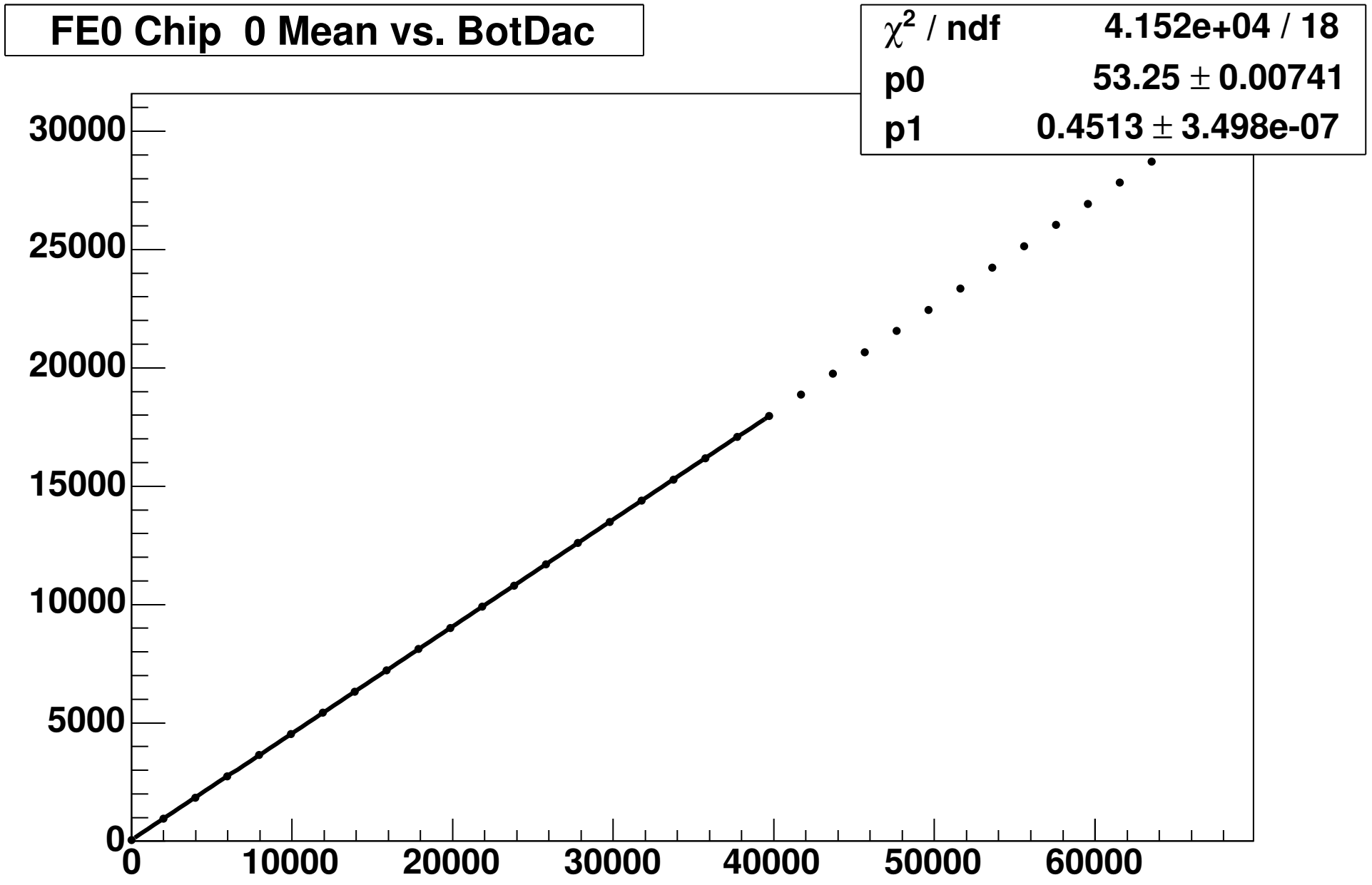
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 4.152e+04 / 18
p0 53.25 ± 0.00741
p1 0.4513 ± 3.498e-07
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15000
10000
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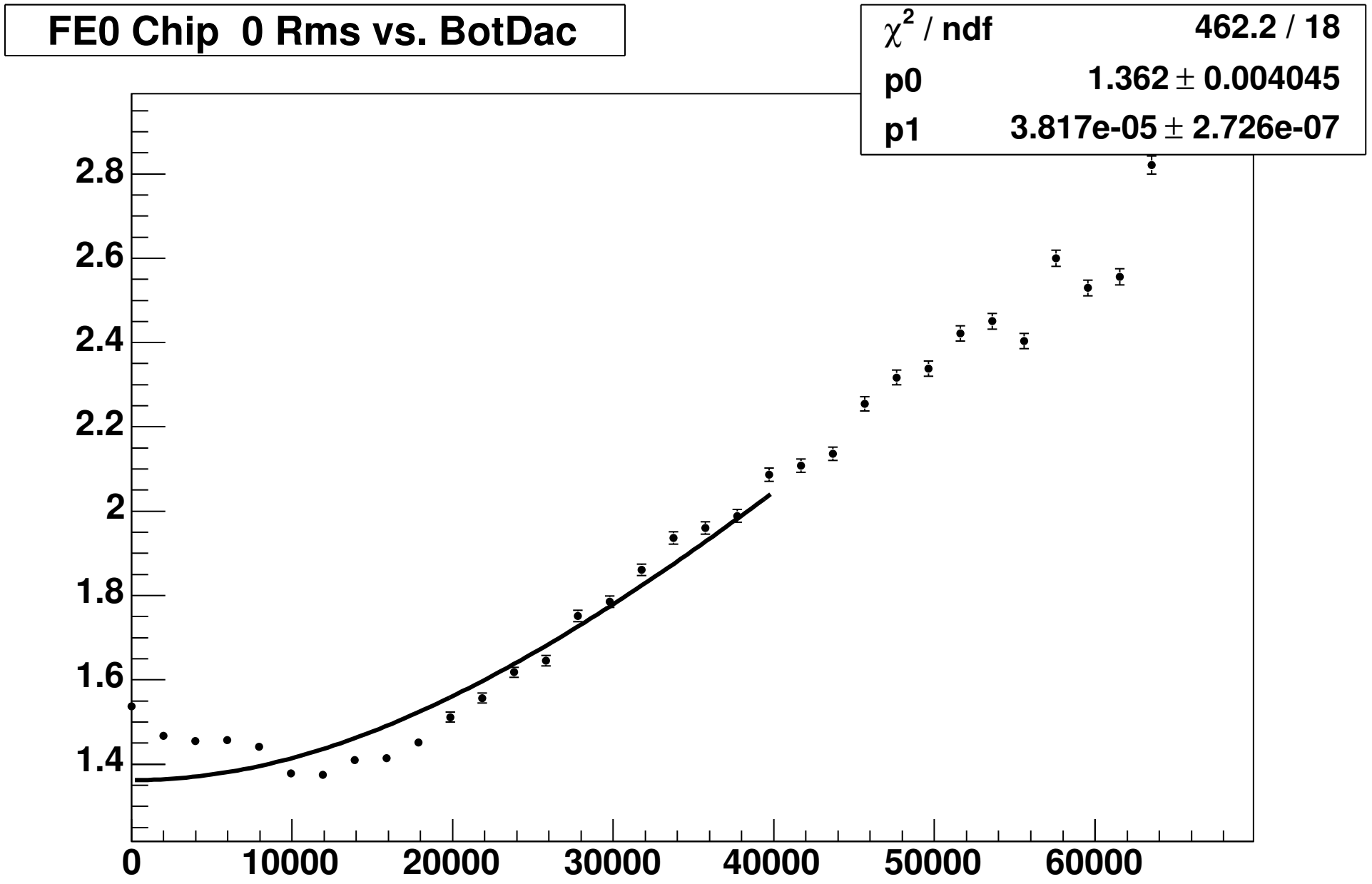
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 462.2 / 18
p0 1.362 ± 0.004045
p1 3.817e-05 ± 2.726e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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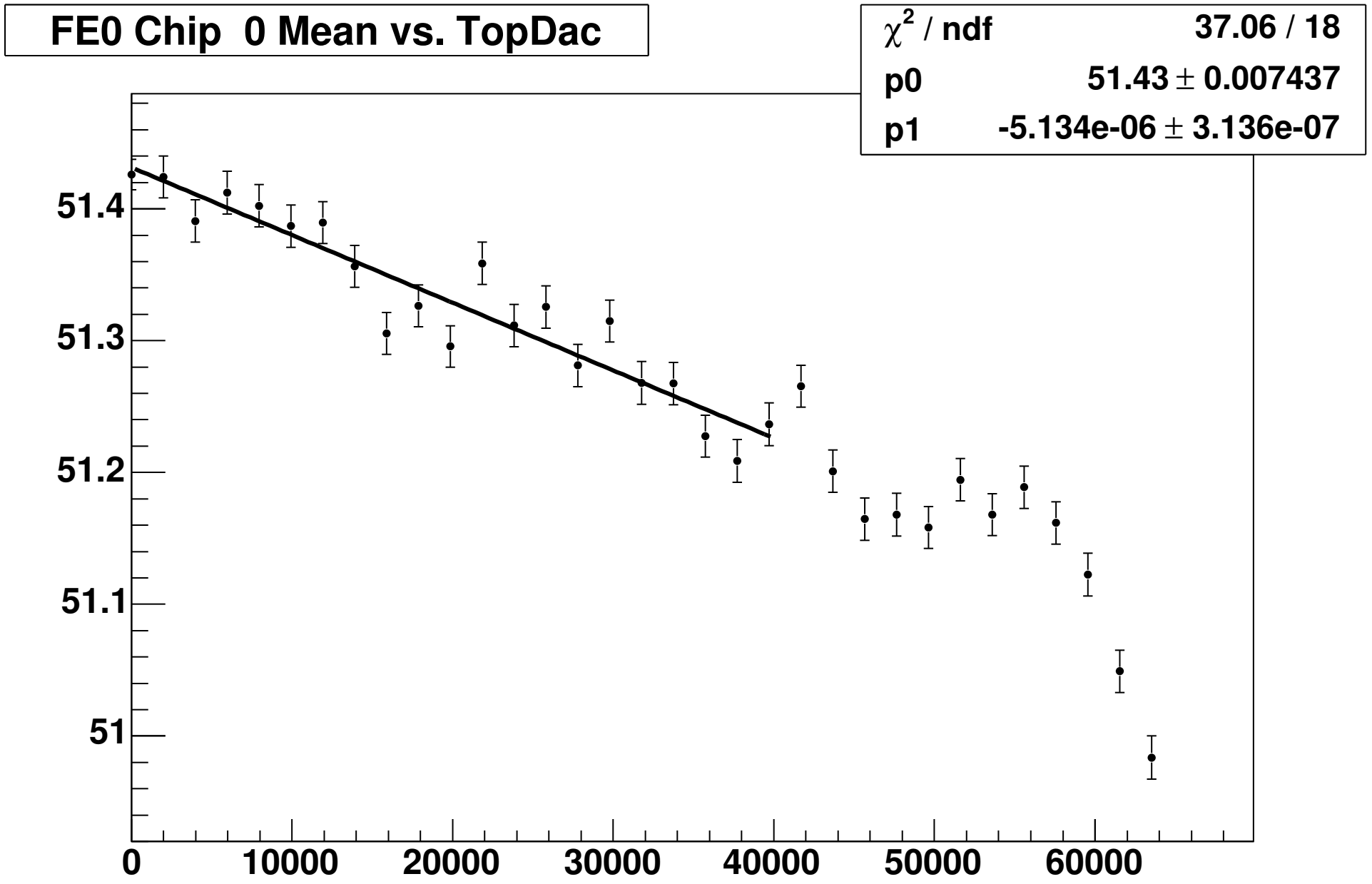
50000
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 37.06 / 18
p0 51.43 ± 0.007437
p1 -5.134e-06 ± 3.136e-07
51.4
51.3
51.2
51.1
51
0
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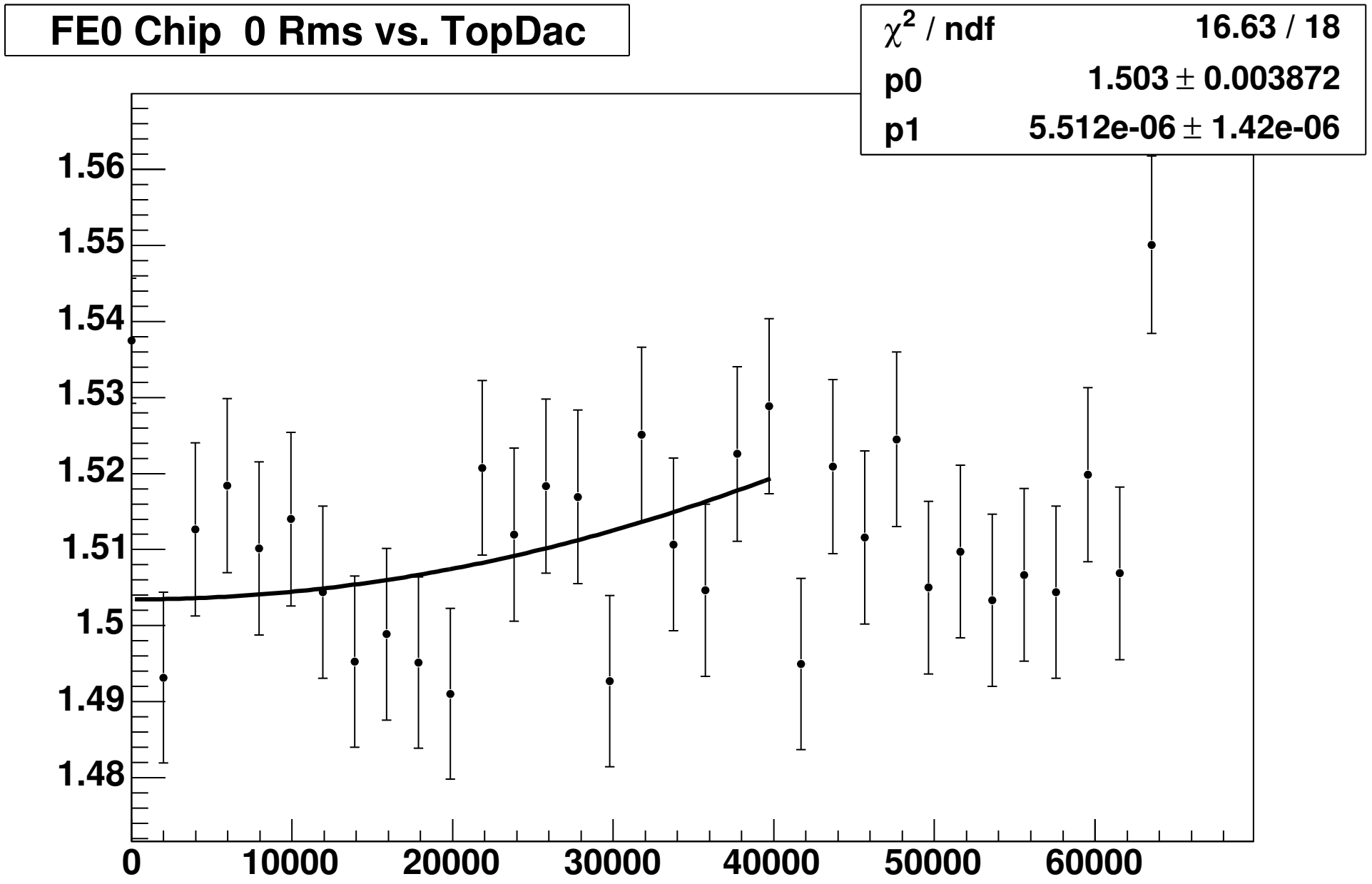
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 16.63 / 18
p0 1.503 ± 0.003872
p1 5.512e-06 ± 1.42e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
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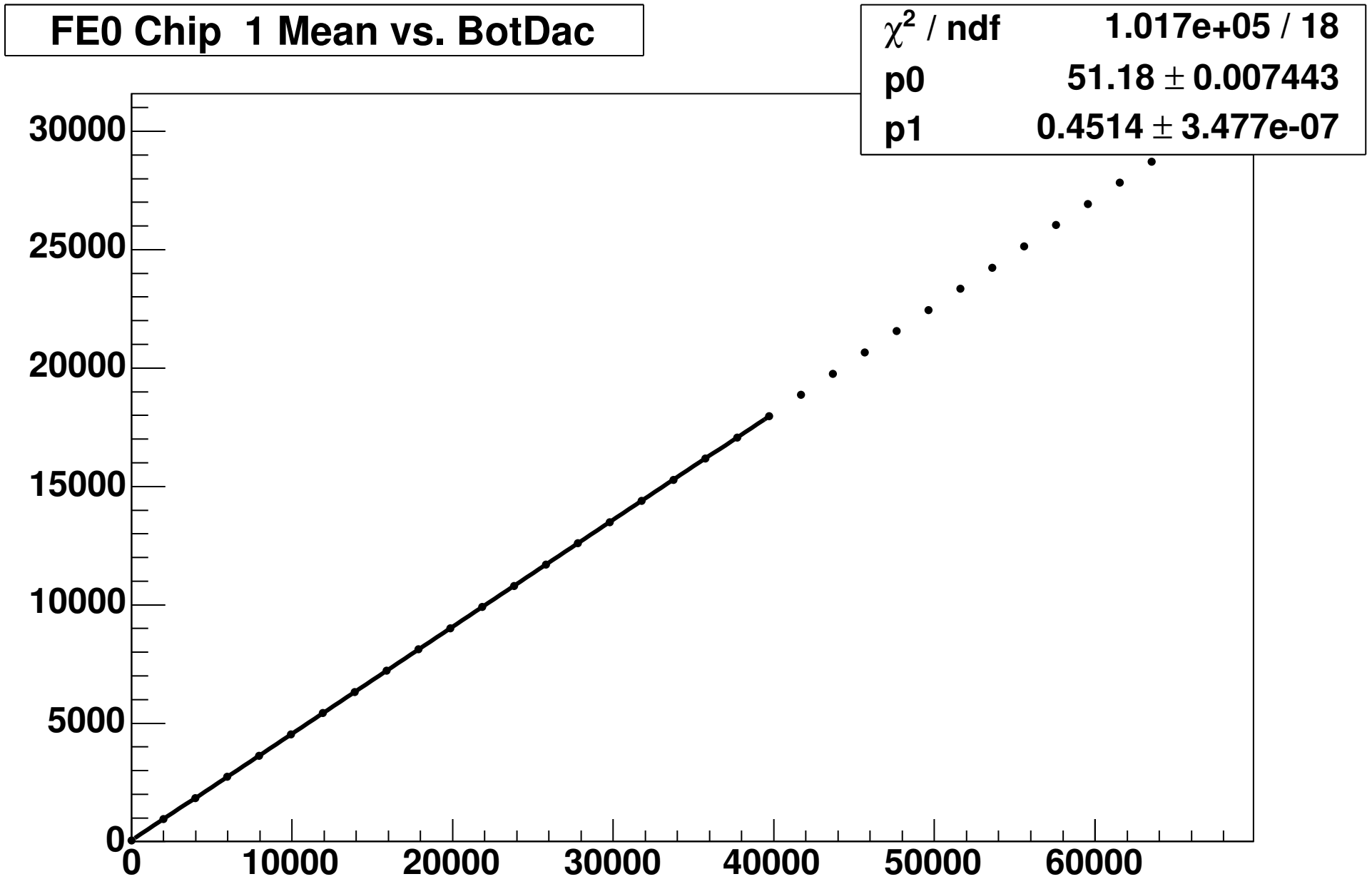
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.017e+05 / 18
p0 51.18 ± 0.007443
p1 0.4514 ± 3.477e-07
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0
0
10000
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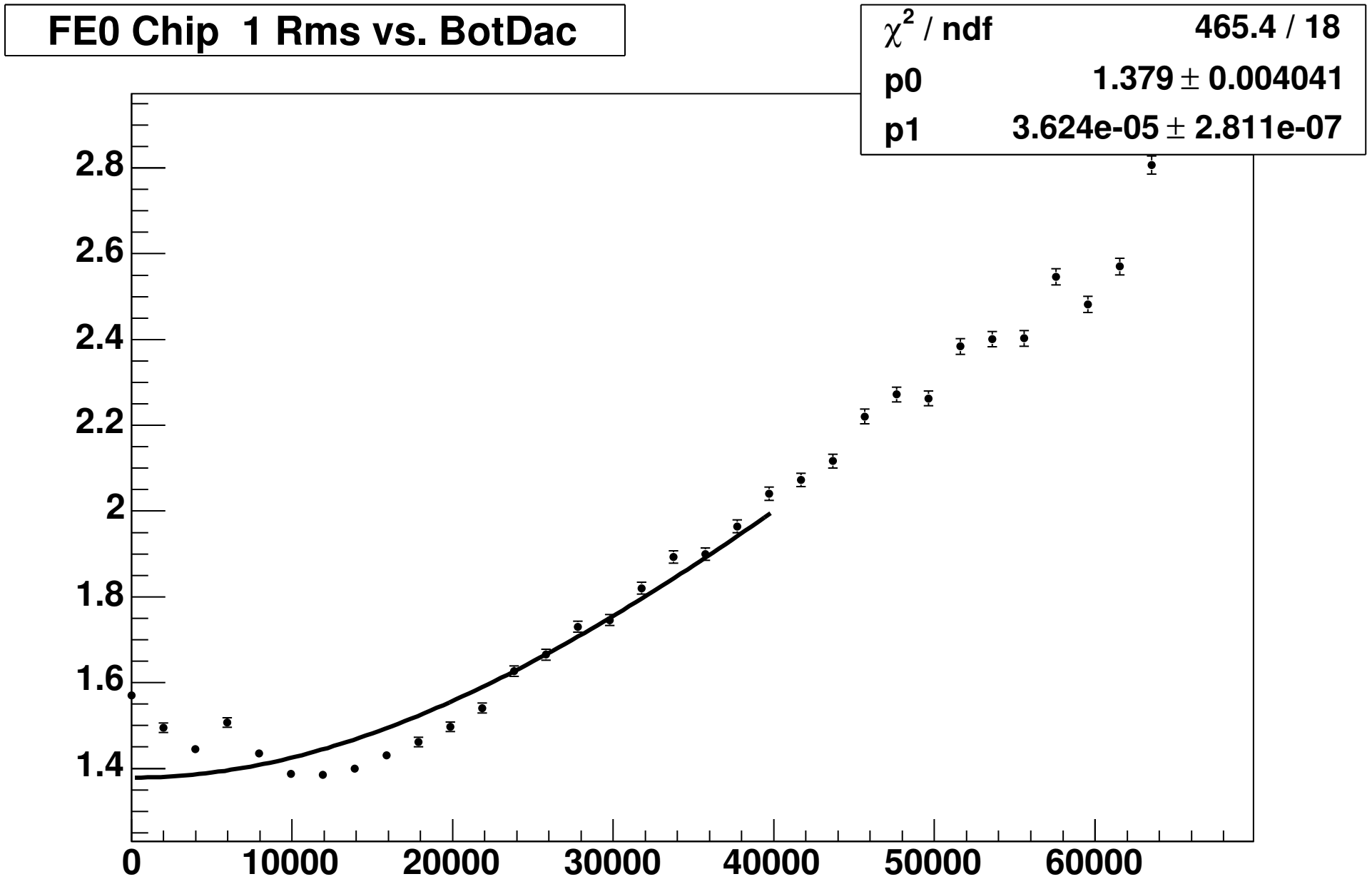
30000
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 465.4 / 18
p0 1.379 ± 0.004041
p1 3.624e-05 ± 2.811e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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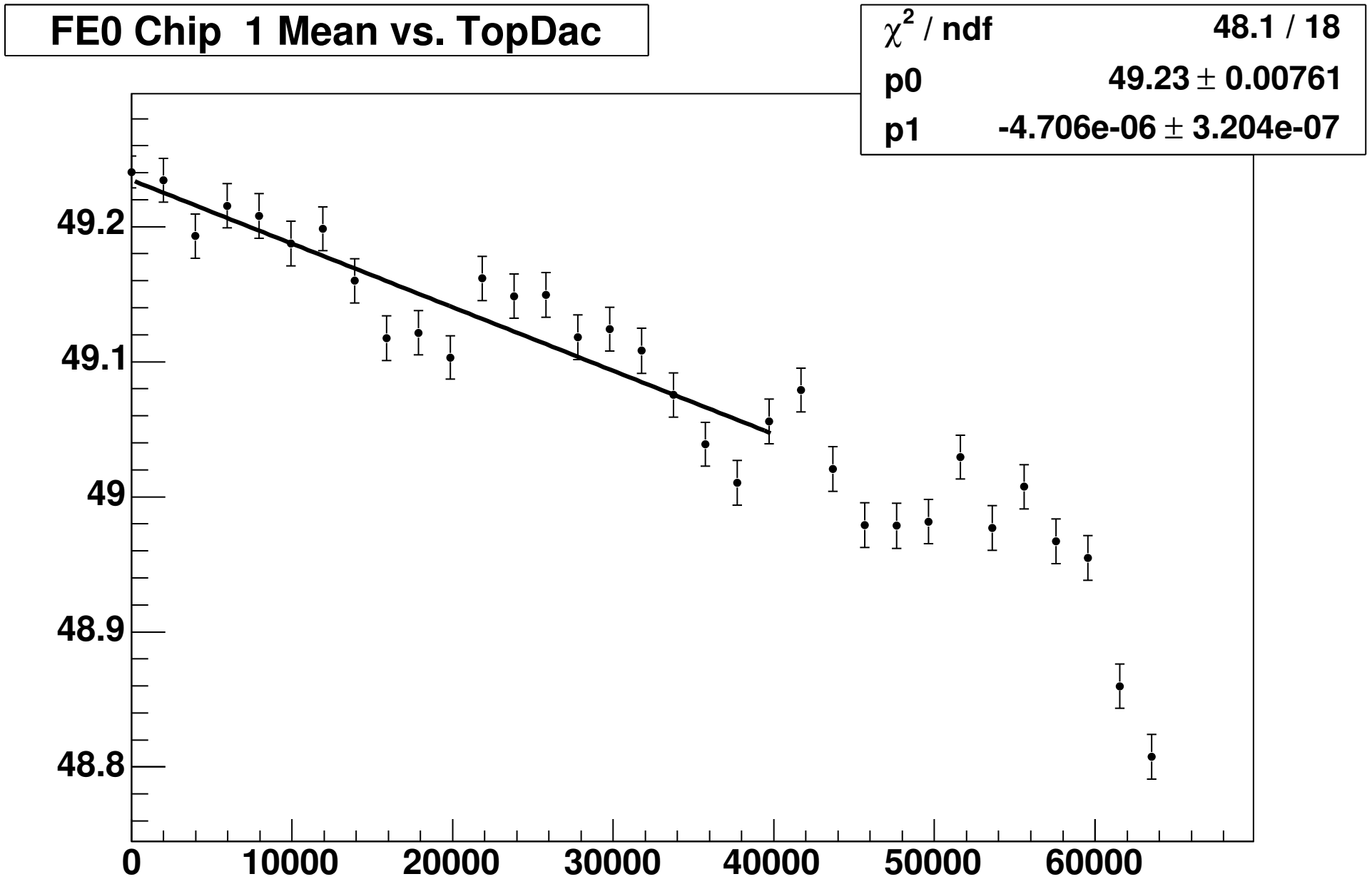
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 48.1 / 18
p0 49.23 ± 0.00761
p1 -4.706e-06 ± 3.204e-07
49.2
49.1
49
48.9
48.8
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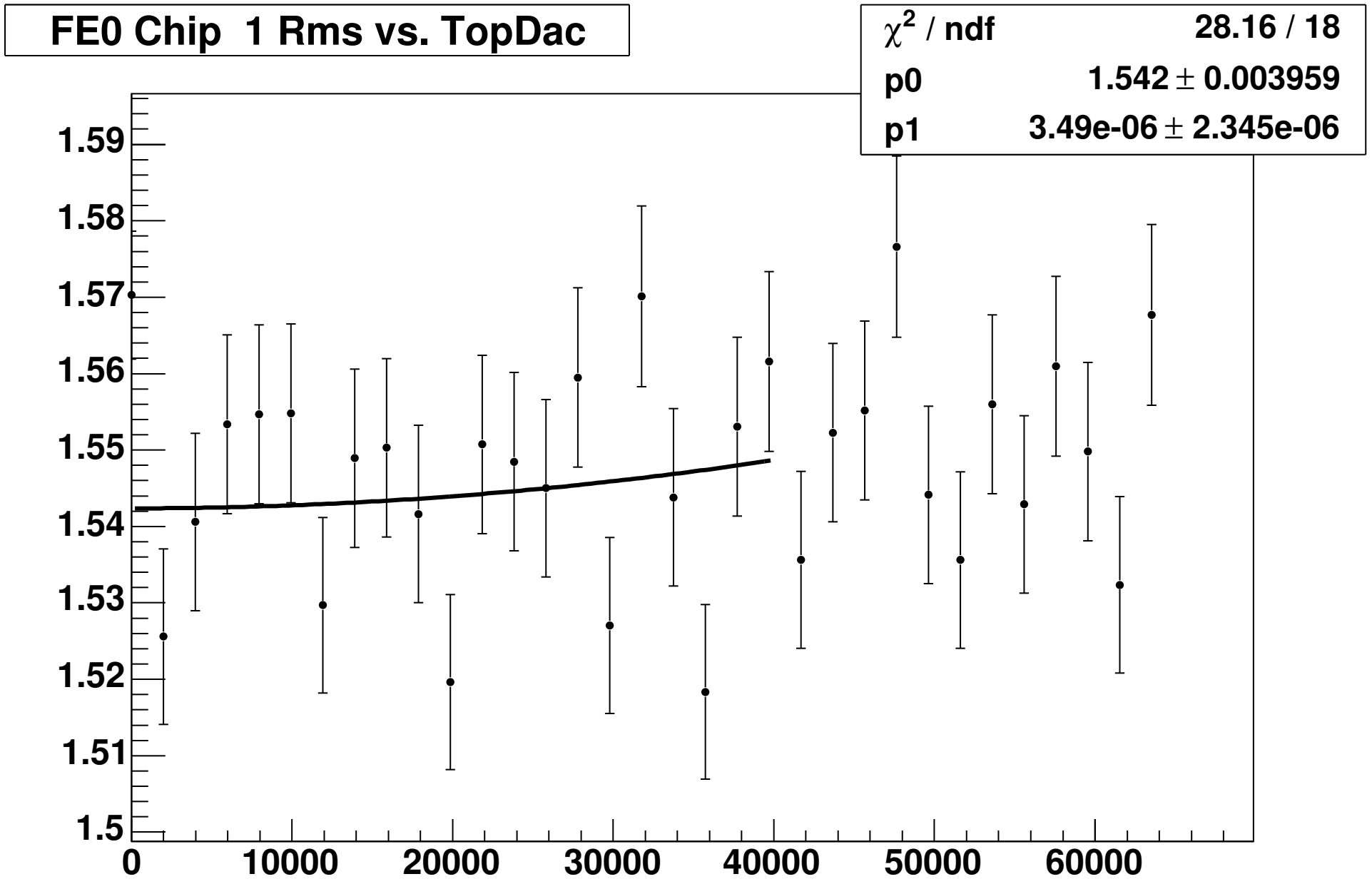
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 28.16 / 18
p0 1.542 ± 0.003959
p1 3.49e-06 ± 2.345e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
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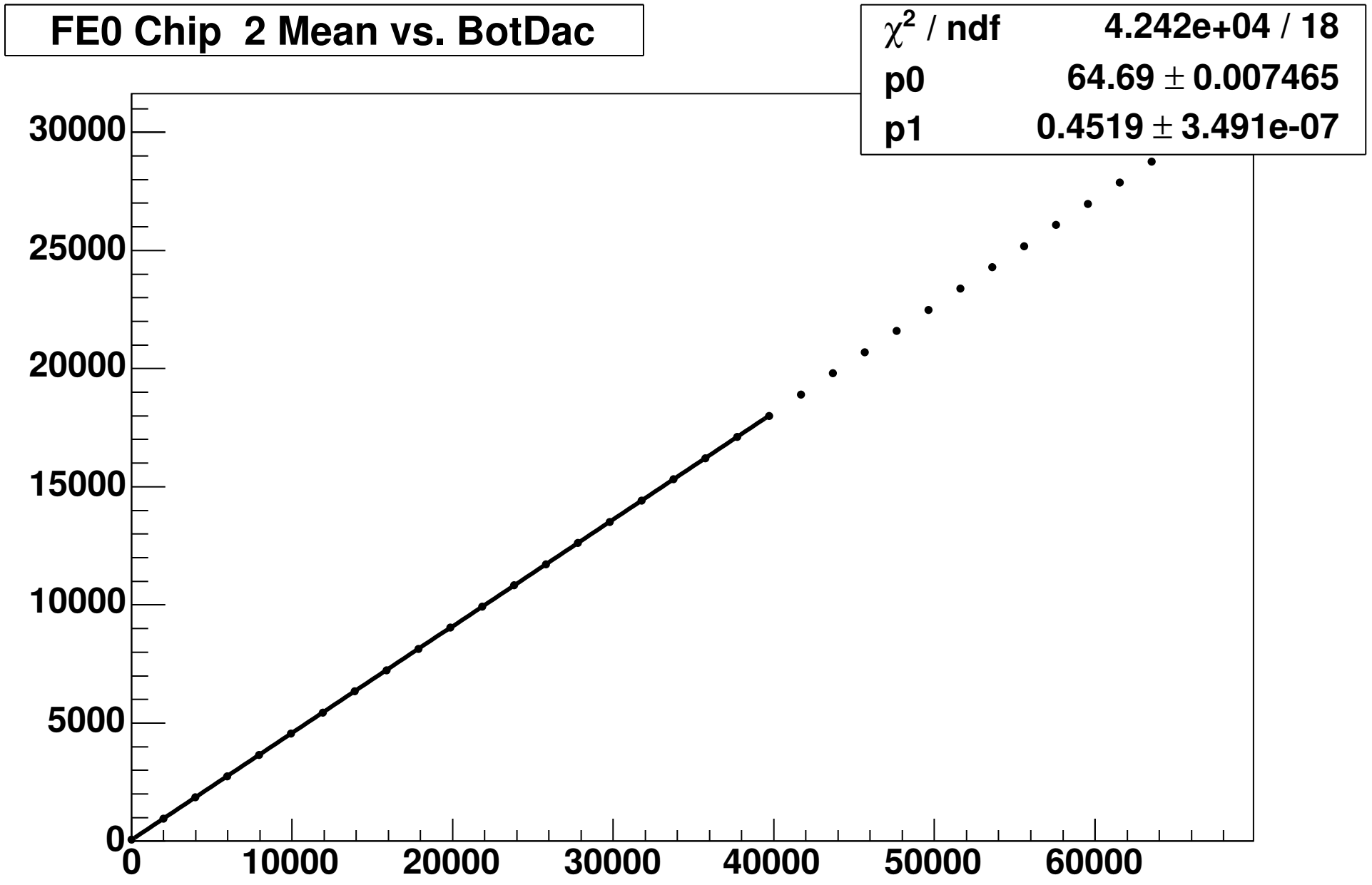
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 4.242e+04 / 18
p0 64.69 ± 0.007465
p1 0.4519 ± 3.491e-07
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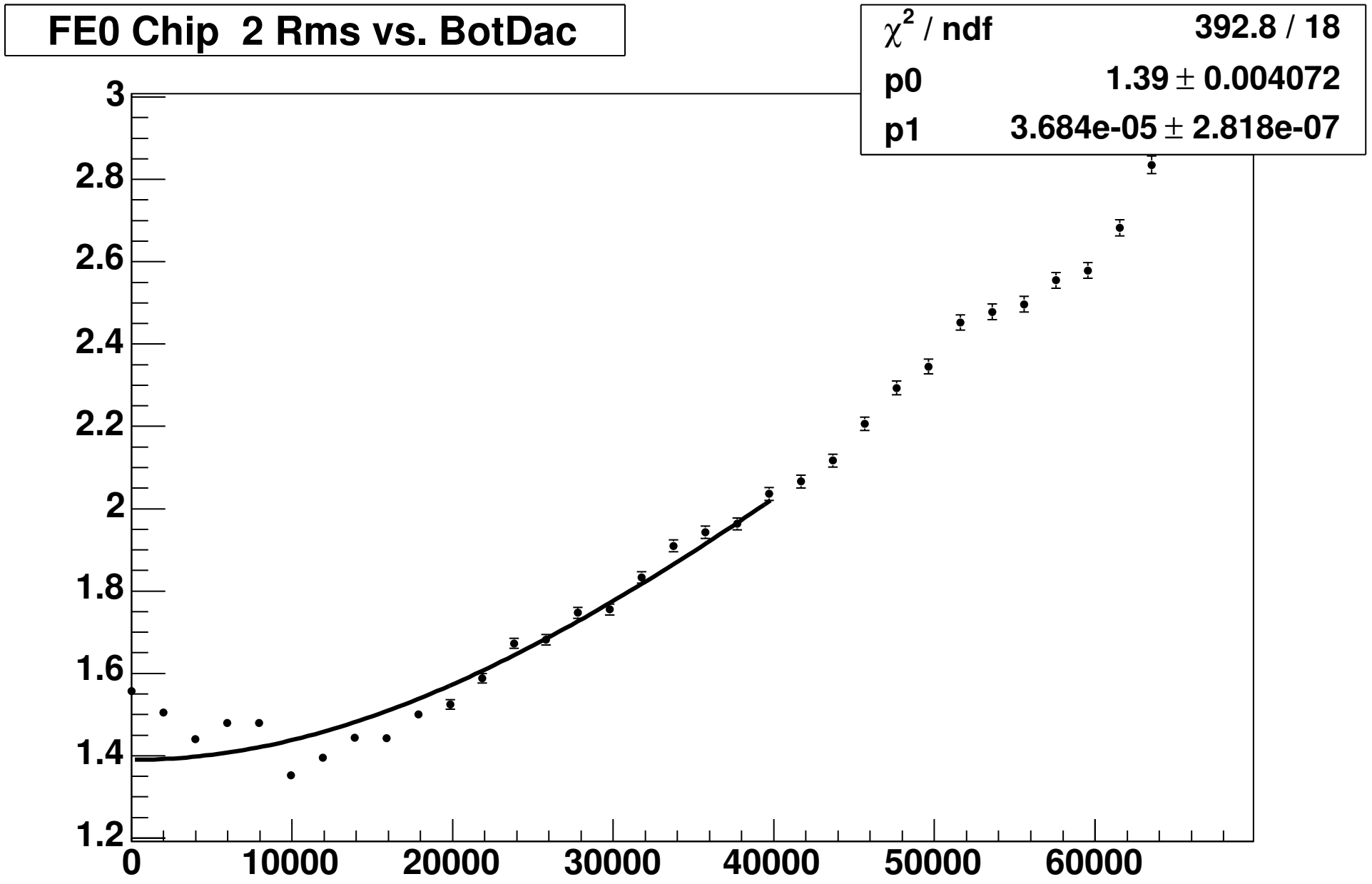
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 392.8 / 18
p0 1.39 ± 0.004072
p1 3.684e-05 ± 2.818e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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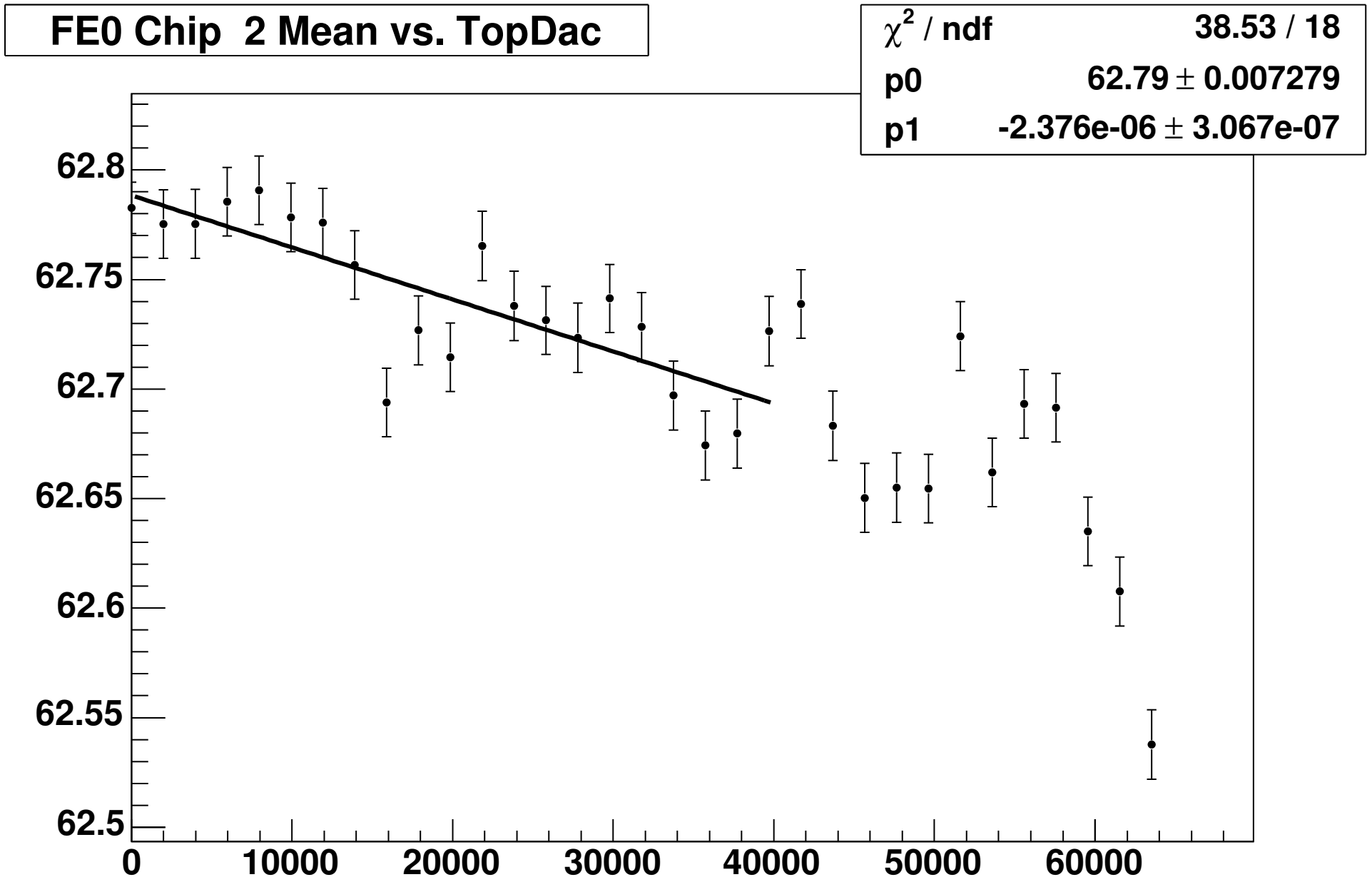
30000
40000
50000
60000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 38.53 / 18
p0 62.79 ± 0.007279
p1 -2.376e-06 ± 3.067e-07
62.8
62.75
62.7
62.65
62.6
62.55
62.5
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40000
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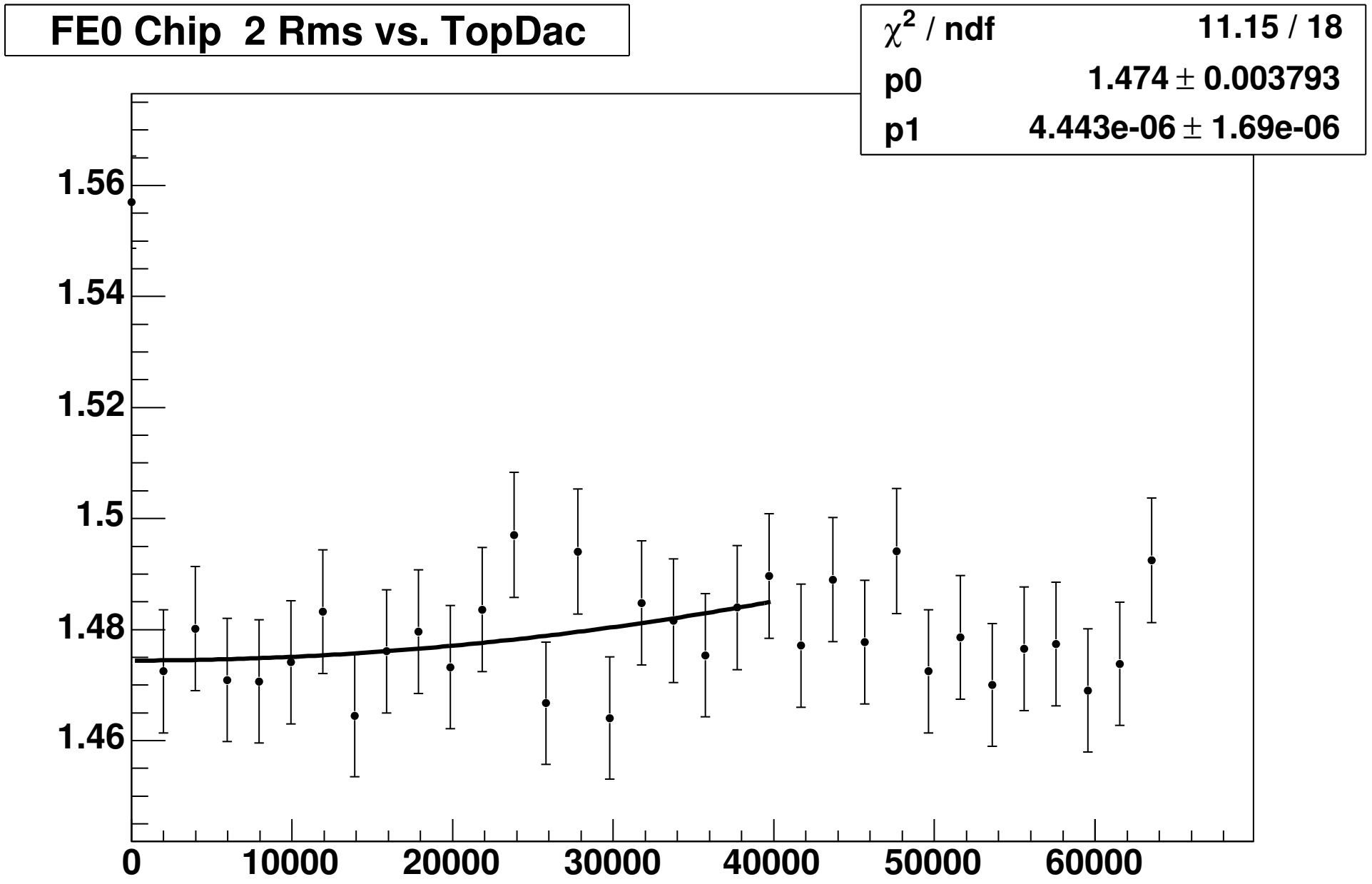
60000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 11.15 / 18
p0 1.474 ± 0.003793
p1 4.443e-06 ± 1.69e-06
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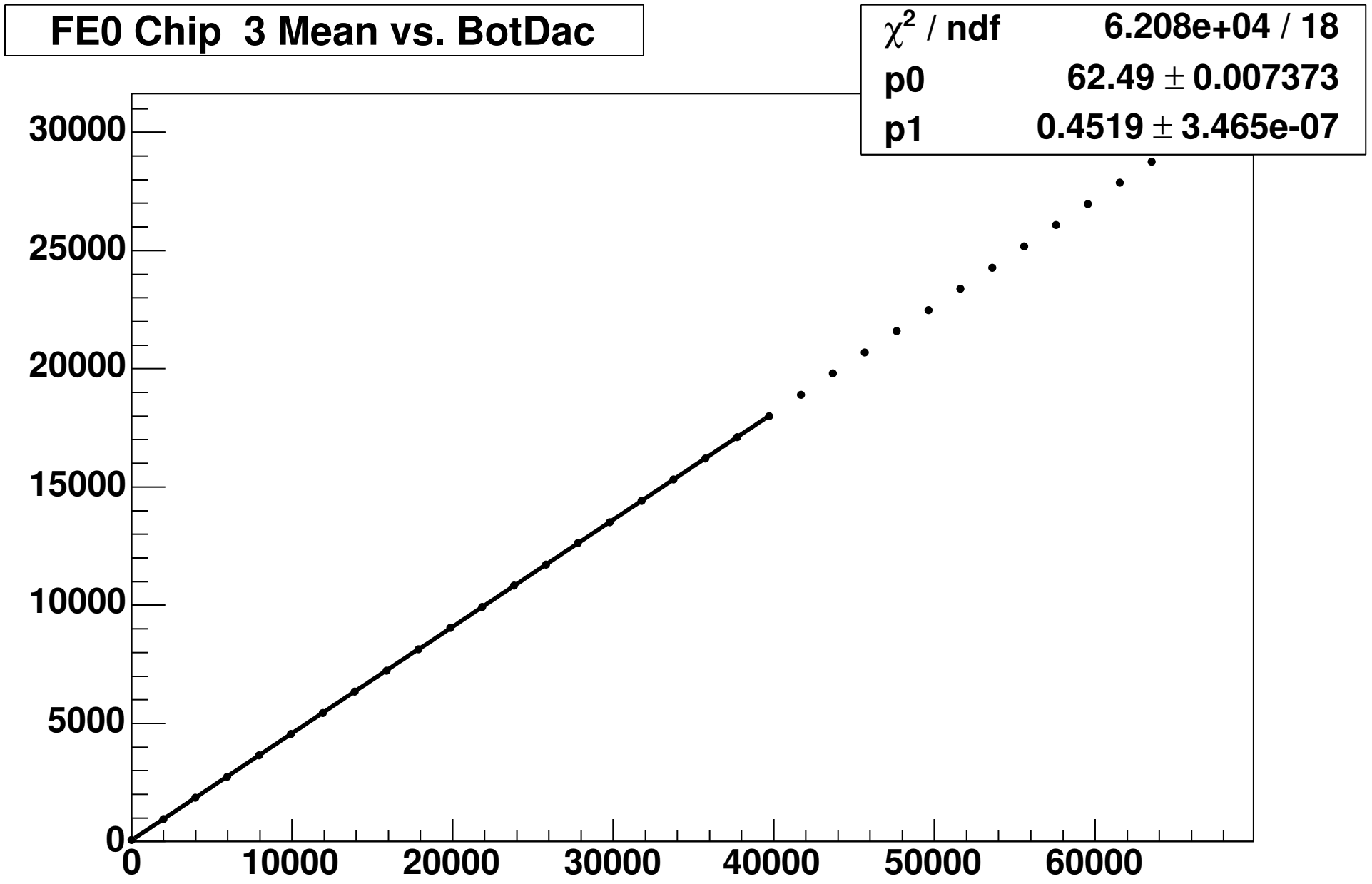
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 6.208e+04 / 18
p0 62.49 ± 0.007373
p1 0.4519 ± 3.465e-07
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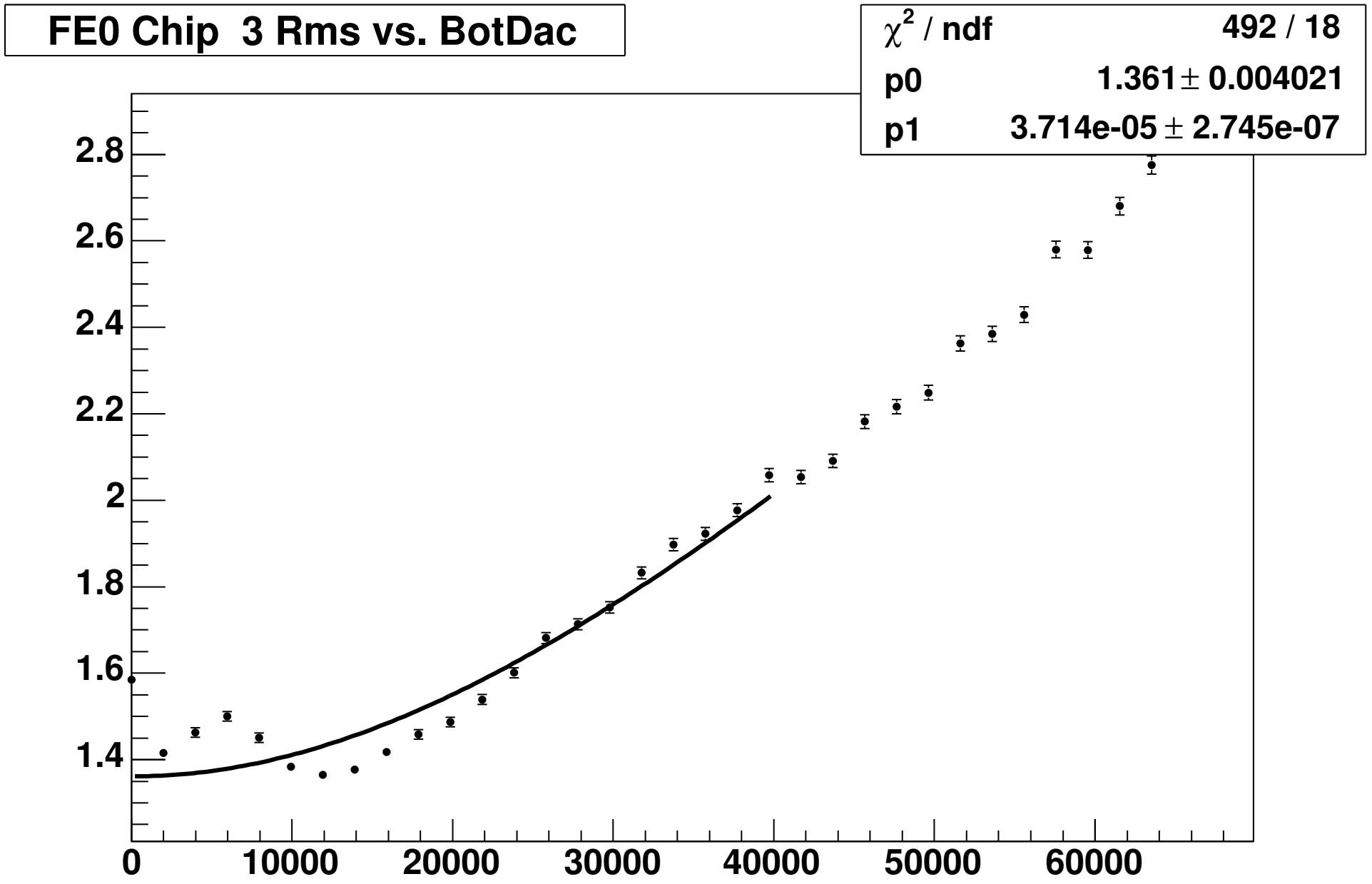
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 492 / 18
p0 1.361 ± 0.004021
p1 3.714e-05 ± 2.745e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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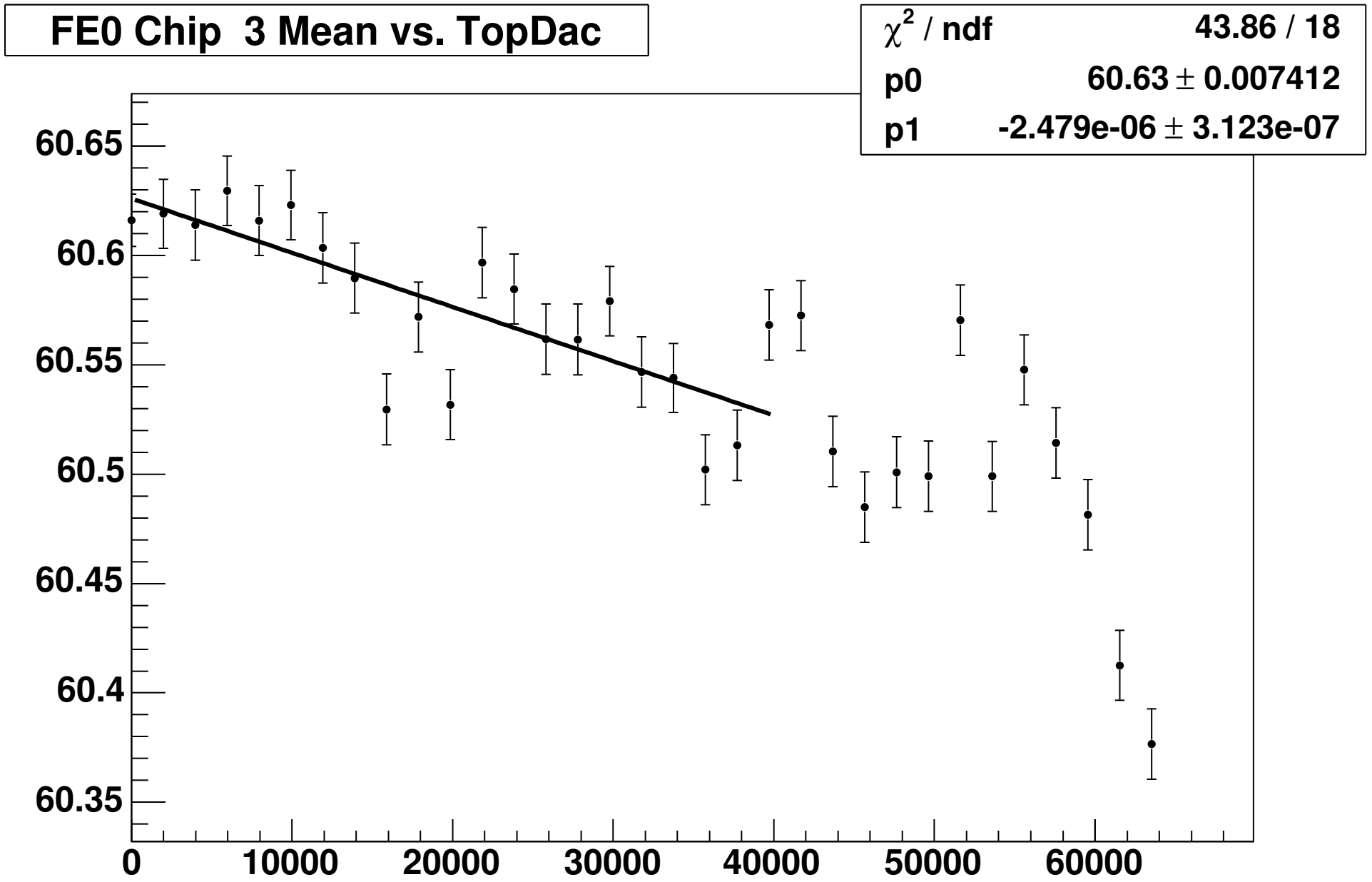
40000
50000
60000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 43.86 / 18
p0 60.63 ± 0.007412
p1 -2.479e-06 ± 3.123e-07
60.65
60.6
60.55
60.5
60.45
60.4
60.35
0
10000
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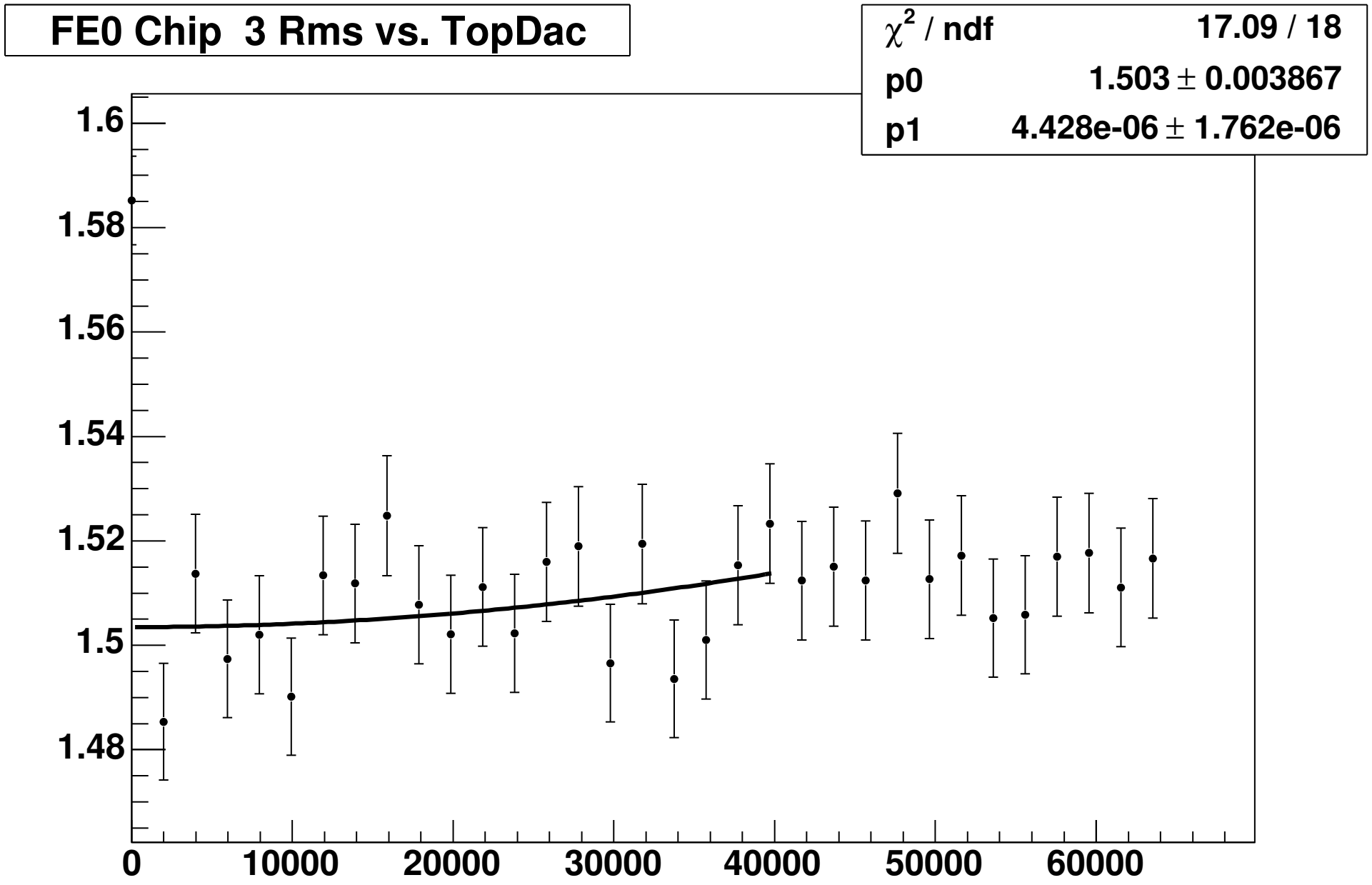
30000
40000
50000
60000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 17.09 / 18
p0 1.503 ± 0.003867
p1 4.428e-06 ± 1.762e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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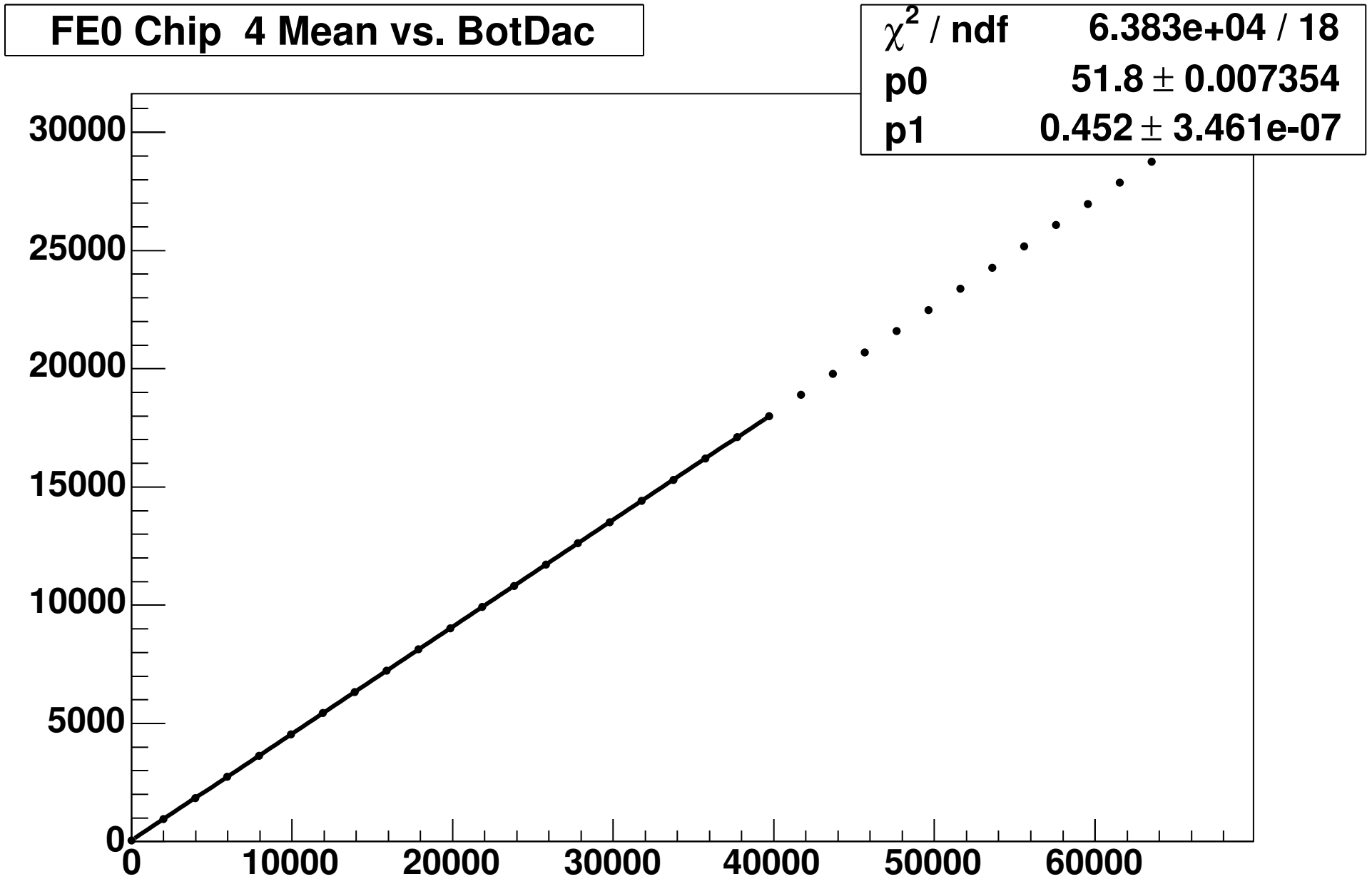
30000
40000
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 6.383e+04 / 18
p0 51.8 ± 0.007354
p1 0.452 ± 3.461e-07
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25000
20000
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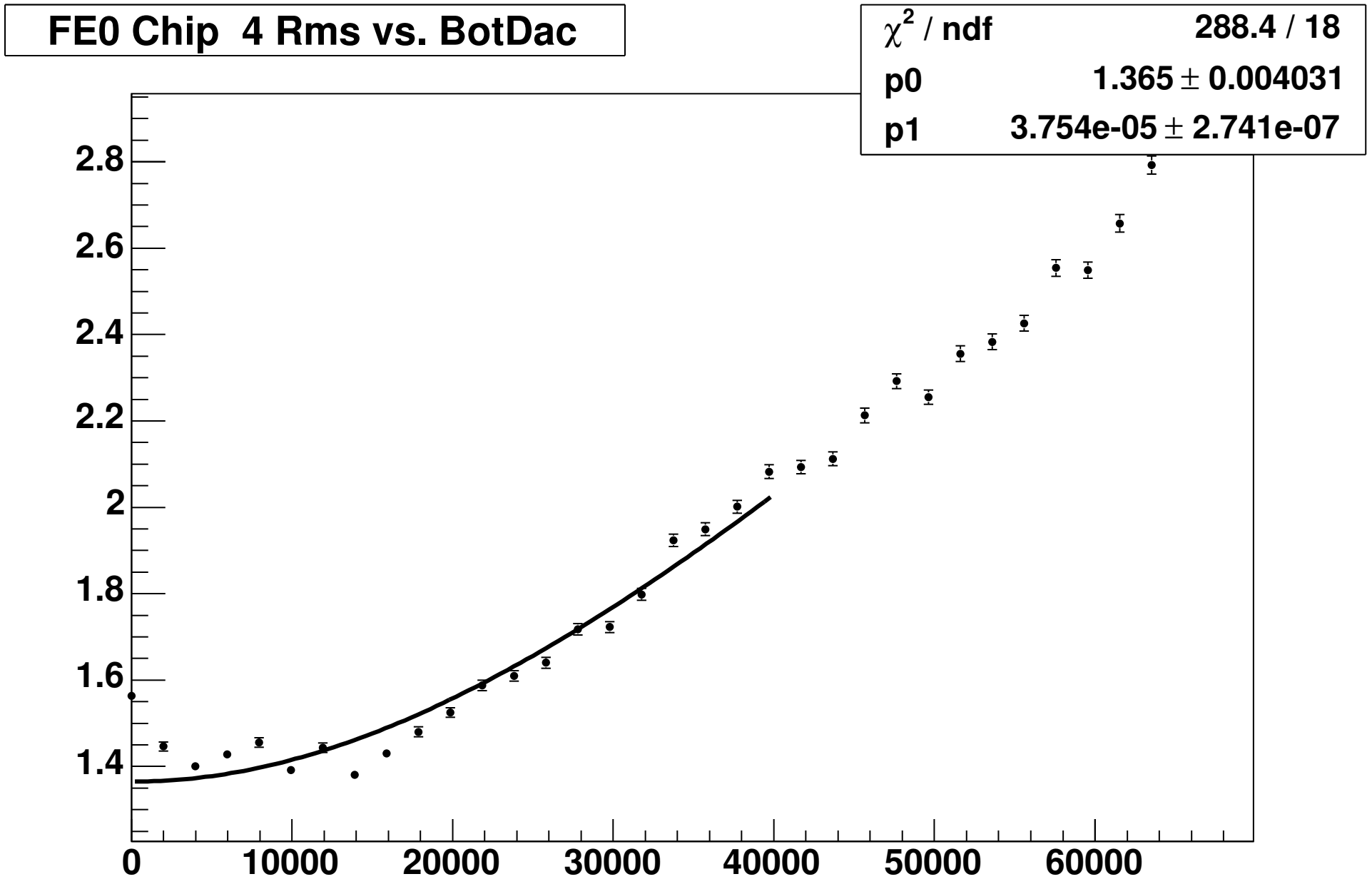
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 288.4 / 18
p0 1.365 ± 0.004031
p1 3.754e-05 ± 2.741e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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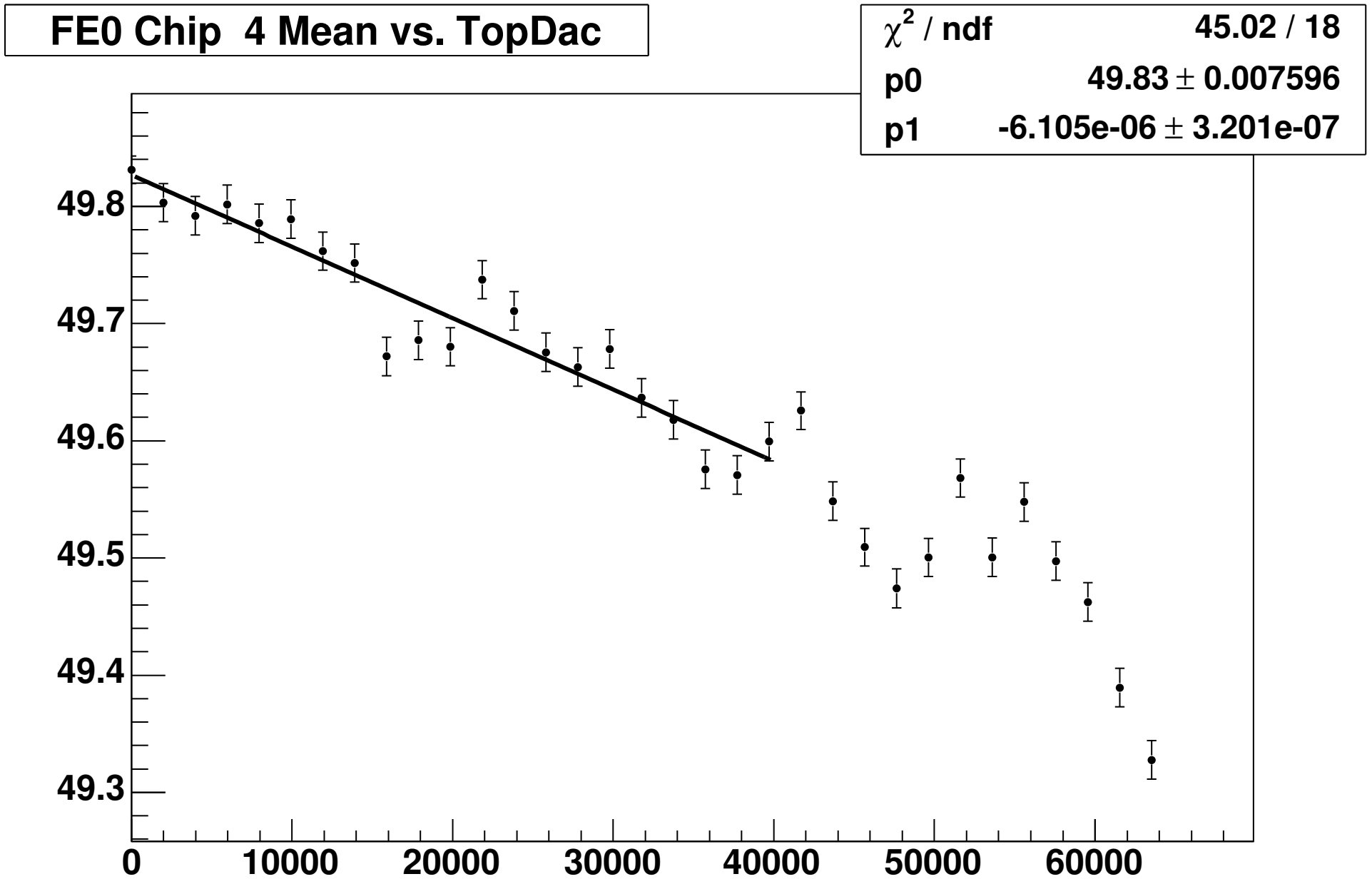
30000
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 45.02 / 18
p0 49.83 ± 0.007596
p1 -6.105e-06 ± 3.201e-07
49.8
49.7
49.6
49.5
49.4
49.3
0
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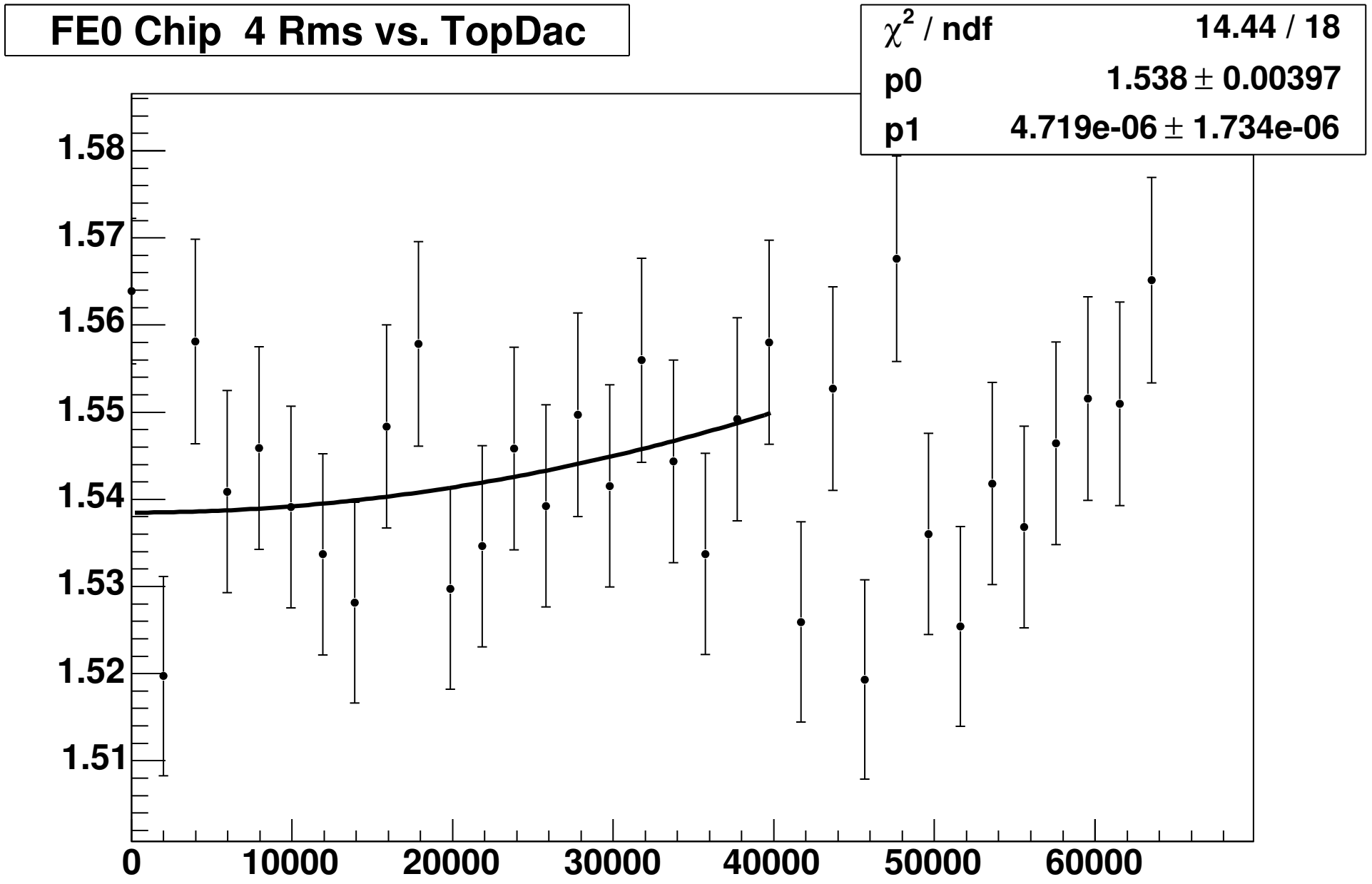
30000
40000
50000
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 14.44 / 18
p0 1.538 ± 0.00397
p1 4.719e-06 ± 1.734e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
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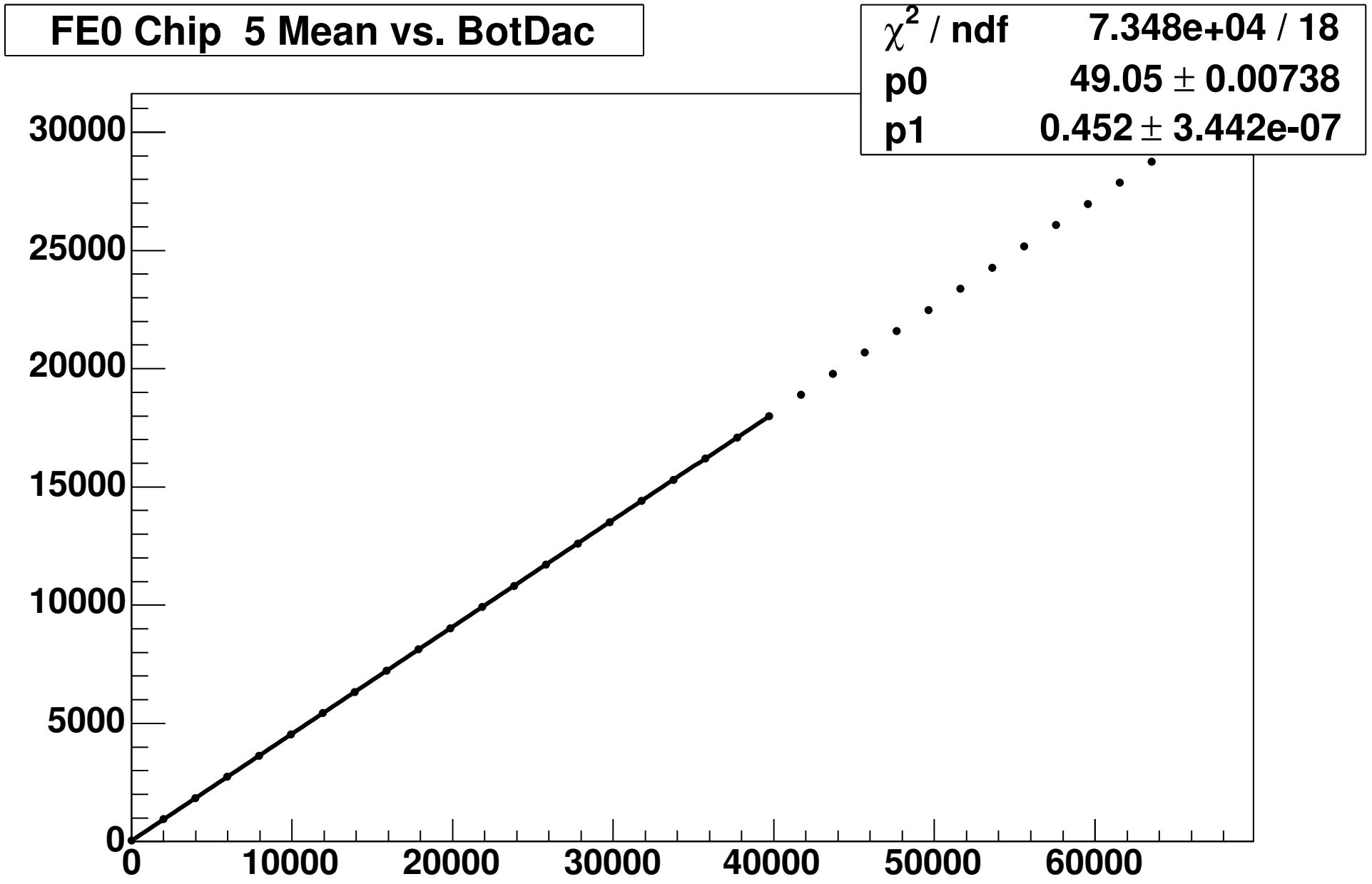
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 7.348e+04 / 18
p0 49.05 ± 0.00738
p1 0.452 ± 3.442e-07
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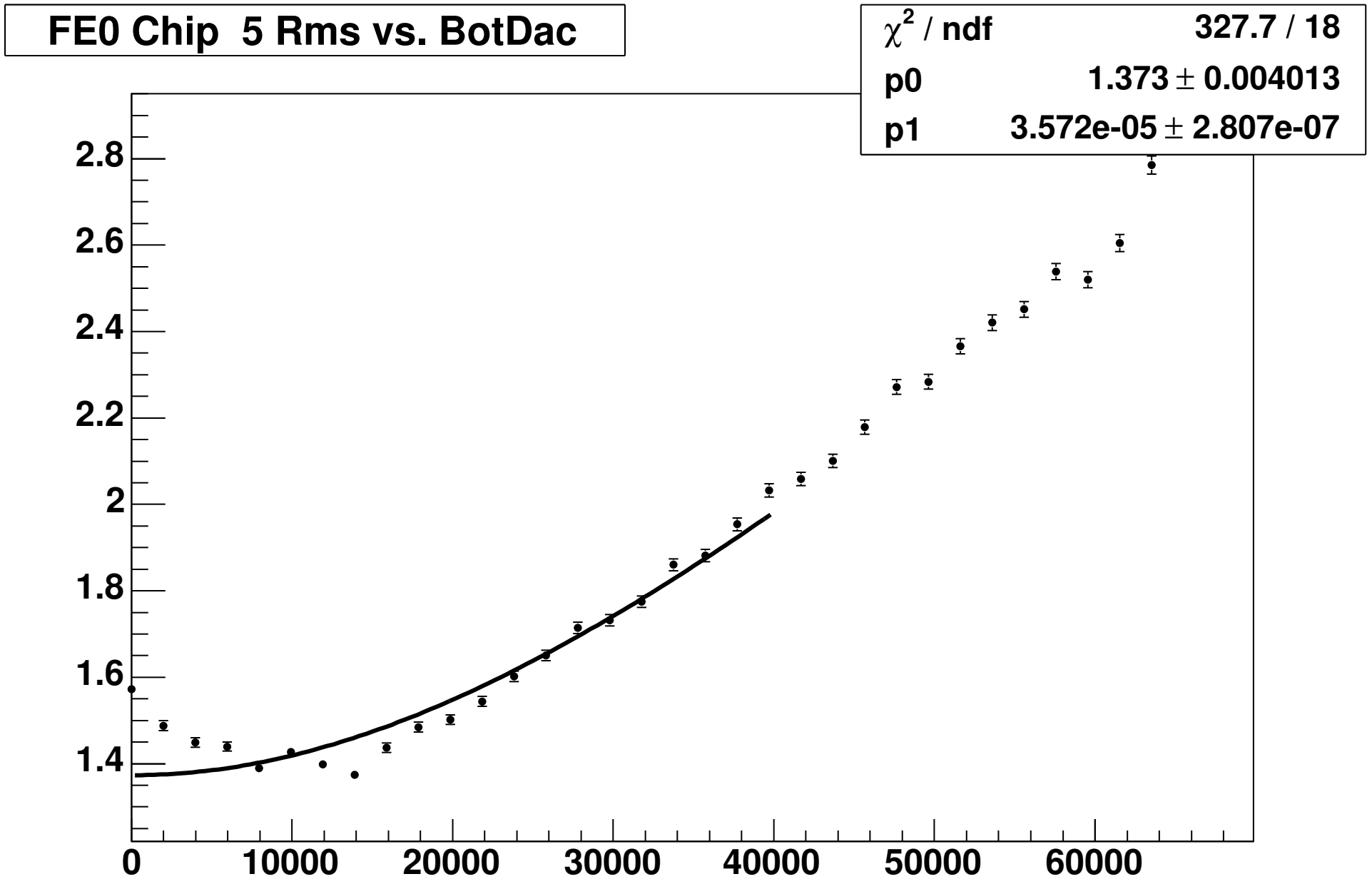
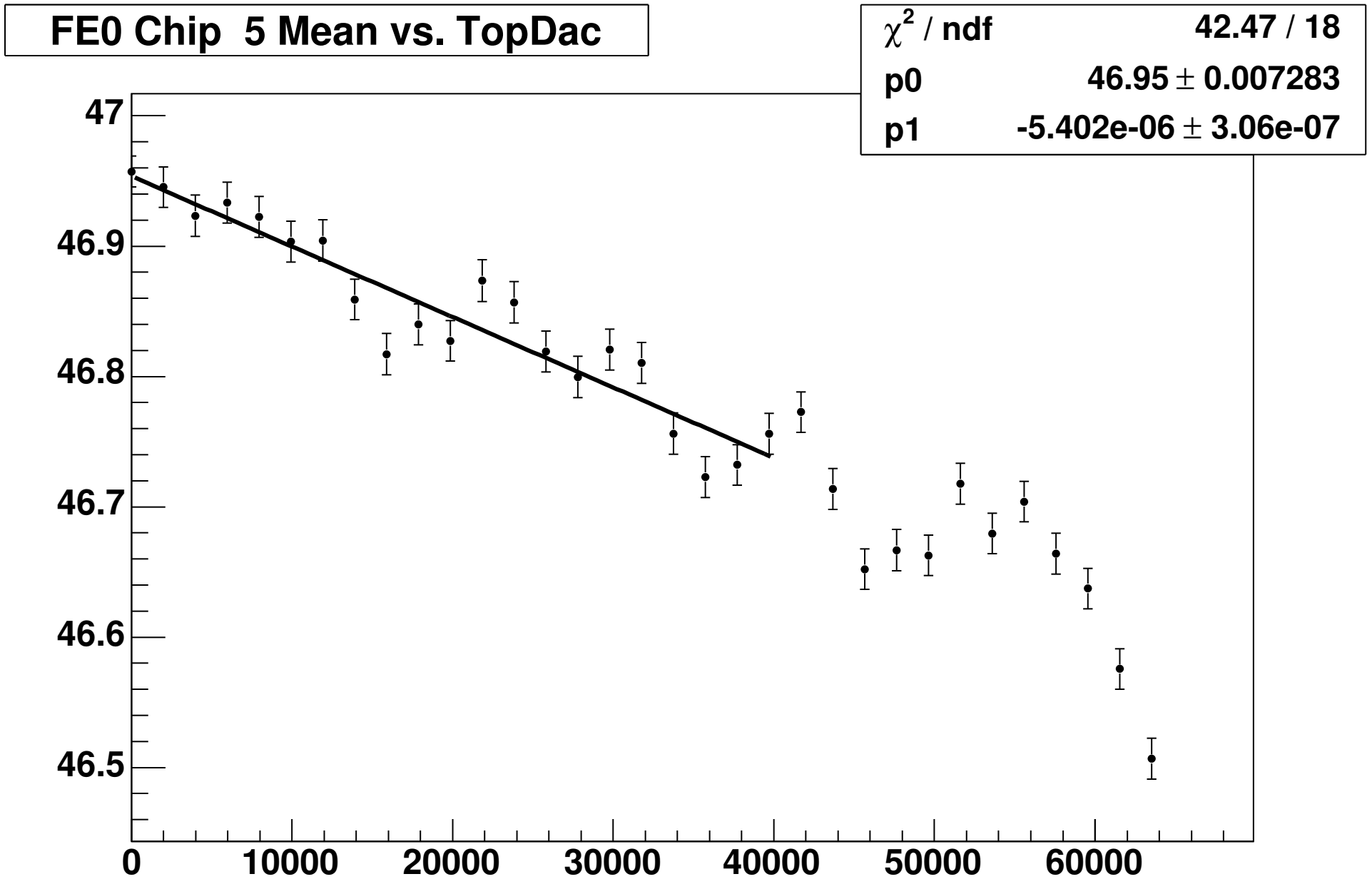
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 327.7 / 18
p0 1.373 ± 0.004013
p1 3.572e-05 ± 2.807e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 42.47 / 18
p0 46.95 ± 0.007283
p1 -5.402e-06 ± 3.06e-07
47
46.9
46.8
46.7
46.6
46.5
0
10000
20000
30000
40000
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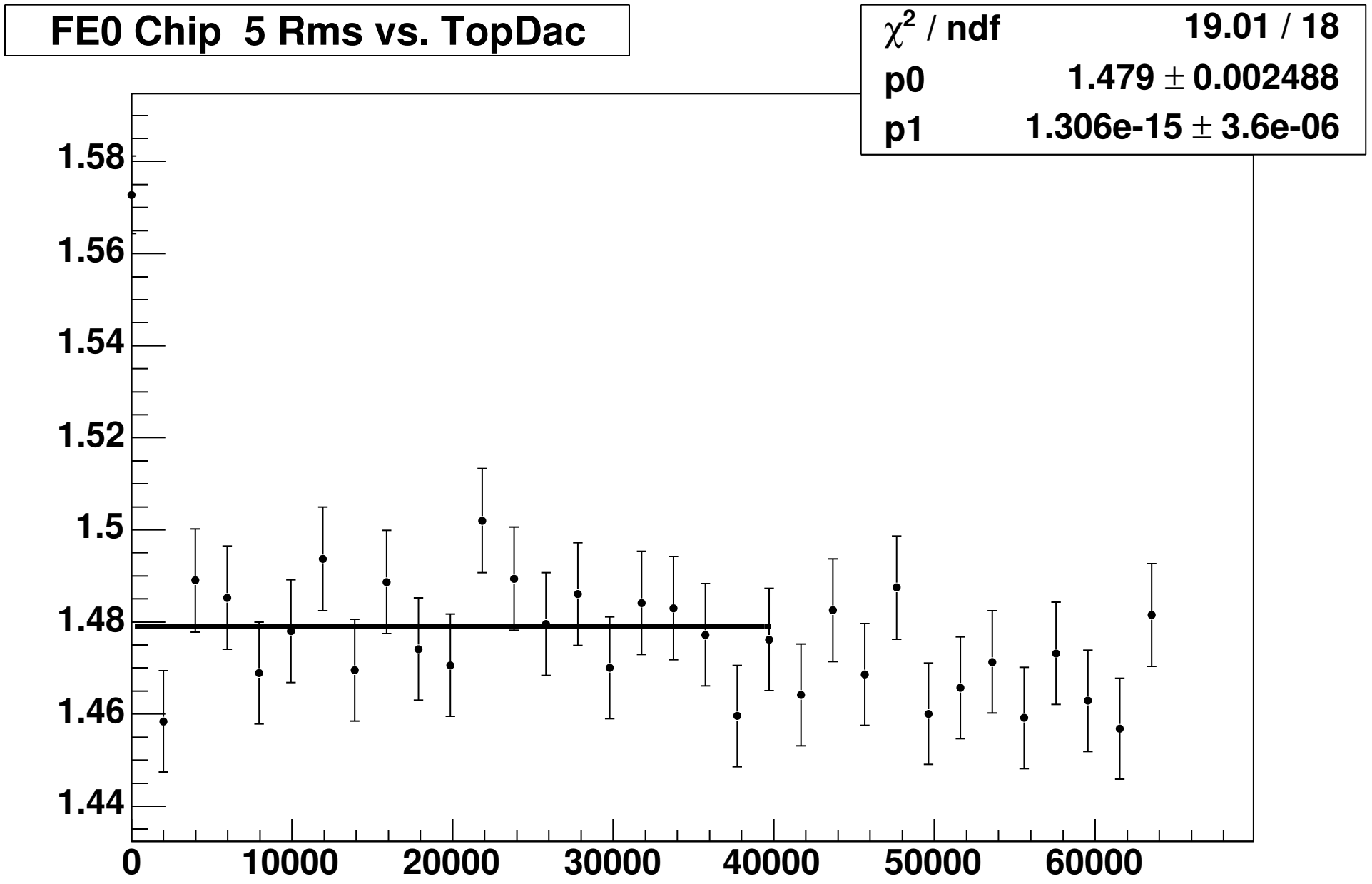
FE0 Chip 5 Rms vs. TopDac
χ² / ndf 19.01 / 18
p0 1.479 ± 0.002488
p1 1.306e-15 ± 3.6e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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10000
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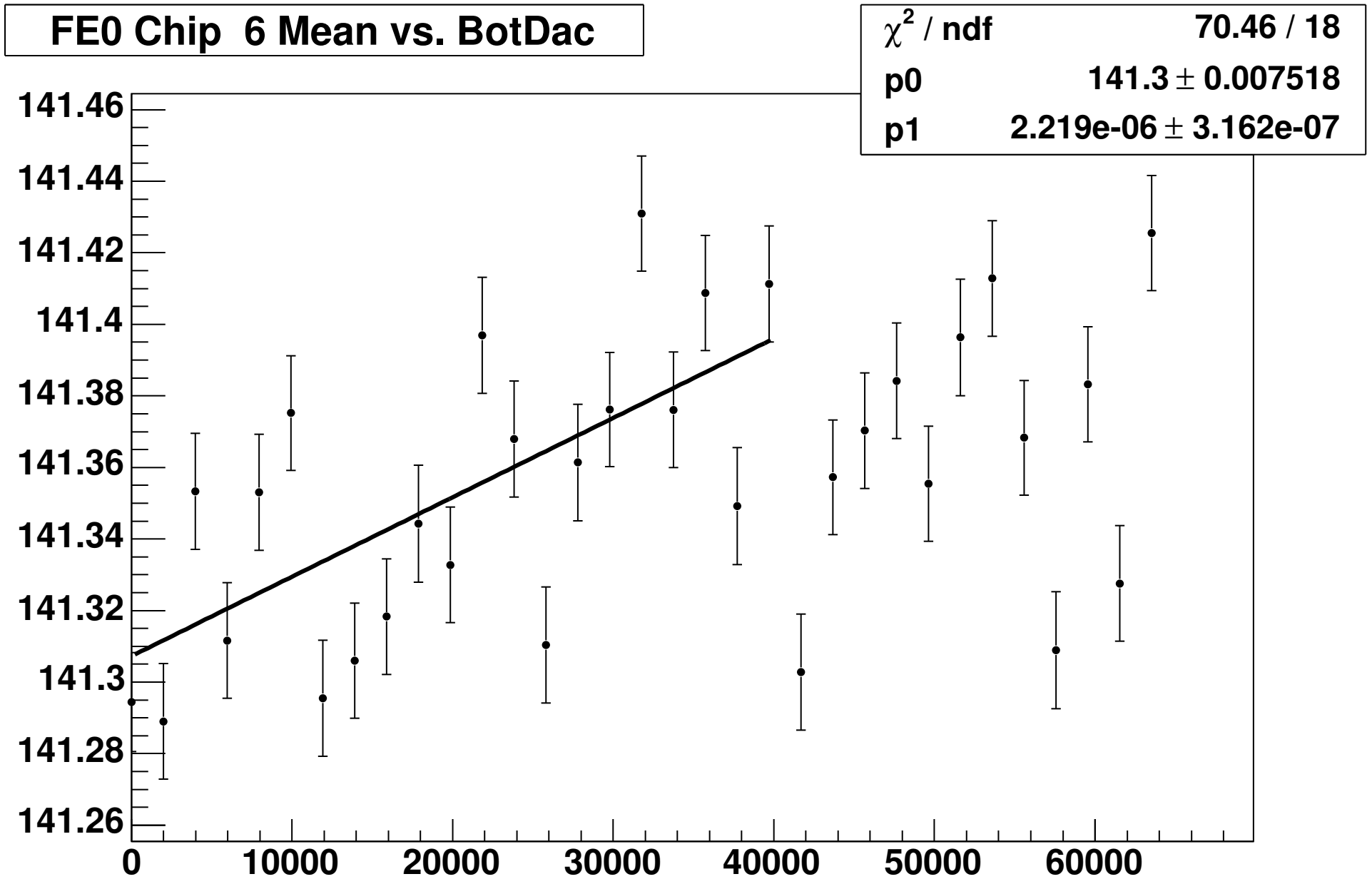
30000
40000
50000
60000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 70.46 / 18
p0 141.3 ± 0.007518
p1 2.219e-06 ± 3.162e-07
141.46
141.44
141.42
141.4
141.38
141.36
141.34
141.32
141.3
141.28
141.26
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10000
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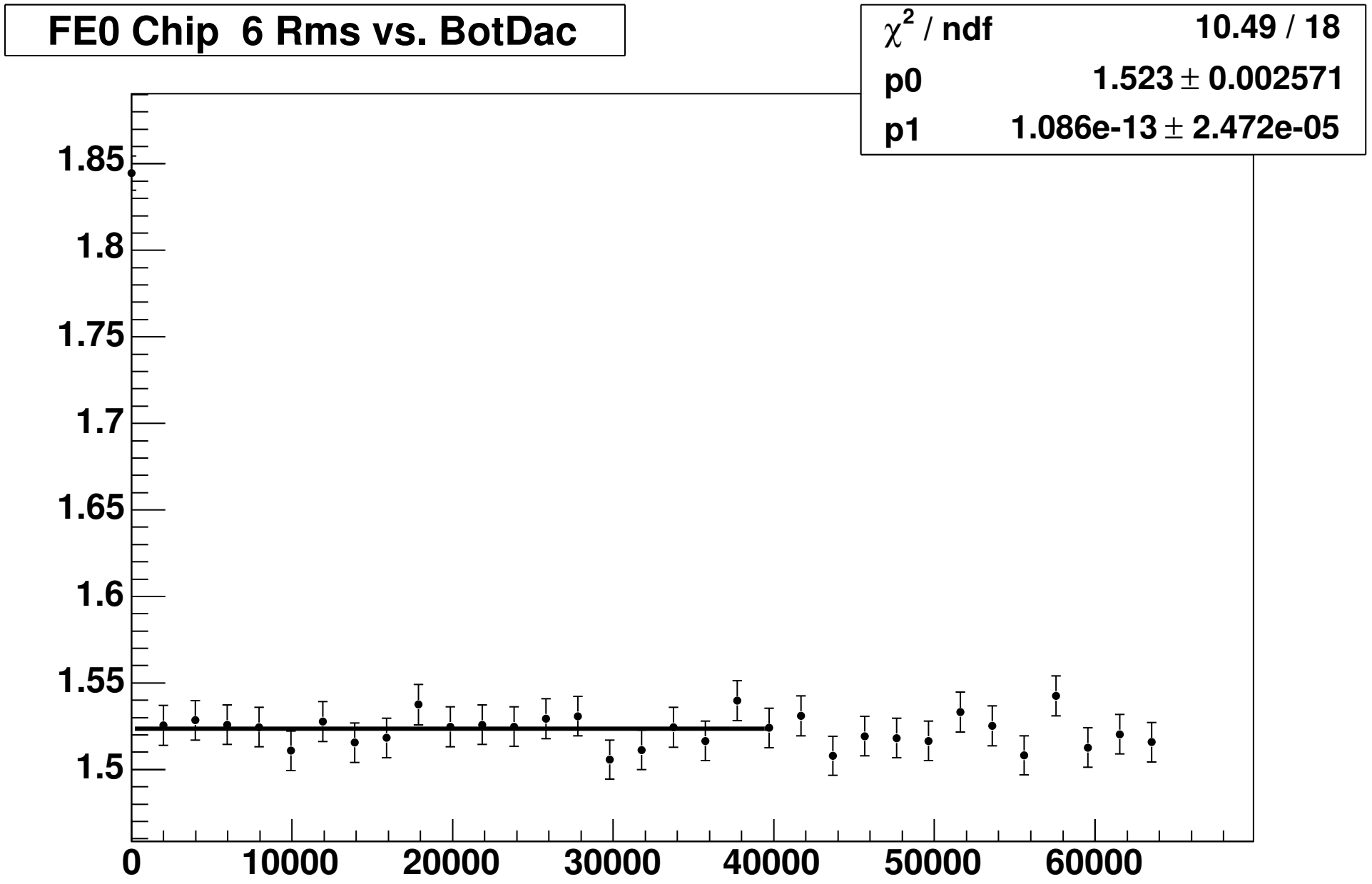
60000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 10.49 / 18
p0 1.523 ± 0.002571
p1 1.086e-13 ± 2.472e-05
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
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10000
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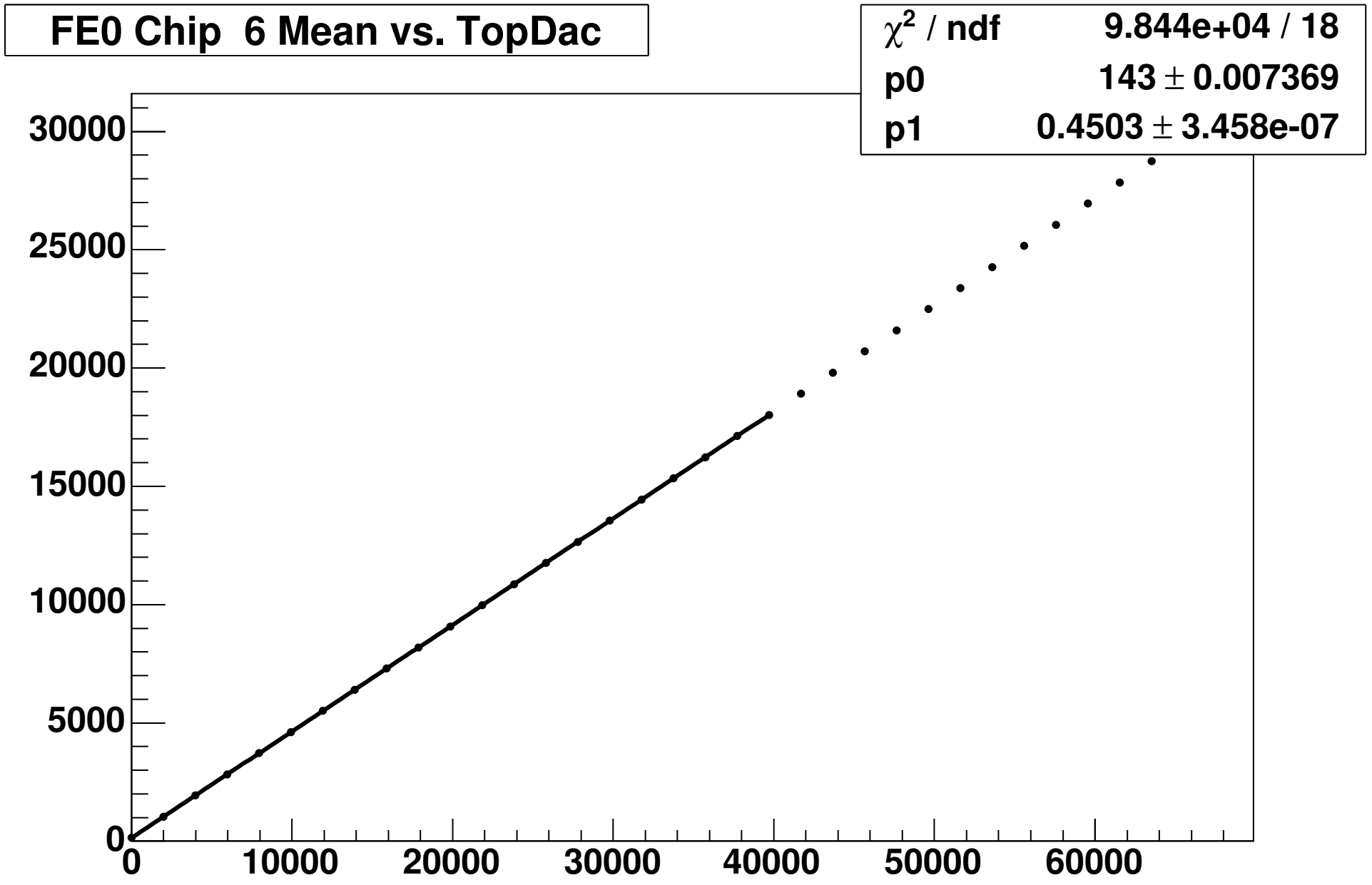
60000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 9.844e+04 / 18
p0 143 ± 0.007369
p1 0.4503 ± 3.458e-07
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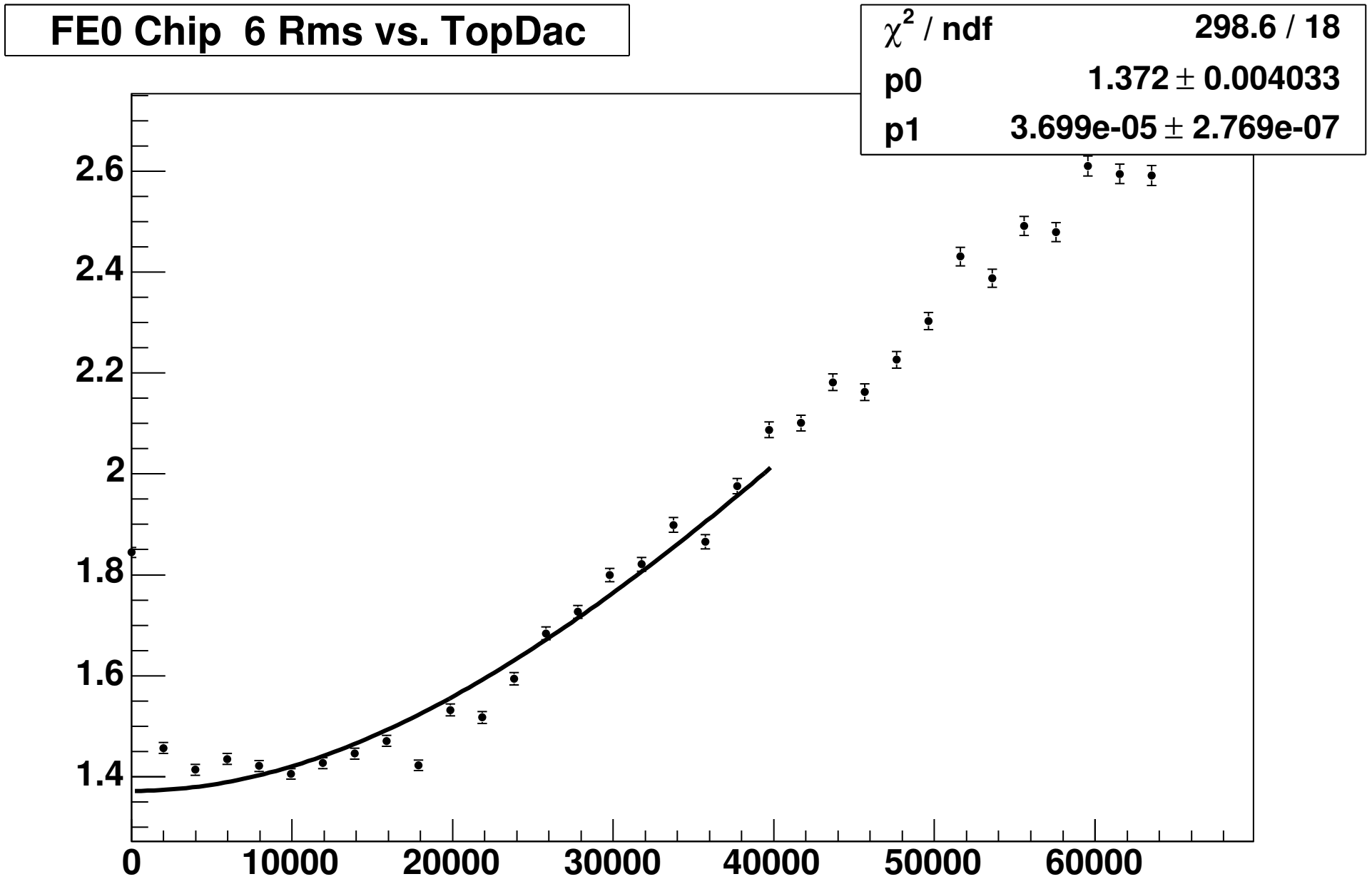
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 298.6 / 18
p0 1.372 ± 0.004033
p1 3.699e-05 ± 2.769e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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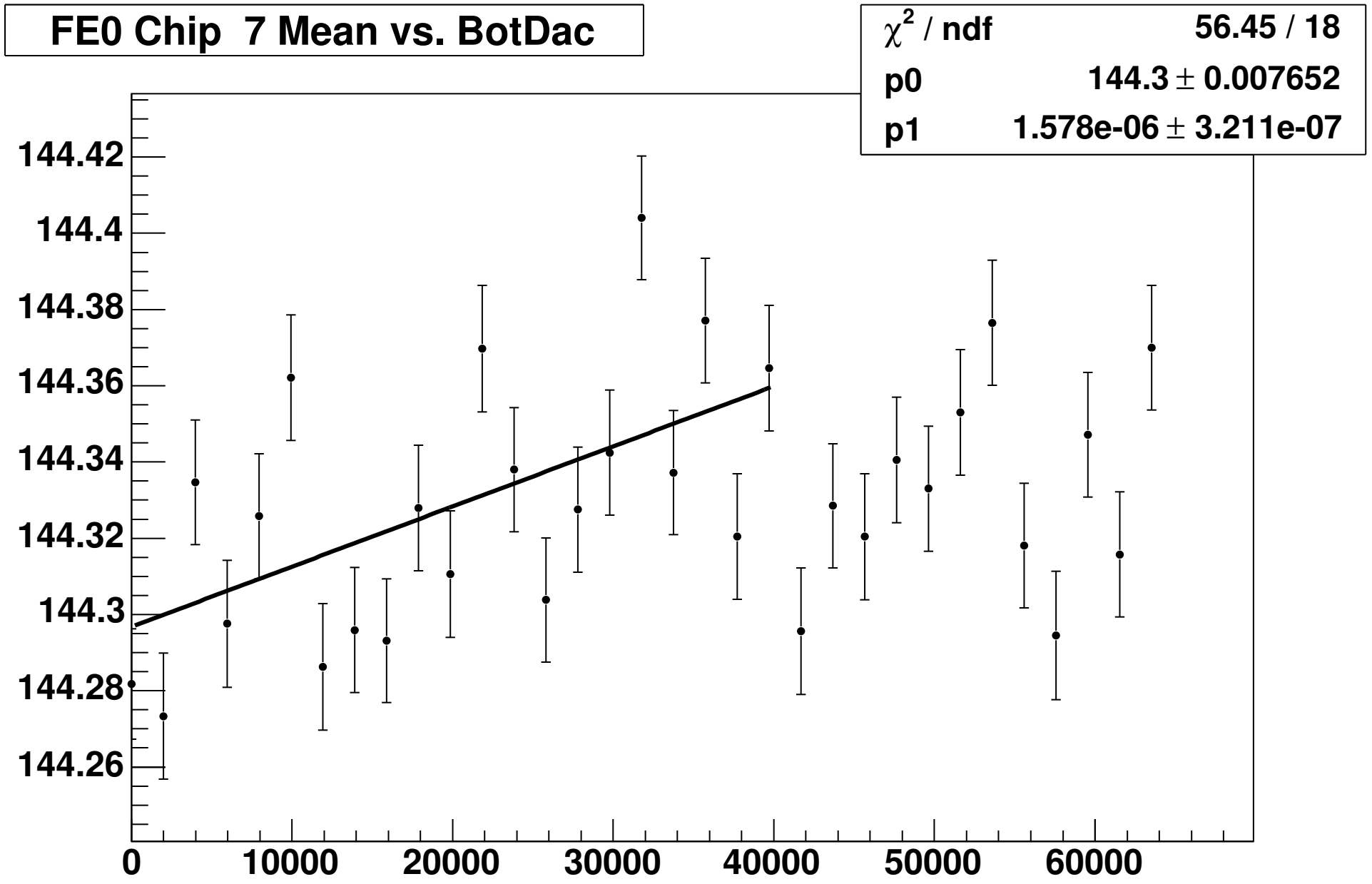
60000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 56.45 / 18
p0 144.3 ± 0.007652
p1 1.578e-06 ± 3.211e-07
144.42
144.4
144.38
144.36
144.34
144.32
144.3
144.28
144.26
0
10000
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30000
40000
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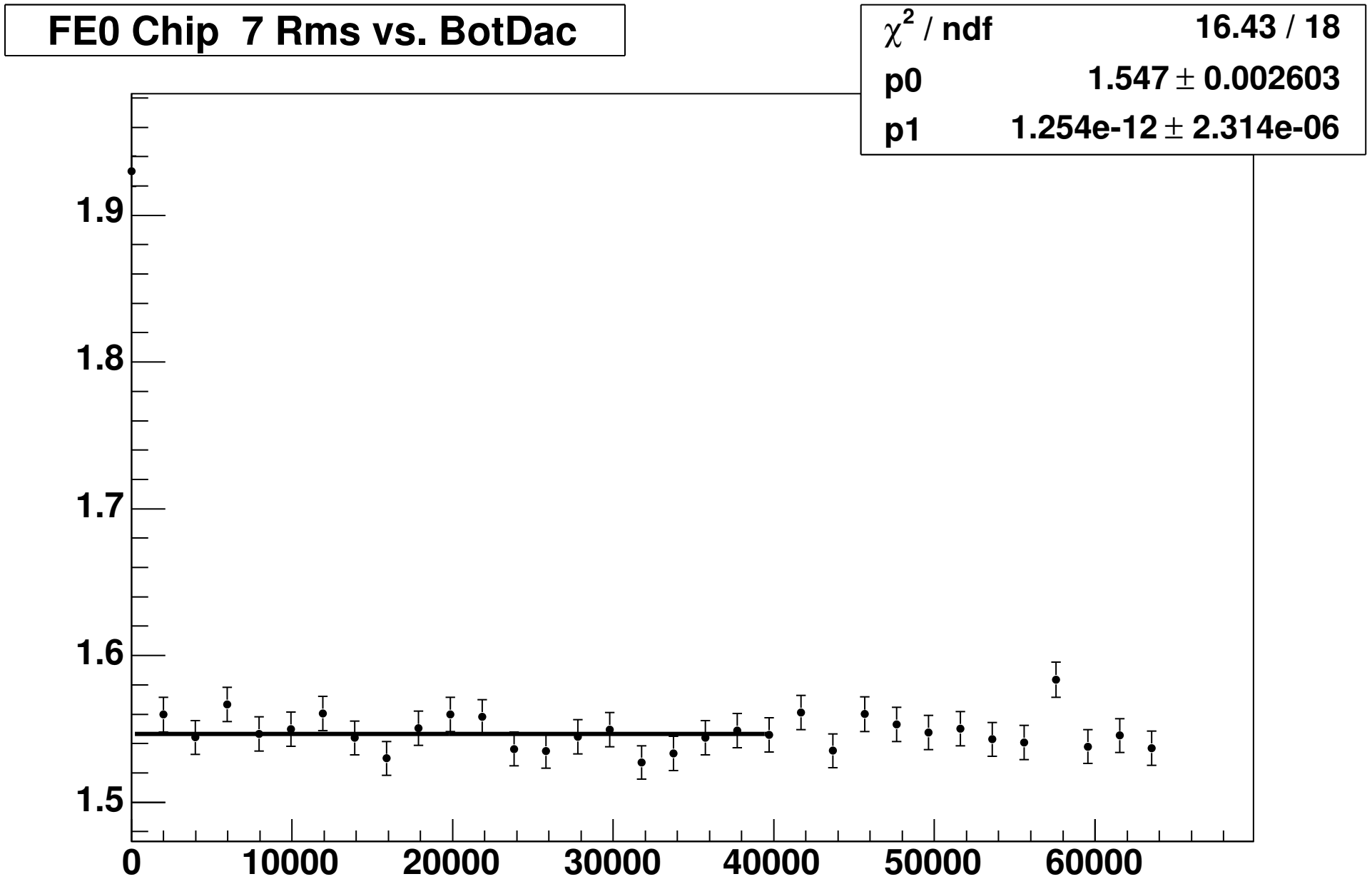
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 16.43 / 18
p0 1.547 ± 0.002603
p1 1.254e-12 ± 2.314e-06
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1.8
1.7
1.6
1.5
0
10000
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30000
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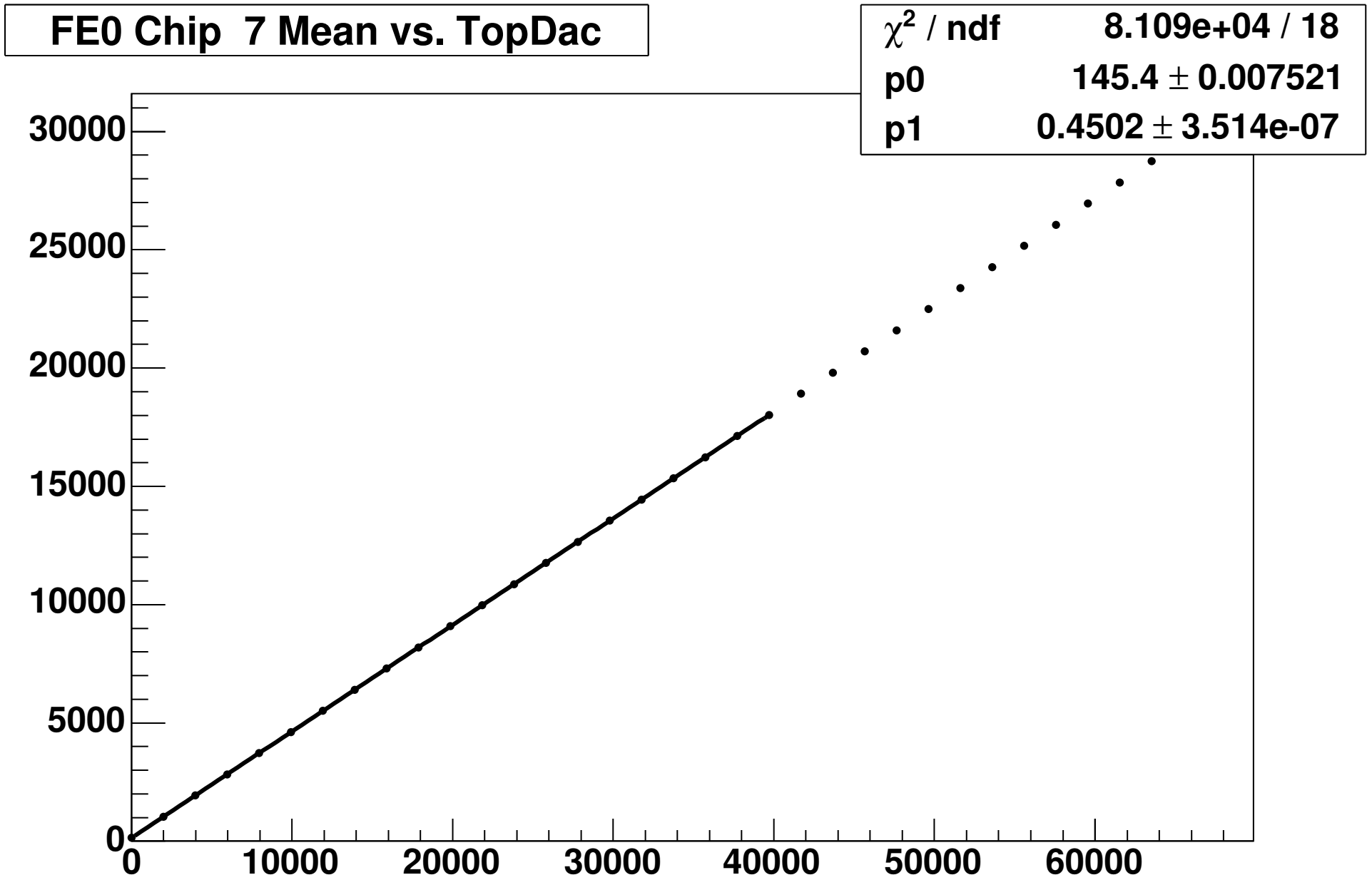
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 8.109e+04 / 18
p0 145.4 ± 0.007521
p1 0.4502 ± 3.514e-07
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25000
20000
15000
10000
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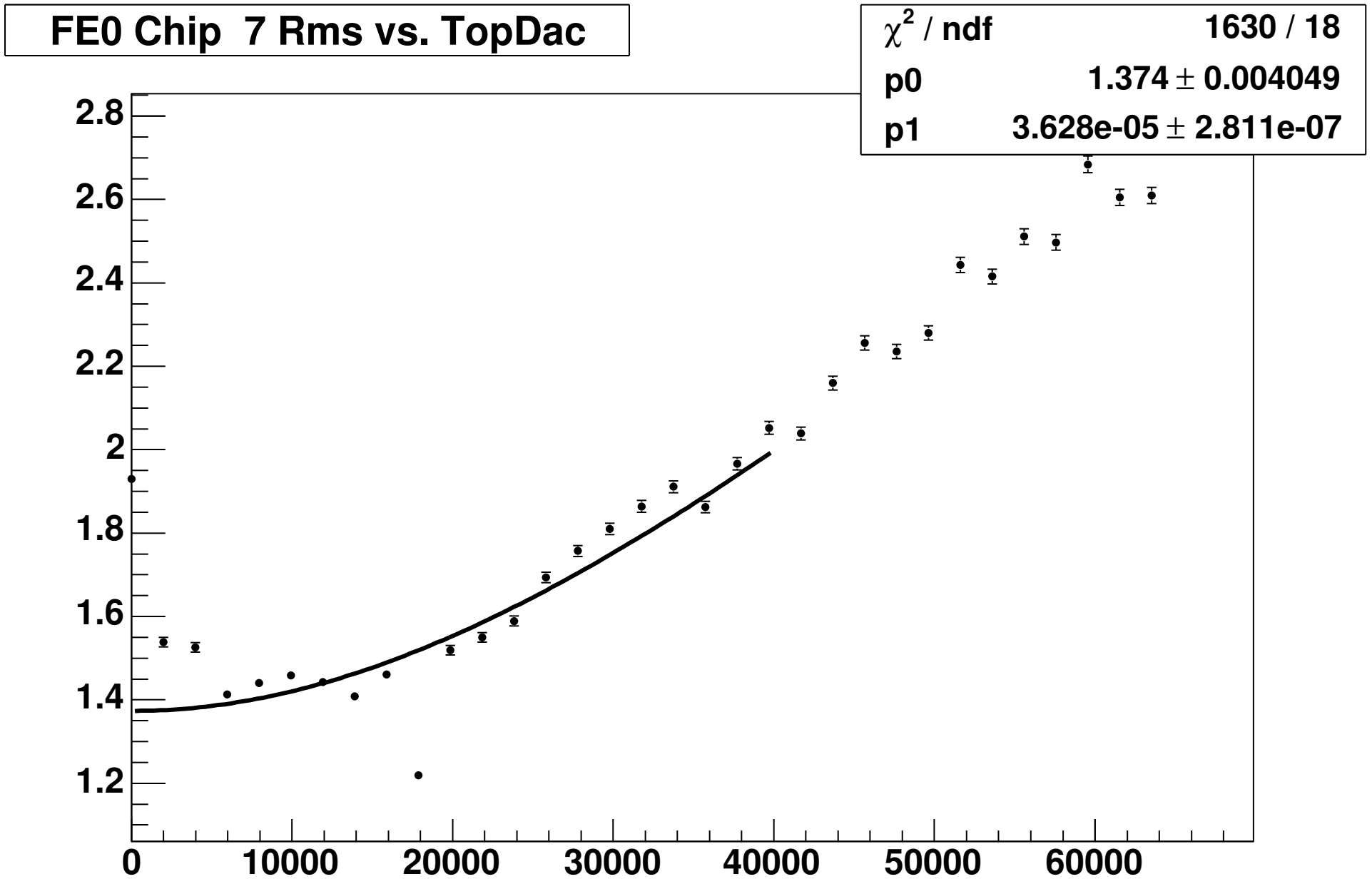
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1630 / 18
p0 1.374 ± 0.004049
p1 3.628e-05 ± 2.811e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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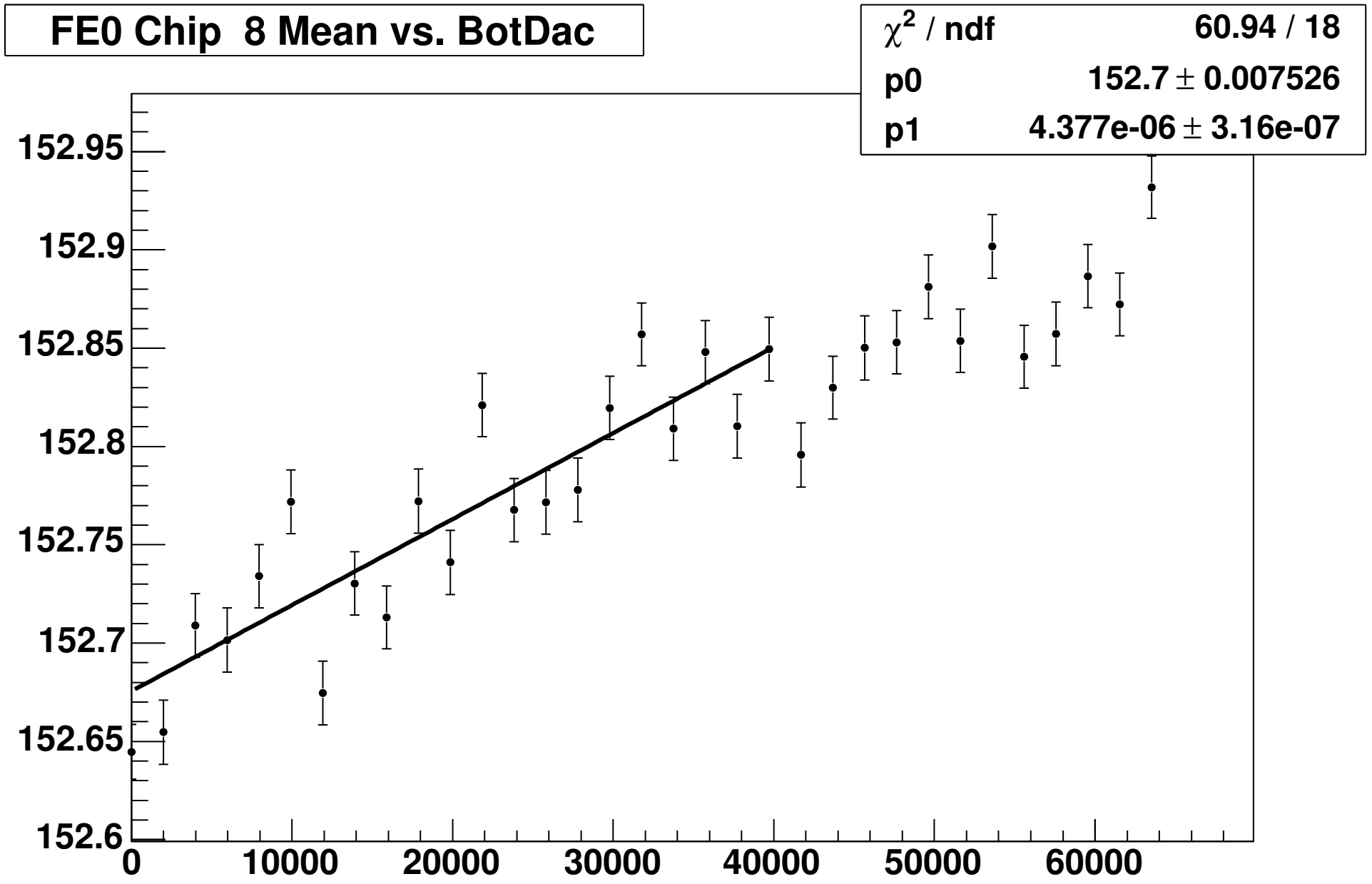
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 60.94 / 18
p0 152.7 ± 0.007526
p1 4.377e-06 ± 3.16e-07
152.95
152.9
152.85
152.8
152.75
152.7
152.65
152.6
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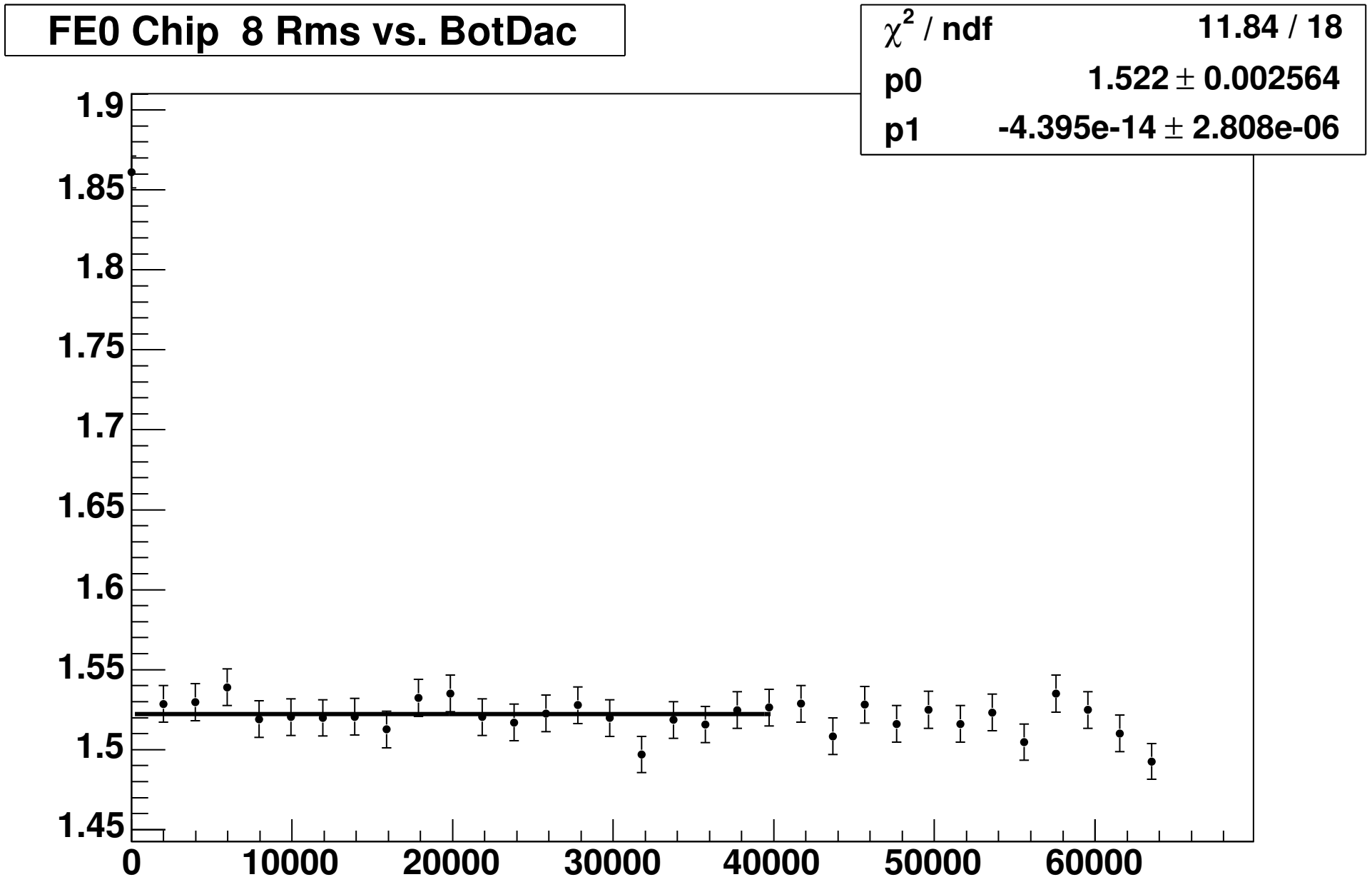
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 11.84 / 18
p0 1.522 ± 0.002564
p1 -4.395e-14 ± 2.808e-06
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
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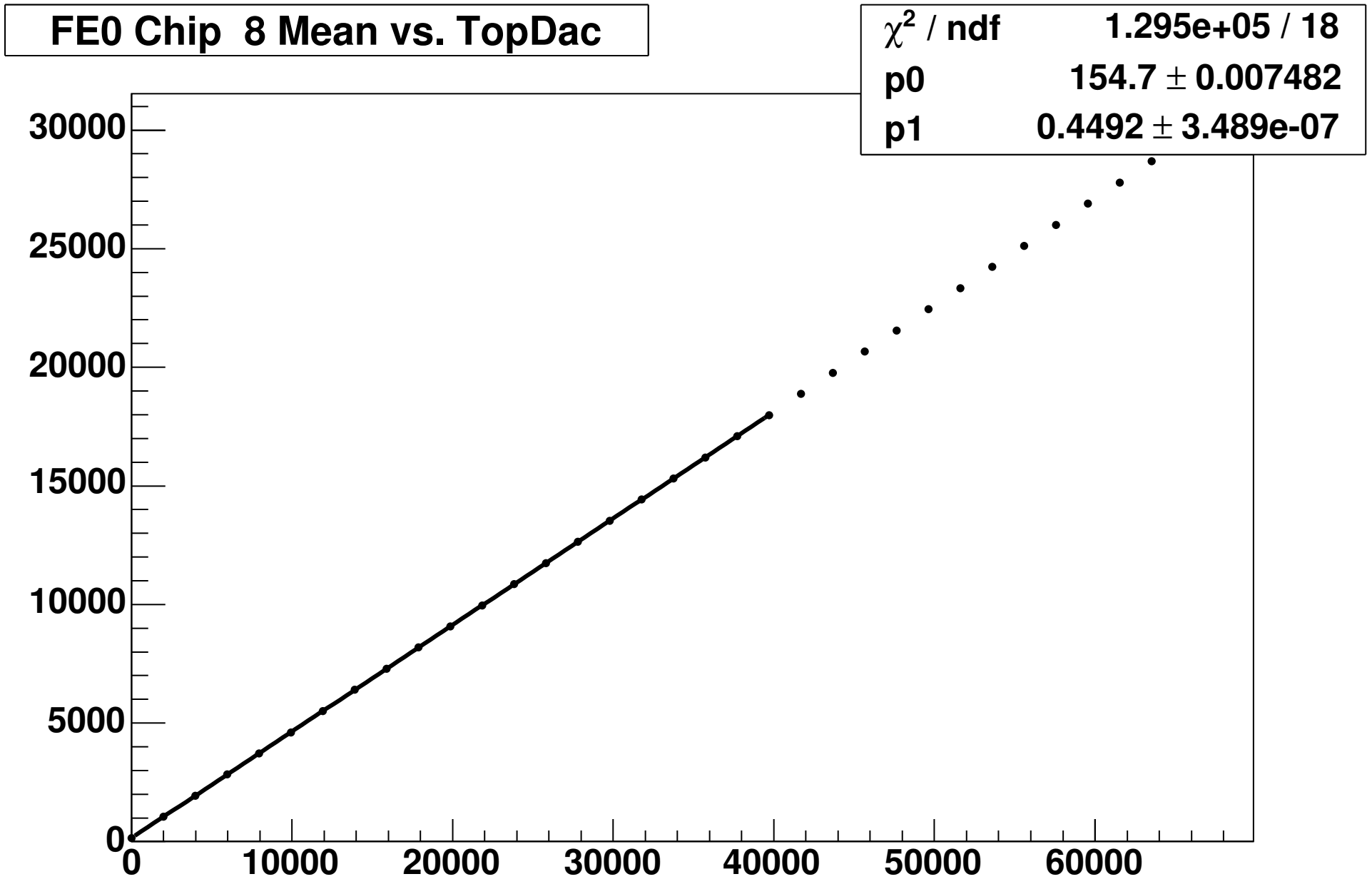
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.295e+05 / 18
p0 154.7 ± 0.007482
p1 0.4492 ± 3.489e-07
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5000
0
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10000
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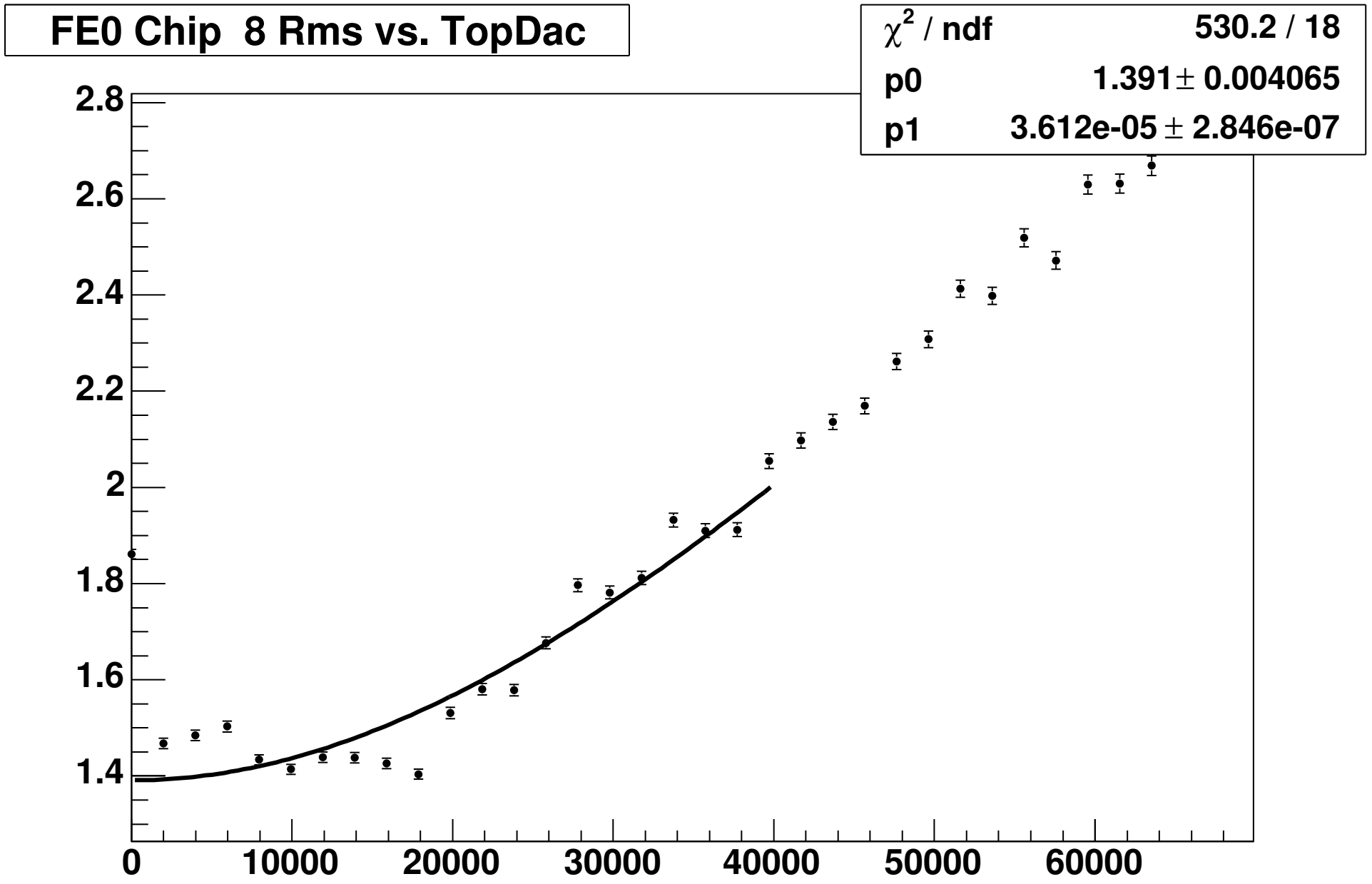
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 530.2 / 18
p0 1.391 ± 0.004065
p1 3.612e-05 ± 2.846e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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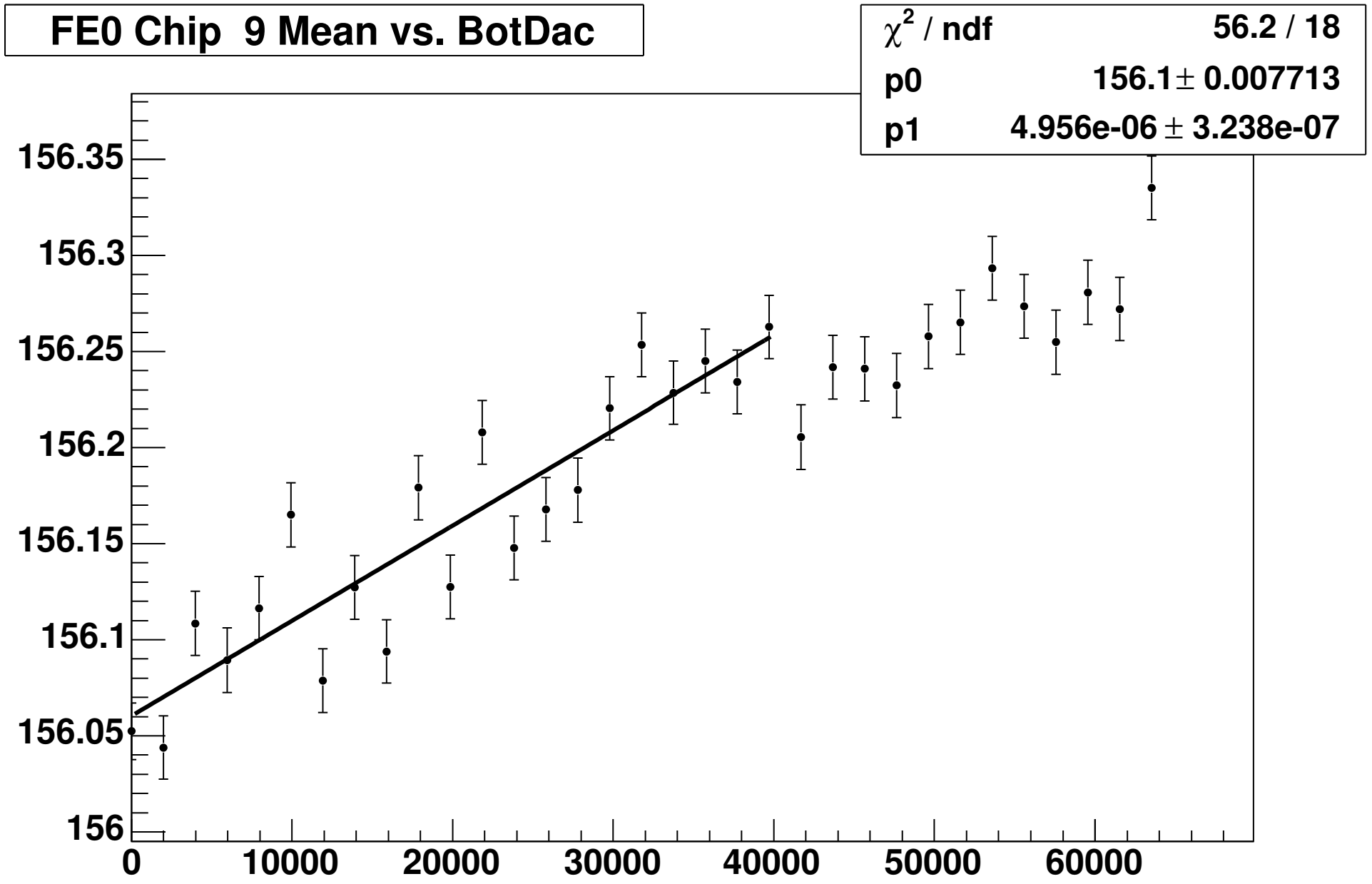
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 56.2 / 18
p0 156.1 ± 0.007713
p1 4.956e-06 ± 3.238e-07
156.35
156.3
156.25
156.2
156.15
156.1
156.05
156
0
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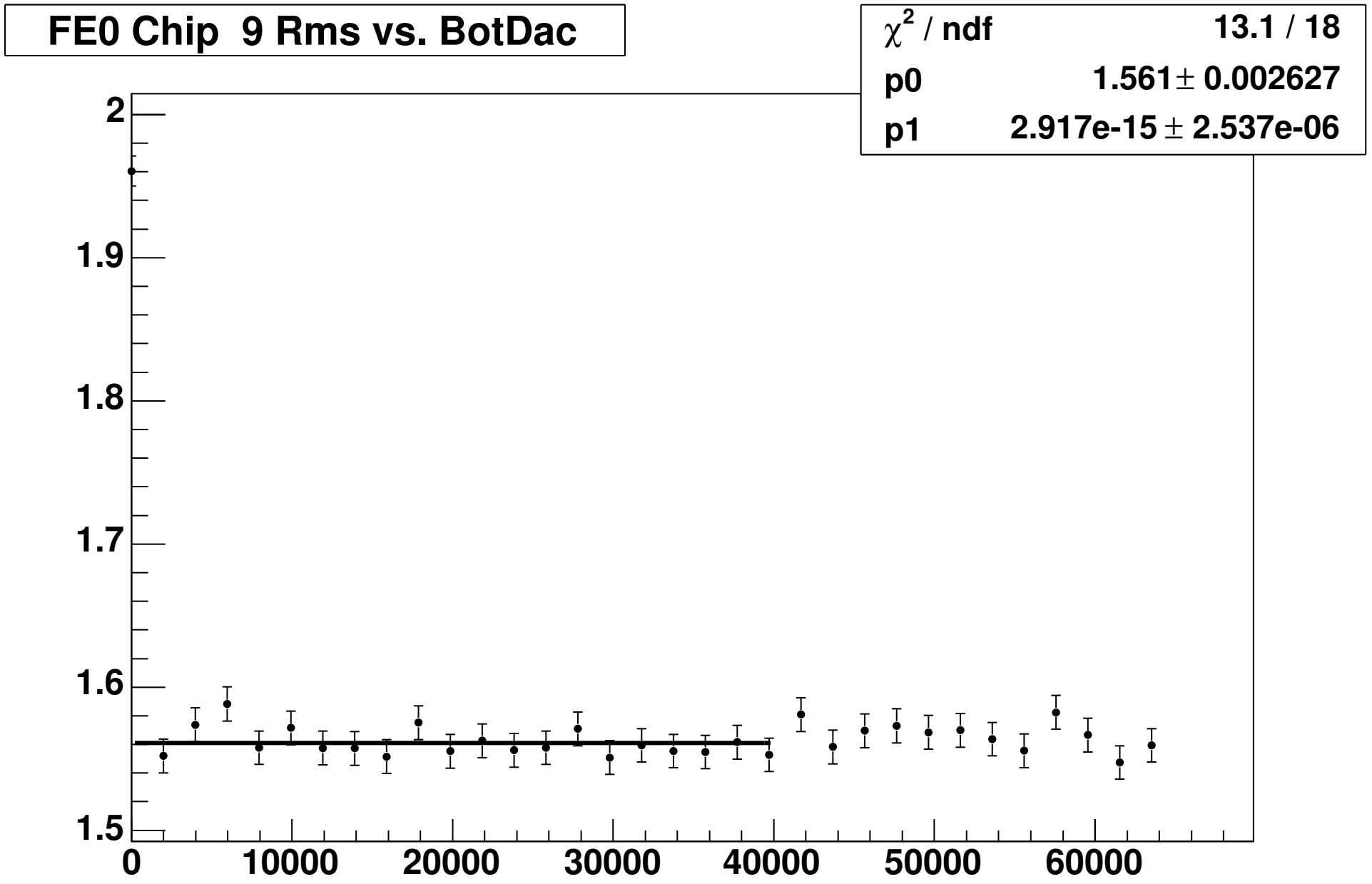
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 13.1 / 18
p0 1.561 ± 0.002627
p1 2.917e-15 ± 2.537e-06
2
1.9
1.8
1.7
1.6
1.5
0
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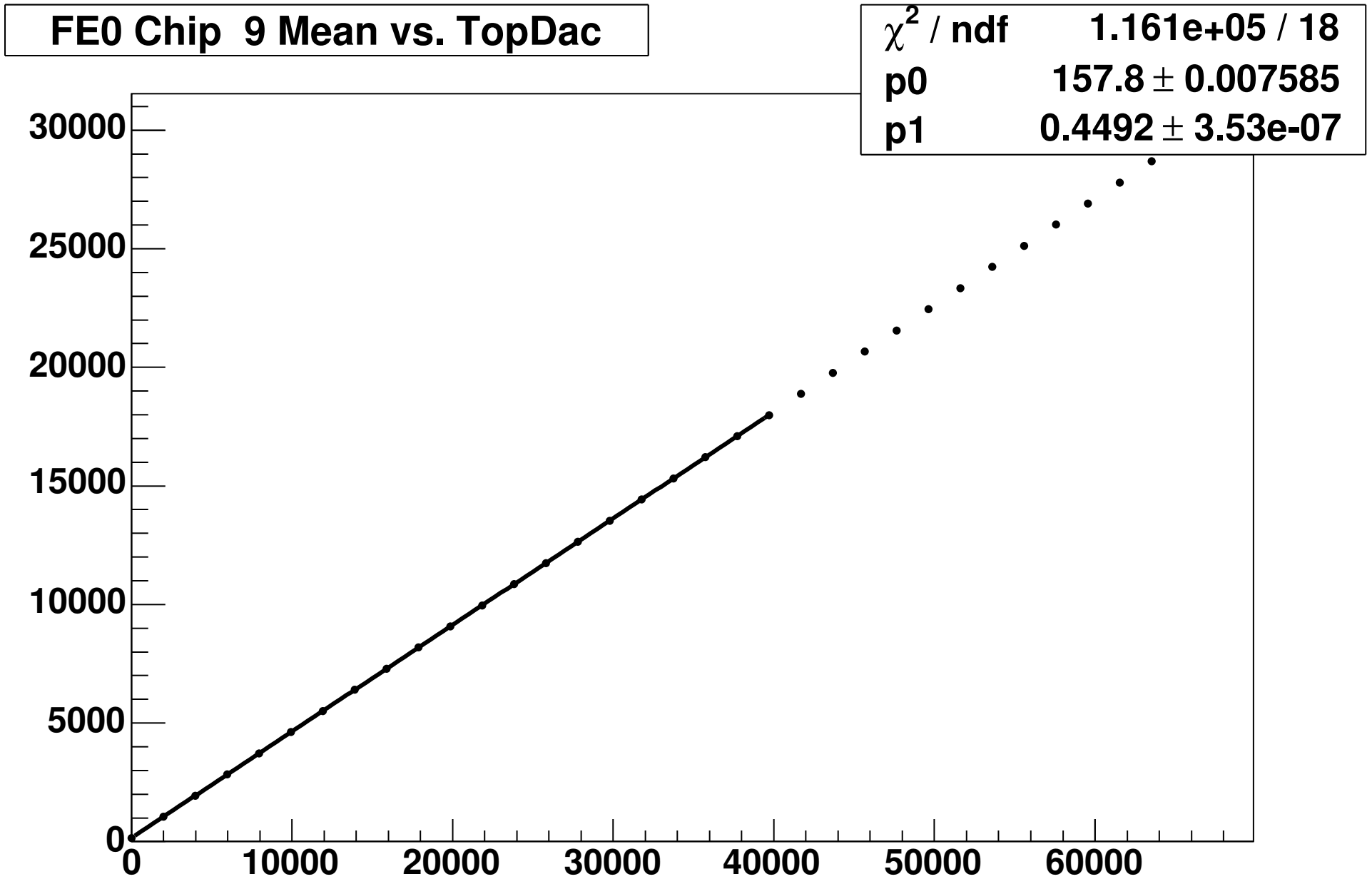
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.161e+05 / 18
p0 157.8 ± 0.007585
p1 0.4492 ± 3.53e-07
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25000
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15000
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5000
0
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10000
20000
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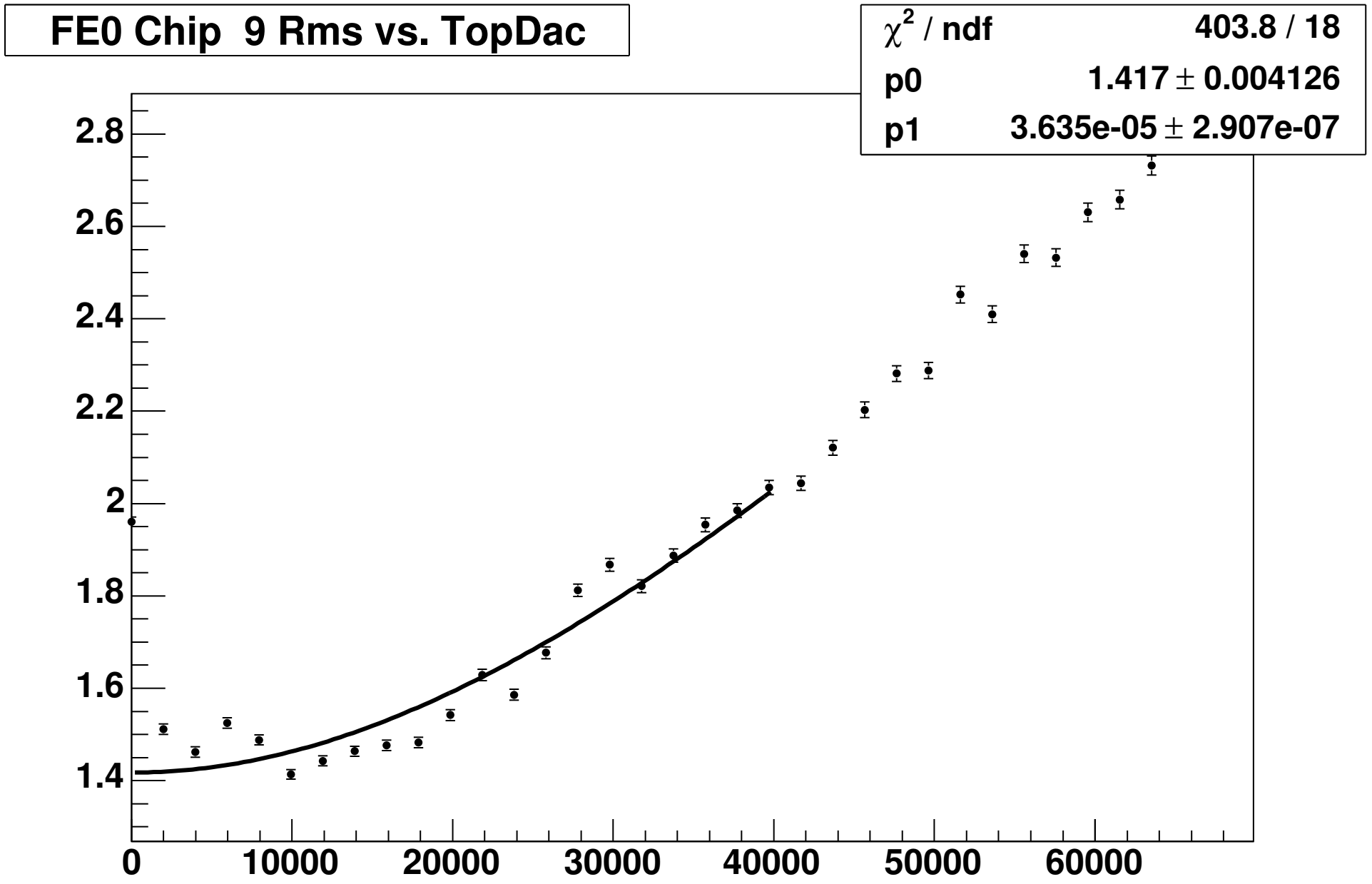
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 403.8 / 18
p0 1.417 ± 0.004126
p1 3.635e-05 ± 2.907e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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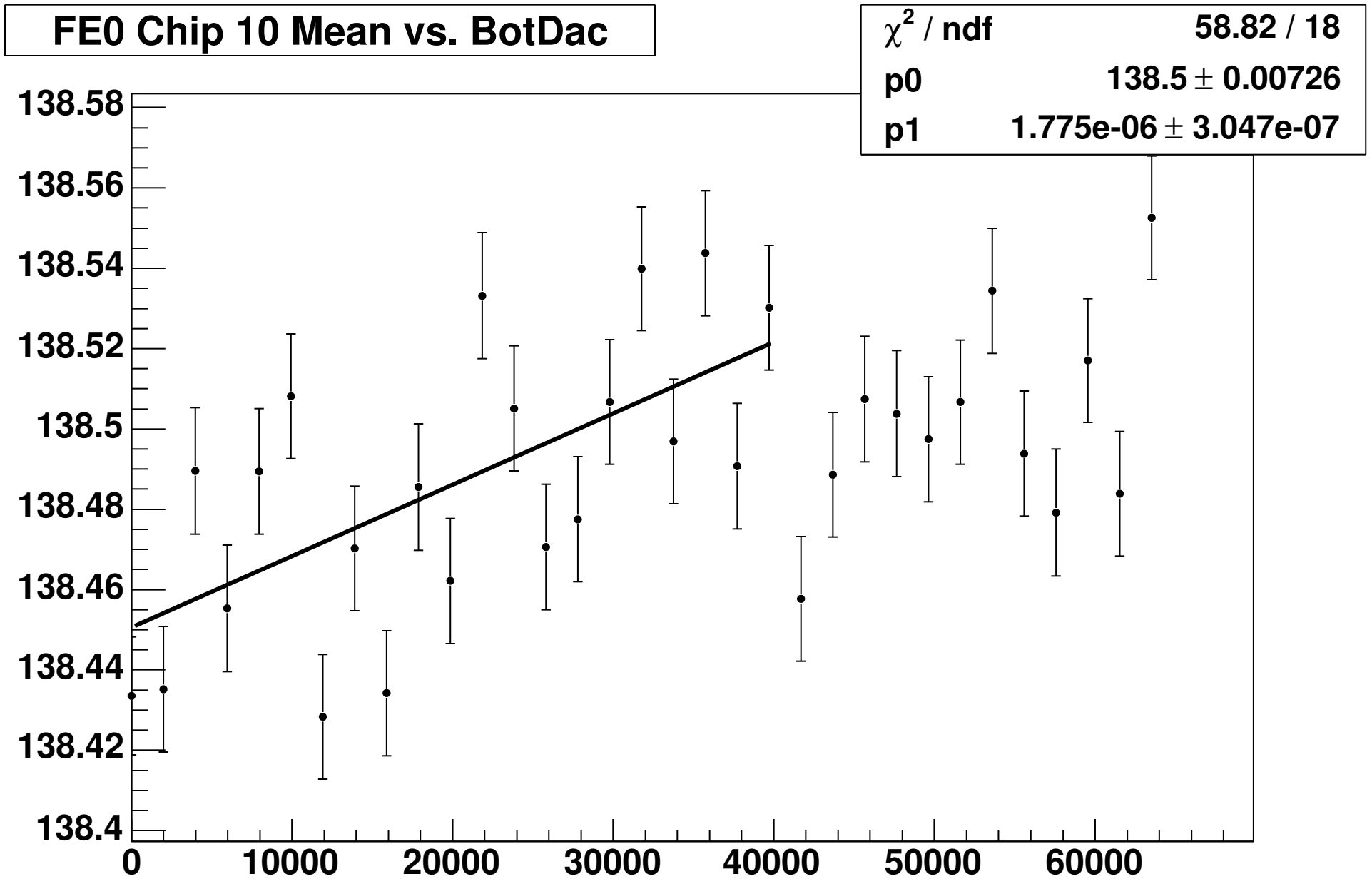
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 58.82 / 18
p0 138.5 ± 0.00726
p1 1.775e-06 ± 3.047e-07
138.58
138.56
138.54
138.52
138.5
138.48
138.46
138.44
138.42
138.4
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10000
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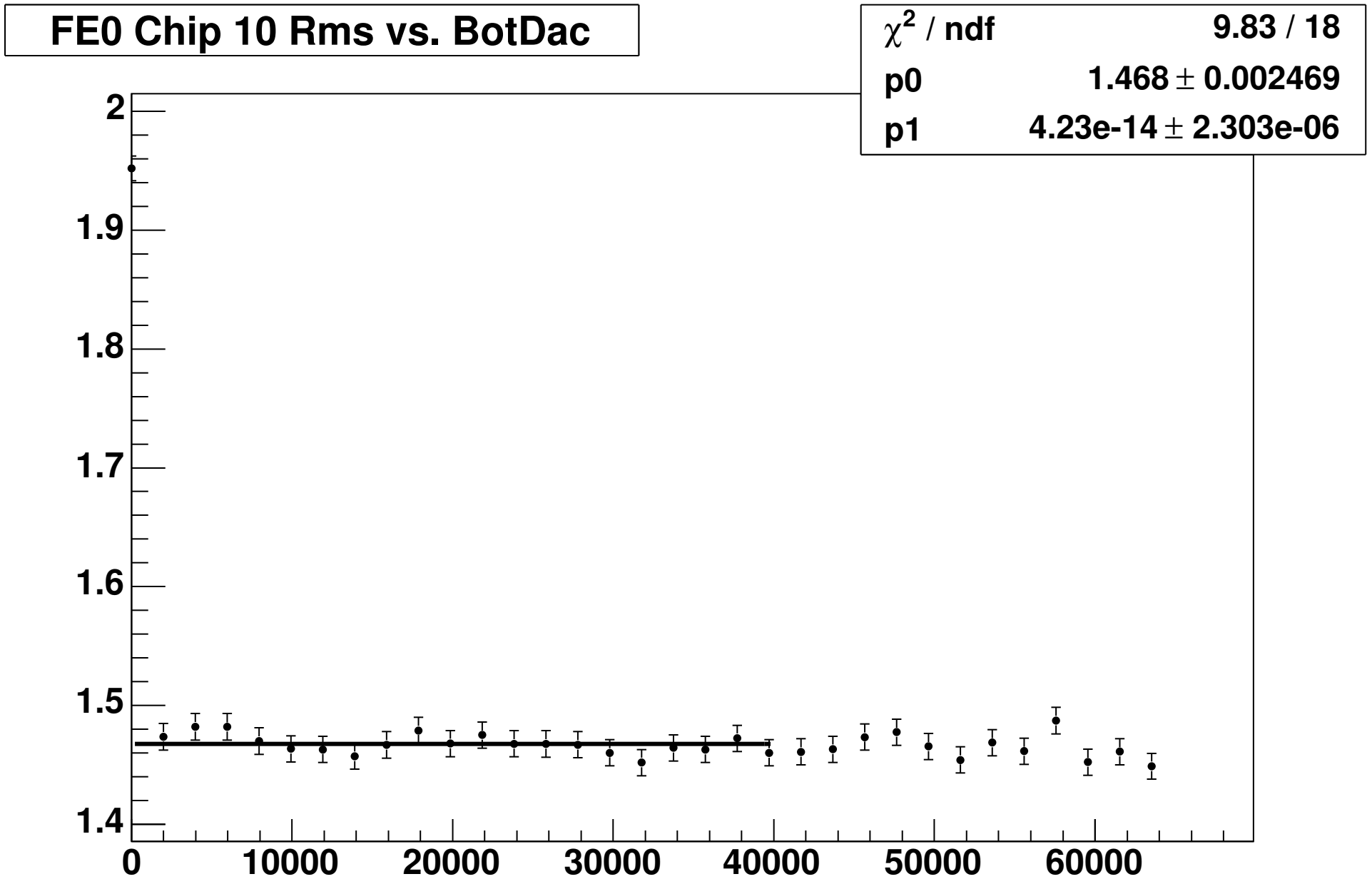
FE0 Chip 10 Rms vs. BotDac
χ² / ndf 9.83 / 18
p0 1.468 ± 0.002469
p1 4.23e-14 ± 2.303e-06
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
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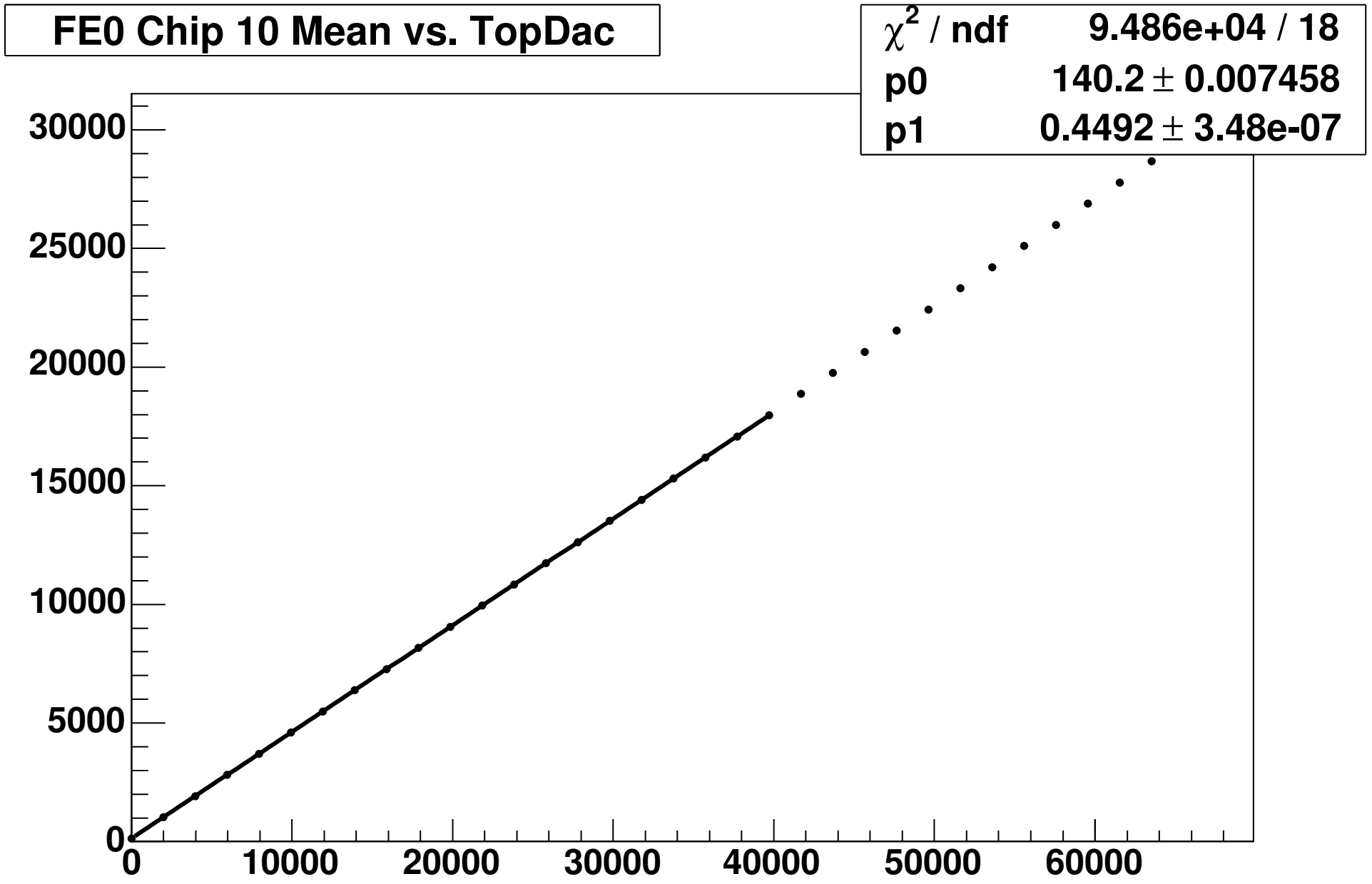
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 9.486e+04 / 18
p0 140.2 ± 0.007458
p1 0.4492 ± 3.48e-07
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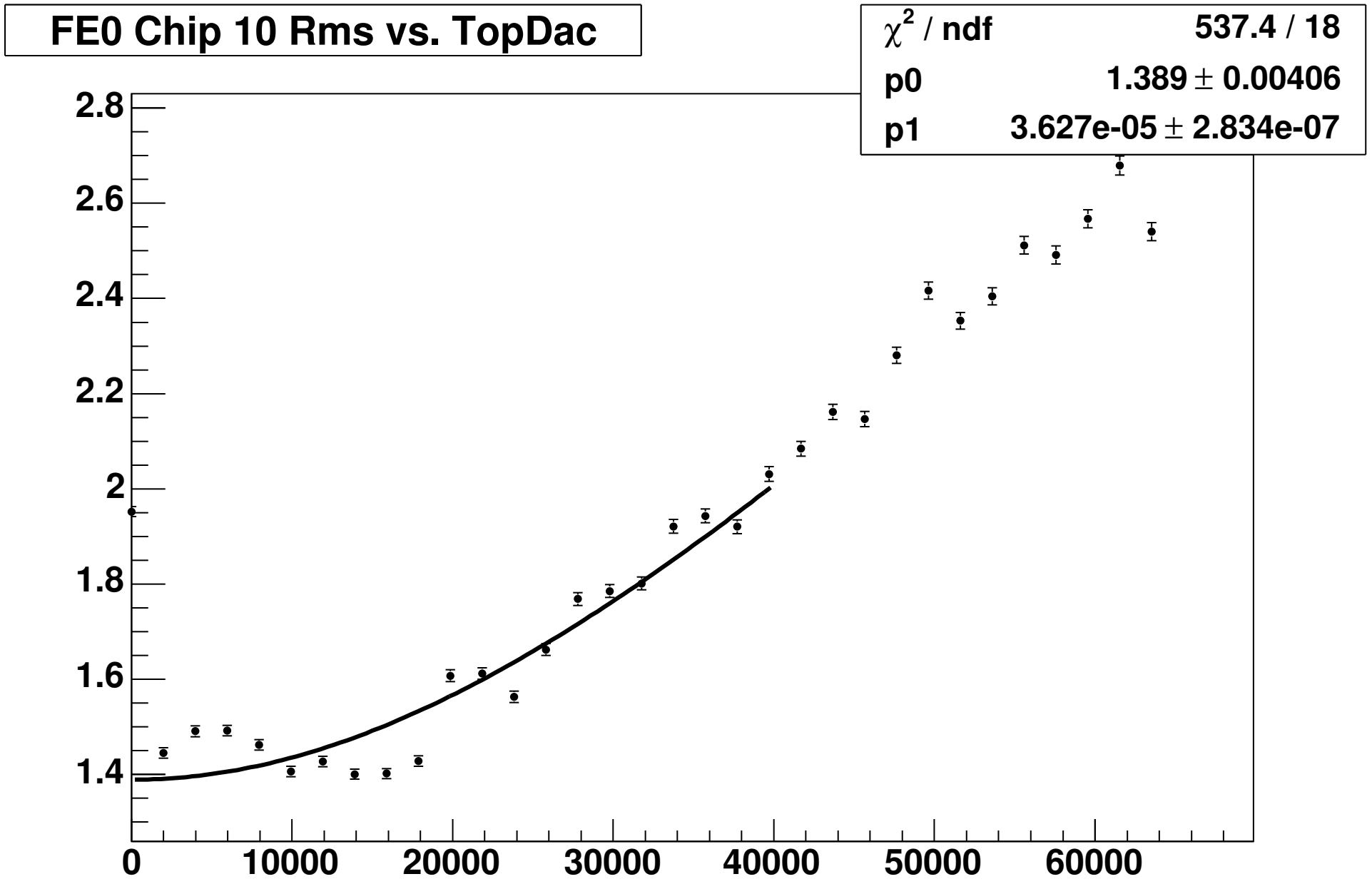
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 537.4 / 18
p0 1.389 ± 0.00406
p1 3.627e-05 ± 2.834e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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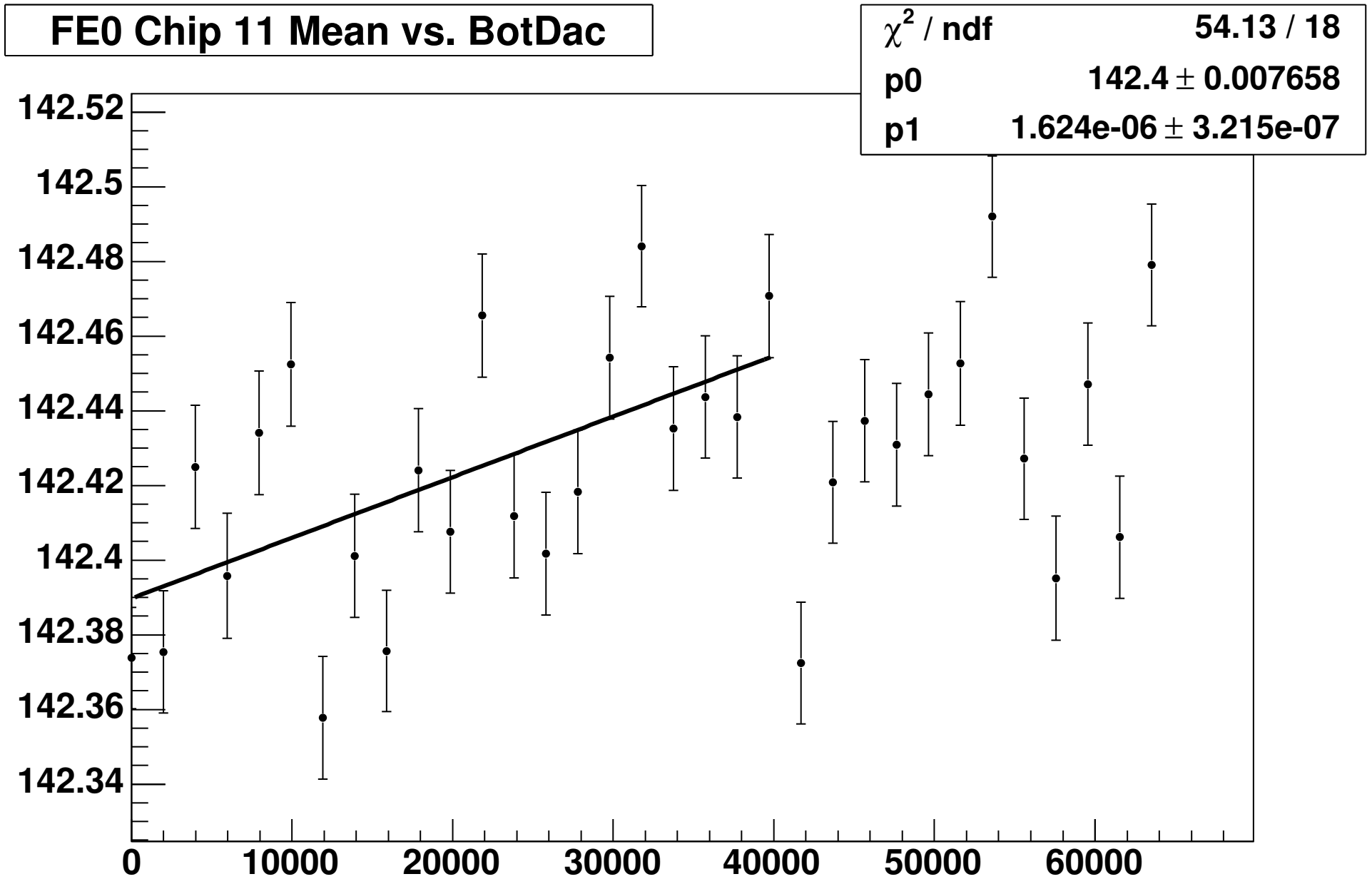
FE0 Chip 11 Mean vs. BotDac
χ² / ndf 54.13 / 18
p0 142.4 ± 0.007658
p1 1.624e-06 ± 3.215e-07
142.52
142.5
142.48
142.46
142.44
142.42
142.4
142.38
142.36
142.34
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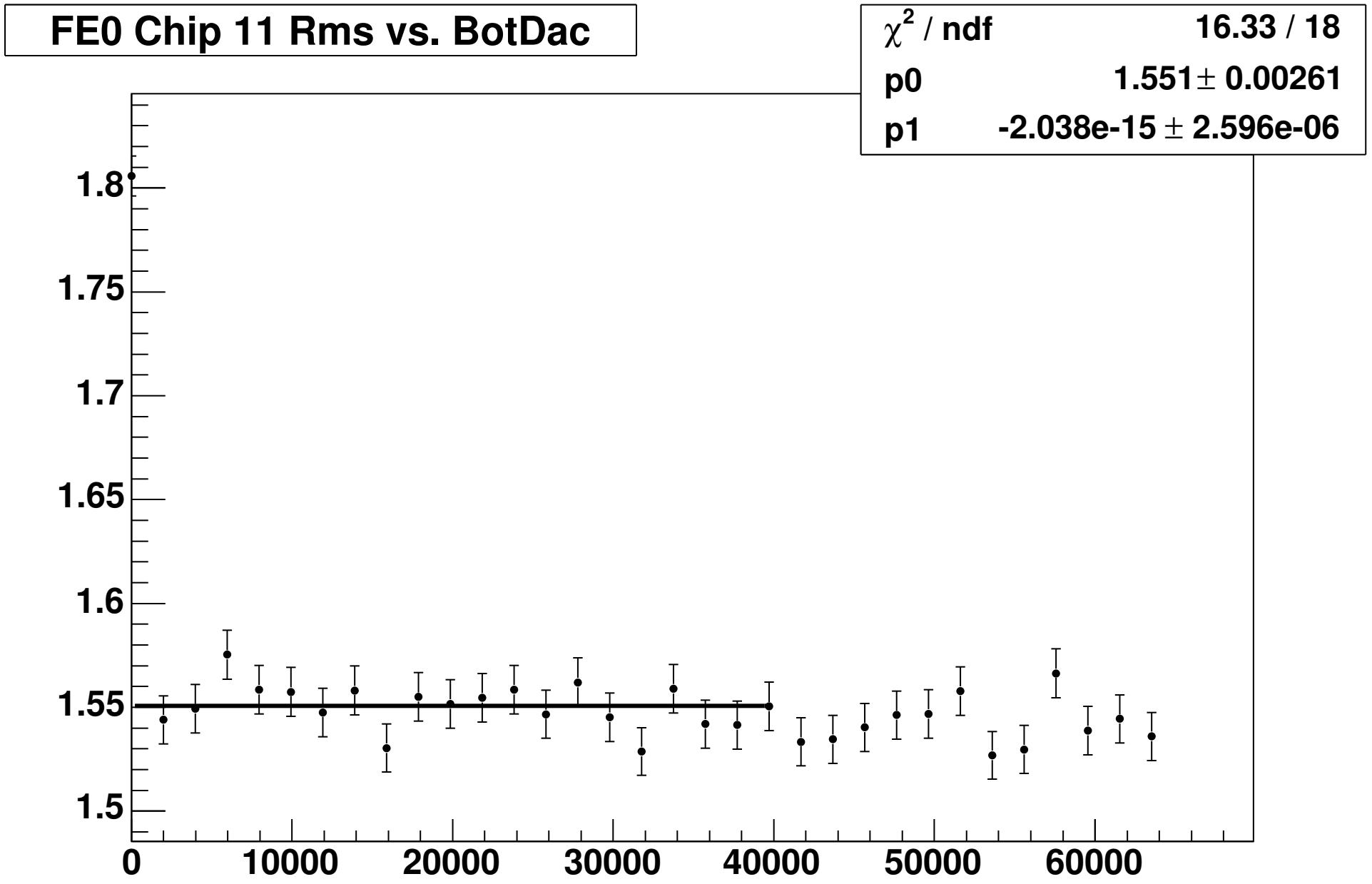
FE0 Chip 11 Rms vs. BotDac
χ² / ndf 16.33 / 18
p0 1.551 ± 0.00261
p1 -2.038e-15 ± 2.596e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
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50000
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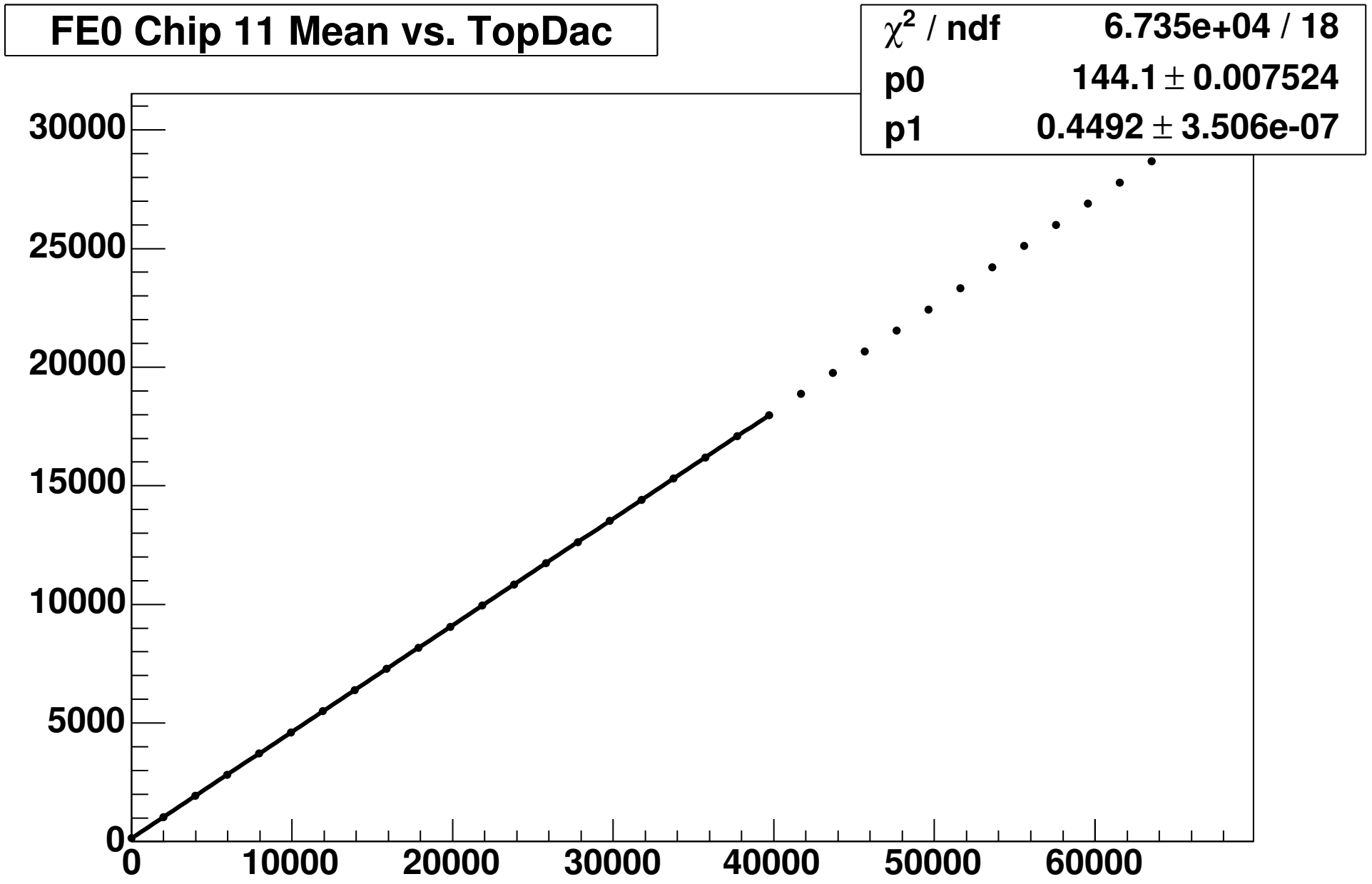
FE0 Chip 11 Mean vs. TopDac
χ² / ndf 6.735e+04 / 18
p0 144.1 ± 0.007524
p1 0.4492 ± 3.506e-07
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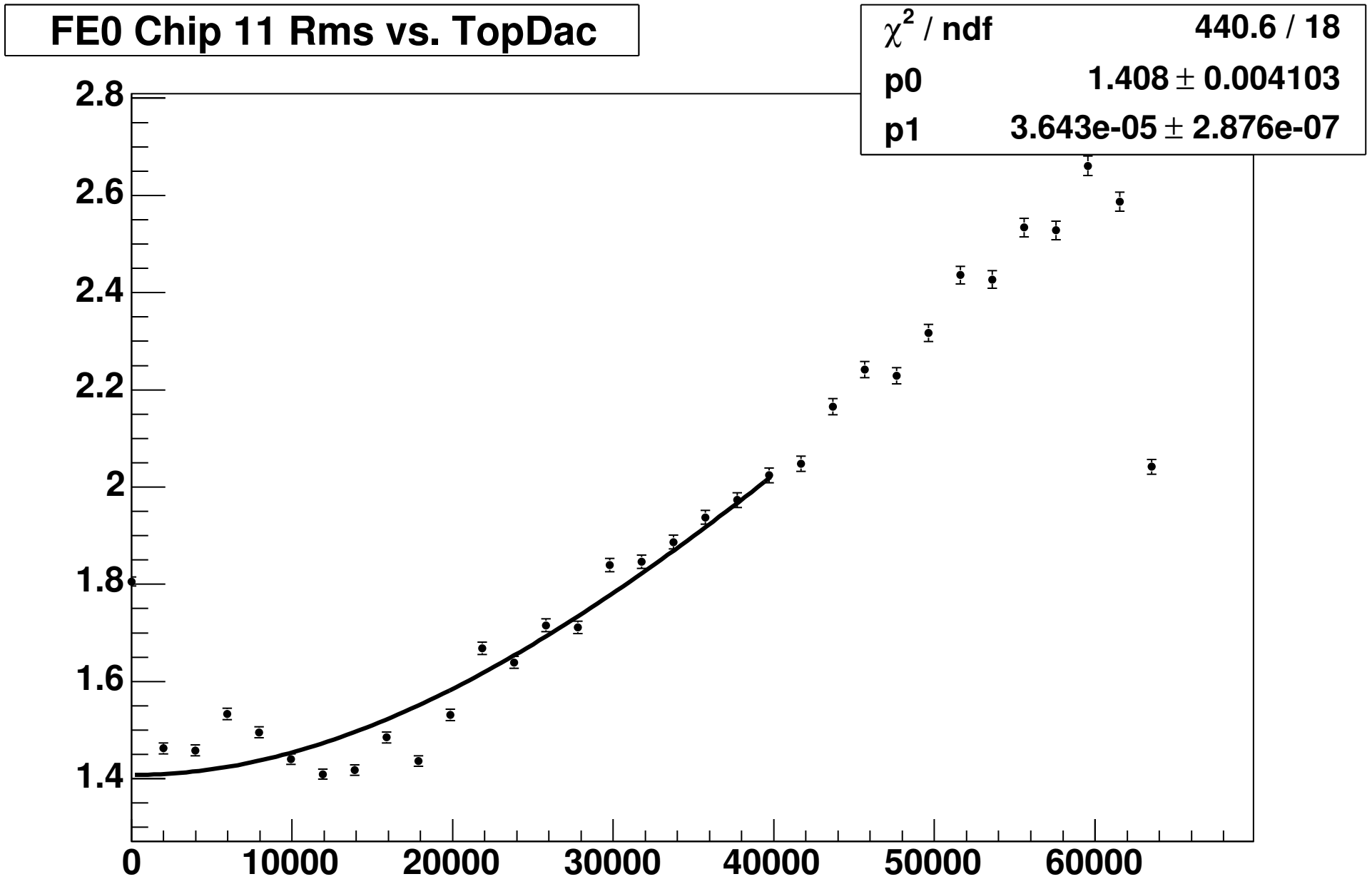
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 440.6 / 18
p0 1.408 ± 0.004103
p1 3.643e-05 ± 2.876e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
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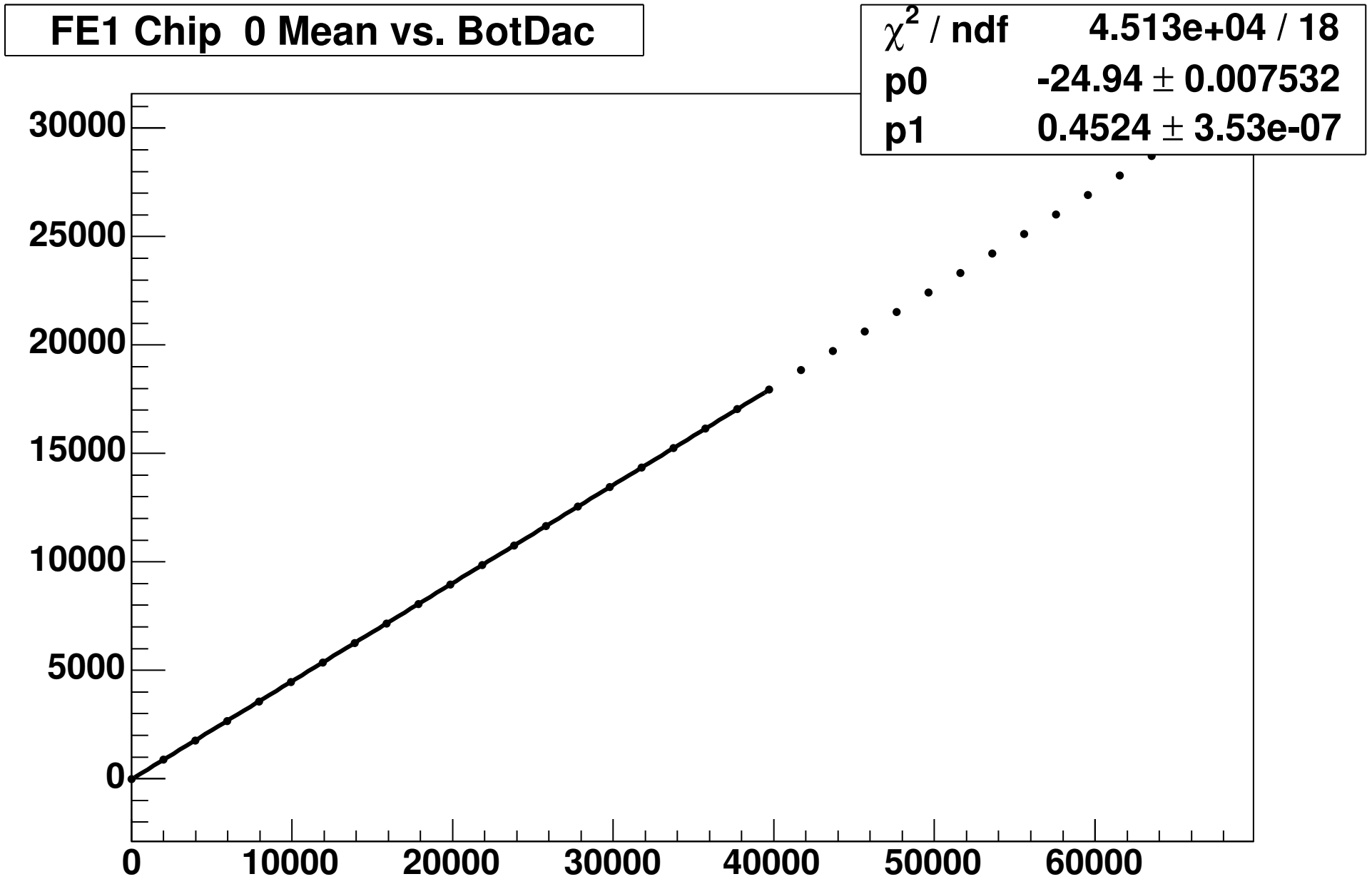
FE1 Chip 0 Mean vs. BotDac
χ² / ndf 4.513e+04 / 18
p0 -24.94 ± 0.007532
p1 0.4524 ± 3.53e-07
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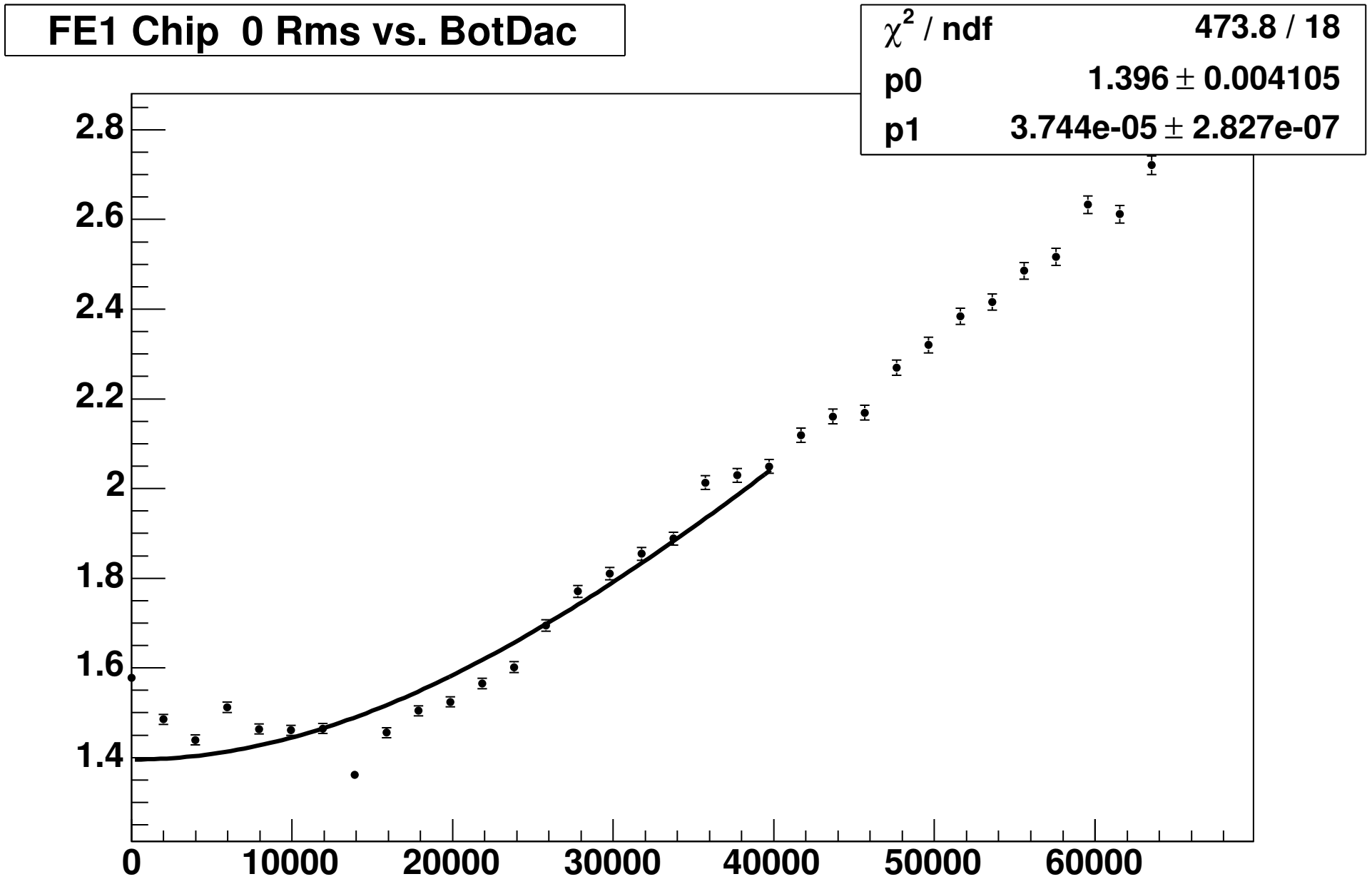
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 473.8 / 18
p0 1.396 ± 0.004105
p1 3.744e-05 ± 2.827e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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40000
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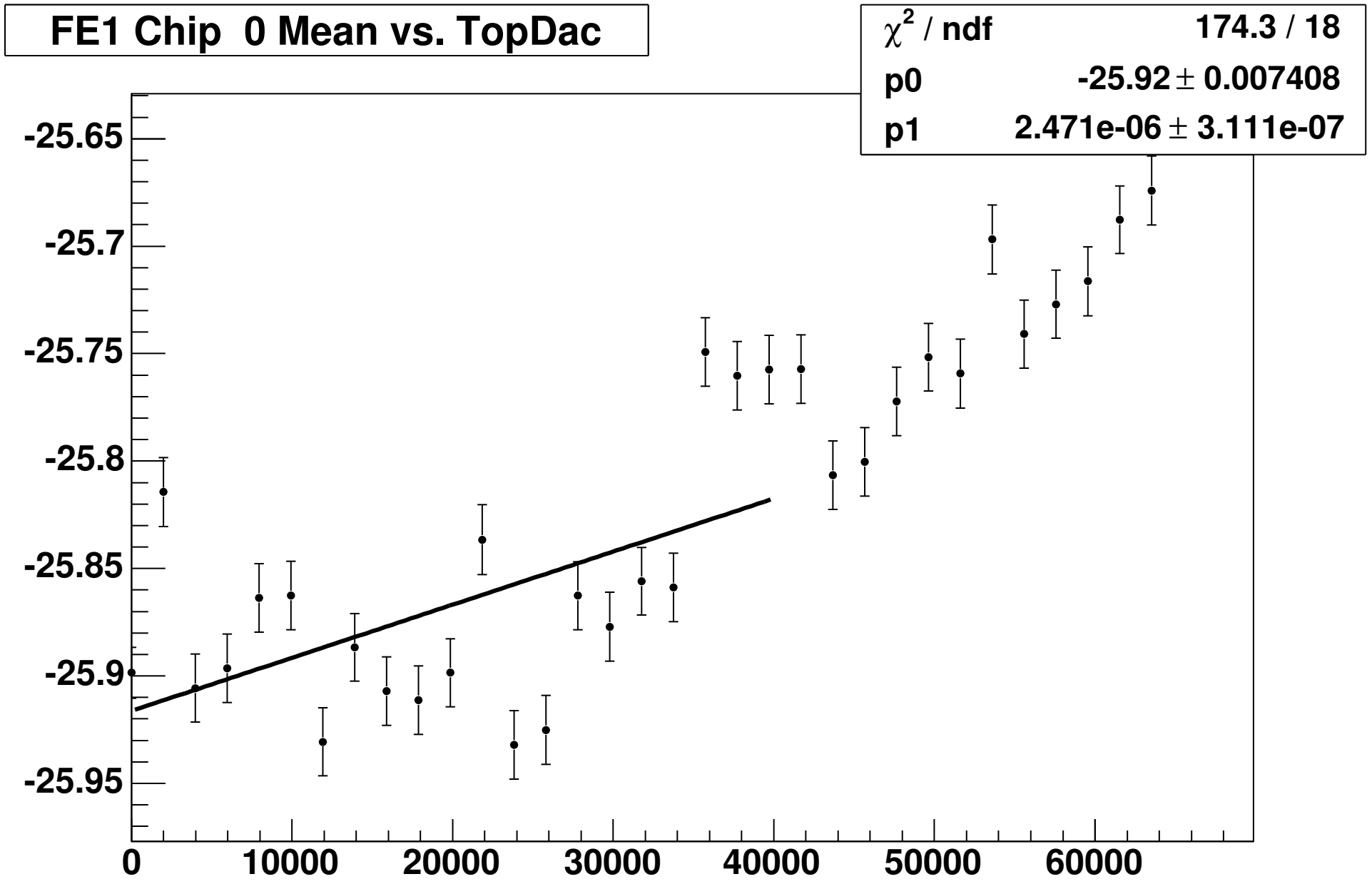
FE1 Chip 0 Mean vs. TopDac
χ² / ndf 174.3 / 18
p0 -25.92 ± 0.007408
p1 2.471e-06 ± 3.111e-07
-25.65
-25.7
-25.75
-25.8
-25.85
-25.9
-25.95
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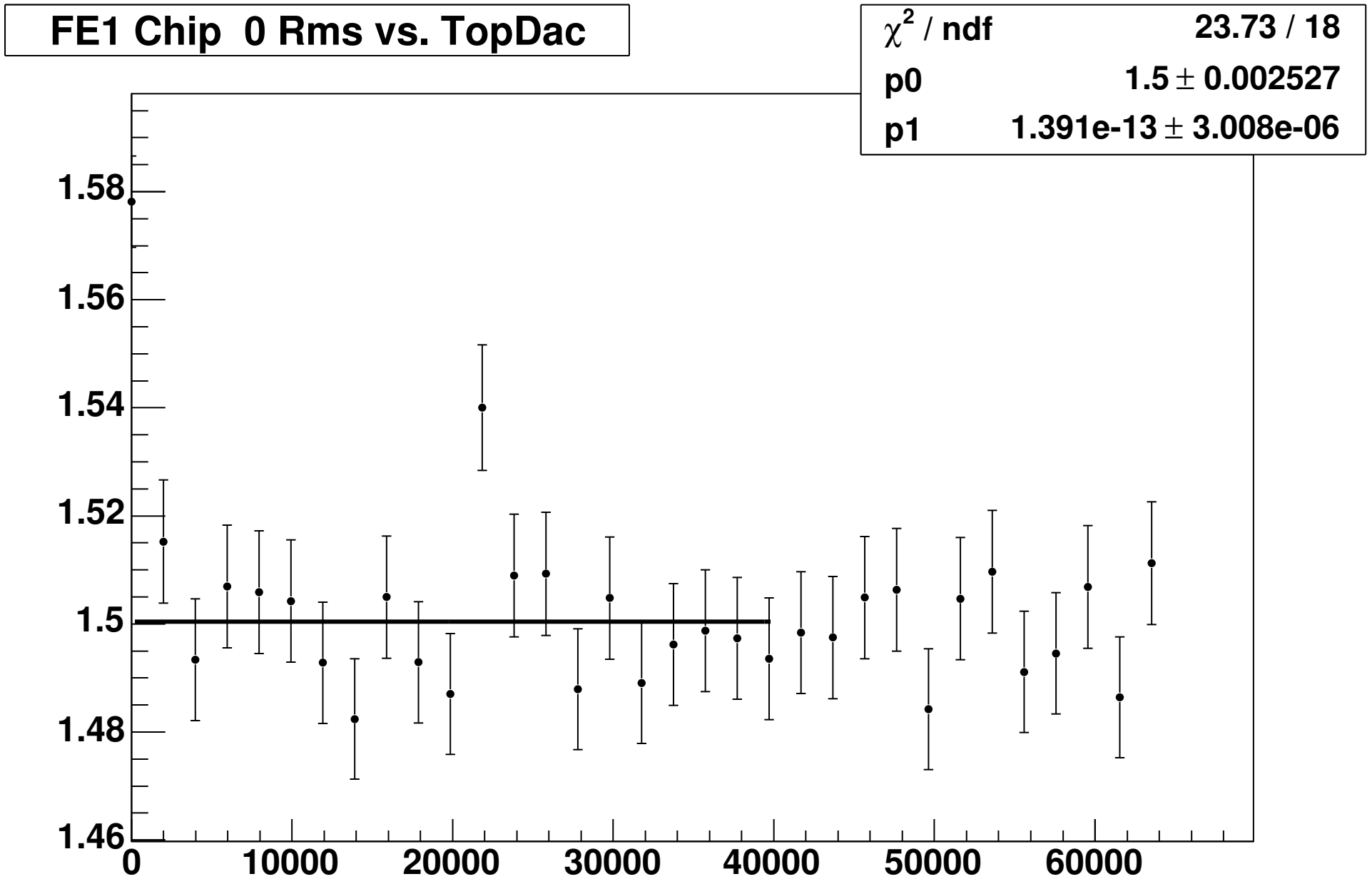
50000
60000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 23.73 / 18
p0 1.5 ± 0.002527
p1 1.391e-13 ± 3.008e-06
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1.56
1.54
1.52
1.5
1.48
1.46
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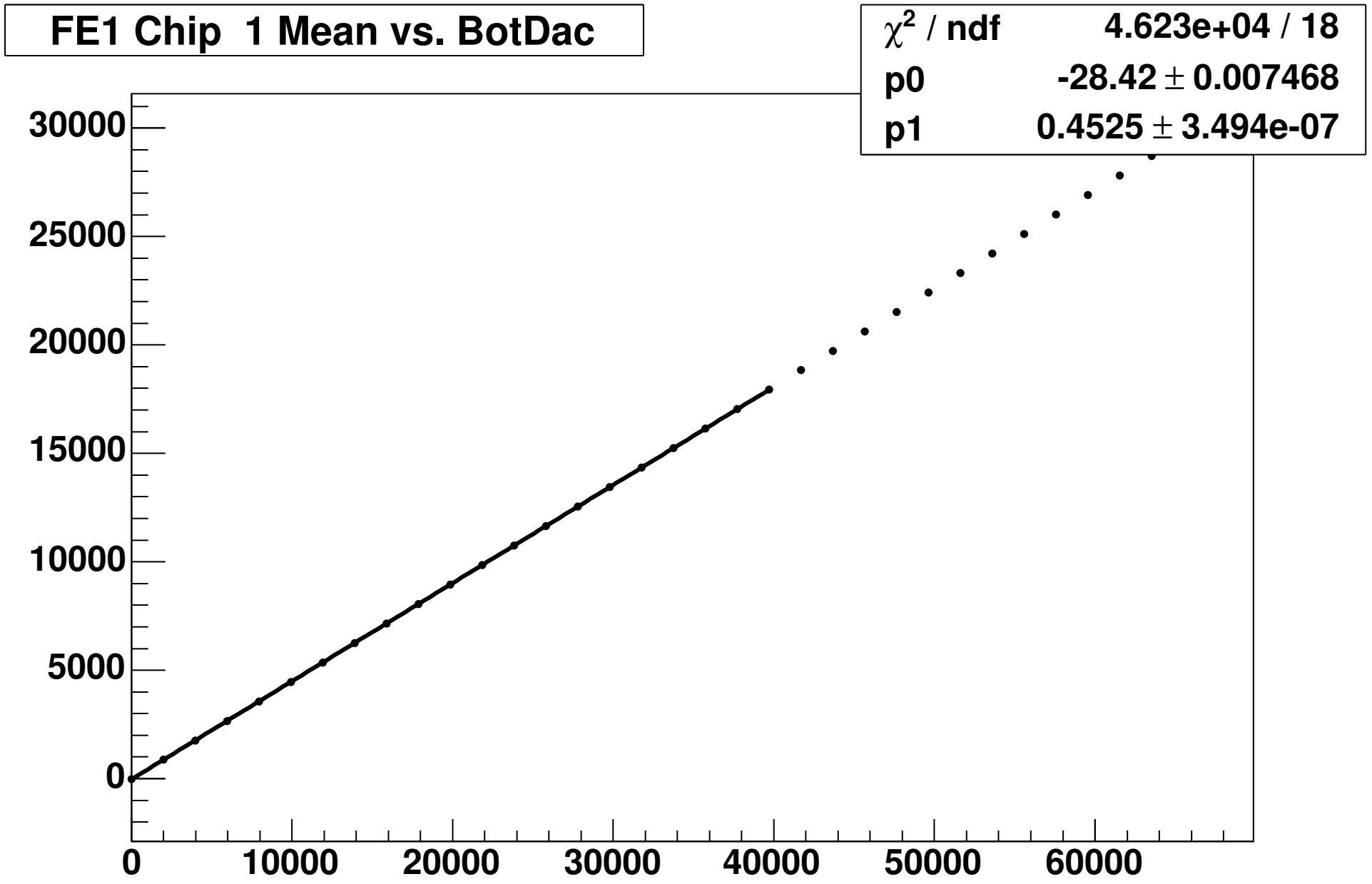
FE1 Chip 1 Mean vs. BotDac
χ² / ndf 4.623e+04 / 18
p0 -28.42 ± 0.007468
p1 0.4525 ± 3.494e-07
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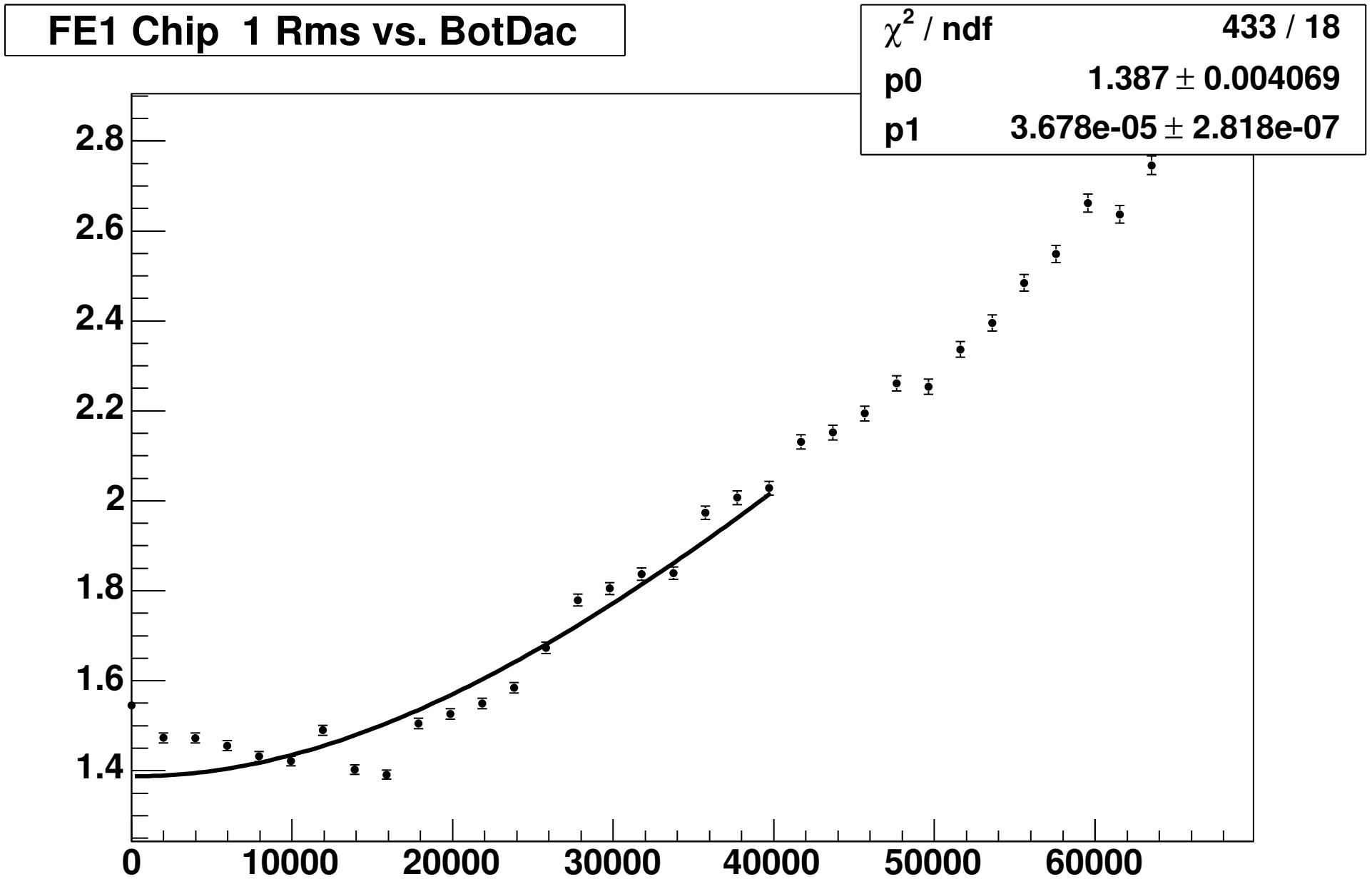
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 433 / 18
p0 1.387 ± 0.004069
p1 3.678e-05 ± 2.818e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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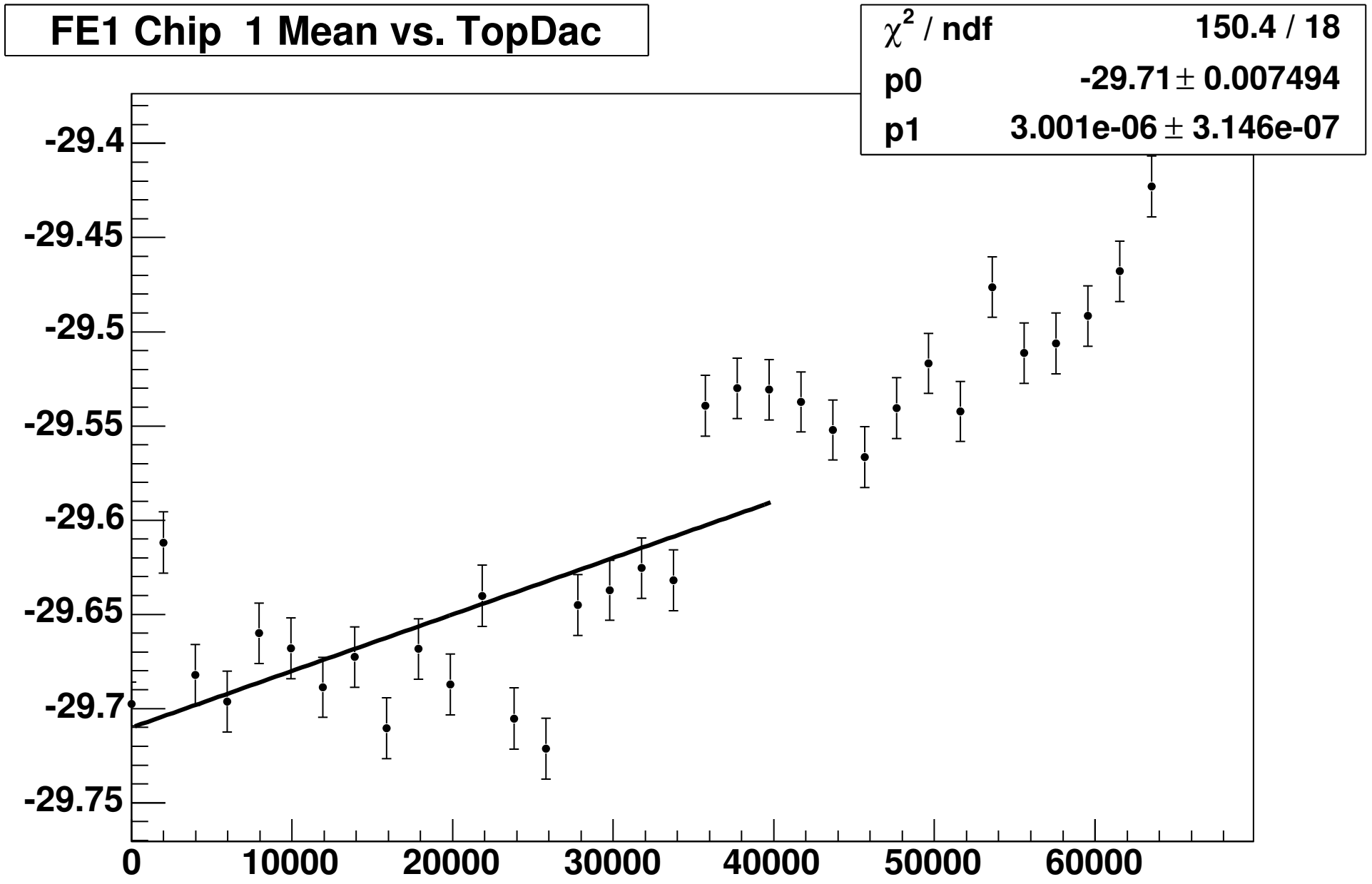
FE1 Chip 1 Mean vs. TopDac
χ² / ndf 150.4 / 18
p0 -29.71 ± 0.007494
p1 3.001e-06 ± 3.146e-07
-29.4
-29.45
-29.5
-29.55
-29.6
-29.65
-29.7
-29.75
0
10000
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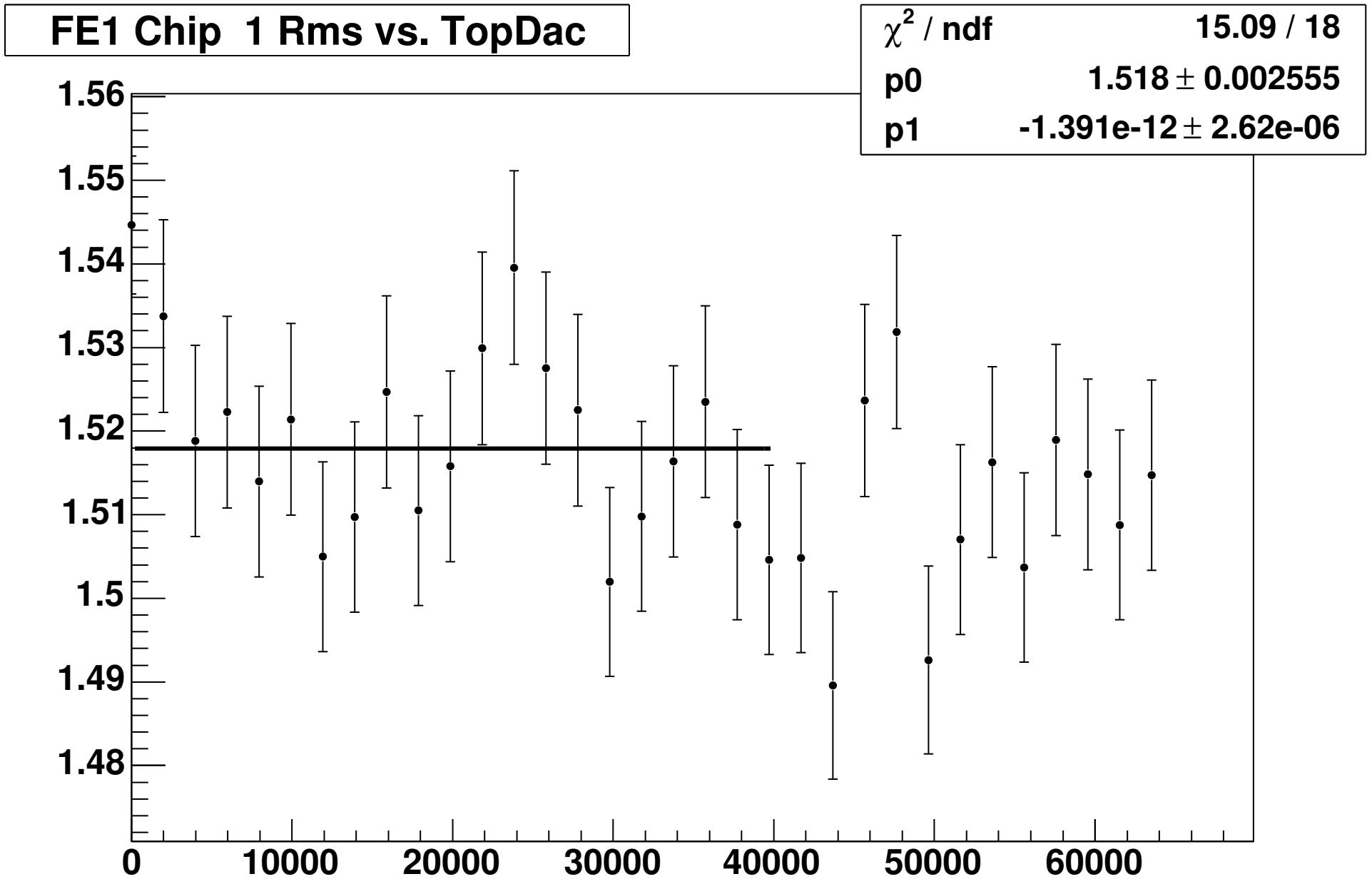
FE1 Chip 1 Rms vs. TopDac
χ² / ndf 15.09 / 18
p0 1.518 ± 0.002555
p1 -1.391e-12 ± 2.62e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
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10000
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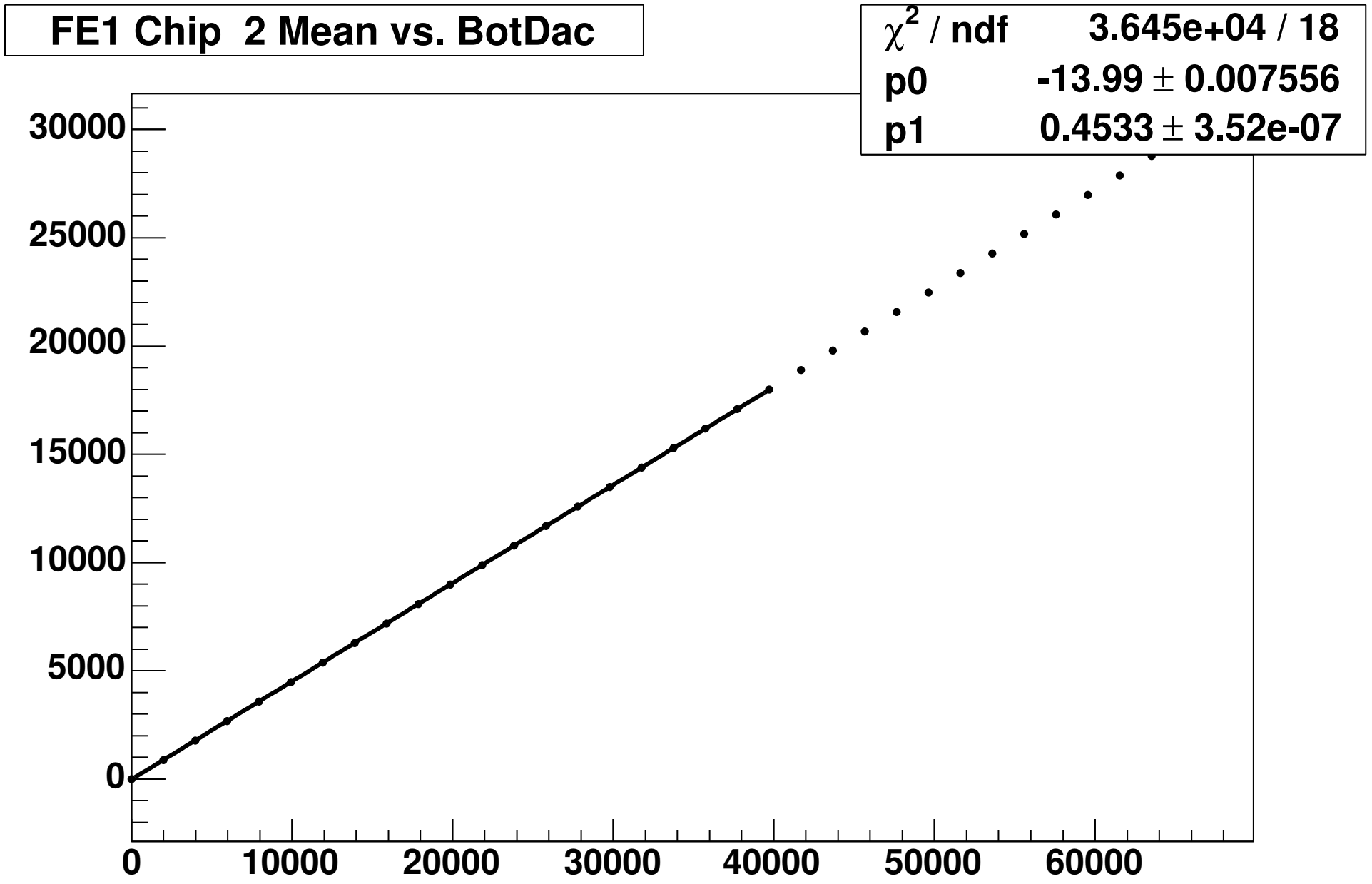
50000
60000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 3.645e+04 / 18
p0 -13.99 ± 0.007556
p1 0.4533 ± 3.52e-07
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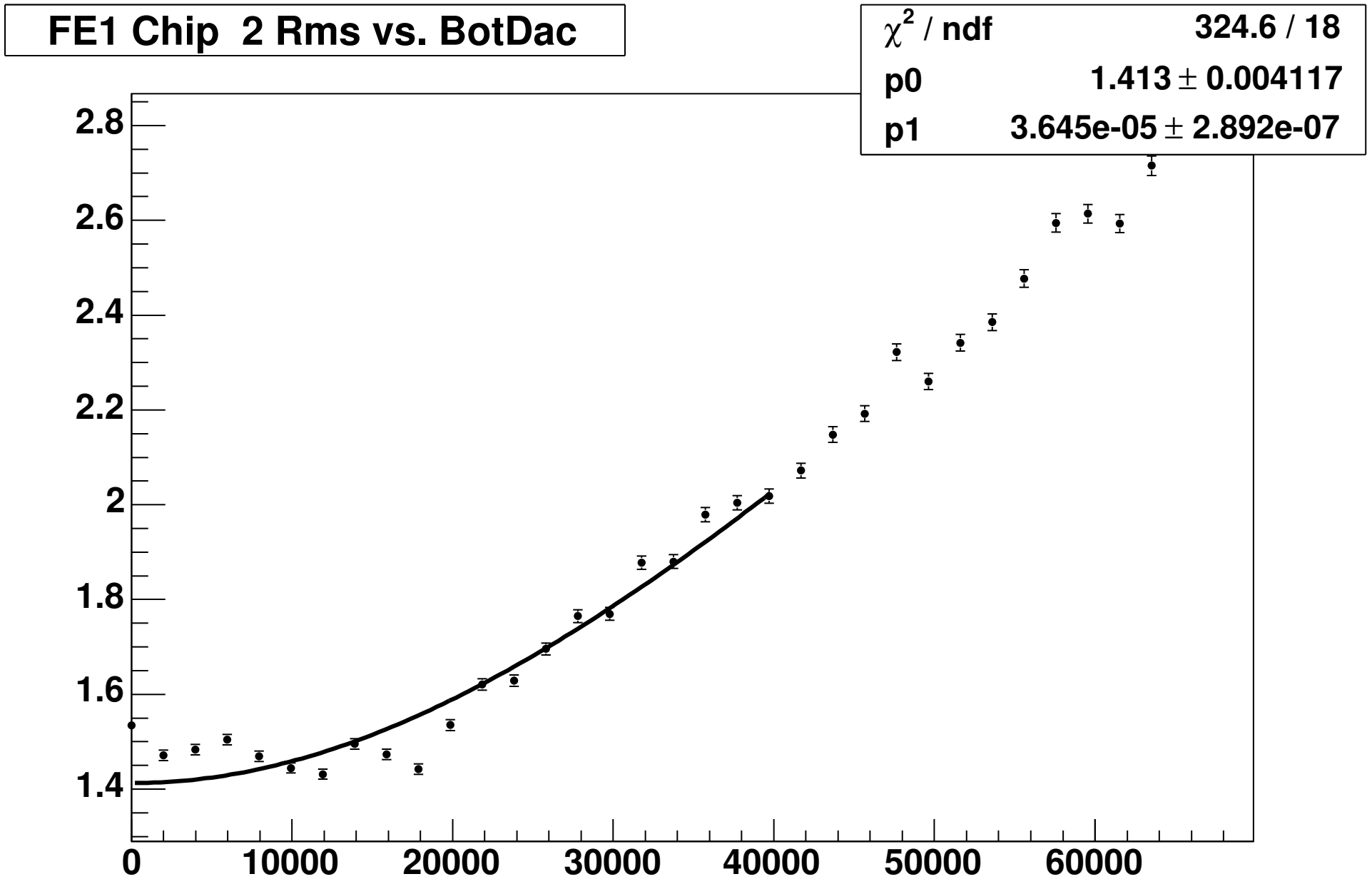
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 324.6 / 18
p0 1.413 ± 0.004117
p1 3.645e-05 ± 2.892e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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40000
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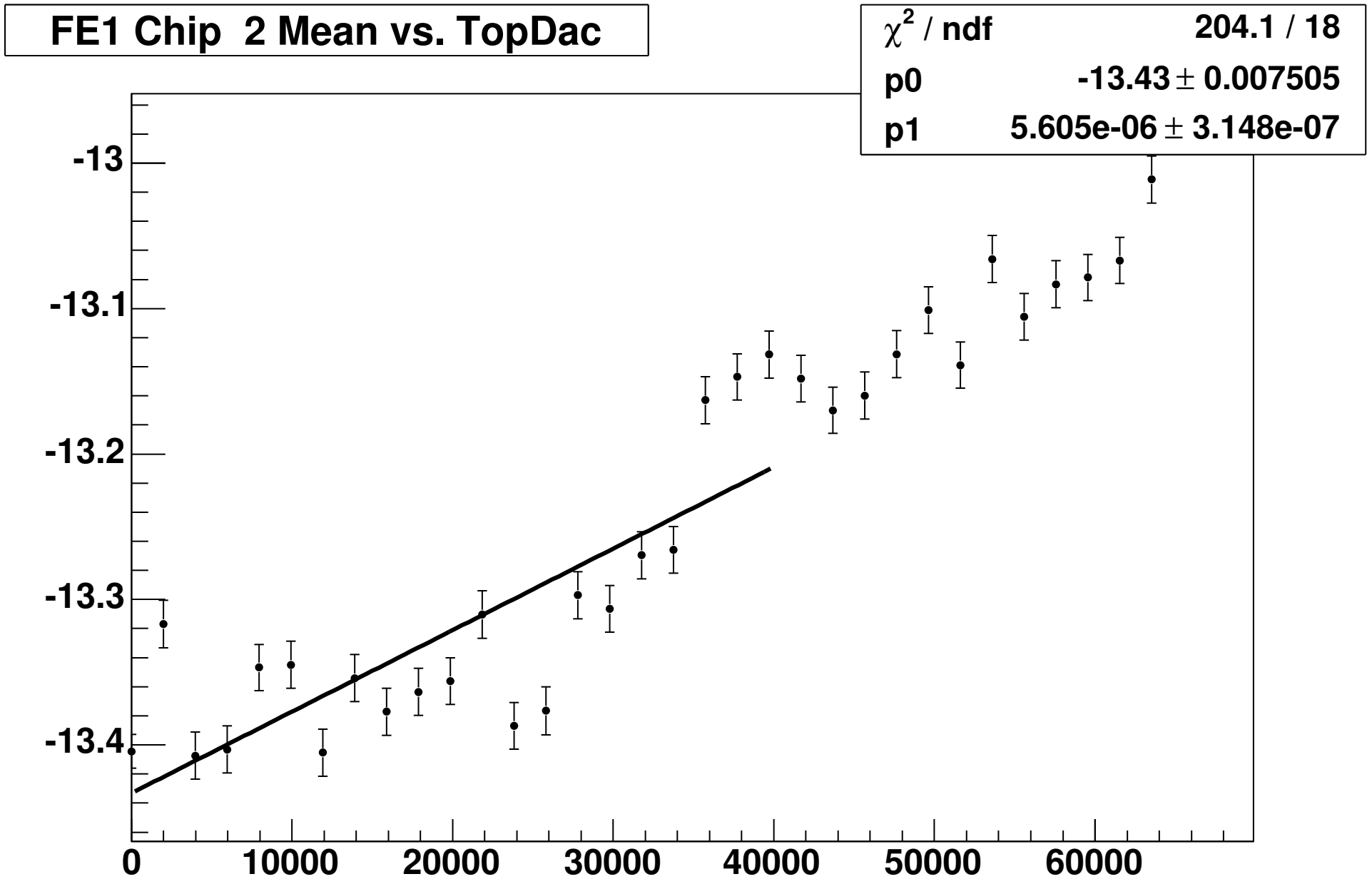
FE1 Chip 2 Mean vs. TopDac
χ² / ndf 204.1 / 18
p0 -13.43 ± 0.007505
p1 5.605e-06 ± 3.148e-07
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-13.1
-13.2
-13.3
-13.4
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10000
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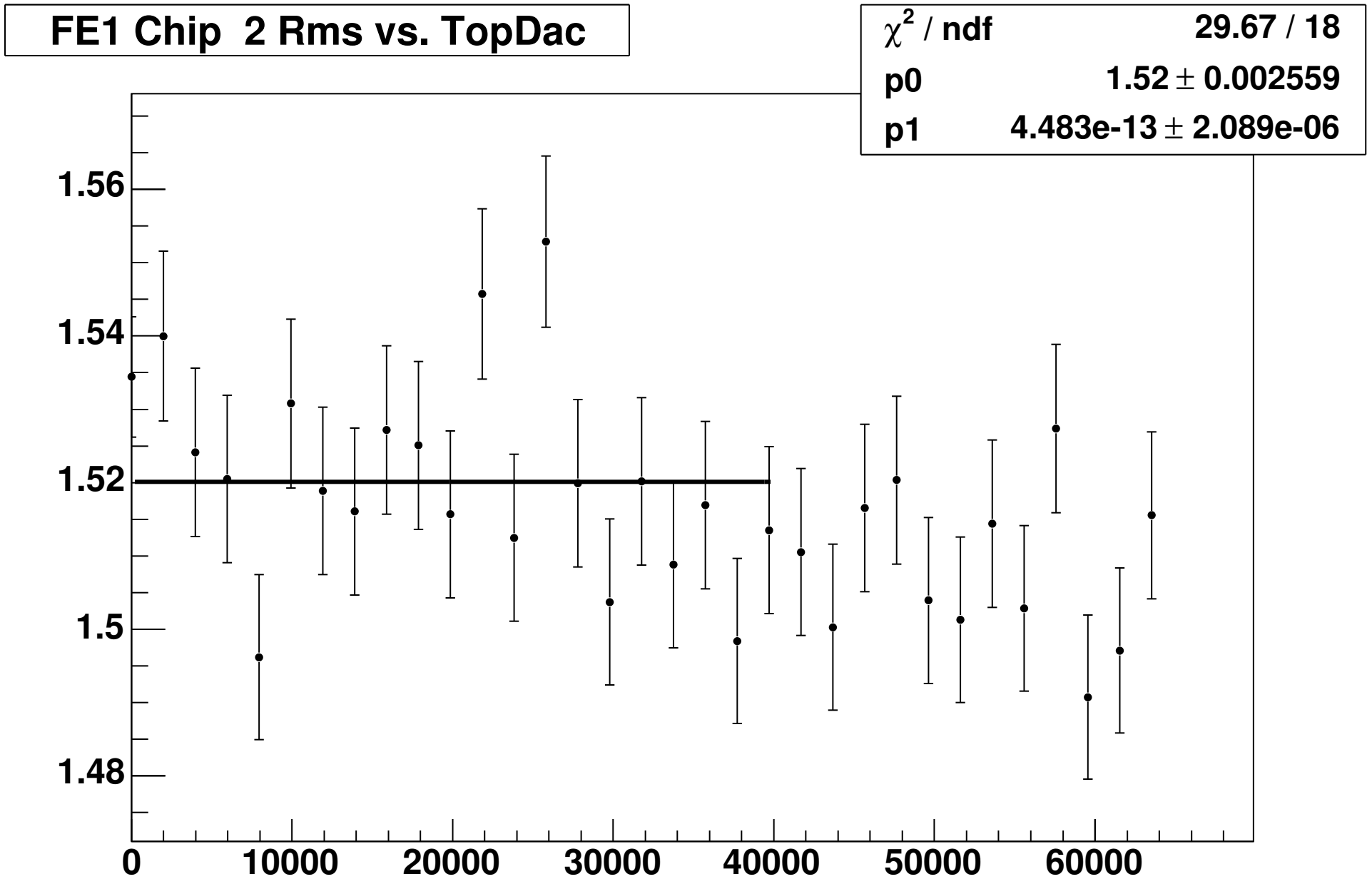
30000
40000
50000
60000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 29.67 / 18
p0 1.52 ± 0.002559
p1 4.483e-13 ± 2.089e-06
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1.54
1.52
1.5
1.48
0
10000
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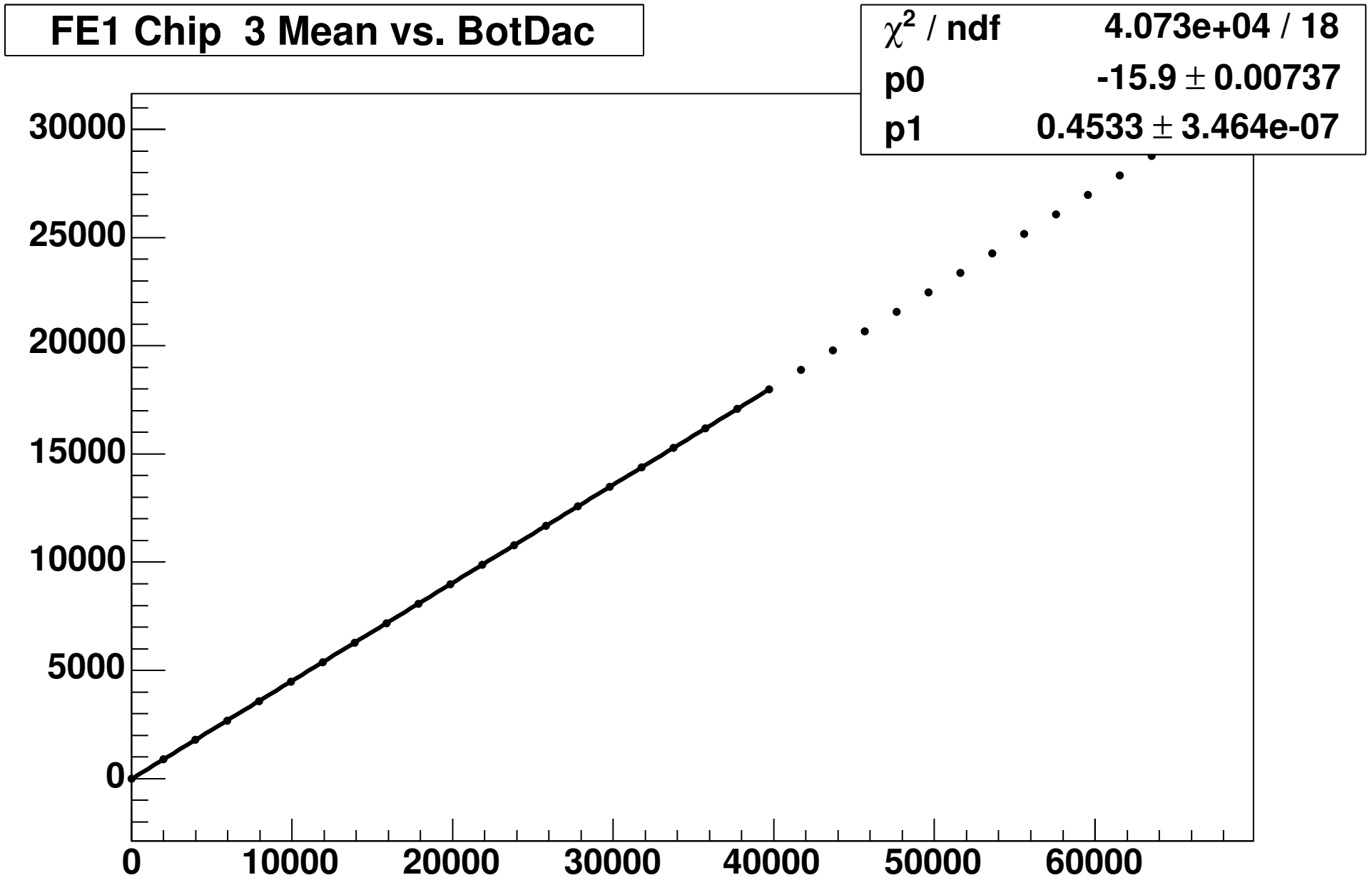
30000
40000
50000
60000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 4.073e+04 / 18
p0 -15.9 ± 0.00737
p1 0.4533 ± 3.464e-07
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25000
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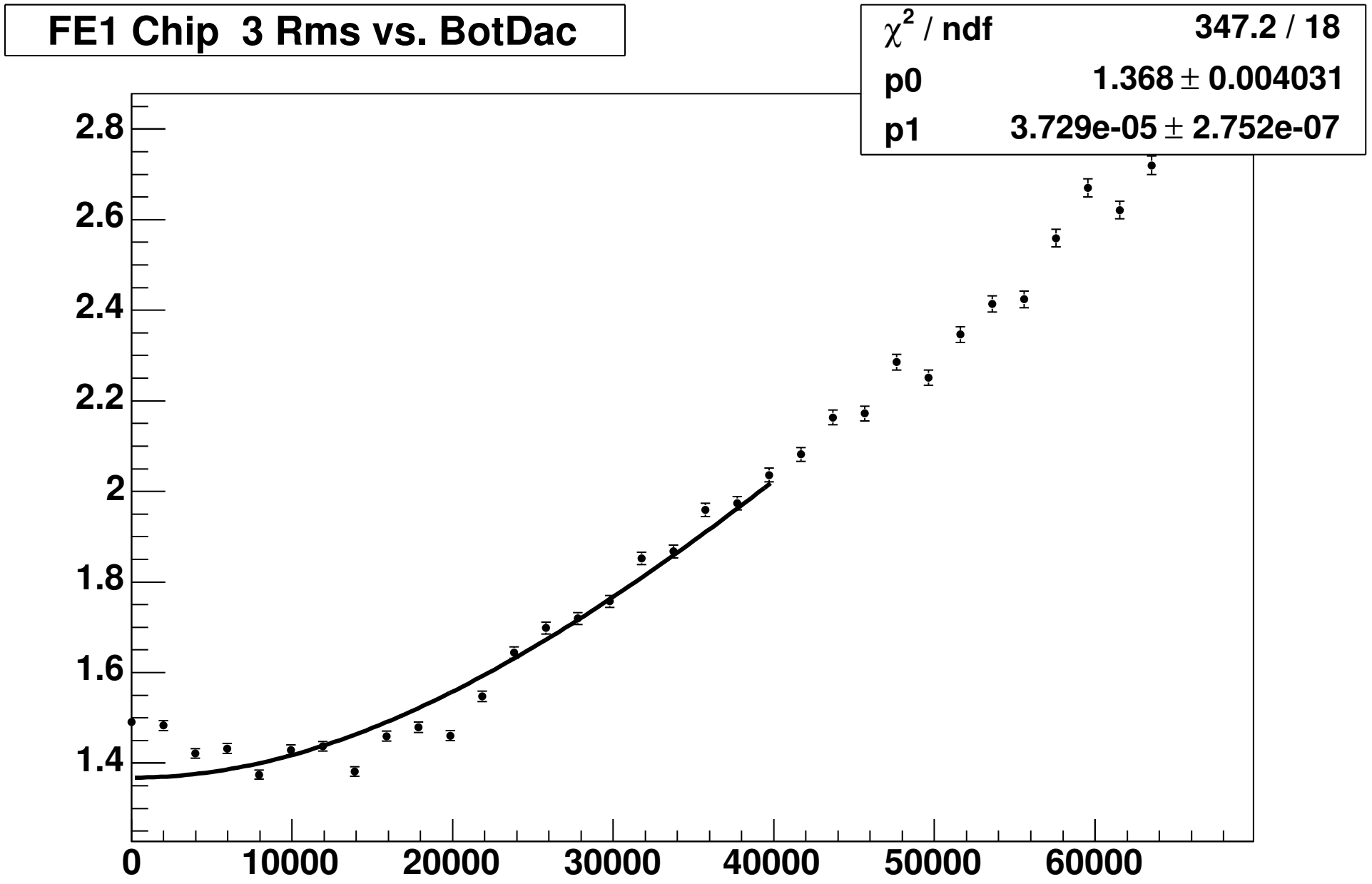
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 347.2 / 18
p0 1.368 ± 0.004031
p1 3.729e-05 ± 2.752e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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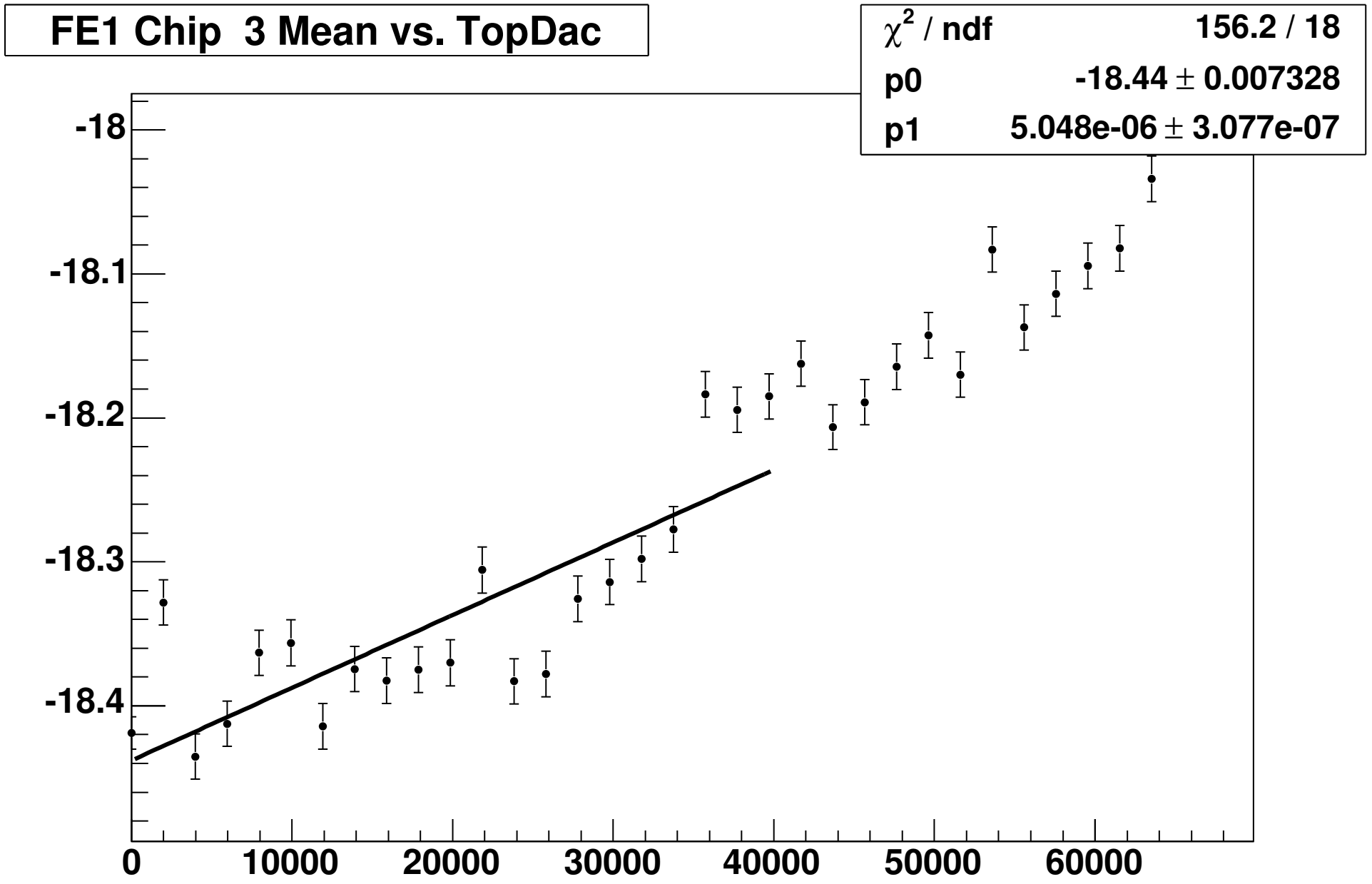
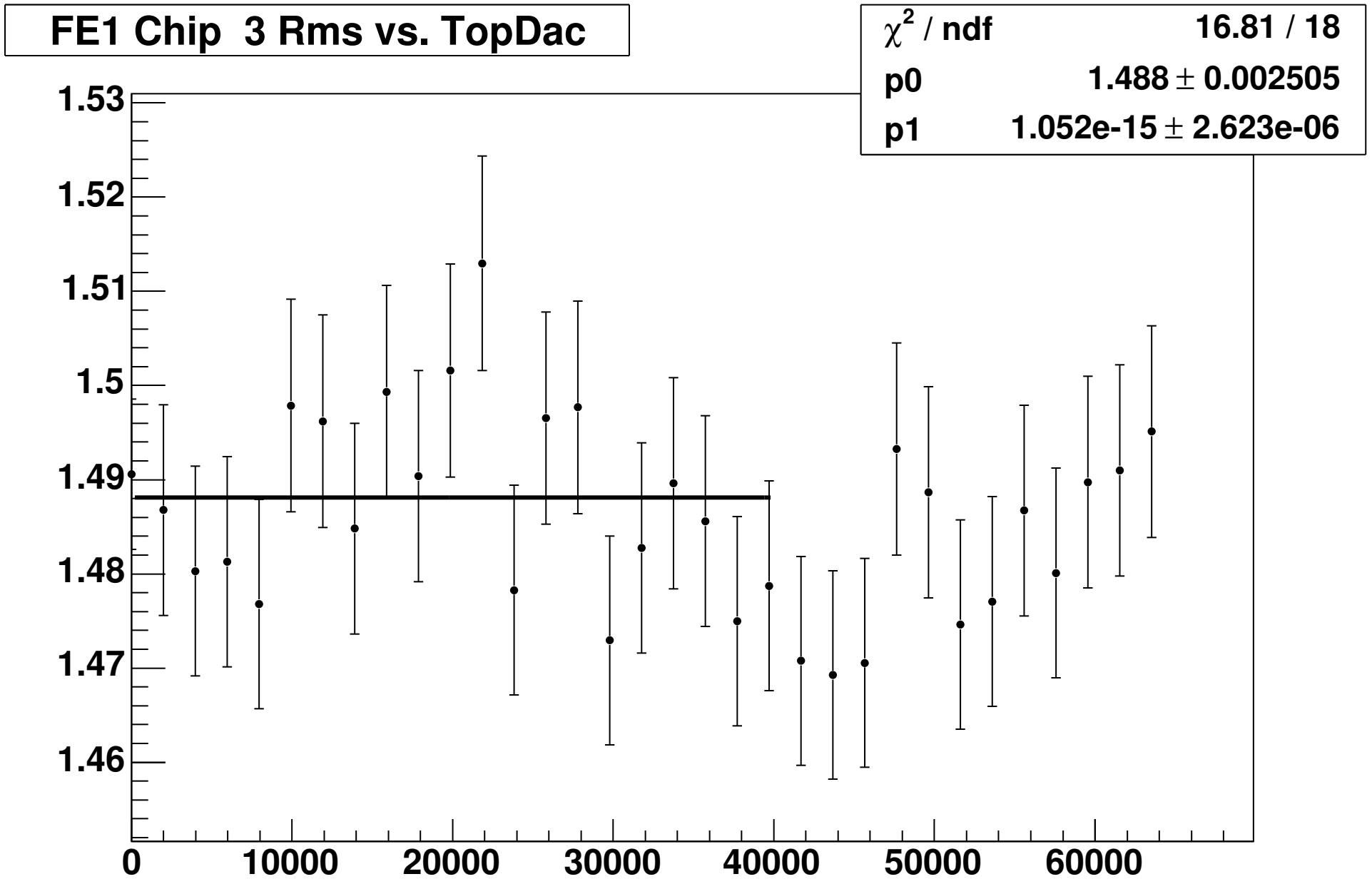
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 156.2 / 18
p0 -18.44 ± 0.007328
p1 5.048e-06 ± 3.077e-07
-18
-18.1
-18.2
-18.3
-18.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 16.81 / 18
p0 1.488 ± 0.002505
p1 1.052e-15 ± 2.623e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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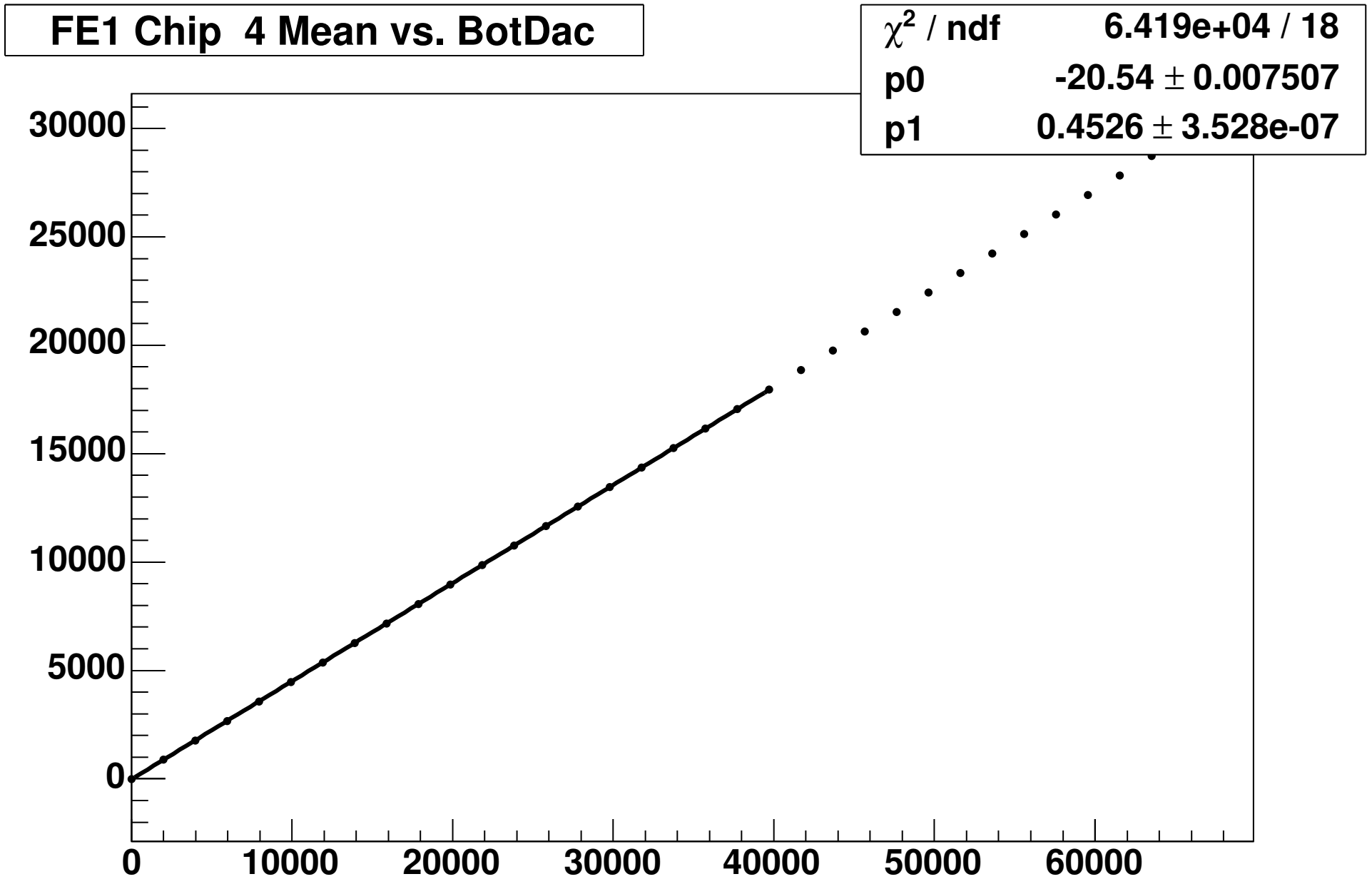
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 6.419e+04 / 18
p0 -20.54 ± 0.007507
p1 0.4526 ± 3.528e-07
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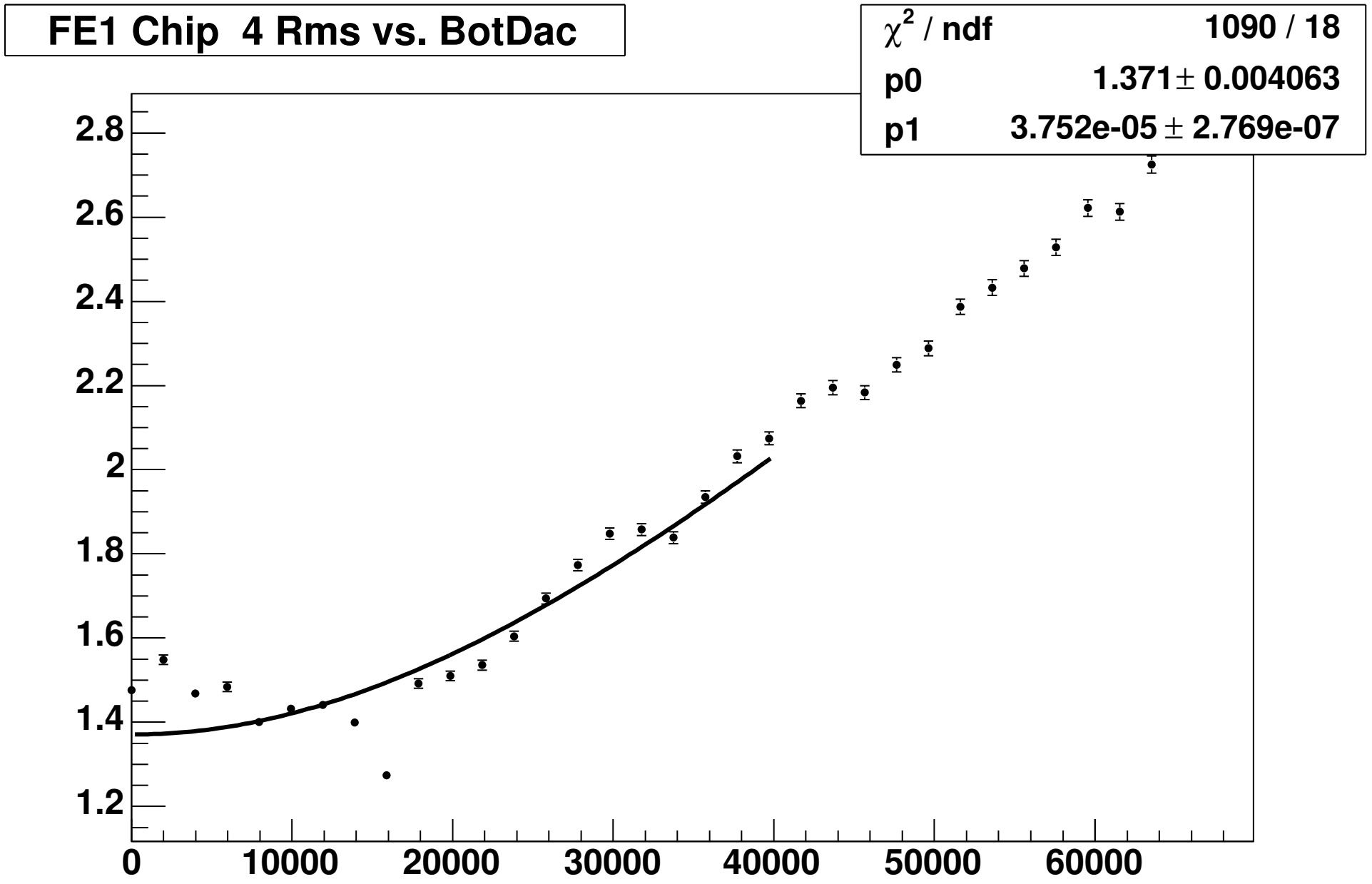
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1090 / 18
p0 1.371 ± 0.004063
p1 3.752e-05 ± 2.769e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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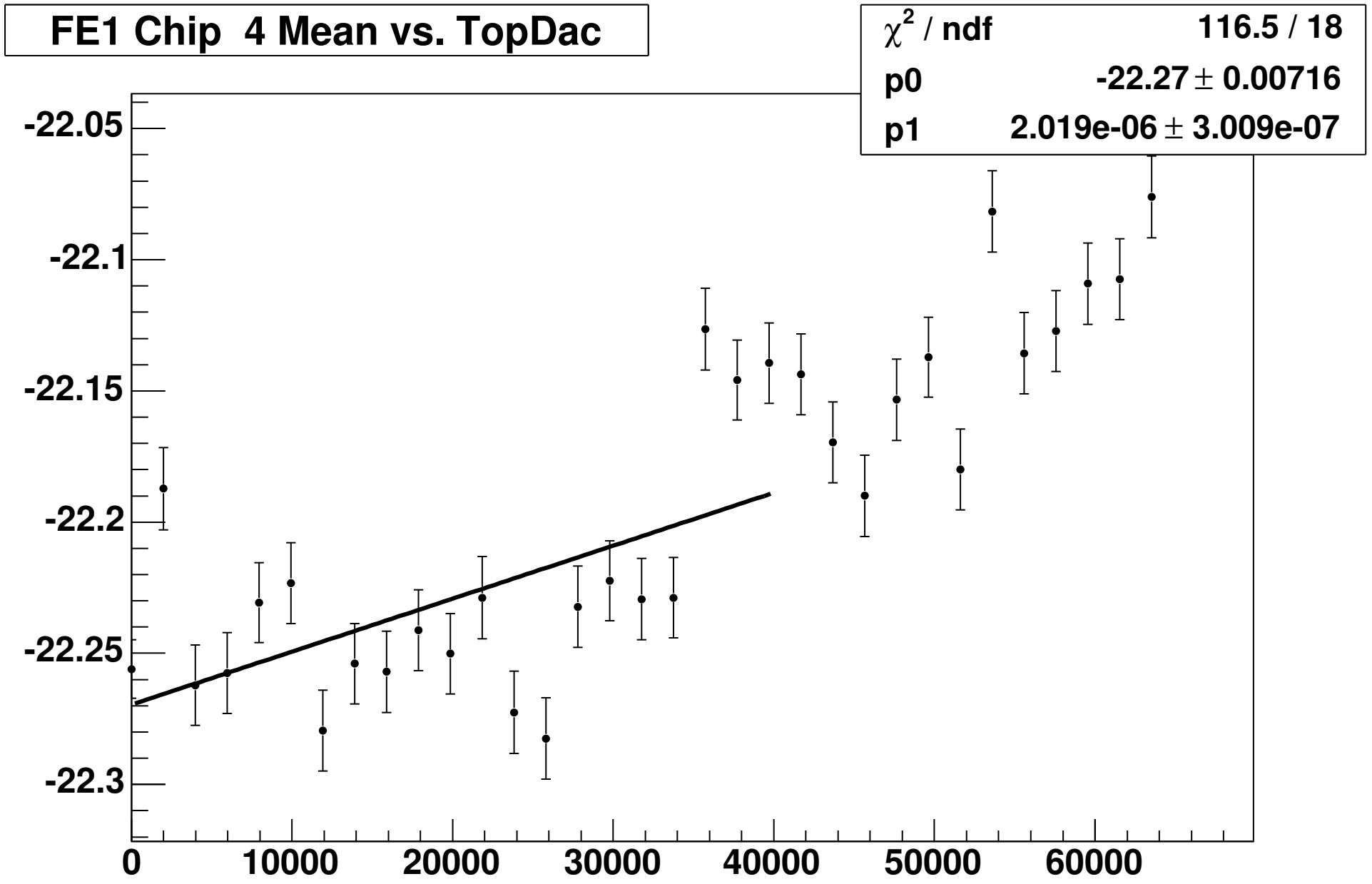
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 116.5 / 18
p0 -22.27 ± 0.00716
p1 2.019e-06 ± 3.009e-07
-22.05
-22.1
-22.15
-22.2
-22.25
-22.3
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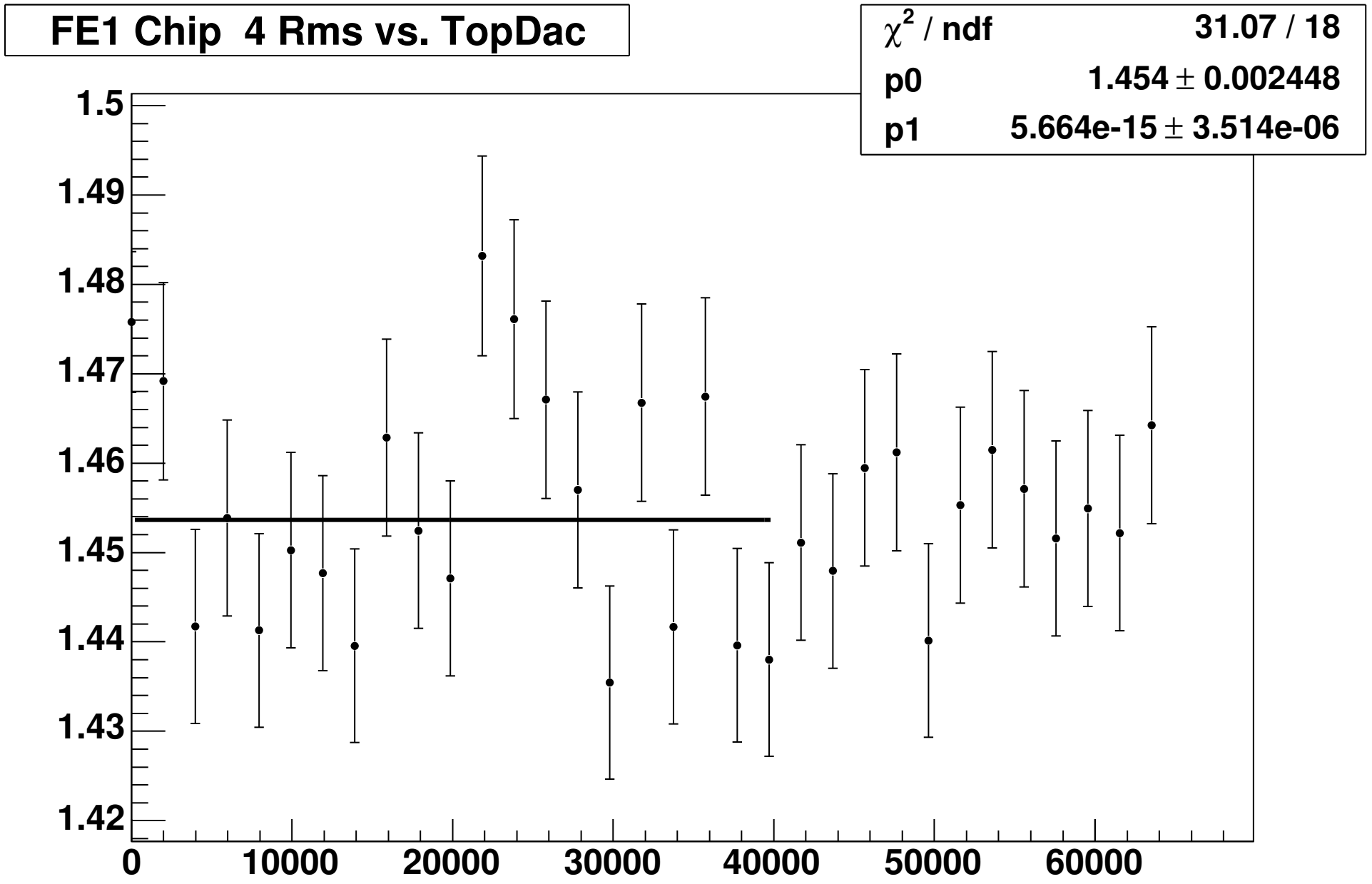
FE1 Chip 4 Rms vs. TopDac
χ^2 / ndf 31.07 / 18
p0 1.454 ± 0.002448
p1 5.664e-15 ± 3.514e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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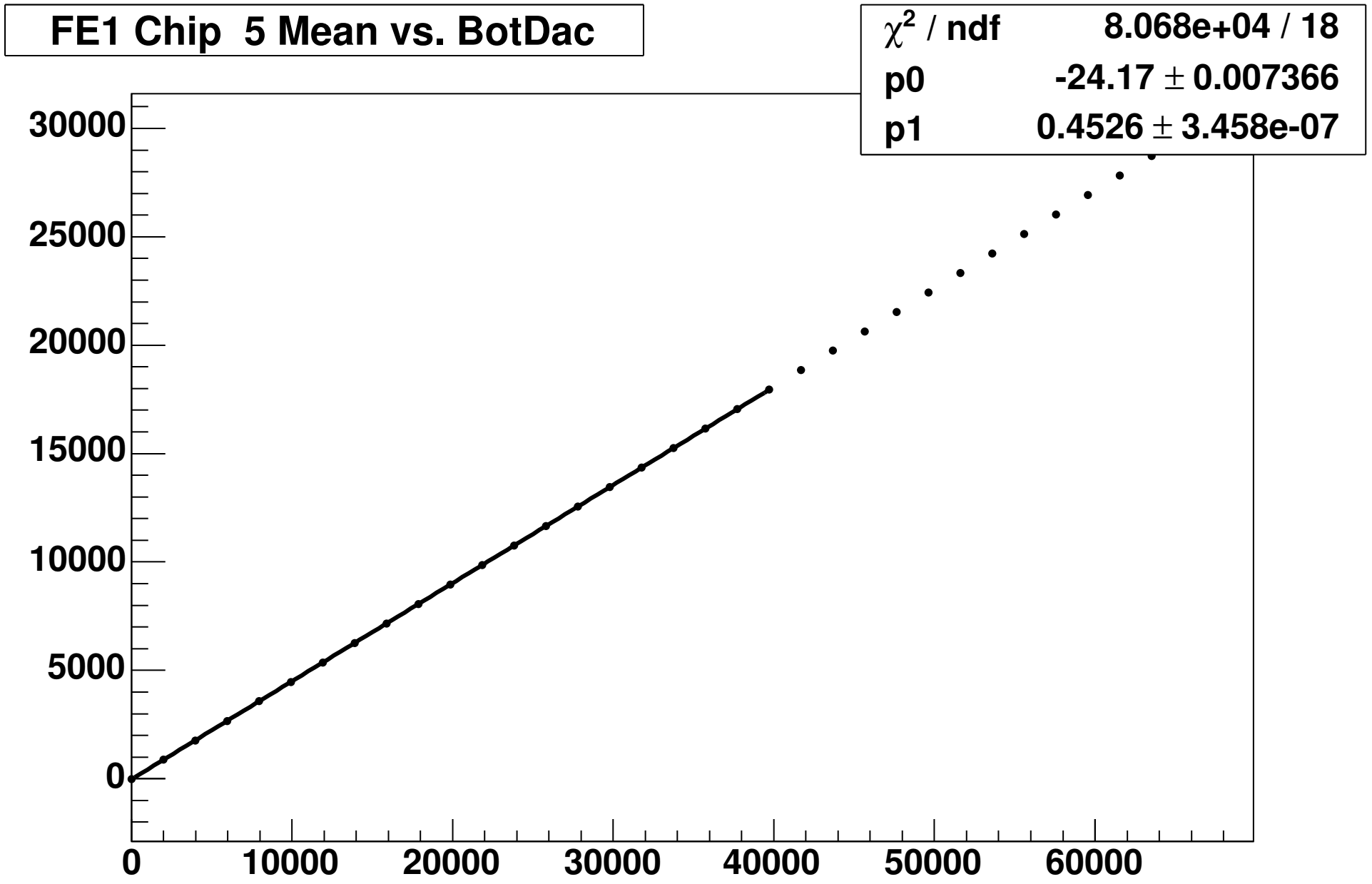
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 8.068e+04 / 18
p0 -24.17 ± 0.007366
p1 0.4526 ± 3.458e-07
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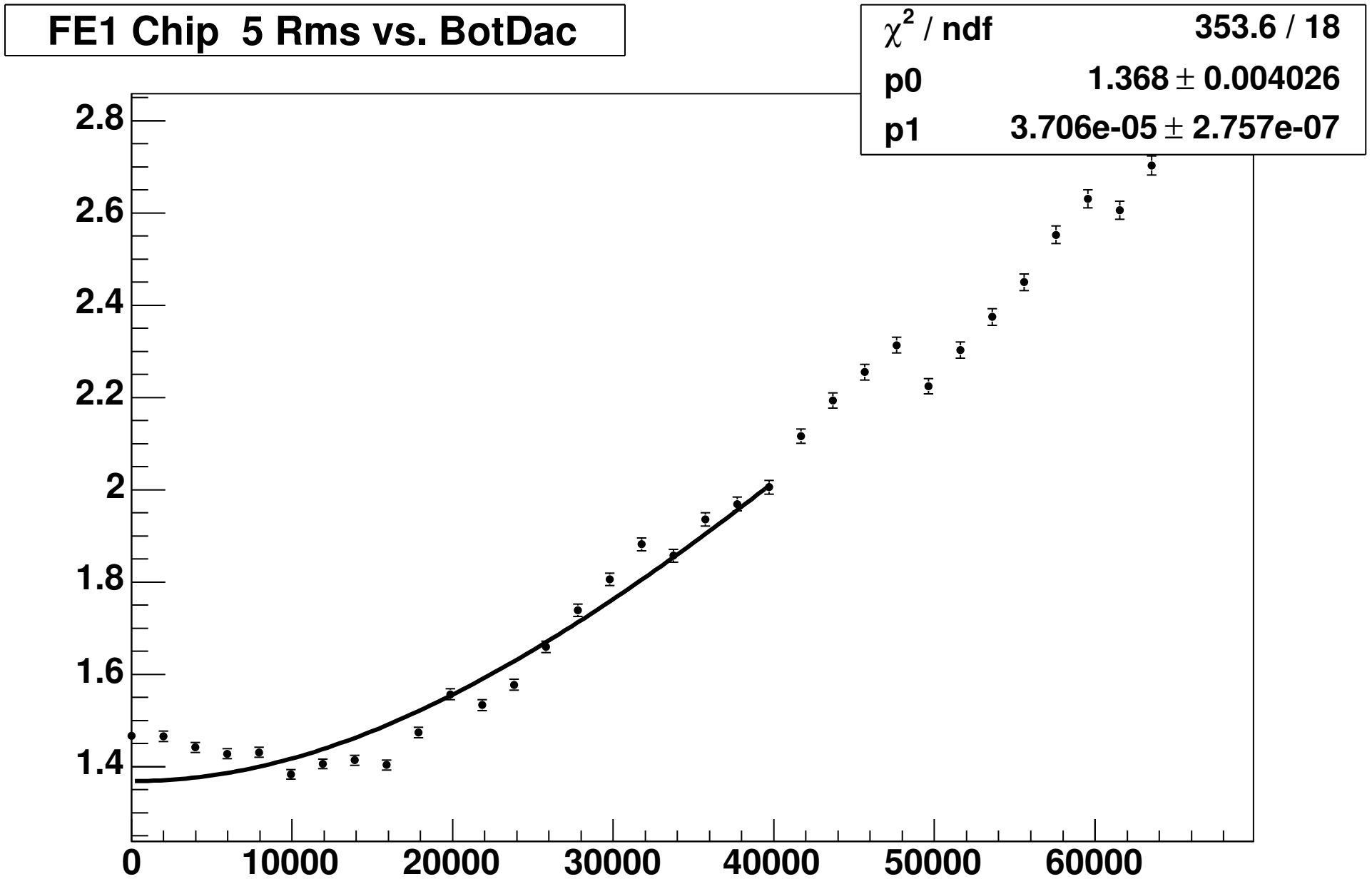
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 353.6 / 18
p0 1.368 ± 0.004026
p1 3.706e-05 ± 2.757e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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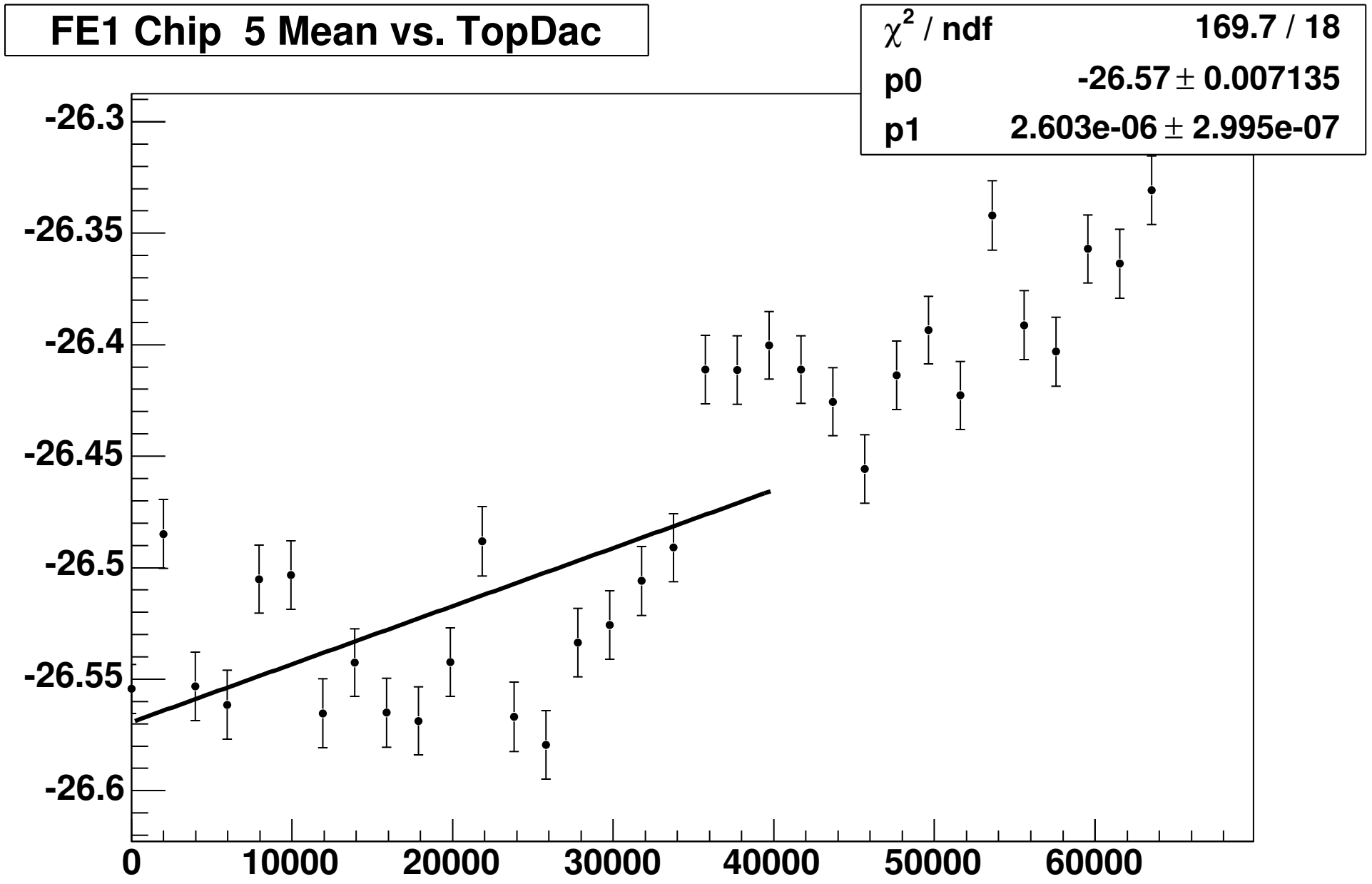
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 169.7 / 18
p0 -26.57 ± 0.007135
p1 2.603e-06 ± 2.995e-07
-26.3
-26.35
-26.4
-26.45
-26.5
-26.55
-26.6
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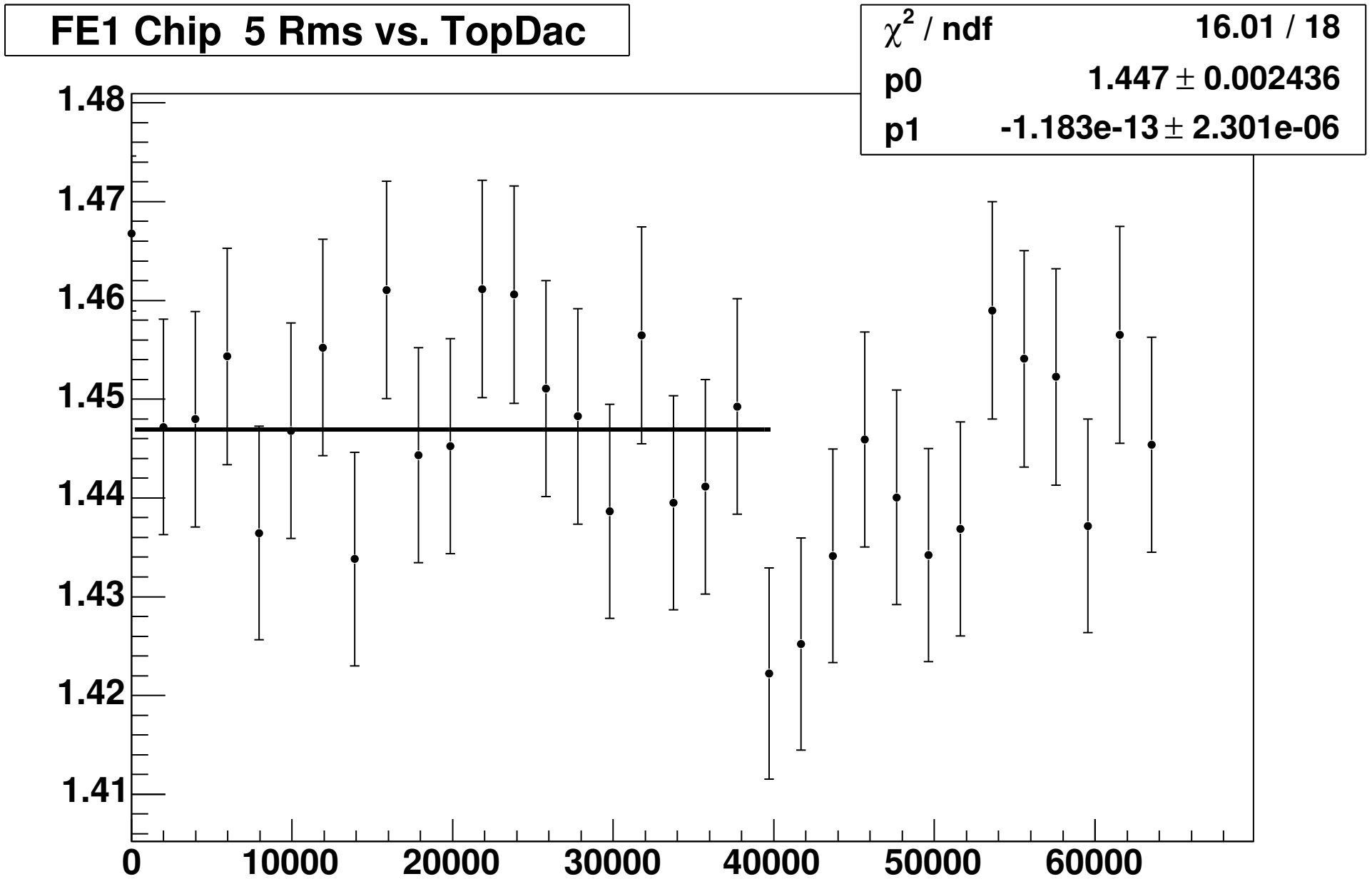
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 16.01 / 18
p0 1.447 ± 0.002436
p1 -1.183e-13 ± 2.301e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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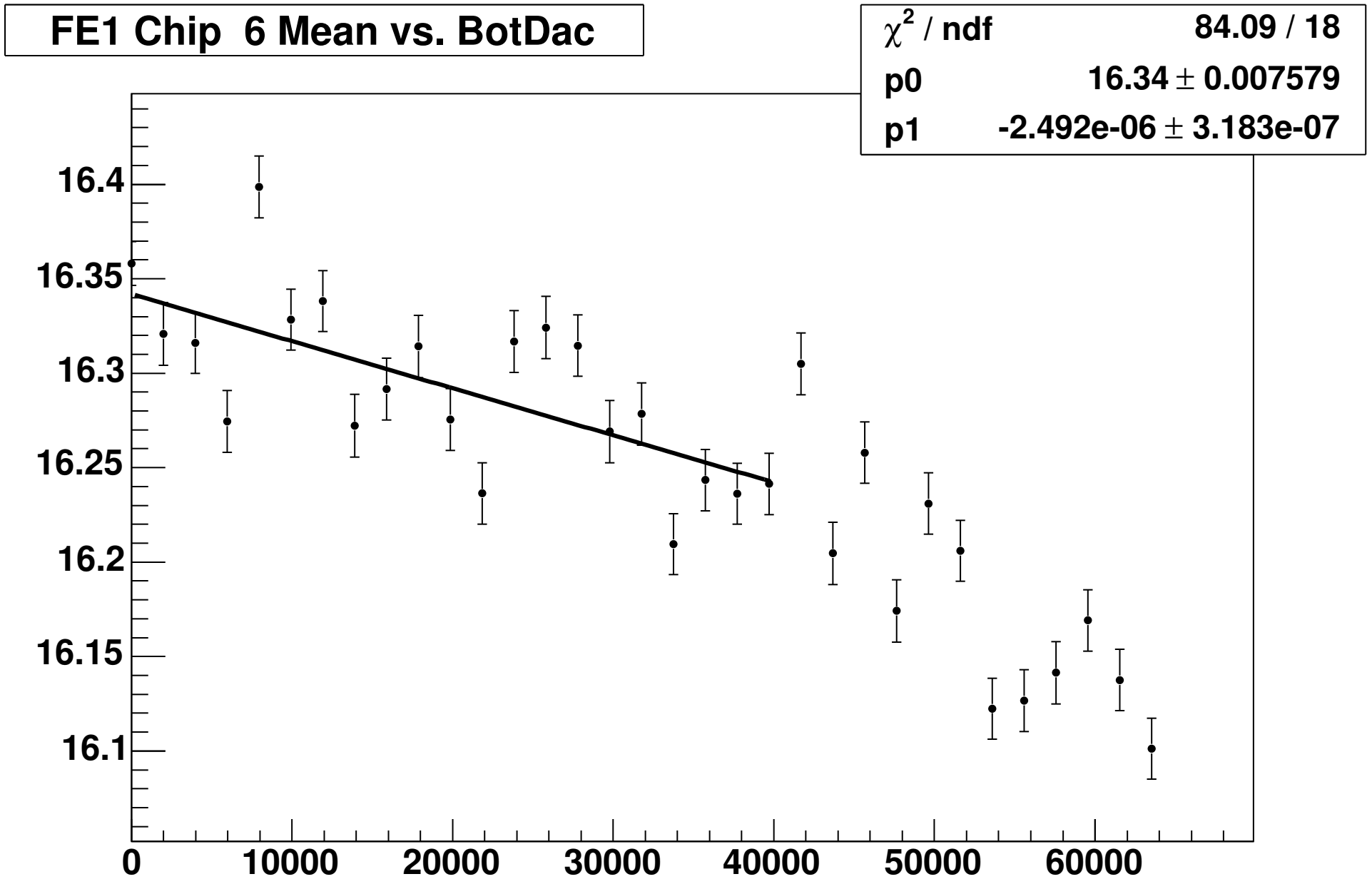
40000
50000
60000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 84.09 / 18
p0 16.34 ± 0.007579
p1 -2.492e-06 ± 3.183e-07
16.4
16.35
16.3
16.25
16.2
16.15
16.1
0
10000
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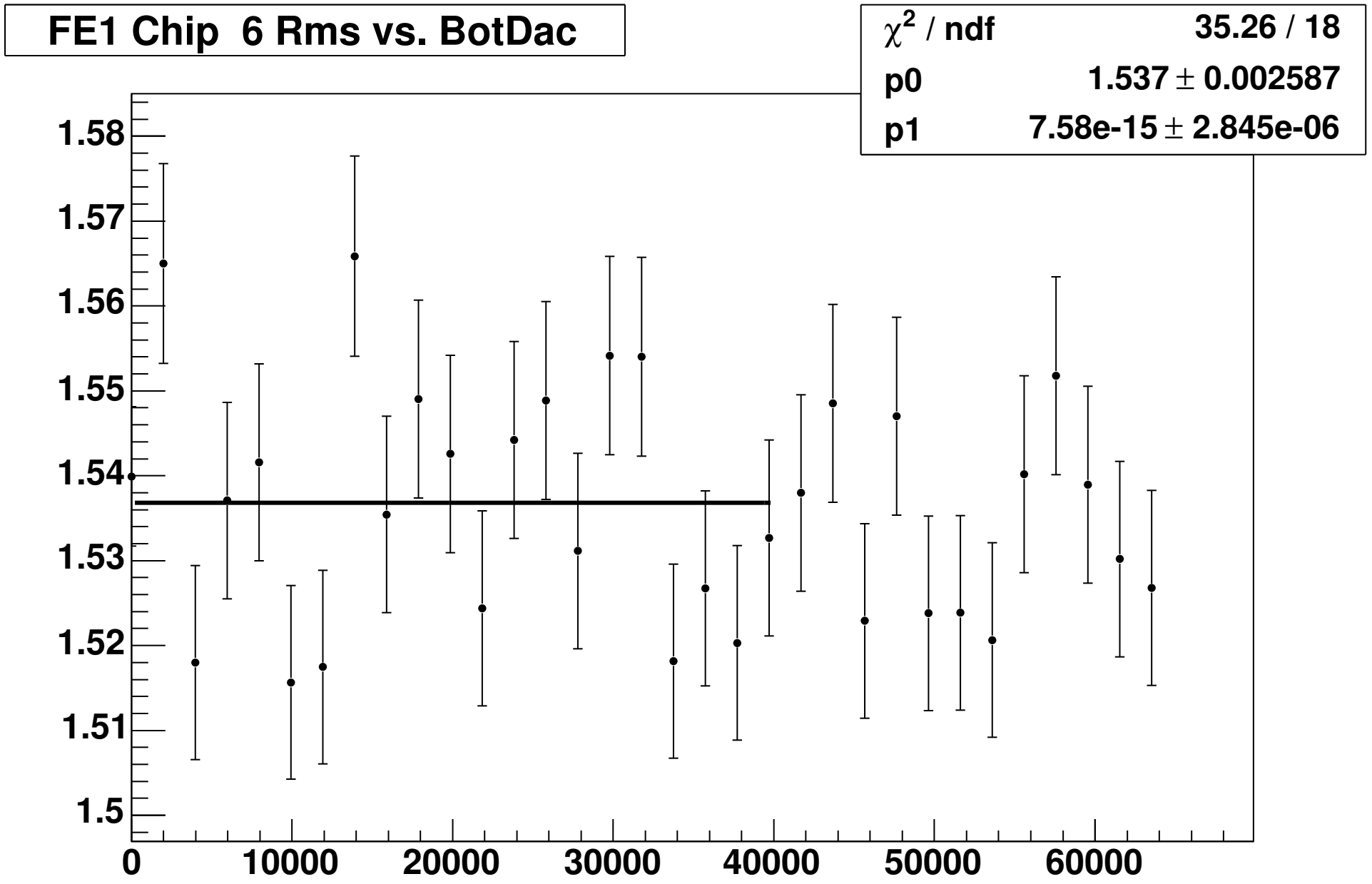
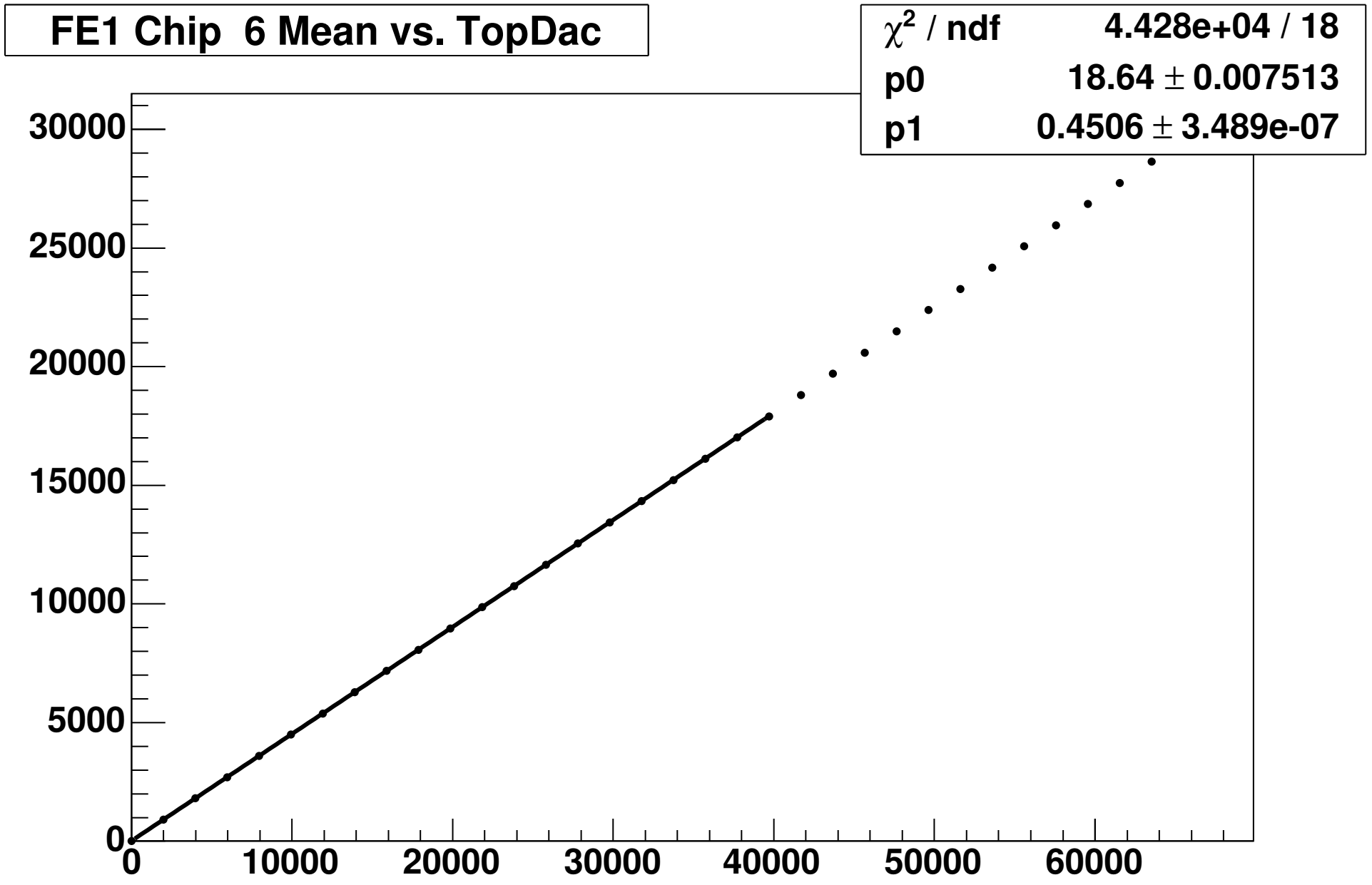
30000
40000
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 35.26 / 18
p0 1.537 ± 0.002587
p1 7.58e-15 ± 2.845e-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


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 4.428e+04 / 18
p0 18.64 ± 0.007513
p1 0.4506 ± 3.489e-07
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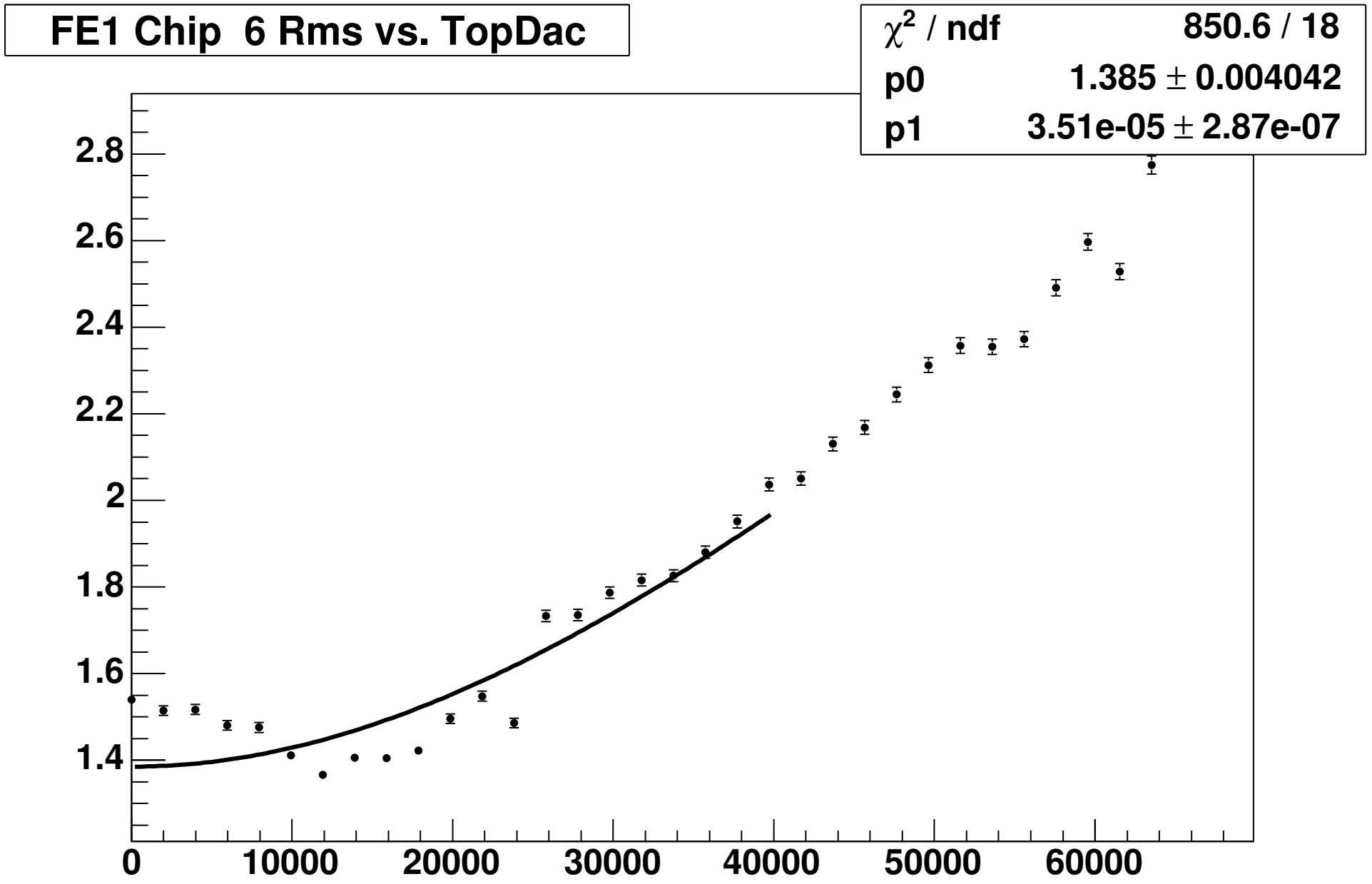
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 850.6 / 18
p0 1.385 ± 0.004042
p1 3.51e-05 ± 2.87e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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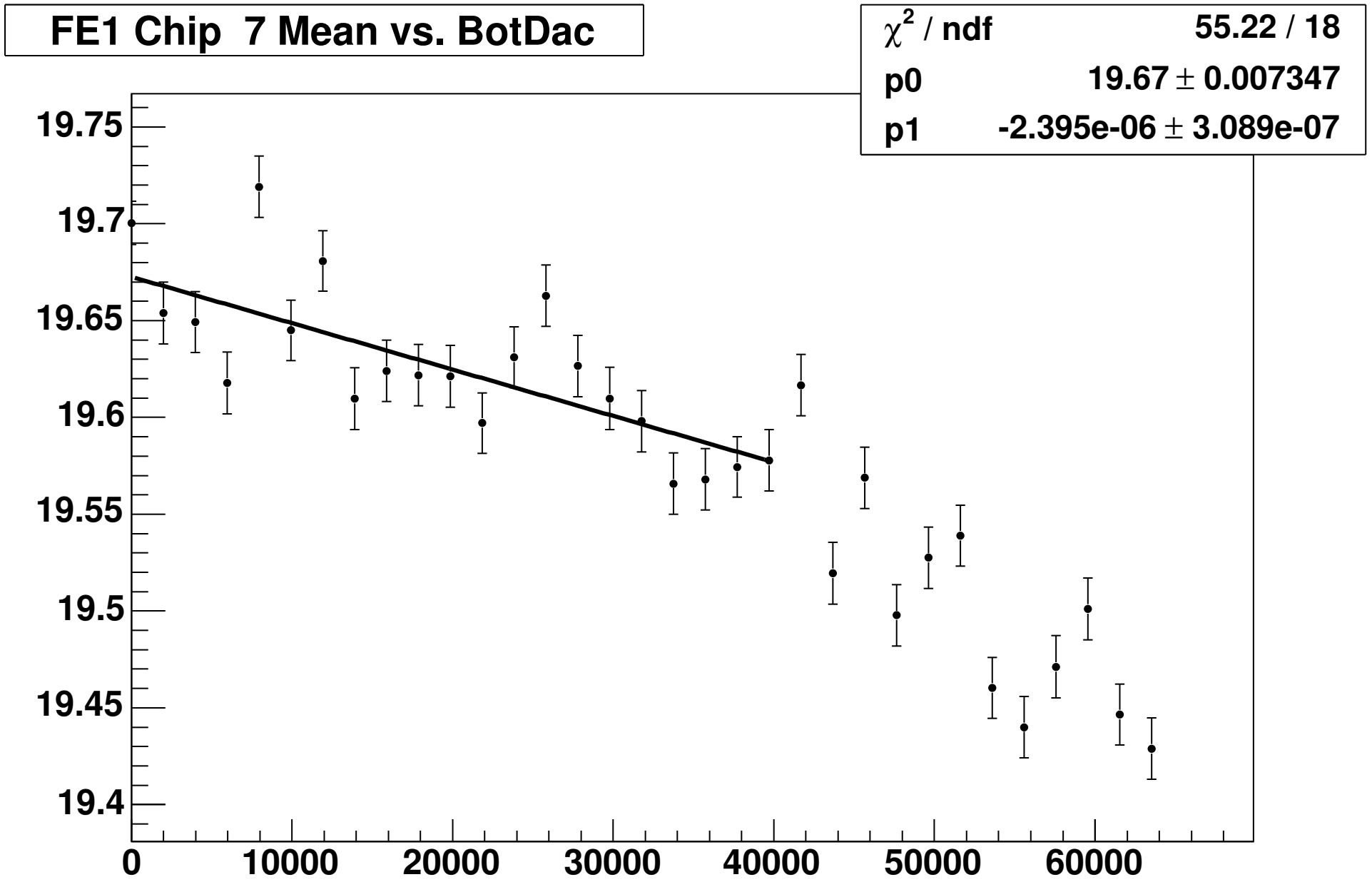
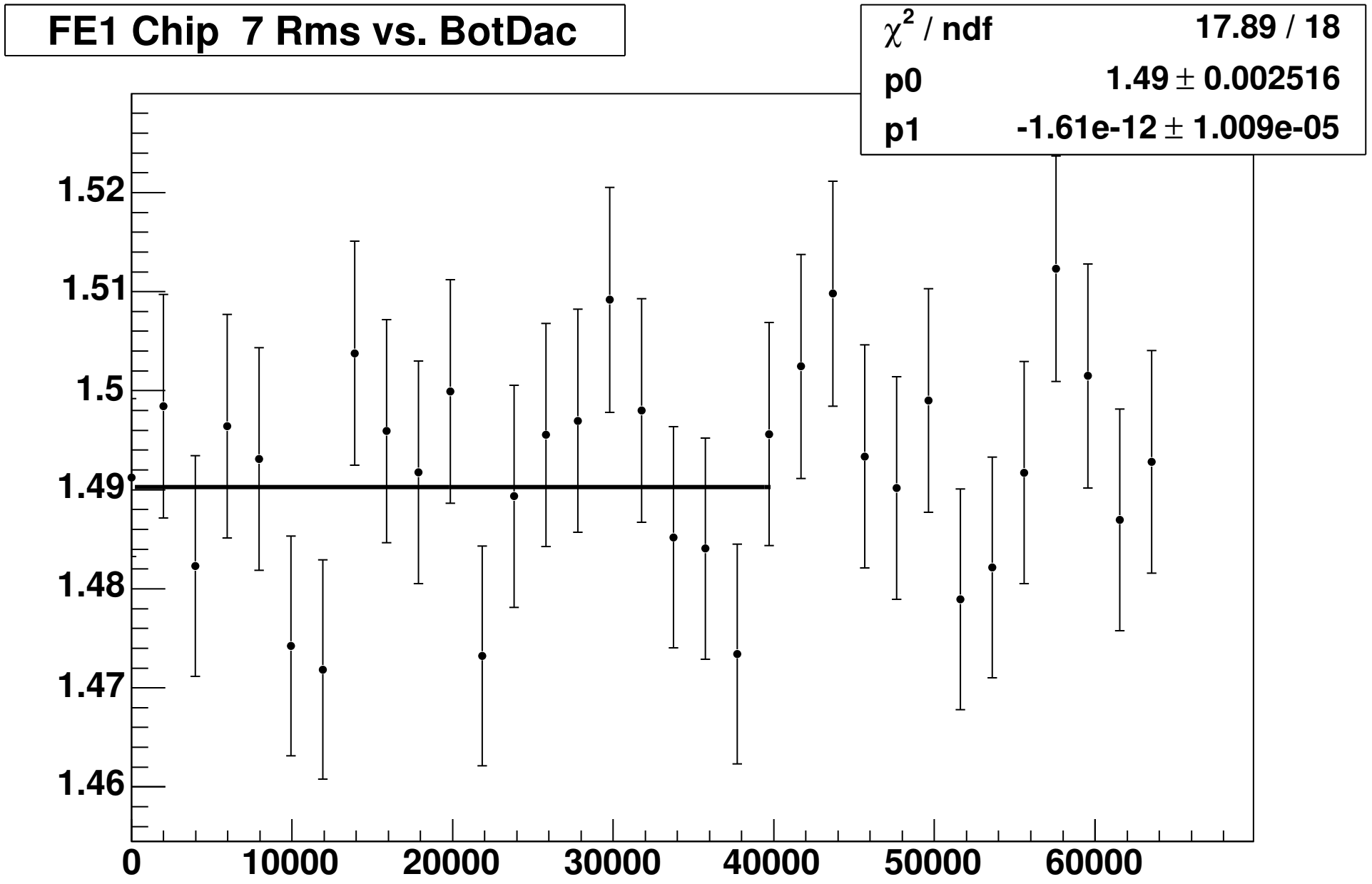
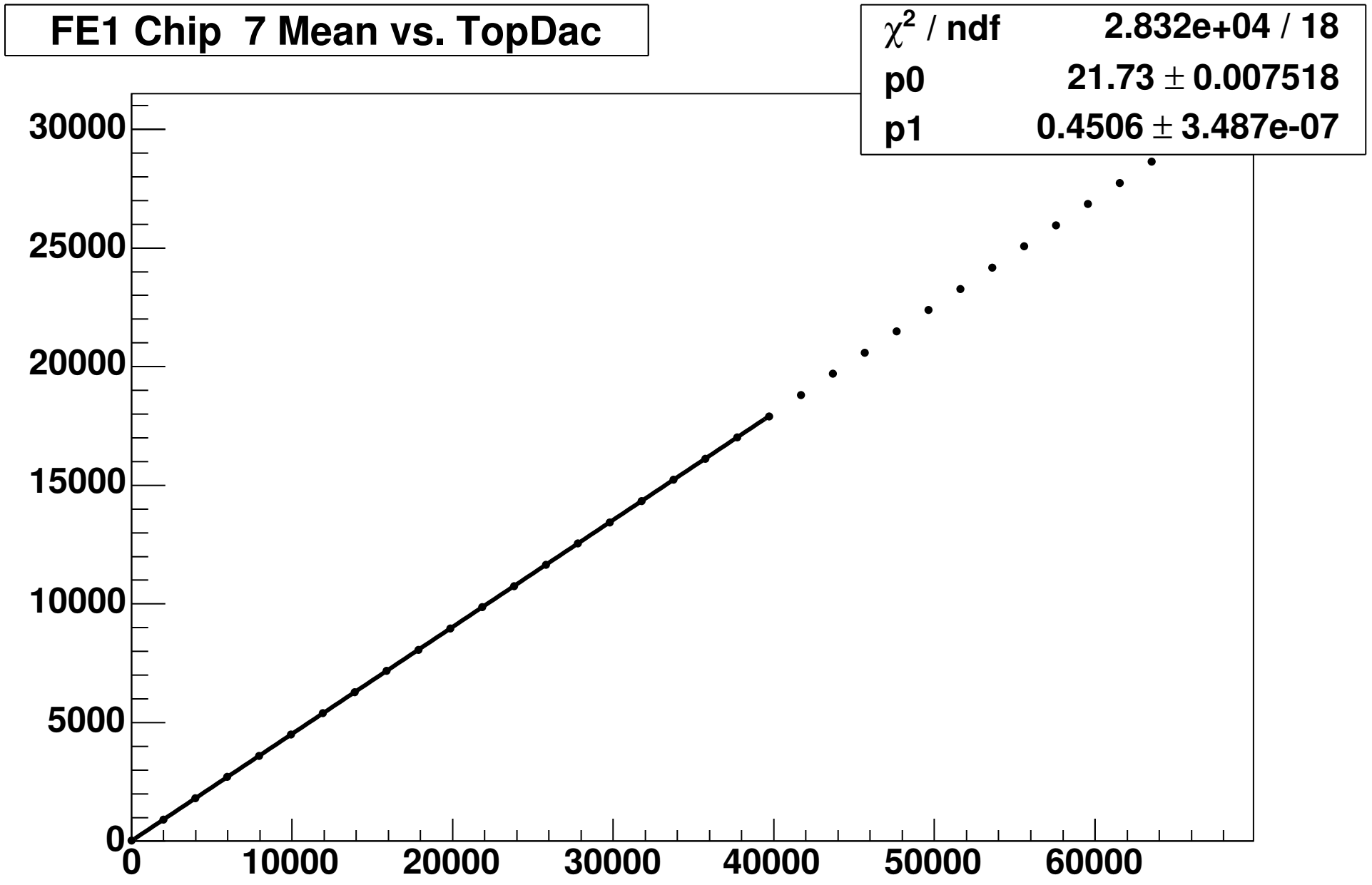
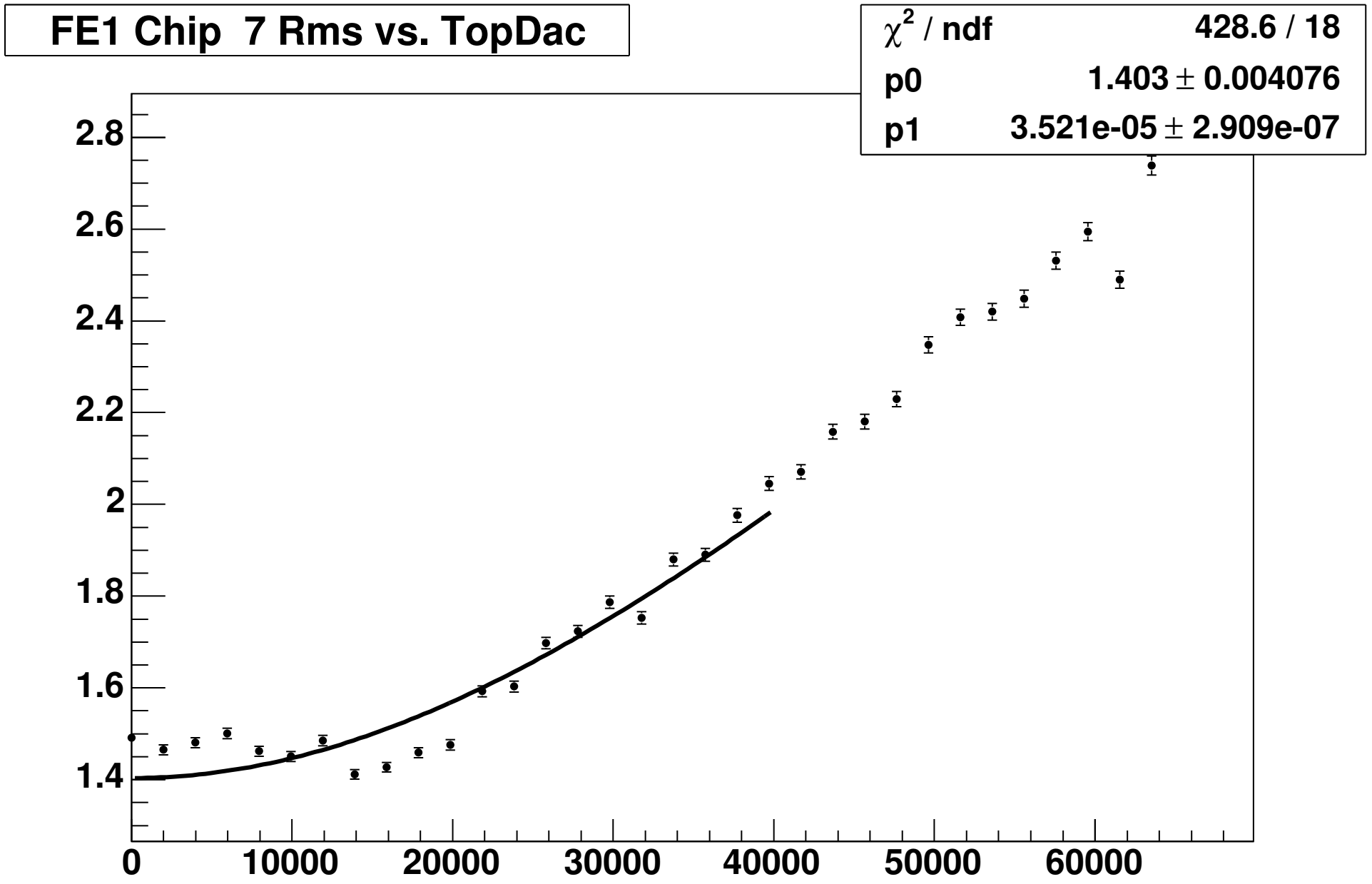
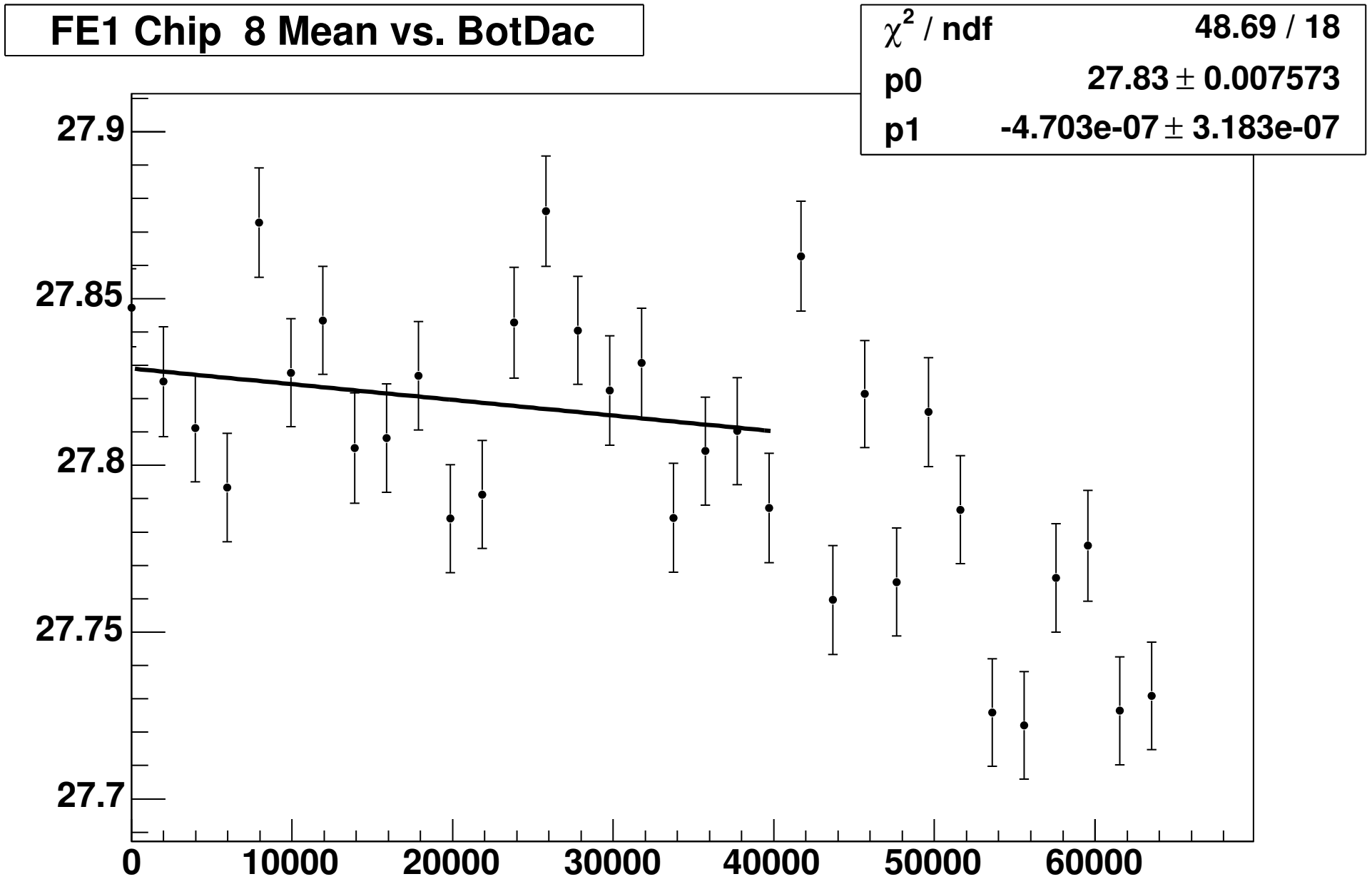
30000
40000
50000
60000

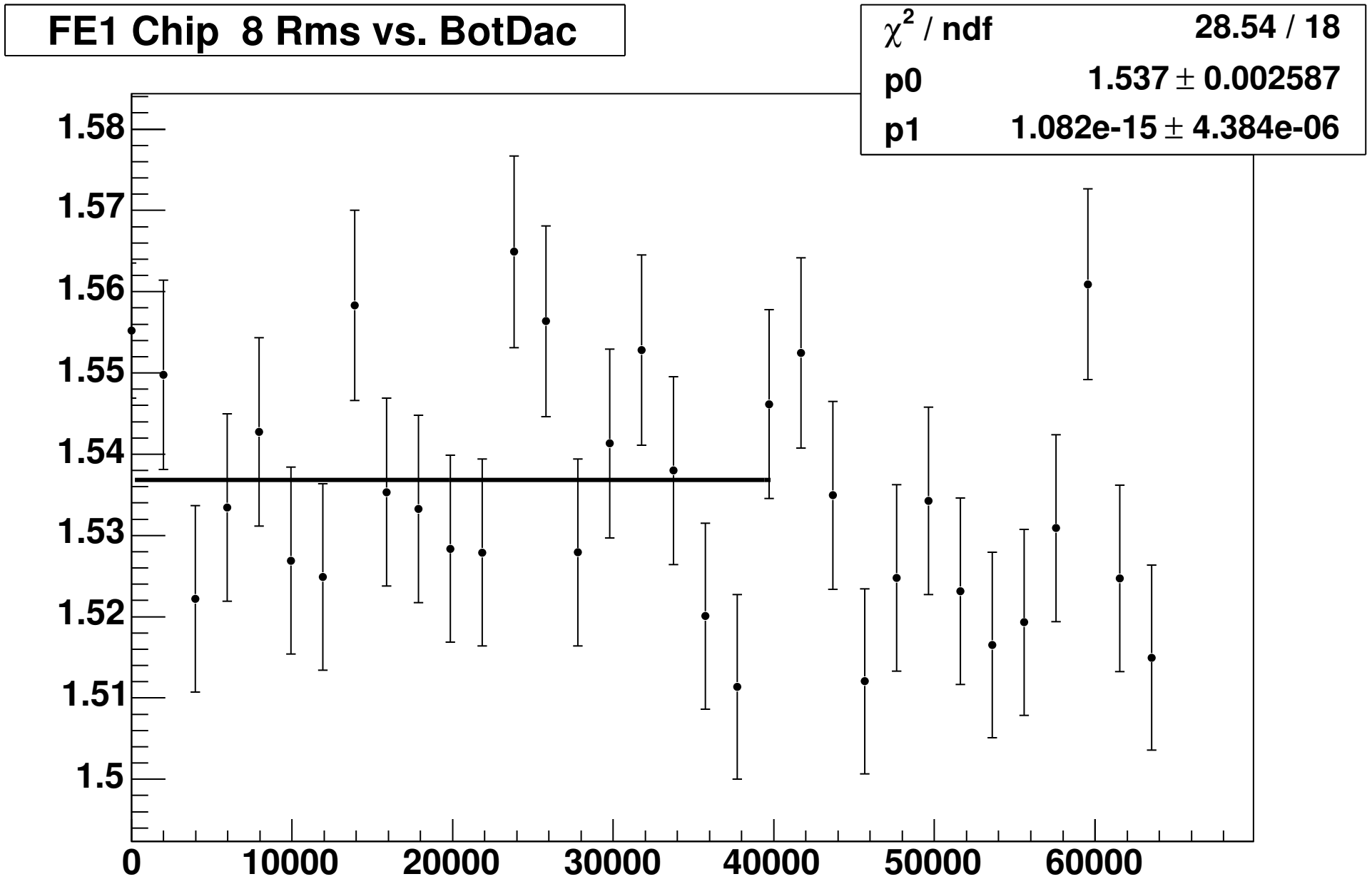

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 55.22 / 18
p0 19.67 ± 0.007347
p1 -2.395e-06 ± 3.089e-07
19.75
19.7
19.65
19.6
19.55
19.5
19.45
19.4
0
10000
20000
30000
40000
50000
60000

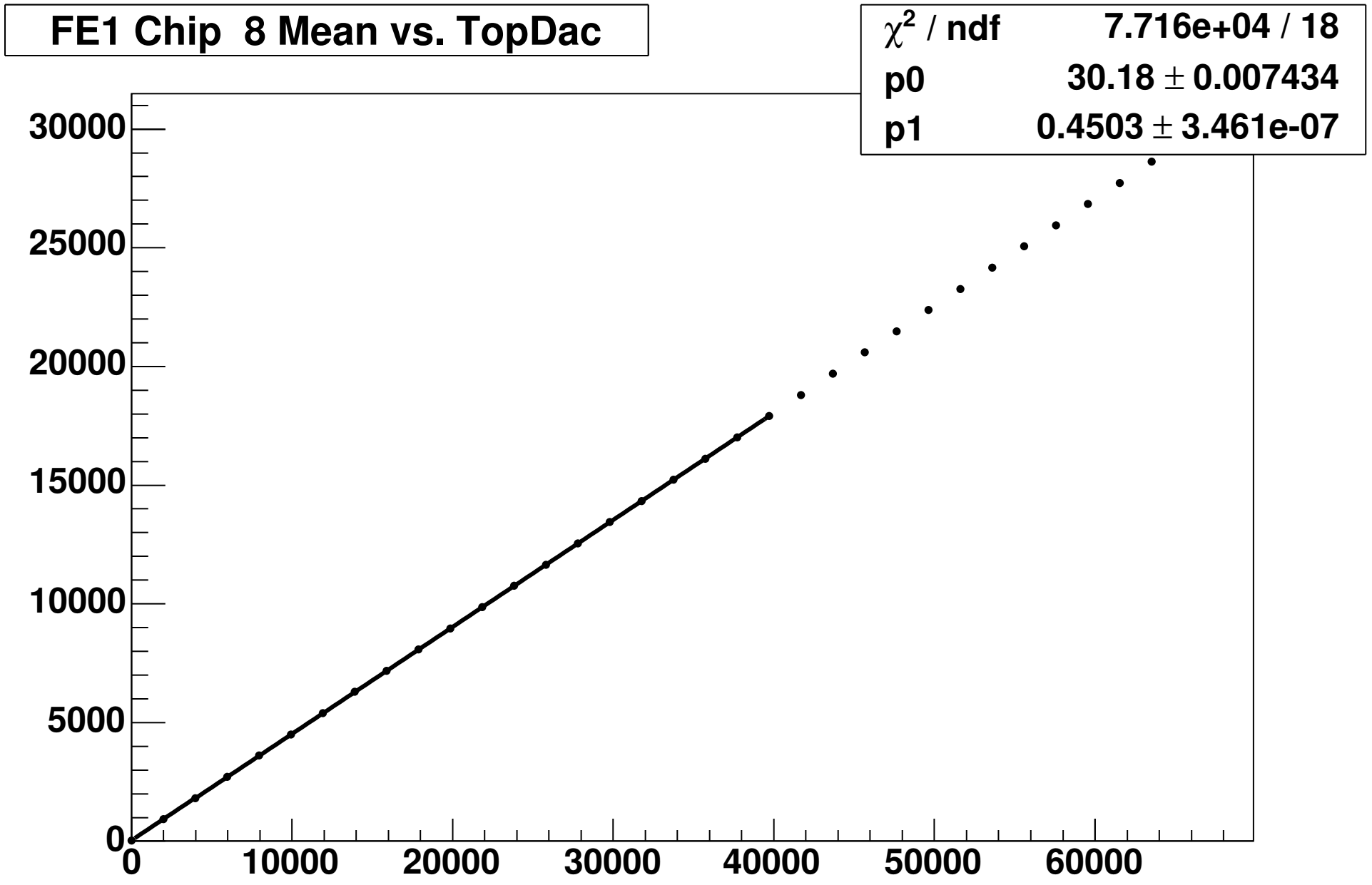

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 17.89 / 18
p0 1.49 ± 0.002516
p1 -1.61e-12 ± 1.009e-05
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

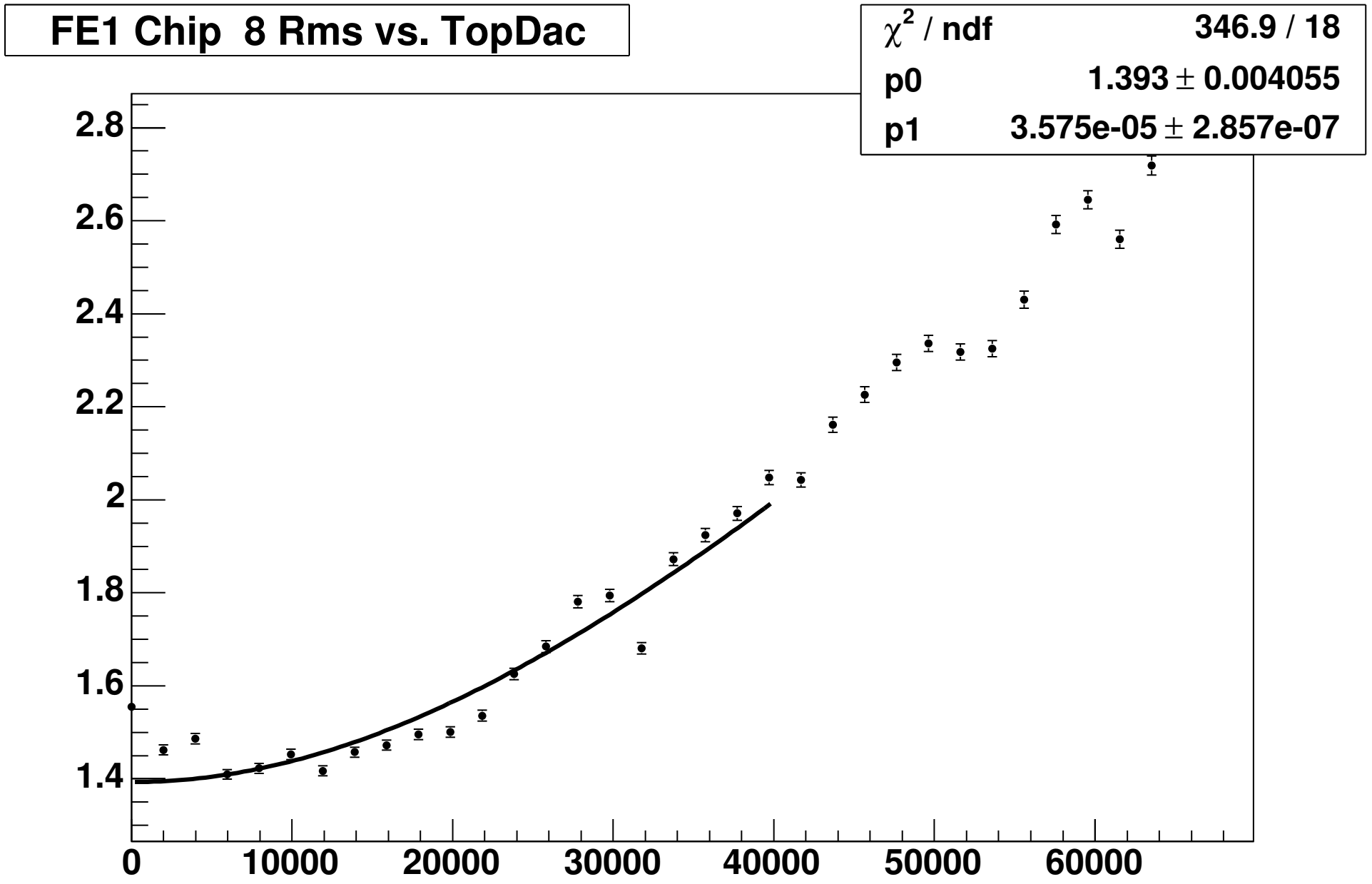

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 2.832e+04 / 18
p0 21.73 ± 0.007518
p1 0.4506 ± 3.487e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

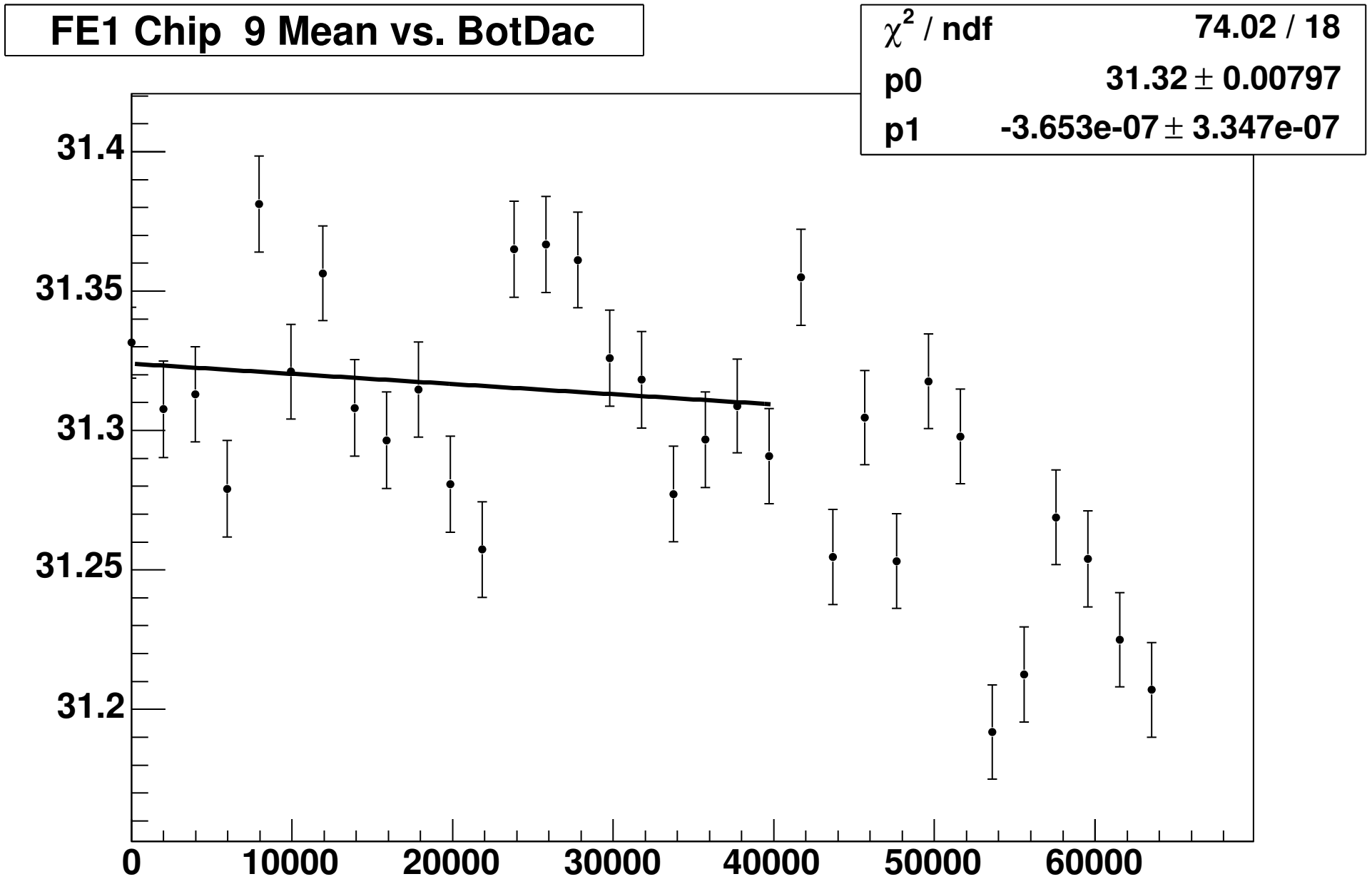

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 428.6 / 18
p0 1.403 ± 0.004076
p1 3.521e-05 ± 2.909e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

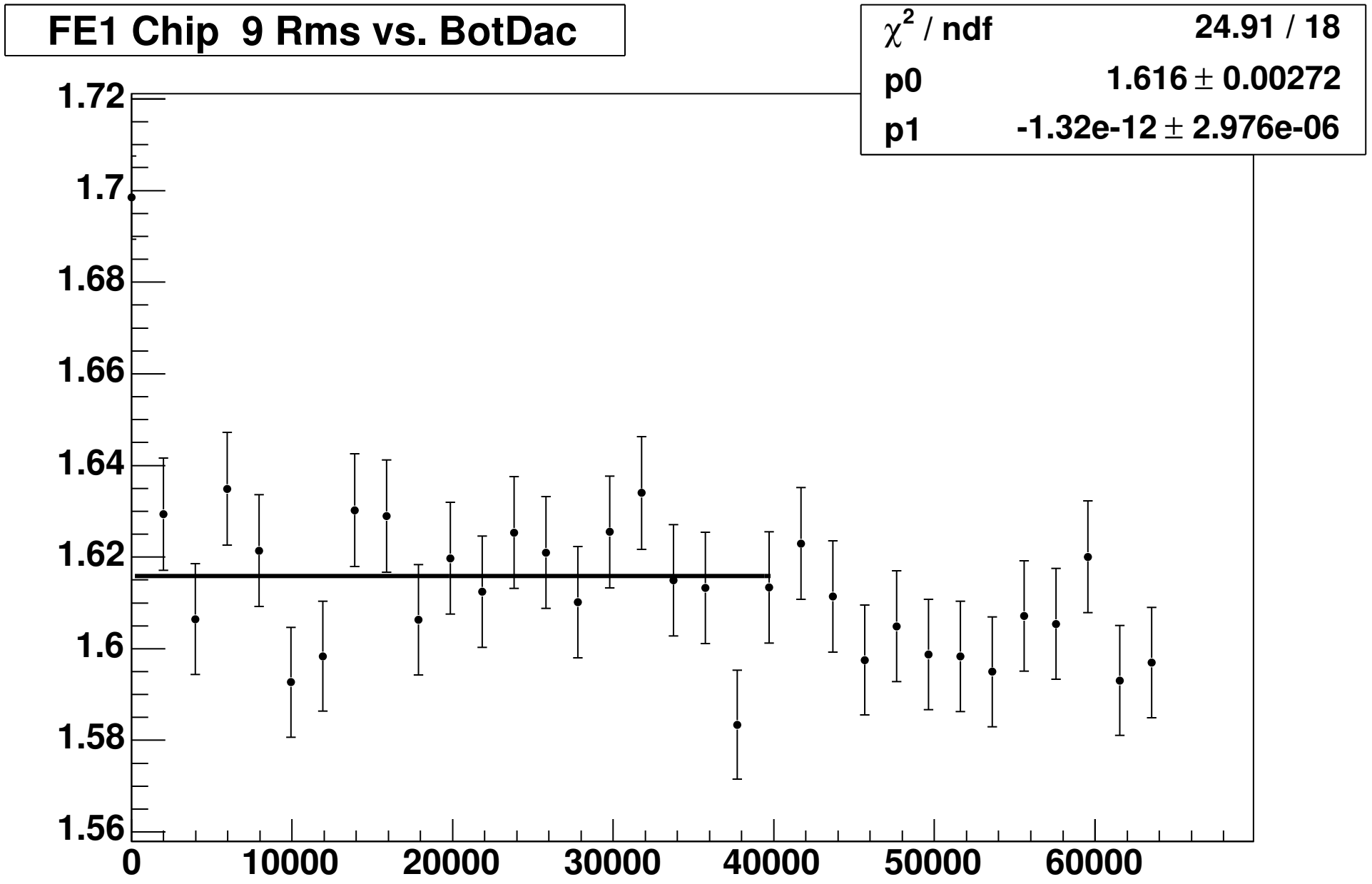

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 48.69 / 18
p0 27.83 ± 0.007573
p1 -4.703e-07 ± 3.183e-07
27.9
27.85
27.8
27.75
27.7
0
10000
20000
30000
40000
50000
60000

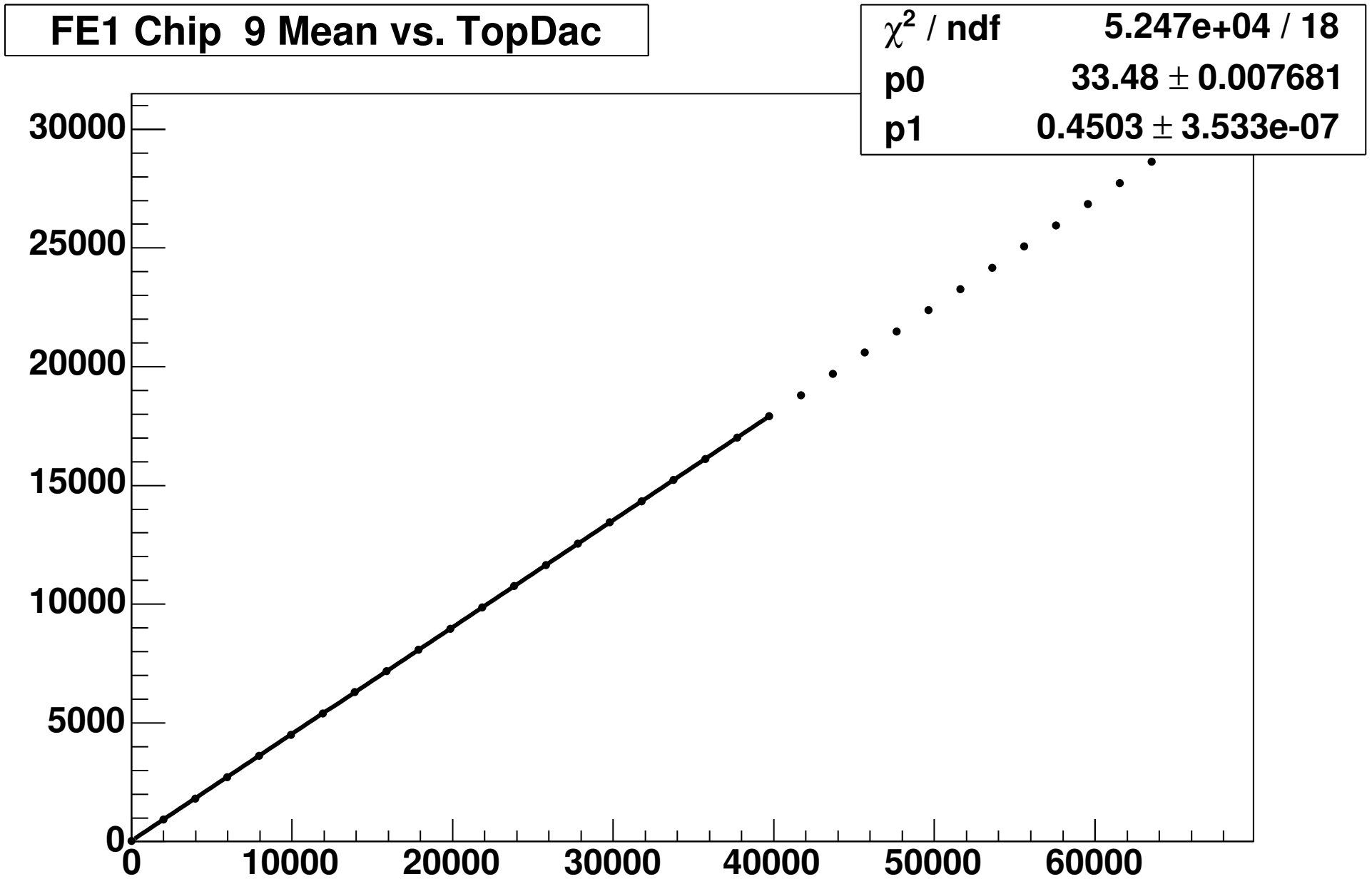

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 28.54 / 18
p0 1.537 ± 0.002587
p1 1.082e-15 ± 4.384e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

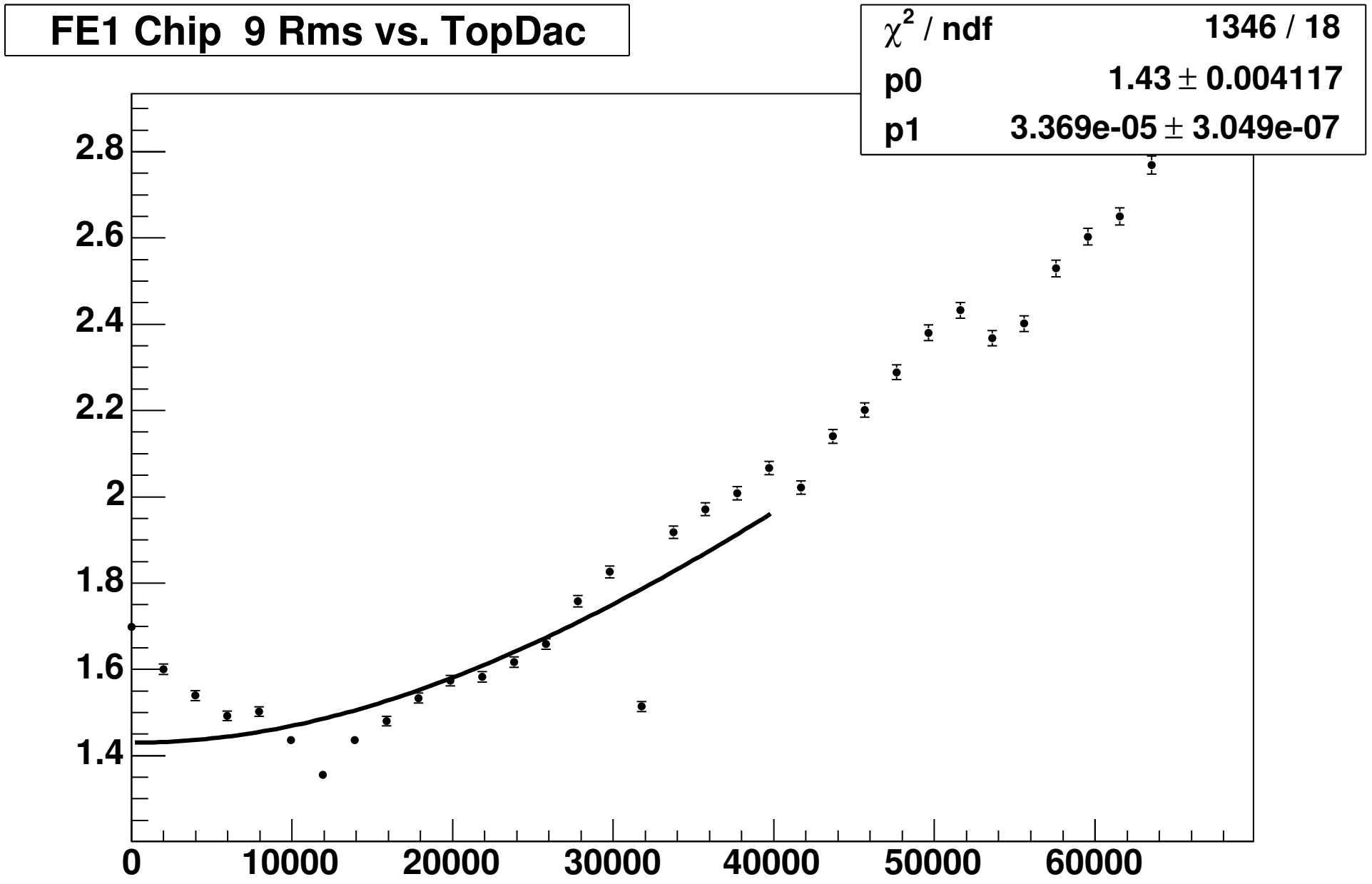

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 7.716e+04 / 18
p0 30.18 ± 0.007434
p1 0.4503 ± 3.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ^2 / ndf 346.9 / 18
p0 1.393 ± 0.004055
p1 3.575e-05 ± 2.857e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 74.02 / 18
p0 31.32 ± 0.00797
p1 -3.653e-07 ± 3.347e-07
31.4
31.35
31.3
31.25
31.2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 24.91 / 18
p0 1.616 ± 0.00272
p1 -1.32e-12 ± 2.976e-06
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 5.247e+04 / 18
p0 33.48 ± 0.007681
p1 0.4503 ± 3.533e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1346 / 18
p0 1.43 ± 0.004117
p1 3.369e-05 ± 3.049e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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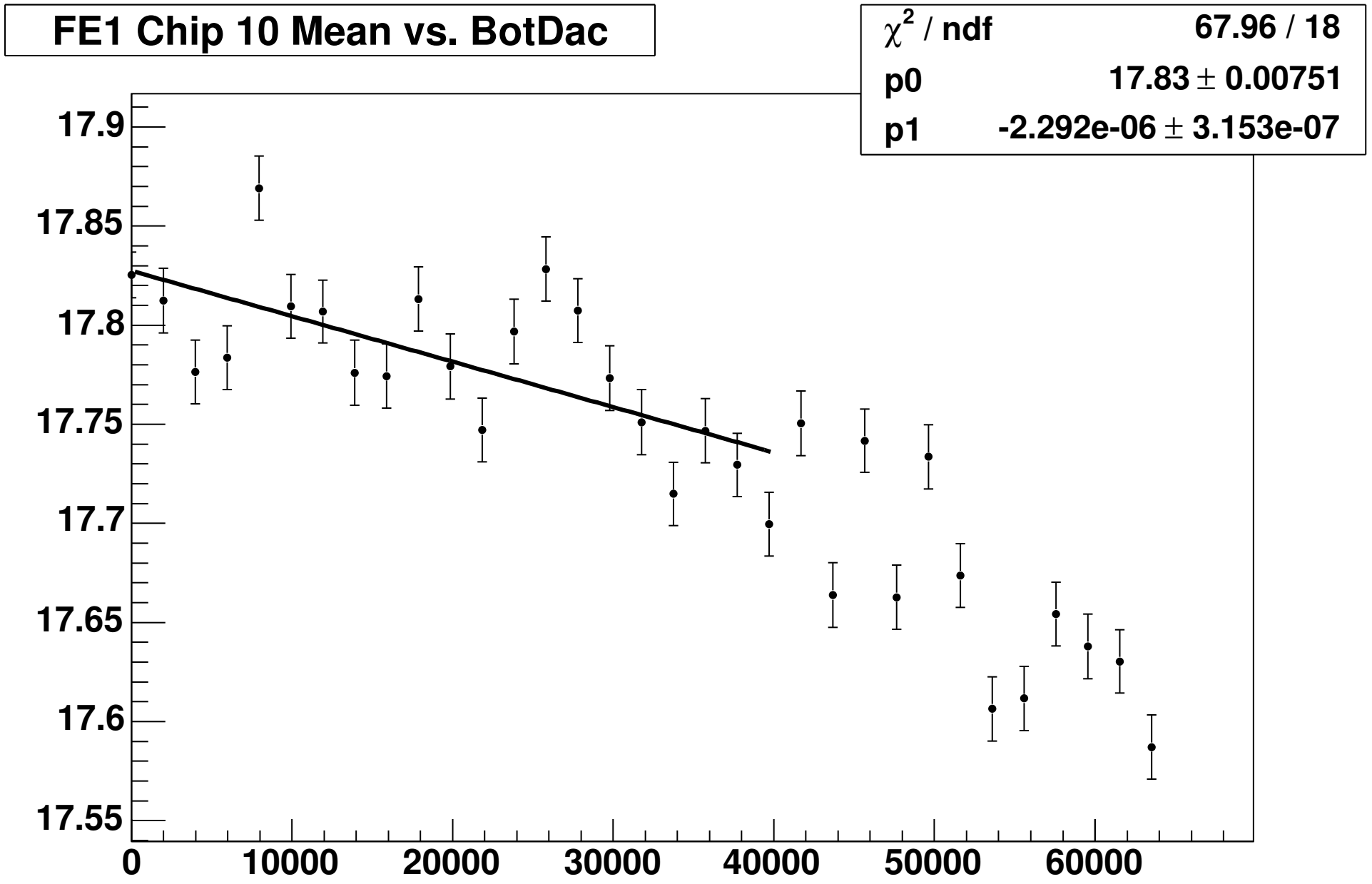
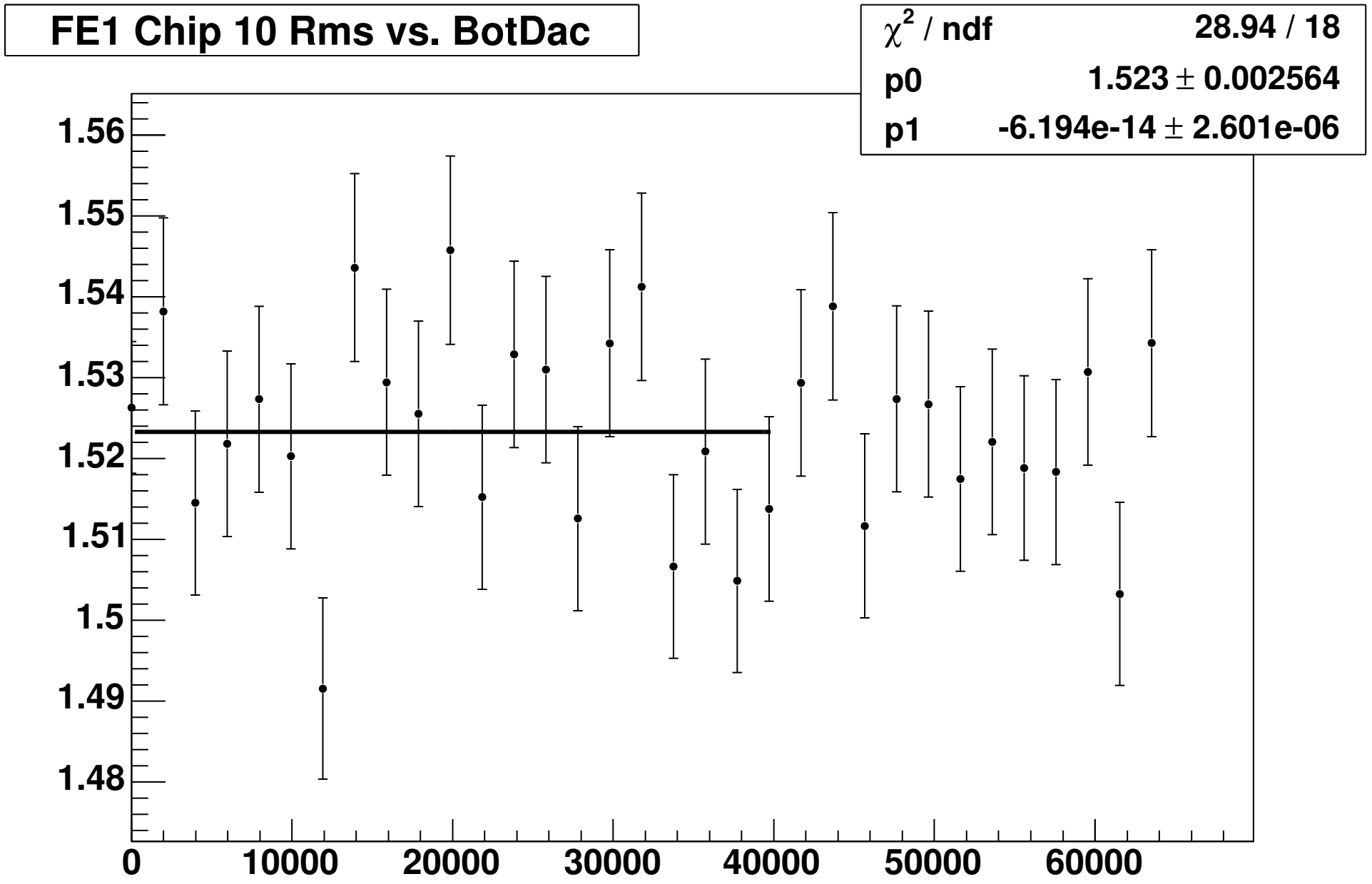
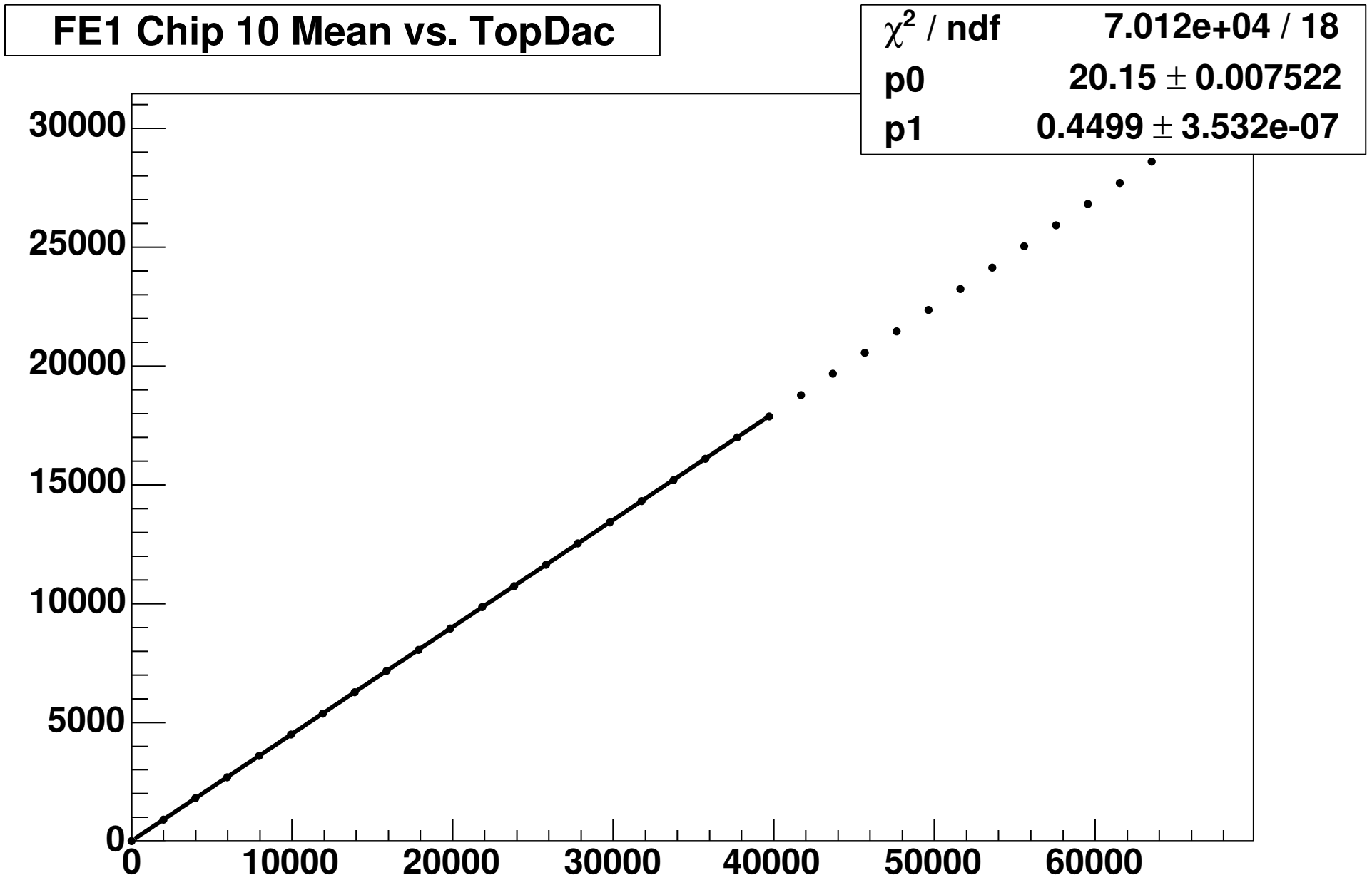
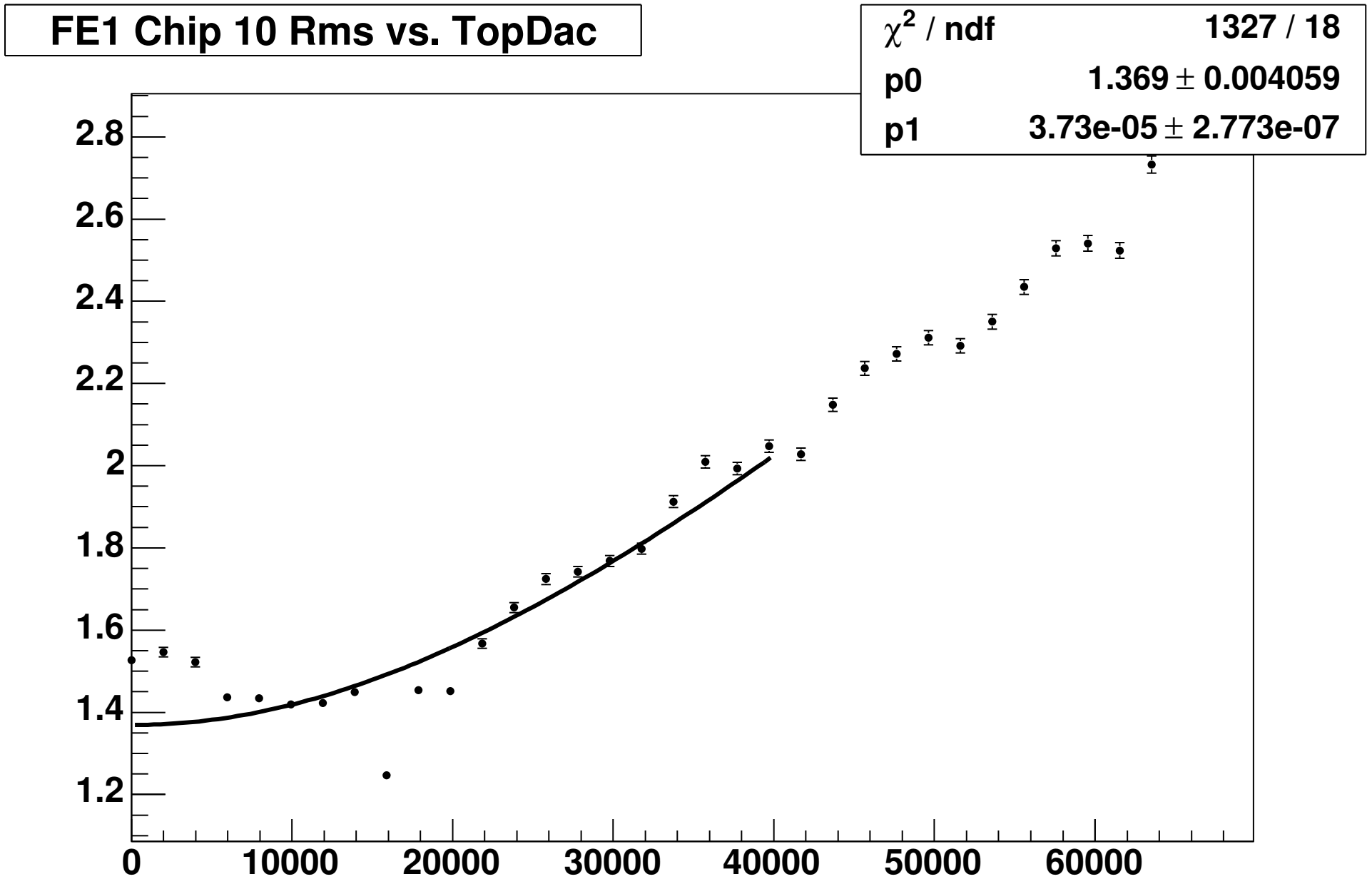
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 67.96 / 18
p0 17.83 ± 0.00751
p1 -2.292e-06 ± 3.153e-07
17.9
17.85
17.8
17.75
17.7
17.65
17.6
17.55
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 28.94 / 18
p0 1.523 ± 0.002564
p1 -6.194e-14 ± 2.601e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 7.012e+04 / 18
p0 20.15 ± 0.007522
p1 0.4499 ± 3.532e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1327 / 18
p0 1.369 ± 0.004059
p1 3.73e-05 ± 2.773e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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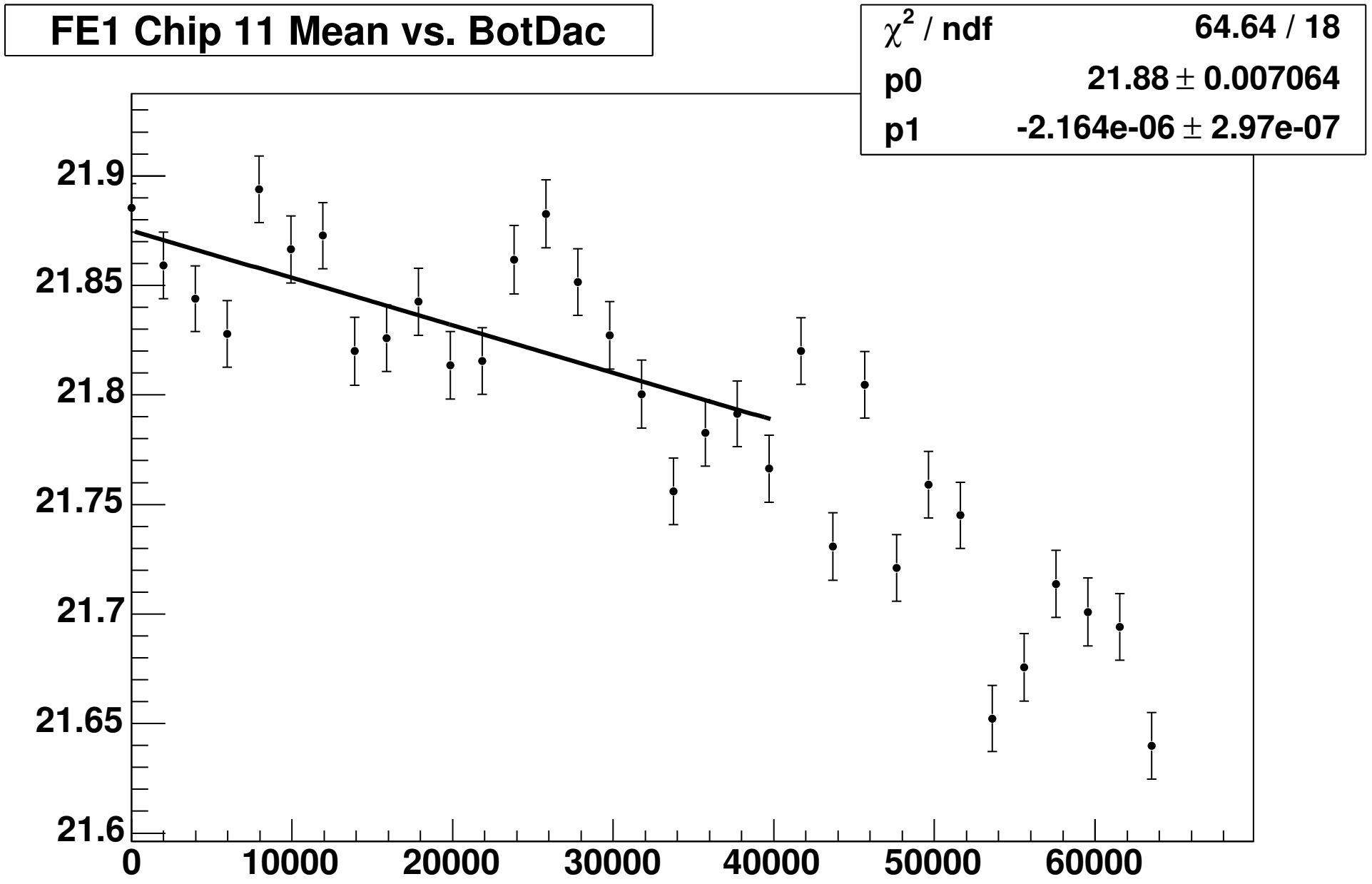
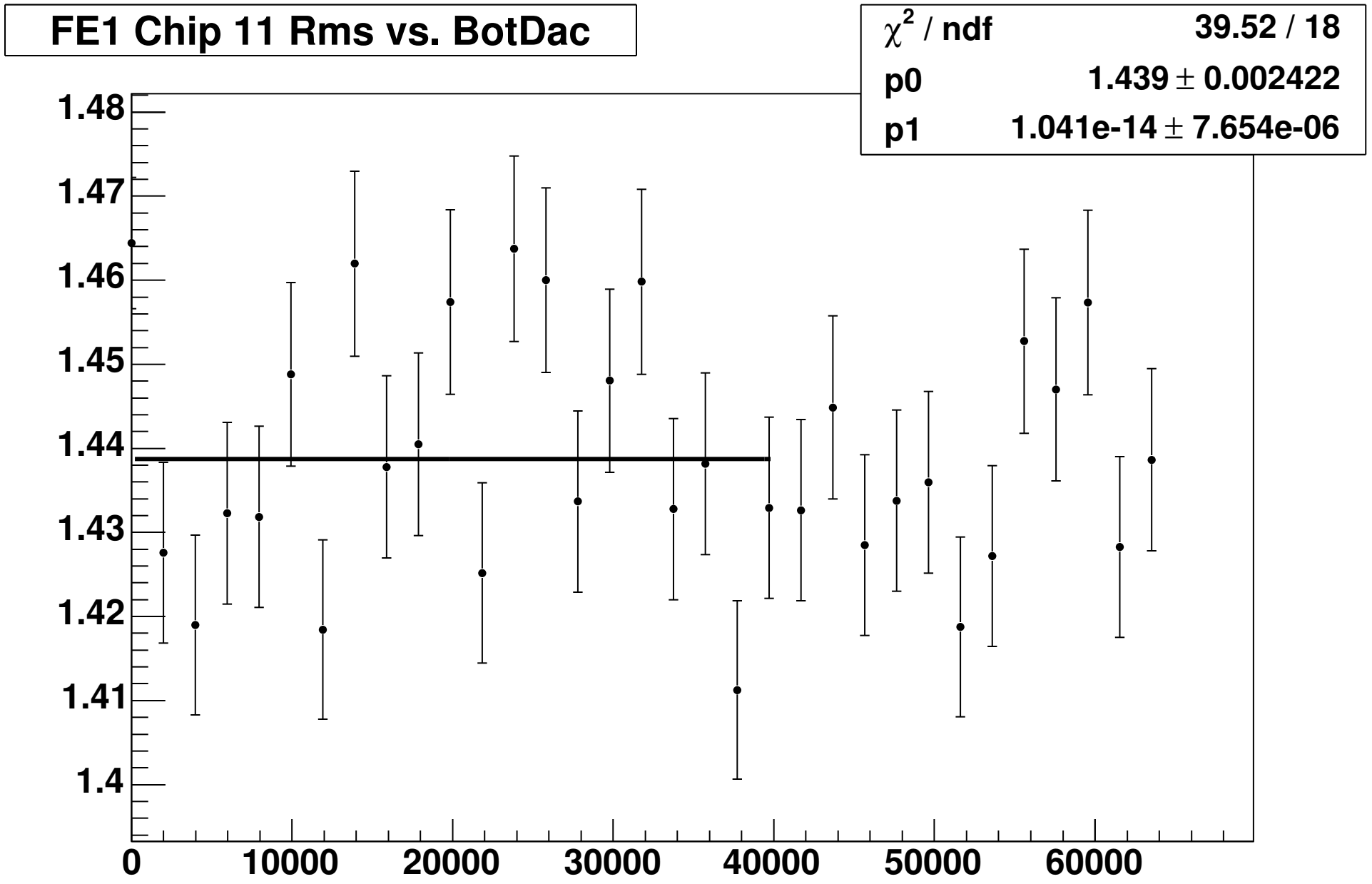
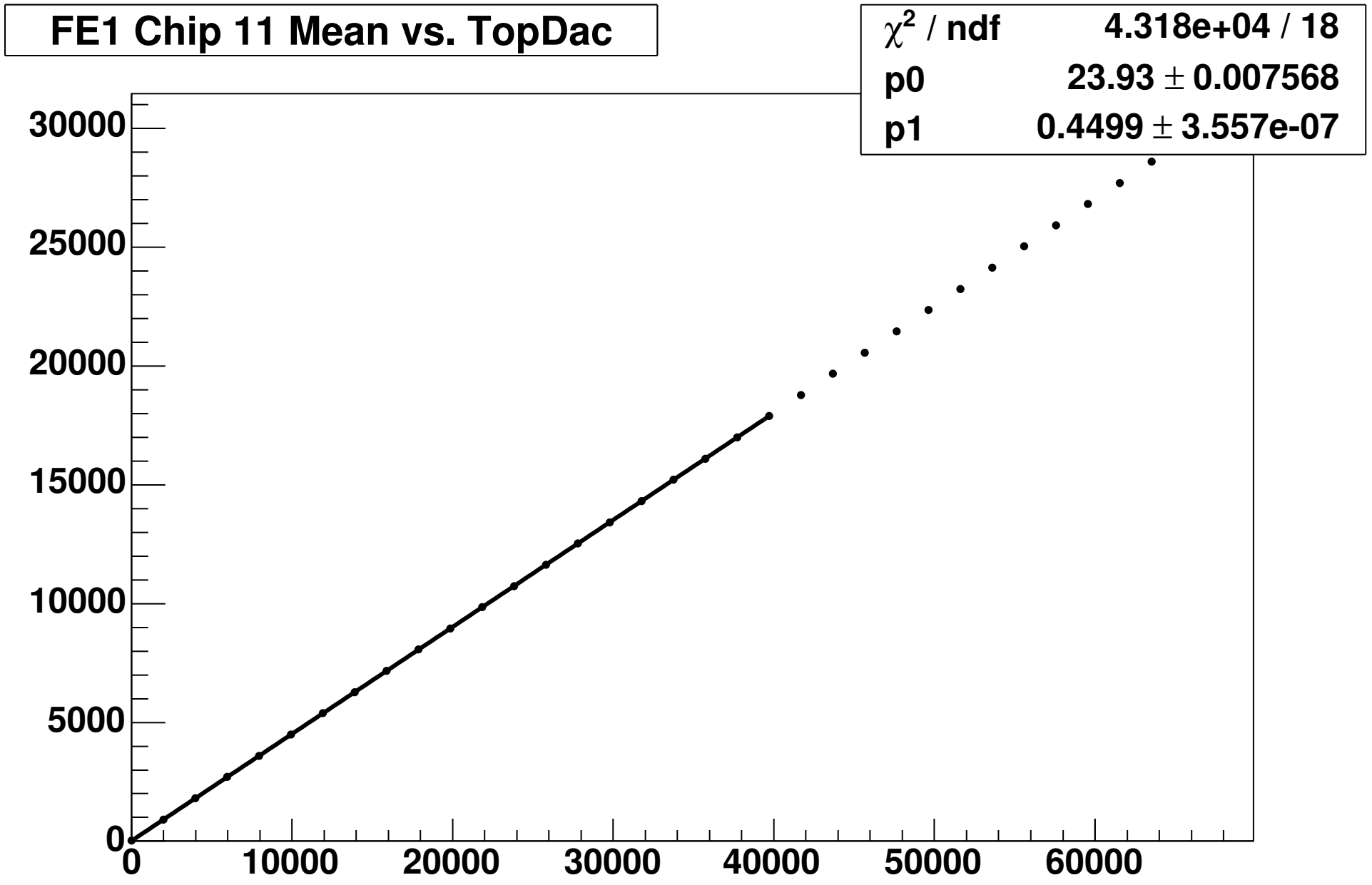

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 64.64 / 18
p0 21.88 ± 0.007064
p1 -2.164e-06 ± 2.97e-07
21.9
21.85
21.8
21.75
21.7
21.65
21.6
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 39.52 / 18
p0 1.439 ± 0.002422
p1 1.041e-14 ± 7.654e-06
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


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 4.318e+04 / 18
p0 23.93 ± 0.007568
p1 0.4499 ± 3.557e-07
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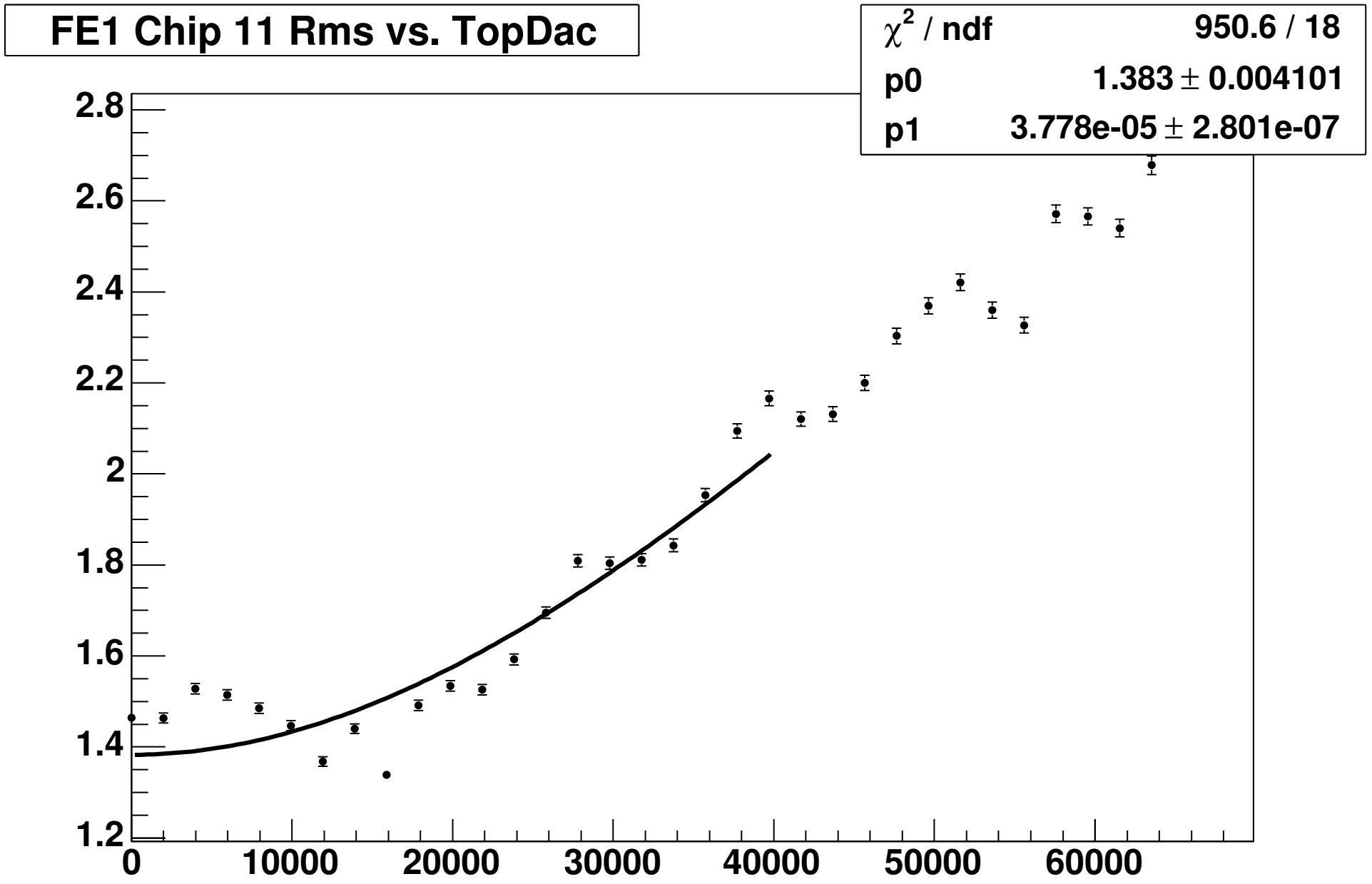
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 950.6 / 18
p0 1.383 ± 0.004101
p1 3.778e-05 ± 2.801e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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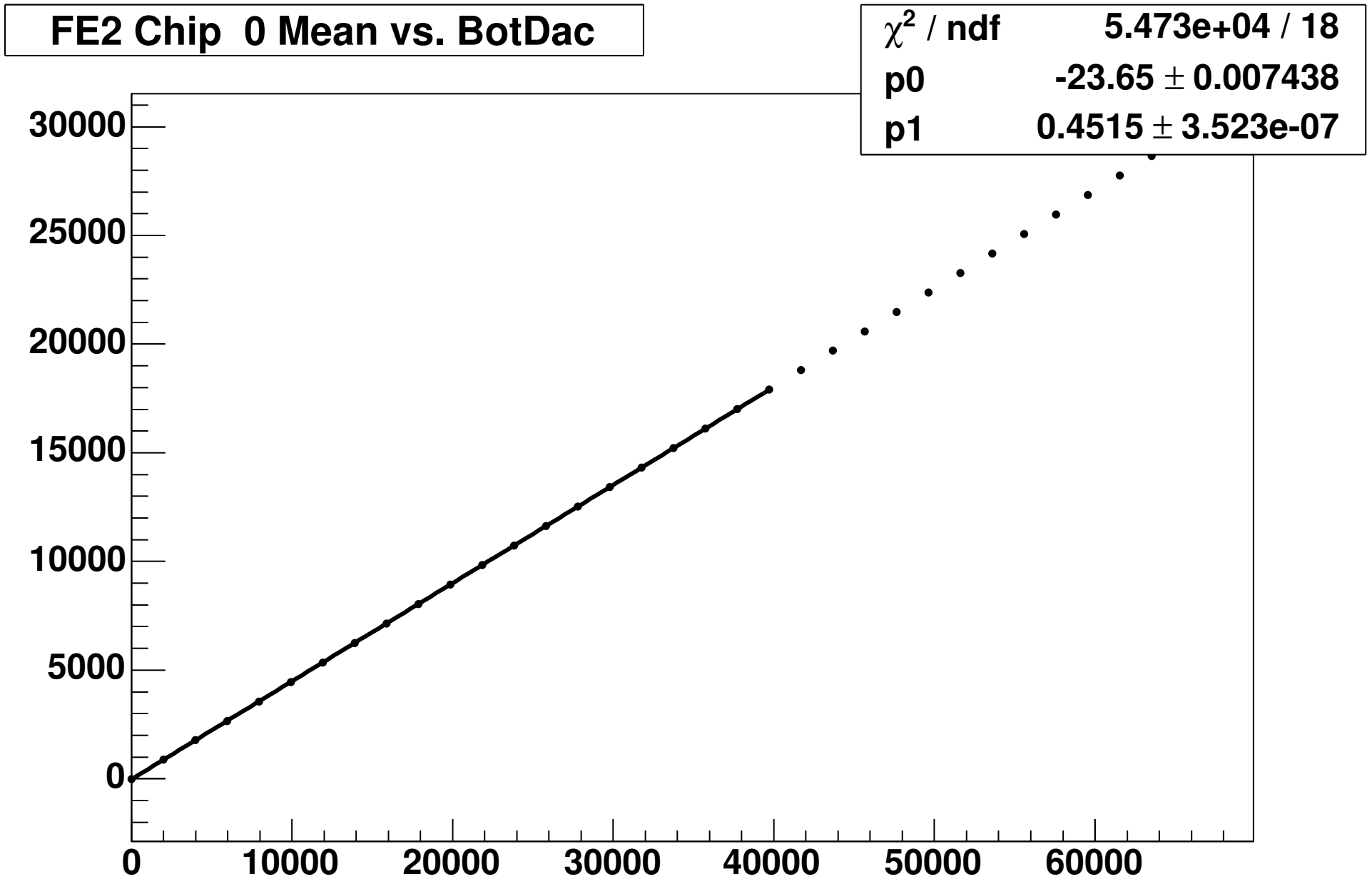
FE2 Chip 0 Mean vs. BotDac
χ² / ndf 5.473e+04 / 18
p0 -23.65 ± 0.007438
p1 0.4515 ± 3.523e-07
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25000
20000
15000
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5000
0
0
10000
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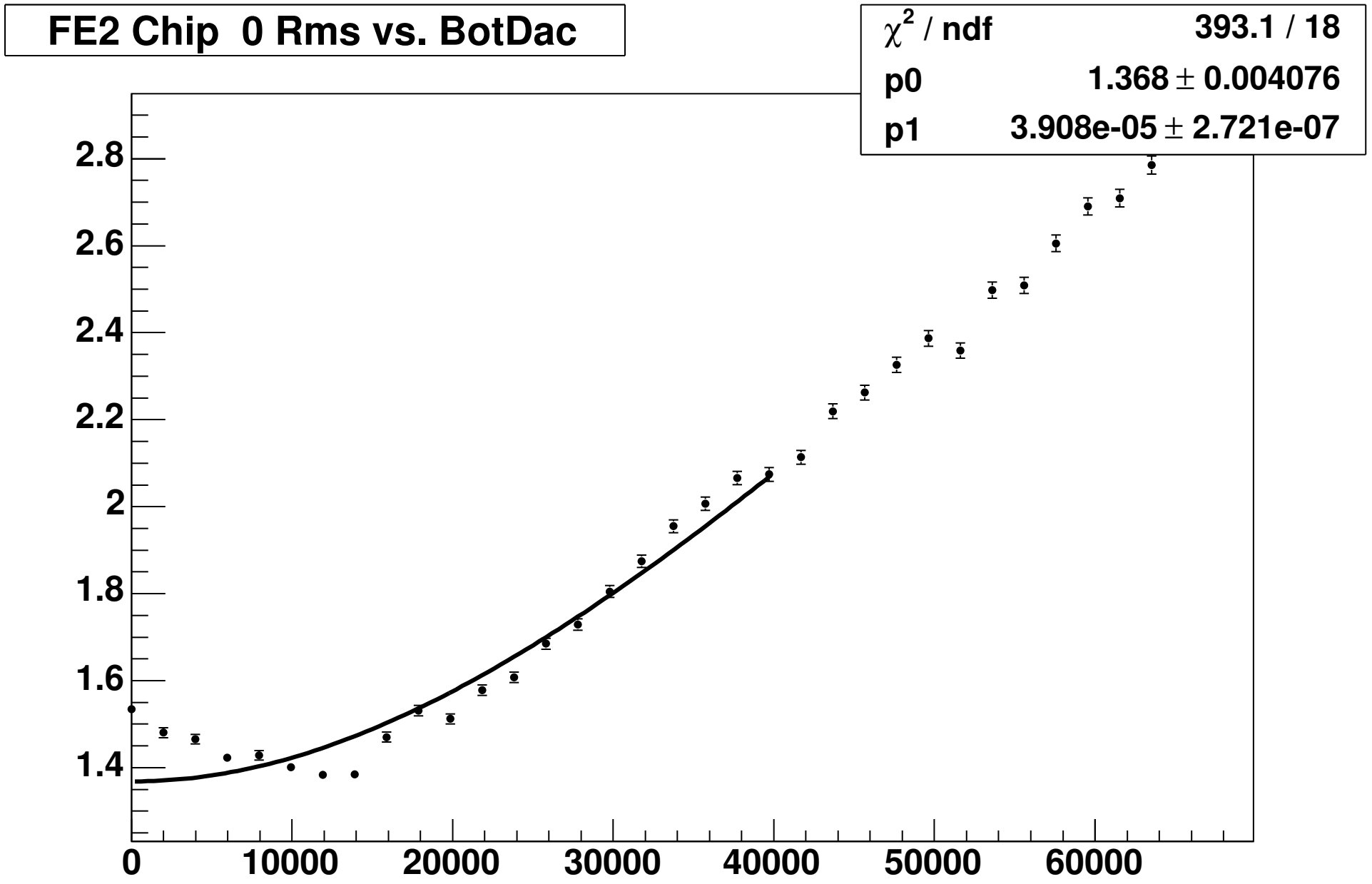
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 393.1 / 18
p0 1.368 ± 0.004076
p1 3.908e-05 ± 2.721e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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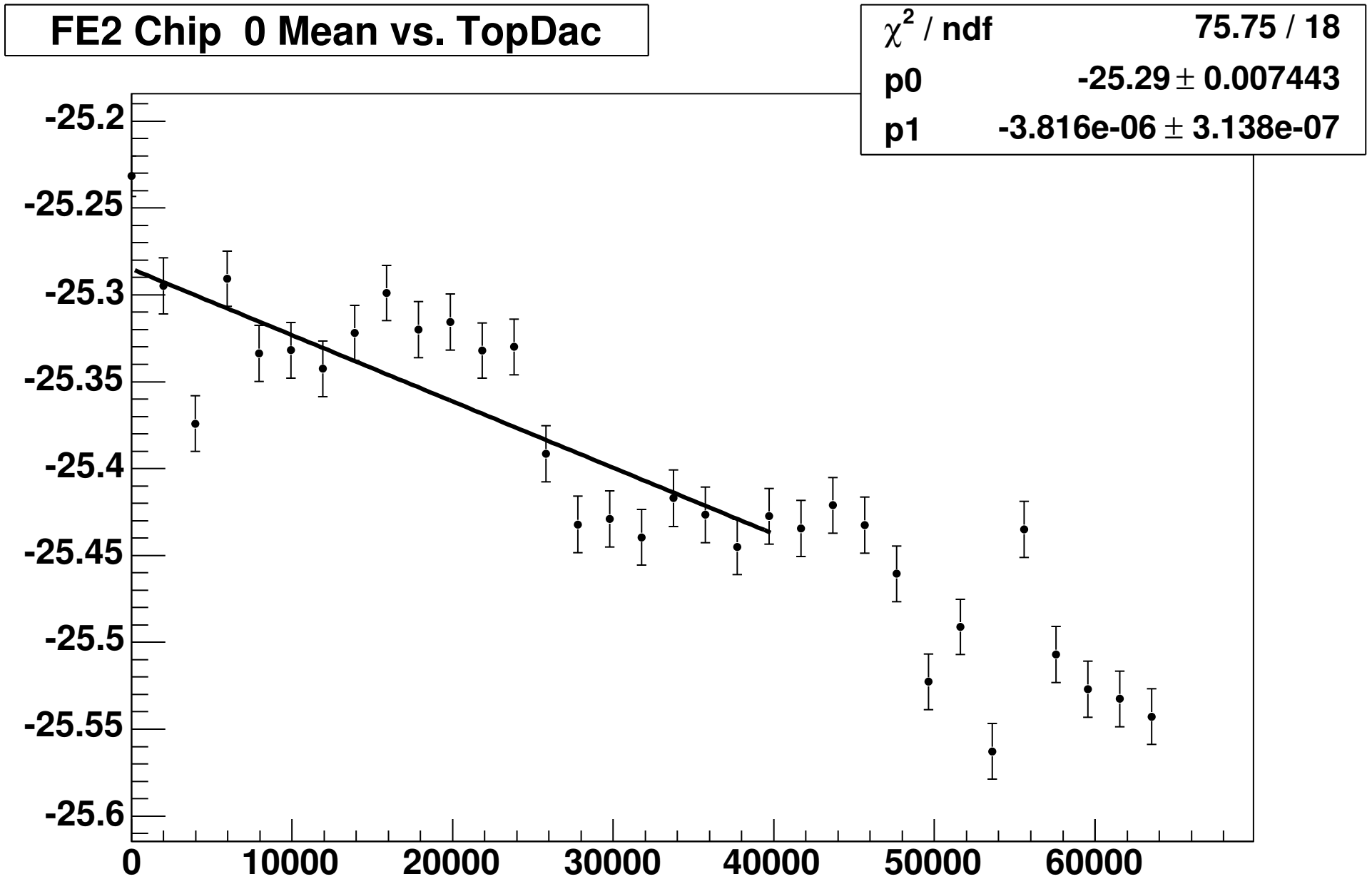
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 75.75 / 18
p0 -25.29 ± 0.007443
p1 -3.816e-06 ± 3.138e-07
-25.2
-25.25
-25.3
-25.35
-25.4
-25.45
-25.5
-25.55
-25.6
0
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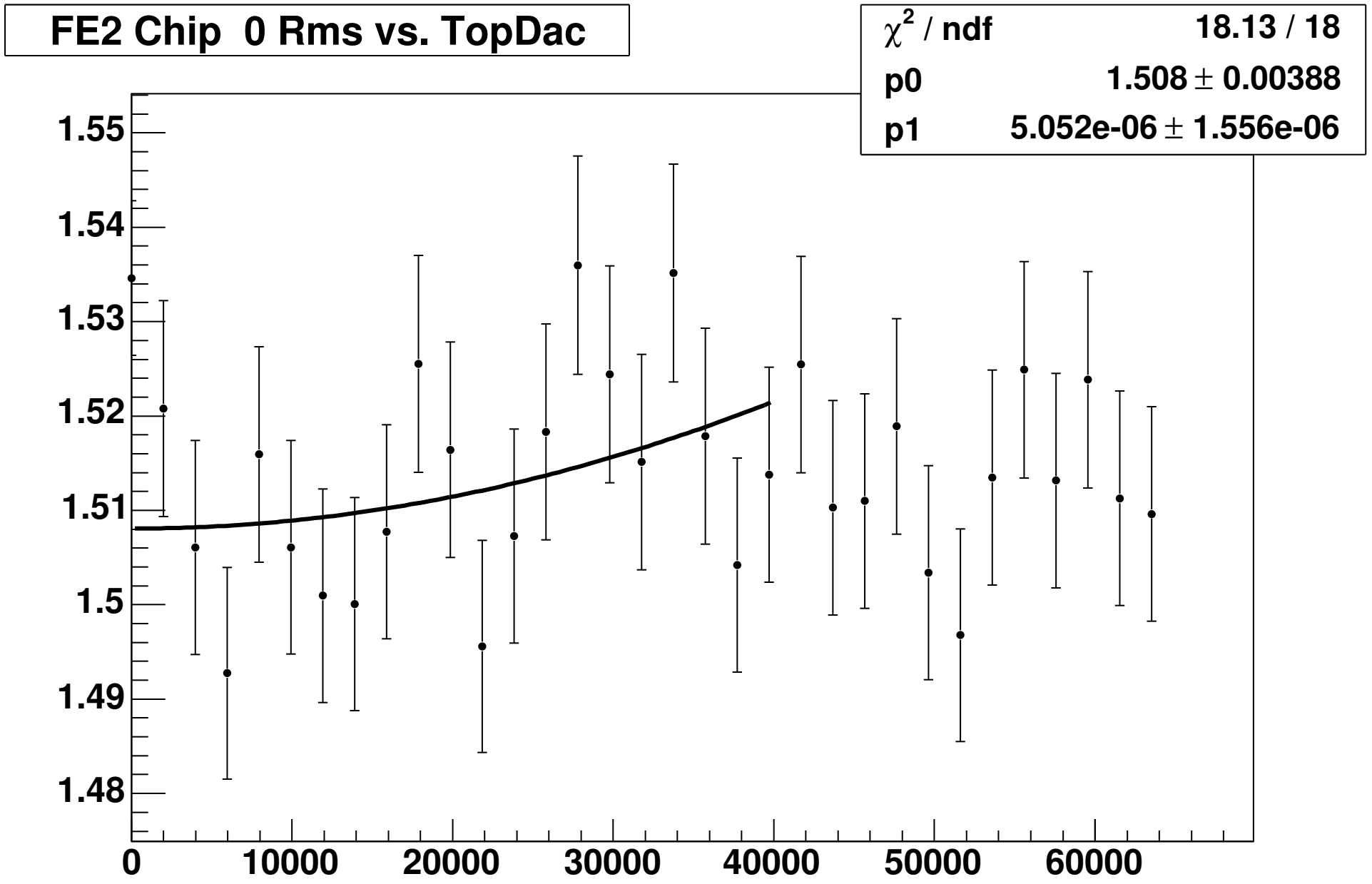
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 18.13 / 18
p0 1.508 ± 0.00388
p1 5.052e-06 ± 1.556e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
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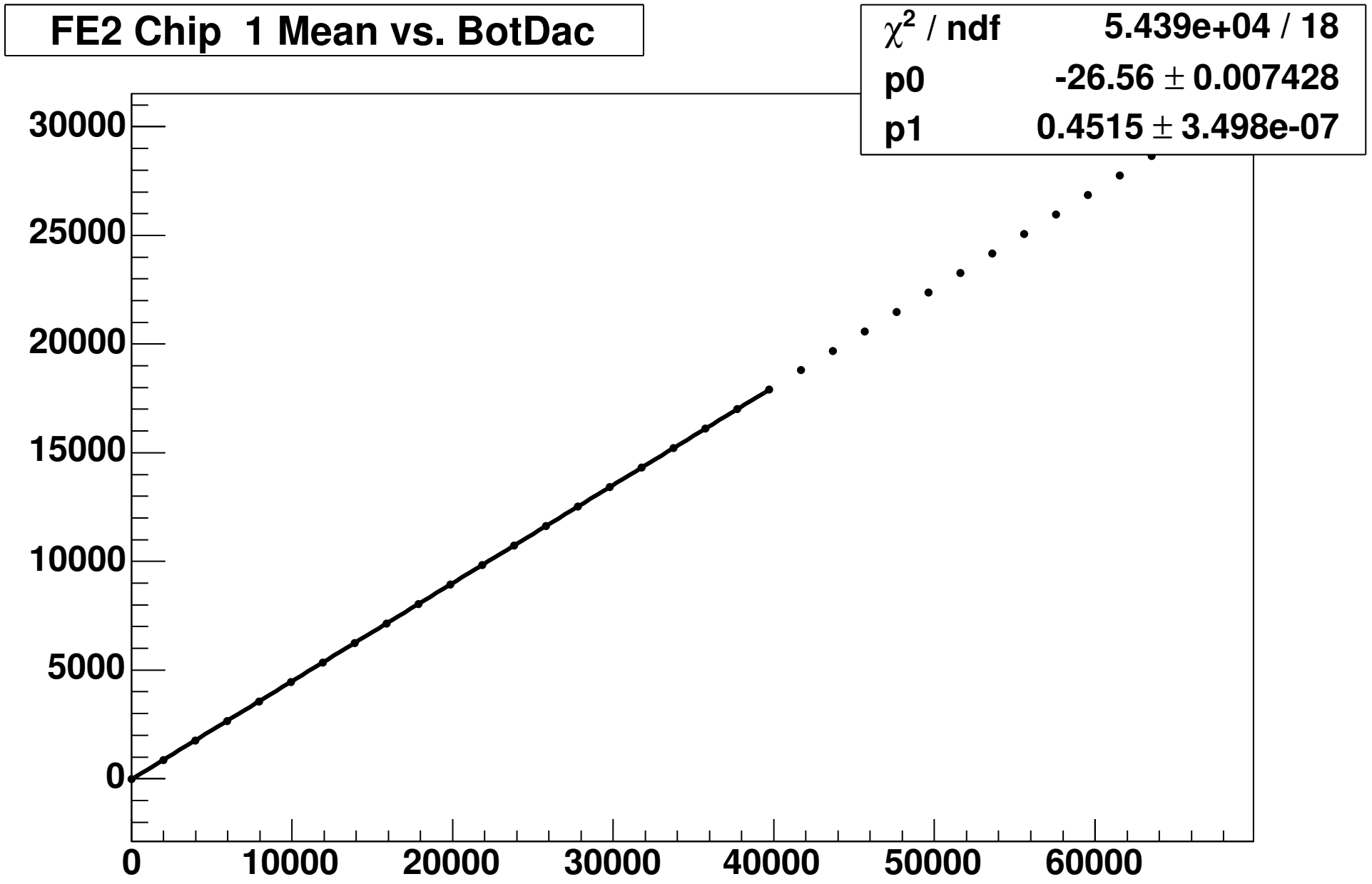
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 5.439e+04 / 18
p0 -26.56 ± 0.007428
p1 0.4515 ± 3.498e-07
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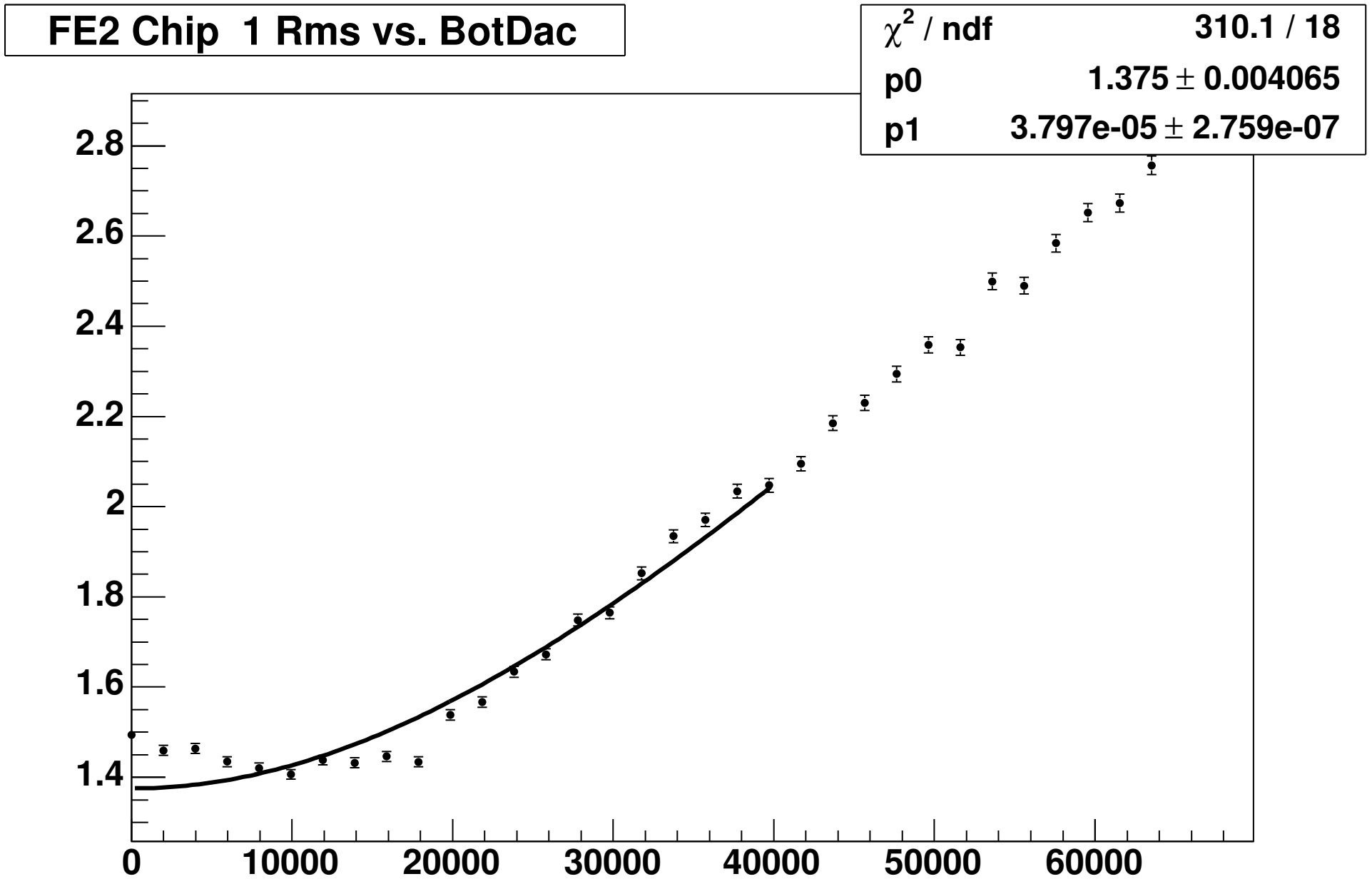
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 310.1 / 18
p0 1.375 ± 0.004065
p1 3.797e-05 ± 2.759e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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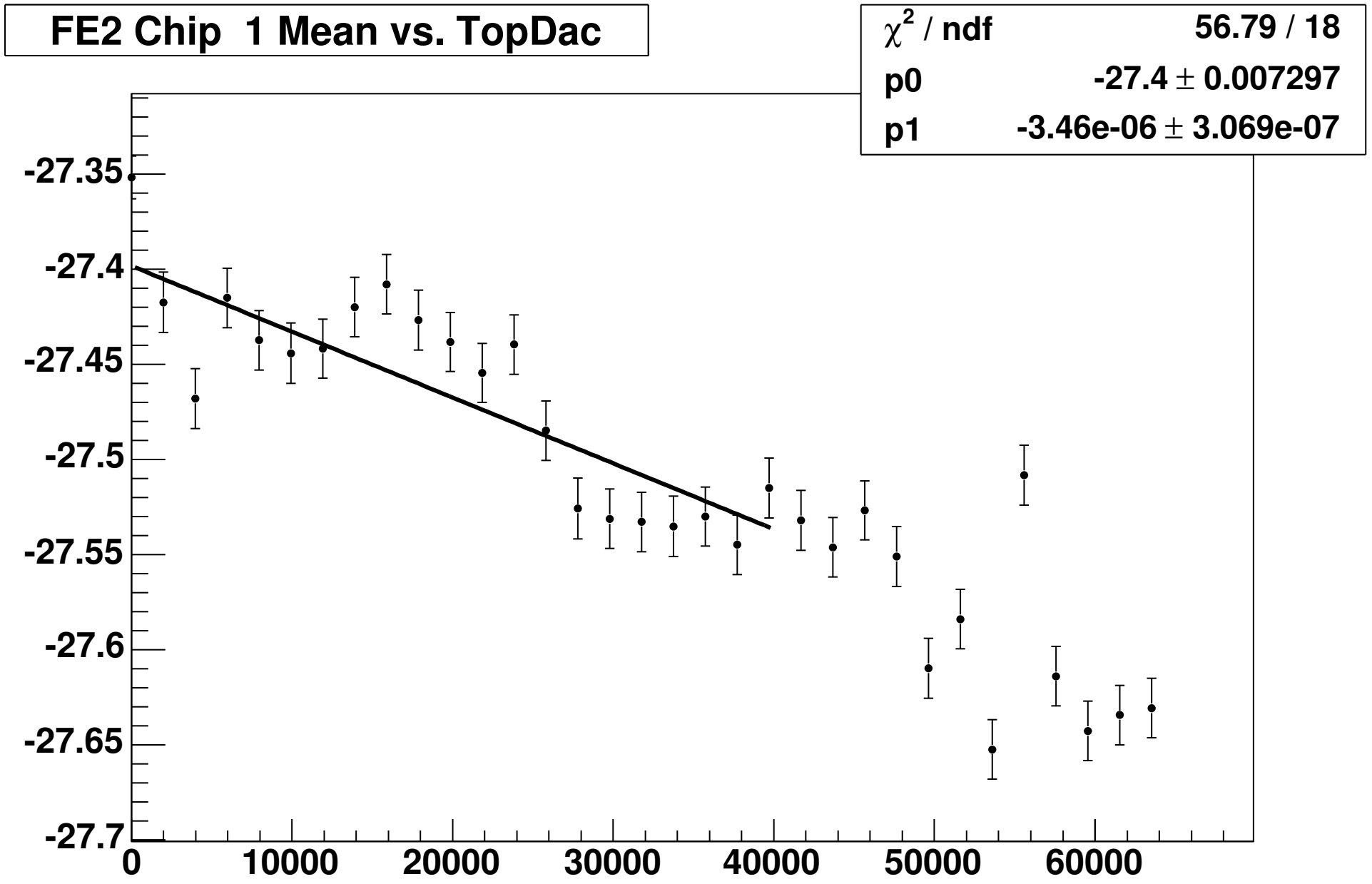
40000
50000
60000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 56.79 / 18
p0 -27.4 ± 0.007297
p1 -3.46e-06 ± 3.069e-07
-27.35
-27.4
-27.45
-27.5
-27.55
-27.6
-27.65
-27.7
0
10000
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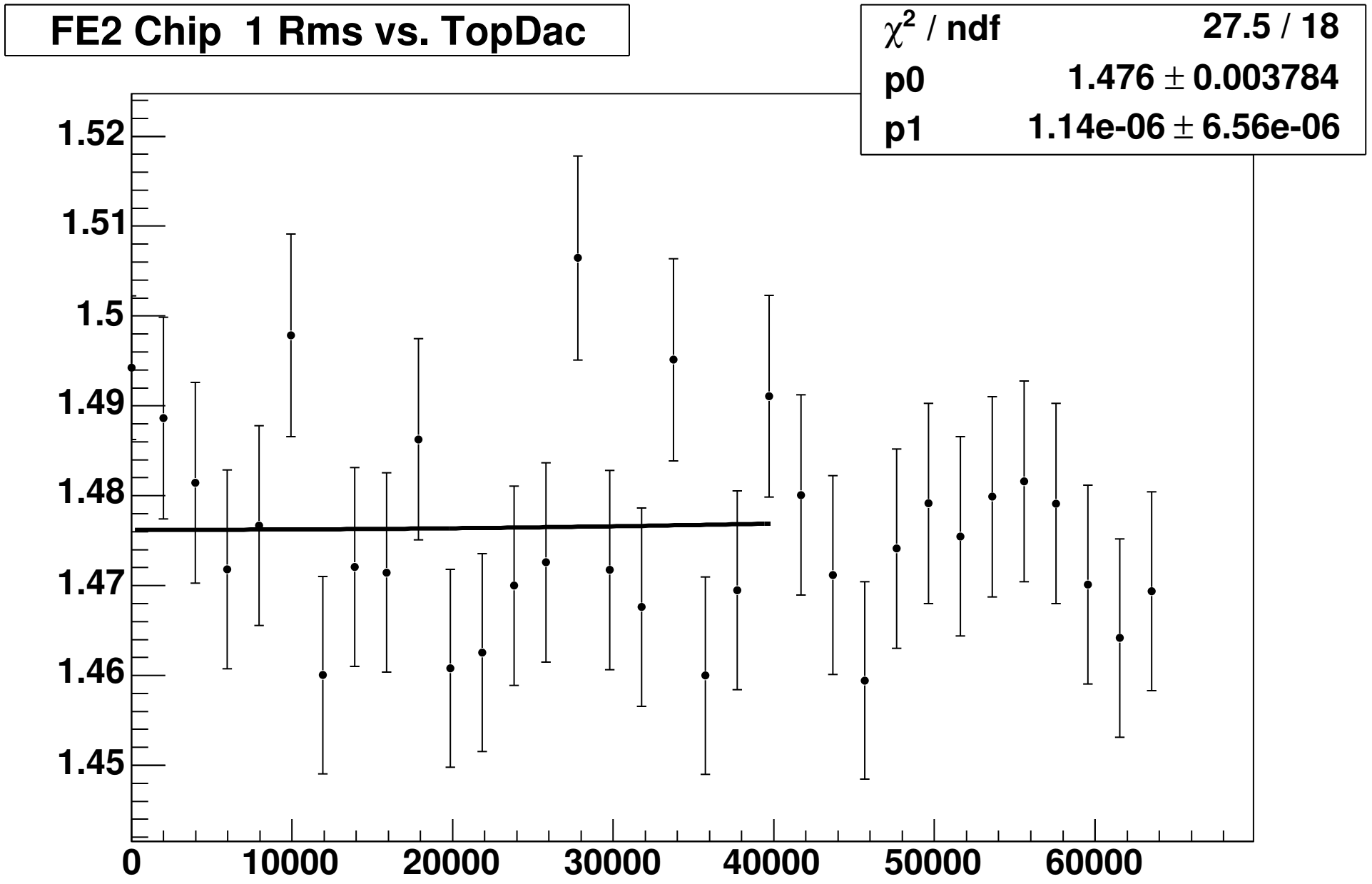
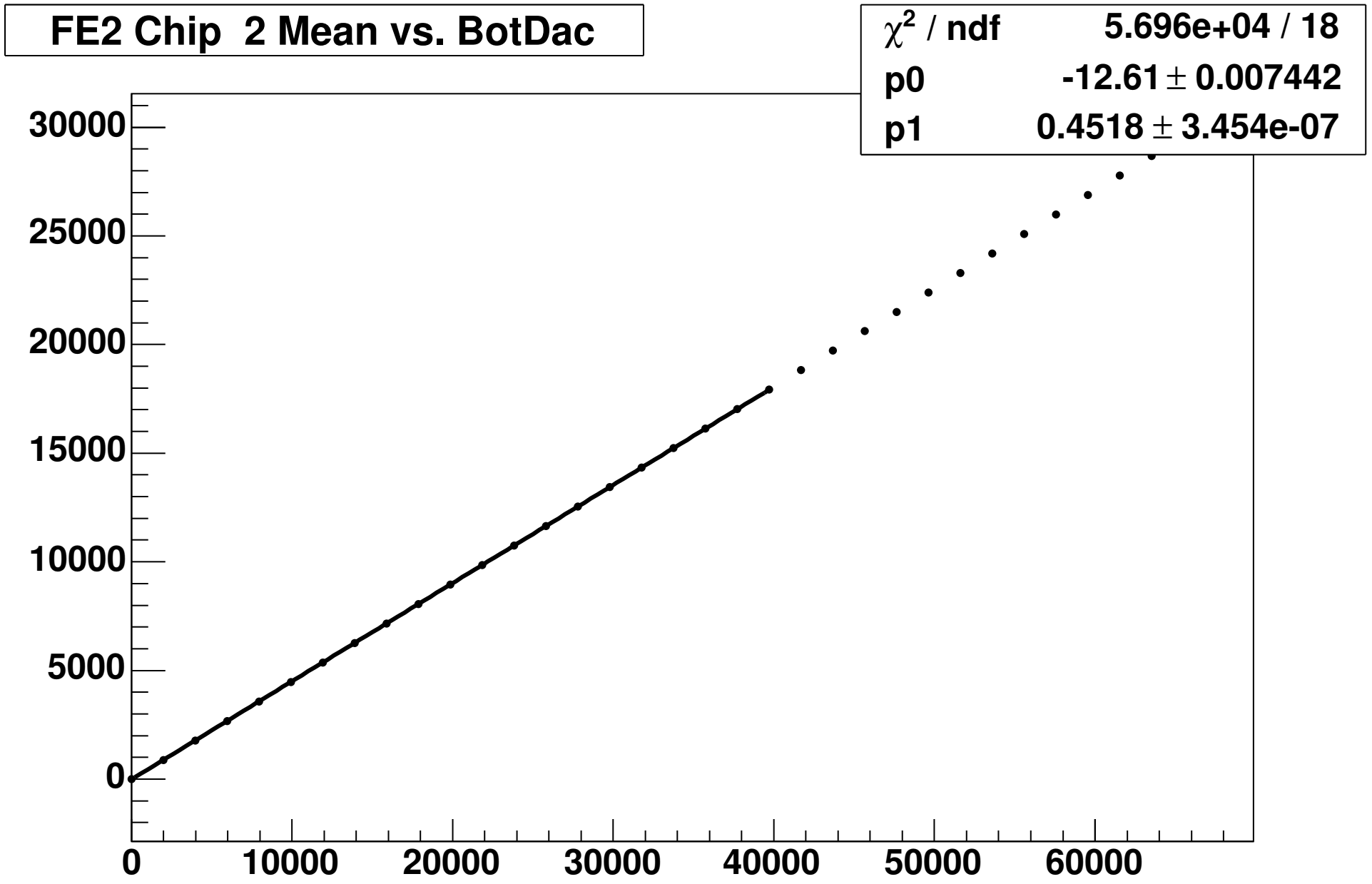
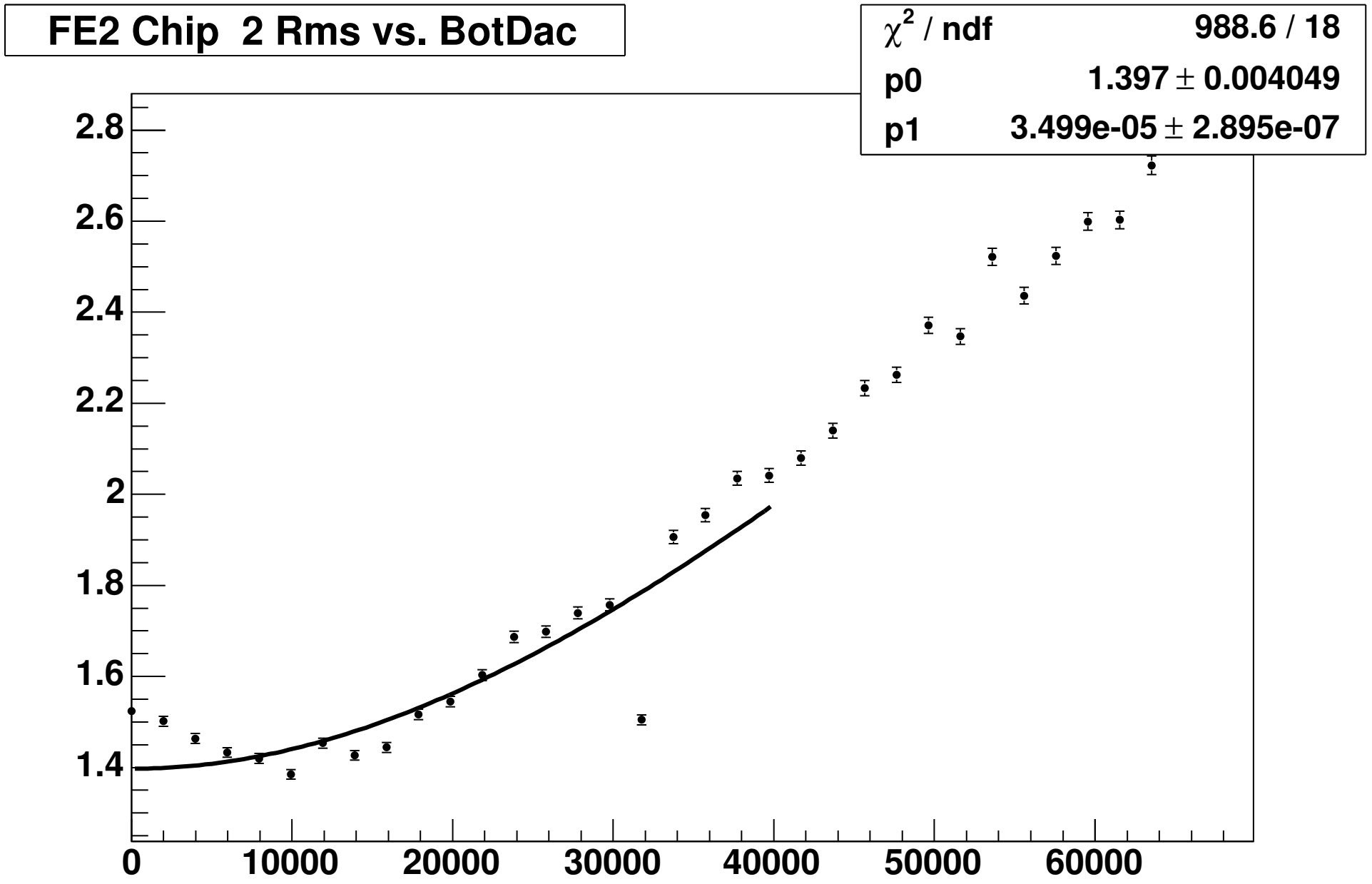
30000
40000
50000
60000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 27.5 / 18
p0 1.476 ± 0.003784
p1 1.14e-06 ± 6.56e-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 2 Mean vs. BotDac
χ² / ndf 5.696e+04 / 18
p0 -12.61 ± 0.007442
p1 0.4518 ± 3.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 988.6 / 18
p0 1.397 ± 0.004049
p1 3.499e-05 ± 2.895e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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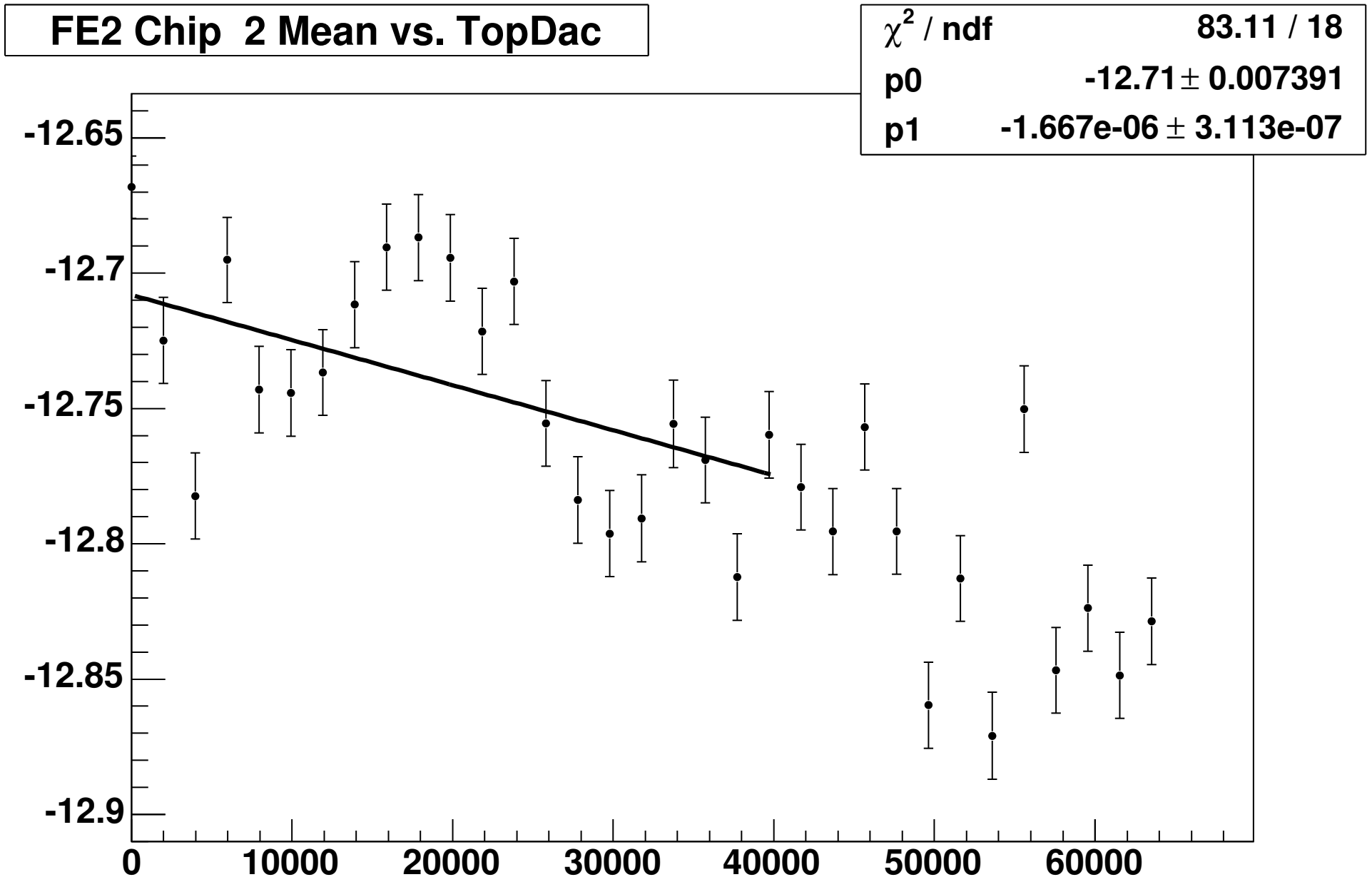
30000
40000
50000
60000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 83.11 / 18
p0 -12.71 ± 0.007391
p1 -1.667e-06 ± 3.113e-07
-12.65
-12.7
-12.75
-12.8
-12.85
-12.9
0
10000
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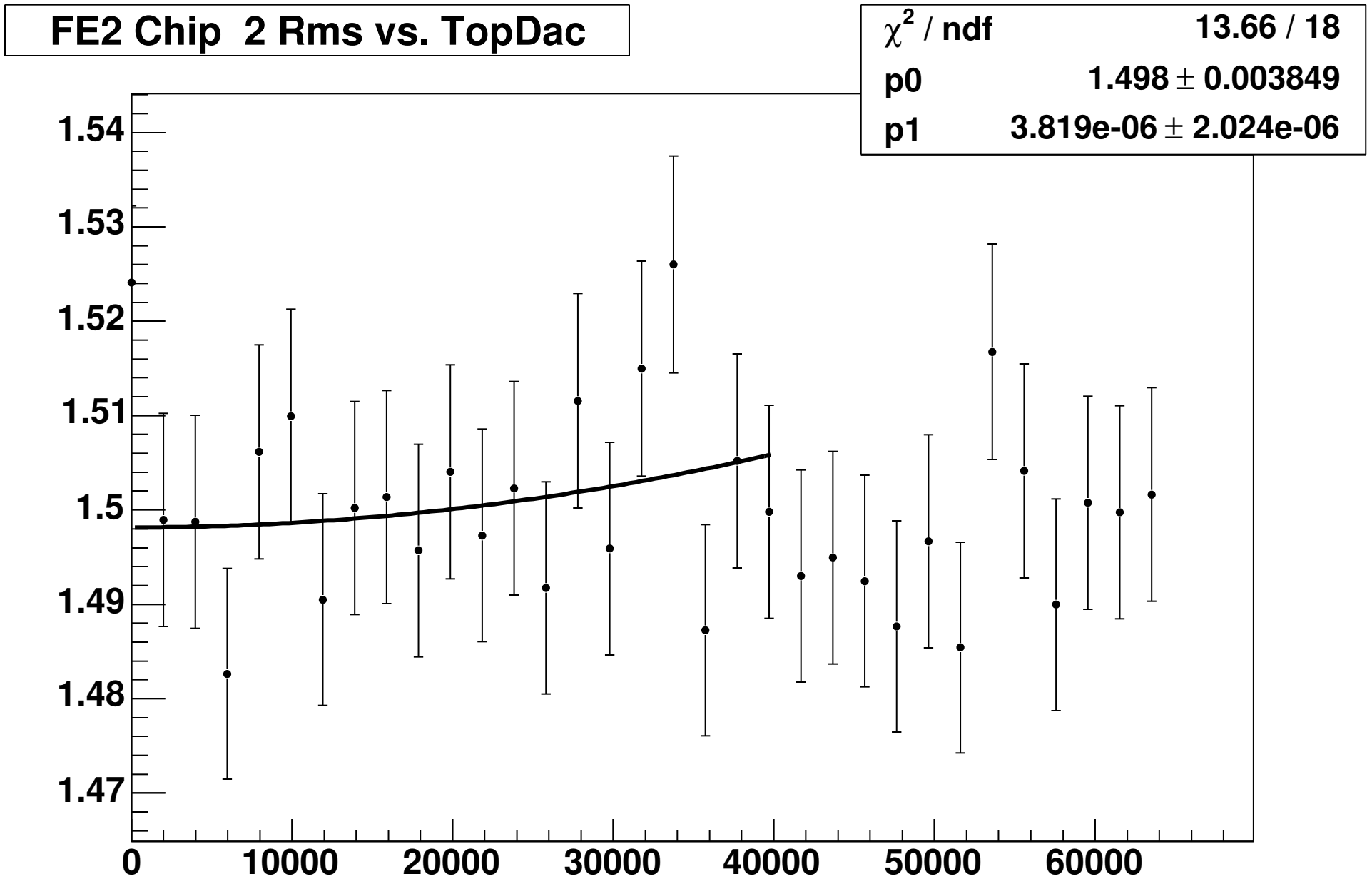
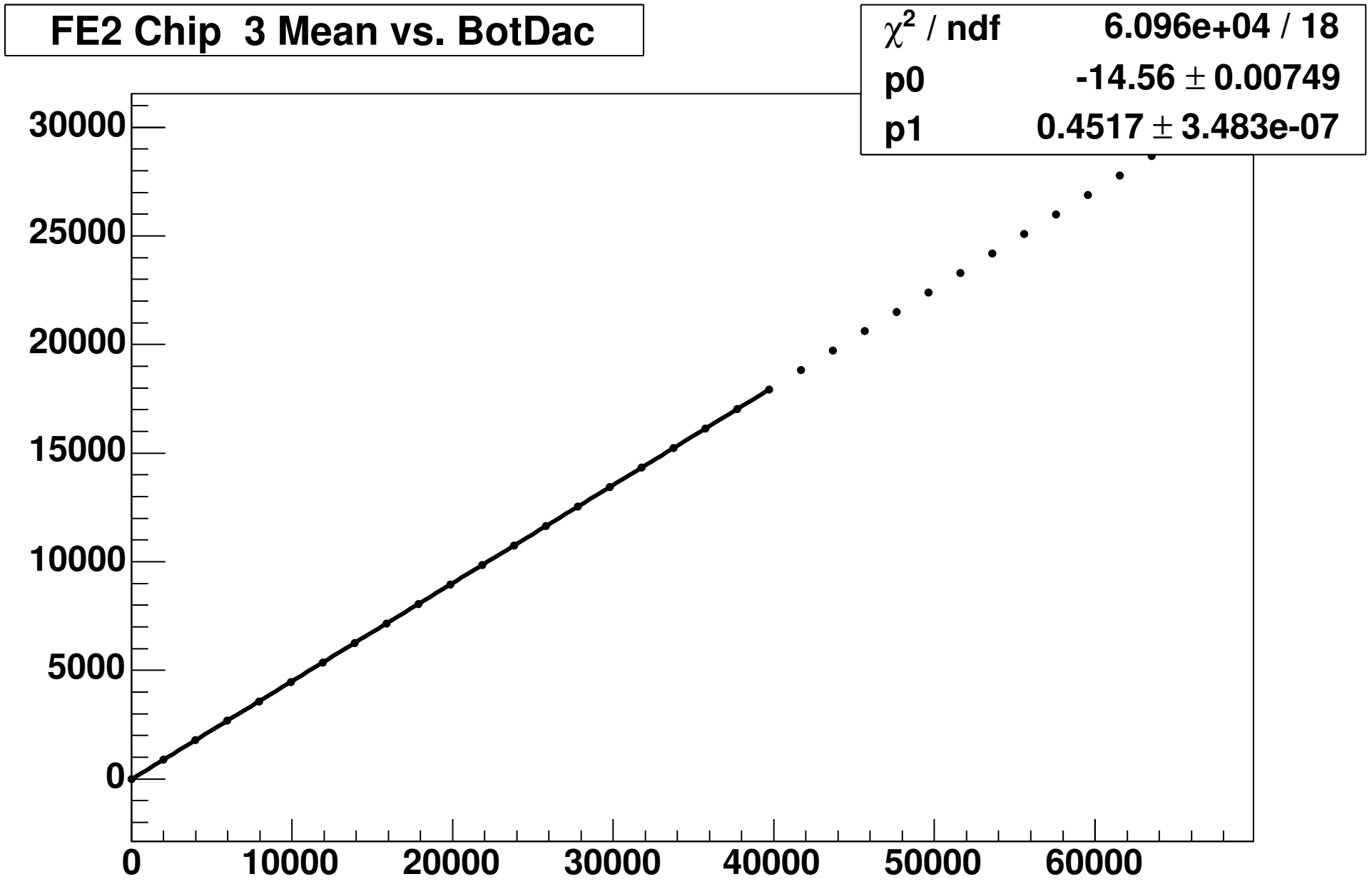
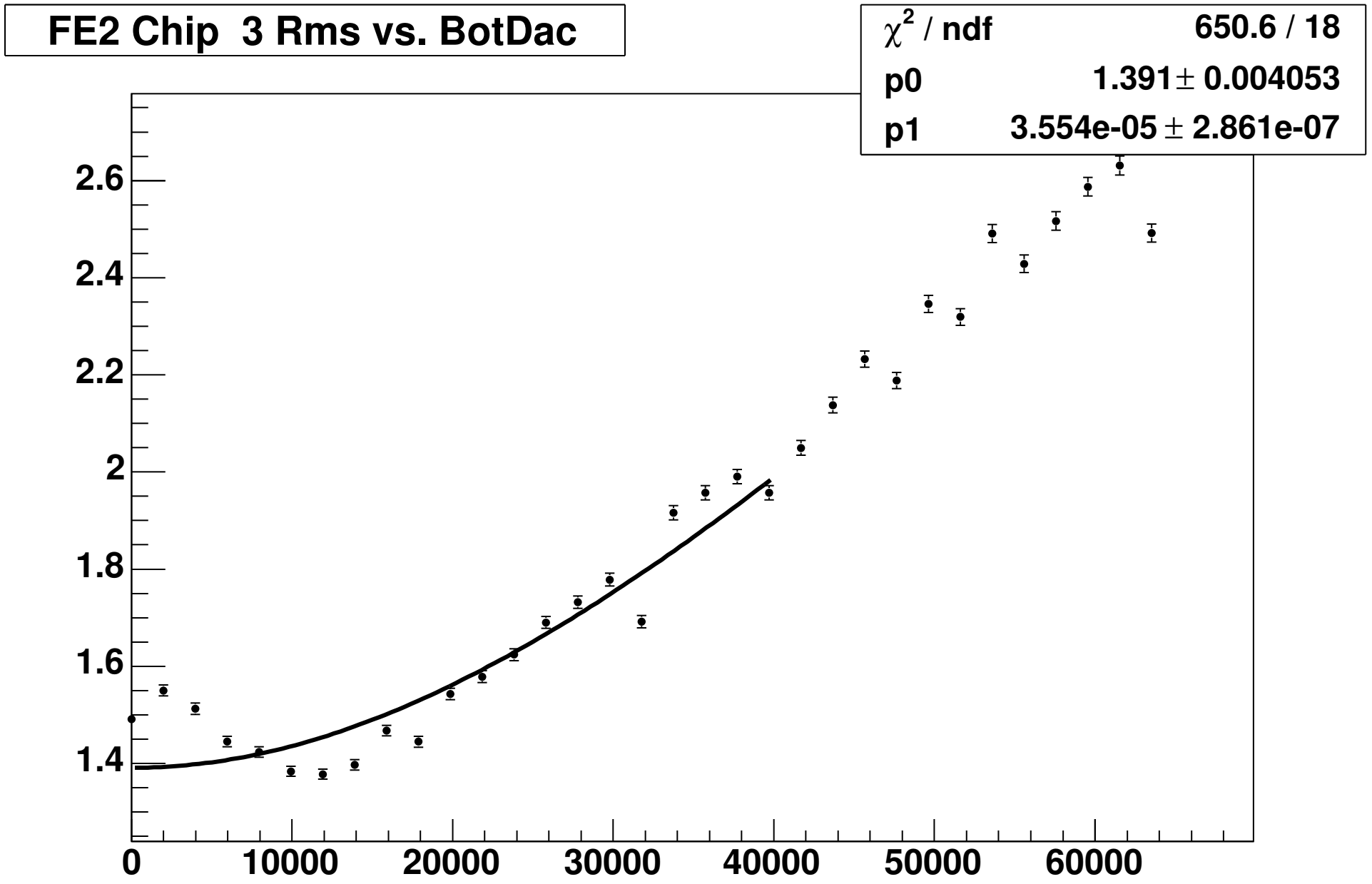
30000
40000
50000
60000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 13.66 / 18
p0 1.498 ± 0.003849
p1 3.819e-06 ± 2.024e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 6.096e+04 / 18
p0 -14.56 ± 0.00749
p1 0.4517 ± 3.483e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 650.6 / 18
p0 1.391 ± 0.004053
p1 3.554e-05 ± 2.861e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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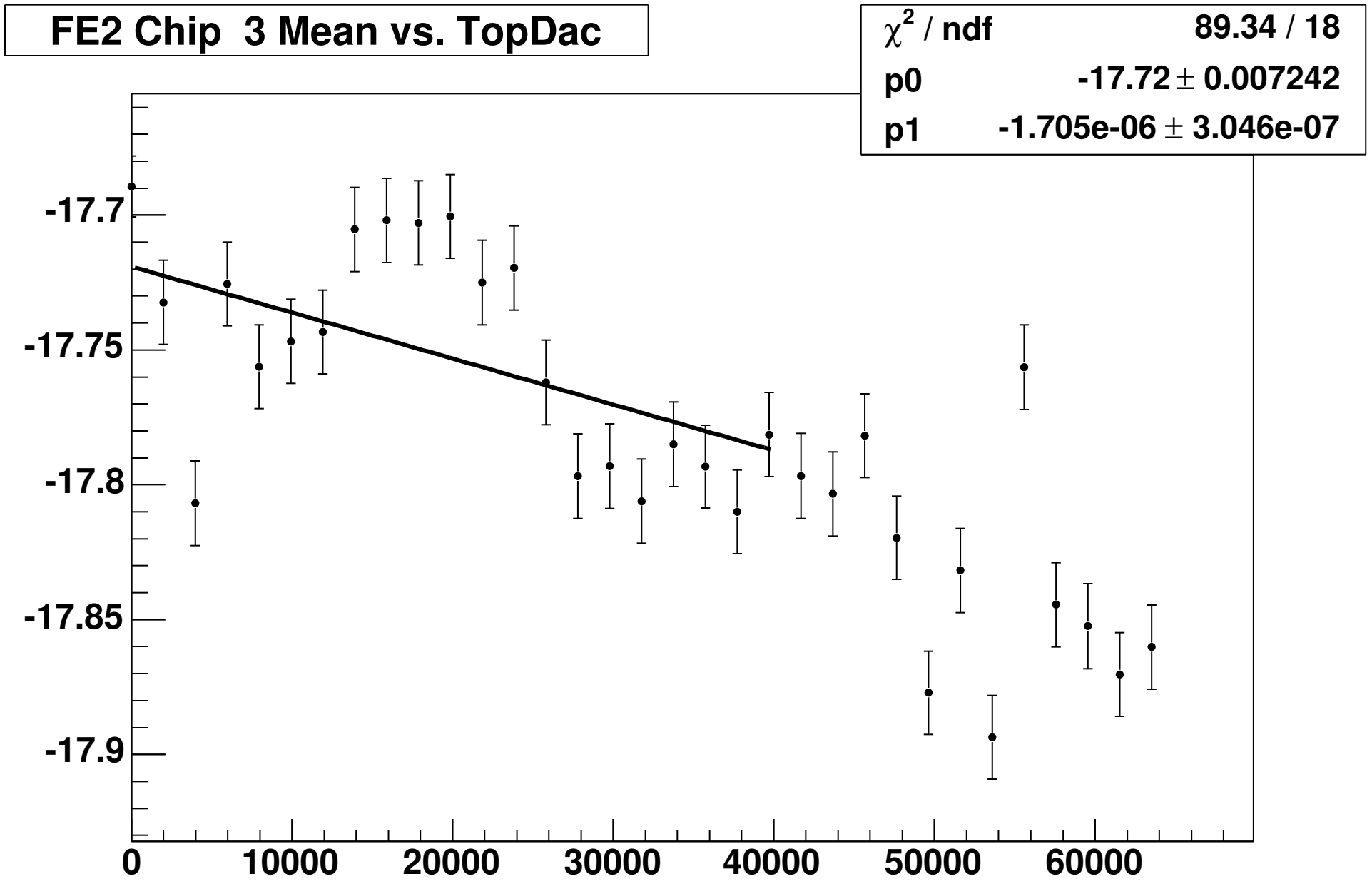
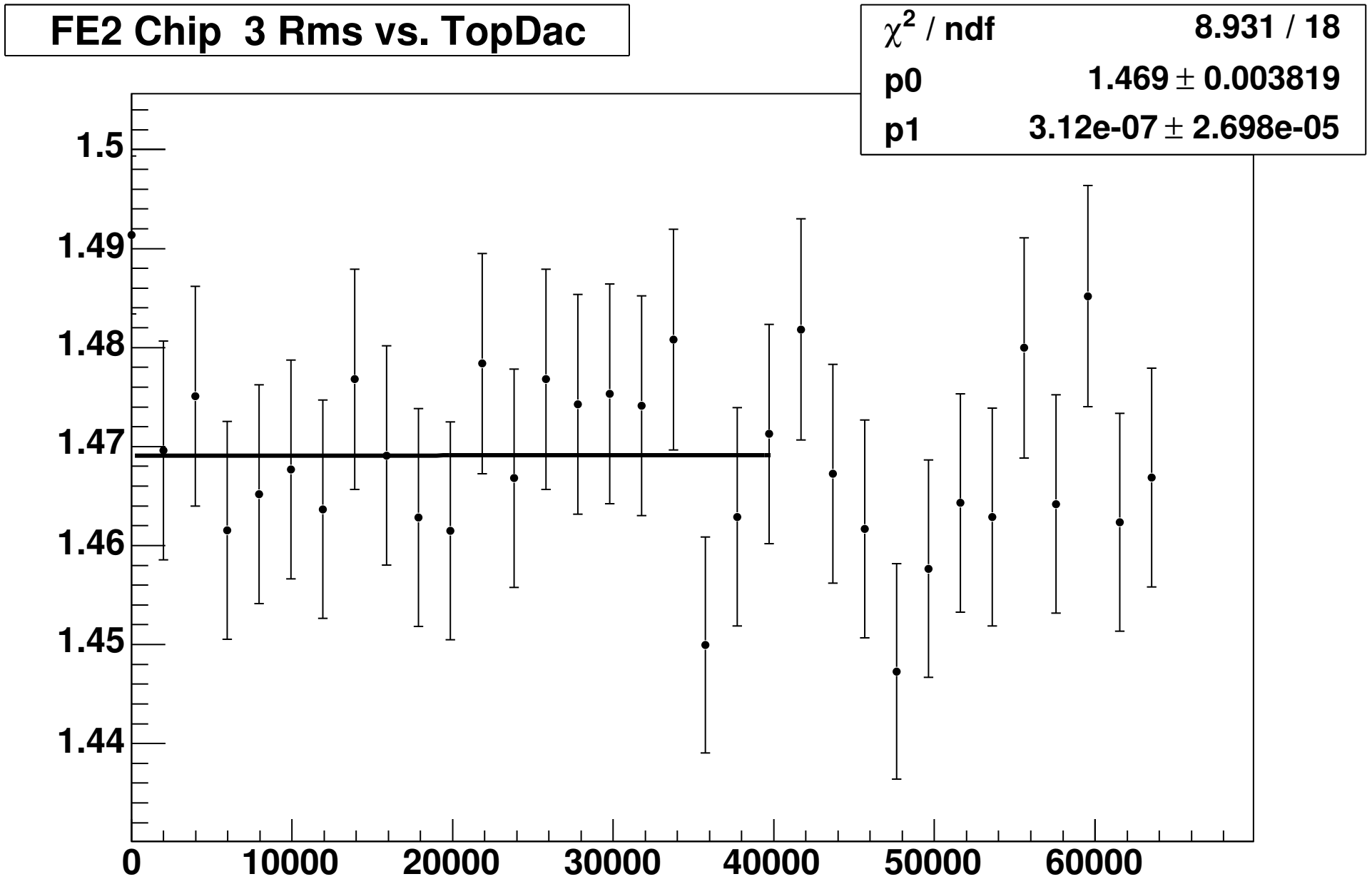
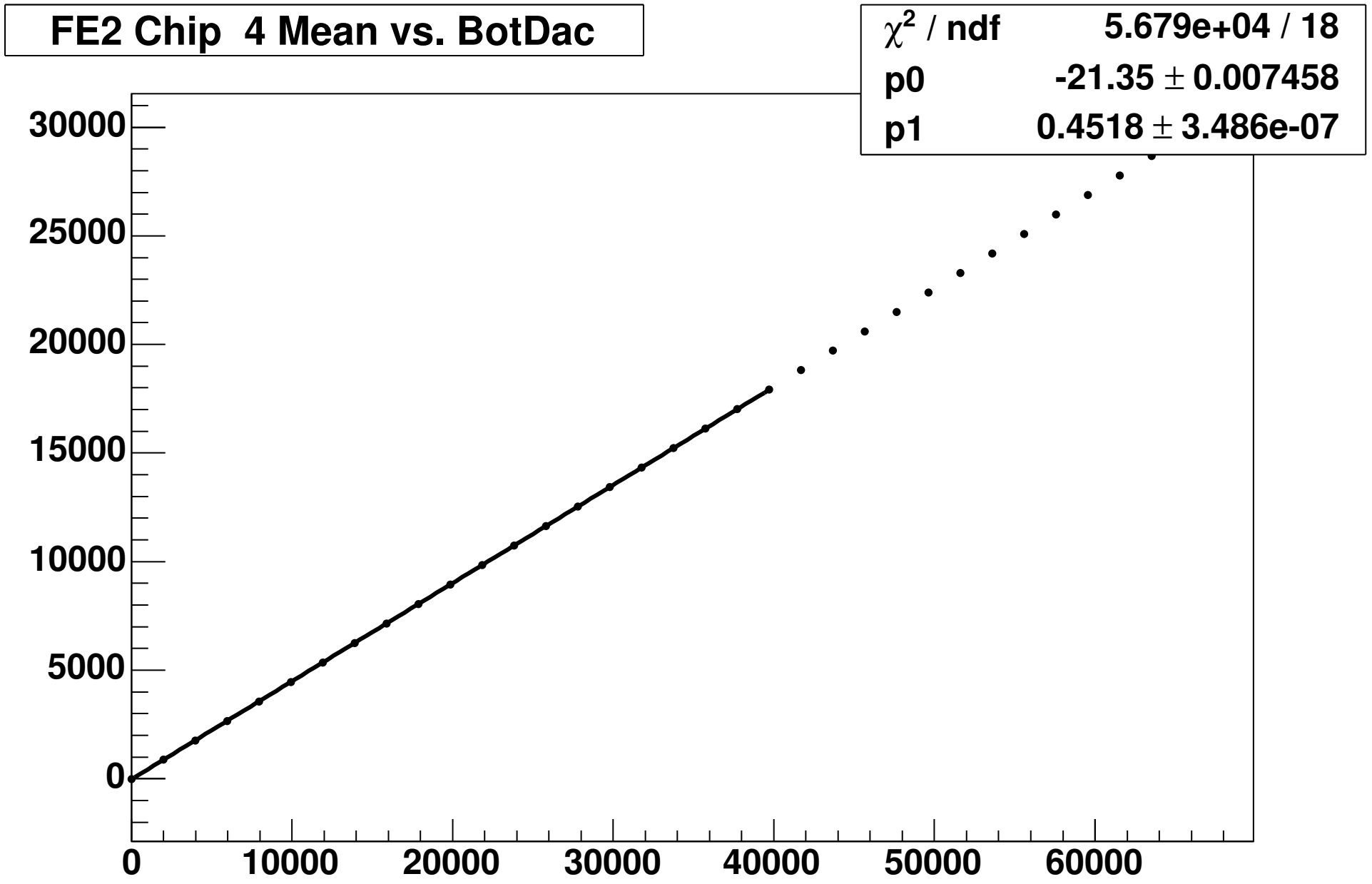
40000
50000
60000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 89.34 / 18
p0 -17.72 ± 0.007242
p1 -1.705e-06 ± 3.046e-07
-17.7
-17.75
-17.8
-17.85
-17.9
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 8.931 / 18
p0 1.469 ± 0.003819
p1 3.12e-07 ± 2.698e-05
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 5.679e+04 / 18
p0 -21.35 ± 0.007458
p1 0.4518 ± 3.486e-07
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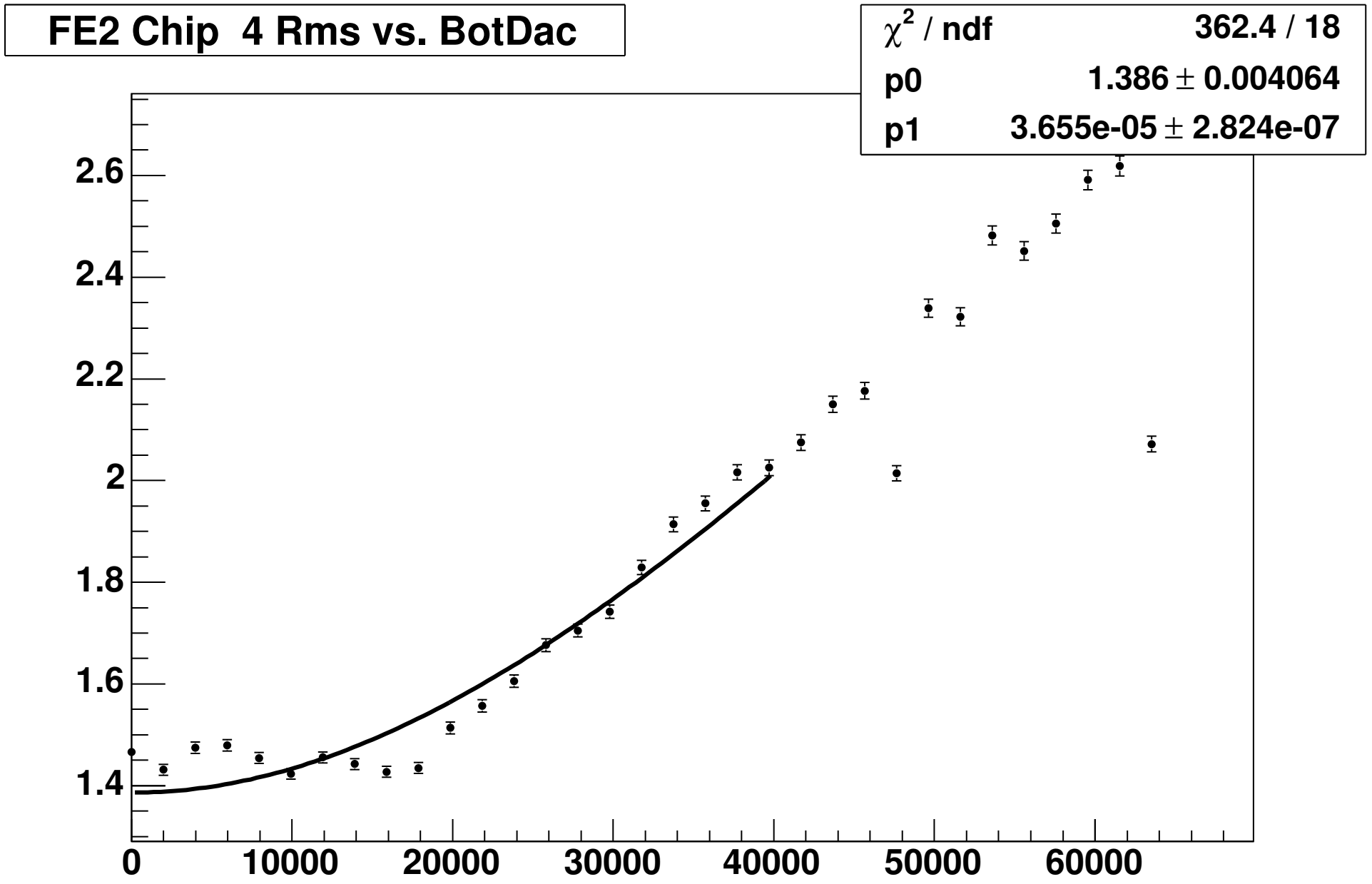
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 362.4 / 18
p0 1.386 ± 0.004064
p1 3.655e-05 ± 2.824e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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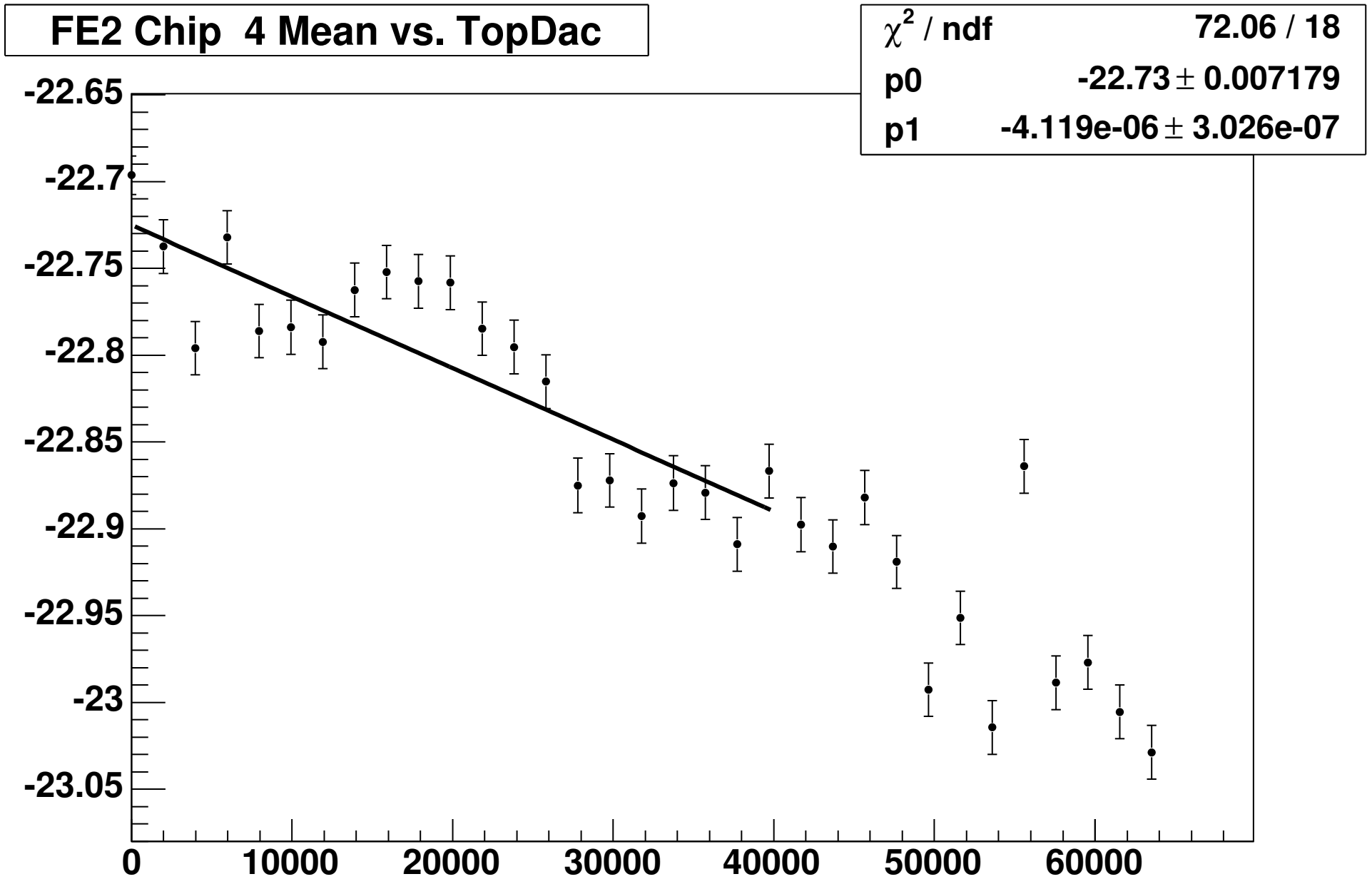
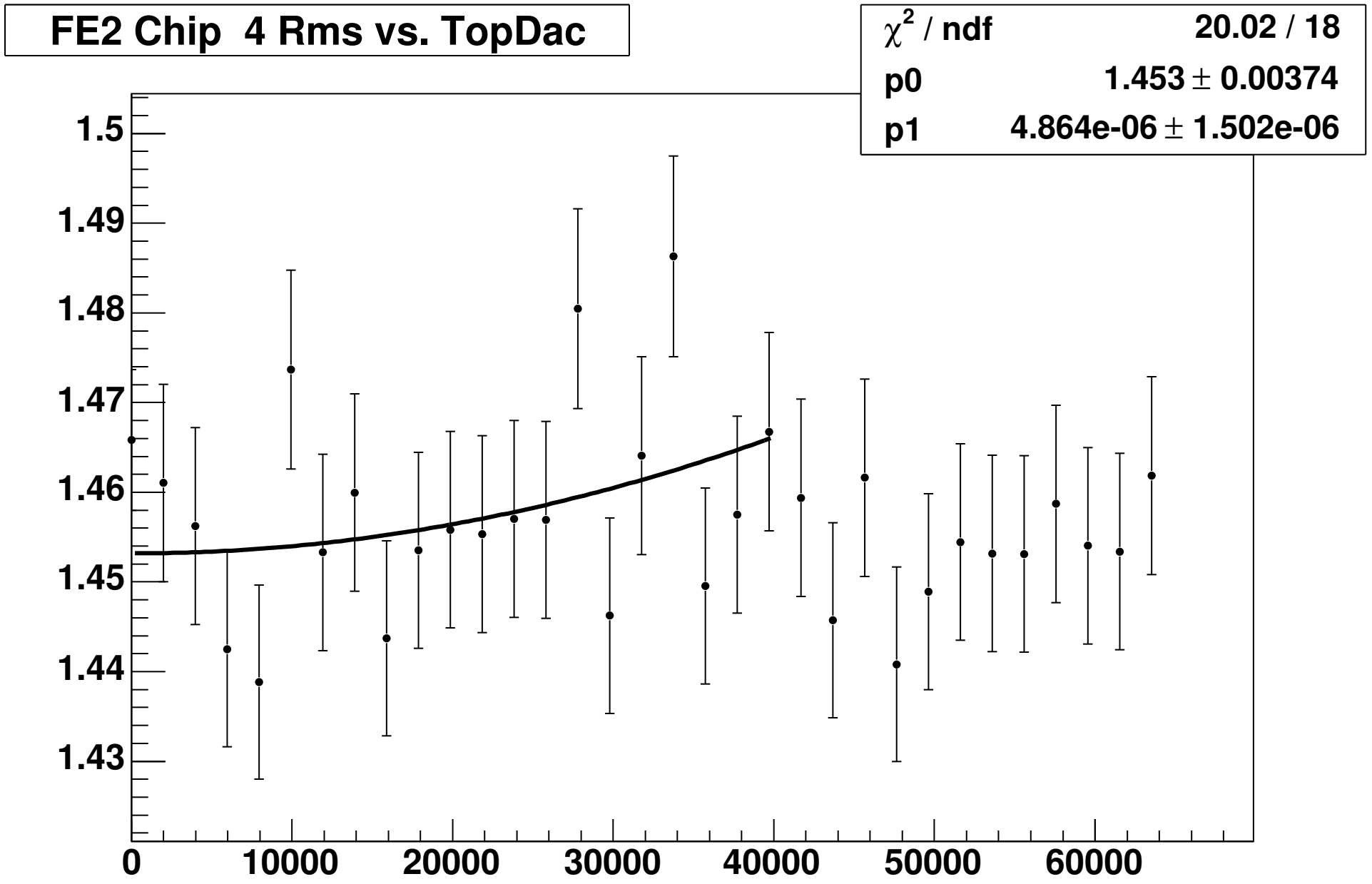
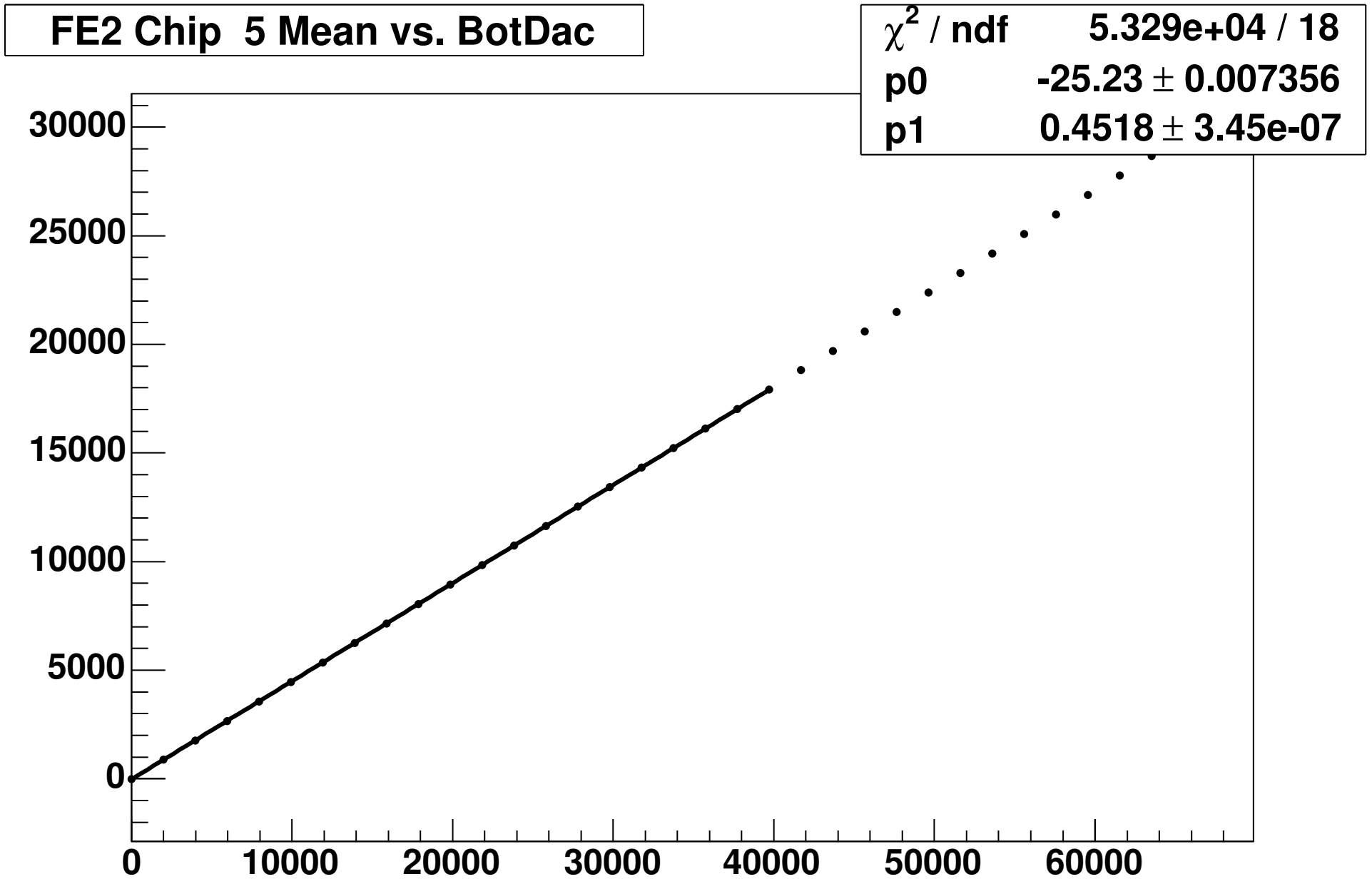

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 72.06 / 18
p0 -22.73 ± 0.007179
p1 -4.119e-06 ± 3.026e-07
-22.65
-22.7
-22.75
-22.8
-22.85
-22.9
-22.95
-23
-23.05
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 20.02 / 18
p0 1.453 ± 0.00374
p1 4.864e-06 ± 1.502e-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 5 Mean vs. BotDac
χ² / ndf 5.329e+04 / 18
p0 -25.23 ± 0.007356
p1 0.4518 ± 3.45e-07
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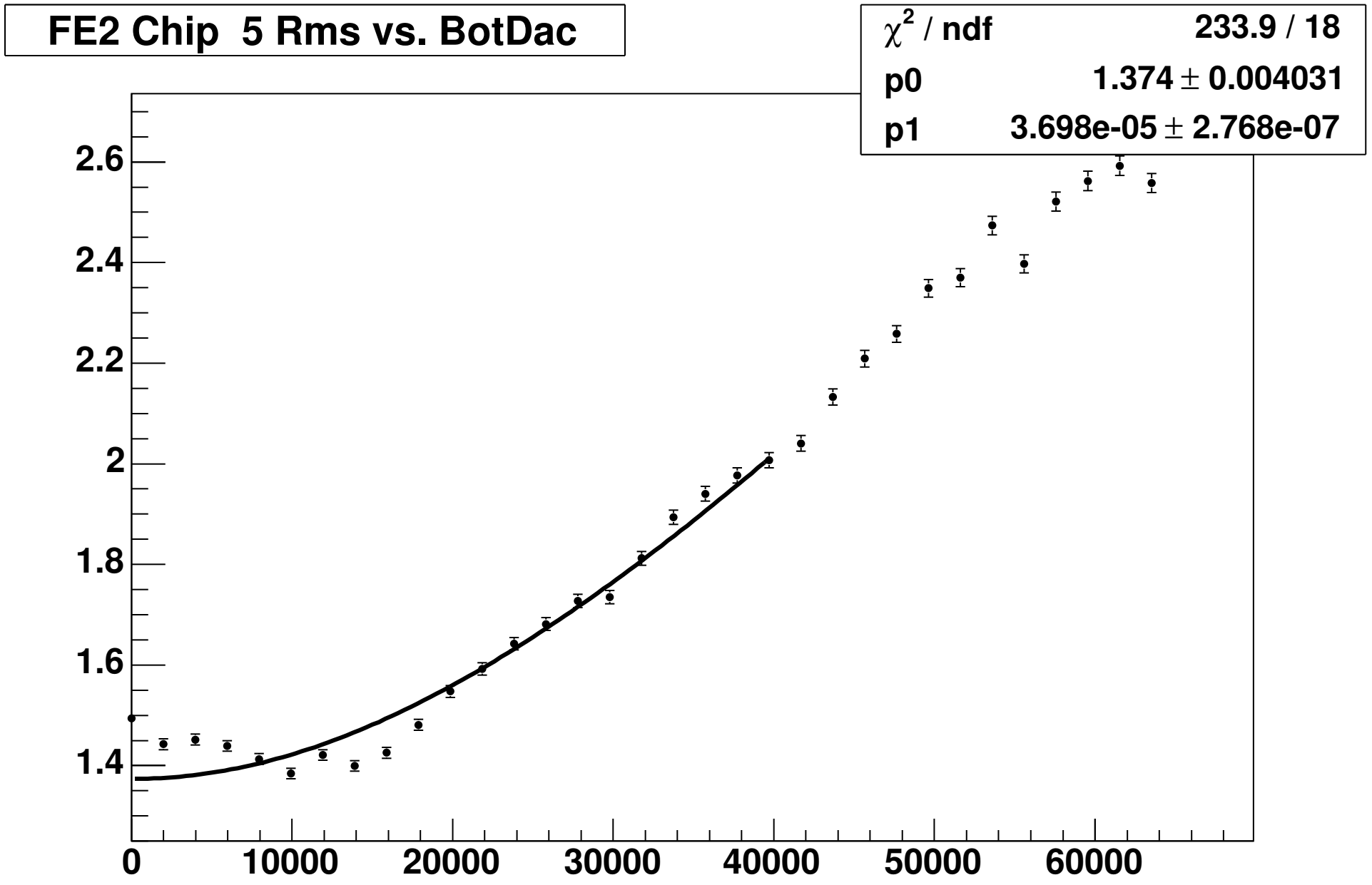
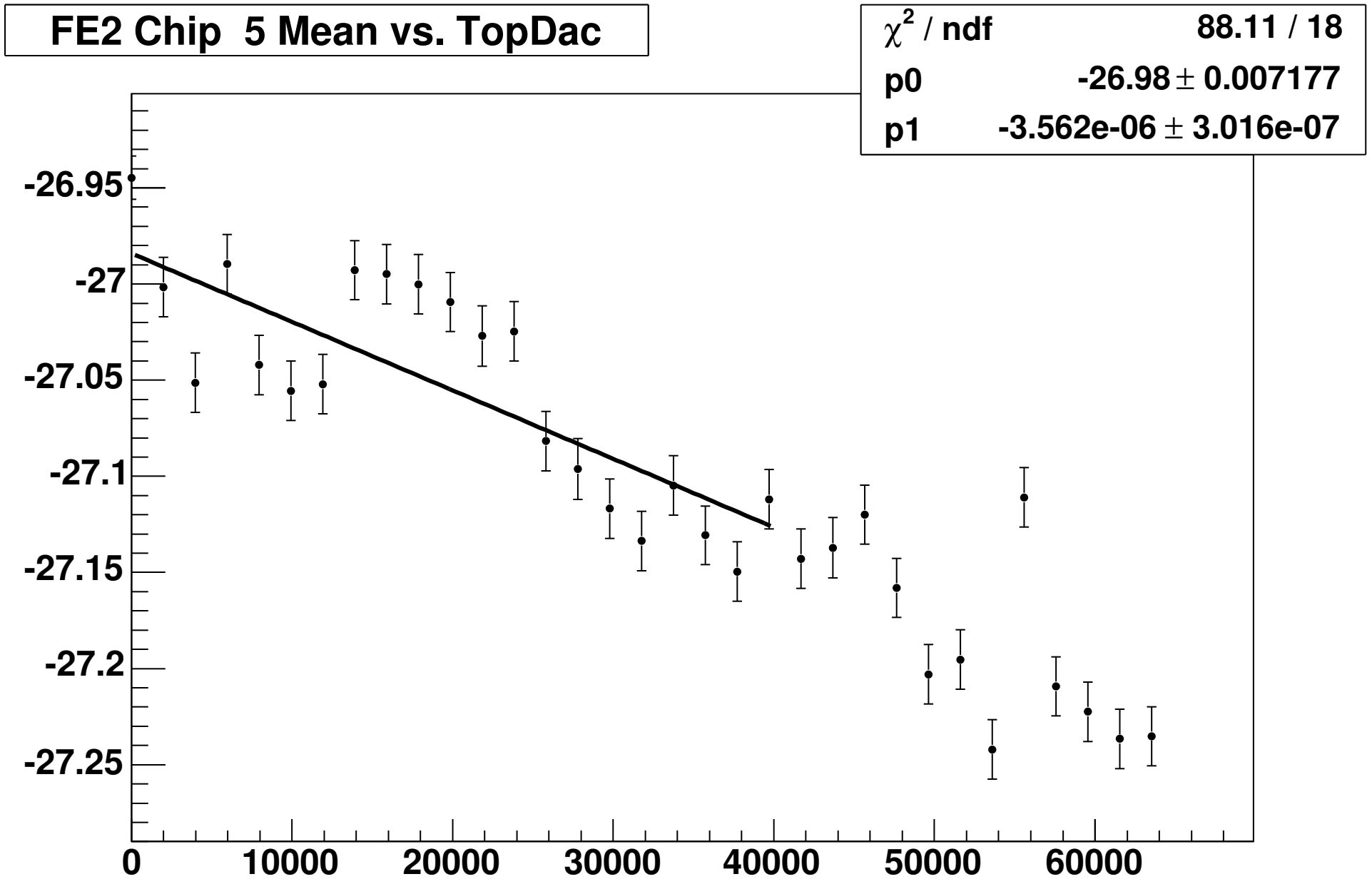
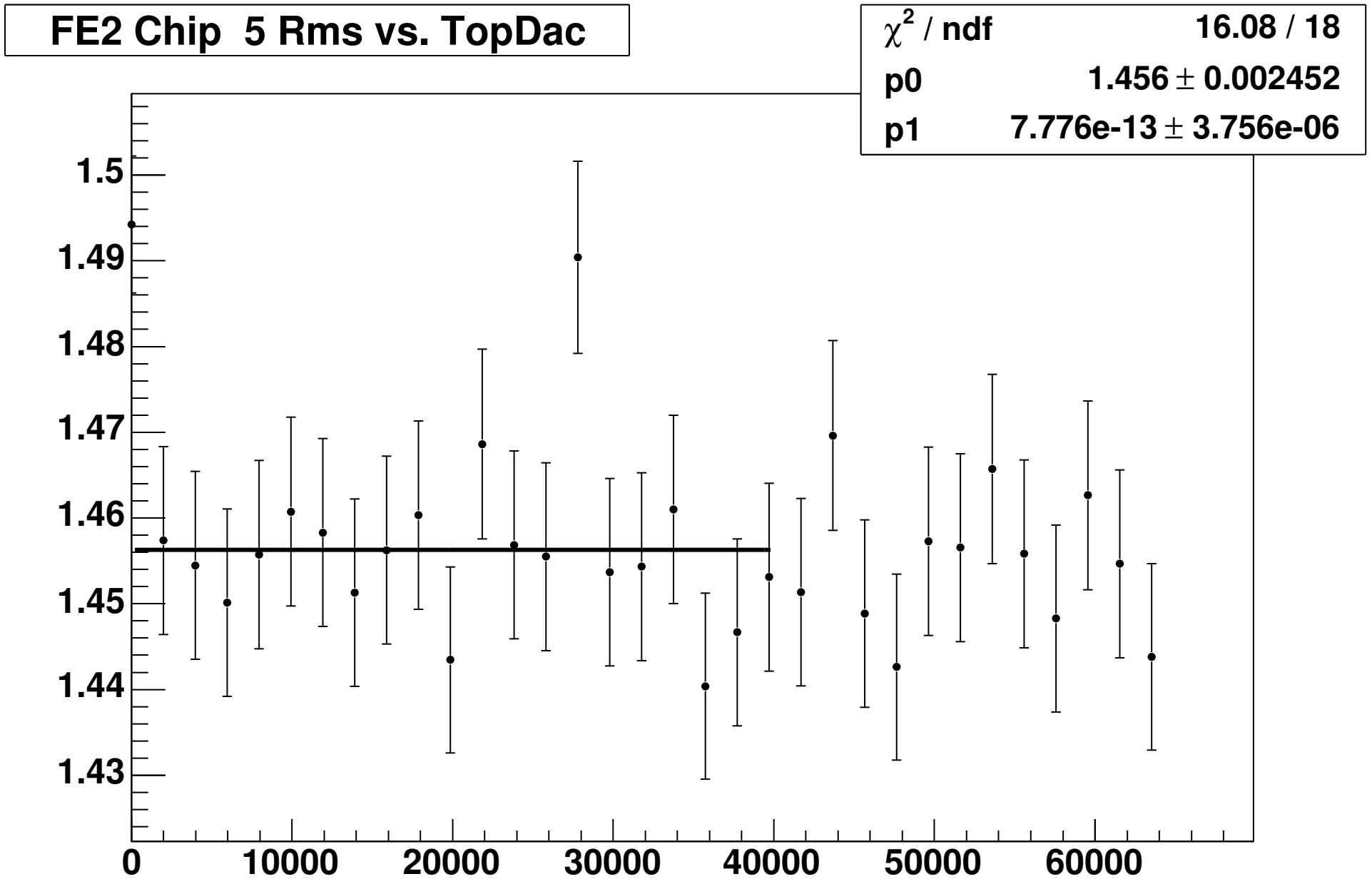
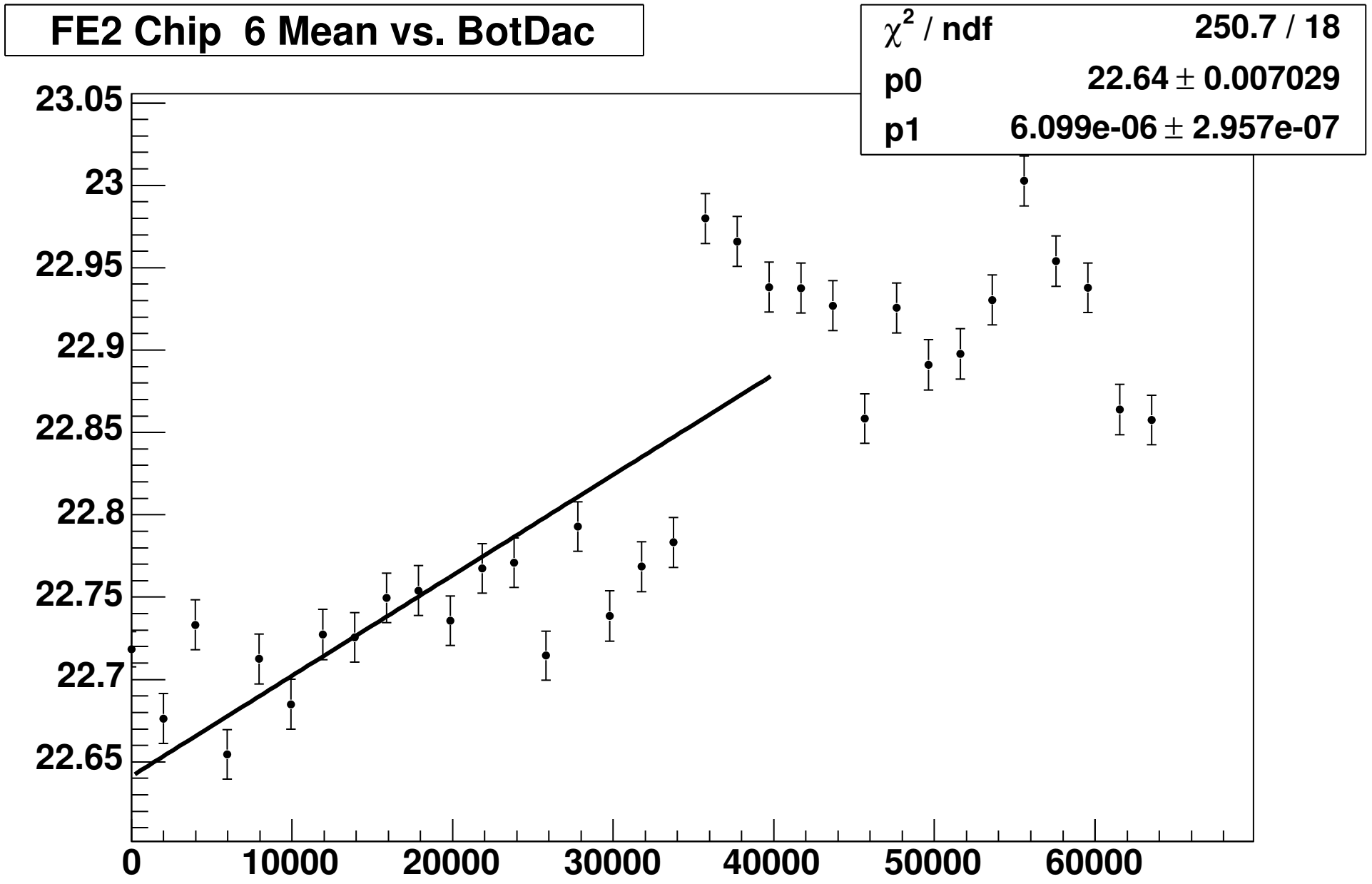
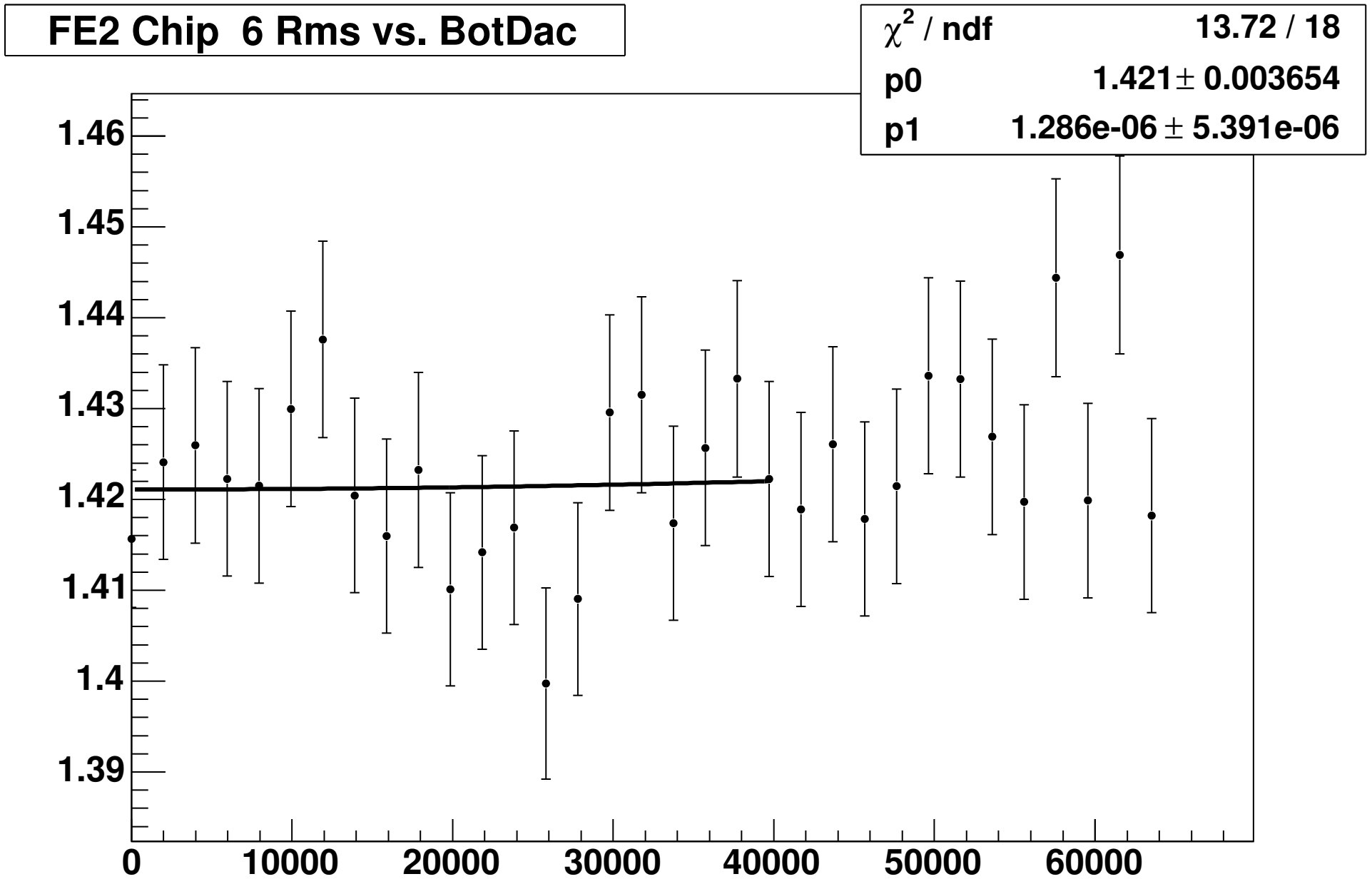
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

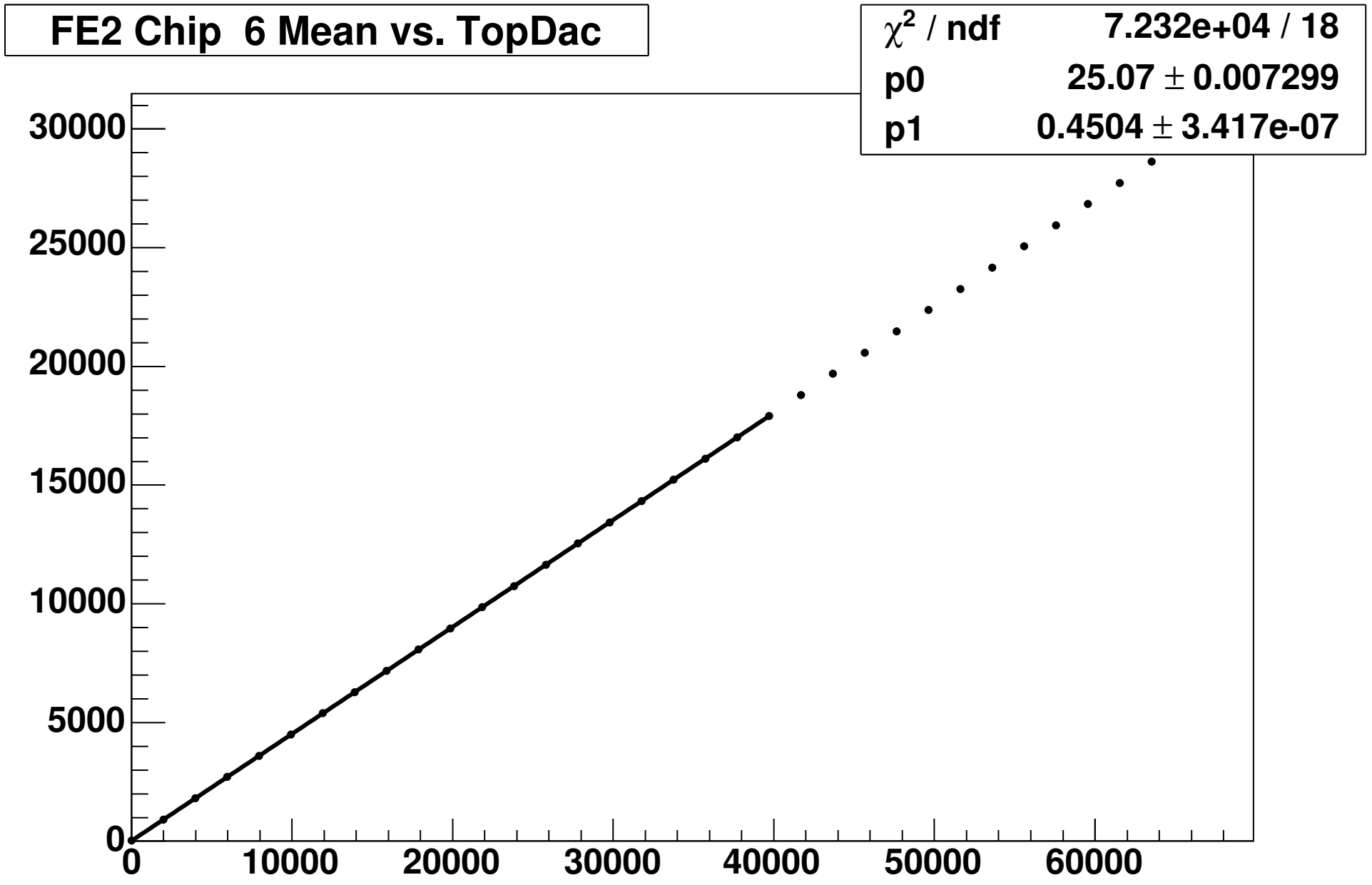

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 233.9 / 18
p0 1.374 ± 0.004031
p1 3.698e-05 ± 2.768e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

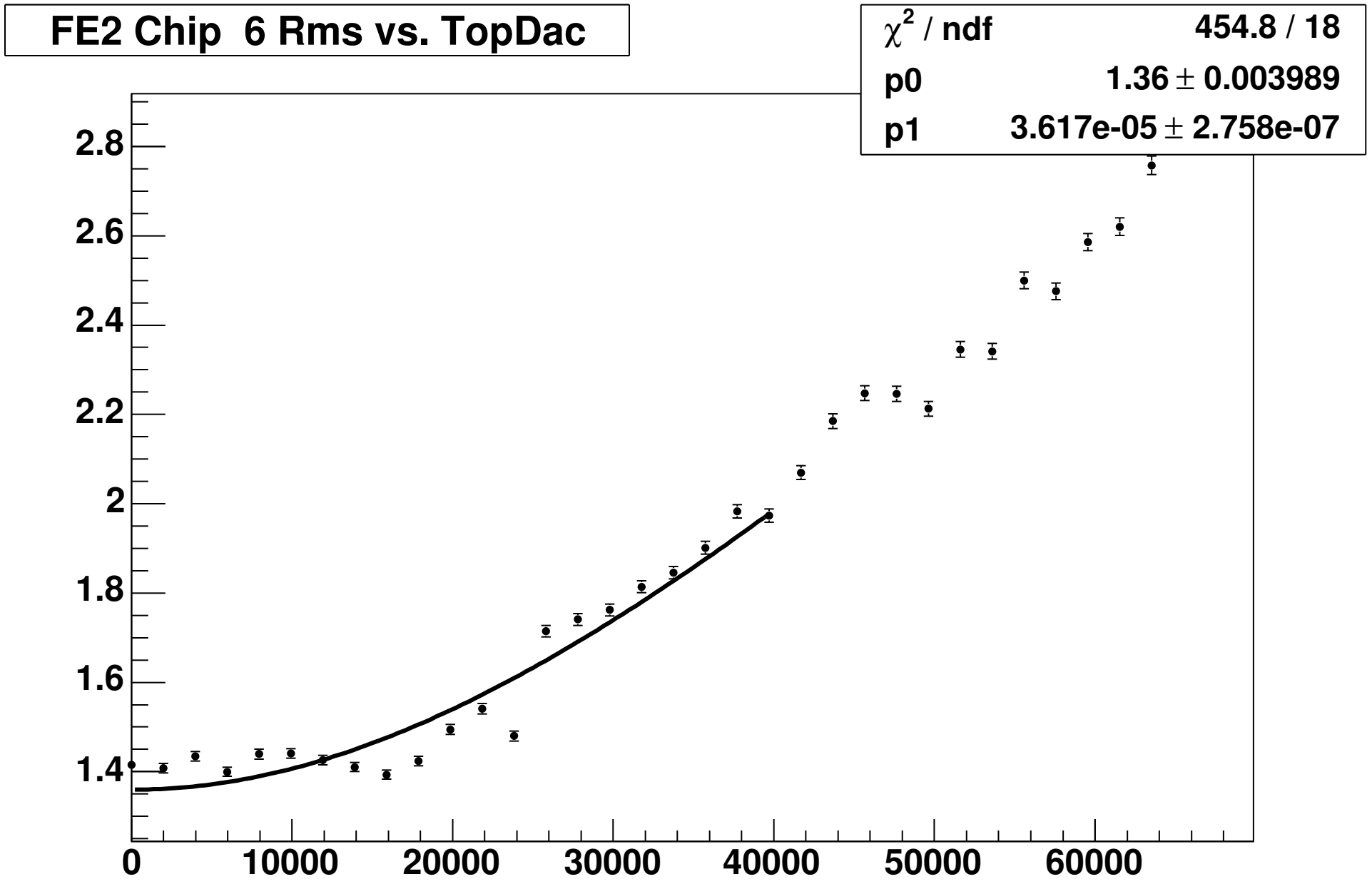

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 88.11 / 18
p0 -26.98 ± 0.007177
p1 -3.562e-06 ± 3.016e-07
-26.95
-27
-27.05
-27.1
-27.15
-27.2
-27.25
0
10000
20000
30000
40000
50000
60000

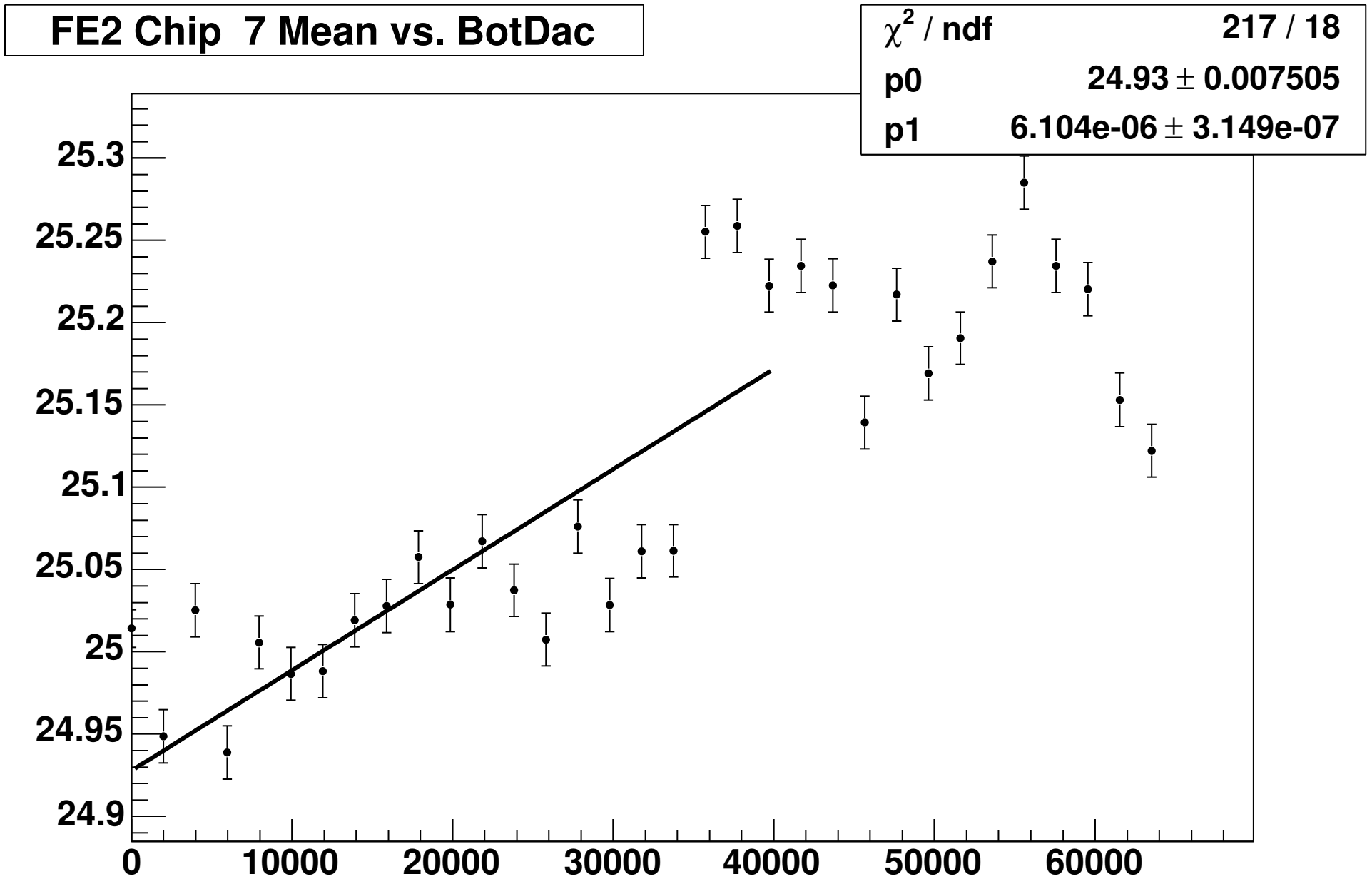

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 16.08 / 18
p0 1.456 ± 0.002452
p1 7.776e-13 ± 3.756e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

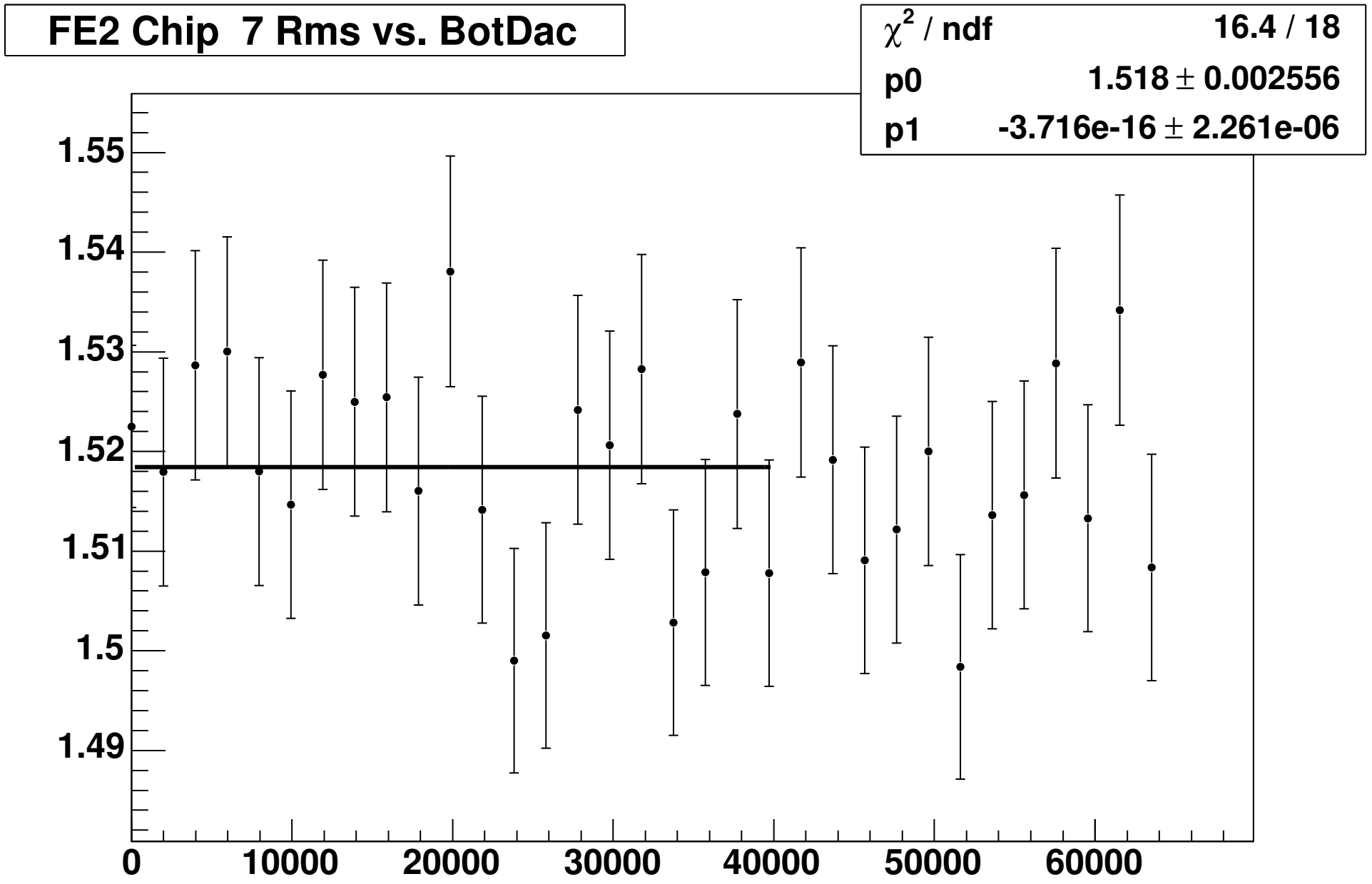

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 250.7 / 18
p0 22.64 ± 0.007029
p1 6.099e-06 ± 2.957e-07
23.05
23
22.95
22.9
22.85
22.8
22.75
22.7
22.65
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 13.72 / 18
p0 1.421 ± 0.003654
p1 1.286e-06 ± 5.391e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 7.232e+04 / 18
p0 25.07 ± 0.007299
p1 0.4504 ± 3.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 454.8 / 18
p0 1.36 ± 0.003989
p1 3.617e-05 ± 2.758e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 217 / 18
p0 24.93 ± 0.007505
p1 6.104e-06 ± 3.149e-07
25.3
25.25
25.2
25.15
25.1
25.05
25
24.95
24.9
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 16.4 / 18
p0 1.518 ± 0.002556
p1 -3.716e-16 ± 2.261e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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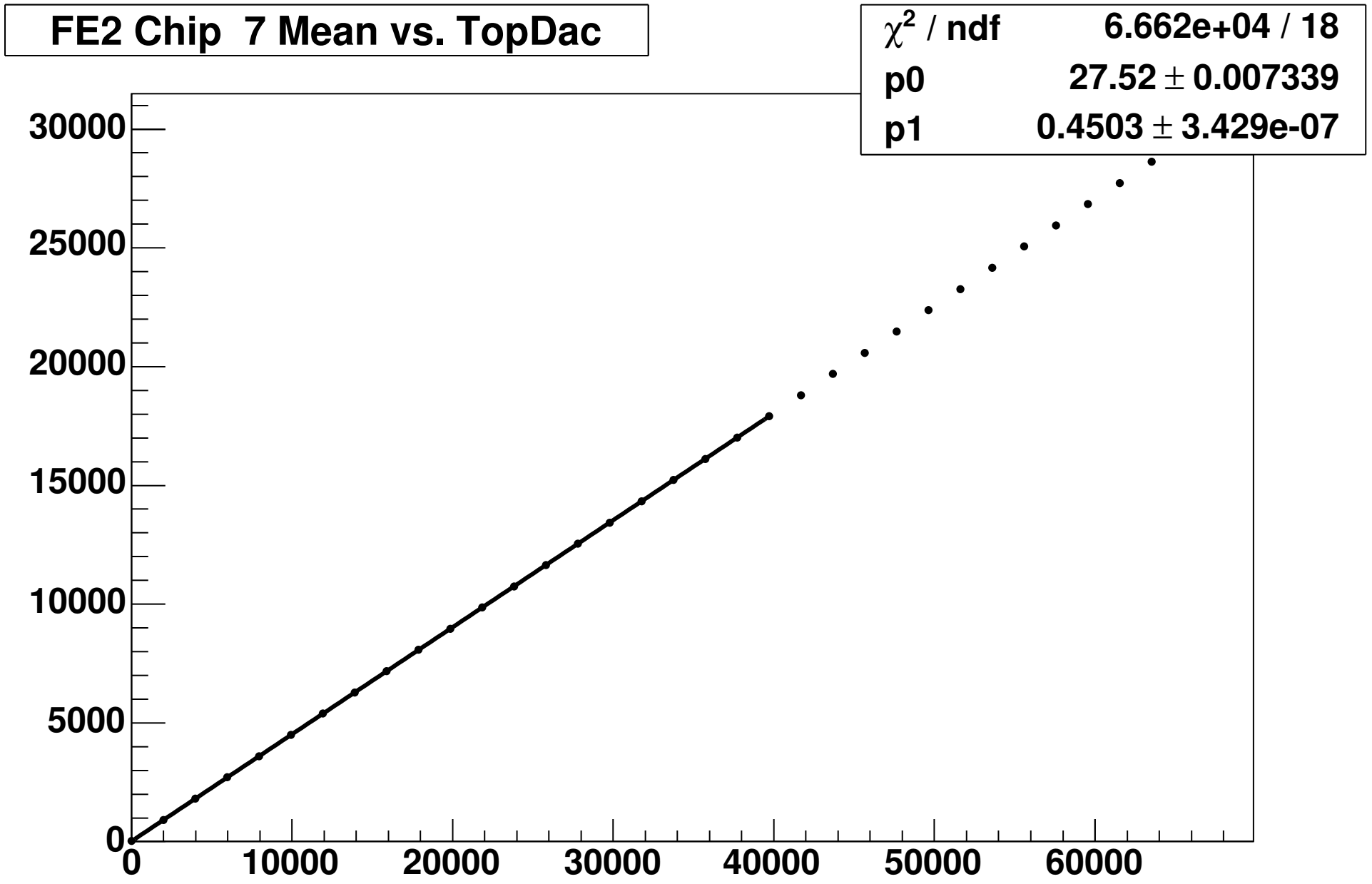
FE2 Chip 7 Mean vs. TopDac
χ² / ndf 6.662e+04 / 18
p0 27.52 ± 0.007339
p1 0.4503 ± 3.429e-07
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20000
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10000
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0
0
10000
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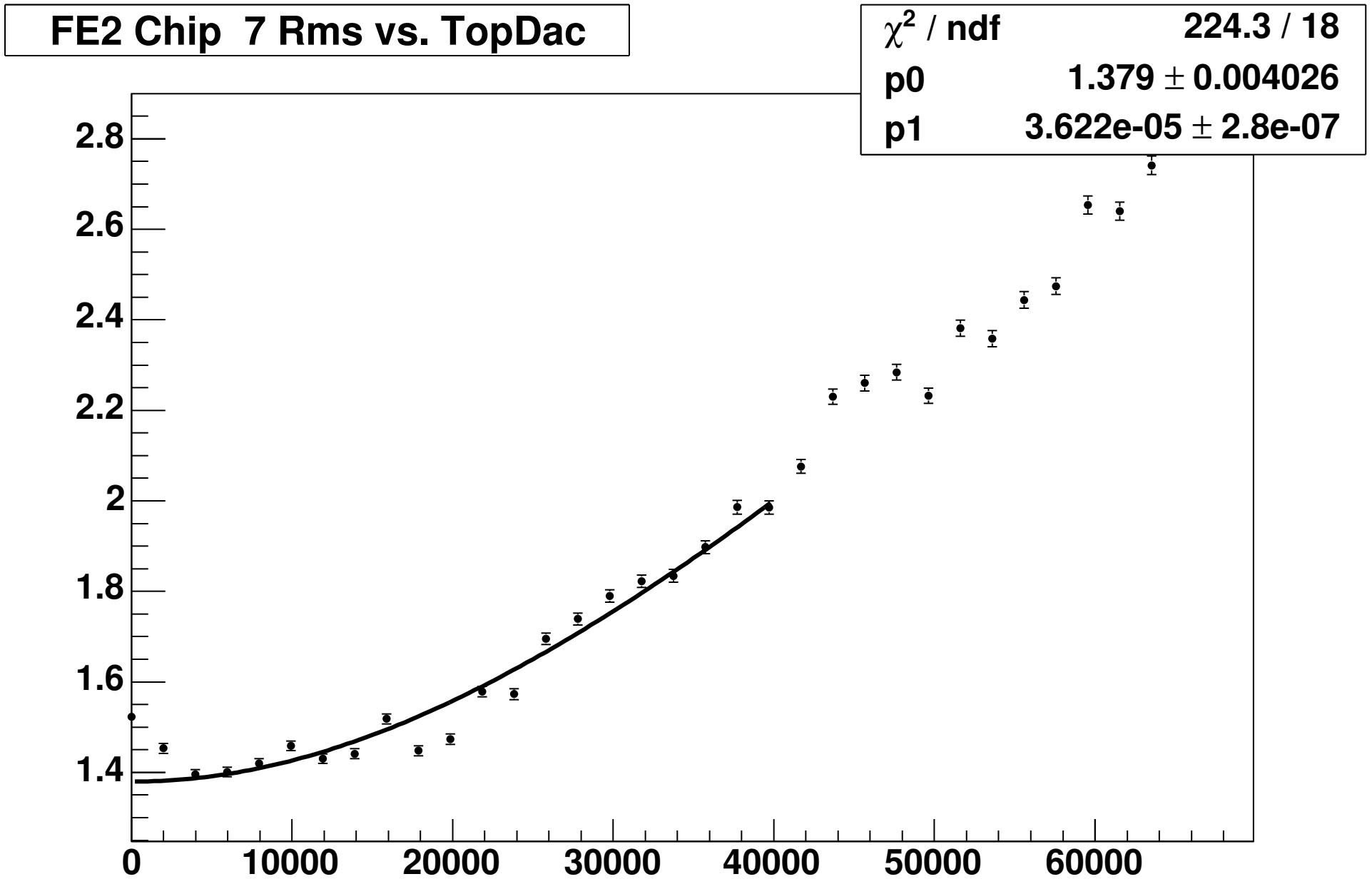
40000
50000
60000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 224.3 / 18
p0 1.379 ± 0.004026
p1 3.622e-05 ± 2.8e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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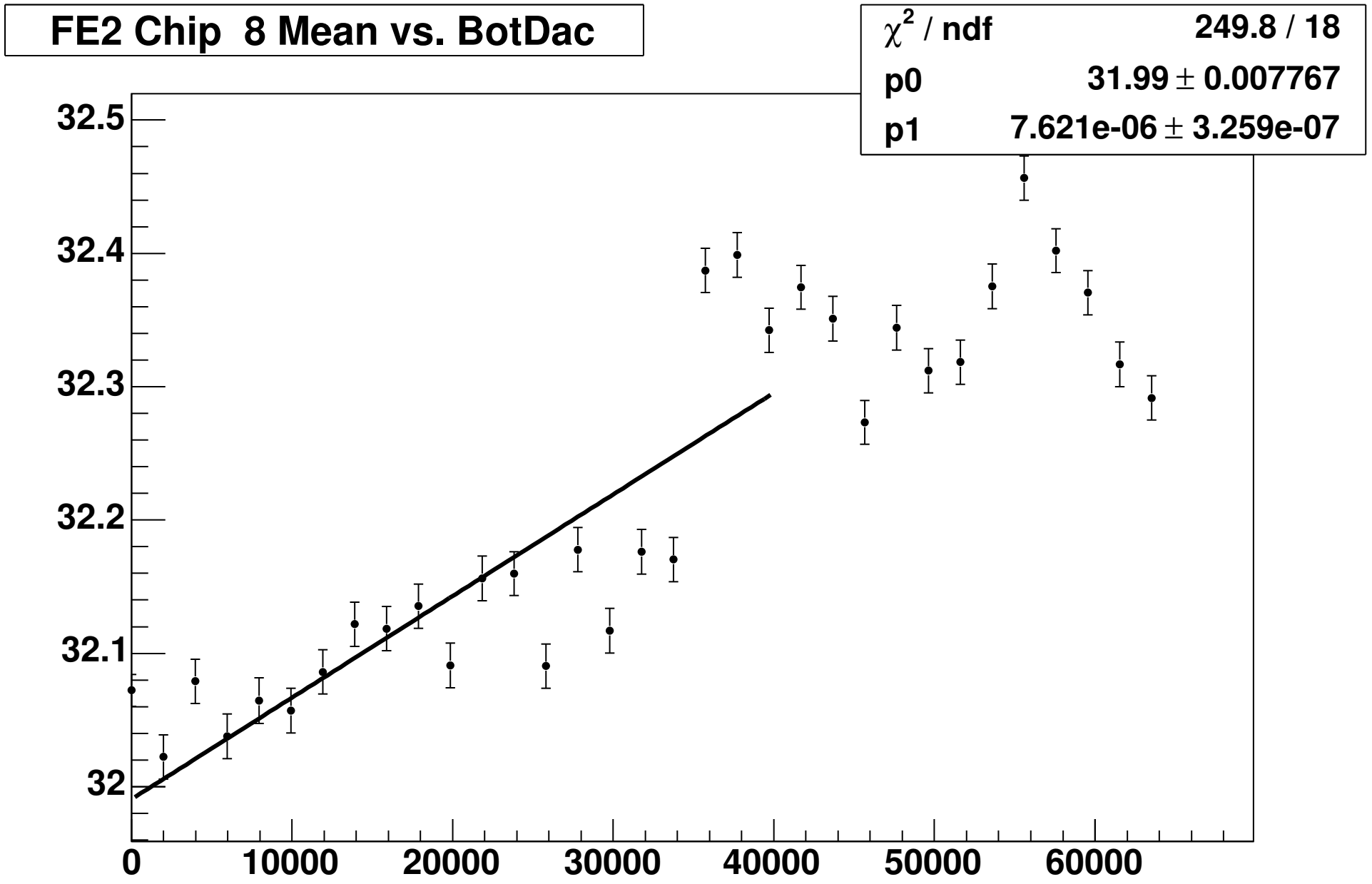
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 249.8 / 18
p0 31.99 ± 0.007767
p1 7.621e-06 ± 3.259e-07
32.5
32.4
32.3
32.2
32.1
32
0
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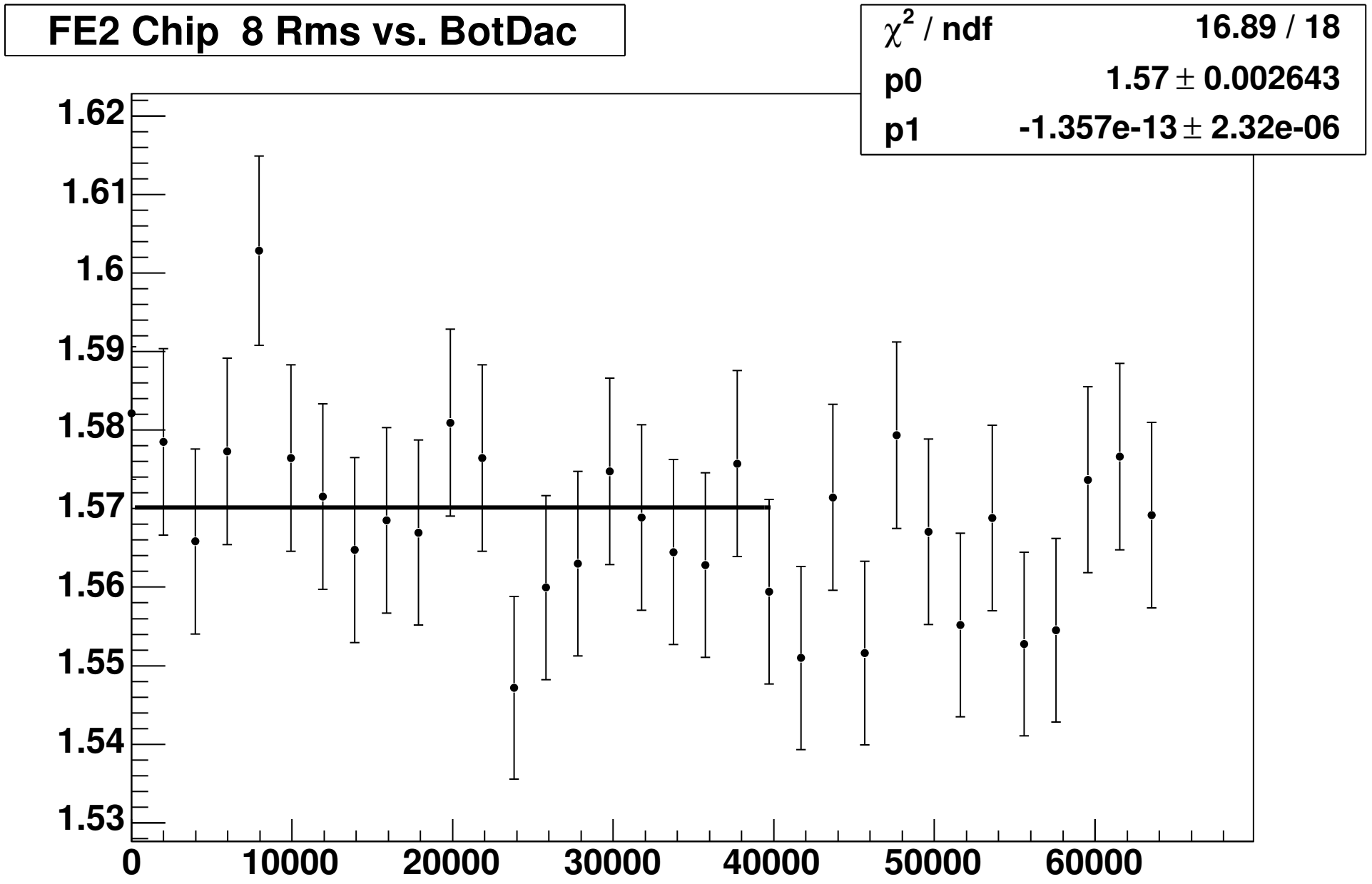
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 16.89 / 18
p0 1.57 ± 0.002643
p1 -1.357e-13 ± 2.32e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
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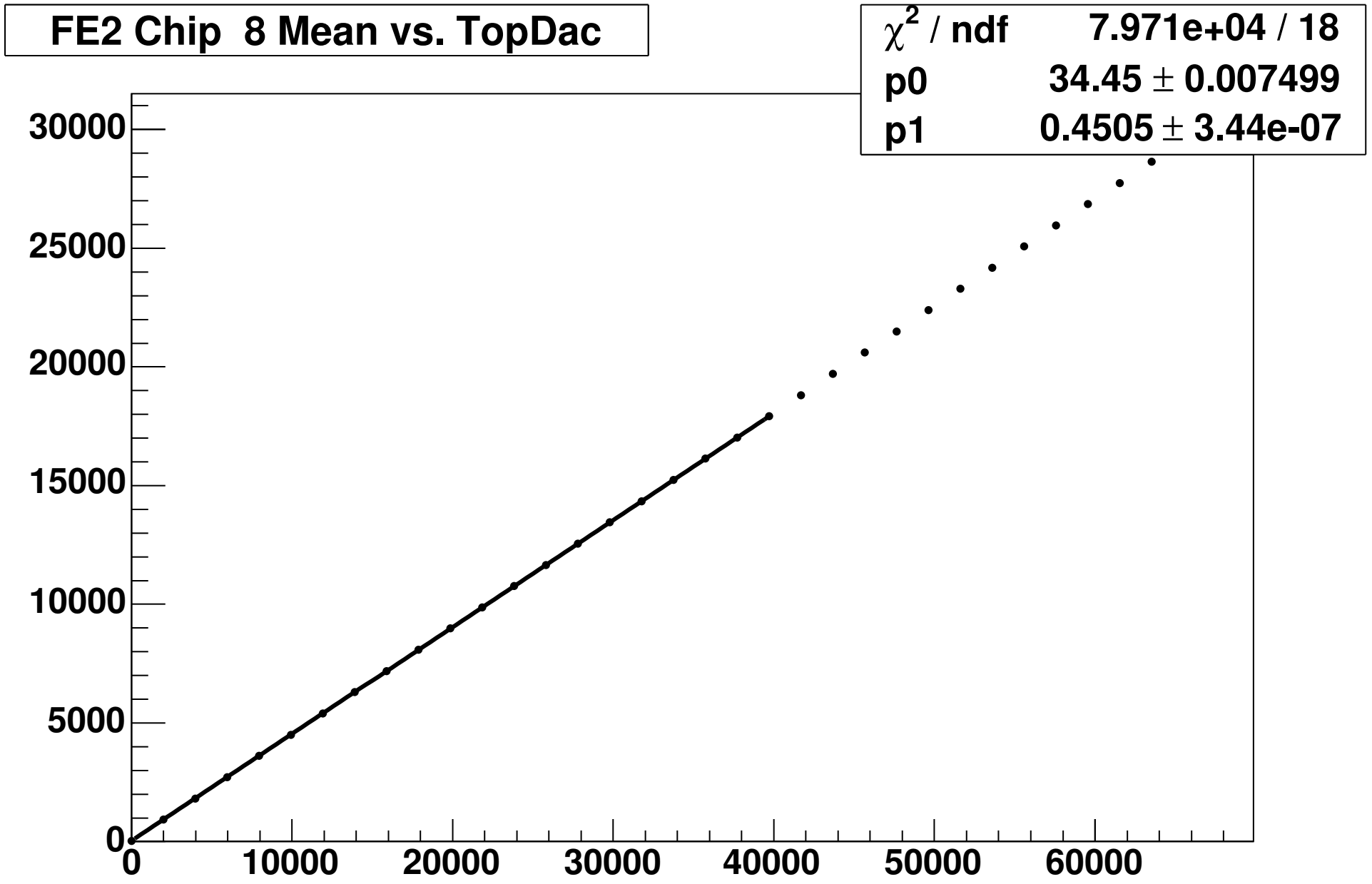
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 7.971e+04 / 18
p0 34.45 ± 0.007499
p1 0.4505 ± 3.44e-07
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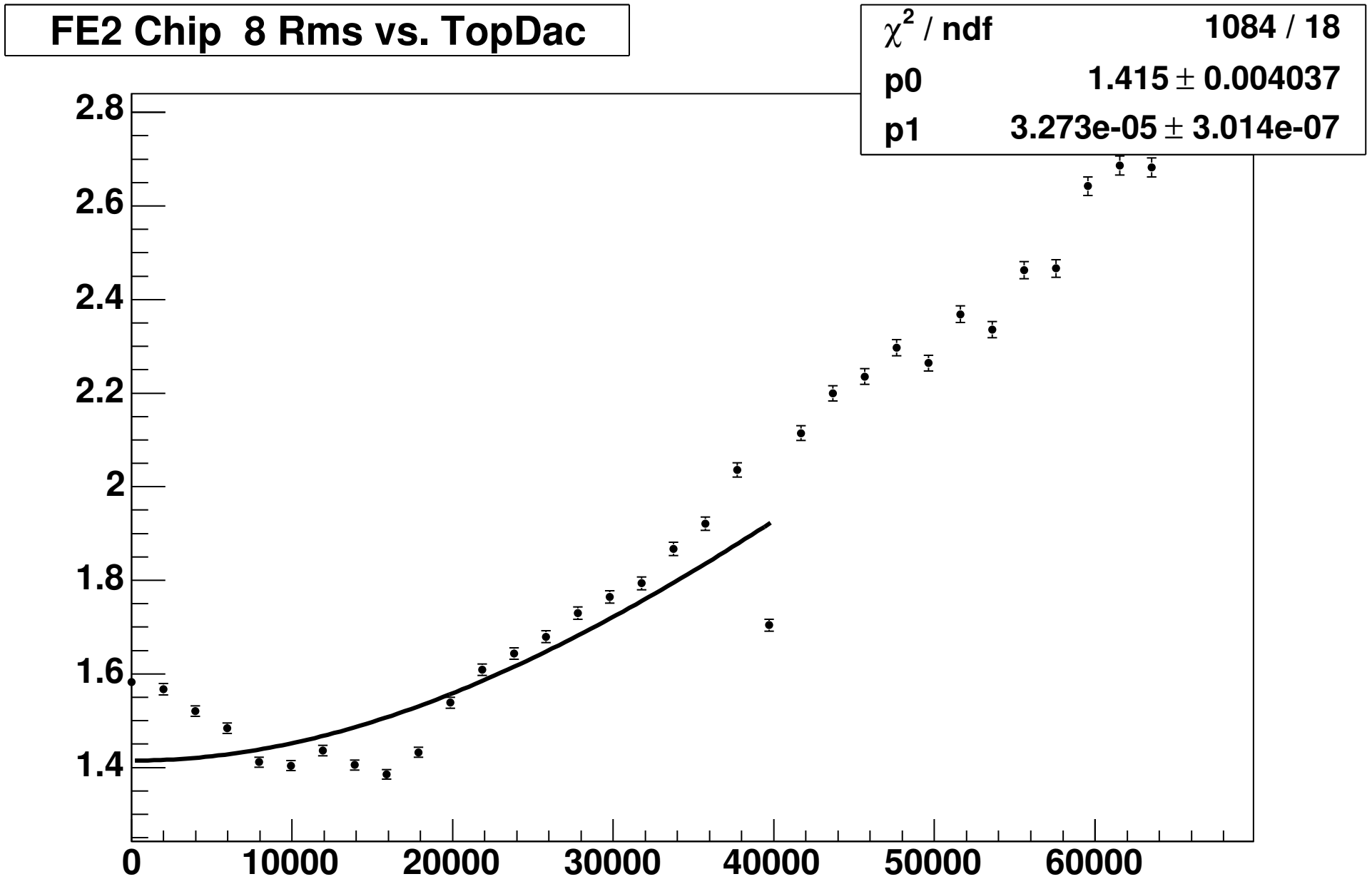
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 1084 / 18
p0 1.415 ± 0.004037
p1 3.273e-05 ± 3.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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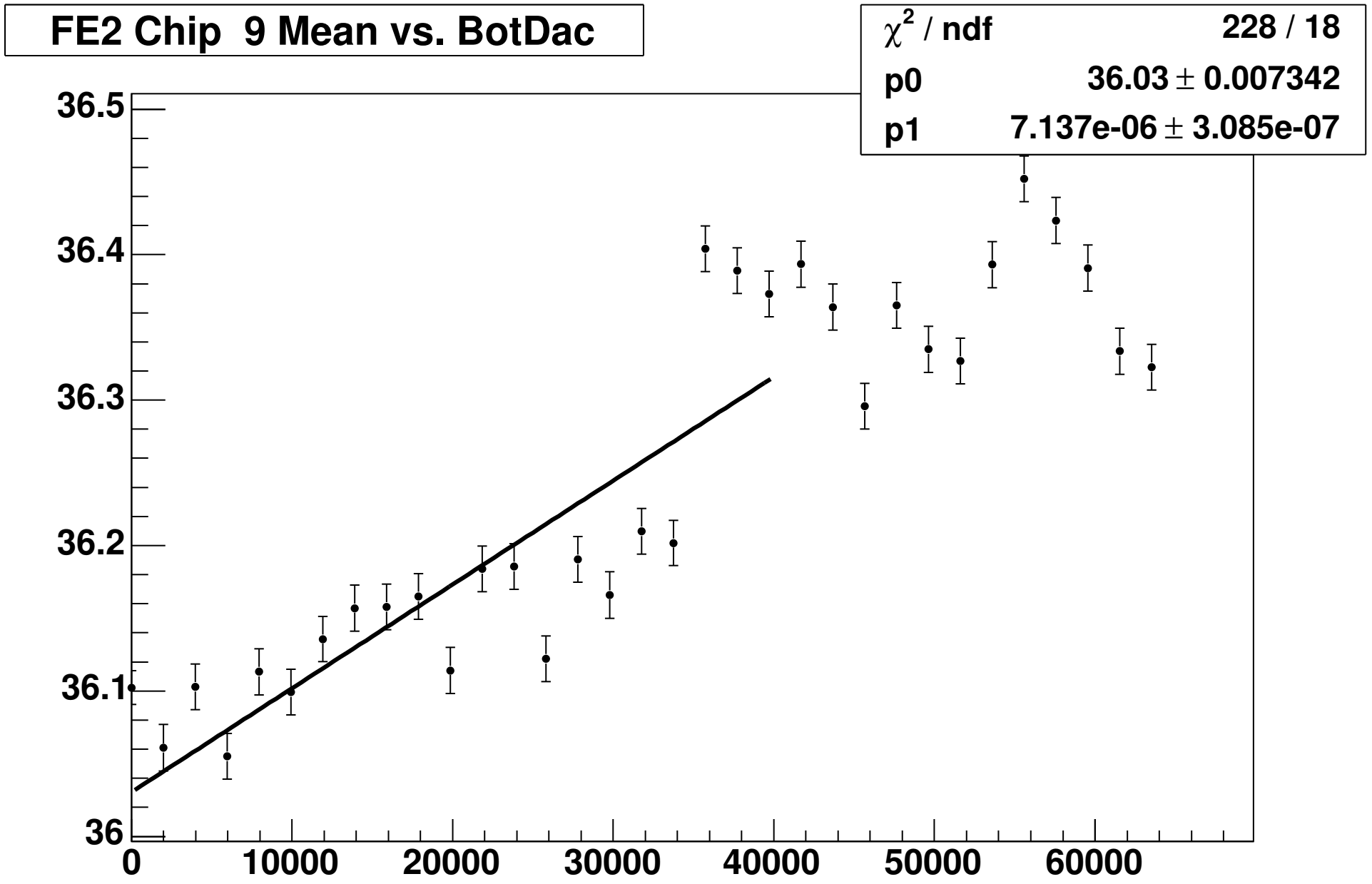
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 228 / 18
p0 36.03 ± 0.007342
p1 7.137e-06 ± 3.085e-07
36.5
36.4
36.3
36.2
36.1
36
0
10000
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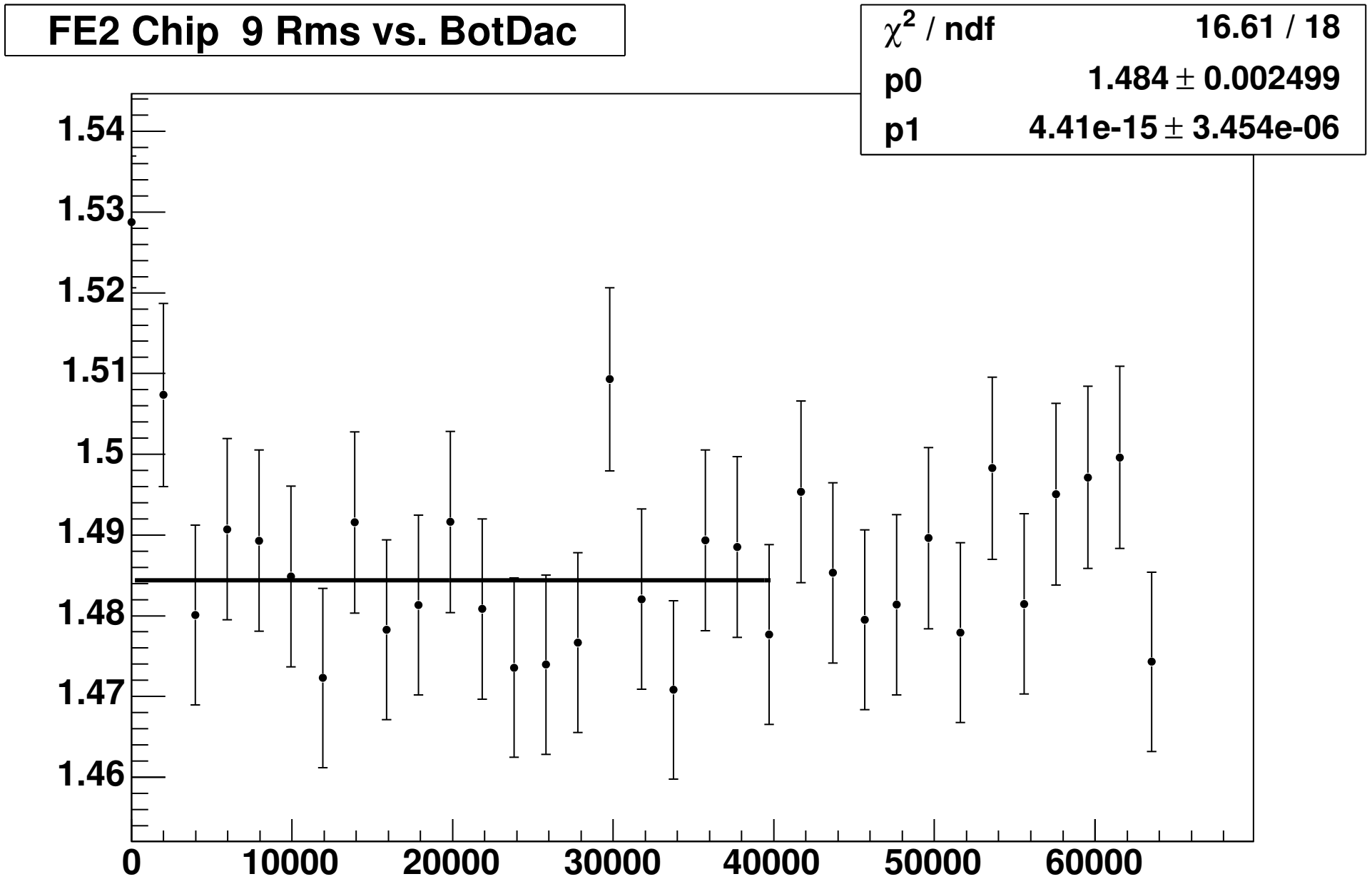
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 16.61 / 18
p0 1.484 ± 0.002499
p1 4.41e-15 ± 3.454e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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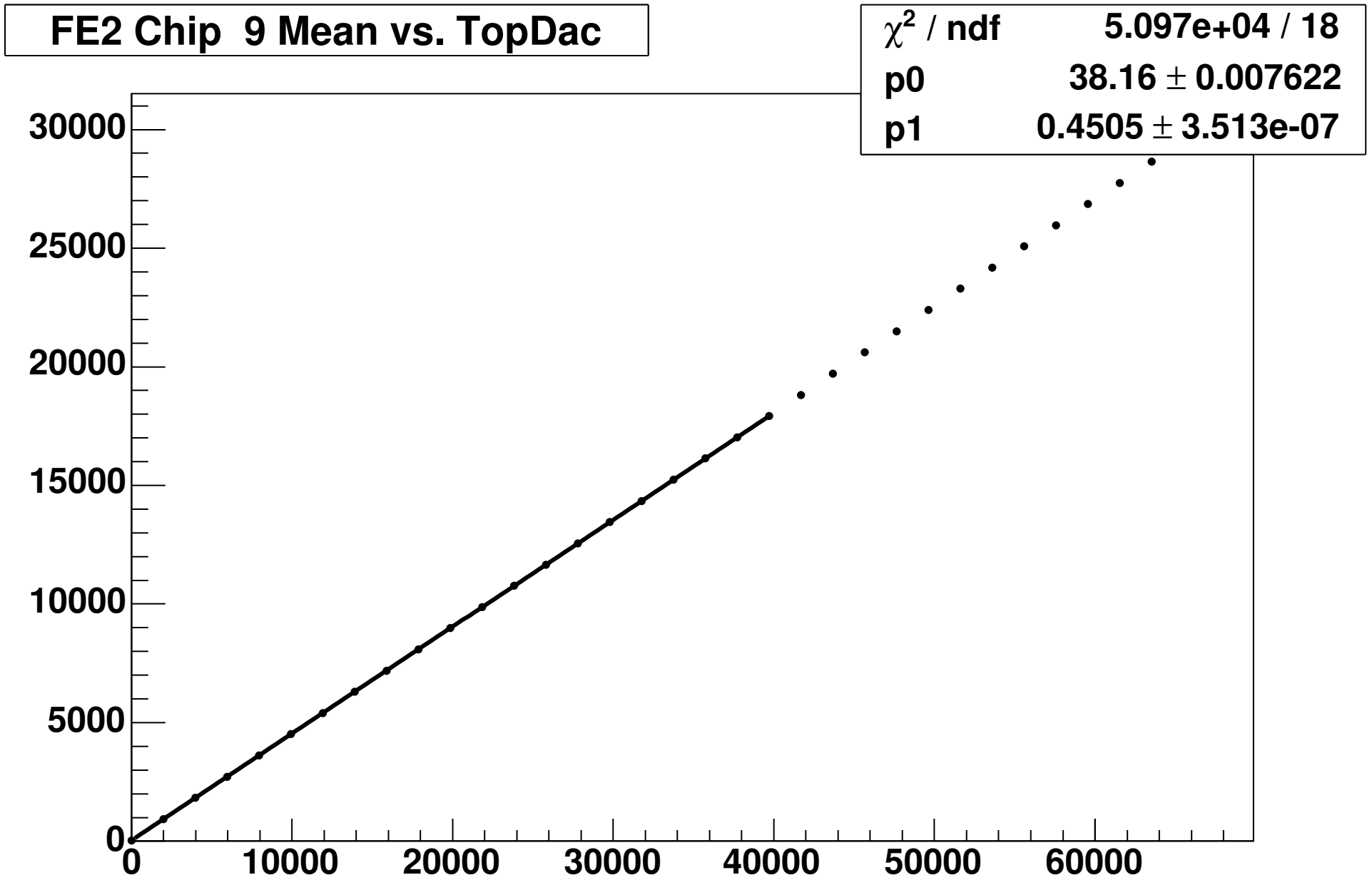
30000
40000
50000
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 5.097e+04 / 18
p0 38.16 ± 0.007622
p1 0.4505 ± 3.513e-07
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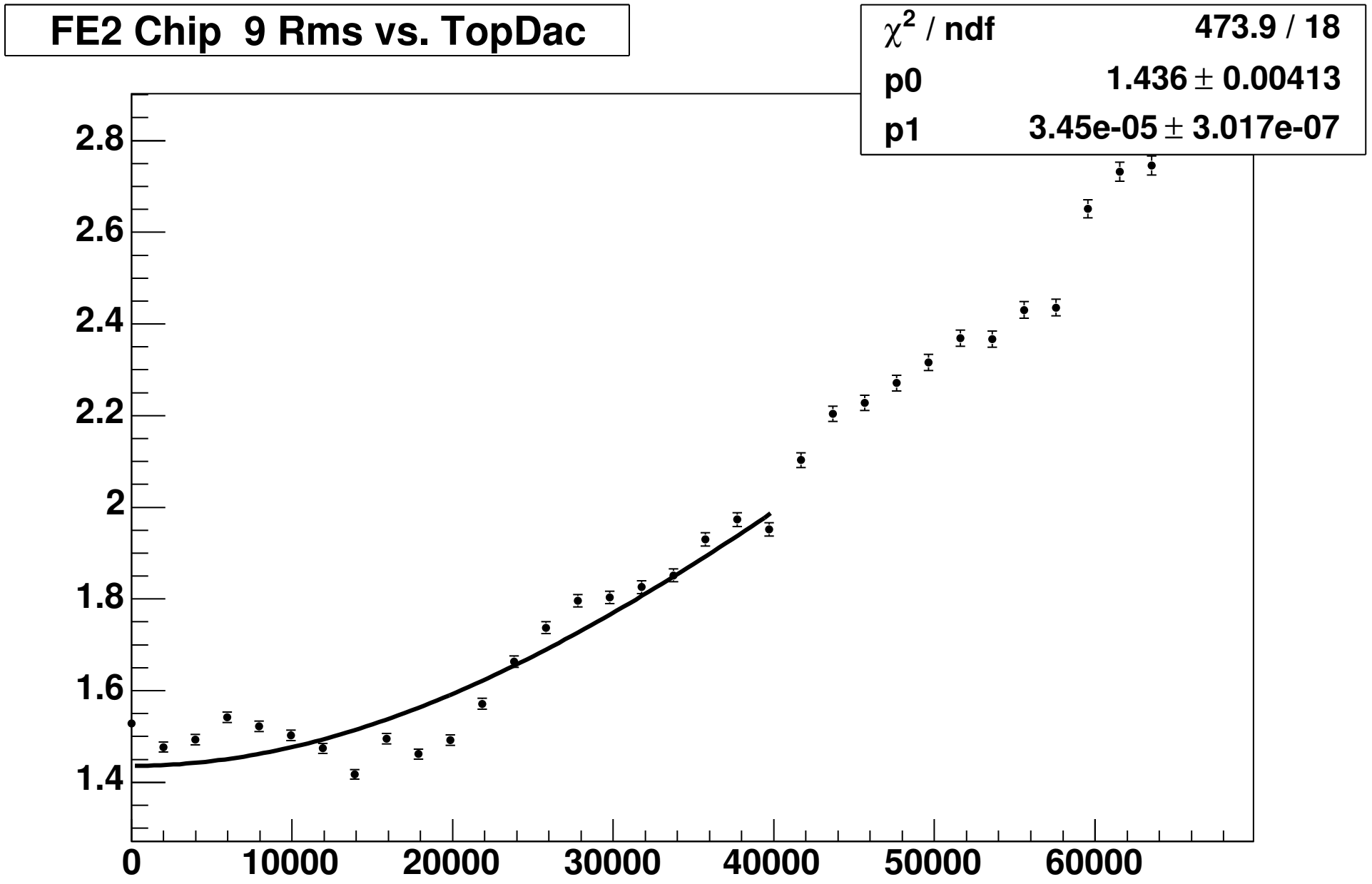
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ^2 / ndf 473.9 / 18
p0 1.436 ± 0.00413
p1 3.45e-05 ± 3.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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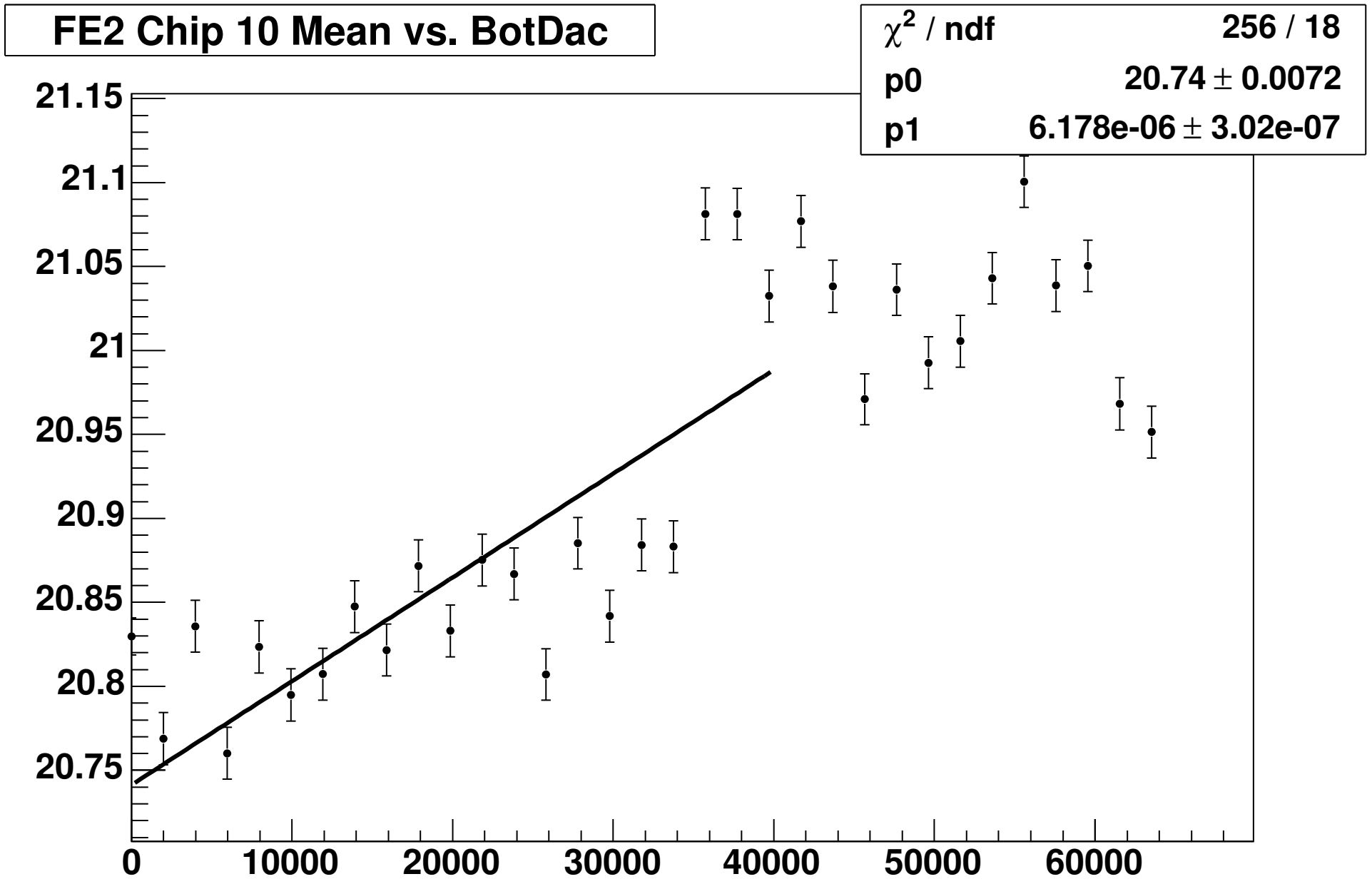
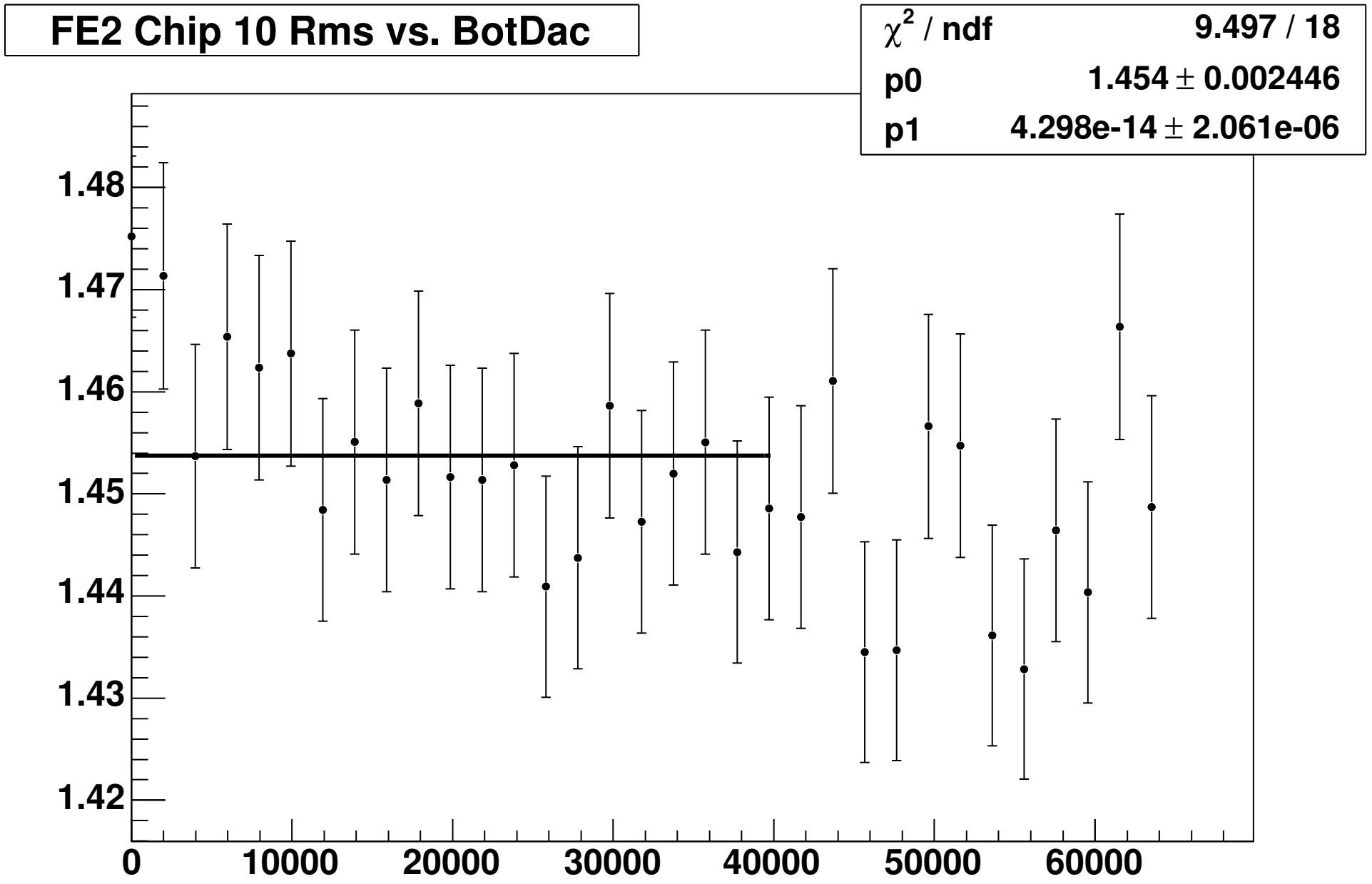
40000
50000
60000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 256 / 18
p0 20.74 ± 0.0072
p1 6.178e-06 ± 3.02e-07
21.15
21.1
21.05
21
20.95
20.9
20.85
20.8
20.75
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 9.497 / 18
p0 1.454 ± 0.002446
p1 4.298e-14 ± 2.061e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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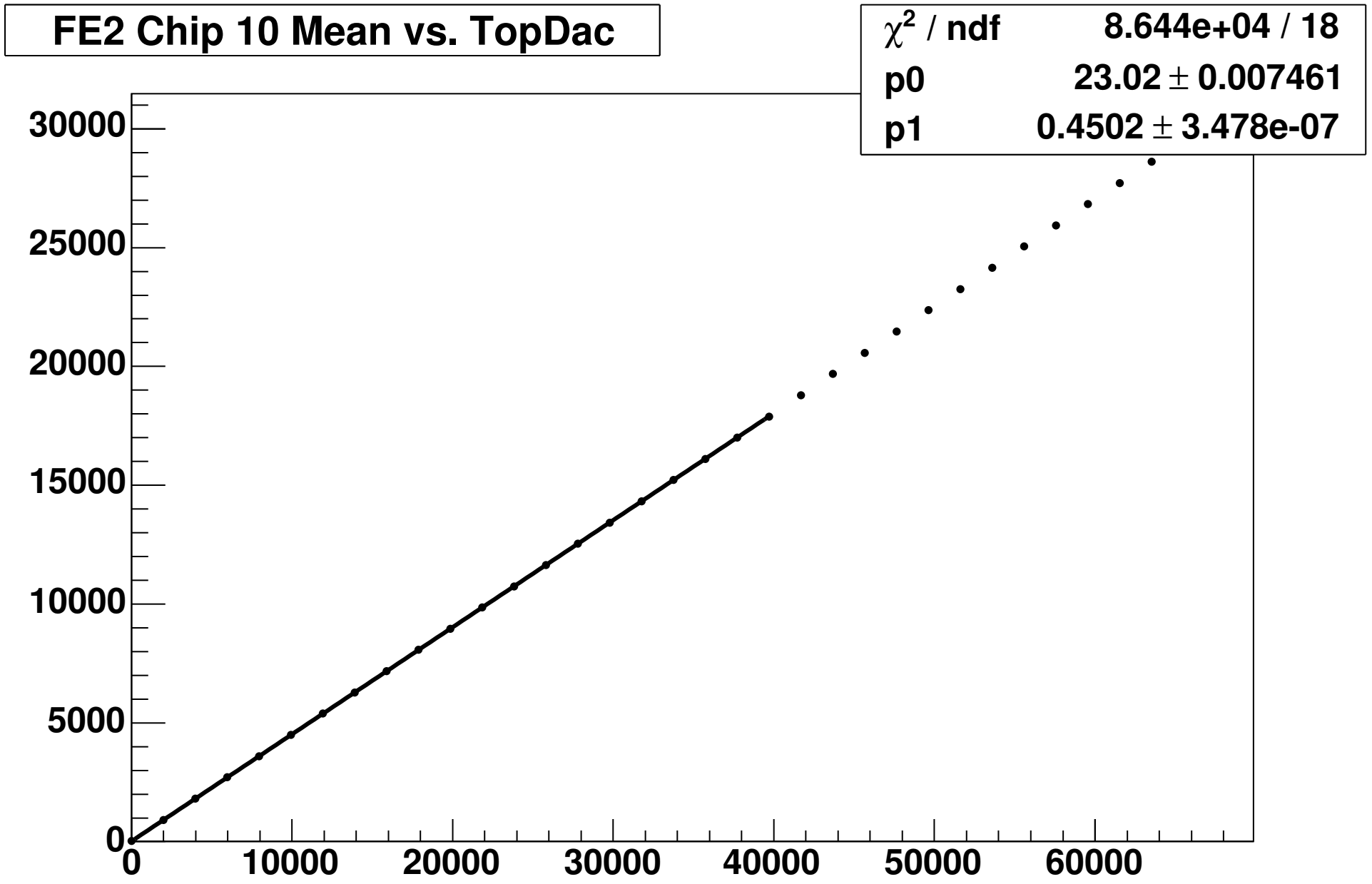
50000
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 8.644e+04 / 18
p0 23.02 ± 0.007461
p1 0.4502 ± 3.478e-07
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25000
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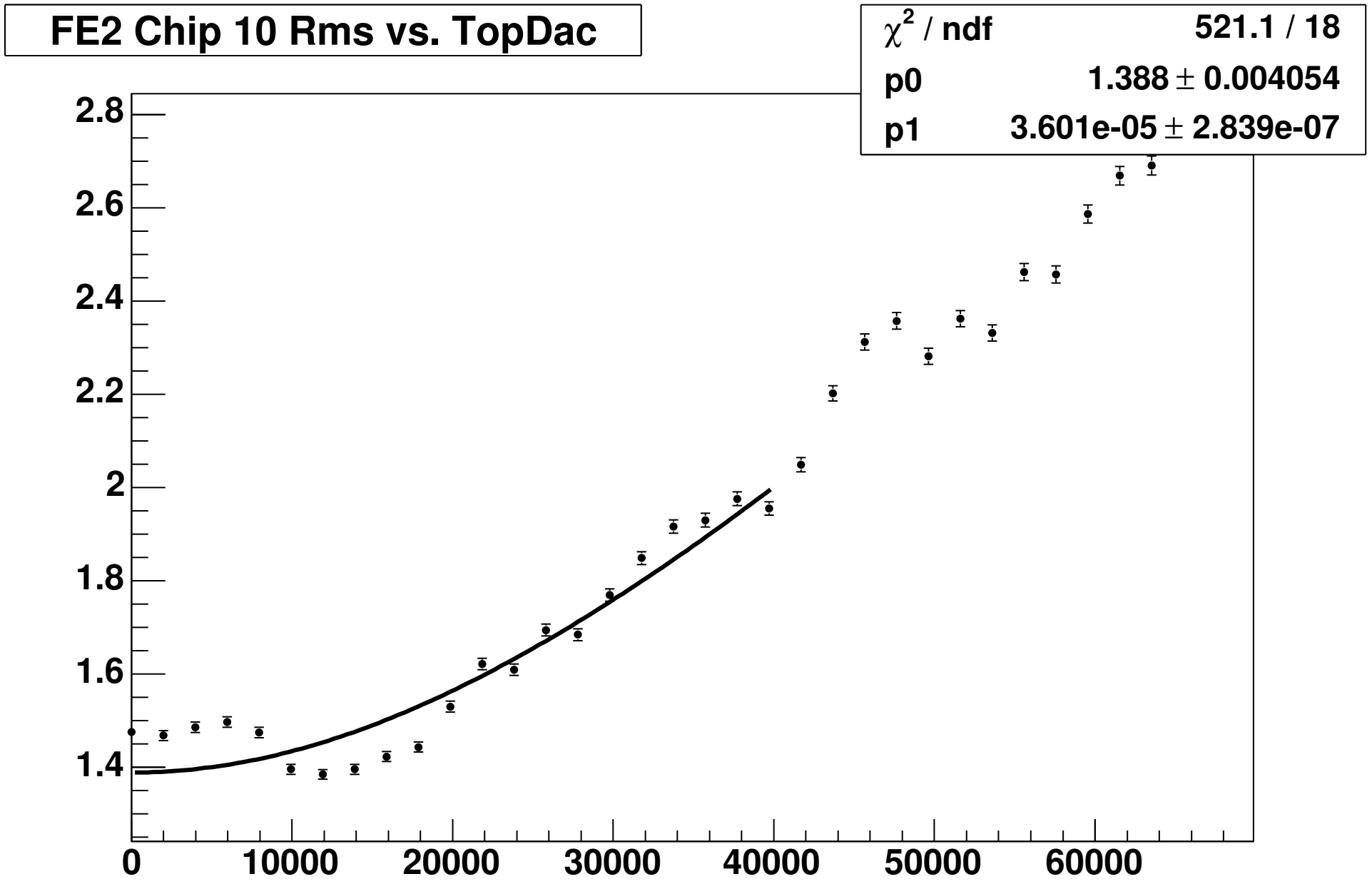
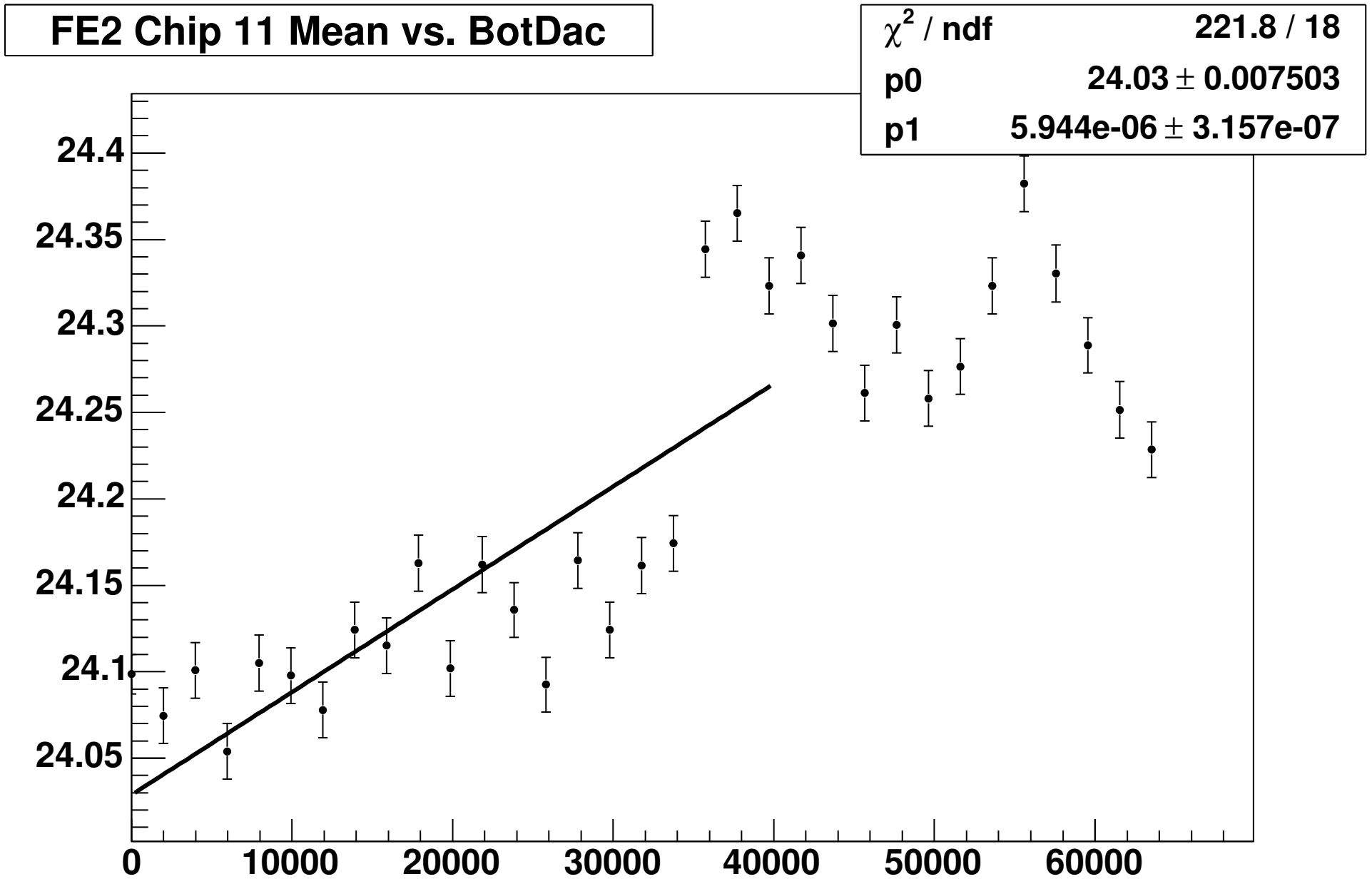
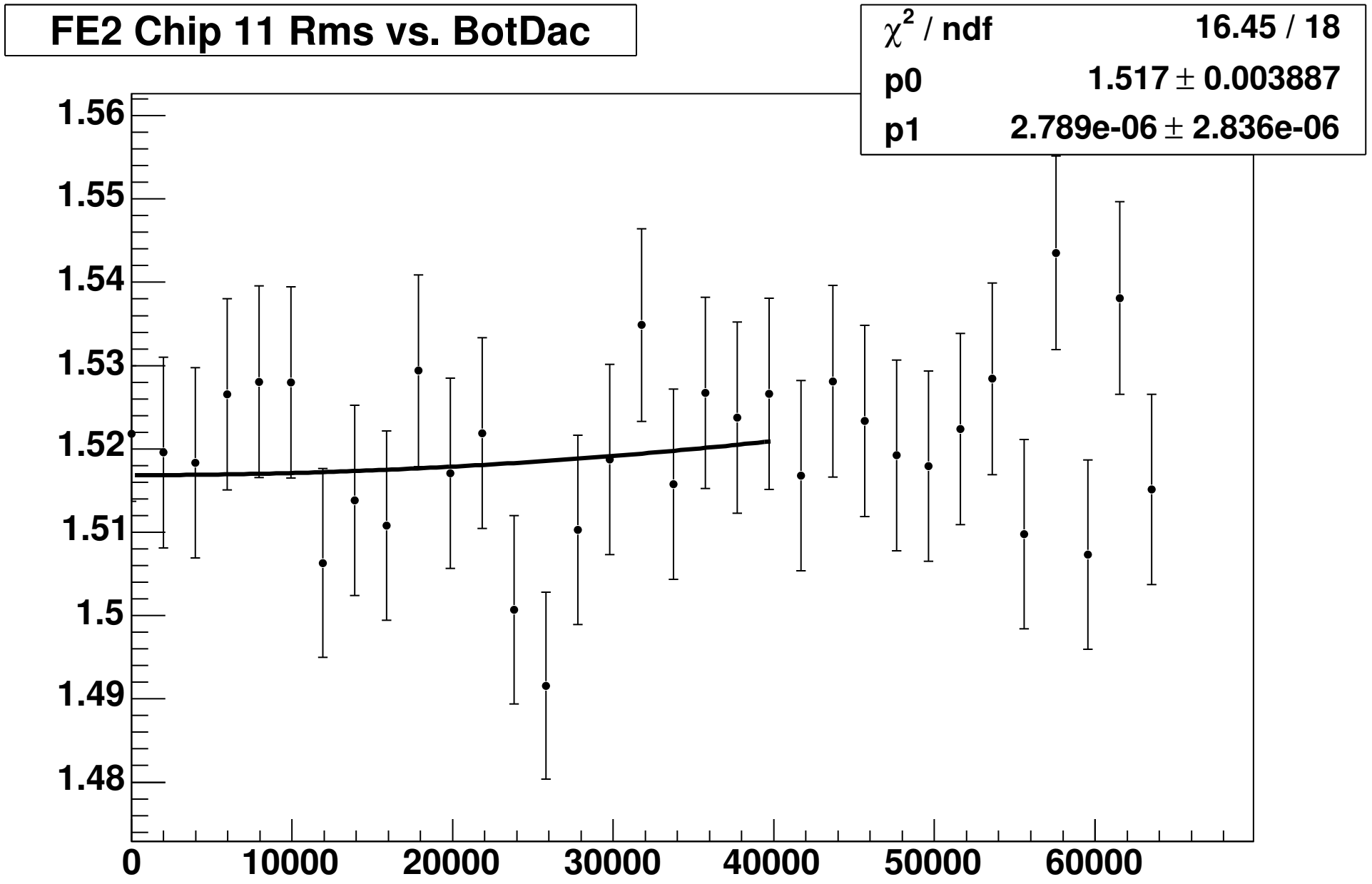
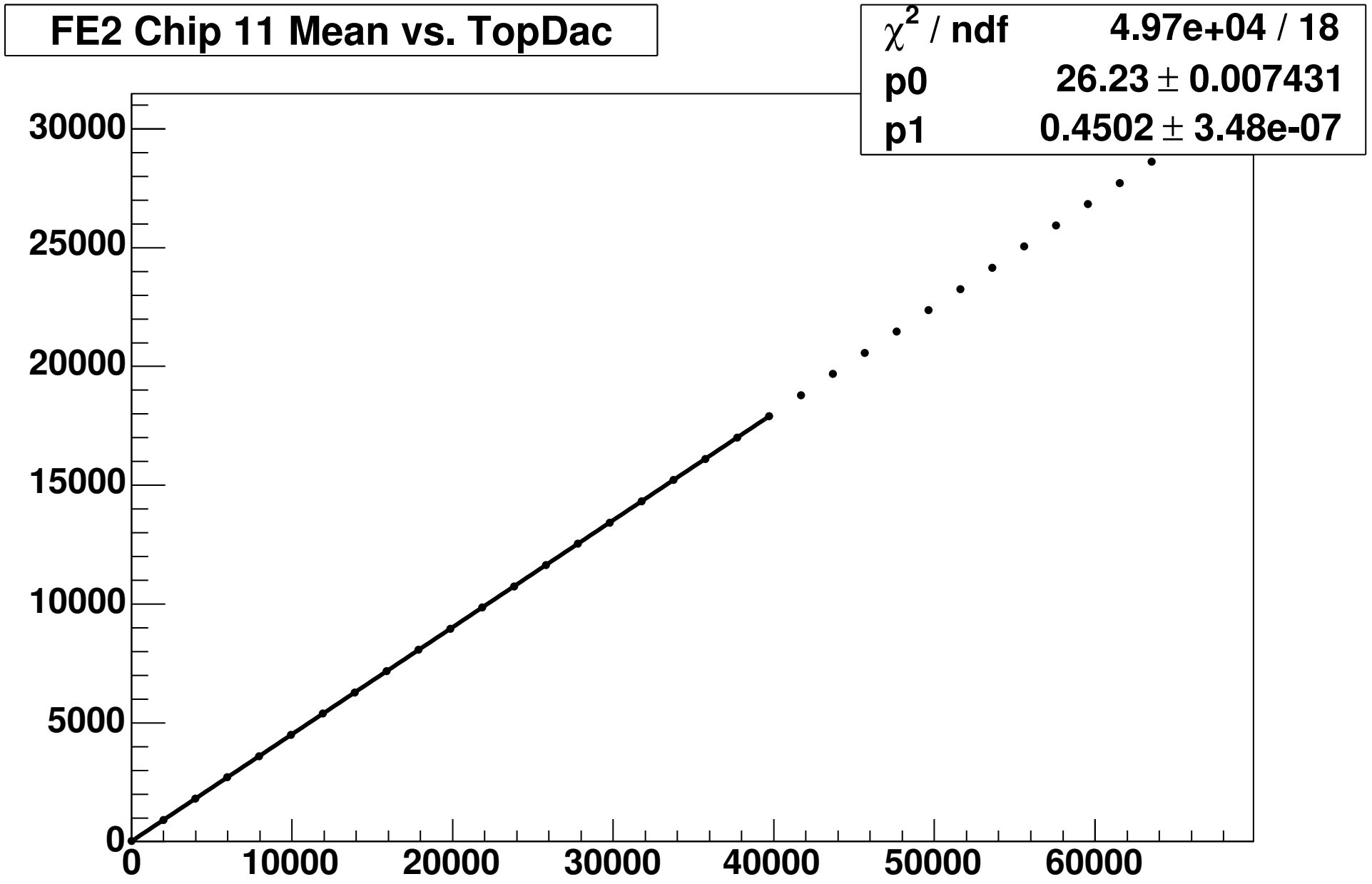
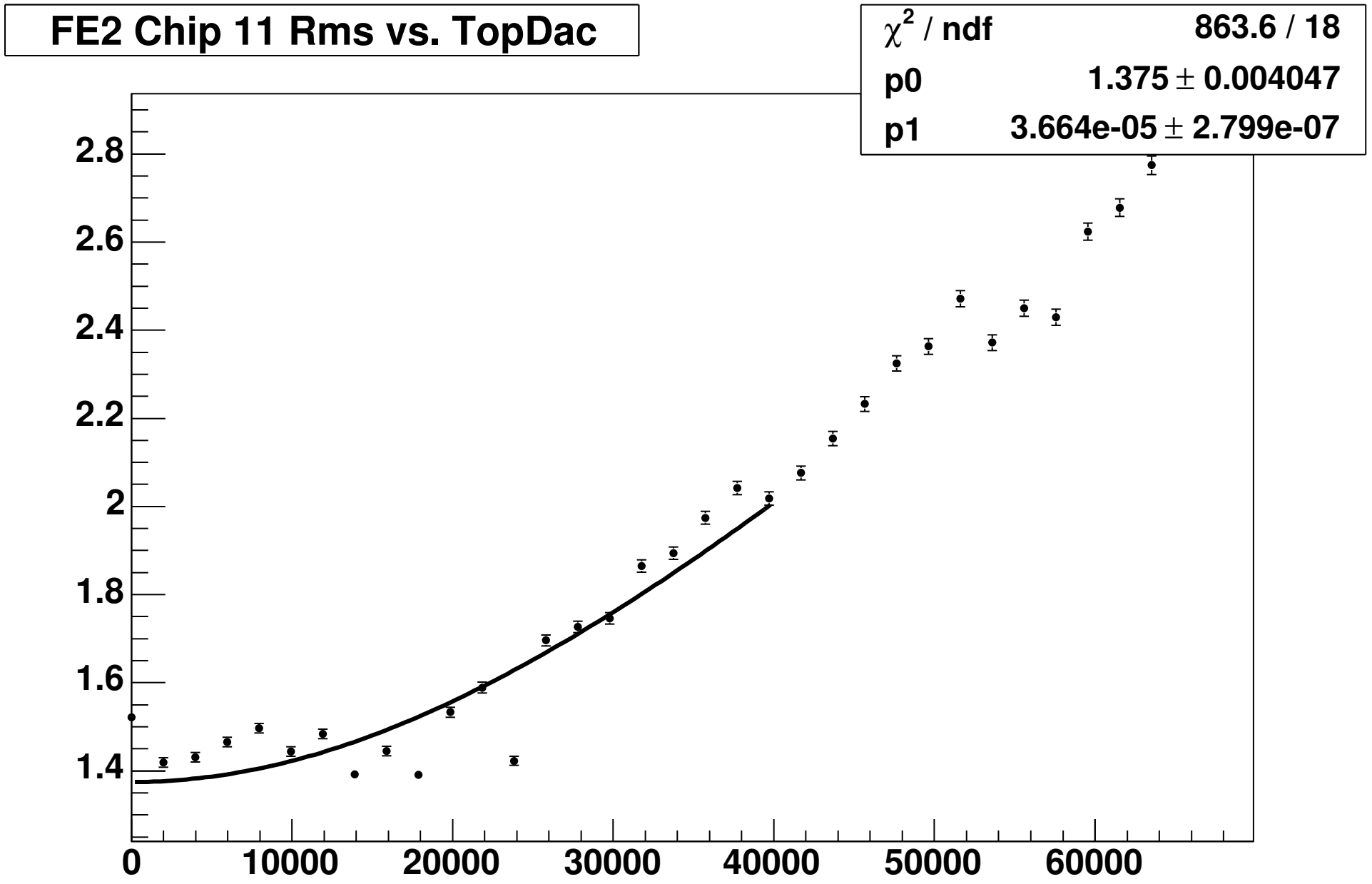
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 521.1 / 18
p0 1.388 ± 0.004054
p1 3.601e-05 ± 2.839e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 221.8 / 18
p0 24.03 ± 0.007503
p1 5.944e-06 ± 3.157e-07
24.4
24.35
24.3
24.25
24.2
24.15
24.1
24.05
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 16.45 / 18
p0 1.517 ± 0.003887
p1 2.789e-06 ± 2.836e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 4.97e+04 / 18
p0 26.23 ± 0.007431
p1 0.4502 ± 3.48e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 863.6 / 18
p0 1.375 ± 0.004047
p1 3.664e-05 ± 2.799e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
50000
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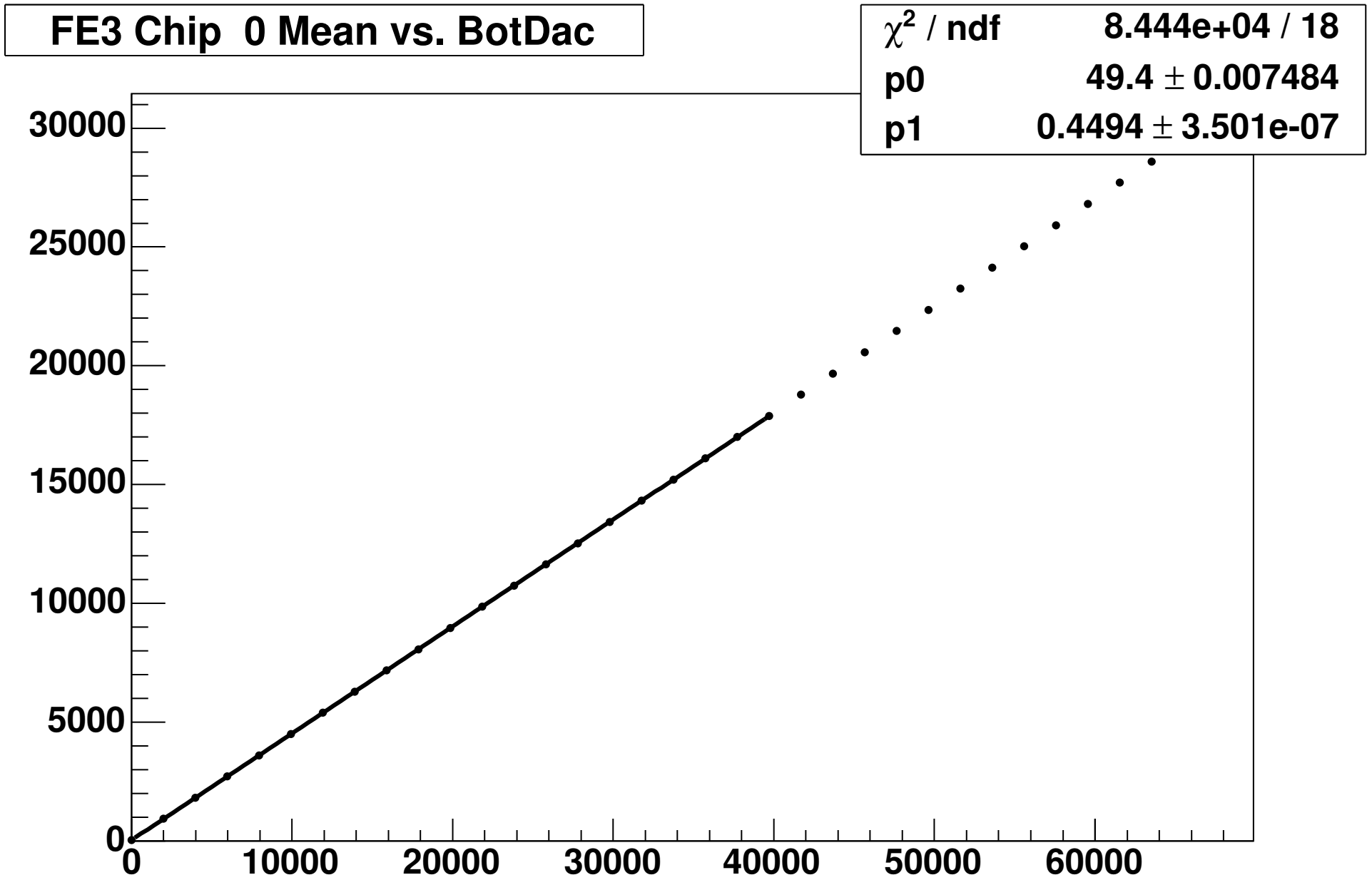
FE3 Chip 0 Mean vs. BotDac
χ² / ndf 8.444e+04 / 18
p0 49.4 ± 0.007484
p1 0.4494 ± 3.501e-07
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25000
20000
15000
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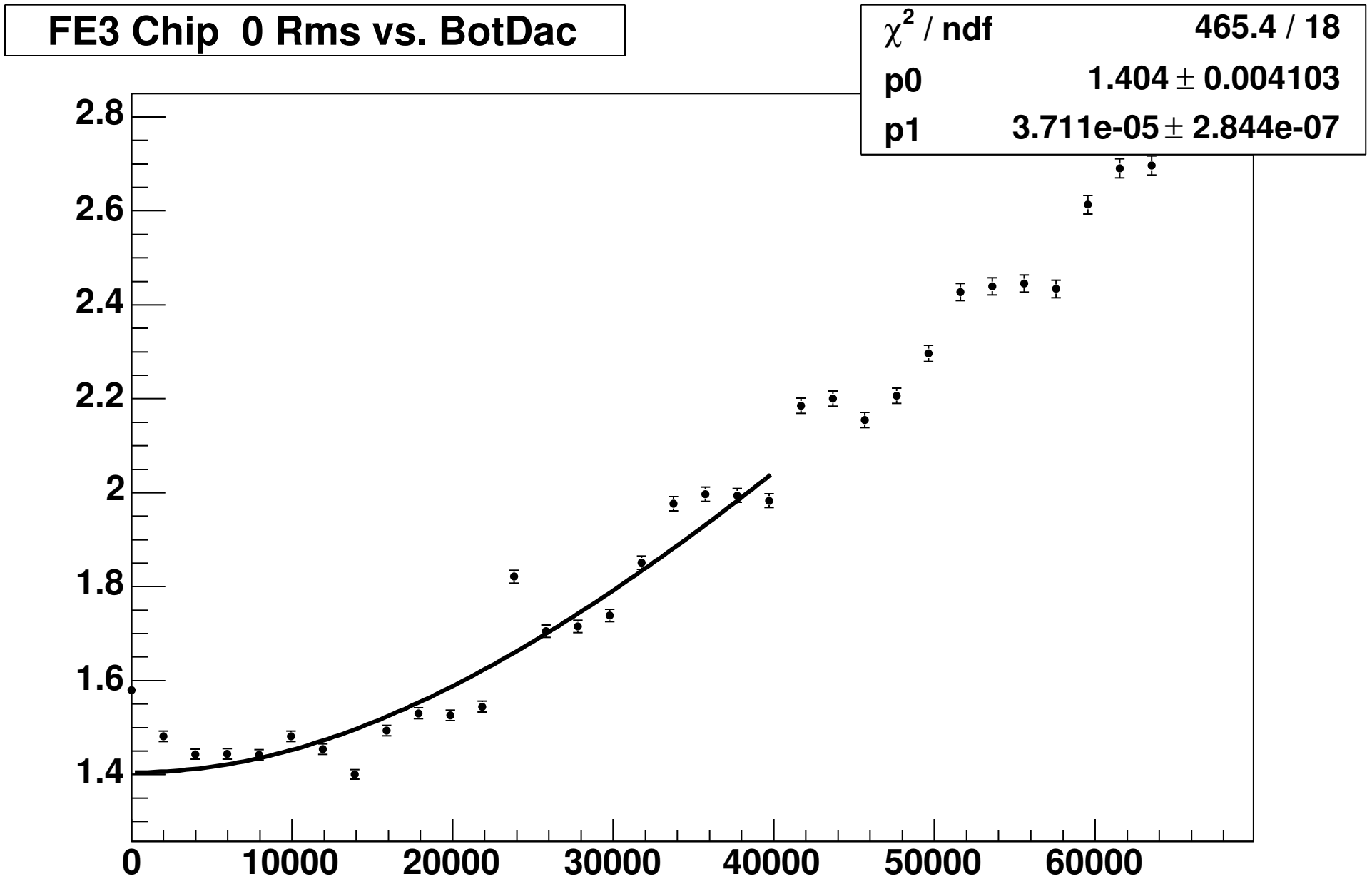
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 465.4 / 18
p0 1.404 ± 0.004103
p1 3.711e-05 ± 2.844e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
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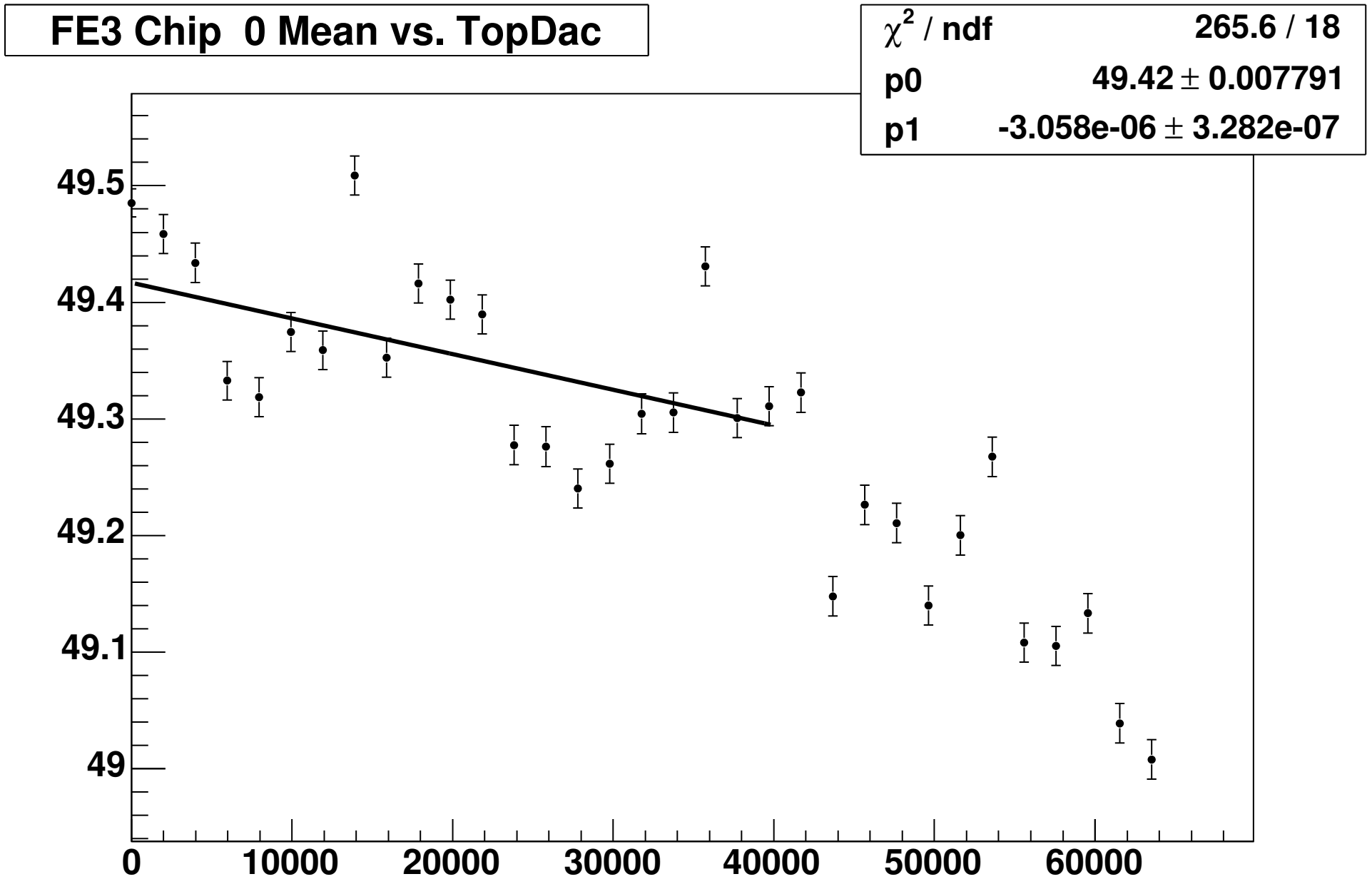
60000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 265.6 / 18
p0 49.42 ± 0.007791
p1 -3.058e-06 ± 3.282e-07
49.5
49.4
49.3
49.2
49.1
49
0
10000
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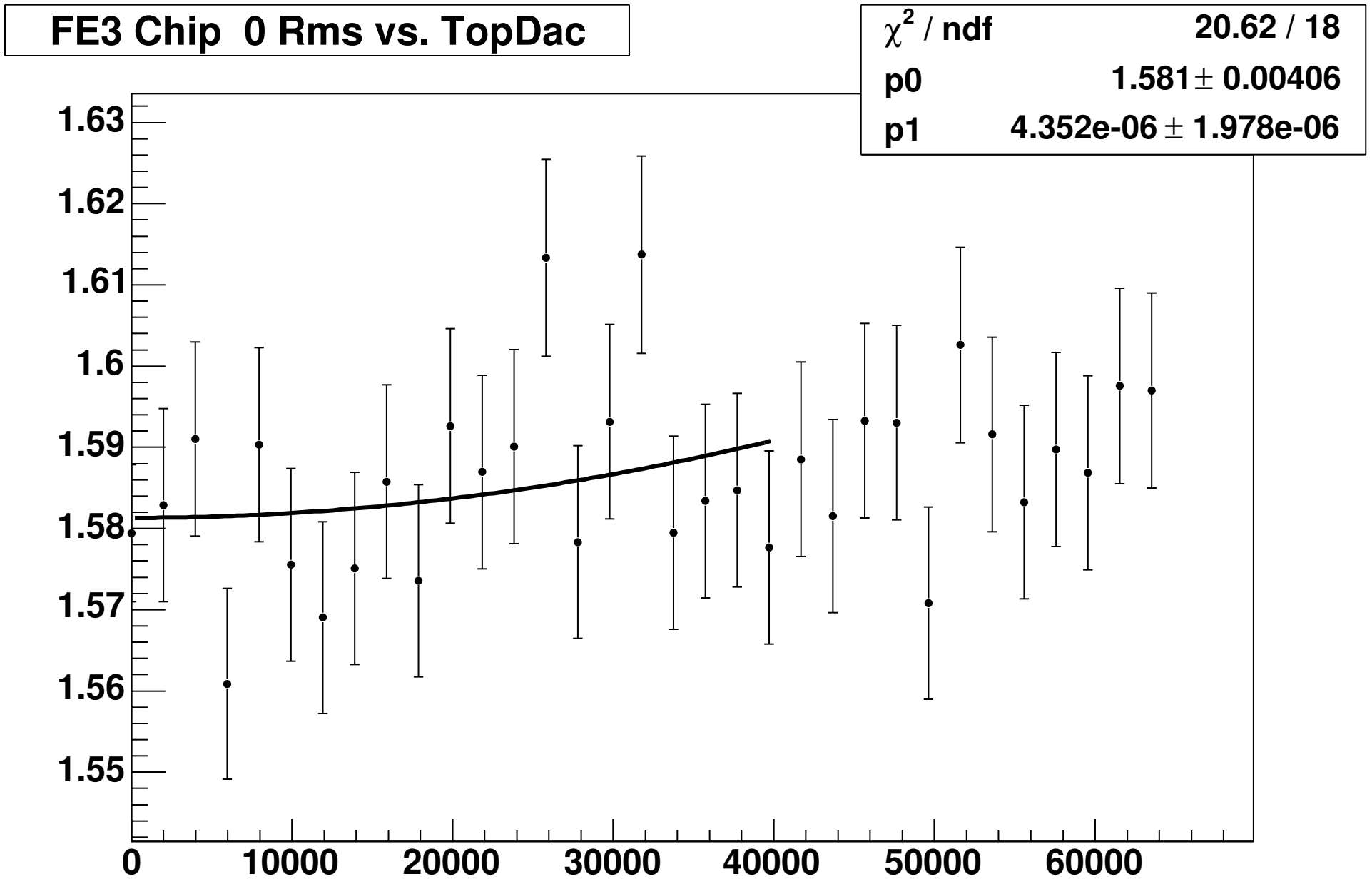
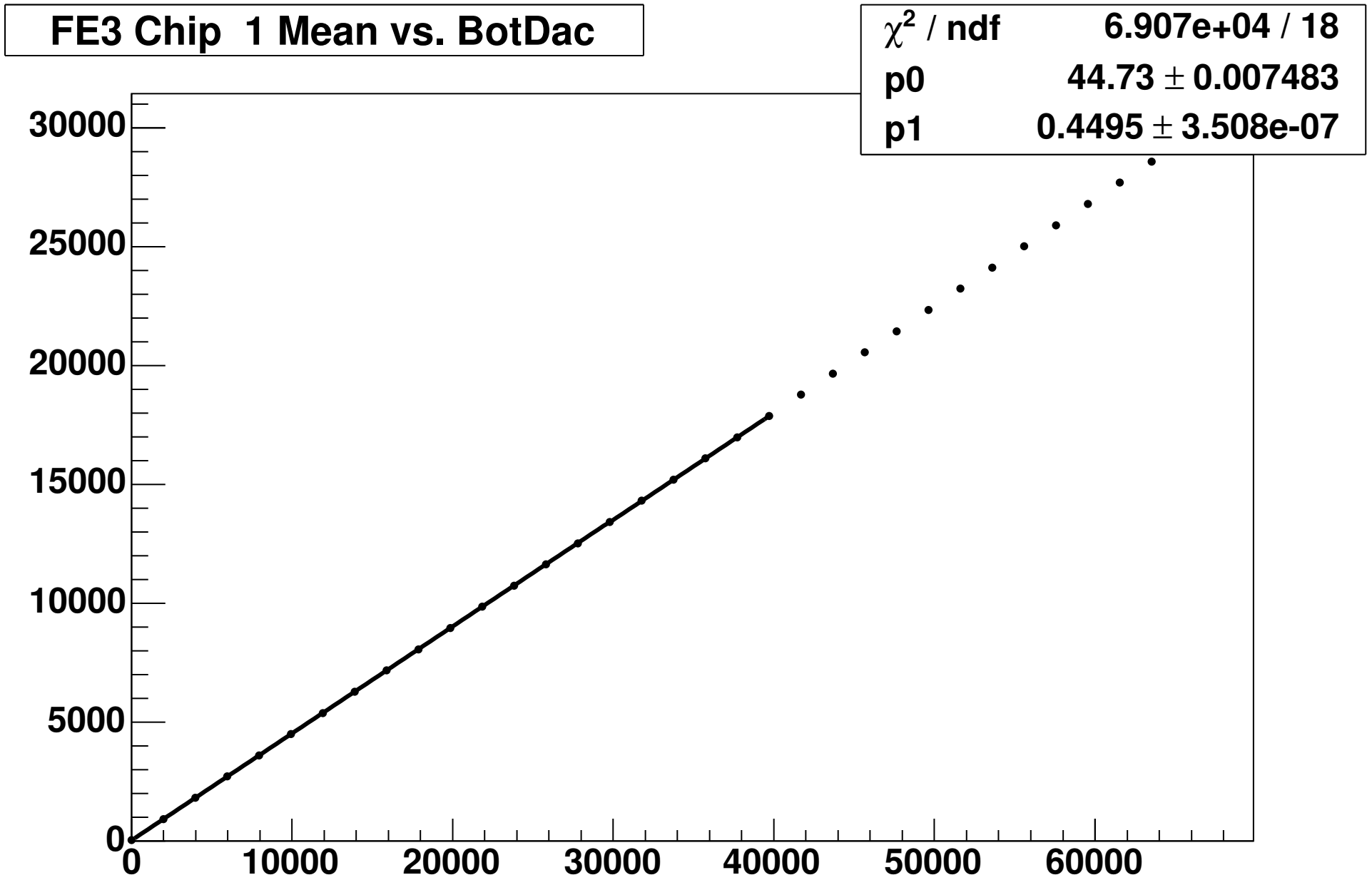
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 20.62 / 18
p0 1.581 ± 0.00406
p1 4.352e-06 ± 1.978e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 6.907e+04 / 18
p0 44.73 ± 0.007483
p1 0.4495 ± 3.508e-07
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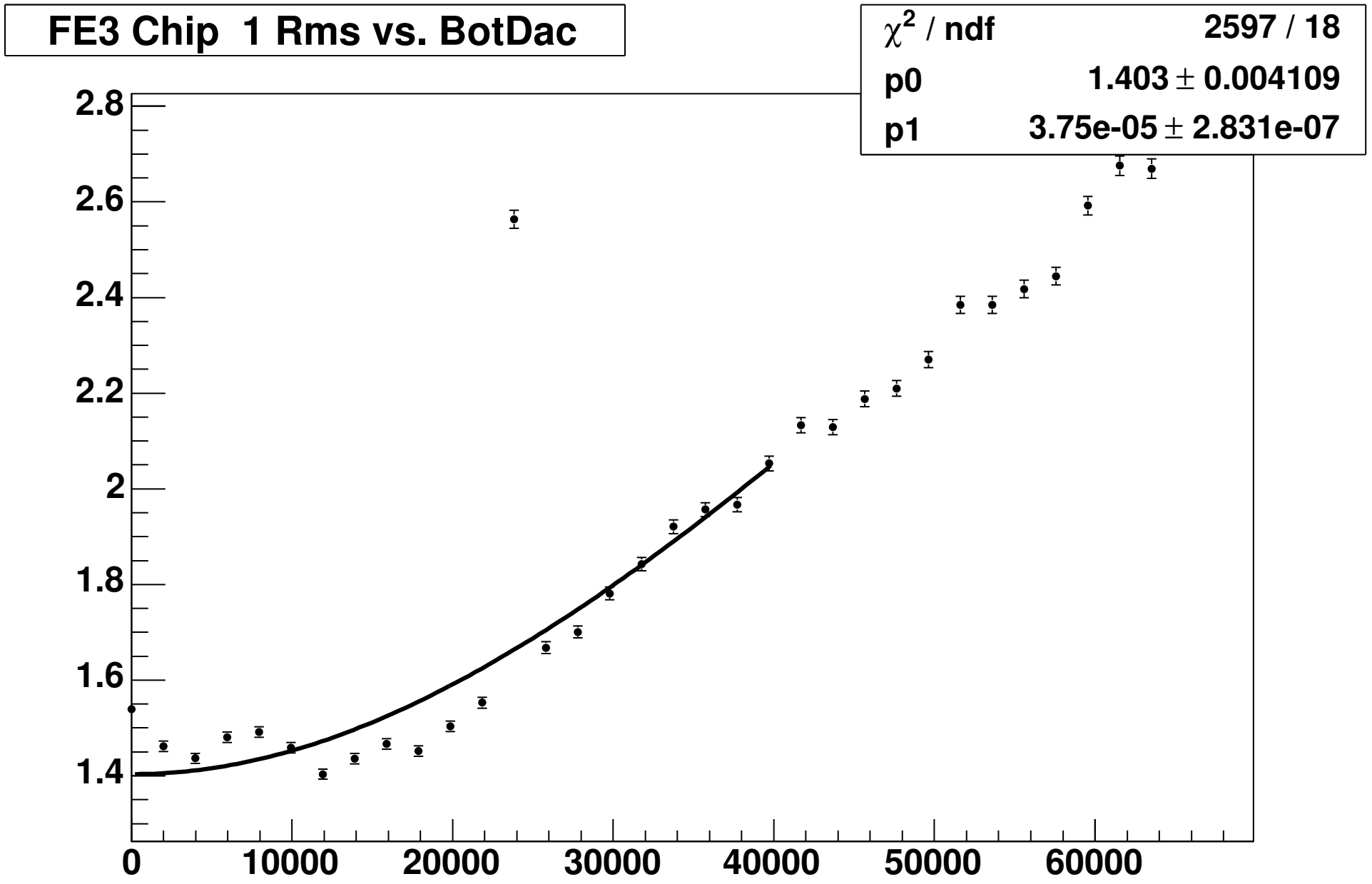
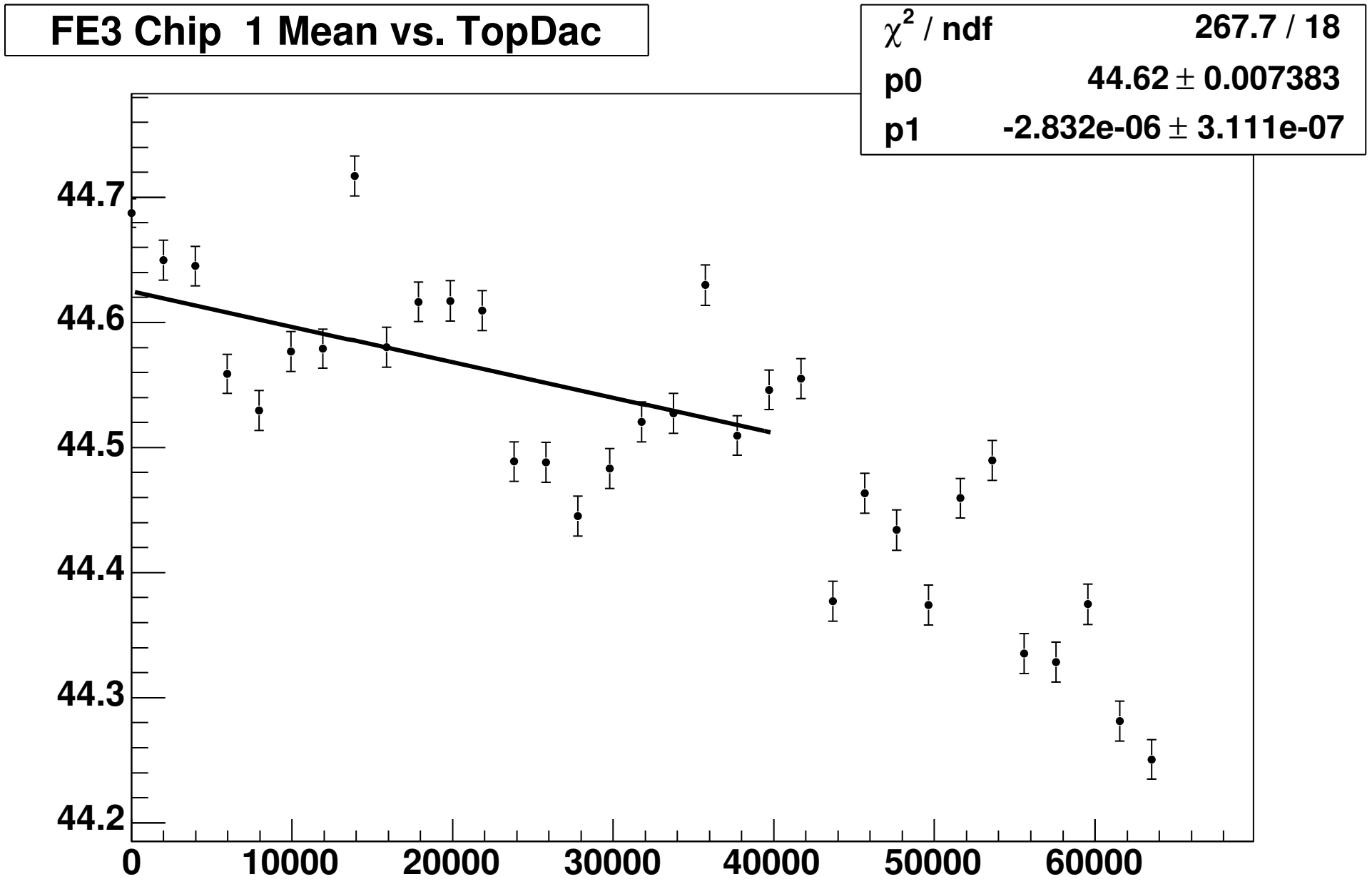
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 2597 / 18
p0 1.403 ± 0.004109
p1 3.75e-05 ± 2.831e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 267.7 / 18
p0 44.62 ± 0.007383
p1 -2.832e-06 ± 3.111e-07
44.7
44.6
44.5
44.4
44.3
44.2
0
10000
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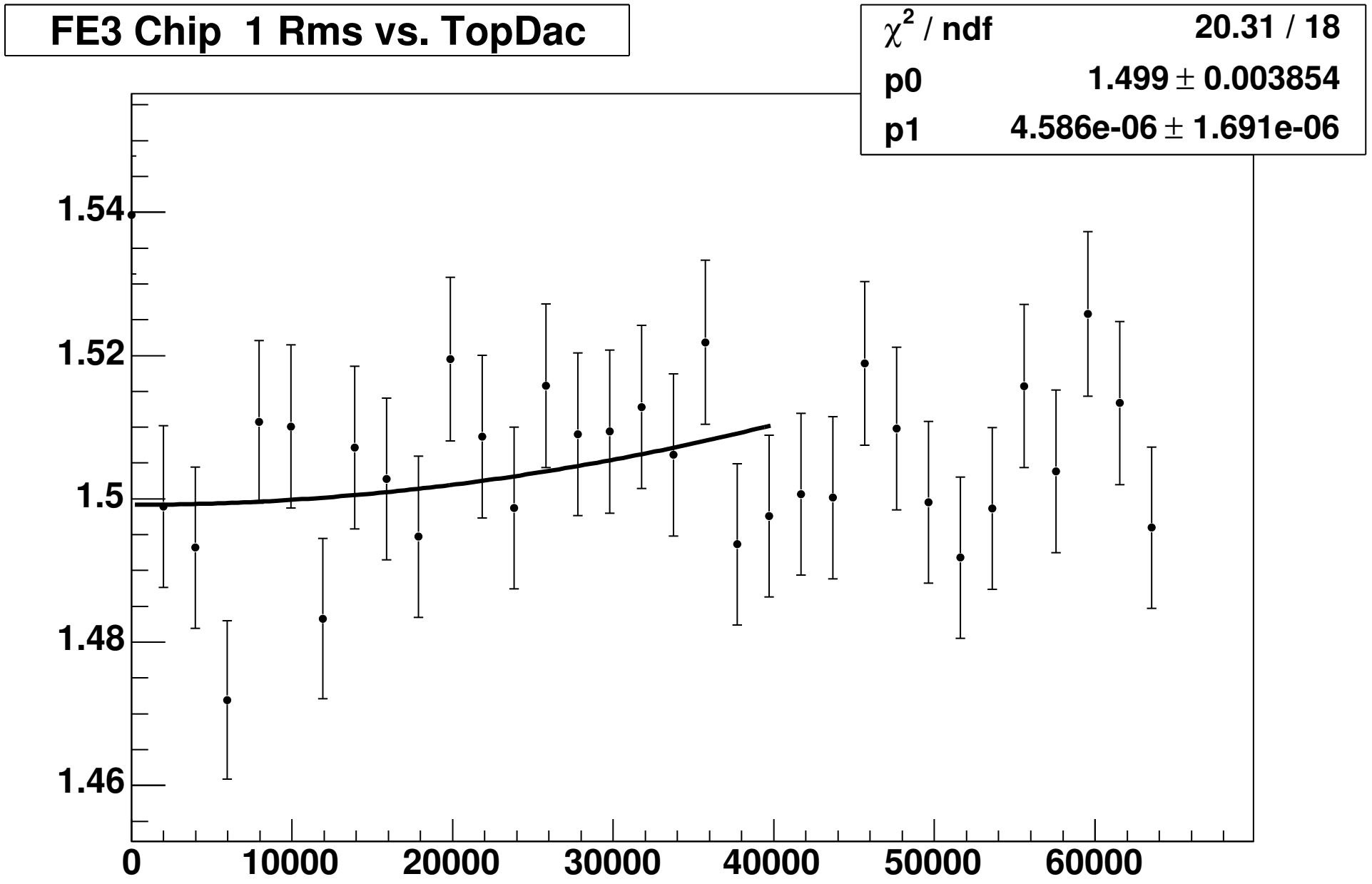
50000
60000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 20.31 / 18
p0 1.499 ± 0.003854
p1 4.586e-06 ± 1.691e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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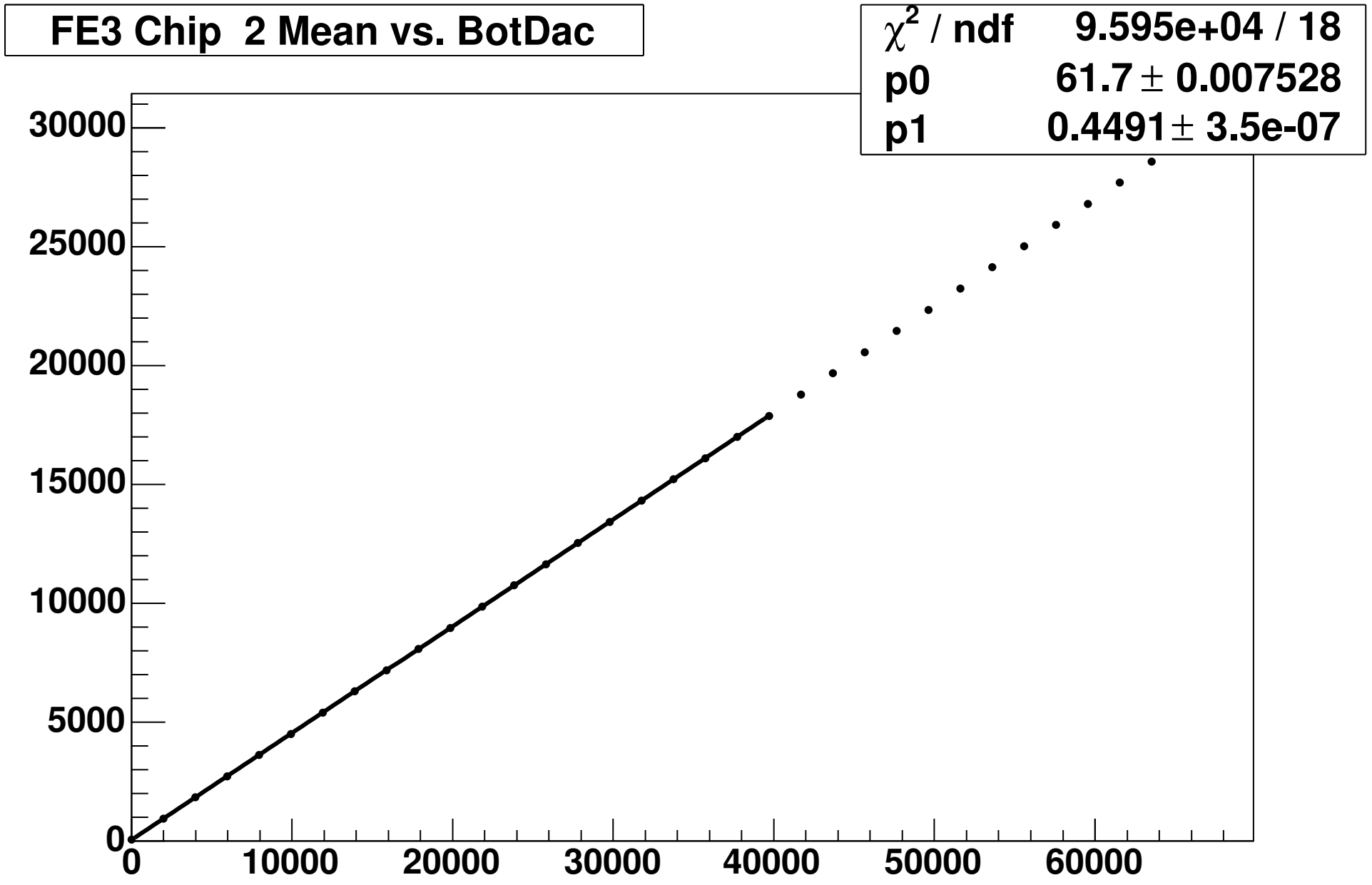
60000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 9.595e+04 / 18
p0 61.7 ± 0.007528
p1 0.4491 ± 3.5e-07
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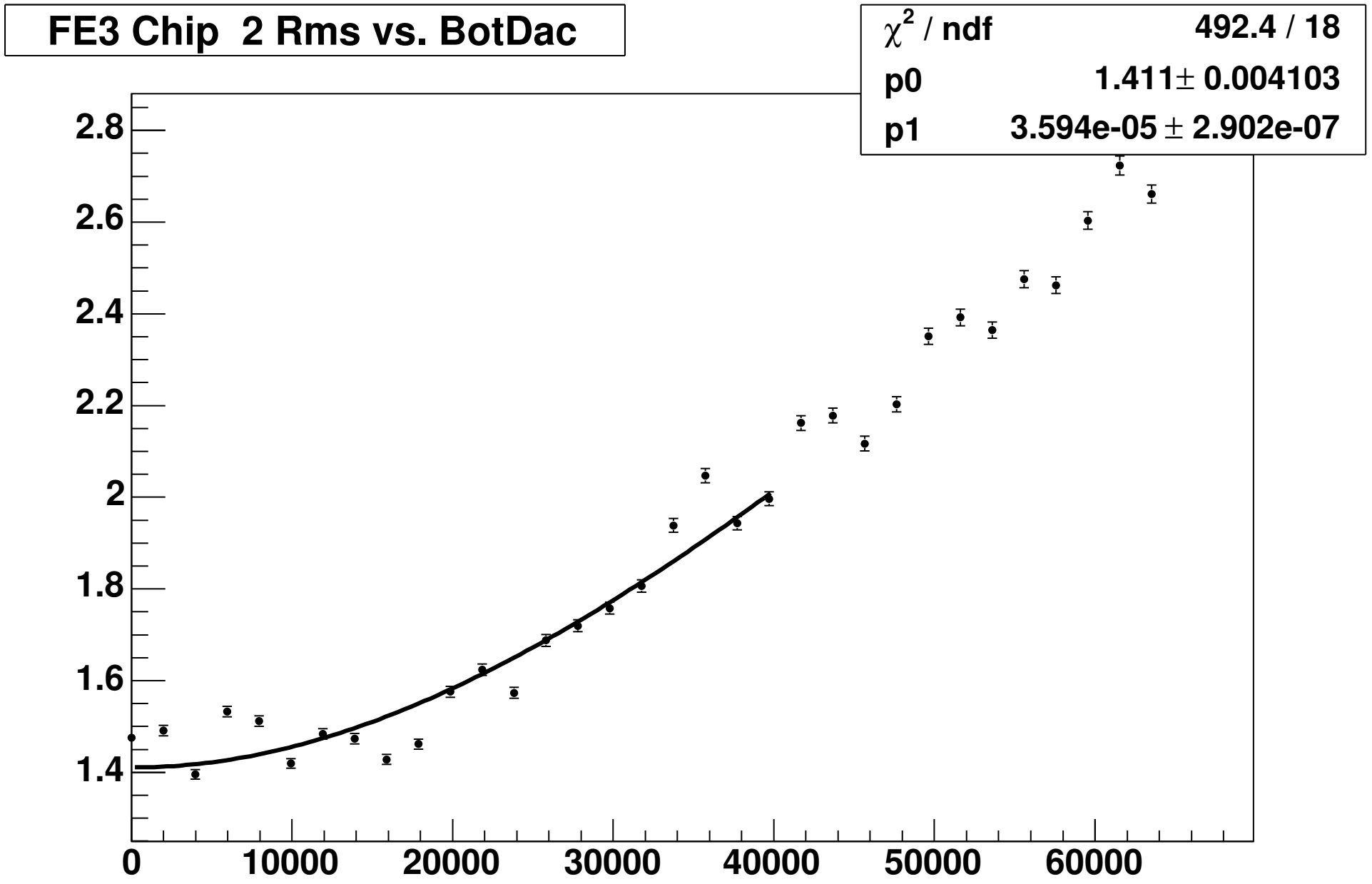
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 492.4 / 18
p0 1.411 ± 0.004103
p1 3.594e-05 ± 2.902e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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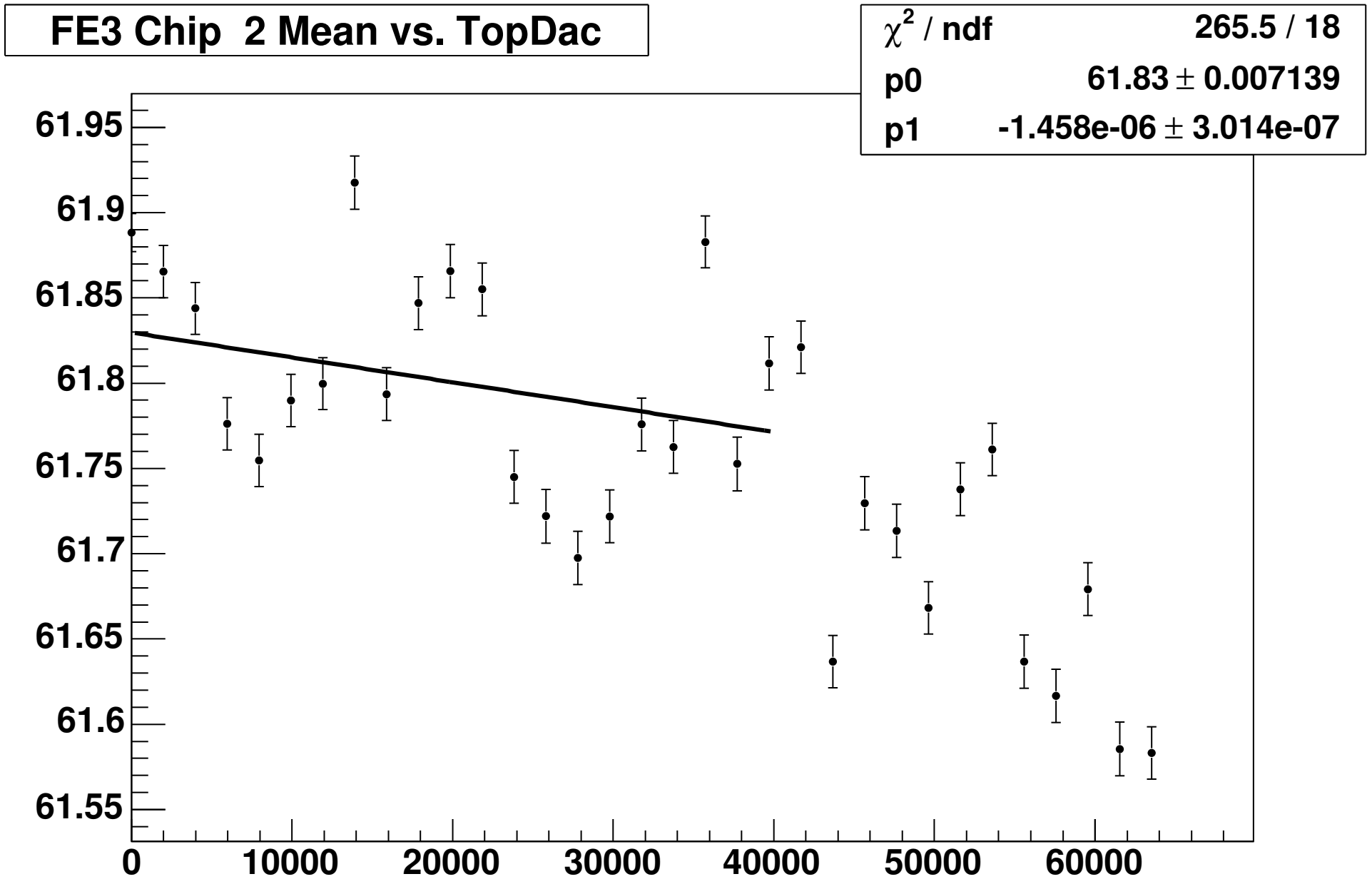
FE3 Chip 2 Mean vs. TopDac
χ² / ndf 265.5 / 18
p0 61.83 ± 0.007139
p1 -1.458e-06 ± 3.014e-07
61.95
61.9
61.85
61.8
61.75
61.7
61.65
61.6
61.55
0
10000
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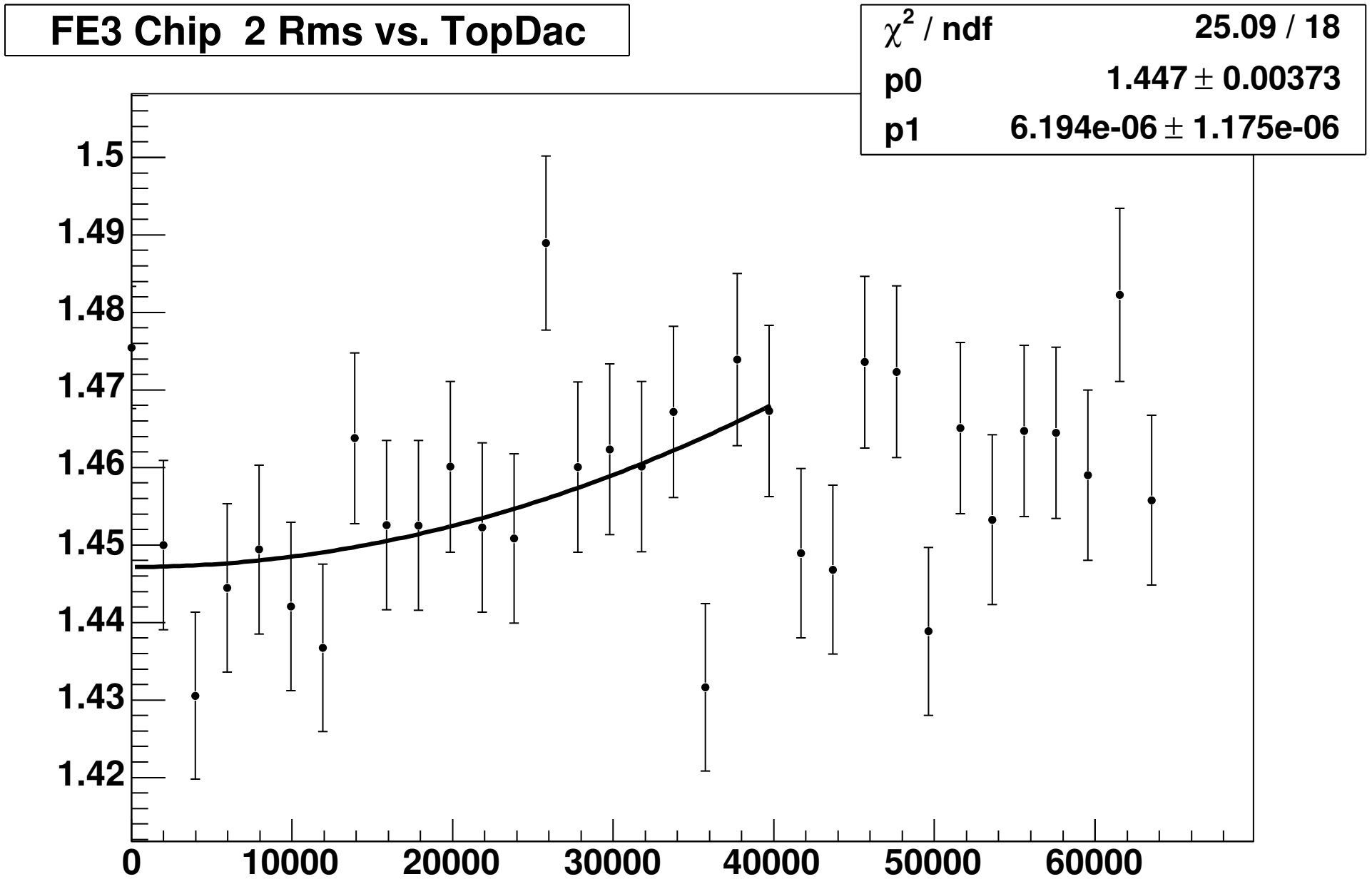
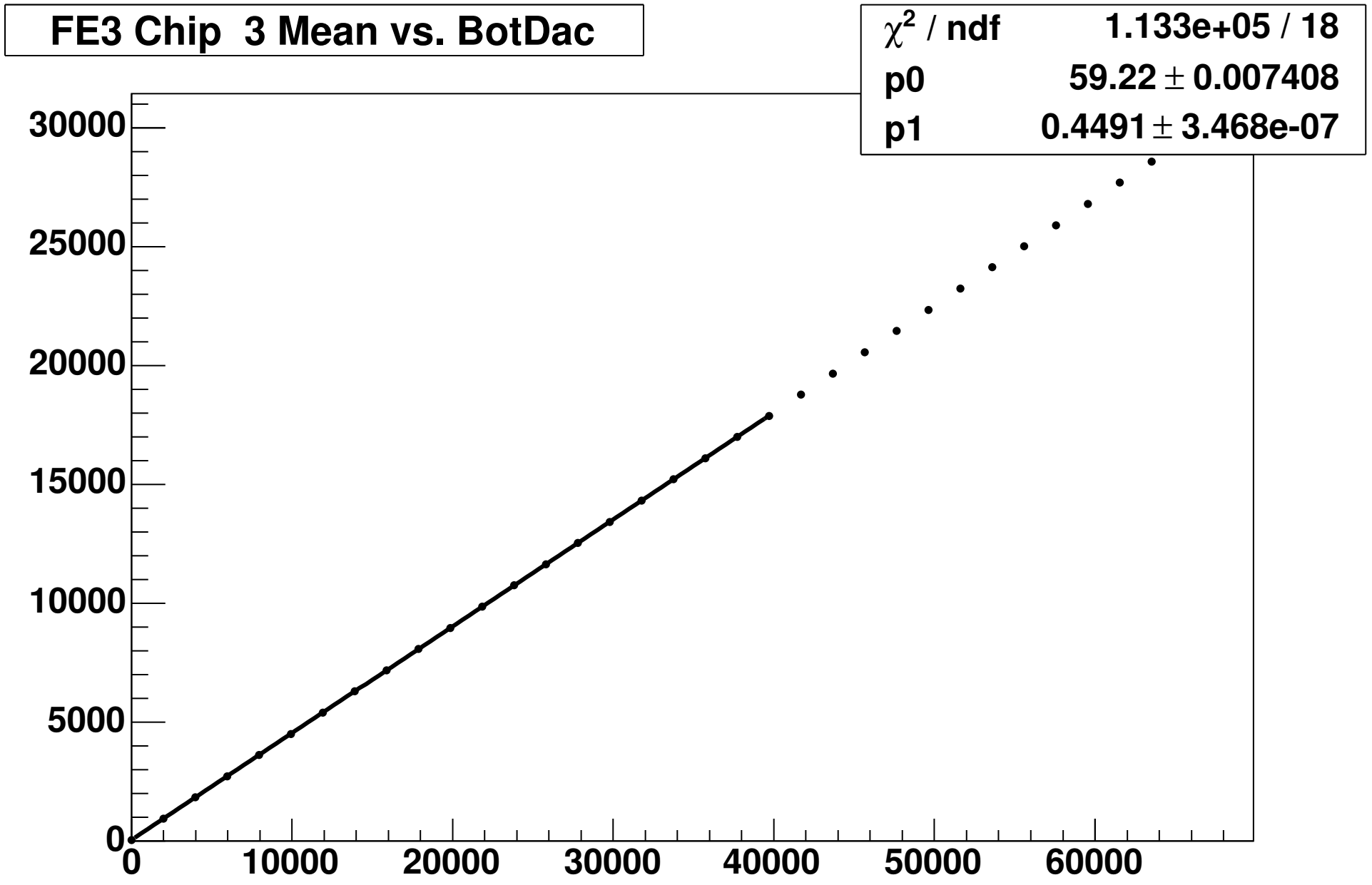
40000
50000
60000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 25.09 / 18
p0 1.447 ± 0.00373
p1 6.194e-06 ± 1.175e-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 3 Mean vs. BotDac
χ² / ndf 1.133e+05 / 18
p0 59.22 ± 0.007408
p1 0.4491 ± 3.468e-07
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25000
20000
15000
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5000
0
0
10000
20000
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40000
50000
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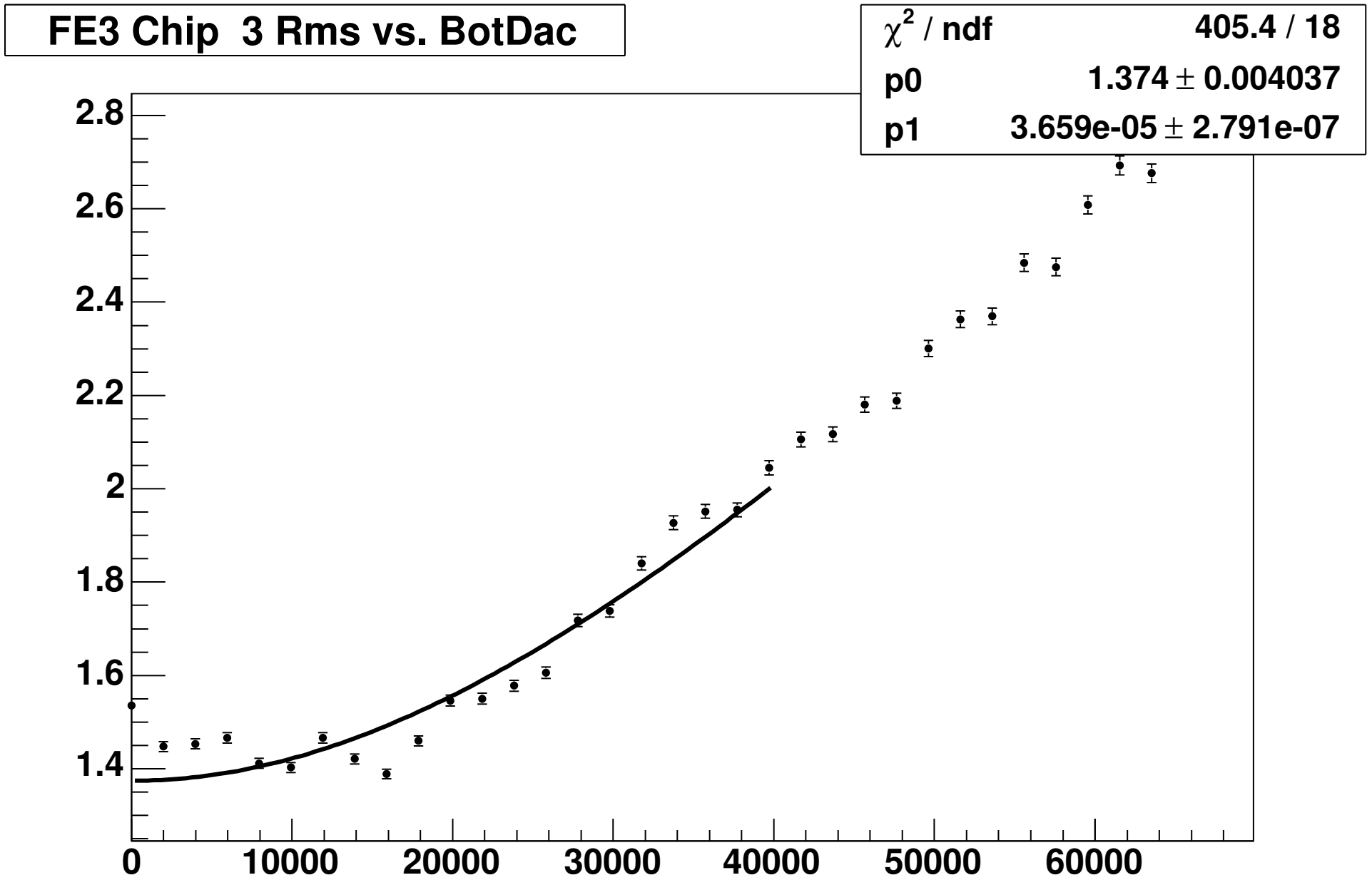
FE3 Chip 3 Rms vs. BotDac
χ² / ndf 405.4 / 18
p0 1.374 ± 0.004037
p1 3.659e-05 ± 2.791e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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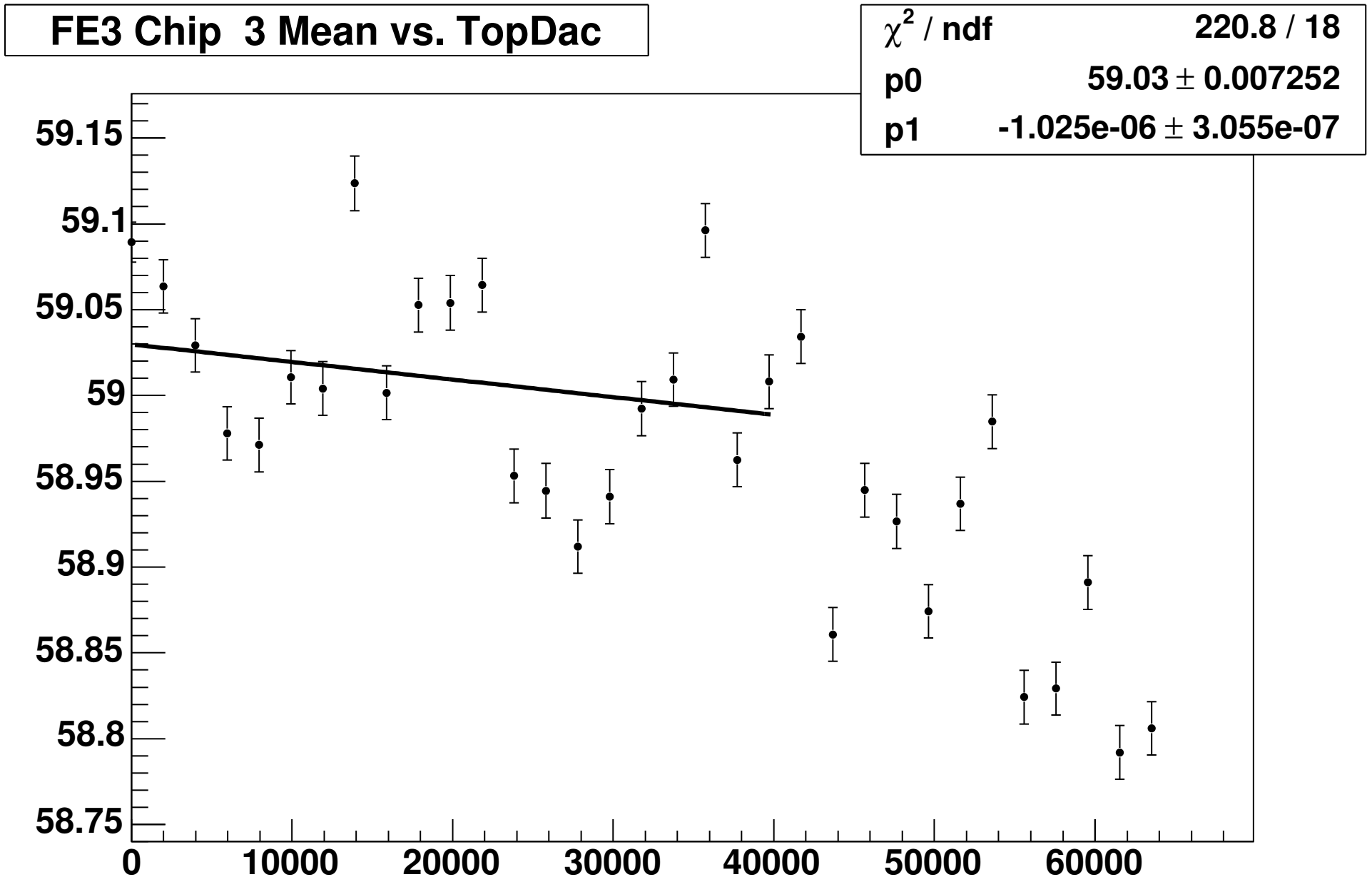
FE3 Chip 3 Mean vs. TopDac
χ² / ndf 220.8 / 18
p0 59.03 ± 0.007252
p1 -1.025e-06 ± 3.055e-07
59.15
59.1
59.05
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58.95
58.9
58.85
58.8
58.75
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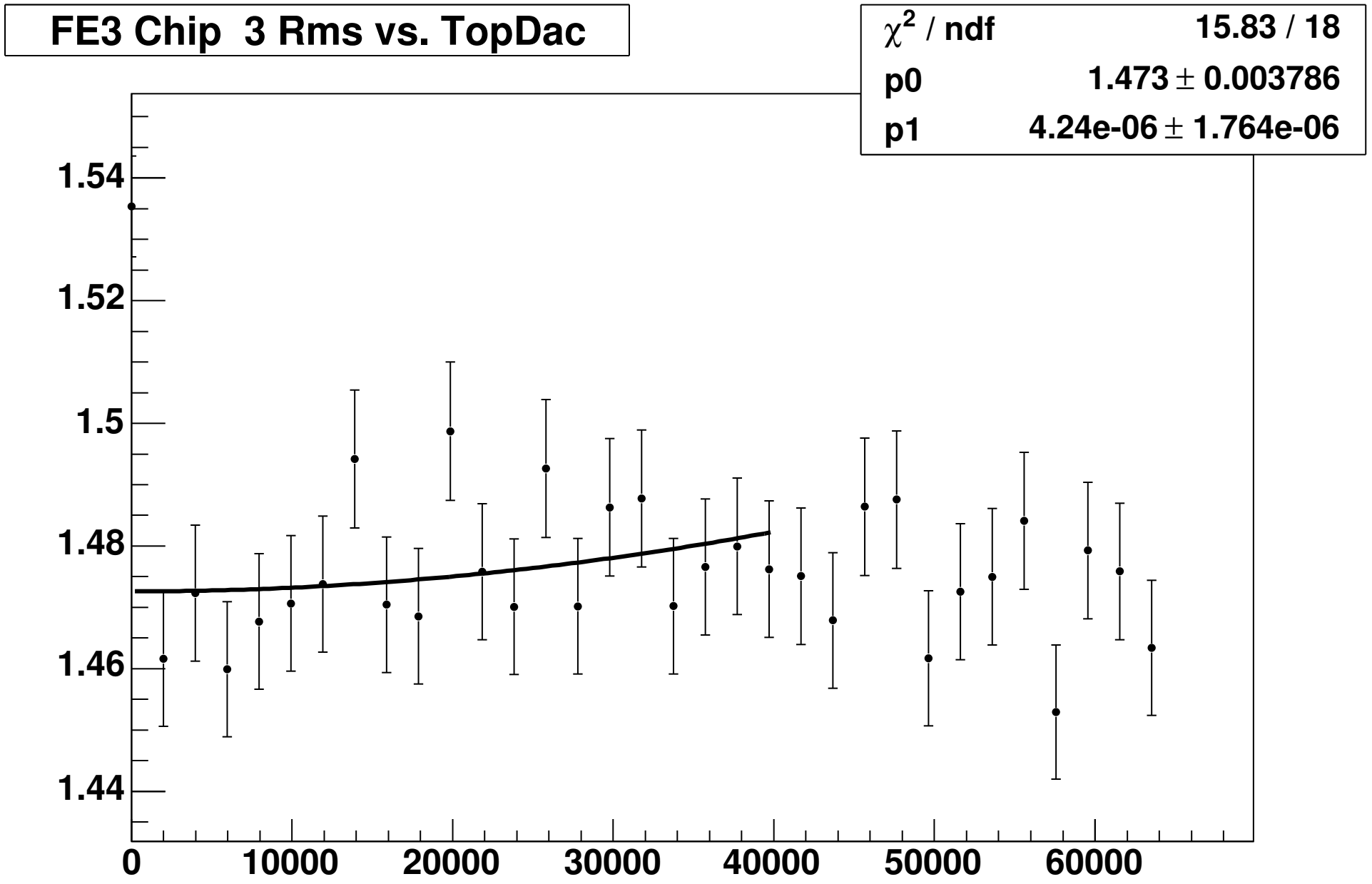
FE3 Chip 3 Rms vs. TopDac
χ² / ndf 15.83 / 18
p0 1.473 ± 0.003786
p1 4.24e-06 ± 1.764e-06
1.54
1.52
1.5
1.48
1.46
1.44
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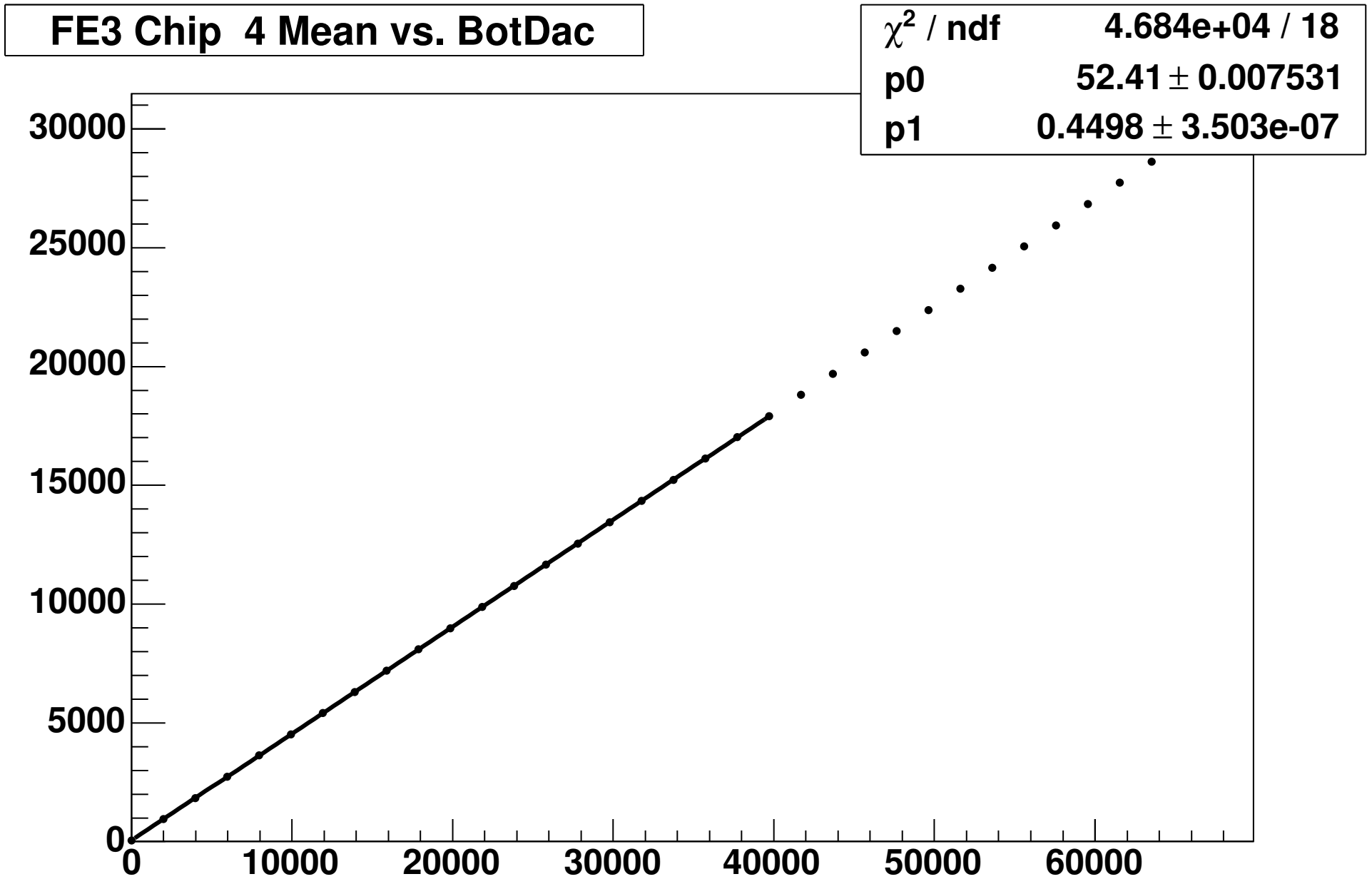
FE3 Chip 4 Mean vs. BotDac
χ² / ndf 4.684e+04 / 18
p0 52.41 ± 0.007531
p1 0.4498 ± 3.503e-07
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0
10000
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50000
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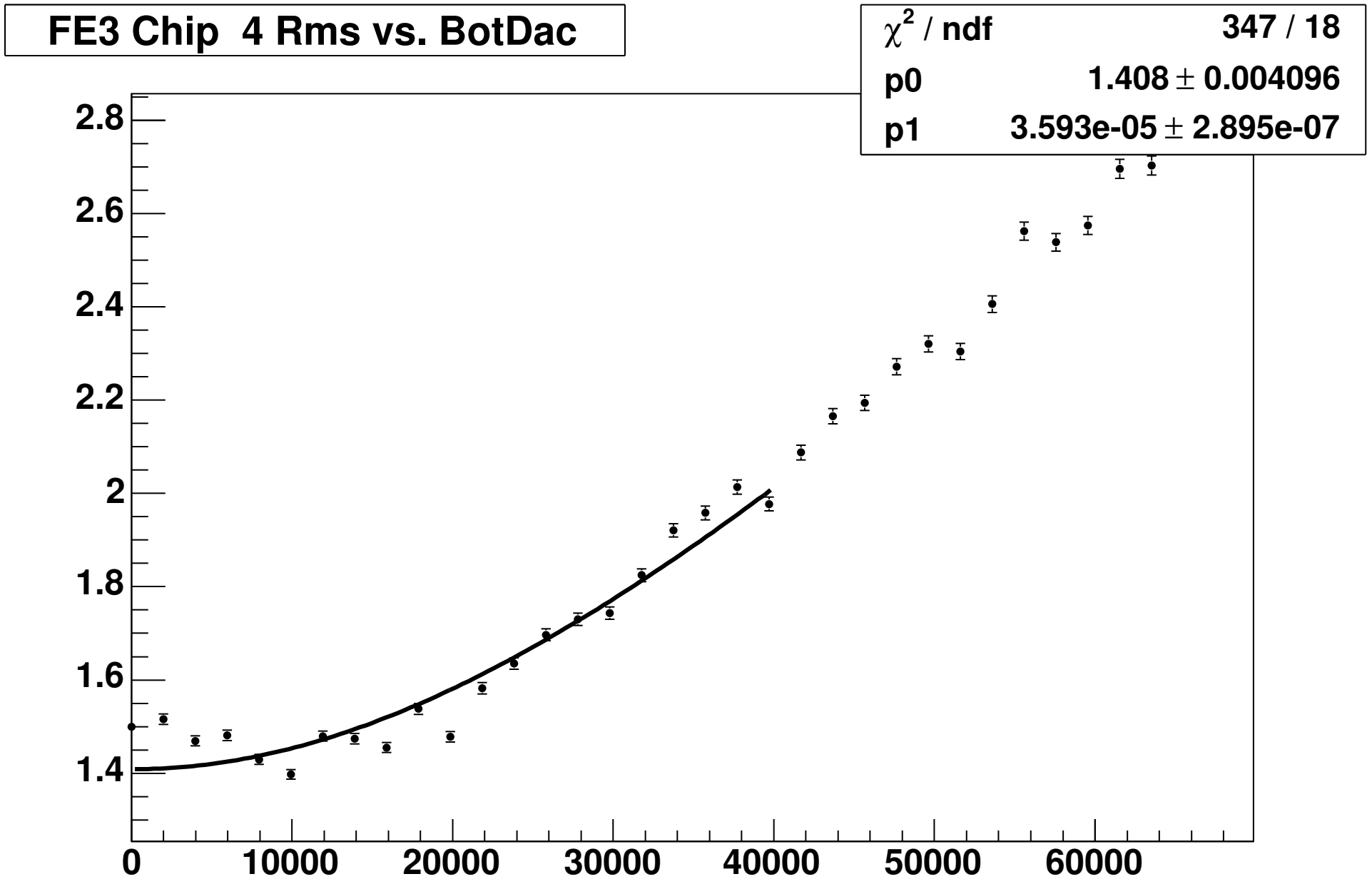
FE3 Chip 4 Rms vs. BotDac
χ² / ndf 347 / 18
p0 1.408 ± 0.004096
p1 3.593e-05 ± 2.895e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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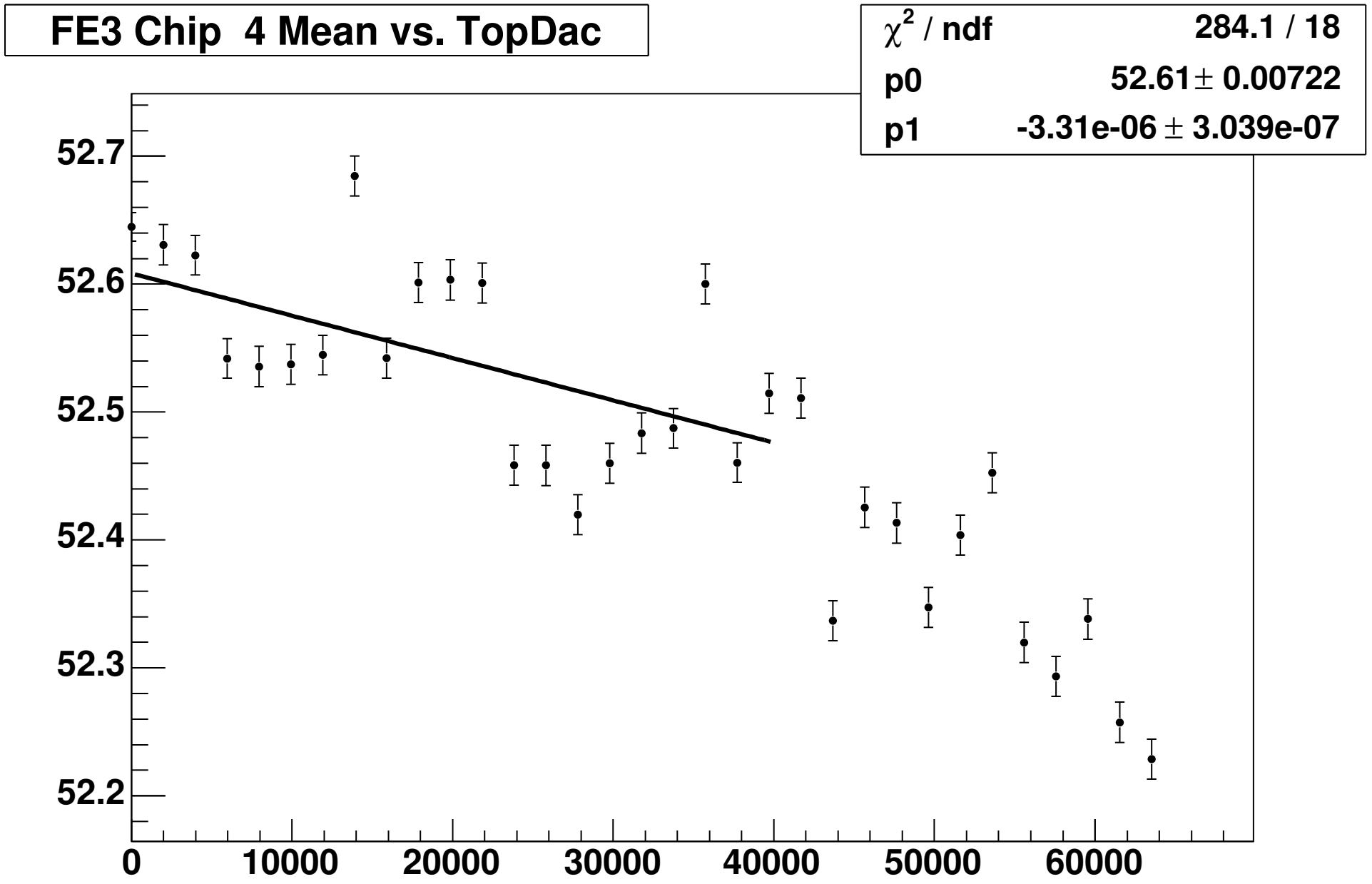
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 284.1 / 18
p0 52.61 ± 0.00722
p1 -3.31e-06 ± 3.039e-07
52.7
52.6
52.5
52.4
52.3
52.2
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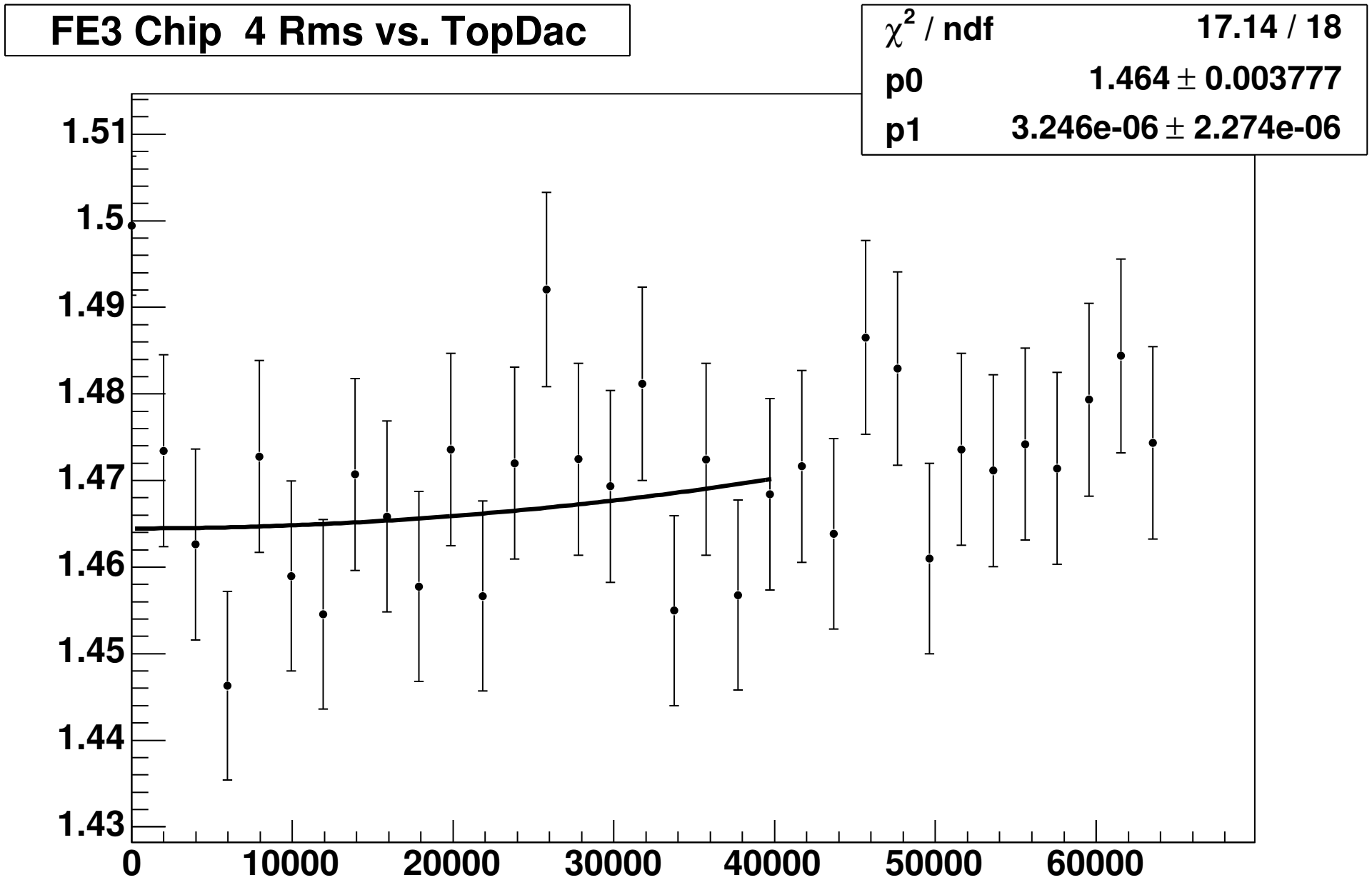
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 17.14 / 18
p0 1.464 ± 0.003777
p1 3.246e-06 ± 2.274e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
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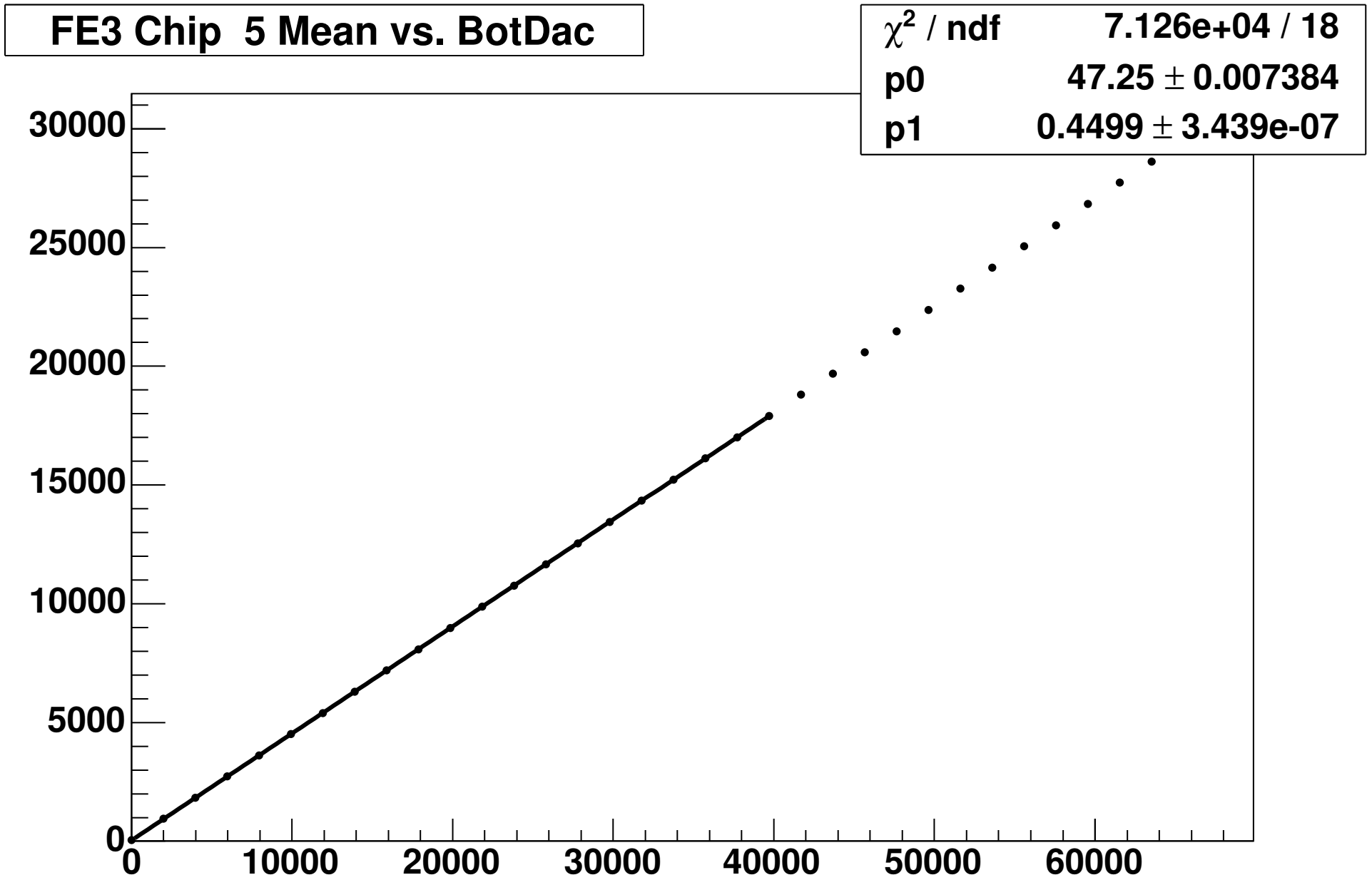
60000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 7.126e+04 / 18
p0 47.25 ± 0.007384
p1 0.4499 ± 3.439e-07
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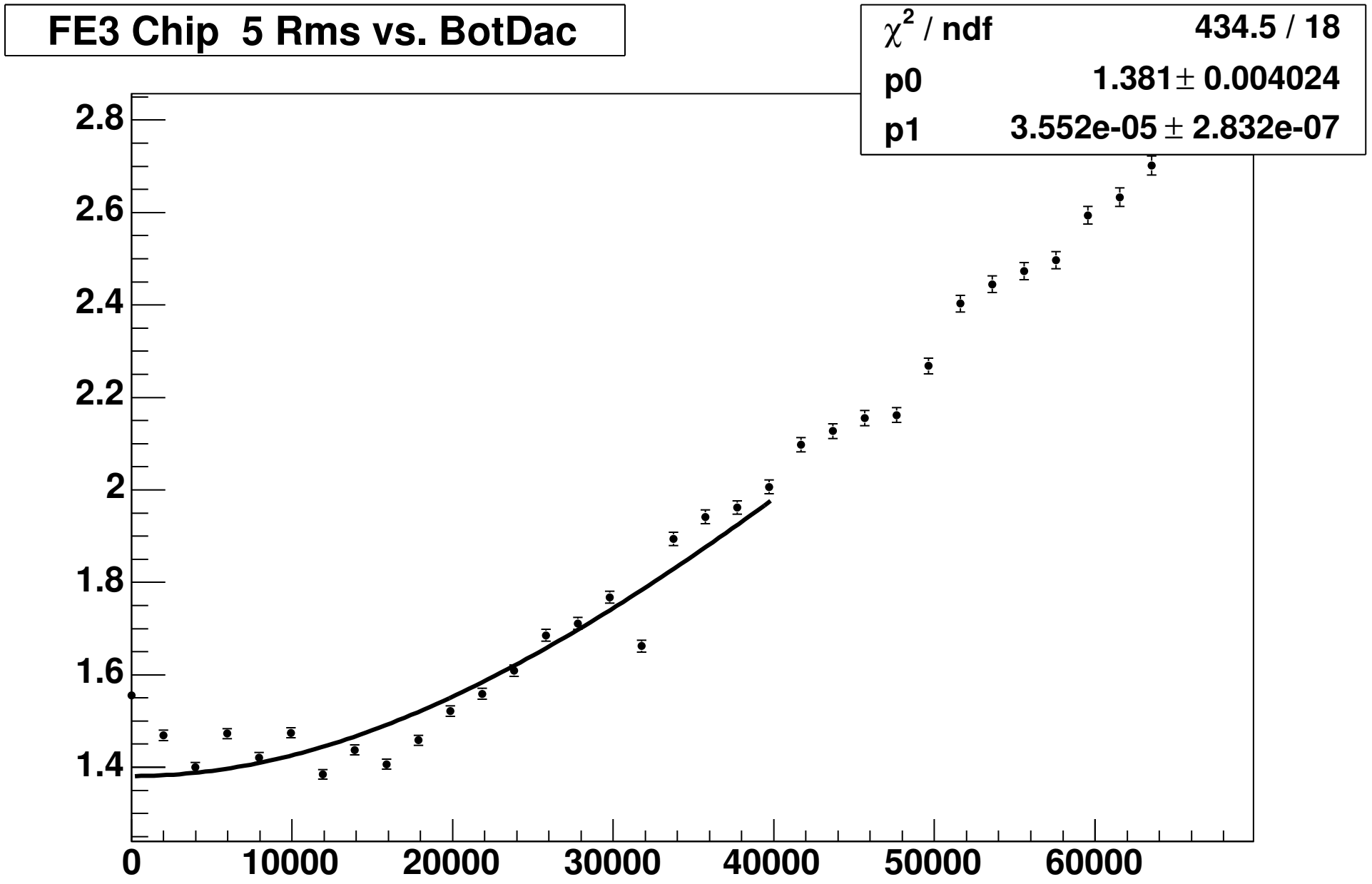
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 434.5 / 18
p0 1.381 ± 0.004024
p1 3.552e-05 ± 2.832e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
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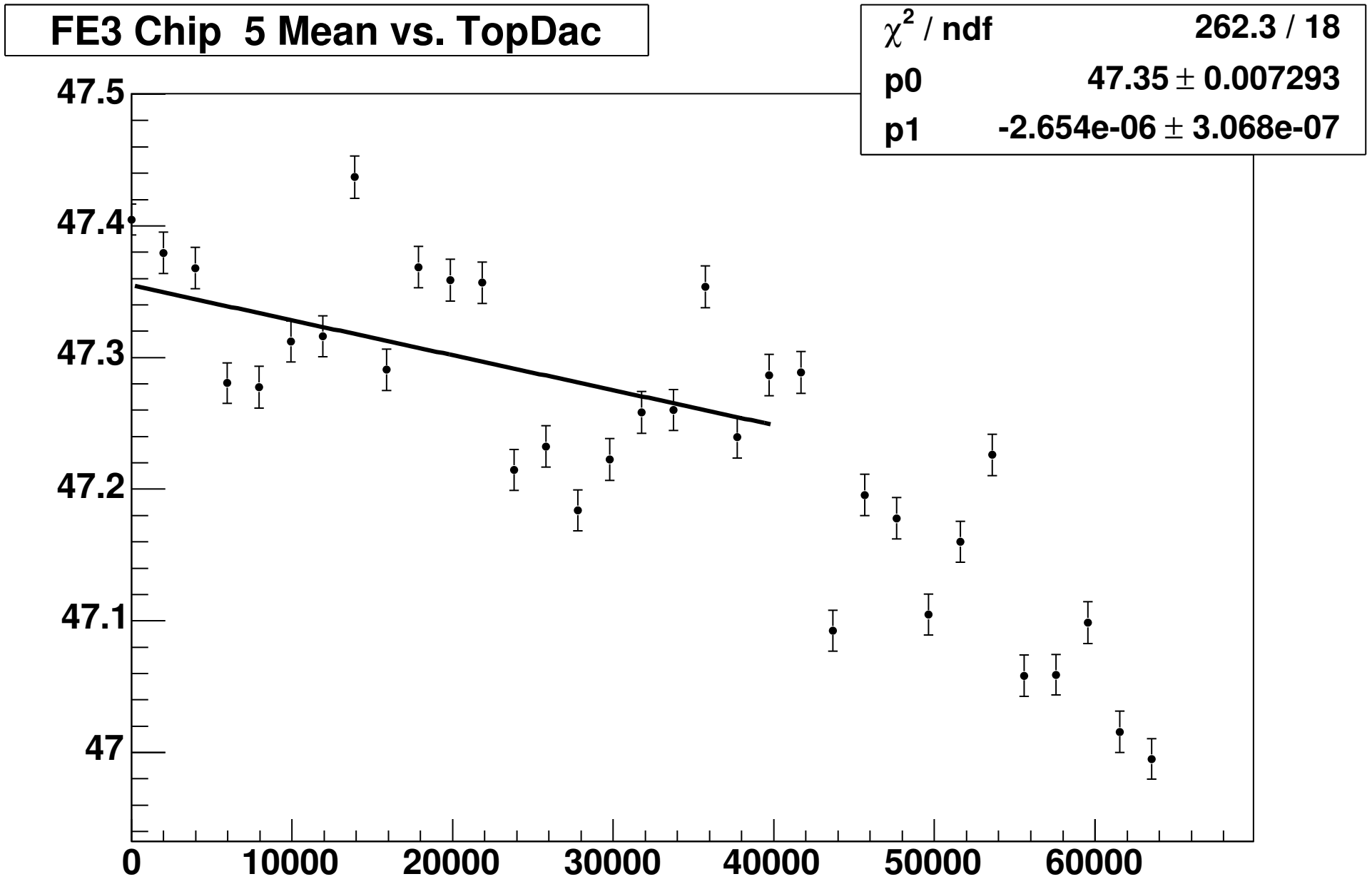
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 262.3 / 18
p0 47.35 ± 0.007293
p1 -2.654e-06 ± 3.068e-07
47.5
47.4
47.3
47.2
47.1
47
0
10000
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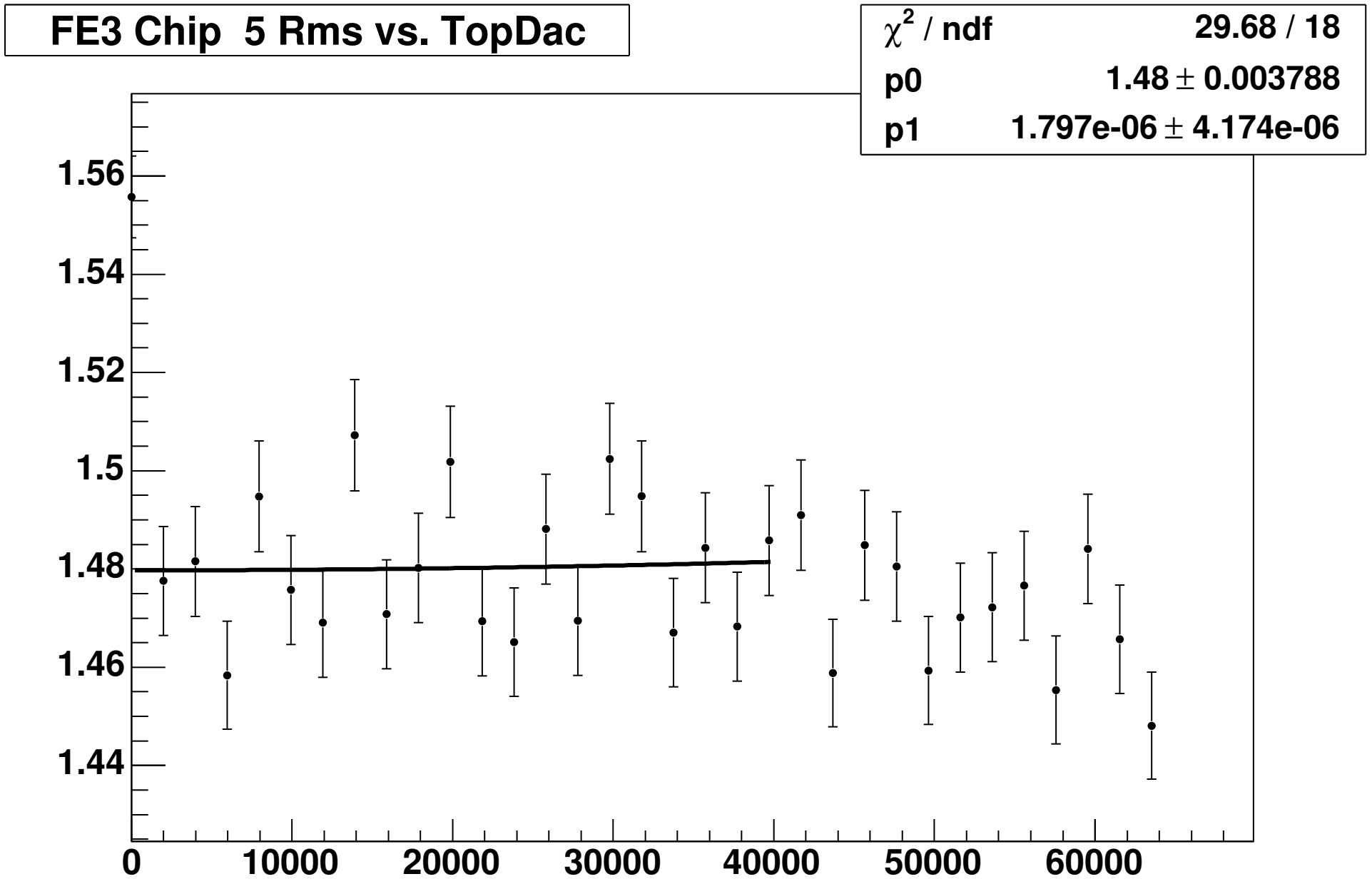
30000
40000
50000
60000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 29.68 / 18
p0 1.48 ± 0.003788
p1 1.797e-06 ± 4.174e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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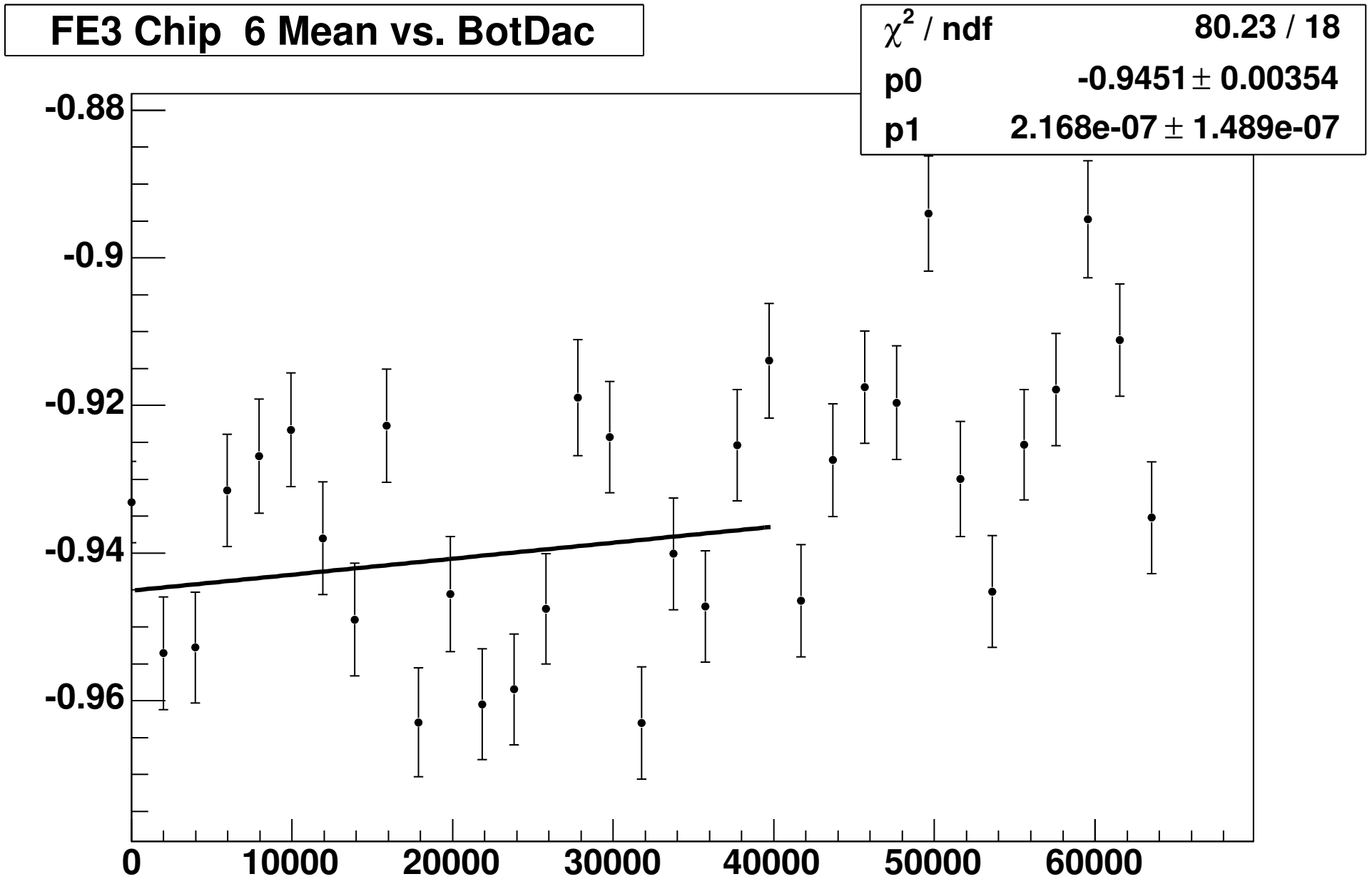
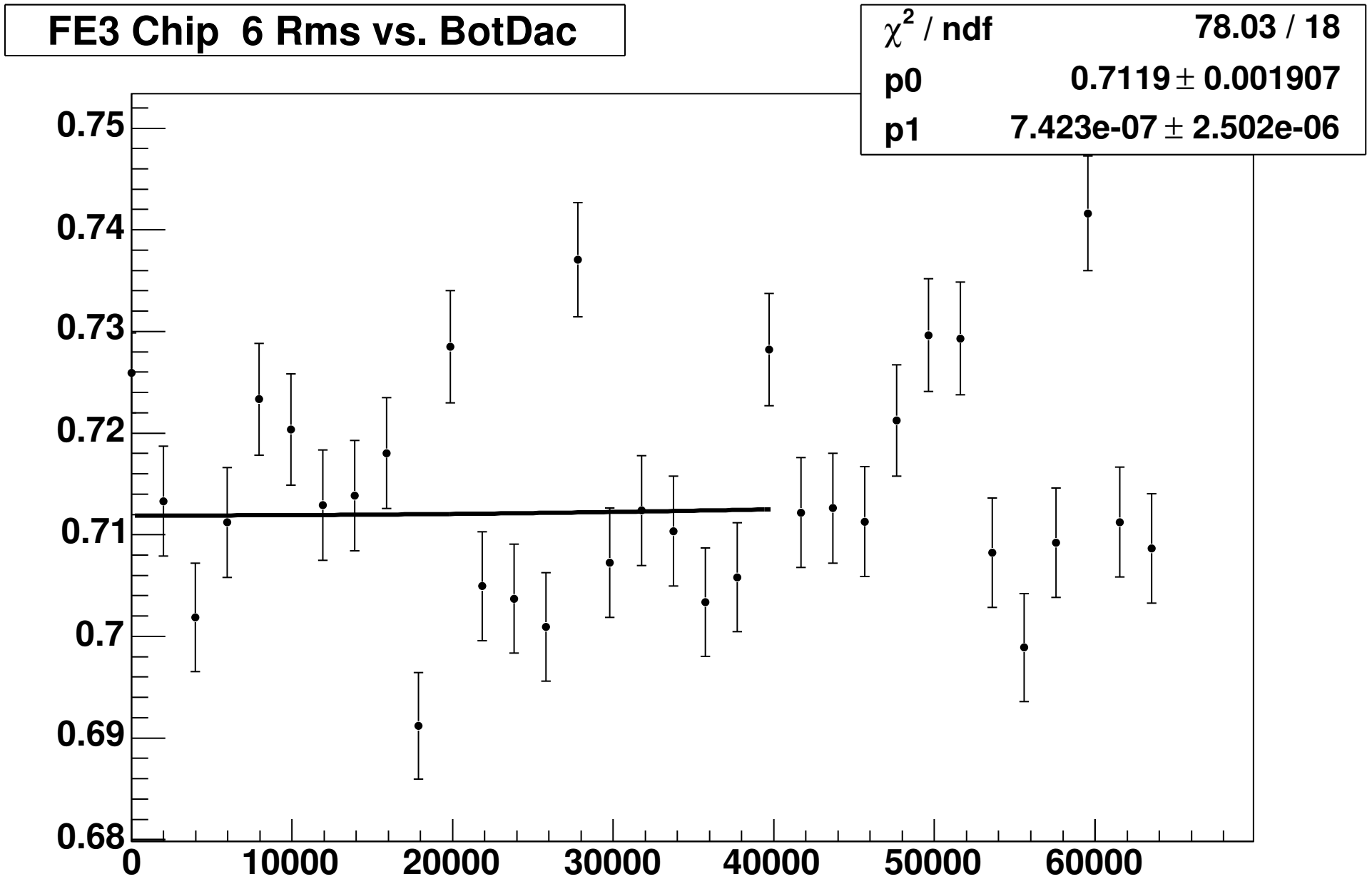
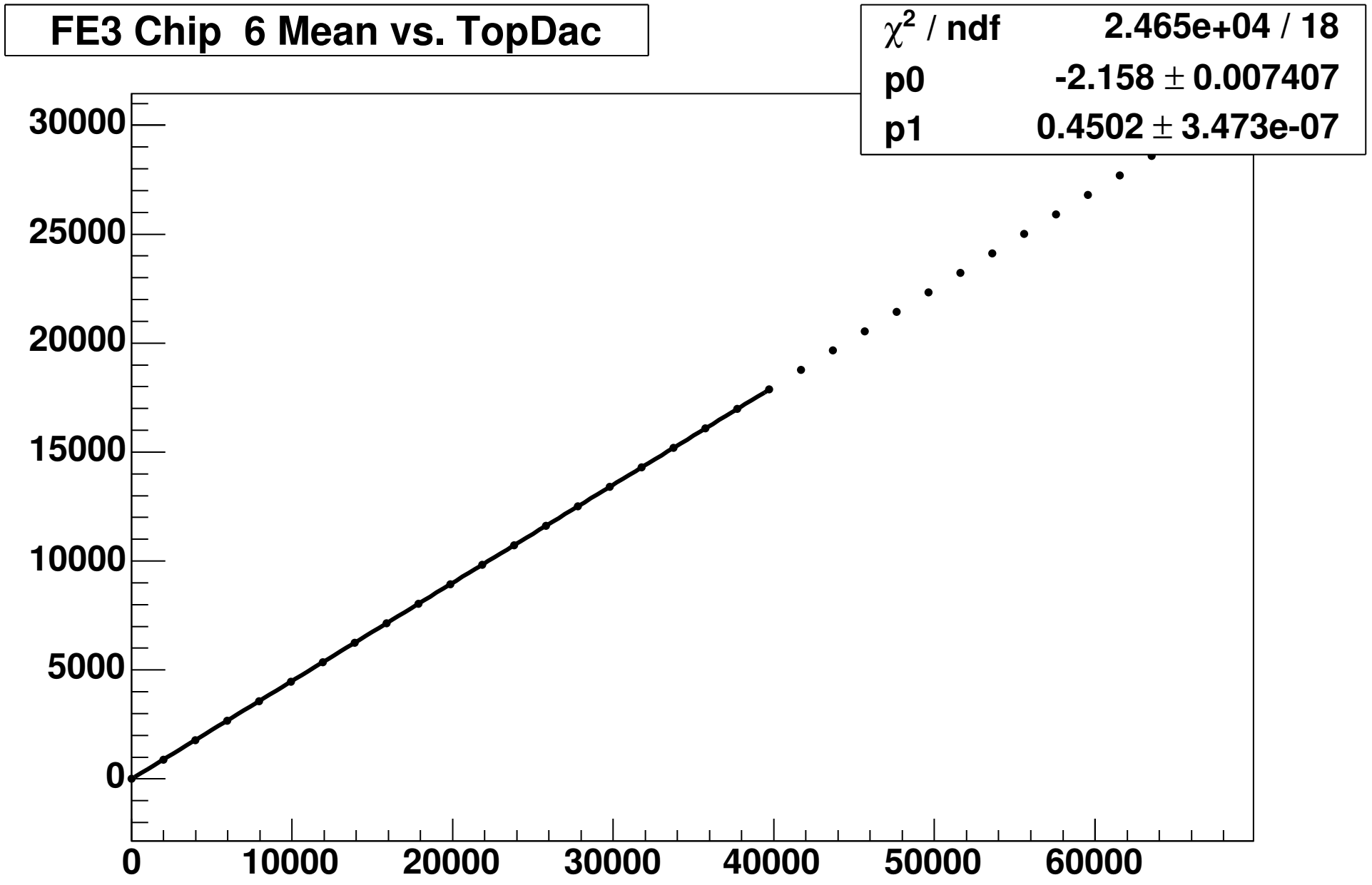
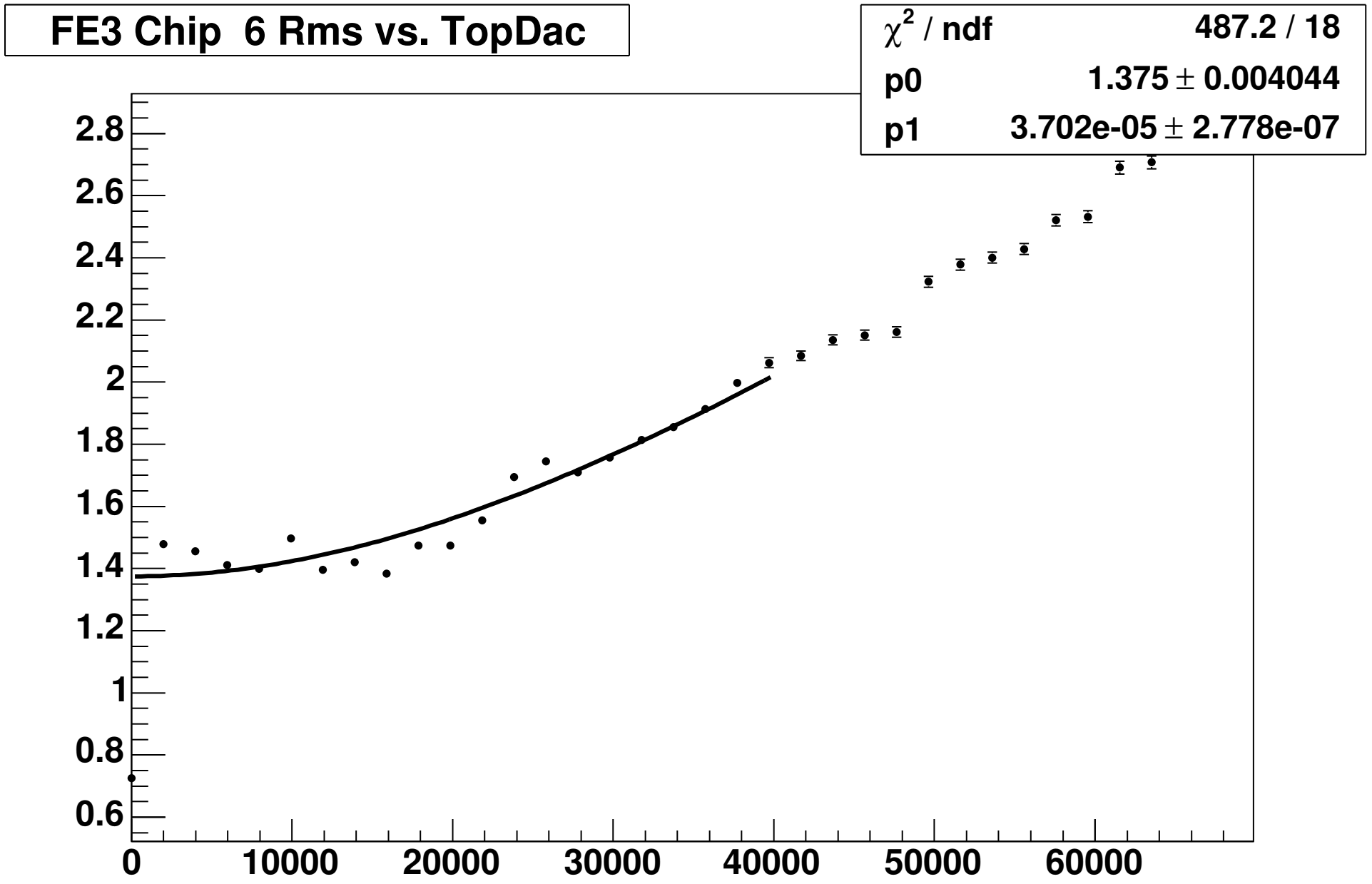
40000
50000
60000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 80.23 / 18
p0 -0.9451 ± 0.00354
p1 2.168e-07 ± 1.489e-07
-0.88
-0.9
-0.92
-0.94
-0.96
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 78.03 / 18
p0 0.7119 ± 0.001907
p1 7.423e-07 ± 2.502e-06
0.75
0.74
0.73
0.72
0.71
0.7
0.69
0.68
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 2.465e+04 / 18
p0 -2.158 ± 0.007407
p1 0.4502 ± 3.473e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 487.2 / 18
p0 1.375 ± 0.004044
p1 3.702e-05 ± 2.778e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
10000
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50000
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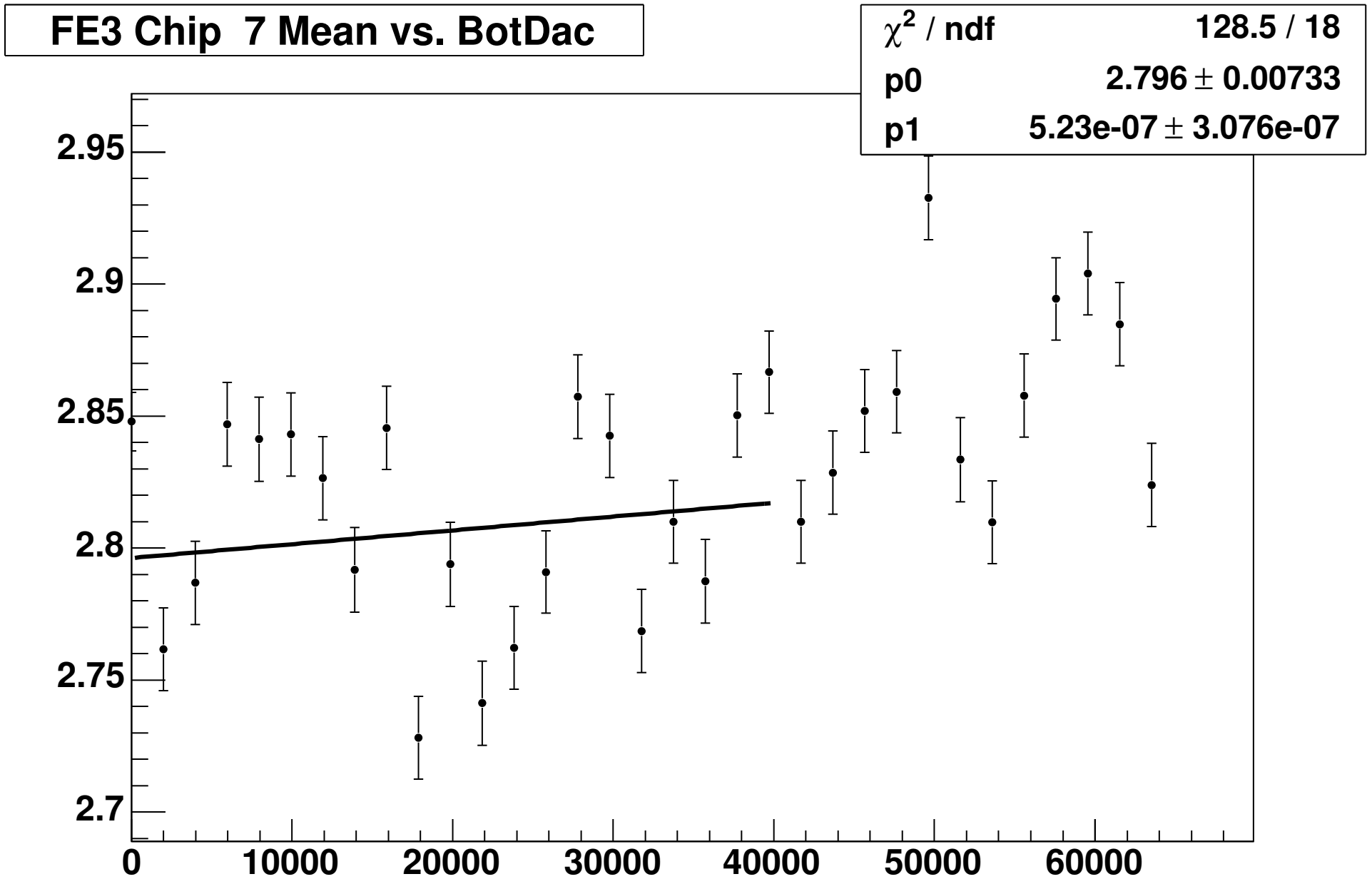
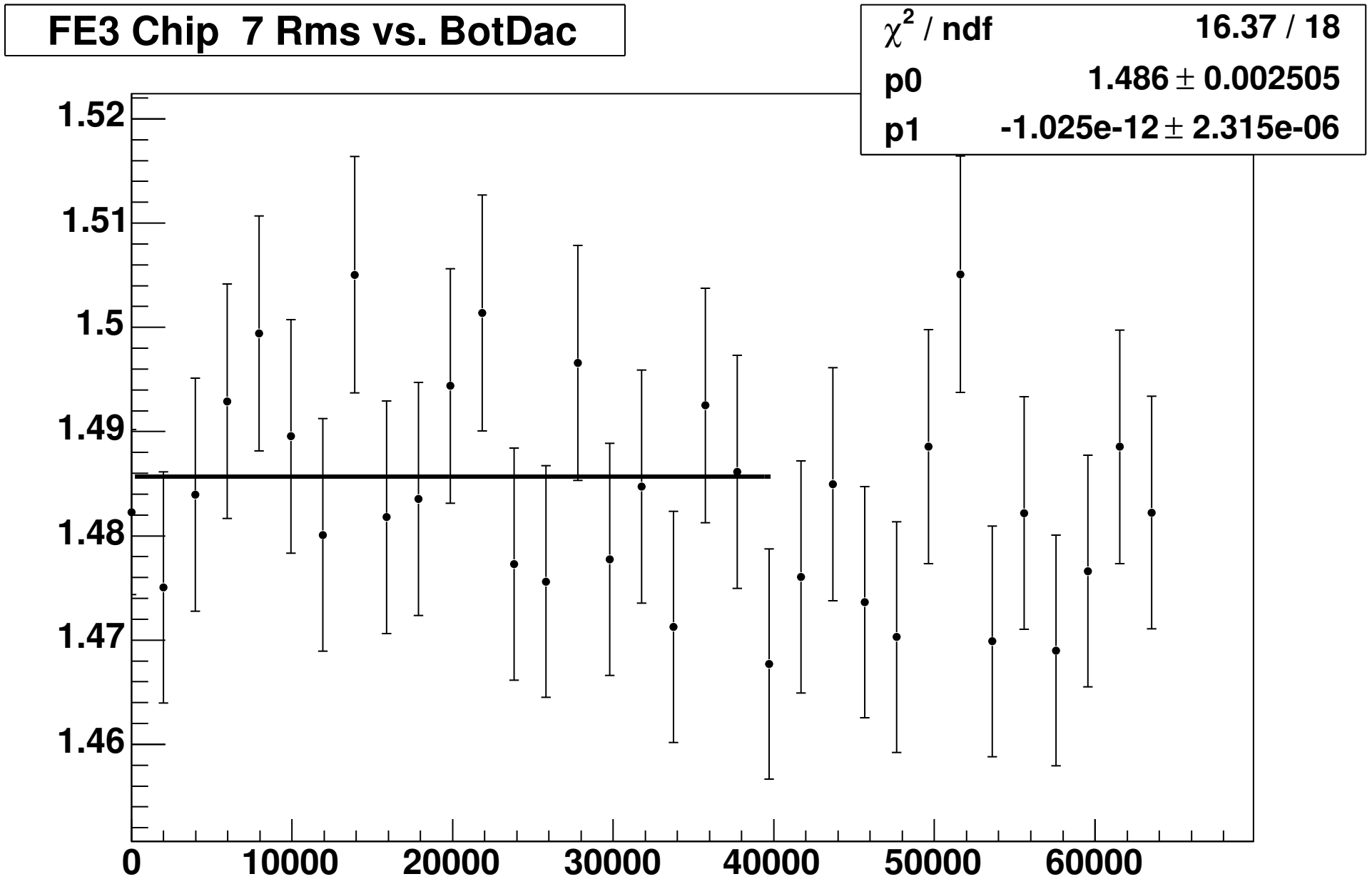
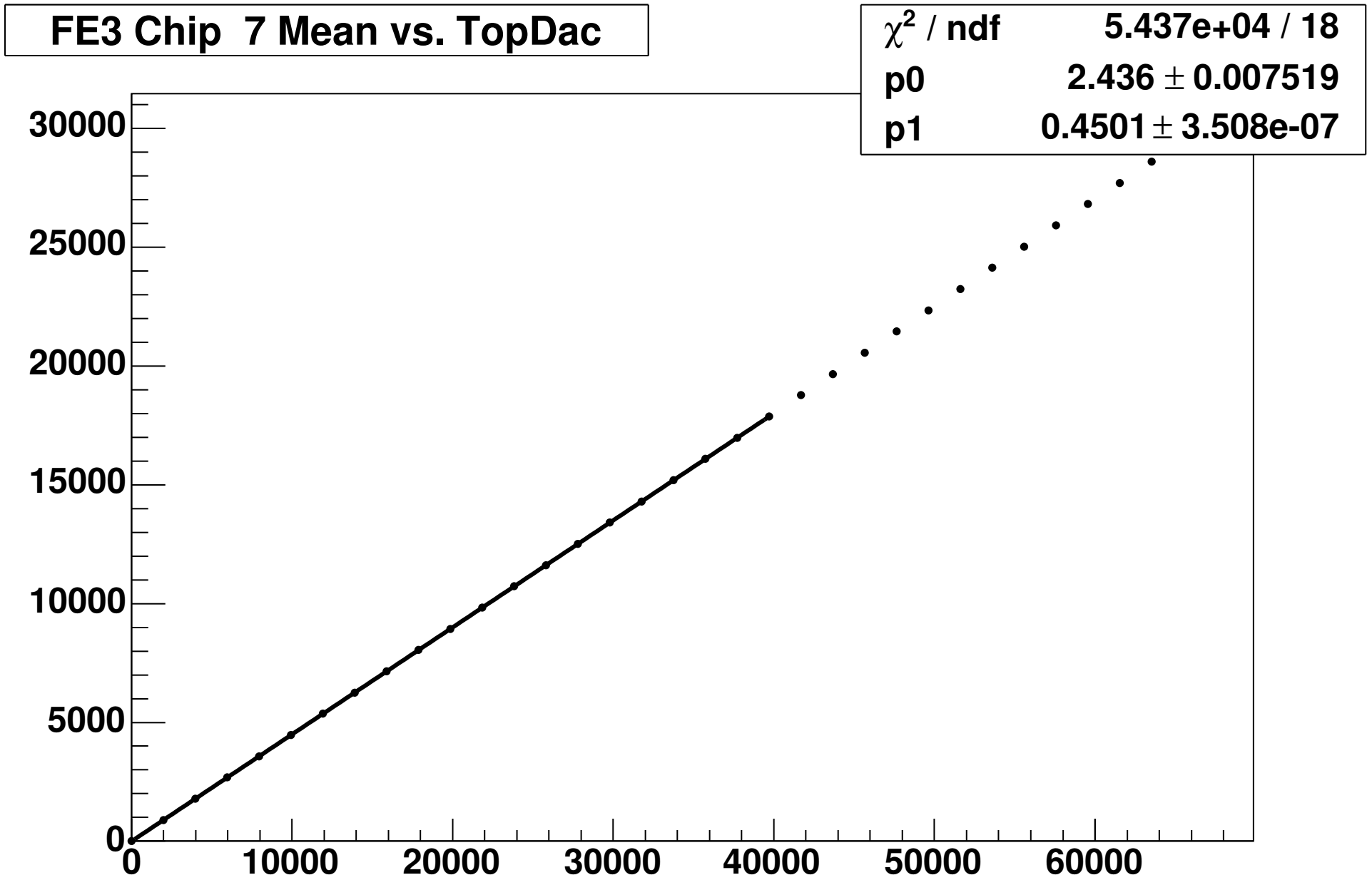

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 128.5 / 18
p0 2.796 ± 0.00733
p1 5.23e-07 ± 3.076e-07
2.95
2.9
2.85
2.8
2.75
2.7
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 16.37 / 18
p0 1.486 ± 0.002505
p1 -1.025e-12 ± 2.315e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 5.437e+04 / 18
p0 2.436 ± 0.007519
p1 0.4501 ± 3.508e-07
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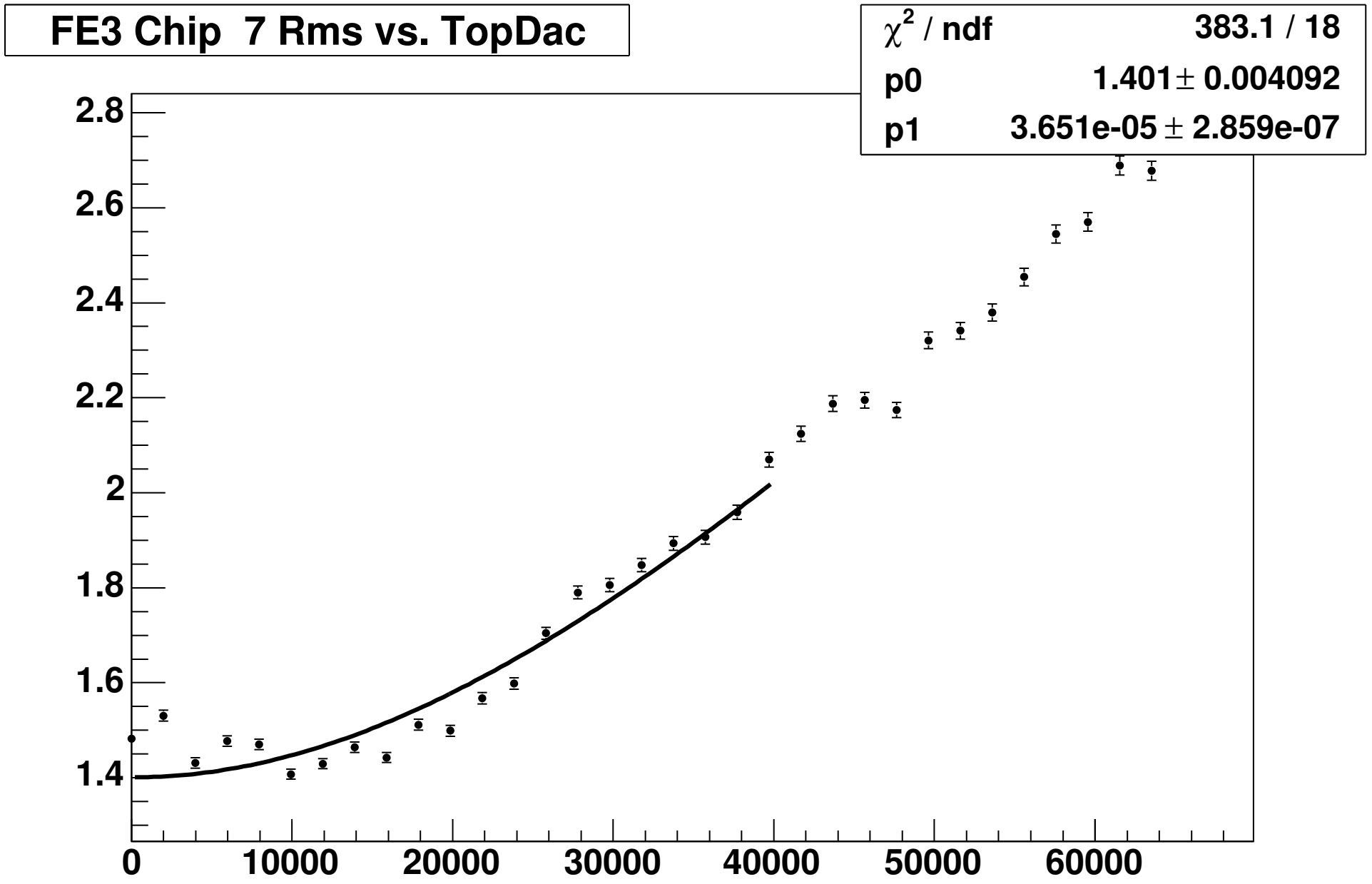
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 383.1 / 18
p0 1.401 ± 0.004092
p1 3.651e-05 ± 2.859e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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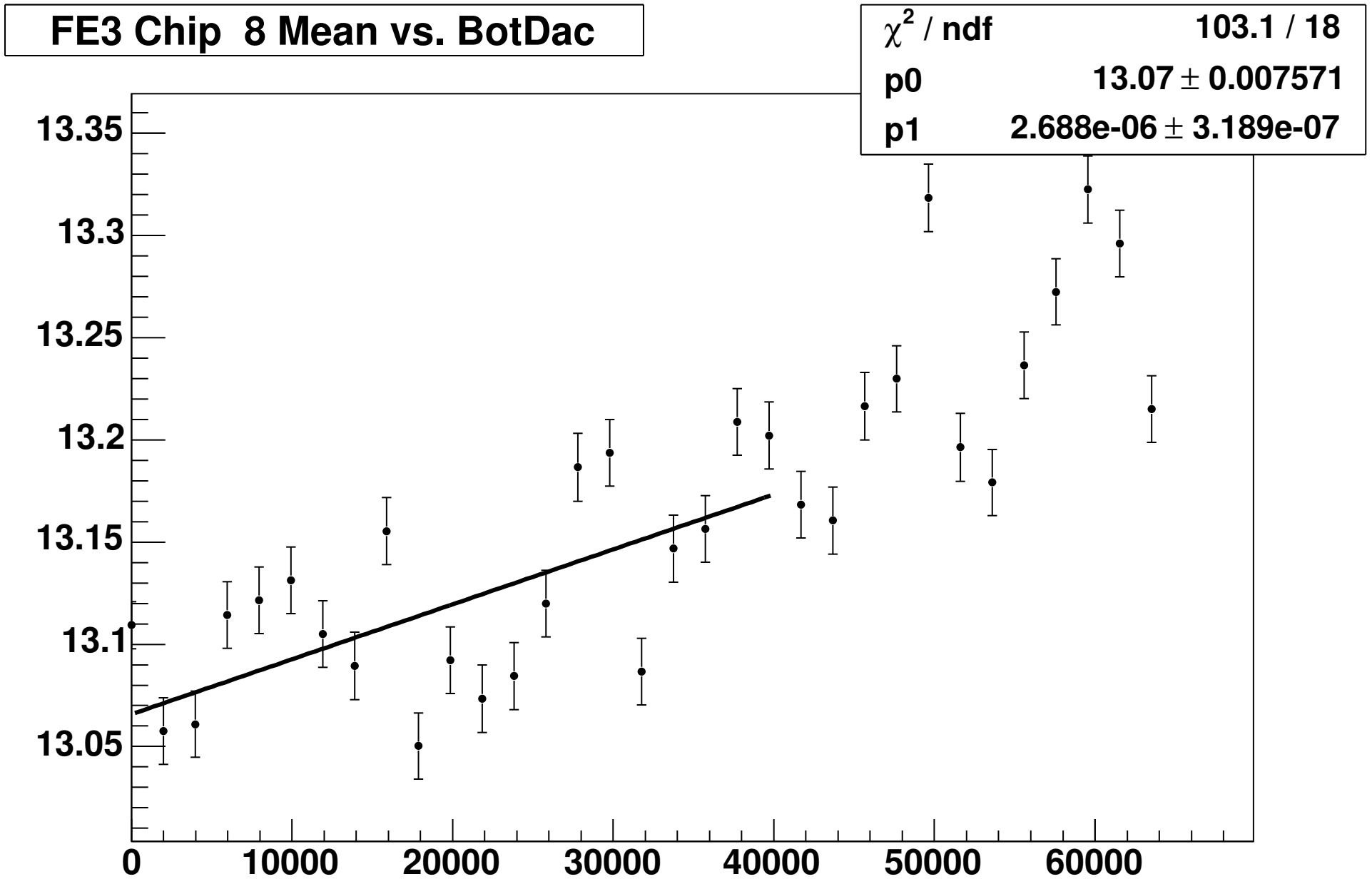
40000
50000
60000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 103.1 / 18
p0 13.07 ± 0.007571
p1 2.688e-06 ± 3.189e-07
13.35
13.3
13.25
13.2
13.15
13.1
13.05
0
10000
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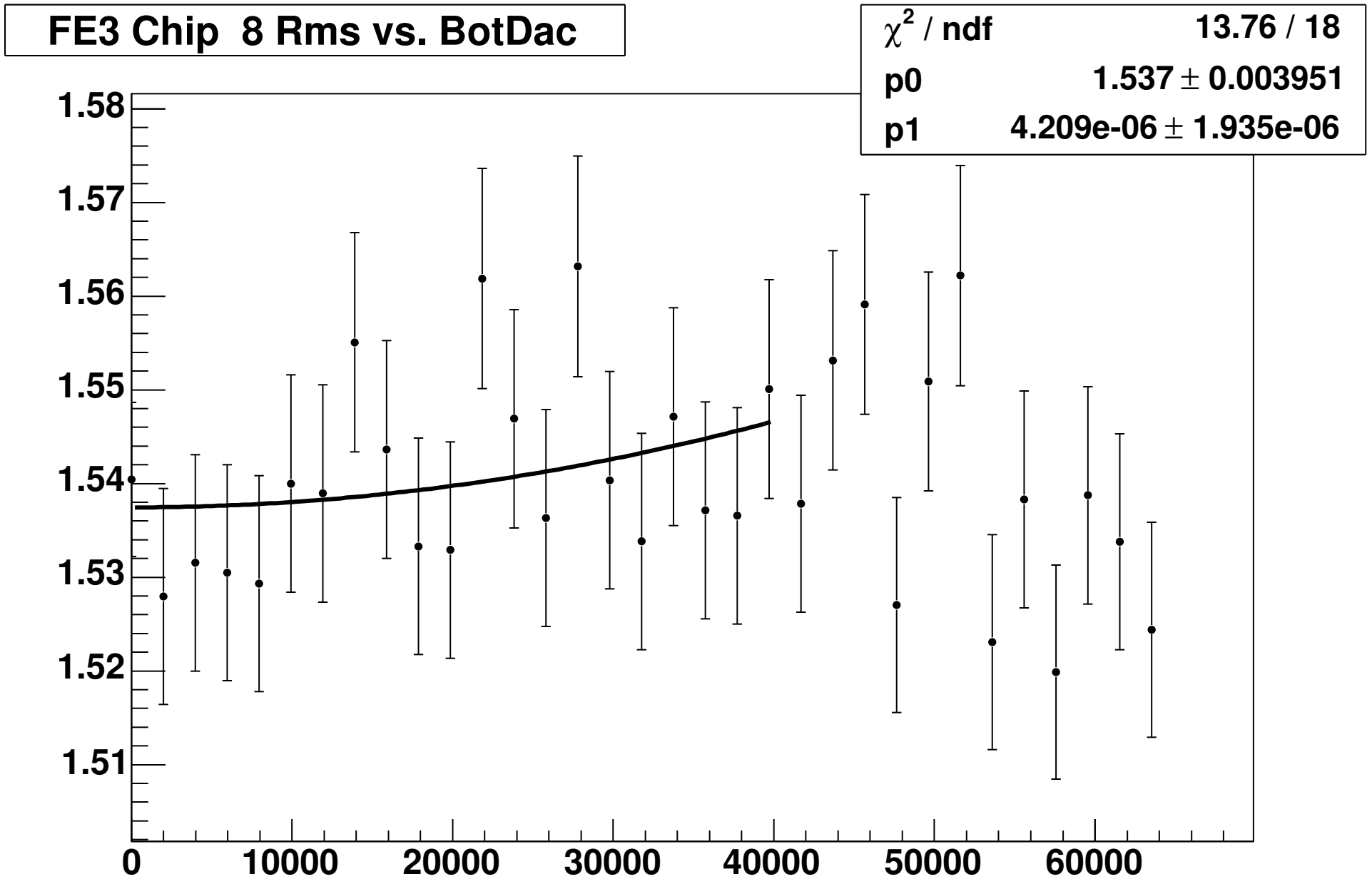
30000
40000
50000
60000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 13.76 / 18
p0 1.537 ± 0.003951
p1 4.209e-06 ± 1.935e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
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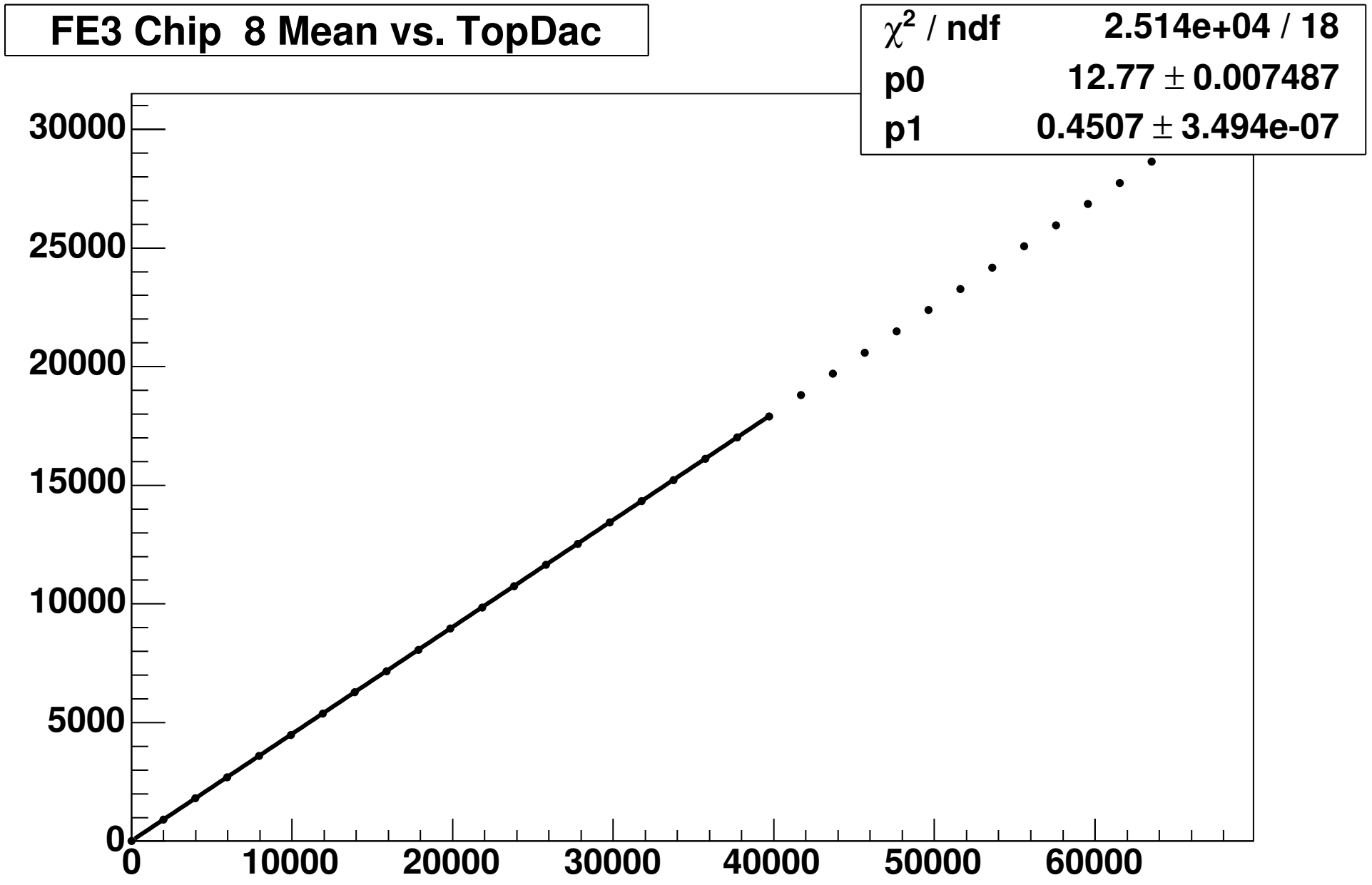
FE3 Chip 8 Mean vs. TopDac
χ² / ndf 2.514e+04 / 18
p0 12.77 ± 0.007487
p1 0.4507 ± 3.494e-07
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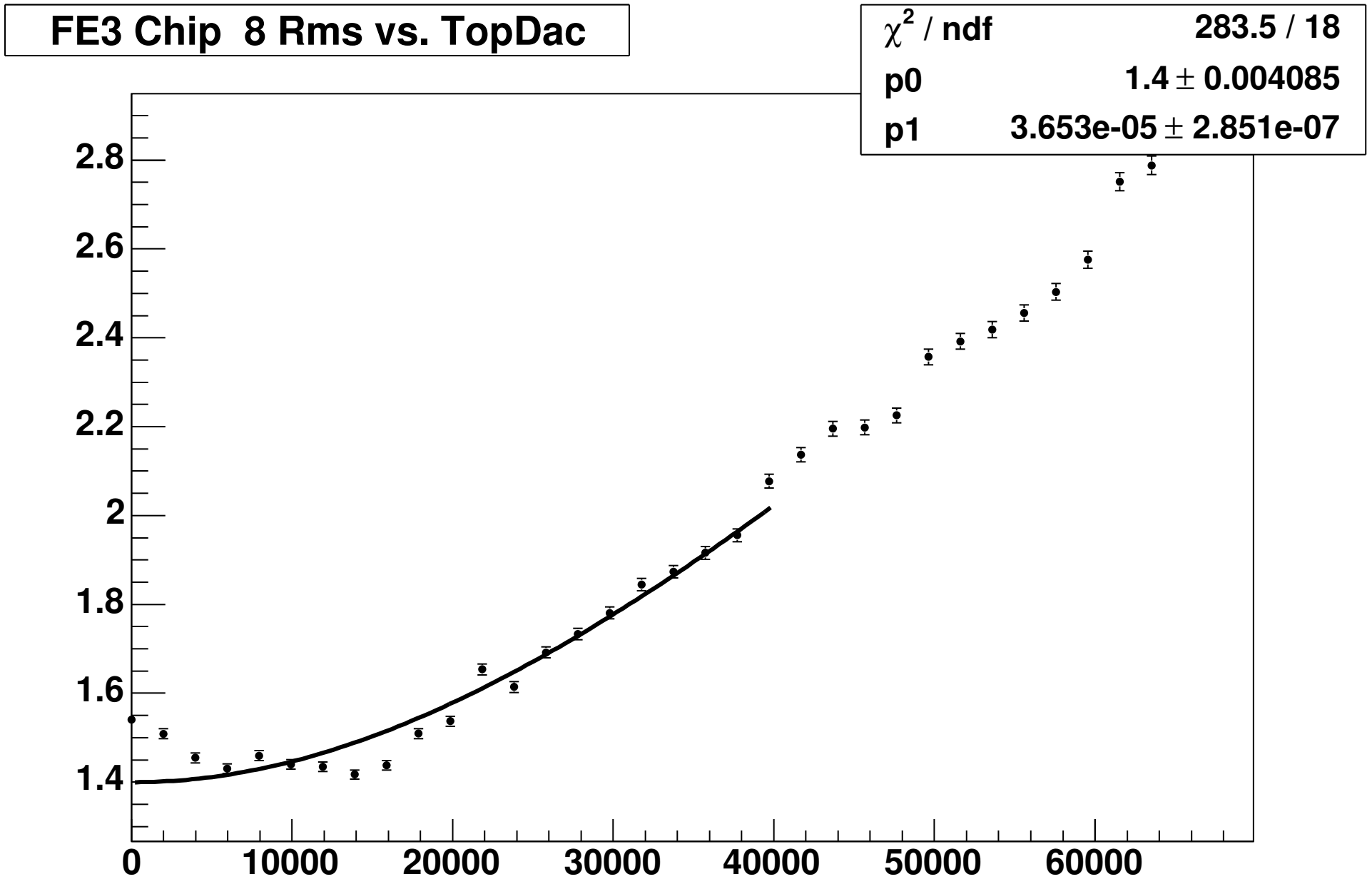
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 283.5 / 18
p0 1.4 ± 0.004085
p1 3.653e-05 ± 2.851e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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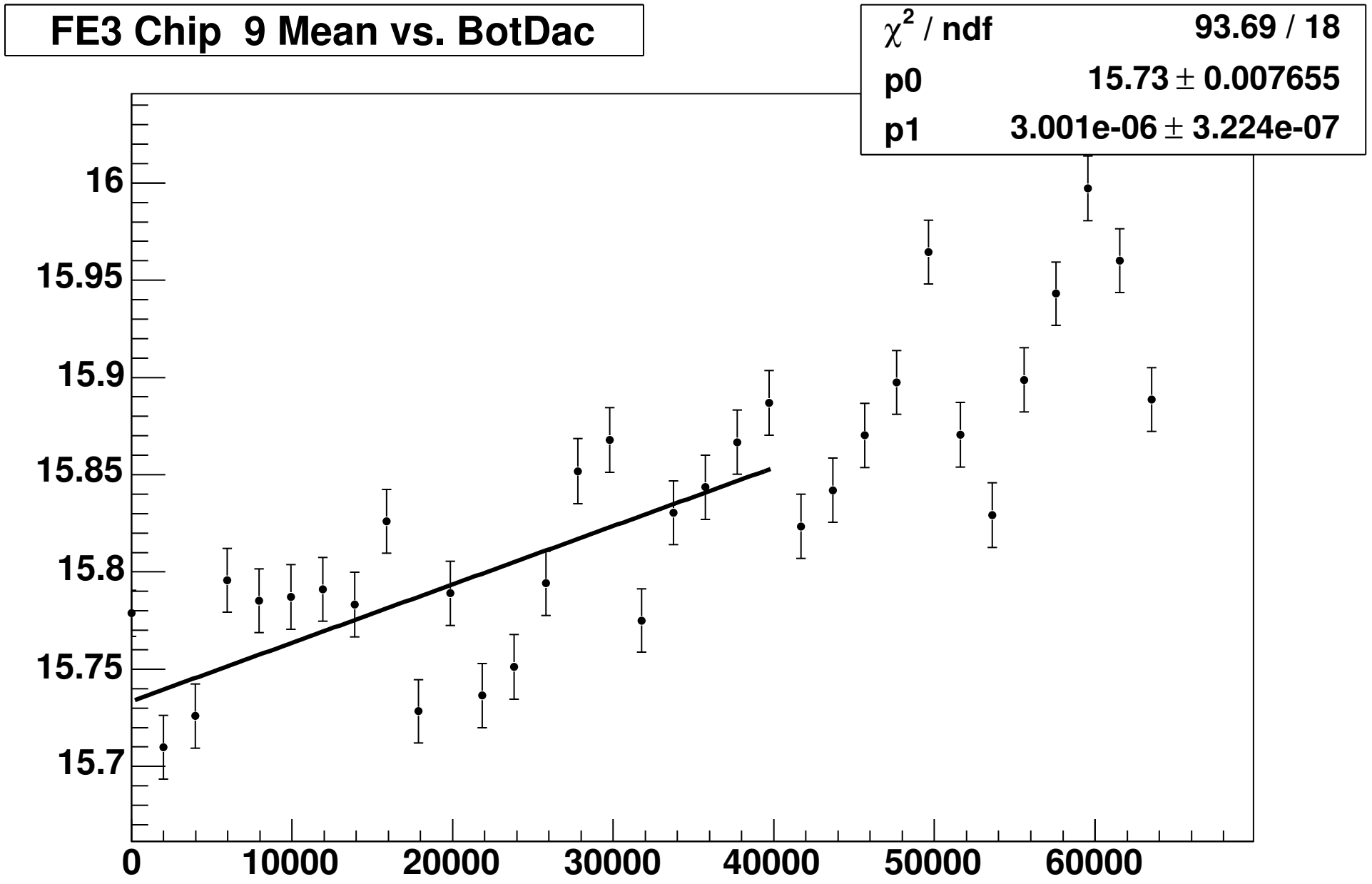
FE3 Chip 9 Mean vs. BotDac
χ² / ndf 93.69 / 18
p0 15.73 ± 0.007655
p1 3.001e-06 ± 3.224e-07
16
15.95
15.9
15.85
15.8
15.75
15.7
0
10000
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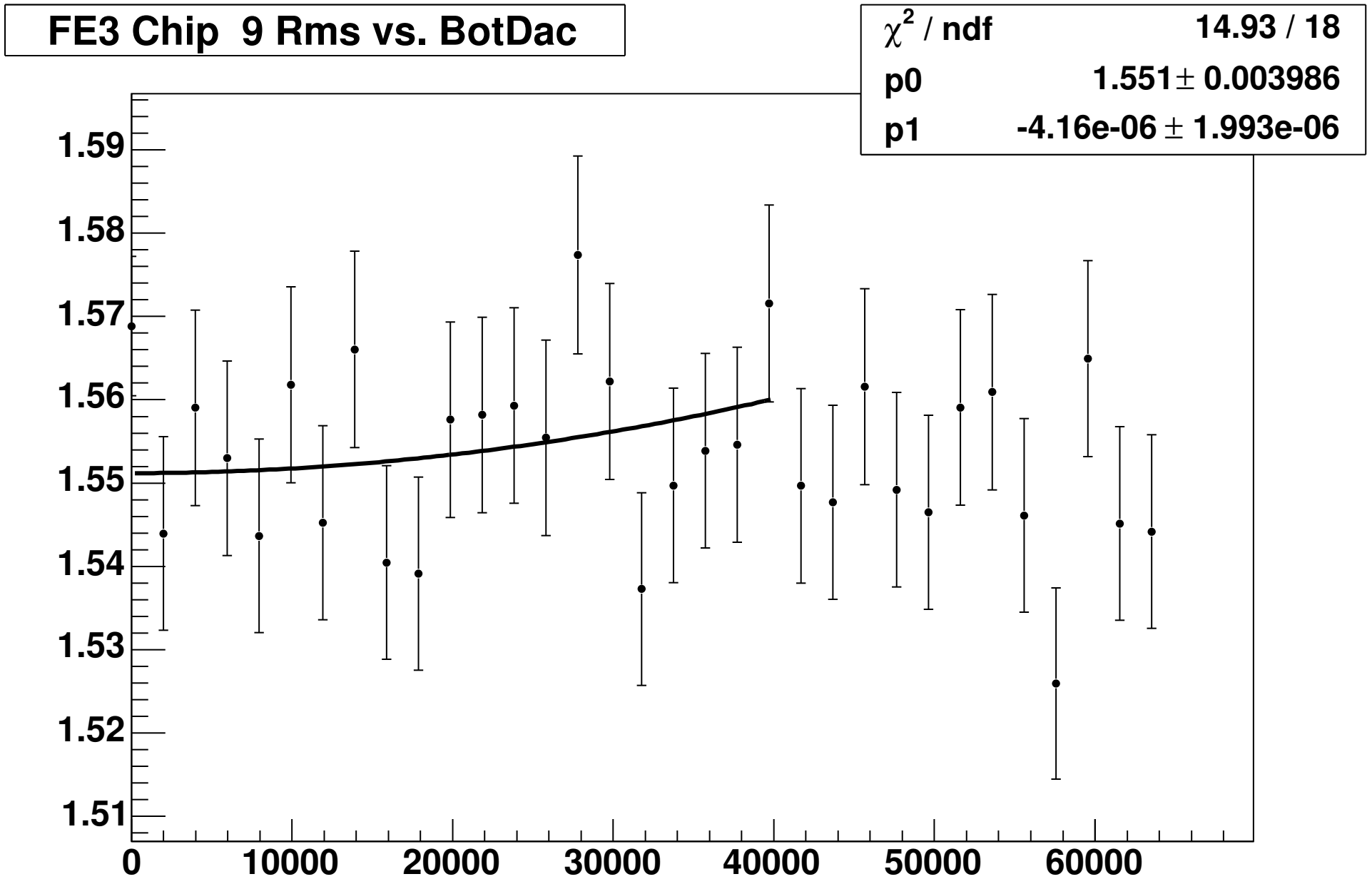
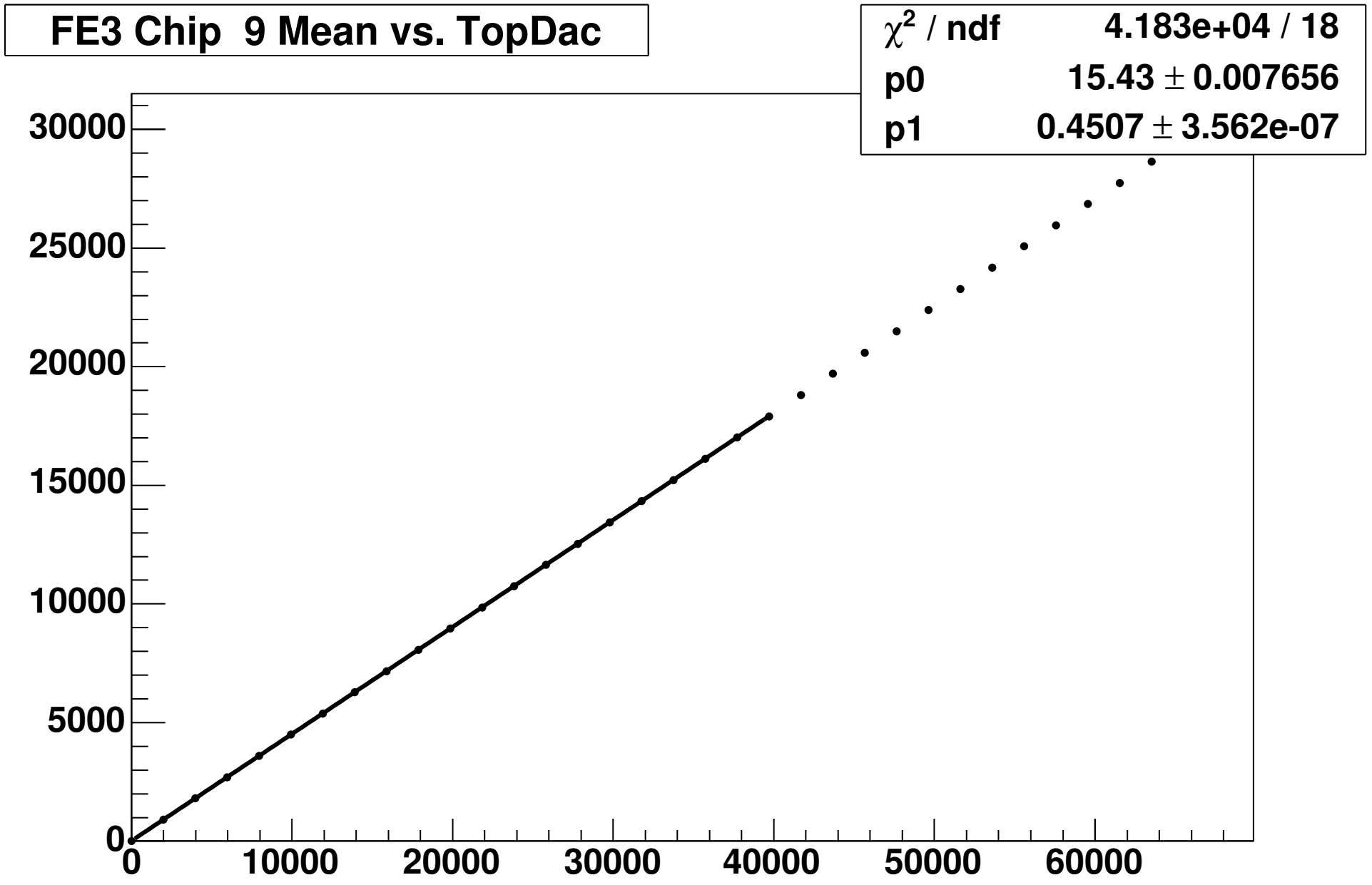
30000
40000
50000
60000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 14.93 / 18
p0 1.551 ± 0.003986
p1 -4.16e-06 ± 1.993e-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


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 4.183e+04 / 18
p0 15.43 ± 0.007656
p1 0.4507 ± 3.562e-07
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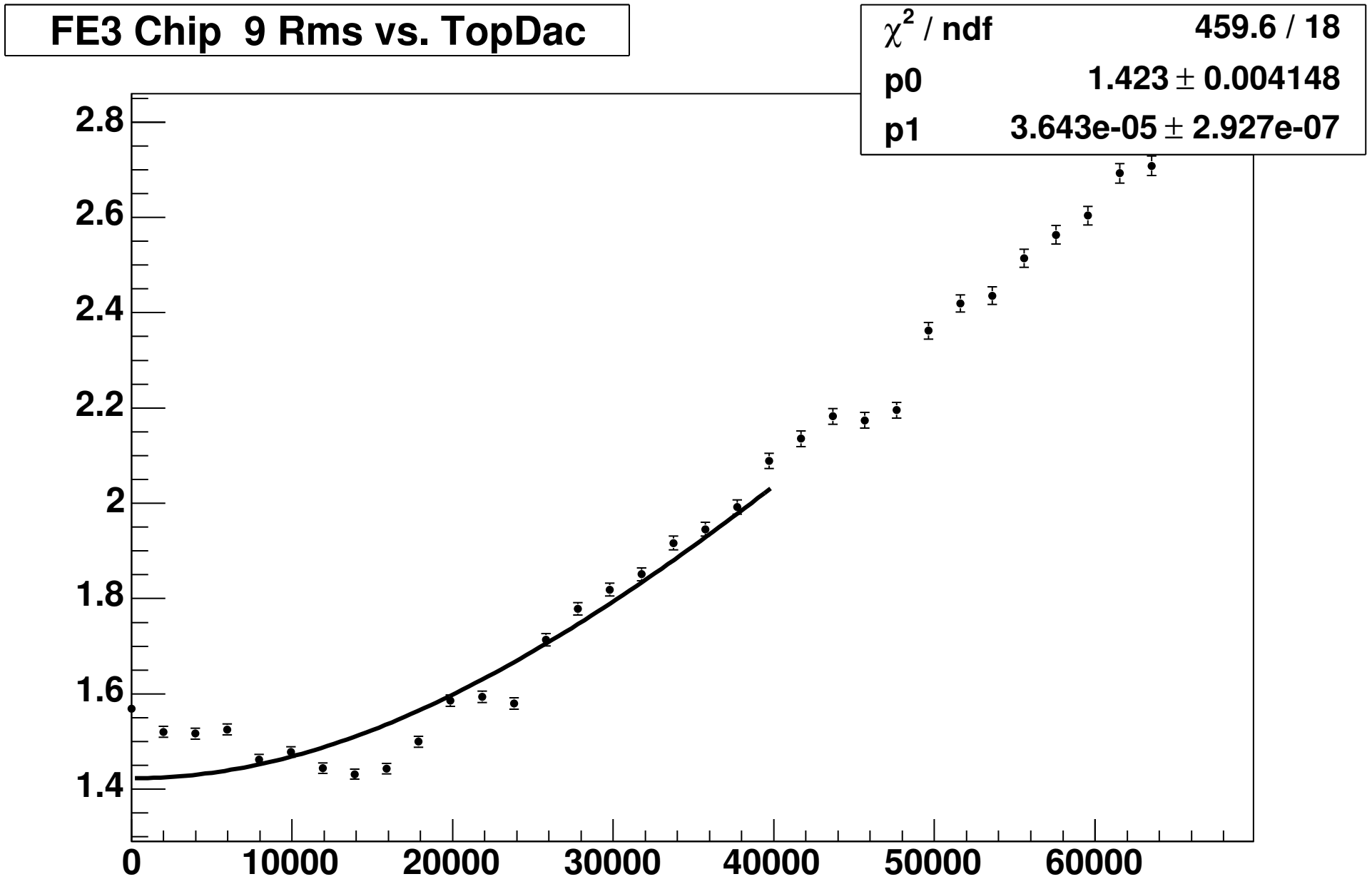
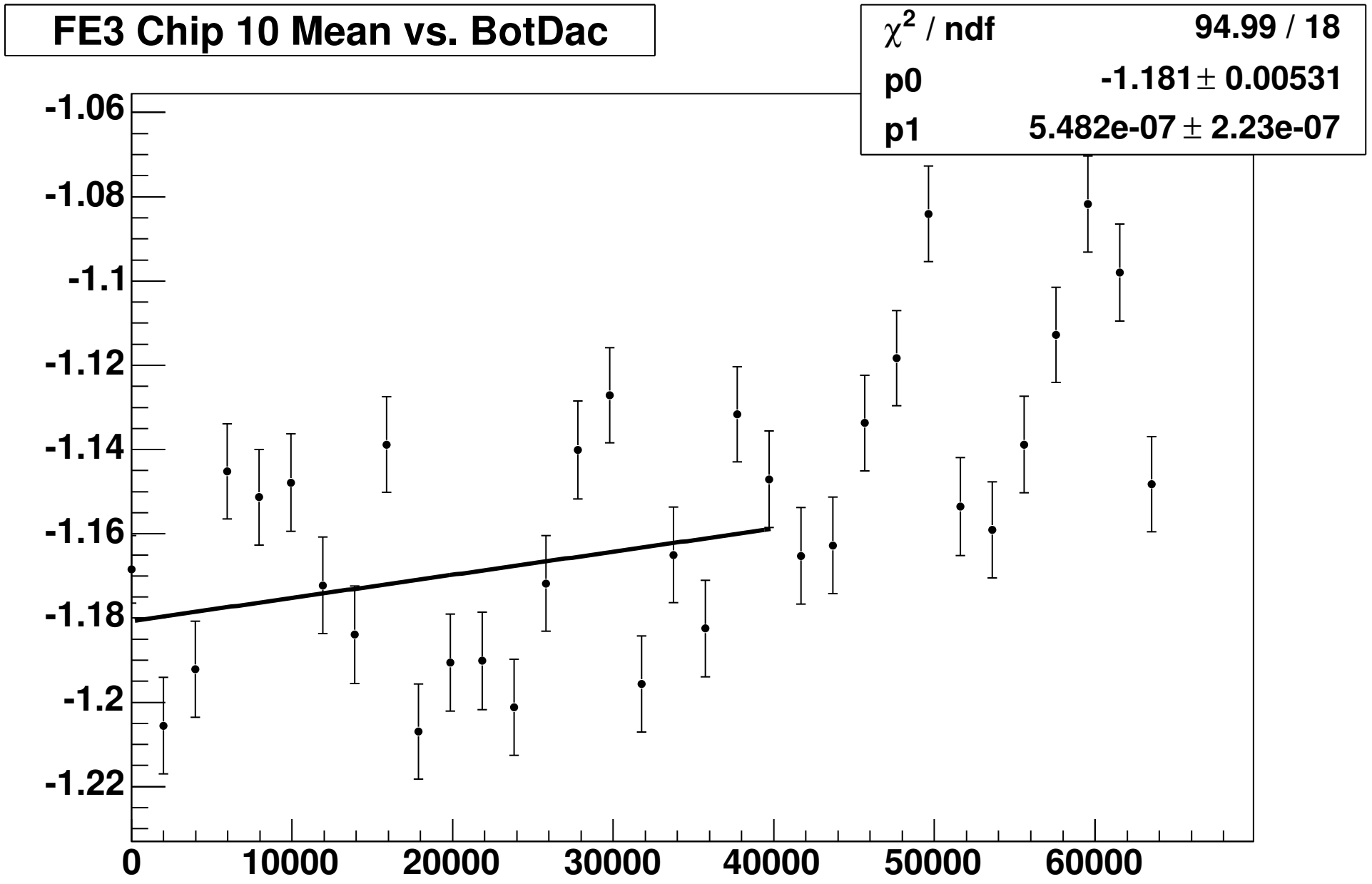
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 459.6 / 18
p0 1.423 ± 0.004148
p1 3.643e-05 ± 2.927e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 94.99 / 18
p0 -1.181 ± 0.00531
p1 5.482e-07 ± 2.23e-07
-1.06
-1.08
-1.1
-1.12
-1.14
-1.16
-1.18
-1.2
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10000
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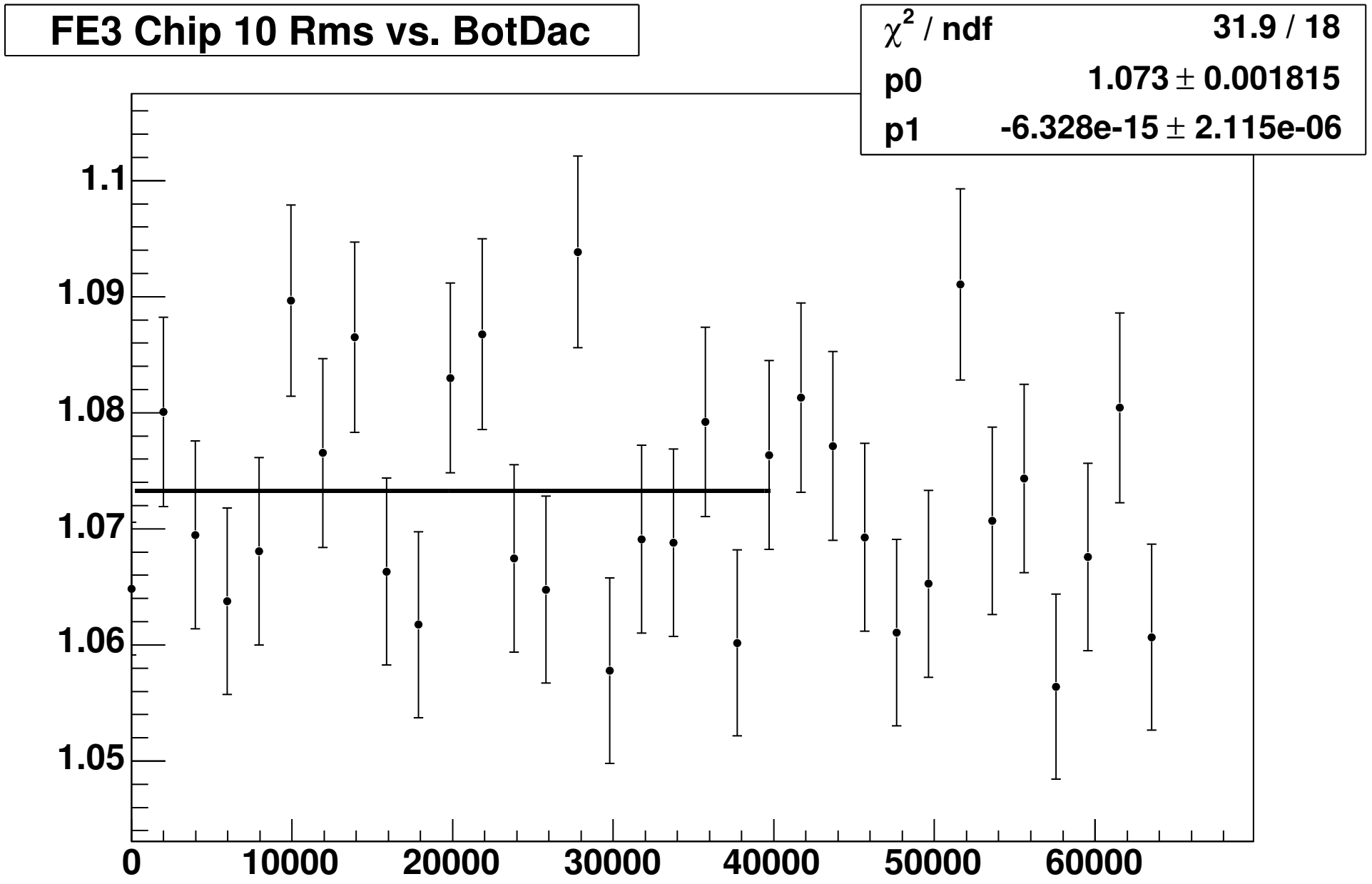
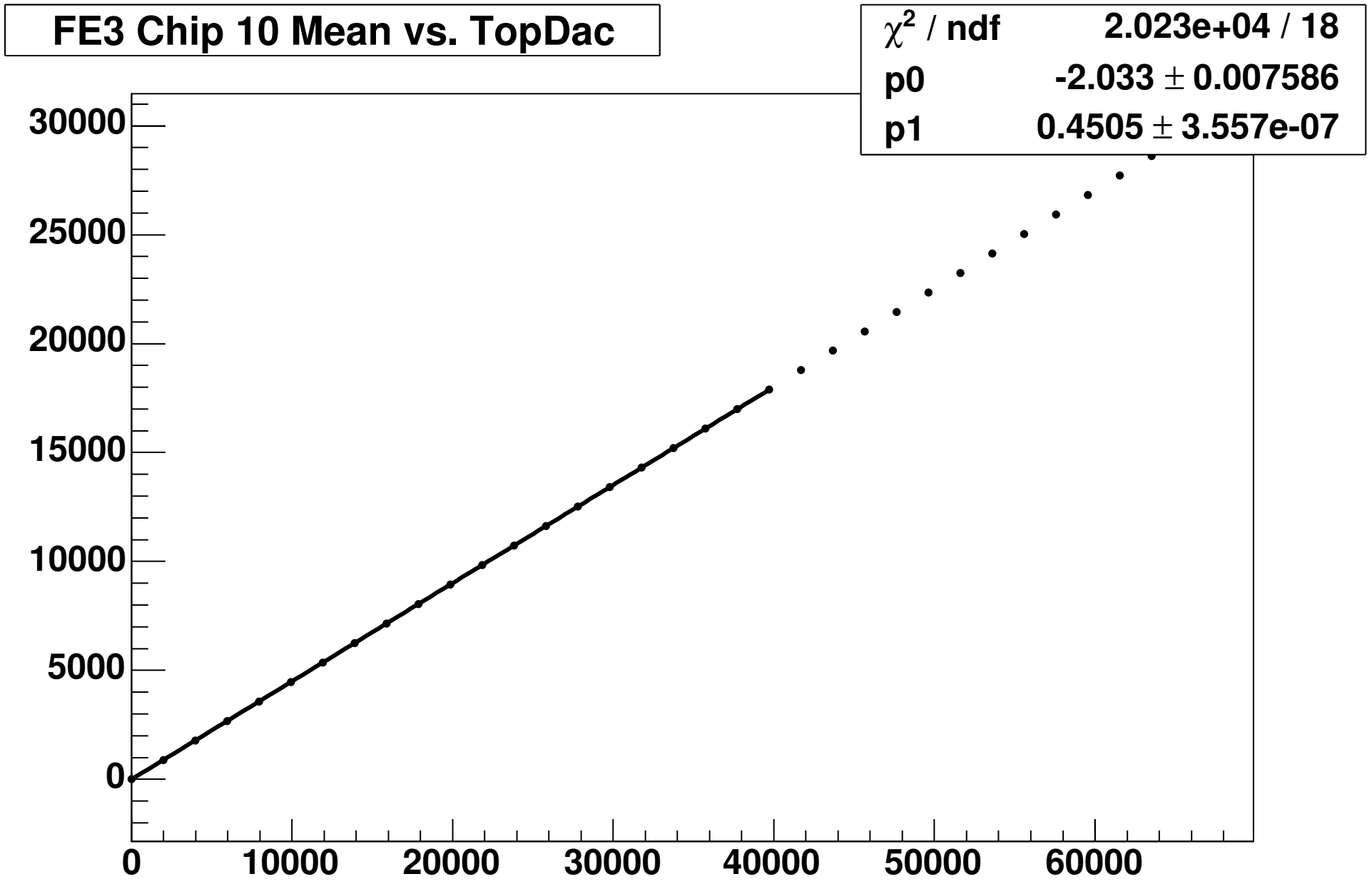
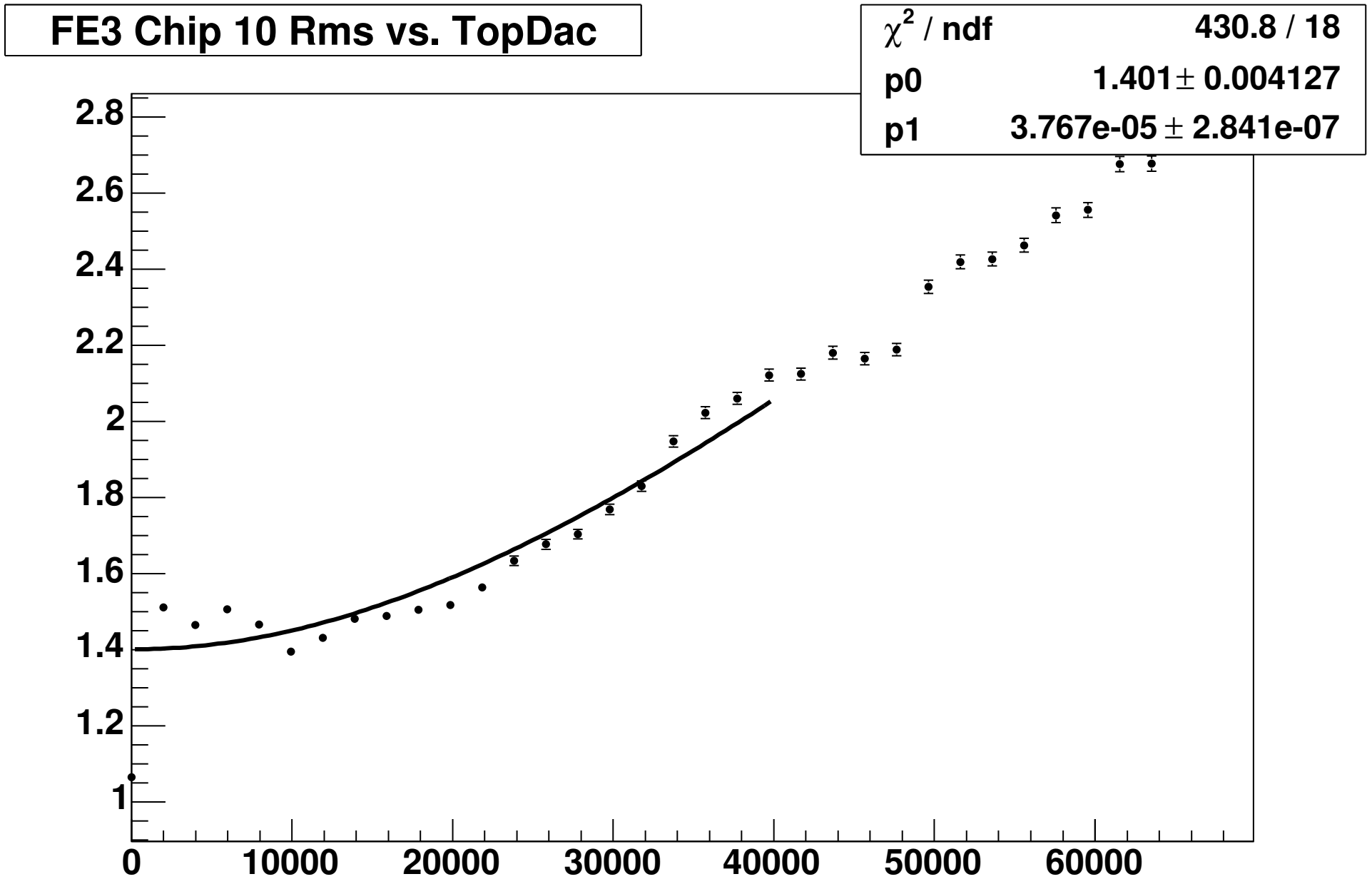

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 31.9 / 18
p0 1.073 ± 0.001815
p1 -6.328e-15 ± 2.115e-06
1.1
1.09
1.08
1.07
1.06
1.05
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.023e+04 / 18
p0 -2.033 ± 0.007586
p1 0.4505 ± 3.557e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 430.8 / 18
p0 1.401 ± 0.004127
p1 3.767e-05 ± 2.841e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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0
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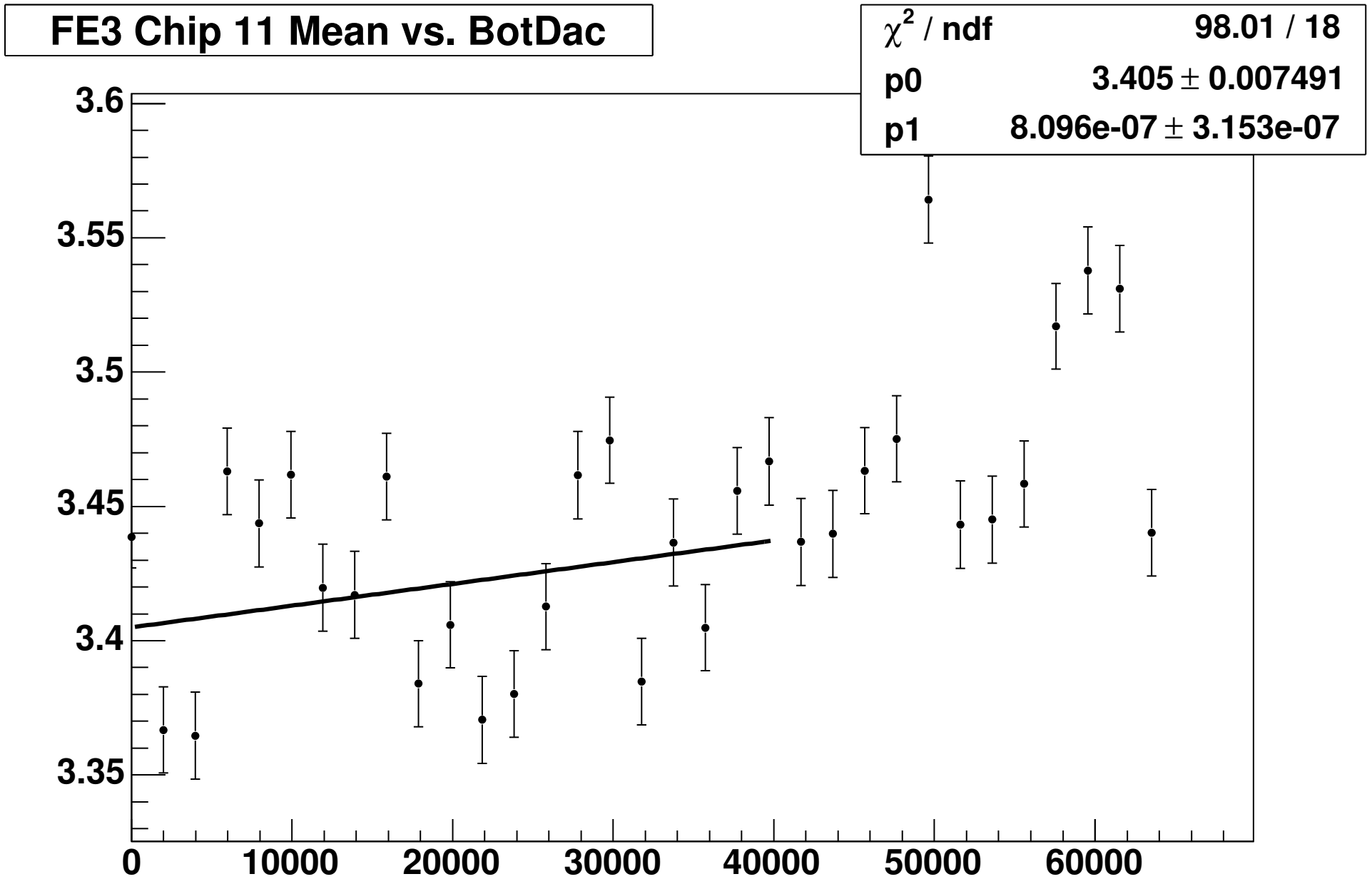
FE3 Chip 11 Mean vs. BotDac
χ² / ndf 98.01 / 18
p0 3.405 ± 0.007491
p1 8.096e-07 ± 3.153e-07
3.6
3.55
3.5
3.45
3.4
3.35
0
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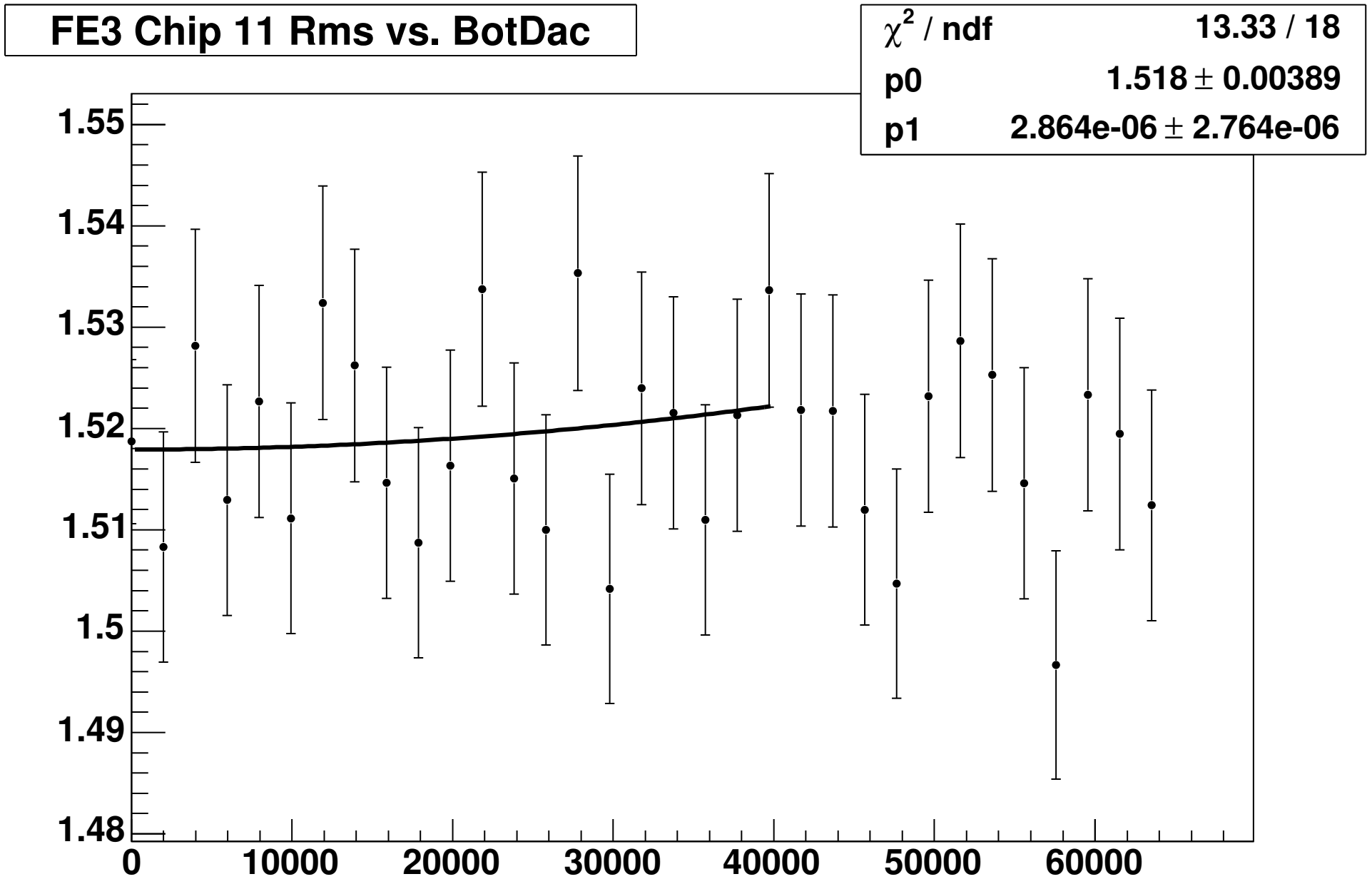
FE3 Chip 11 Rms vs. BotDac
χ² / ndf 13.33 / 18
p0 1.518 ± 0.00389
p1 2.864e-06 ± 2.764e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
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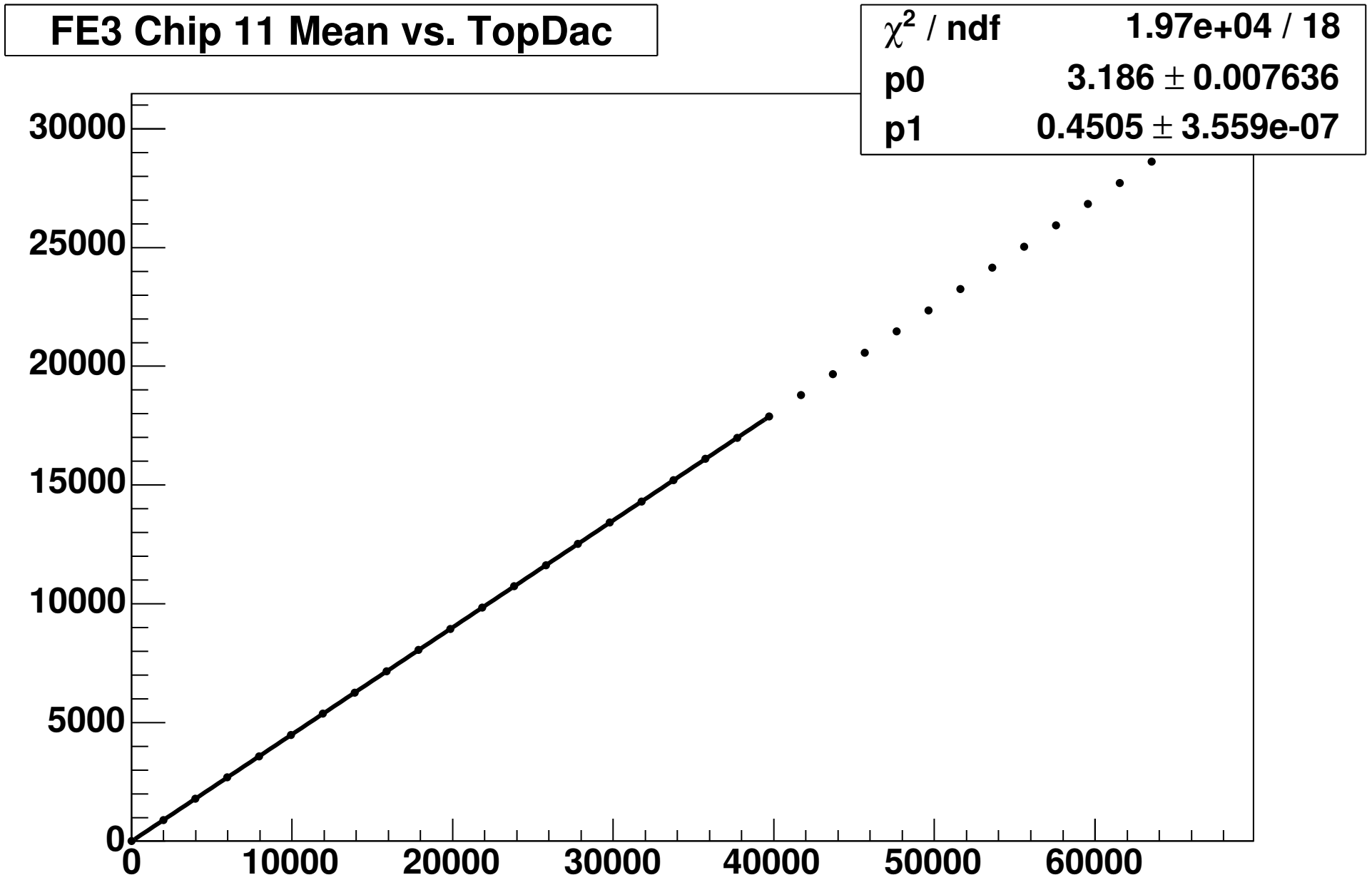
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.97e+04 / 18
p0 3.186 ± 0.007636
p1 0.4505 ± 3.559e-07
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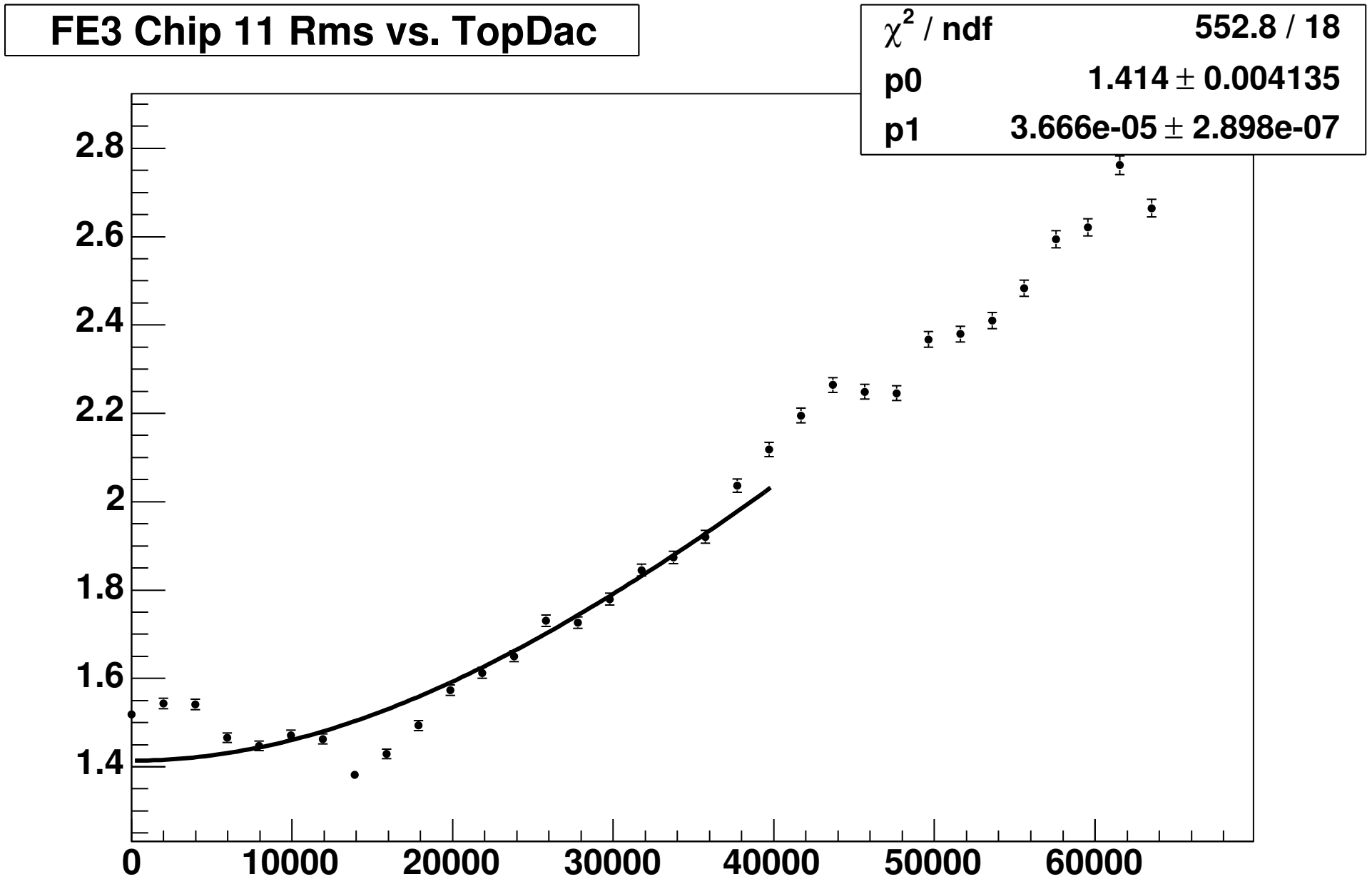
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 552.8 / 18
p0 1.414 ± 0.004135
p1 3.666e-05 ± 2.898e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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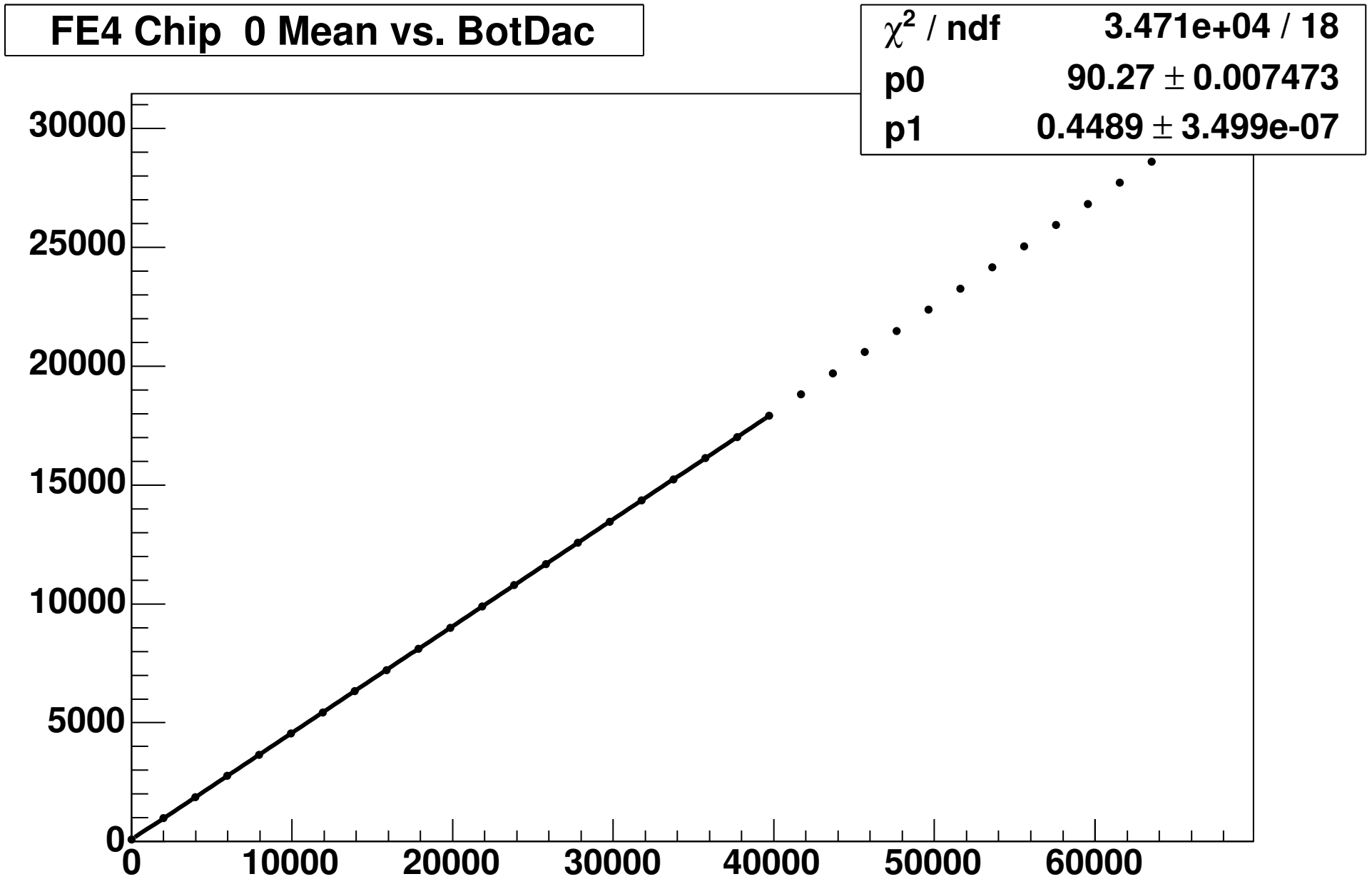
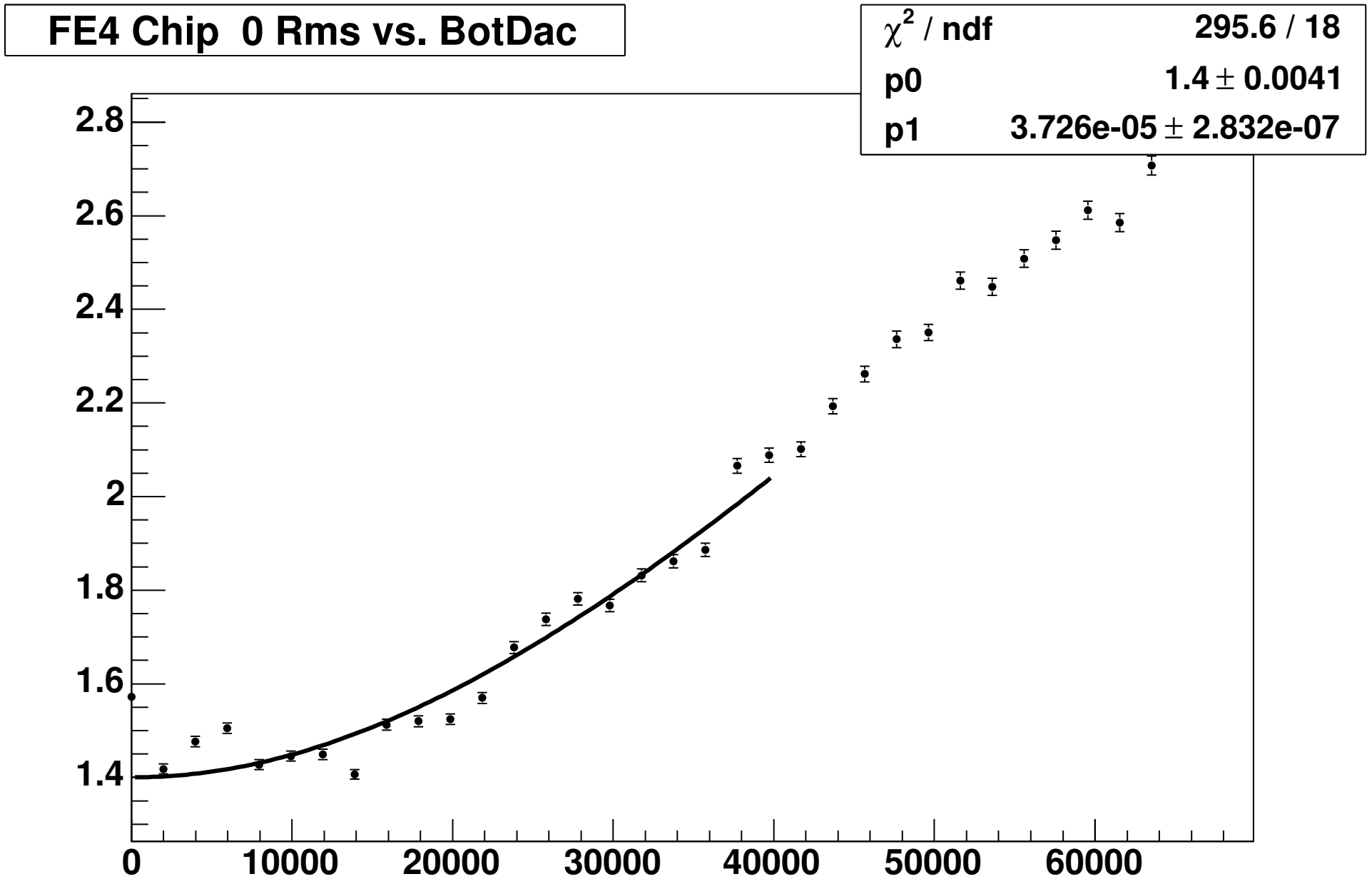

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 3.471e+04 / 18
p0 90.27 ± 0.007473
p1 0.4489 ± 3.499e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 295.6 / 18
p0 1.4 ± 0.0041
p1 3.726e-05 ± 2.832e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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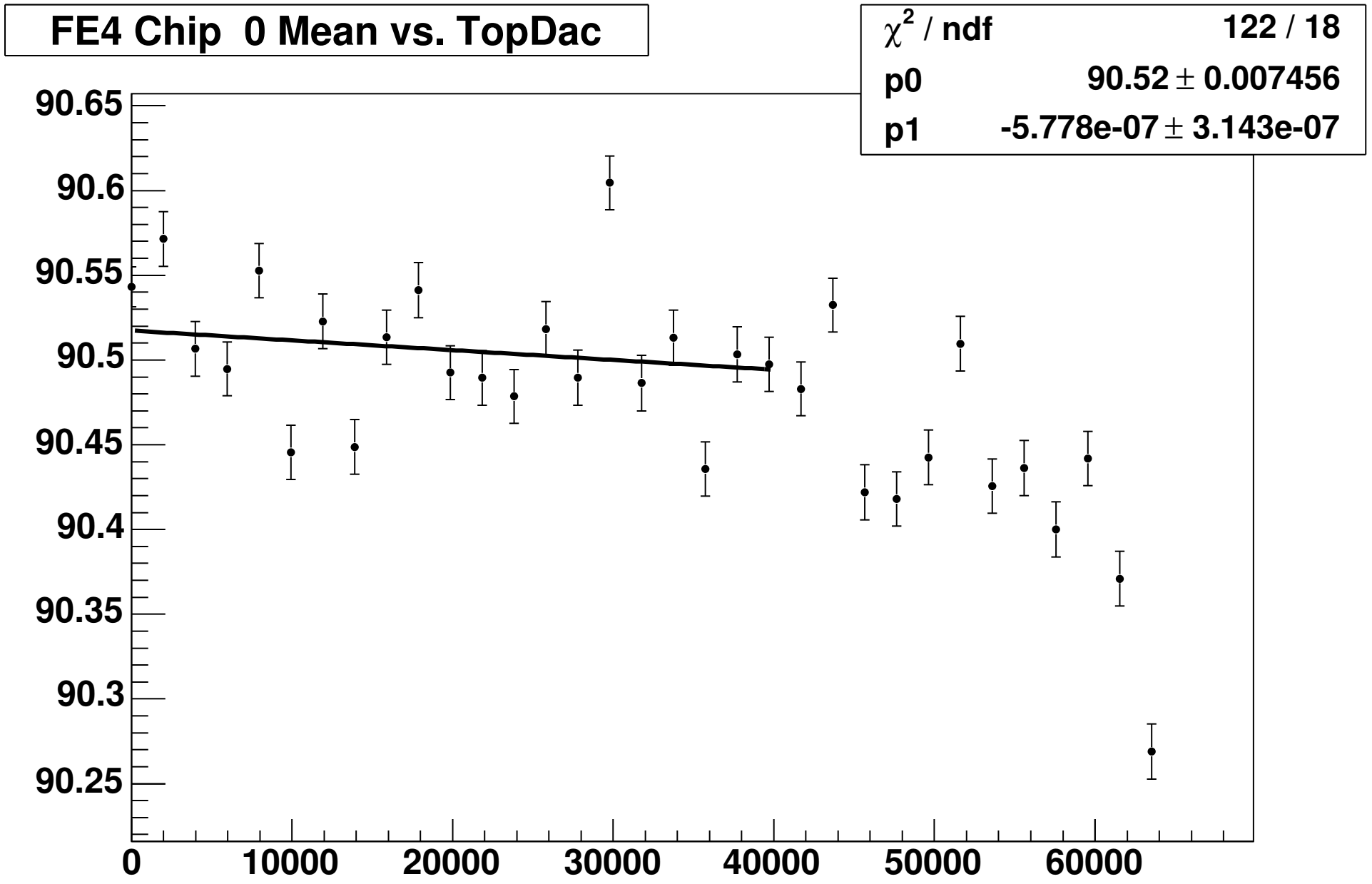
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 122 / 18
p0 90.52 ± 0.007456
p1 -5.778e-07 ± 3.143e-07
90.65
90.6
90.55
90.5
90.45
90.4
90.35
90.3
90.25
0
10000
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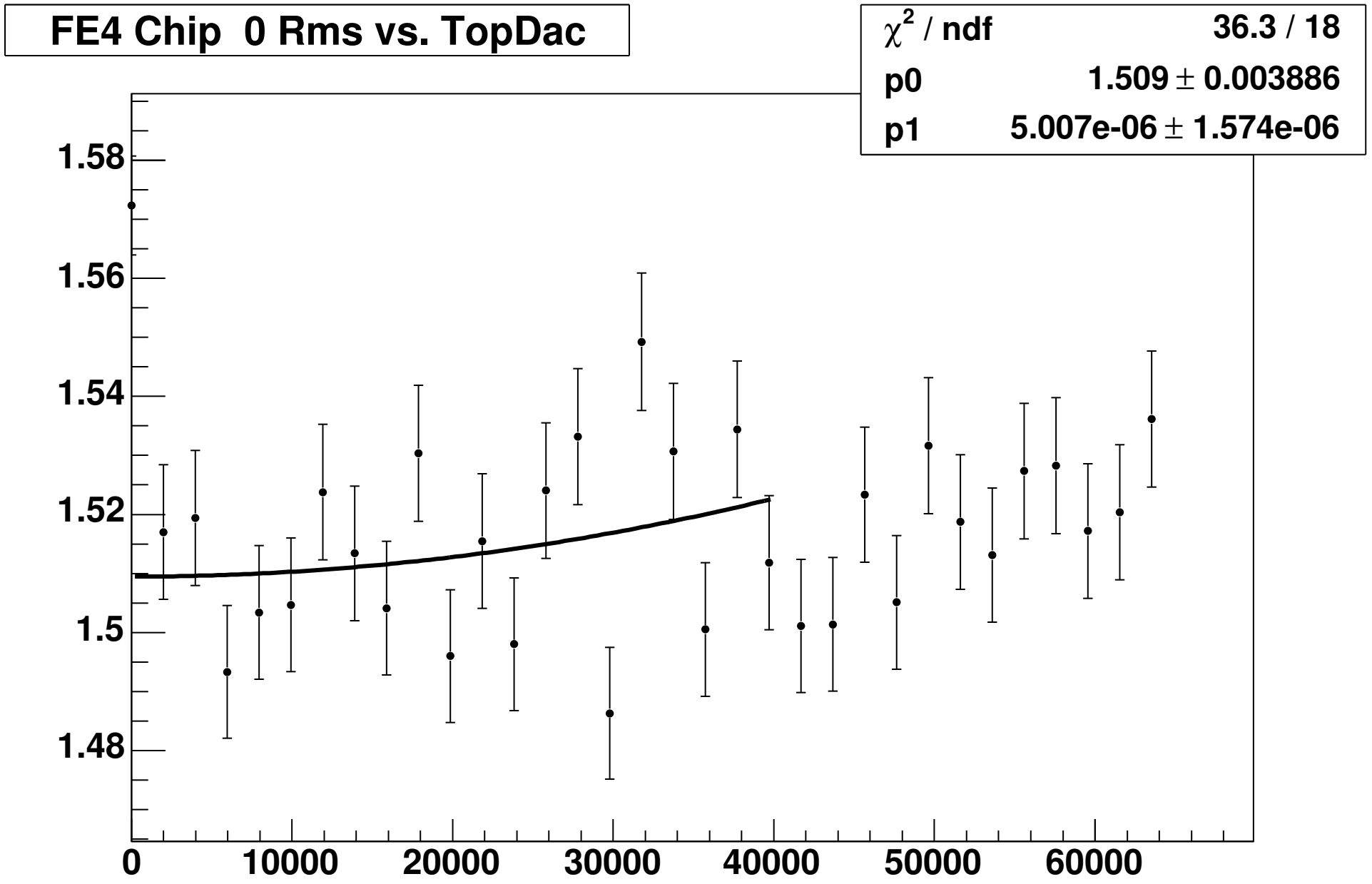
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 36.3 / 18
p0 1.509 ± 0.003886
p1 5.007e-06 ± 1.574e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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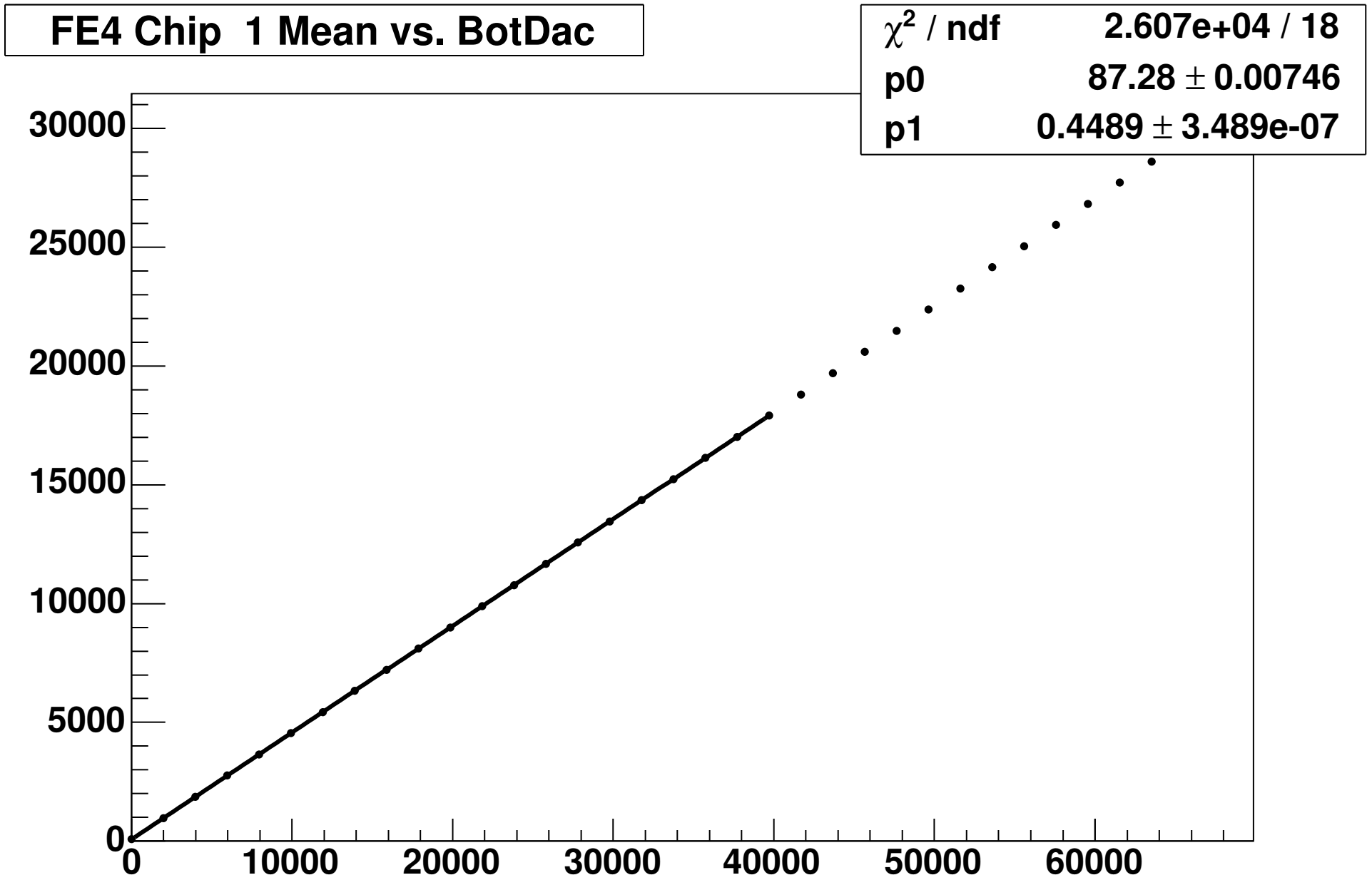
30000
40000
50000
60000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.607e+04 / 18
p0 87.28 ± 0.00746
p1 0.4489 ± 3.489e-07
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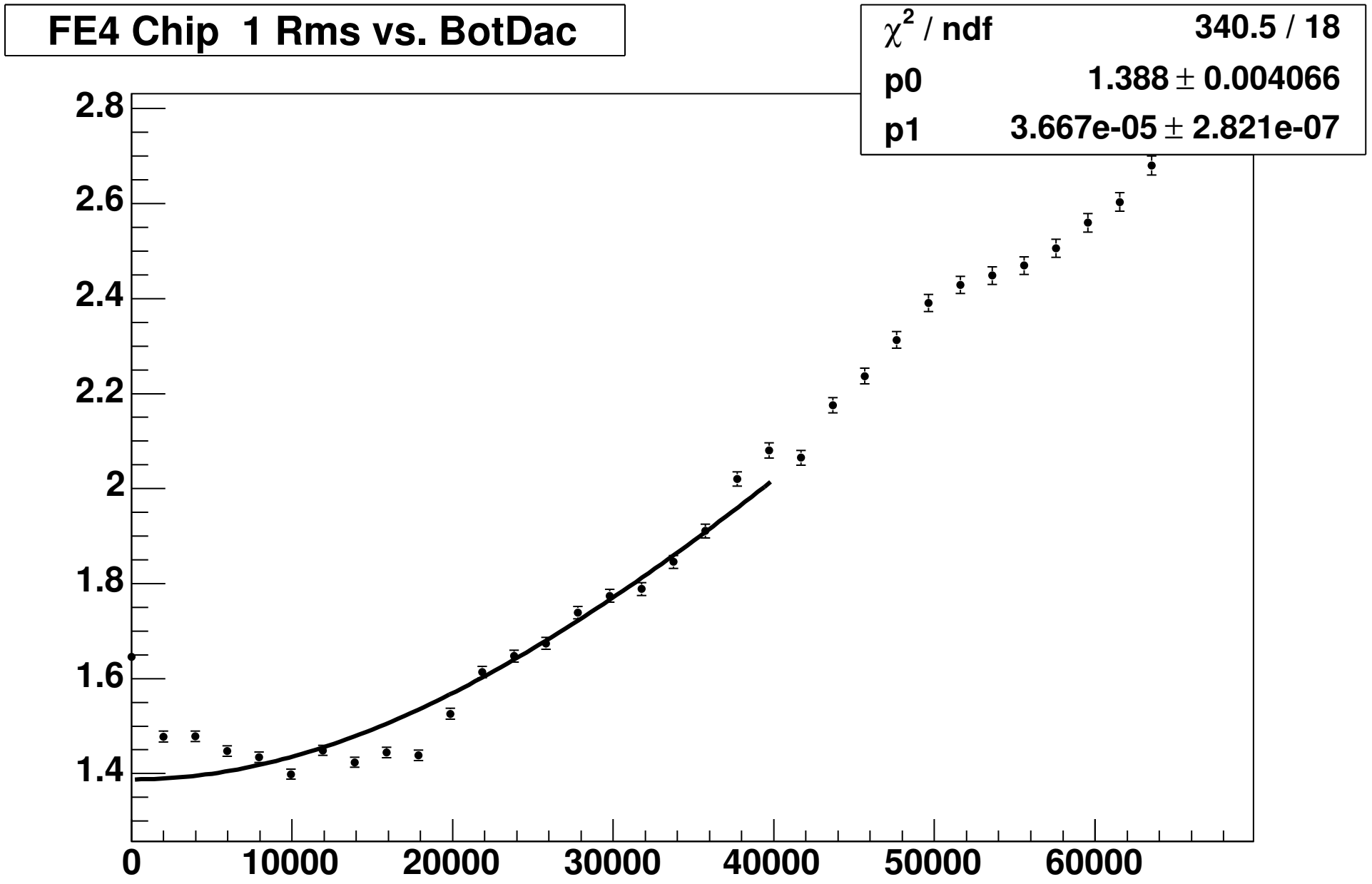
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 340.5 / 18
p0 1.388 ± 0.004066
p1 3.667e-05 ± 2.821e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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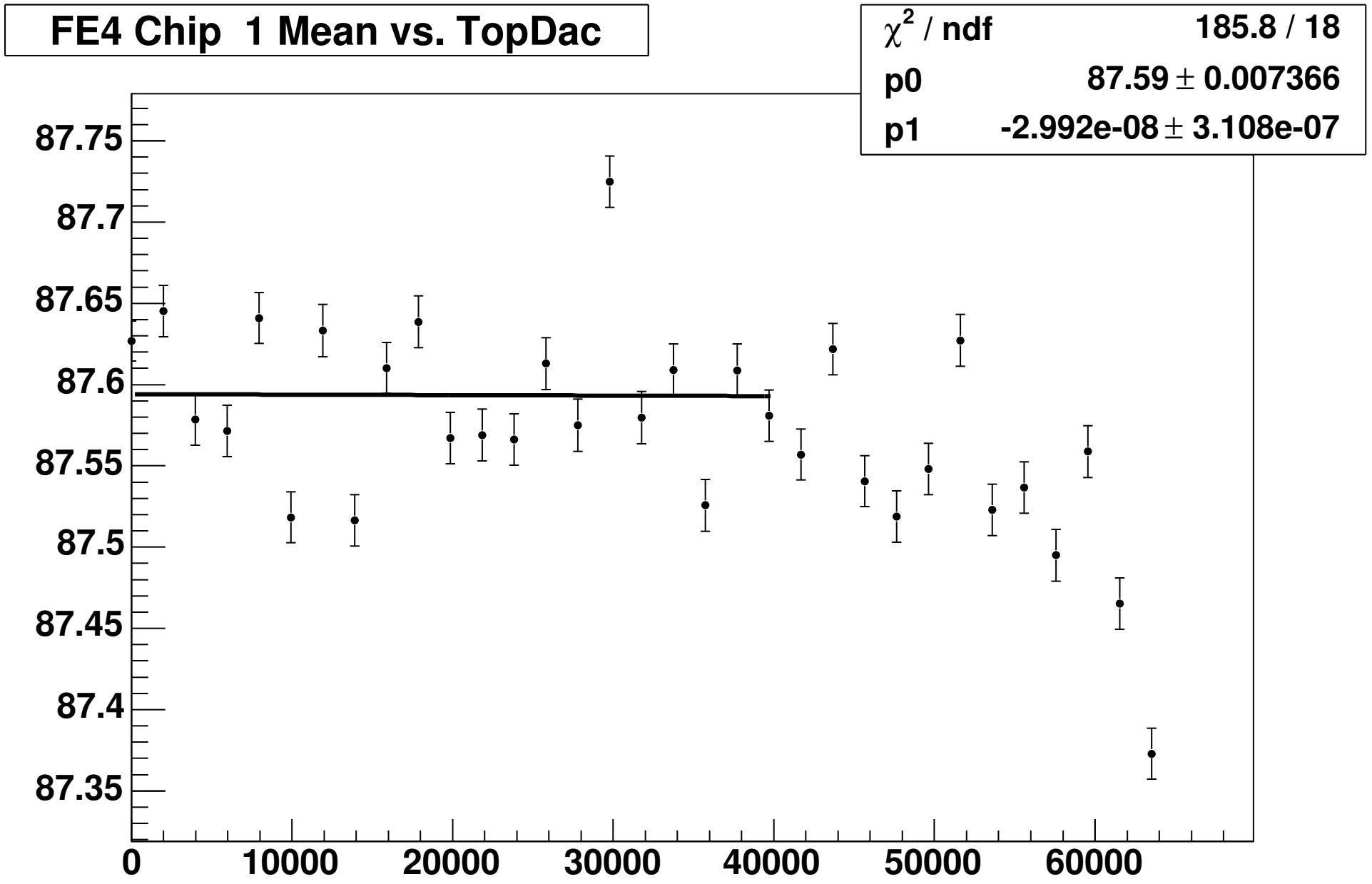
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 185.8 / 18
p0 87.59 ± 0.007366
p1 -2.992e-08 ± 3.108e-07
87.75
87.7
87.65
87.6
87.55
87.5
87.45
87.4
87.35
0
10000
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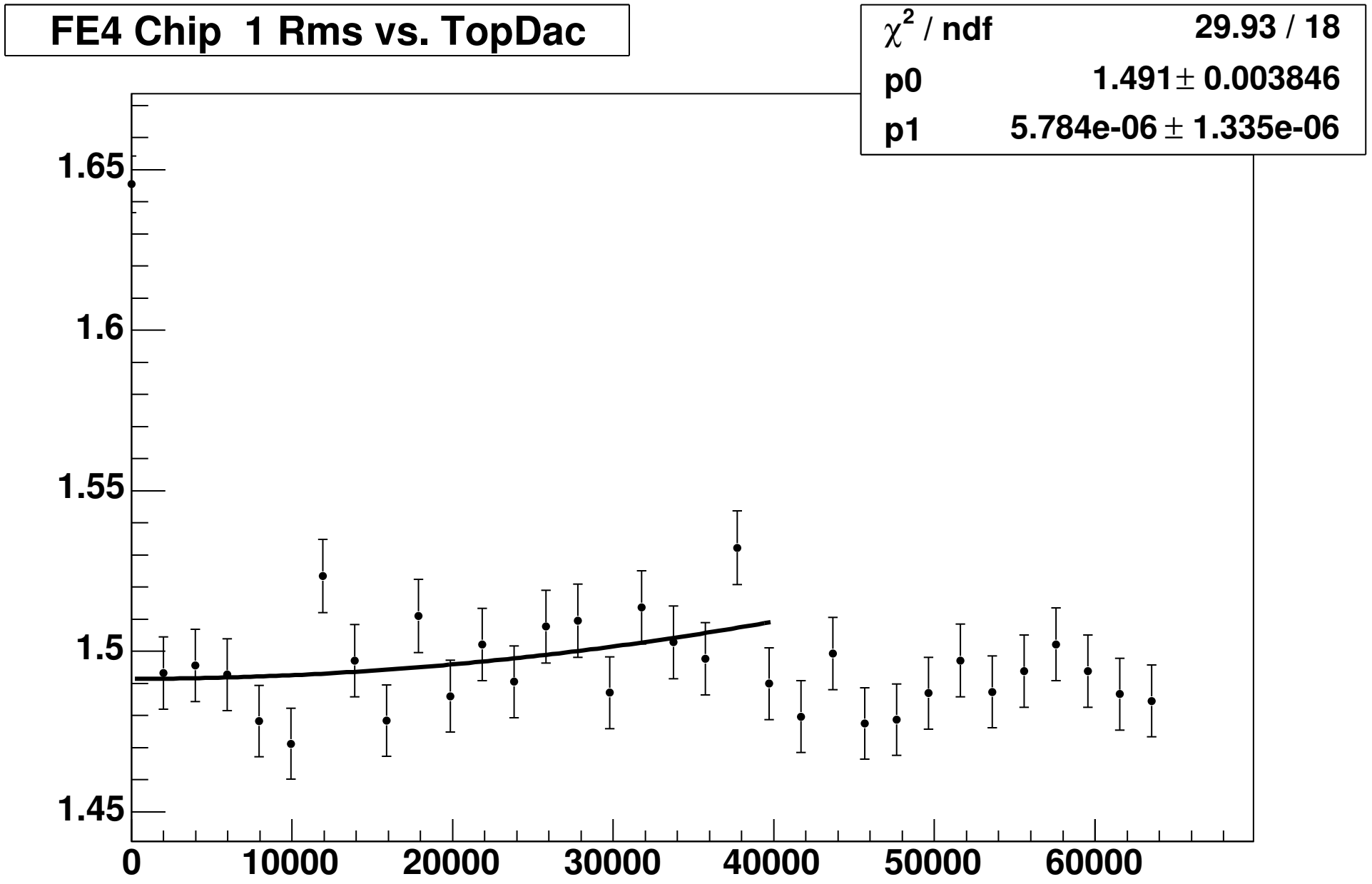
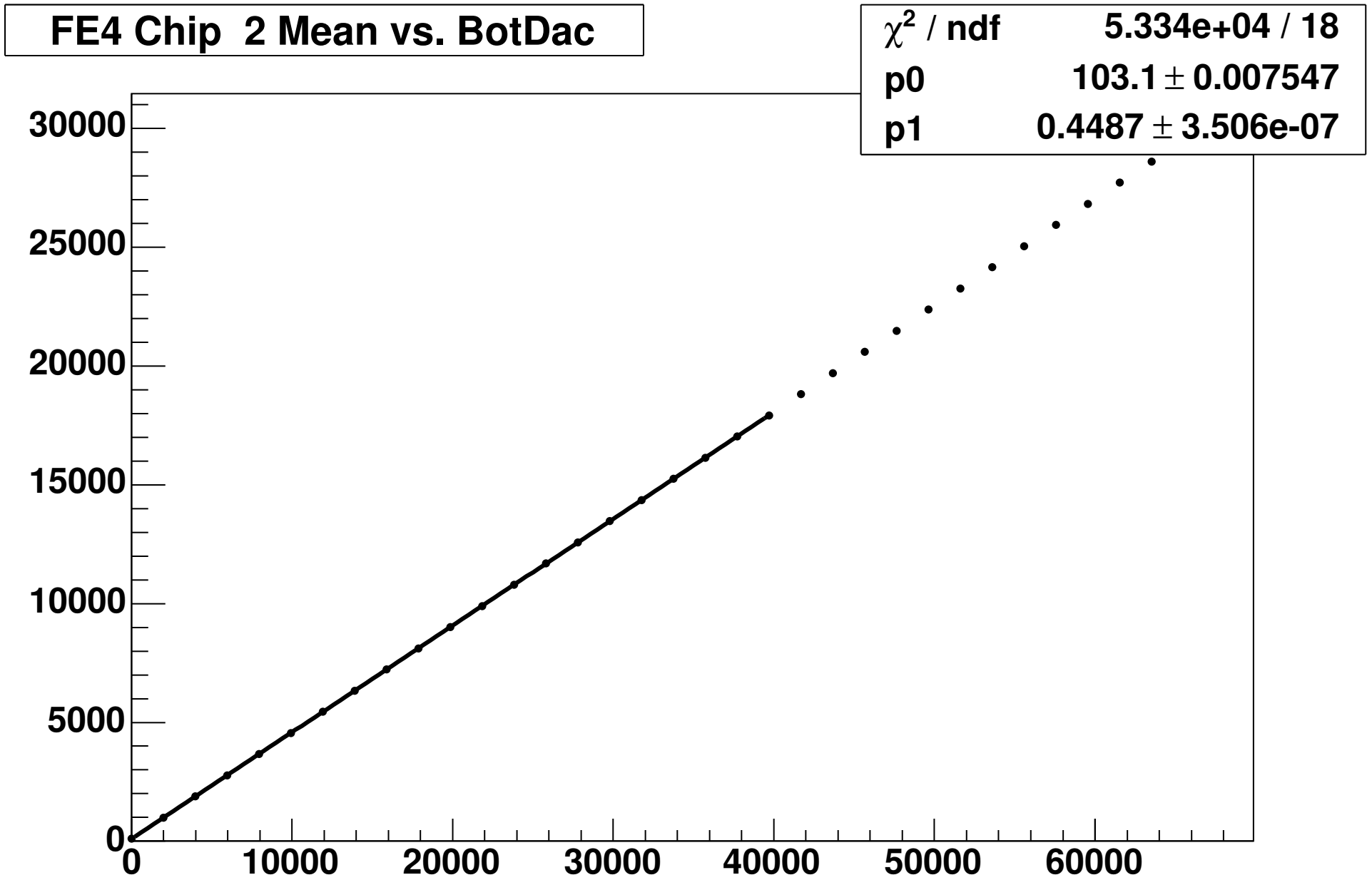
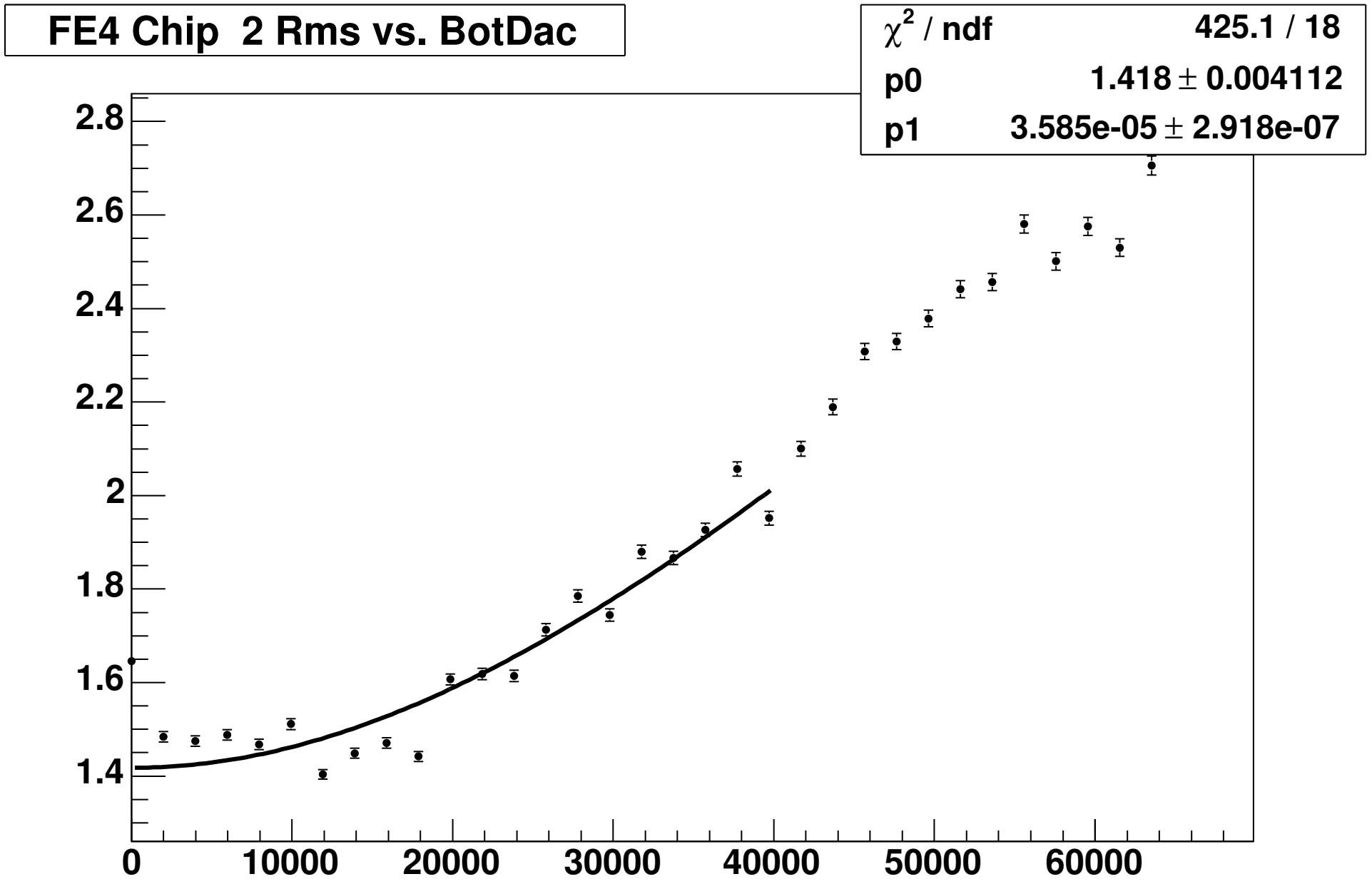
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 29.93 / 18
p0 1.491 ± 0.003846
p1 5.784e-06 ± 1.335e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 5.334e+04 / 18
p0 103.1 ± 0.007547
p1 0.4487 ± 3.506e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 425.1 / 18
p0 1.418 ± 0.004112
p1 3.585e-05 ± 2.918e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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40000
50000
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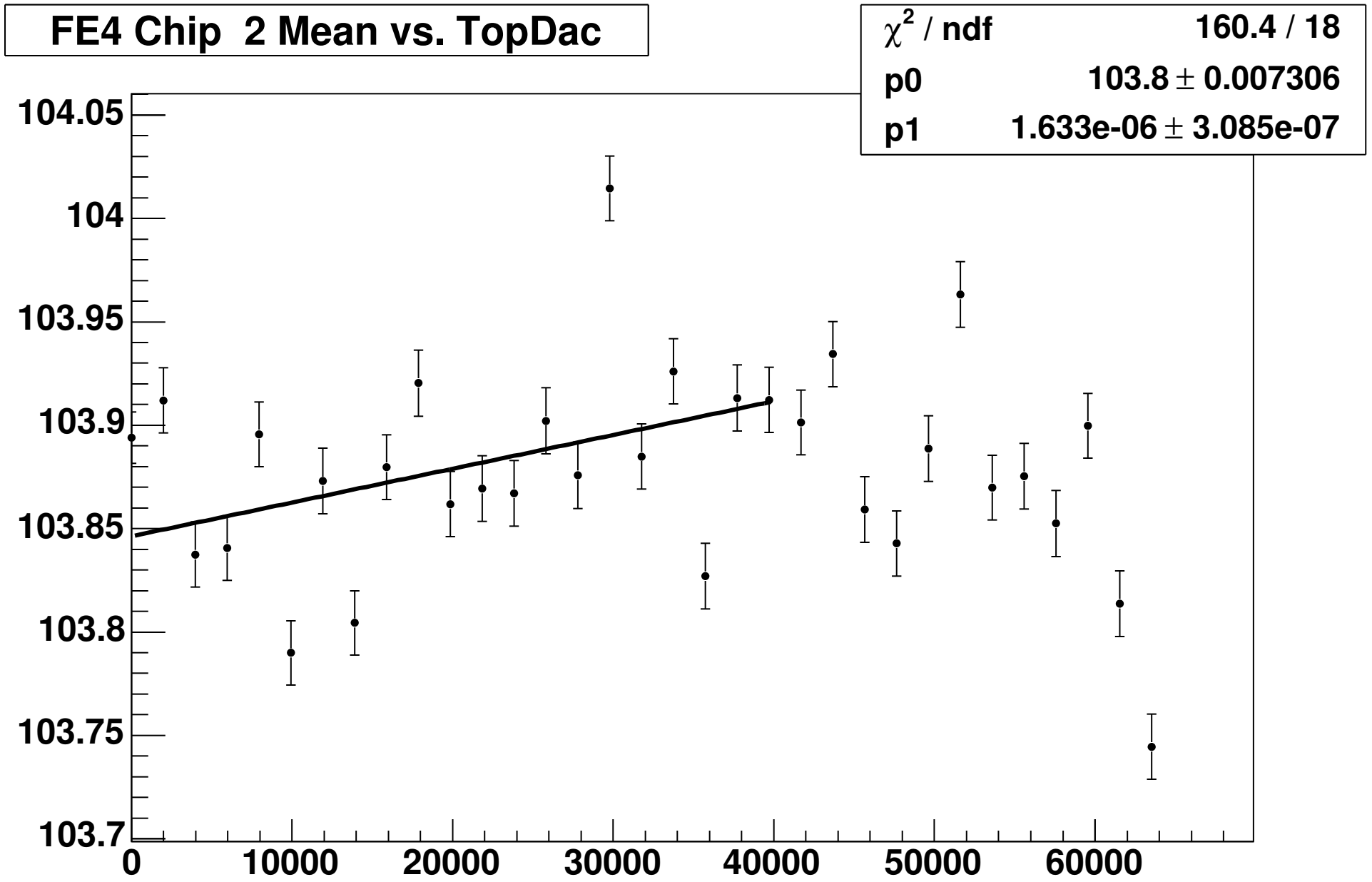
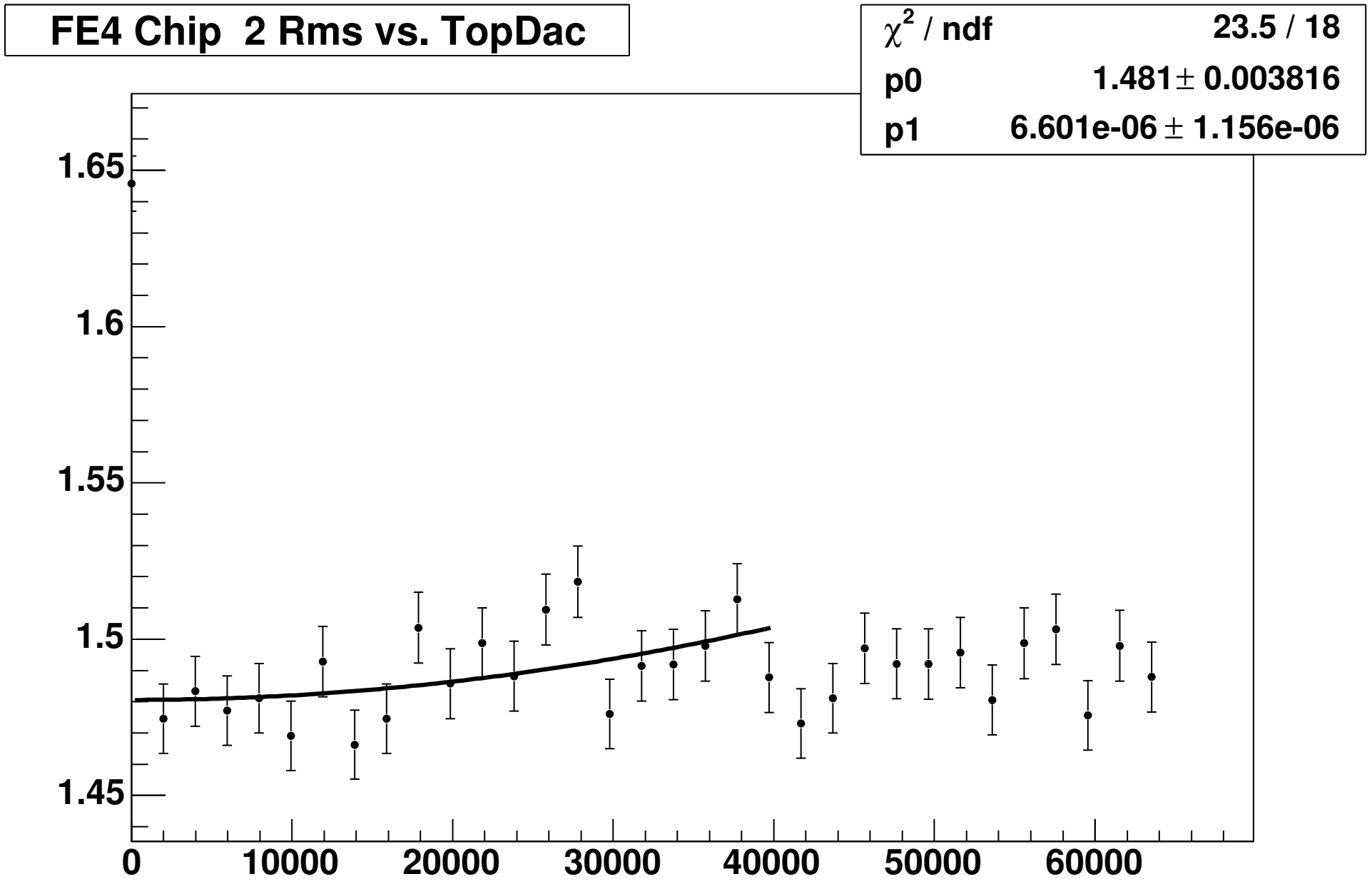
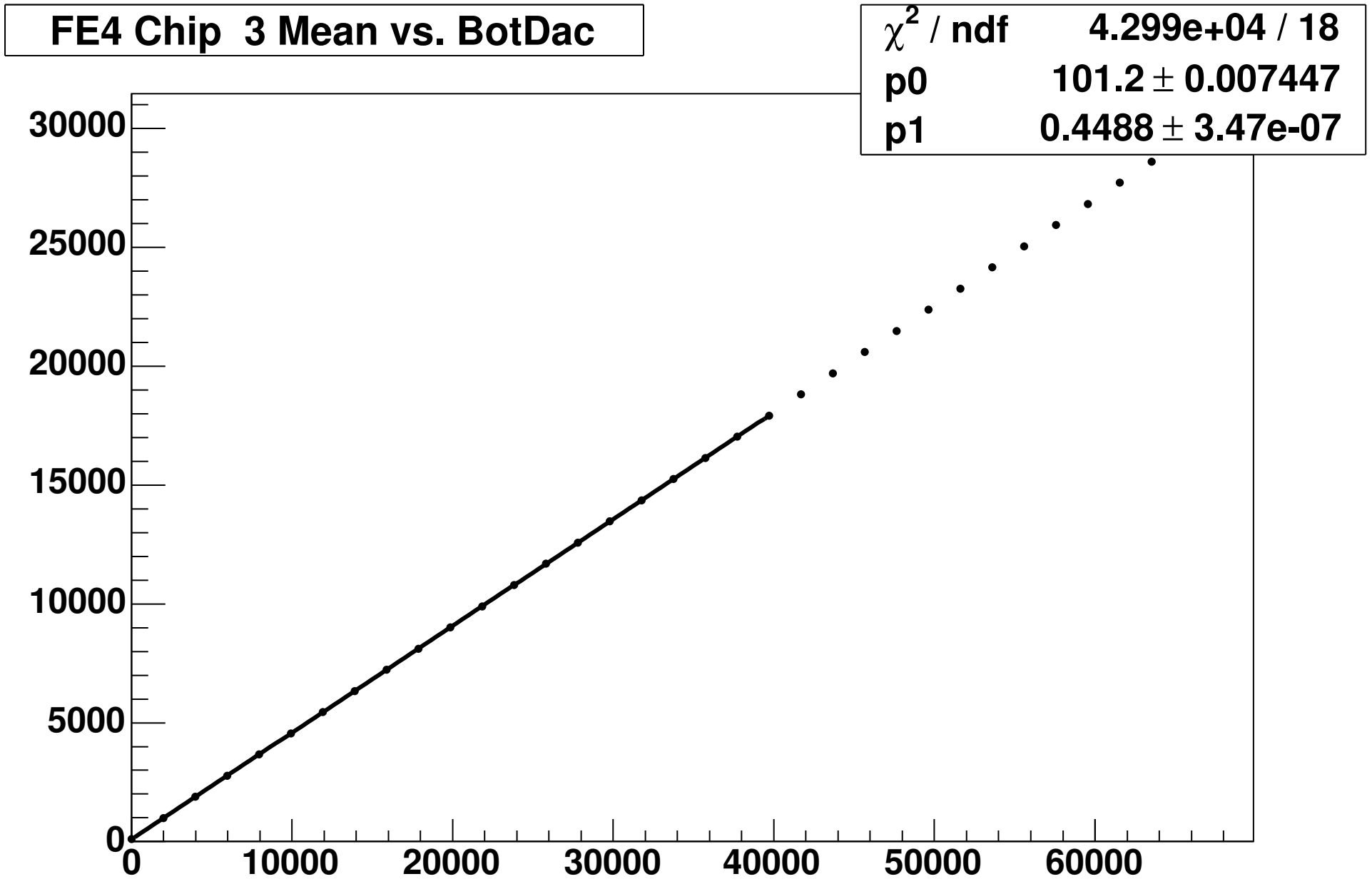

FE4 Chip 2 Mean vs. TopDac
χ² / ndf 160.4 / 18
p0 103.8 ± 0.007306
p1 1.633e-06 ± 3.085e-07
104.05
104
103.95
103.9
103.85
103.8
103.75
103.7
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 23.5 / 18
p0 1.481 ± 0.003816
p1 6.601e-06 ± 1.156e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.299e+04 / 18
p0 101.2 ± 0.007447
p1 0.4488 ± 3.47e-07
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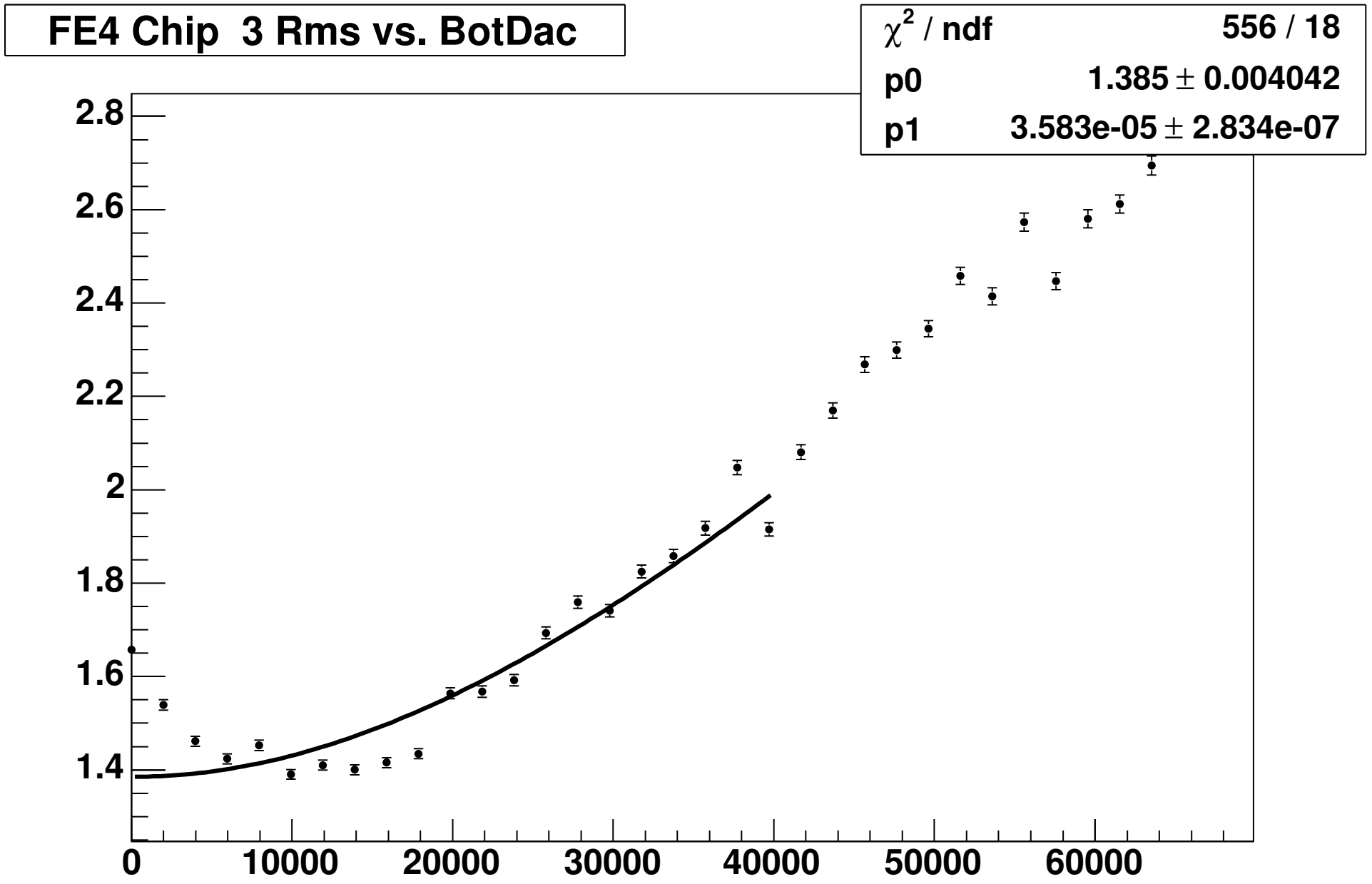
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 556 / 18
p0 1.385 ± 0.004042
p1 3.583e-05 ± 2.834e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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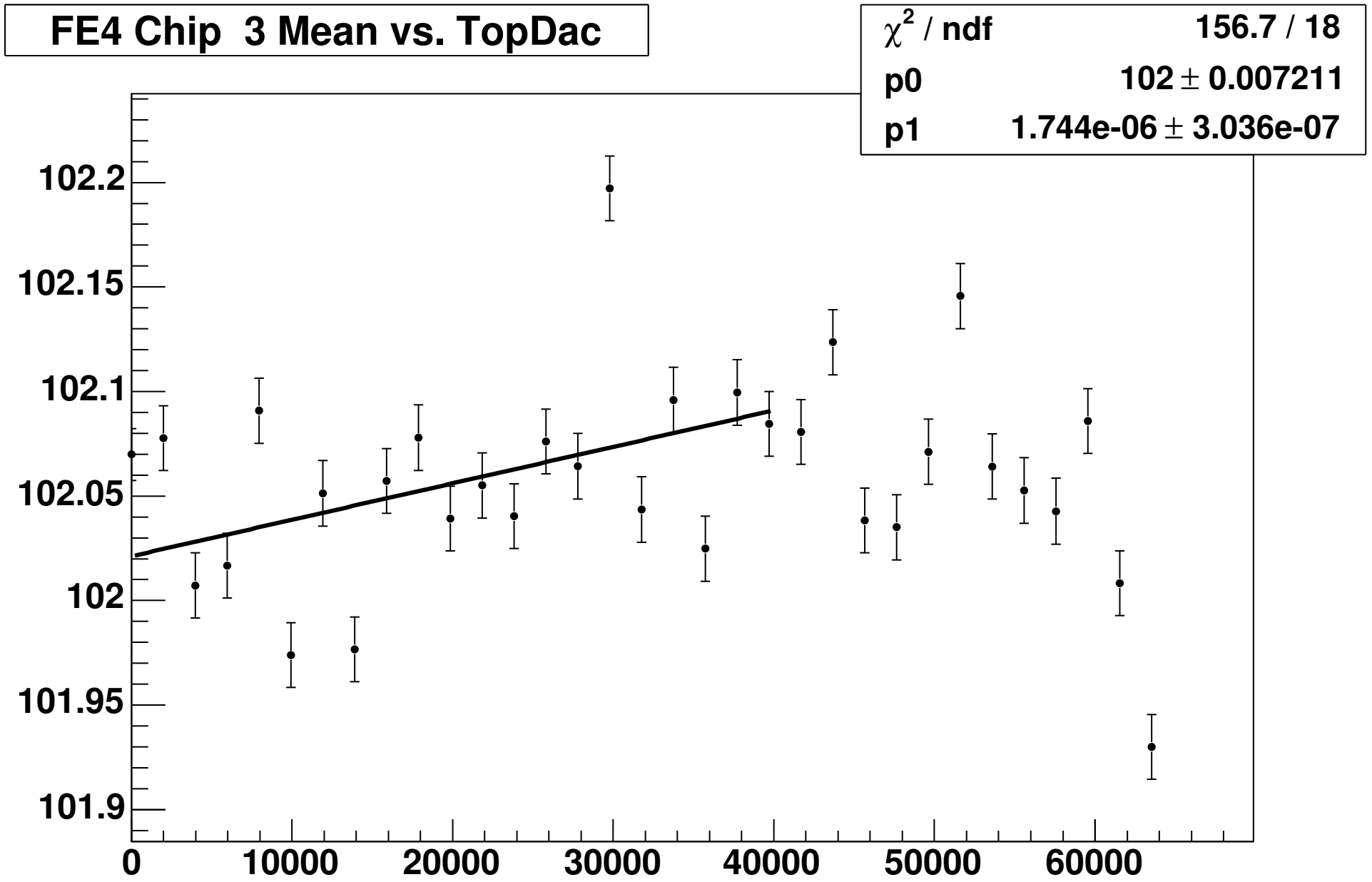
40000
50000
60000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 156.7 / 18
p0 102 ± 0.007211
p1 1.744e-06 ± 3.036e-07
102.2
102.15
102.1
102.05
102
101.95
101.9
0
10000
20000
30000
40000
50000
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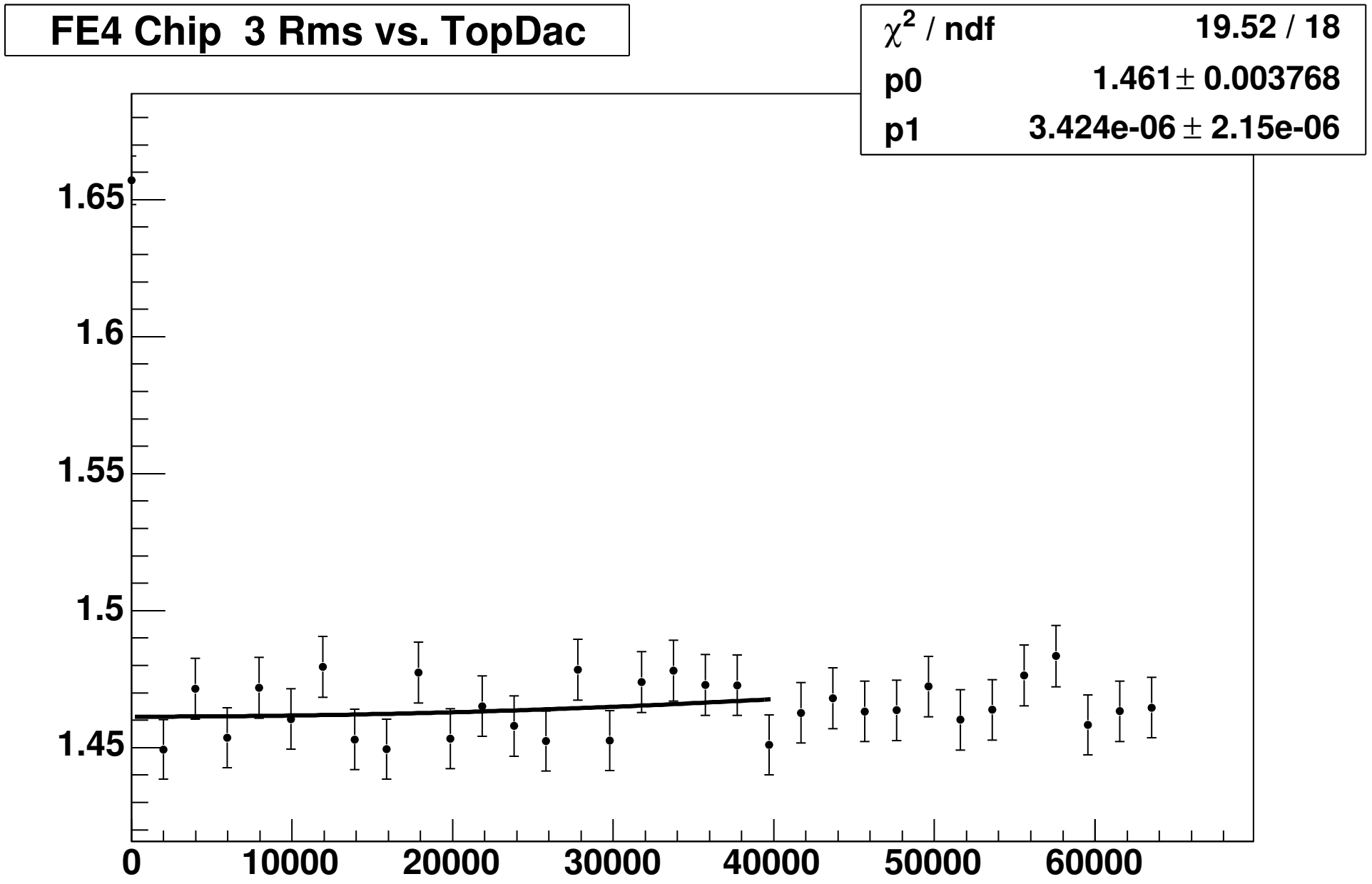
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 19.52 / 18
p0 1.461 ± 0.003768
p1 3.424e-06 ± 2.15e-06
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1.6
1.55
1.5
1.45
0
10000
20000
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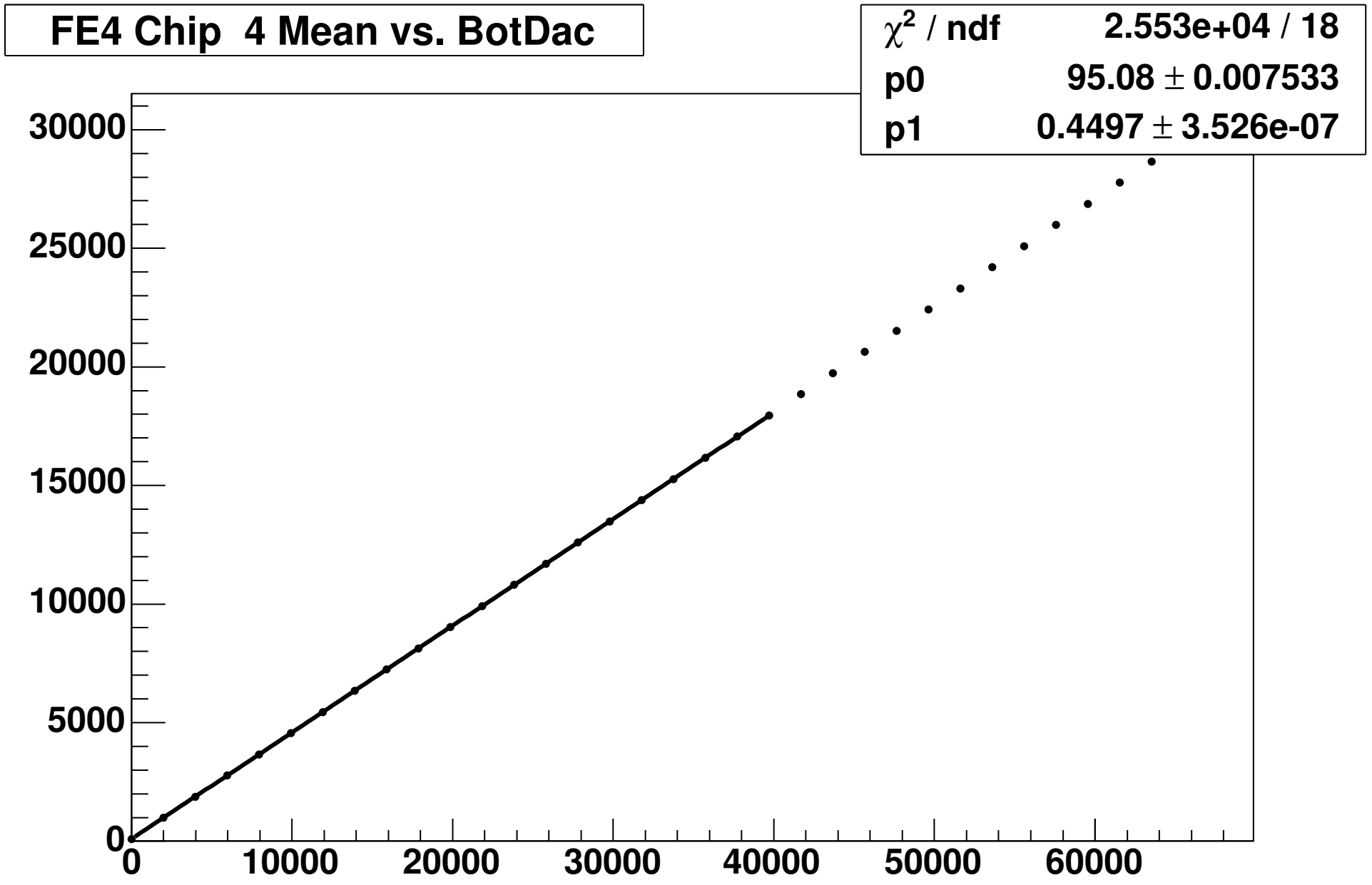
40000
50000
60000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 2.553e+04 / 18
p0 95.08 ± 0.007533
p1 0.4497 ± 3.526e-07
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25000
20000
15000
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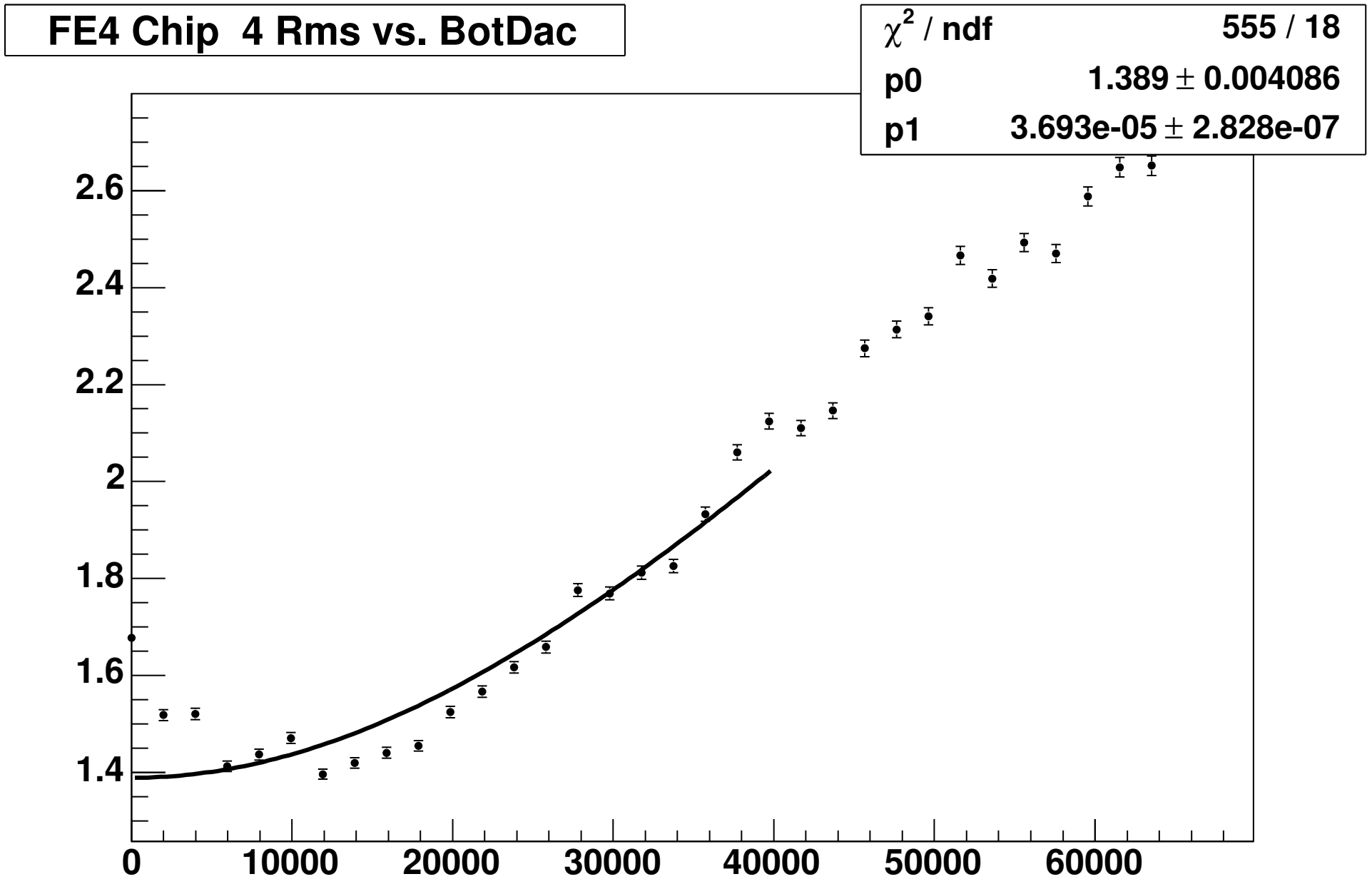
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 555 / 18
p0 1.389 ± 0.004086
p1 3.693e-05 ± 2.828e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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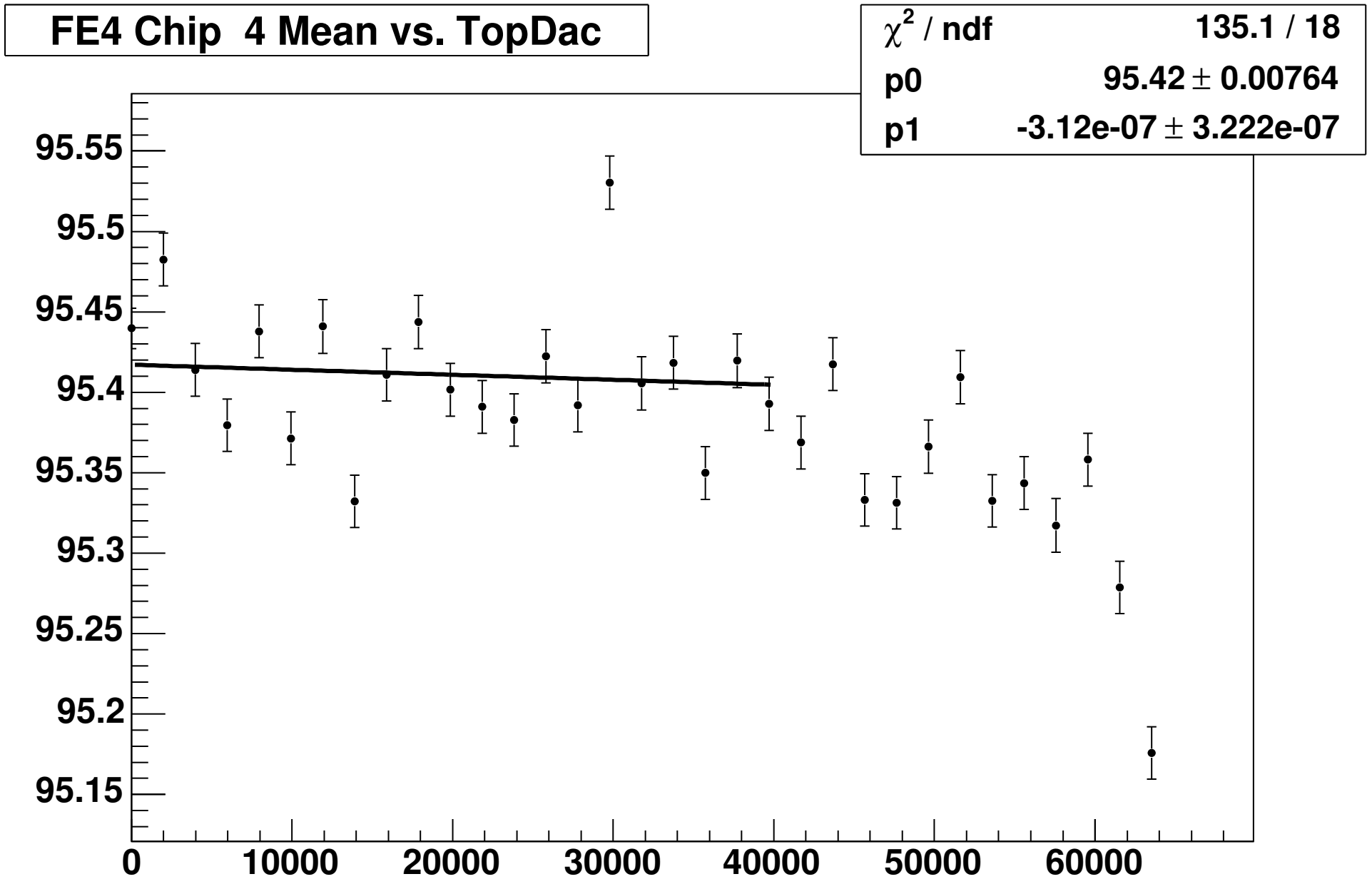
40000
50000
60000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 135.1 / 18
p0 95.42 ± 0.00764
p1 -3.12e-07 ± 3.222e-07
95.55
95.5
95.45
95.4
95.35
95.3
95.25
95.2
95.15
0
10000
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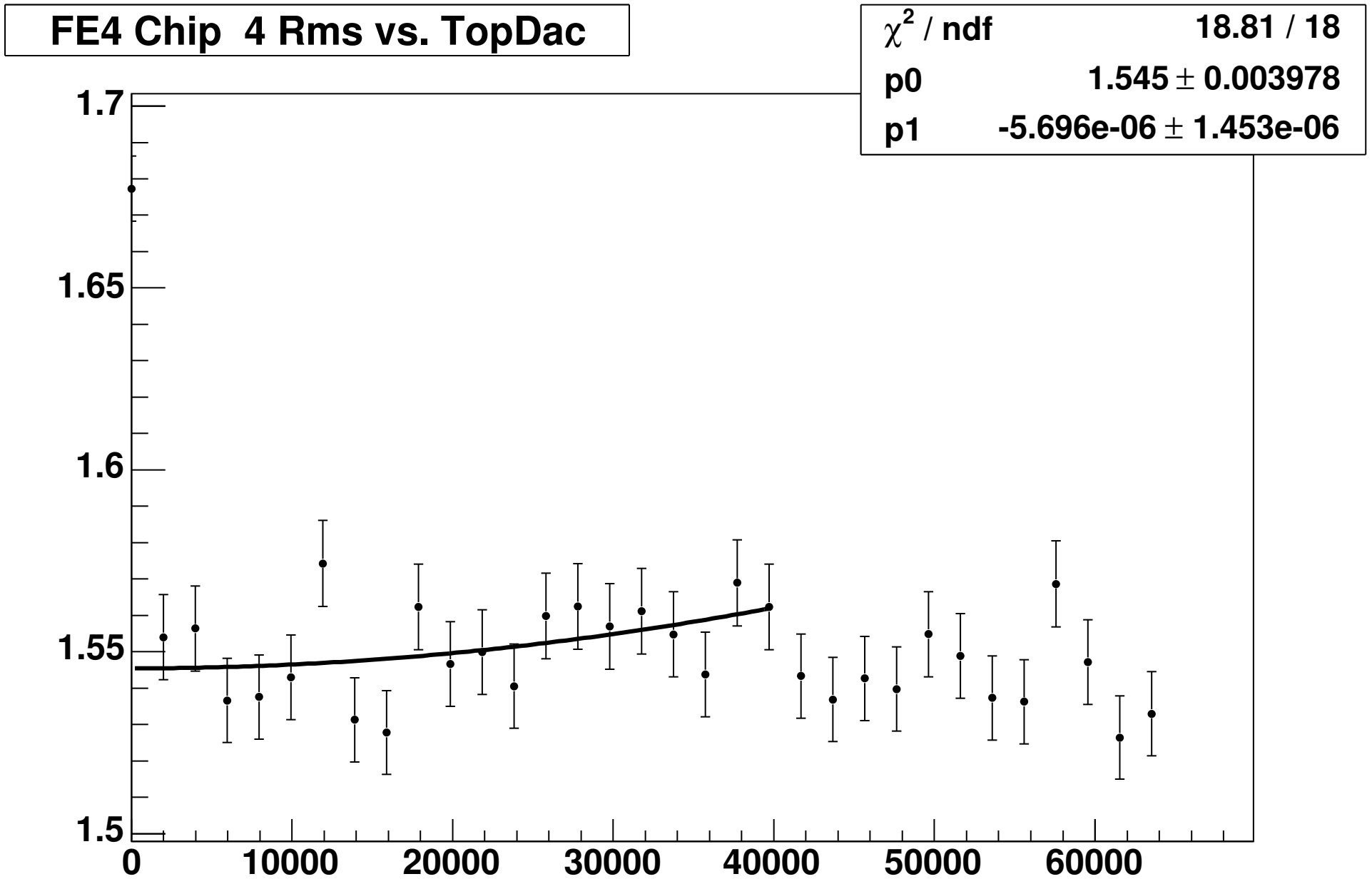
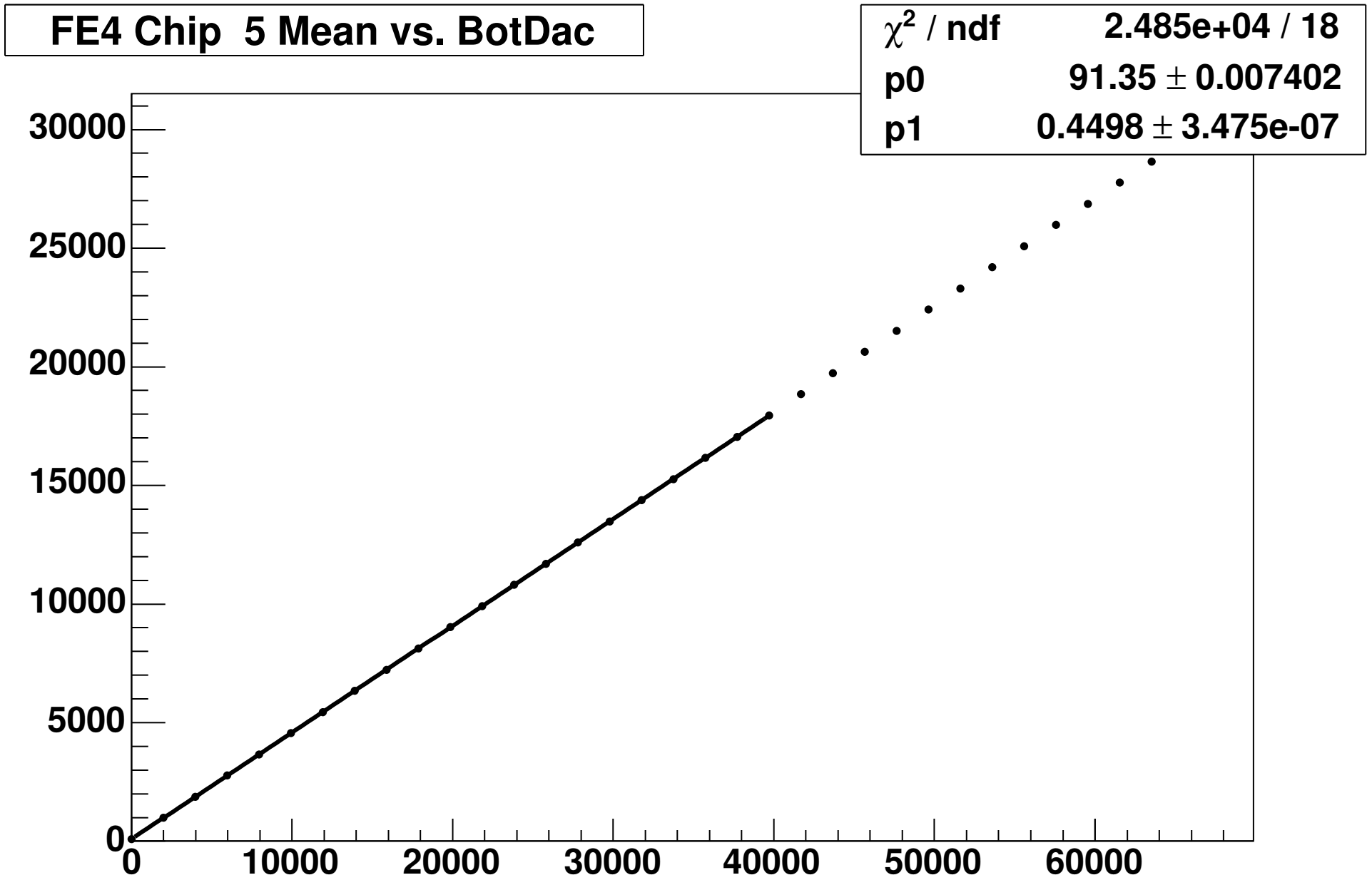
40000
50000
60000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 18.81 / 18
p0 1.545 ± 0.003978
p1 -5.696e-06 ± 1.453e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 2.485e+04 / 18
p0 91.35 ± 0.007402
p1 0.4498 ± 3.475e-07
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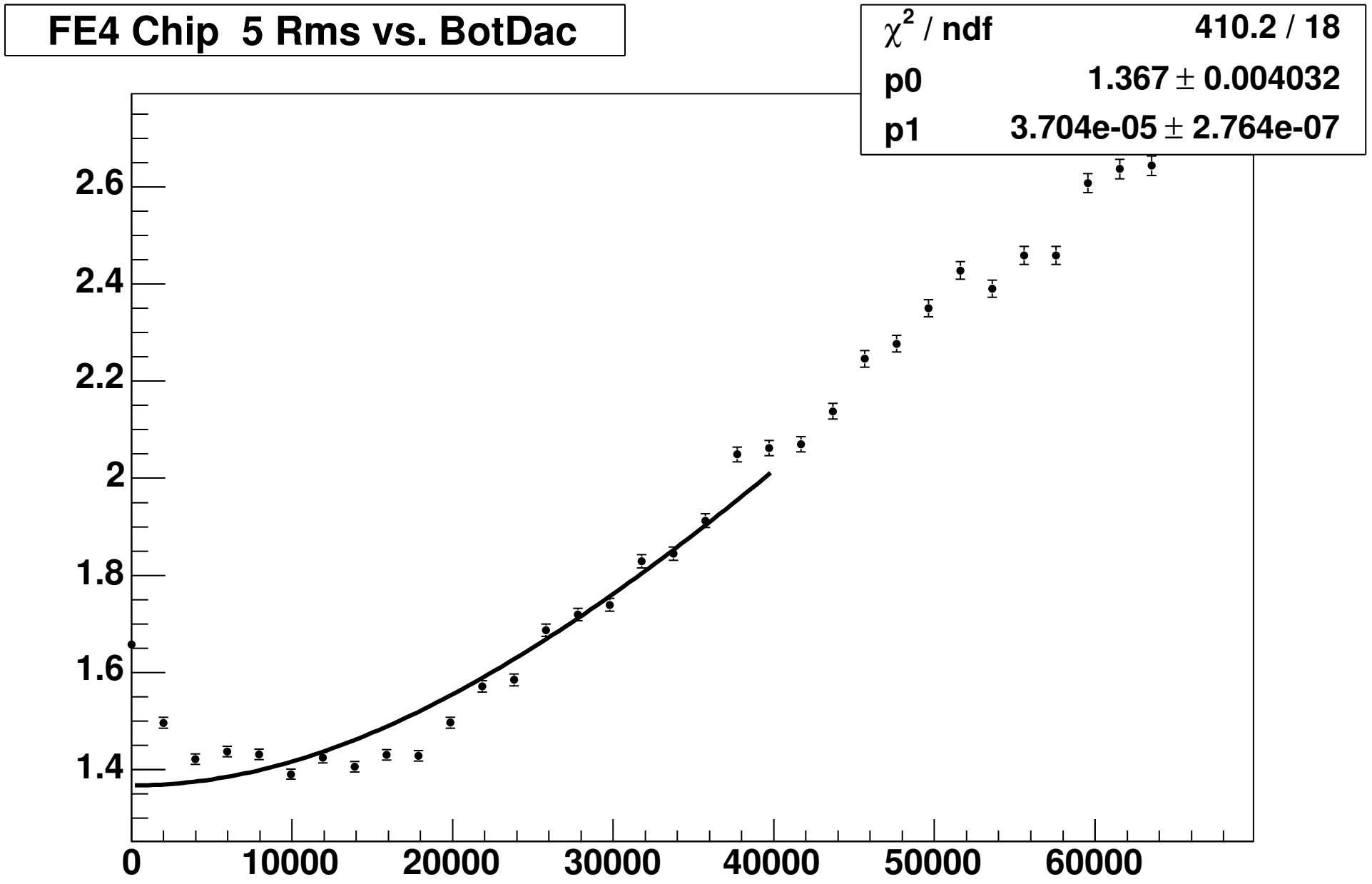
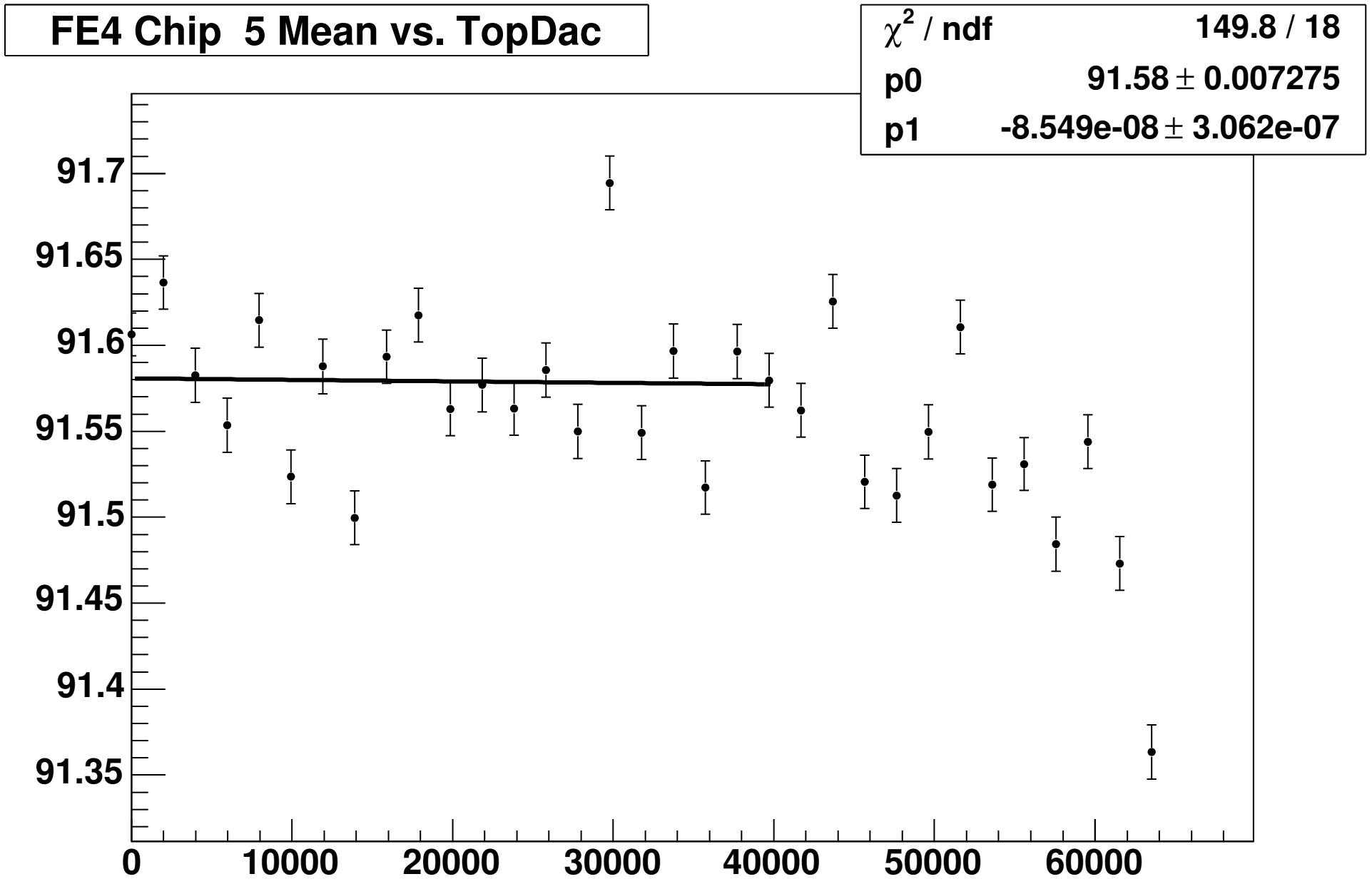
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 410.2 / 18
p0 1.367 ± 0.004032
p1 3.704e-05 ± 2.764e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ^2 / ndf 149.8 / 18
p0 91.58 ± 0.007275
p1 -8.549e-08 ± 3.062e-07
91.7
91.65
91.6
91.55
91.5
91.45
91.4
91.35
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10000
20000
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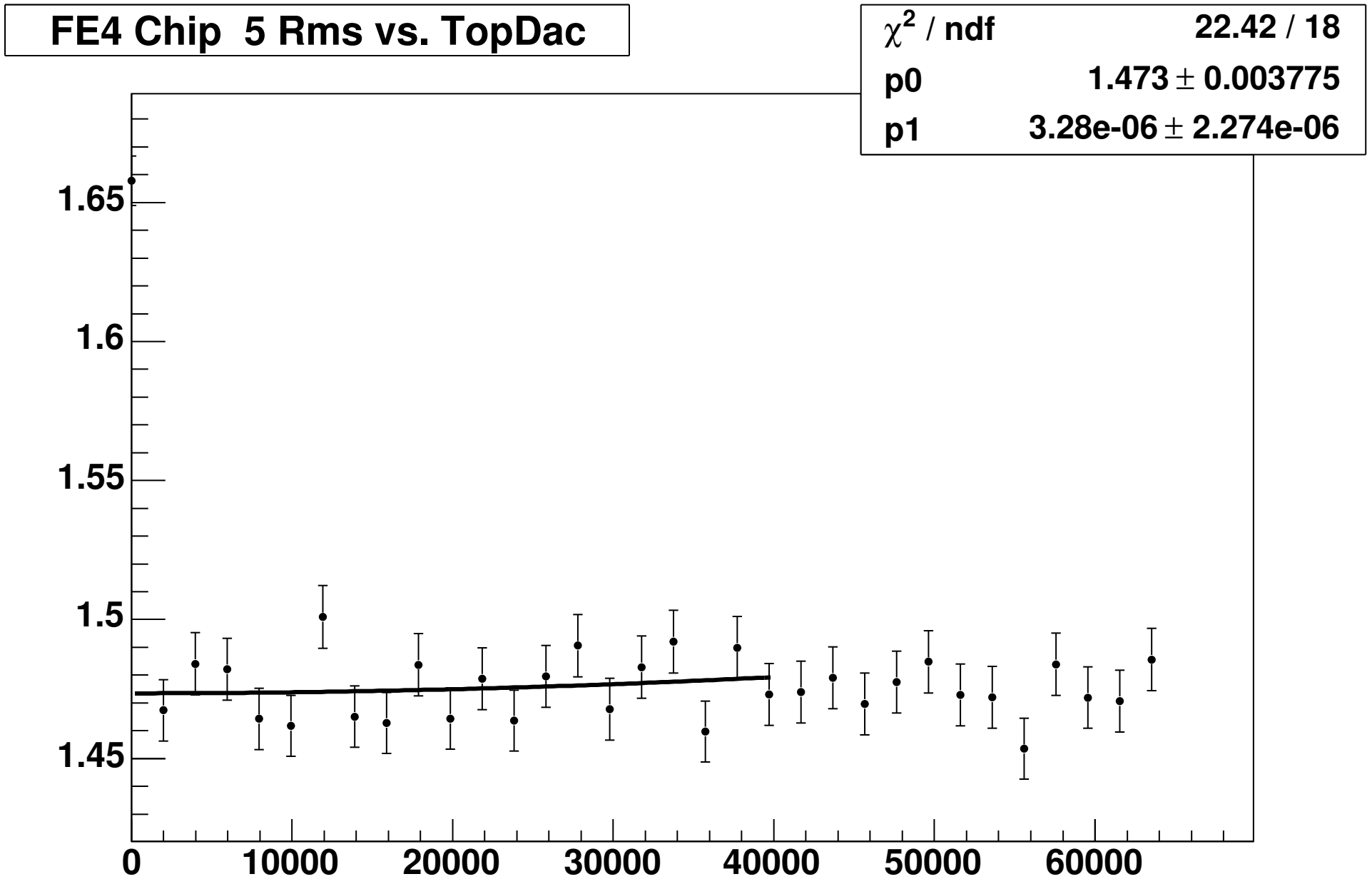
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 22.42 / 18
p0 1.473 ± 0.003775
p1 3.28e-06 ± 2.274e-06
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1.6
1.55
1.5
1.45
0
10000
20000
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40000
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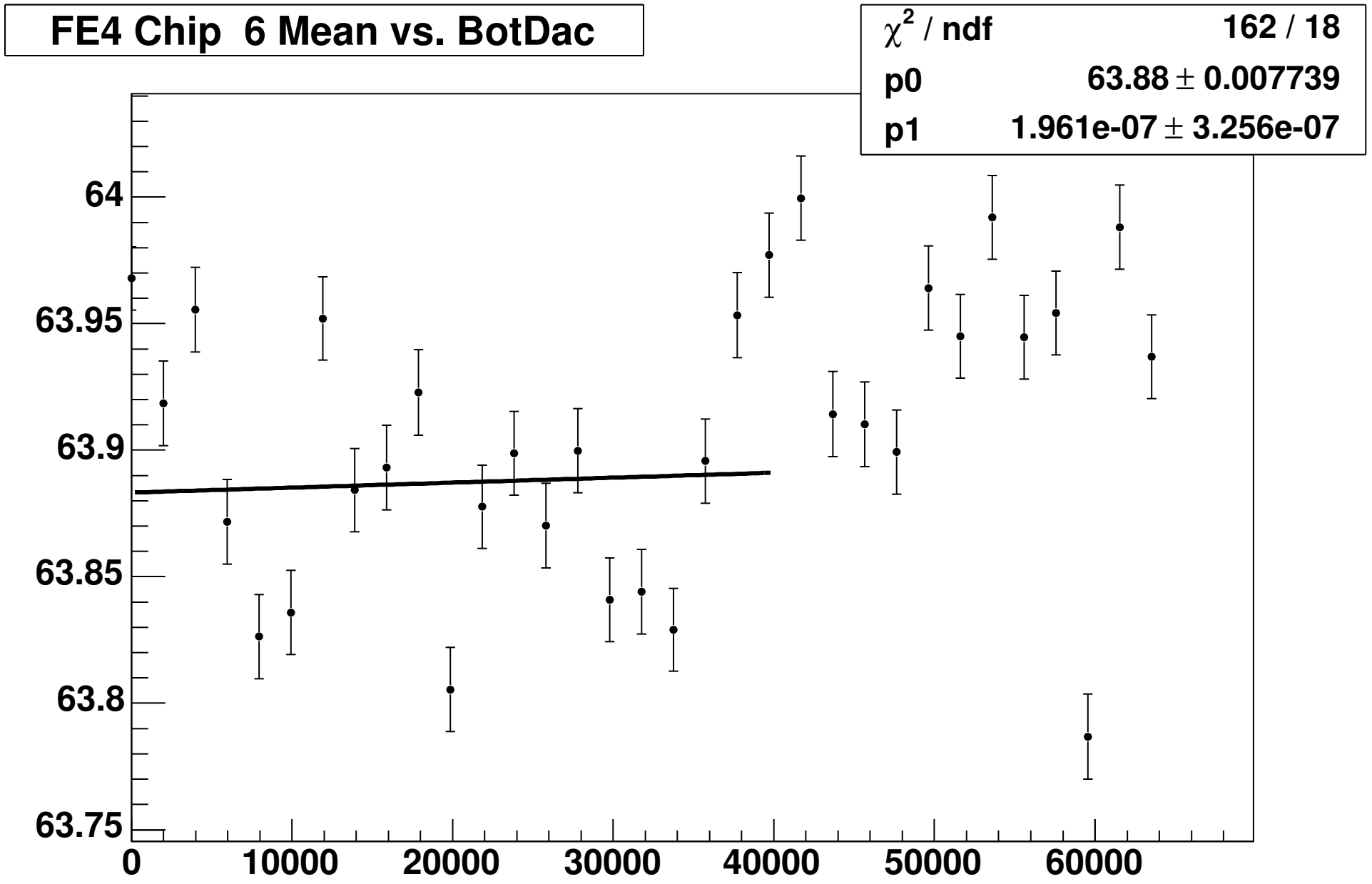
60000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 162 / 18
p0 63.88 ± 0.007739
p1 1.961e-07 ± 3.256e-07
64
63.95
63.9
63.85
63.8
63.75
0
10000
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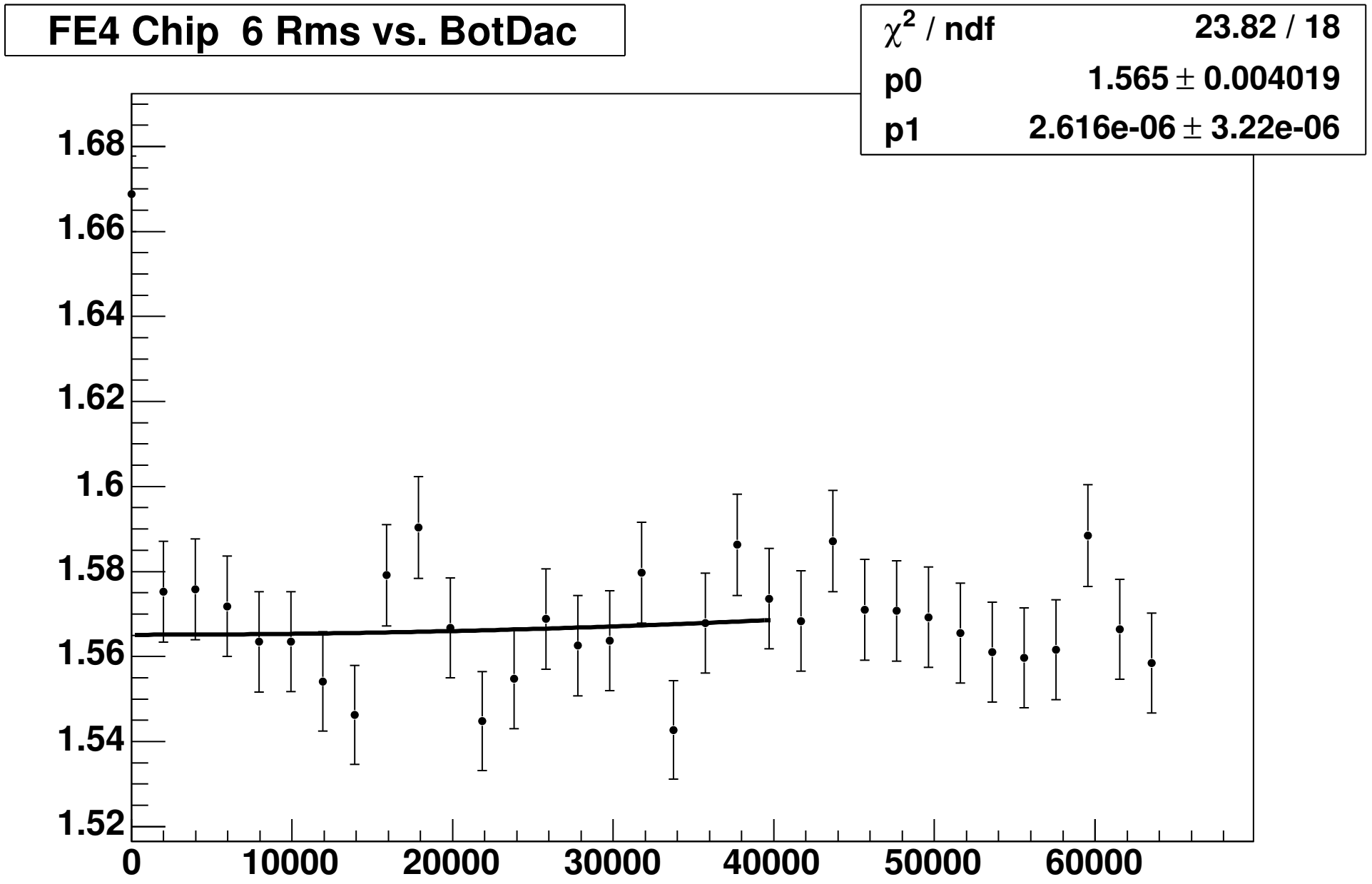
30000
40000
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 23.82 / 18
p0 1.565 ± 0.004019
p1 2.616e-06 ± 3.22e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
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30000
40000
50000
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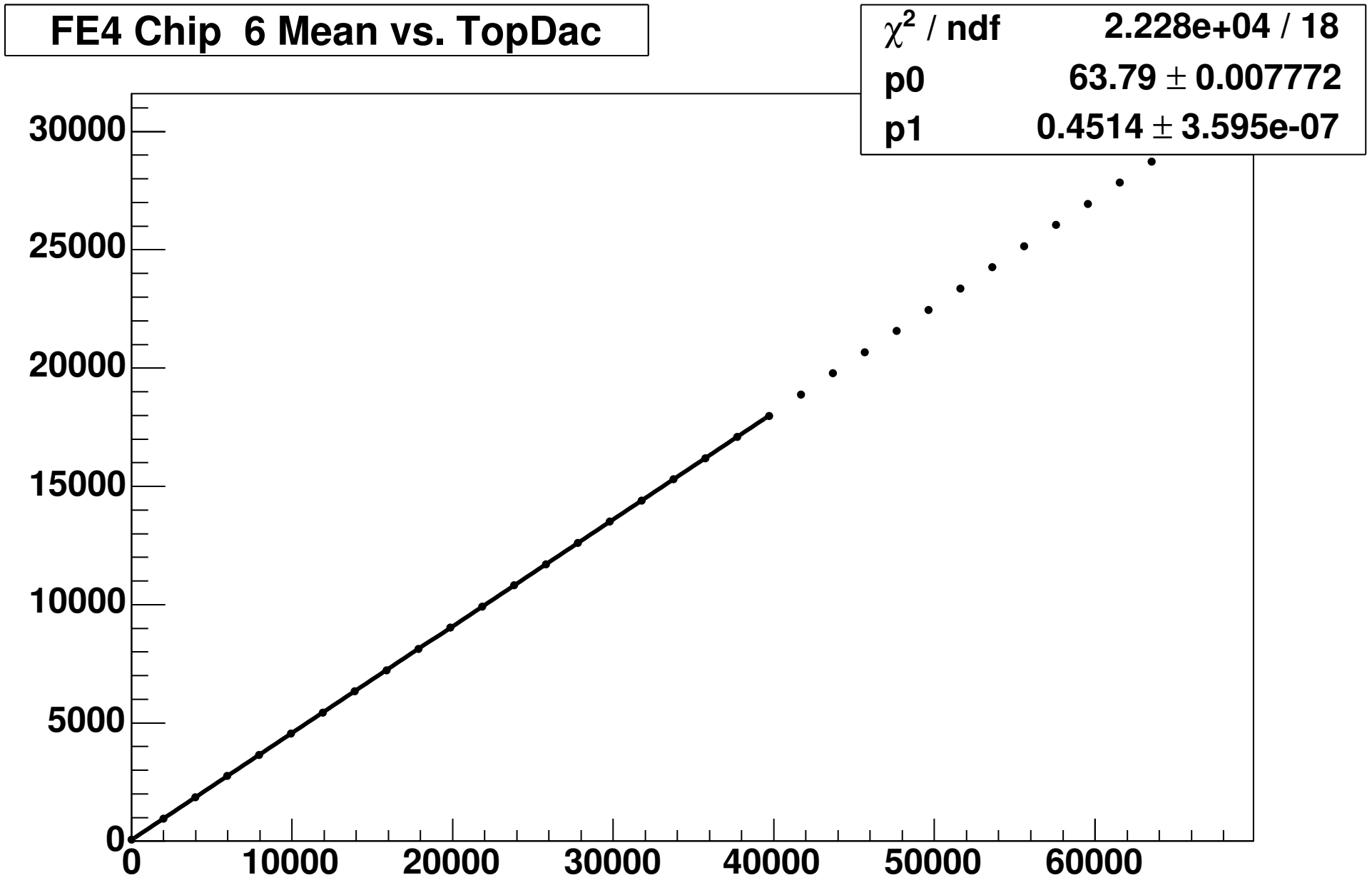
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 2.228e+04 / 18
p0 63.79 ± 0.007772
p1 0.4514 ± 3.595e-07
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25000
20000
15000
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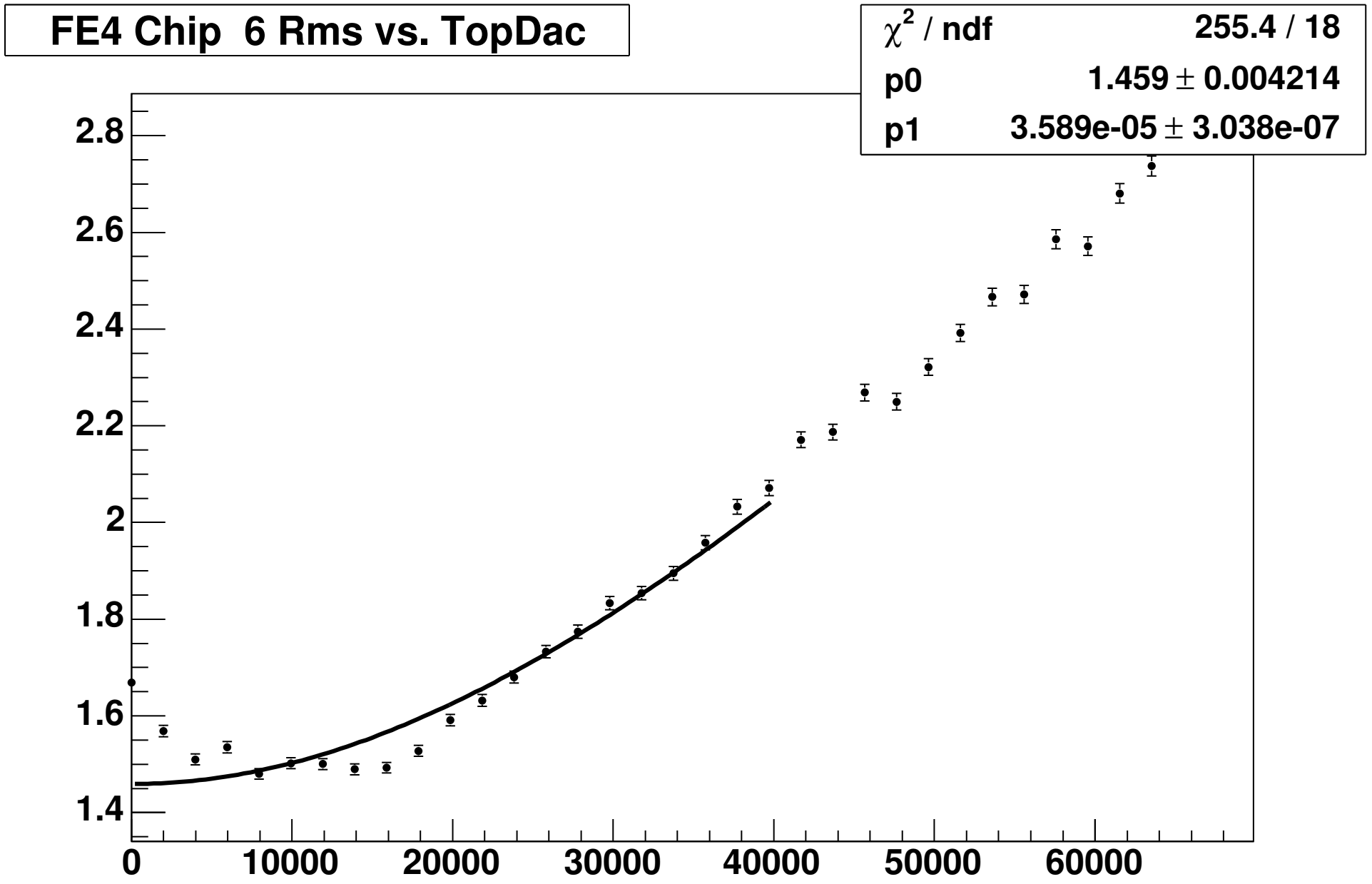
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 255.4 / 18
p0 1.459 ± 0.004214
p1 3.589e-05 ± 3.038e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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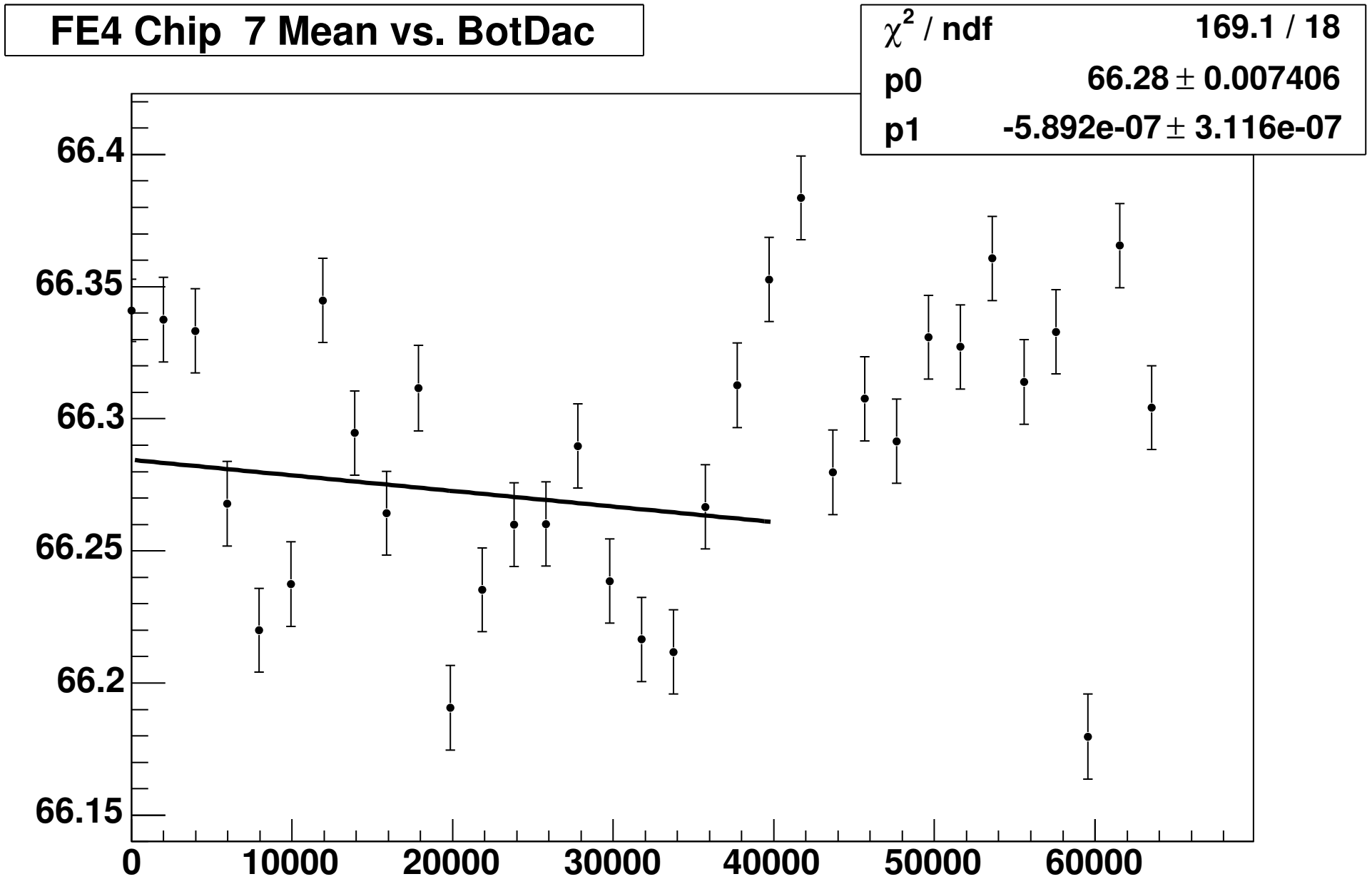
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 169.1 / 18
p0 66.28 ± 0.007406
p1 -5.892e-07 ± 3.116e-07
66.4
66.35
66.3
66.25
66.2
66.15
0
10000
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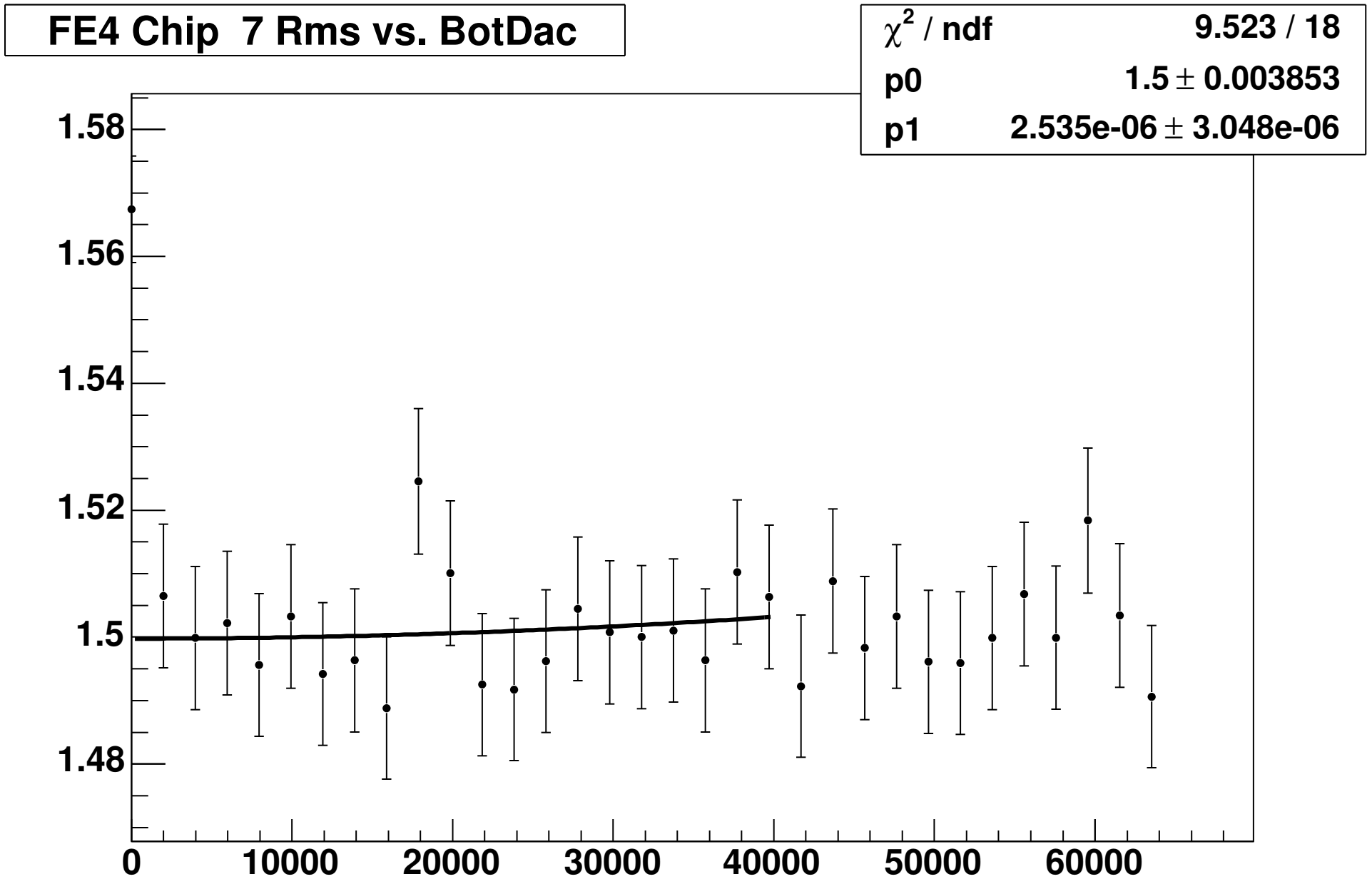
50000
60000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 9.523 / 18
p0 1.5 ± 0.003853
p1 2.535e-06 ± 3.048e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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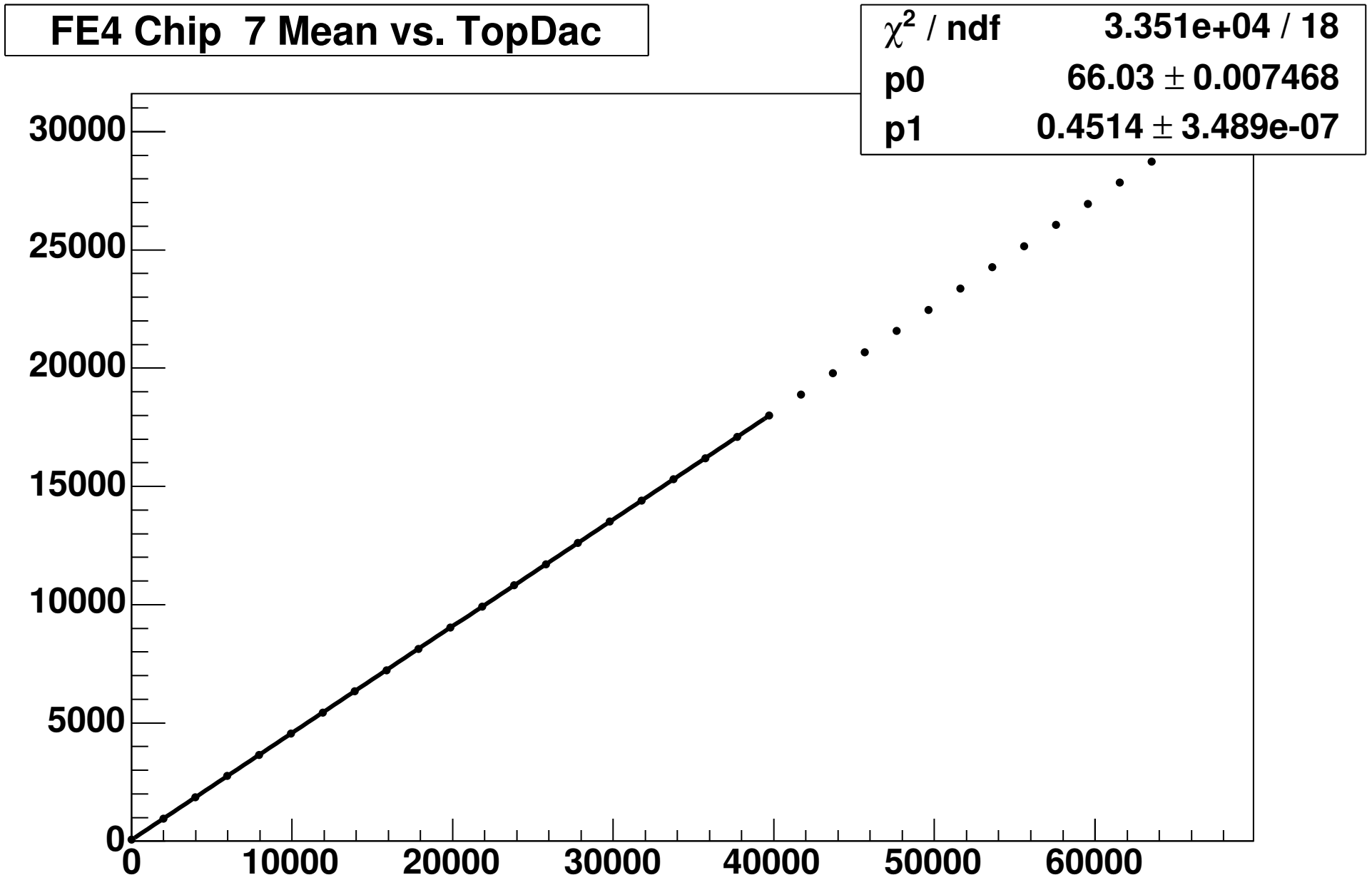
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 3.351e+04 / 18
p0 66.03 ± 0.007468
p1 0.4514 ± 3.489e-07
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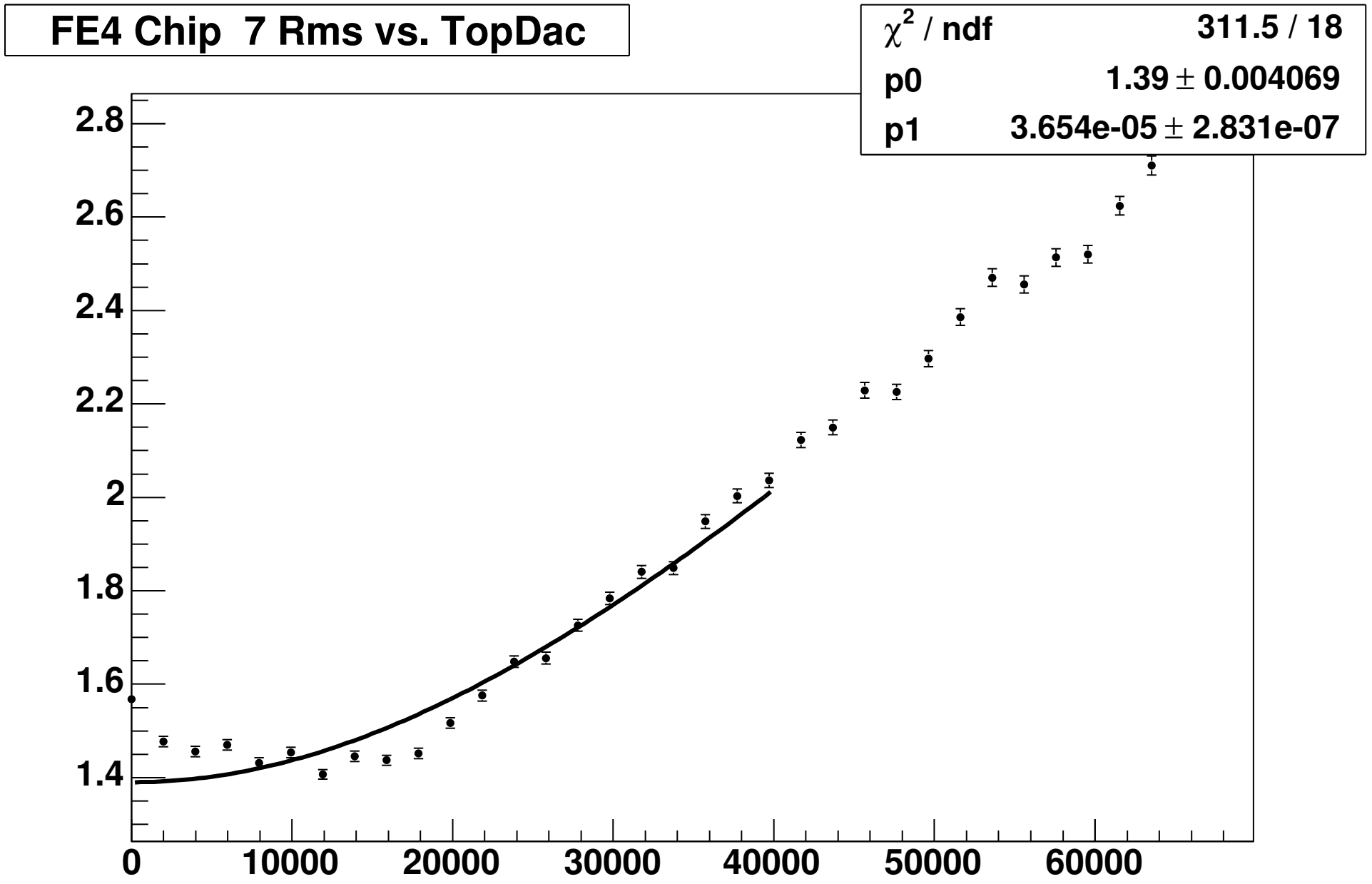
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 311.5 / 18
p0 1.39 ± 0.004069
p1 3.654e-05 ± 2.831e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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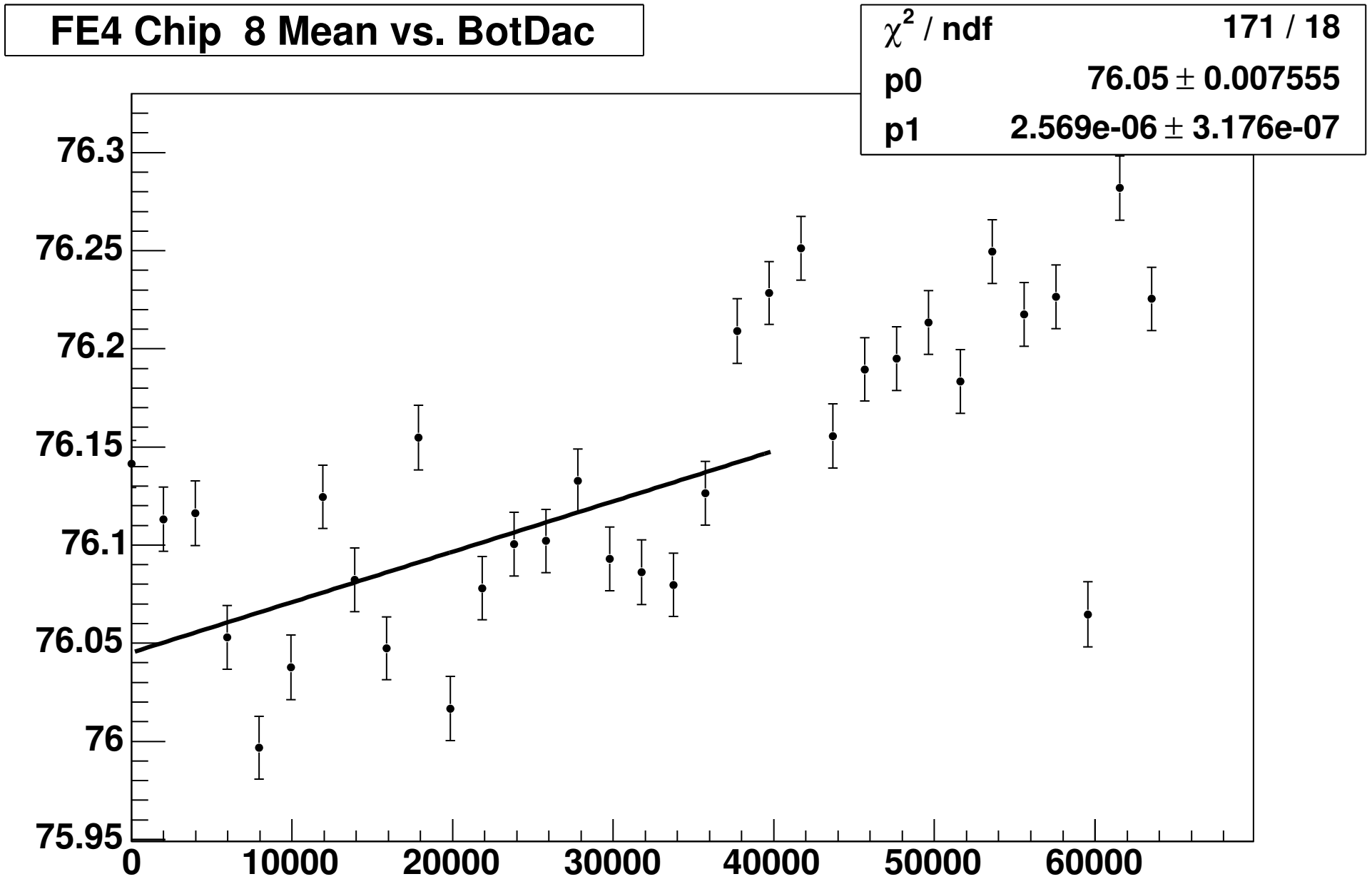
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 171 / 18
p0 76.05 ± 0.007555
p1 2.569e-06 ± 3.176e-07
76.3
76.25
76.2
76.15
76.1
76.05
76
75.95
0
10000
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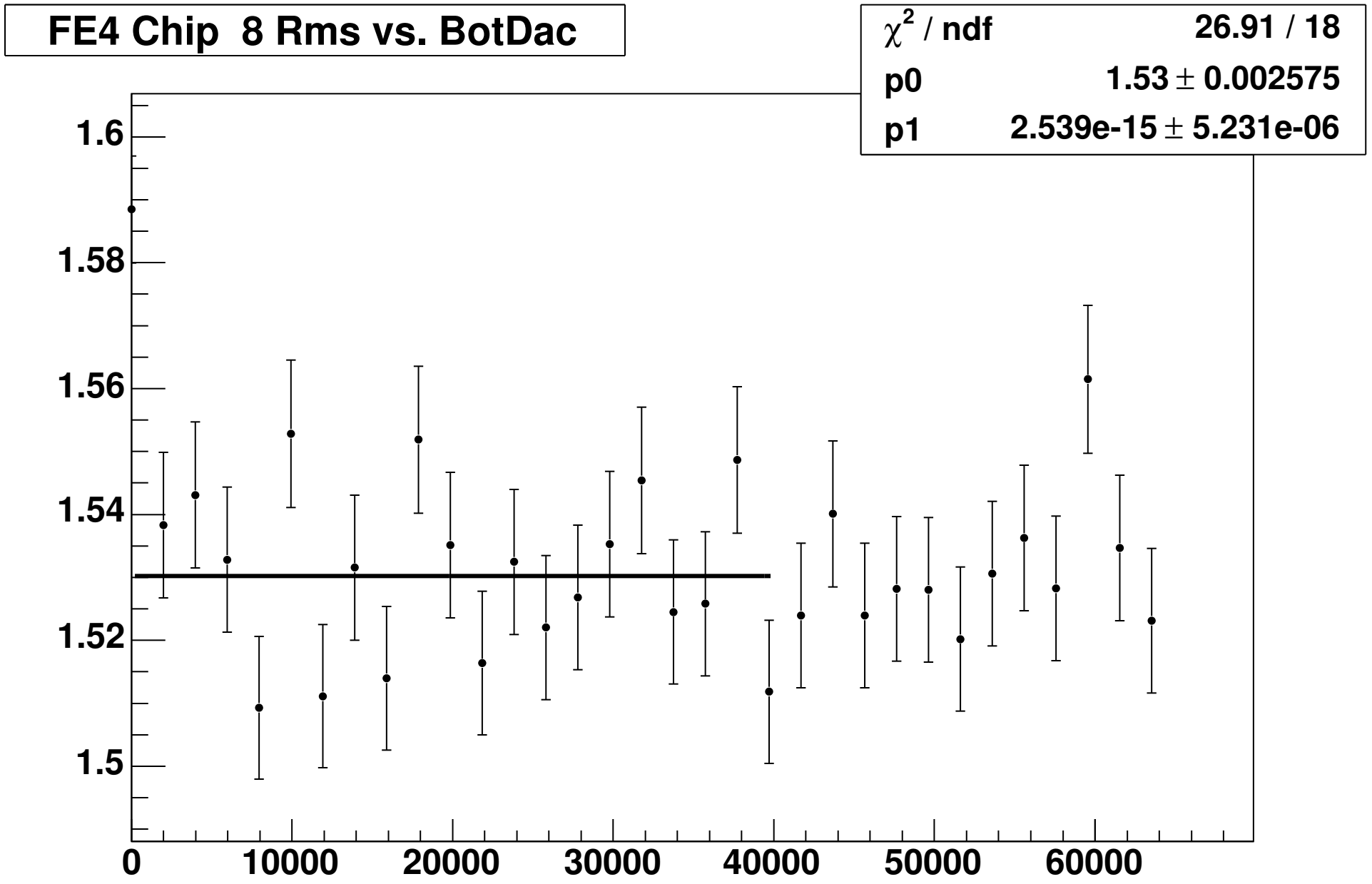
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 26.91 / 18
p0 1.53 ± 0.002575
p1 2.539e-15 ± 5.231e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
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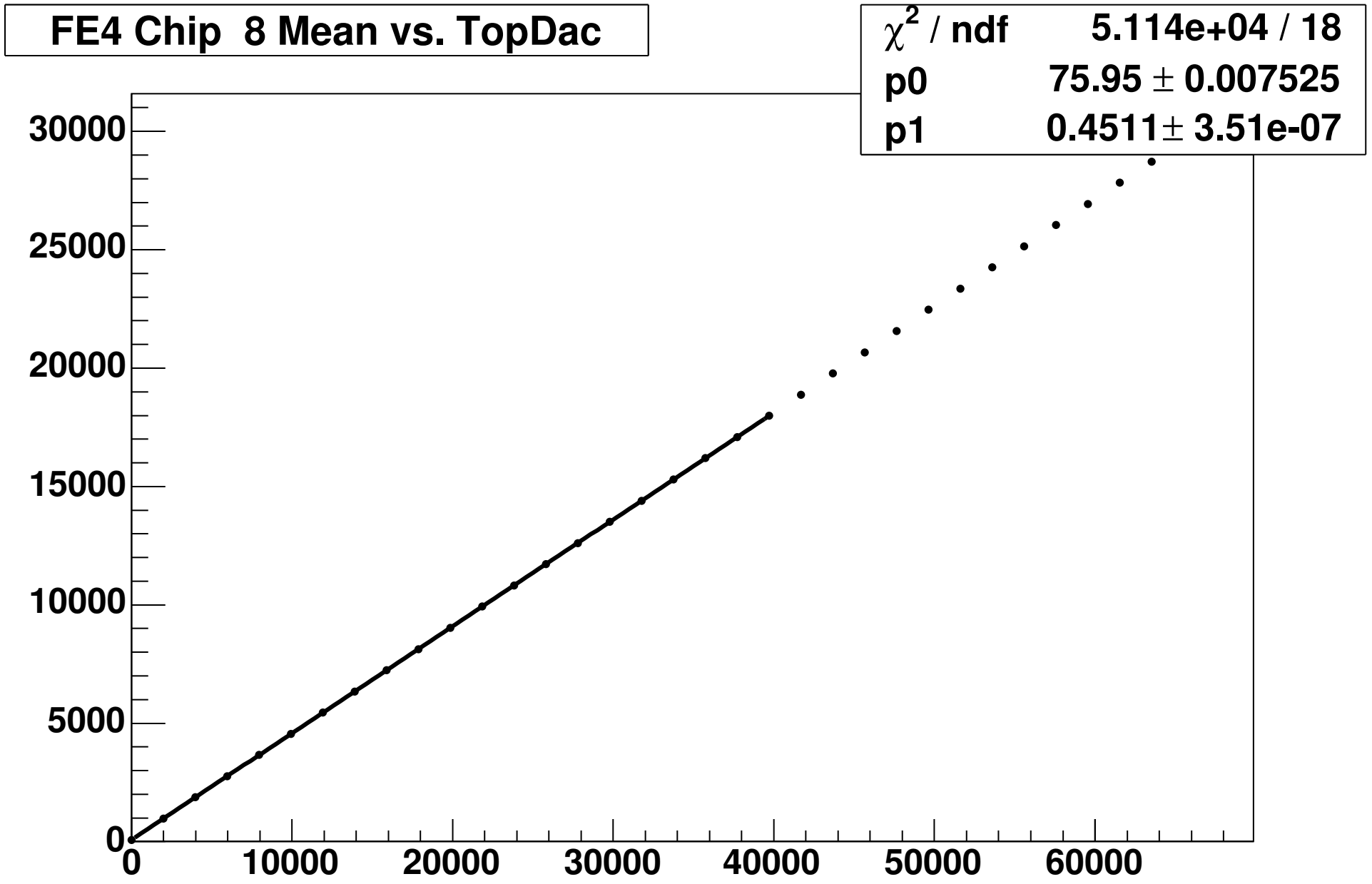
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 5.114e+04 / 18
p0 75.95 ± 0.007525
p1 0.4511 ± 3.51e-07
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0
0
10000
20000
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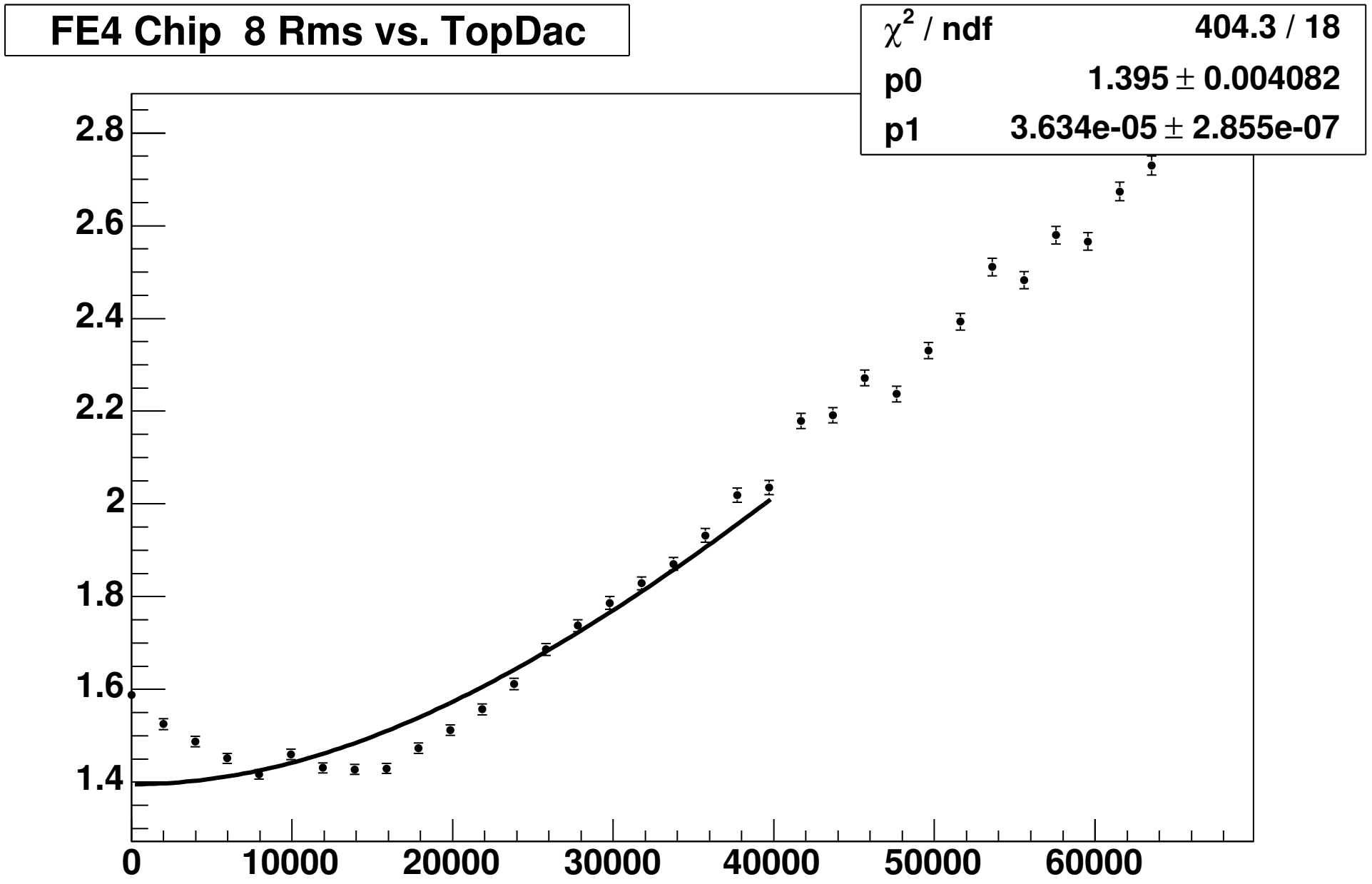
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 404.3 / 18
p0 1.395 ± 0.004082
p1 3.634e-05 ± 2.855e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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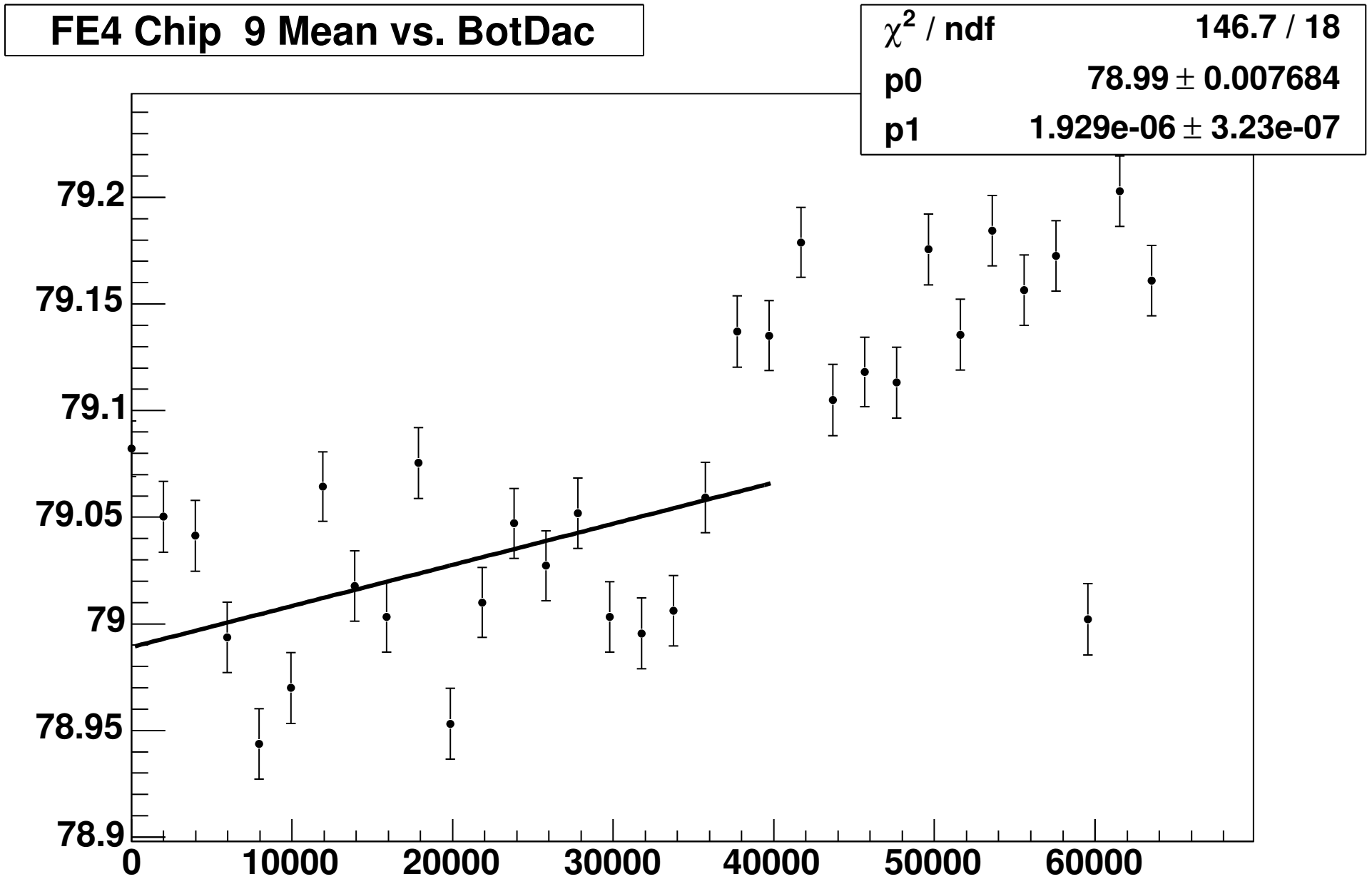
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 146.7 / 18
p0 78.99 ± 0.007684
p1 1.929e-06 ± 3.23e-07
79.2
79.15
79.1
79.05
79
78.95
78.9
0
10000
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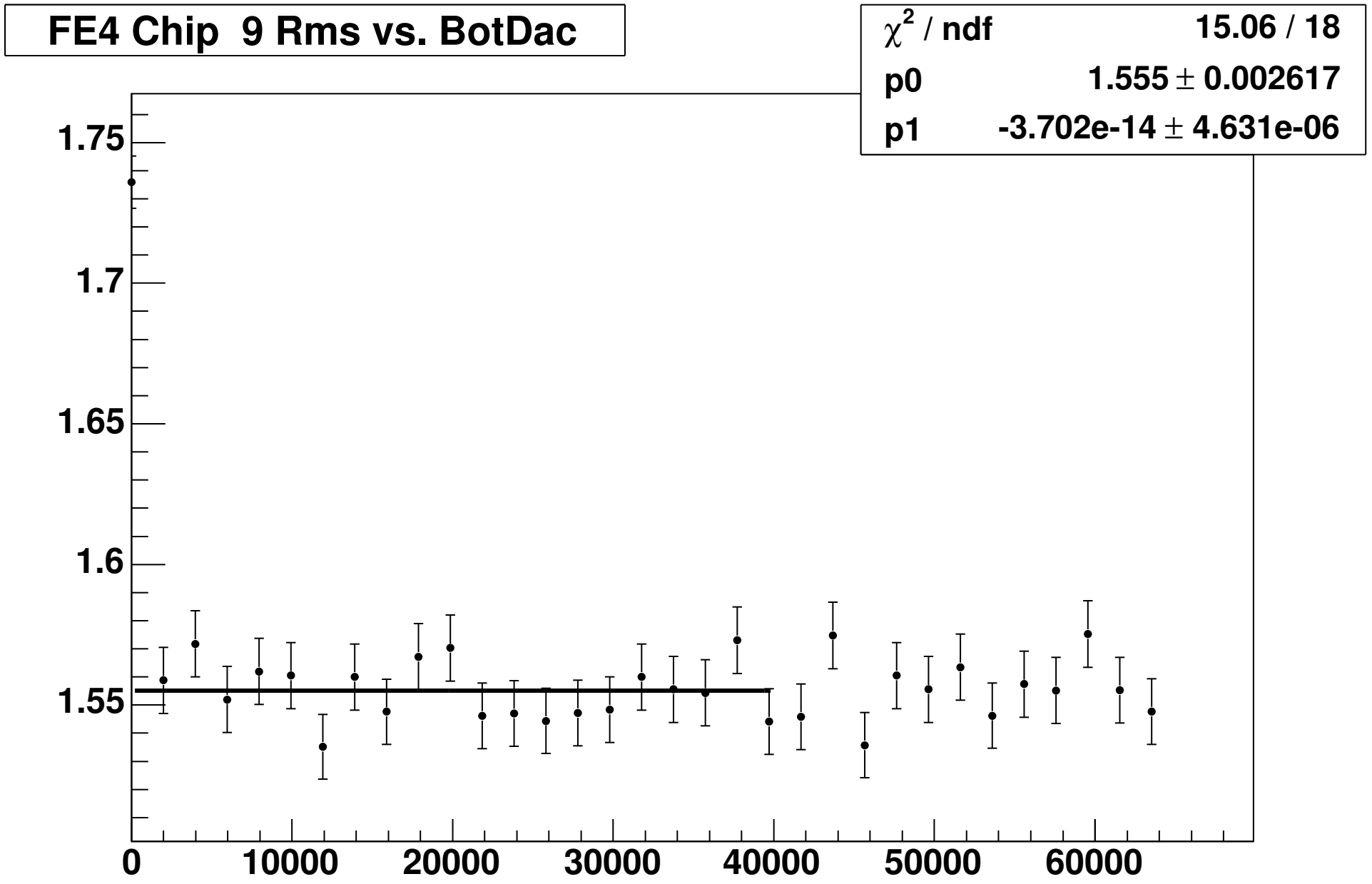
30000
40000
50000
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 15.06 / 18
p0 1.555 ± 0.002617
p1 -3.702e-14 ± 4.631e-06
1.75
1.7
1.65
1.6
1.55
0
10000
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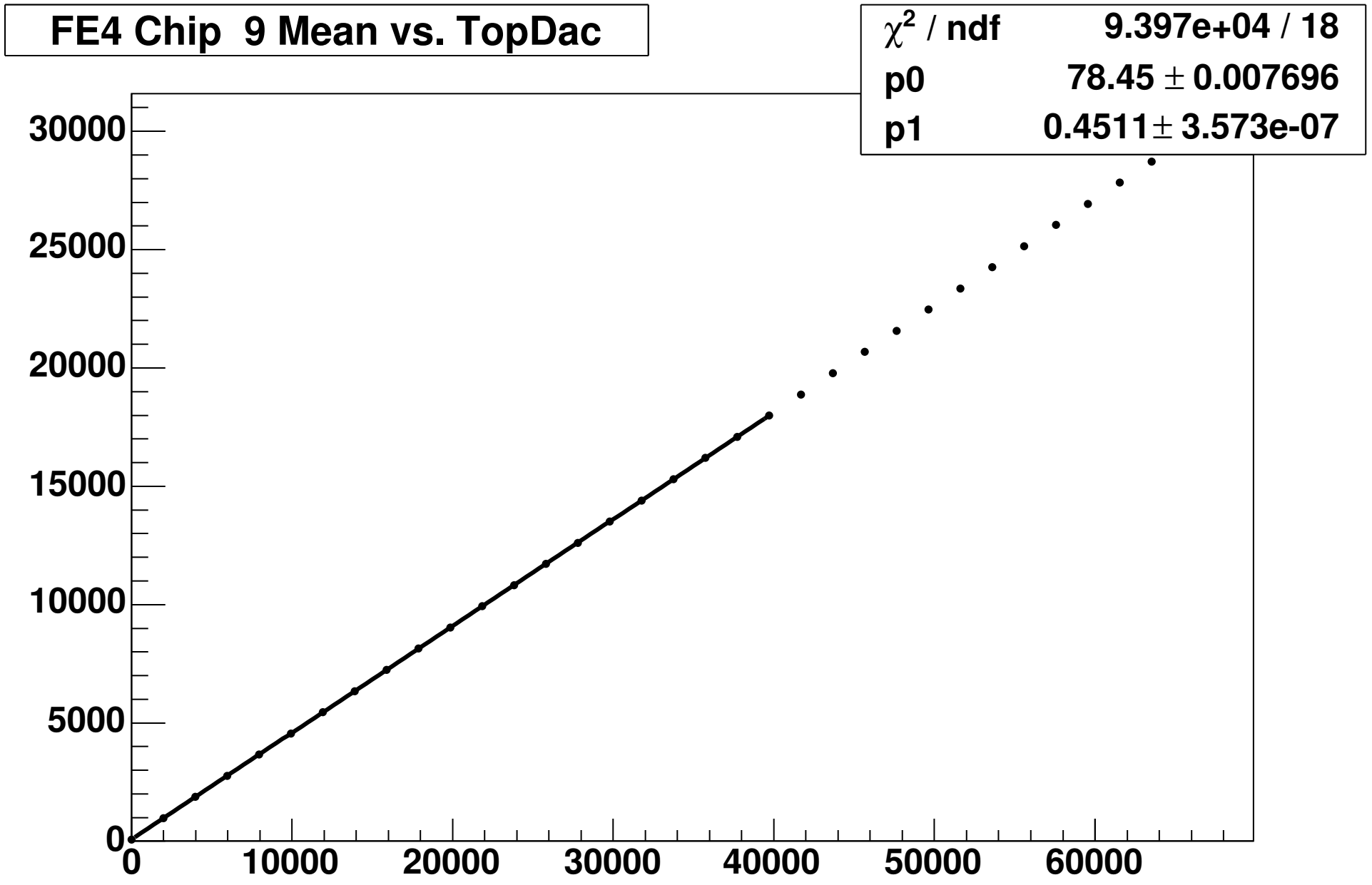
40000
50000
60000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 9.397e+04 / 18
p0 78.45 ± 0.007696
p1 0.4511 ± 3.573e-07
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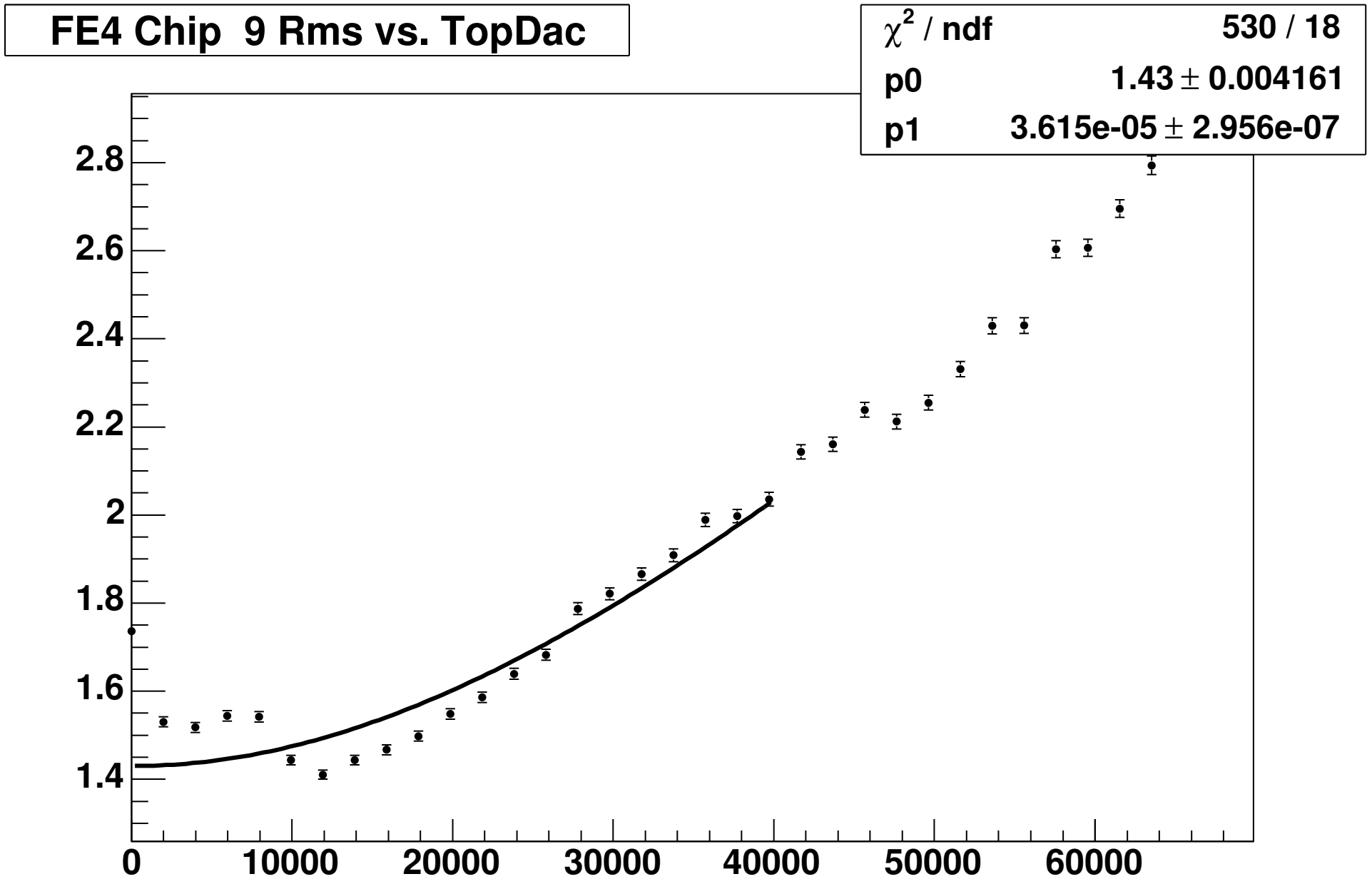
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 530 / 18
p0 1.43 ± 0.004161
p1 3.615e-05 ± 2.956e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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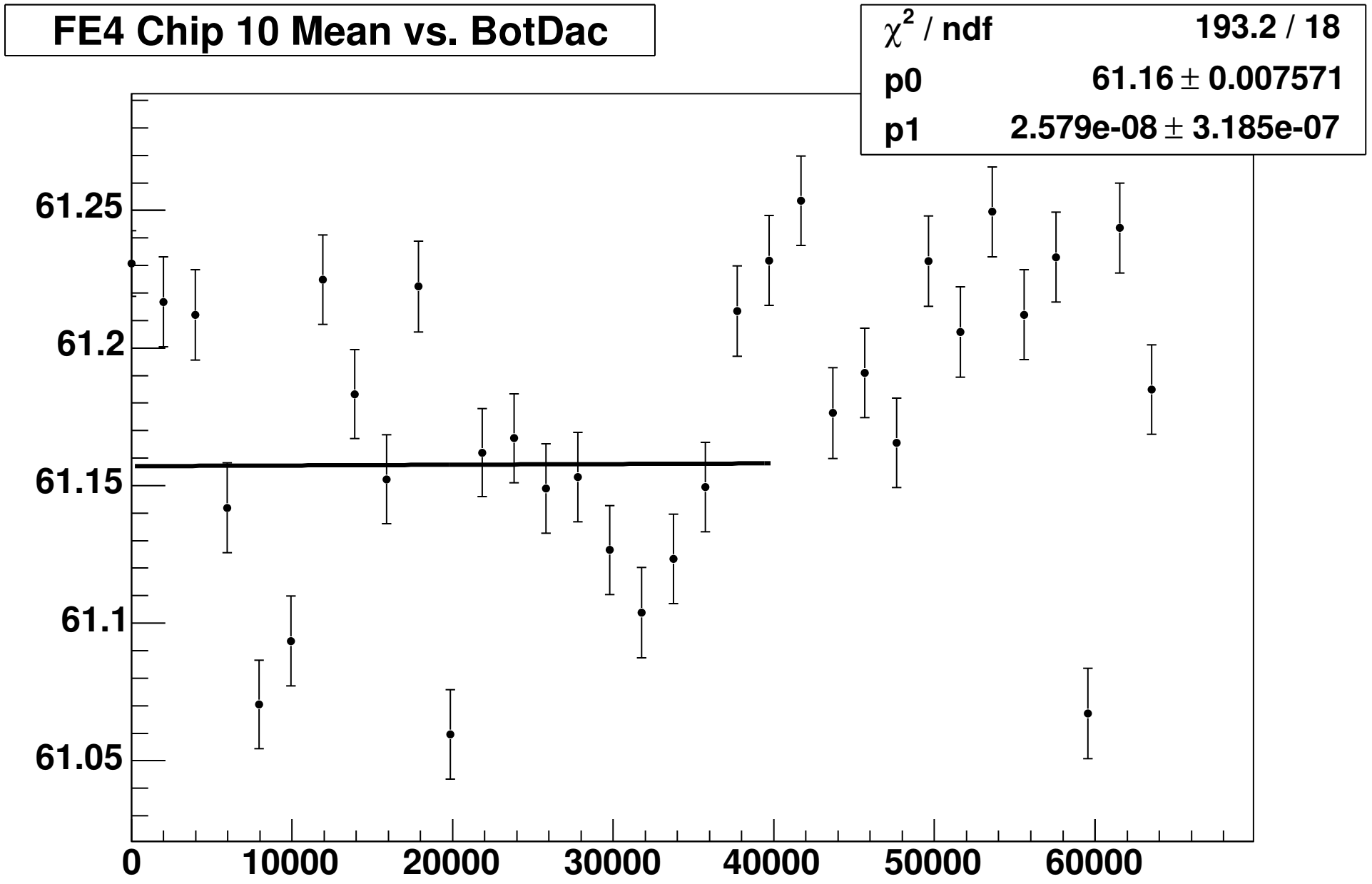
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 193.2 / 18
p0 61.16 ± 0.007571
p1 2.579e-08 ± 3.185e-07
61.25
61.2
61.15
61.1
61.05
0
10000
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40000
50000
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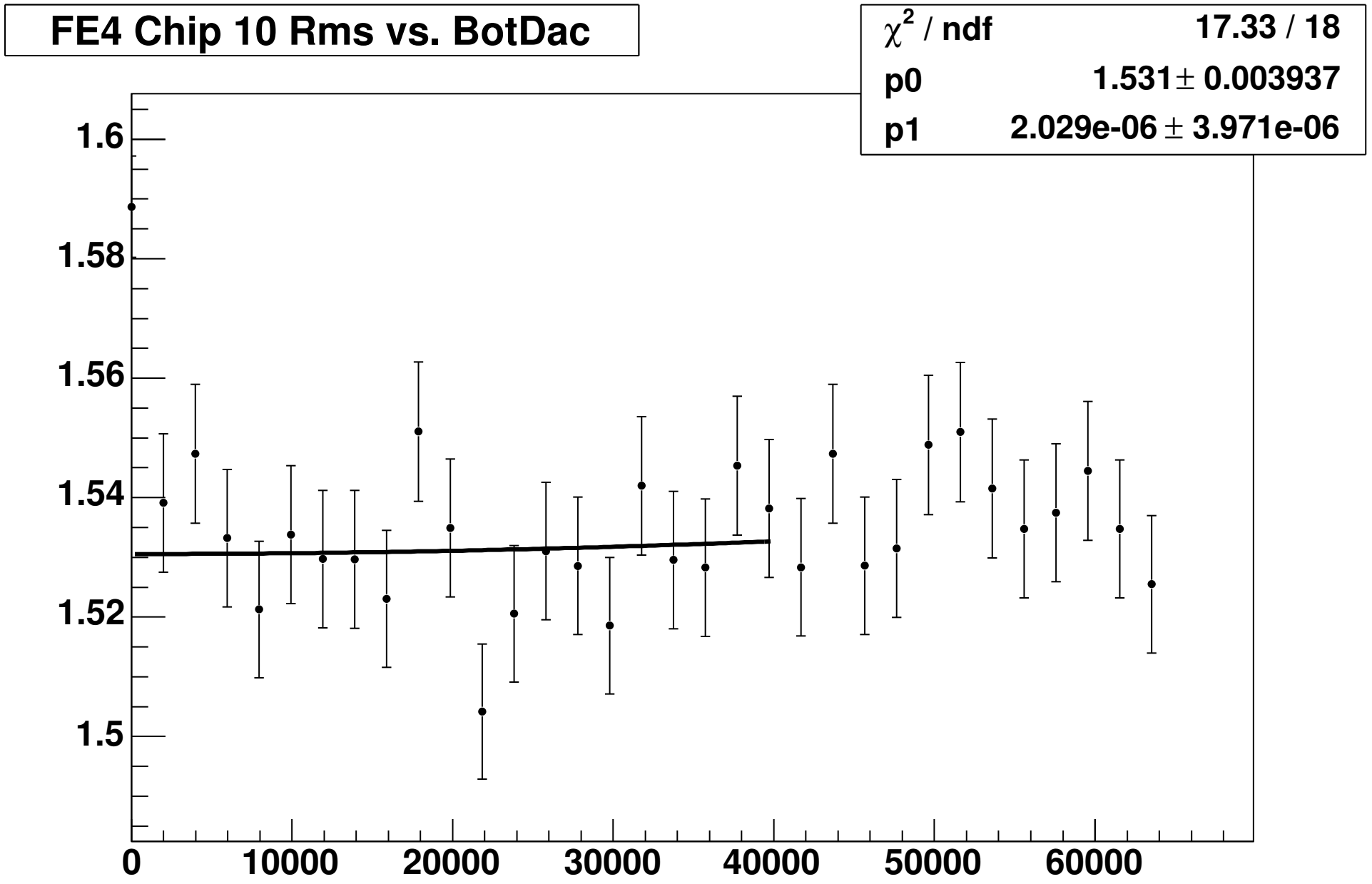
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 17.33 / 18
p0 1.531 ± 0.003937
p1 2.029e-06 ± 3.971e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
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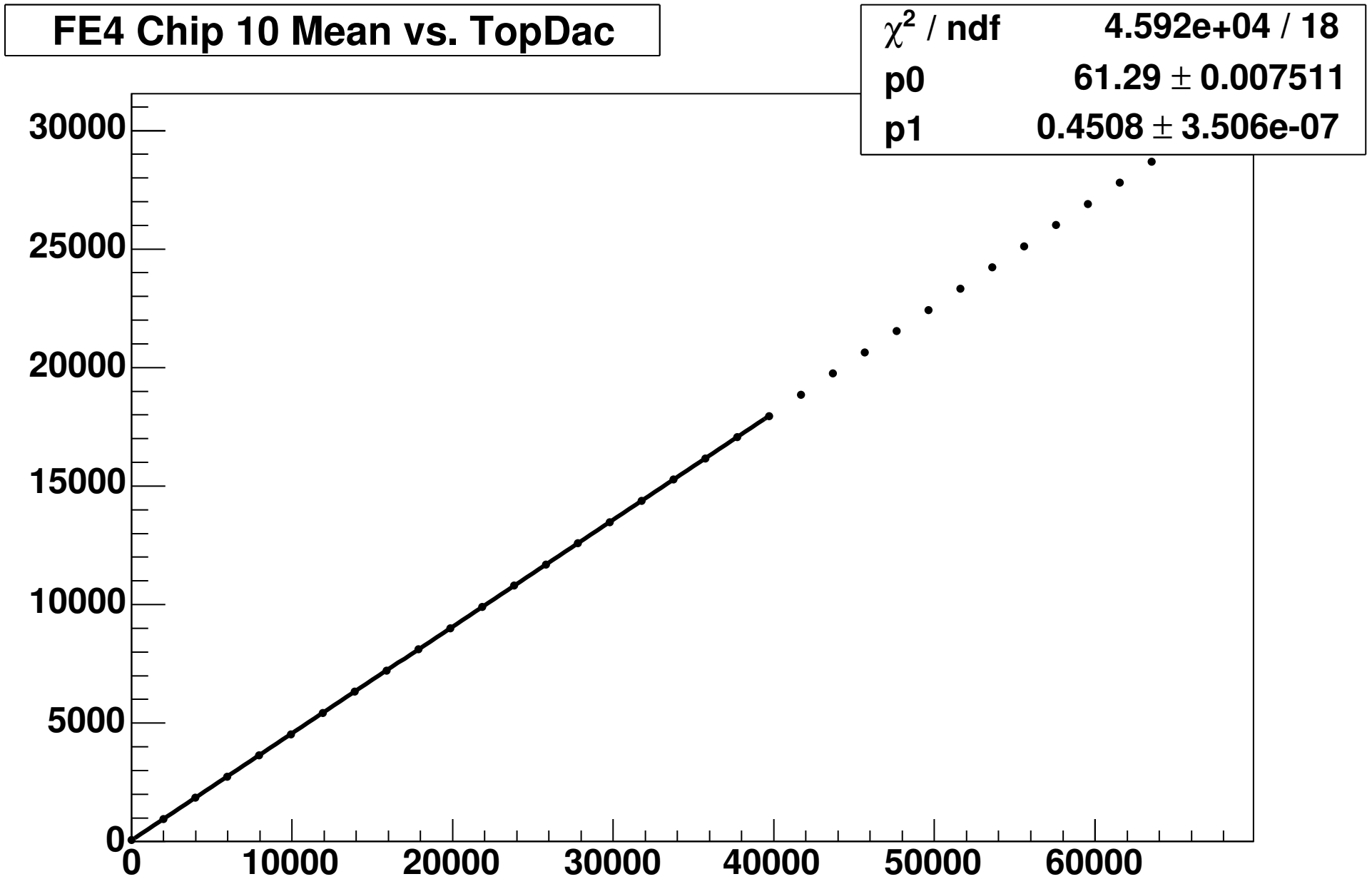
30000
40000
50000
60000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 4.592e+04 / 18
p0 61.29 ± 0.007511
p1 0.4508 ± 3.506e-07
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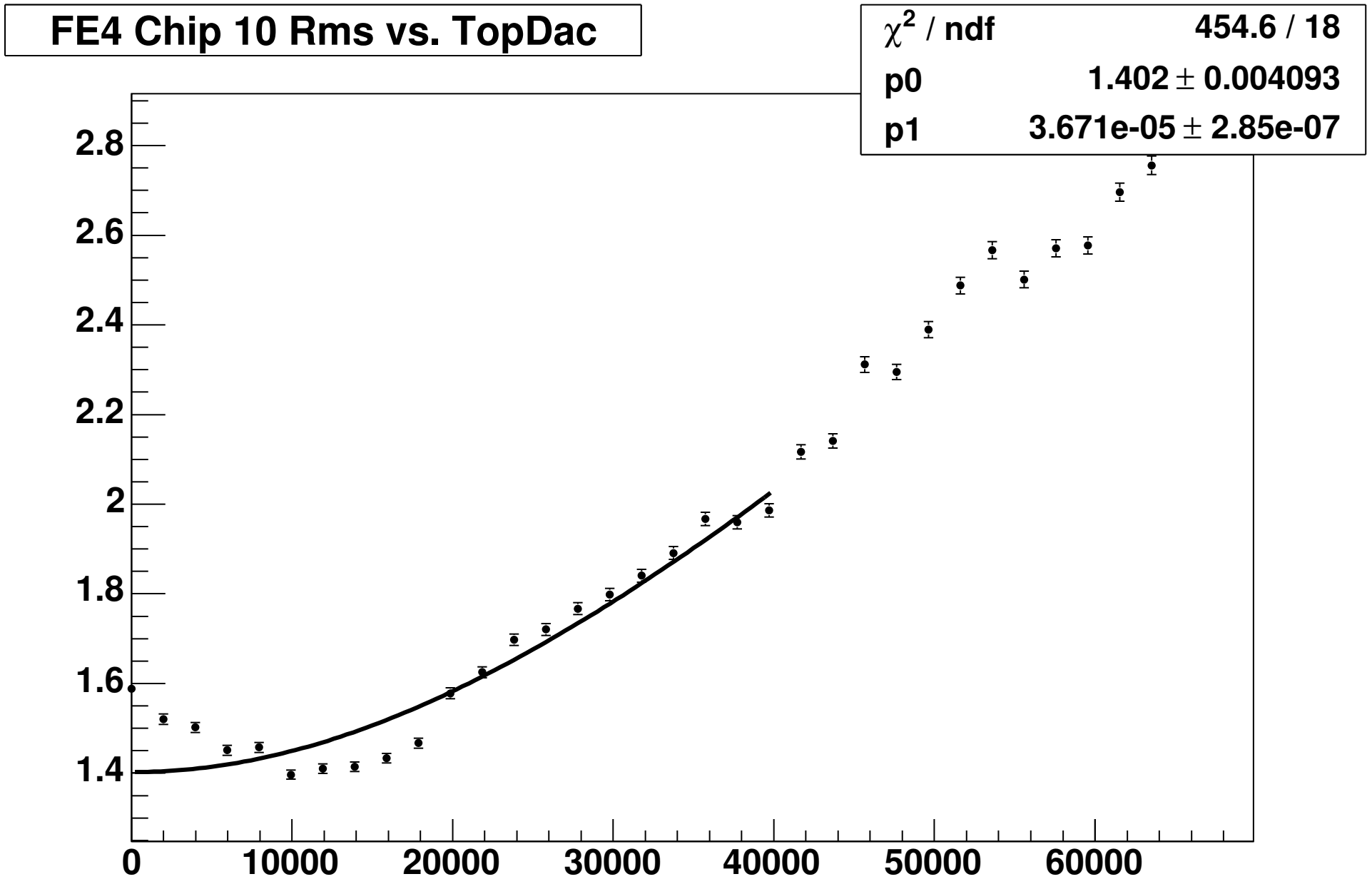
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 454.6 / 18
p0 1.402 ± 0.004093
p1 3.671e-05 ± 2.85e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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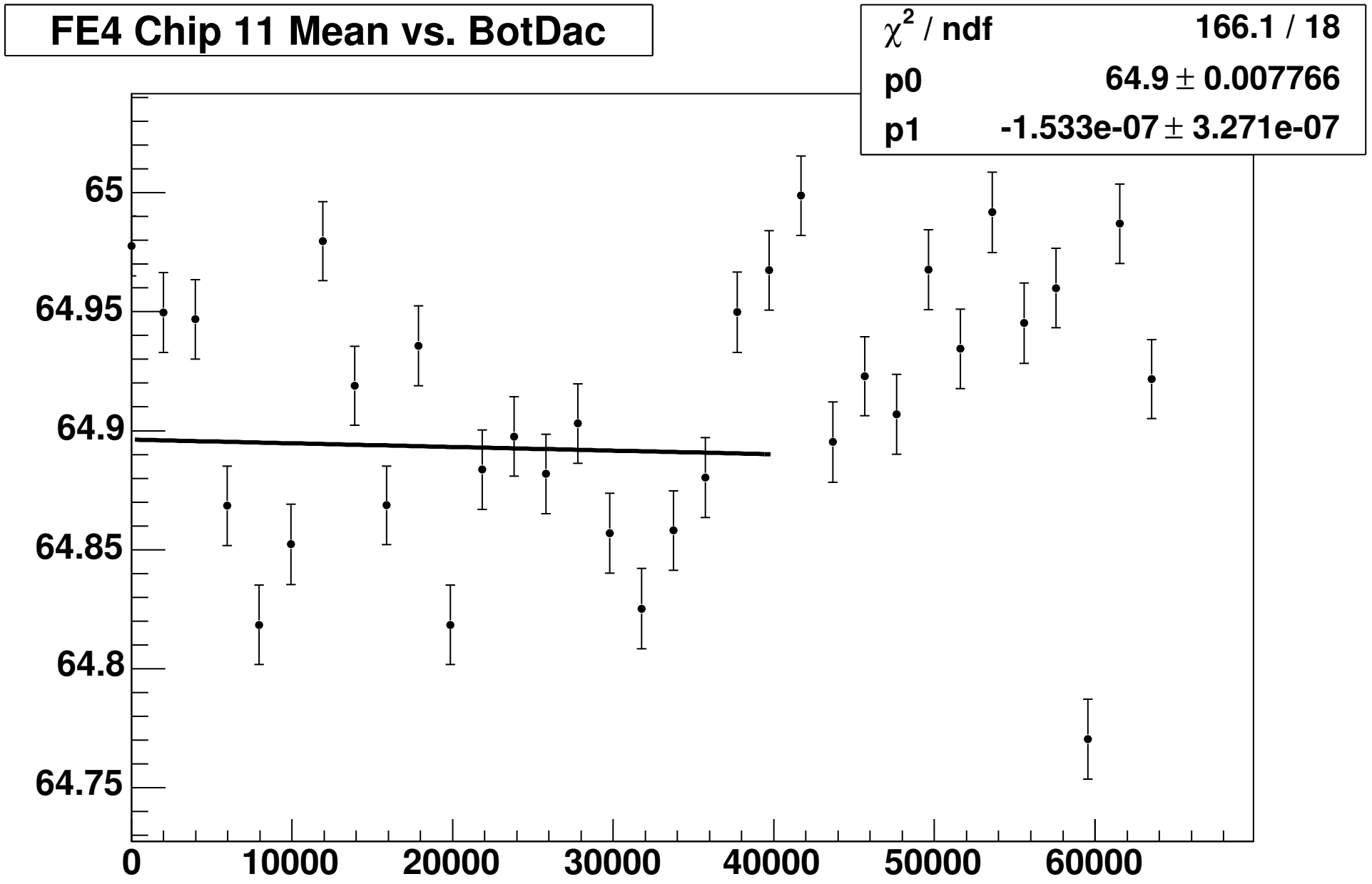
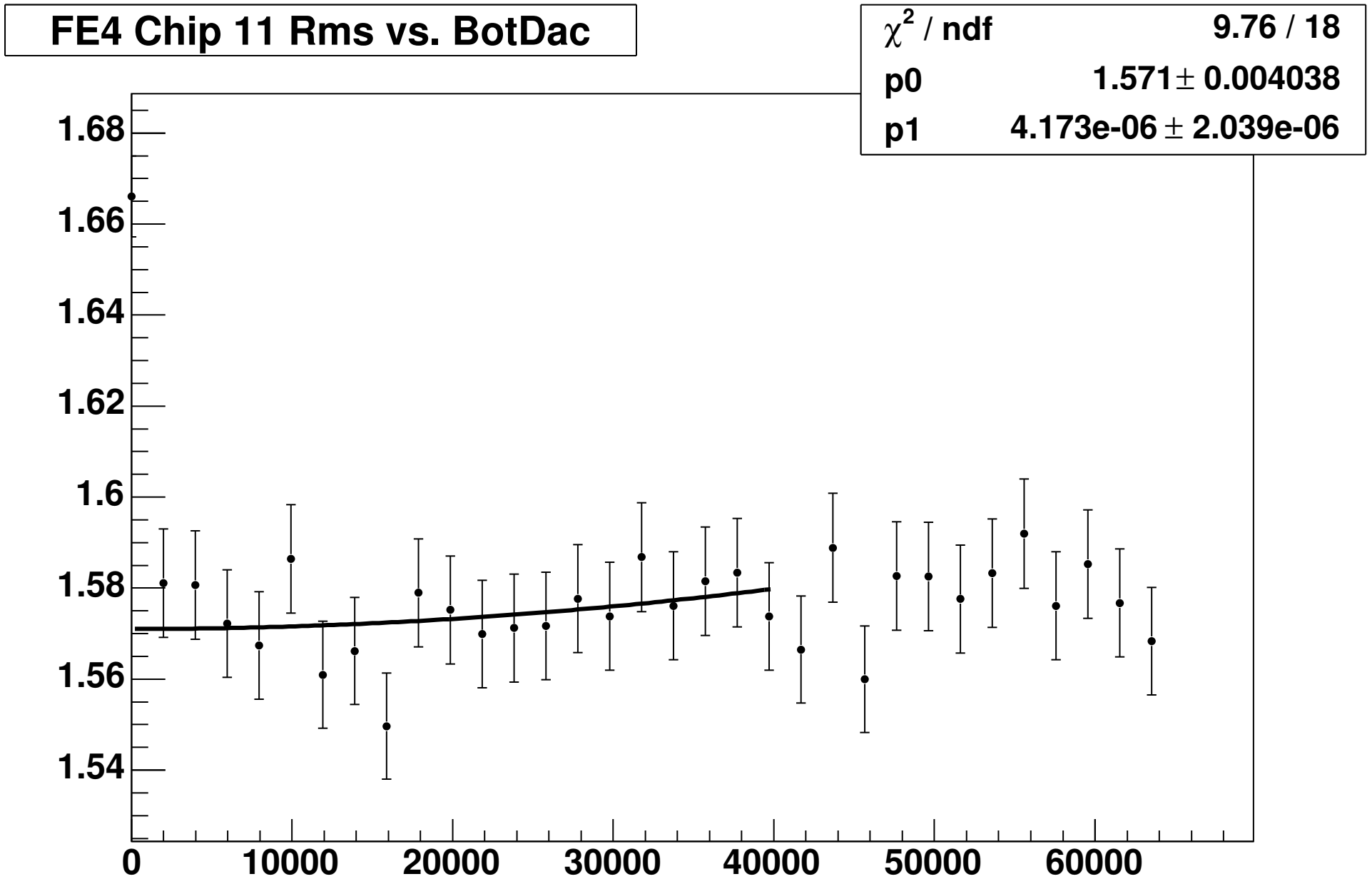
30000
40000
50000
60000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 166.1 / 18
p0 64.9 ± 0.007766
p1 -1.533e-07 ± 3.271e-07
65
64.95
64.9
64.85
64.8
64.75
0
10000
20000
30000
40000
50000
60000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 9.76 / 18
p0 1.571 ± 0.004038
p1 4.173e-06 ± 2.039e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
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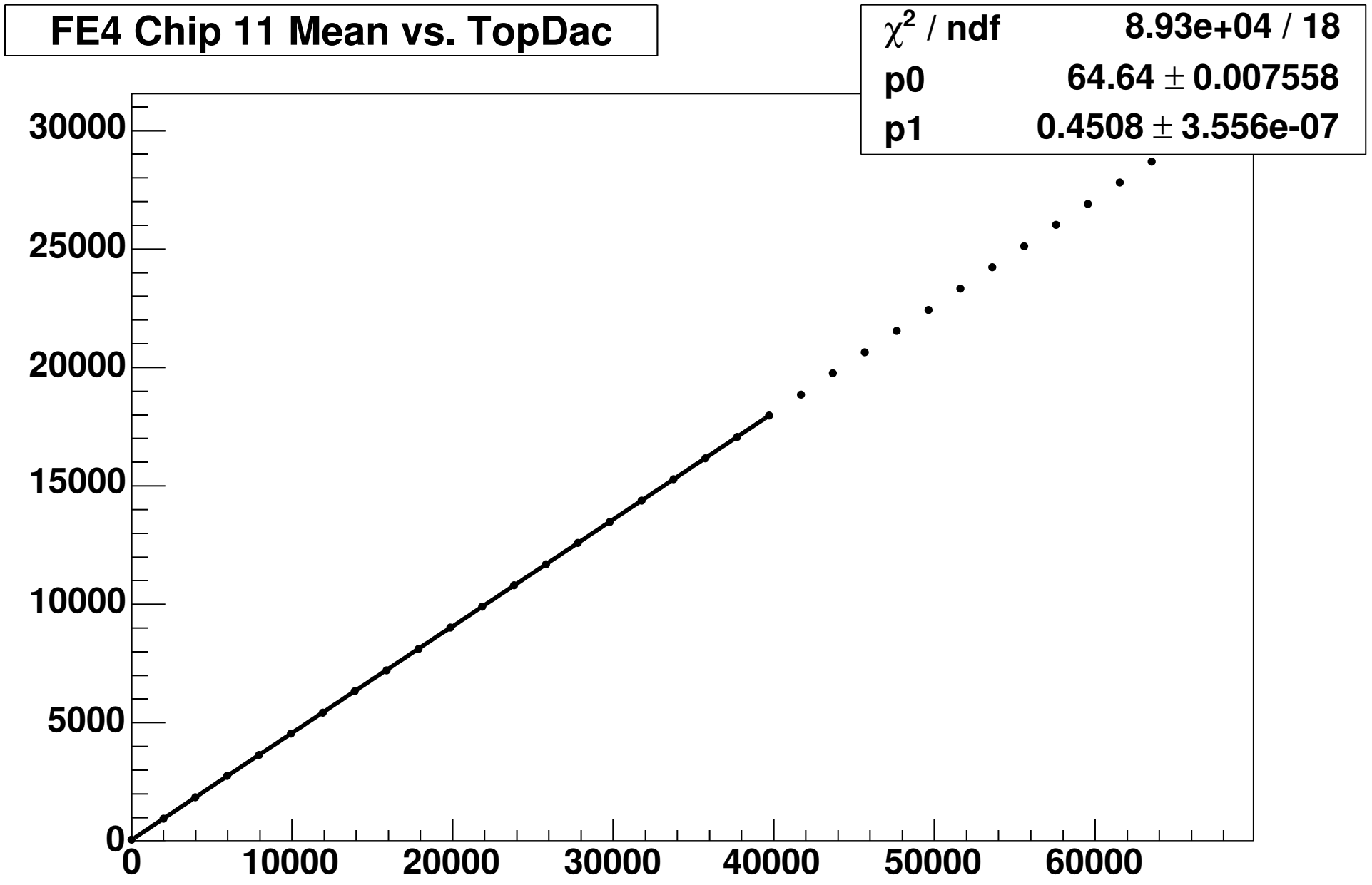
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 8.93e+04 / 18
p0 64.64 ± 0.007558
p1 0.4508 ± 3.556e-07
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15000
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0
10000
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40000
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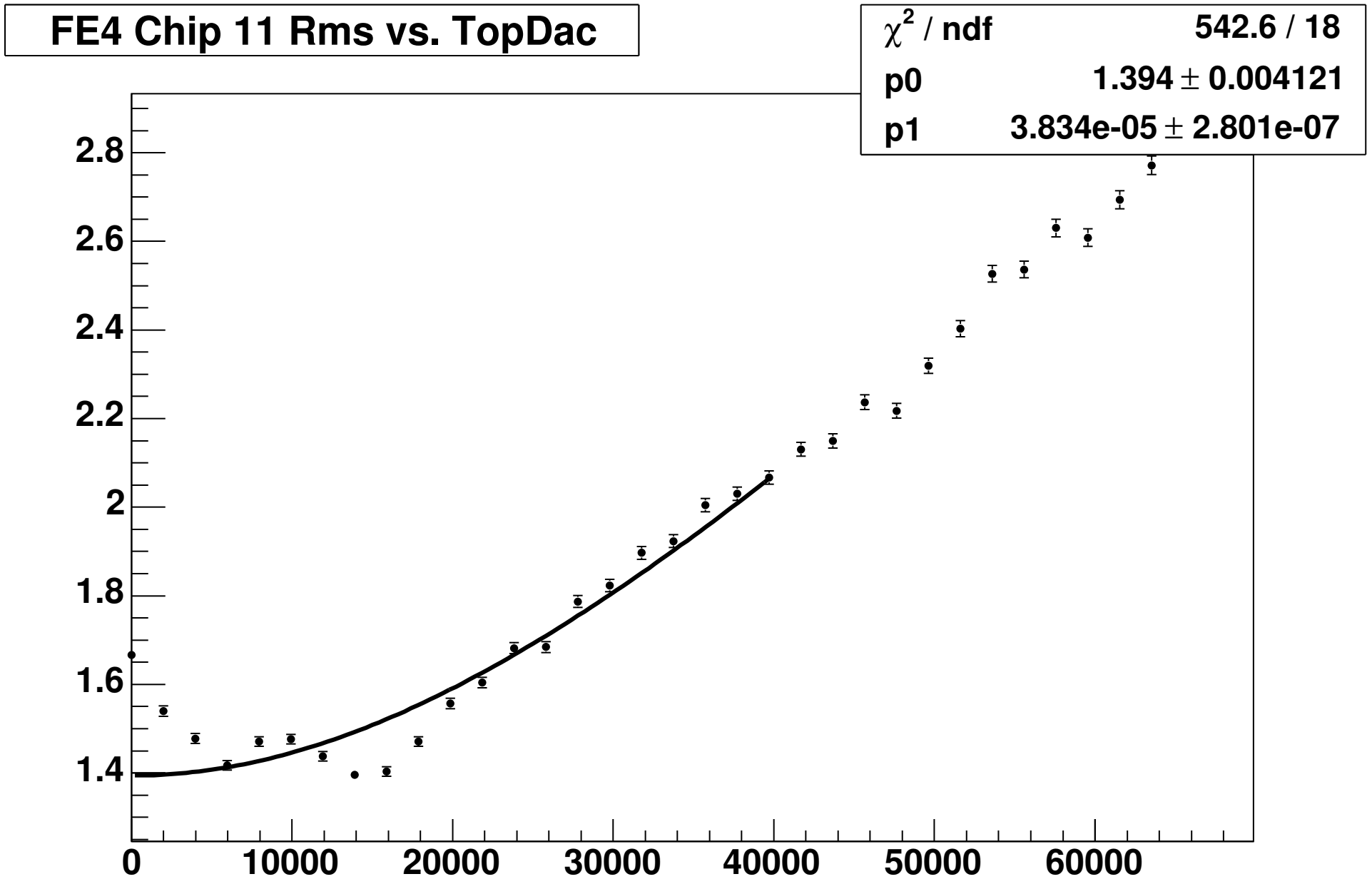
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 542.6 / 18
p0 1.394 ± 0.004121
p1 3.834e-05 ± 2.801e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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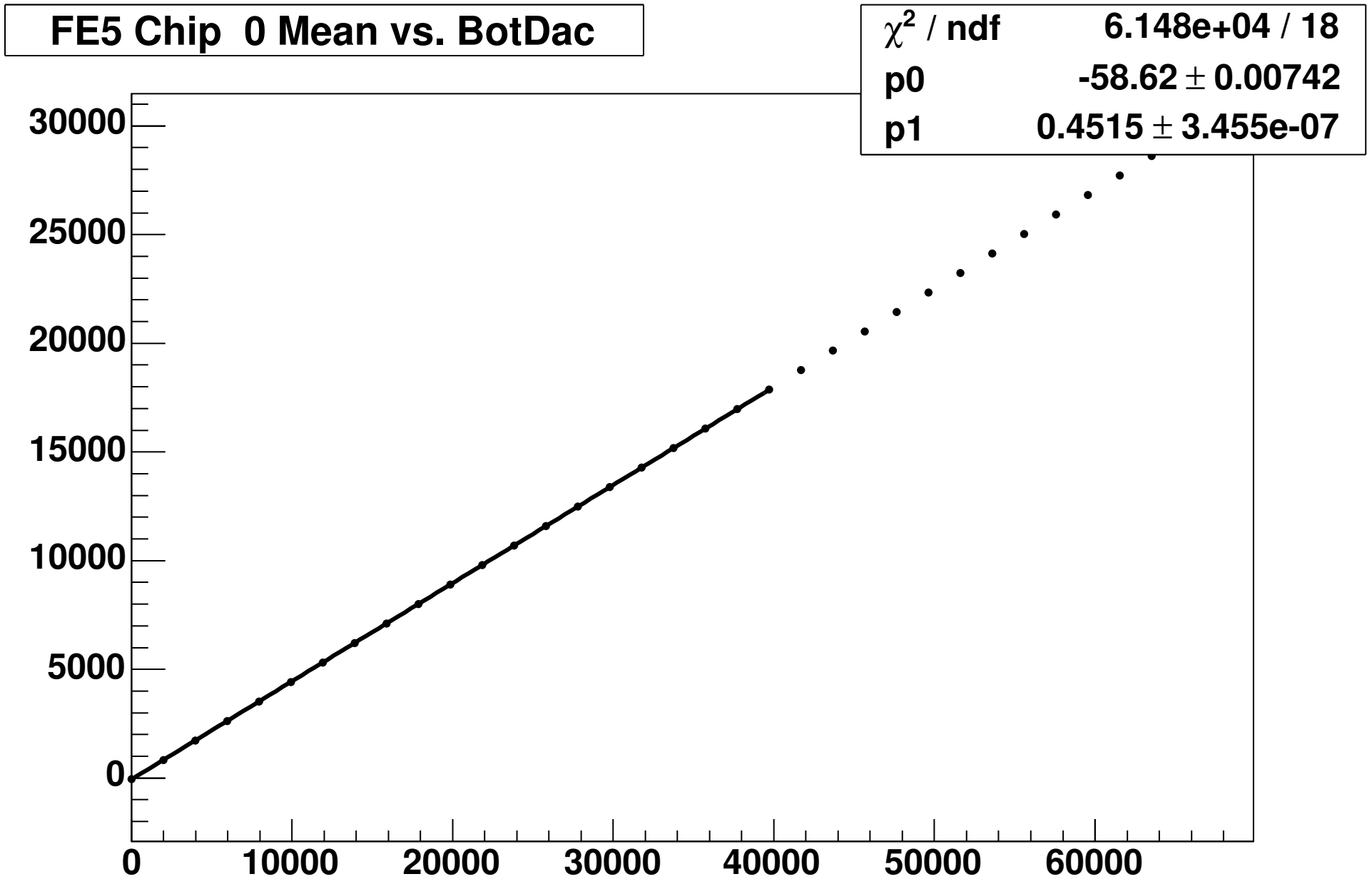
60000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 6.148e+04 / 18
p0 -58.62 ± 0.00742
p1 0.4515 ± 3.455e-07
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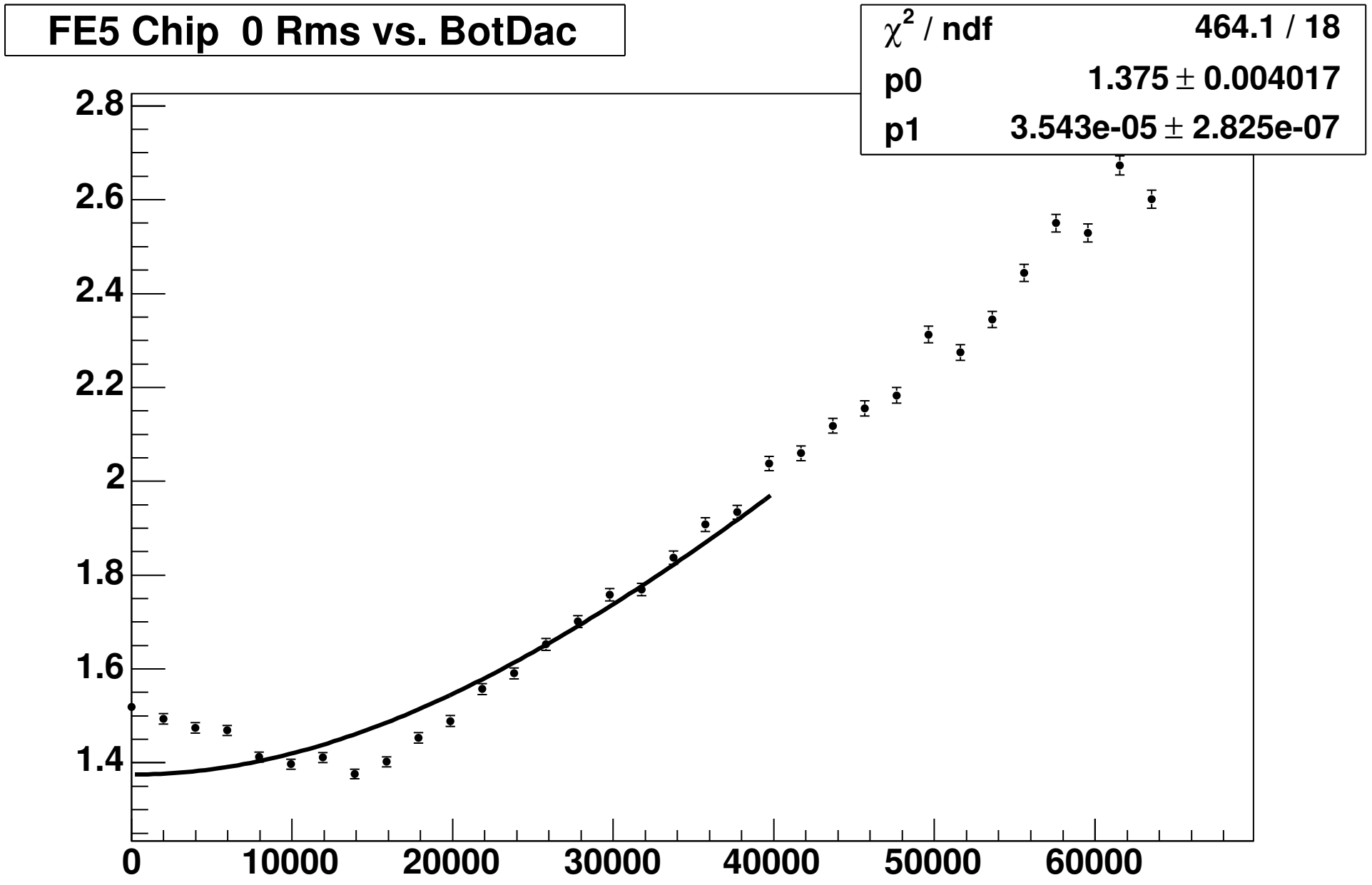
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 464.1 / 18
p0 1.375 ± 0.004017
p1 3.543e-05 ± 2.825e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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40000
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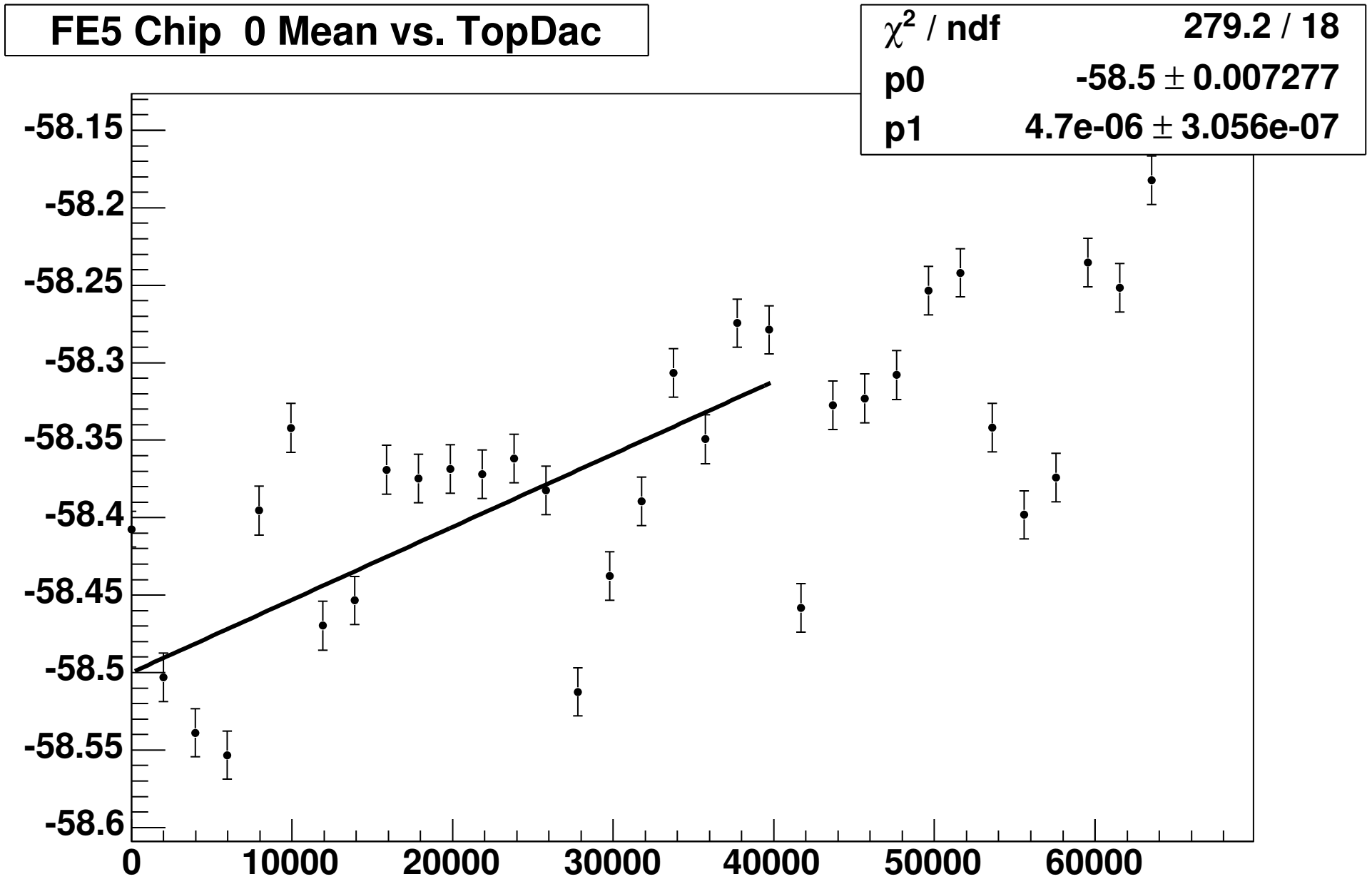
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 279.2 / 18
p0 -58.5 ± 0.007277
p1 4.7e-06 ± 3.056e-07
-58.15
-58.2
-58.25
-58.3
-58.35
-58.4
-58.45
-58.5
-58.55
-58.6
0
10000
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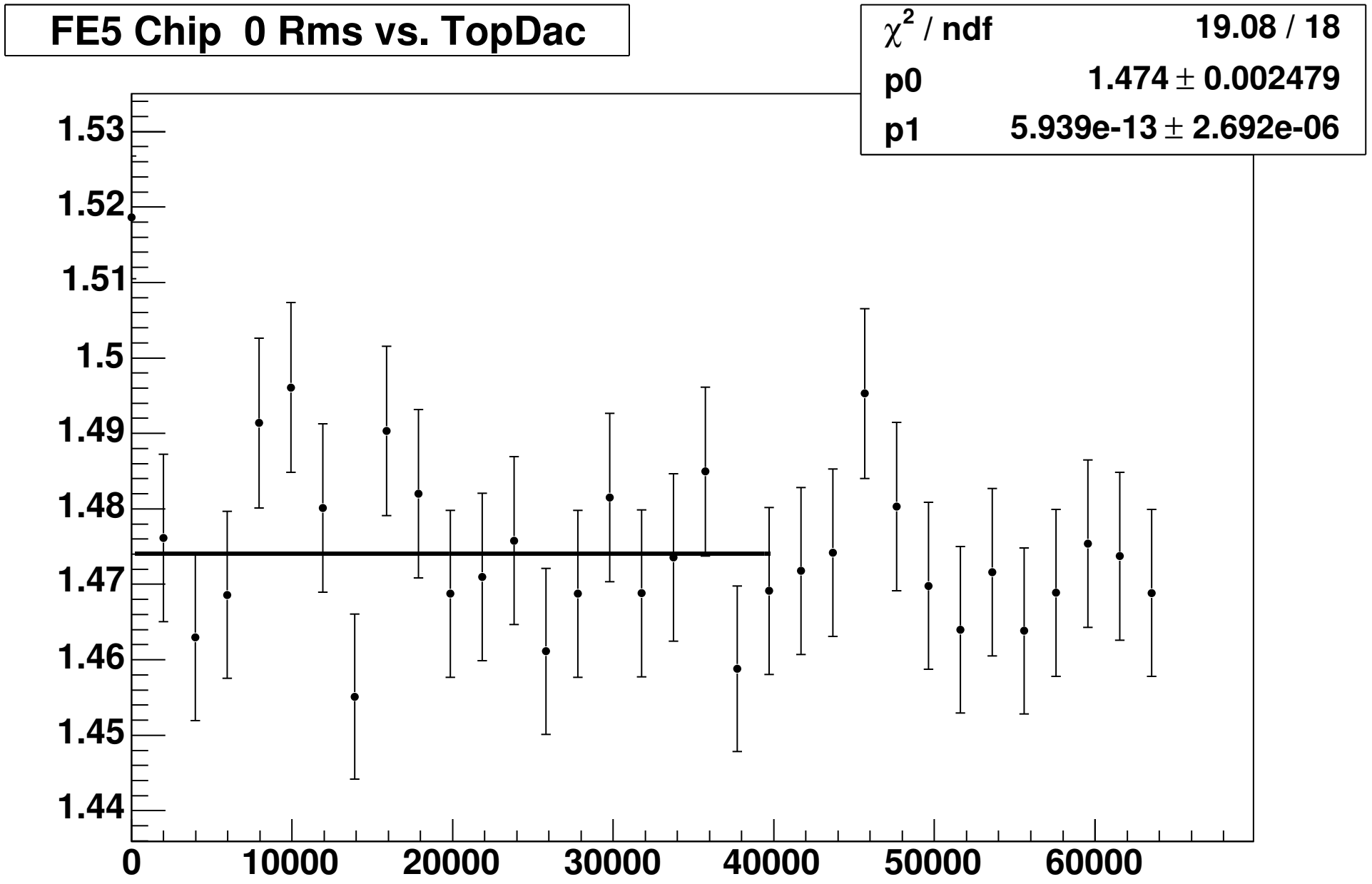
30000
40000
50000
60000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 19.08 / 18
p0 1.474 ± 0.002479
p1 5.939e-13 ± 2.692e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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20000
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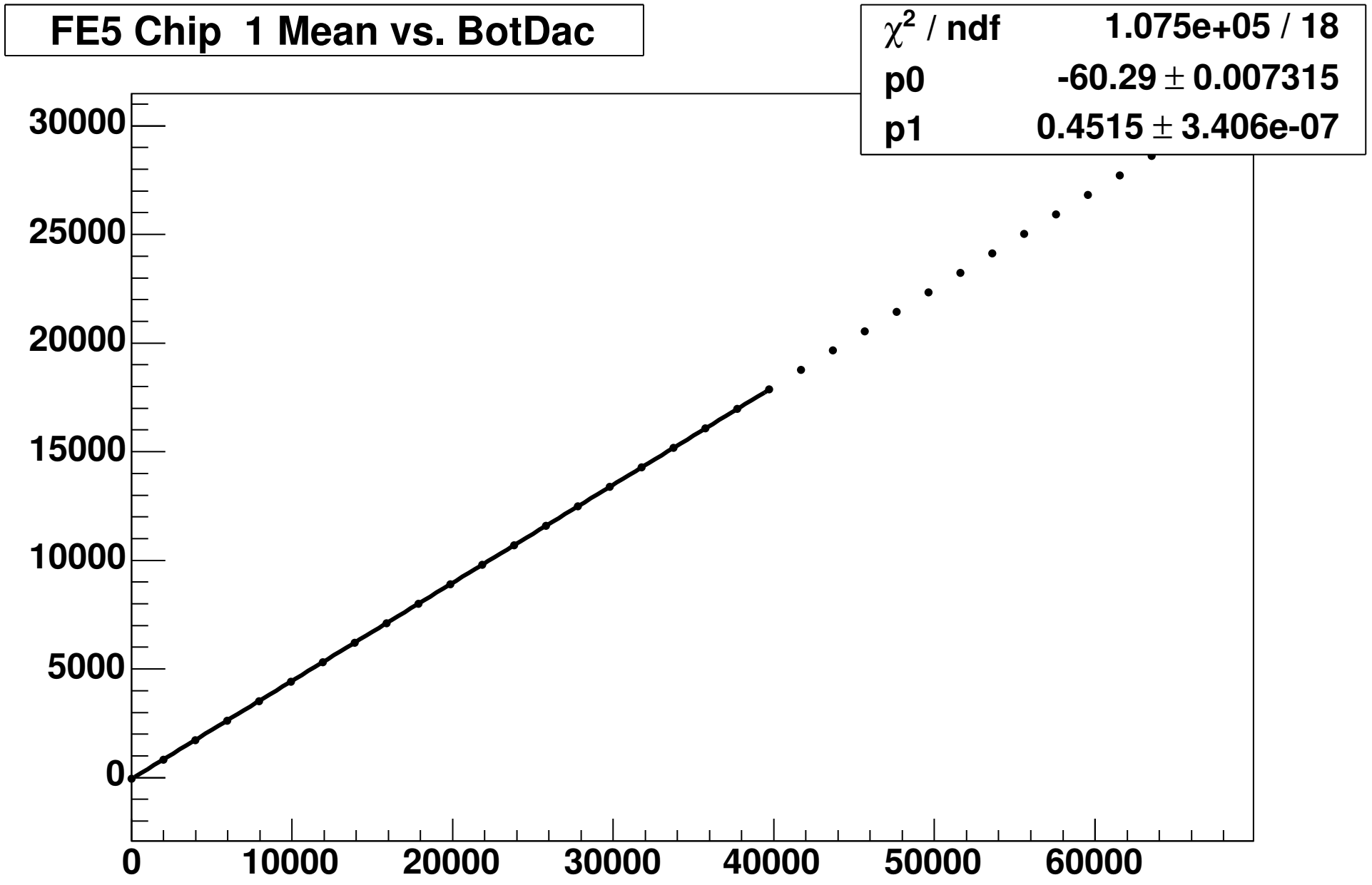
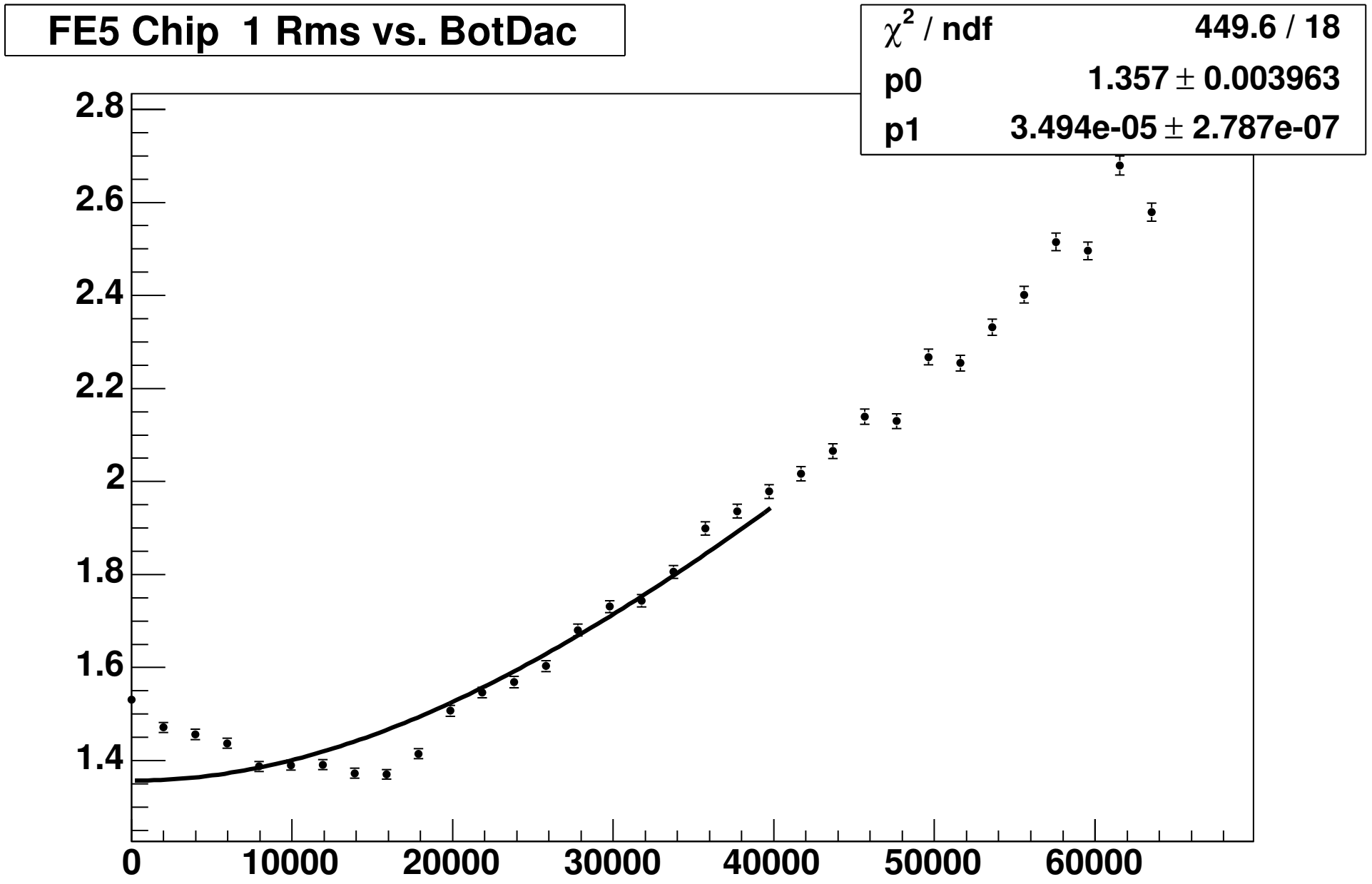

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.075e+05 / 18
p0 -60.29 ± 0.007315
p1 0.4515 ± 3.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 449.6 / 18
p0 1.357 ± 0.003963
p1 3.494e-05 ± 2.787e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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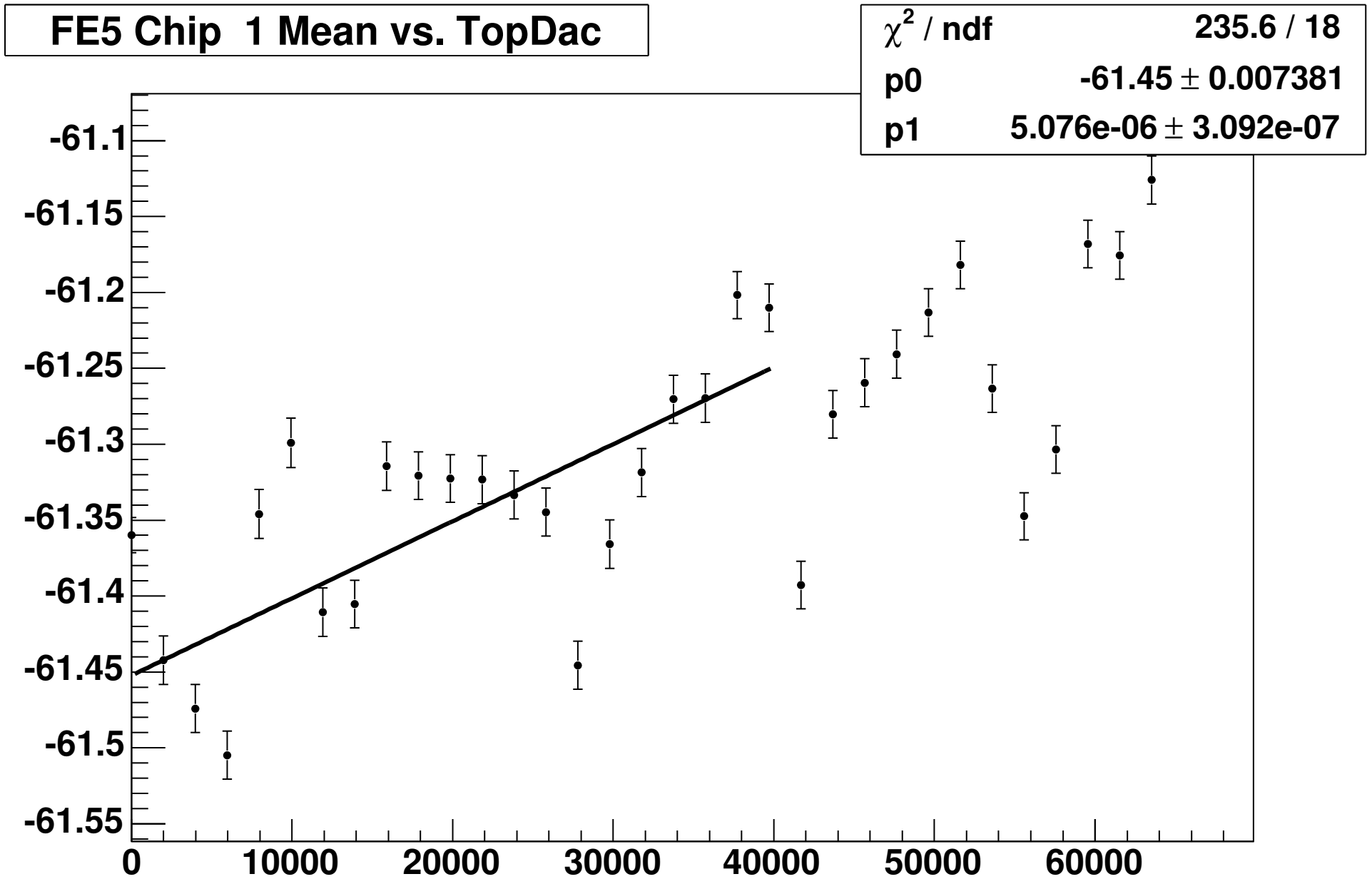
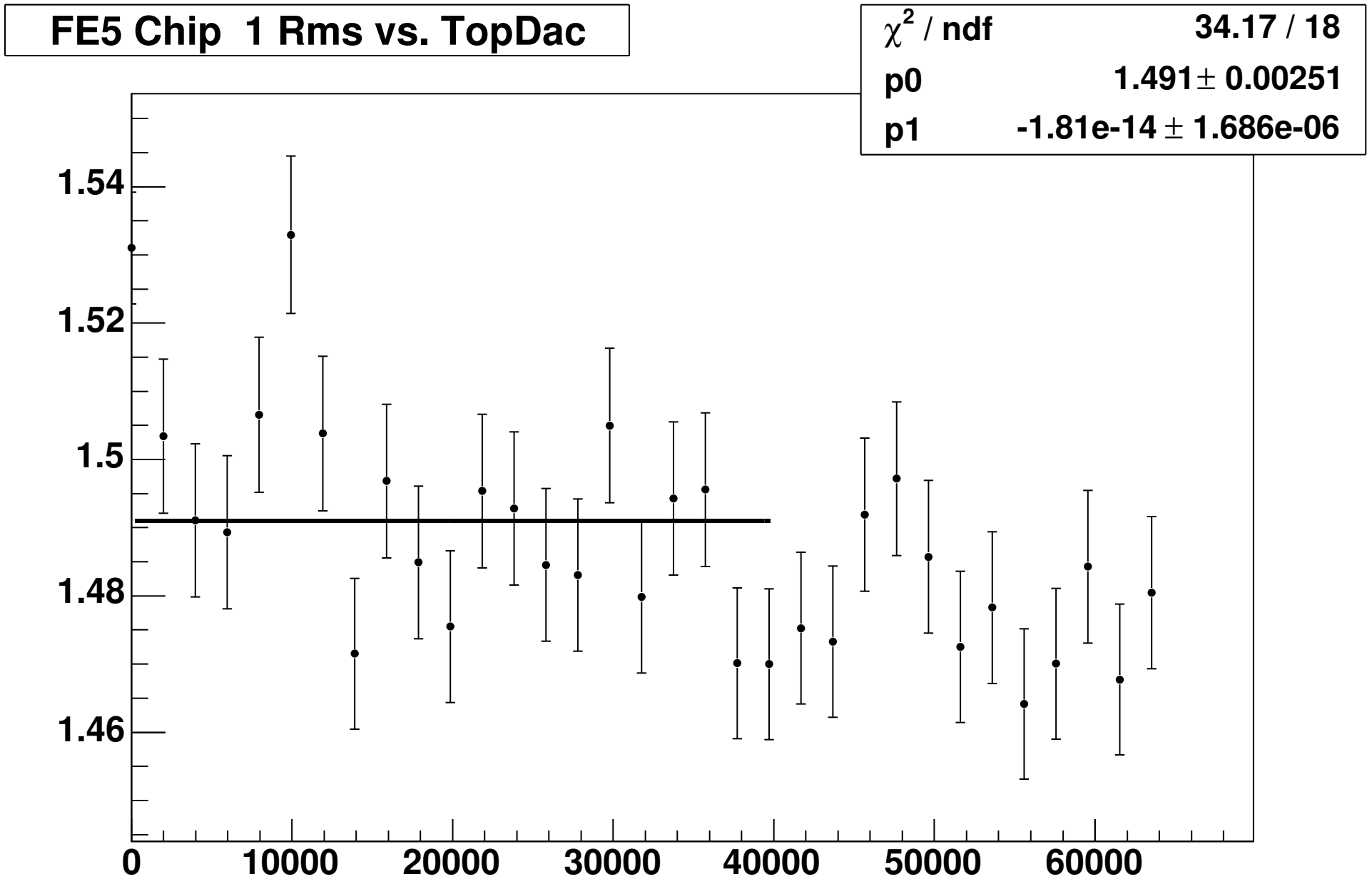
40000
50000
60000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 235.6 / 18
p0 -61.45 ± 0.007381
p1 5.076e-06 ± 3.092e-07
-61.1
-61.15
-61.2
-61.25
-61.3
-61.35
-61.4
-61.45
-61.5
-61.55
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 34.17 / 18
p0 1.491 ± 0.00251
p1 -1.81e-14 ± 1.686e-06
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1.52
1.5
1.48
1.46
0
10000
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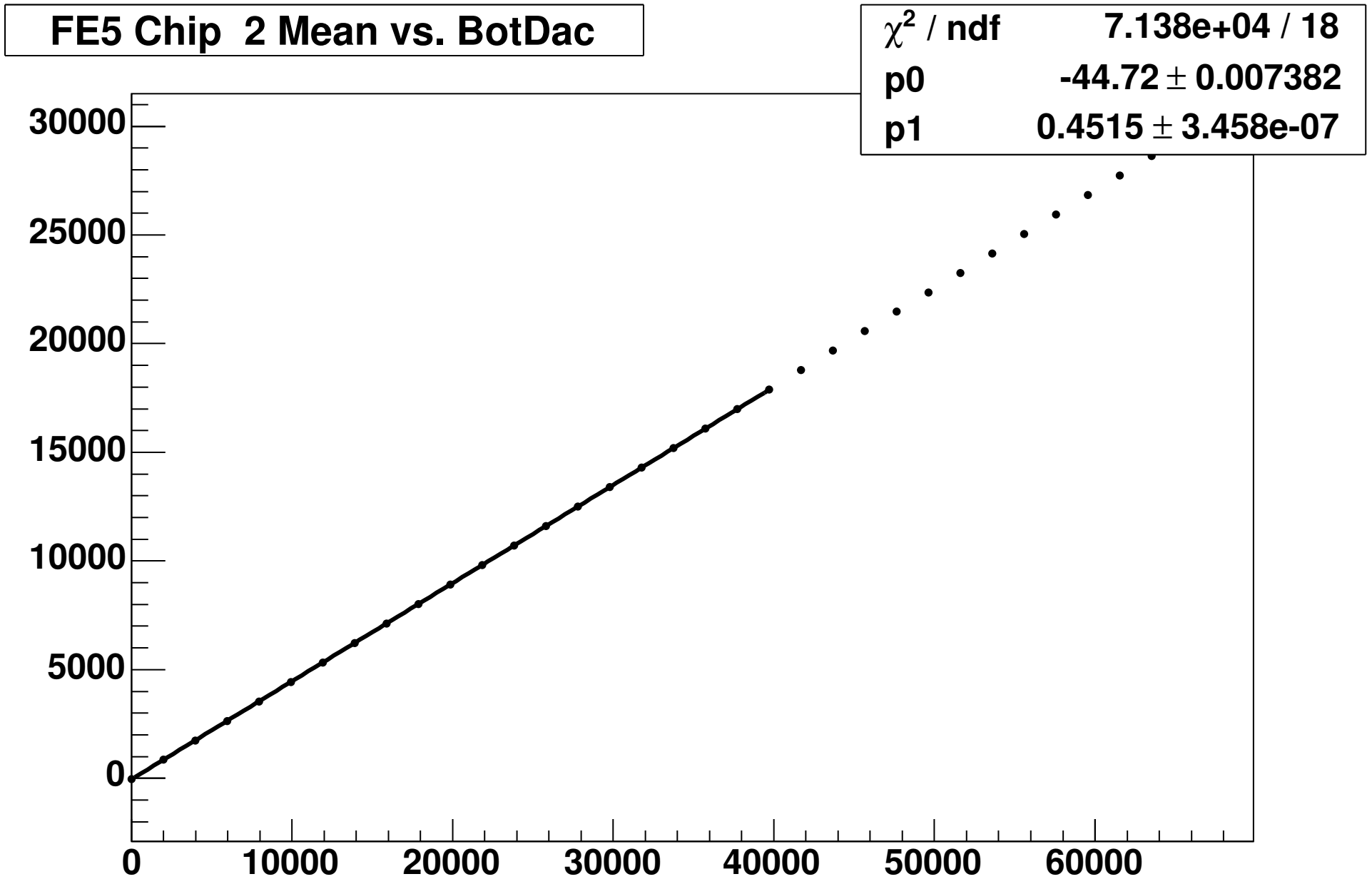
60000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 7.138e+04 / 18
p0 -44.72 ± 0.007382
p1 0.4515 ± 3.458e-07
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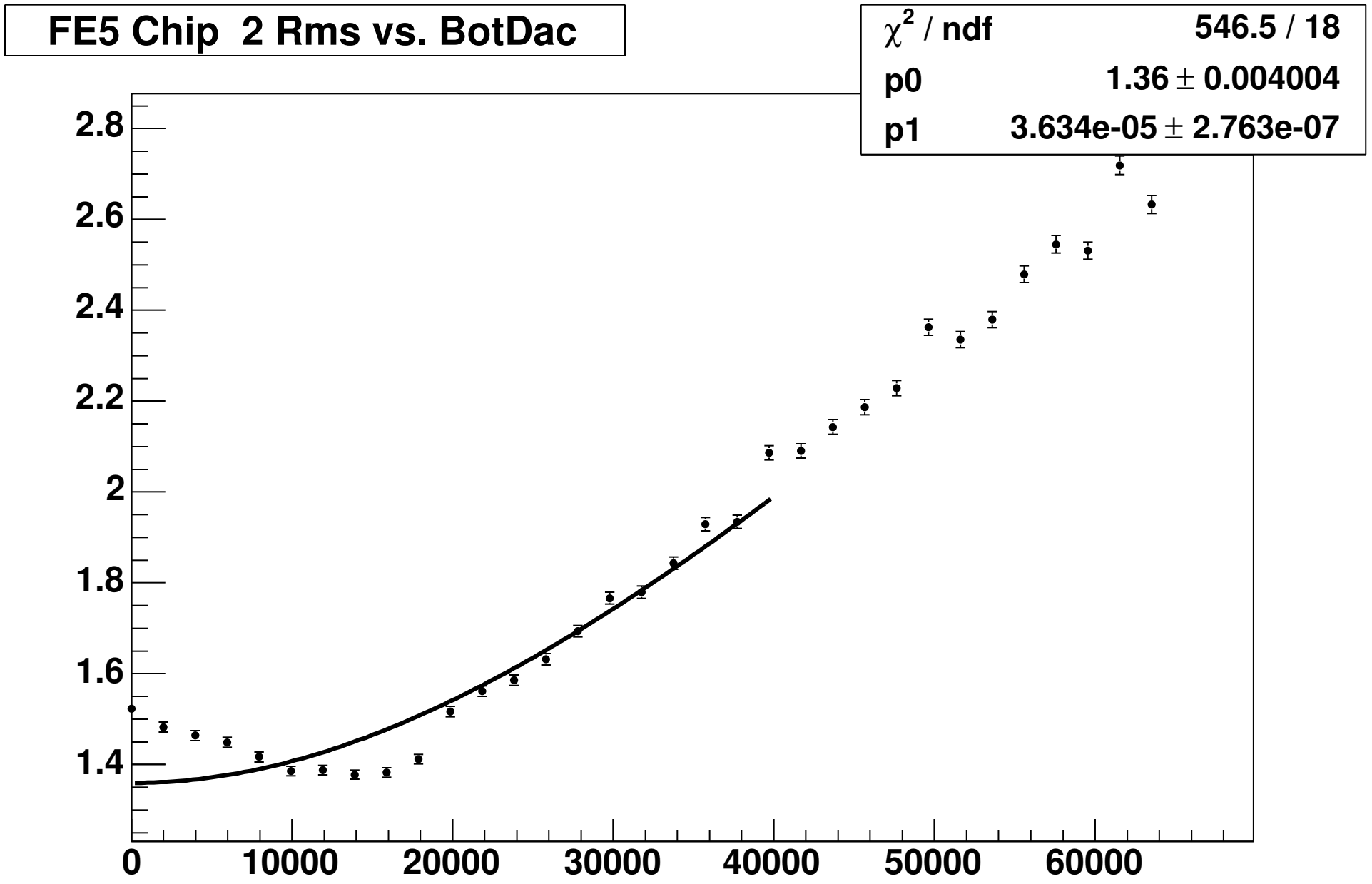
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 546.5 / 18
p0 1.36 ± 0.004004
p1 3.634e-05 ± 2.763e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
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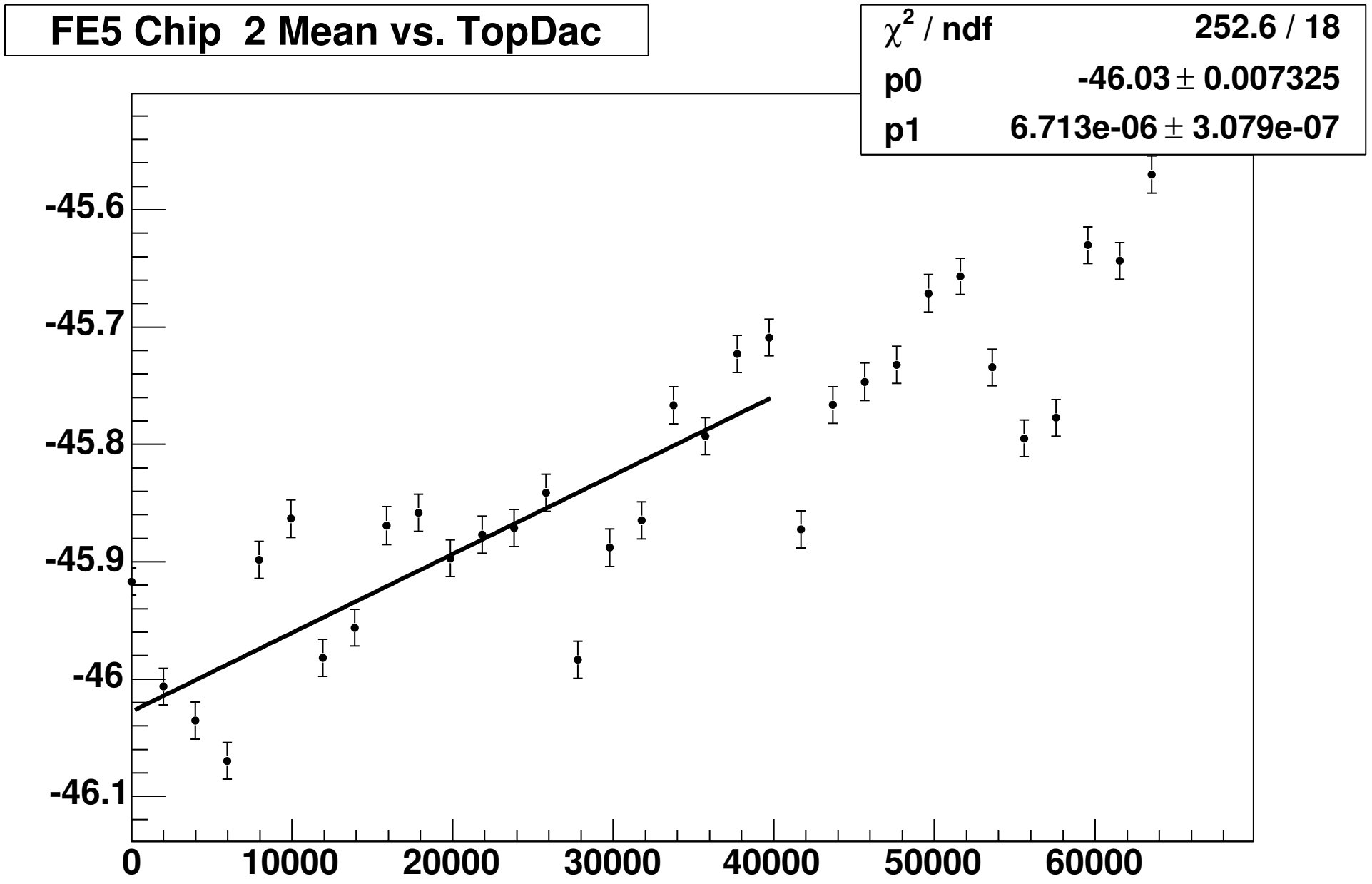
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 252.6 / 18
p0 -46.03 ± 0.007325
p1 6.713e-06 ± 3.079e-07
-45.6
-45.7
-45.8
-45.9
-46
-46.1
0
10000
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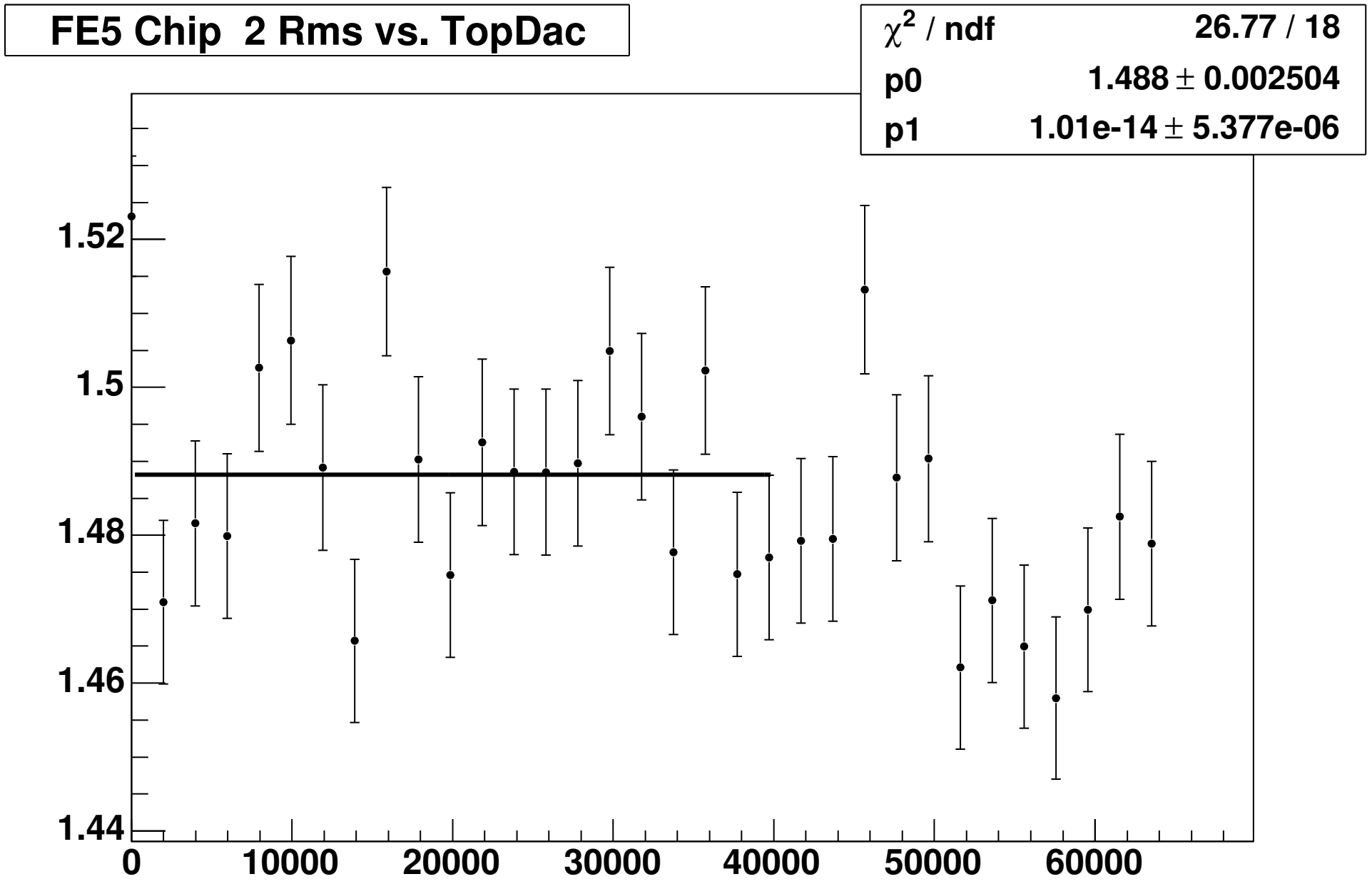
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 26.77 / 18
p0 1.488 ± 0.002504
p1 1.01e-14 ± 5.377e-06
1.52
1.5
1.48
1.46
1.44
0
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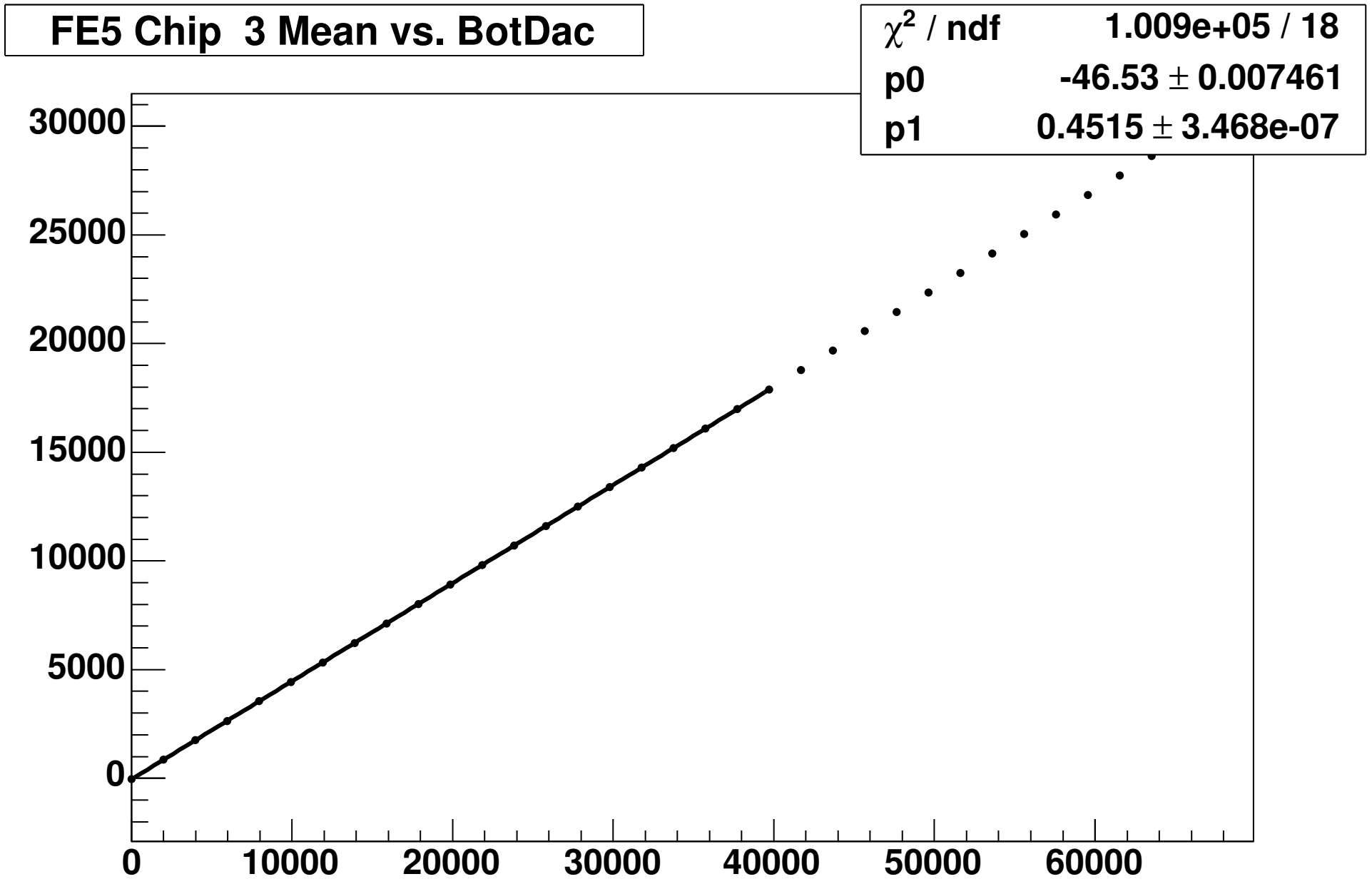
FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.009e+05 / 18
p0 -46.53 ± 0.007461
p1 0.4515 ± 3.468e-07
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25000
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15000
10000
5000
0
0
10000
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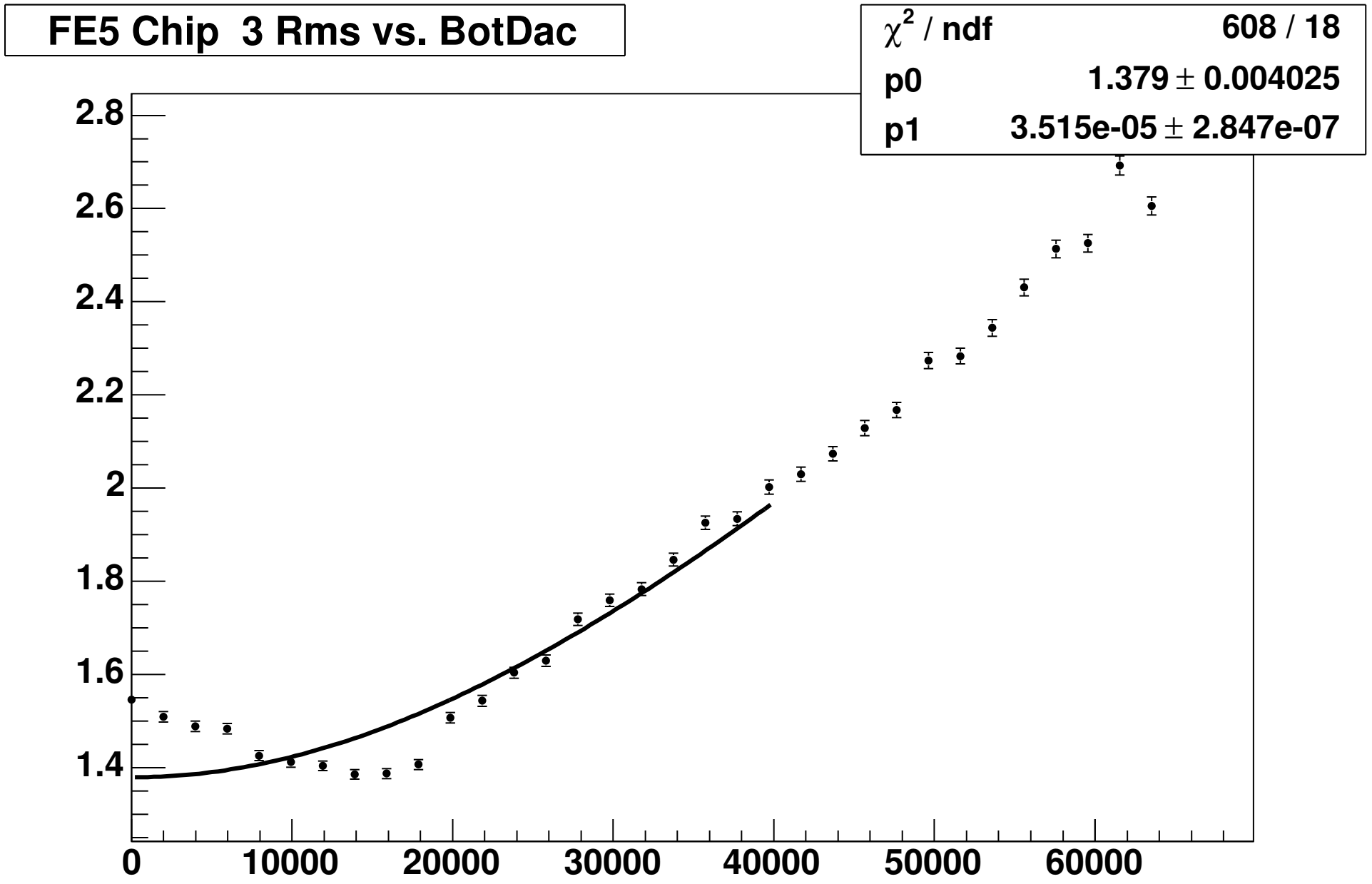
40000
50000
60000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 608 / 18
p0 1.379 ± 0.004025
p1 3.515e-05 ± 2.847e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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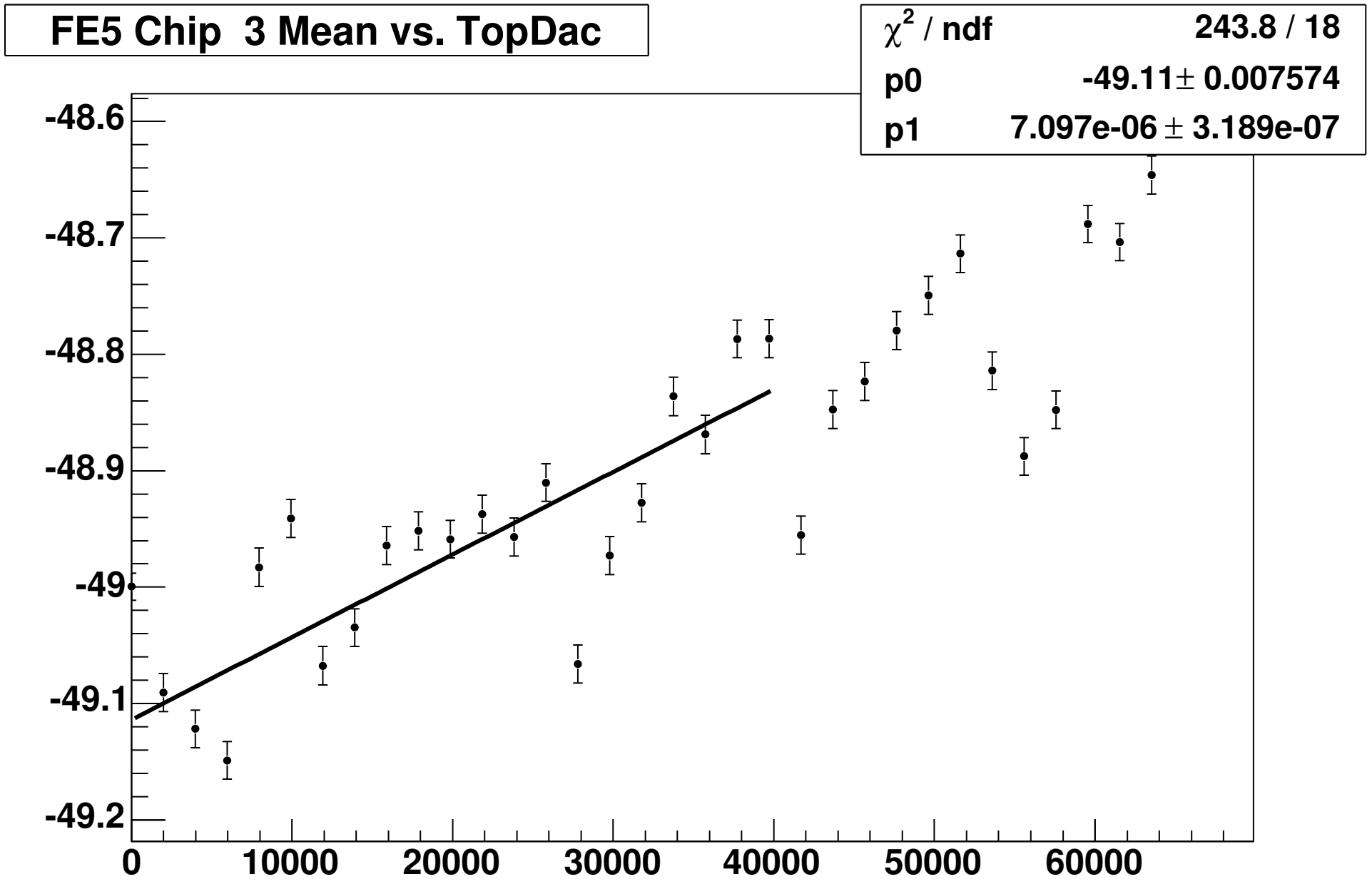
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 243.8 / 18
p0 -49.11 ± 0.007574
p1 7.097e-06 ± 3.189e-07
-48.6
-48.7
-48.8
-48.9
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-49.1
-49.2
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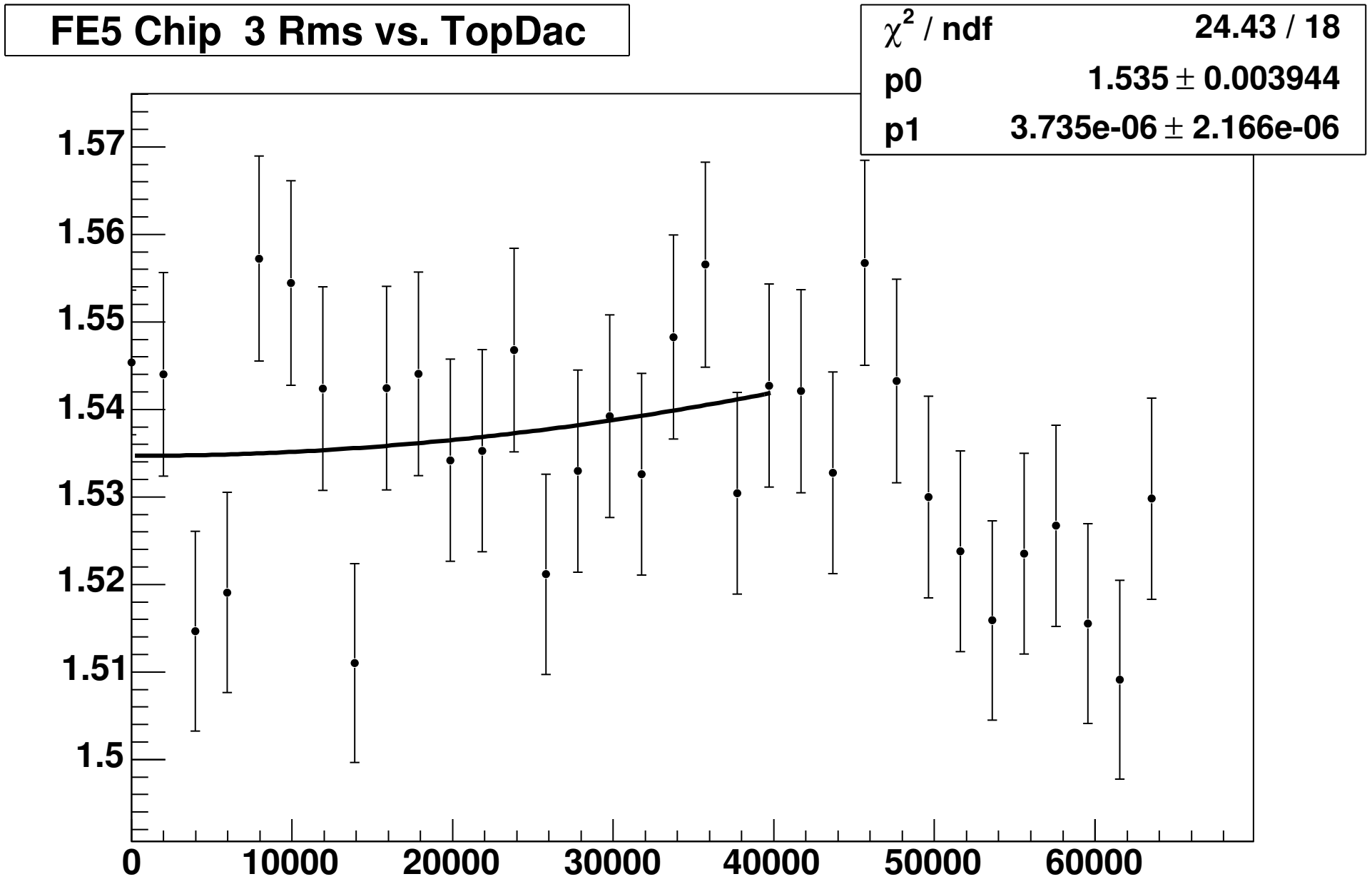
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 24.43 / 18
p0 1.535 ± 0.003944
p1 3.735e-06 ± 2.166e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
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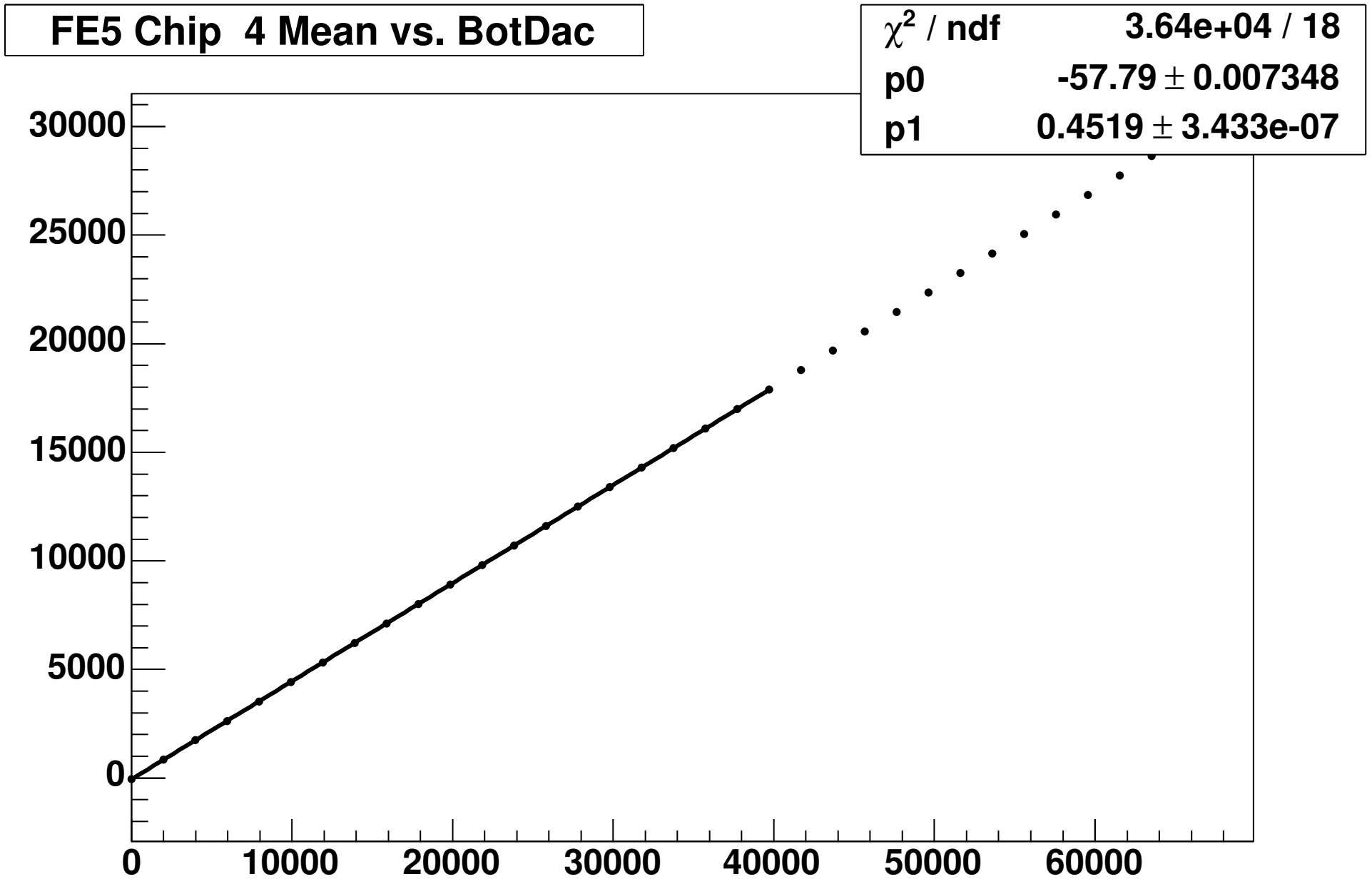
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 3.64e+04 / 18
p0 -57.79 ± 0.007348
p1 0.4519 ± 3.433e-07
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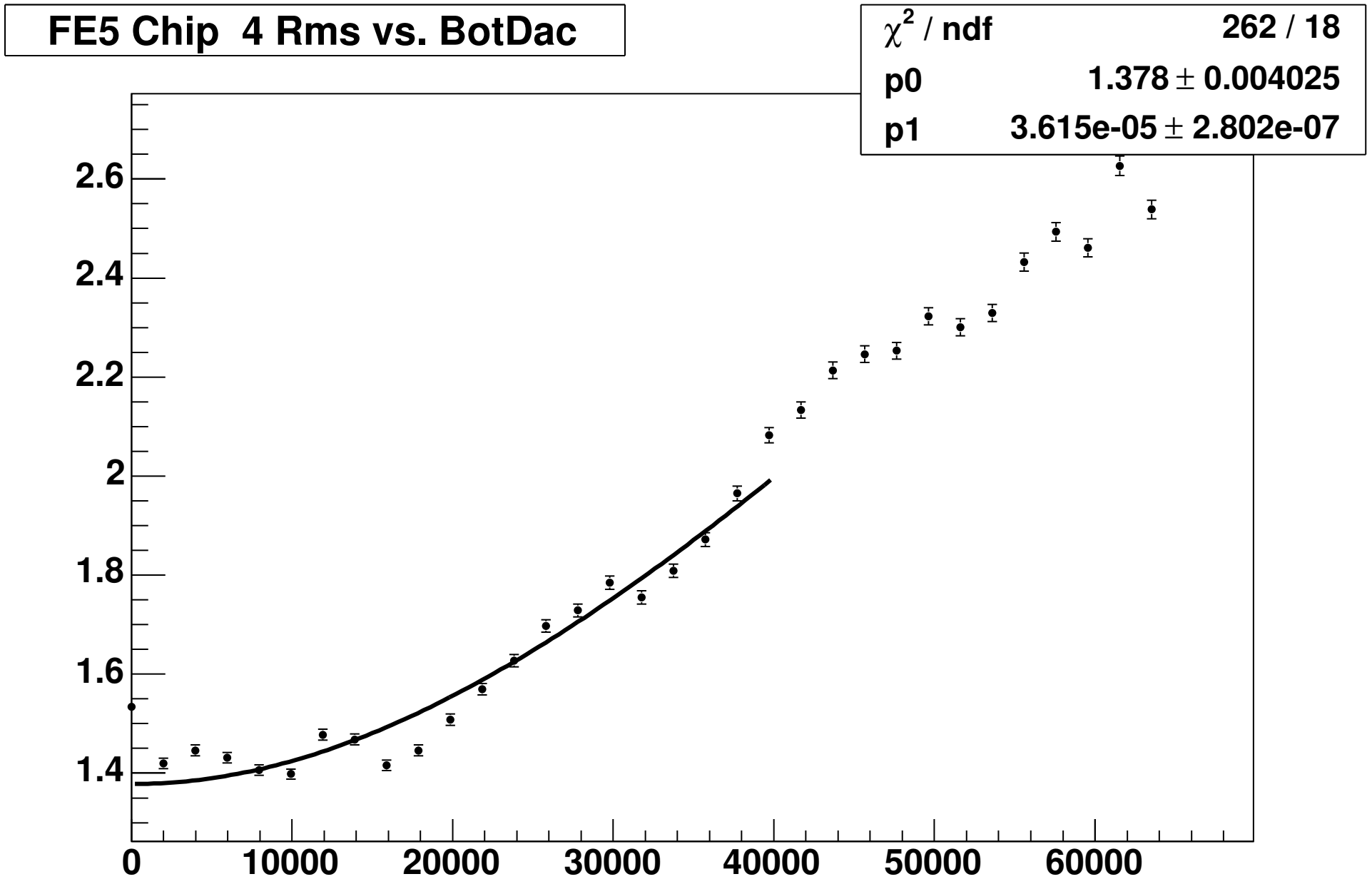
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 262 / 18
p0 1.378 ± 0.004025
p1 3.615e-05 ± 2.802e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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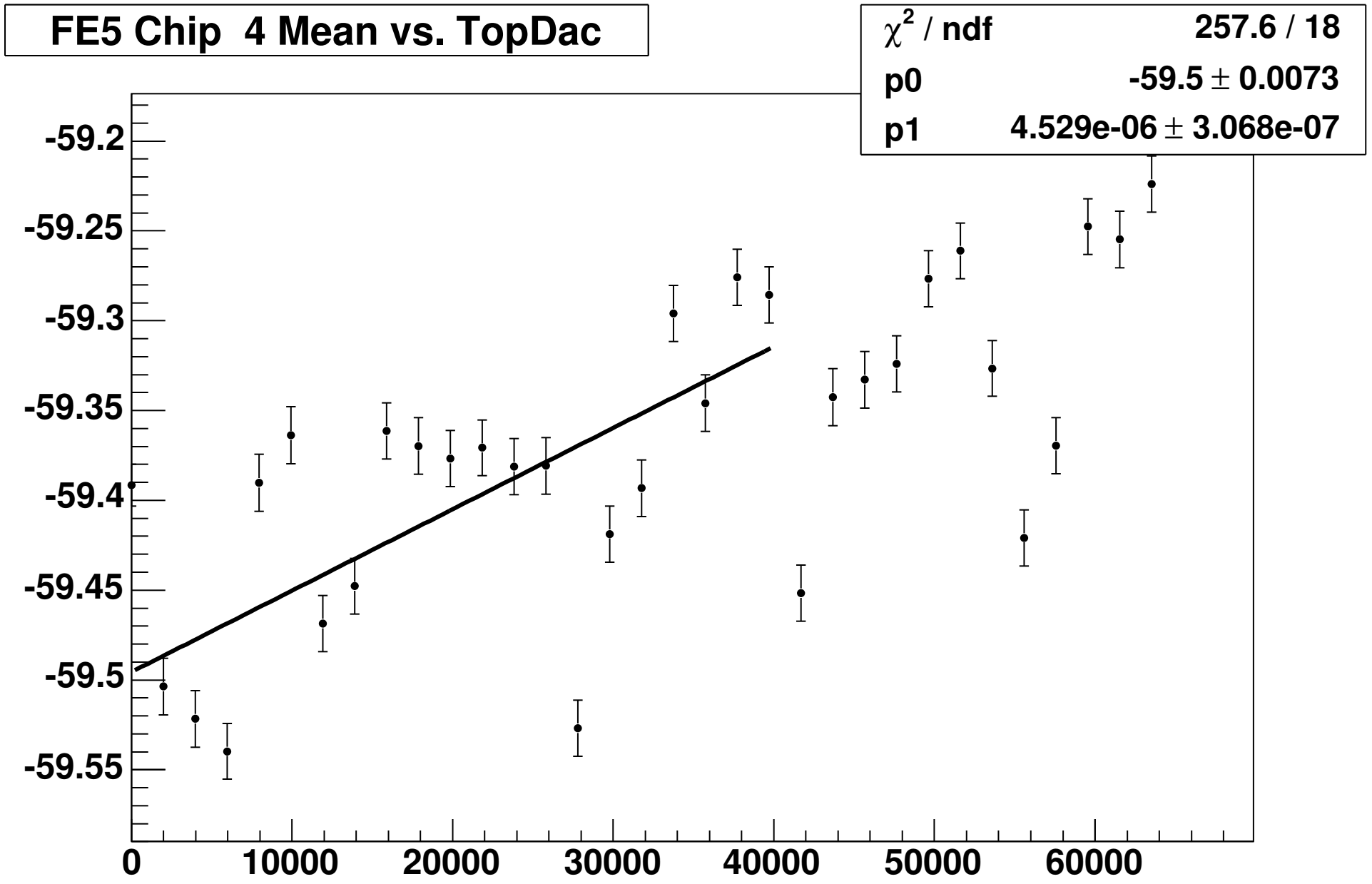
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 257.6 / 18
p0 -59.5 ± 0.0073
p1 4.529e-06 ± 3.068e-07
-59.2
-59.25
-59.3
-59.35
-59.4
-59.45
-59.5
-59.55
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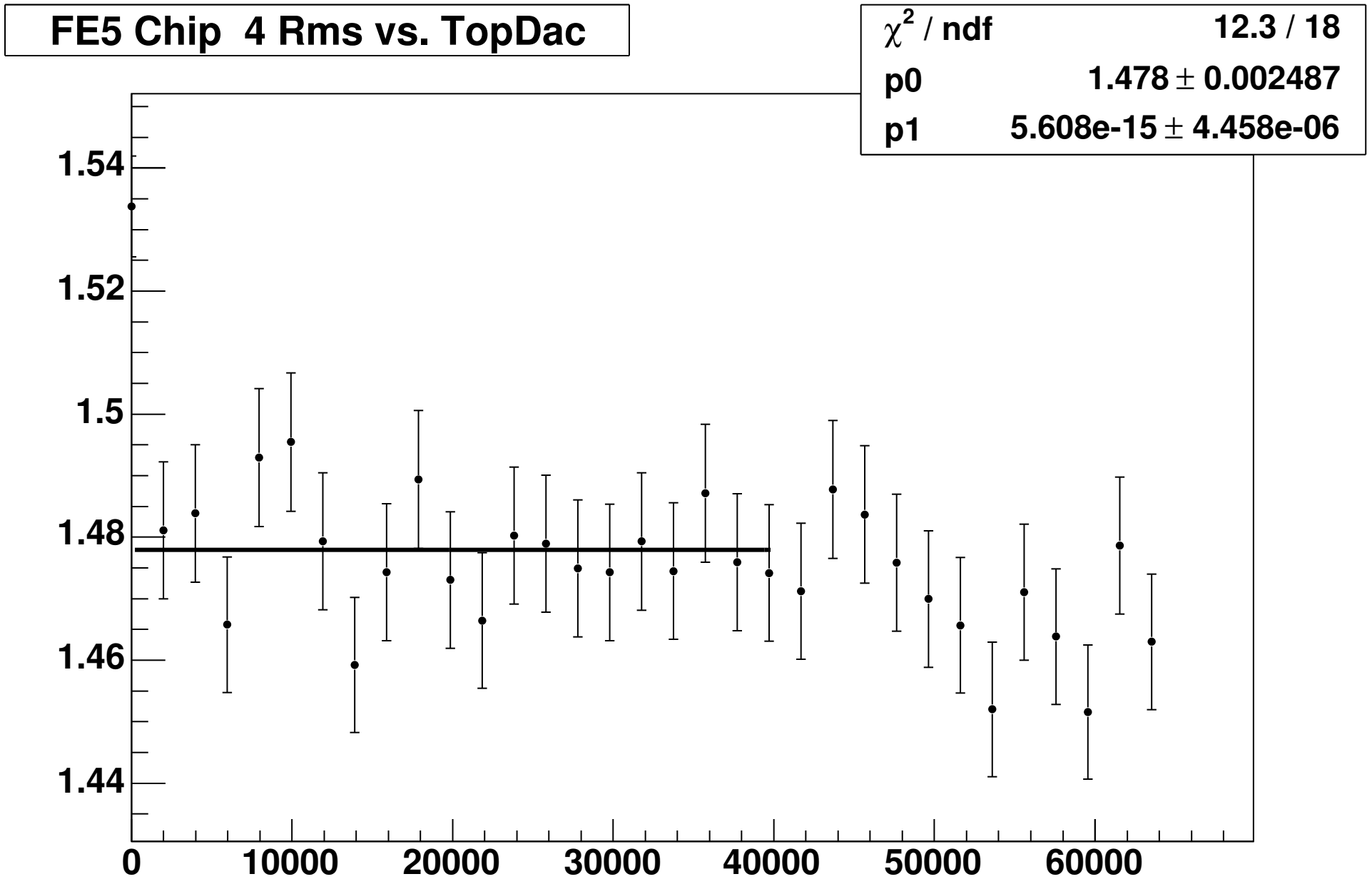
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 12.3 / 18
p0 1.478 ± 0.002487
p1 5.608e-15 ± 4.458e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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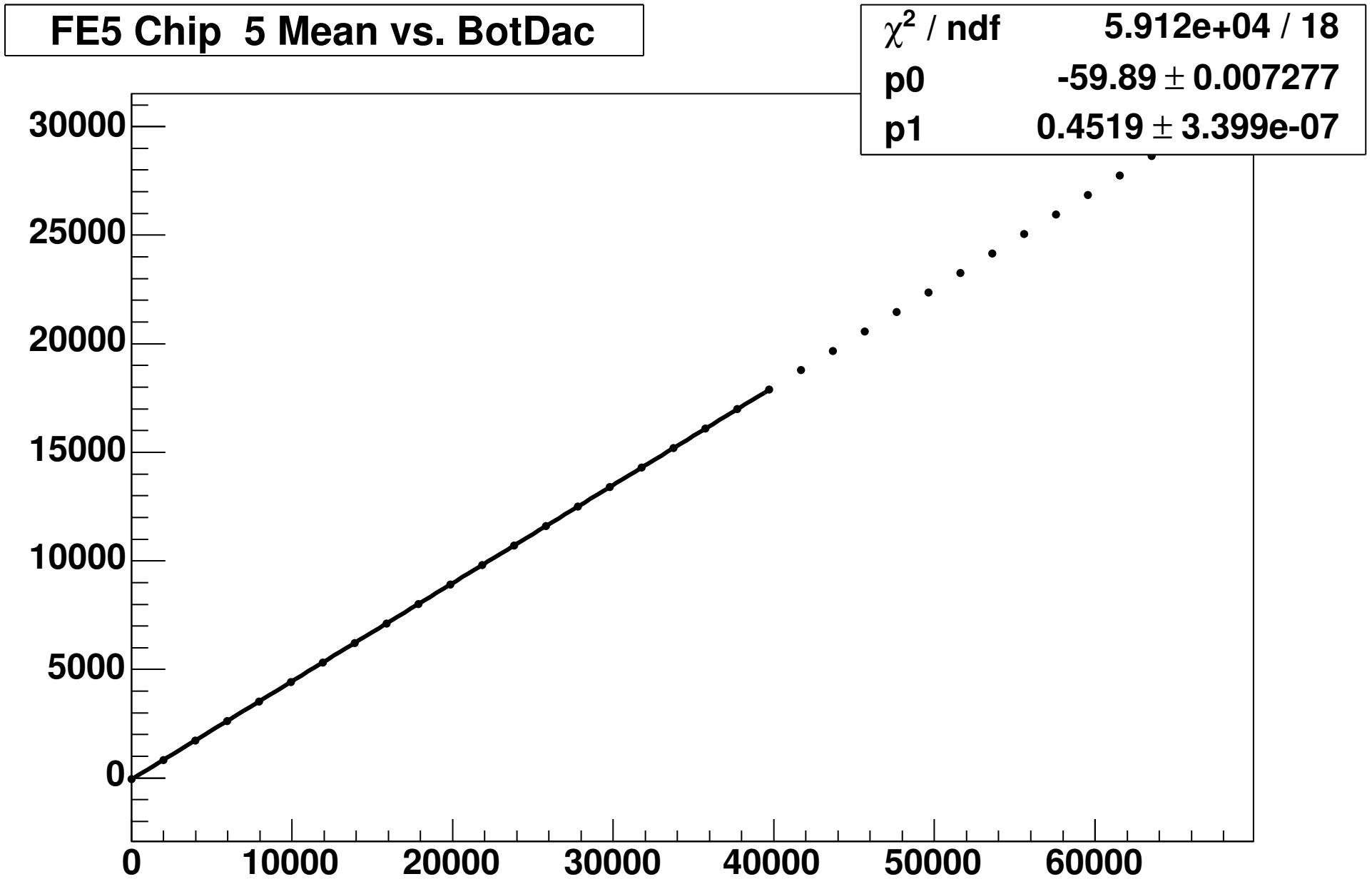
40000
50000
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 5.912e+04 / 18
p0 -59.89 ± 0.007277
p1 0.4519 ± 3.399e-07
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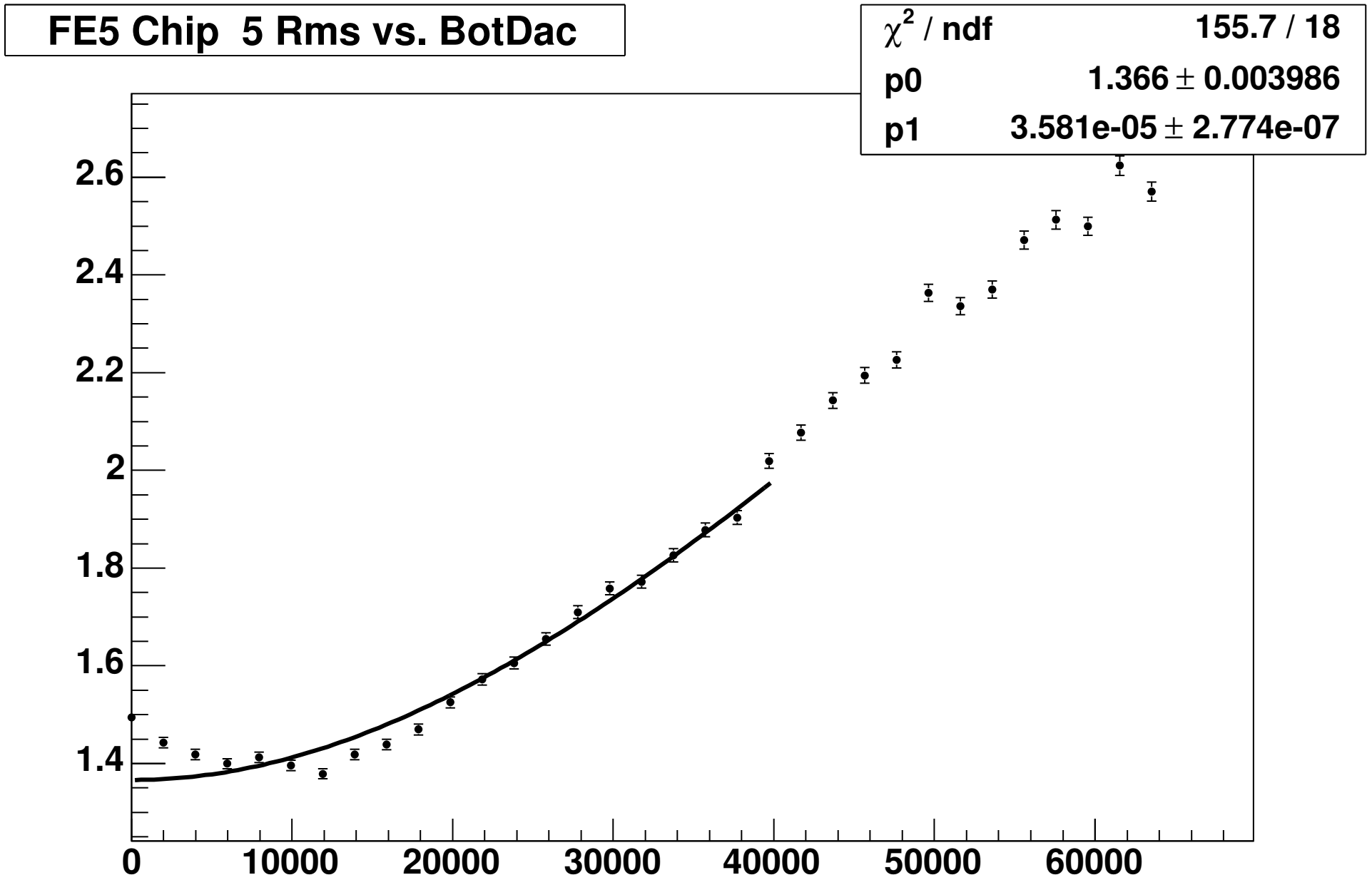
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 155.7 / 18
p0 1.366 ± 0.003986
p1 3.581e-05 ± 2.774e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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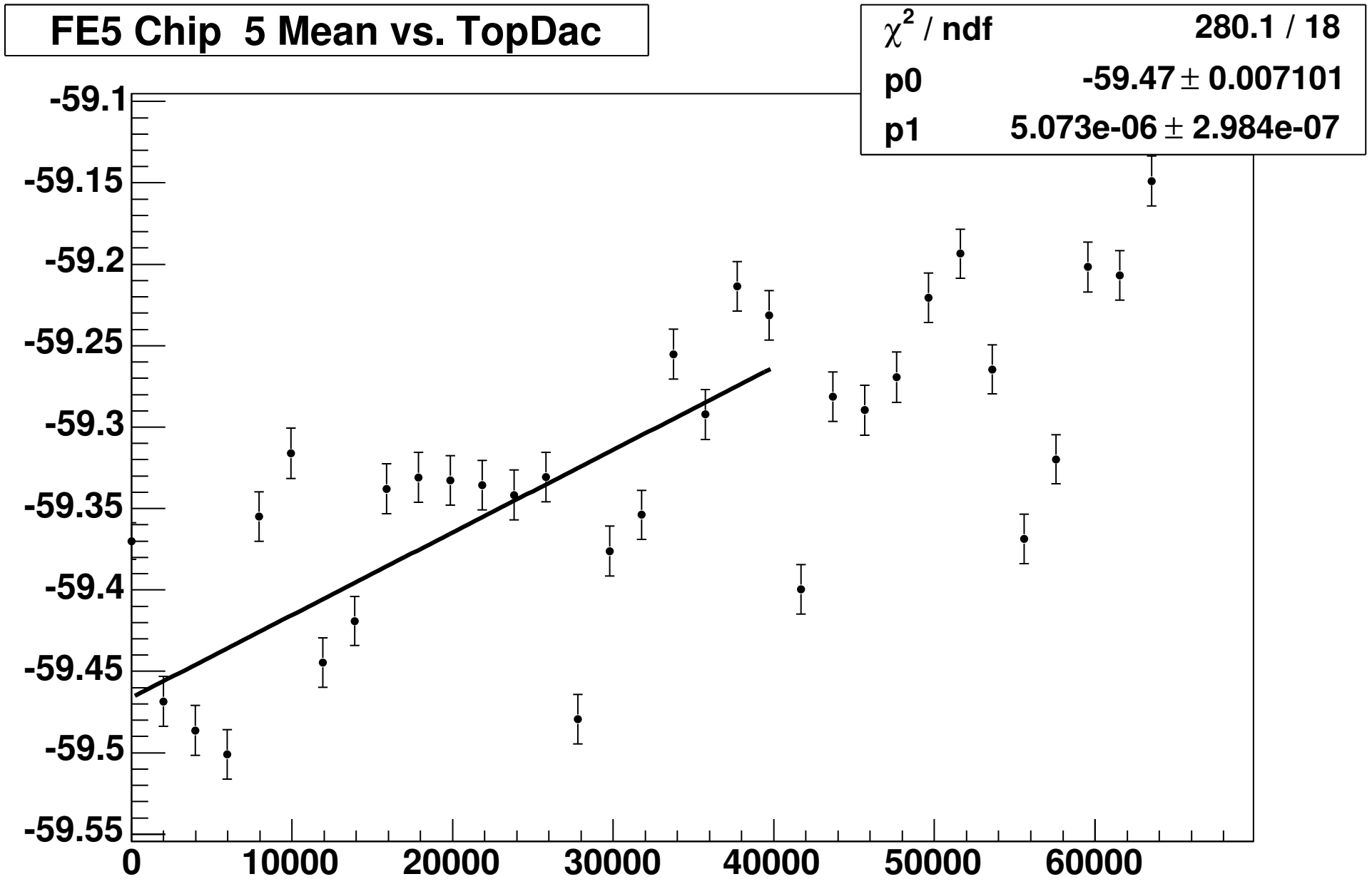
50000
60000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 280.1 / 18
p0 -59.47 ± 0.007101
p1 5.073e-06 ± 2.984e-07
-59.1
-59.15
-59.2
-59.25
-59.3
-59.35
-59.4
-59.45
-59.5
-59.55
0
10000
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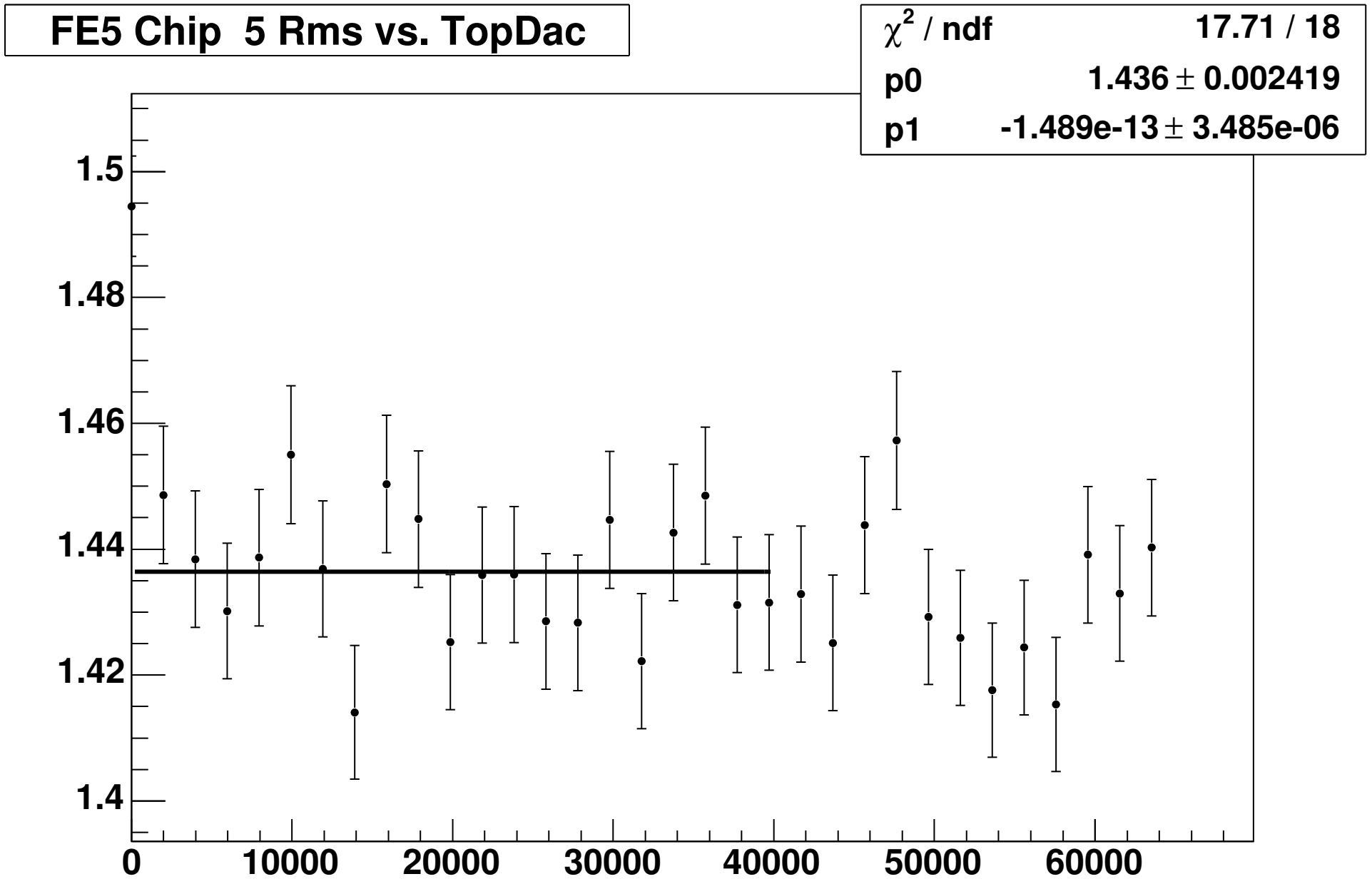
40000
50000
60000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 17.71 / 18
p0 1.436 ± 0.002419
p1 -1.489e-13 ± 3.485e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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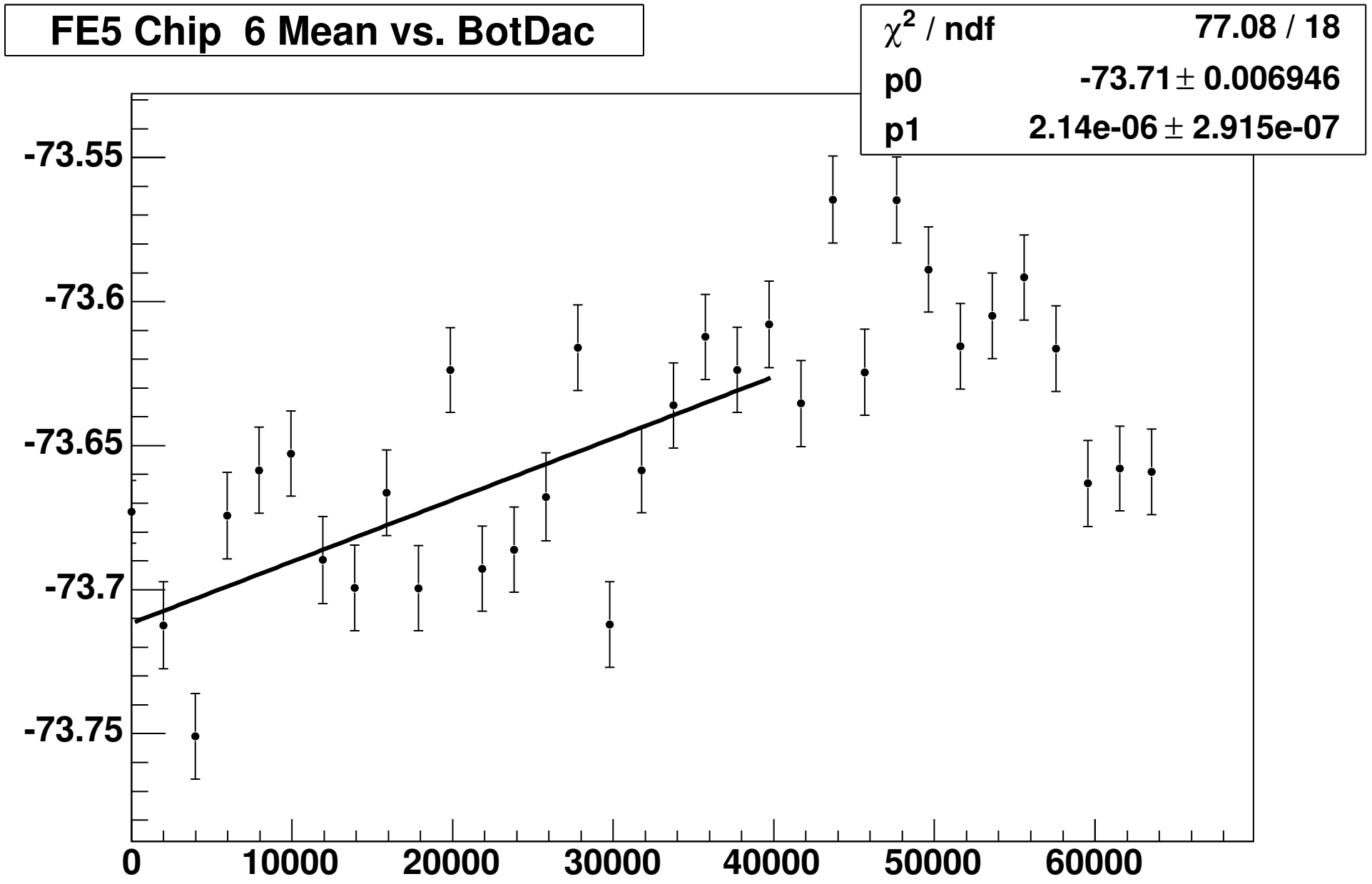
30000
40000
50000
60000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 77.08 / 18
p0 -73.71 ± 0.006946
p1 2.14e-06 ± 2.915e-07
-73.55
-73.6
-73.65
-73.7
-73.75
0
10000
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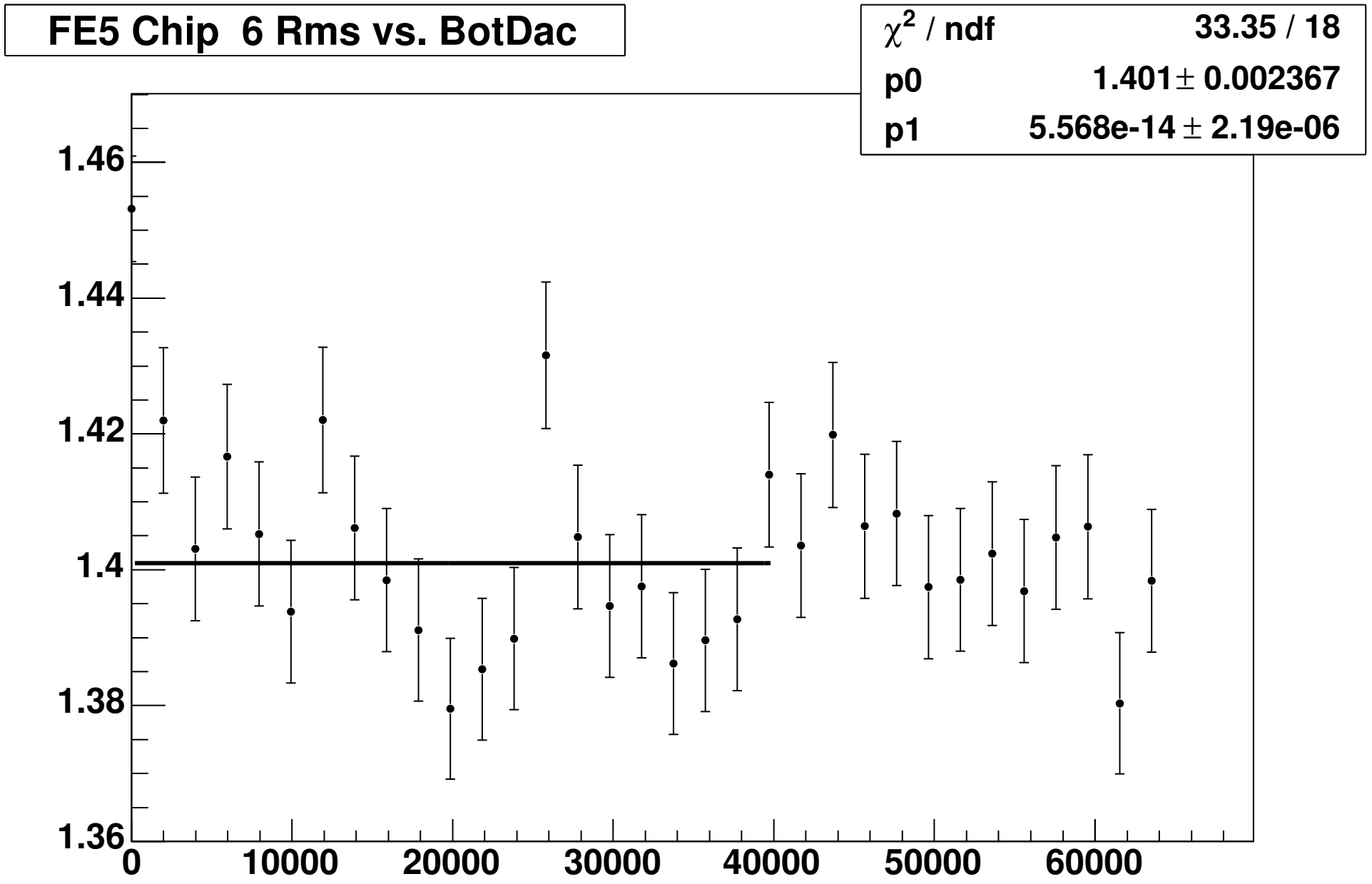
30000
40000
50000
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 33.35 / 18
p0 1.401 ± 0.002367
p1 5.568e-14 ± 2.19e-06
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
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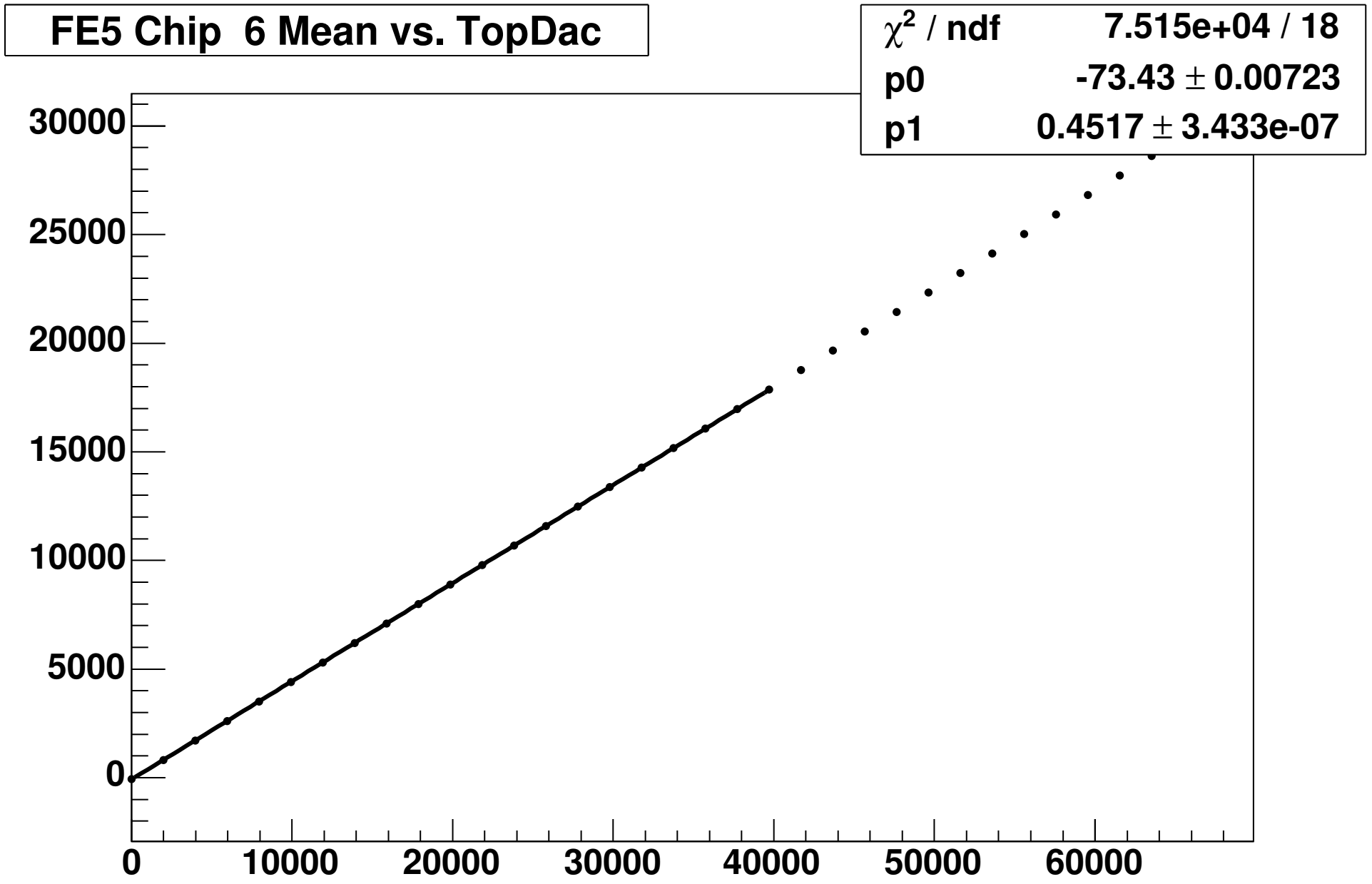
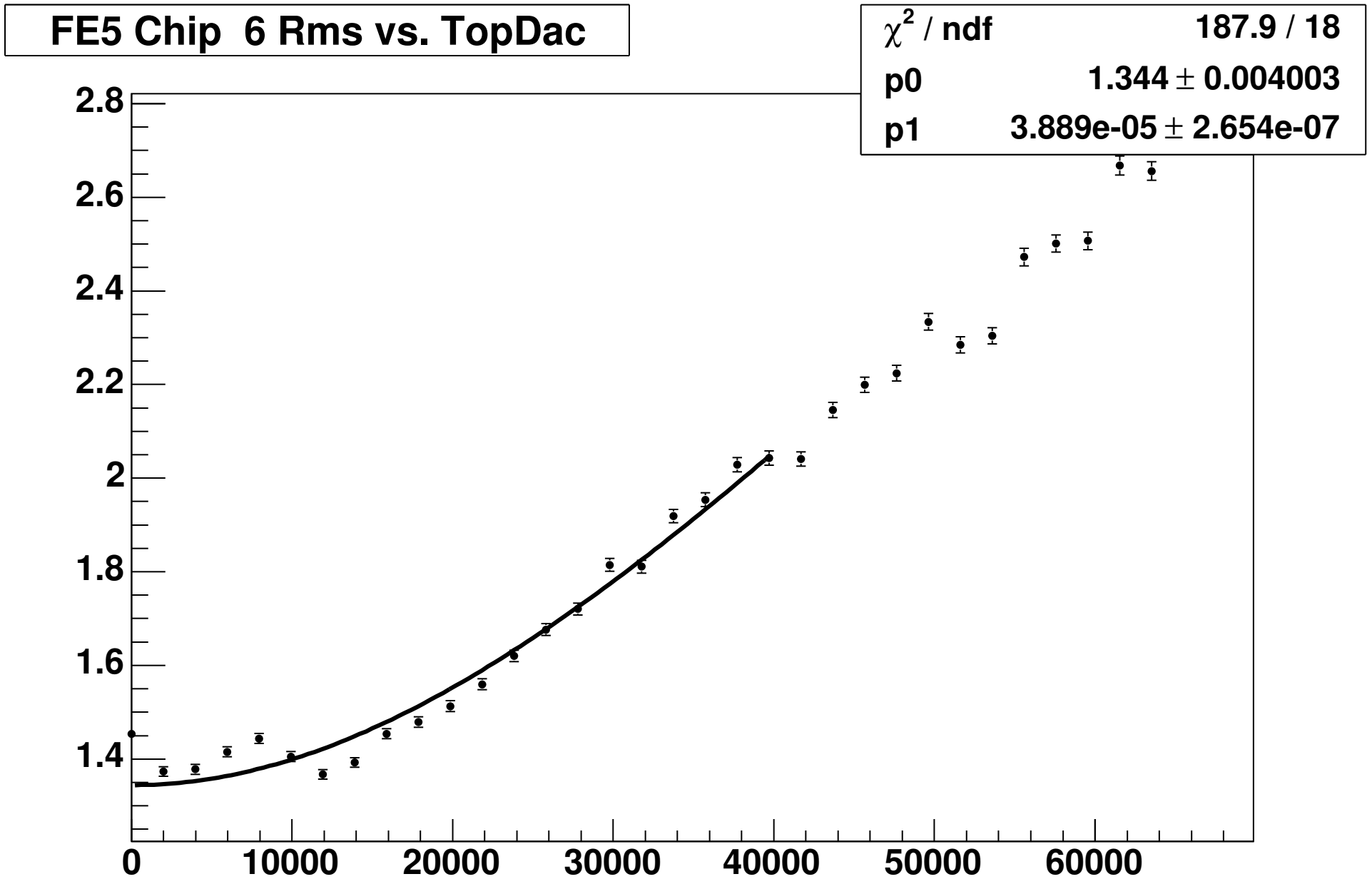
40000
50000
60000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.515e+04 / 18
p0 -73.43 ± 0.00723
p1 0.4517 ± 3.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 187.9 / 18
p0 1.344 ± 0.004003
p1 3.889e-05 ± 2.654e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
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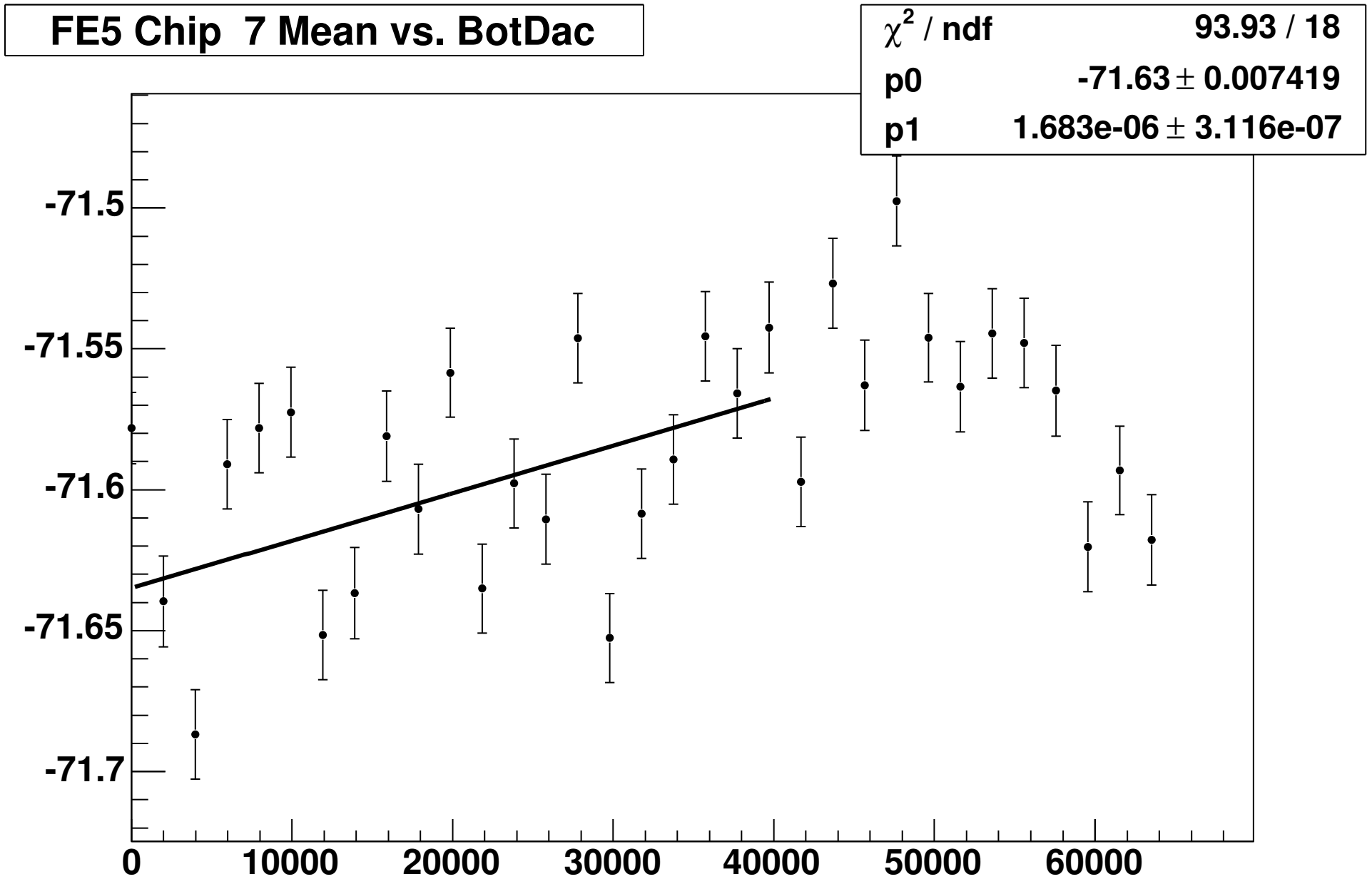
FE5 Chip 7 Mean vs. BotDac
χ^2 / ndf 93.93 / 18
p0 -71.63 ± 0.007419
p1 1.683e-06 ± 3.116e-07
-71.5
-71.55
-71.6
-71.65
-71.7
0
10000
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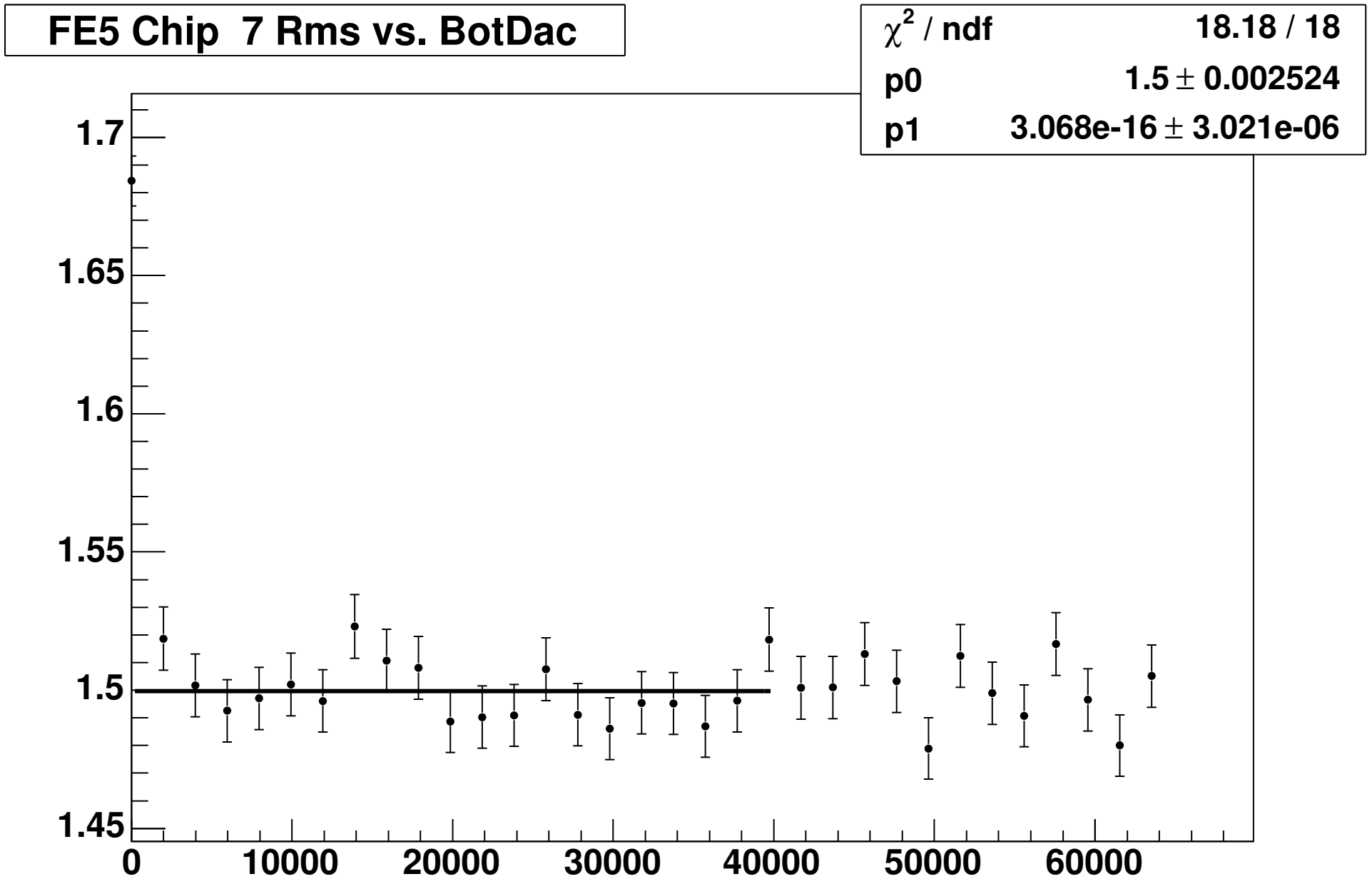
30000
40000
50000
60000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 18.18 / 18
p0 1.5 ± 0.002524
p1 3.068e-16 ± 3.021e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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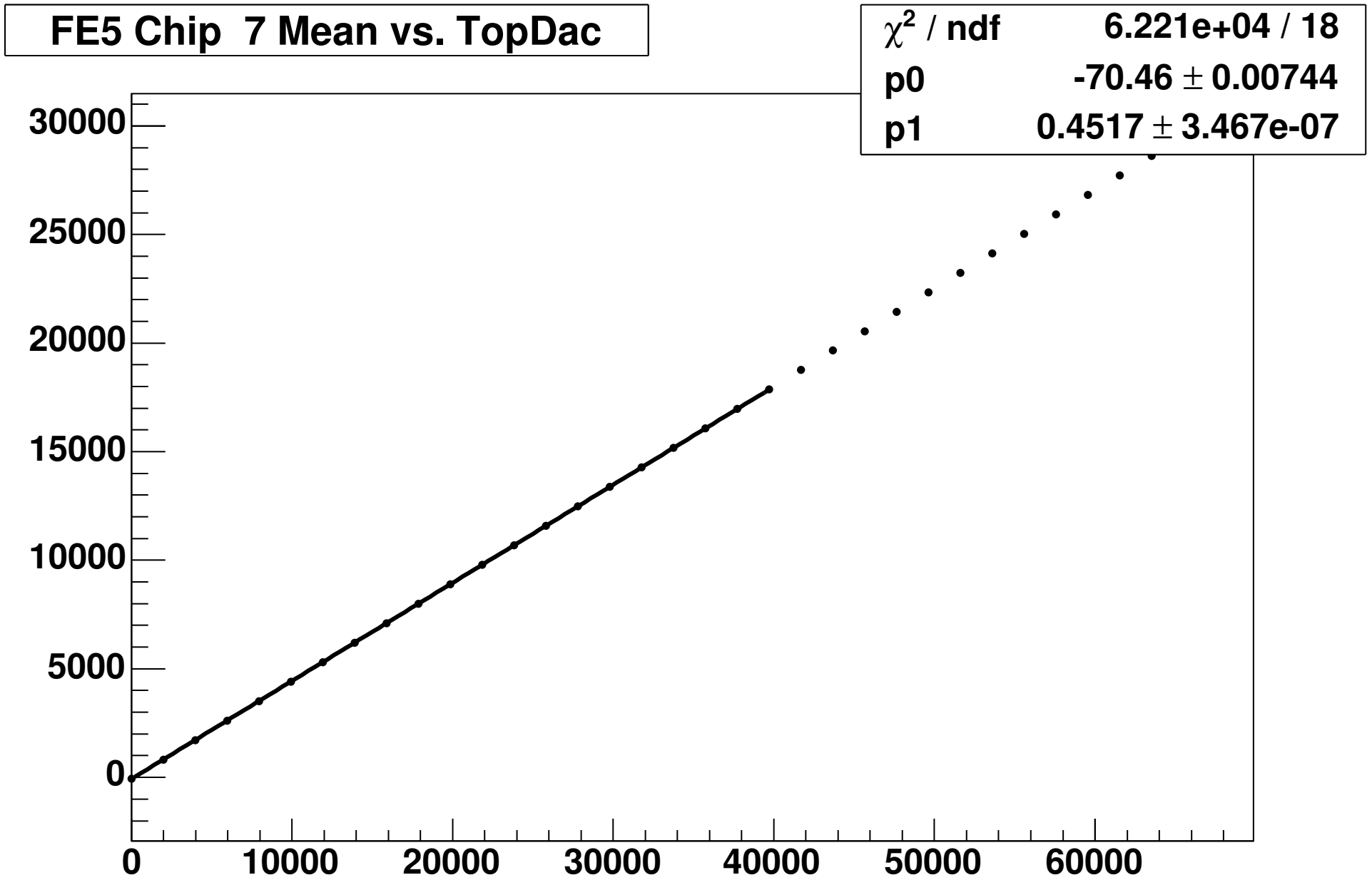
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 6.221e+04 / 18
p0 -70.46 ± 0.00744
p1 0.4517 ± 3.467e-07
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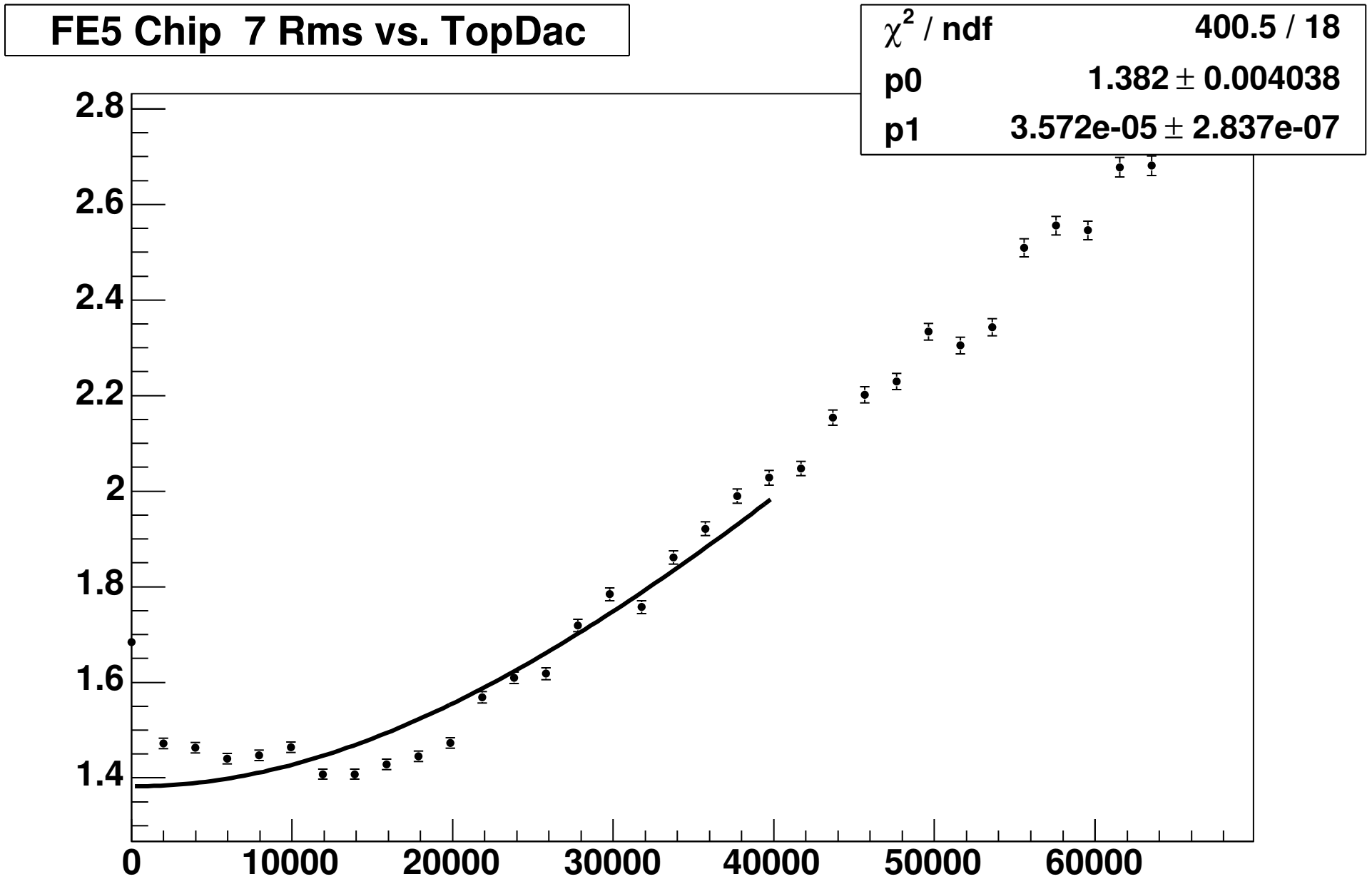
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 400.5 / 18
p0 1.382 ± 0.004038
p1 3.572e-05 ± 2.837e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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40000
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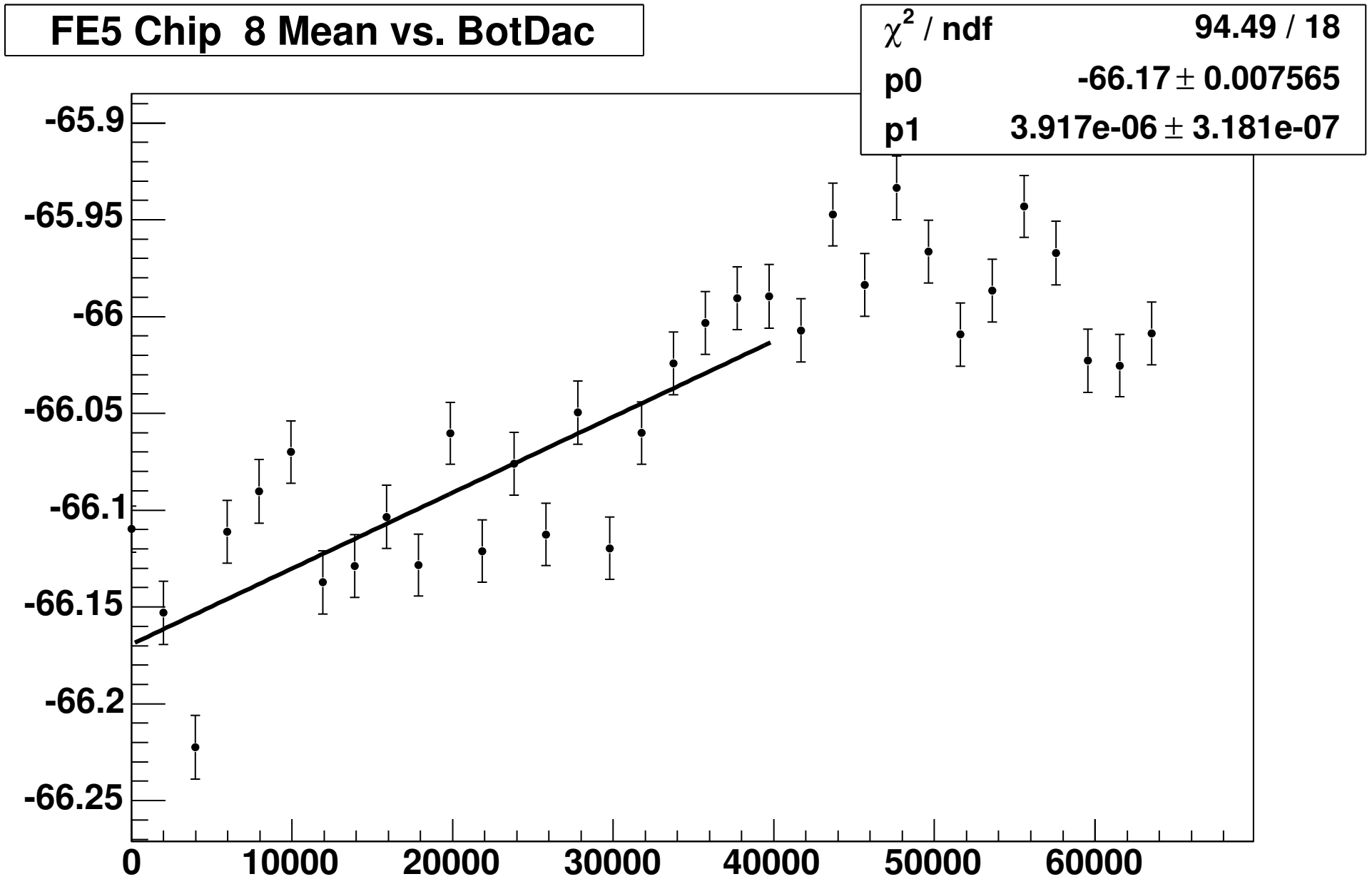
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 94.49 / 18
p0 -66.17 ± 0.007565
p1 3.917e-06 ± 3.181e-07
-65.9
-65.95
-66
-66.05
-66.1
-66.15
-66.2
-66.25
0
10000
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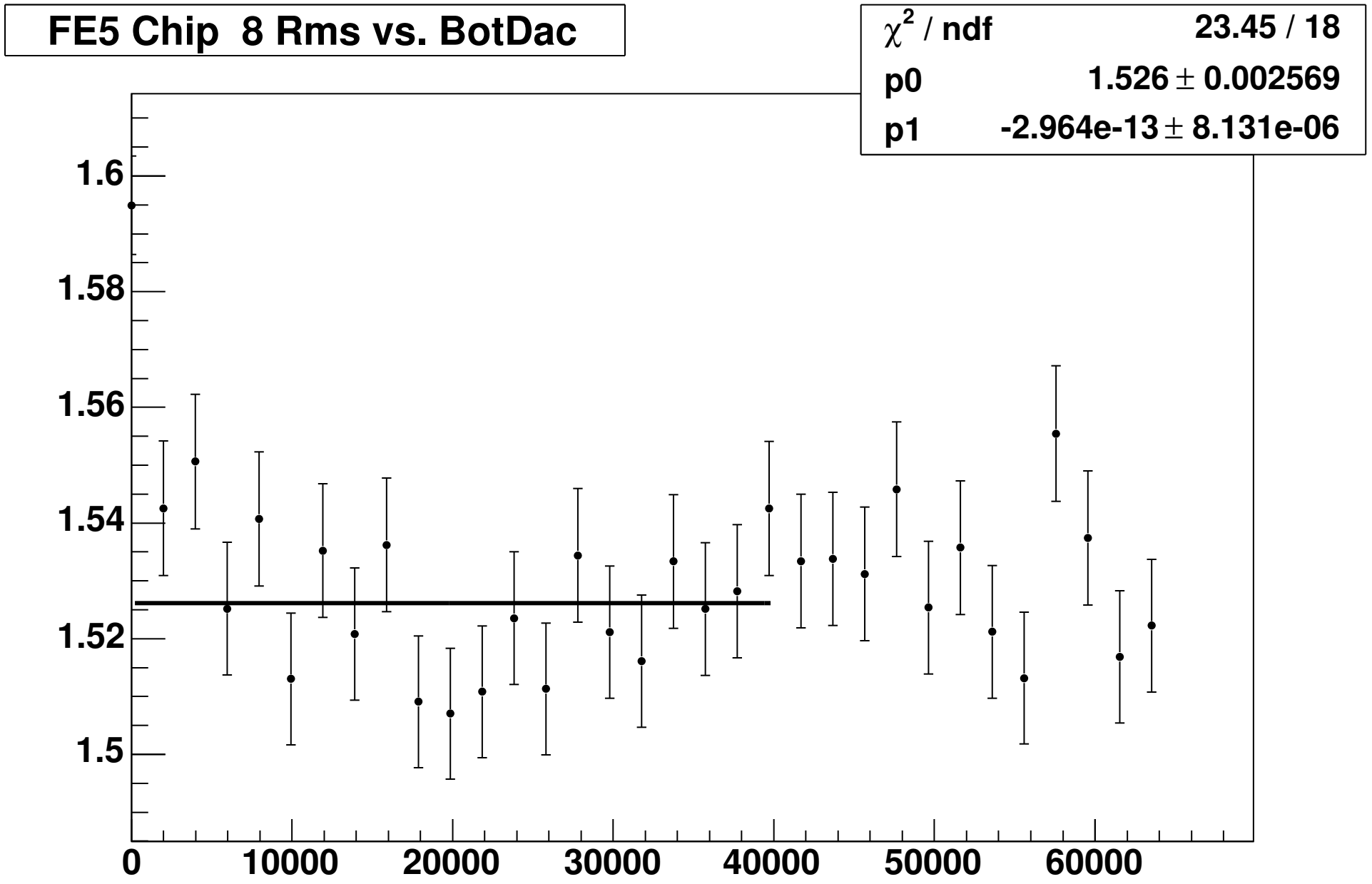
60000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 23.45 / 18
p0 1.526 ± 0.002569
p1 -2.964e-13 ± 8.131e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
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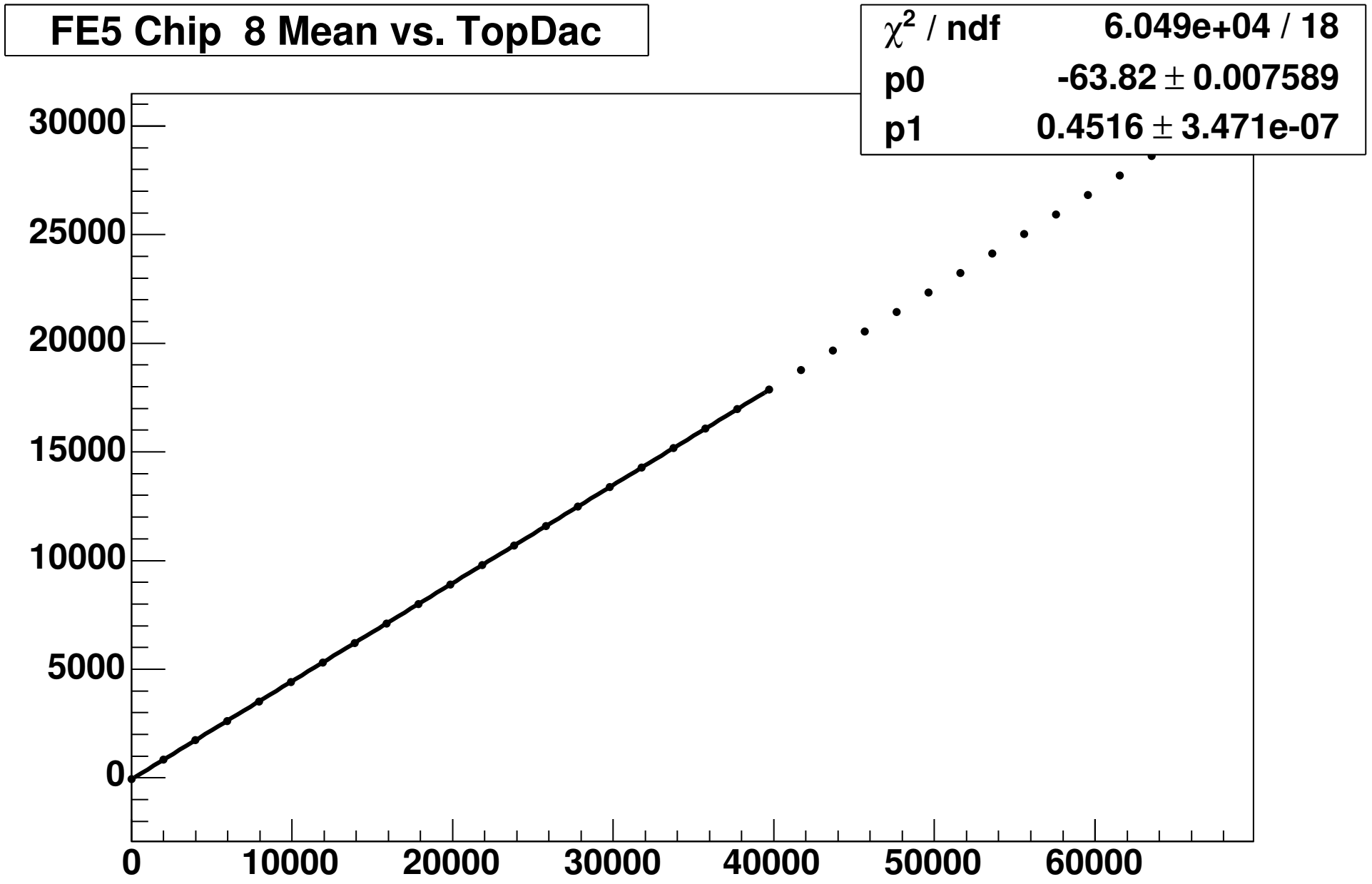
60000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 6.049e+04 / 18
p0 -63.82 ± 0.007589
p1 0.4516 ± 3.471e-07
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25000
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10000
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0
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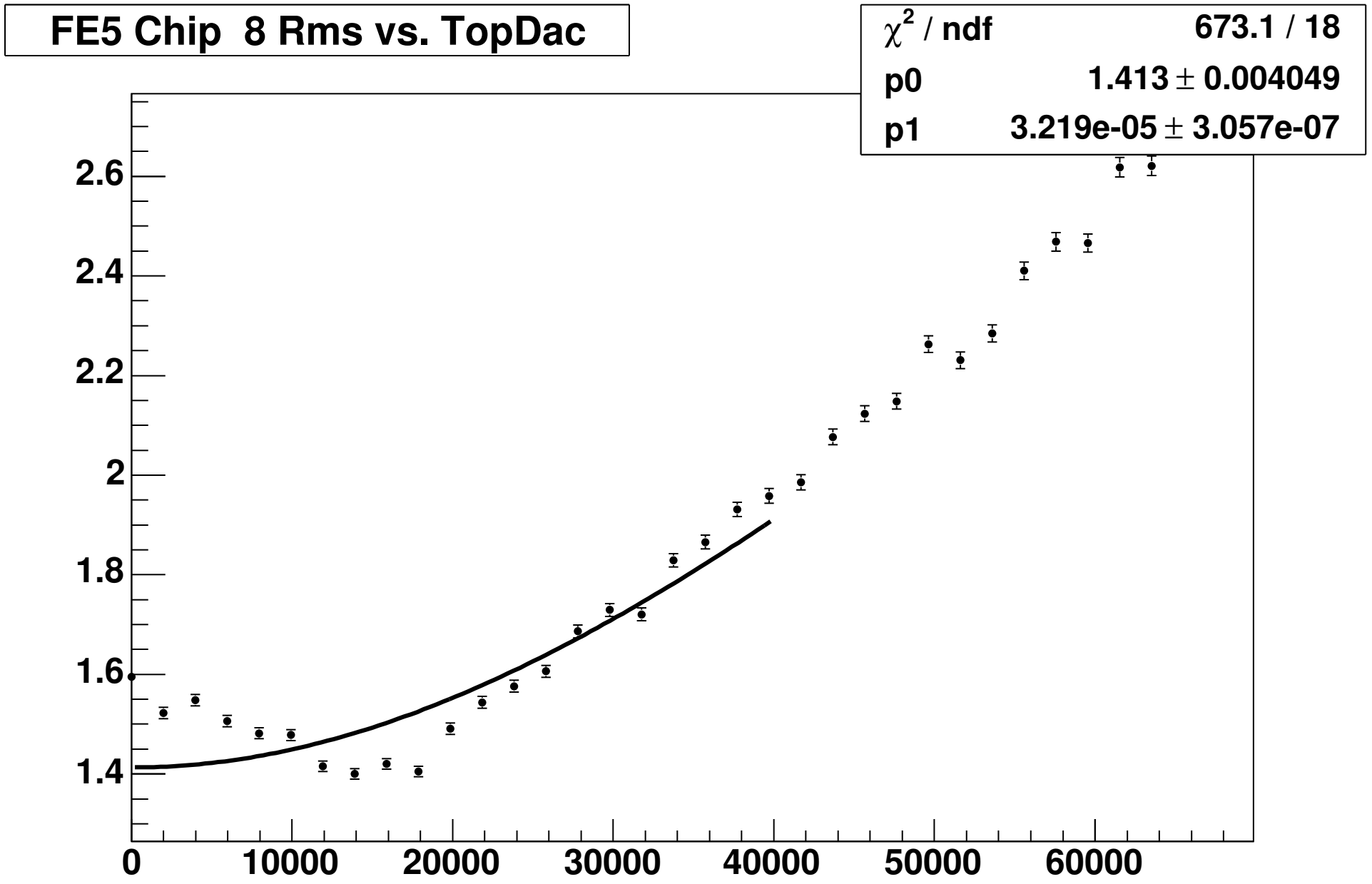
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 673.1 / 18
p0 1.413 ± 0.004049
p1 3.219e-05 ± 3.057e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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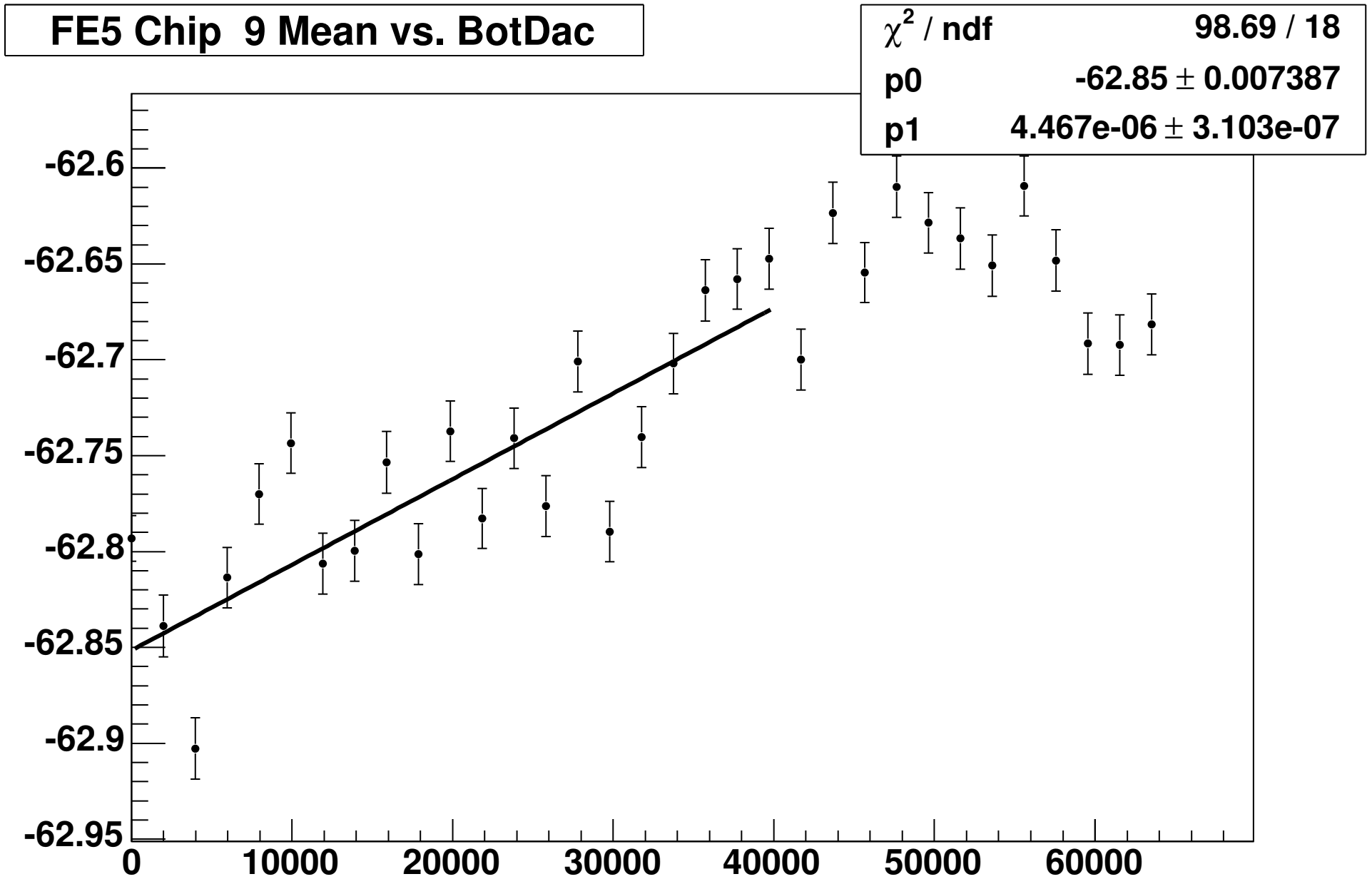
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 98.69 / 18
p0 -62.85 ± 0.007387
p1 4.467e-06 ± 3.103e-07
-62.6
-62.65
-62.7
-62.75
-62.8
-62.85
-62.9
-62.95
0
10000
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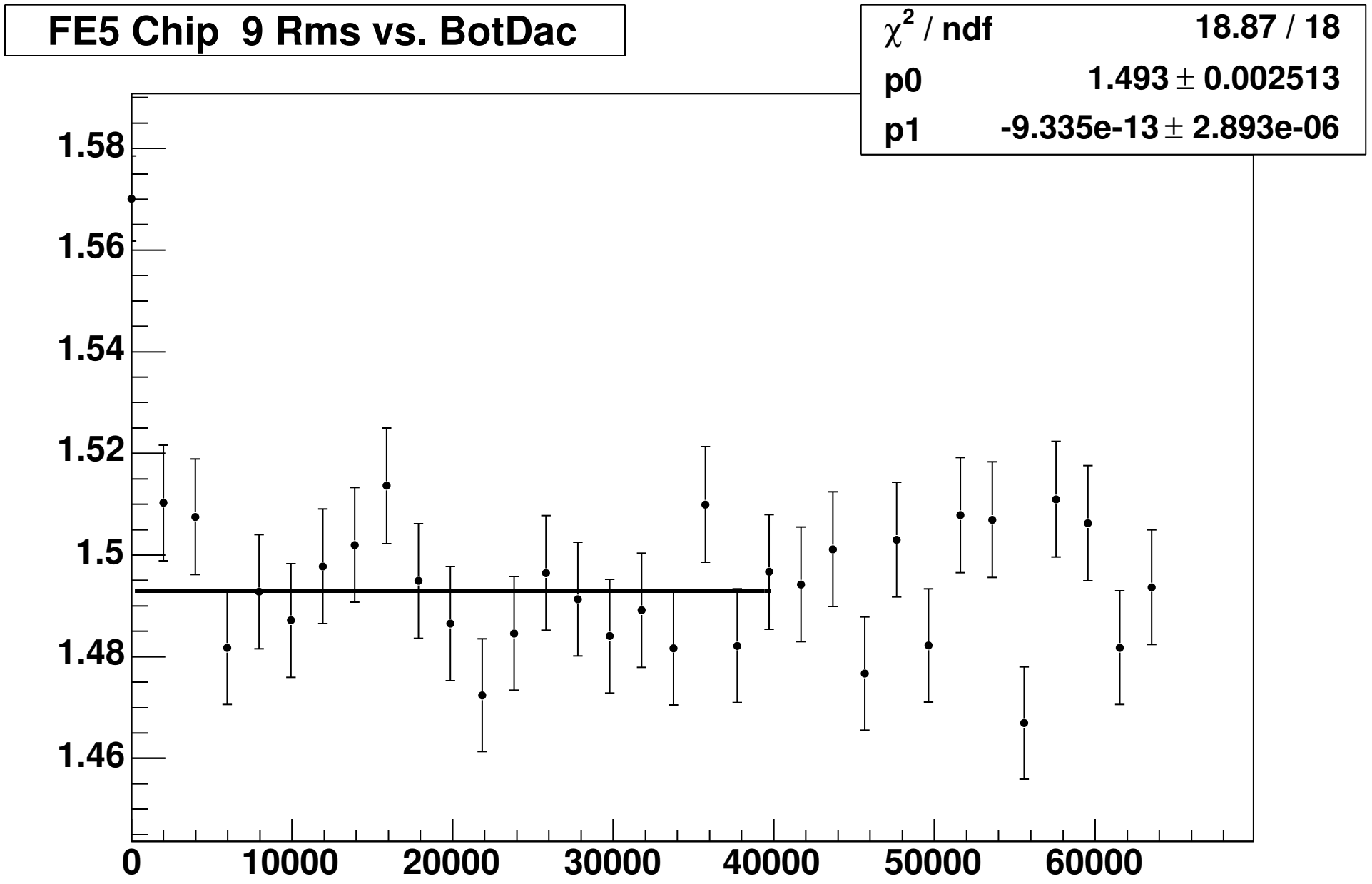
60000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 18.87 / 18
p0 1.493 ± 0.002513
p1 -9.335e-13 ± 2.893e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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30000
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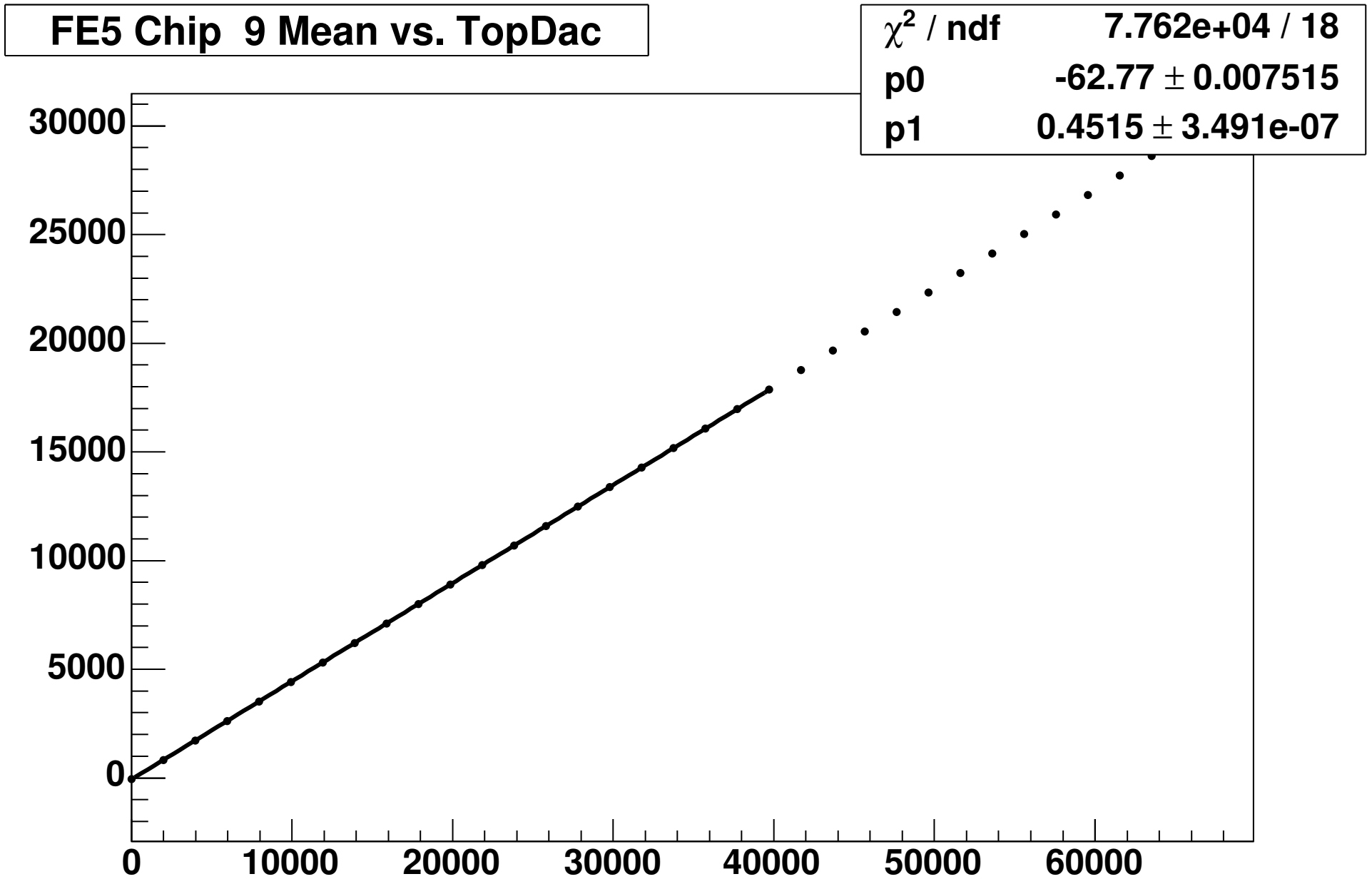
60000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 7.762e+04 / 18
p0 -62.77 ± 0.007515
p1 0.4515 ± 3.491e-07
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25000
20000
15000
10000
5000
0
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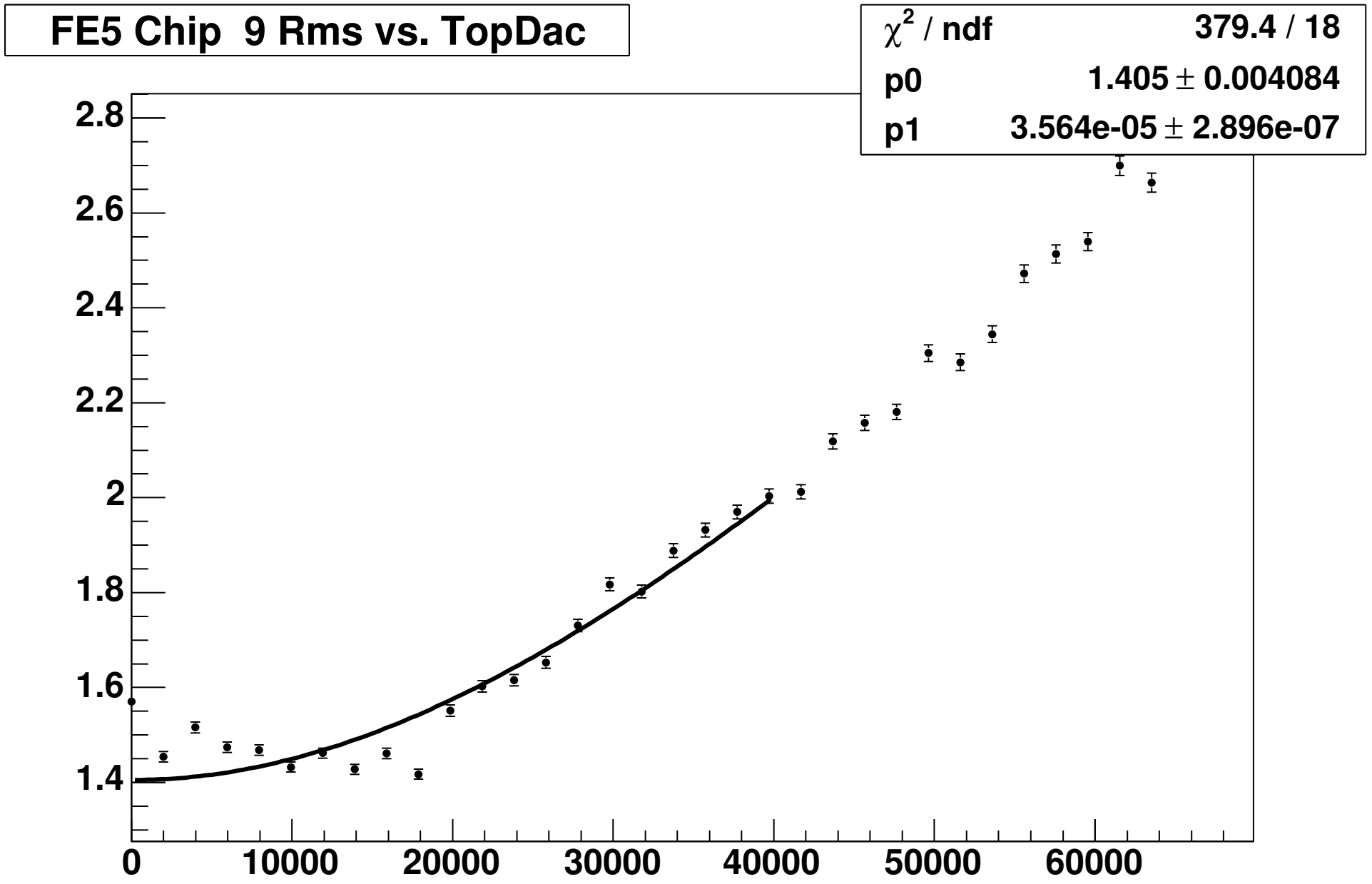
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 379.4 / 18
p0 1.405 ± 0.004084
p1 3.564e-05 ± 2.896e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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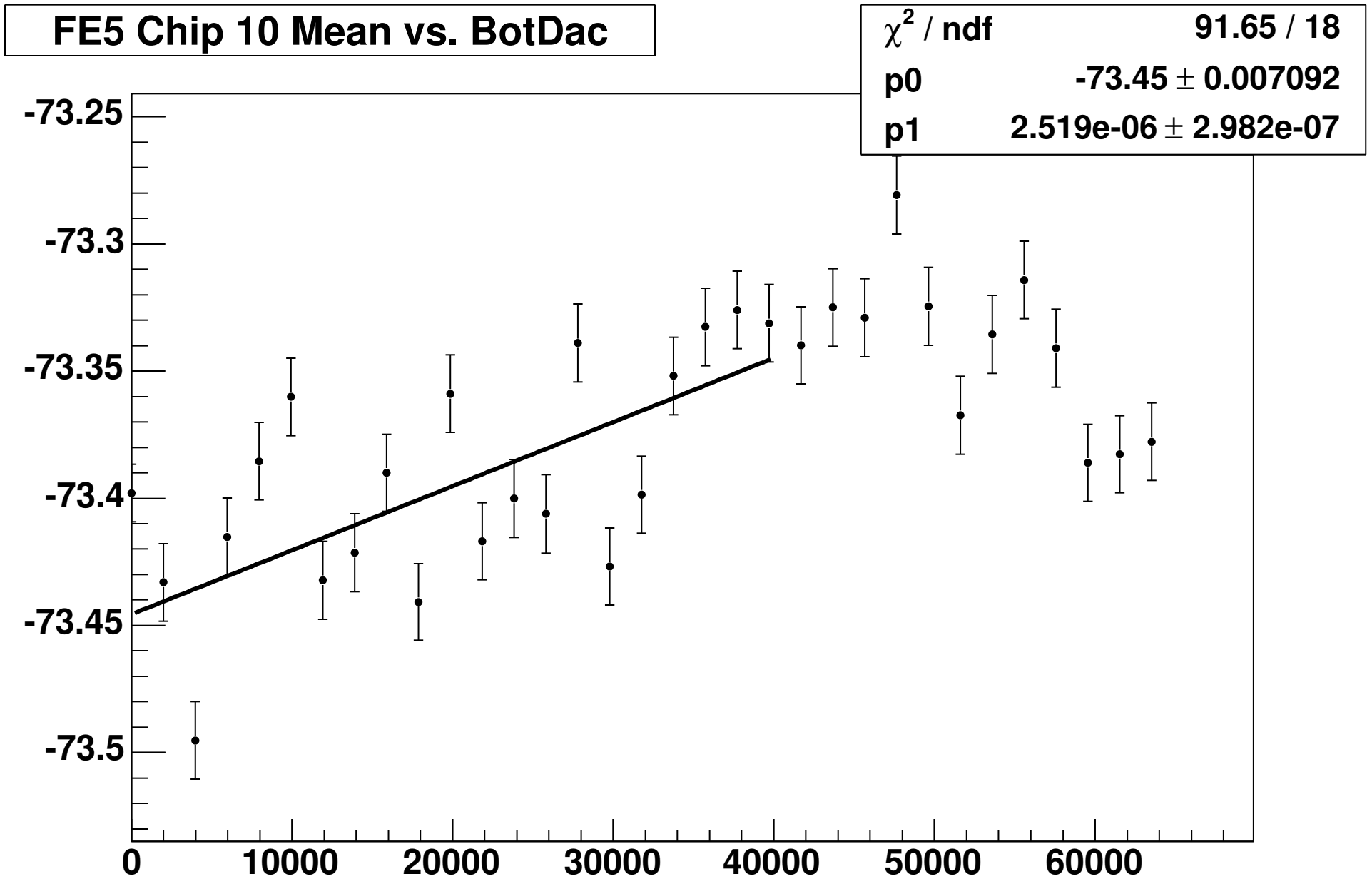
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 91.65 / 18
p0 -73.45 ± 0.007092
p1 2.519e-06 ± 2.982e-07
-73.25
-73.3
-73.35
-73.4
-73.45
-73.5
0
10000
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30000
40000
50000
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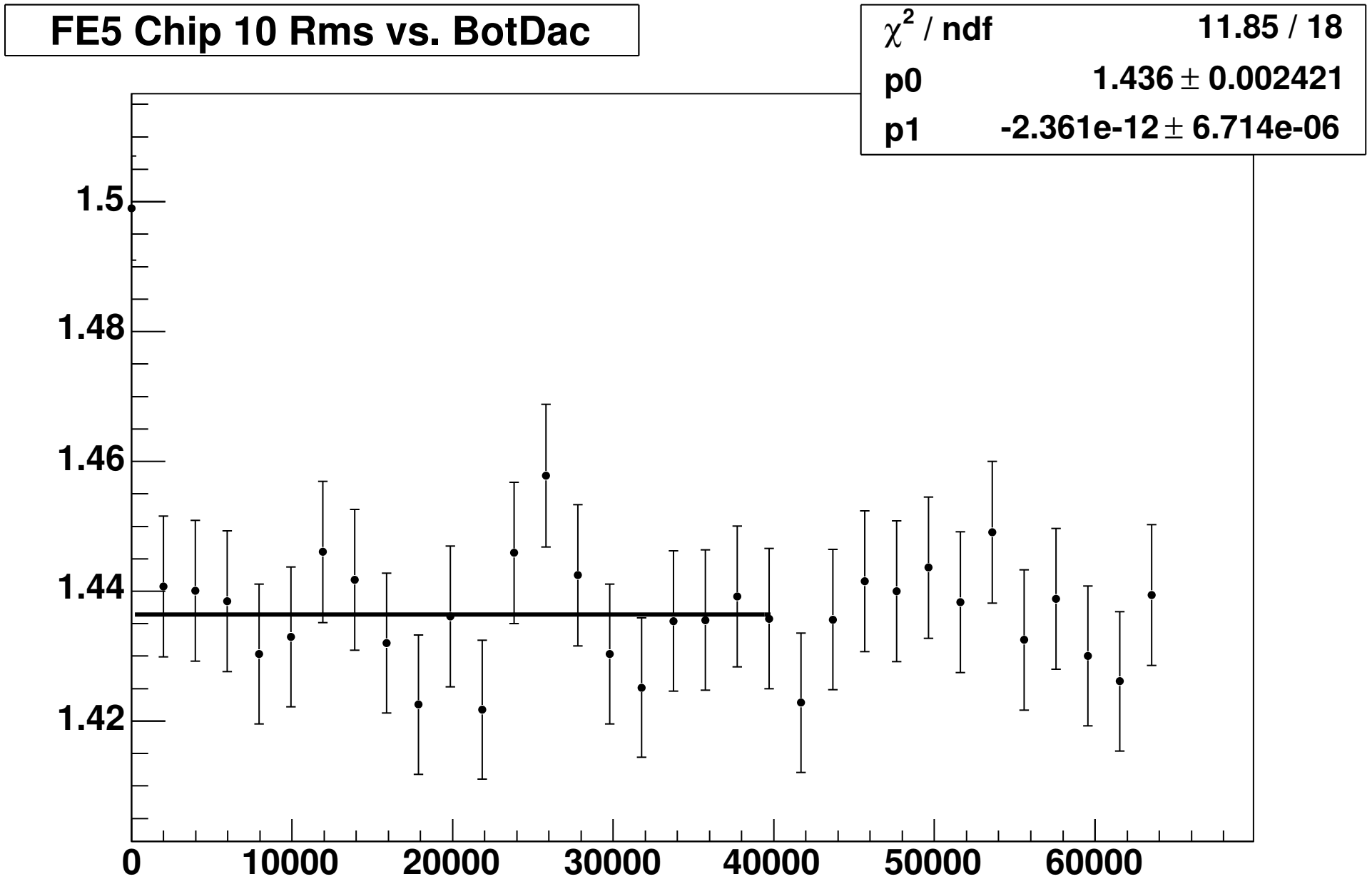
FE5 Chip 10 Rms vs. BotDac
χ² / ndf 11.85 / 18
p0 1.436 ± 0.002421
p1 -2.361e-12 ± 6.714e-06
1.5
1.48
1.46
1.44
1.42
0
10000
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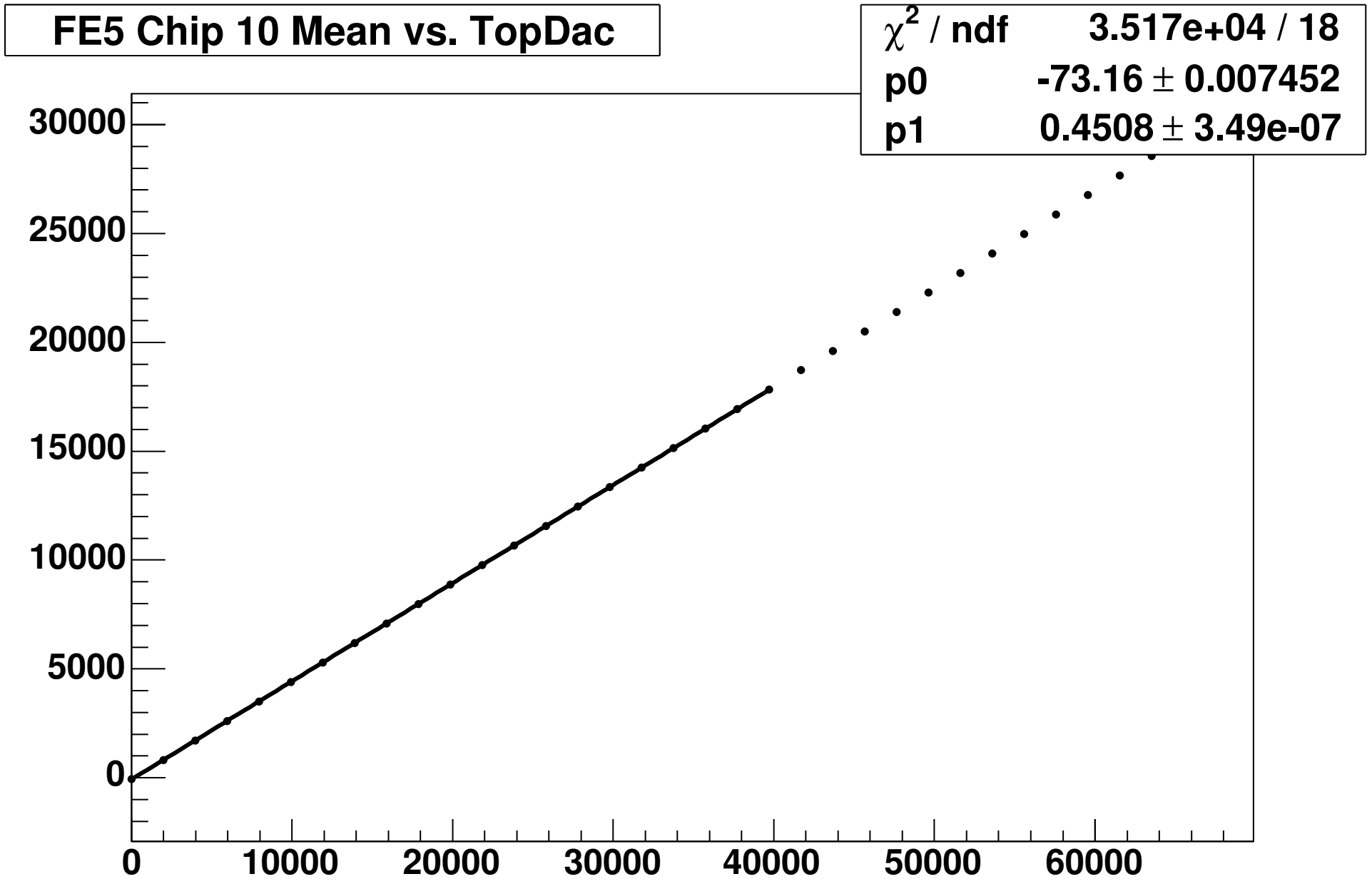
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 3.517e+04 / 18
p0 -73.16 ± 0.007452
p1 0.4508 ± 3.49e-07
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10000
5000
0
0
10000
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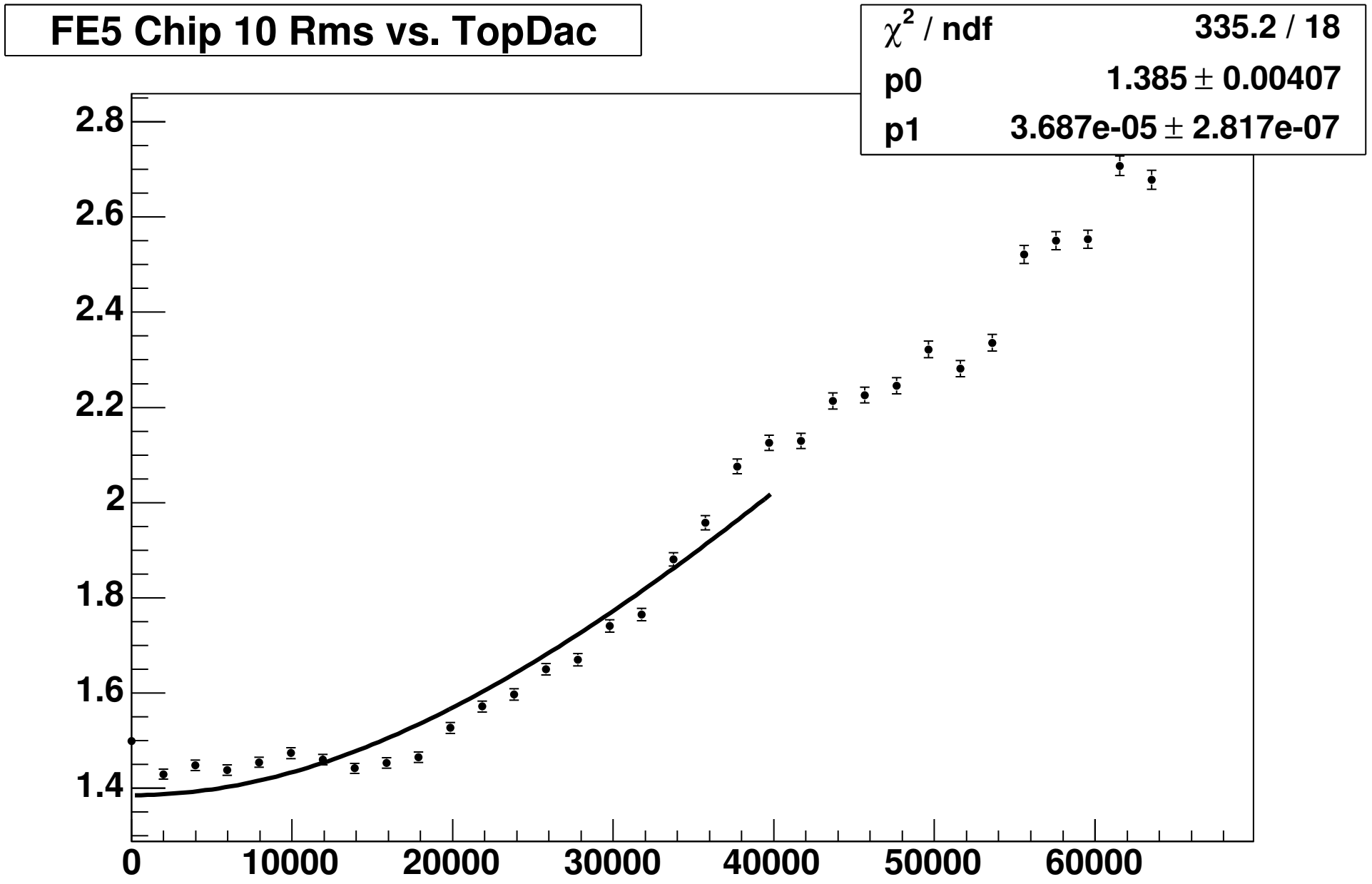
FE5 Chip 10 Rms vs. TopDac
χ² / ndf 335.2 / 18
p0 1.385 ± 0.00407
p1 3.687e-05 ± 2.817e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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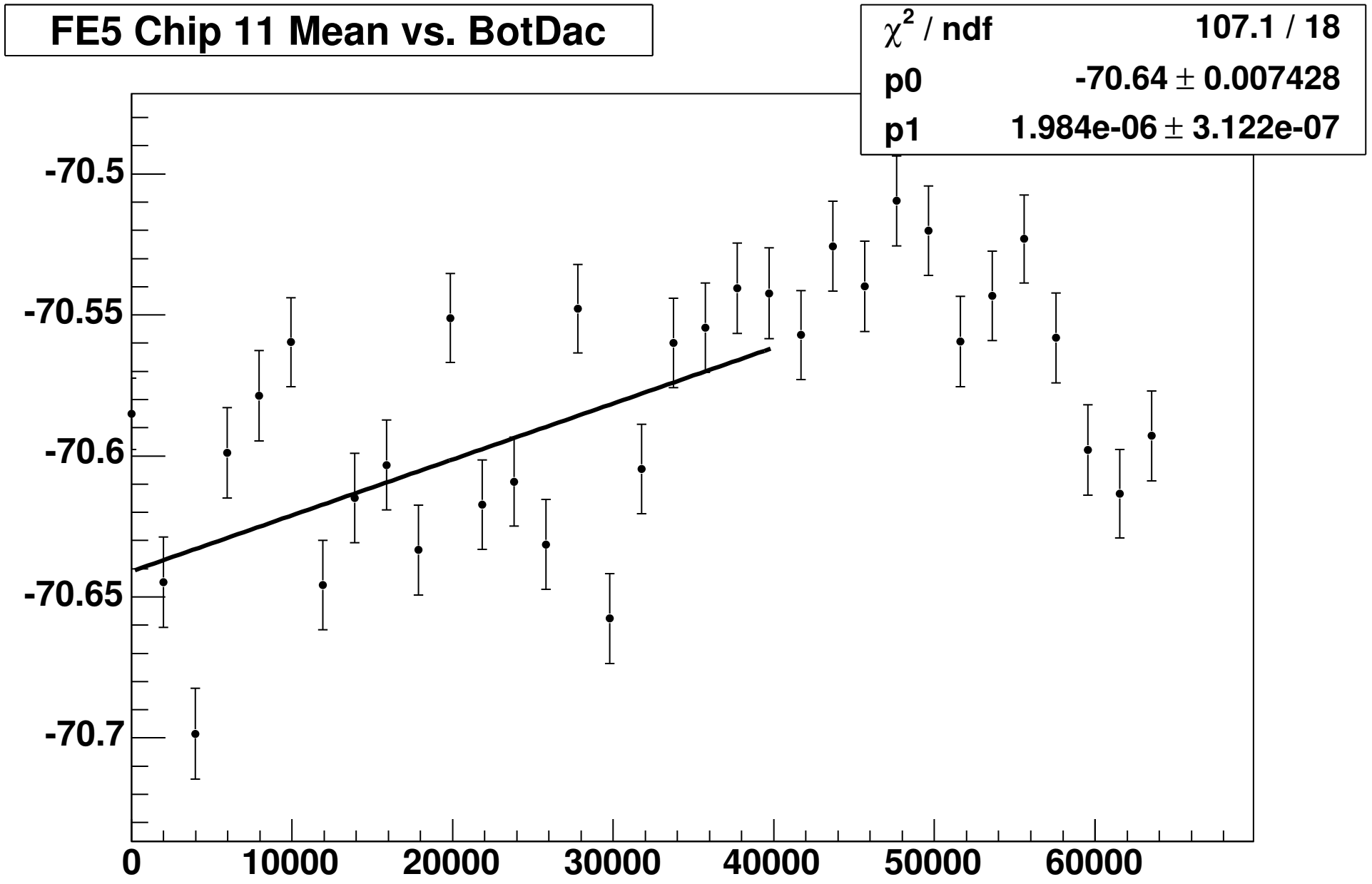
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 107.1 / 18
p0 -70.64 ± 0.007428
p1 1.984e-06 ± 3.122e-07
-70.5
-70.55
-70.6
-70.65
-70.7
0
10000
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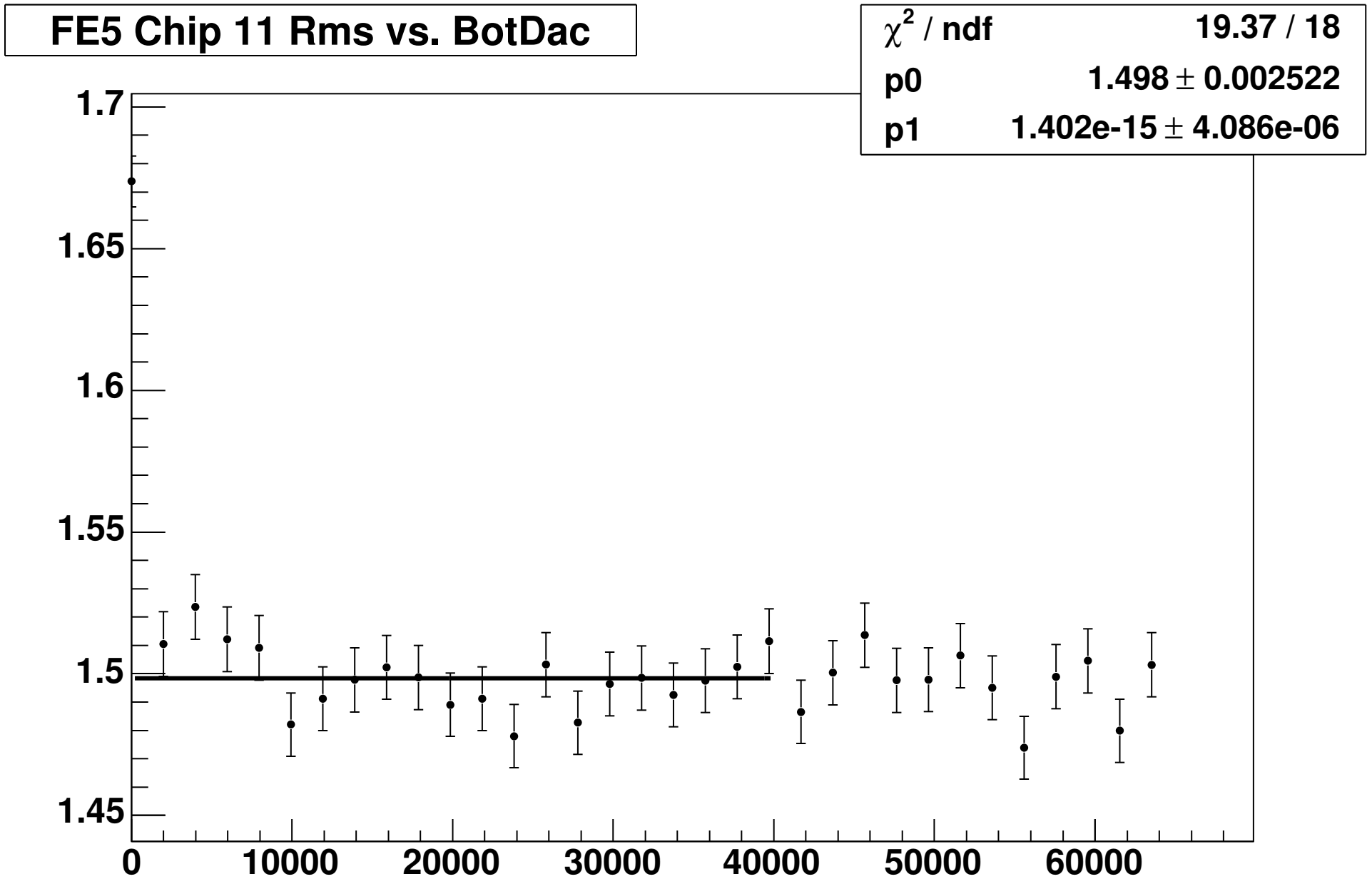
50000
60000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 19.37 / 18
p0 1.498 ± 0.002522
p1 1.402e-15 ± 4.086e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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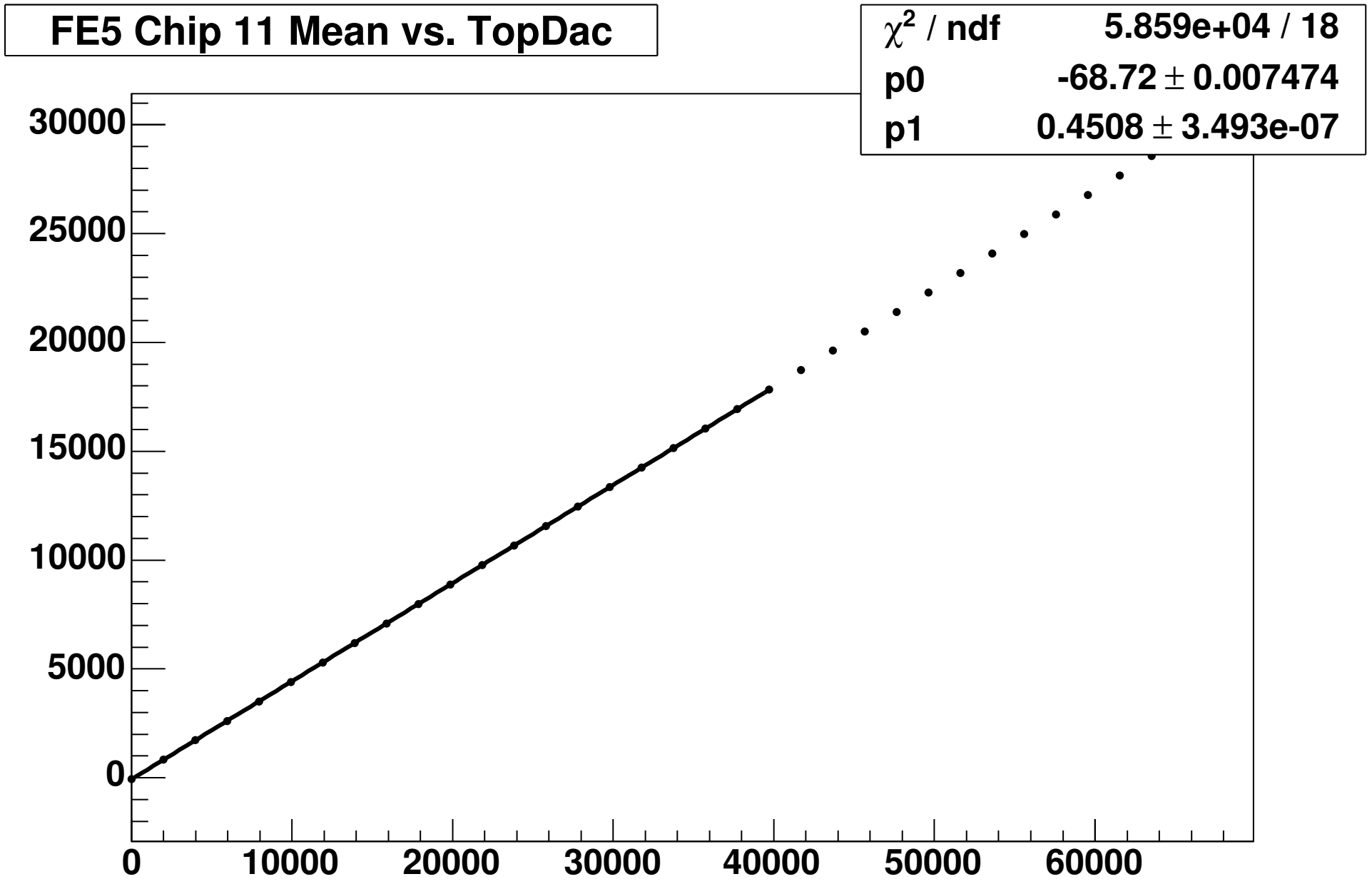
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 5.859e+04 / 18
p0 -68.72 ± 0.007474
p1 0.4508 ± 3.493e-07
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0
10000
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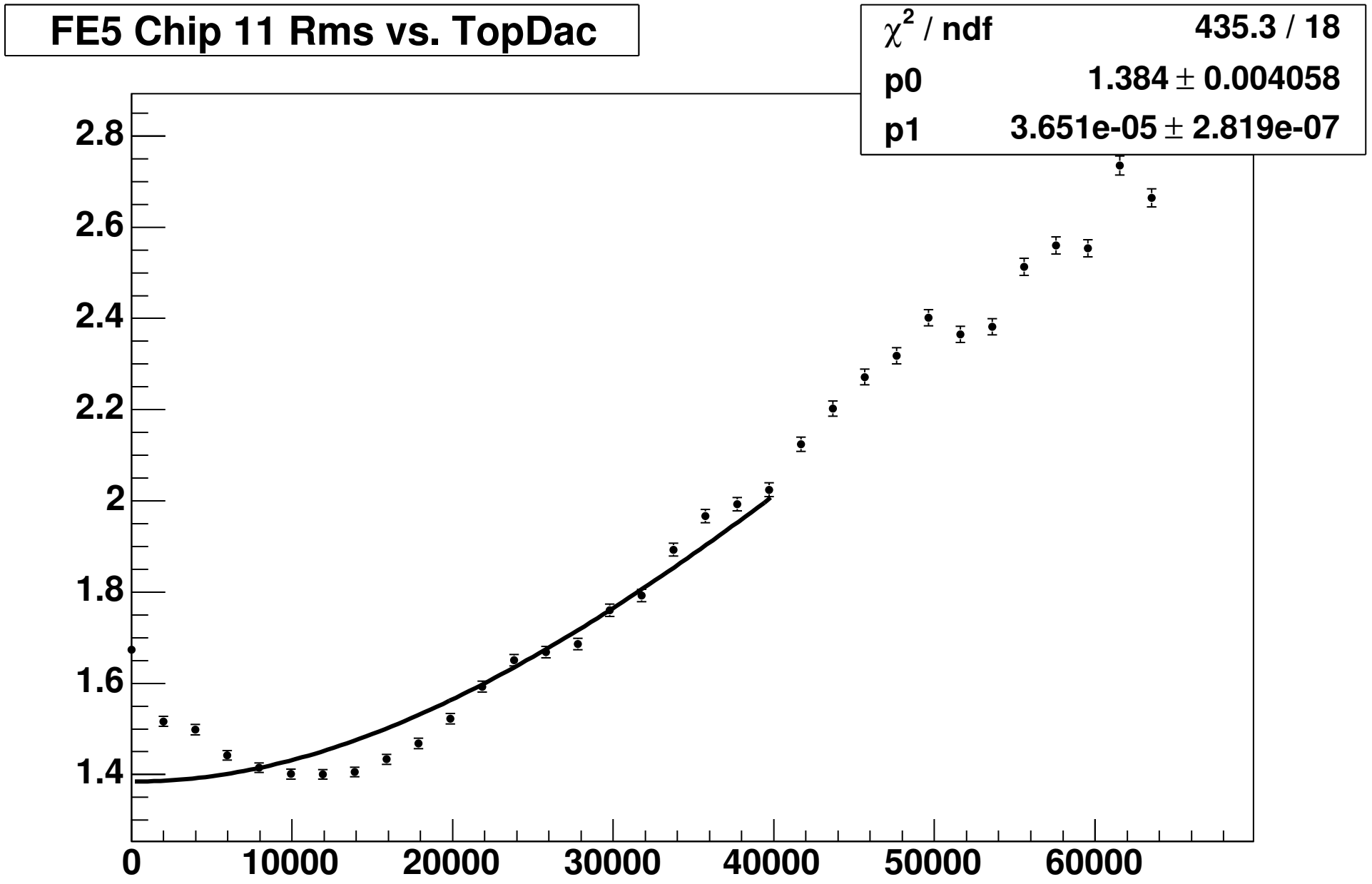
50000
60000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 435.3 / 18
p0 1.384 ± 0.004058
p1 3.651e-05 ± 2.819e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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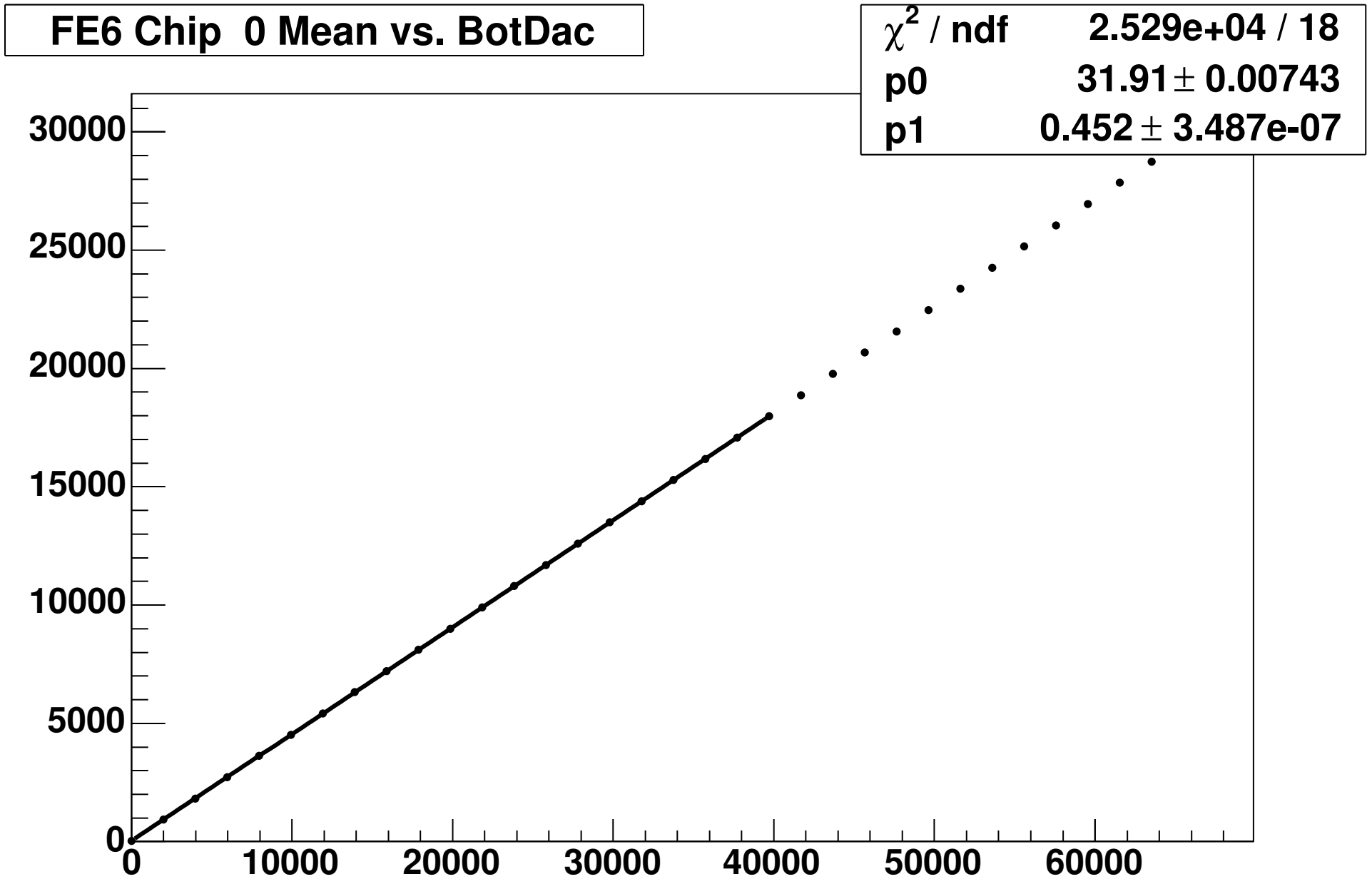
FE6 Chip 0 Mean vs. BotDac
χ^2 / ndf 2.529e+04 / 18
p0 31.91 ± 0.00743
p1 0.452 ± 3.487e-07
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25000
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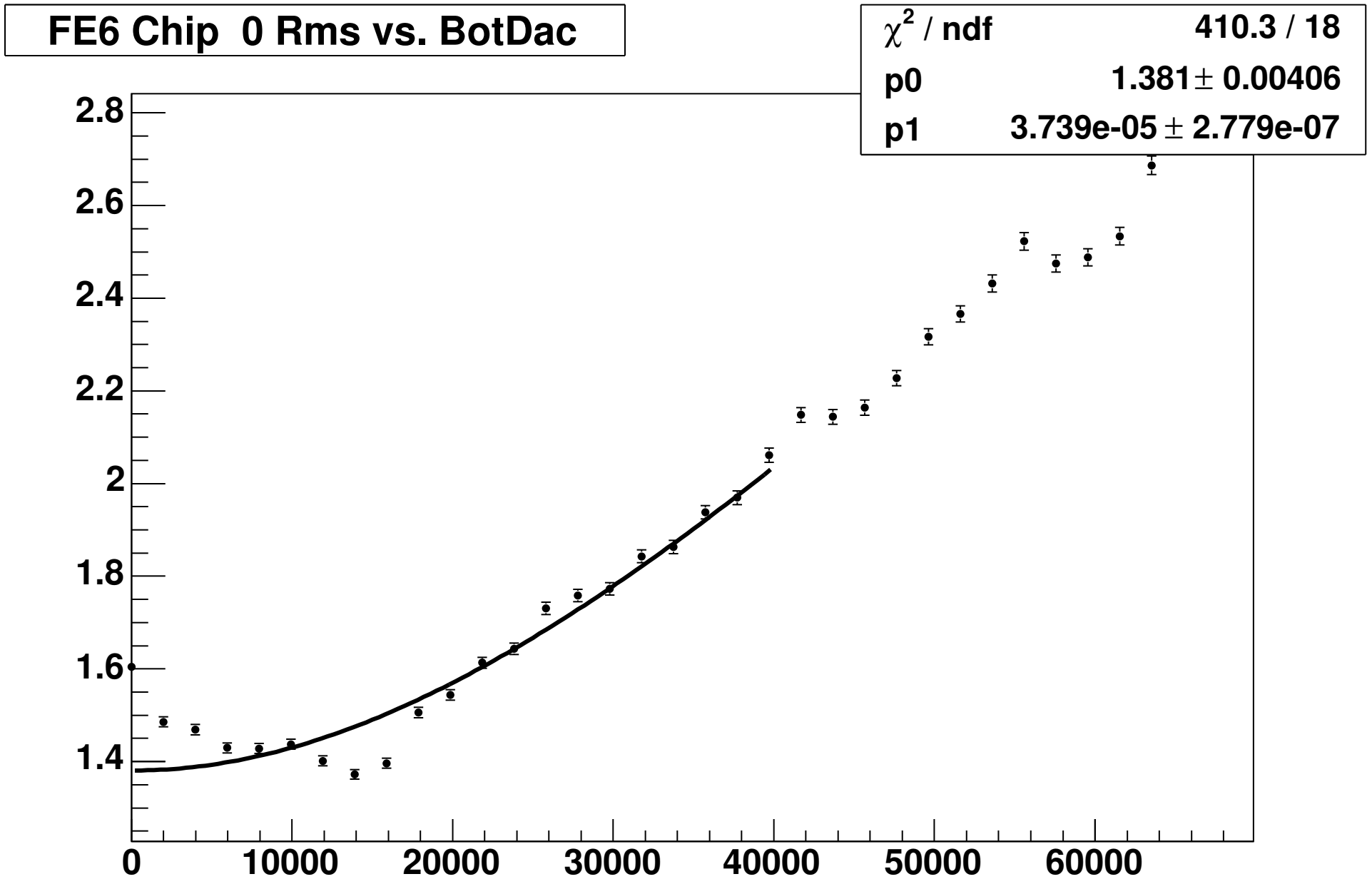
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 410.3 / 18
p0 1.381 ± 0.00406
p1 3.739e-05 ± 2.779e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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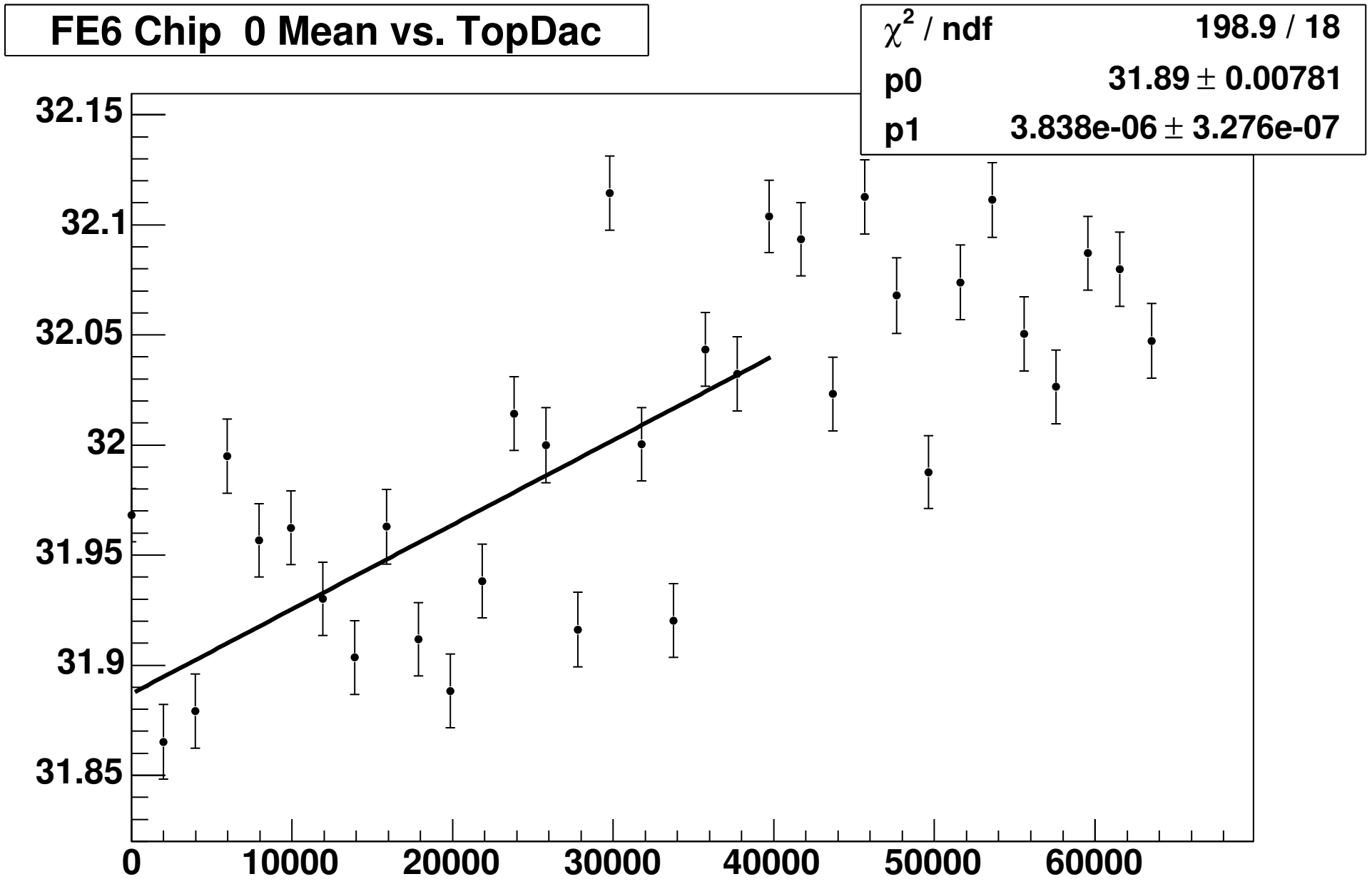
40000
50000
60000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 198.9 / 18
p0 31.89 ± 0.00781
p1 3.838e-06 ± 3.276e-07
32.15
32.1
32.05
32
31.95
31.9
31.85
0
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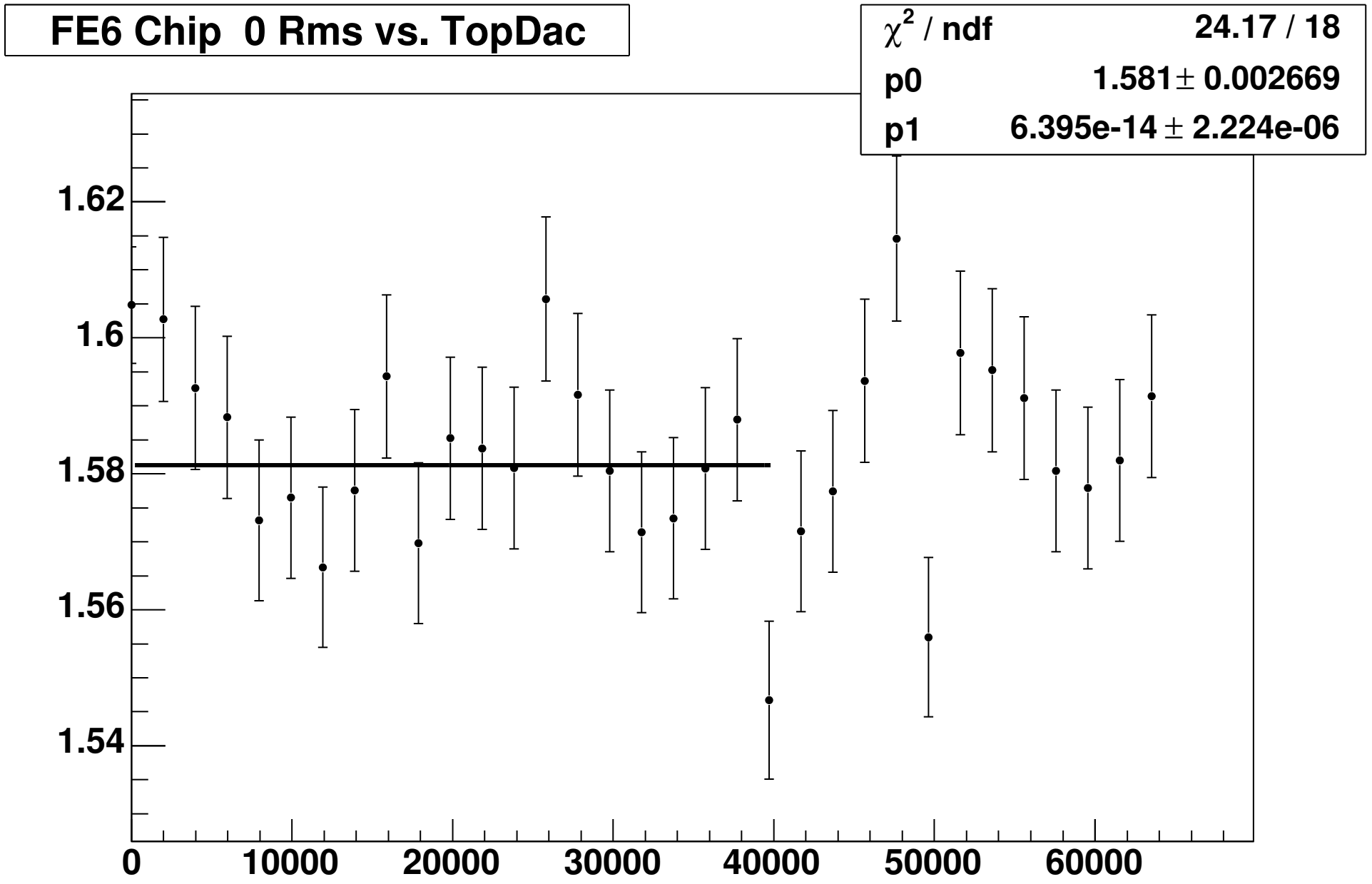
50000
60000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 24.17 / 18
p0 1.581 ± 0.002669
p1 6.395e-14 ± 2.224e-06
1.62
1.6
1.58
1.56
1.54
0
10000
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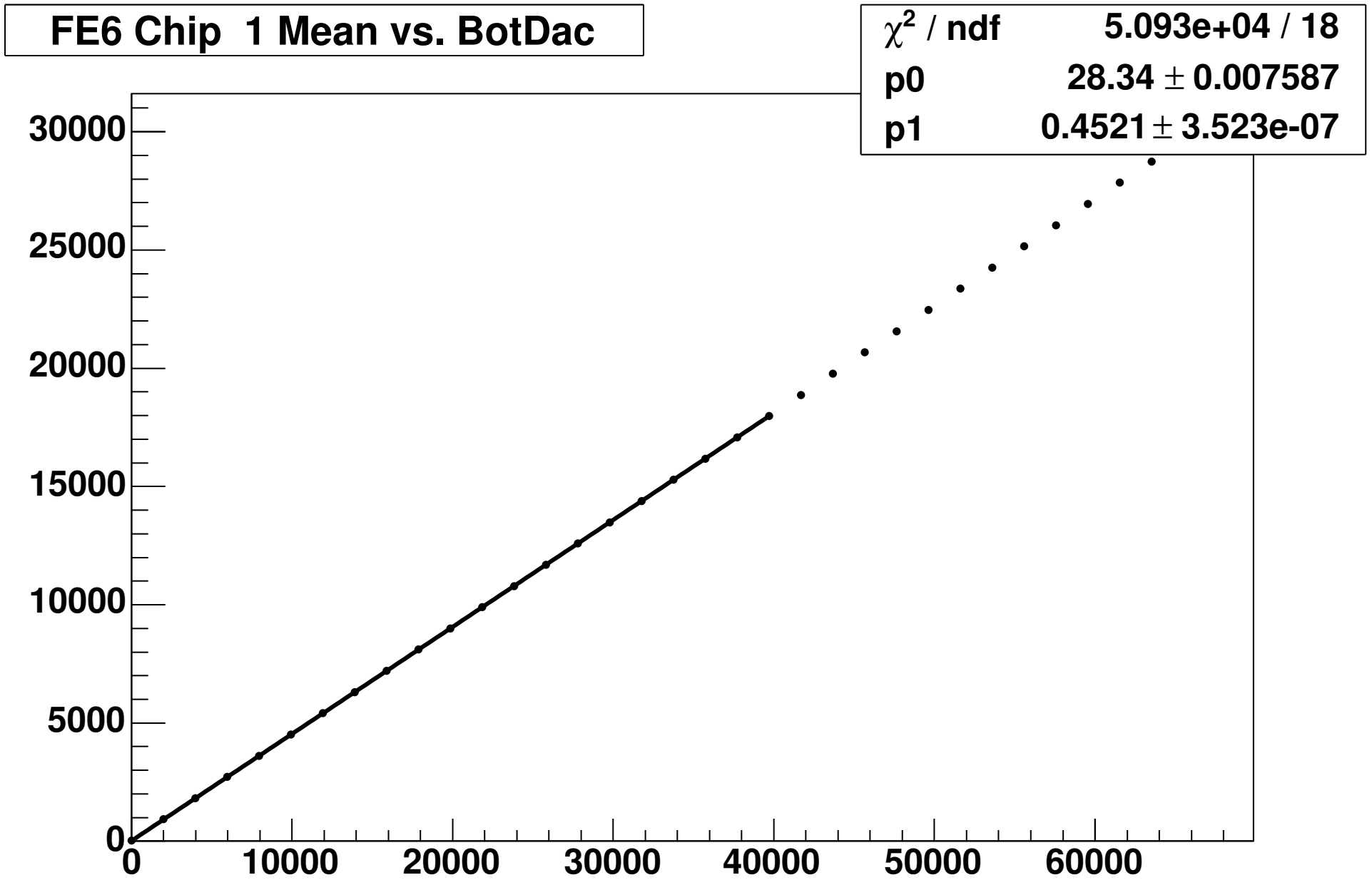
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 5.093e+04 / 18
p0 28.34 ± 0.007587
p1 0.4521 ± 3.523e-07
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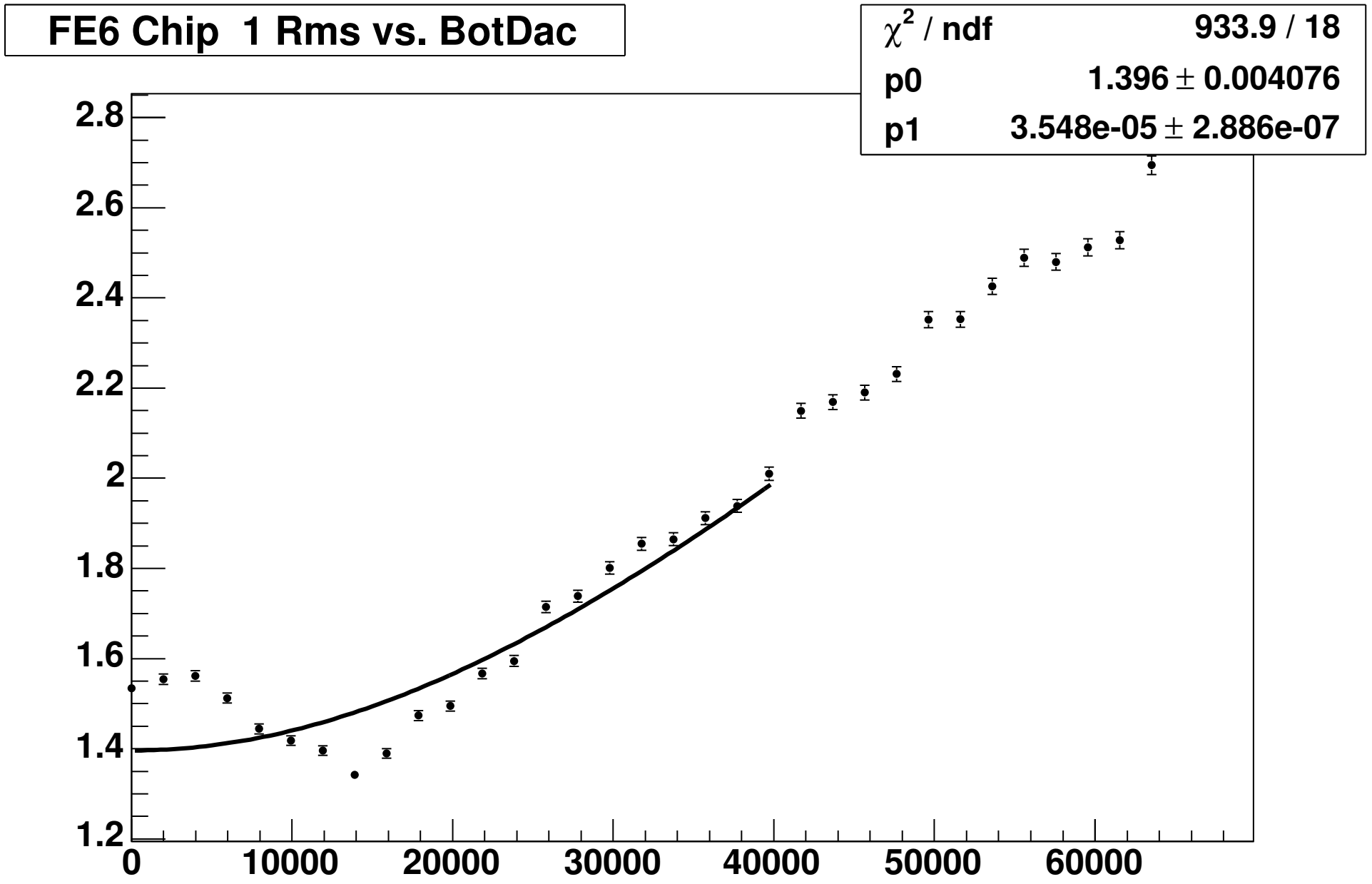
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 933.9 / 18
p0 1.396 ± 0.004076
p1 3.548e-05 ± 2.886e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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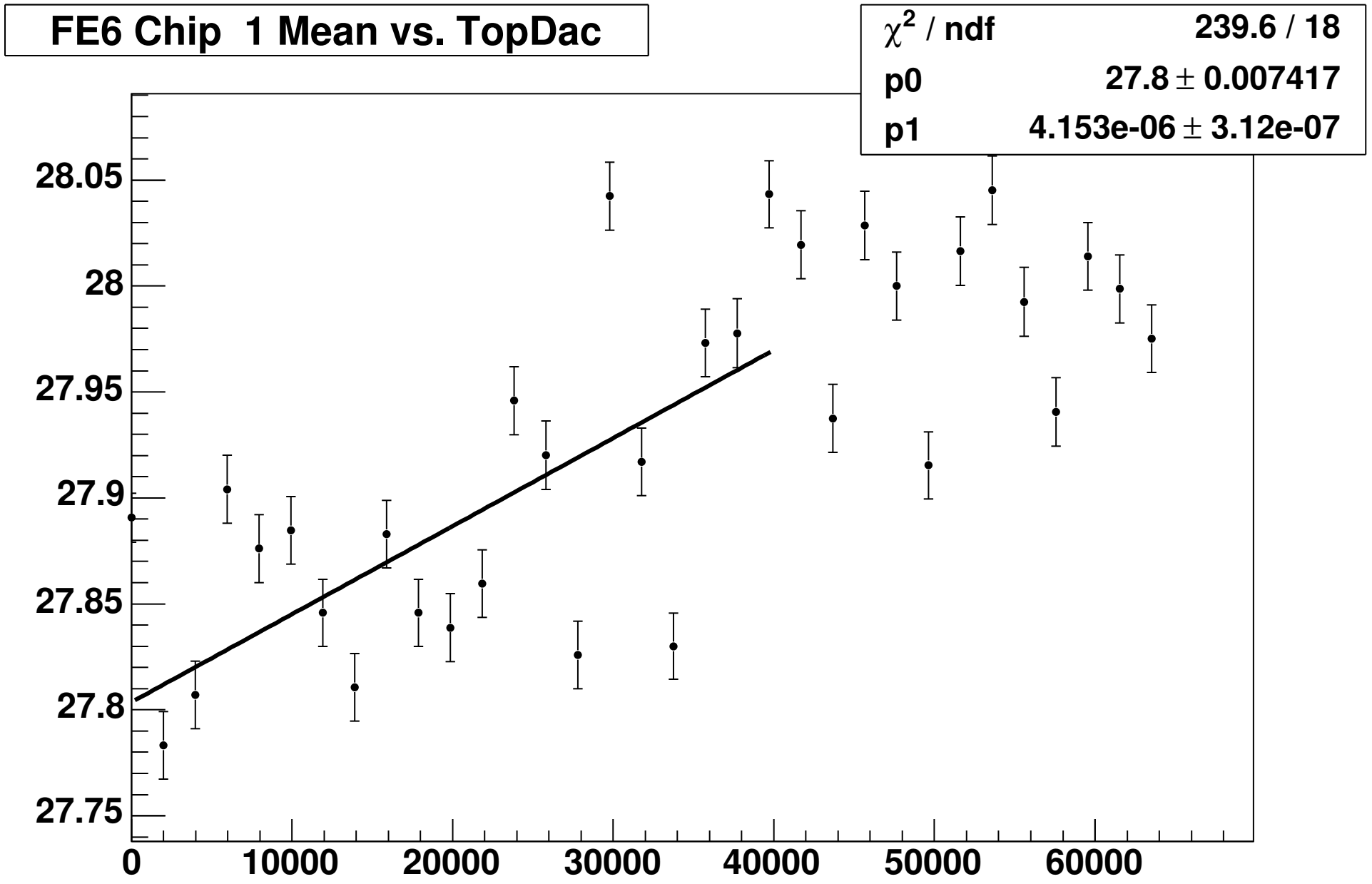
60000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 239.6 / 18
p0 27.8 ± 0.007417
p1 4.153e-06 ± 3.12e-07
28.05
28
27.95
27.9
27.85
27.8
27.75
0
10000
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30000
40000
50000
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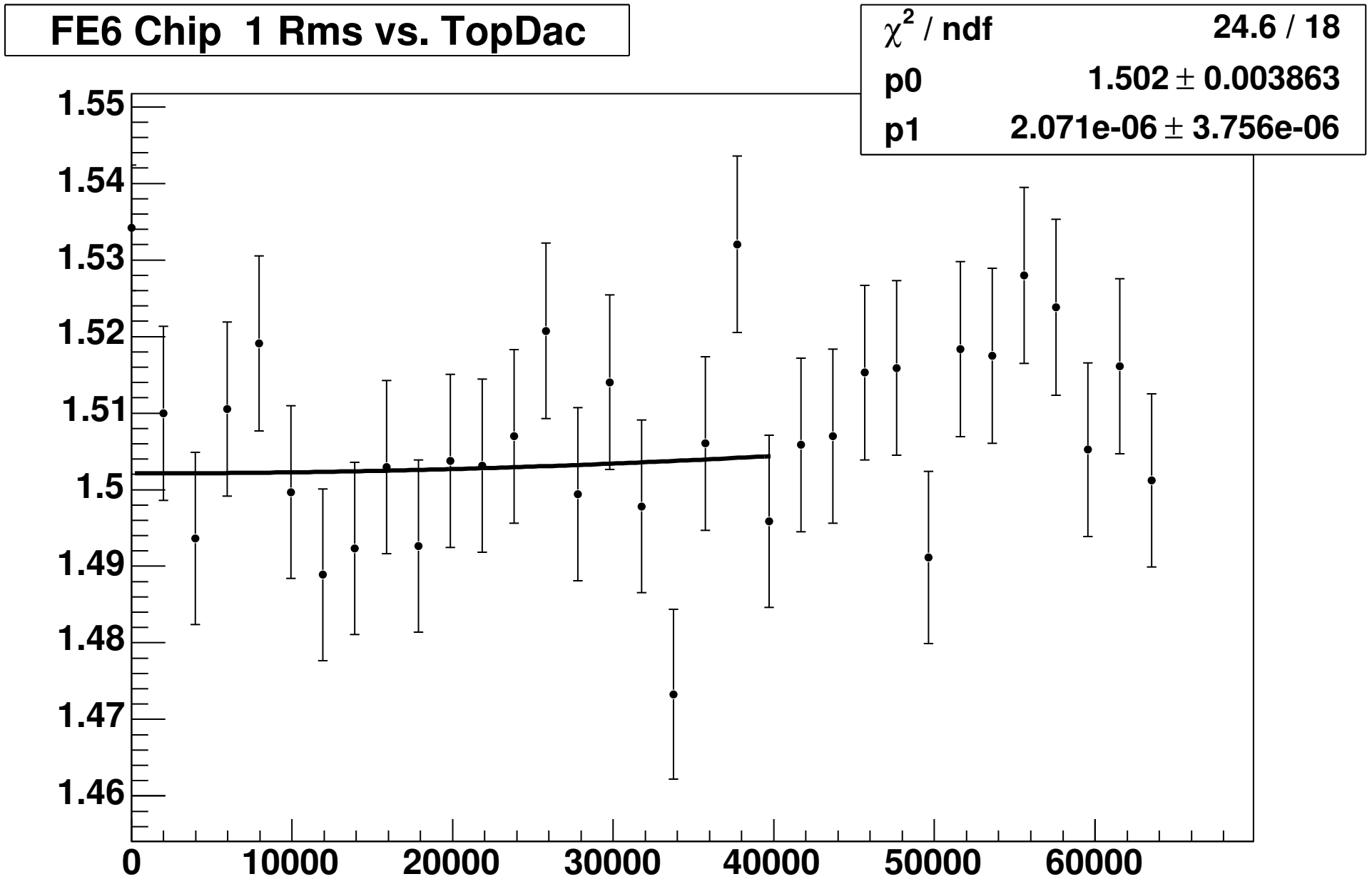
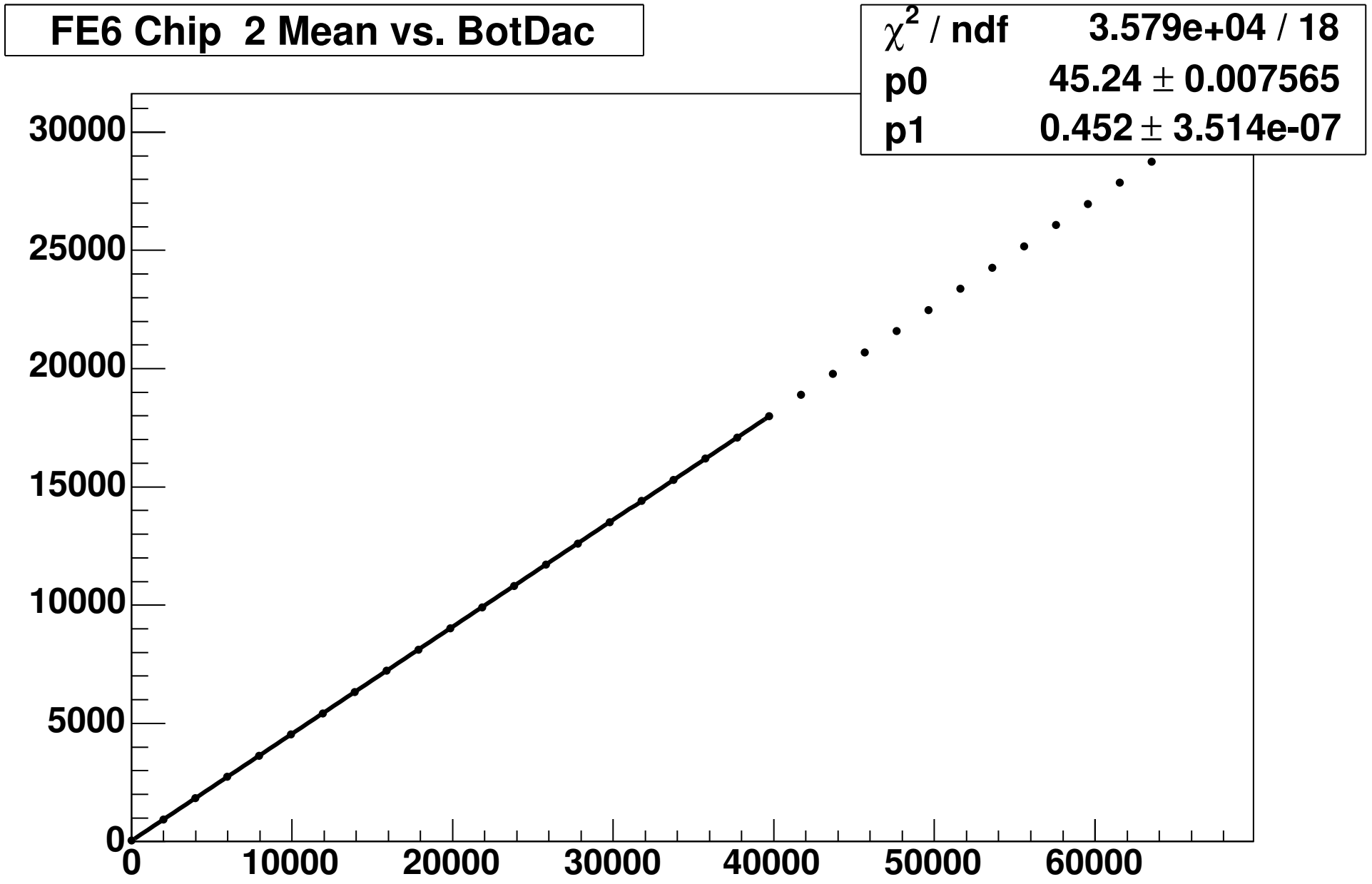

FE6 Chip 1 Rms vs. TopDac
χ² / ndf 24.6 / 18
p0 1.502 ± 0.003863
p1 2.071e-06 ± 3.756e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 3.579e+04 / 18
p0 45.24 ± 0.007565
p1 0.452 ± 3.514e-07
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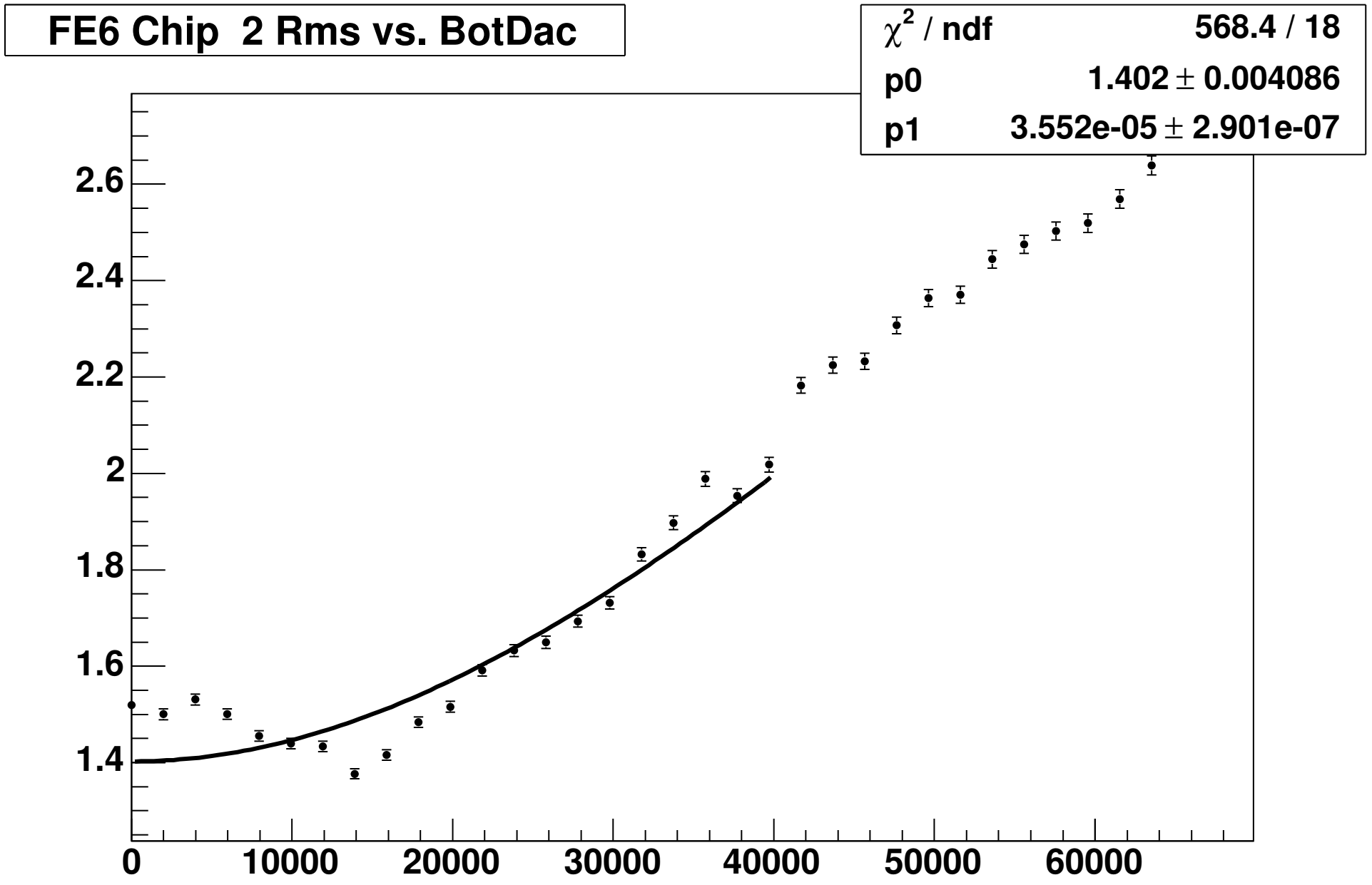
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 568.4 / 18
p0 1.402 ± 0.004086
p1 3.552e-05 ± 2.901e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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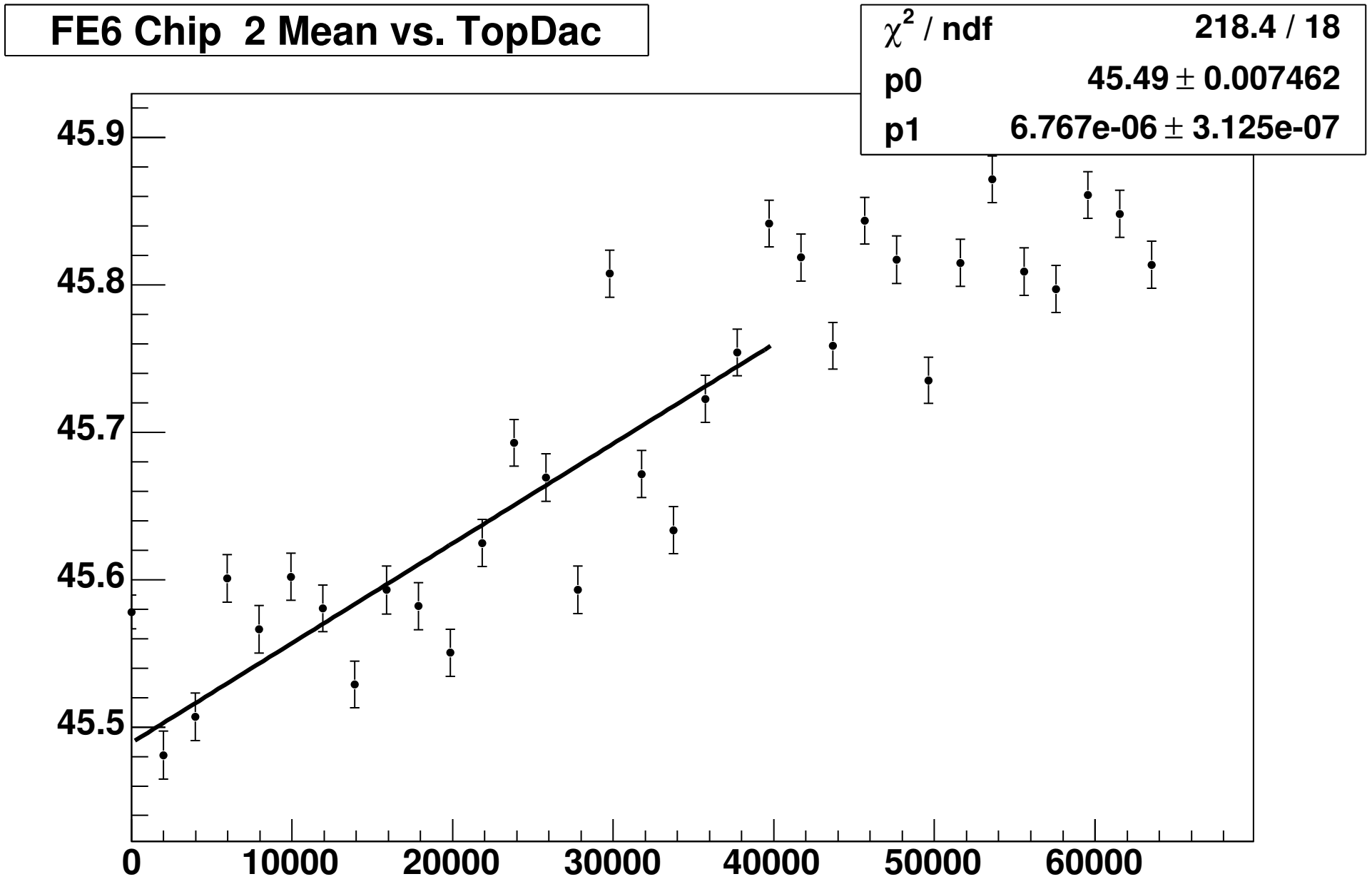
30000
40000
50000
60000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 218.4 / 18
p0 45.49 ± 0.007462
p1 6.767e-06 ± 3.125e-07
45.9
45.8
45.7
45.6
45.5
0
10000
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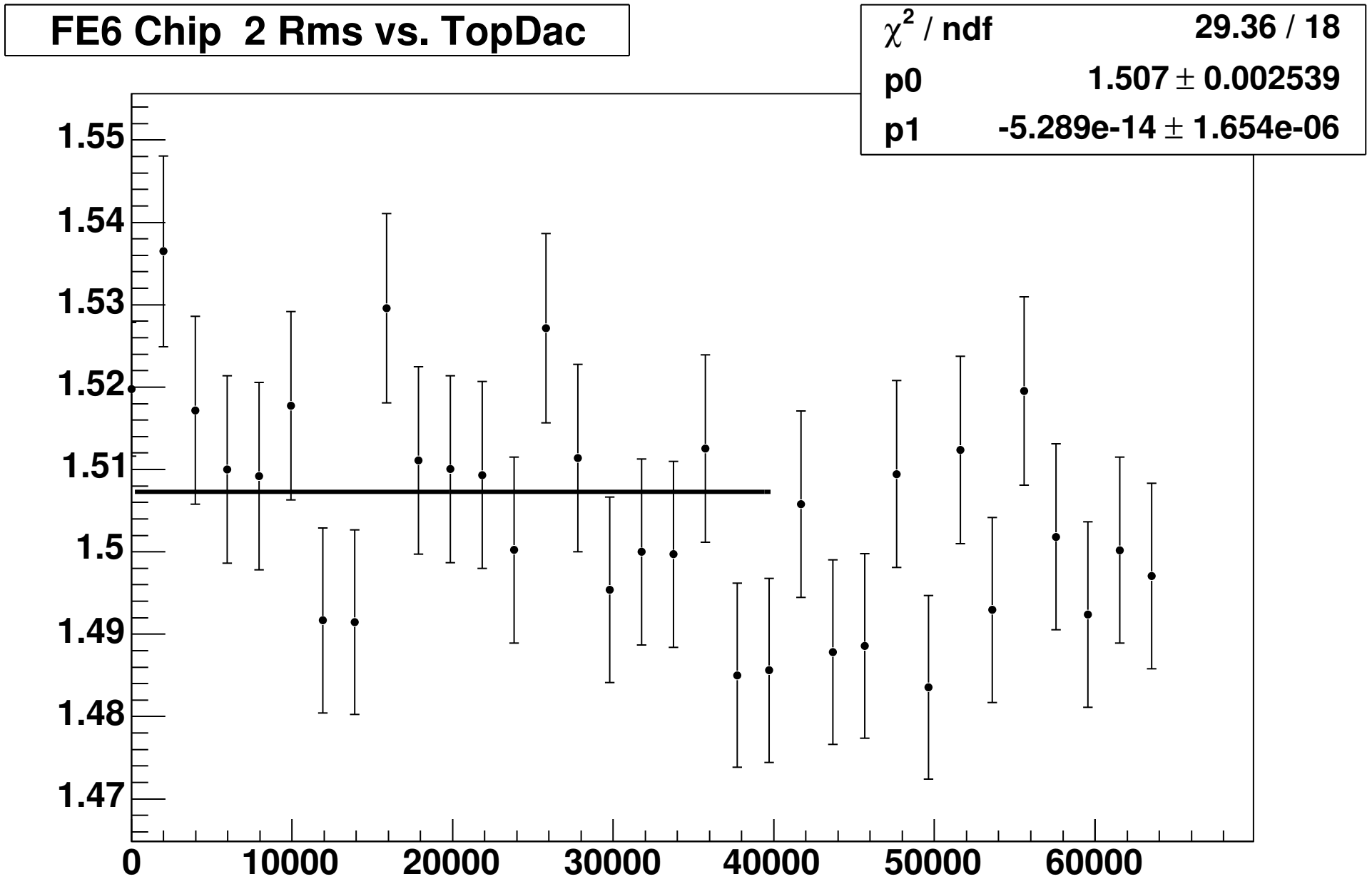
30000
40000
50000
60000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 29.36 / 18
p0 1.507 ± 0.002539
p1 -5.289e-14 ± 1.654e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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30000
40000
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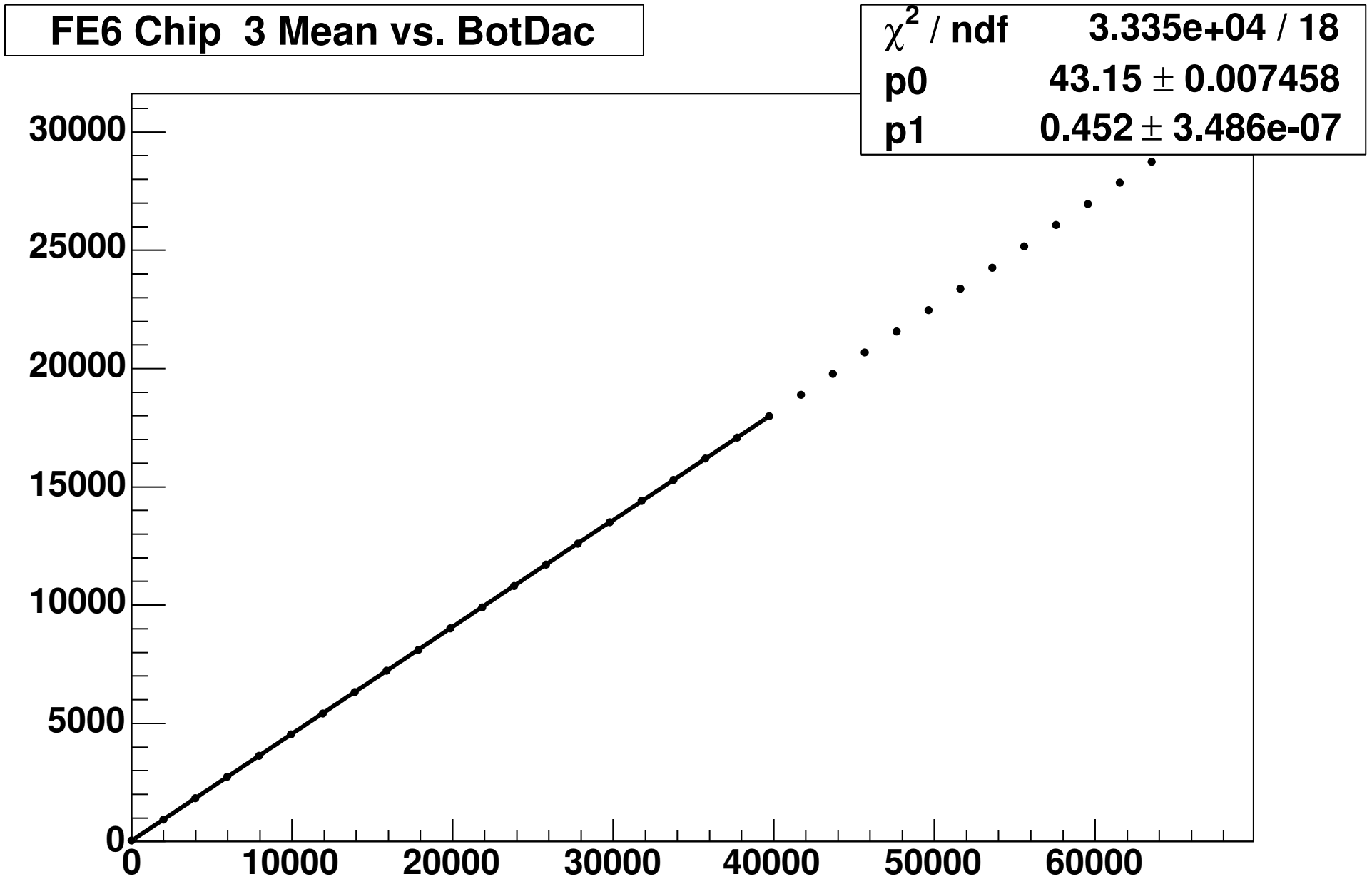
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 3.335e+04 / 18
p0 43.15 ± 0.007458
p1 0.452 ± 3.486e-07
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20000
15000
10000
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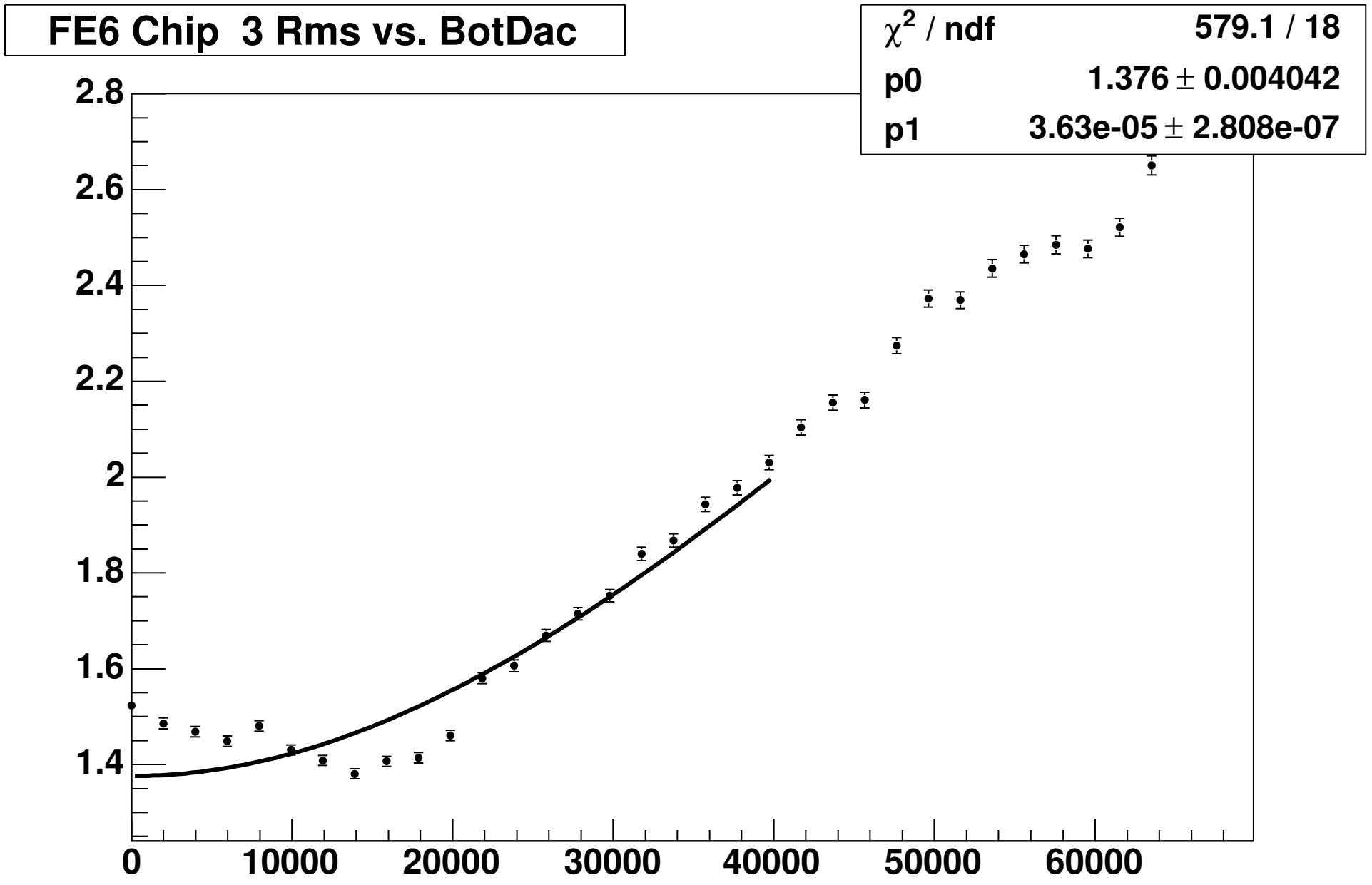
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 579.1 / 18
p0 1.376 ± 0.004042
p1 3.63e-05 ± 2.808e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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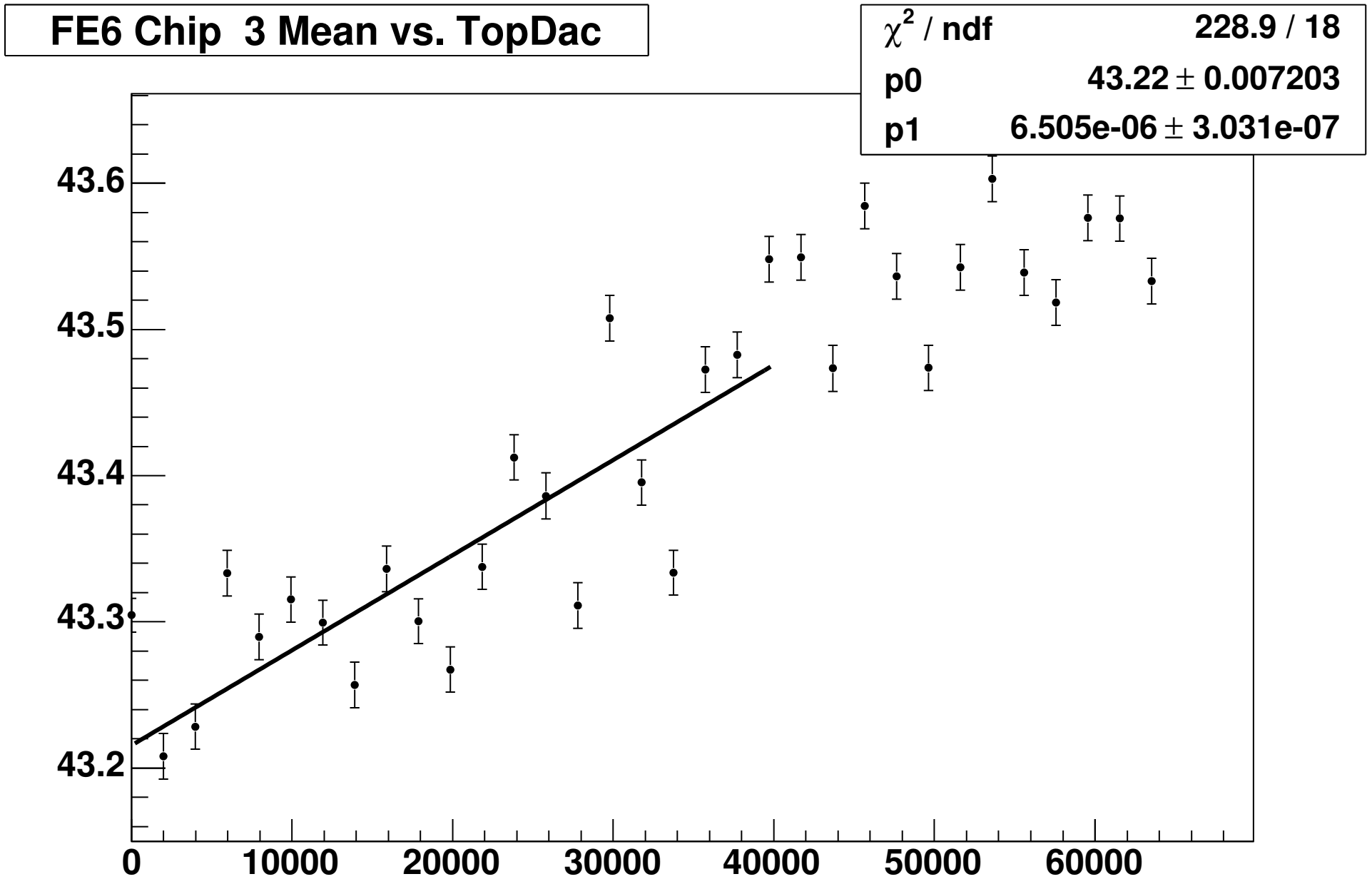
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 228.9 / 18
p0 43.22 ± 0.007203
p1 6.505e-06 ± 3.031e-07
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43.5
43.4
43.3
43.2
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10000
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40000
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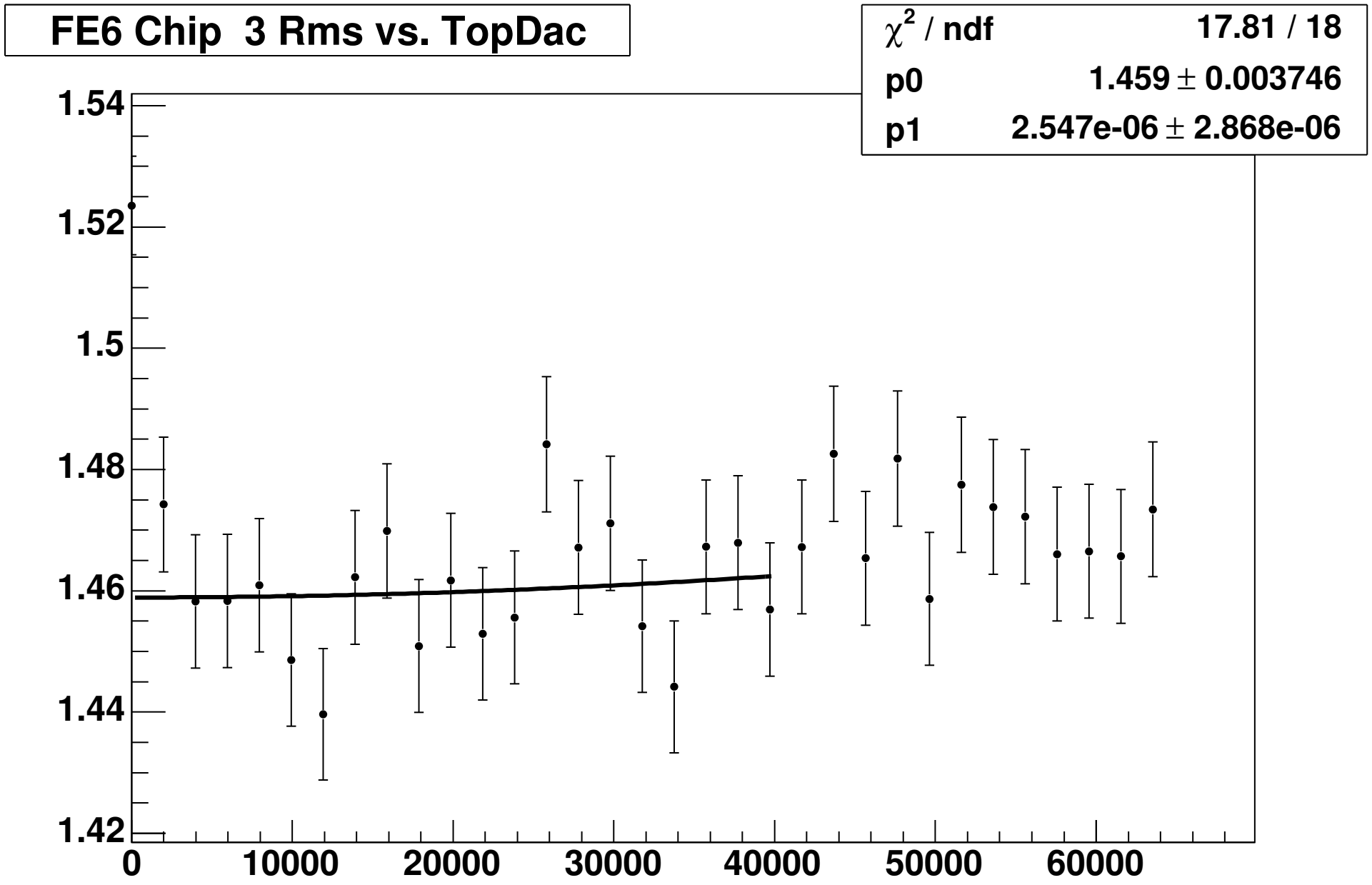
60000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 17.81 / 18
p0 1.459 ± 0.003746
p1 2.547e-06 ± 2.868e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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30000
40000
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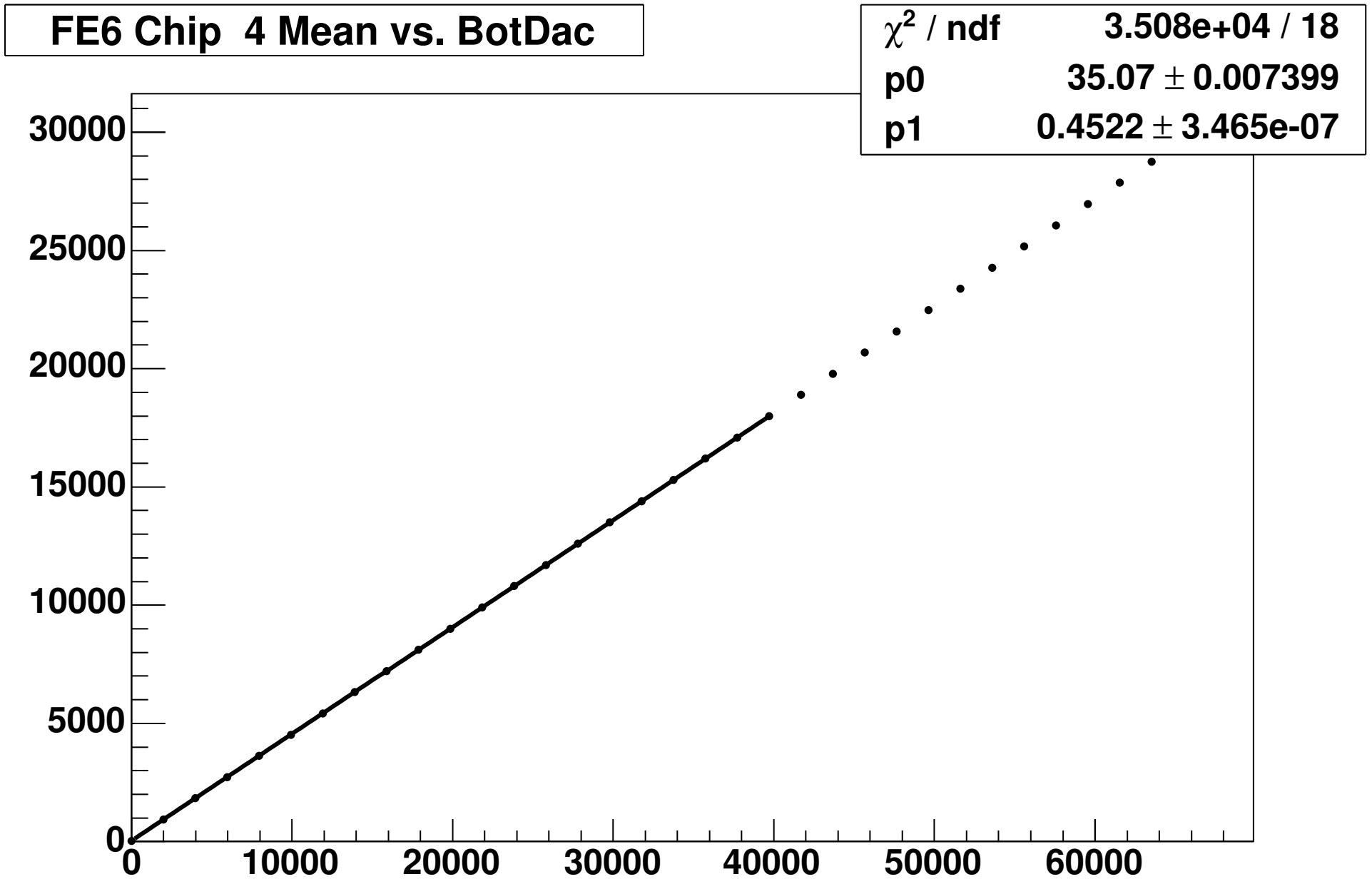
60000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 3.508e+04 / 18
p0 35.07 ± 0.007399
p1 0.4522 ± 3.465e-07
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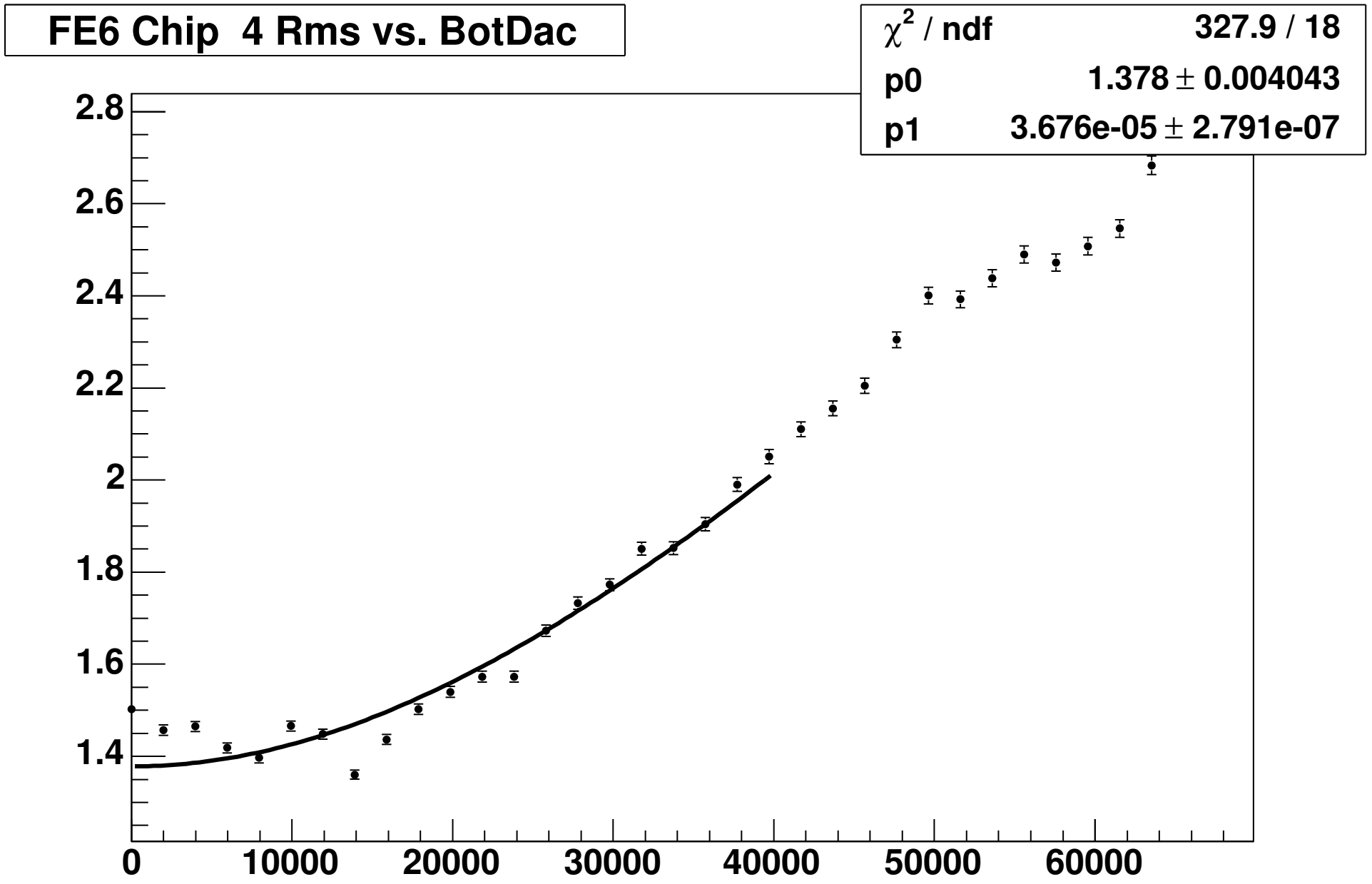
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 327.9 / 18
p0 1.378 ± 0.004043
p1 3.676e-05 ± 2.791e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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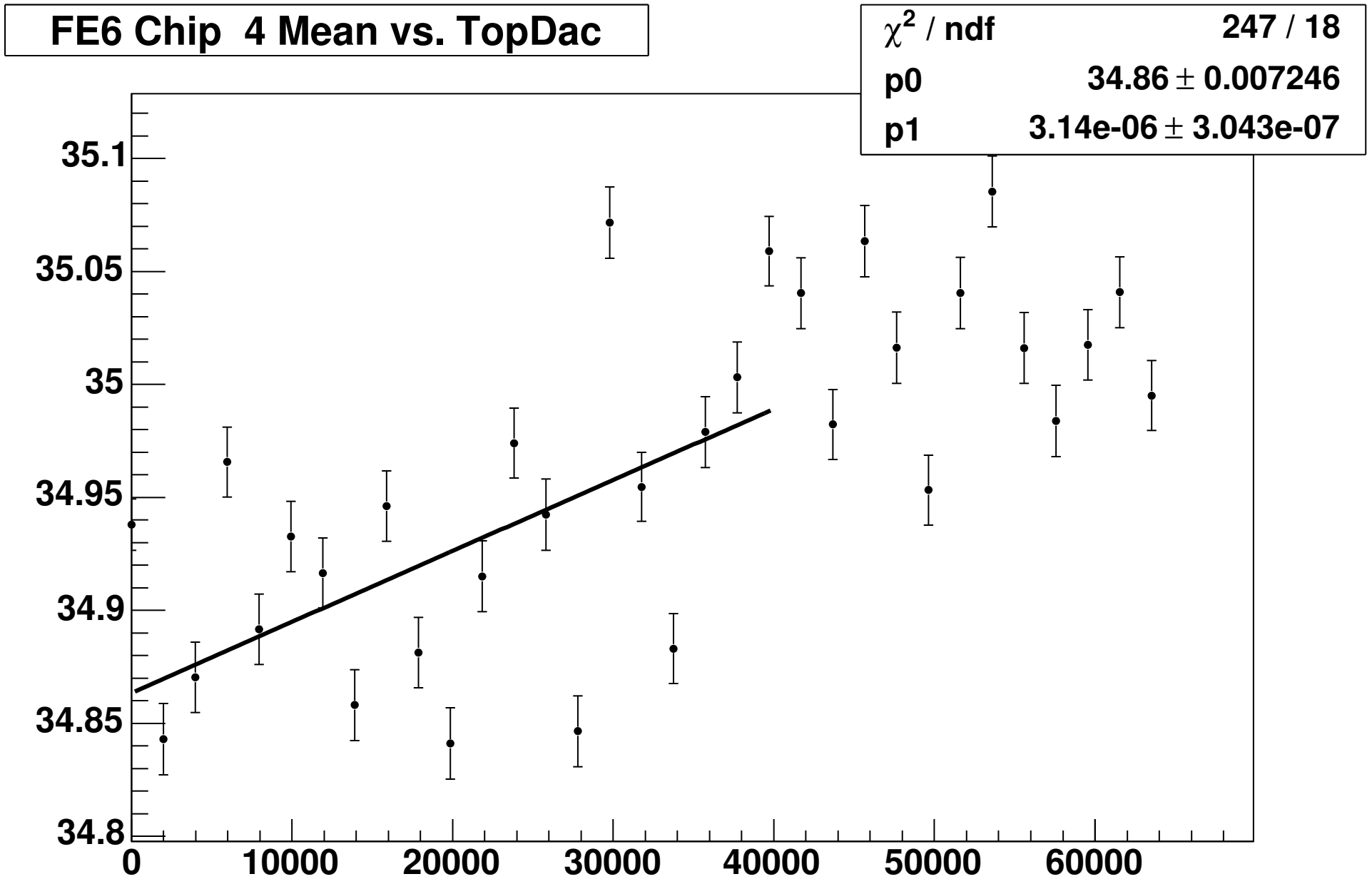
30000
40000
50000
60000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 247 / 18
p0 34.86 ± 0.007246
p1 3.14e-06 ± 3.043e-07
35.1
35.05
35
34.95
34.9
34.85
34.8
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10000
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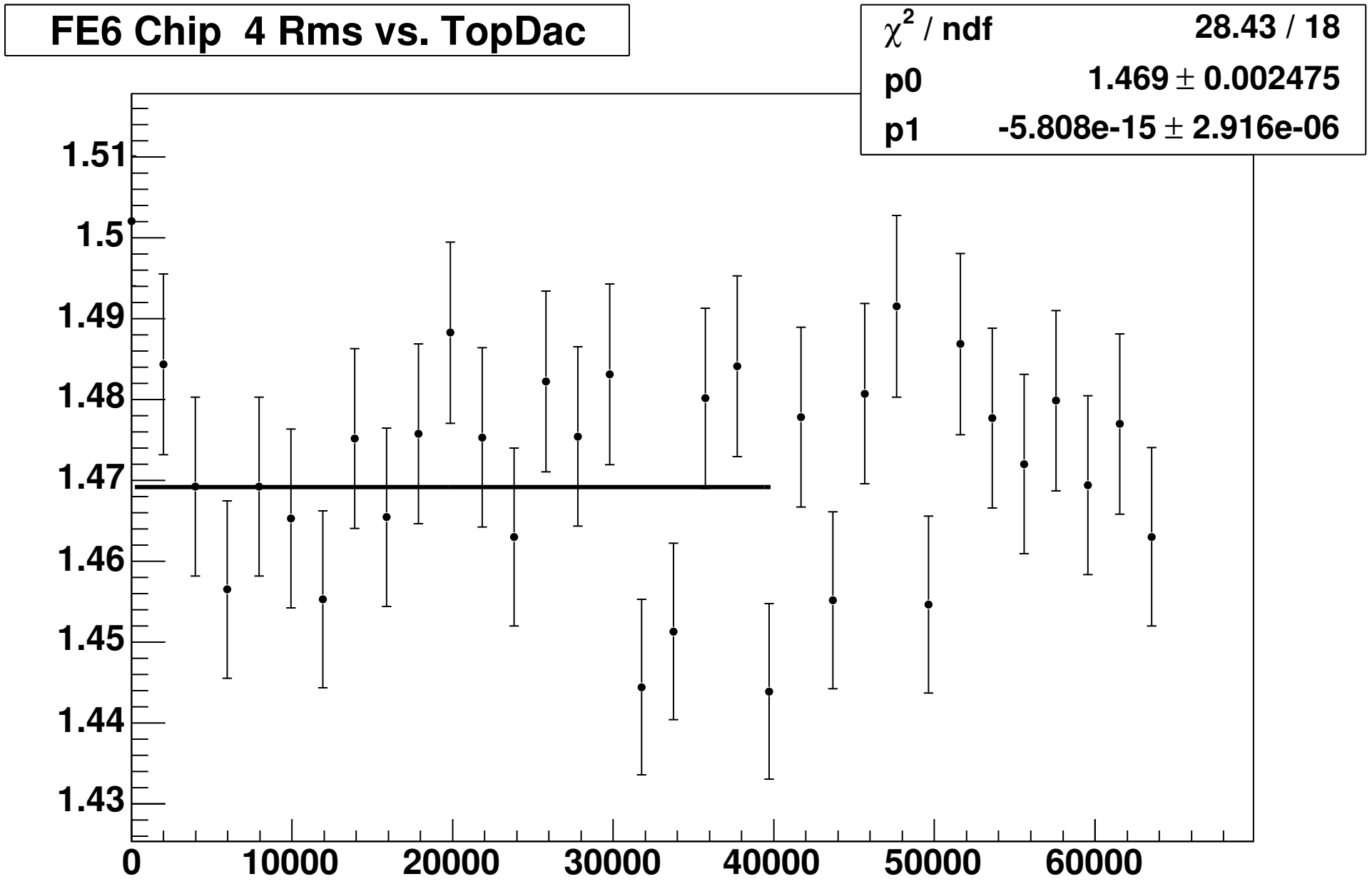
30000
40000
50000
60000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 28.43 / 18
p0 1.469 ± 0.002475
p1 -5.808e-15 ± 2.916e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
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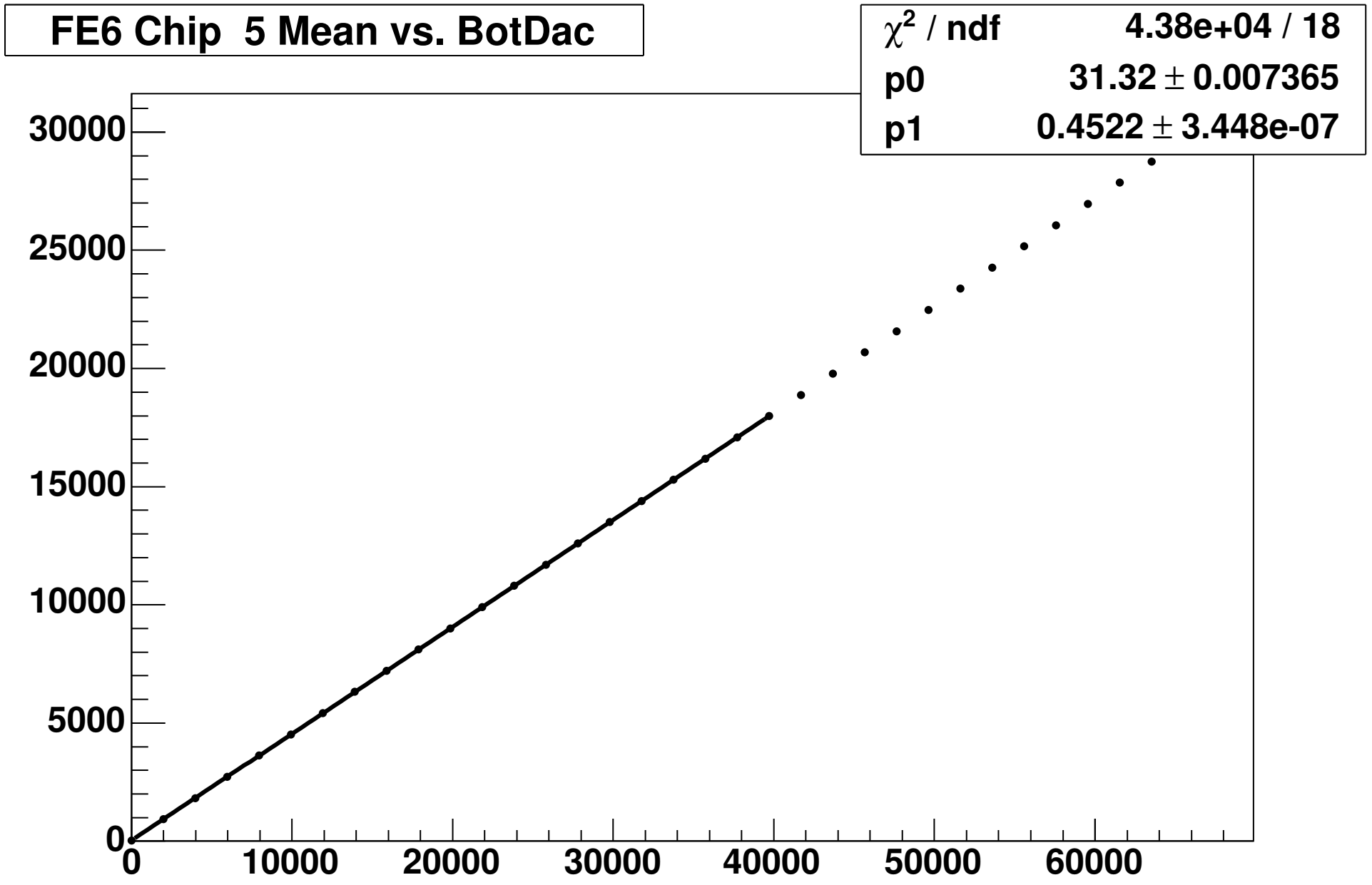
60000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 4.38e+04 / 18
p0 31.32 ± 0.007365
p1 0.4522 ± 3.448e-07
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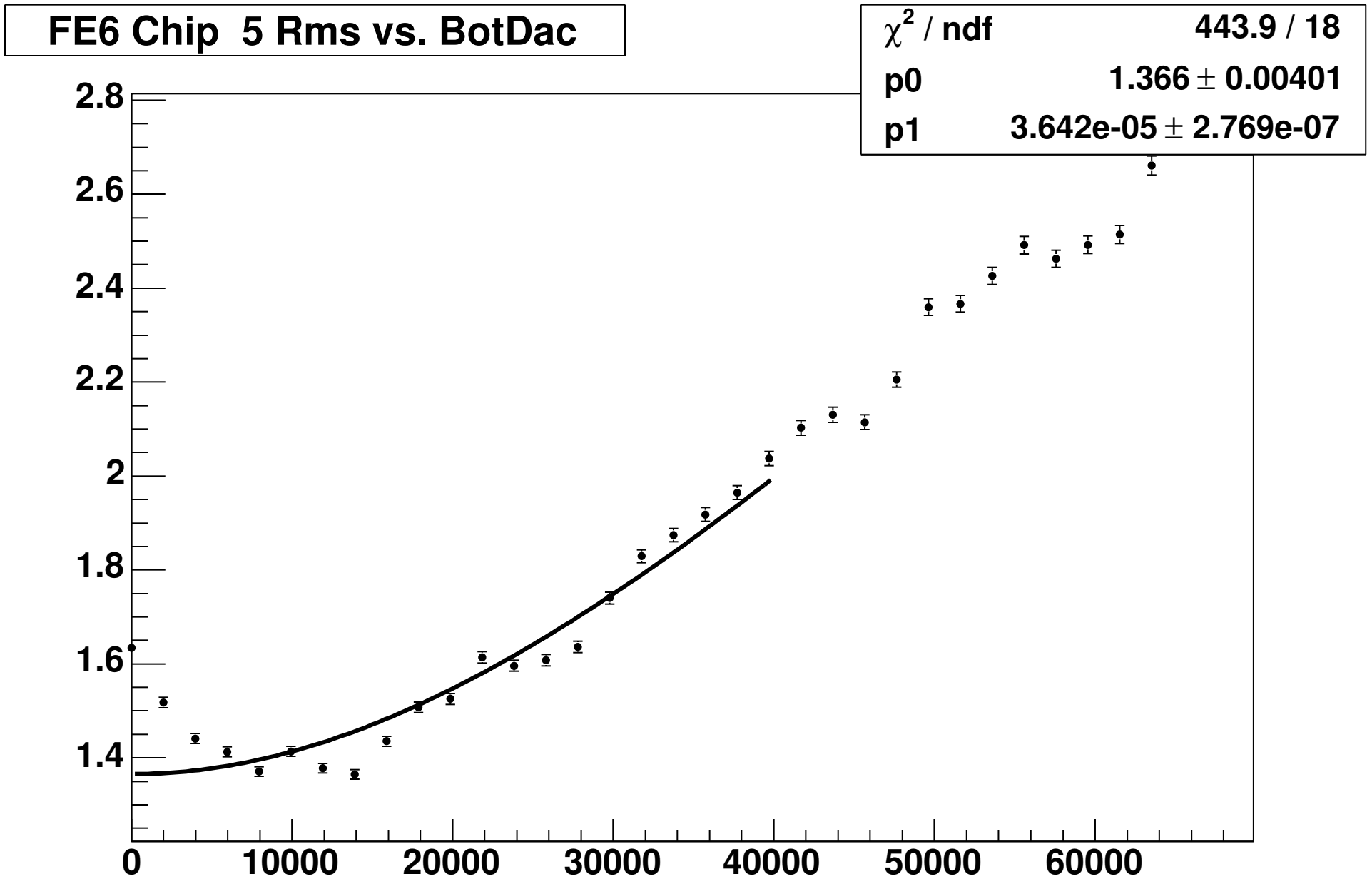
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 443.9 / 18
p0 1.366 ± 0.00401
p1 3.642e-05 ± 2.769e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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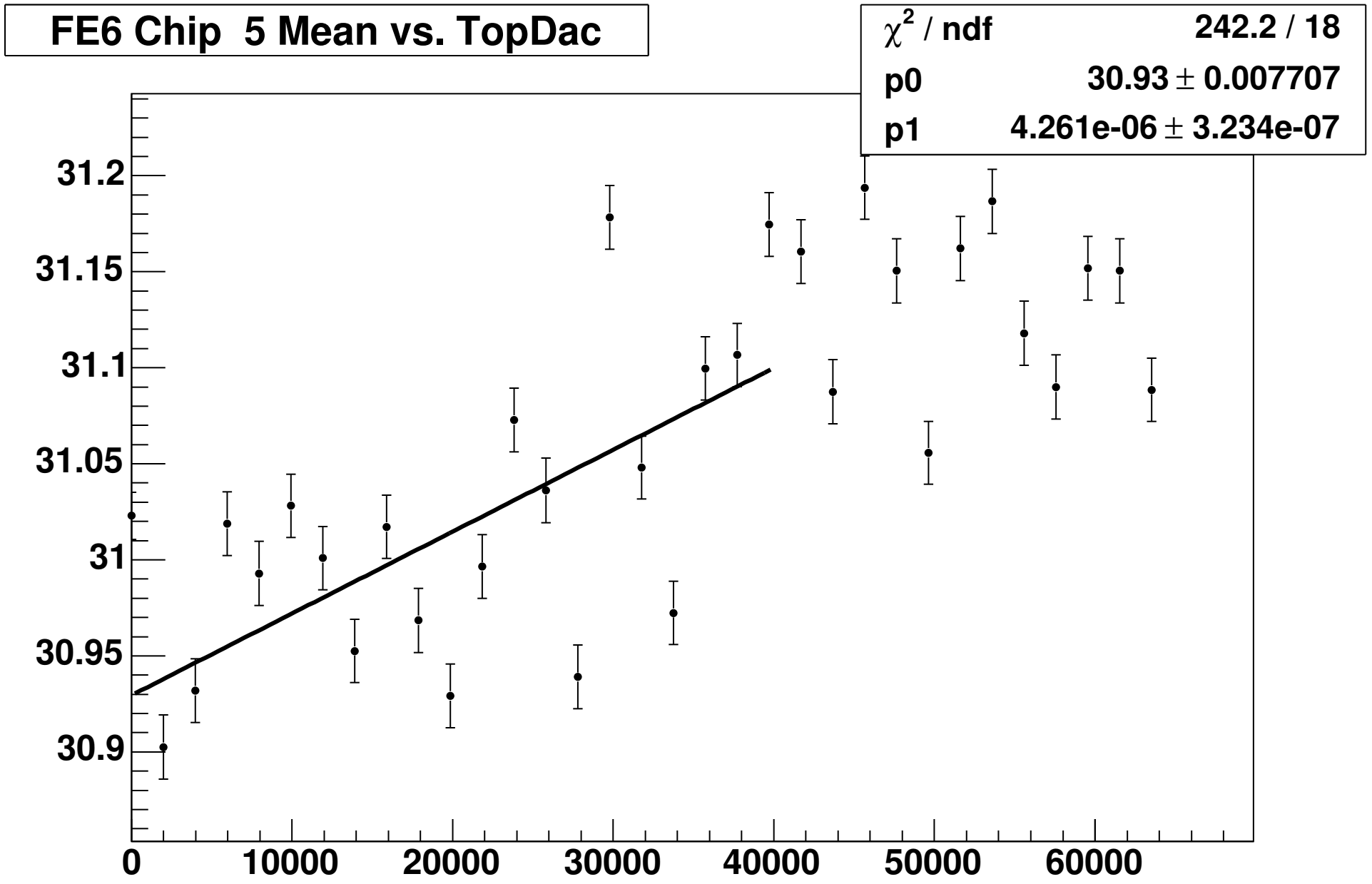
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 242.2 / 18
p0 30.93 ± 0.007707
p1 4.261e-06 ± 3.234e-07
31.2
31.15
31.1
31.05
31
30.95
30.9
0
10000
20000
30000
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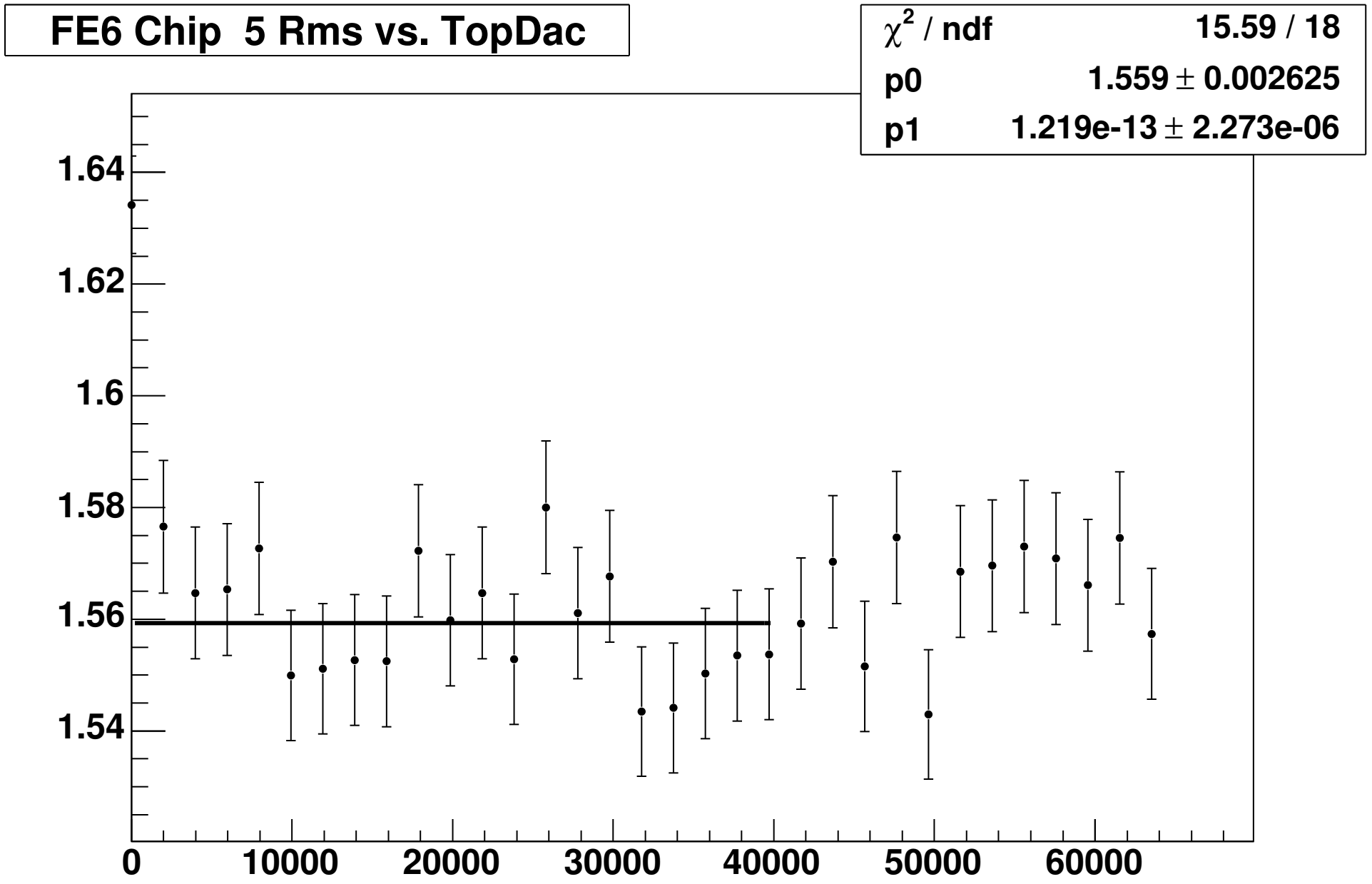
FE6 Chip 5 Rms vs. TopDac
χ² / ndf 15.59 / 18
p0 1.559 ± 0.002625
p1 1.219e-13 ± 2.273e-06
1.64
1.62
1.6
1.58
1.56
1.54
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10000
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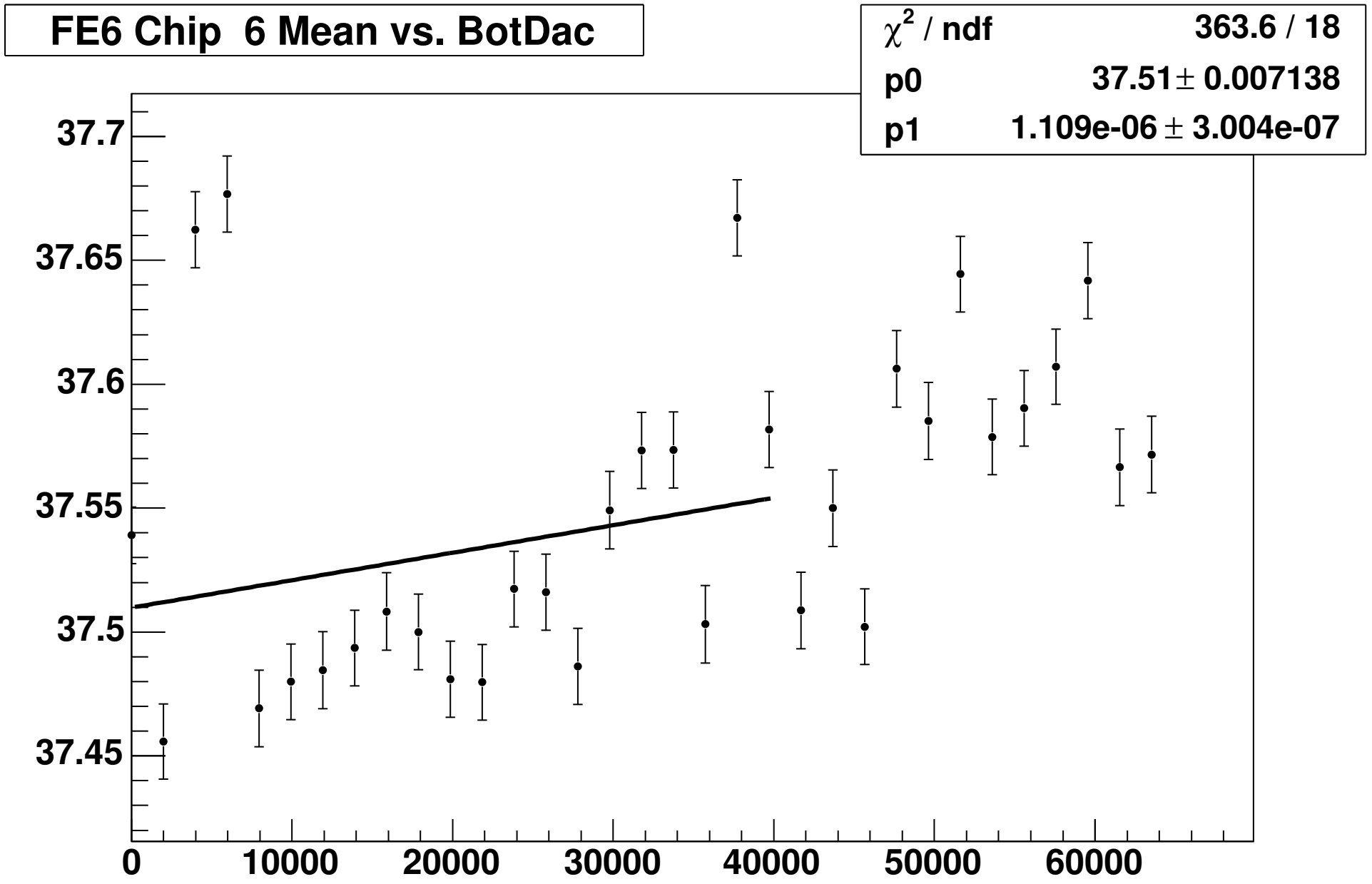
60000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 363.6 / 18
p0 37.51 ± 0.007138
p1 1.109e-06 ± 3.004e-07
37.7
37.65
37.6
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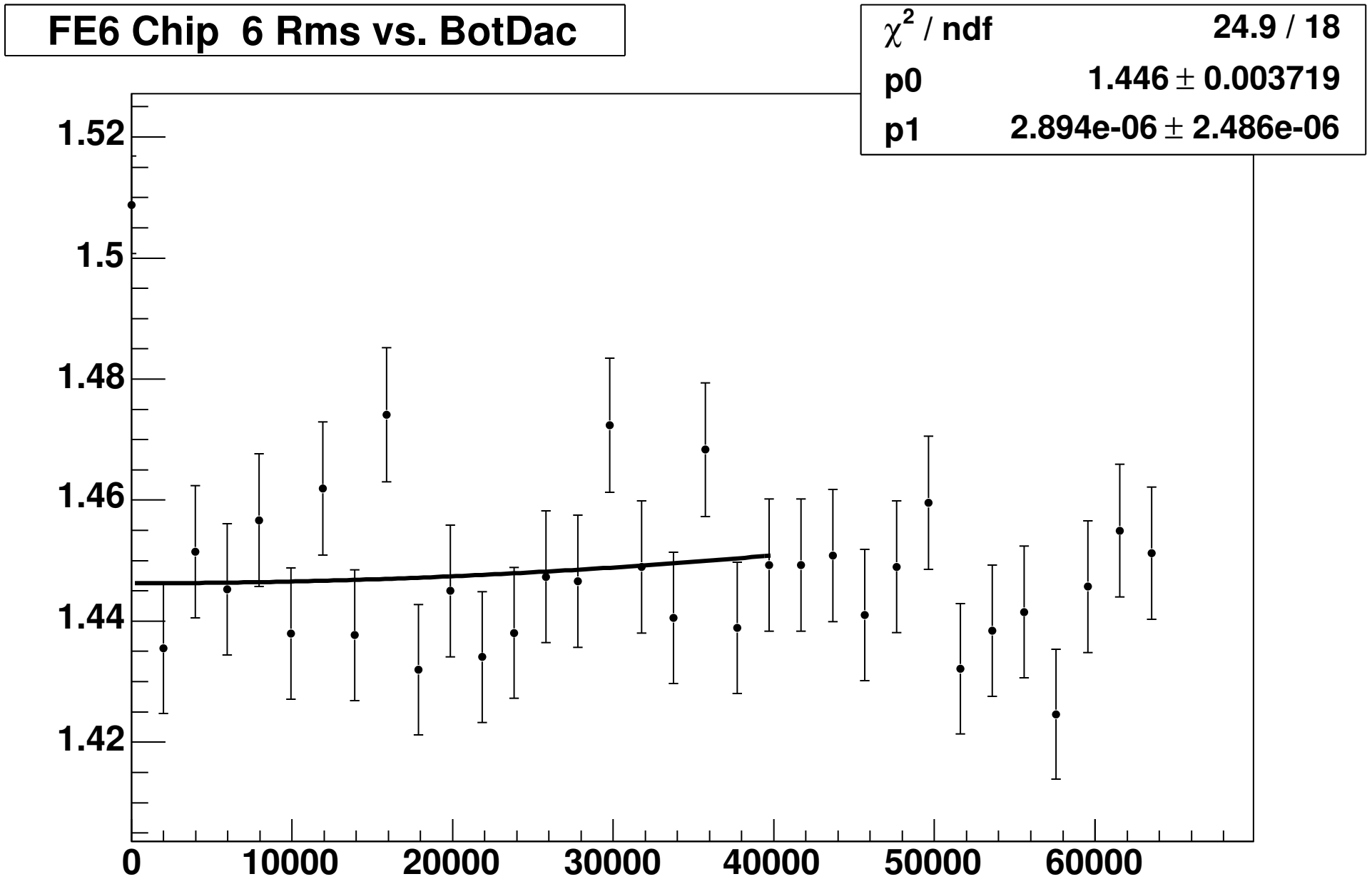
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 24.9 / 18
p0 1.446 ± 0.003719
p1 2.894e-06 ± 2.486e-06
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1.5
1.48
1.46
1.44
1.42
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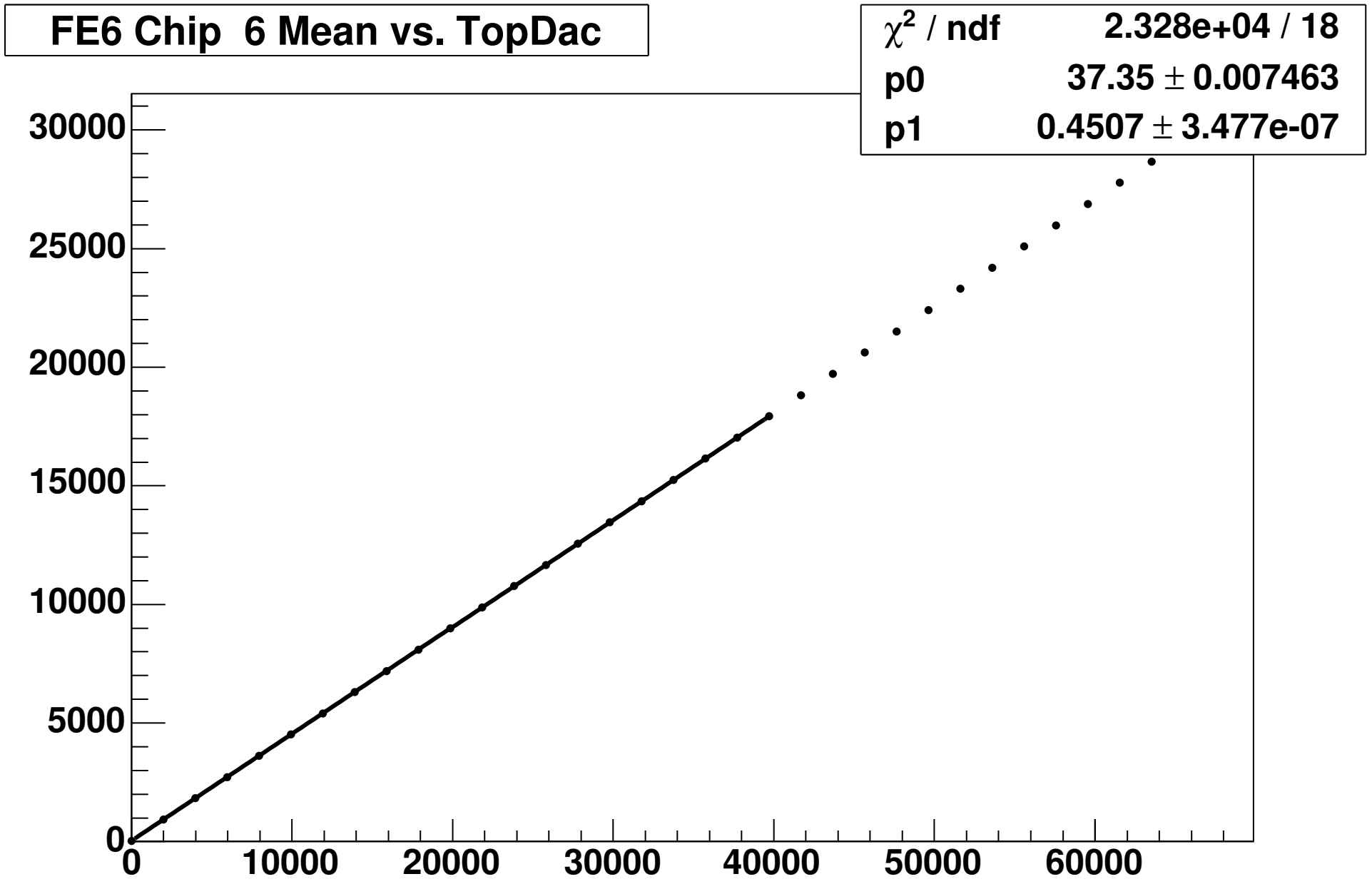
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 2.328e+04 / 18
p0 37.35 ± 0.007463
p1 0.4507 ± 3.477e-07
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10000
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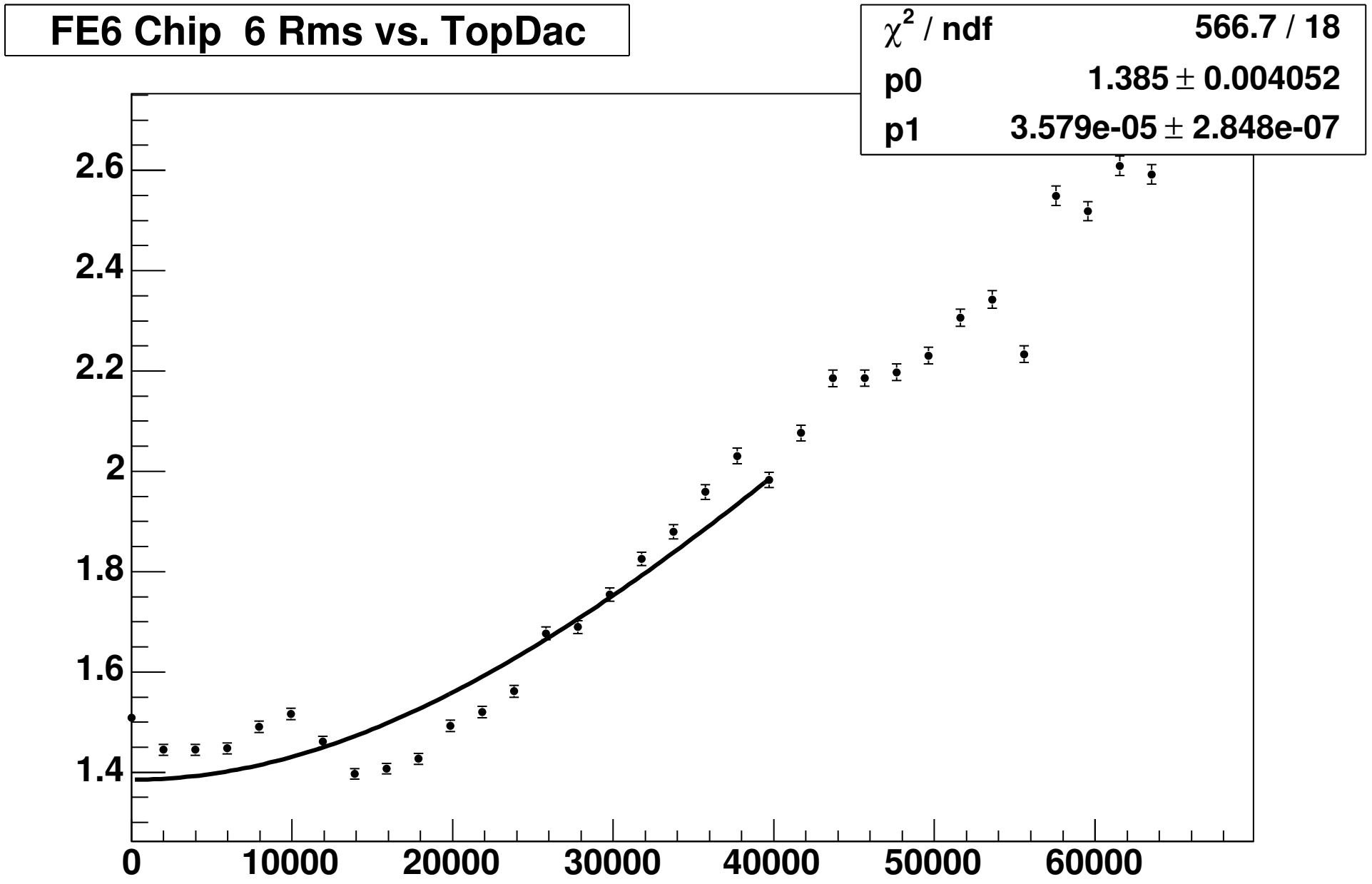
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 566.7 / 18
p0 1.385 ± 0.004052
p1 3.579e-05 ± 2.848e-07
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2.2
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1.4
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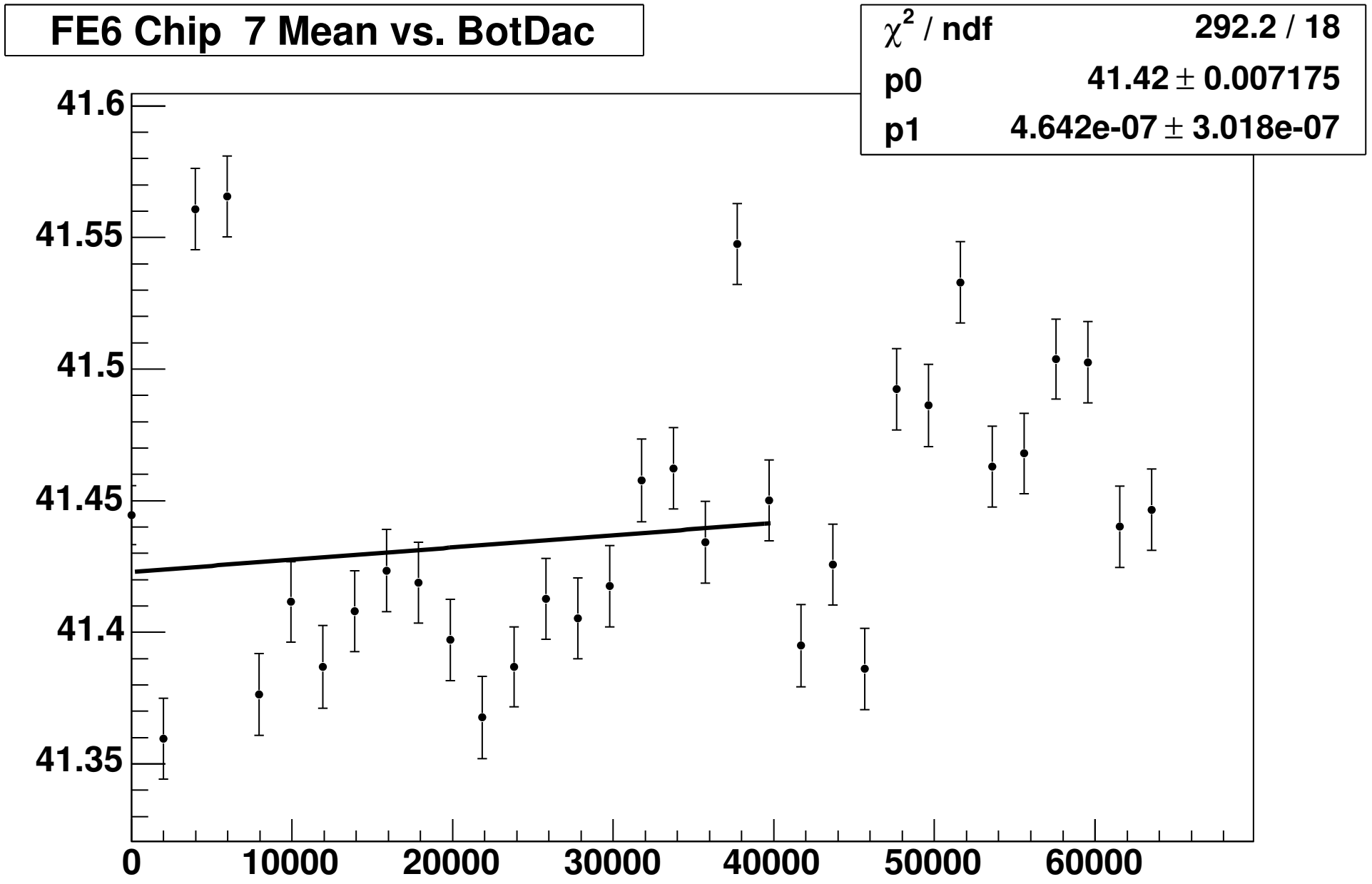
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 292.2 / 18
p0 41.42 ± 0.007175
p1 4.642e-07 ± 3.018e-07
41.6
41.55
41.5
41.45
41.4
41.35
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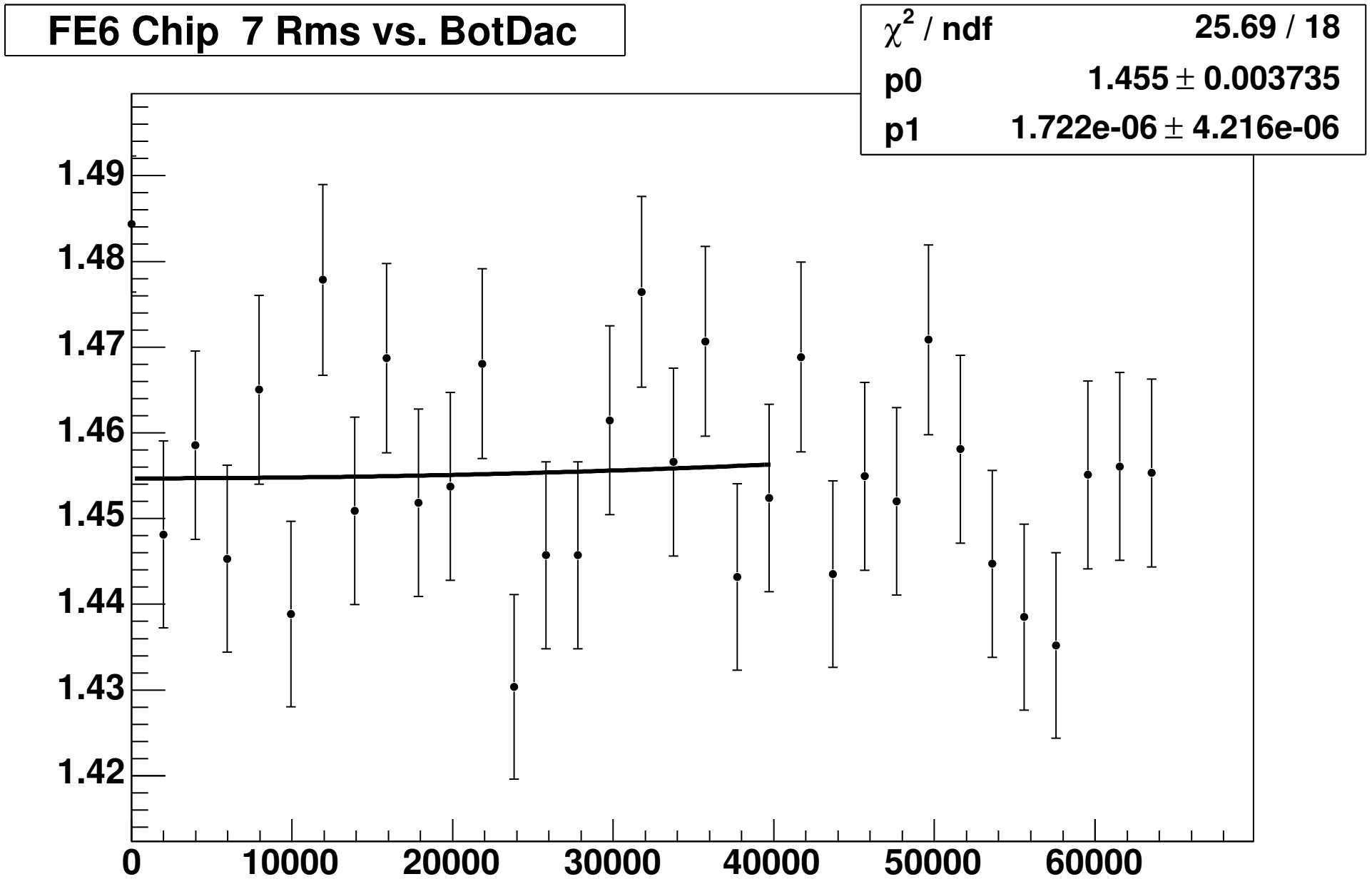
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 25.69 / 18
p0 1.455 ± 0.003735
p1 1.722e-06 ± 4.216e-06
1.49
1.48
1.47
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1.43
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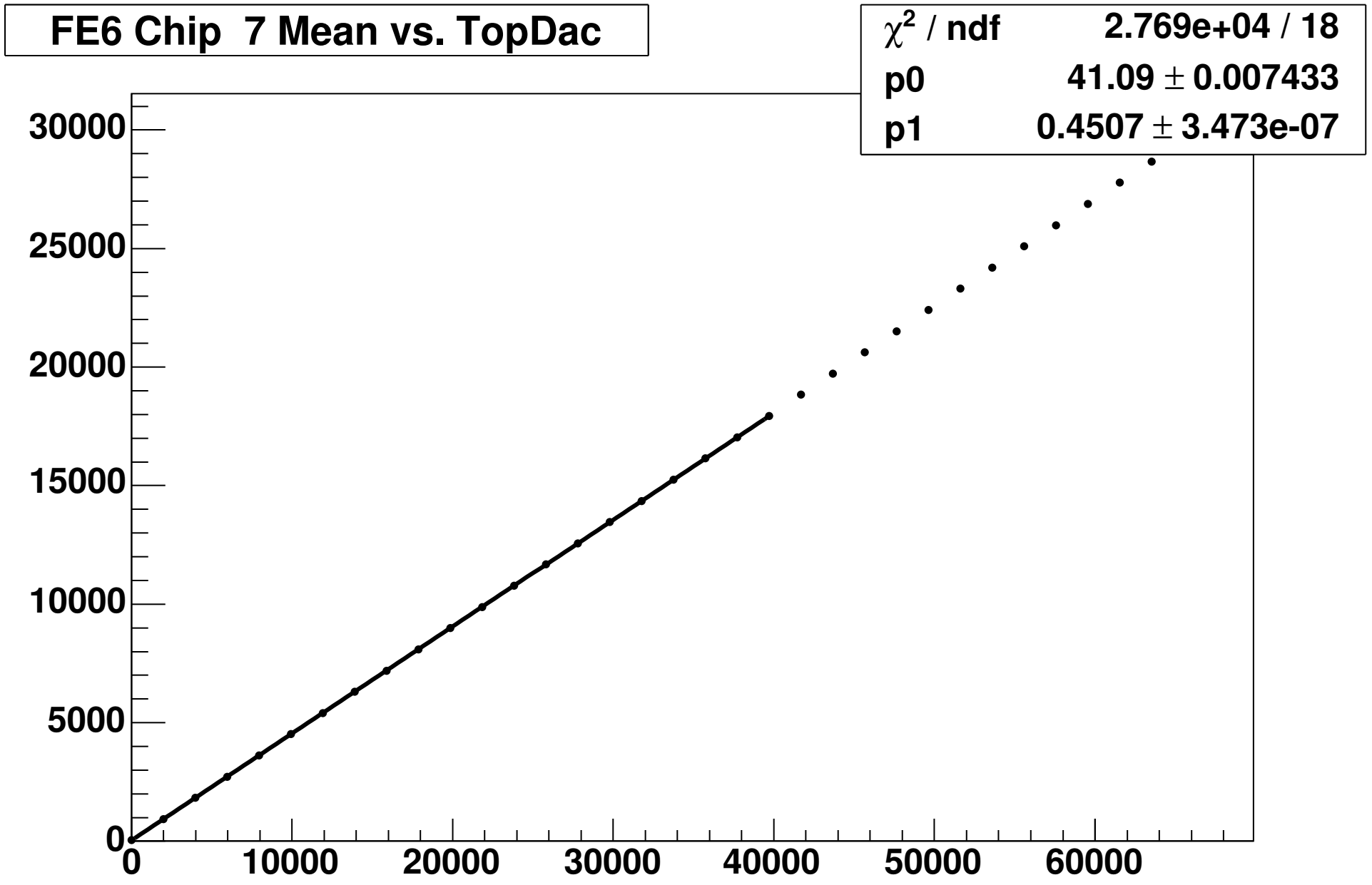
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 2.769e+04 / 18
p0 41.09 ± 0.007433
p1 0.4507 ± 3.473e-07
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10000
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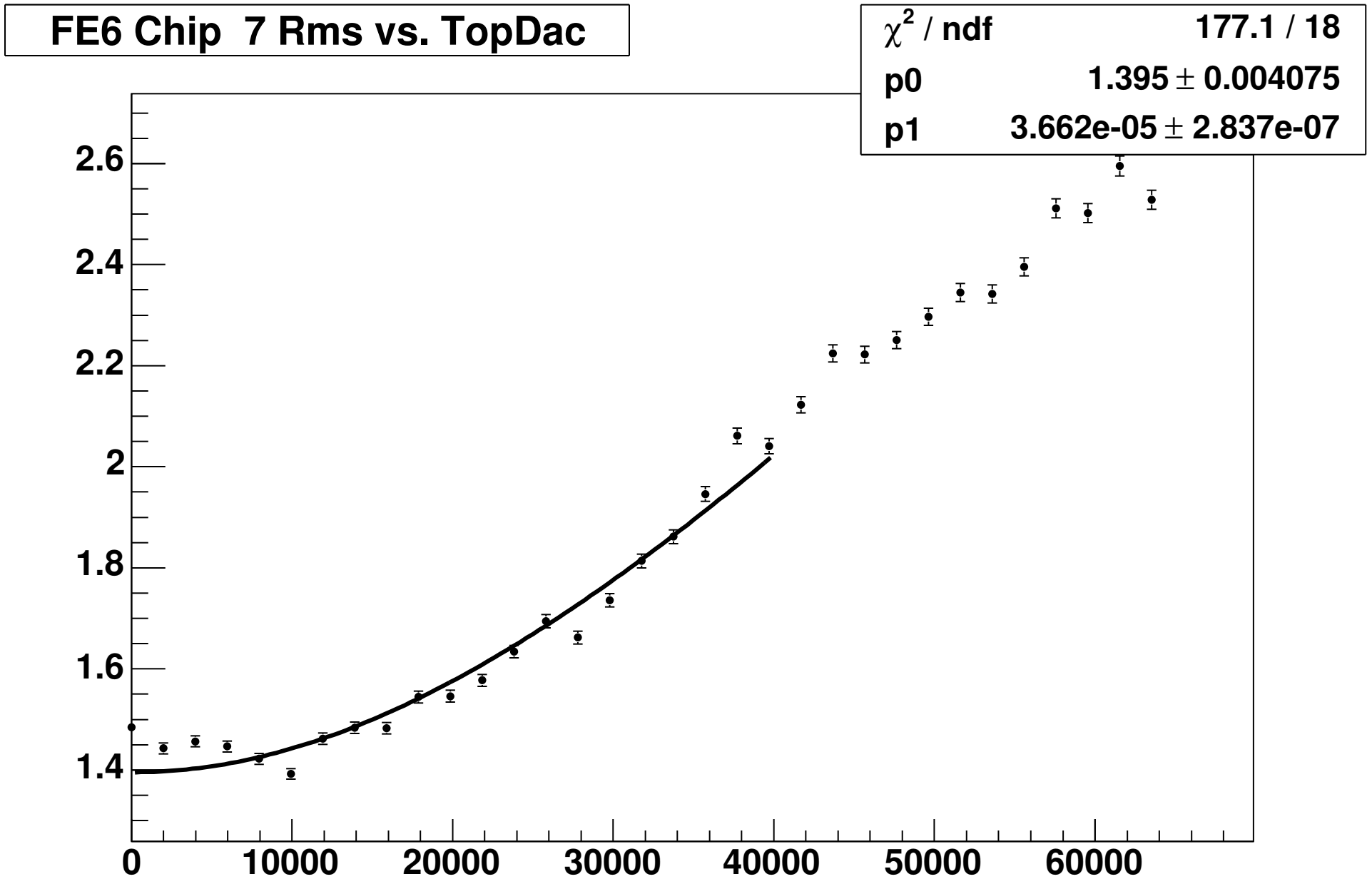
FE6 Chip 7 Rms vs. TopDac
χ² / ndf 177.1 / 18
p0 1.395 ± 0.004075
p1 3.662e-05 ± 2.837e-07
2.6
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1.4
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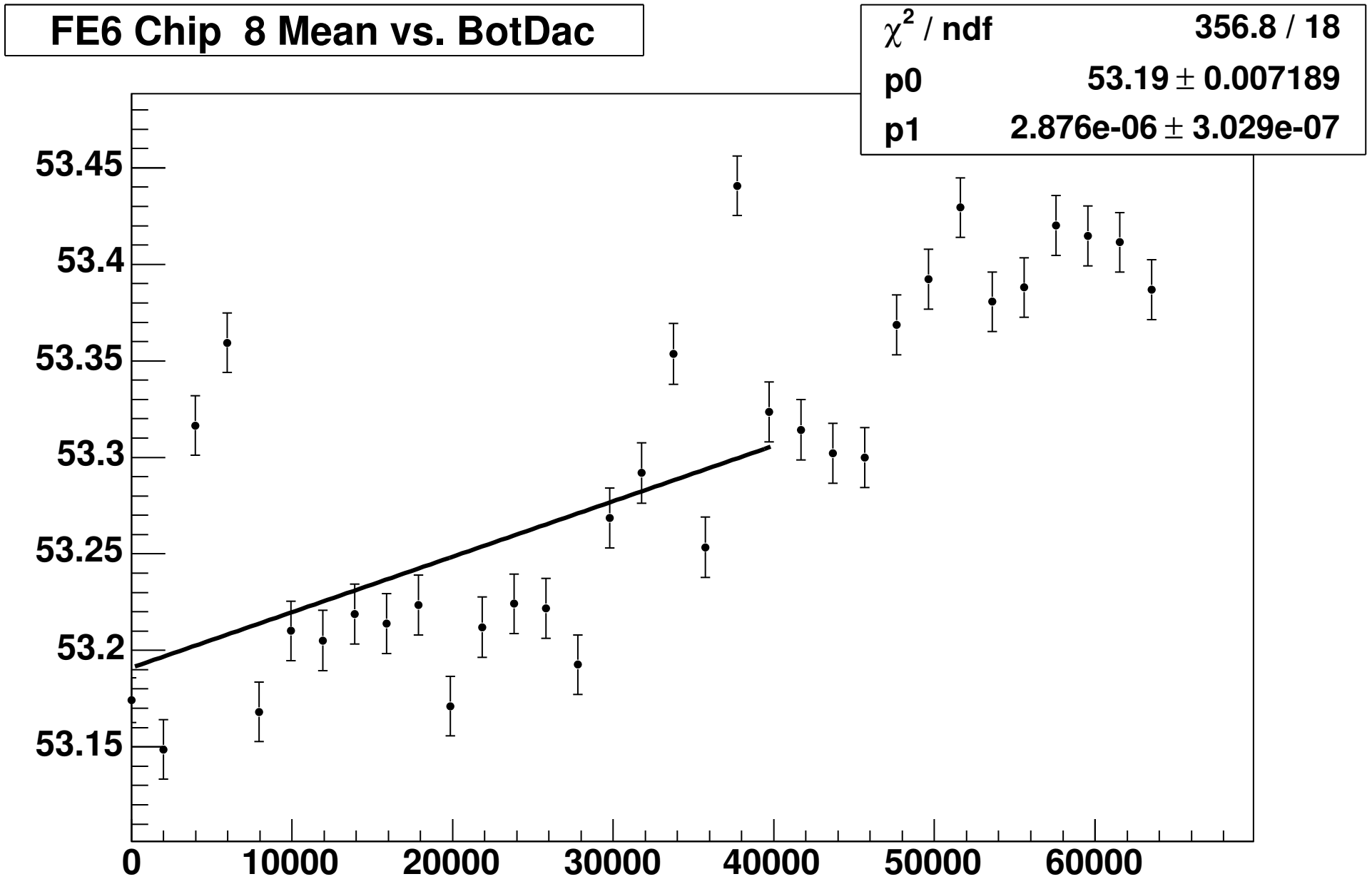
FE6 Chip 8 Mean vs. BotDac
χ² / ndf 356.8 / 18
p0 53.19 ± 0.007189
p1 2.876e-06 ± 3.029e-07
53.45
53.4
53.35
53.3
53.25
53.2
53.15
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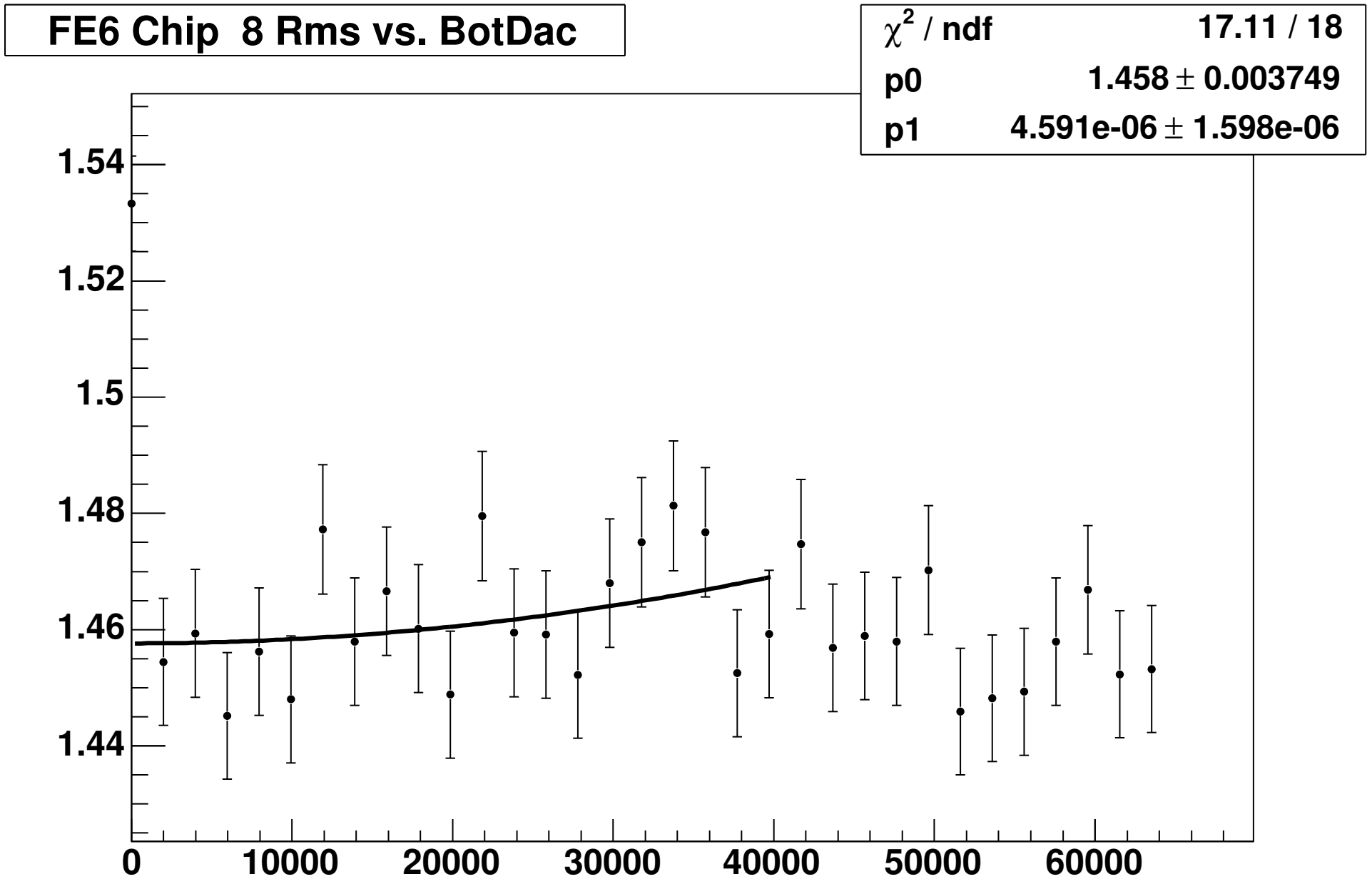
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 17.11 / 18
p0 1.458 ± 0.003749
p1 4.591e-06 ± 1.598e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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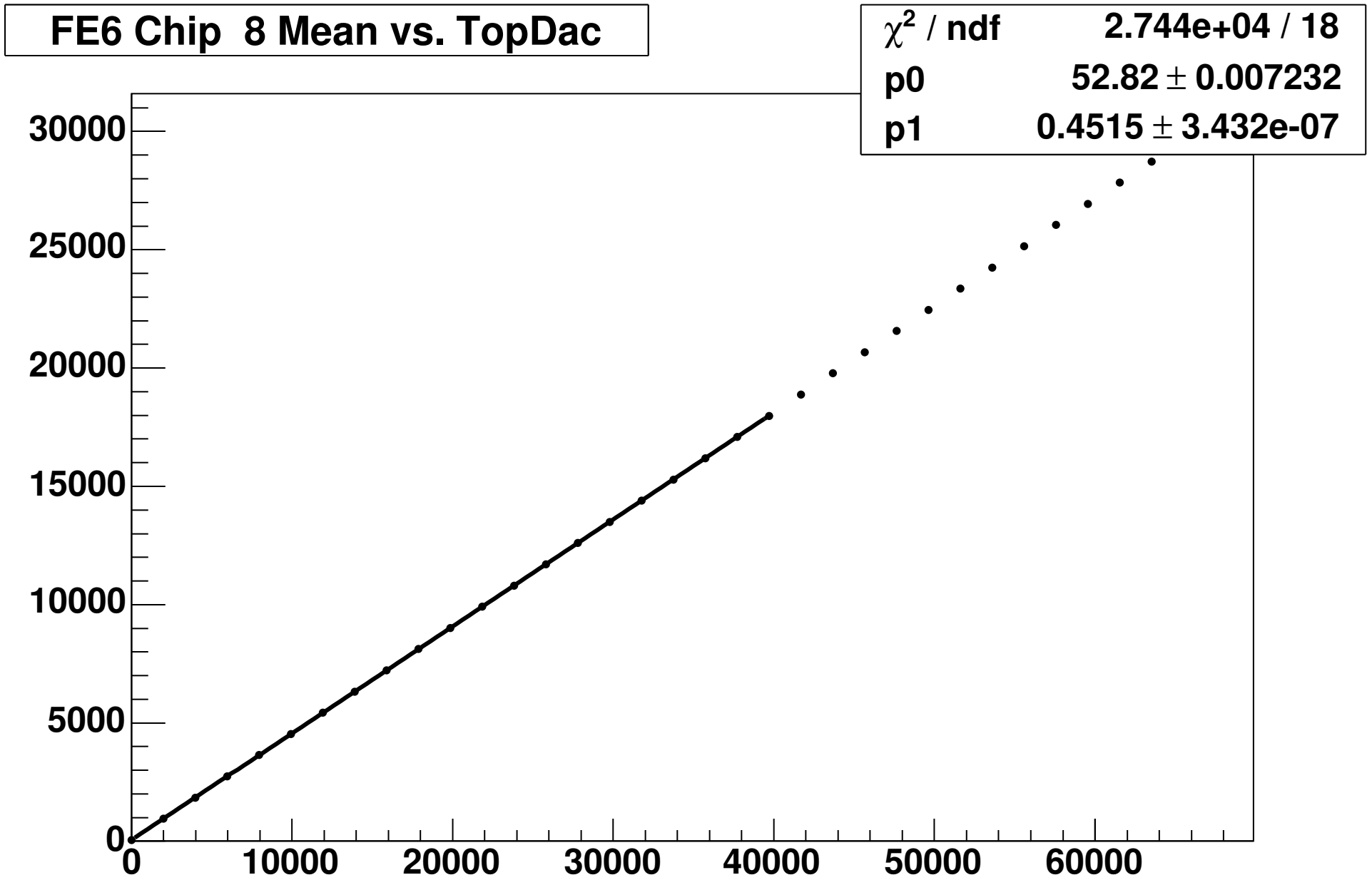
50000
60000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 2.744e+04 / 18
p0 52.82 ± 0.007232
p1 0.4515 ± 3.432e-07
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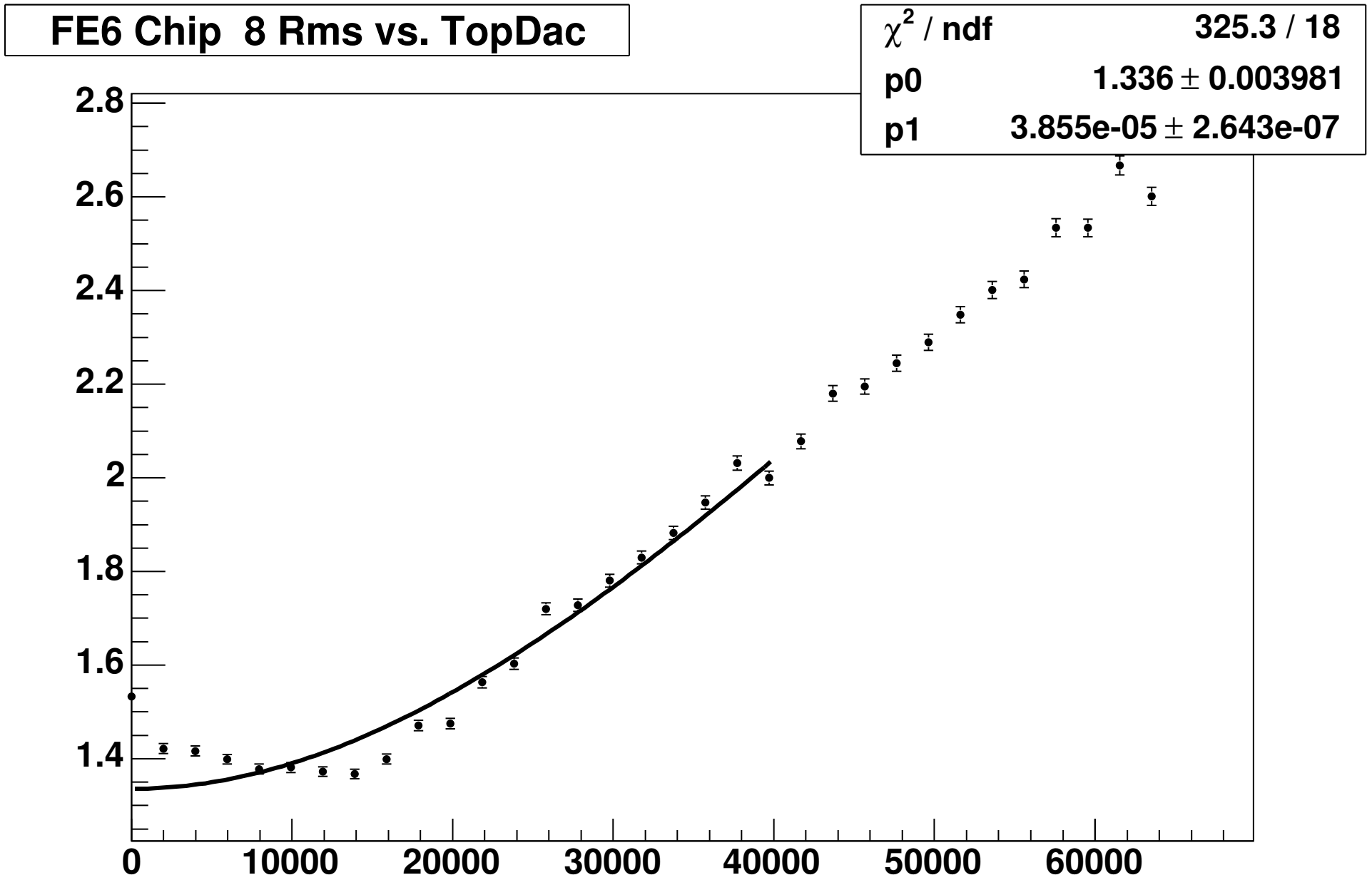
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 325.3 / 18
p0 1.336 ± 0.003981
p1 3.855e-05 ± 2.643e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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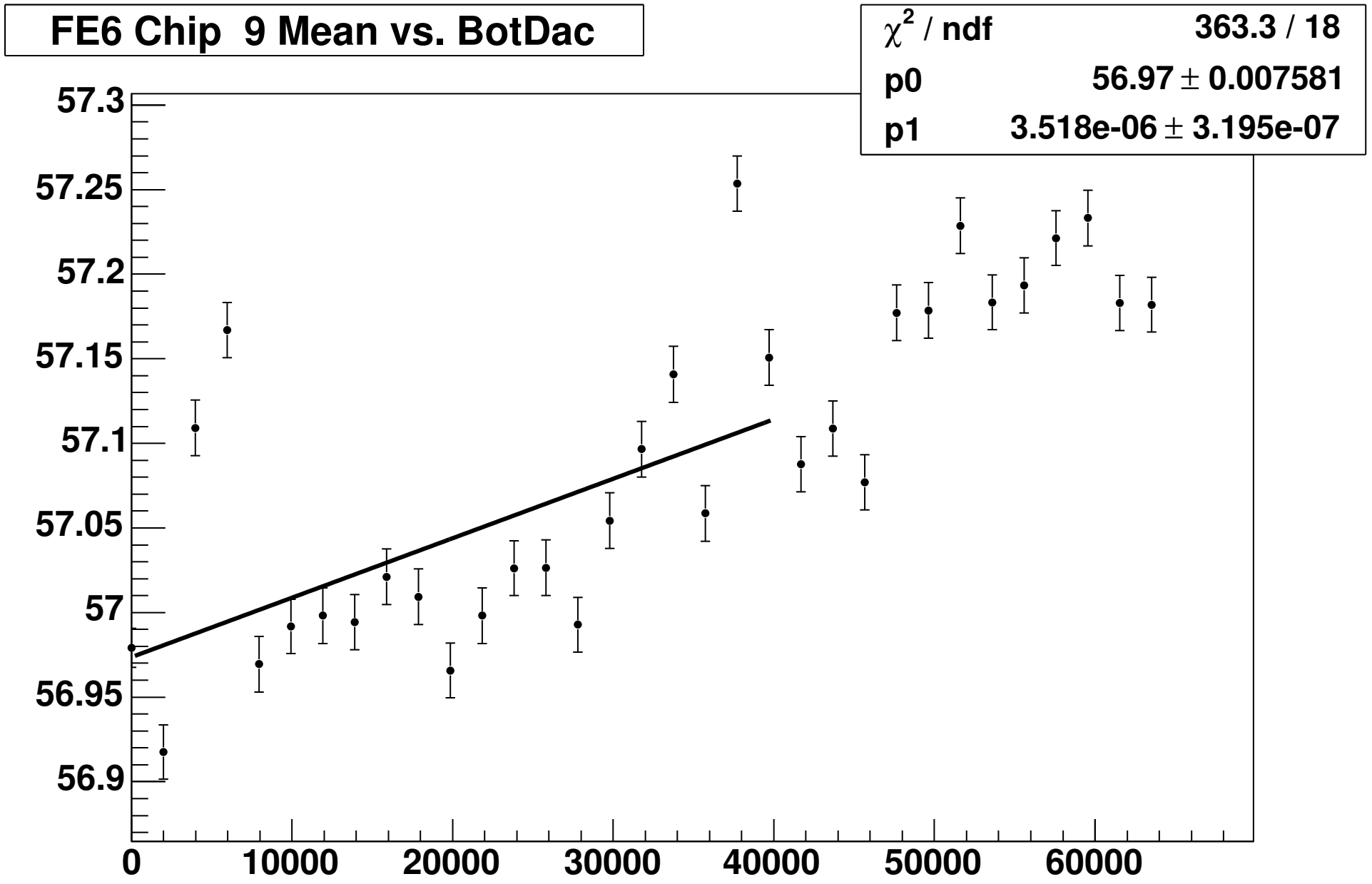
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 363.3 / 18
p0 56.97 ± 0.007581
p1 3.518e-06 ± 3.195e-07
57.3
57.25
57.2
57.15
57.1
57.05
57
56.95
56.9
0
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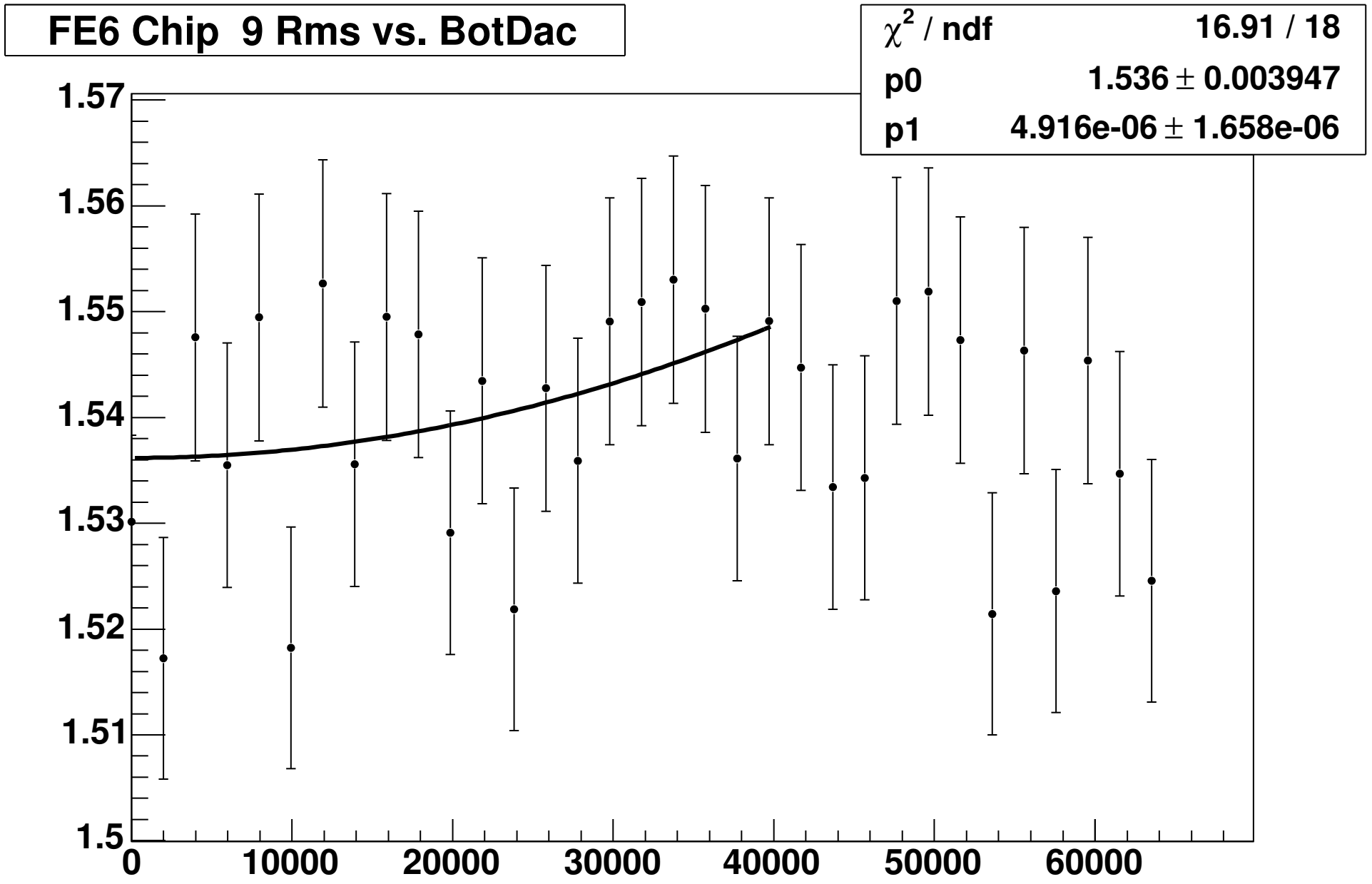
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 16.91 / 18
p0 1.536 ± 0.003947
p1 4.916e-06 ± 1.658e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
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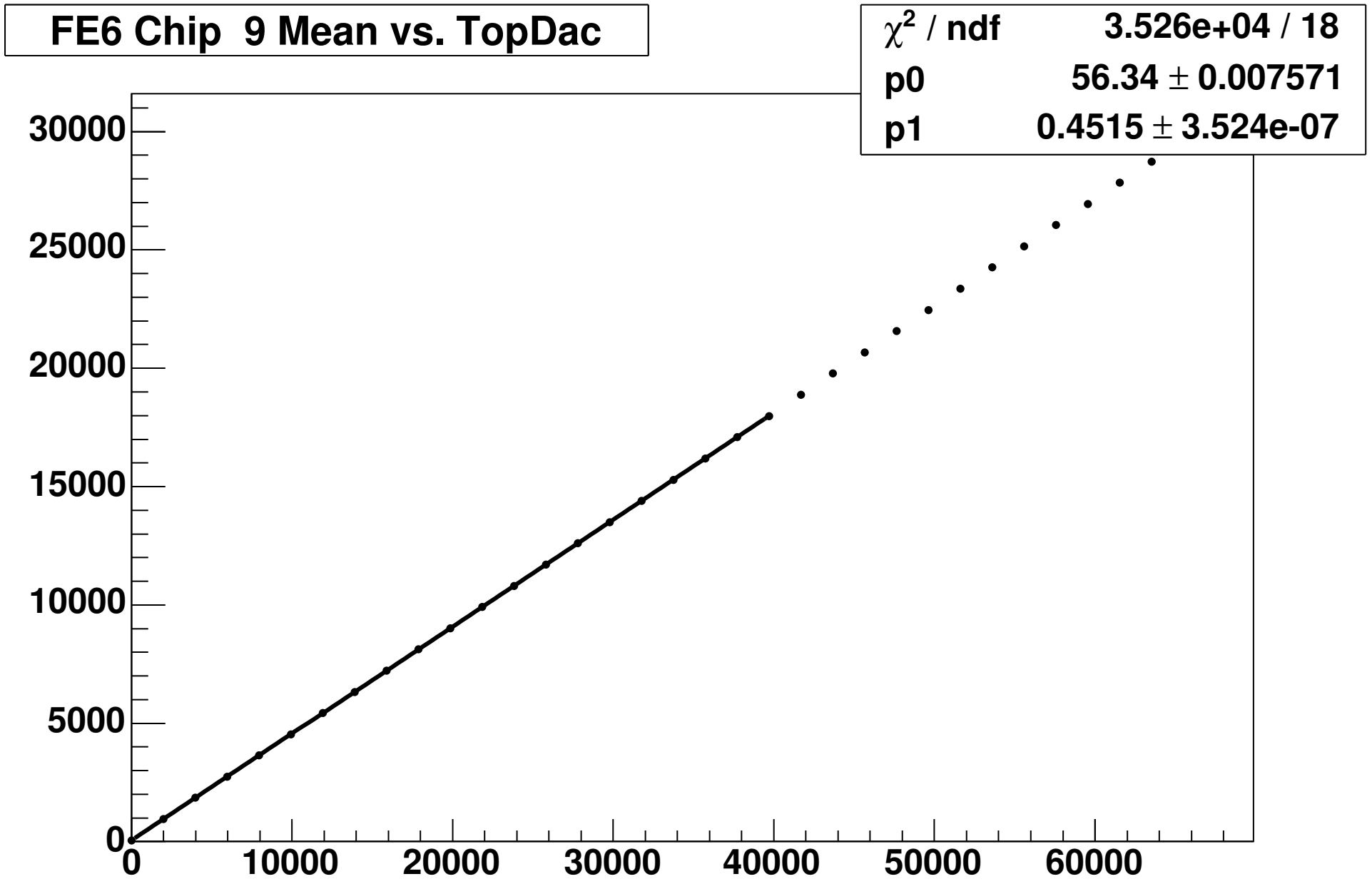
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 3.526e+04 / 18
p0 56.34 ± 0.007571
p1 0.4515 ± 3.524e-07
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5000
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0
10000
20000
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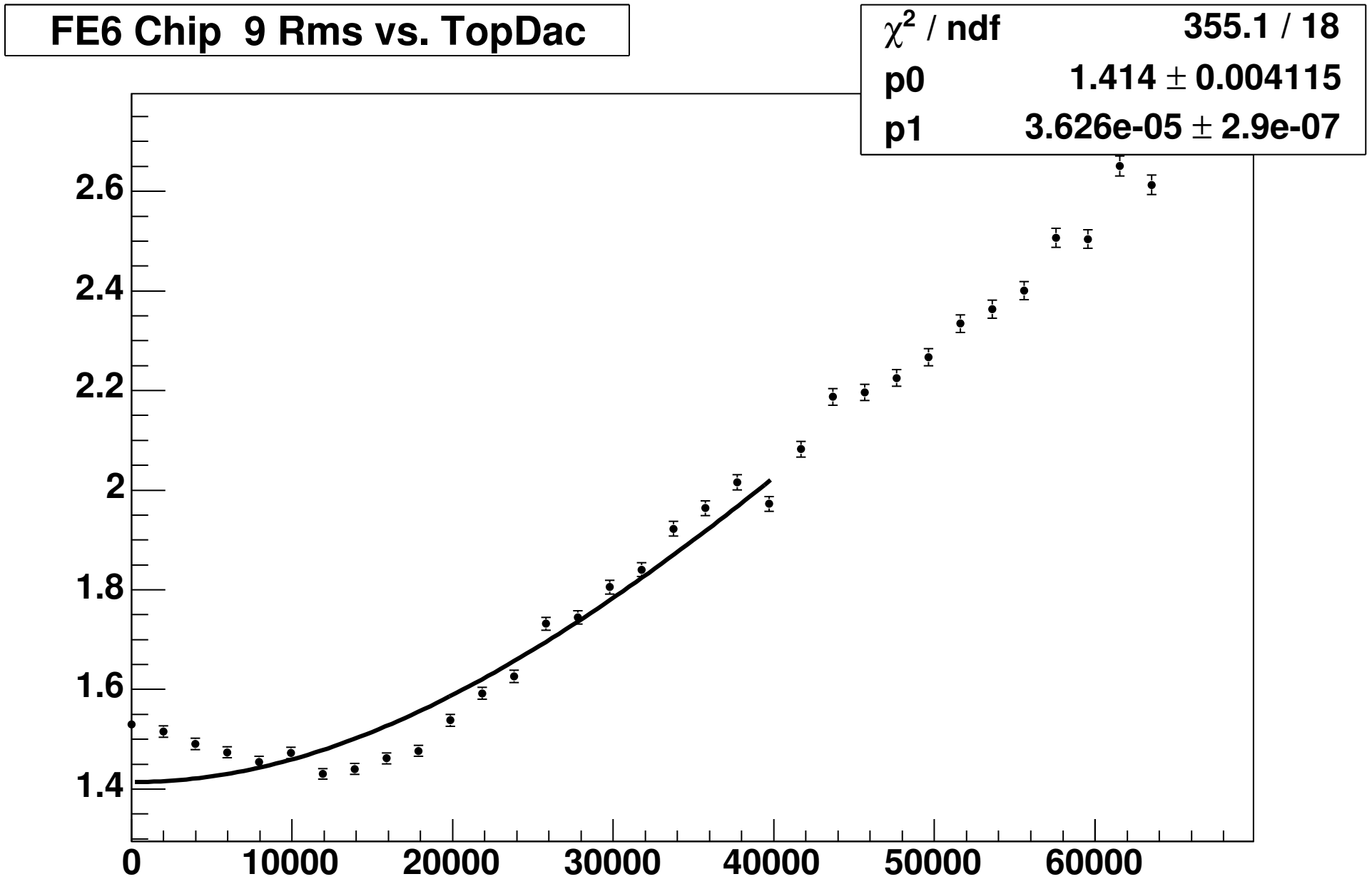
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ^2 / ndf 355.1 / 18
p0 1.414 ± 0.004115
p1 3.626e-05 ± 2.9e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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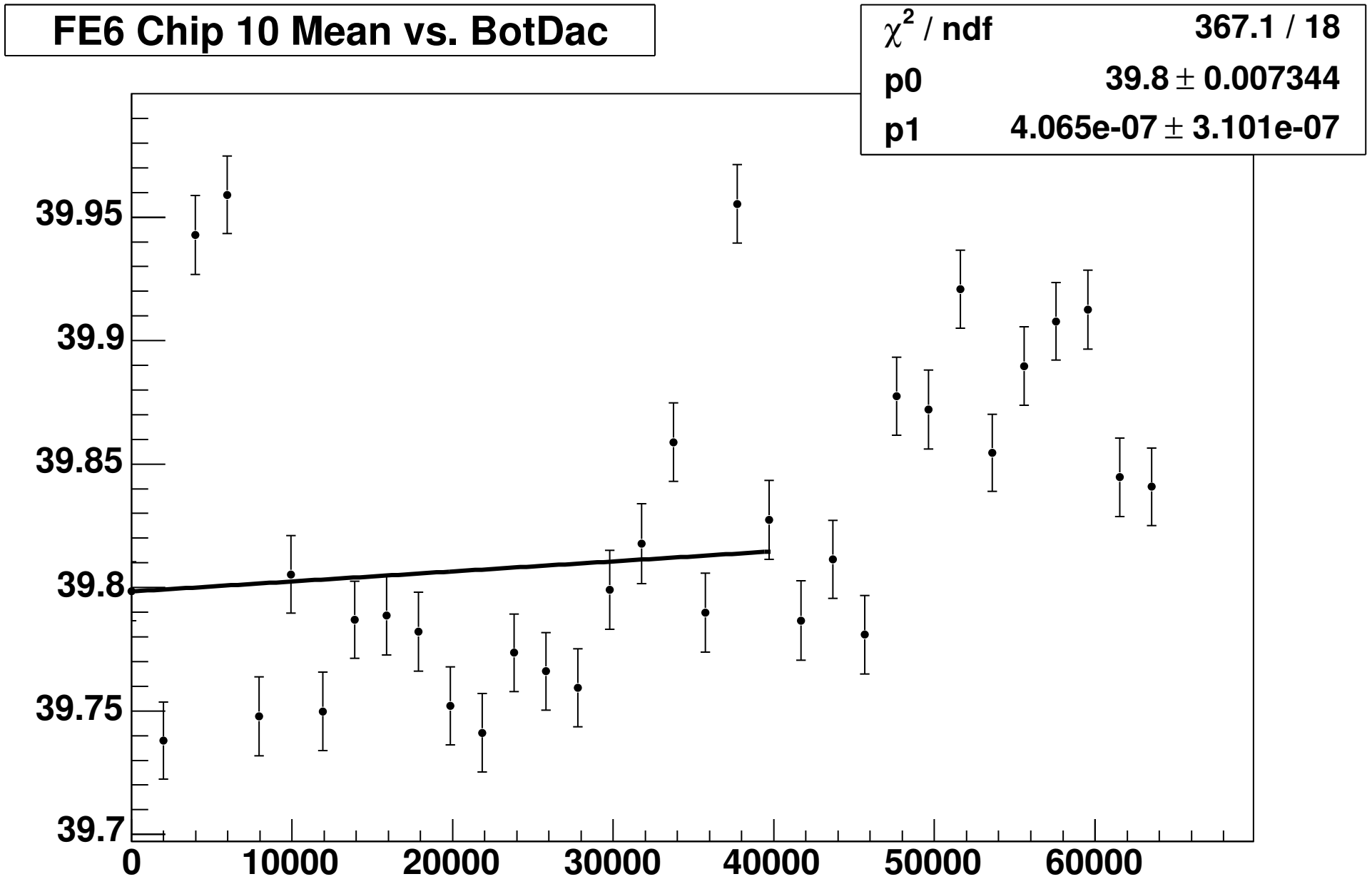
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 367.1 / 18
p0 39.8 ± 0.007344
p1 4.065e-07 ± 3.101e-07
39.95
39.9
39.85
39.8
39.75
39.7
0
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40000
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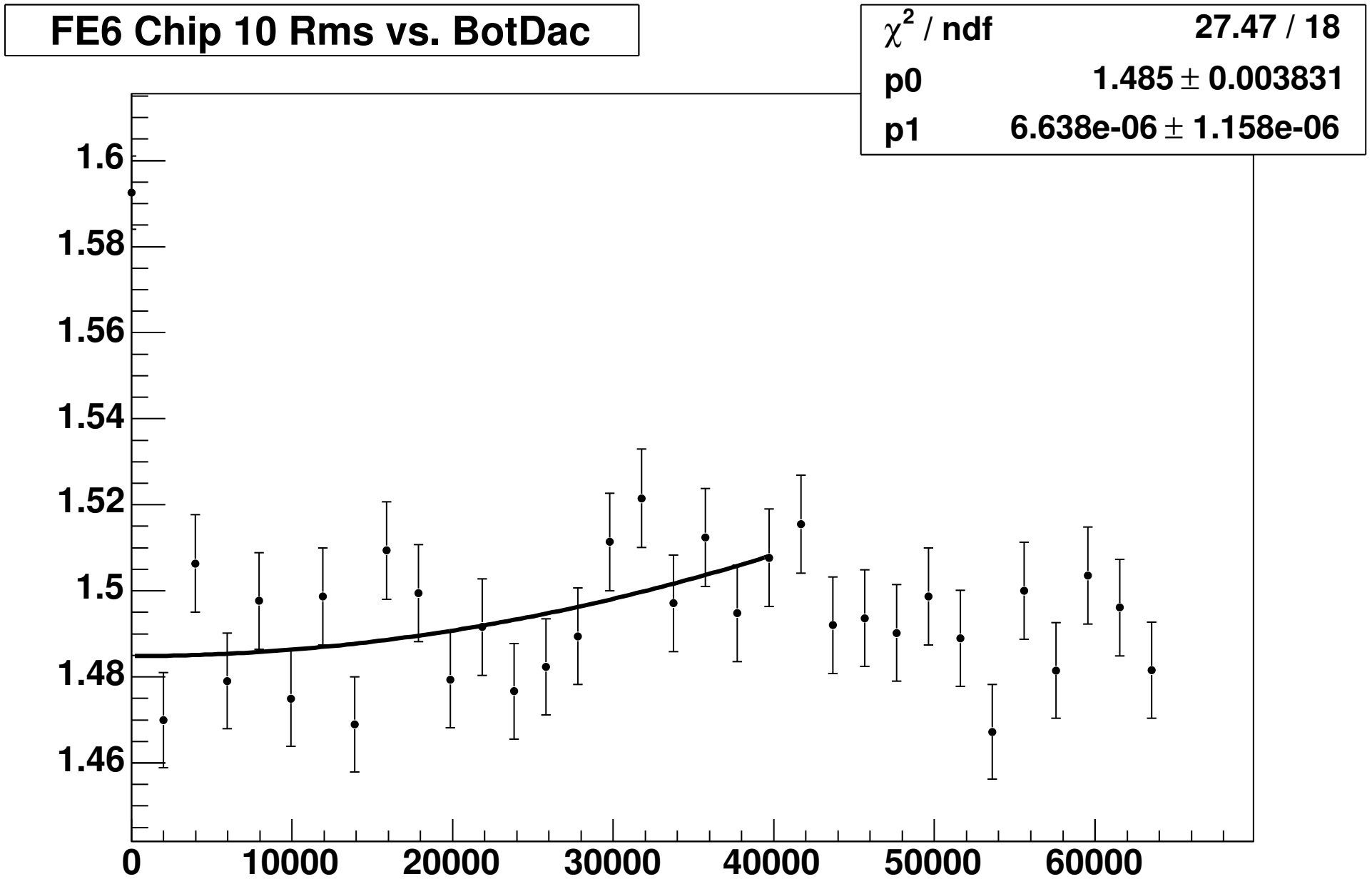
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 27.47 / 18
p0 1.485 ± 0.003831
p1 6.638e-06 ± 1.158e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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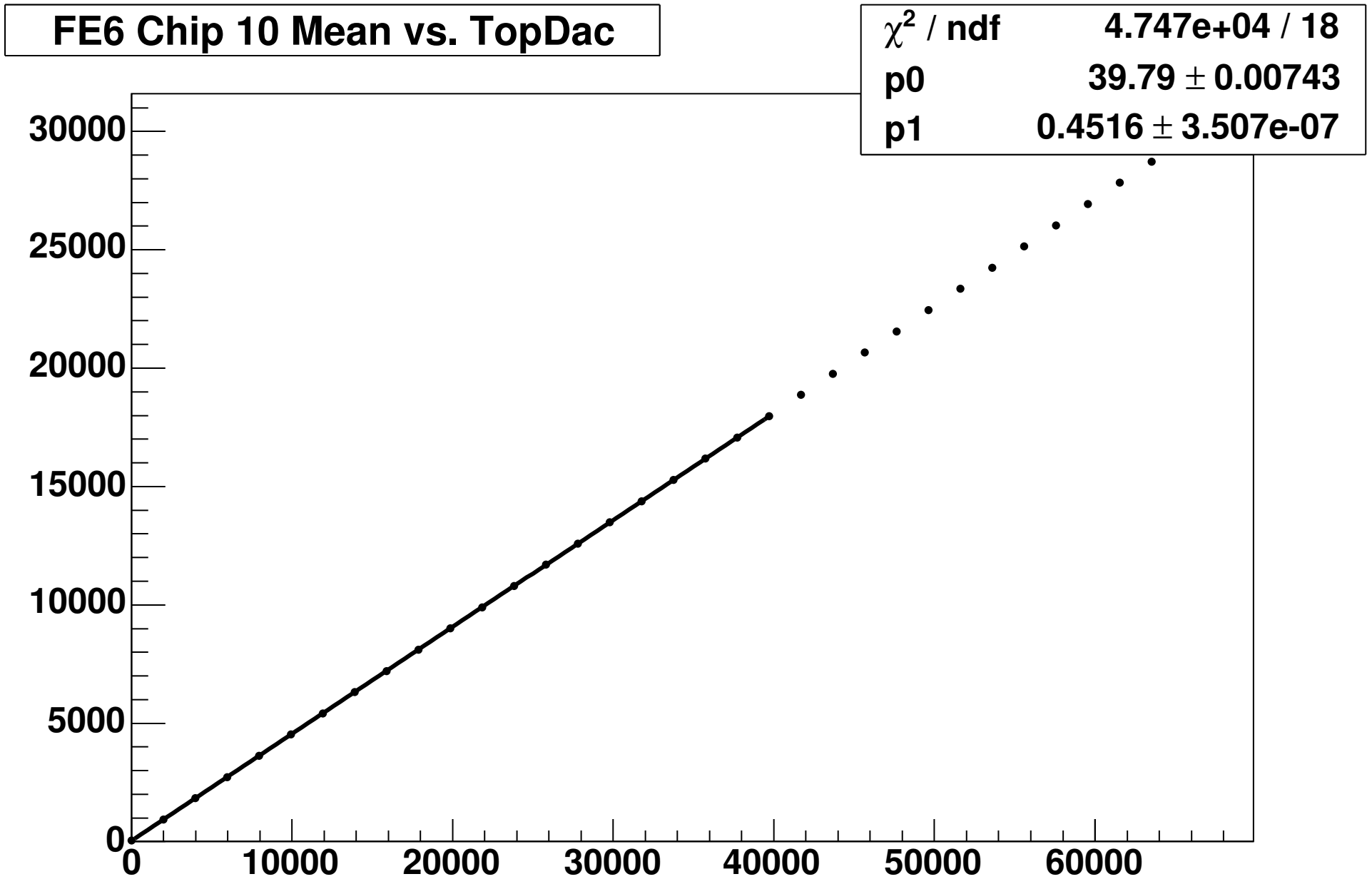
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 4.747e+04 / 18
p0 39.79 ± 0.00743
p1 0.4516 ± 3.507e-07
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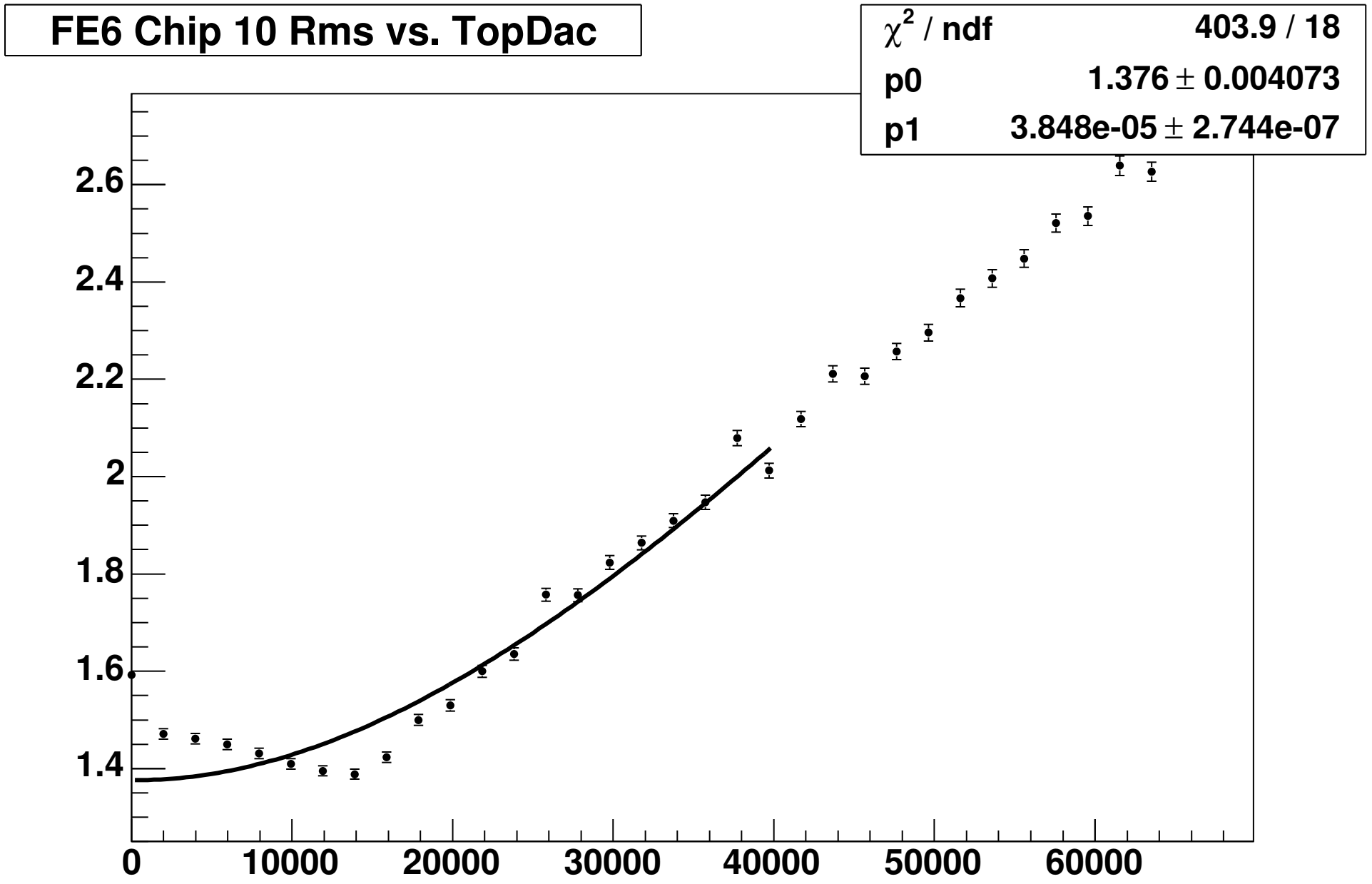
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 403.9 / 18
p0 1.376 ± 0.004073
p1 3.848e-05 ± 2.744e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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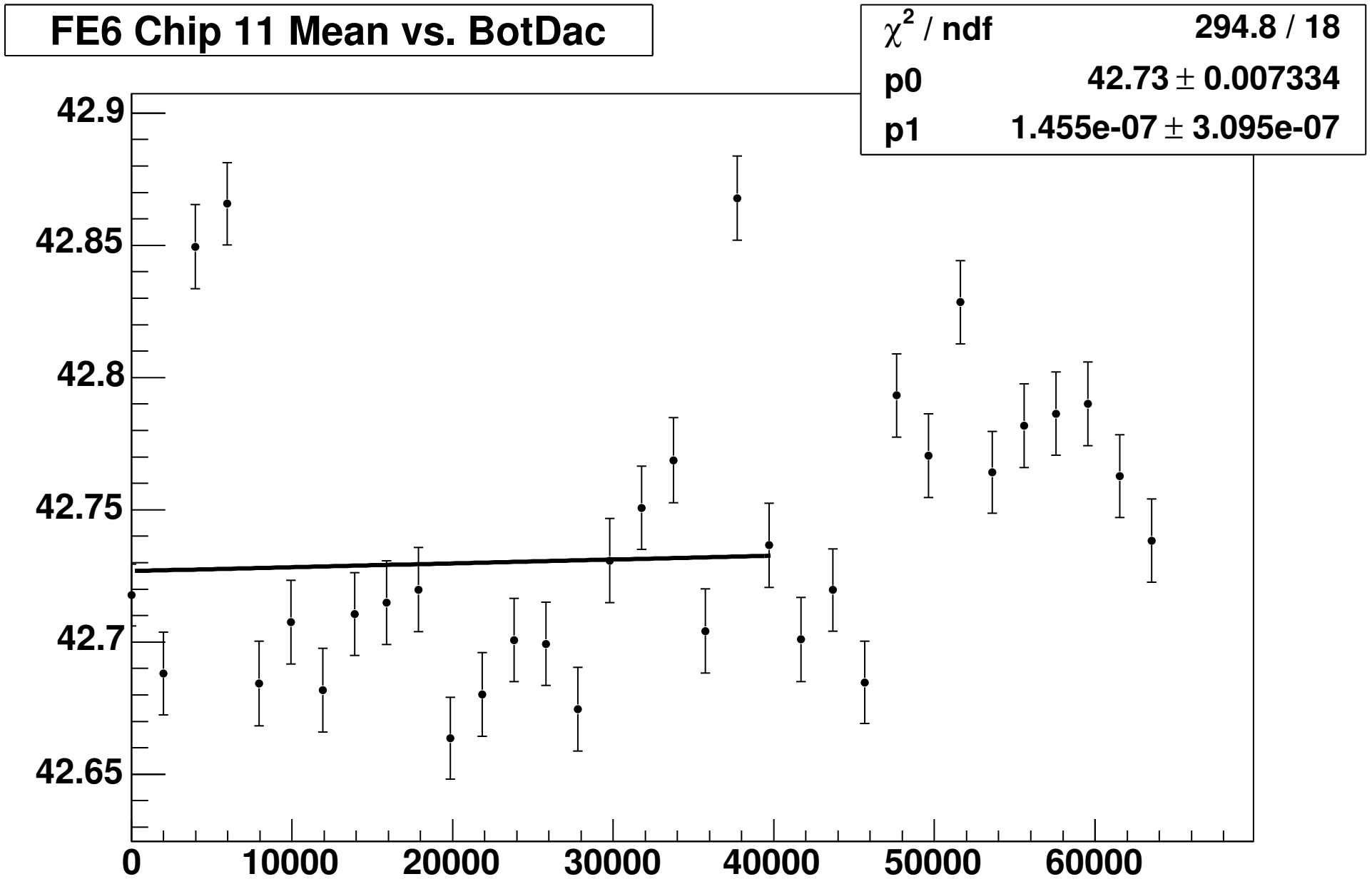
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 294.8 / 18
p0 42.73 ± 0.007334
p1 1.455e-07 ± 3.095e-07
42.9
42.85
42.8
42.75
42.7
42.65
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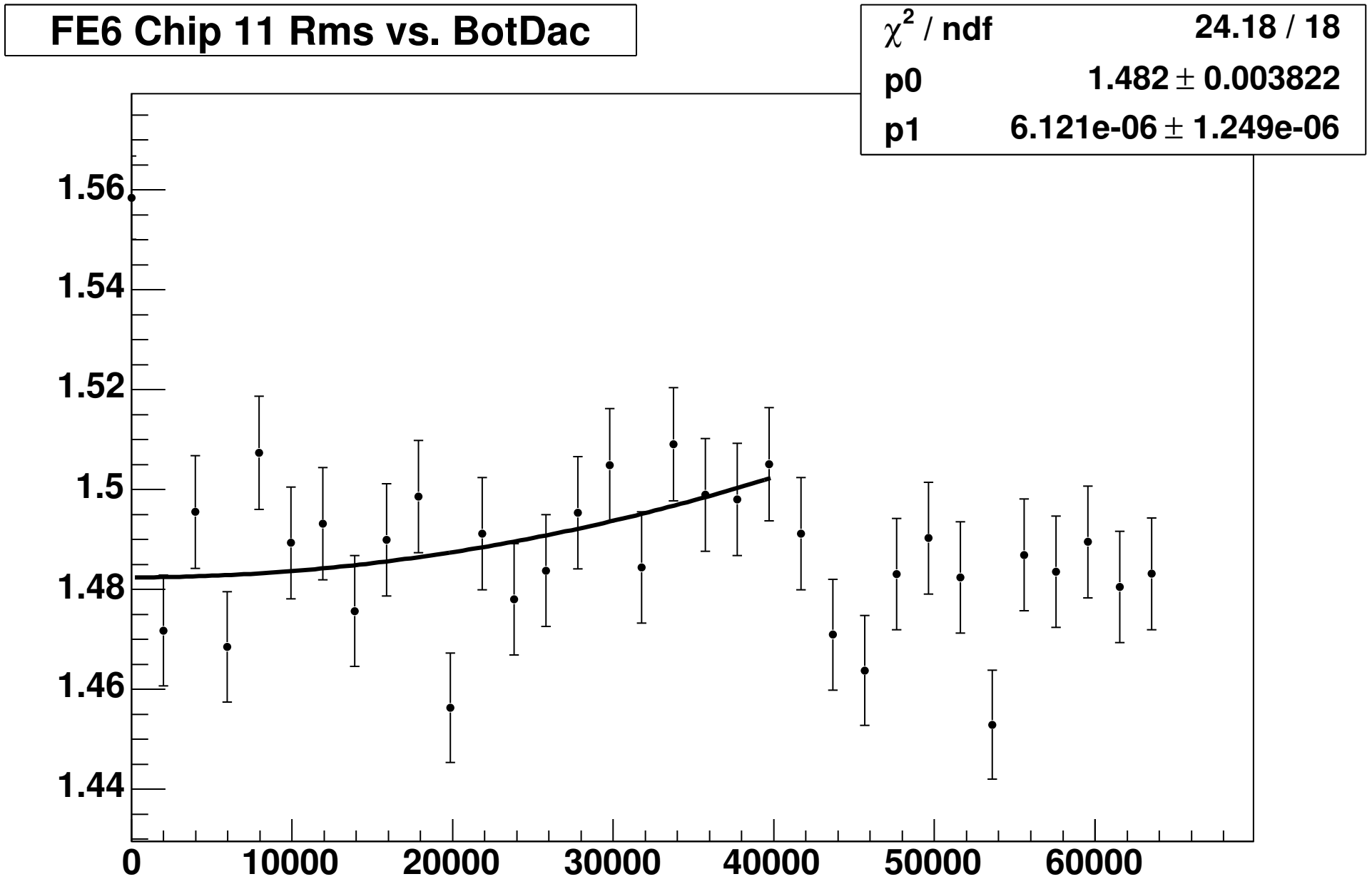
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 24.18 / 18
p0 1.482 ± 0.003822
p1 6.121e-06 ± 1.249e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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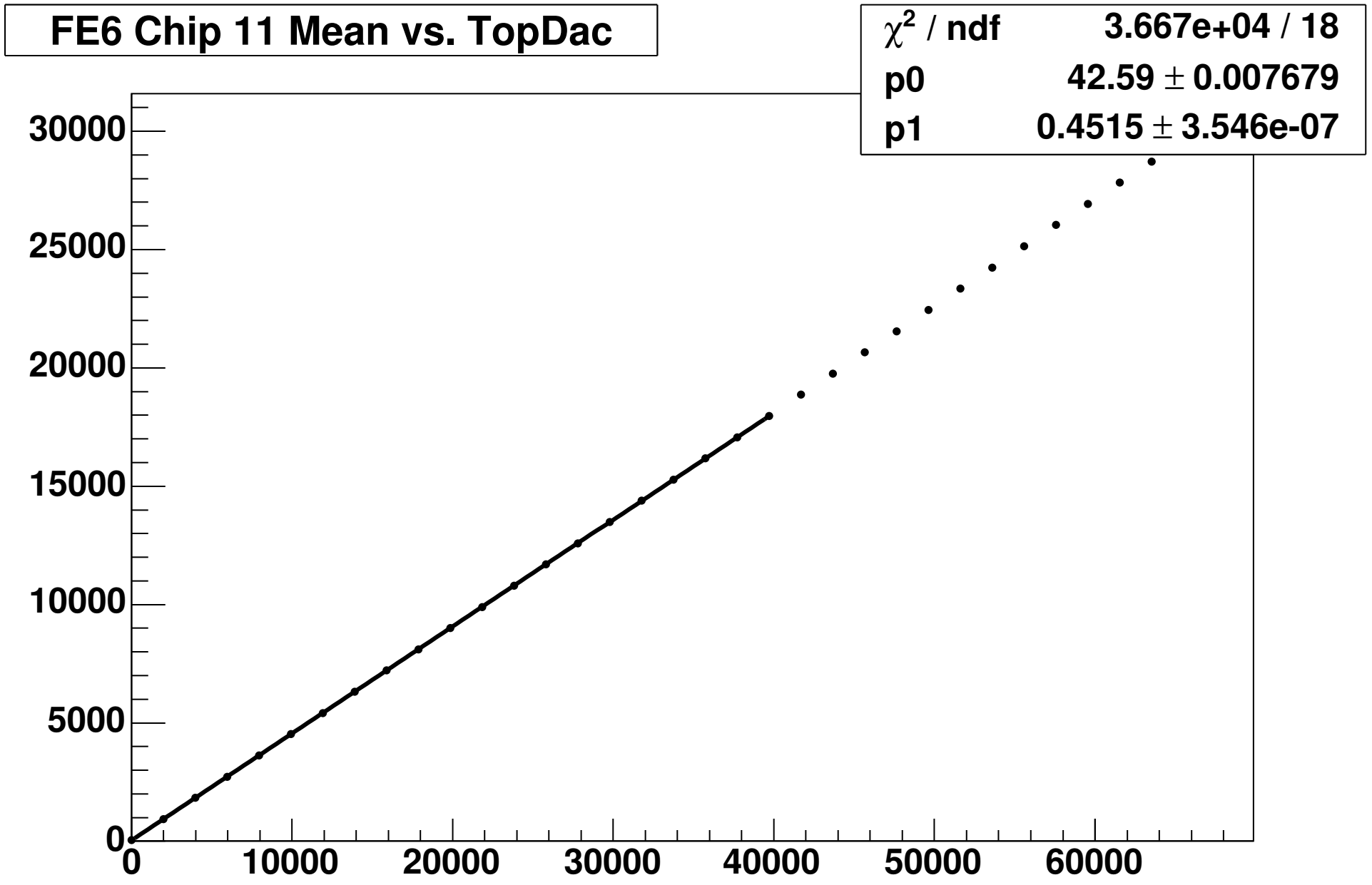
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 3.667e+04 / 18
p0 42.59 ± 0.007679
p1 0.4515 ± 3.546e-07
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5000
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10000
20000
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40000
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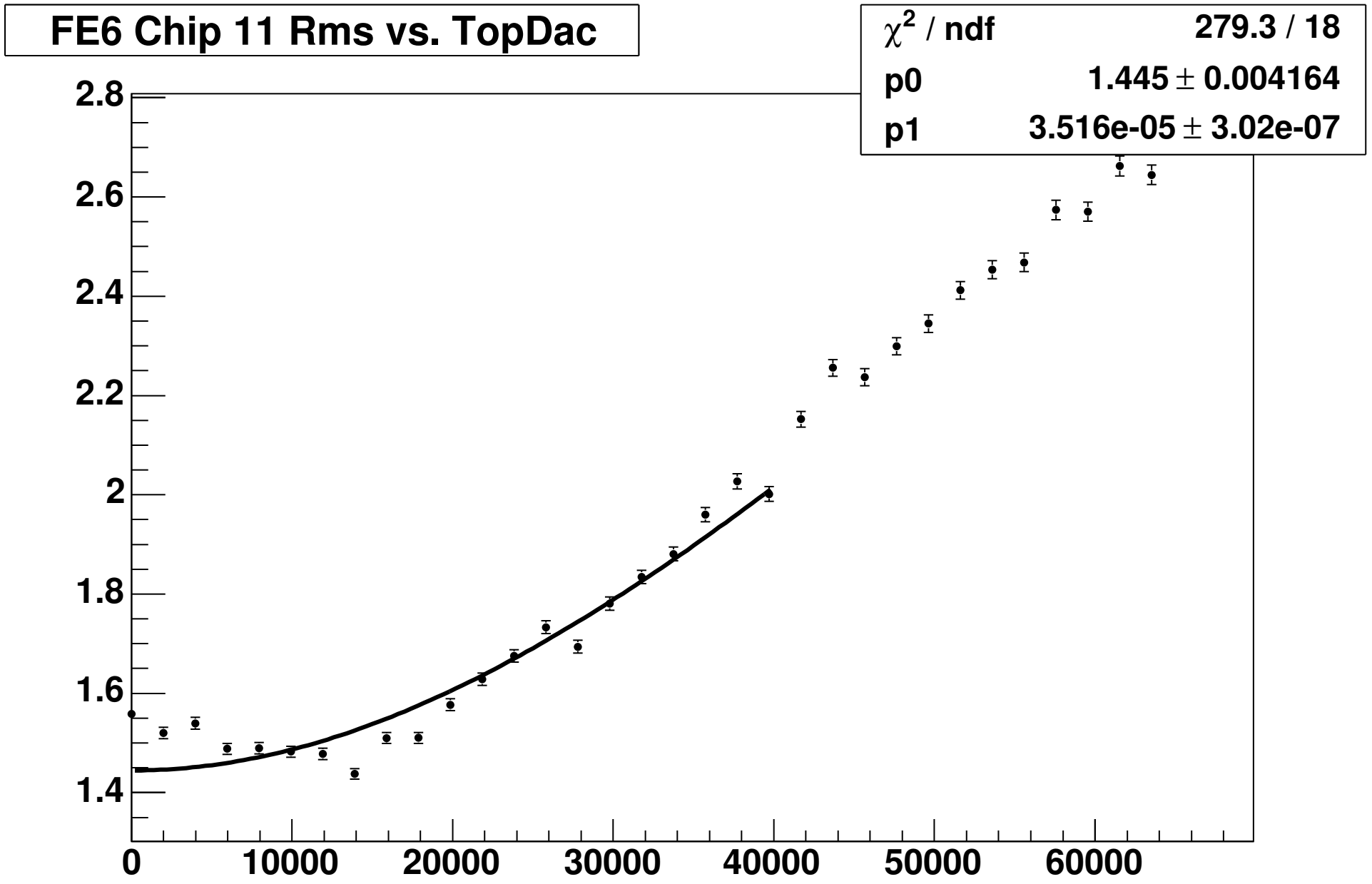
60000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 279.3 / 18
p0 1.445 ± 0.004164
p1 3.516e-05 ± 3.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
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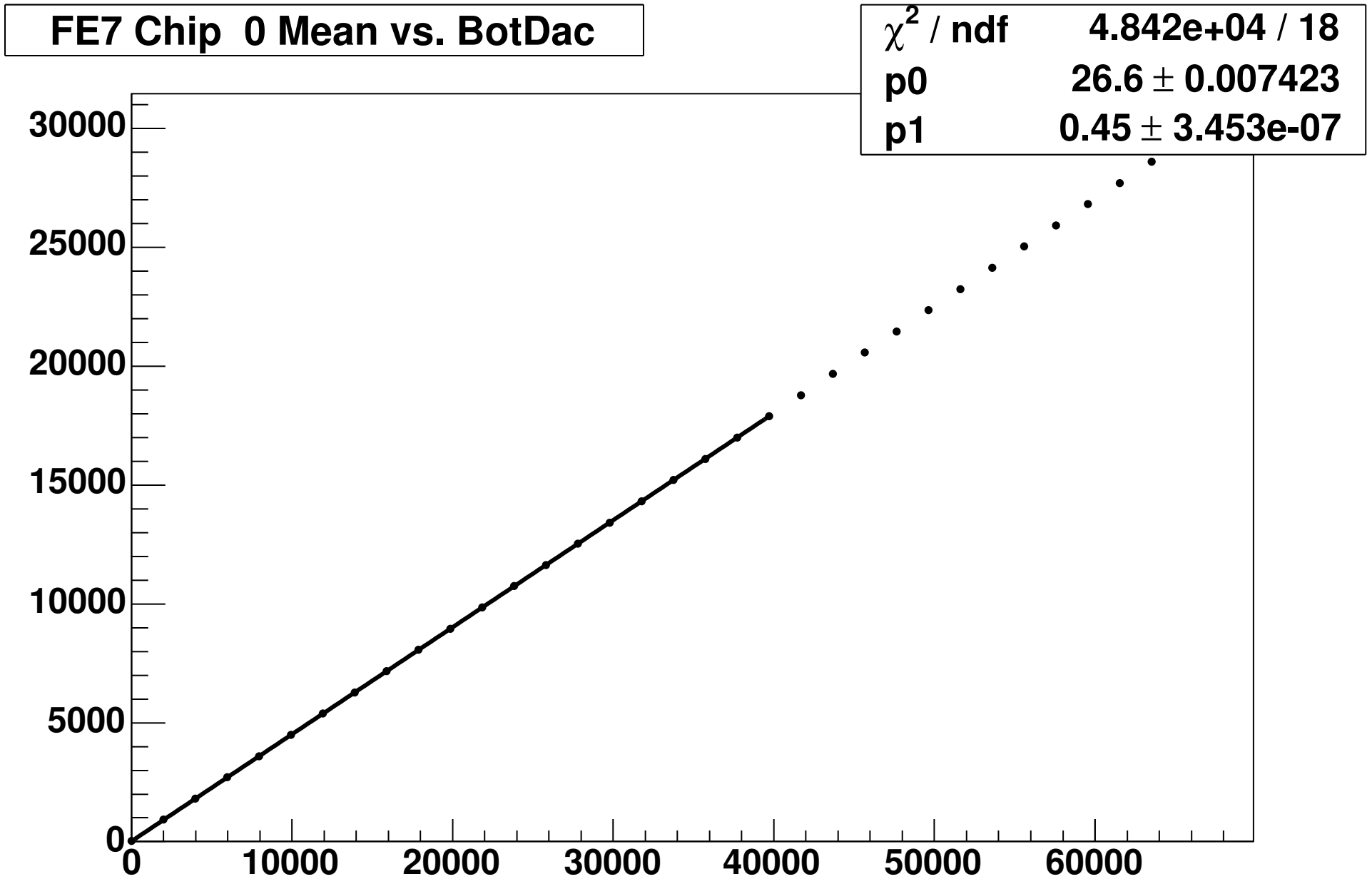
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 4.842e+04 / 18
p0 26.6 ± 0.007423
p1 0.45 ± 3.453e-07
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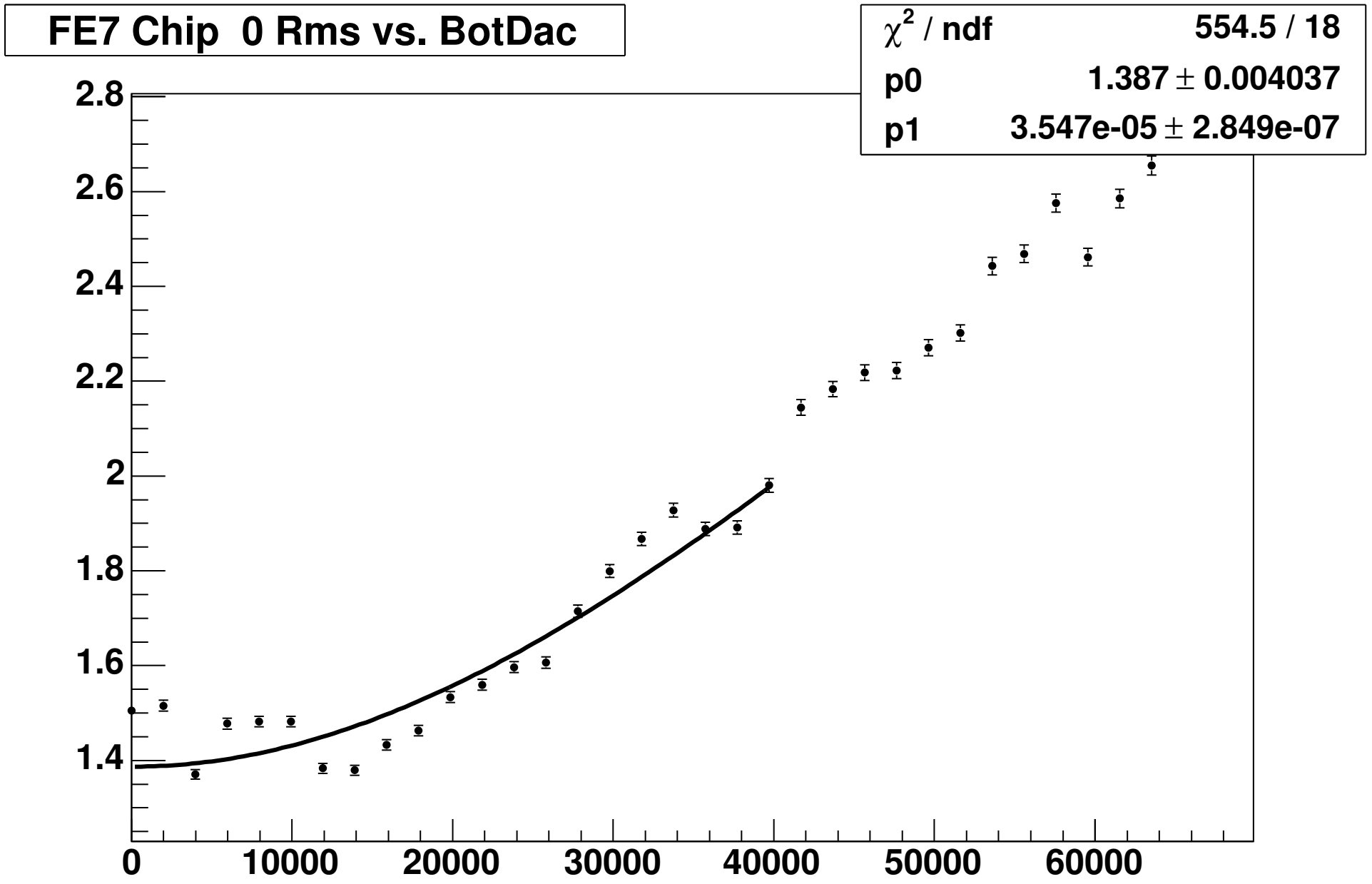
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 554.5 / 18
p0 1.387 ± 0.004037
p1 3.547e-05 ± 2.849e-07
2.8
2.6
2.4
2.2
2
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1.6
1.4
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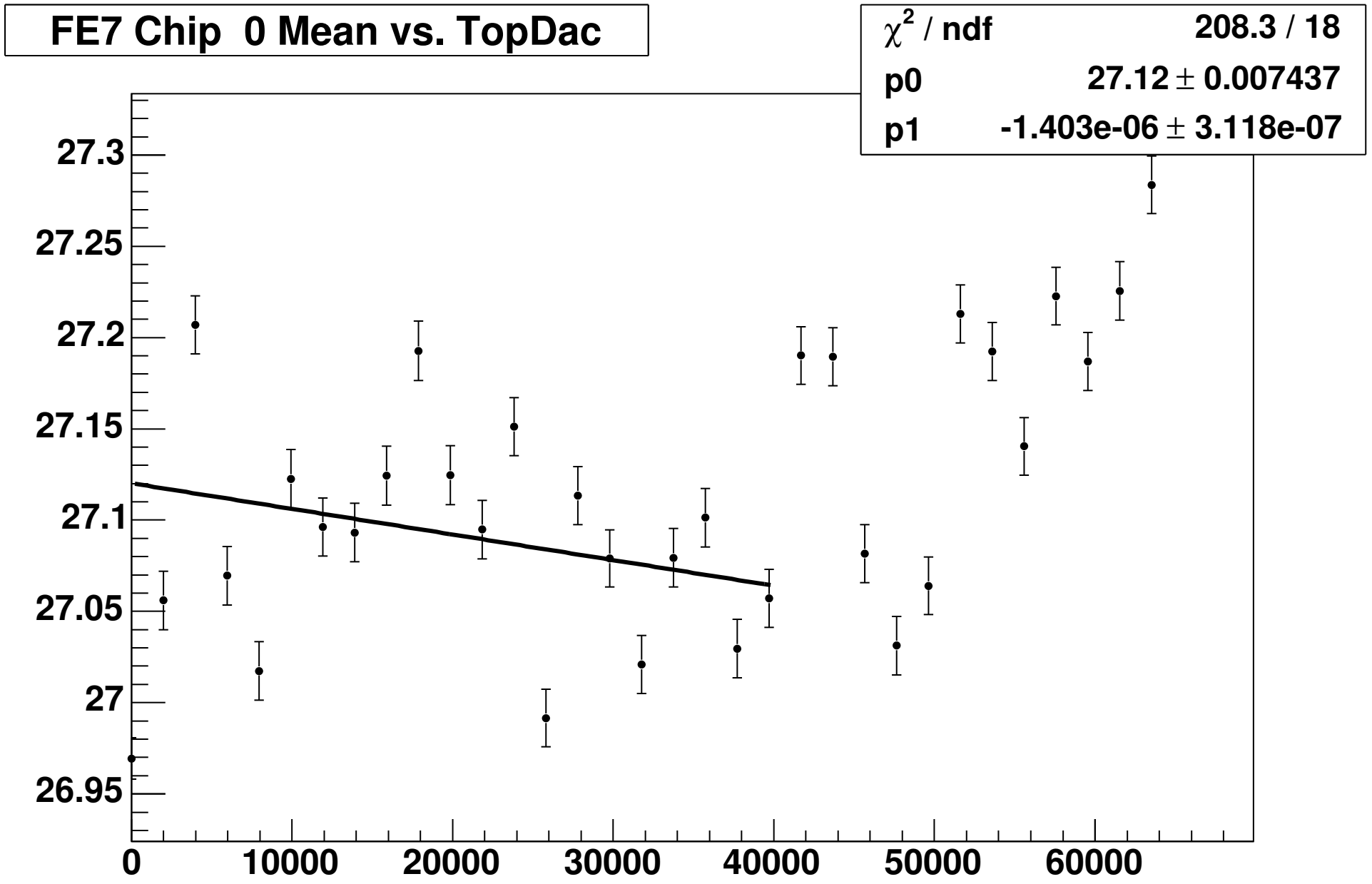
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 208.3 / 18
p0 27.12 ± 0.007437
p1 -1.403e-06 ± 3.118e-07
27.3
27.25
27.2
27.15
27.1
27.05
27
26.95
0
10000
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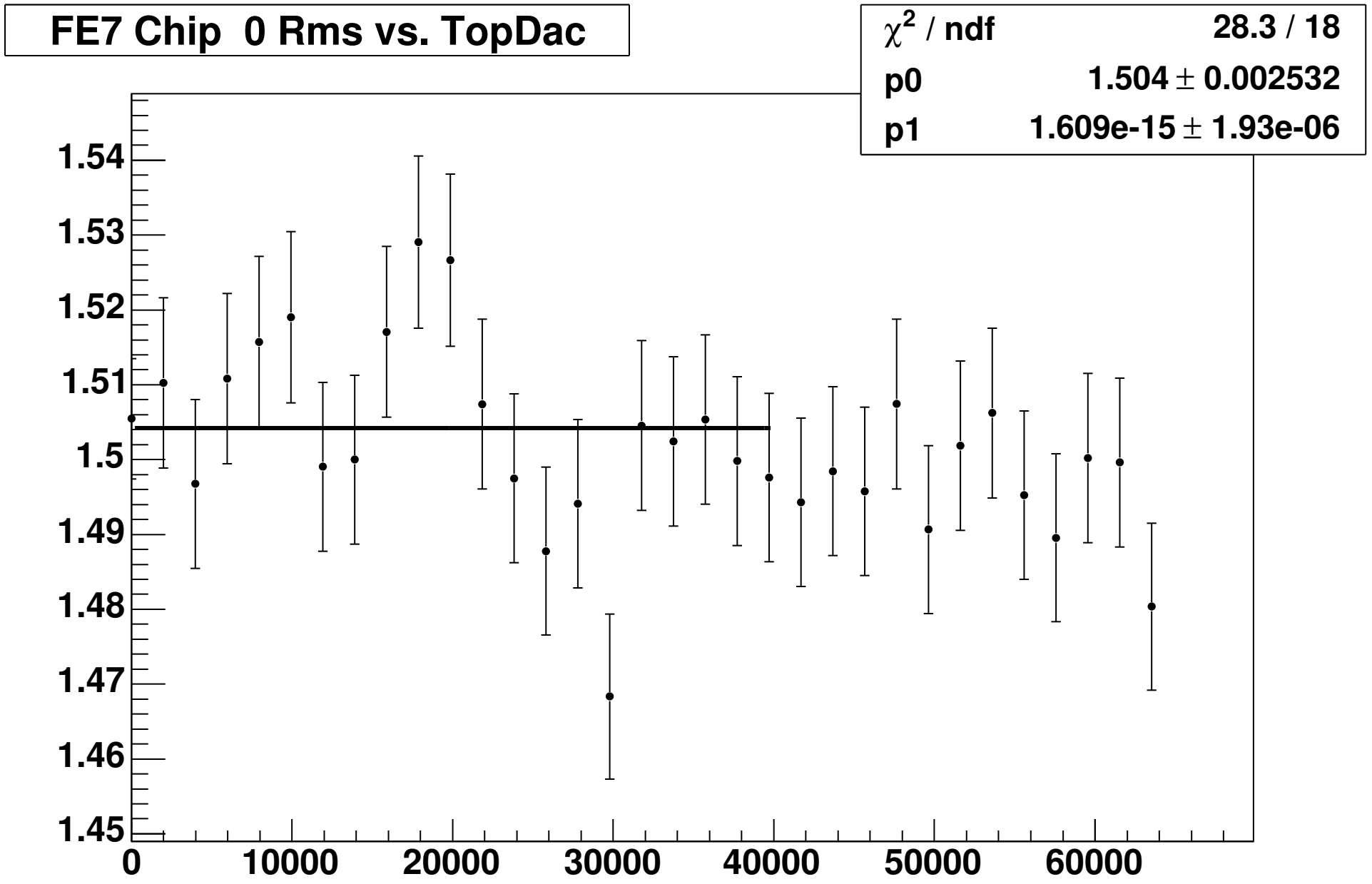
40000
50000
60000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 28.3 / 18
p0 1.504 ± 0.002532
p1 1.609e-15 ± 1.93e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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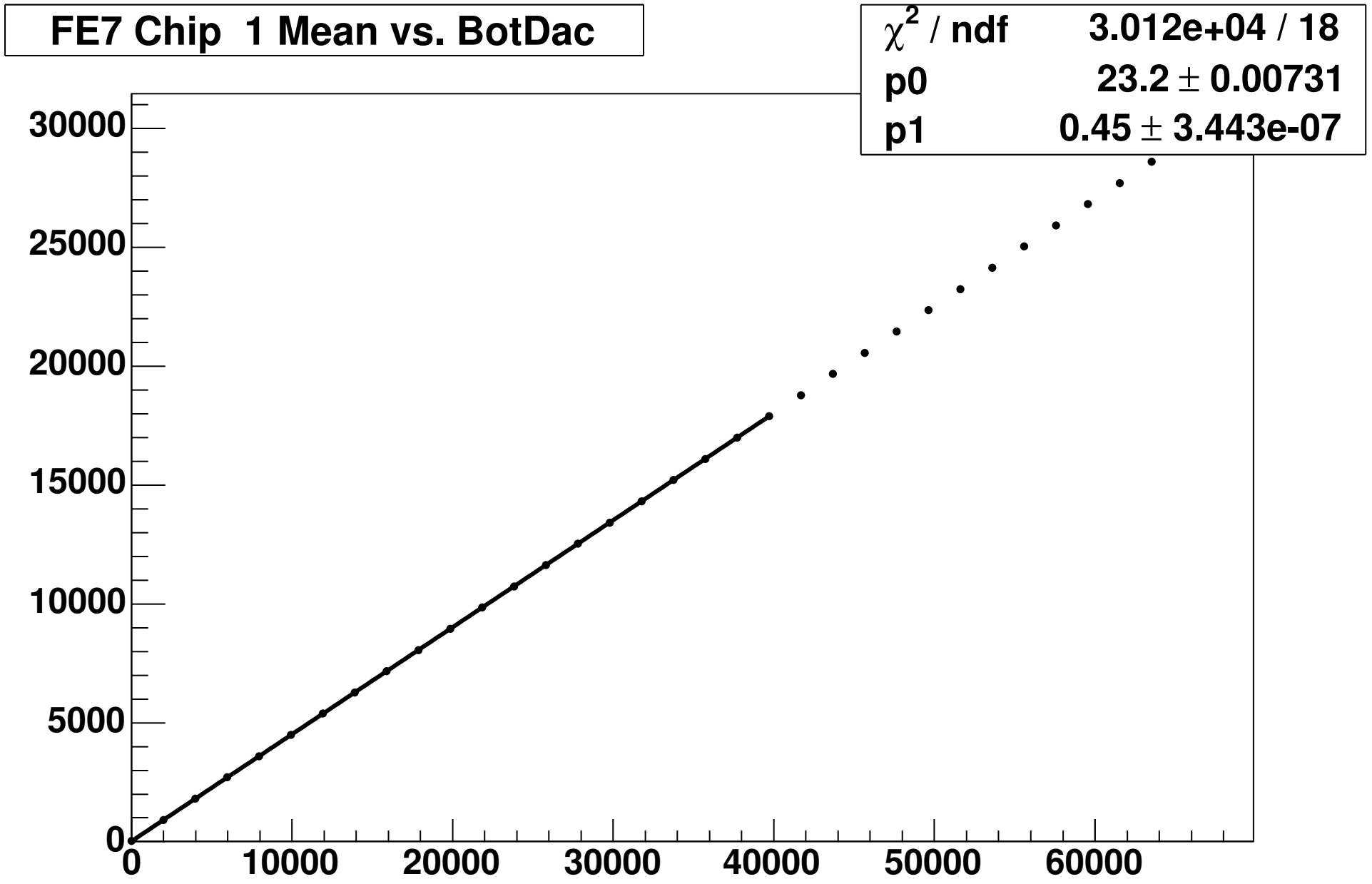
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 3.012e+04 / 18
p0 23.2 ± 0.00731
p1 0.45 ± 3.443e-07
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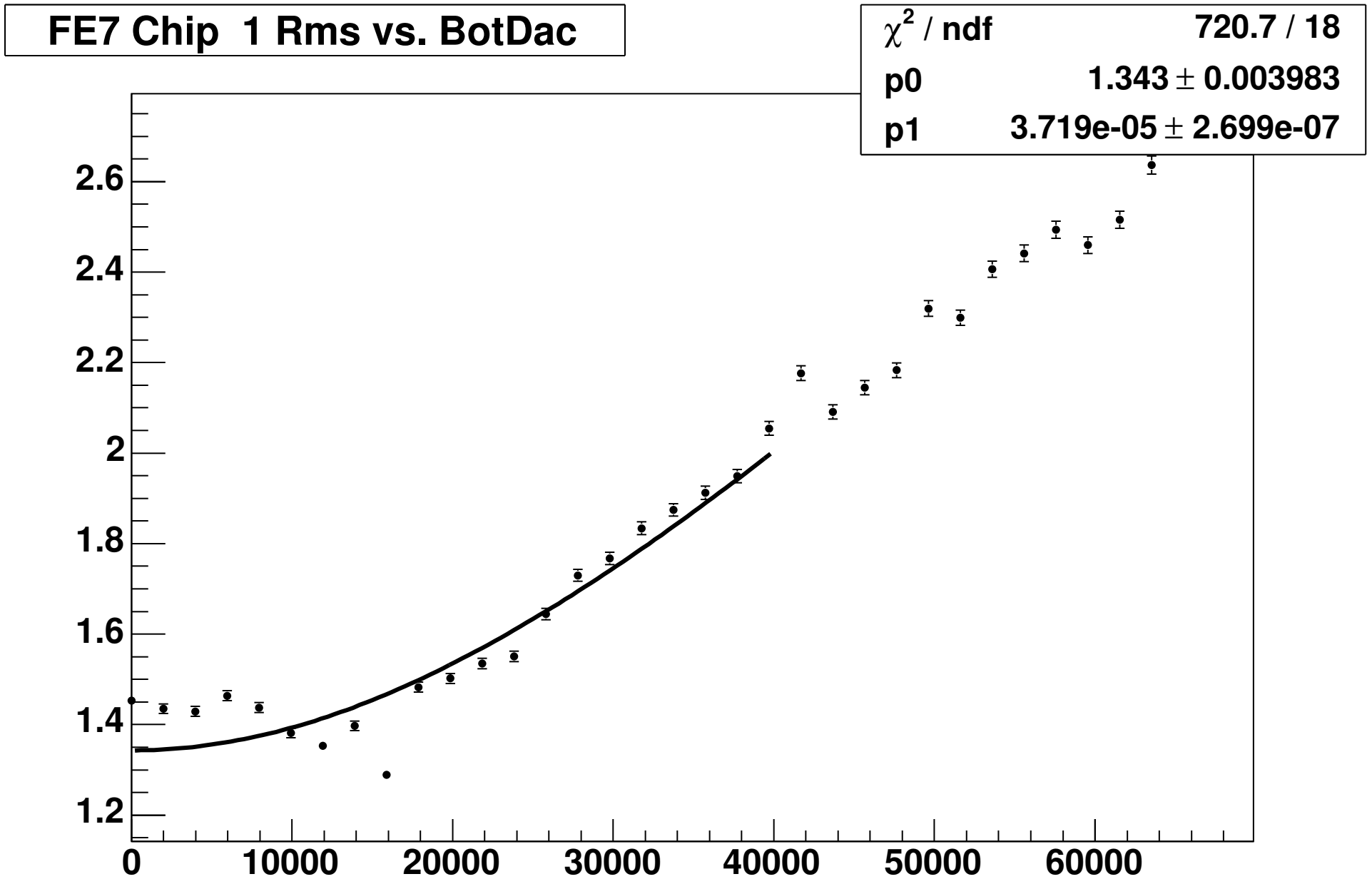
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 720.7 / 18
p0 1.343 ± 0.003983
p1 3.719e-05 ± 2.699e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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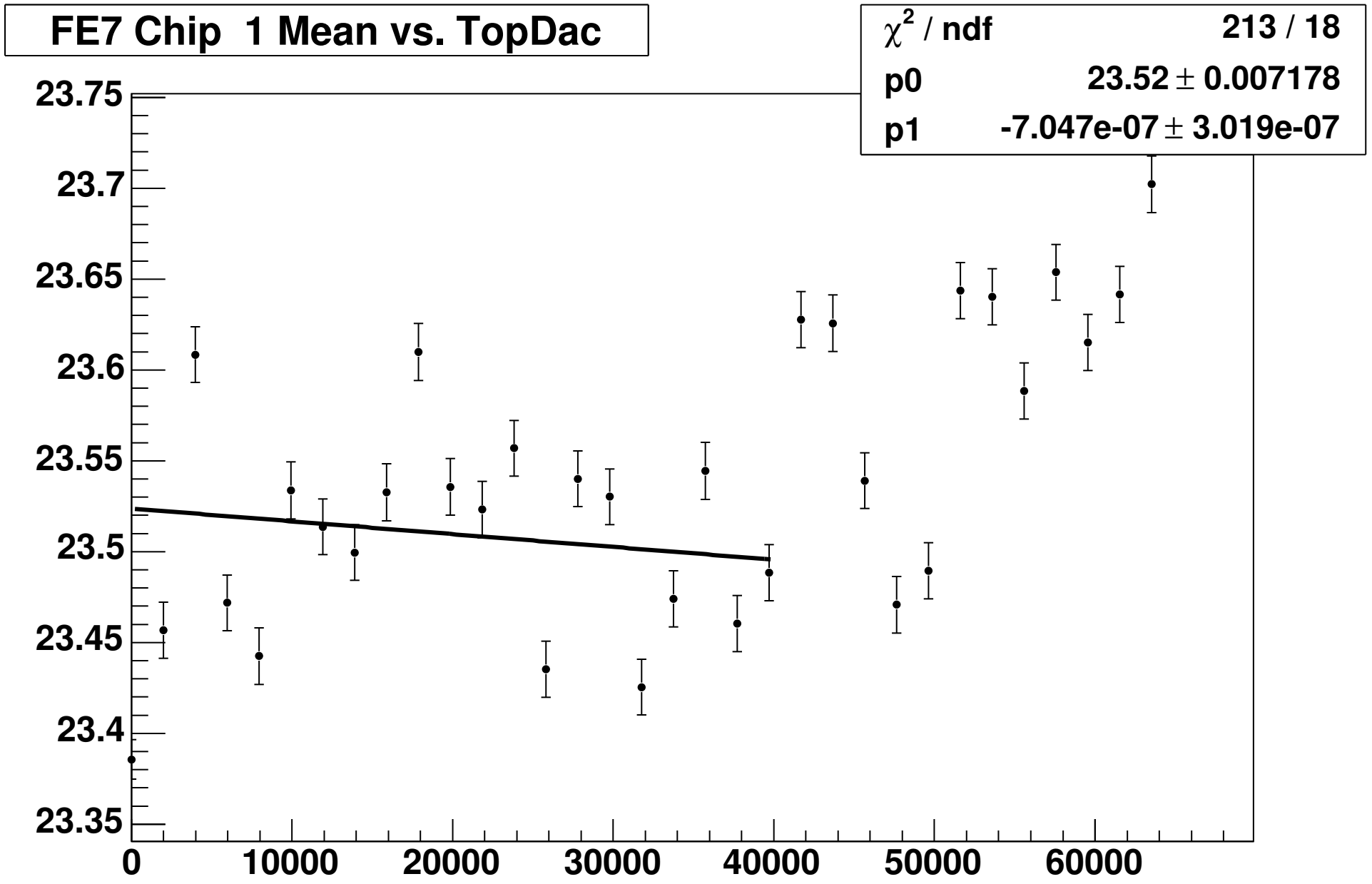
FE7 Chip 1 Mean vs. TopDac
χ² / ndf 213 / 18
p0 23.52 ± 0.007178
p1 -7.047e-07 ± 3.019e-07
23.75
23.7
23.65
23.6
23.55
23.5
23.45
23.4
23.35
0
10000
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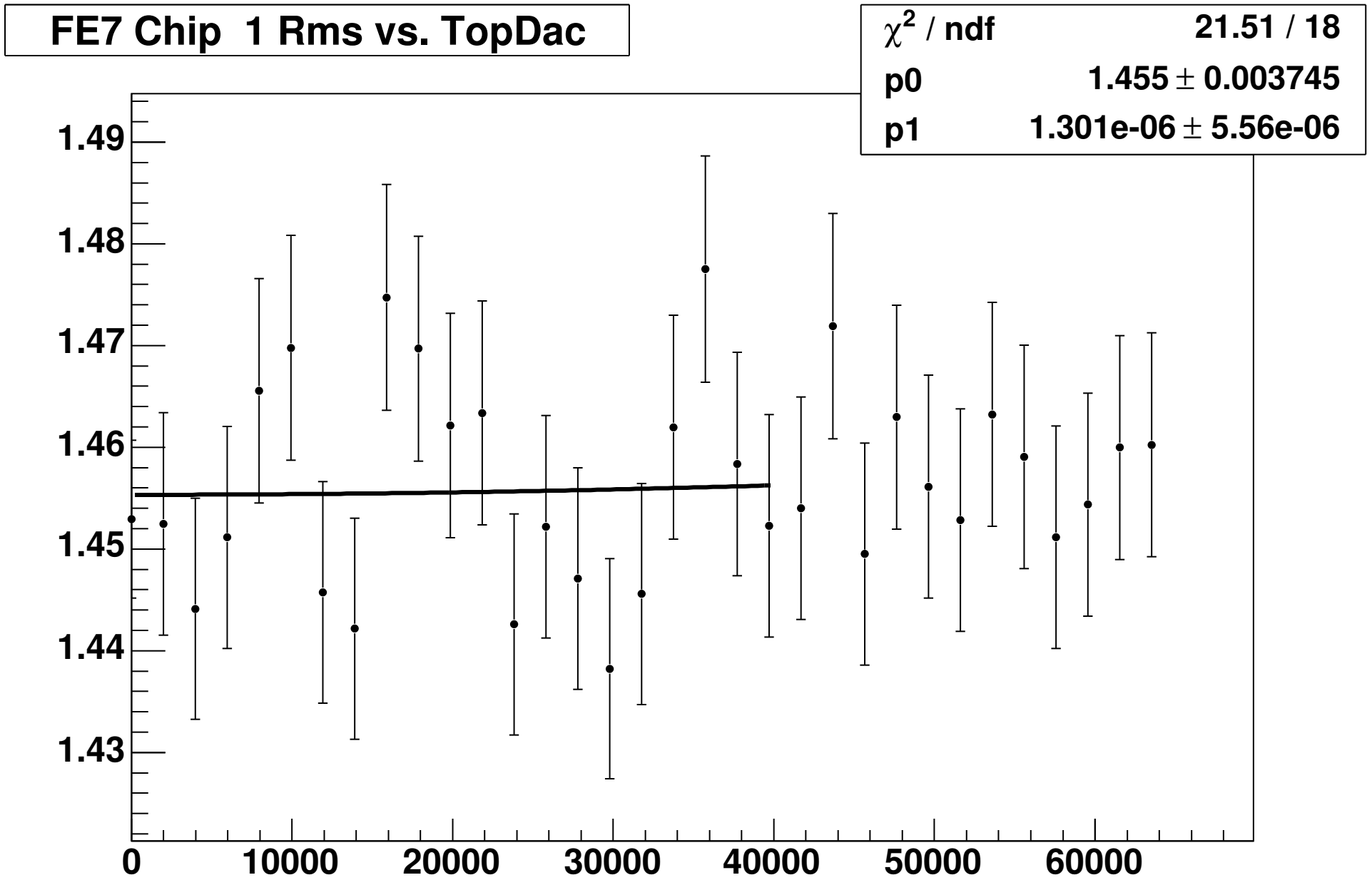
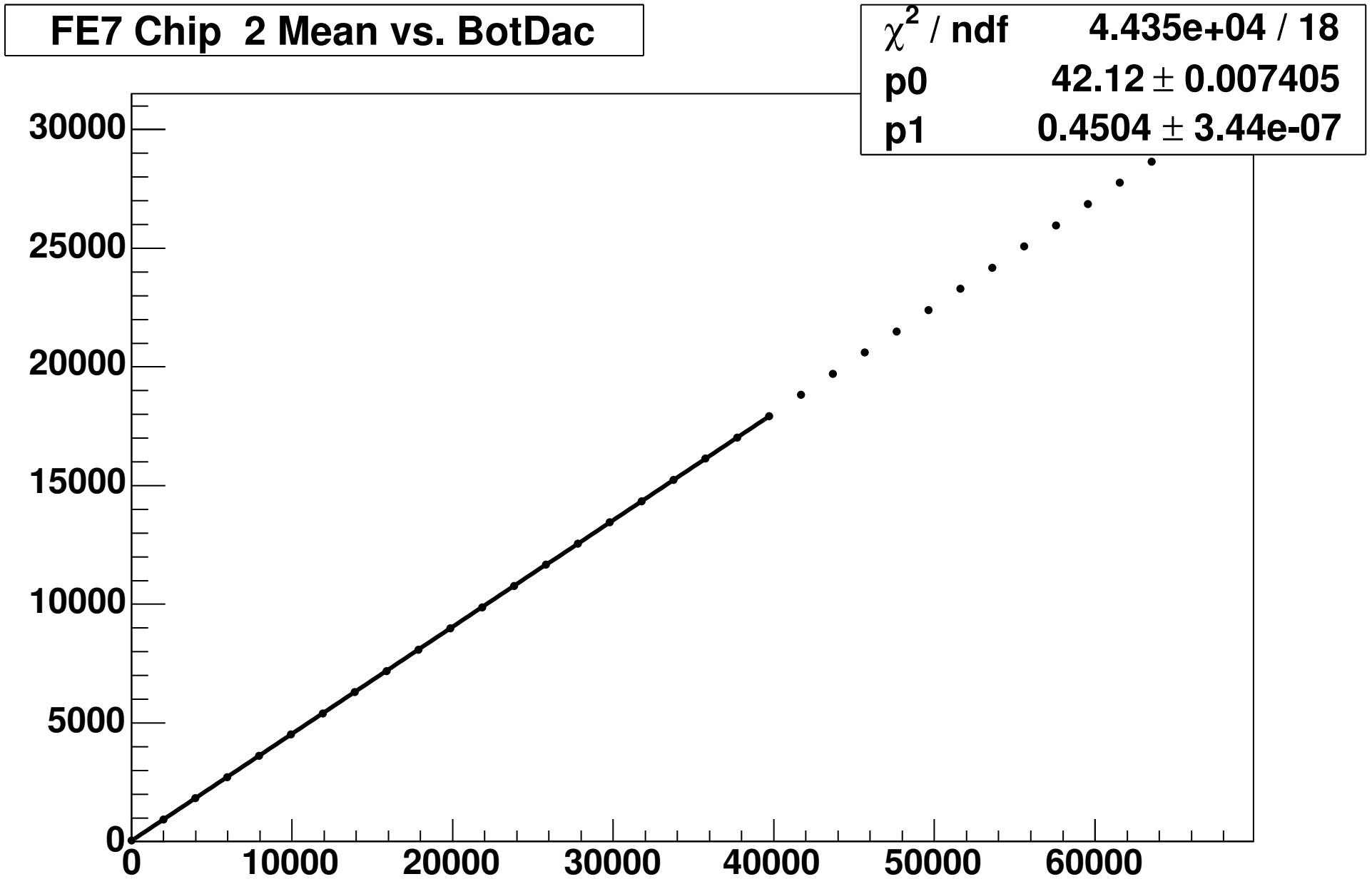

FE7 Chip 1 Rms vs. TopDac
χ^2 / ndf 21.51 / 18
p0 1.455 ± 0.003745
p1 1.301e-06 ± 5.56e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 4.435e+04 / 18
p0 42.12 ± 0.007405
p1 0.4504 ± 3.44e-07
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20000
15000
10000
5000
0
0
10000
20000
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40000
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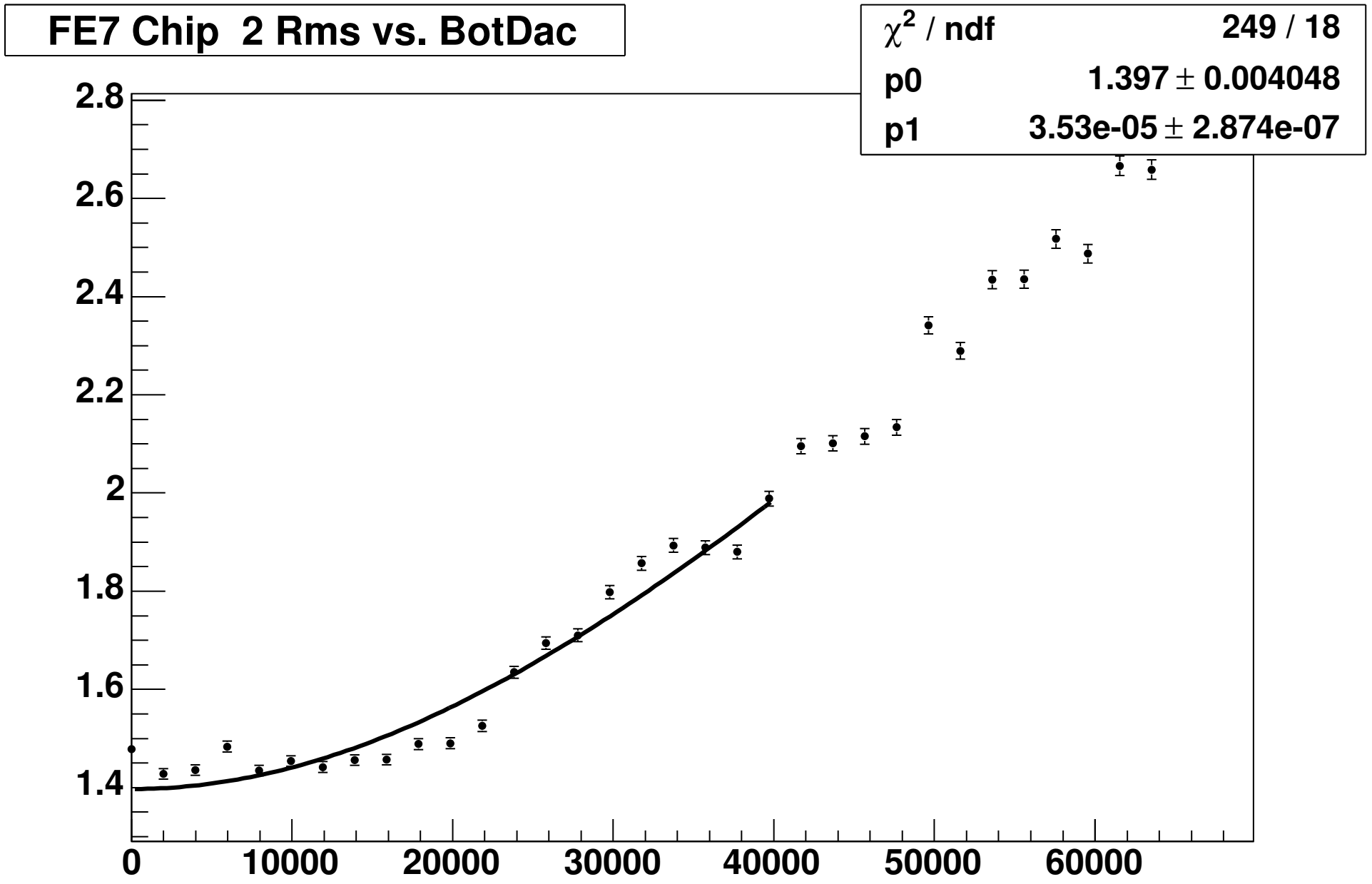
FE7 Chip 2 Rms vs. BotDac
χ² / ndf 249 / 18
p0 1.397 ± 0.004048
p1 3.53e-05 ± 2.874e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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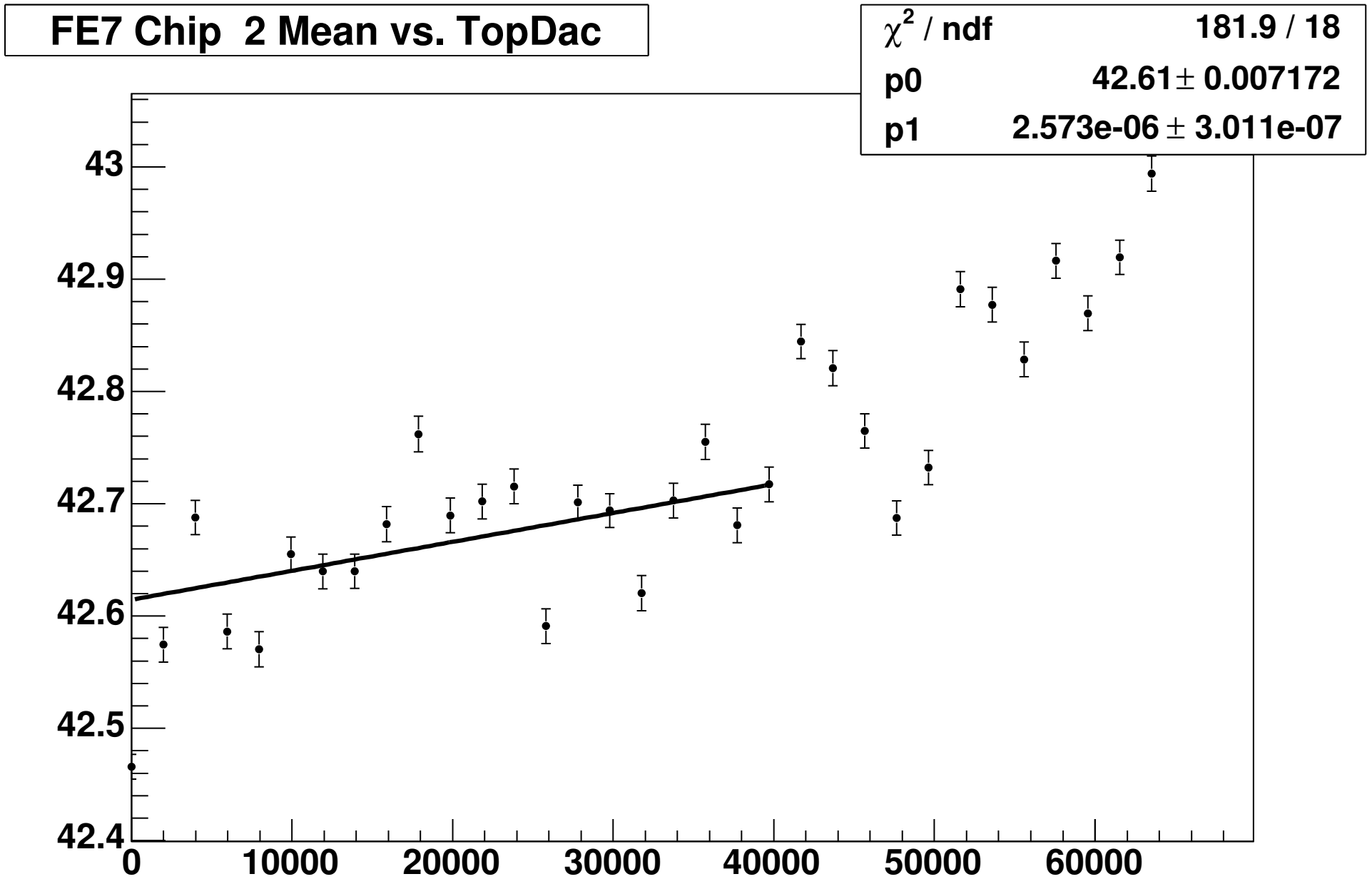
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 181.9 / 18
p0 42.61 ± 0.007172
p1 2.573e-06 ± 3.011e-07
43
42.9
42.8
42.7
42.6
42.5
42.4
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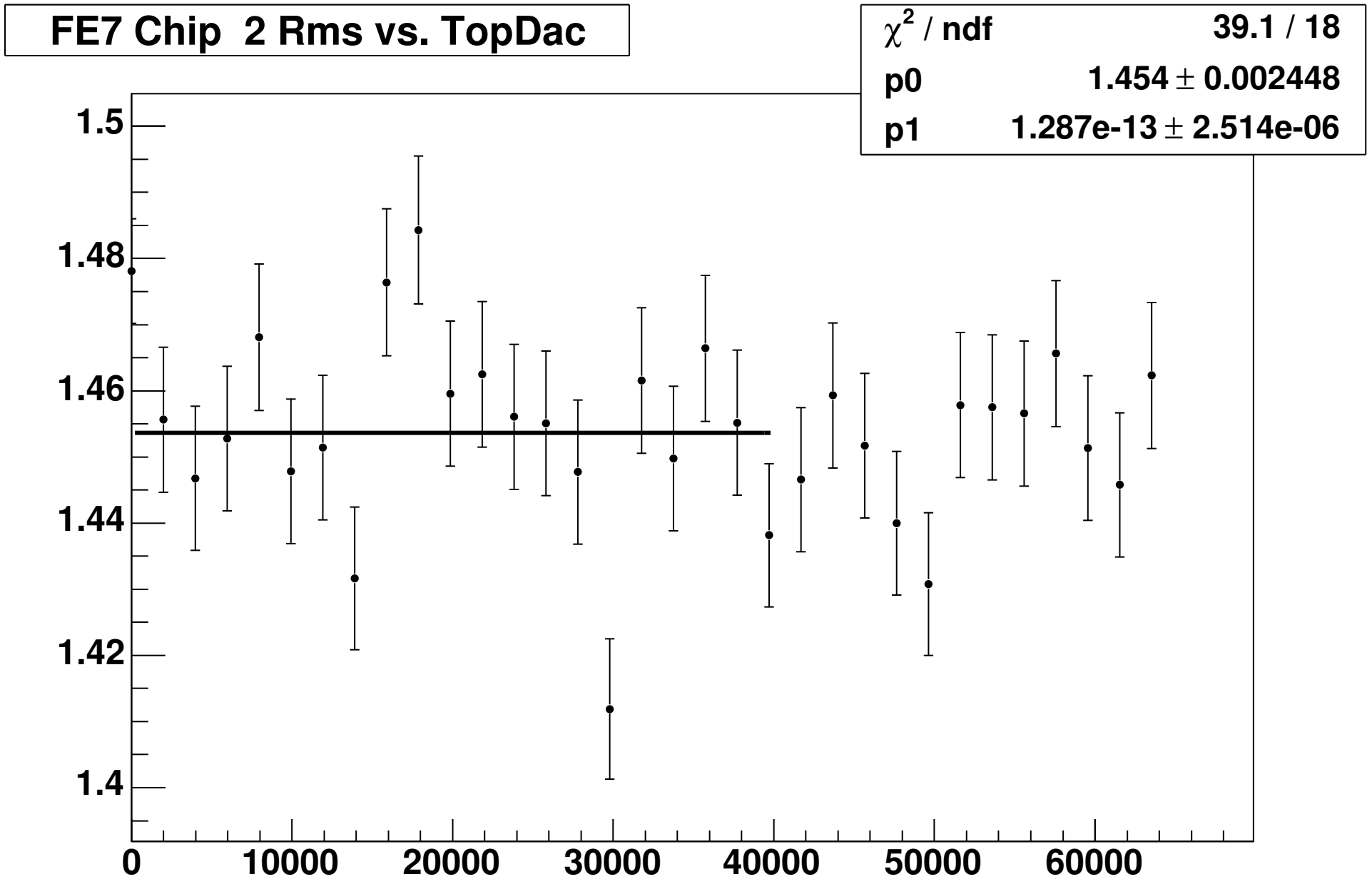
FE7 Chip 2 Rms vs. TopDac
χ^2 / ndf 39.1 / 18
p0 1.454 ± 0.002448
p1 1.287e-13 ± 2.514e-06
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1.48
1.46
1.44
1.42
1.4
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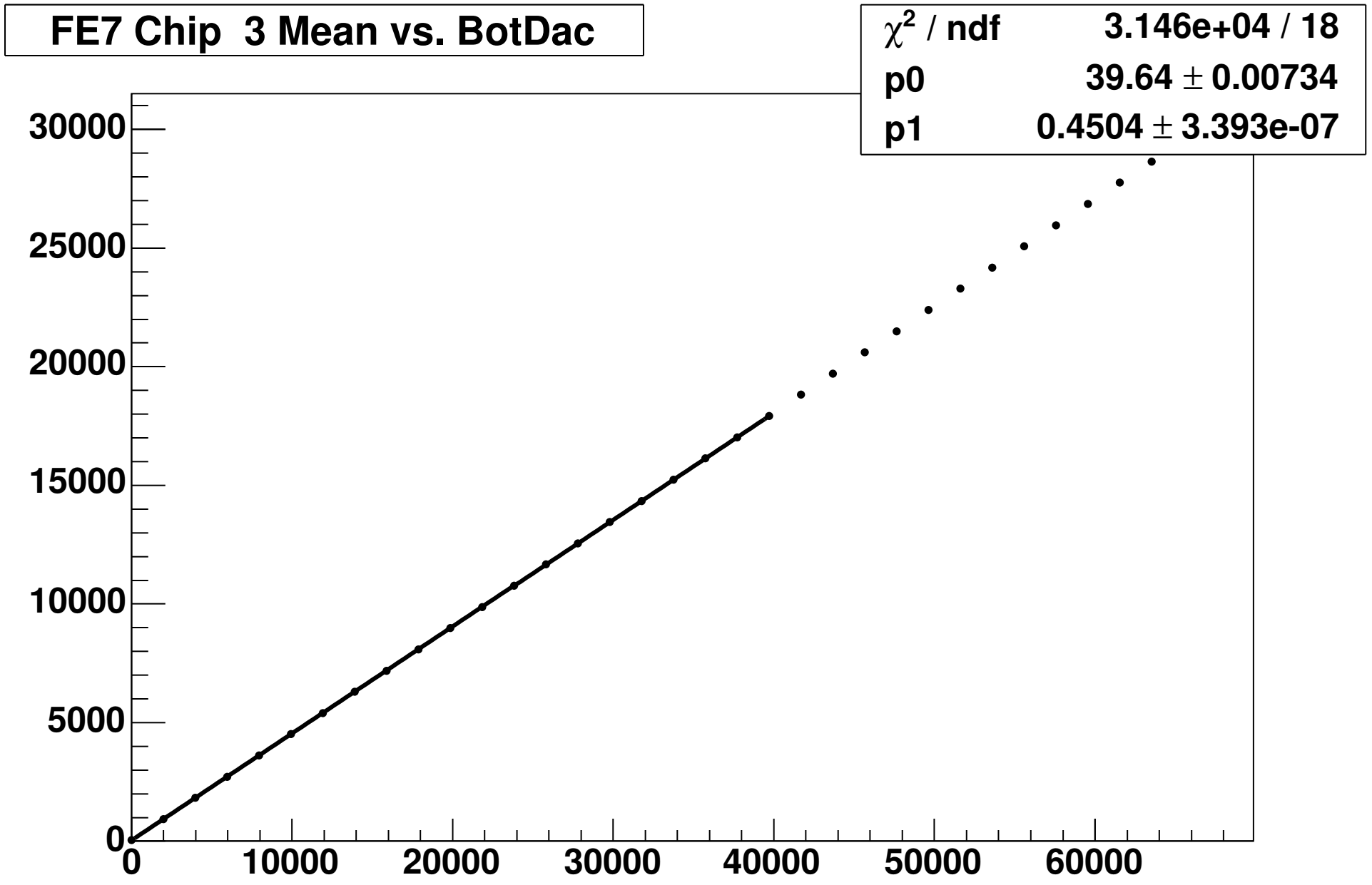
FE7 Chip 3 Mean vs. BotDac
χ² / ndf 3.146e+04 / 18
p0 39.64 ± 0.00734
p1 0.4504 ± 3.393e-07
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0
0
10000
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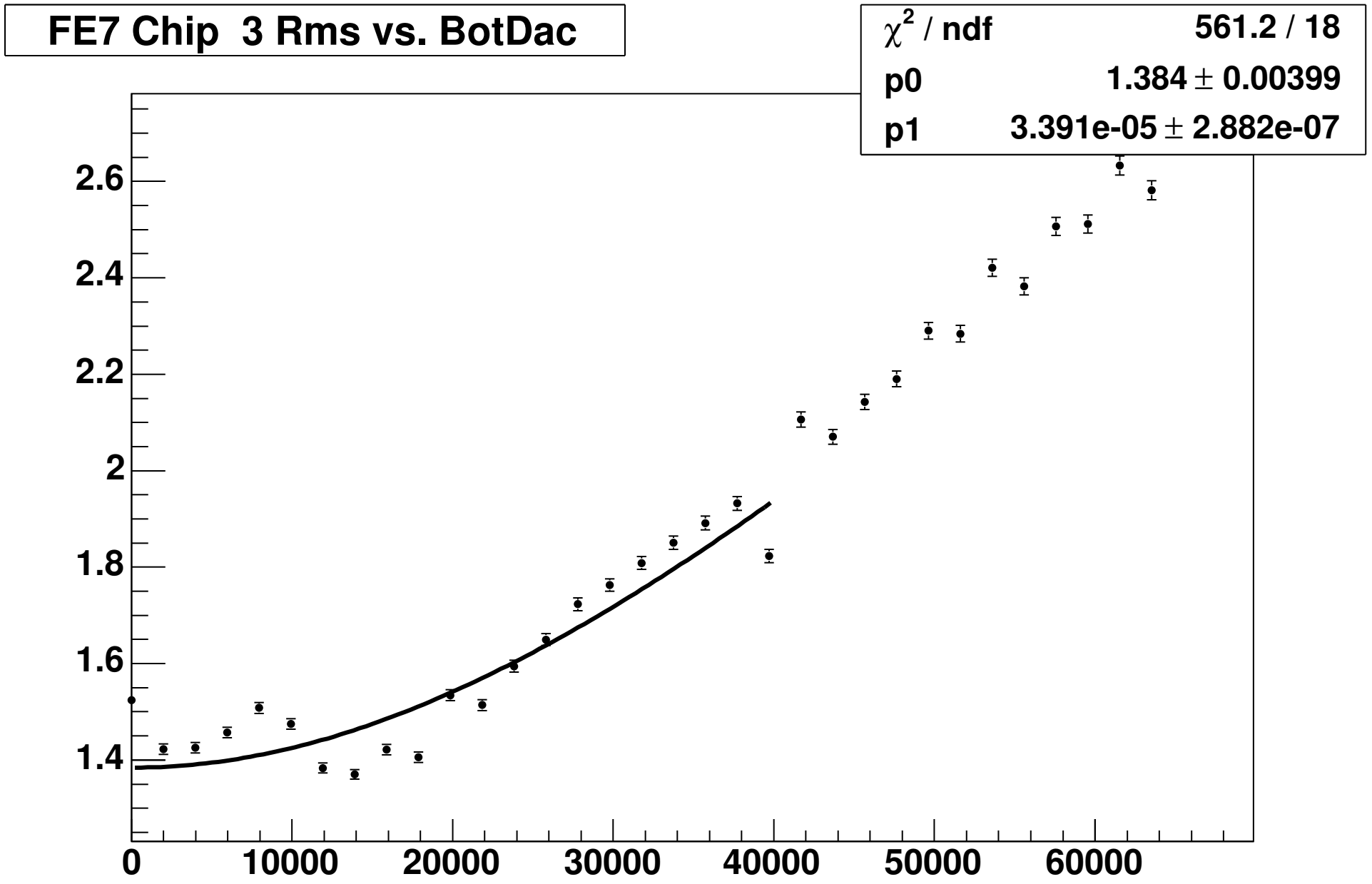
60000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 561.2 / 18
p0 1.384 ± 0.00399
p1 3.391e-05 ± 2.882e-07
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2.4
2.2
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1.8
1.6
1.4
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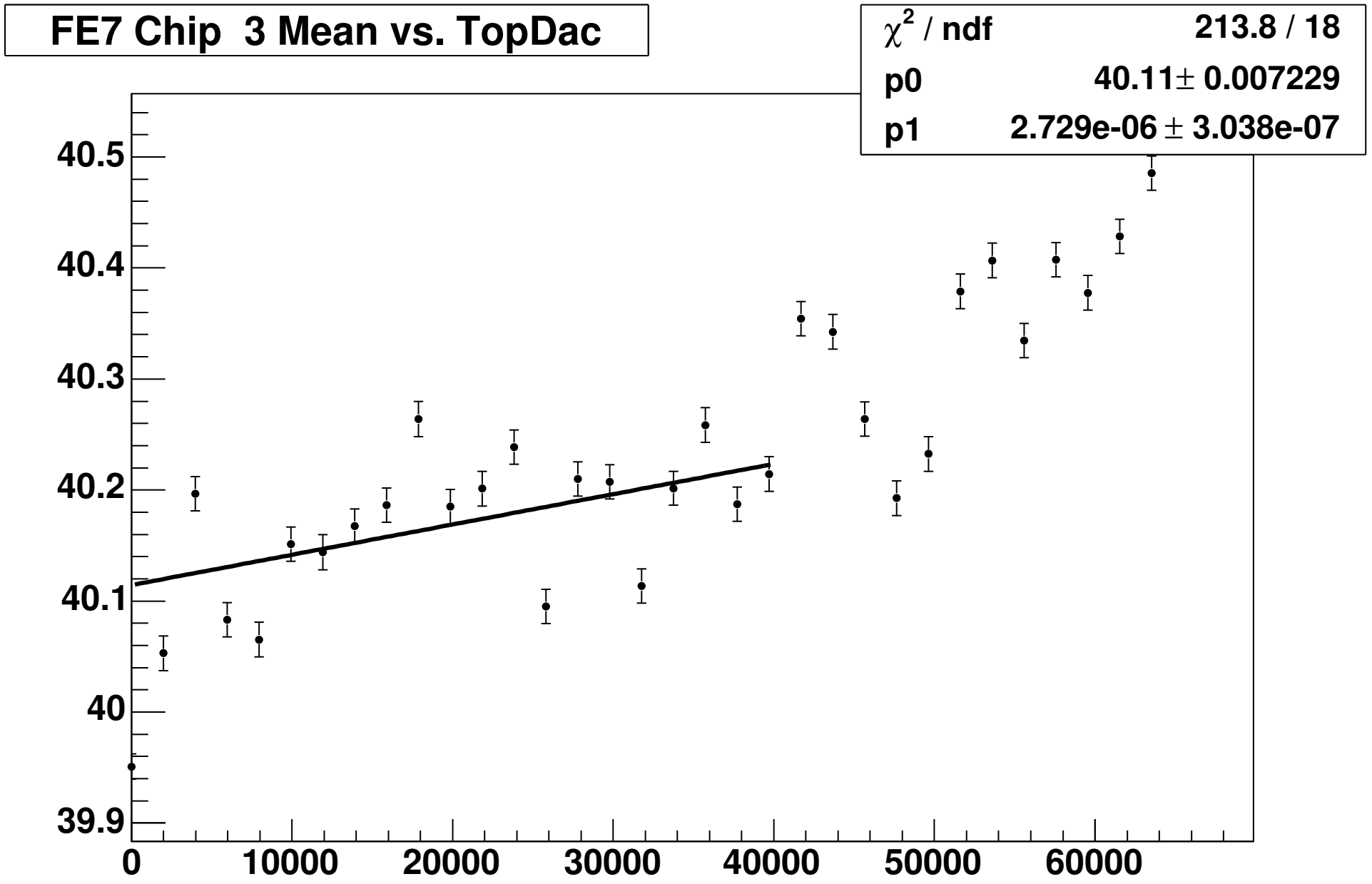
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 213.8 / 18
p0 40.11 ± 0.007229
p1 2.729e-06 ± 3.038e-07
40.5
40.4
40.3
40.2
40.1
40
39.9
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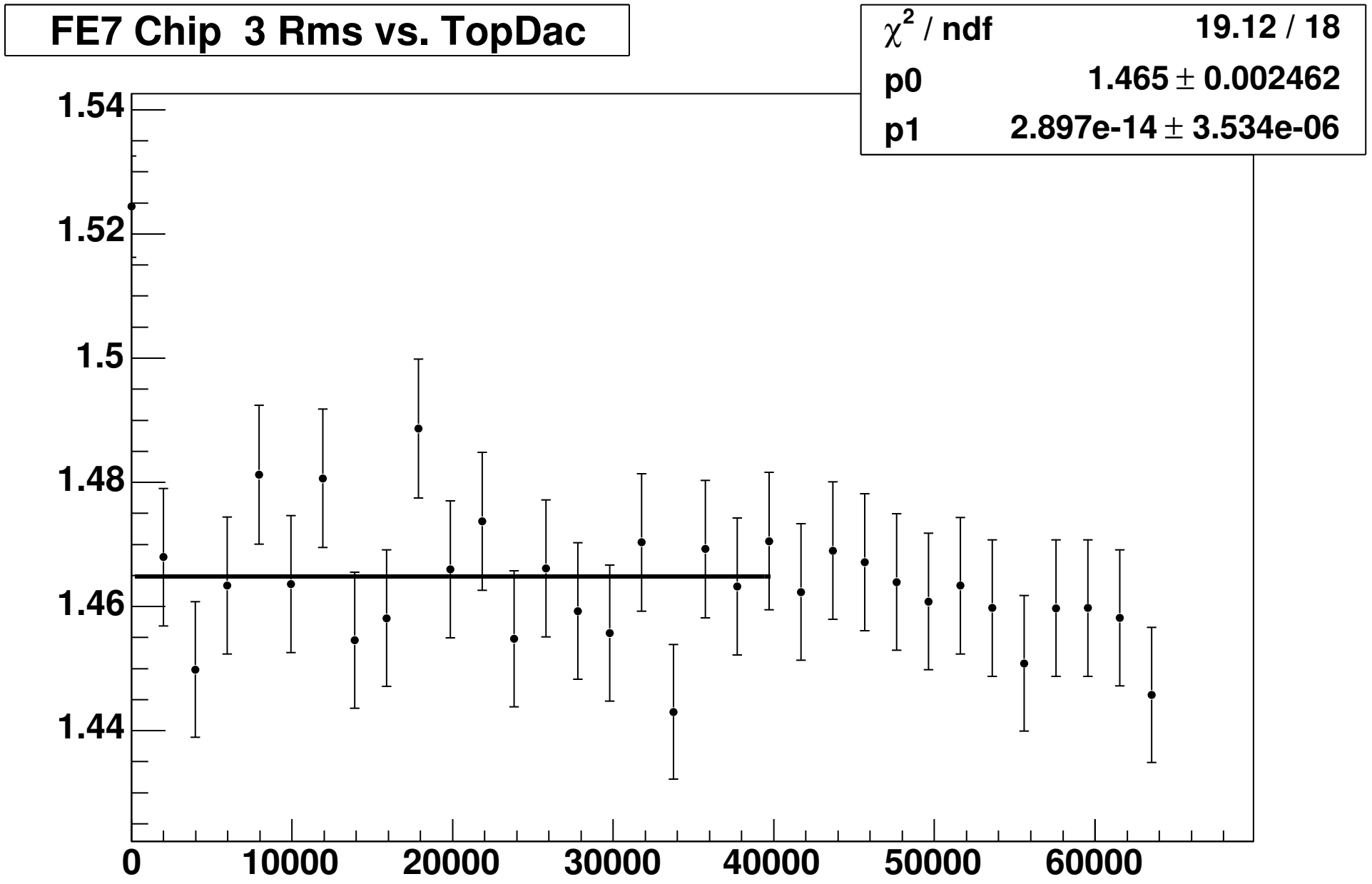
FE7 Chip 3 Rms vs. TopDac
χ² / ndf 19.12 / 18
p0 1.465 ± 0.002462
p1 2.897e-14 ± 3.534e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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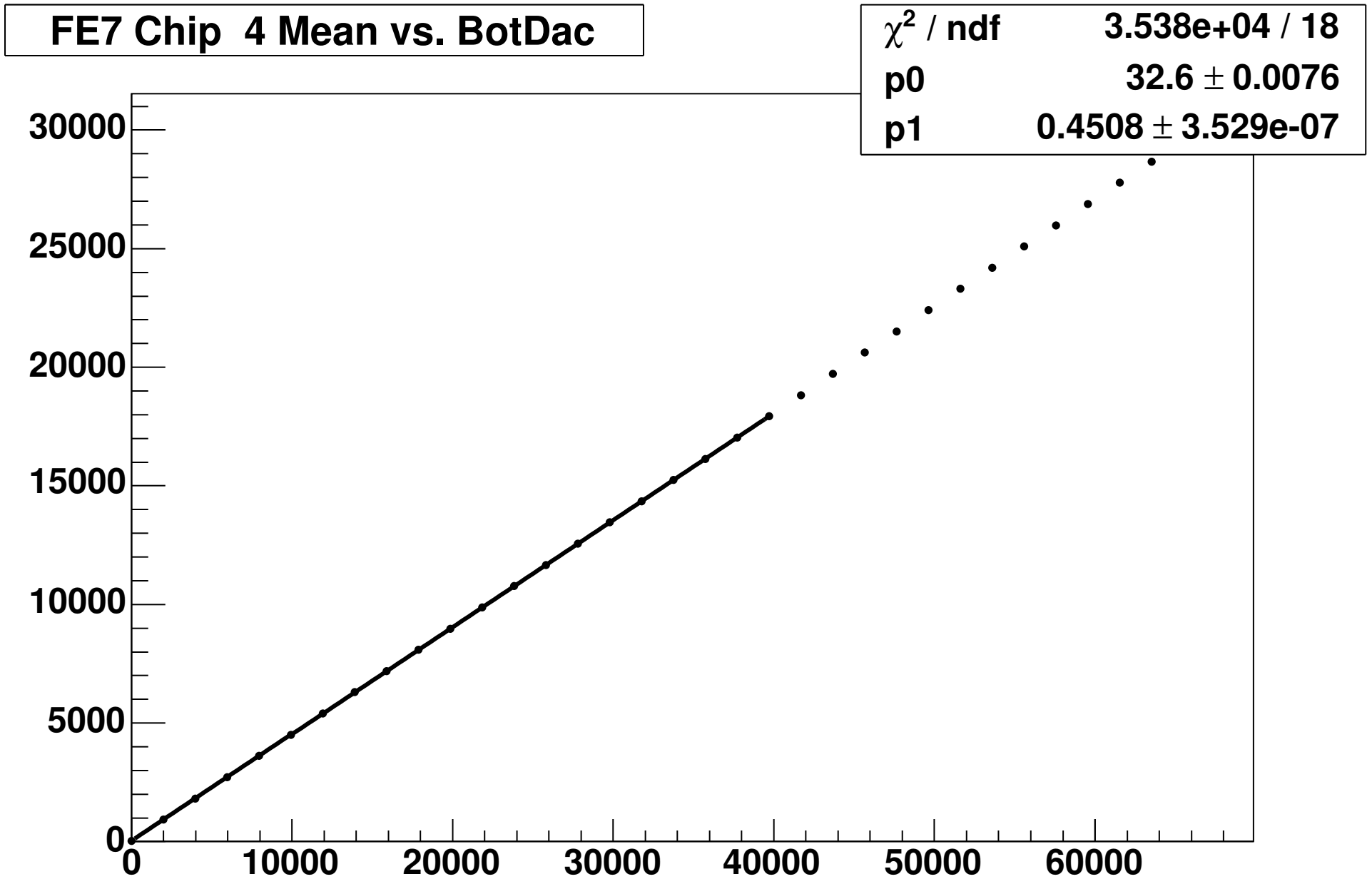
FE7 Chip 4 Mean vs. BotDac
χ² / ndf 3.538e+04 / 18
p0 32.6 ± 0.0076
p1 0.4508 ± 3.529e-07
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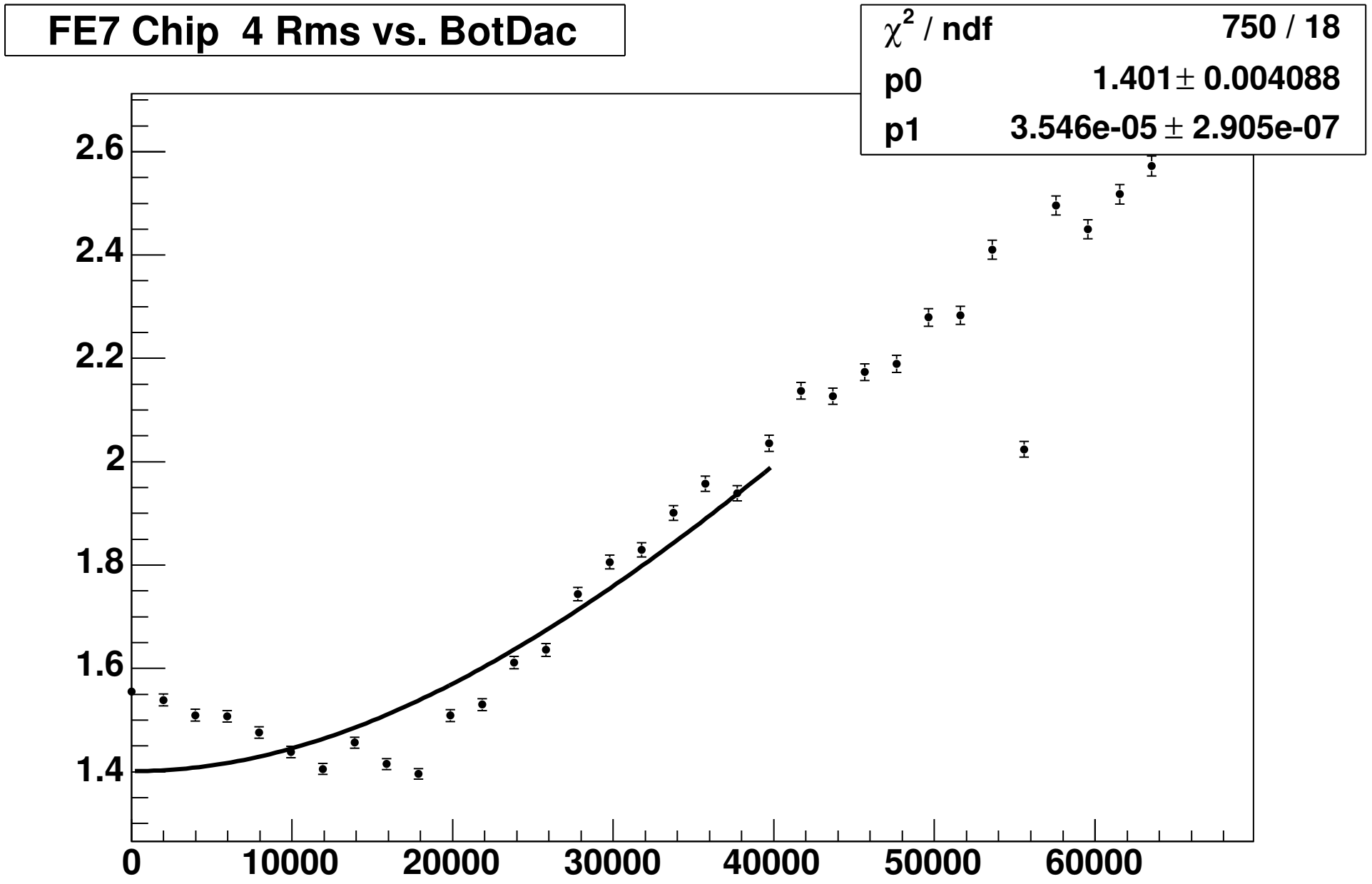
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 750 / 18
p0 1.401 ± 0.004088
p1 3.546e-05 ± 2.905e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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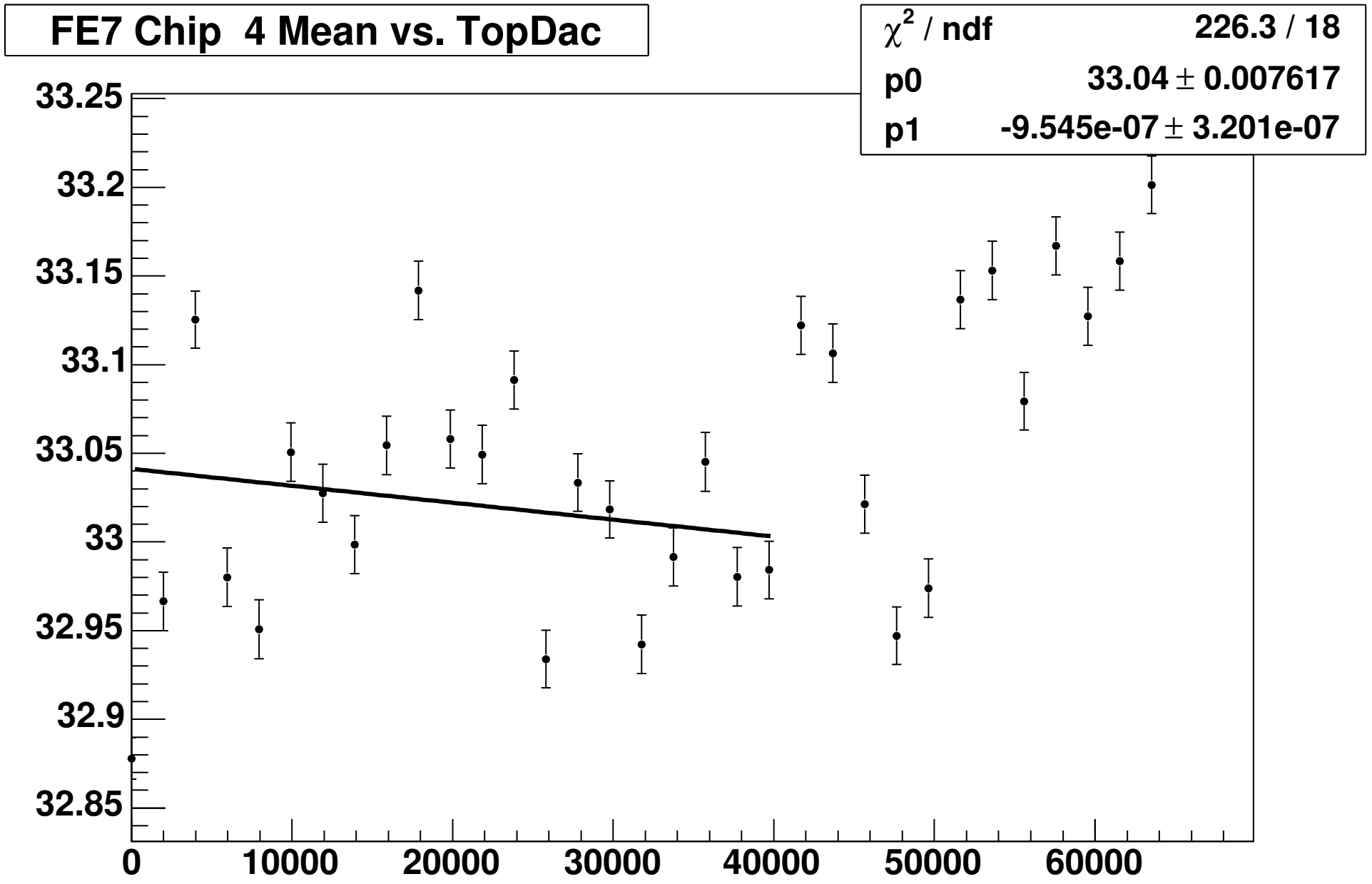
40000
50000
60000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 226.3 / 18
p0 33.04 ± 0.007617
p1 -9.545e-07 ± 3.201e-07
33.25
33.2
33.15
33.1
33.05
33
32.95
32.9
32.85
0
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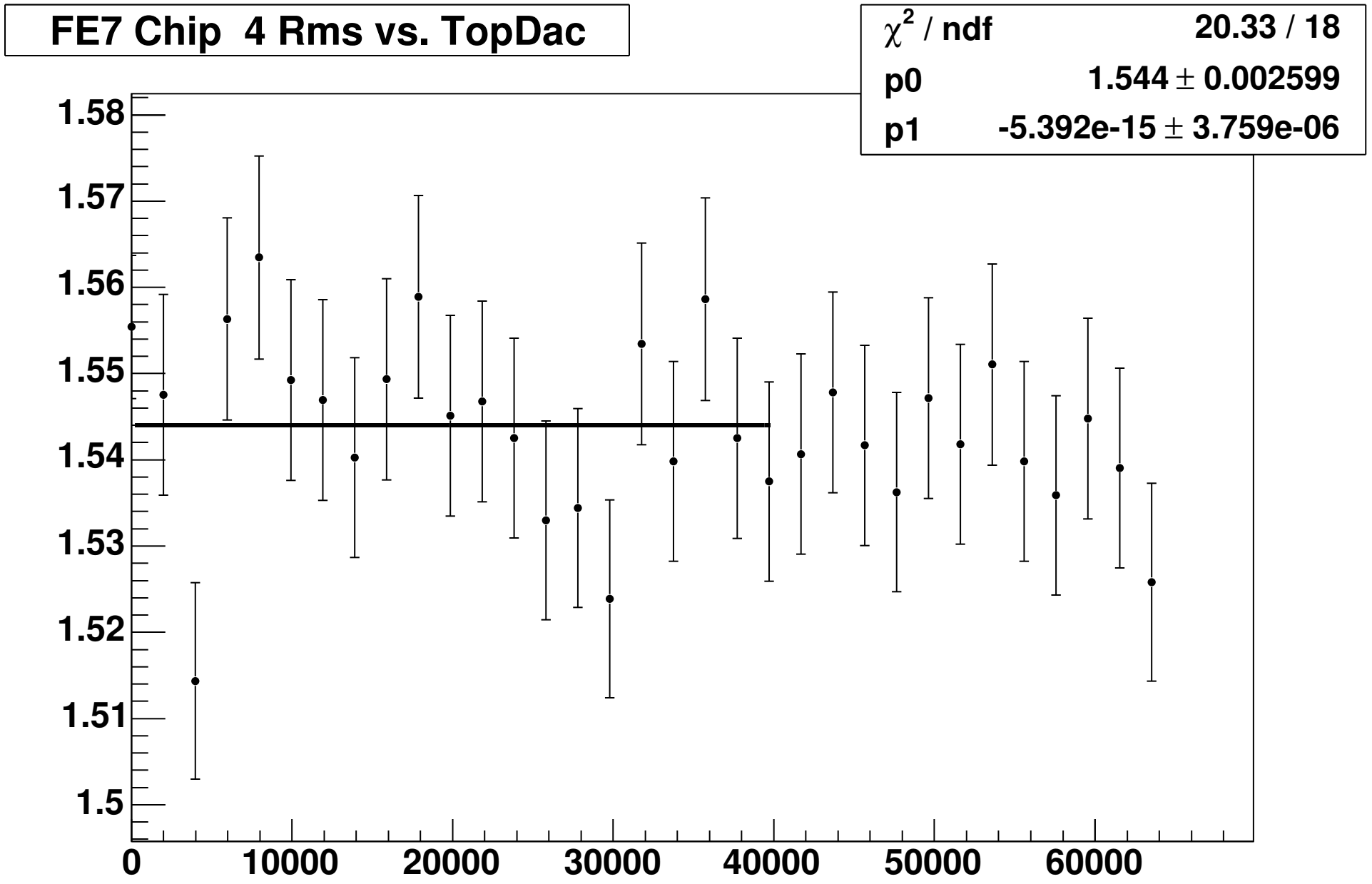
FE7 Chip 4 Rms vs. TopDac
χ² / ndf 20.33 / 18
p0 1.544 ± 0.002599
p1 -5.392e-15 ± 3.759e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
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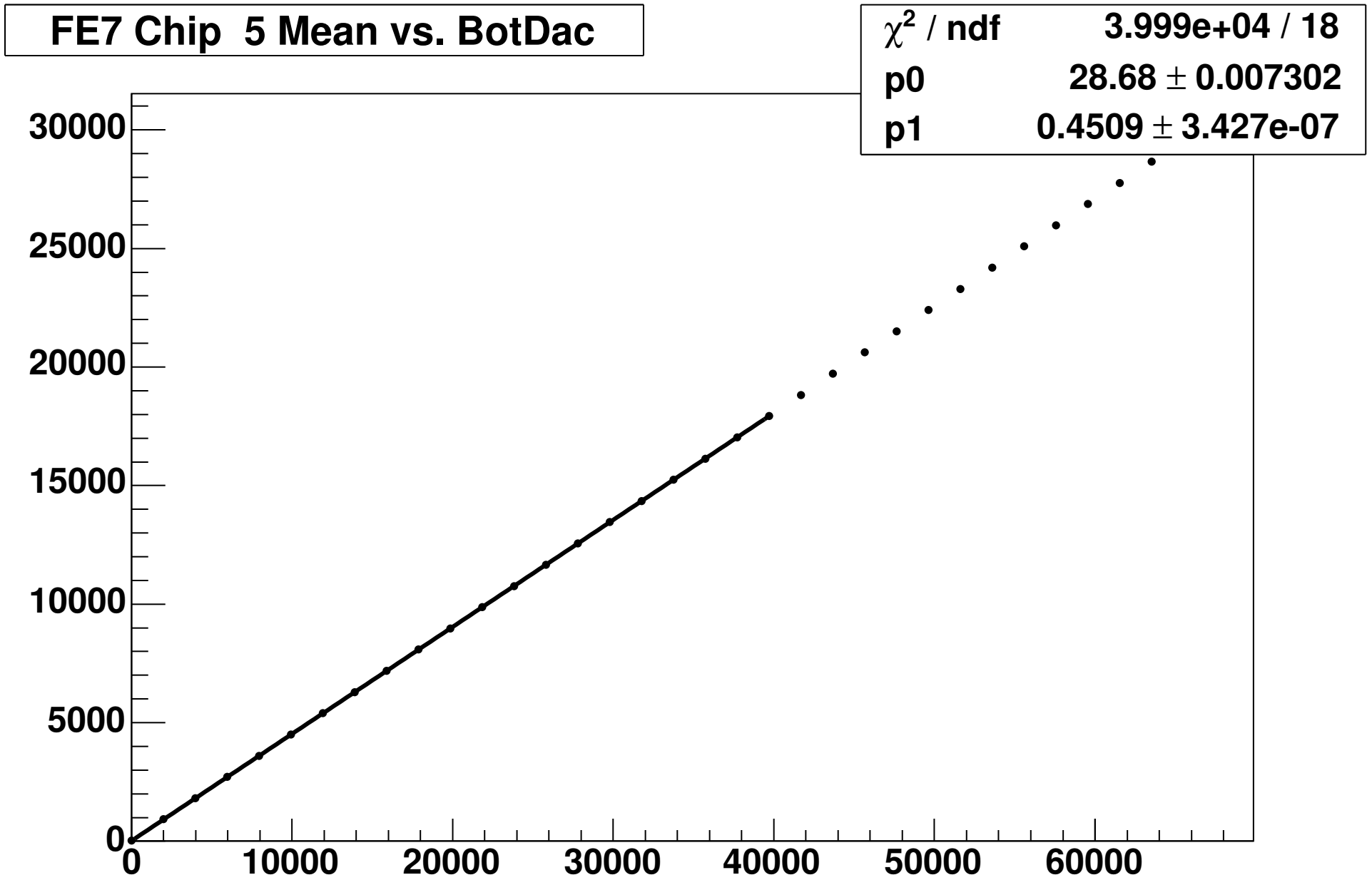
50000
60000


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.999e+04 / 18
p0 28.68 ± 0.007302
p1 0.4509 ± 3.427e-07
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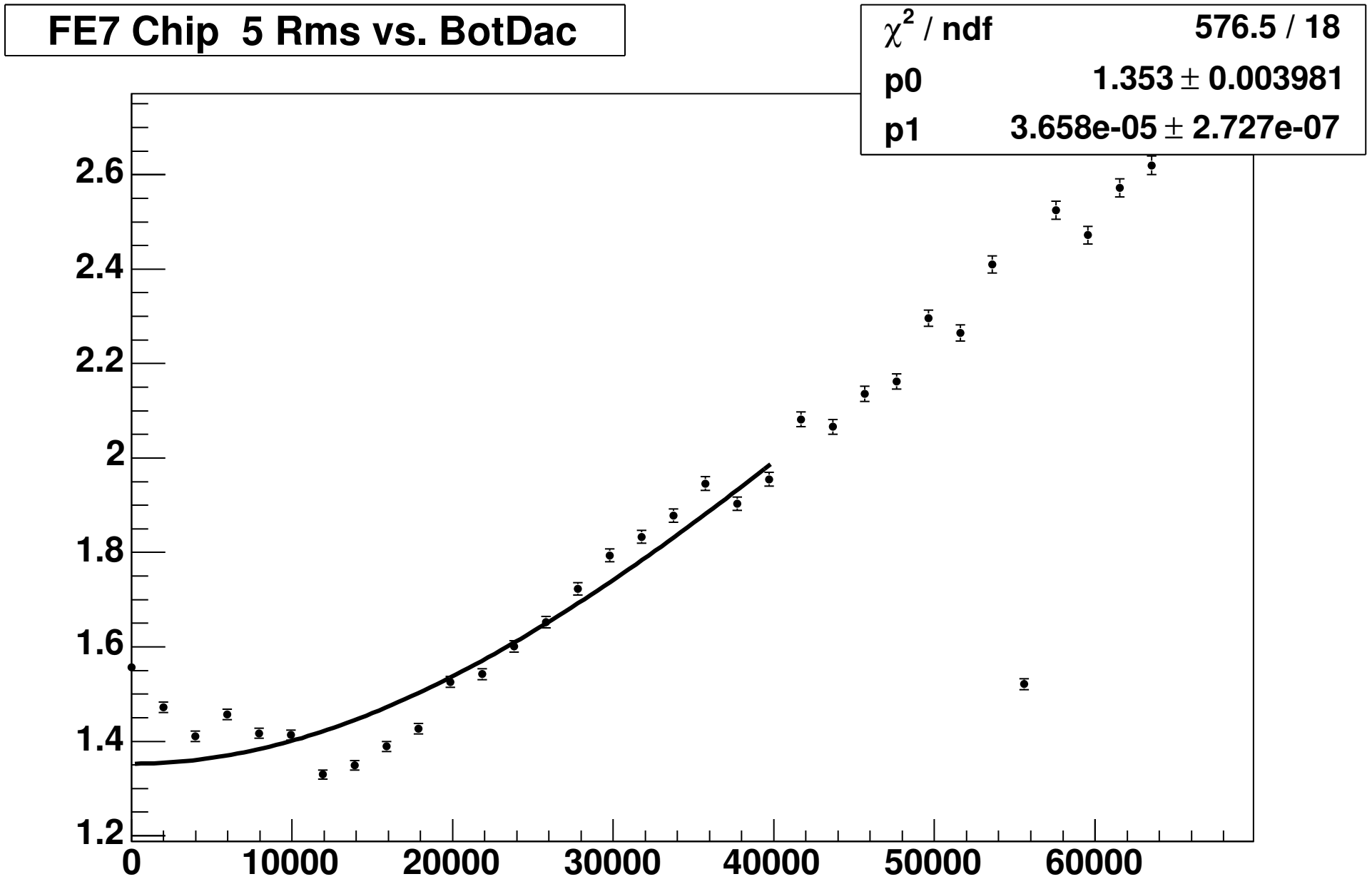
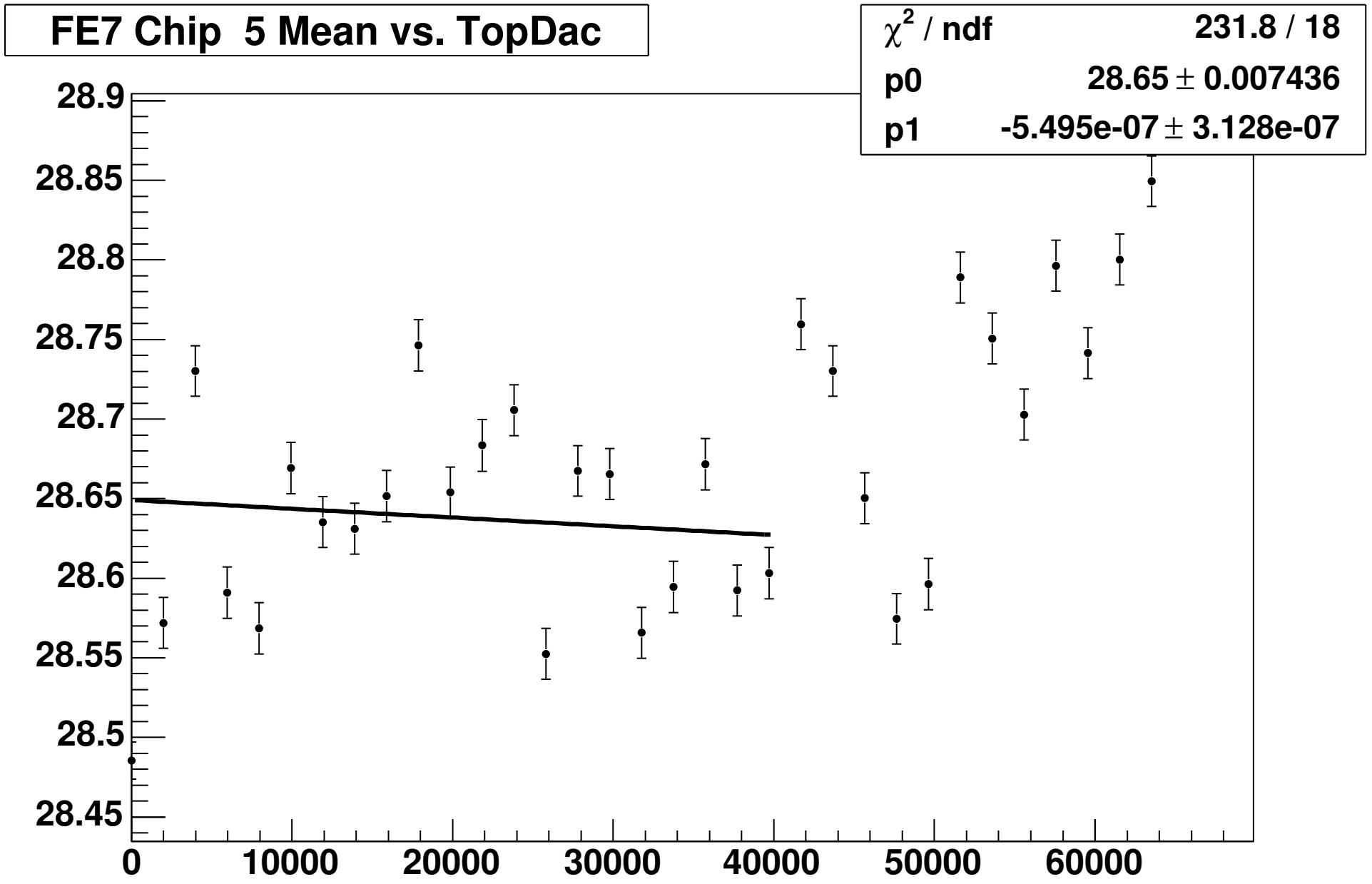
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 576.5 / 18
p0 1.353 ± 0.003981
p1 3.658e-05 ± 2.727e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 231.8 / 18
p0 28.65 ± 0.007436
p1 -5.495e-07 ± 3.128e-07
28.9
28.85
28.8
28.75
28.7
28.65
28.6
28.55
28.5
28.45
0
10000
20000
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50000
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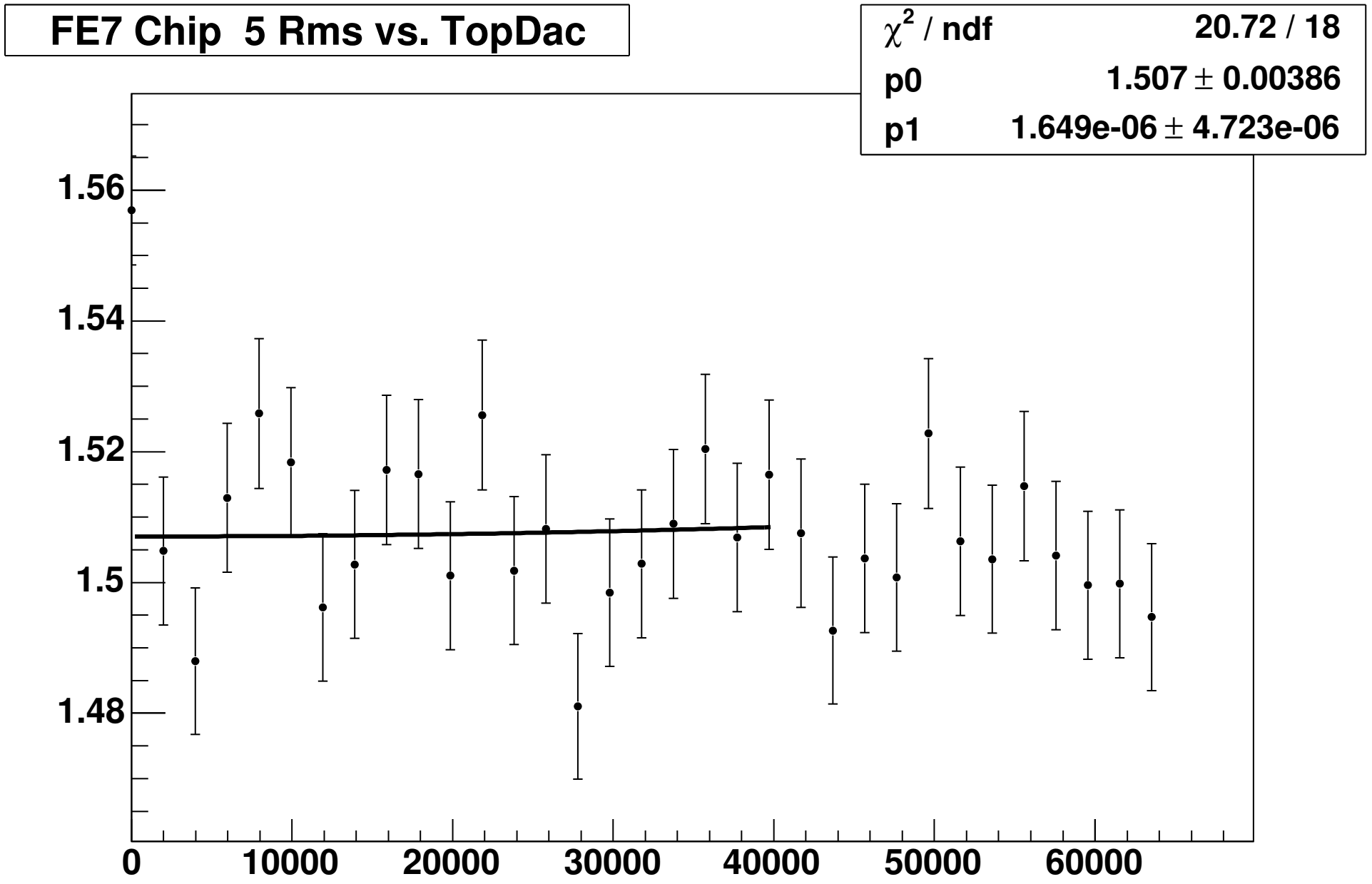
FE7 Chip 5 Rms vs. TopDac
χ² / ndf 20.72 / 18
p0 1.507 ± 0.00386
p1 1.649e-06 ± 4.723e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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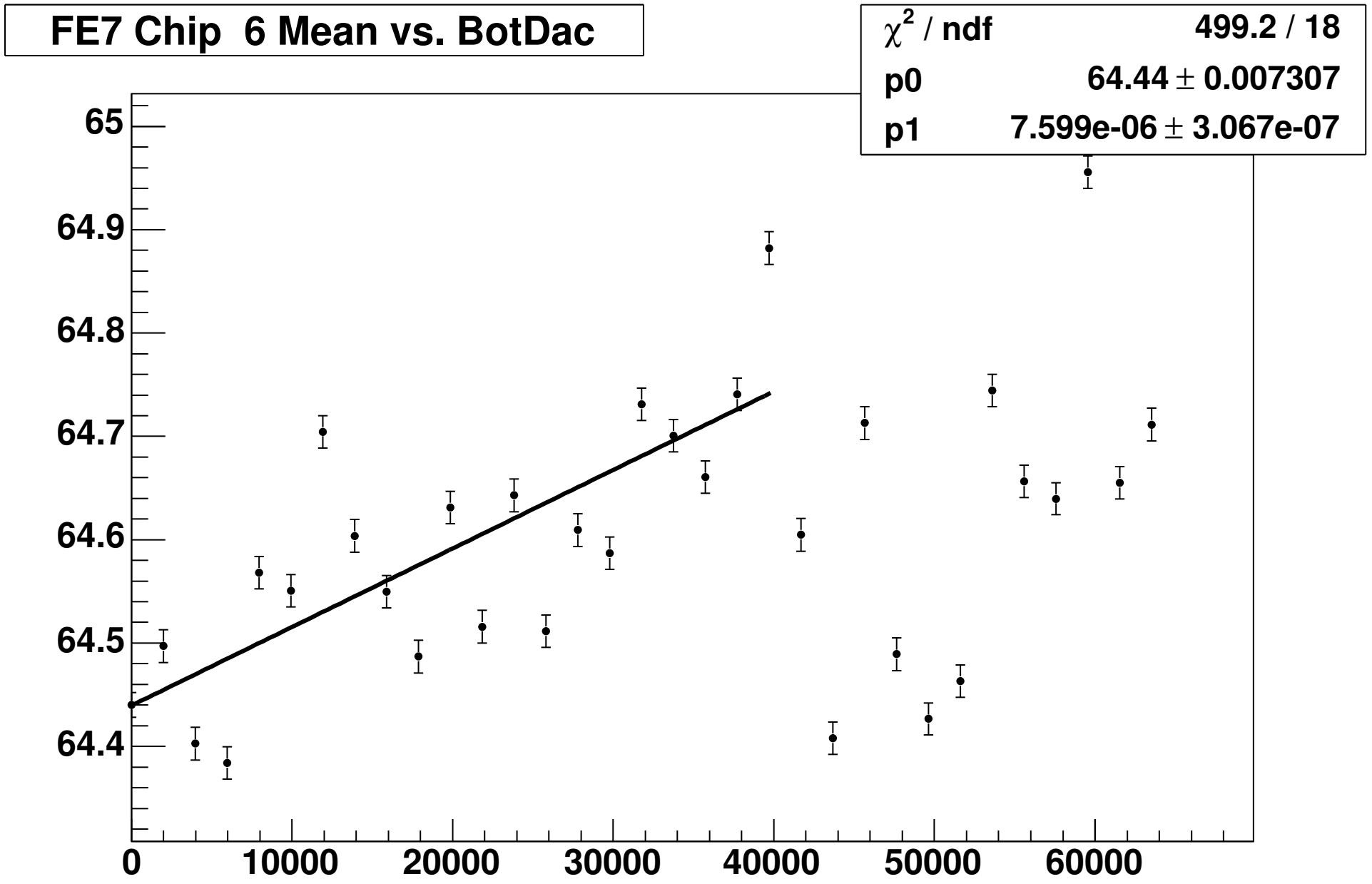
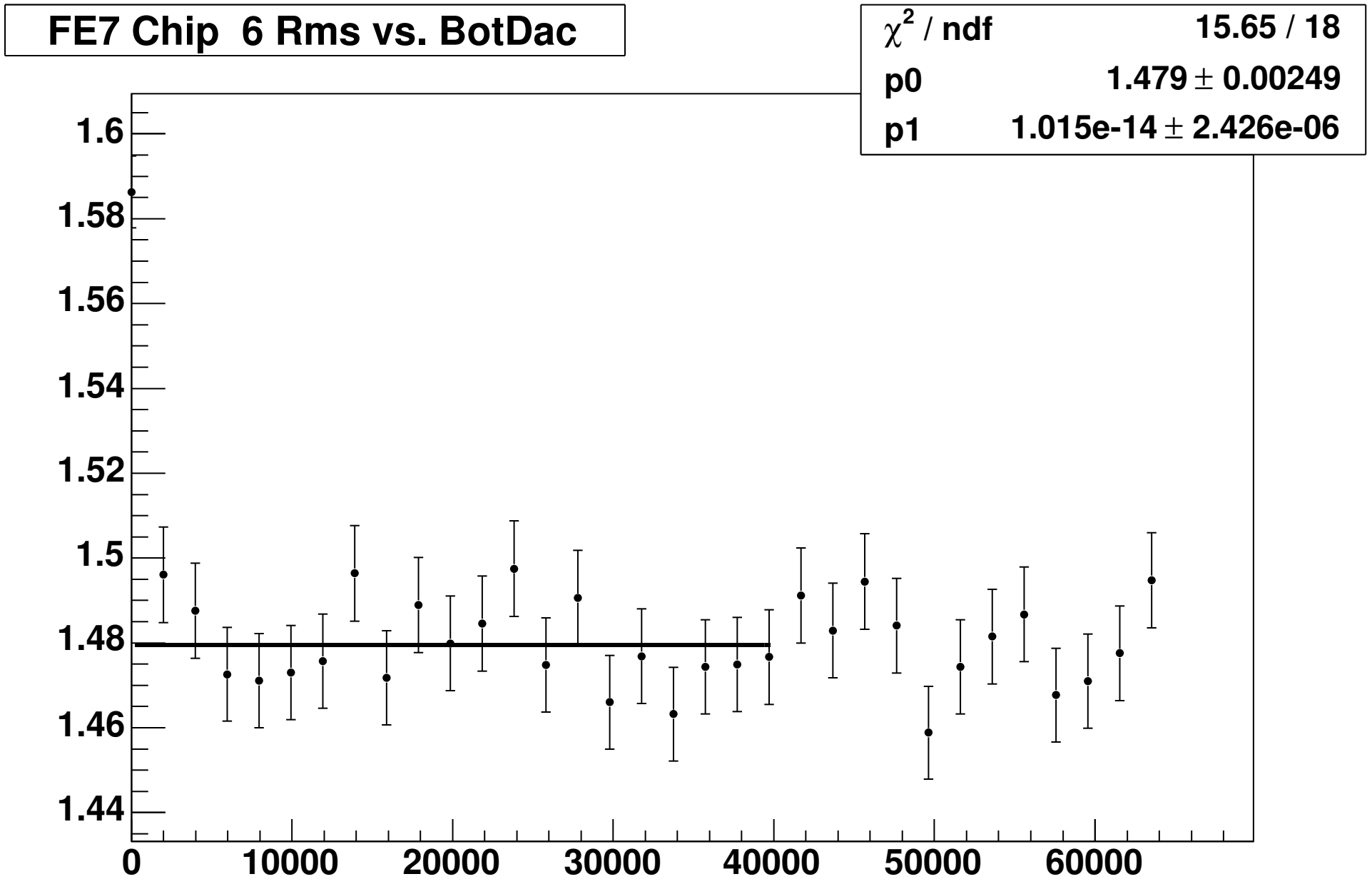
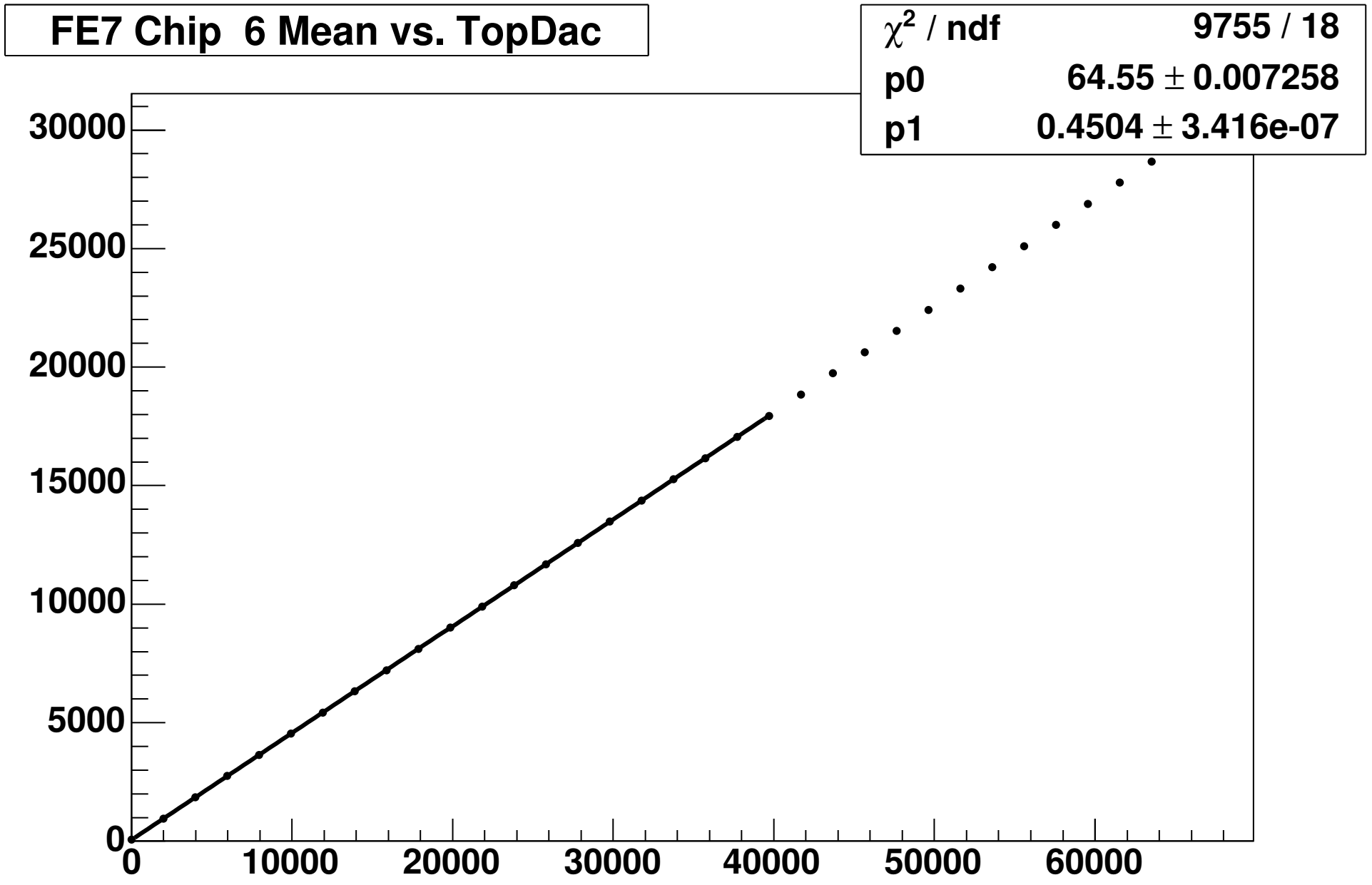
50000
60000


FE7 Chip 6 Mean vs. BotDac
χ² / ndf 499.2 / 18
p0 64.44 ± 0.007307
p1 7.599e-06 ± 3.067e-07
65
64.9
64.8
64.7
64.6
64.5
64.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 6 Rms vs. BotDac
χ² / ndf 15.65 / 18
p0 1.479 ± 0.00249
p1 1.015e-14 ± 2.426e-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


FE7 Chip 6 Mean vs. TopDac
χ² / ndf 9755 / 18
p0 64.55 ± 0.007258
p1 0.4504 ± 3.416e-07
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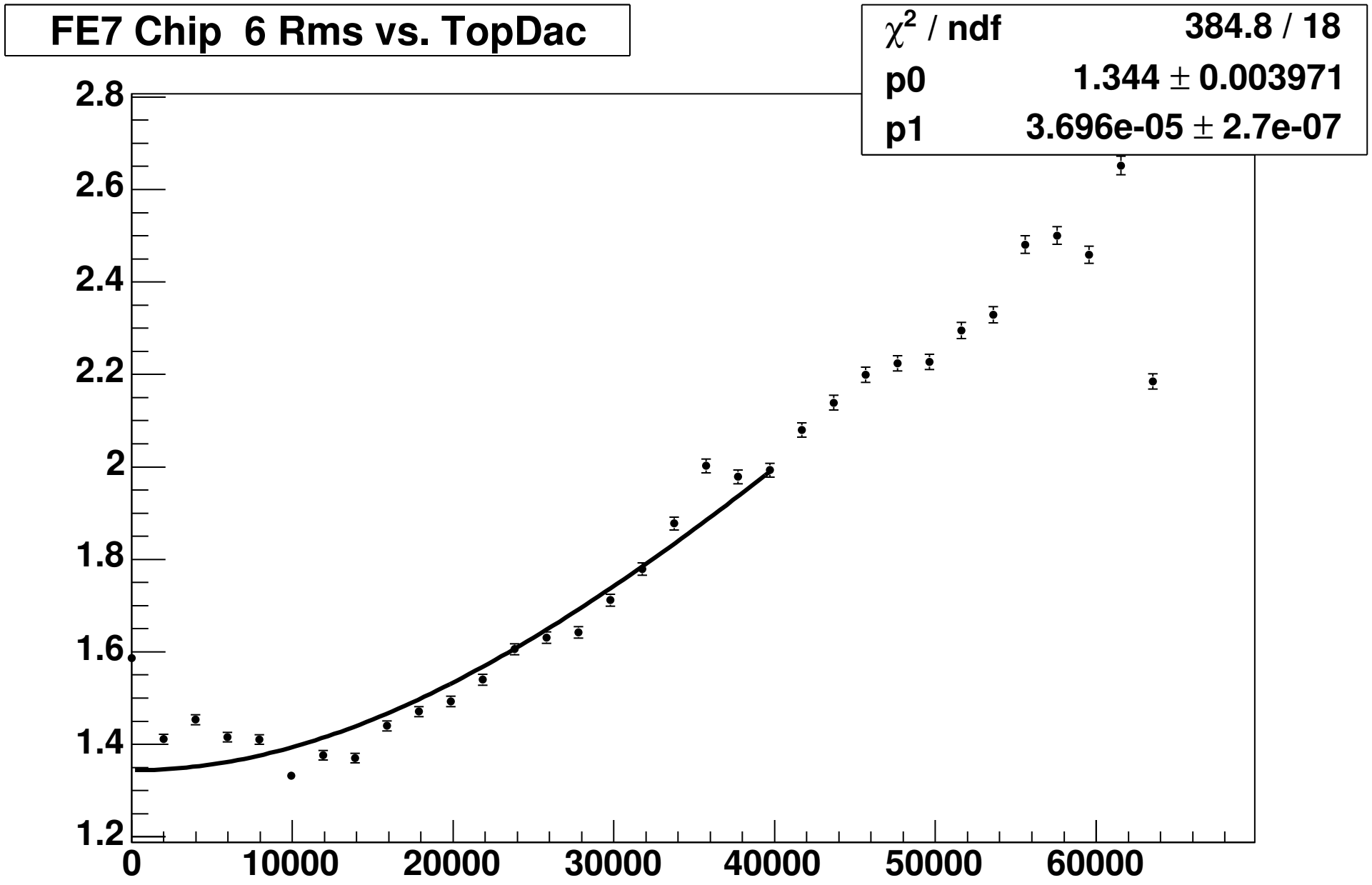
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 384.8 / 18
p0 1.344 ± 0.003971
p1 3.696e-05 ± 2.7e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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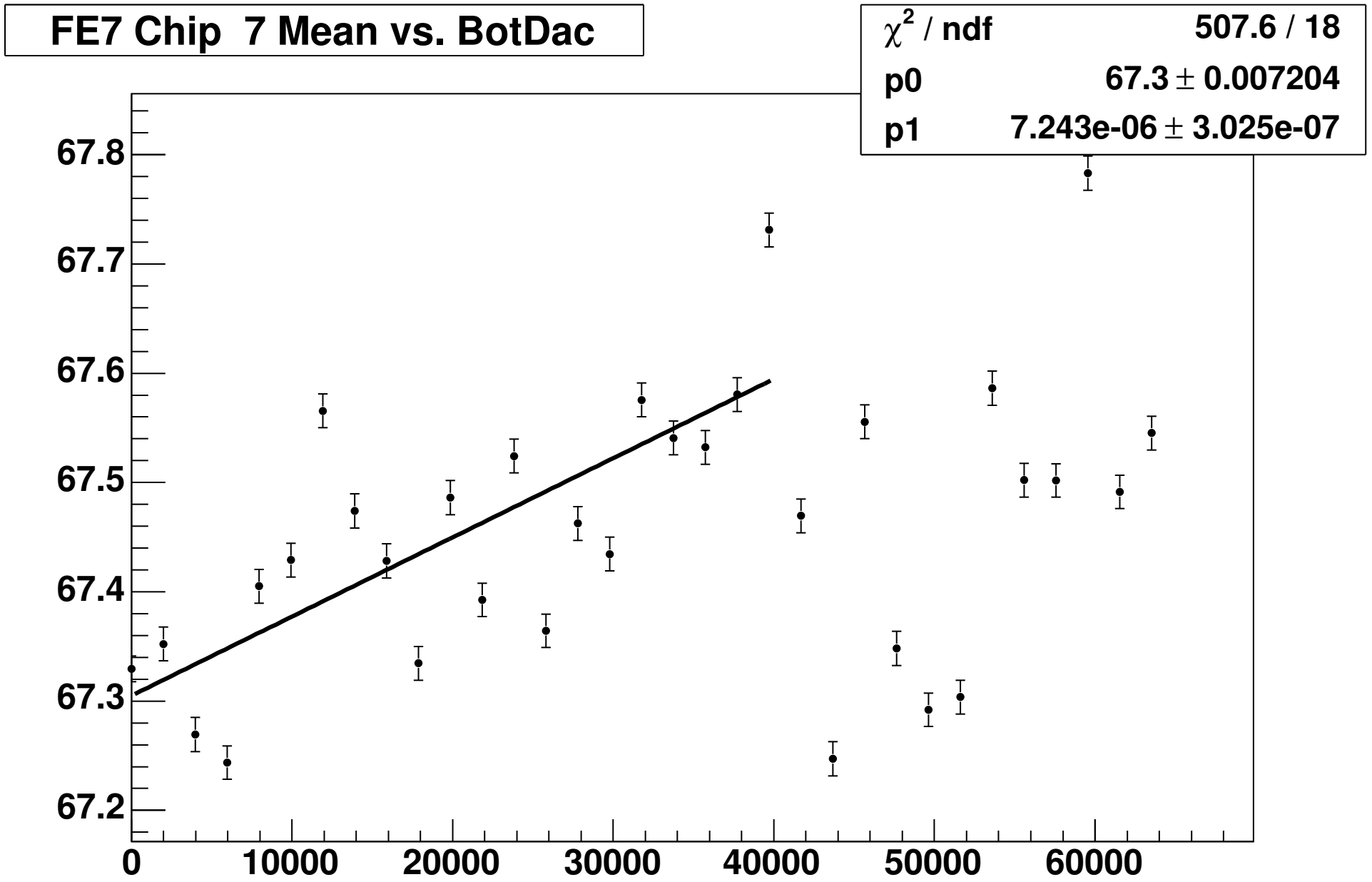
FE7 Chip 7 Mean vs. BotDac
χ² / ndf 507.6 / 18
p0 67.3 ± 0.007204
p1 7.243e-06 ± 3.025e-07
67.8
67.7
67.6
67.5
67.4
67.3
67.2
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10000
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50000
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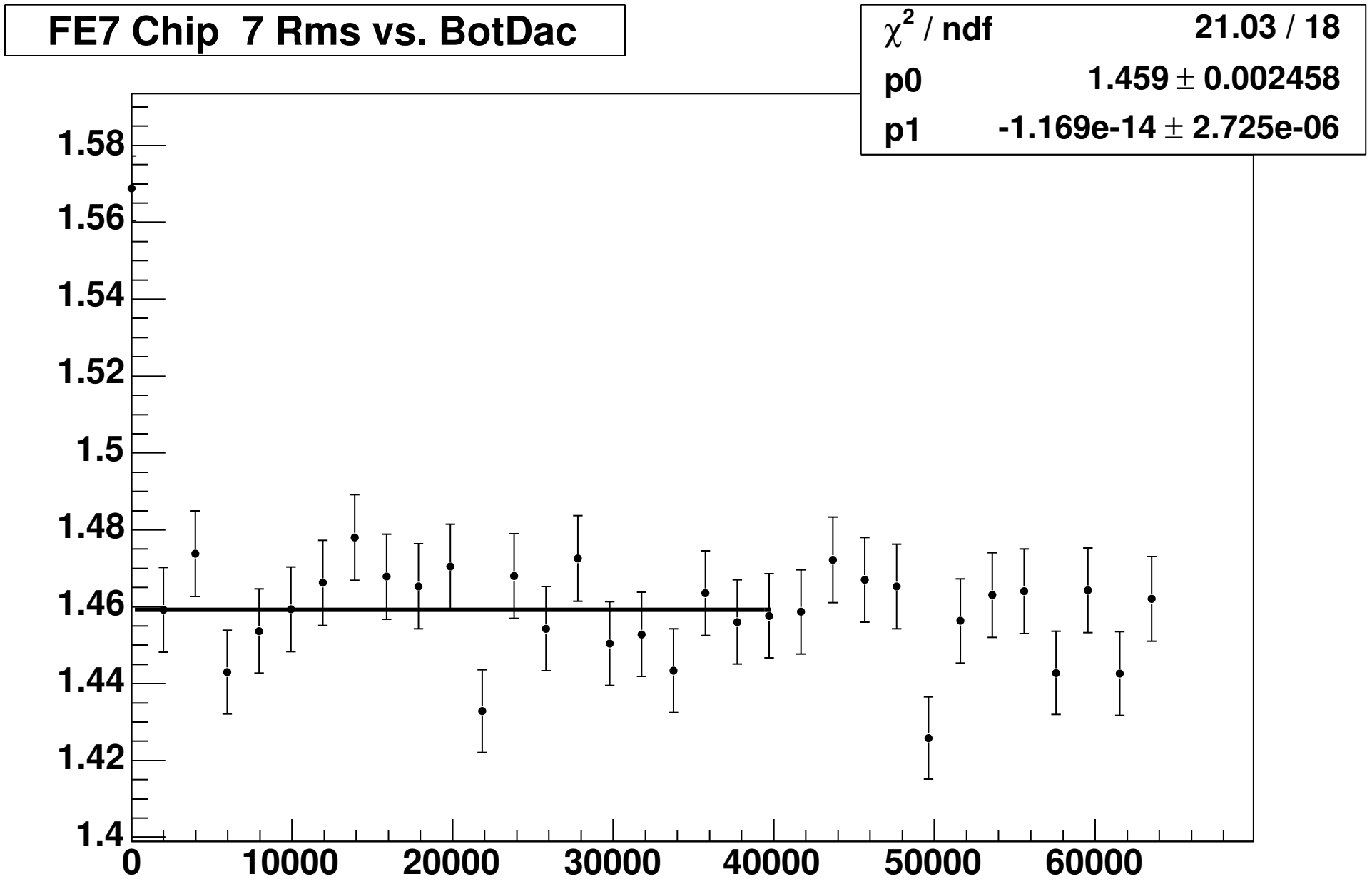
FE7 Chip 7 Rms vs. BotDac
χ² / ndf 21.03 / 18
p0 1.459 ± 0.002458
p1 -1.169e-14 ± 2.725e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
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10000
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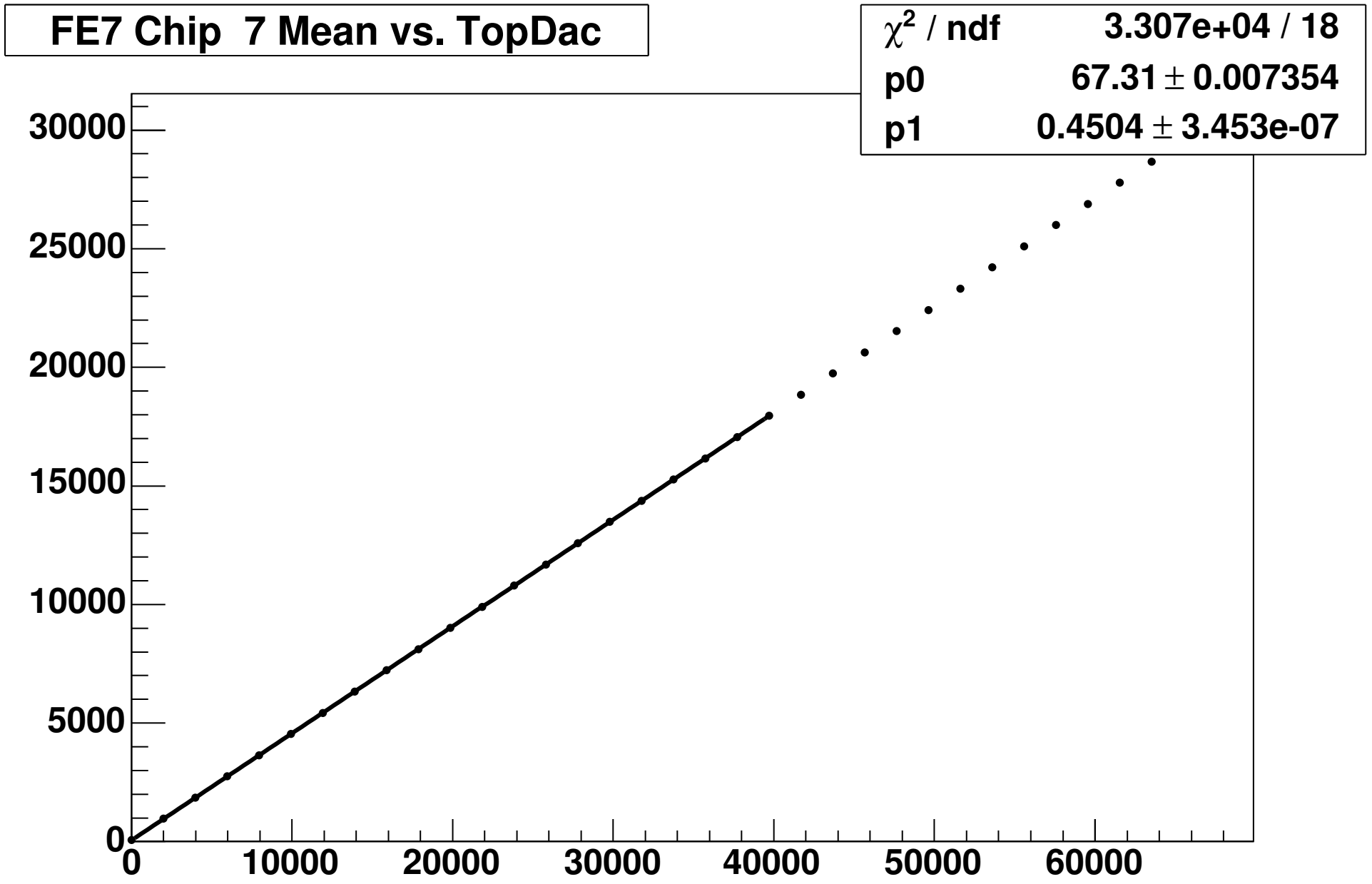
FE7 Chip 7 Mean vs. TopDac
χ² / ndf 3.307e+04 / 18
p0 67.31 ± 0.007354
p1 0.4504 ± 3.453e-07
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25000
20000
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10000
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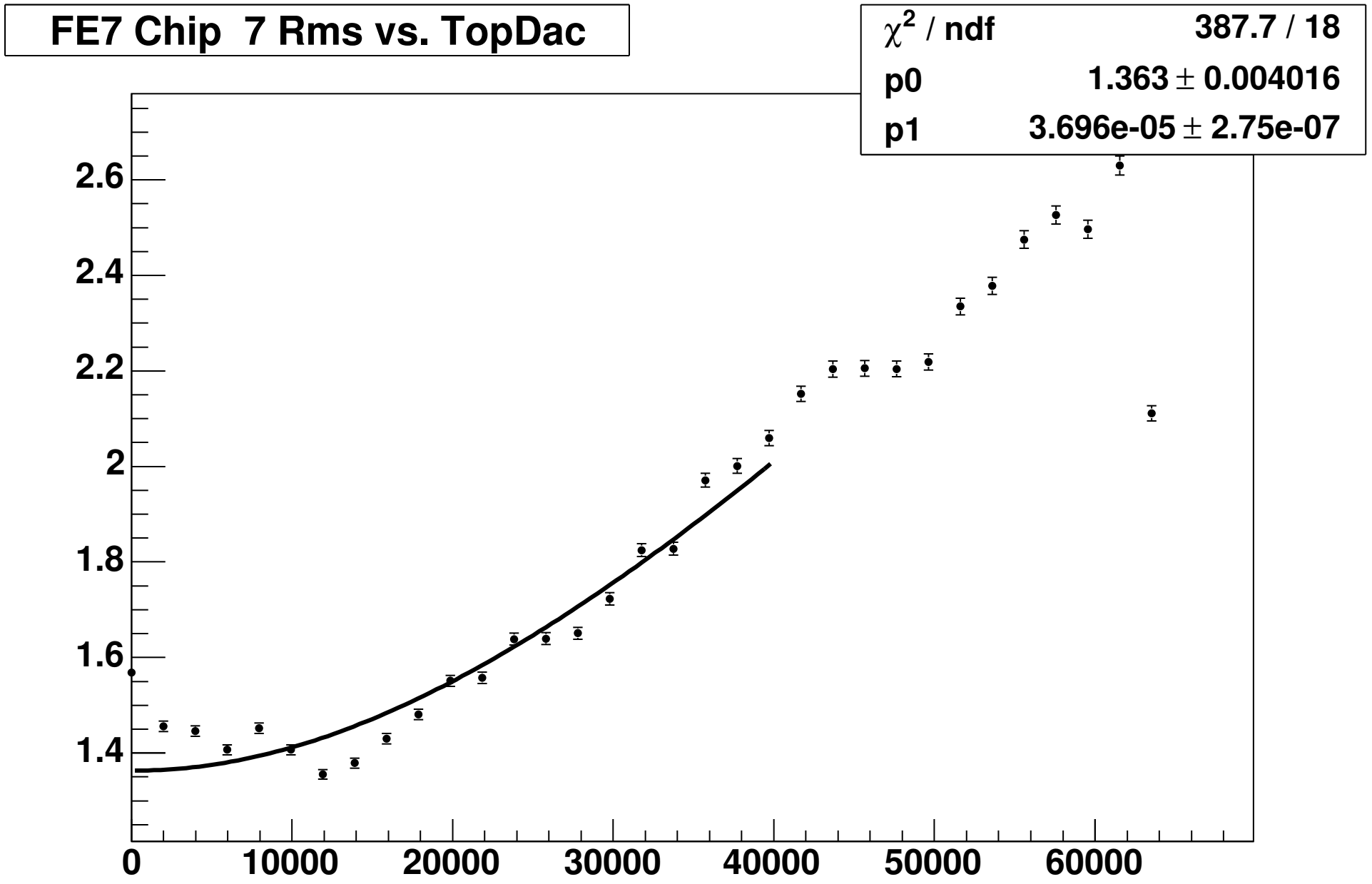
10000
20000
30000
40000
50000
60000


FE7 Chip 7 Rms vs. TopDac
χ² / ndf 387.7 / 18
p0 1.363 ± 0.004016
p1 3.696e-05 ± 2.75e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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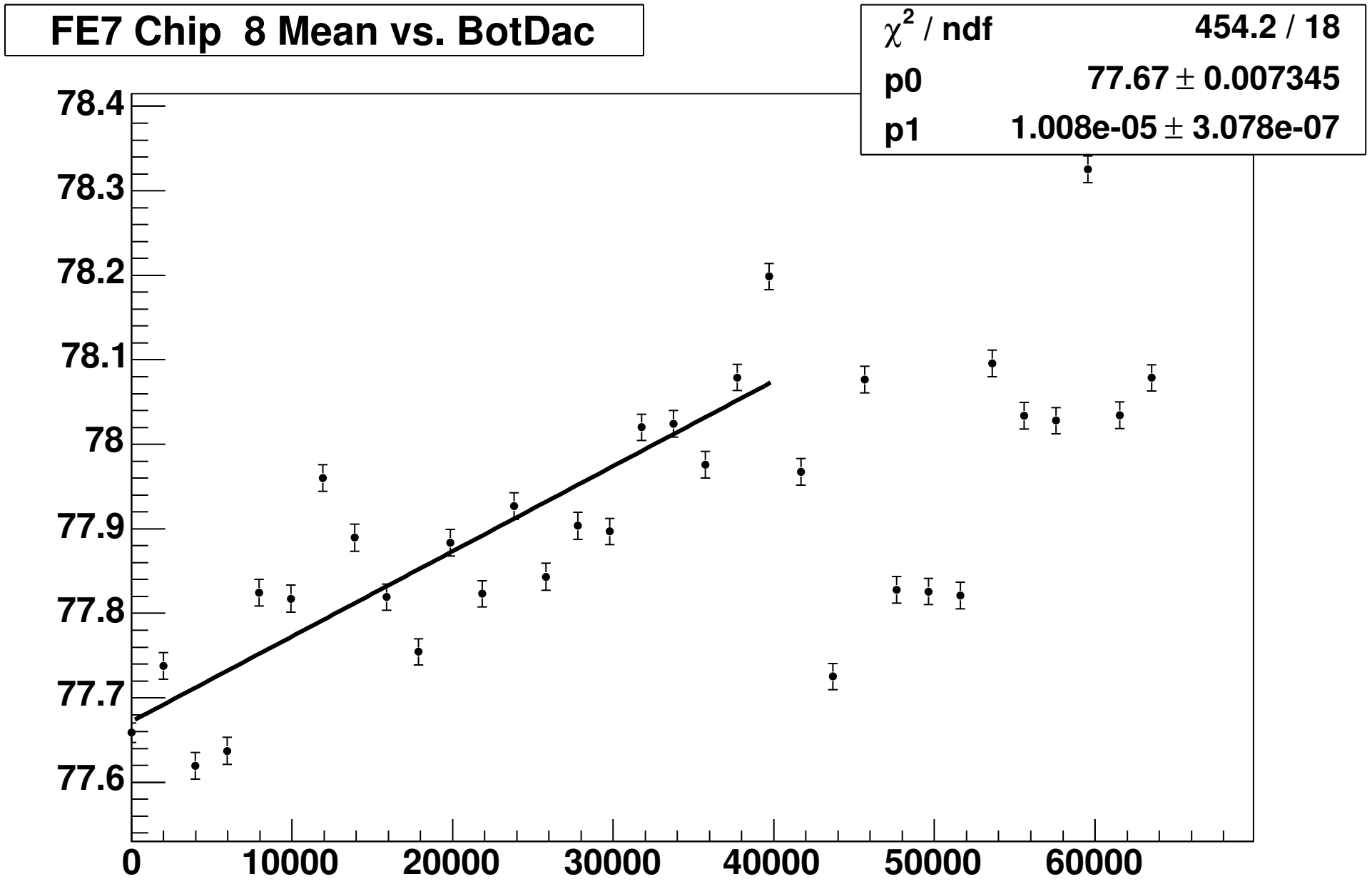
FE7 Chip 8 Mean vs. BotDac
χ² / ndf 454.2 / 18
p0 77.67 ± 0.007345
p1 1.008e-05 ± 3.078e-07
78.4
78.3
78.2
78.1
78
77.9
77.8
77.7
77.6
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10000
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50000
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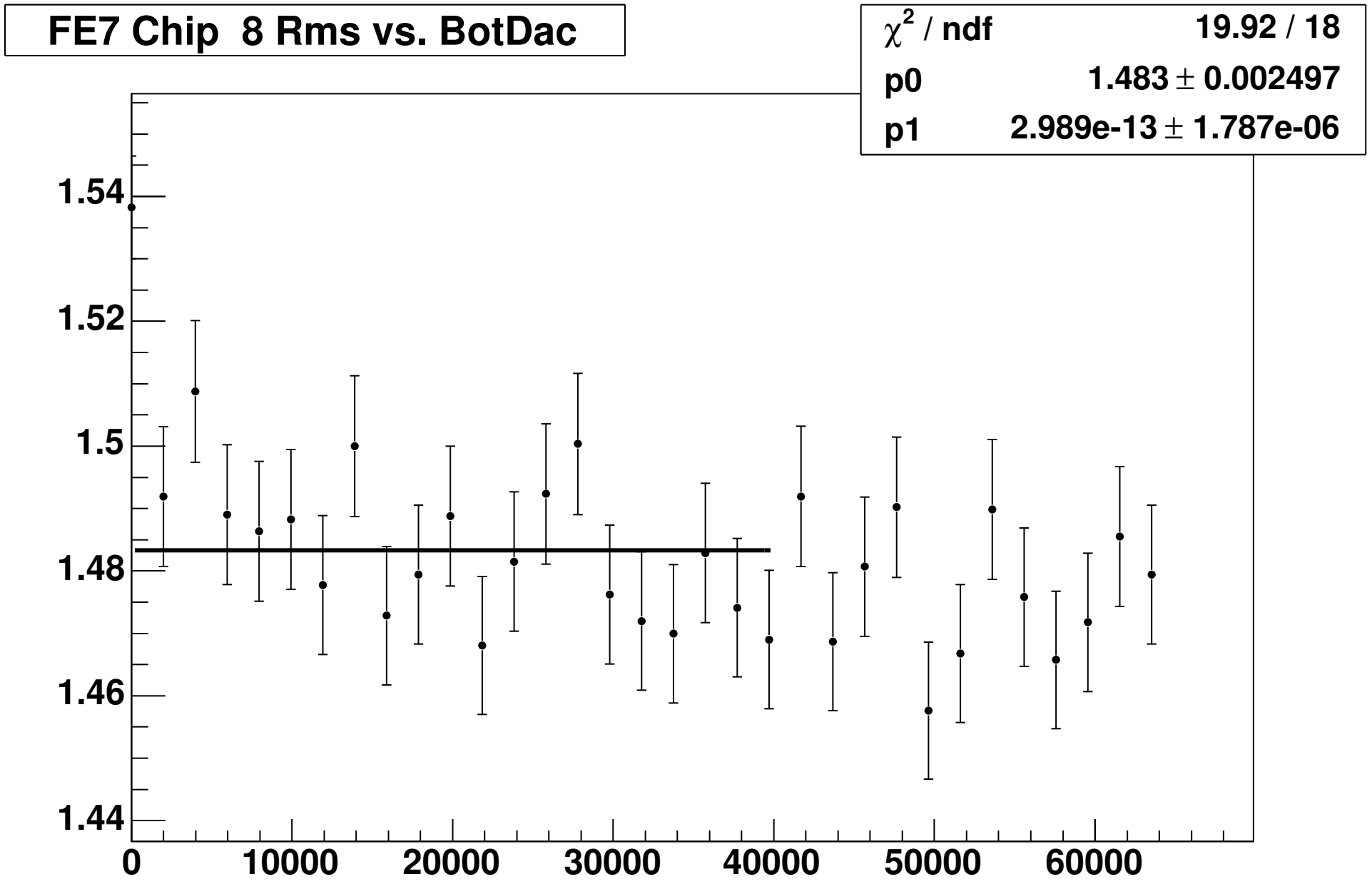
FE7 Chip 8 Rms vs. BotDac
χ² / ndf 19.92 / 18
p0 1.483 ± 0.002497
p1 2.989e-13 ± 1.787e-06
1.54
1.52
1.5
1.48
1.46
1.44
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10000
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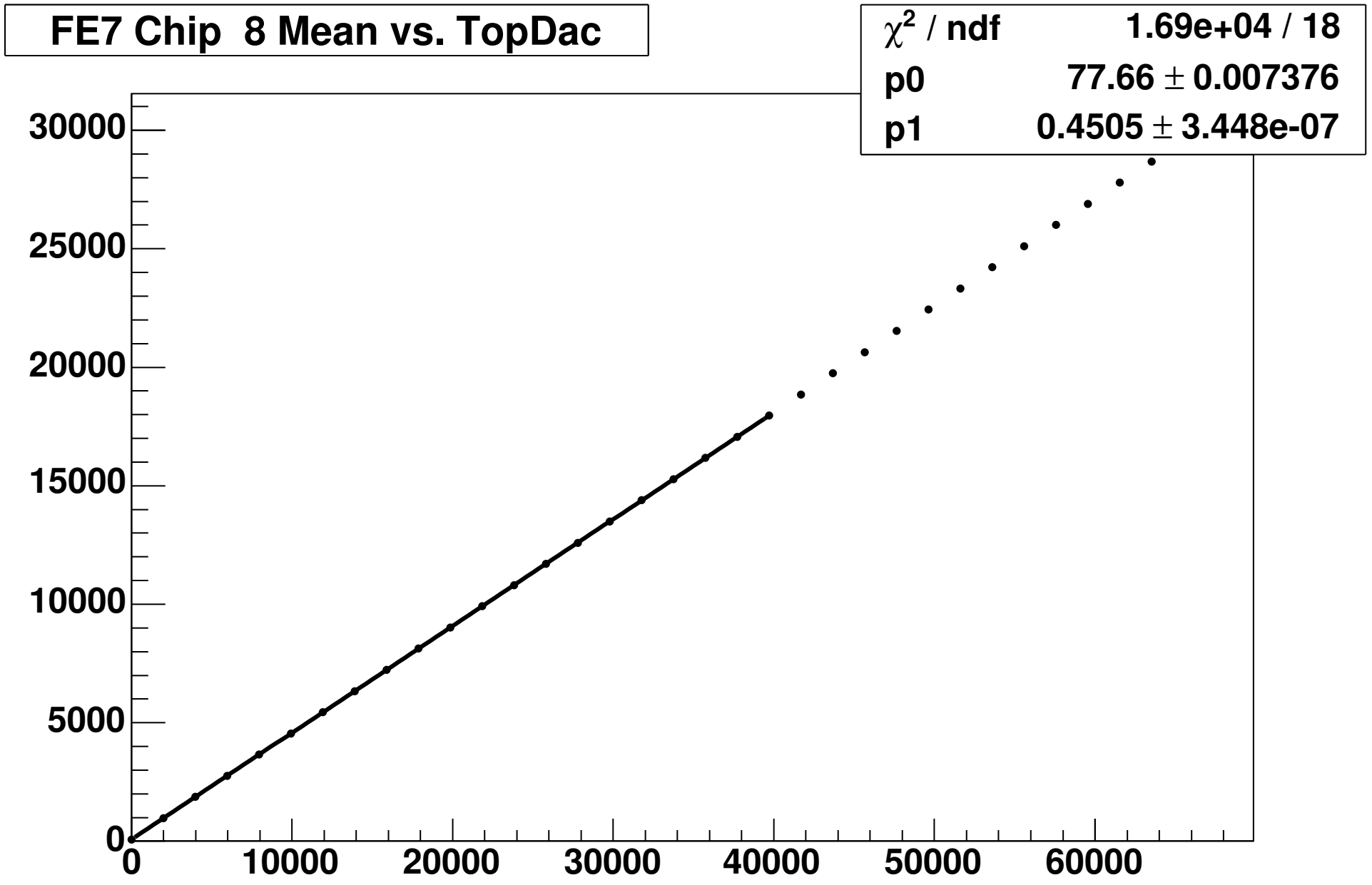
60000


FE7 Chip 8 Mean vs. TopDac
χ² / ndf 1.69e+04 / 18
p0 77.66 ± 0.007376
p1 0.4505 ± 3.448e-07
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25000
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10000
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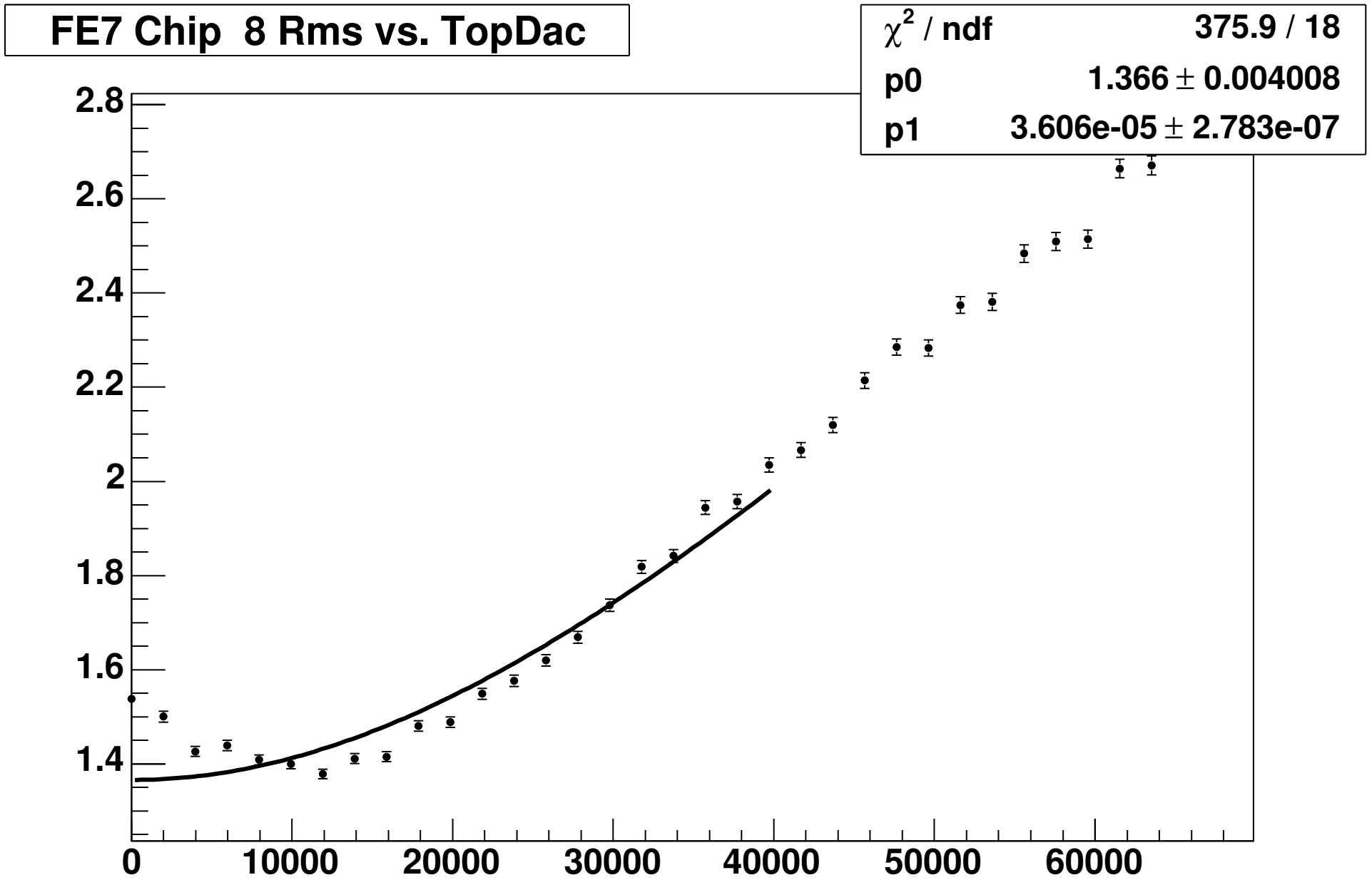
0
10000
20000
30000
40000
50000
60000


FE7 Chip 8 Rms vs. TopDac
χ² / ndf 375.9 / 18
p0 1.366 ± 0.004008
p1 3.606e-05 ± 2.783e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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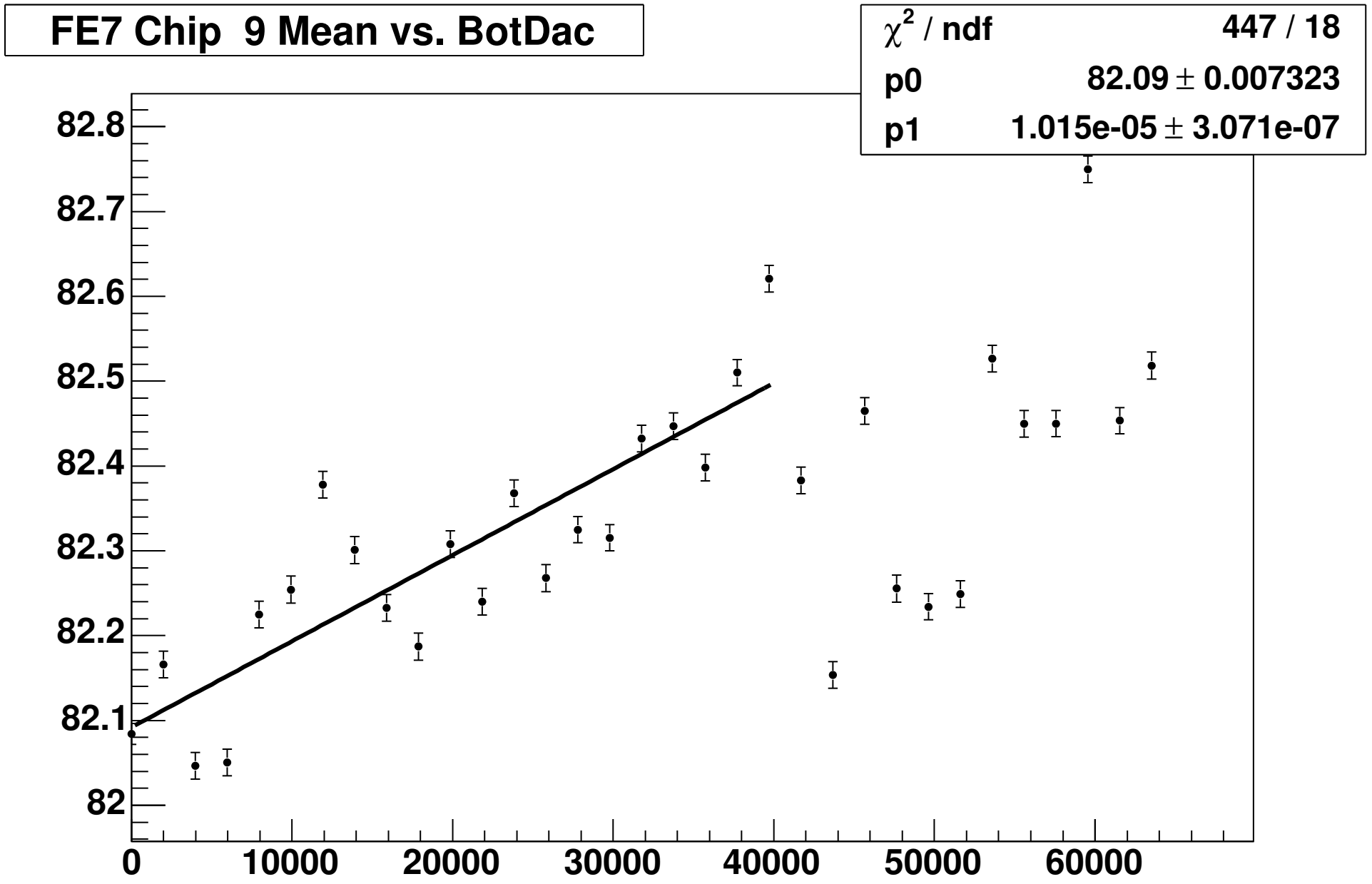
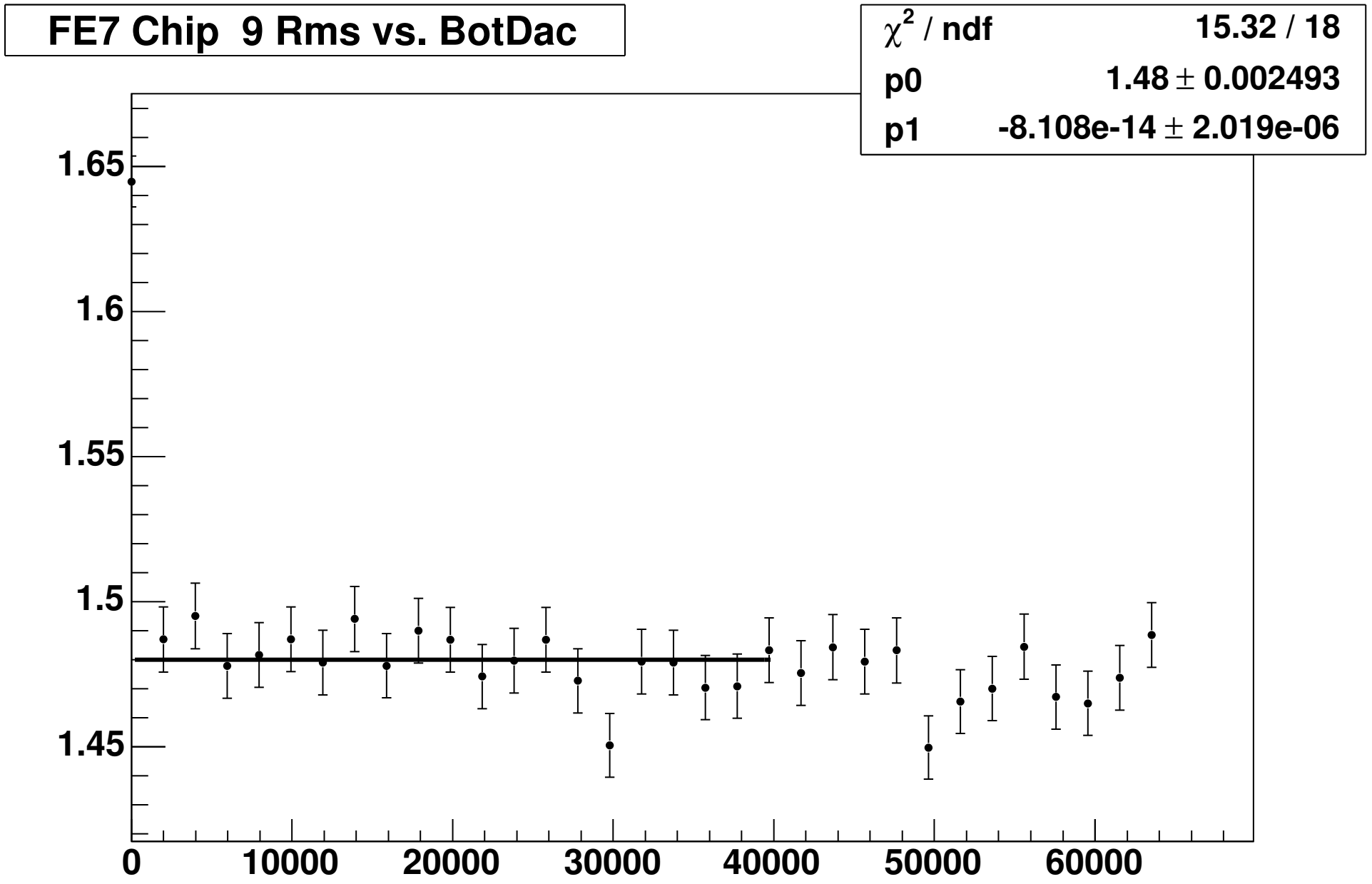
40000
50000
60000


FE7 Chip 9 Mean vs. BotDac
χ² / ndf 447 / 18
p0 82.09 ± 0.007323
p1 1.015e-05 ± 3.071e-07
82.8
82.7
82.6
82.5
82.4
82.3
82.2
82.1
82
0
10000
20000
30000
40000
50000
60000


FE7 Chip 9 Rms vs. BotDac
χ² / ndf 15.32 / 18
p0 1.48 ± 0.002493
p1 -8.108e-14 ± 2.019e-06
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1.6
1.55
1.5
1.45
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10000
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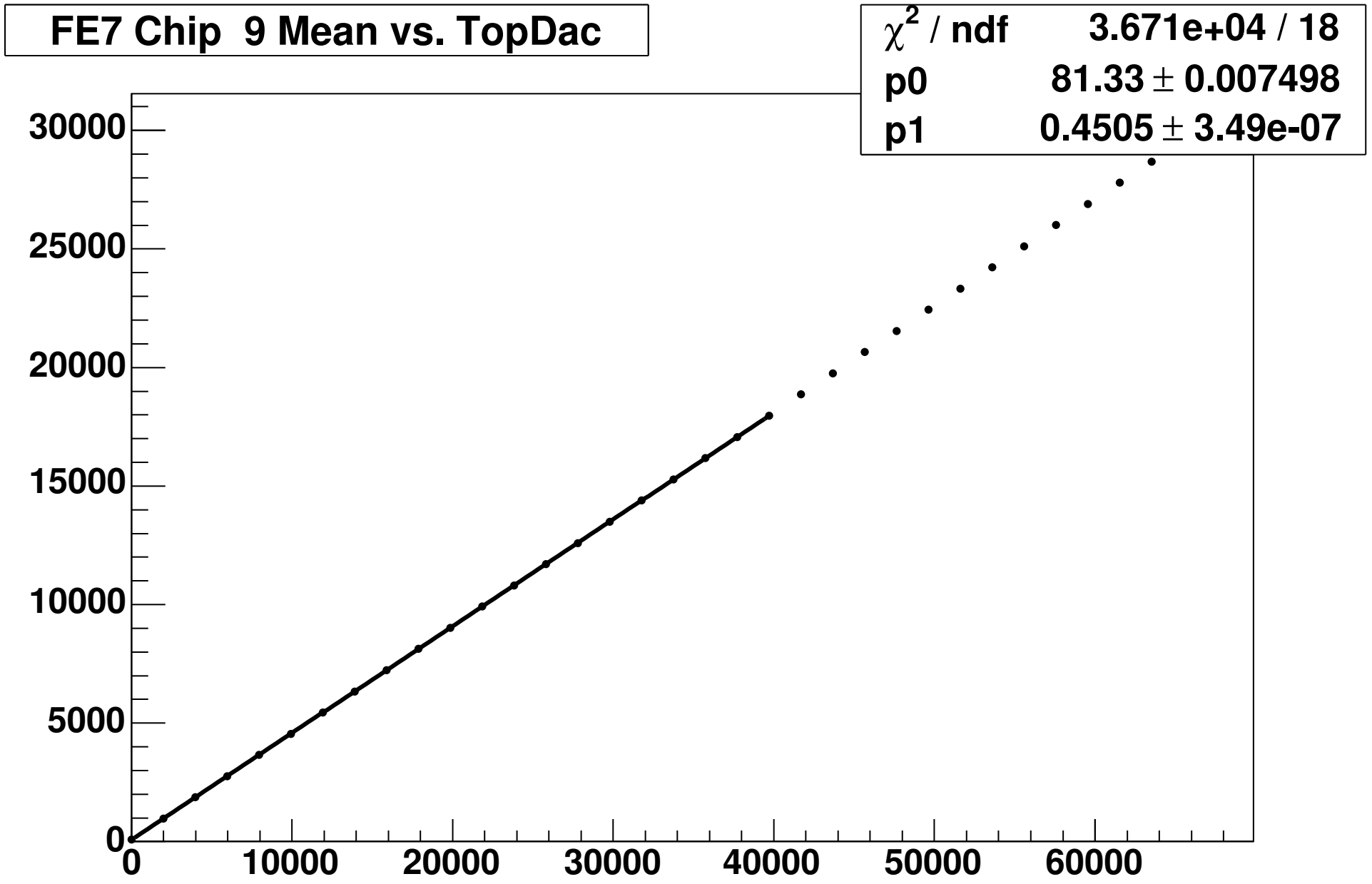
60000


FE7 Chip 9 Mean vs. TopDac
χ² / ndf 3.671e+04 / 18
p0 81.33 ± 0.007498
p1 0.4505 ± 3.49e-07
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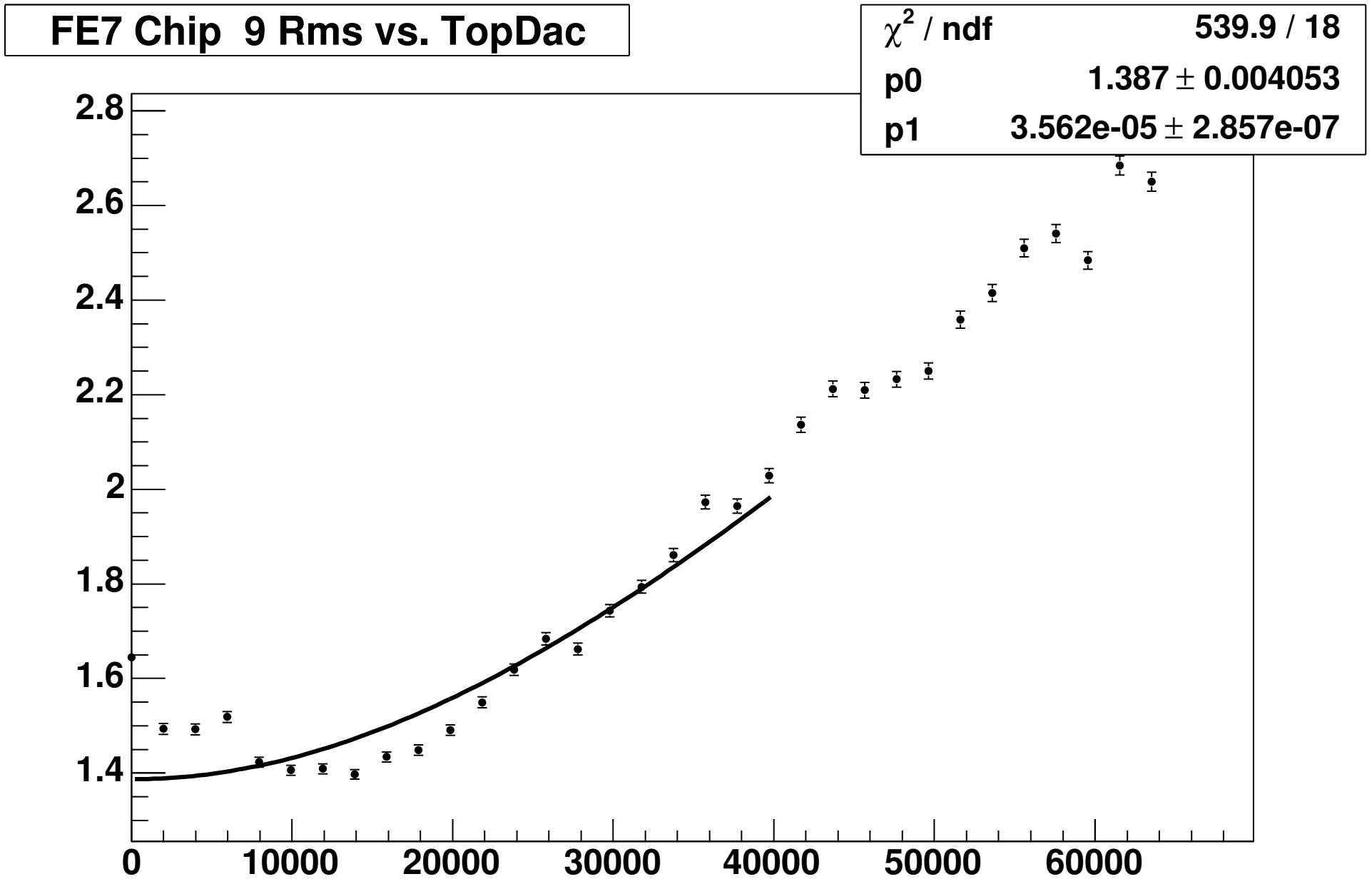
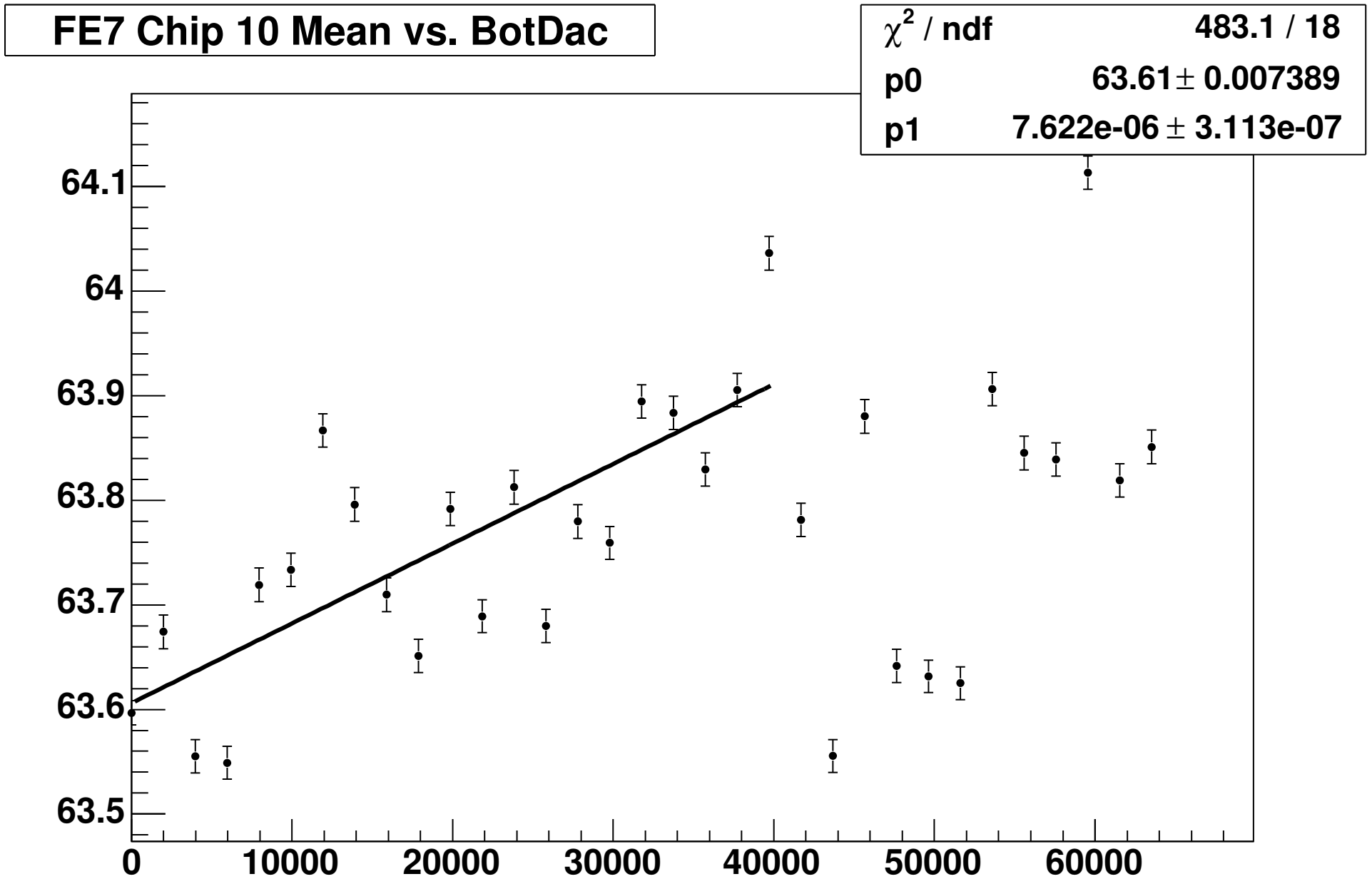
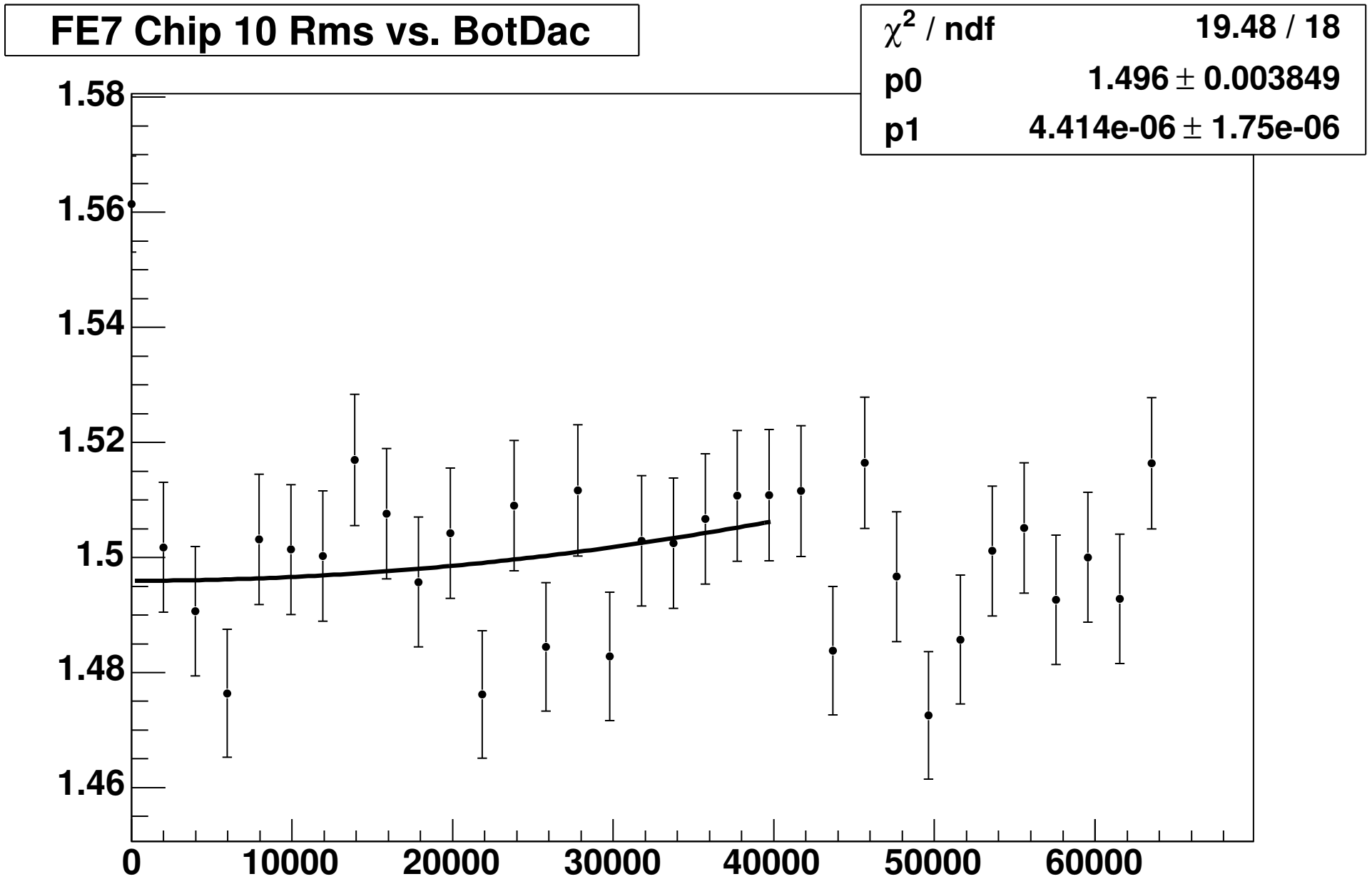
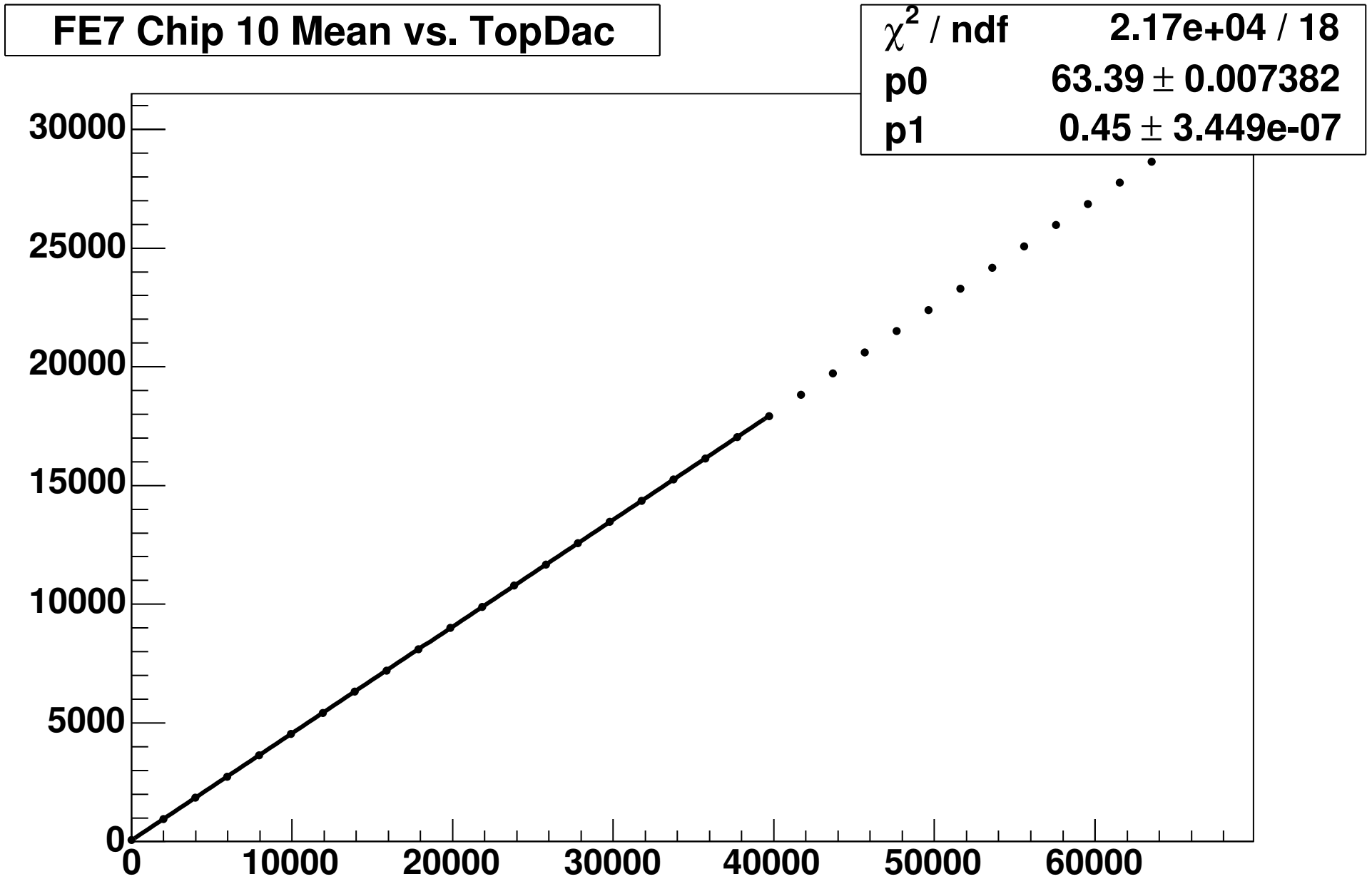
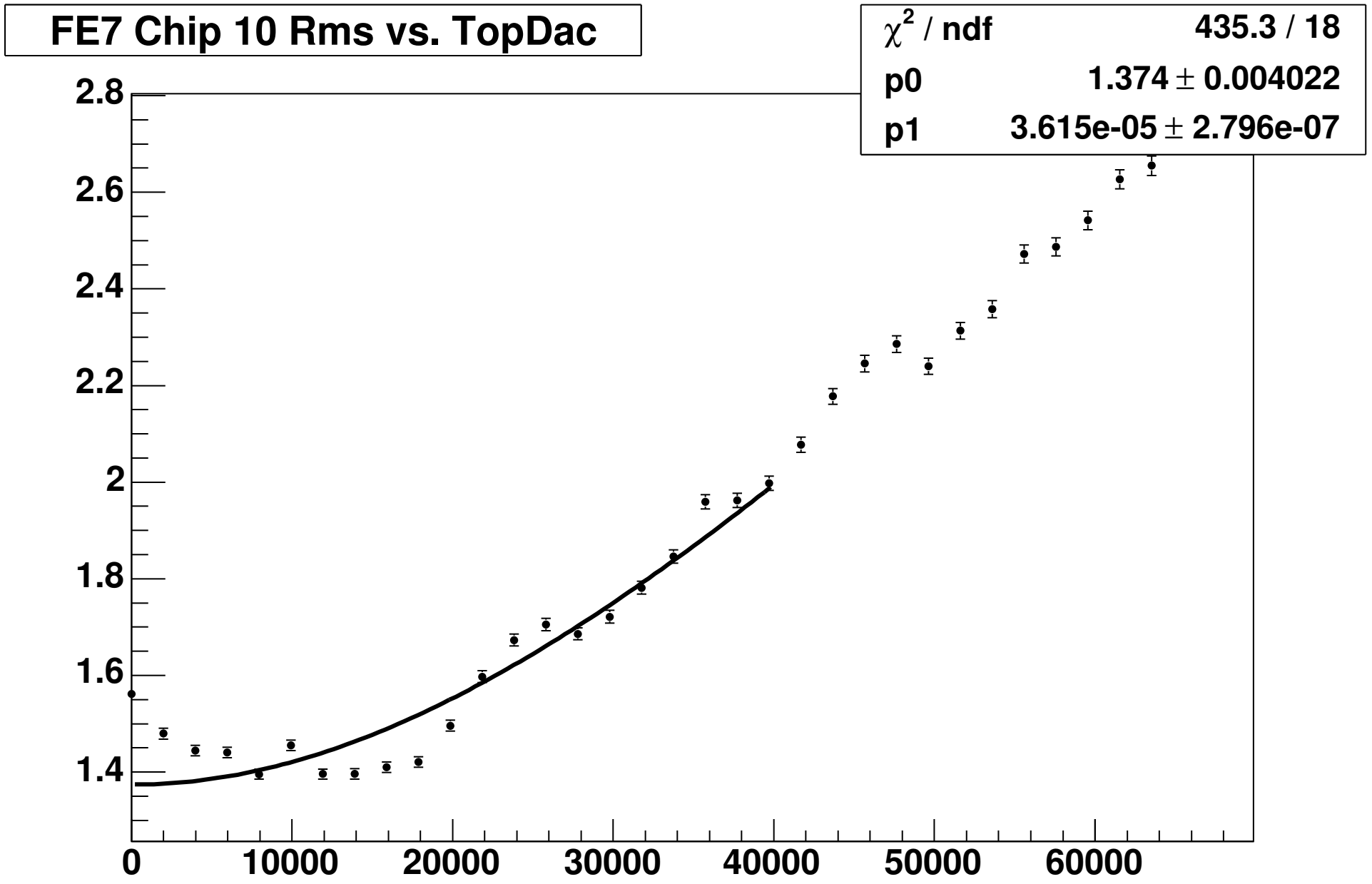
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

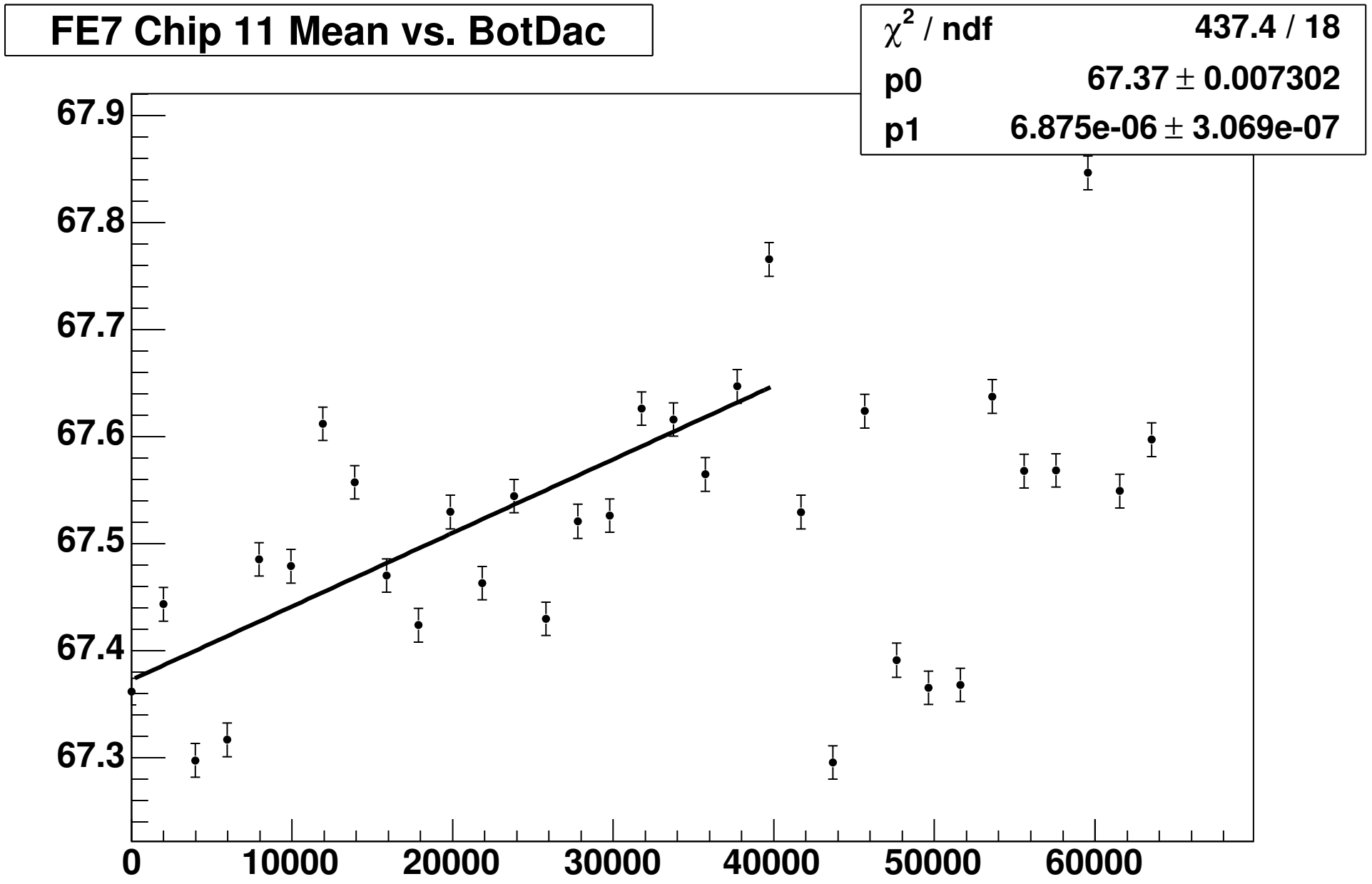

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 539.9 / 18
p0 1.387 ± 0.004053
p1 3.562e-05 ± 2.857e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

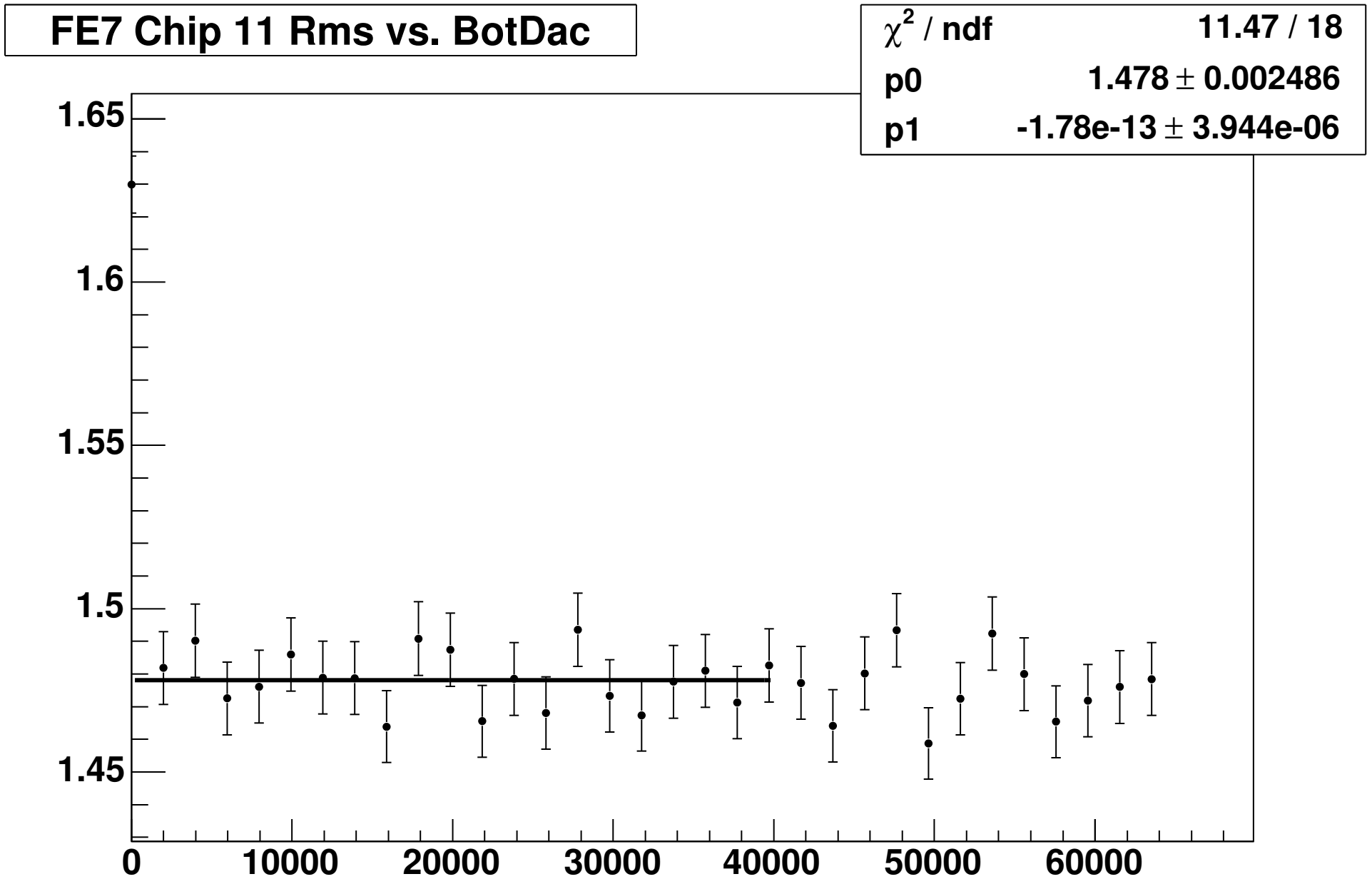

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 483.1 / 18
p0 63.61 ± 0.007389
p1 7.622e-06 ± 3.113e-07
64.1
64
63.9
63.8
63.7
63.6
63.5
0
10000
20000
30000
40000
50000
60000

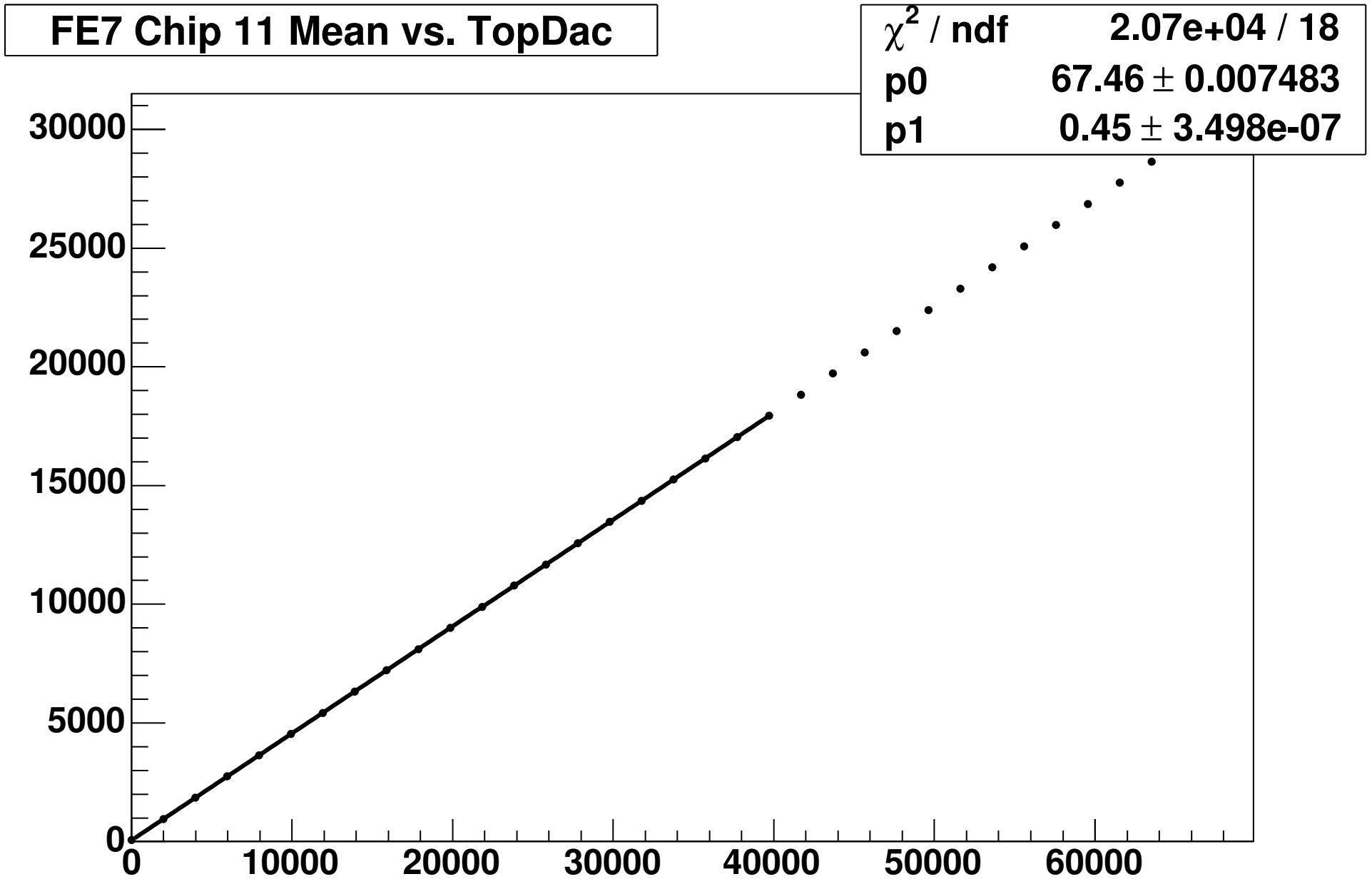

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 19.48 / 18
p0 1.496 ± 0.003849
p1 4.414e-06 ± 1.75e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

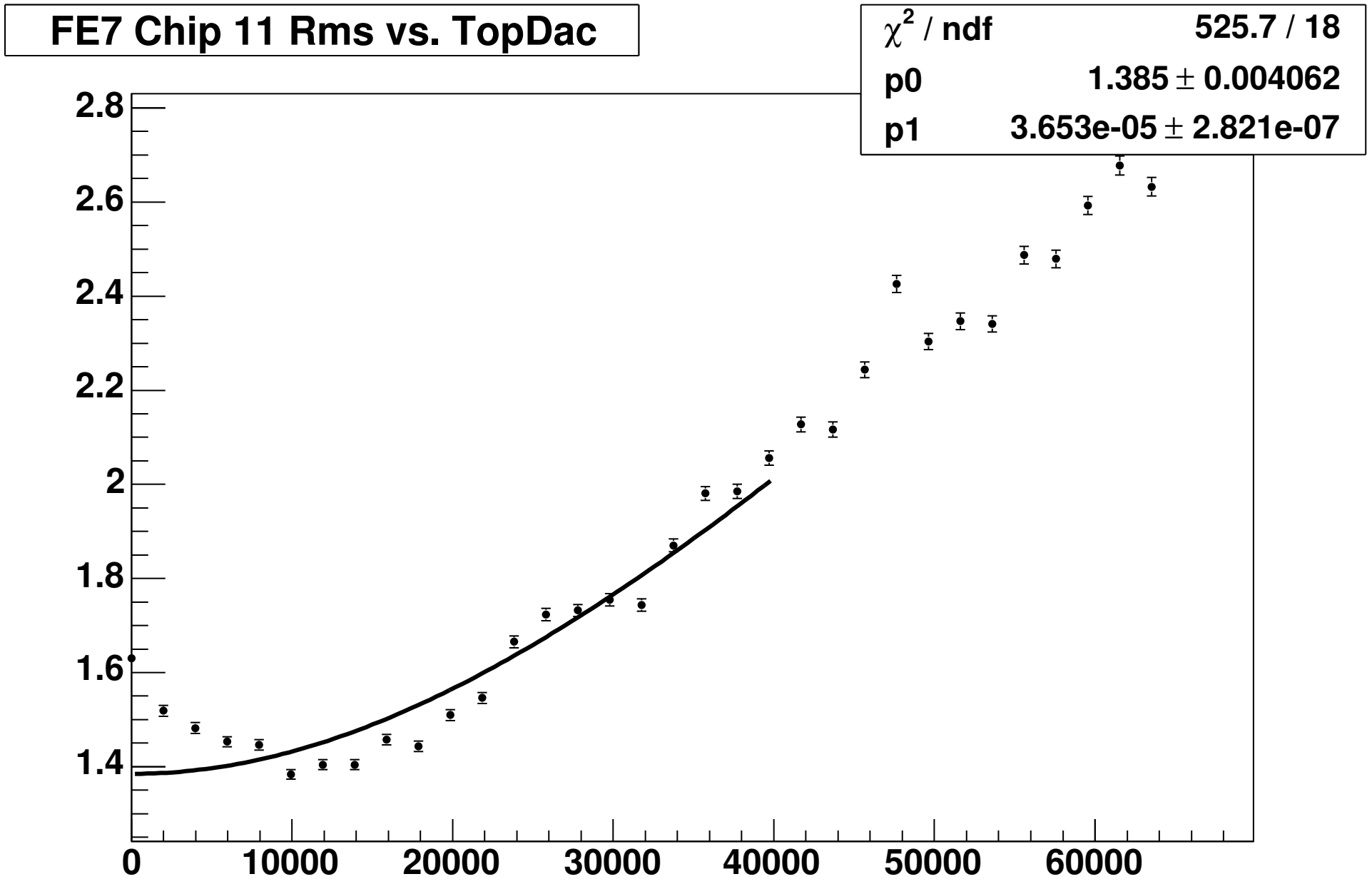

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 2.17e+04 / 18
p0 63.39 ± 0.007382
p1 0.45 ± 3.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

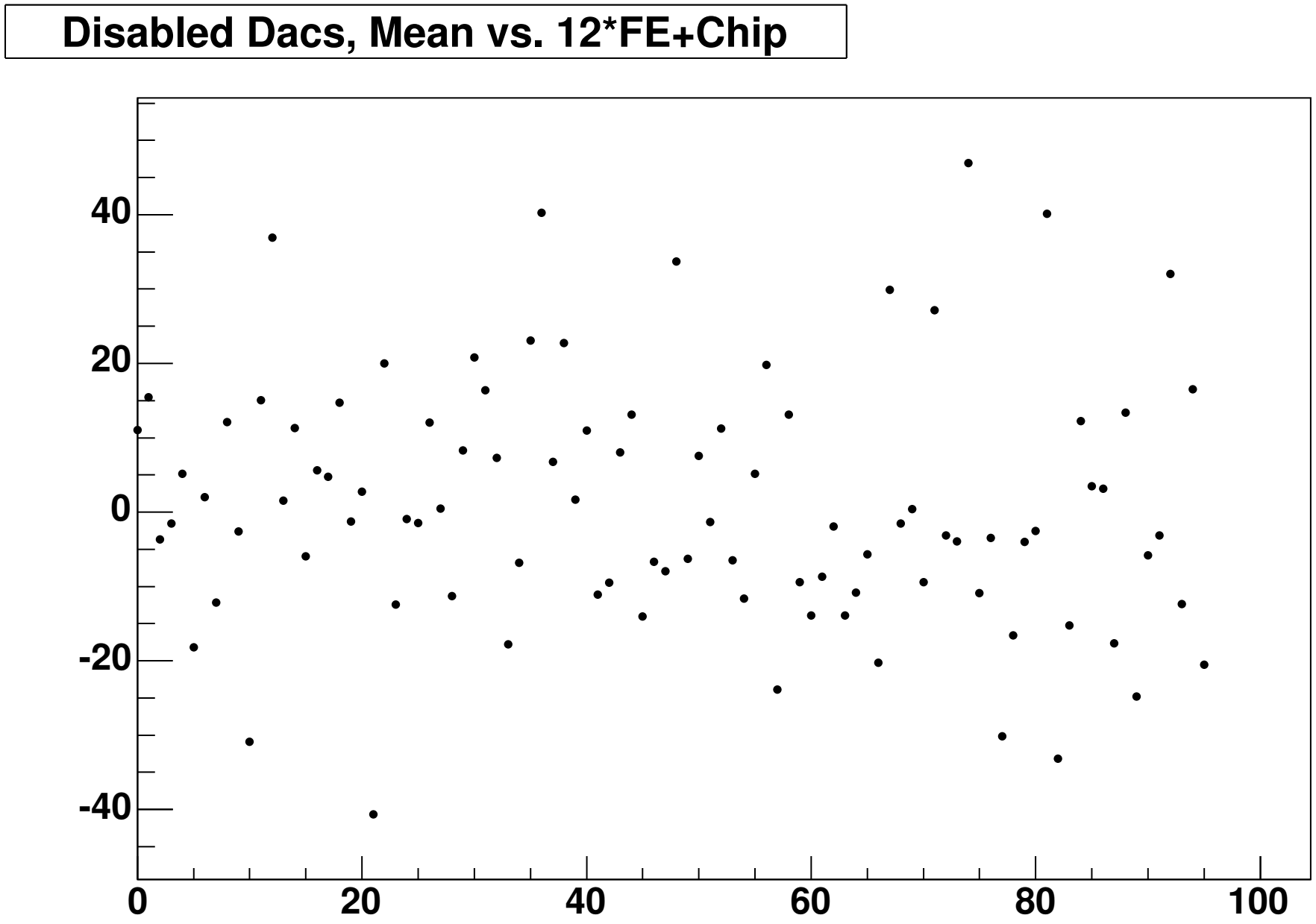

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 435.3 / 18
p0 1.374 ± 0.004022
p1 3.615e-05 ± 2.796e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

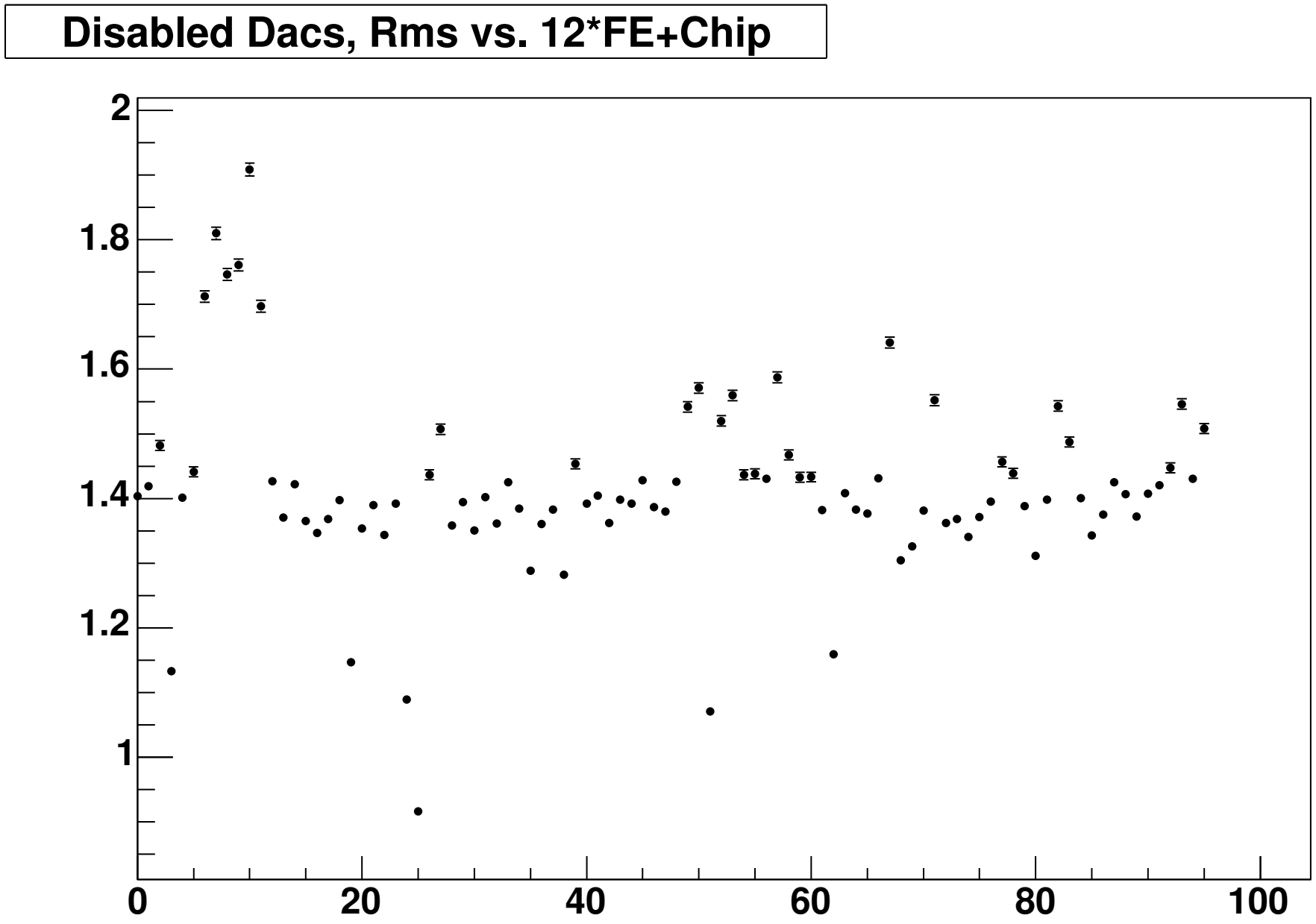

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 437.4 / 18
p0 67.37 ± 0.007302
p1 6.875e-06 ± 3.069e-07
67.9
67.8
67.7
67.6
67.5
67.4
67.3
0
10000
20000
30000
40000
50000
60000

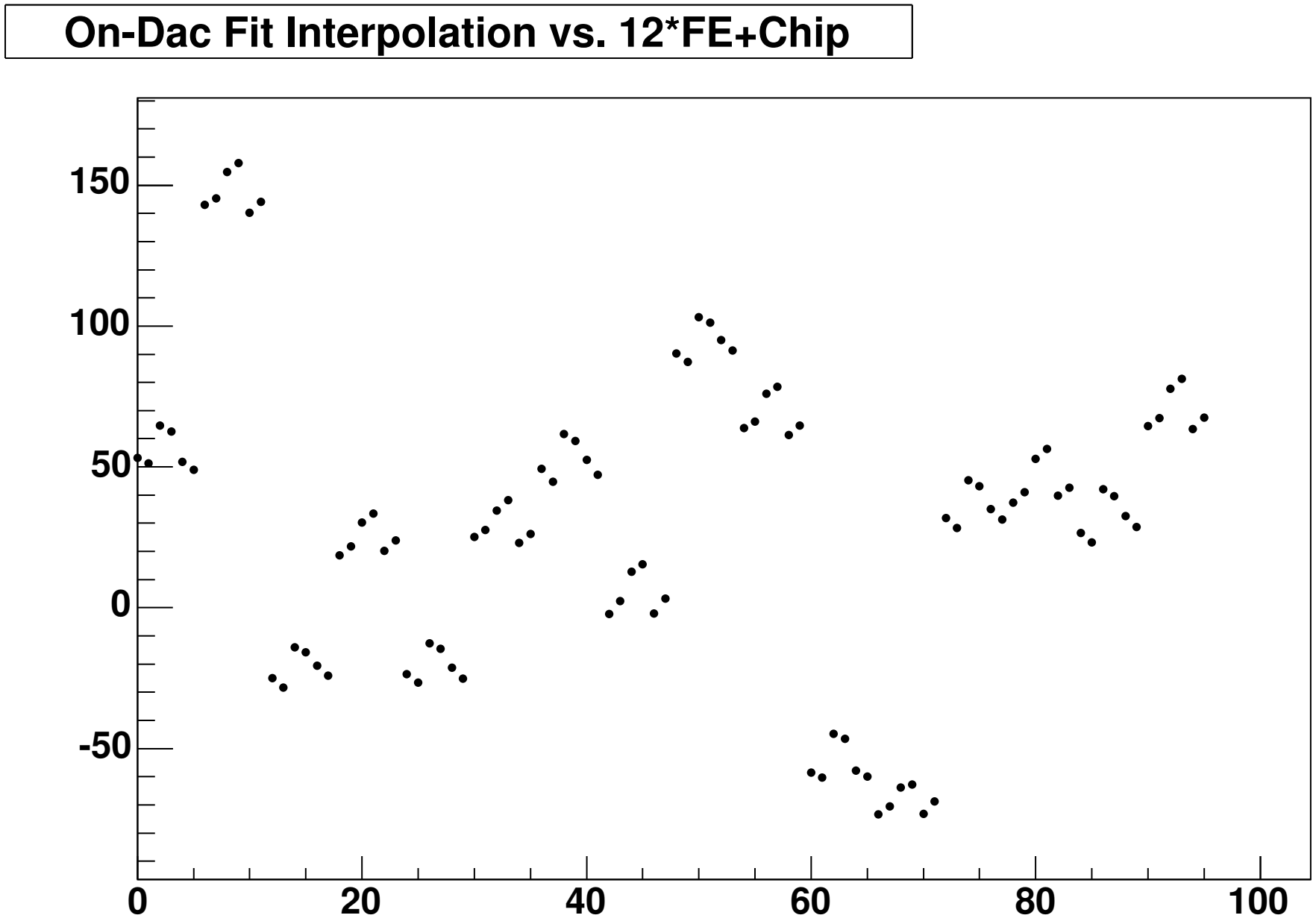

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 11.47 / 18
p0 1.478 ± 0.002486
p1 -1.78e-13 ± 3.944e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

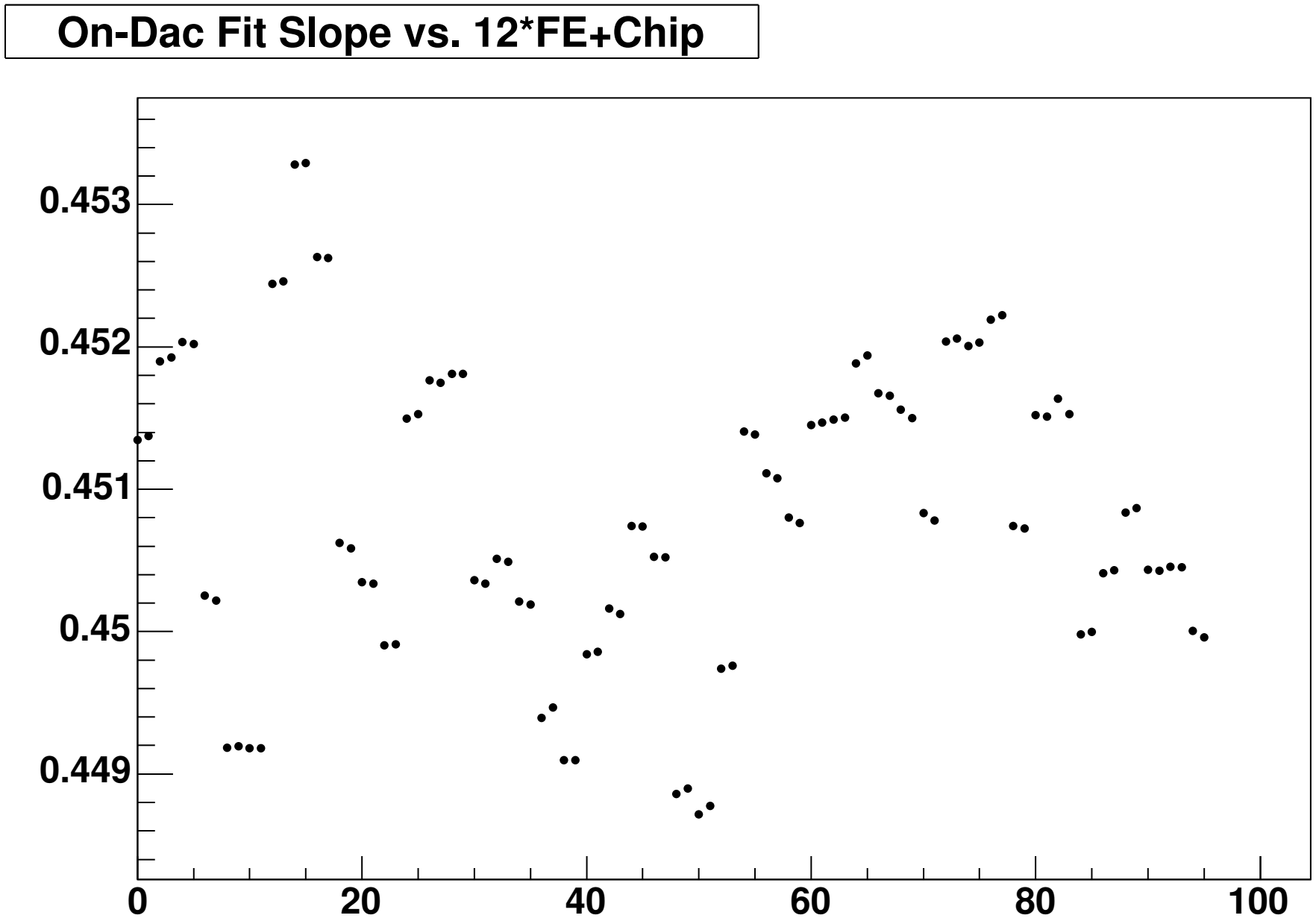

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 2.07e+04 / 18
p0 67.46 ± 0.007483
p1 0.45 ± 3.498e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

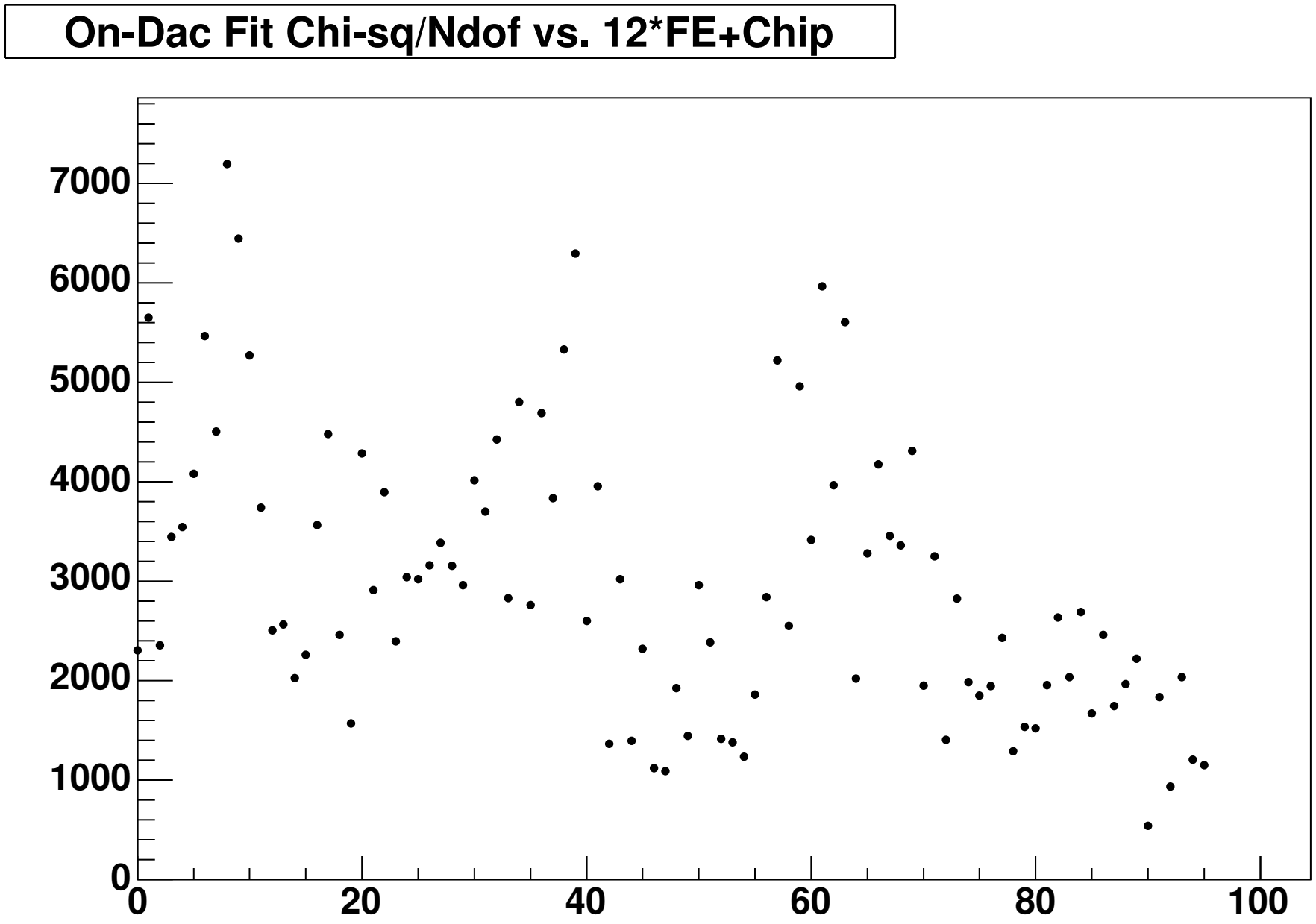

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 525.7 / 18
p0 1.385 ± 0.004062
p1 3.653e-05 ± 2.821e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

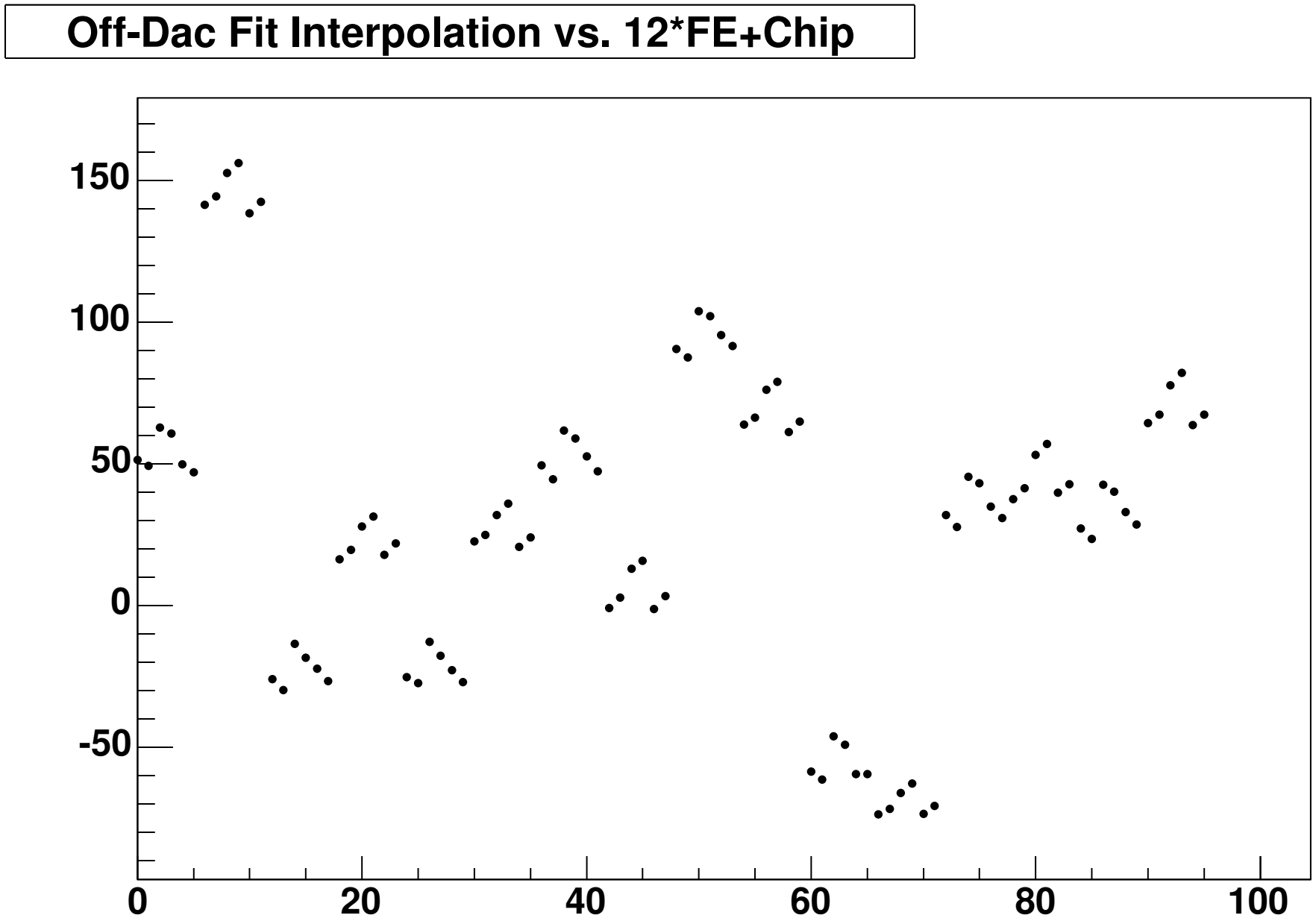

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

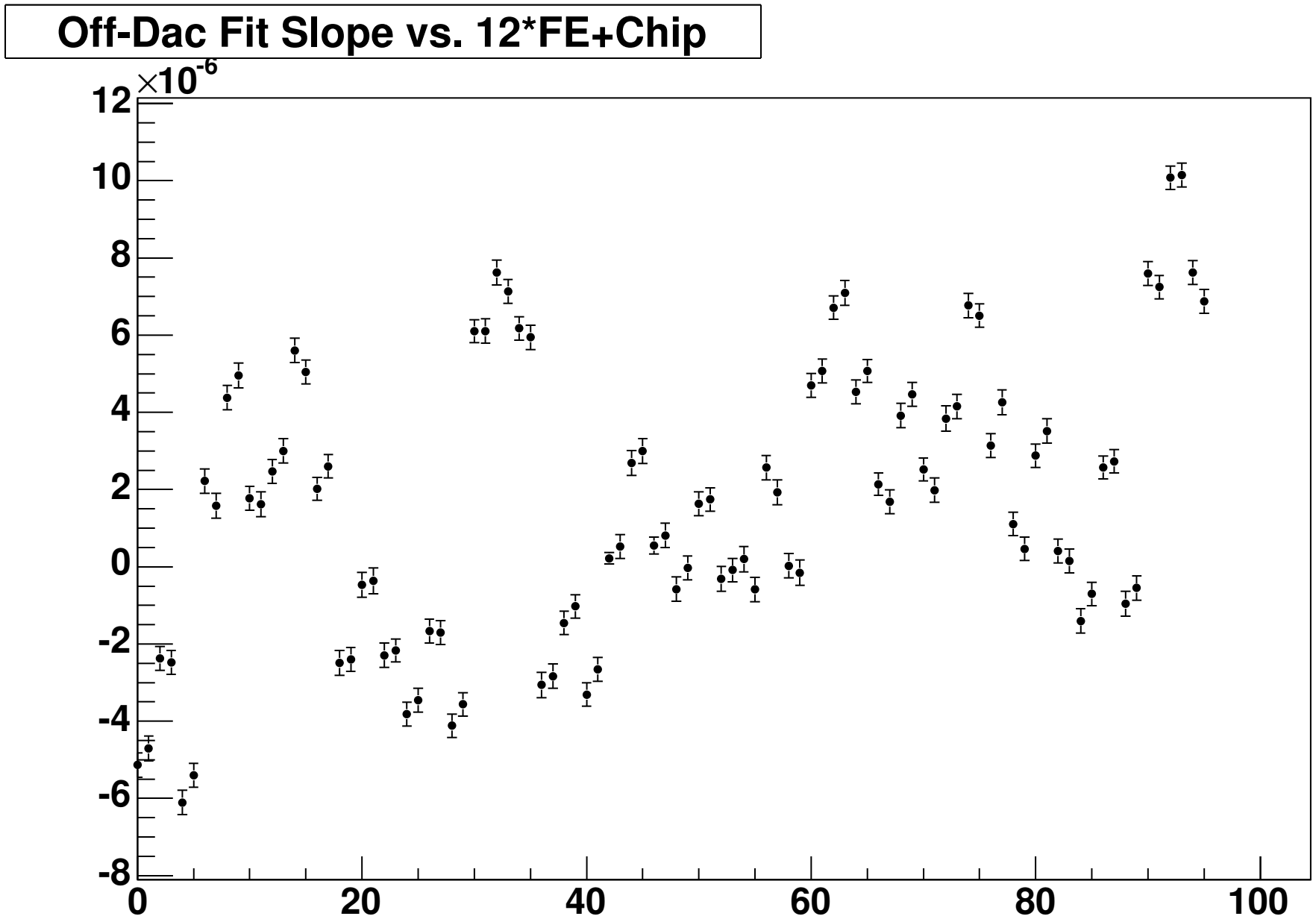

Disabled Dacs, Rms vs. 12*FE+Chip
2
1.8
1.6
1.4
1.2
1
0
20
40
60
80
100

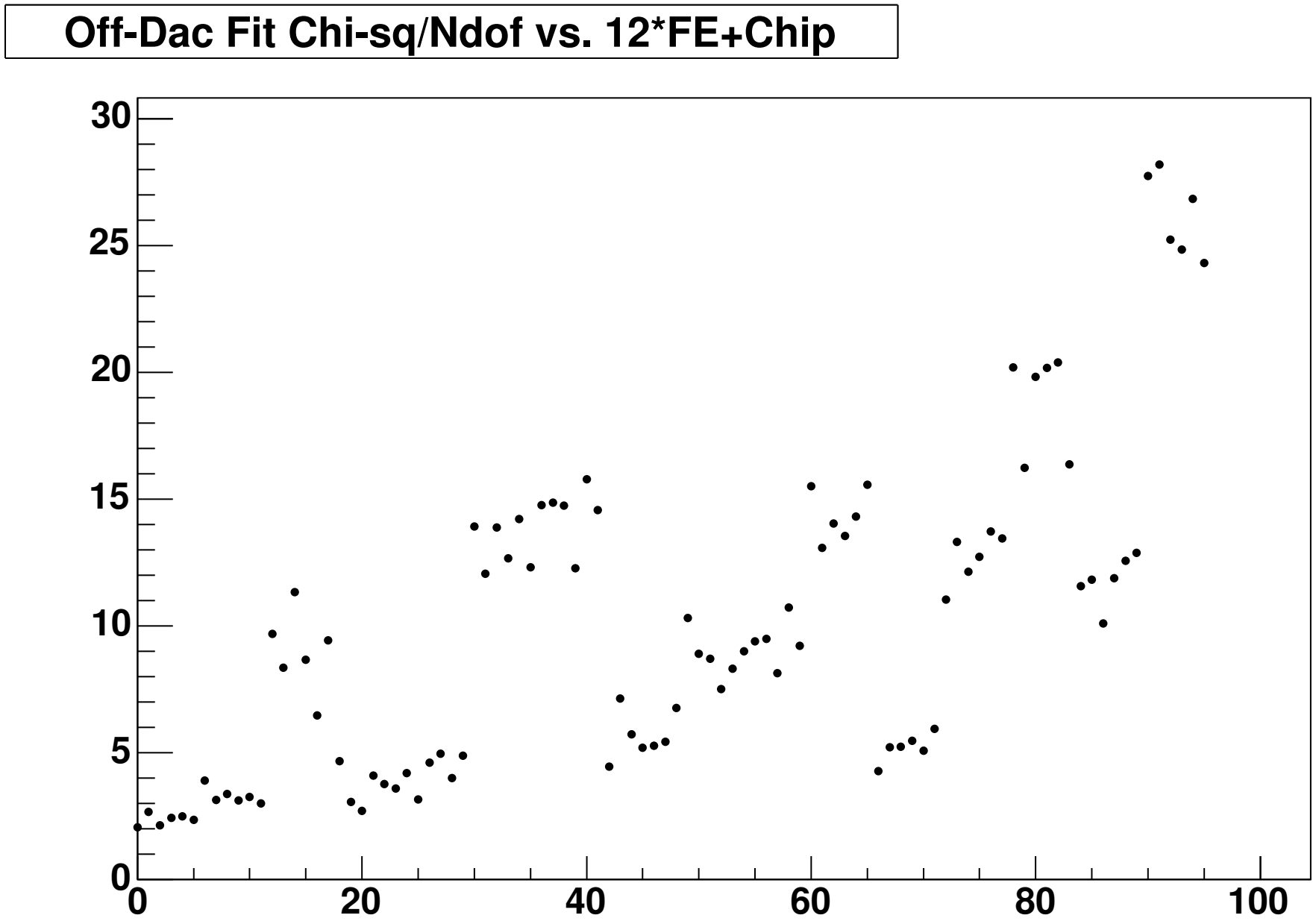

On-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
0
20
40
60
80
100

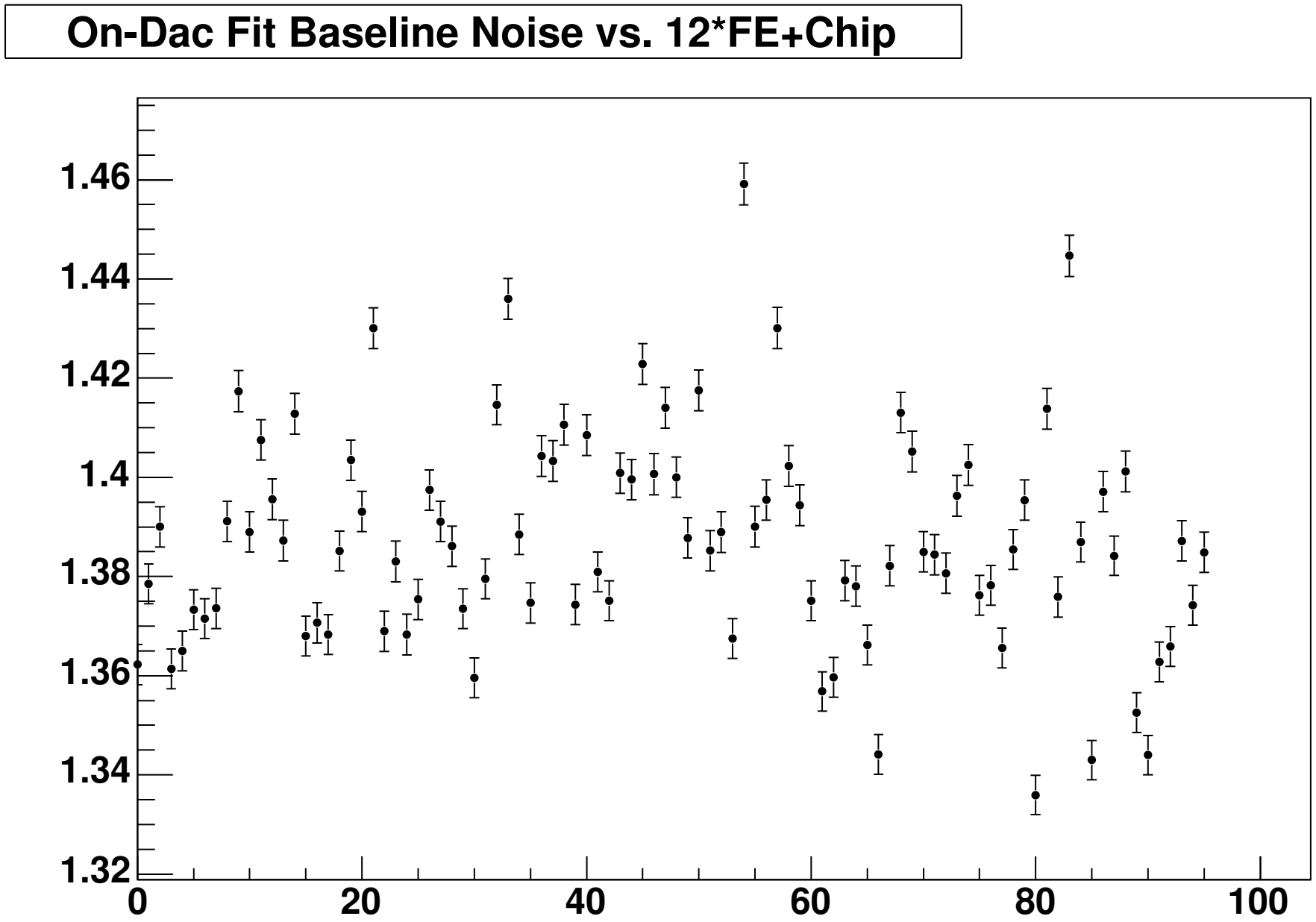

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.452
0.451
0.45
0.449
0
20
40
60
80
100

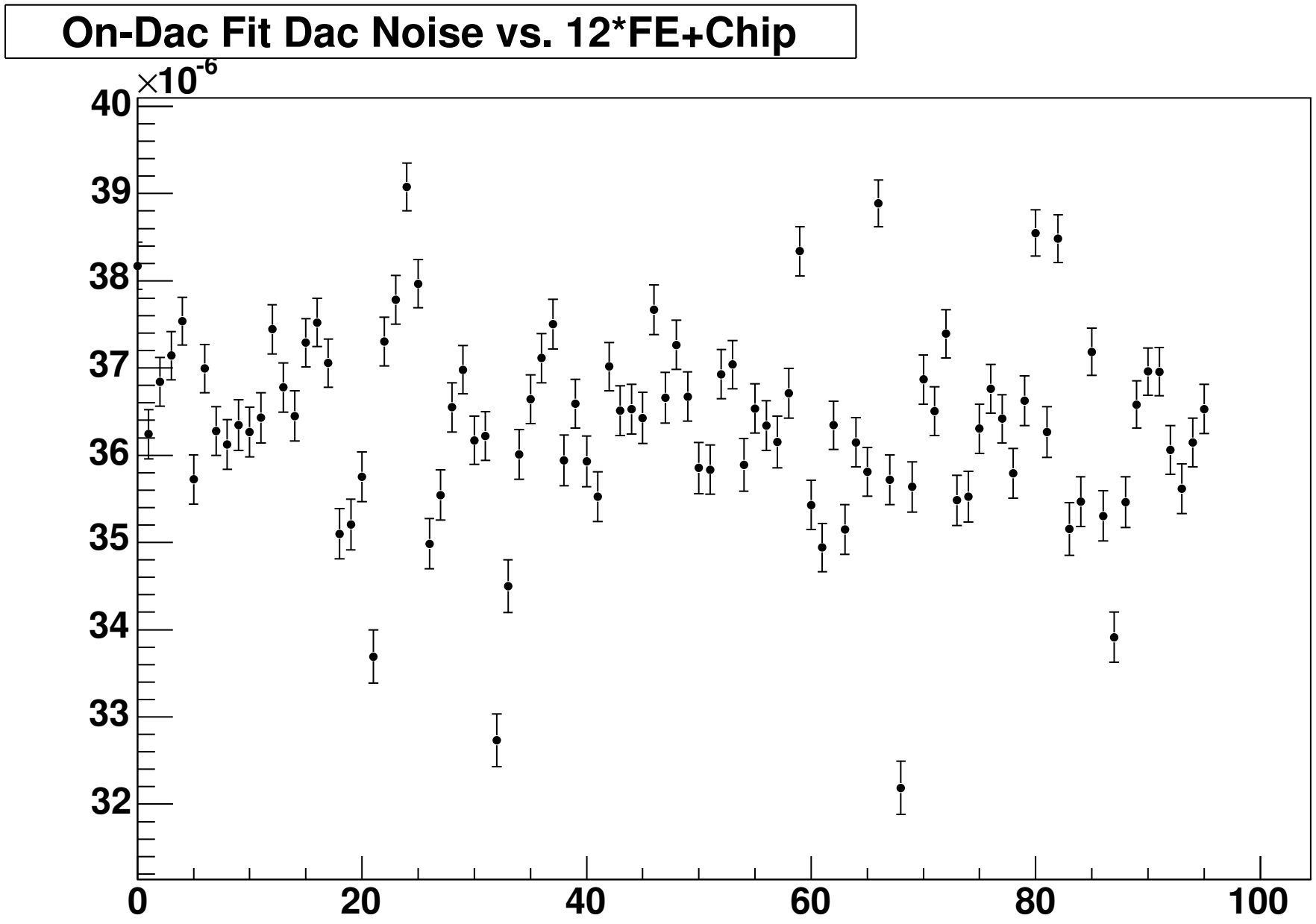

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

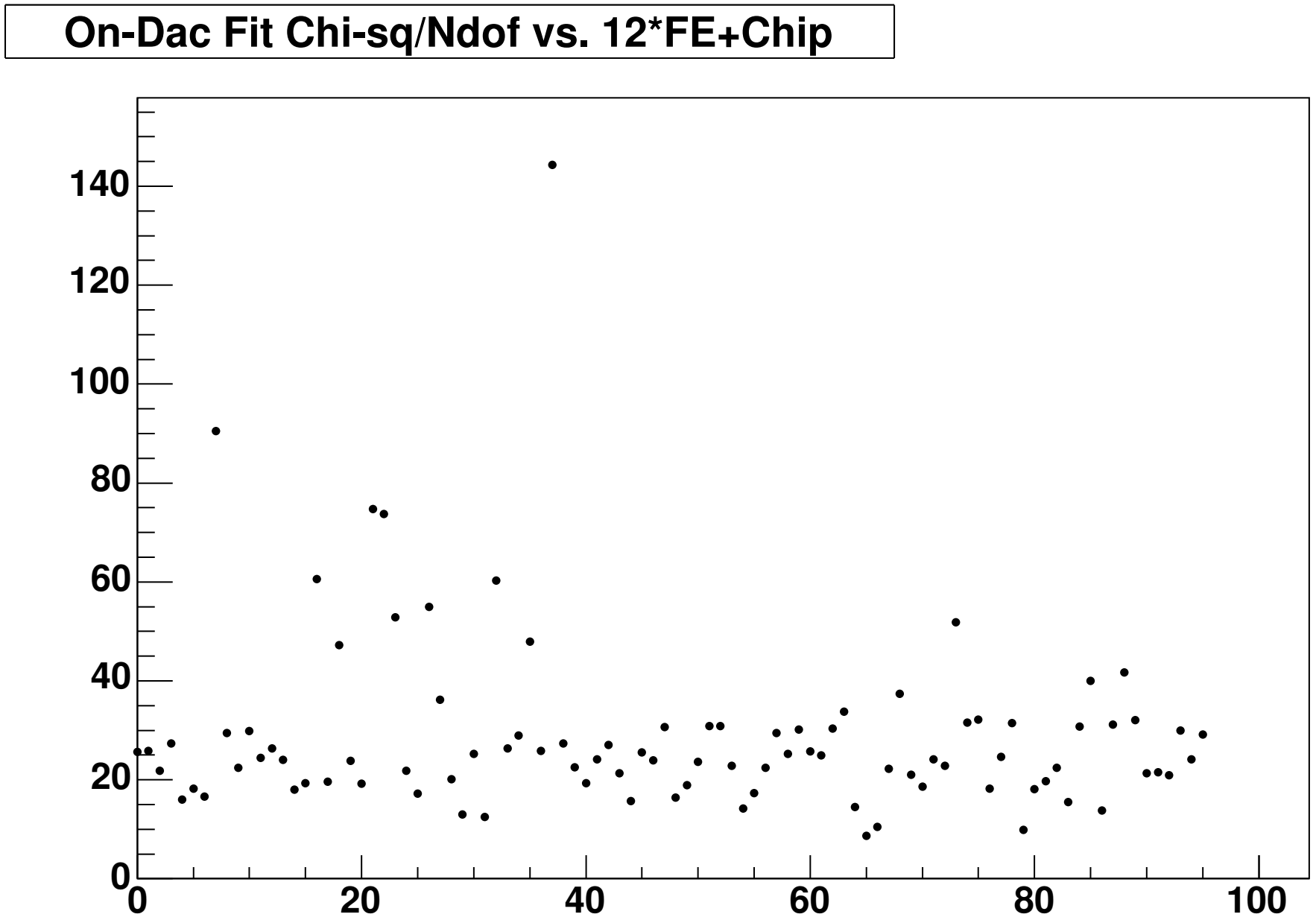

Off-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
0
20
40
60
80
100

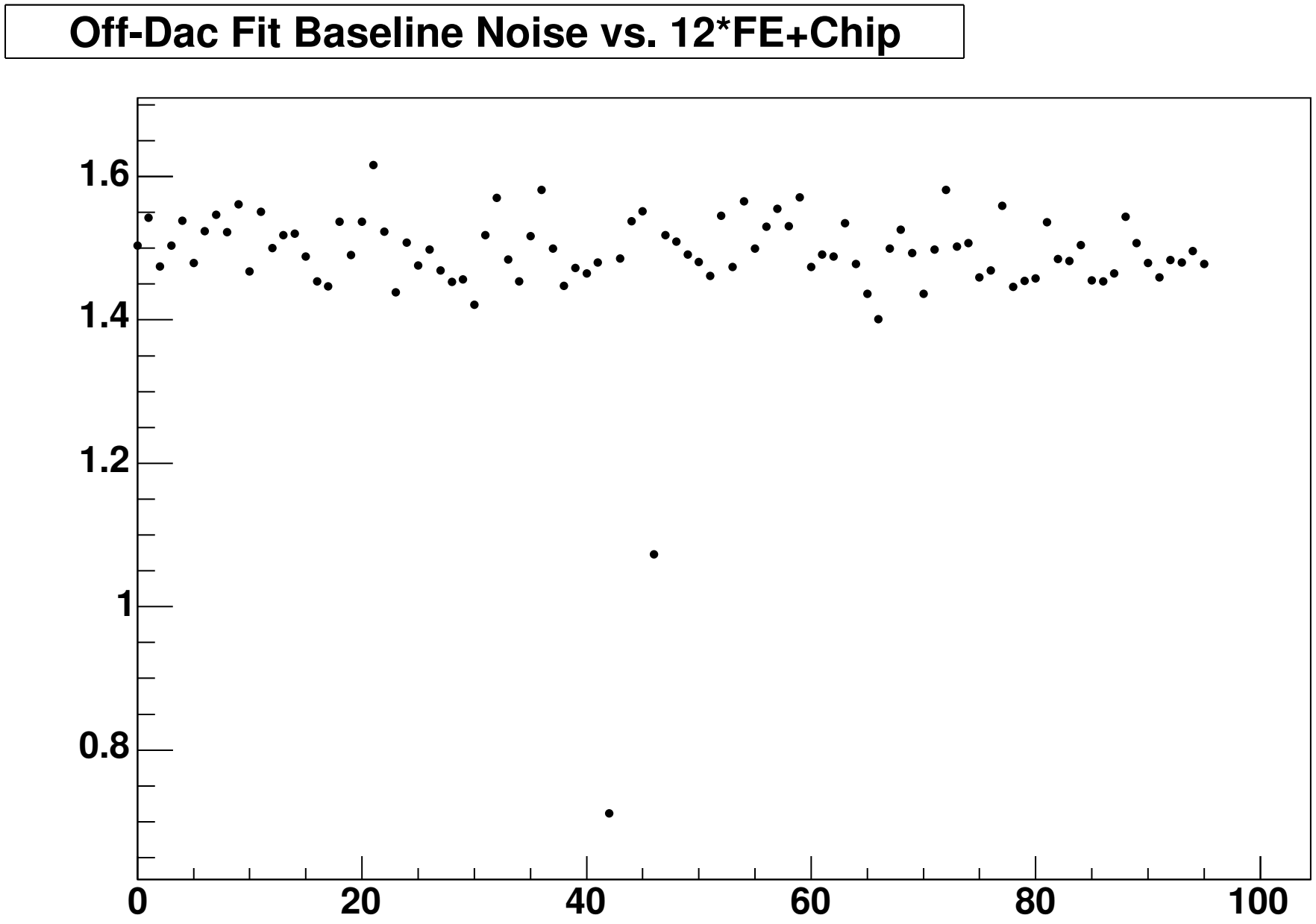

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
12
10
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100

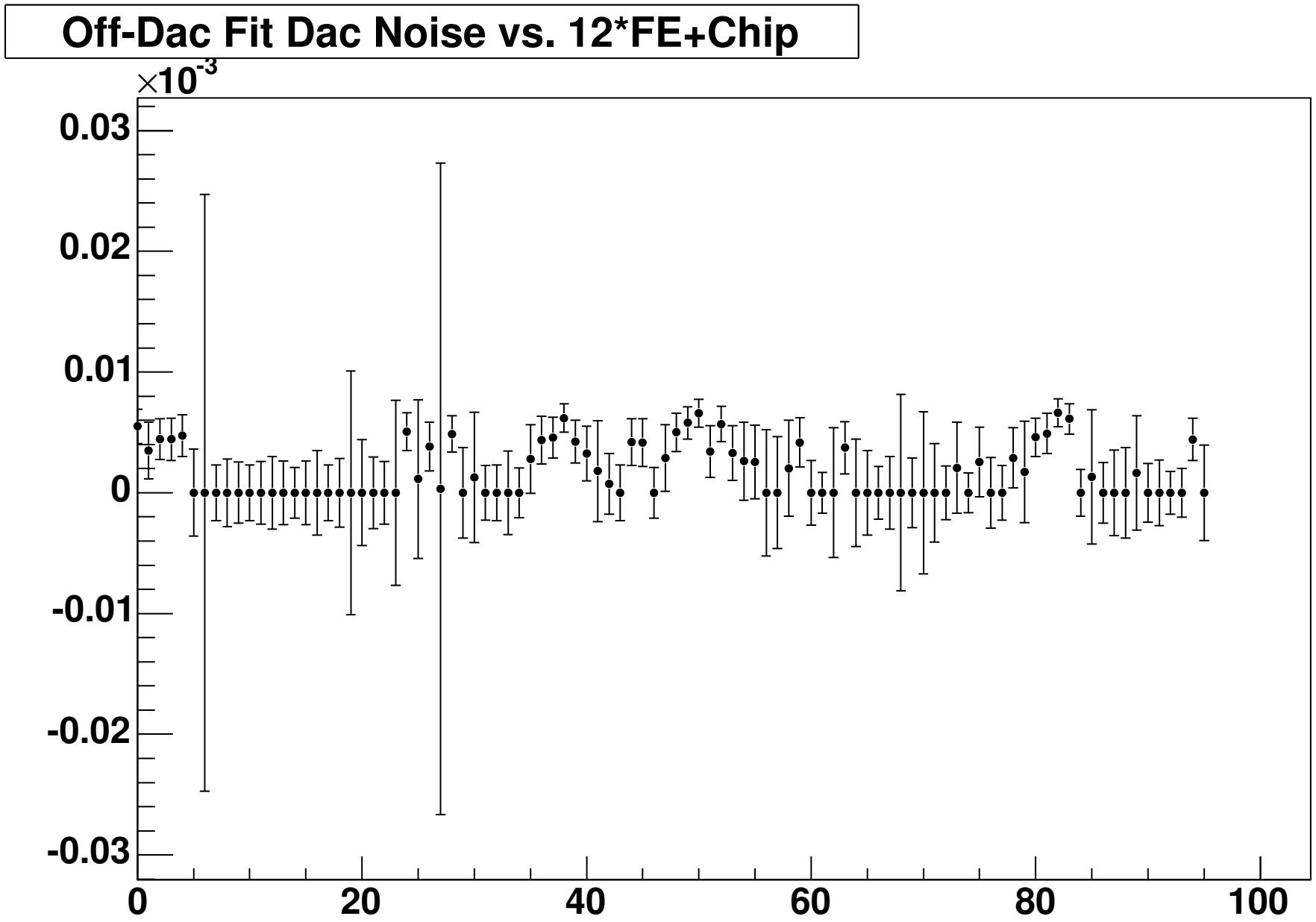

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
30
25
20
15
10
5
0
0
20
40
60
80
100

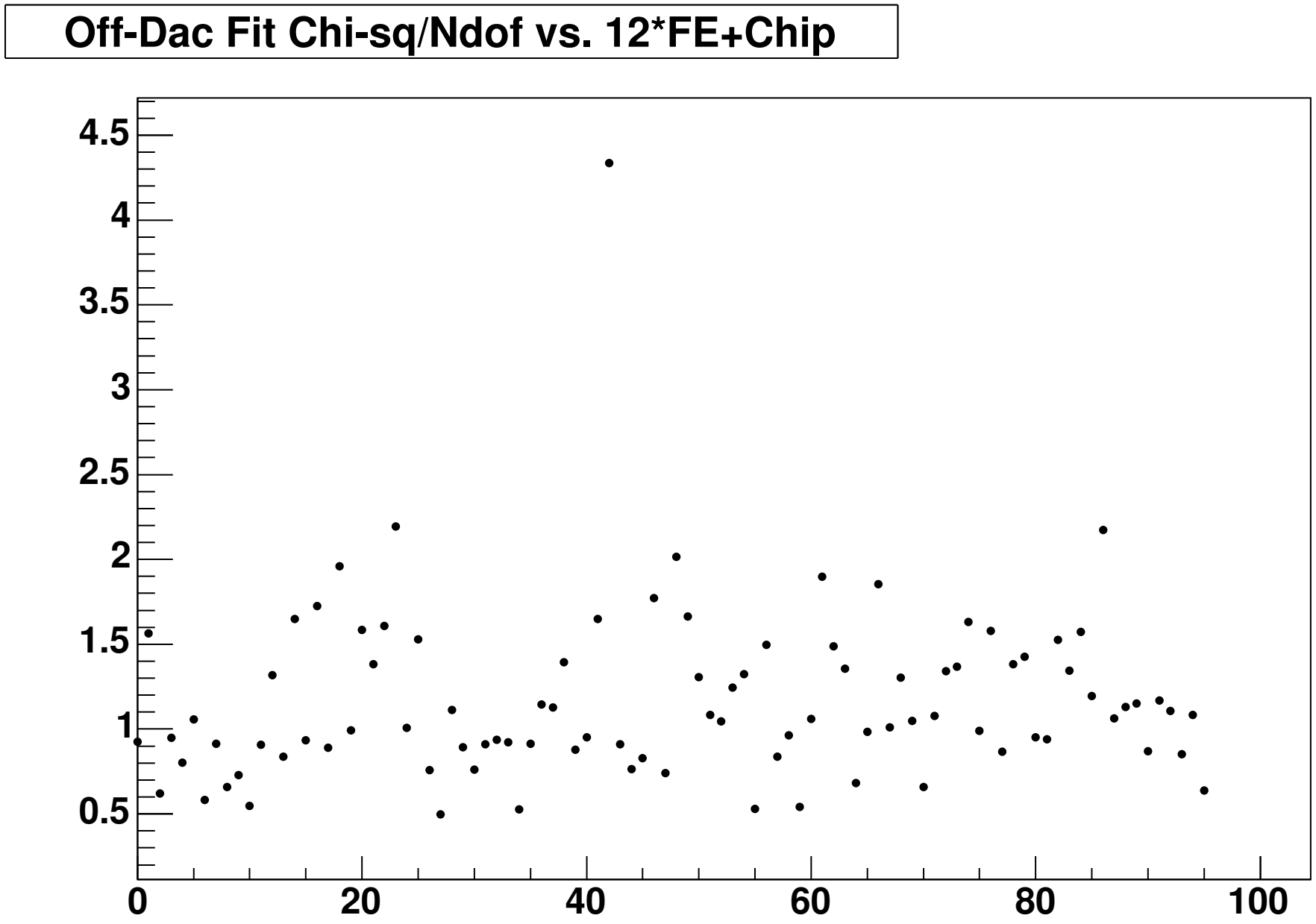

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.46
1.44
1.42
1.4
1.38
1.36
1.34
1.32
0
20
40
60
80
100

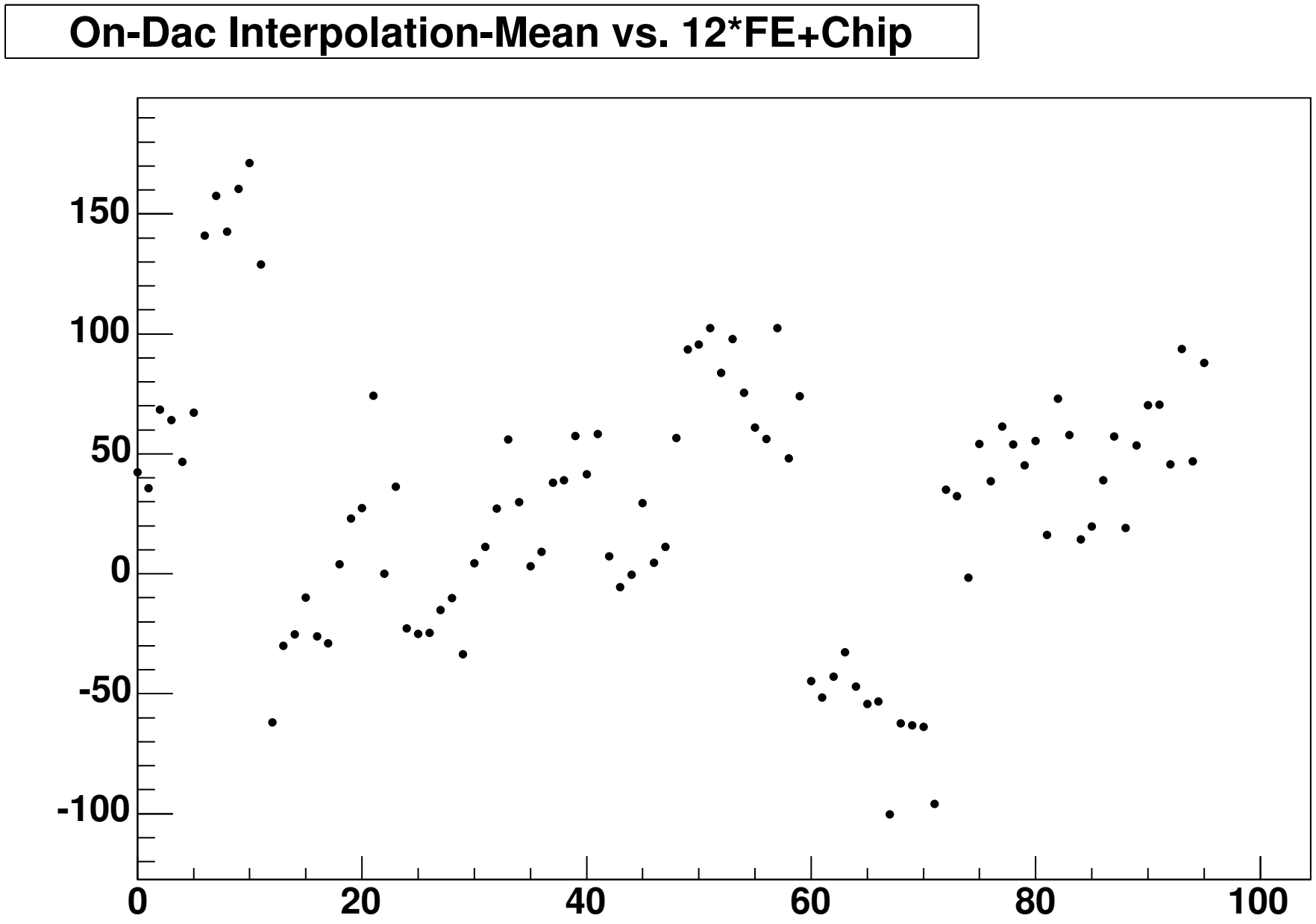

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
39
38
37
36
35
34
33
32
0
20
40
60
80
100

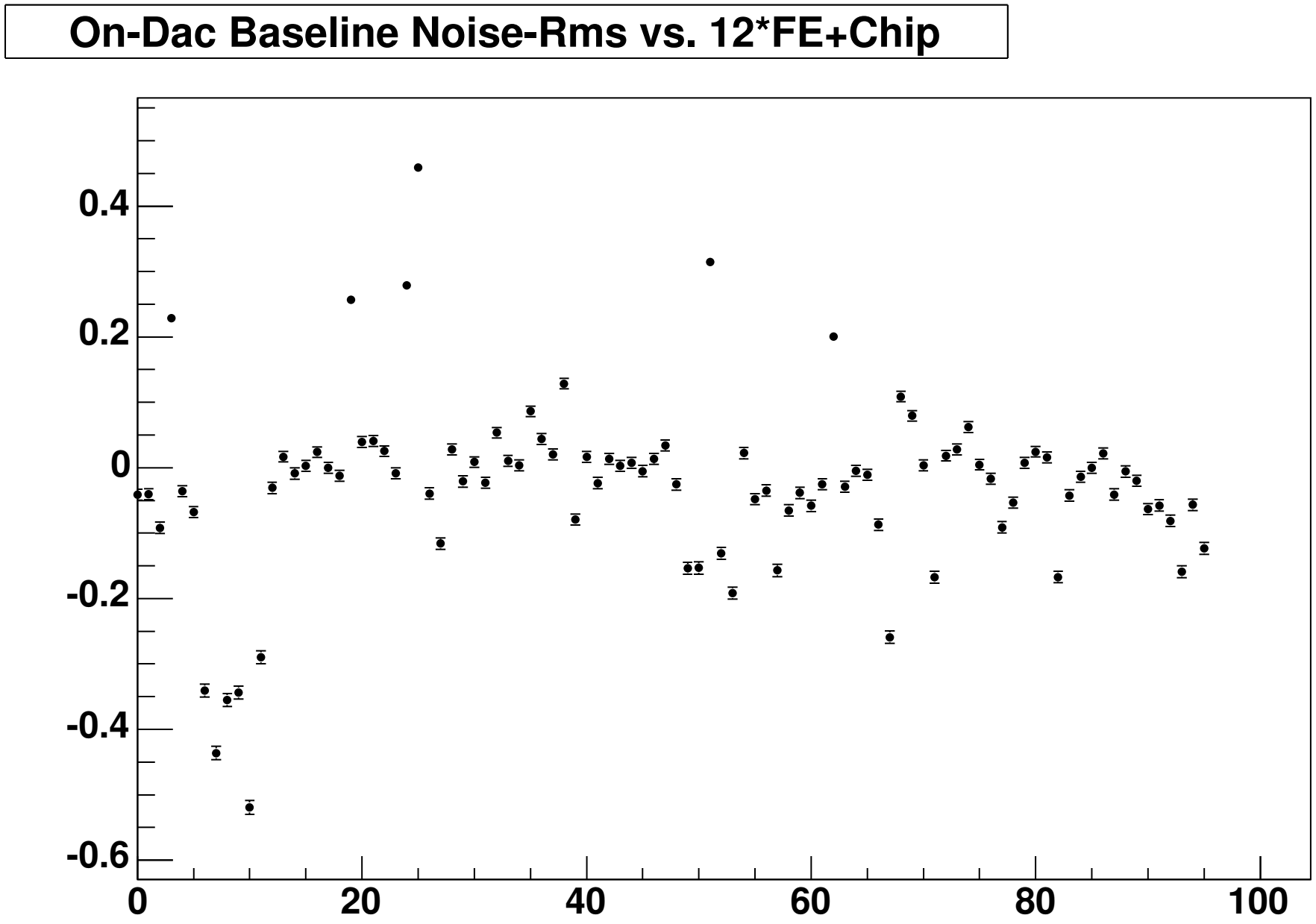

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
140
120
100
80
60
40
20
0
0
20
40
60
80
100

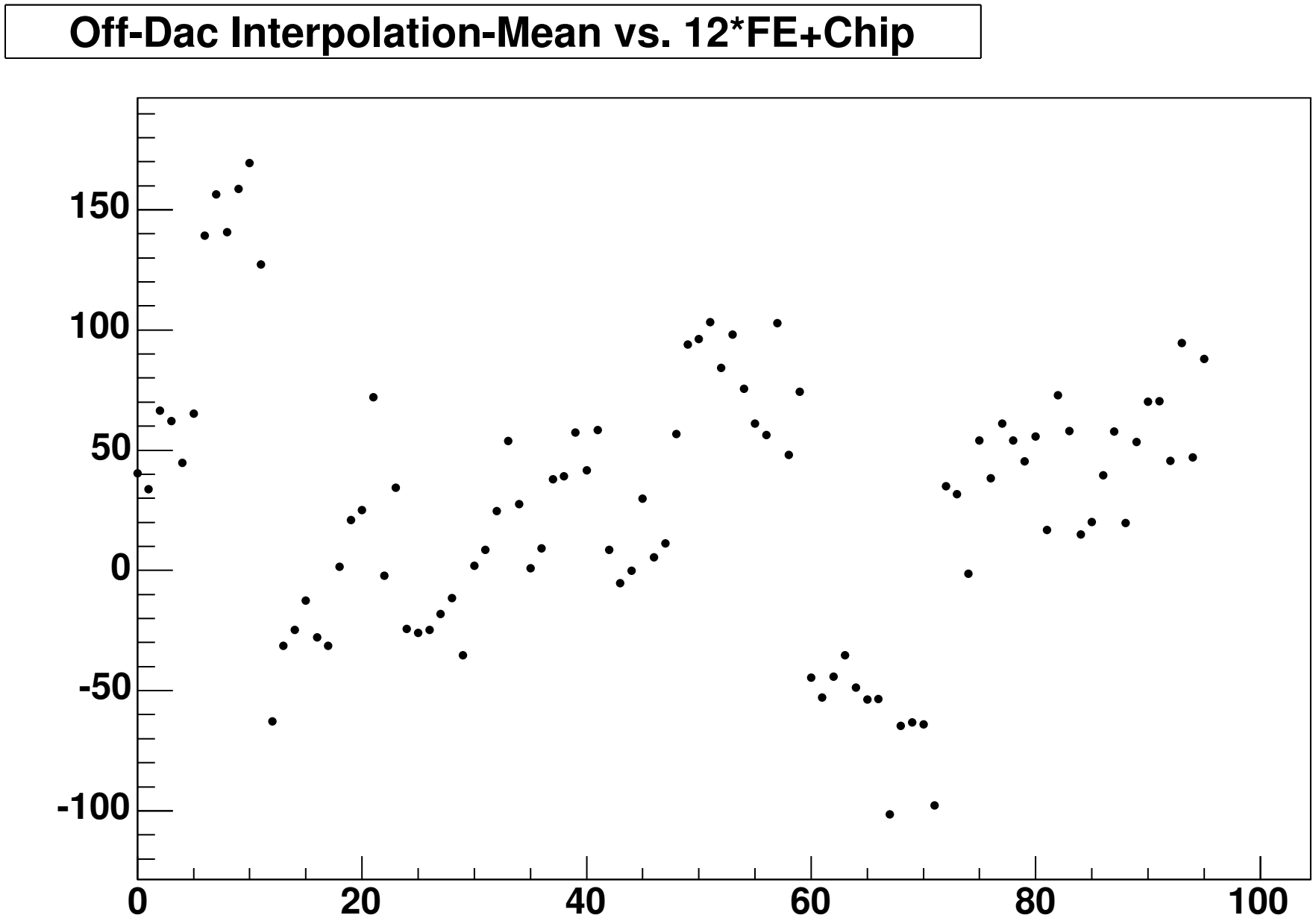

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

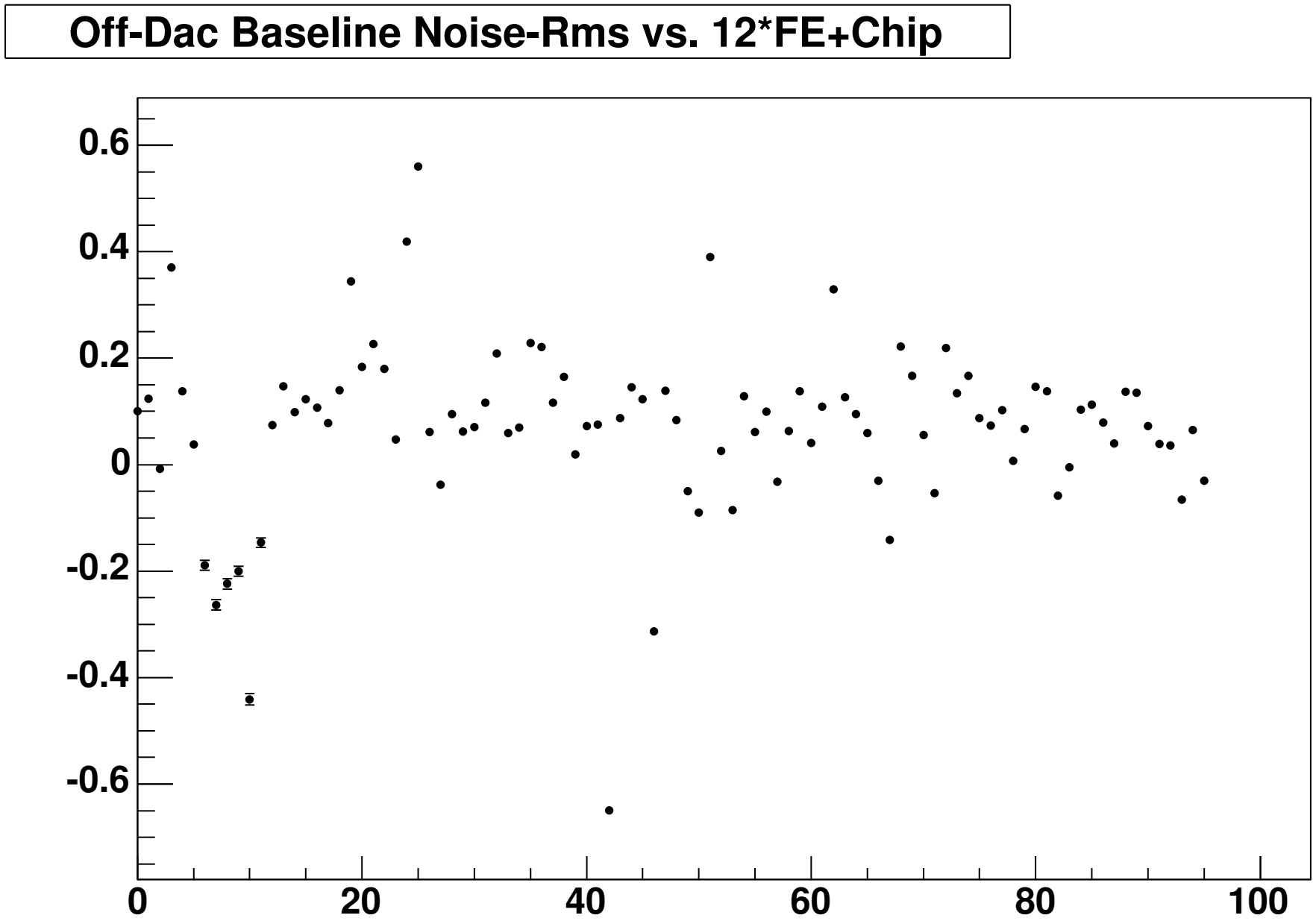

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100


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


Off-Dac Interpolation-Mean vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100


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