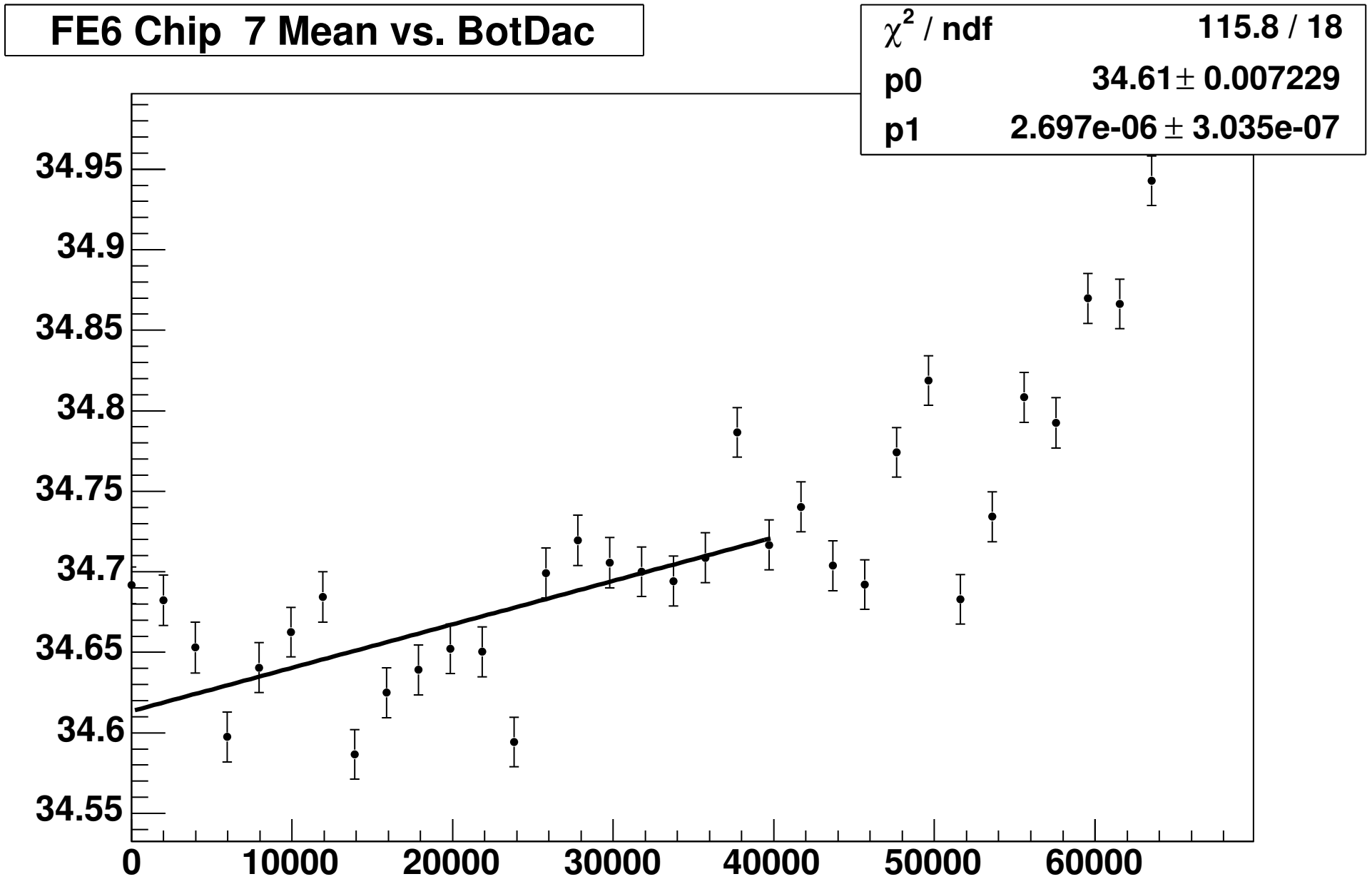

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 24.85 / 18
p0 1.407 ± 0.00237
p1 8.845e-16 ± 3.752e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
50000
60000

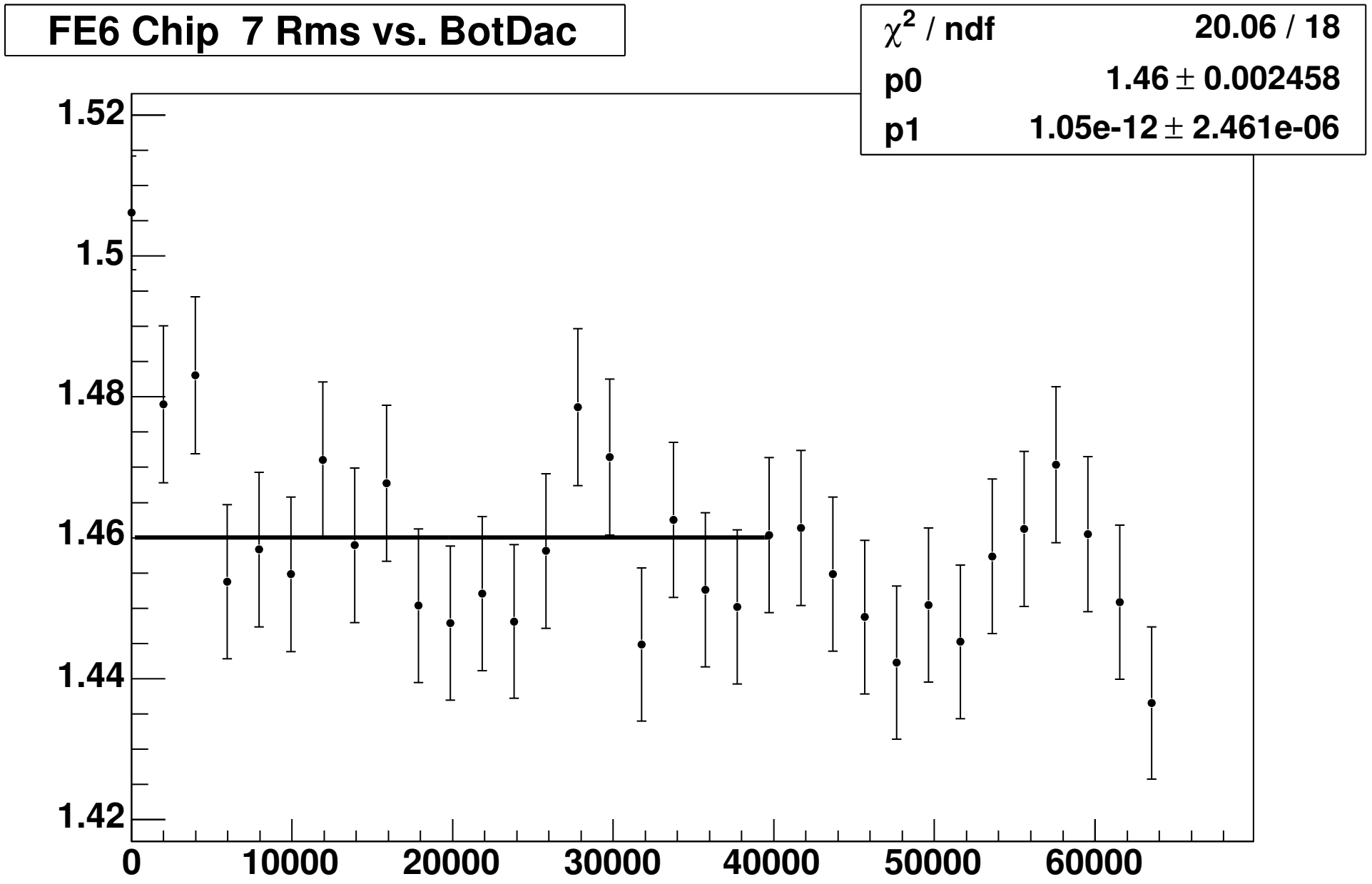

FE6 Chip 6 Mean vs. BotDac
χ^2 / ndf 149.5 / 18
p0 31.15 ± 0.007327
p1 2.828e-06 ± 3.081e-07
31.5
31.4
31.3
31.2
31.1
0
10000
20000
30000
40000
50000
60000

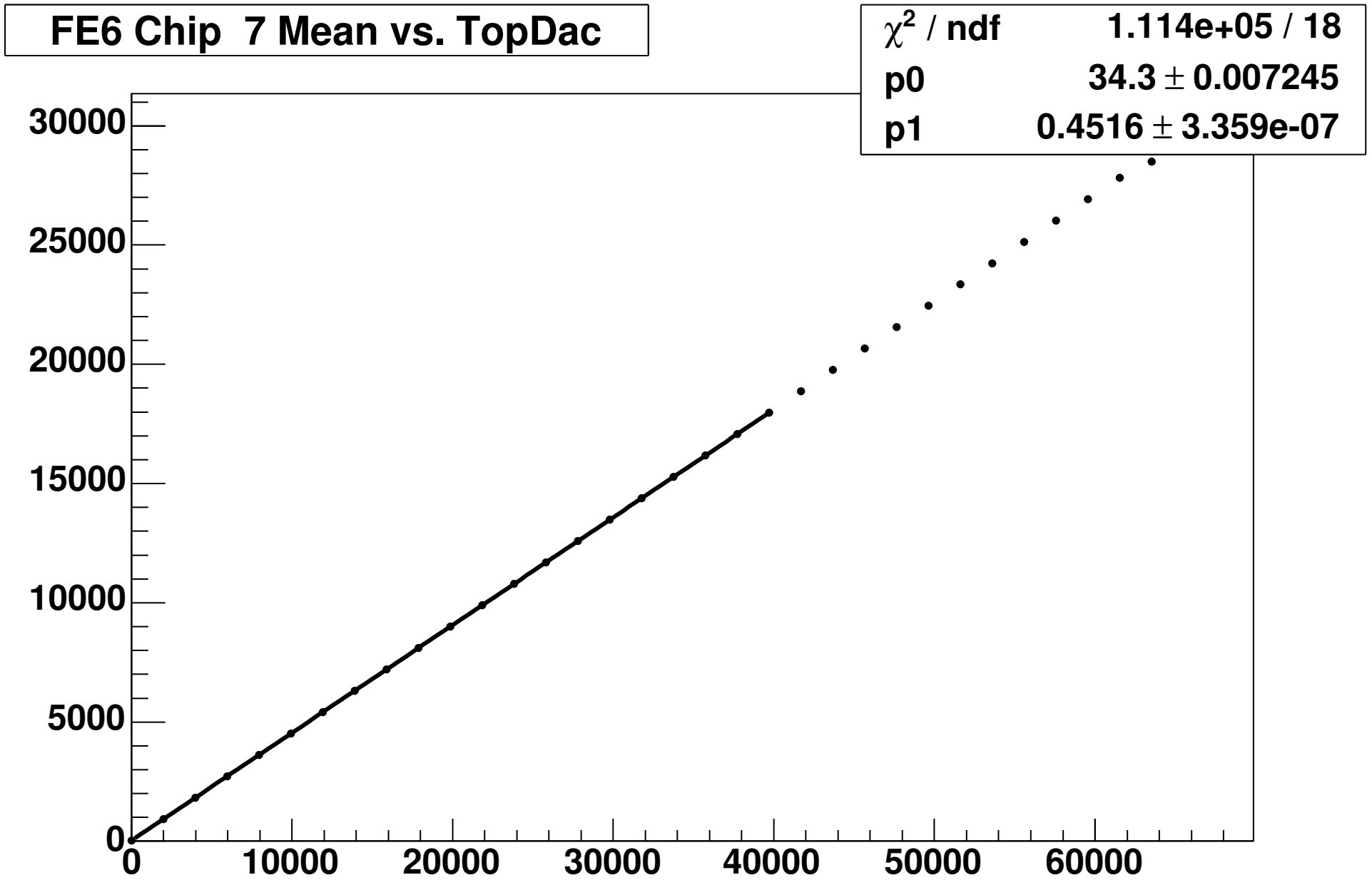

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 36.29 / 18
p0 1.482 ± 0.002497
p1 1.888e-12 ± 1.016e-05
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

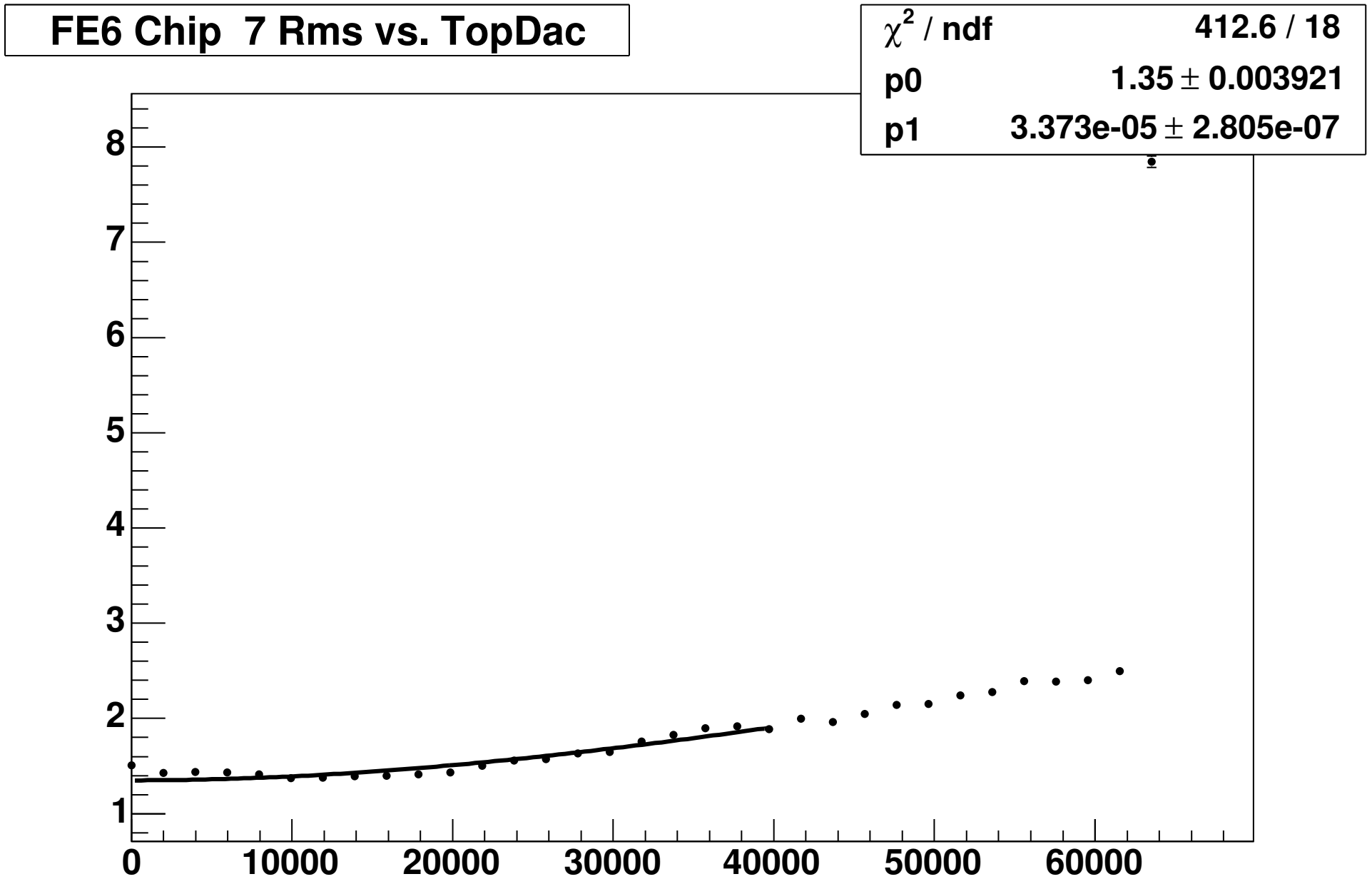

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 7.493e+04 / 18
p0 31.05 ± 0.007253
p1 0.4517 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

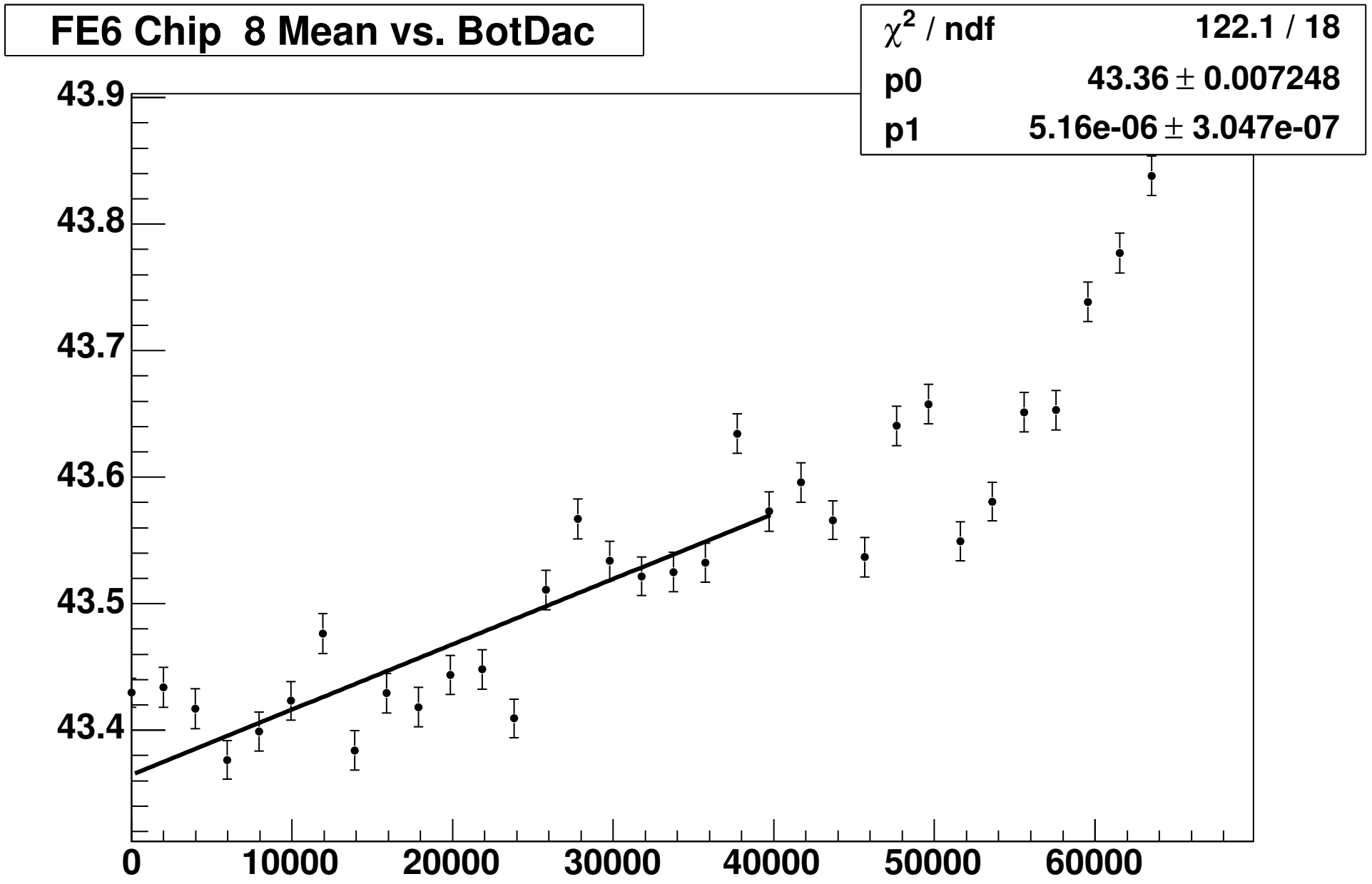

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 481.4 / 18
p0 1.349 ± 0.003914
p1 3.349e-05 ± 2.809e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

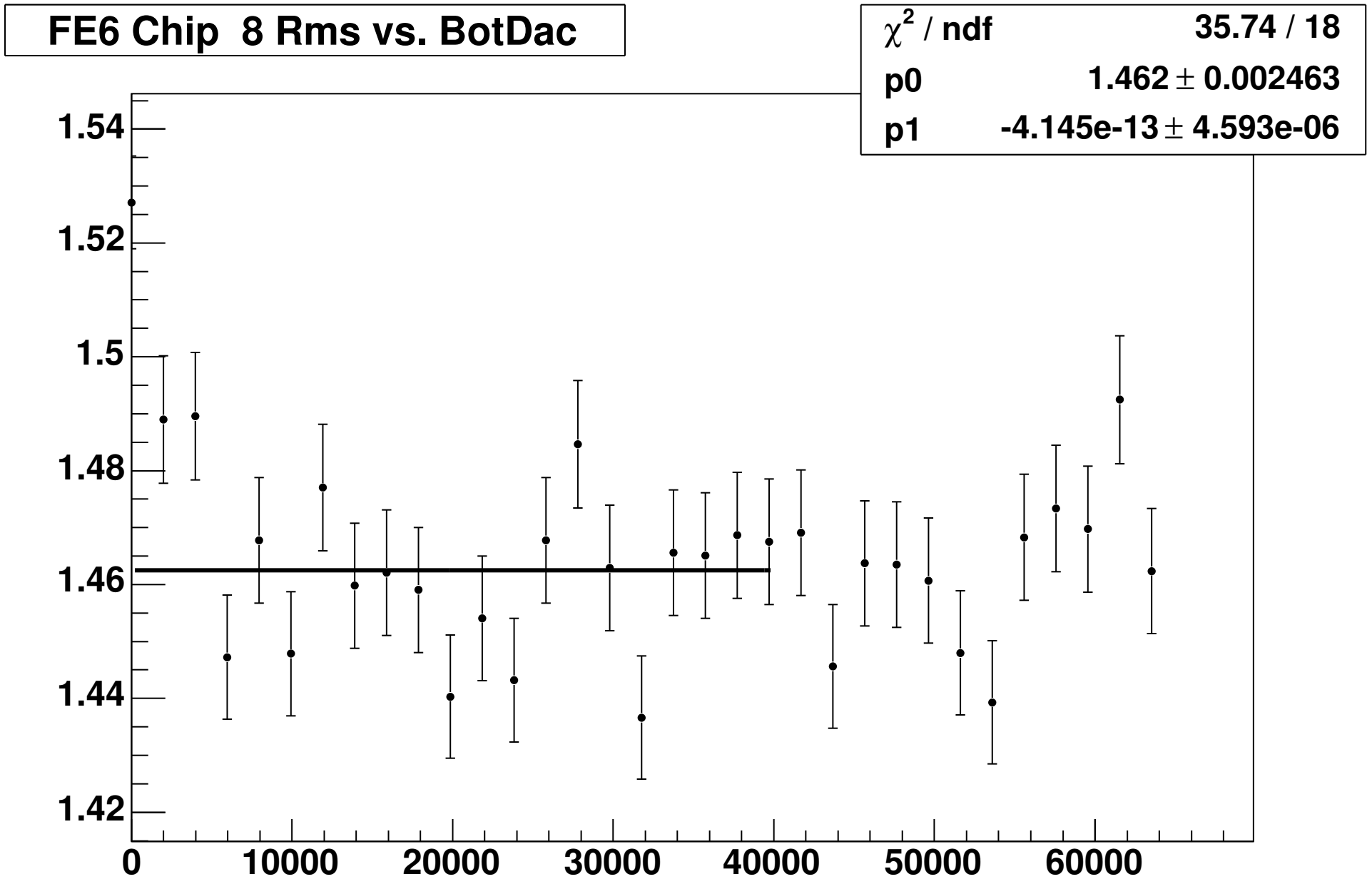

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 115.8 / 18
p0 34.61 ± 0.007229
p1 2.697e-06 ± 3.035e-07
34.95
34.9
34.85
34.8
34.75
34.7
34.65
34.6
34.55
0
10000
20000
30000
40000
50000
60000

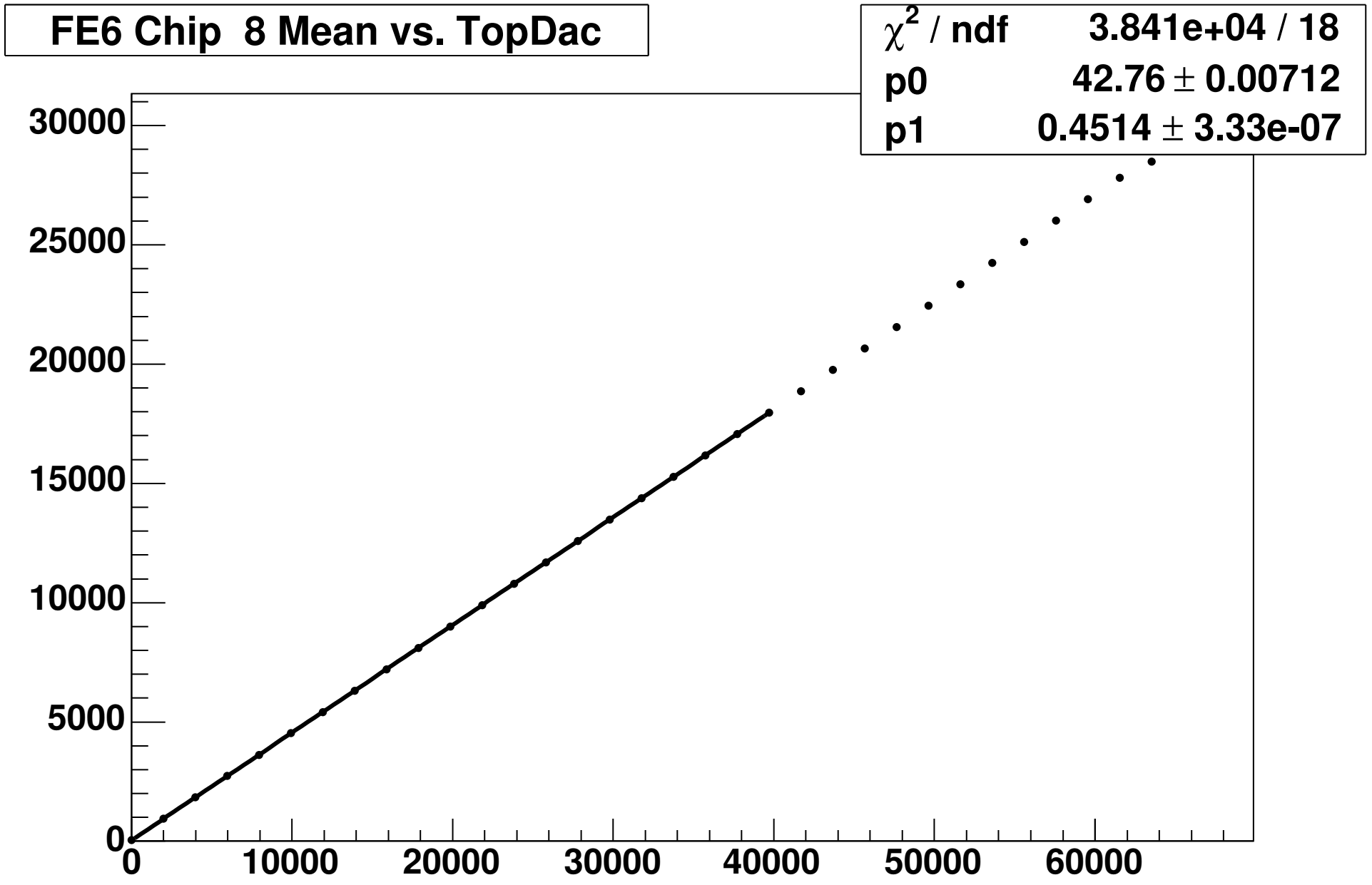

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 20.06 / 18
p0 1.46 ± 0.002458
p1 1.05e-12 ± 2.461e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

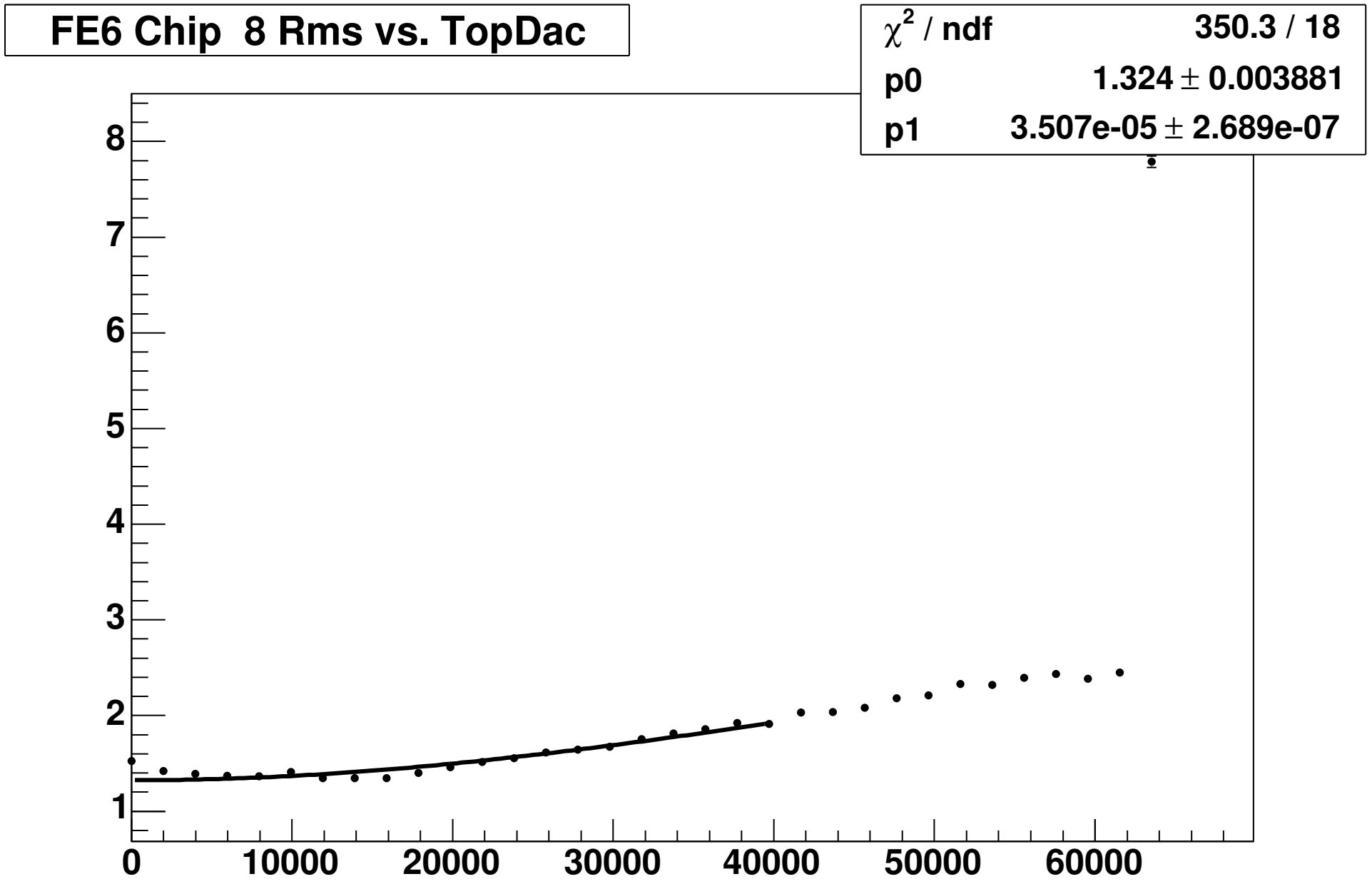

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.114e+05 / 18
p0 34.3 ± 0.007245
p1 0.4516 ± 3.359e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

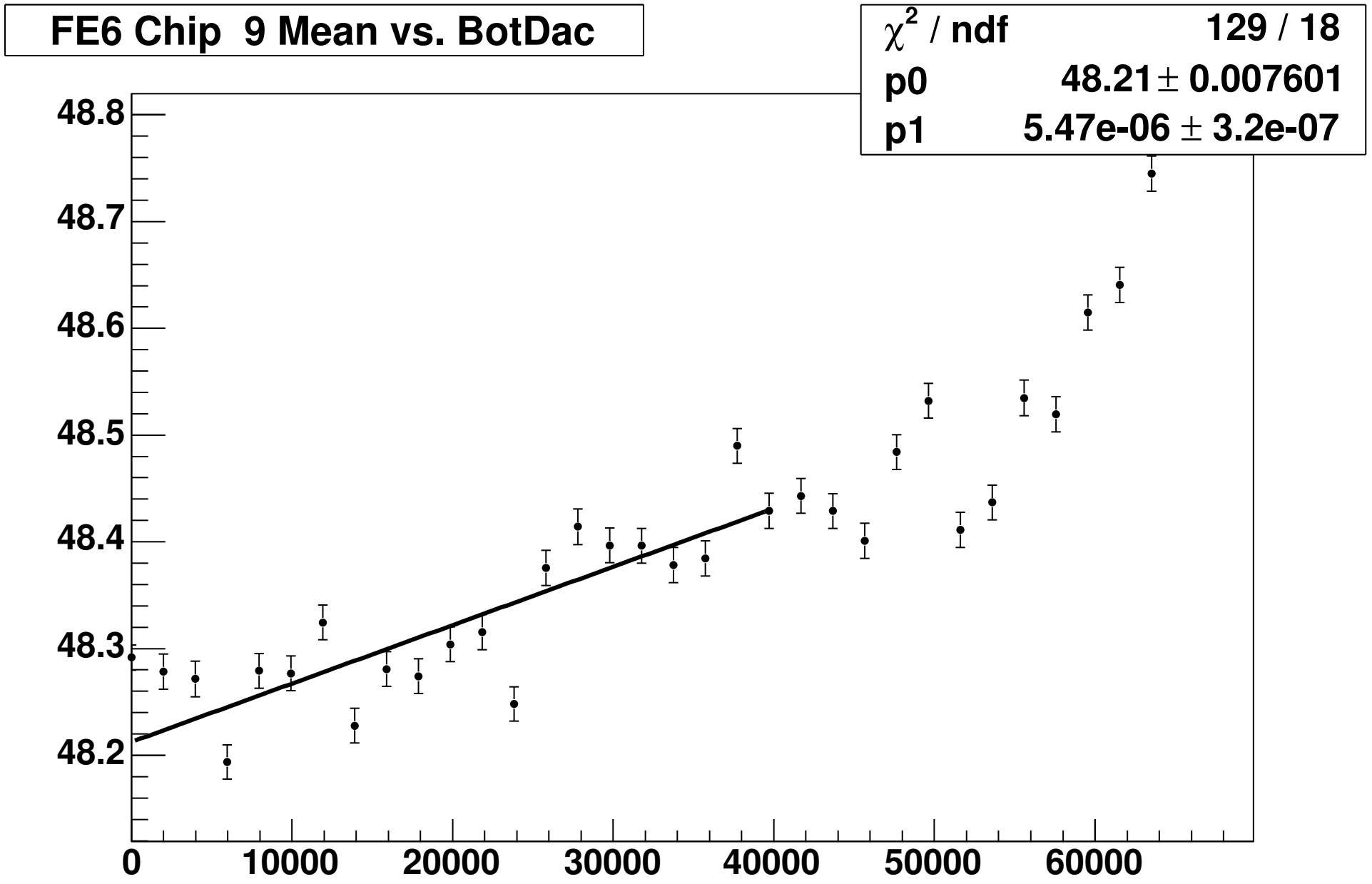

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 412.6 / 18
p0 1.35 ± 0.003921
p1 3.373e-05 ± 2.805e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

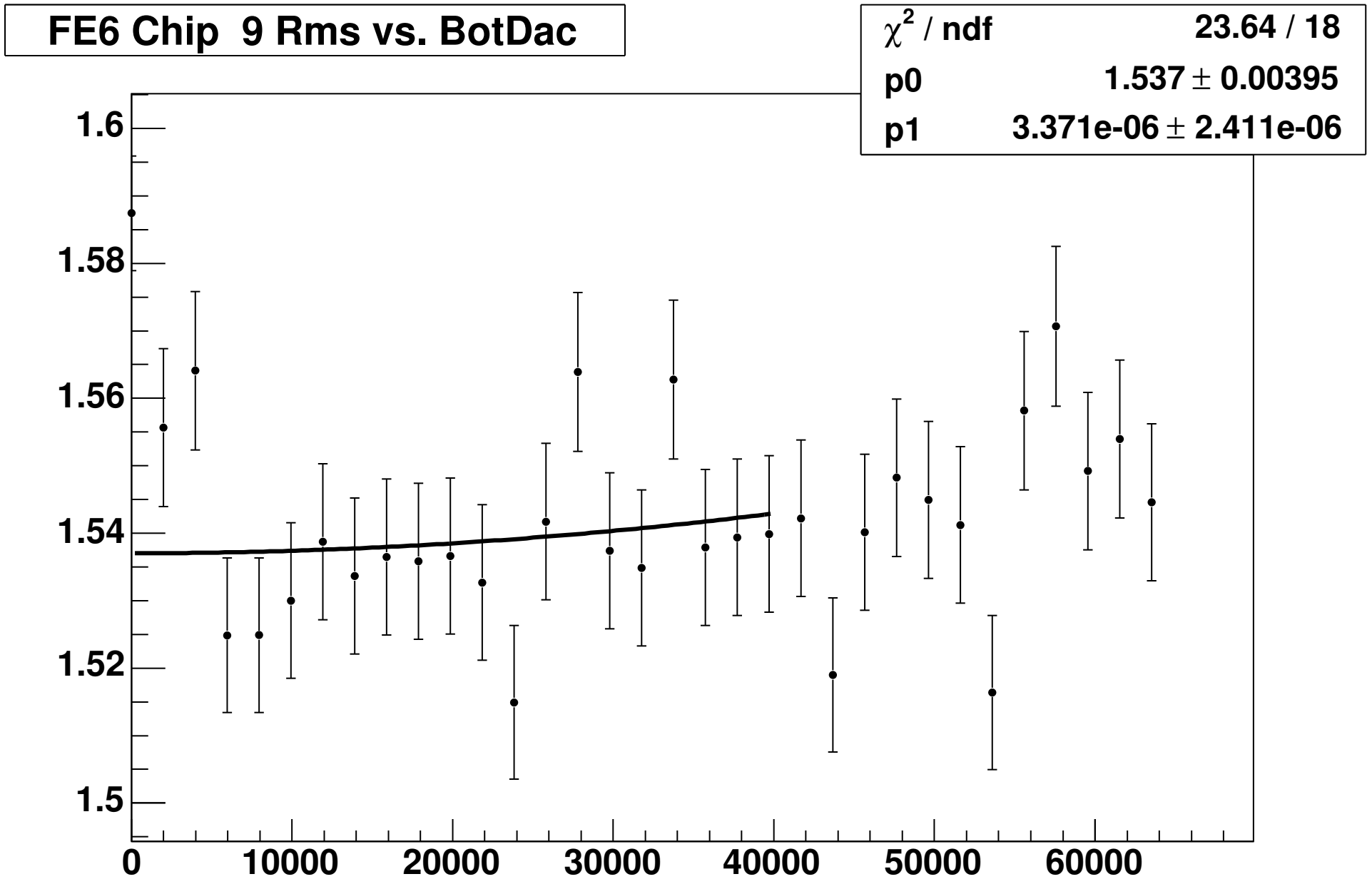

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 122.1 / 18
p0 43.36 ± 0.007248
p1 5.16e-06 ± 3.047e-07
43.9
43.8
43.7
43.6
43.5
43.4
0
10000
20000
30000
40000
50000
60000

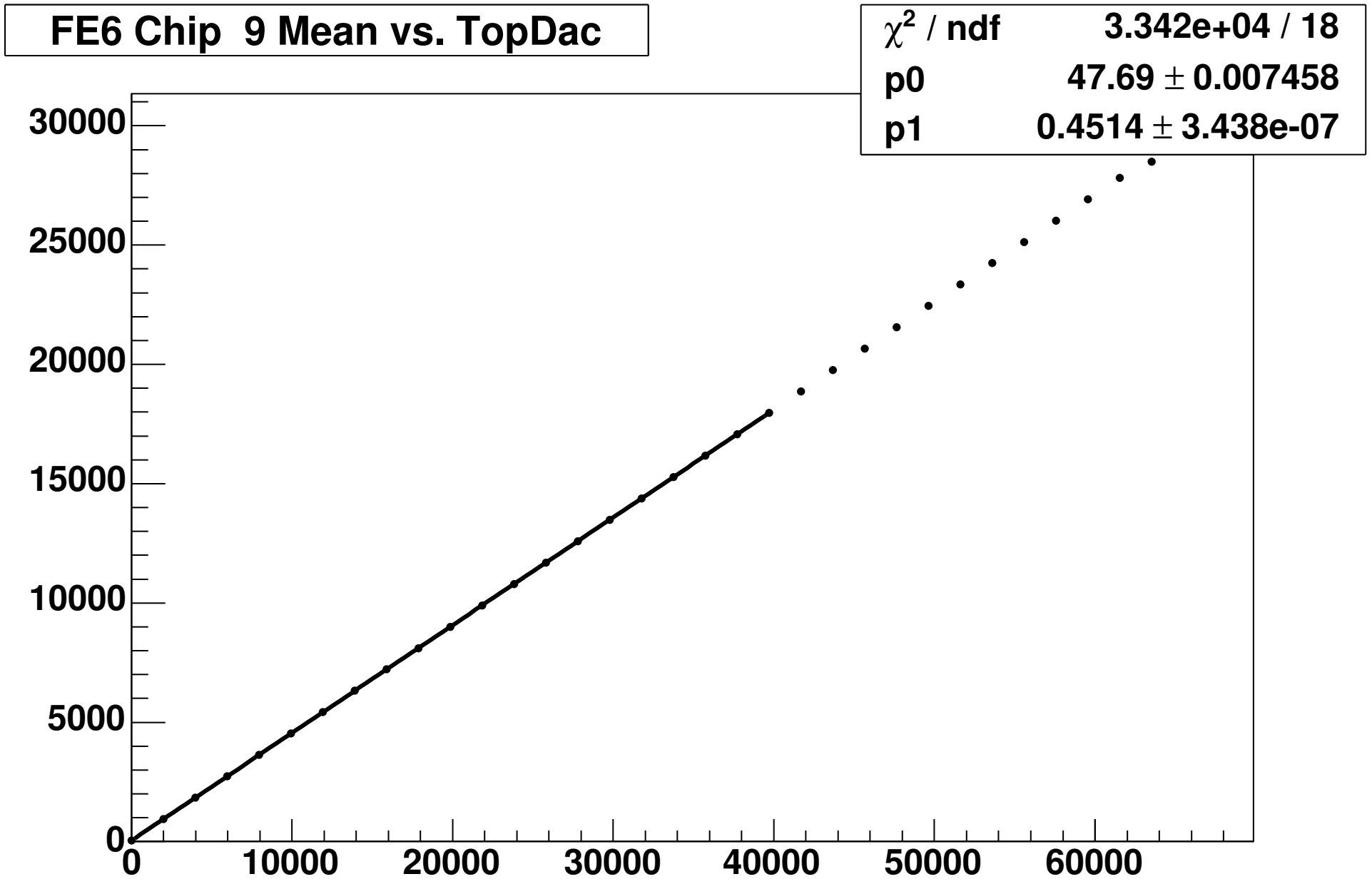

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 35.74 / 18
p0 1.462 ± 0.002463
p1 -4.145e-13 ± 4.593e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

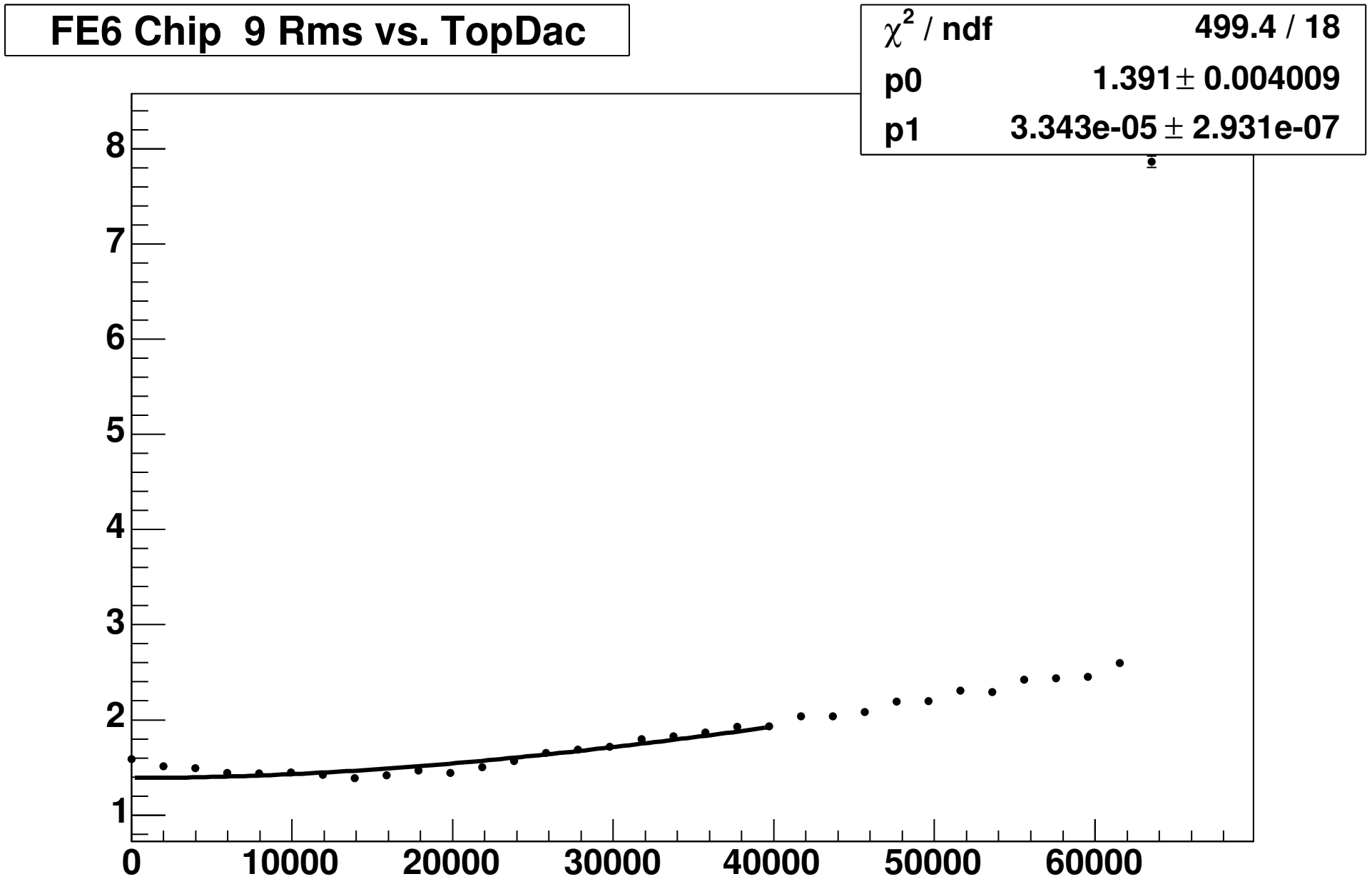

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 3.841e+04 / 18
p0 42.76 ± 0.00712
p1 0.4514 ± 3.33e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

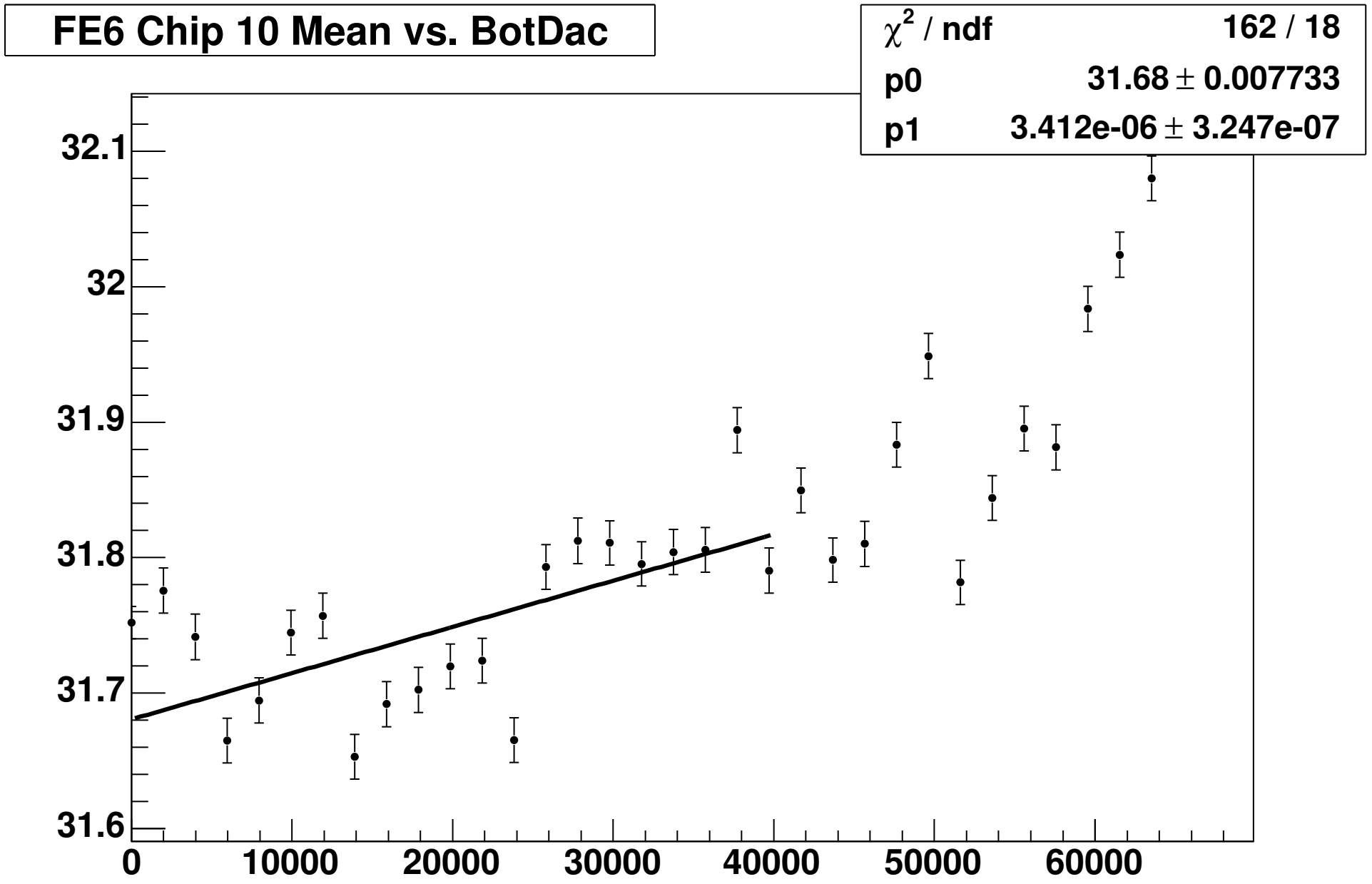

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 350.3 / 18
p0 1.324 ± 0.003881
p1 3.507e-05 ± 2.689e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

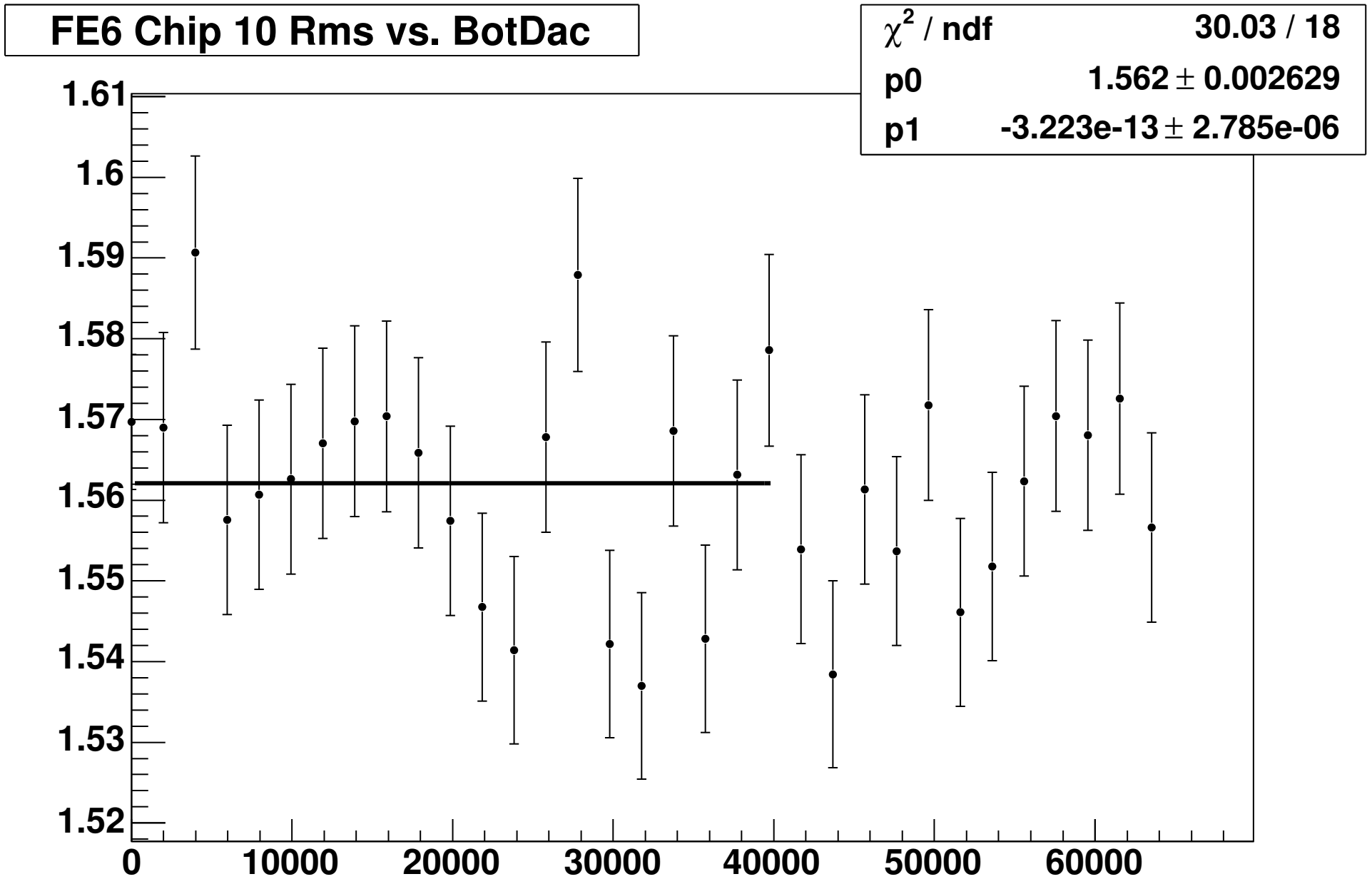

FE6 Chip 9 Mean vs. BotDac
χ^2 / ndf 129 / 18
p0 48.21 ± 0.007601
p1 5.47e-06 ± 3.2e-07
48.8
48.7
48.6
48.5
48.4
48.3
48.2
0
10000
20000
30000
40000
50000
60000

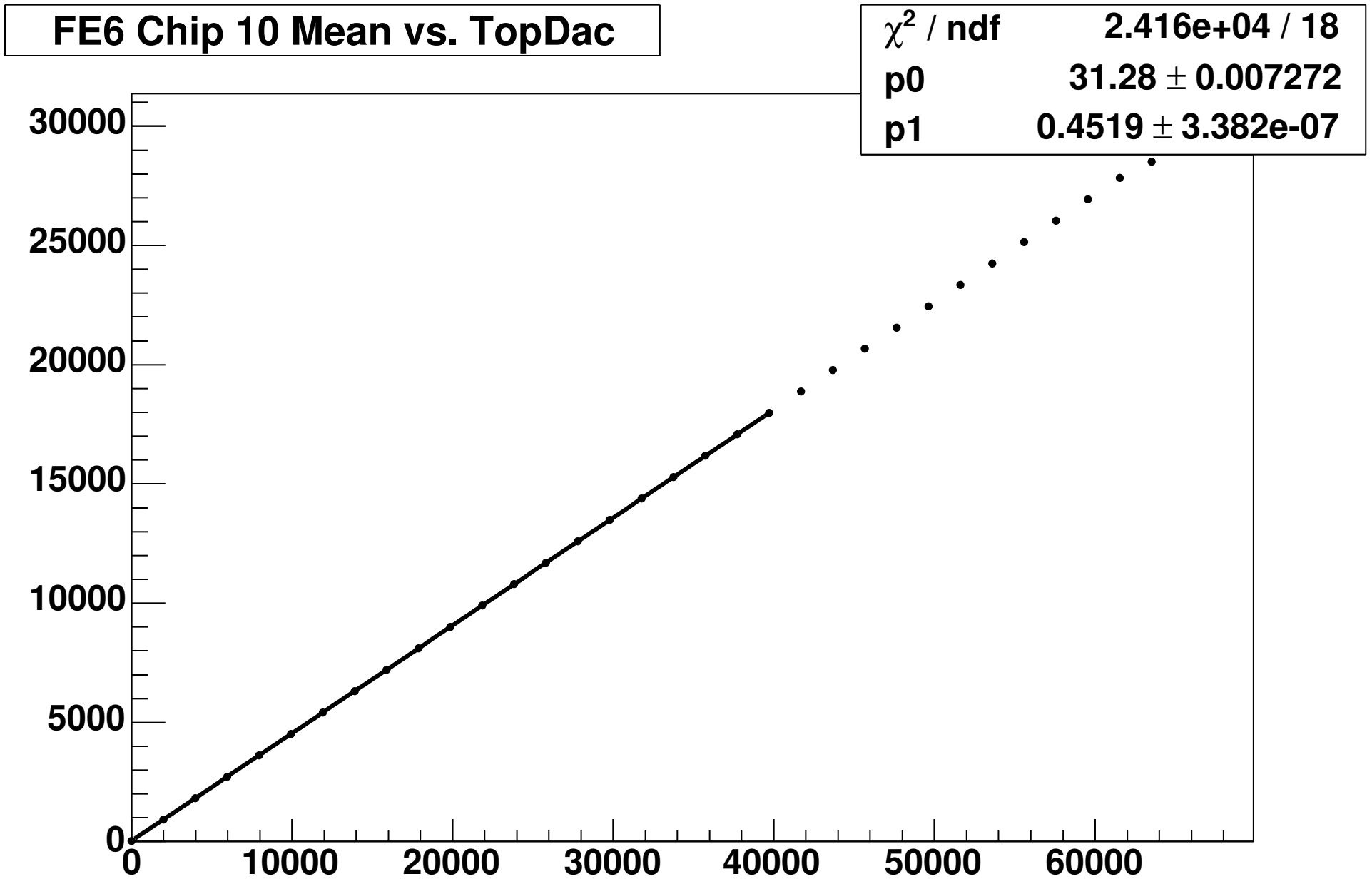

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 23.64 / 18
p0 1.537 ± 0.00395
p1 3.371e-06 ± 2.411e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

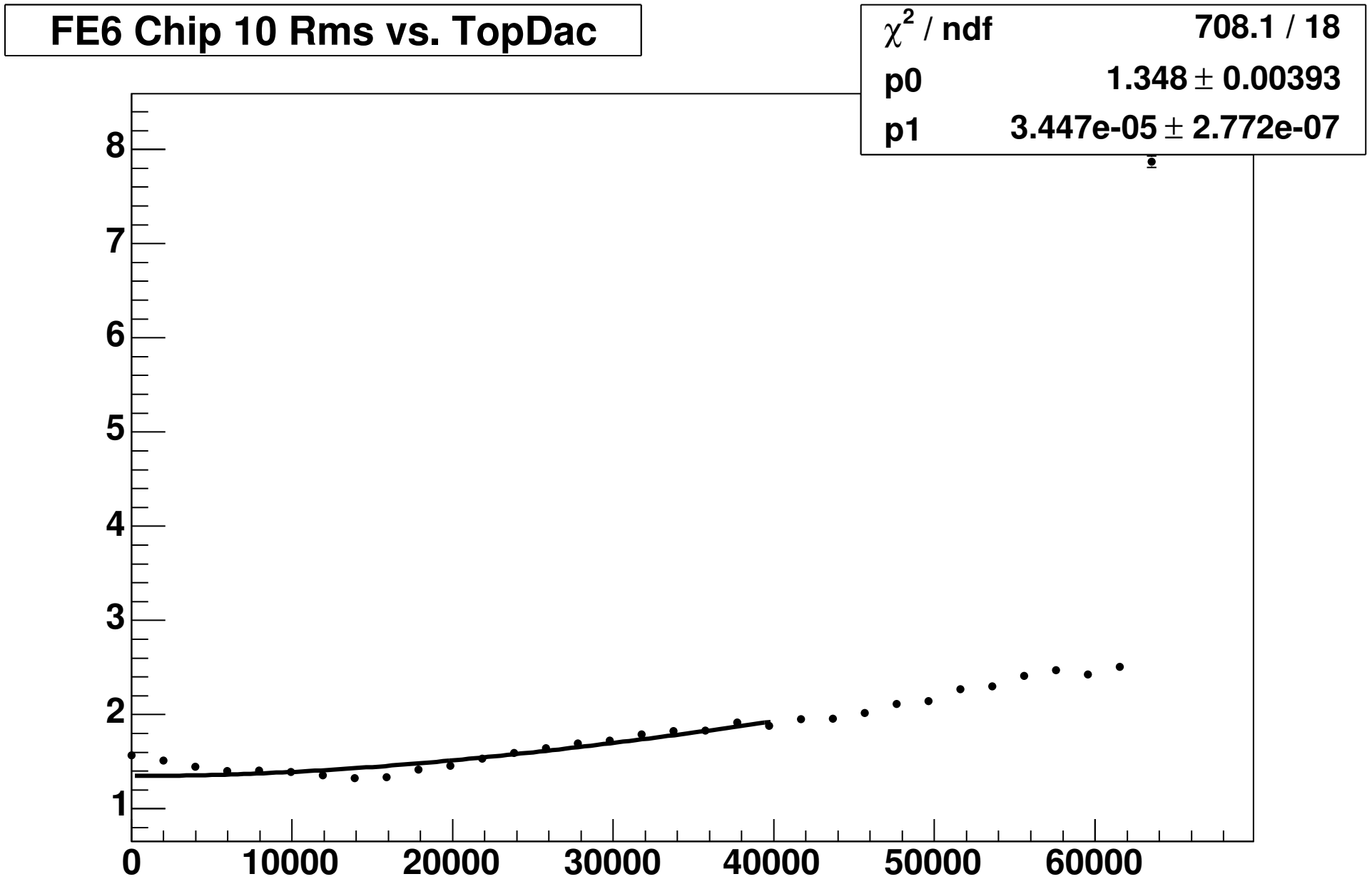

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 3.342e+04 / 18
p0 47.69 ± 0.007458
p1 0.4514 ± 3.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

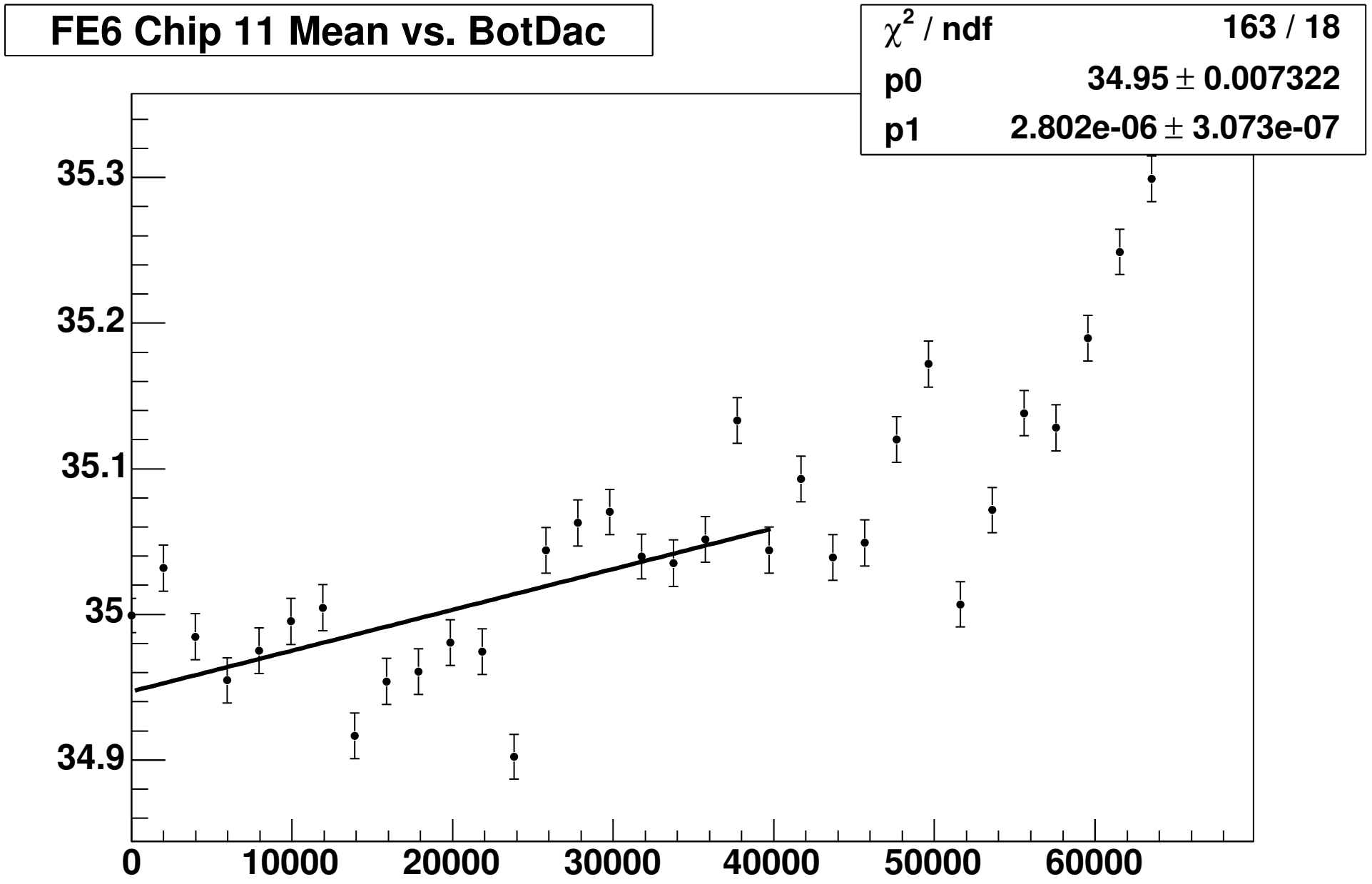

FE6 Chip 9 Rms vs. TopDac
χ² / ndf 499.4 / 18
p0 1.391 ± 0.004009
p1 3.343e-05 ± 2.931e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

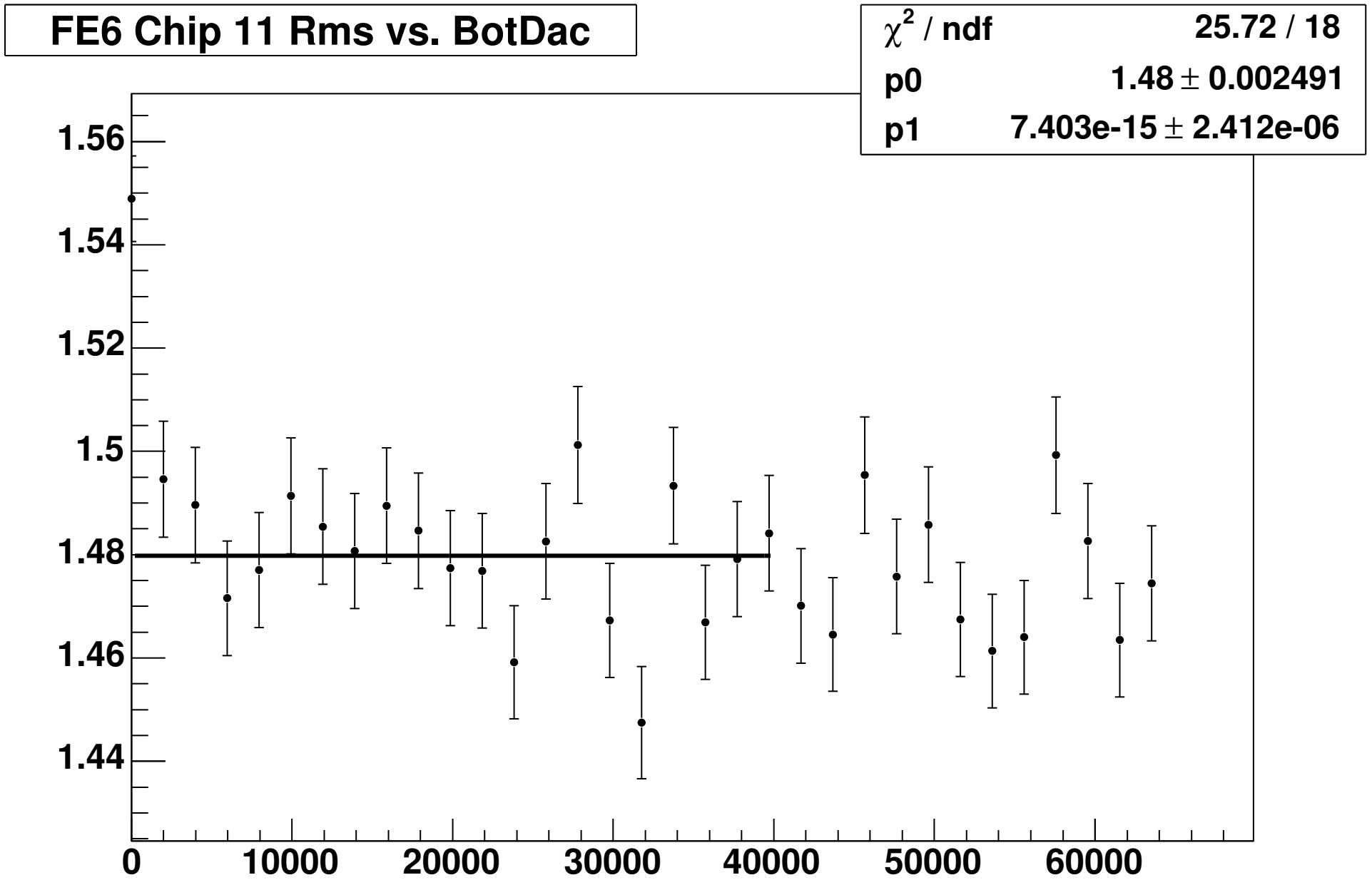

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 162 / 18
p0 31.68 ± 0.007733
p1 3.412e-06 ± 3.247e-07
32.1
32
31.9
31.8
31.7
31.6
0
10000
20000
30000
40000
50000
60000

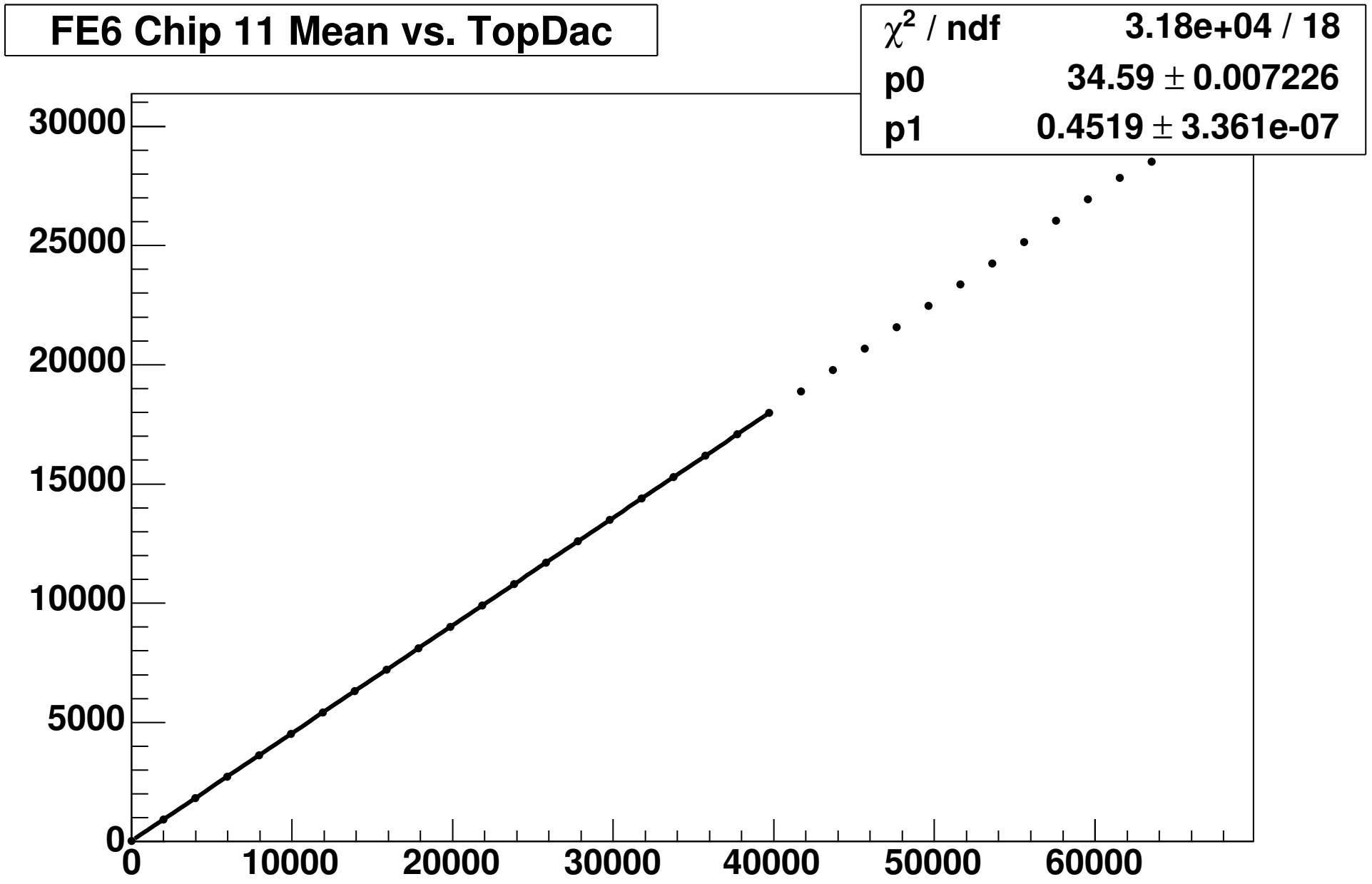

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 30.03 / 18
p0 1.562 ± 0.002629
p1 -3.223e-13 ± 2.785e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000

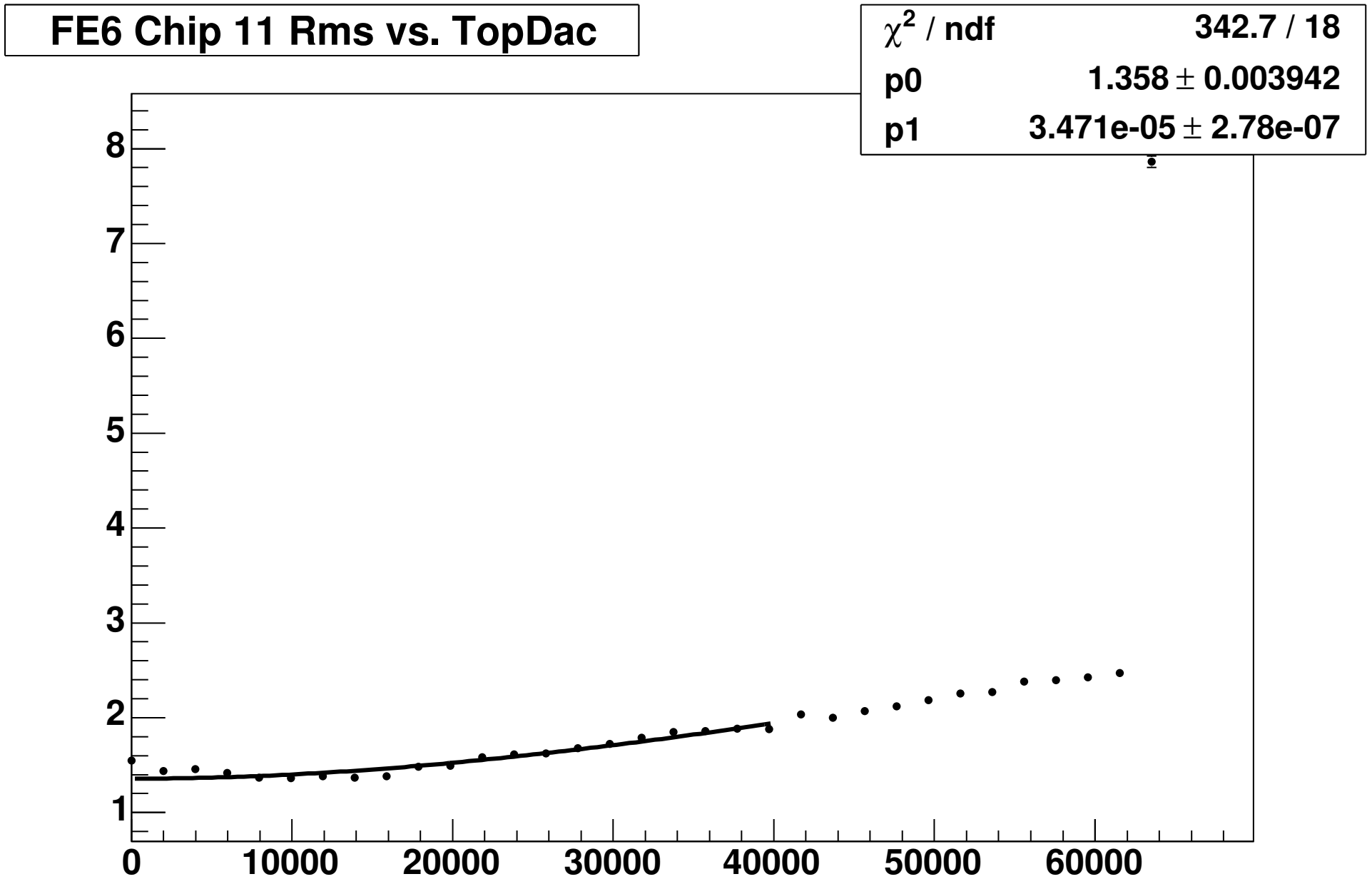

FE6 Chip 10 Mean vs. TopDac
χ² / ndf 2.416e+04 / 18
p0 31.28 ± 0.007272
p1 0.4519 ± 3.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

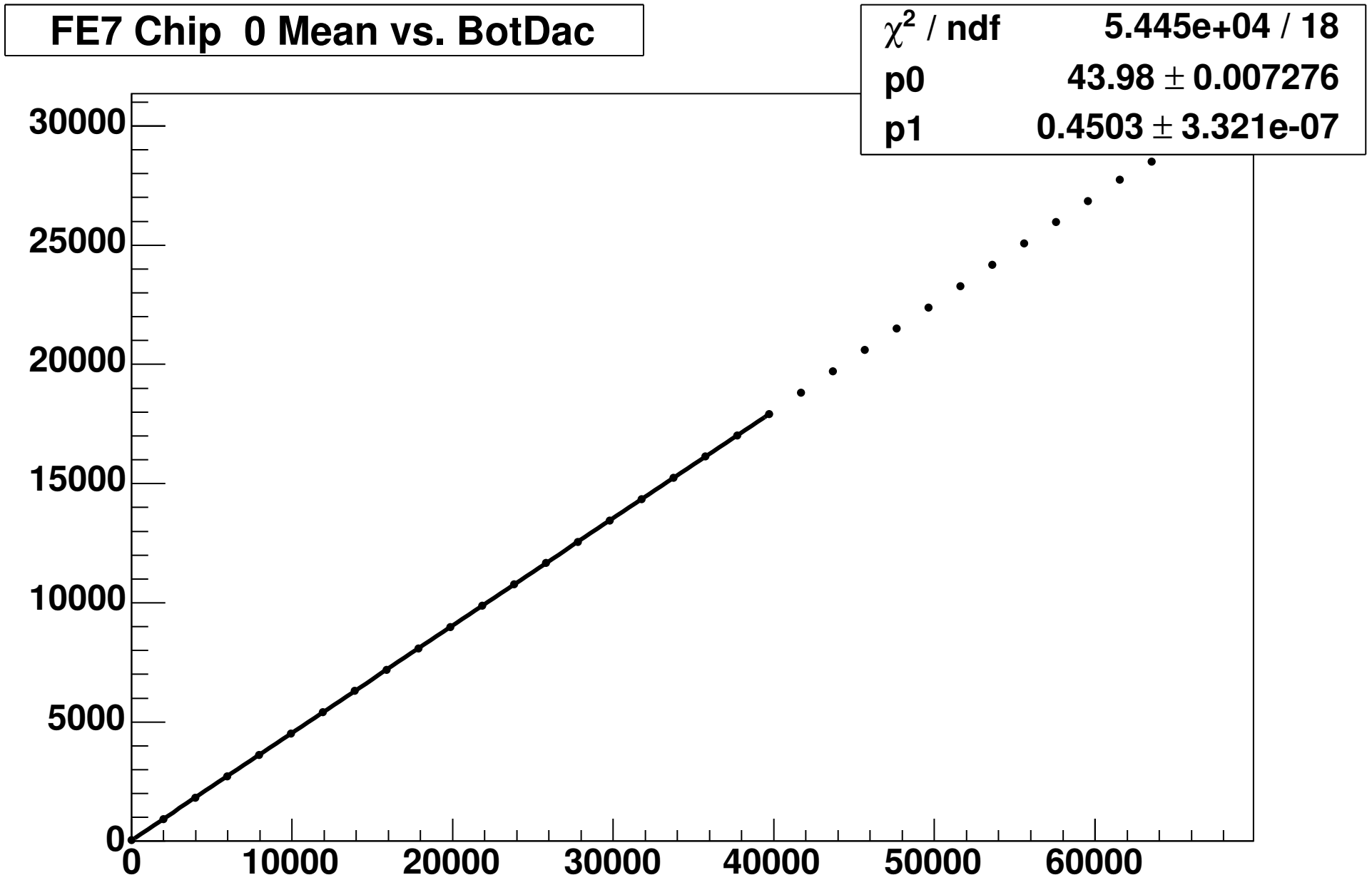

FE6 Chip 10 Rms vs. TopDac
χ² / ndf 708.1 / 18
p0 1.348 ± 0.00393
p1 3.447e-05 ± 2.772e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

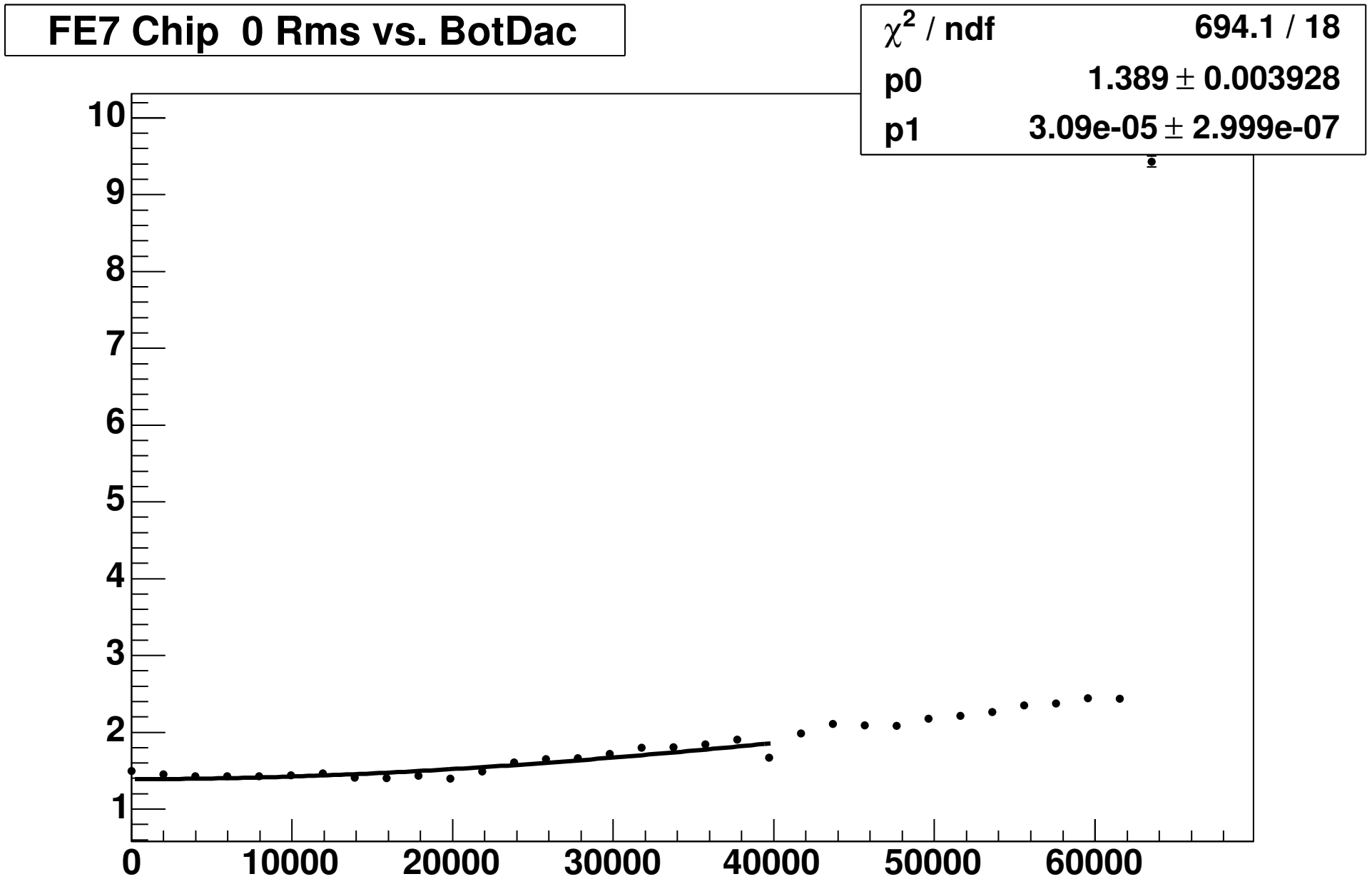

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 163 / 18
p0 34.95 ± 0.007322
p1 2.802e-06 ± 3.073e-07
35.3
35.2
35.1
35
34.9
0
10000
20000
30000
40000
50000
60000

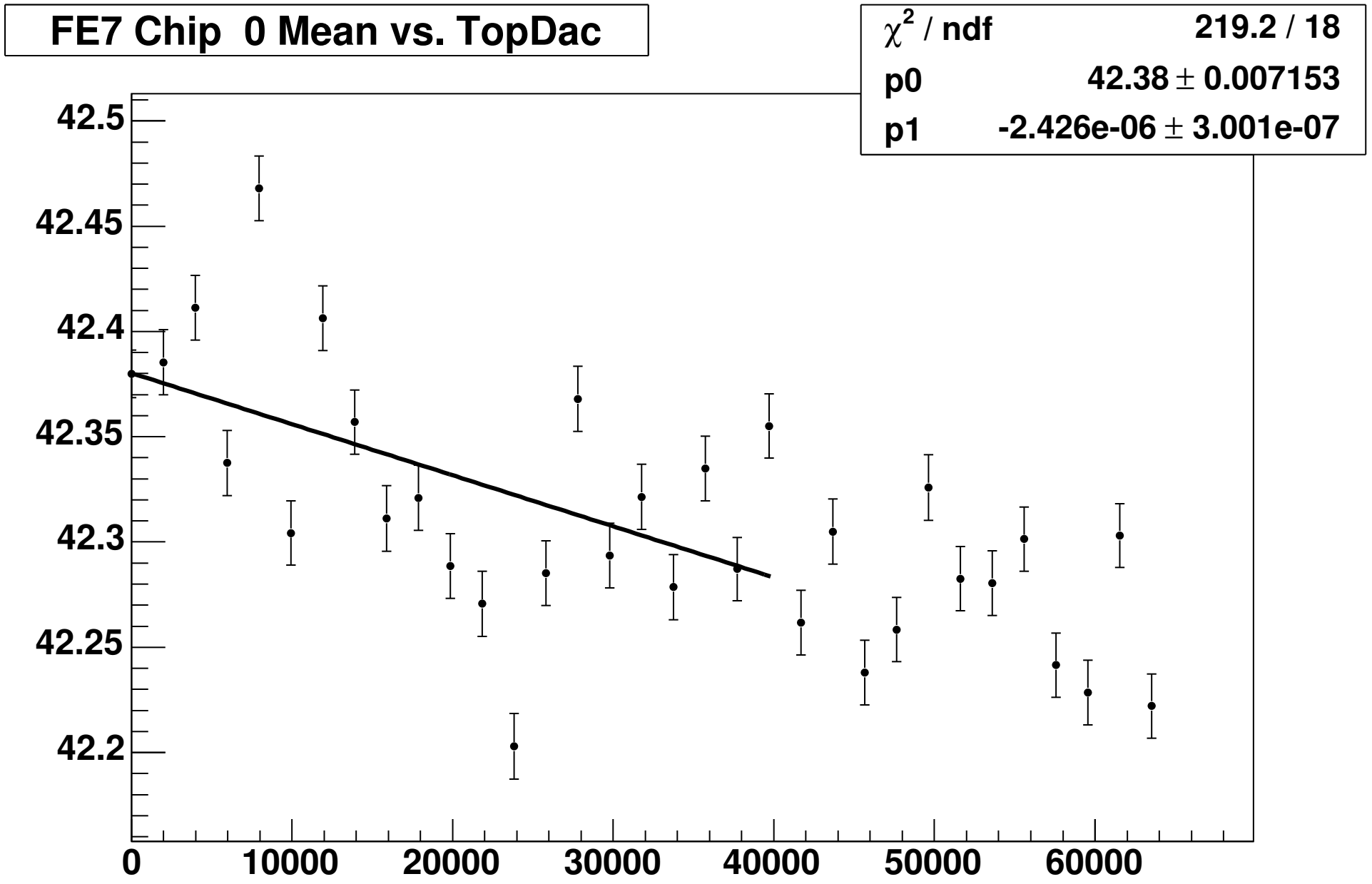

FE6 Chip 11 Rms vs. BotDac
χ² / ndf 25.72 / 18
p0 1.48 ± 0.002491
p1 7.403e-15 ± 2.412e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

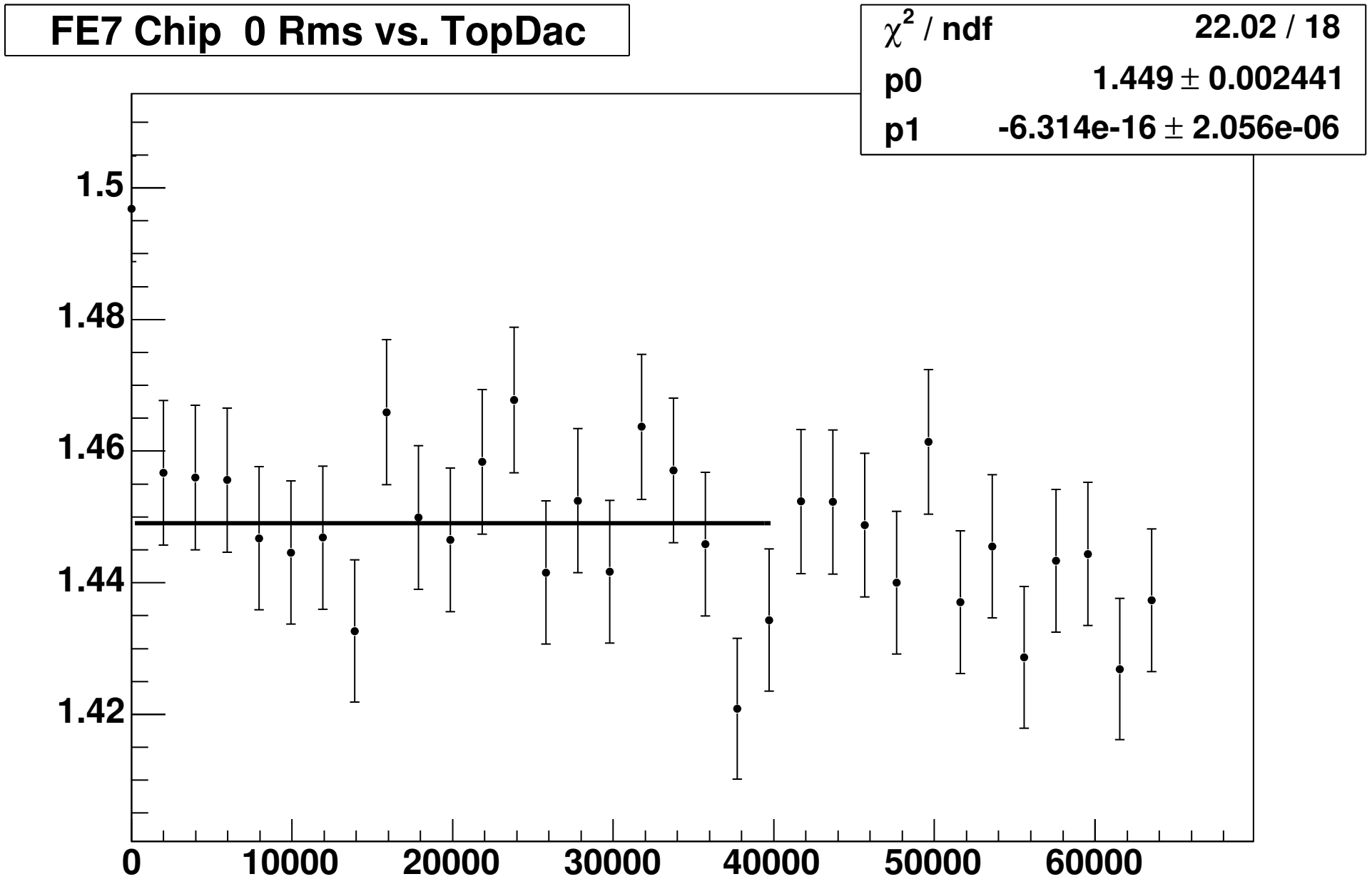

FE6 Chip 11 Mean vs. TopDac
χ² / ndf 3.18e+04 / 18
p0 34.59 ± 0.007226
p1 0.4519 ± 3.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

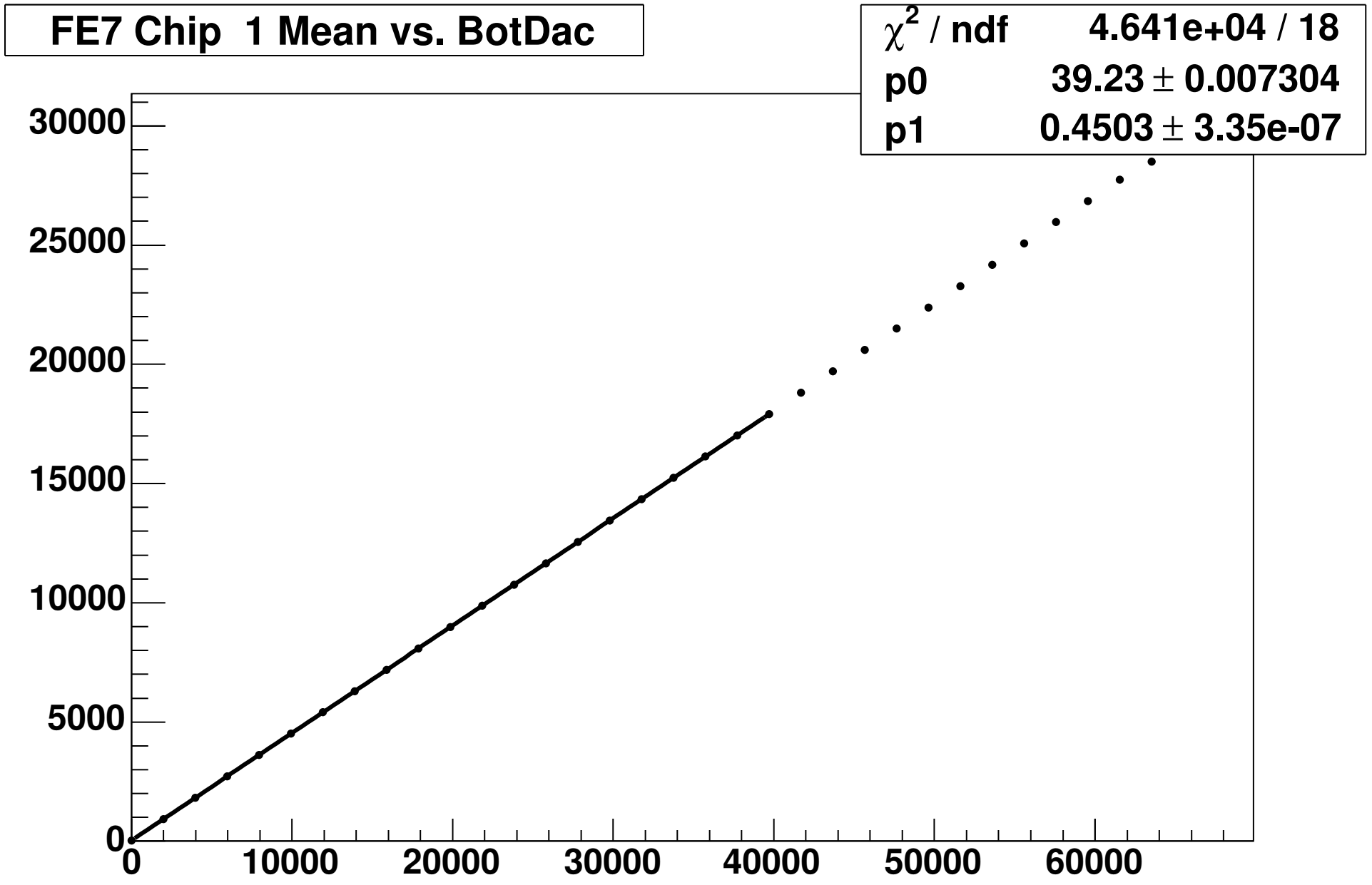

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 342.7 / 18
p0 1.358 ± 0.003942
p1 3.471e-05 ± 2.78e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

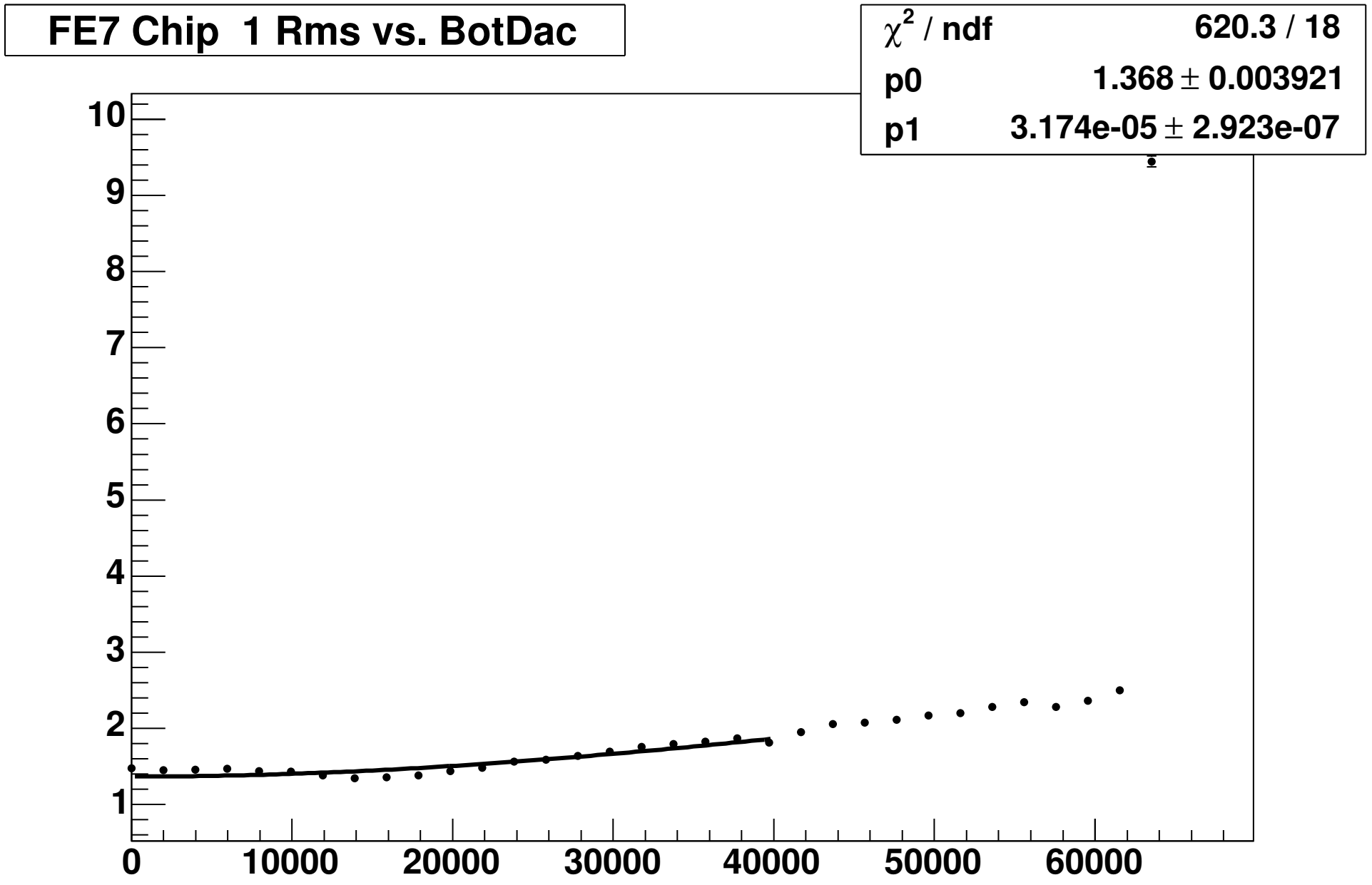

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 5.445e+04 / 18
p0 43.98 ± 0.007276
p1 0.4503 ± 3.321e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

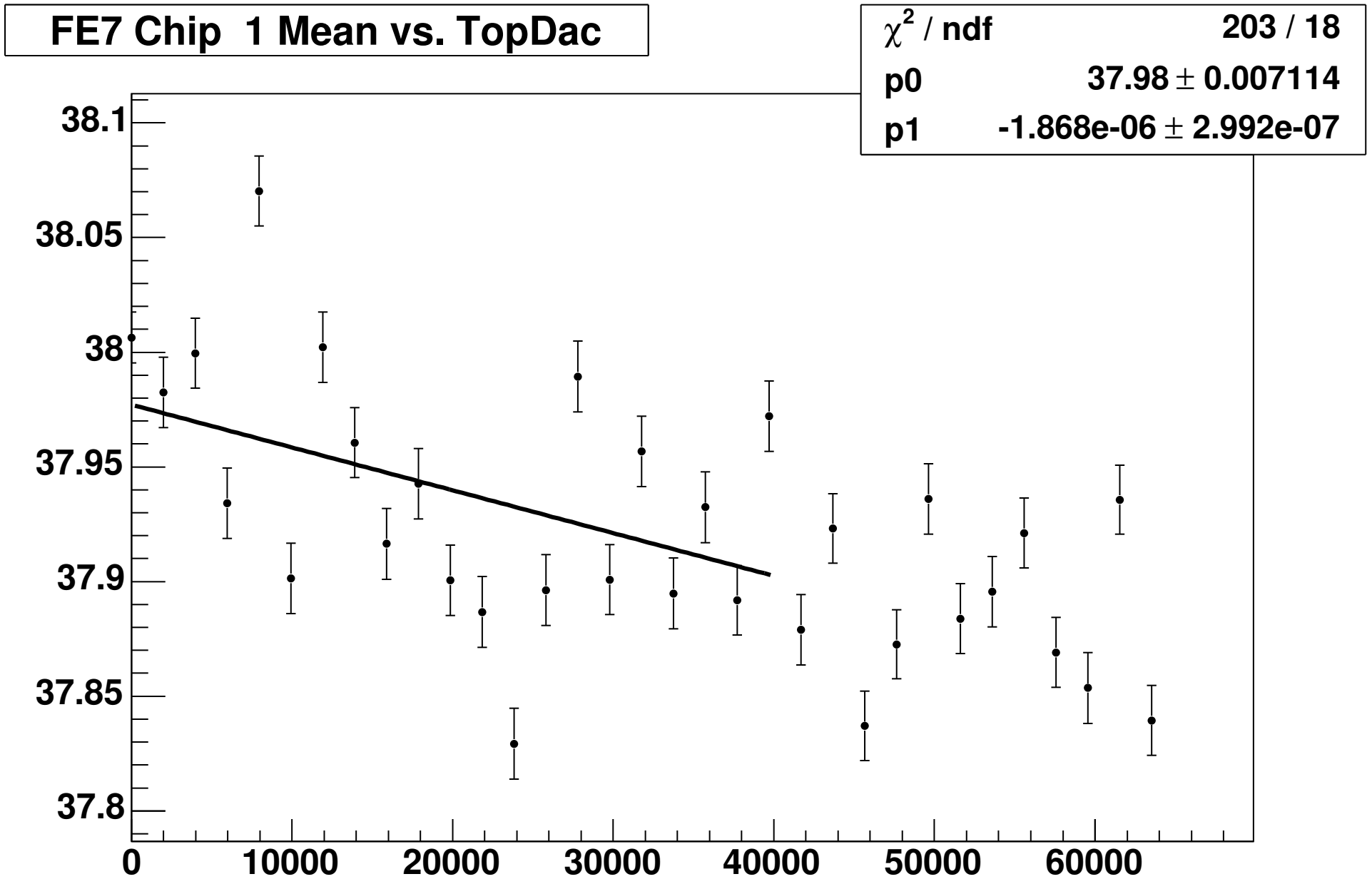

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 694.1 / 18
p0 1.389 ± 0.003928
p1 3.09e-05 ± 2.999e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

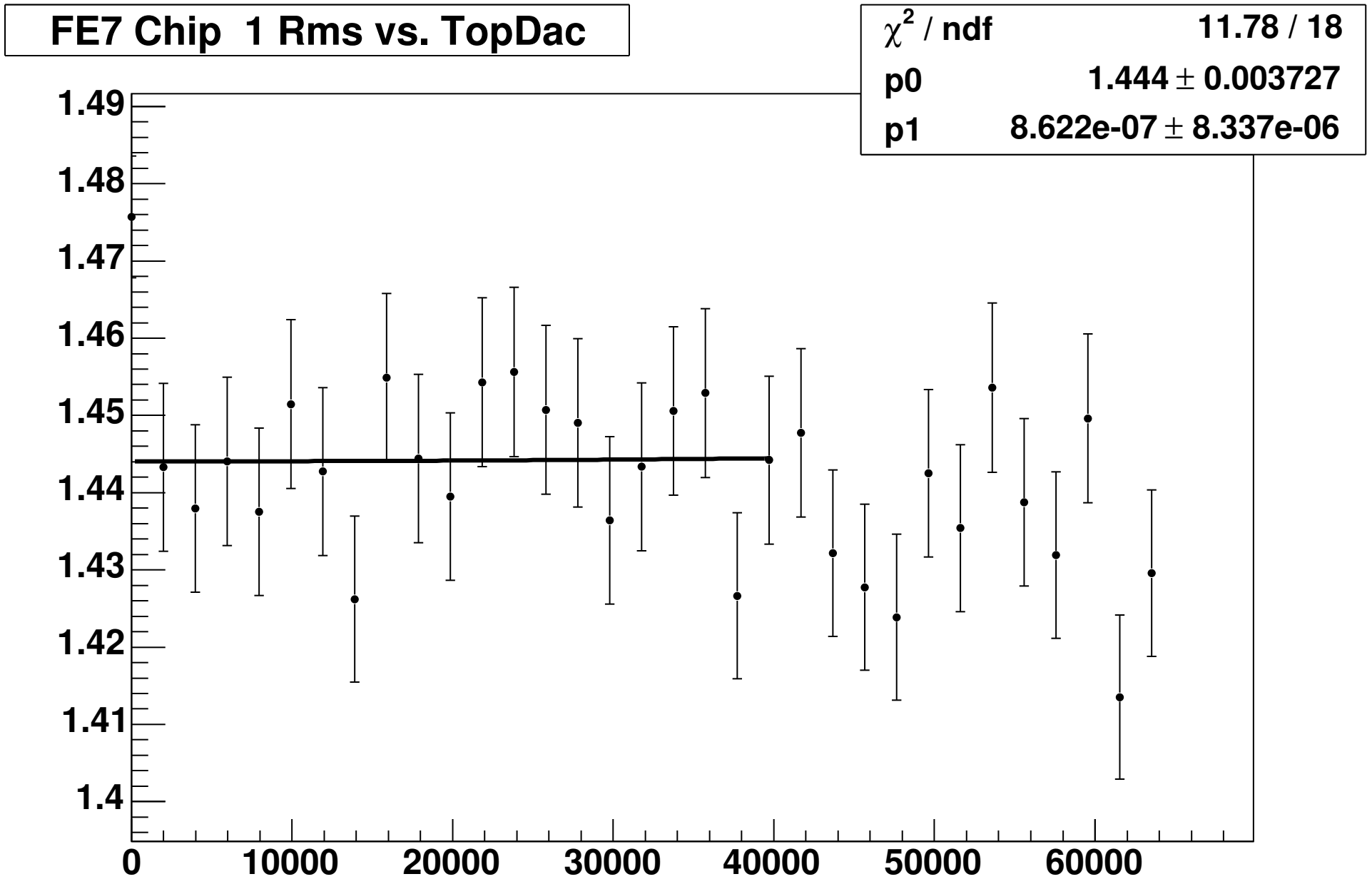

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 219.2 / 18
p0 42.38 ± 0.007153
p1 -2.426e-06 ± 3.001e-07
42.5
42.45
42.4
42.35
42.3
42.25
42.2
0
10000
20000
30000
40000
50000
60000

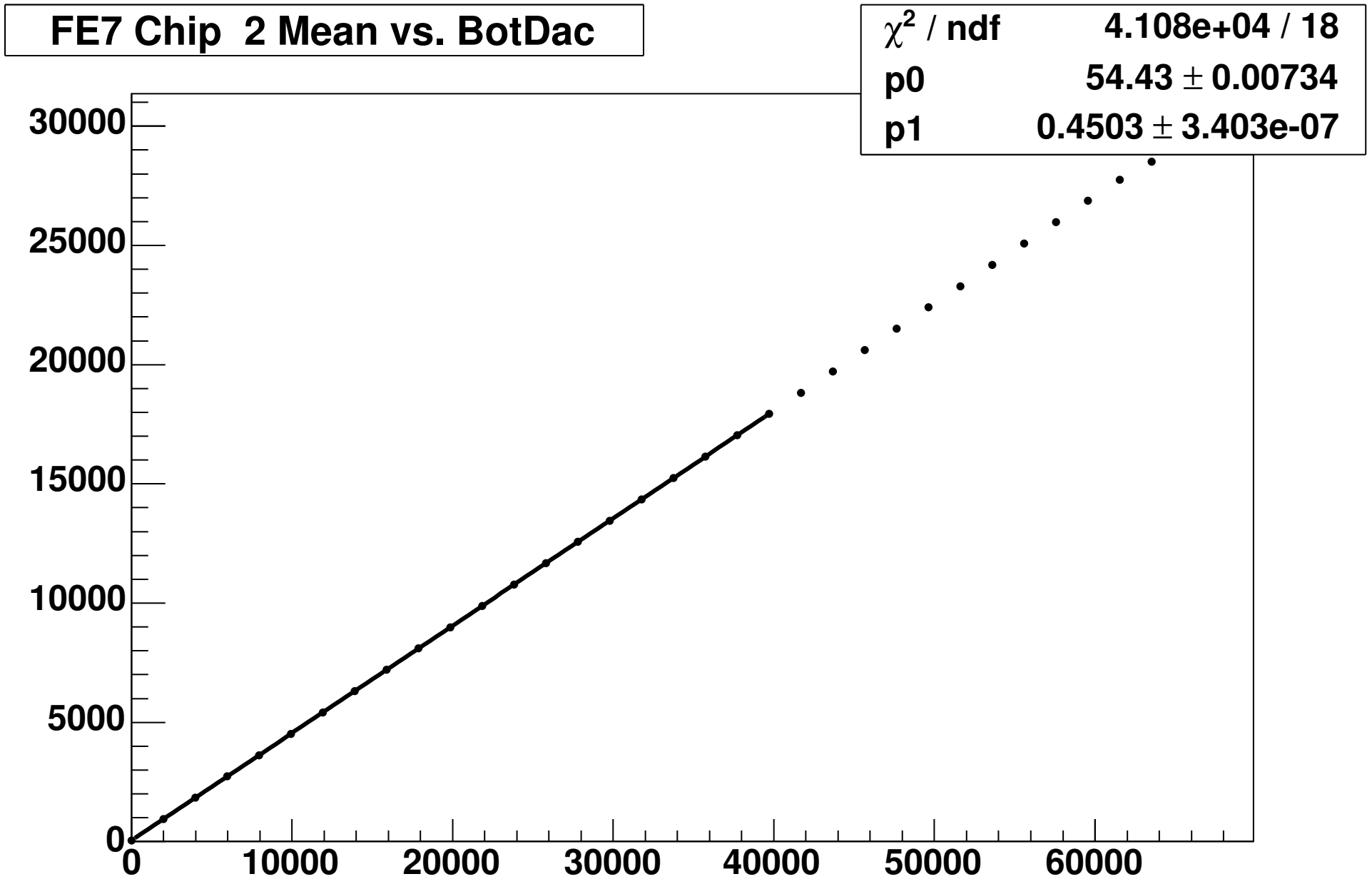

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 22.02 / 18
p0 1.449 ± 0.002441
p1 -6.314e-16 ± 2.056e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

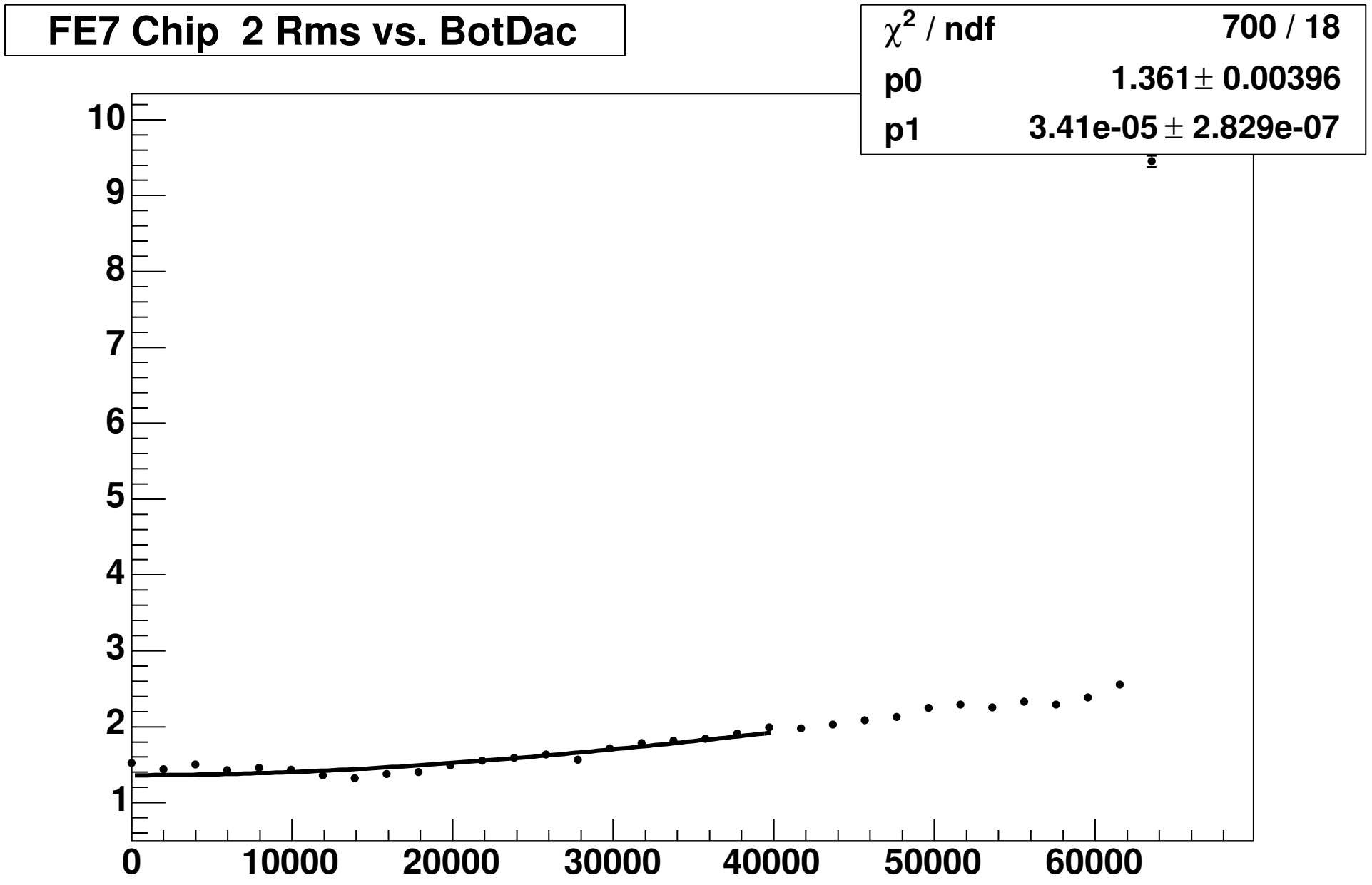

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 4.641e+04 / 18
p0 39.23 ± 0.007304
p1 0.4503 ± 3.35e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

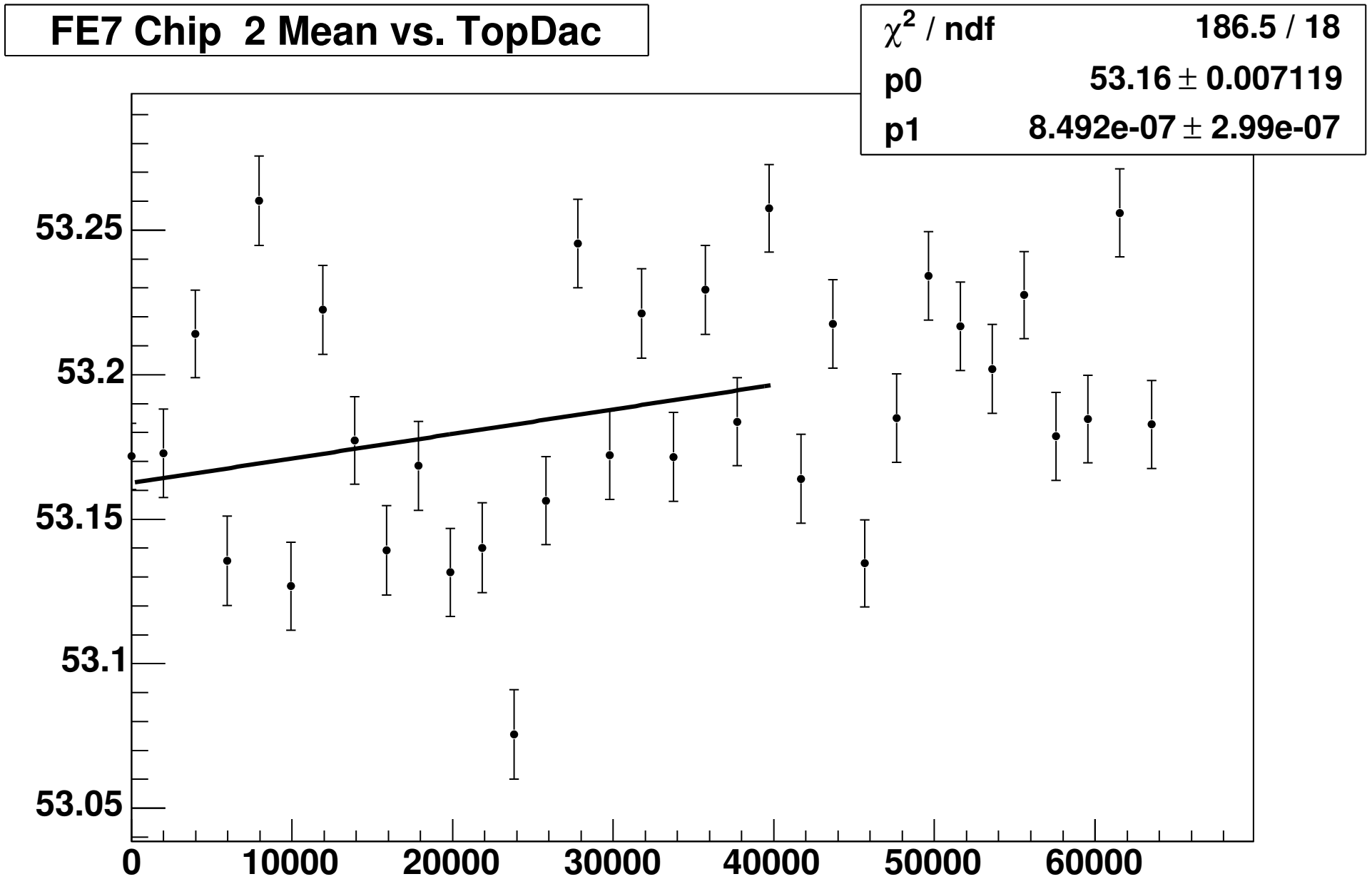

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 620.3 / 18
p0 1.368 ± 0.003921
p1 3.174e-05 ± 2.923e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

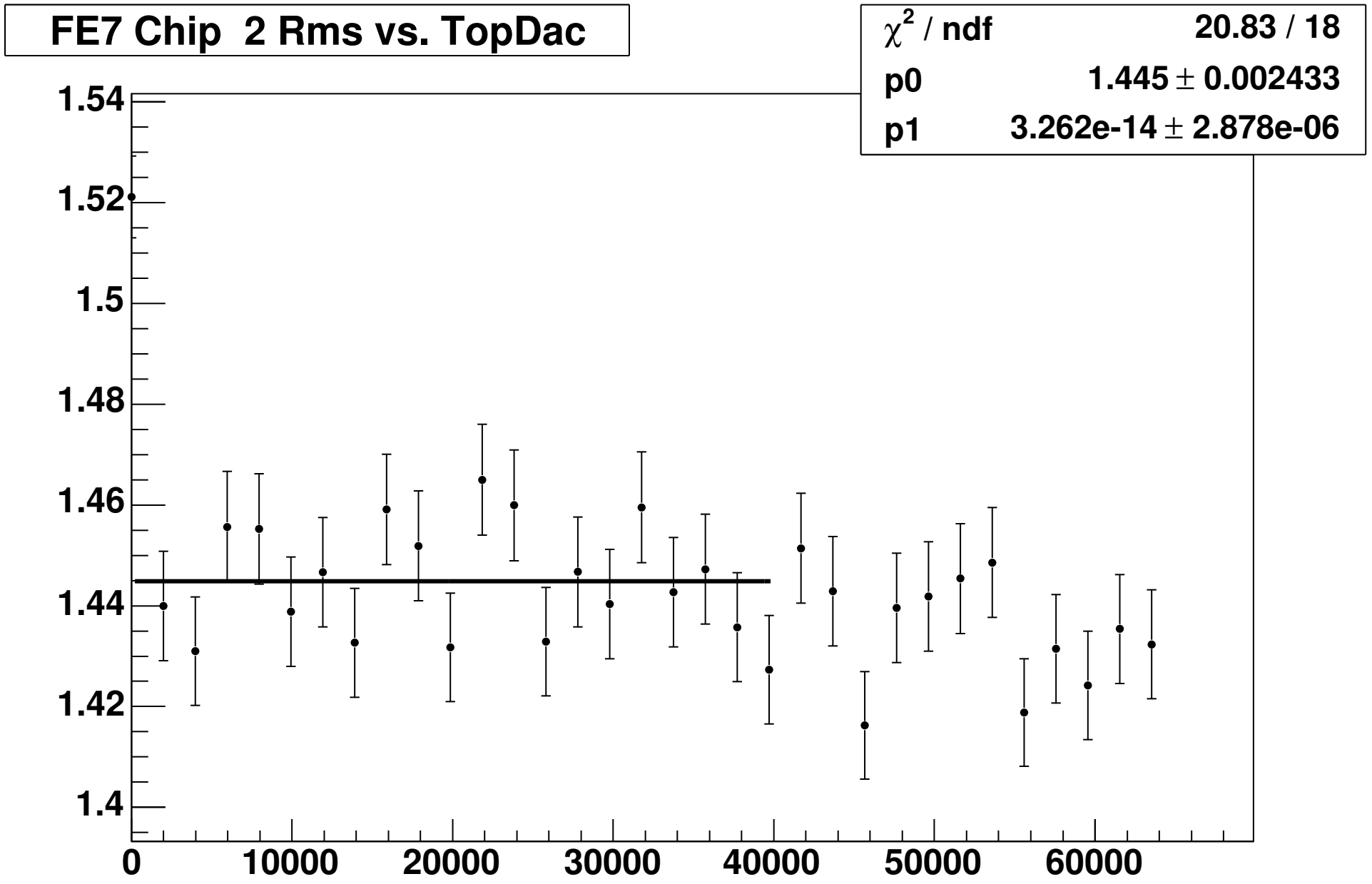

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 203 / 18
p0 37.98 ± 0.007114
p1 -1.868e-06 ± 2.992e-07
38.1
38.05
38
37.95
37.9
37.85
37.8
0
10000
20000
30000
40000
50000
60000

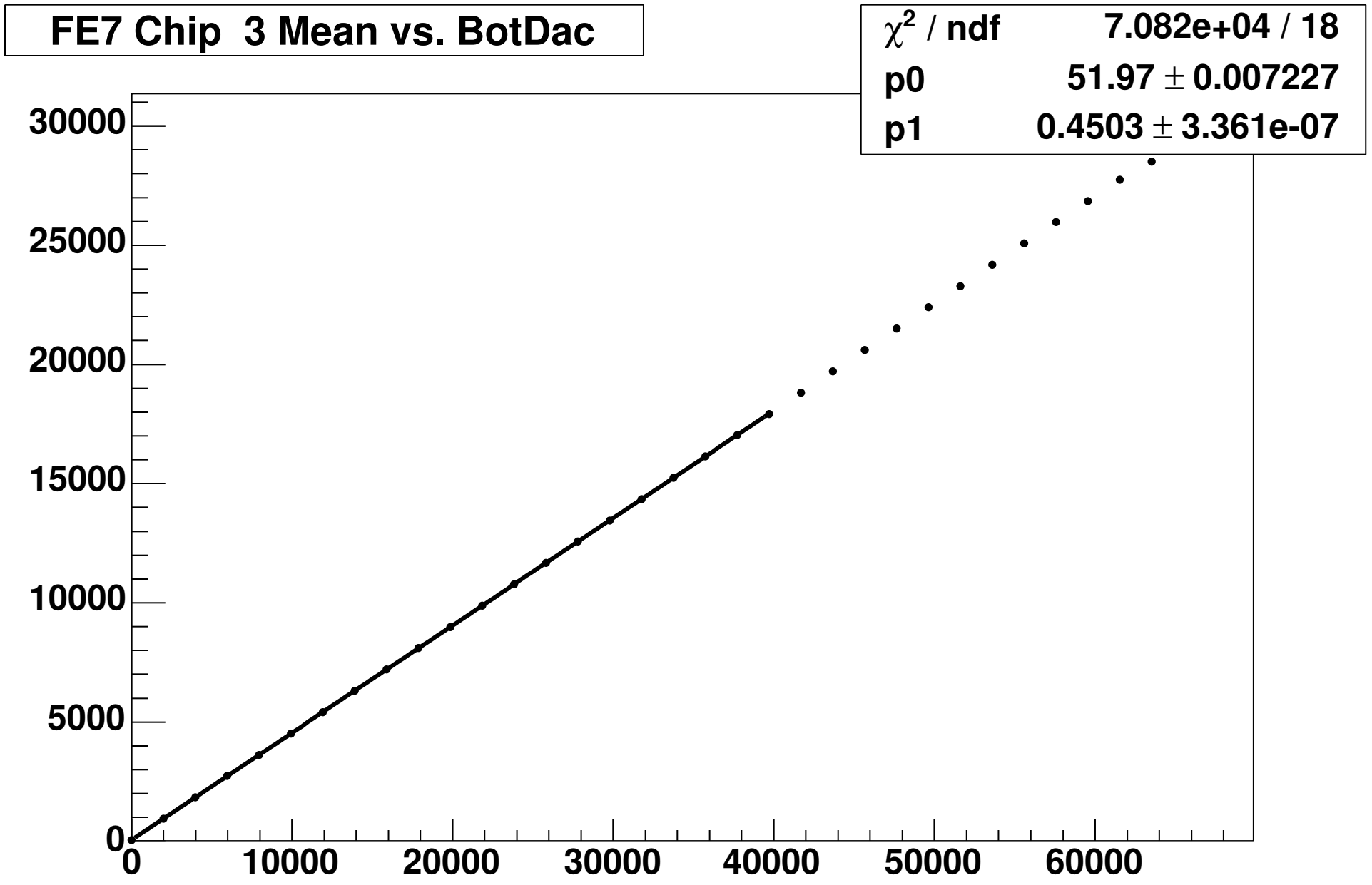

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 11.78 / 18
p0 1.444 ± 0.003727
p1 8.622e-07 ± 8.337e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

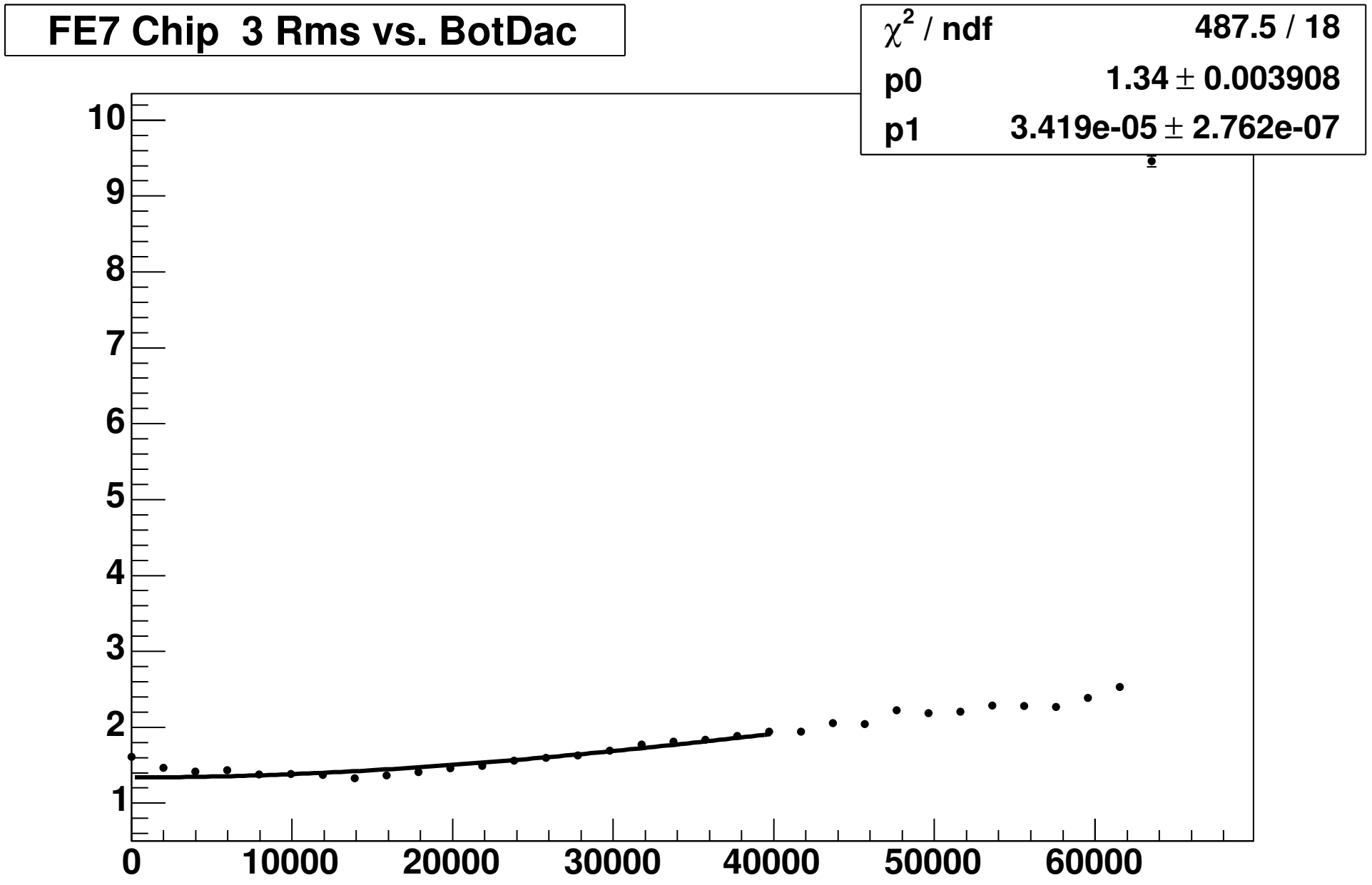

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 4.108e+04 / 18
p0 54.43 ± 0.00734
p1 0.4503 ± 3.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

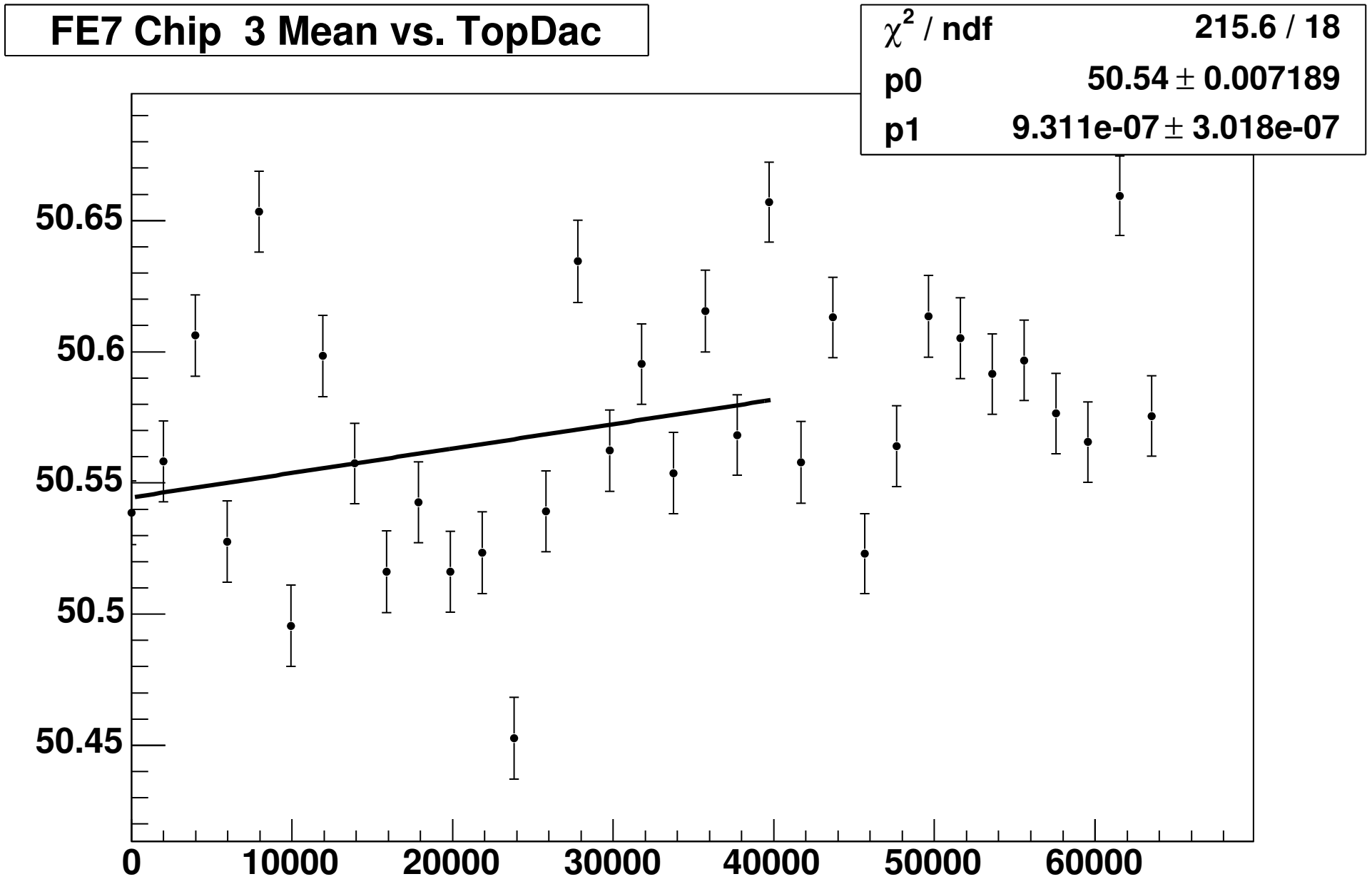

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 700 / 18
p0 1.361 ± 0.00396
p1 3.41e-05 ± 2.829e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

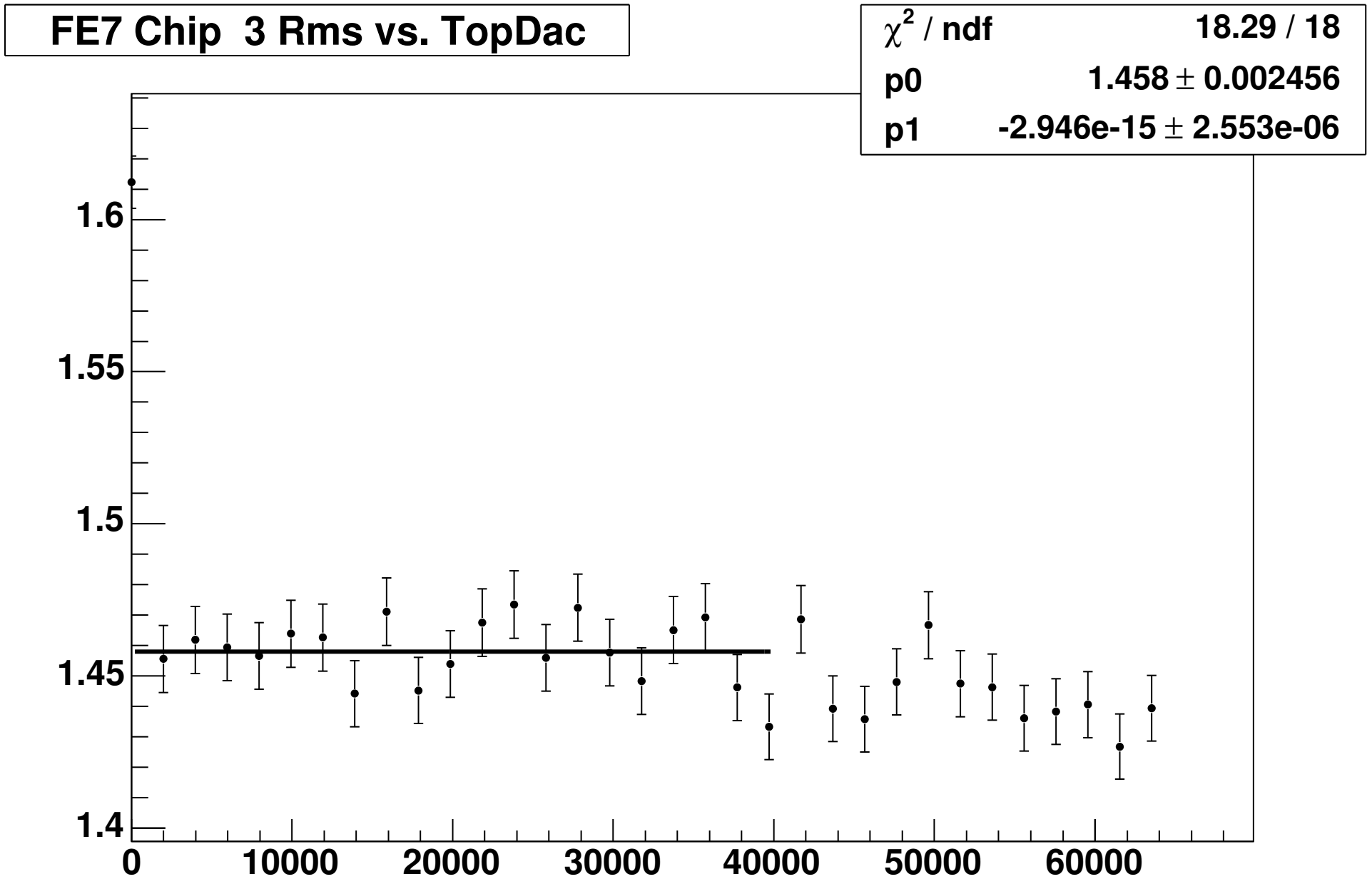

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 186.5 / 18
p0 53.16 ± 0.007119
p1 8.492e-07 ± 2.99e-07
53.25
53.2
53.15
53.1
53.05
0
10000
20000
30000
40000
50000
60000

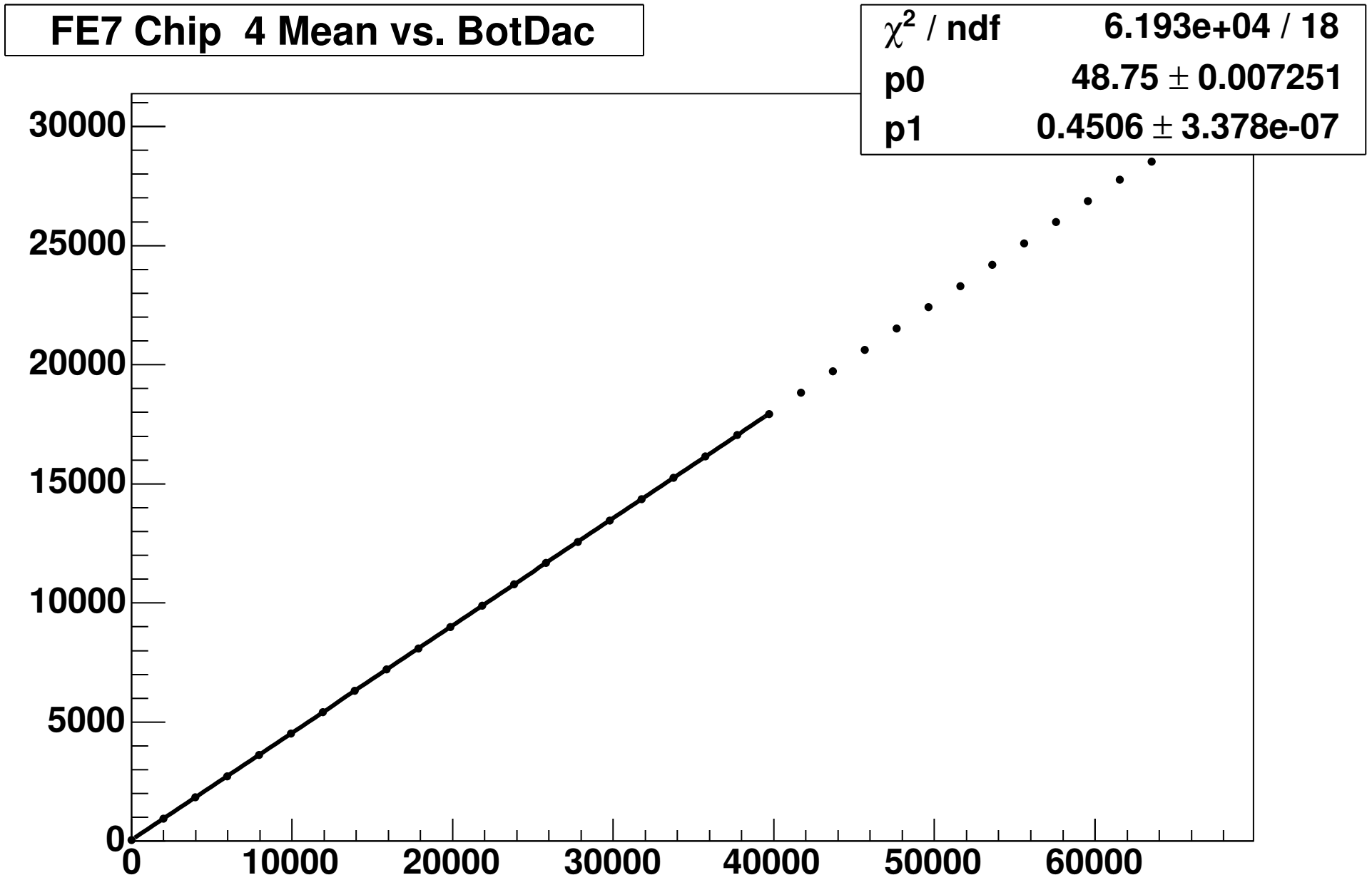

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 20.83 / 18
p0 1.445 ± 0.002433
p1 3.262e-14 ± 2.878e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

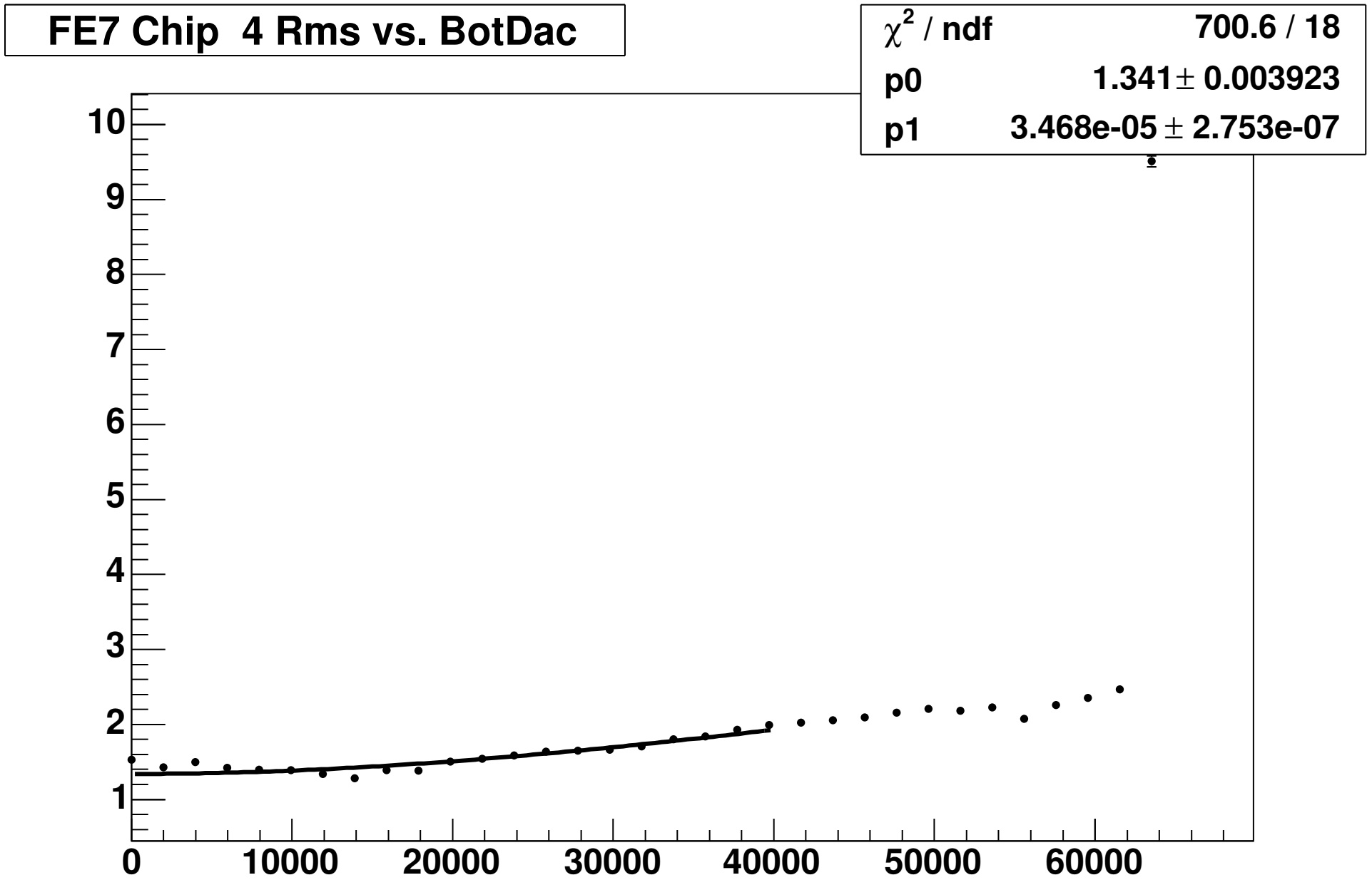

FE7 Chip 3 Mean vs. BotDac
χ^2 / ndf 7.082e+04 / 18
p0 51.97 ± 0.007227
p1 0.4503 ± 3.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

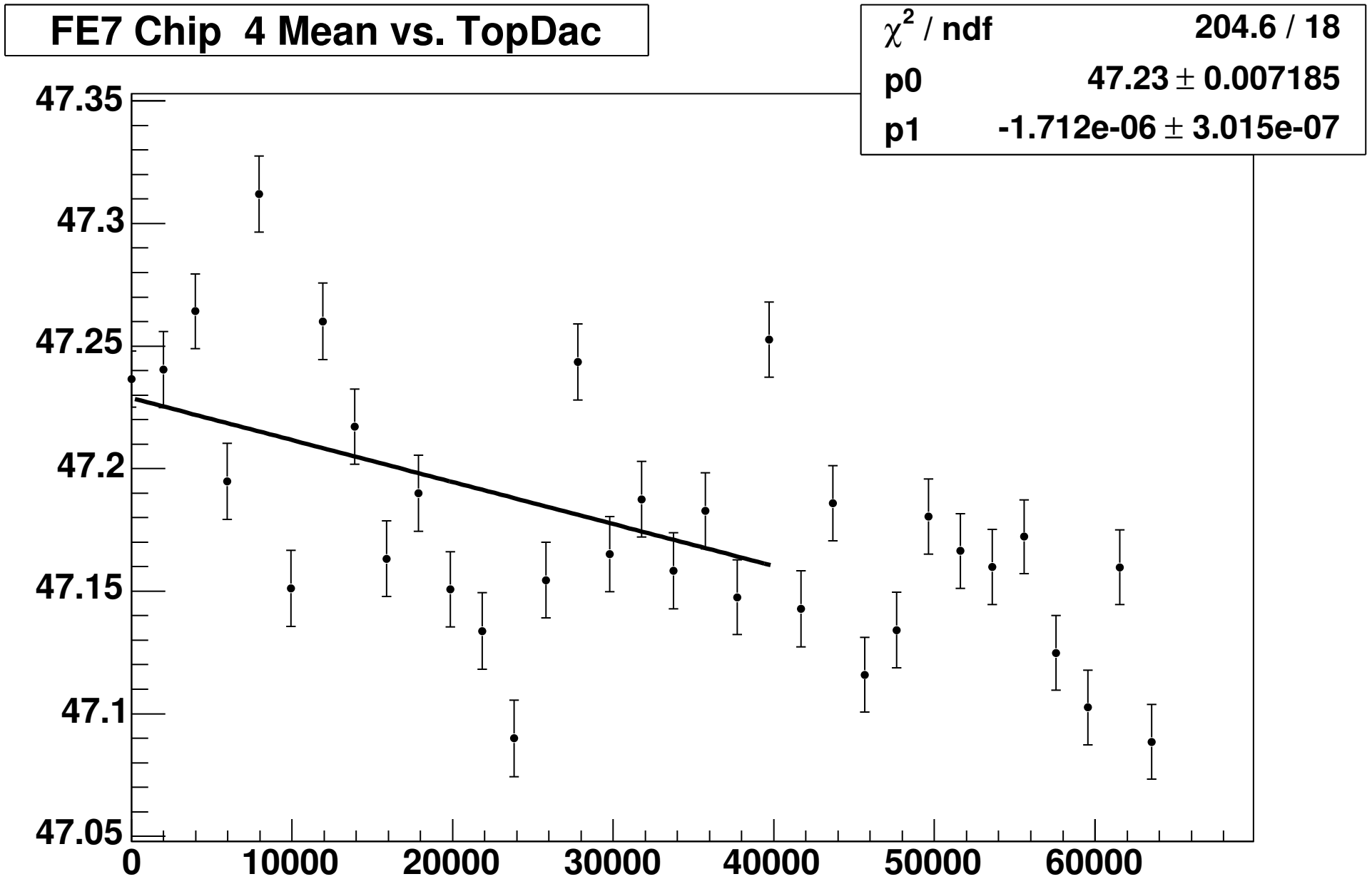

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 487.5 / 18
p0 1.34 ± 0.003908
p1 3.419e-05 ± 2.762e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

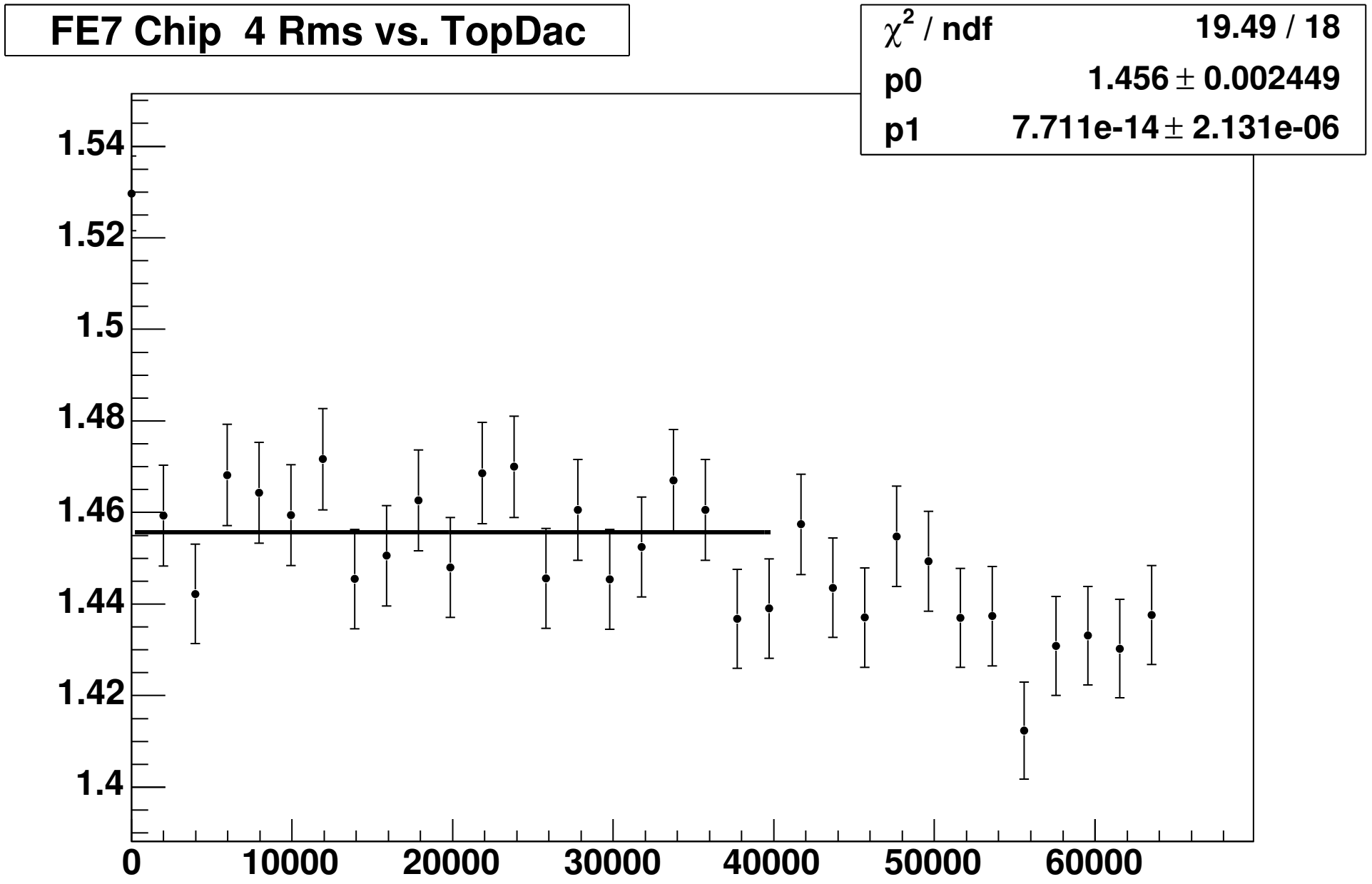

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 215.6 / 18
p0 50.54 ± 0.007189
p1 9.311e-07 ± 3.018e-07
50.65
50.6
50.55
50.5
50.45
0
10000
20000
30000
40000
50000
60000

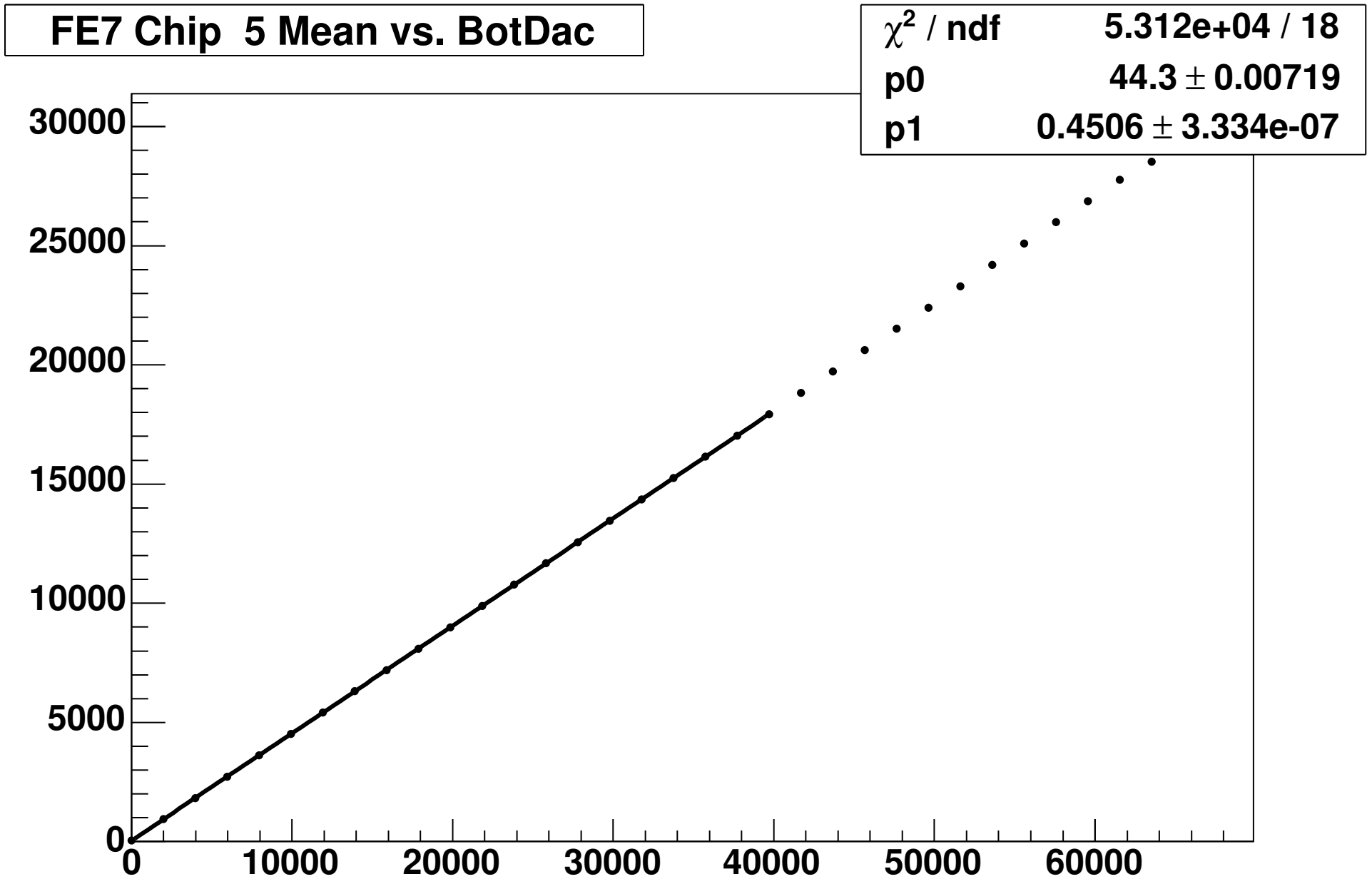

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 18.29 / 18
p0 1.458 ± 0.002456
p1 -2.946e-15 ± 2.553e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

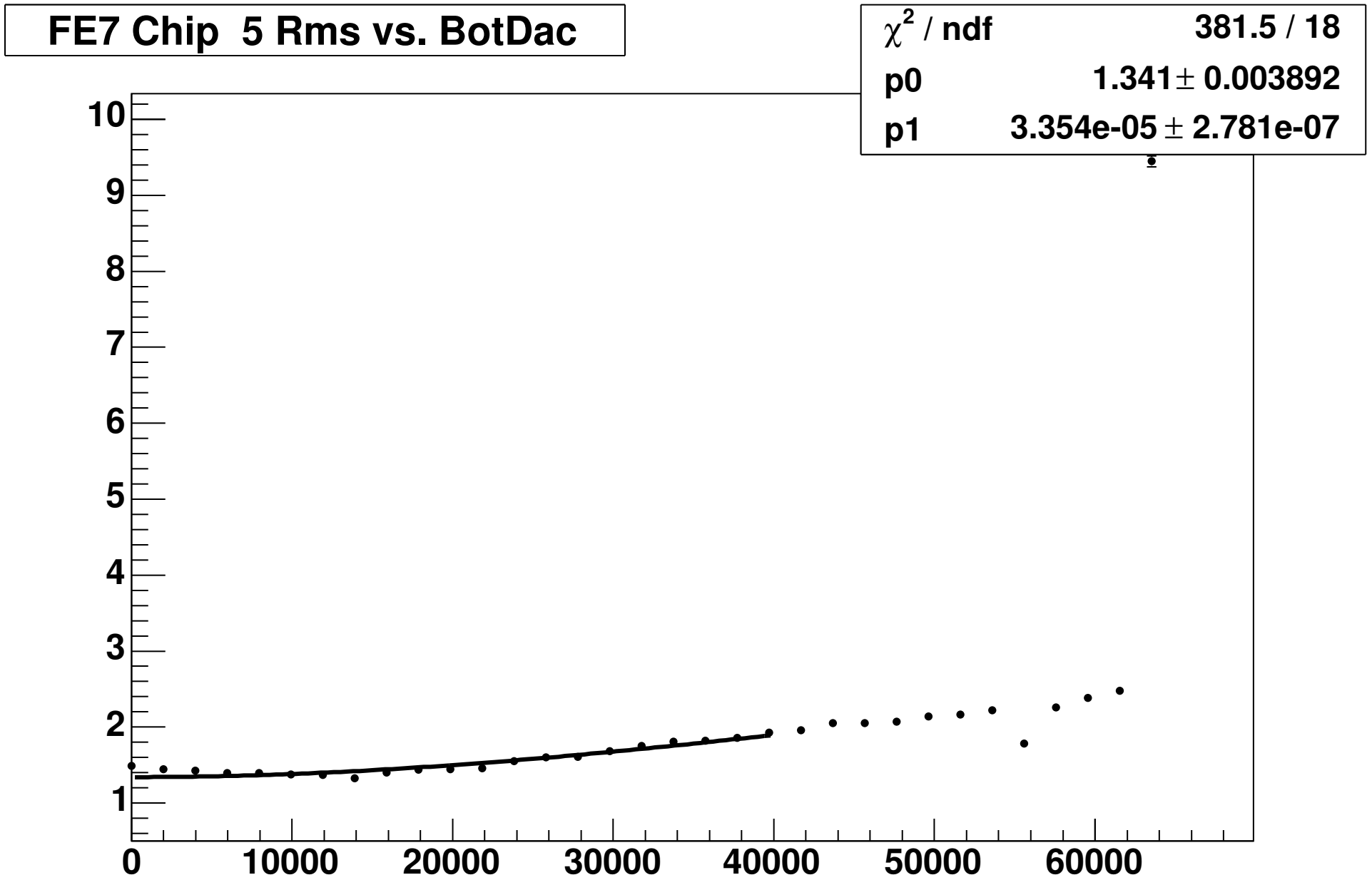

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 6.193e+04 / 18
p0 48.75 ± 0.007251
p1 0.4506 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

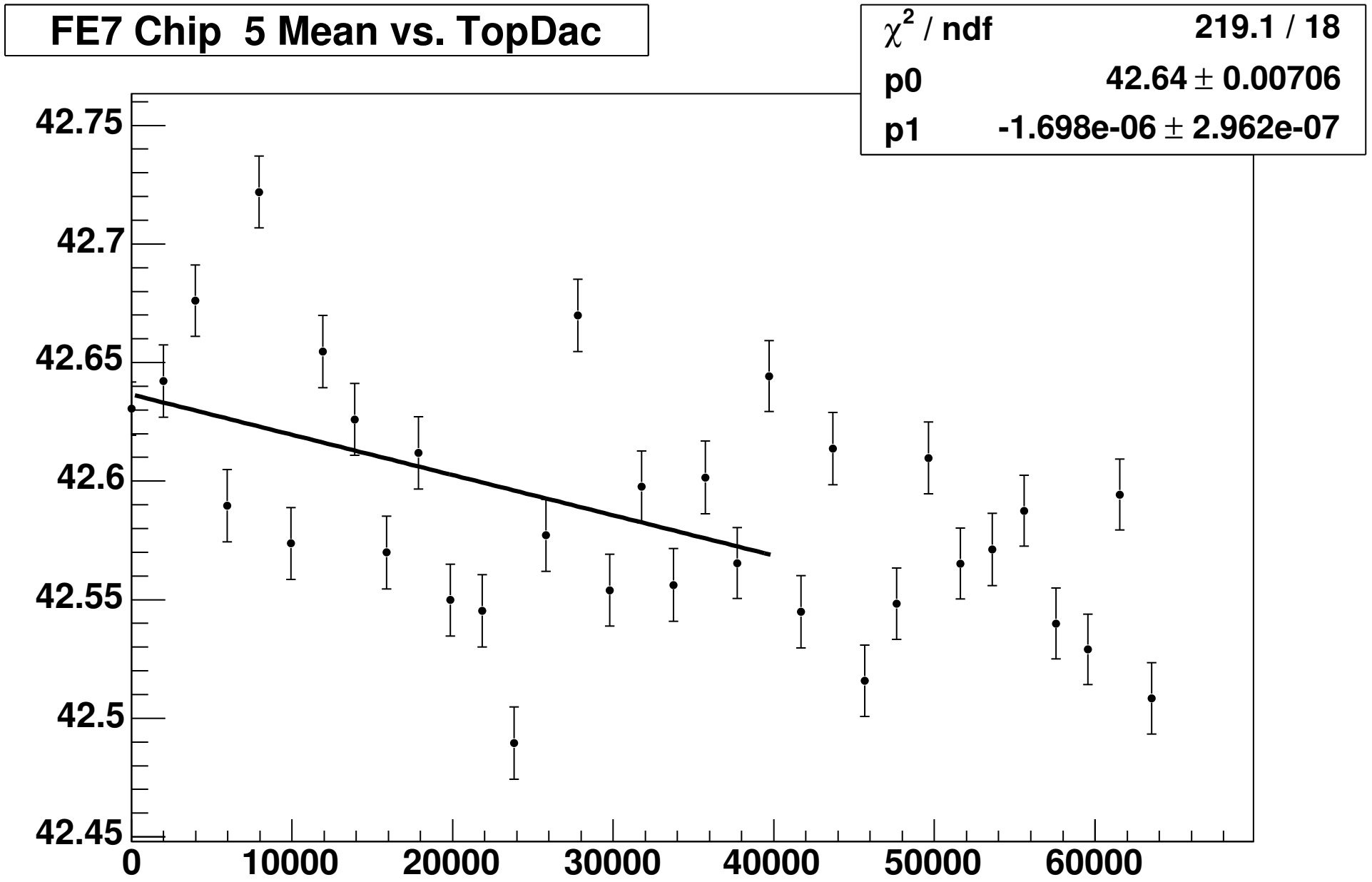

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 700.6 / 18
p0 1.341 ± 0.003923
p1 3.468e-05 ± 2.753e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

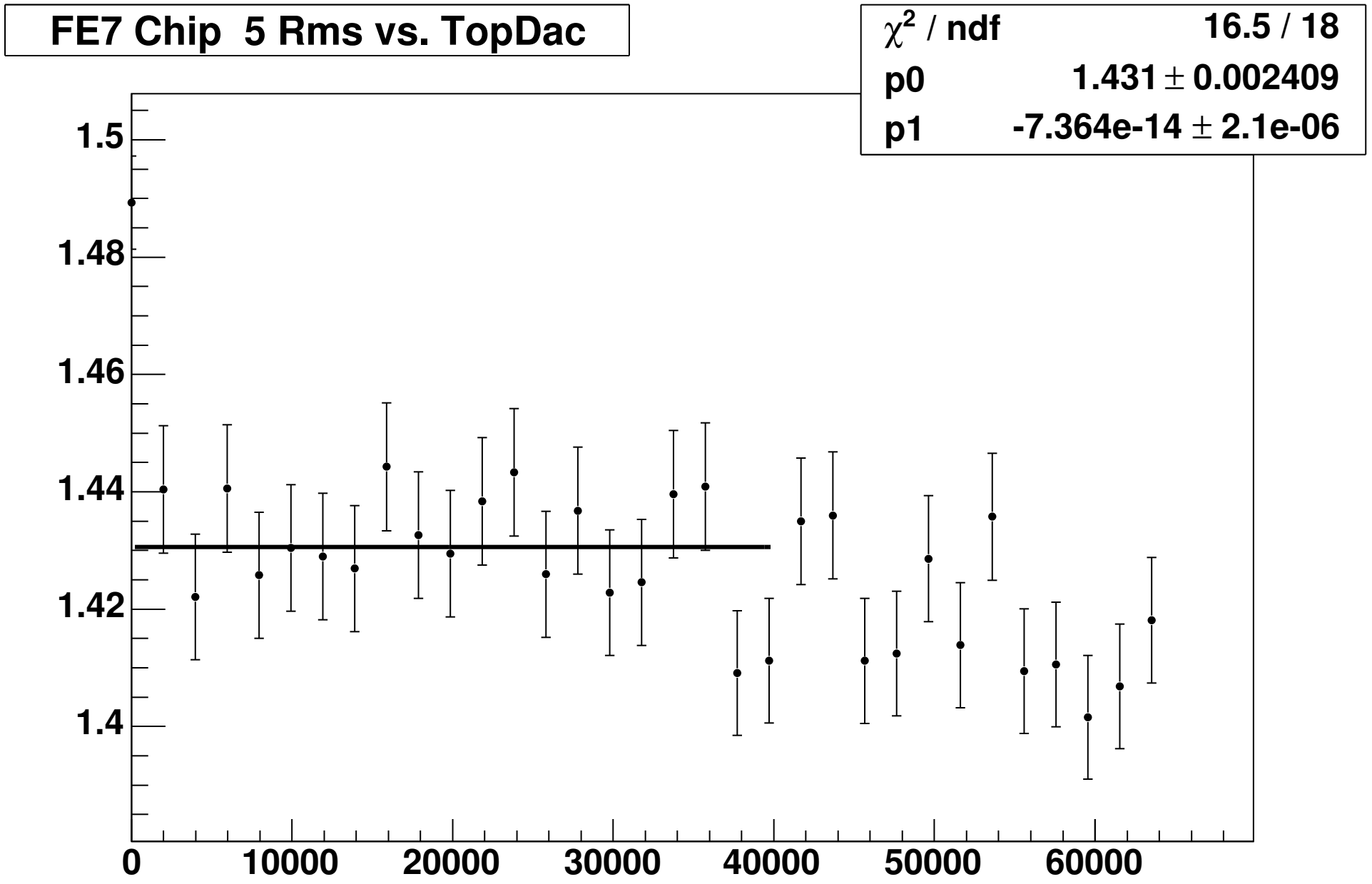

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 204.6 / 18
p0 47.23 ± 0.007185
p1 -1.712e-06 ± 3.015e-07
47.35
47.3
47.25
47.2
47.15
47.1
47.05
0
10000
20000
30000
40000
50000
60000

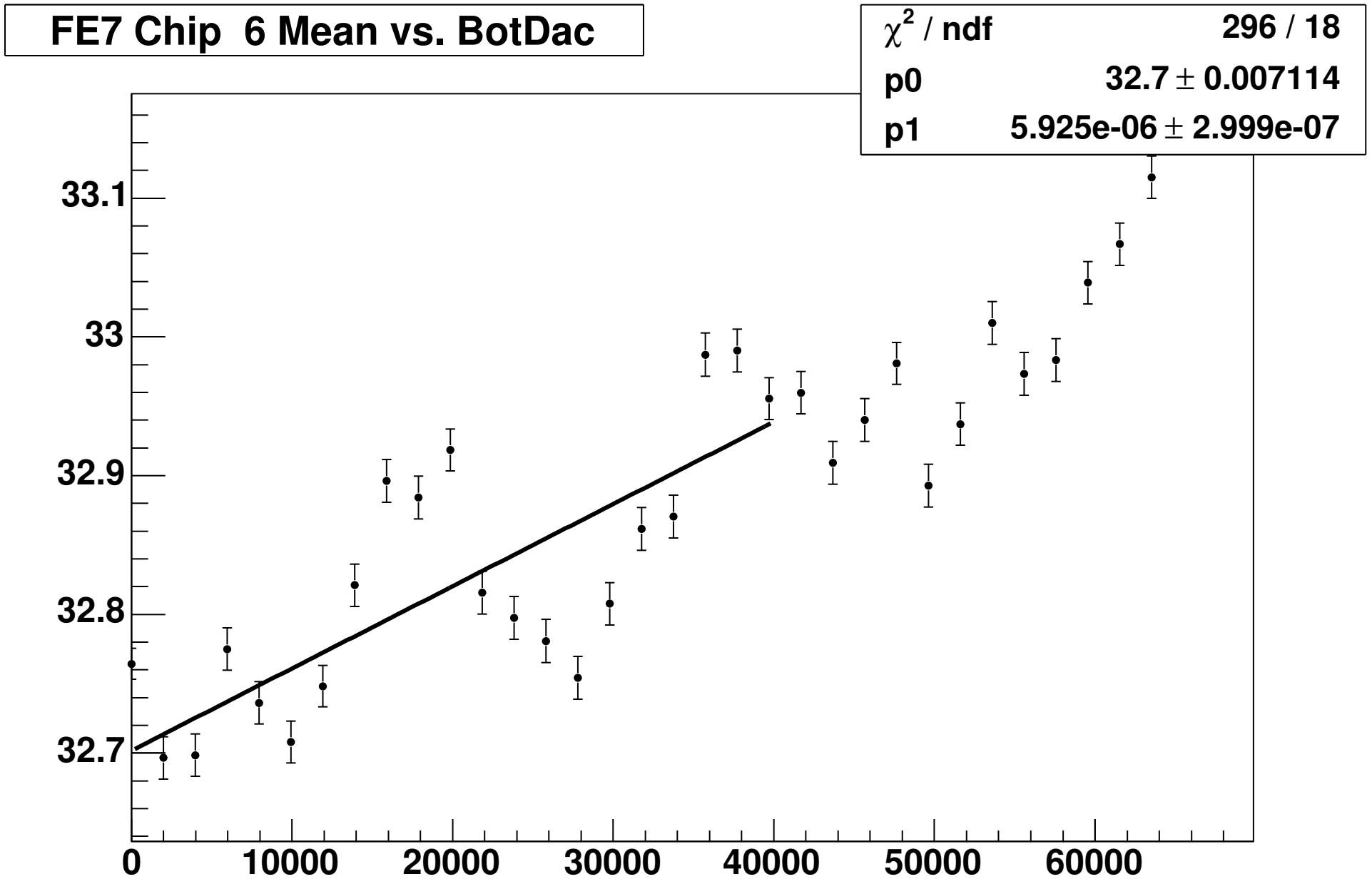

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 19.49 / 18
p0 1.456 ± 0.002449
p1 7.711e-14 ± 2.131e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

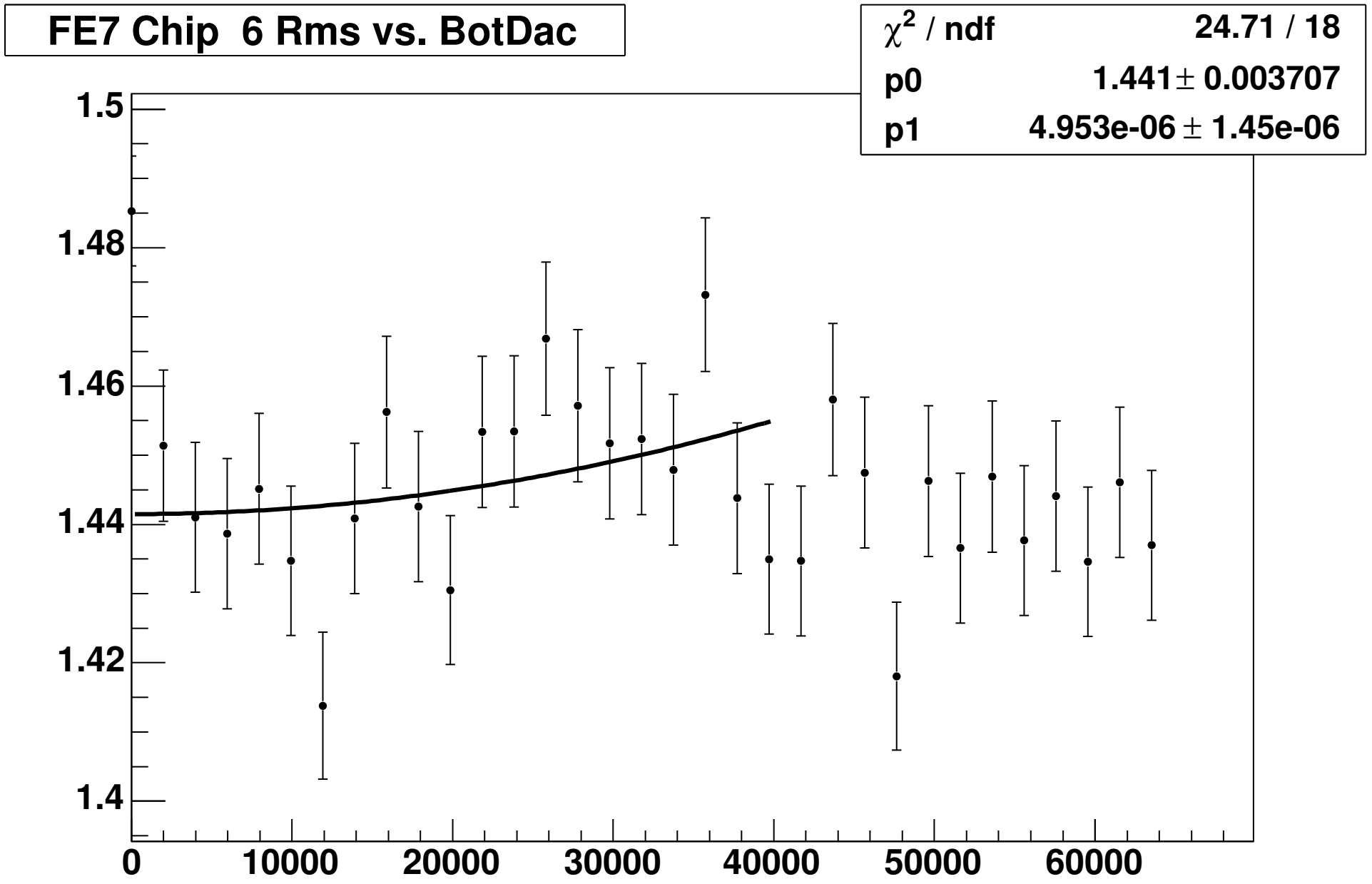

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 5.312e+04 / 18
p0 44.3 ± 0.00719
p1 0.4506 ± 3.334e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

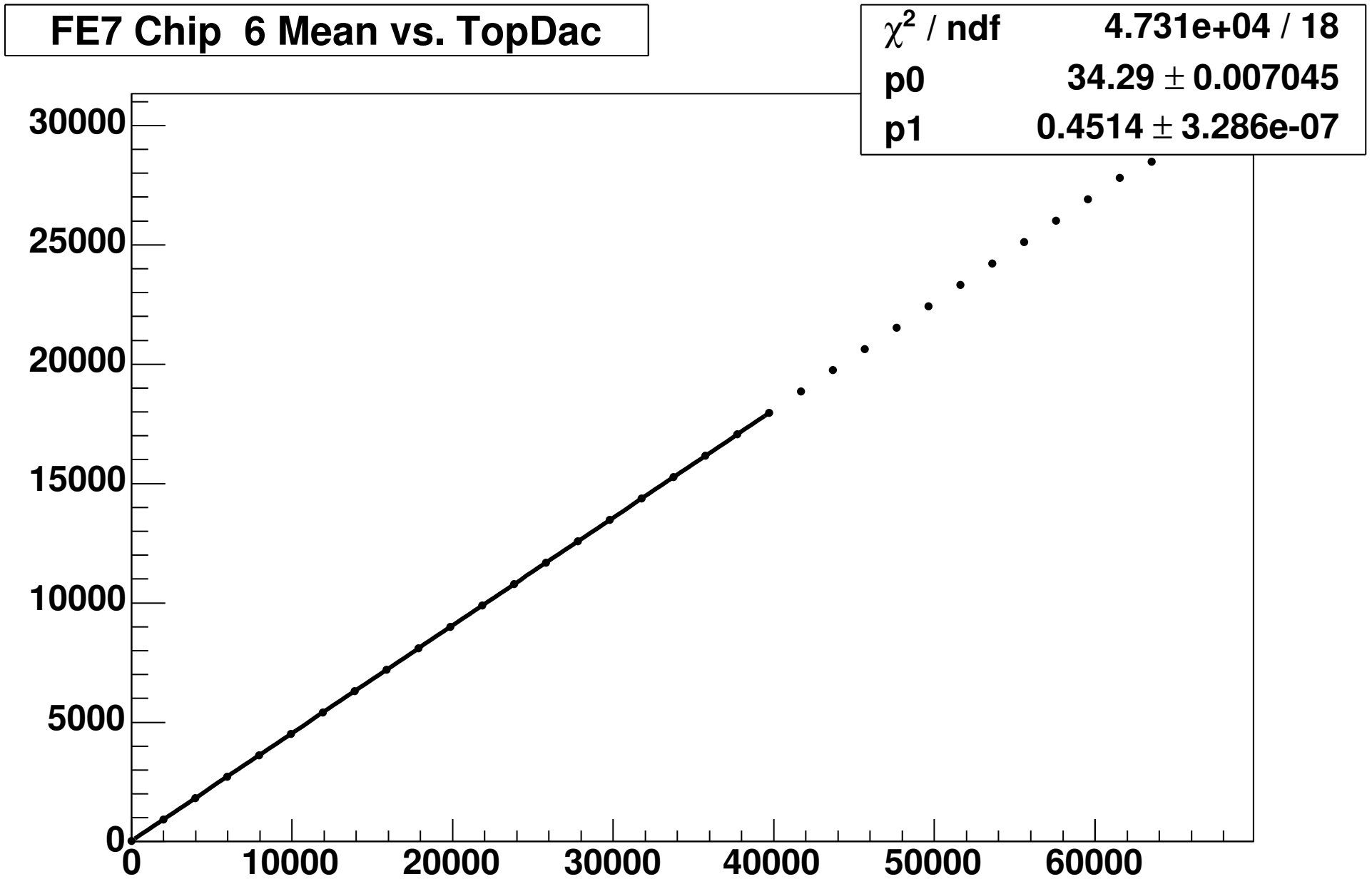

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 381.5 / 18
p0 1.341 ± 0.003892
p1 3.354e-05 ± 2.781e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

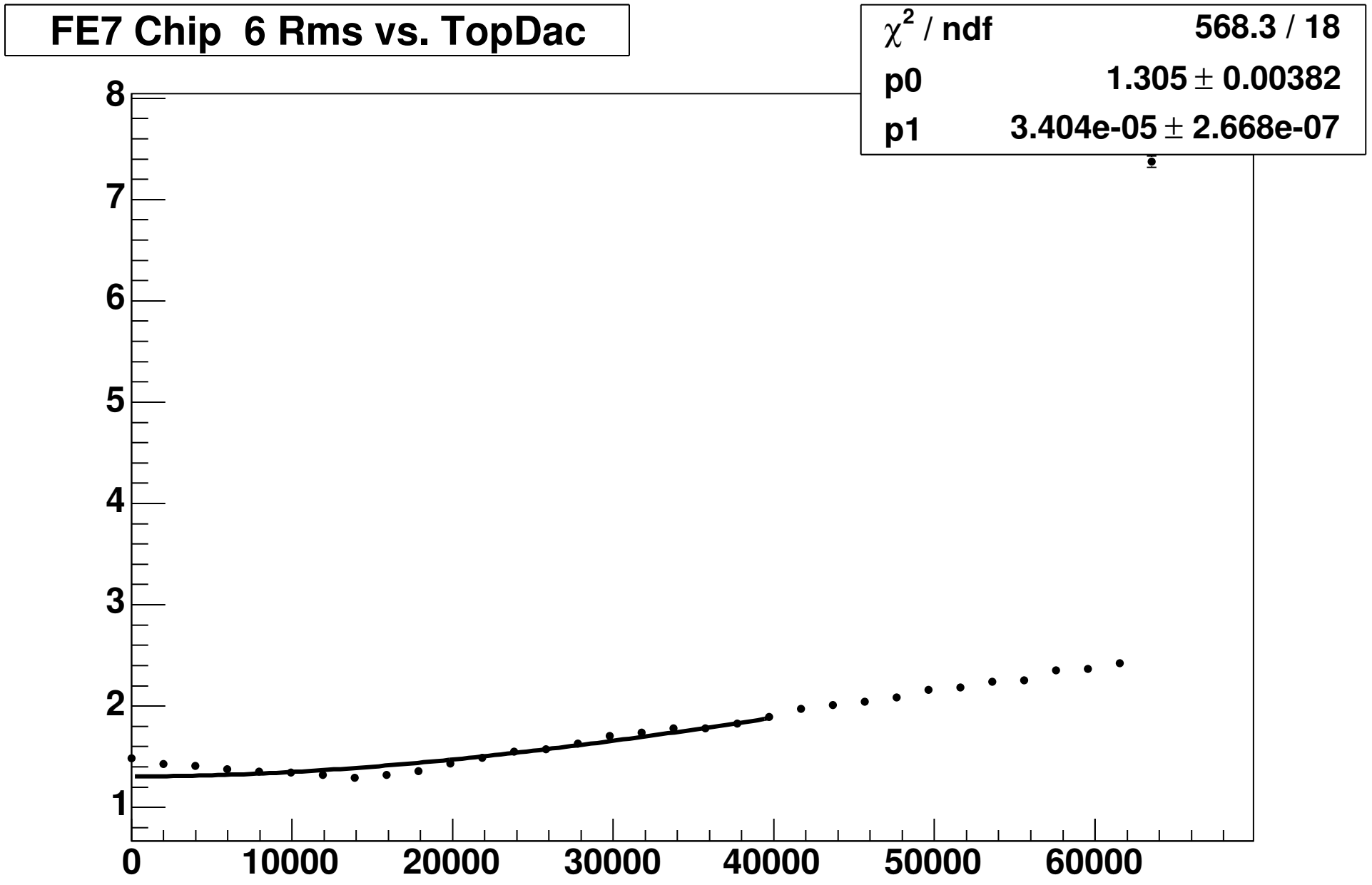

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 219.1 / 18
p0 42.64 ± 0.00706
p1 -1.698e-06 ± 2.962e-07
42.75
42.7
42.65
42.6
42.55
42.5
42.45
0
10000
20000
30000
40000
50000
60000

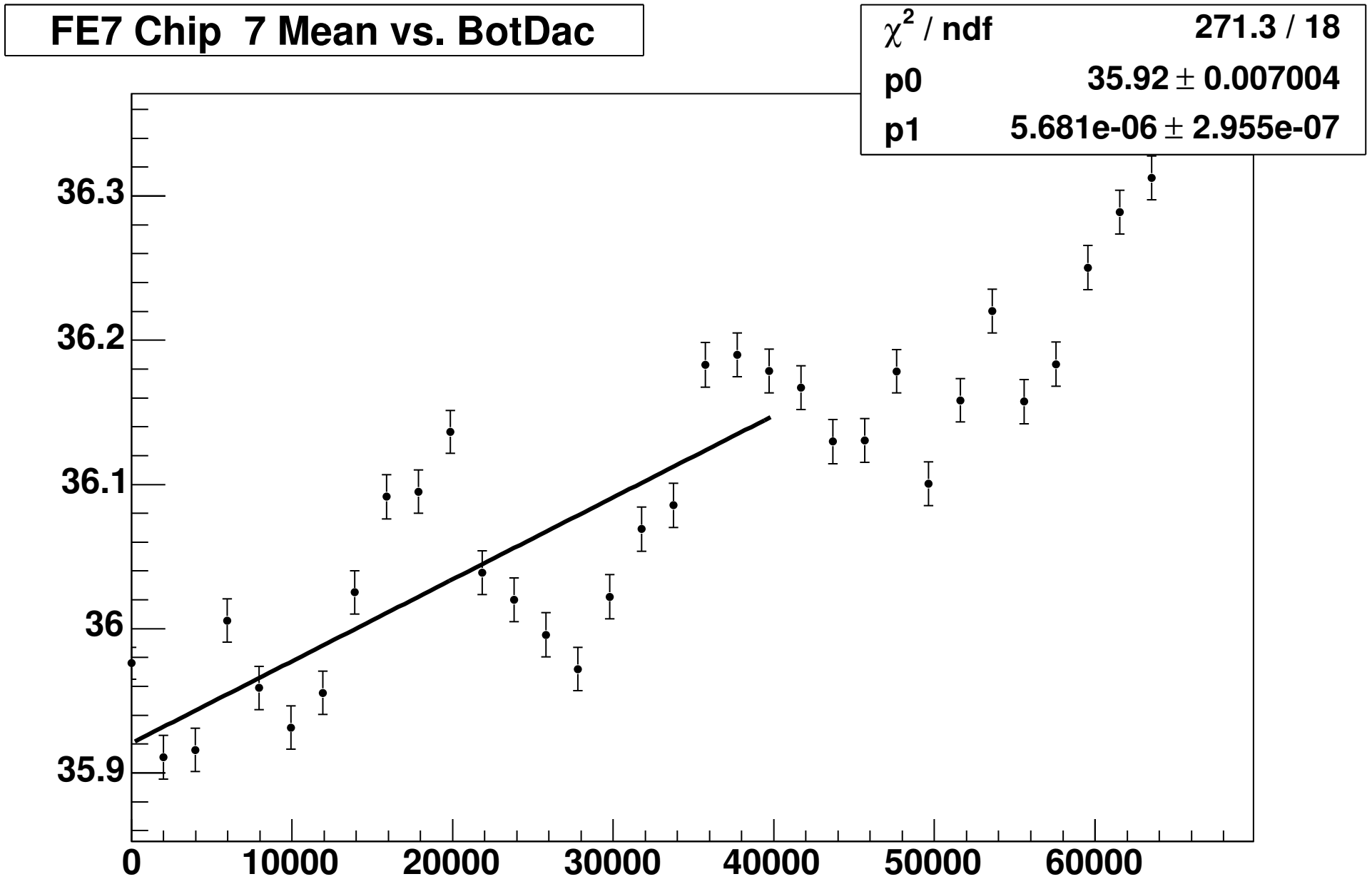

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 16.5 / 18
p0 1.431 ± 0.002409
p1 -7.364e-14 ± 2.1e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

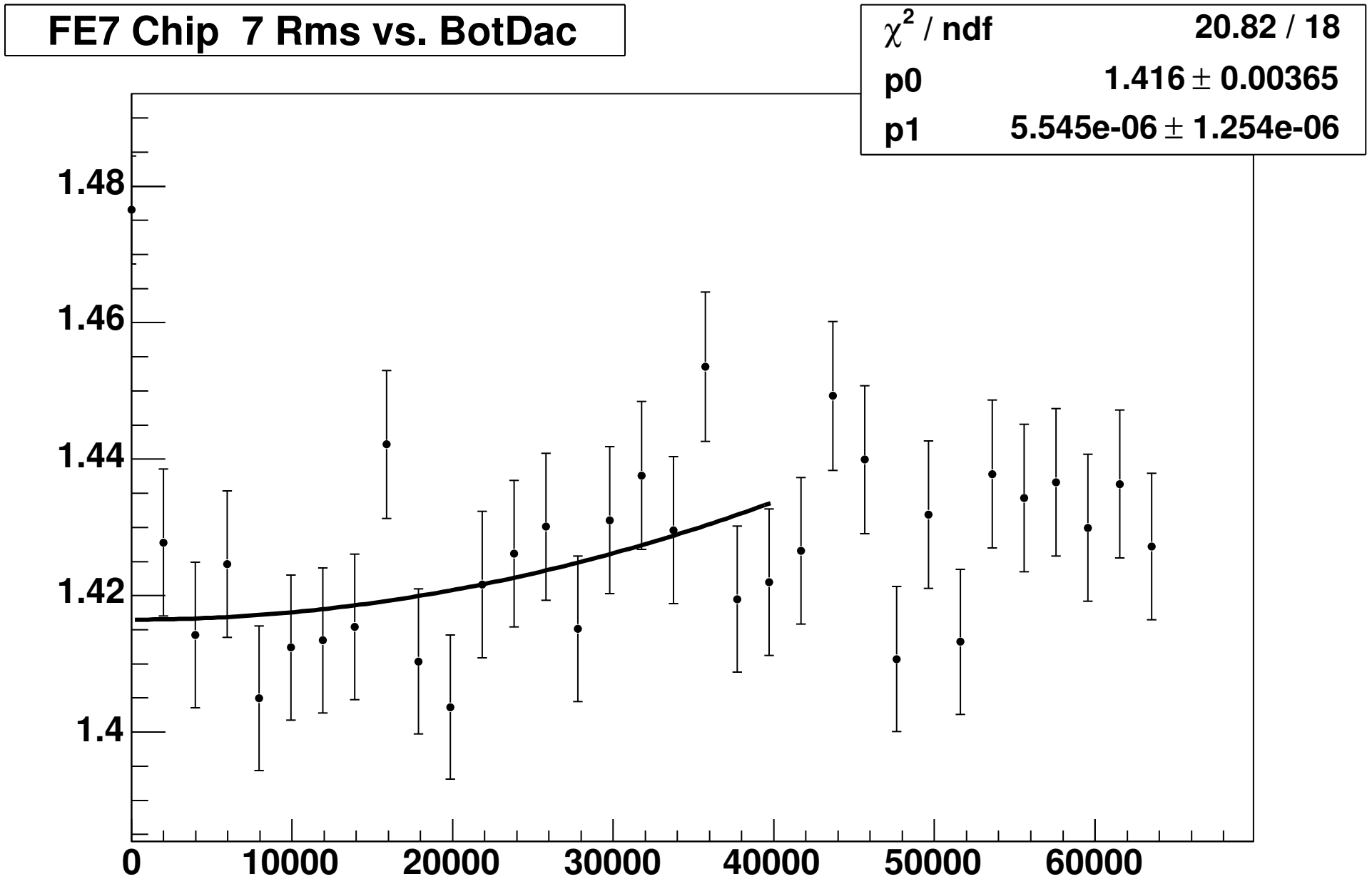

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 296 / 18
p0 32.7 ± 0.007114
p1 5.925e-06 ± 2.999e-07
33.1
33
32.9
32.8
32.7
0
10000
20000
30000
40000
50000
60000

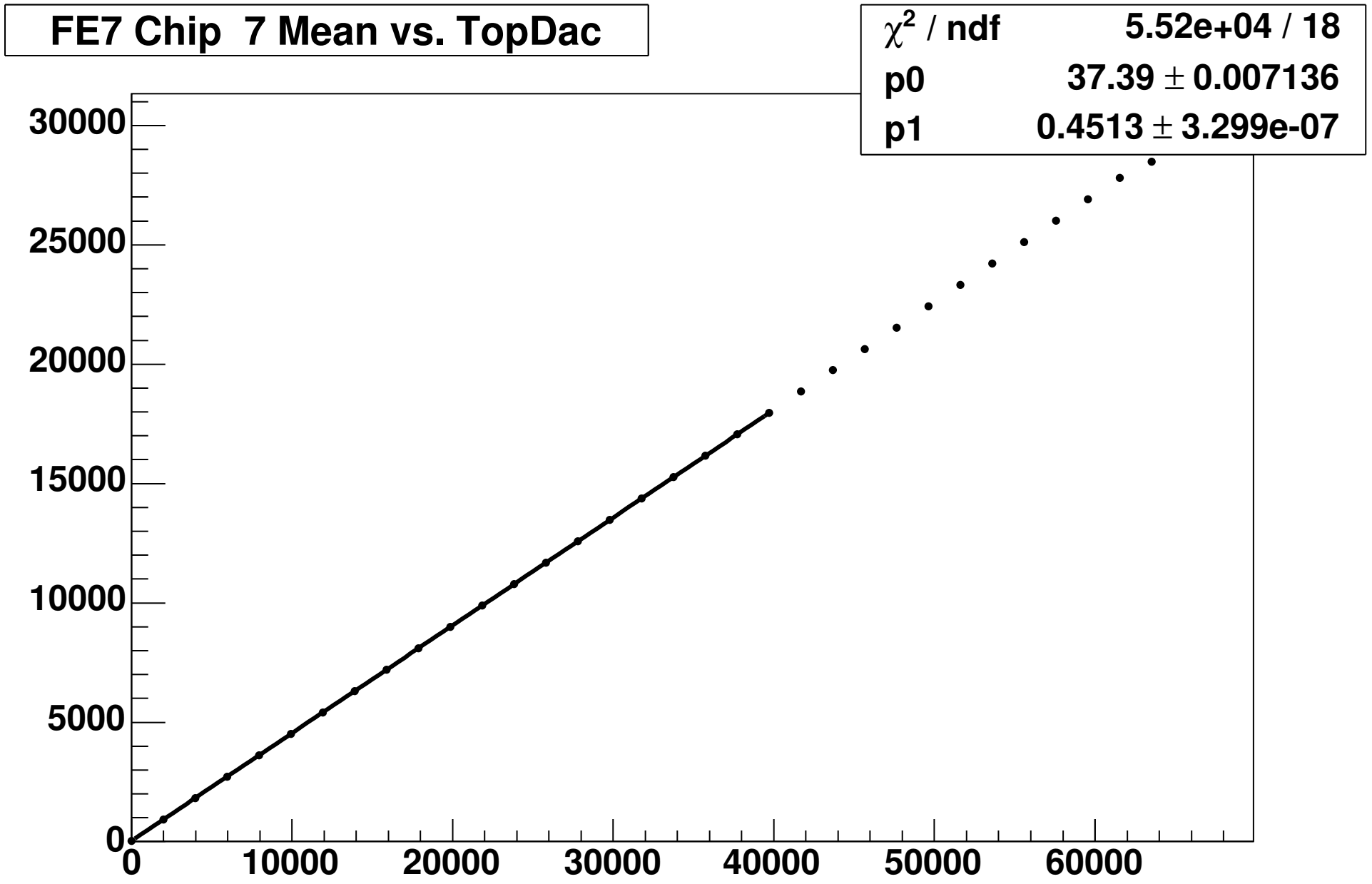

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 24.71 / 18
p0 1.441 ± 0.003707
p1 4.953e-06 ± 1.45e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

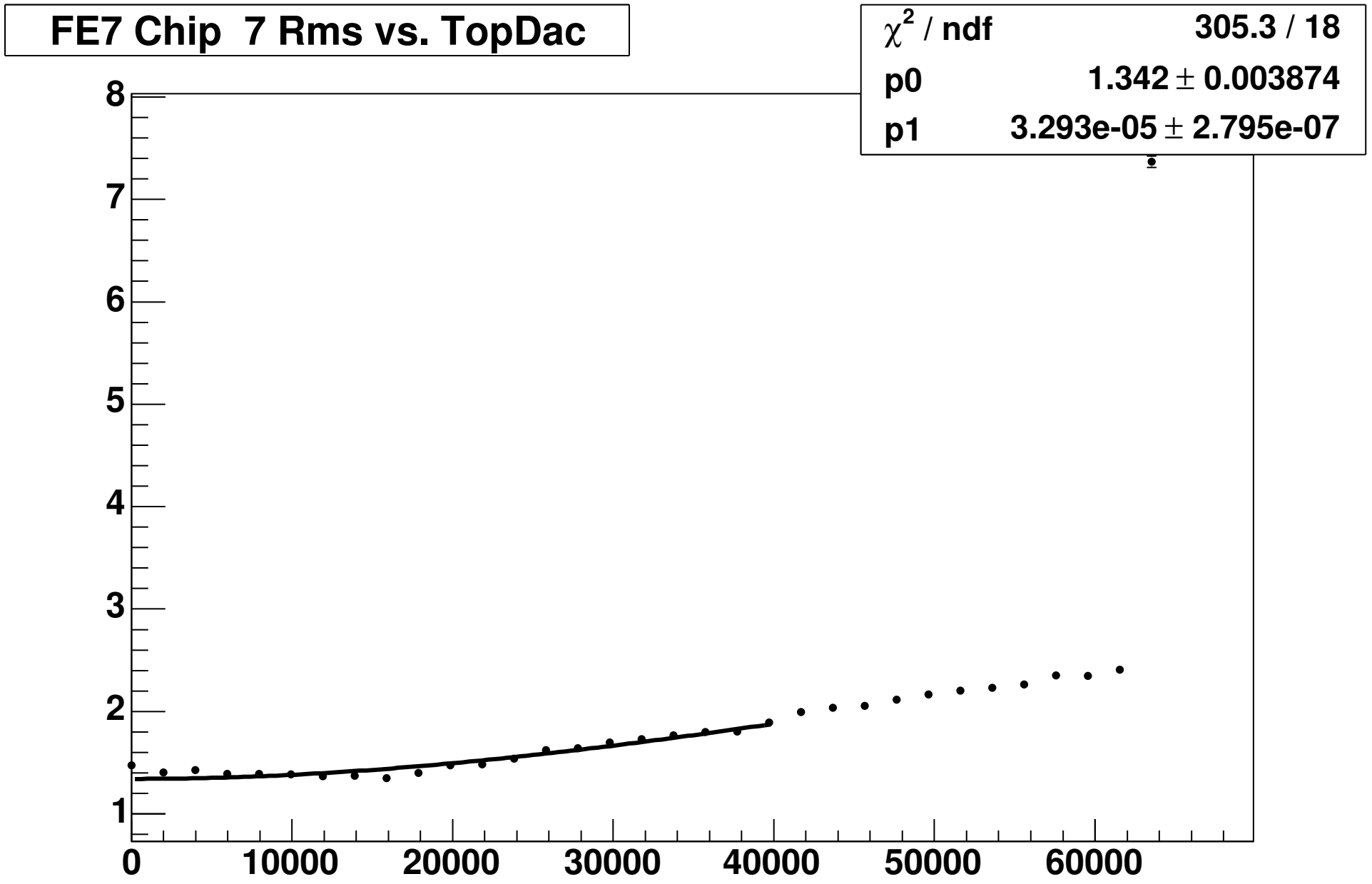

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 4.731e+04 / 18
p0 34.29 ± 0.007045
p1 0.4514 ± 3.286e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

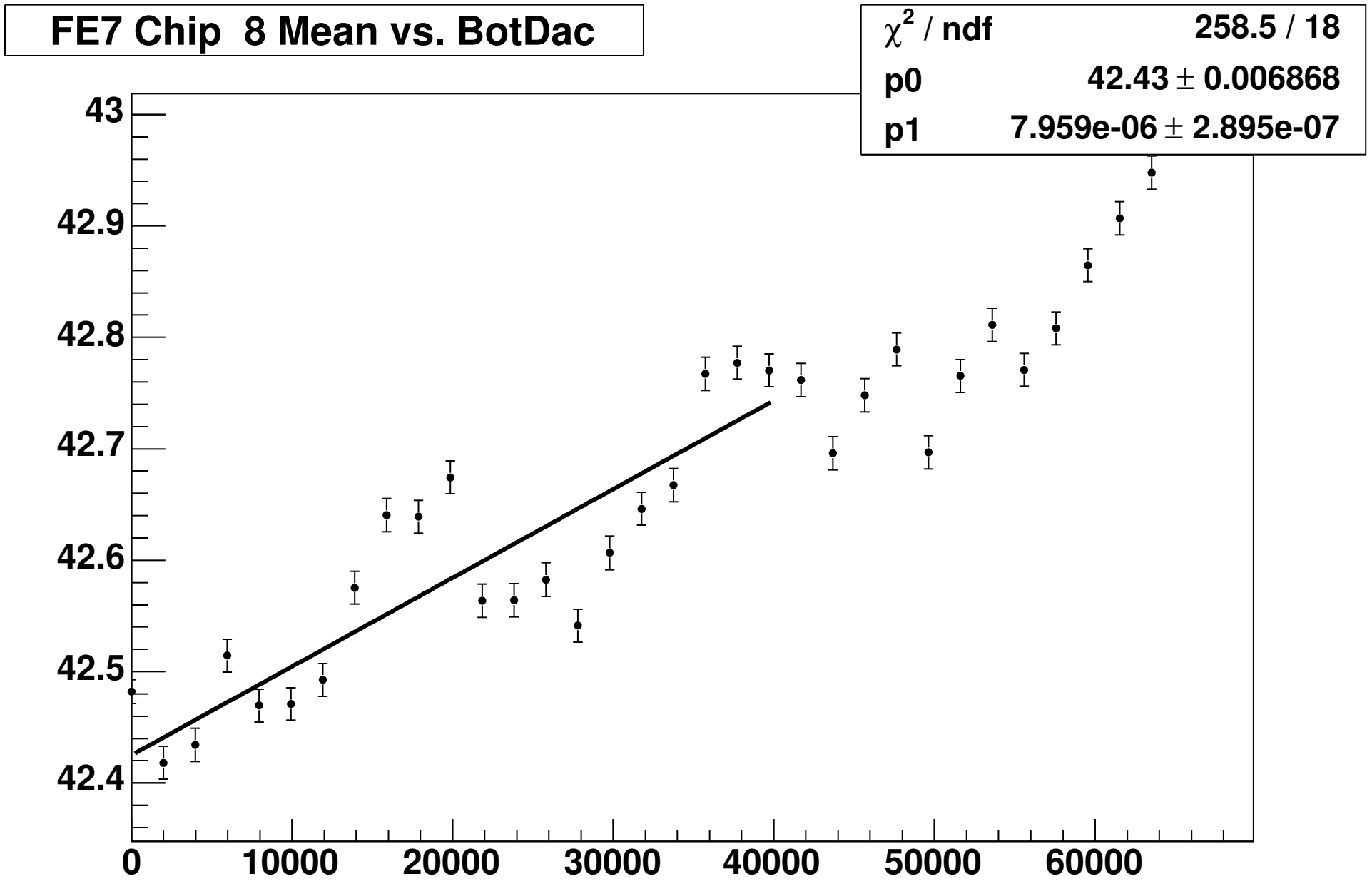

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 568.3 / 18
p0 1.305 ± 0.00382
p1 3.404e-05 ± 2.668e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

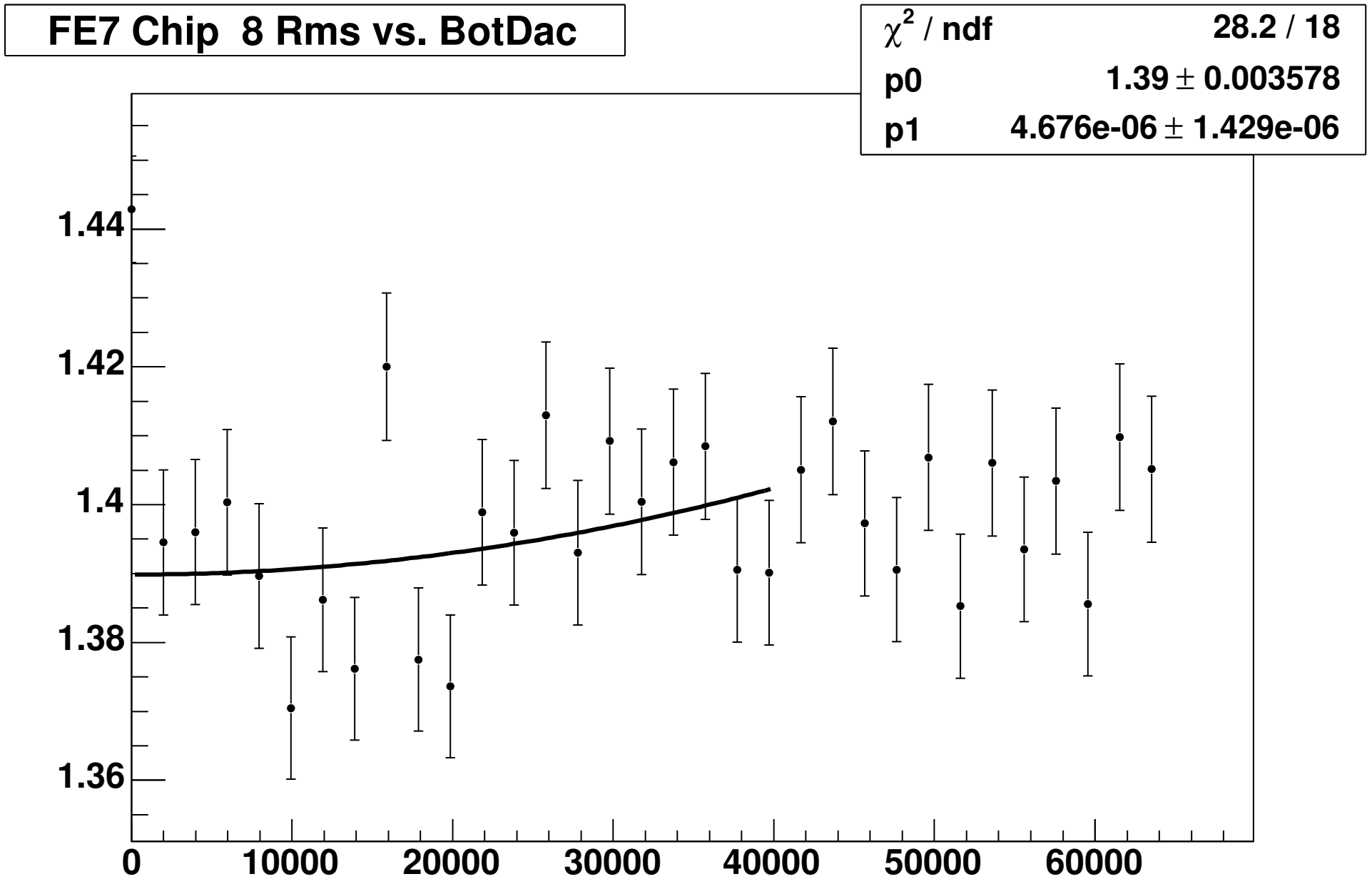

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 271.3 / 18
p0 35.92 ± 0.007004
p1 5.681e-06 ± 2.955e-07
36.3
36.2
36.1
36
35.9
0
10000
20000
30000
40000
50000
60000

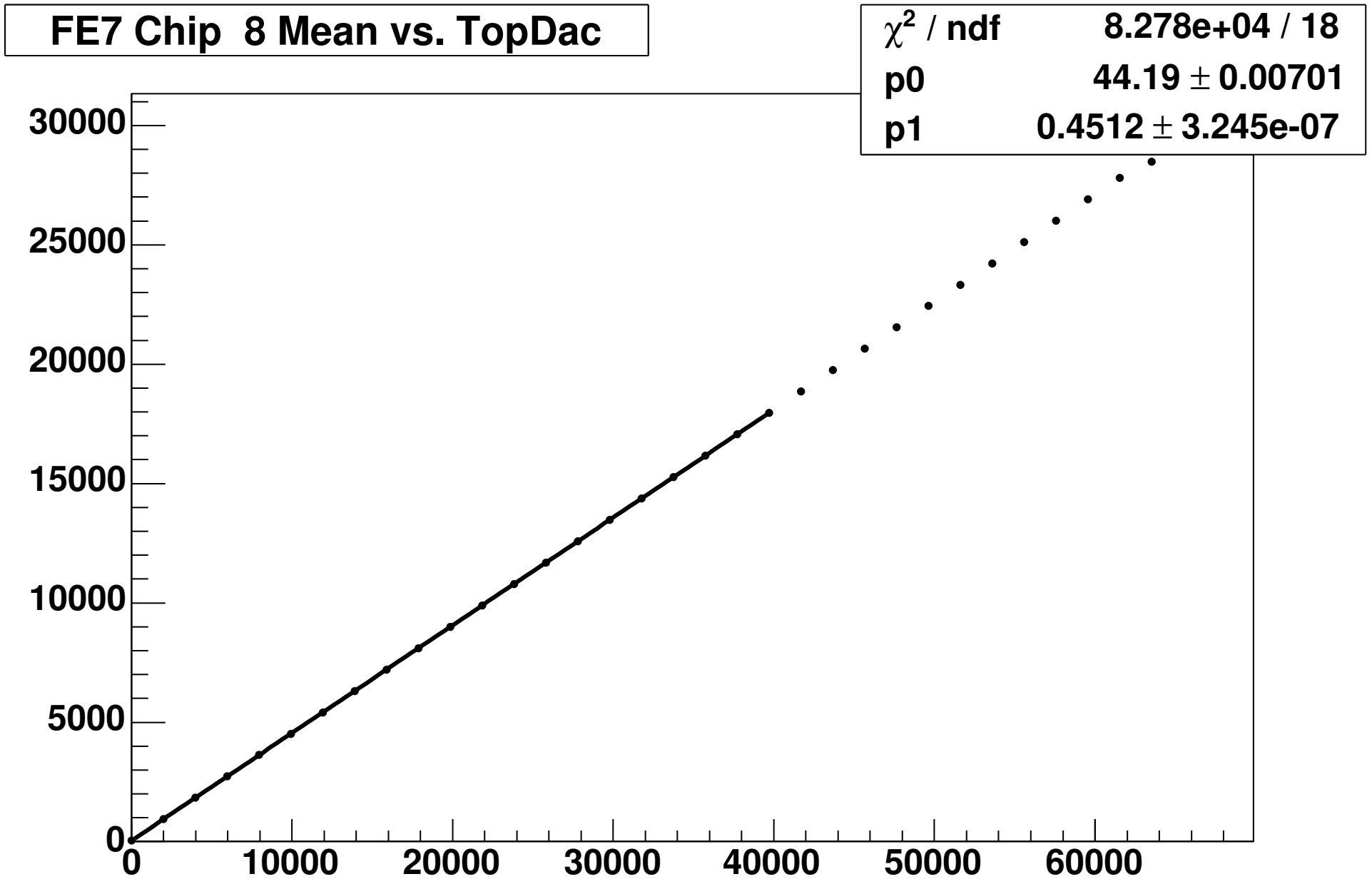

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 20.82 / 18
p0 1.416 ± 0.00365
p1 5.545e-06 ± 1.254e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

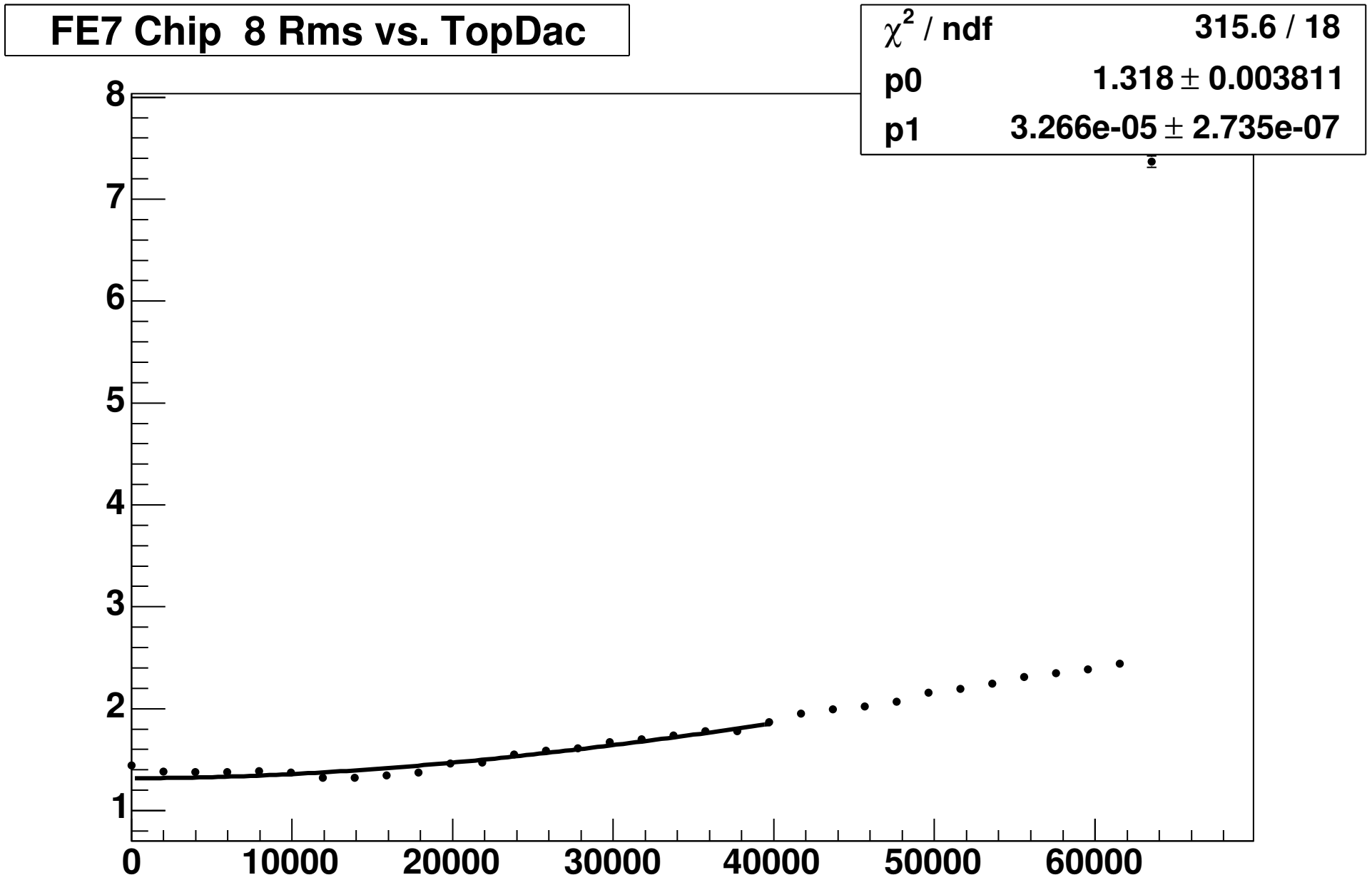

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 5.52e+04 / 18
p0 37.39 ± 0.007136
p1 0.4513 ± 3.299e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

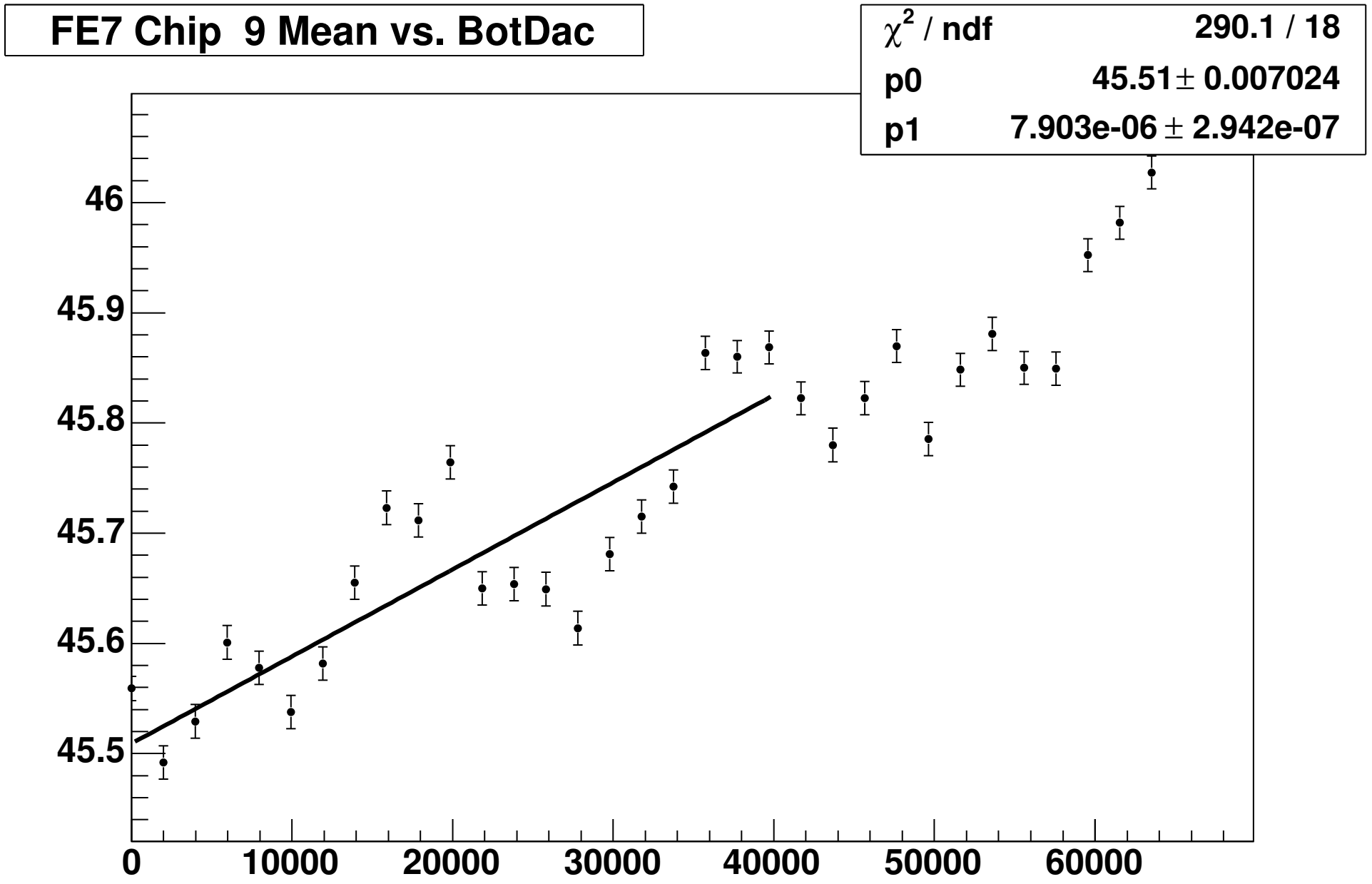

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 305.3 / 18
p0 1.342 ± 0.003874
p1 3.293e-05 ± 2.795e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

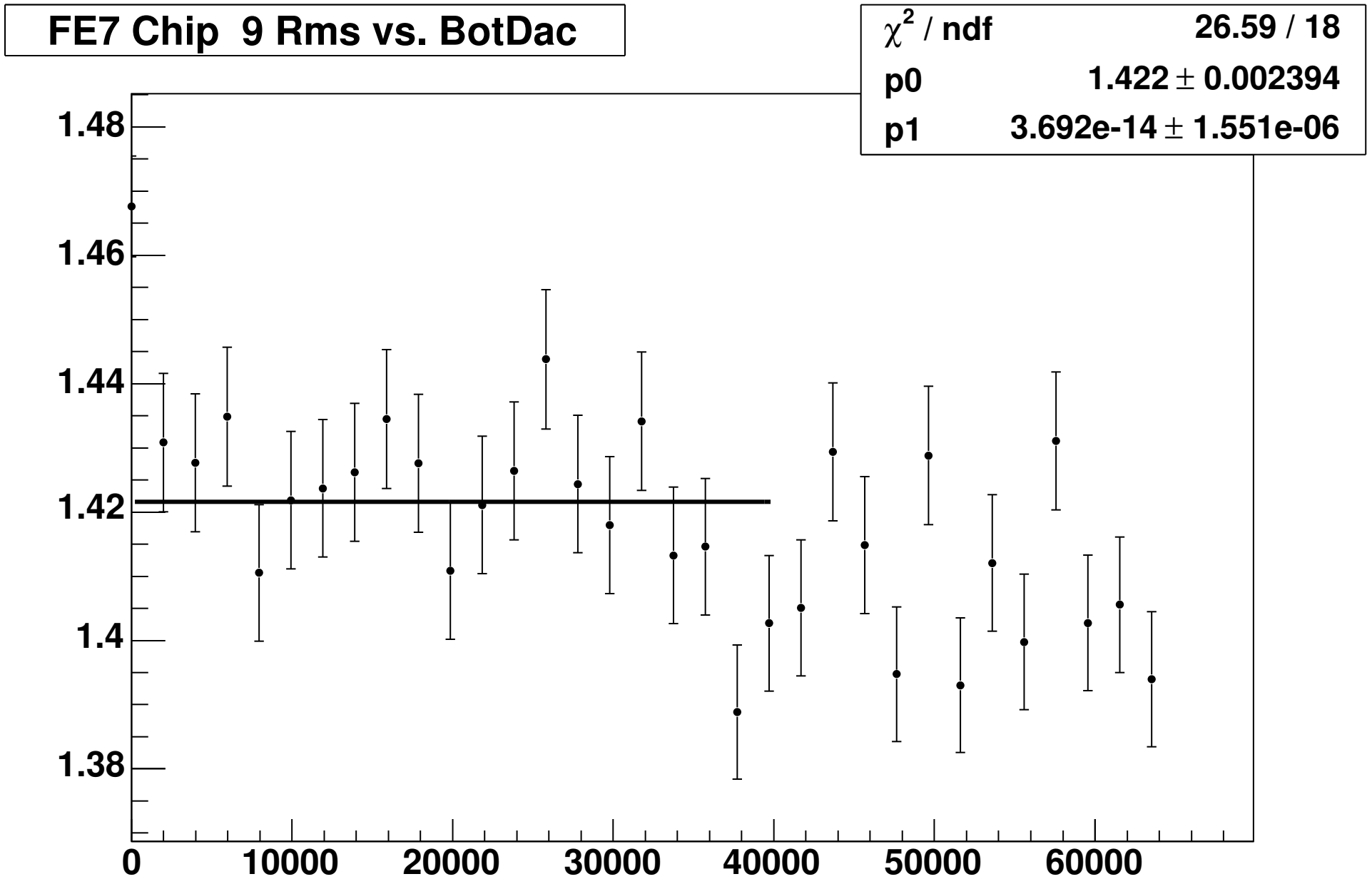

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 258.5 / 18
p0 42.43 ± 0.006868
p1 7.959e-06 ± 2.895e-07
43
42.9
42.8
42.7
42.6
42.5
42.4
0
10000
20000
30000
40000
50000
60000

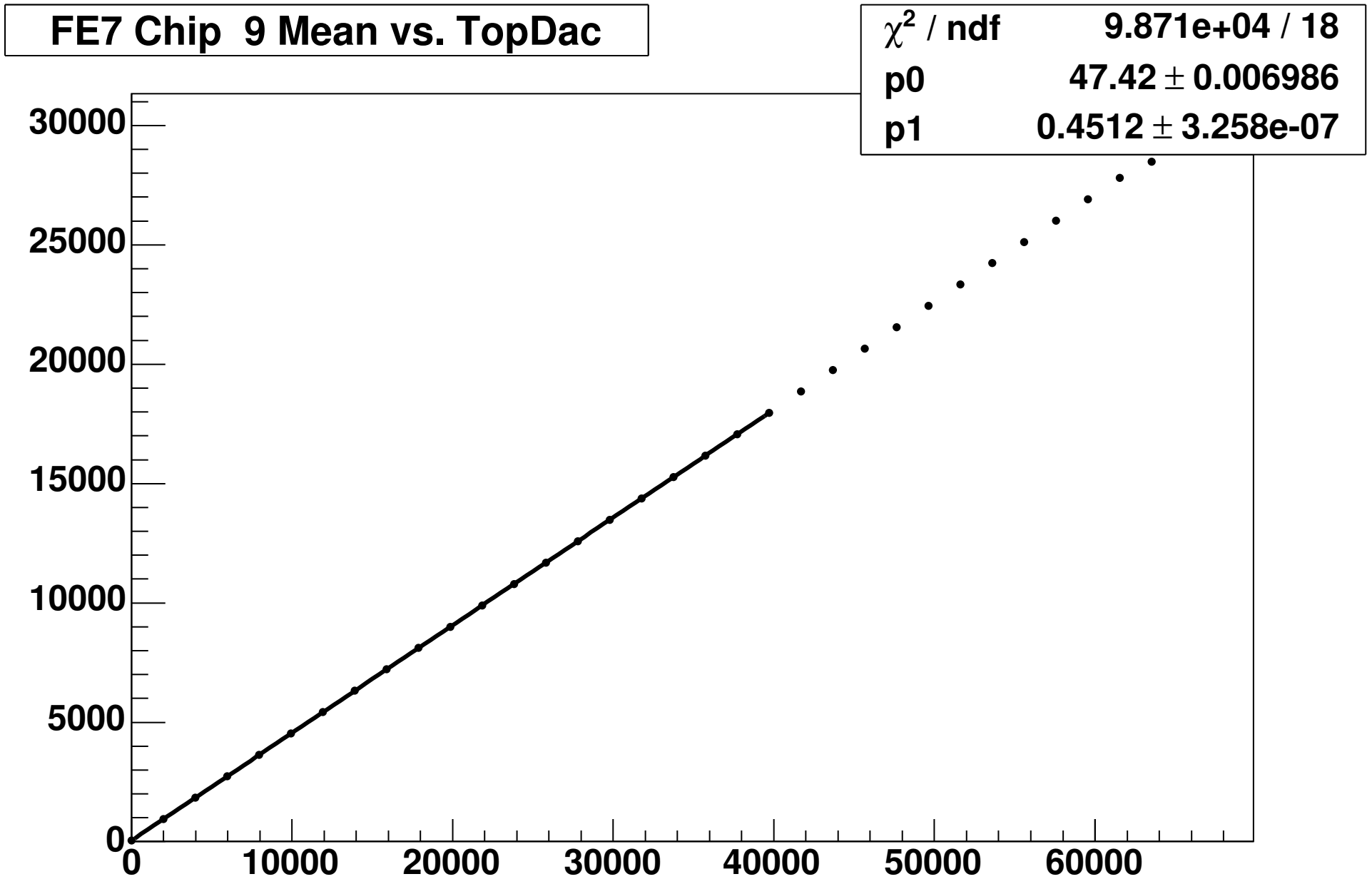

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 28.2 / 18
p0 1.39 ± 0.003578
p1 4.676e-06 ± 1.429e-06
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000

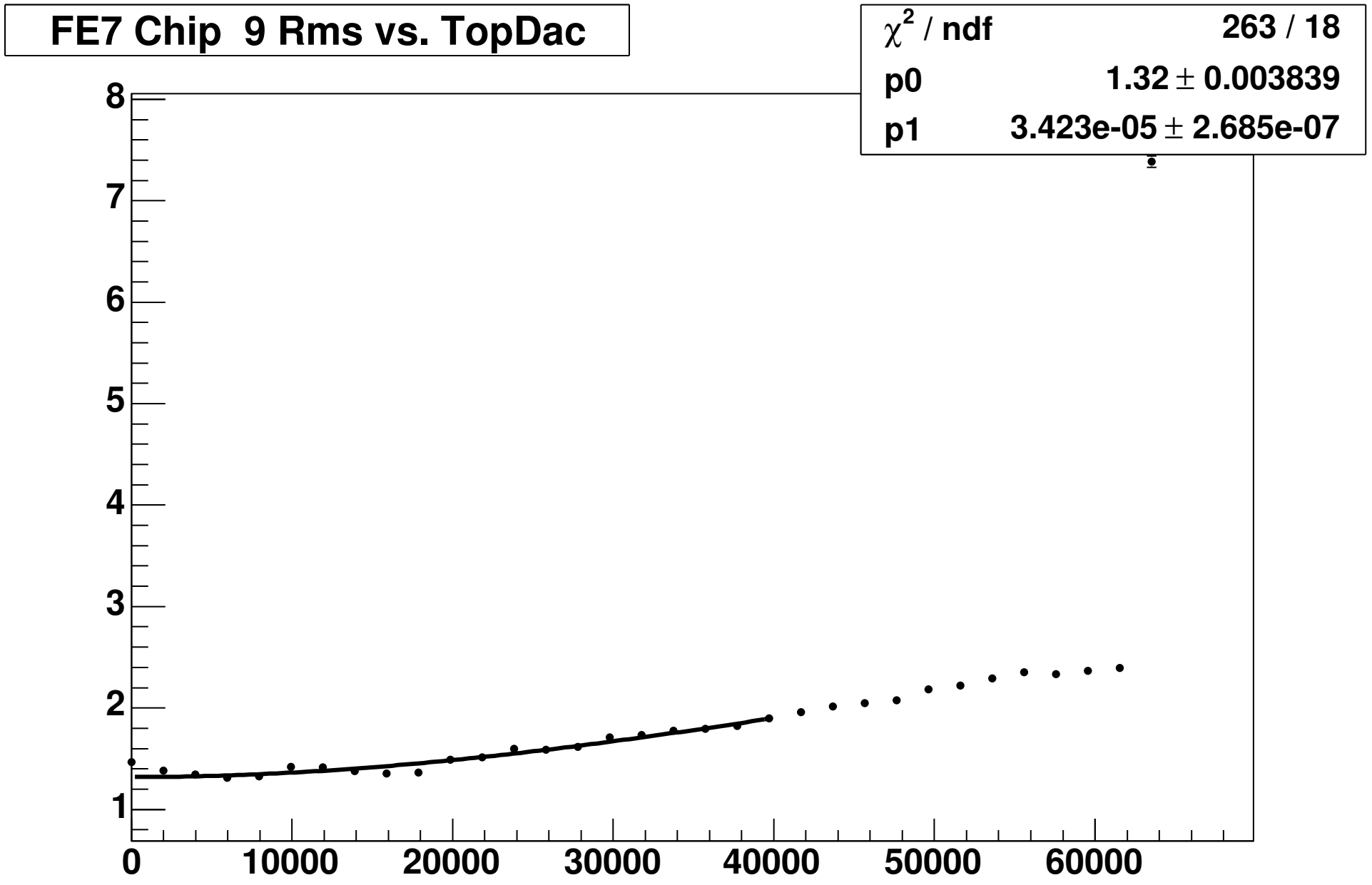

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 8.278e+04 / 18
p0 44.19 ± 0.00701
p1 0.4512 ± 3.245e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

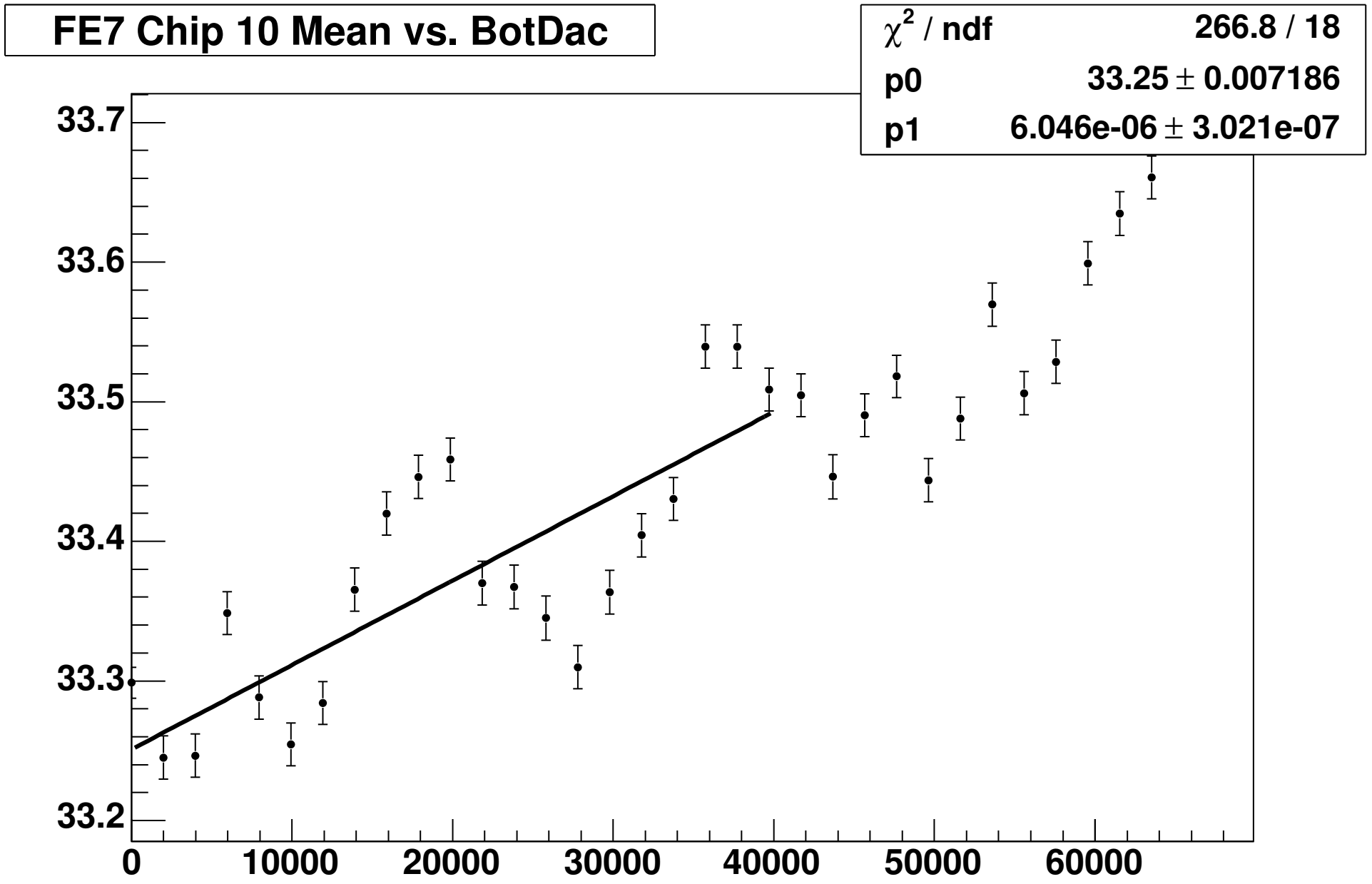

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 315.6 / 18
p0 1.318 ± 0.003811
p1 3.266e-05 ± 2.735e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

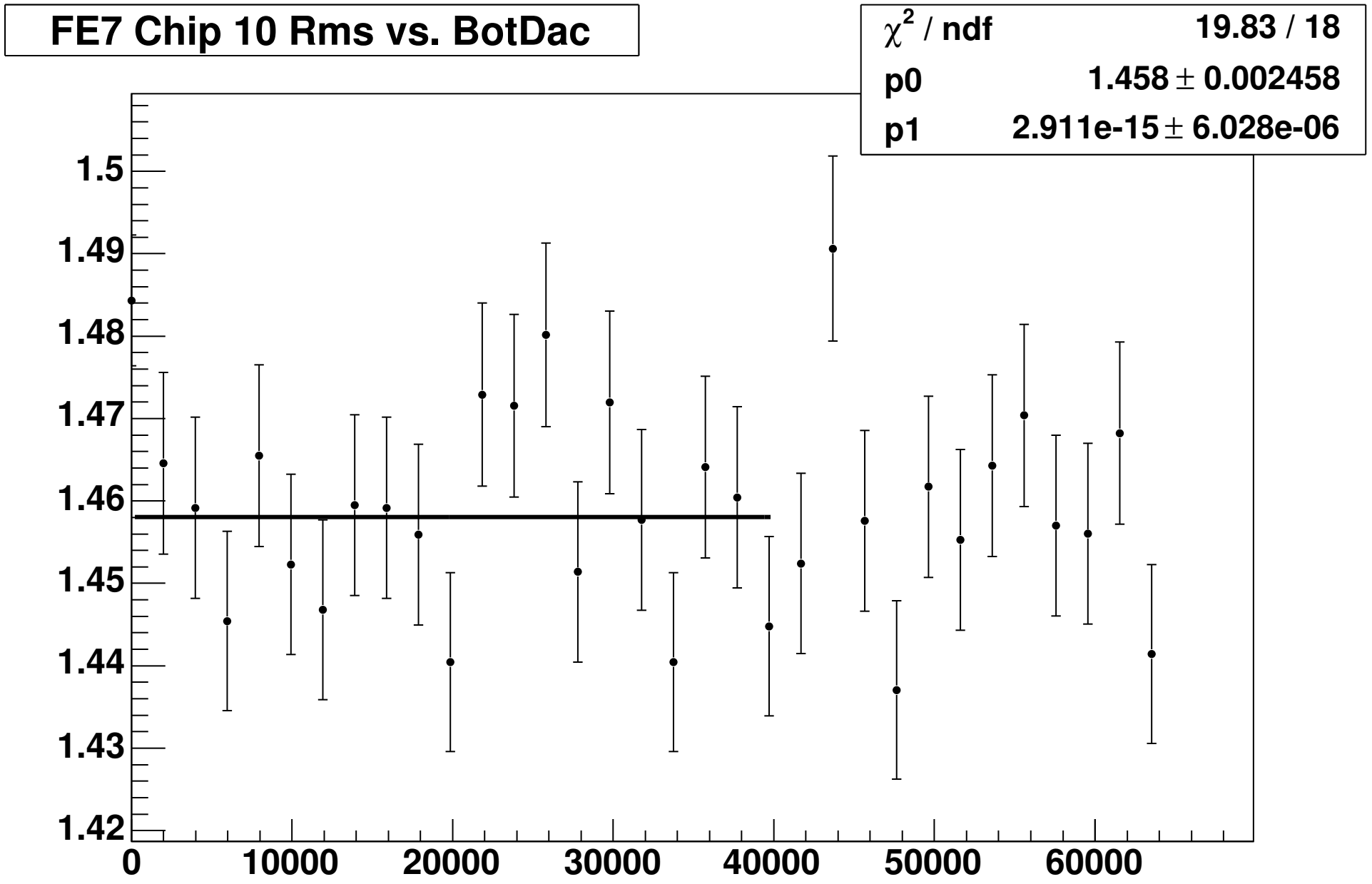

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 290.1 / 18
p0 45.51 ± 0.007024
p1 7.903e-06 ± 2.942e-07
46
45.9
45.8
45.7
45.6
45.5
0
10000
20000
30000
40000
50000
60000

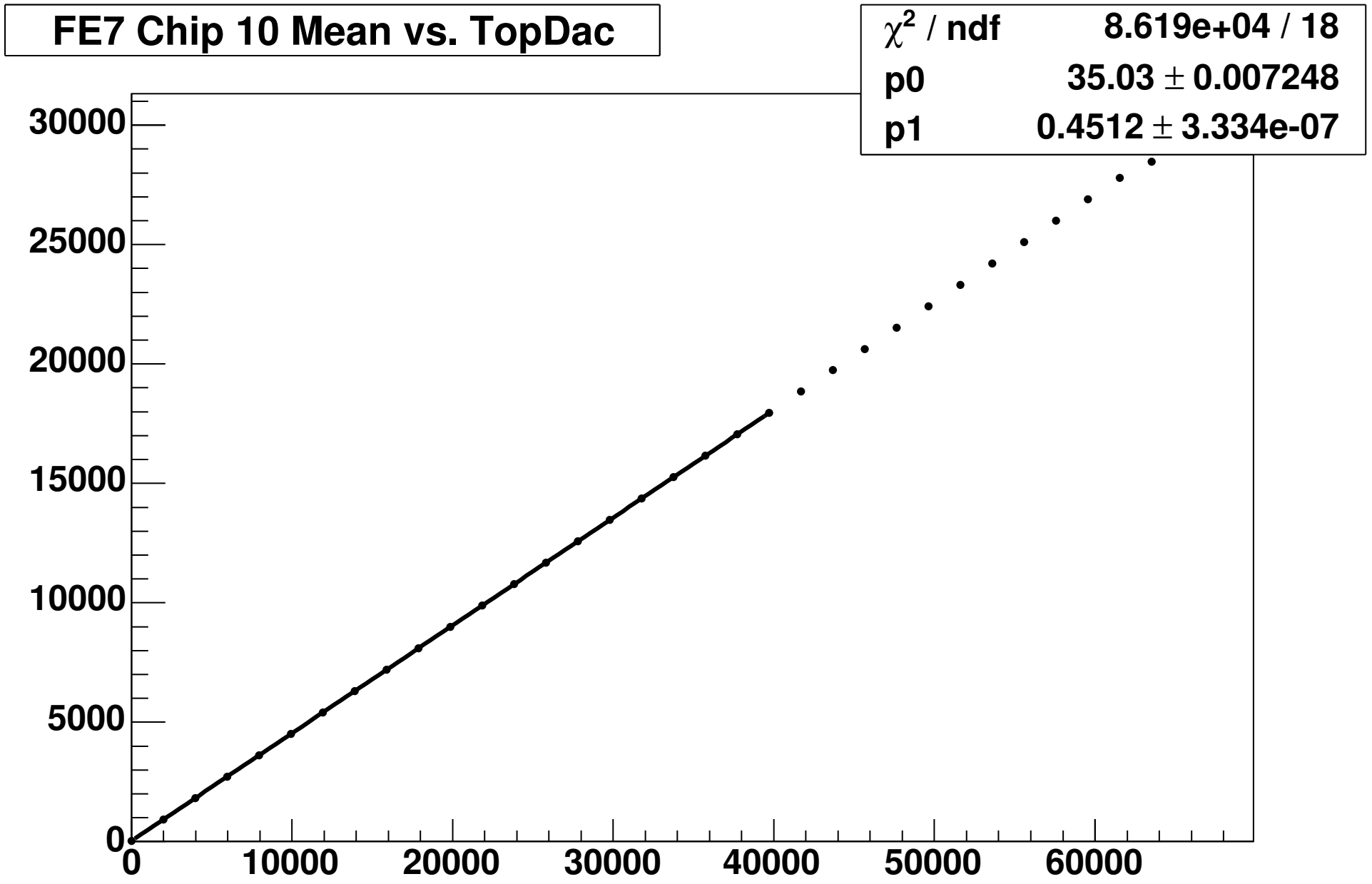

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 26.59 / 18
p0 1.422 ± 0.002394
p1 3.692e-14 ± 1.551e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

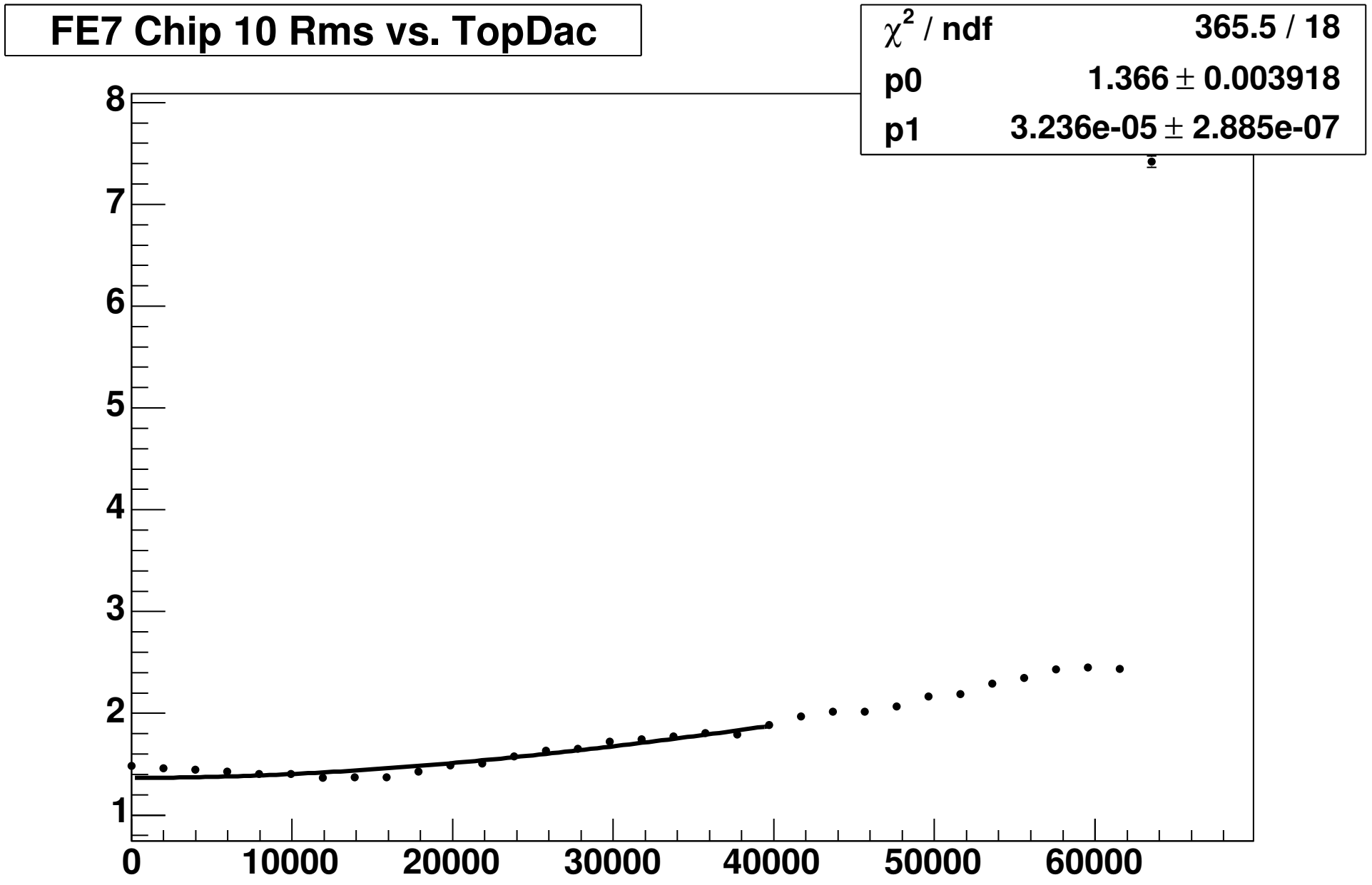

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 9.871e+04 / 18
p0 47.42 ± 0.006986
p1 0.4512 ± 3.258e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

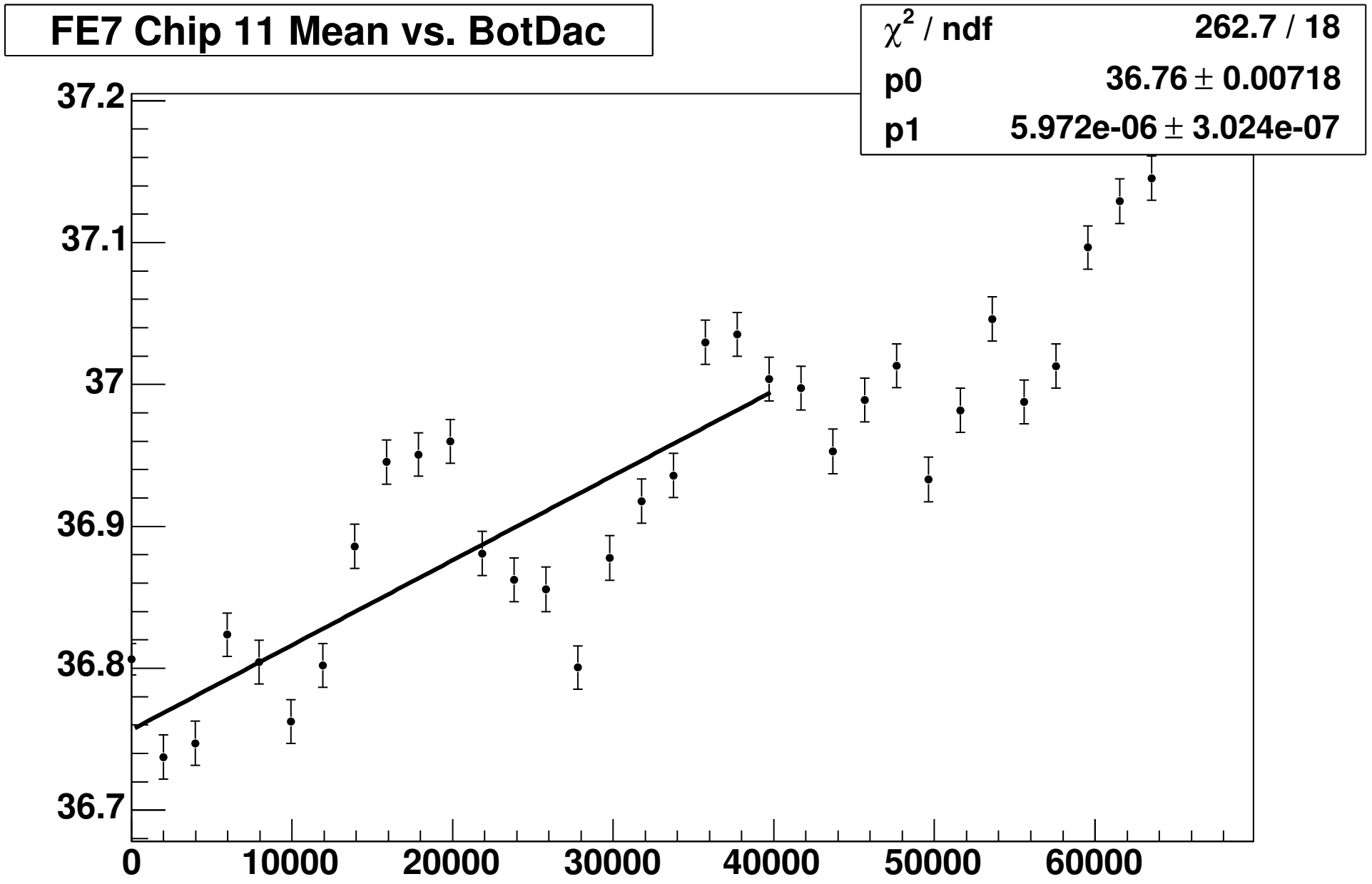

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 263 / 18
p0 1.32 ± 0.003839
p1 3.423e-05 ± 2.685e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

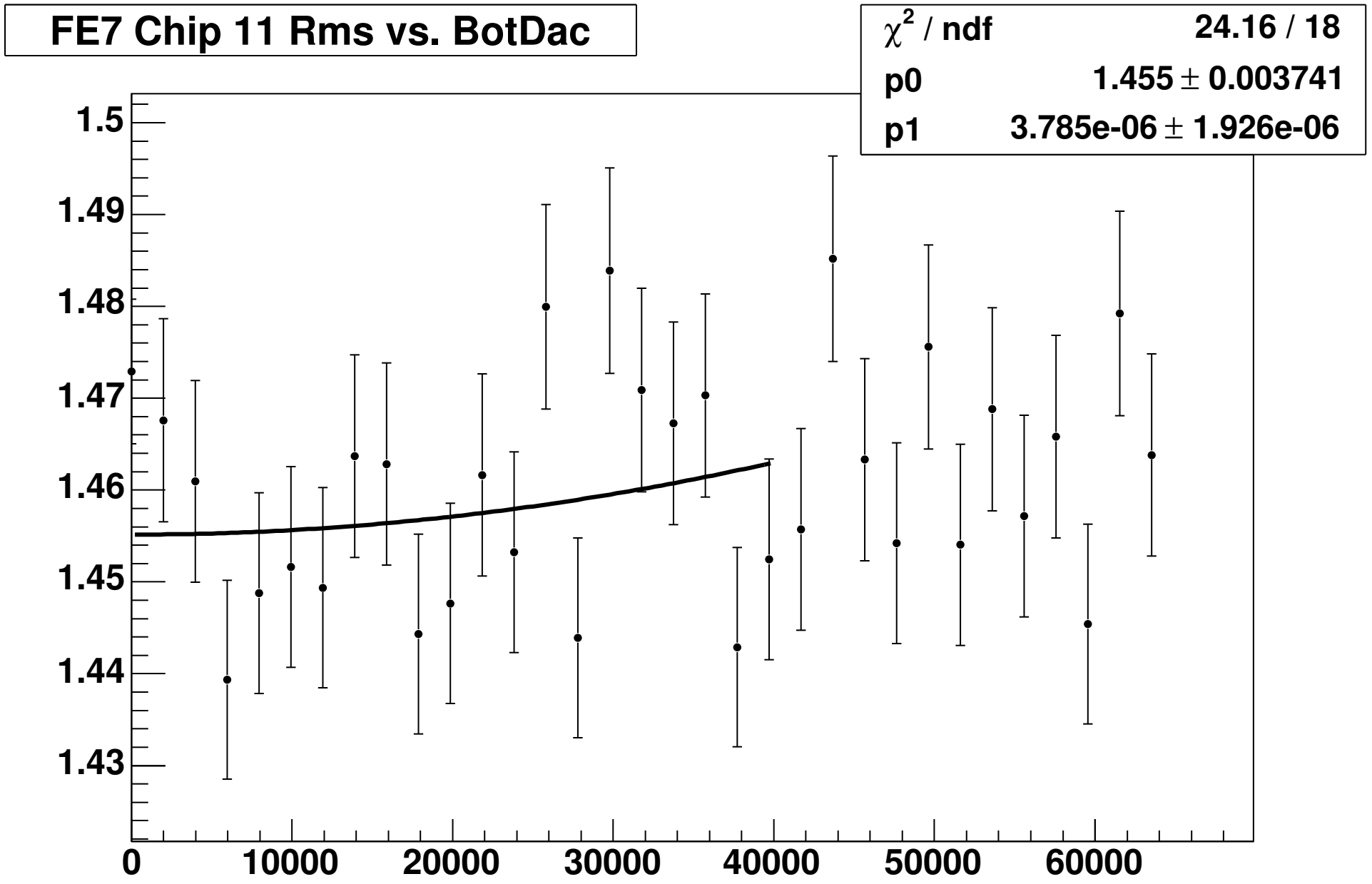

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 266.8 / 18
p0 33.25 ± 0.007186
p1 6.046e-06 ± 3.021e-07
33.7
33.6
33.5
33.4
33.3
33.2
0
10000
20000
30000
40000
50000
60000

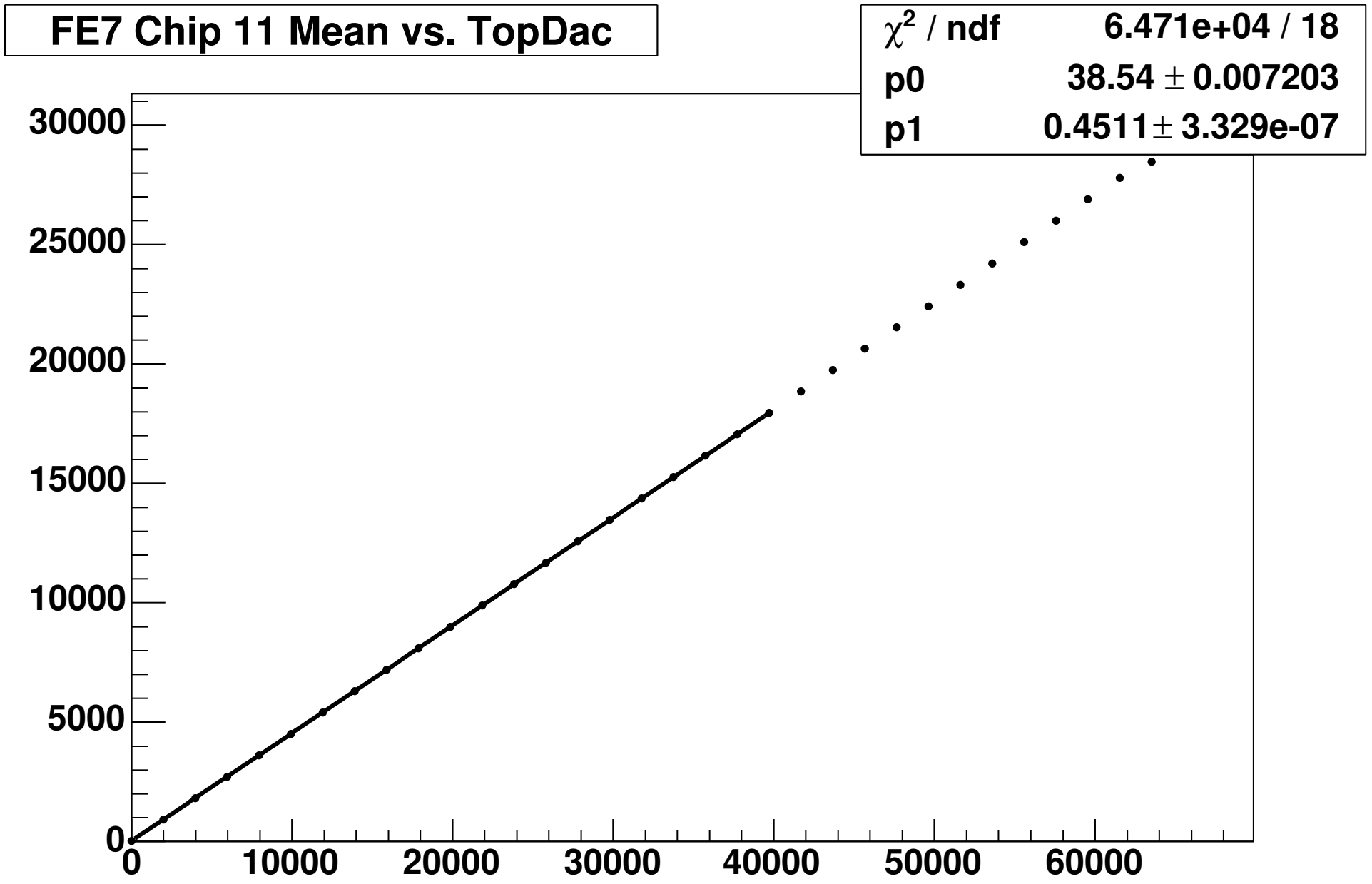

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 19.83 / 18
p0 1.458 ± 0.002458
p1 2.911e-15 ± 6.028e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

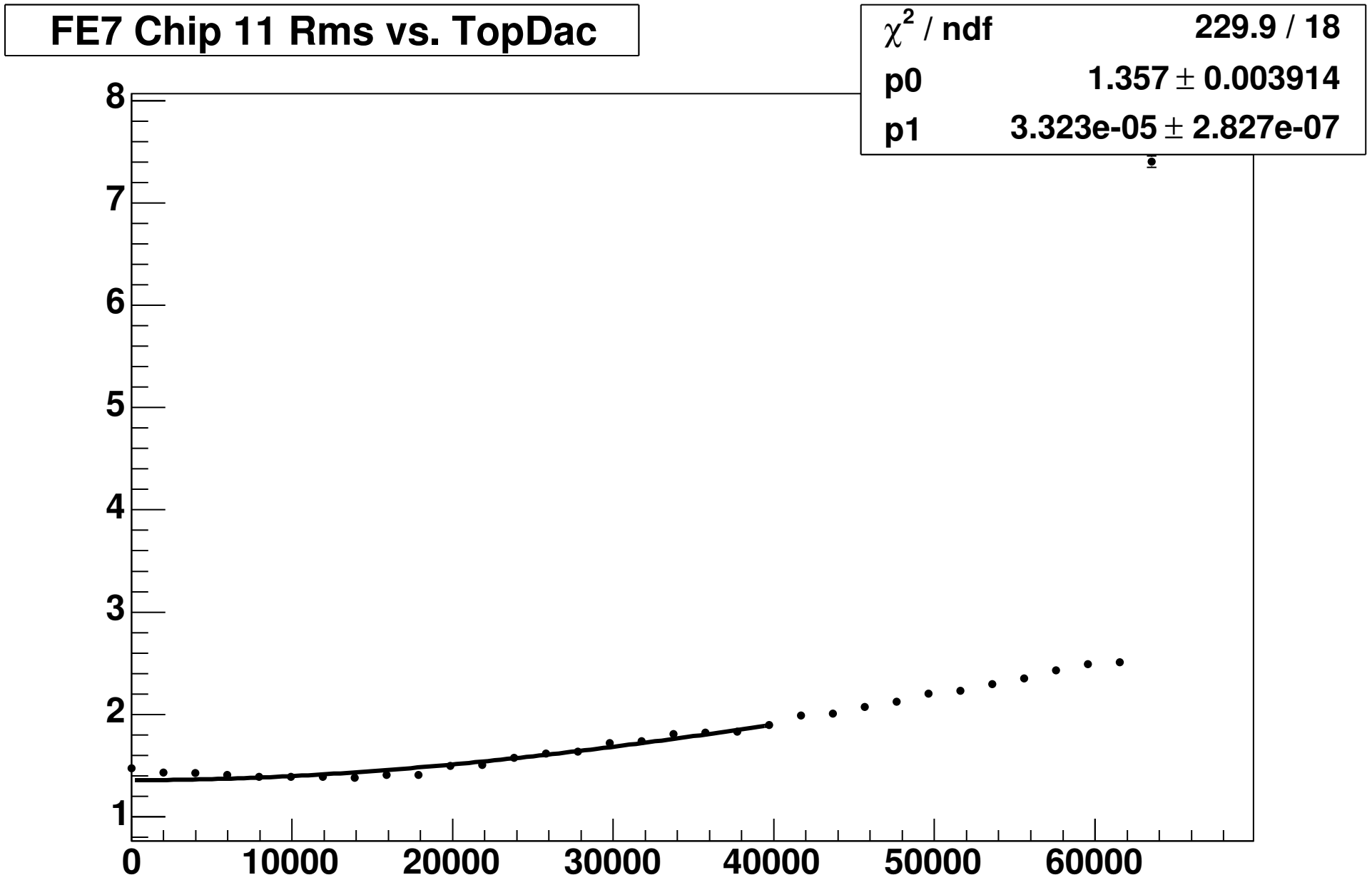

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 8.619e+04 / 18
p0 35.03 ± 0.007248
p1 0.4512 ± 3.334e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

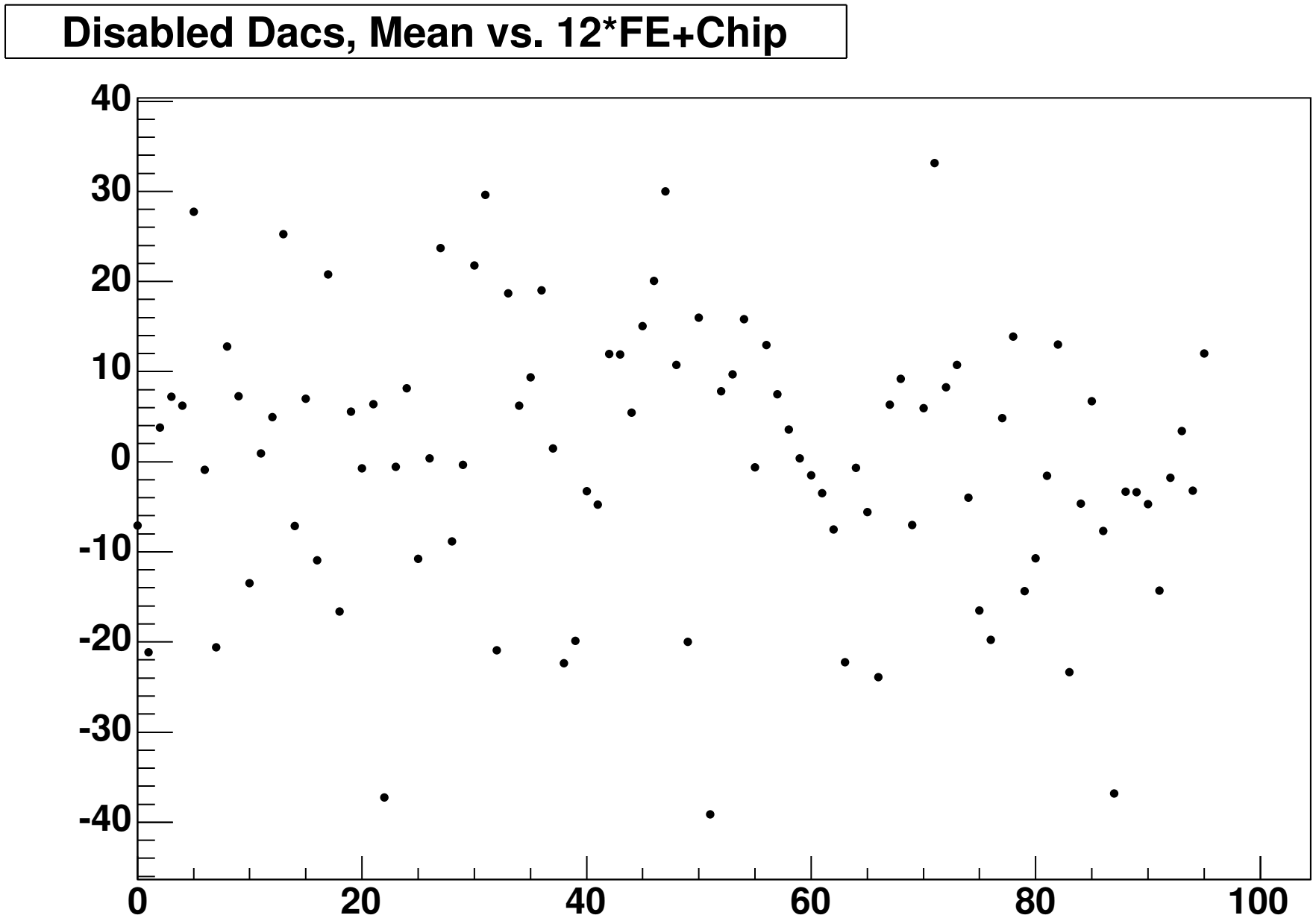

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 365.5 / 18
p0 1.366 ± 0.003918
p1 3.236e-05 ± 2.885e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

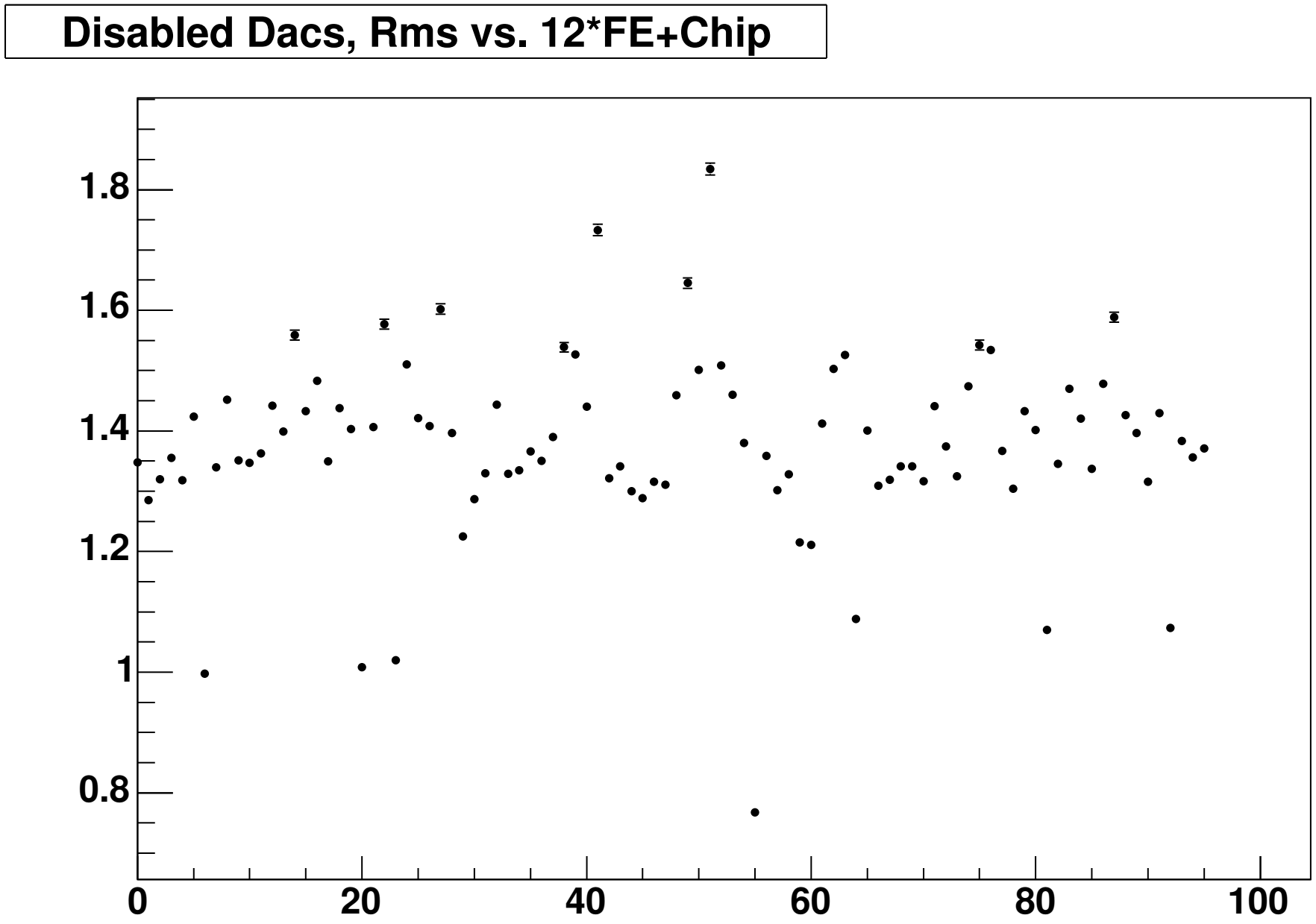

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 262.7 / 18
p0 36.76 ± 0.00718
p1 5.972e-06 ± 3.024e-07
37.2
37.1
37
36.9
36.8
36.7
0
10000
20000
30000
40000
50000
60000

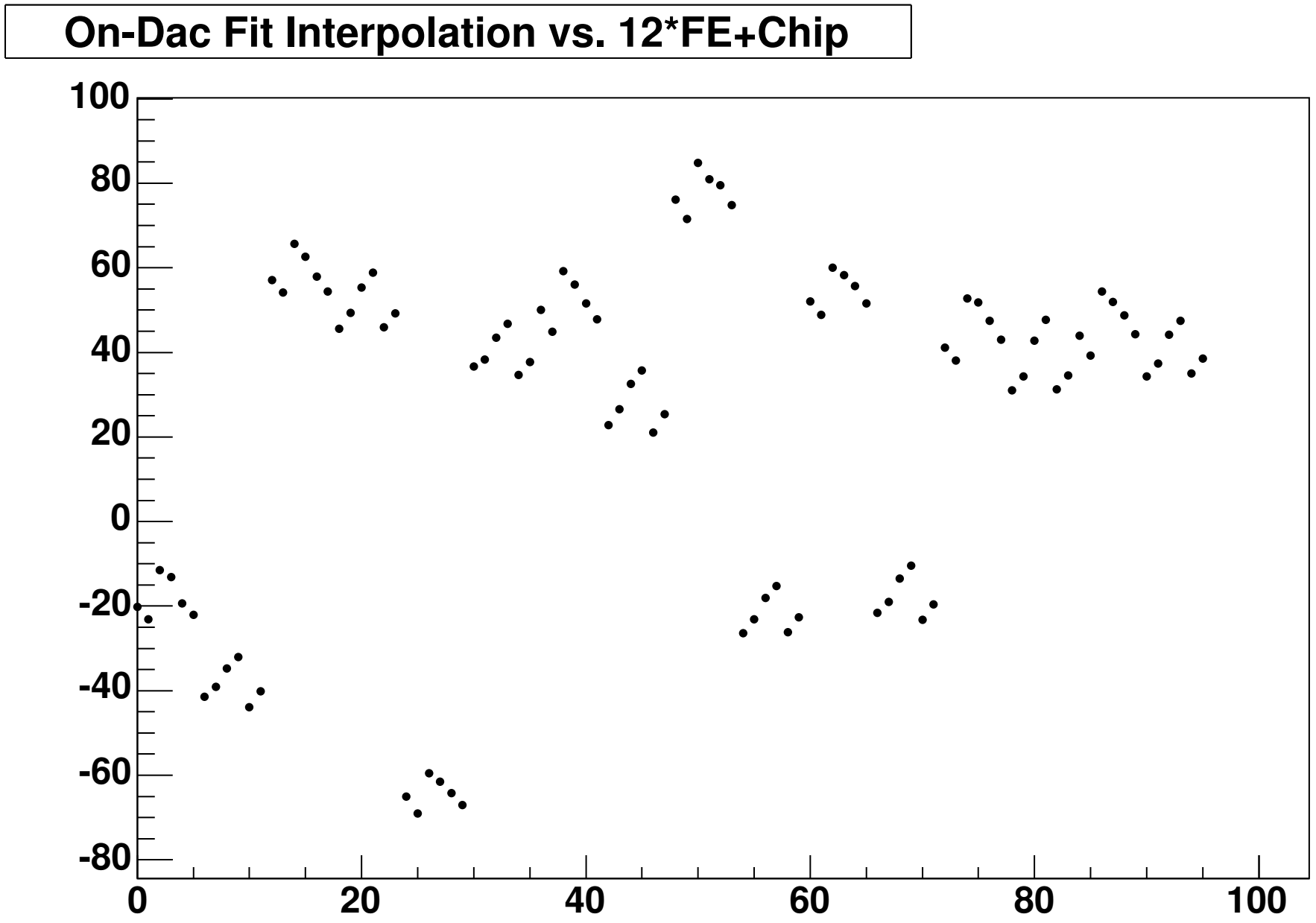

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 24.16 / 18
p0 1.455 ± 0.003741
p1 3.785e-06 ± 1.926e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

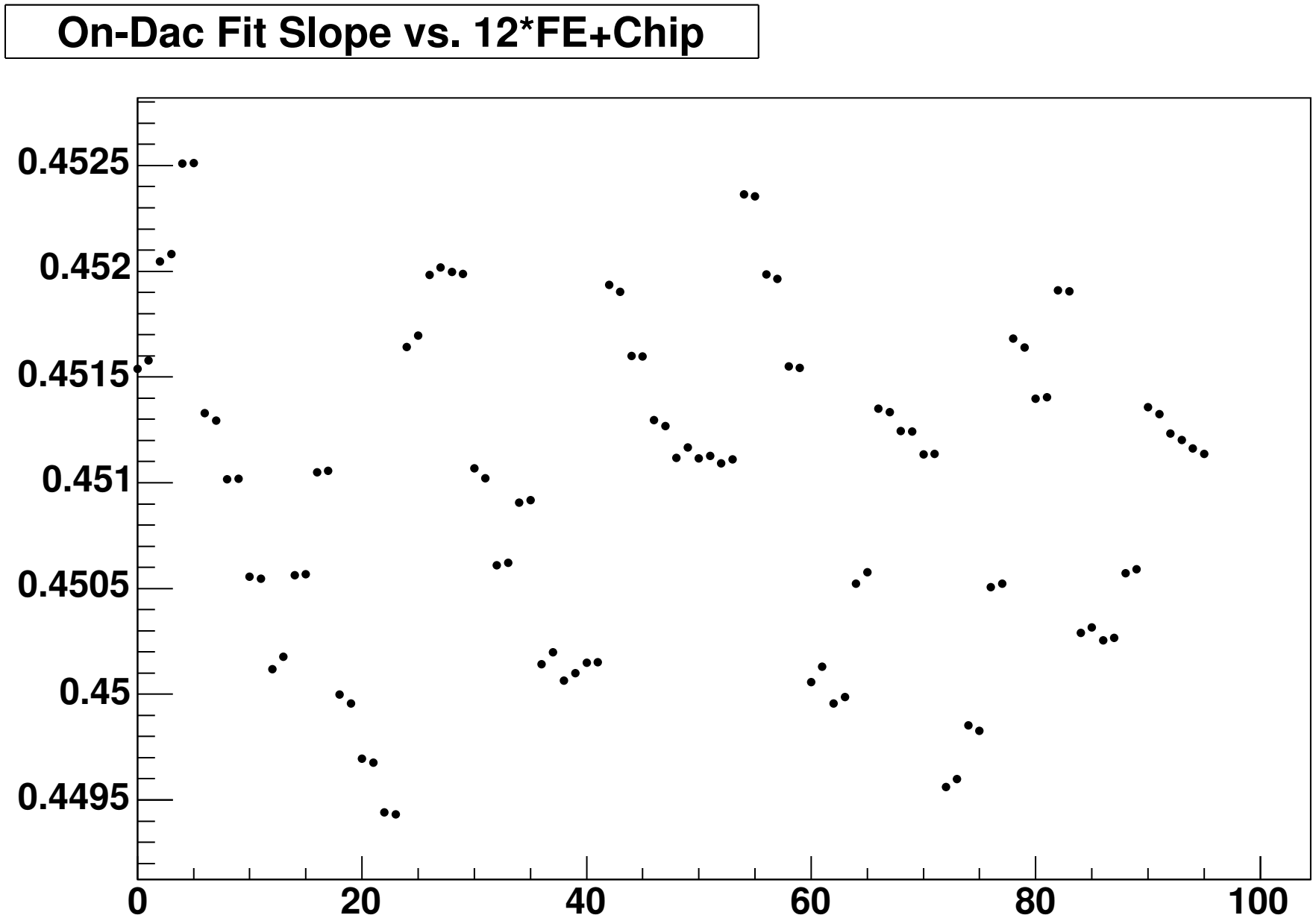

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 6.471e+04 / 18
p0 38.54 ± 0.007203
p1 0.4511 ± 3.329e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

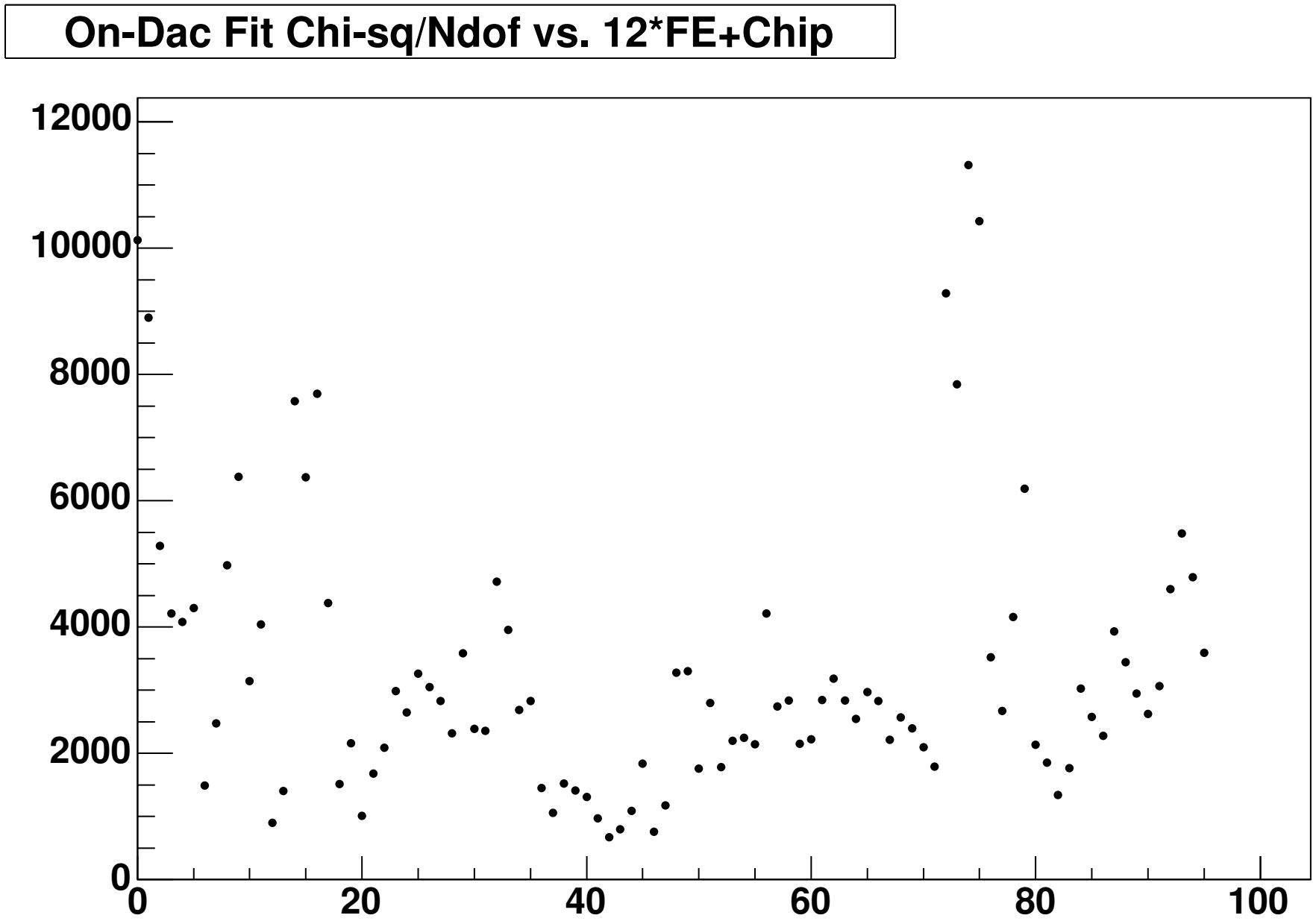

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 229.9 / 18
p0 1.357 ± 0.003914
p1 3.323e-05 ± 2.827e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

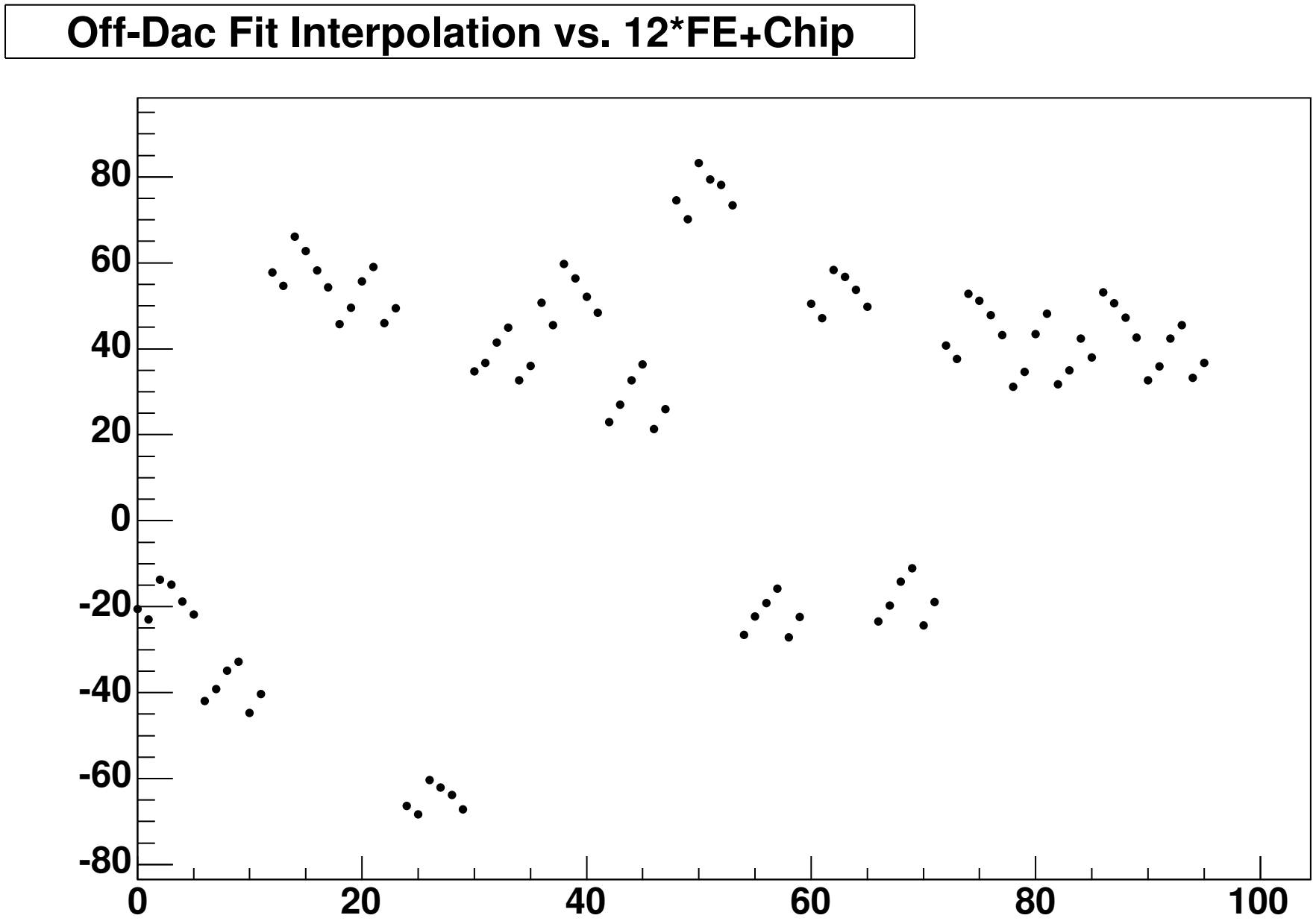

Disabled Dacs, Mean vs. 12*FE+Chip
40
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

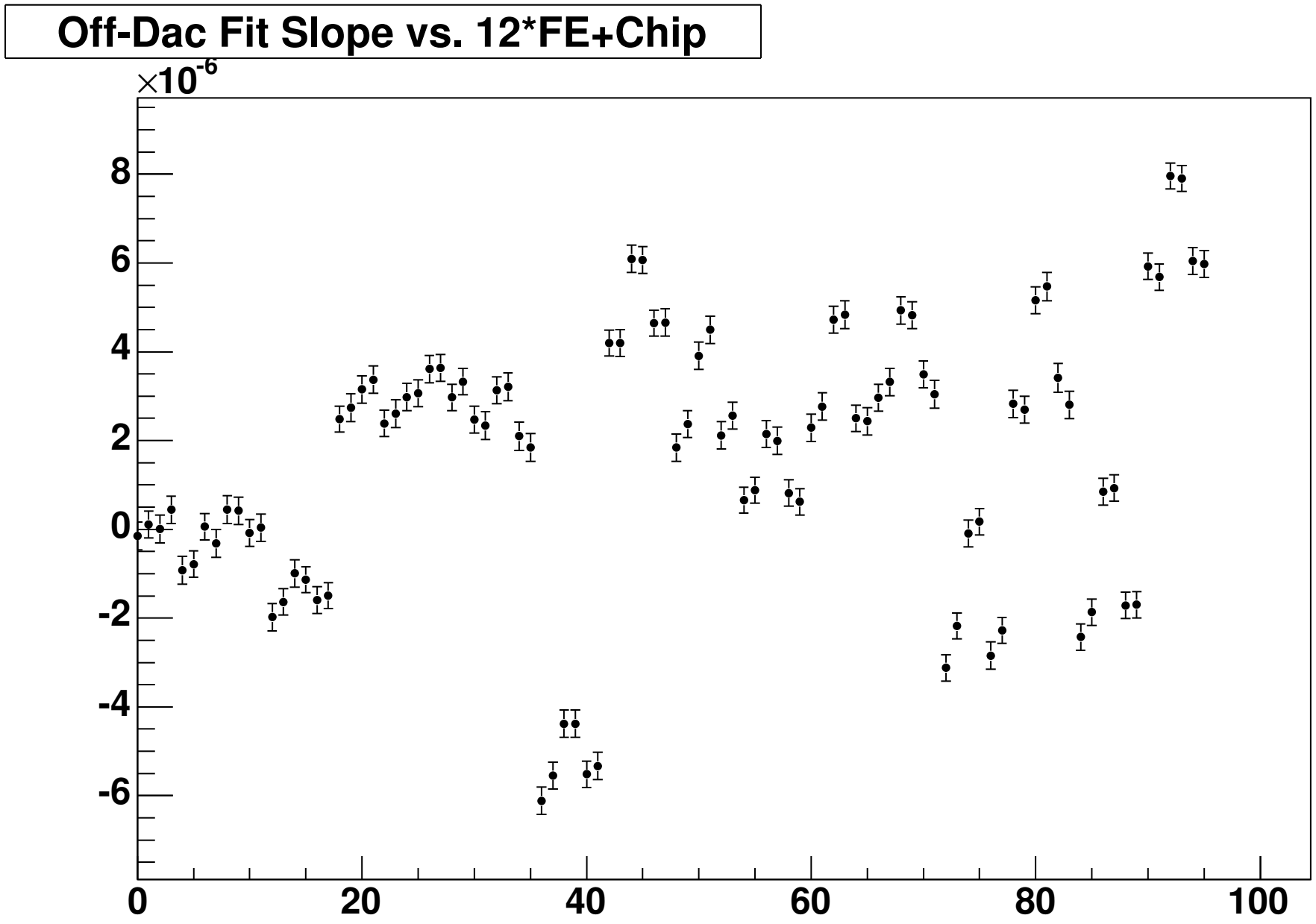

Disabled Dacs, Rms vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

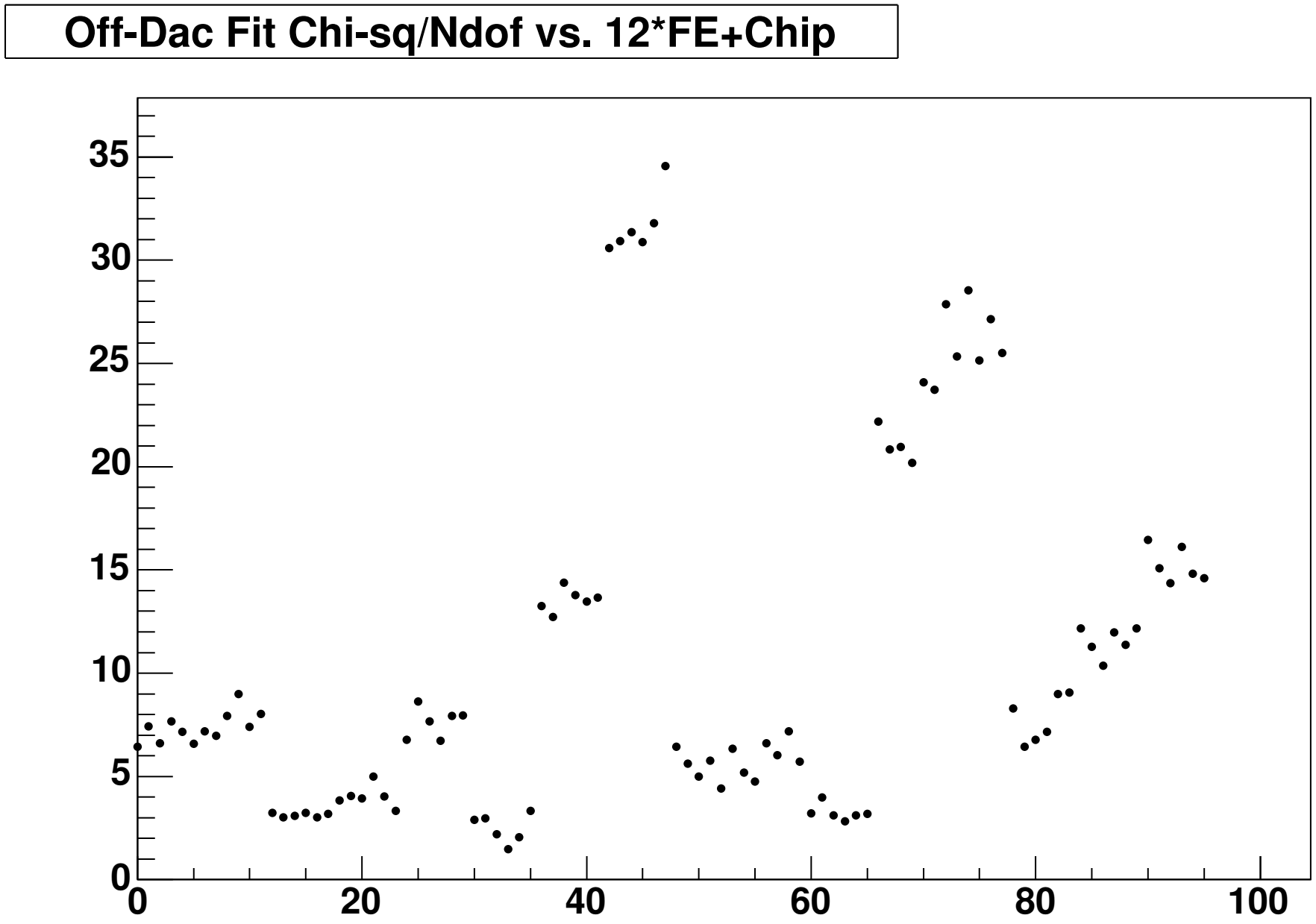

On-Dac Fit Interpolation vs. 12*FE+Chip
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

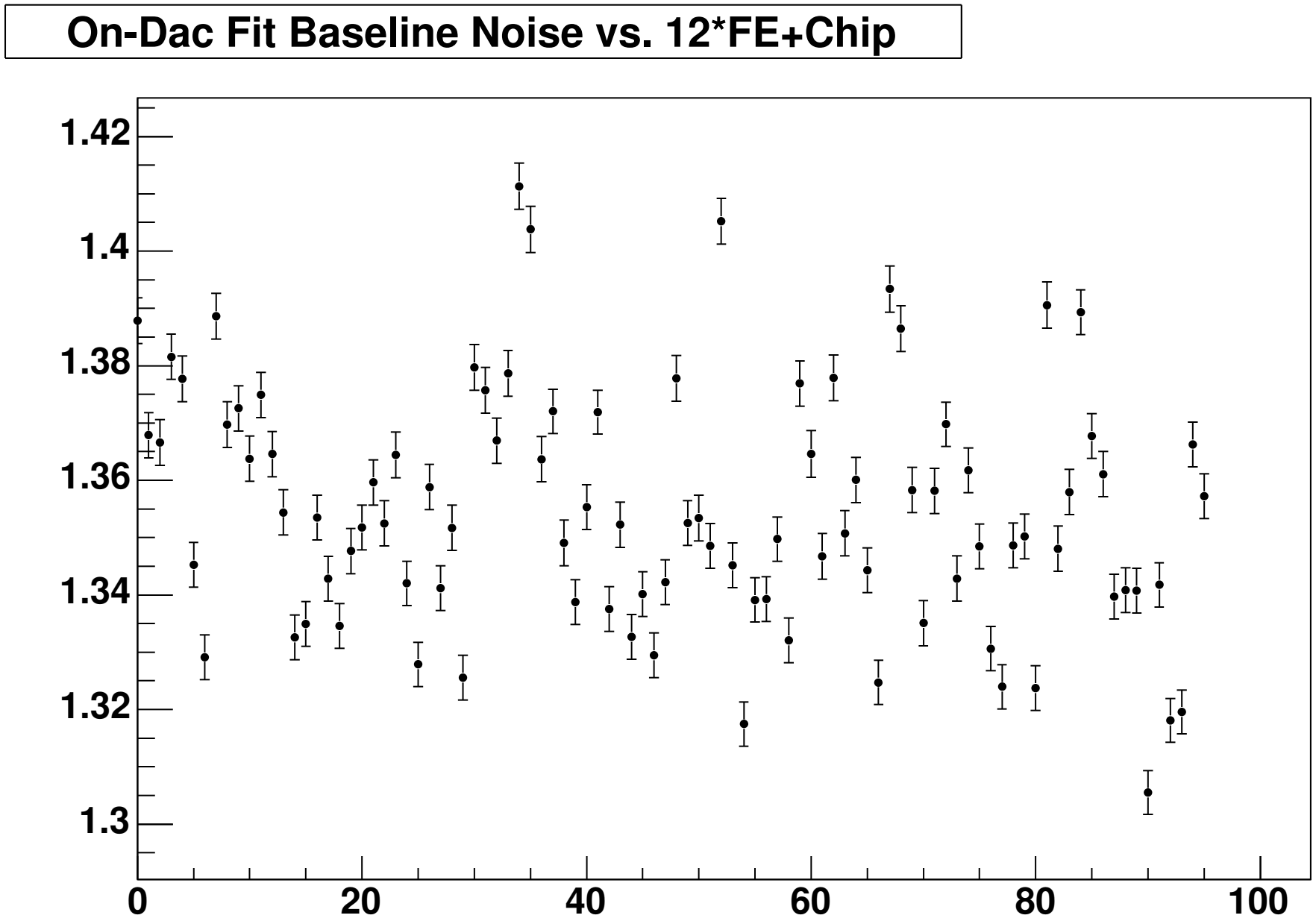

On-Dac Fit Slope vs. 12*FE+Chip
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0
20
40
60
80
100

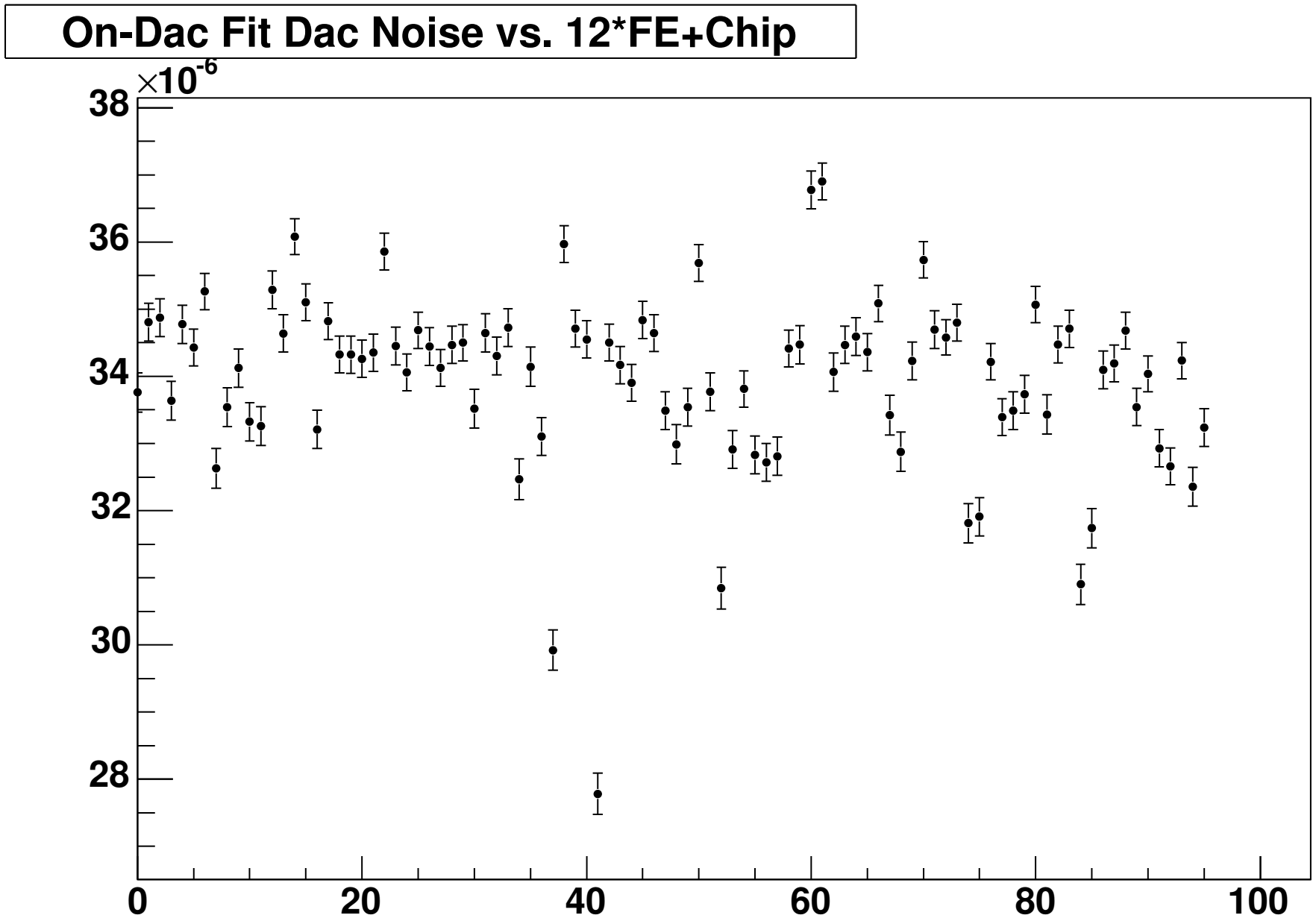

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

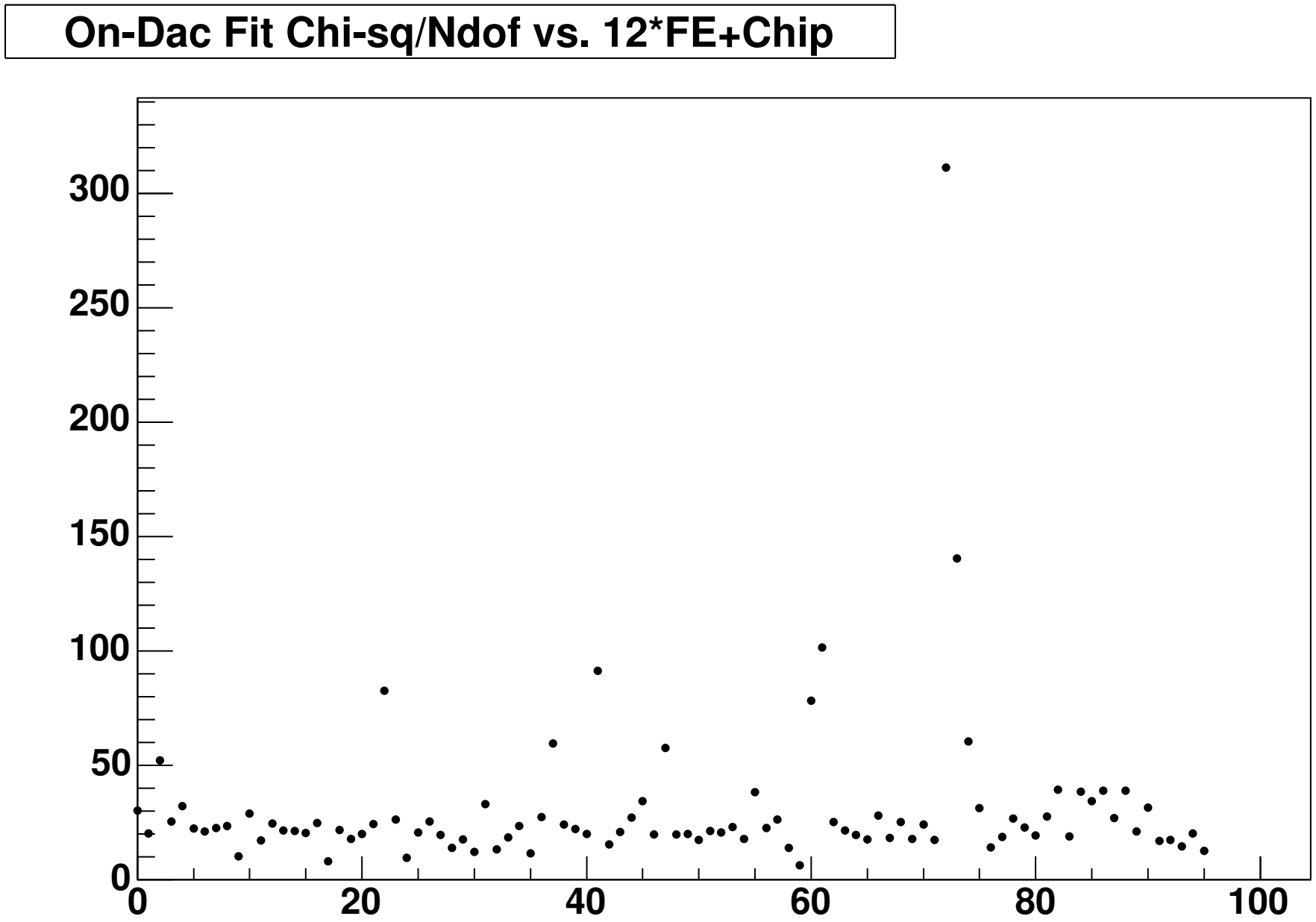

Off-Dac Fit Interpolation vs. 12*FE+Chip
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

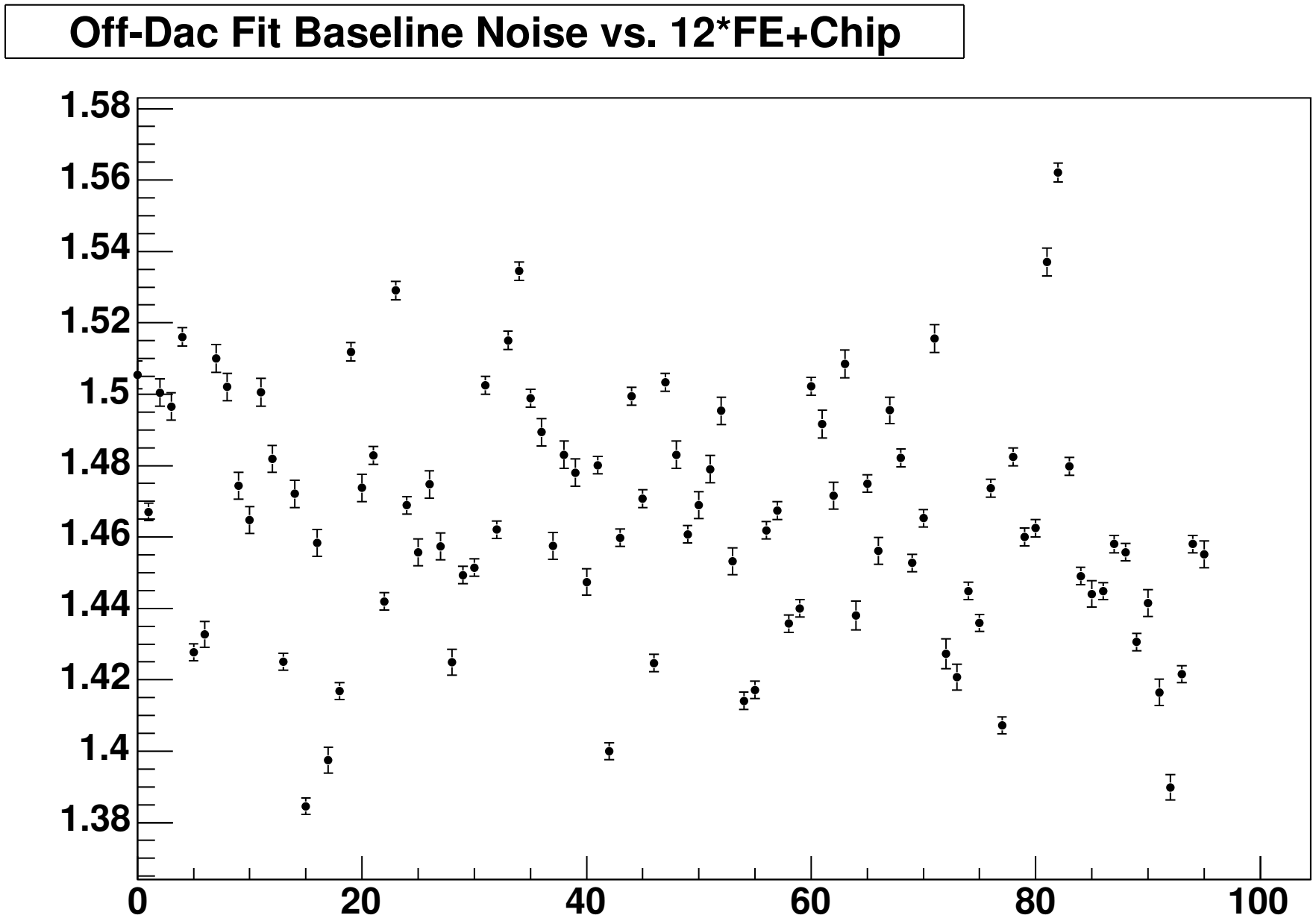

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
8
6
4
2
0
-2
-4
-6
0
20
40
60
80
100

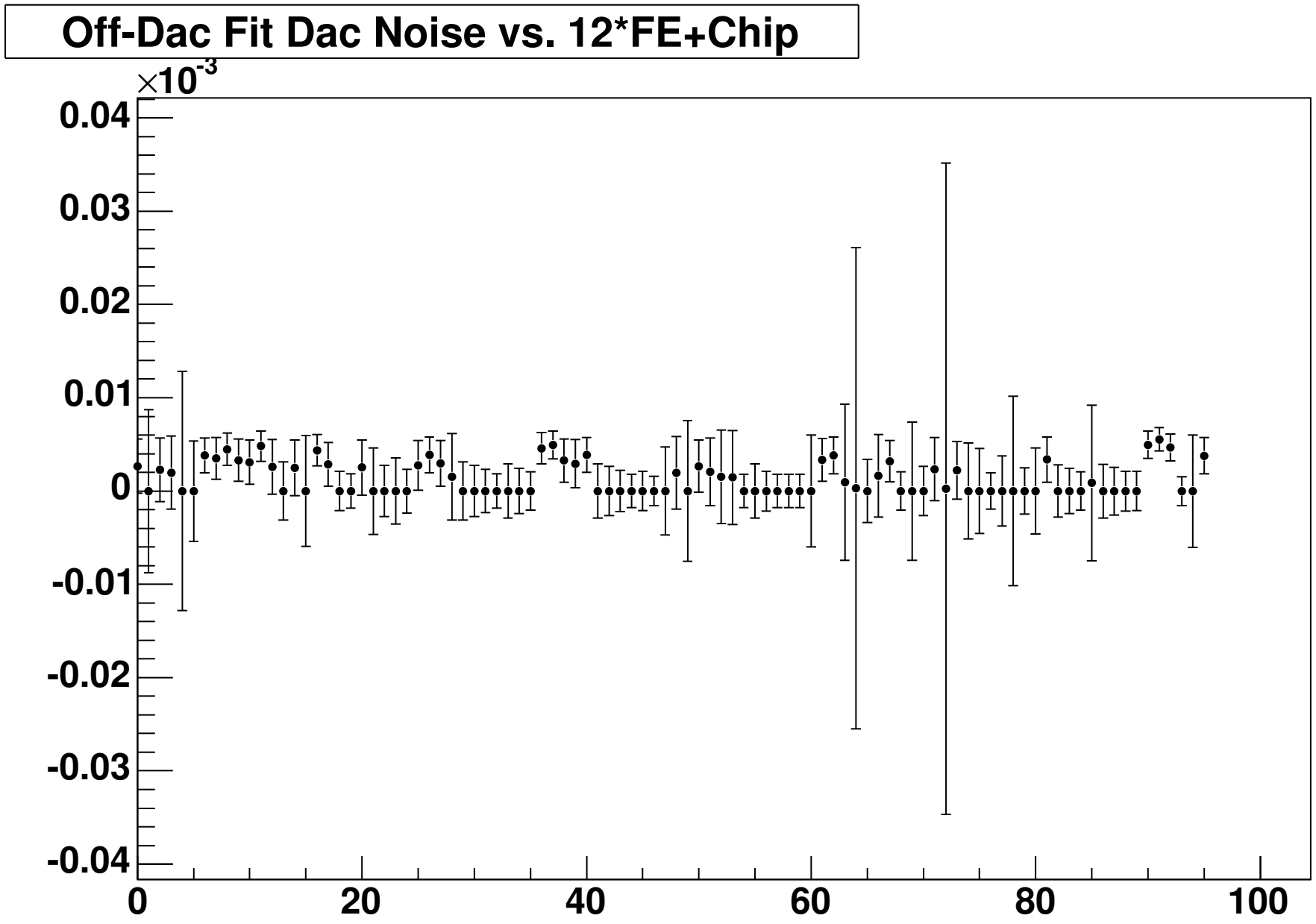

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
35
30
25
20
15
10
5
0
0
20
40
60
80
100

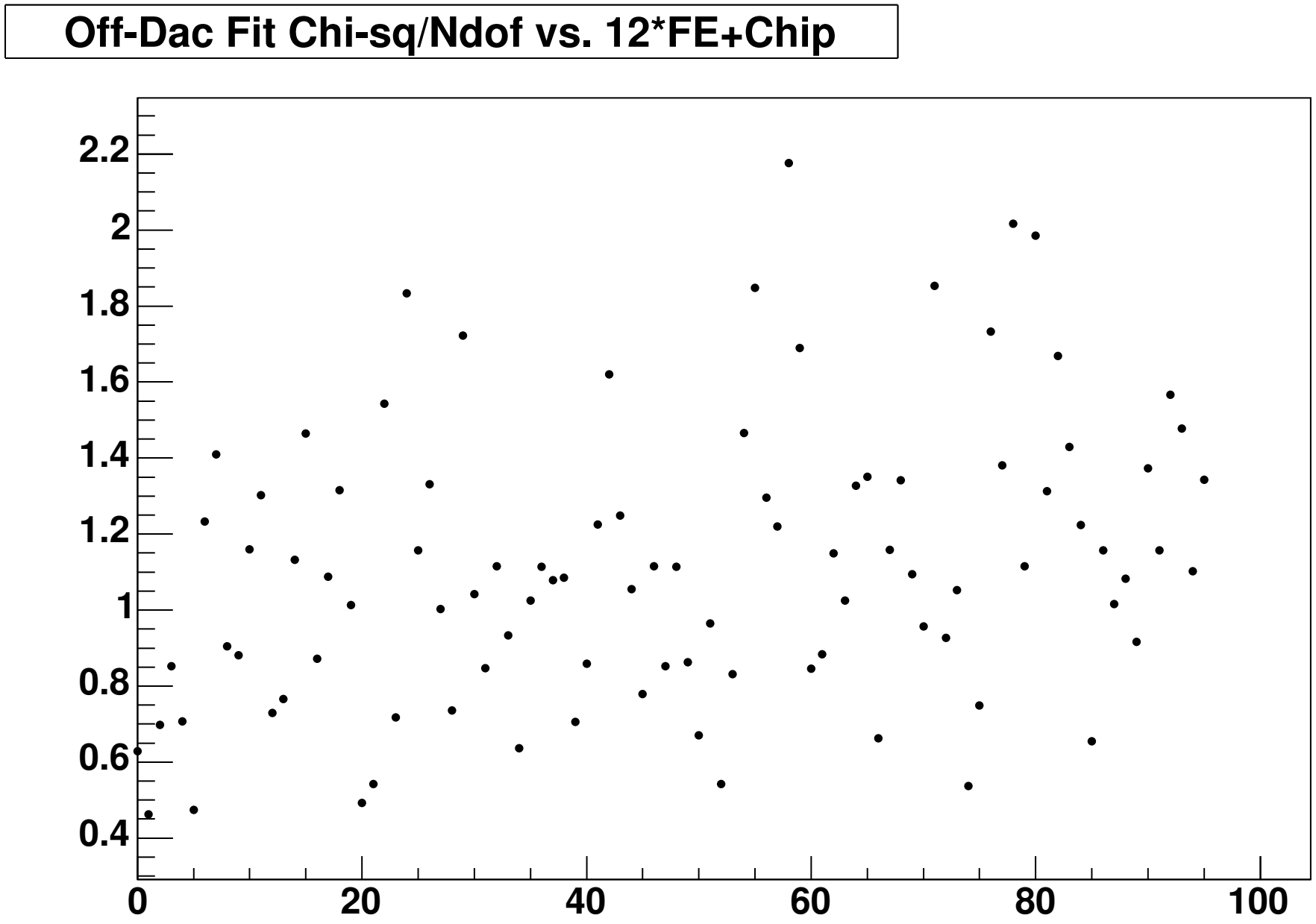

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
1.32
1.3
0
20
40
60
80
100

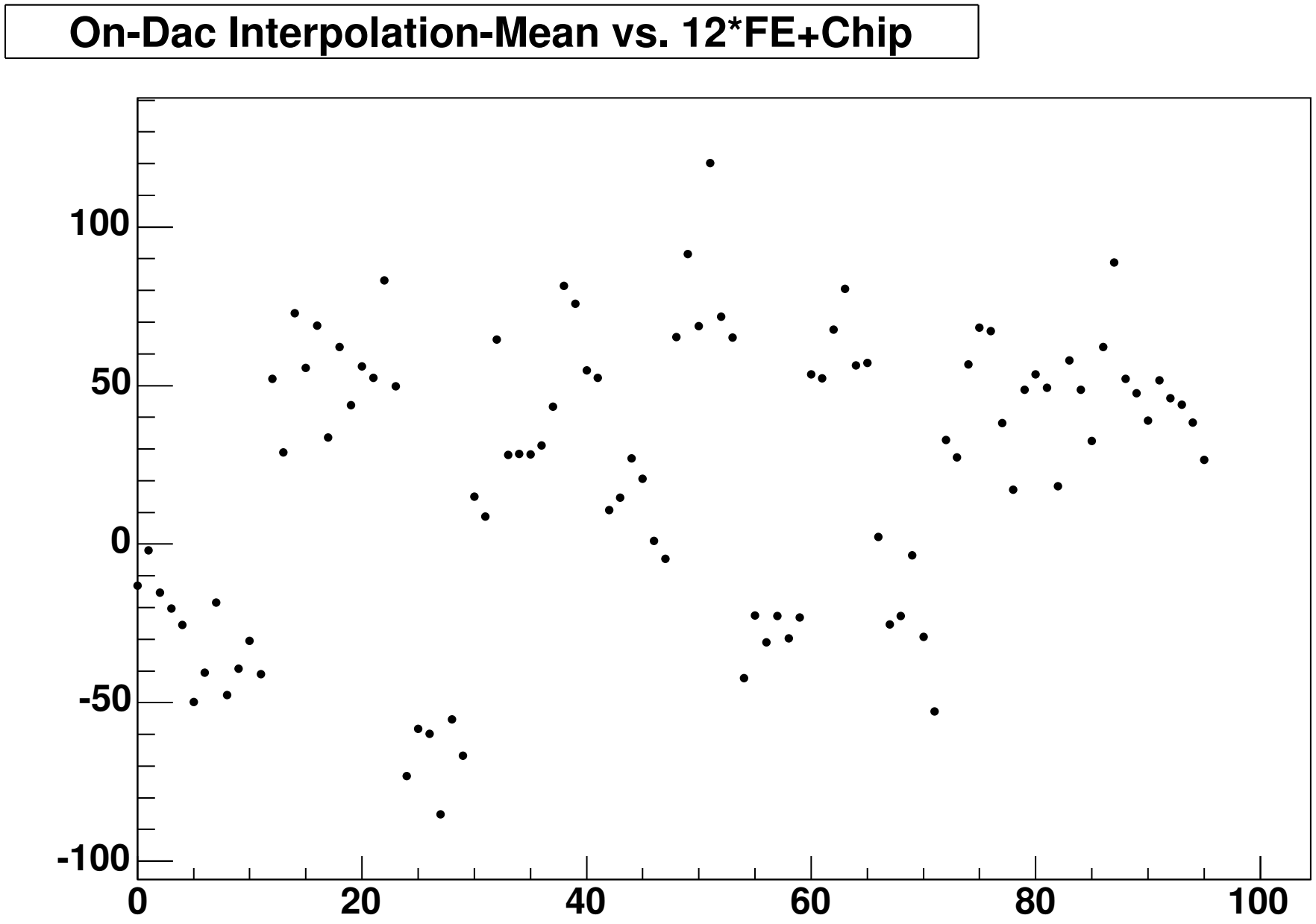

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
38
36
34
32
30
28
0
20
40
60
80
100

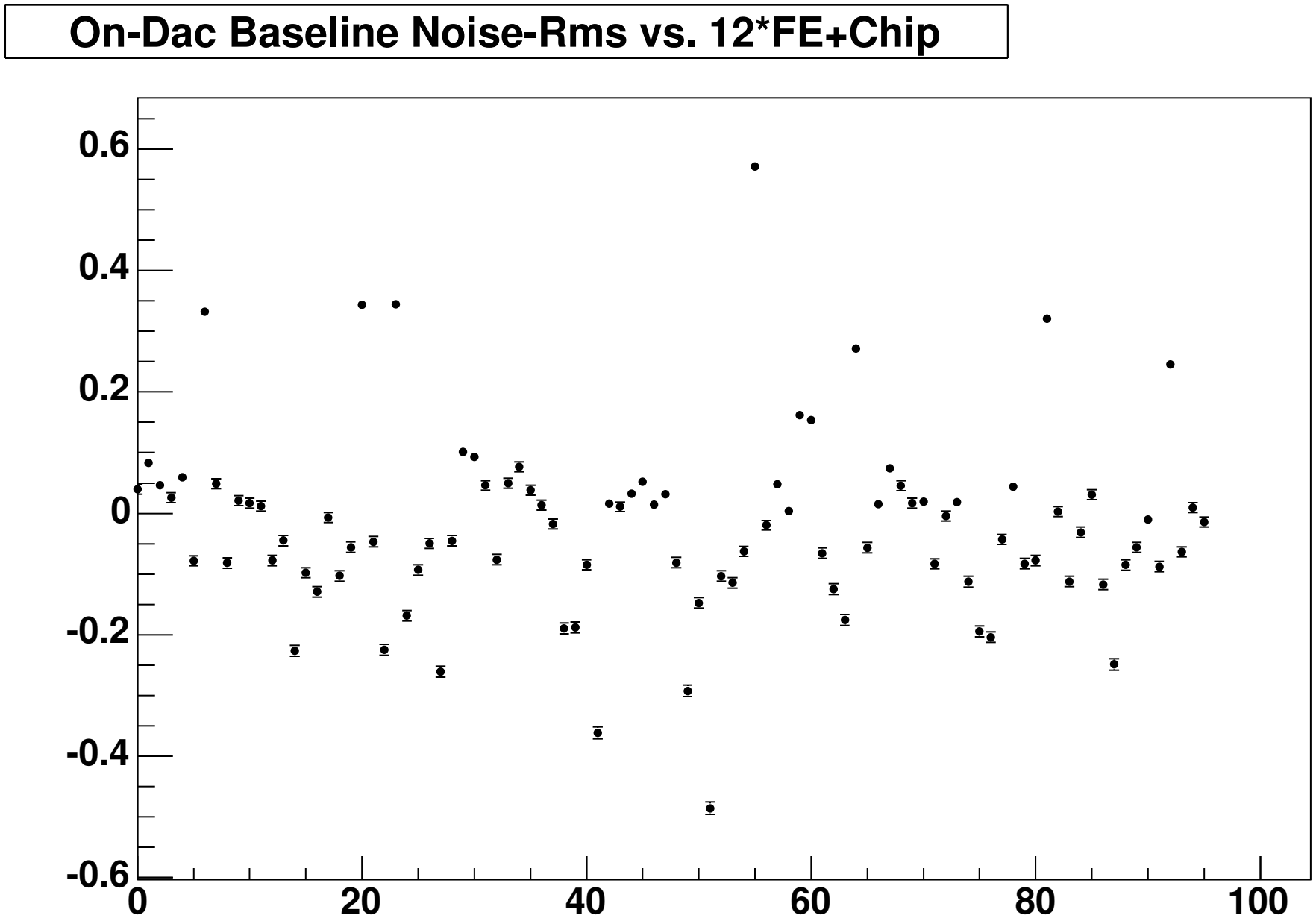

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
300
250
200
150
100
50
0
0
20
40
60
80
100

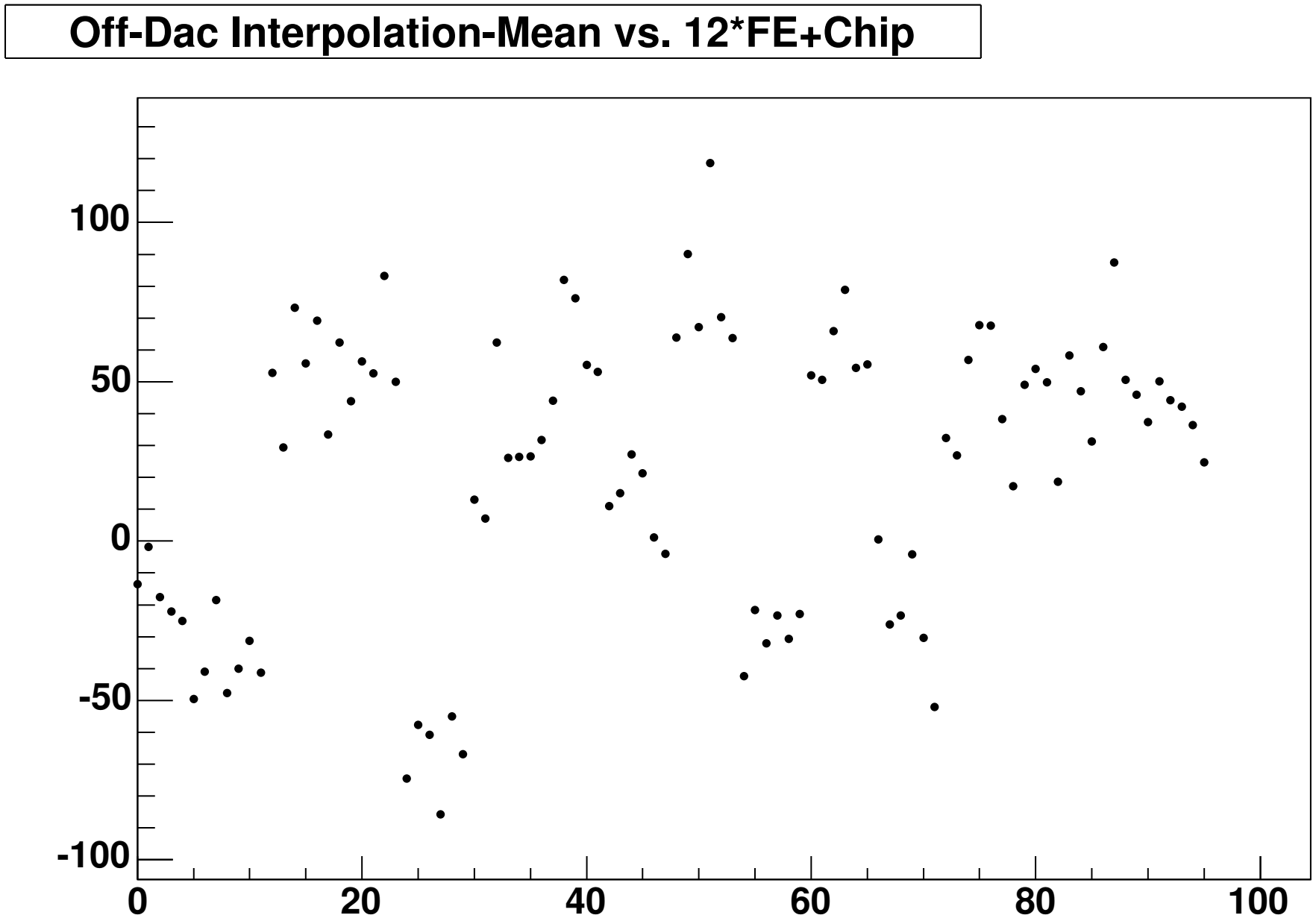

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
20
40
60
80
100

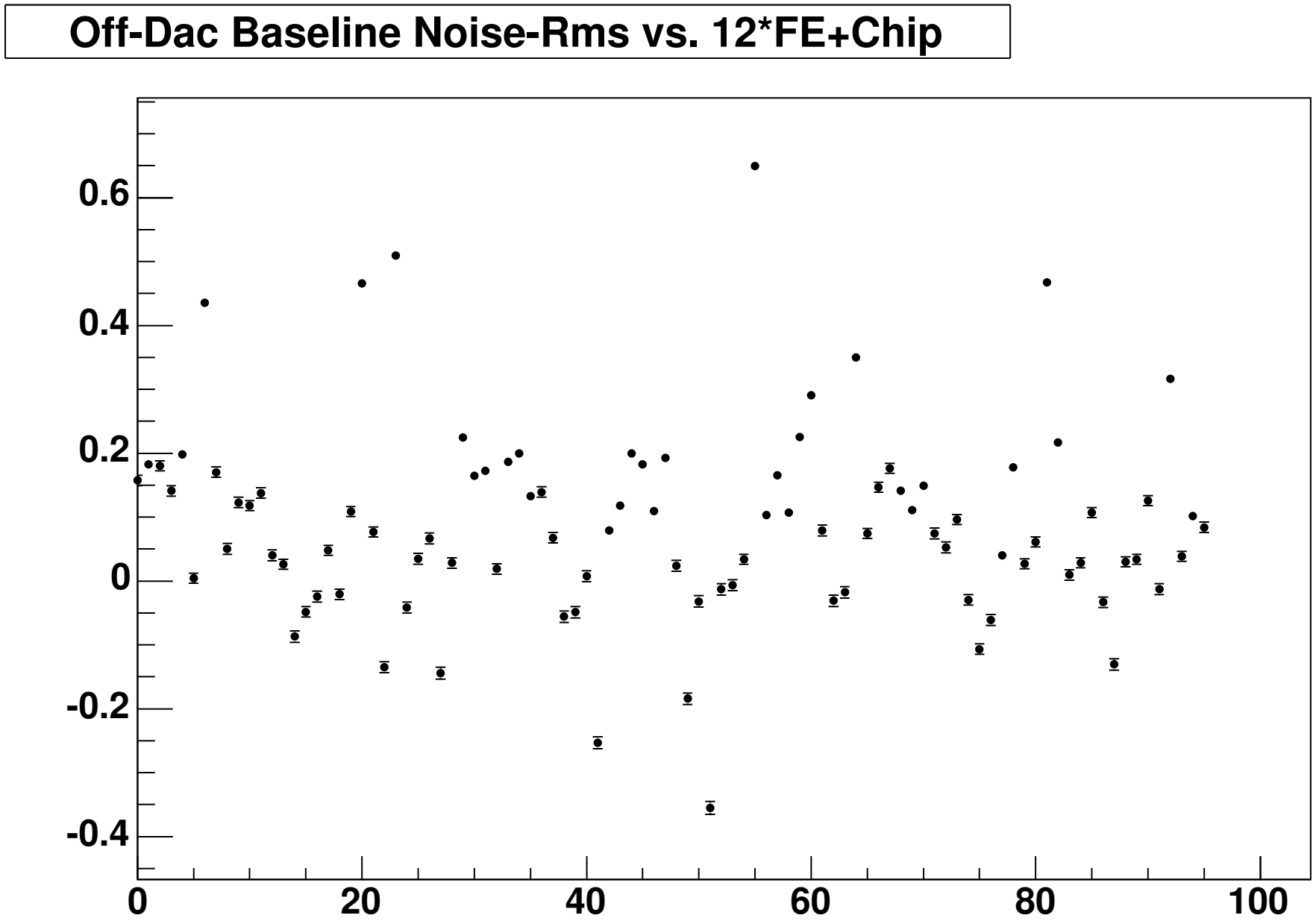

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
0
20
40
60
80
100


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


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


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


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


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