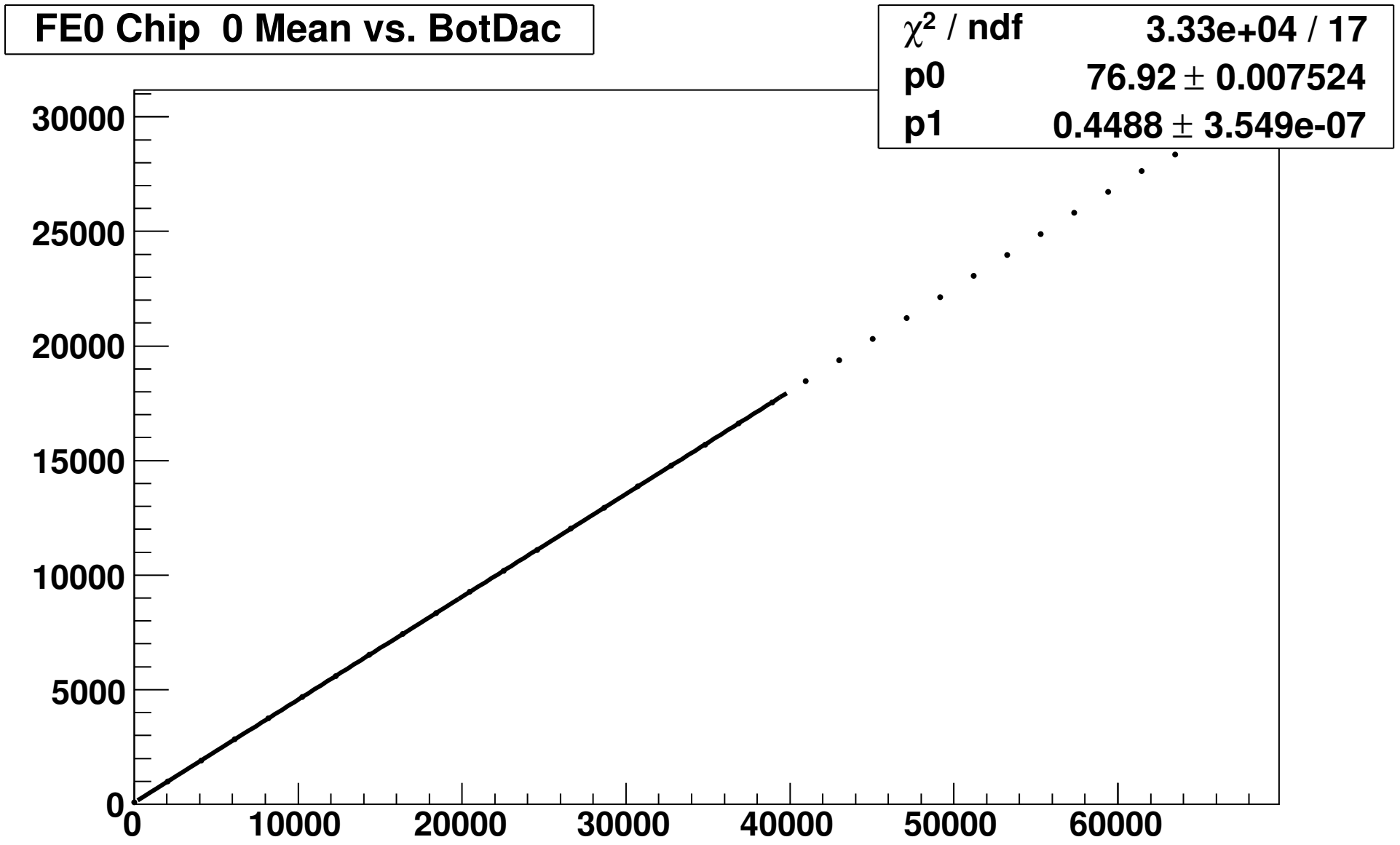
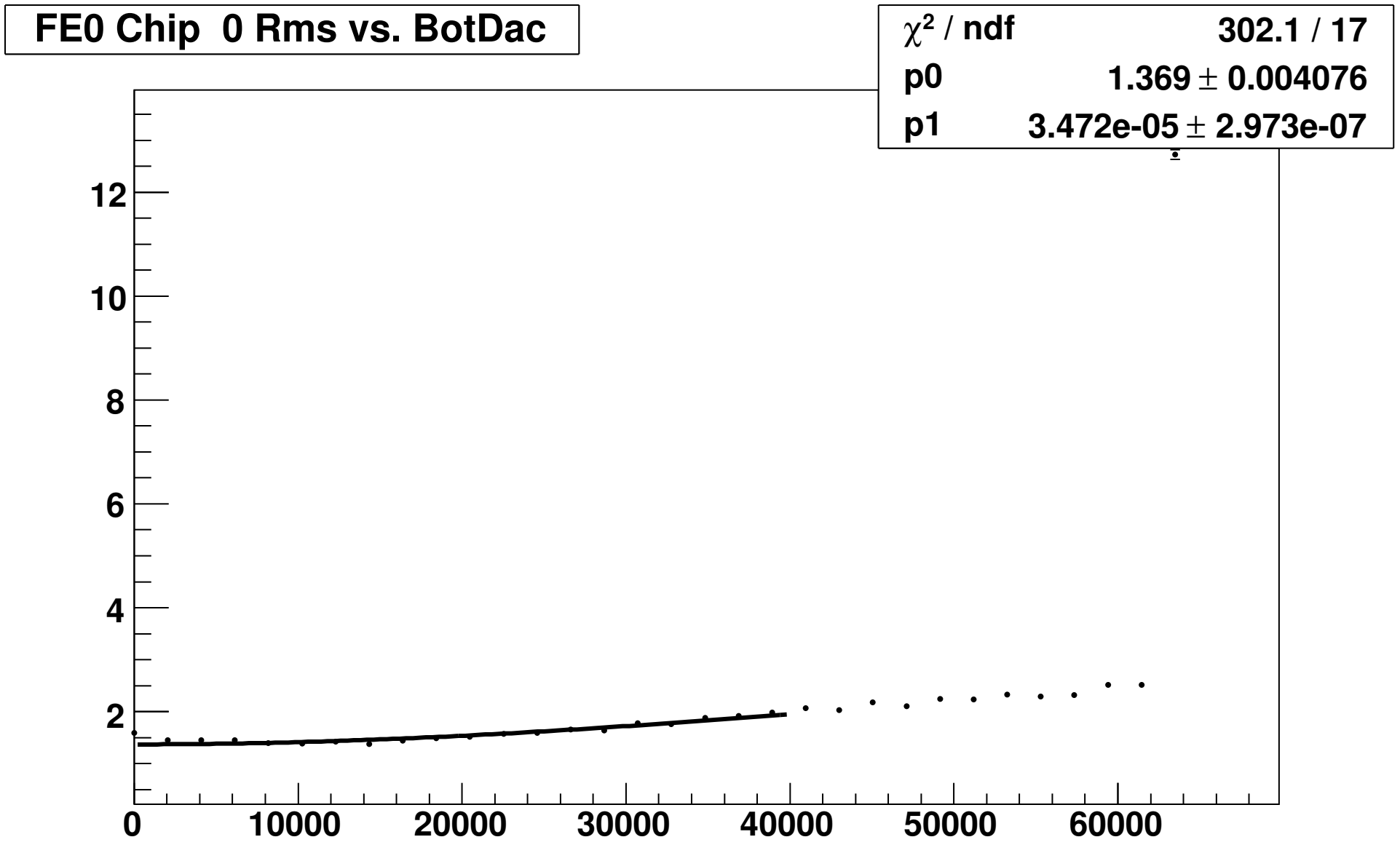
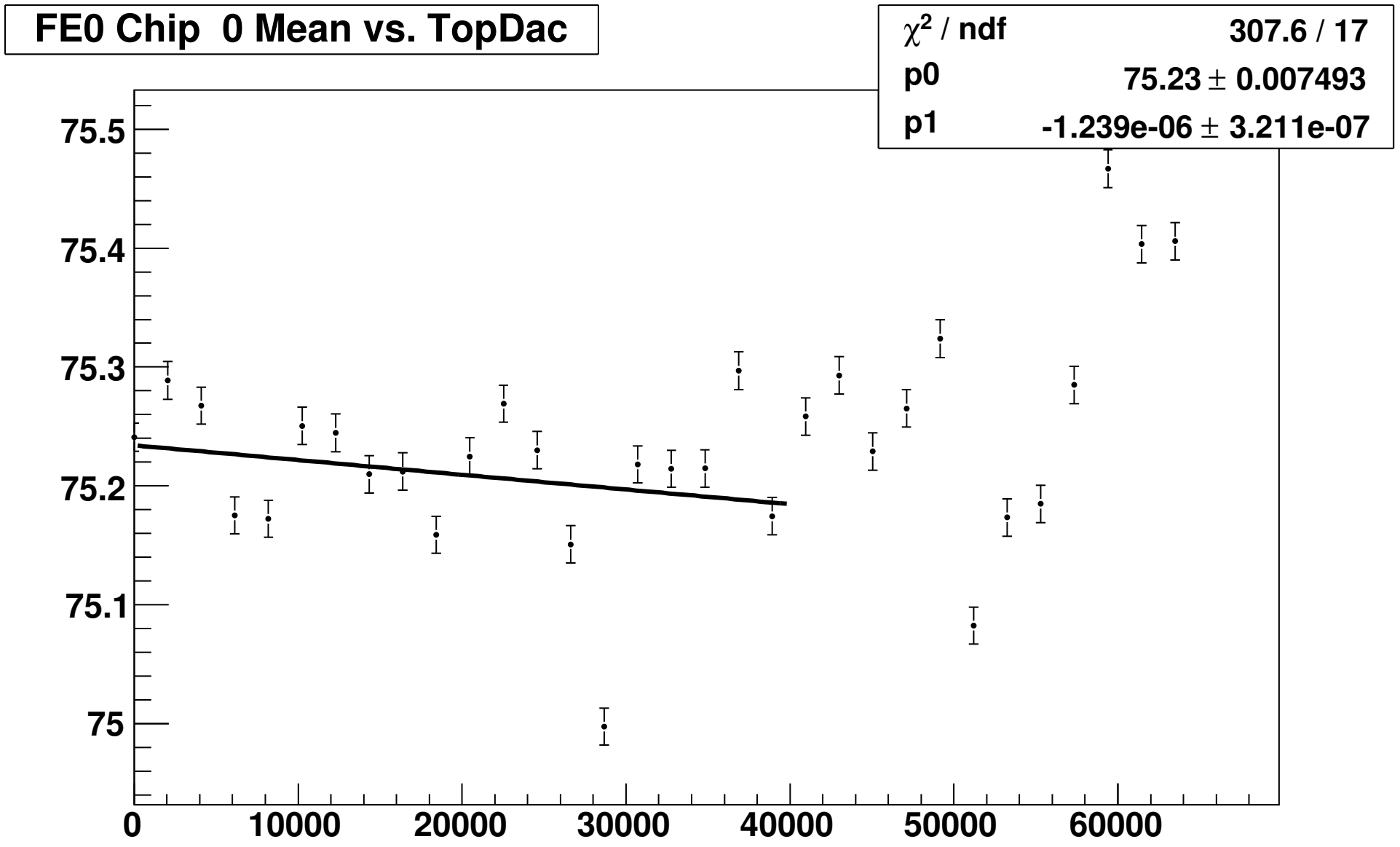
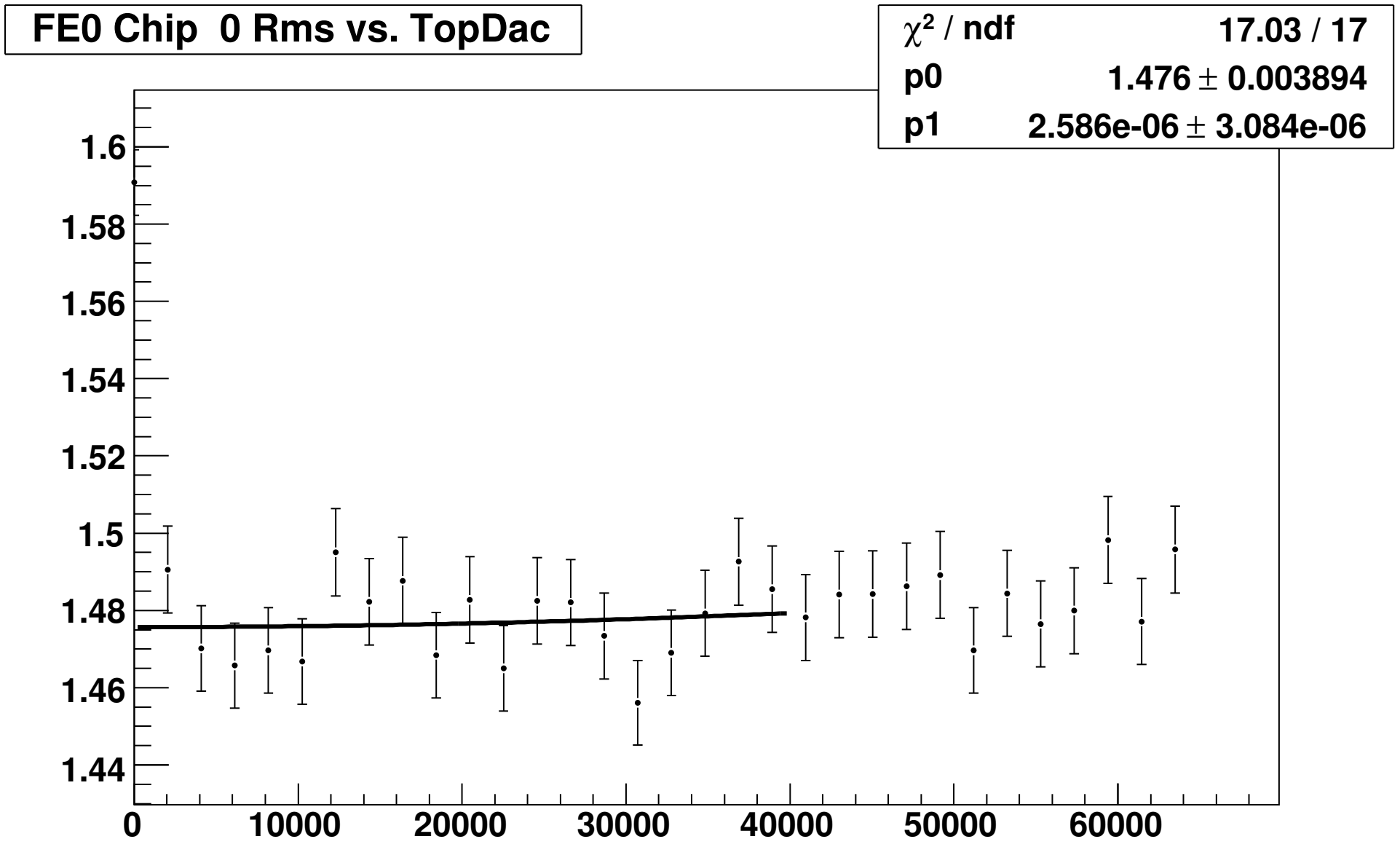

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 3.33e+04 / 17
p0 76.92 ± 0.007524
p1 0.4488 ± 3.549e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 302.1 / 17
p0 1.369 ± 0.004076
p1 3.472e-05 ± 2.973e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 307.6 / 17
p0 75.23 ± 0.007493
p1 -1.239e-06 ± 3.211e-07
75.5
75.4
75.3
75.2
75.1
75
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 17.03 / 17
p0 1.476 ± 0.003894
p1 2.586e-06 ± 3.084e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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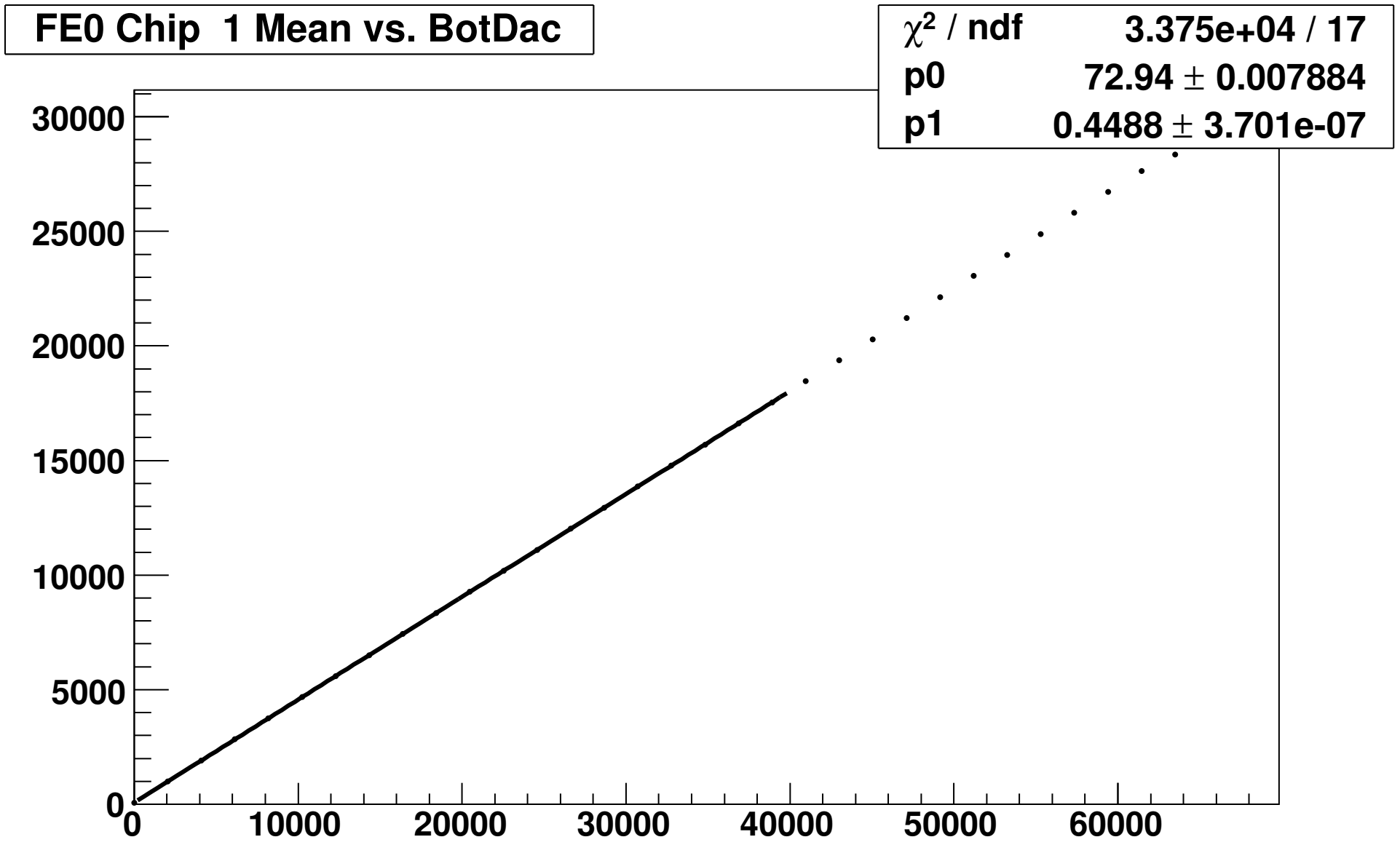
40000
50000
60000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 3.375e+04 / 17
p0 72.94 ± 0.007884
p1 0.4488 ± 3.701e-07
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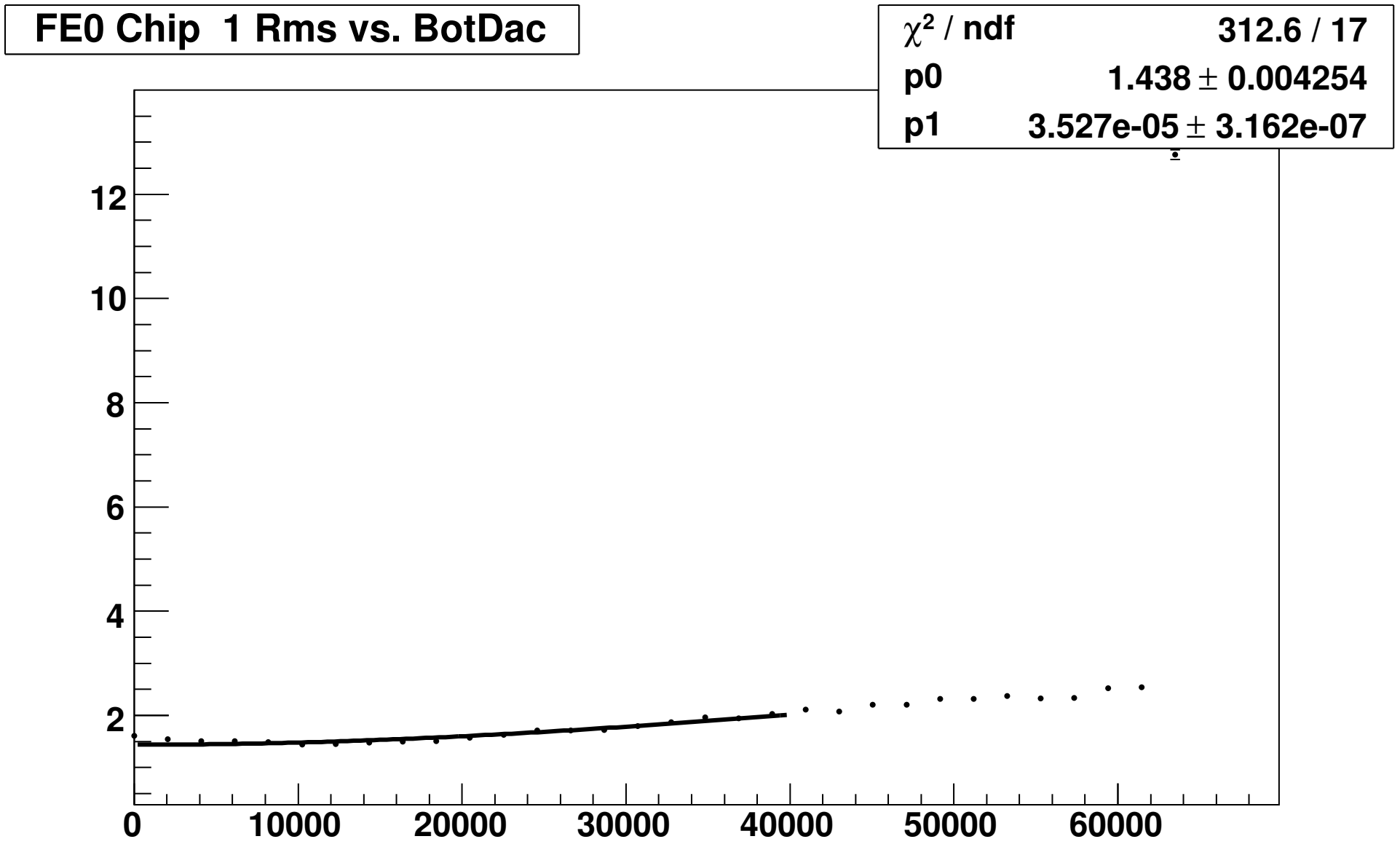
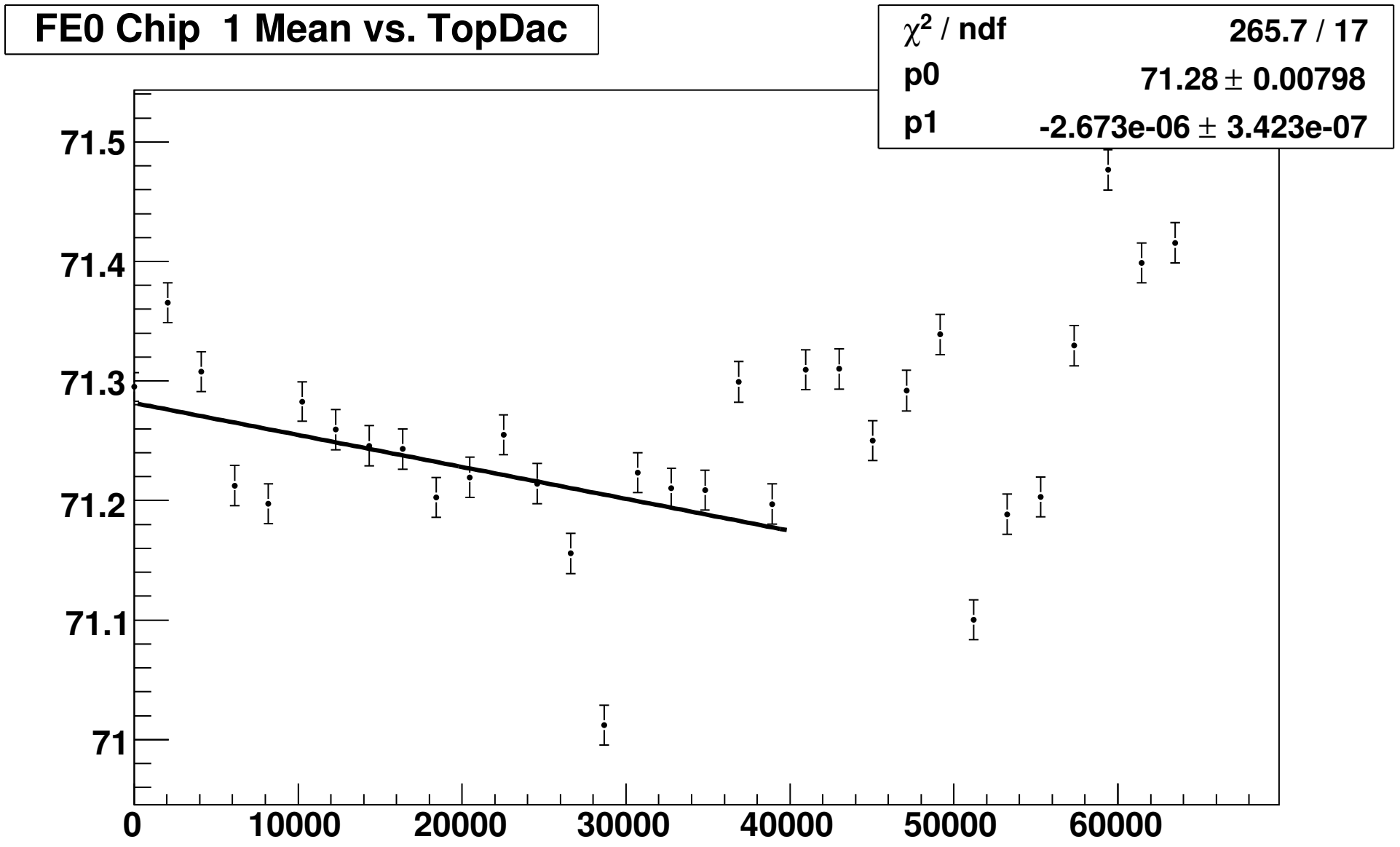
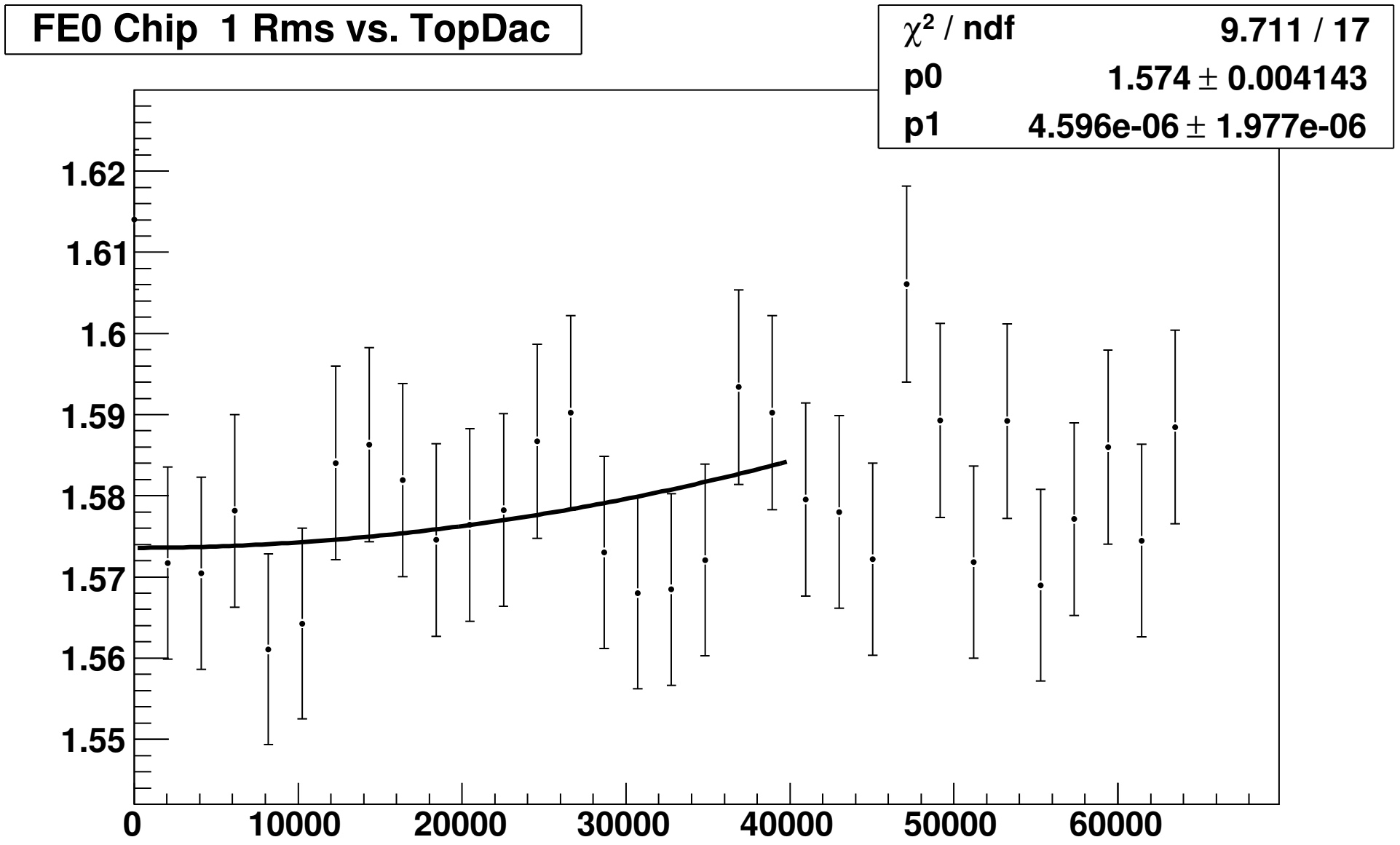
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 312.6 / 17
p0 1.438 ± 0.004254
p1 3.527e-05 ± 3.162e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Mean vs. TopDac
χ² / ndf 265.7 / 17
p0 71.28 ± 0.00798
p1 -2.673e-06 ± 3.423e-07
71.5
71.4
71.3
71.2
71.1
71
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 9.711 / 17
p0 1.574 ± 0.004143
p1 4.596e-06 ± 1.977e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
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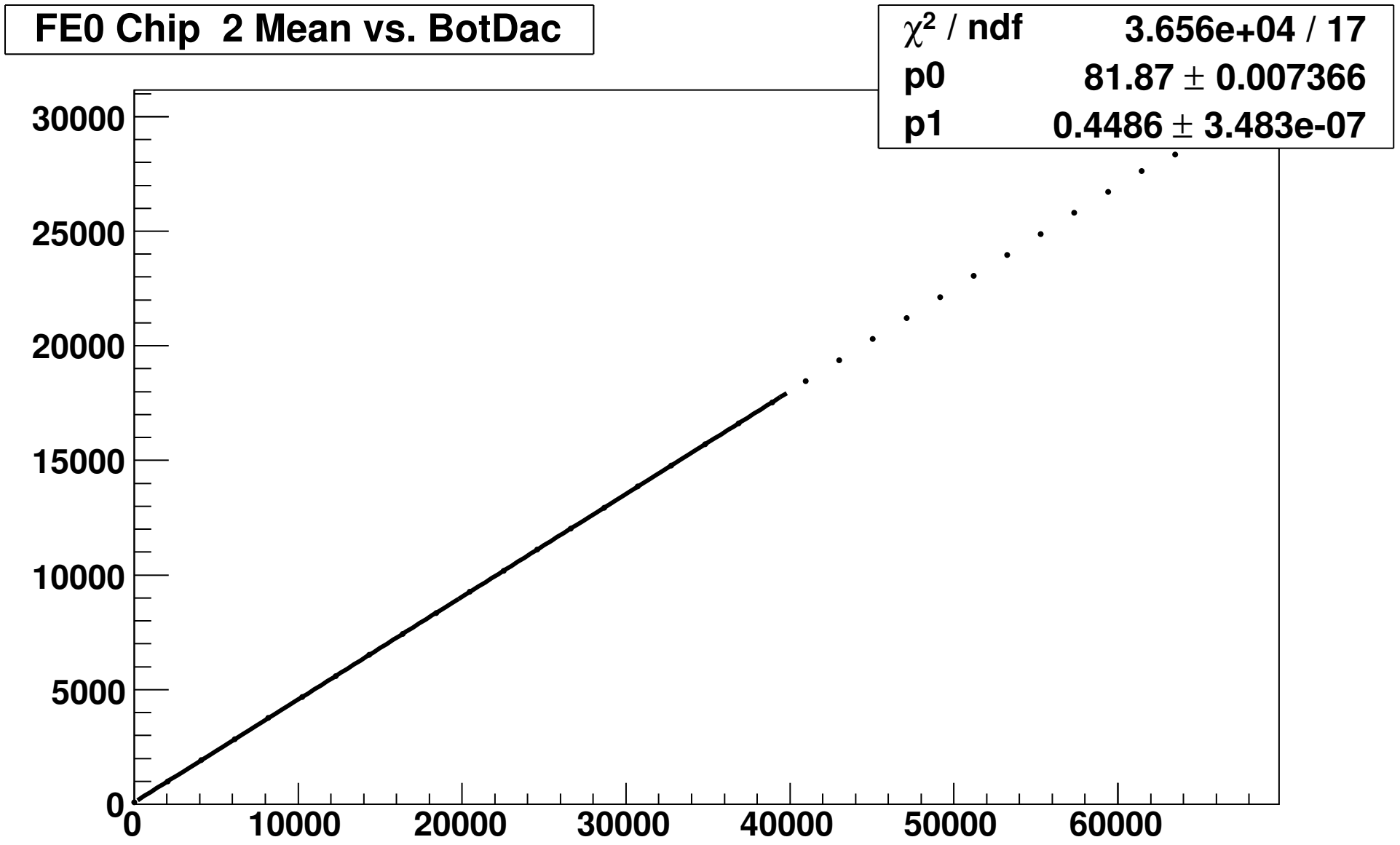
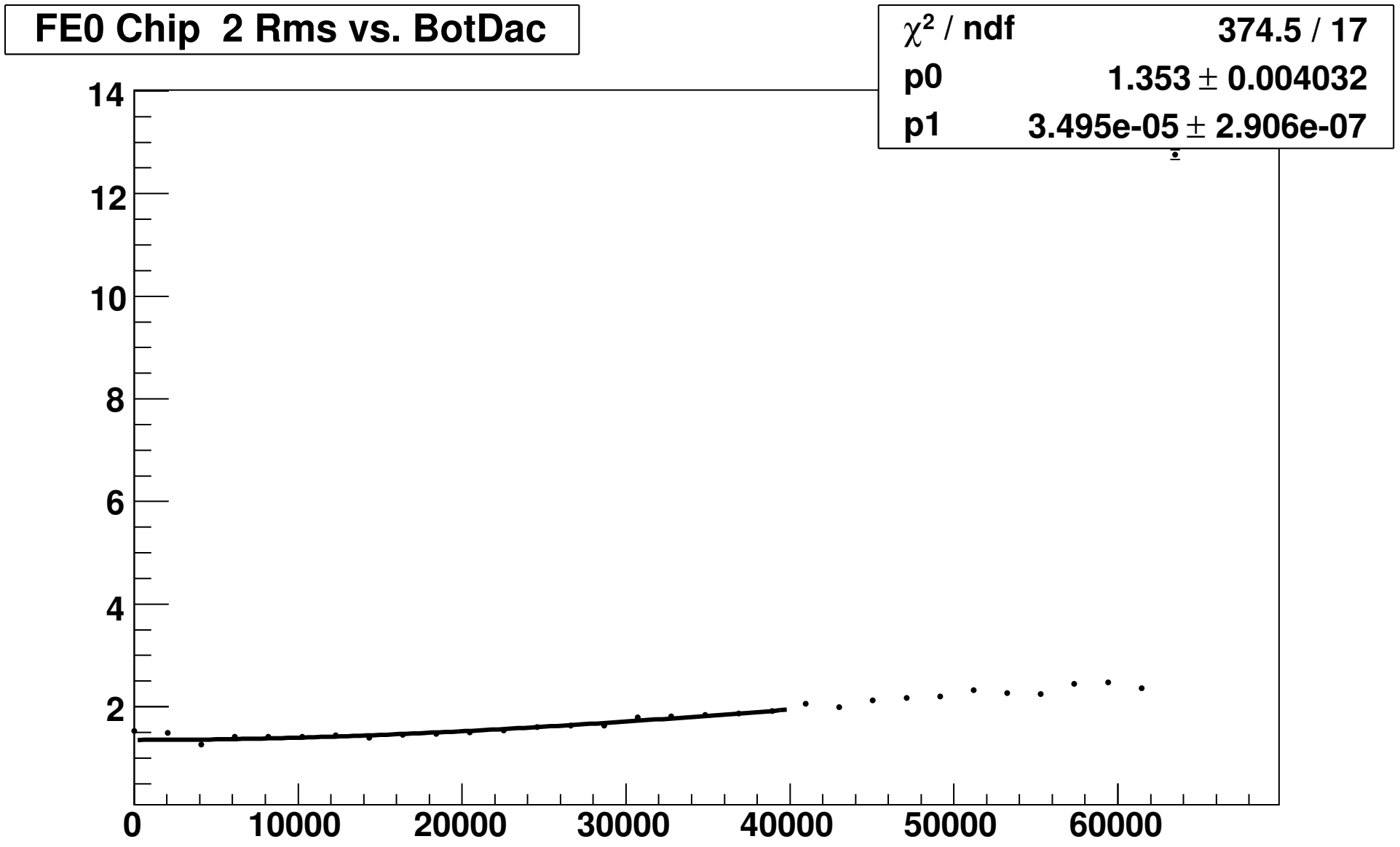
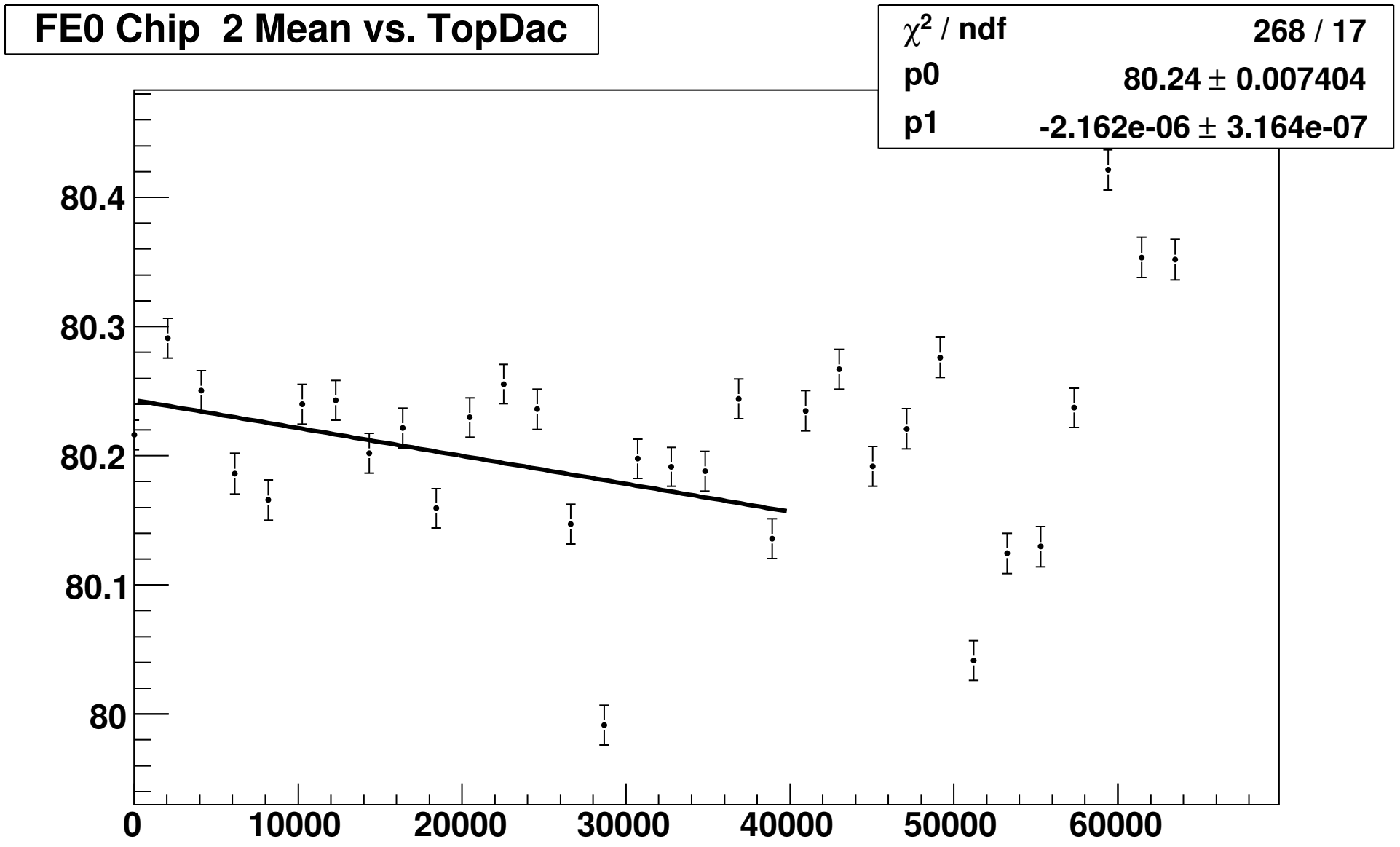
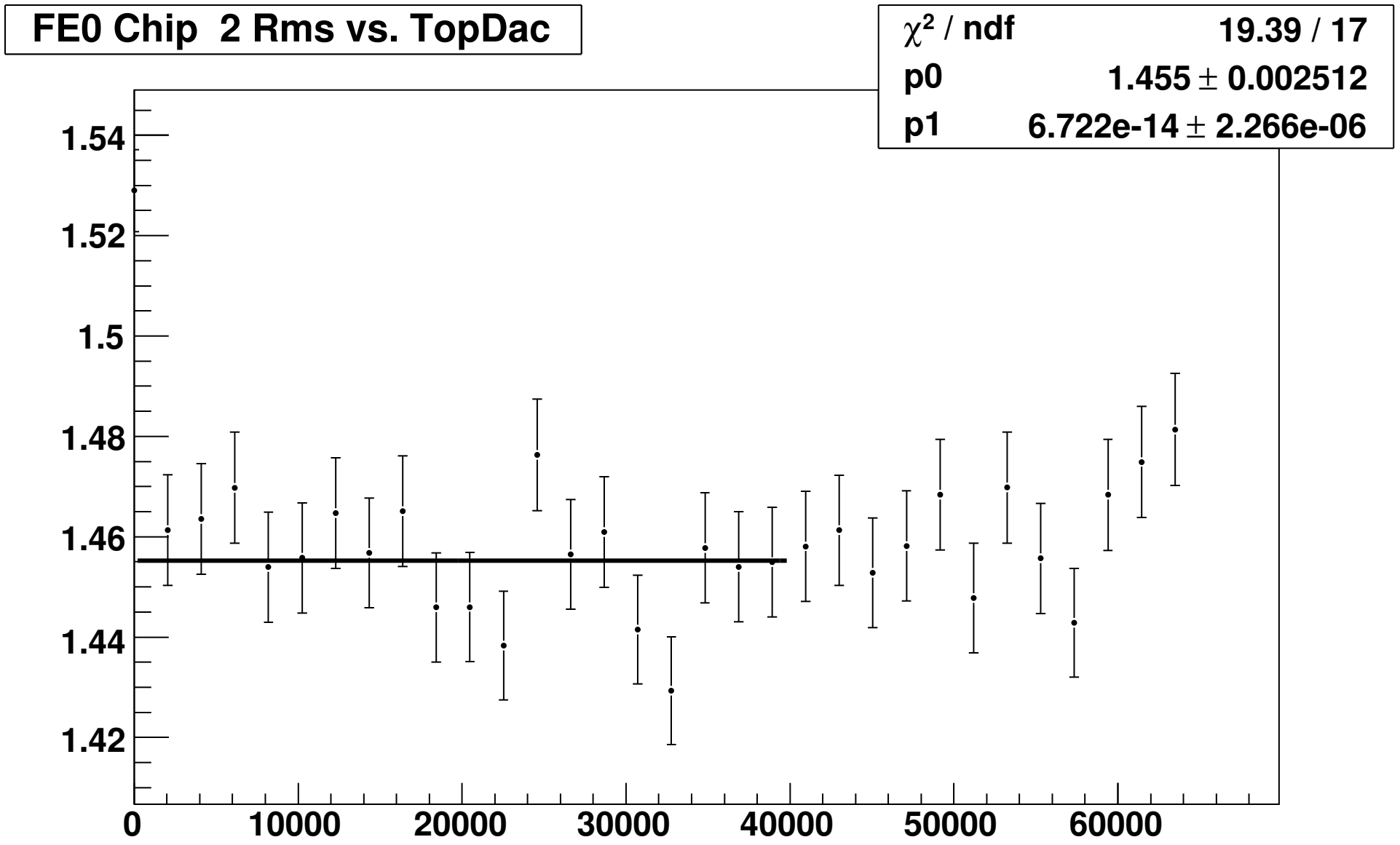
30000
40000
50000
60000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 3.656e+04 / 17
p0 81.87 ± 0.007366
p1 0.4486 ± 3.483e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 374.5 / 17
p0 1.353 ± 0.004032
p1 3.495e-05 ± 2.906e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 268 / 17
p0 80.24 ± 0.007404
p1 -2.162e-06 ± 3.164e-07
80.4
80.3
80.2
80.1
80
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 19.39 / 17
p0 1.455 ± 0.002512
p1 6.722e-14 ± 2.266e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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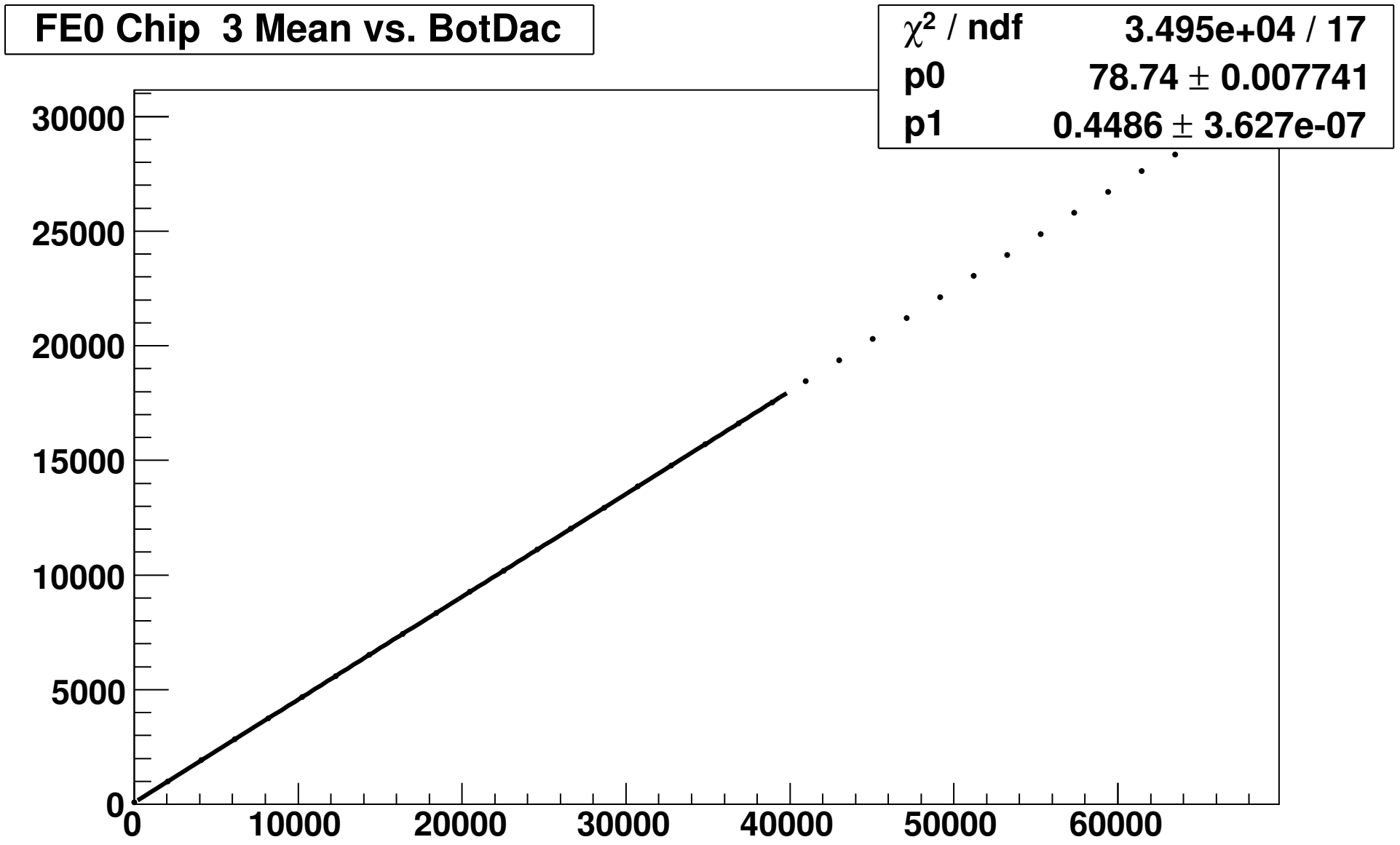
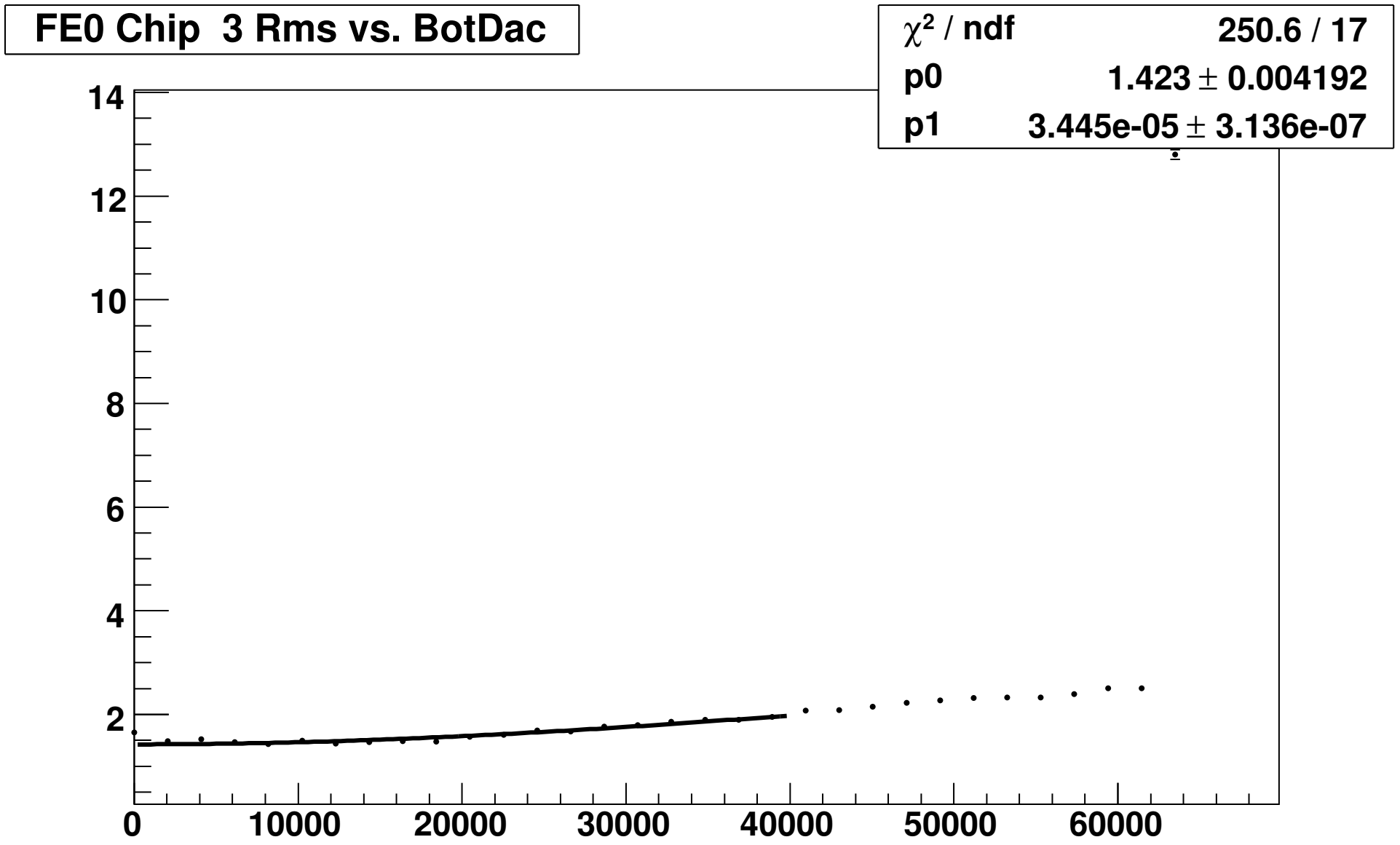
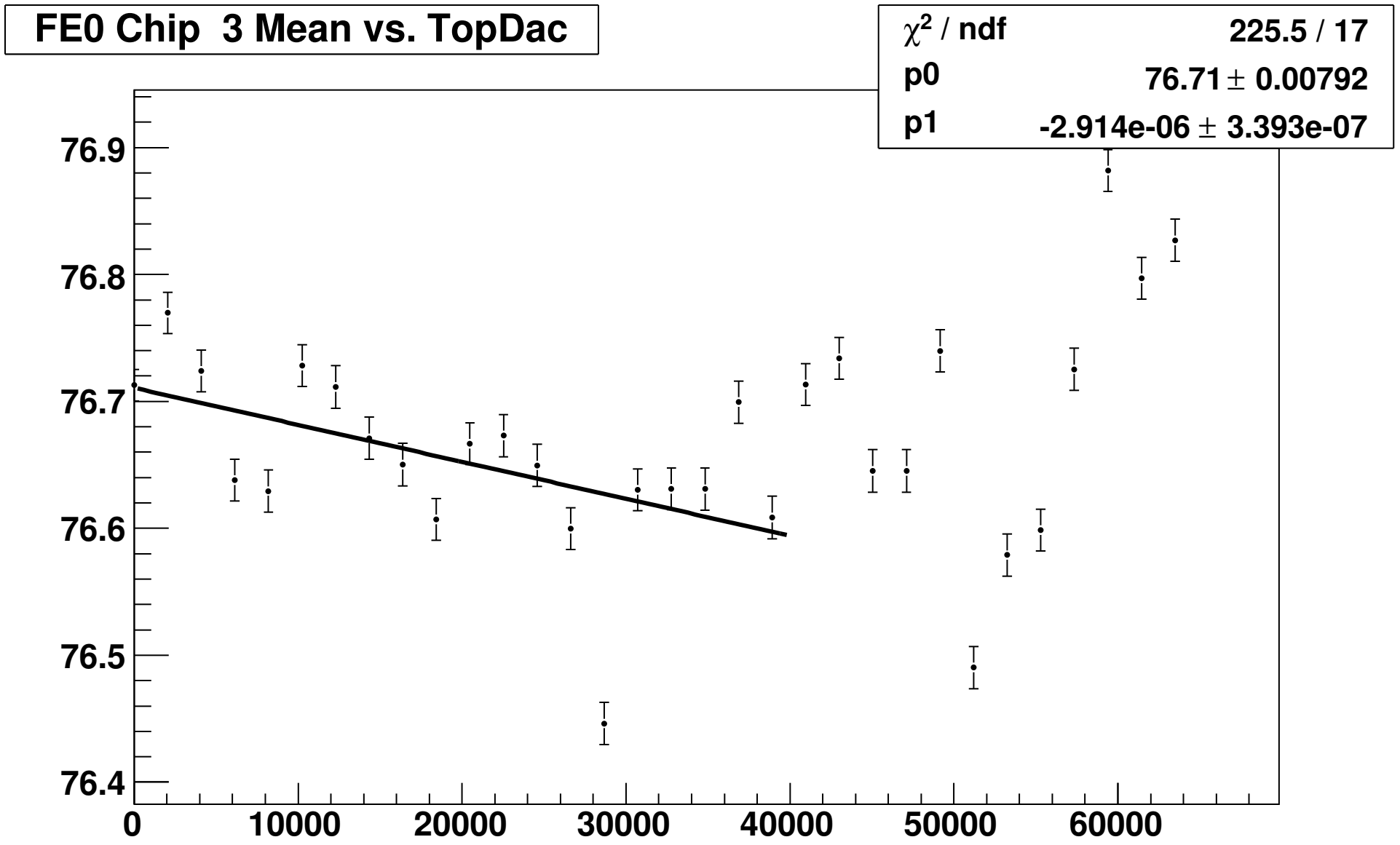
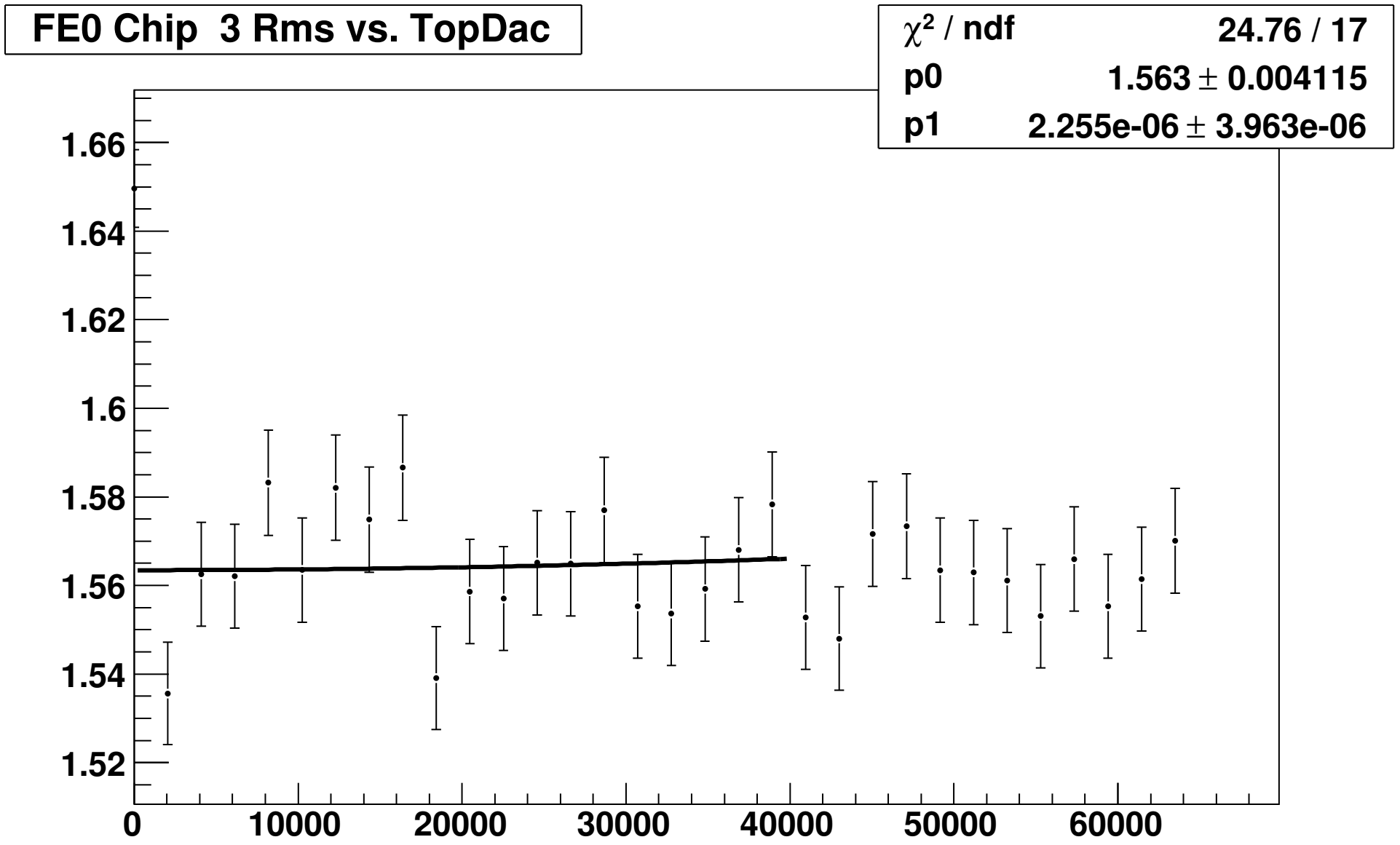
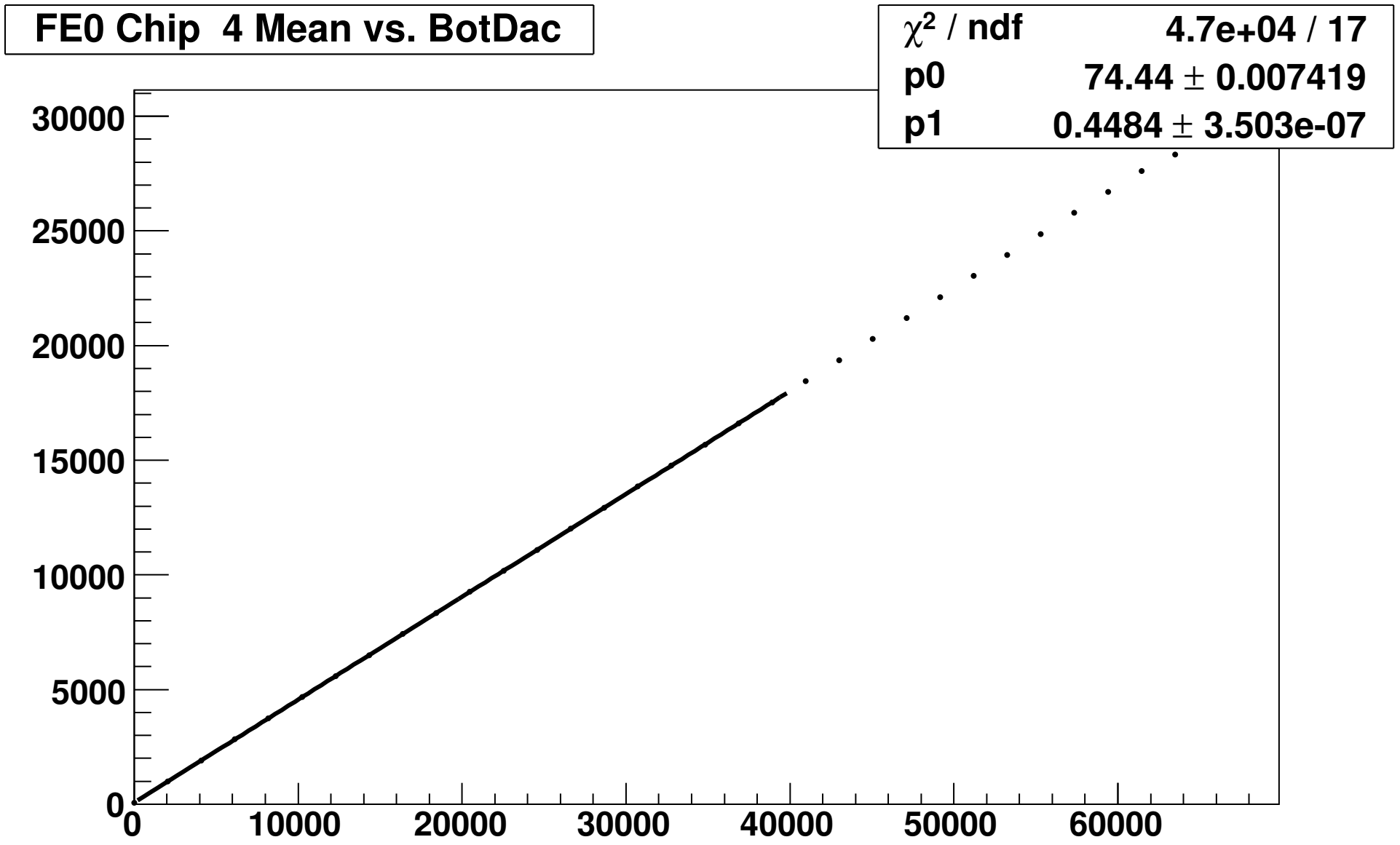
30000
40000
50000
60000

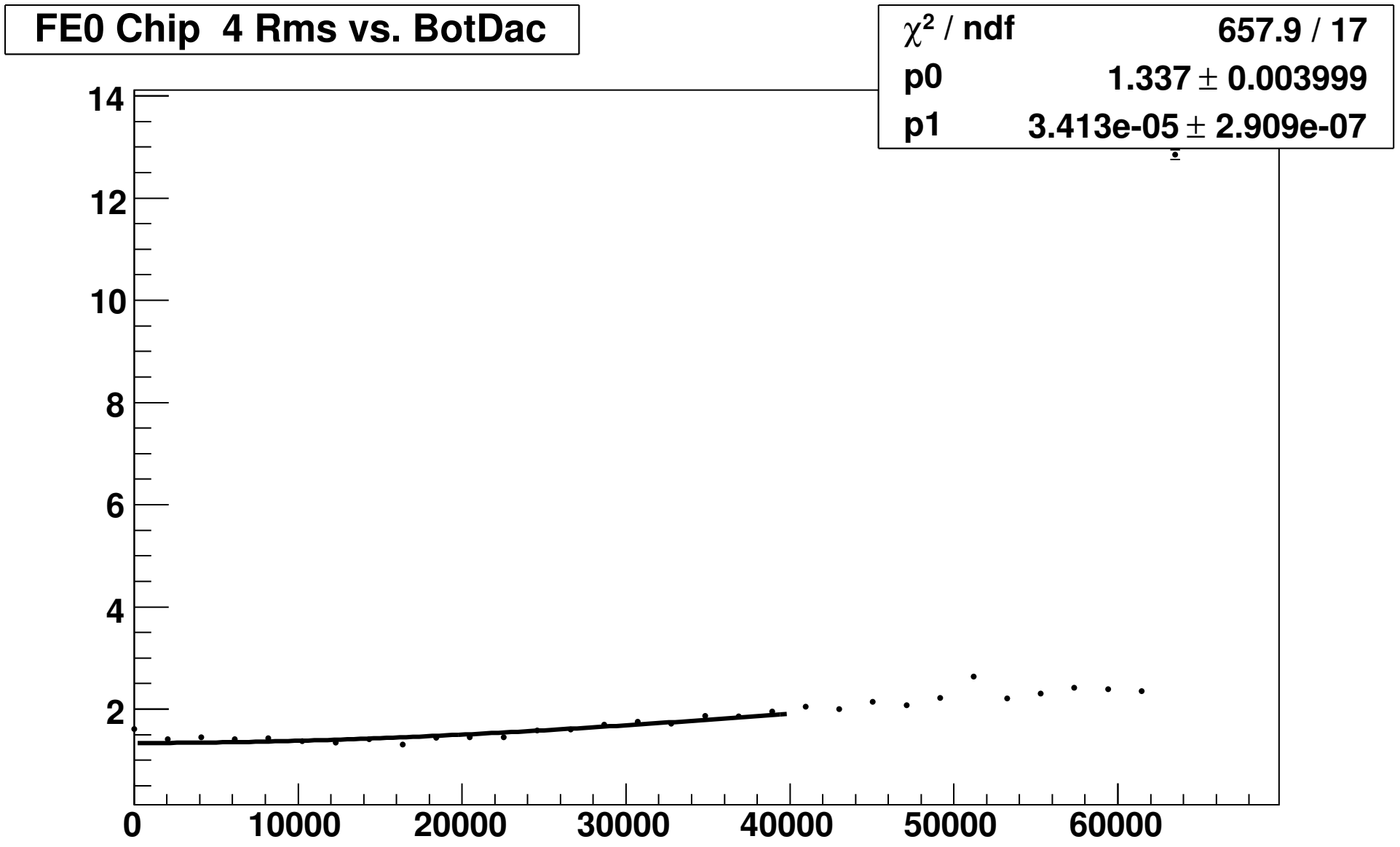

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 3.495e+04 / 17
p0 78.74 ± 0.007741
p1 0.4486 ± 3.627e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

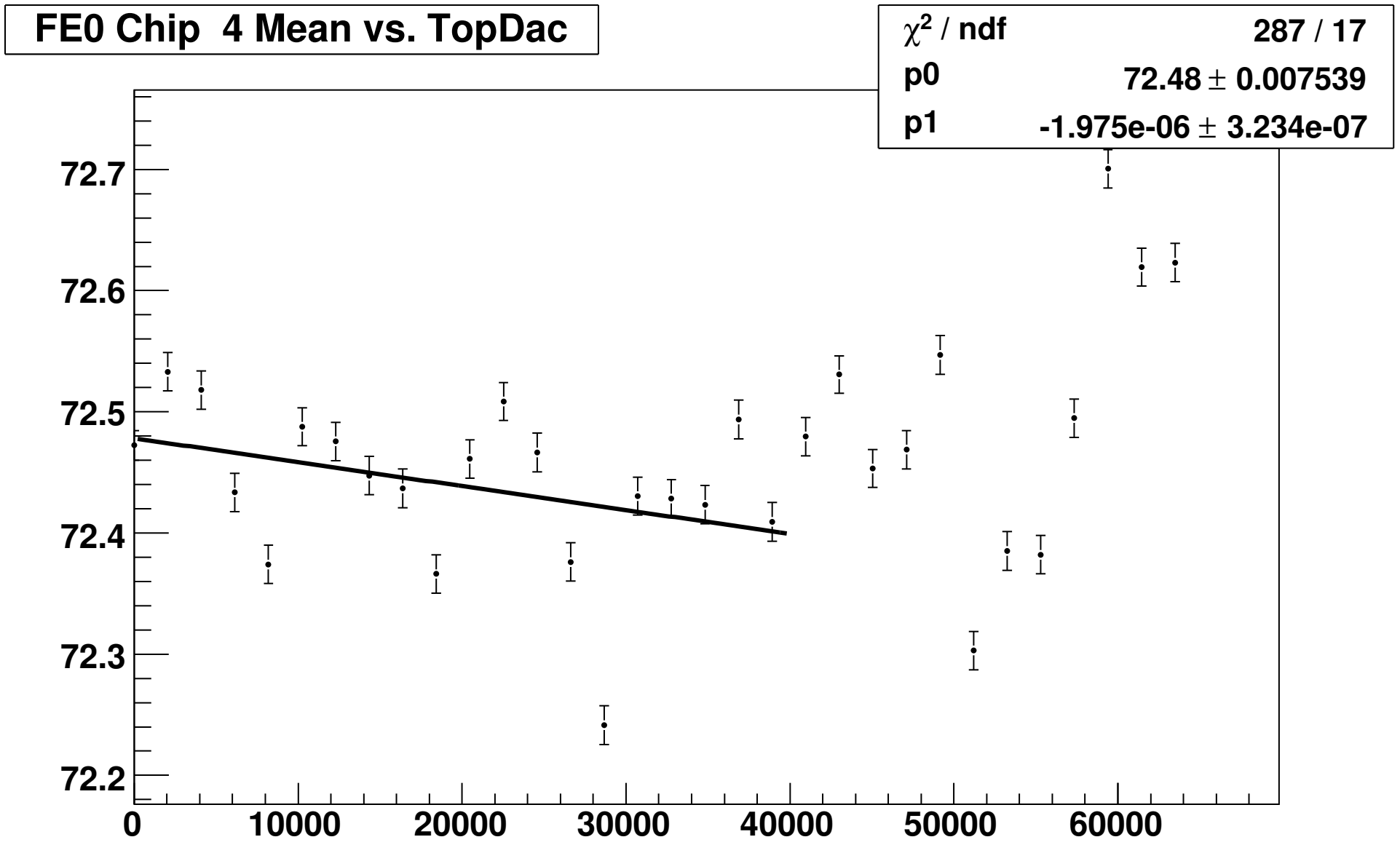

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 250.6 / 17
p0 1.423 ± 0.004192
p1 3.445e-05 ± 3.136e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

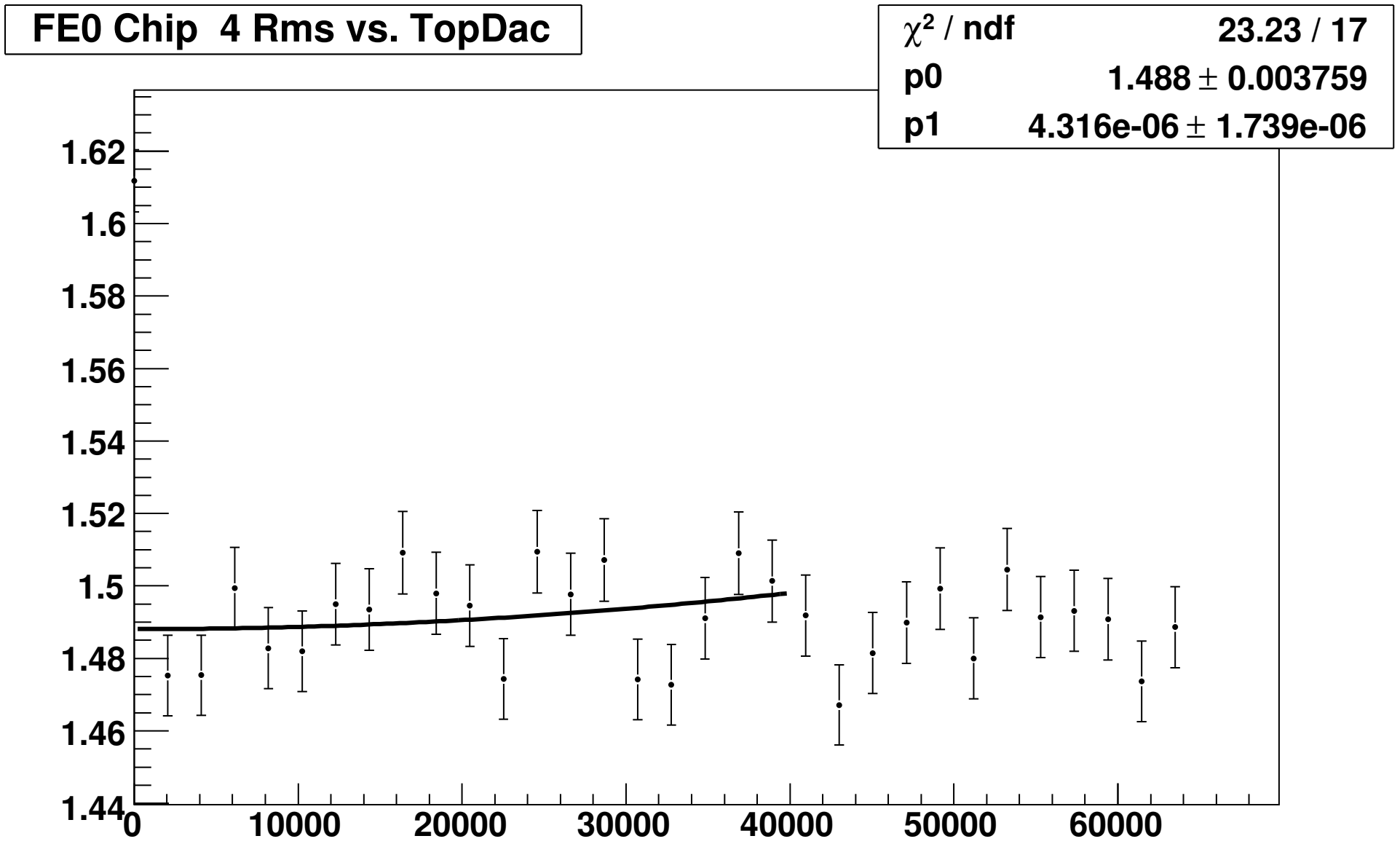

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 225.5 / 17
p0 76.71 ± 0.00792
p1 -2.914e-06 ± 3.393e-07
76.9
76.8
76.7
76.6
76.5
76.4
0
10000
20000
30000
40000
50000
60000

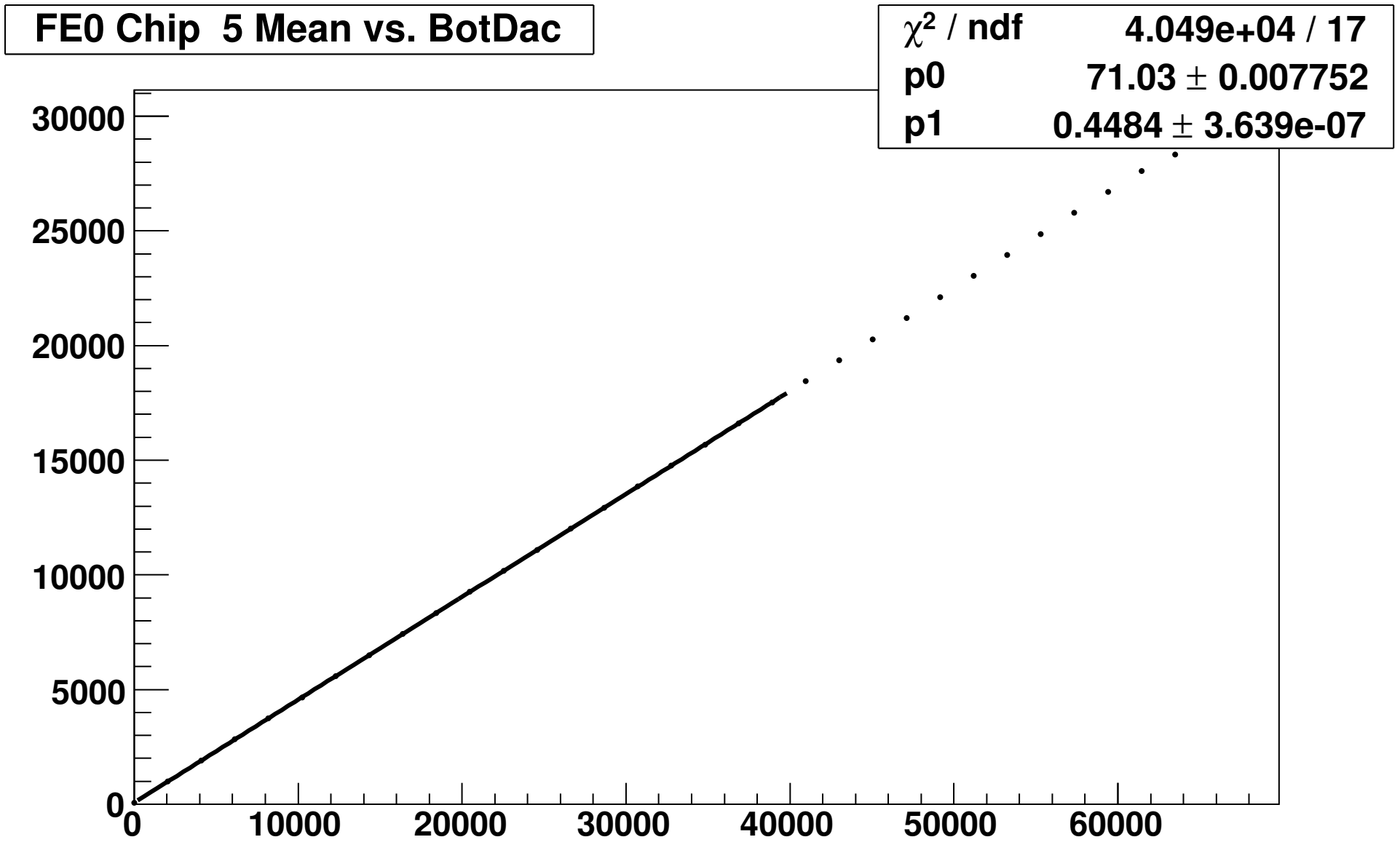

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 24.76 / 17
p0 1.563 ± 0.004115
p1 2.255e-06 ± 3.963e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000

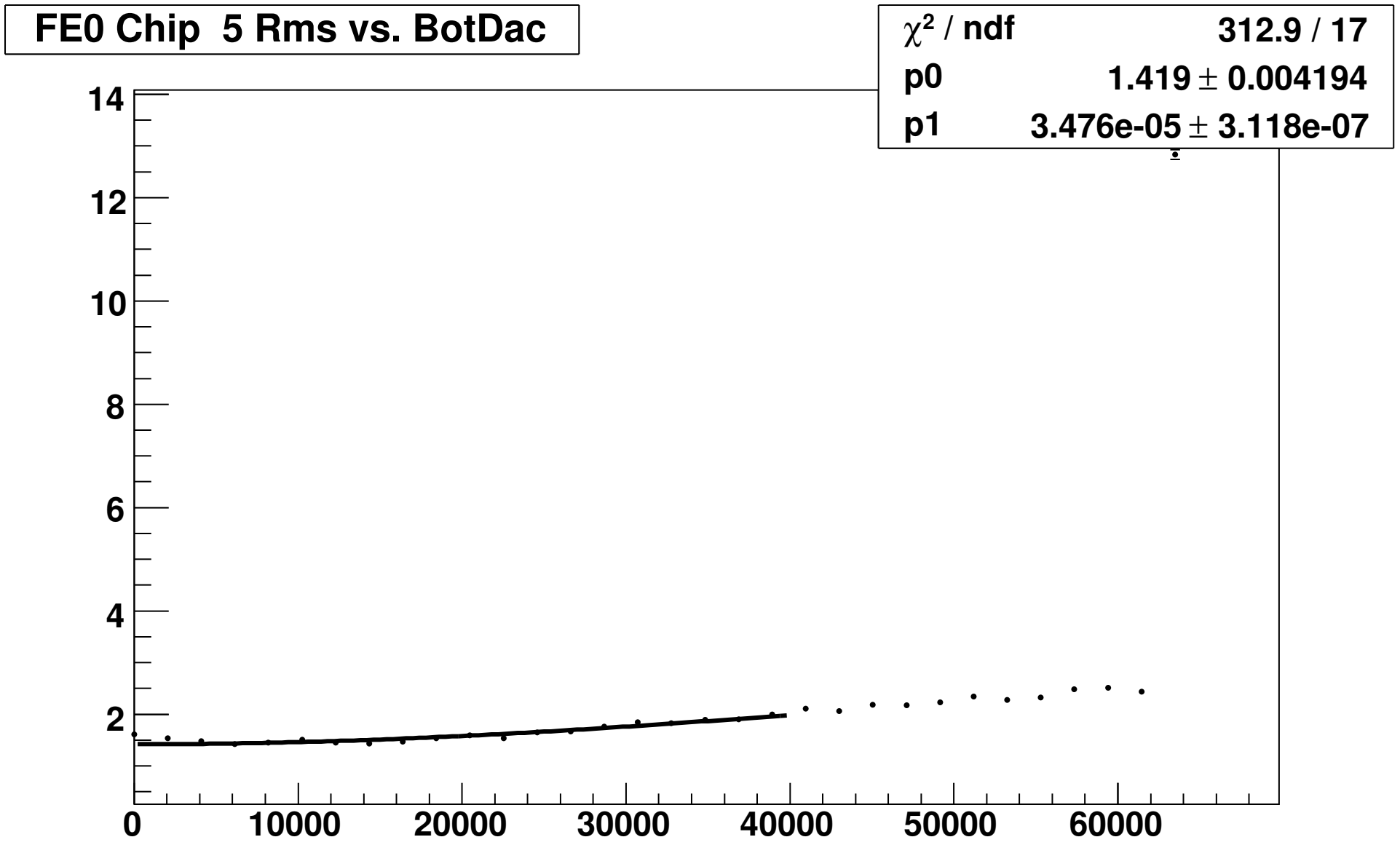

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 4.7e+04 / 17
p0 74.44 ± 0.007419
p1 0.4484 ± 3.503e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

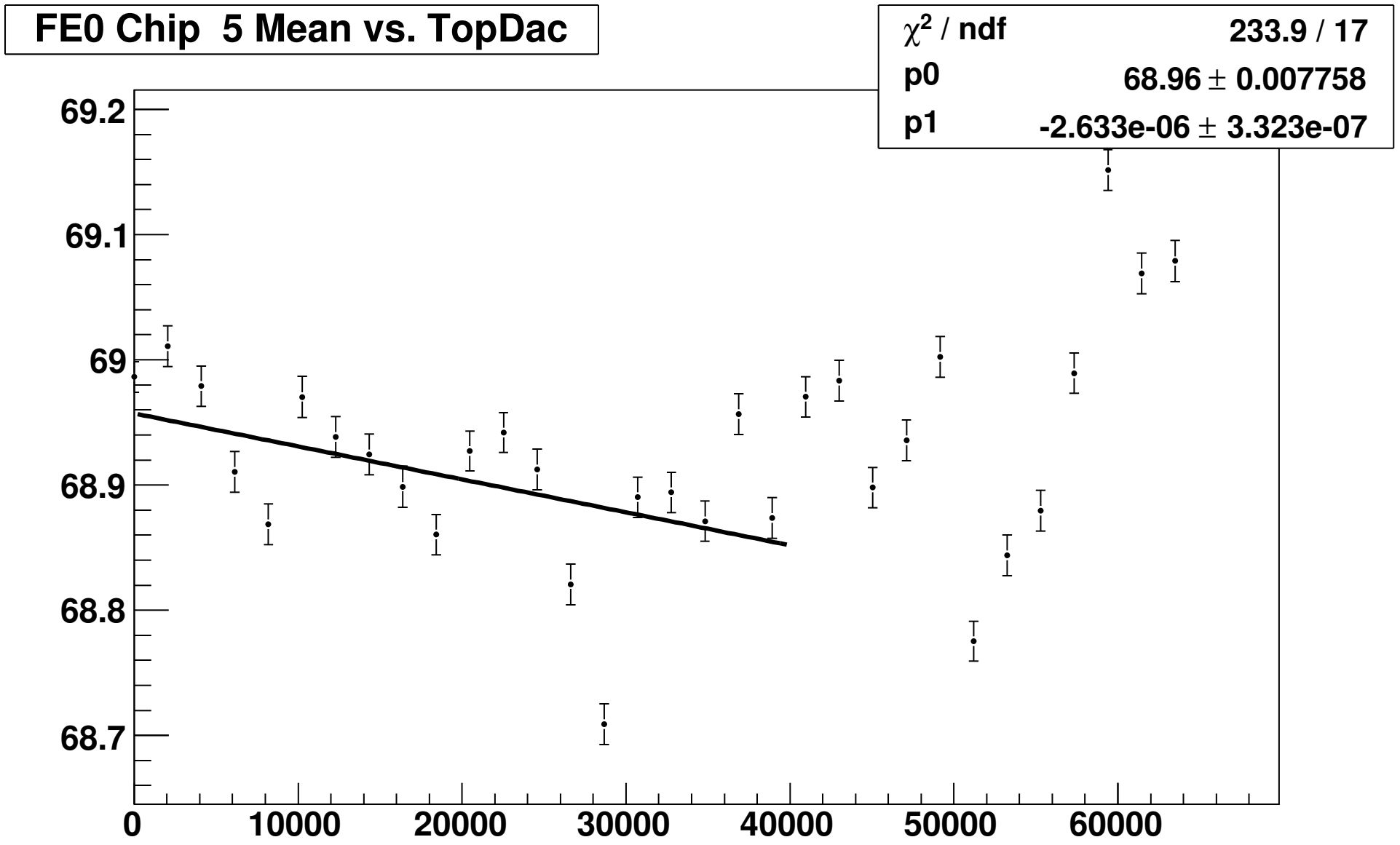

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 657.9 / 17
p0 1.337 ± 0.003999
p1 3.413e-05 ± 2.909e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

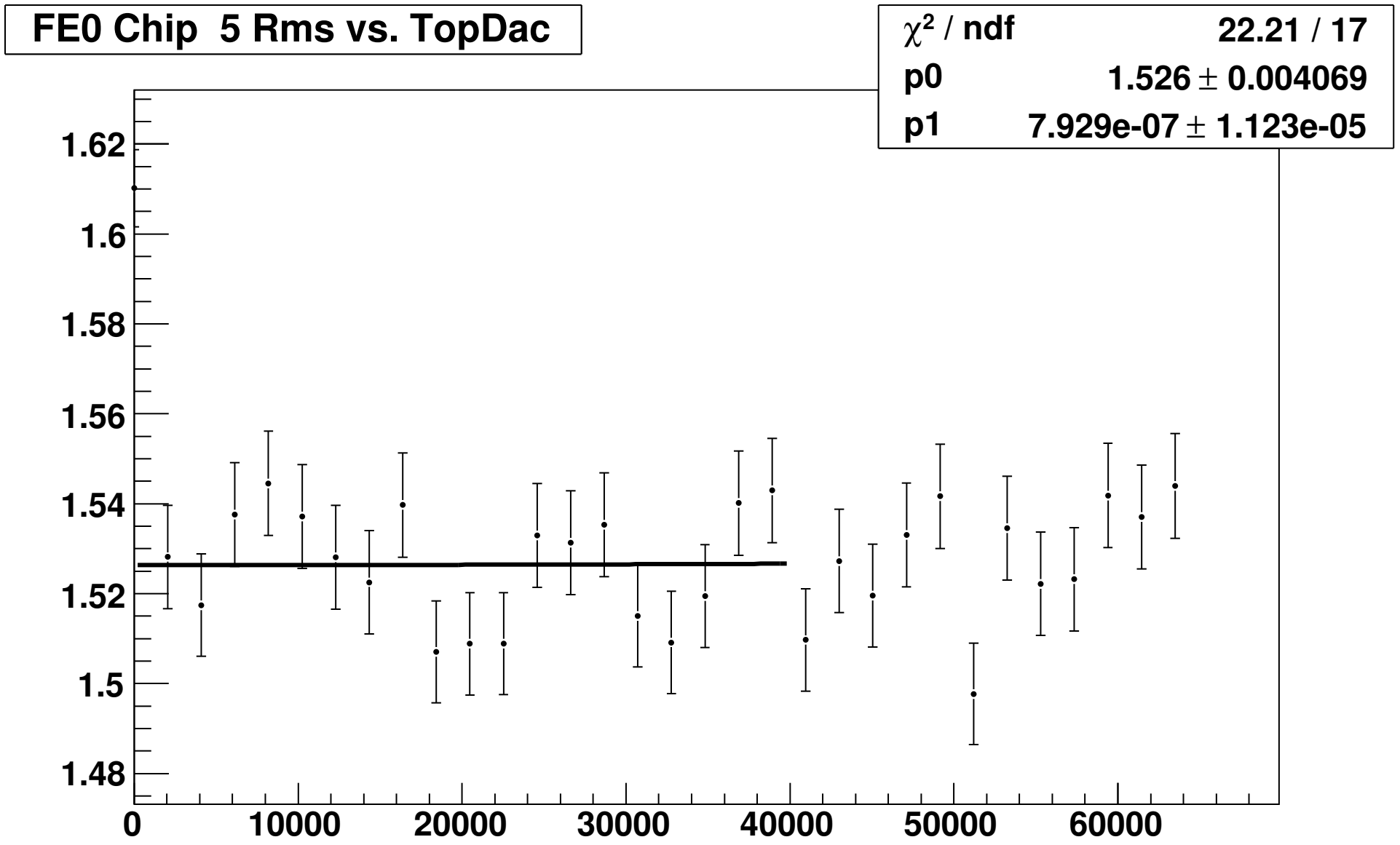

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 287 / 17
p0 72.48 ± 0.007539
p1 -1.975e-06 ± 3.234e-07
72.7
72.6
72.5
72.4
72.3
72.2
0
10000
20000
30000
40000
50000
60000

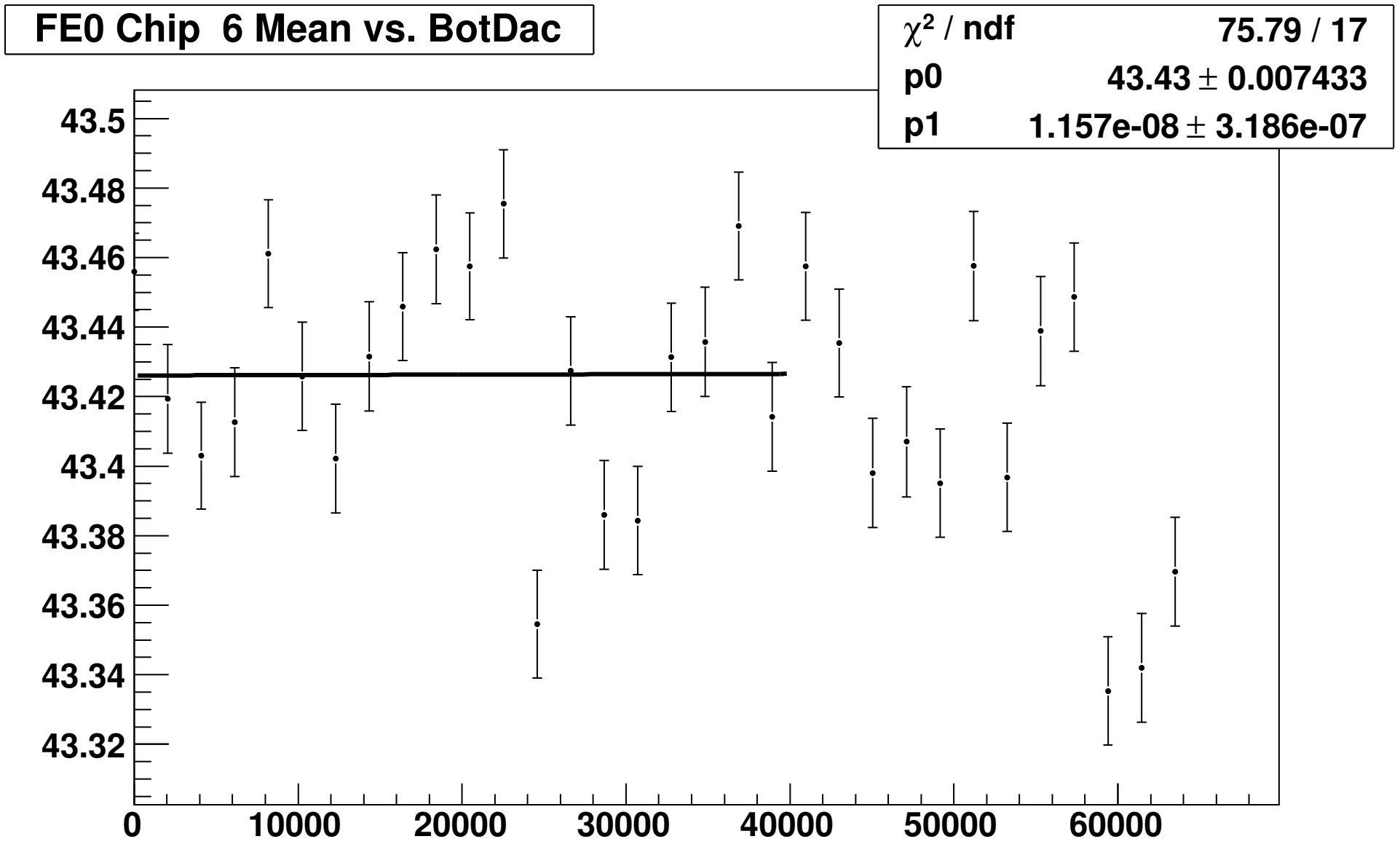

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 23.23 / 17
p0 1.488 ± 0.003759
p1 4.316e-06 ± 1.739e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

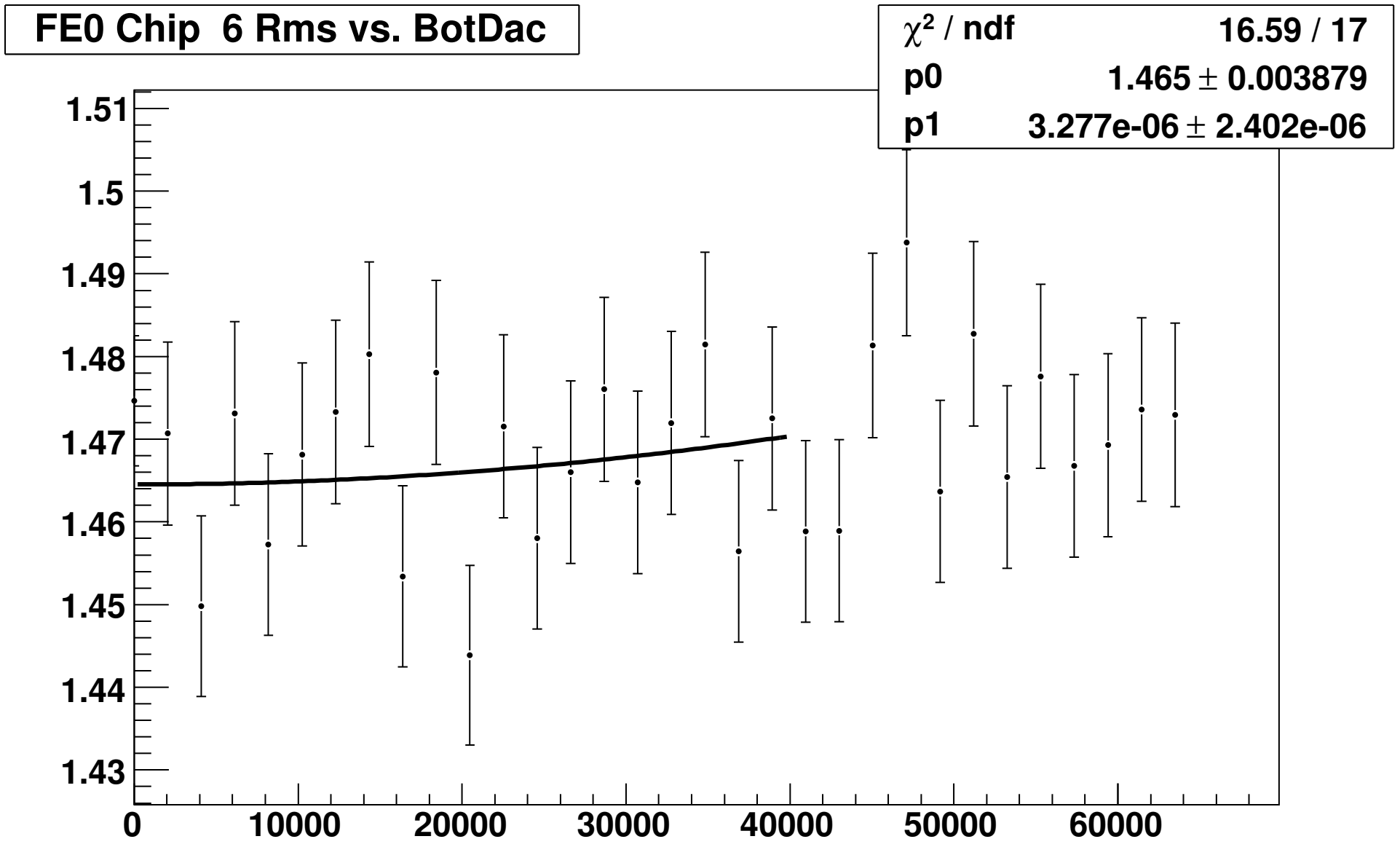

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 4.049e+04 / 17
p0 71.03 ± 0.007752
p1 0.4484 ± 3.639e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

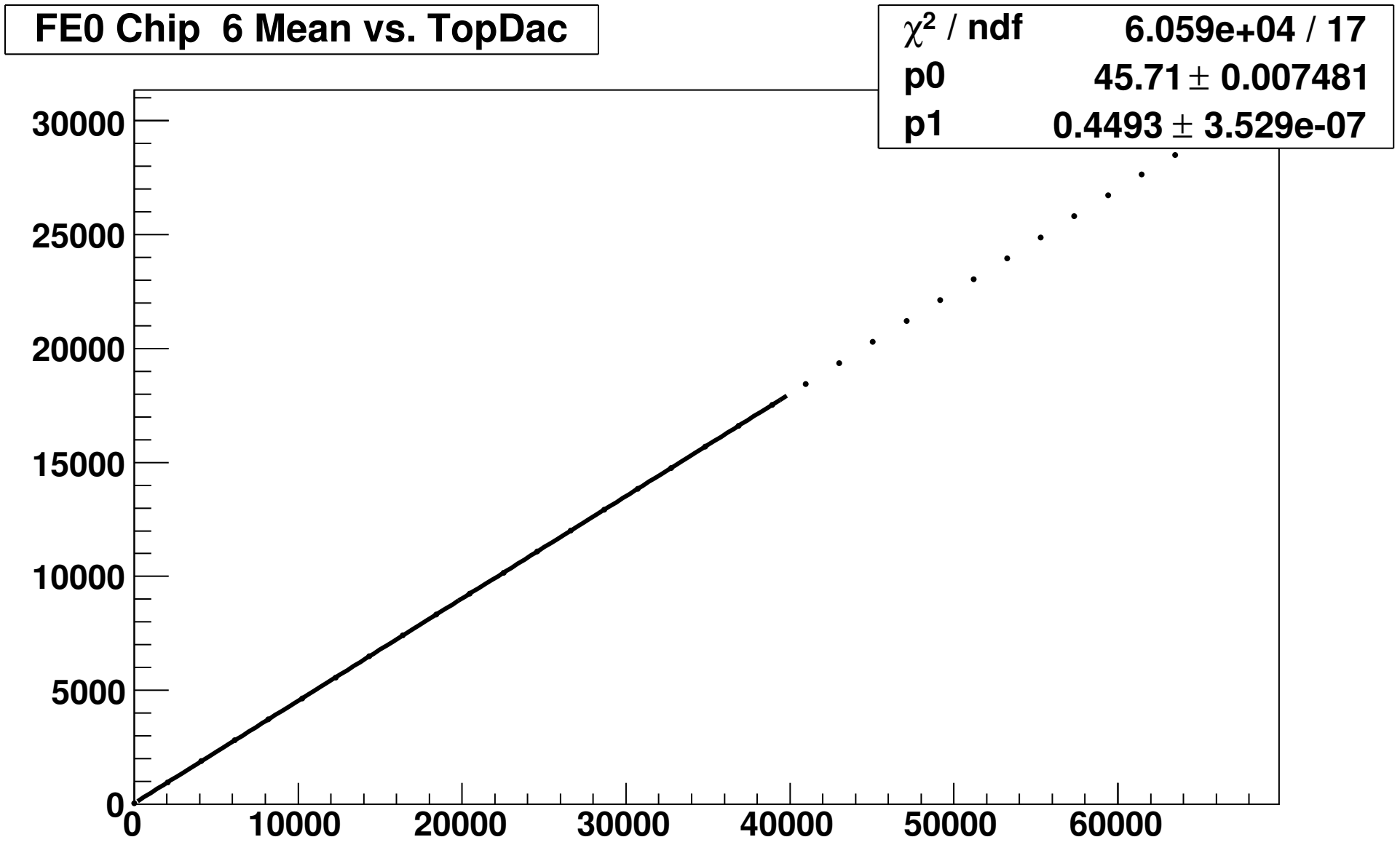

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 312.9 / 17
p0 1.419 ± 0.004194
p1 3.476e-05 ± 3.118e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

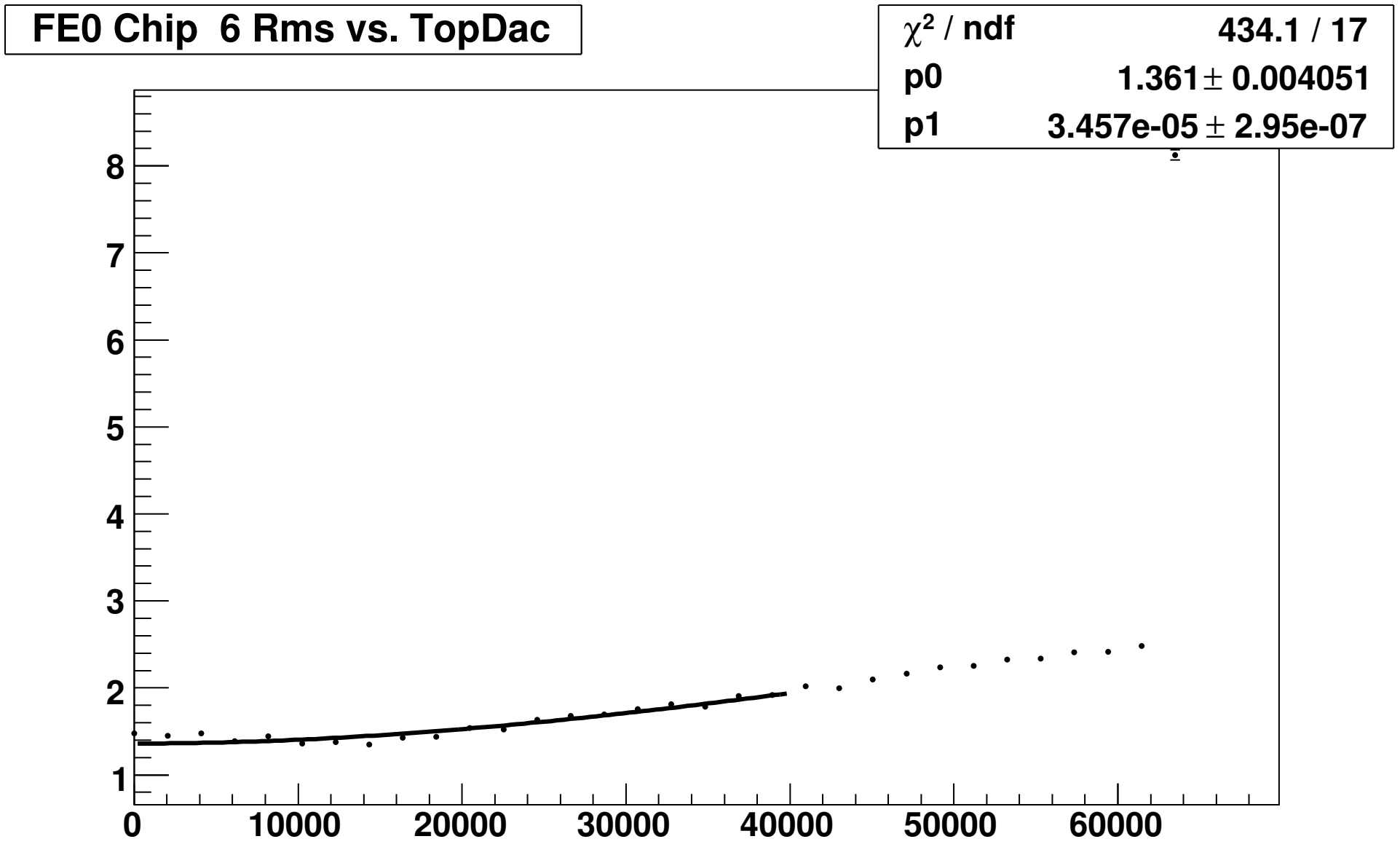

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 233.9 / 17
p0 68.96 ± 0.007758
p1 -2.633e-06 ± 3.323e-07
69.2
69.1
69
68.9
68.8
68.7
0
10000
20000
30000
40000
50000
60000

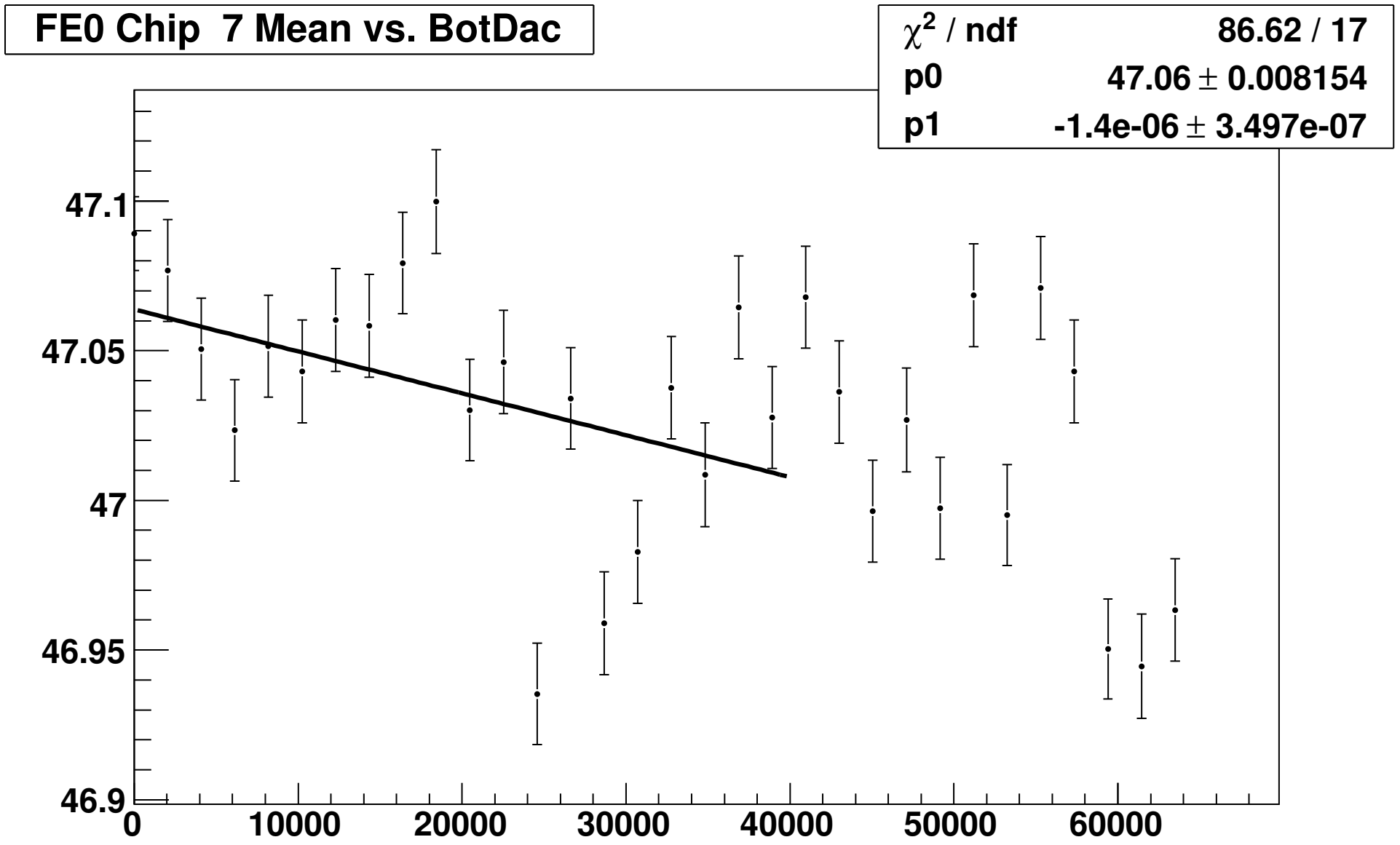

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 22.21 / 17
p0 1.526 ± 0.004069
p1 7.929e-07 ± 1.123e-05
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

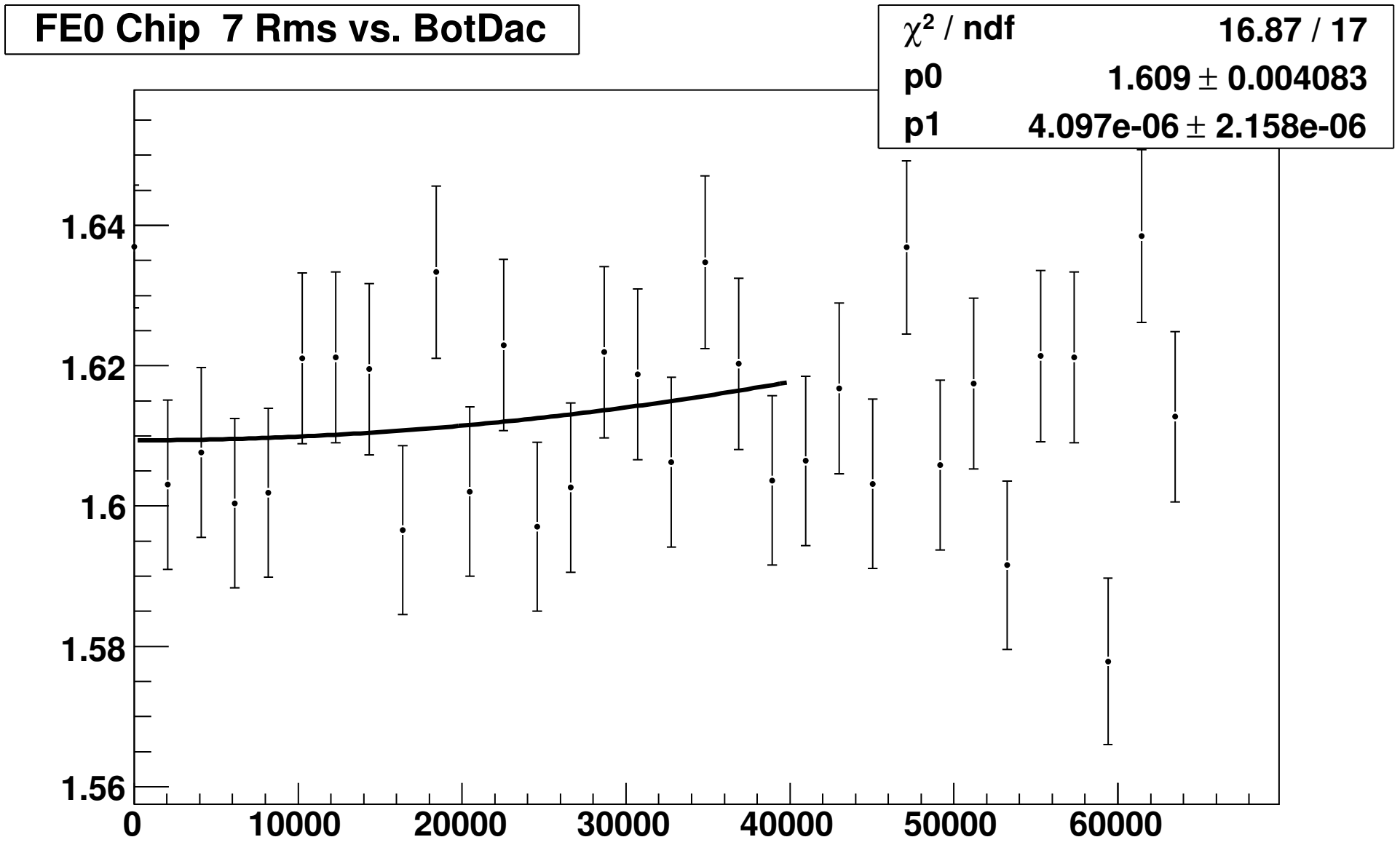

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 75.79 / 17
p0 43.43 ± 0.007433
p1 1.157e-08 ± 3.186e-07
43.5
43.48
43.46
43.44
43.42
43.4
43.38
43.36
43.34
43.32
0
10000
20000
30000
40000
50000
60000

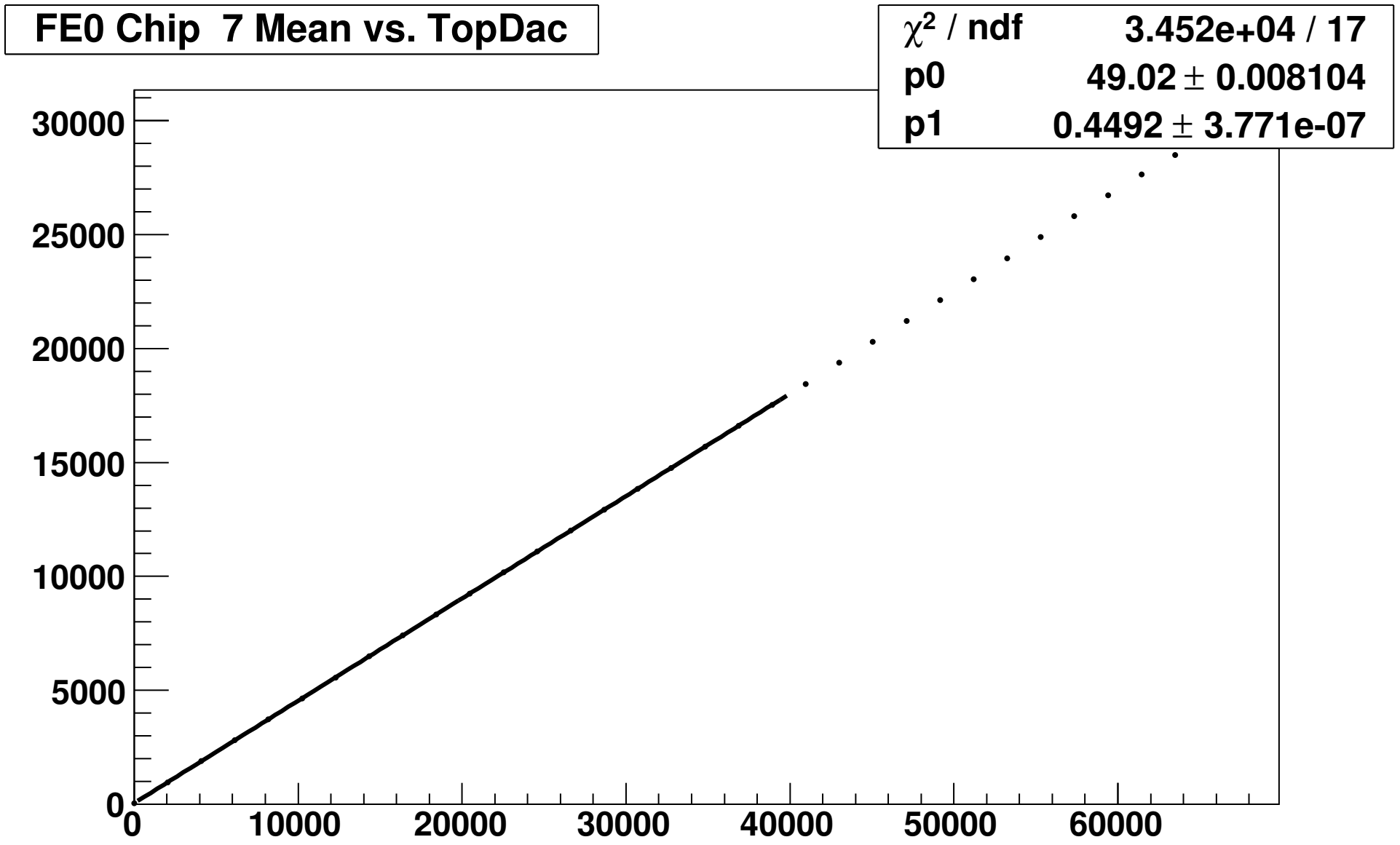

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 16.59 / 17
p0 1.465 ± 0.003879
p1 3.277e-06 ± 2.402e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

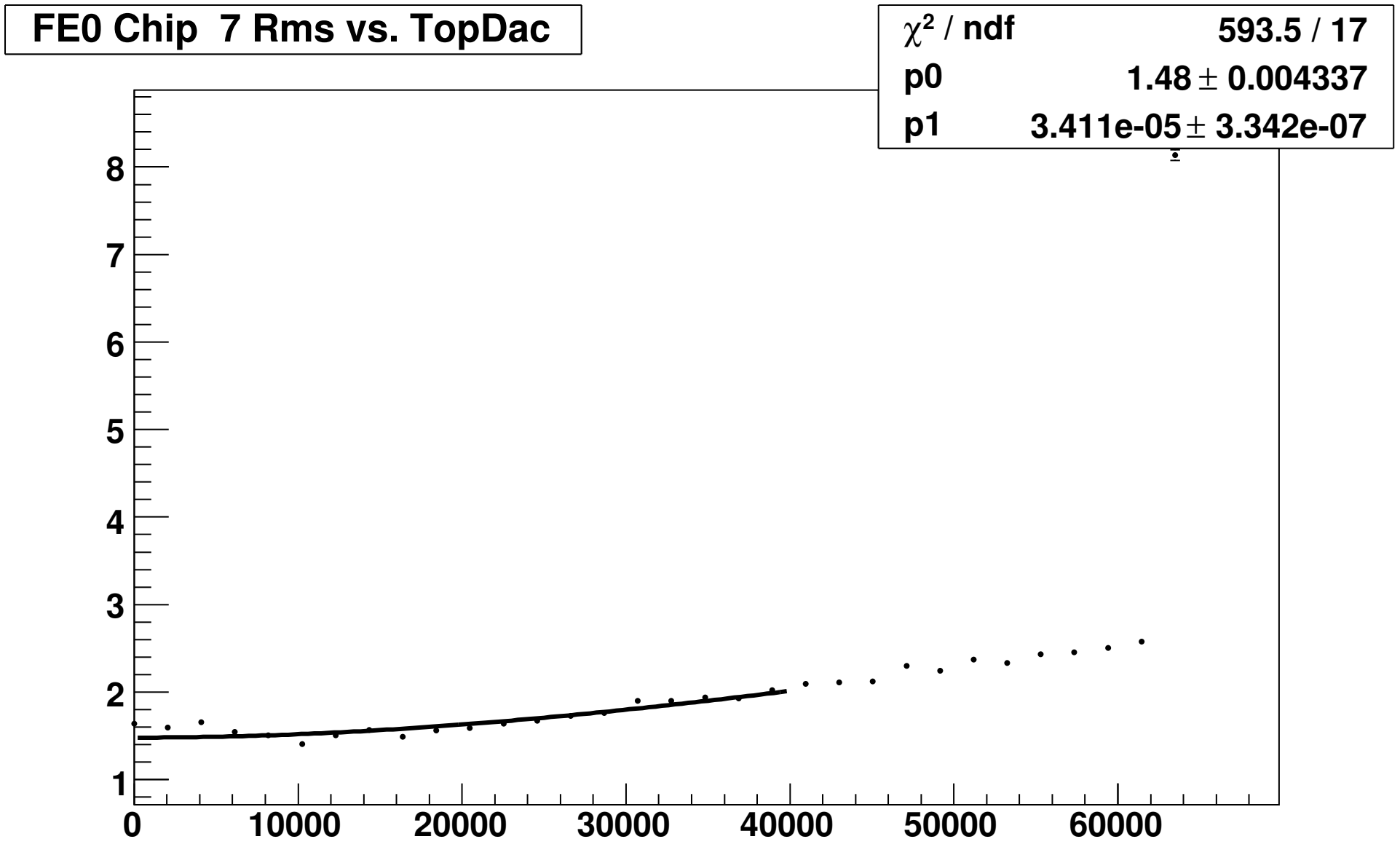

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 6.059e+04 / 17
p0 45.71 ± 0.007481
p1 0.4493 ± 3.529e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

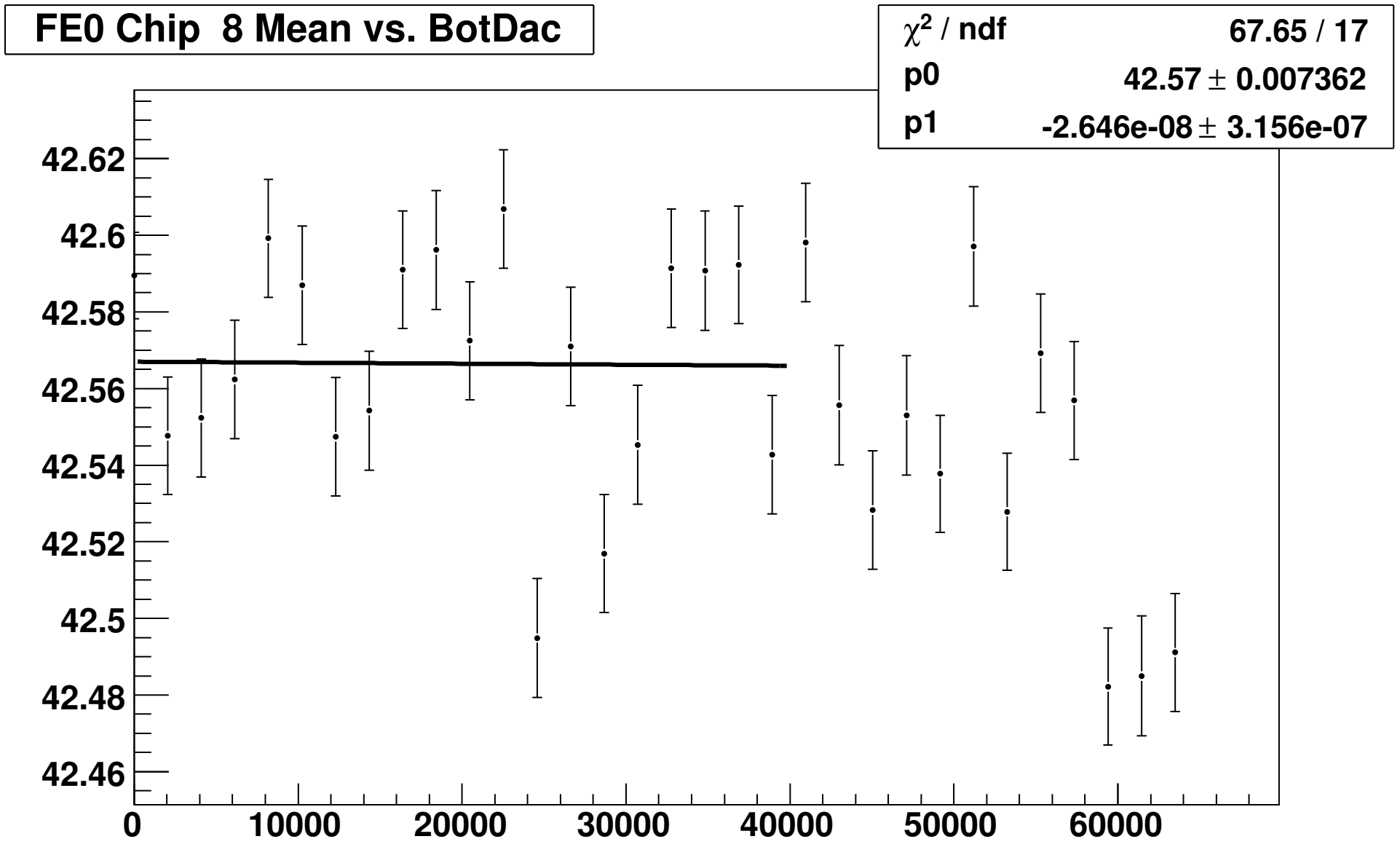

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 434.1 / 17
p0 1.361 ± 0.004051
p1 3.457e-05 ± 2.95e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

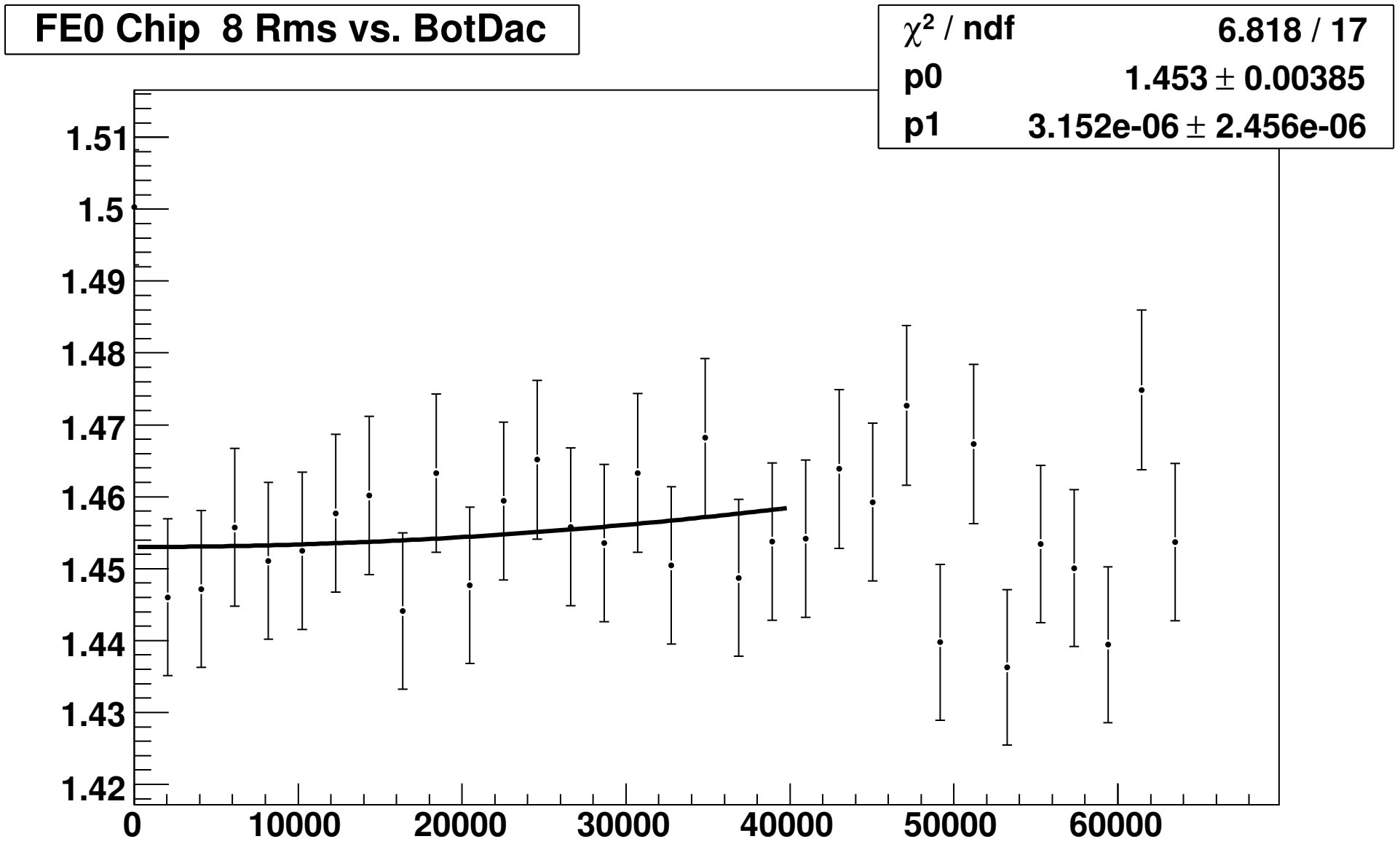

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 86.62 / 17
p0 47.06 ± 0.008154
p1 -1.4e-06 ± 3.497e-07
47.1
47.05
47
46.95
46.9
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 16.87 / 17
p0 1.609 ± 0.004083
p1 4.097e-06 ± 2.158e-06
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 3.452e+04 / 17
p0 49.02 ± 0.008104
p1 0.4492 ± 3.771e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 593.5 / 17
p0 1.48 ± 0.004337
p1 3.411e-05 ± 3.342e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 67.65 / 17
p0 42.57 ± 0.007362
p1 -2.646e-08 ± 3.156e-07
42.62
42.6
42.58
42.56
42.54
42.52
42.5
42.48
42.46
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 6.818 / 17
p0 1.453 ± 0.00385
p1 3.152e-06 ± 2.456e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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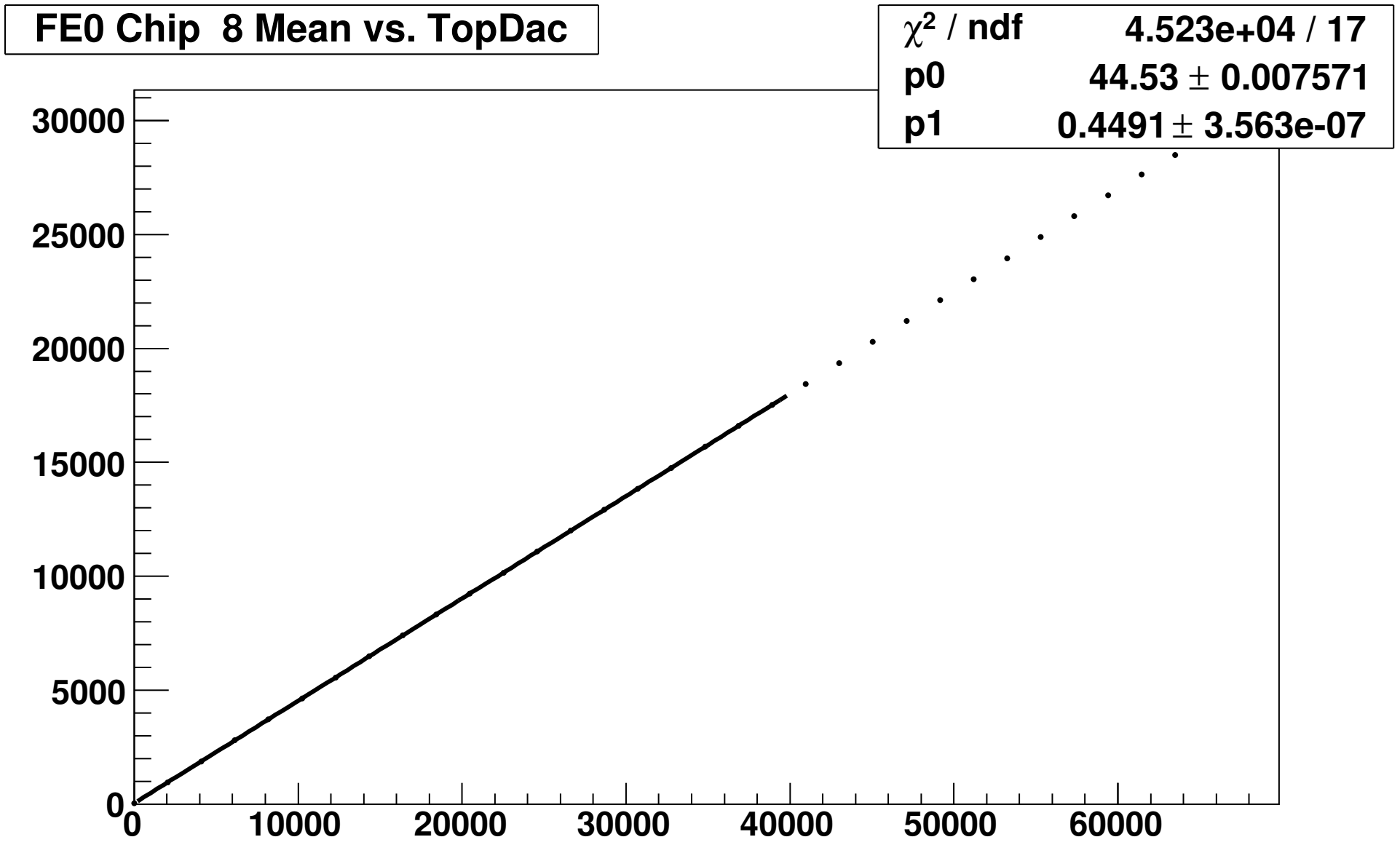
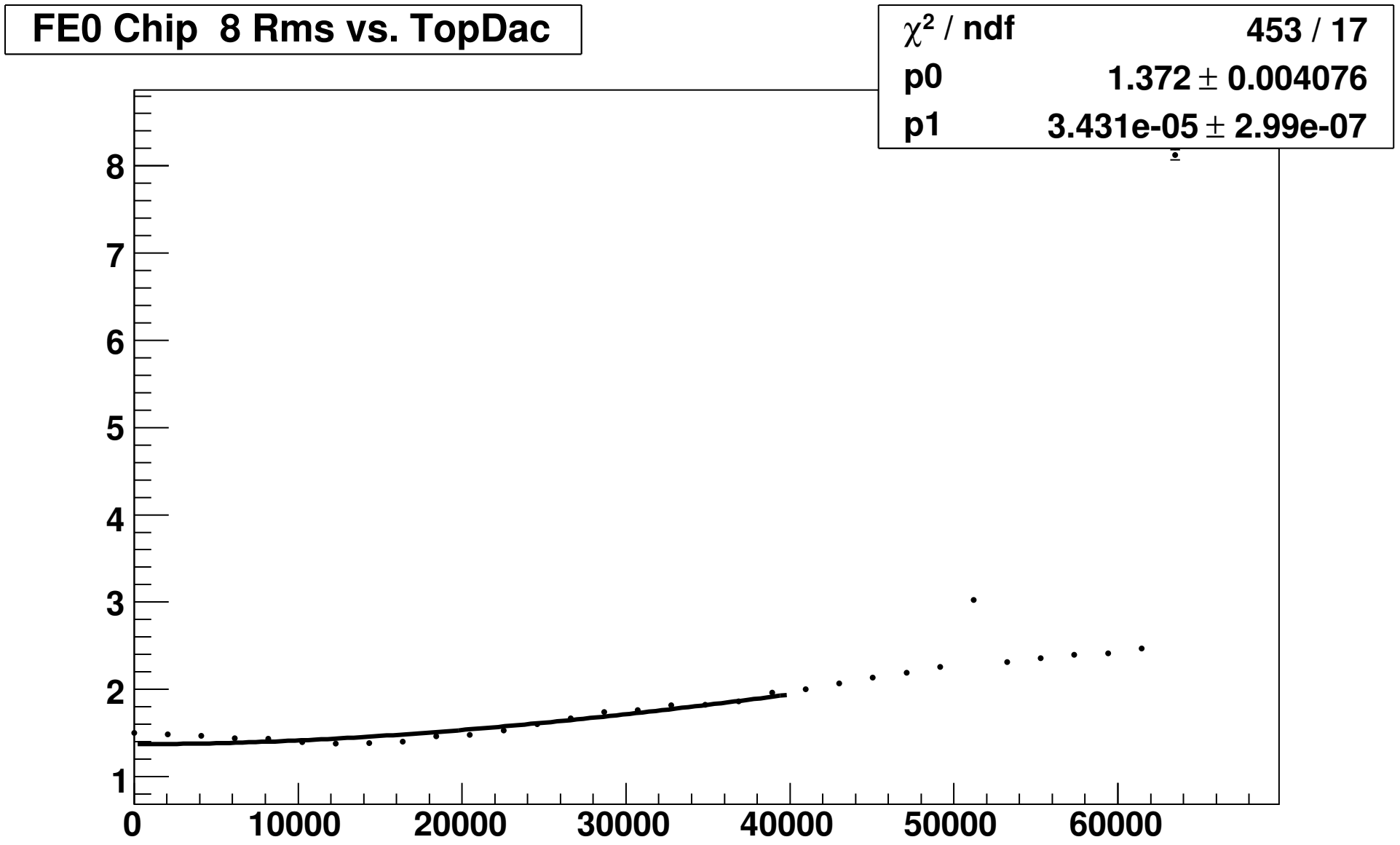
30000
40000
50000
60000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 4.523e+04 / 17
p0 44.53 ± 0.007571
p1 0.4491 ± 3.563e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 453 / 17
p0 1.372 ± 0.004076
p1 3.431e-05 ± 2.99e-07
8
7
6
5
4
3
2
1
0
10000
20000
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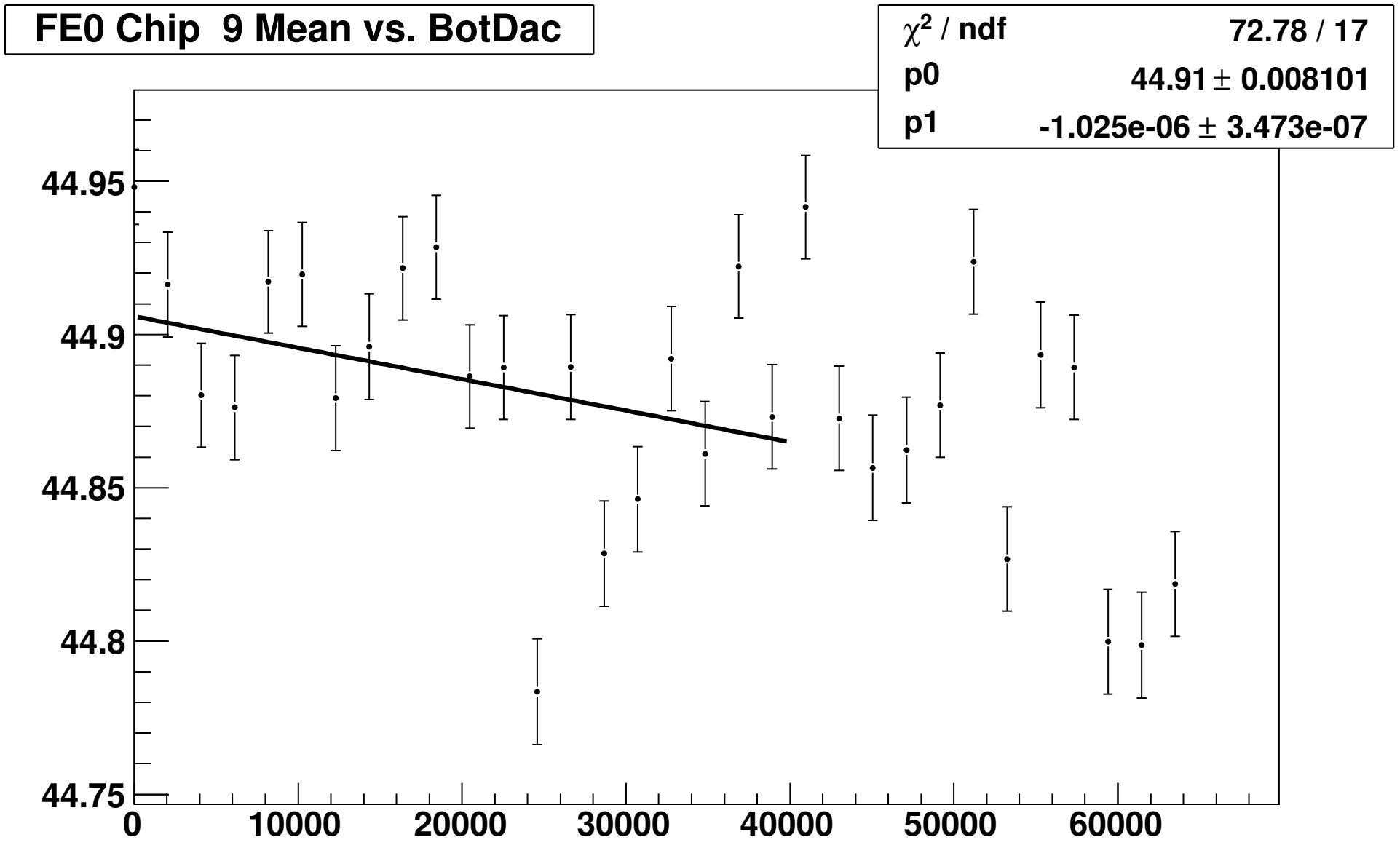
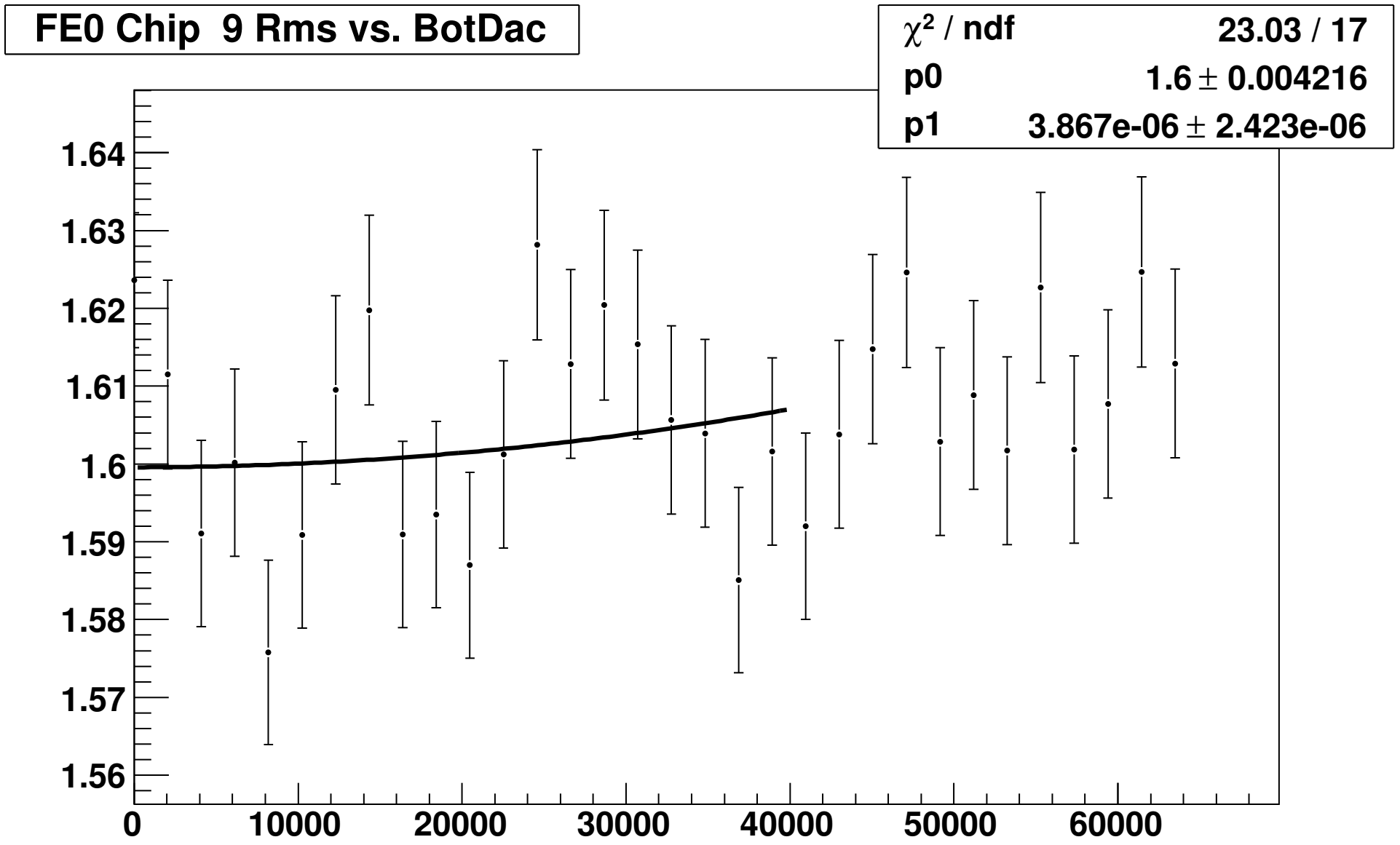
40000
50000
60000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 72.78 / 17
p0 44.91 ± 0.008101
p1 -1.025e-06 ± 3.473e-07
44.95
44.9
44.85
44.8
44.75
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 23.03 / 17
p0 1.6 ± 0.004216
p1 3.867e-06 ± 2.423e-06
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
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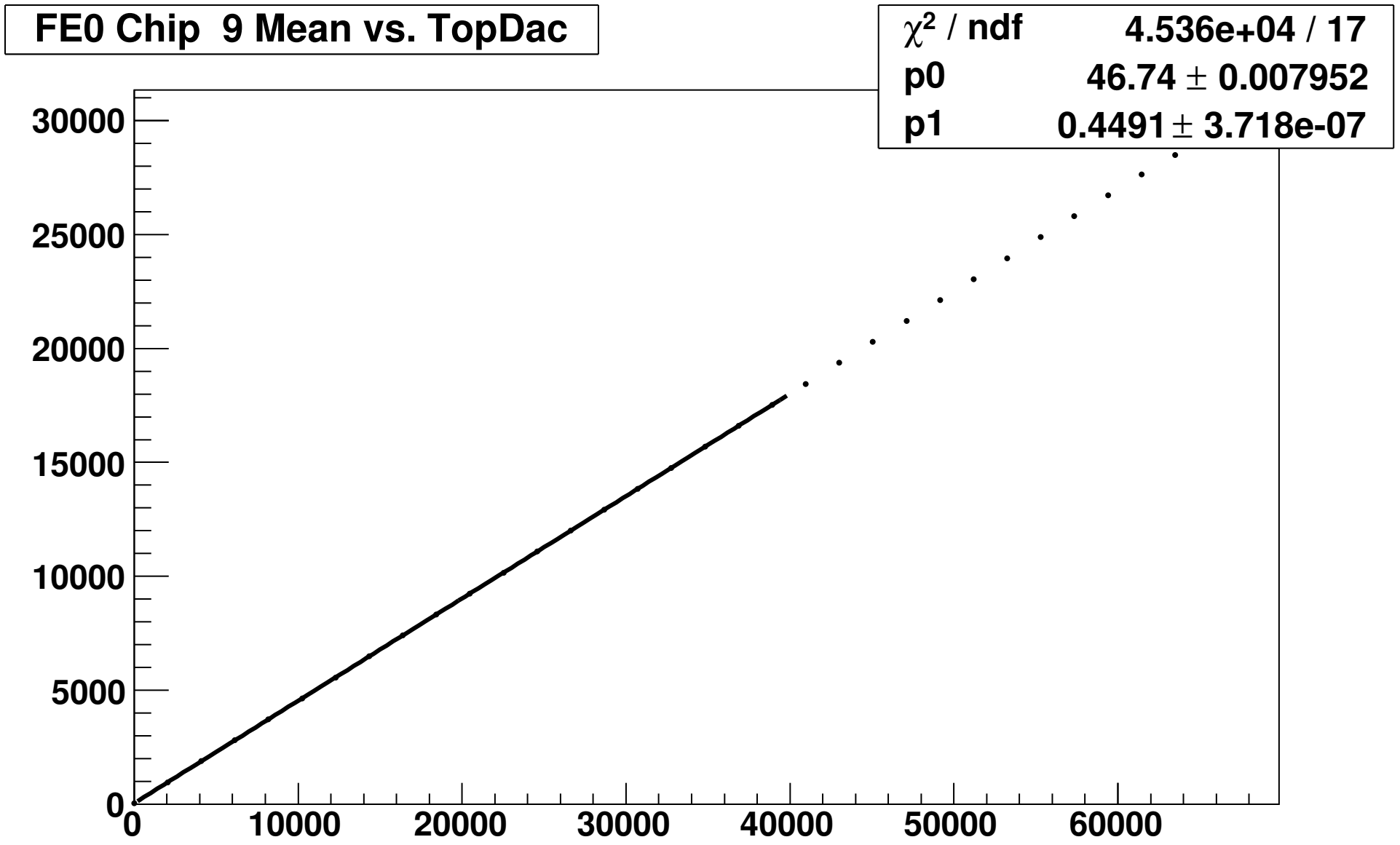
30000
40000
50000
60000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 4.536e+04 / 17
p0 46.74 ± 0.007952
p1 0.4491 ± 3.718e-07
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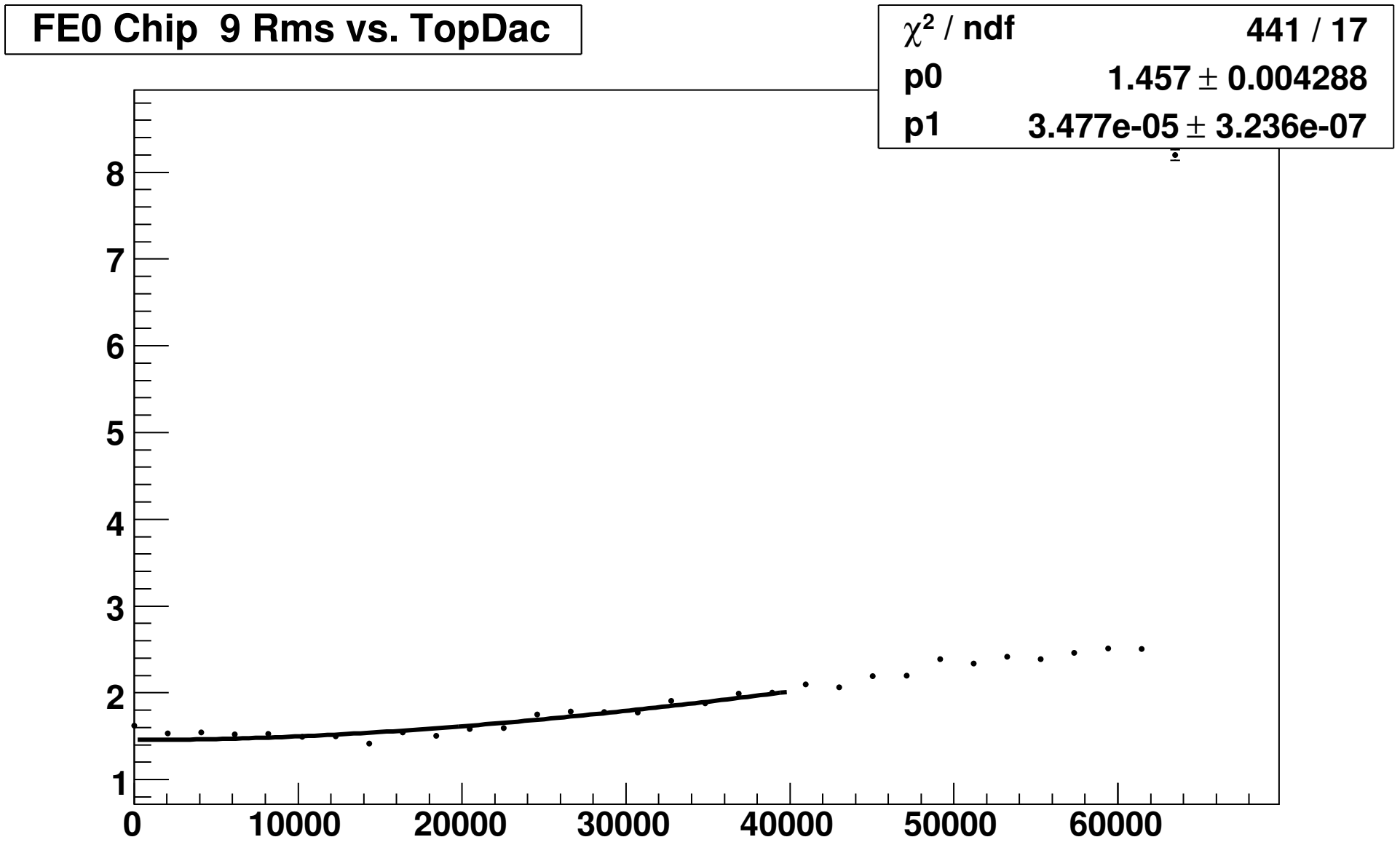
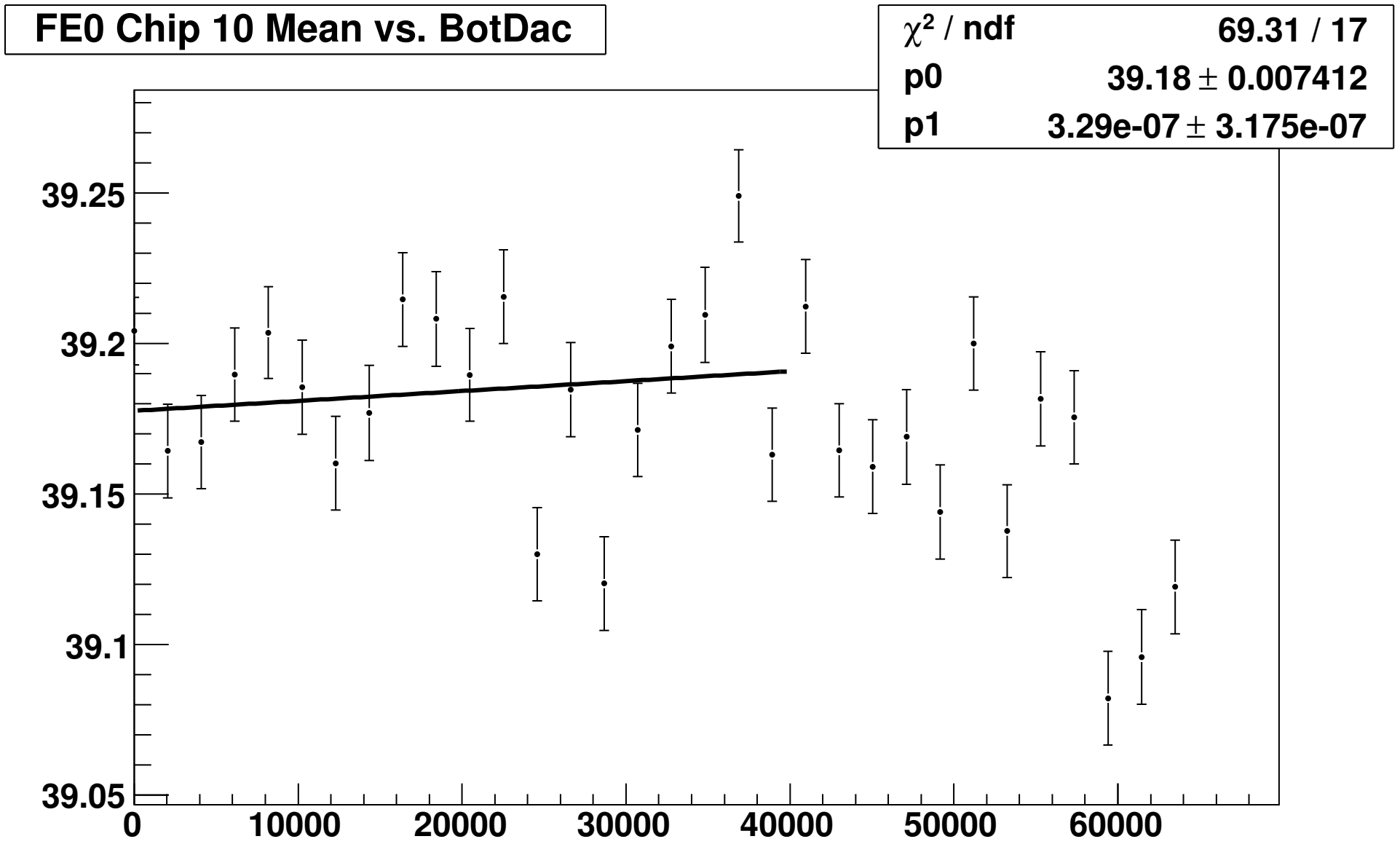
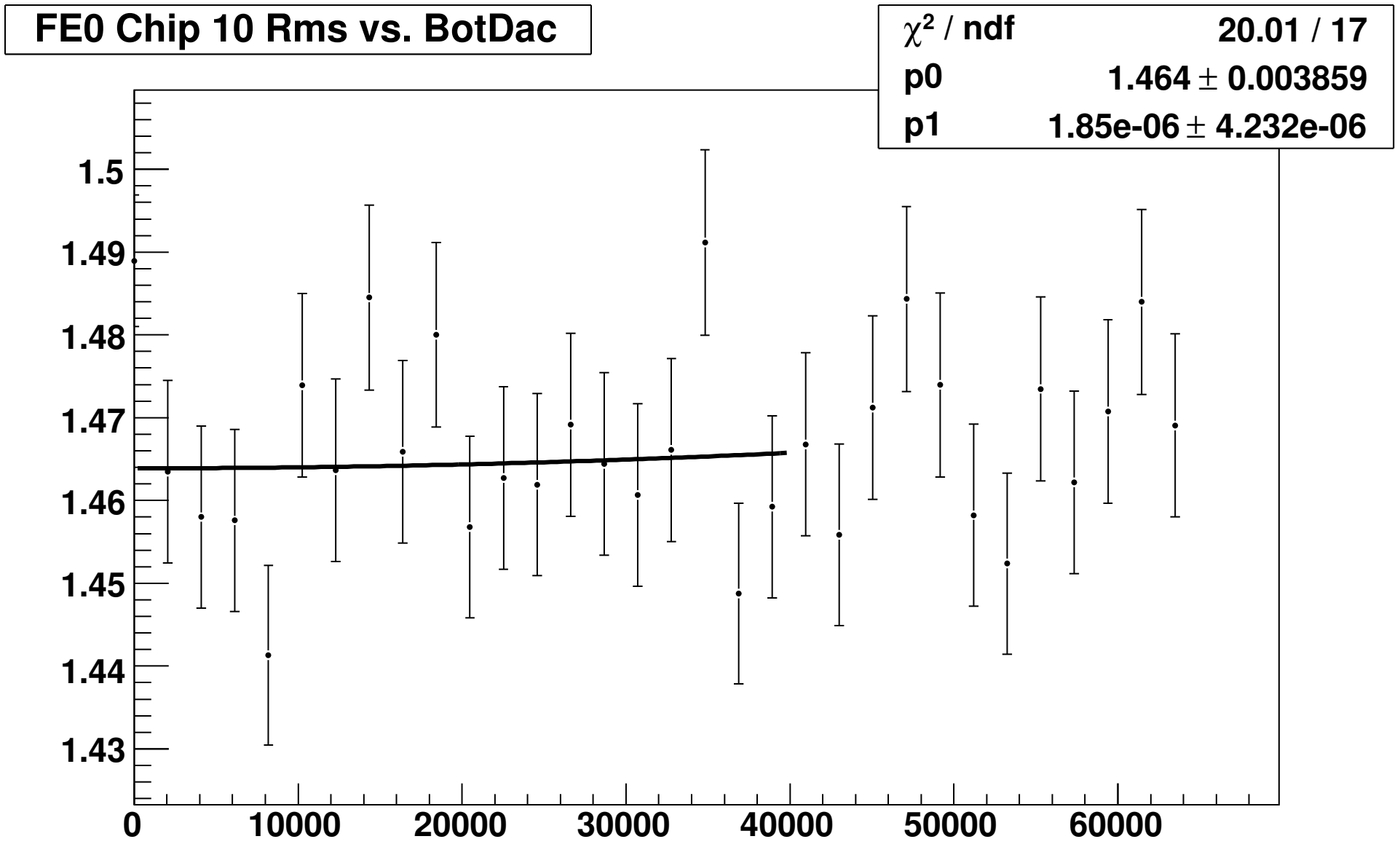
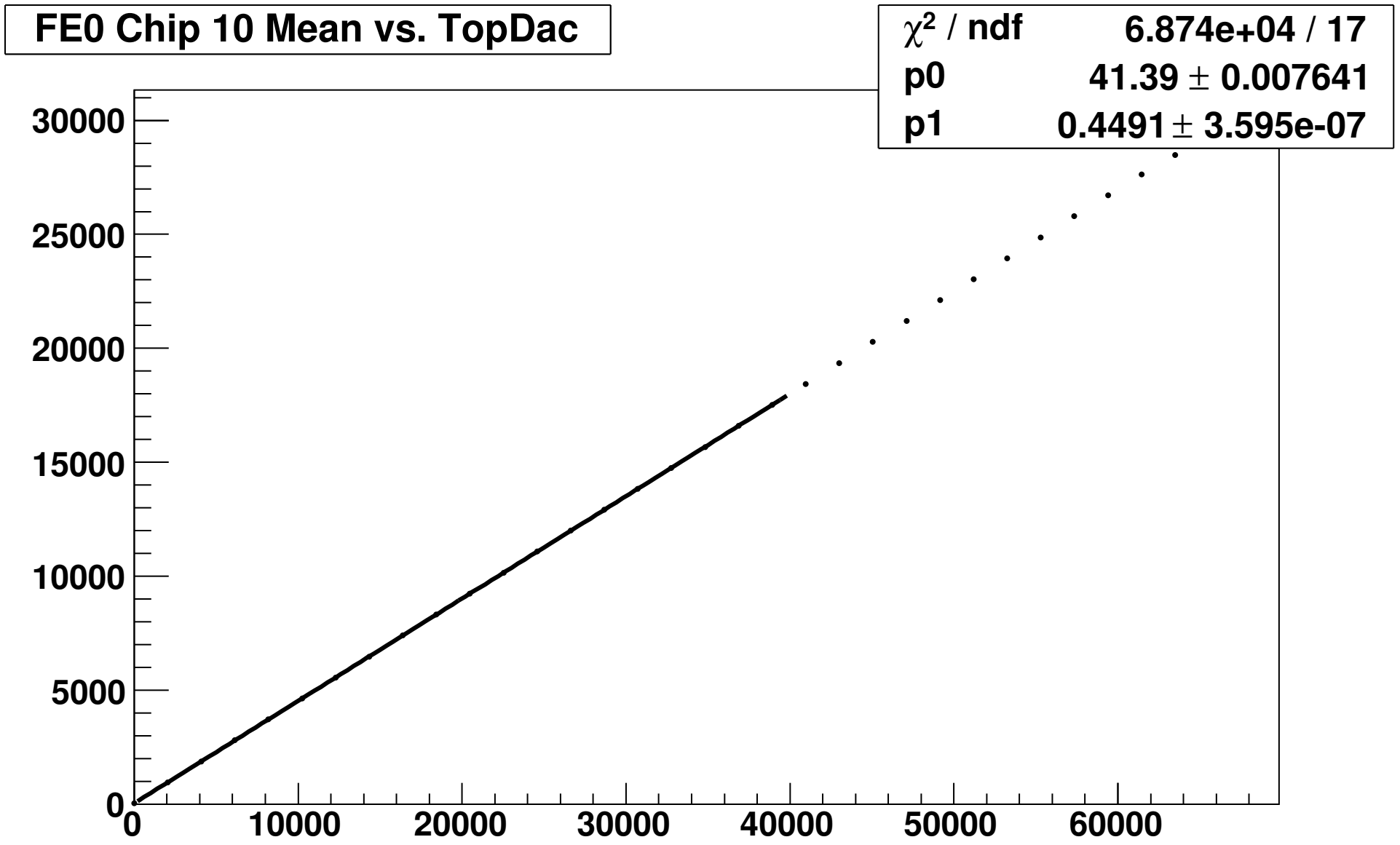
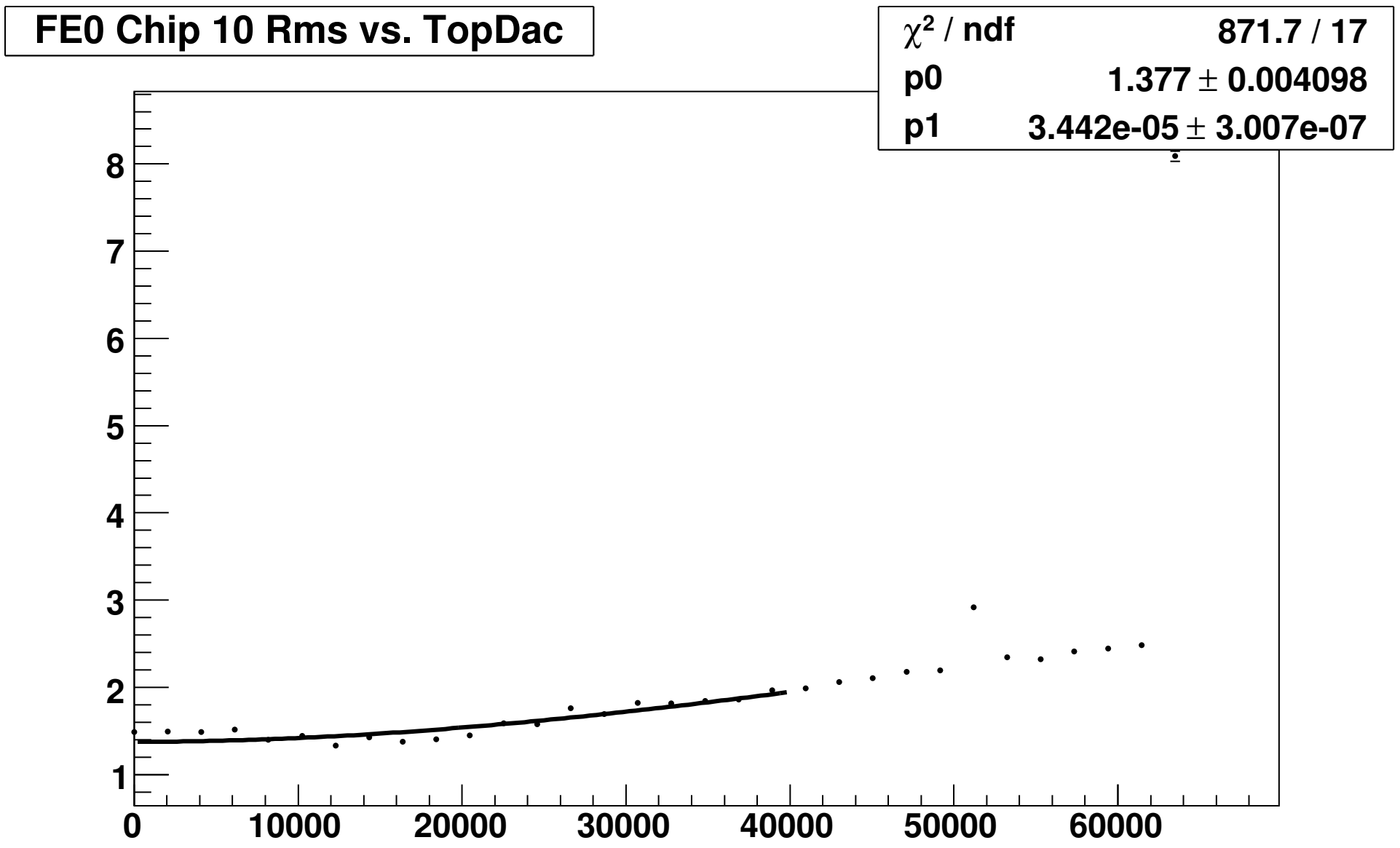
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

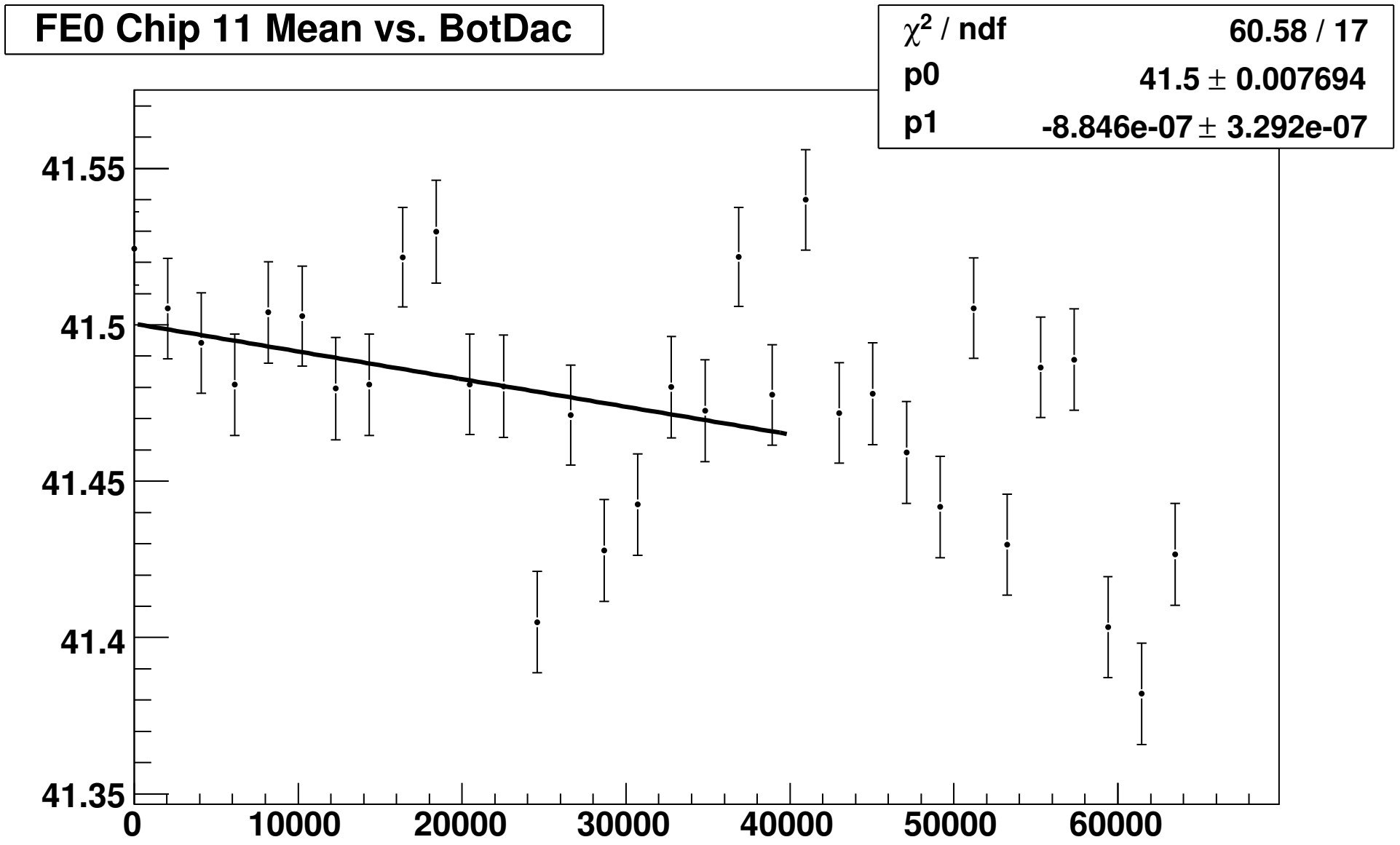

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 441 / 17
p0 1.457 ± 0.004288
p1 3.477e-05 ± 3.236e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

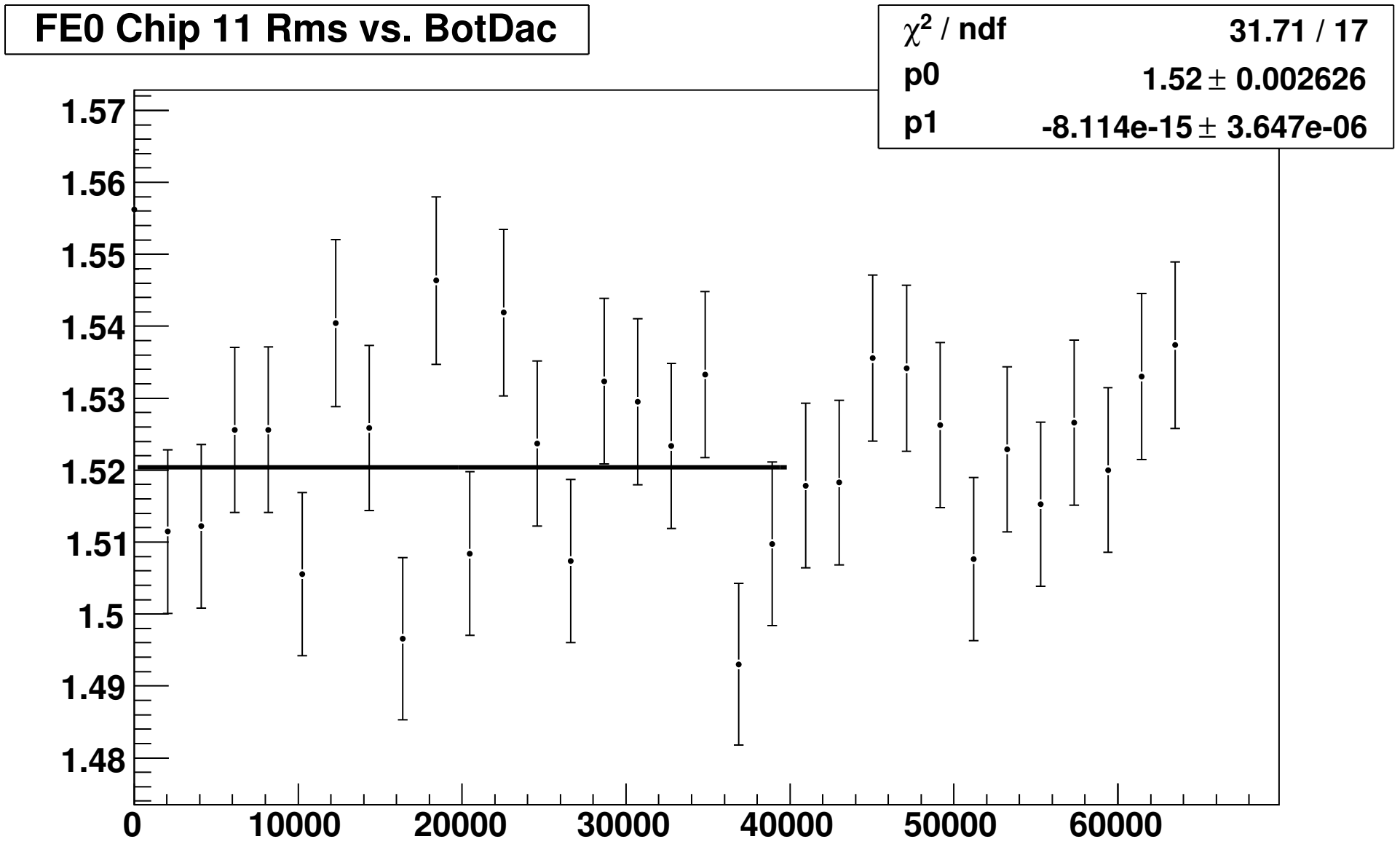

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 69.31 / 17
p0 39.18 ± 0.007412
p1 3.29e-07 ± 3.175e-07
39.25
39.2
39.15
39.1
39.05
0
10000
20000
30000
40000
50000
60000

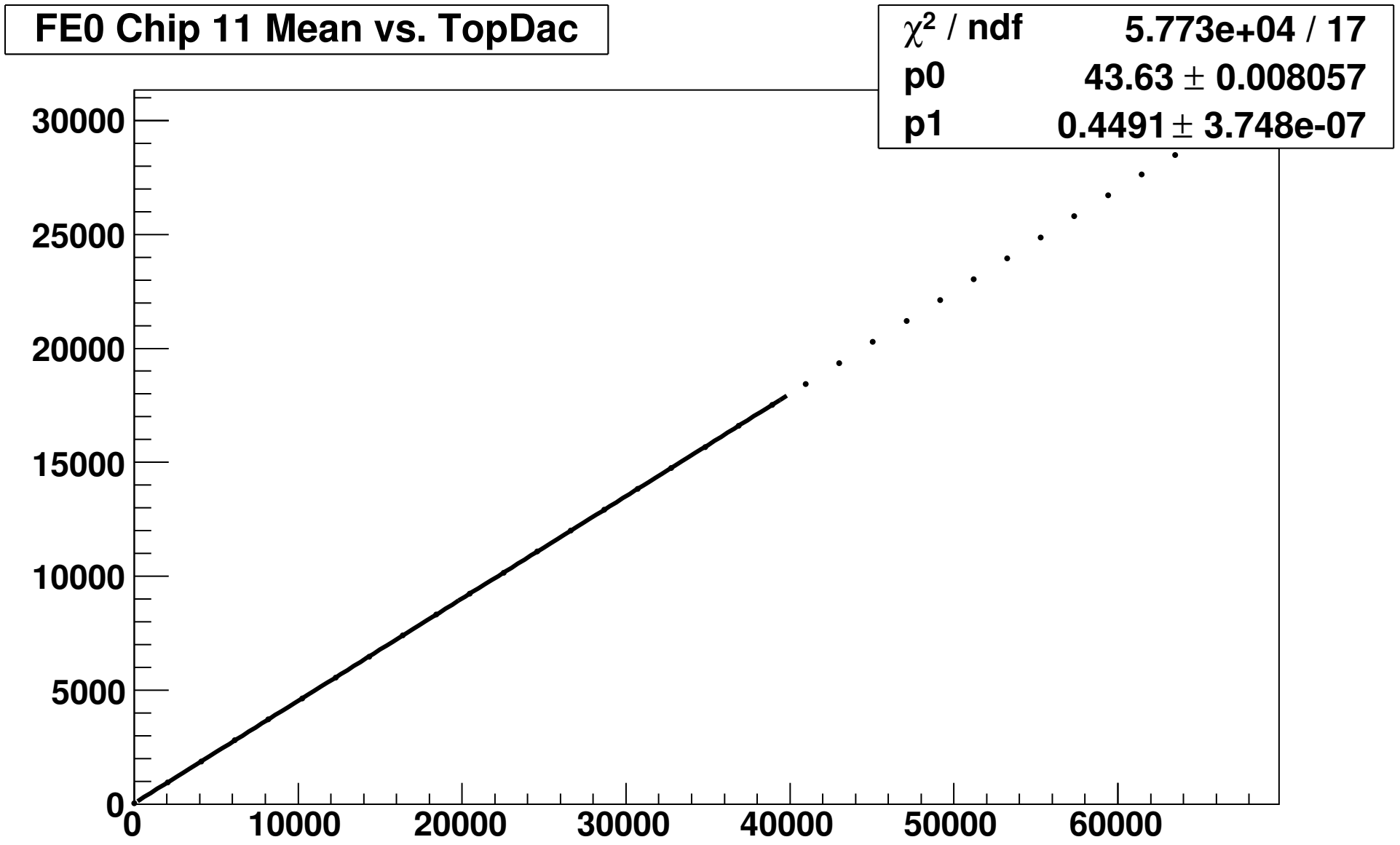

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 20.01 / 17
p0 1.464 ± 0.003859
p1 1.85e-06 ± 4.232e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

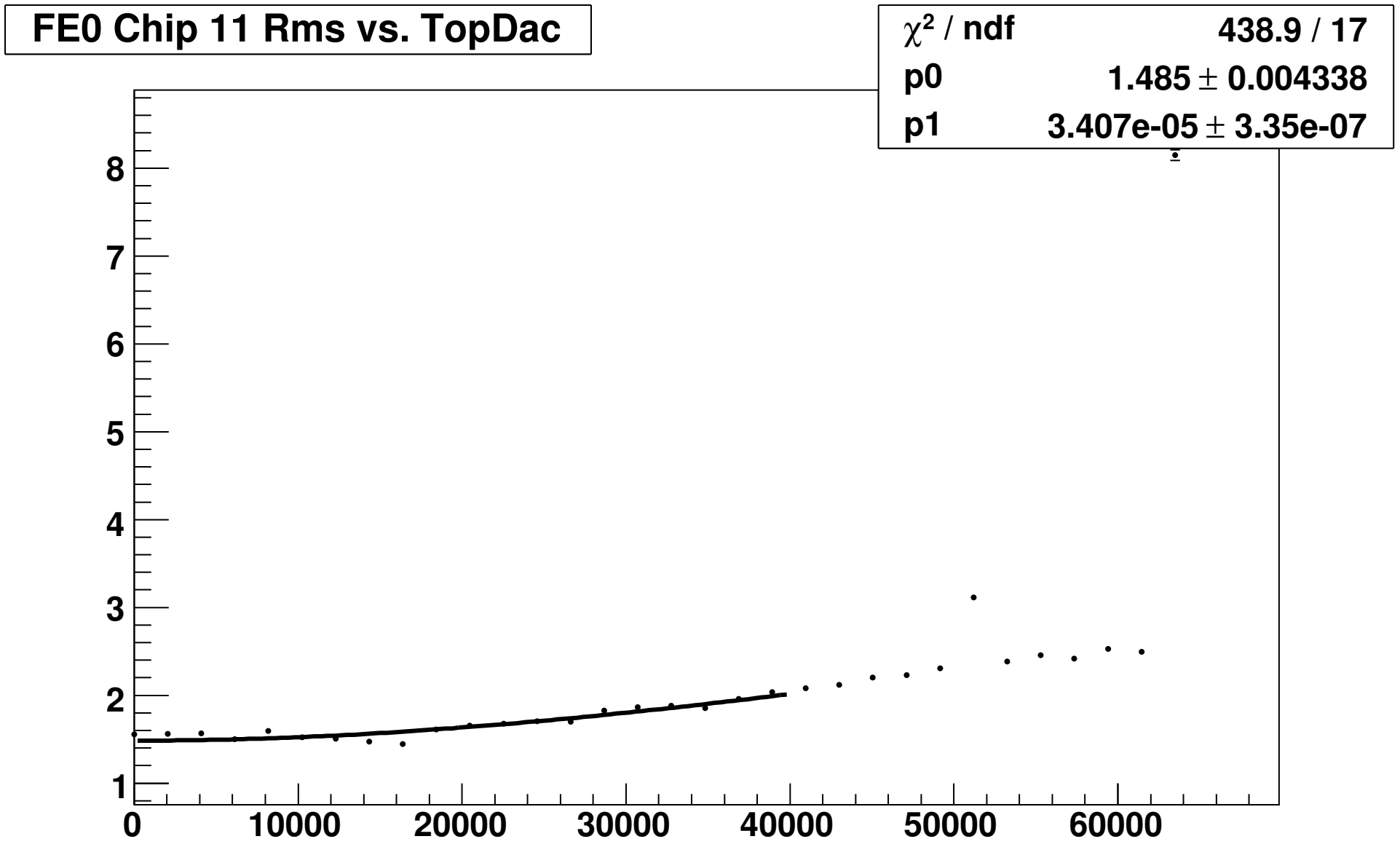

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 6.874e+04 / 17
p0 41.39 ± 0.007641
p1 0.4491 ± 3.595e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

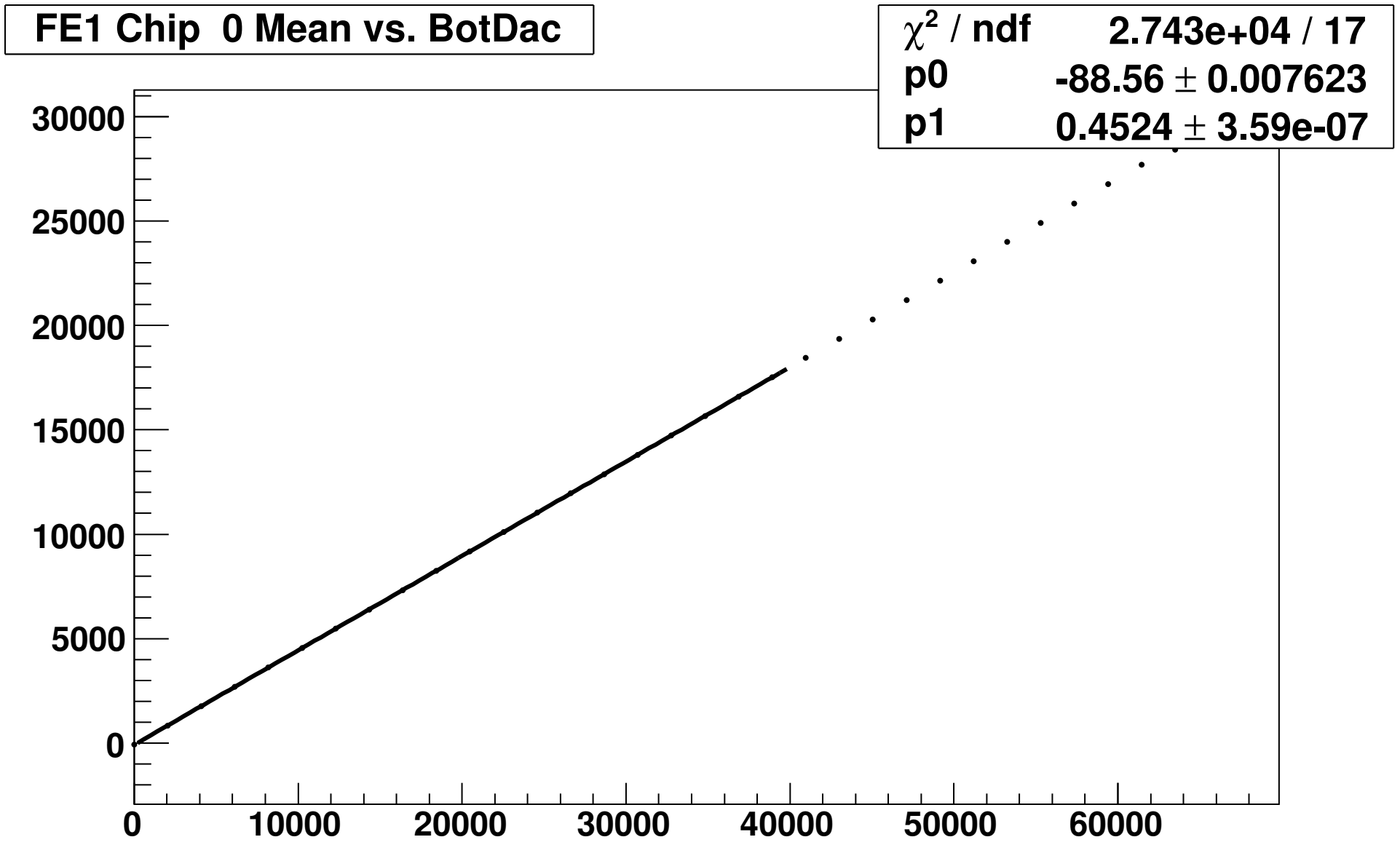

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 871.7 / 17
p0 1.377 ± 0.004098
p1 3.442e-05 ± 3.007e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

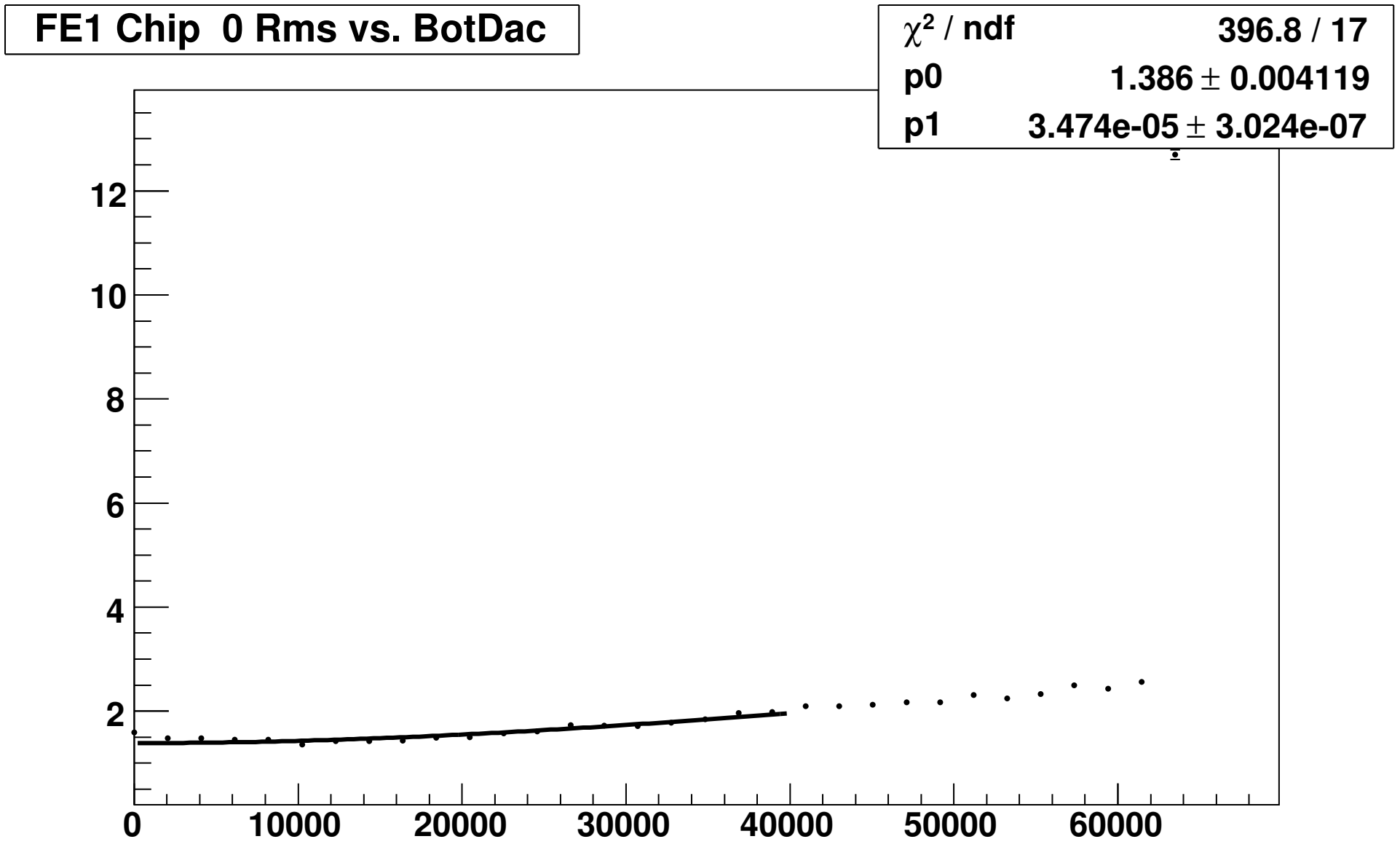

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 60.58 / 17
p0 41.5 ± 0.007694
p1 -8.846e-07 ± 3.292e-07
41.55
41.5
41.45
41.4
41.35
0
10000
20000
30000
40000
50000
60000

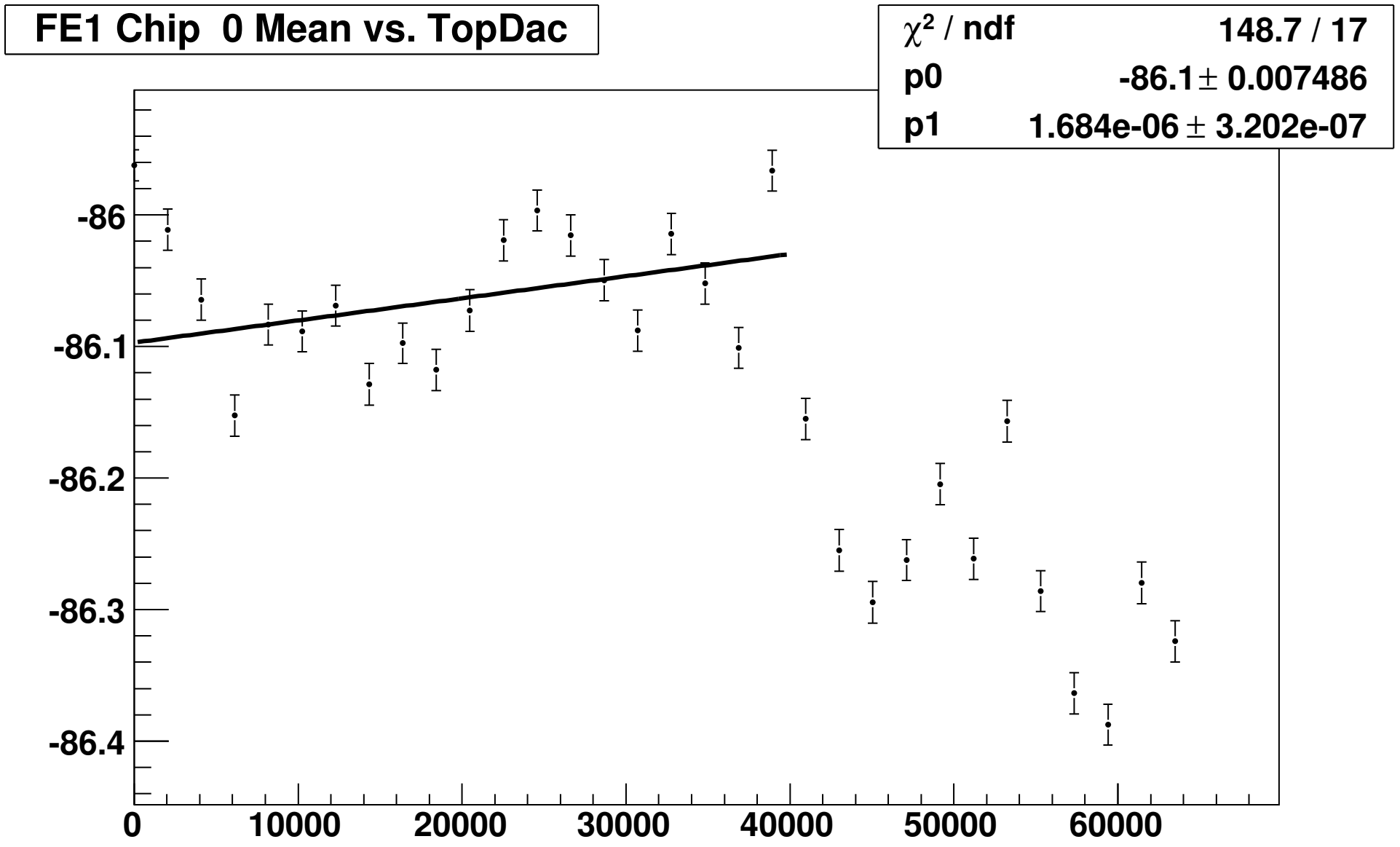

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 31.71 / 17
p0 1.52 ± 0.002626
p1 -8.114e-15 ± 3.647e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

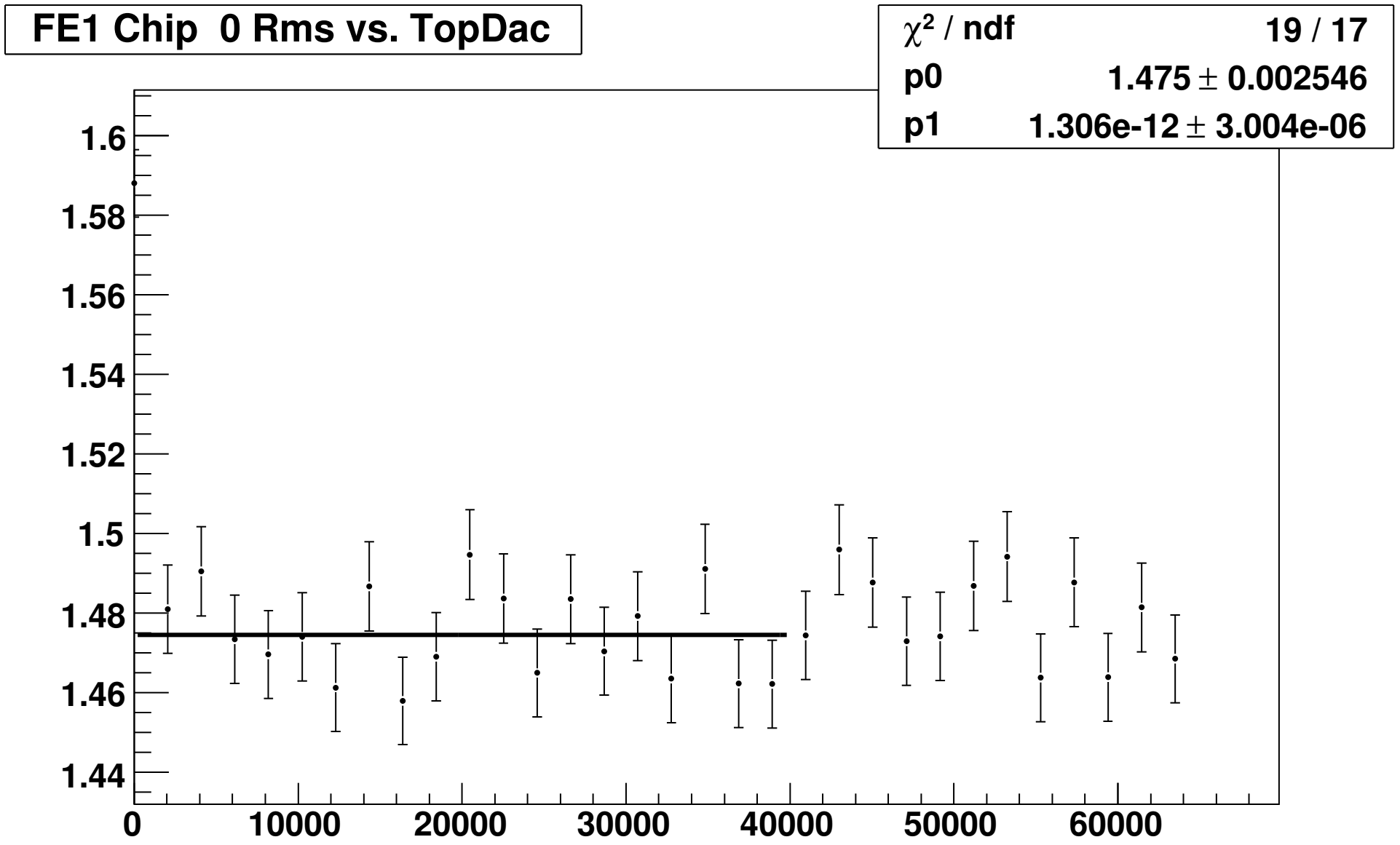

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 5.773e+04 / 17
p0 43.63 ± 0.008057
p1 0.4491 ± 3.748e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

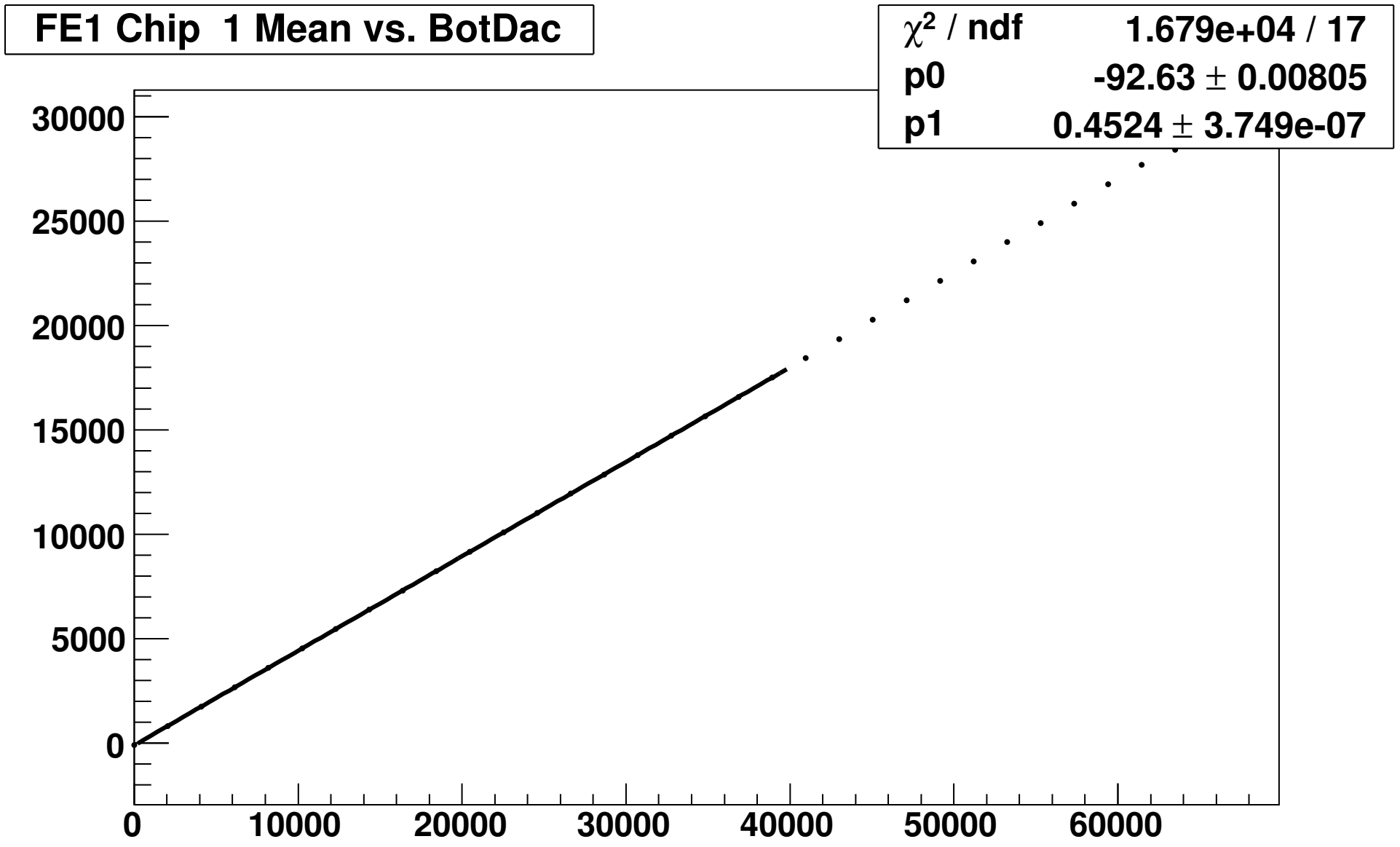

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 438.9 / 17
p0 1.485 ± 0.004338
p1 3.407e-05 ± 3.35e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

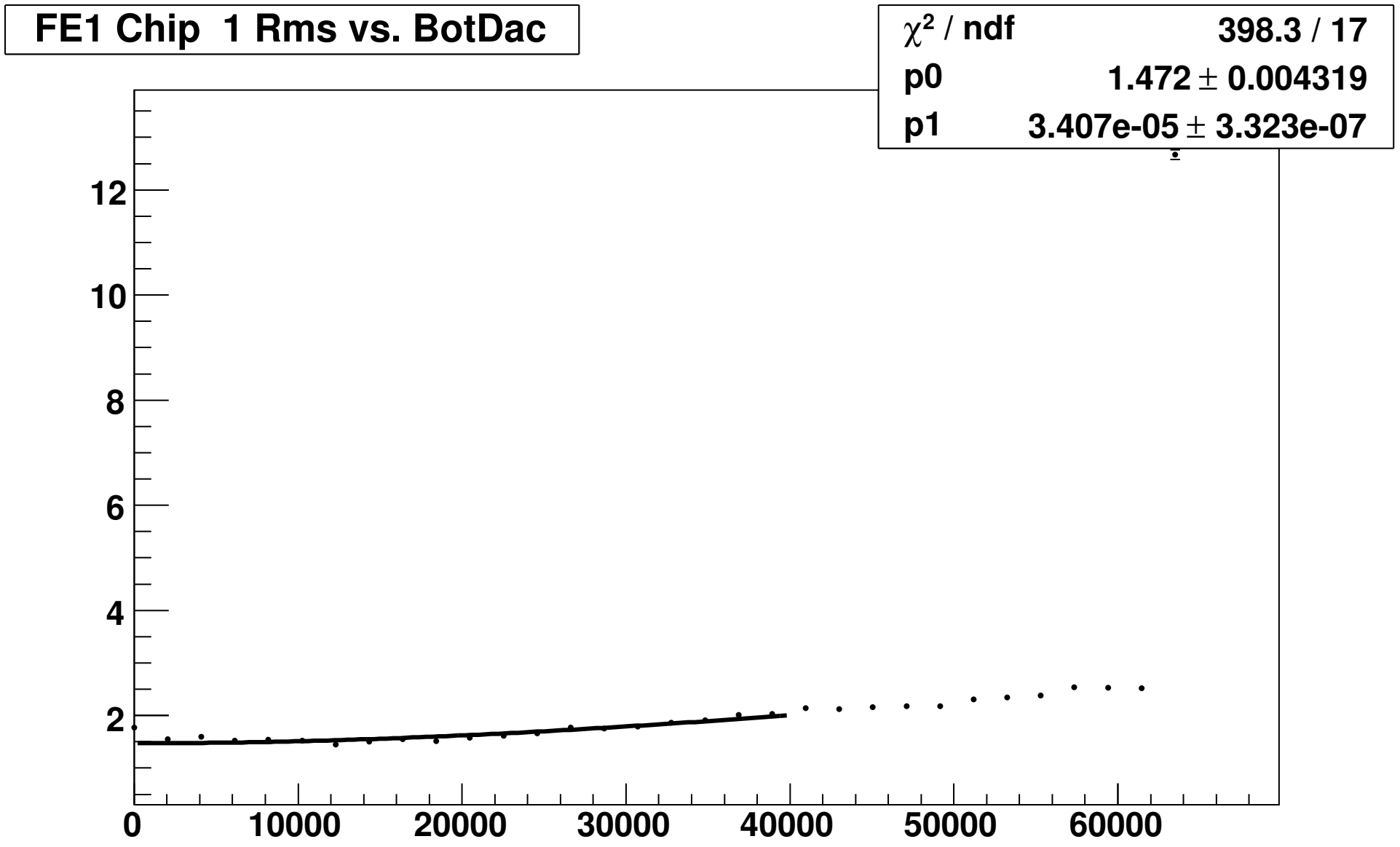

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 2.743e+04 / 17
p0 -88.56 ± 0.007623
p1 0.4524 ± 3.59e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

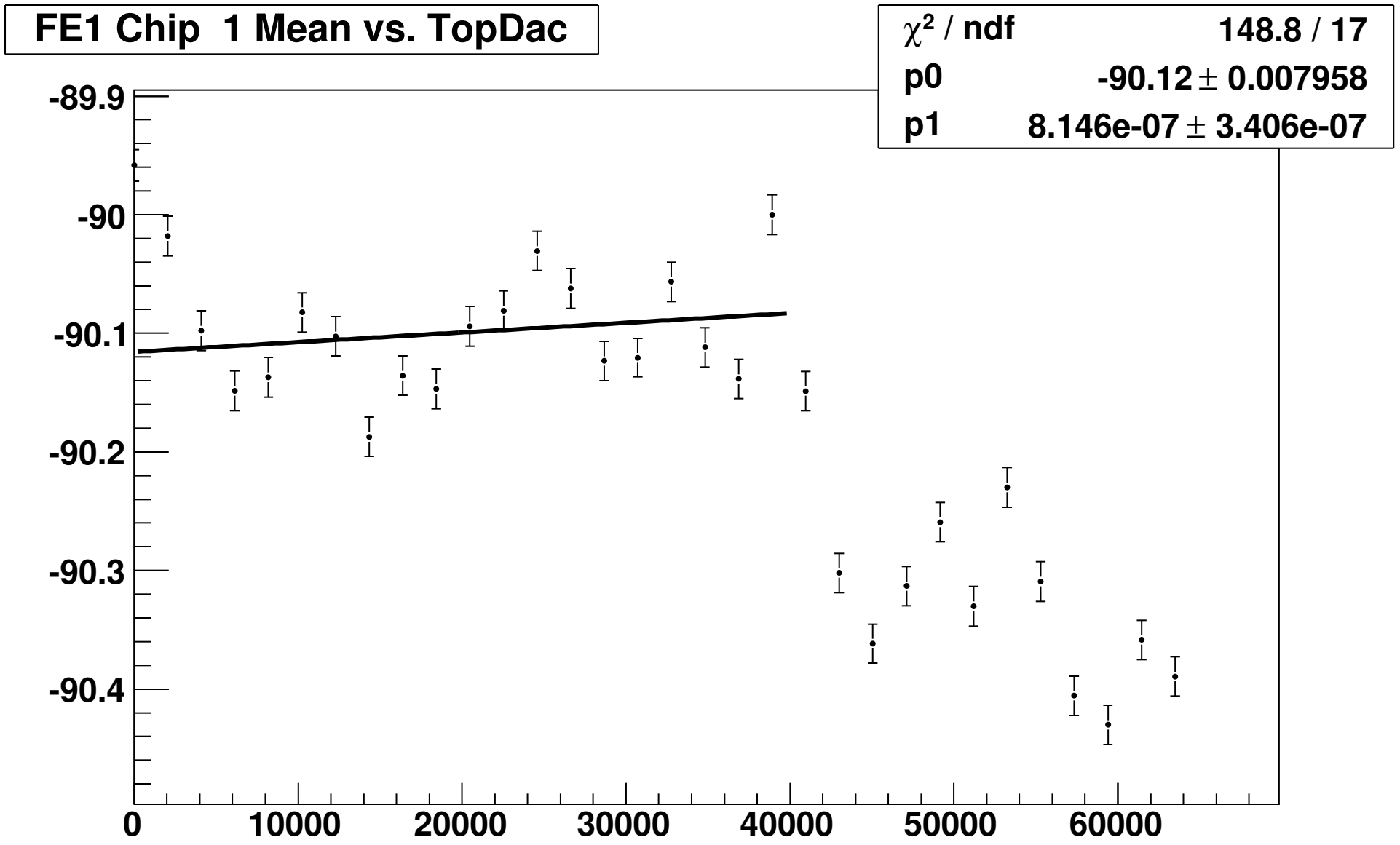

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 396.8 / 17
p0 1.386 ± 0.004119
p1 3.474e-05 ± 3.024e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 148.7 / 17
p0 -86.1 ± 0.007486
p1 1.684e-06 ± 3.202e-07
-86
-86.1
-86.2
-86.3
-86.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 19 / 17
p0 1.475 ± 0.002546
p1 1.306e-12 ± 3.004e-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


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 1.679e+04 / 17
p0 -92.63 ± 0.00805
p1 0.4524 ± 3.749e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 398.3 / 17
p0 1.472 ± 0.004319
p1 3.407e-05 ± 3.323e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 148.8 / 17
p0 -90.12 ± 0.007958
p1 8.146e-07 ± 3.406e-07
-89.9
-90
-90.1
-90.2
-90.3
-90.4
0
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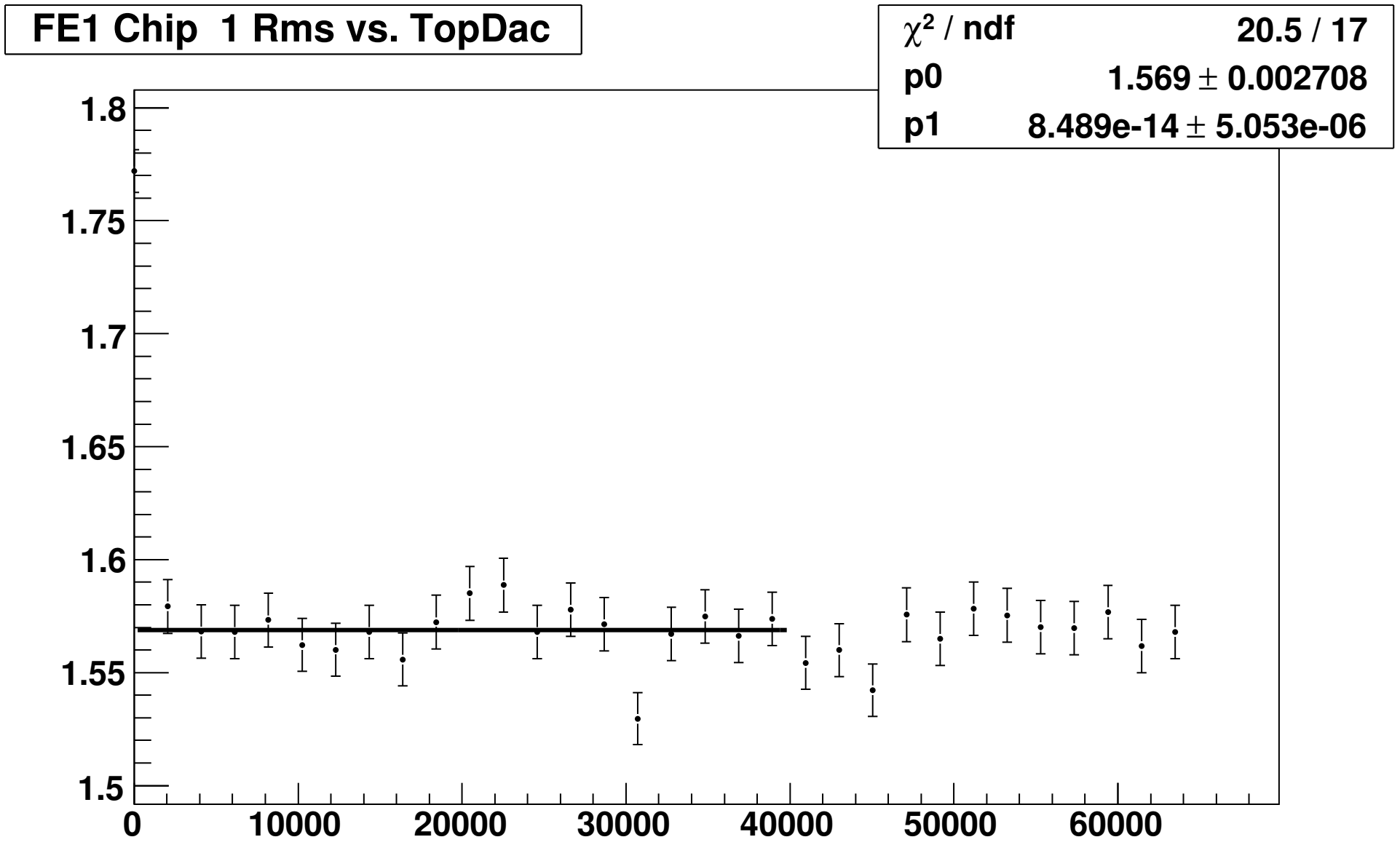
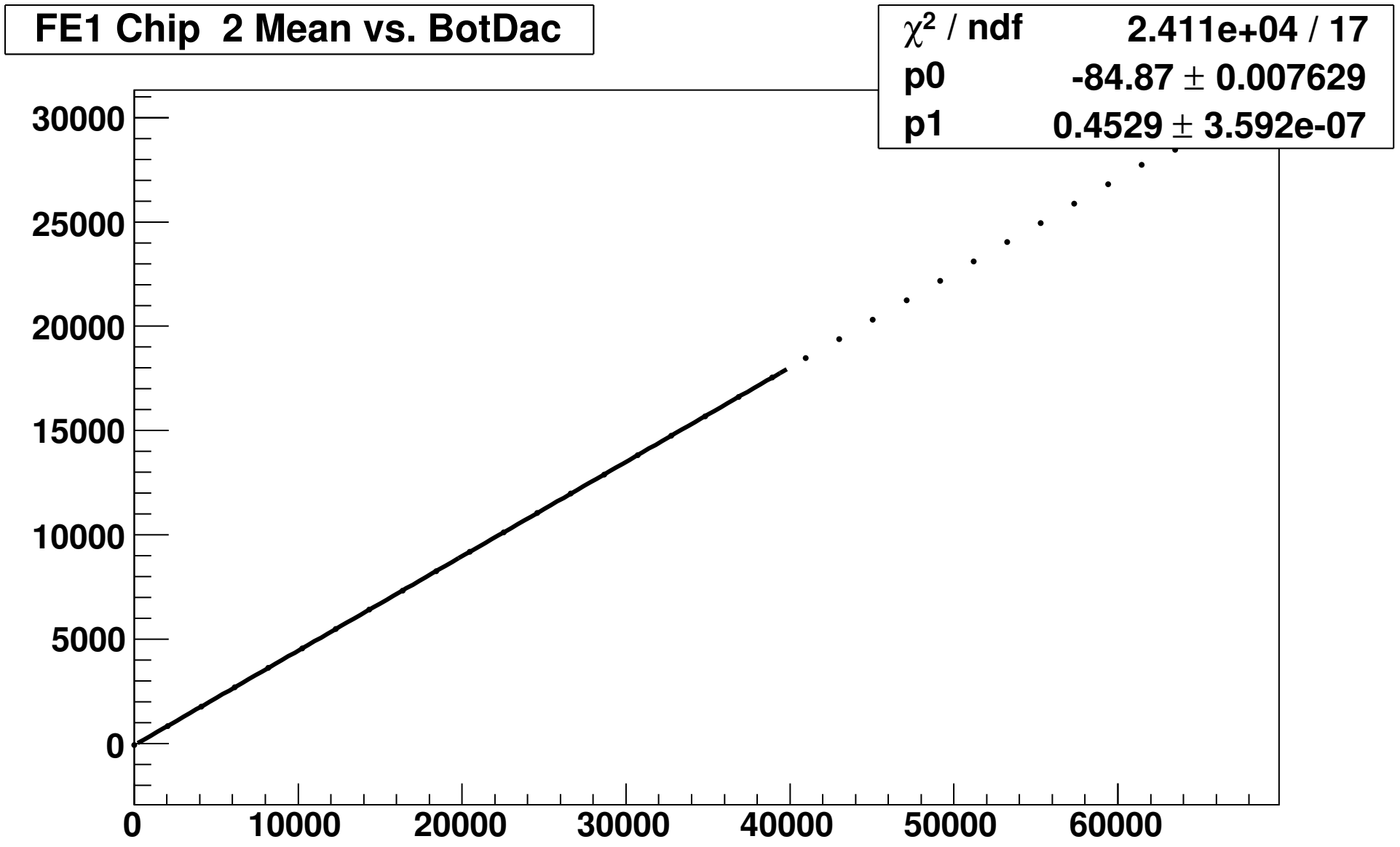
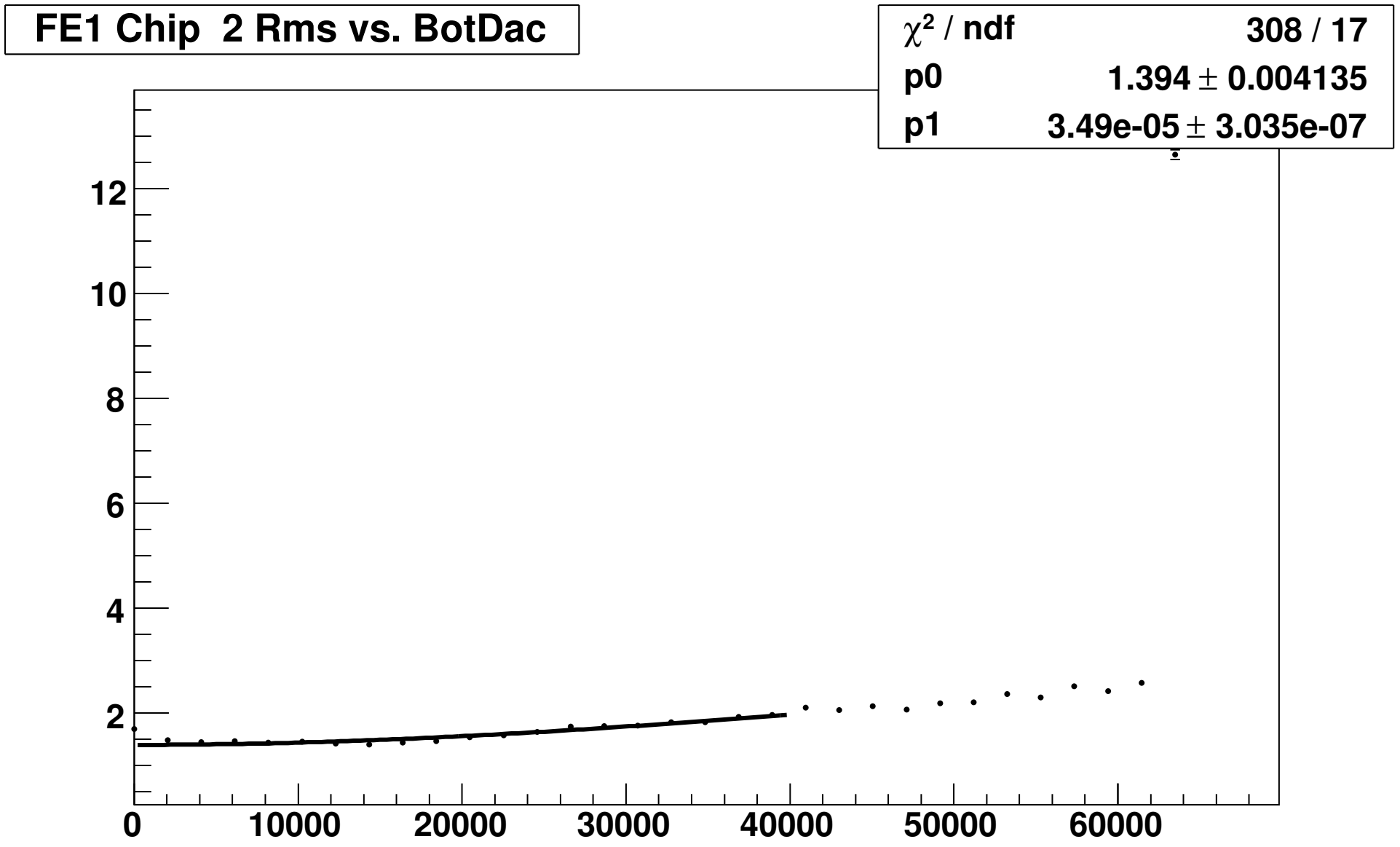
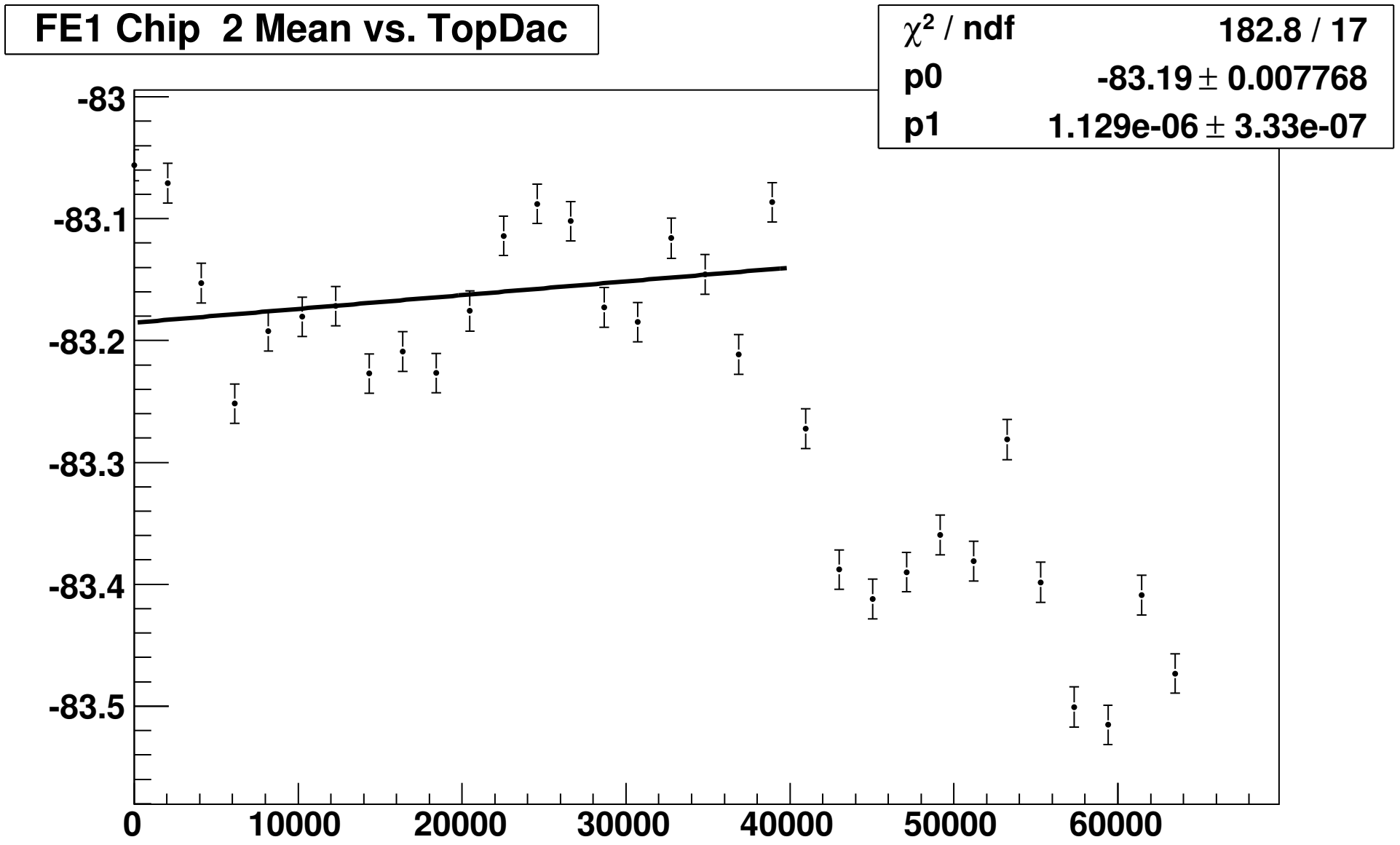
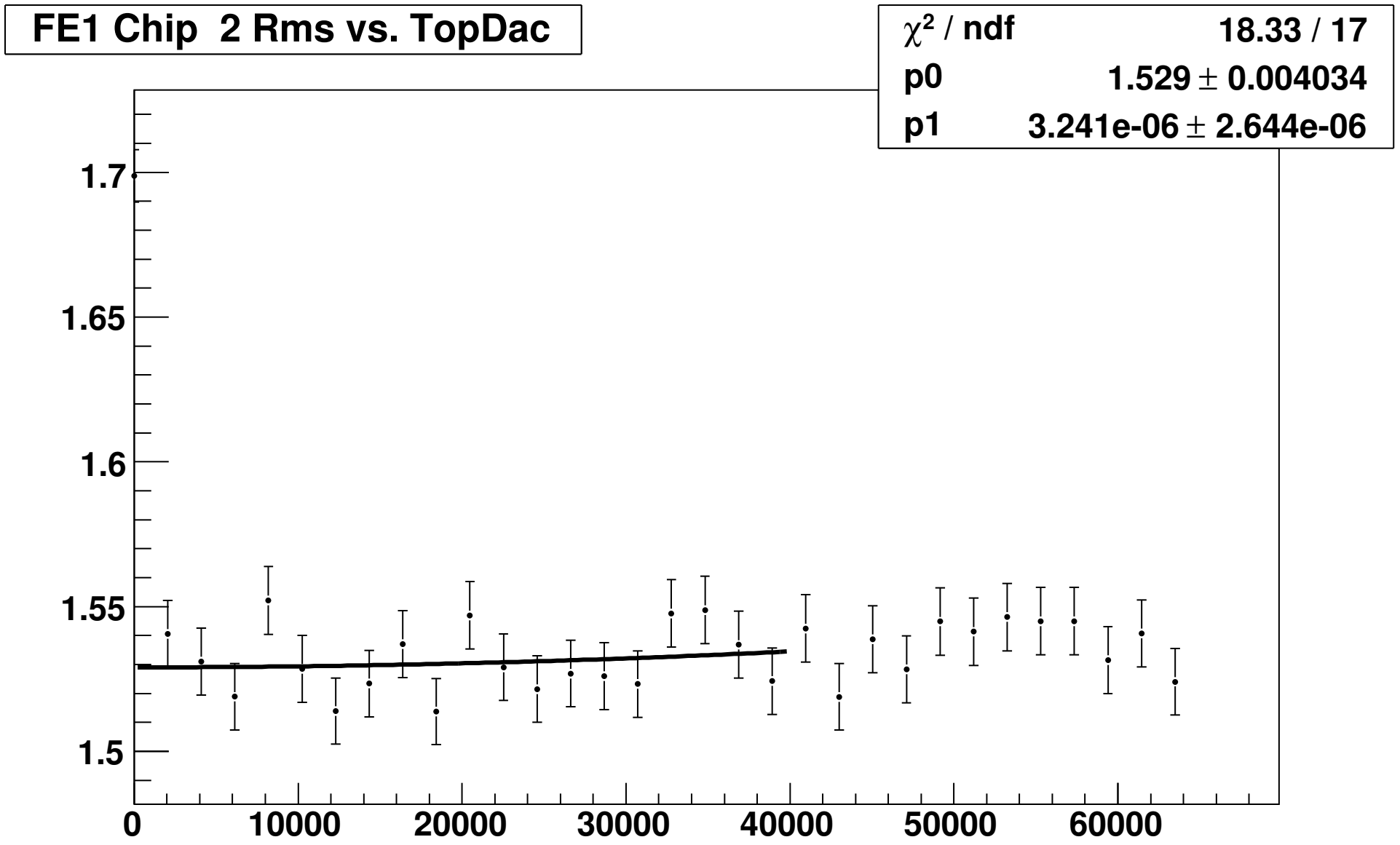
30000
40000
50000
60000

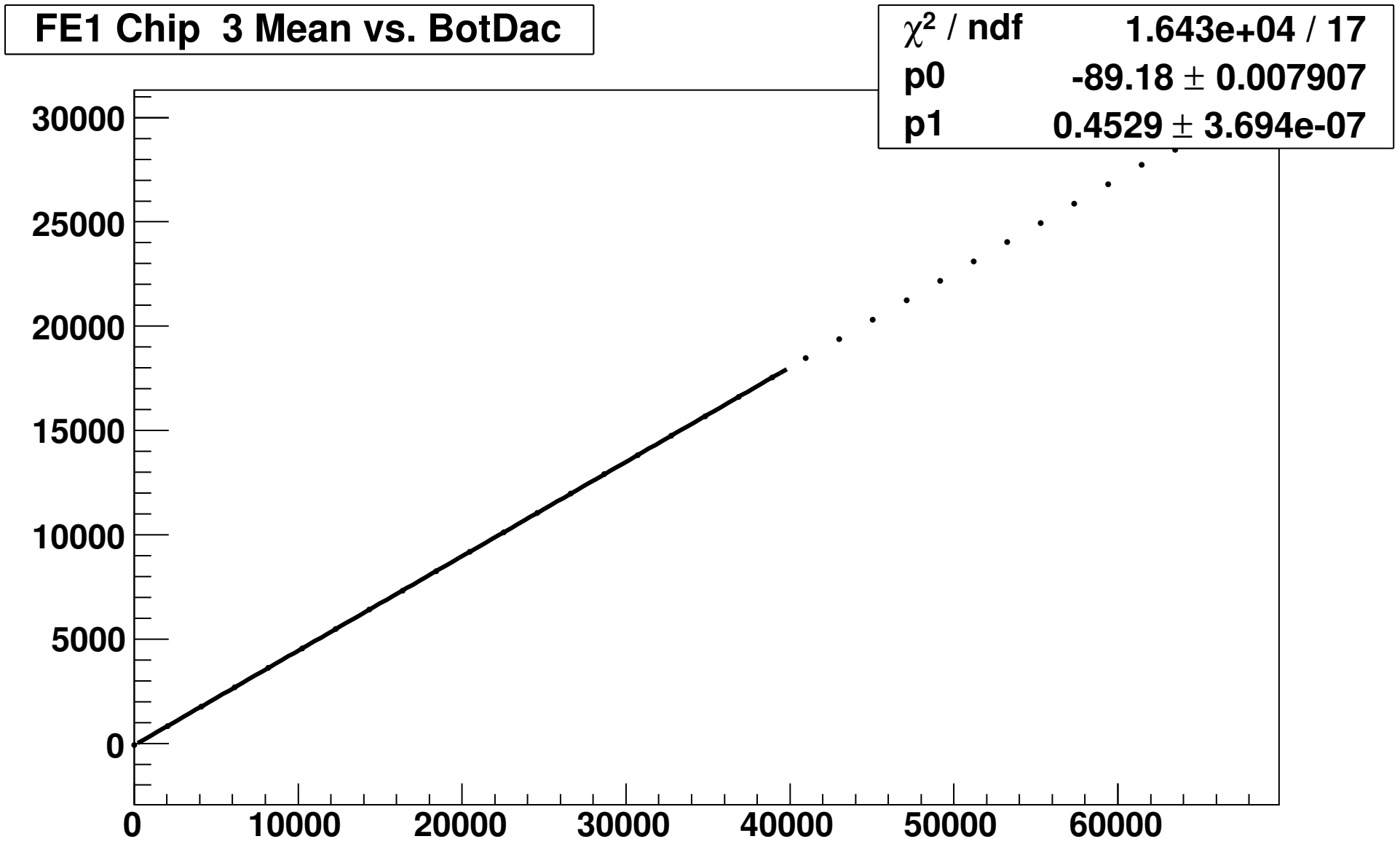

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 20.5 / 17
p0 1.569 ± 0.002708
p1 8.489e-14 ± 5.053e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

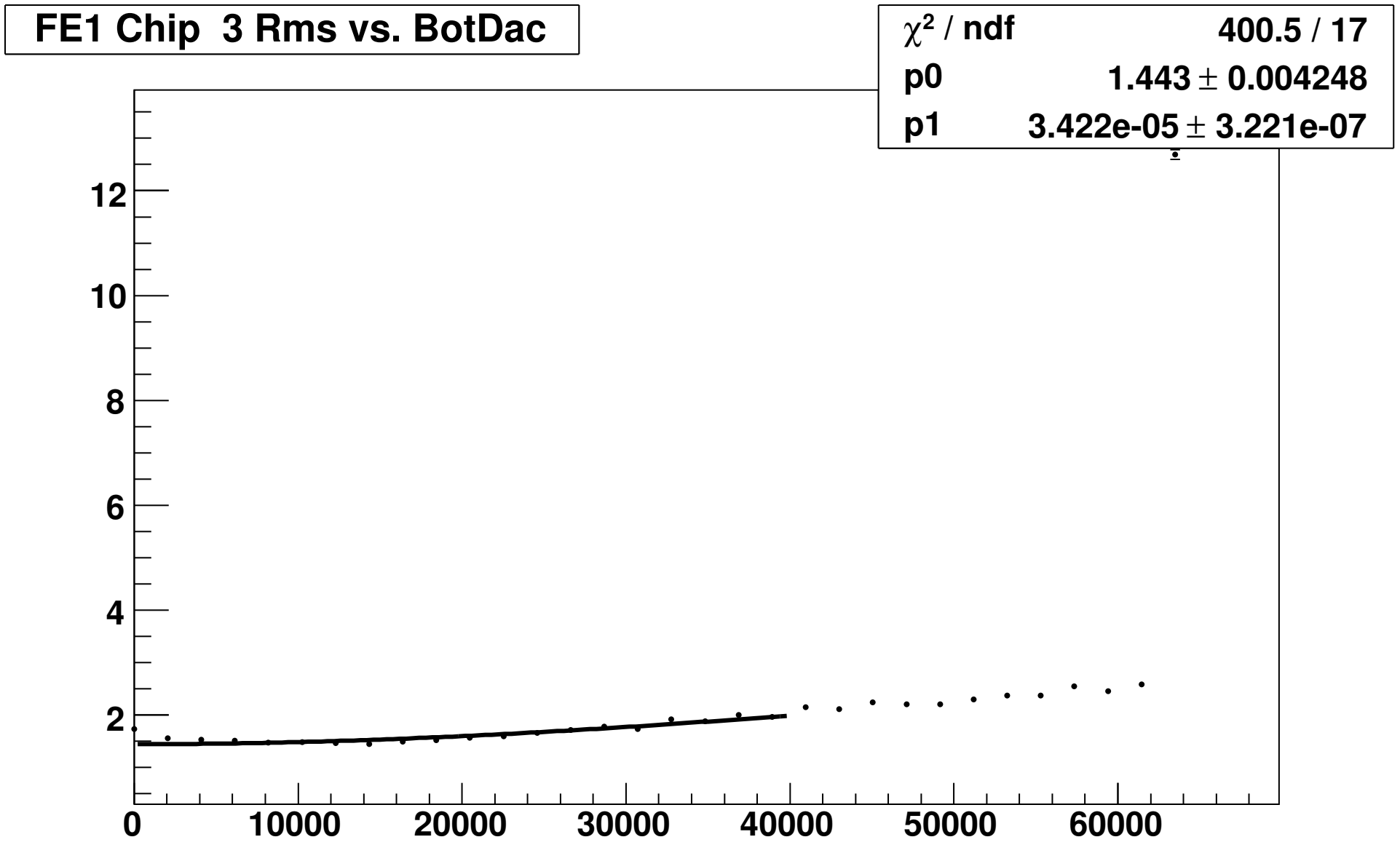

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 2.411e+04 / 17
p0 -84.87 ± 0.007629
p1 0.4529 ± 3.592e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

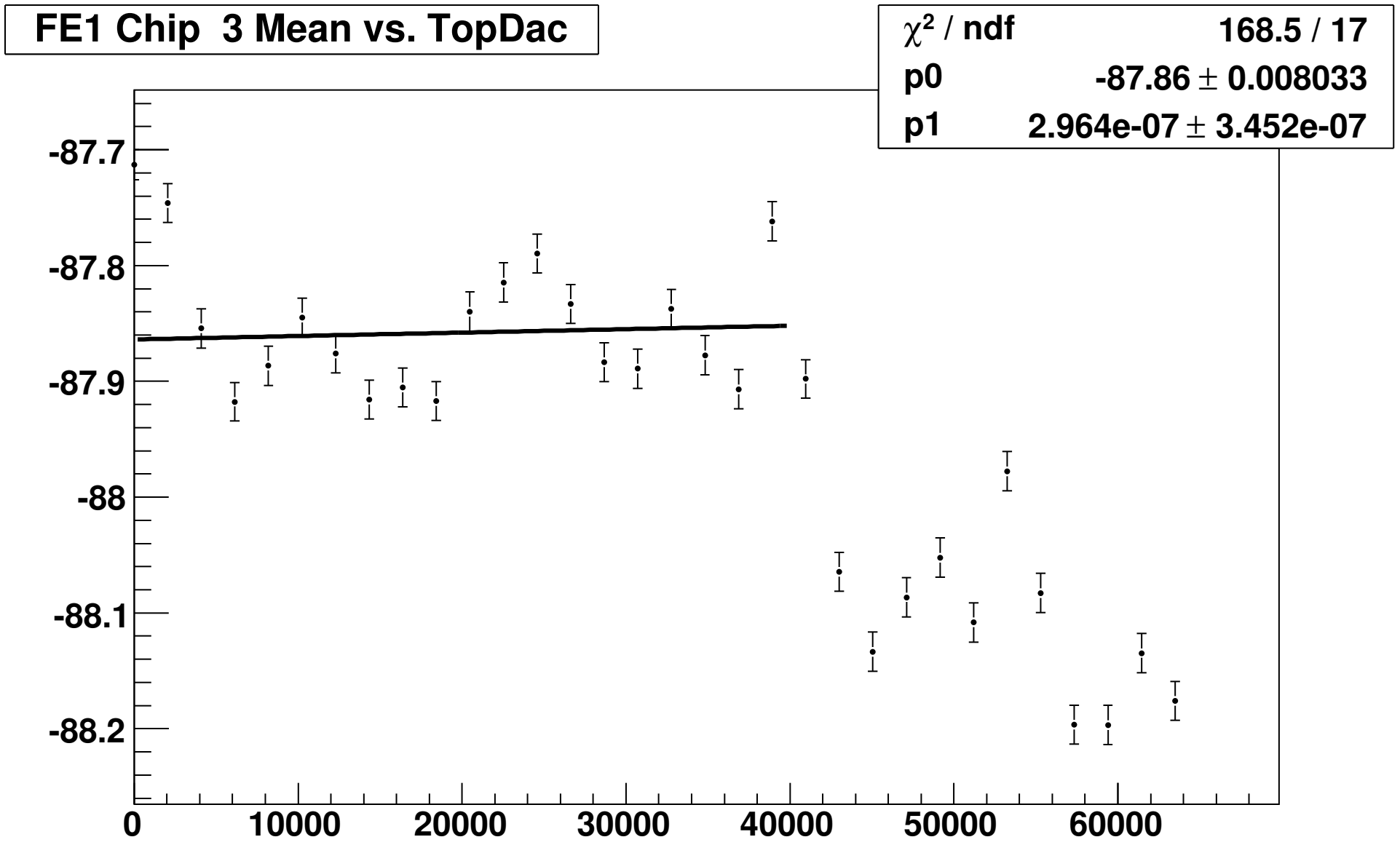

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 308 / 17
p0 1.394 ± 0.004135
p1 3.49e-05 ± 3.035e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

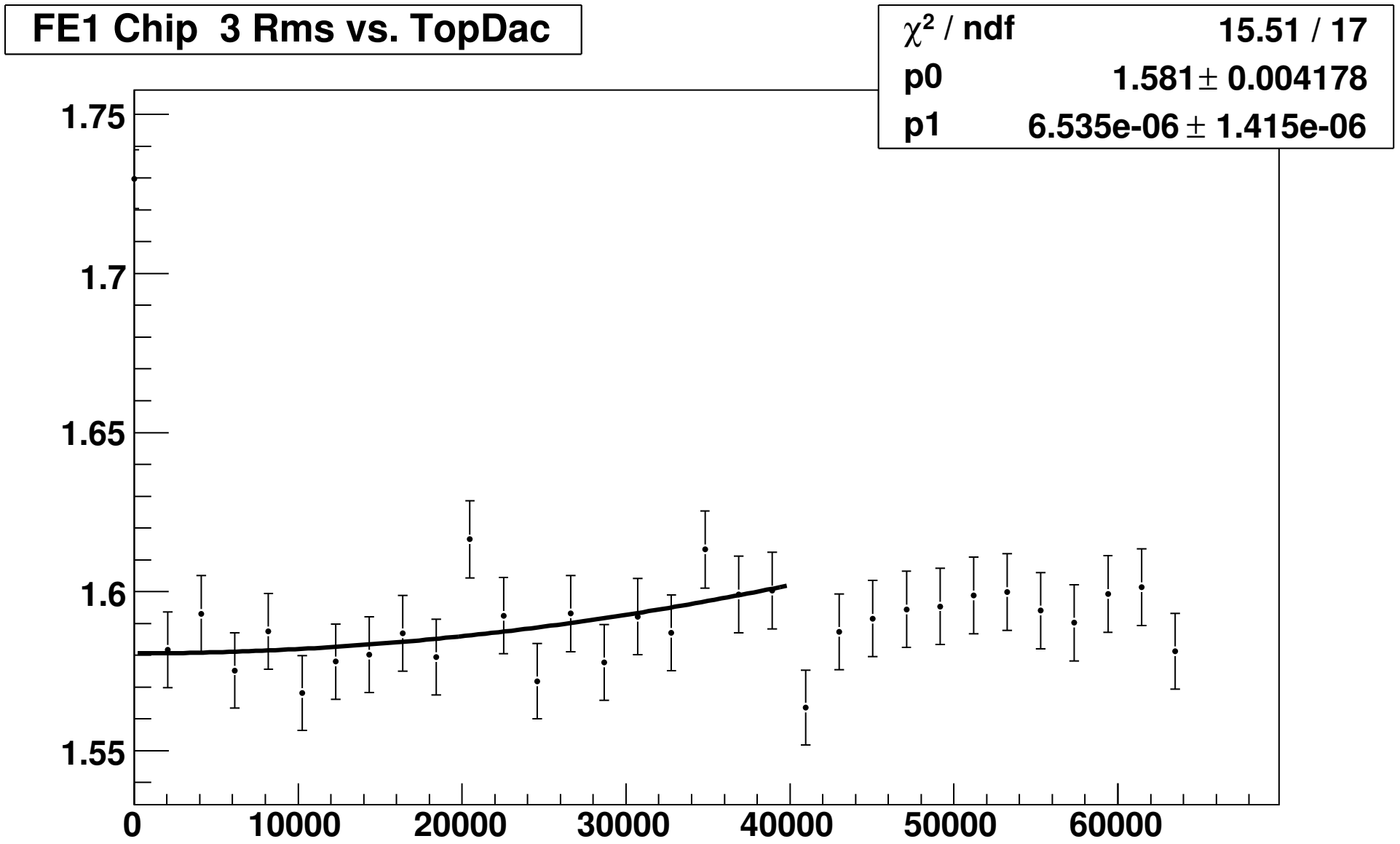

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 182.8 / 17
p0 -83.19 ± 0.007768
p1 1.129e-06 ± 3.33e-07
-83
-83.1
-83.2
-83.3
-83.4
-83.5
0
10000
20000
30000
40000
50000
60000

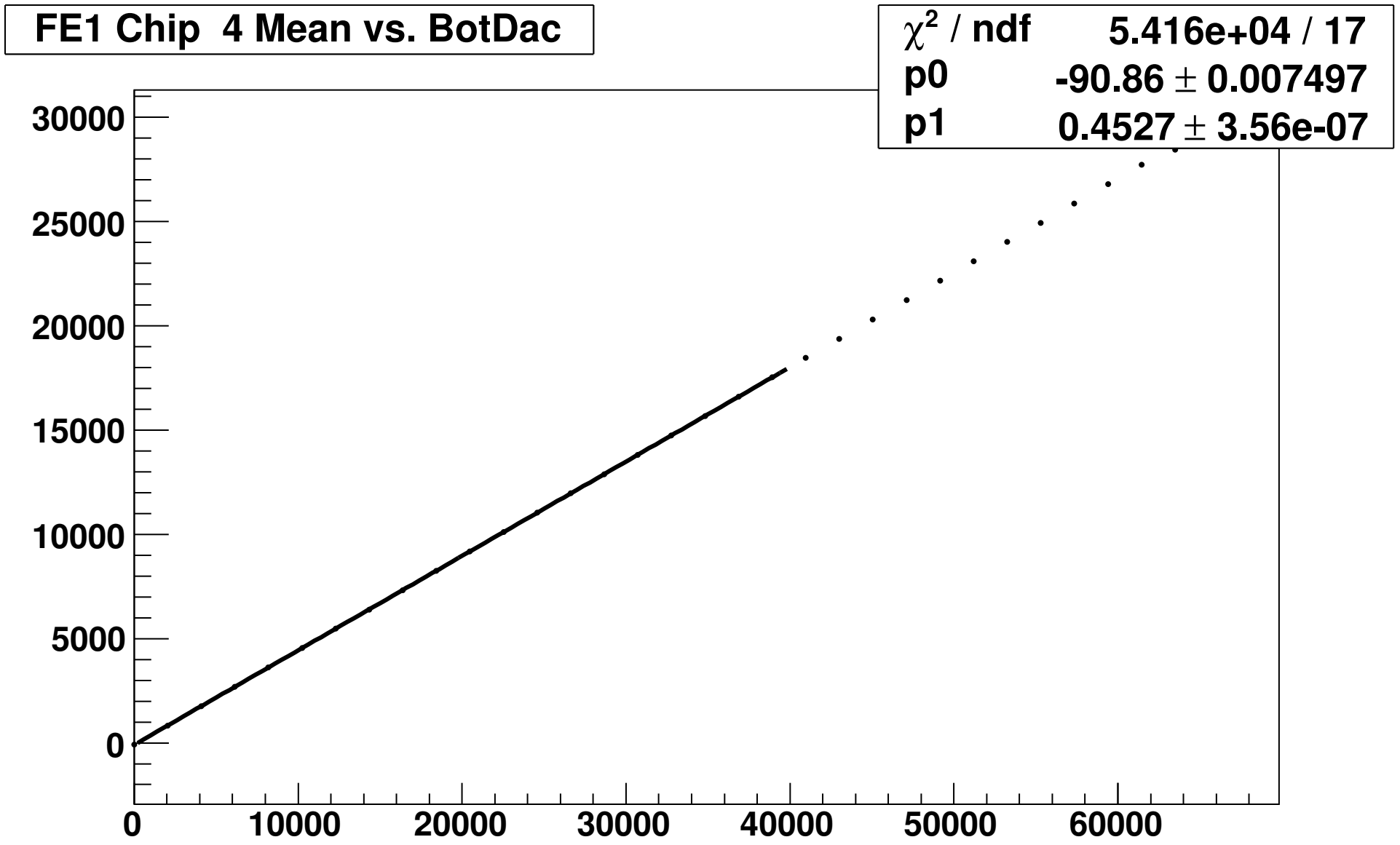

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 18.33 / 17
p0 1.529 ± 0.004034
p1 3.241e-06 ± 2.644e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000

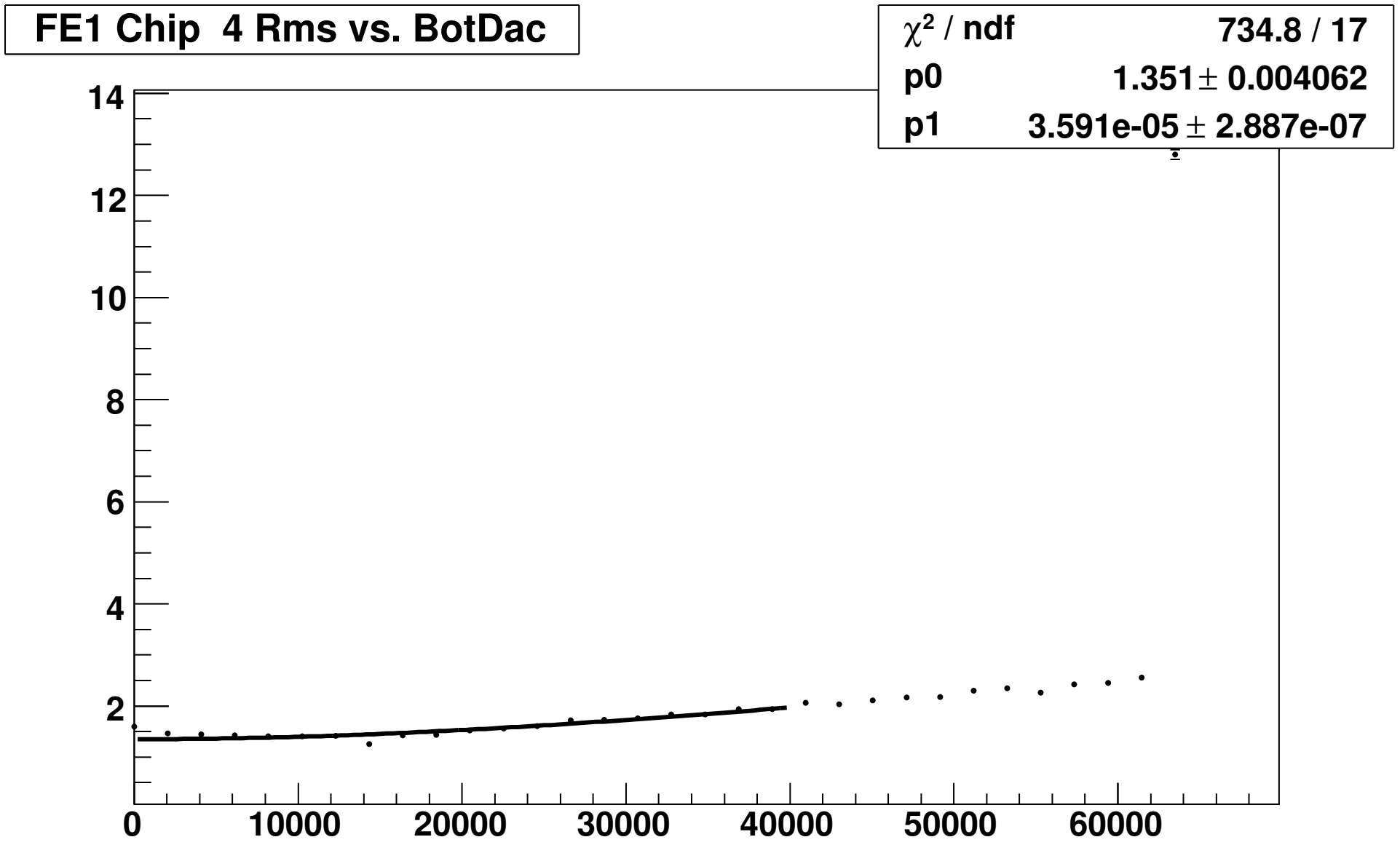

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 1.643e+04 / 17
p0 -89.18 ± 0.007907
p1 0.4529 ± 3.694e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

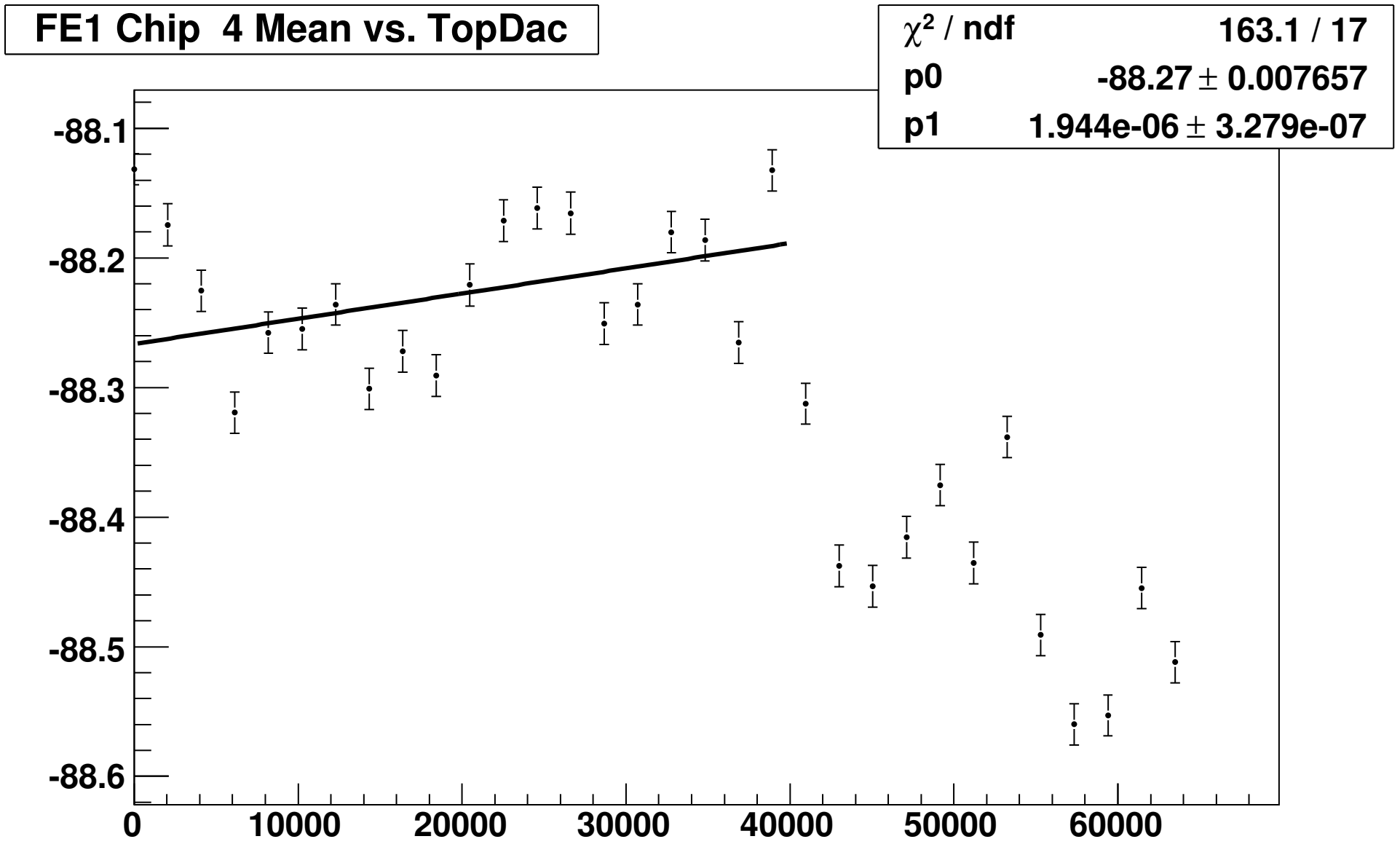

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 400.5 / 17
p0 1.443 ± 0.004248
p1 3.422e-05 ± 3.221e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

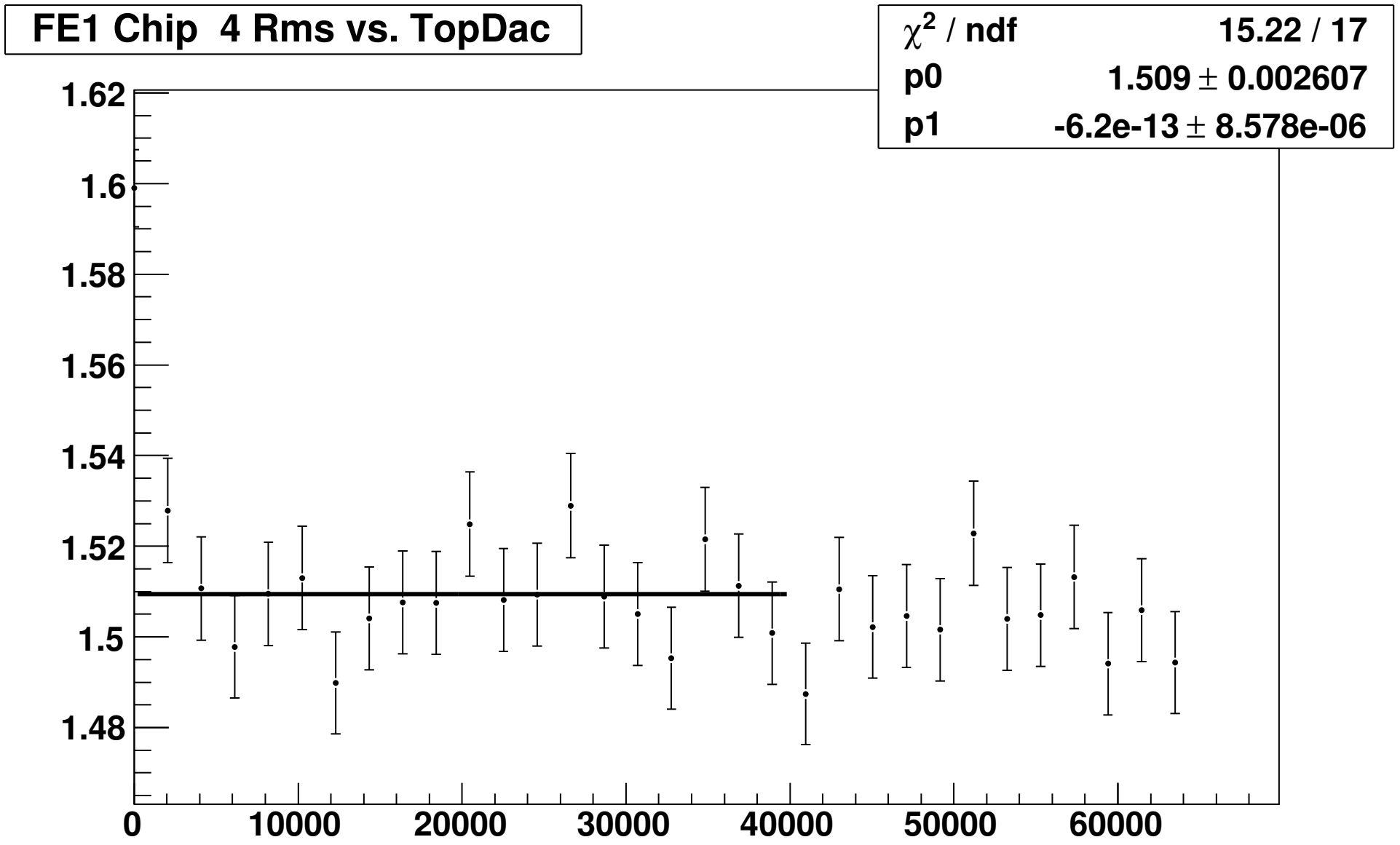

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 168.5 / 17
p0 -87.86 ± 0.008033
p1 2.964e-07 ± 3.452e-07
-87.7
-87.8
-87.9
-88
-88.1
-88.2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 15.51 / 17
p0 1.581 ± 0.004178
p1 6.535e-06 ± 1.415e-06
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 5.416e+04 / 17
p0 -90.86 ± 0.007497
p1 0.4527 ± 3.56e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 734.8 / 17
p0 1.351 ± 0.004062
p1 3.591e-05 ± 2.887e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 163.1 / 17
p0 -88.27 ± 0.007657
p1 1.944e-06 ± 3.279e-07
-88.1
-88.2
-88.3
-88.4
-88.5
-88.6
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 15.22 / 17
p0 1.509 ± 0.002607
p1 -6.2e-13 ± 8.578e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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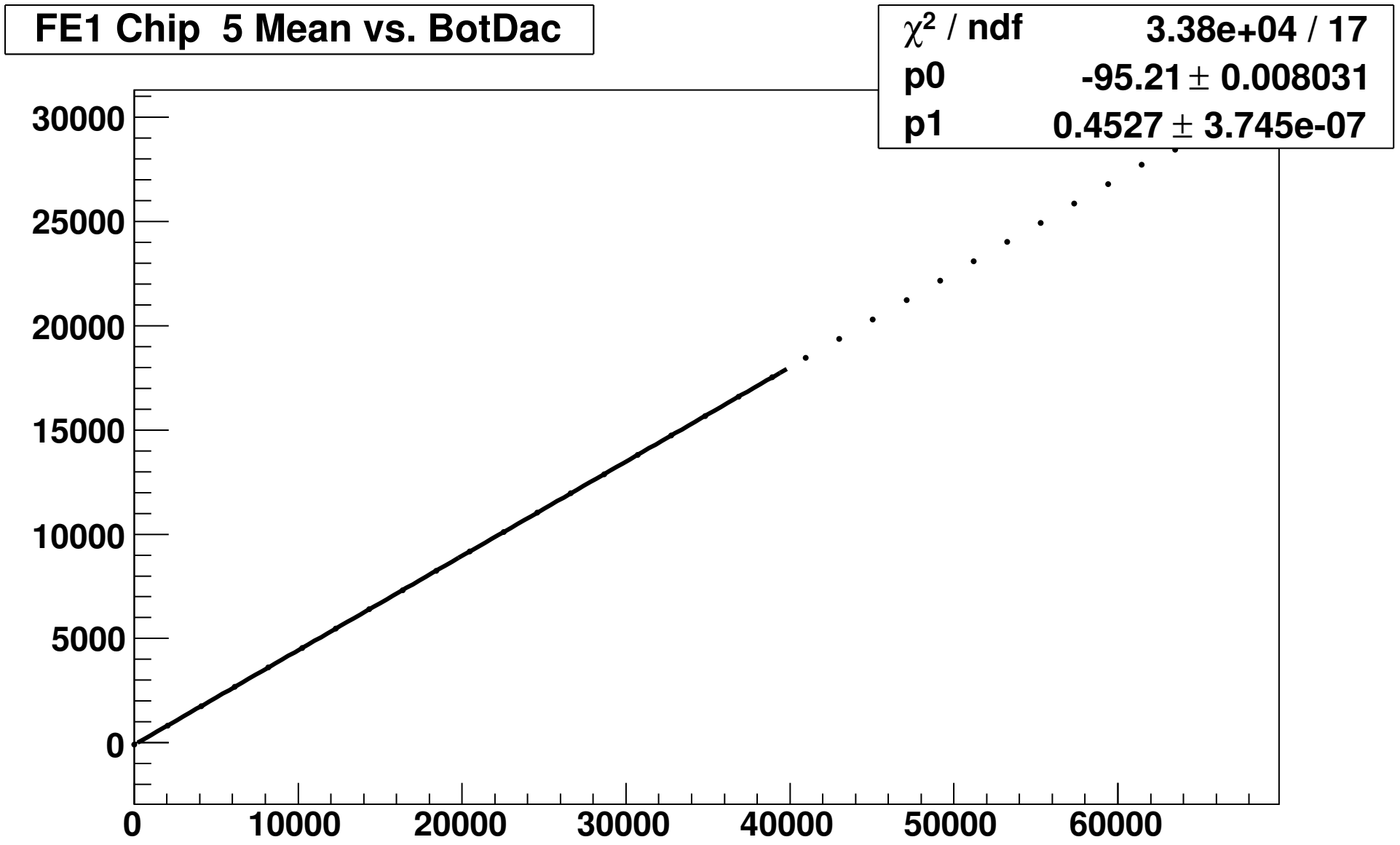
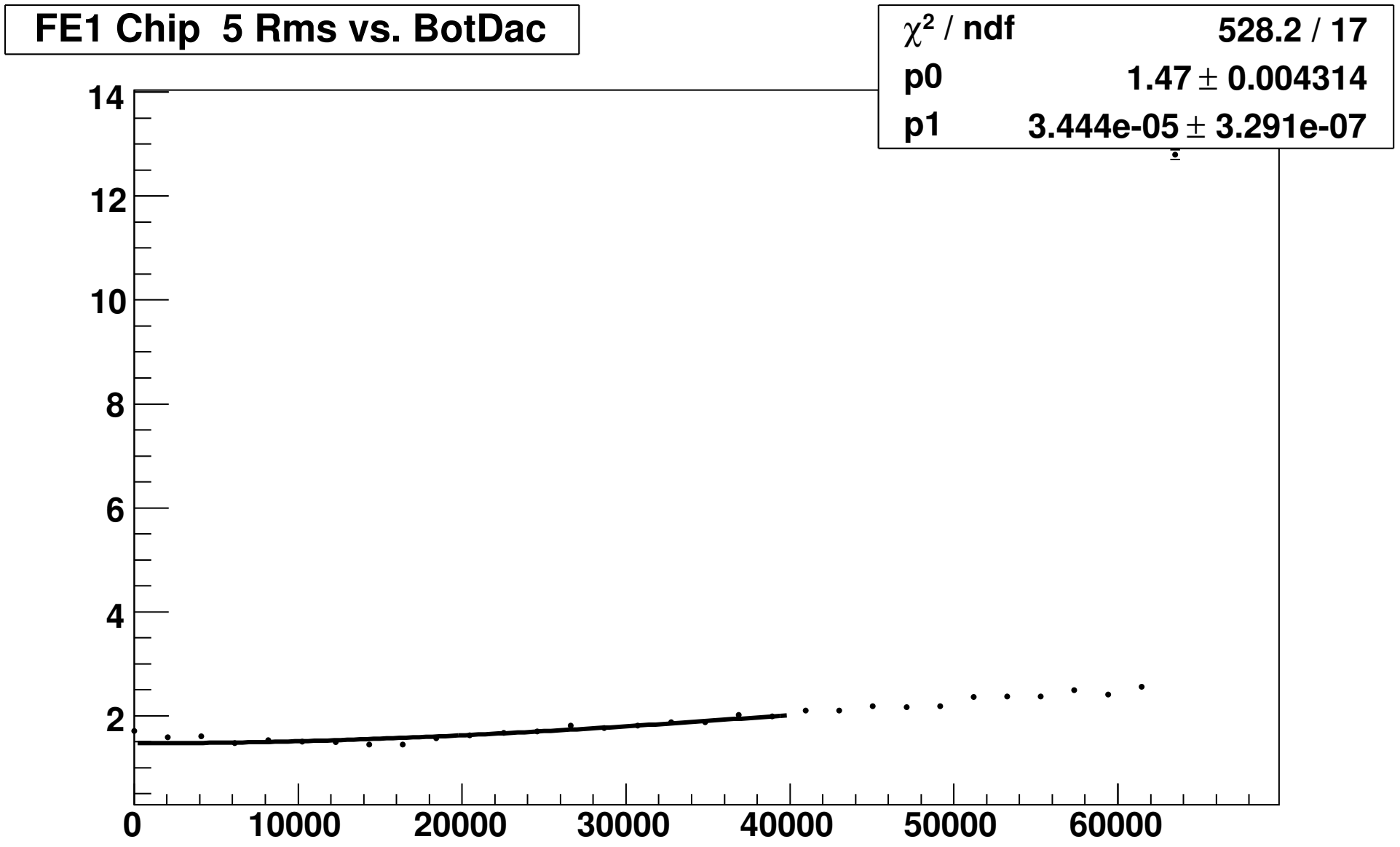
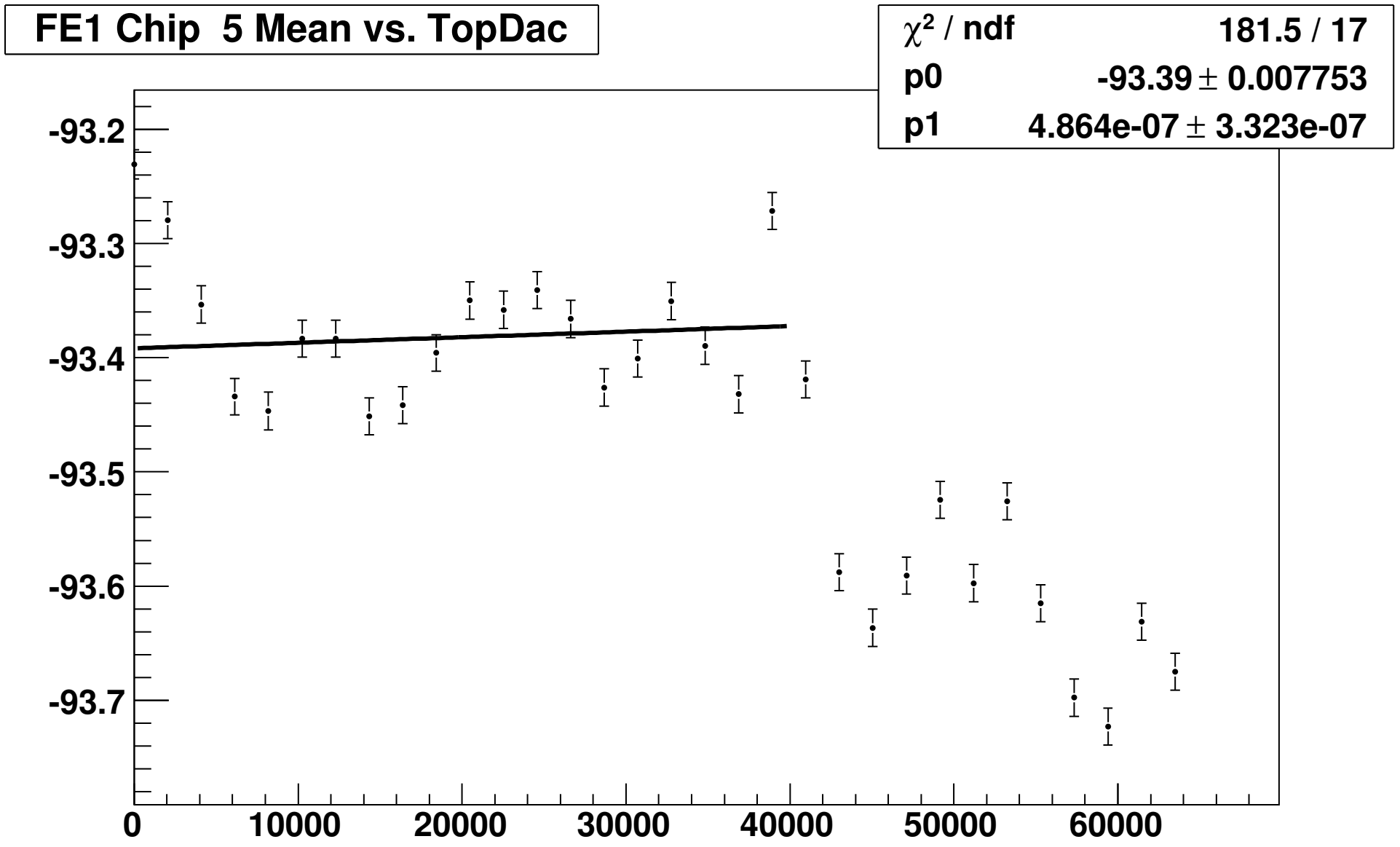

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 3.38e+04 / 17
p0 -95.21 ± 0.008031
p1 0.4527 ± 3.745e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 528.2 / 17
p0 1.47 ± 0.004314
p1 3.444e-05 ± 3.291e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 181.5 / 17
p0 -93.39 ± 0.007753
p1 4.864e-07 ± 3.323e-07
-93.2
-93.3
-93.4
-93.5
-93.6
-93.7
0
10000
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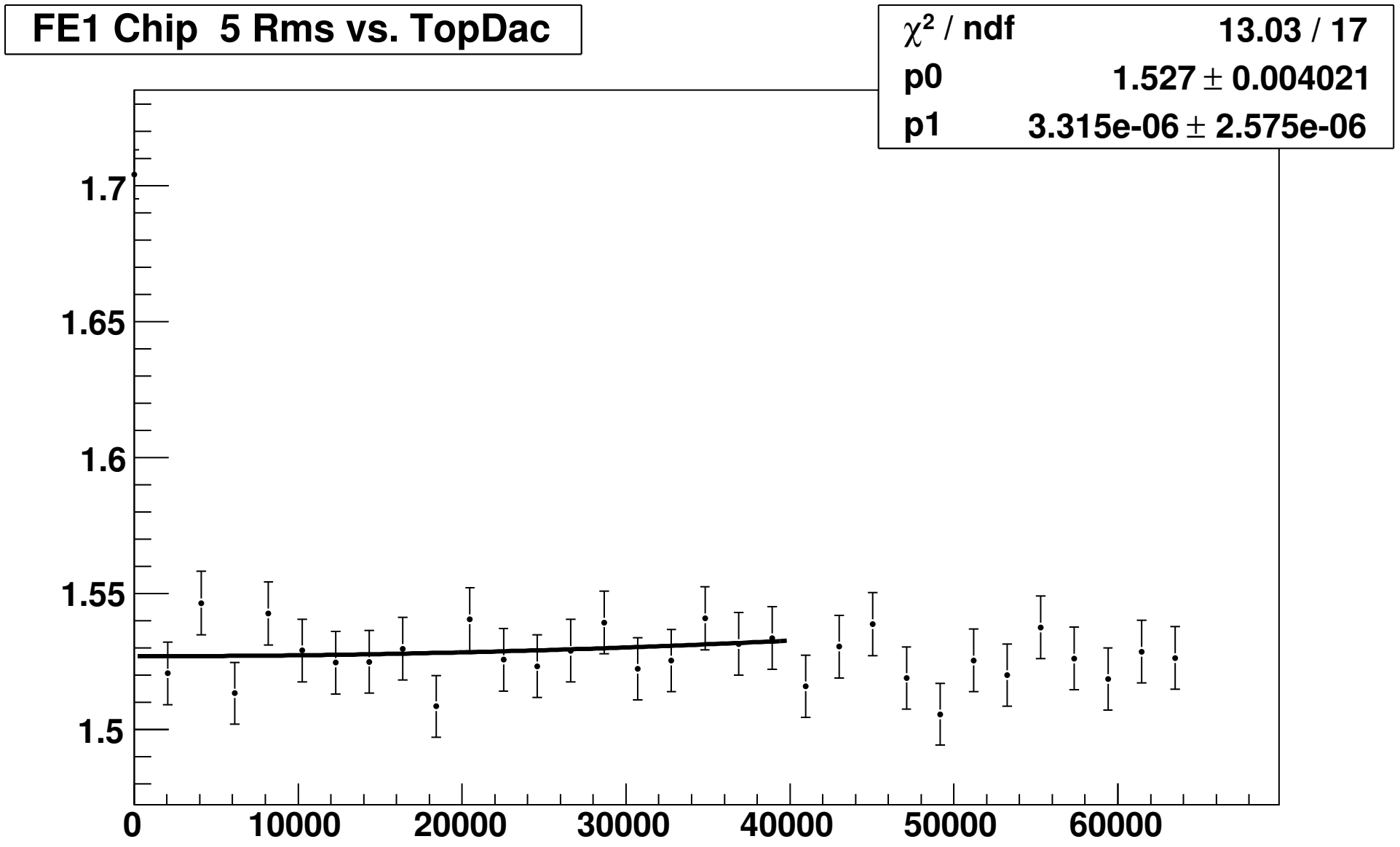
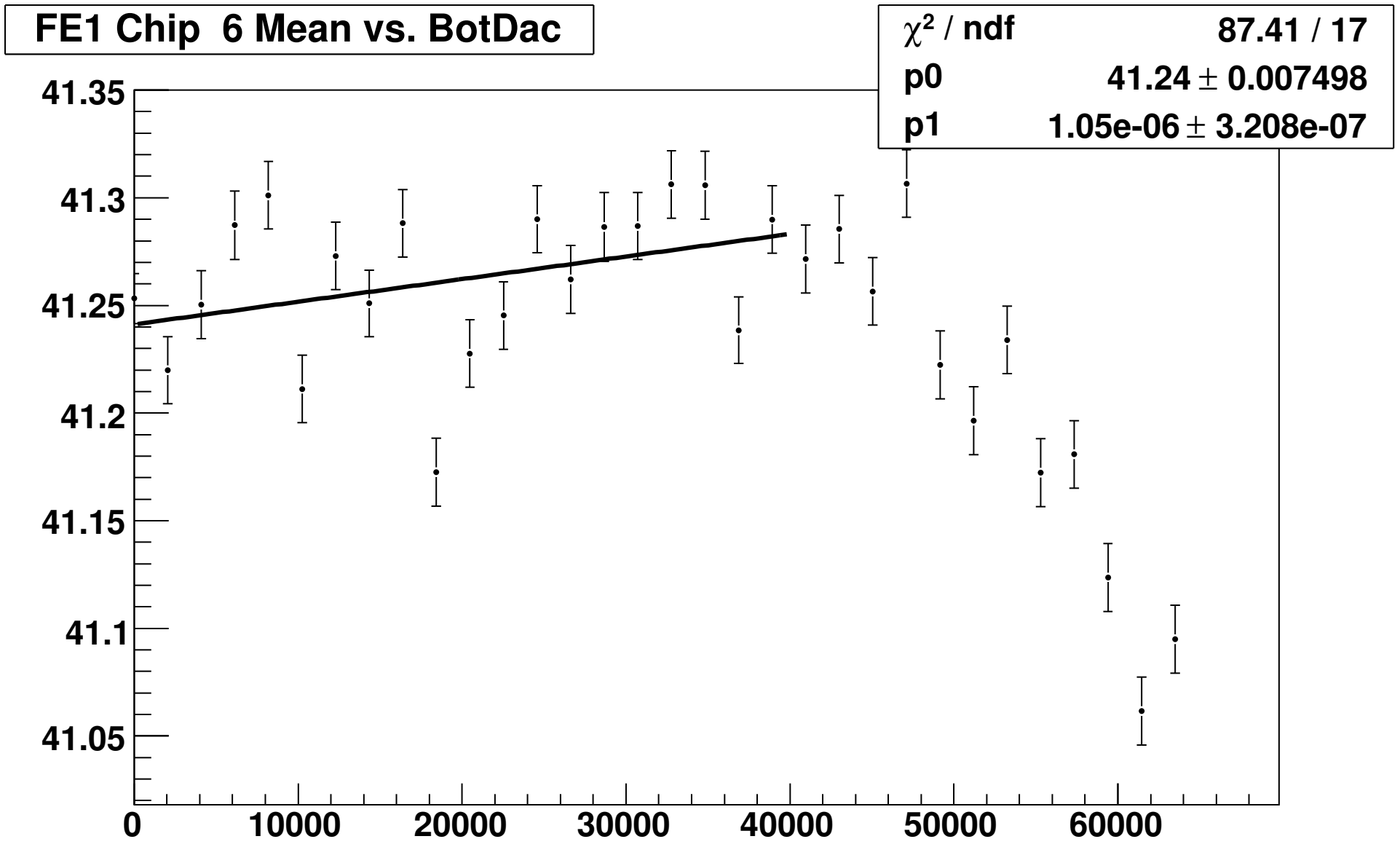
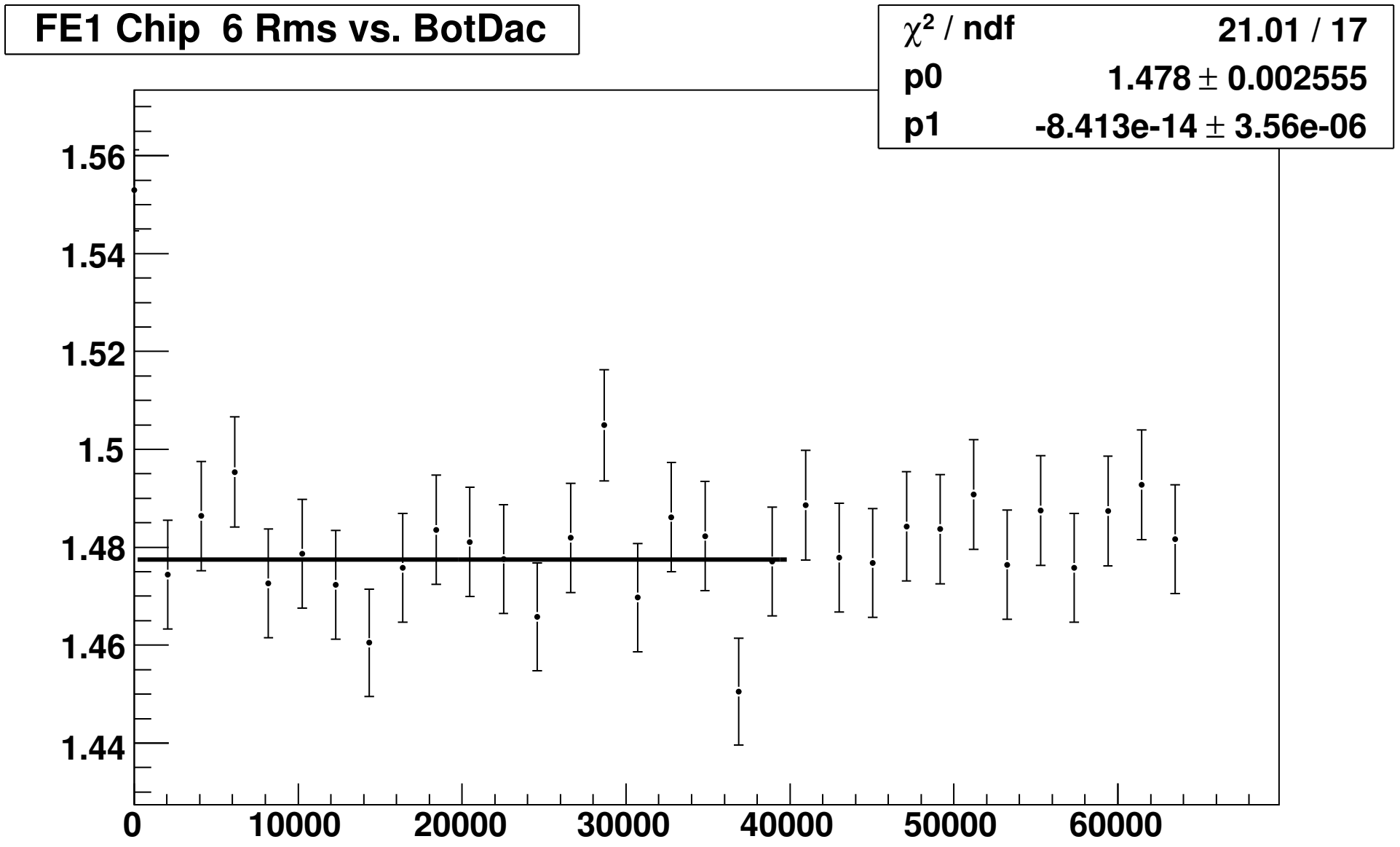
30000
40000
50000
60000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 13.03 / 17
p0 1.527 ± 0.004021
p1 3.315e-06 ± 2.575e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 87.41 / 17
p0 41.24 ± 0.007498
p1 1.05e-06 ± 3.208e-07
41.35
41.3
41.25
41.2
41.15
41.1
41.05
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 21.01 / 17
p0 1.478 ± 0.002555
p1 -8.413e-14 ± 3.56e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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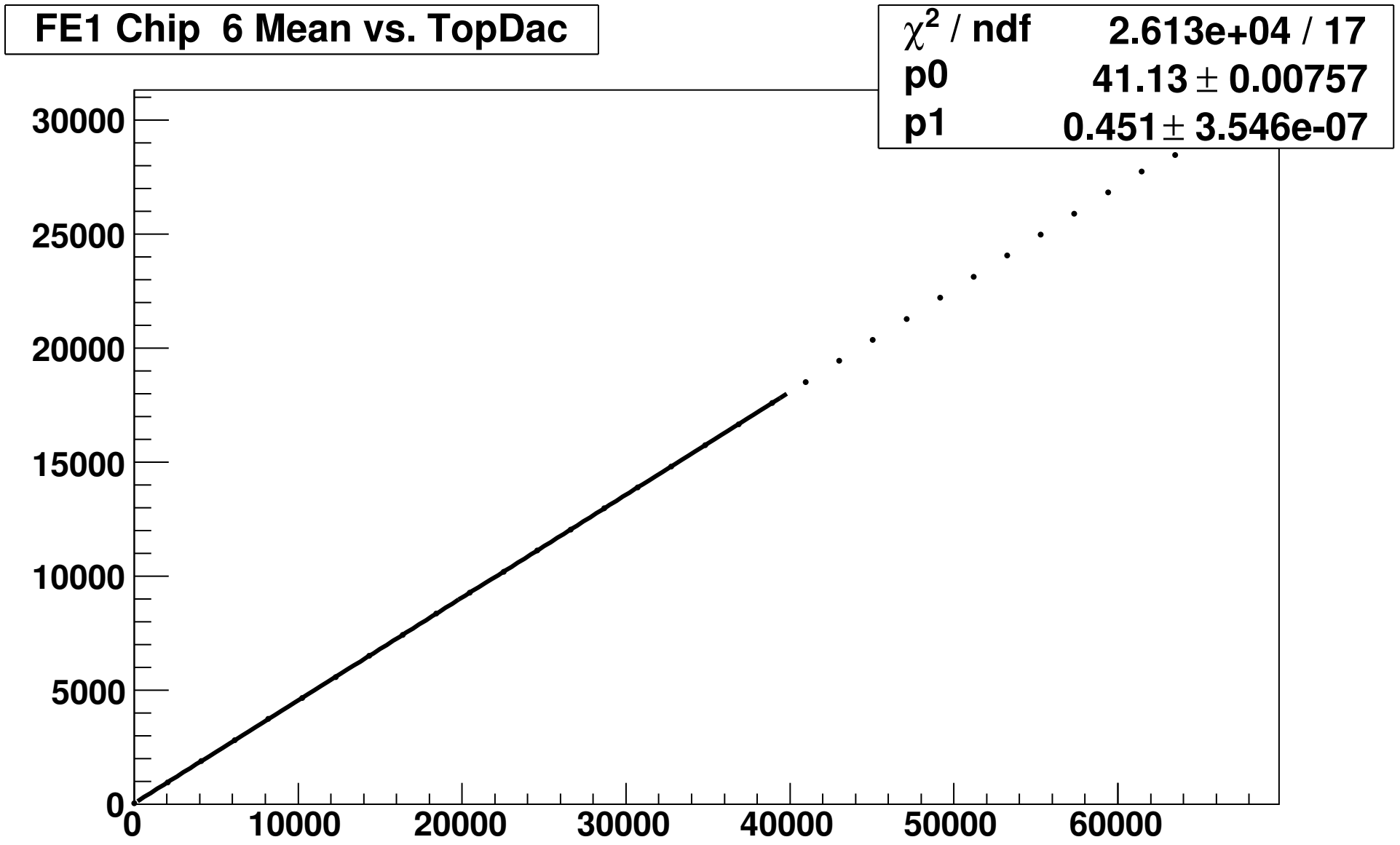
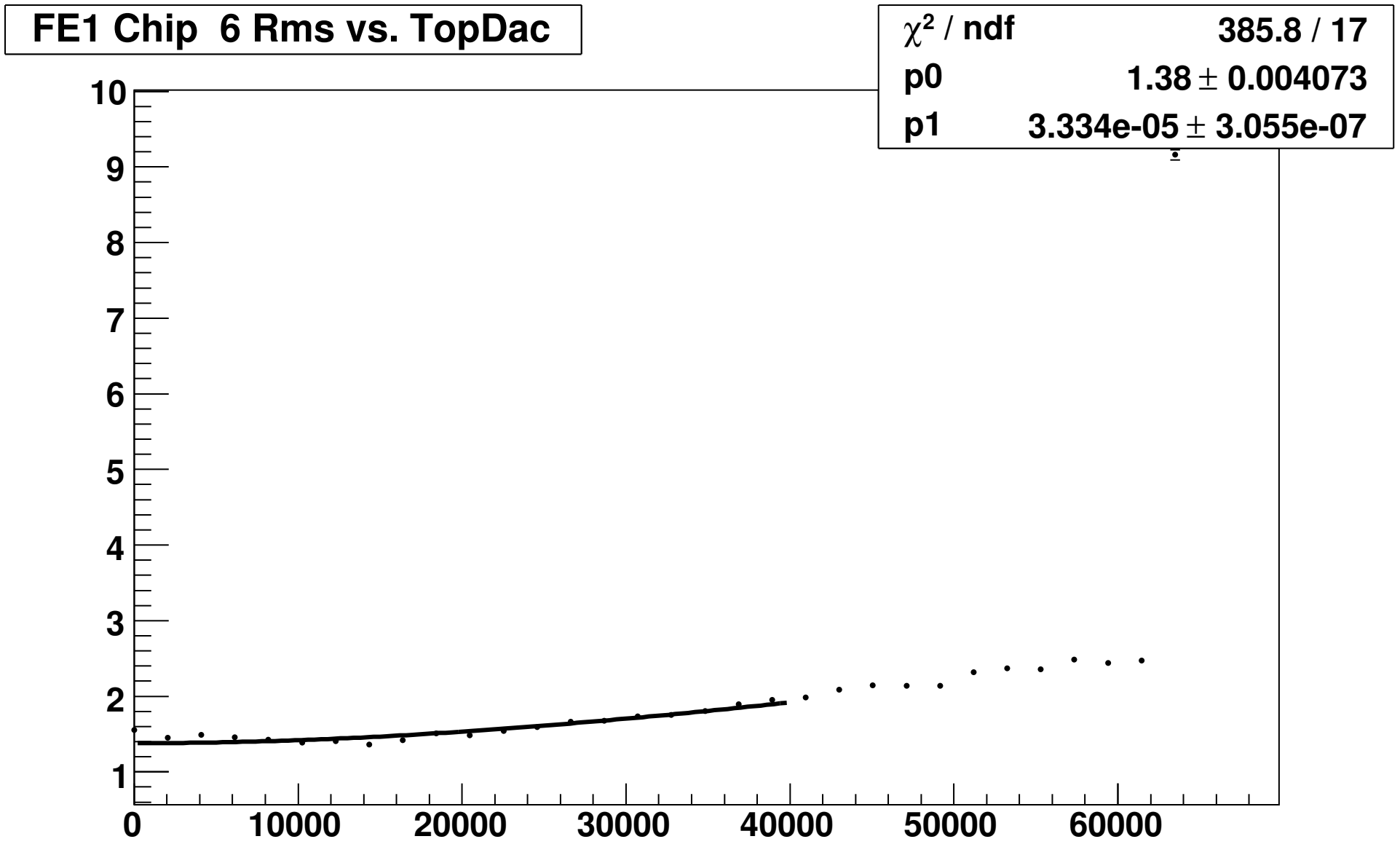
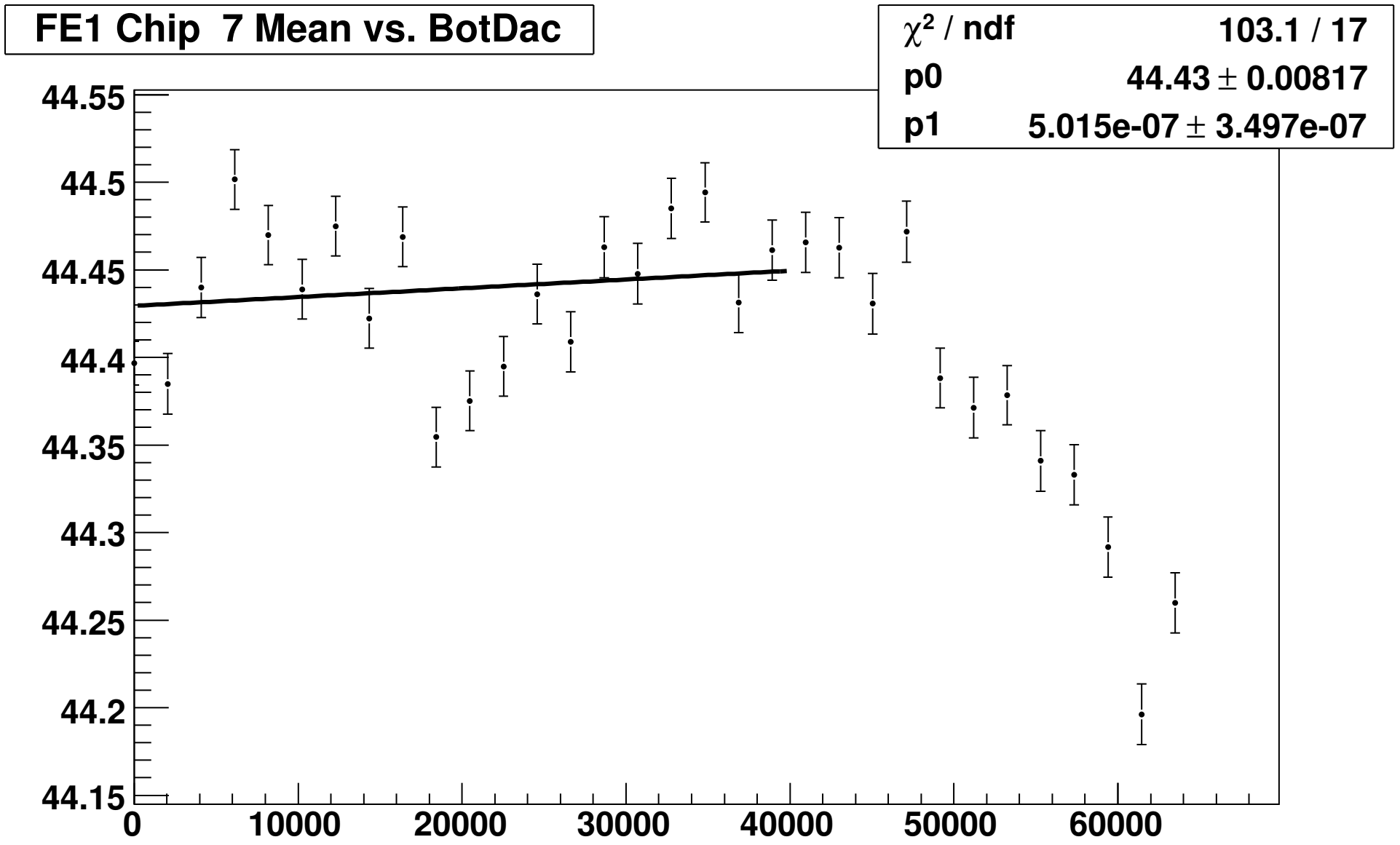
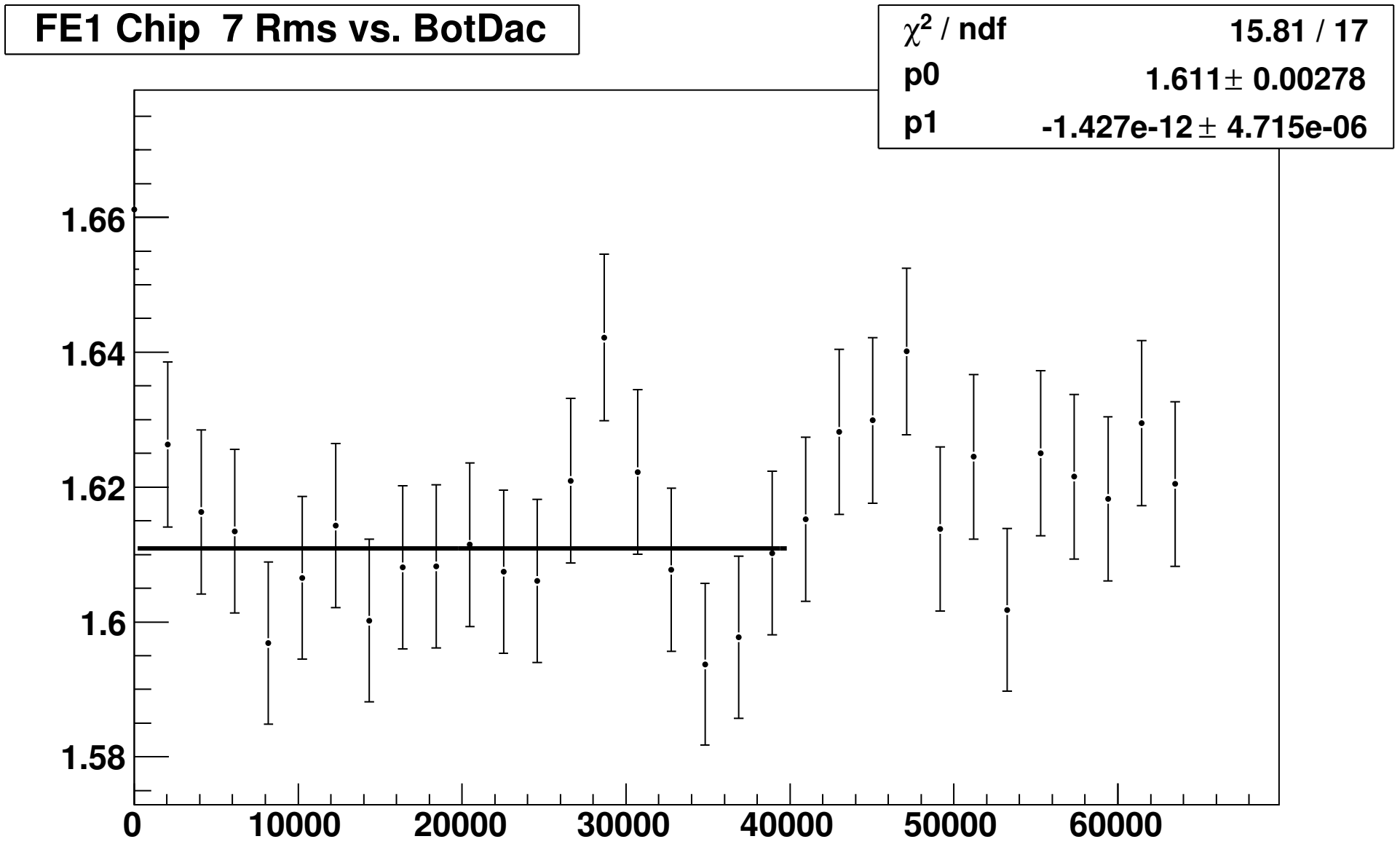
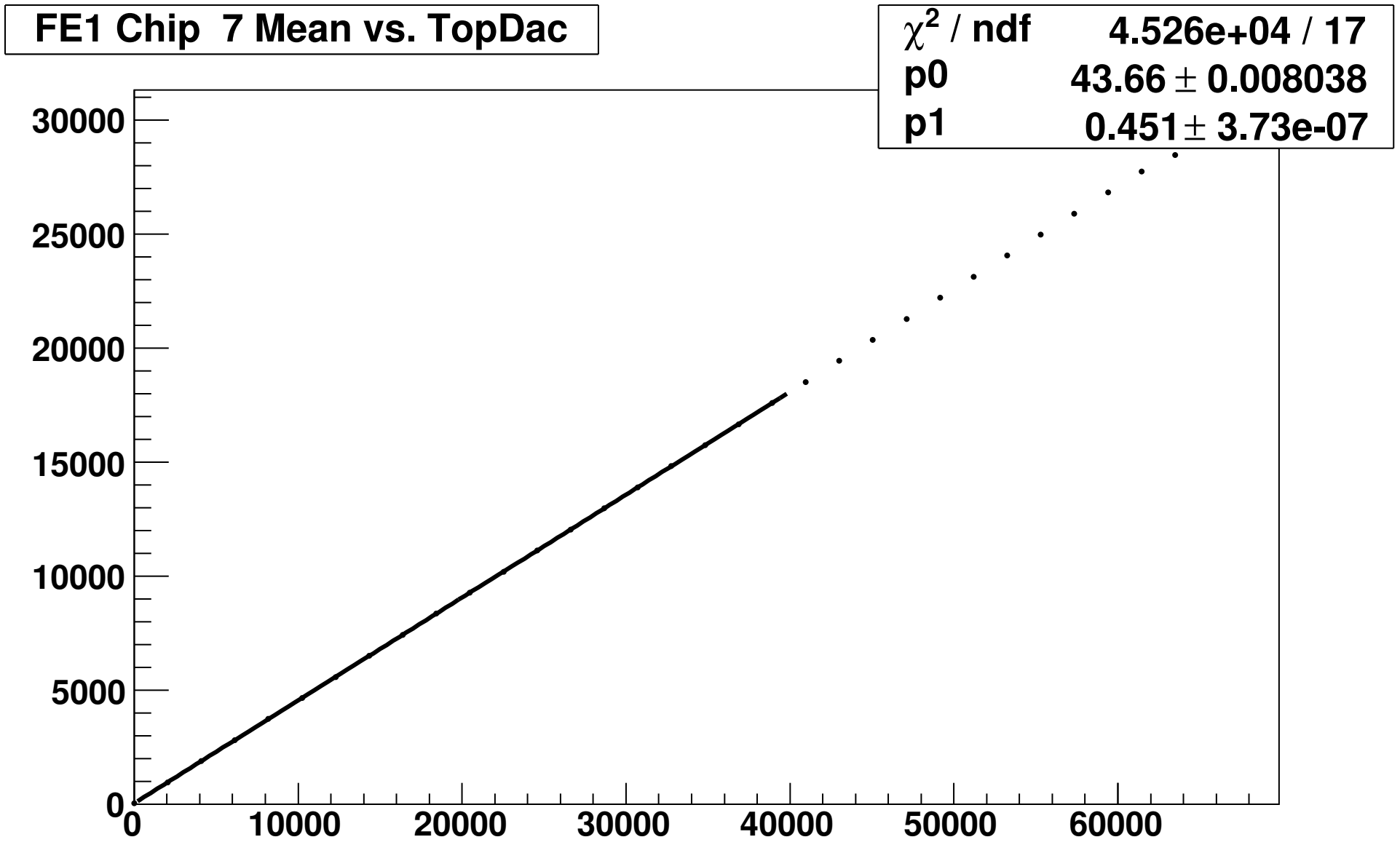
30000
40000
50000
60000

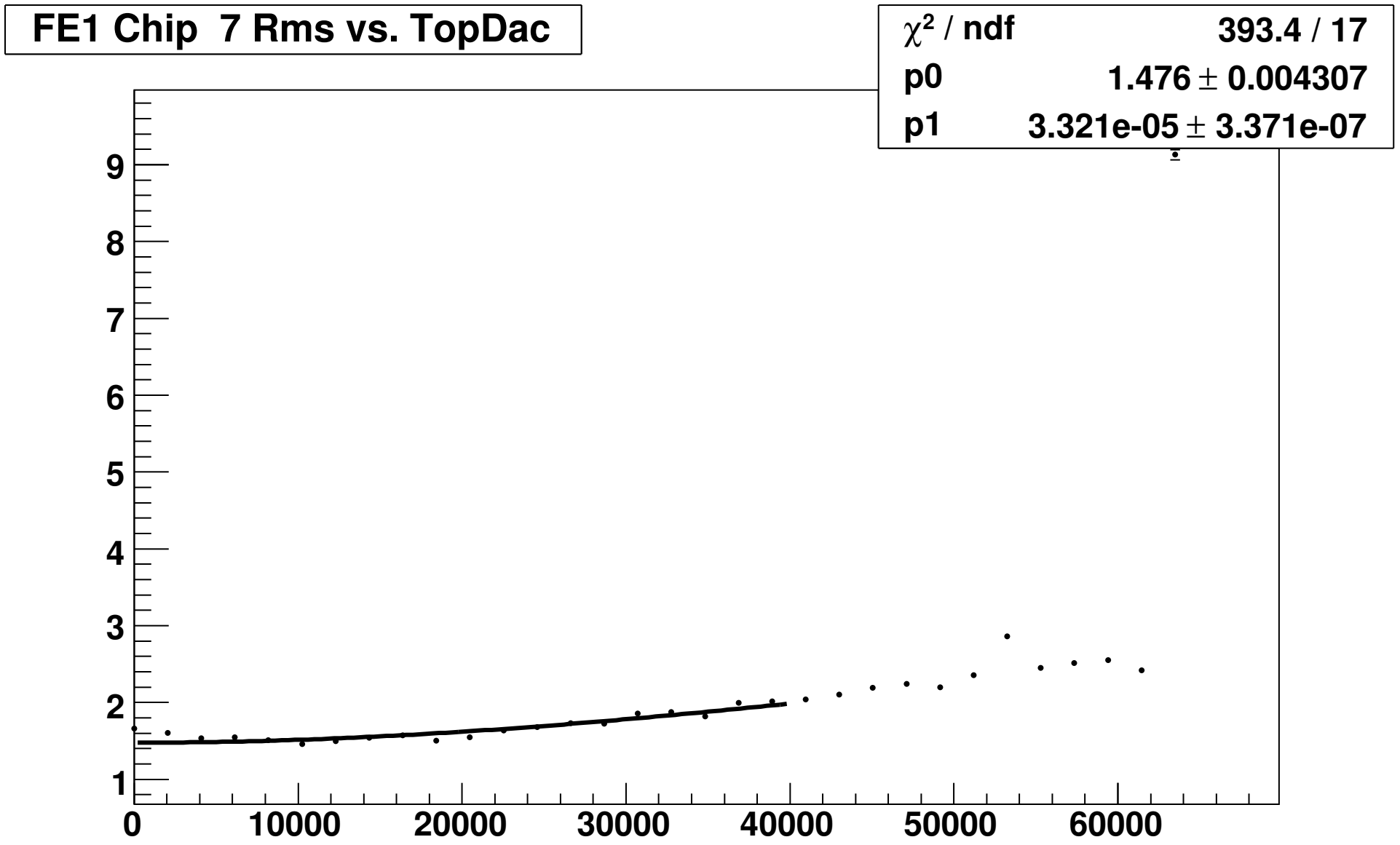

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 2.613e+04 / 17
p0 41.13 ± 0.00757
p1 0.451 ± 3.546e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

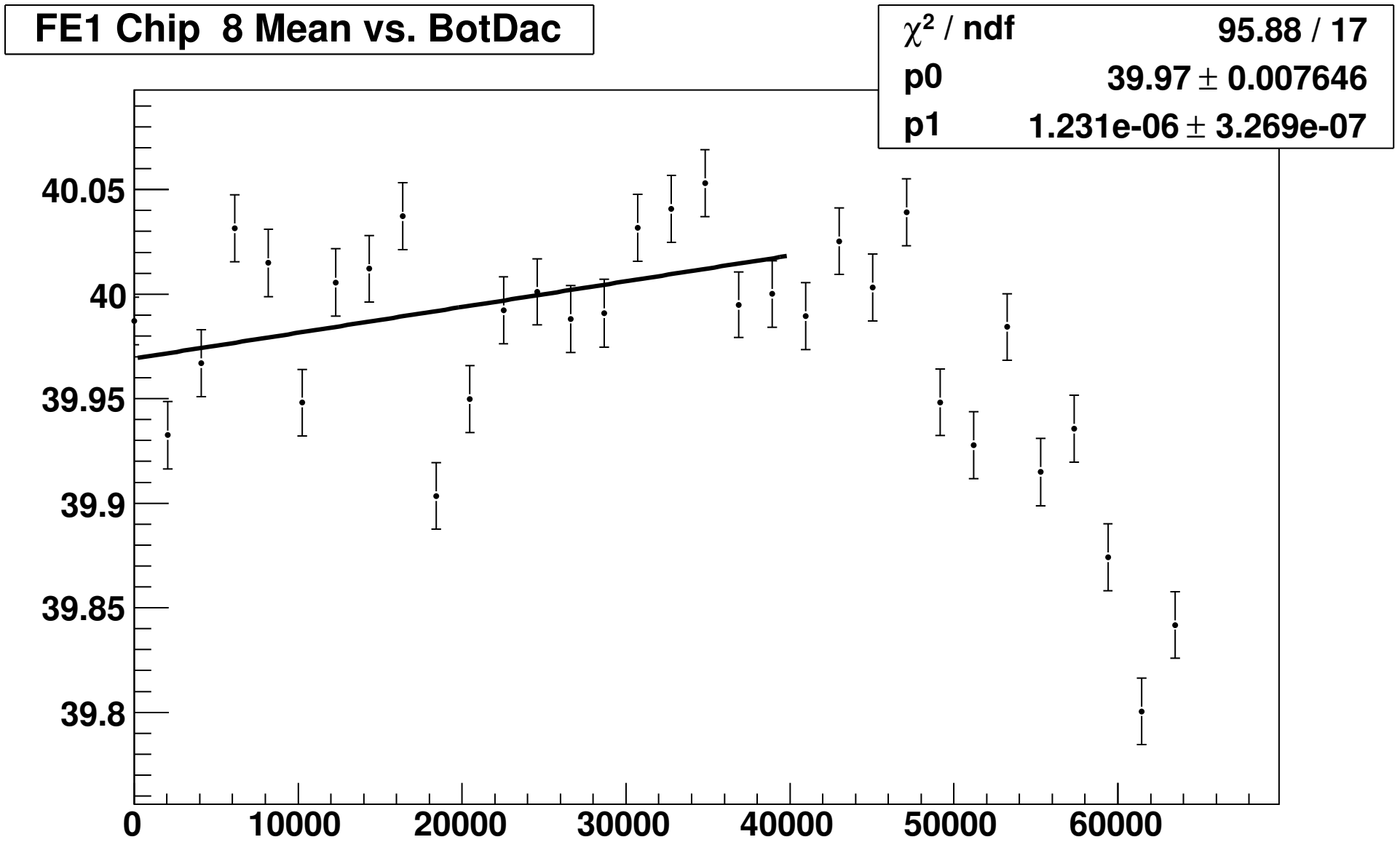

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 385.8 / 17
p0 1.38 ± 0.004073
p1 3.334e-05 ± 3.055e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

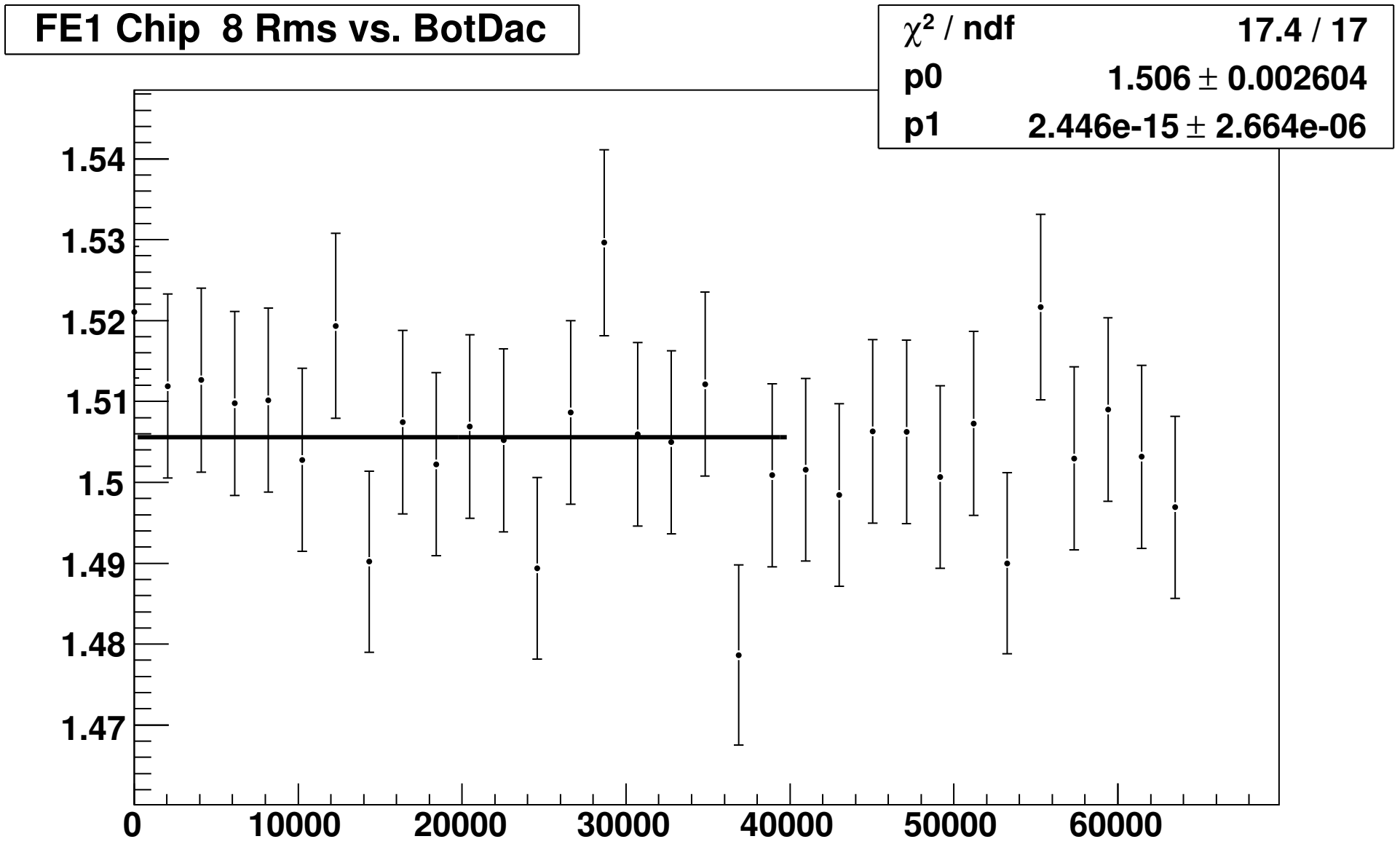

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 103.1 / 17
p0 44.43 ± 0.00817
p1 5.015e-07 ± 3.497e-07
44.55
44.5
44.45
44.4
44.35
44.3
44.25
44.2
44.15
0
10000
20000
30000
40000
50000
60000

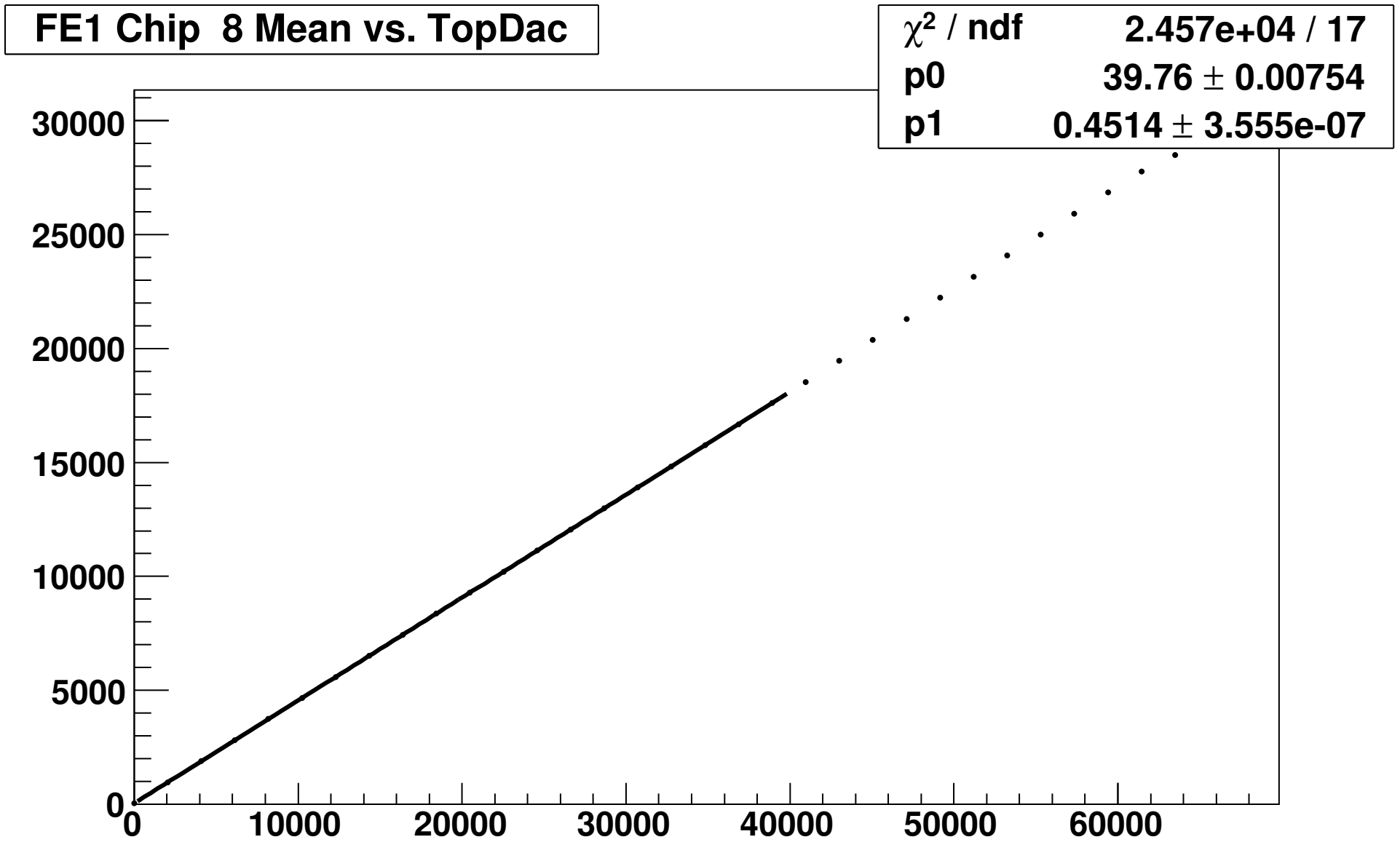

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 15.81 / 17
p0 1.611 ± 0.00278
p1 -1.427e-12 ± 4.715e-06
1.66
1.64
1.62
1.6
1.58
0
10000
20000
30000
40000
50000
60000

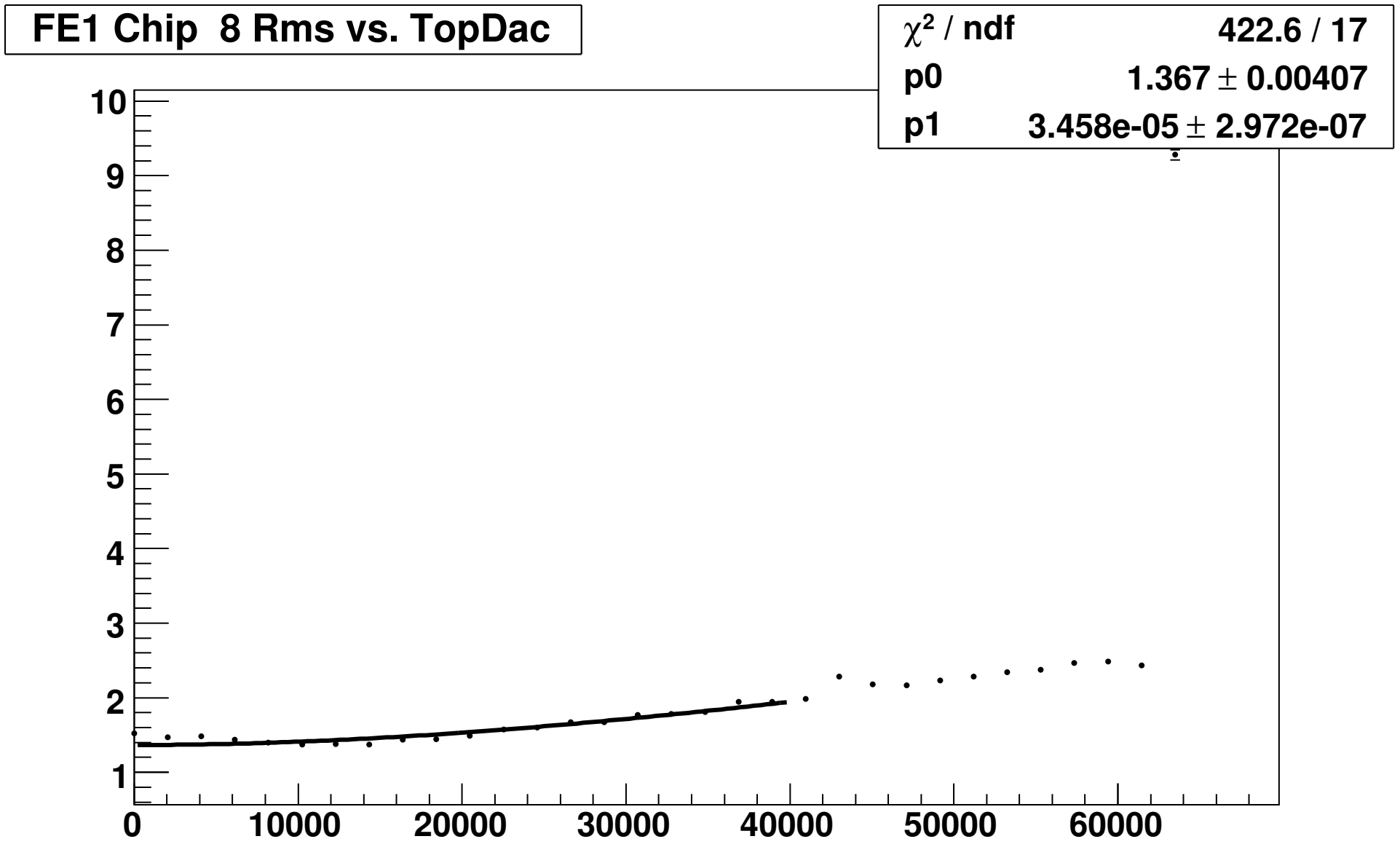

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 4.526e+04 / 17
p0 43.66 ± 0.008038
p1 0.451 ± 3.73e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

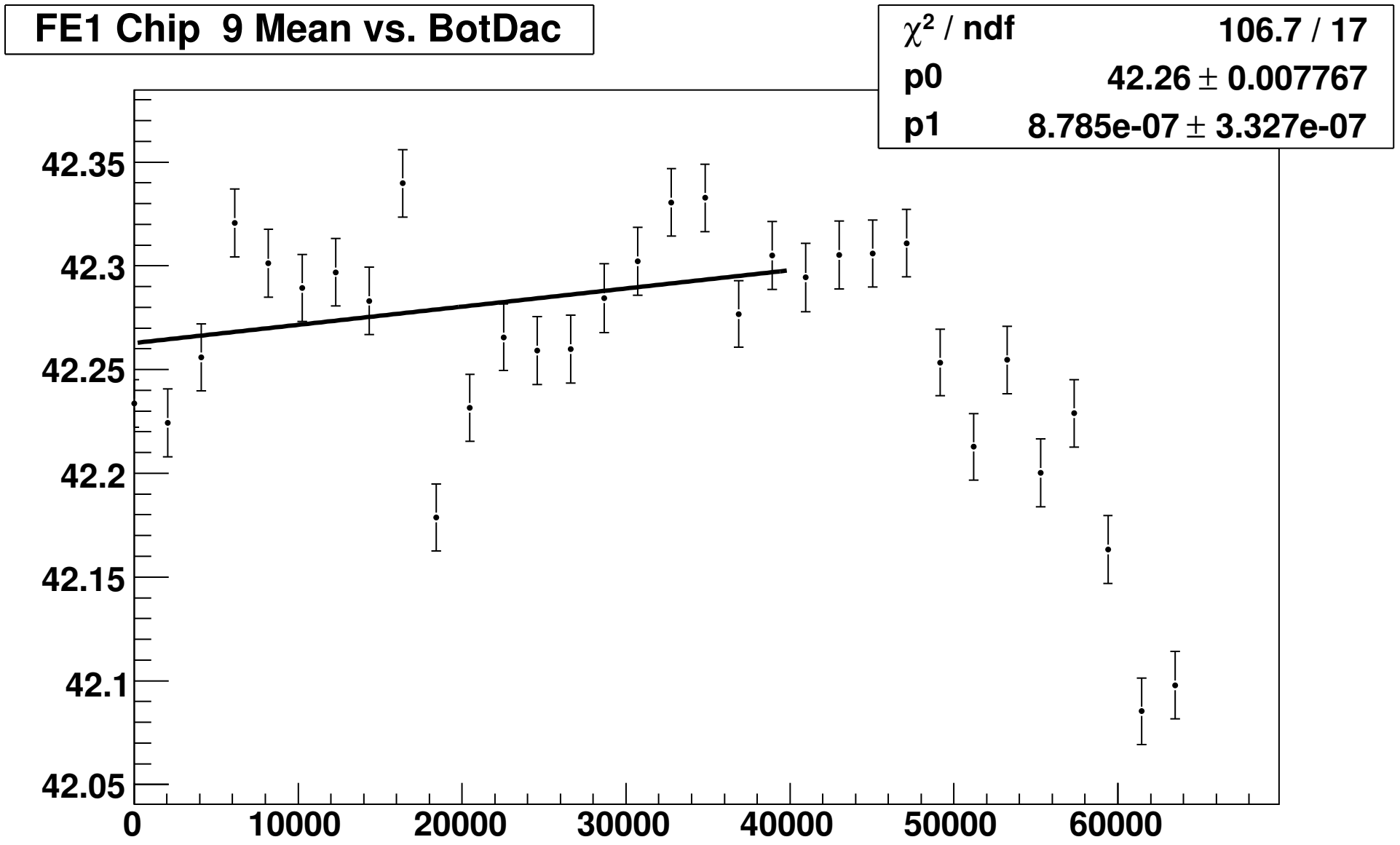

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 393.4 / 17
p0 1.476 ± 0.004307
p1 3.321e-05 ± 3.371e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

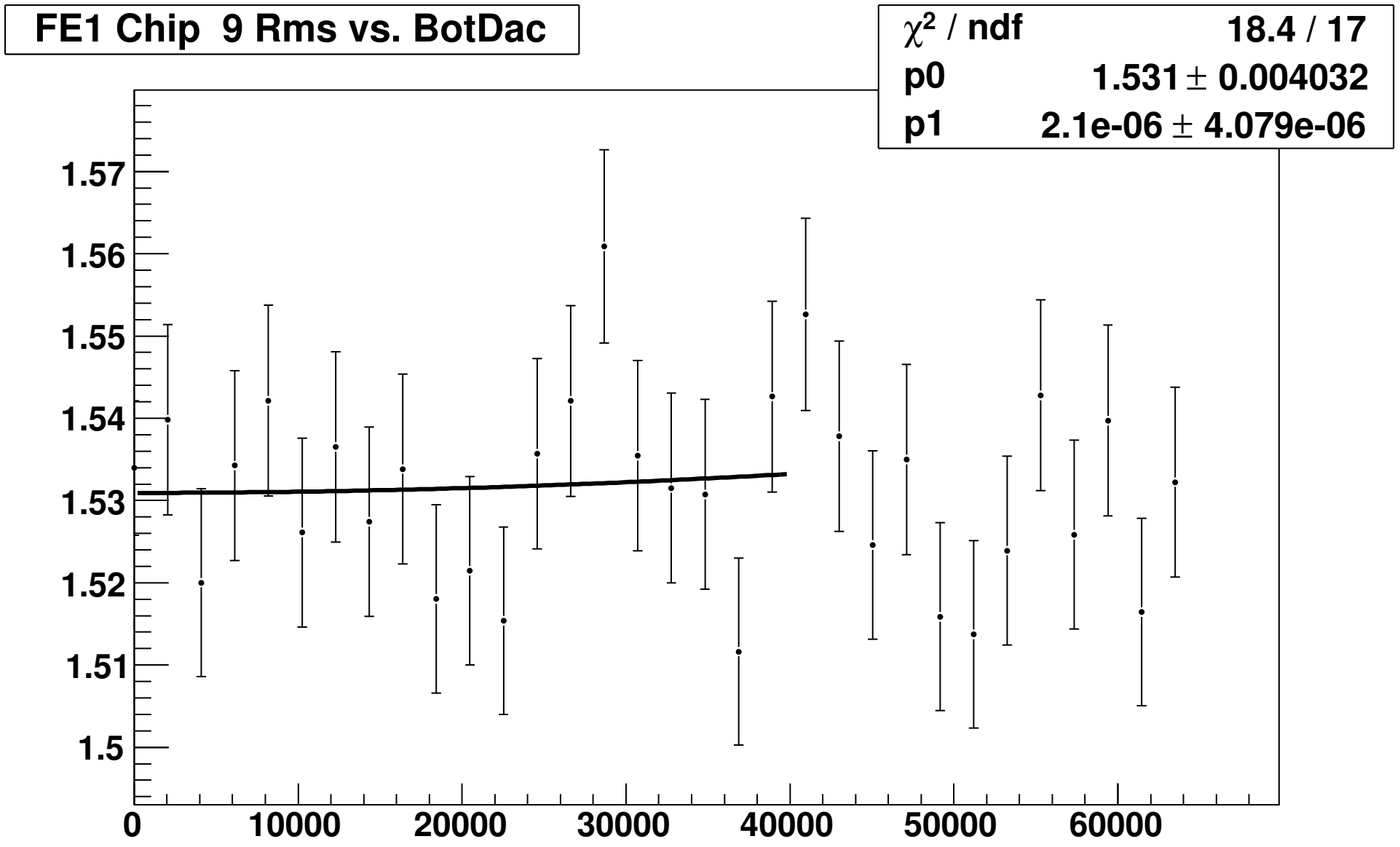

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 95.88 / 17
p0 39.97 ± 0.007646
p1 1.231e-06 ± 3.269e-07
40.05
40
39.95
39.9
39.85
39.8
0
10000
20000
30000
40000
50000
60000

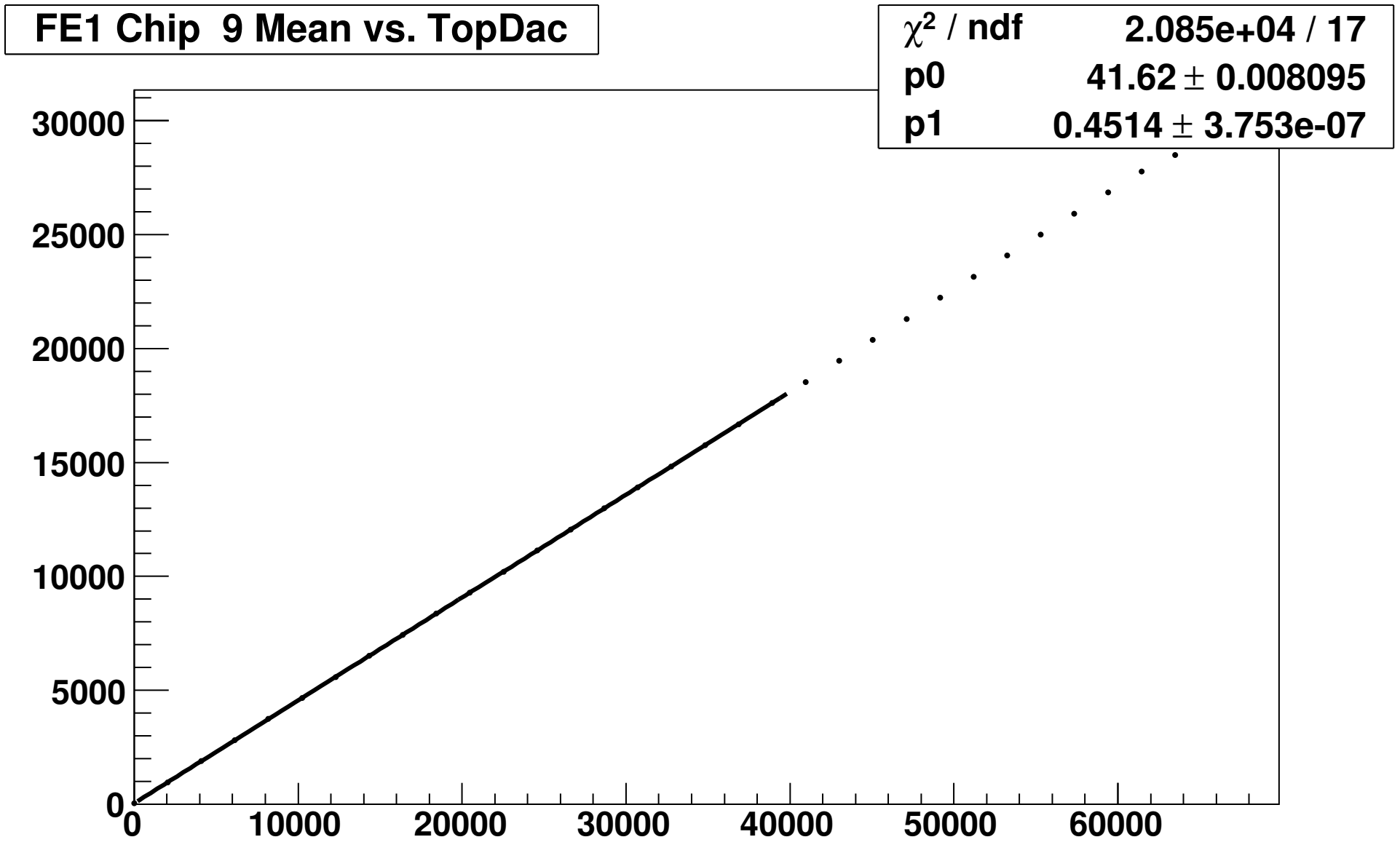

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 17.4 / 17
p0 1.506 ± 0.002604
p1 2.446e-15 ± 2.664e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

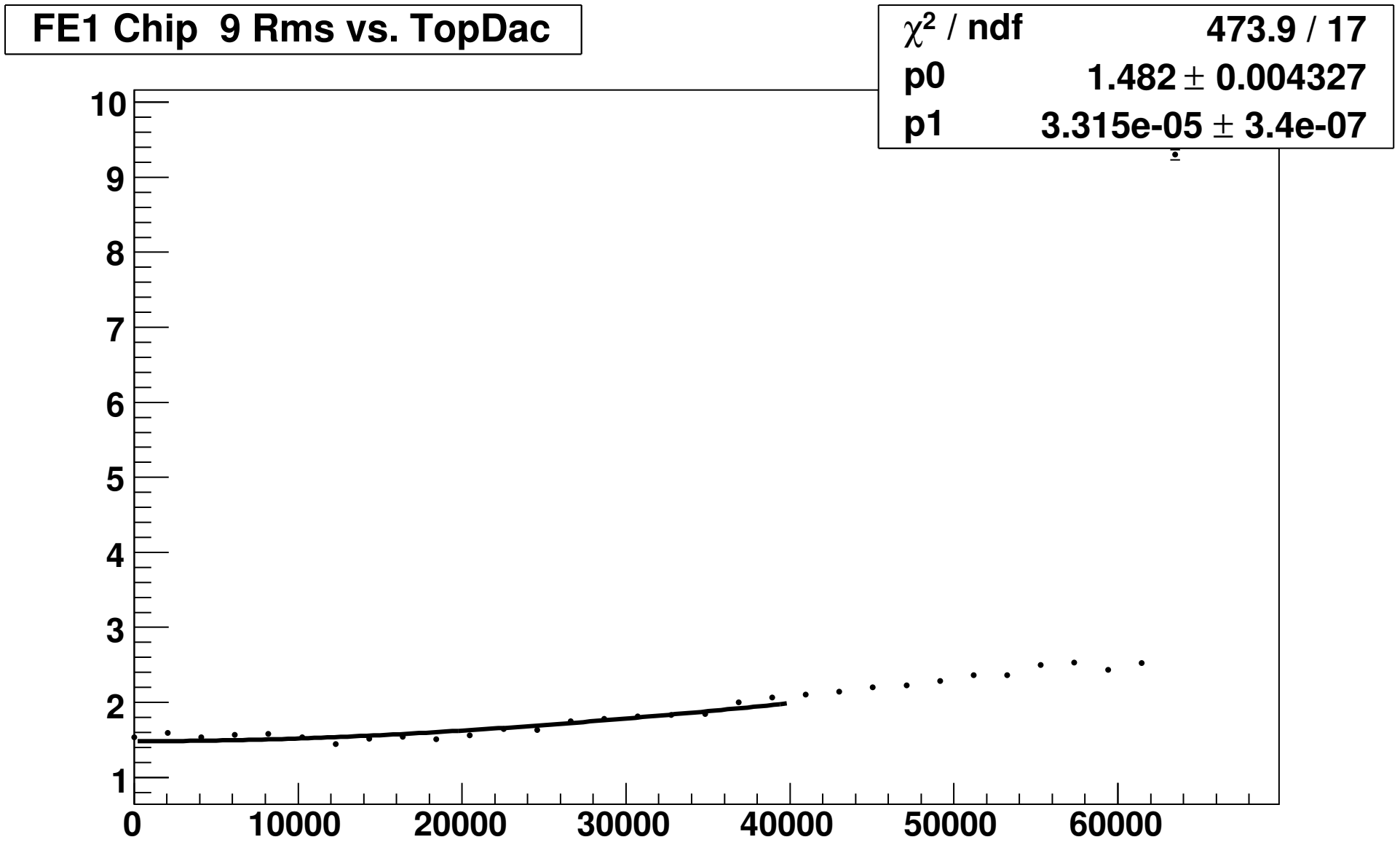

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 2.457e+04 / 17
p0 39.76 ± 0.00754
p1 0.4514 ± 3.555e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

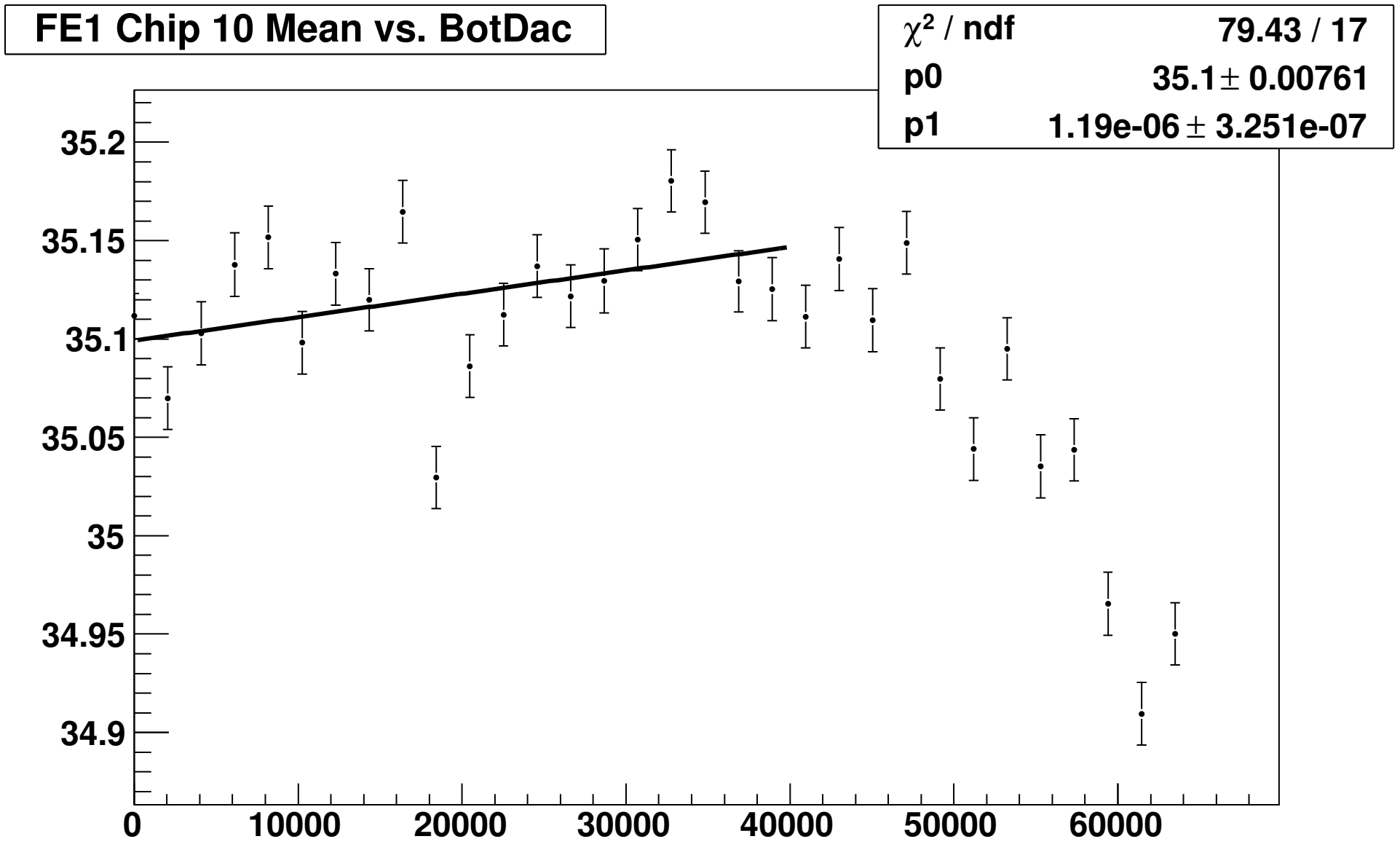

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 422.6 / 17
p0 1.367 ± 0.00407
p1 3.458e-05 ± 2.972e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

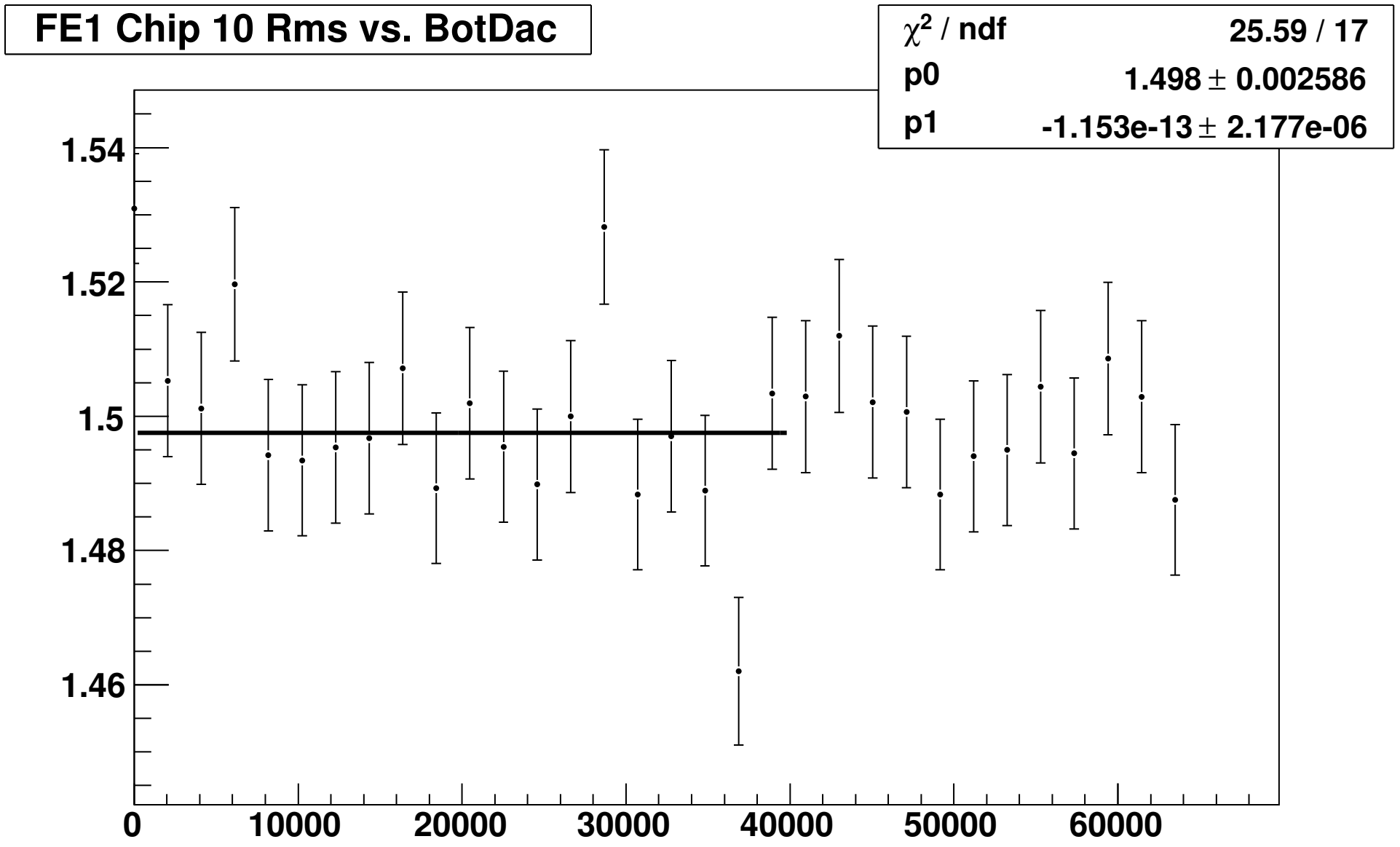

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 106.7 / 17
p0 42.26 ± 0.007767
p1 8.785e-07 ± 3.327e-07
42.35
42.3
42.25
42.2
42.15
42.1
42.05
0
10000
20000
30000
40000
50000
60000

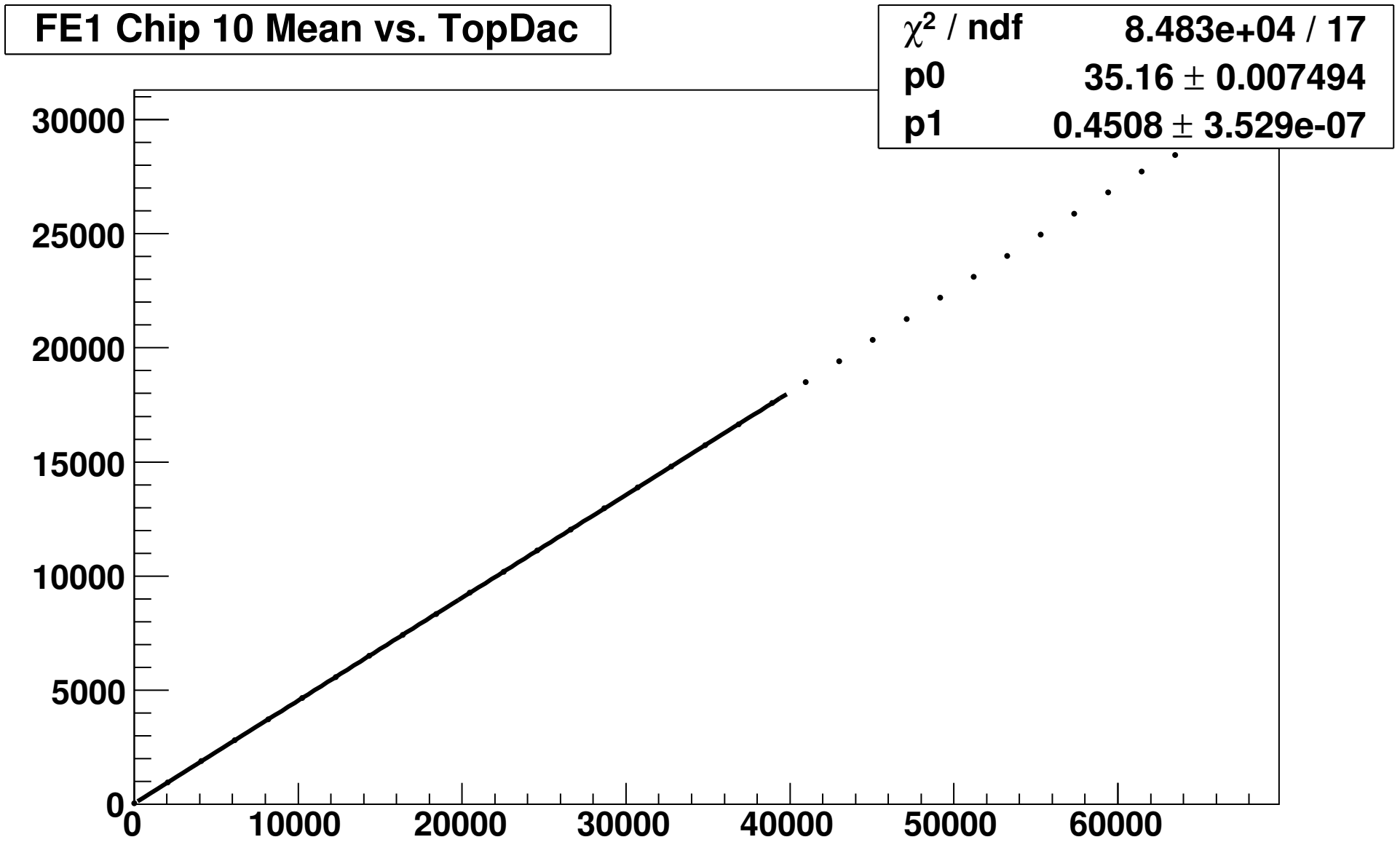

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 18.4 / 17
p0 1.531 ± 0.004032
p1 2.1e-06 ± 4.079e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

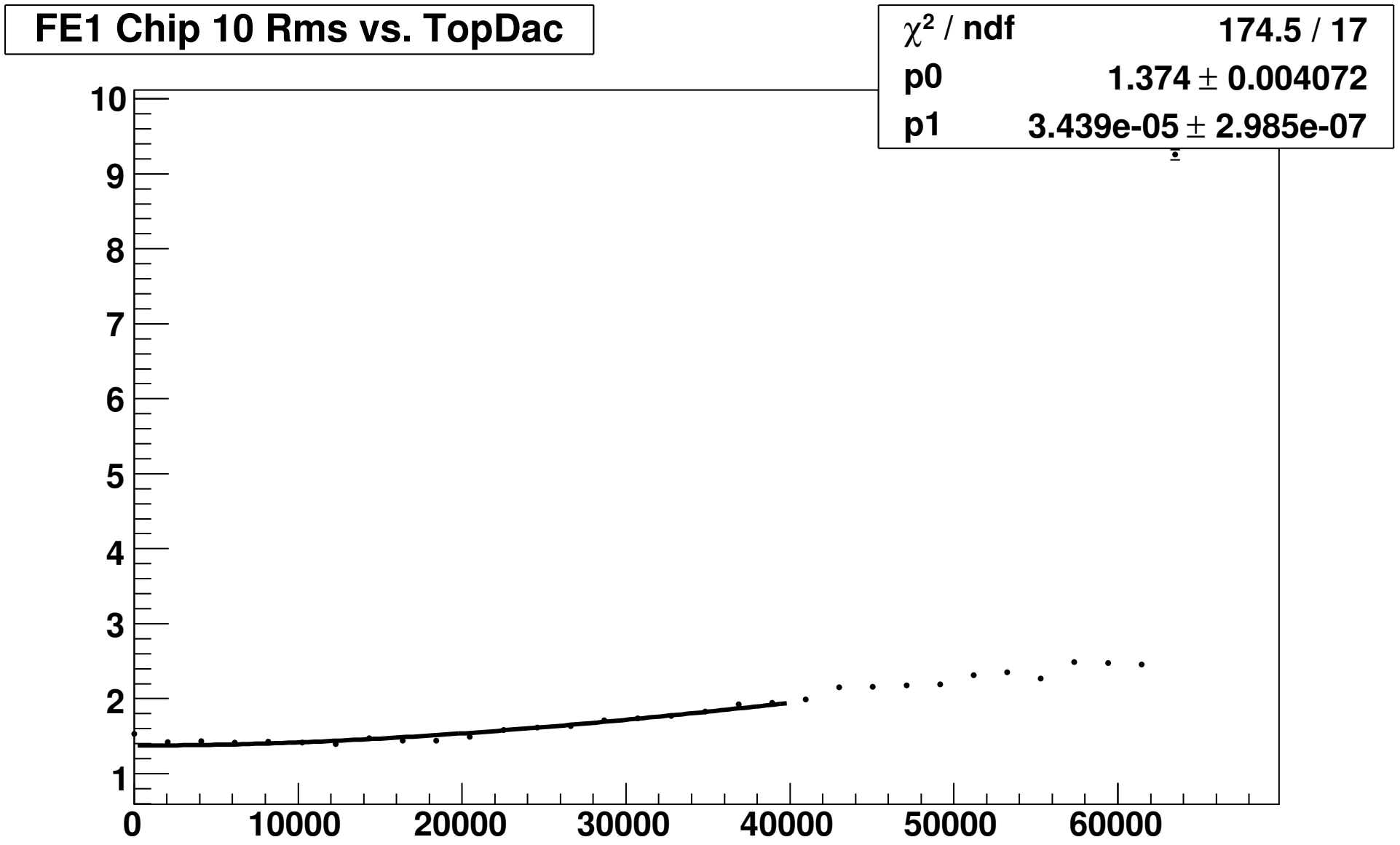

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 2.085e+04 / 17
p0 41.62 ± 0.008095
p1 0.4514 ± 3.753e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

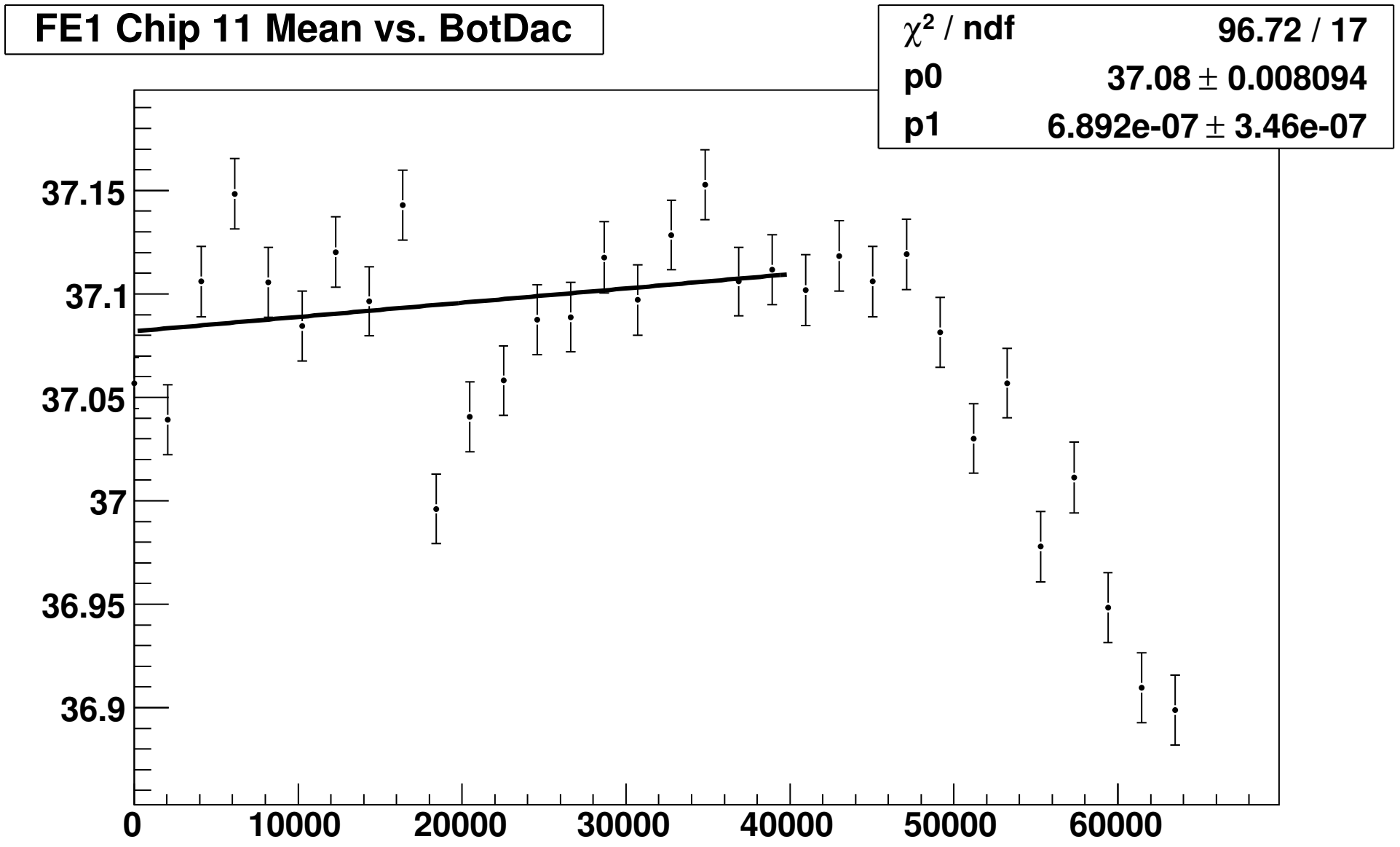

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 473.9 / 17
p0 1.482 ± 0.004327
p1 3.315e-05 ± 3.4e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

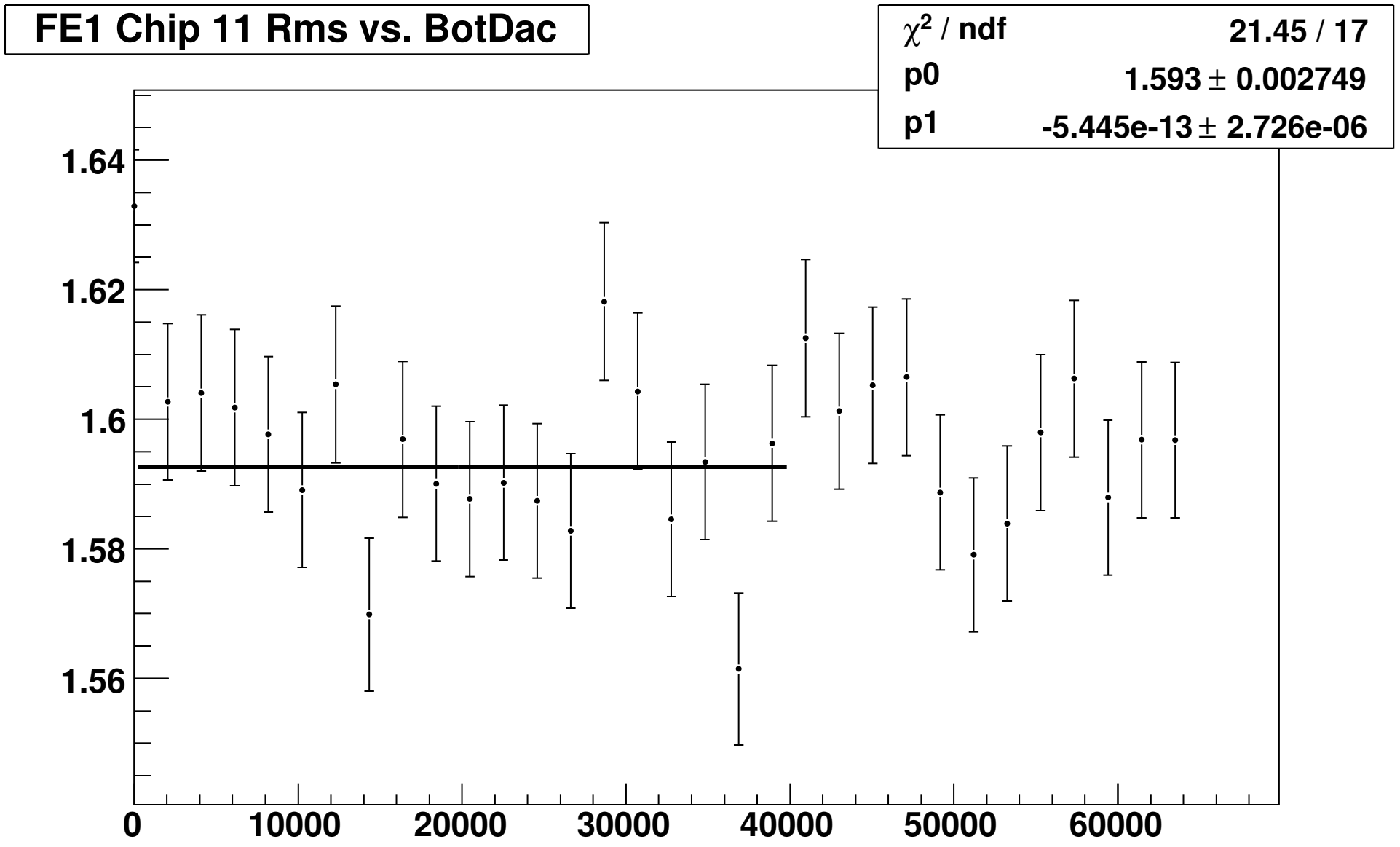

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 79.43 / 17
p0 35.1 ± 0.00761
p1 1.19e-06 ± 3.251e-07
35.2
35.15
35.1
35.05
35
34.95
34.9
0
10000
20000
30000
40000
50000
60000

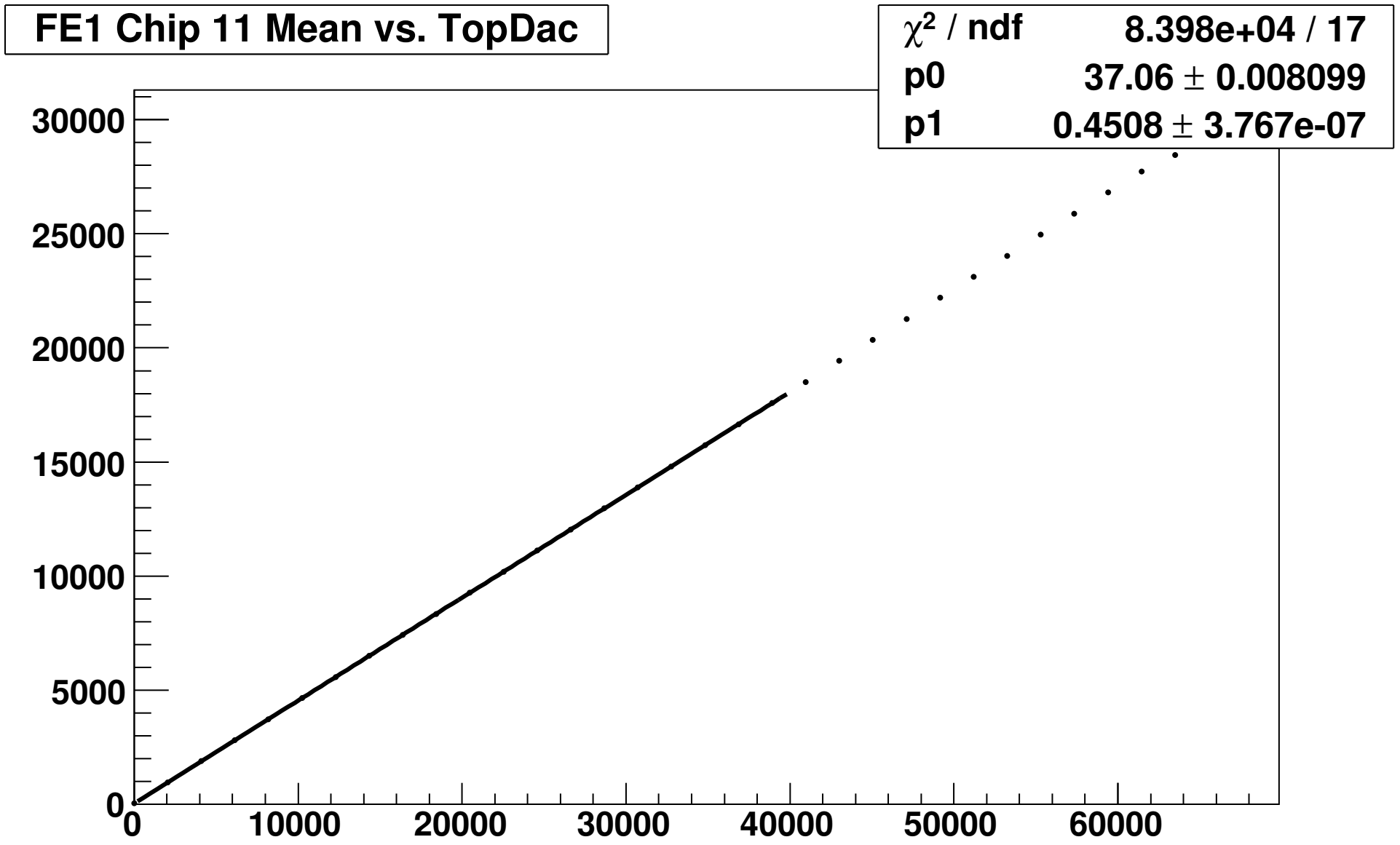

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 25.59 / 17
p0 1.498 ± 0.002586
p1 -1.153e-13 ± 2.177e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

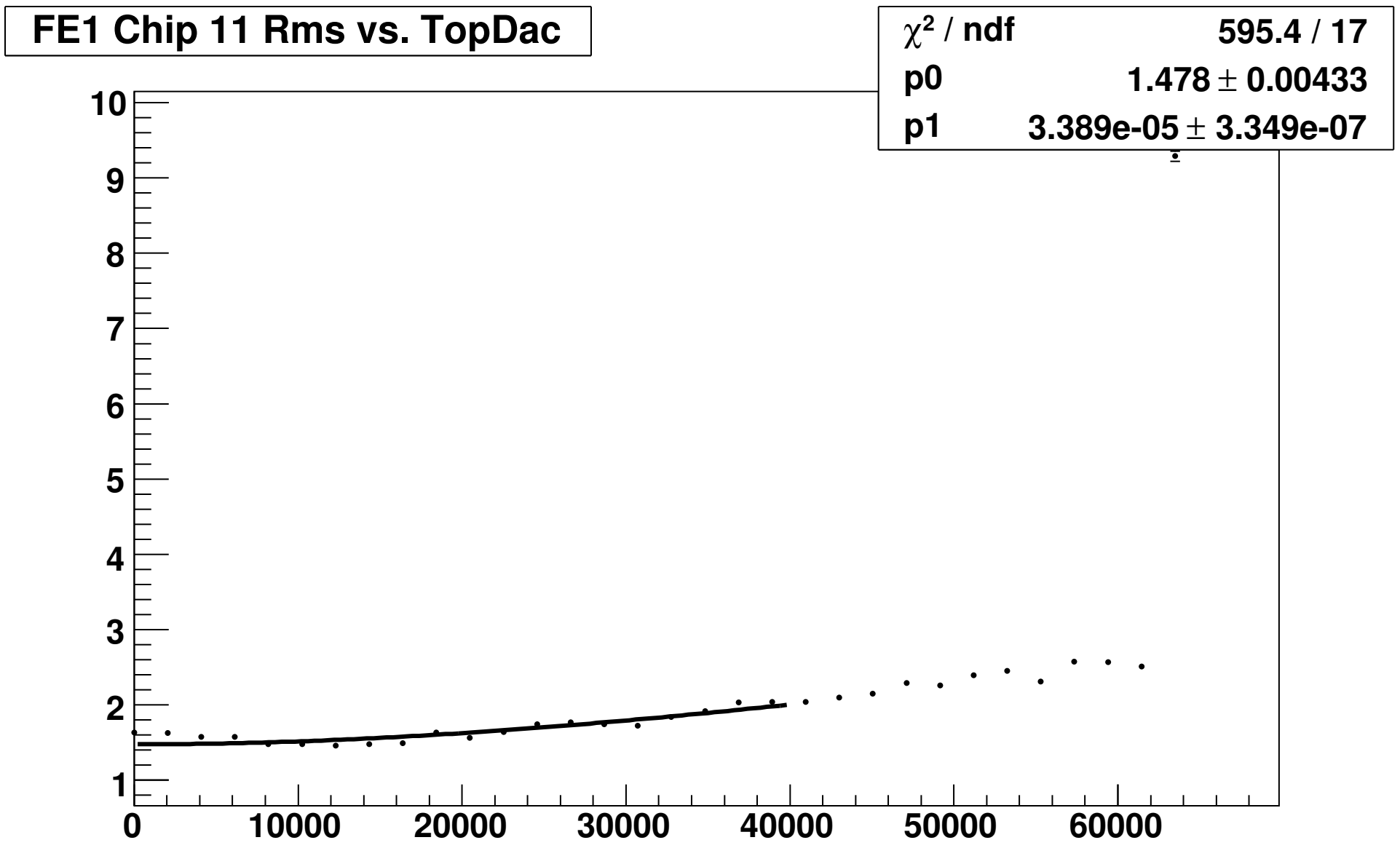

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.483e+04 / 17
p0 35.16 ± 0.007494
p1 0.4508 ± 3.529e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

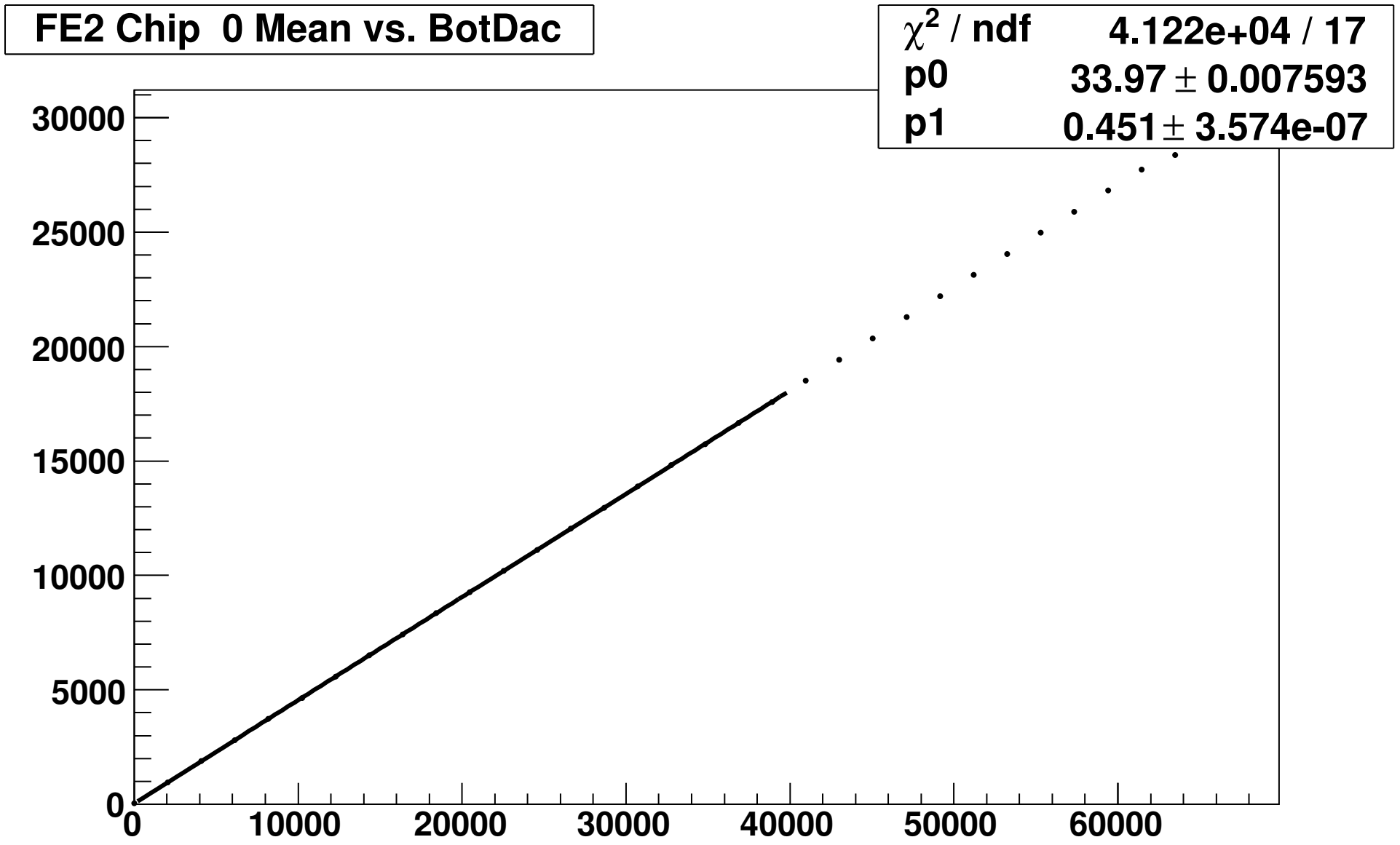

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 174.5 / 17
p0 1.374 ± 0.004072
p1 3.439e-05 ± 2.985e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

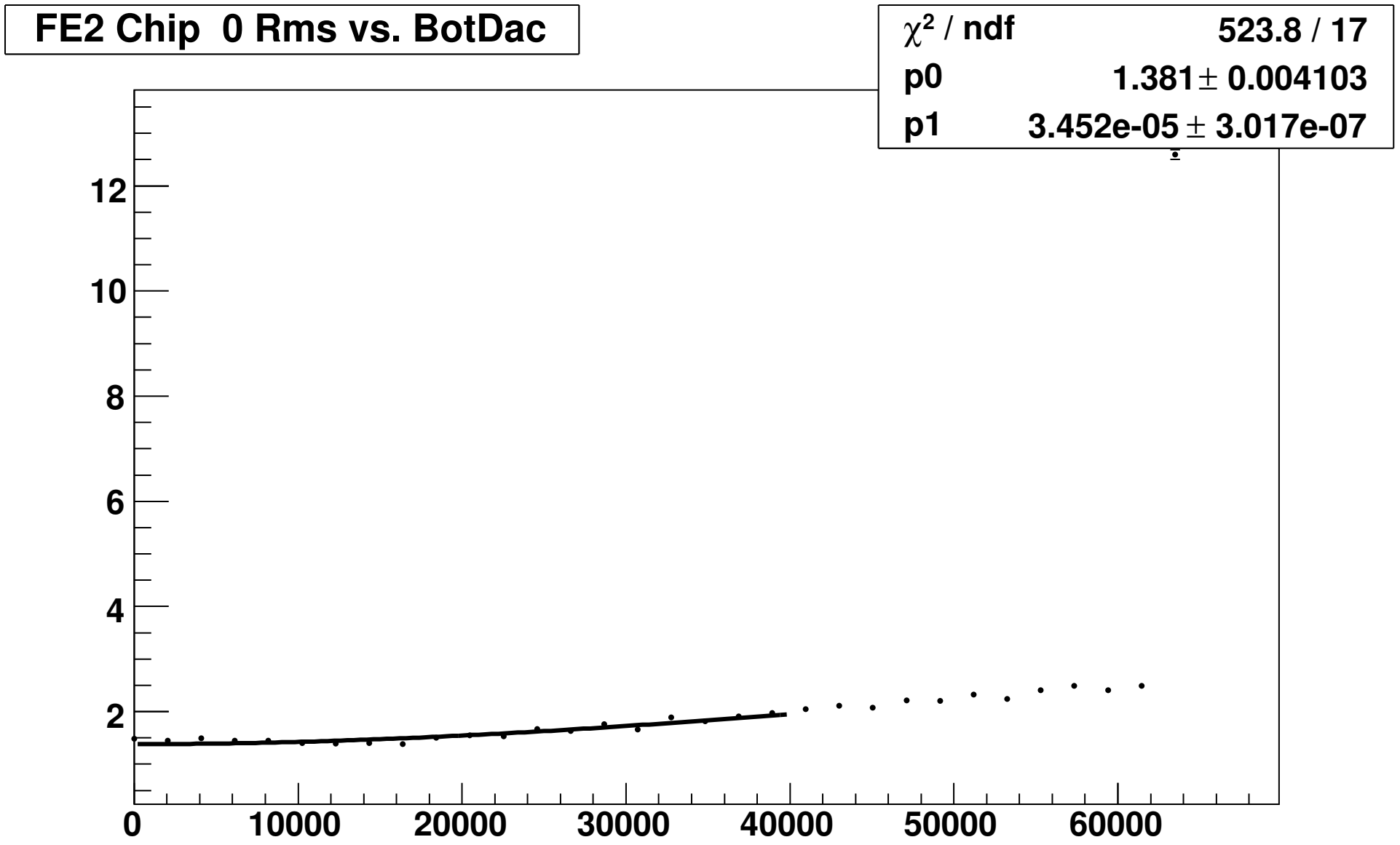

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 96.72 / 17
p0 37.08 ± 0.008094
p1 6.892e-07 ± 3.46e-07
37.15
37.1
37.05
37
36.95
36.9
0
10000
20000
30000
40000
50000
60000

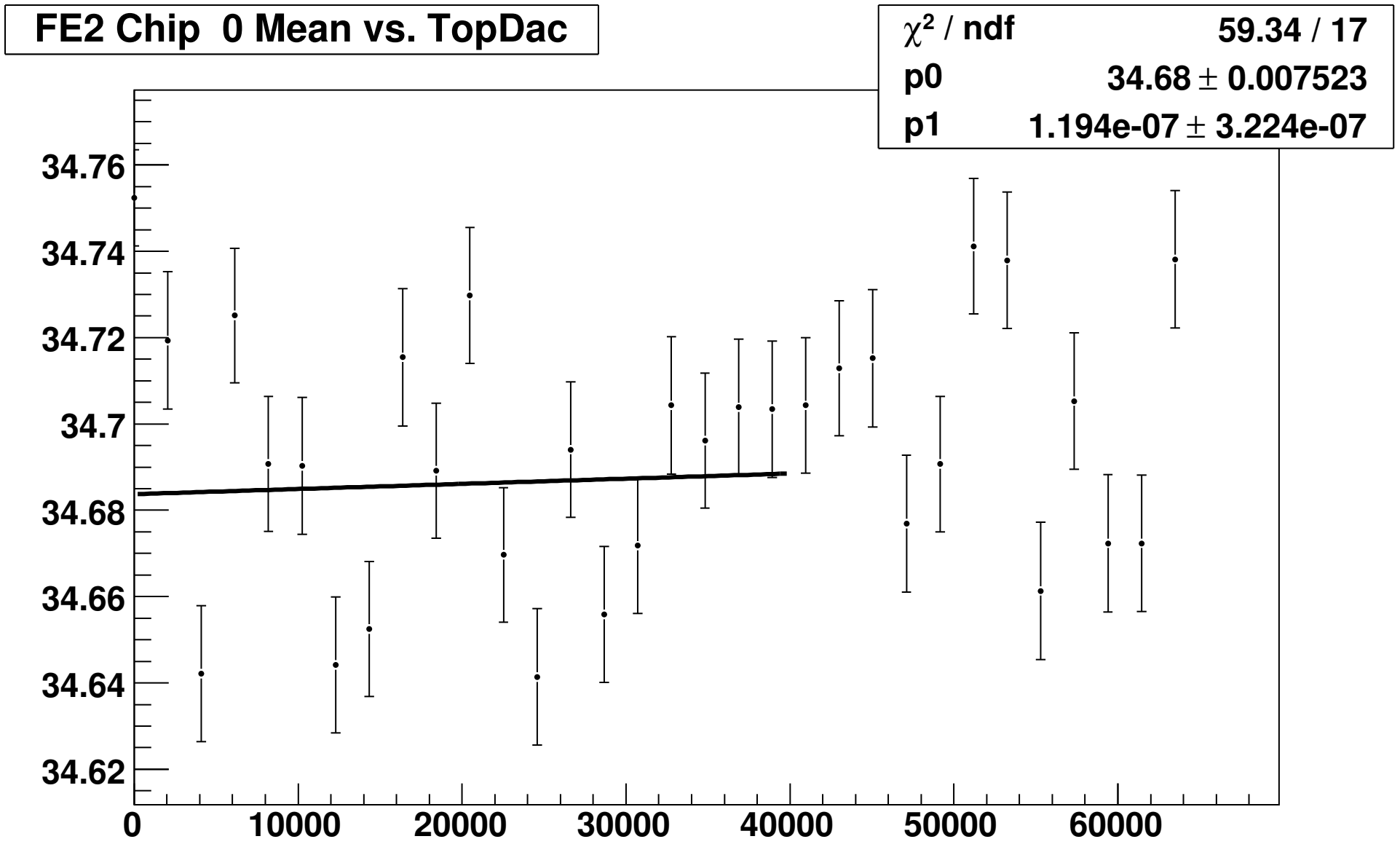

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 21.45 / 17
p0 1.593 ± 0.002749
p1 -5.445e-13 ± 2.726e-06
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000

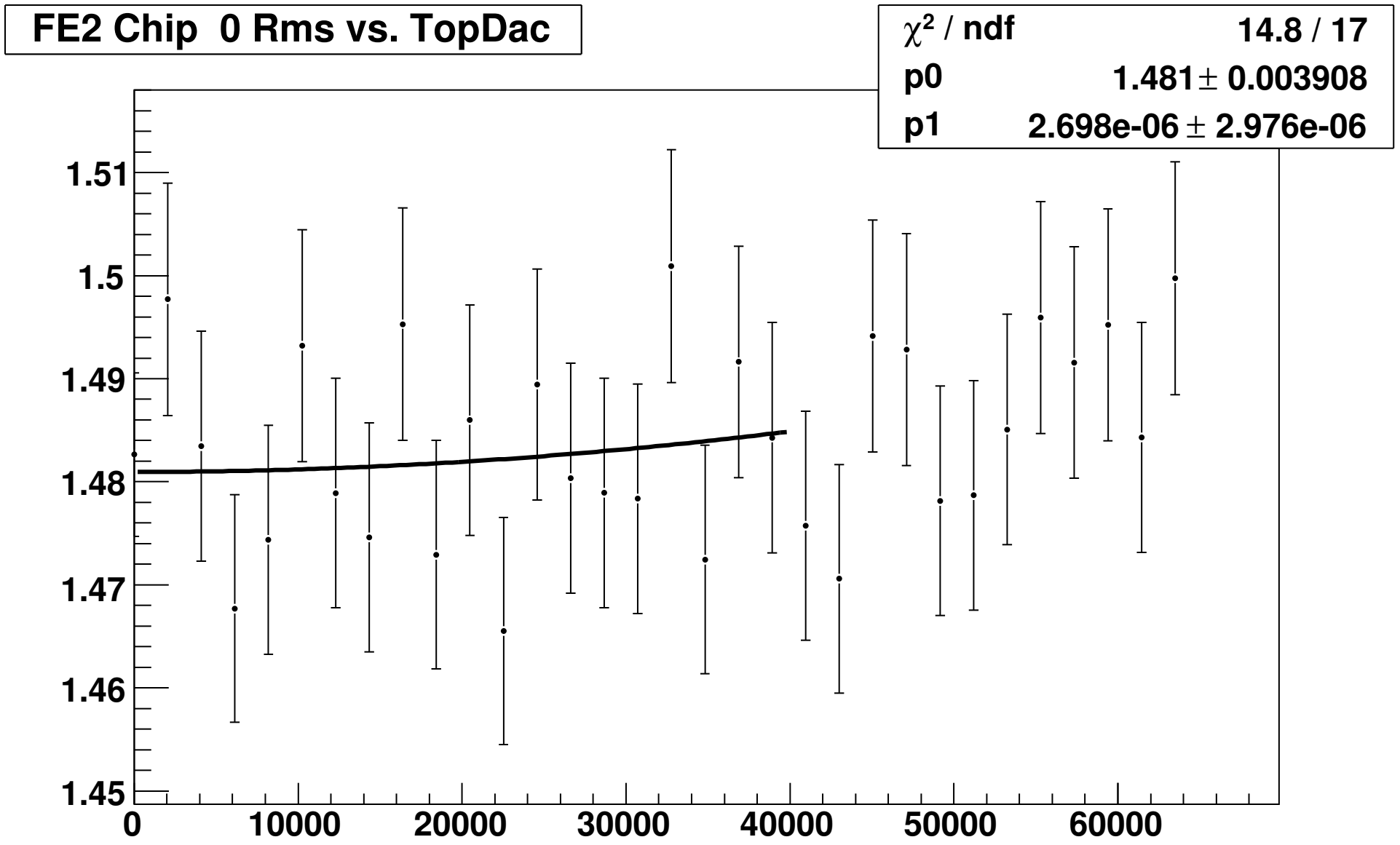

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 8.398e+04 / 17
p0 37.06 ± 0.008099
p1 0.4508 ± 3.767e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

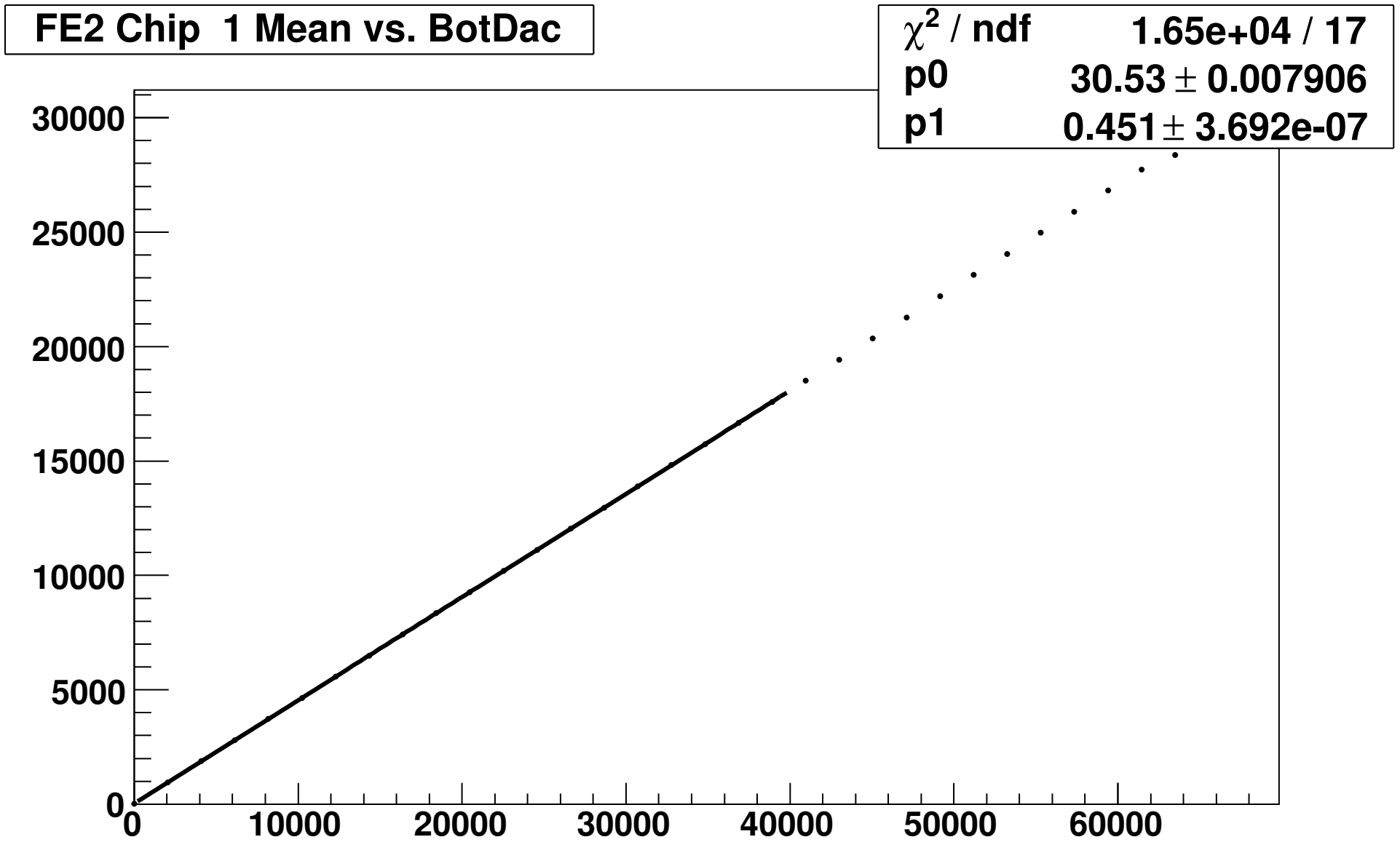

FE1 Chip 11 Rms vs. TopDac
χ² / ndf 595.4 / 17
p0 1.478 ± 0.00433
p1 3.389e-05 ± 3.349e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

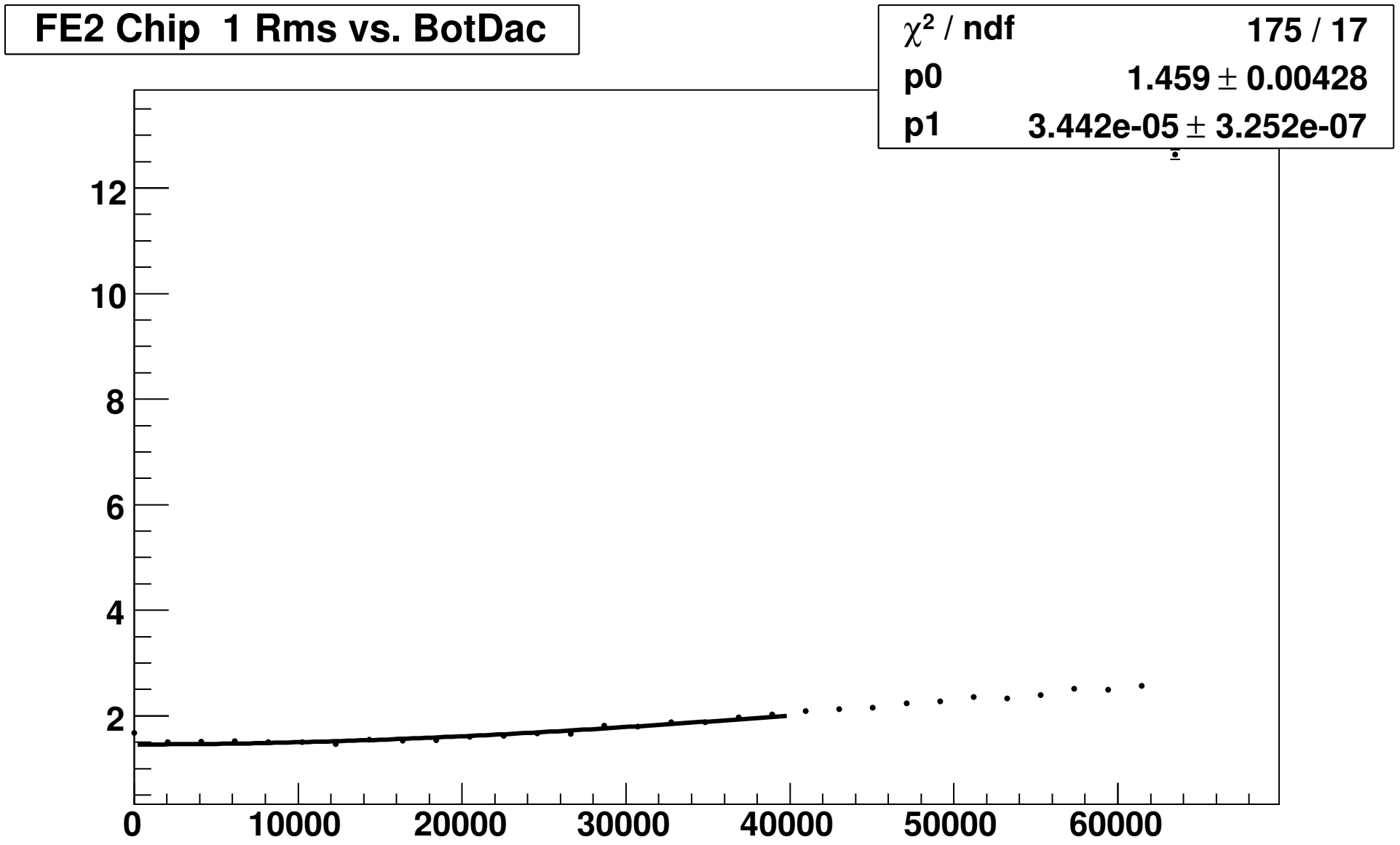

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 4.122e+04 / 17
p0 33.97 ± 0.007593
p1 0.451 ± 3.574e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

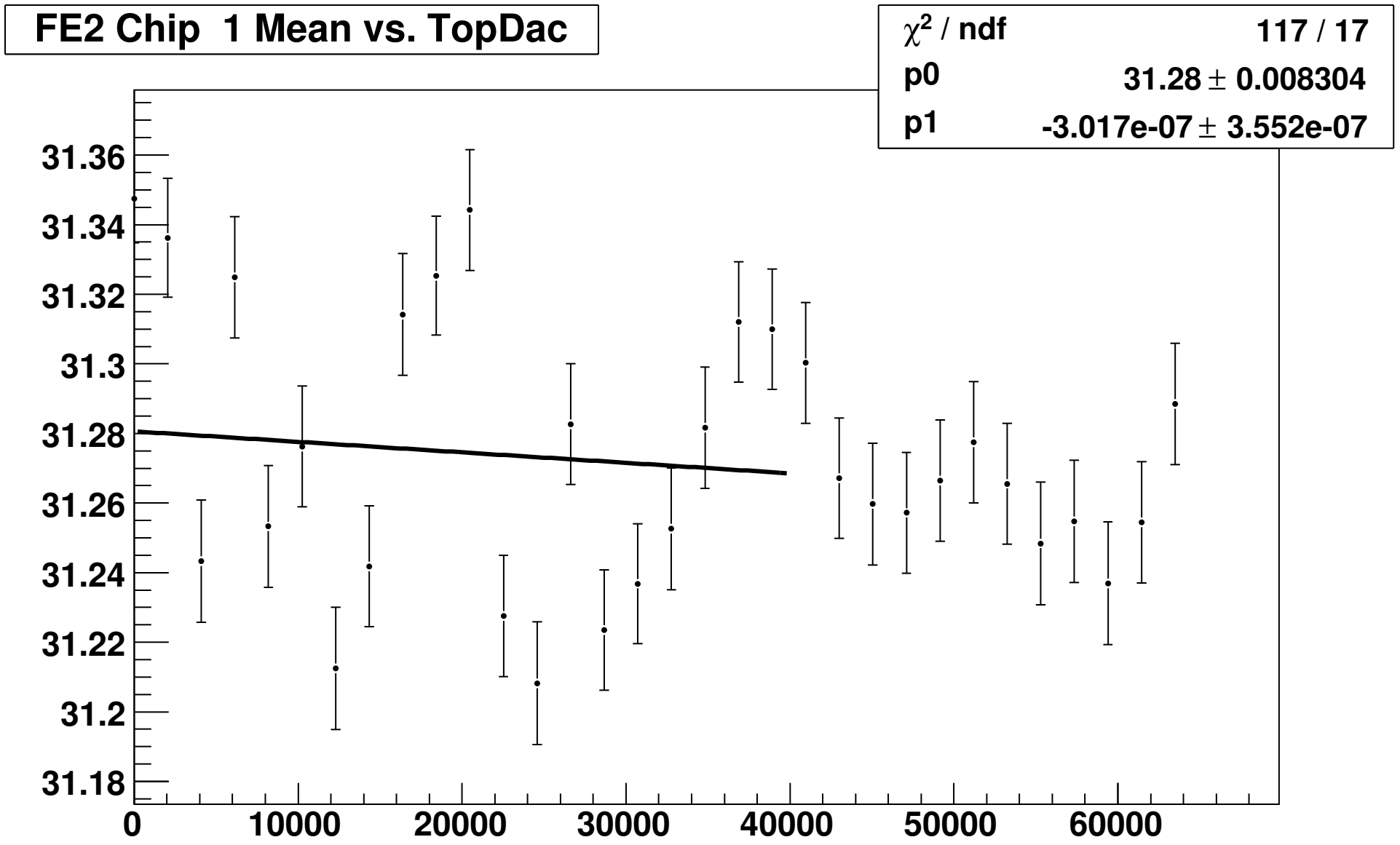

FE2 Chip 0 Rms vs. BotDac
χ² / ndf 523.8 / 17
p0 1.381 ± 0.004103
p1 3.452e-05 ± 3.017e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

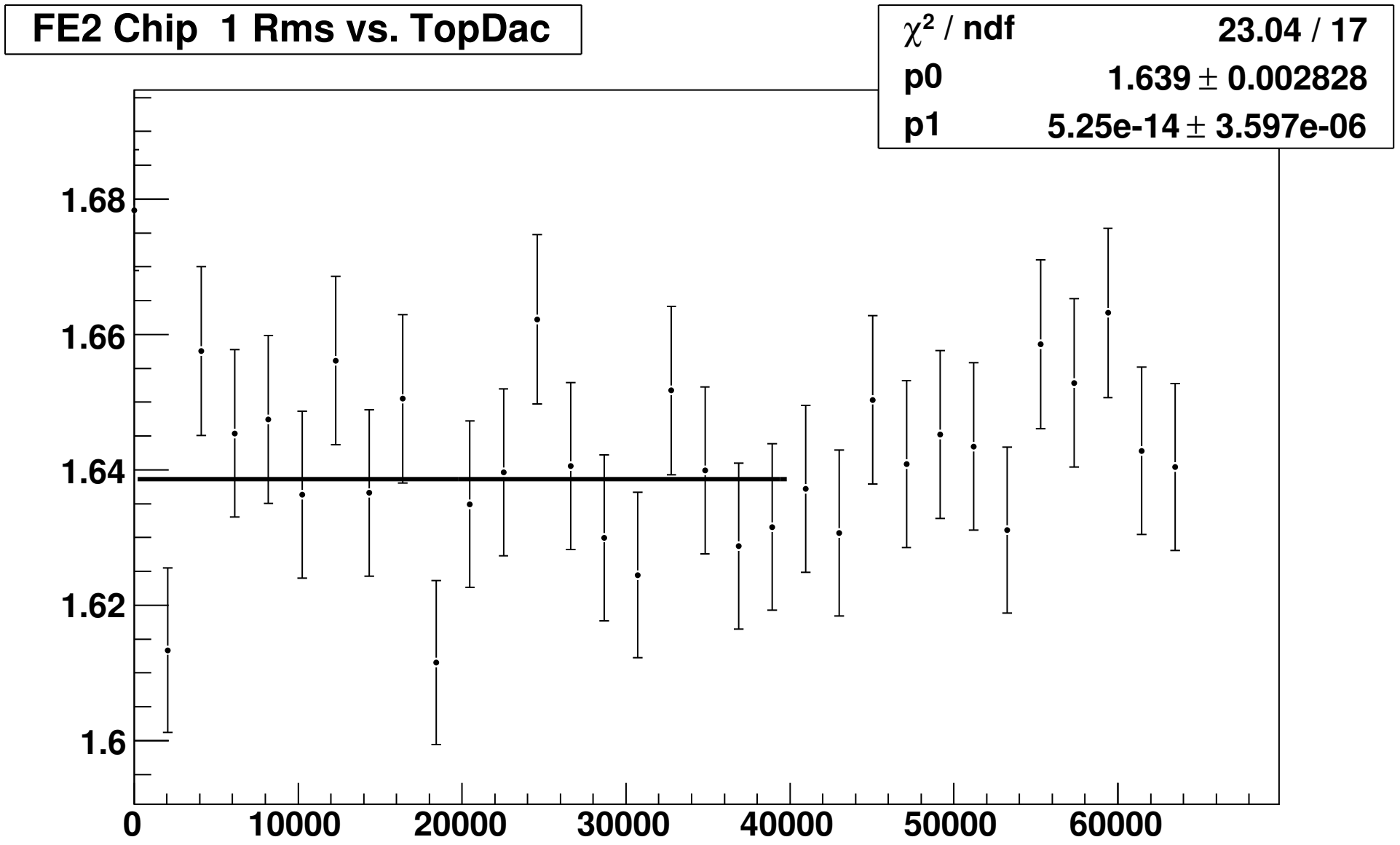

FE2 Chip 0 Mean vs. TopDac
χ² / ndf 59.34 / 17
p0 34.68 ± 0.007523
p1 1.194e-07 ± 3.224e-07
34.76
34.74
34.72
34.7
34.68
34.66
34.64
34.62
0
10000
20000
30000
40000
50000
60000

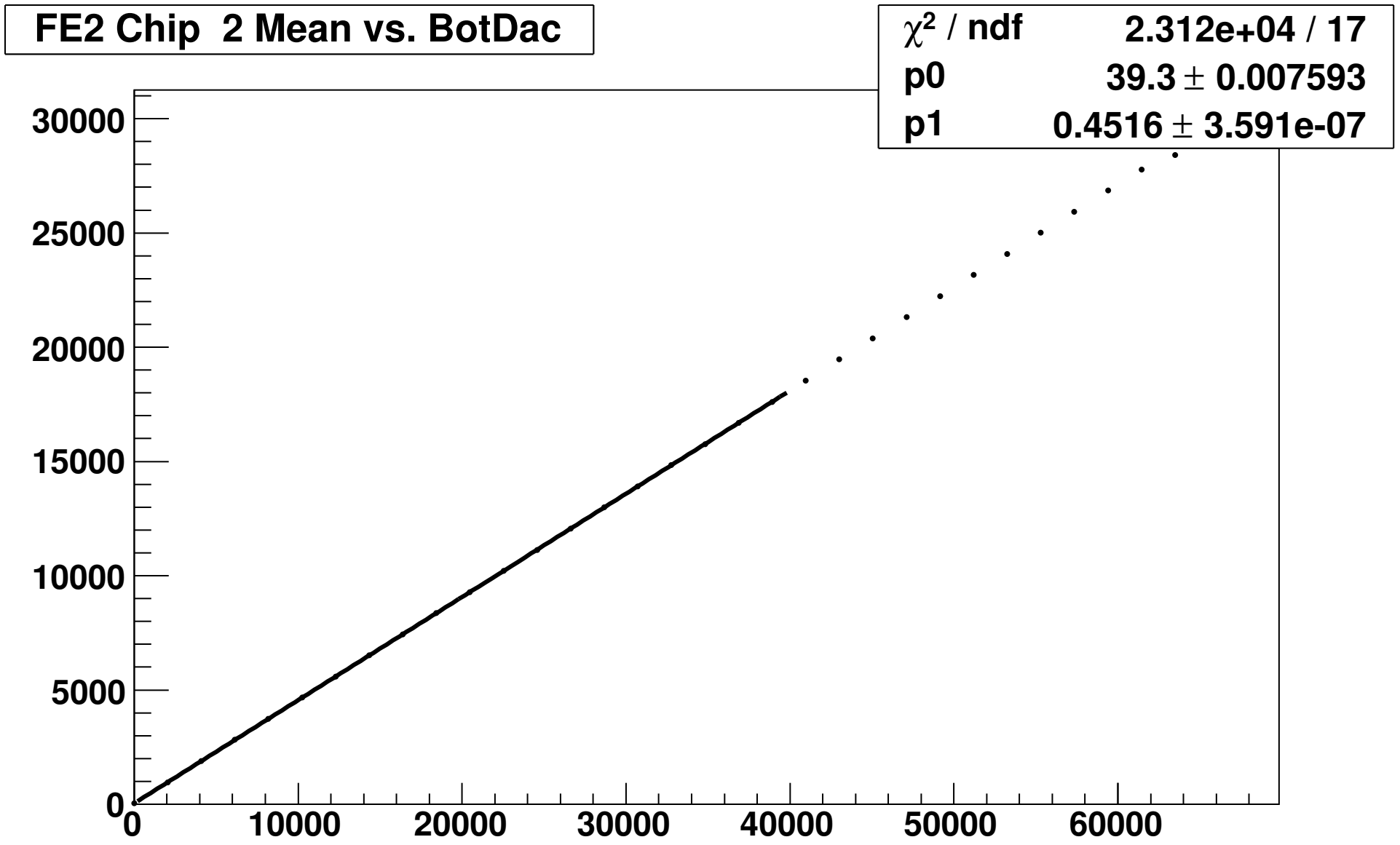

FE2 Chip 0 Rms vs. TopDac
χ² / ndf 14.8 / 17
p0 1.481 ± 0.003908
p1 2.698e-06 ± 2.976e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

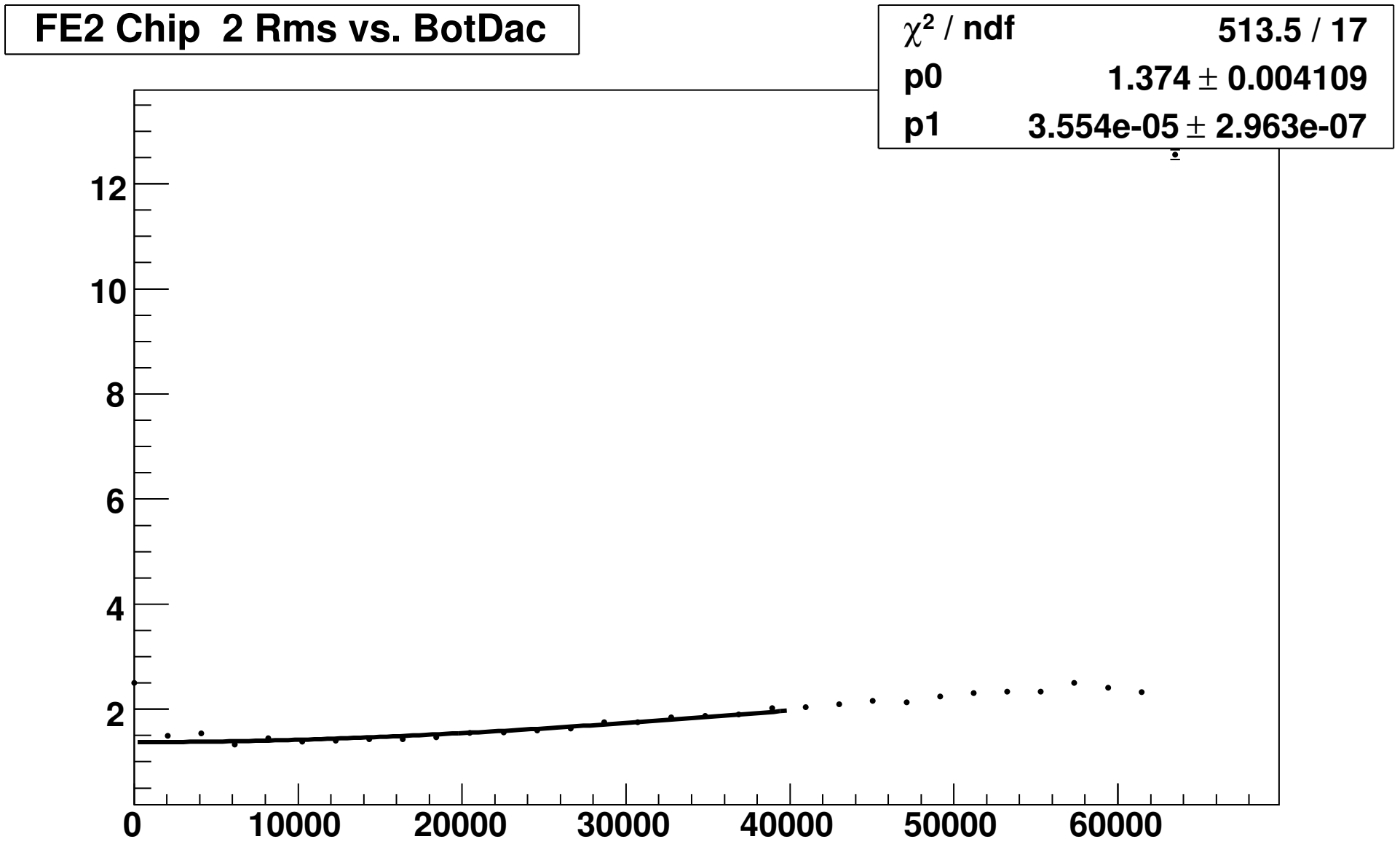

FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.65e+04 / 17
p0 30.53 ± 0.007906
p1 0.451 ± 3.692e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

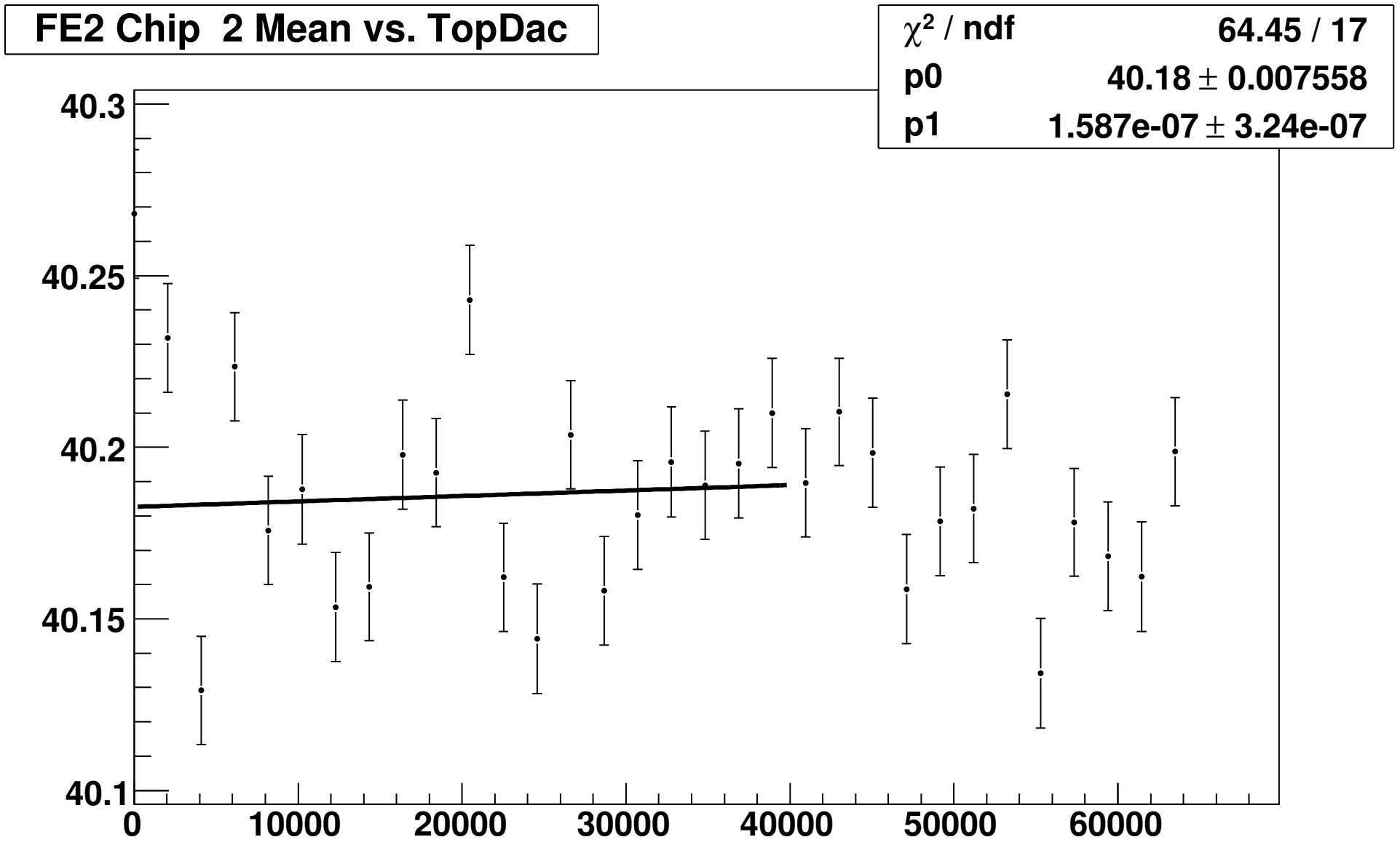

FE2 Chip 1 Rms vs. BotDac
χ² / ndf 175 / 17
p0 1.459 ± 0.00428
p1 3.442e-05 ± 3.252e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

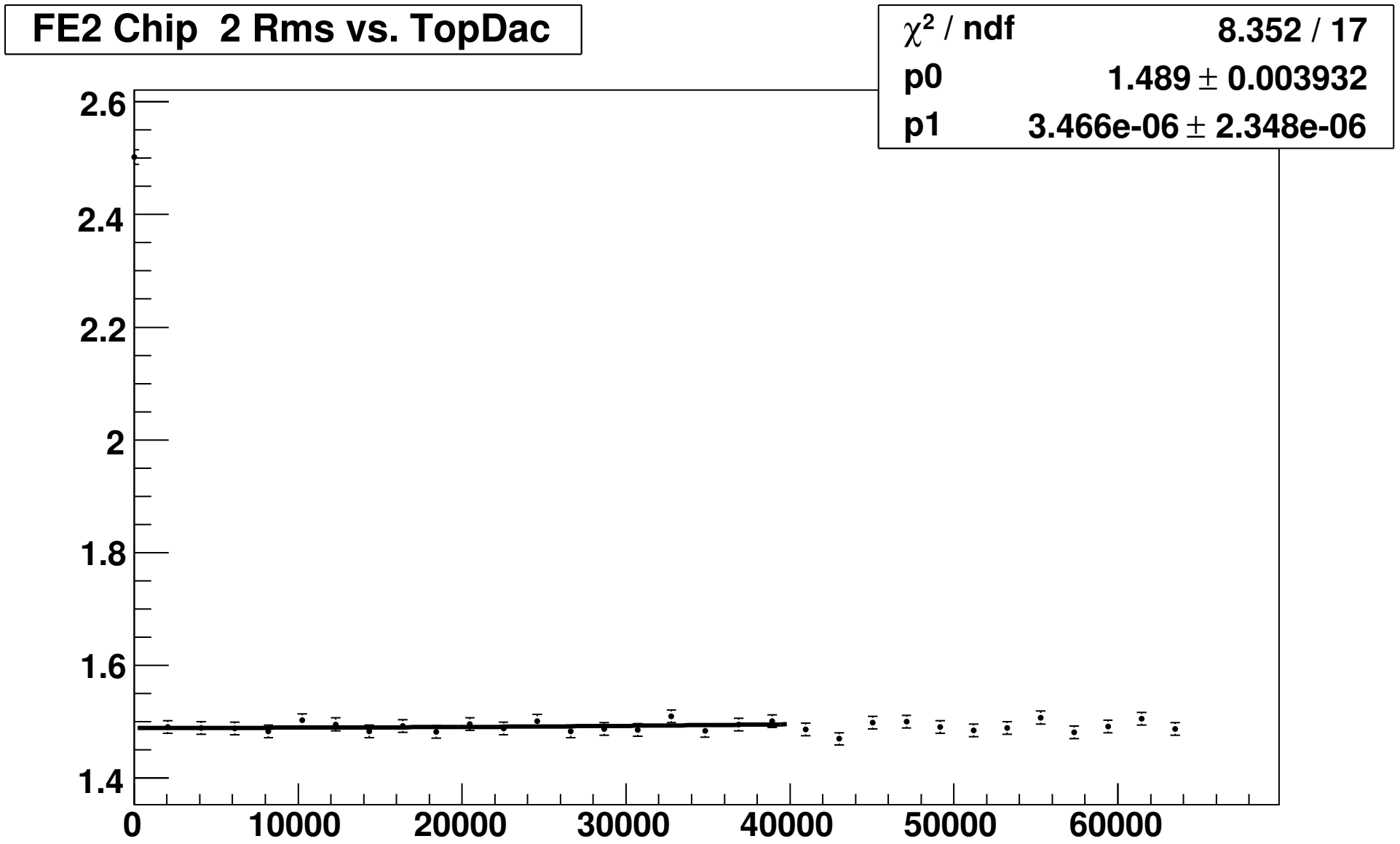

FE2 Chip 1 Mean vs. TopDac
χ² / ndf 117 / 17
p0 31.28 ± 0.008304
p1 -3.017e-07 ± 3.552e-07
31.36
31.34
31.32
31.3
31.28
31.26
31.24
31.22
31.2
31.18
0
10000
20000
30000
40000
50000
60000

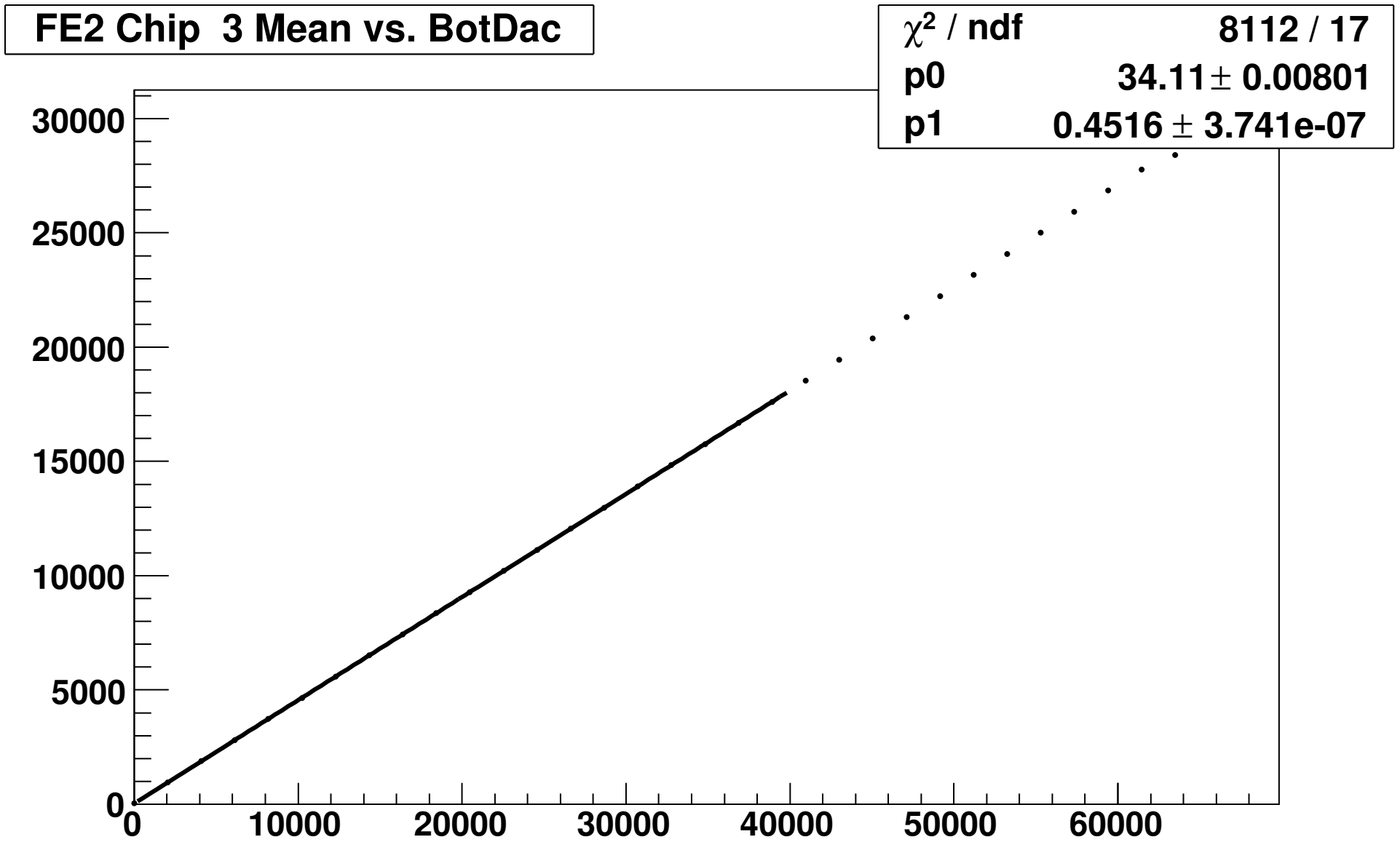

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 23.04 / 17
p0 1.639 ± 0.002828
p1 5.25e-14 ± 3.597e-06
1.68
1.66
1.64
1.62
1.6
0
10000
20000
30000
40000
50000
60000

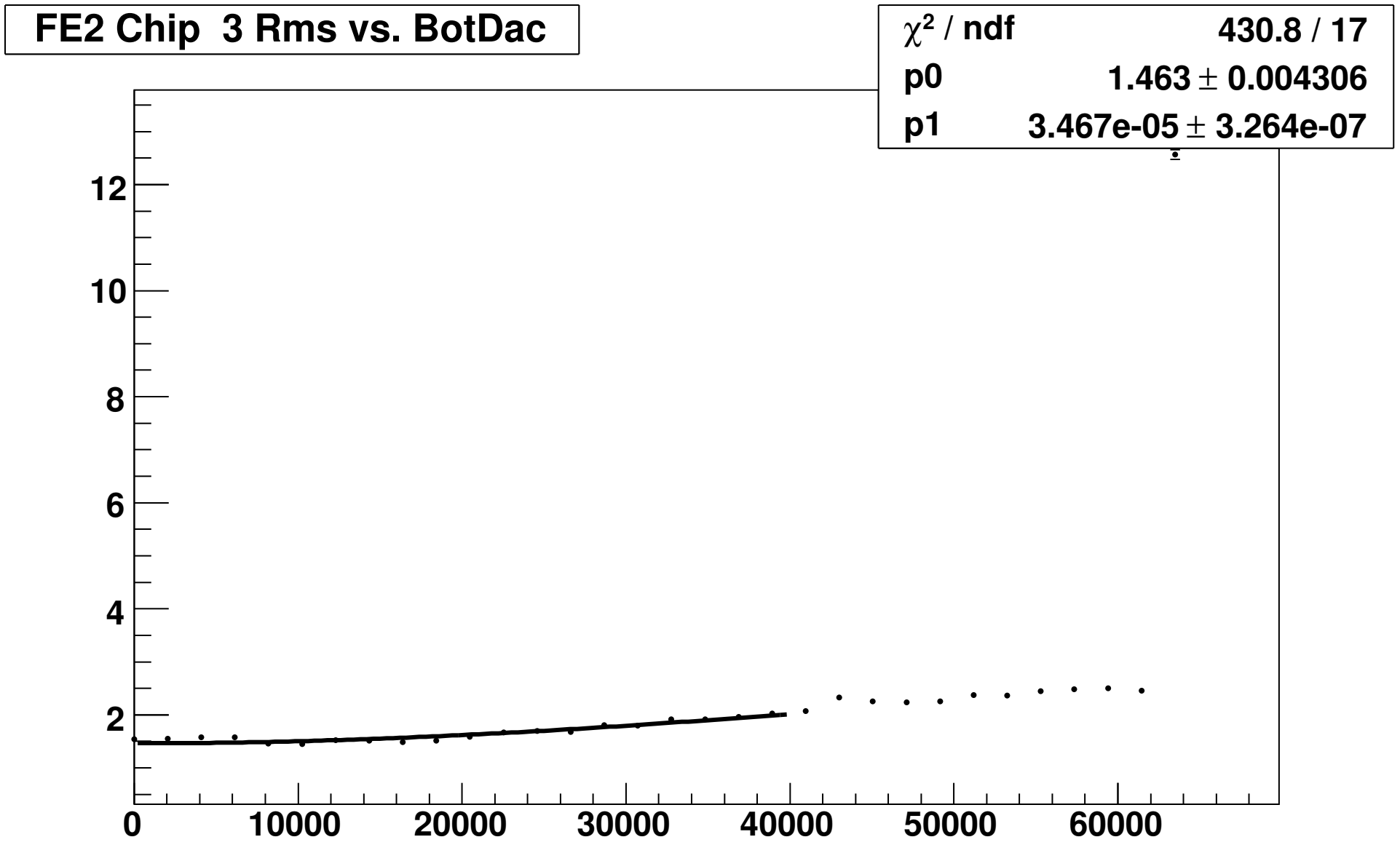

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 2.312e+04 / 17
p0 39.3 ± 0.007593
p1 0.4516 ± 3.591e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

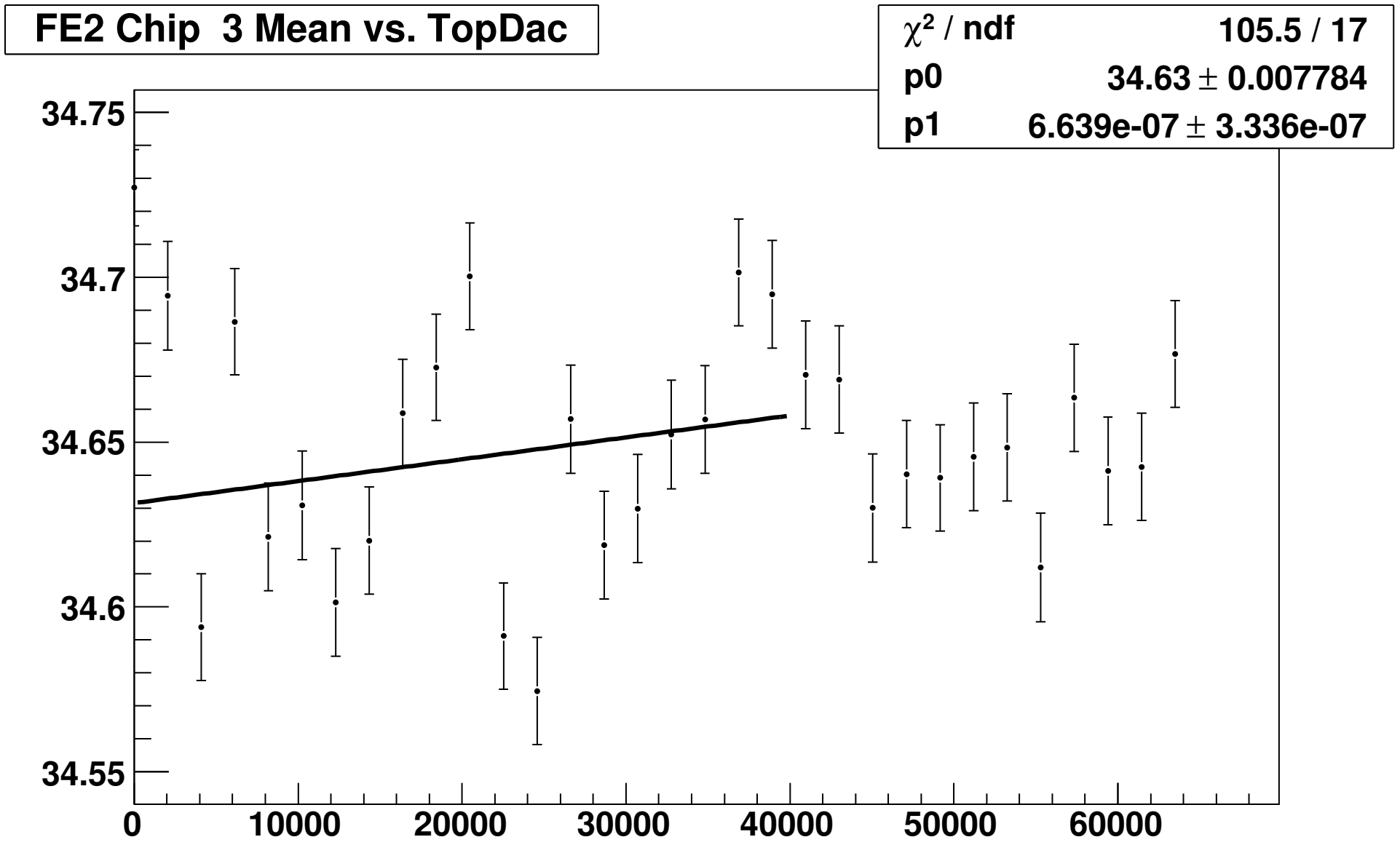

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 513.5 / 17
p0 1.374 ± 0.004109
p1 3.554e-05 ± 2.963e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

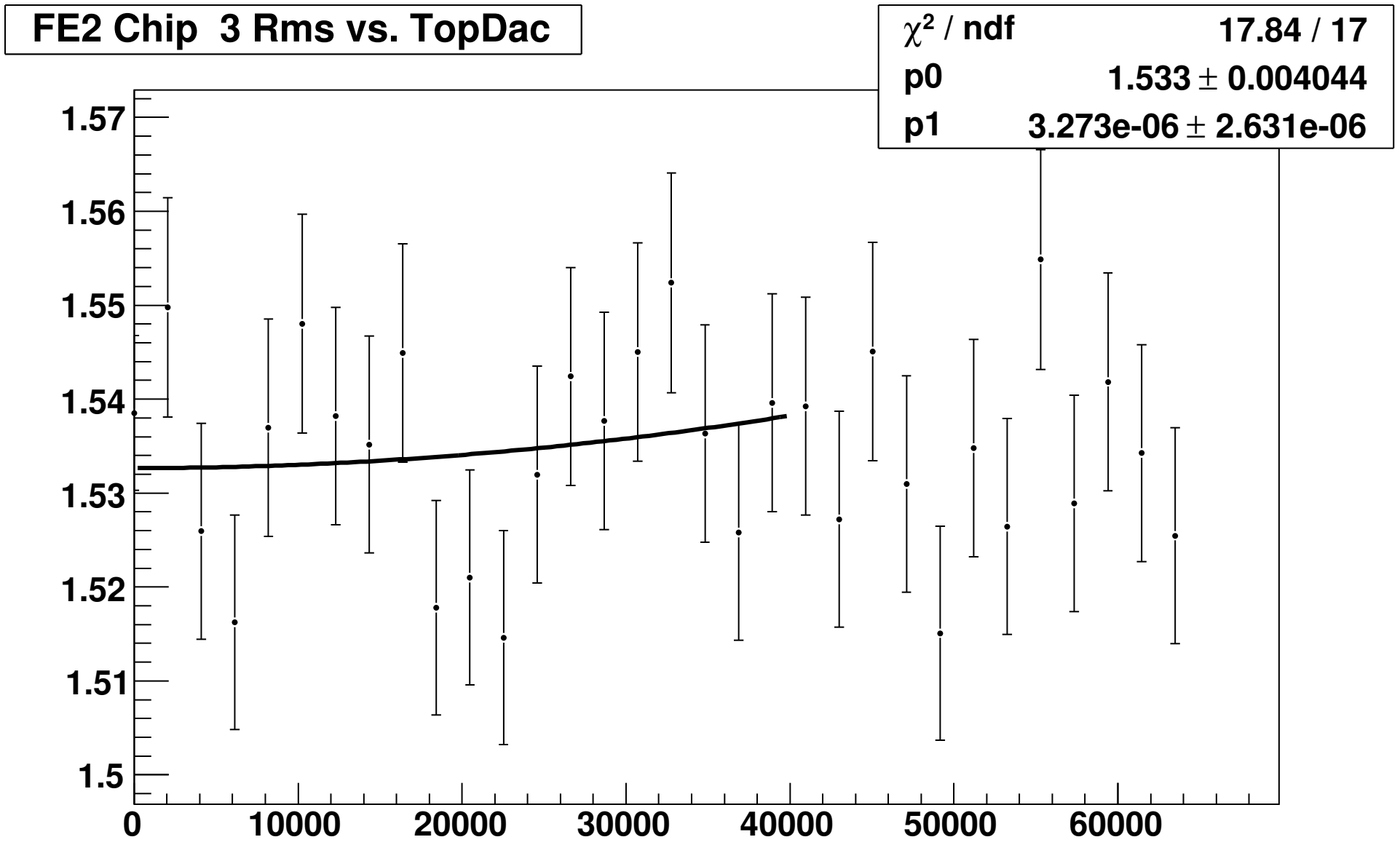

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 64.45 / 17
p0 40.18 ± 0.007558
p1 1.587e-07 ± 3.24e-07
40.3
40.25
40.2
40.15
40.1
0
10000
20000
30000
40000
50000
60000

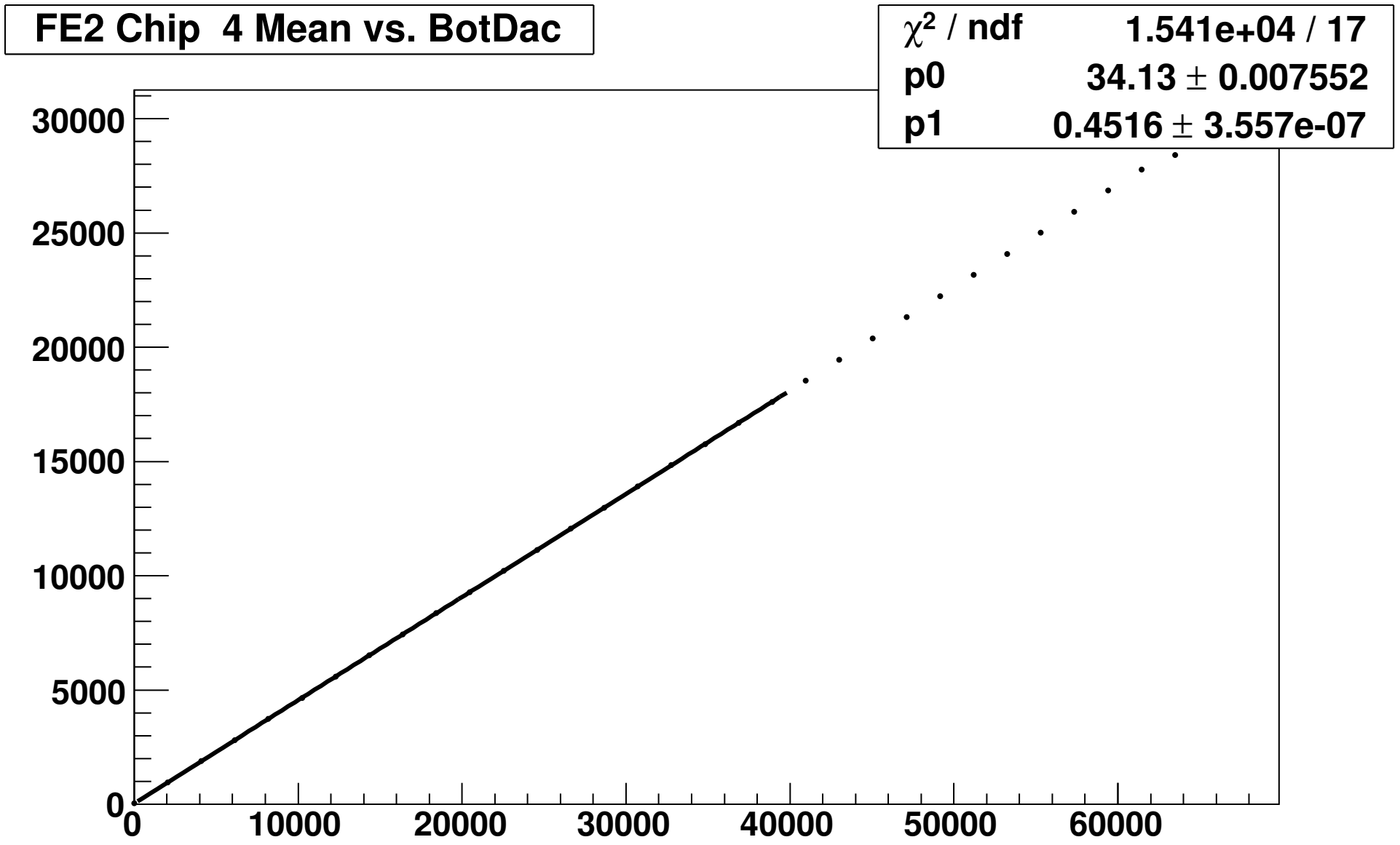

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 8.352 / 17
p0 1.489 ± 0.003932
p1 3.466e-06 ± 2.348e-06
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

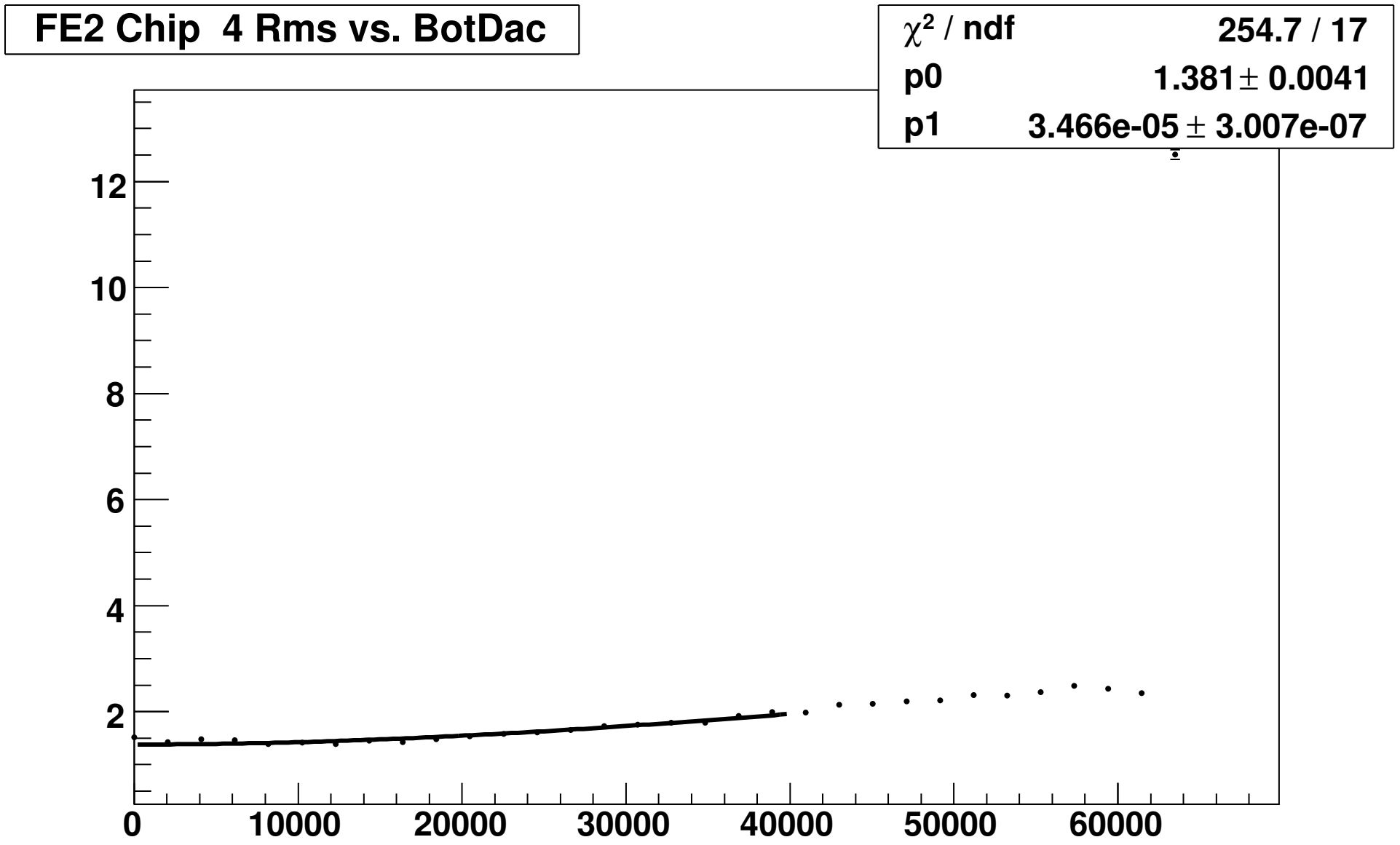

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 8112 / 17
p0 34.11 ± 0.00801
p1 0.4516 ± 3.741e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

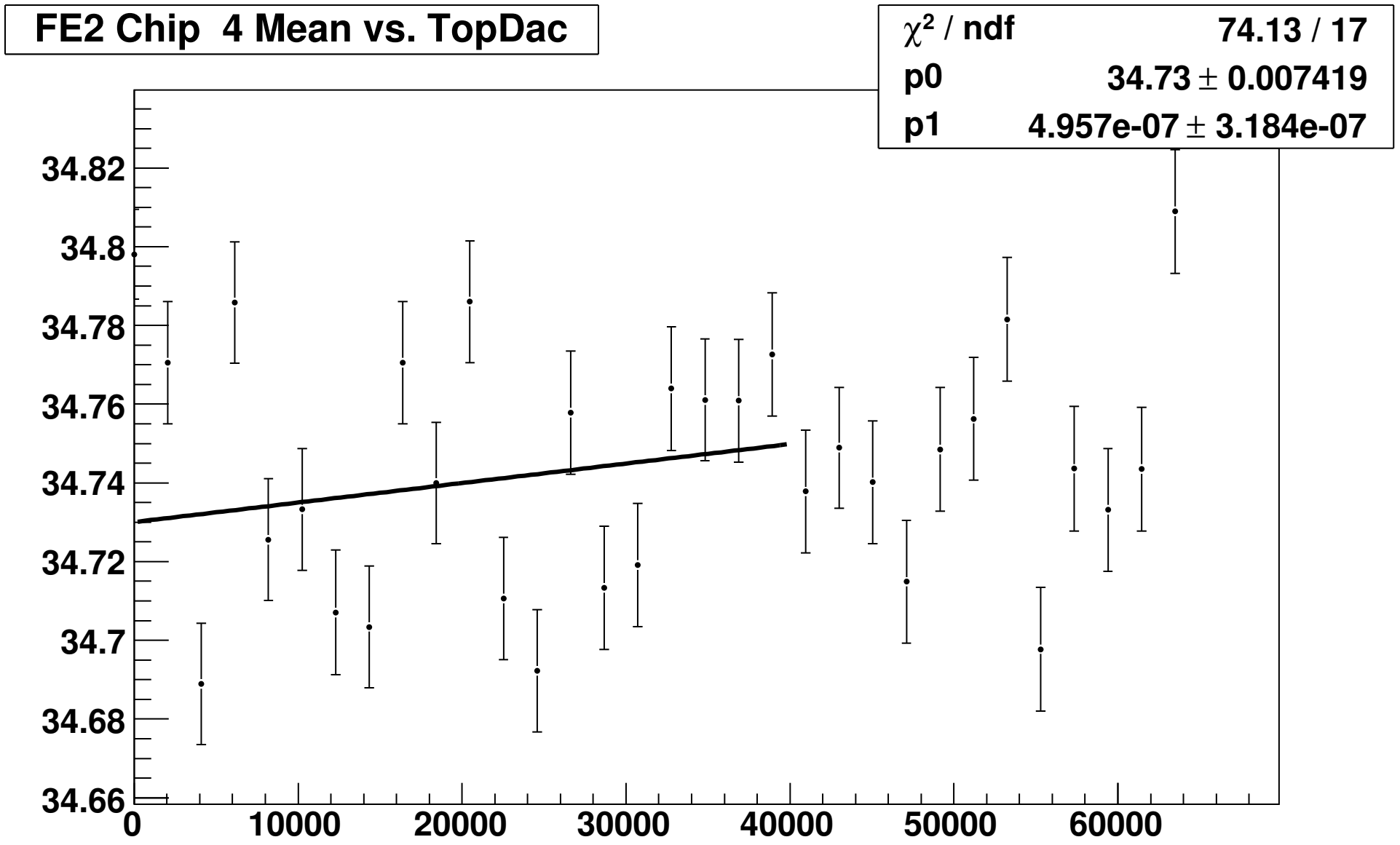

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 430.8 / 17
p0 1.463 ± 0.004306
p1 3.467e-05 ± 3.264e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

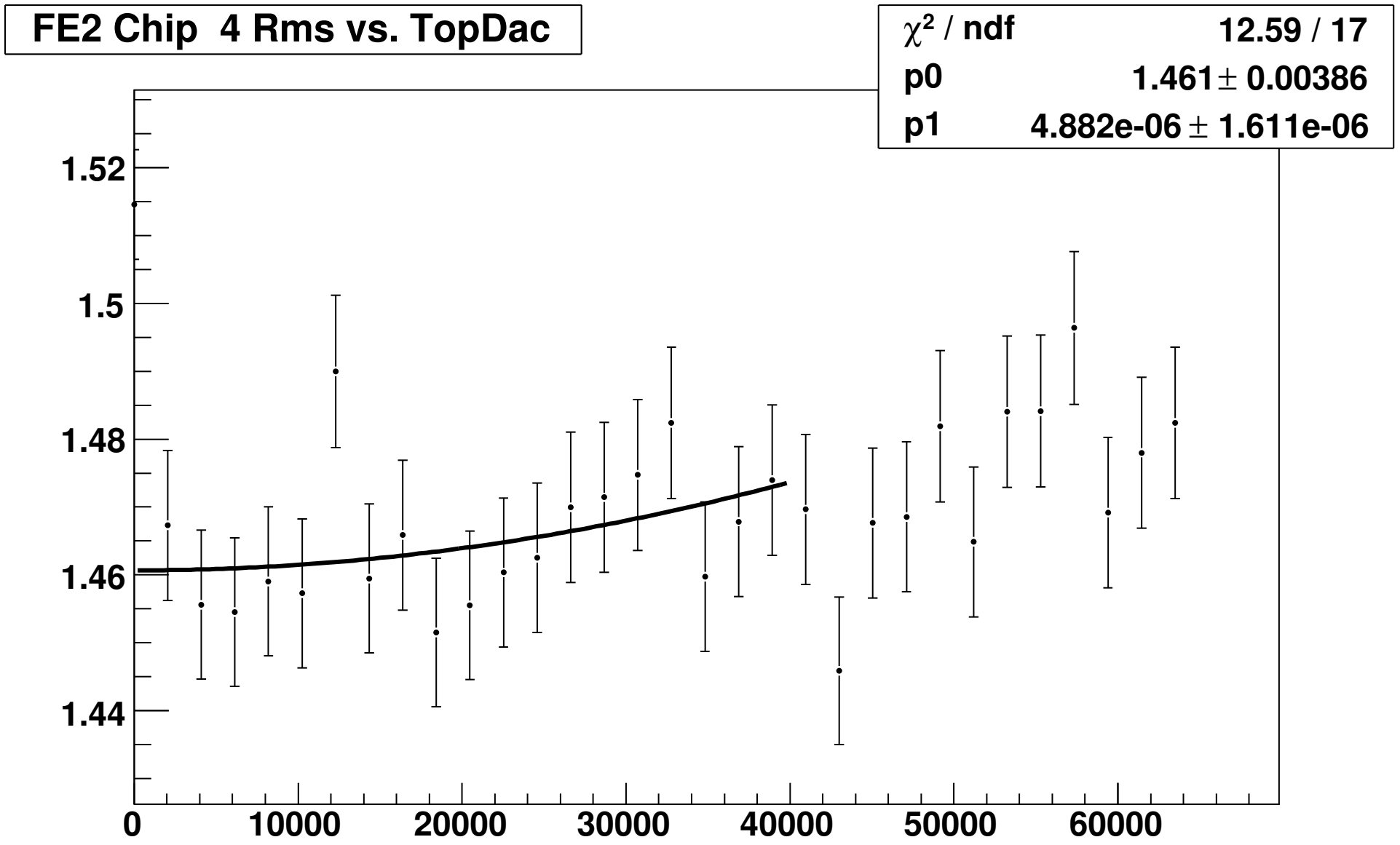

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 105.5 / 17
p0 34.63 ± 0.007784
p1 6.639e-07 ± 3.336e-07
34.75
34.7
34.65
34.6
34.55
0
10000
20000
30000
40000
50000
60000

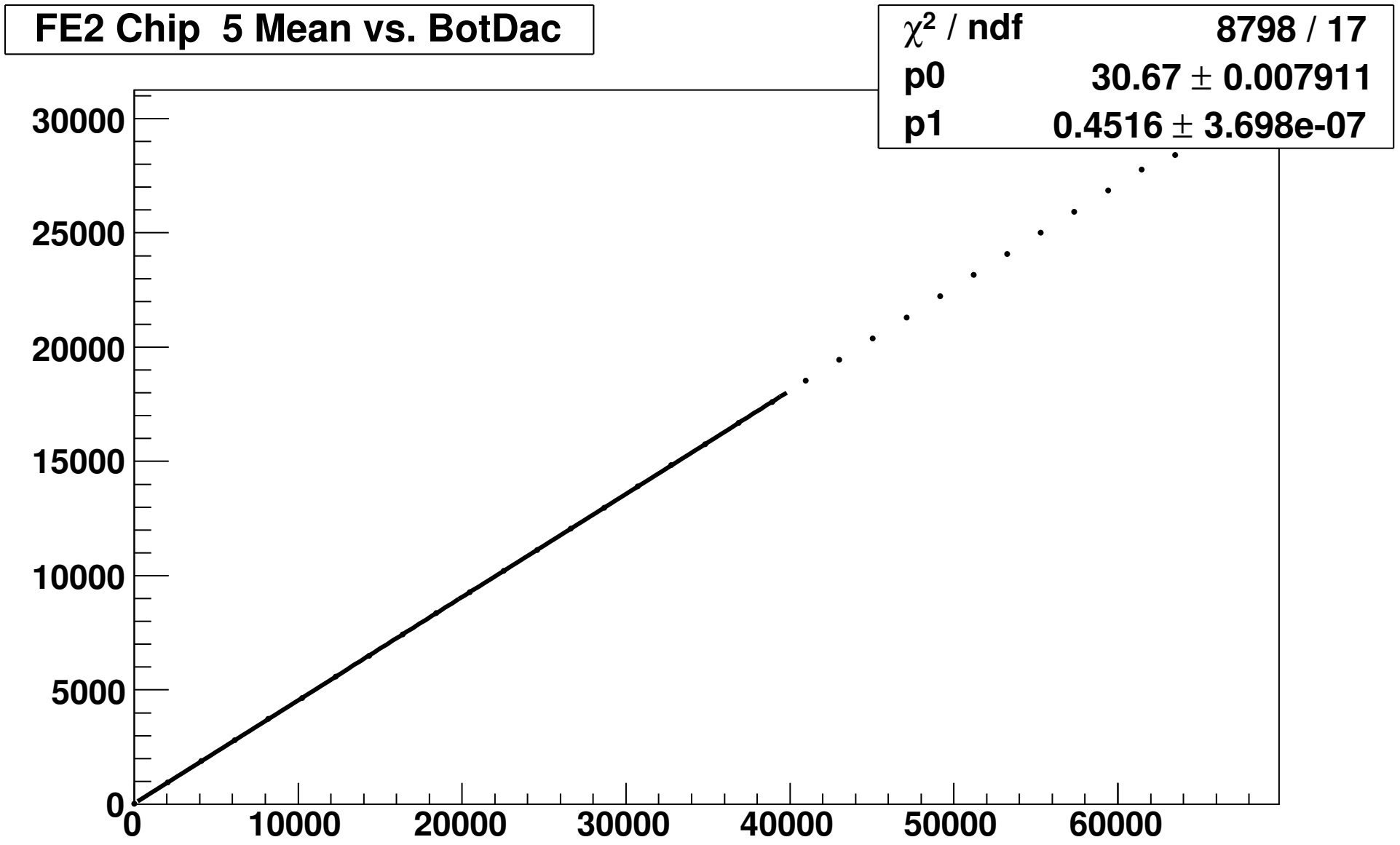

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 17.84 / 17
p0 1.533 ± 0.004044
p1 3.273e-06 ± 2.631e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

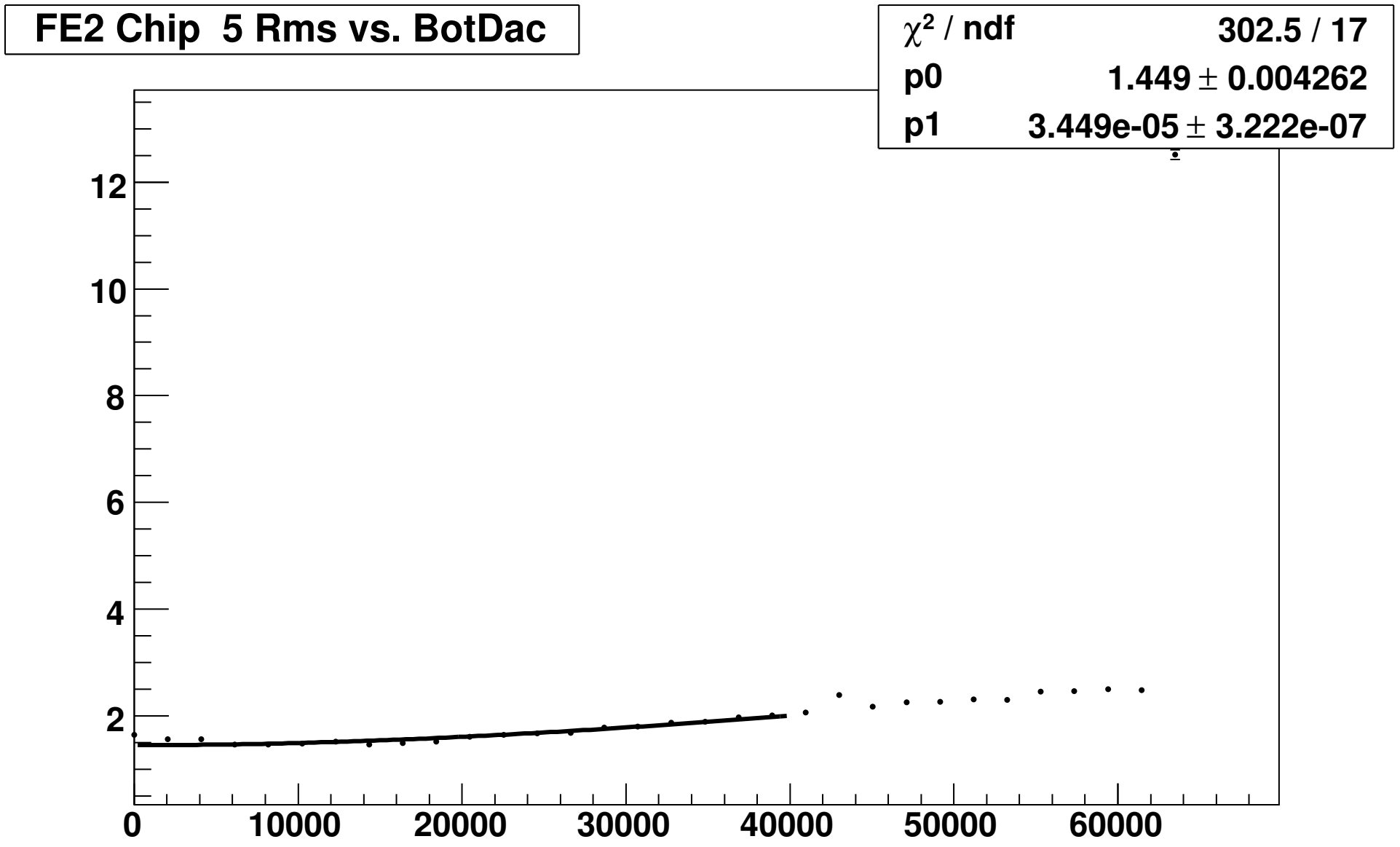

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1.541e+04 / 17
p0 34.13 ± 0.007552
p1 0.4516 ± 3.557e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

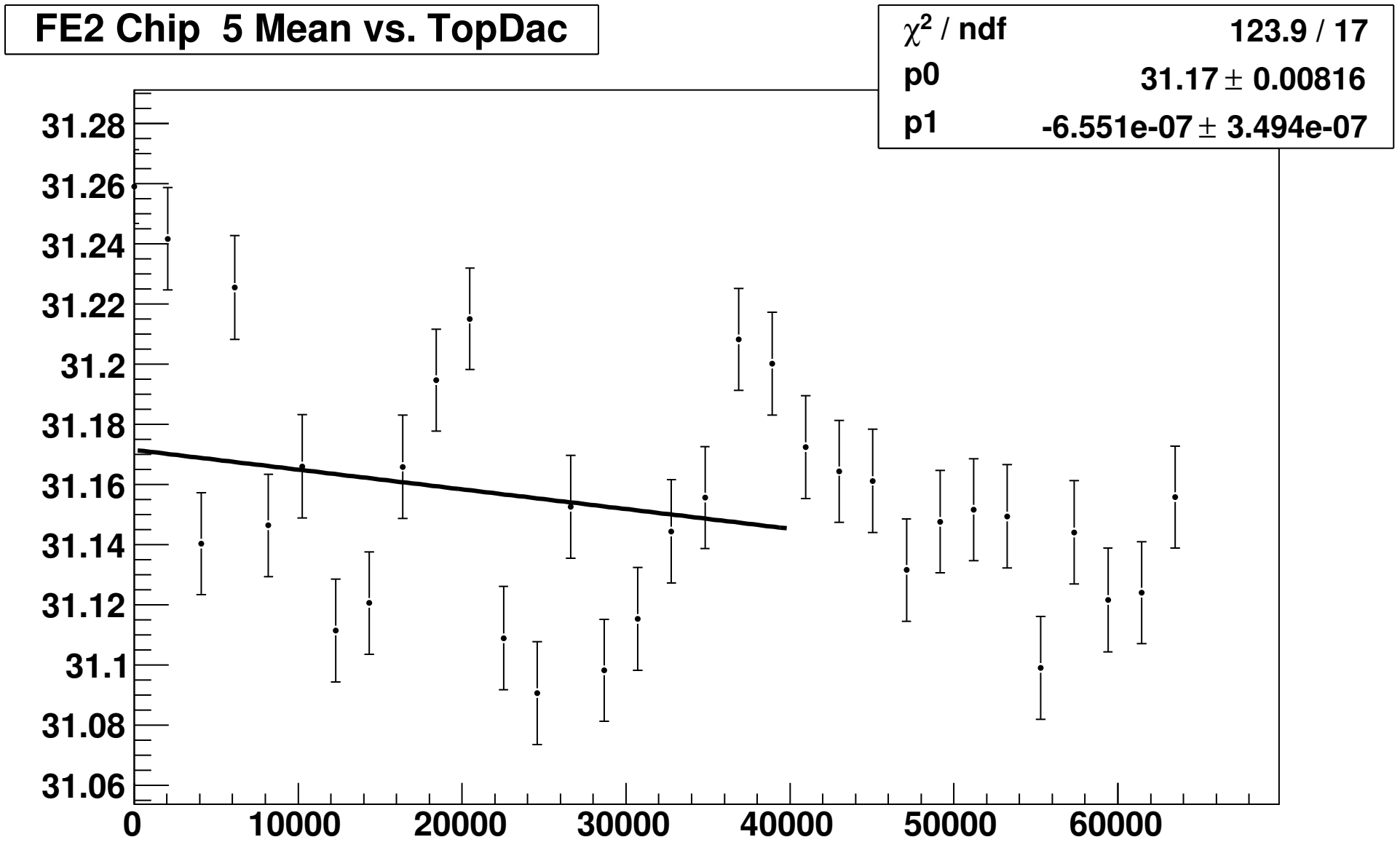

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 254.7 / 17
p0 1.381 ± 0.0041
p1 3.466e-05 ± 3.007e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

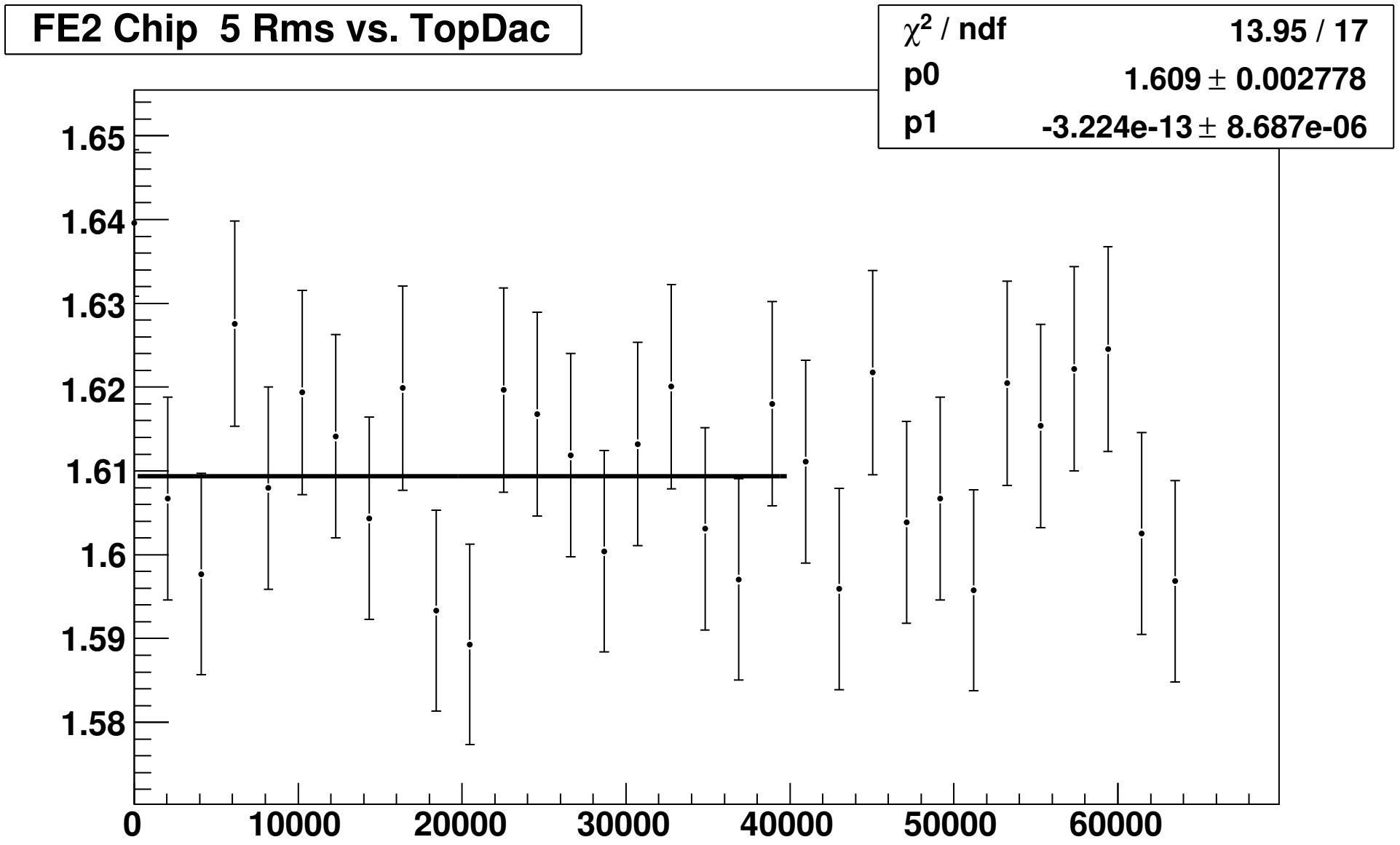

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 74.13 / 17
p0 34.73 ± 0.007419
p1 4.957e-07 ± 3.184e-07
34.82
34.8
34.78
34.76
34.74
34.72
34.7
34.68
34.66
0
10000
20000
30000
40000
50000
60000

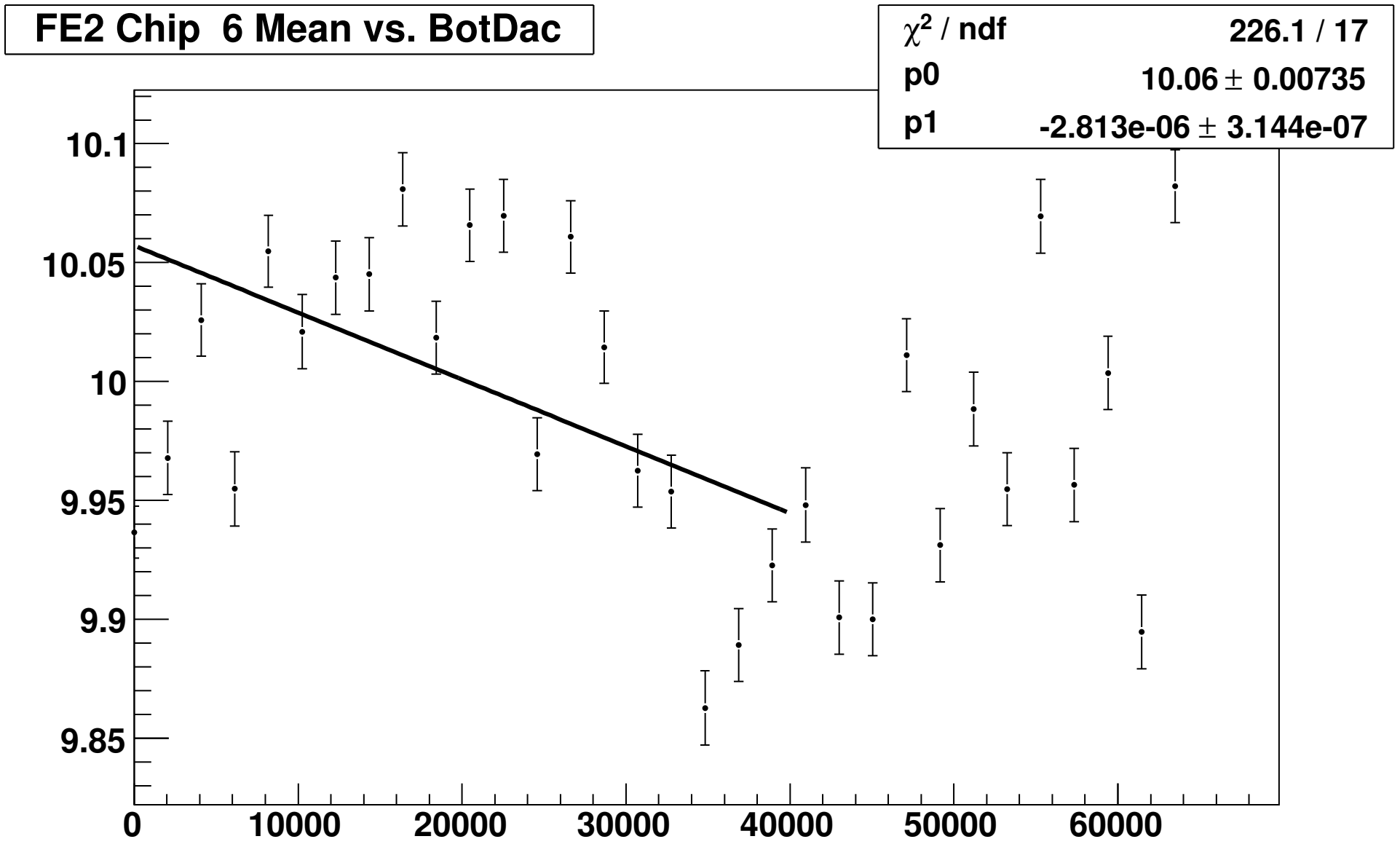

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 12.59 / 17
p0 1.461 ± 0.00386
p1 4.882e-06 ± 1.611e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

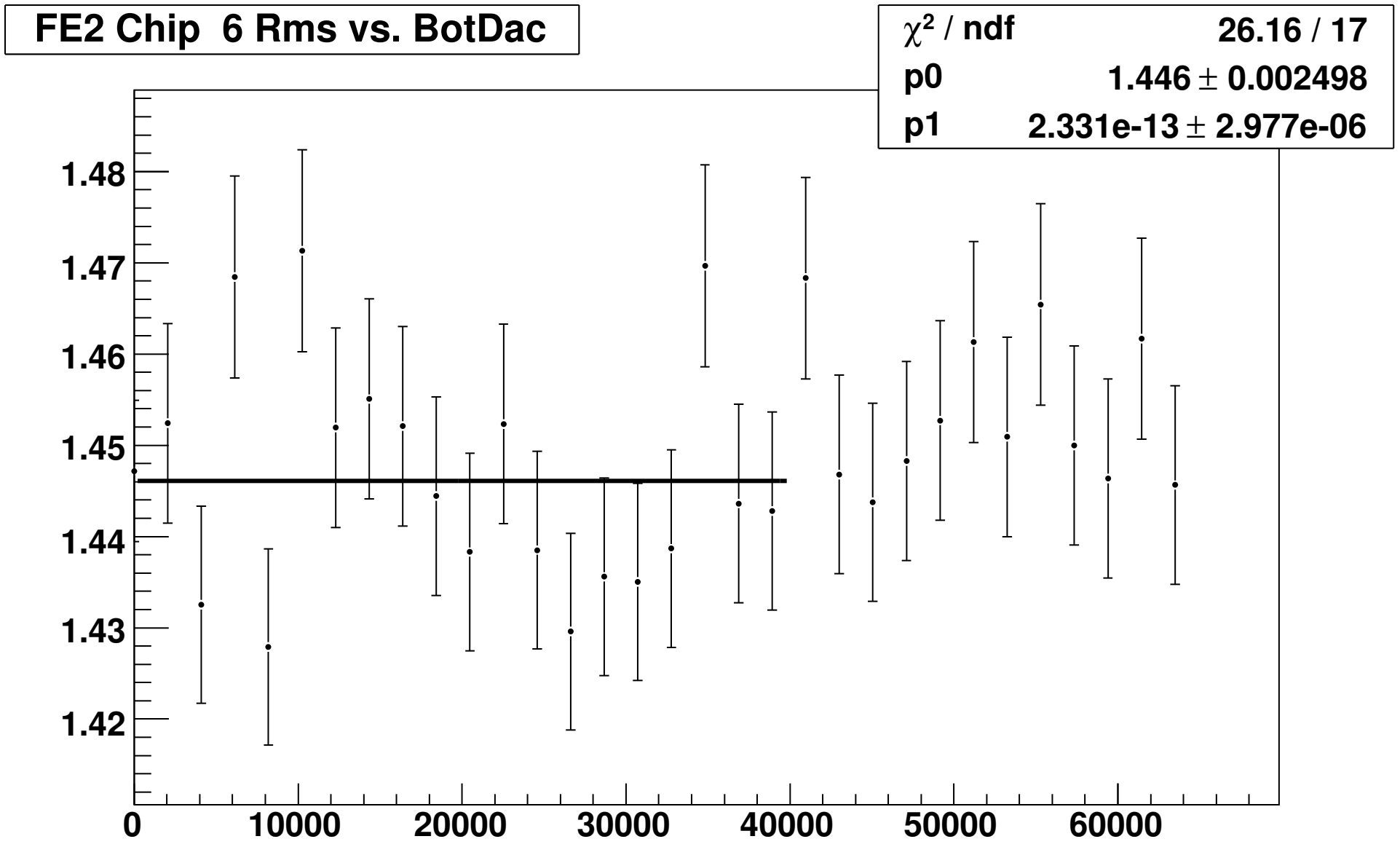

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 8798 / 17
p0 30.67 ± 0.007911
p1 0.4516 ± 3.698e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

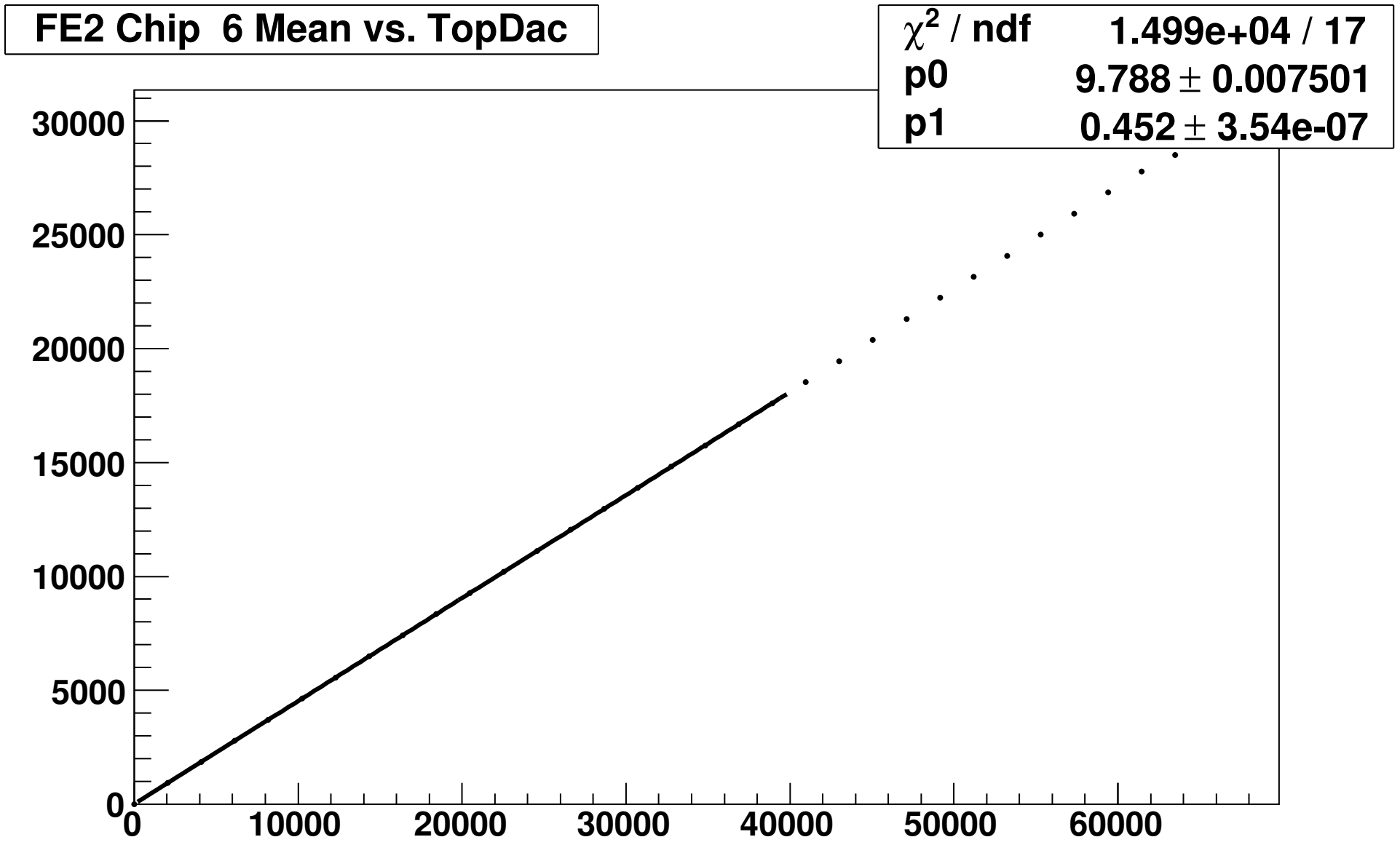

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 302.5 / 17
p0 1.449 ± 0.004262
p1 3.449e-05 ± 3.222e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

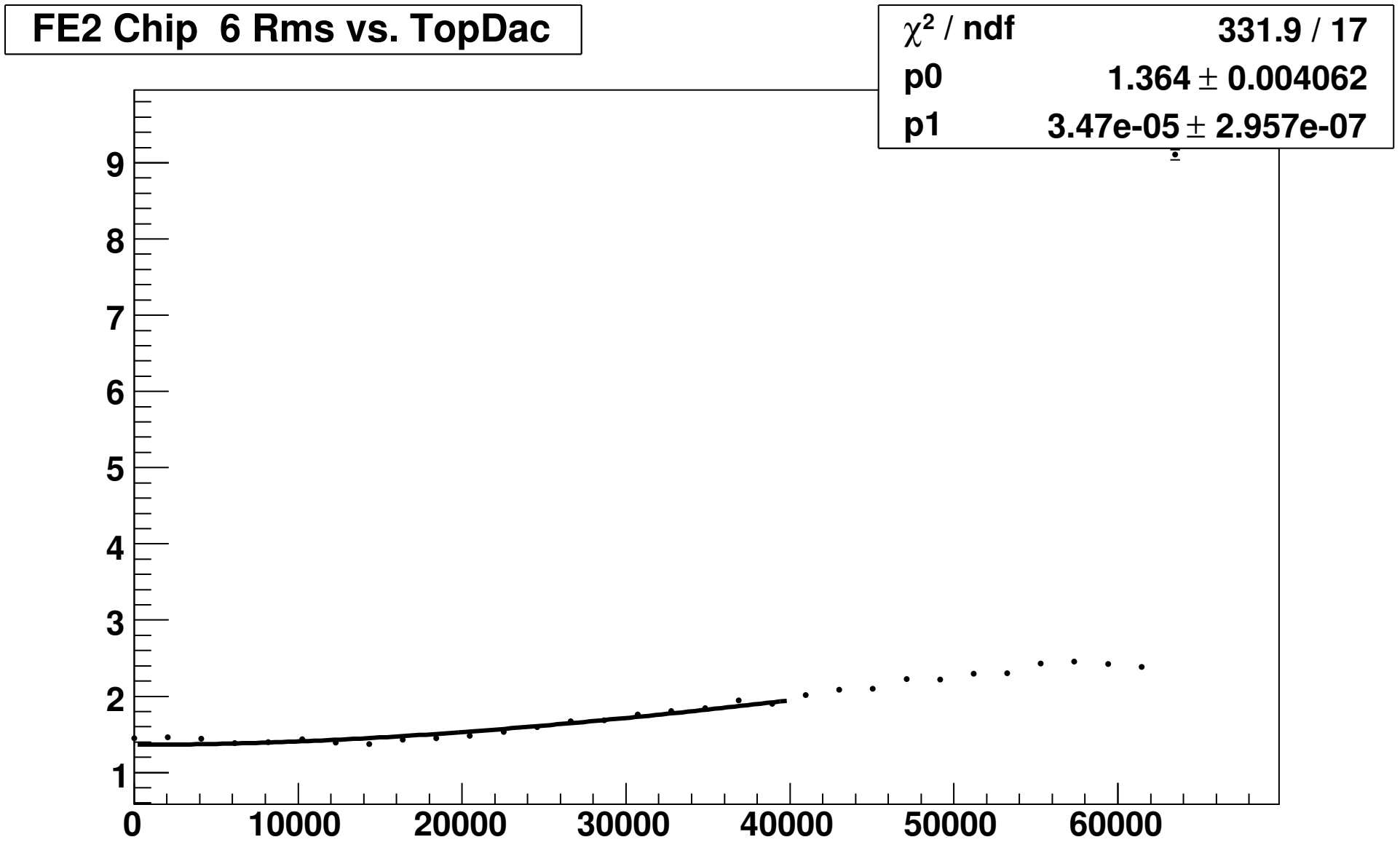

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 123.9 / 17
p0 31.17 ± 0.00816
p1 -6.551e-07 ± 3.494e-07
31.28
31.26
31.24
31.22
31.2
31.18
31.16
31.14
31.12
31.1
31.08
31.06
0
10000
20000
30000
40000
50000
60000

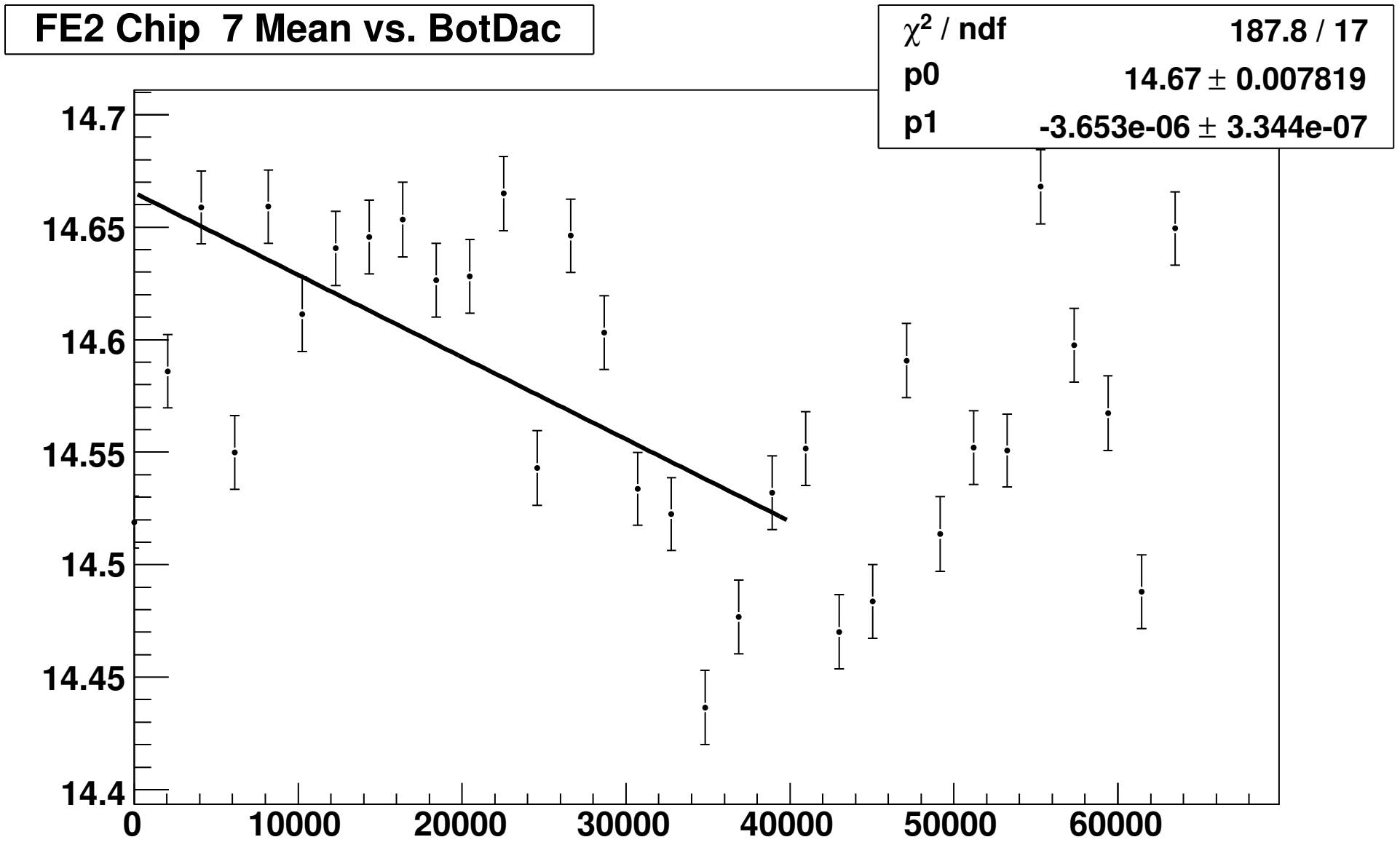

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 13.95 / 17
p0 1.609 ± 0.002778
p1 -3.224e-13 ± 8.687e-06
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
0
10000
20000
30000
40000
50000
60000

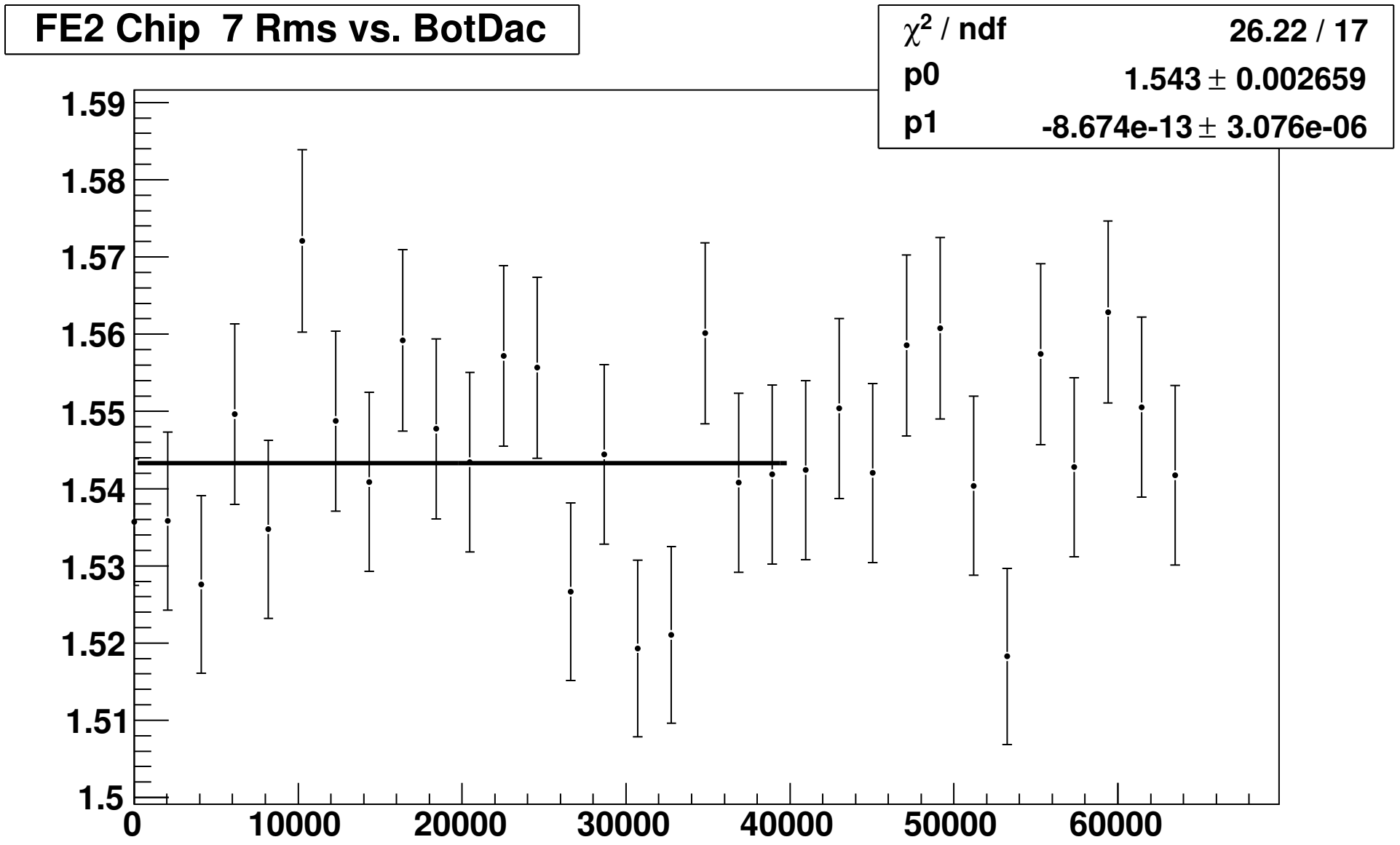

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 226.1 / 17
p0 10.06 ± 0.00735
p1 -2.813e-06 ± 3.144e-07
10.1
10.05
10
9.95
9.9
9.85
0
10000
20000
30000
40000
50000
60000

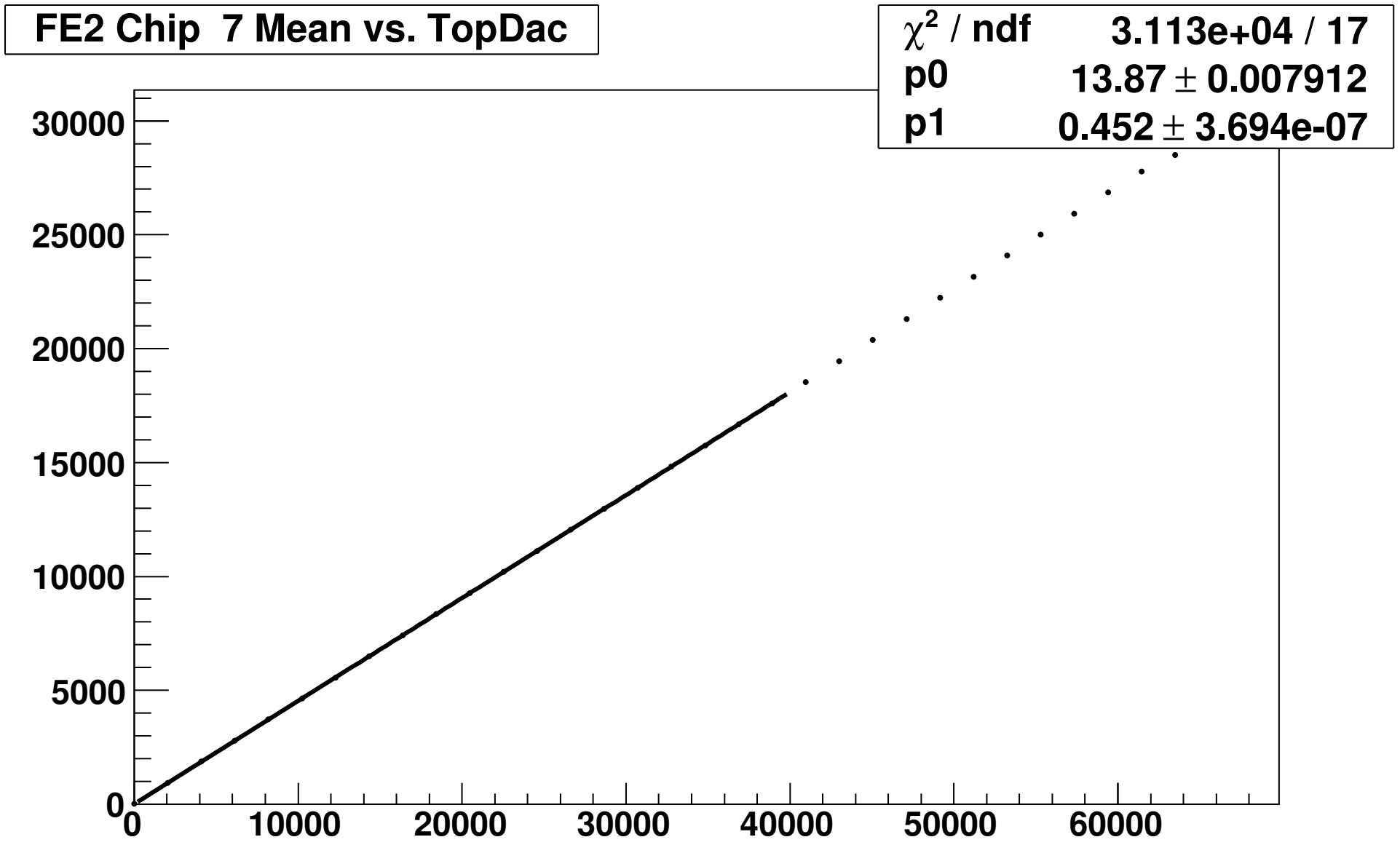

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 26.16 / 17
p0 1.446 ± 0.002498
p1 2.331e-13 ± 2.977e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

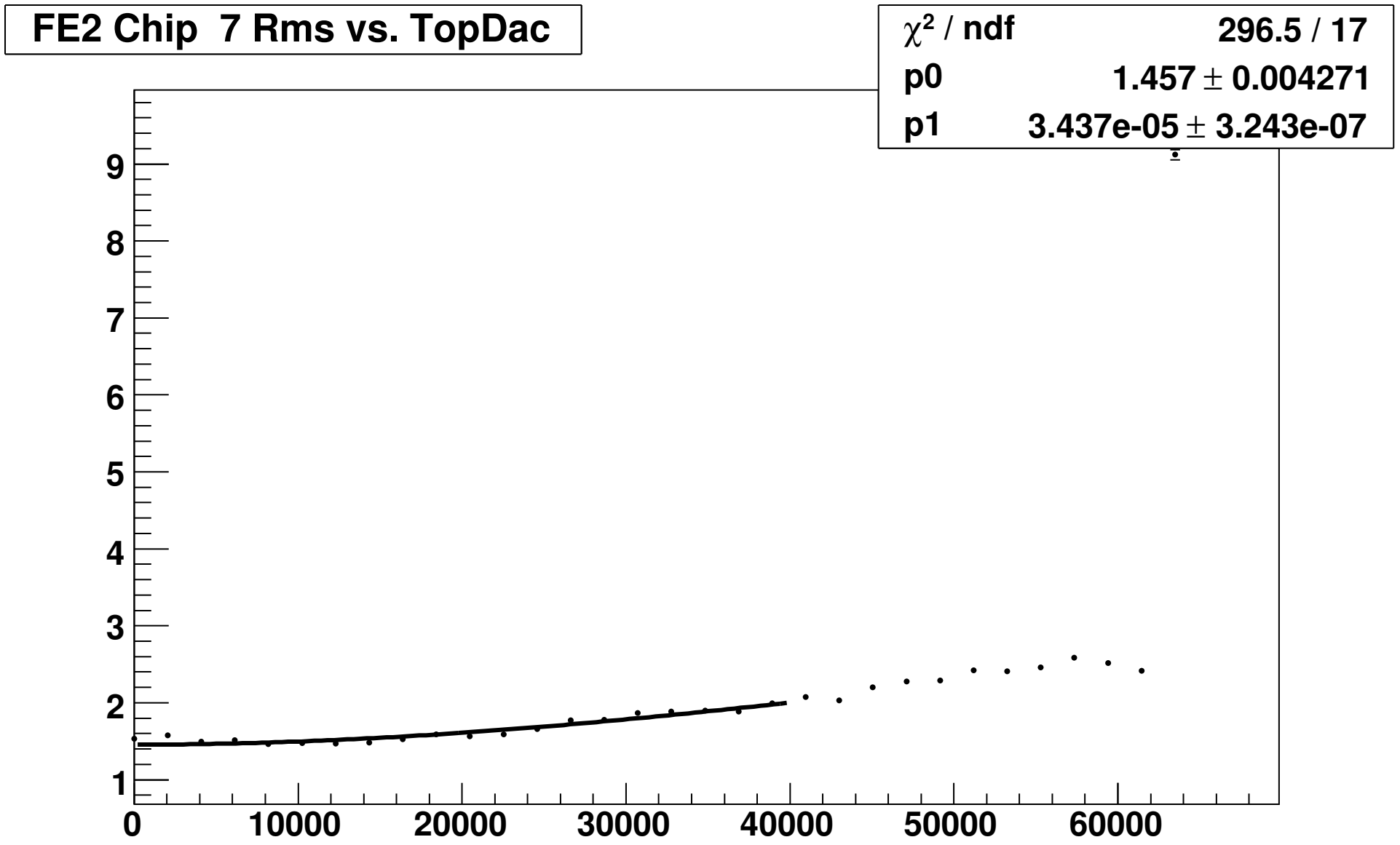

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.499e+04 / 17
p0 9.788 ± 0.007501
p1 0.452 ± 3.54e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

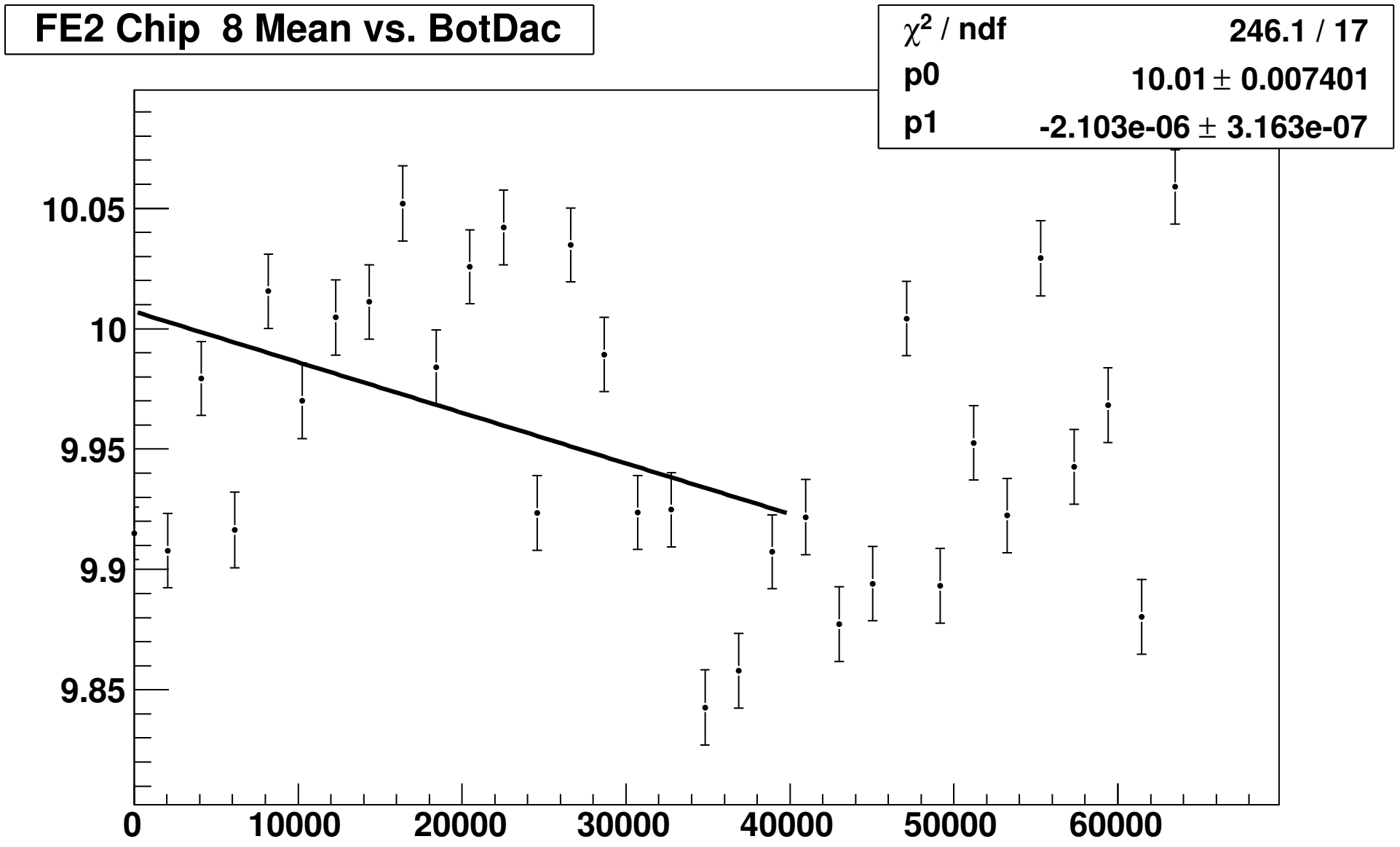

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 331.9 / 17
p0 1.364 ± 0.004062
p1 3.47e-05 ± 2.957e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

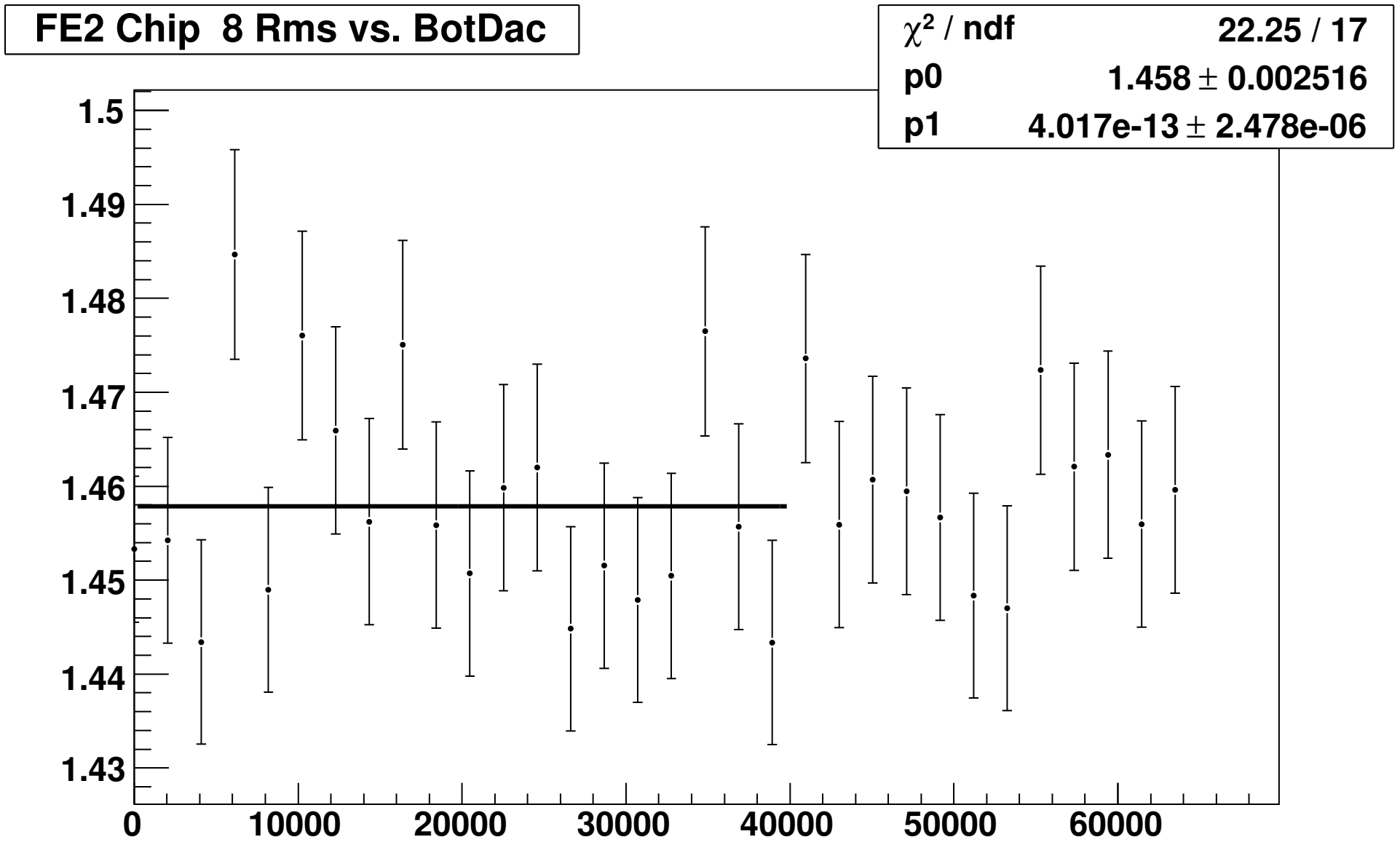

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 187.8 / 17
p0 14.67 ± 0.007819
p1 -3.653e-06 ± 3.344e-07
14.7
14.65
14.6
14.55
14.5
14.45
14.4
0
10000
20000
30000
40000
50000
60000

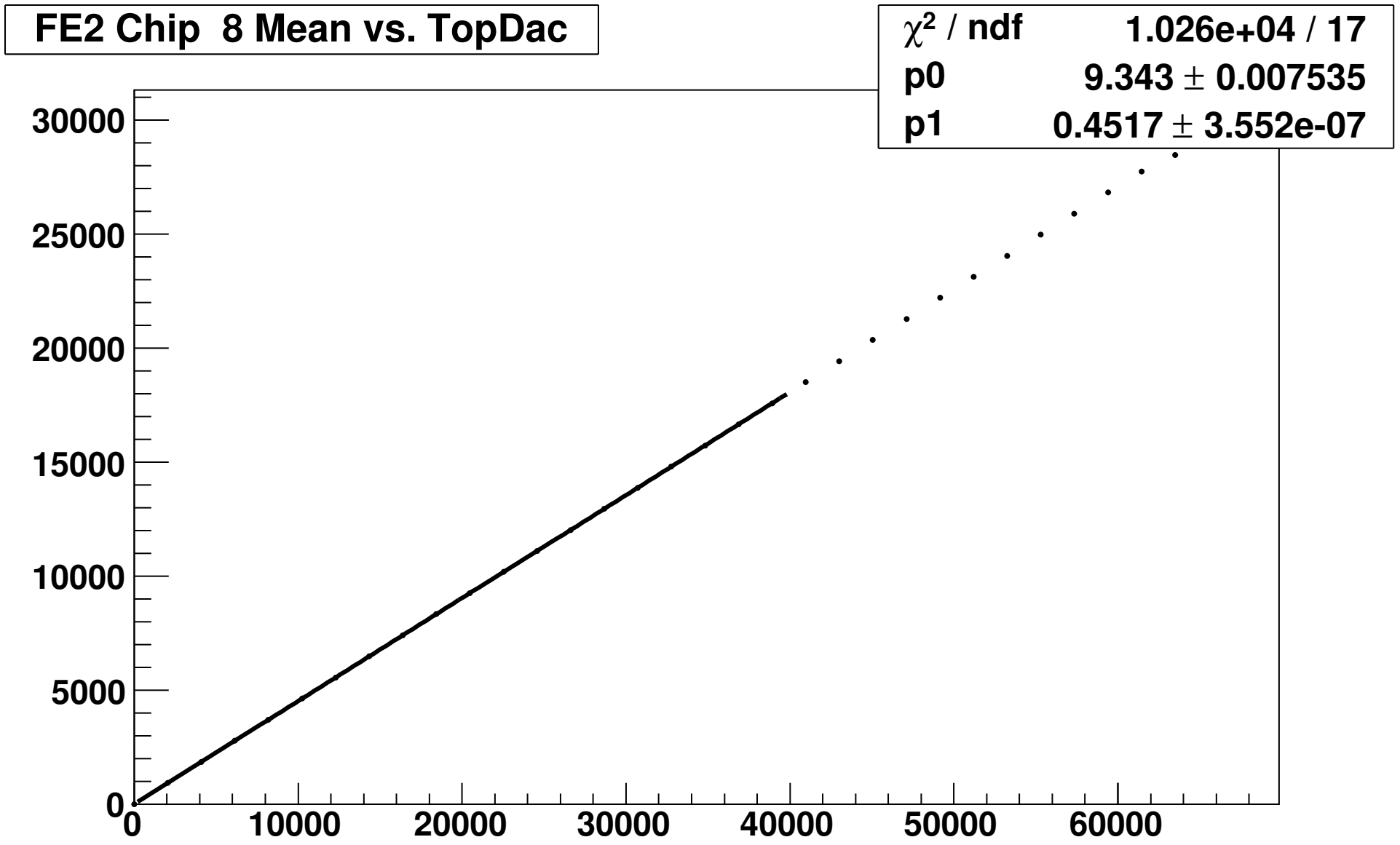

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 26.22 / 17
p0 1.543 ± 0.002659
p1 -8.674e-13 ± 3.076e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

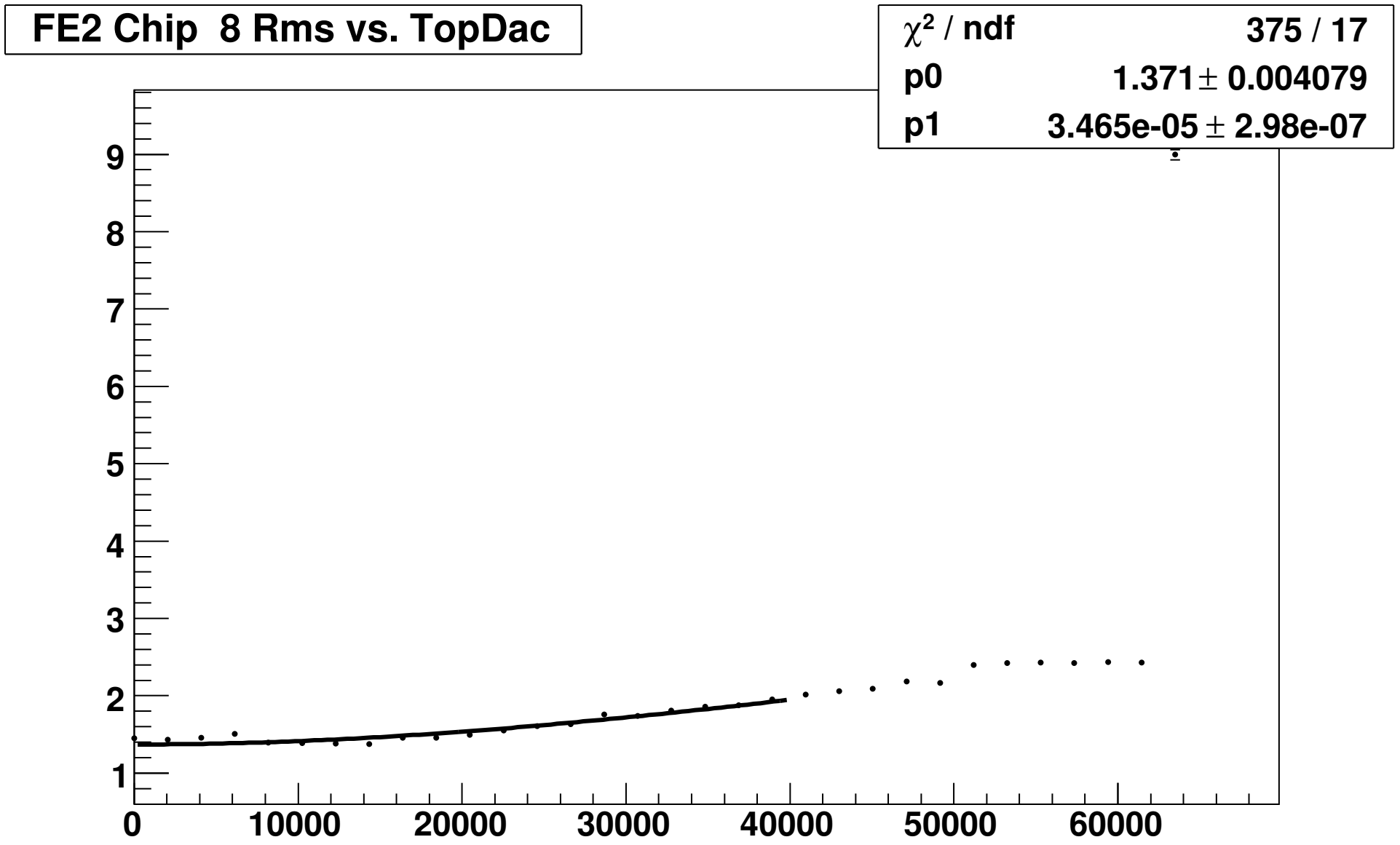

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 3.113e+04 / 17
p0 13.87 ± 0.007912
p1 0.452 ± 3.694e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

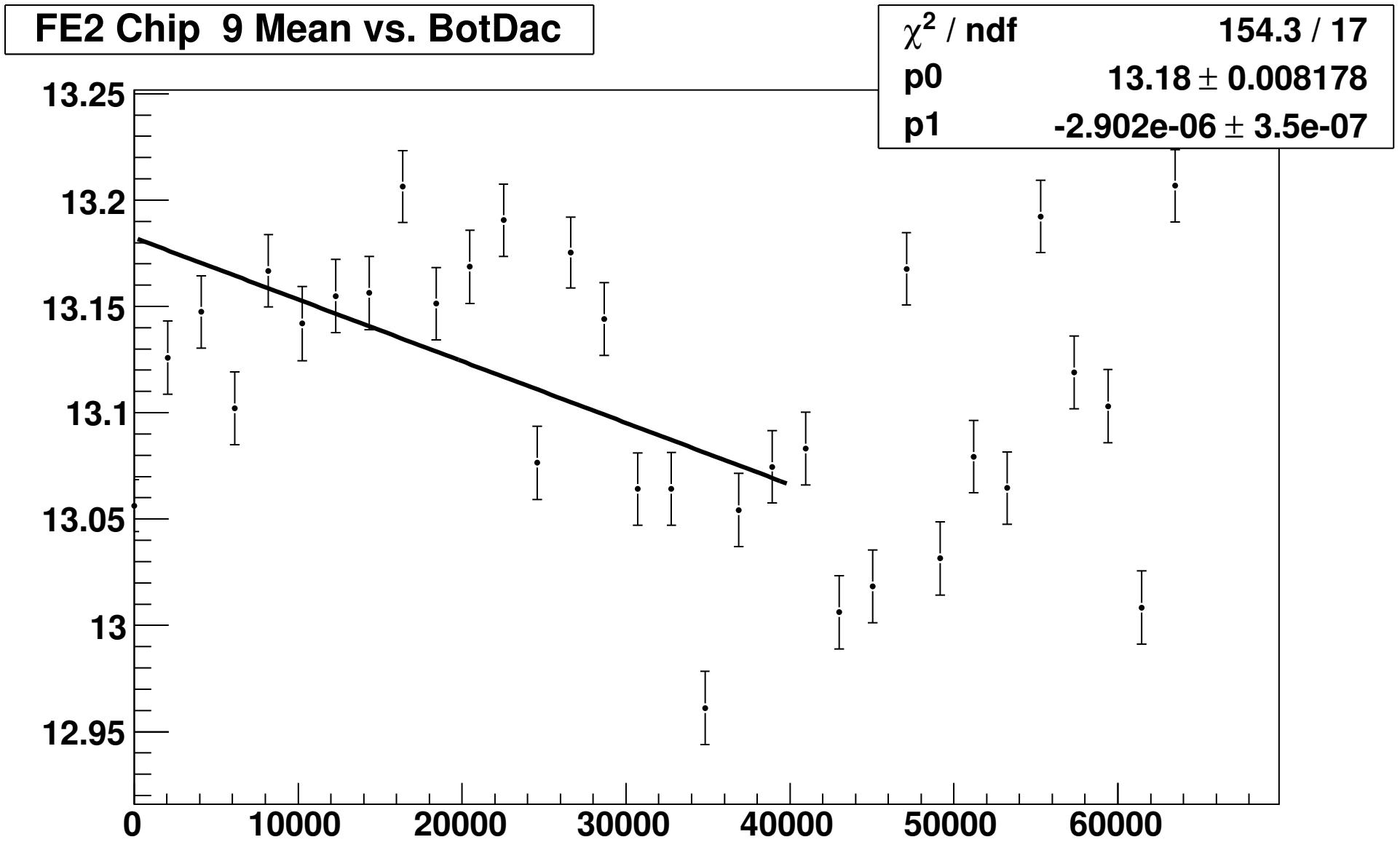

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 296.5 / 17
p0 1.457 ± 0.004271
p1 3.437e-05 ± 3.243e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

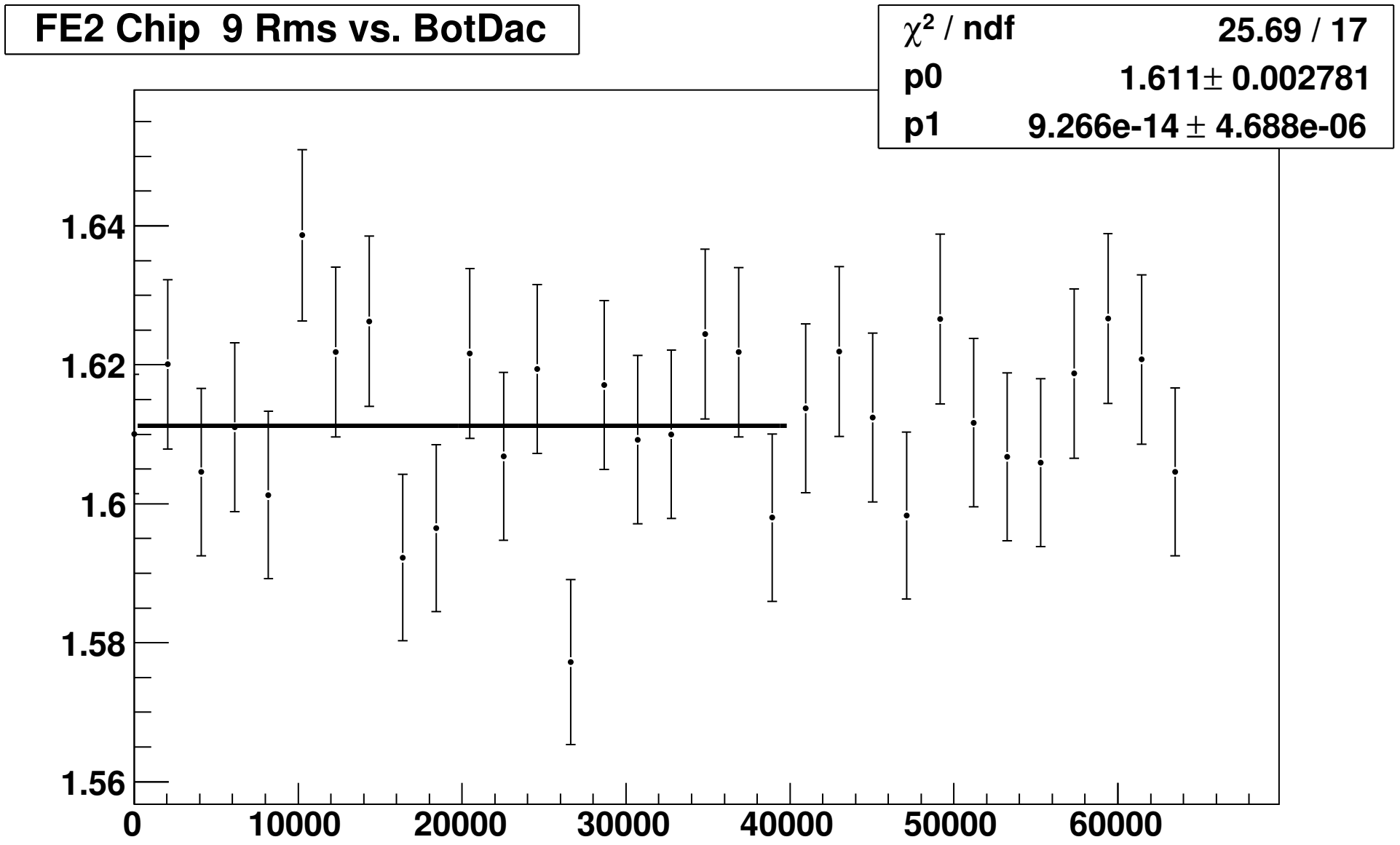

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 246.1 / 17
p0 10.01 ± 0.007401
p1 -2.103e-06 ± 3.163e-07
10.05
10
9.95
9.9
9.85
0
10000
20000
30000
40000
50000
60000

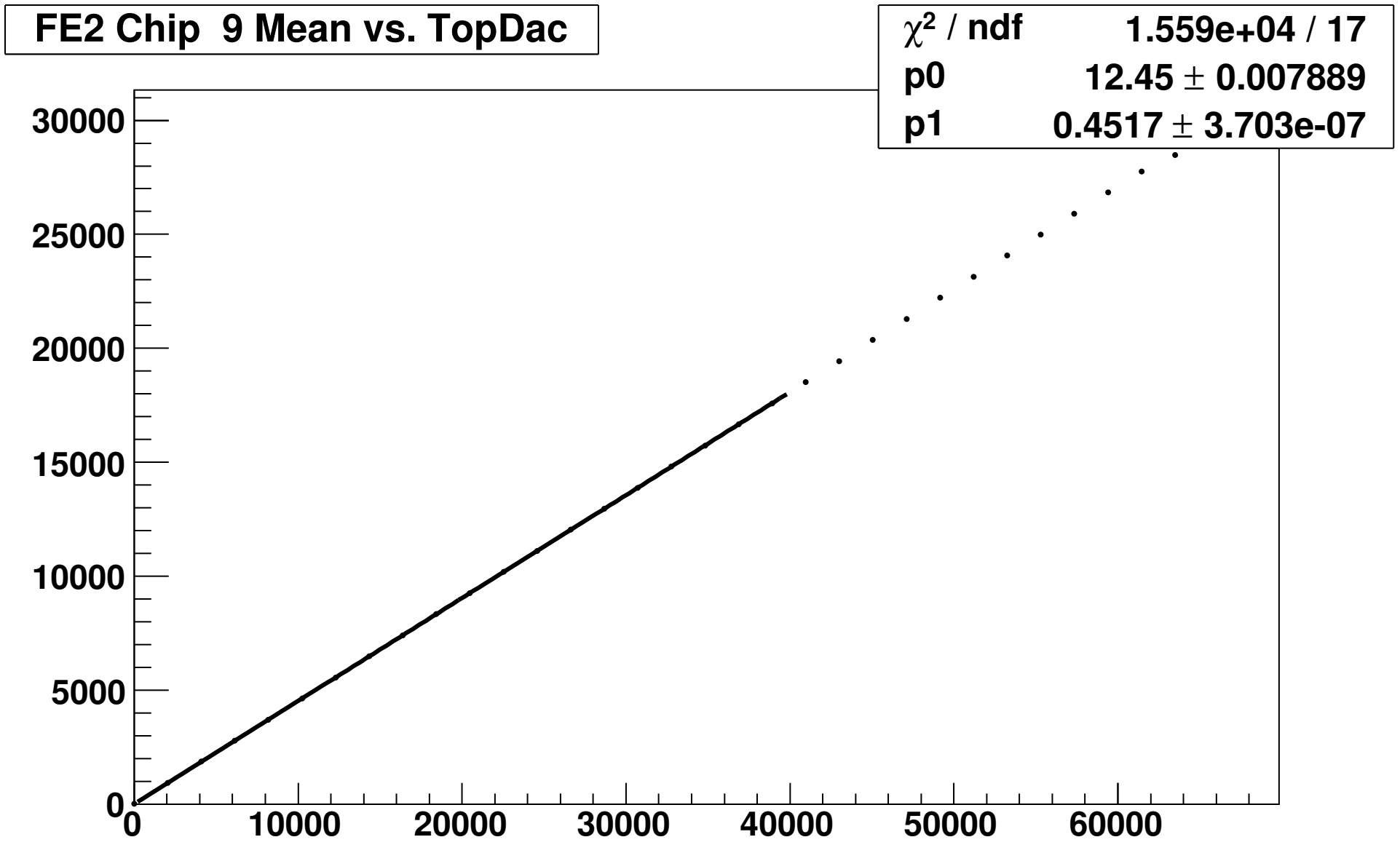

FE2 Chip 8 Rms vs. BotDac
χ² / ndf 22.25 / 17
p0 1.458 ± 0.002516
p1 4.017e-13 ± 2.478e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

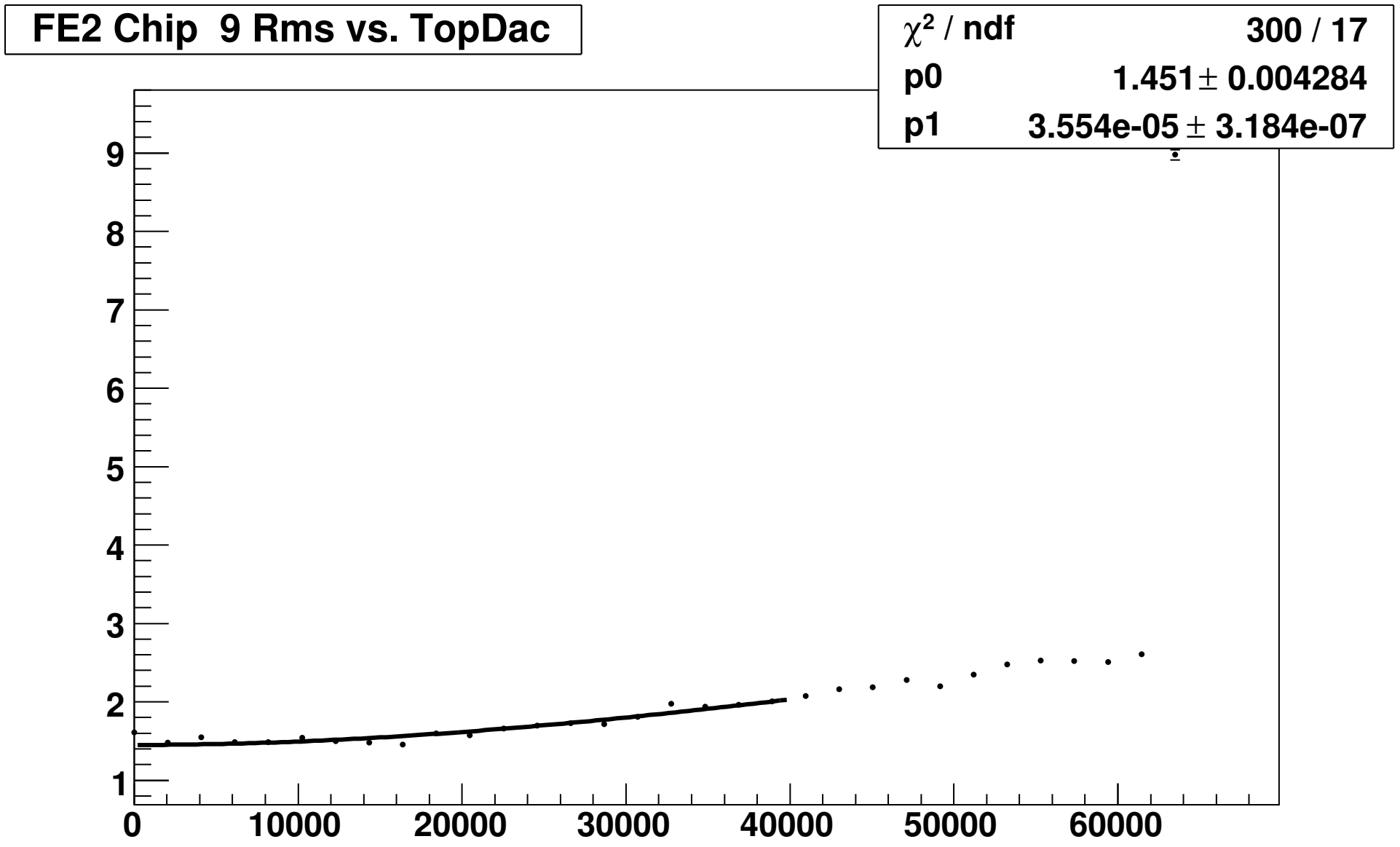

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.026e+04 / 17
p0 9.343 ± 0.007535
p1 0.4517 ± 3.552e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

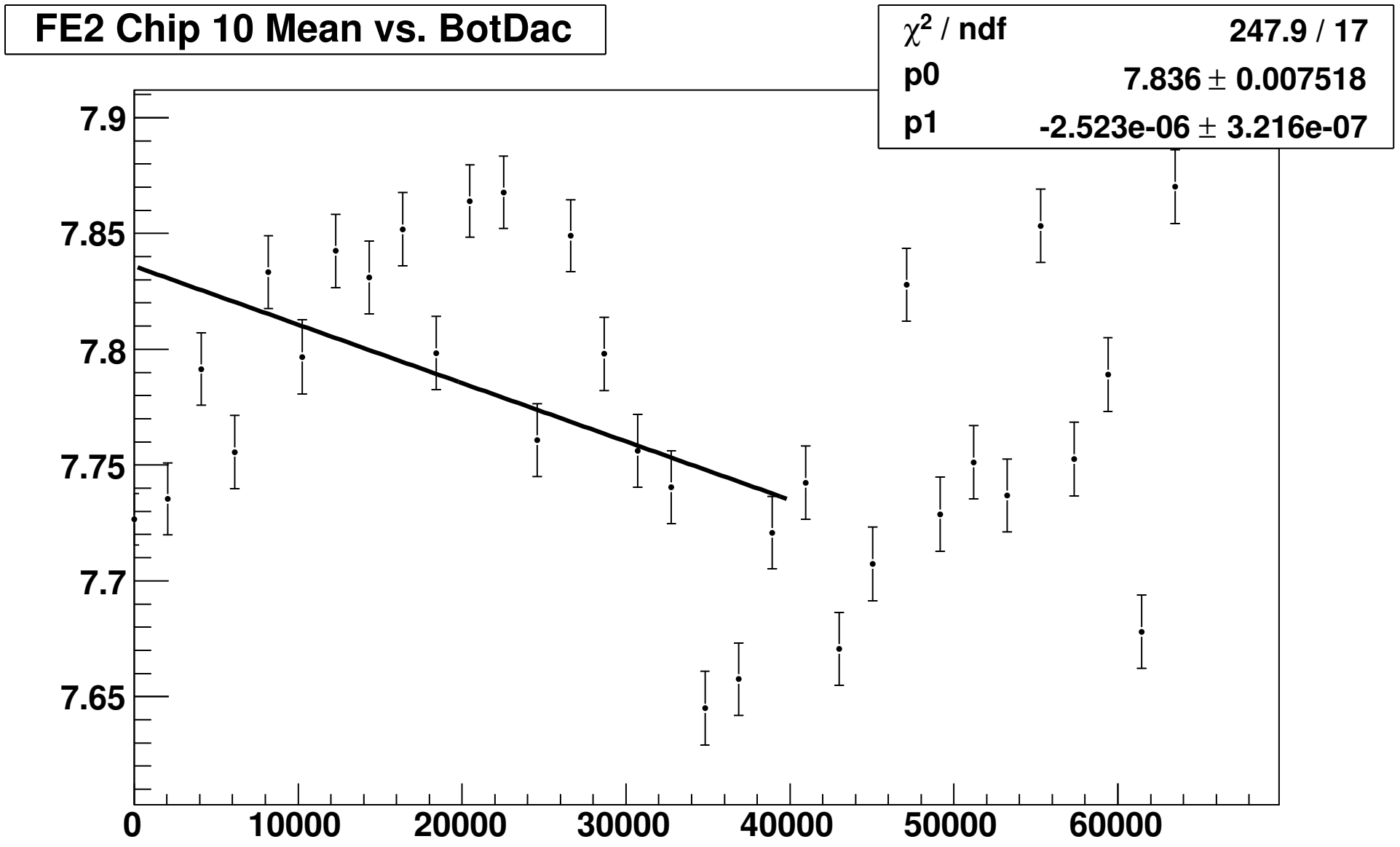

FE2 Chip 8 Rms vs. TopDac
χ² / ndf 375 / 17
p0 1.371 ± 0.004079
p1 3.465e-05 ± 2.98e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

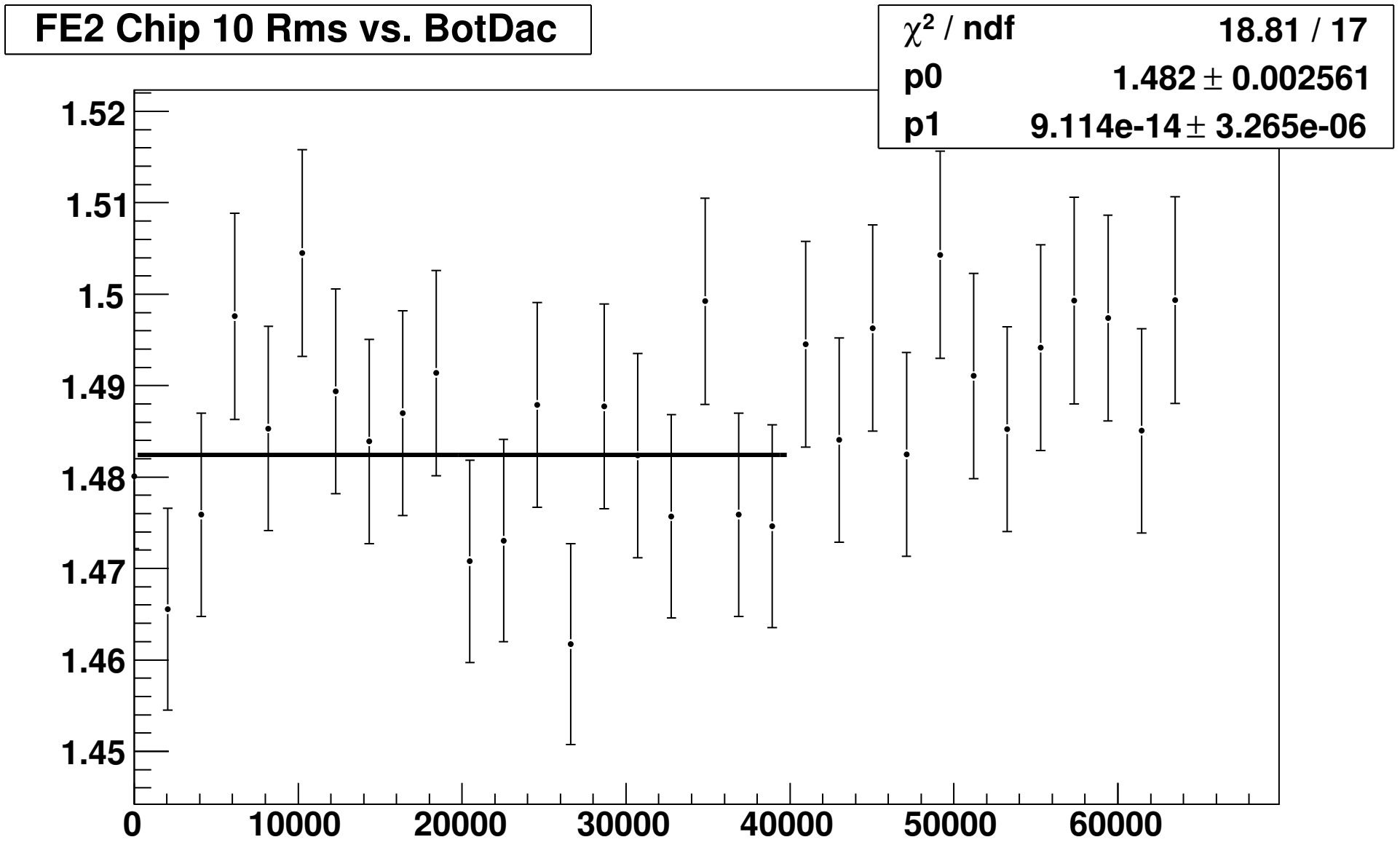

FE2 Chip 9 Mean vs. BotDac
χ² / ndf 154.3 / 17
p0 13.18 ± 0.008178
p1 -2.902e-06 ± 3.5e-07
13.25
13.2
13.15
13.1
13.05
13
12.95
0
10000
20000
30000
40000
50000
60000

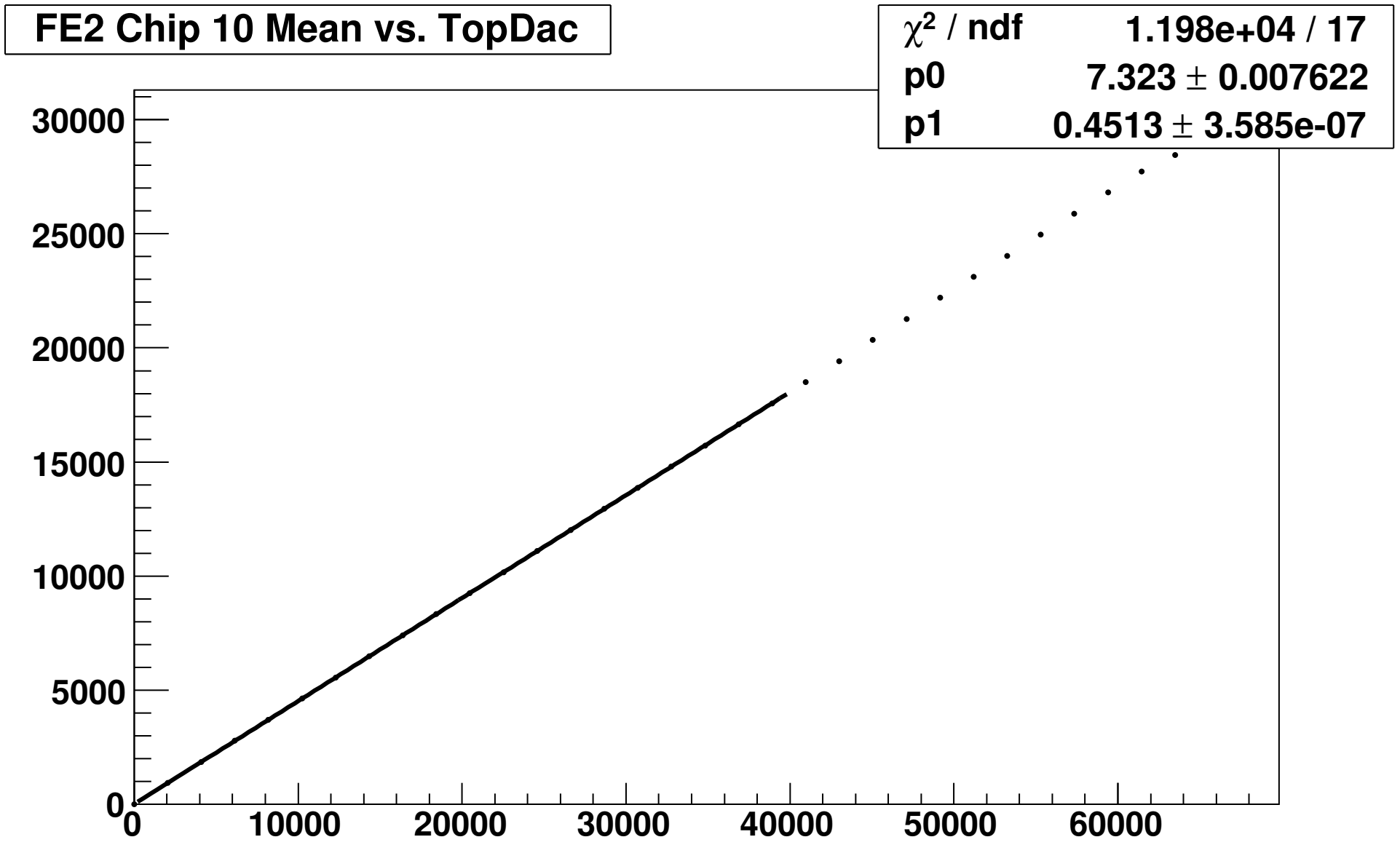

FE2 Chip 9 Rms vs. BotDac
χ² / ndf 25.69 / 17
p0 1.611 ± 0.002781
p1 9.266e-14 ± 4.688e-06
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.559e+04 / 17
p0 12.45 ± 0.007889
p1 0.4517 ± 3.703e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 300 / 17
p0 1.451 ± 0.004284
p1 3.554e-05 ± 3.184e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 247.9 / 17
p0 7.836 ± 0.007518
p1 -2.523e-06 ± 3.216e-07
7.9
7.85
7.8
7.75
7.7
7.65
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 18.81 / 17
p0 1.482 ± 0.002561
p1 9.114e-14 ± 3.265e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.198e+04 / 17
p0 7.323 ± 0.007622
p1 0.4513 ± 3.585e-07
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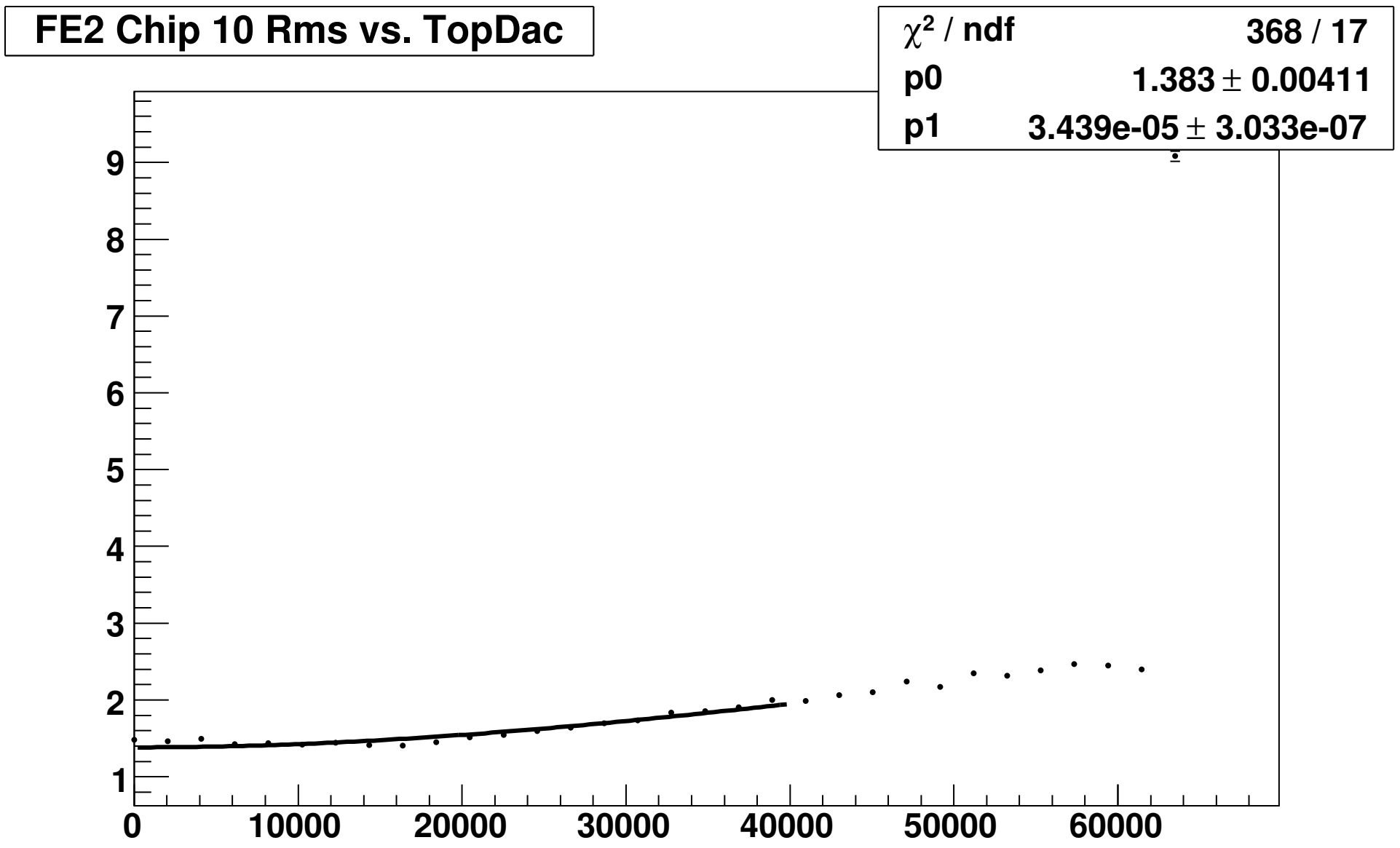
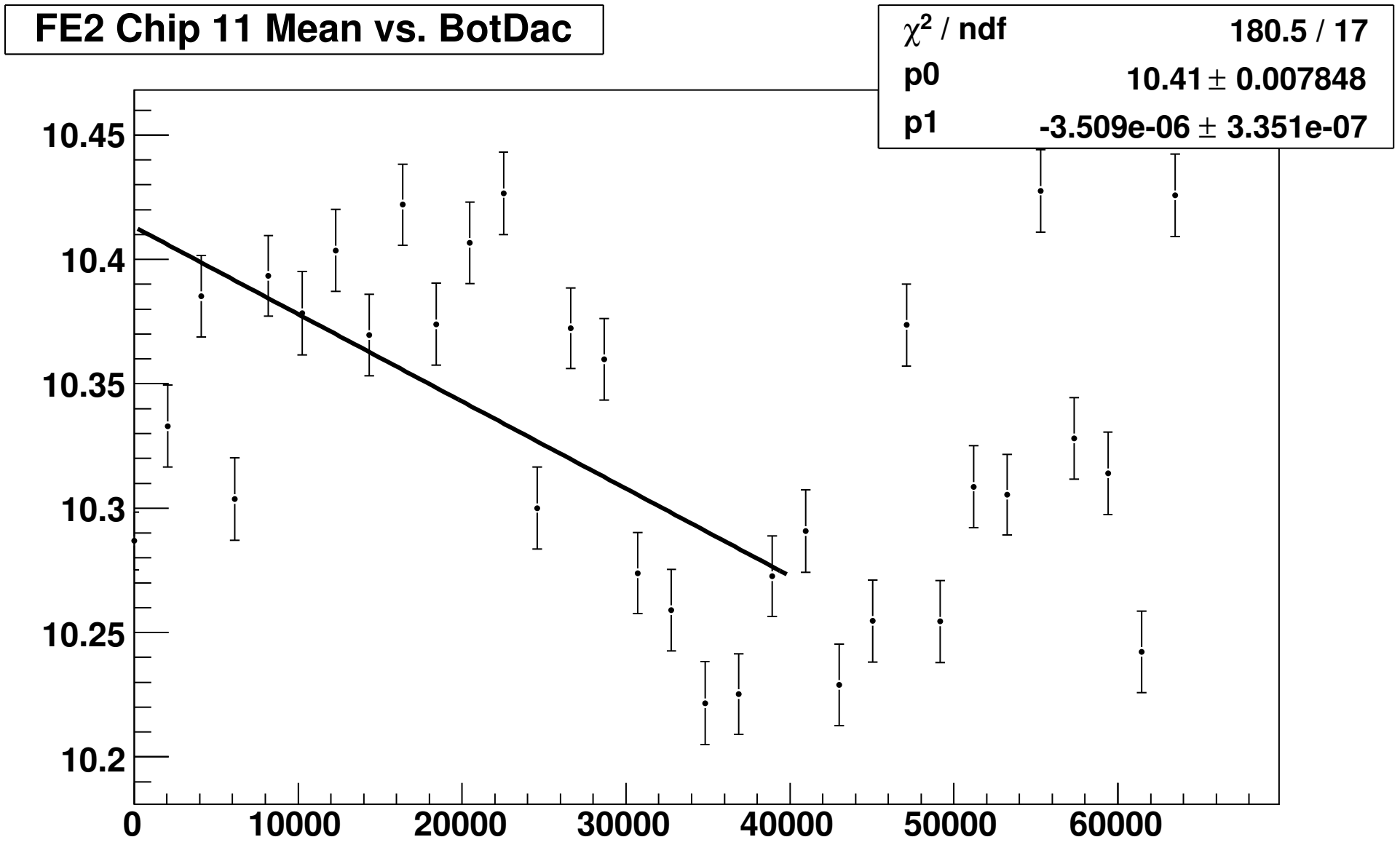
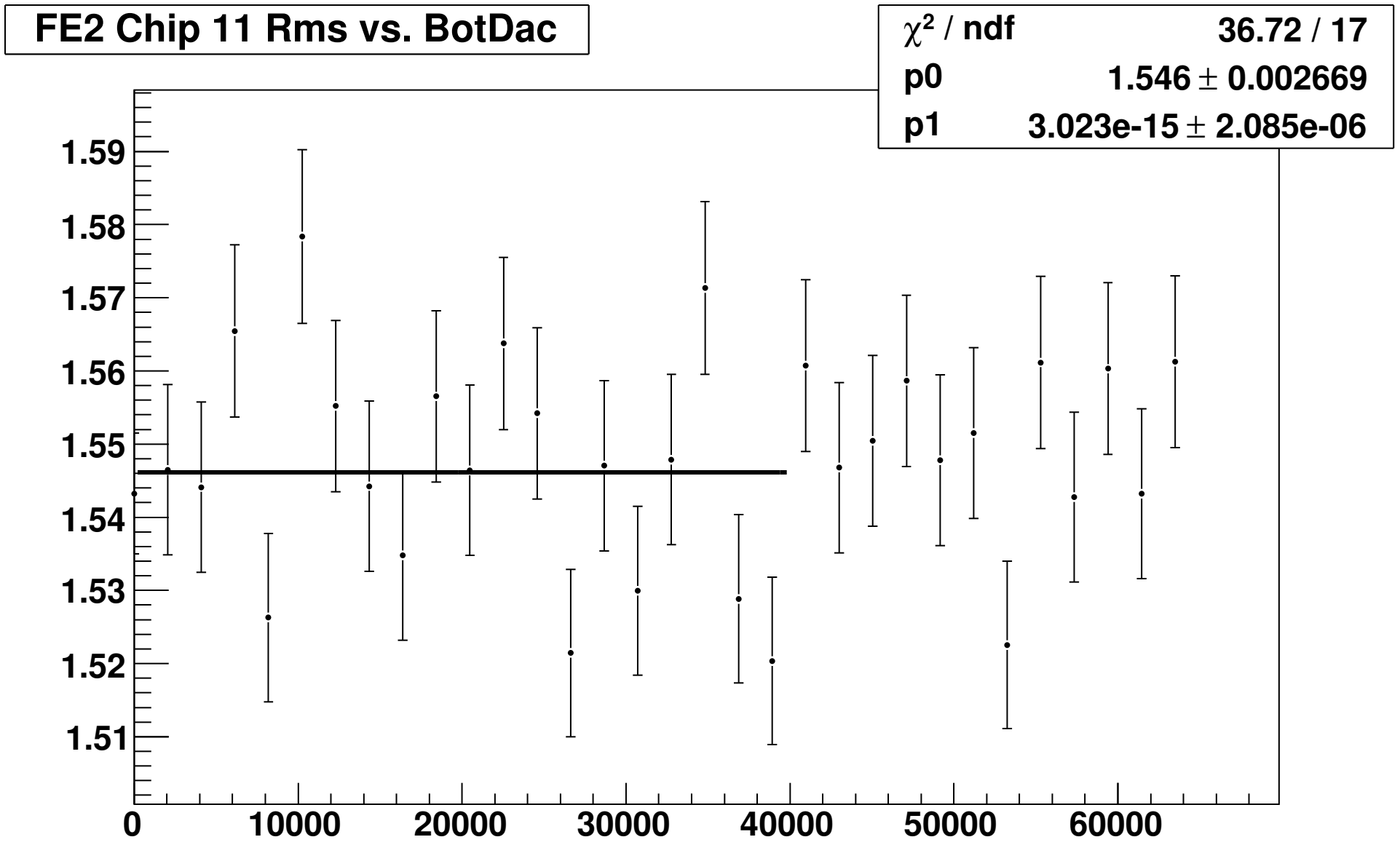
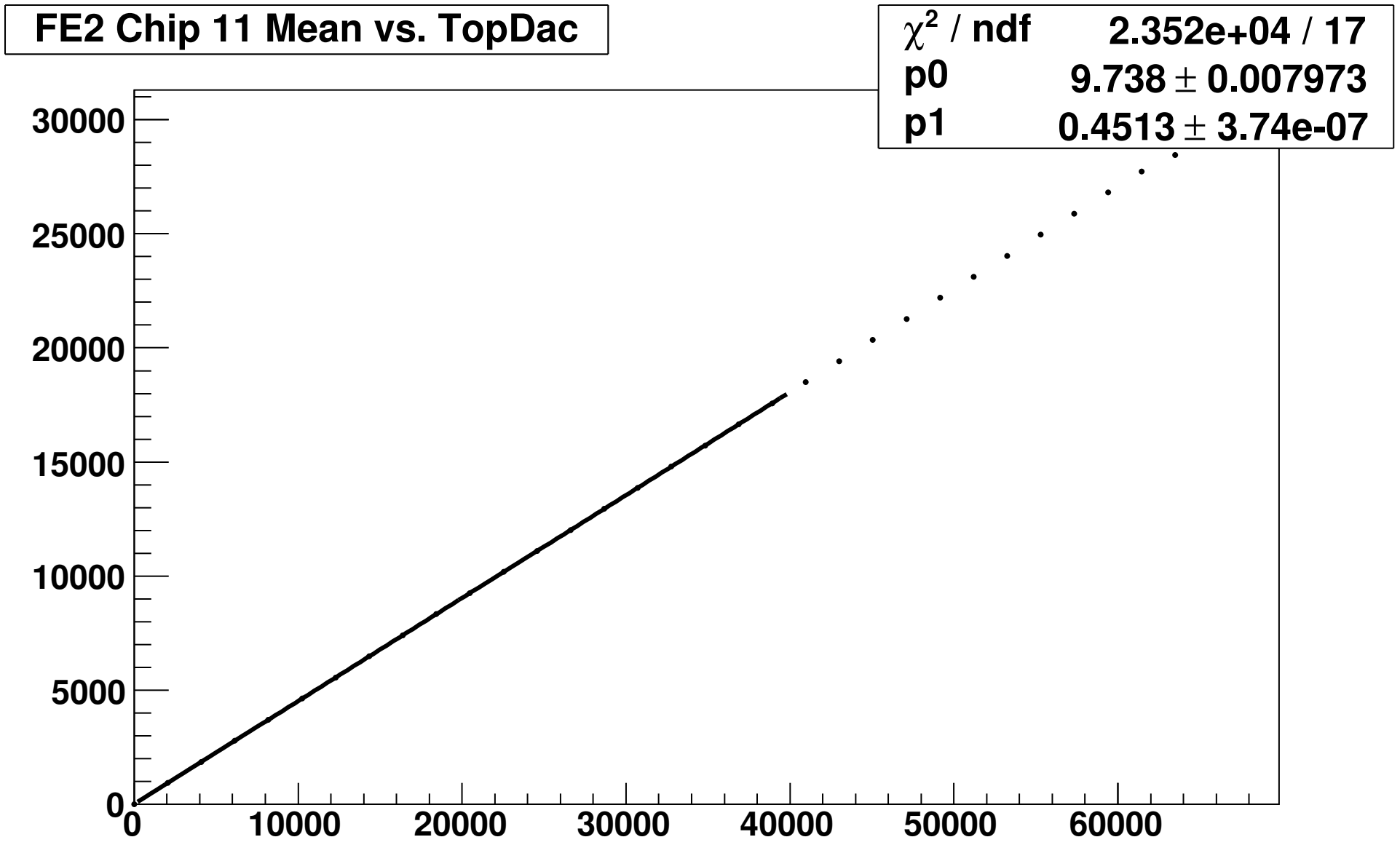
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 368 / 17
p0 1.383 ± 0.00411
p1 3.439e-05 ± 3.033e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 180.5 / 17
p0 10.41 ± 0.007848
p1 -3.509e-06 ± 3.351e-07
10.45
10.4
10.35
10.3
10.25
10.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 36.72 / 17
p0 1.546 ± 0.002669
p1 3.023e-15 ± 2.085e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 2.352e+04 / 17
p0 9.738 ± 0.007973
p1 0.4513 ± 3.74e-07
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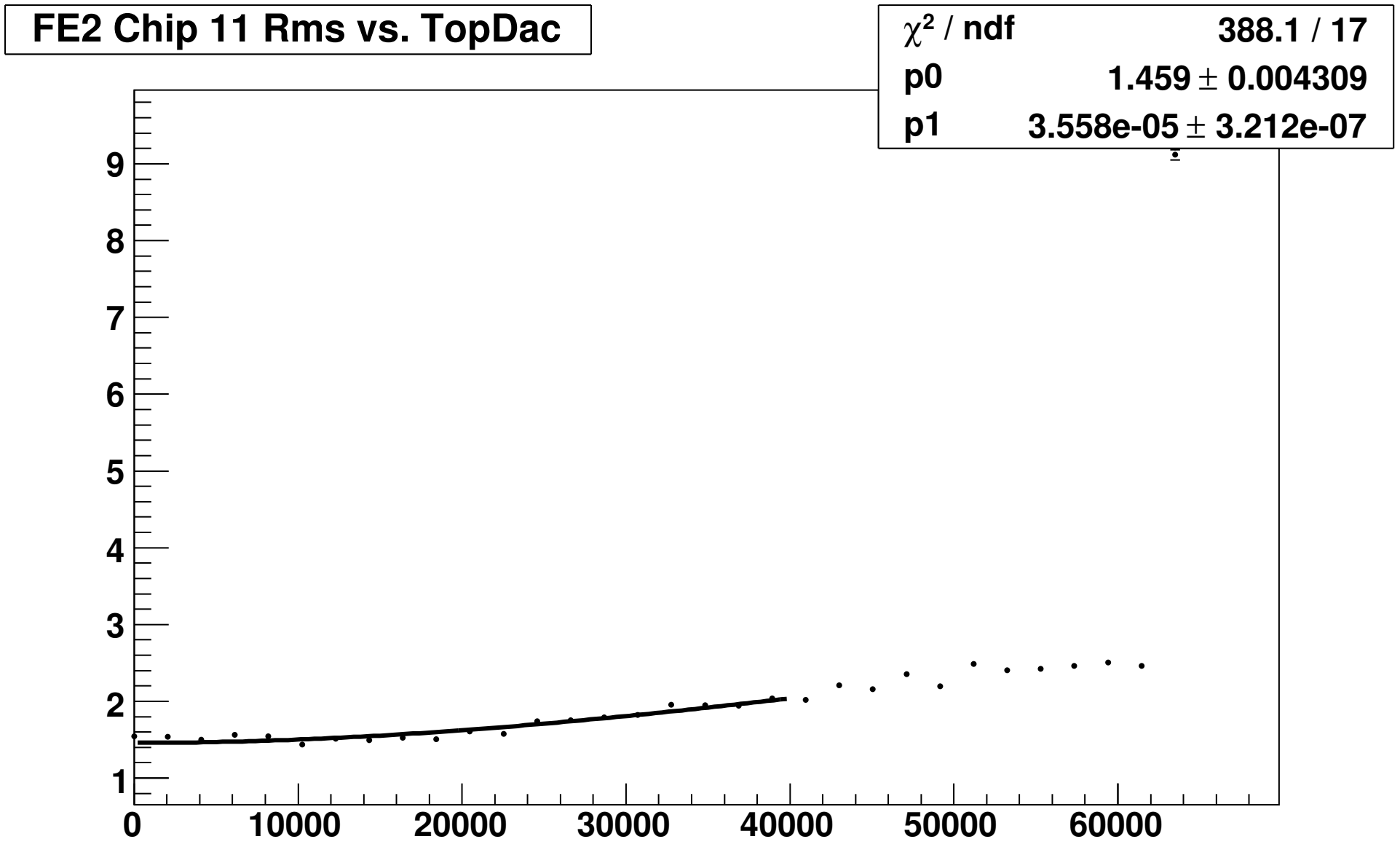
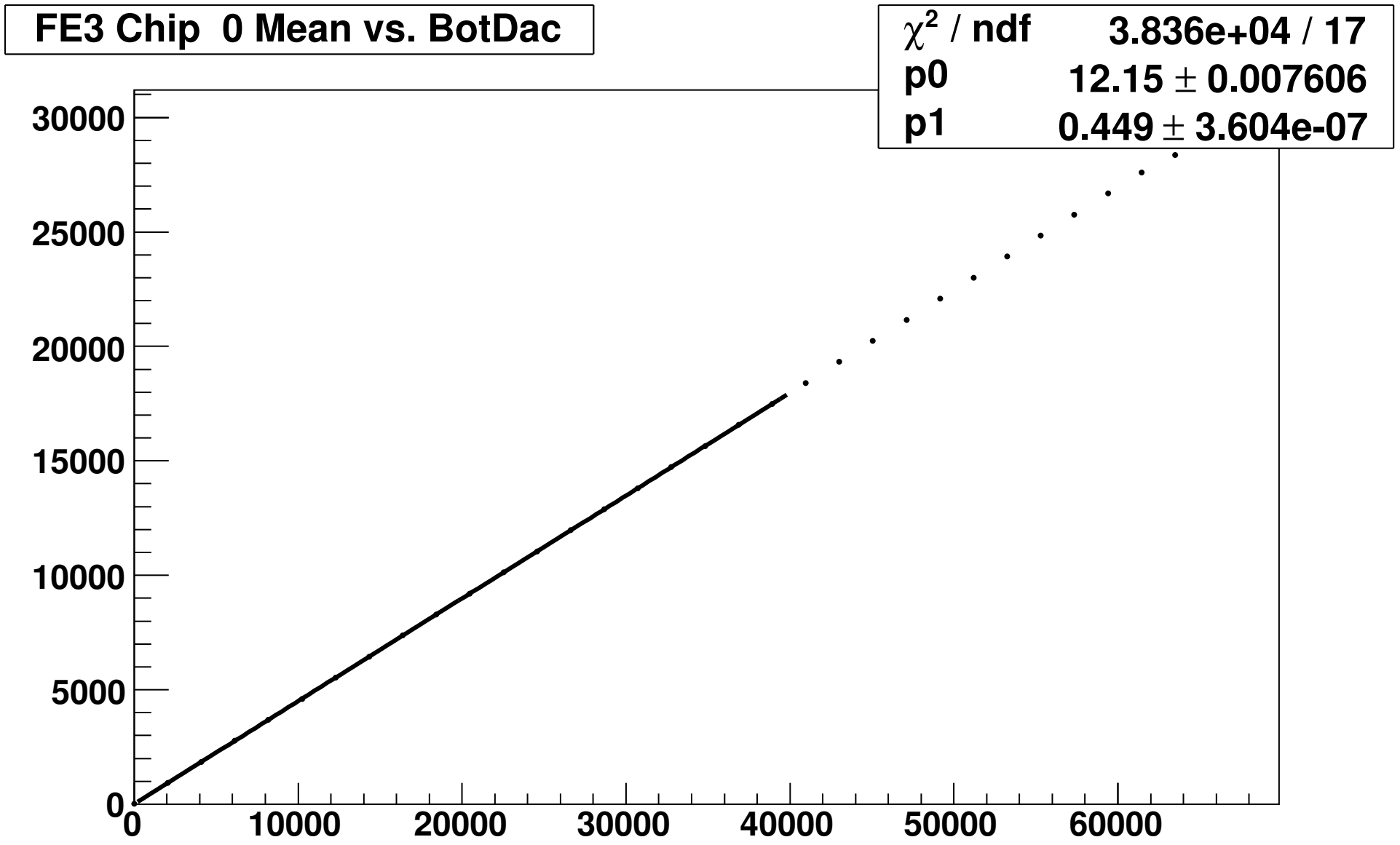
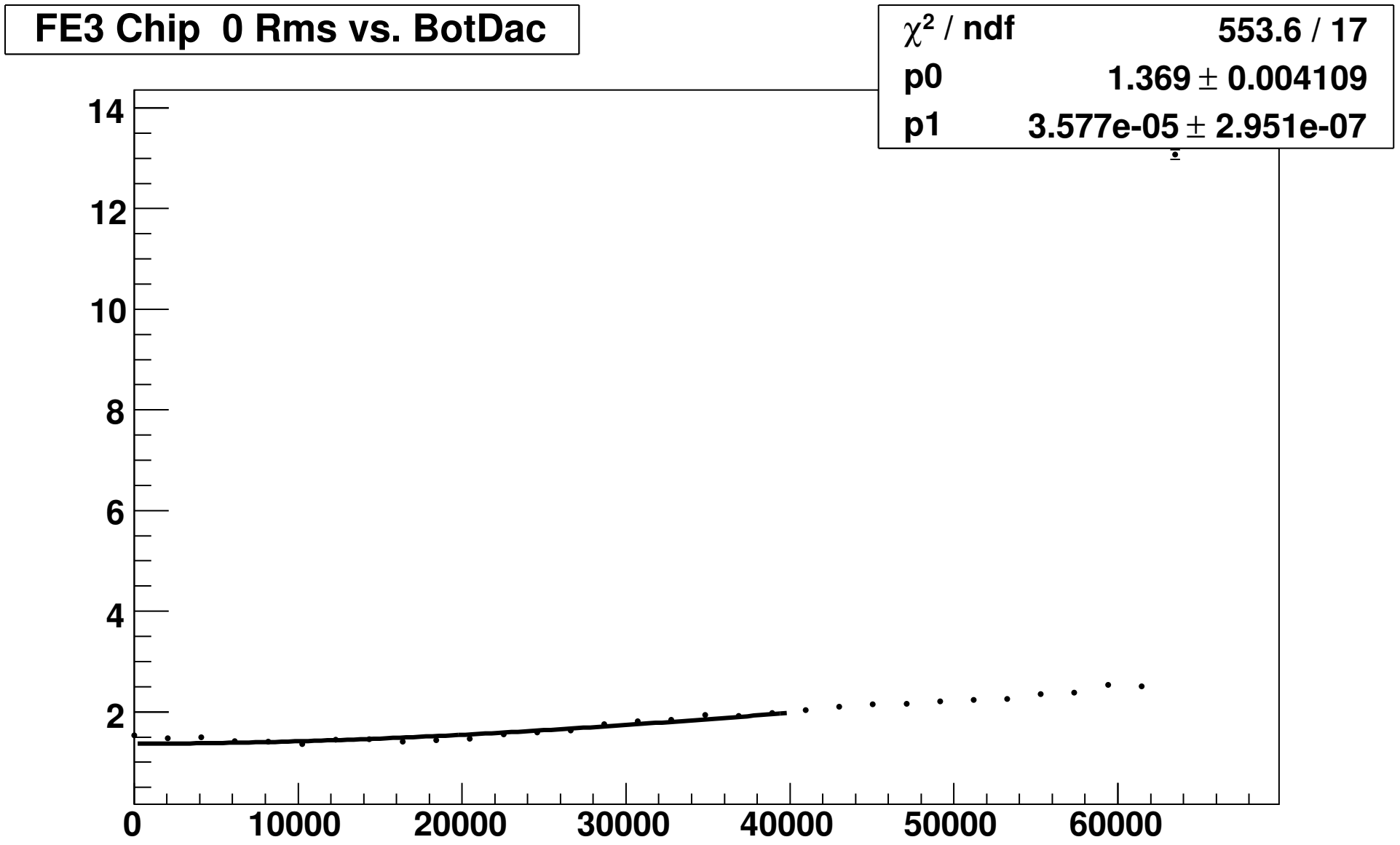
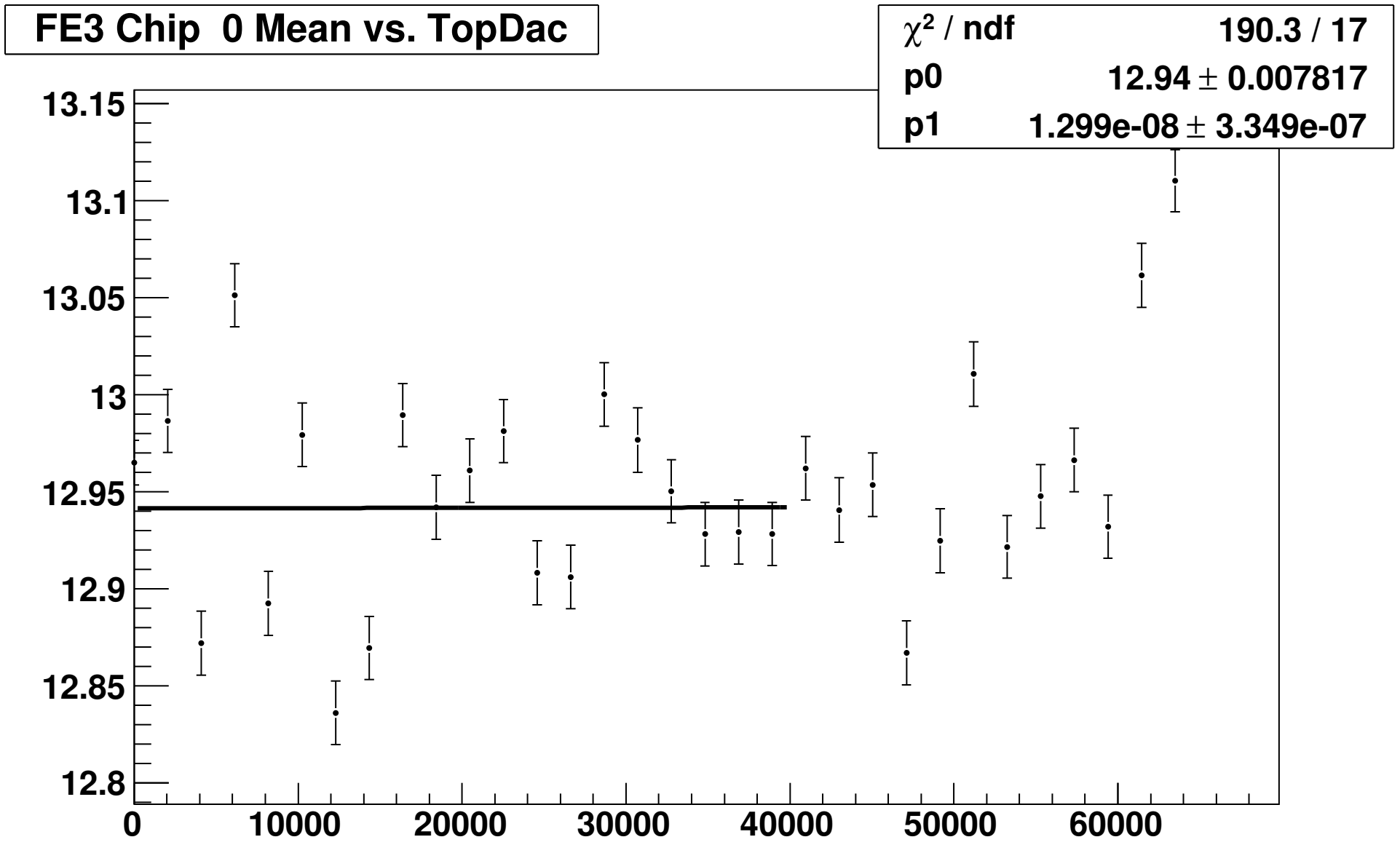
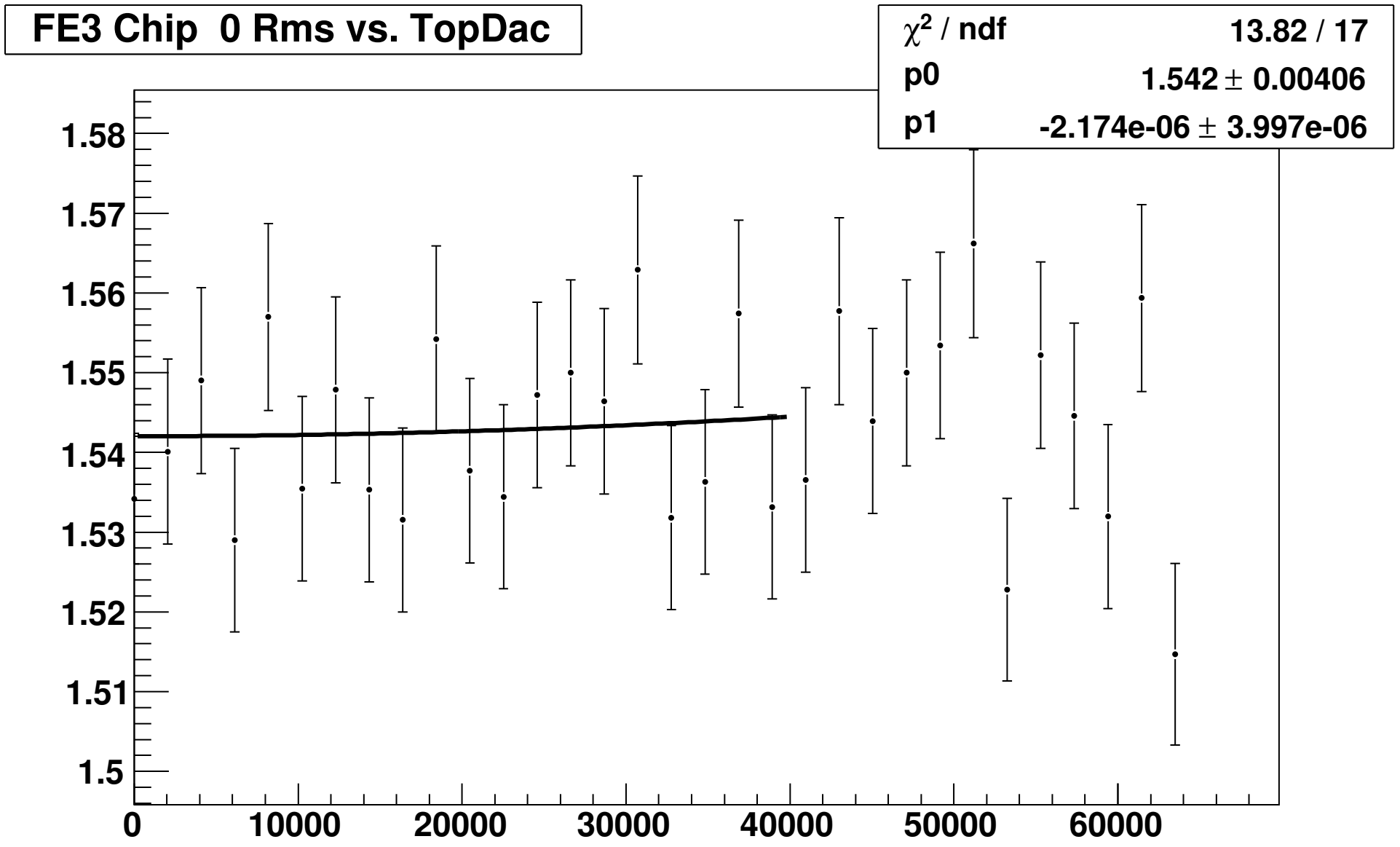
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

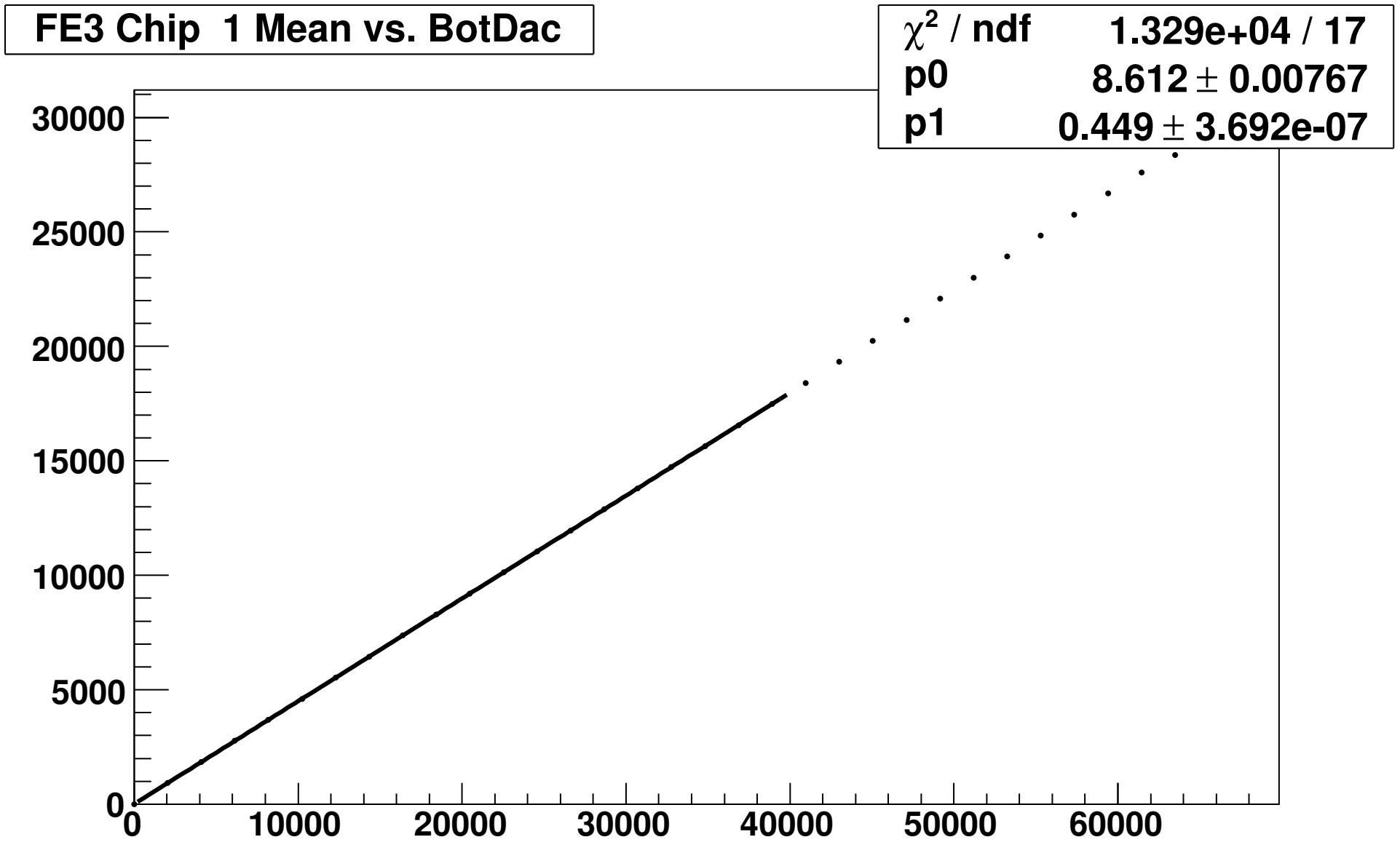

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 388.1 / 17
p0 1.459 ± 0.004309
p1 3.558e-05 ± 3.212e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

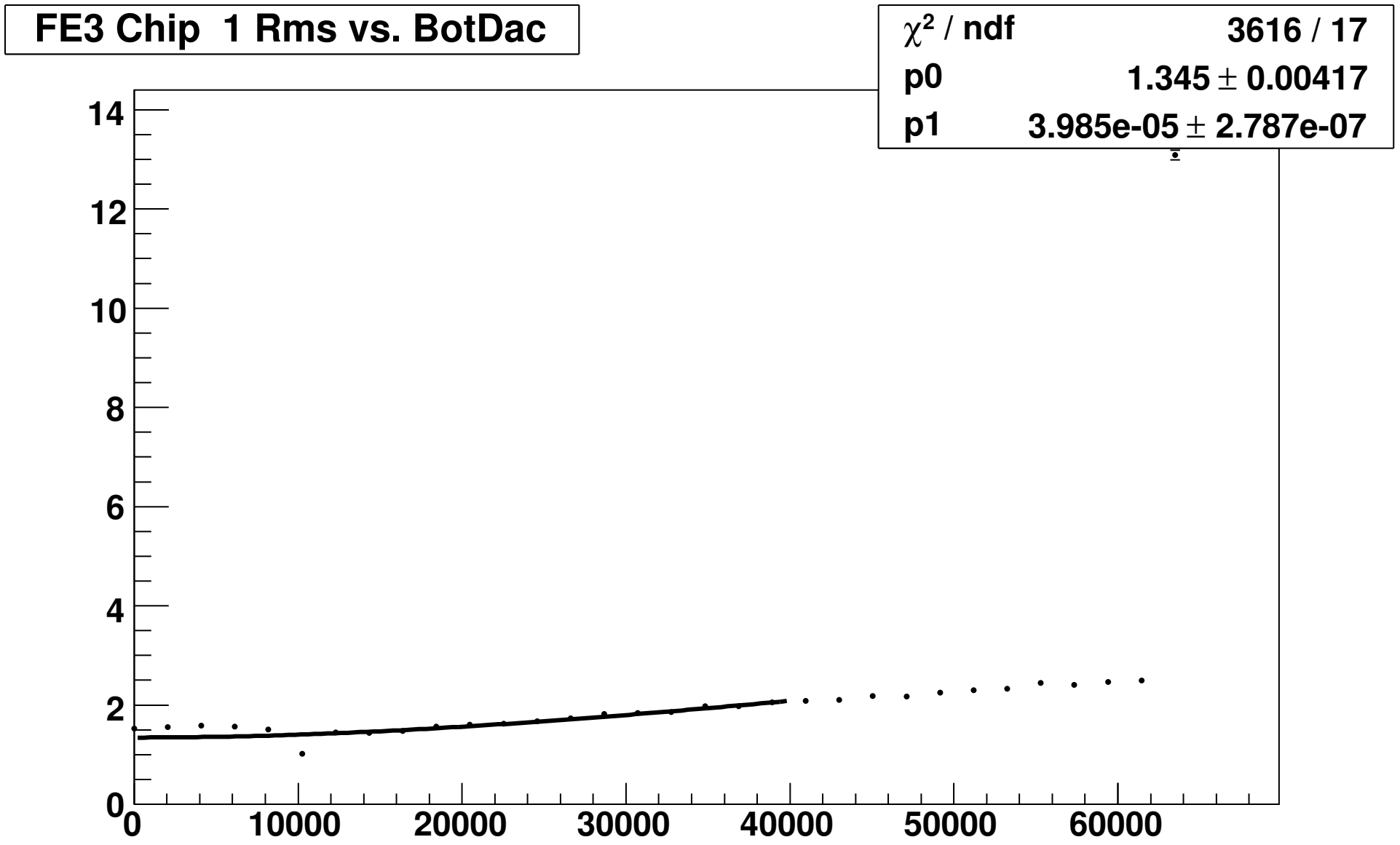

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 3.836e+04 / 17
p0 12.15 ± 0.007606
p1 0.449 ± 3.604e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

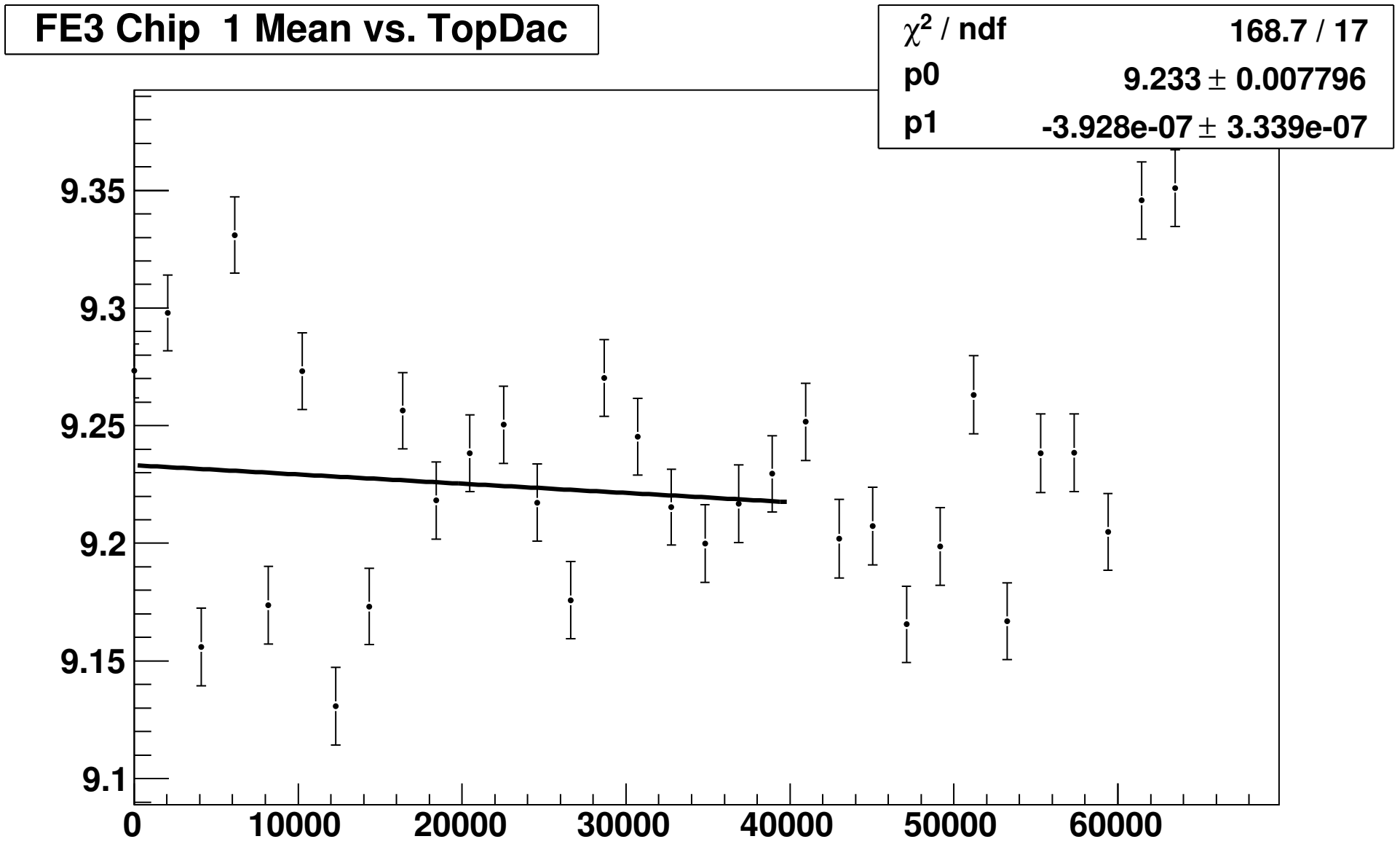

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 553.6 / 17
p0 1.369 ± 0.004109
p1 3.577e-05 ± 2.951e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

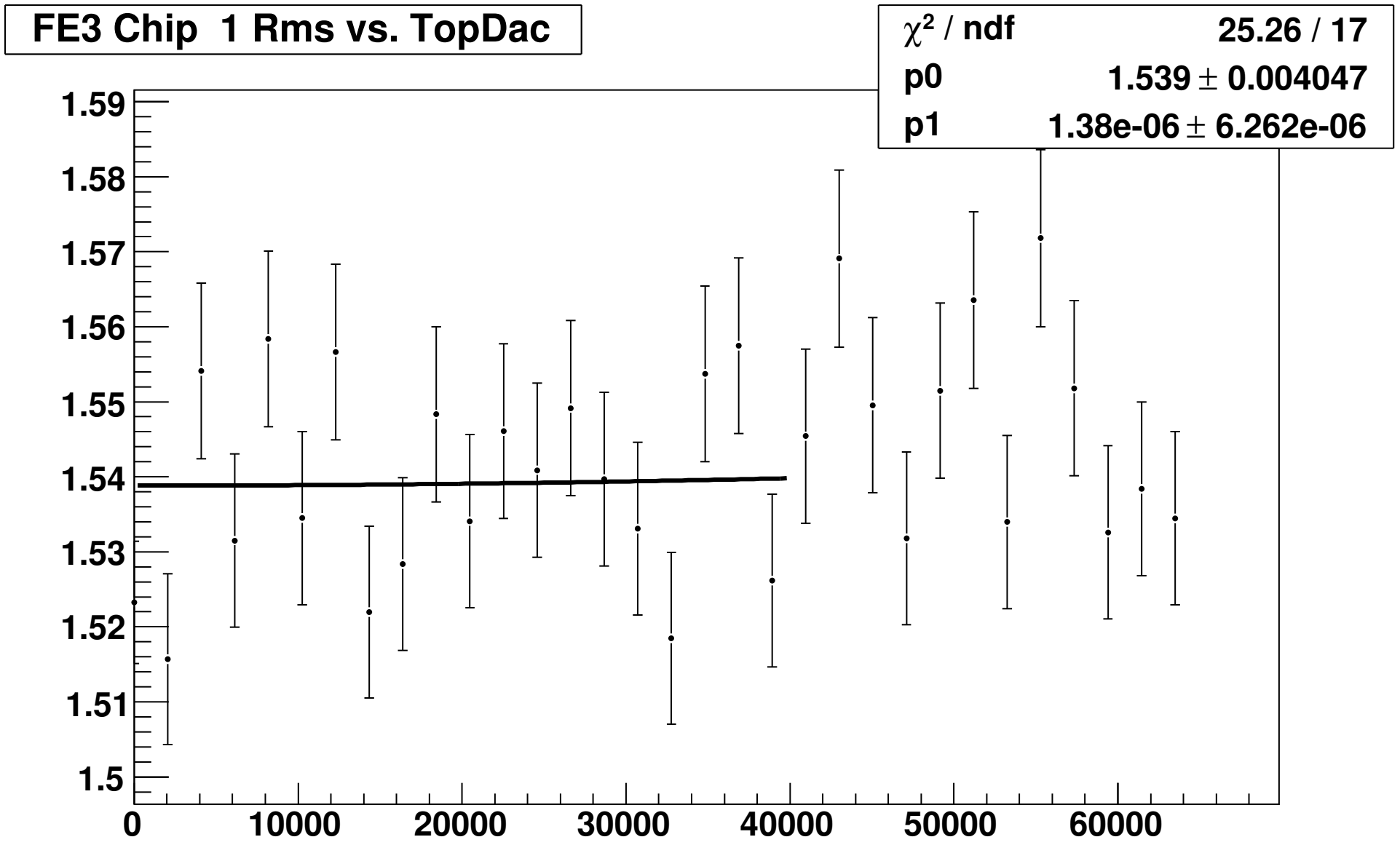

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 190.3 / 17
p0 12.94 ± 0.007817
p1 1.299e-08 ± 3.349e-07
13.15
13.1
13.05
13
12.95
12.9
12.85
12.8
0
10000
20000
30000
40000
50000
60000

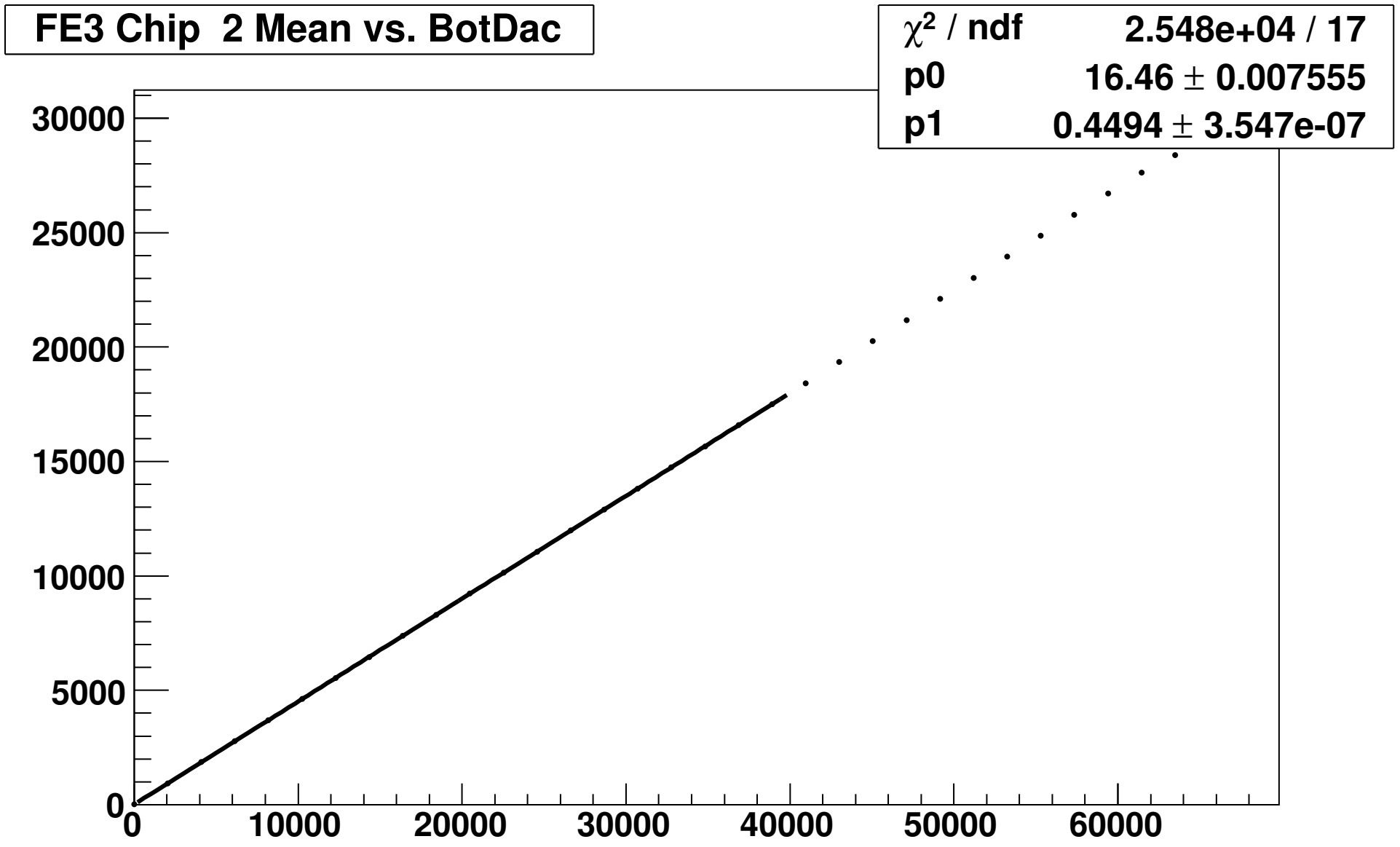

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 13.82 / 17
p0 1.542 ± 0.00406
p1 -2.174e-06 ± 3.997e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

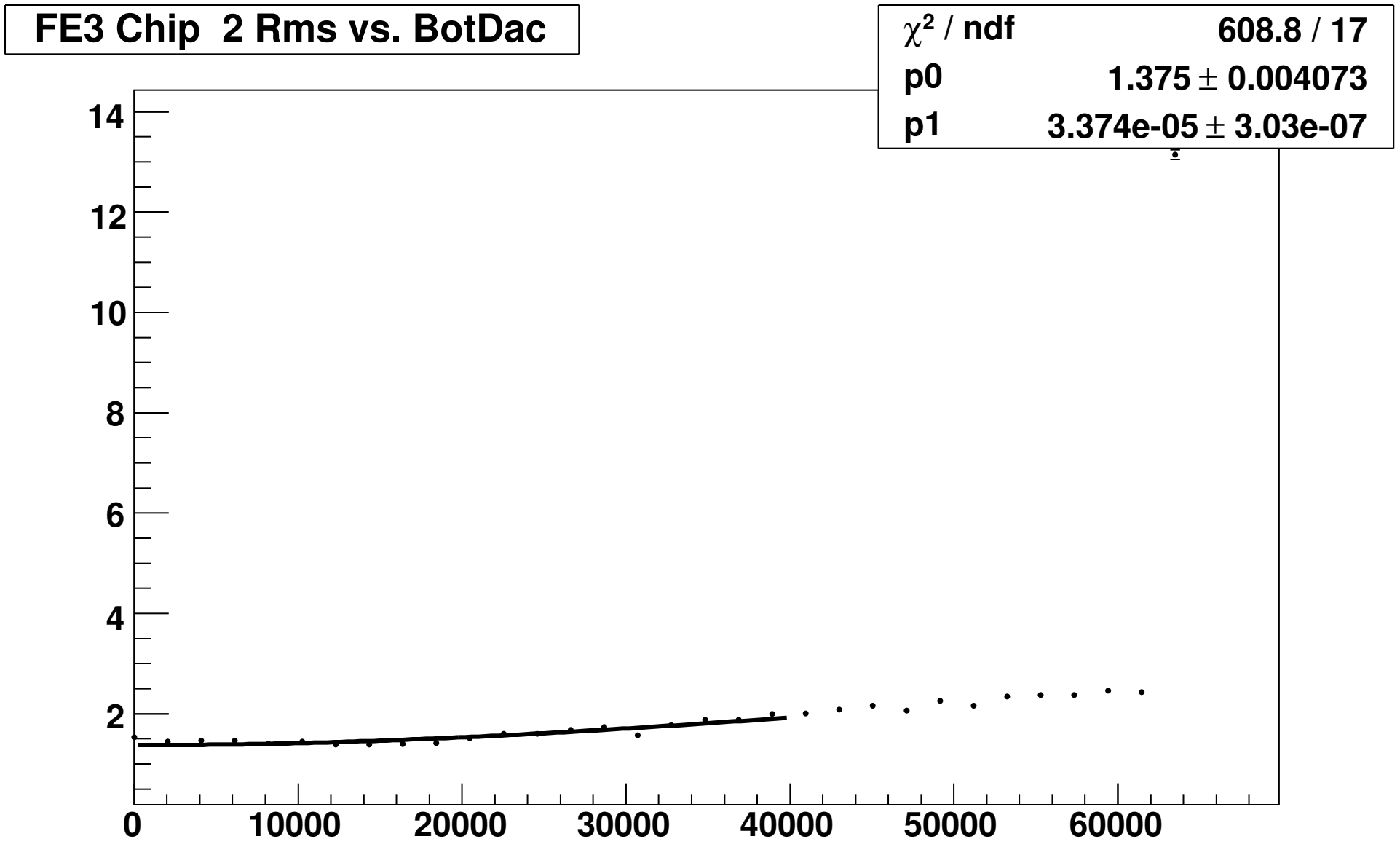

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.329e+04 / 17
p0 8.612 ± 0.00767
p1 0.449 ± 3.692e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

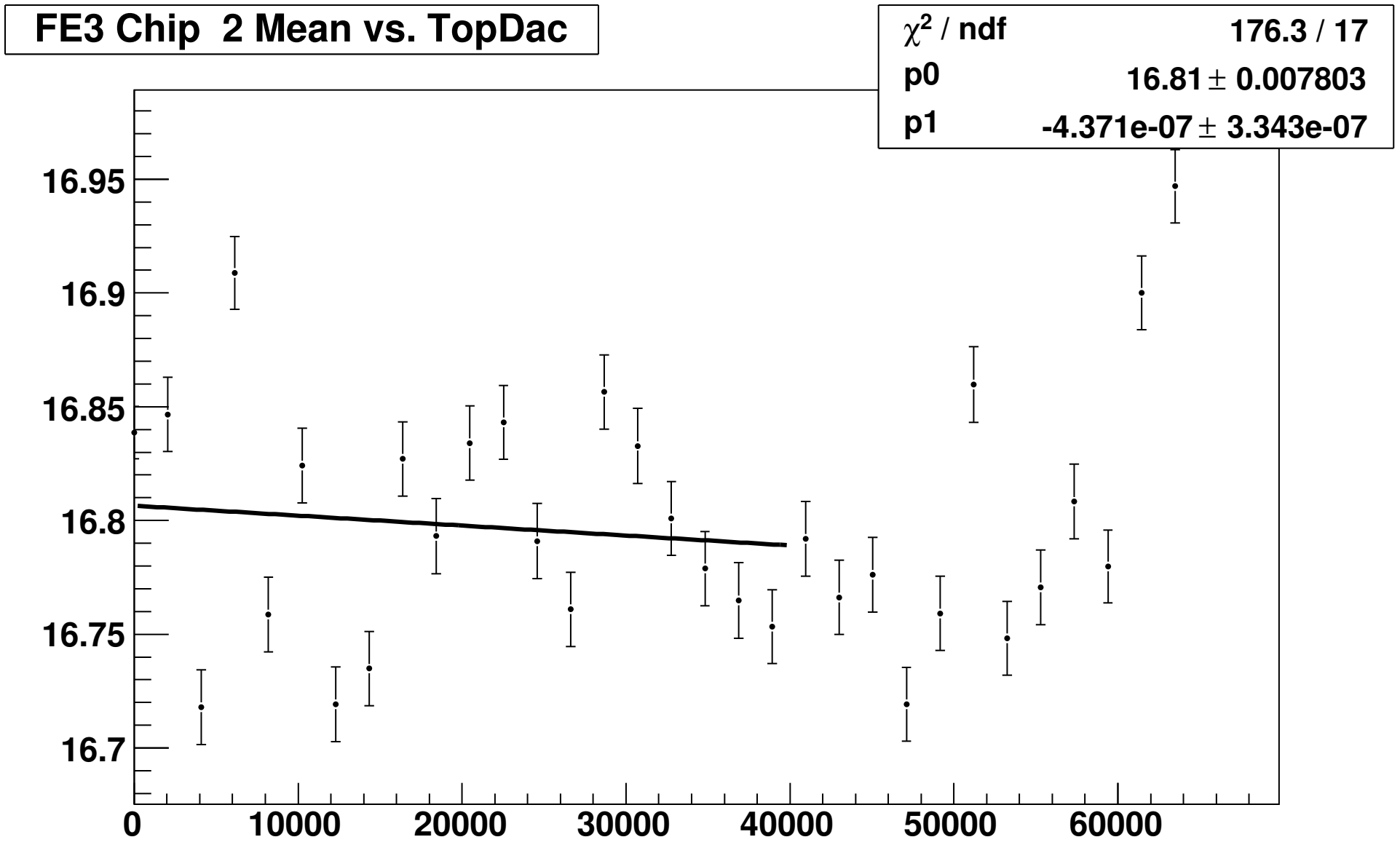

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 3616 / 17
p0 1.345 ± 0.00417
p1 3.985e-05 ± 2.787e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000

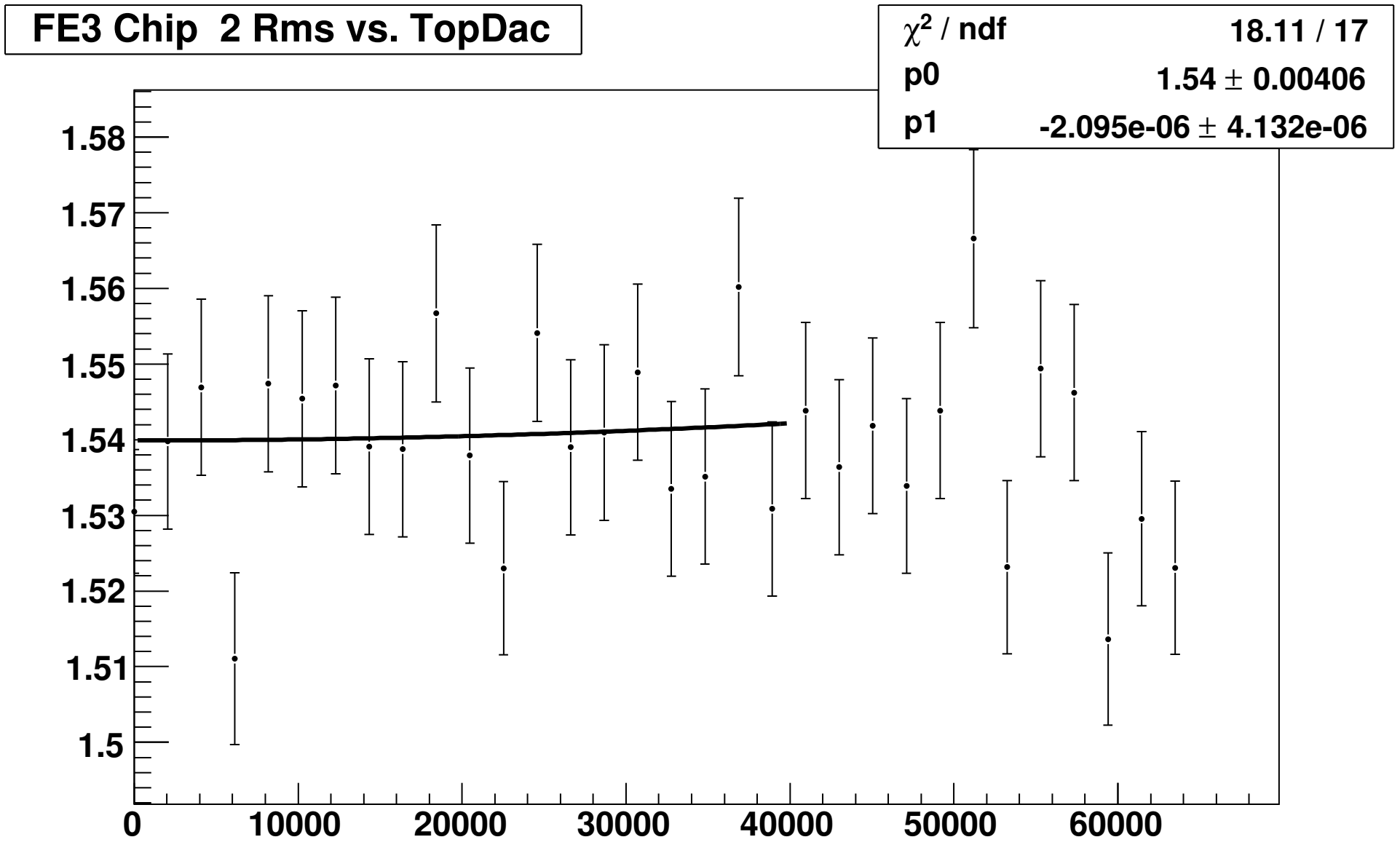

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 168.7 / 17
p0 9.233 ± 0.007796
p1 -3.928e-07 ± 3.339e-07
9.35
9.3
9.25
9.2
9.15
9.1
0
10000
20000
30000
40000
50000
60000

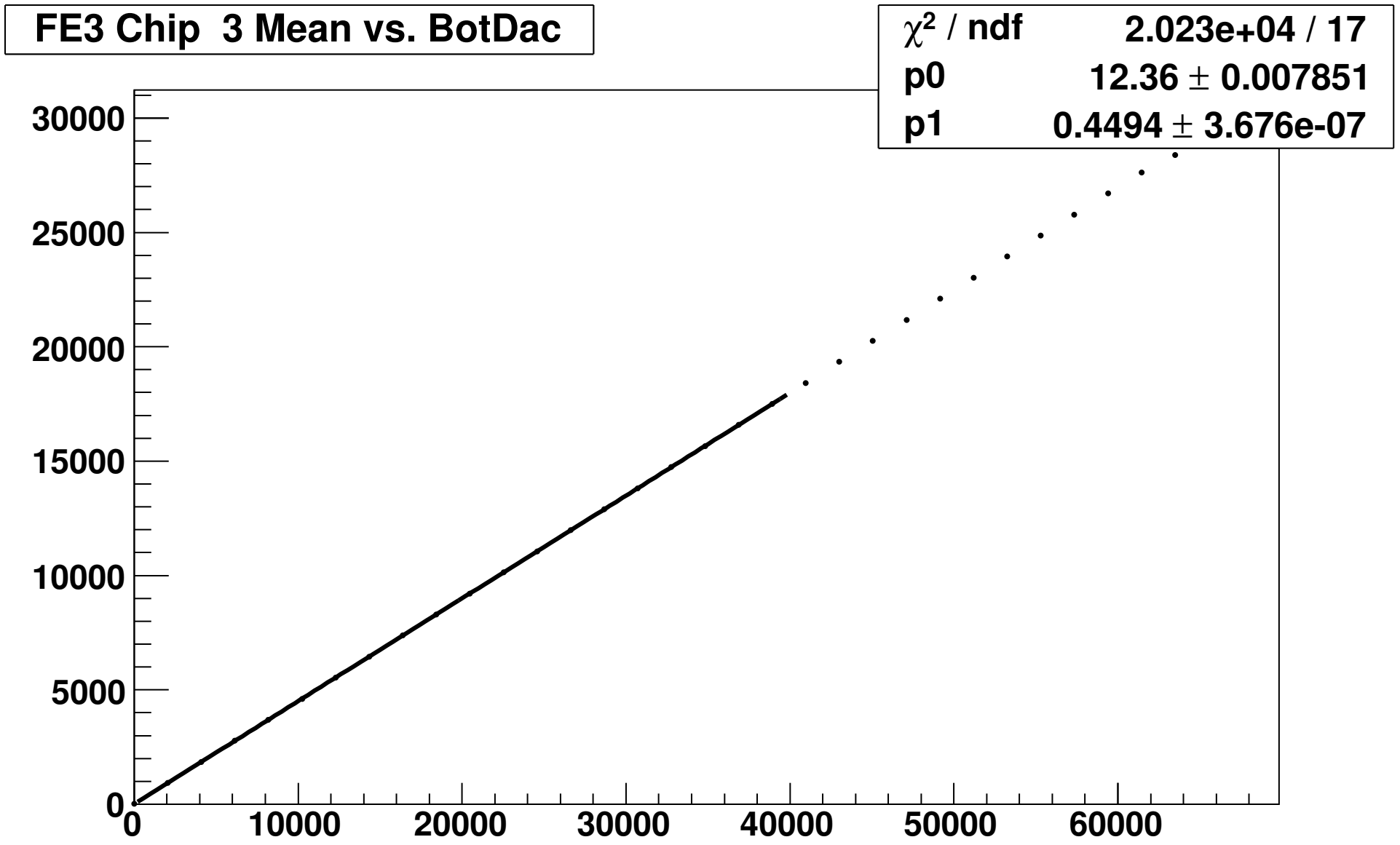

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 25.26 / 17
p0 1.539 ± 0.004047
p1 1.38e-06 ± 6.262e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 2.548e+04 / 17
p0 16.46 ± 0.007555
p1 0.4494 ± 3.547e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 608.8 / 17
p0 1.375 ± 0.004073
p1 3.374e-05 ± 3.03e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 176.3 / 17
p0 16.81 ± 0.007803
p1 -4.371e-07 ± 3.343e-07
16.95
16.9
16.85
16.8
16.75
16.7
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 18.11 / 17
p0 1.54 ± 0.00406
p1 -2.095e-06 ± 4.132e-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


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 2.023e+04 / 17
p0 12.36 ± 0.007851
p1 0.4494 ± 3.676e-07
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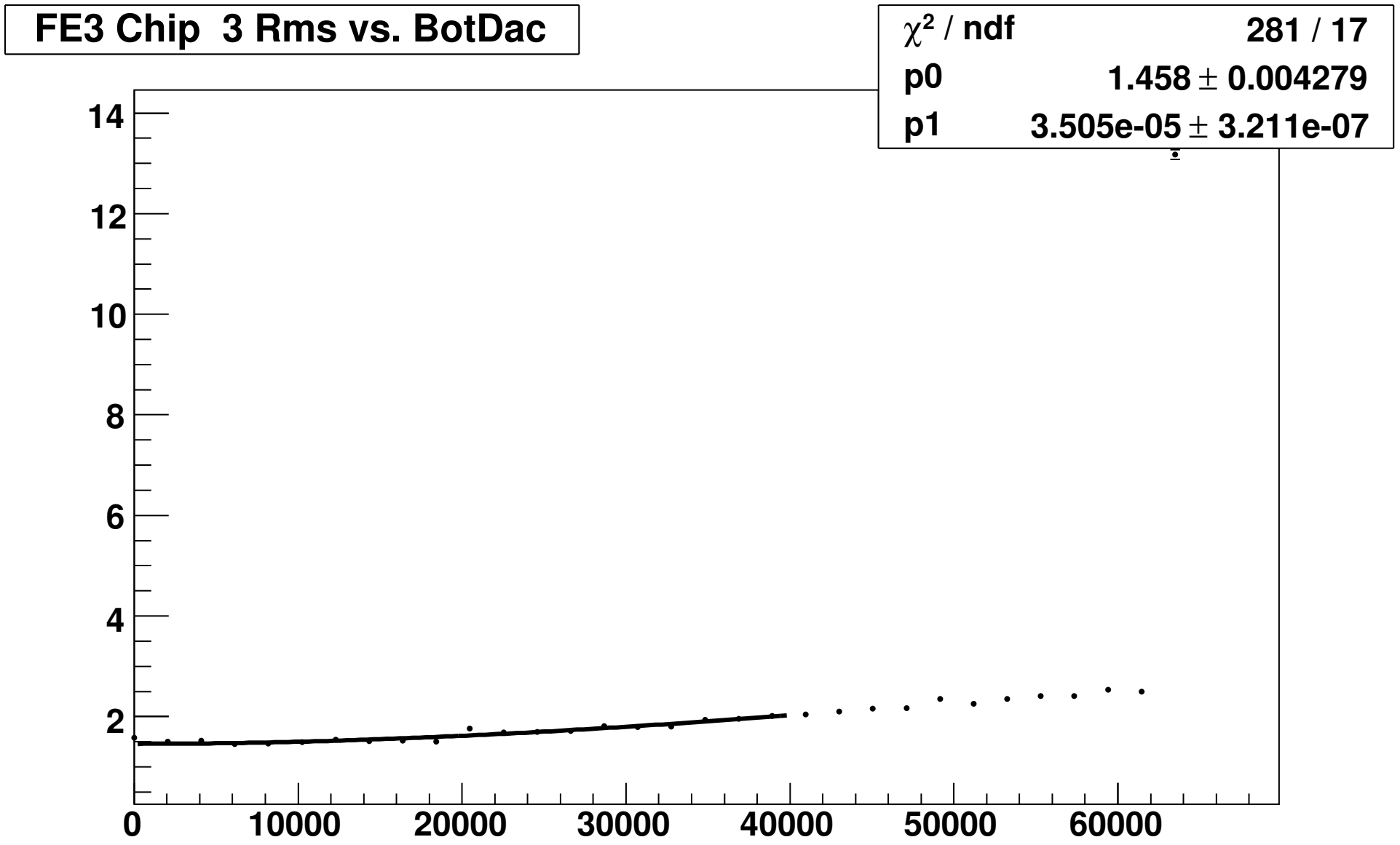
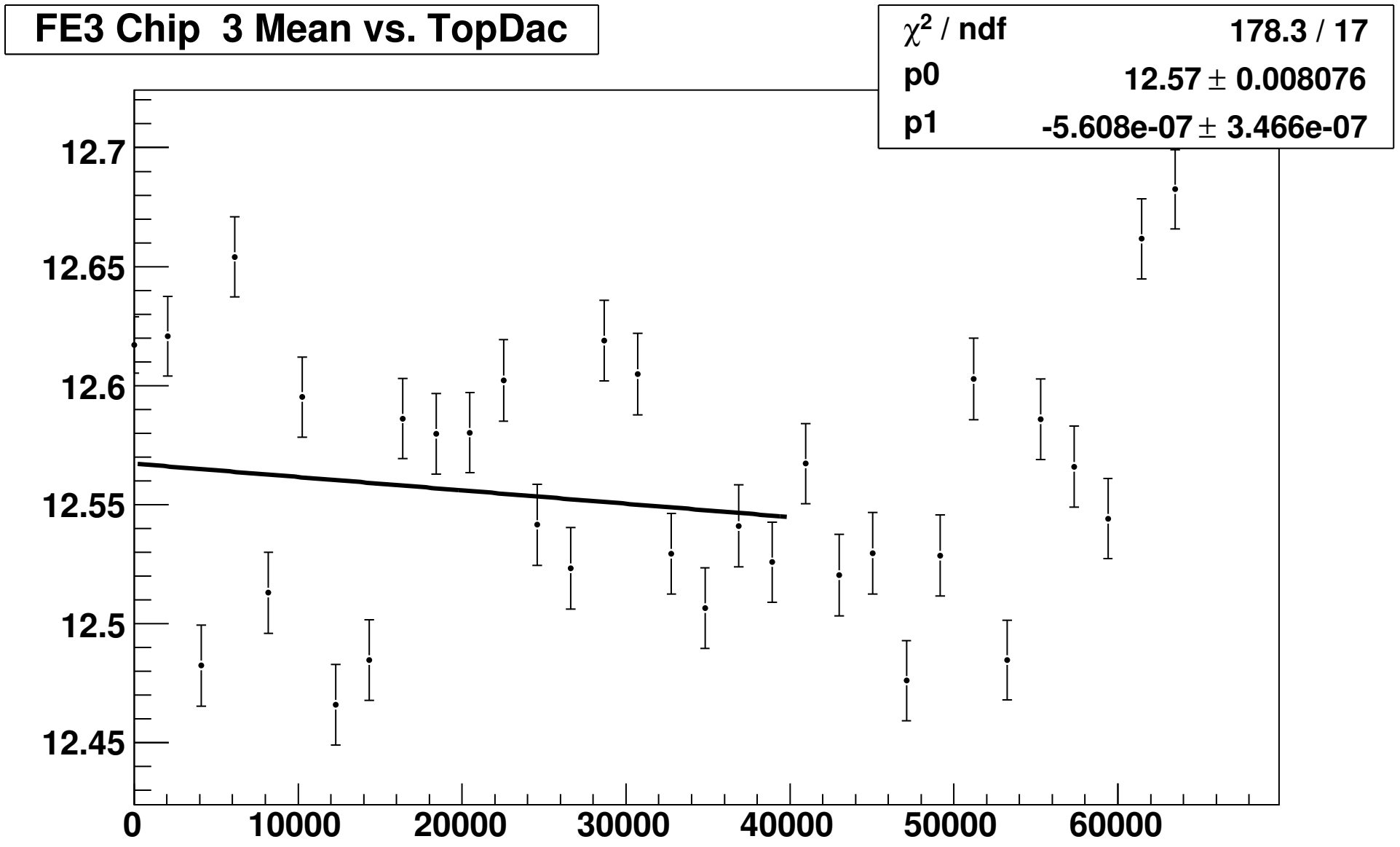
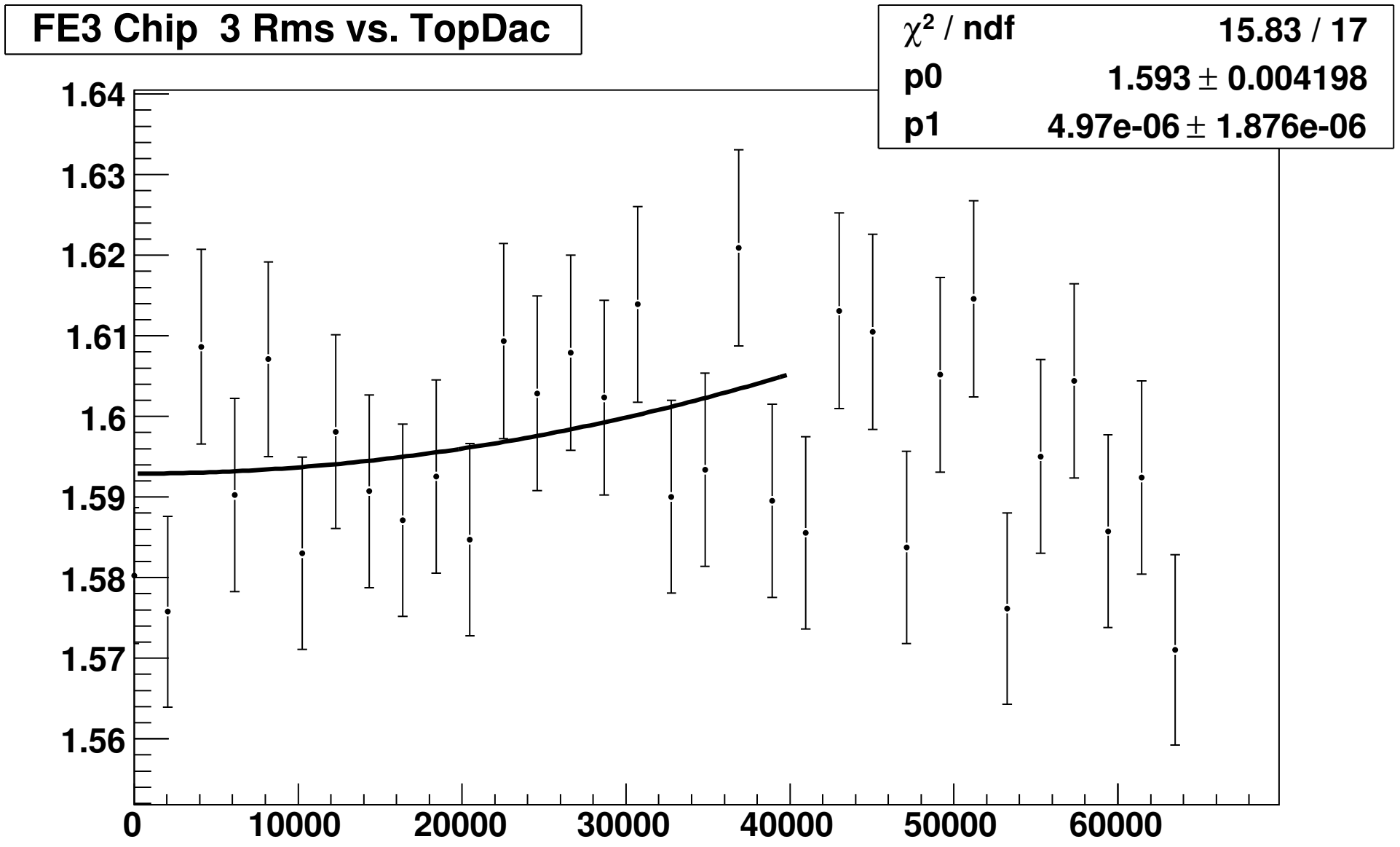
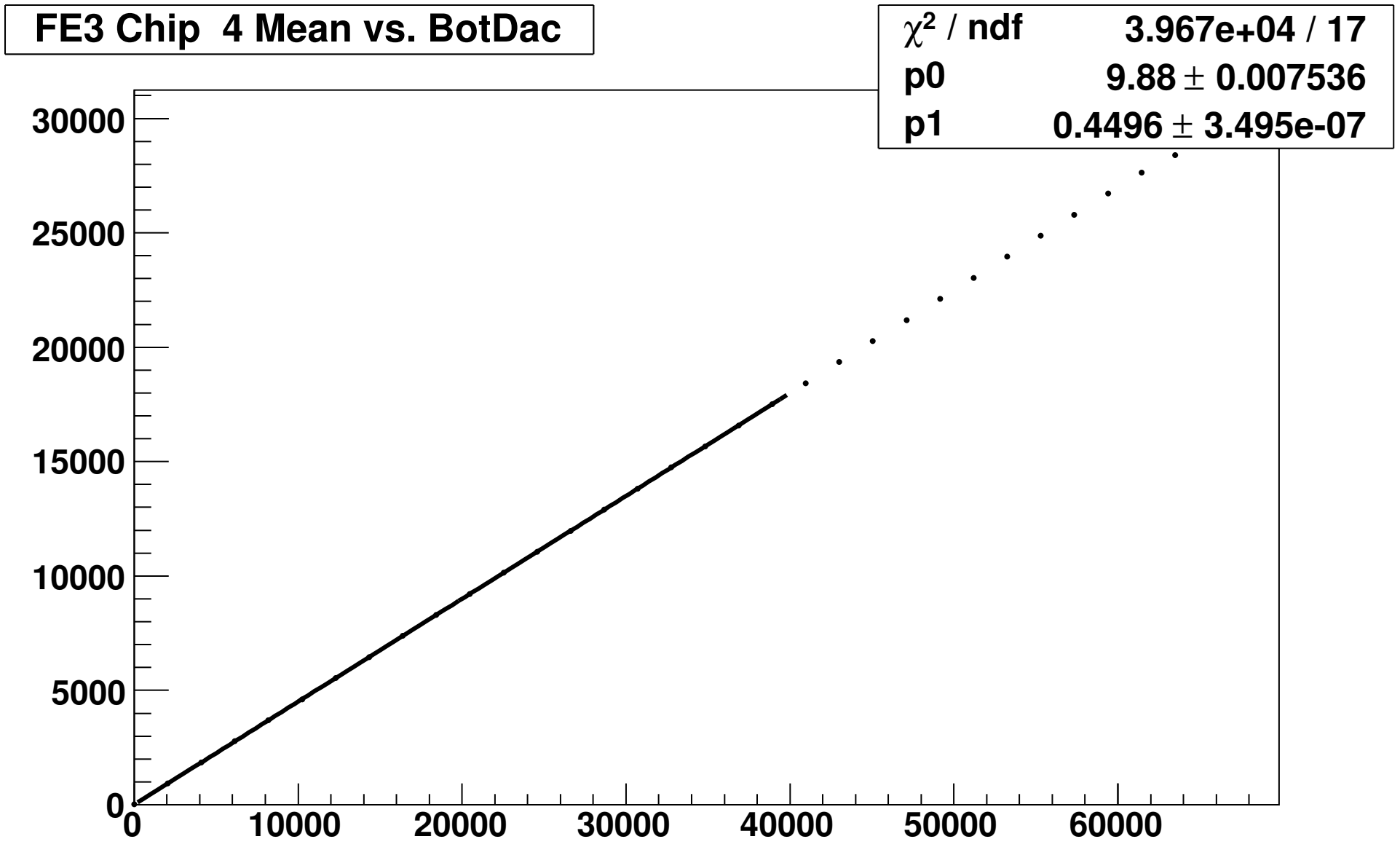
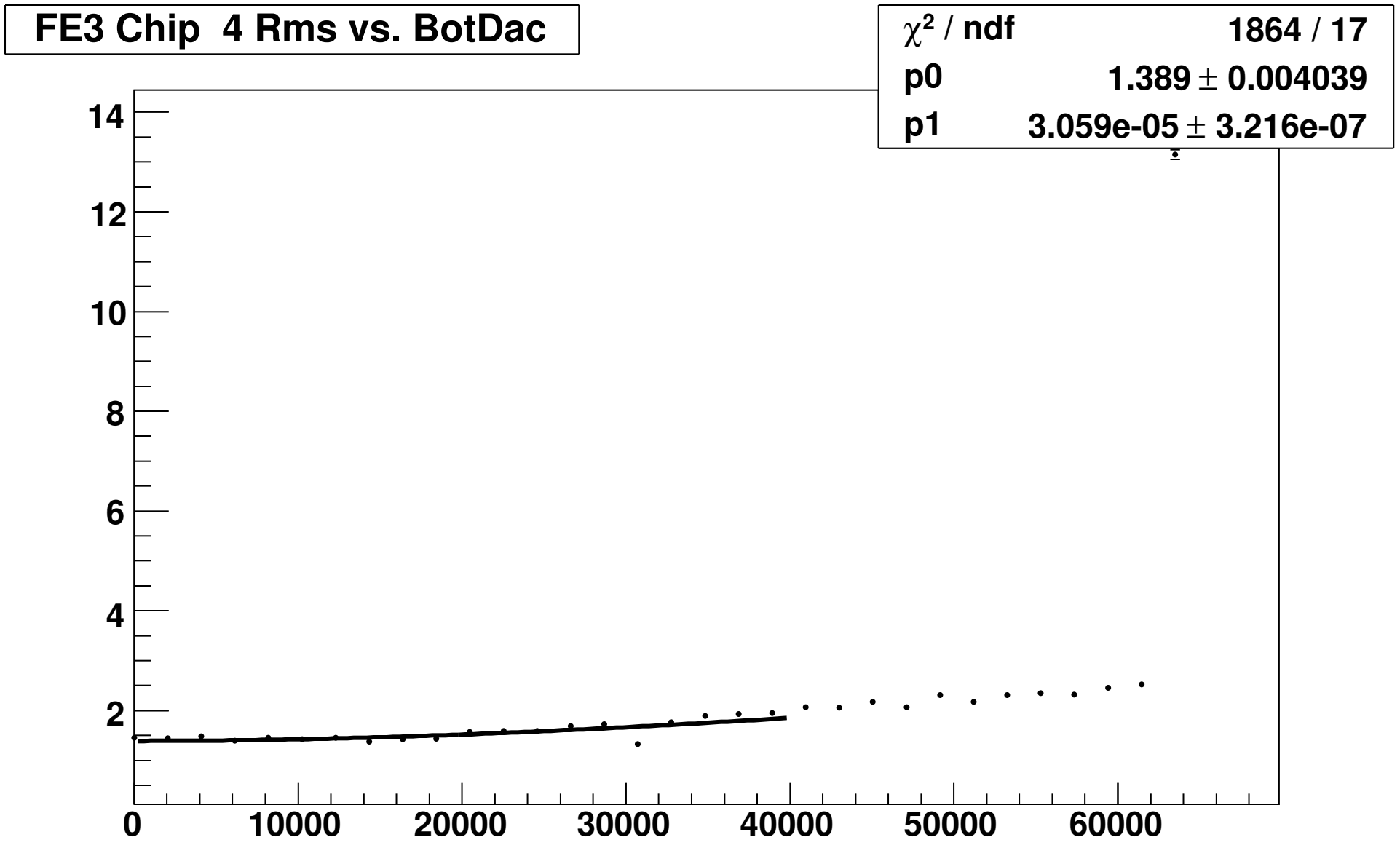
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

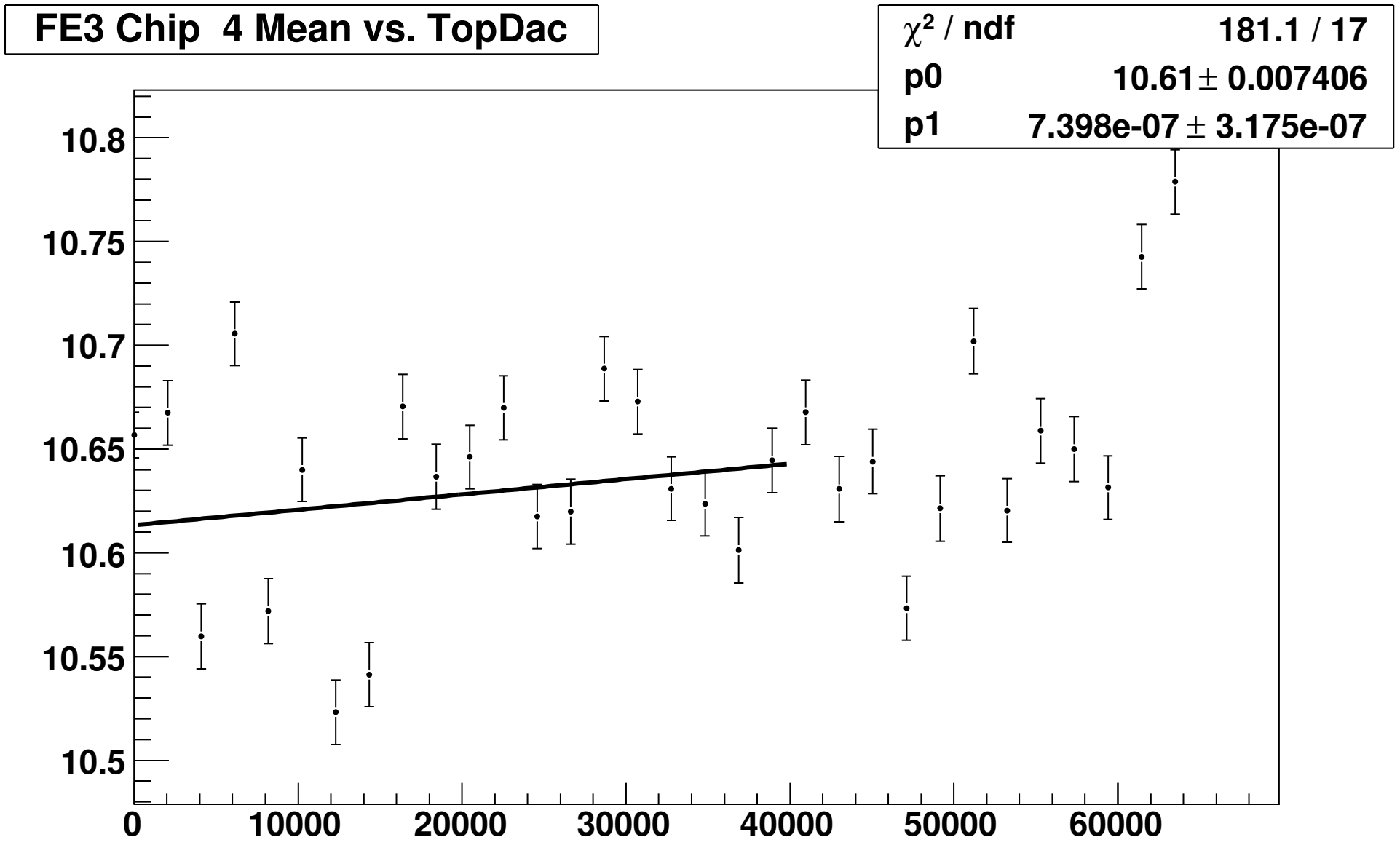

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 281 / 17
p0 1.458 ± 0.004279
p1 3.505e-05 ± 3.211e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

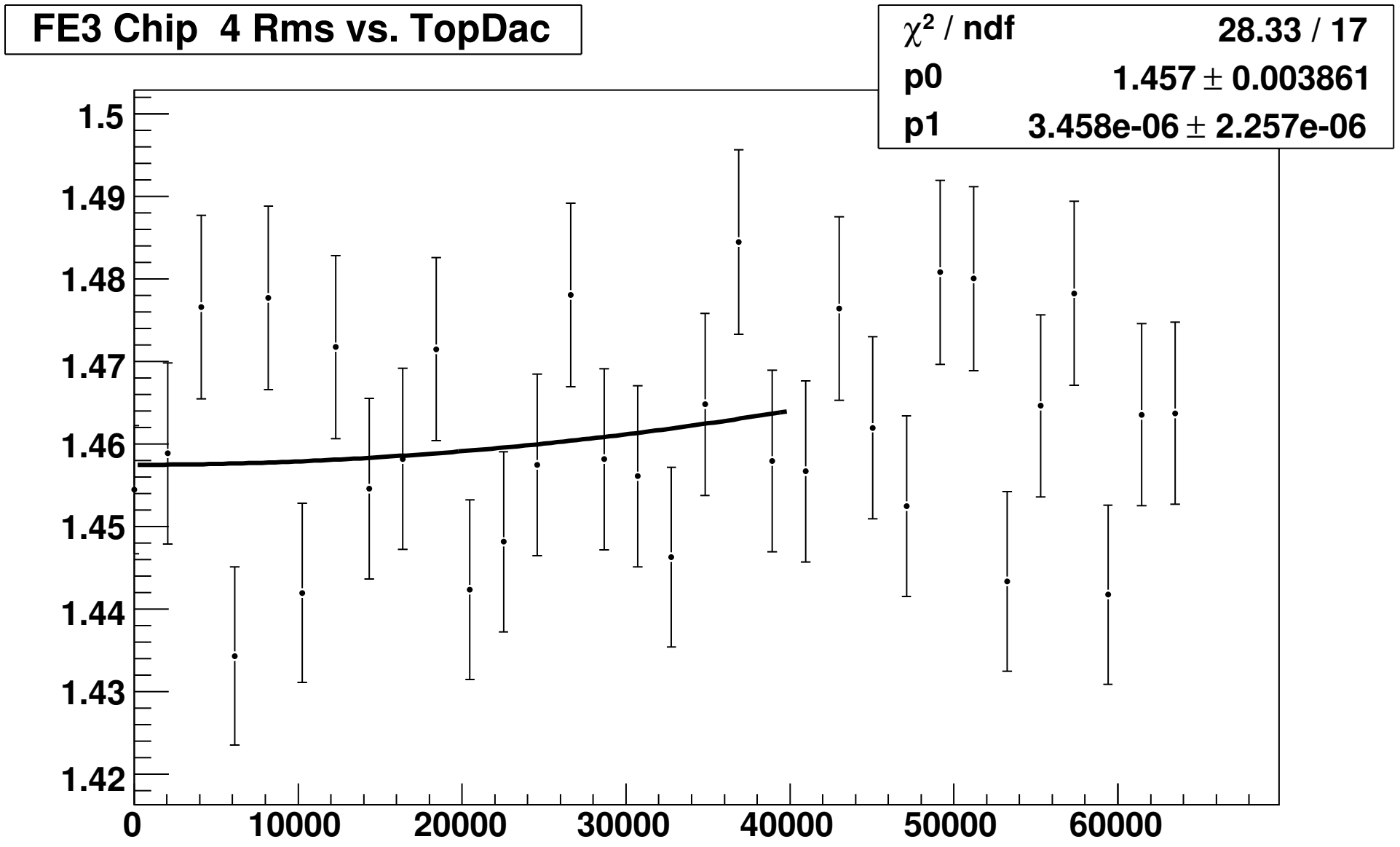

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 178.3 / 17
p0 12.57 ± 0.008076
p1 -5.608e-07 ± 3.466e-07
12.7
12.65
12.6
12.55
12.5
12.45
0
10000
20000
30000
40000
50000
60000

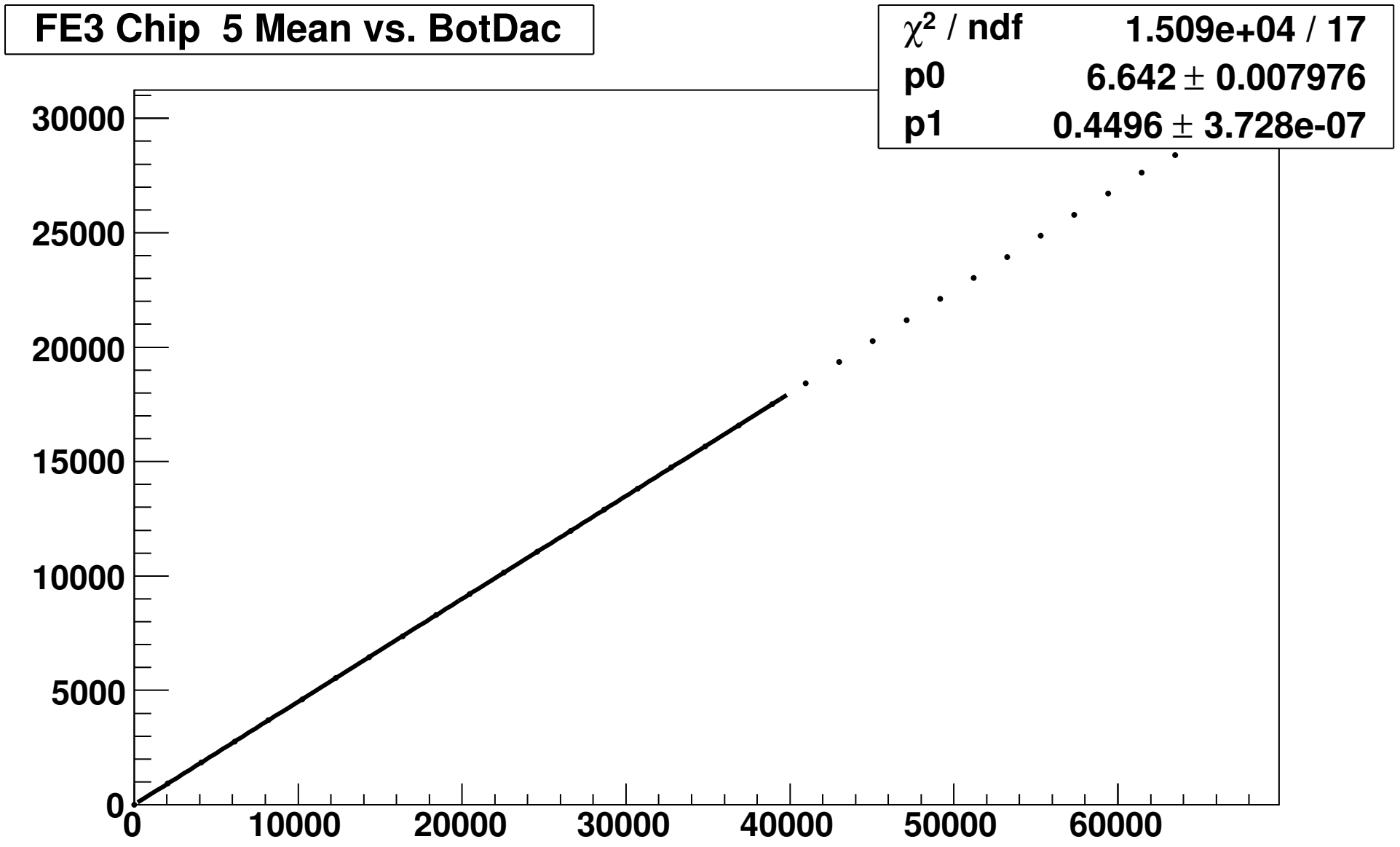

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 15.83 / 17
p0 1.593 ± 0.004198
p1 4.97e-06 ± 1.876e-06
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000

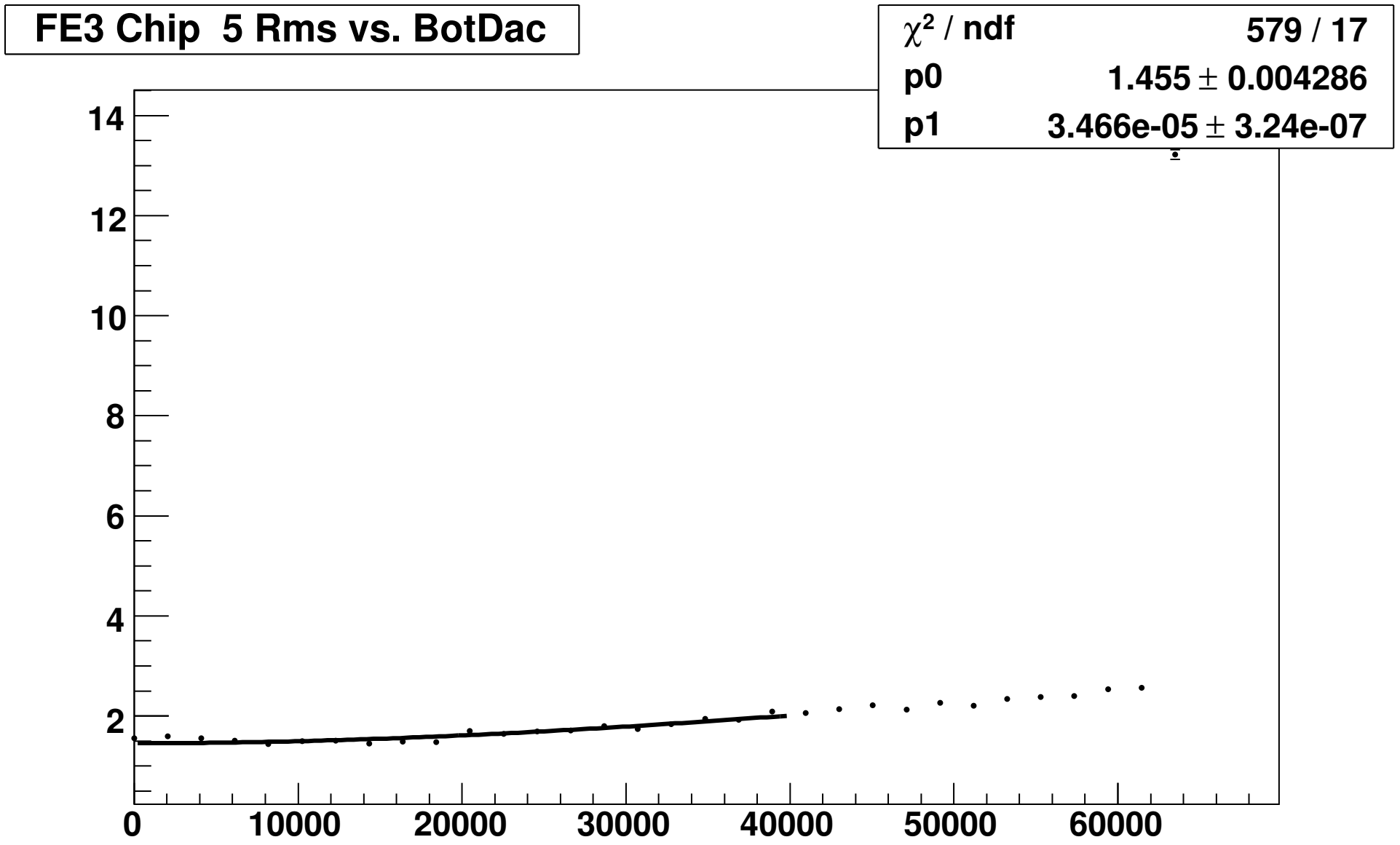

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 3.967e+04 / 17
p0 9.88 ± 0.007536
p1 0.4496 ± 3.495e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

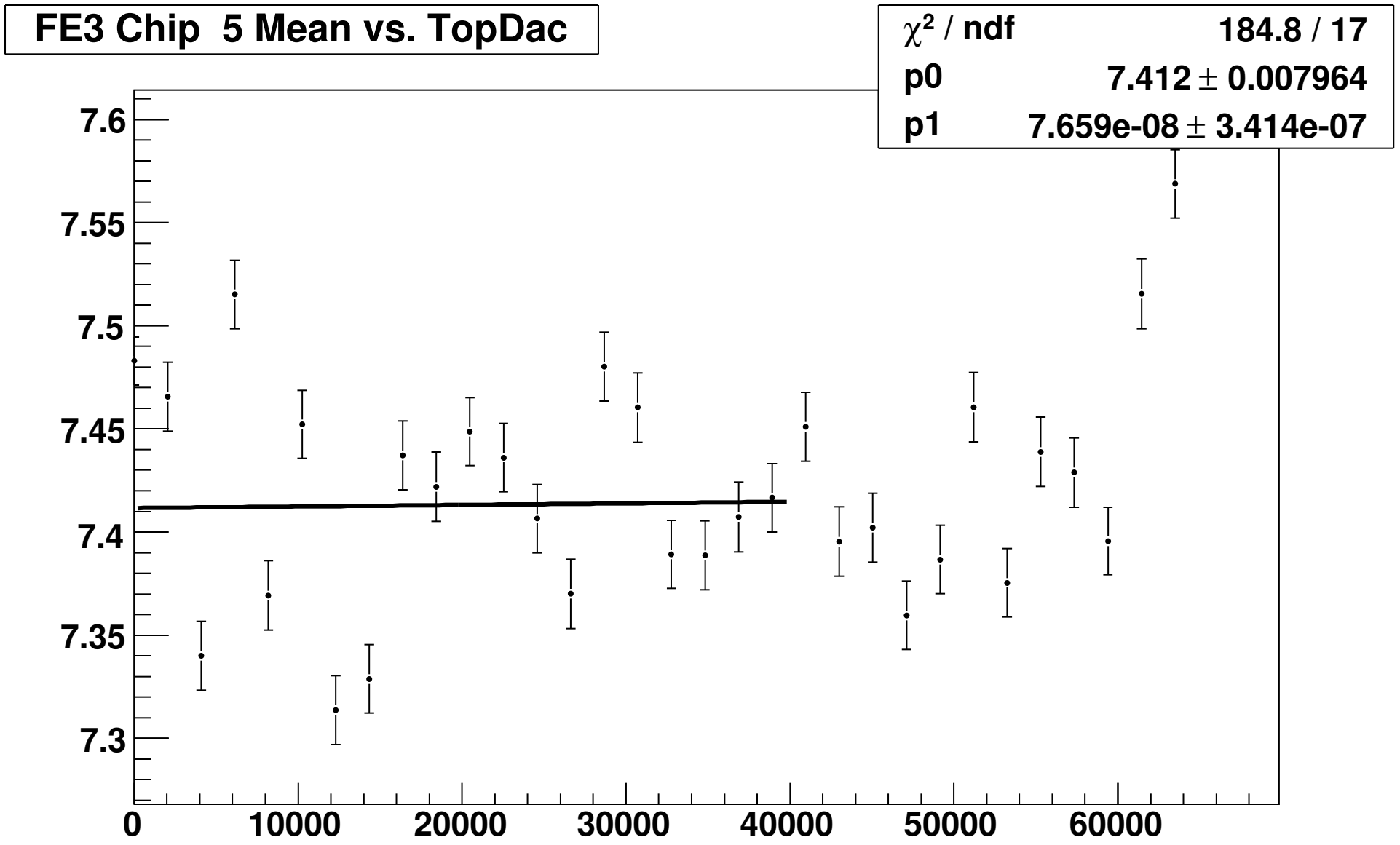

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1864 / 17
p0 1.389 ± 0.004039
p1 3.059e-05 ± 3.216e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 181.1 / 17
p0 10.61 ± 0.007406
p1 7.398e-07 ± 3.175e-07
10.8
10.75
10.7
10.65
10.6
10.55
10.5
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 28.33 / 17
p0 1.457 ± 0.003861
p1 3.458e-06 ± 2.257e-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 5 Mean vs. BotDac
χ² / ndf 1.509e+04 / 17
p0 6.642 ± 0.007976
p1 0.4496 ± 3.728e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 579 / 17
p0 1.455 ± 0.004286
p1 3.466e-05 ± 3.24e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 184.8 / 17
p0 7.412 ± 0.007964
p1 7.659e-08 ± 3.414e-07
7.6
7.55
7.5
7.45
7.4
7.35
7.3
0
10000
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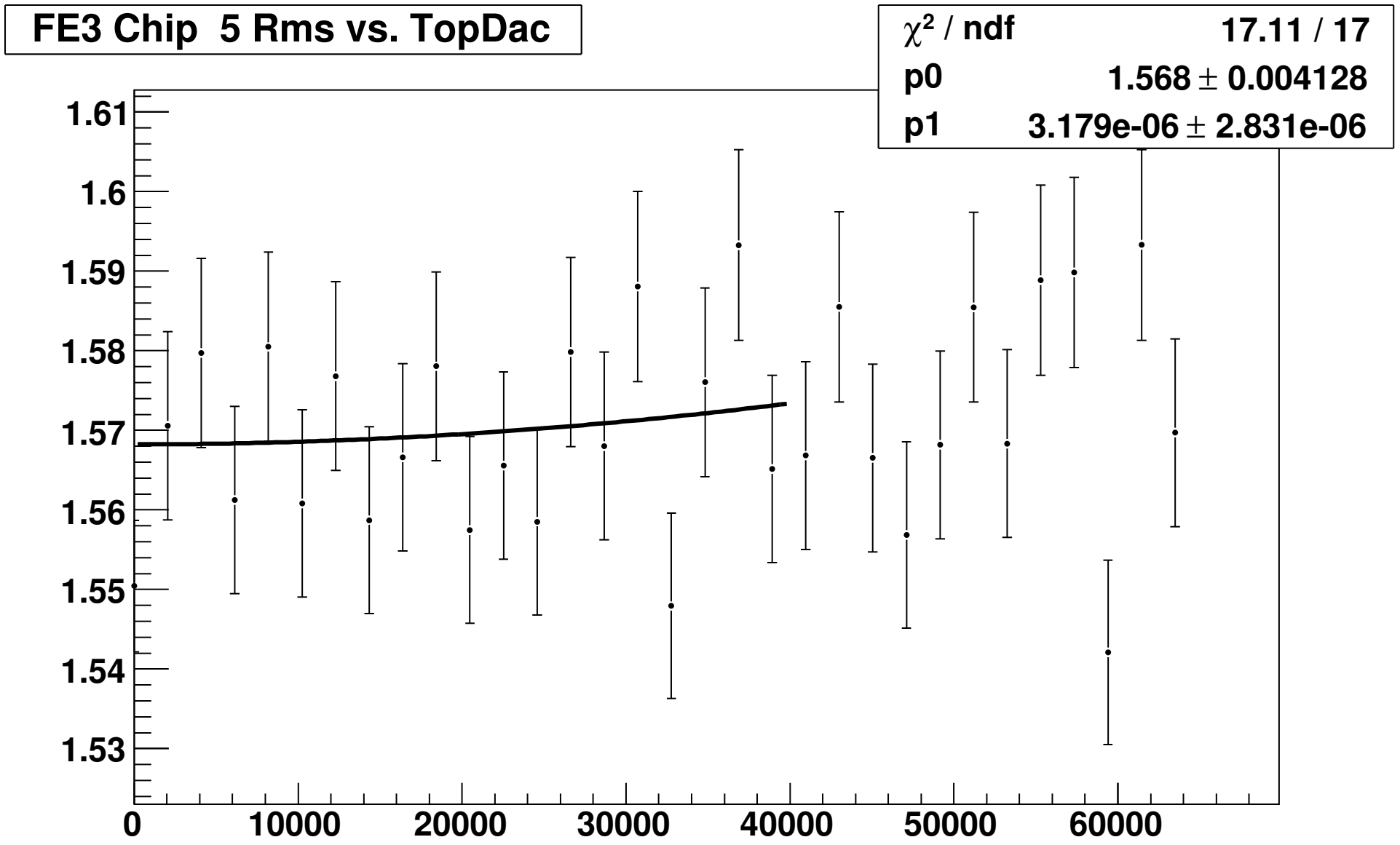
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 17.11 / 17
p0 1.568 ± 0.004128
p1 3.179e-06 ± 2.831e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
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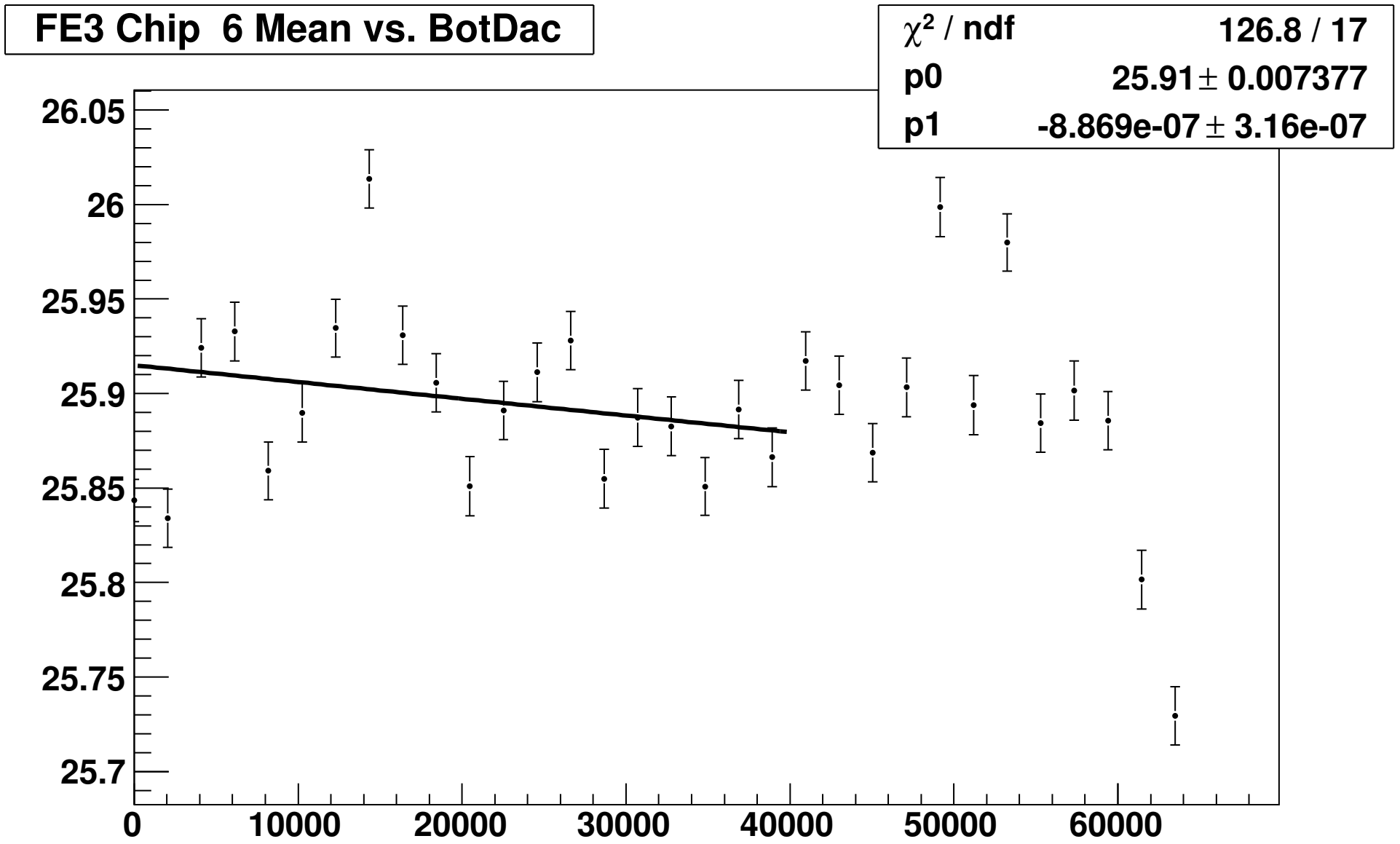
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 126.8 / 17
p0 25.91 ± 0.007377
p1 -8.869e-07 ± 3.16e-07
26.05
26
25.95
25.9
25.85
25.8
25.75
25.7
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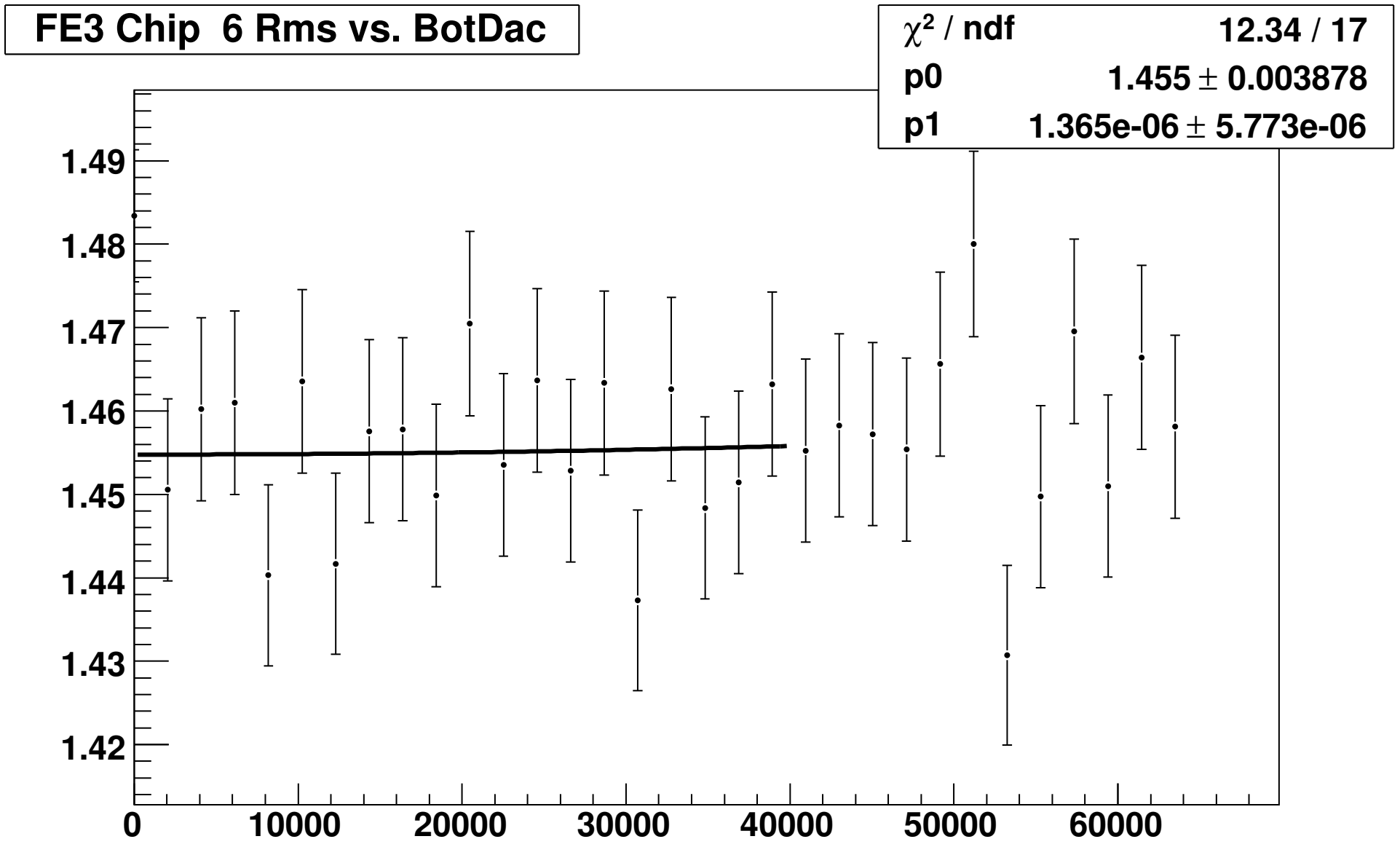
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 12.34 / 17
p0 1.455 ± 0.003878
p1 1.365e-06 ± 5.773e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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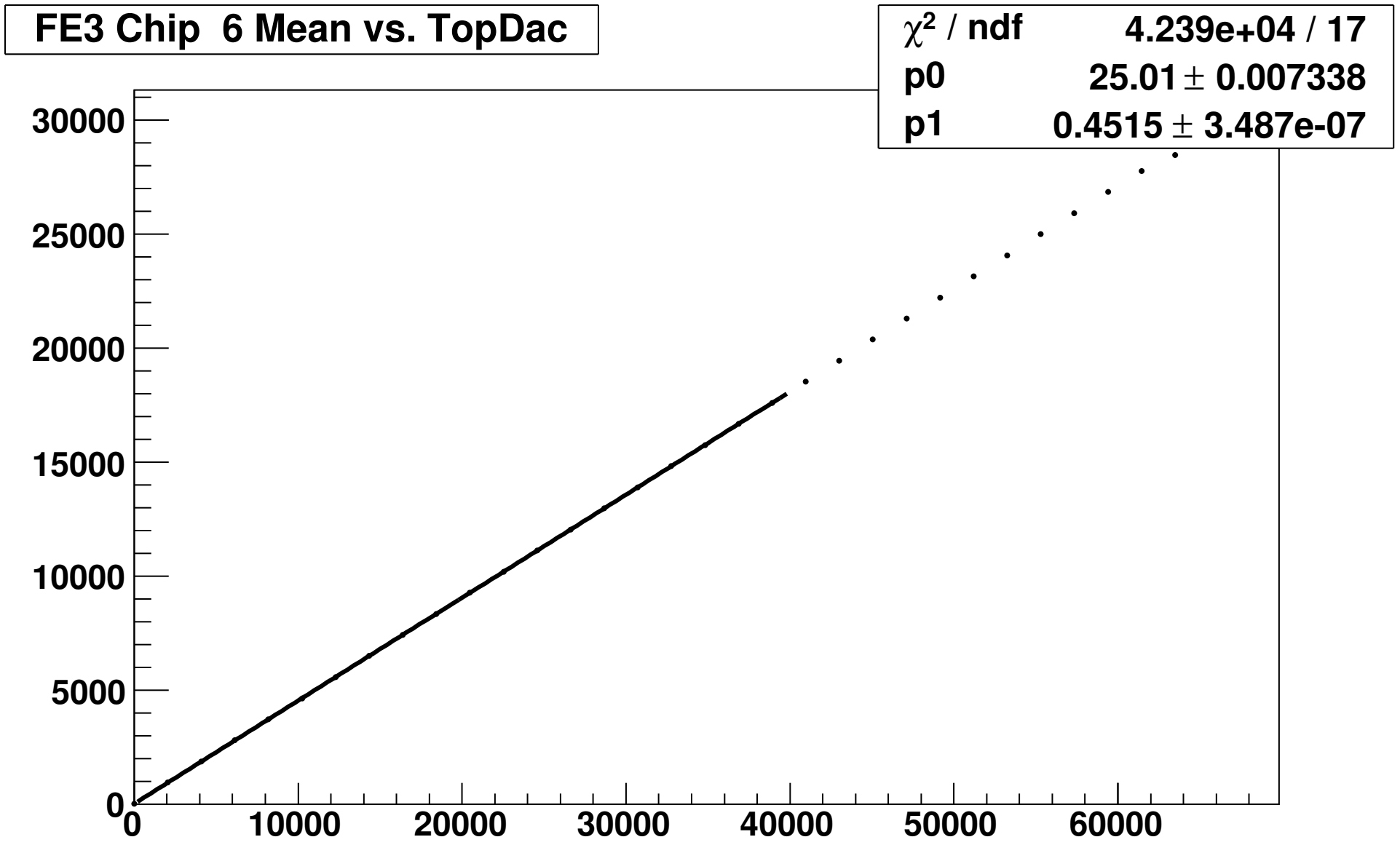
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 4.239e+04 / 17
p0 25.01 ± 0.007338
p1 0.4515 ± 3.487e-07
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25000
20000
15000
10000
5000
0
0
10000
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30000
40000
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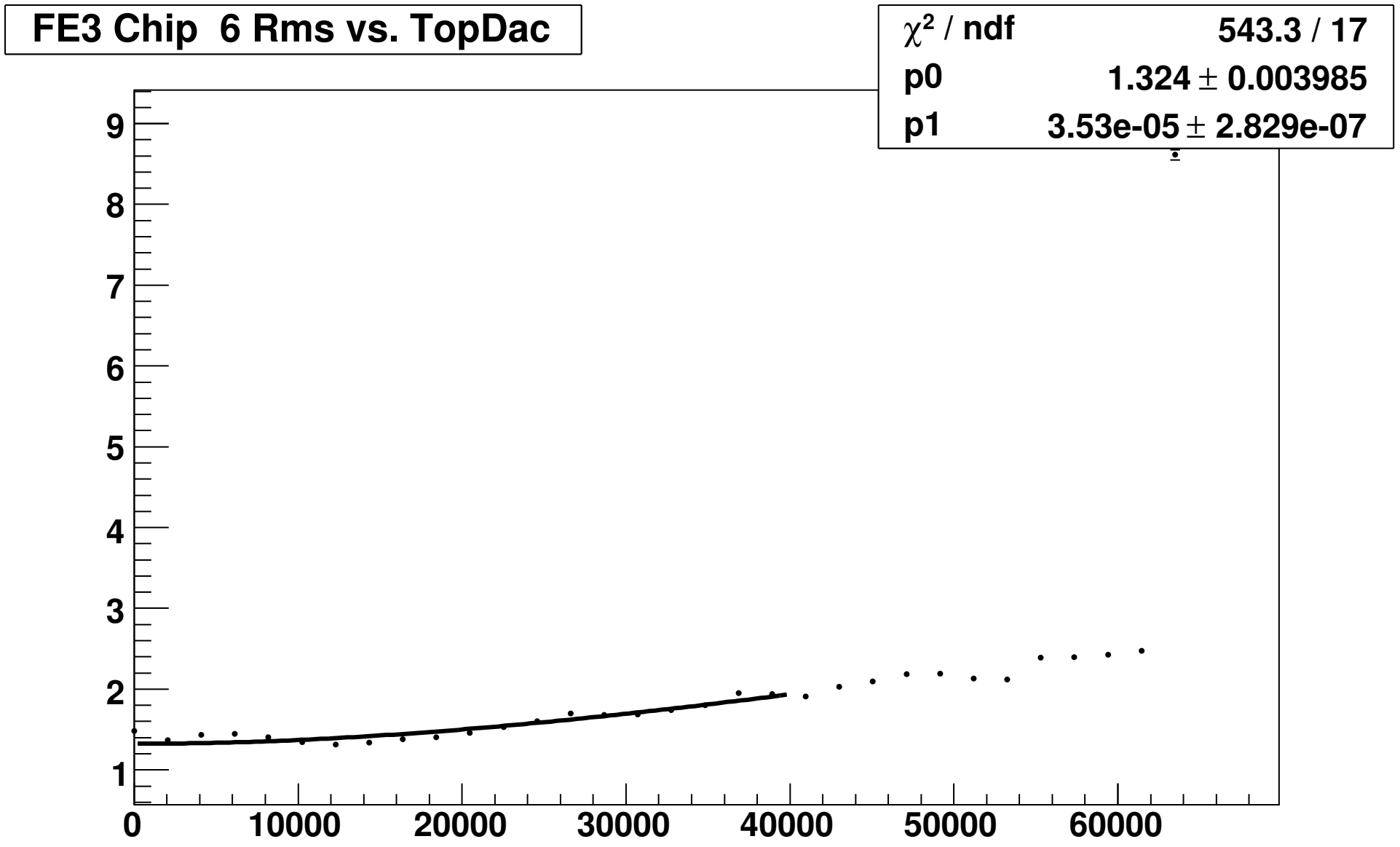
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 543.3 / 17
p0 1.324 ± 0.003985
p1 3.53e-05 ± 2.829e-07
9
8
7
6
5
4
3
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1
0
10000
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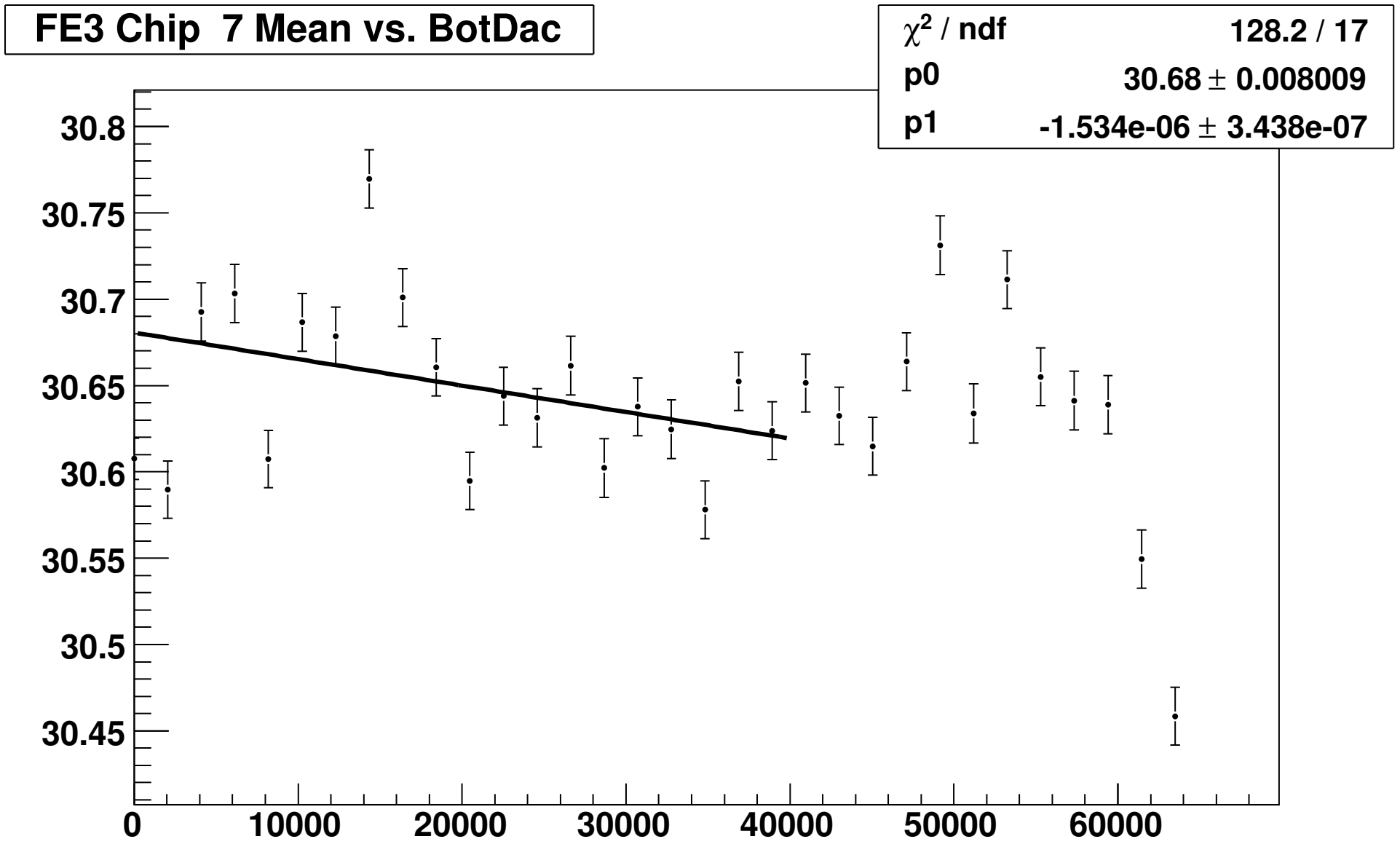
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 128.2 / 17
p0 30.68 ± 0.008009
p1 -1.534e-06 ± 3.438e-07
30.8
30.75
30.7
30.65
30.6
30.55
30.5
30.45
0
10000
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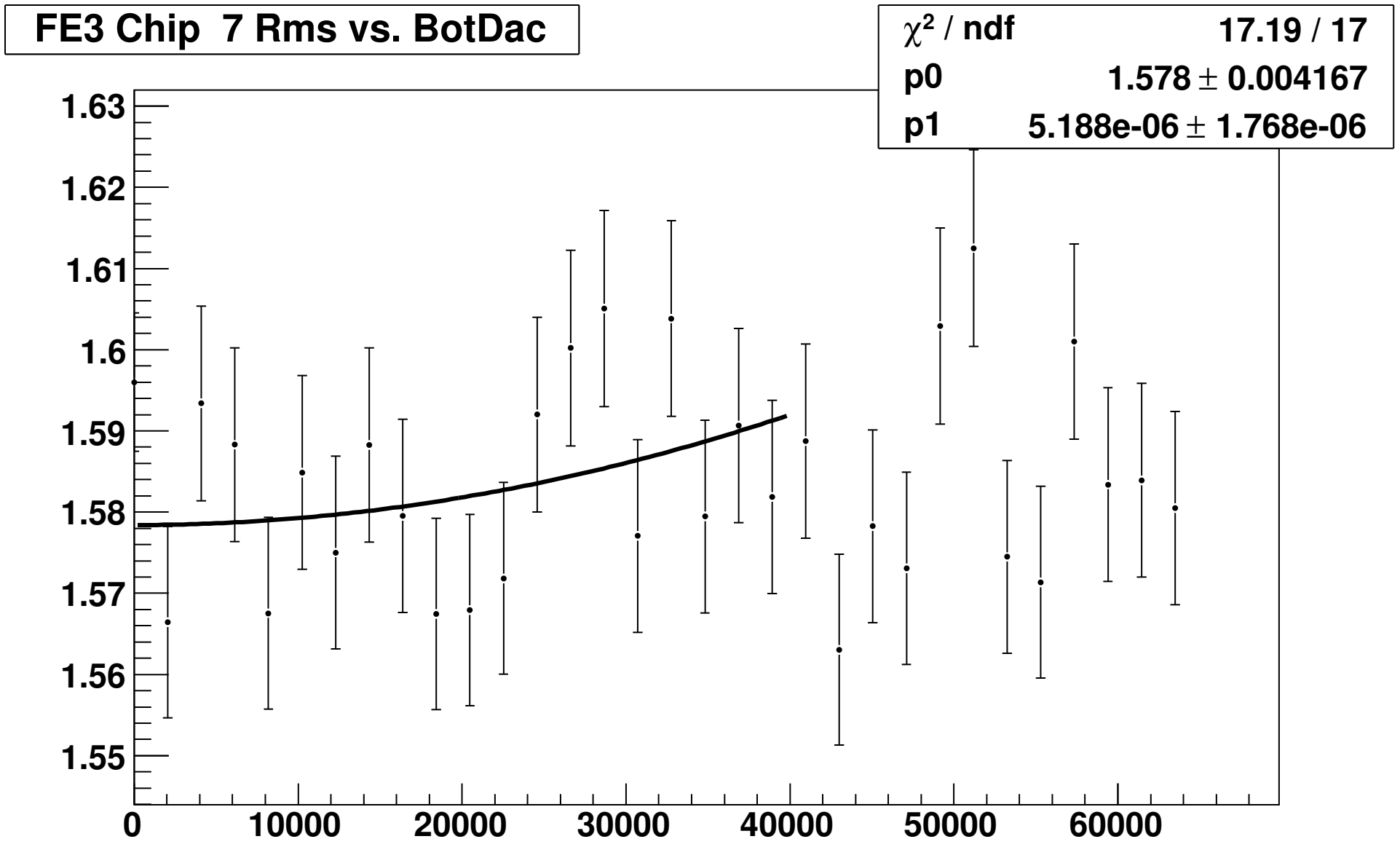
40000
50000
60000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 17.19 / 17
p0 1.578 ± 0.004167
p1 5.188e-06 ± 1.768e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
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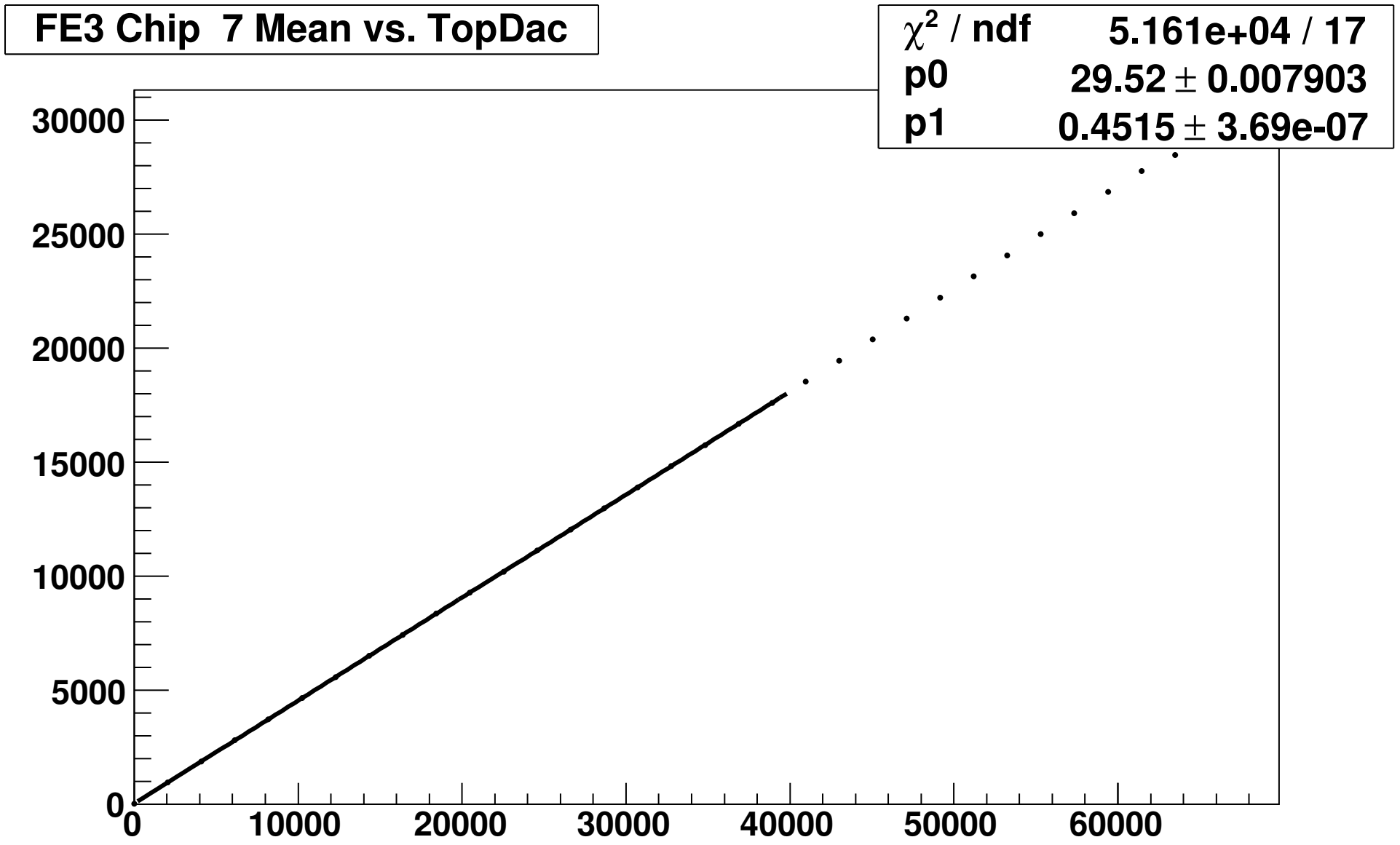
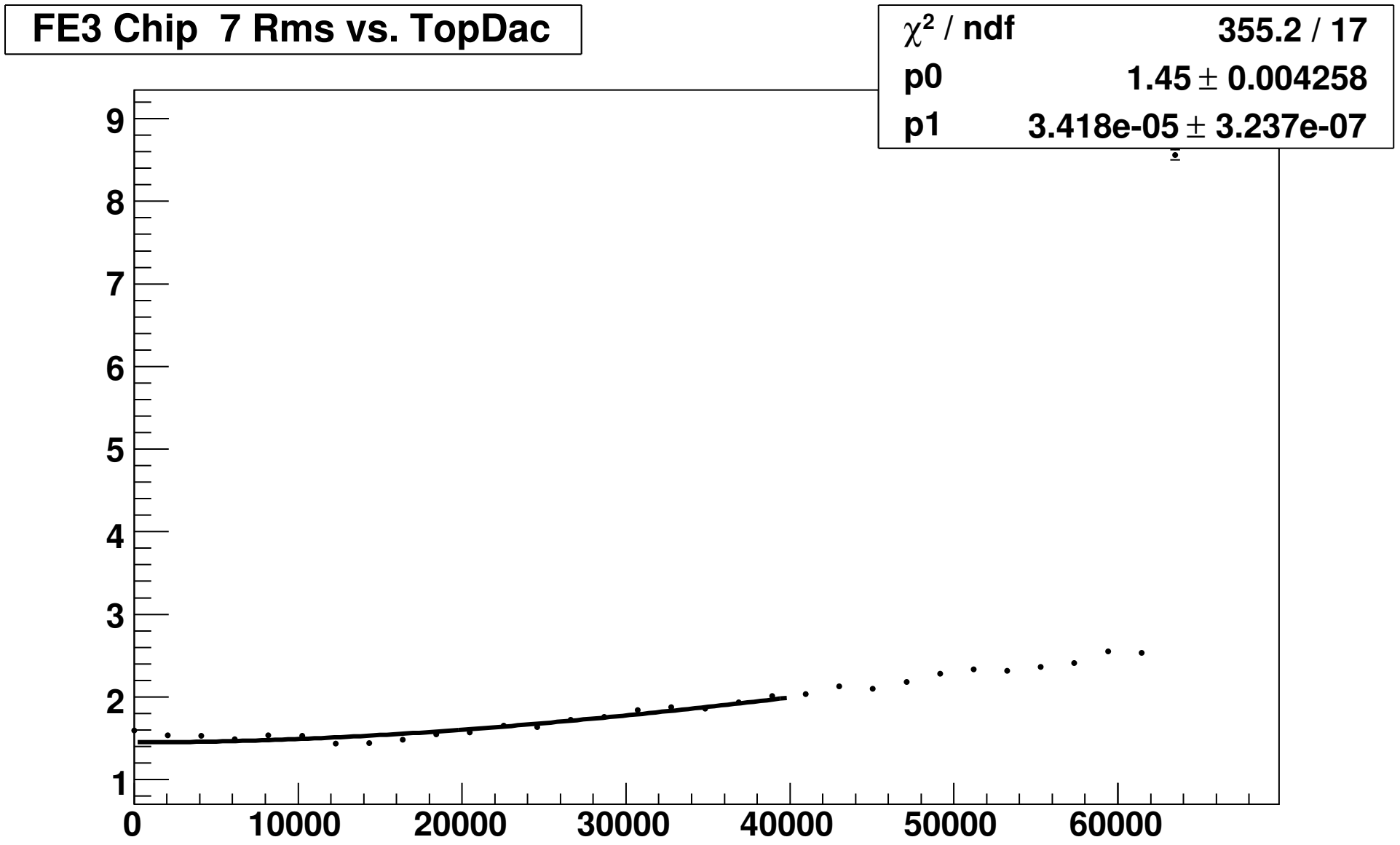
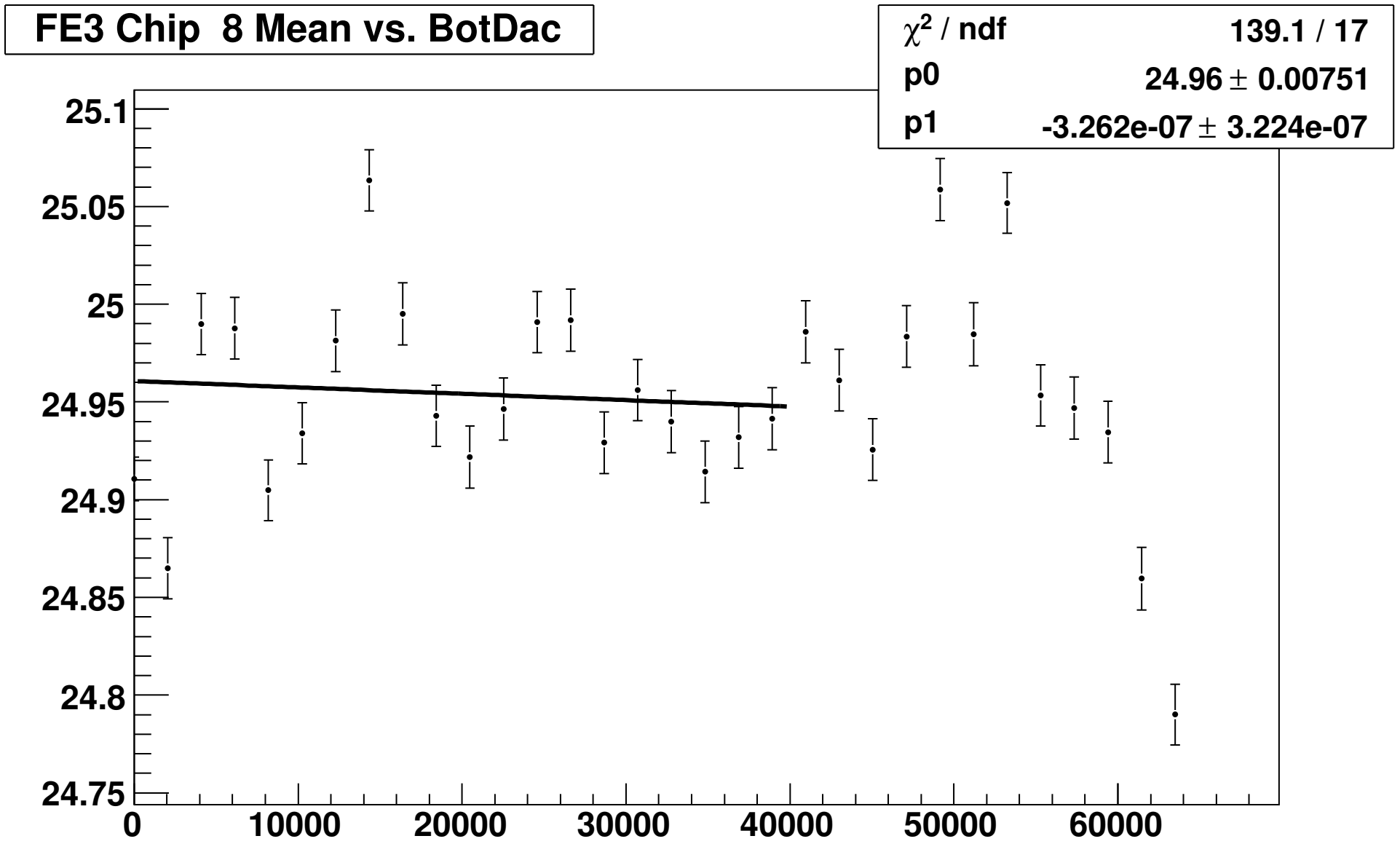
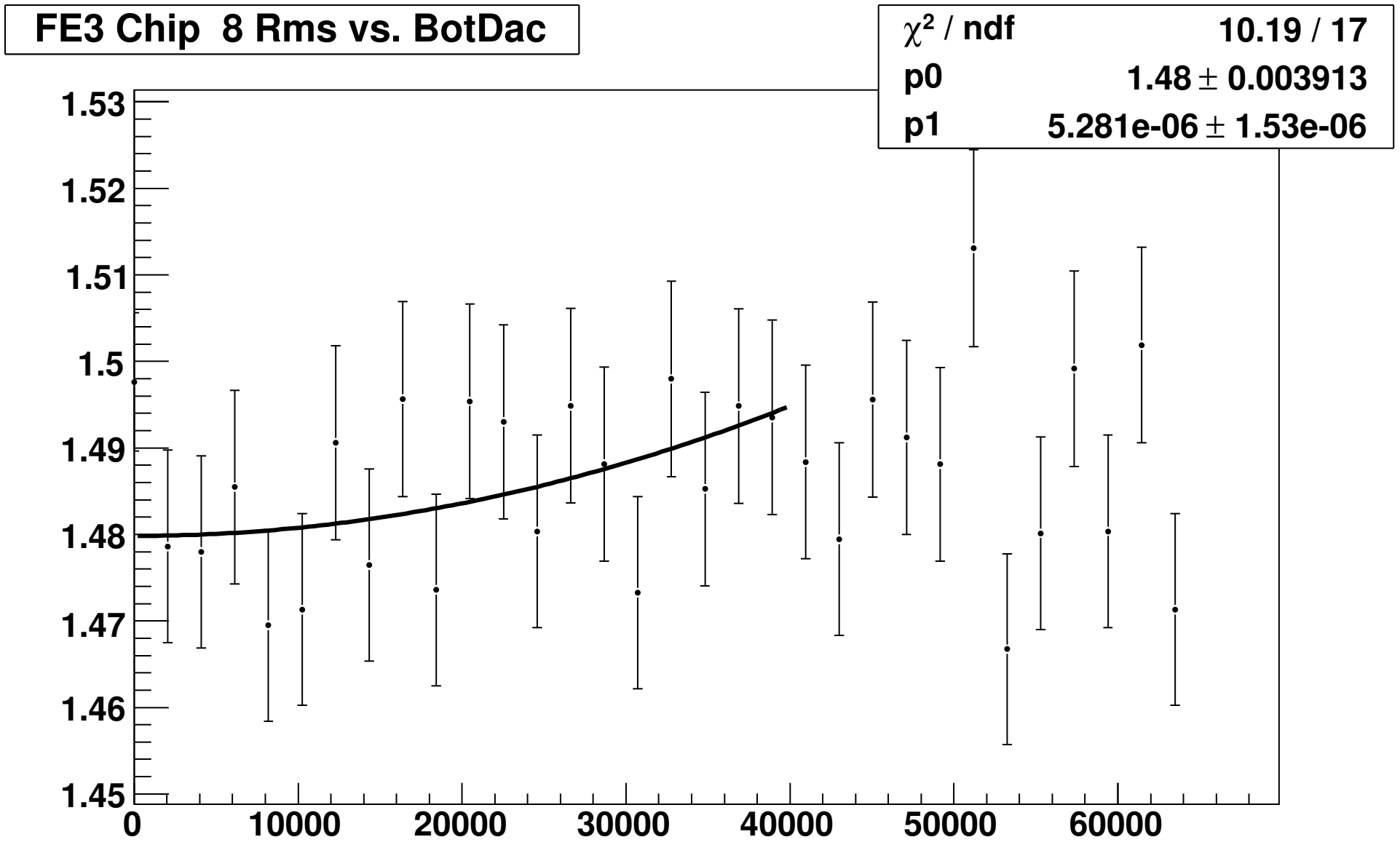
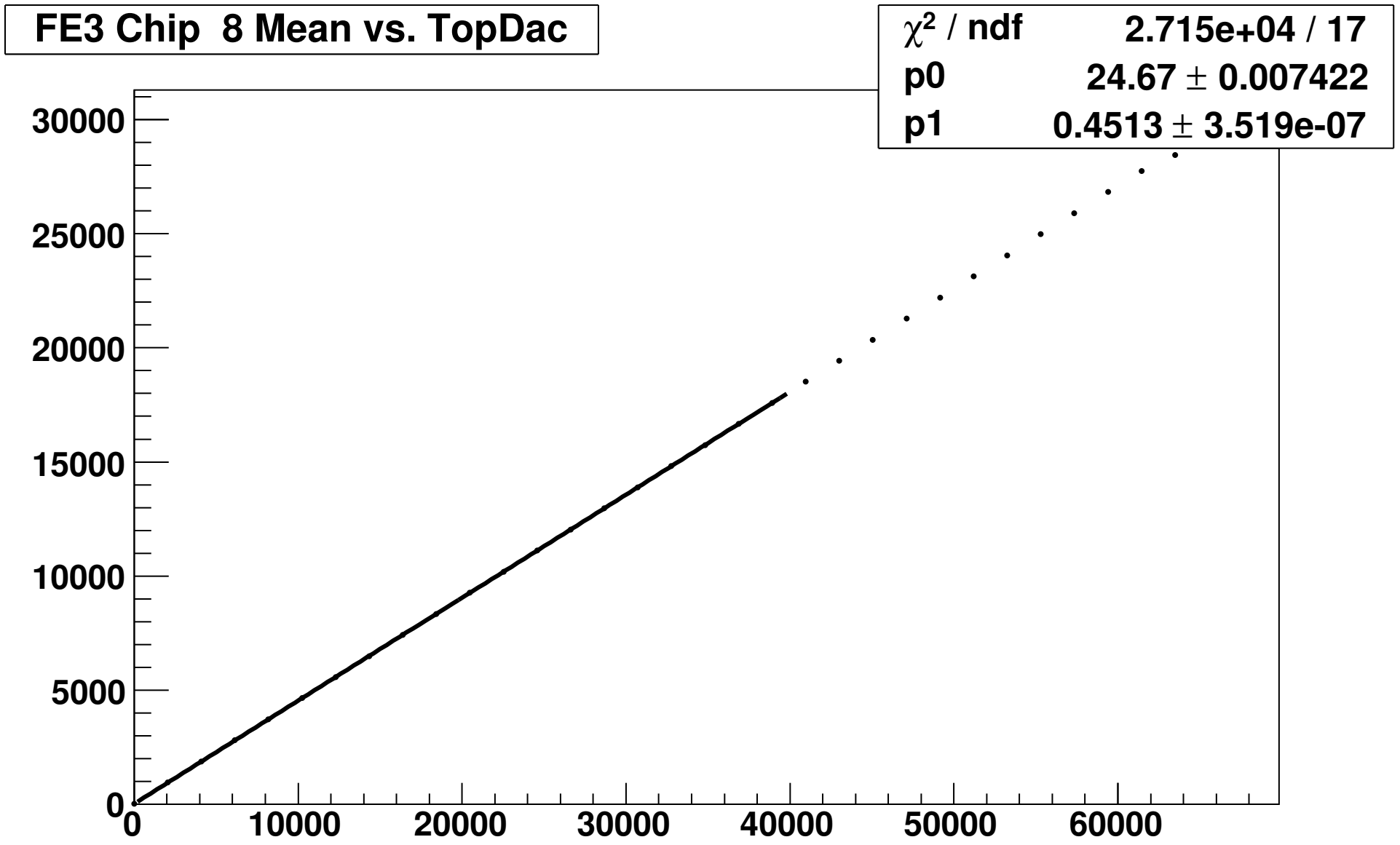
60000

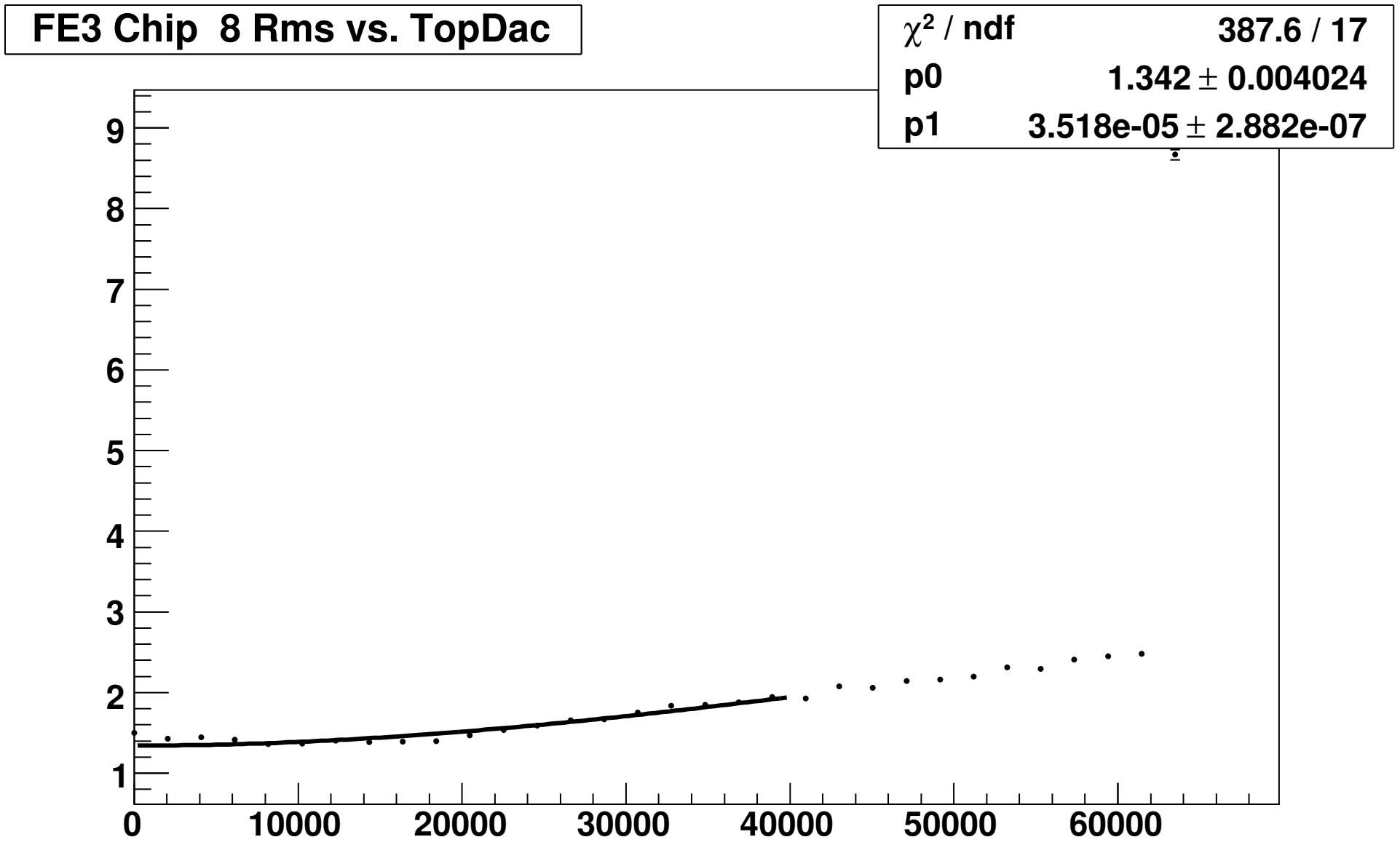

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 5.161e+04 / 17
p0 29.52 ± 0.007903
p1 0.4515 ± 3.69e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

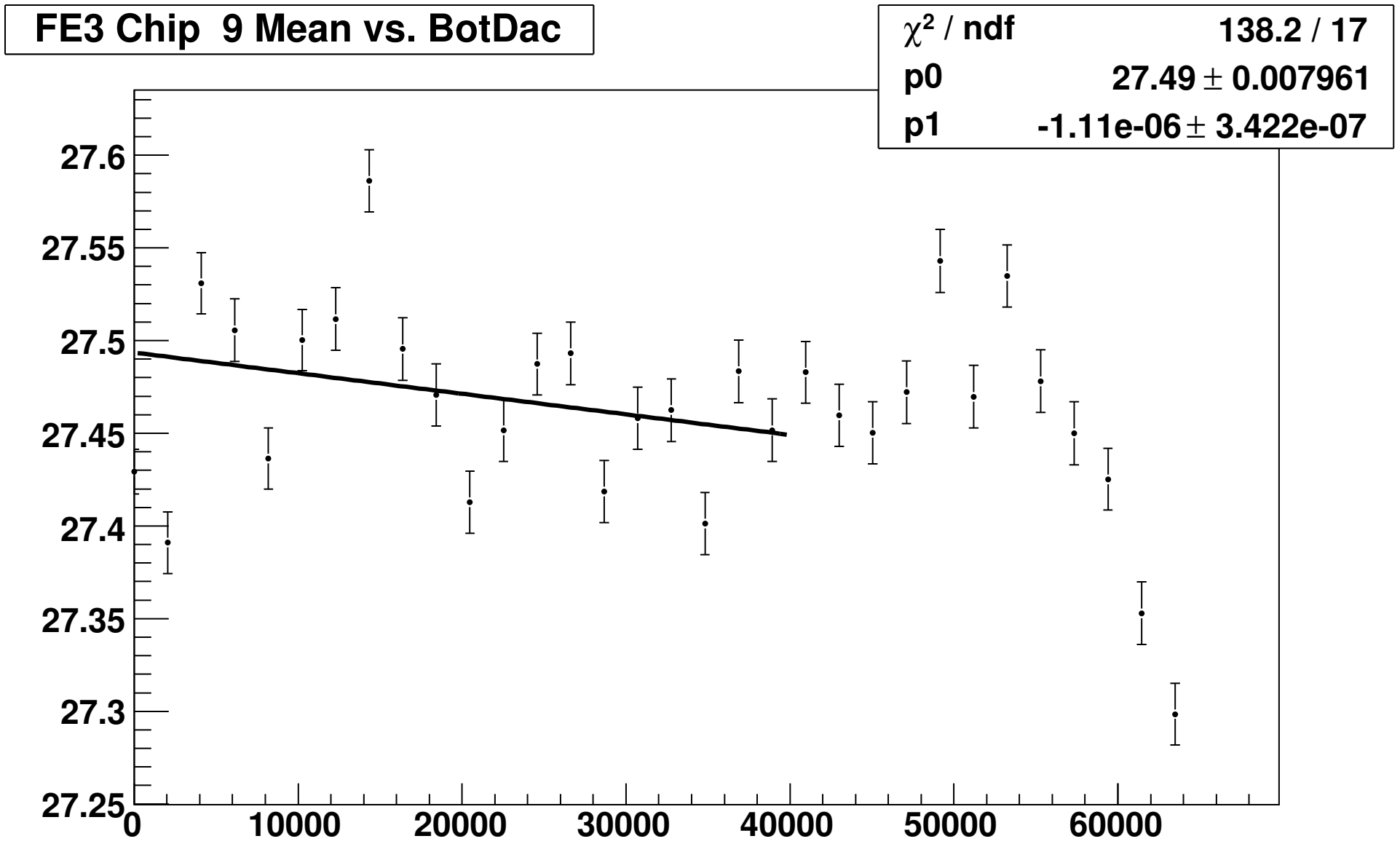

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 355.2 / 17
p0 1.45 ± 0.004258
p1 3.418e-05 ± 3.237e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

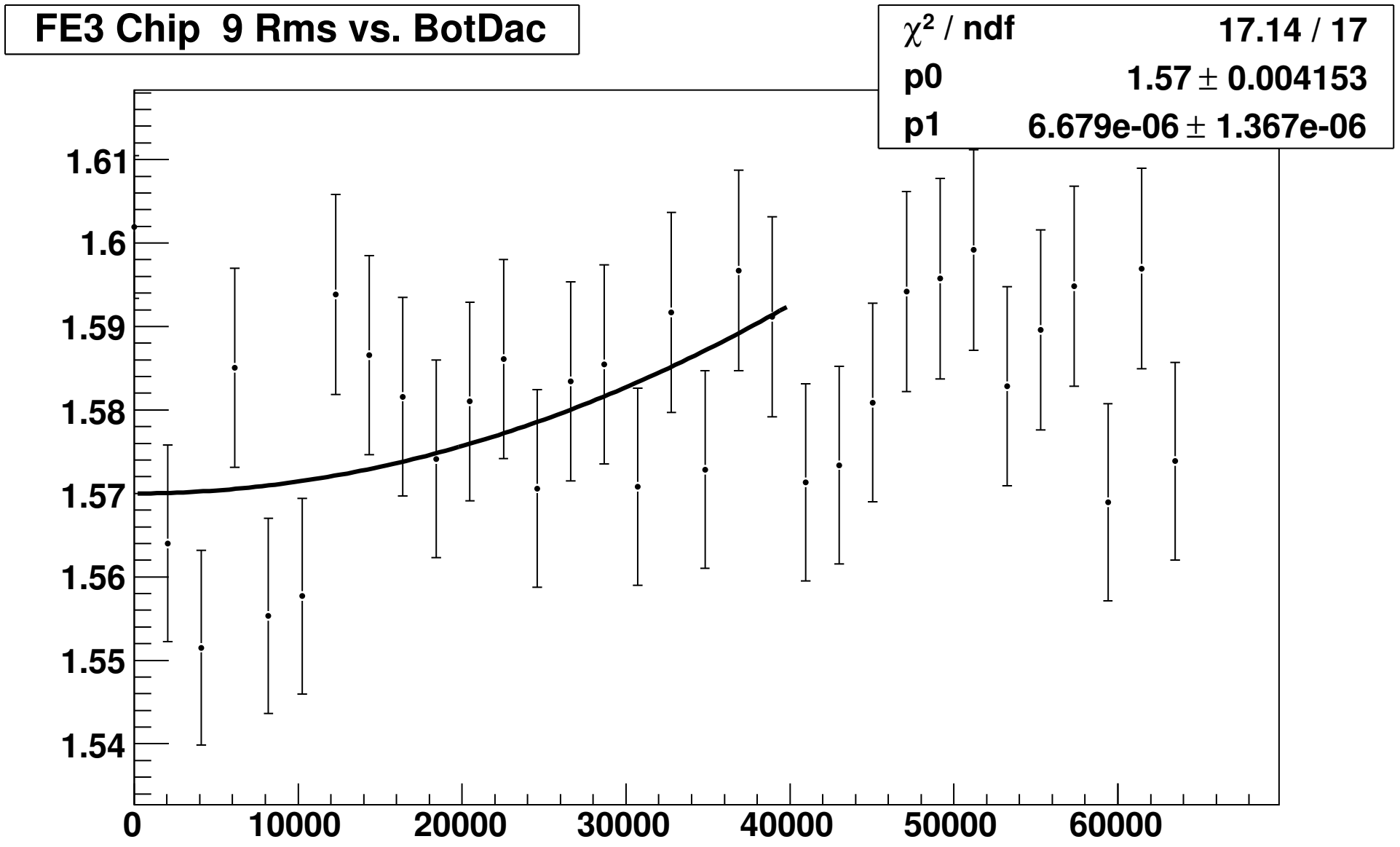

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 139.1 / 17
p0 24.96 ± 0.00751
p1 -3.262e-07 ± 3.224e-07
25.1
25.05
25
24.95
24.9
24.85
24.8
24.75
0
10000
20000
30000
40000
50000
60000

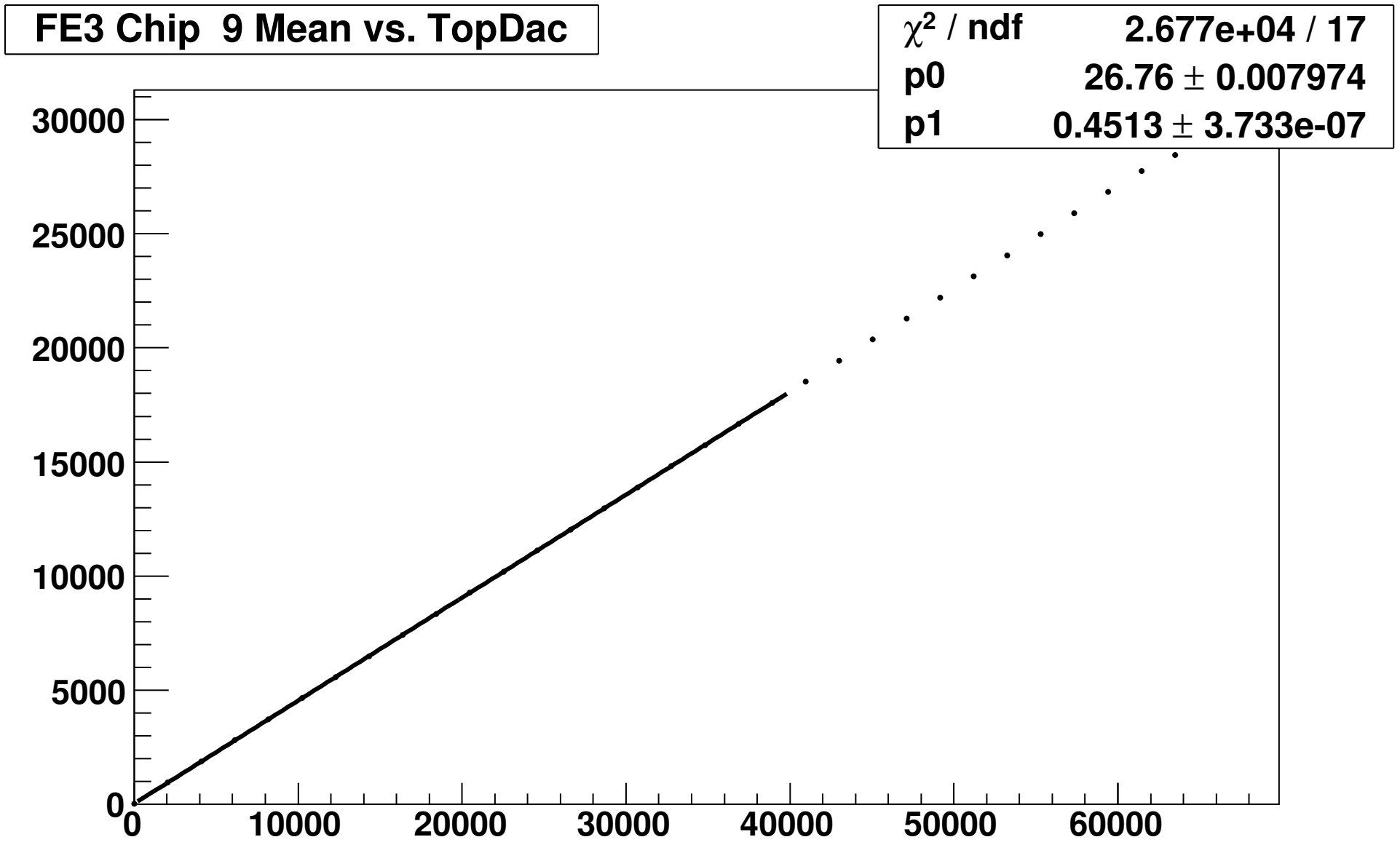

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 10.19 / 17
p0 1.48 ± 0.003913
p1 5.281e-06 ± 1.53e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

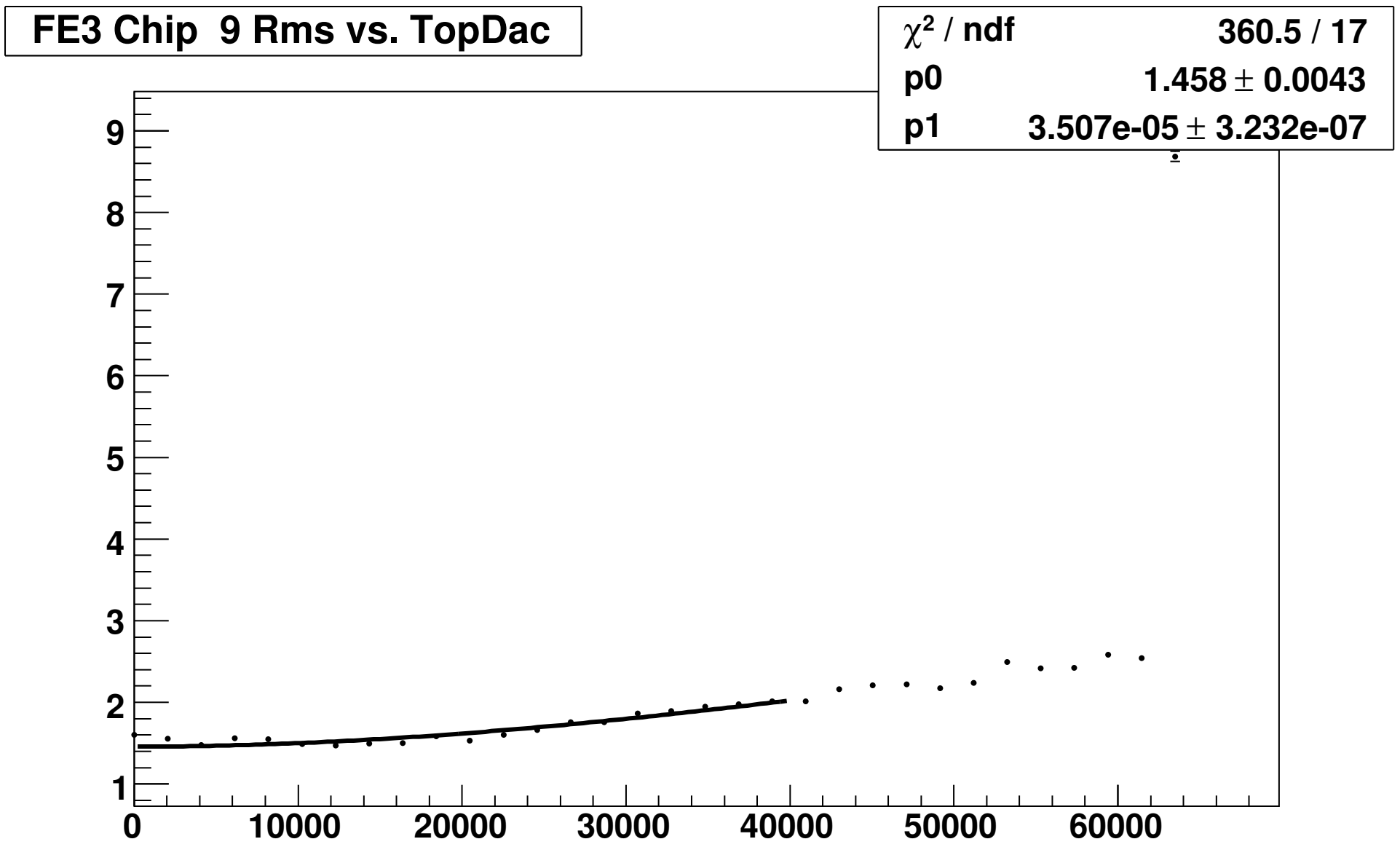

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 2.715e+04 / 17
p0 24.67 ± 0.007422
p1 0.4513 ± 3.519e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

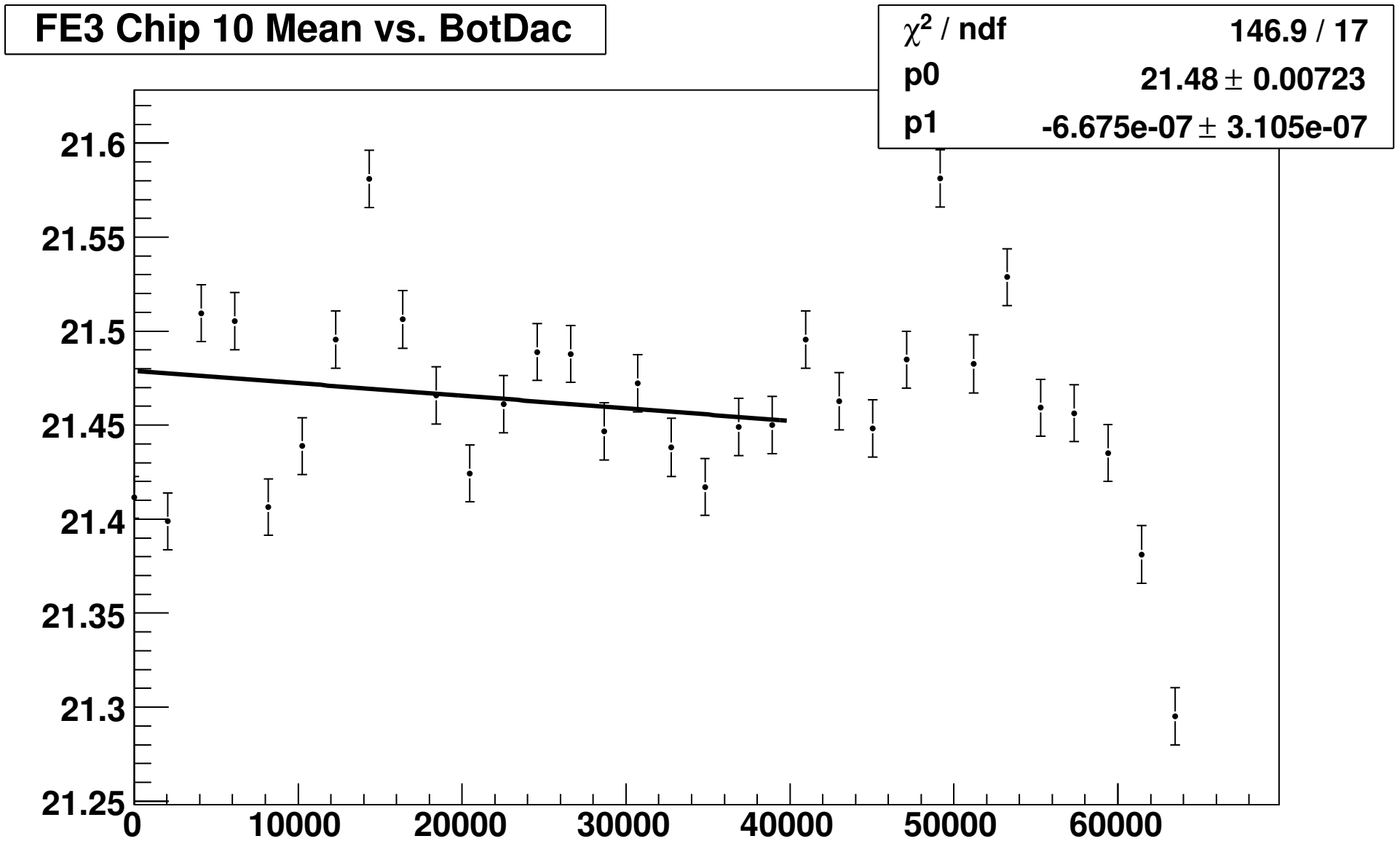

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 387.6 / 17
p0 1.342 ± 0.004024
p1 3.518e-05 ± 2.882e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

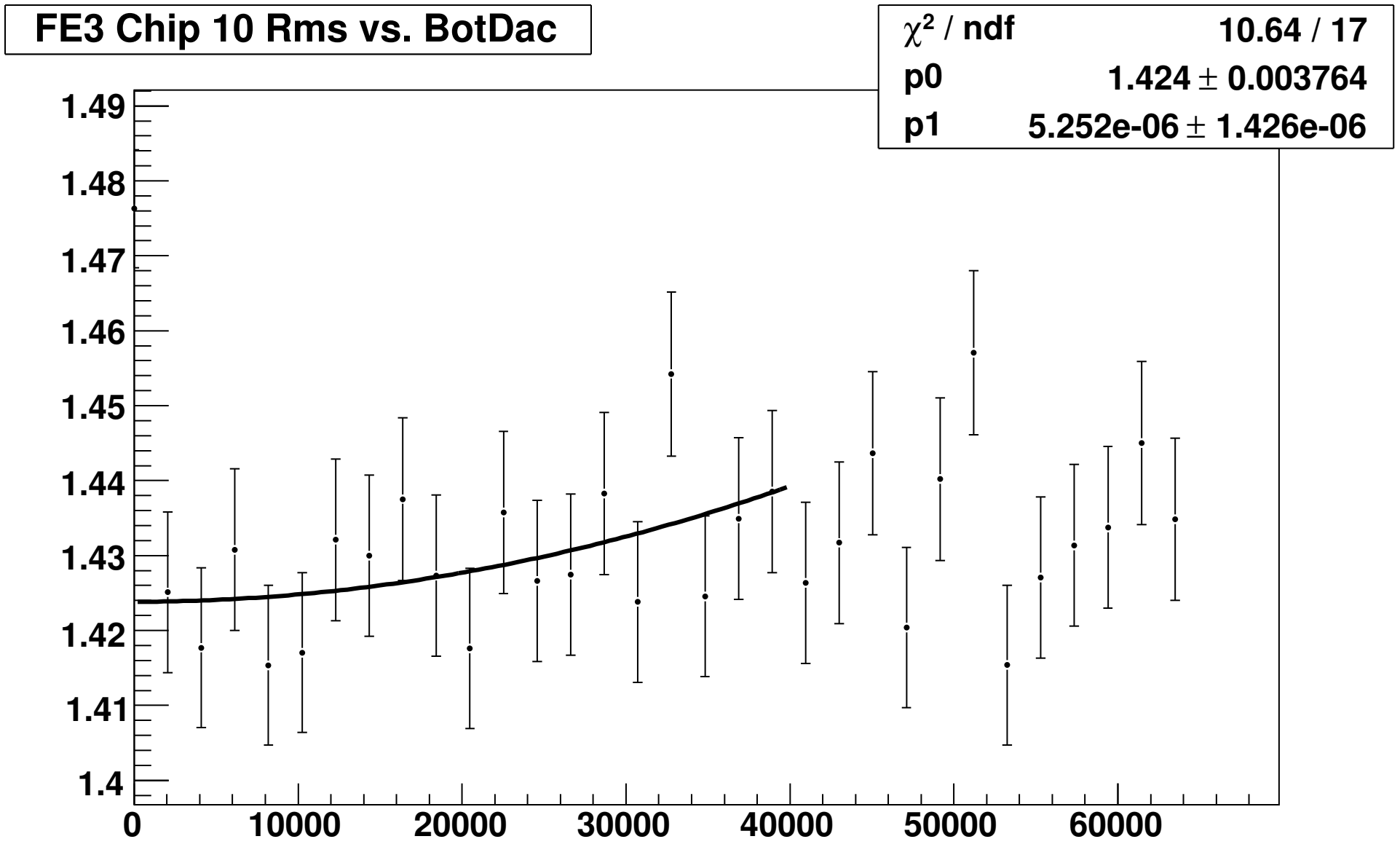

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 138.2 / 17
p0 27.49 ± 0.007961
p1 -1.11e-06 ± 3.422e-07
27.6
27.55
27.5
27.45
27.4
27.35
27.3
27.25
0
10000
20000
30000
40000
50000
60000

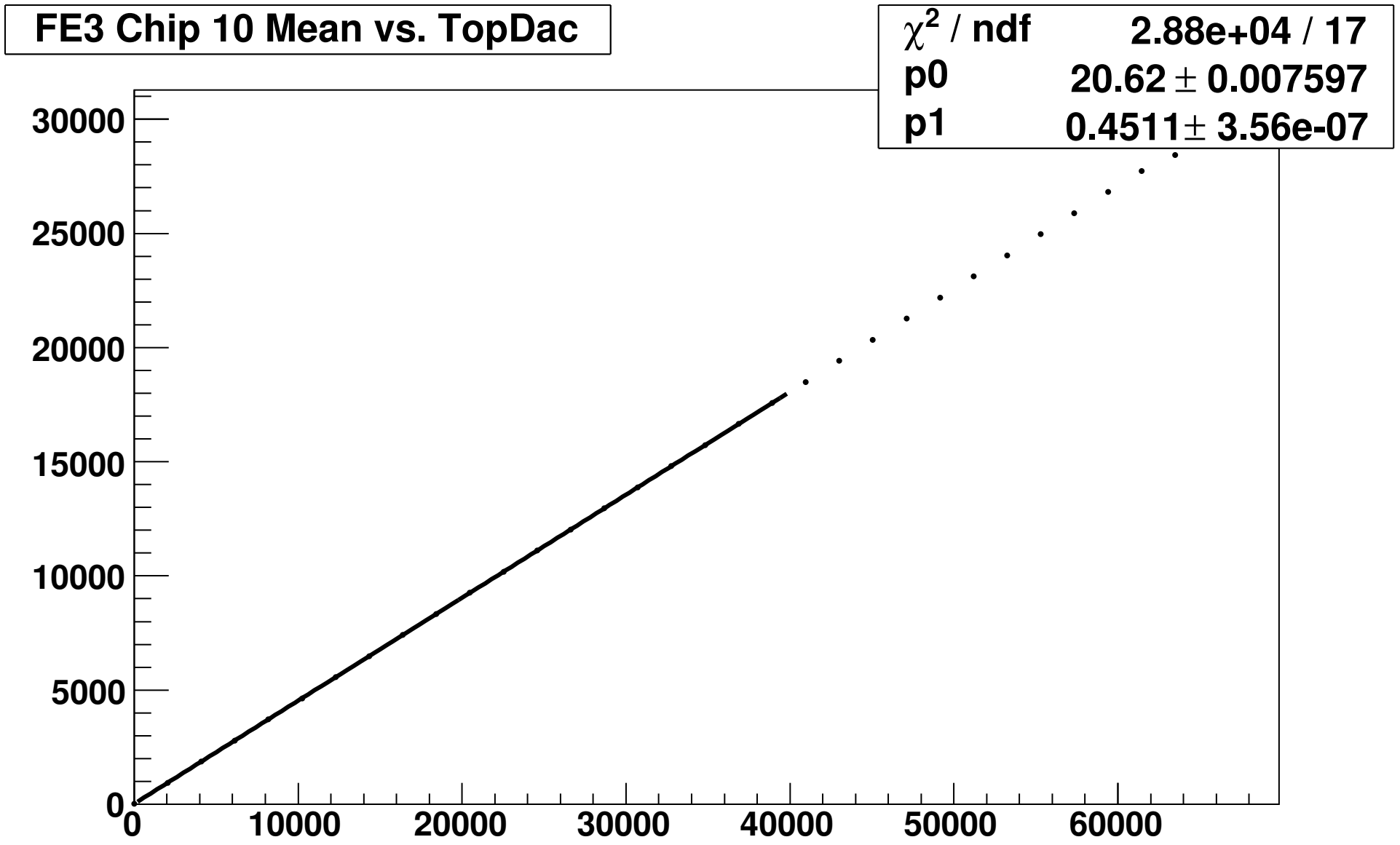

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 17.14 / 17
p0 1.57 ± 0.004153
p1 6.679e-06 ± 1.367e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 2.677e+04 / 17
p0 26.76 ± 0.007974
p1 0.4513 ± 3.733e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 360.5 / 17
p0 1.458 ± 0.0043
p1 3.507e-05 ± 3.232e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 146.9 / 17
p0 21.48 ± 0.00723
p1 -6.675e-07 ± 3.105e-07
21.6
21.55
21.5
21.45
21.4
21.35
21.3
21.25
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 10.64 / 17
p0 1.424 ± 0.003764
p1 5.252e-06 ± 1.426e-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


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.88e+04 / 17
p0 20.62 ± 0.007597
p1 0.4511 ± 3.56e-07
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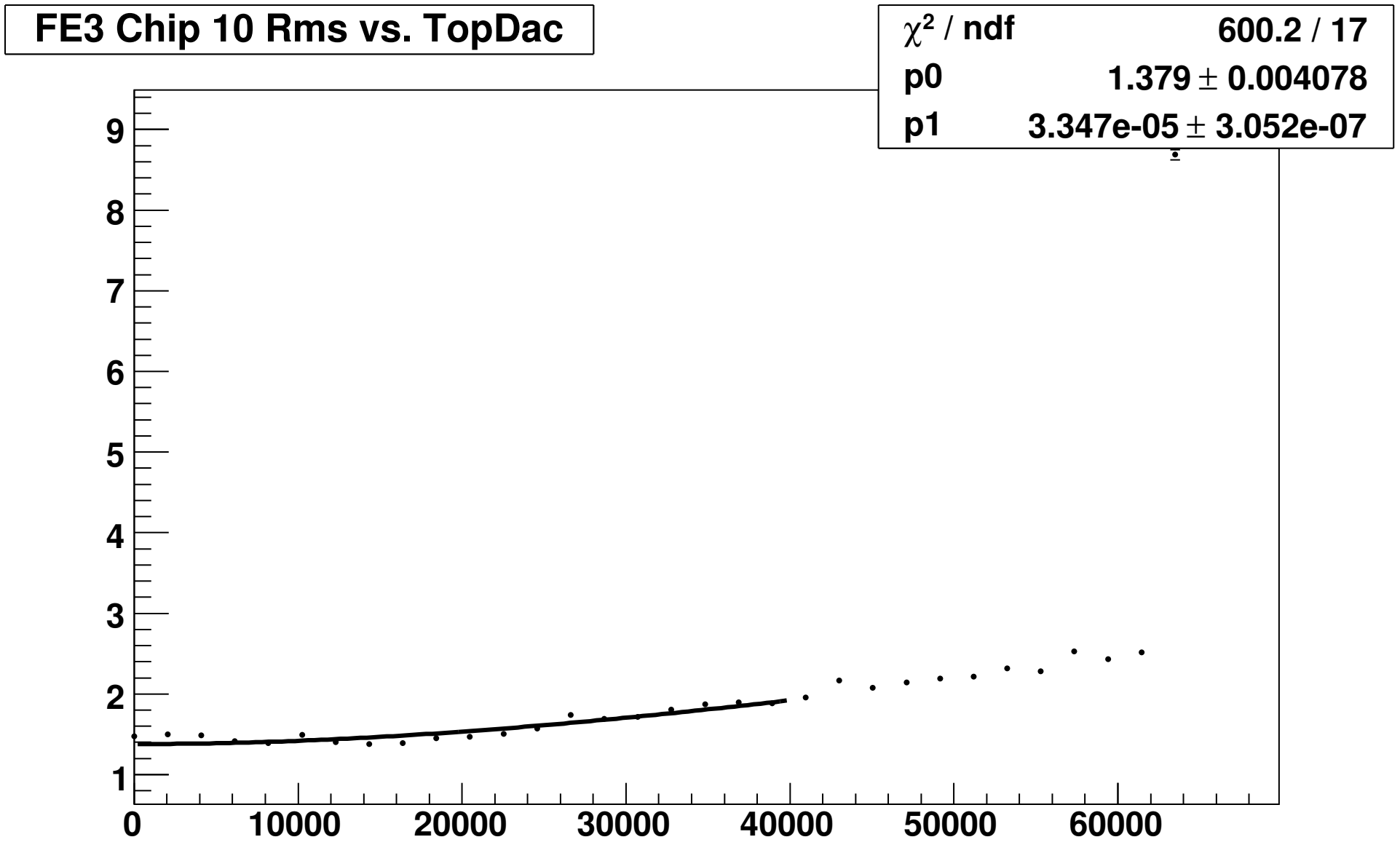
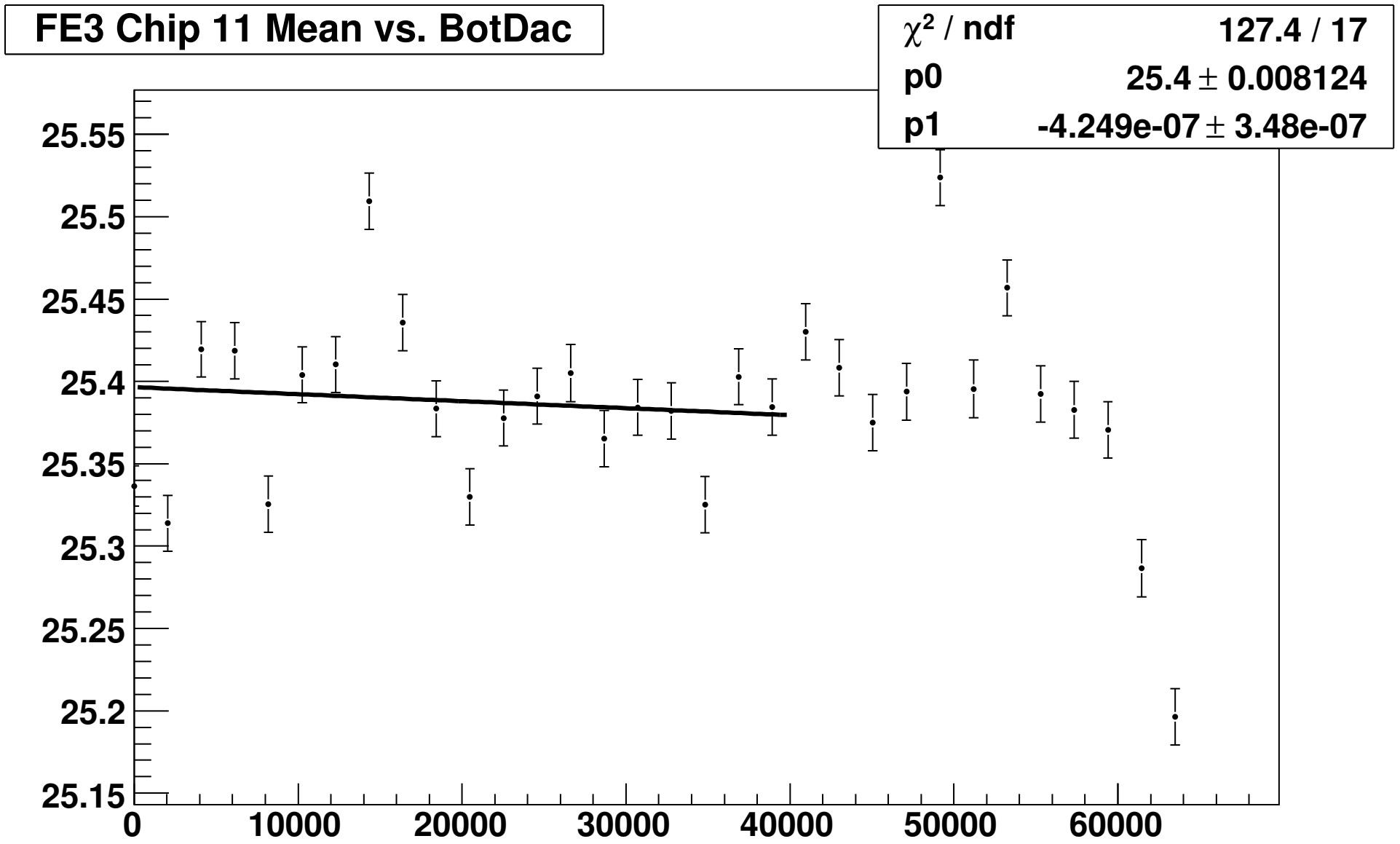
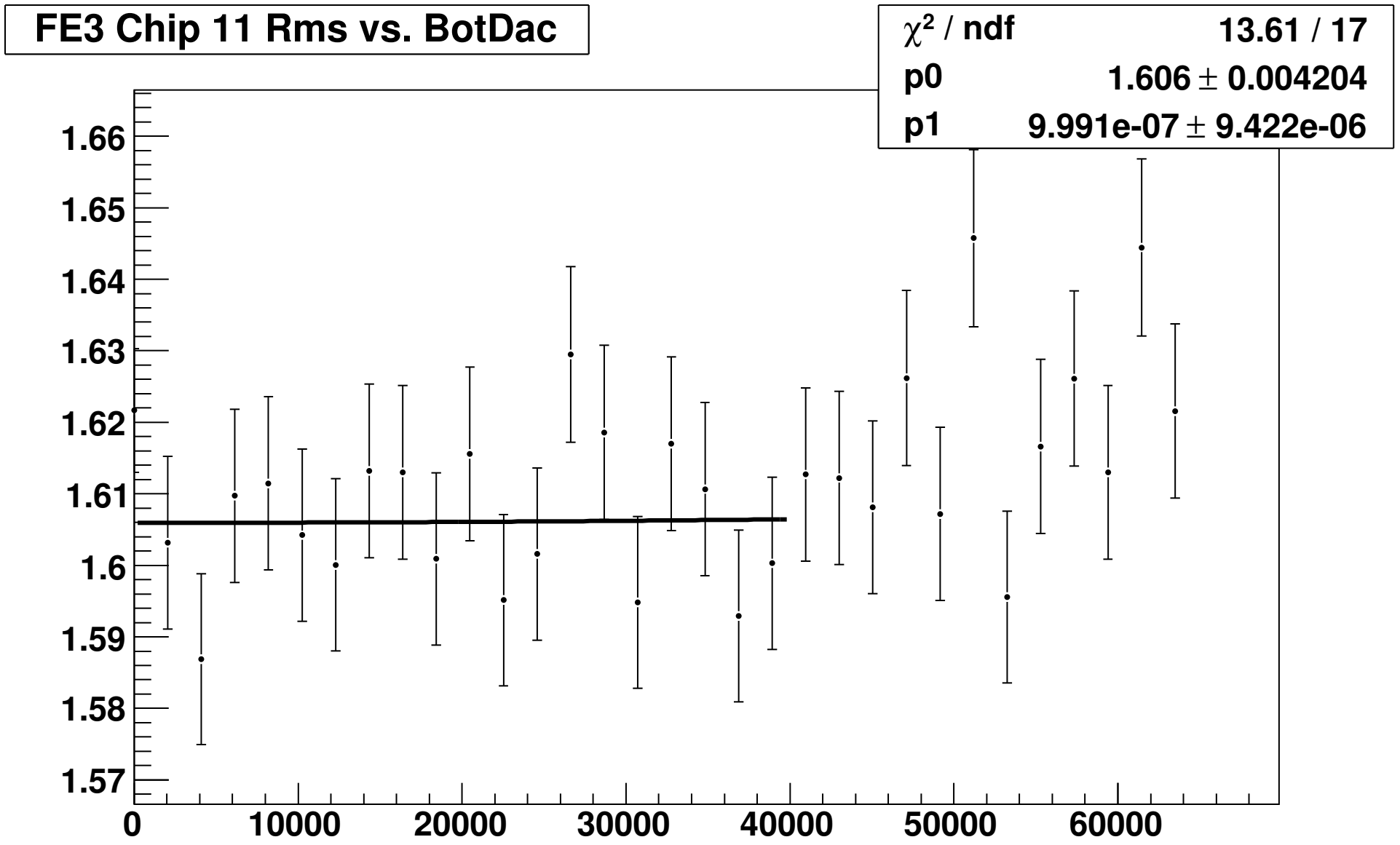
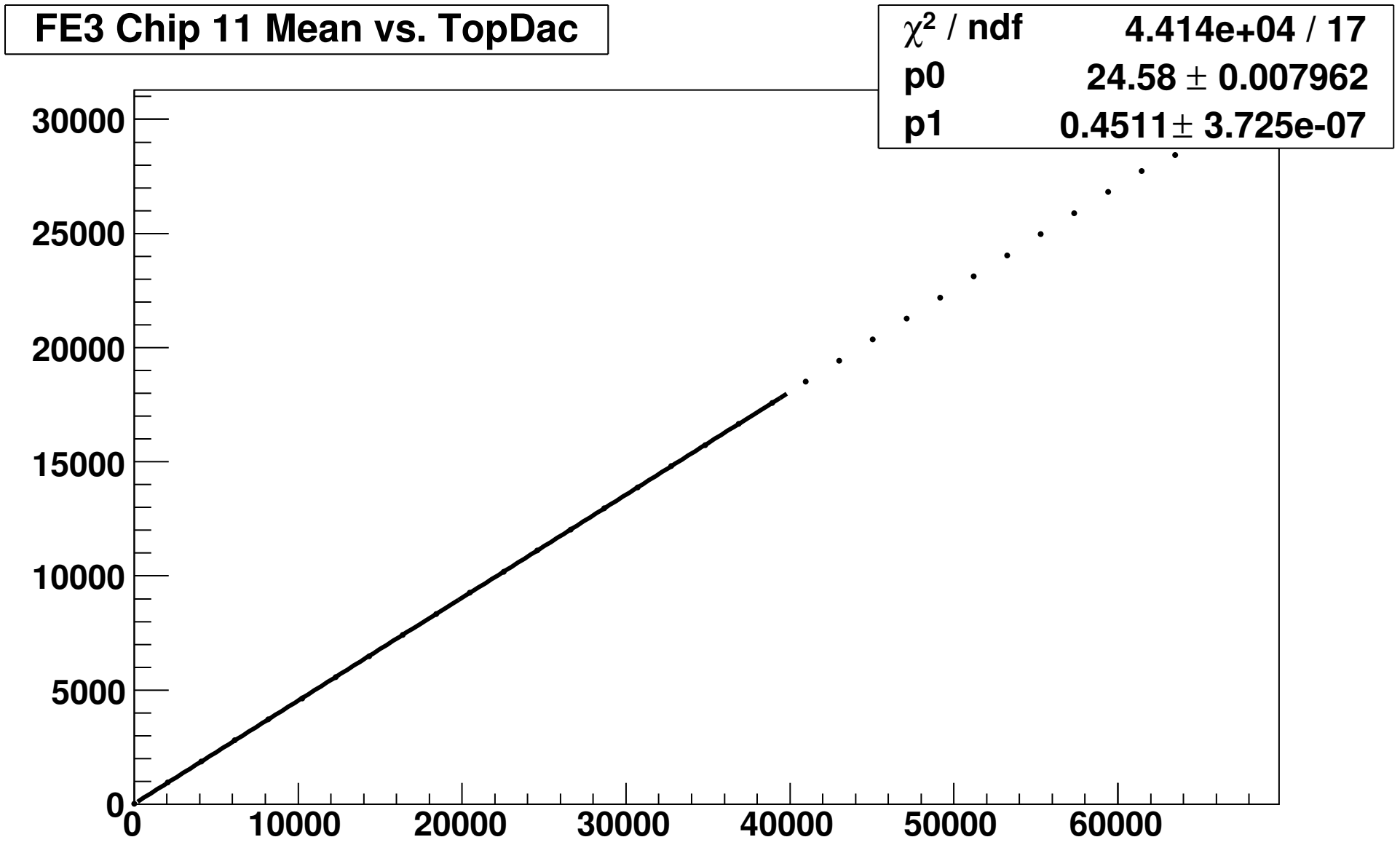
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 600.2 / 17
p0 1.379 ± 0.004078
p1 3.347e-05 ± 3.052e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 127.4 / 17
p0 25.4 ± 0.008124
p1 -4.249e-07 ± 3.48e-07
25.55
25.5
25.45
25.4
25.35
25.3
25.25
25.2
25.15
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 13.61 / 17
p0 1.606 ± 0.004204
p1 9.991e-07 ± 9.422e-06
1.66
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 4.414e+04 / 17
p0 24.58 ± 0.007962
p1 0.4511± 3.725e-07
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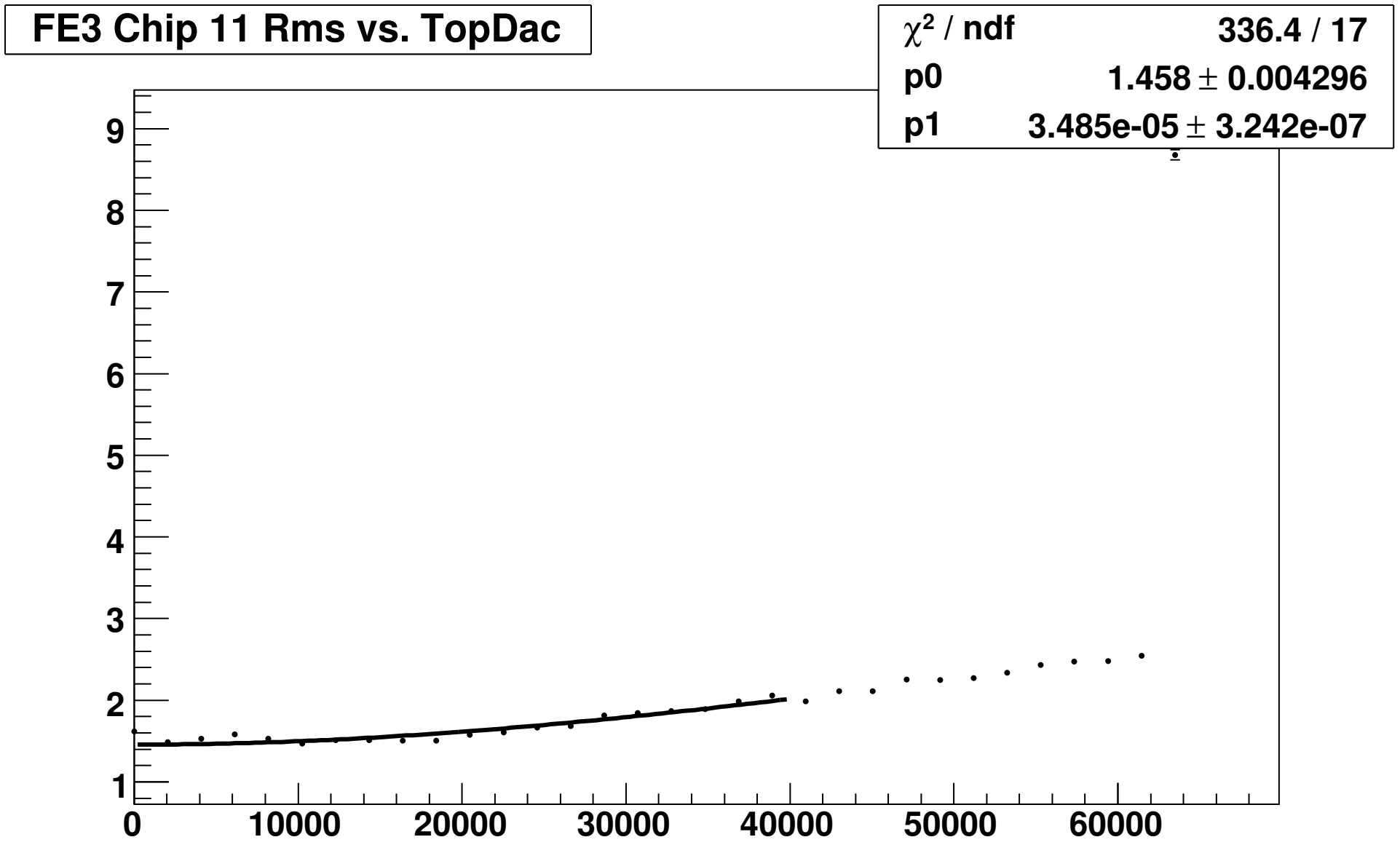
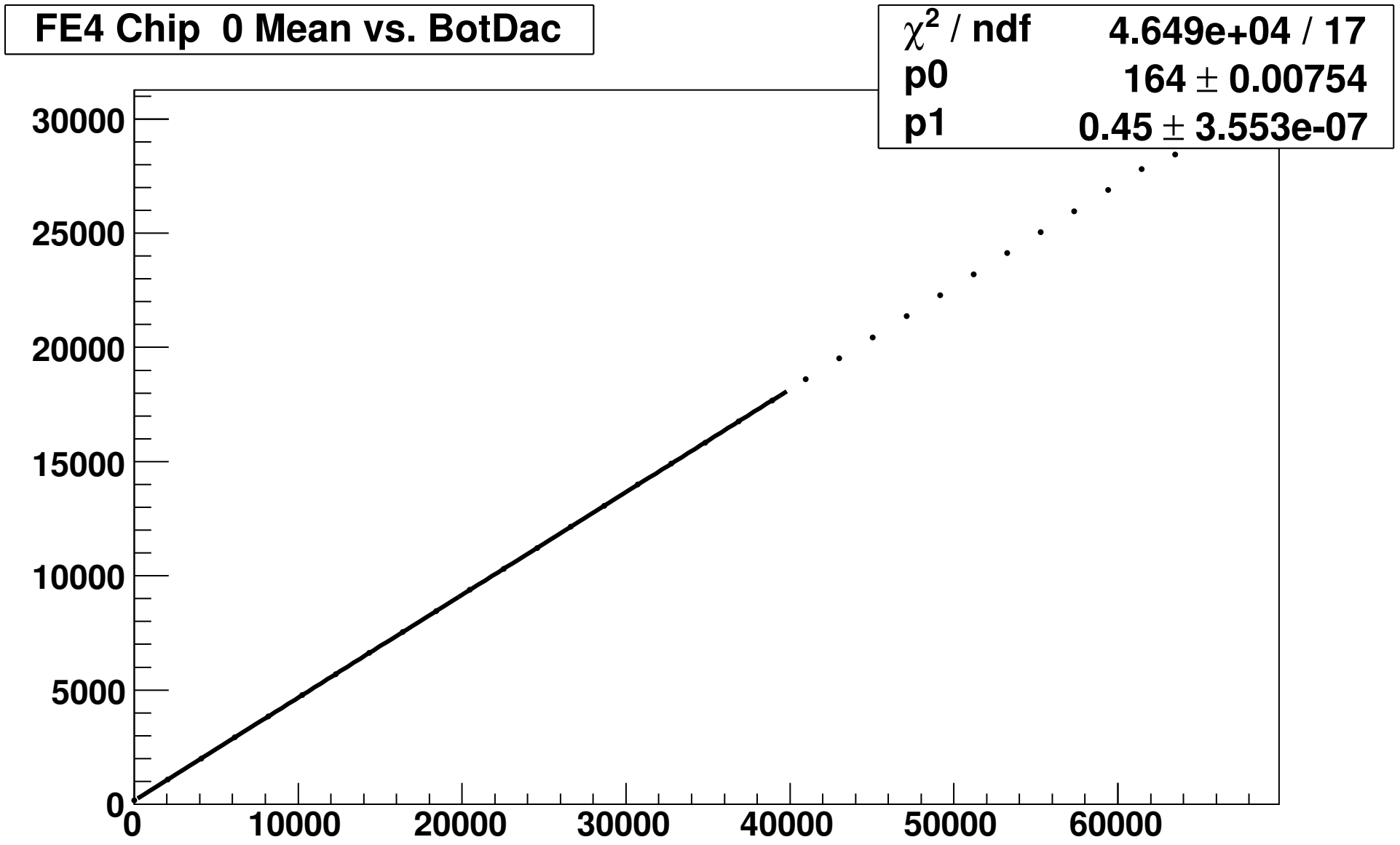
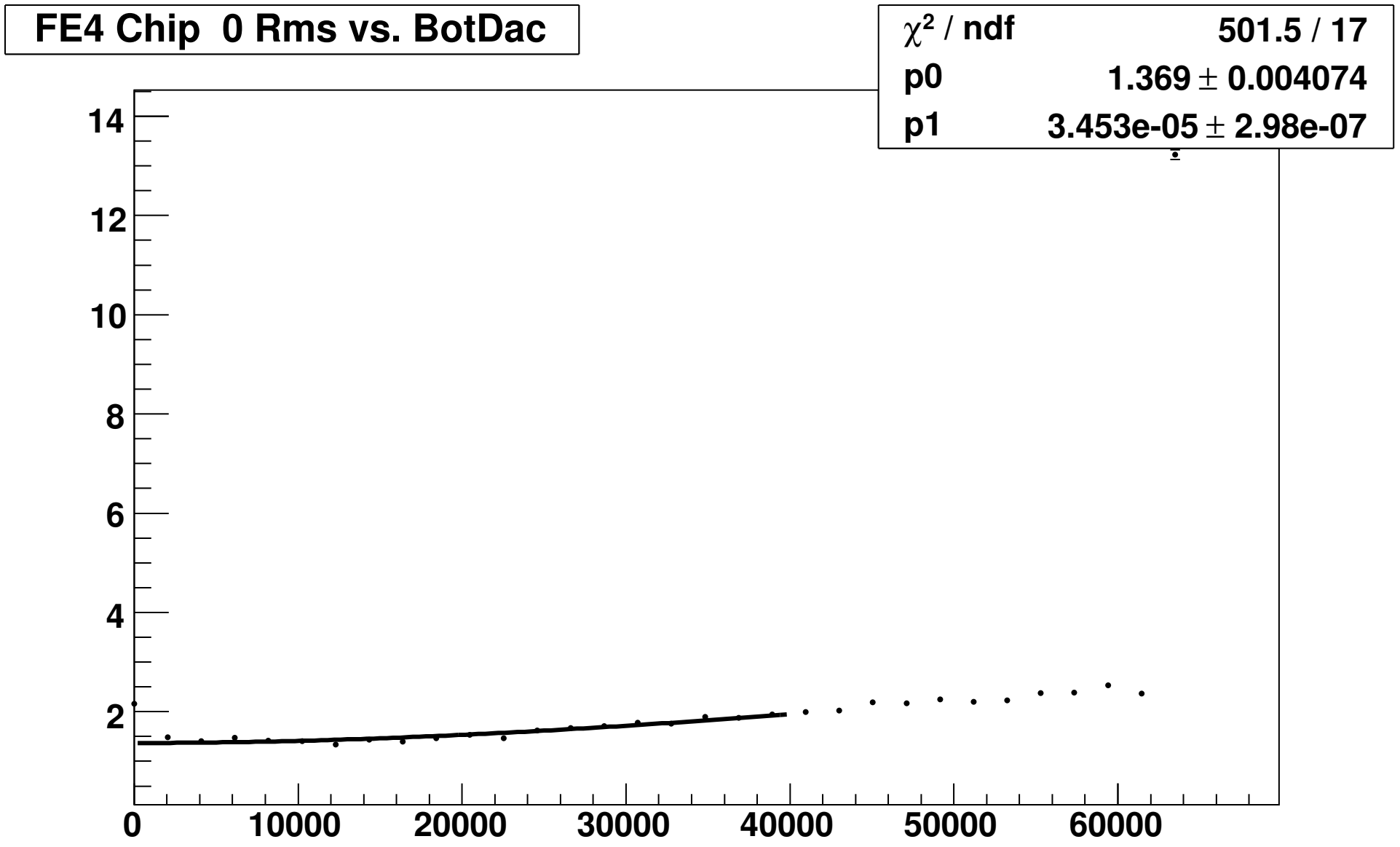
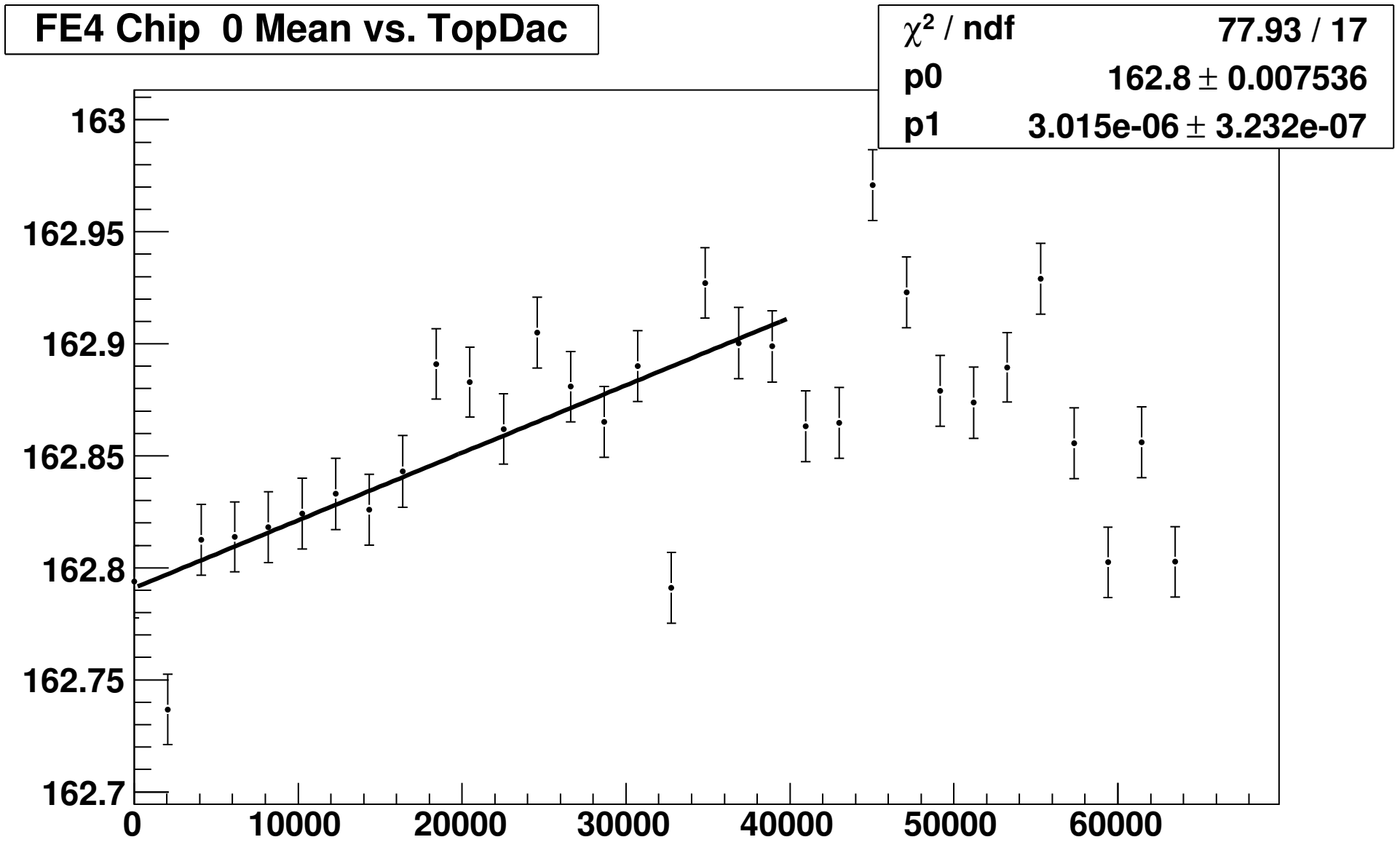
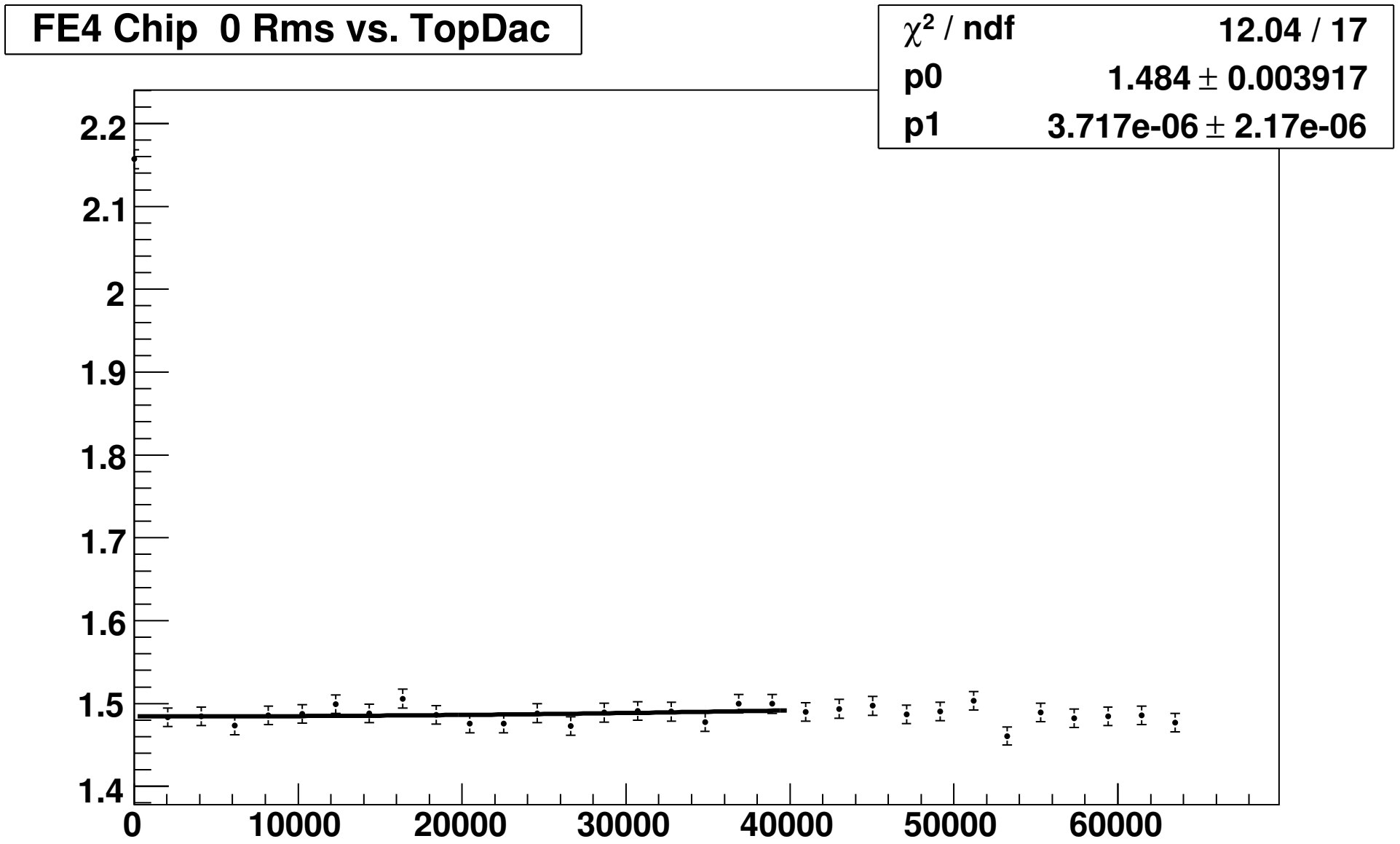
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

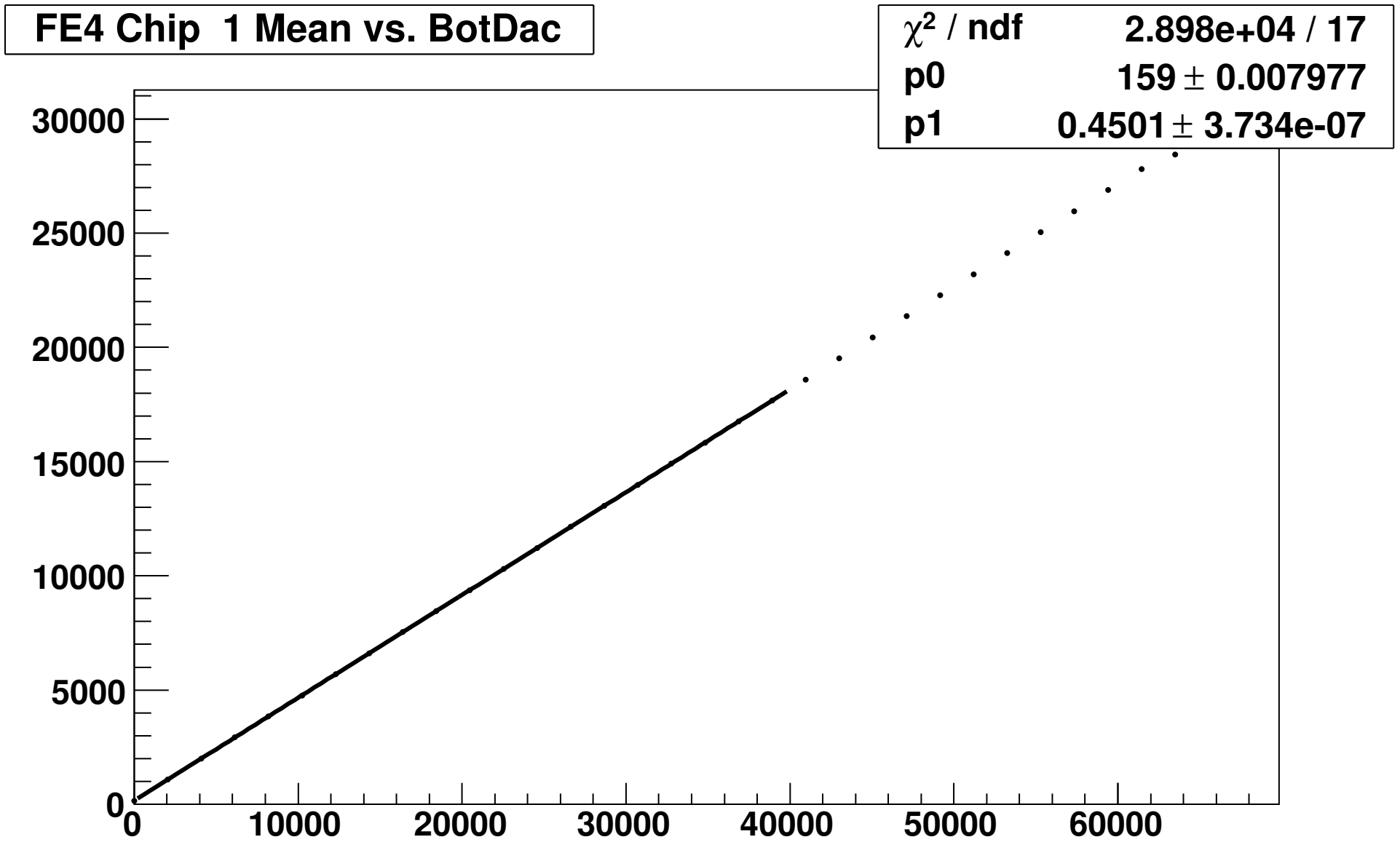

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 336.4 / 17
p0 1.458 ± 0.004296
p1 3.485e-05 ± 3.242e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

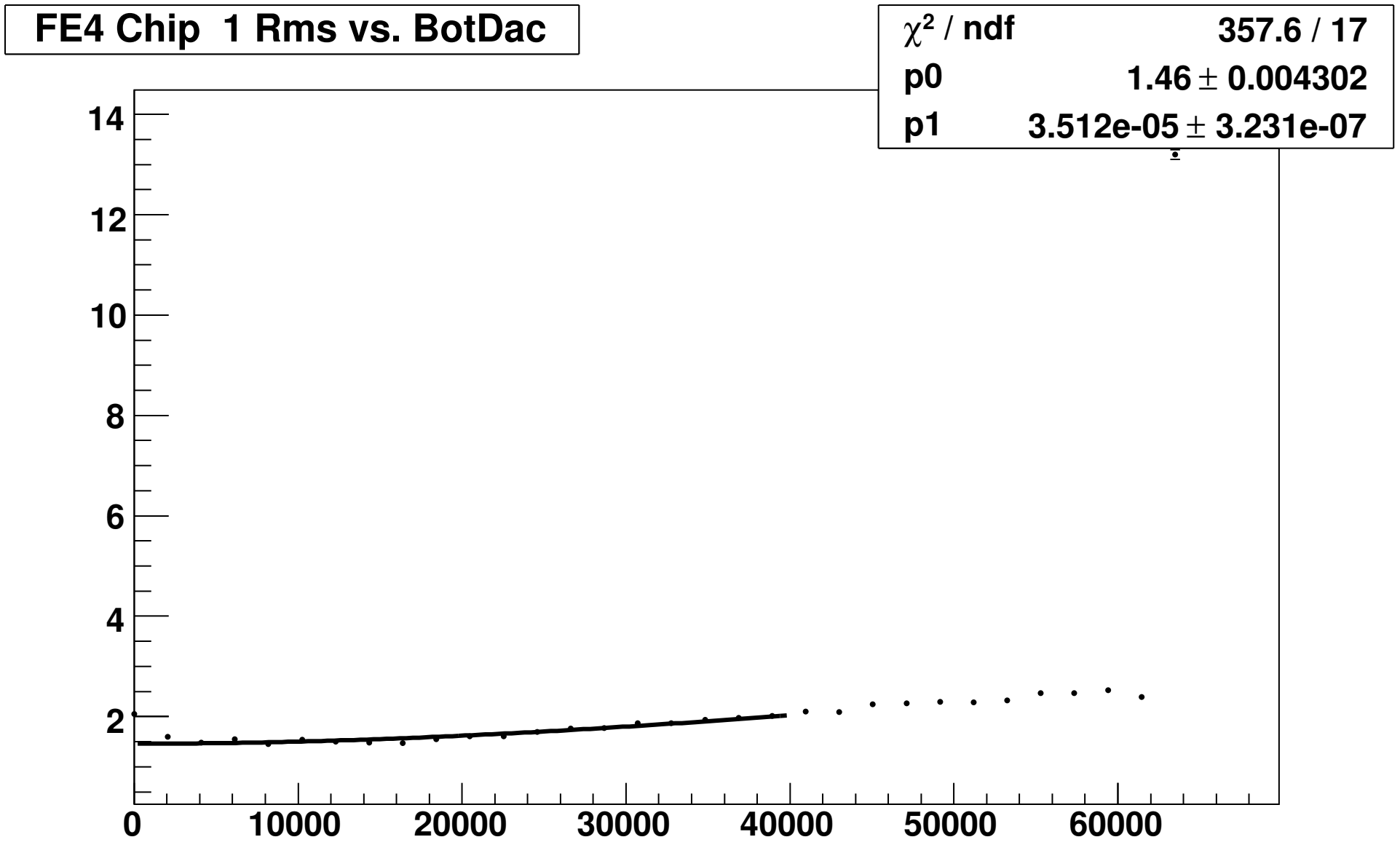

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 4.649e+04 / 17
p0 164 ± 0.00754
p1 0.45 ± 3.553e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

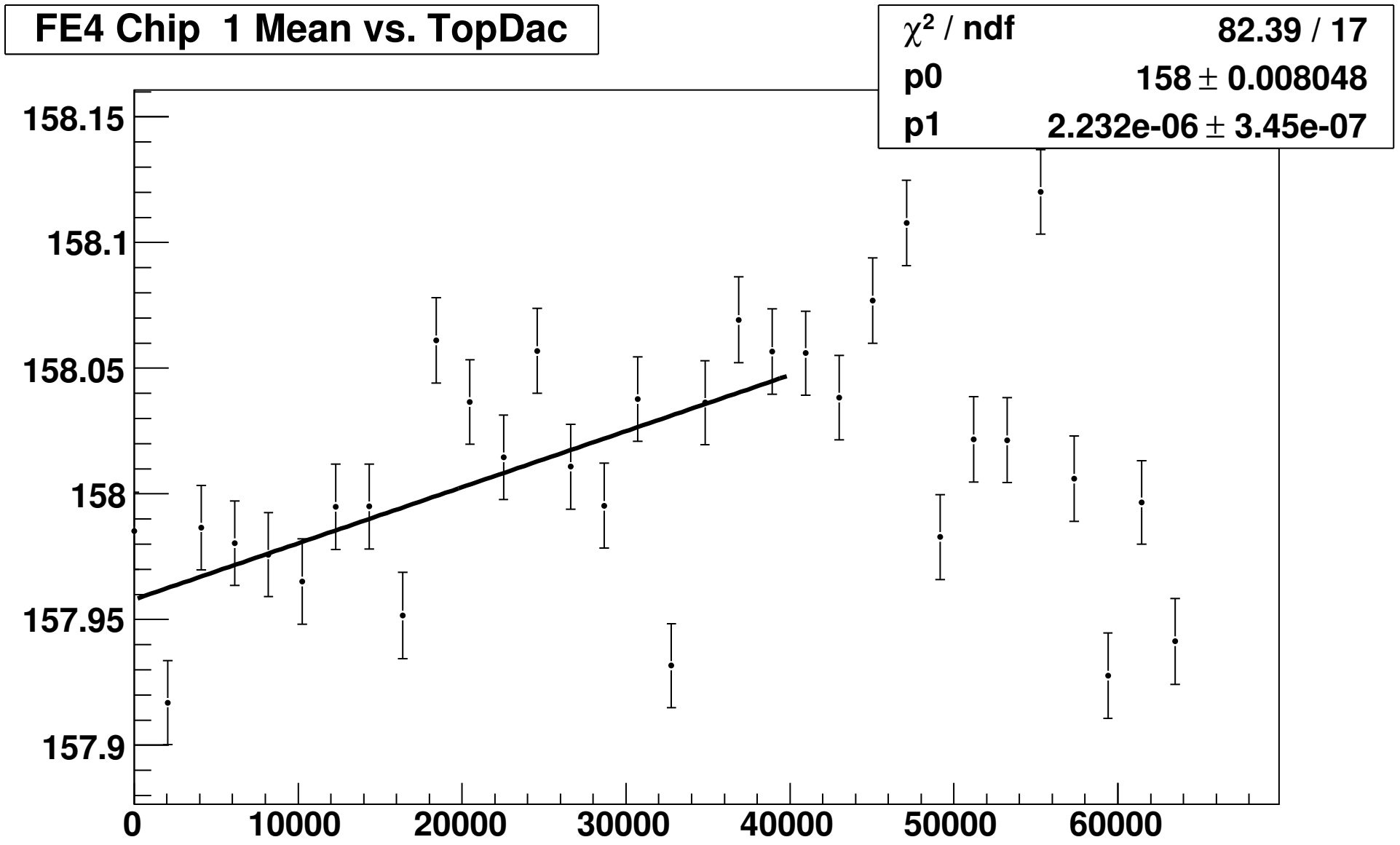

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 501.5 / 17
p0 1.369 ± 0.004074
p1 3.453e-05 ± 2.98e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

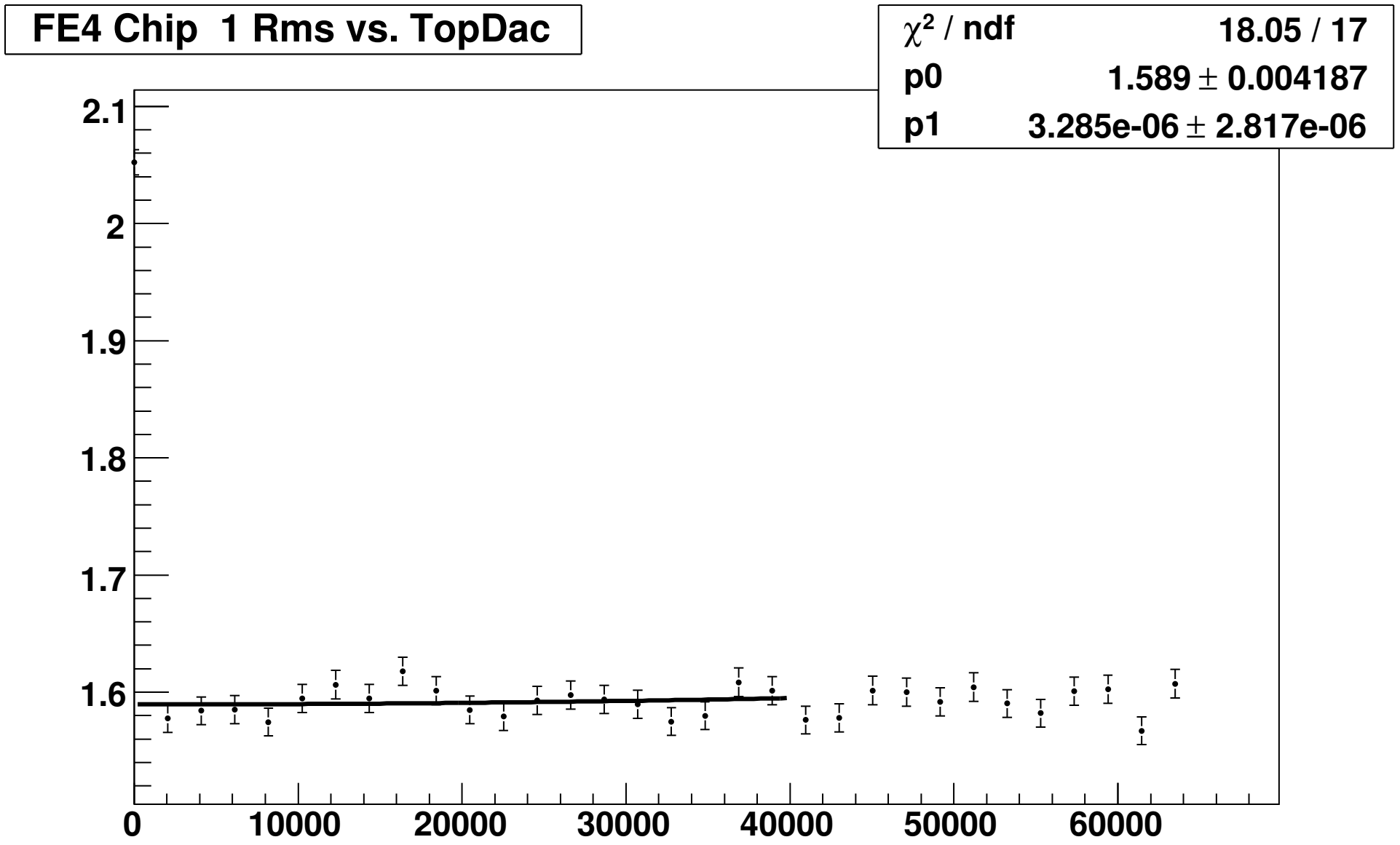

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 77.93 / 17
p0 162.8 ± 0.007536
p1 3.015e-06 ± 3.232e-07
163
162.95
162.9
162.85
162.8
162.75
162.7
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 12.04 / 17
p0 1.484 ± 0.003917
p1 3.717e-06 ± 2.17e-06
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.898e+04 / 17
p0 159 ± 0.007977
p1 0.4501 ± 3.734e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 357.6 / 17
p0 1.46 ± 0.004302
p1 3.512e-05 ± 3.231e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 82.39 / 17
p0 158 ± 0.008048
p1 2.232e-06 ± 3.45e-07
158.15
158.1
158.05
158
157.95
157.9
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 18.05 / 17
p0 1.589 ± 0.004187
p1 3.285e-06 ± 2.817e-06
2.1
2
1.9
1.8
1.7
1.6
0
10000
20000
30000
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50000
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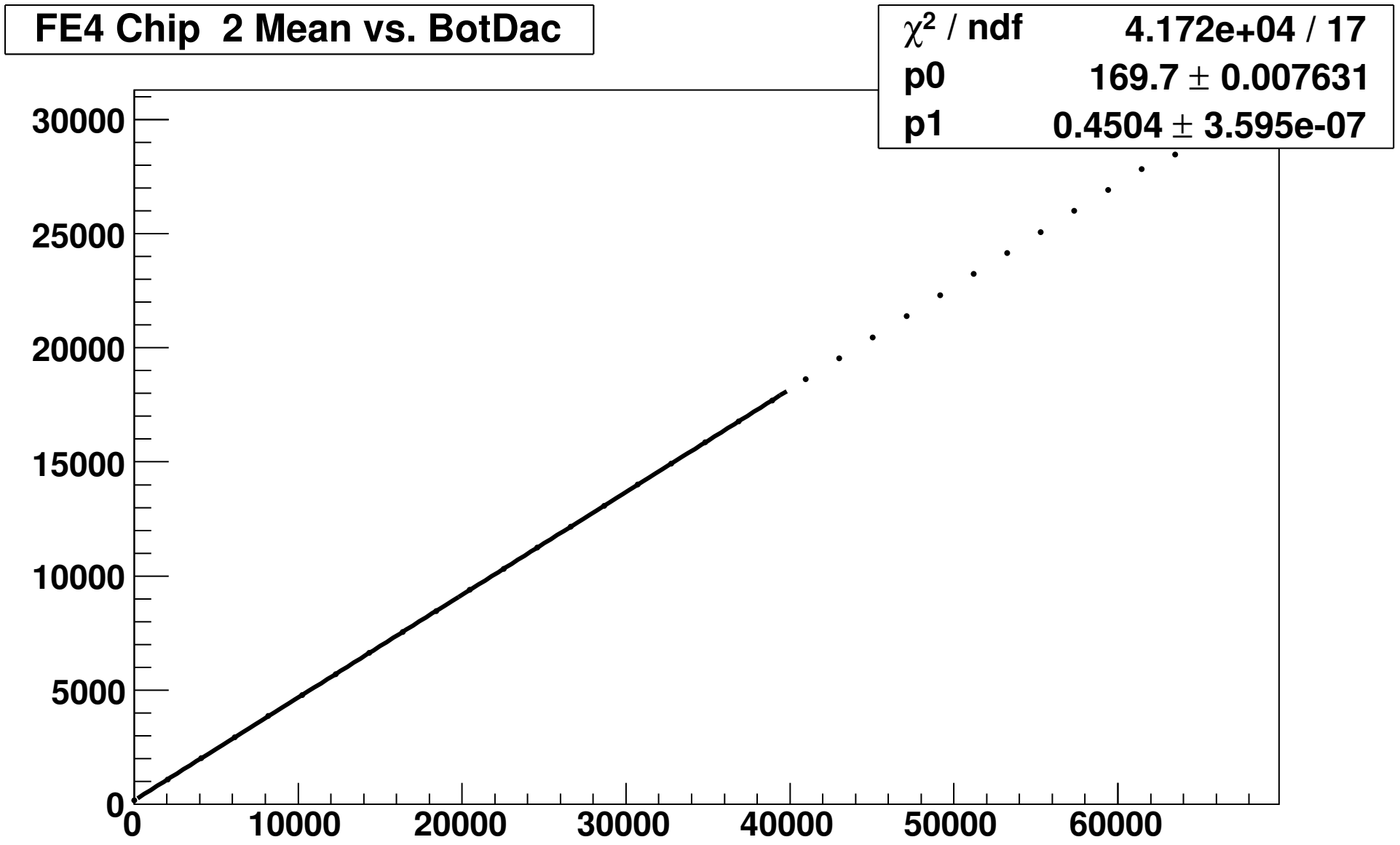
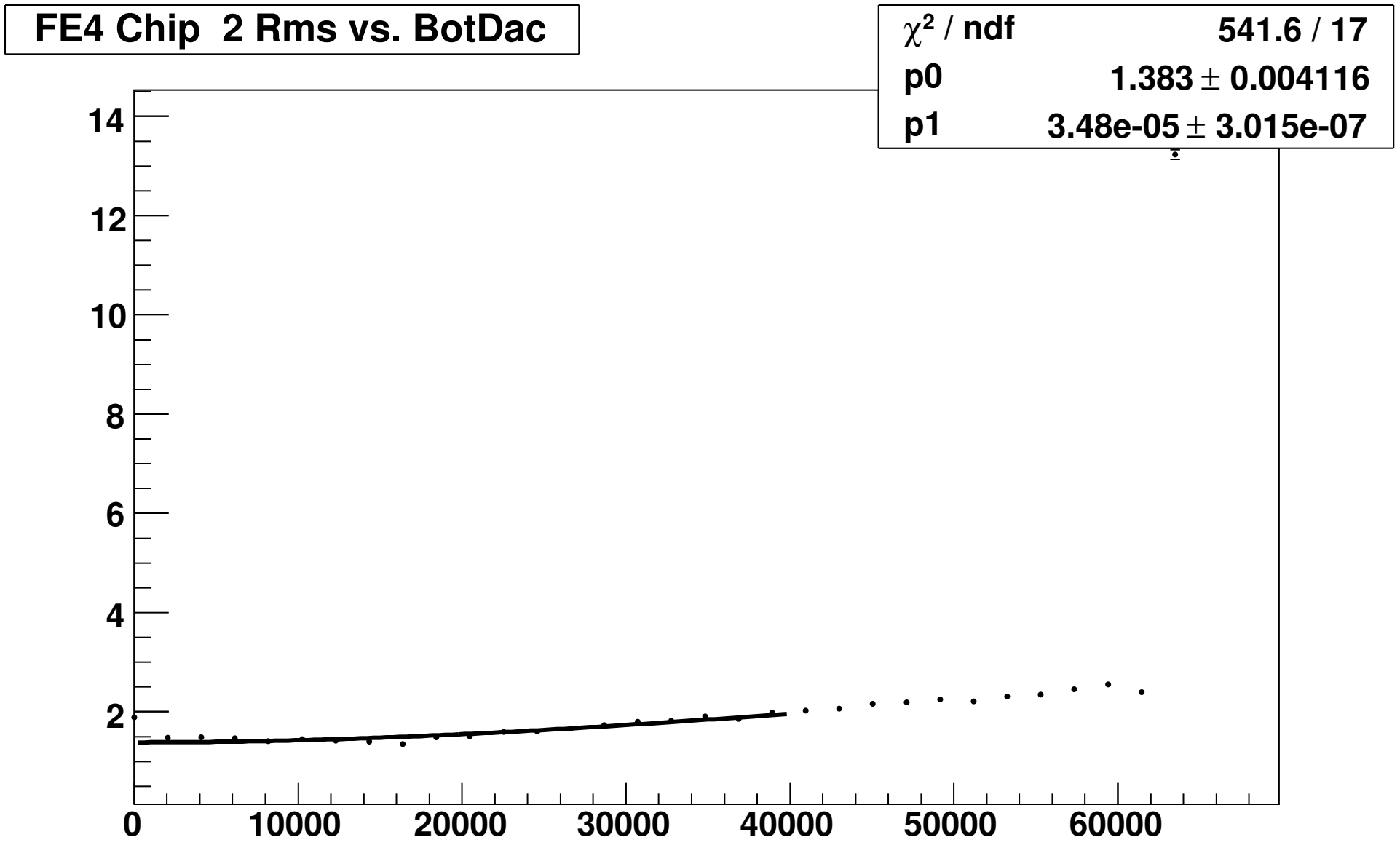

FE4 Chip 2 Mean vs. BotDac
χ² / ndf 4.172e+04 / 17
p0 169.7 ± 0.007631
p1 0.4504 ± 3.595e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 541.6 / 17
p0 1.383 ± 0.004116
p1 3.48e-05 ± 3.015e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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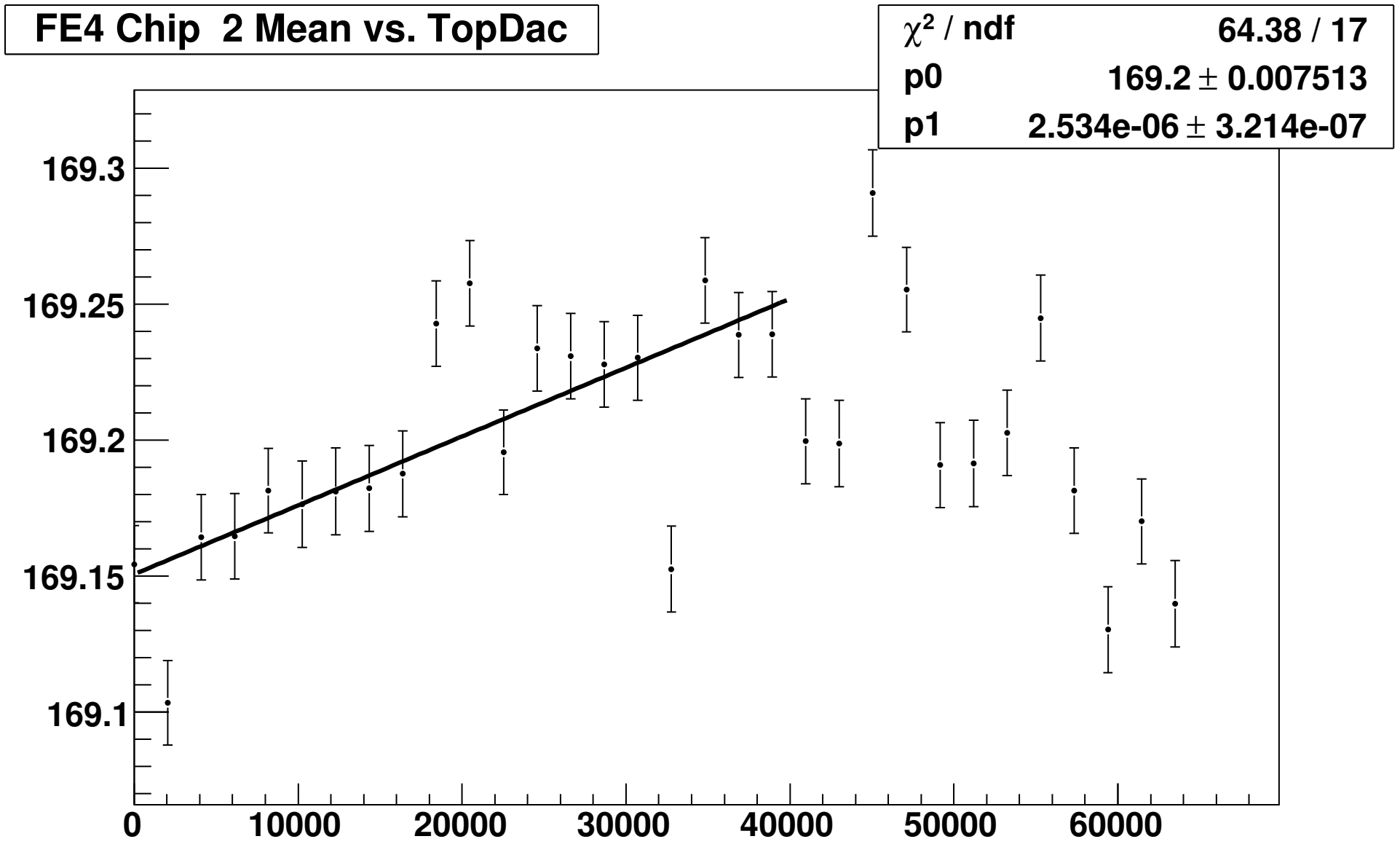
50000
60000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 64.38 / 17
p0 169.2 ± 0.007513
p1 2.534e-06 ± 3.214e-07
169.3
169.25
169.2
169.15
169.1
0
10000
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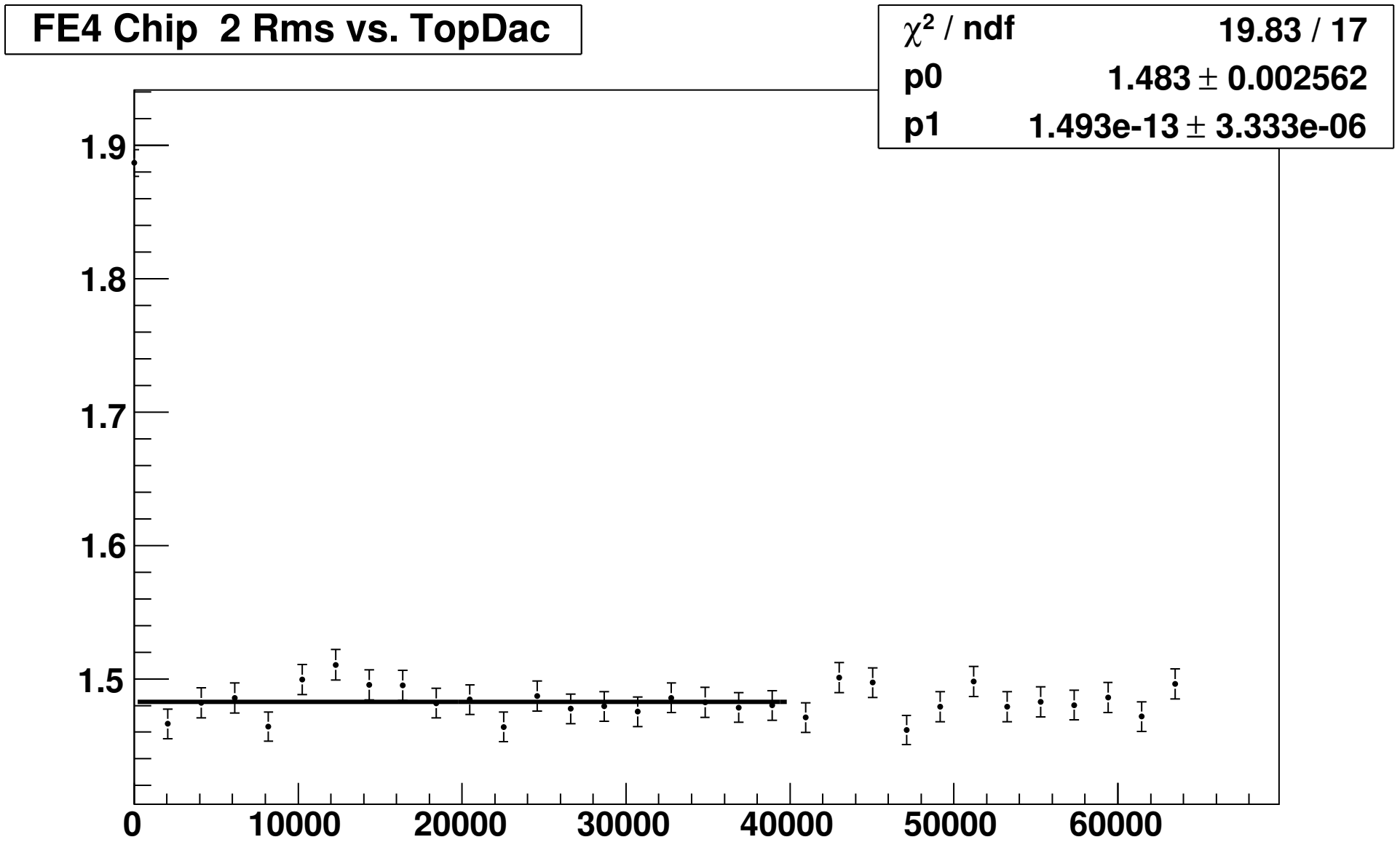
60000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 19.83 / 17
p0 1.483 ± 0.002562
p1 1.493e-13 ± 3.333e-06
1.9
1.8
1.7
1.6
1.5
0
10000
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30000
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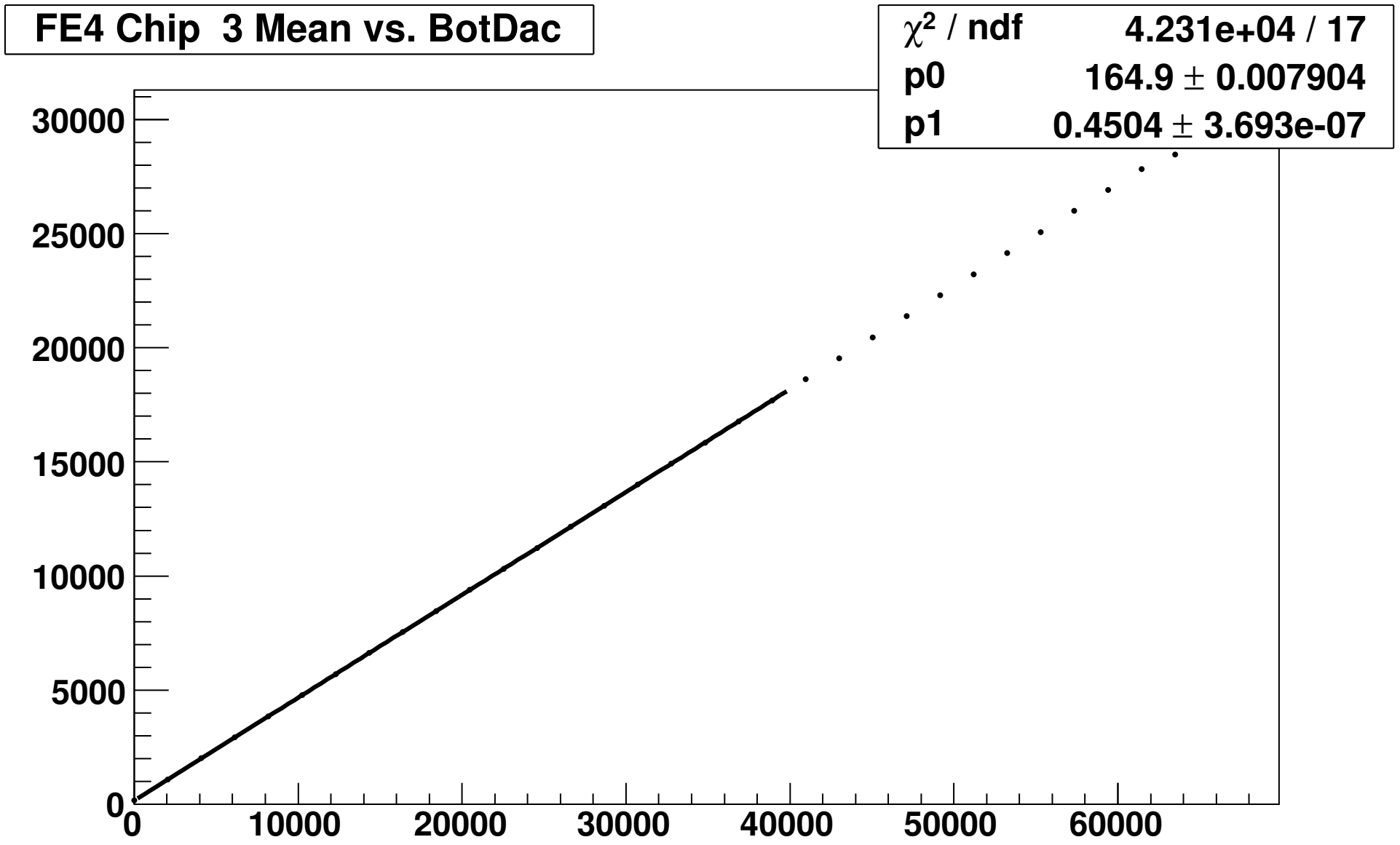
60000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.231e+04 / 17
p0 164.9 ± 0.007904
p1 0.4504 ± 3.693e-07
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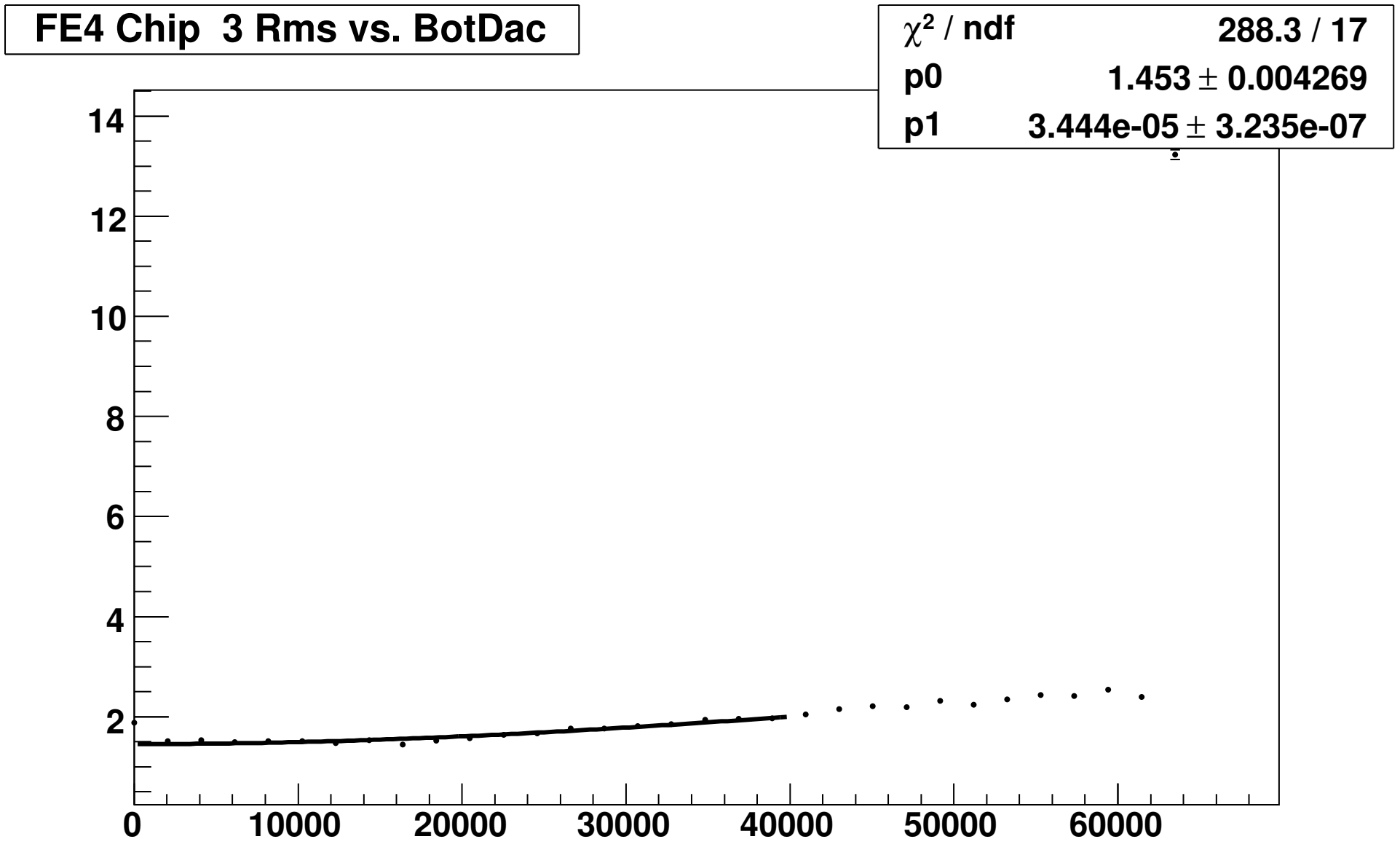
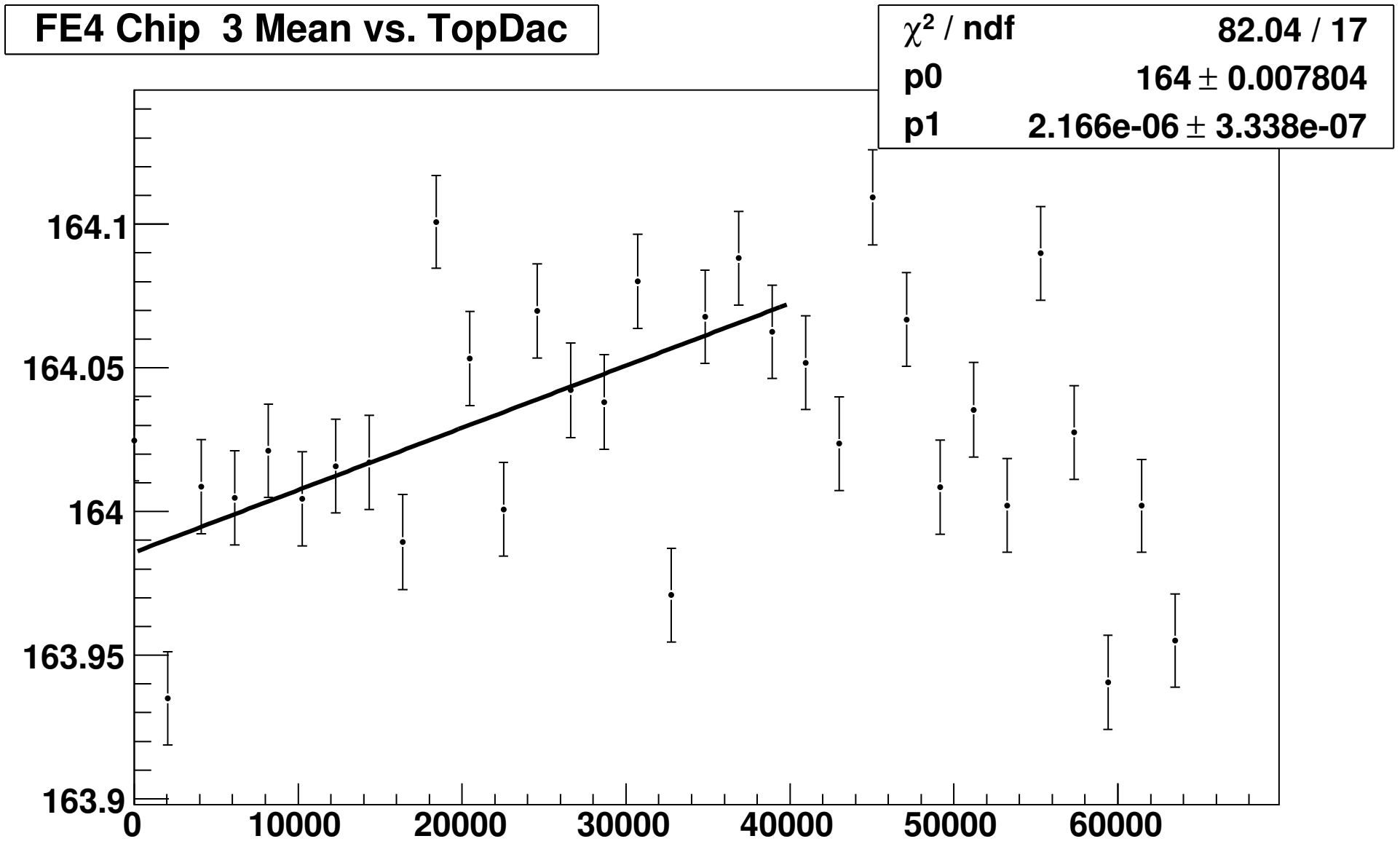
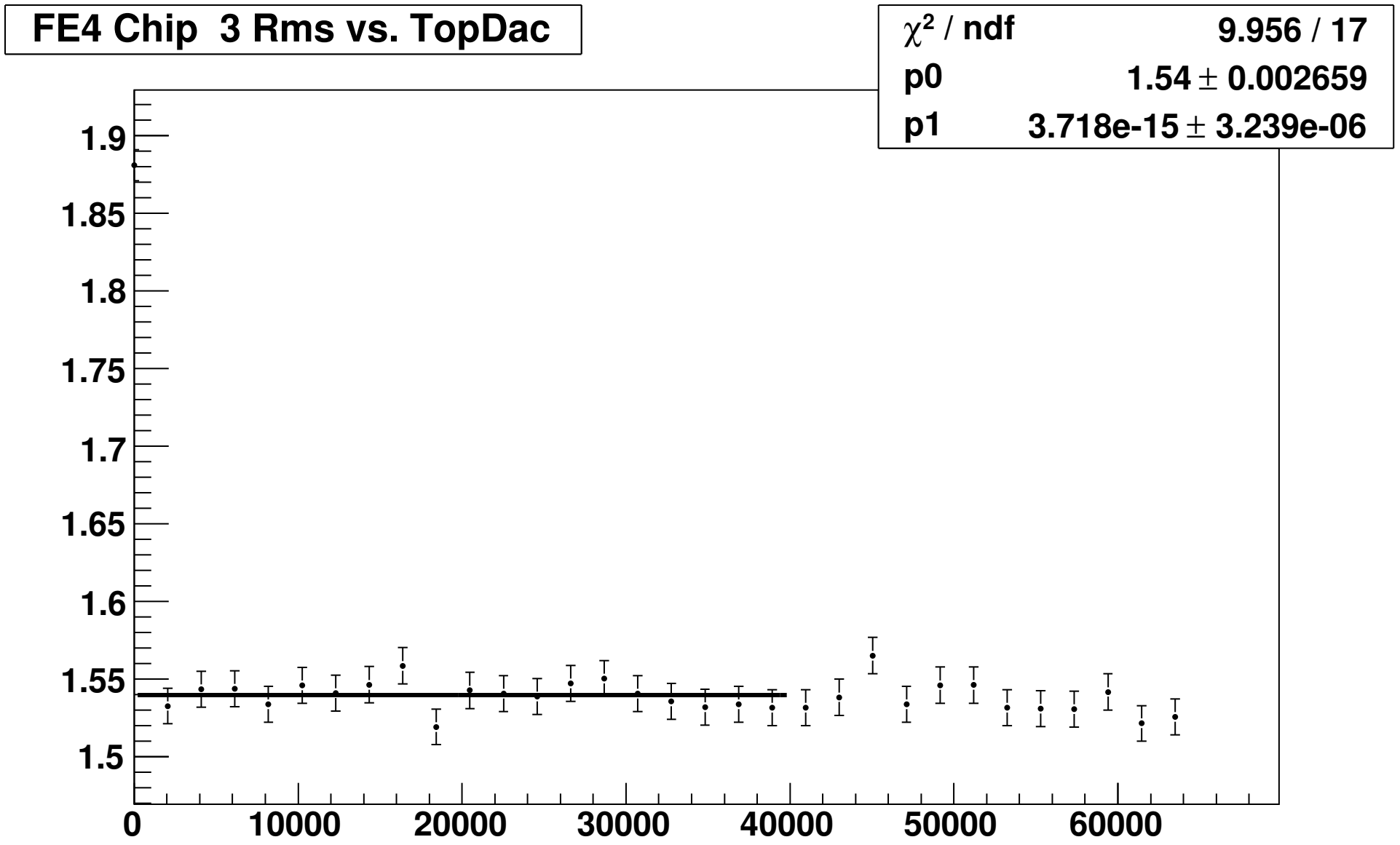
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 288.3 / 17
p0 1.453 ± 0.004269
p1 3.444e-05 ± 3.235e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 82.04 / 17
p0 164 ± 0.007804
p1 2.166e-06 ± 3.338e-07
164.1
164.05
164
163.95
163.9
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 9.956 / 17
p0 1.54 ± 0.002659
p1 3.718e-15 ± 3.239e-06
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
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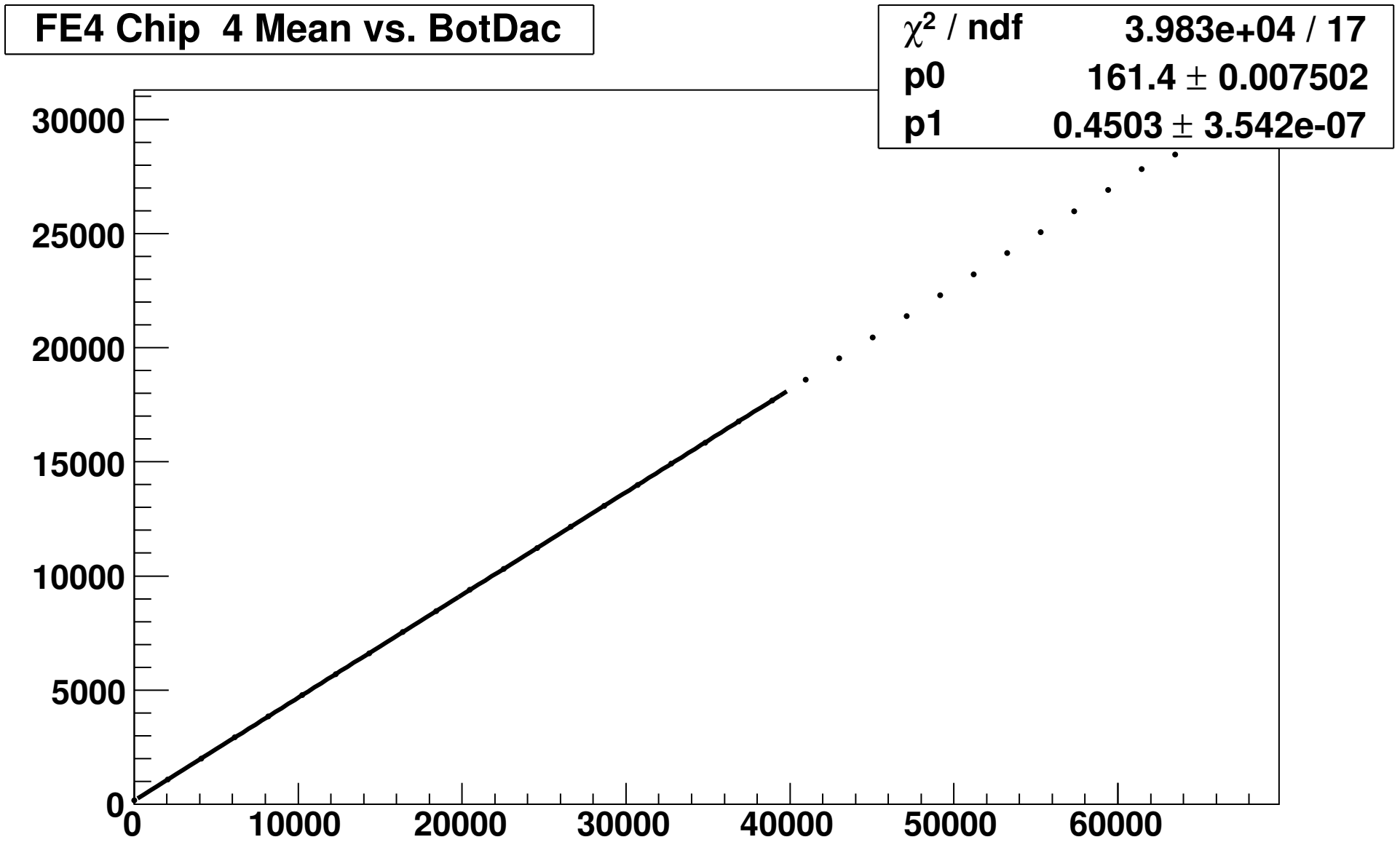
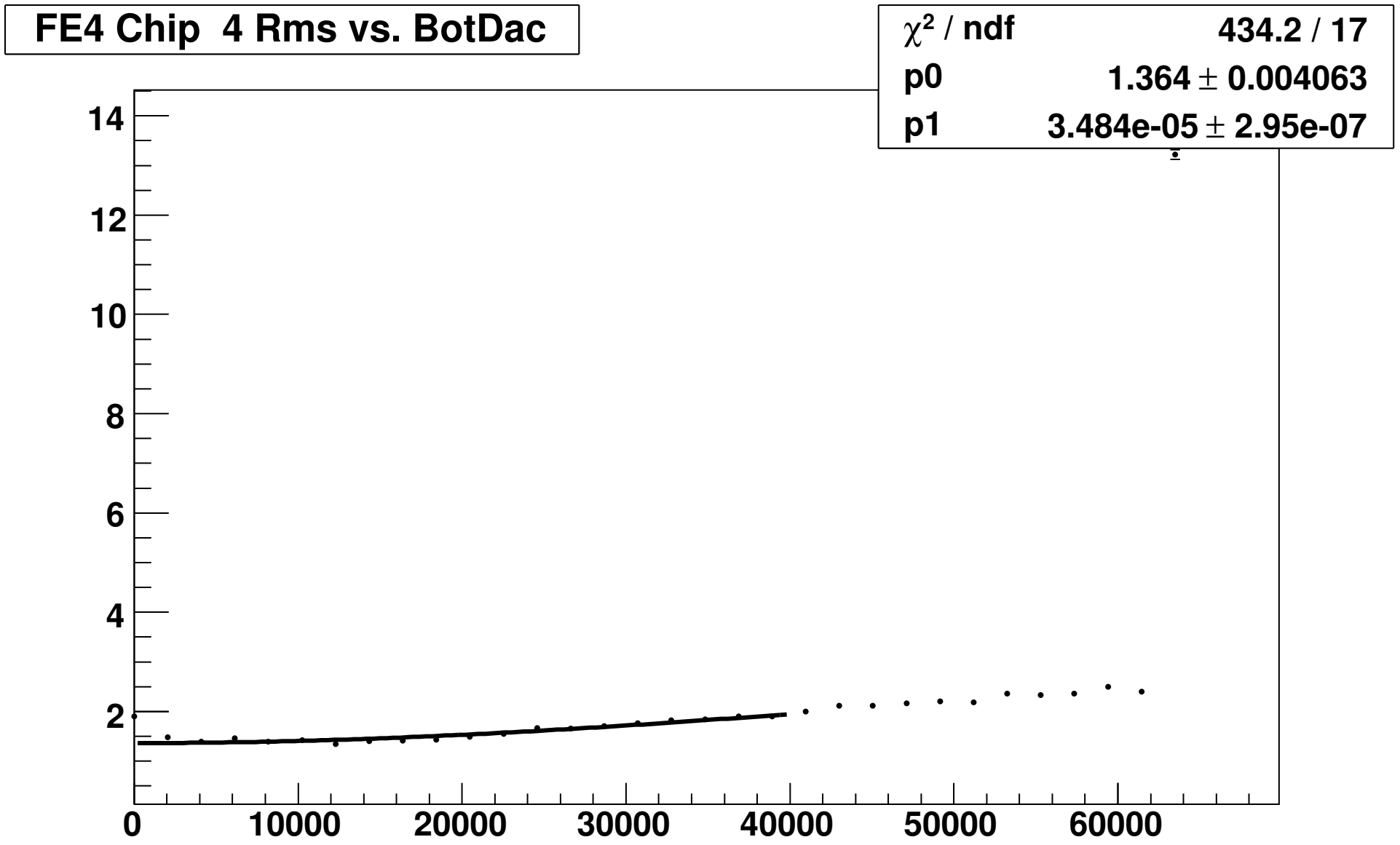
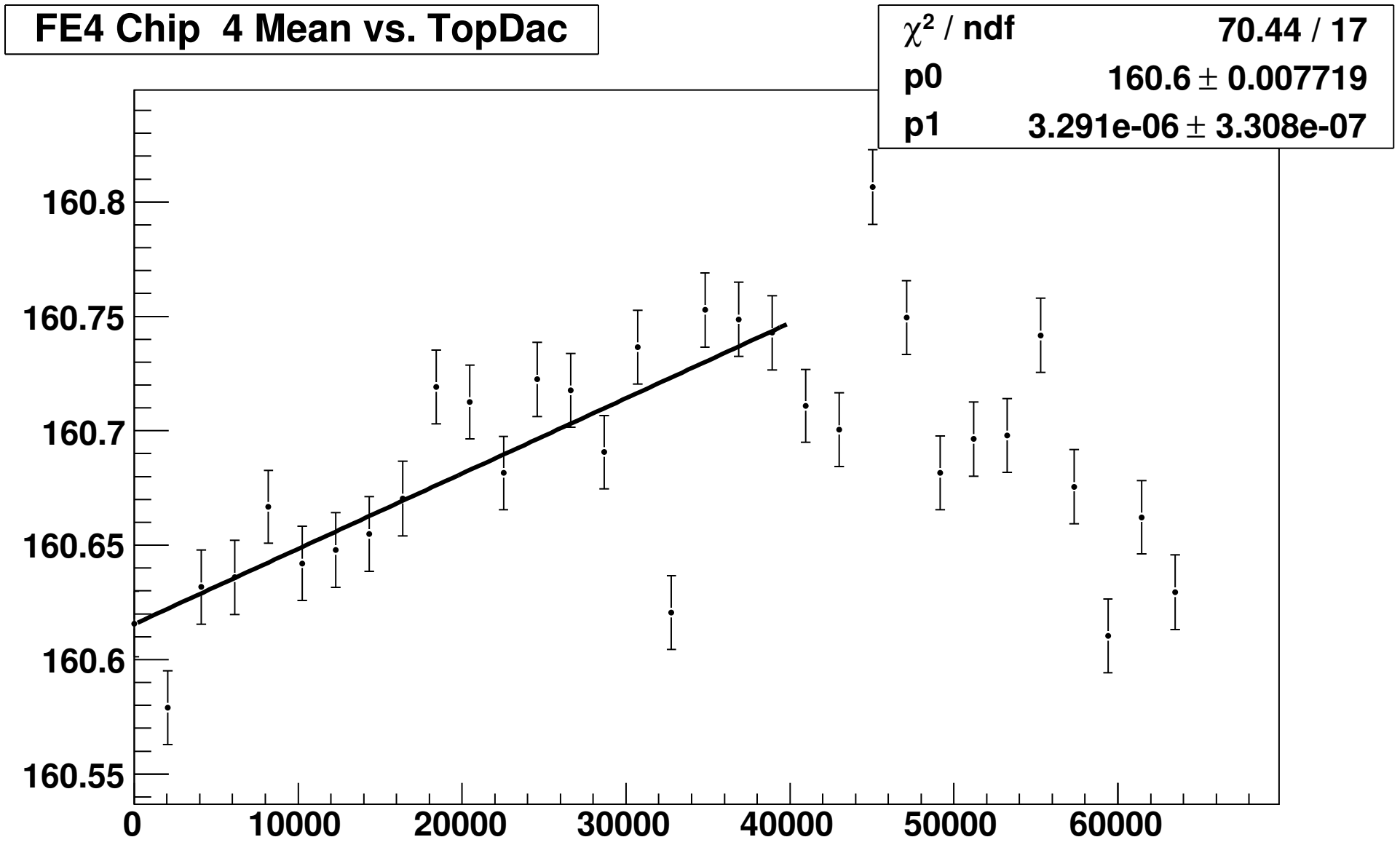
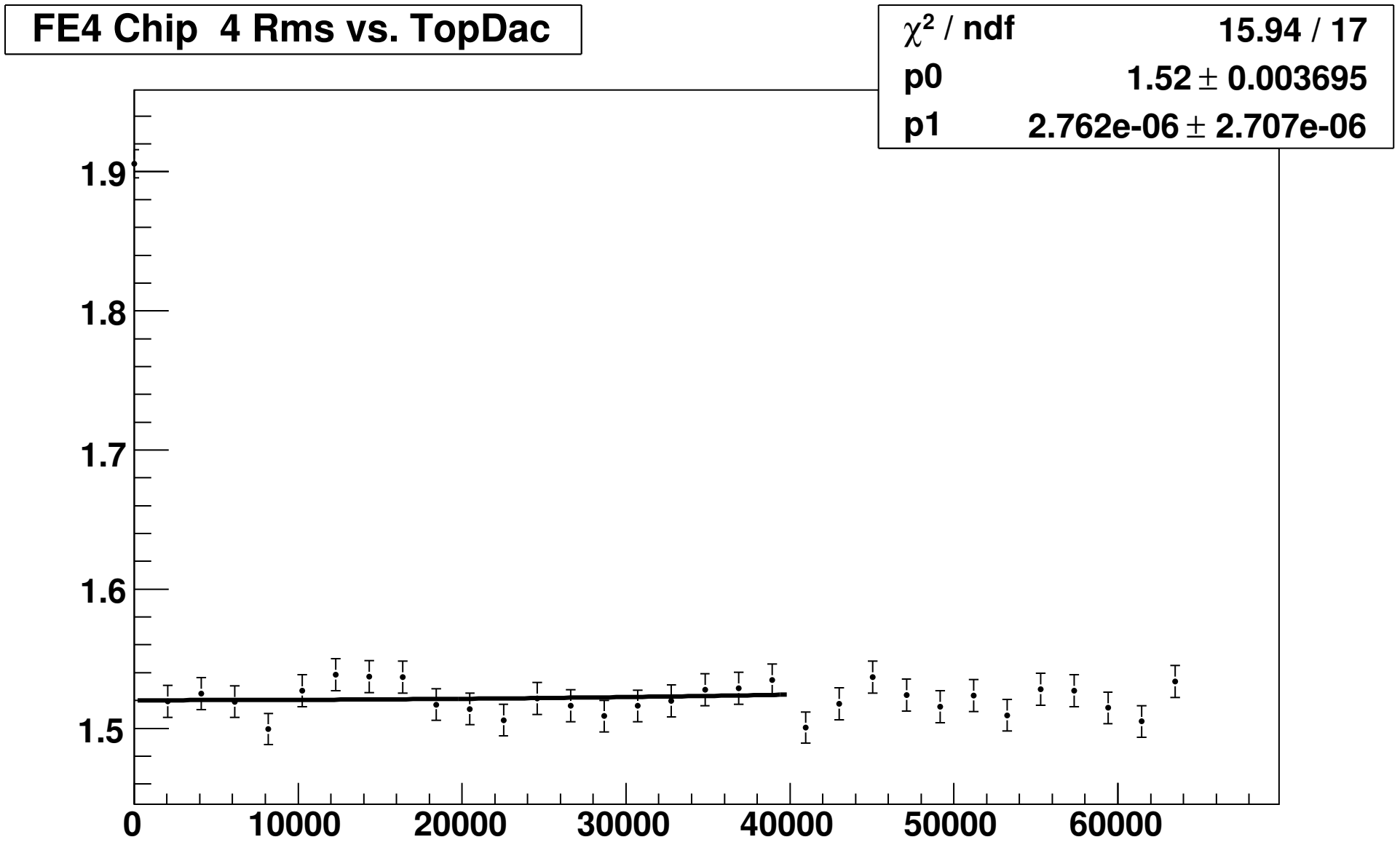
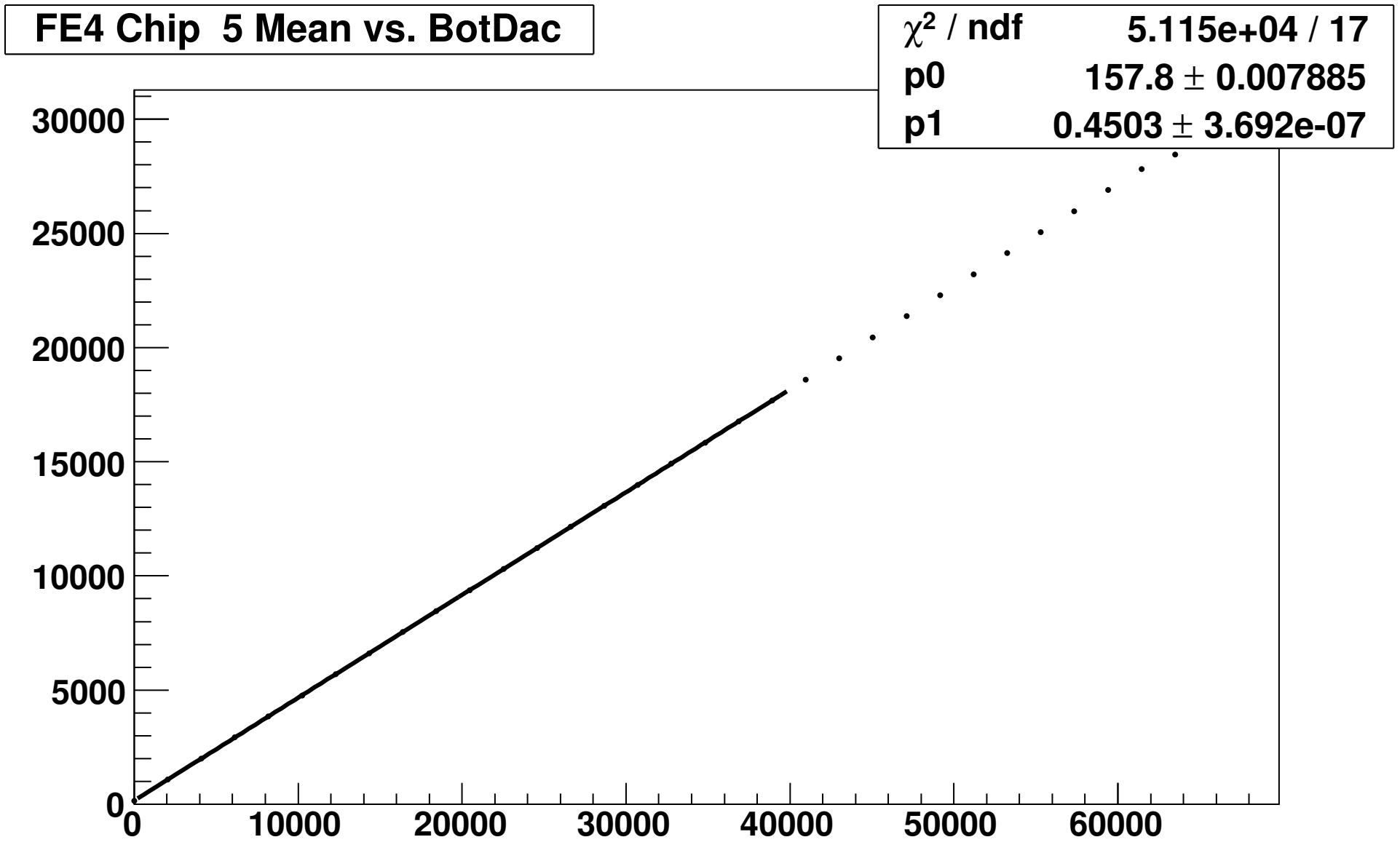
30000
40000
50000
60000

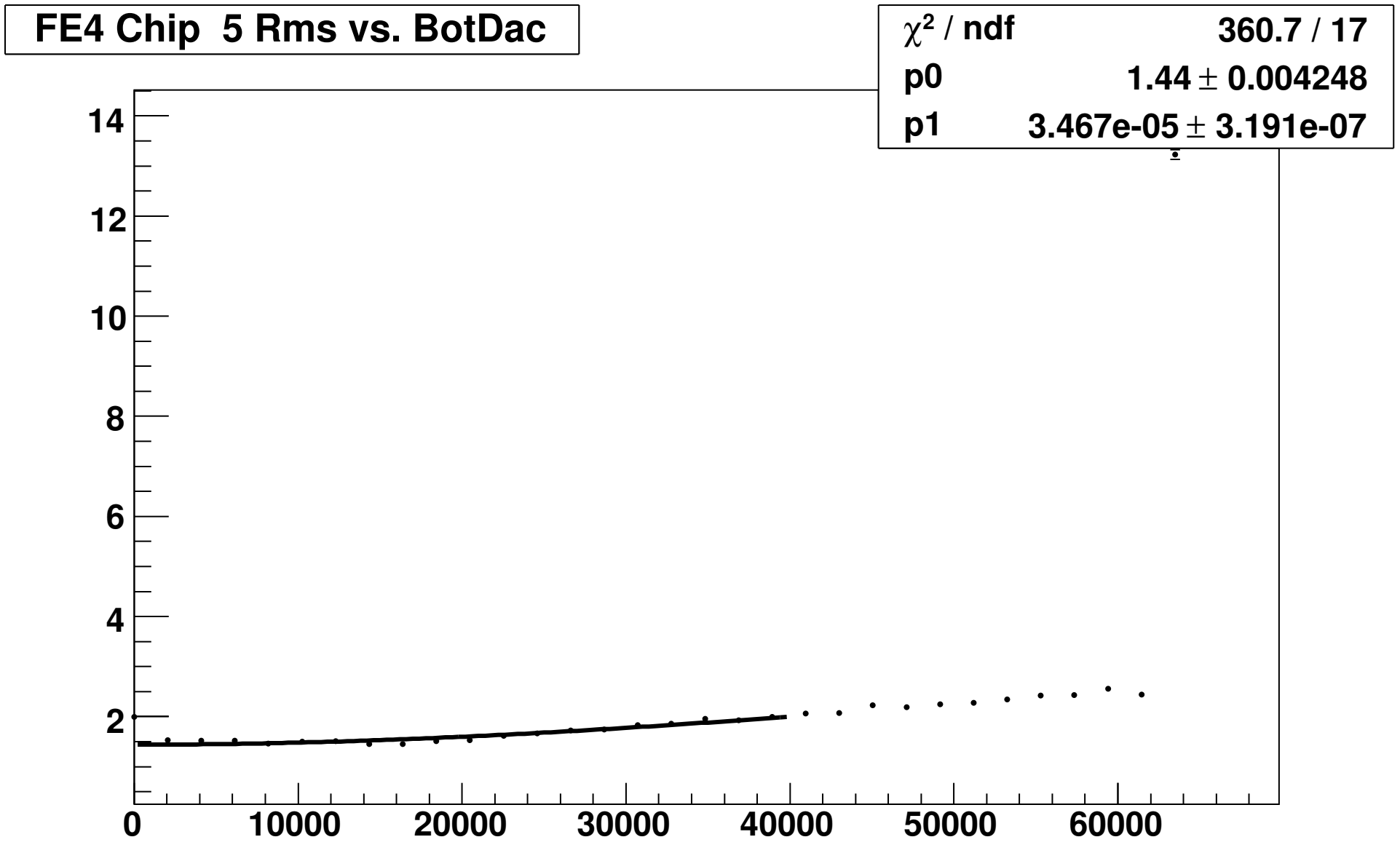

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 3.983e+04 / 17
p0 161.4 ± 0.007502
p1 0.4503 ± 3.542e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

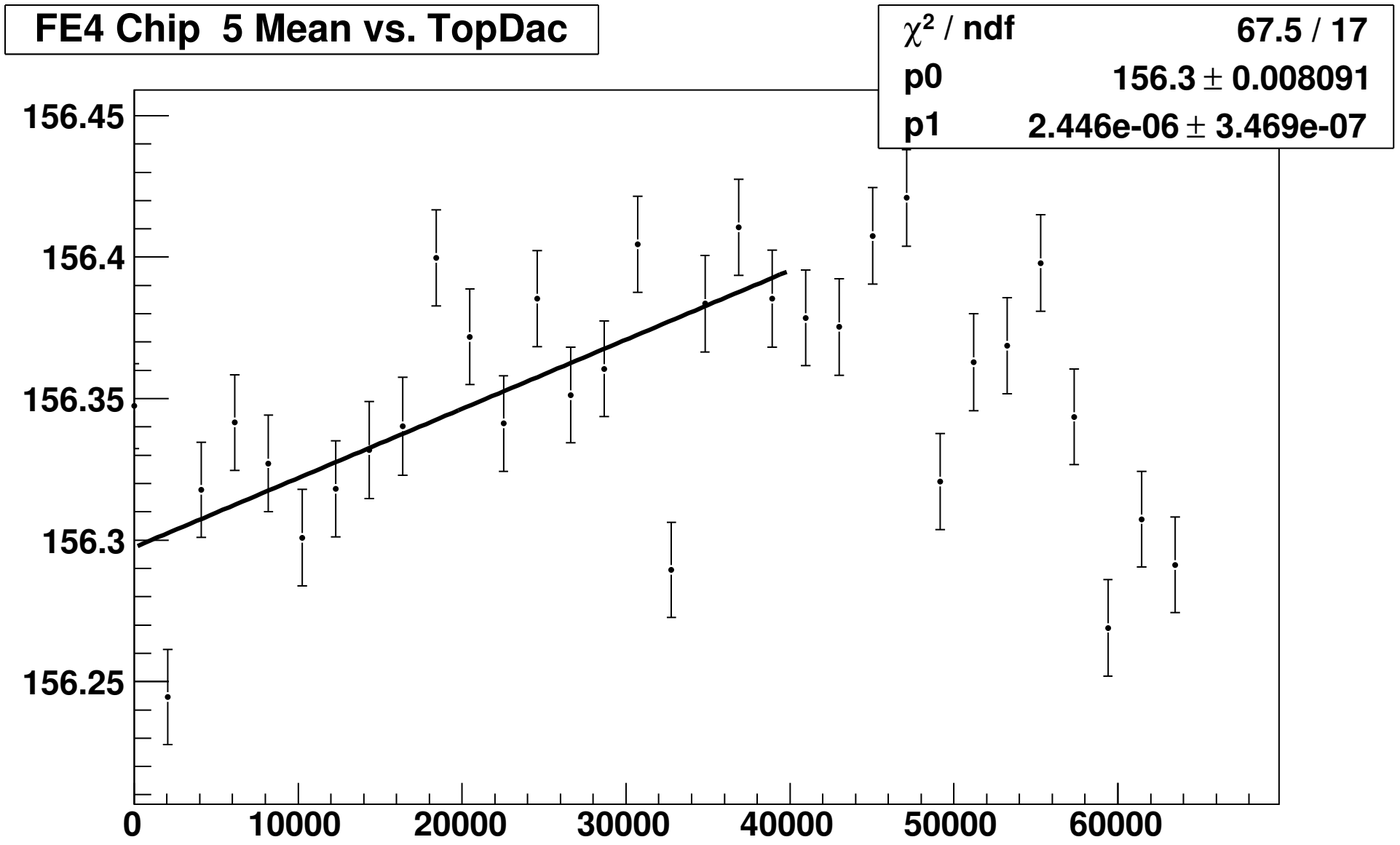

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 434.2 / 17
p0 1.364 ± 0.004063
p1 3.484e-05 ± 2.95e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

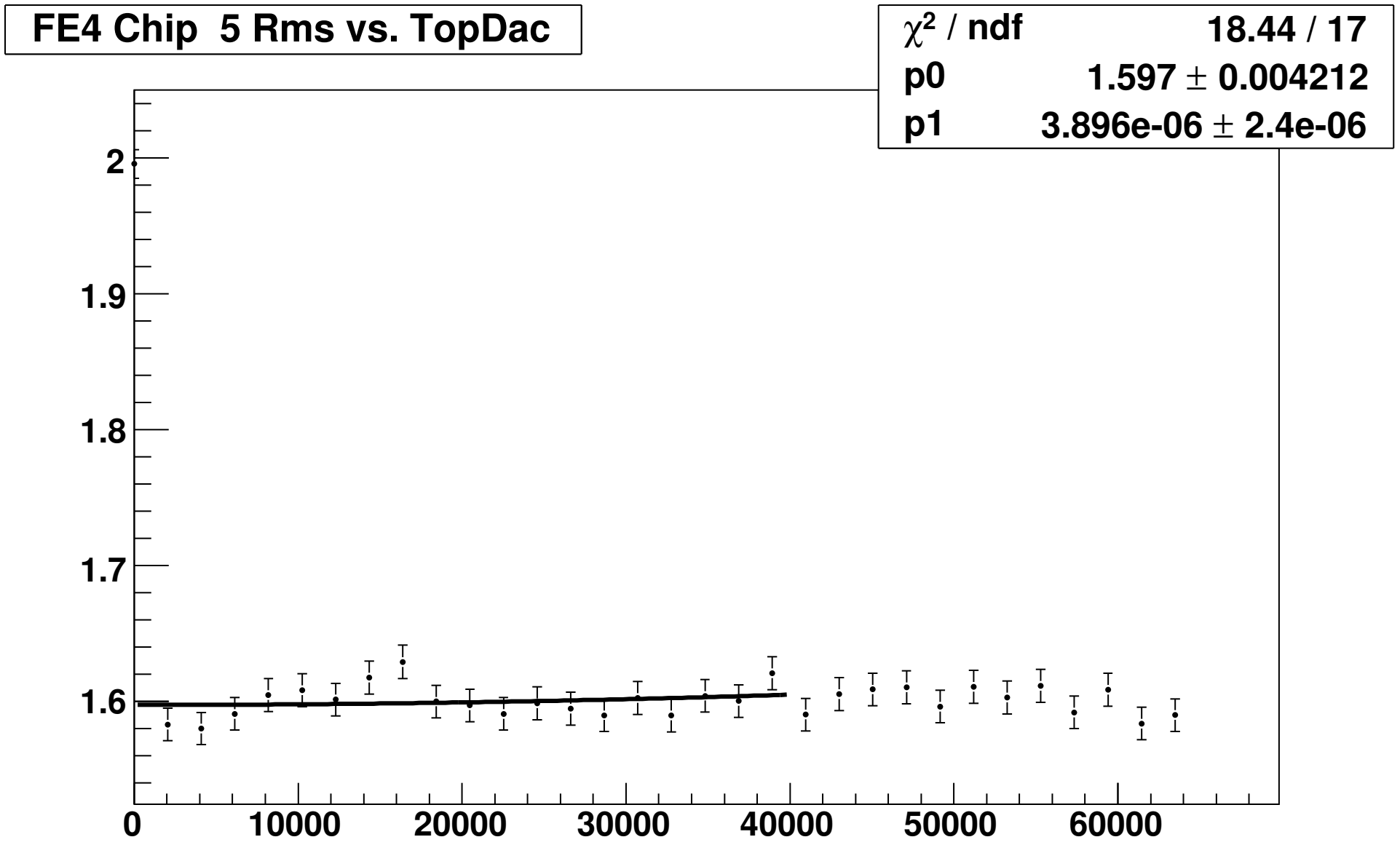

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 70.44 / 17
p0 160.6 ± 0.007719
p1 3.291e-06 ± 3.308e-07
160.8
160.75
160.7
160.65
160.6
160.55
0
10000
20000
30000
40000
50000
60000

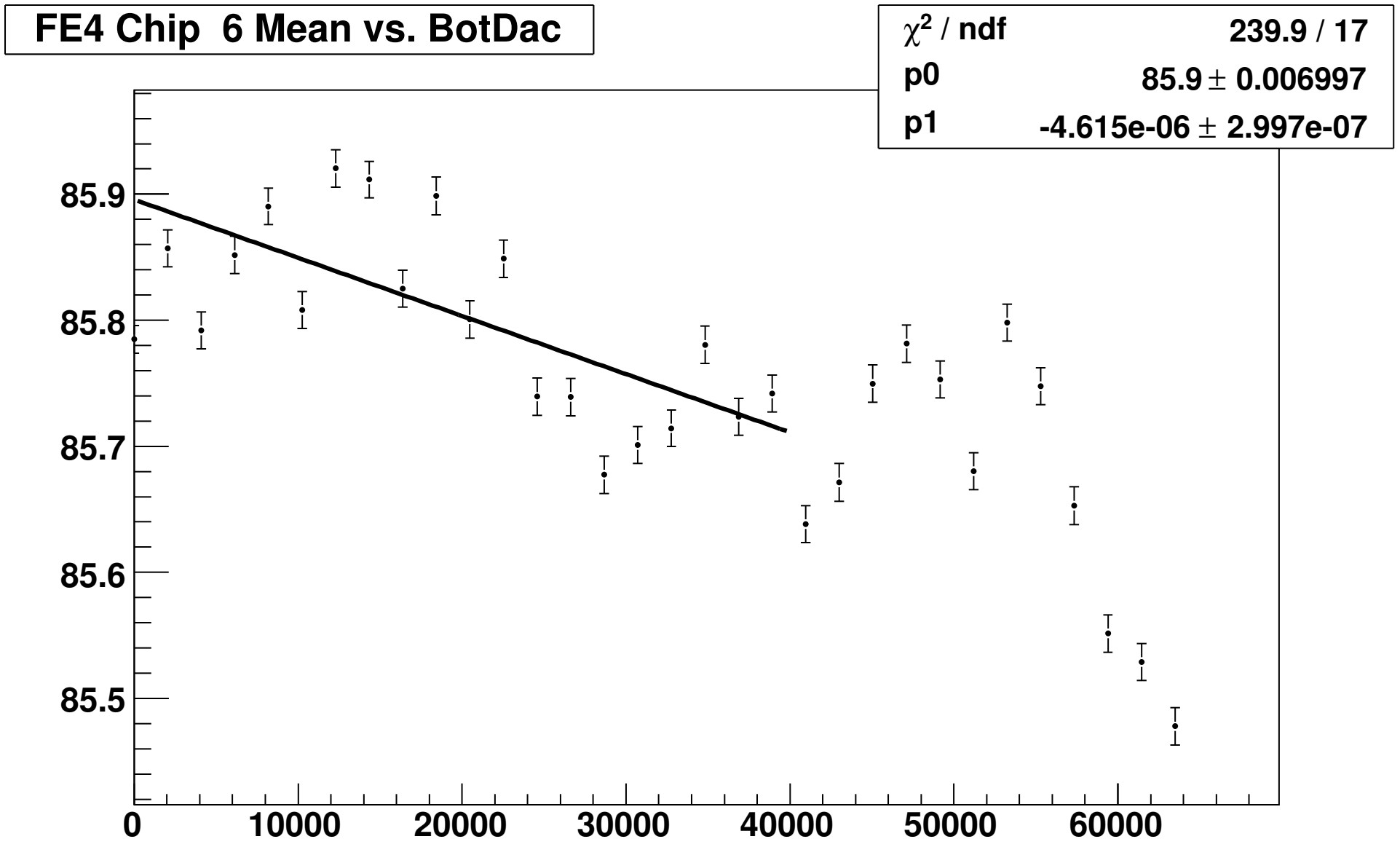

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 15.94 / 17
p0 1.52 ± 0.003695
p1 2.762e-06 ± 2.707e-06
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000

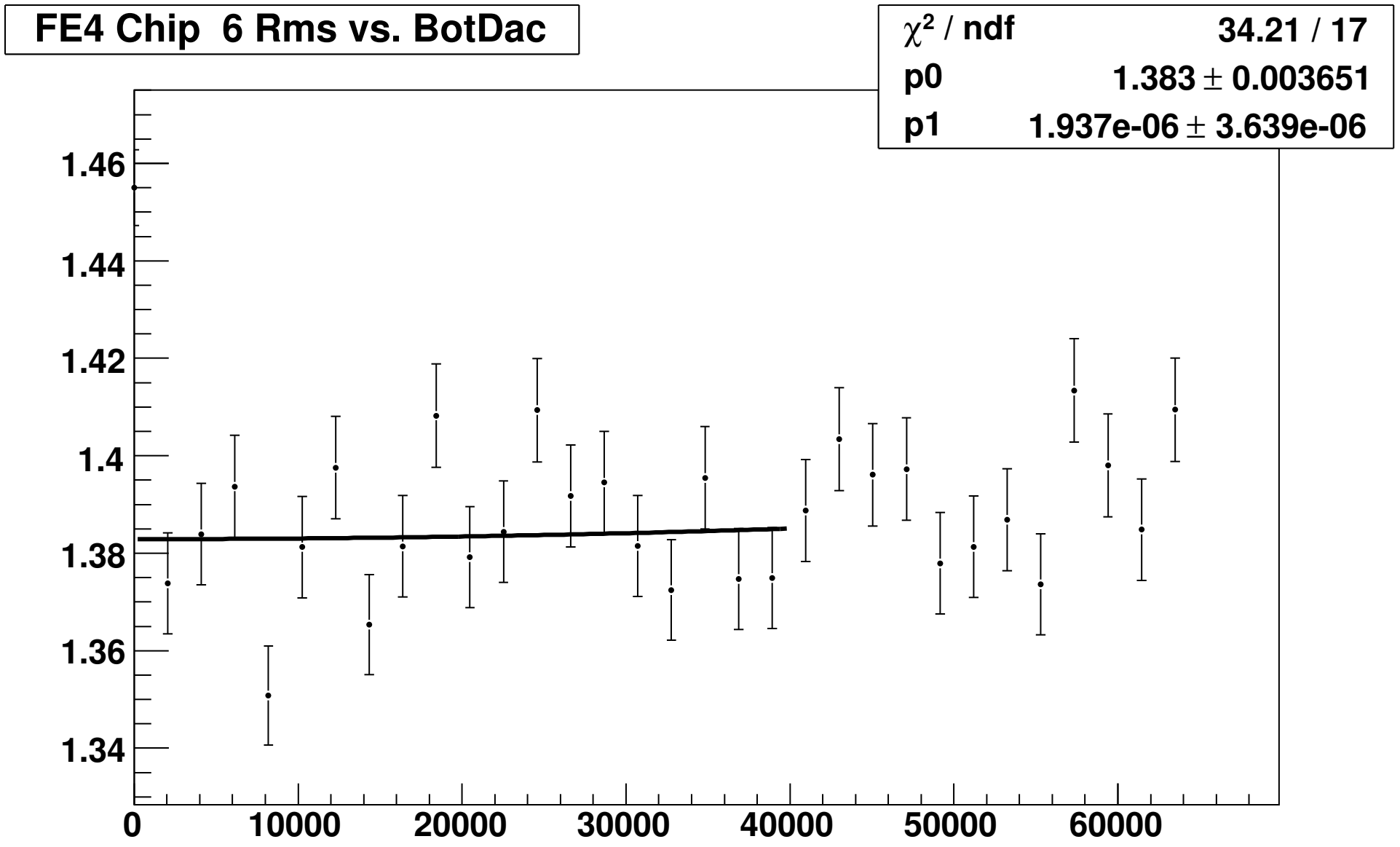

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 5.115e+04 / 17
p0 157.8 ± 0.007885
p1 0.4503 ± 3.692e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

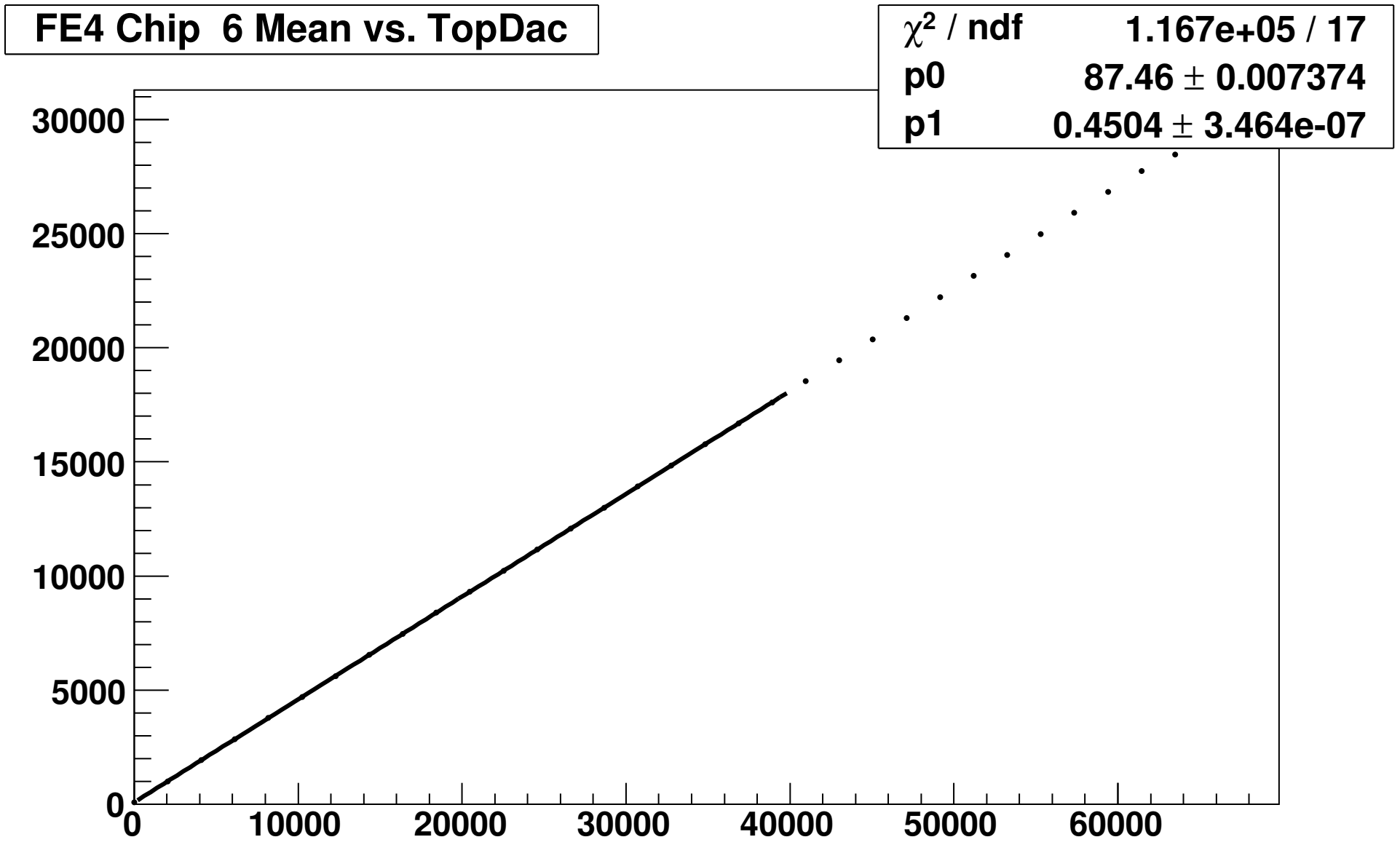

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 360.7 / 17
p0 1.44 ± 0.004248
p1 3.467e-05 ± 3.191e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 67.5 / 17
p0 156.3 ± 0.008091
p1 2.446e-06 ± 3.469e-07
156.45
156.4
156.35
156.3
156.25
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 18.44 / 17
p0 1.597 ± 0.004212
p1 3.896e-06 ± 2.4e-06
2
1.9
1.8
1.7
1.6
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 239.9 / 17
p0 85.9 ± 0.006997
p1 -4.615e-06 ± 2.997e-07
85.9
85.8
85.7
85.6
85.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 34.21 / 17
p0 1.383 ± 0.003651
p1 1.937e-06 ± 3.639e-06
1.46
1.44
1.42
1.4
1.38
1.36
1.34
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.167e+05 / 17
p0 87.46 ± 0.007374
p1 0.4504 ± 3.464e-07
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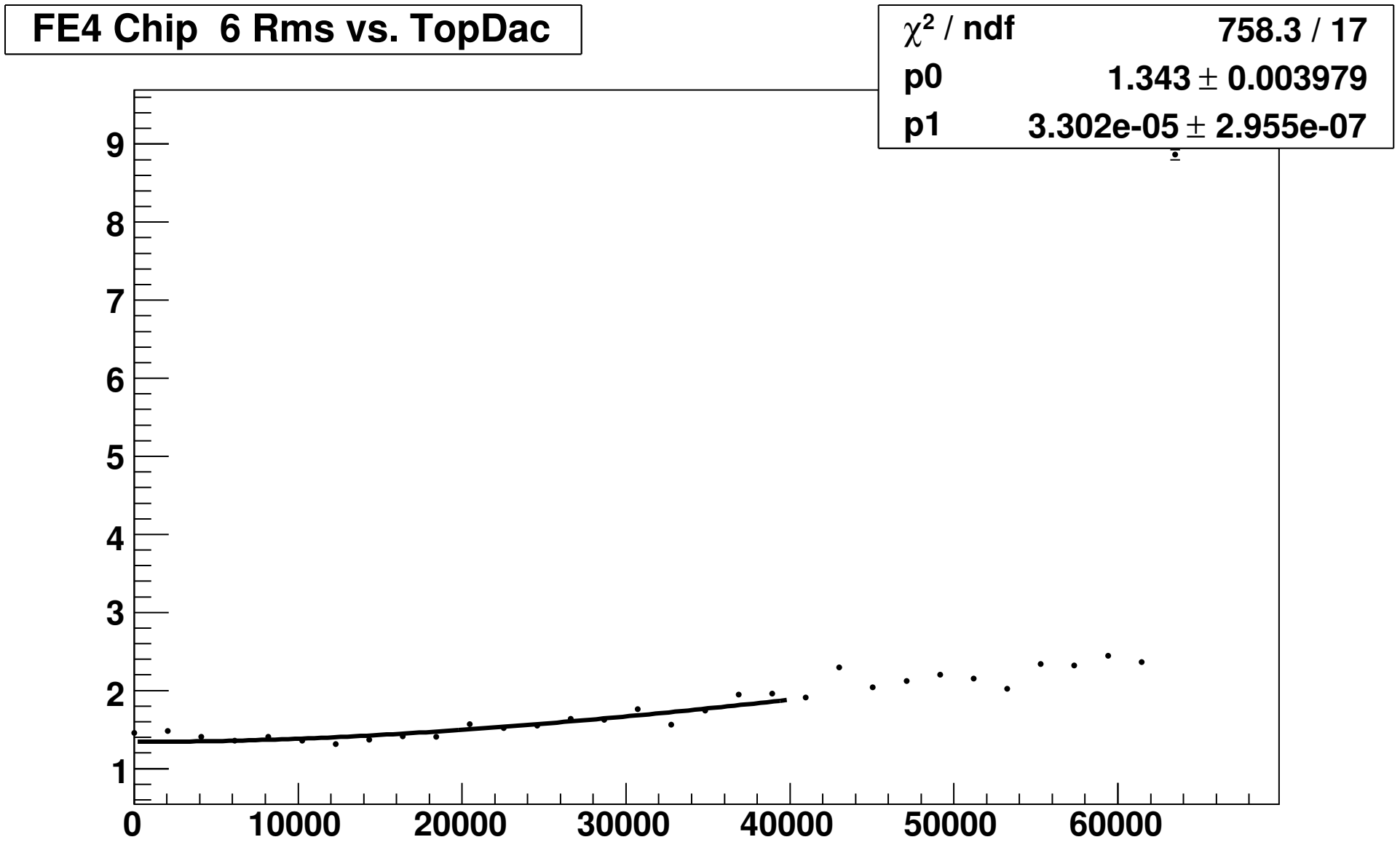
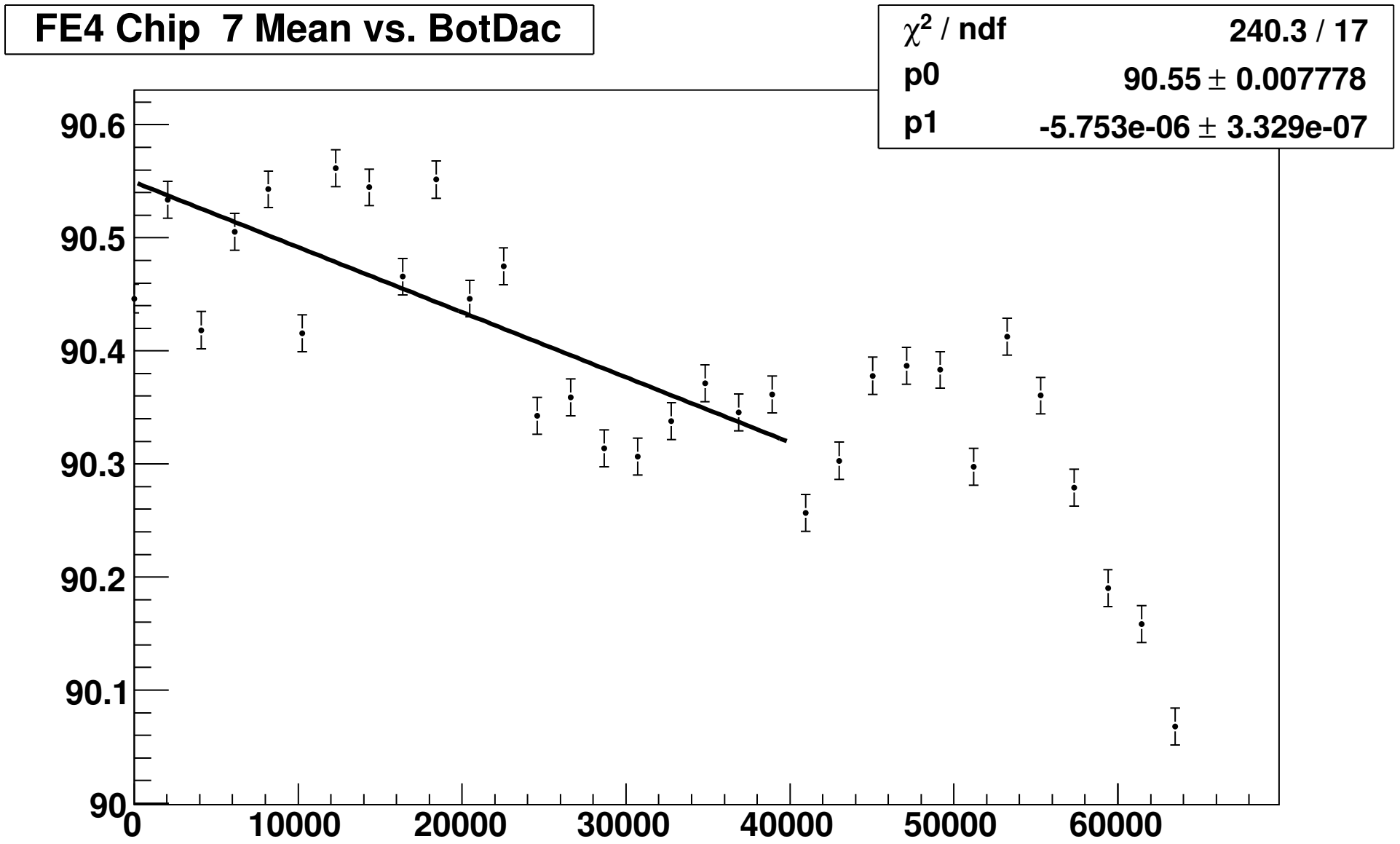
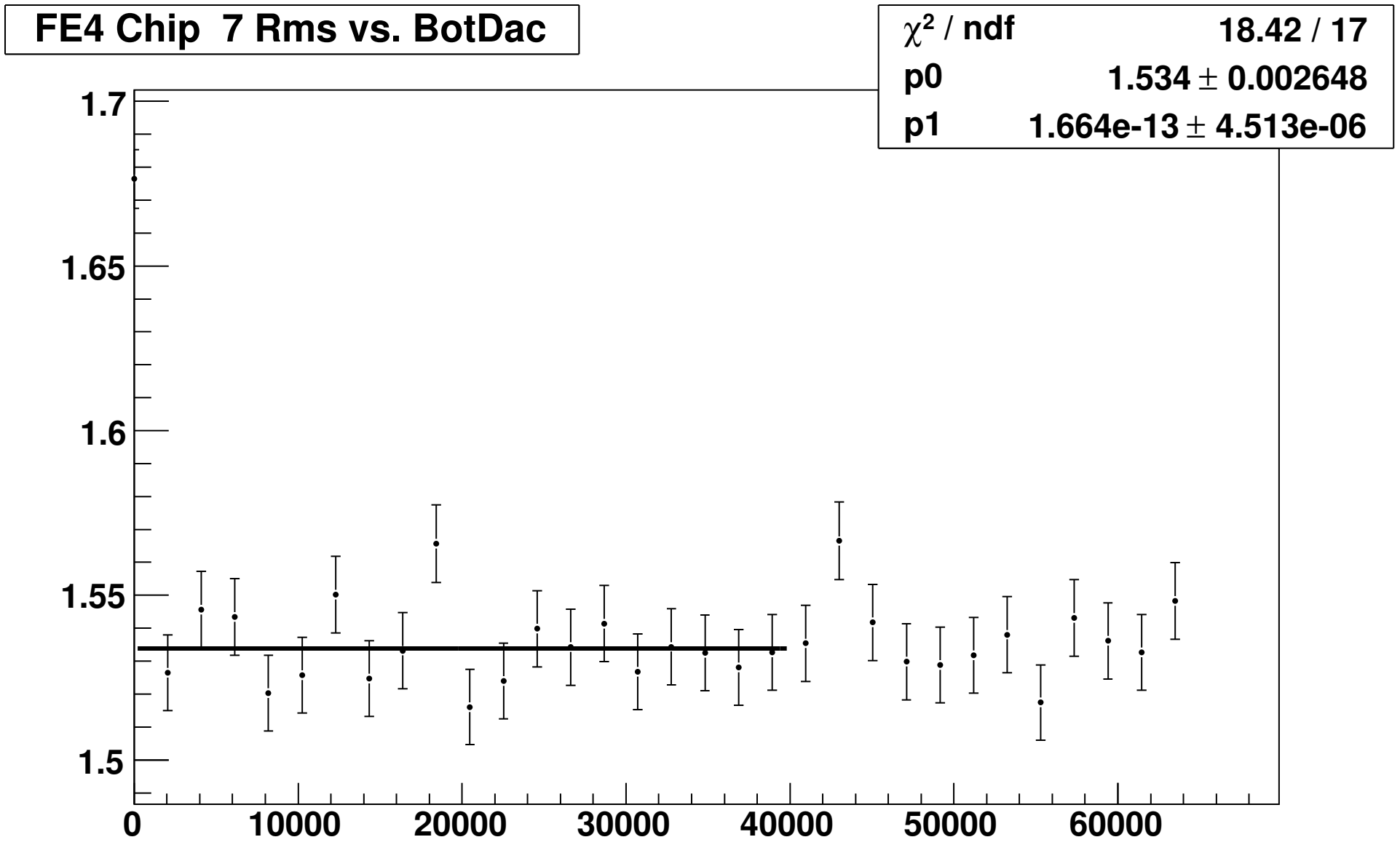
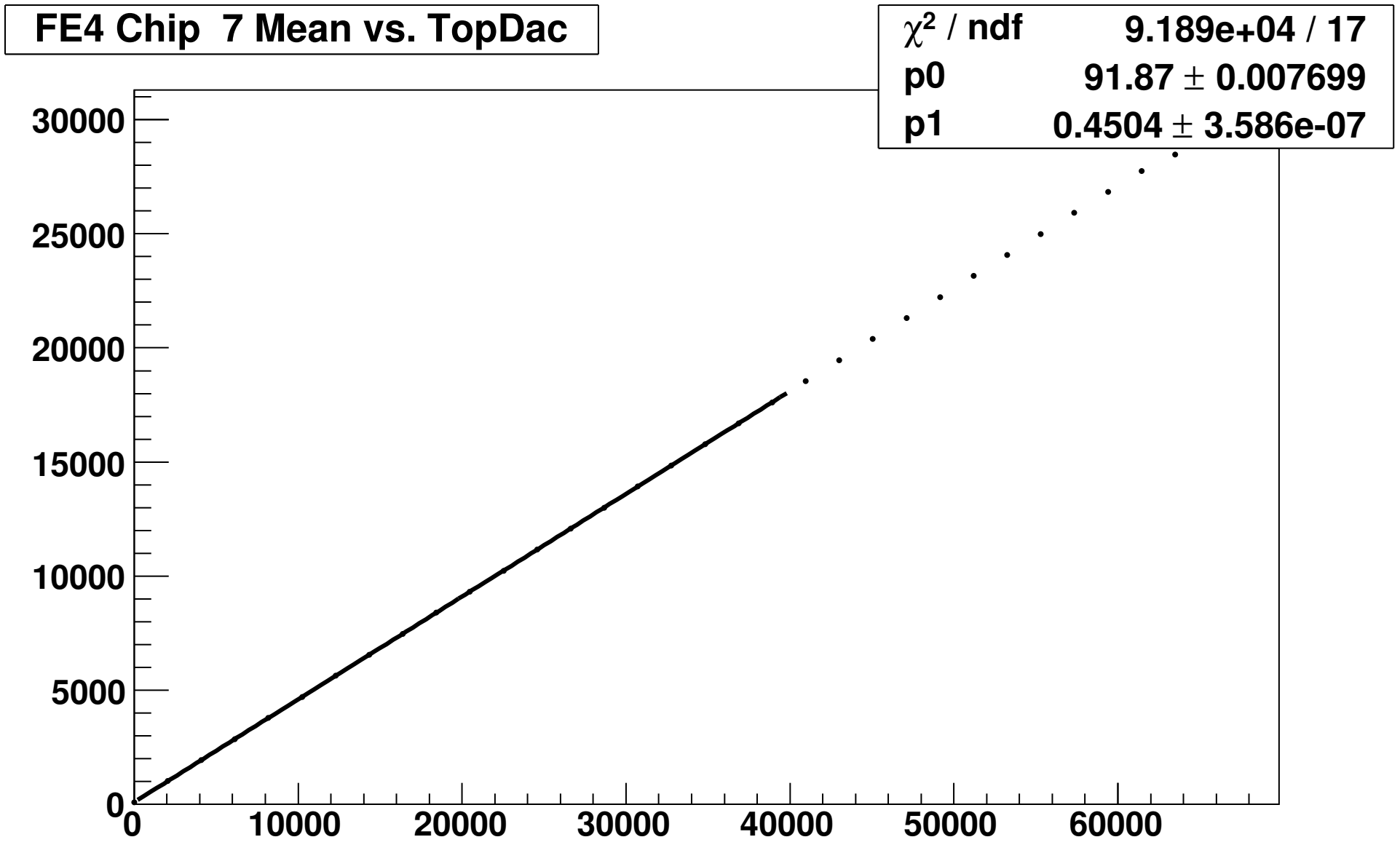
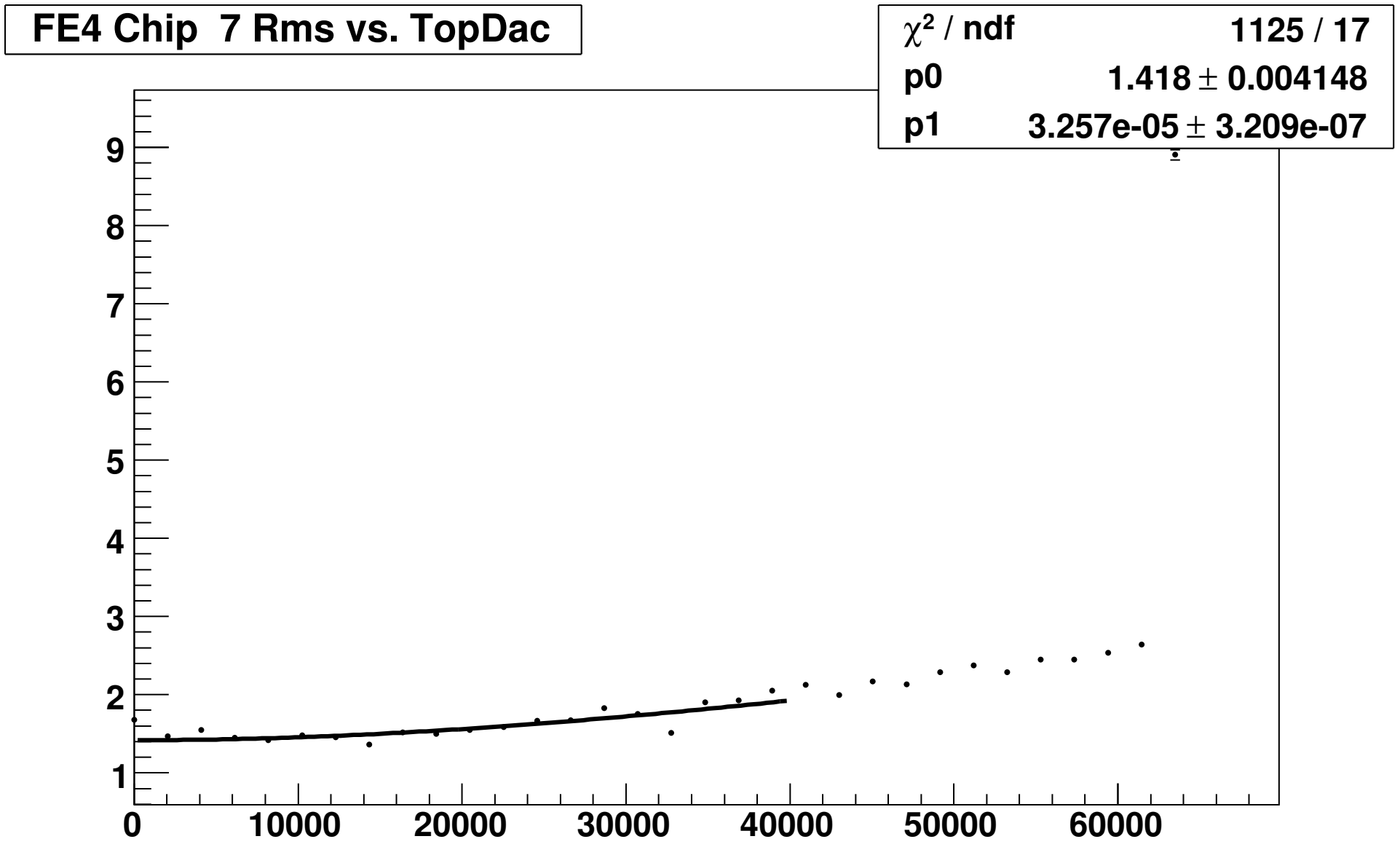
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

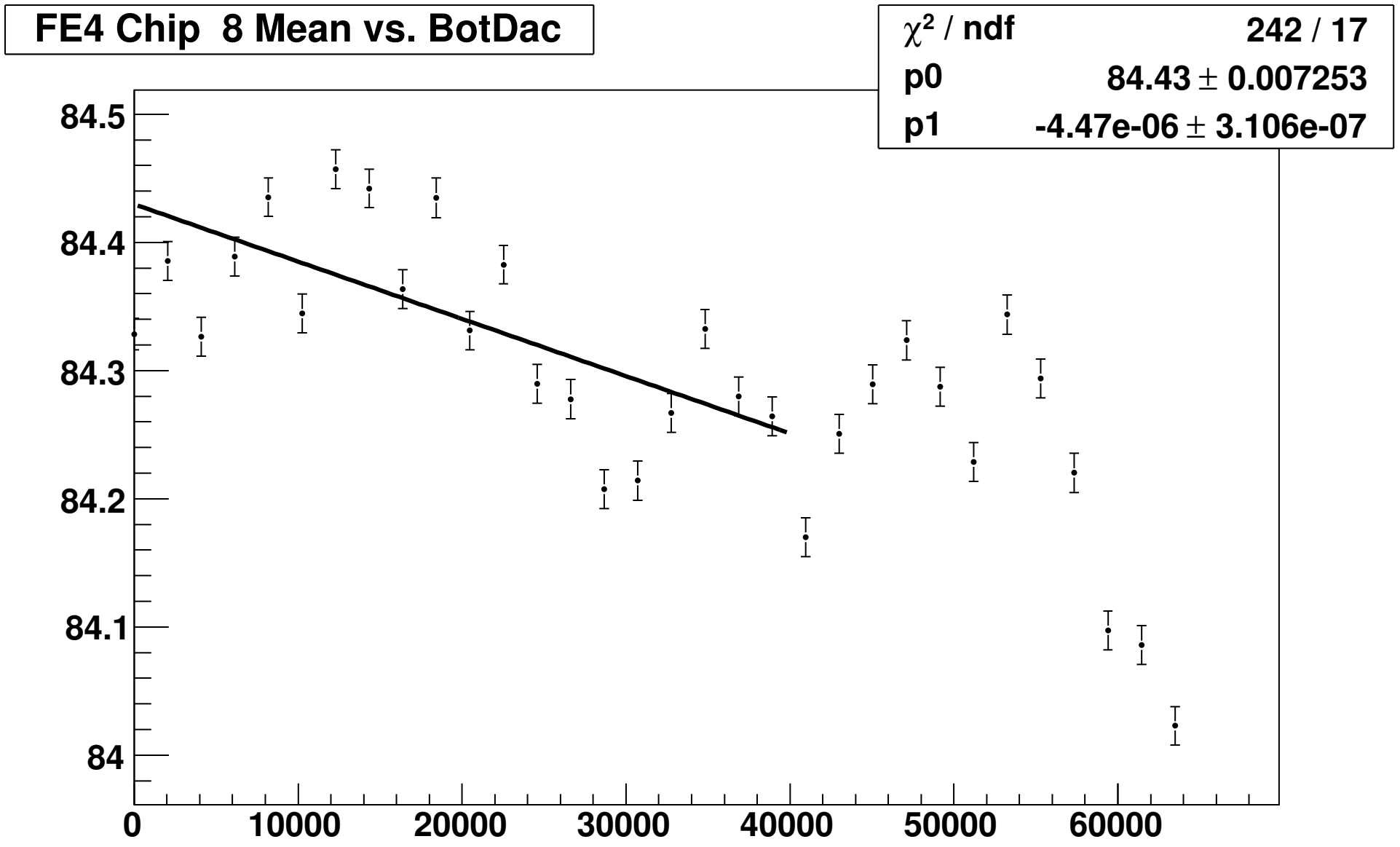

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 758.3 / 17
p0 1.343 ± 0.003979
p1 3.302e-05 ± 2.955e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

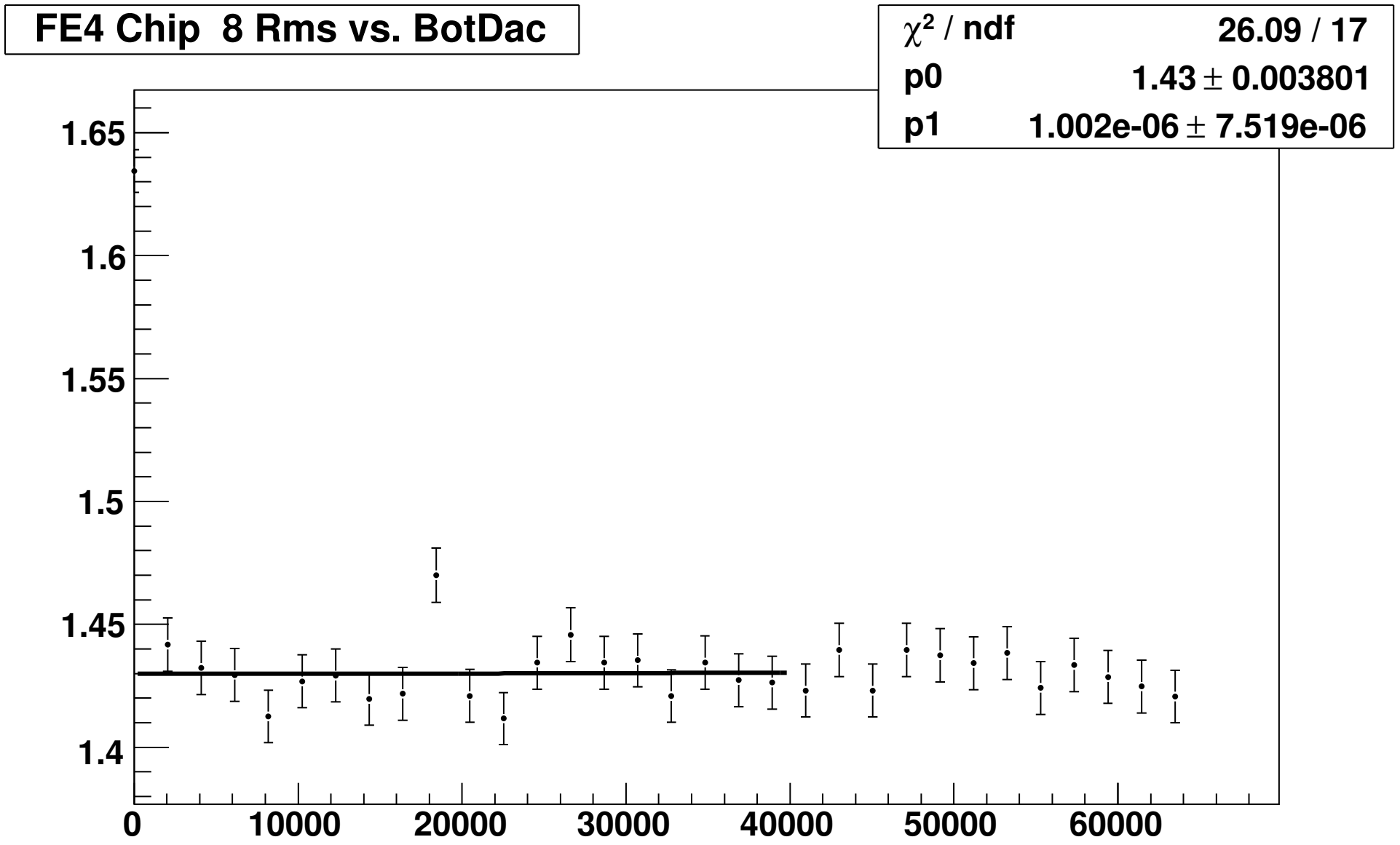

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 240.3 / 17
p0 90.55 ± 0.007778
p1 -5.753e-06 ± 3.329e-07
90.6
90.5
90.4
90.3
90.2
90.1
90
0
10000
20000
30000
40000
50000
60000

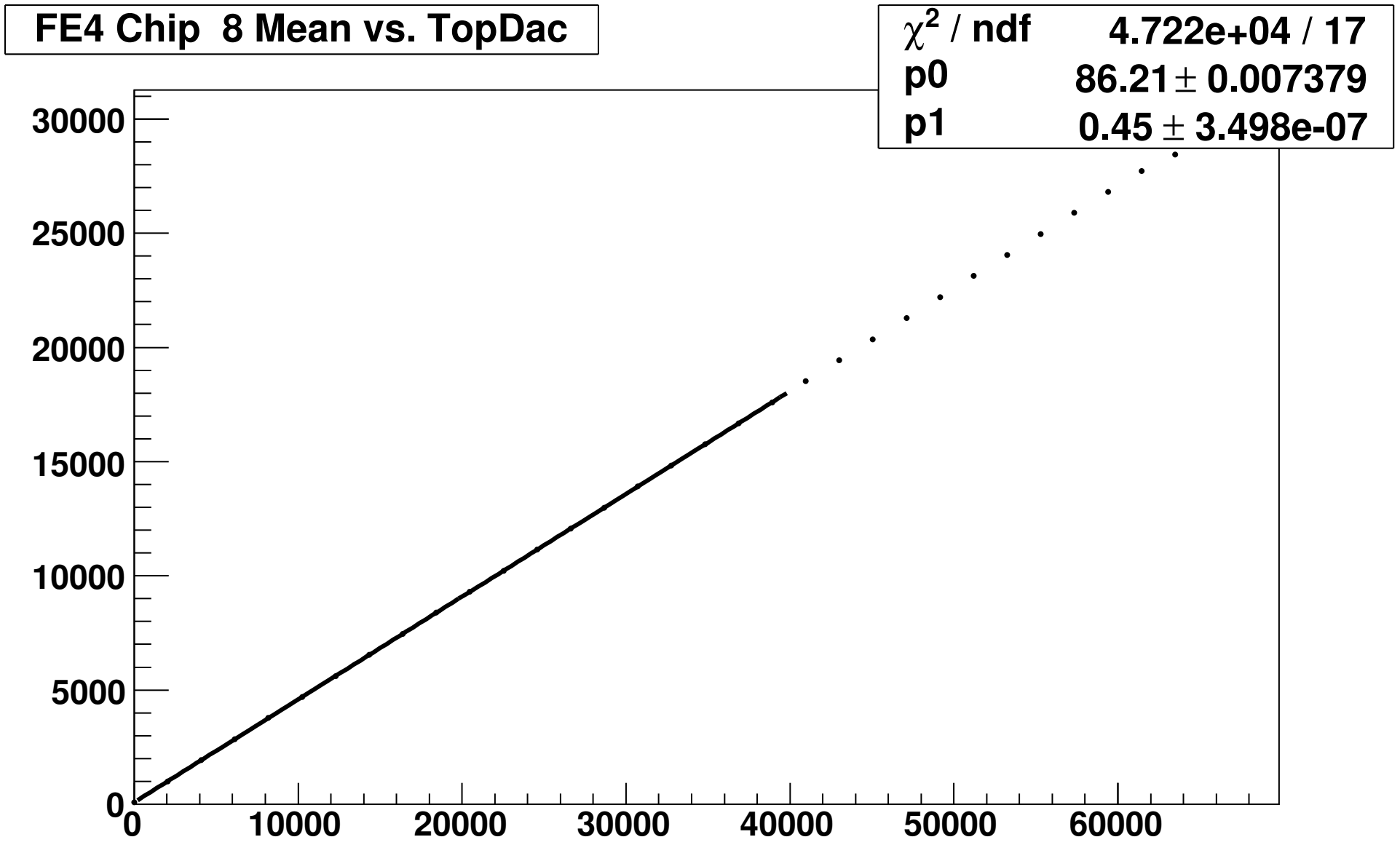

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 18.42 / 17
p0 1.534 ± 0.002648
p1 1.664e-13 ± 4.513e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 9.189e+04 / 17
p0 91.87 ± 0.007699
p1 0.4504 ± 3.586e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1125 / 17
p0 1.418 ± 0.004148
p1 3.257e-05 ± 3.209e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 242 / 17
p0 84.43 ± 0.007253
p1 -4.47e-06 ± 3.106e-07
84.5
84.4
84.3
84.2
84.1
84
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 26.09 / 17
p0 1.43 ± 0.003801
p1 1.002e-06 ± 7.519e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 4.722e+04 / 17
p0 86.21 ± 0.007379
p1 0.45 ± 3.498e-07
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25000
20000
15000
10000
5000
0
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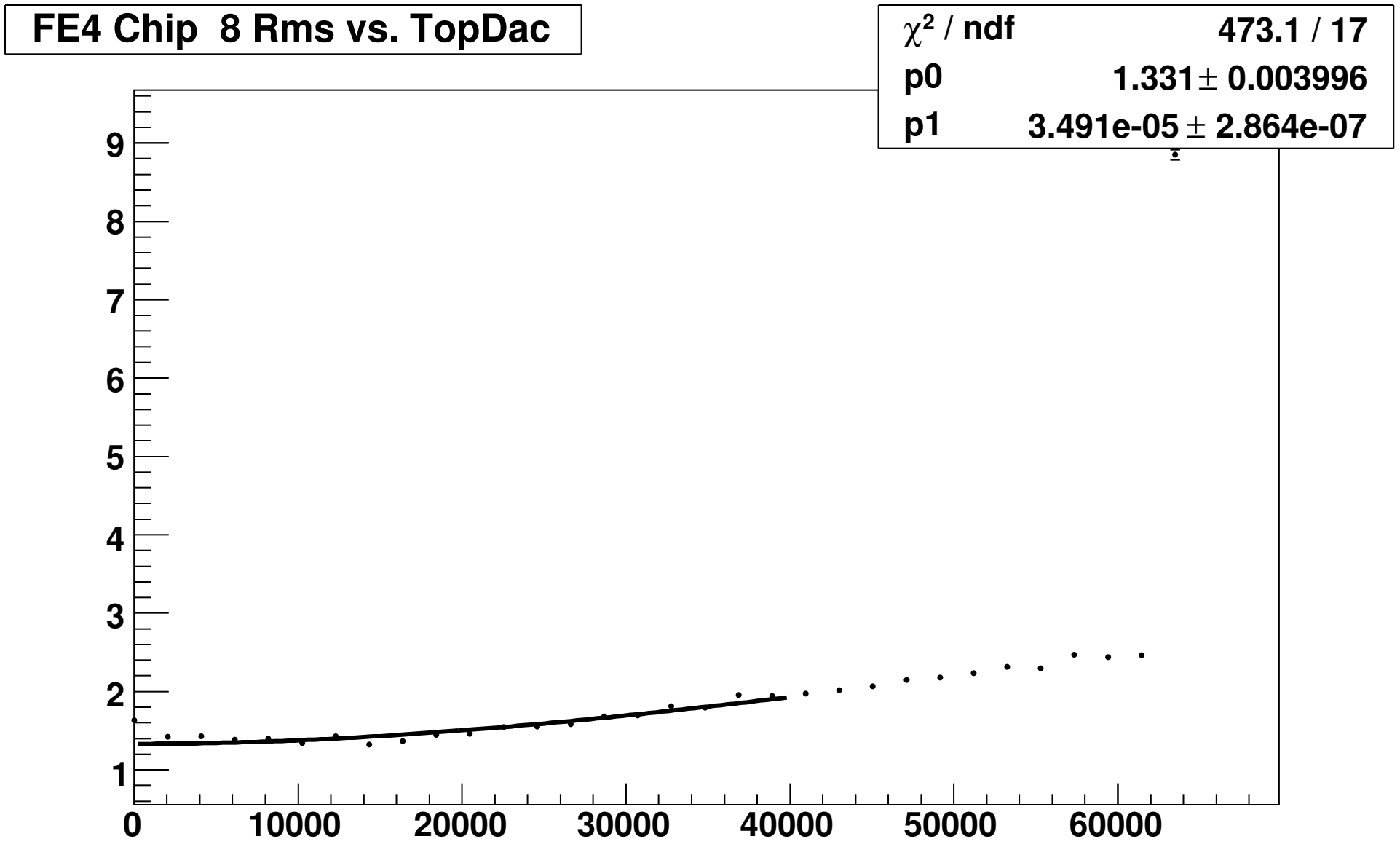
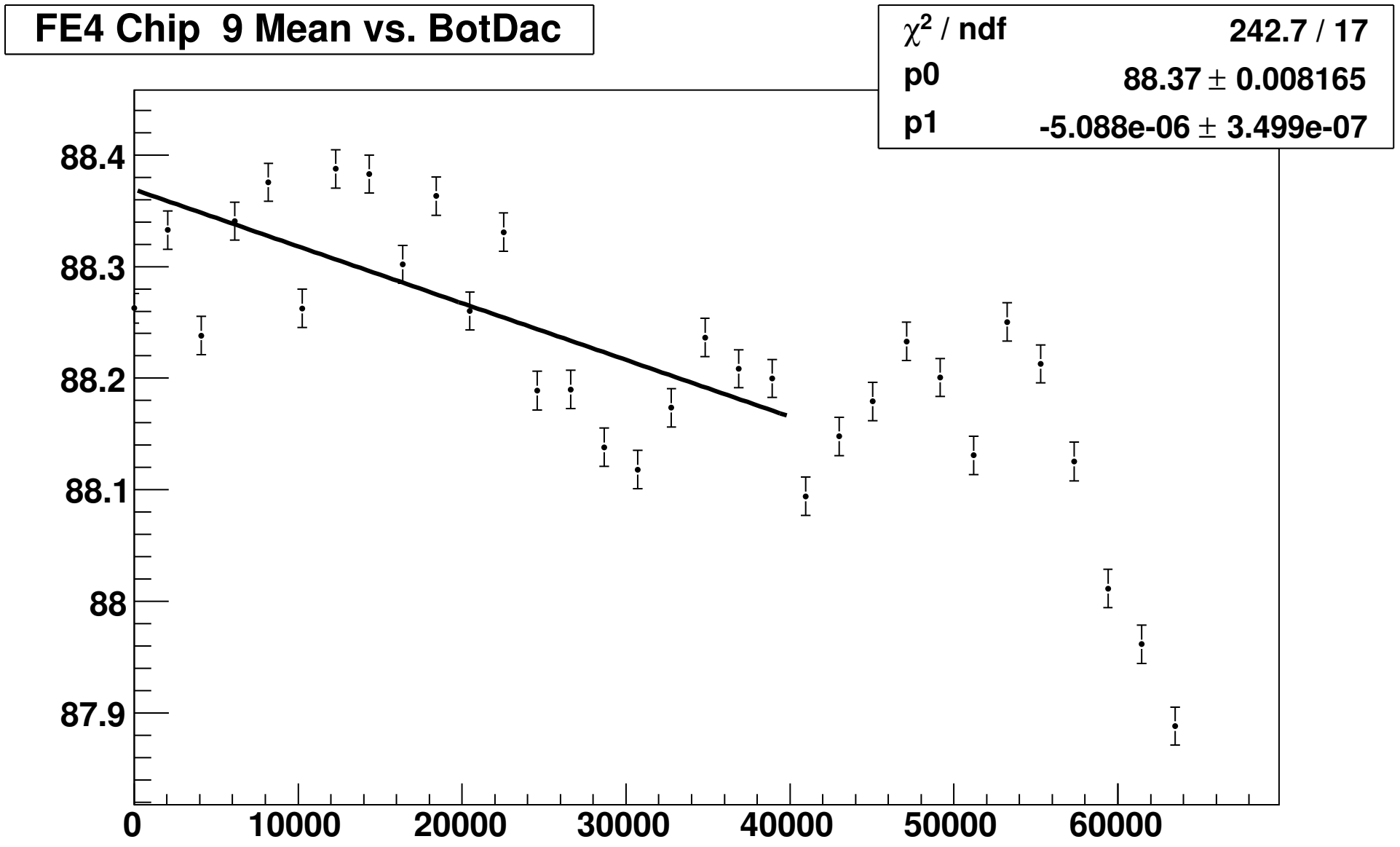
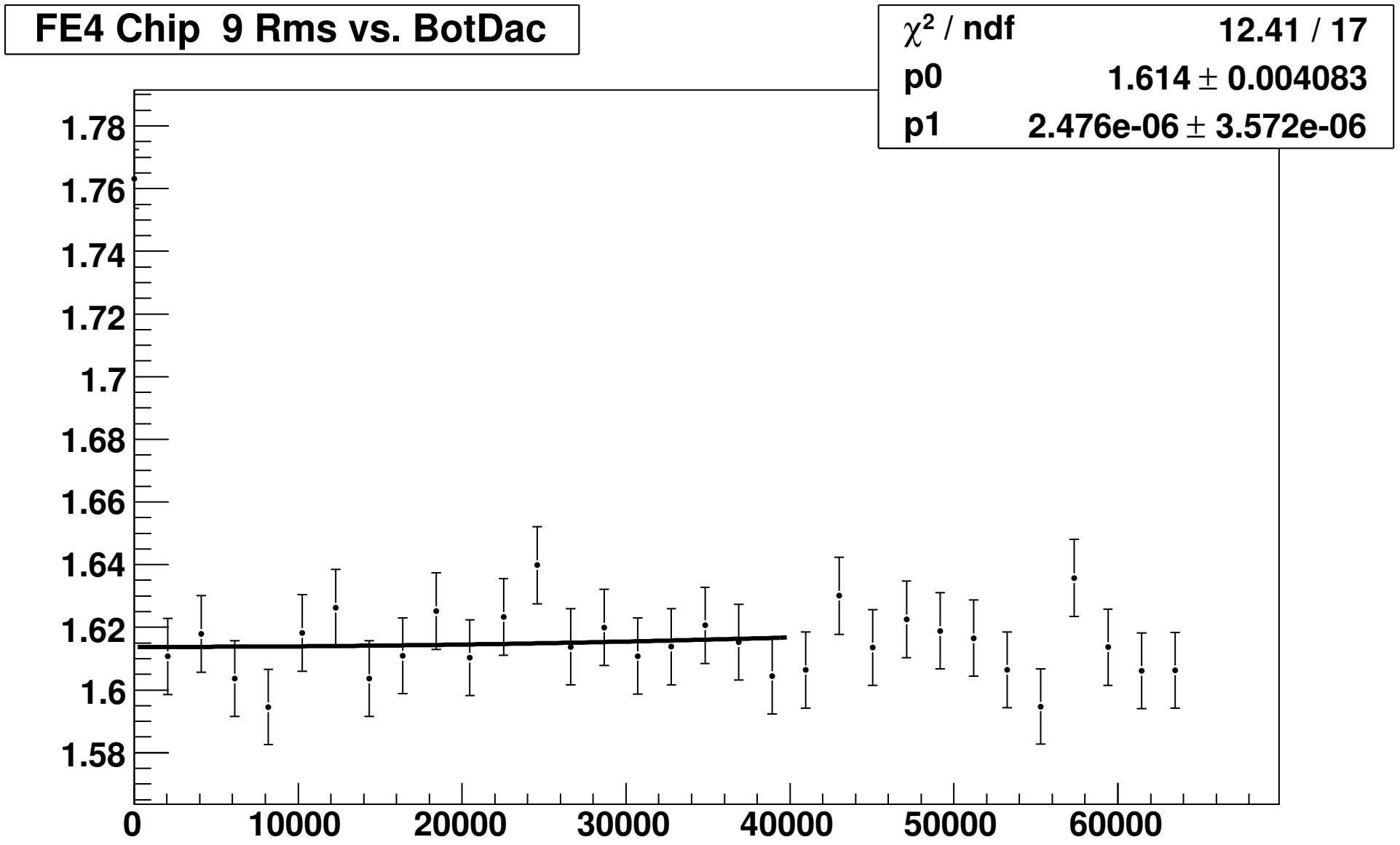
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 473.1 / 17
p0 1.331 ± 0.003996
p1 3.491e-05 ± 2.864e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 242.7 / 17
p0 88.37 ± 0.008165
p1 -5.088e-06 ± 3.499e-07
88.4
88.3
88.2
88.1
88
87.9
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 12.41 / 17
p0 1.614 ± 0.004083
p1 2.476e-06 ± 3.572e-06
1.78
1.76
1.74
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
0
10000
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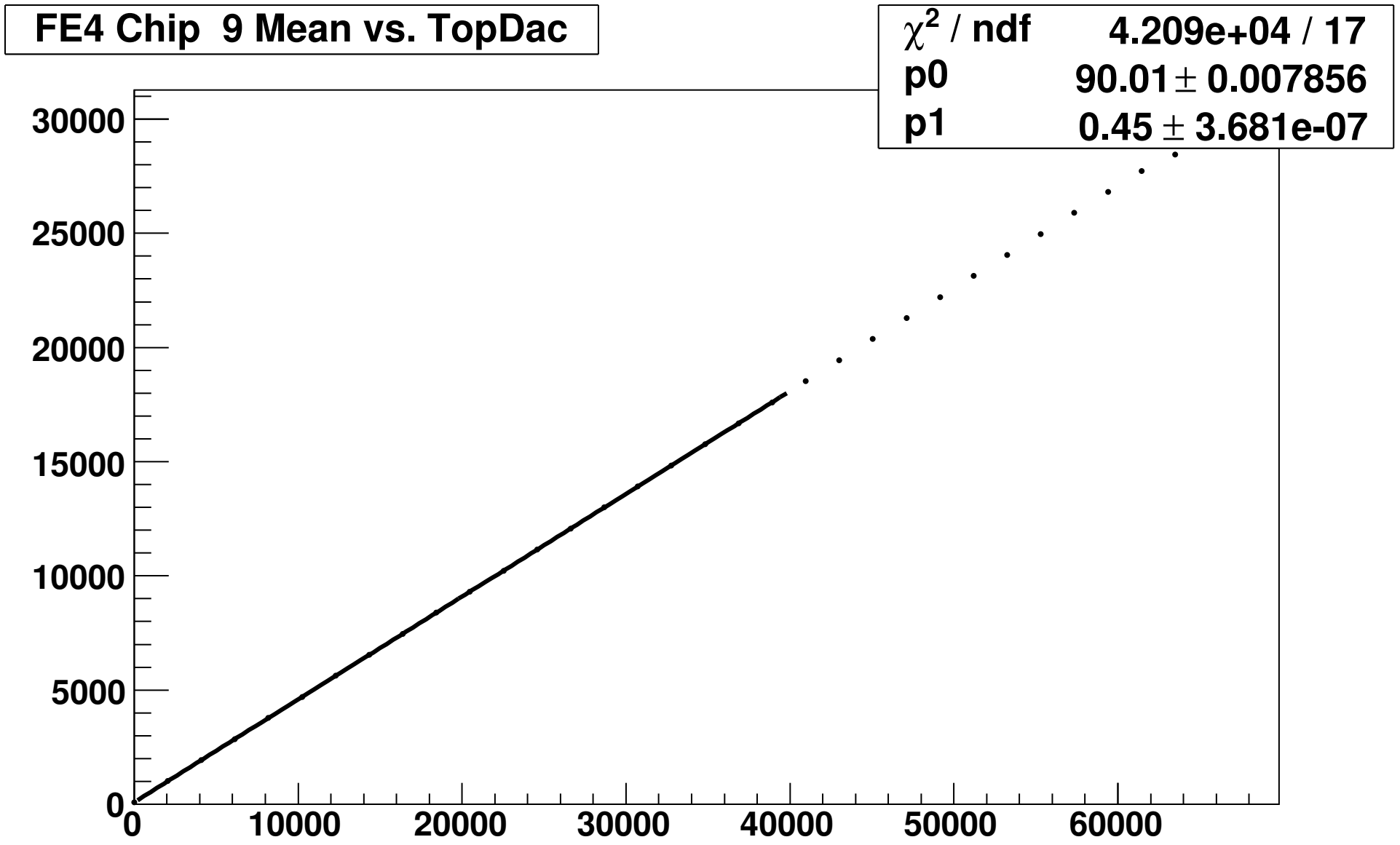
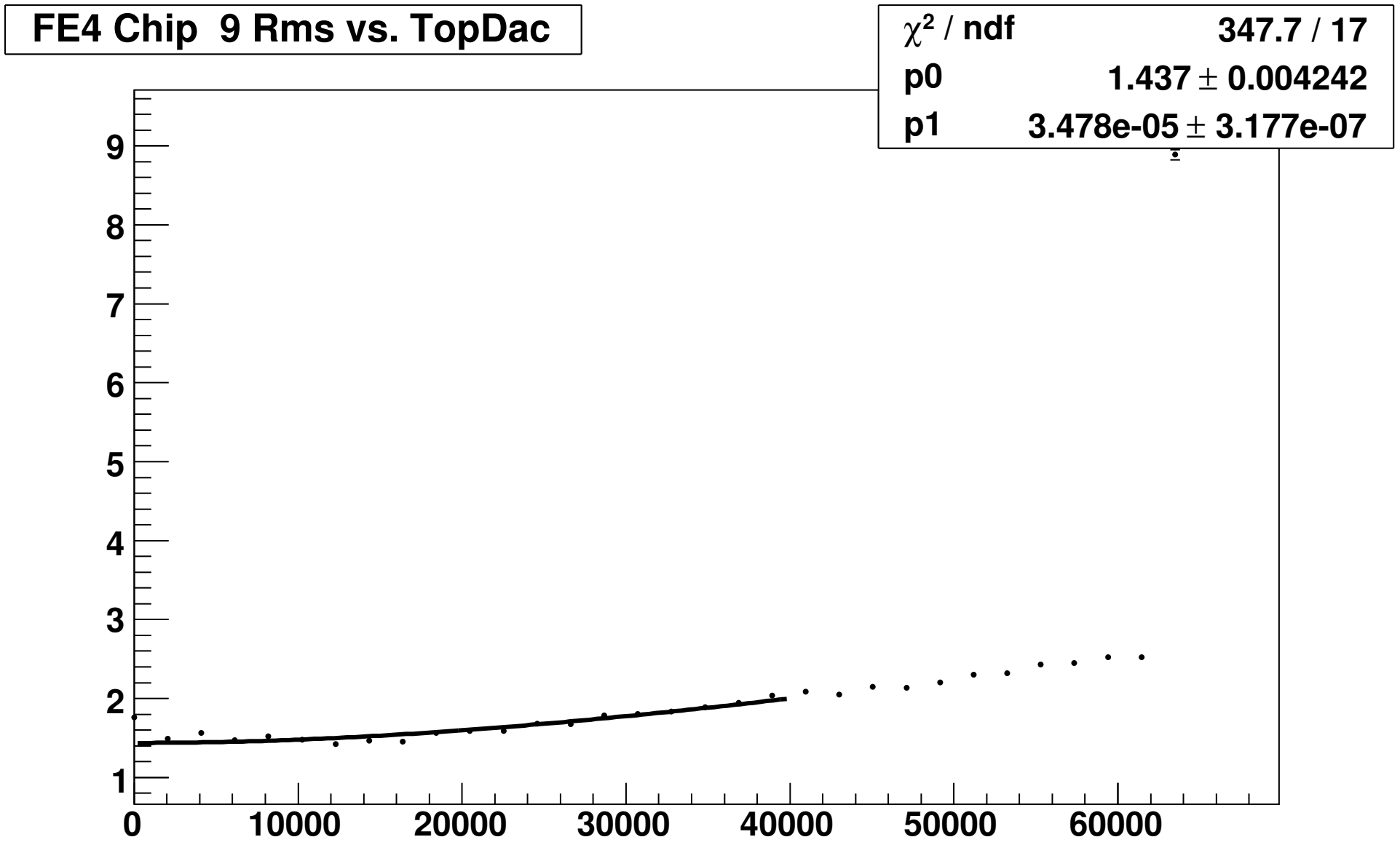
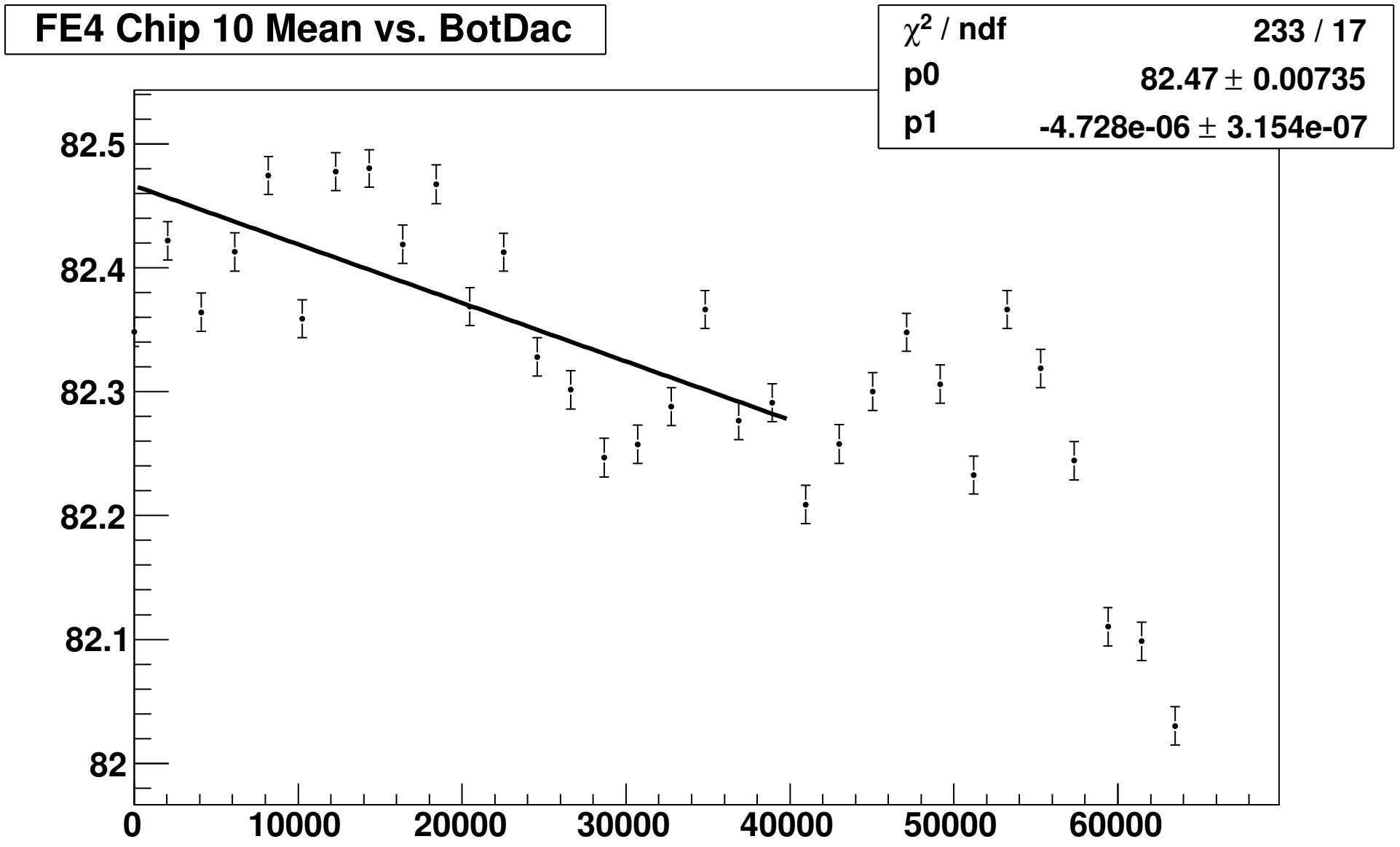

FE4 Chip 9 Mean vs. TopDac
χ² / ndf 4.209e+04 / 17
p0 90.01 ± 0.007856
p1 0.45 ± 3.681e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 347.7 / 17
p0 1.437 ± 0.004242
p1 3.478e-05 ± 3.177e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 233 / 17
p0 82.47 ± 0.00735
p1 -4.728e-06 ± 3.154e-07
82.5
82.4
82.3
82.2
82.1
82
0
10000
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30000
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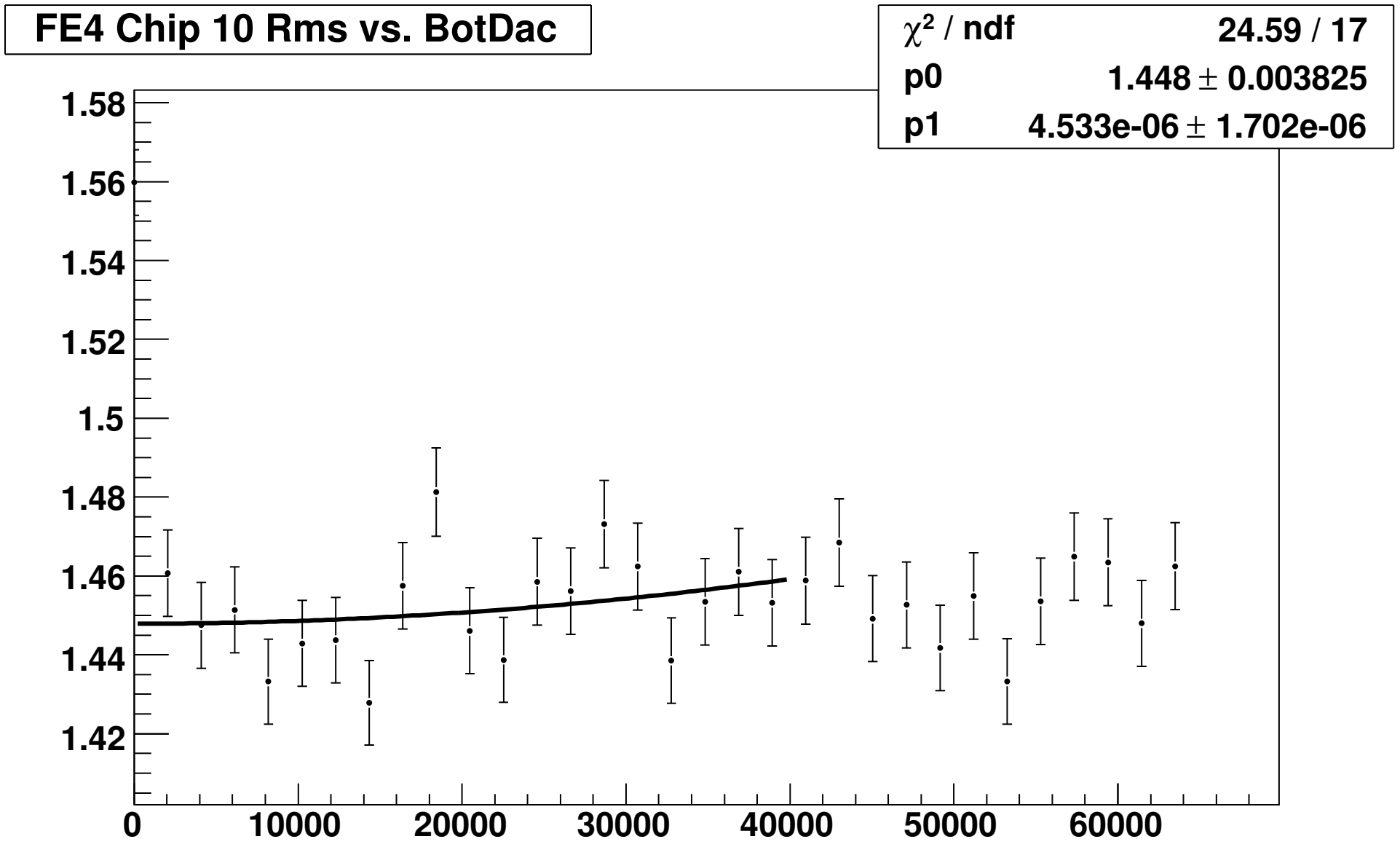
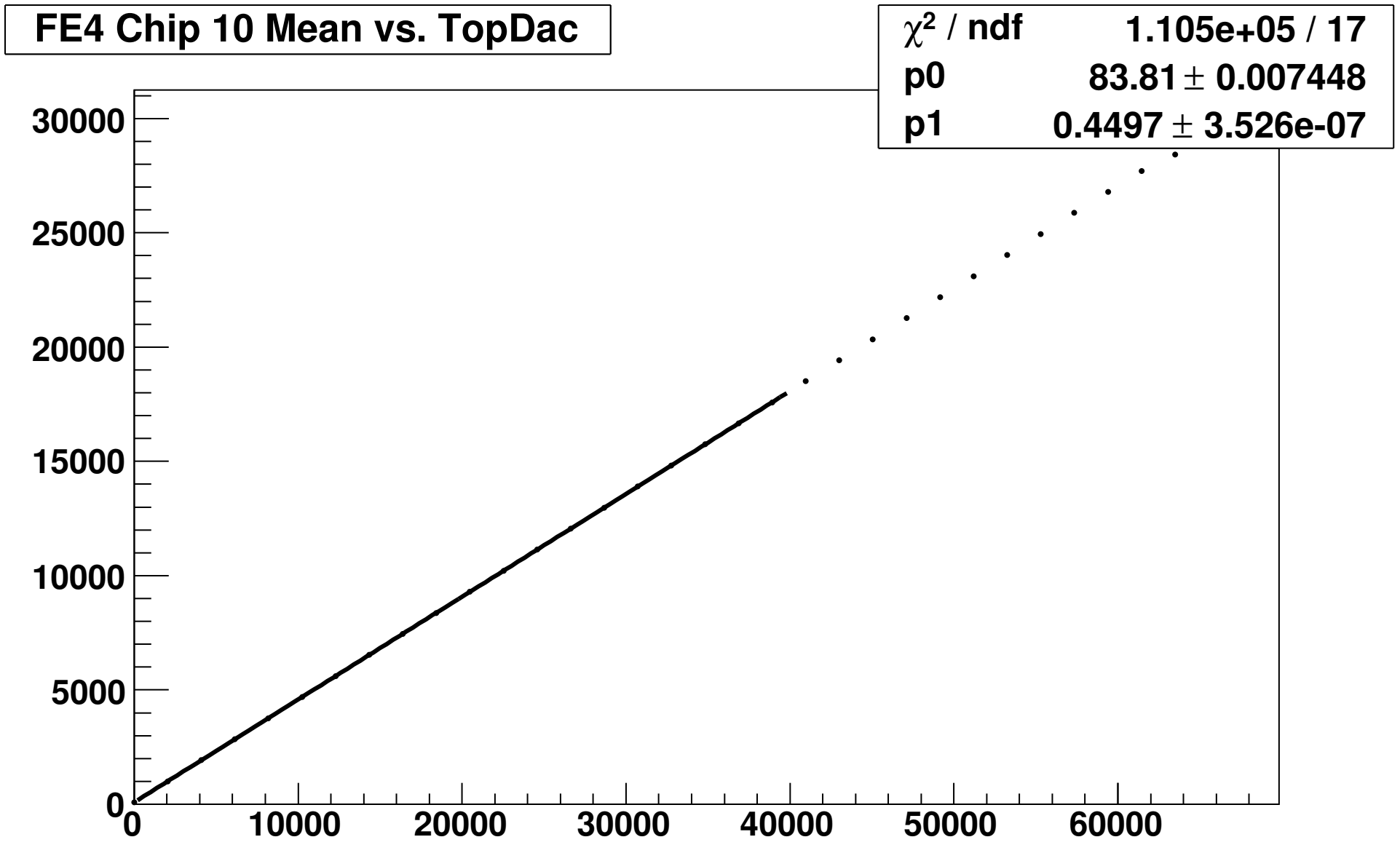
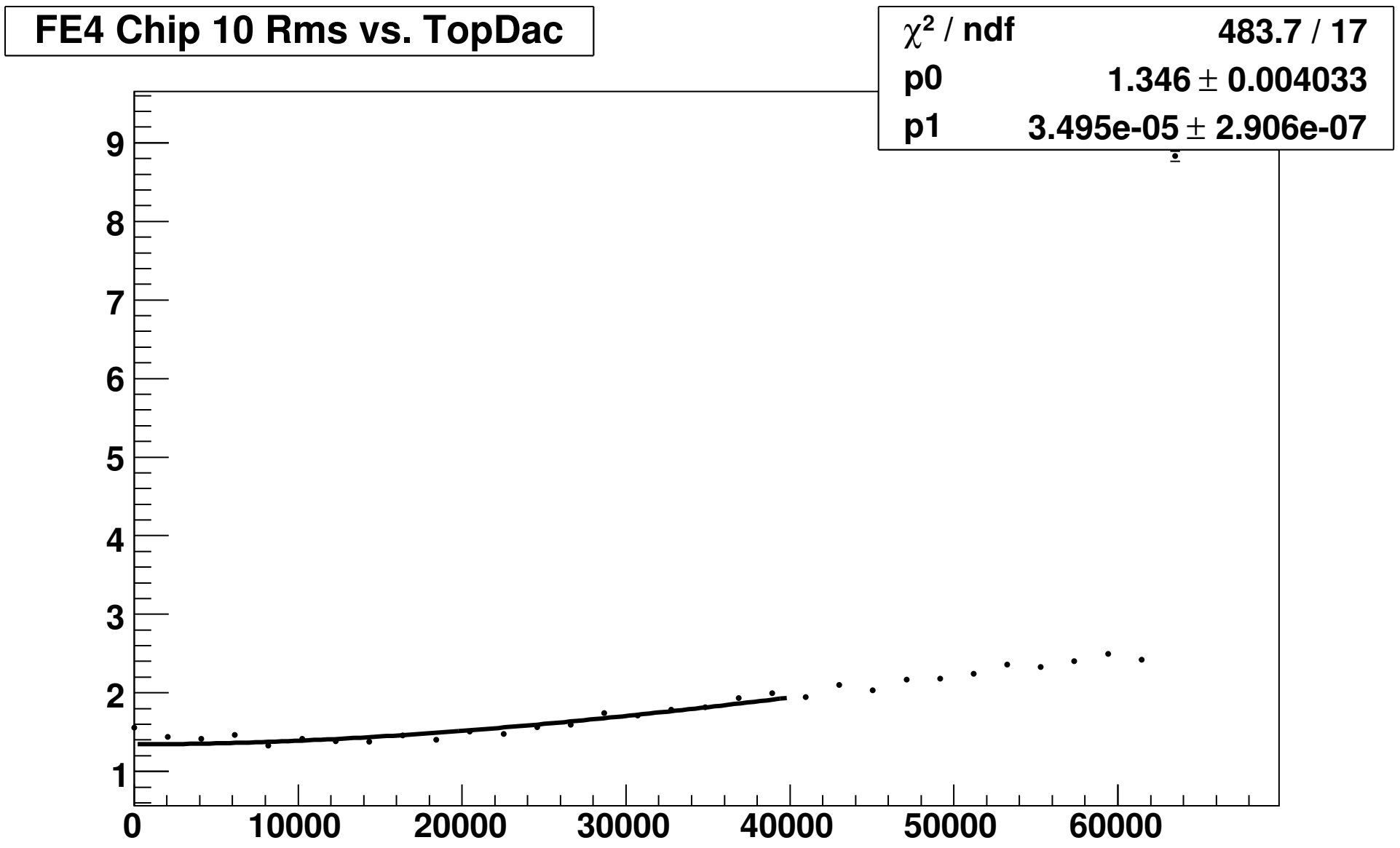
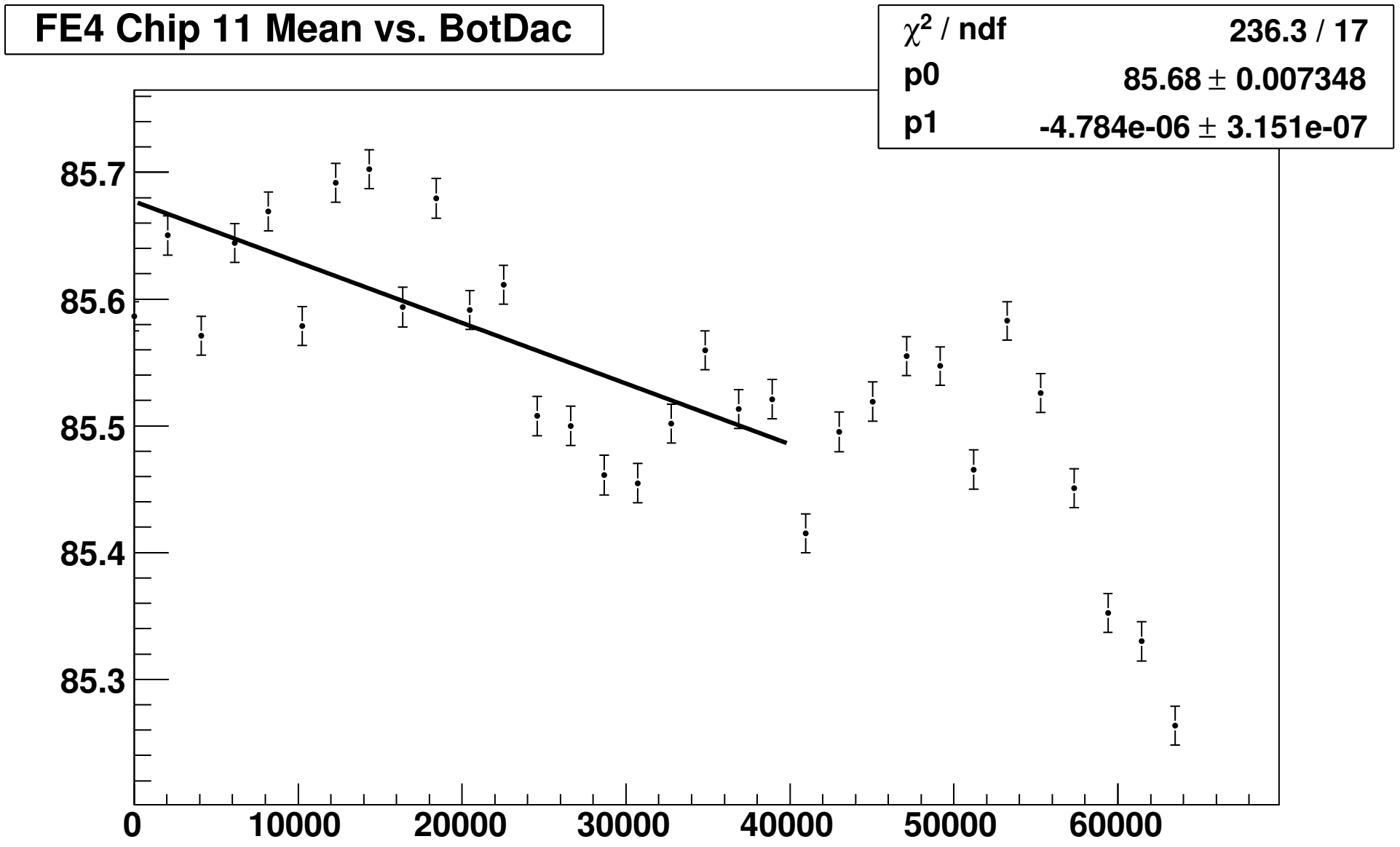
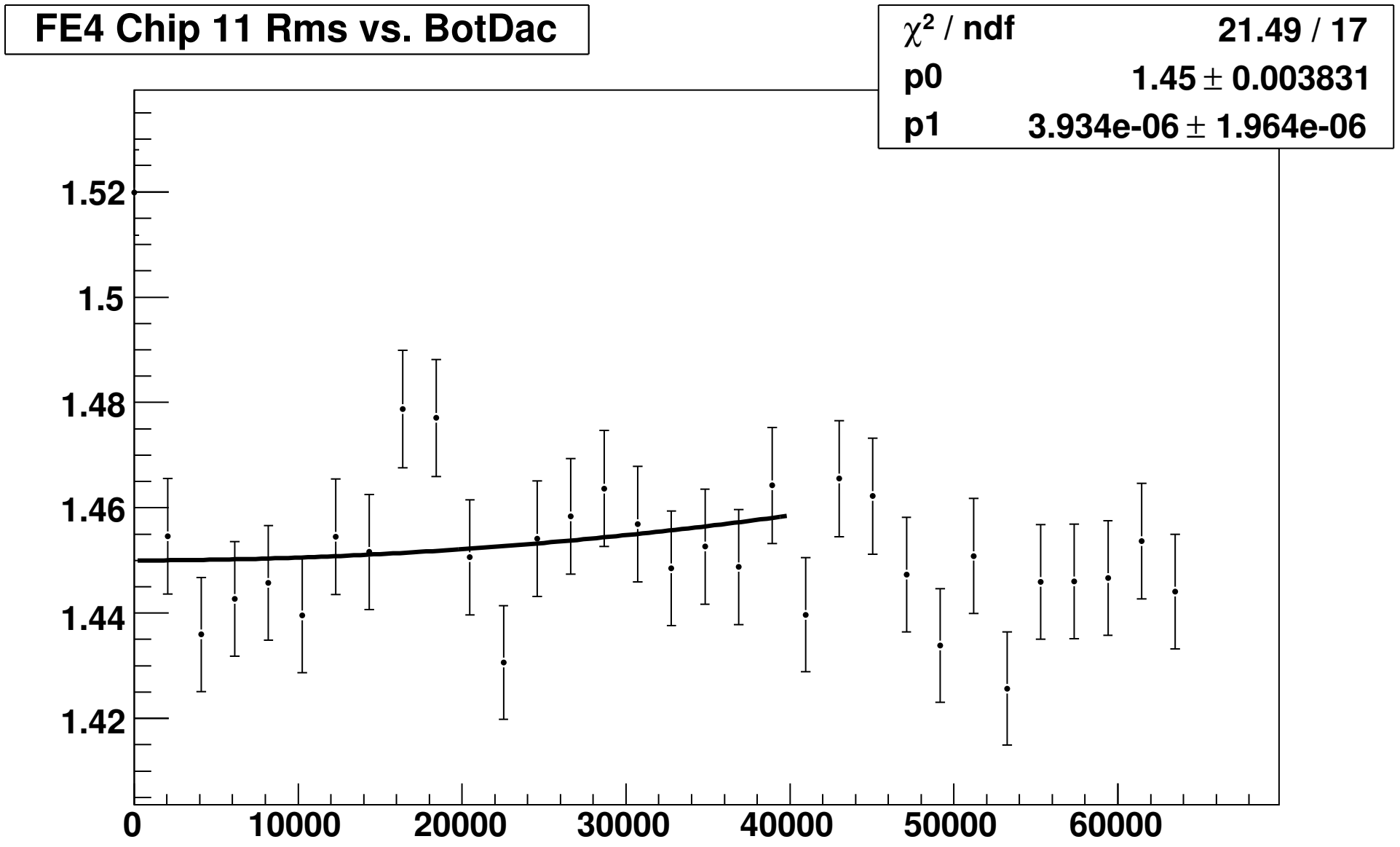
50000
60000

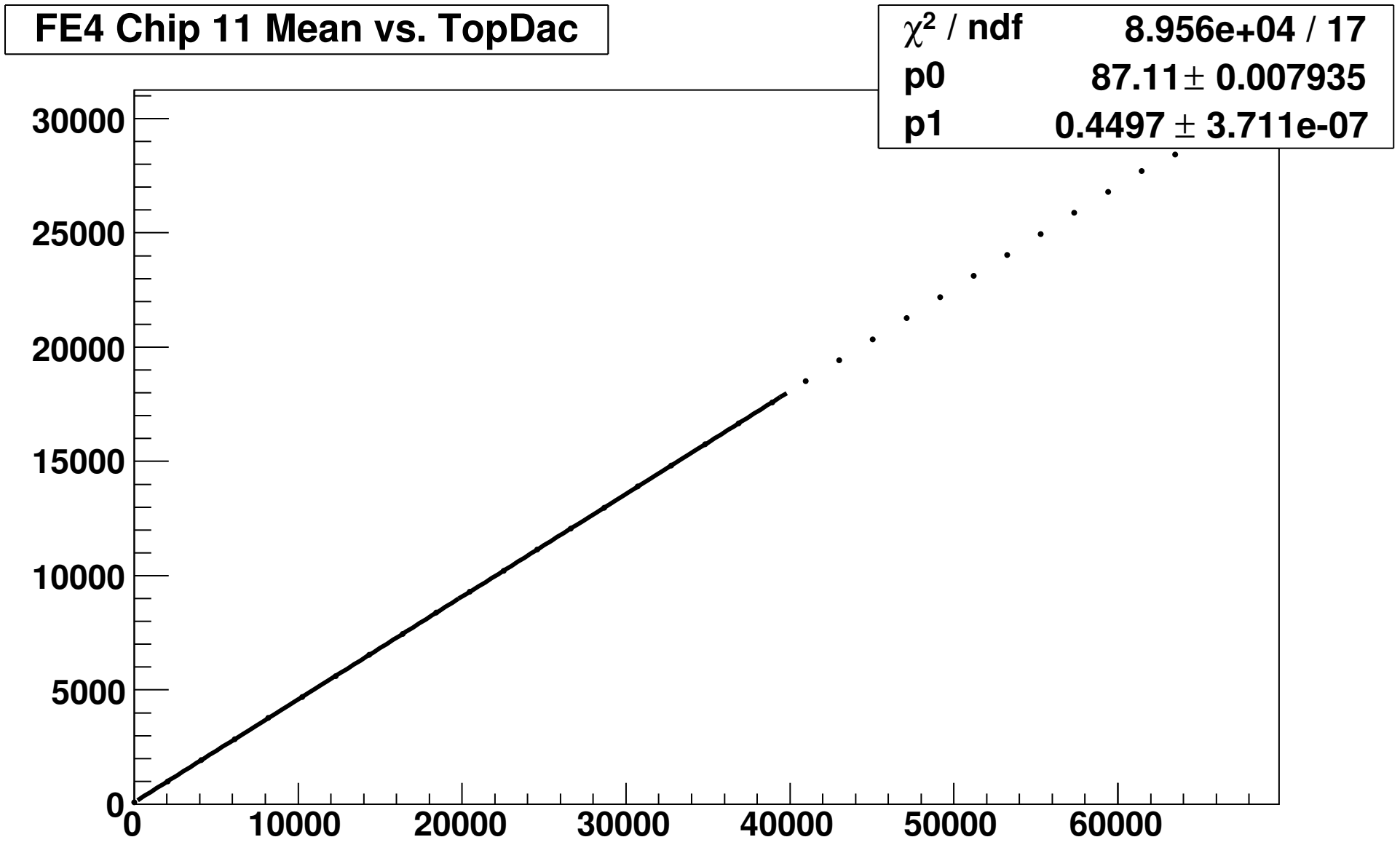

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 24.59 / 17
p0 1.448 ± 0.003825
p1 4.533e-06 ± 1.702e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

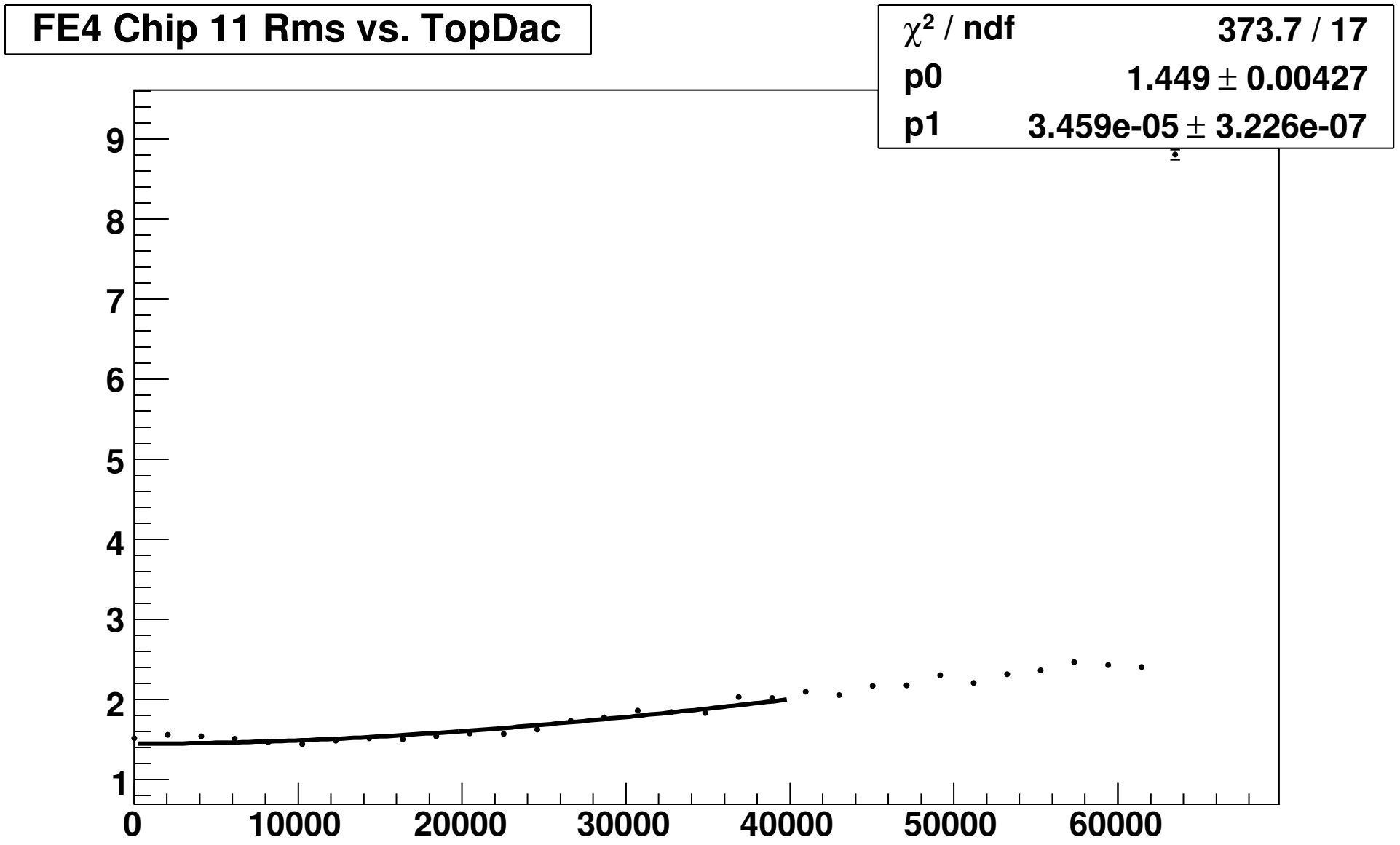

FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.105e+05 / 17
p0 83.81 ± 0.007448
p1 0.4497 ± 3.526e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

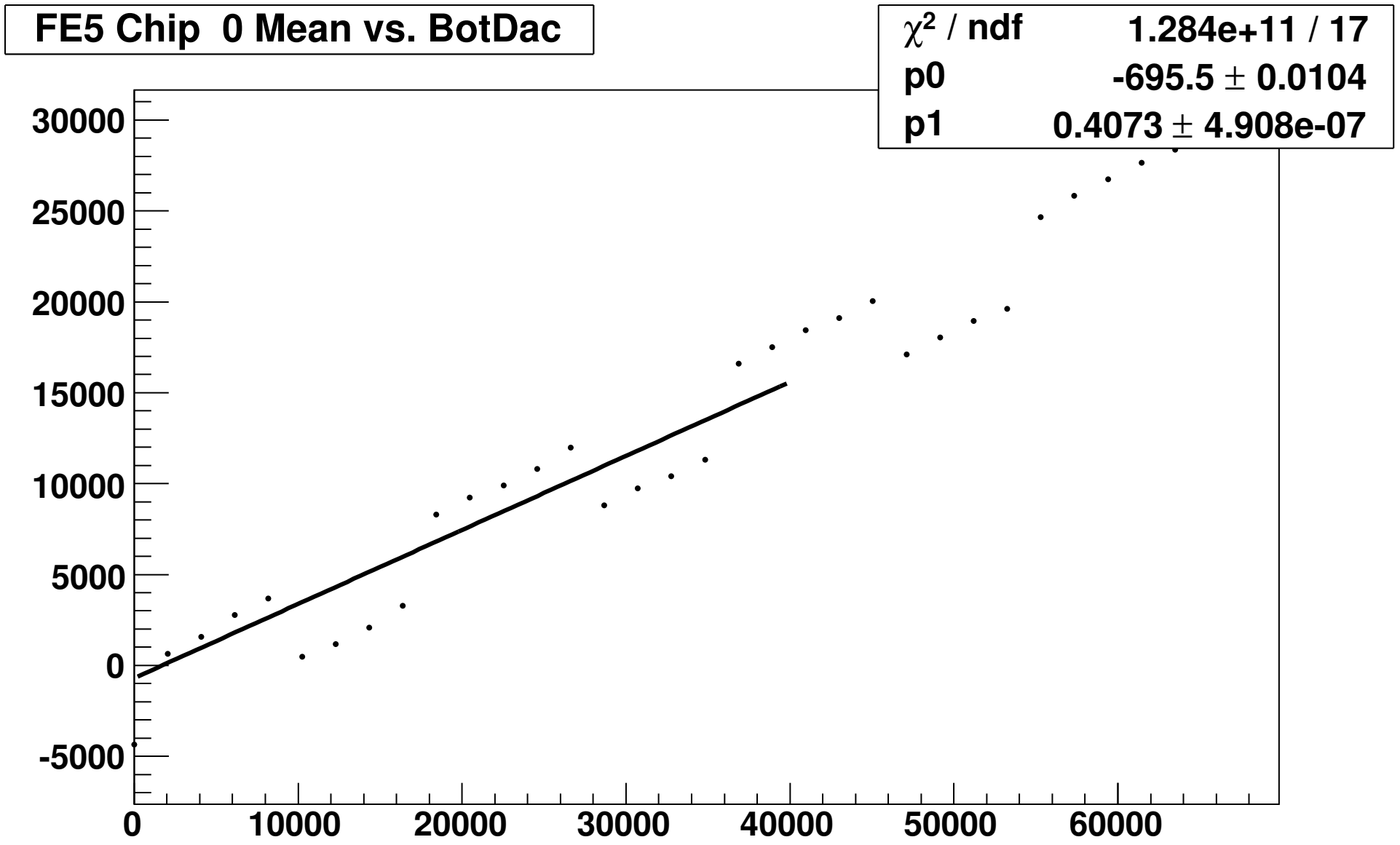

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 483.7 / 17
p0 1.346 ± 0.004033
p1 3.495e-05 ± 2.906e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

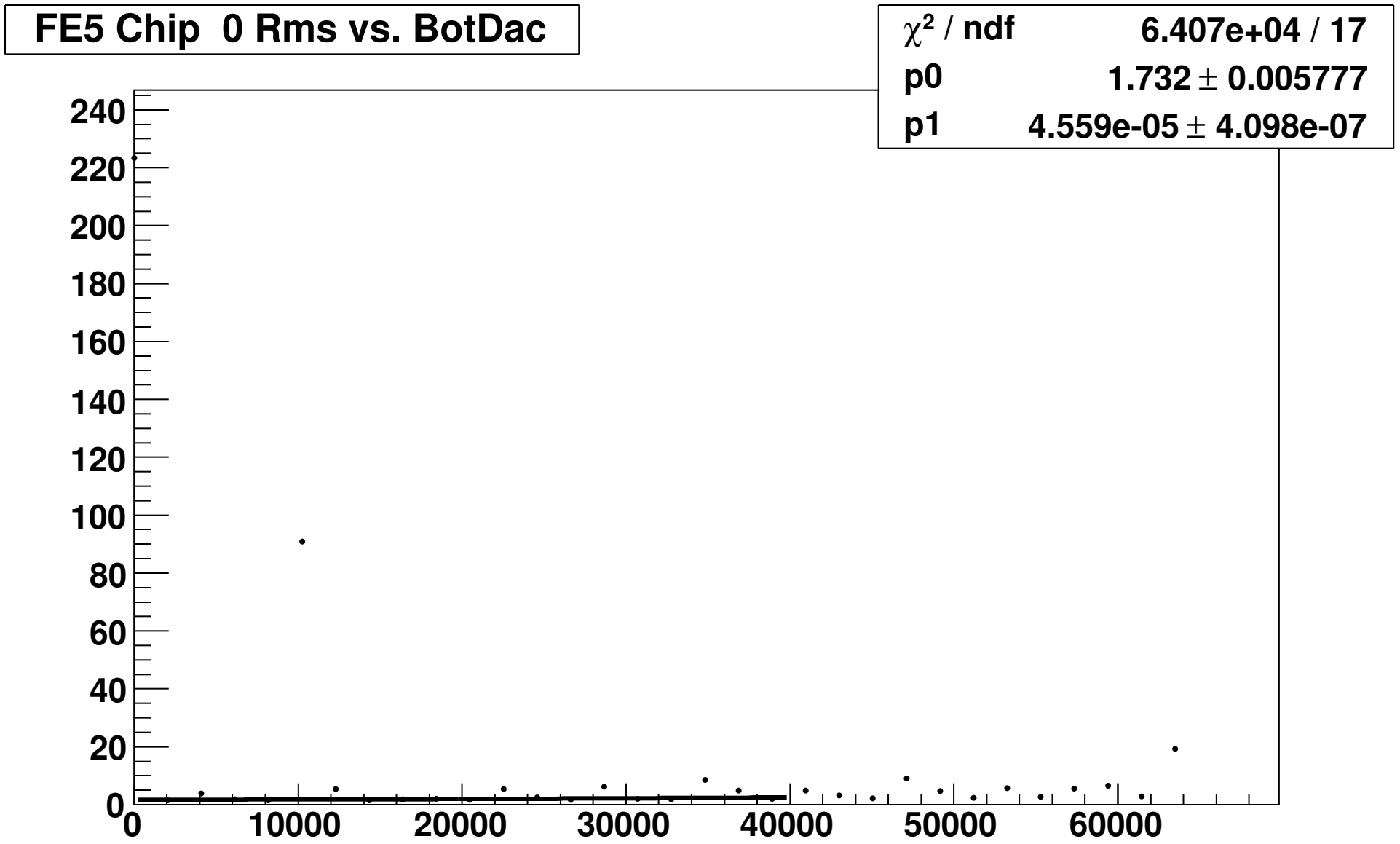

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 236.3 / 17
p0 85.68 ± 0.007348
p1 -4.784e-06 ± 3.151e-07
85.7
85.6
85.5
85.4
85.3
0
10000
20000
30000
40000
50000
60000

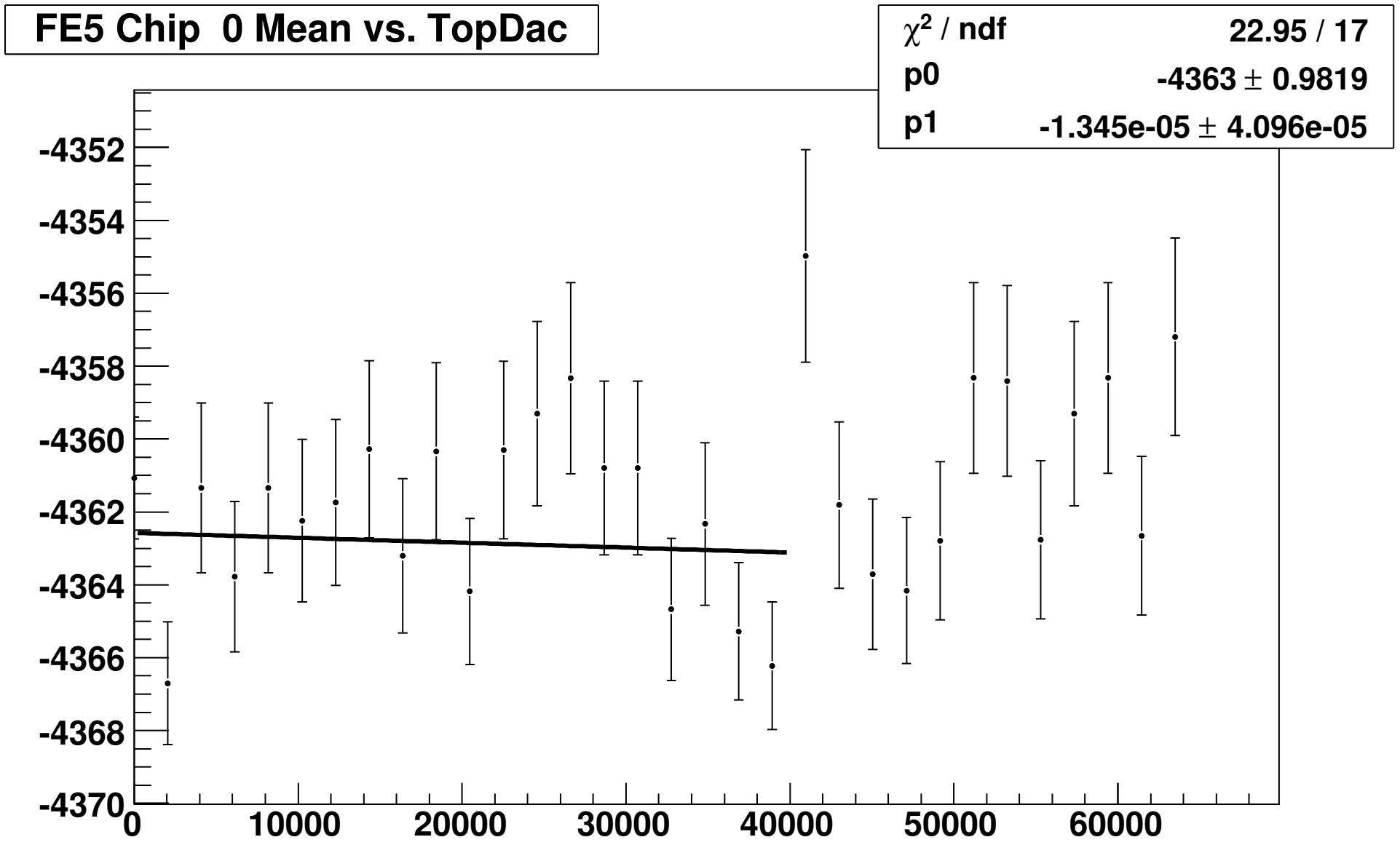

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 21.49 / 17
p0 1.45 ± 0.003831
p1 3.934e-06 ± 1.964e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

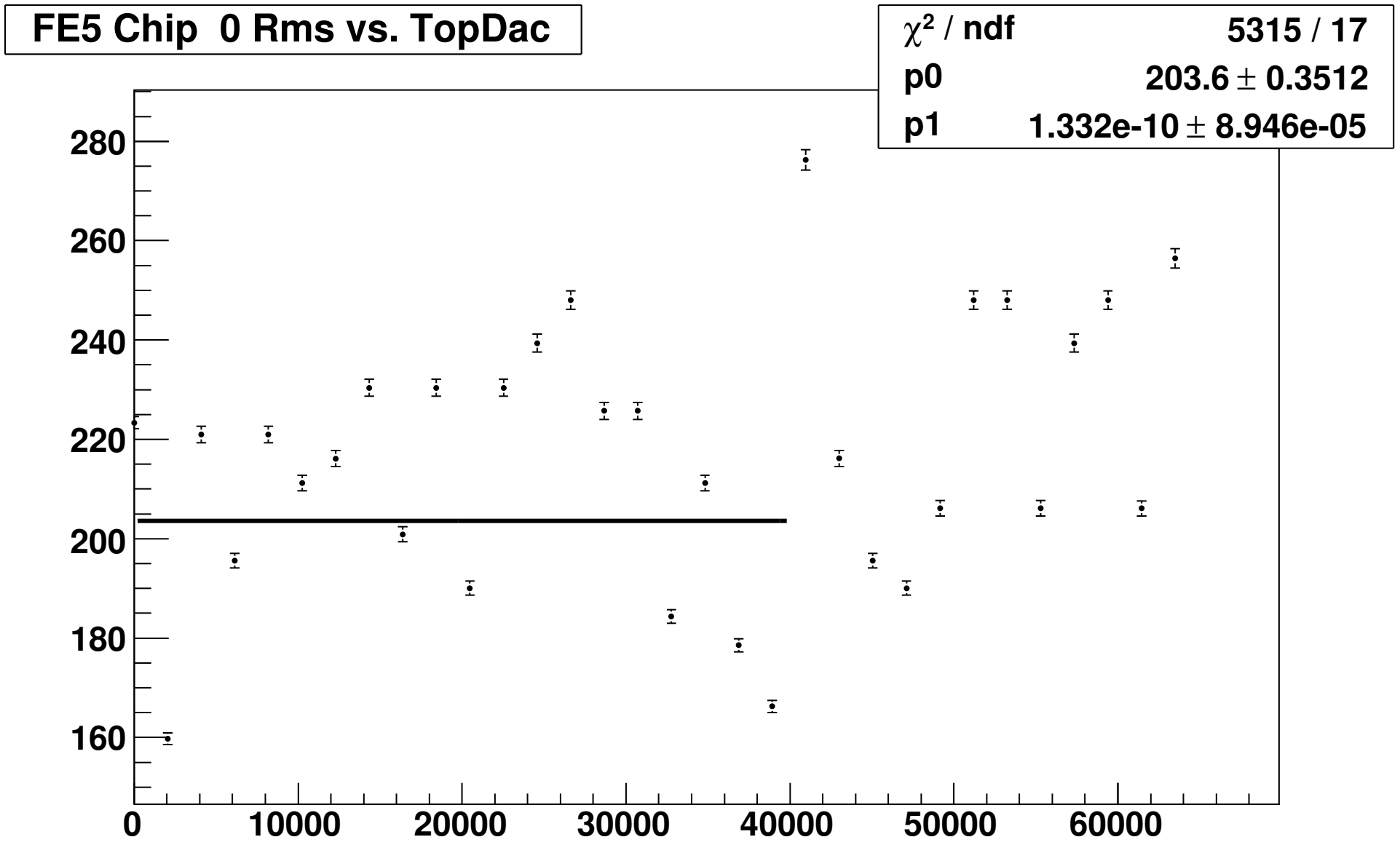

FE4 Chip 11 Mean vs. TopDac
χ² / ndf 8.956e+04 / 17
p0 87.11 ± 0.007935
p1 0.4497 ± 3.711e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

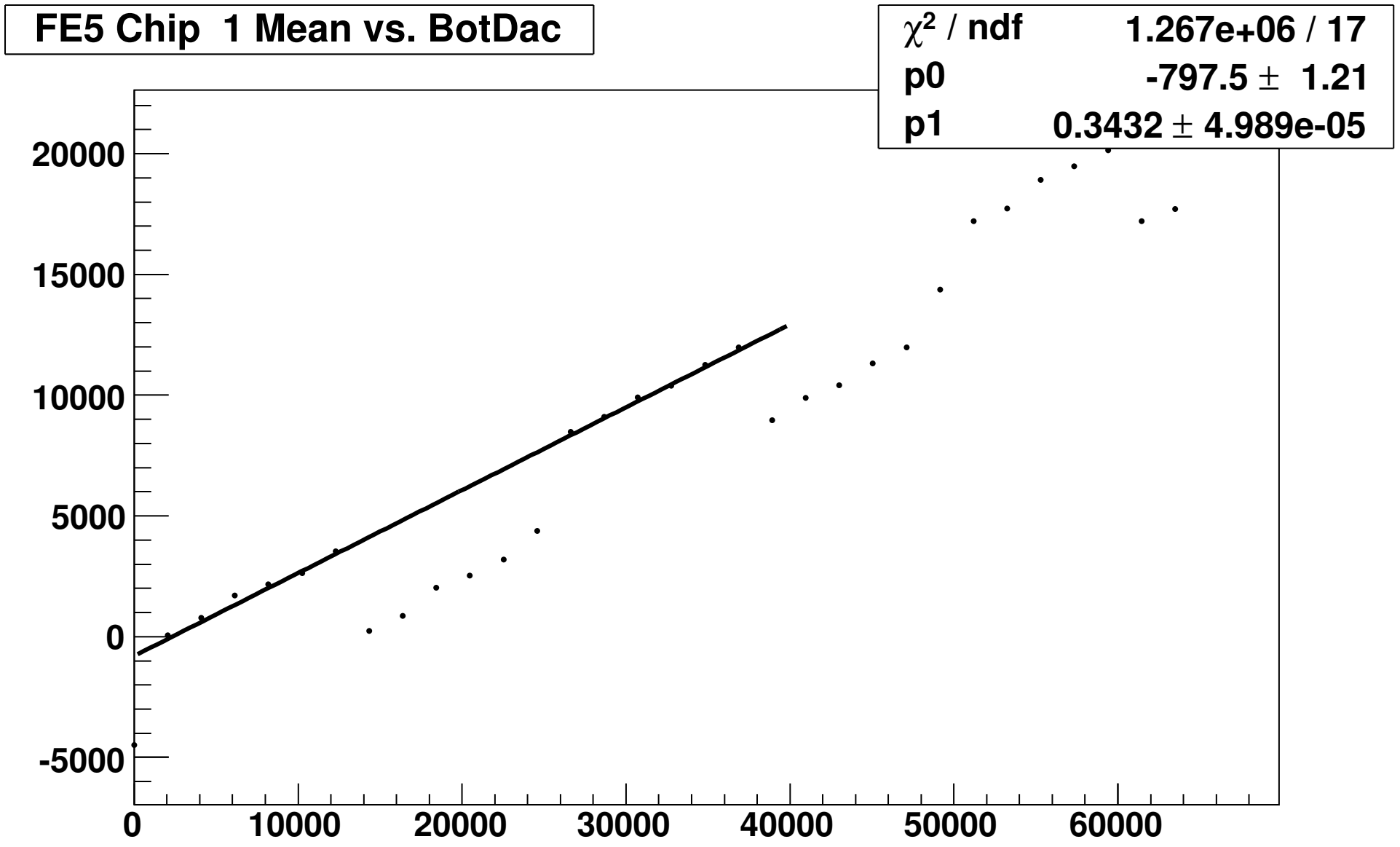

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 373.7 / 17
p0 1.449 ± 0.00427
p1 3.459e-05 ± 3.226e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

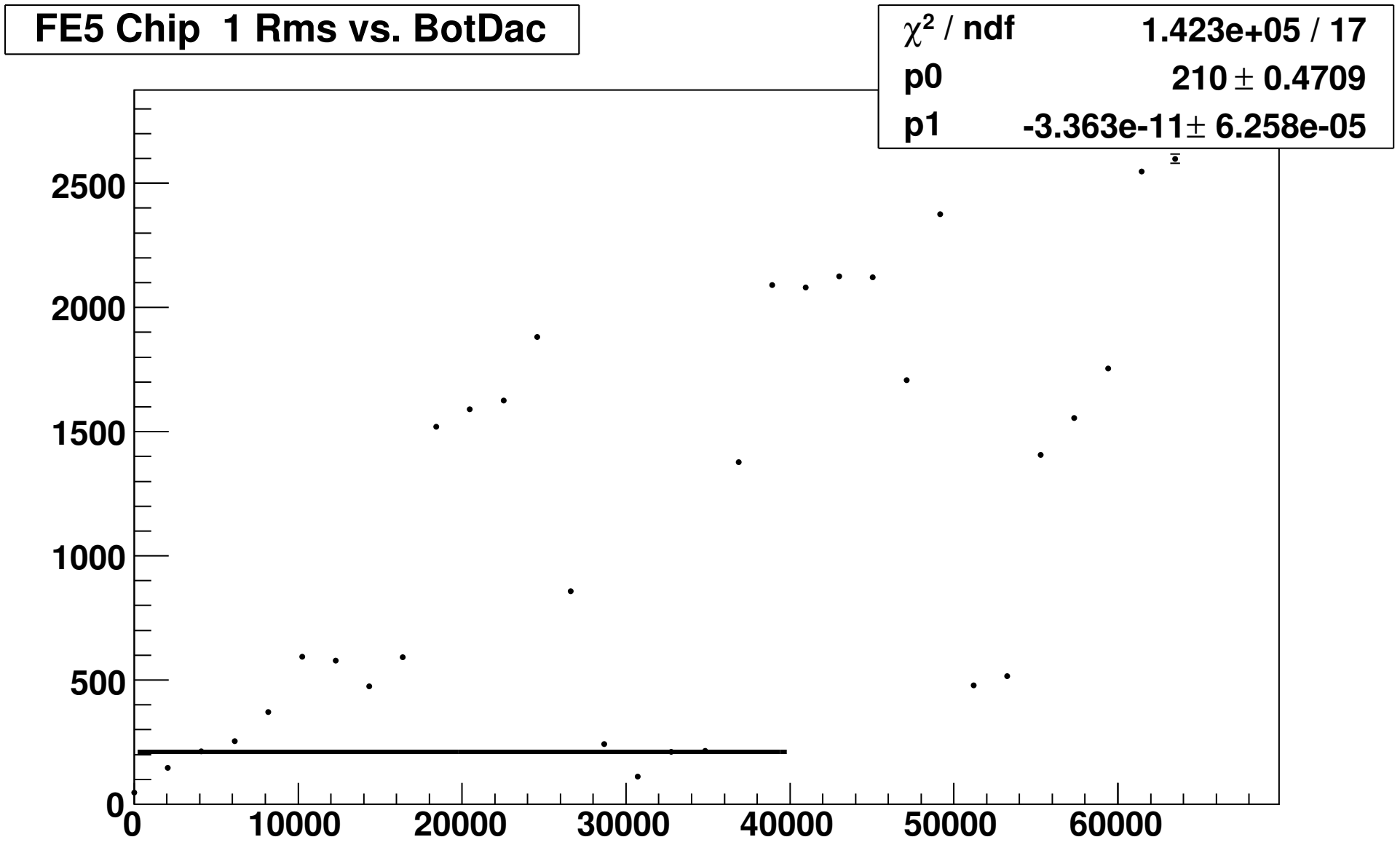

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.284e+11 / 17
p0 -695.5 ± 0.0104
p1 0.4073 ± 4.908e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

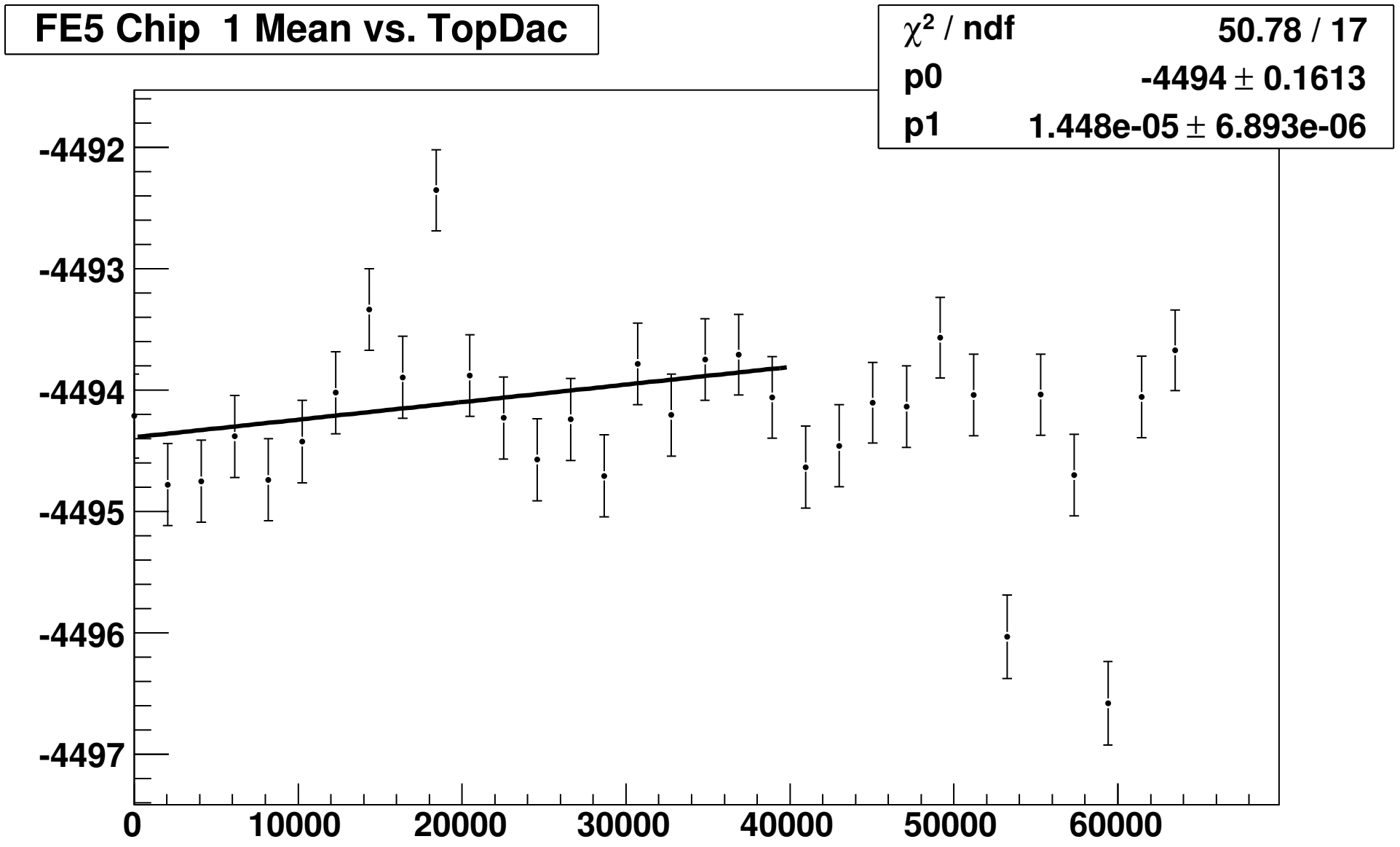

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 6.407e+04 / 17
p0 1.732 ± 0.005777
p1 4.559e-05 ± 4.098e-07
240
220
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

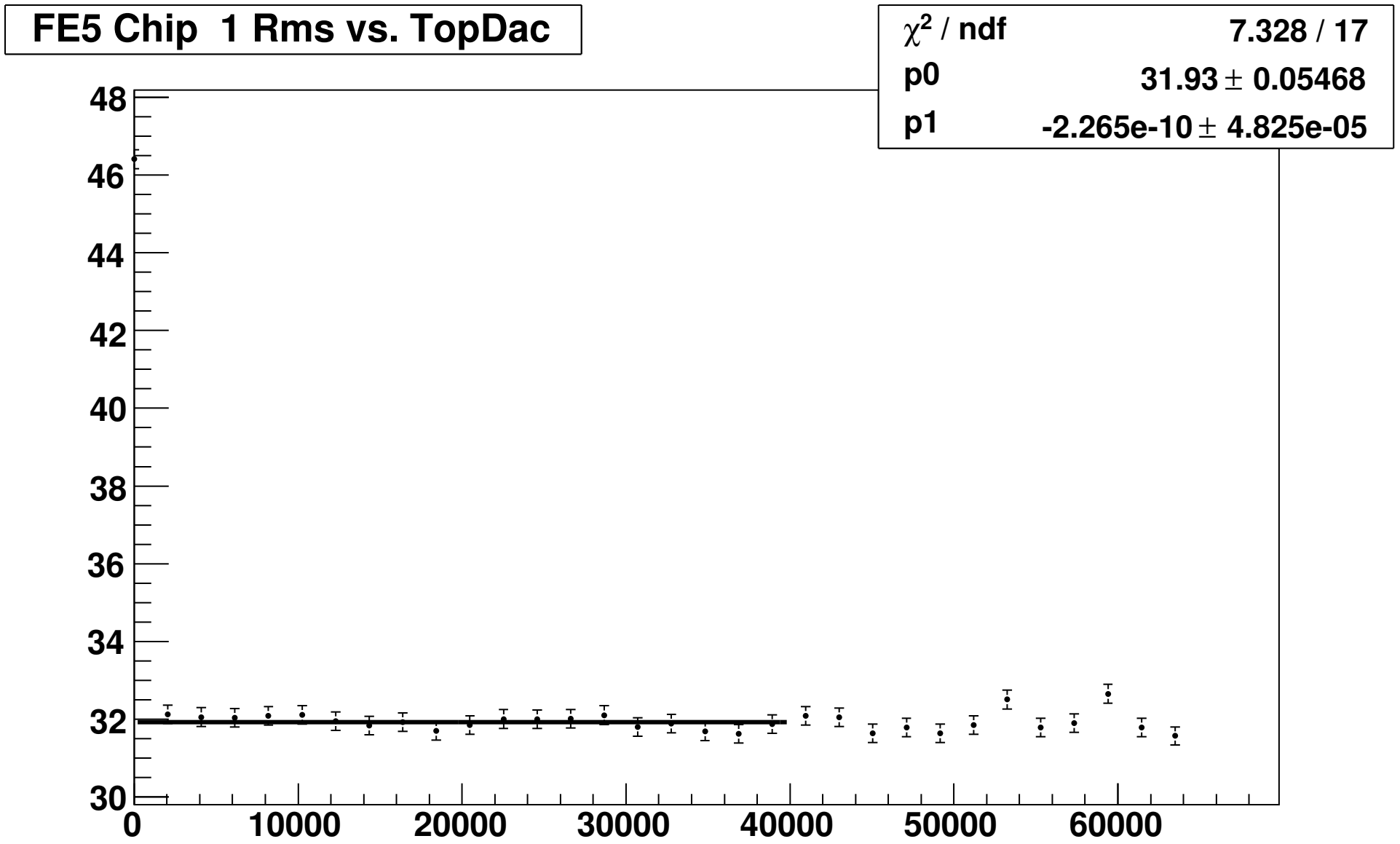

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 22.95 / 17
p0 -4363 ± 0.9819
p1 -1.345e-05 ± 4.096e-05
-4352
-4354
-4356
-4358
-4360
-4362
-4364
-4366
-4368
-4370
0
10000
20000
30000
40000
50000
60000

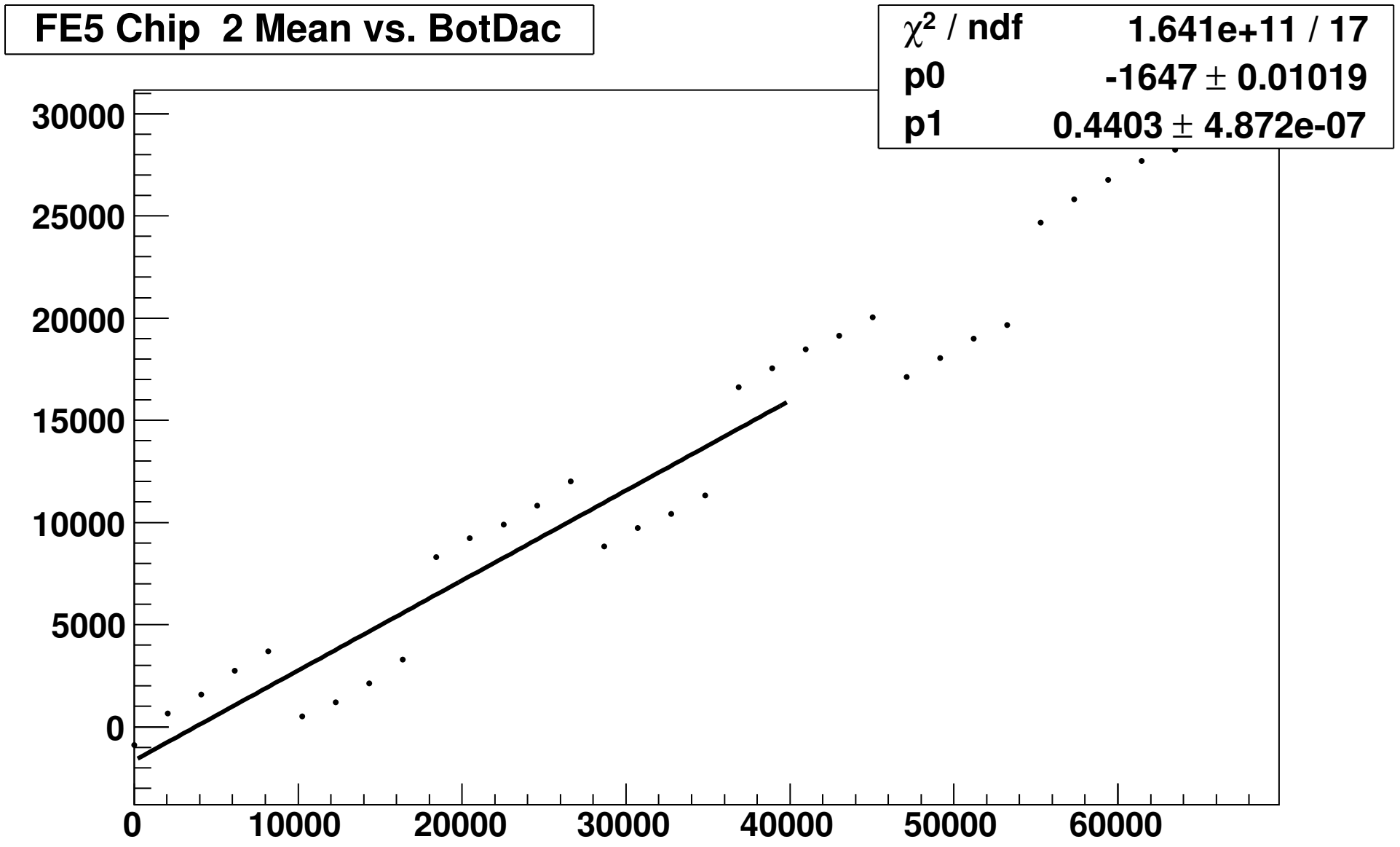

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 5315 / 17
p0 203.6 ± 0.3512
p1 1.332e-10 ± 8.946e-05
280
260
240
220
200
180
160
0
10000
20000
30000
40000
50000
60000

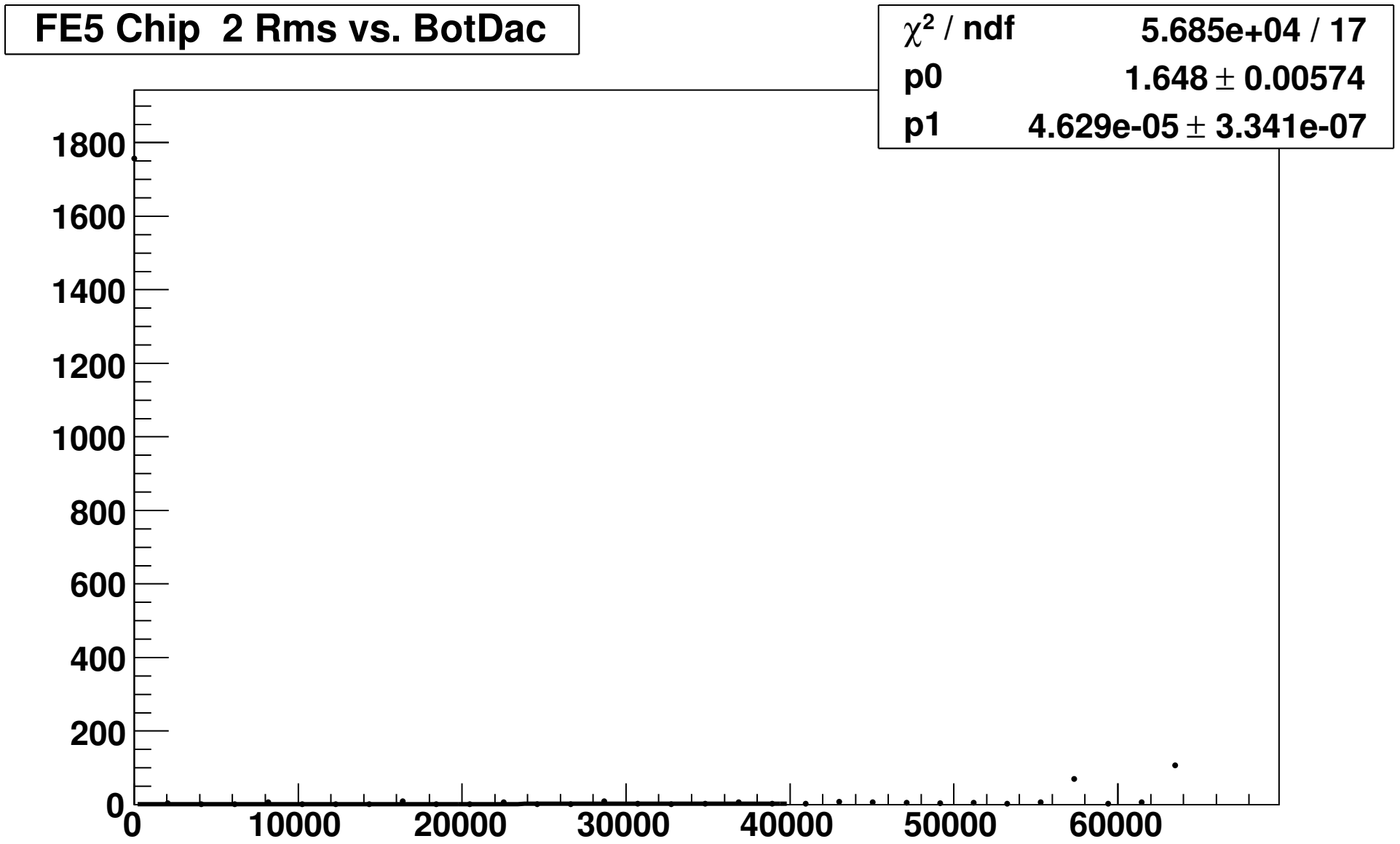

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.267e+06 / 17
p0 -797.5 ± 1.21
p1 0.3432 ± 4.989e-05
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

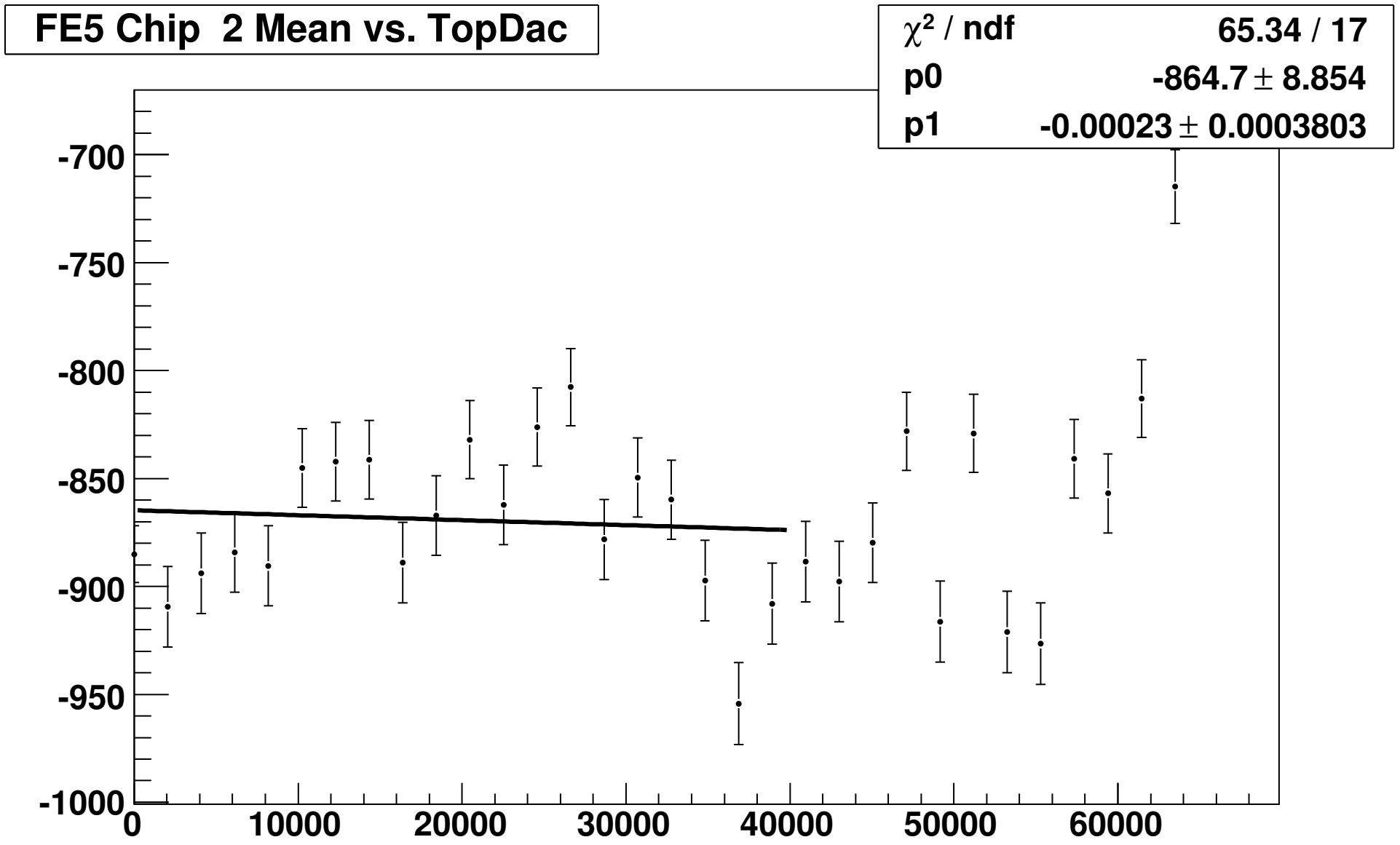

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 1.423e+05 / 17
p0 210 ± 0.4709
p1 -3.363e-11 ± 6.258e-05
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000

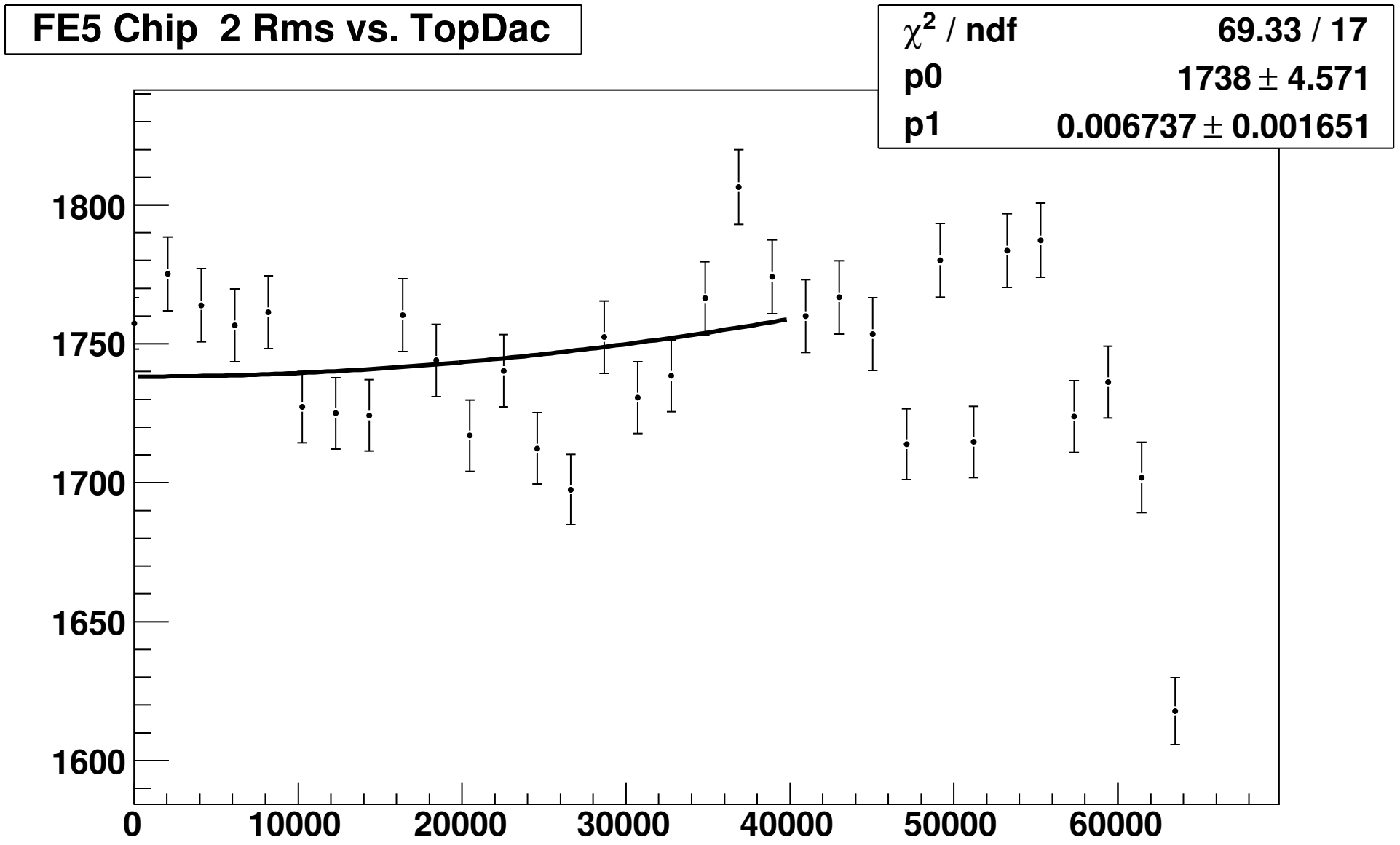

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 50.78 / 17
p0 -4494 ± 0.1613
p1 1.448e-05 ± 6.893e-06
-4492
-4493
-4494
-4495
-4496
-4497
0
10000
20000
30000
40000
50000
60000

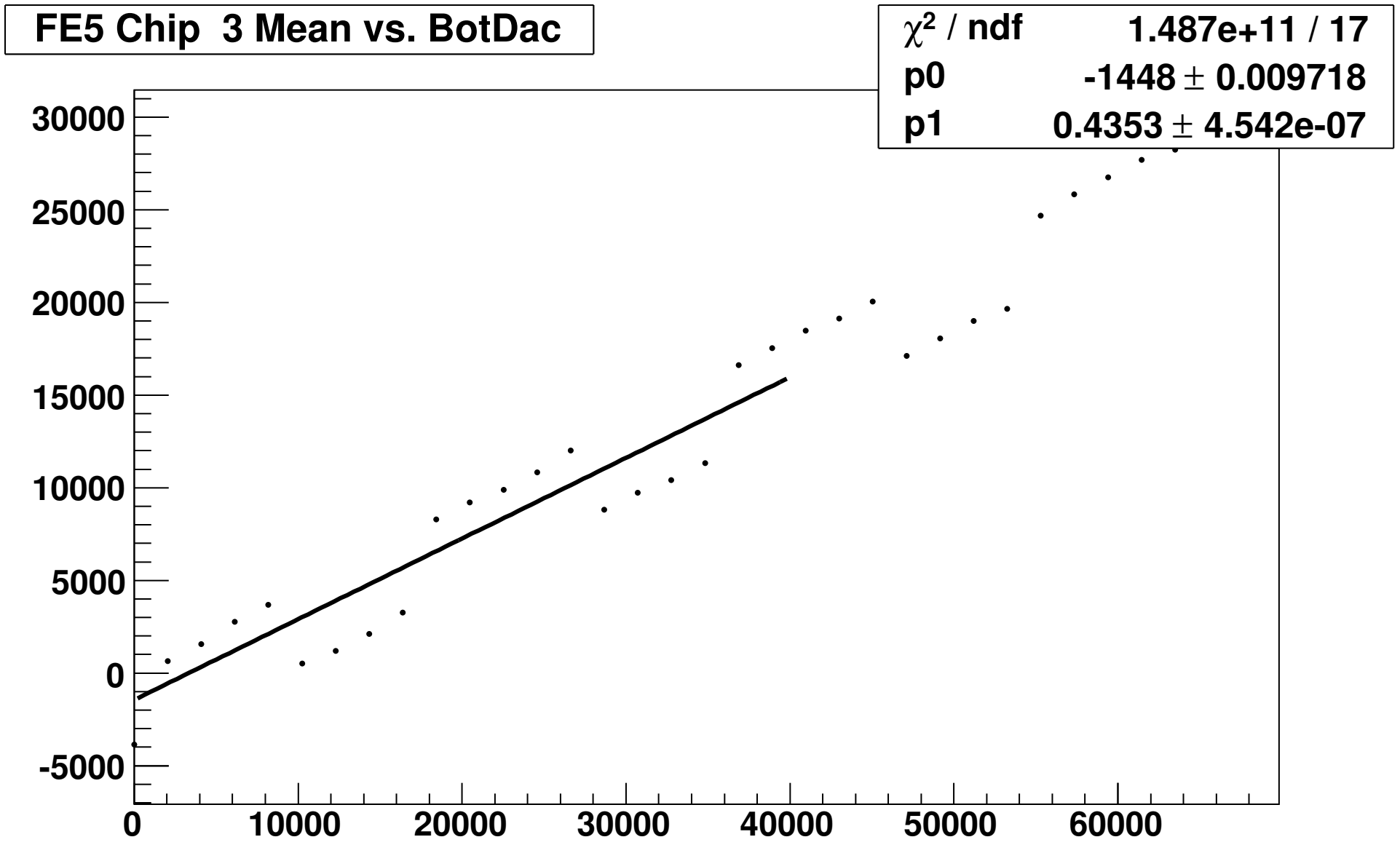

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 7.328 / 17
p0 31.93 ± 0.05468
p1 -2.265e-10 ± 4.825e-05
48
46
44
42
40
38
36
34
32
30
0
10000
20000
30000
40000
50000
60000

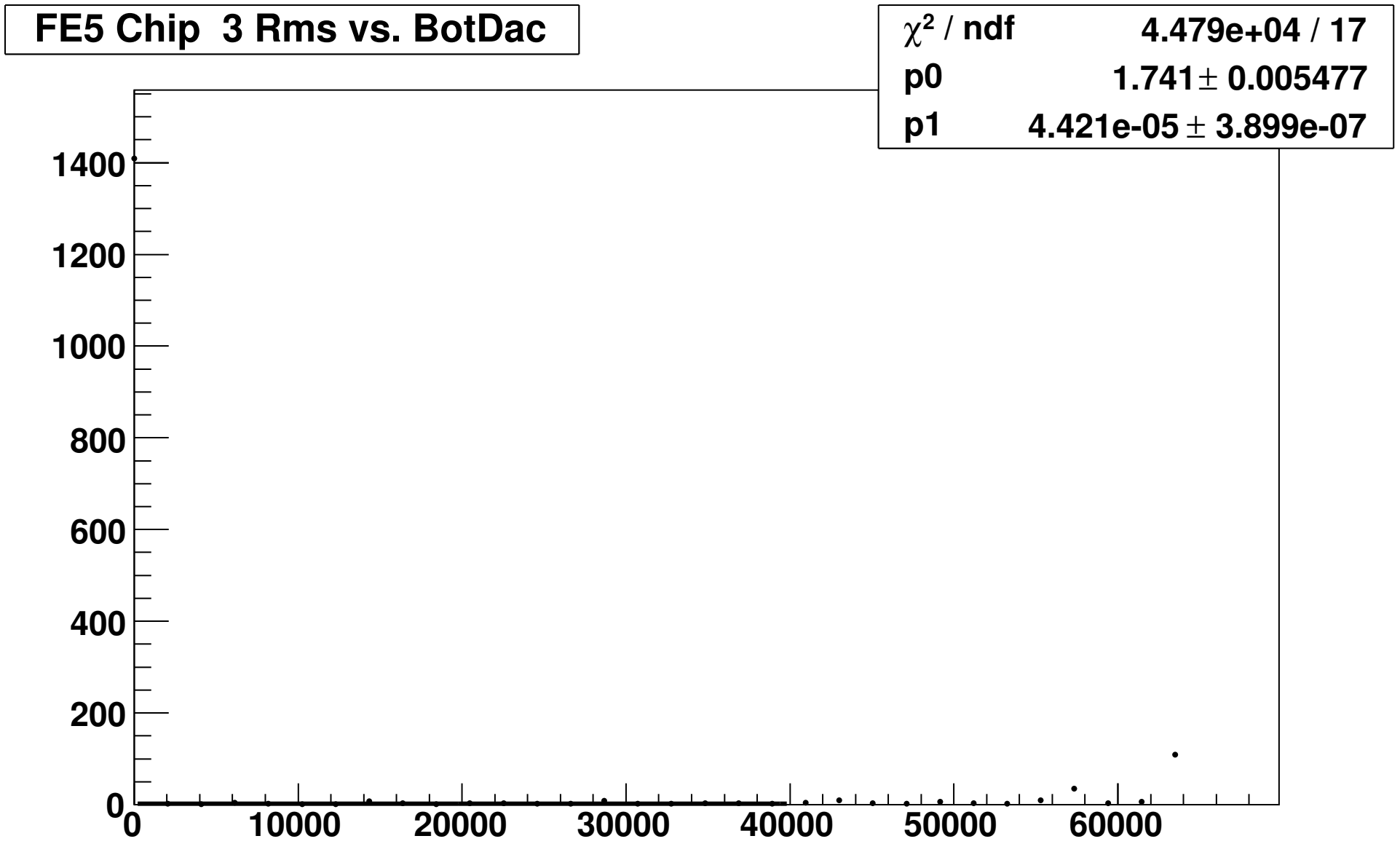

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.641e+11 / 17
p0 -1647 ± 0.01019
p1 0.4403 ± 4.872e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

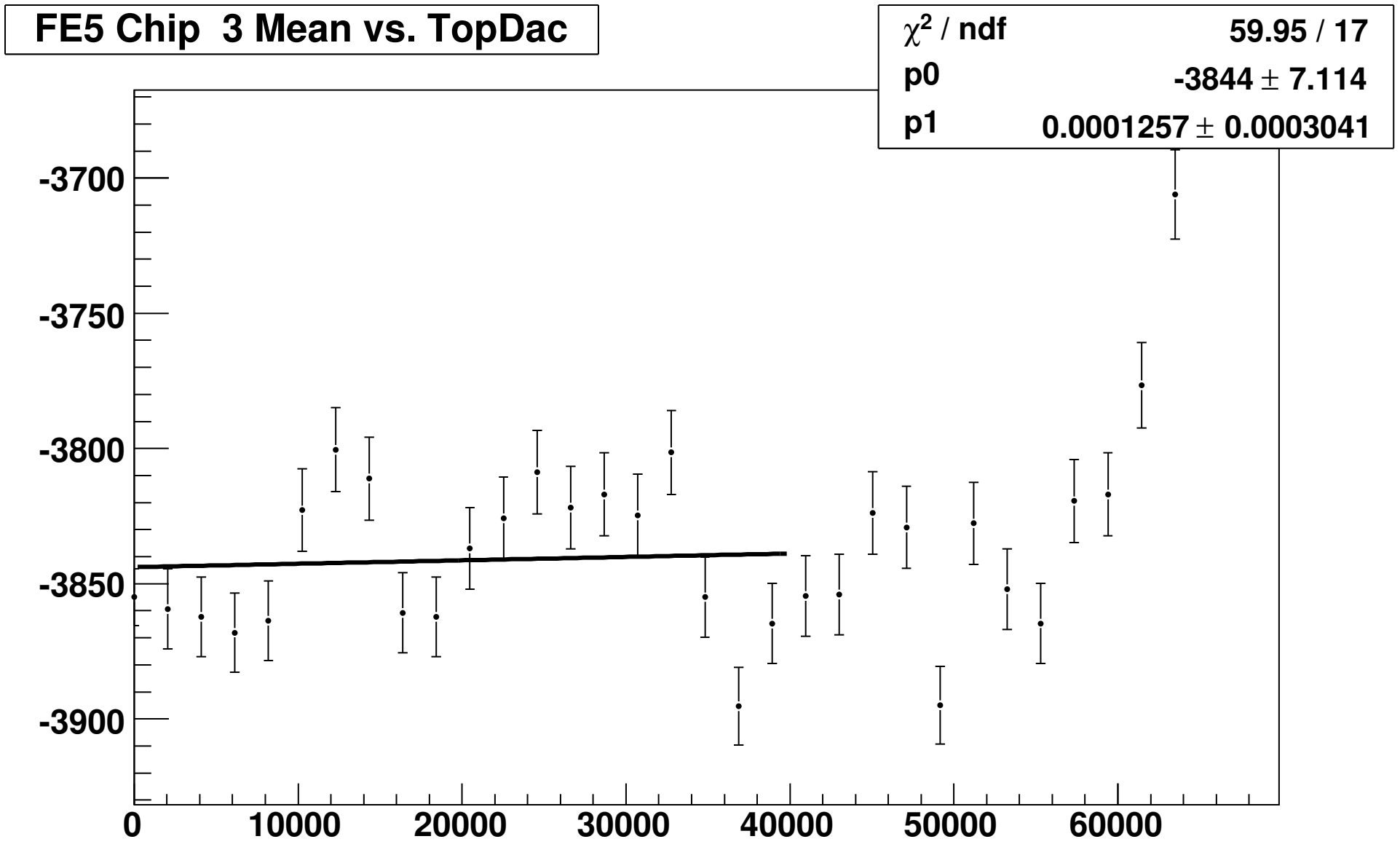

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 5.685e+04 / 17
p0 1.648 ± 0.00574
p1 4.629e-05 ± 3.341e-07
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

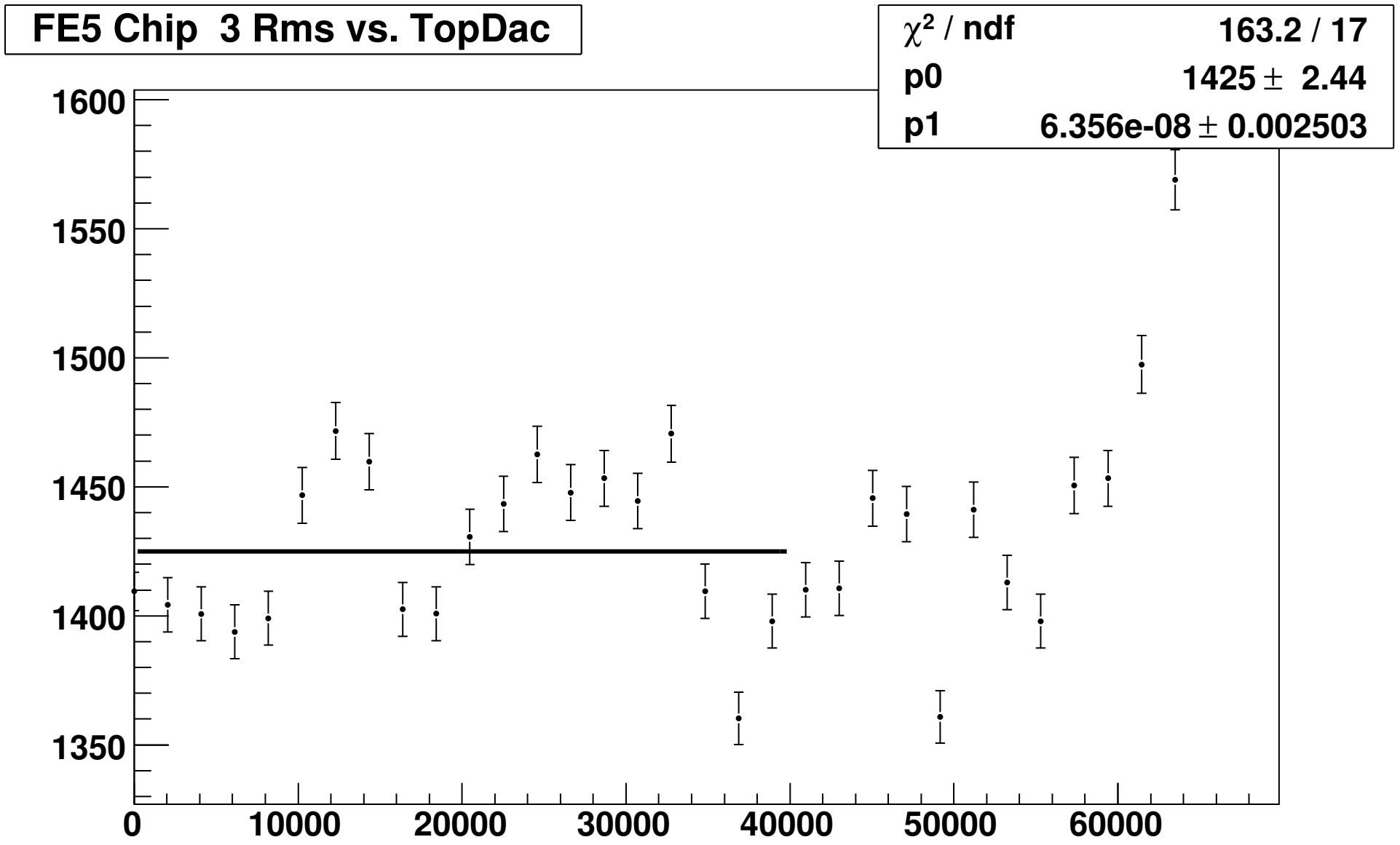

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 65.34 / 17
p0 -864.7 ± 8.854
p1 -0.00023 ± 0.0003803
-700
-750
-800
-850
-900
-950
-1000
0
10000
20000
30000
40000
50000
60000

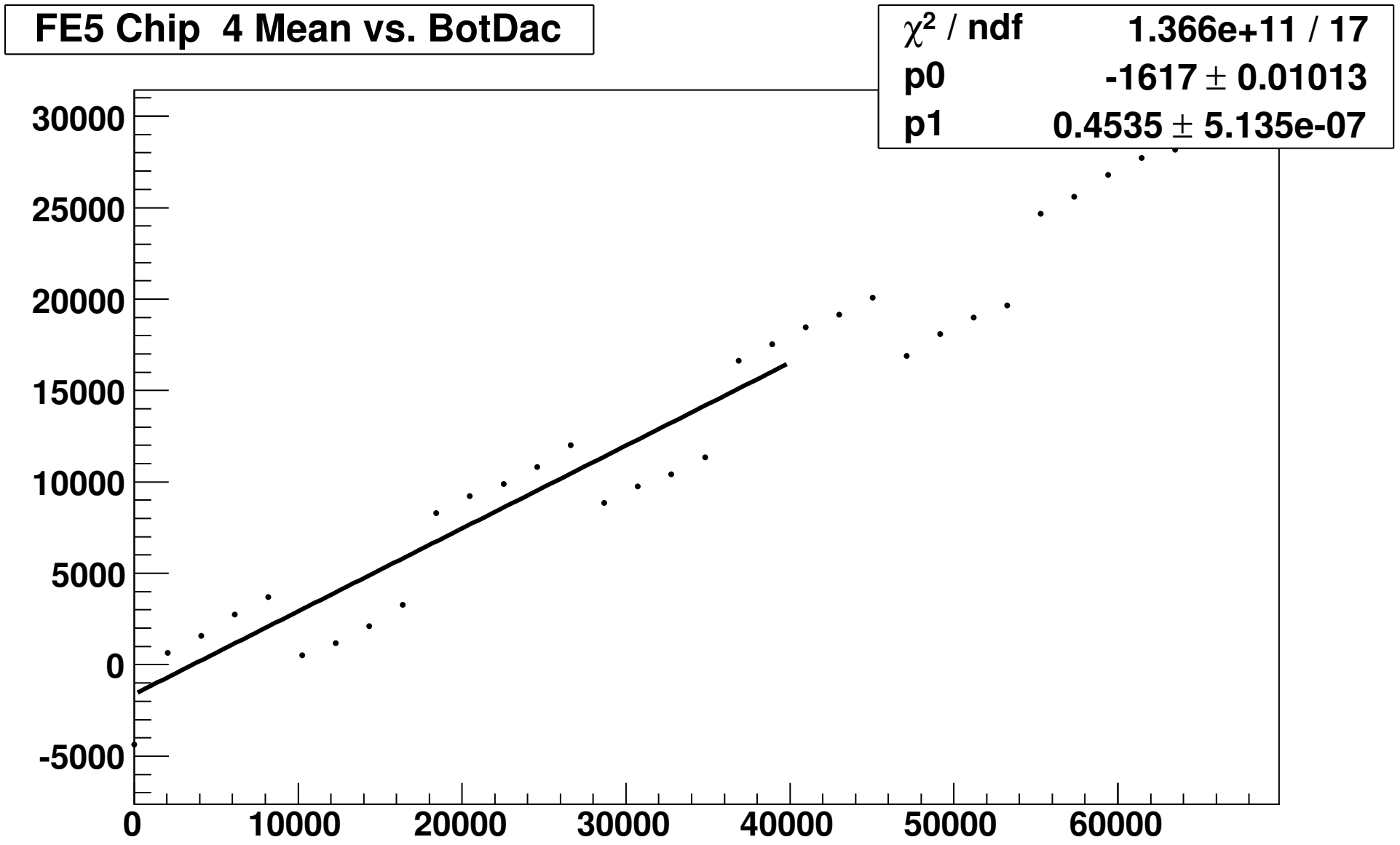

FE5 Chip 2 Rms vs. TopDac
χ^2 / ndf 69.33 / 17
p0 1738 ± 4.571
p1 0.006737 ± 0.001651
1800
1750
1700
1650
1600
0
10000
20000
30000
40000
50000
60000

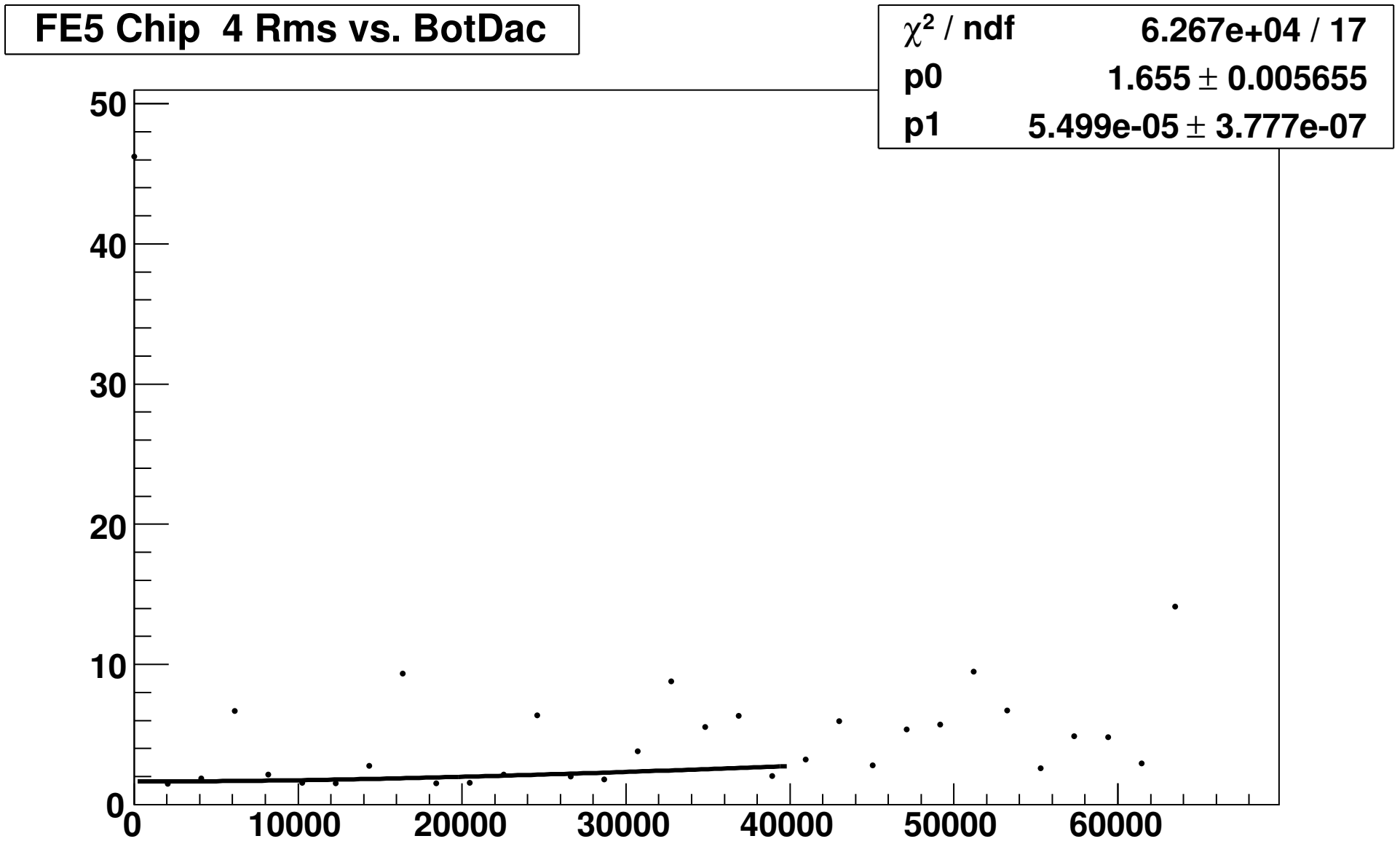

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.487e+11 / 17
p0 -1448 ± 0.009718
p1 0.4353 ± 4.542e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

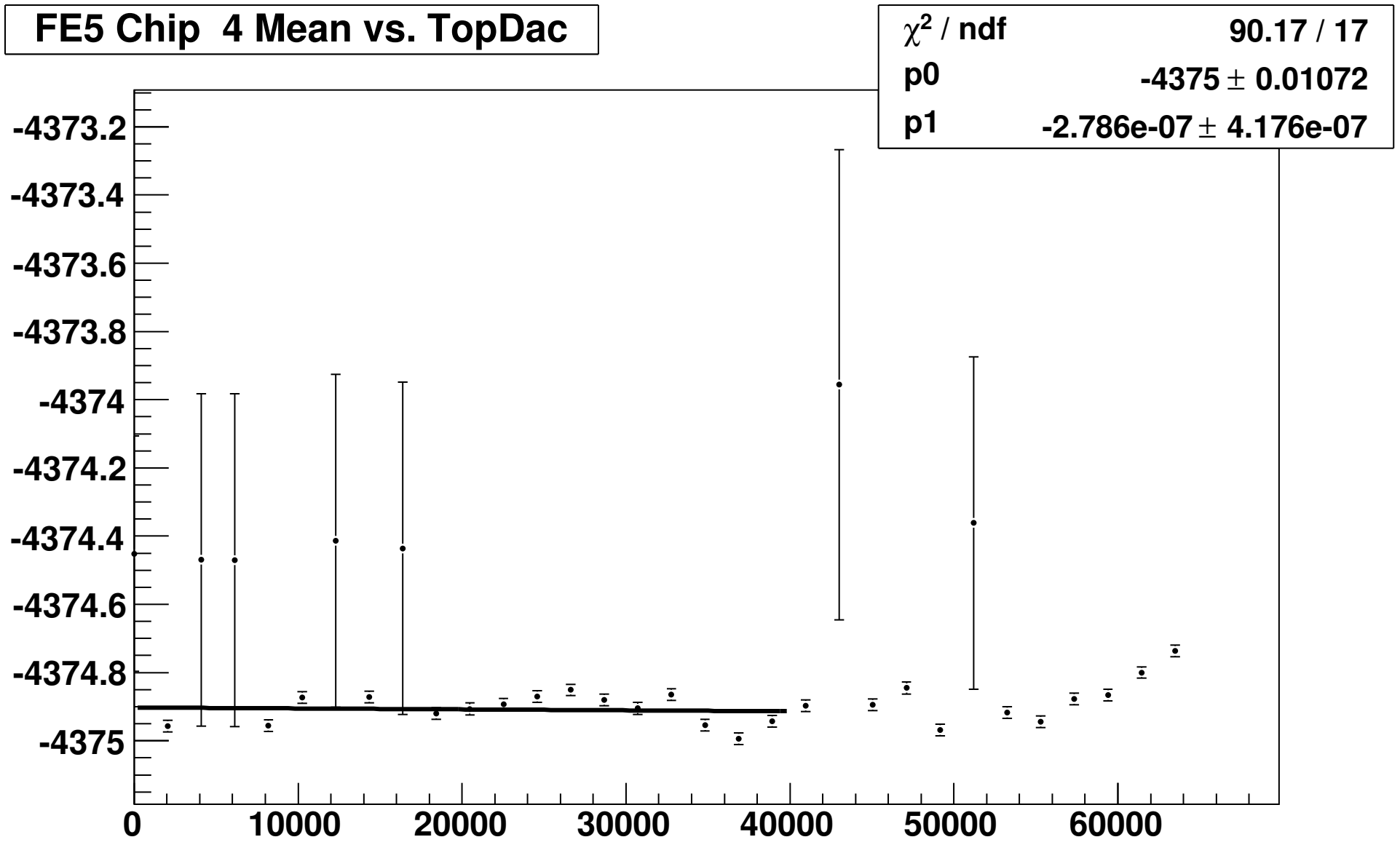

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 4.479e+04 / 17
p0 1.741 ± 0.005477
p1 4.421e-05 ± 3.899e-07
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

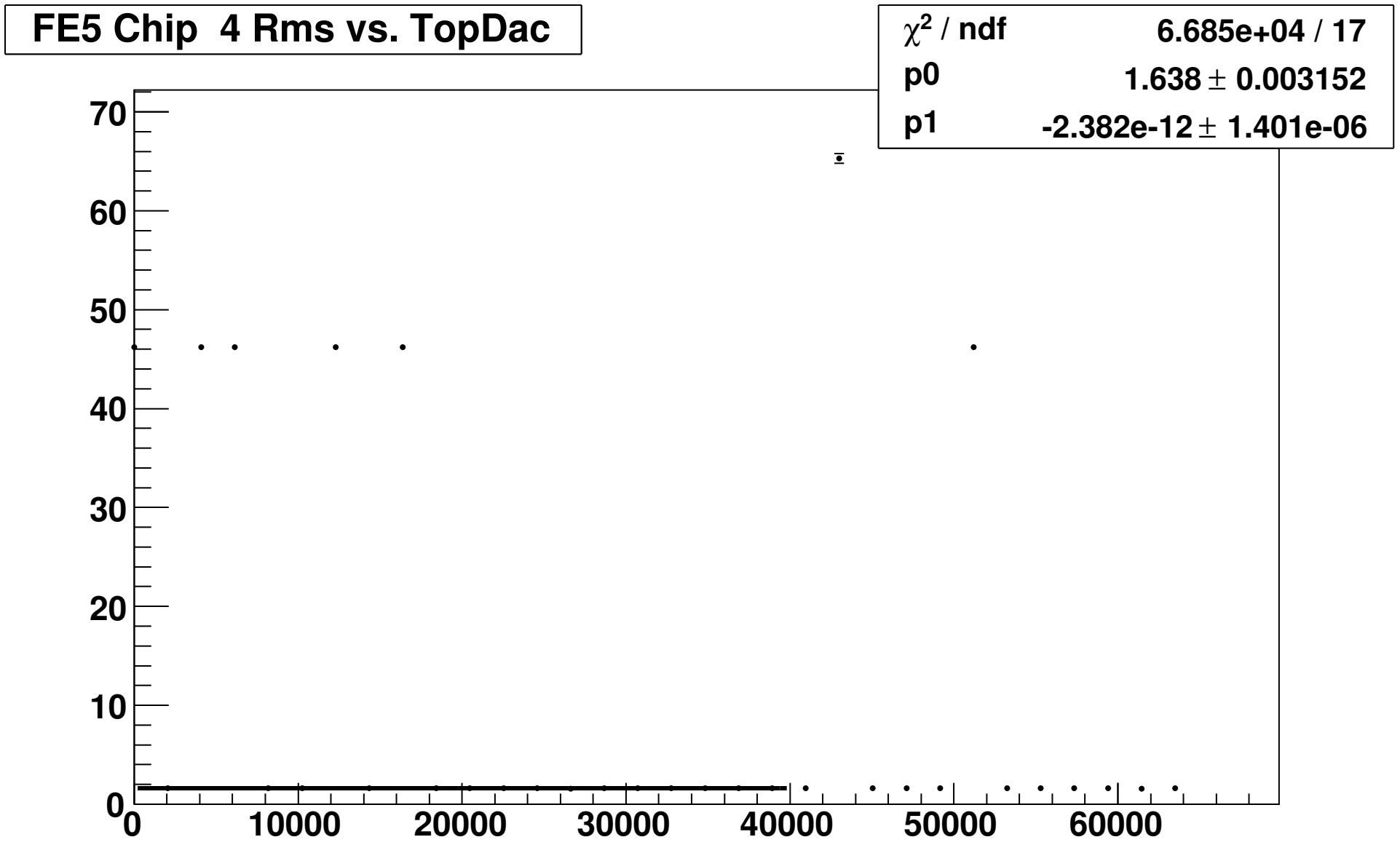

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 59.95 / 17
p0 -3844 ± 7.114
p1 0.0001257 ± 0.0003041
-3700
-3750
-3800
-3850
-3900
0
10000
20000
30000
40000
50000
60000

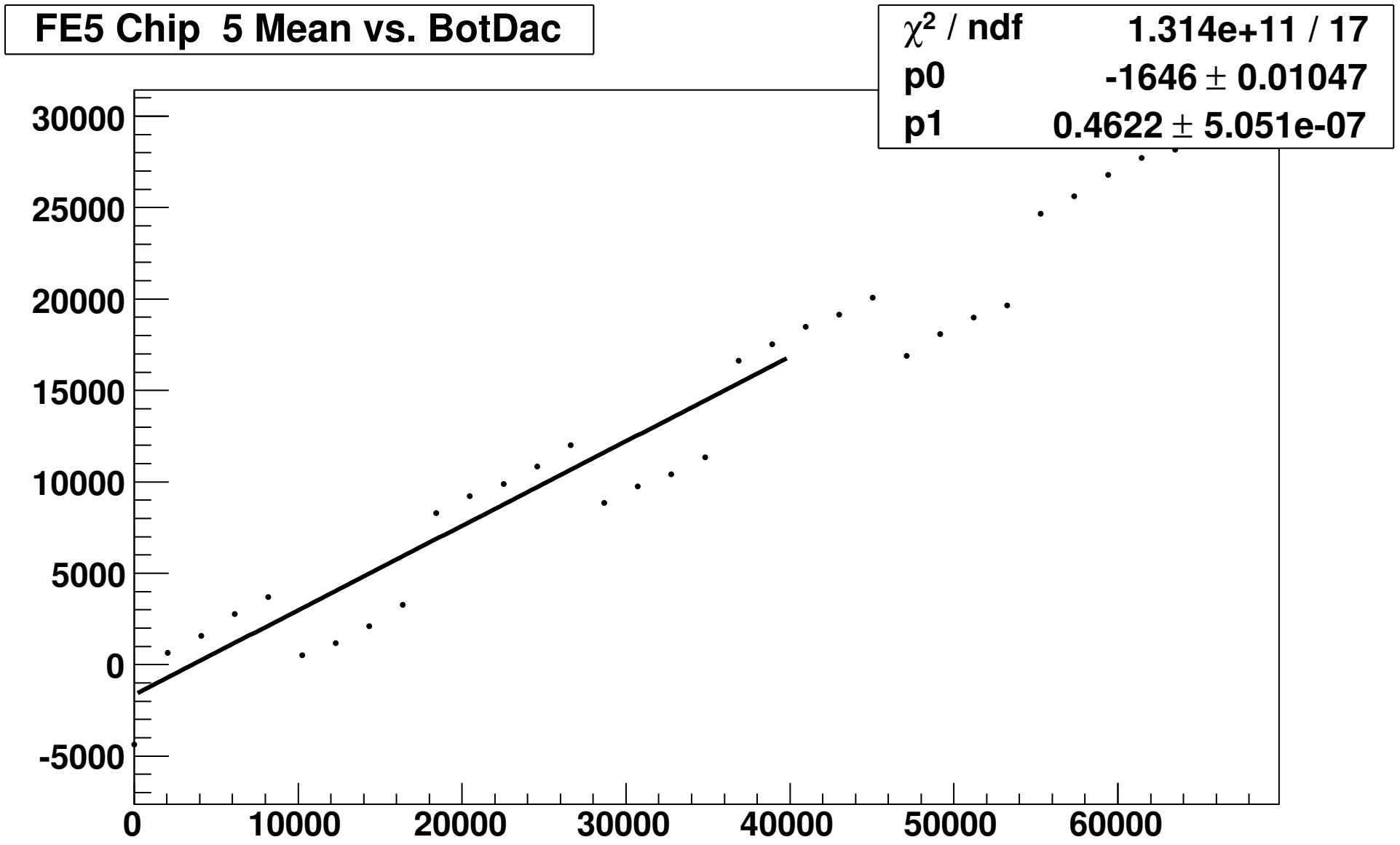

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 163.2 / 17
p0 1425 ± 2.44
p1 6.356e-08 ± 0.002503
1600
1550
1500
1450
1400
1350
0
10000
20000
30000
40000
50000
60000

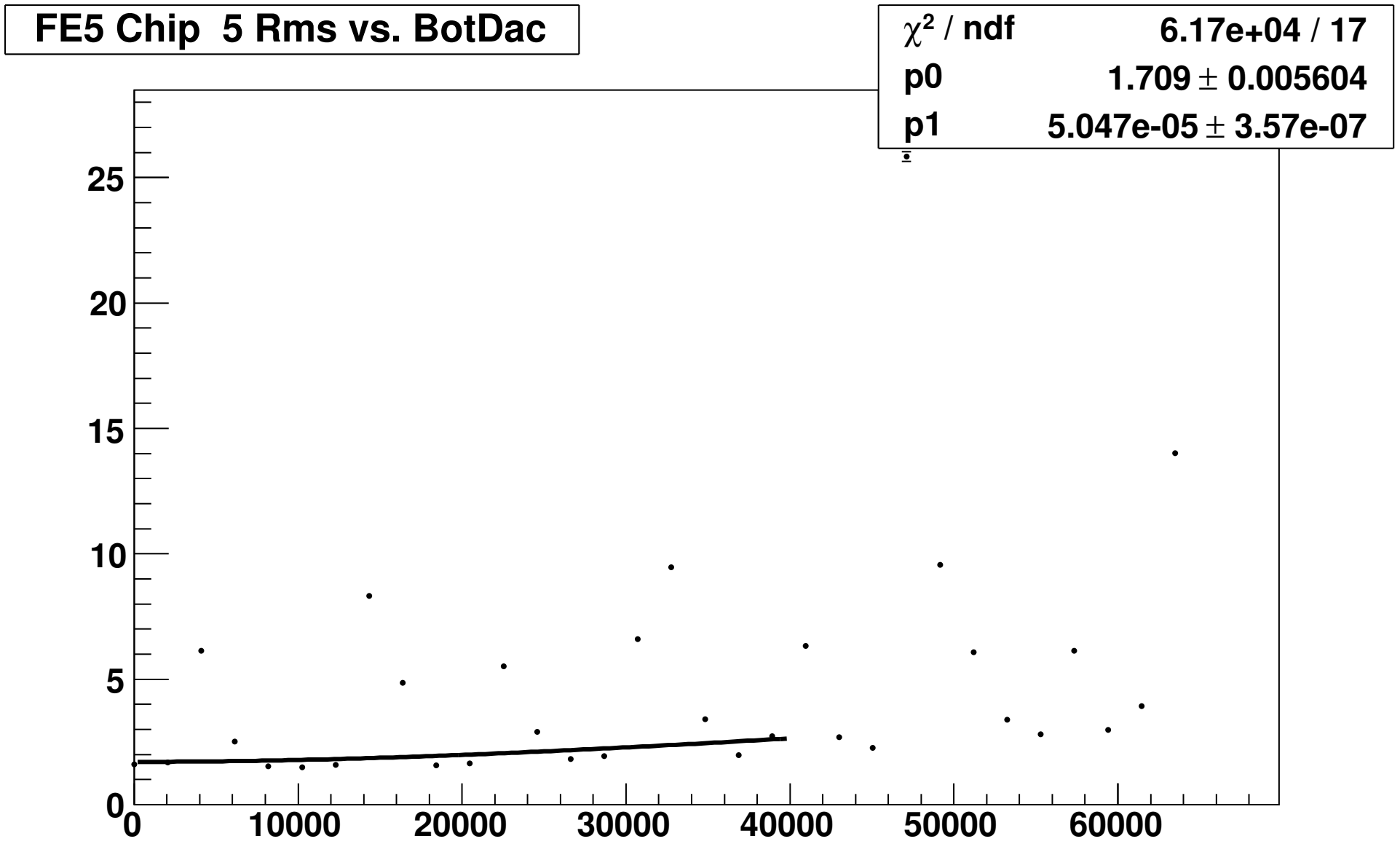

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.366e+11 / 17
p0 -1617 ± 0.01013
p1 0.4535 ± 5.135e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

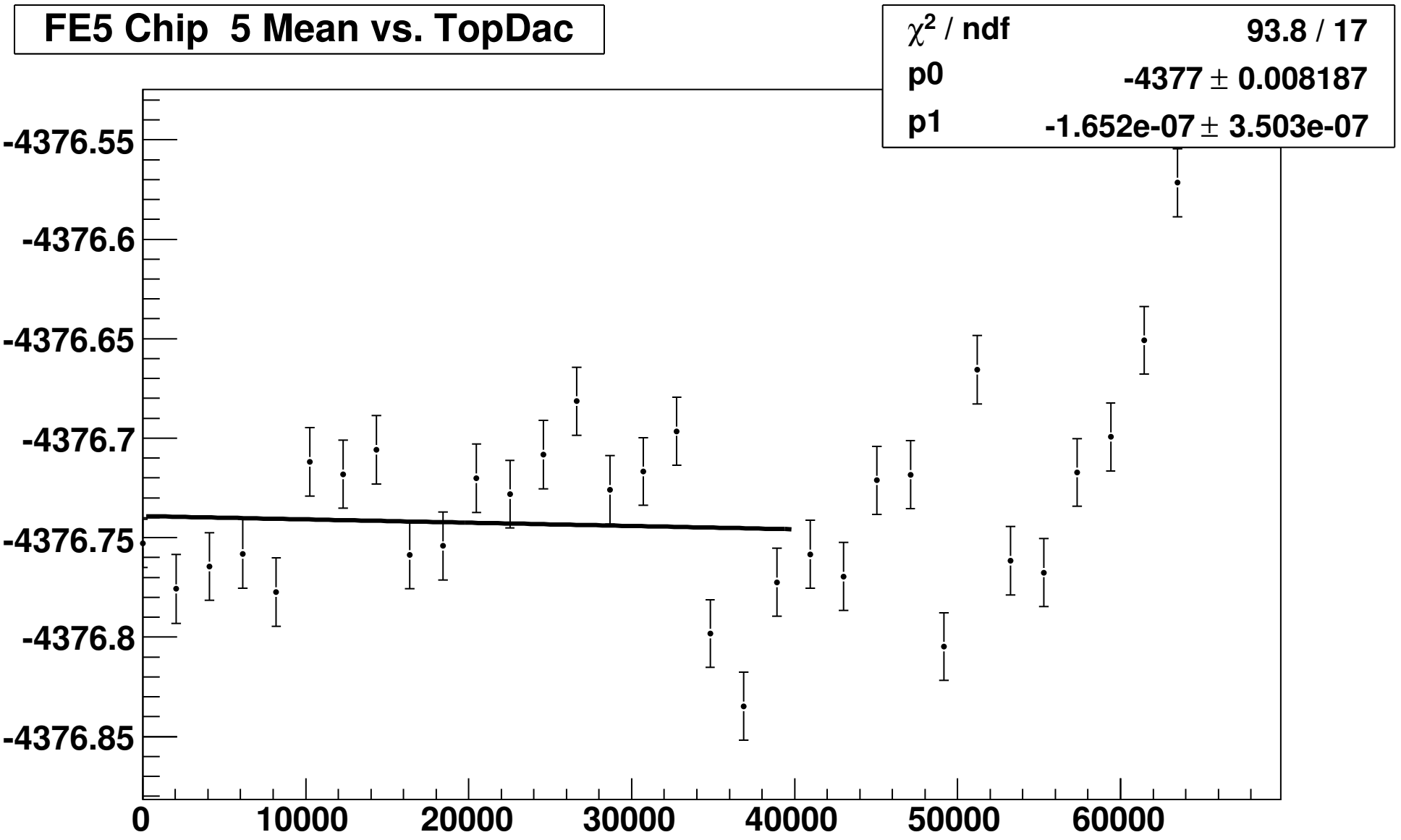

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 6.267e+04 / 17
p0 1.655 ± 0.005655
p1 5.499e-05 ± 3.777e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

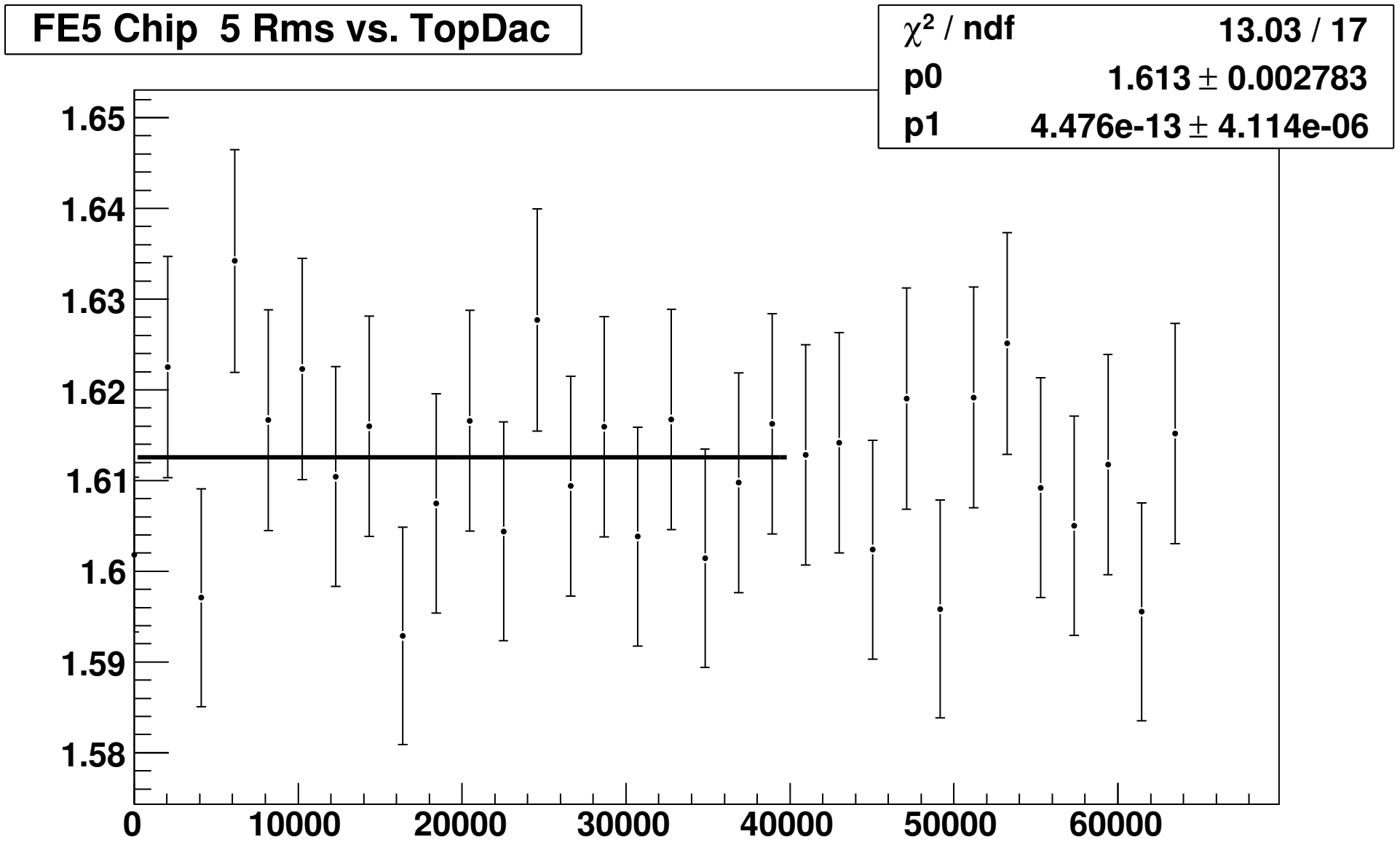

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 90.17 / 17
p0 -4375 ± 0.01072
p1 -2.786e-07 ± 4.176e-07
-4373.2
-4373.4
-4373.6
-4373.8
-4374
-4374.2
-4374.4
-4374.6
-4374.8
-4375
0
10000
20000
30000
40000
50000
60000

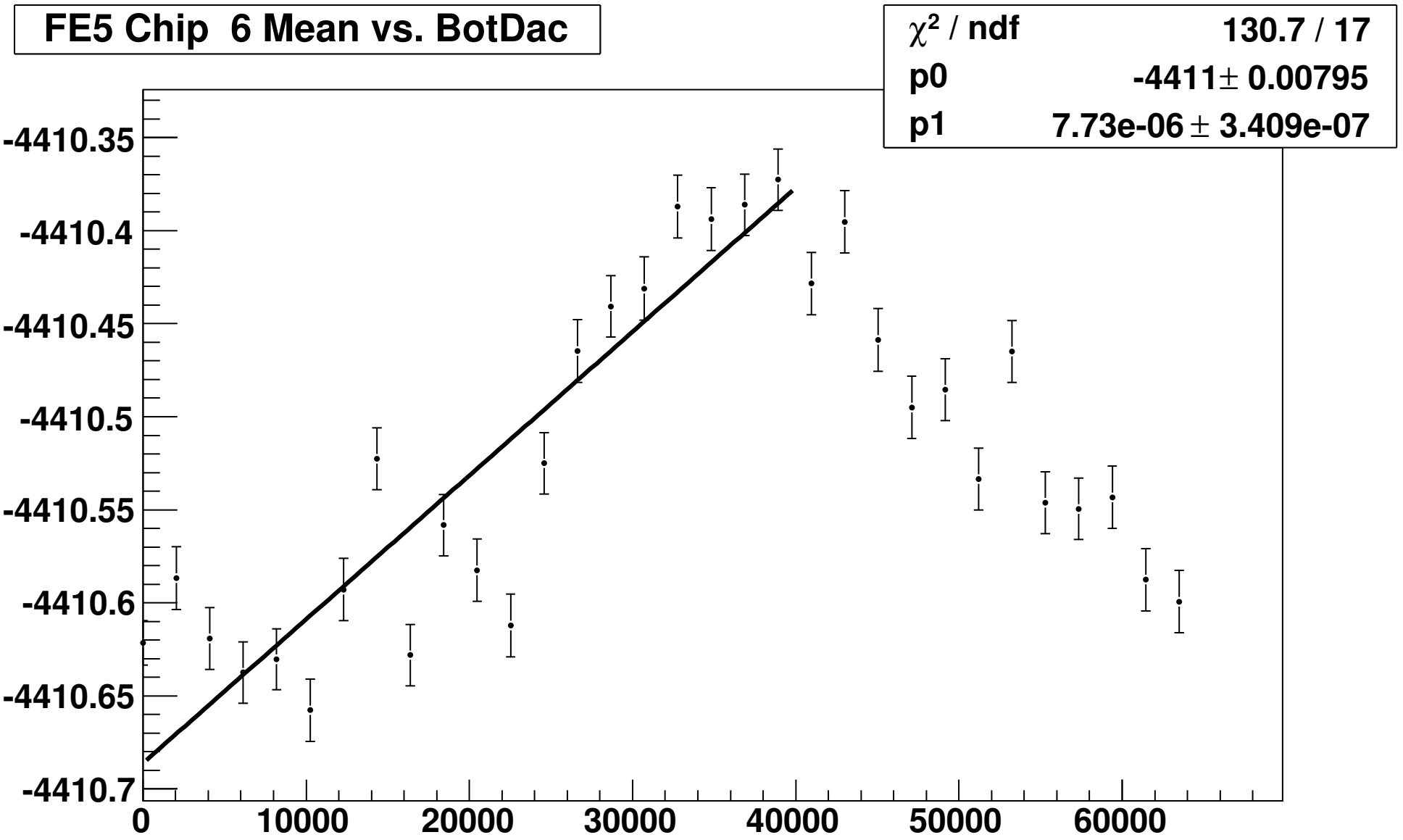

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 6.685e+04 / 17
p0 1.638 ± 0.003152
p1 -2.382e-12 ± 1.401e-06
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

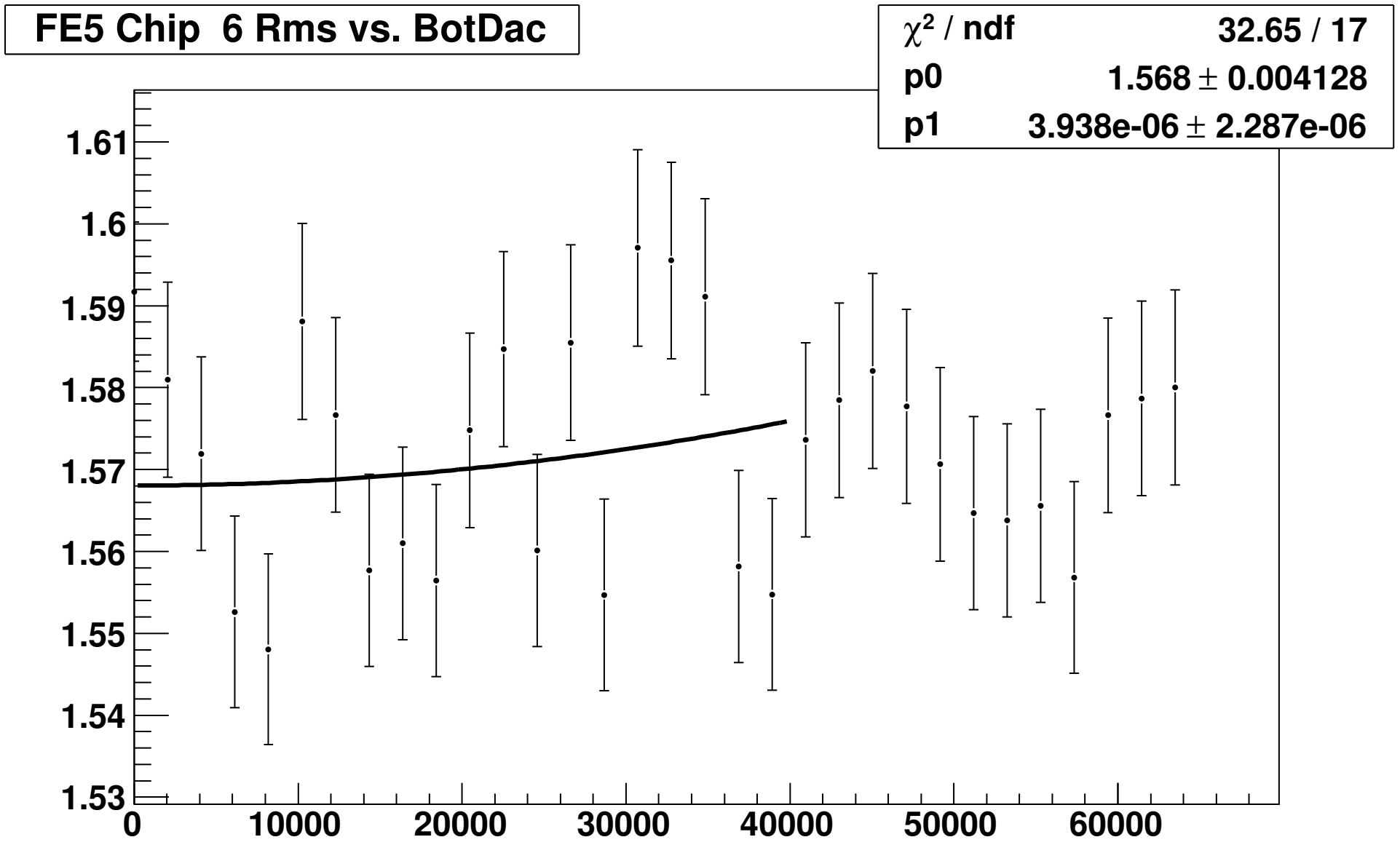

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.314e+11 / 17
p0 -1646 ± 0.01047
p1 0.4622 ± 5.051e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

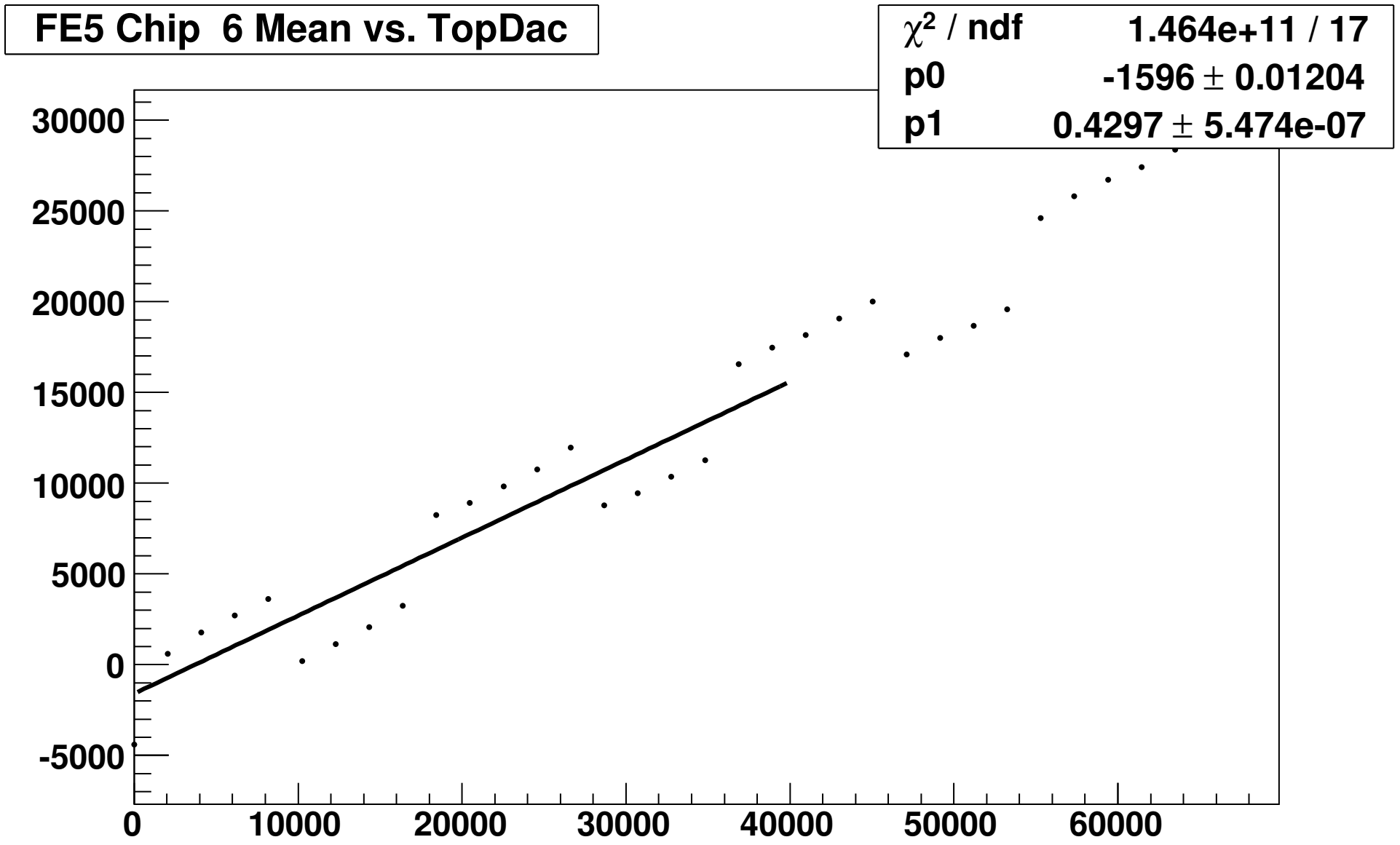

FE5 Chip 5 Rms vs. BotDac
χ² / ndf 6.17e+04 / 17
p0 1.709 ± 0.005604
p1 5.047e-05 ± 3.57e-07
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

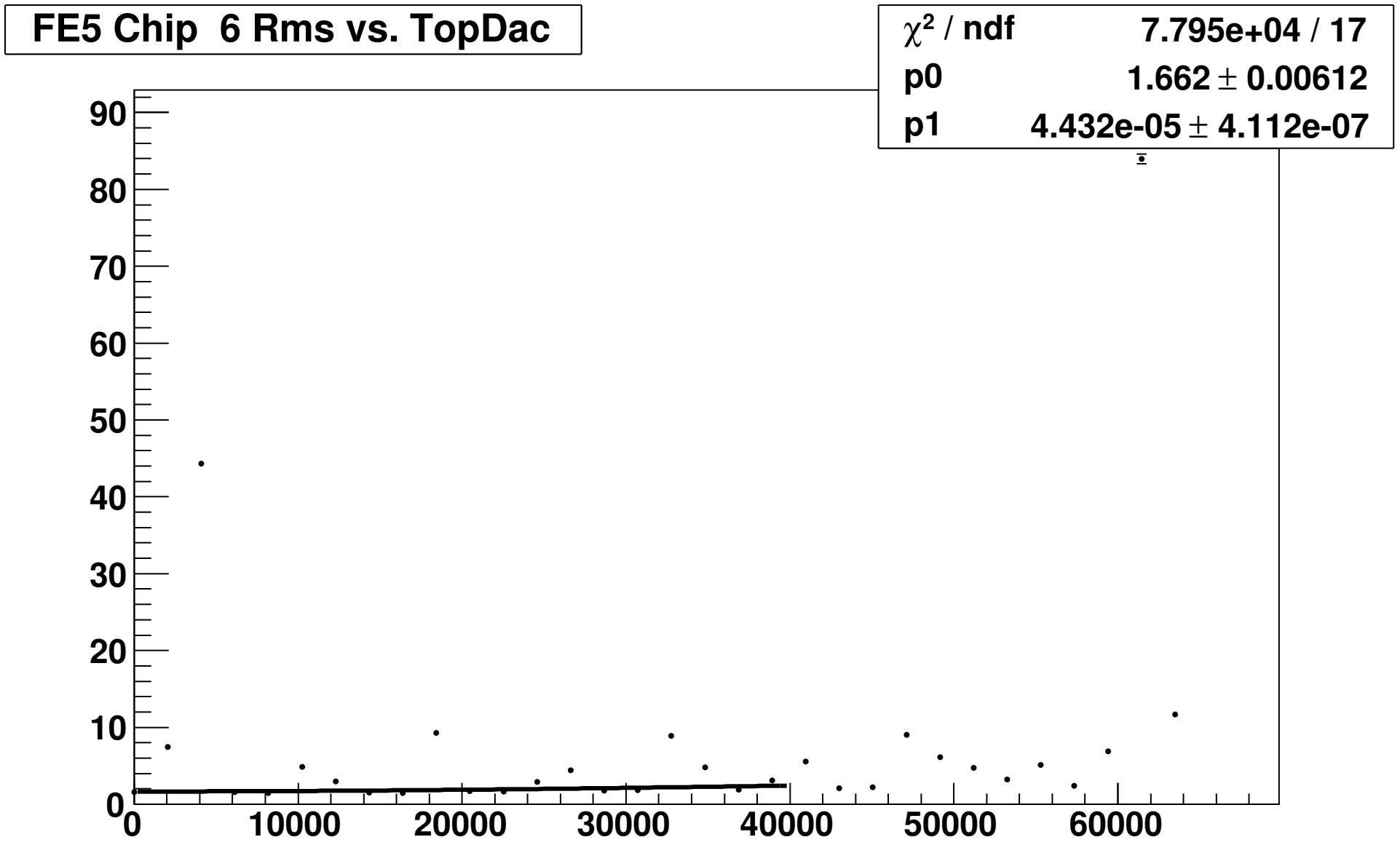

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 93.8 / 17
p0 -4377 ± 0.008187
p1 -1.652e-07 ± 3.503e-07
-4376.55
-4376.6
-4376.65
-4376.7
-4376.75
-4376.8
-4376.85
0
10000
20000
30000
40000
50000
60000

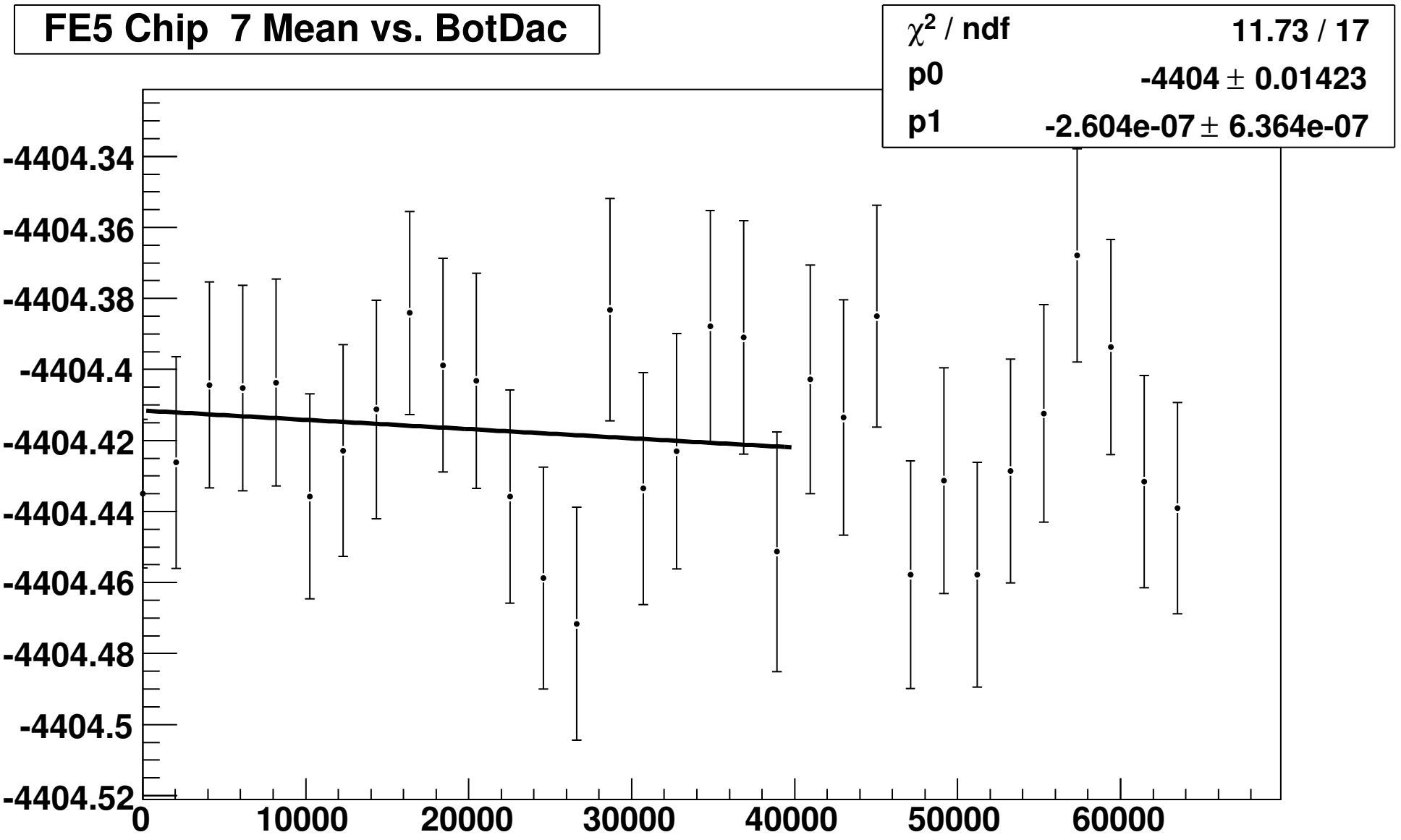

FE5 Chip 5 Rms vs. TopDac
χ² / ndf 13.03 / 17
p0 1.613 ± 0.002783
p1 4.476e-13 ± 4.114e-06
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
0
10000
20000
30000
40000
50000
60000

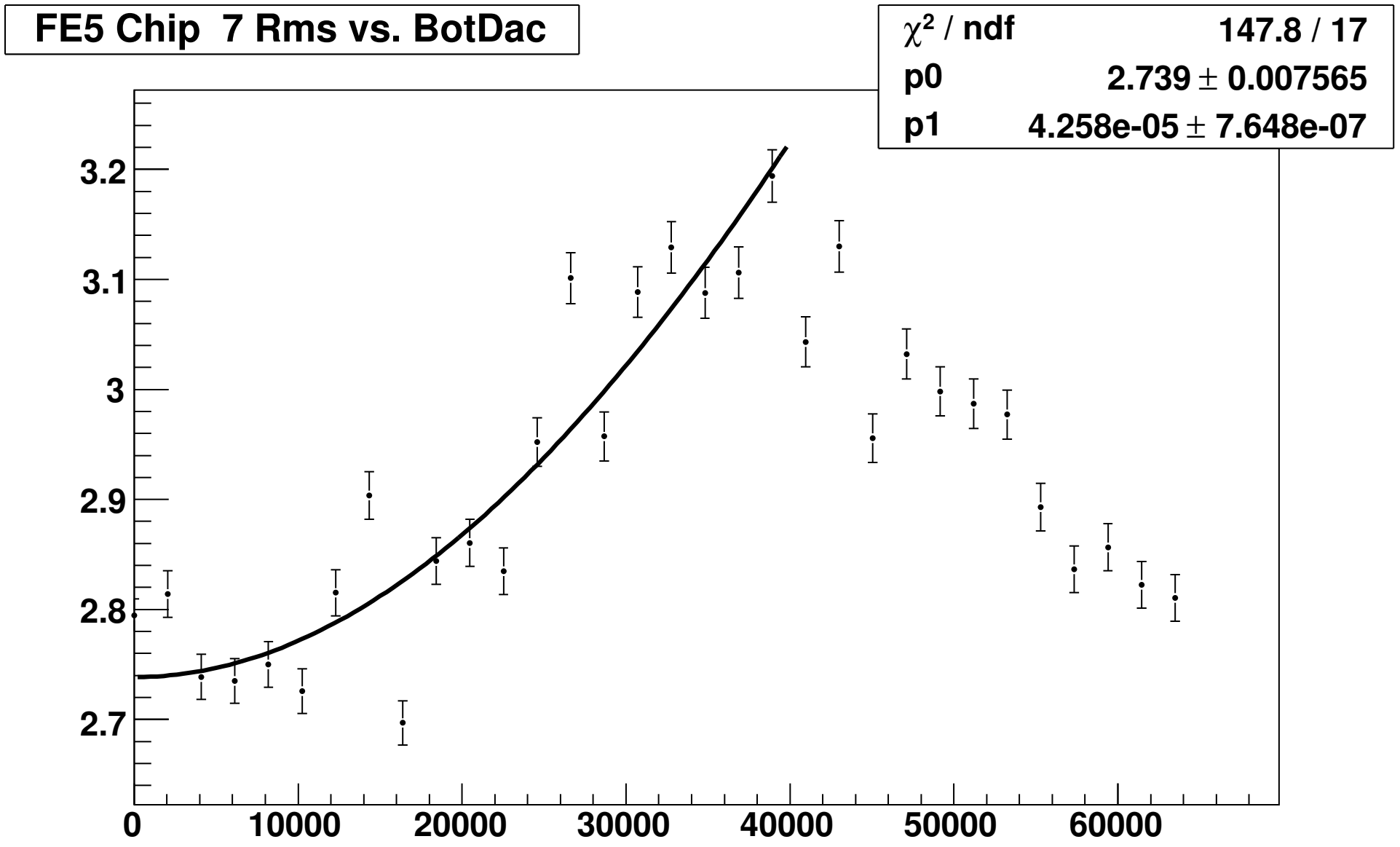

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 130.7 / 17
p0 -4411 ± 0.00795
p1 7.73e-06 ± 3.409e-07
-4410.35
-4410.4
-4410.45
-4410.5
-4410.55
-4410.6
-4410.65
-4410.7
0
10000
20000
30000
40000
50000
60000

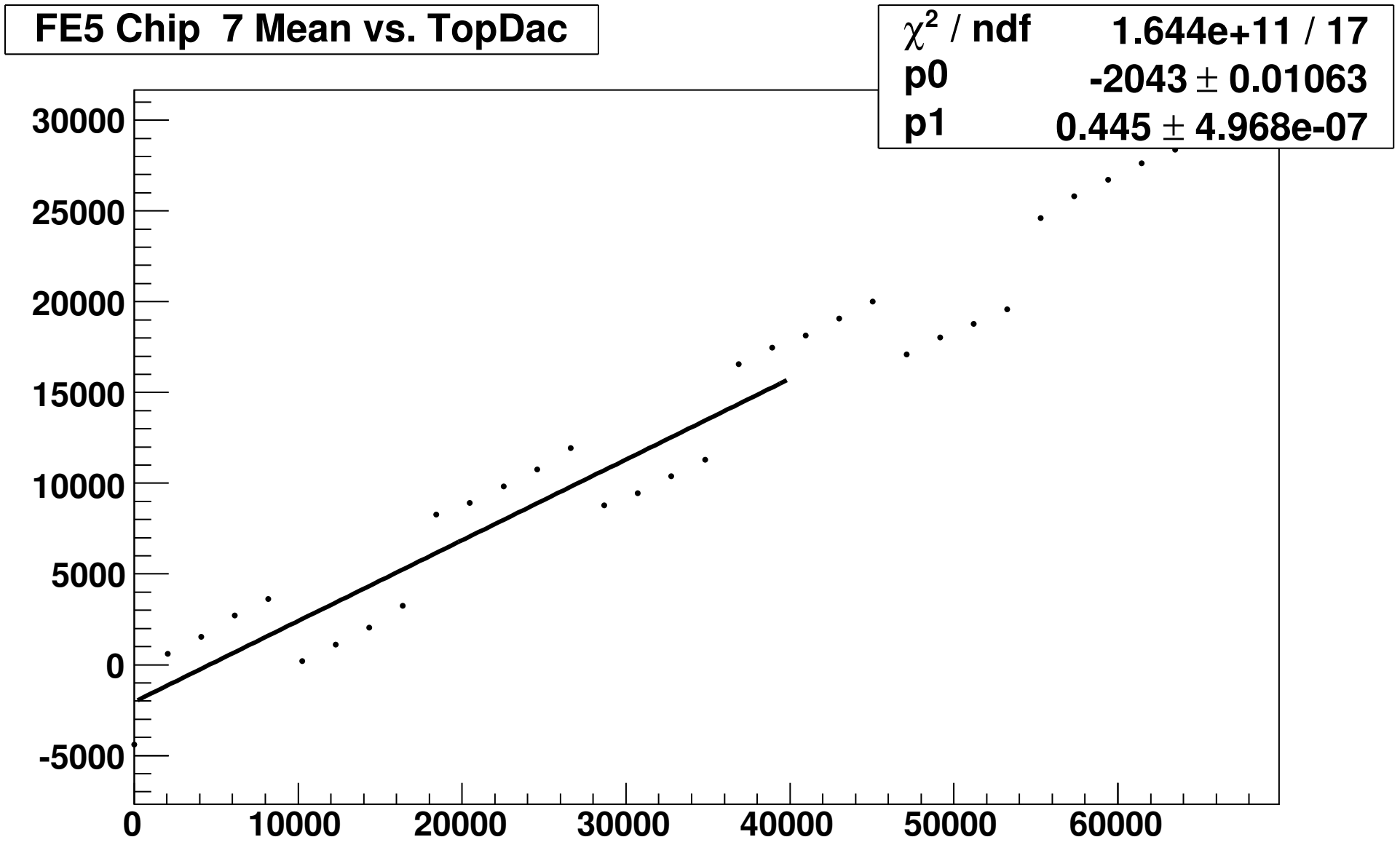

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 32.65 / 17
p0 1.568 ± 0.004128
p1 3.938e-06 ± 2.287e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000

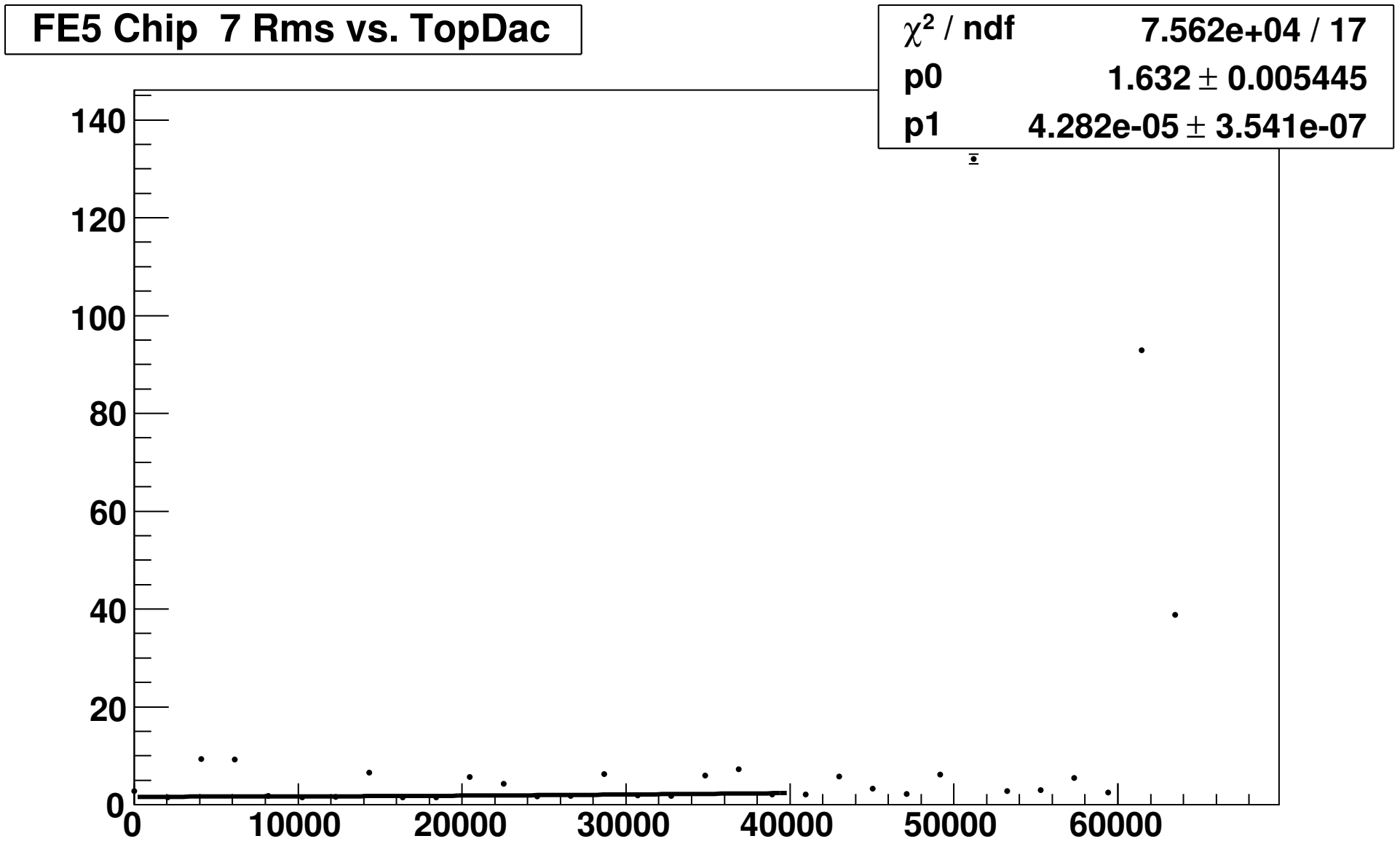

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.464e+11 / 17
p0 -1596 ± 0.01204
p1 0.4297 ± 5.474e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

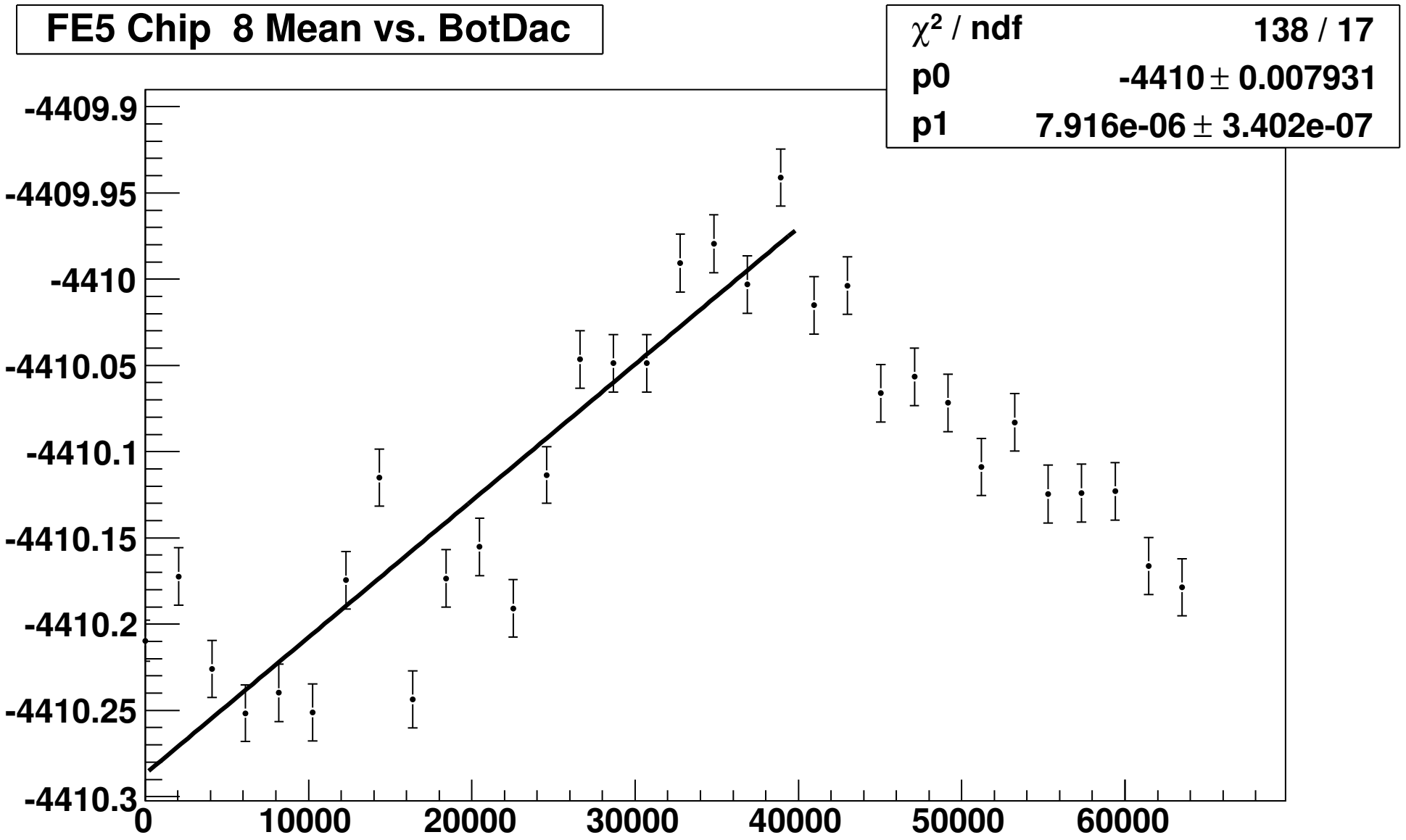

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 7.795e+04 / 17
p0 1.662 ± 0.00612
p1 4.432e-05 ± 4.112e-07
90
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

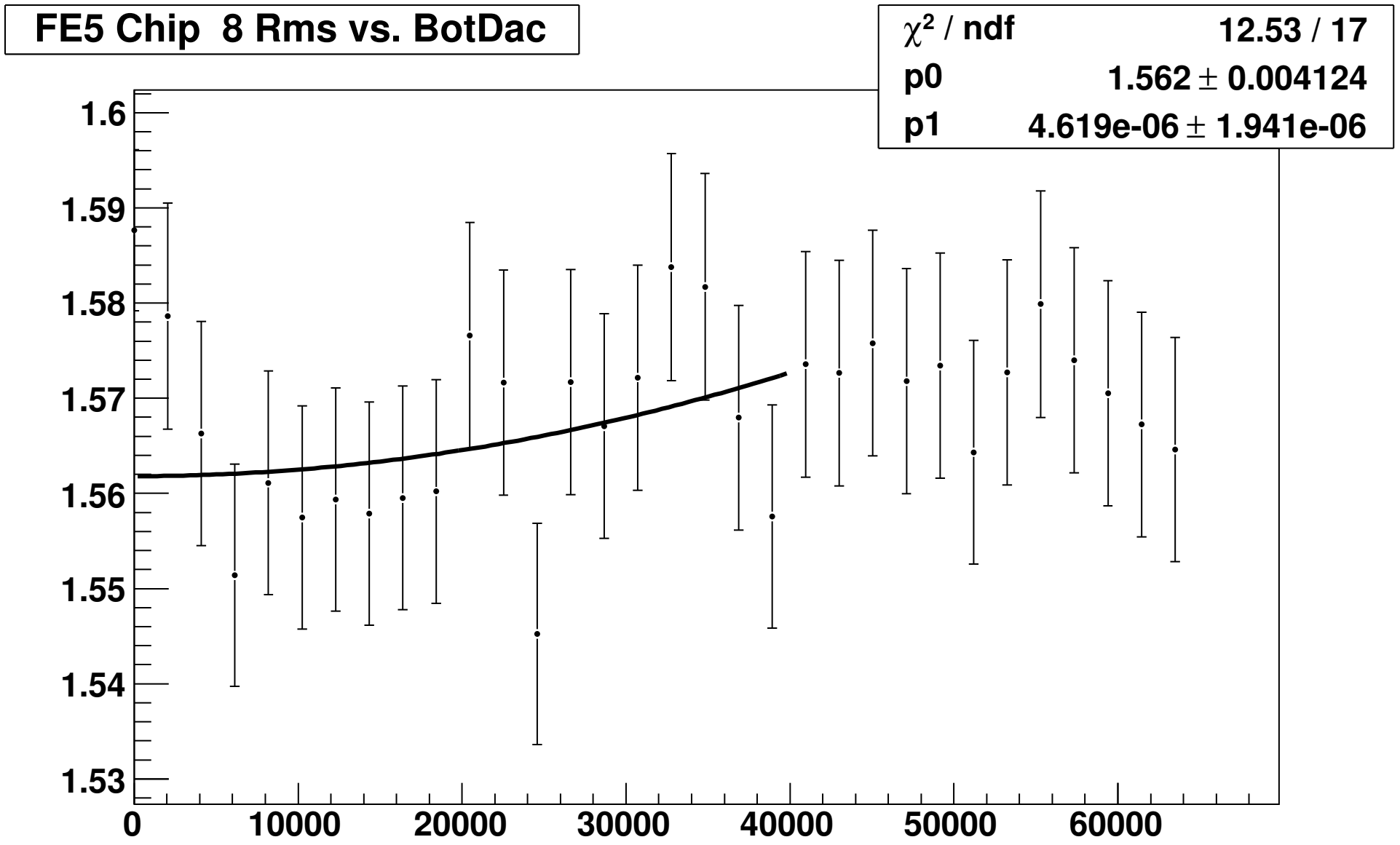

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 11.73 / 17
p0 -4404 ± 0.01423
p1 -2.604e-07 ± 6.364e-07
-4404.34
-4404.36
-4404.38
-4404.4
-4404.42
-4404.44
-4404.46
-4404.48
-4404.5
-4404.52
0
10000
20000
30000
40000
50000
60000

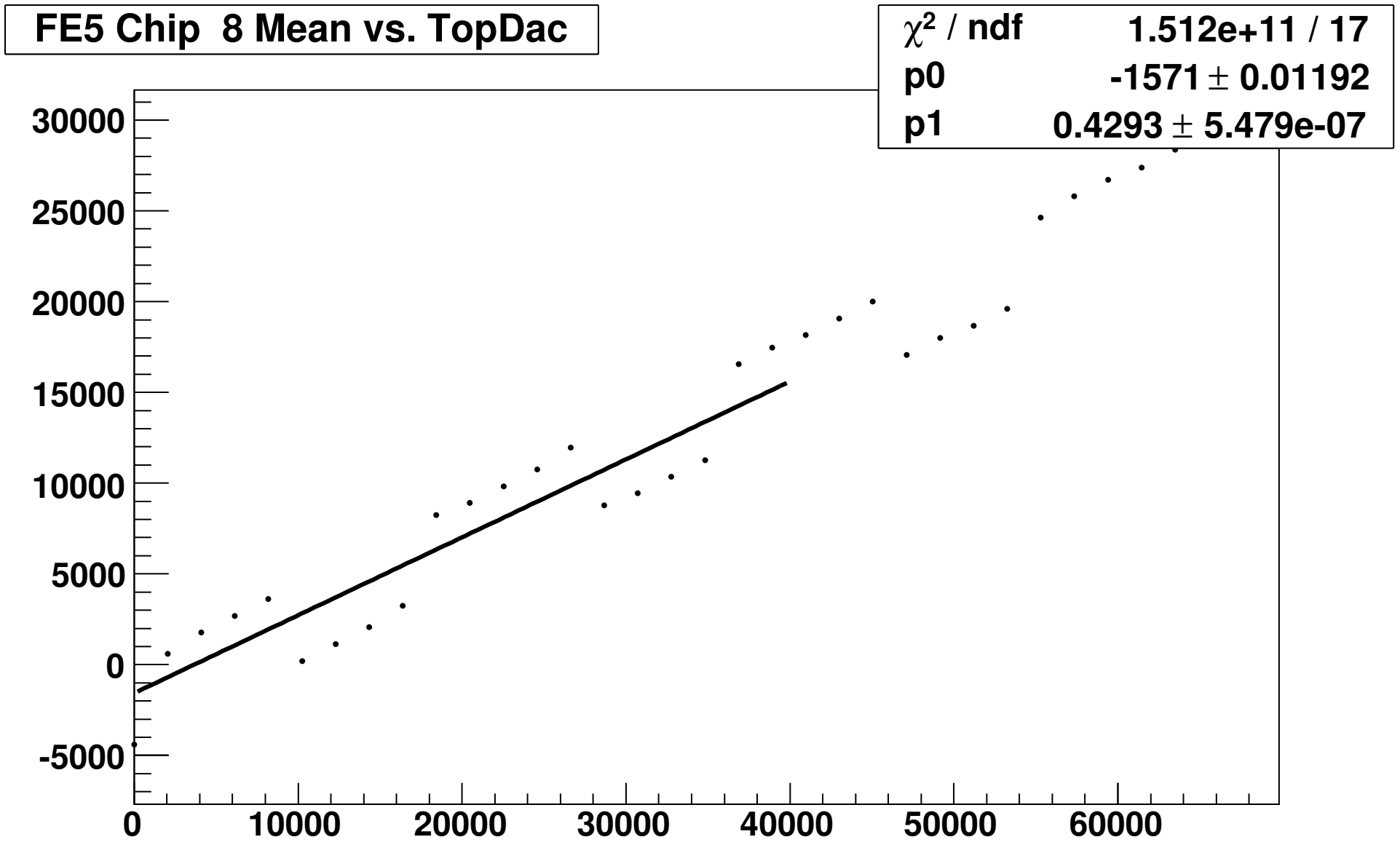

FE5 Chip 7 Rms vs. BotDac
χ² / ndf 147.8 / 17
p0 2.739 ± 0.007565
p1 4.258e-05 ± 7.648e-07
3.2
3.1
3
2.9
2.8
2.7
0
10000
20000
30000
40000
50000
60000

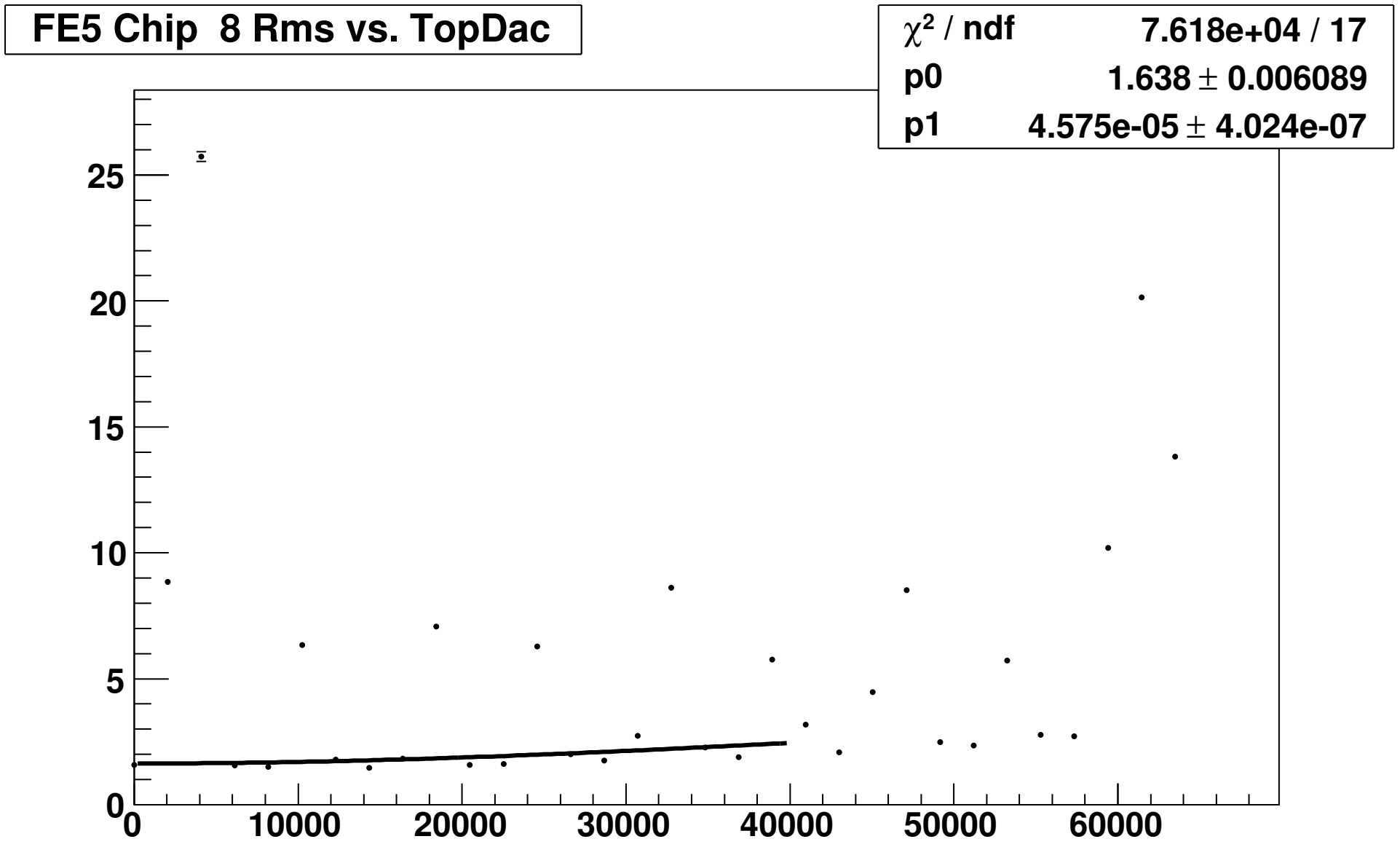

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.644e+11 / 17
p0 -2043 ± 0.01063
p1 0.445 ± 4.968e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

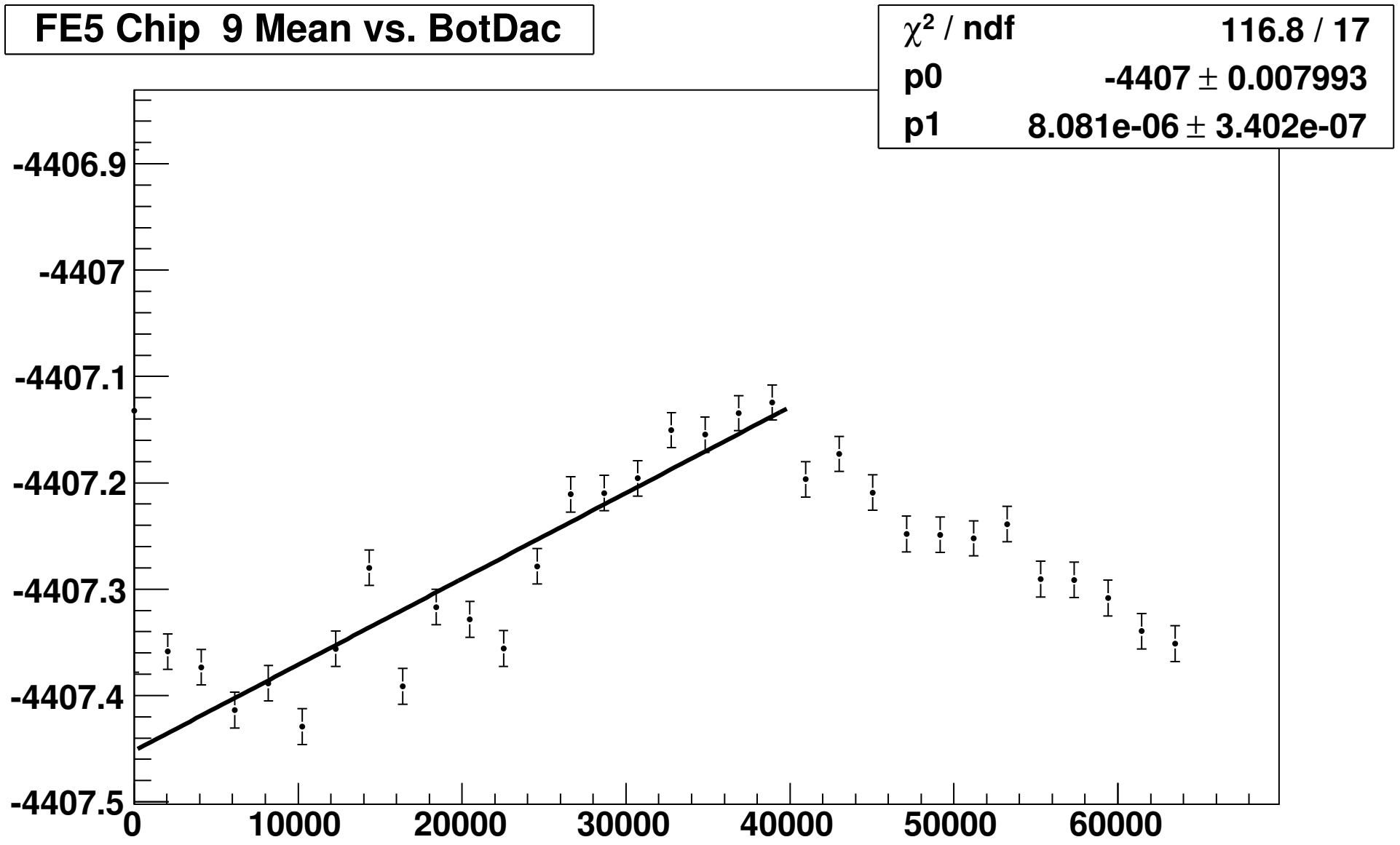

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 7.562e+04 / 17
p0 1.632 ± 0.005445
p1 4.282e-05 ± 3.541e-07
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

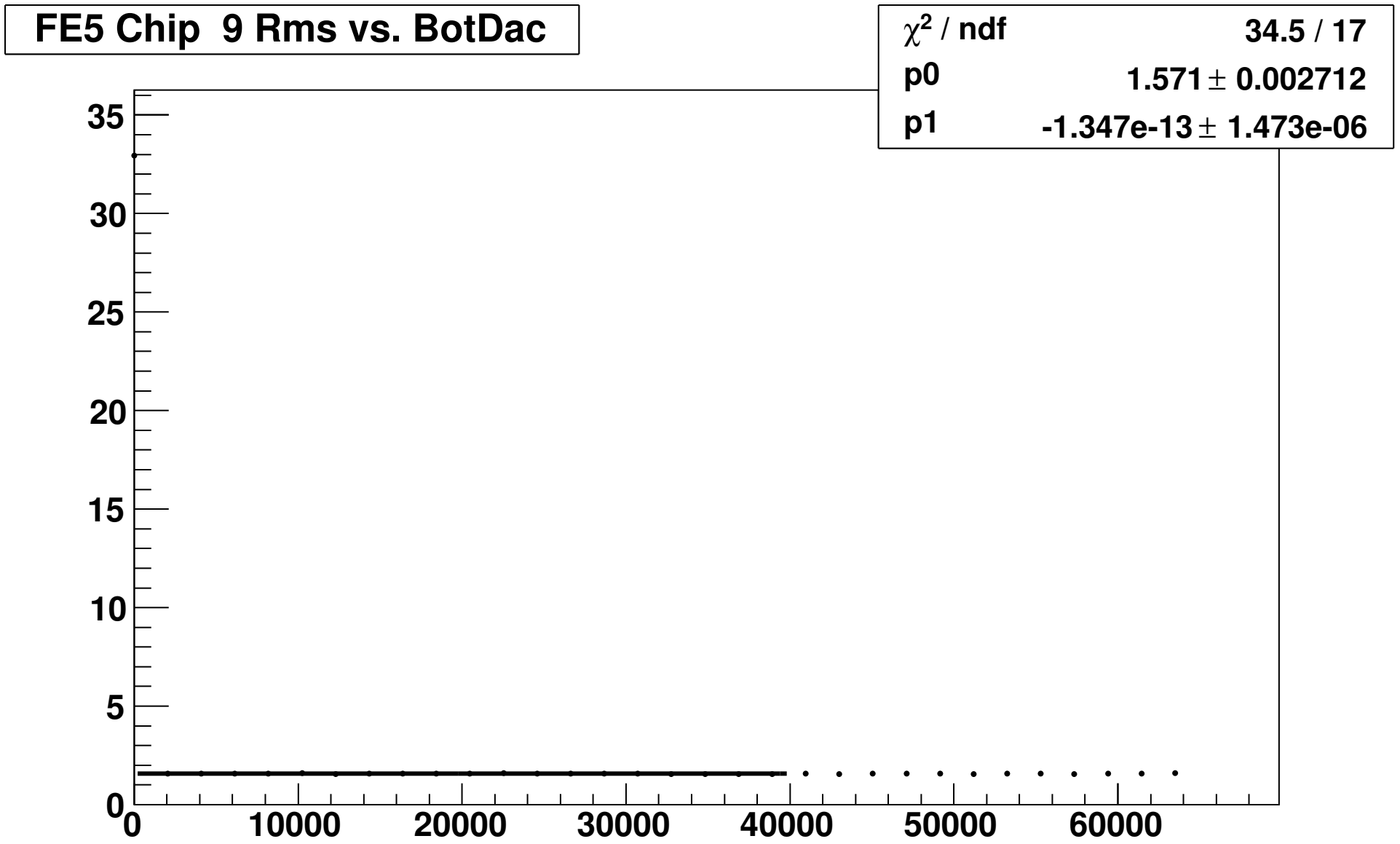

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 138 / 17
p0 -4410 ± 0.007931
p1 7.916e-06 ± 3.402e-07
-4409.9
-4409.95
-4410
-4410.05
-4410.1
-4410.15
-4410.2
-4410.25
-4410.3
0
10000
20000
30000
40000
50000
60000

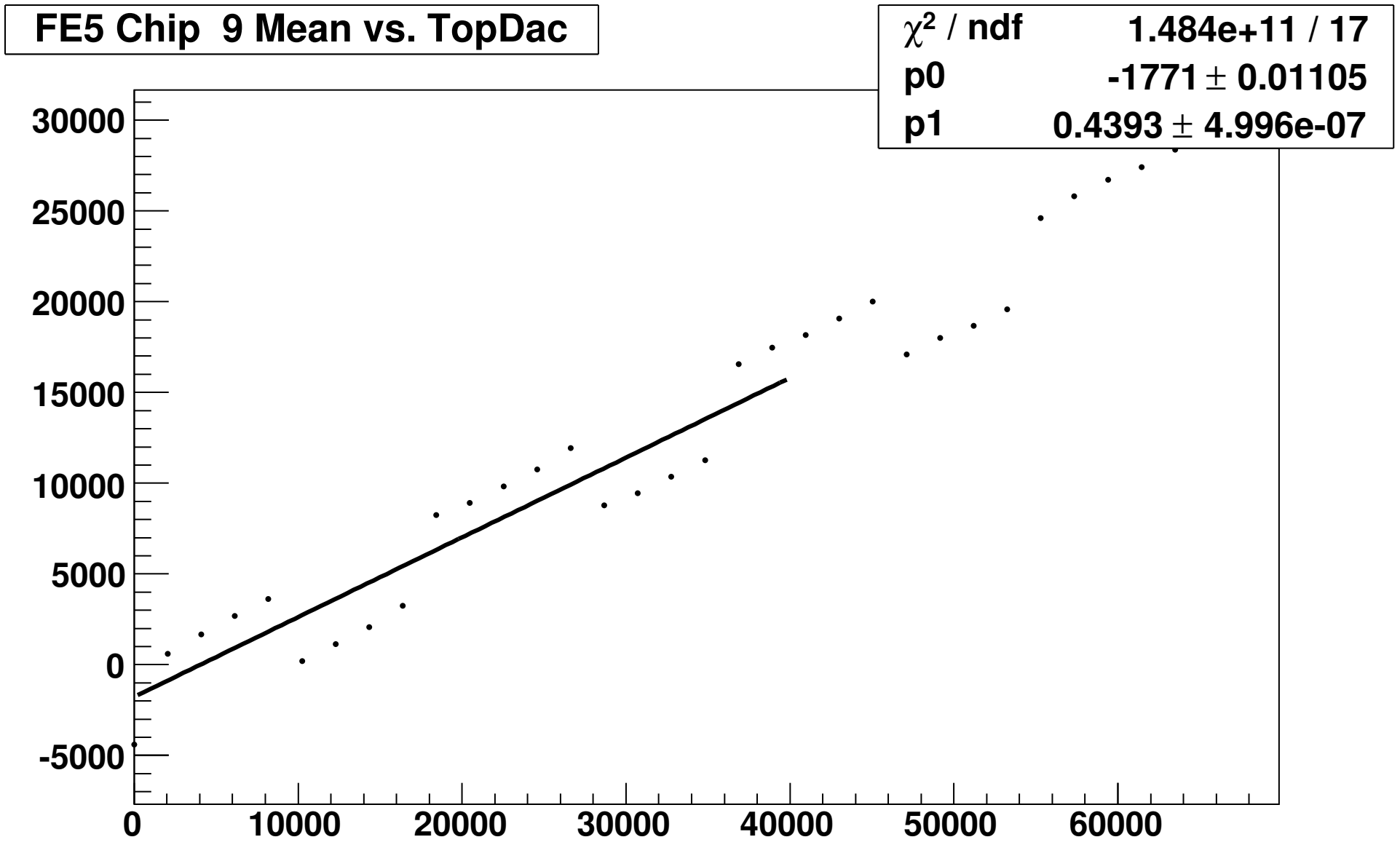

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 12.53 / 17
p0 1.562 ± 0.004124
p1 4.619e-06 ± 1.941e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000

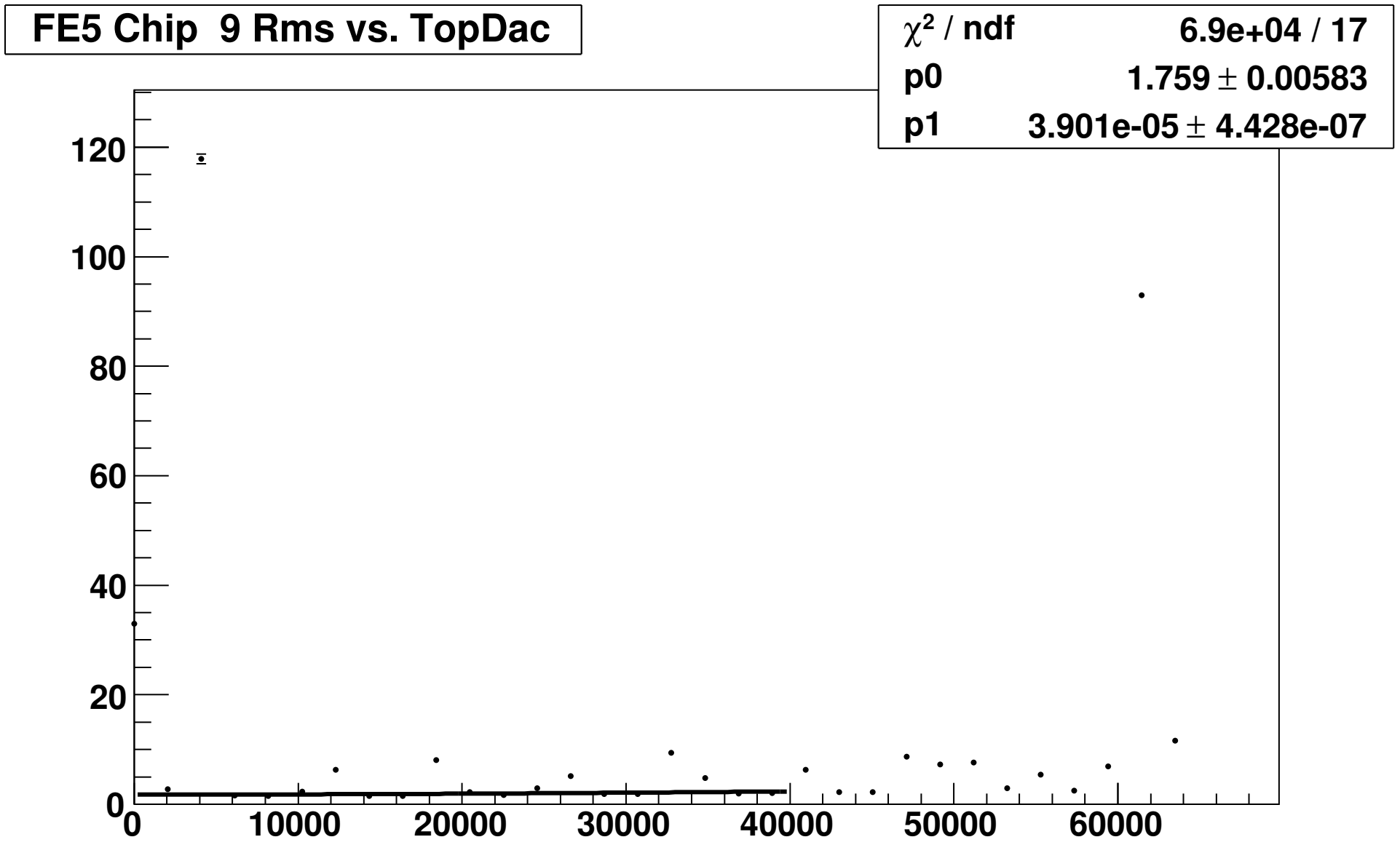

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.512e+11 / 17
p0 -1571 ± 0.01192
p1 0.4293 ± 5.479e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

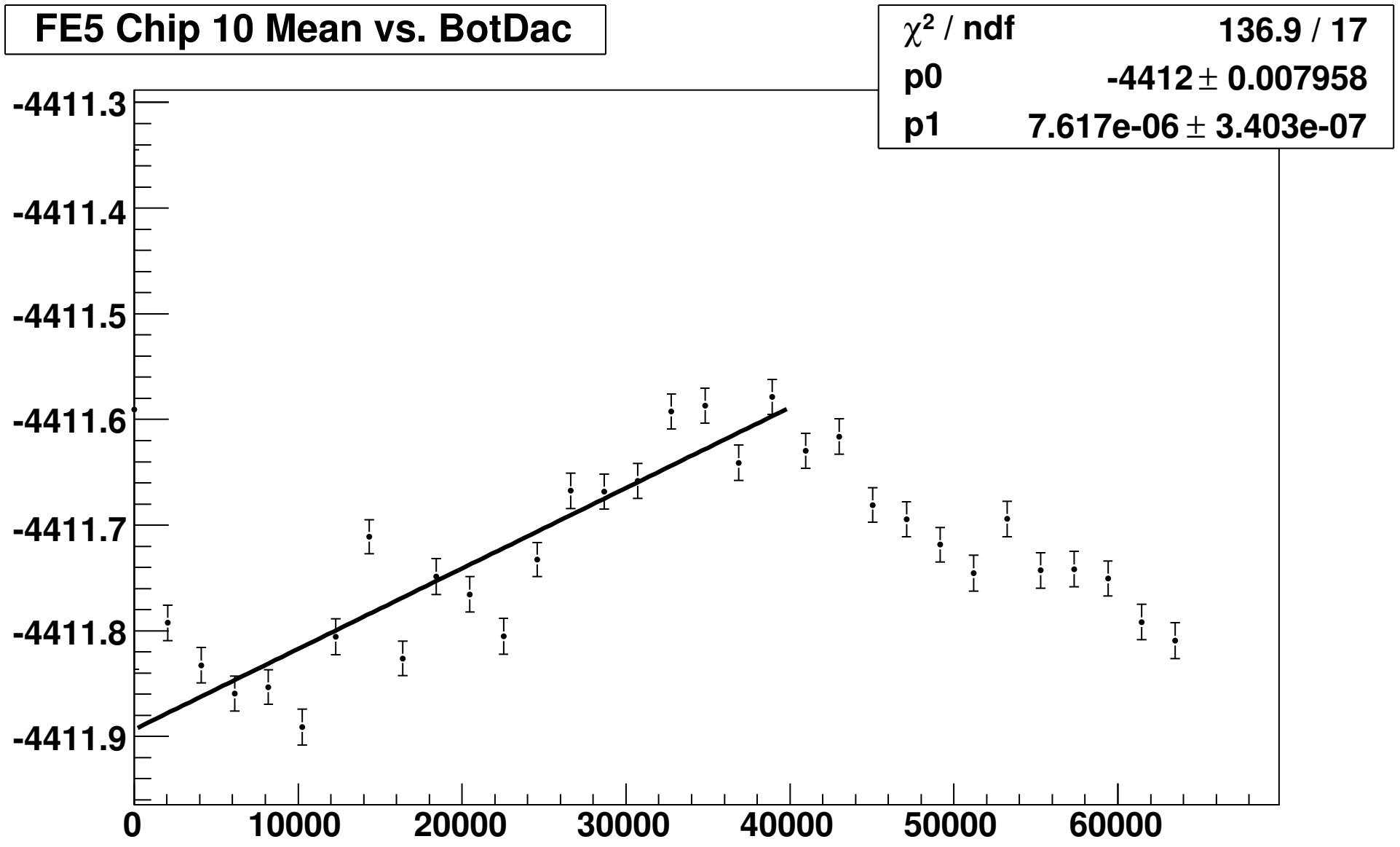

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 7.618e+04 / 17
p0 1.638 ± 0.006089
p1 4.575e-05 ± 4.024e-07
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

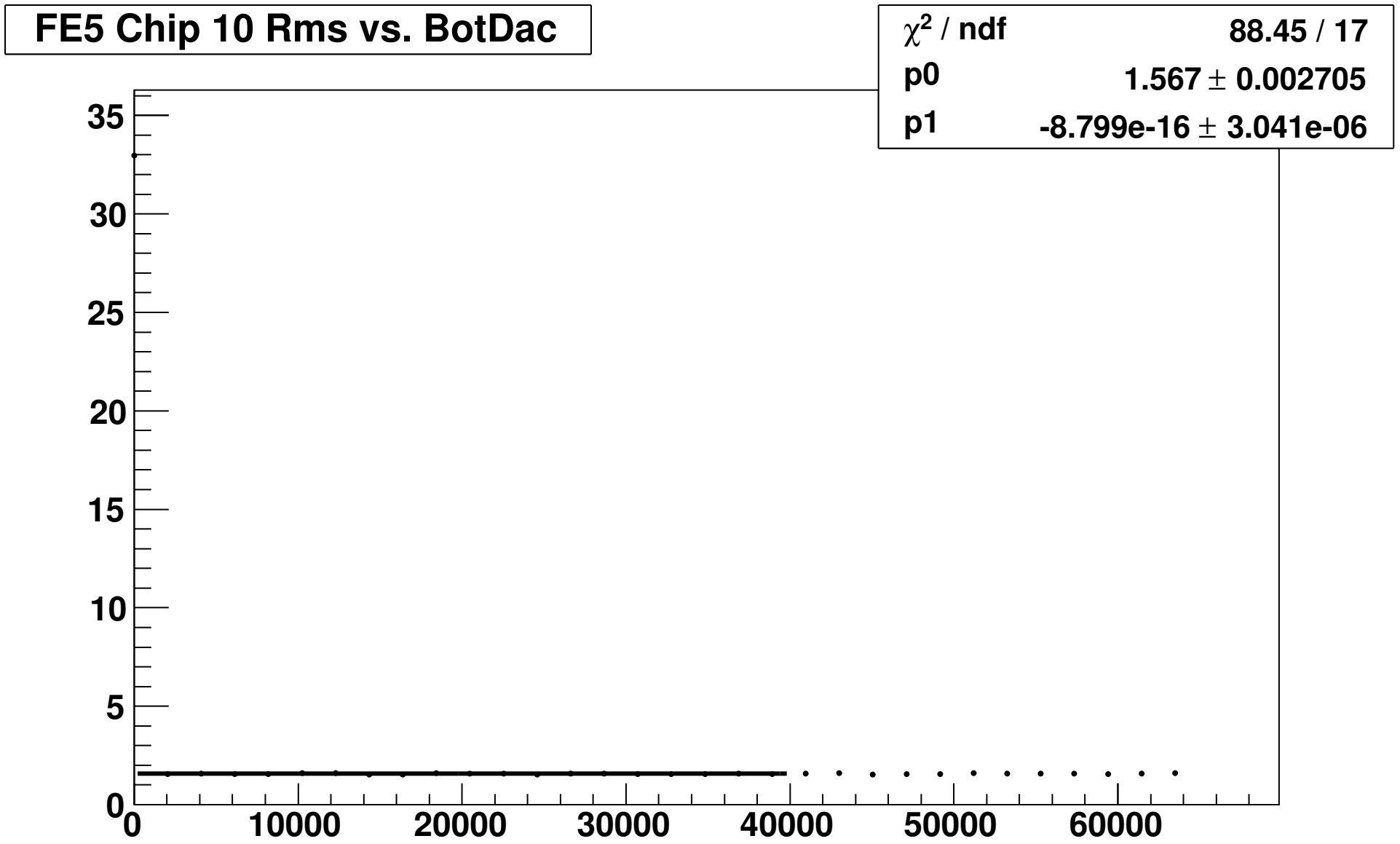

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 116.8 / 17
p0 -4407 ± 0.007993
p1 8.081e-06 ± 3.402e-07
-4406.9
-4407
-4407.1
-4407.2
-4407.3
-4407.4
-4407.5
0
10000
20000
30000
40000
50000
60000

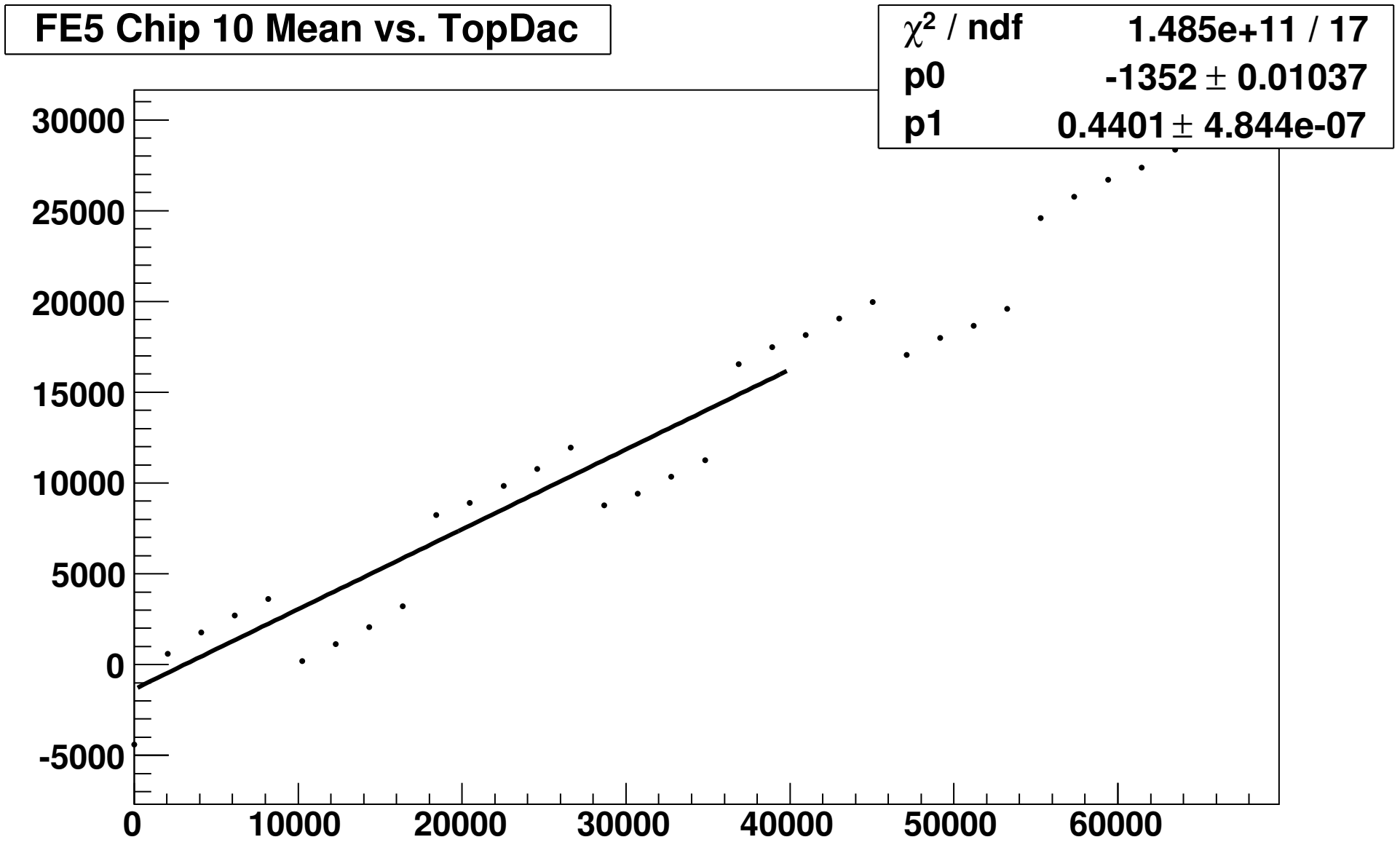

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 34.5 / 17
p0 1.571 ± 0.002712
p1 -1.347e-13 ± 1.473e-06
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

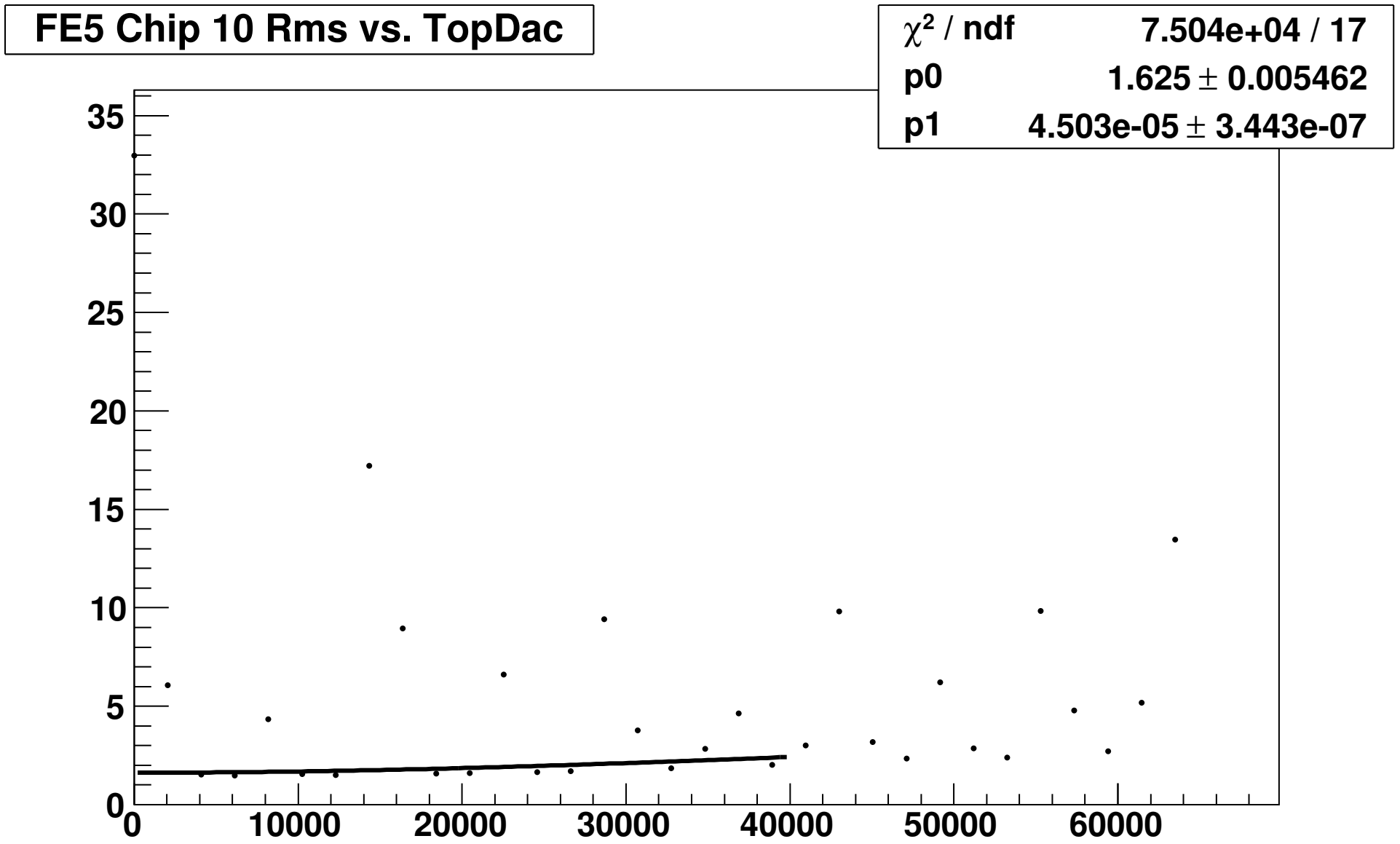

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.484e+11 / 17
p0 -1771 ± 0.01105
p1 0.4393 ± 4.996e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

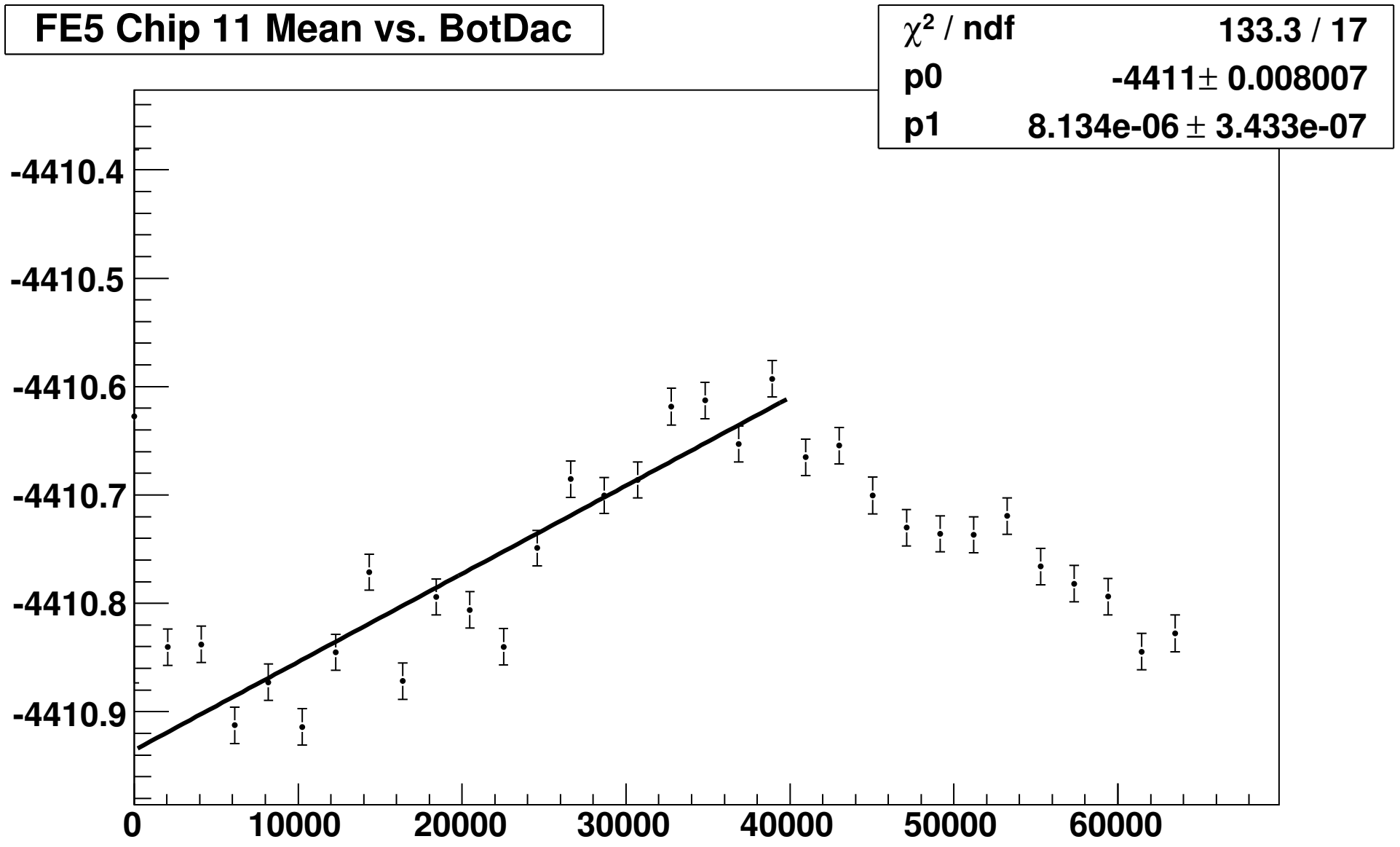

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 6.9e+04 / 17
p0 1.759 ± 0.00583
p1 3.901e-05 ± 4.428e-07
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

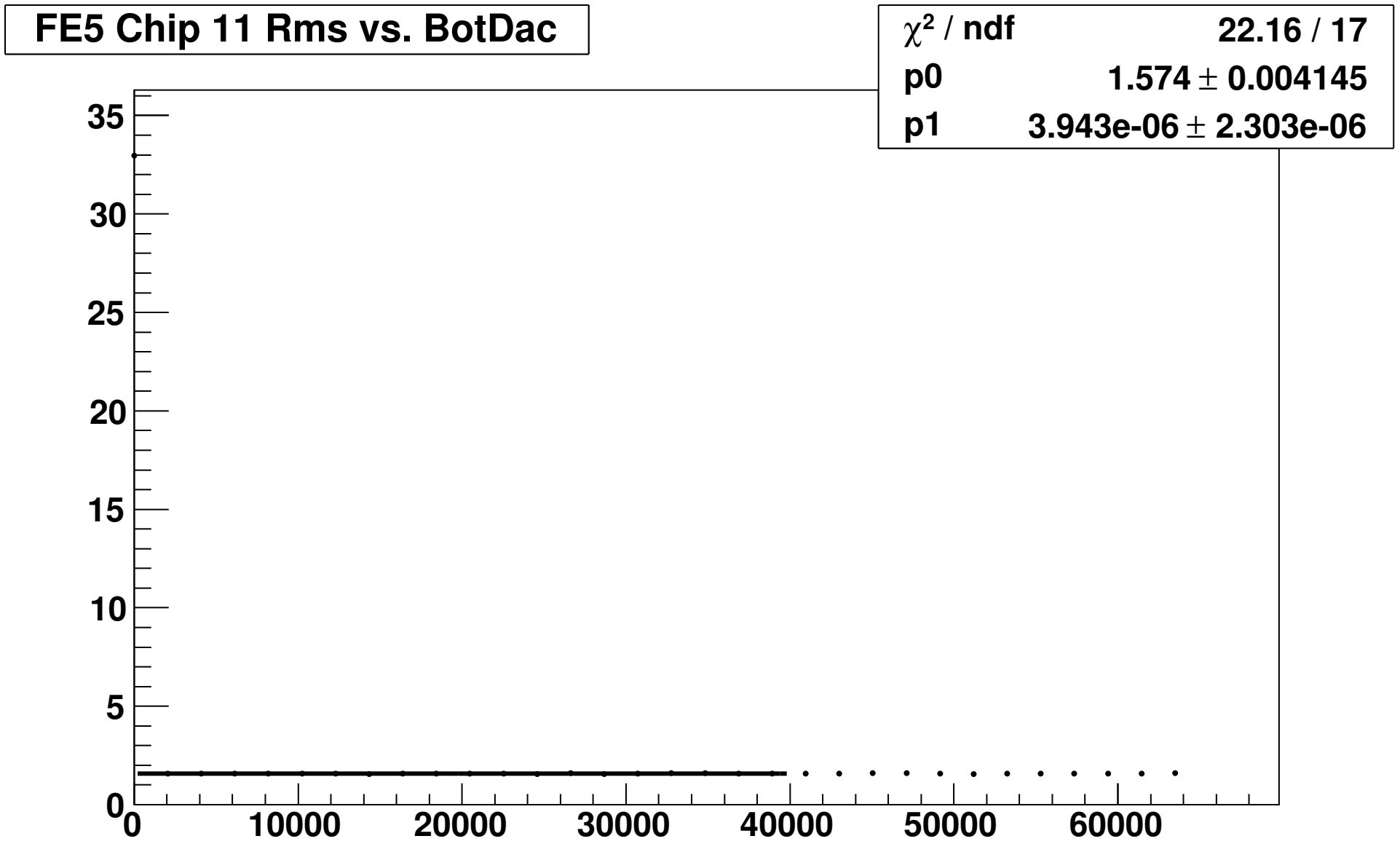

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 136.9 / 17
p0 -4412 ± 0.007958
p1 7.617e-06 ± 3.403e-07
-4411.3
-4411.4
-4411.5
-4411.6
-4411.7
-4411.8
-4411.9
0
10000
20000
30000
40000
50000
60000

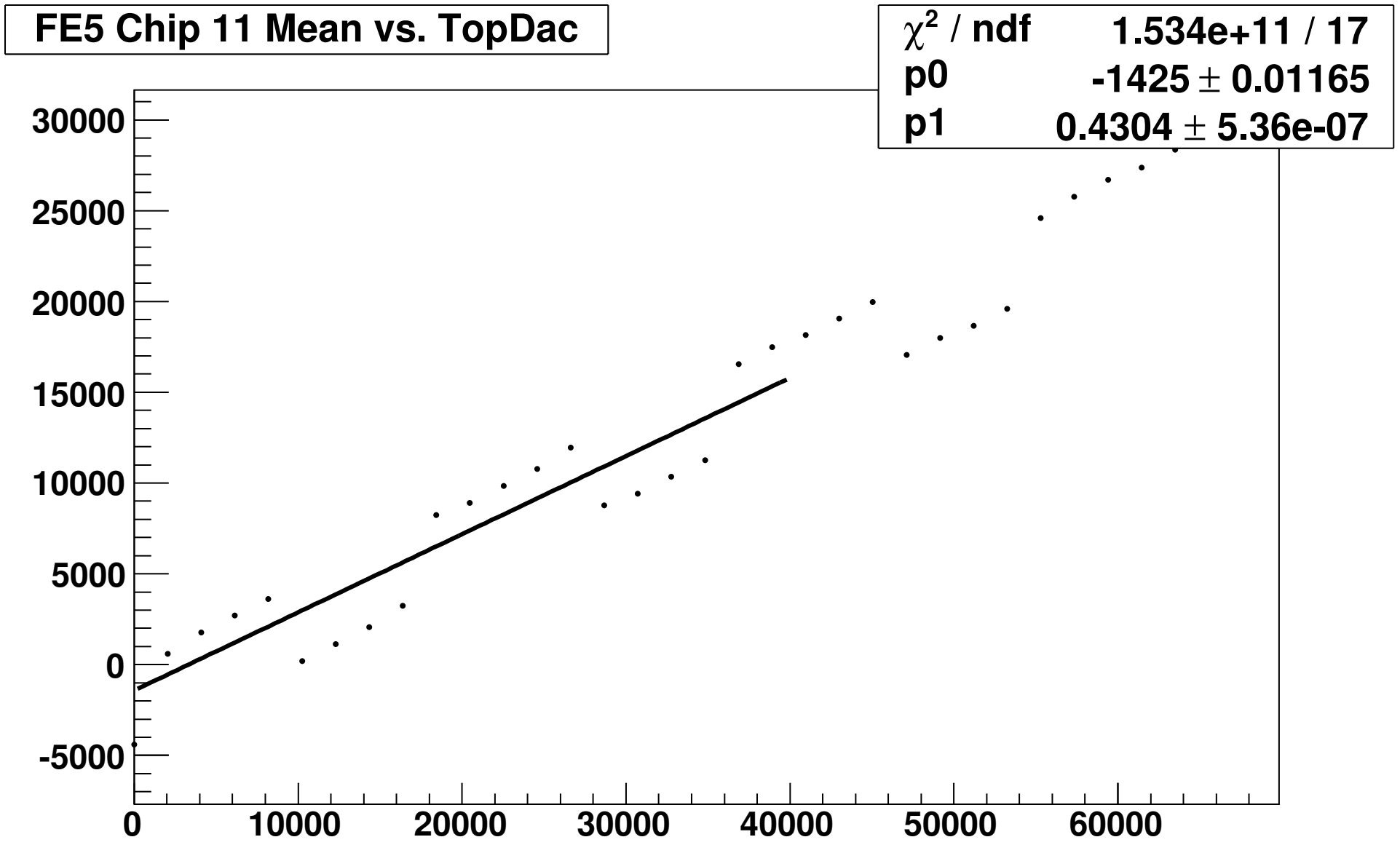

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 88.45 / 17
p0 1.567 ± 0.002705
p1 -8.799e-16 ± 3.041e-06
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

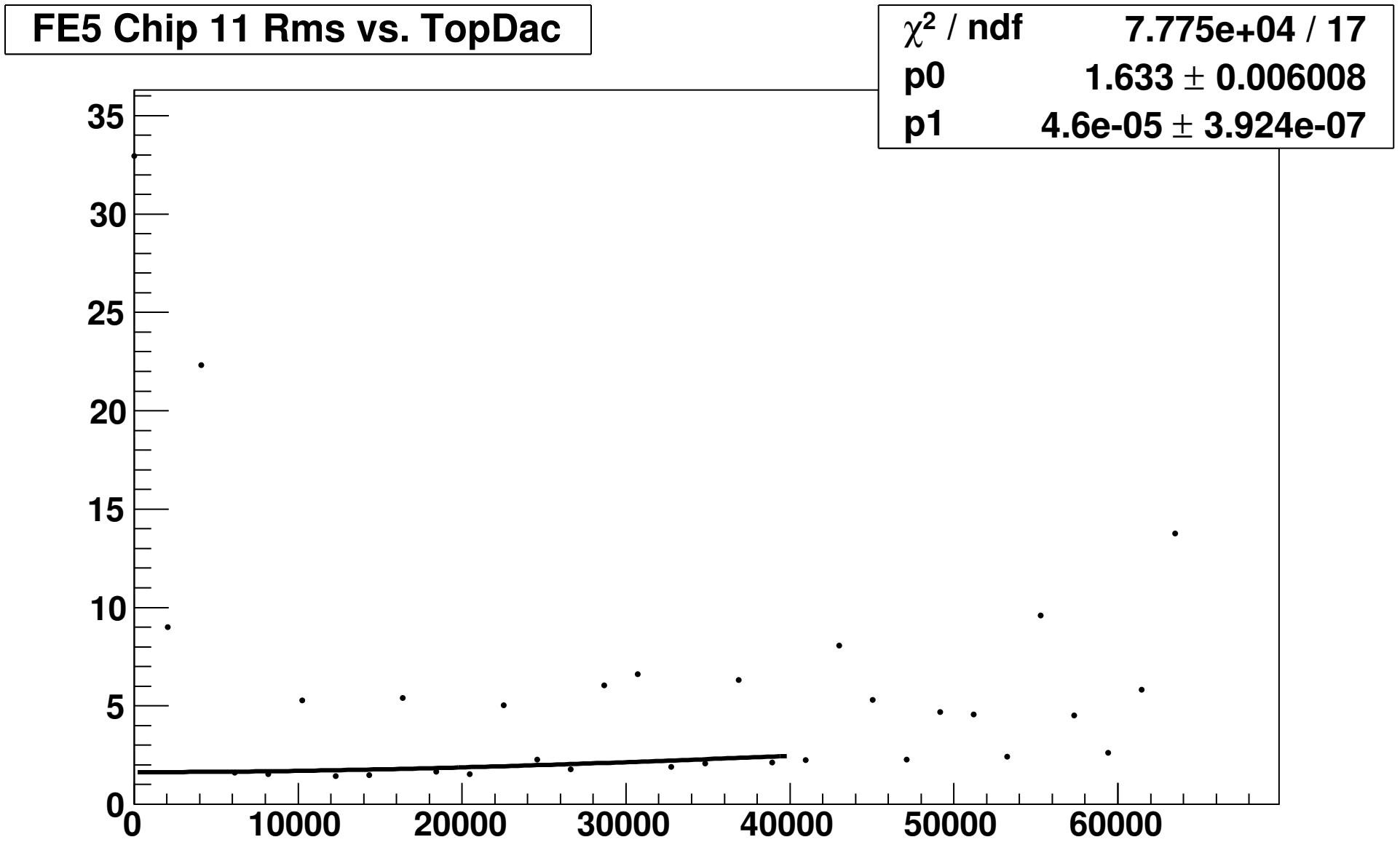

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.485e+11 / 17
p0 -1352 ± 0.01037
p1 0.4401 ± 4.844e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

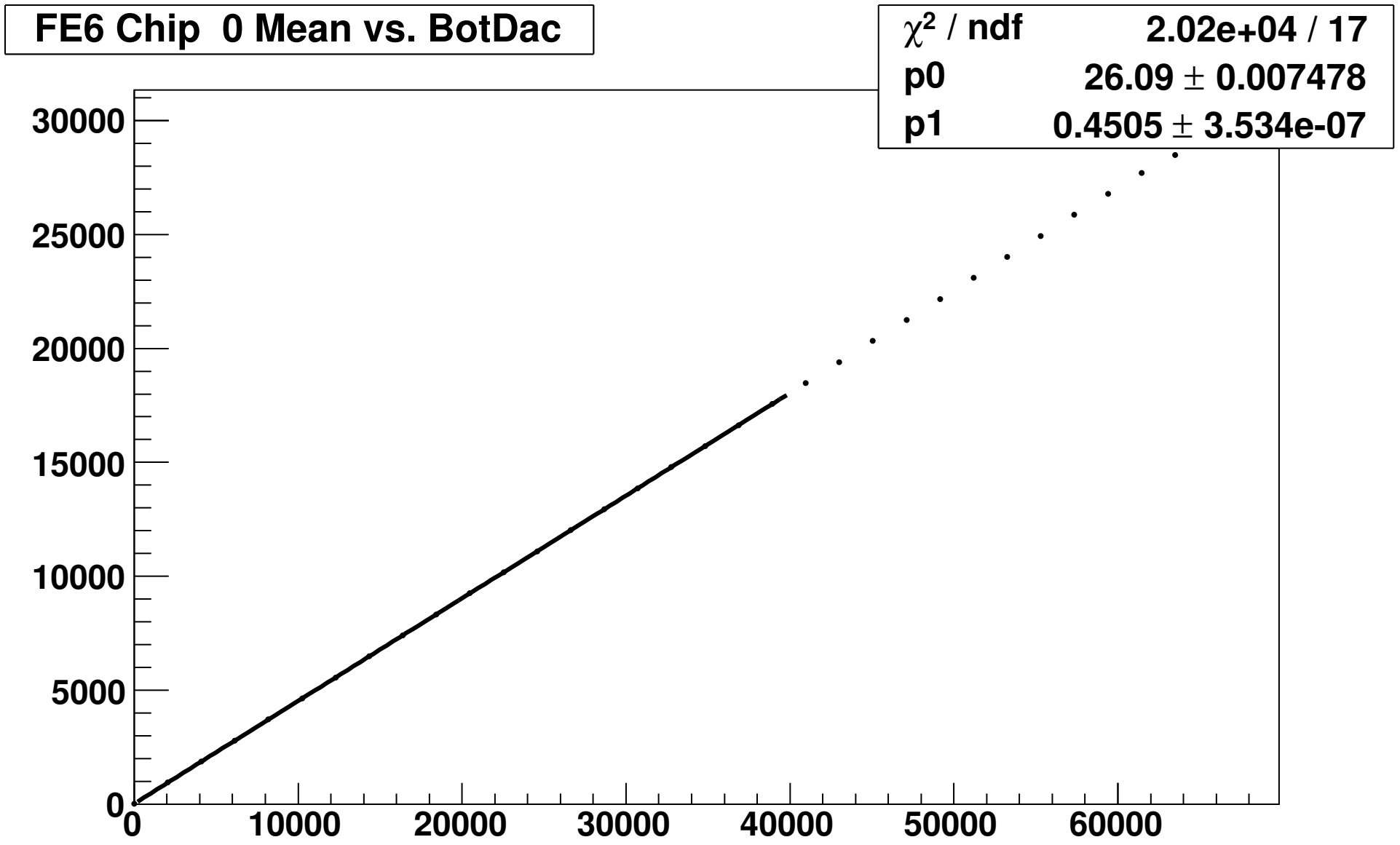

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 7.504e+04 / 17
p0 1.625 ± 0.005462
p1 4.503e-05 ± 3.443e-07
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

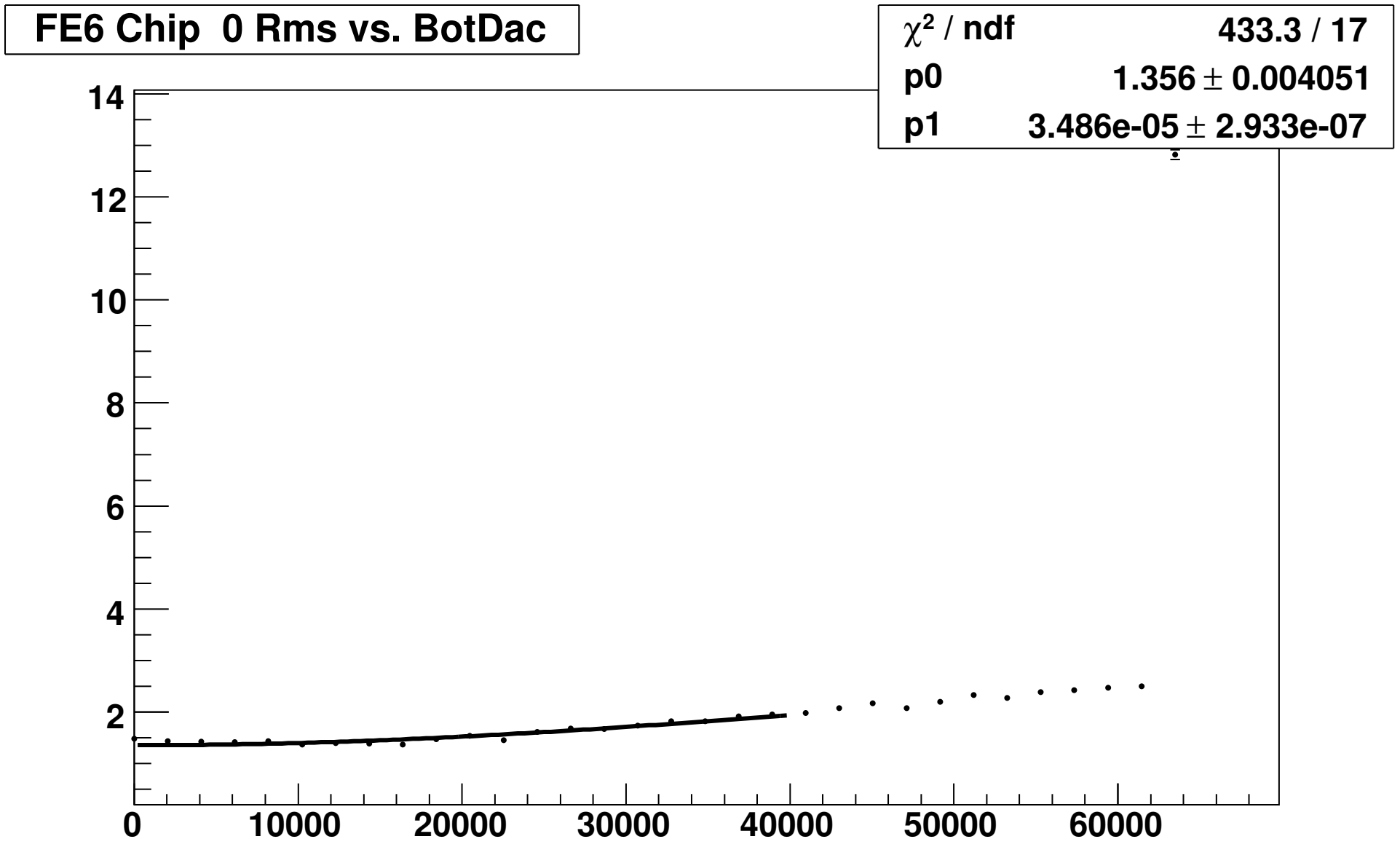

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 133.3 / 17
p0 -4411 ± 0.008007
p1 8.134e-06 ± 3.433e-07
-4410.4
-4410.5
-4410.6
-4410.7
-4410.8
-4410.9
0
10000
20000
30000
40000
50000
60000

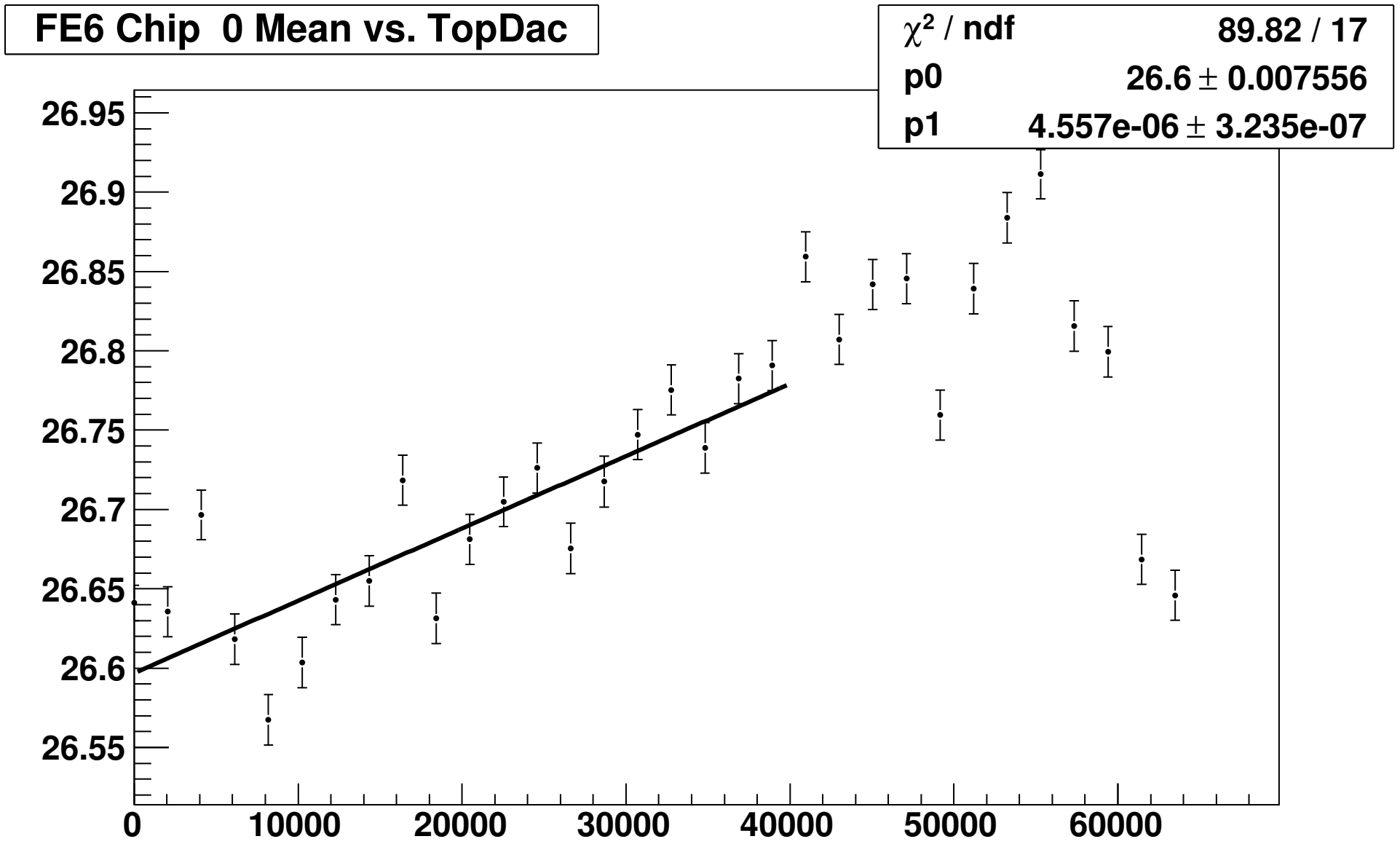

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 22.16 / 17
p0 1.574 ± 0.004145
p1 3.943e-06 ± 2.303e-06
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

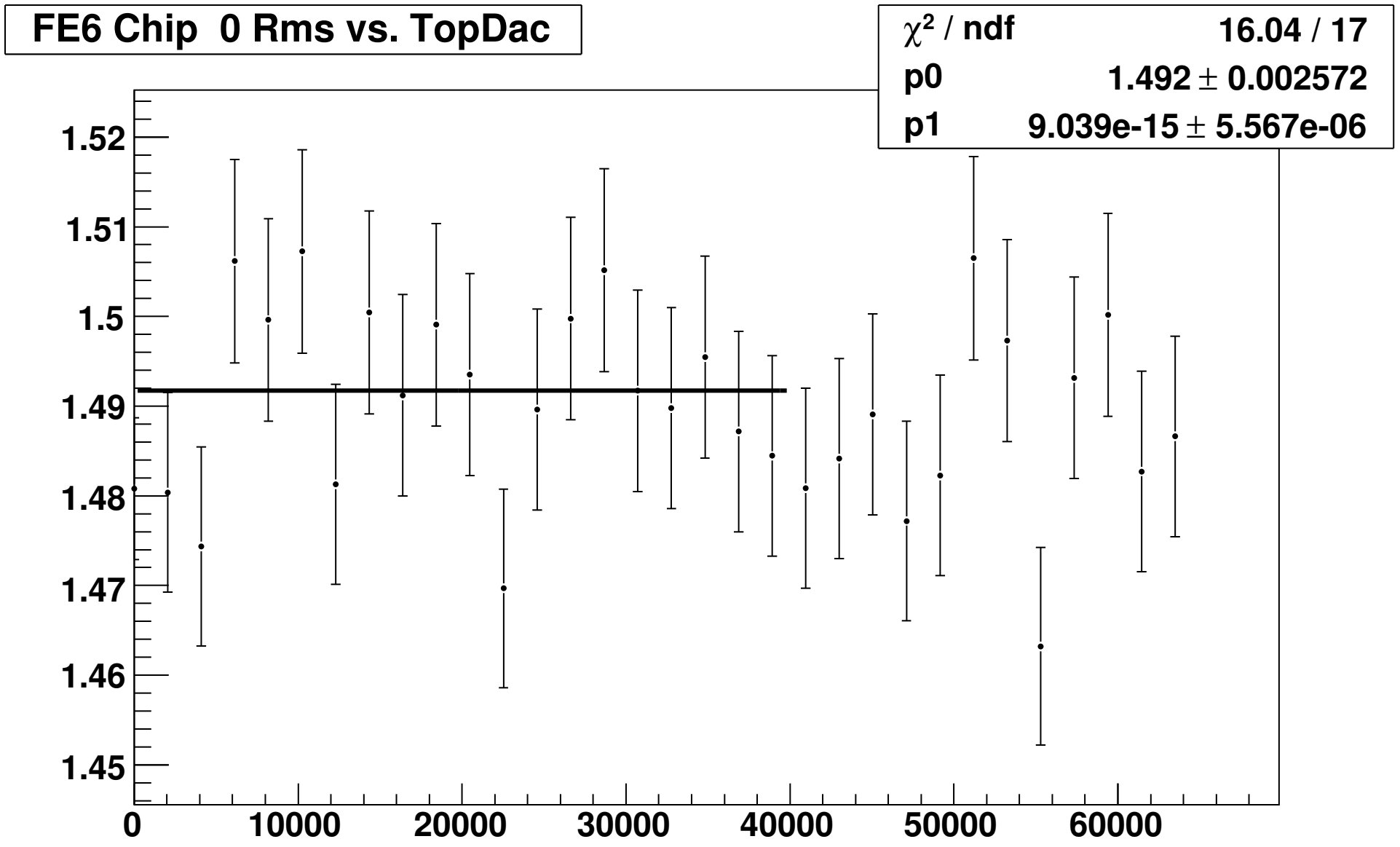

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.534e+11 / 17
p0 -1425 ± 0.01165
p1 0.4304 ± 5.36e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

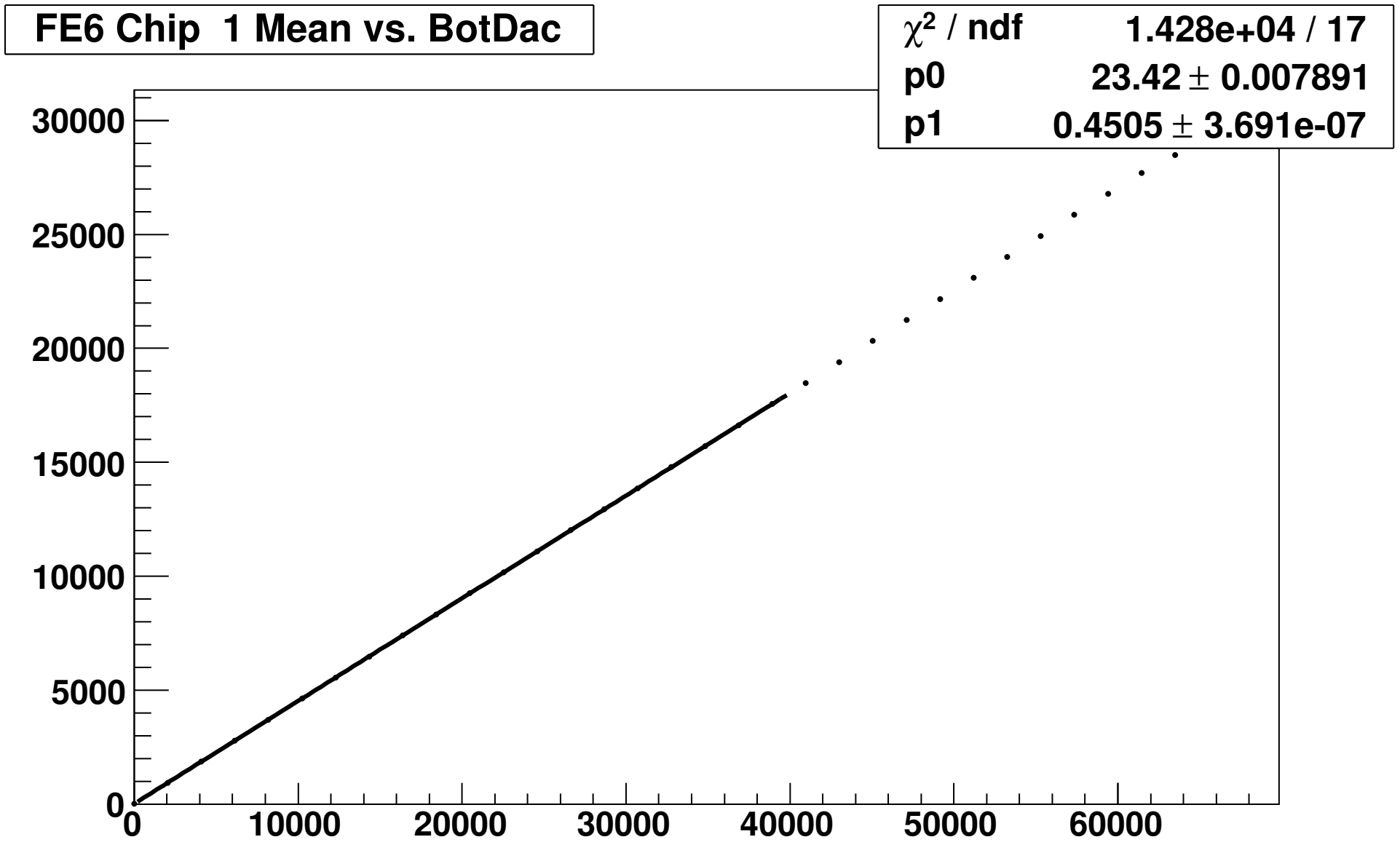

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 7.775e+04 / 17
p0 1.633 ± 0.006008
p1 4.6e-05 ± 3.924e-07
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

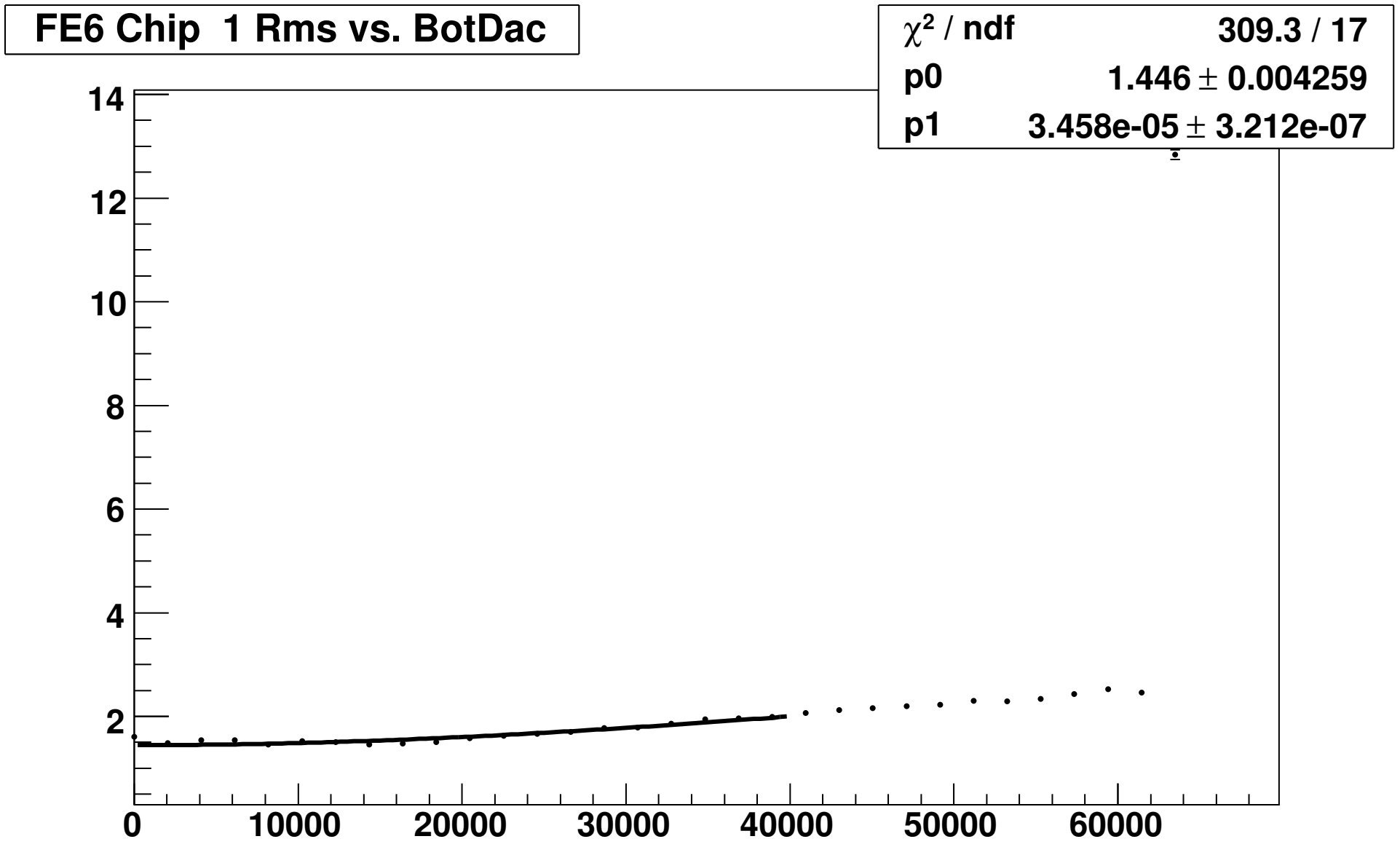

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 2.02e+04 / 17
p0 26.09 ± 0.007478
p1 0.4505 ± 3.534e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

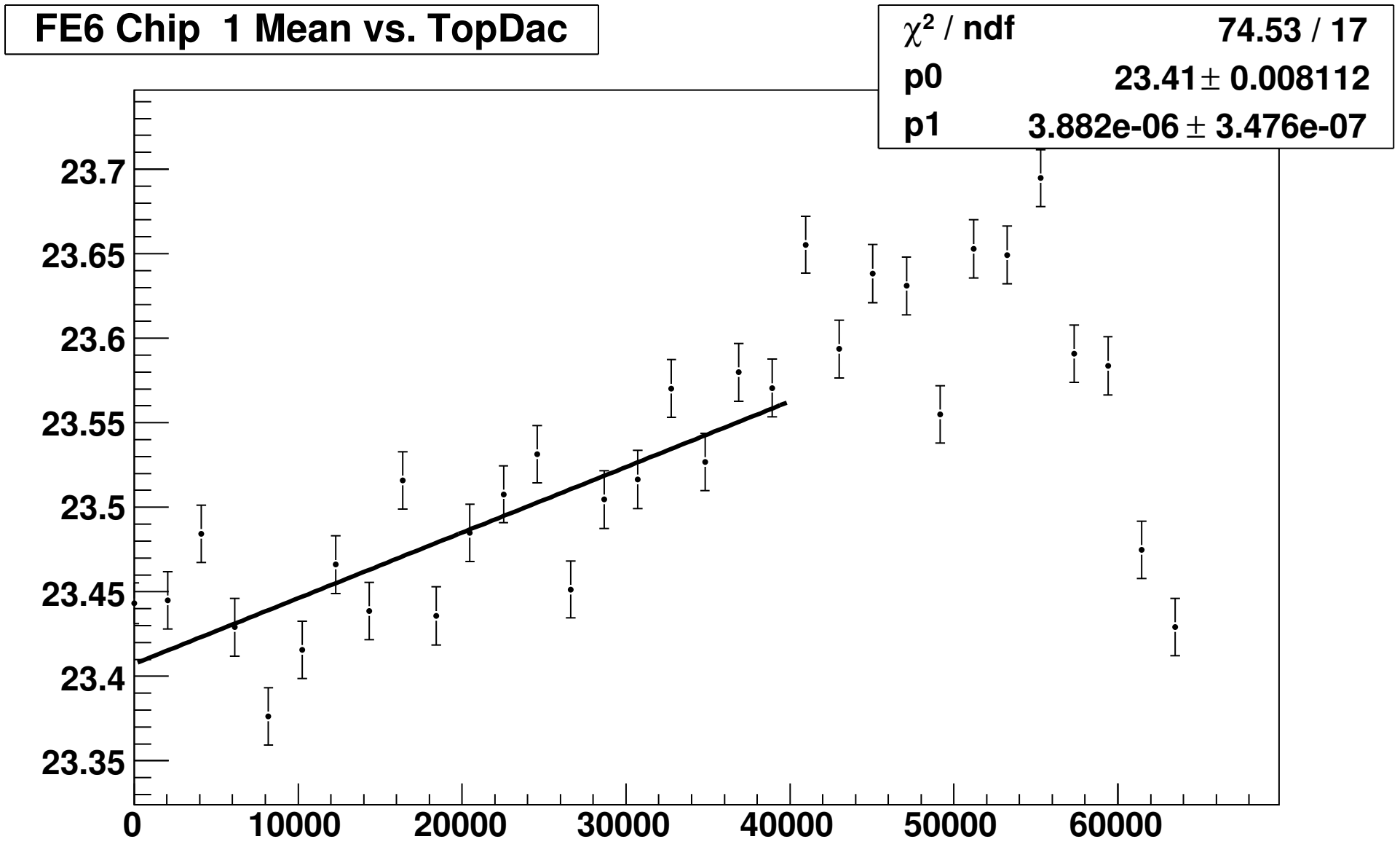

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 433.3 / 17
p0 1.356 ± 0.004051
p1 3.486e-05 ± 2.933e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

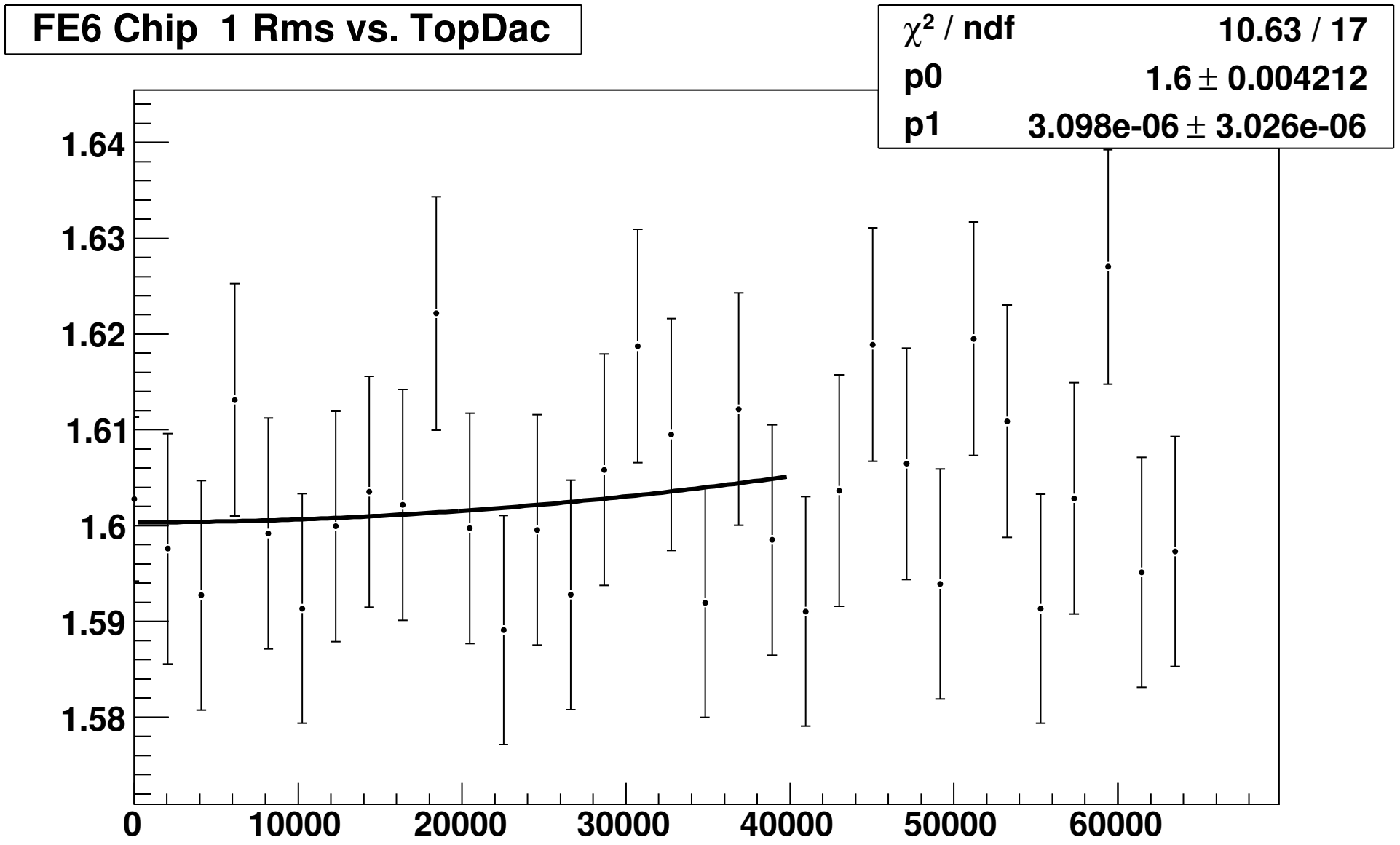

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 89.82 / 17
p0 26.6 ± 0.007556
p1 4.557e-06 ± 3.235e-07
26.95
26.9
26.85
26.8
26.75
26.7
26.65
26.6
26.55
0
10000
20000
30000
40000
50000
60000

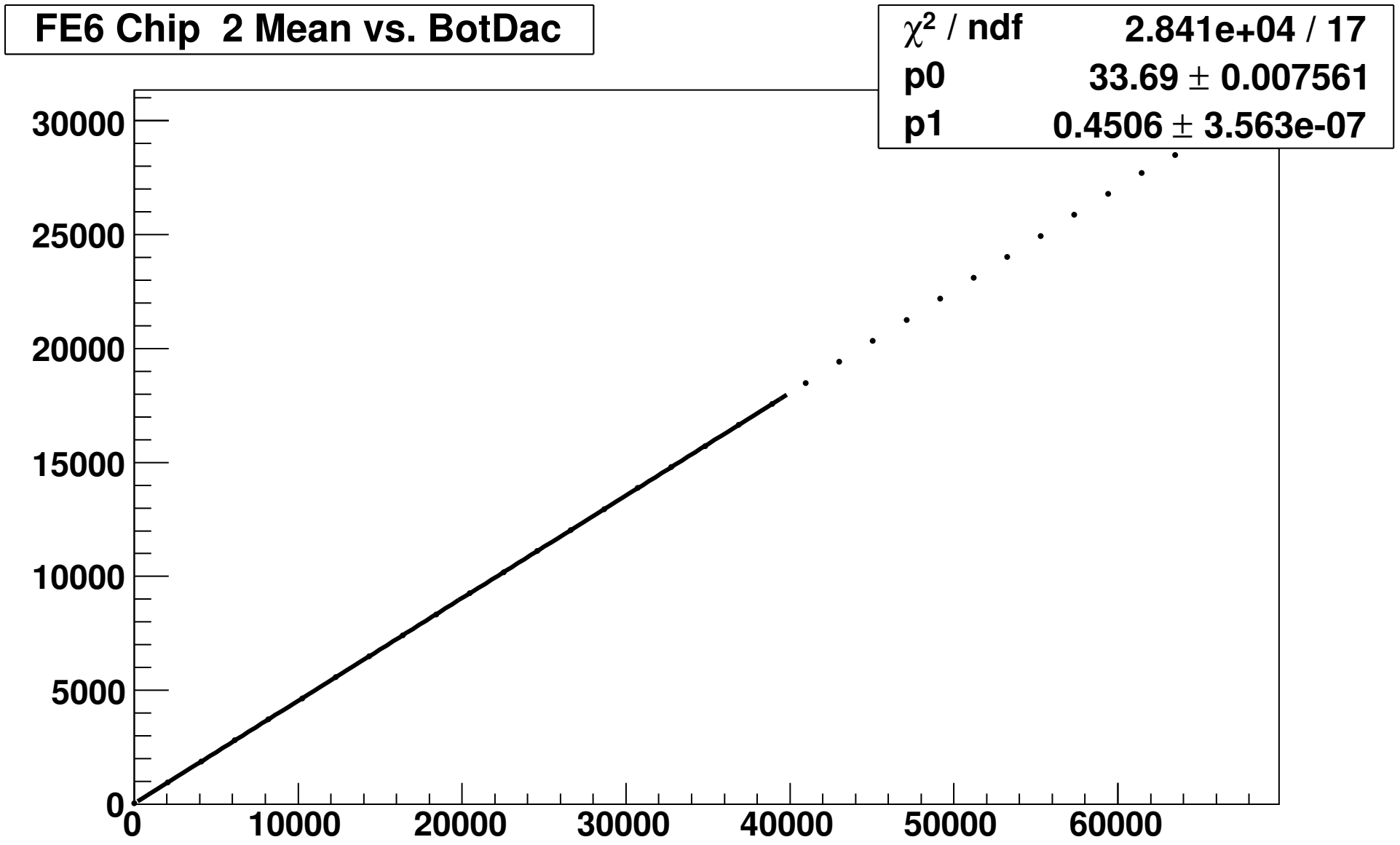

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 16.04 / 17
p0 1.492 ± 0.002572
p1 9.039e-15 ± 5.567e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

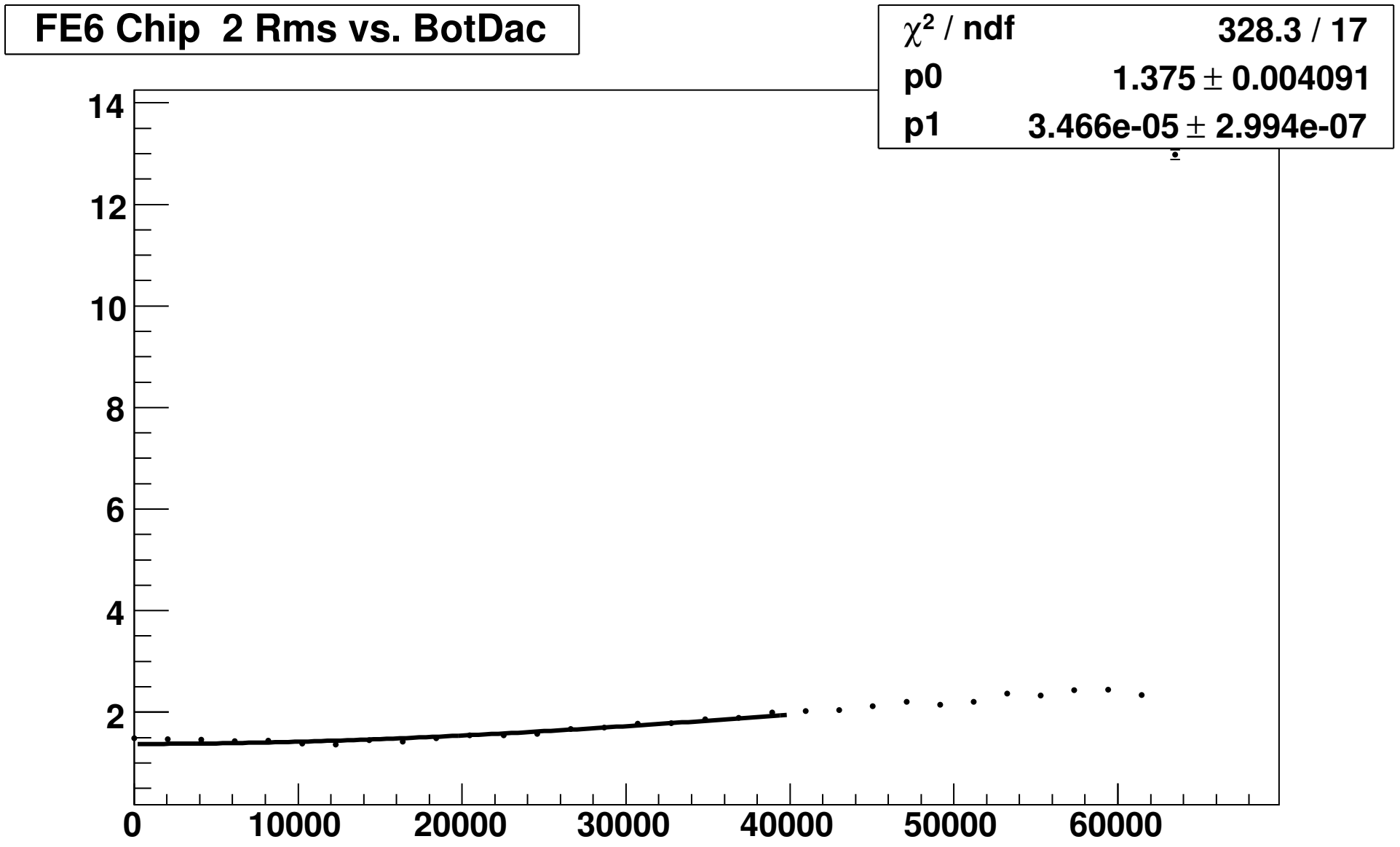

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.428e+04 / 17
p0 23.42 ± 0.007891
p1 0.4505 ± 3.691e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

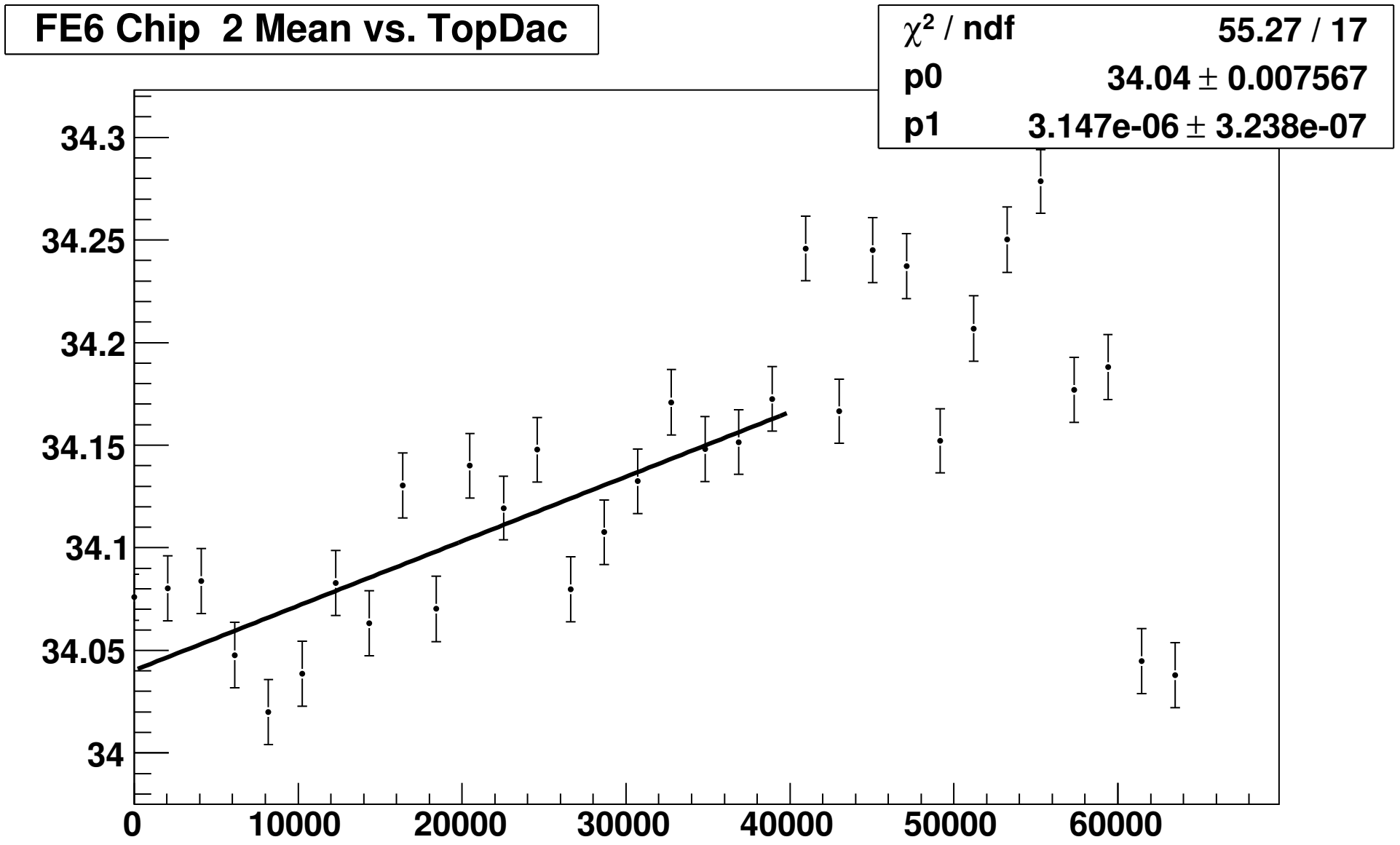

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 309.3 / 17
p0 1.446 ± 0.004259
p1 3.458e-05 ± 3.212e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

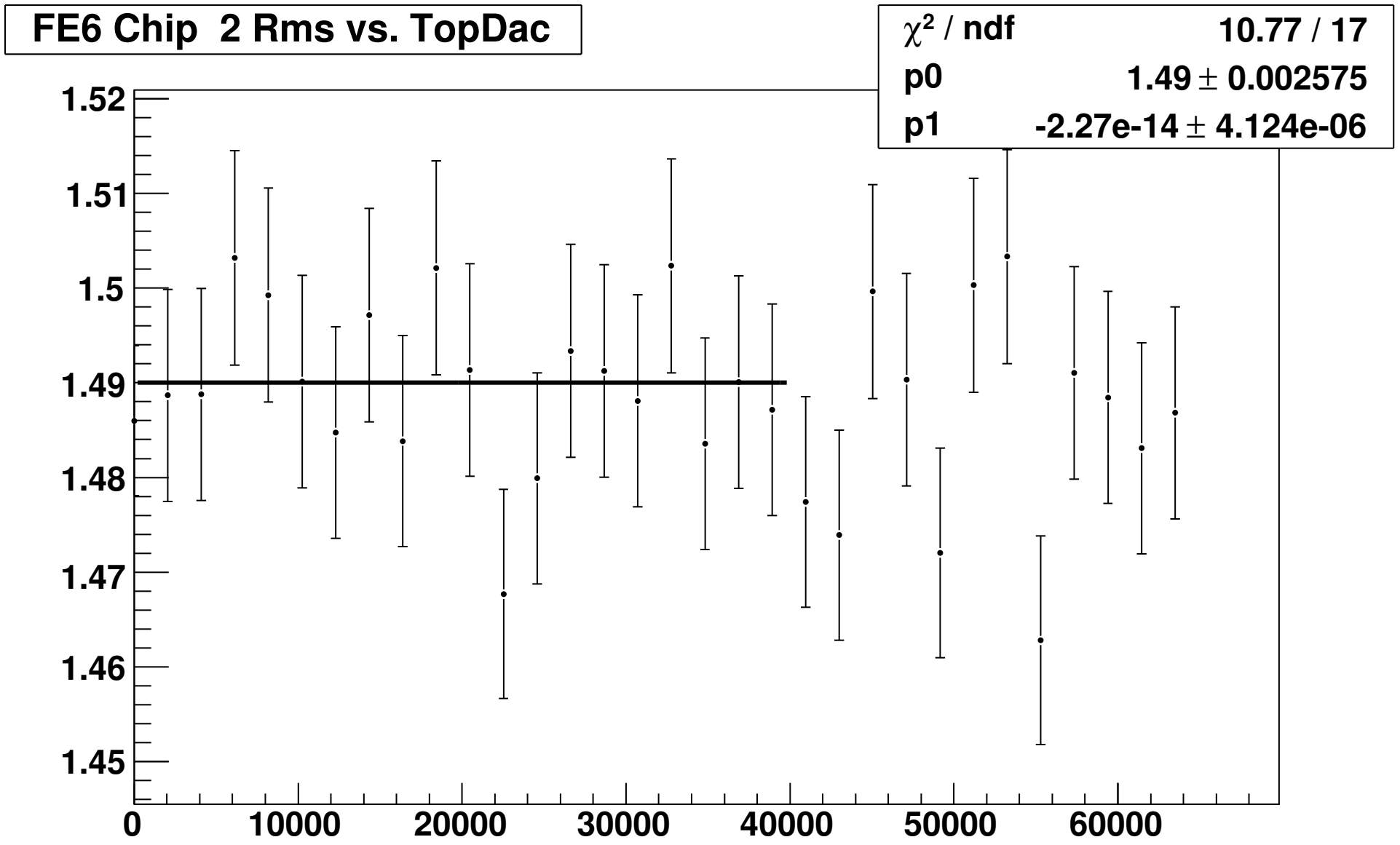

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 74.53 / 17
p0 23.41 ± 0.008112
p1 3.882e-06 ± 3.476e-07
23.7
23.65
23.6
23.55
23.5
23.45
23.4
23.35
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 10.63 / 17
p0 1.6 ± 0.004212
p1 3.098e-06 ± 3.026e-06
1.64
1.63
1.62
1.61
1.6
1.59
1.58
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 2.841e+04 / 17
p0 33.69 ± 0.007561
p1 0.4506 ± 3.563e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 328.3 / 17
p0 1.375 ± 0.004091
p1 3.466e-05 ± 2.994e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 55.27 / 17
p0 34.04 ± 0.007567
p1 3.147e-06 ± 3.238e-07
34.3
34.25
34.2
34.15
34.1
34.05
34
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 10.77 / 17
p0 1.49 ± 0.002575
p1 -2.27e-14 ± 4.124e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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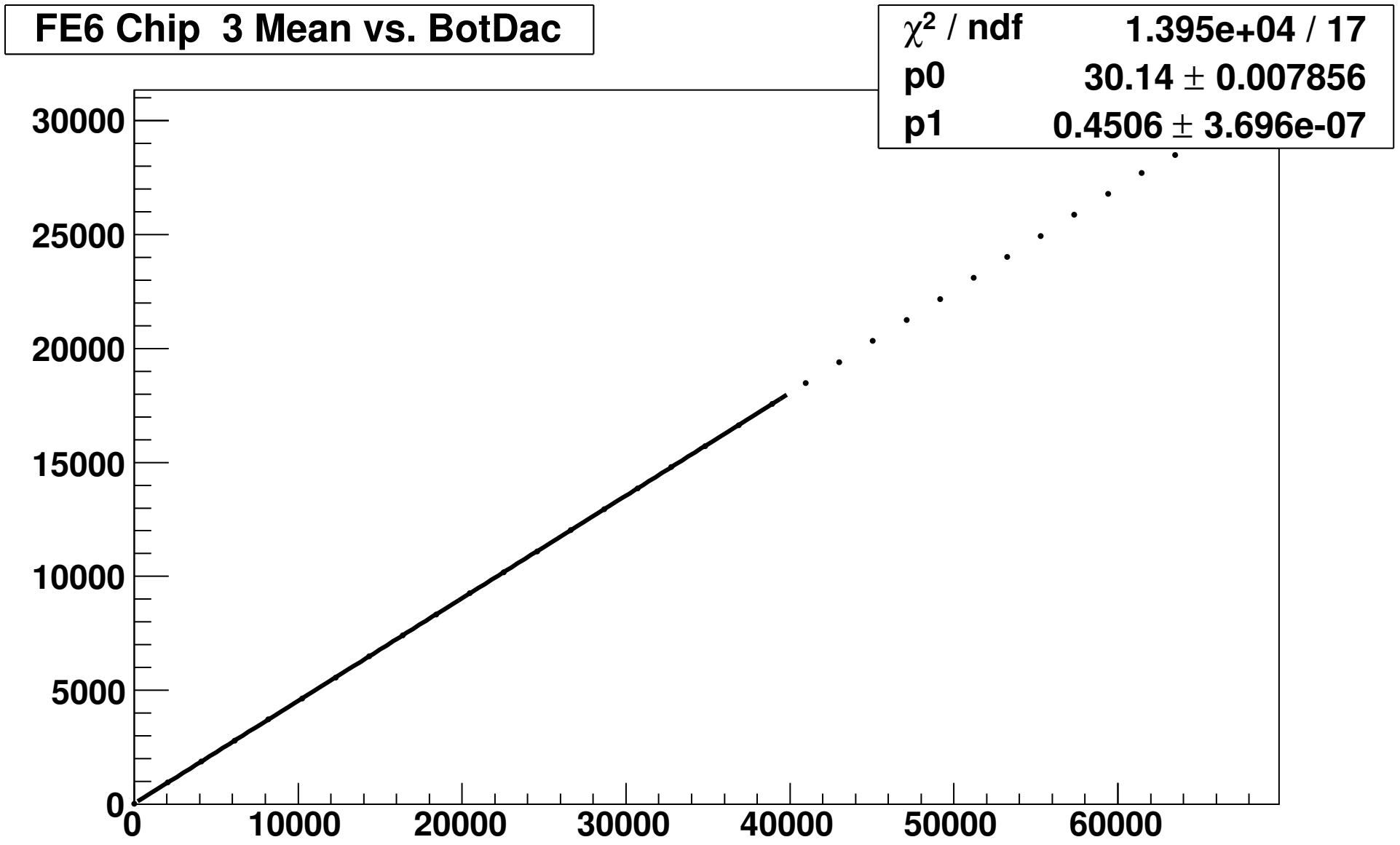
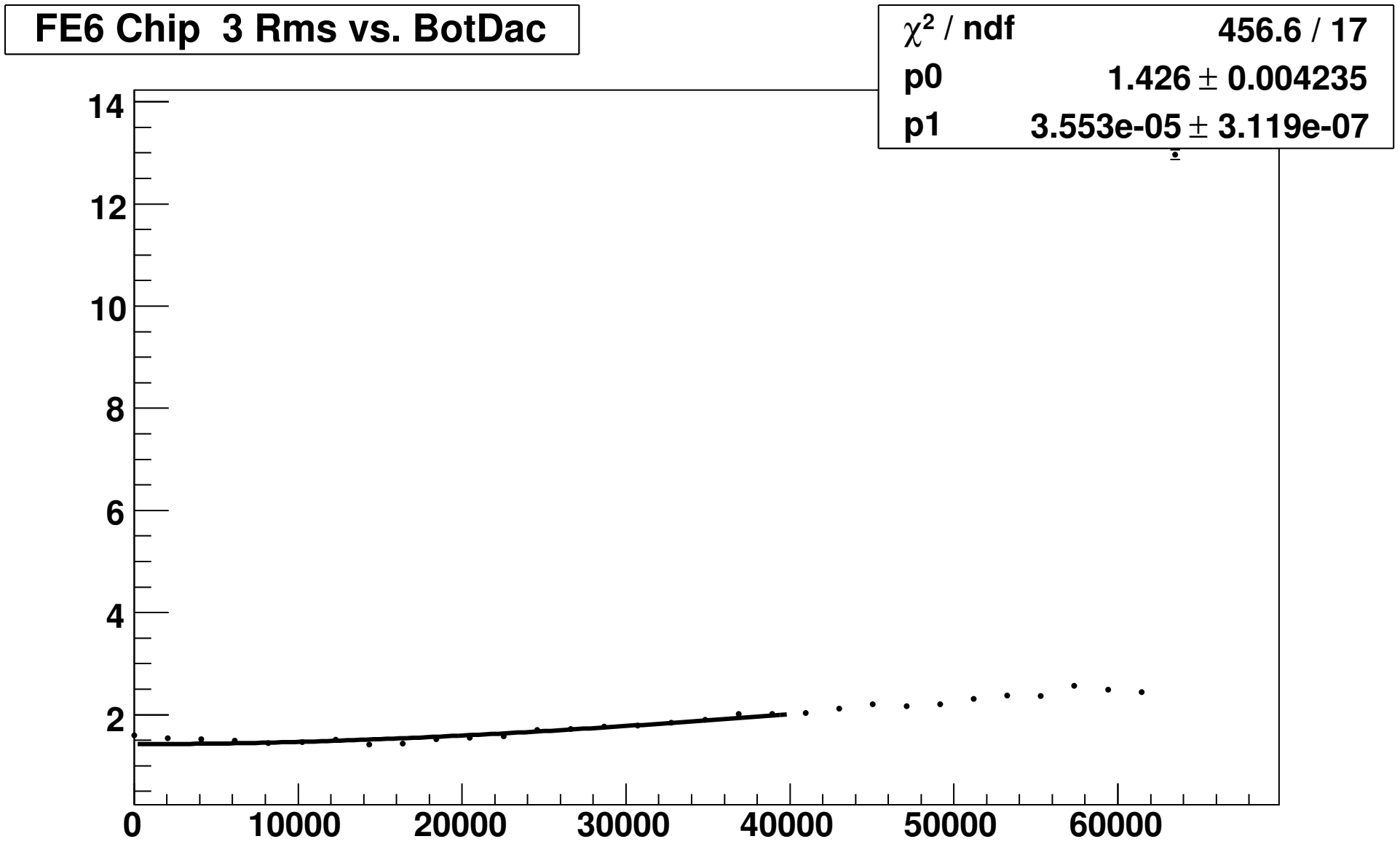

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.395e+04 / 17
p0 30.14 ± 0.007856
p1 0.4506 ± 3.696e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 456.6 / 17
p0 1.426 ± 0.004235
p1 3.553e-05 ± 3.119e-07
14
12
10
8
6
4
2
0
10000
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30000
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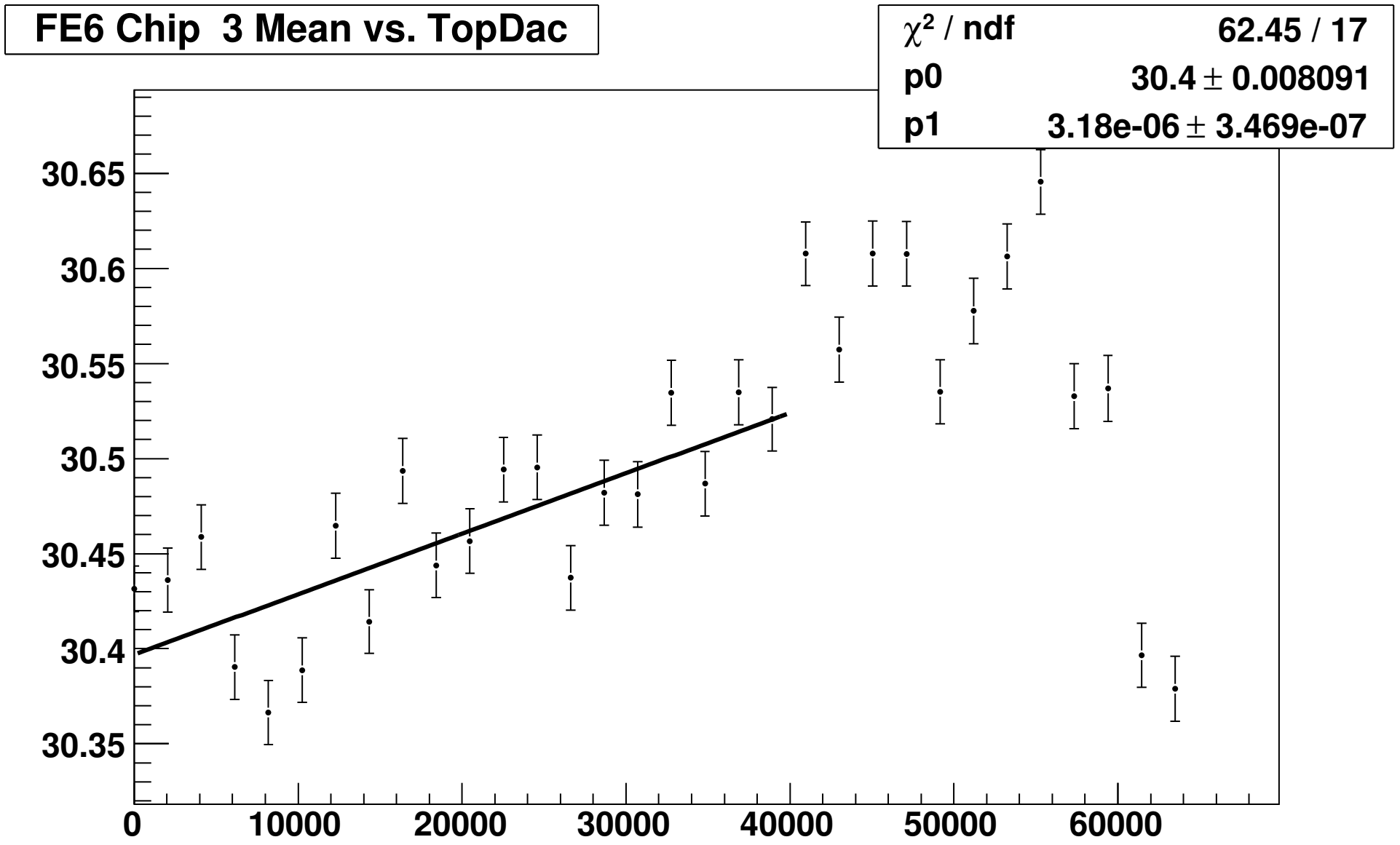
50000
60000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 62.45 / 17
p0 30.4 ± 0.008091
p1 3.18e-06 ± 3.469e-07
30.65
30.6
30.55
30.5
30.45
30.4
30.35
0
10000
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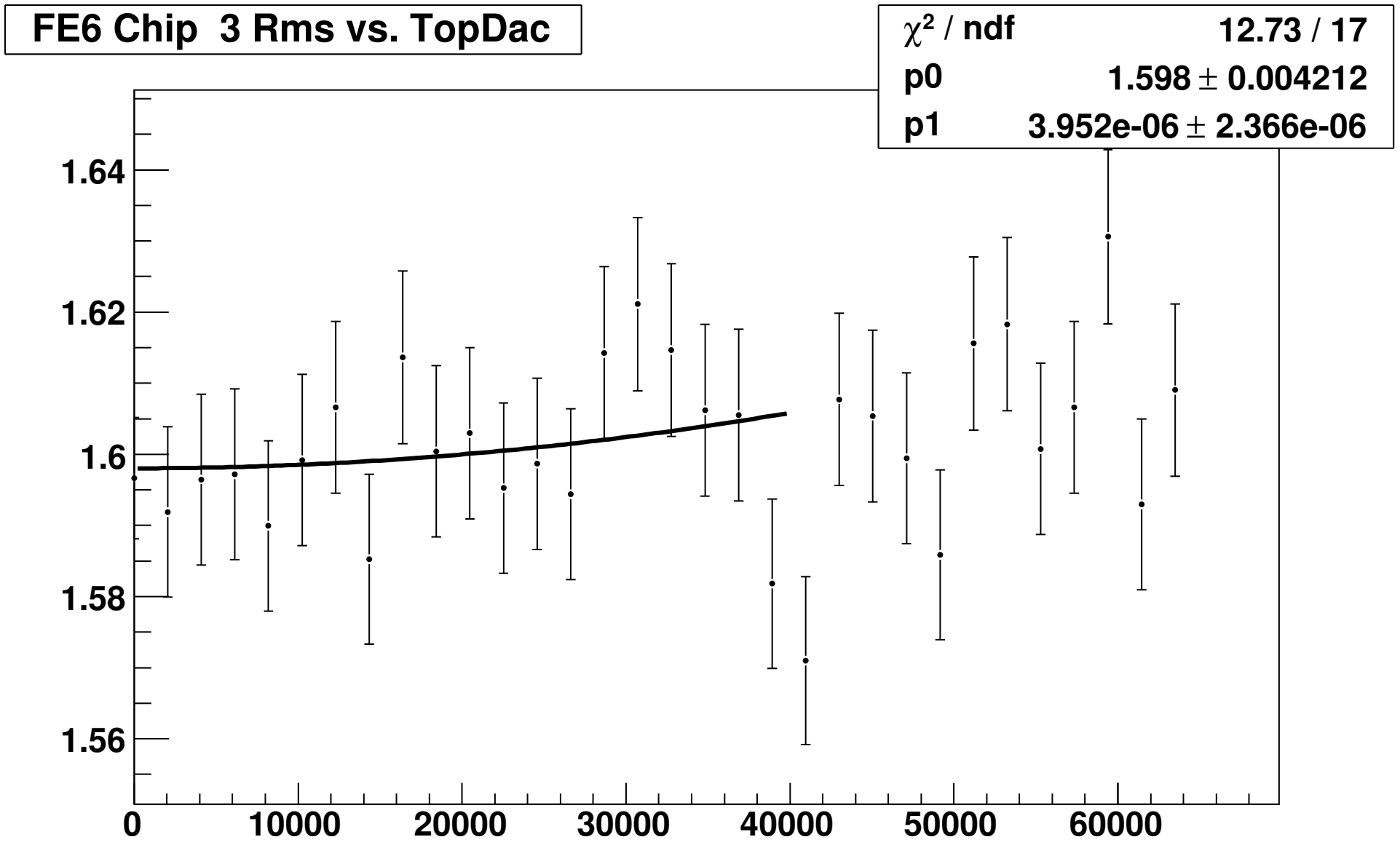
50000
60000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 12.73 / 17
p0 1.598 ± 0.004212
p1 3.952e-06 ± 2.366e-06
1.64
1.62
1.6
1.58
1.56
0
10000
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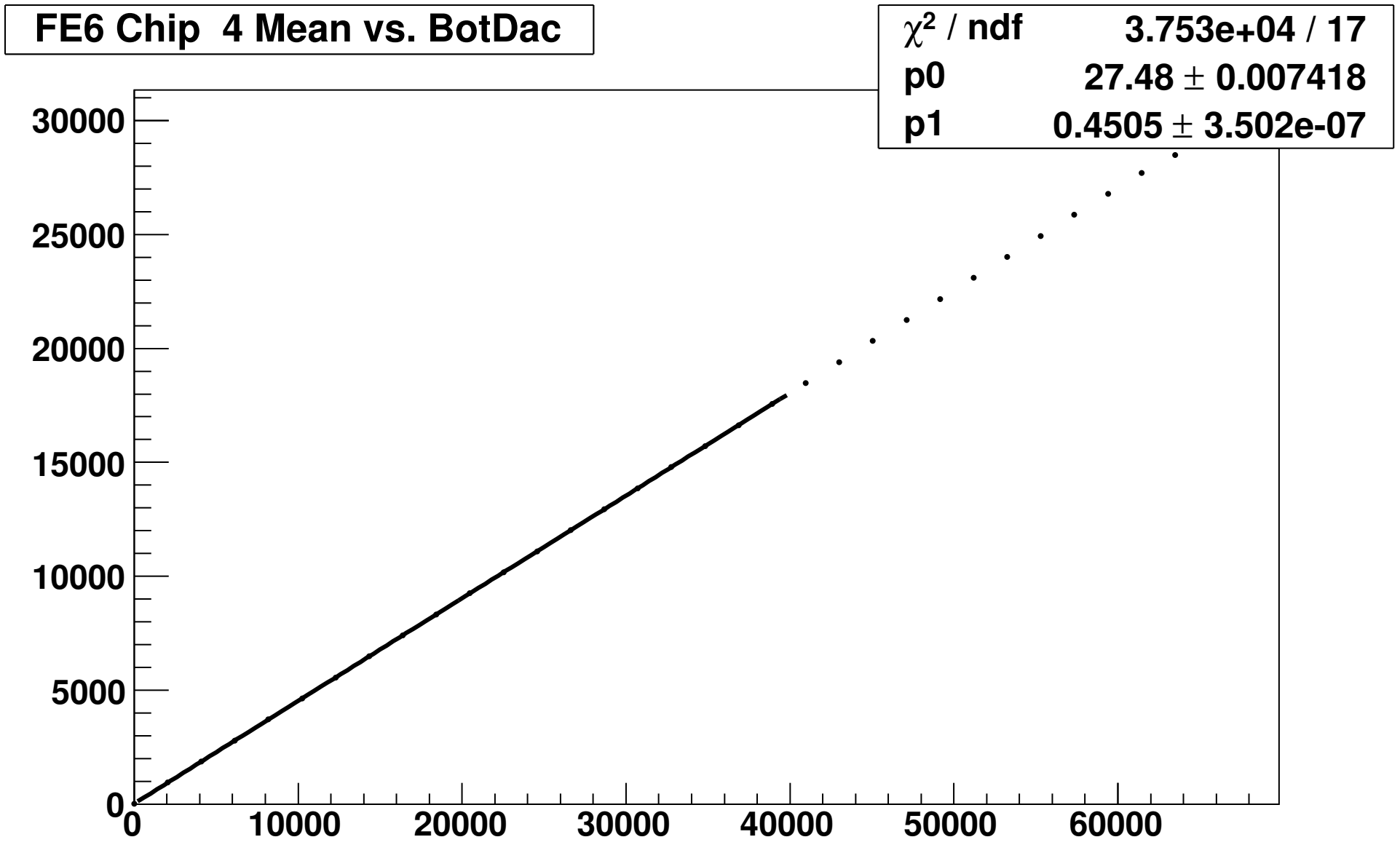
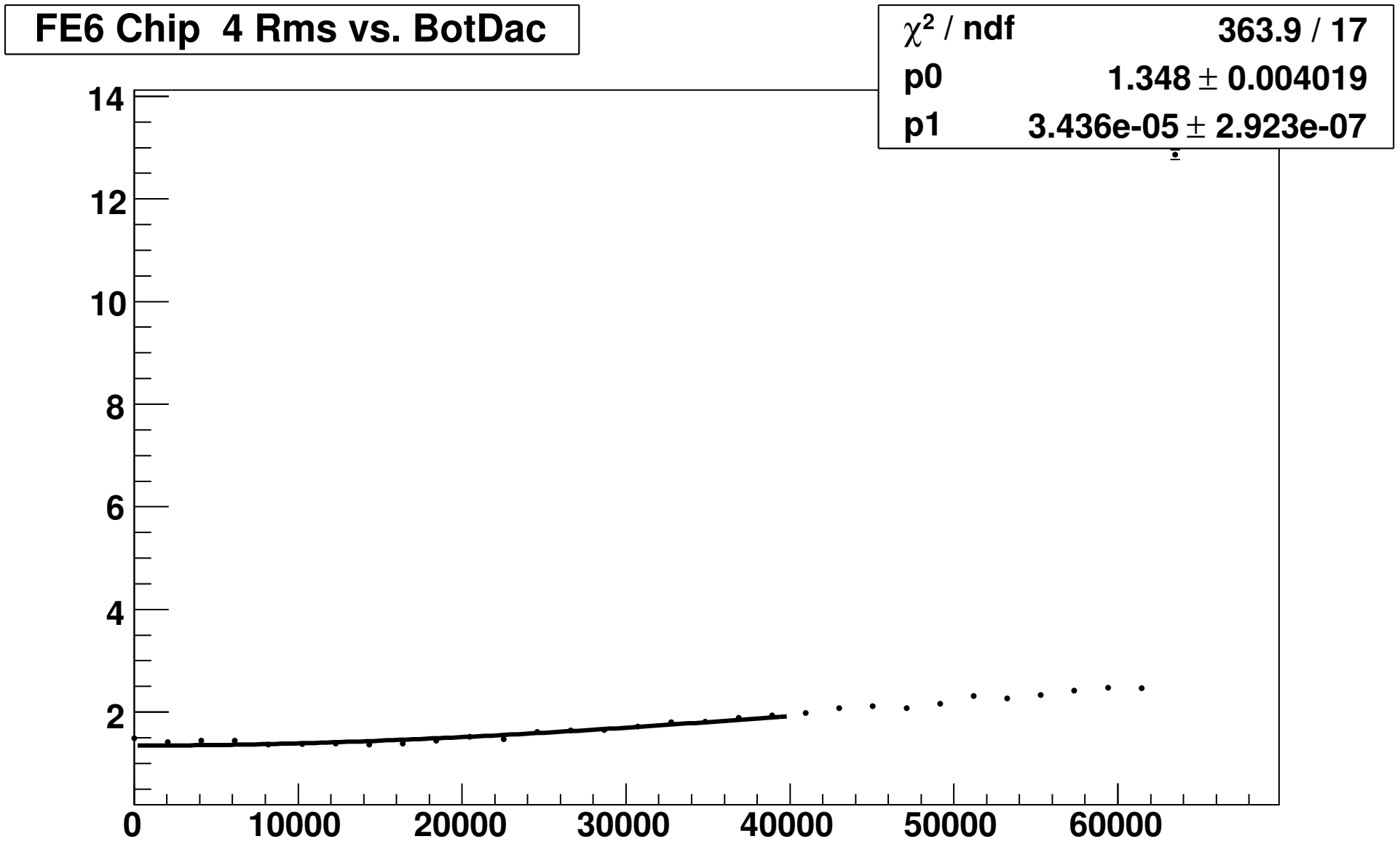
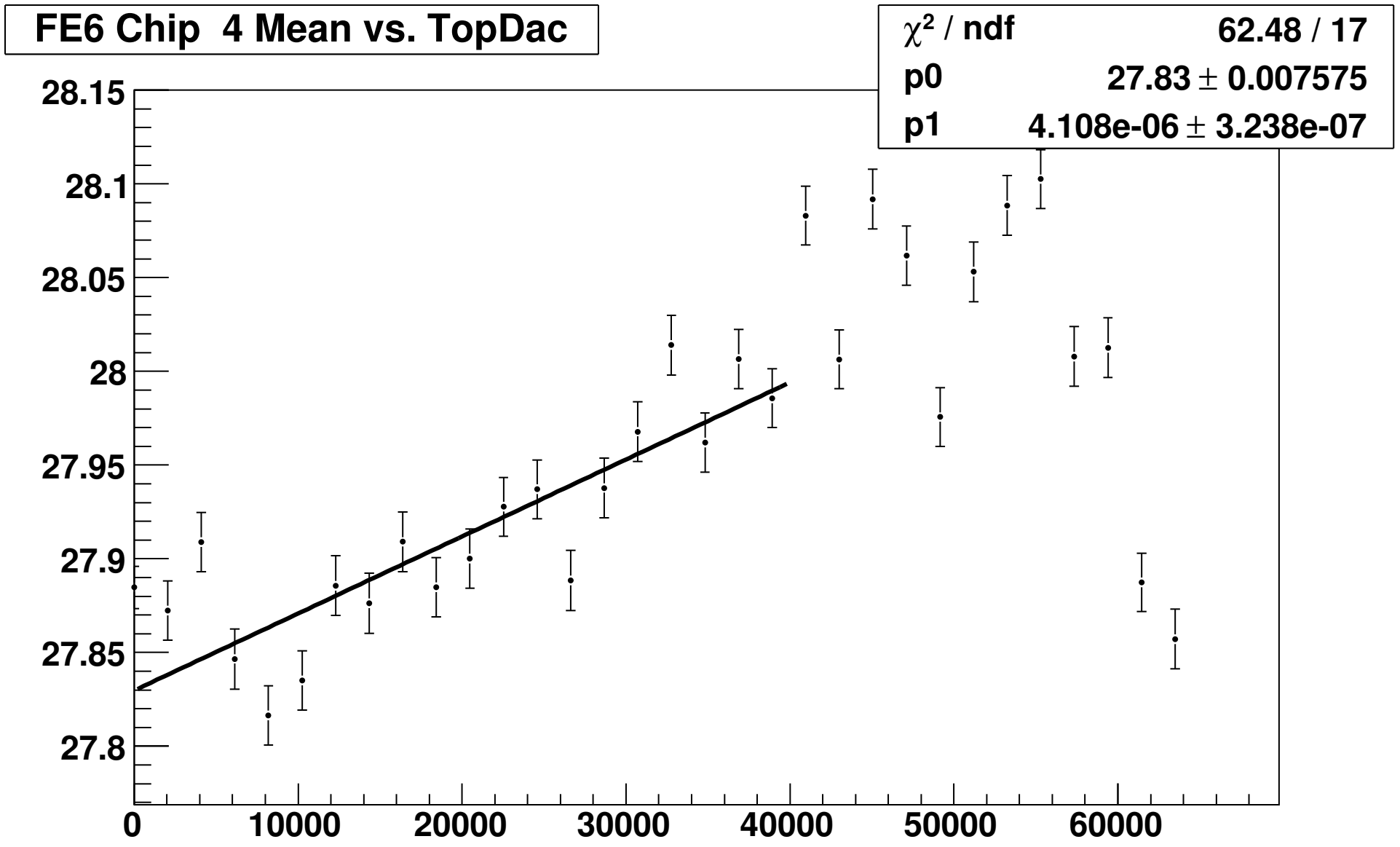
40000
50000
60000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 3.753e+04 / 17
p0 27.48 ± 0.007418
p1 0.4505 ± 3.502e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 363.9 / 17
p0 1.348 ± 0.004019
p1 3.436e-05 ± 2.923e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 62.48 / 17
p0 27.83 ± 0.007575
p1 4.108e-06 ± 3.238e-07
28.15
28.1
28.05
28
27.95
27.9
27.85
27.8
0
10000
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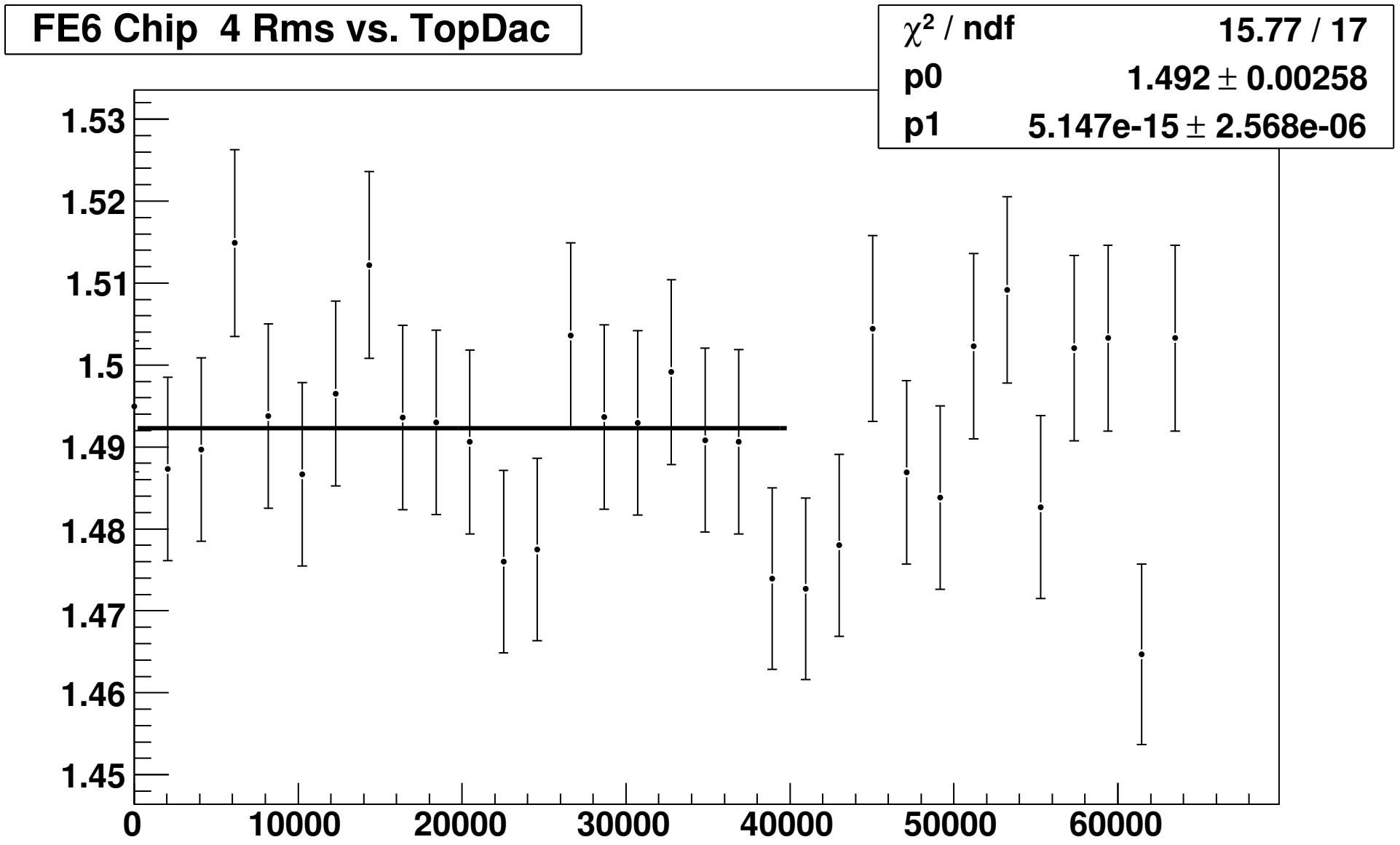
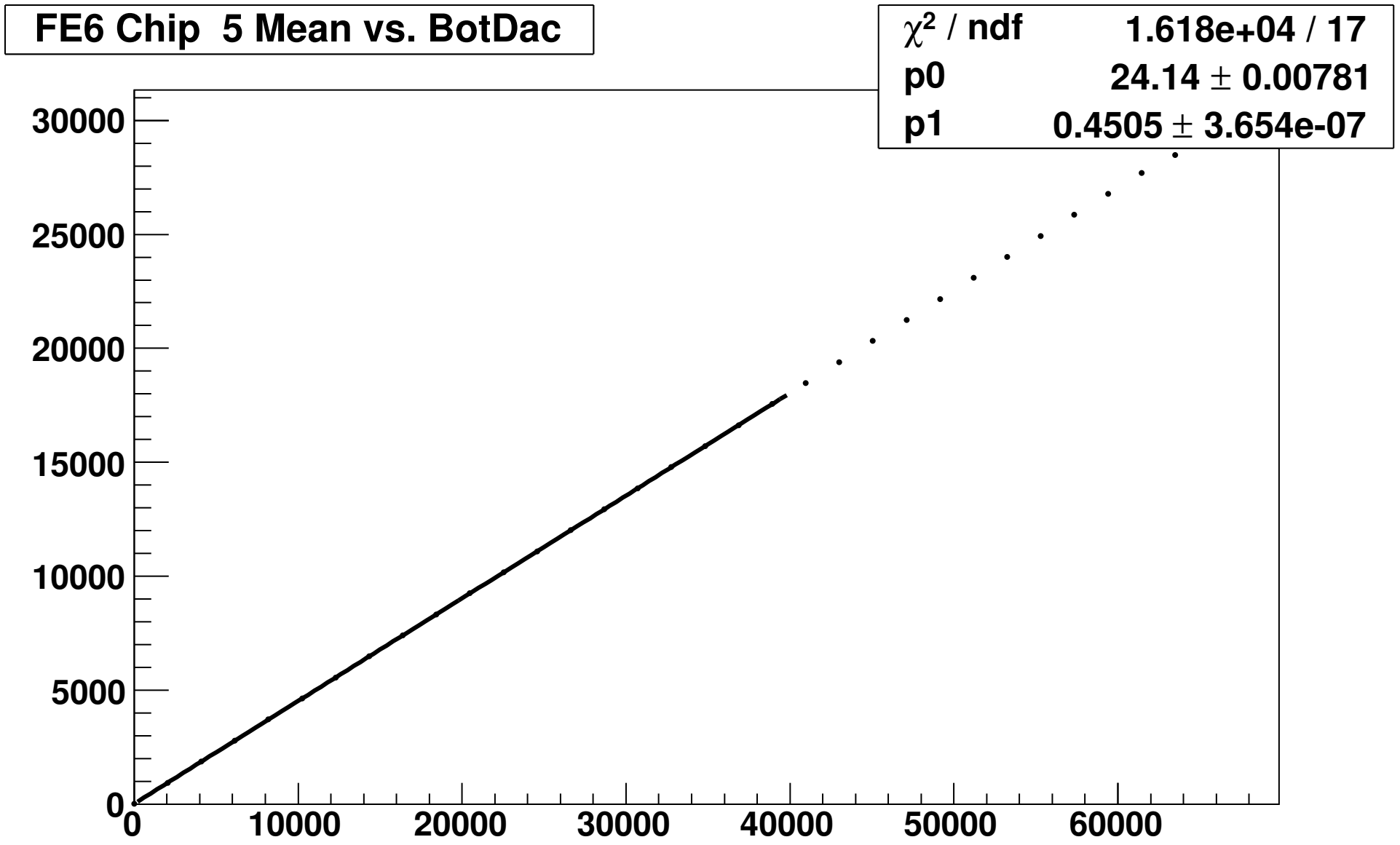
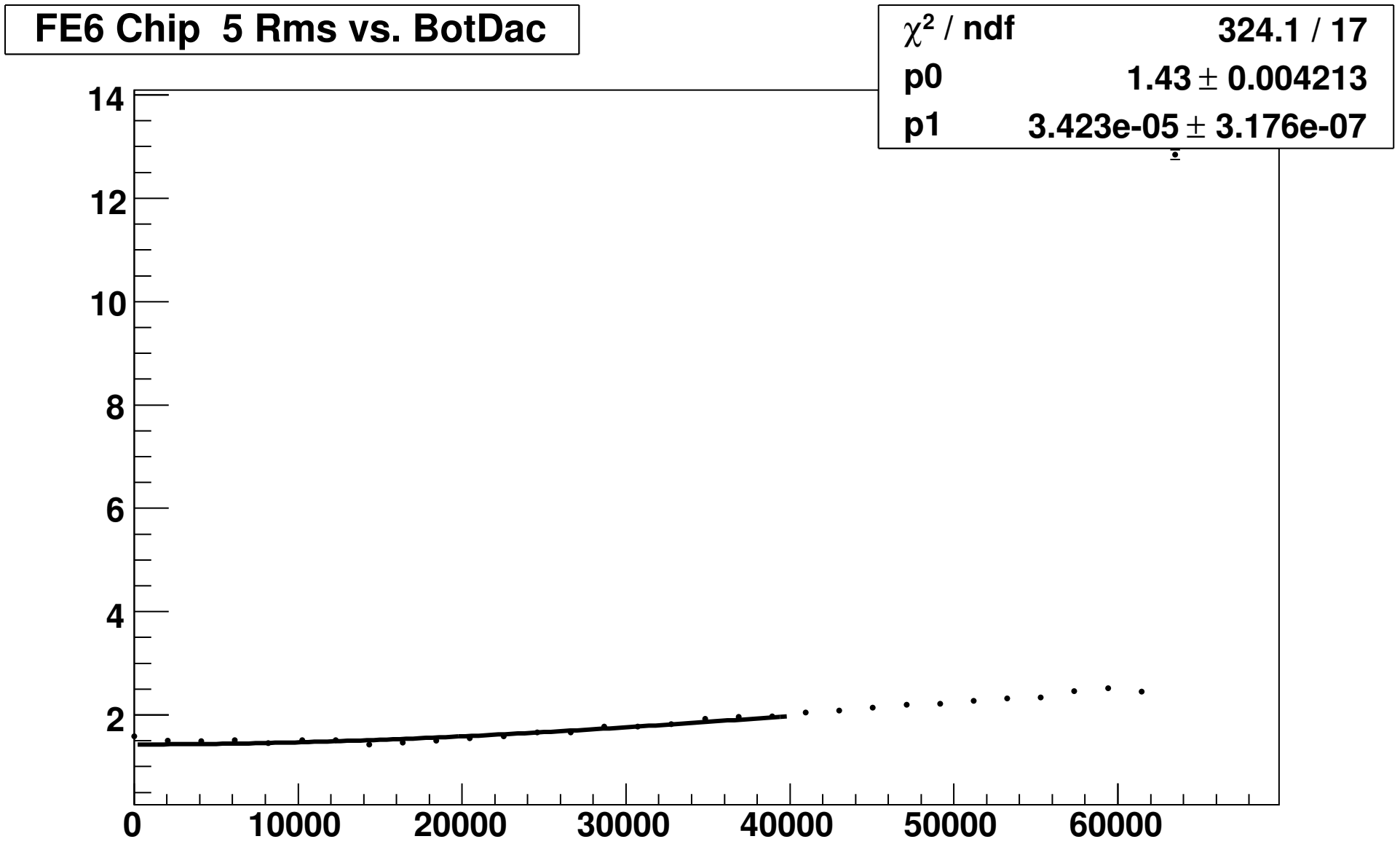
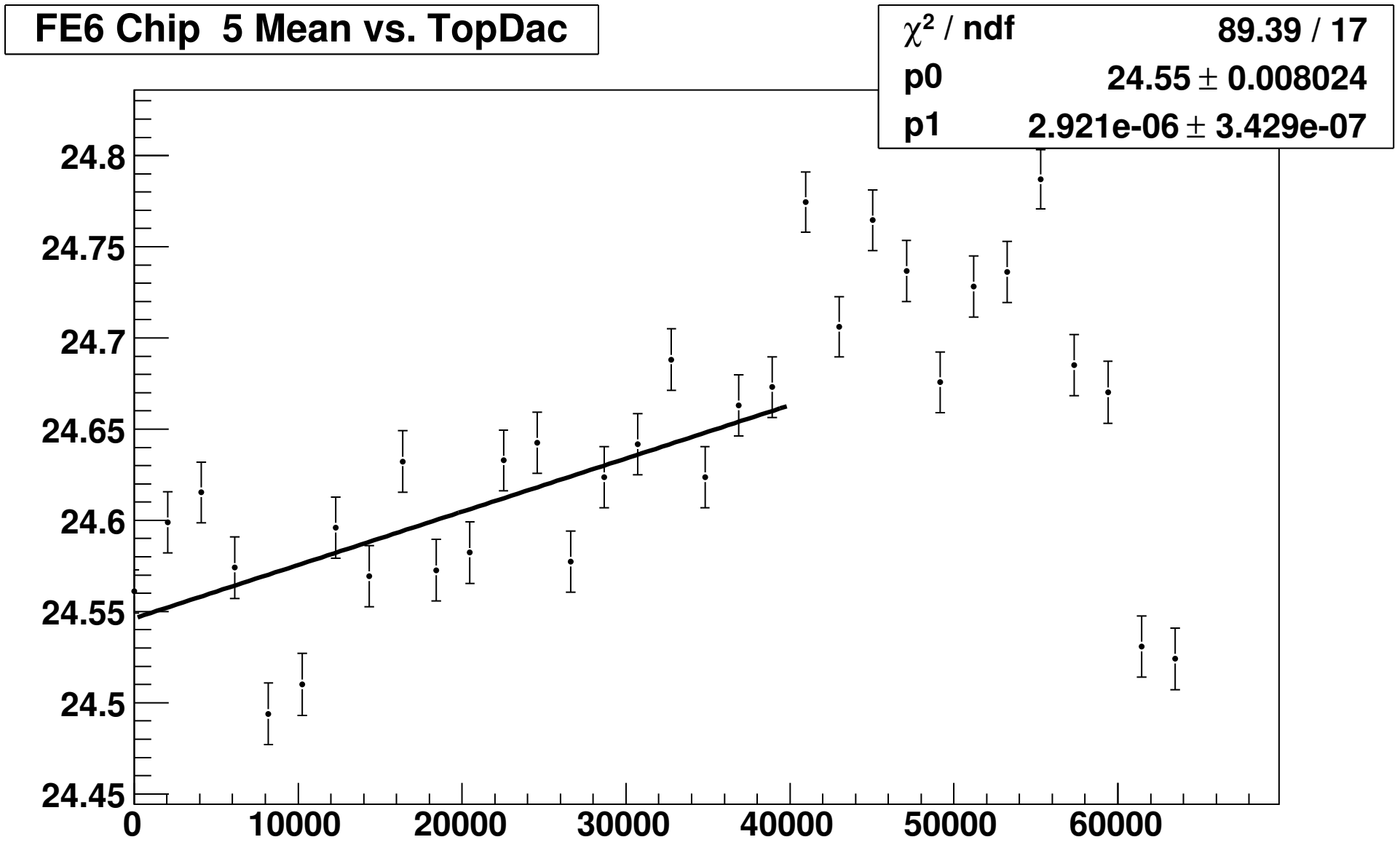
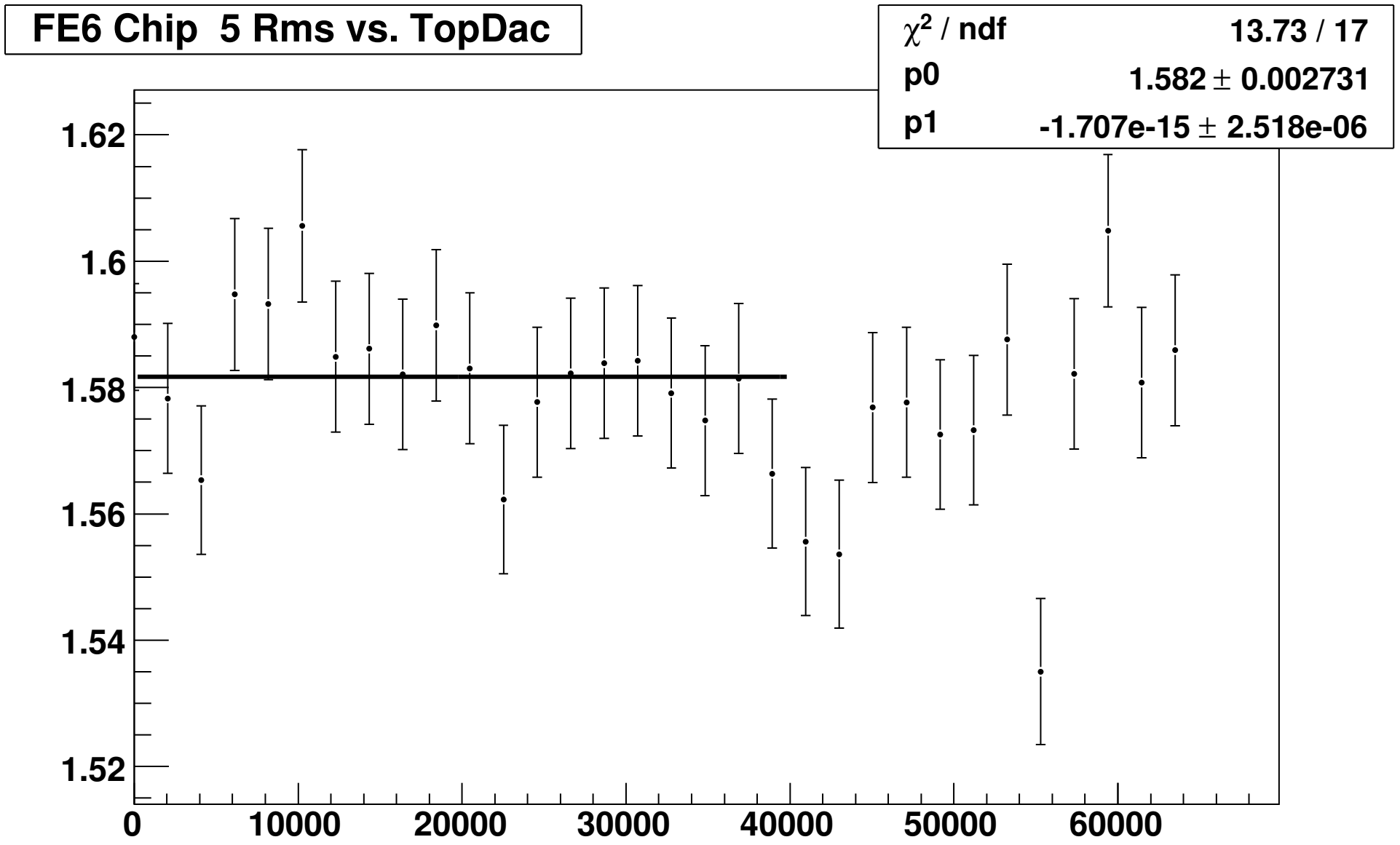
30000
40000
50000
60000

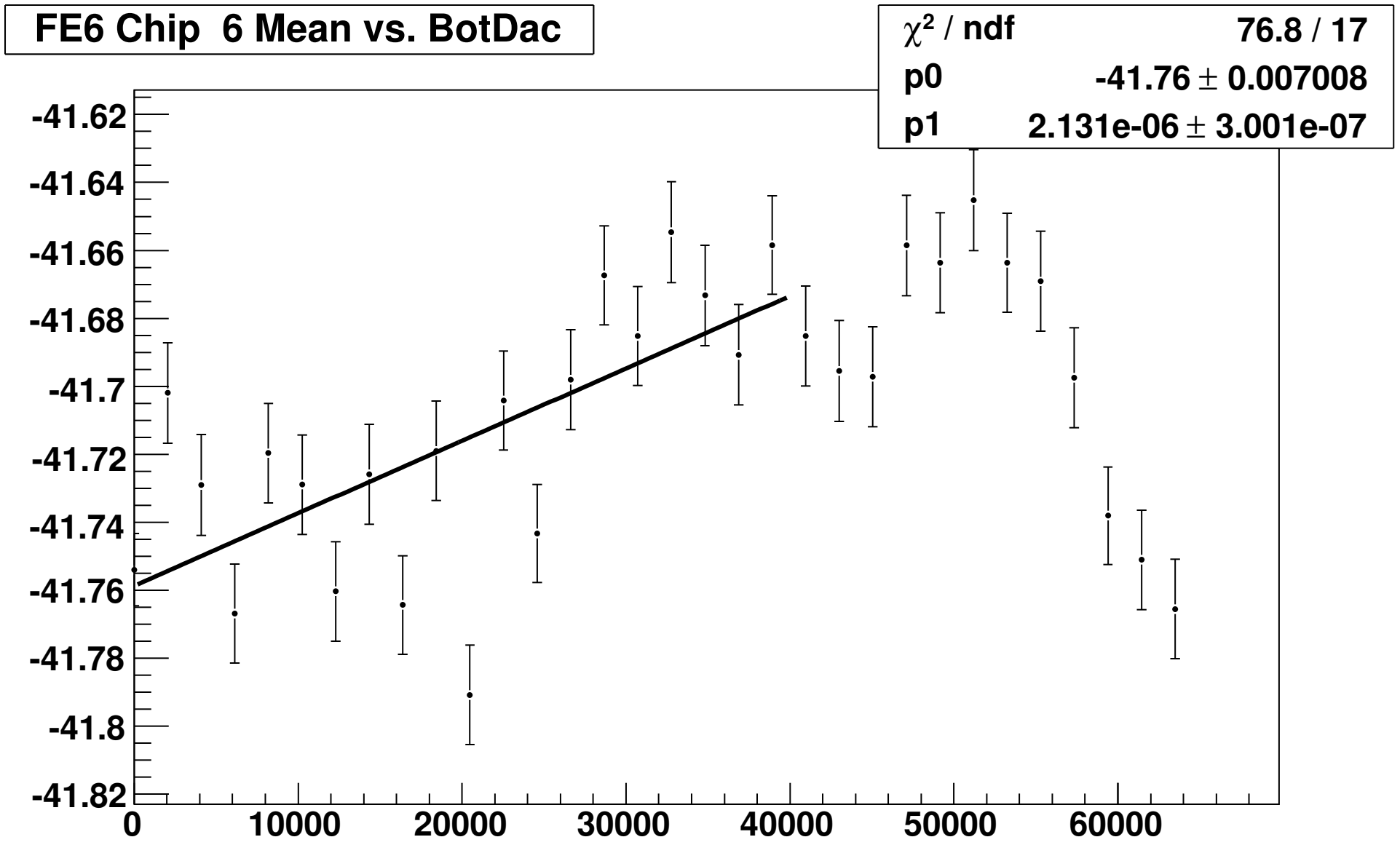

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 15.77 / 17
p0 1.492 ± 0.00258
p1 5.147e-15 ± 2.568e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

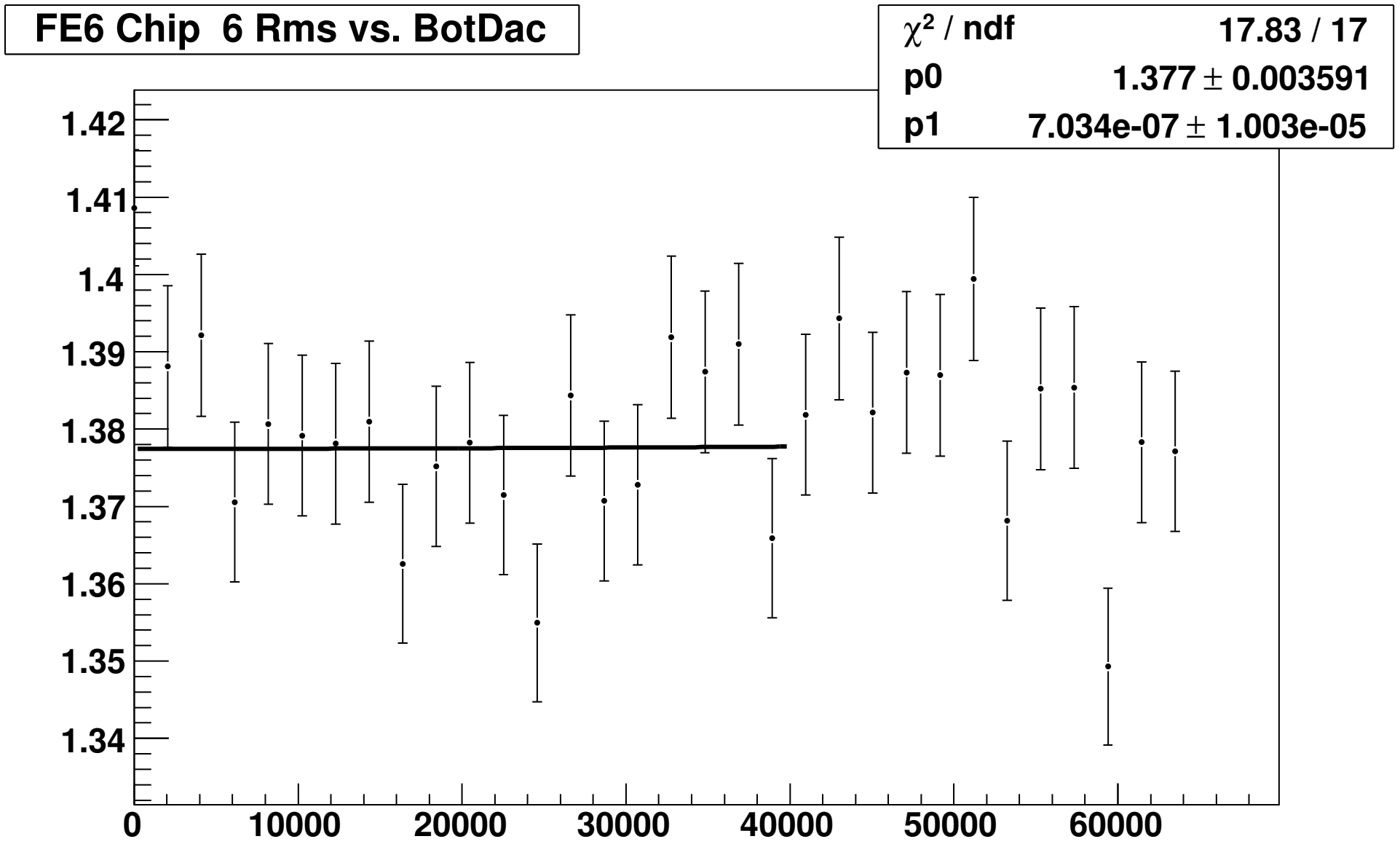

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.618e+04 / 17
p0 24.14 ± 0.00781
p1 0.4505 ± 3.654e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

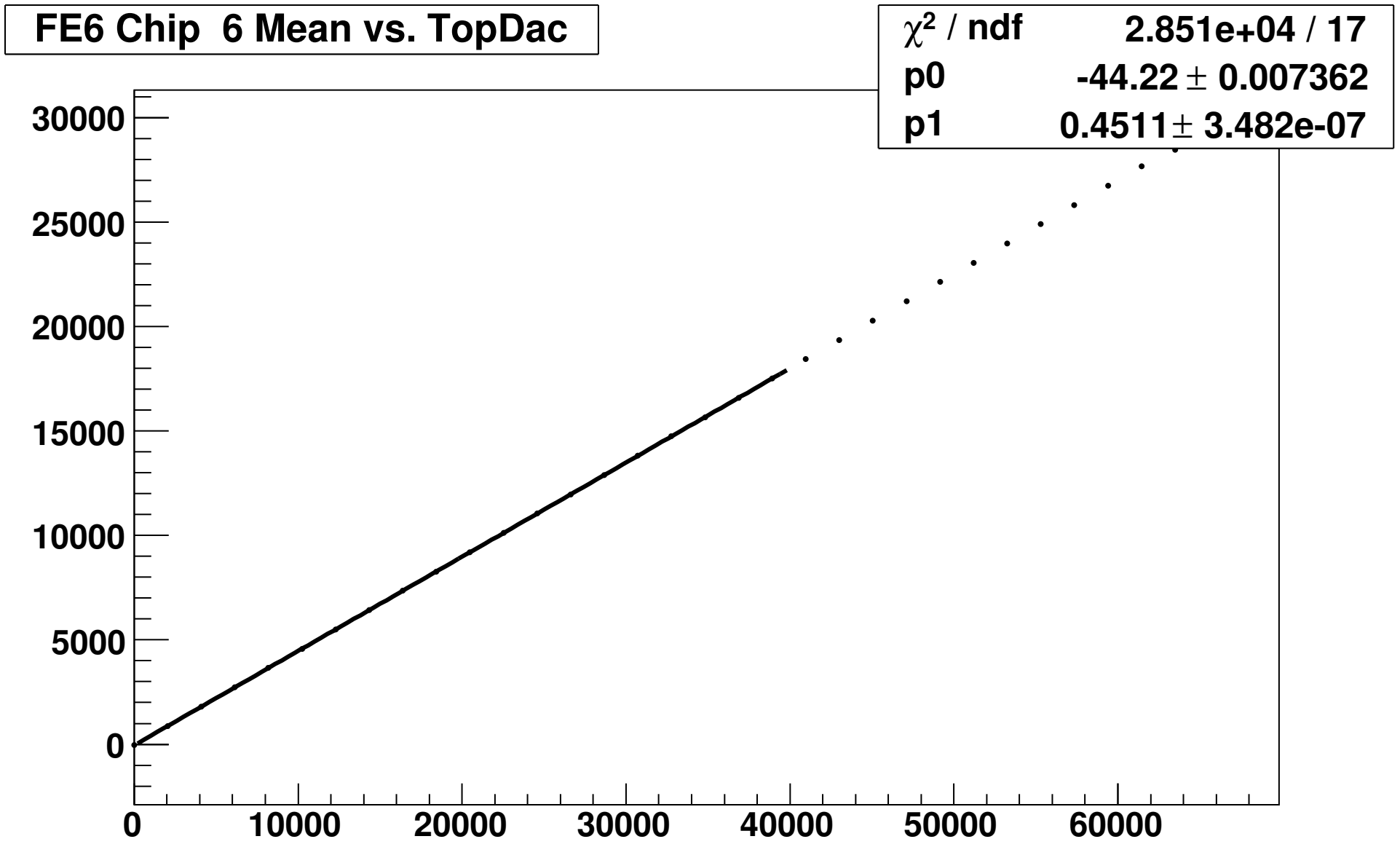

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 324.1 / 17
p0 1.43 ± 0.004213
p1 3.423e-05 ± 3.176e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

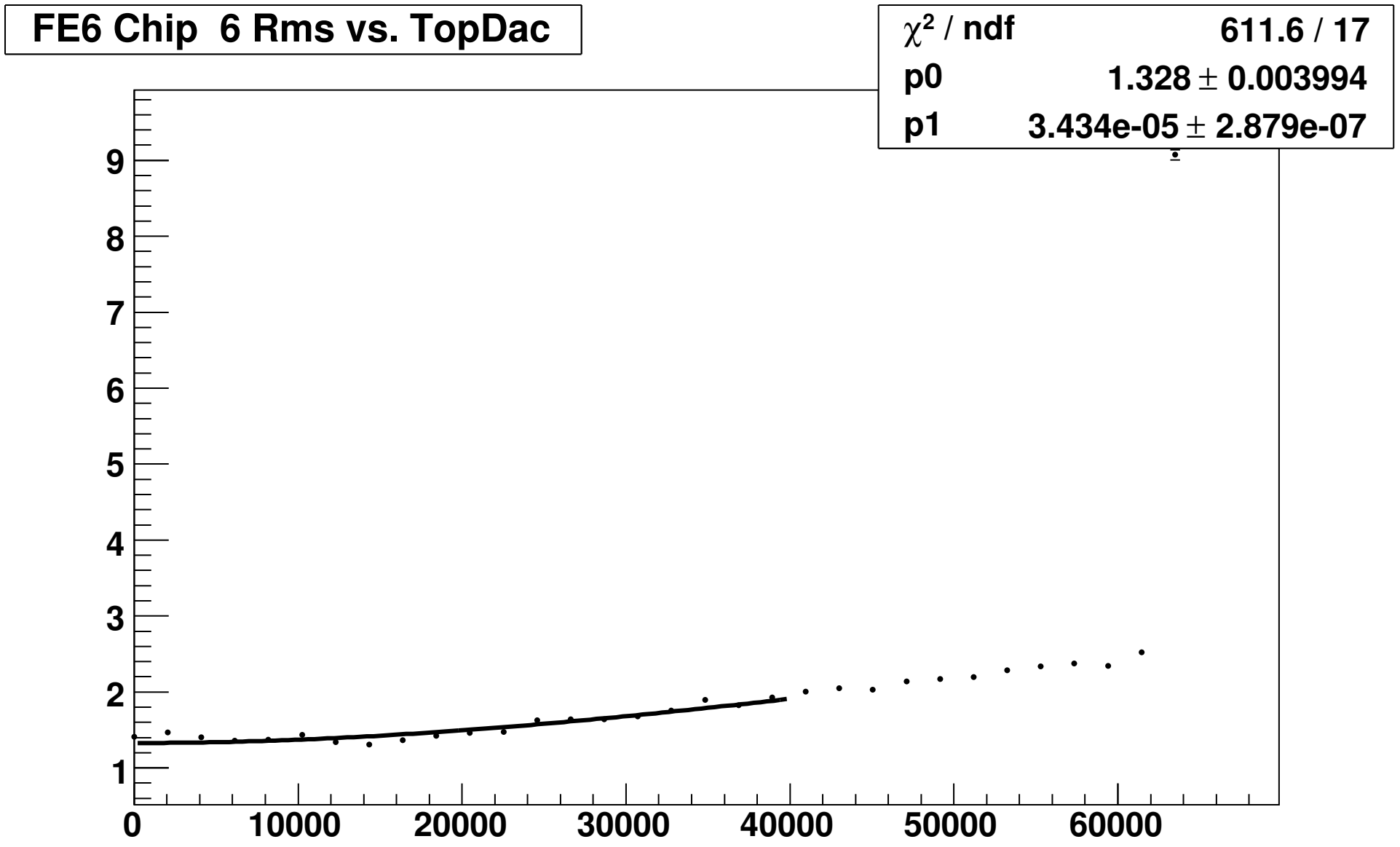

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 89.39 / 17
p0 24.55 ± 0.008024
p1 2.921e-06 ± 3.429e-07
24.8
24.75
24.7
24.65
24.6
24.55
24.5
24.45
0
10000
20000
30000
40000
50000
60000

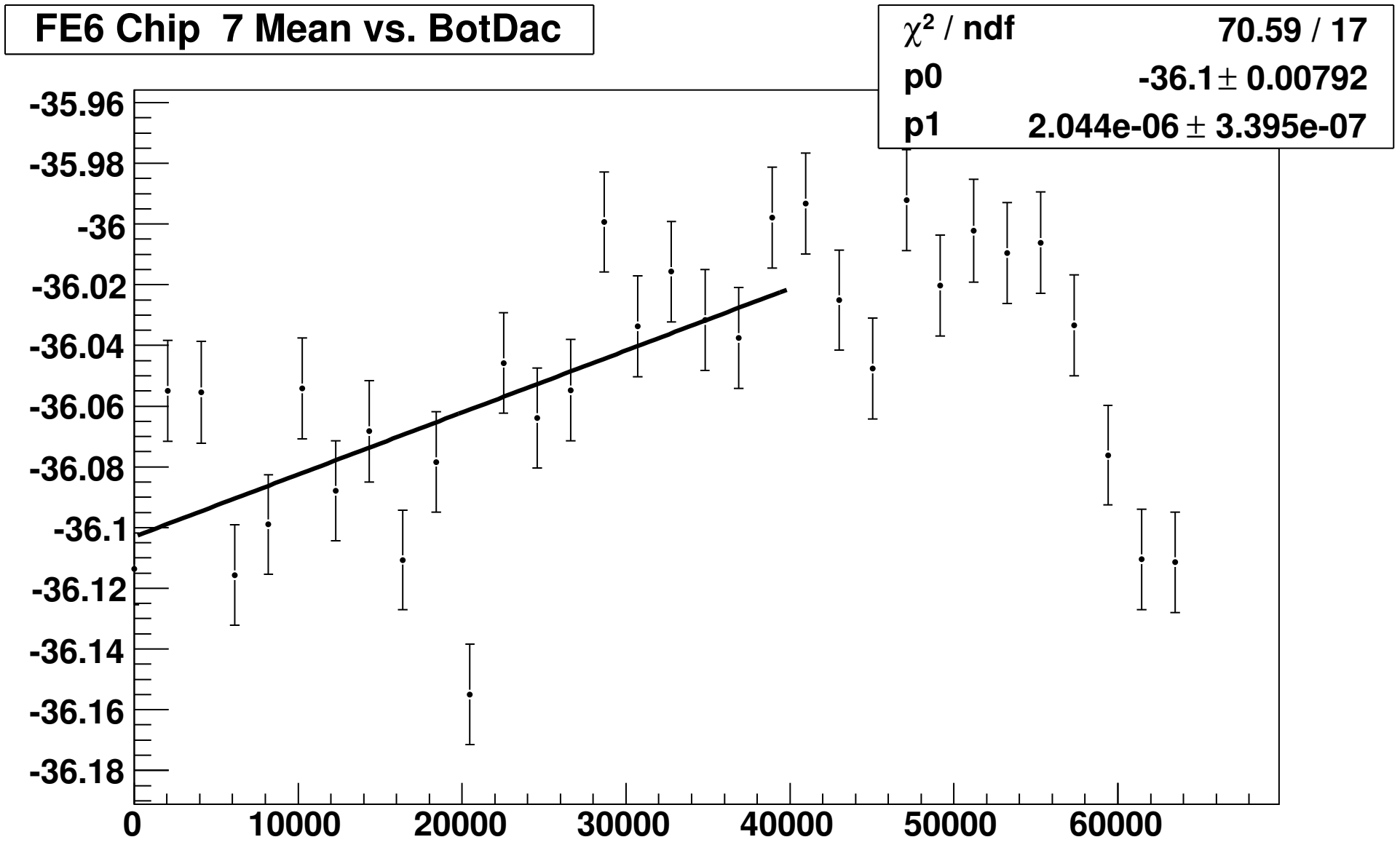

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 13.73 / 17
p0 1.582 ± 0.002731
p1 -1.707e-15 ± 2.518e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000

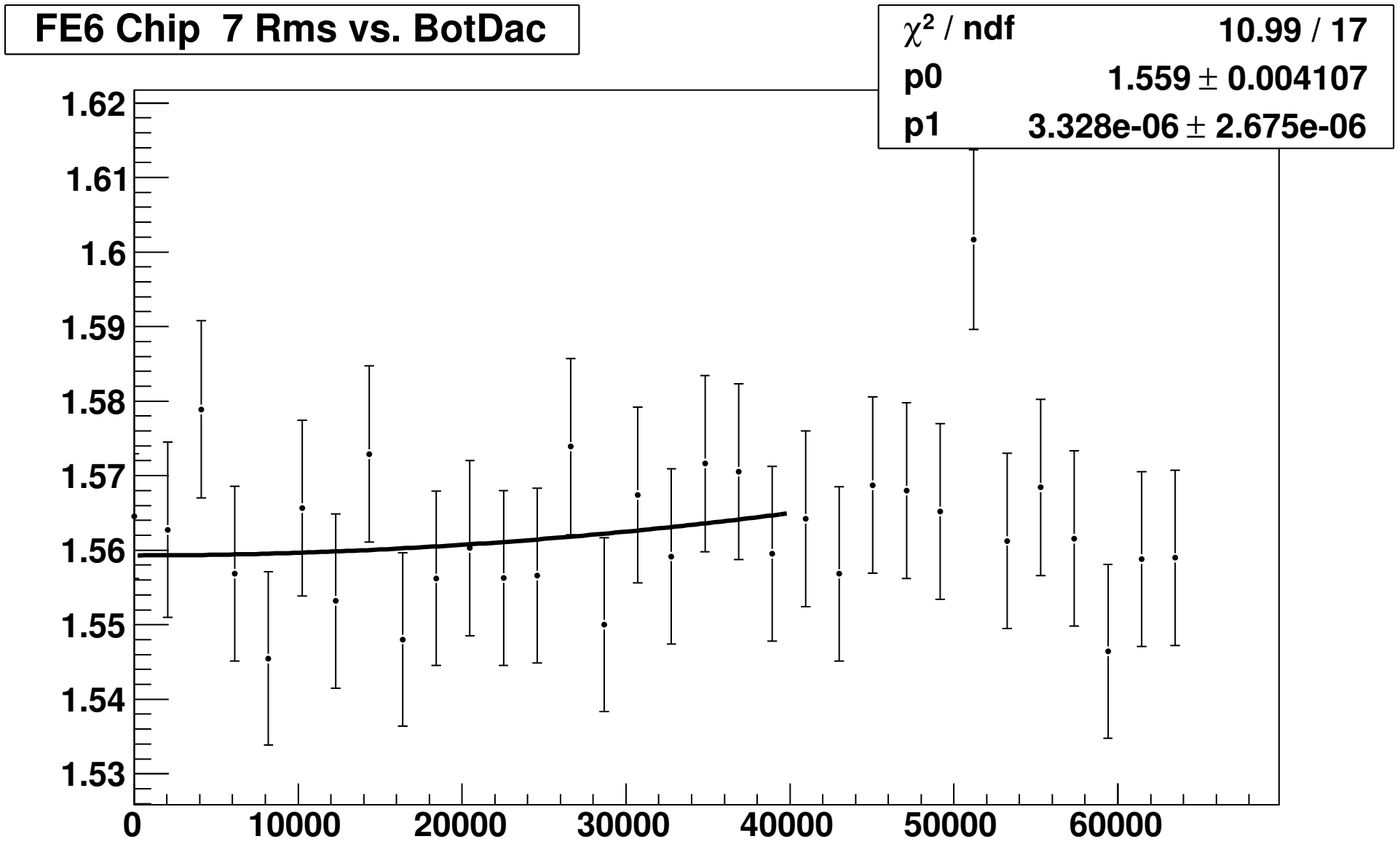

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 76.8 / 17
p0 -41.76 ± 0.007008
p1 2.131e-06 ± 3.001e-07
-41.62
-41.64
-41.66
-41.68
-41.7
-41.72
-41.74
-41.76
-41.78
-41.8
-41.82
0
10000
20000
30000
40000
50000
60000

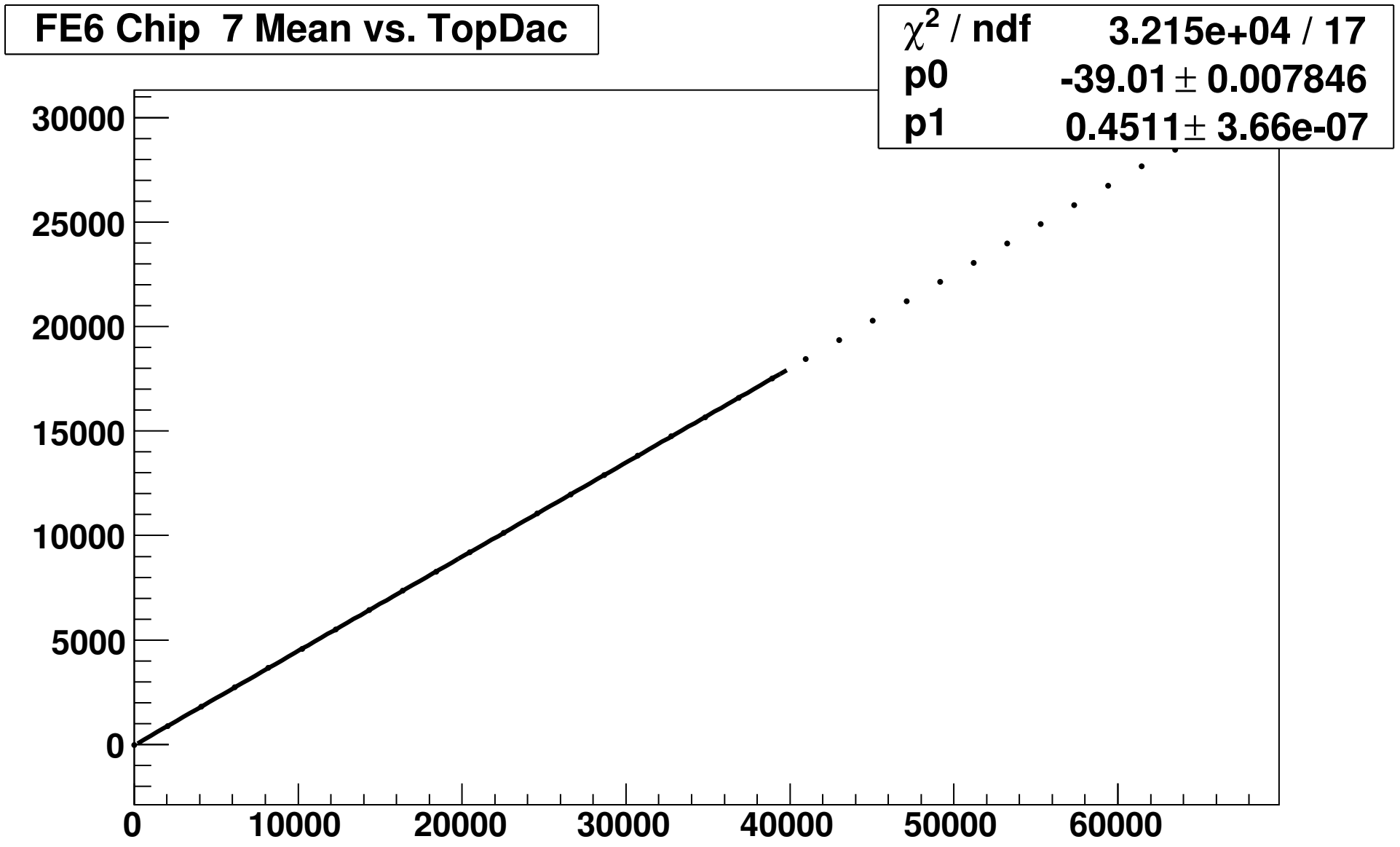

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 17.83 / 17
p0 1.377 ± 0.003591
p1 7.034e-07 ± 1.003e-05
1.42
1.41
1.4
1.39
1.38
1.37
1.36
1.35
1.34
0
10000
20000
30000
40000
50000
60000

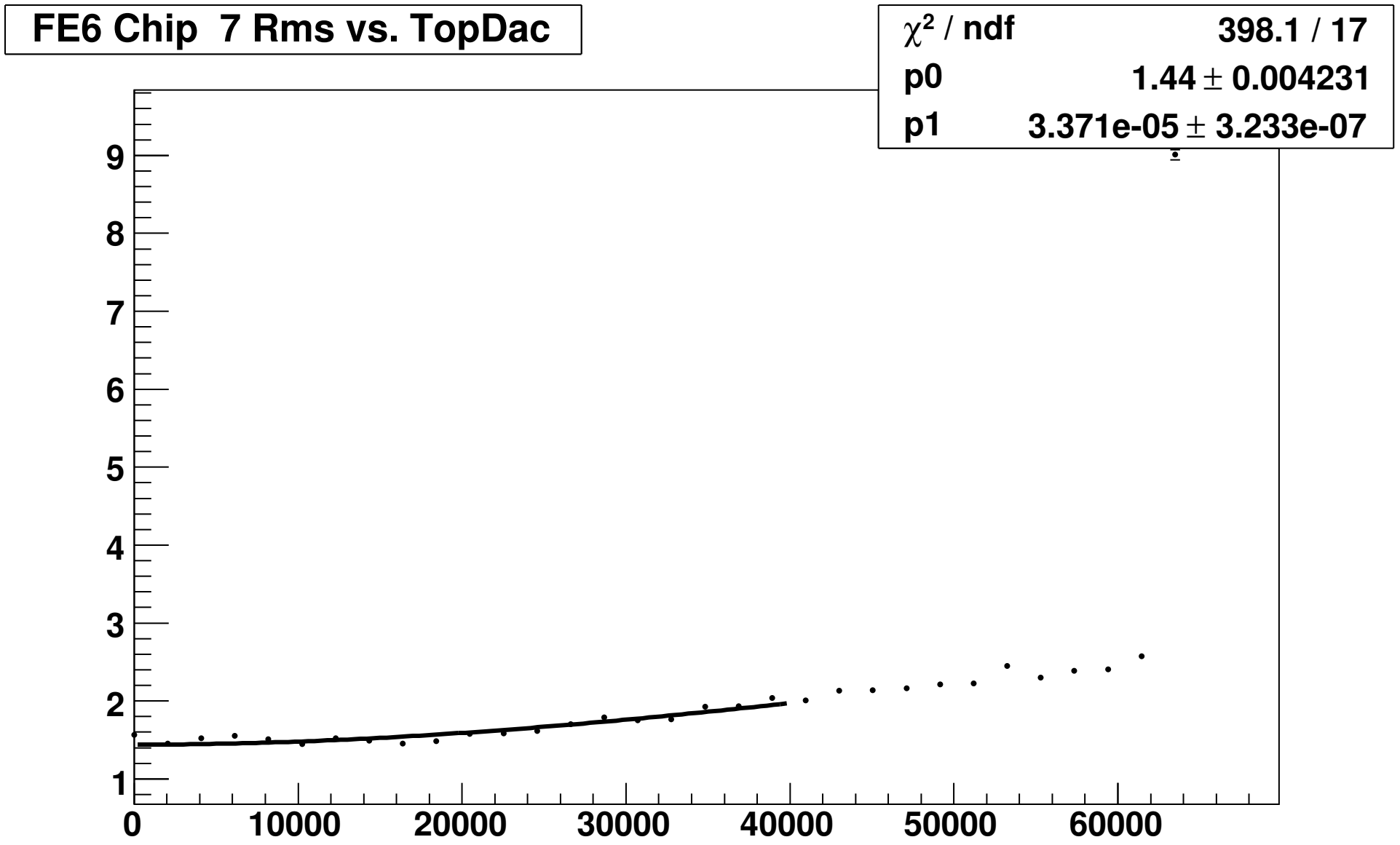

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 2.851e+04 / 17
p0 -44.22 ± 0.007362
p1 0.4511 ± 3.482e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

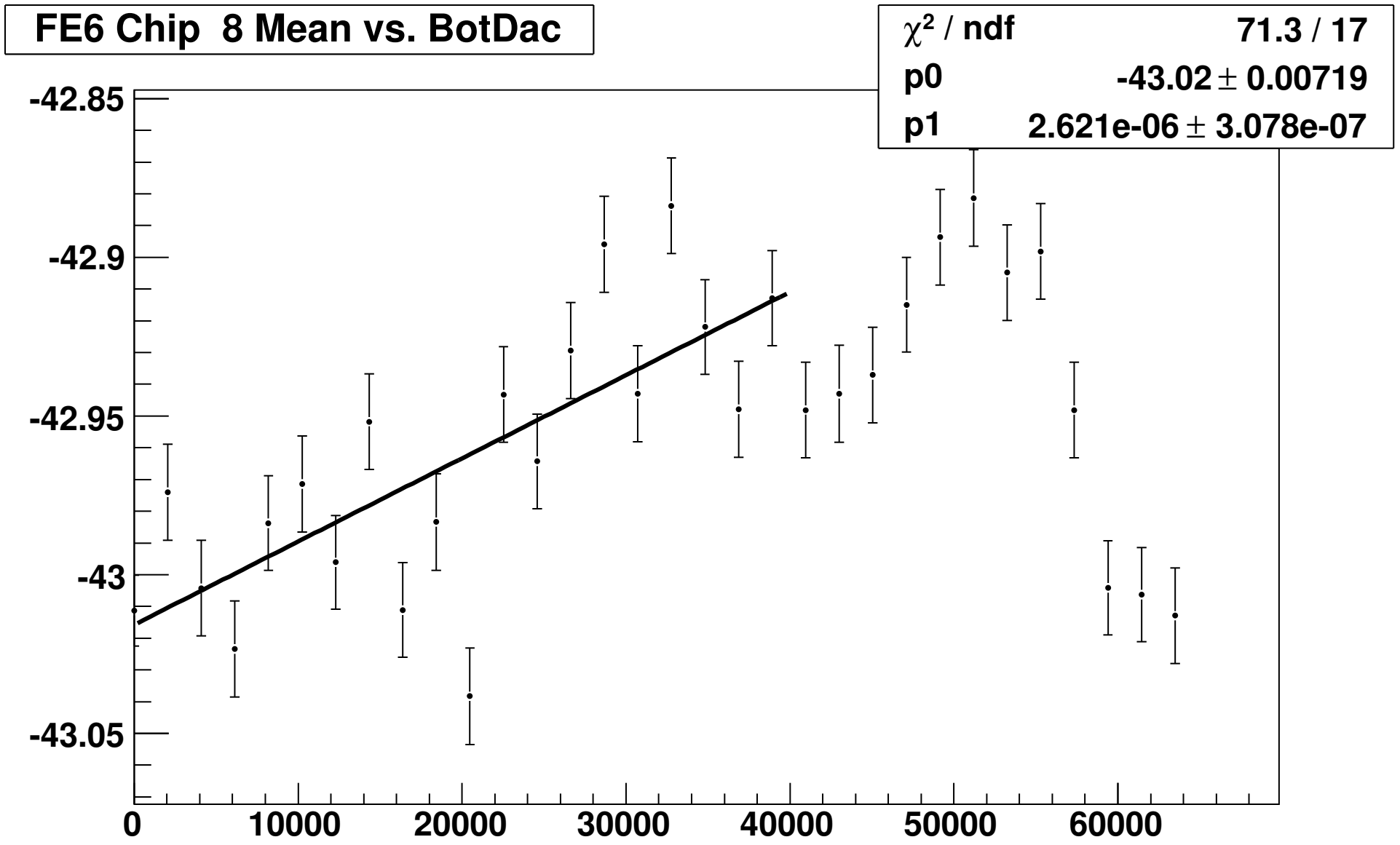

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 611.6 / 17
p0 1.328 ± 0.003994
p1 3.434e-05 ± 2.879e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

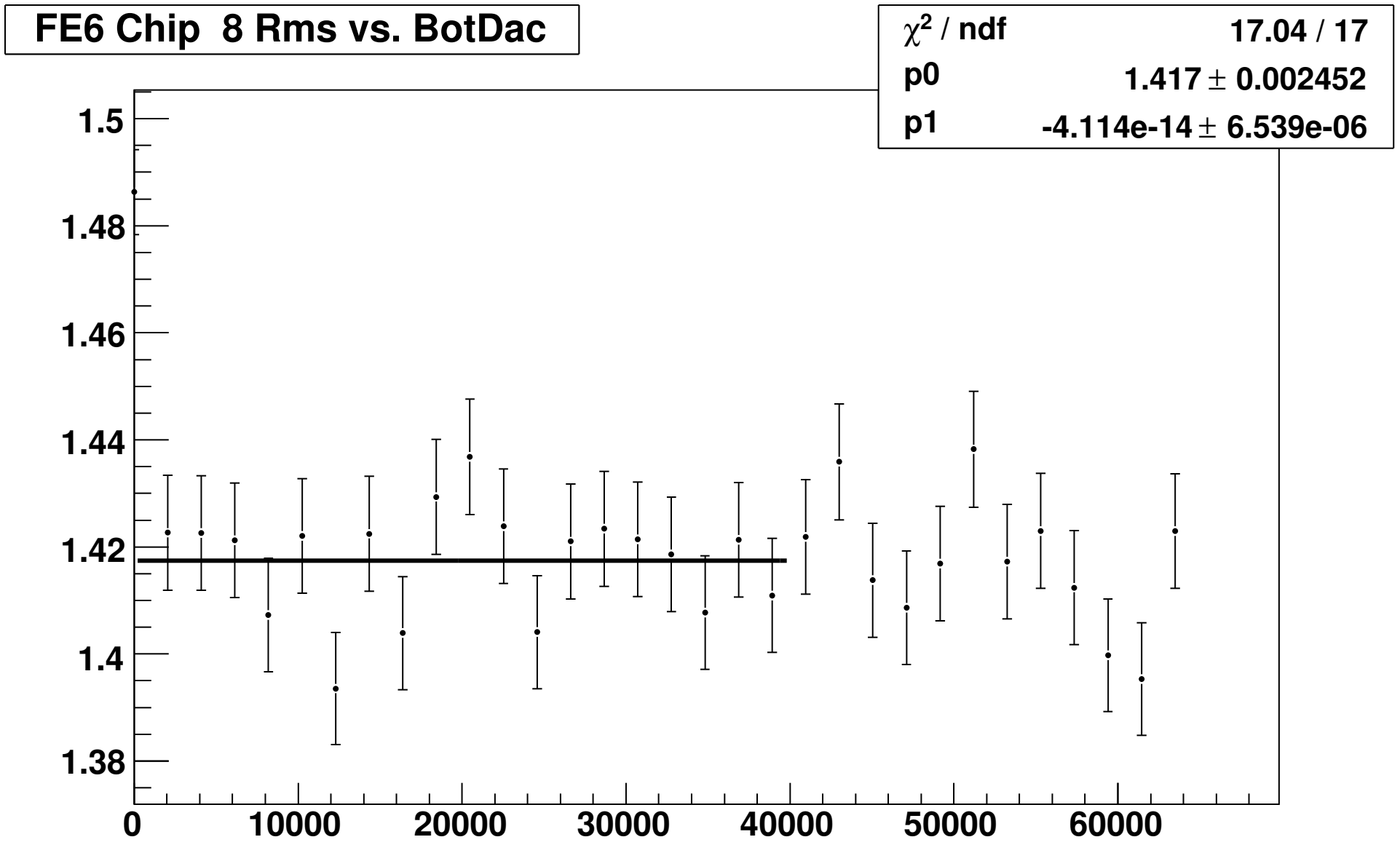

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 70.59 / 17
p0 -36.1 ± 0.00792
p1 2.044e-06 ± 3.395e-07
-35.96
-35.98
-36
-36.02
-36.04
-36.06
-36.08
-36.1
-36.12
-36.14
-36.16
-36.18
0
10000
20000
30000
40000
50000
60000

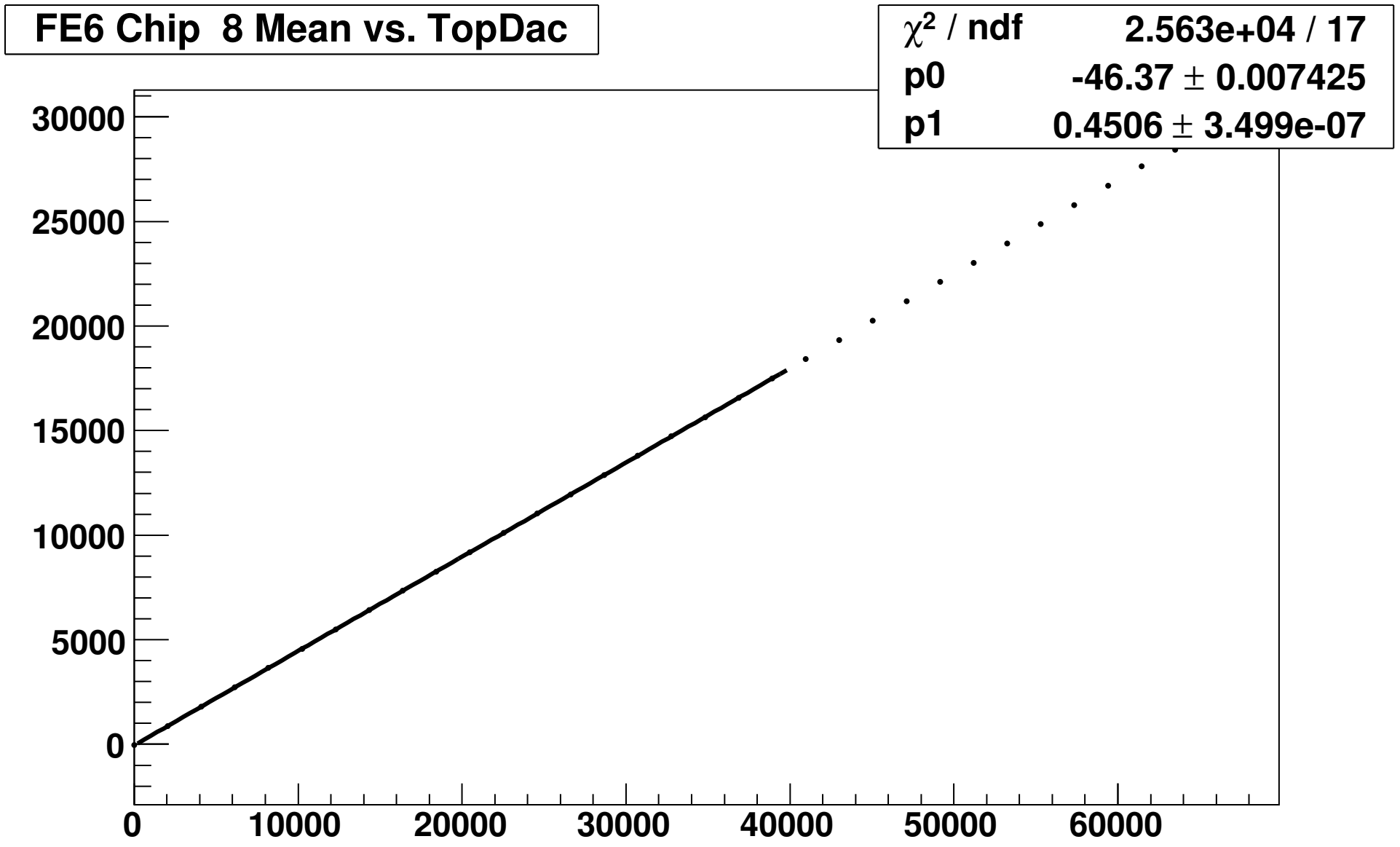

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 10.99 / 17
p0 1.559 ± 0.004107
p1 3.328e-06 ± 2.675e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000

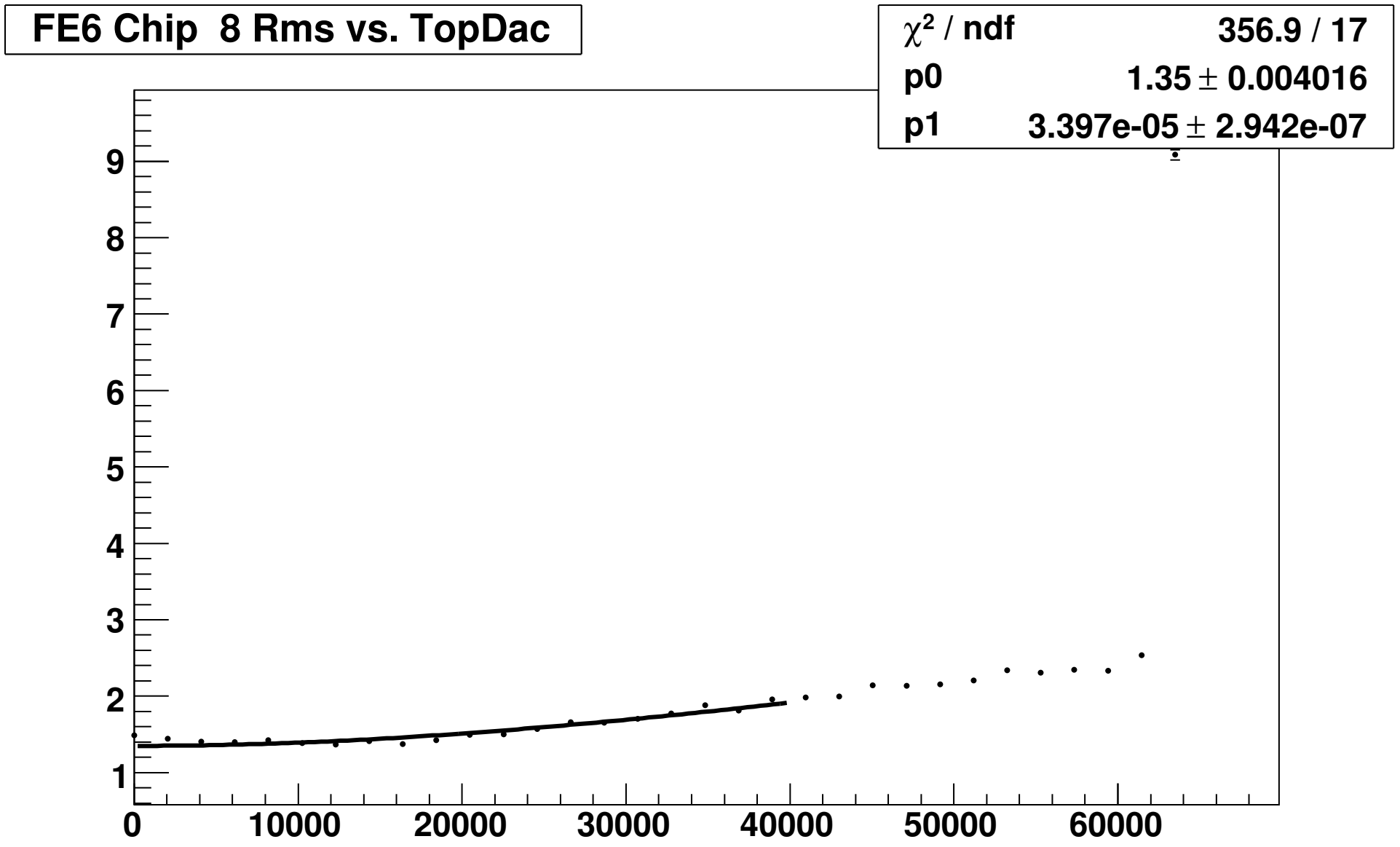

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 3.215e+04 / 17
p0 -39.01 ± 0.007846
p1 0.4511 ± 3.66e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

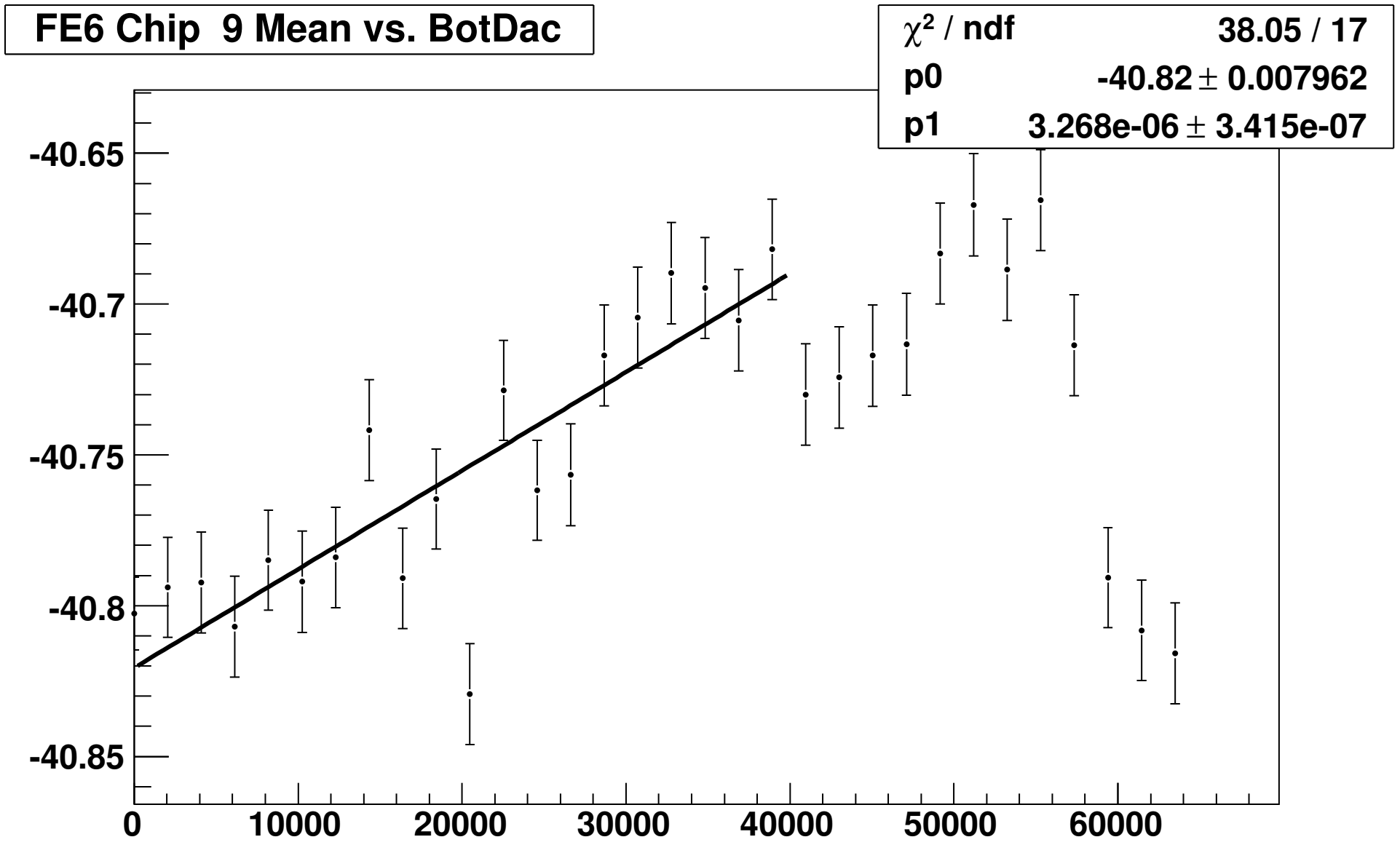

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 398.1 / 17
p0 1.44 ± 0.004231
p1 3.371e-05 ± 3.233e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

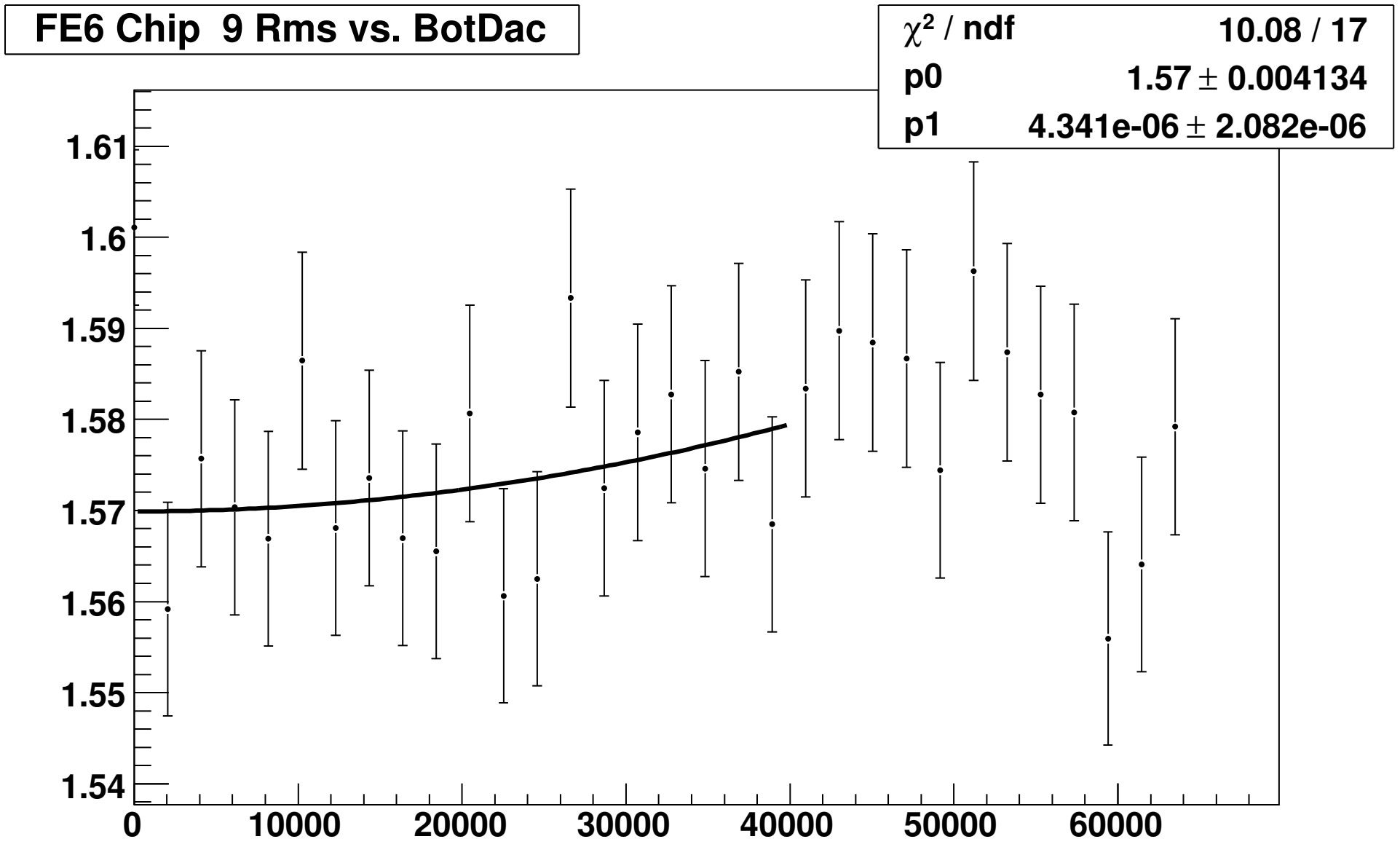

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 71.3 / 17
p0 -43.02 ± 0.00719
p1 2.621e-06 ± 3.078e-07
-42.85
-42.9
-42.95
-43
-43.05
0
10000
20000
30000
40000
50000
60000

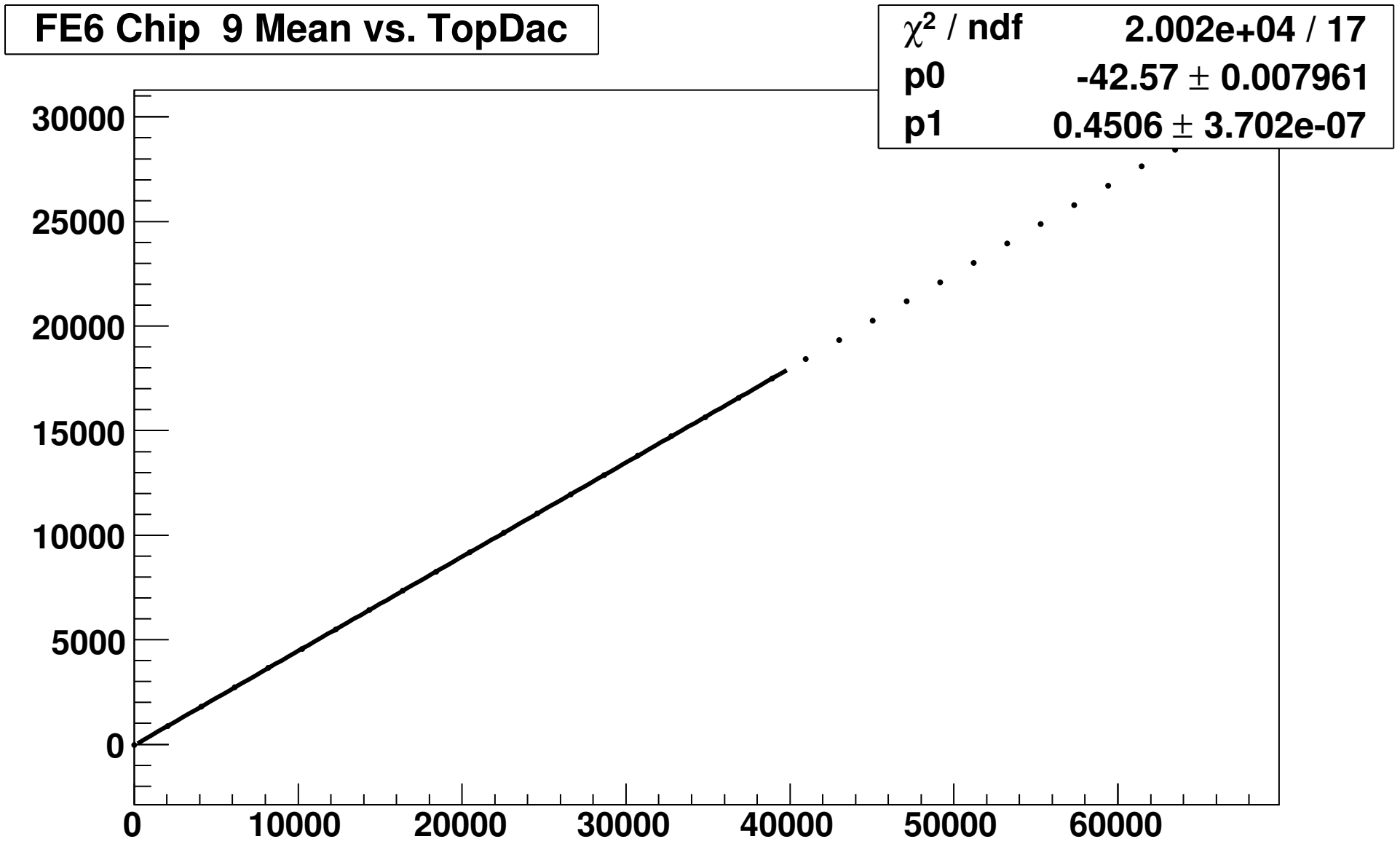

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 17.04 / 17
p0 1.417 ± 0.002452
p1 -4.114e-14 ± 6.539e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

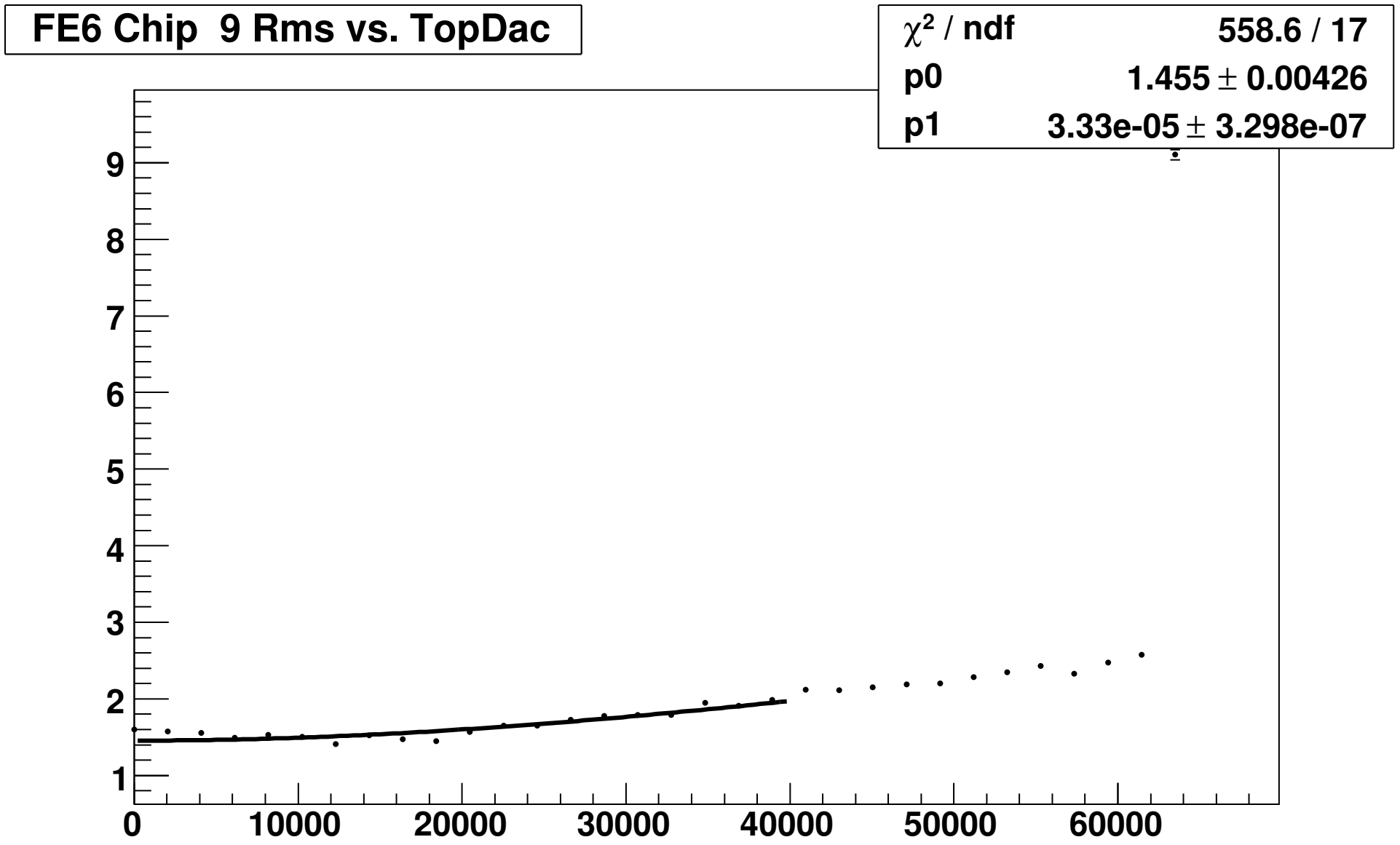

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 2.563e+04 / 17
p0 -46.37 ± 0.007425
p1 0.4506 ± 3.499e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

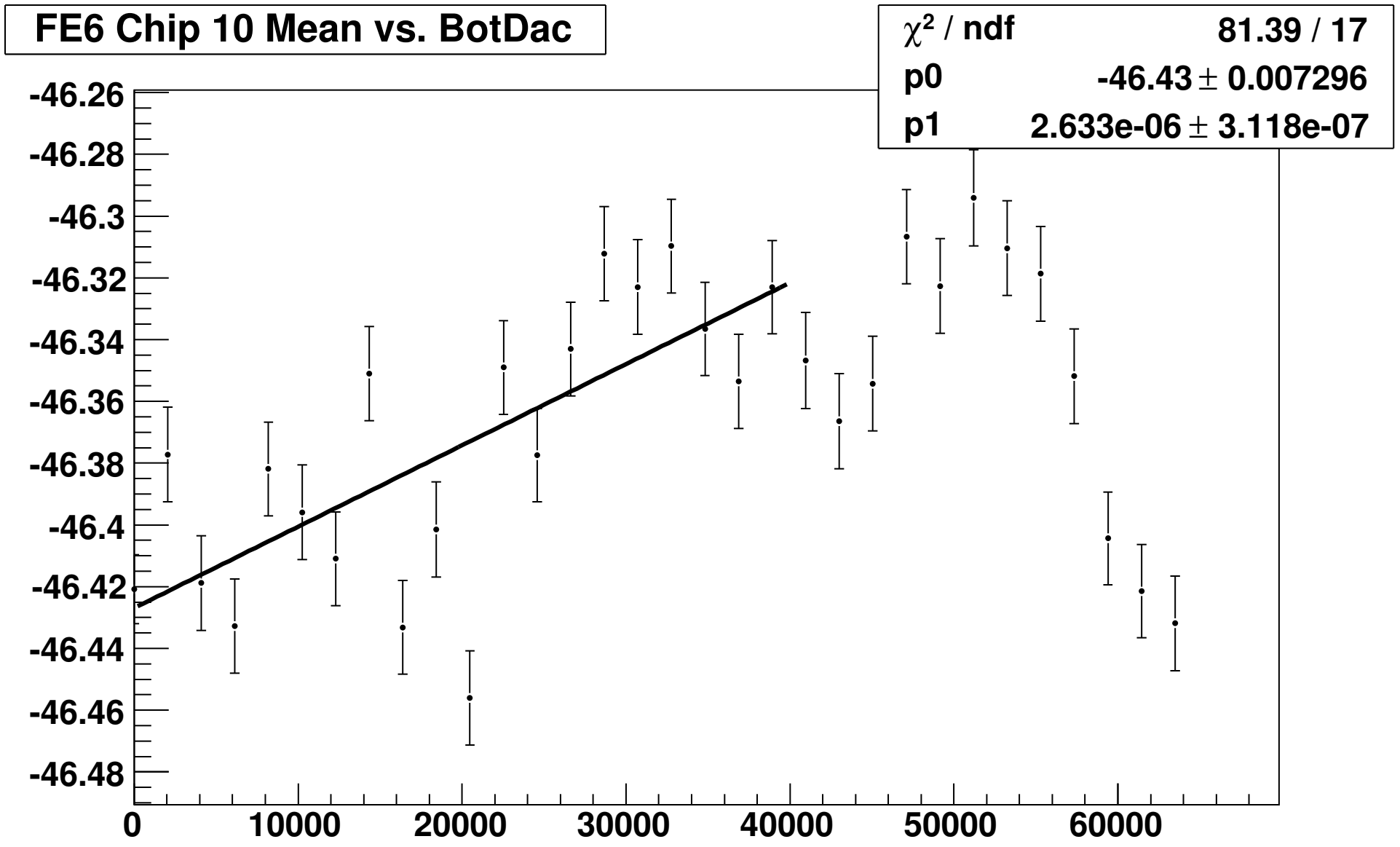

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 356.9 / 17
p0 1.35 ± 0.004016
p1 3.397e-05 ± 2.942e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 38.05 / 17
p0 -40.82 ± 0.007962
p1 3.268e-06 ± 3.415e-07
-40.65
-40.7
-40.75
-40.8
-40.85
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 10.08 / 17
p0 1.57 ± 0.004134
p1 4.341e-06 ± 2.082e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 2.002e+04 / 17
p0 -42.57 ± 0.007961
p1 0.4506 ± 3.702e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 558.6 / 17
p0 1.455 ± 0.00426
p1 3.33e-05 ± 3.298e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 81.39 / 17
p0 -46.43 ± 0.007296
p1 2.633e-06 ± 3.118e-07
-46.26
-46.28
-46.3
-46.32
-46.34
-46.36
-46.38
-46.4
-46.42
-46.44
-46.46
-46.48
0
10000
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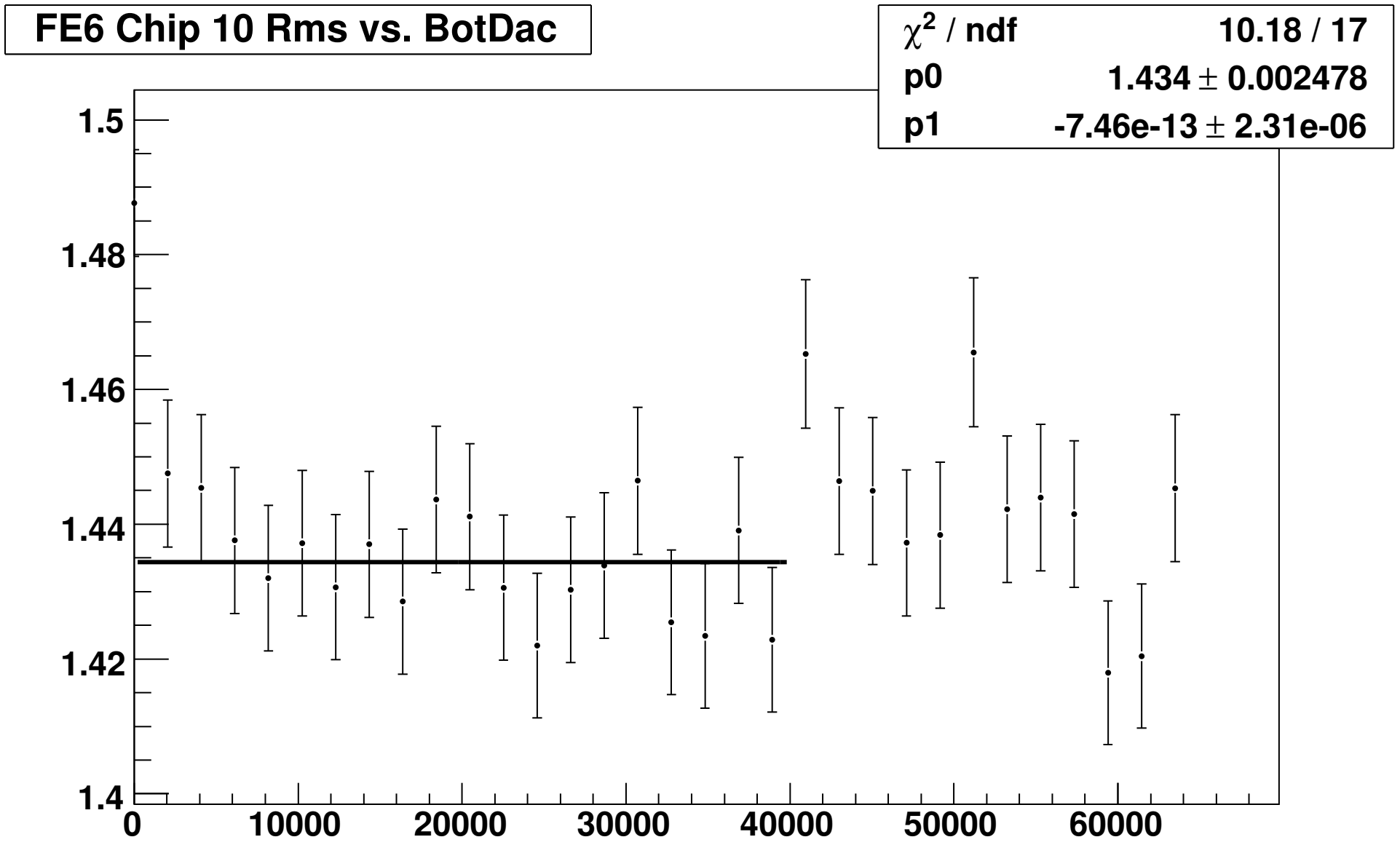
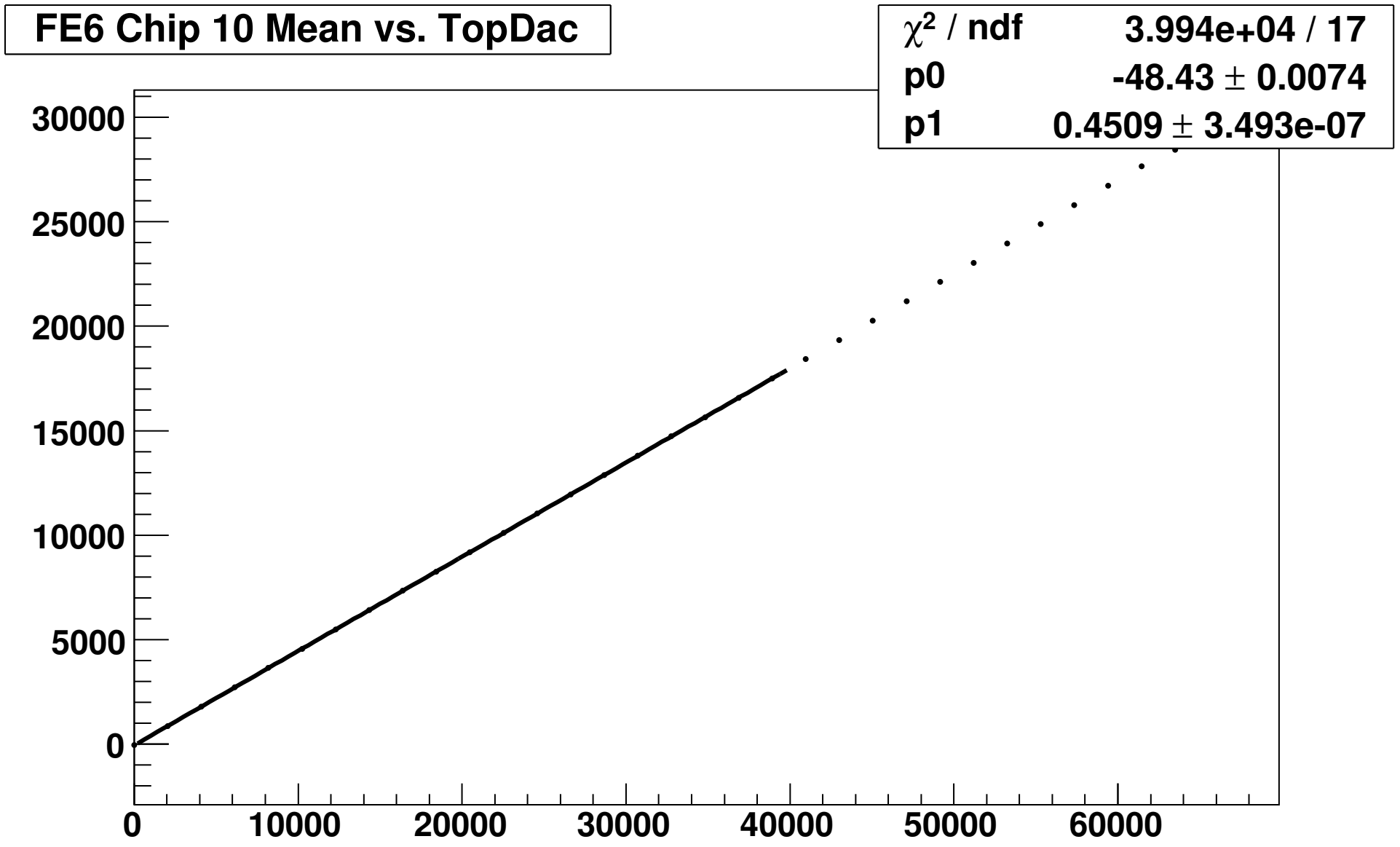
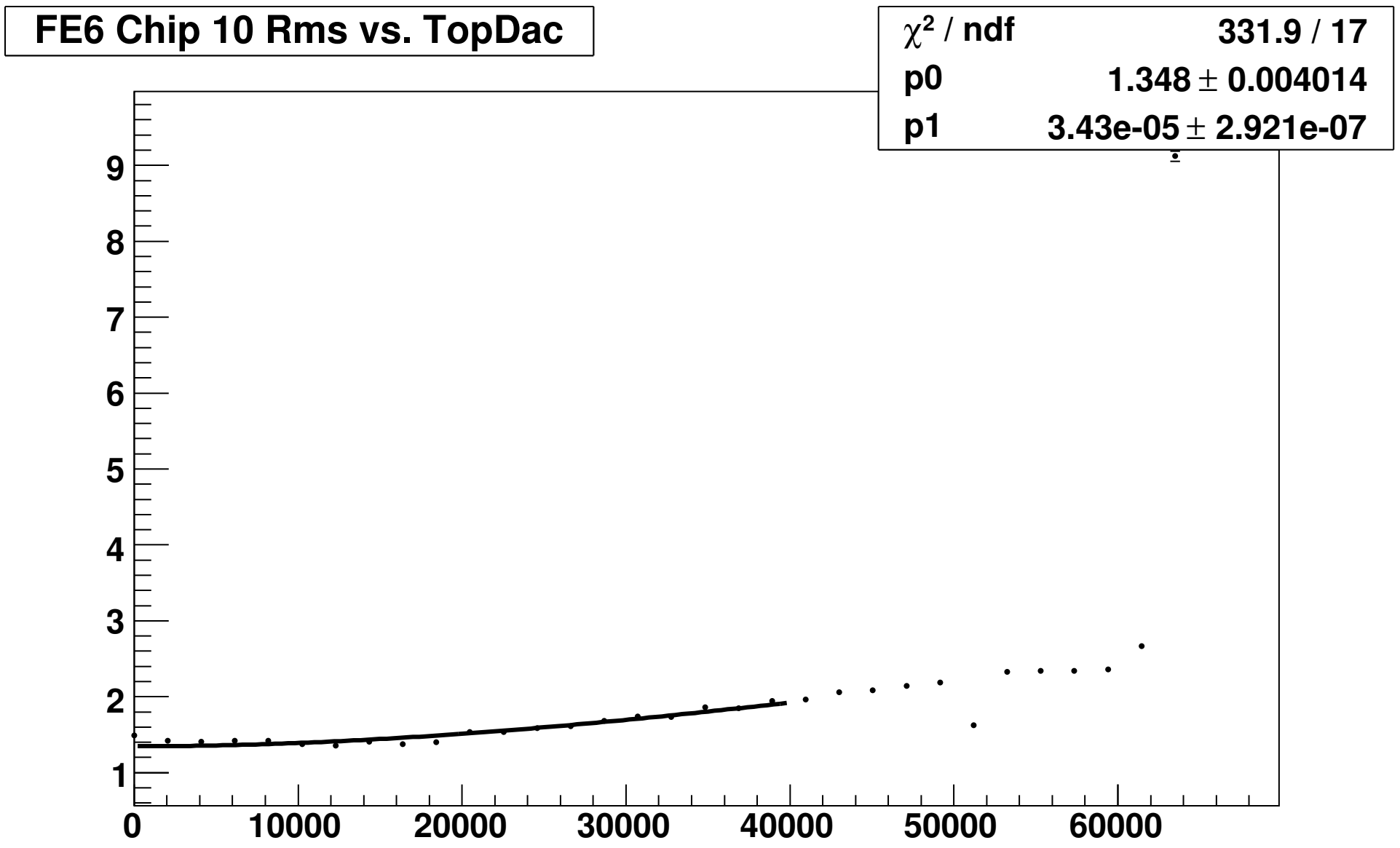
30000
40000
50000
60000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 10.18 / 17
p0 1.434 ± 0.002478
p1 -7.46e-13 ± 2.31e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 3.994e+04 / 17
p0 -48.43 ± 0.0074
p1 0.4509 ± 3.493e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 331.9 / 17
p0 1.348 ± 0.004014
p1 3.43e-05 ± 2.921e-07
9
8
7
6
5
4
3
2
1
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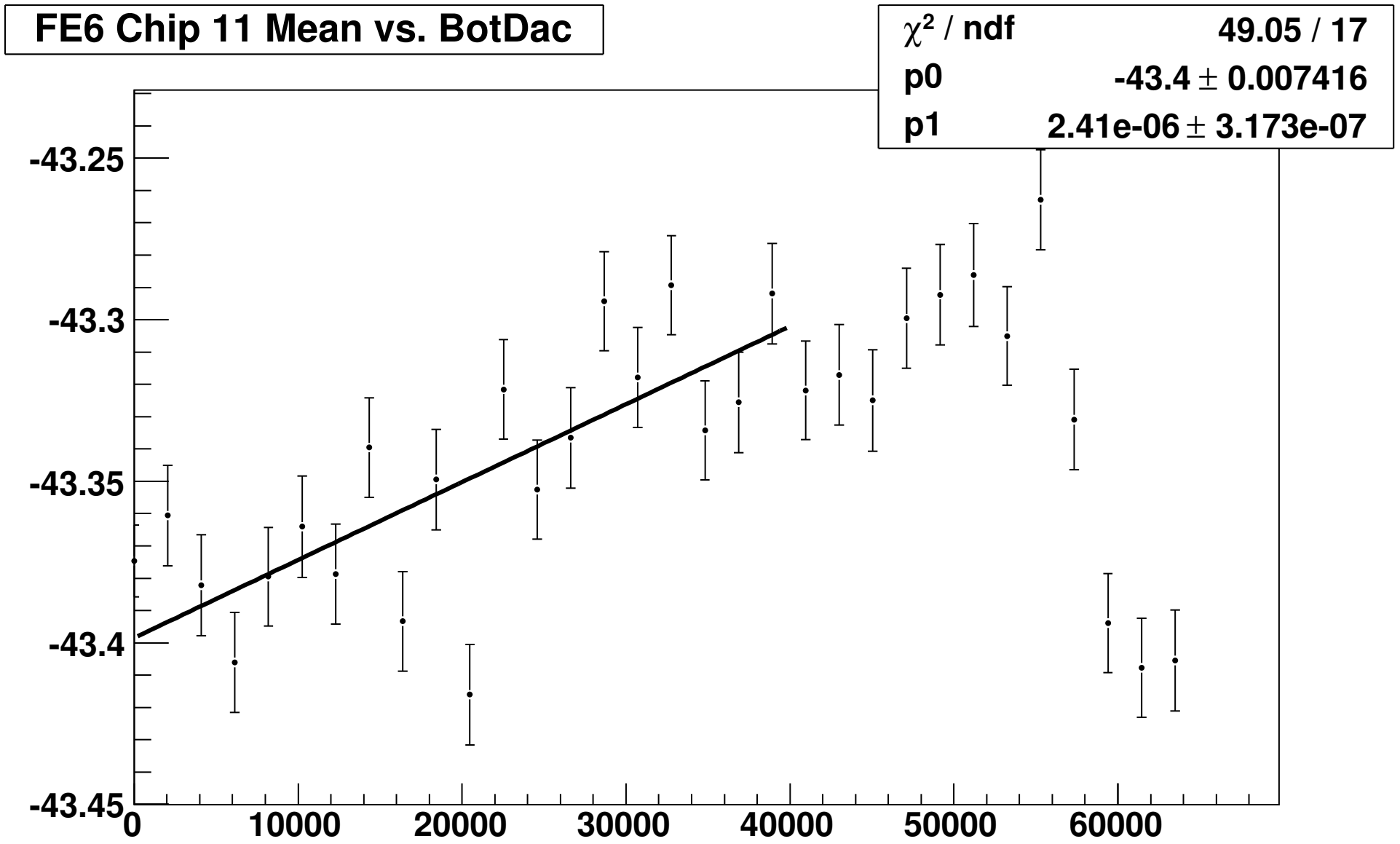
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 49.05 / 17
p0 -43.4 ± 0.007416
p1 2.41e-06 ± 3.173e-07
-43.25
-43.3
-43.35
-43.4
-43.45
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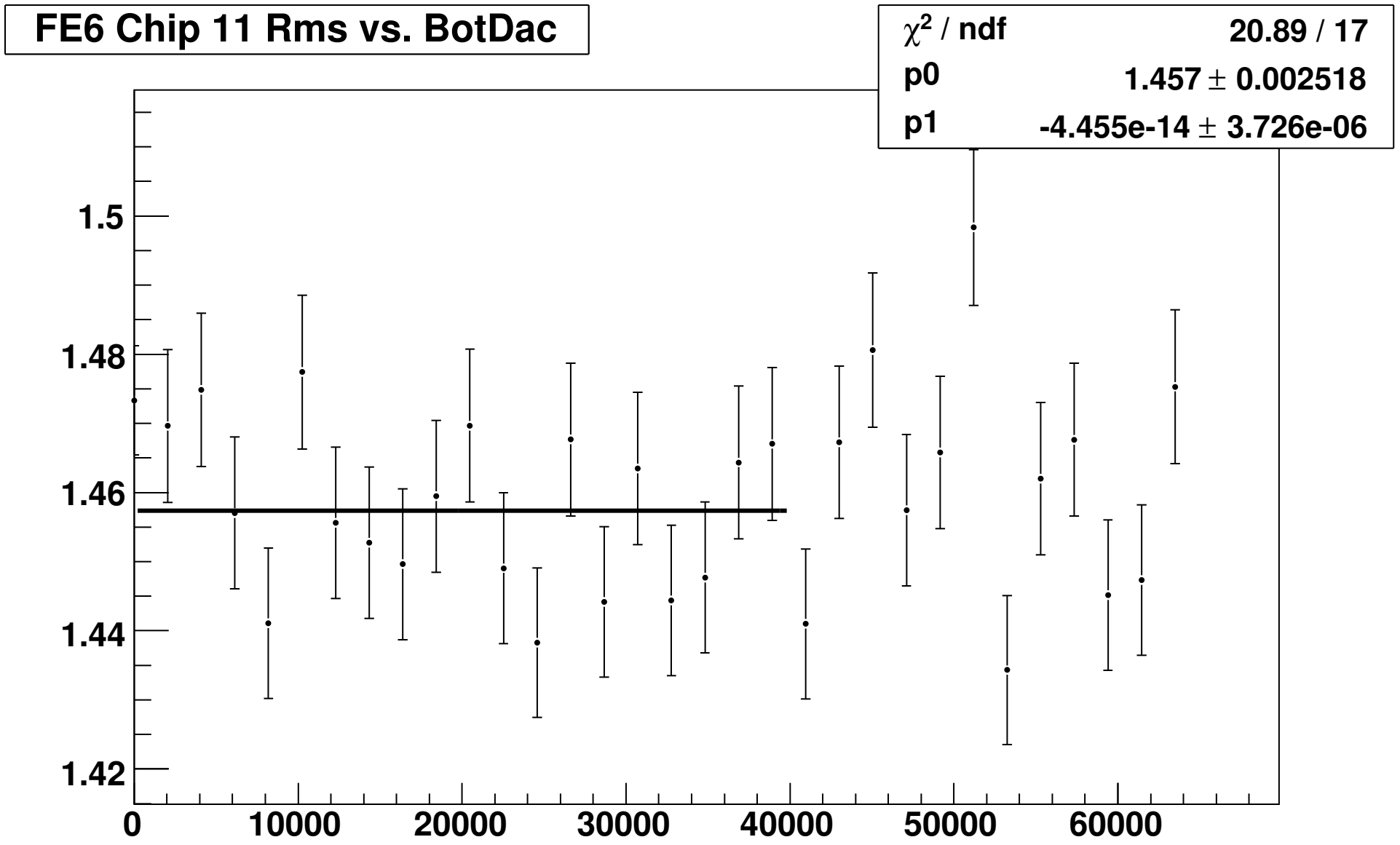
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 20.89 / 17
p0 1.457 ± 0.002518
p1 -4.455e-14 ± 3.726e-06
1.5
1.48
1.46
1.44
1.42
0
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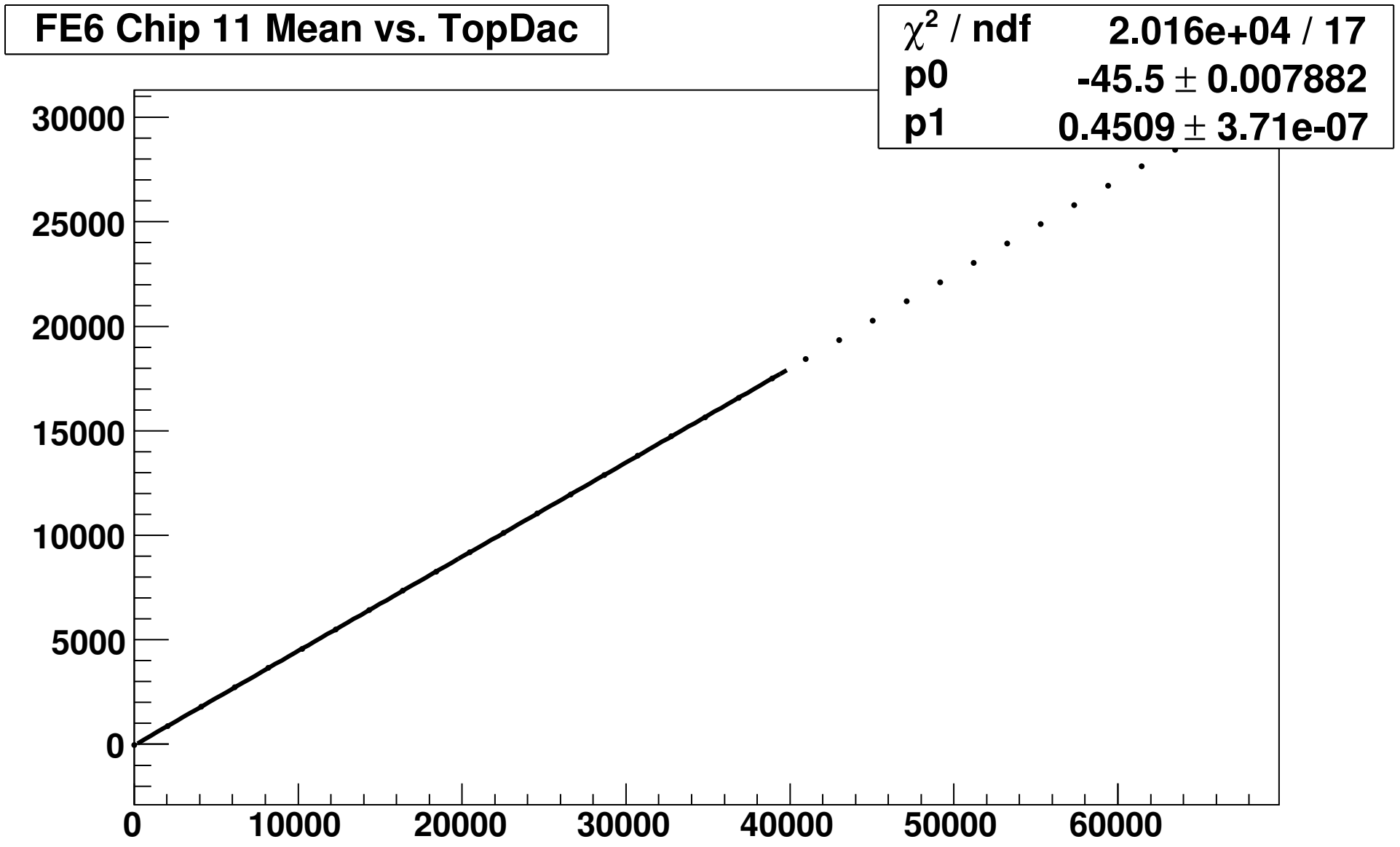
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 2.016e+04 / 17
p0 -45.5 ± 0.007882
p1 0.4509 ± 3.71e-07
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0
0
10000
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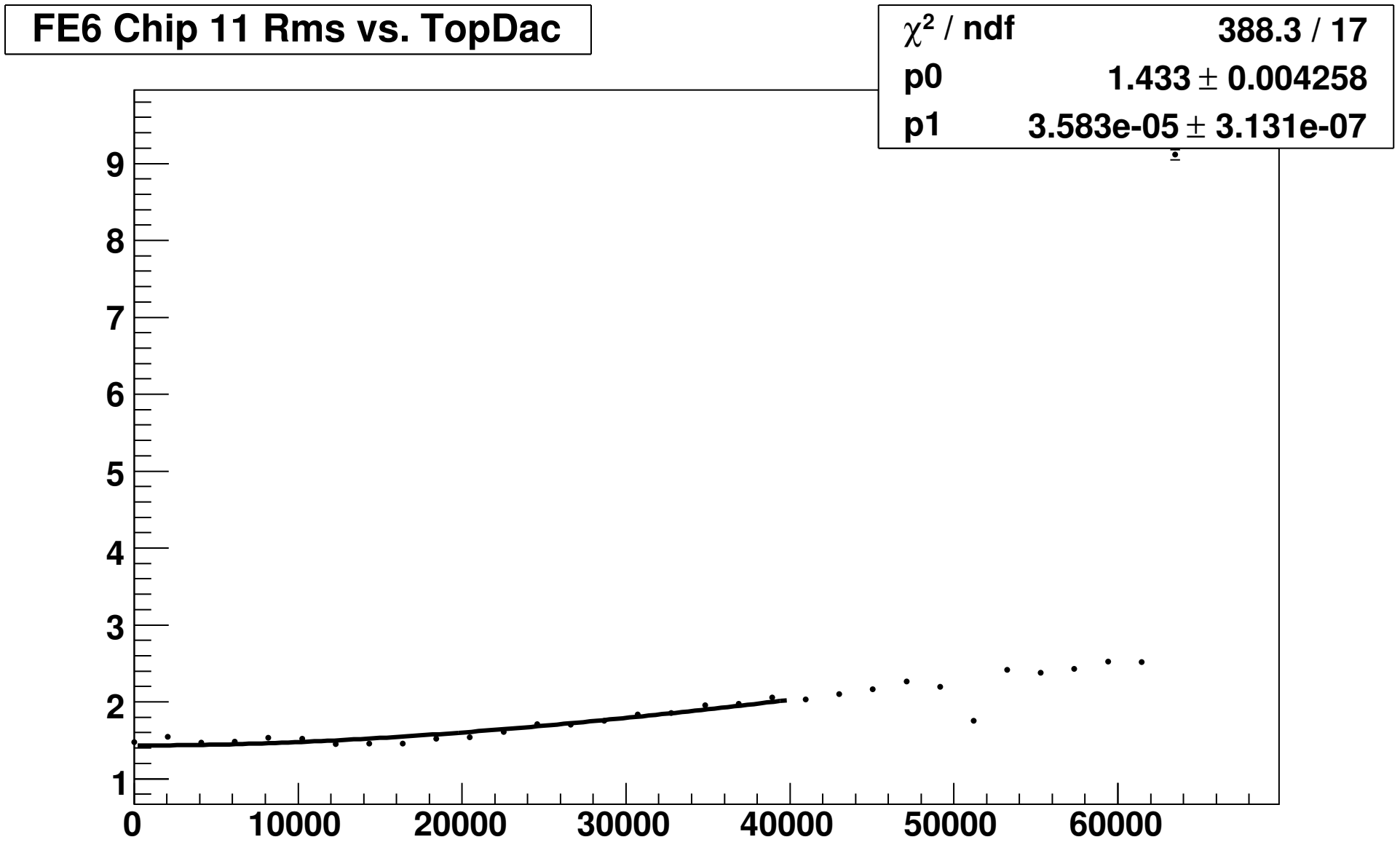
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 388.3 / 17
p0 1.433 ± 0.004258
p1 3.583e-05 ± 3.131e-07
9
8
7
6
5
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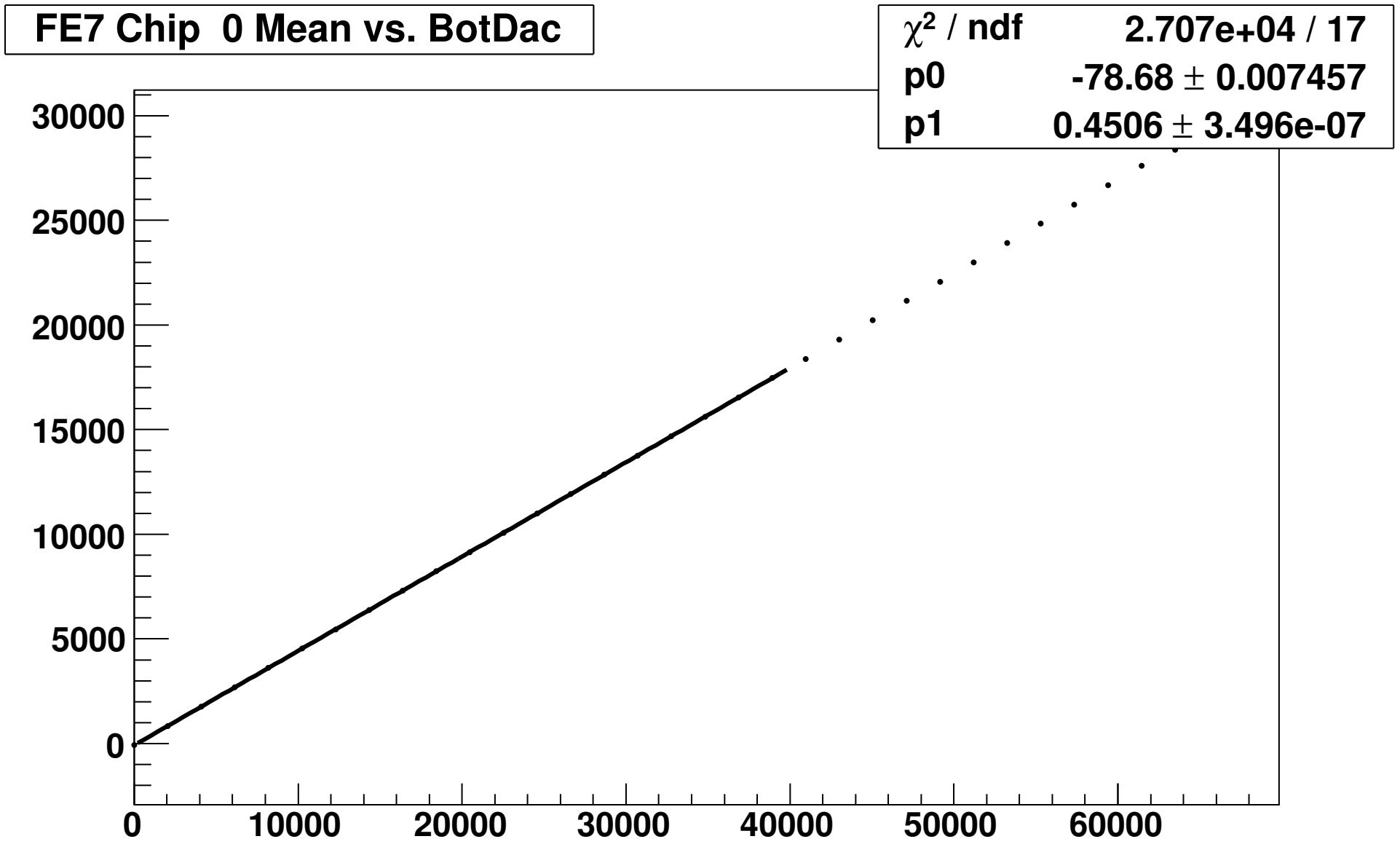
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 2.707e+04 / 17
p0 -78.68 ± 0.007457
p1 0.4506 ± 3.496e-07
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25000
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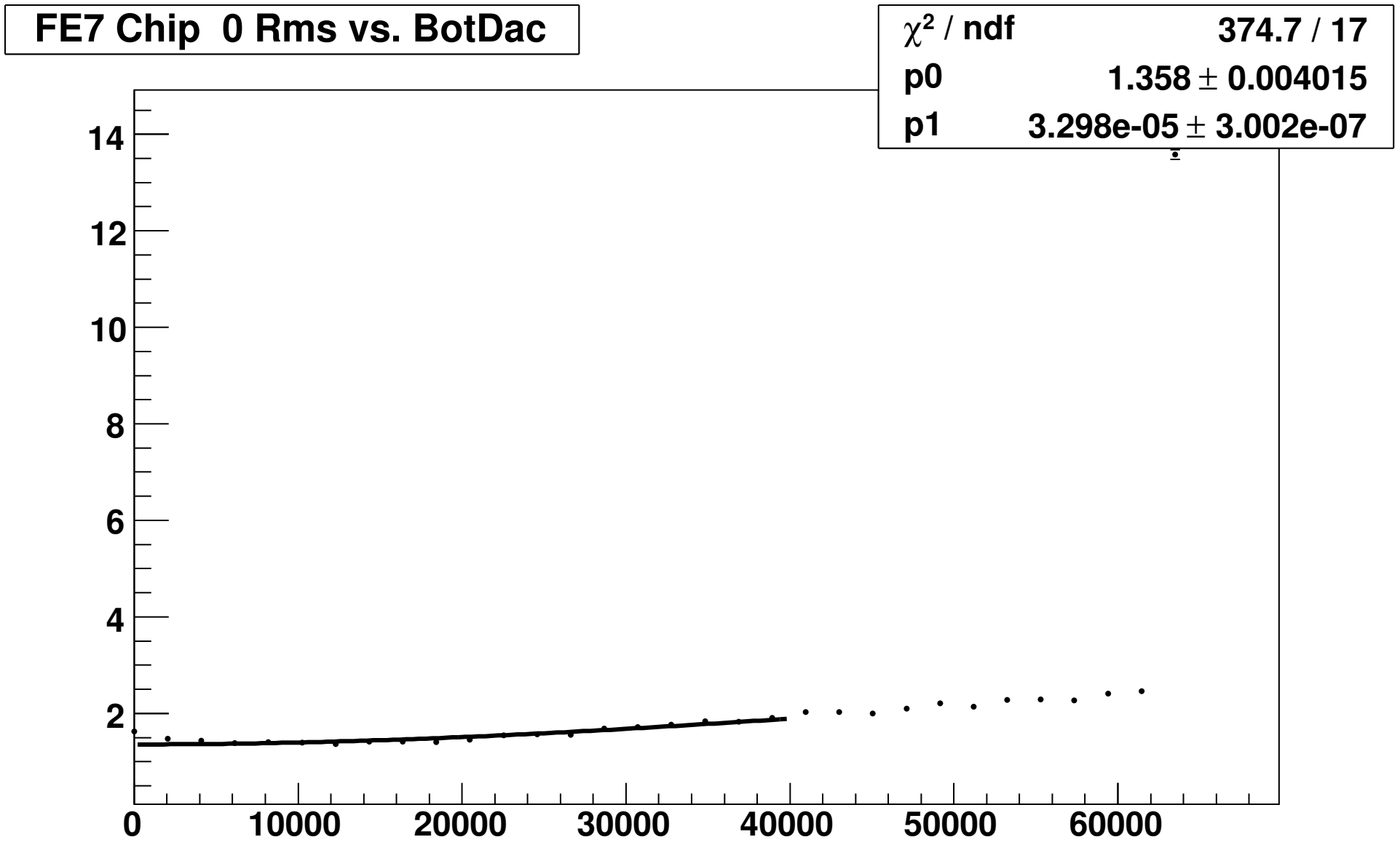
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 374.7 / 17
p0 1.358 ± 0.004015
p1 3.298e-05 ± 3.002e-07
14
12
10
8
6
4
2
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10000
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30000
40000
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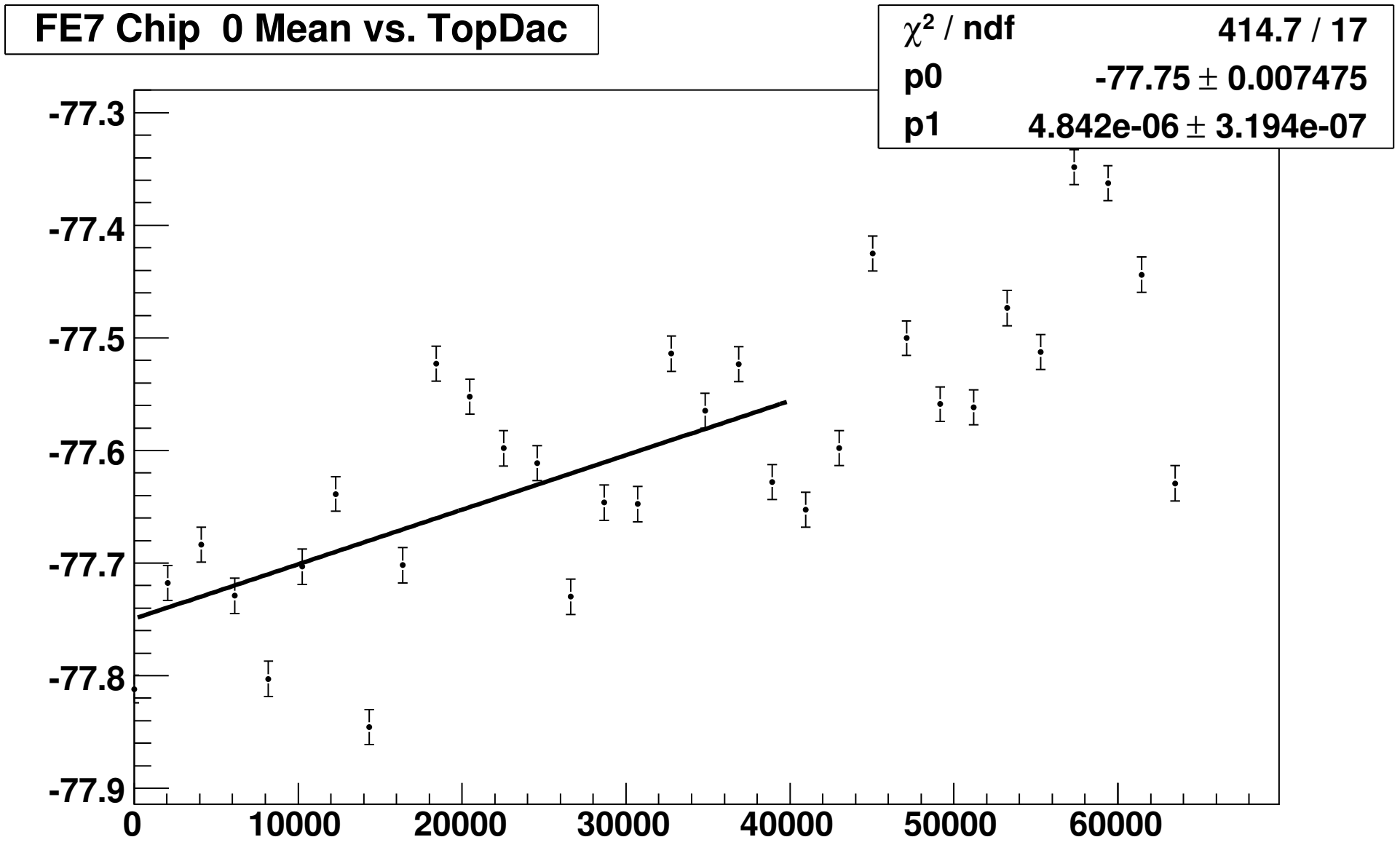
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 414.7 / 17
p0 -77.75 ± 0.007475
p1 4.842e-06 ± 3.194e-07
-77.3
-77.4
-77.5
-77.6
-77.7
-77.8
-77.9
0
10000
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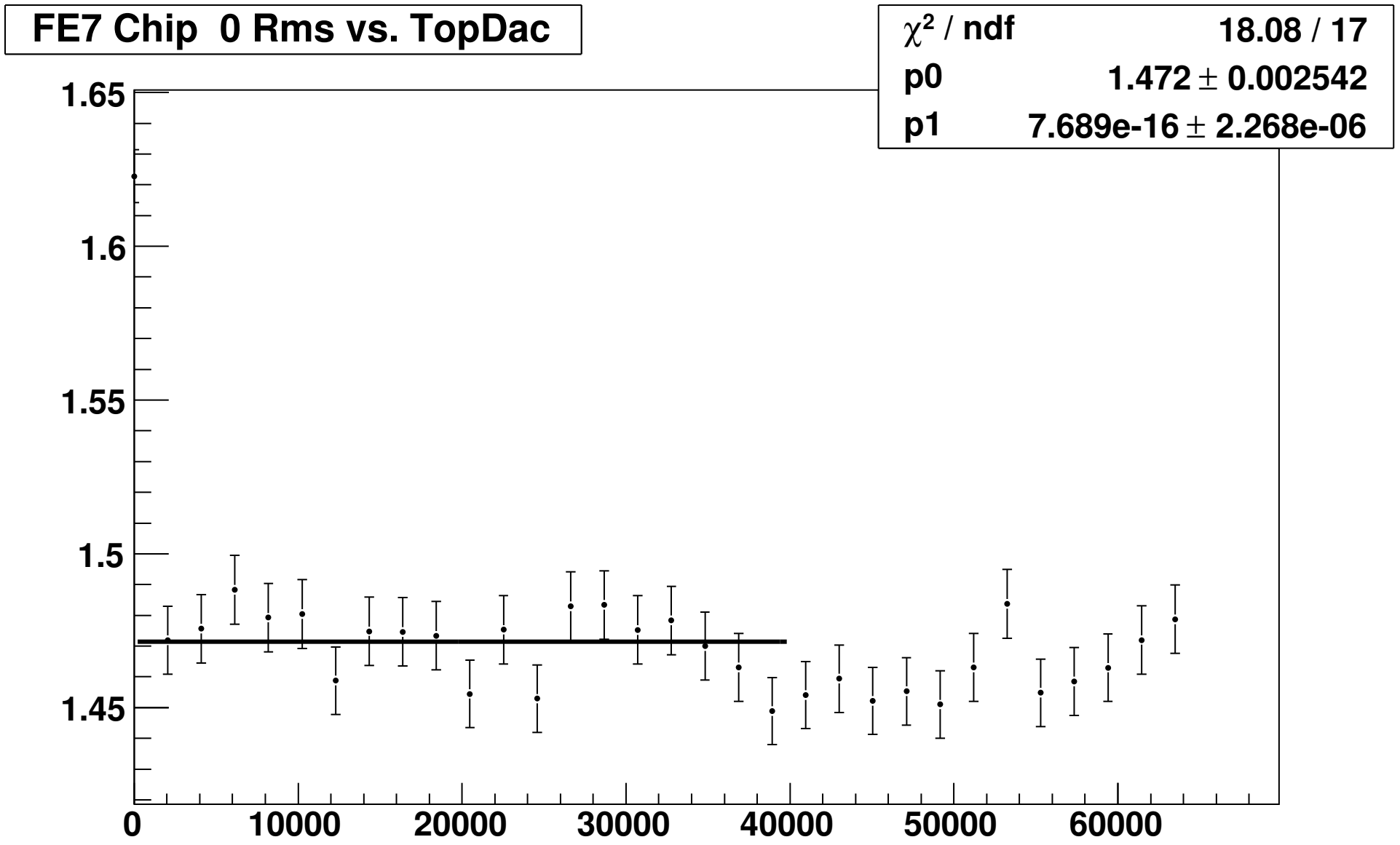
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 18.08 / 17
p0 1.472 ± 0.002542
p1 7.689e-16 ± 2.268e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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30000
40000
50000
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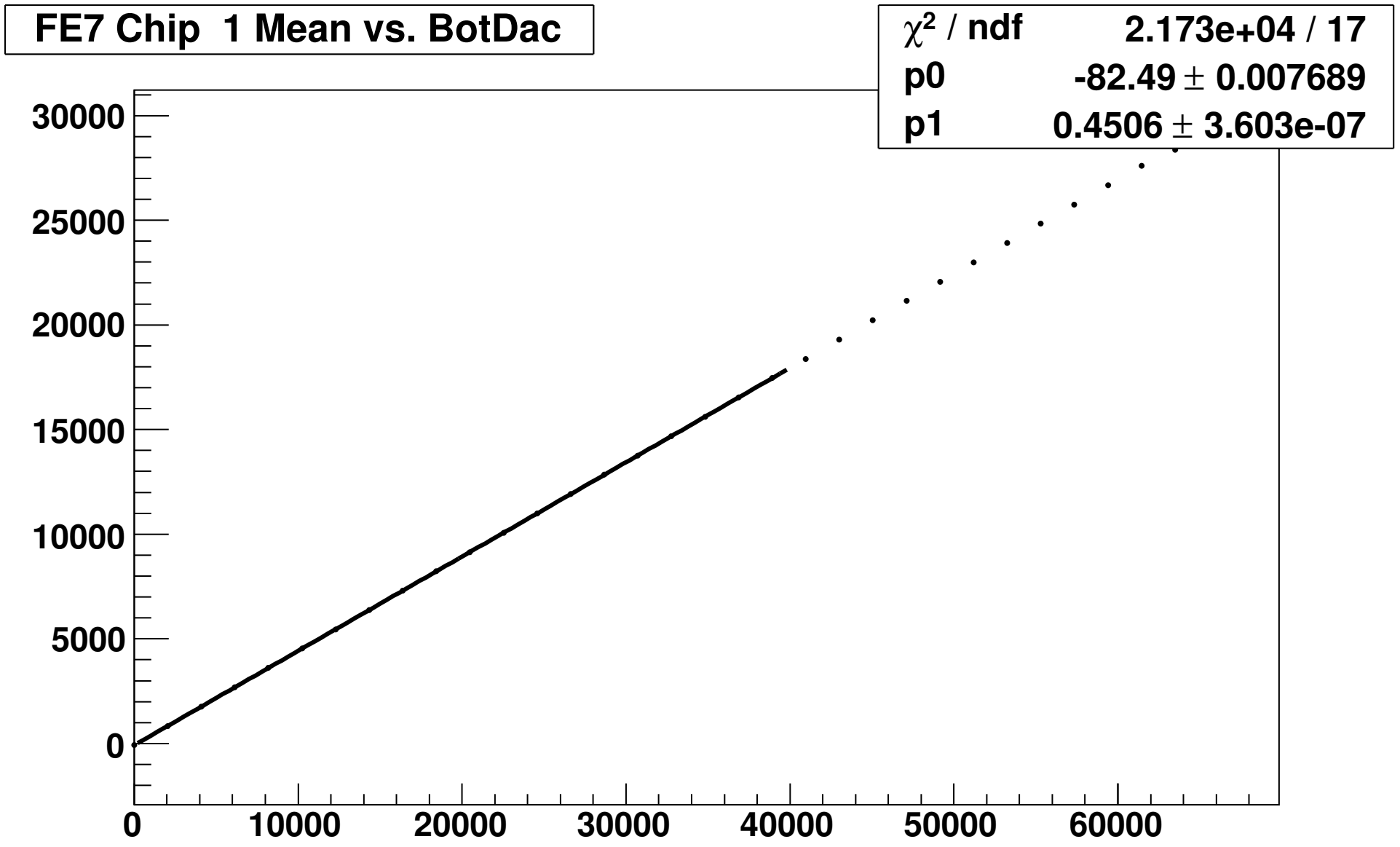
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 2.173e+04 / 17
p0 -82.49 ± 0.007689
p1 0.4506 ± 3.603e-07
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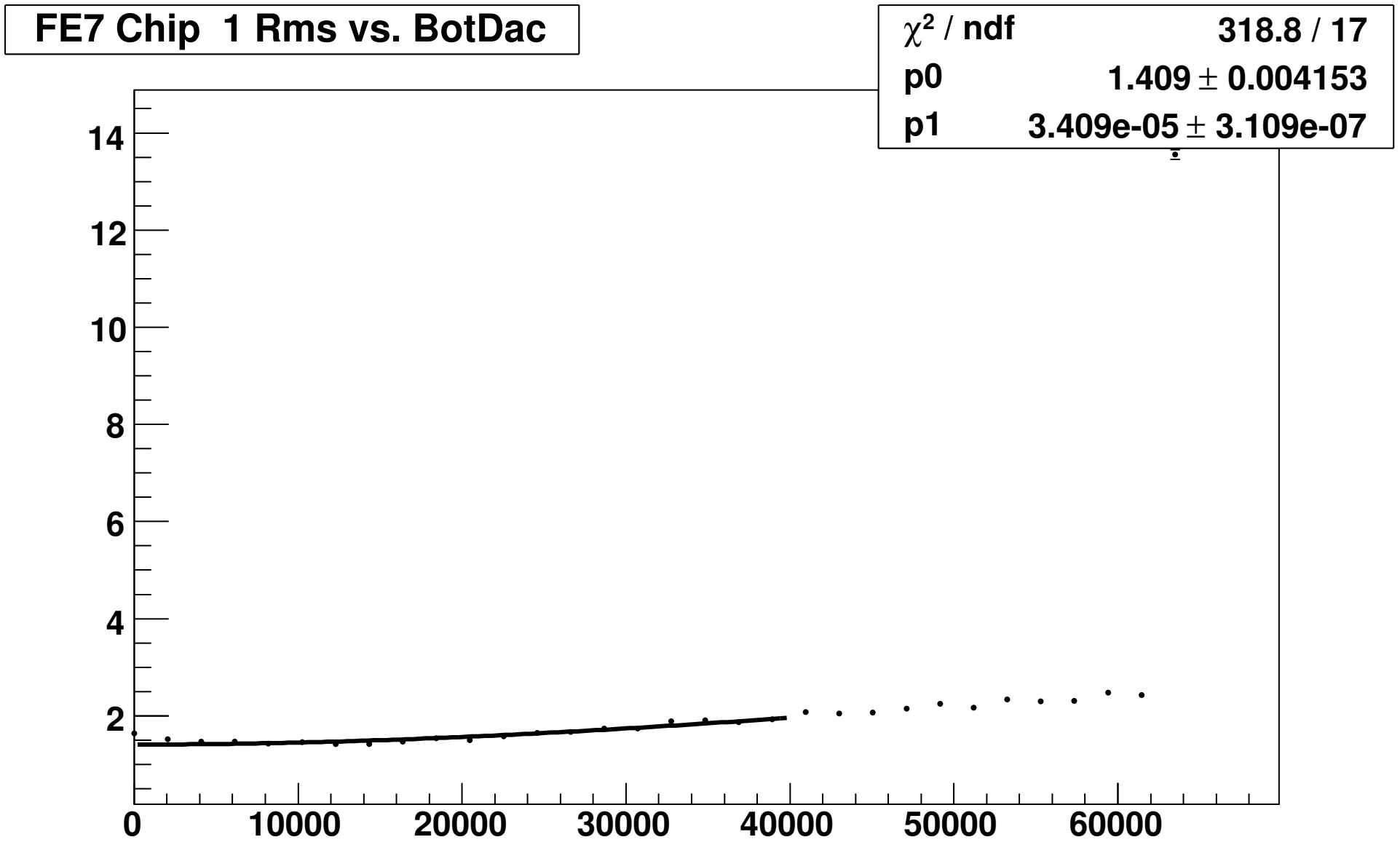
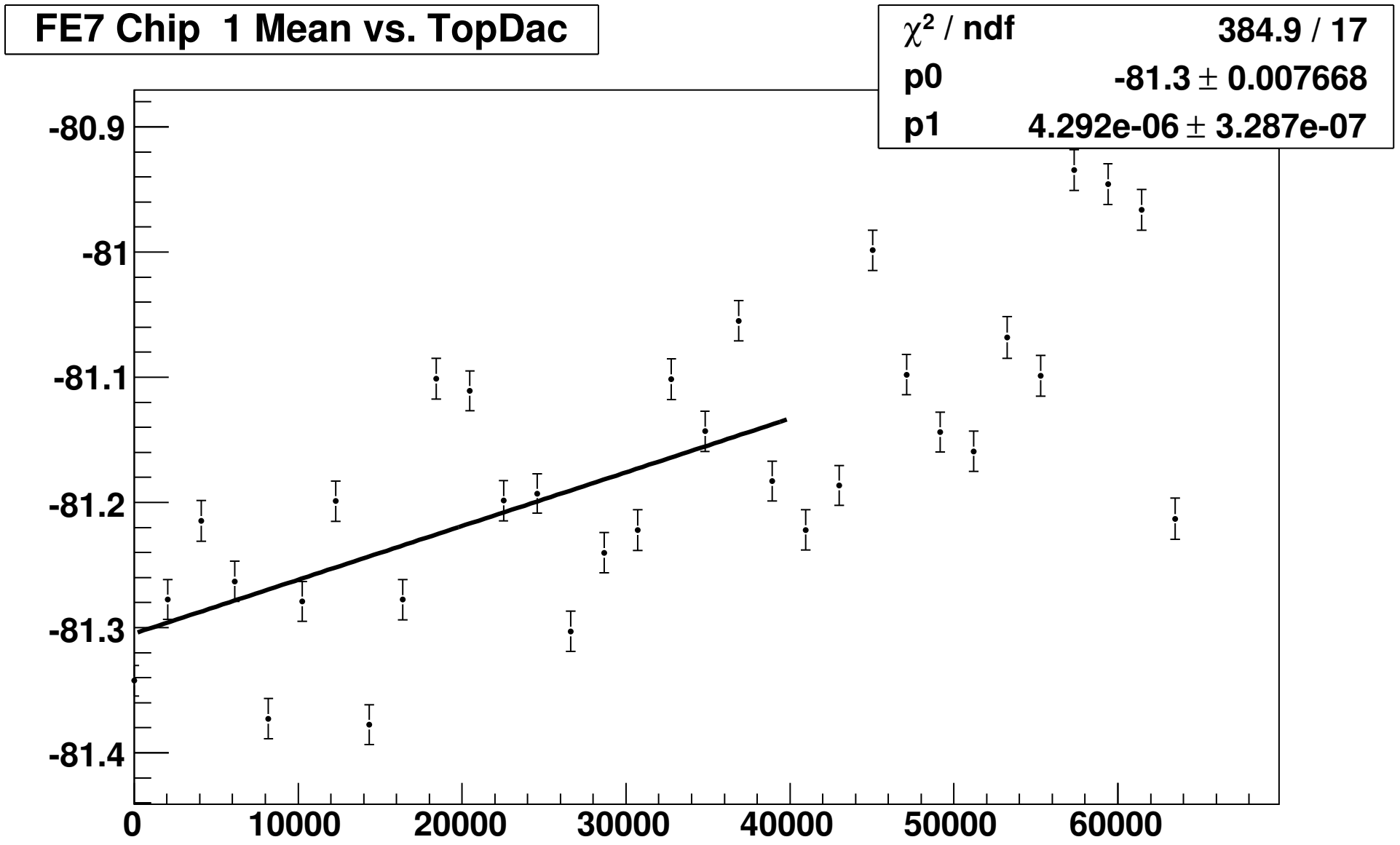
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 318.8 / 17
p0 1.409 ± 0.004153
p1 3.409e-05 ± 3.109e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 384.9 / 17
p0 -81.3 ± 0.007668
p1 4.292e-06 ± 3.287e-07
-80.9
-81
-81.1
-81.2
-81.3
-81.4
0
10000
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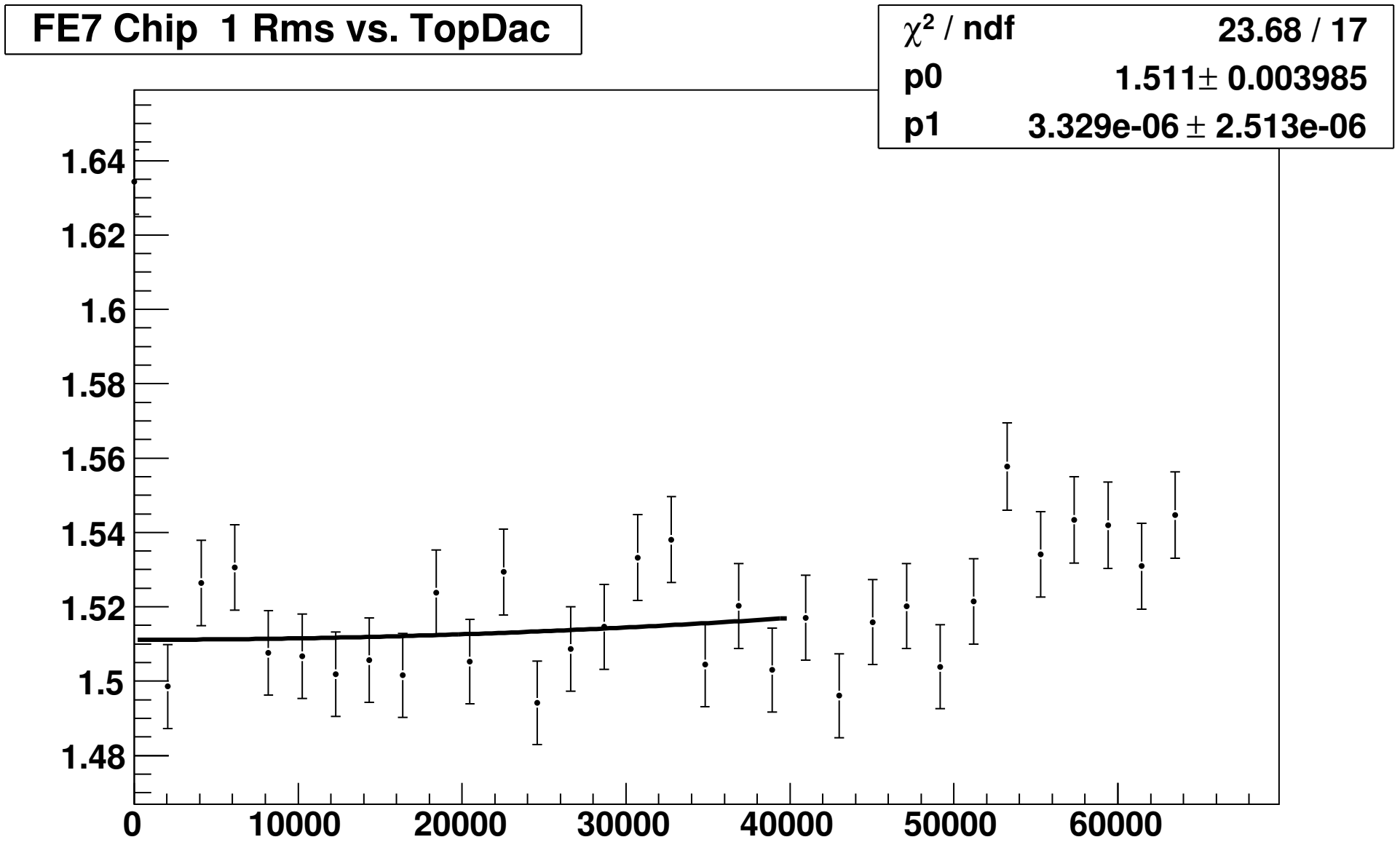
30000
40000
50000
60000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 23.68 / 17
p0 1.511 ± 0.003985
p1 3.329e-06 ± 2.513e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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40000
50000
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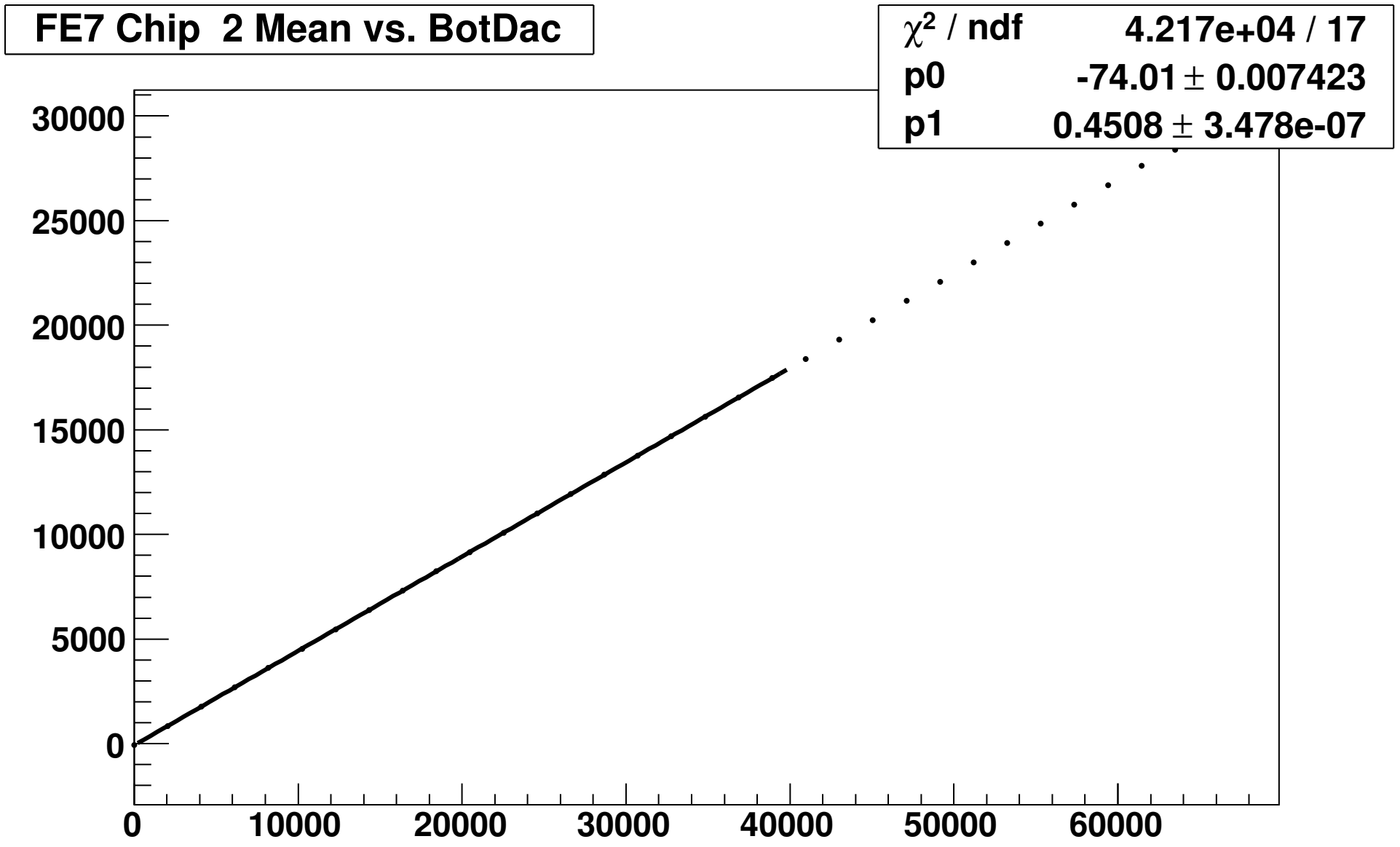
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 4.217e+04 / 17
p0 -74.01 ± 0.007423
p1 0.4508 ± 3.478e-07
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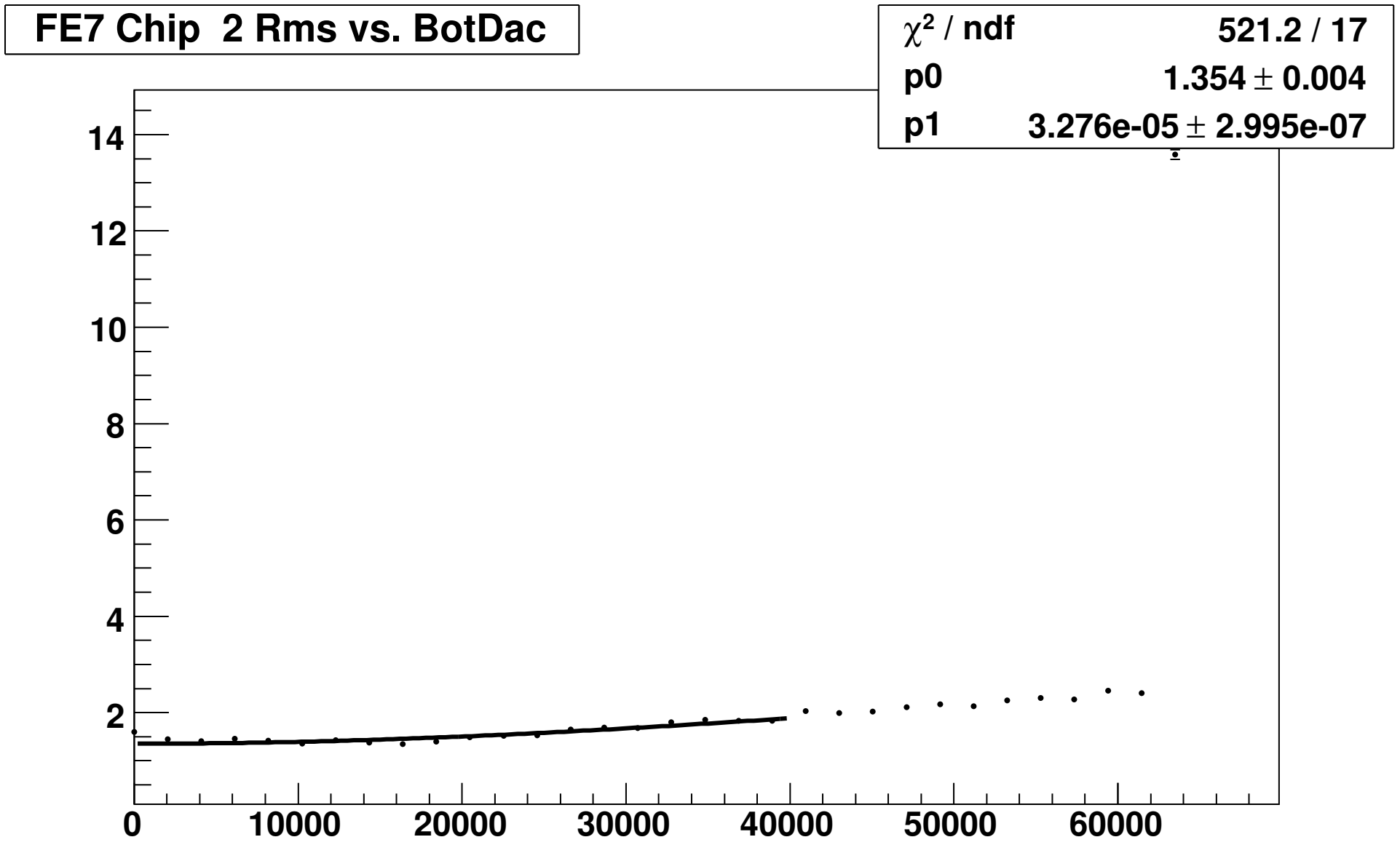
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 521.2 / 17
p0 1.354 ± 0.004
p1 3.276e-05 ± 2.995e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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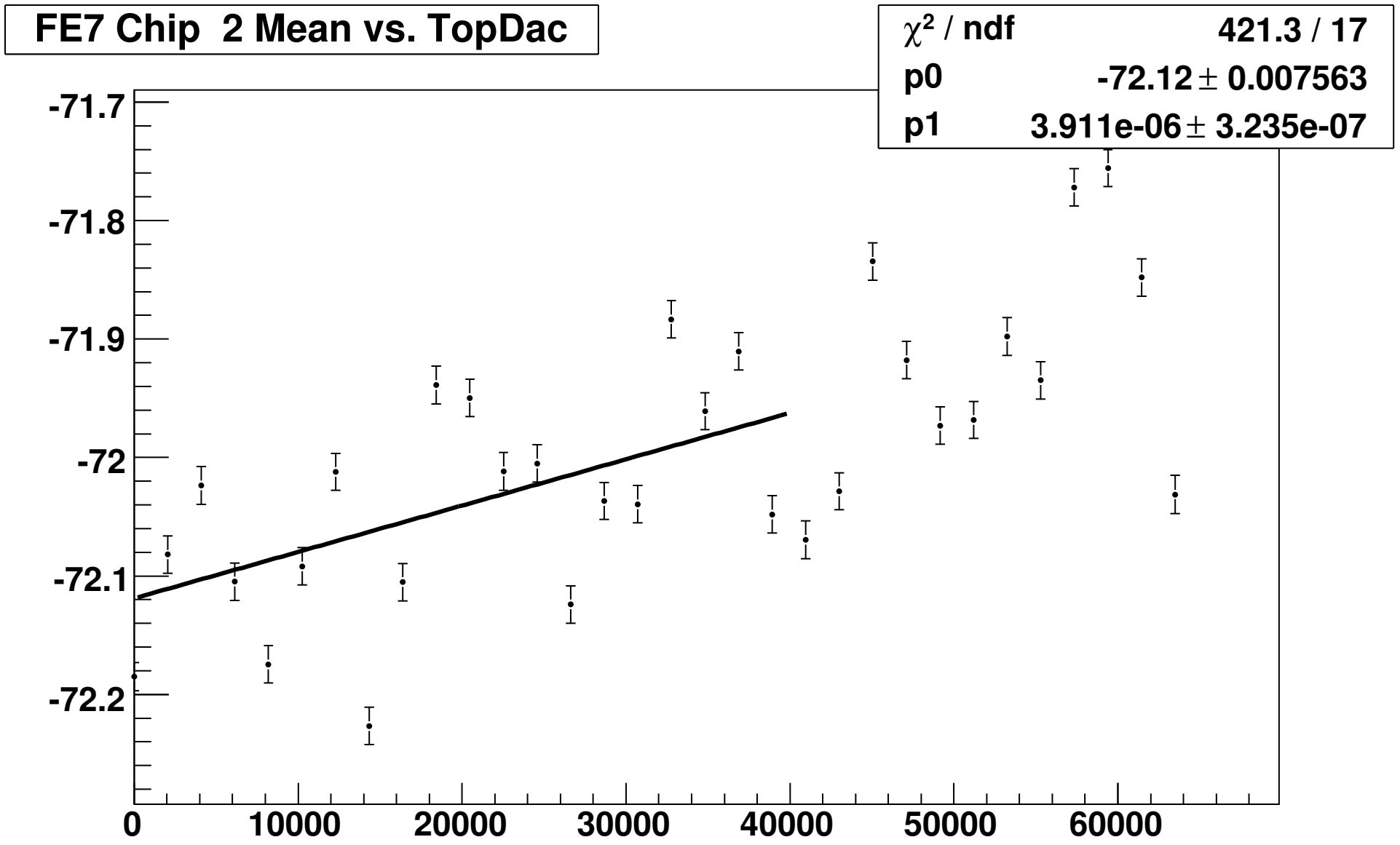
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 421.3 / 17
p0 -72.12 ± 0.007563
p1 3.911e-06 ± 3.235e-07
-71.7
-71.8
-71.9
-72
-72.1
-72.2
0
10000
20000
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50000
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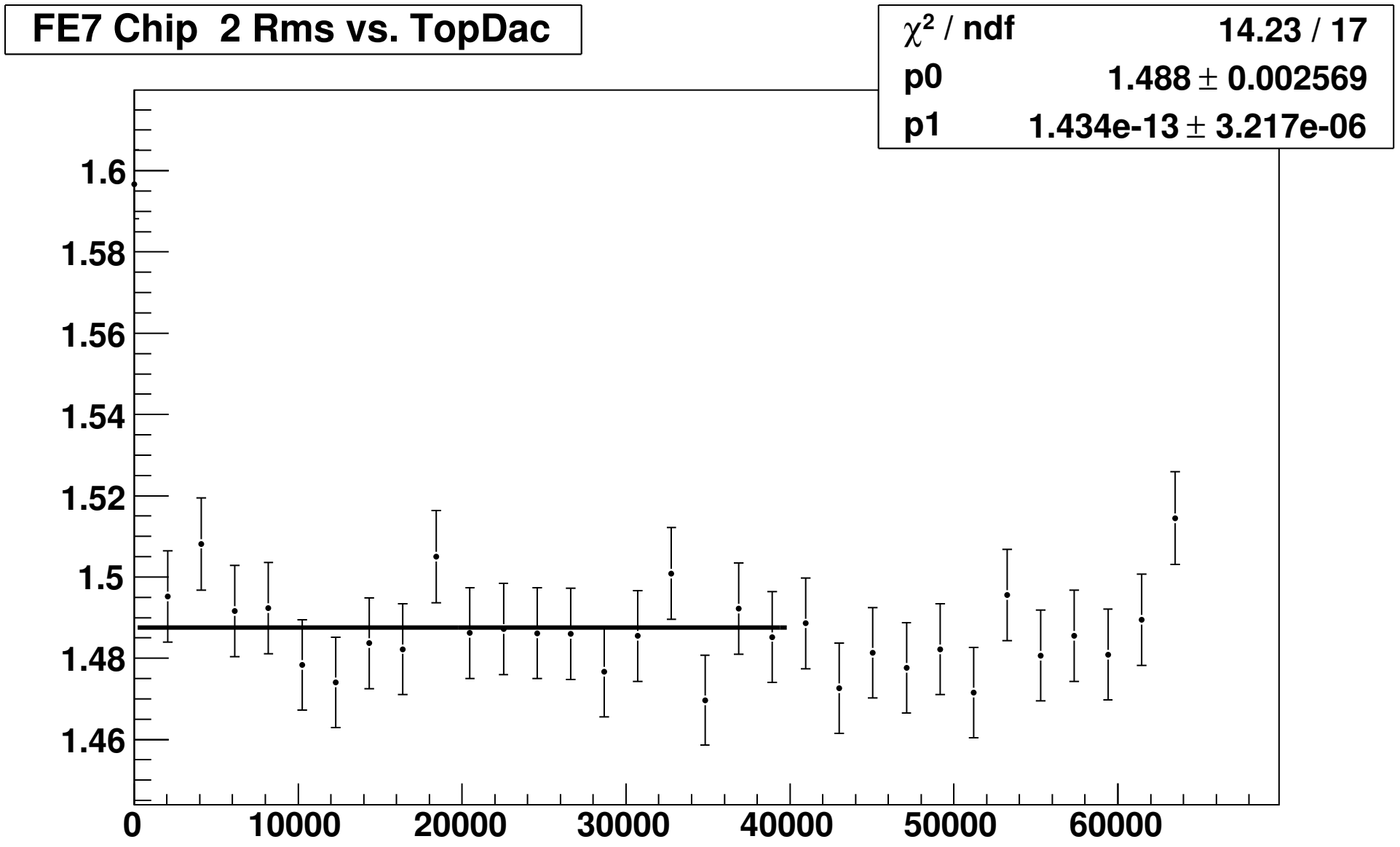
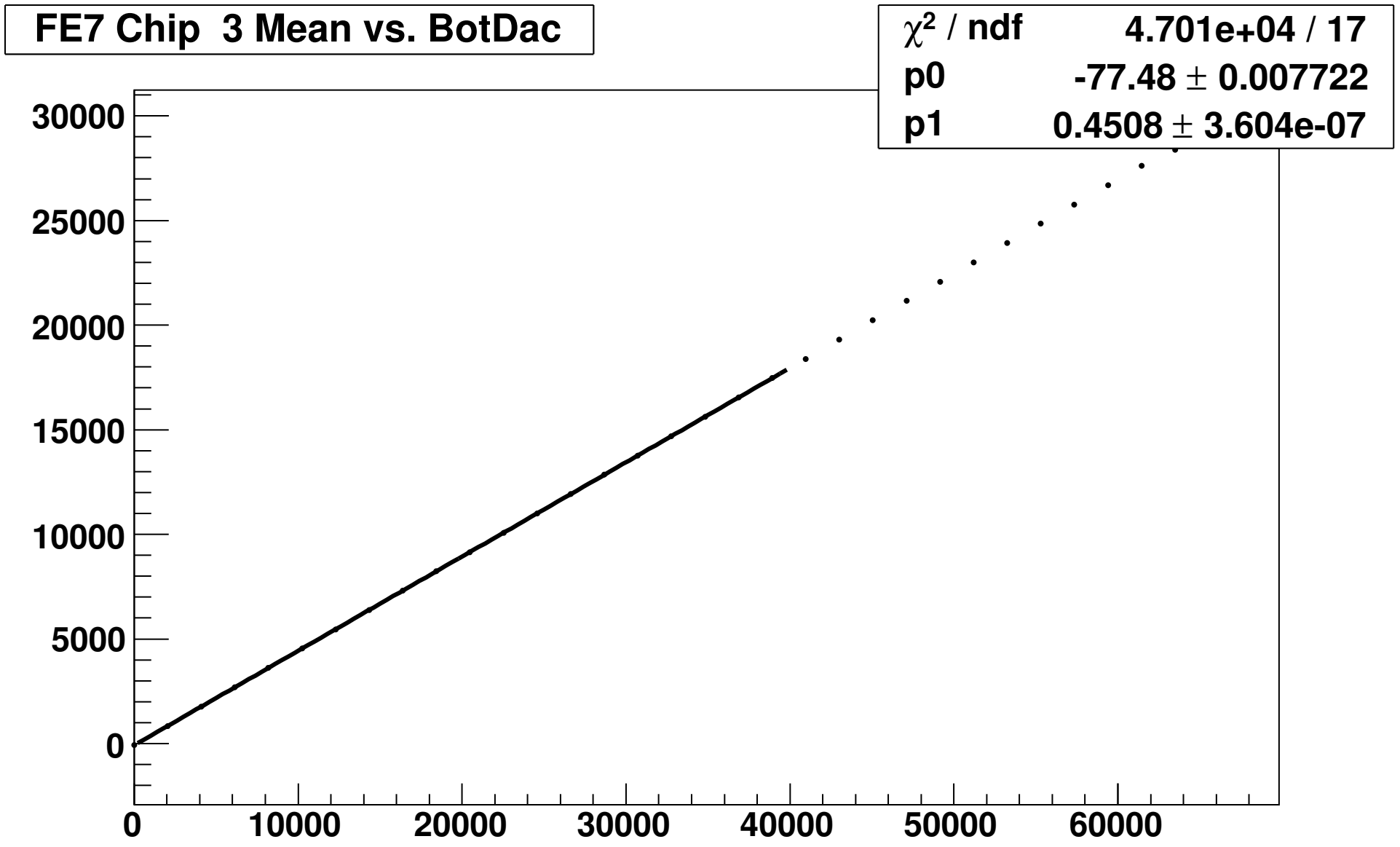

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 14.23 / 17
p0 1.488 ± 0.002569
p1 1.434e-13 ± 3.217e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 4.701e+04 / 17
p0 -77.48 ± 0.007722
p1 0.4508 ± 3.604e-07
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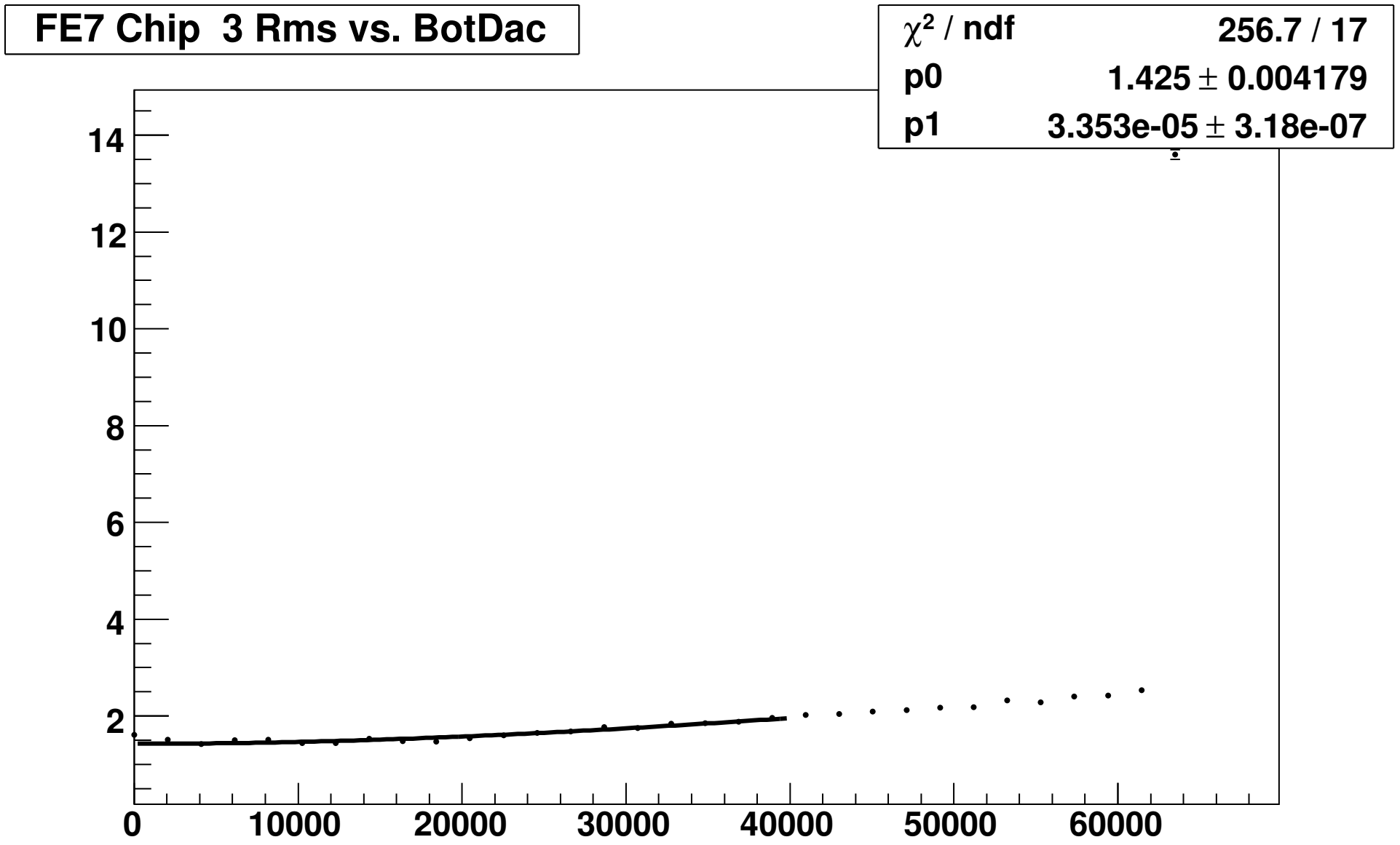
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 256.7 / 17
p0 1.425 ± 0.004179
p1 3.353e-05 ± 3.18e-07
14
12
10
8
6
4
2
0
10000
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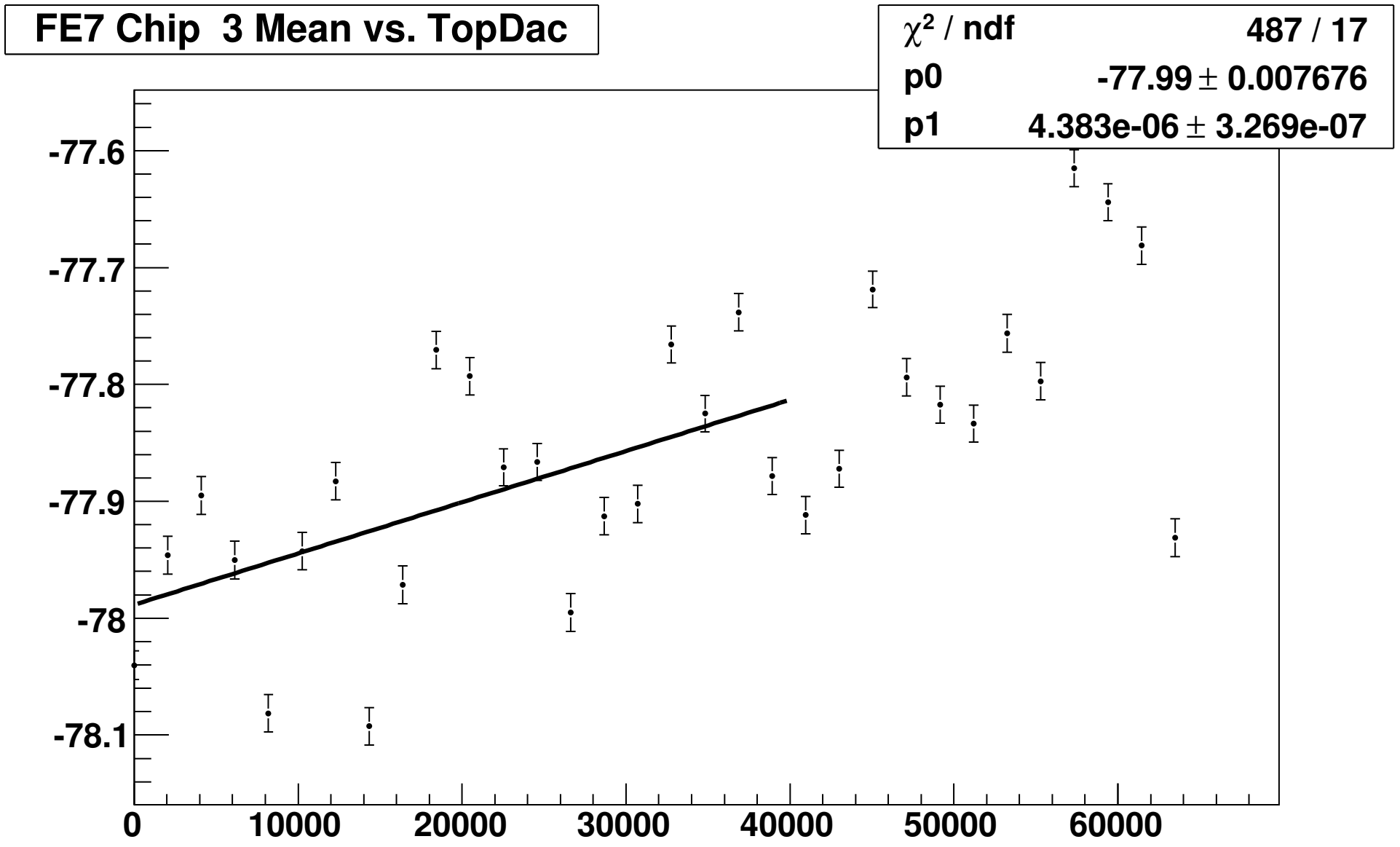
30000
40000
50000
60000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 487 / 17
p0 -77.99 ± 0.007676
p1 4.383e-06 ± 3.269e-07
-77.6
-77.7
-77.8
-77.9
-78
-78.1
0
10000
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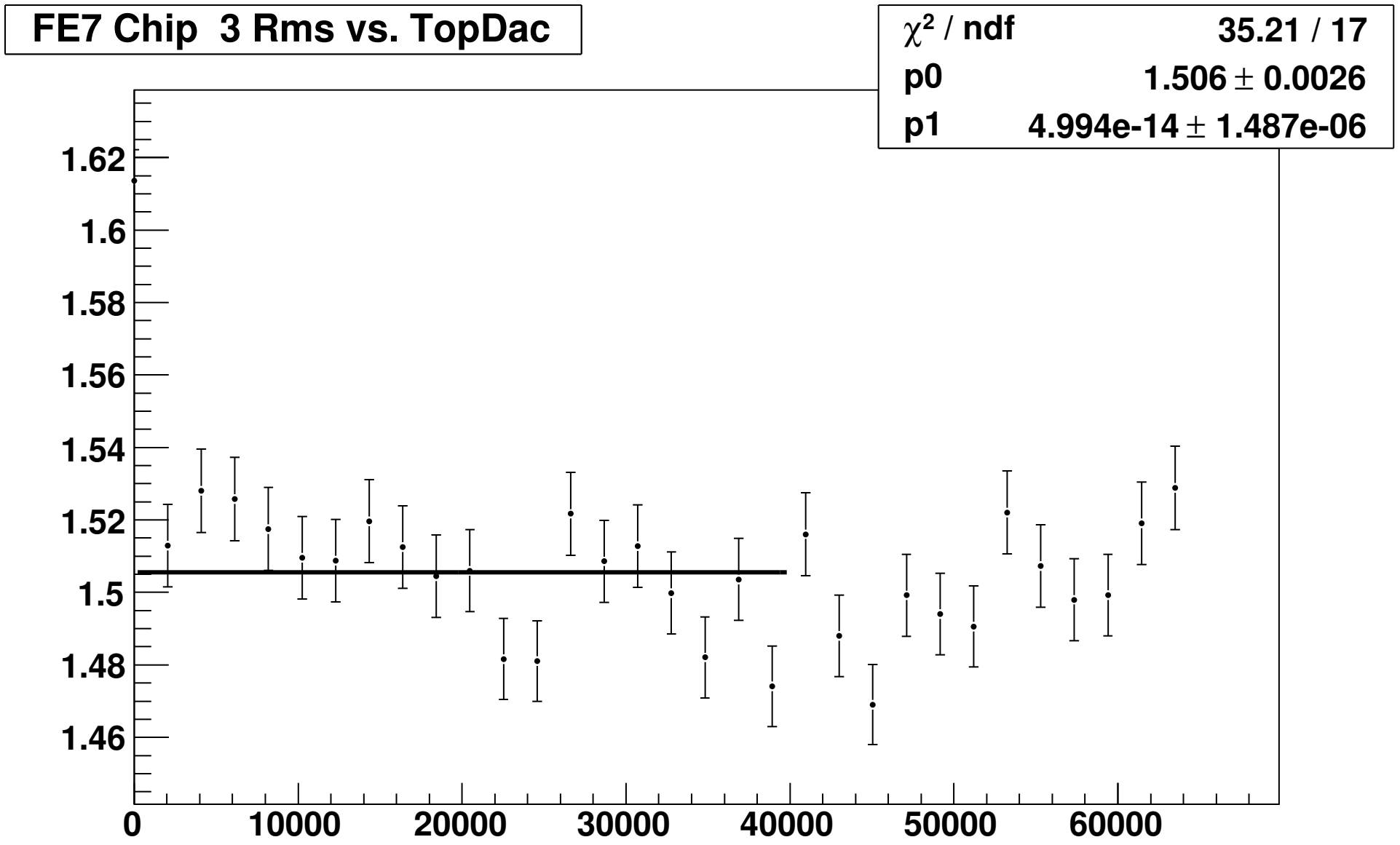
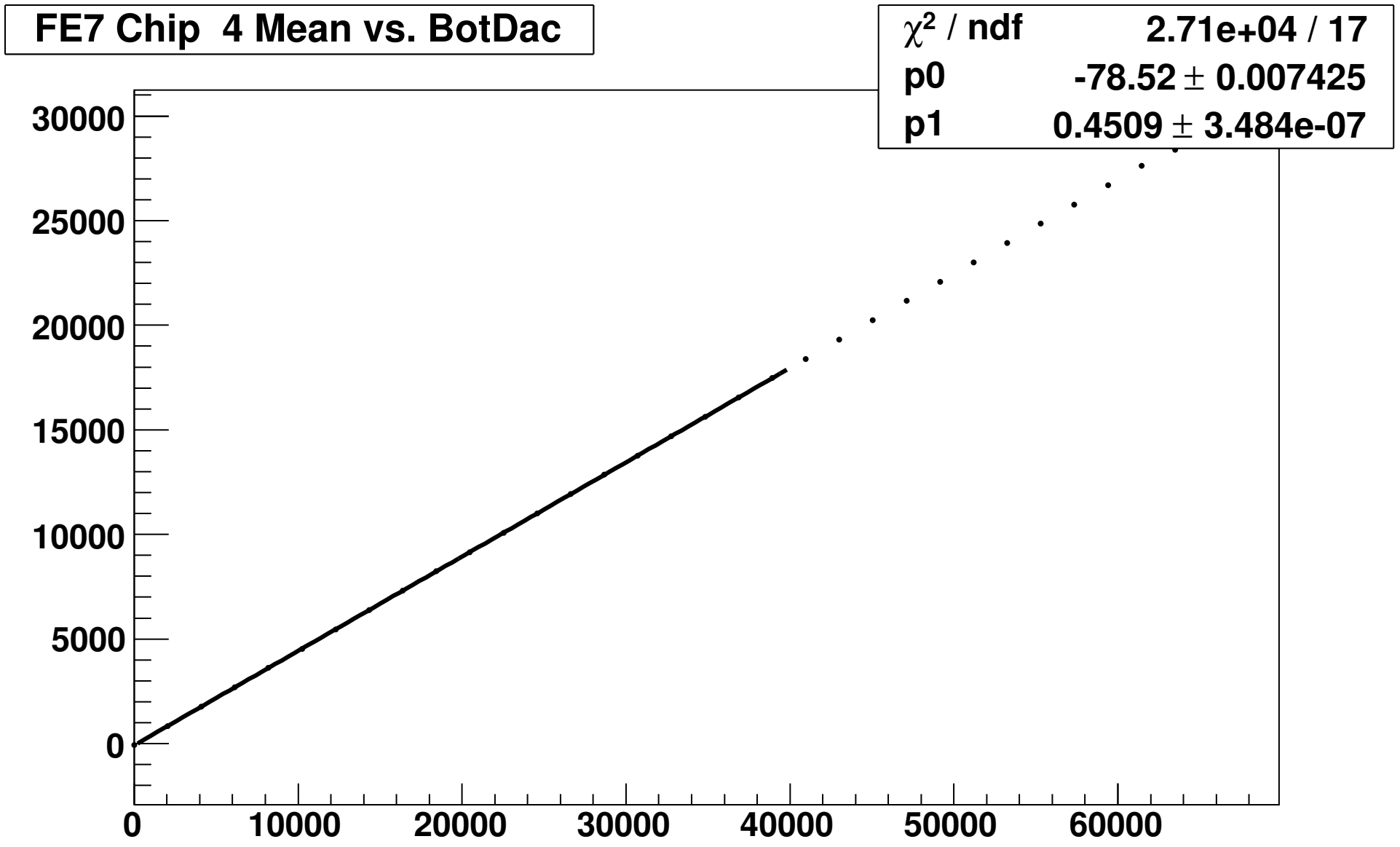
40000
50000
60000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 35.21 / 17
p0 1.506 ± 0.0026
p1 4.994e-14 ± 1.487e-06
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


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 2.71e+04 / 17
p0 -78.52 ± 0.007425
p1 0.4509 ± 3.484e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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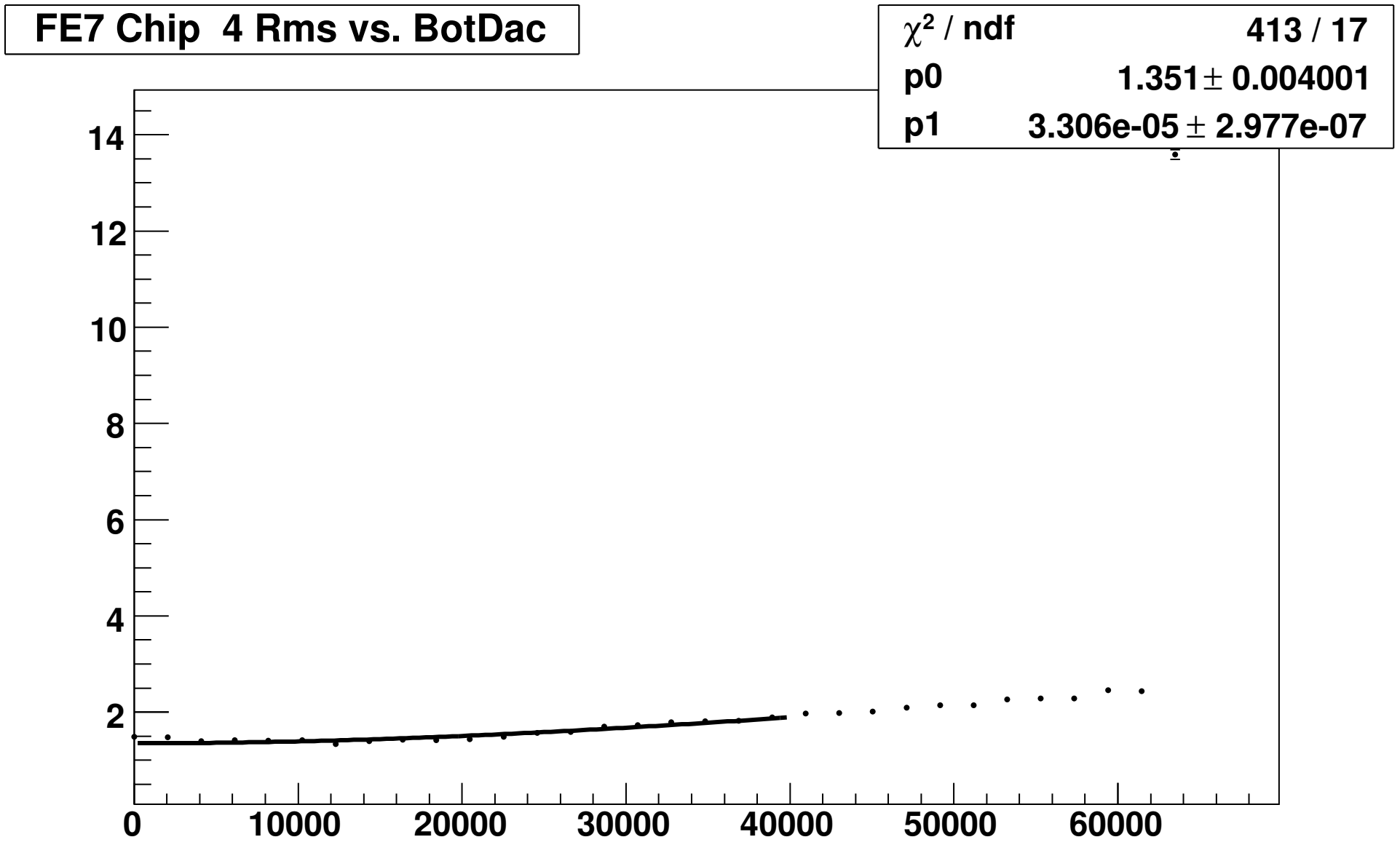
50000
60000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 413 / 17
p0 1.351 ± 0.004001
p1 3.306e-05 ± 2.977e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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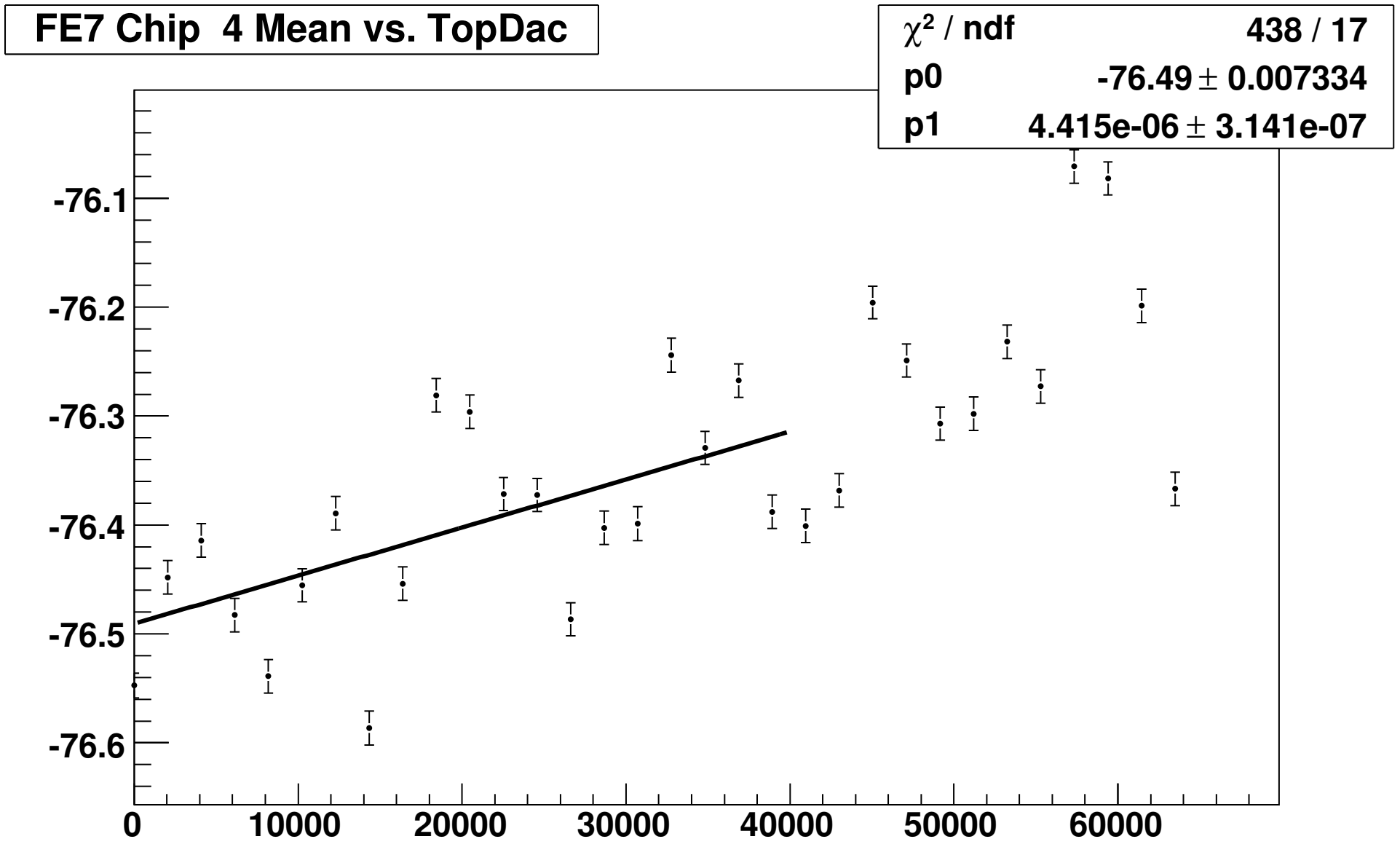
FE7 Chip 4 Mean vs. TopDac
χ² / ndf 438 / 17
p0 -76.49 ± 0.007334
p1 4.415e-06 ± 3.141e-07
-76.1
-76.2
-76.3
-76.4
-76.5
-76.6
0
10000
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30000
40000
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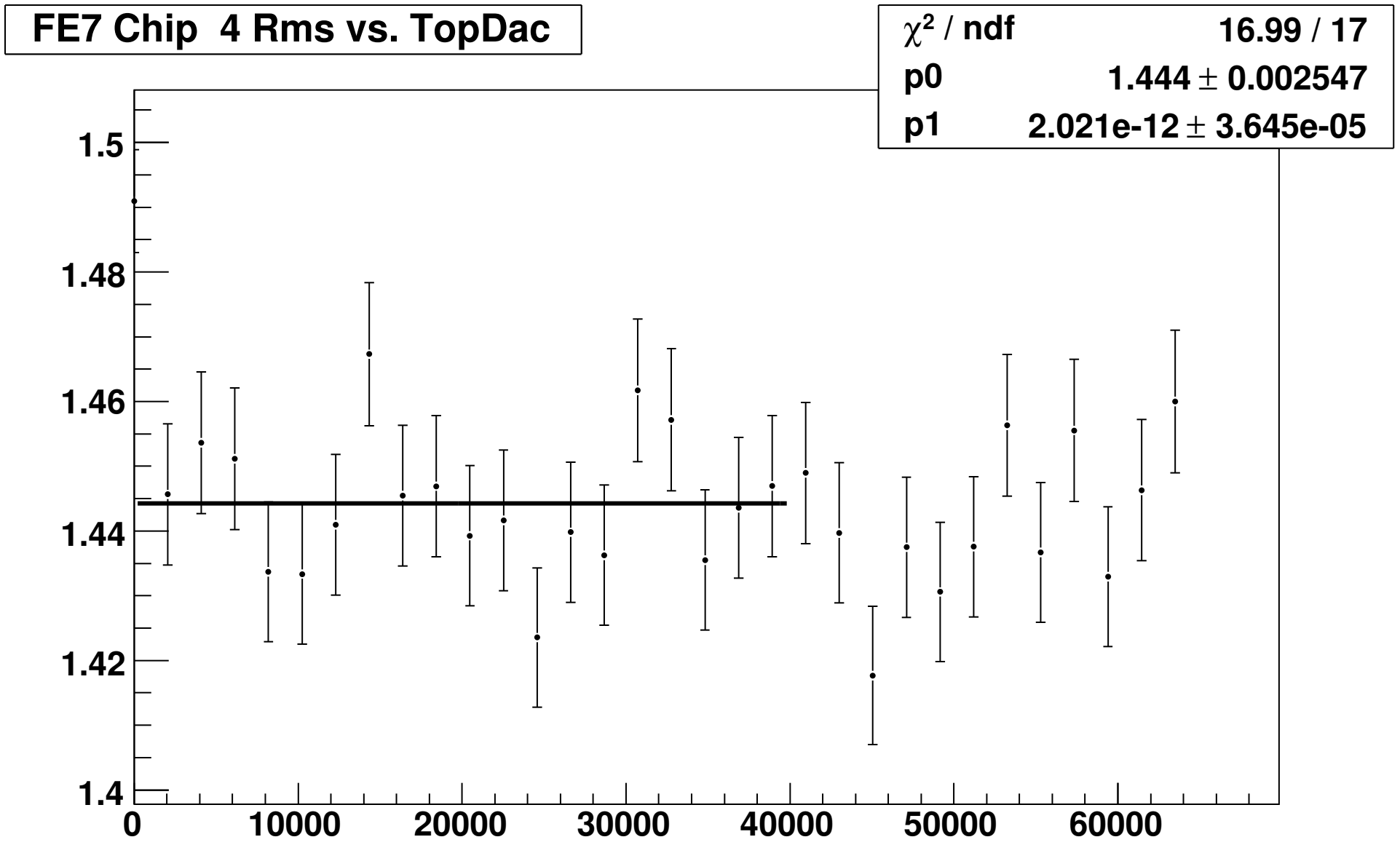
60000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 16.99 / 17
p0 1.444 ± 0.002547
p1 2.021e-12 ± 3.645e-05
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
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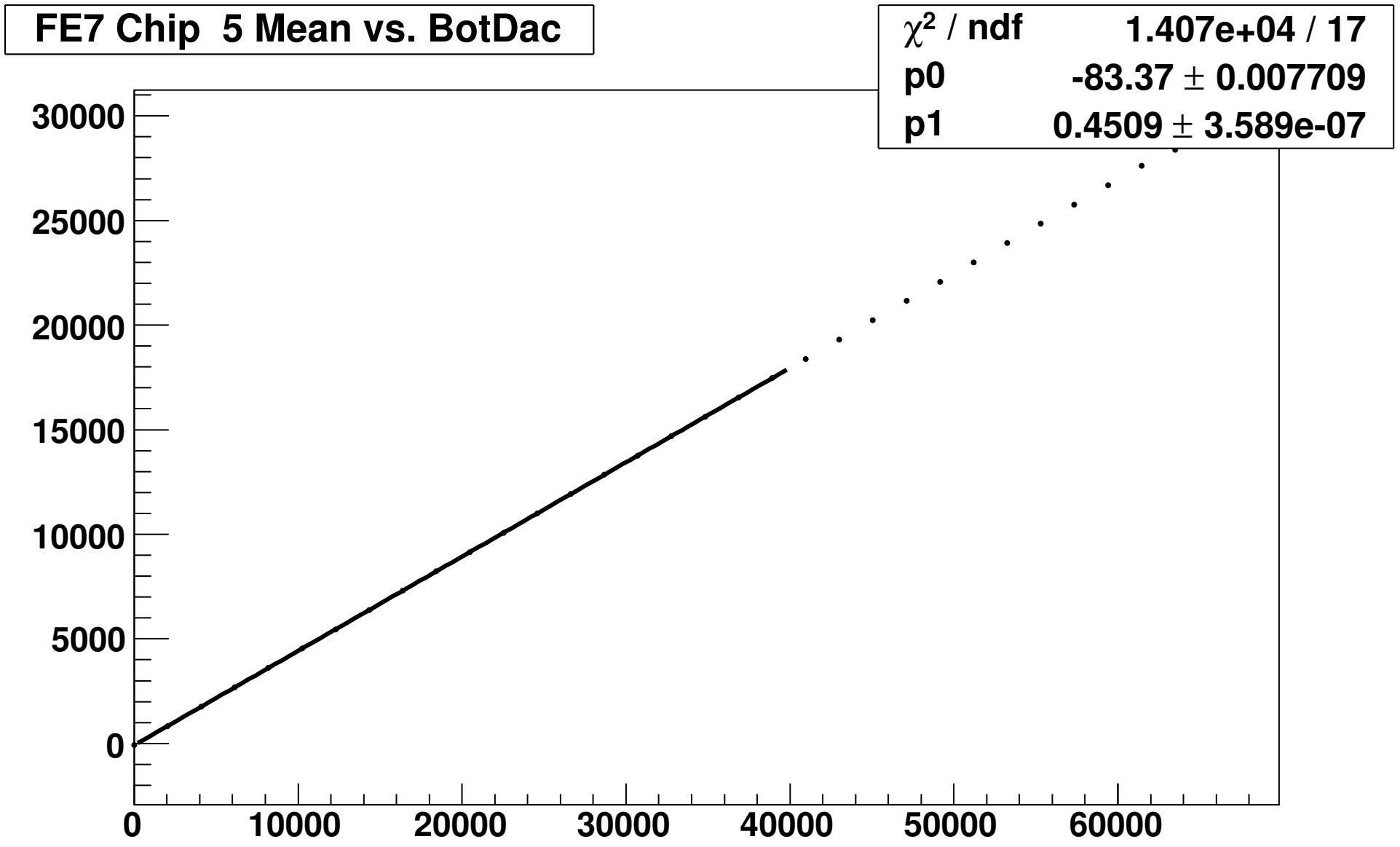
50000
60000


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.407e+04 / 17
p0 -83.37 ± 0.007709
p1 0.4509 ± 3.589e-07
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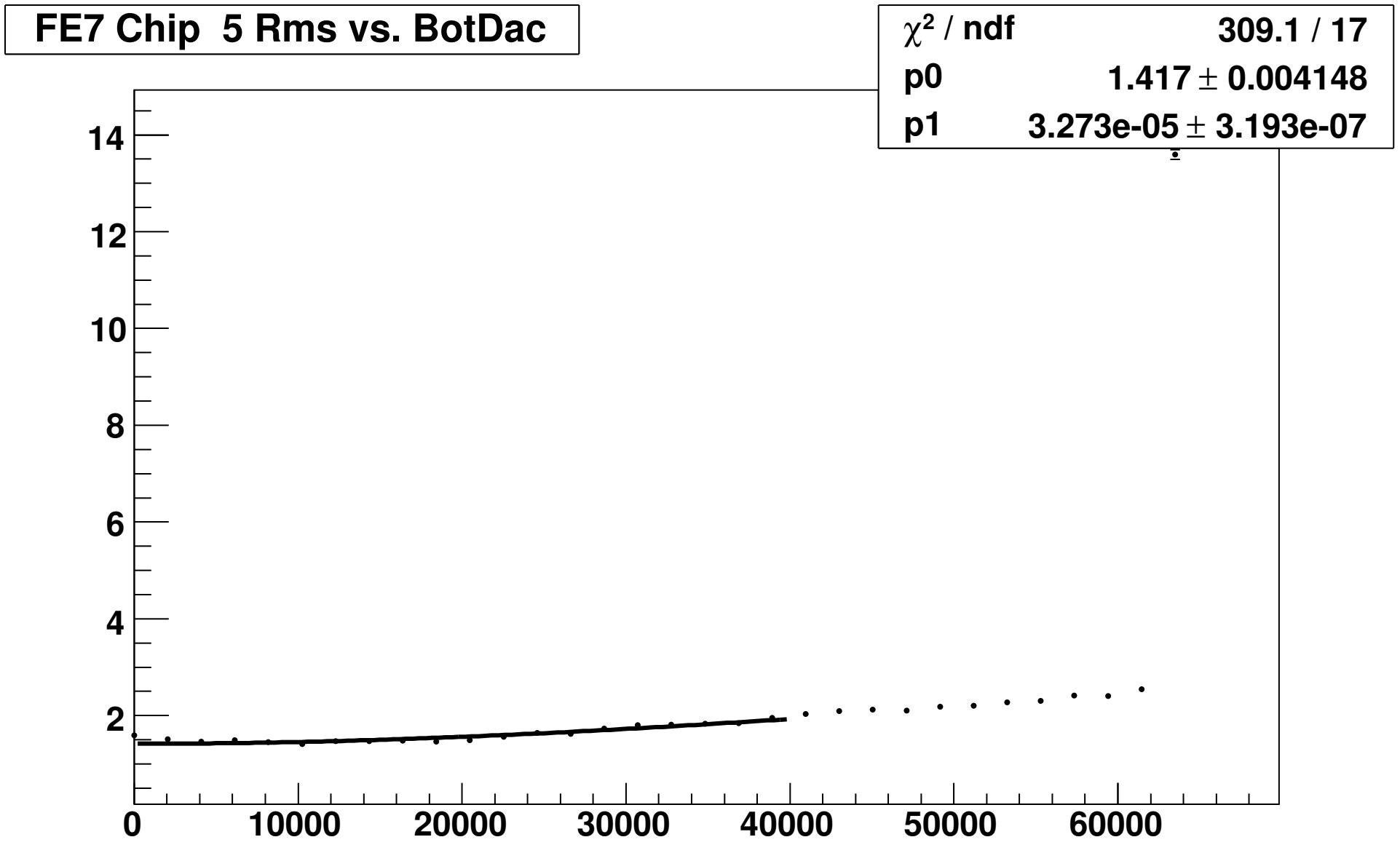
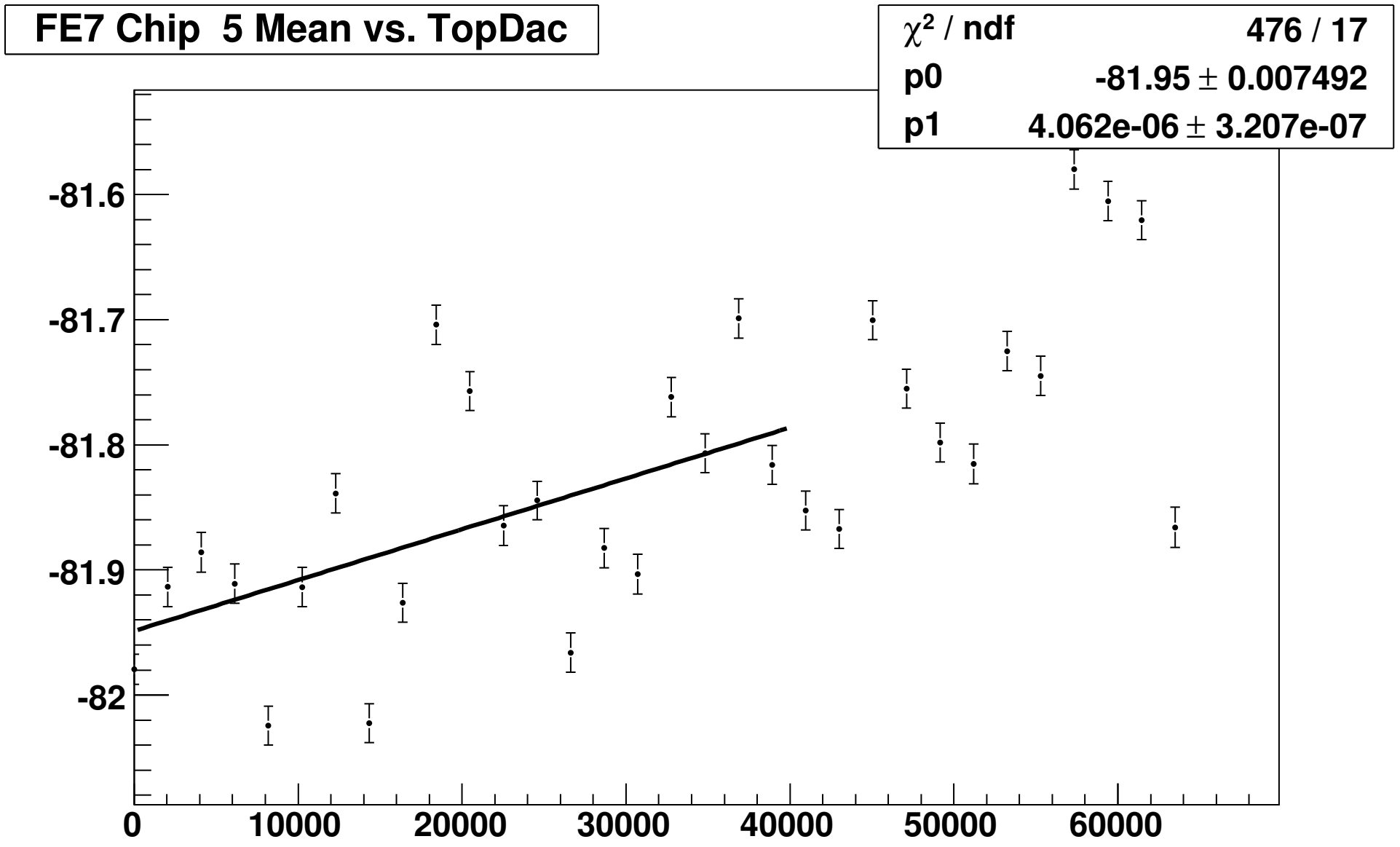
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 309.1 / 17
p0 1.417 ± 0.004148
p1 3.273e-05 ± 3.193e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 476 / 17
p0 -81.95 ± 0.007492
p1 4.062e-06 ± 3.207e-07
-81.6
-81.7
-81.8
-81.9
-82
0
10000
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30000
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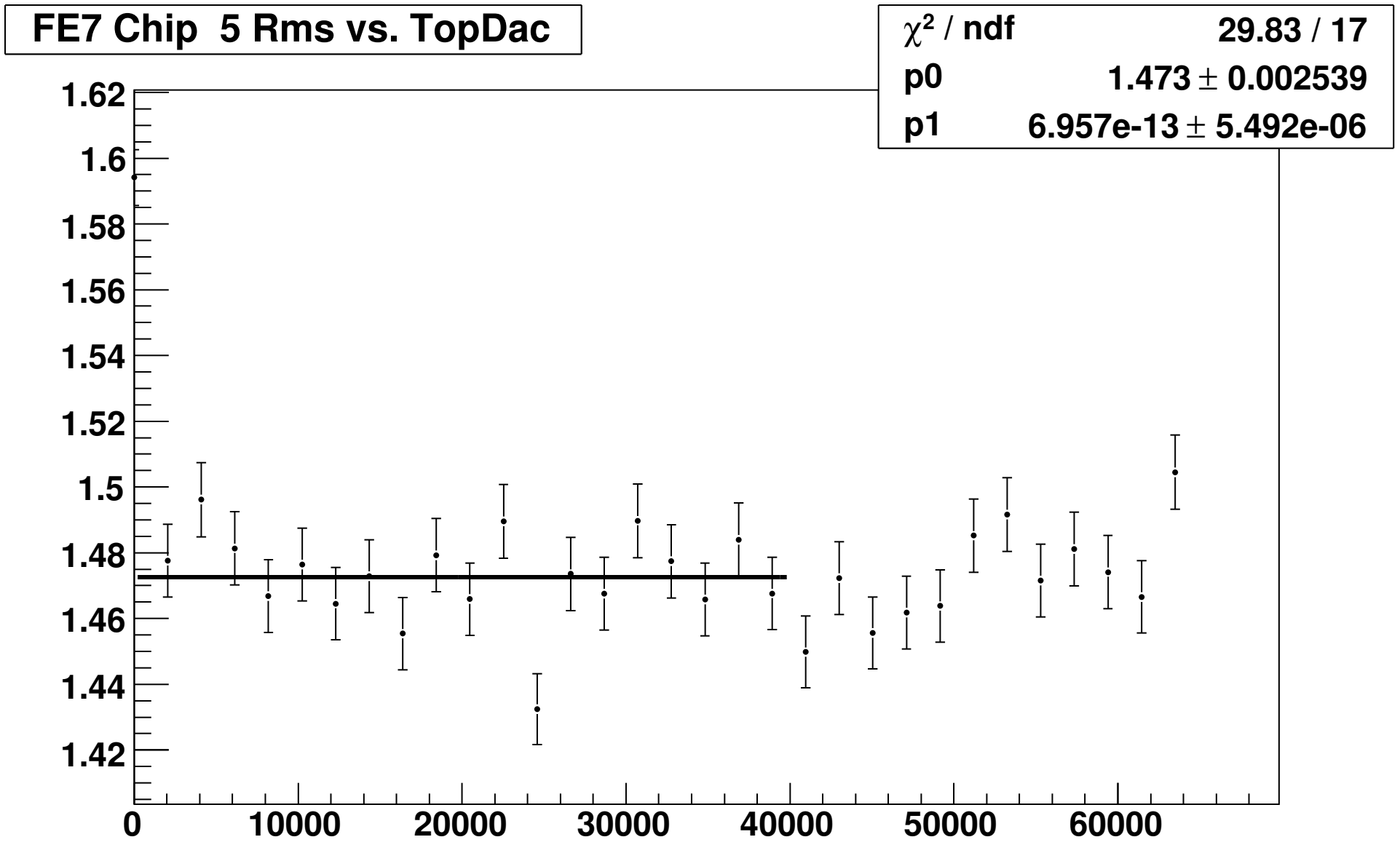
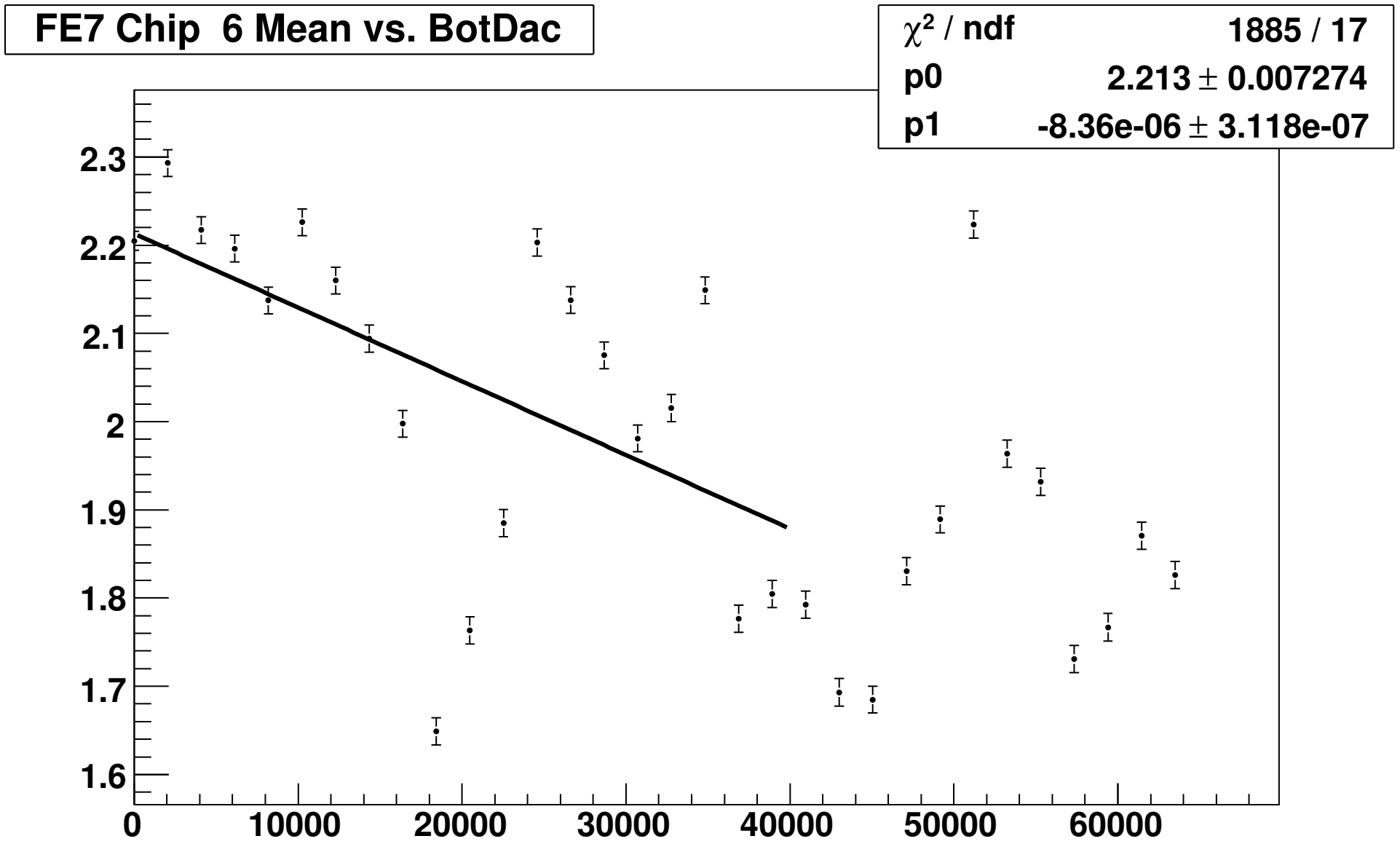
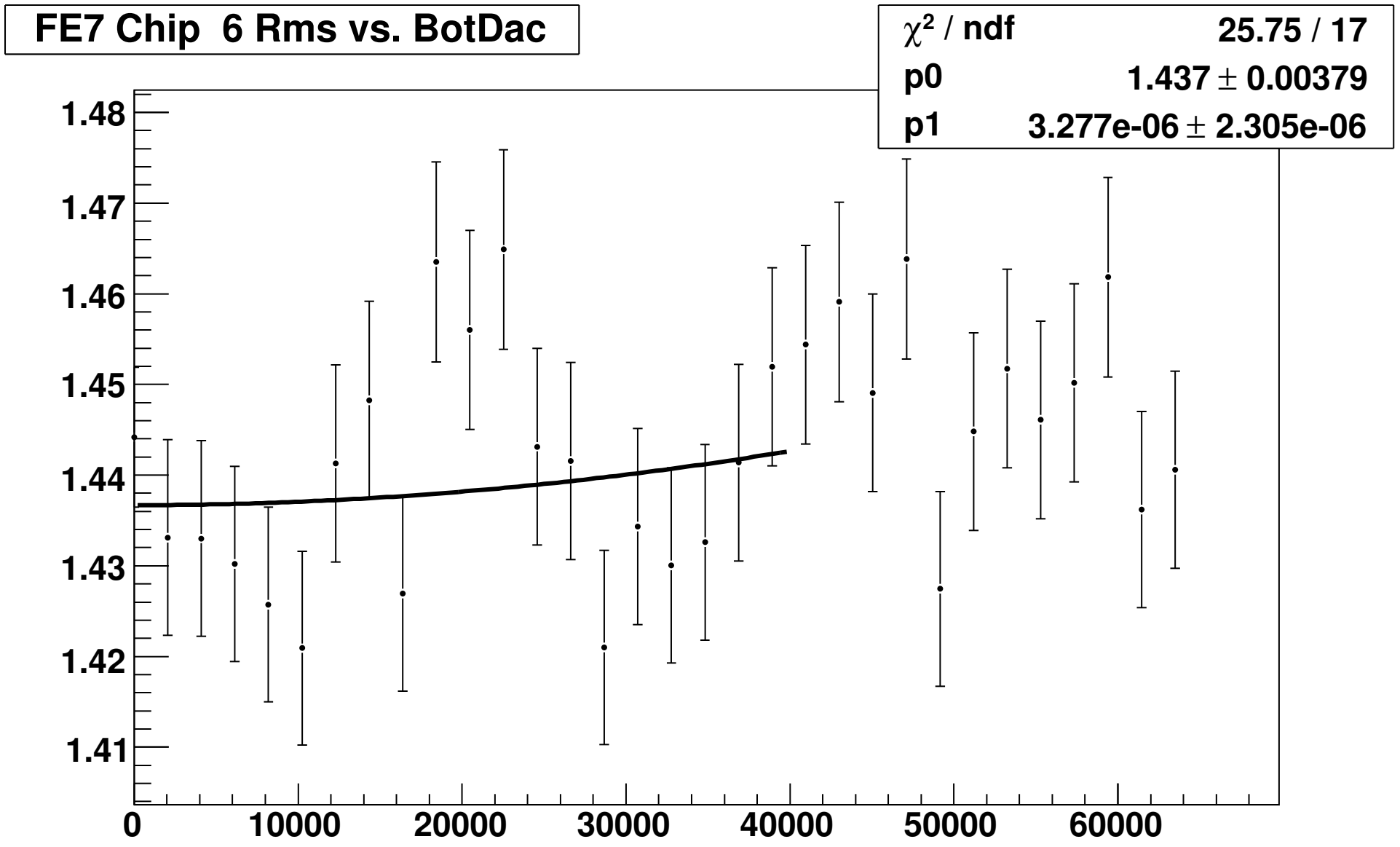
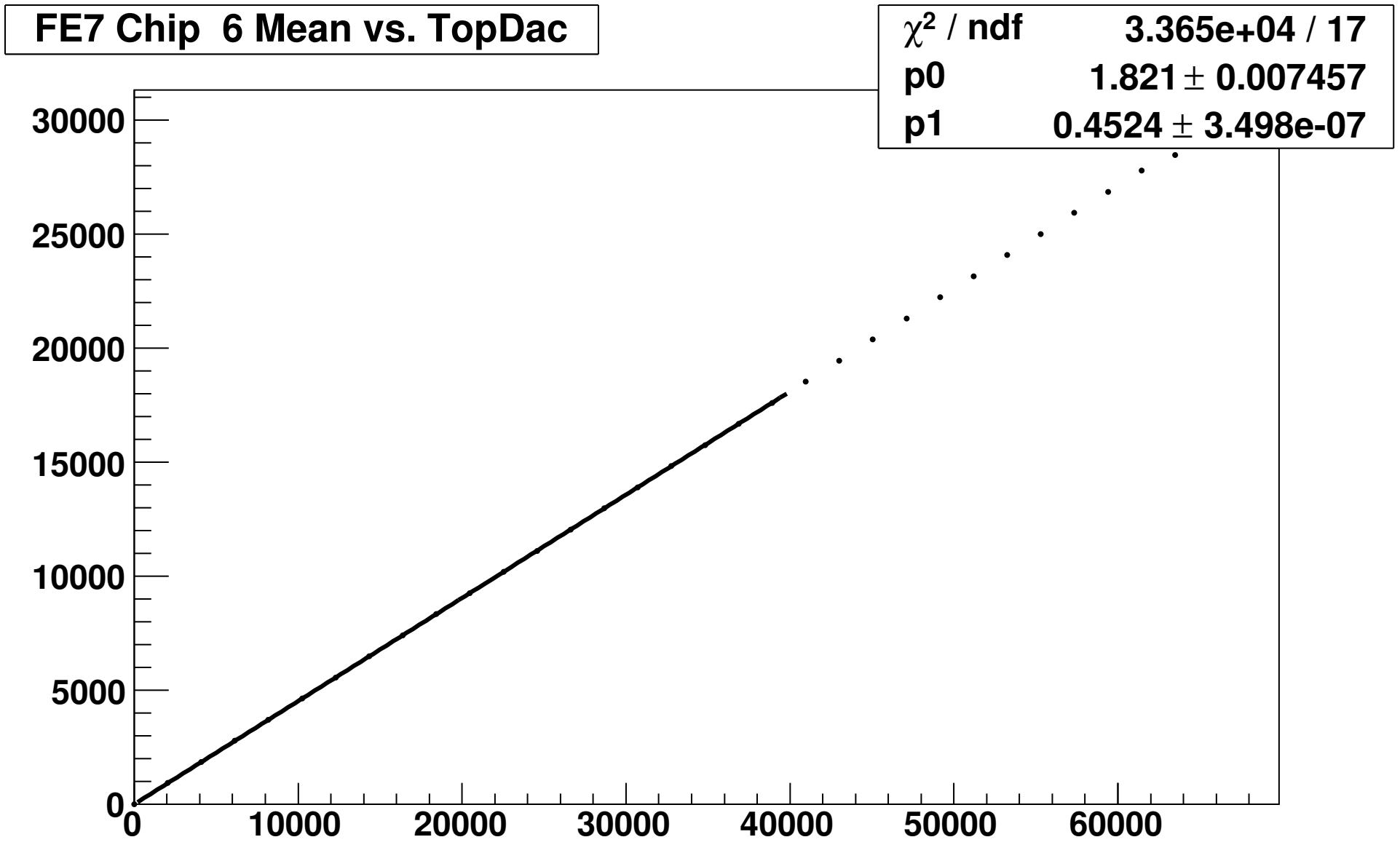
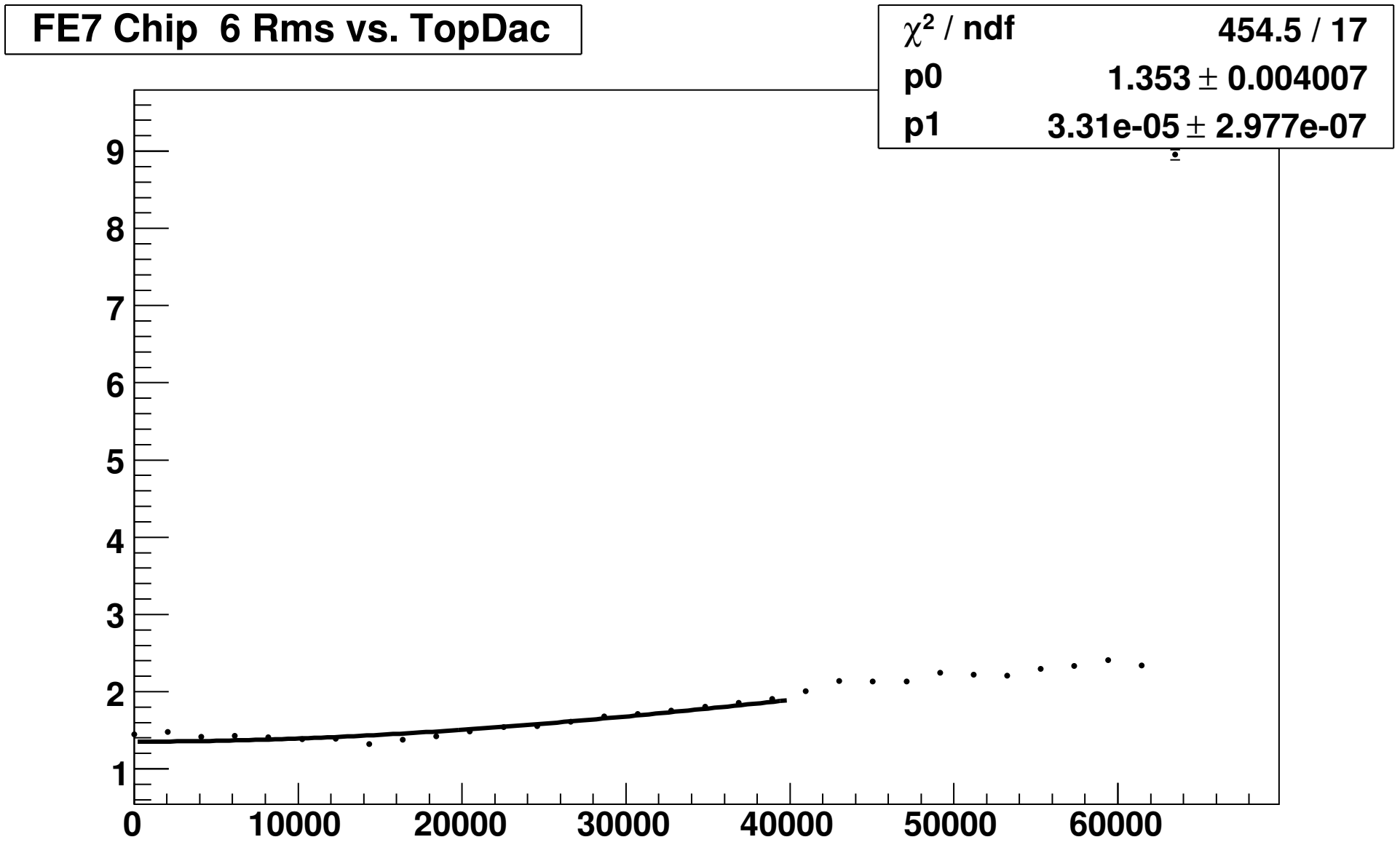
50000
60000

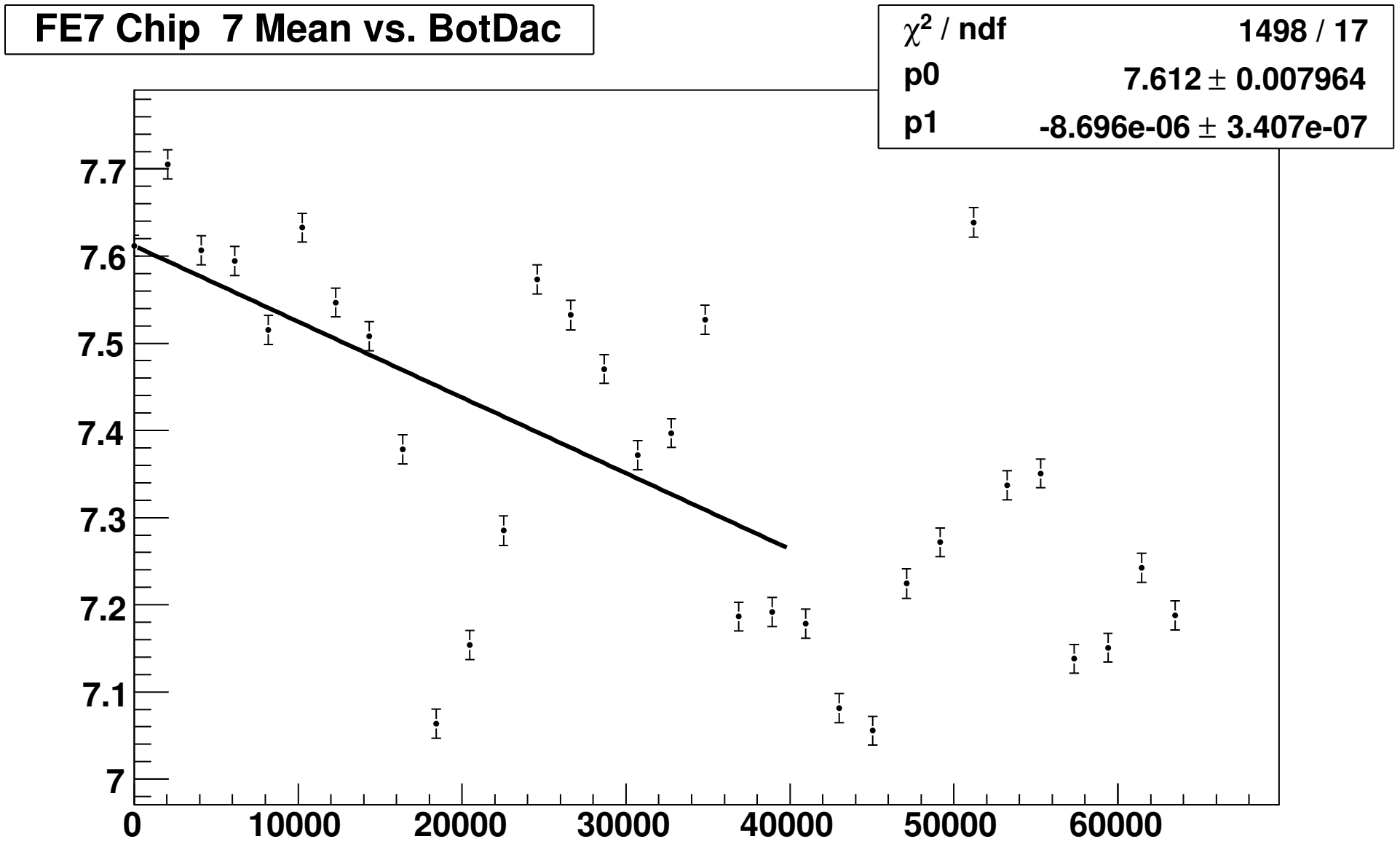

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 29.83 / 17
p0 1.473 ± 0.002539
p1 6.957e-13 ± 5.492e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

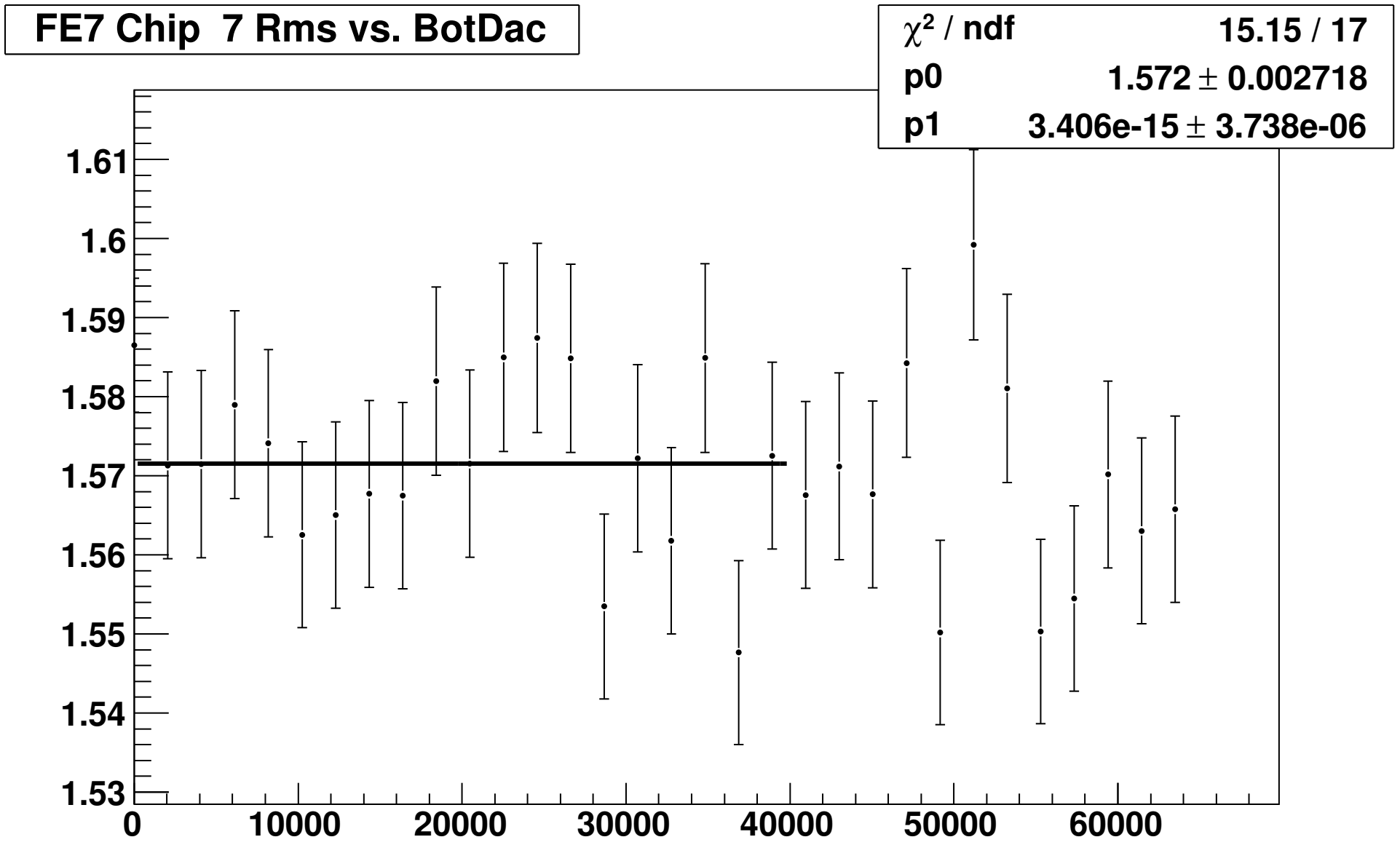

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 1885 / 17
p0 2.213 ± 0.007274
p1 -8.36e-06 ± 3.118e-07
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
0
10000
20000
30000
40000
50000
60000

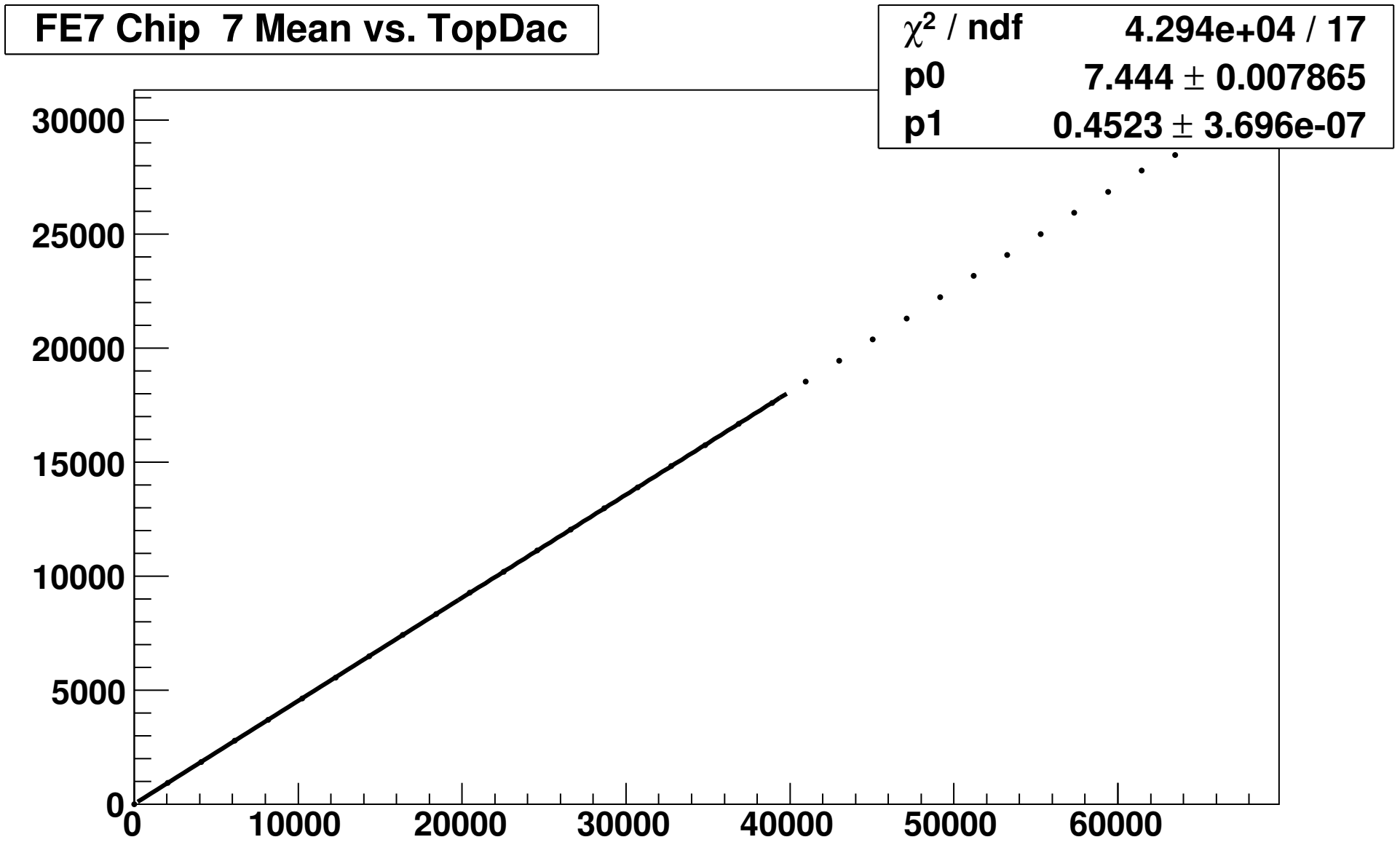

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 25.75 / 17
p0 1.437 ± 0.00379
p1 3.277e-06 ± 2.305e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

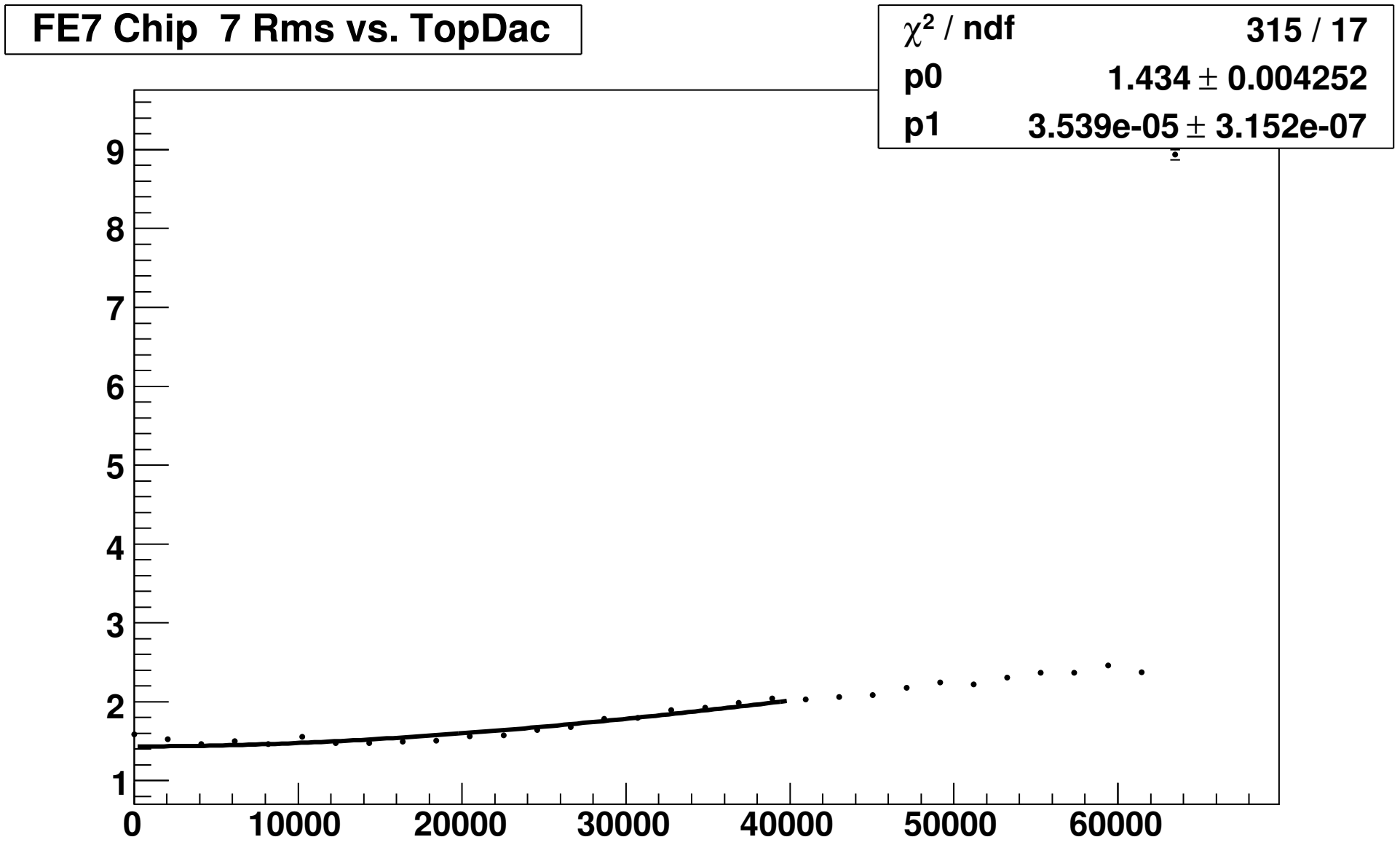

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 3.365e+04 / 17
p0 1.821 ± 0.007457
p1 0.4524 ± 3.498e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

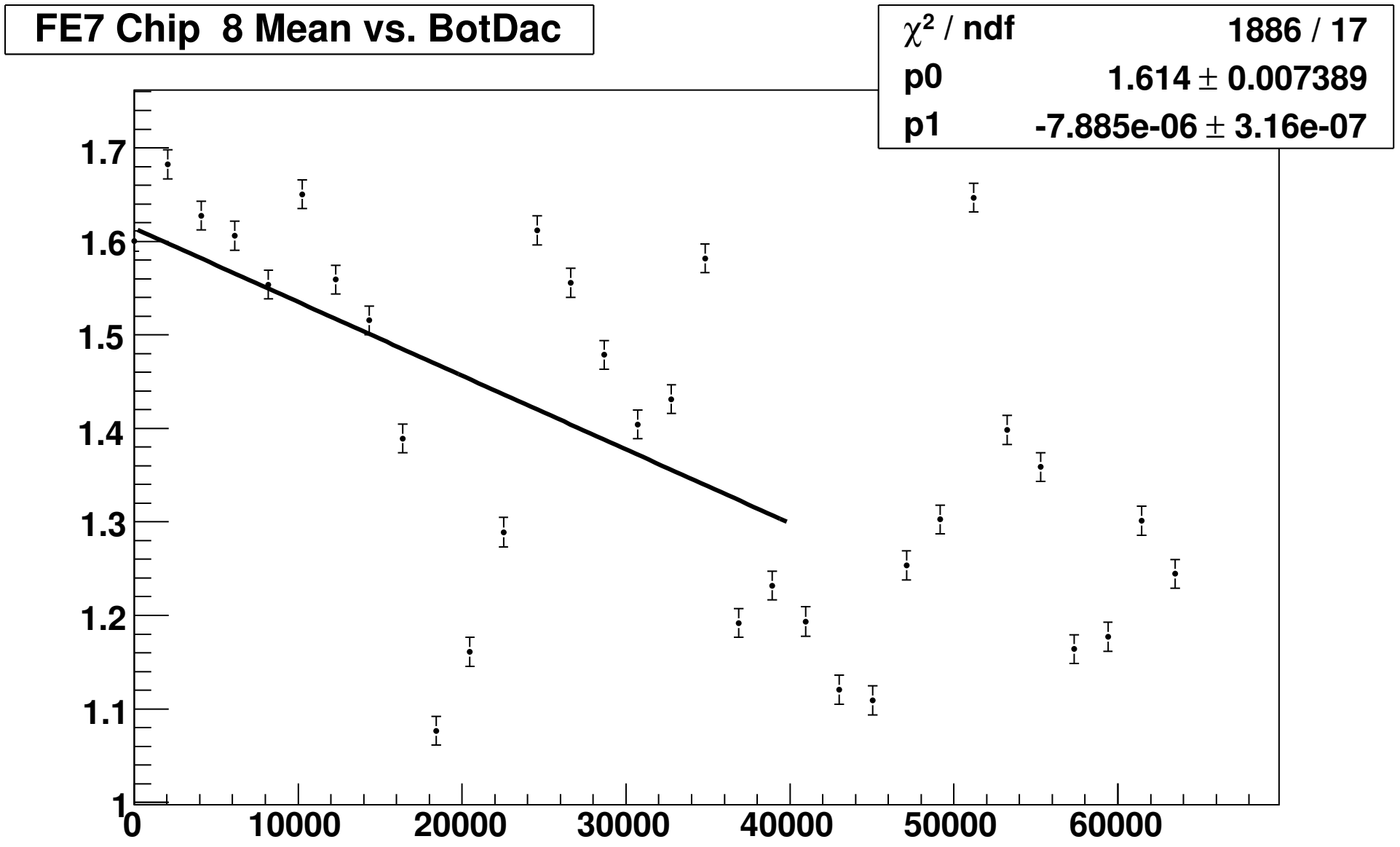

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 454.5 / 17
p0 1.353 ± 0.004007
p1 3.31e-05 ± 2.977e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

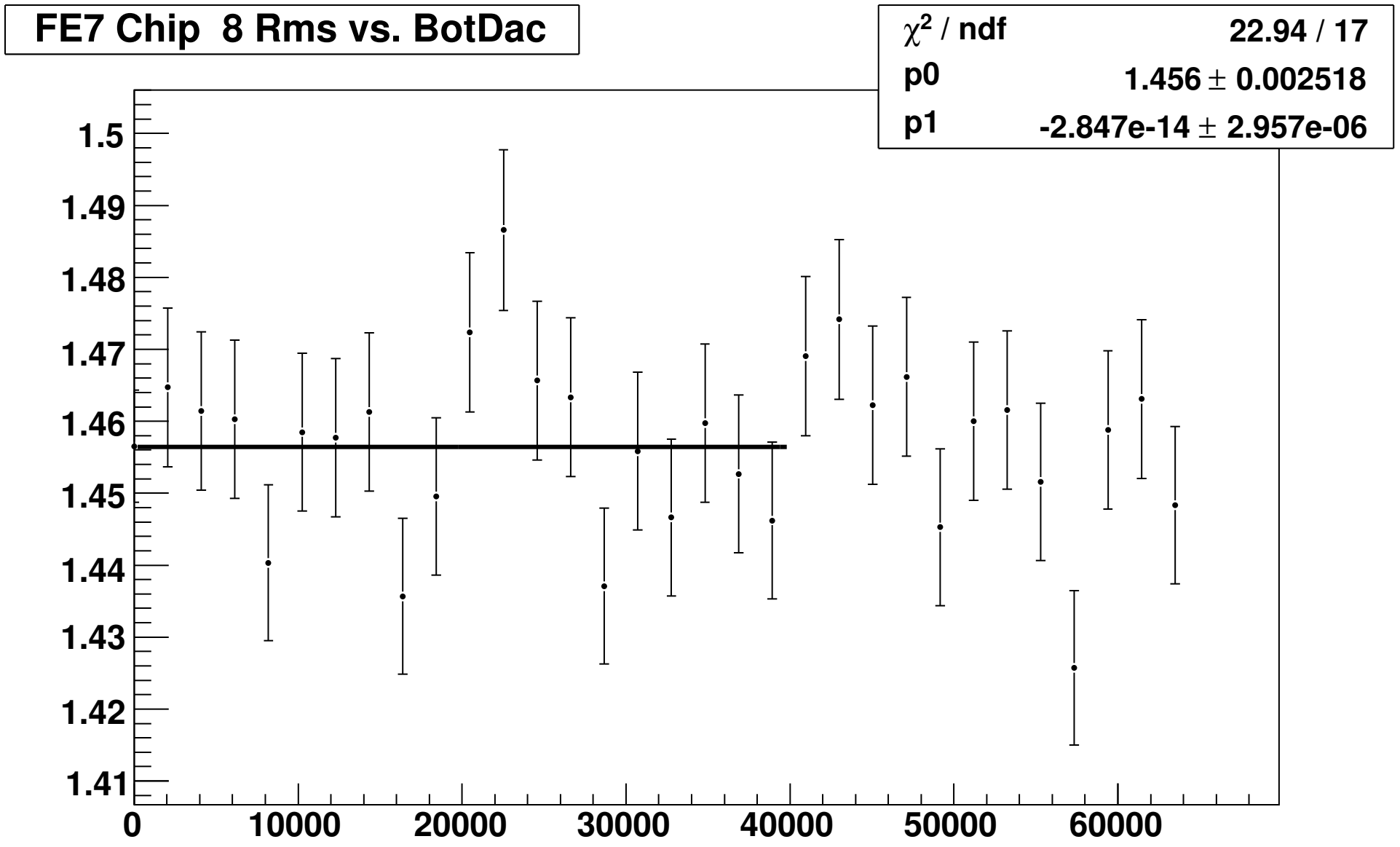

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 1498 / 17
p0 7.612 ± 0.007964
p1 -8.696e-06 ± 3.407e-07
7.7
7.6
7.5
7.4
7.3
7.2
7.1
7
0
10000
20000
30000
40000
50000
60000

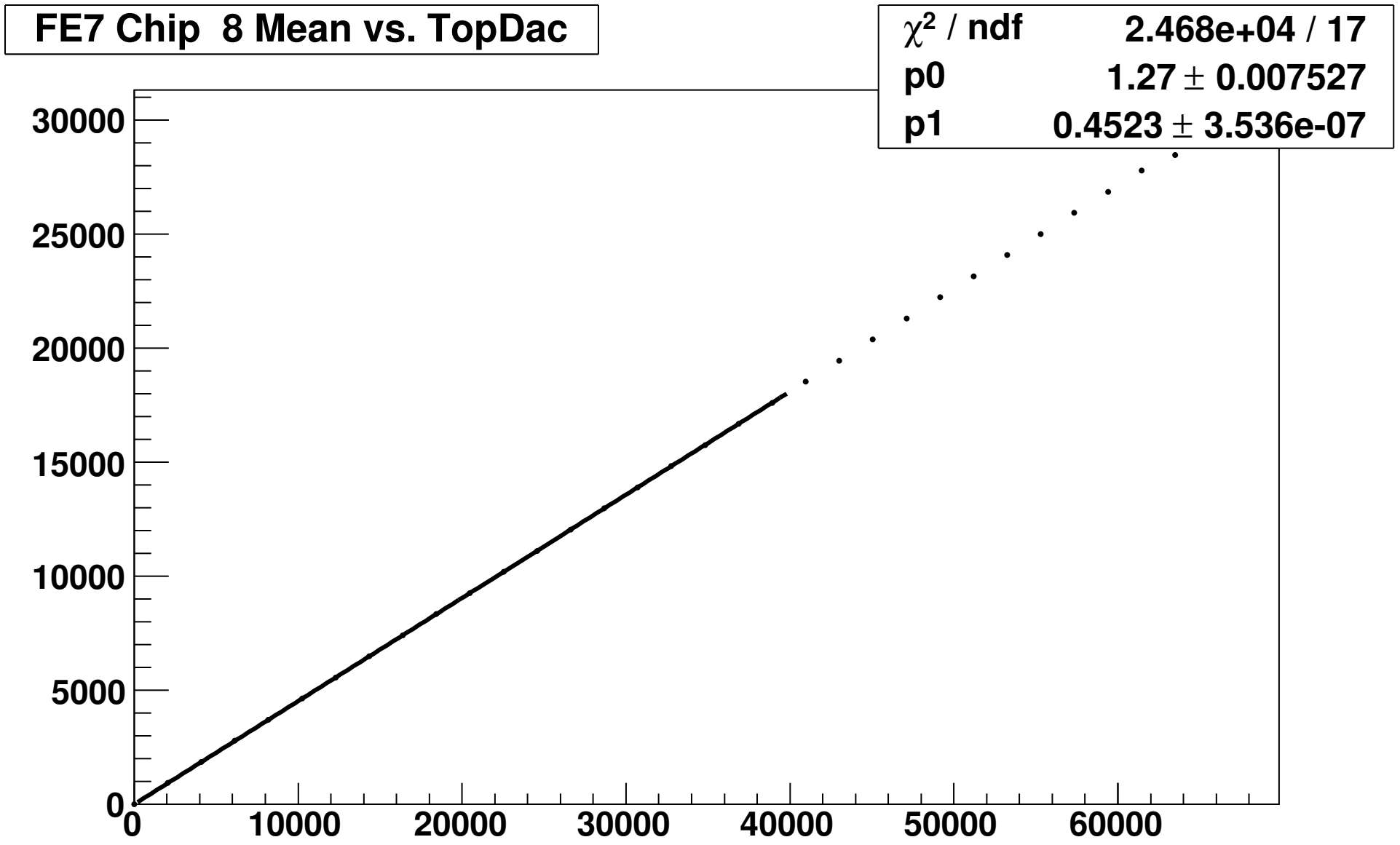

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 15.15 / 17
p0 1.572 ± 0.002718
p1 3.406e-15 ± 3.738e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000

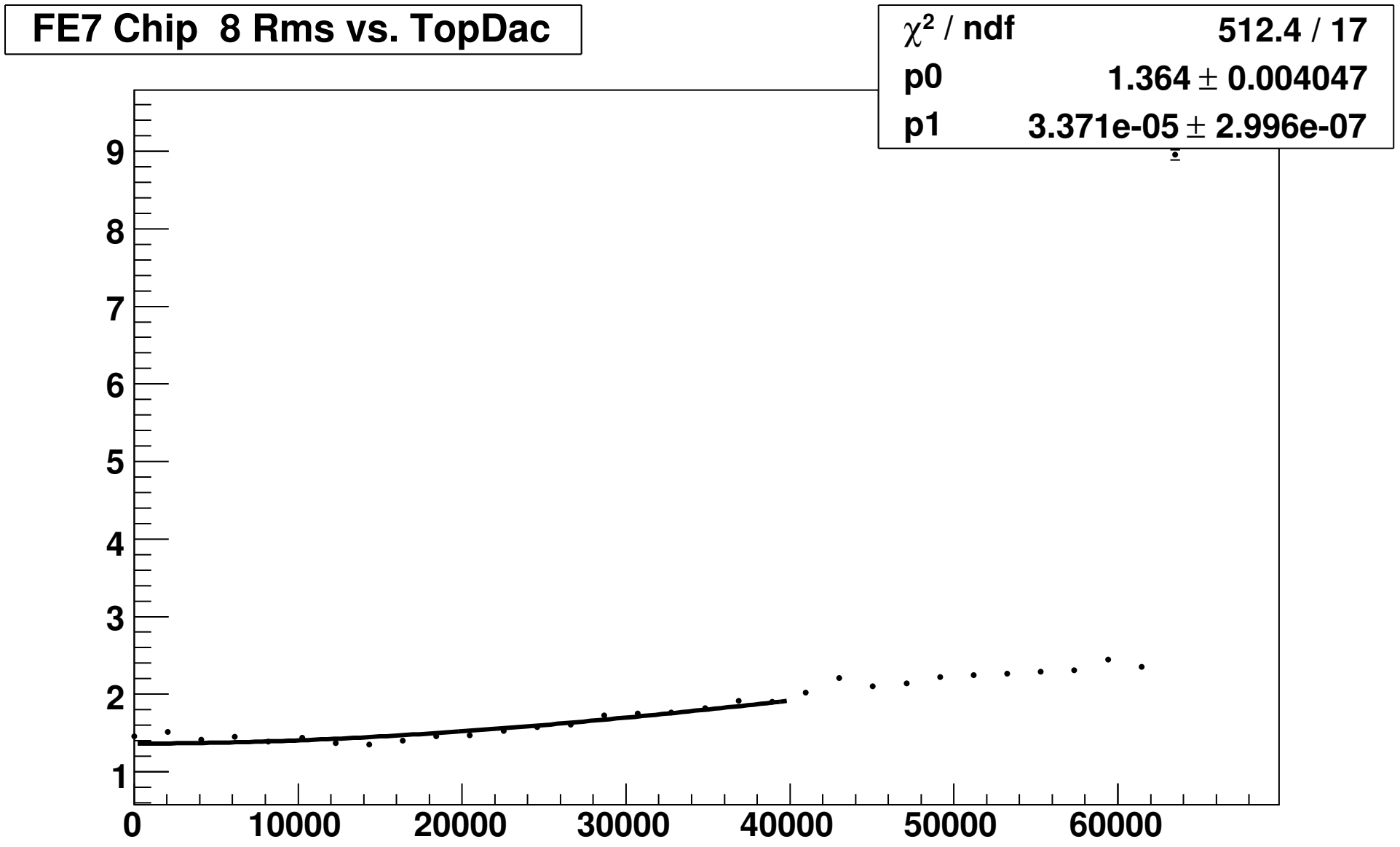

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 4.294e+04 / 17
p0 7.444 ± 0.007865
p1 0.4523 ± 3.696e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

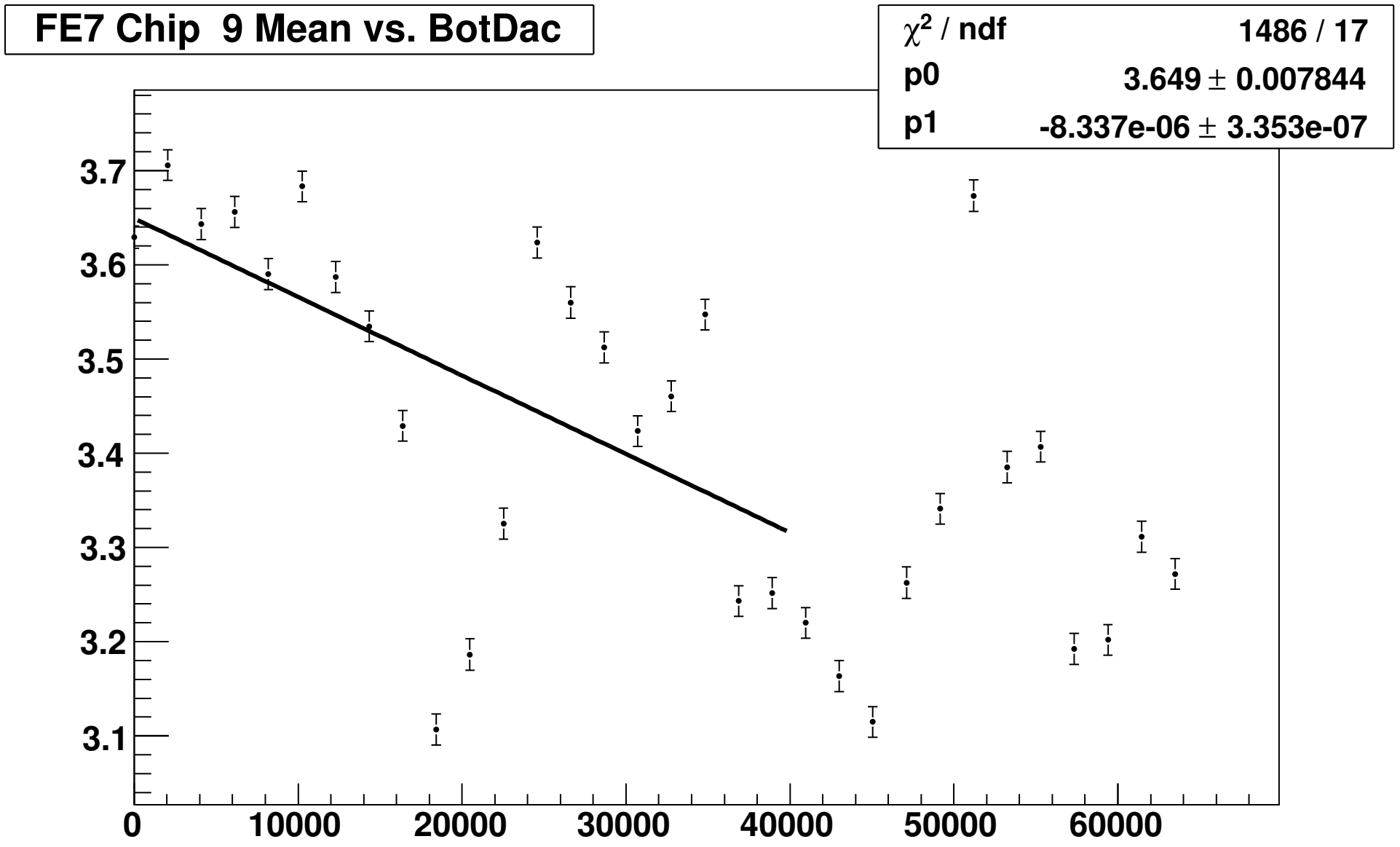

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 315 / 17
p0 1.434 ± 0.004252
p1 3.539e-05 ± 3.152e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

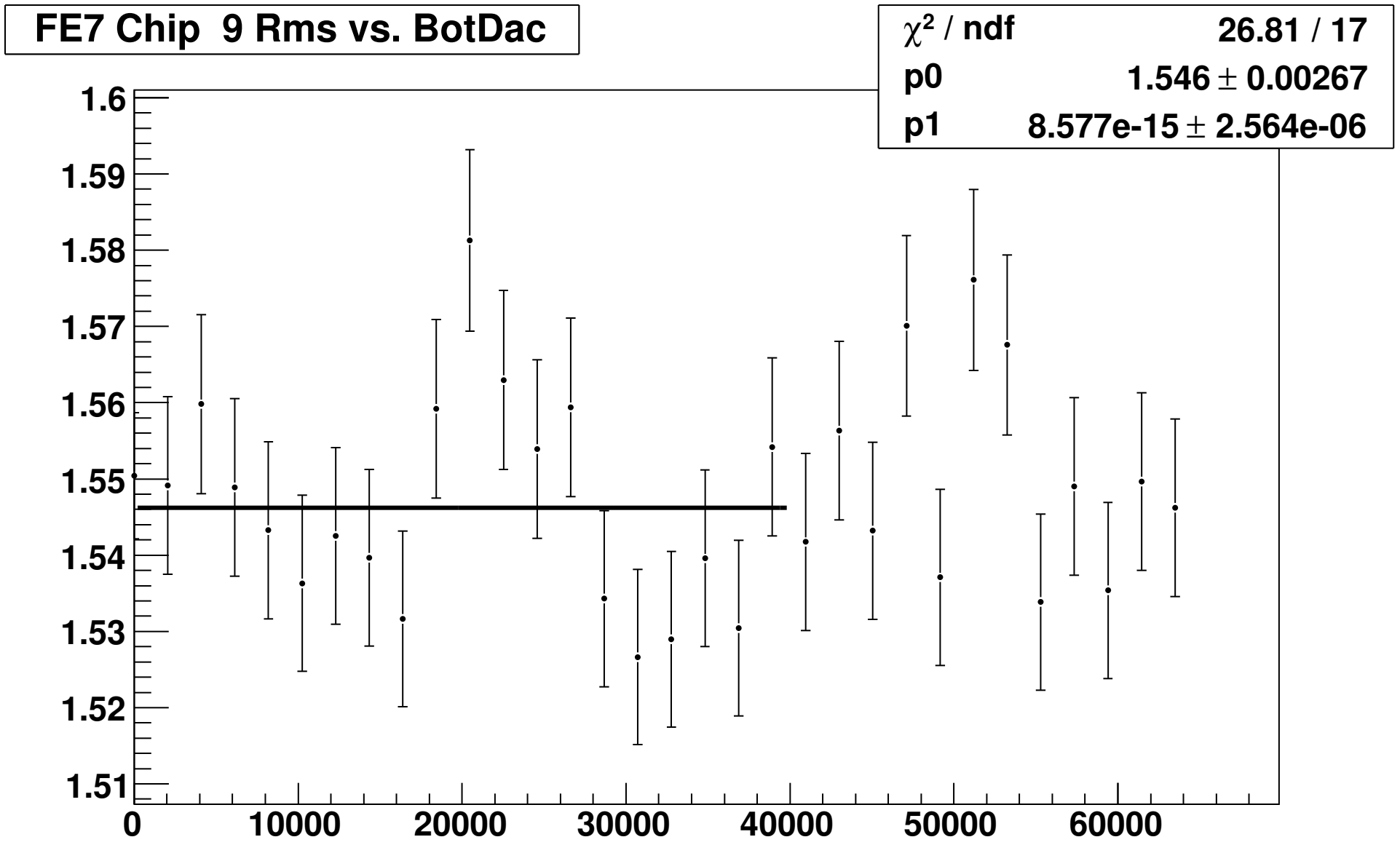

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 1886 / 17
p0 1.614 ± 0.007389
p1 -7.885e-06 ± 3.16e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000

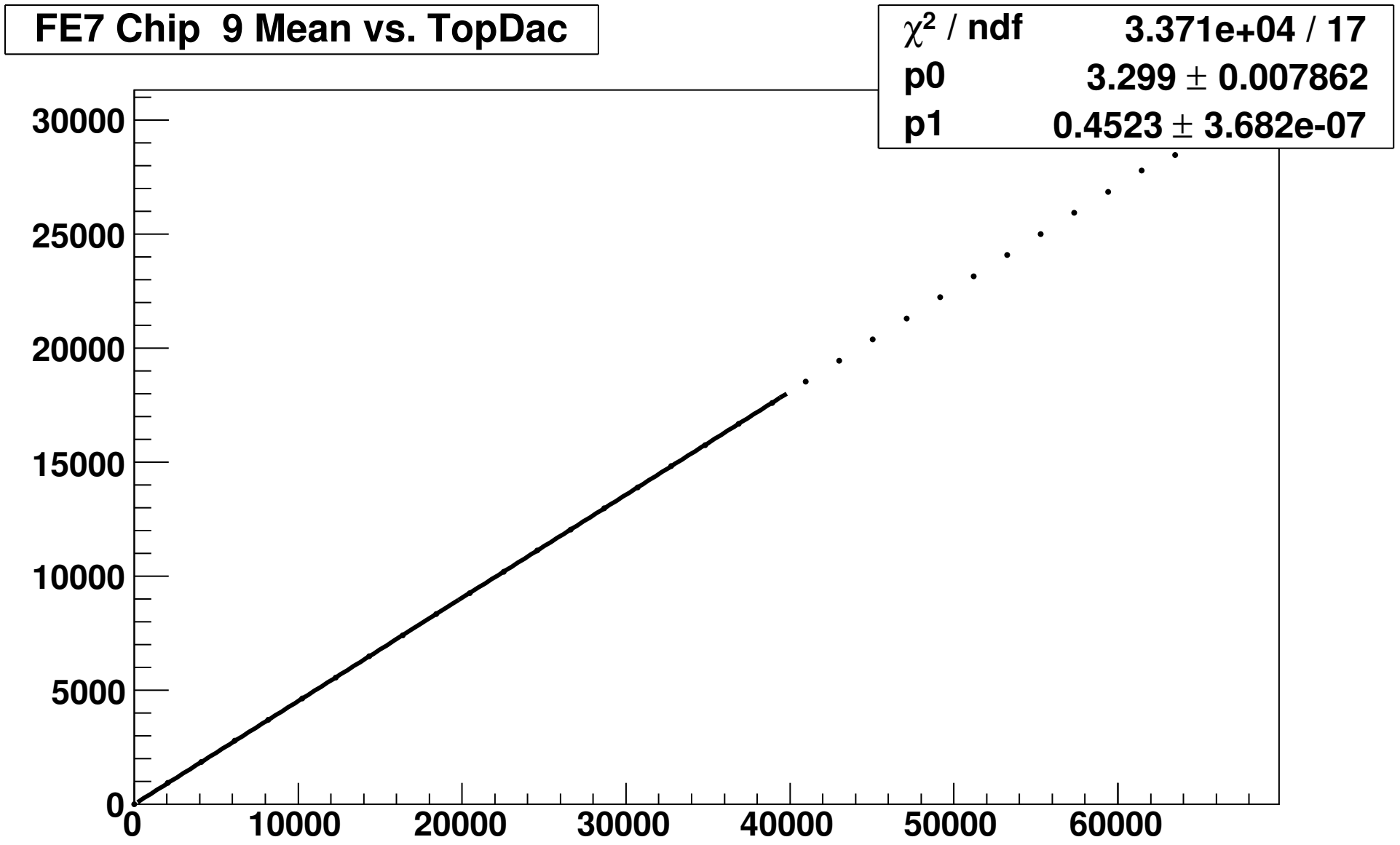

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 22.94 / 17
p0 1.456 ± 0.002518
p1 -2.847e-14 ± 2.957e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

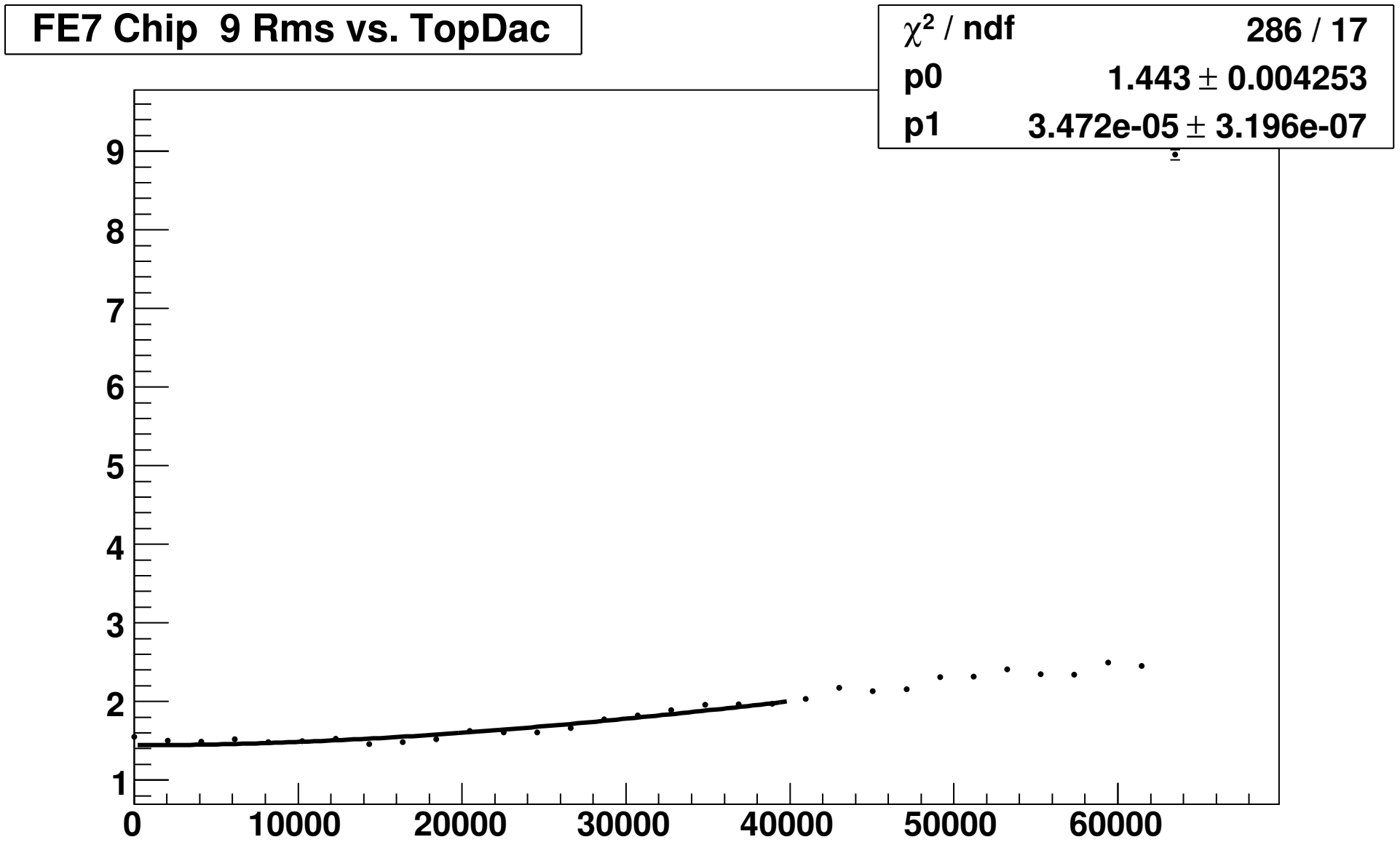

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 2.468e+04 / 17
p0 1.27 ± 0.007527
p1 0.4523 ± 3.536e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

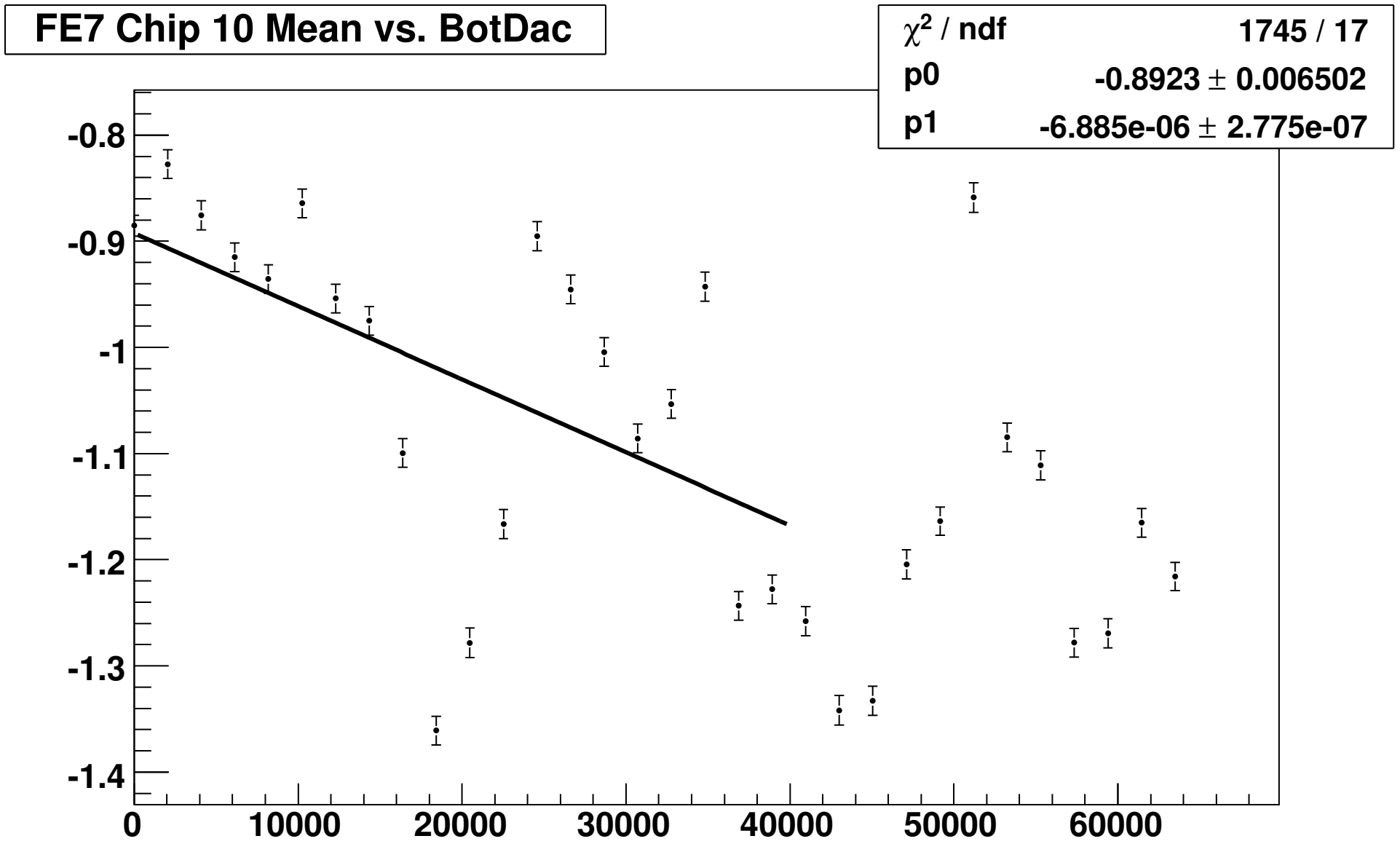

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 512.4 / 17
p0 1.364 ± 0.004047
p1 3.371e-05 ± 2.996e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

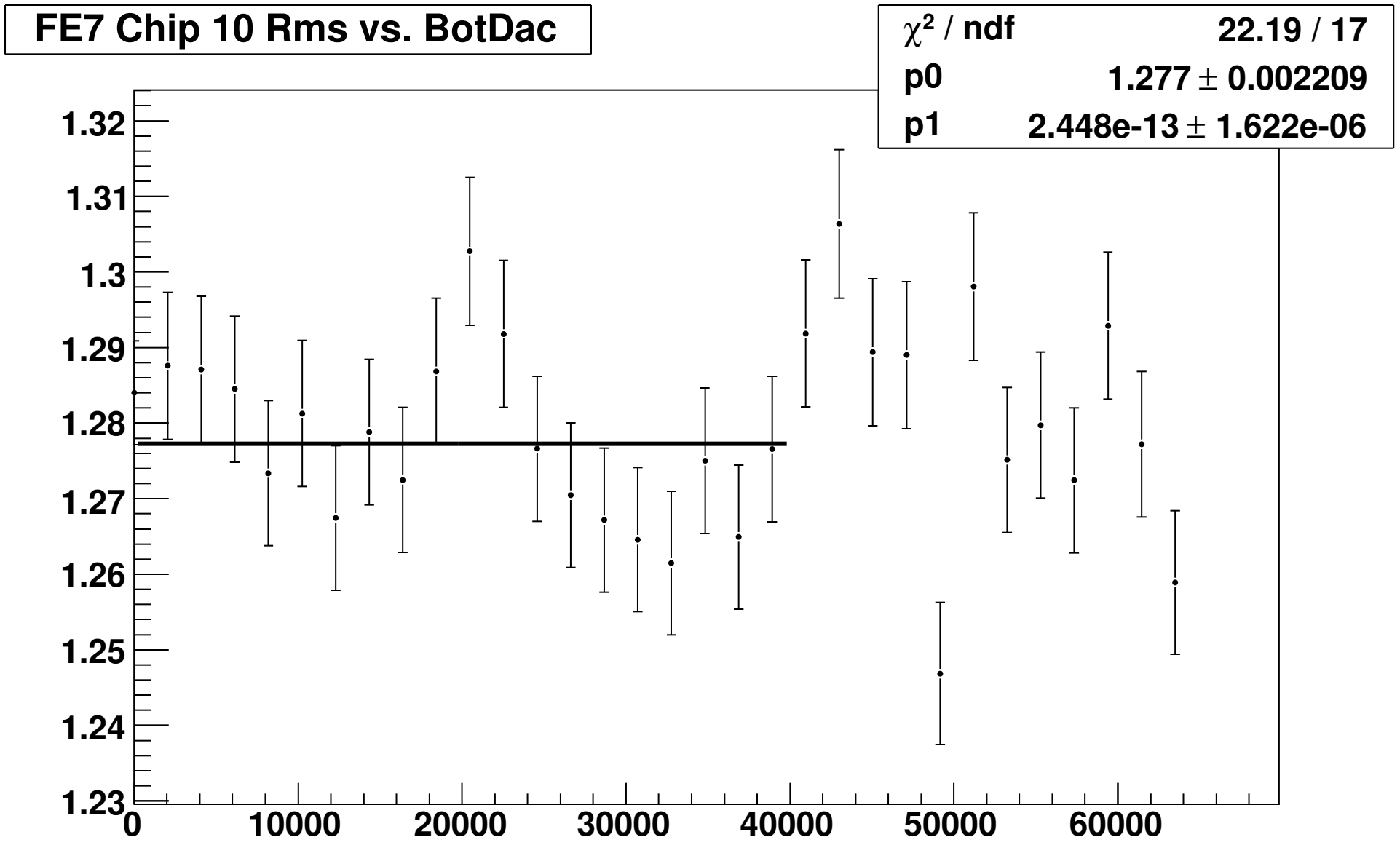

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 1486 / 17
p0 3.649 ± 0.007844
p1 -8.337e-06 ± 3.353e-07
3.7
3.6
3.5
3.4
3.3
3.2
3.1
0
10000
20000
30000
40000
50000
60000

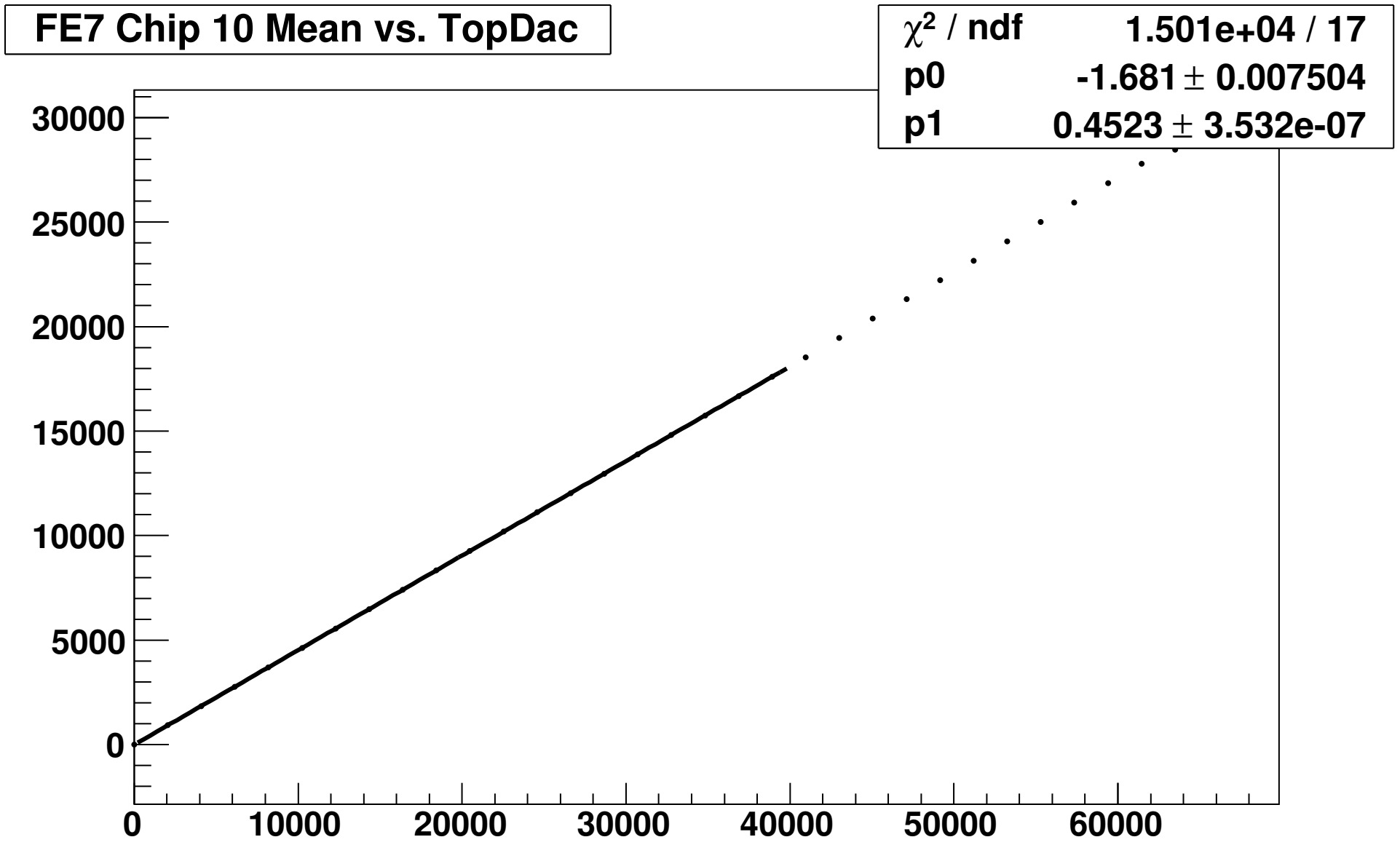

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 26.81 / 17
p0 1.546 ± 0.00267
p1 8.577e-15 ± 2.564e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000

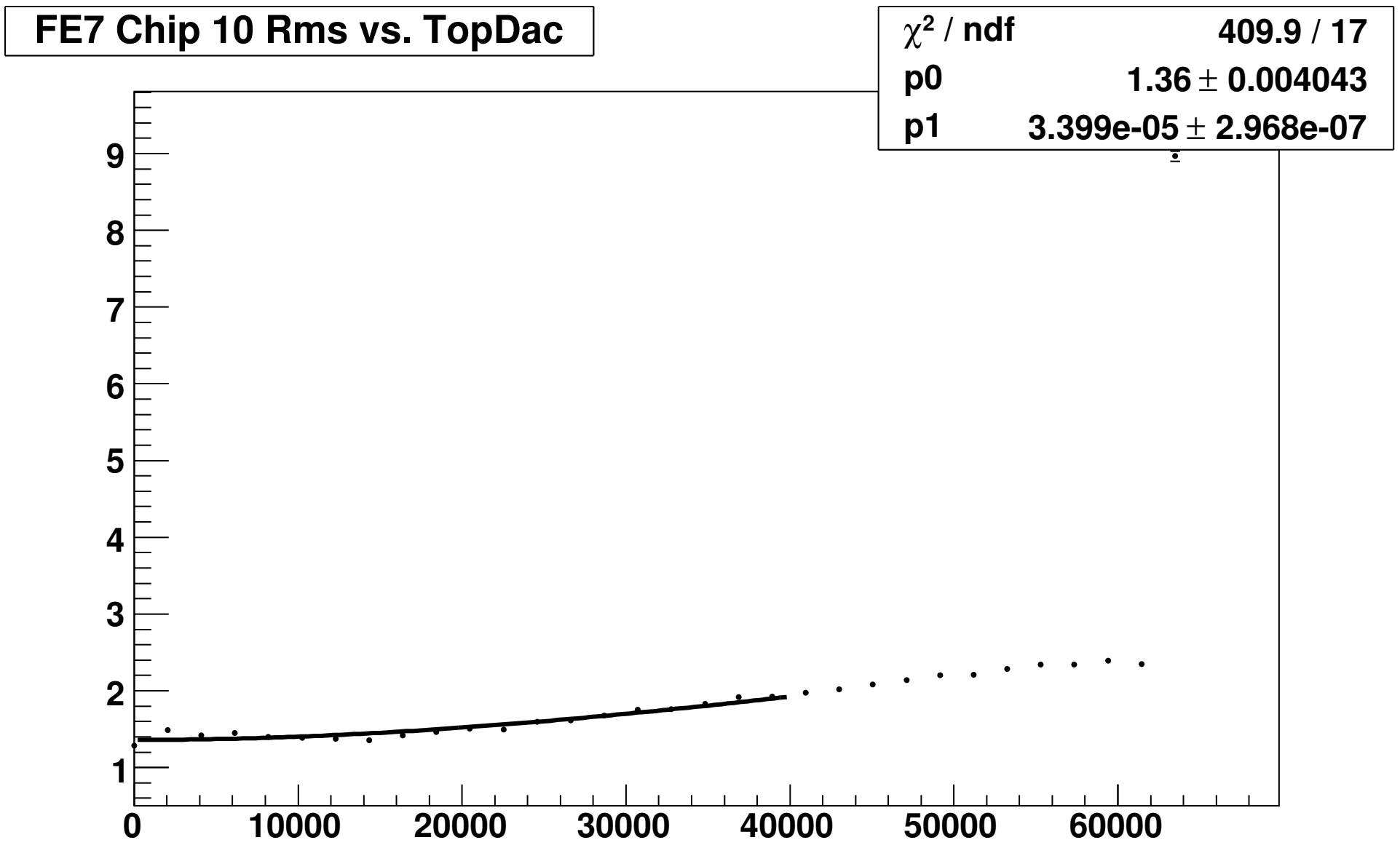

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 3.371e+04 / 17
p0 3.299 ± 0.007862
p1 0.4523 ± 3.682e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

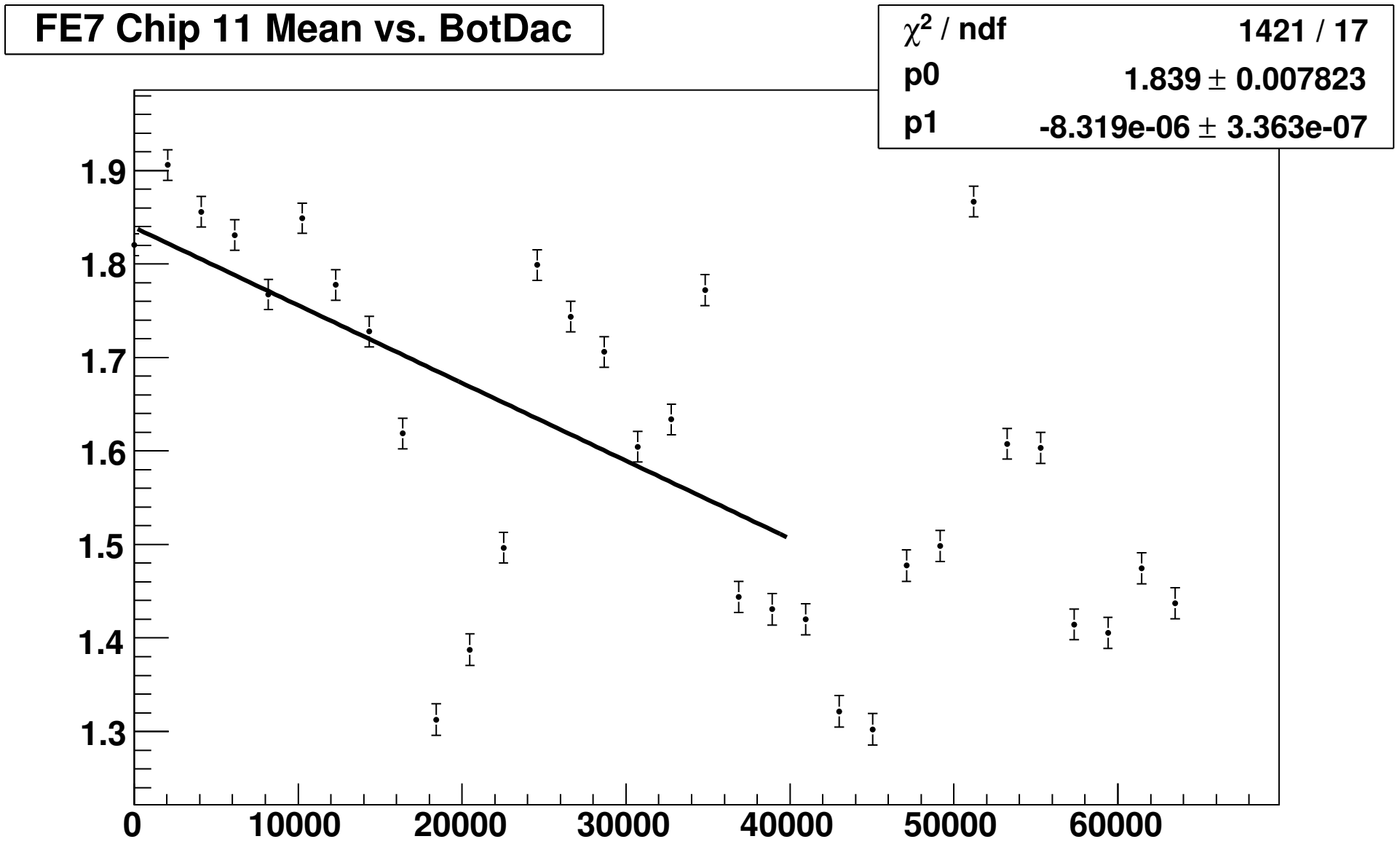

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 286 / 17
p0 1.443 ± 0.004253
p1 3.472e-05 ± 3.196e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

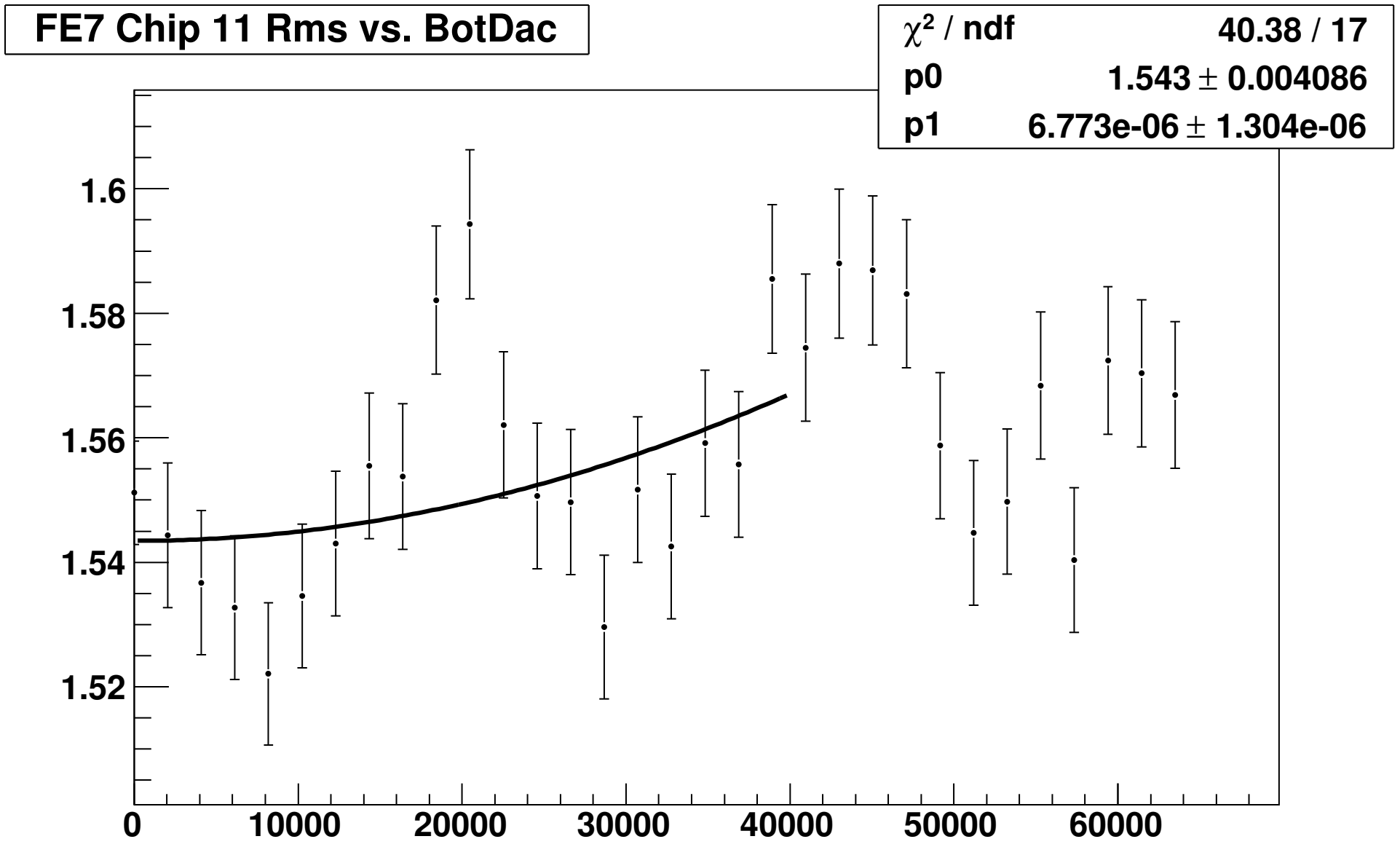

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 1745 / 17
p0 -0.8923 ± 0.006502
p1 -6.885e-06 ± 2.775e-07
-0.8
-0.9
-1
-1.1
-1.2
-1.3
-1.4
0
10000
20000
30000
40000
50000
60000

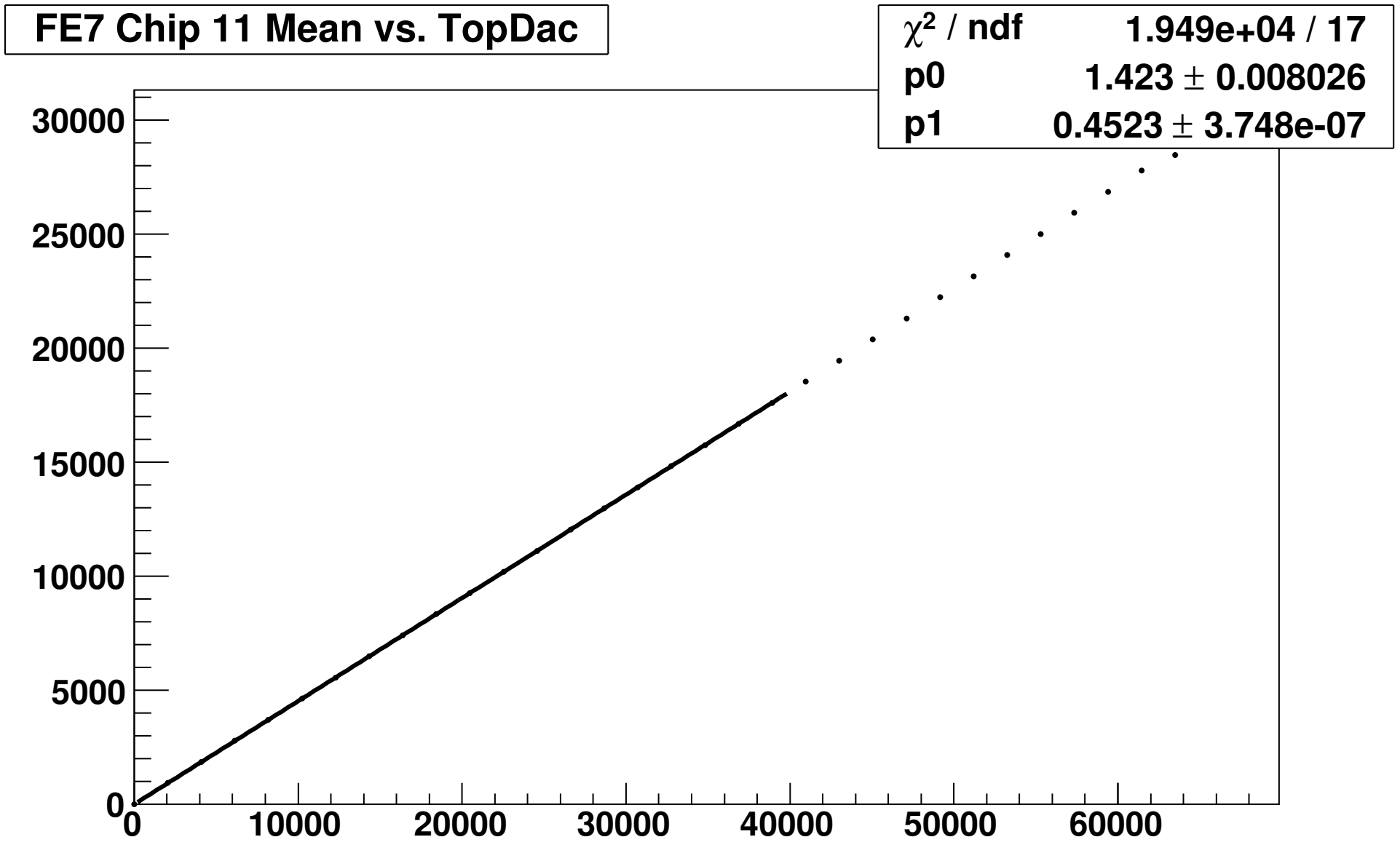

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 22.19 / 17
p0 1.277 ± 0.002209
p1 2.448e-13 ± 1.622e-06
1.32
1.31
1.3
1.29
1.28
1.27
1.26
1.25
1.24
1.23
0
10000
20000
30000
40000
50000
60000

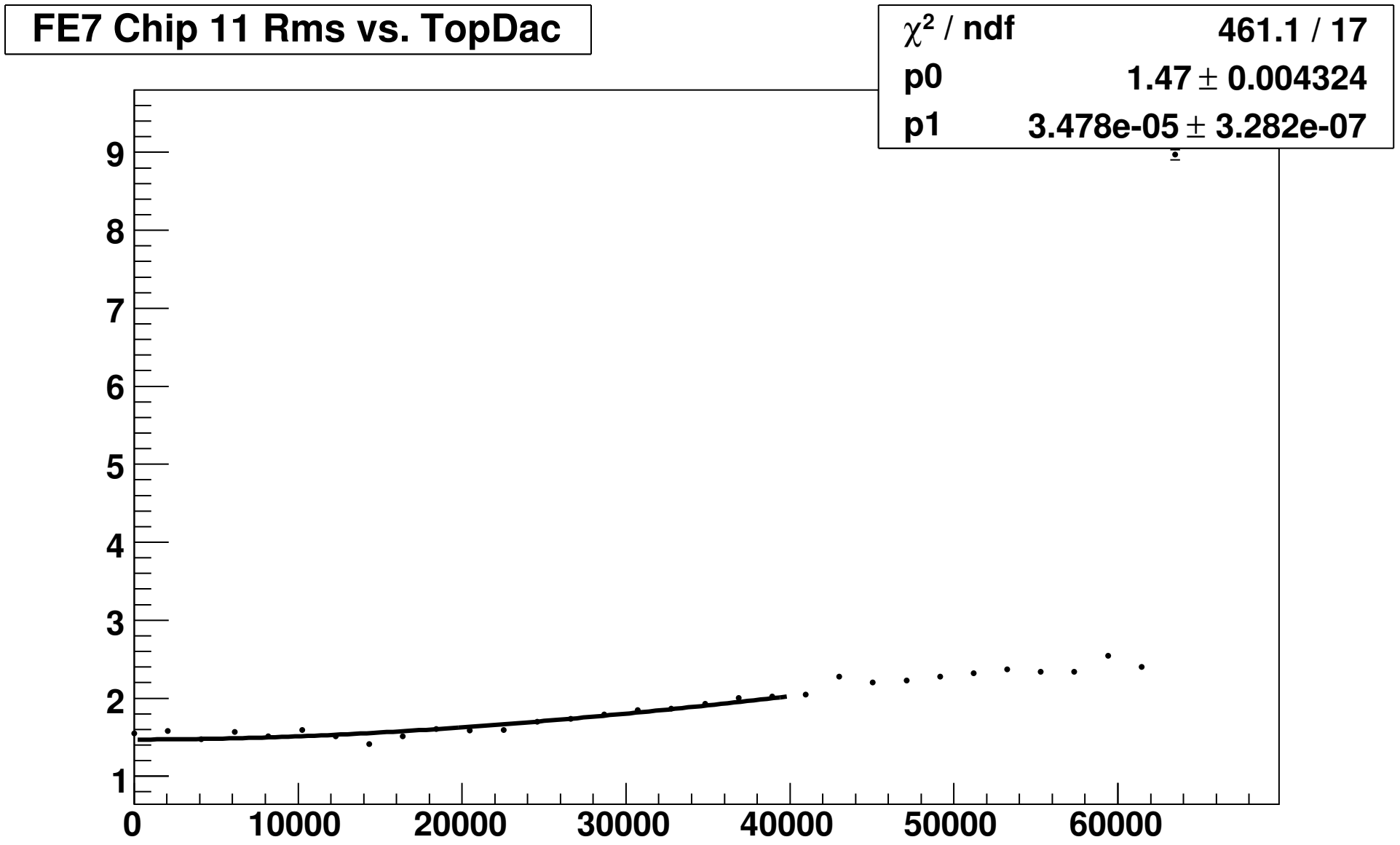

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.501e+04 / 17
p0 -1.681 ± 0.007504
p1 0.4523 ± 3.532e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

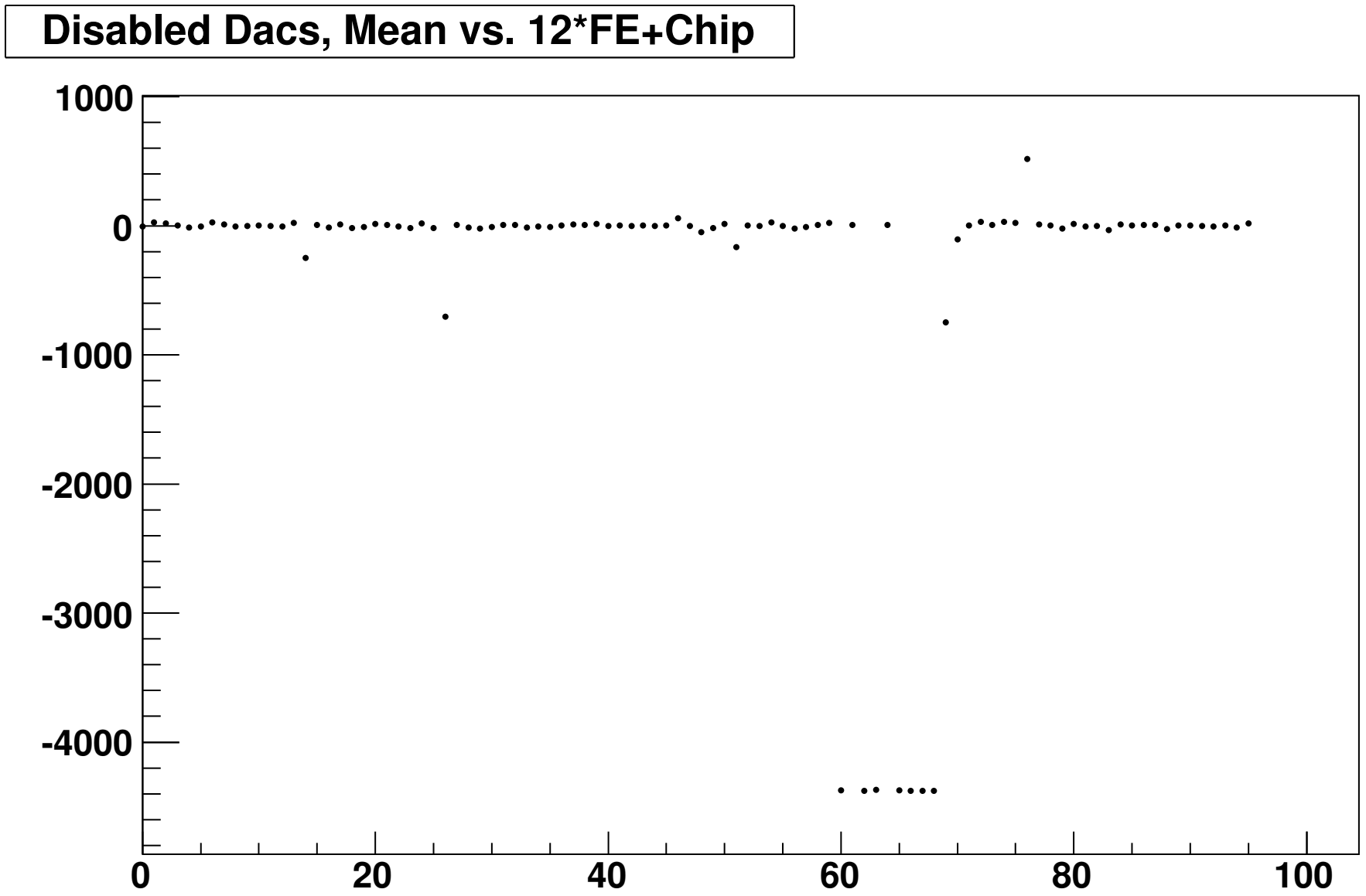

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 409.9 / 17
p0 1.36 ± 0.004043
p1 3.399e-05 ± 2.968e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

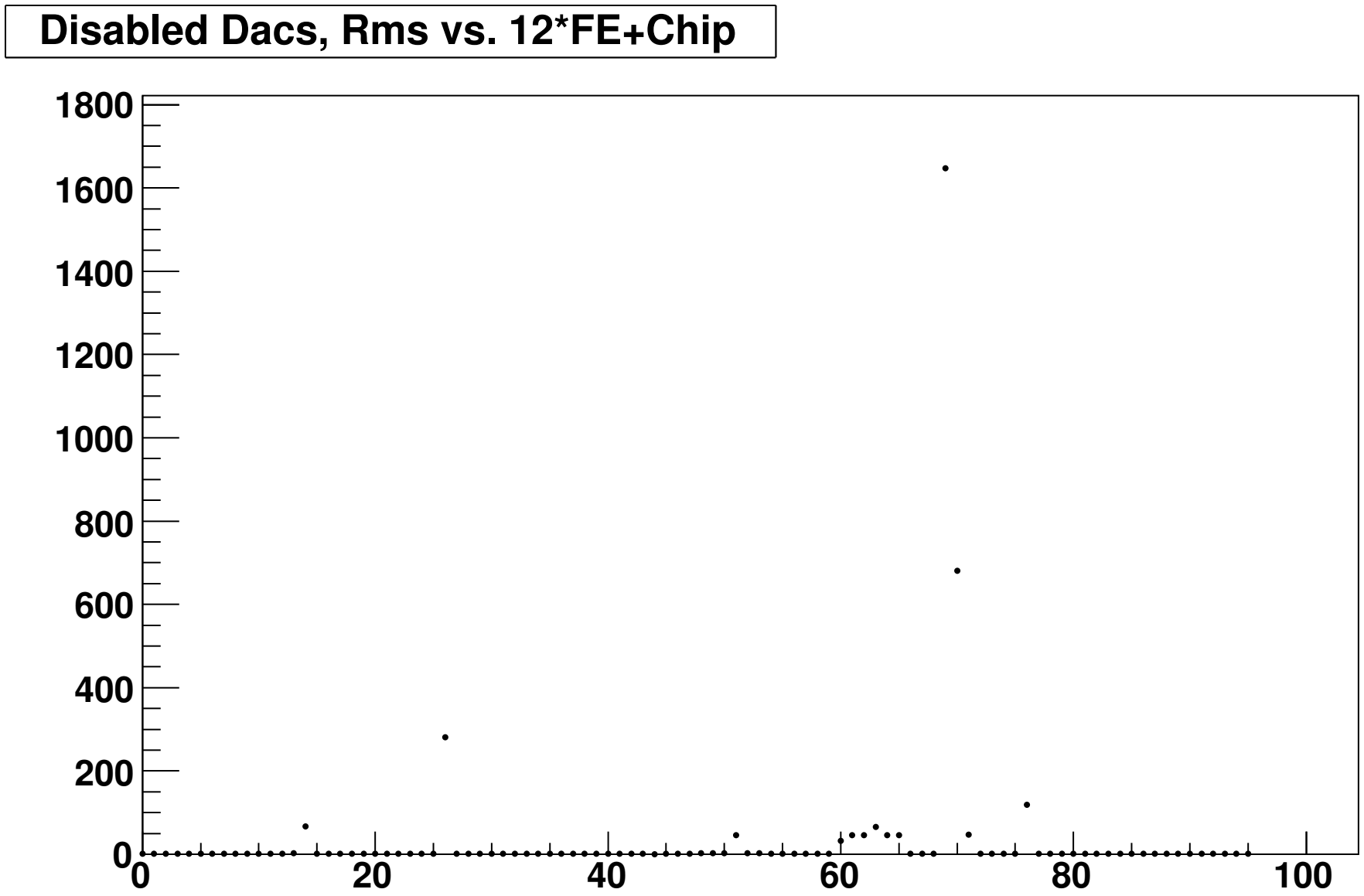

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 1421 / 17
p0 1.839 ± 0.007823
p1 -8.319e-06 ± 3.363e-07
1.9
1.8
1.7
1.6
1.5
1.4
1.3
0
10000
20000
30000
40000
50000
60000

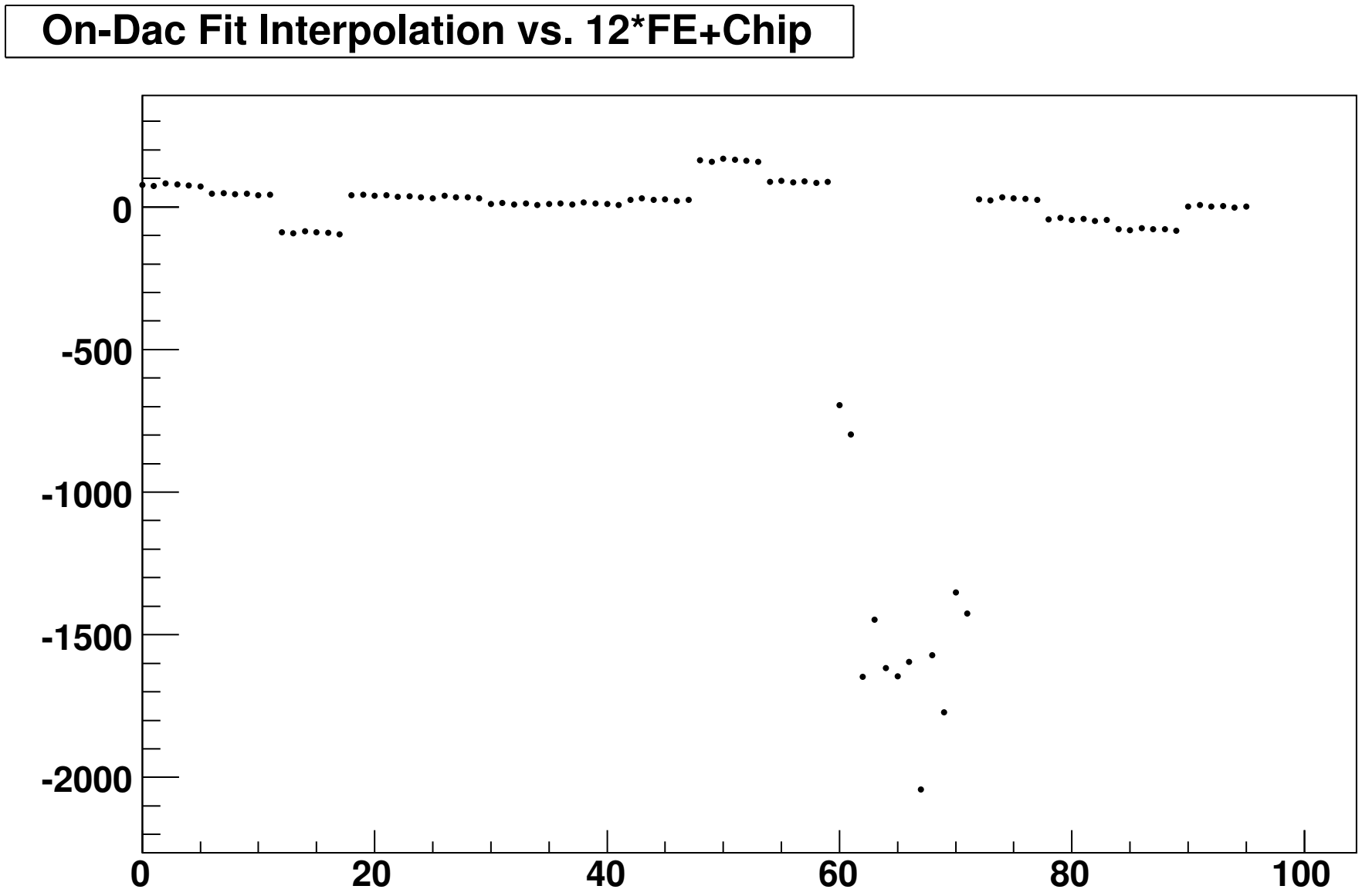

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 40.38 / 17
p0 1.543 ± 0.004086
p1 6.773e-06 ± 1.304e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000

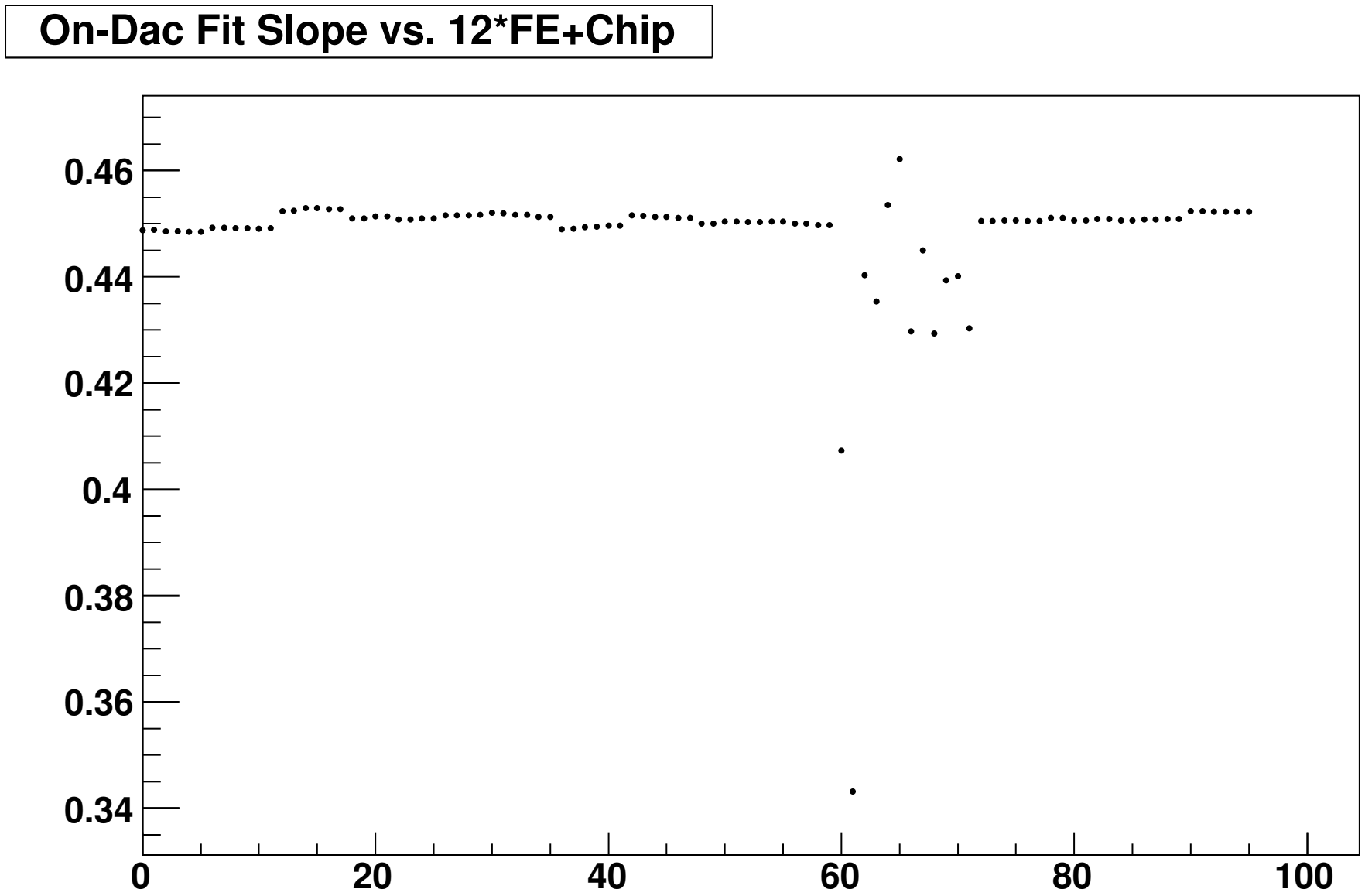

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.949e+04 / 17
p0 1.423 ± 0.008026
p1 0.4523 ± 3.748e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

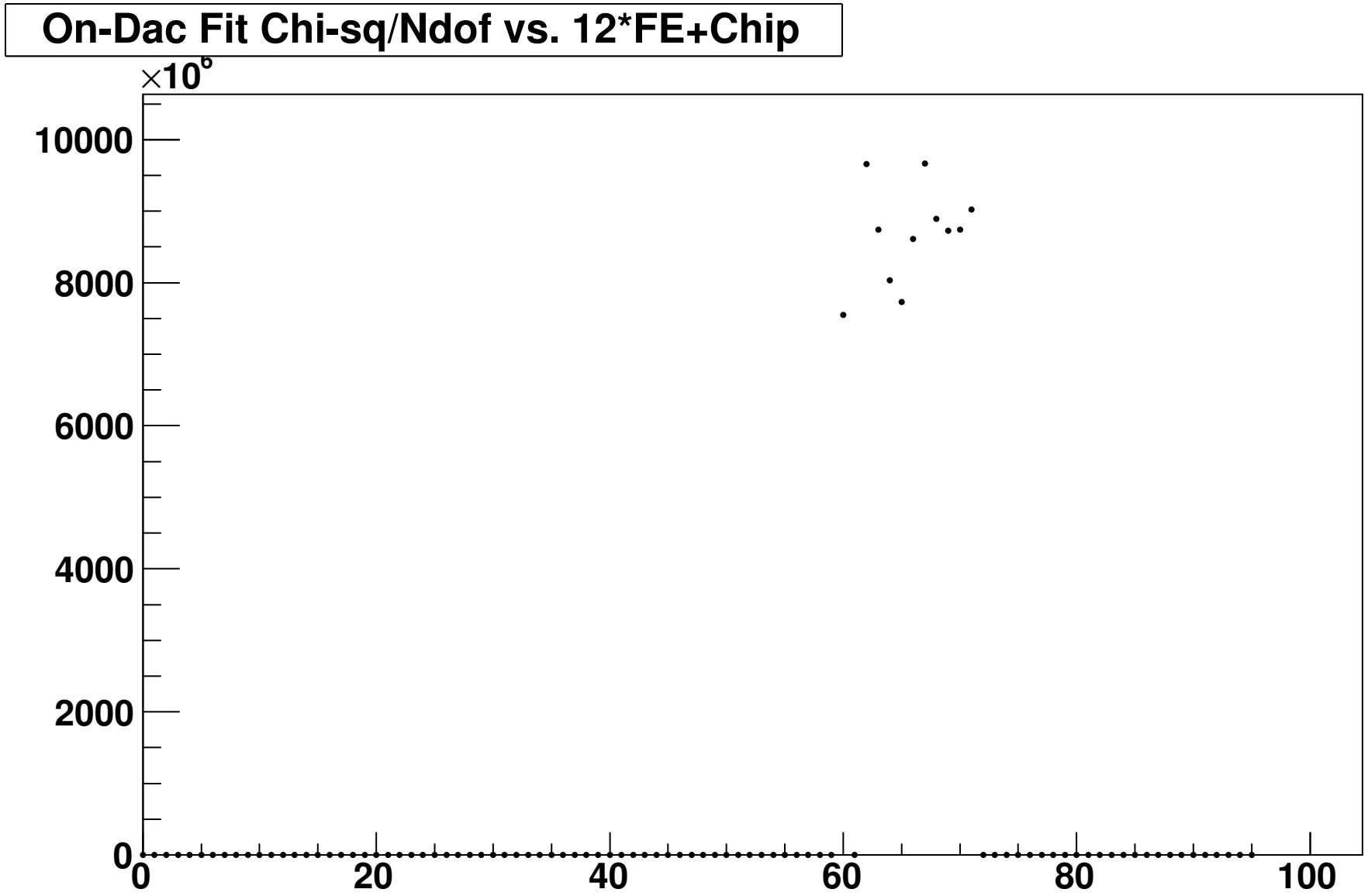

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 461.1 / 17
p0 1.47 ± 0.004324
p1 3.478e-05 ± 3.282e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

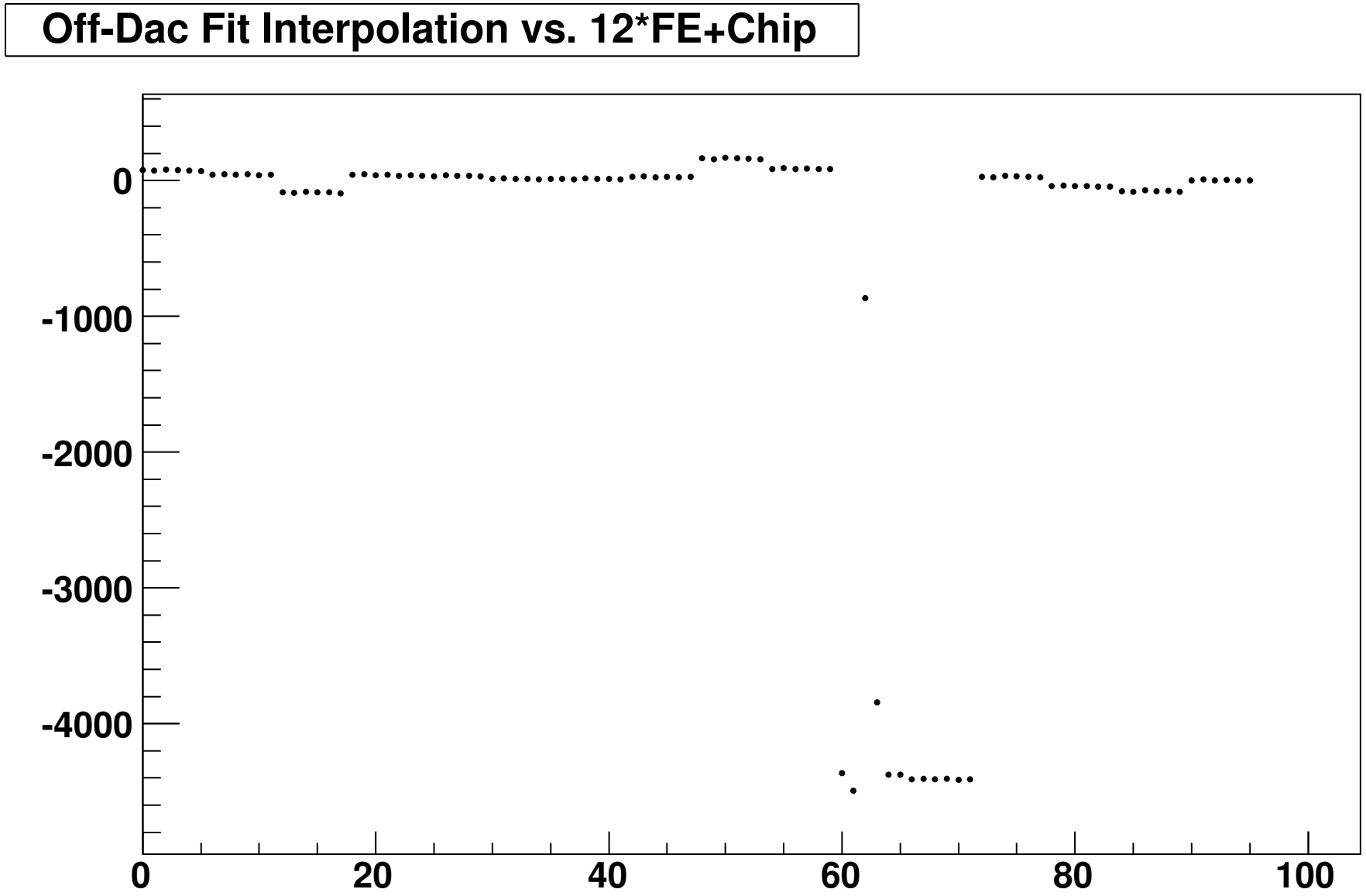

Disabled Dacs, Mean vs. 12*FE+Chip
1000
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

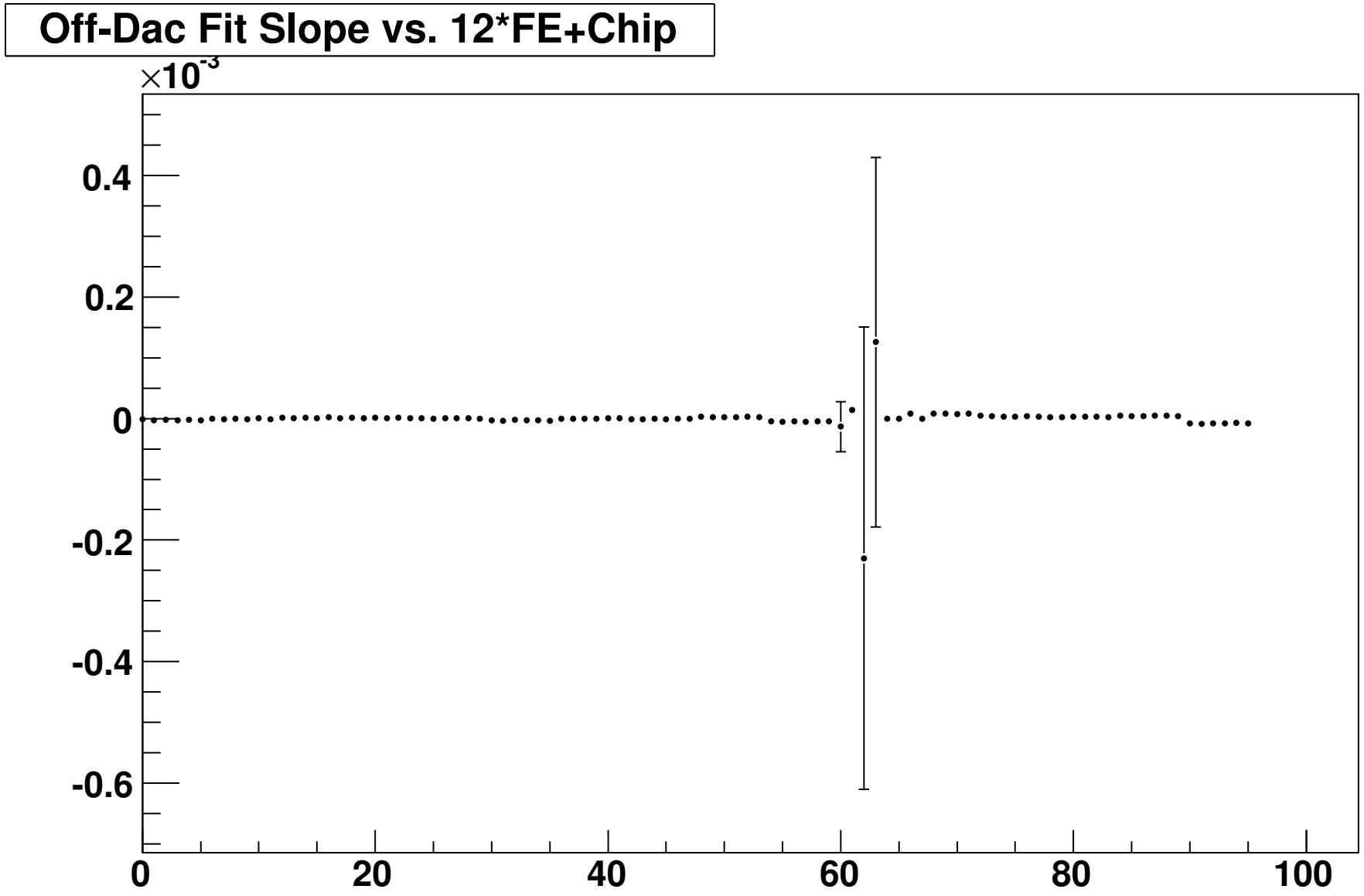

Disabled Dacs, Rms vs. 12*FE+Chip
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

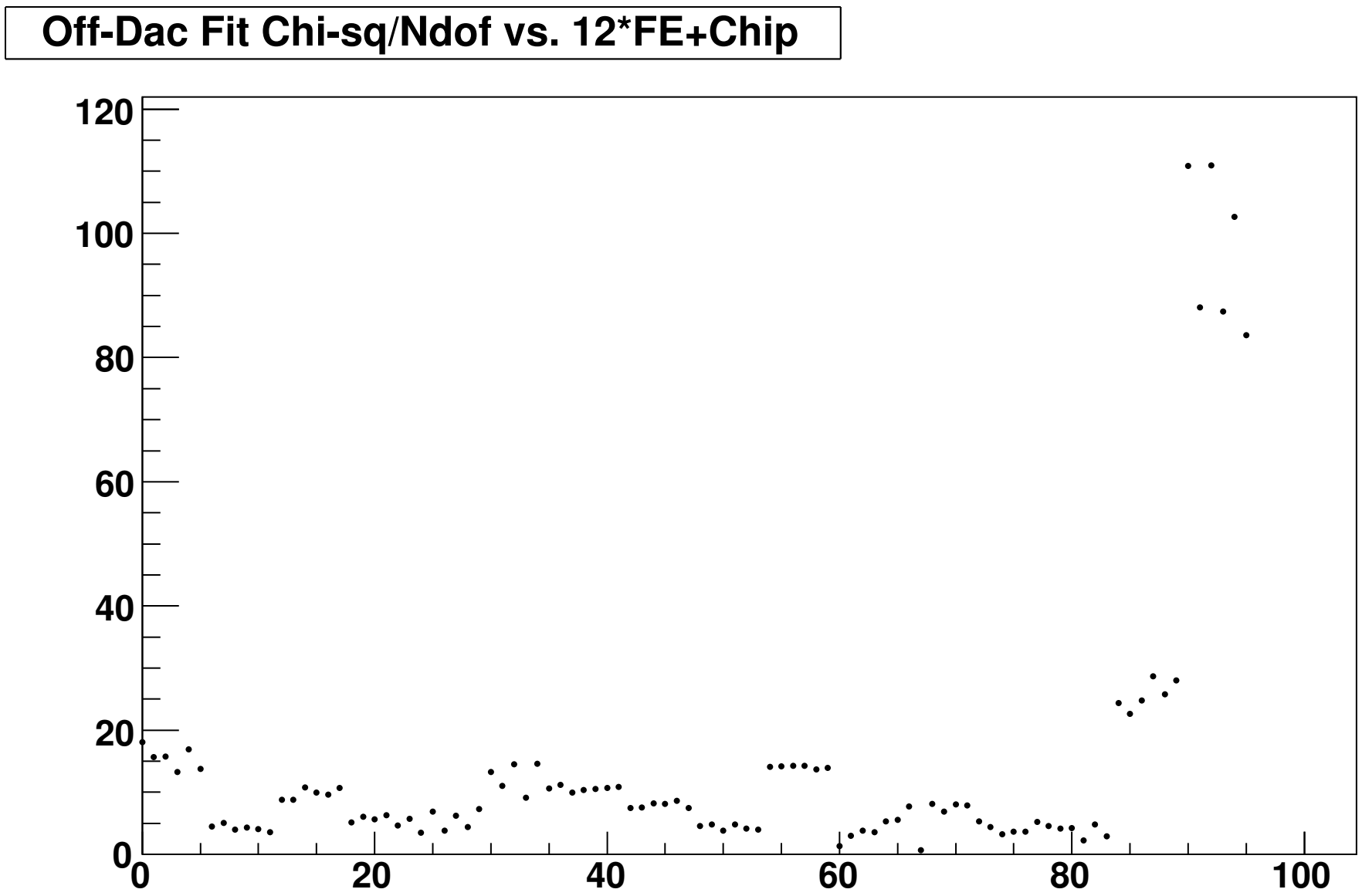

On-Dac Fit Interpolation vs. 12*FE+Chip
0
-500
-1000
-1500
-2000
0
20
40
60
80
100

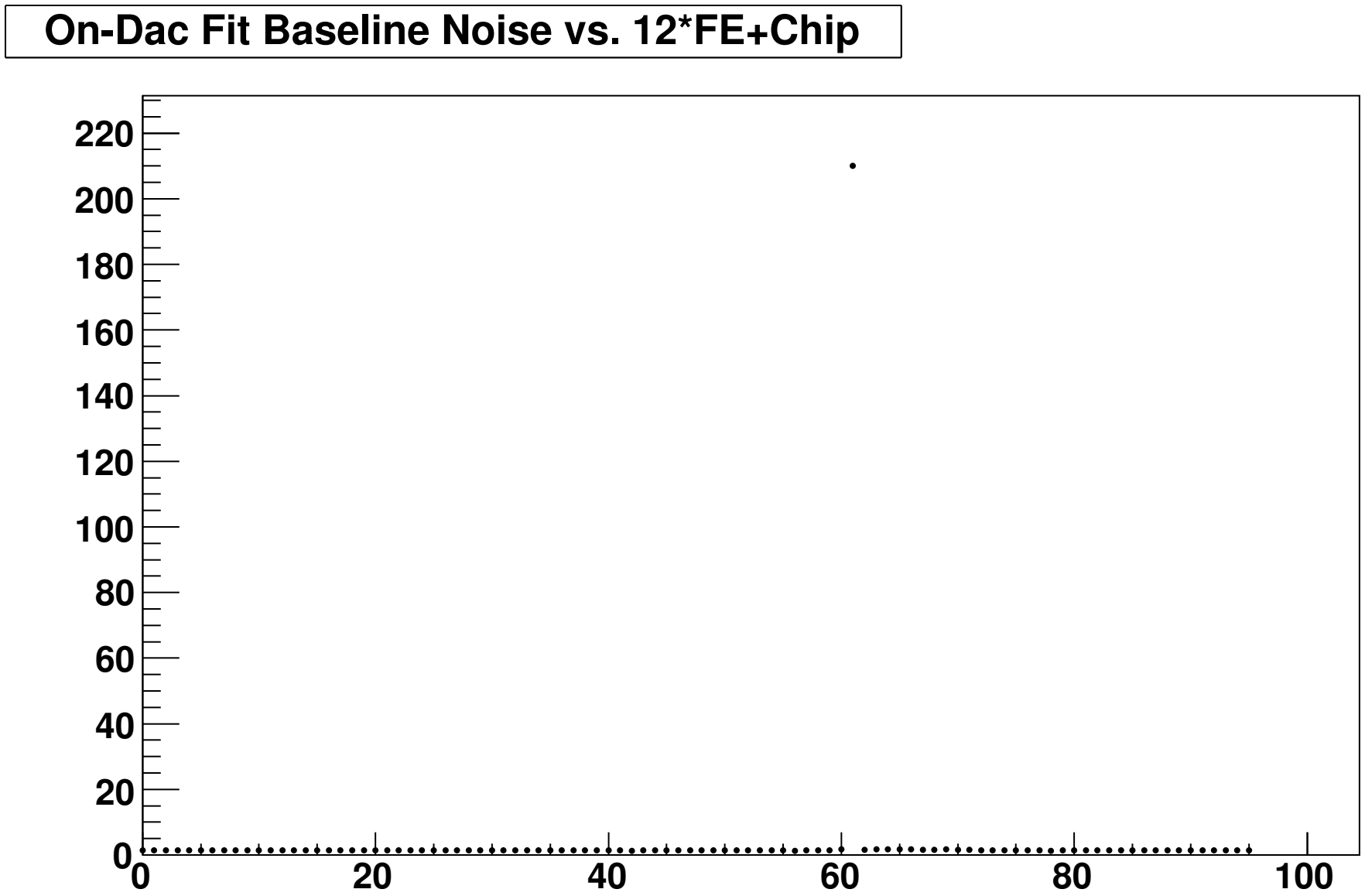

On-Dac Fit Slope vs. 12*FE+Chip
0.46
0.44
0.42
0.4
0.38
0.36
0.34
0
20
40
60
80
100

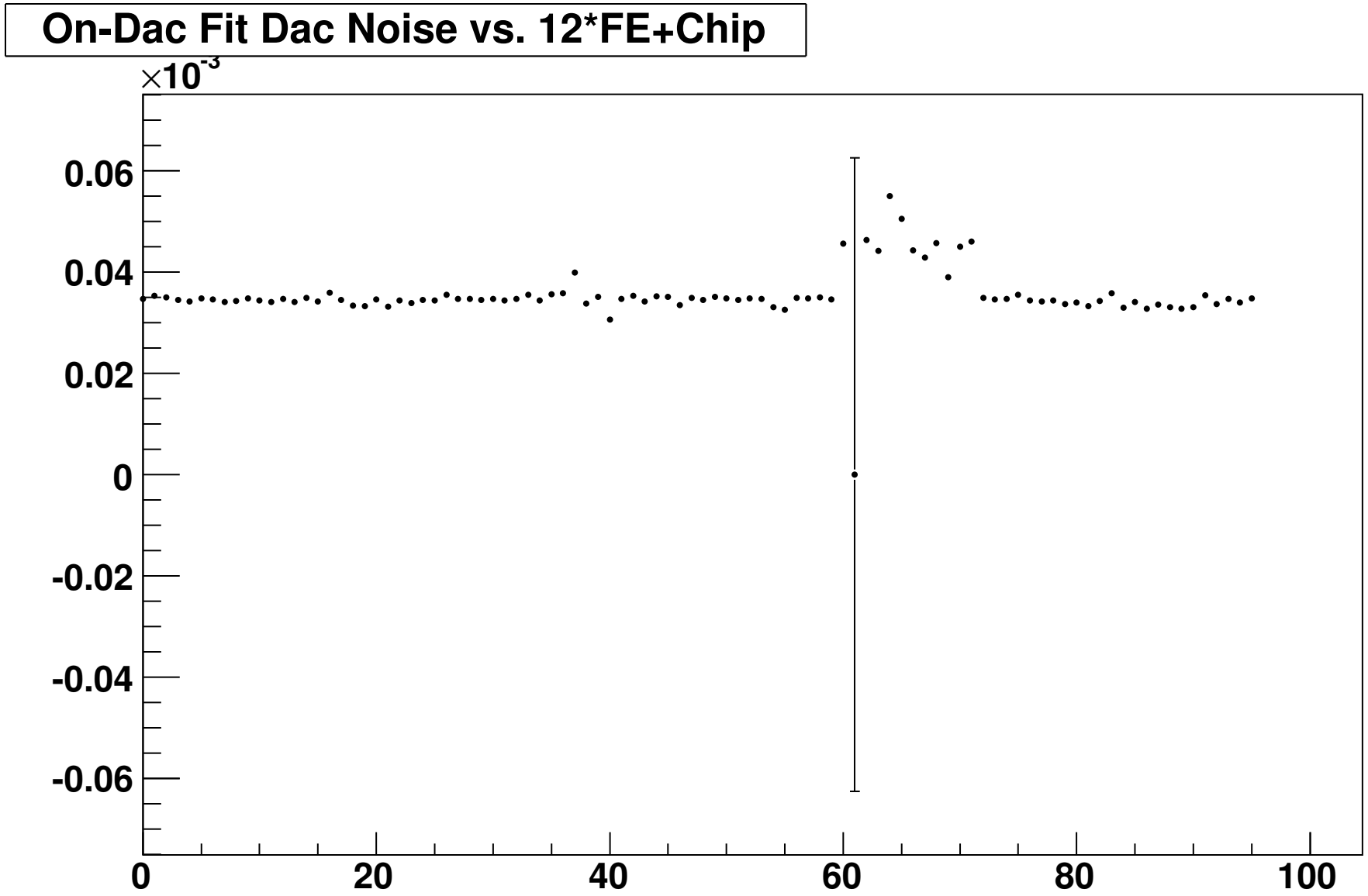

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

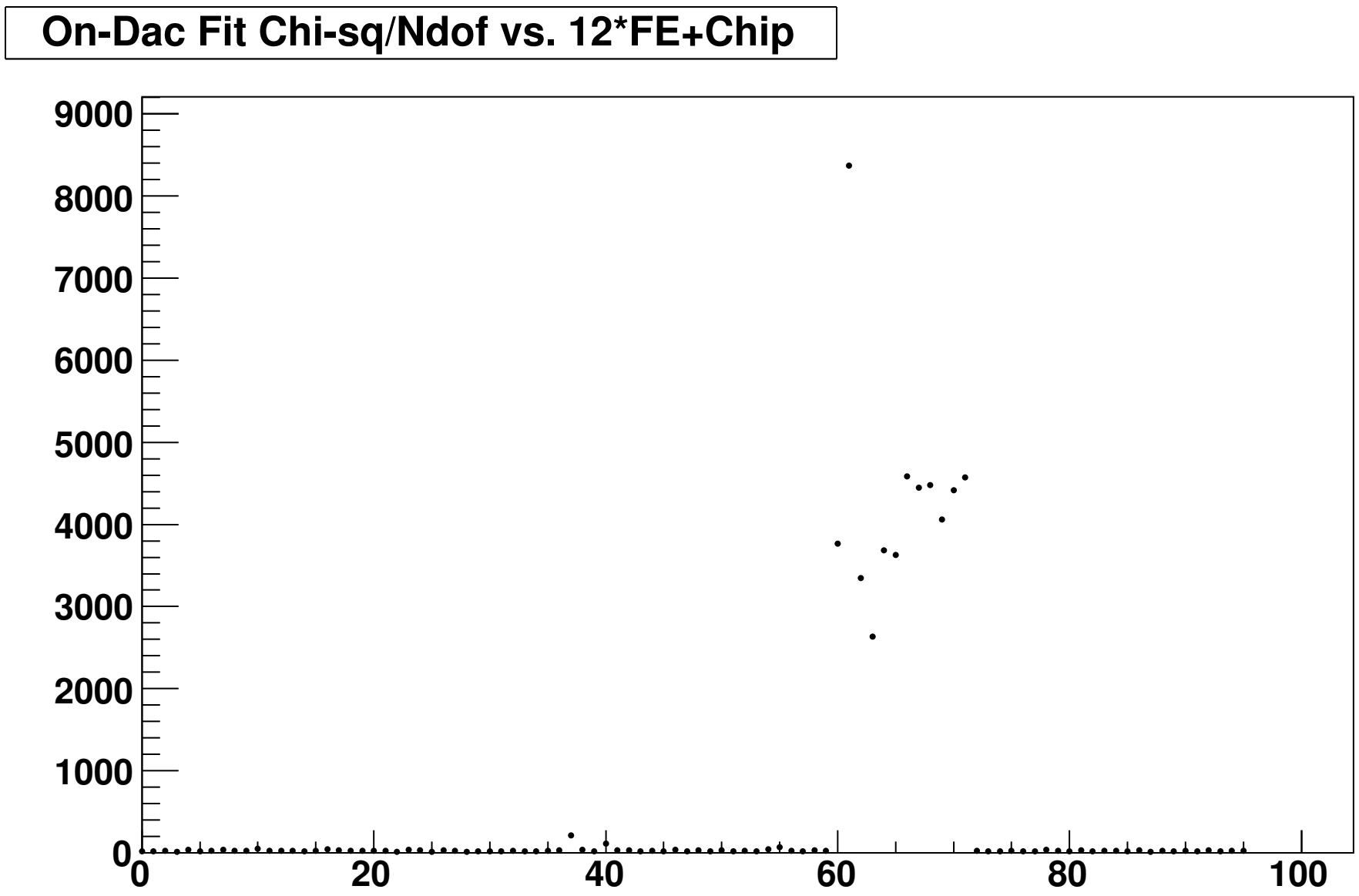

Off-Dac Fit Interpolation vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

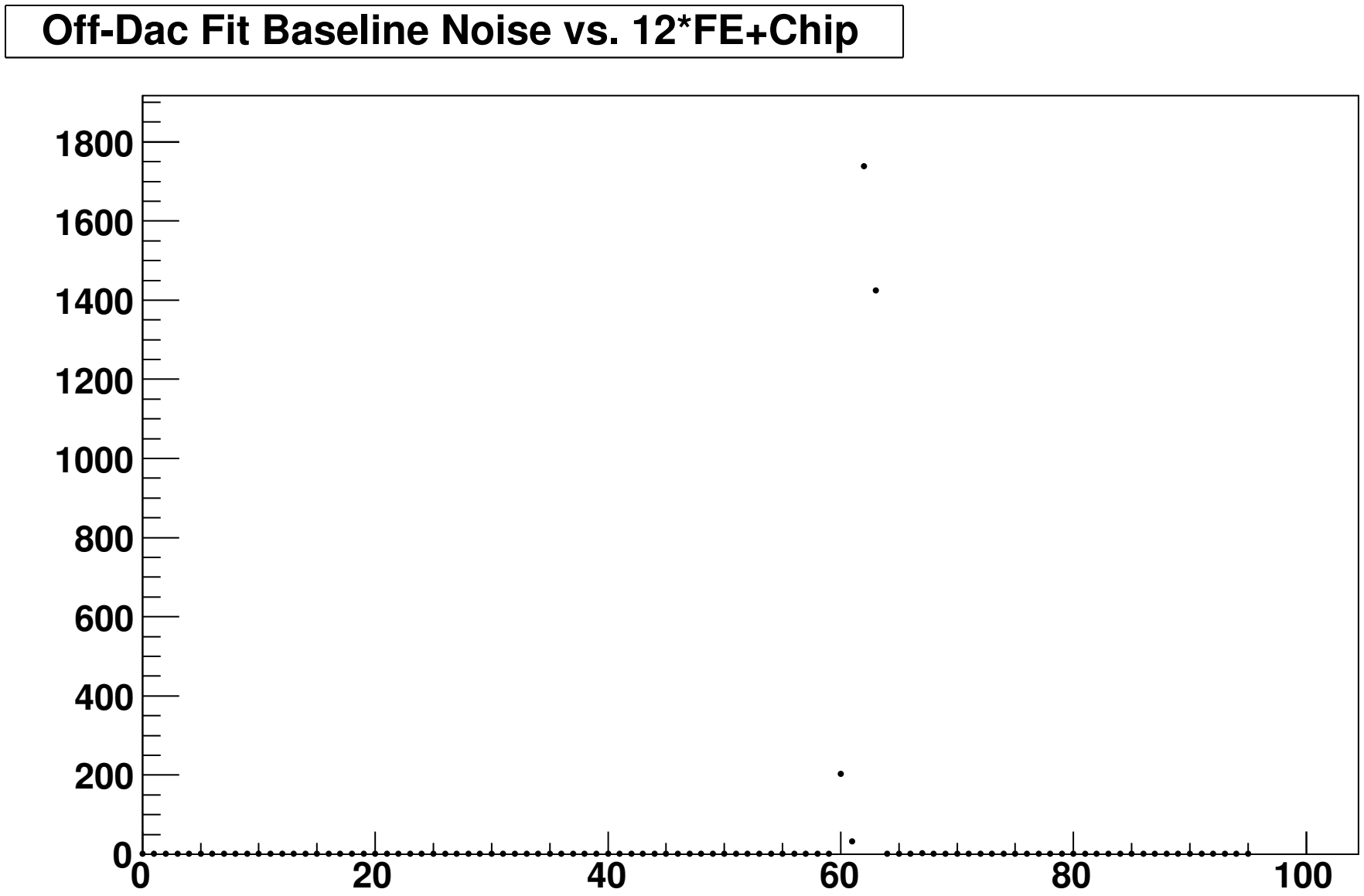

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-3
0.4
0.2
0
-0.2
-0.4
-0.6
0
20
40
60
80
100

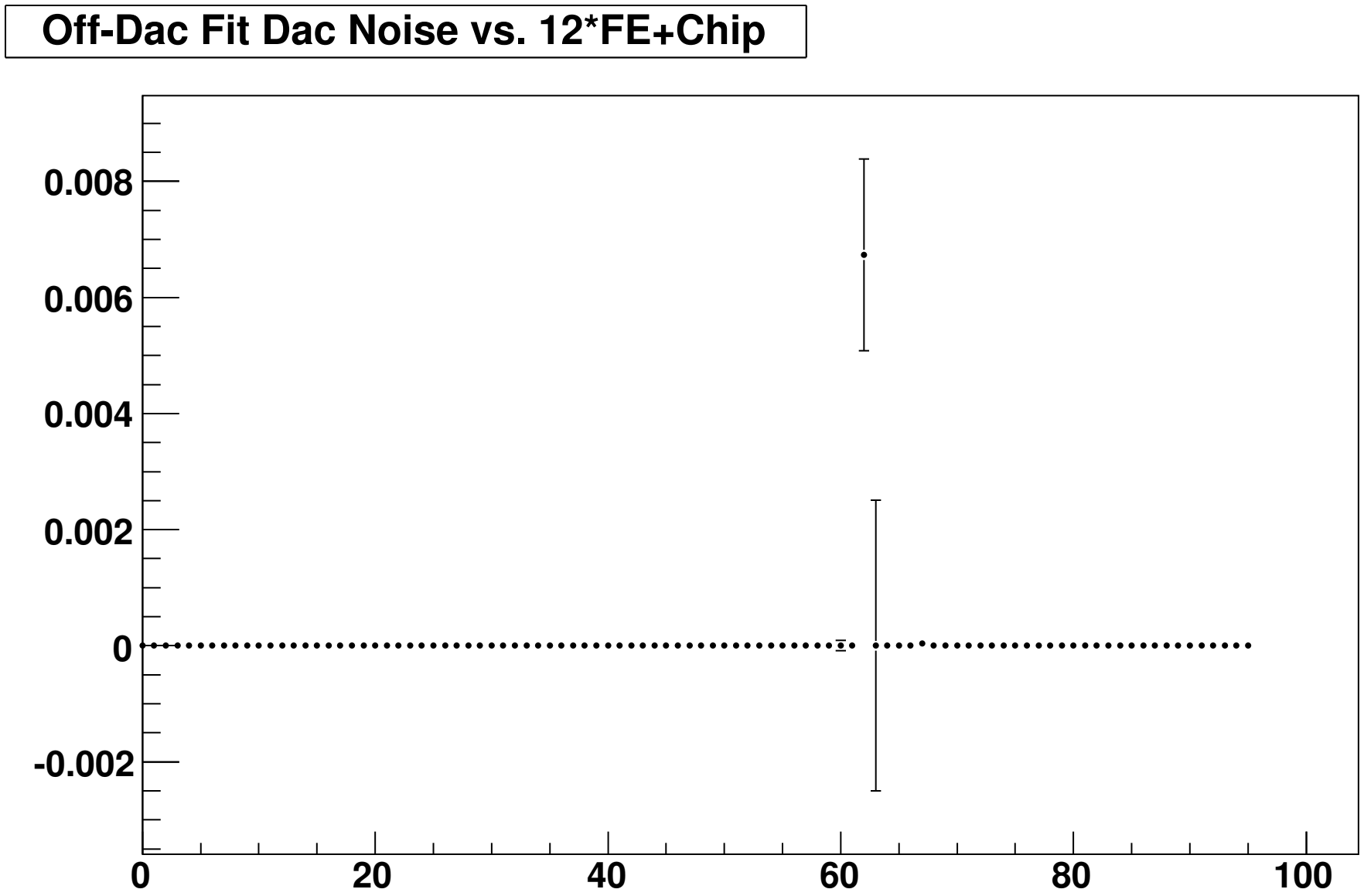

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
120
100
80
60
40
20
0
0
20
40
60
80
100

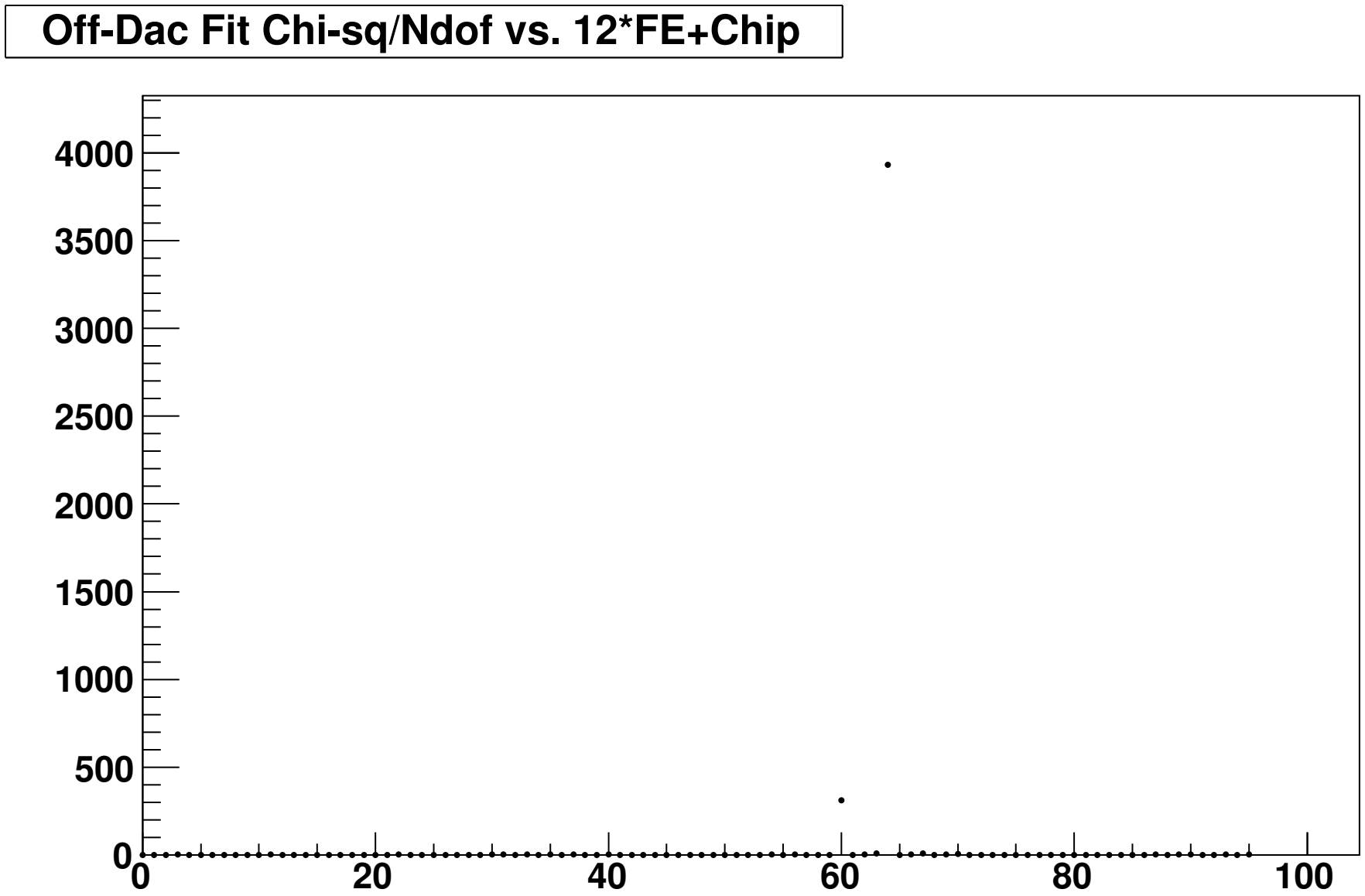

On-Dac Fit Baseline Noise vs. 12*FE+Chip
220
200
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

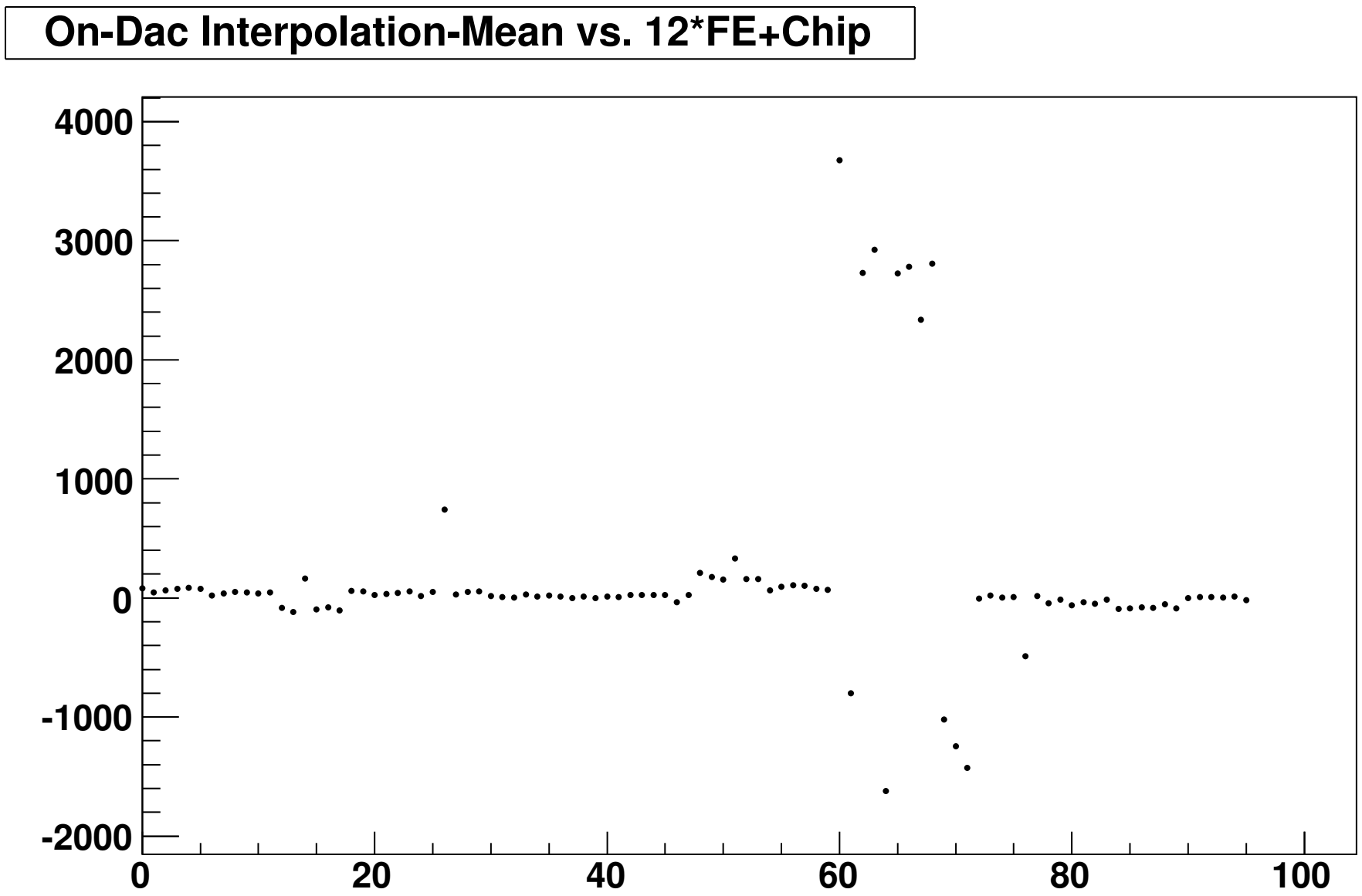

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-3
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
0
20
40
60
80
100

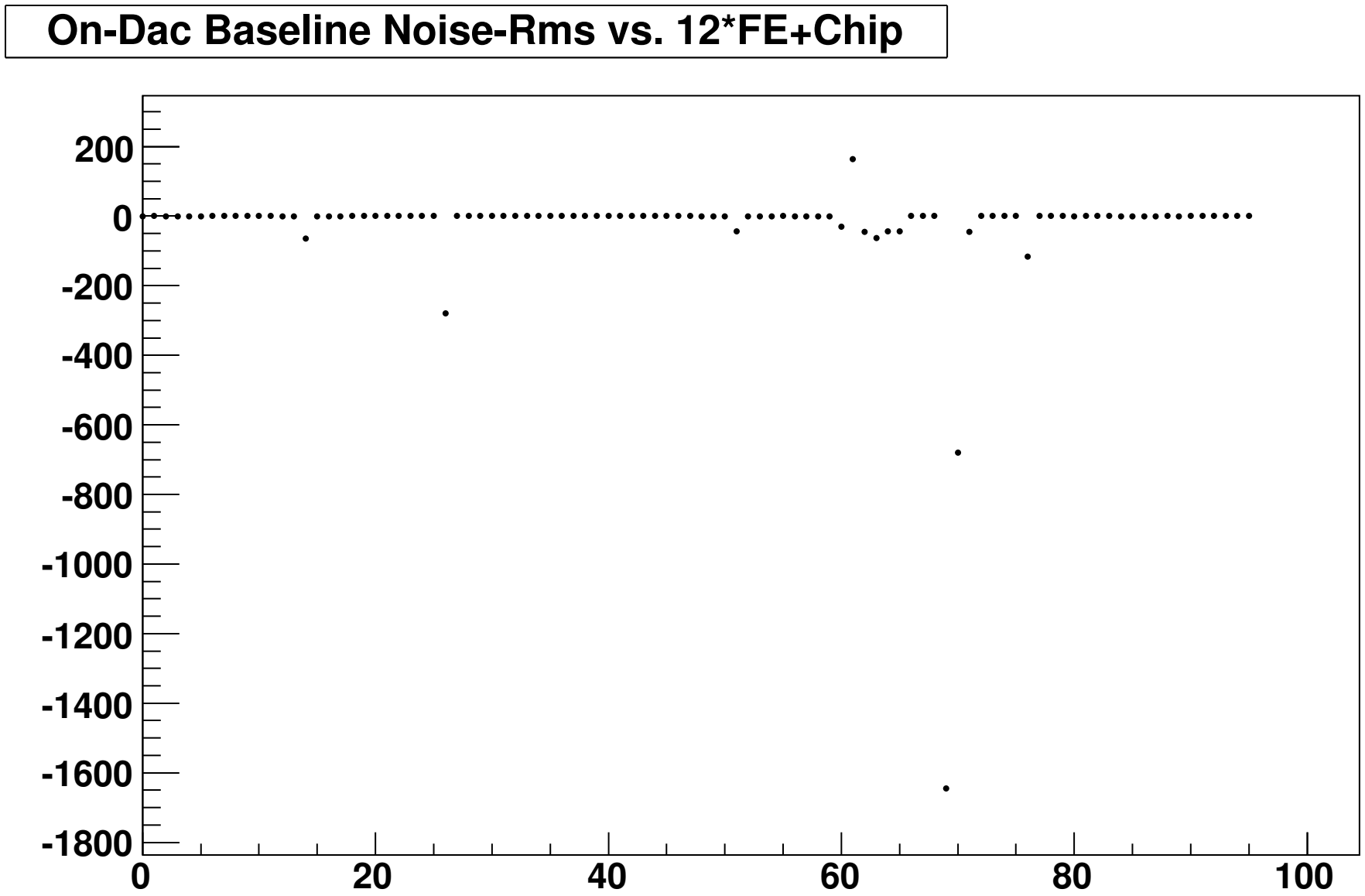

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

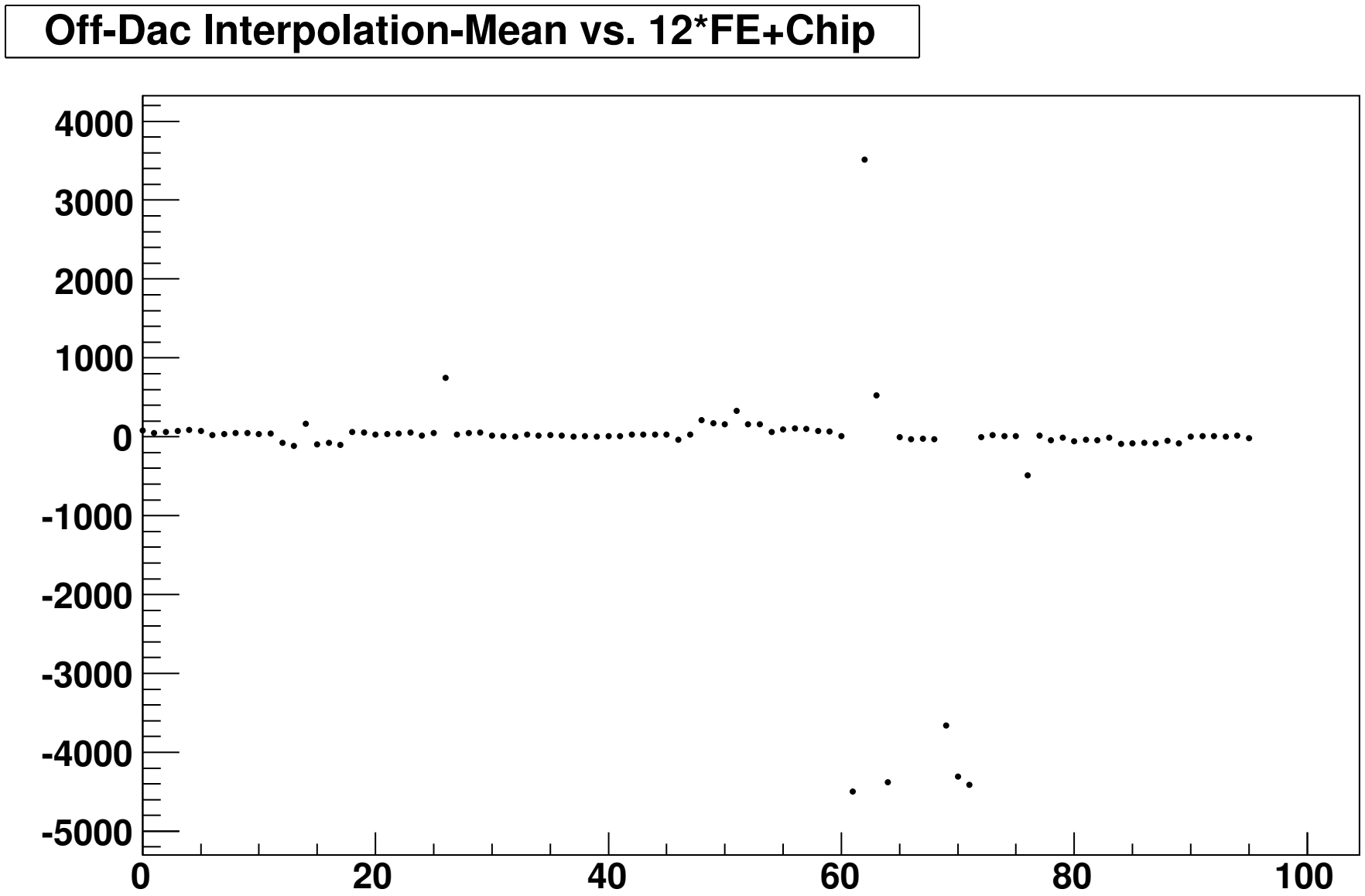

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

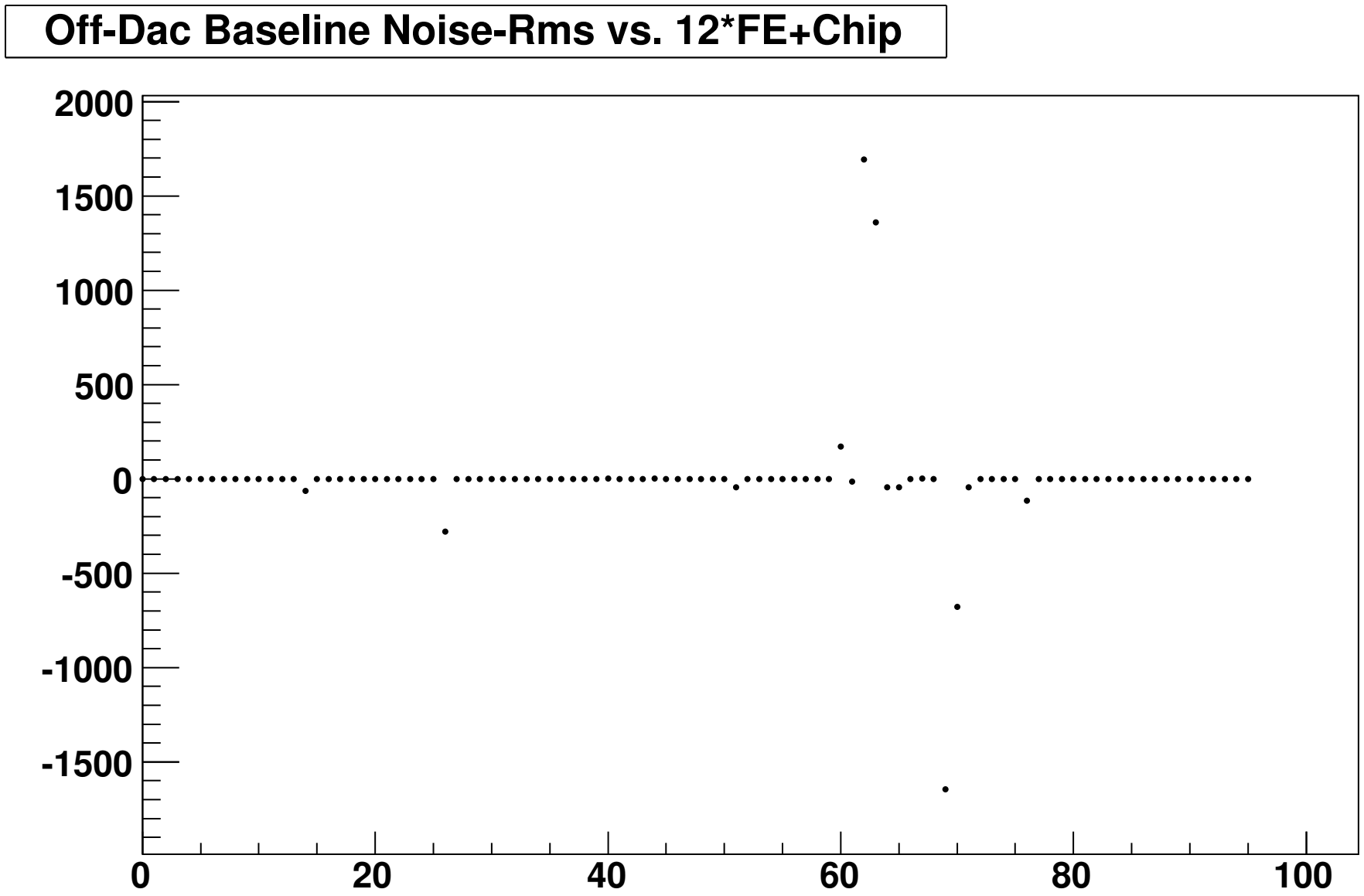

Off-Dac Fit Dac Noise vs. 12*FE+Chip
0.008
0.006
0.004
0.002
0
-0.002
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
200
0
-200
-400
-600
-800
-1000
-1200
-1400
-1600
-1800
0
20
40
60
80
100


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


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
2000
1500
1000
500
0
-500
-1000
-1500
0
20
40
60
80
100