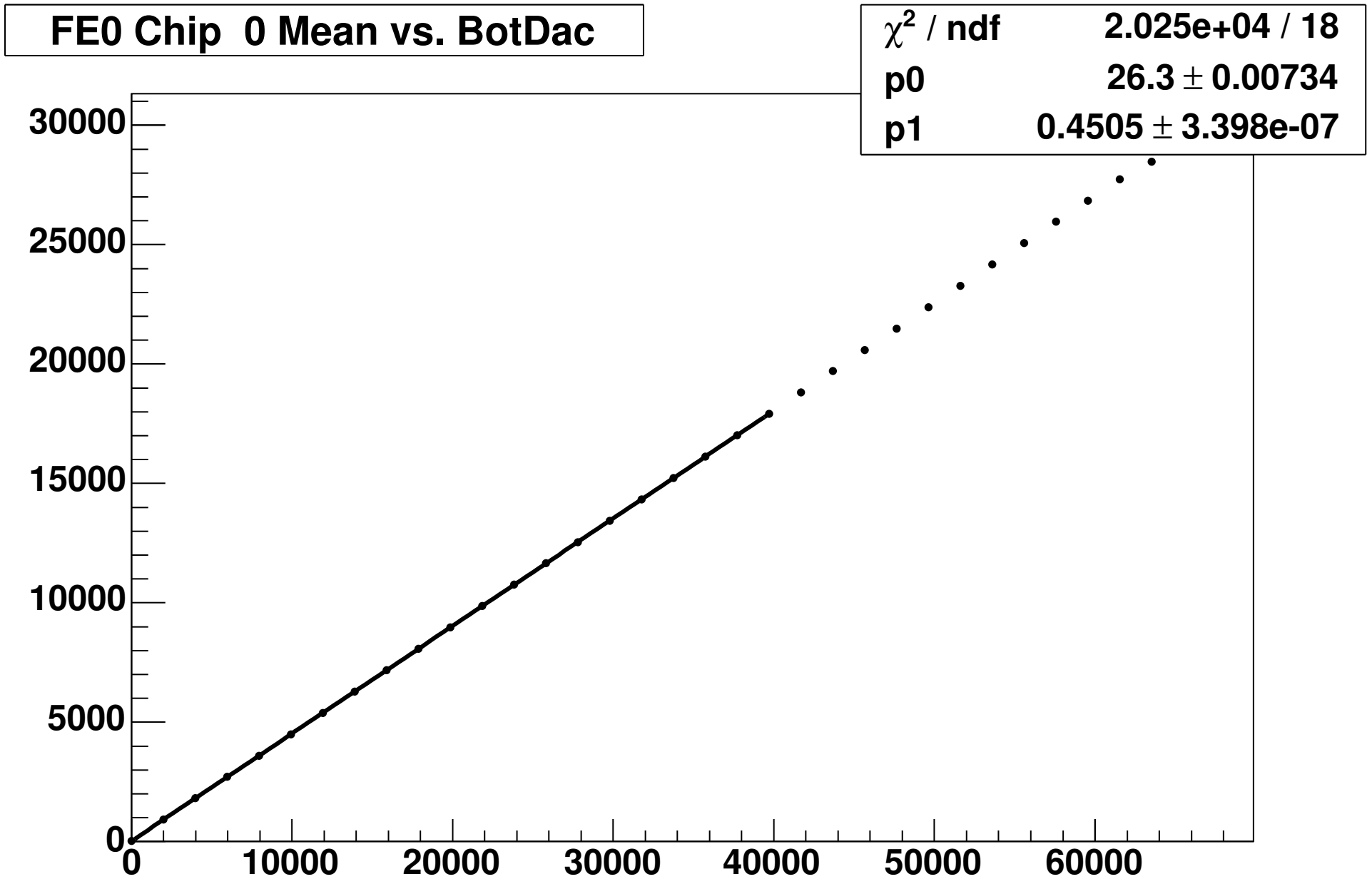
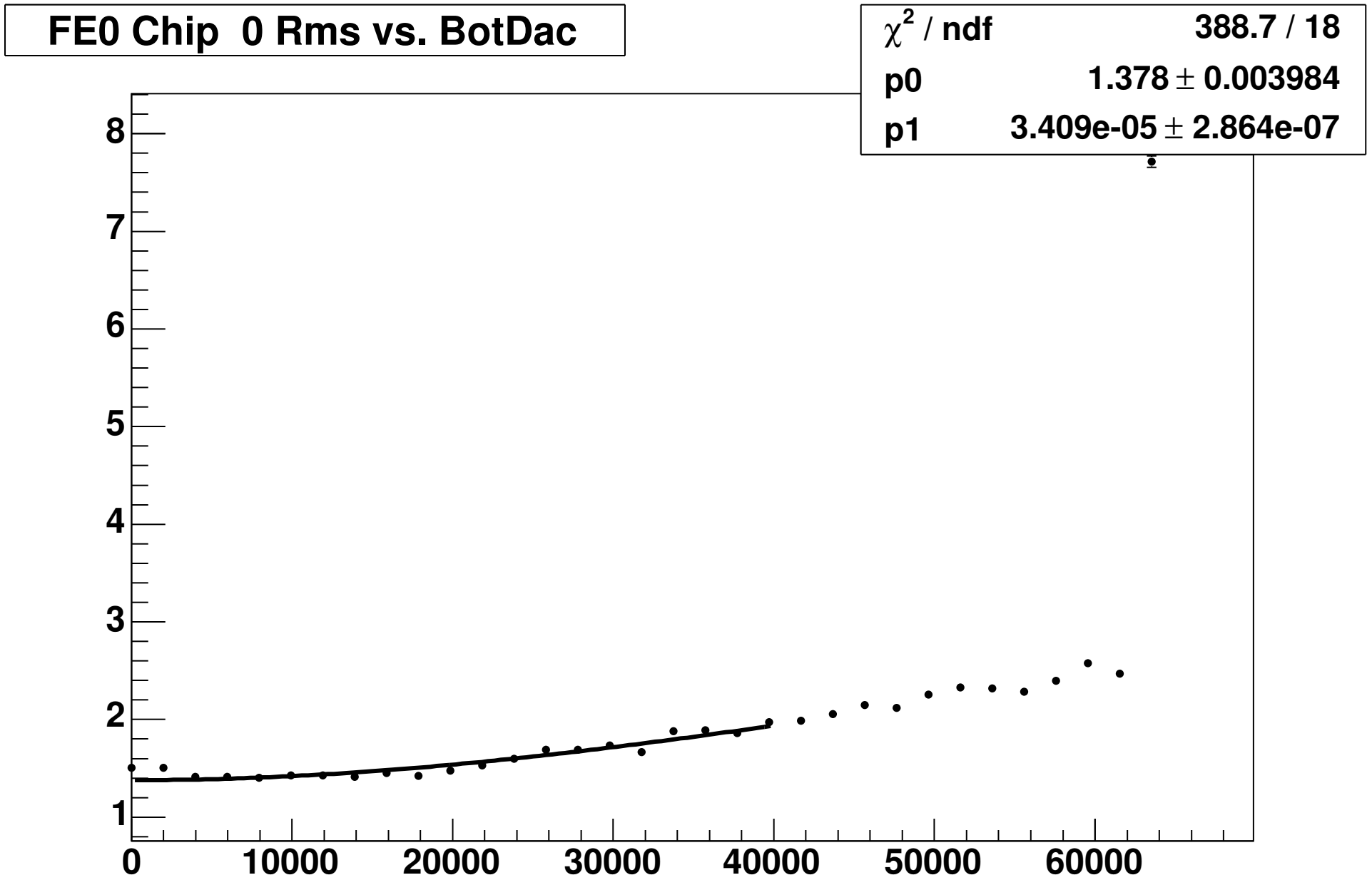
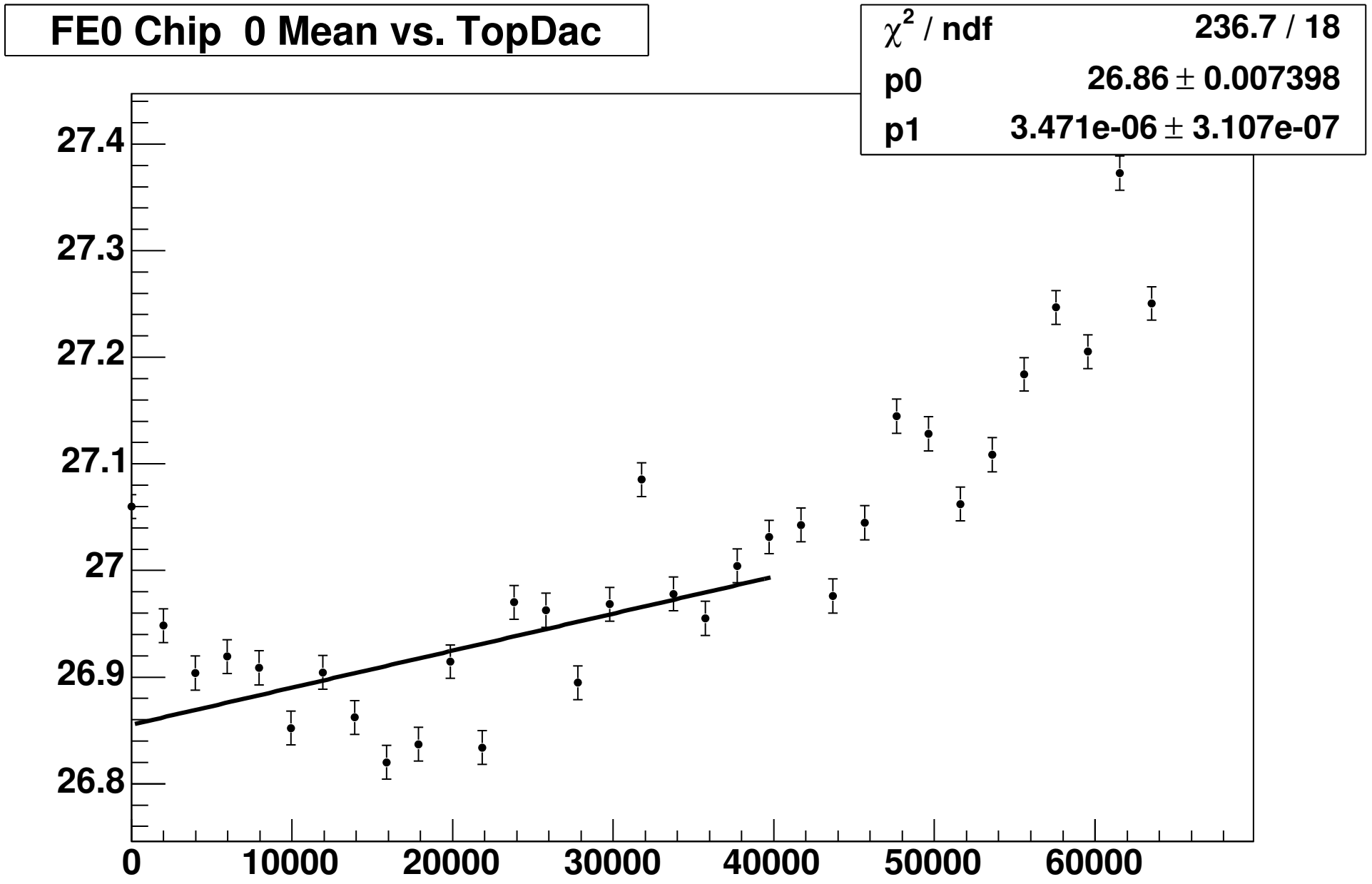
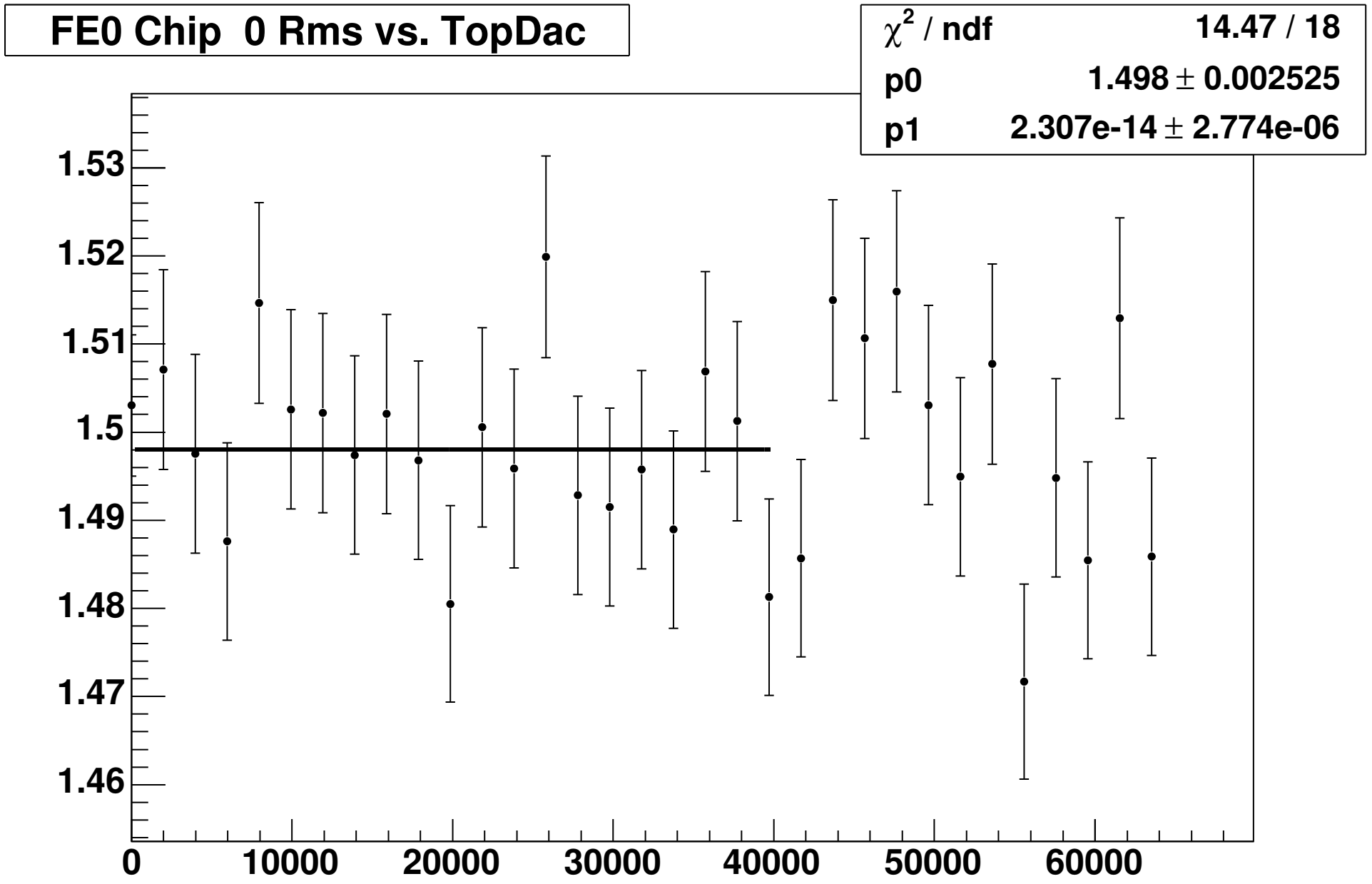
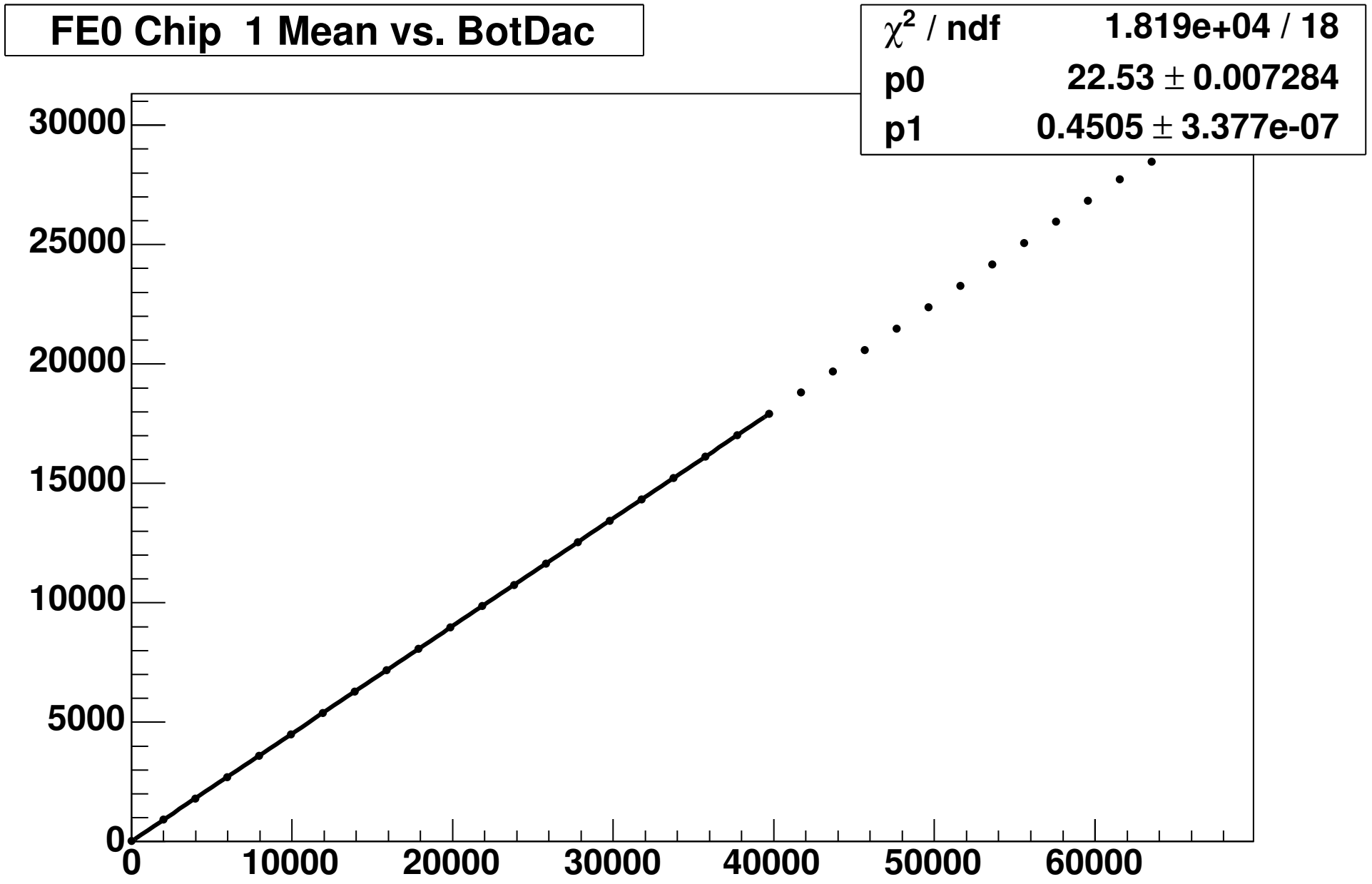
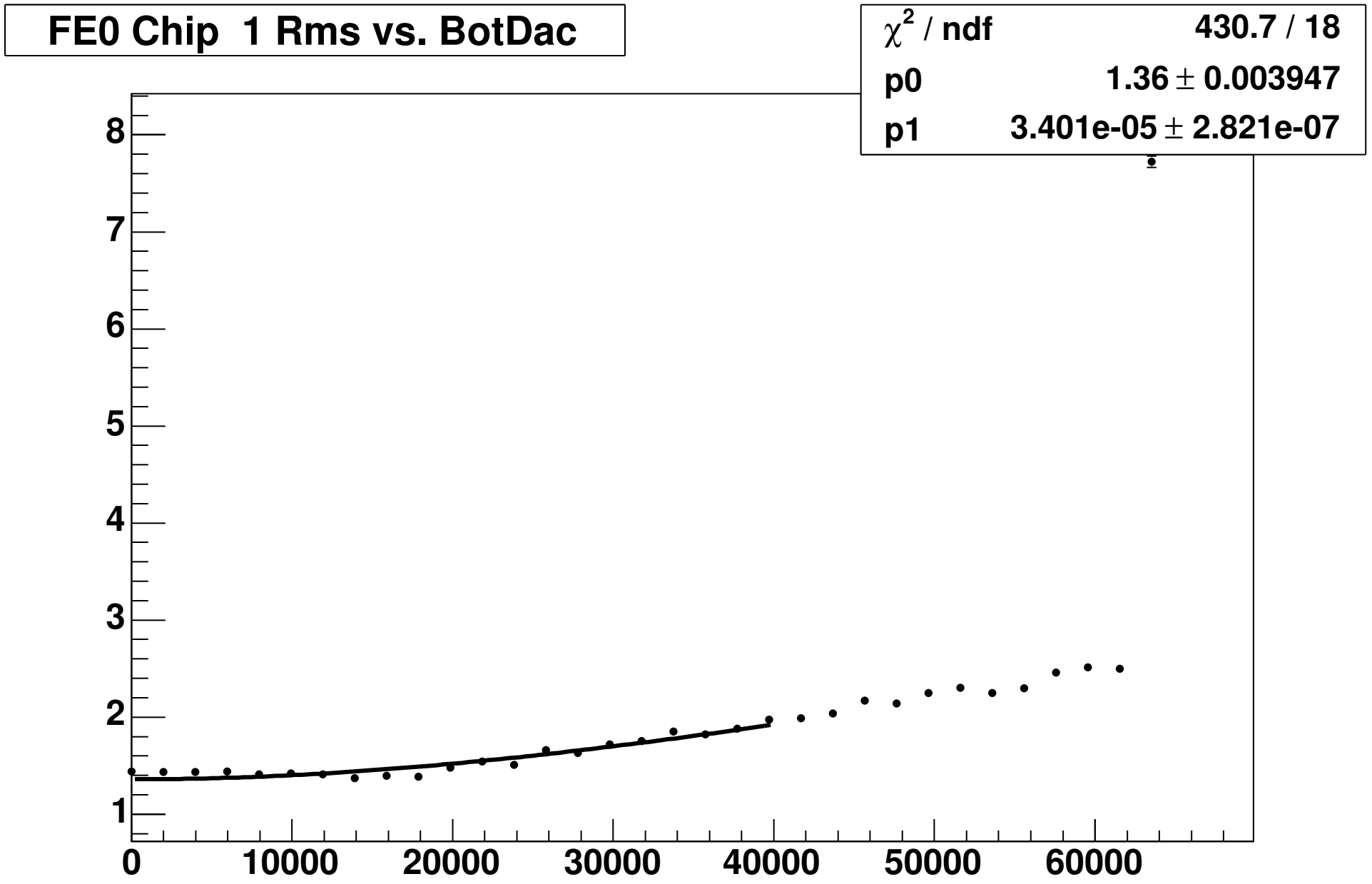

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 2.025e+04 / 18
p0 26.3 ± 0.00734
p1 0.4505 ± 3.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

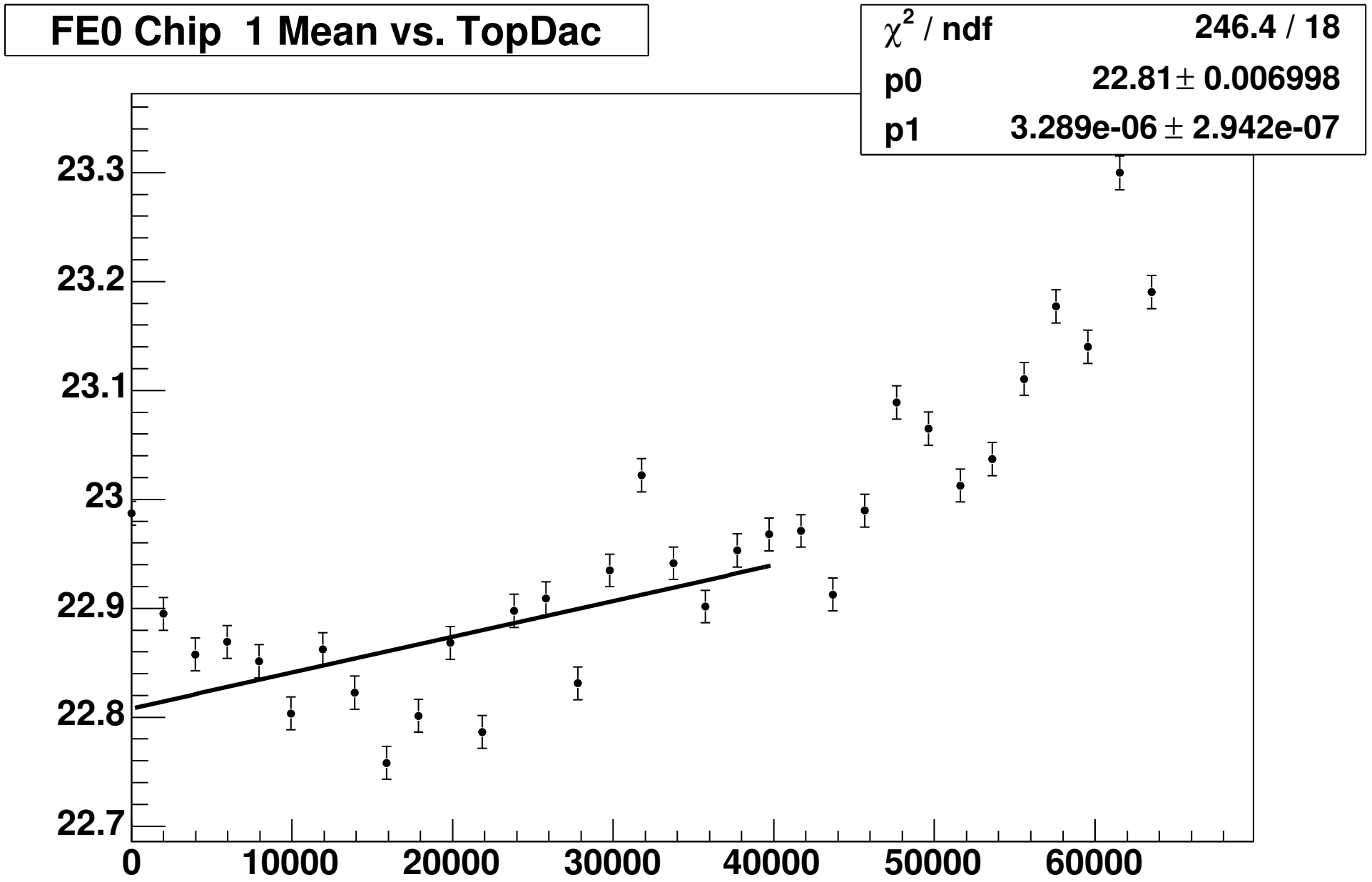

FE0 Chip 0 Rms vs. BotDac
χ² / ndf 388.7 / 18
p0 1.378 ± 0.003984
p1 3.409e-05 ± 2.864e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

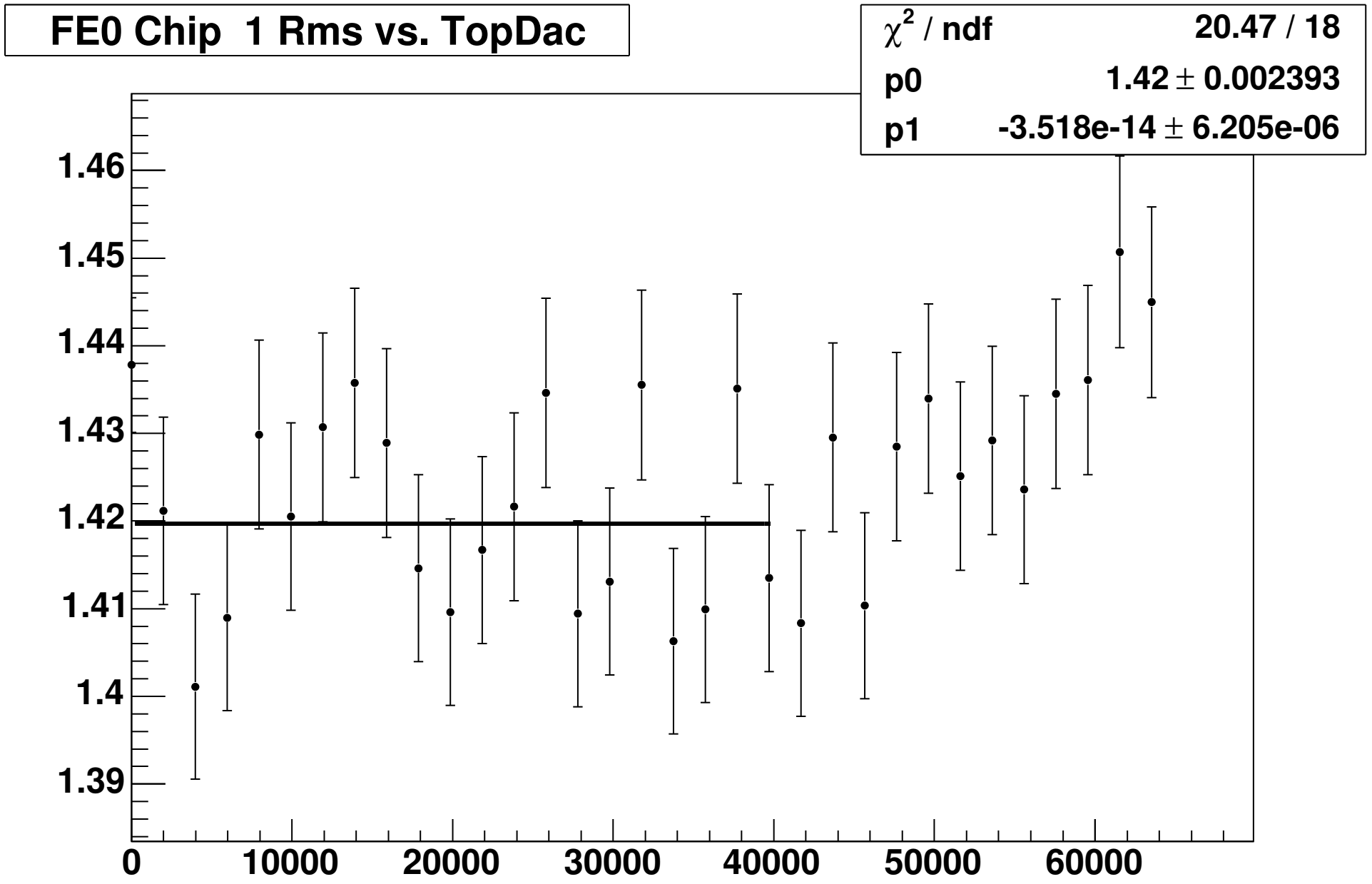

FE0 Chip 0 Mean vs. TopDac
χ² / ndf 236.7 / 18
p0 26.86 ± 0.007398
p1 3.471e-06 ± 3.107e-07
27.4
27.3
27.2
27.1
27
26.9
26.8
0
10000
20000
30000
40000
50000
60000

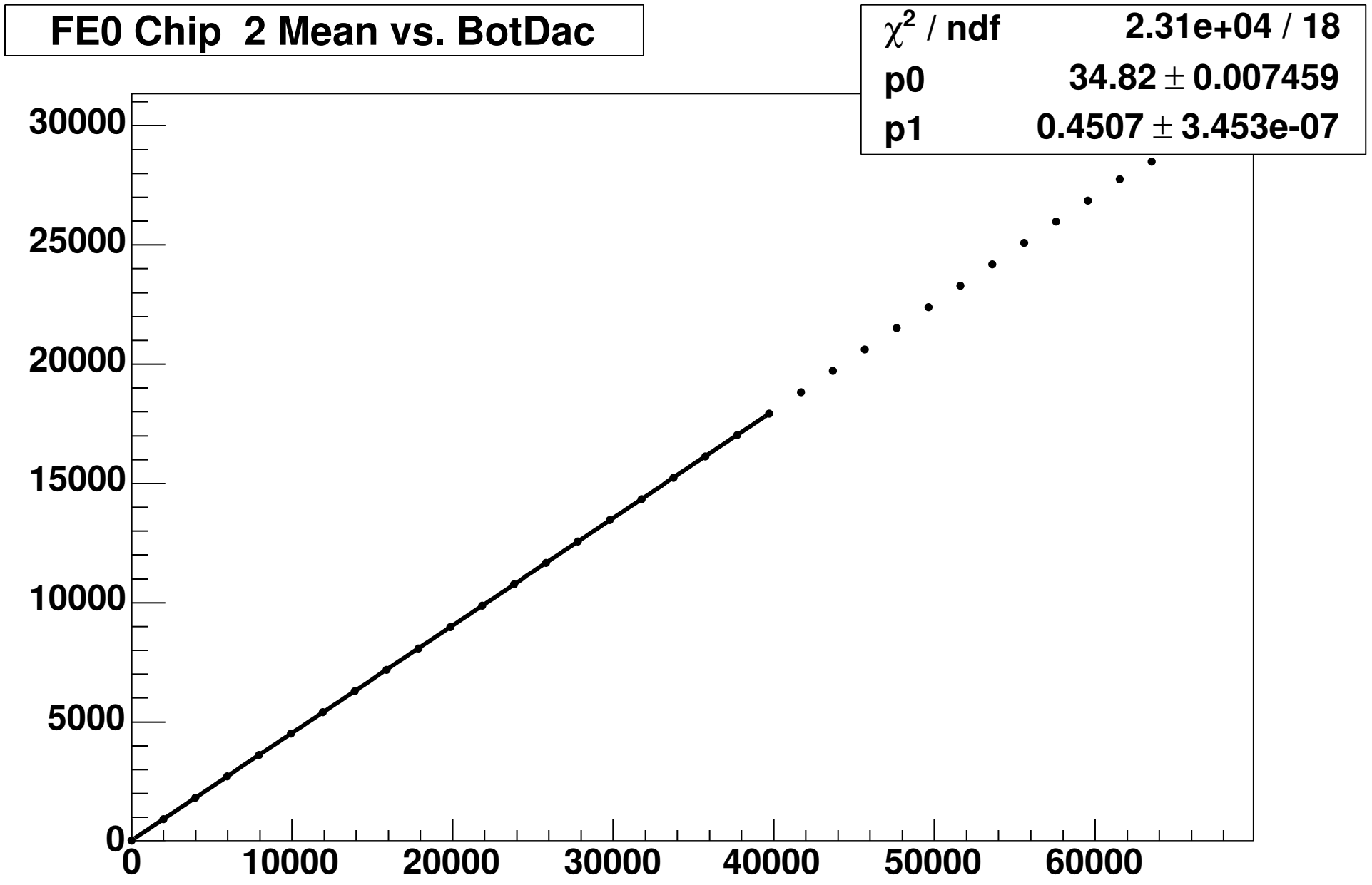

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 14.47 / 18
p0 1.498 ± 0.002525
p1 2.307e-14 ± 2.774e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

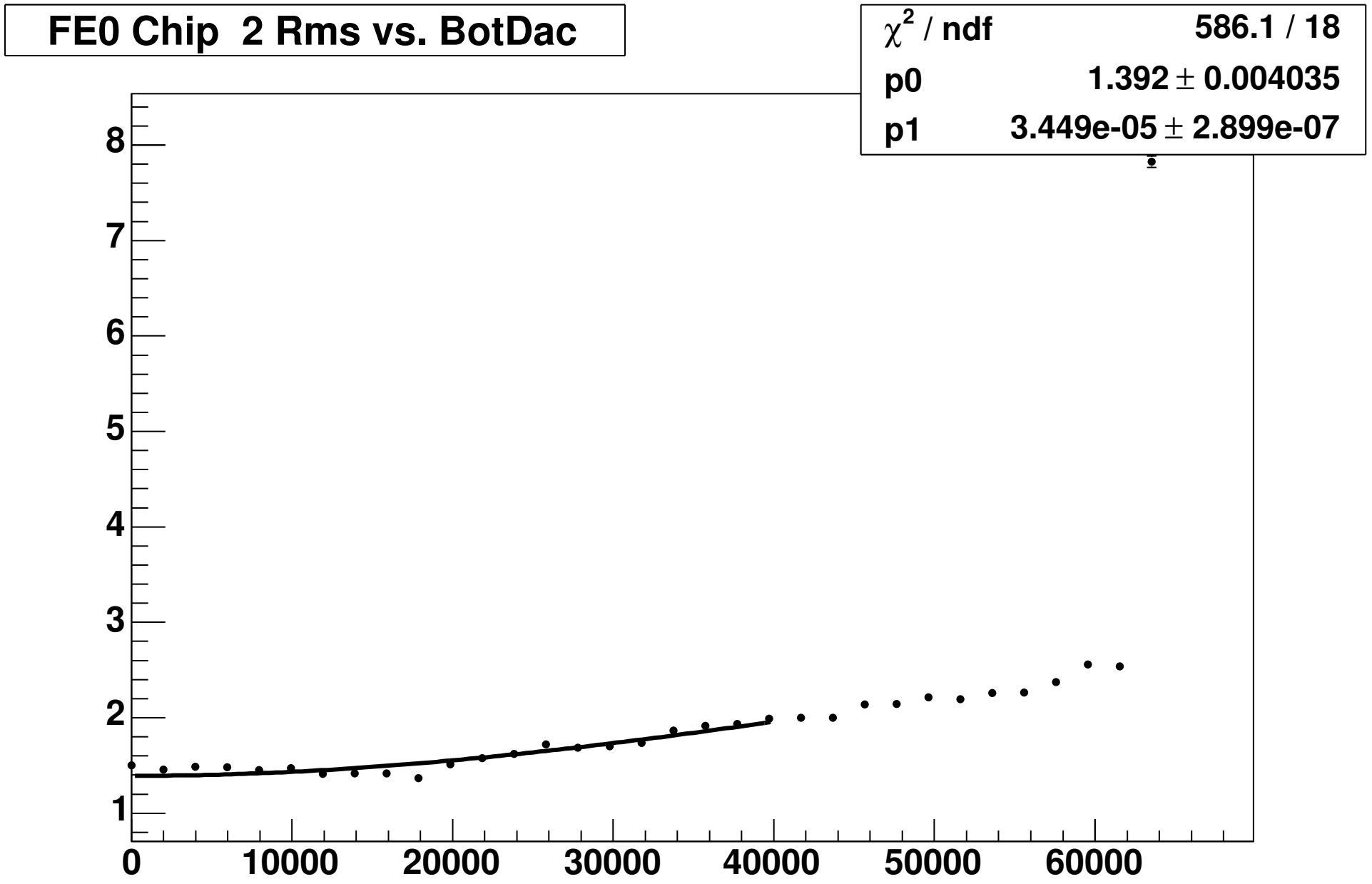

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.819e+04 / 18
p0 22.53 ± 0.007284
p1 0.4505 ± 3.377e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

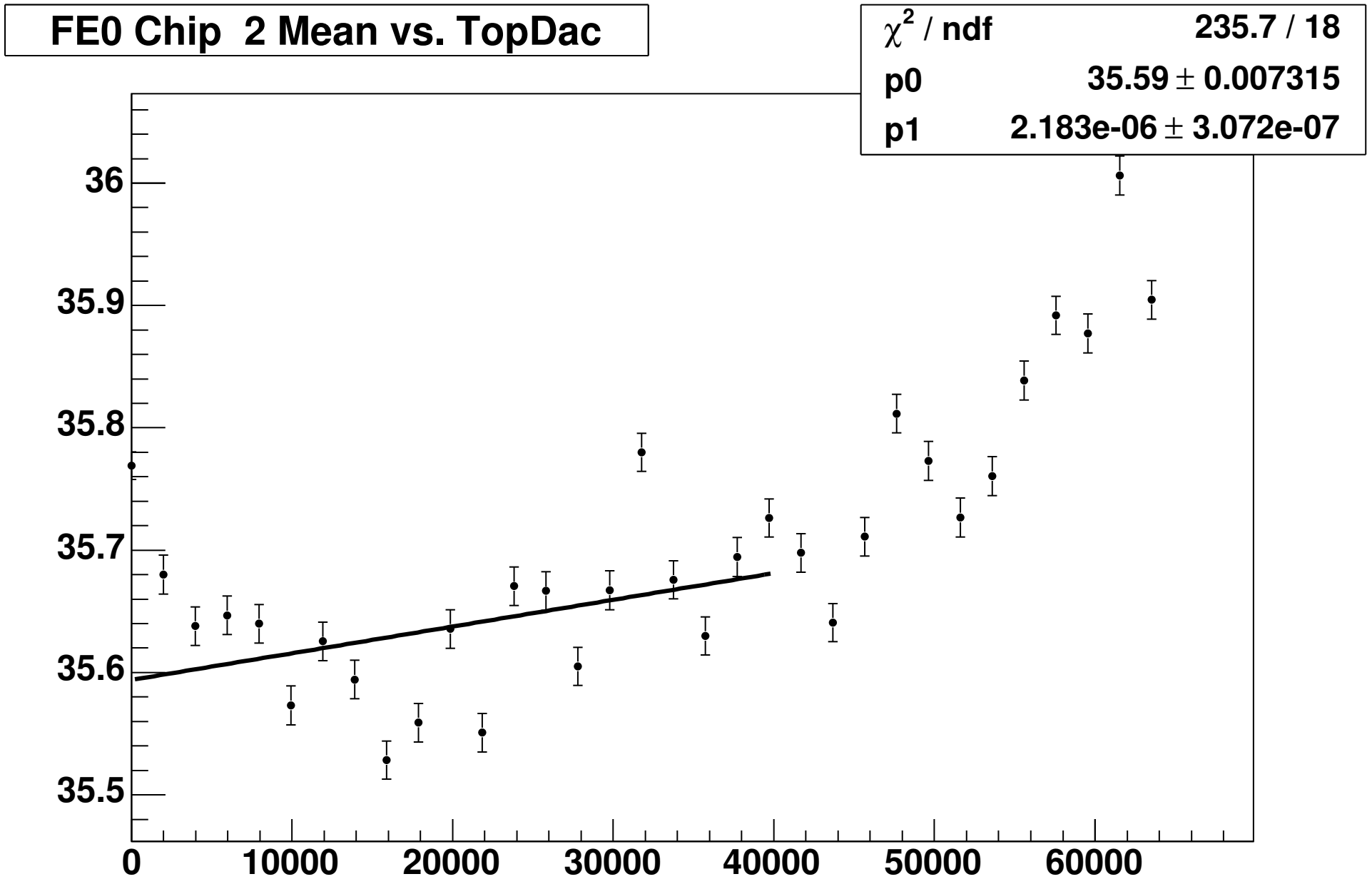

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 430.7 / 18
p0 1.36 ± 0.003947
p1 3.401e-05 ± 2.821e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

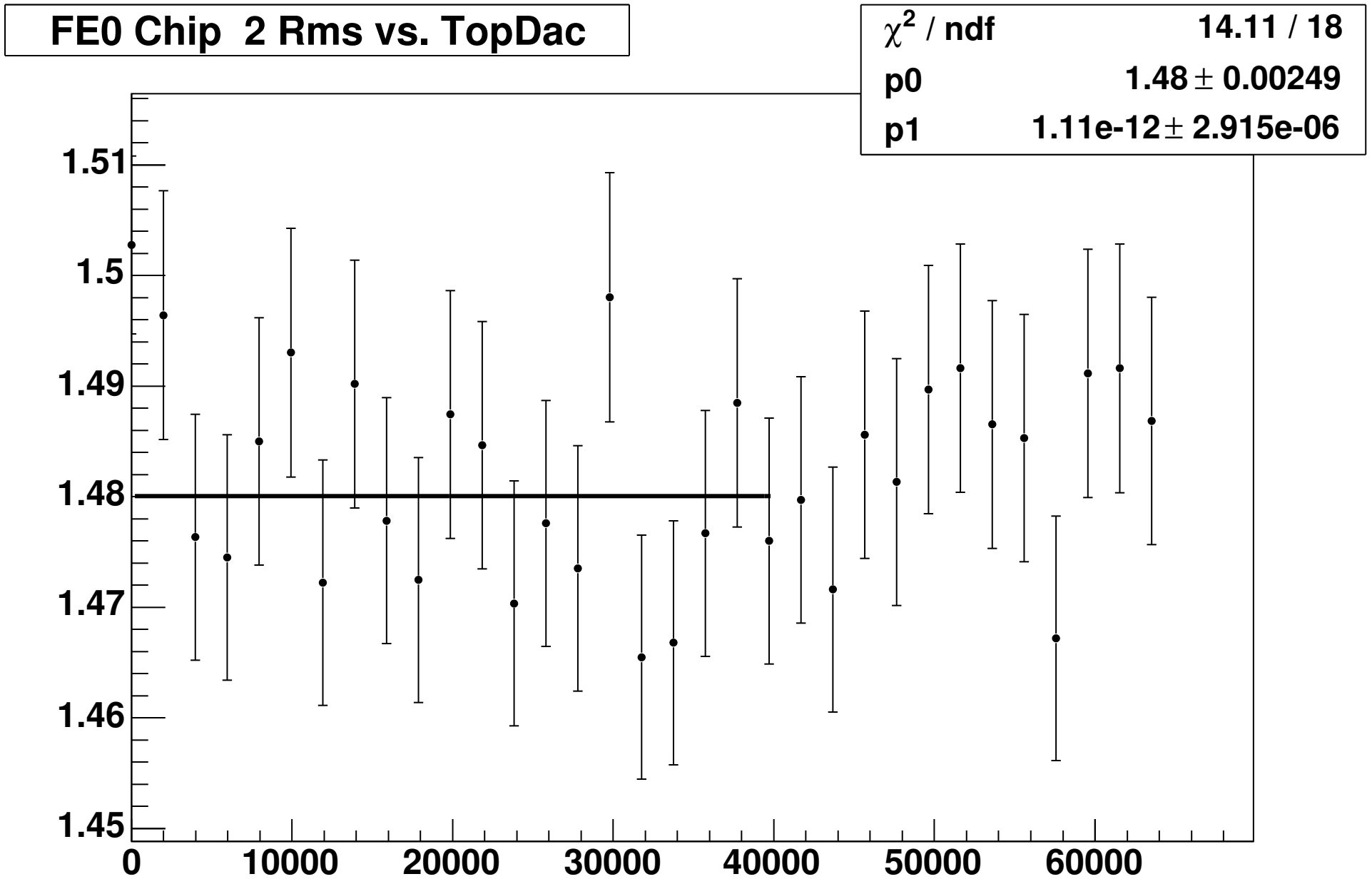

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 246.4 / 18
p0 22.81 ± 0.006998
p1 3.289e-06 ± 2.942e-07
23.3
23.2
23.1
23
22.9
22.8
22.7
0
10000
20000
30000
40000
50000
60000

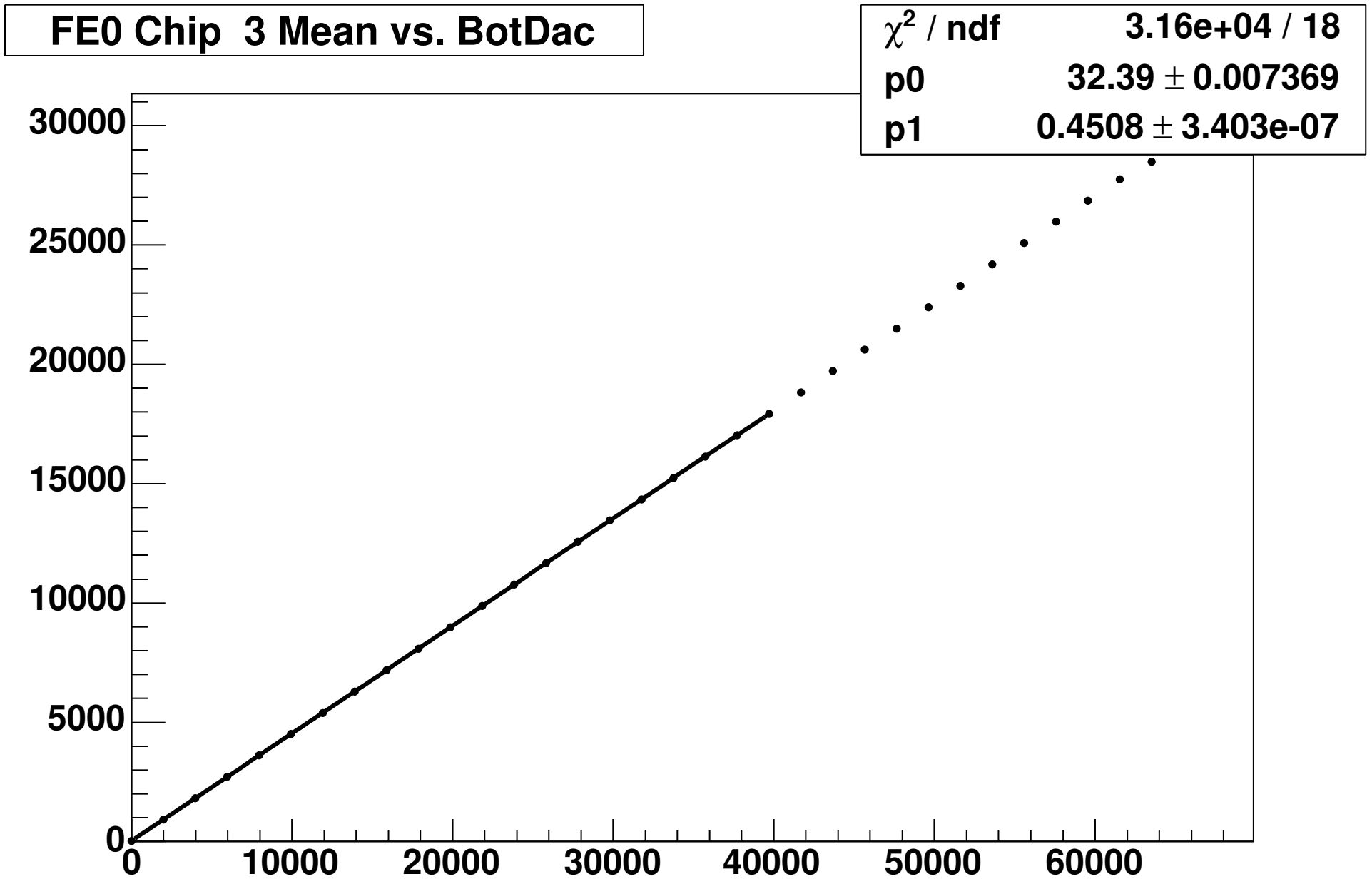

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 20.47 / 18
p0 1.42 ± 0.002393
p1 -3.518e-14 ± 6.205e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000

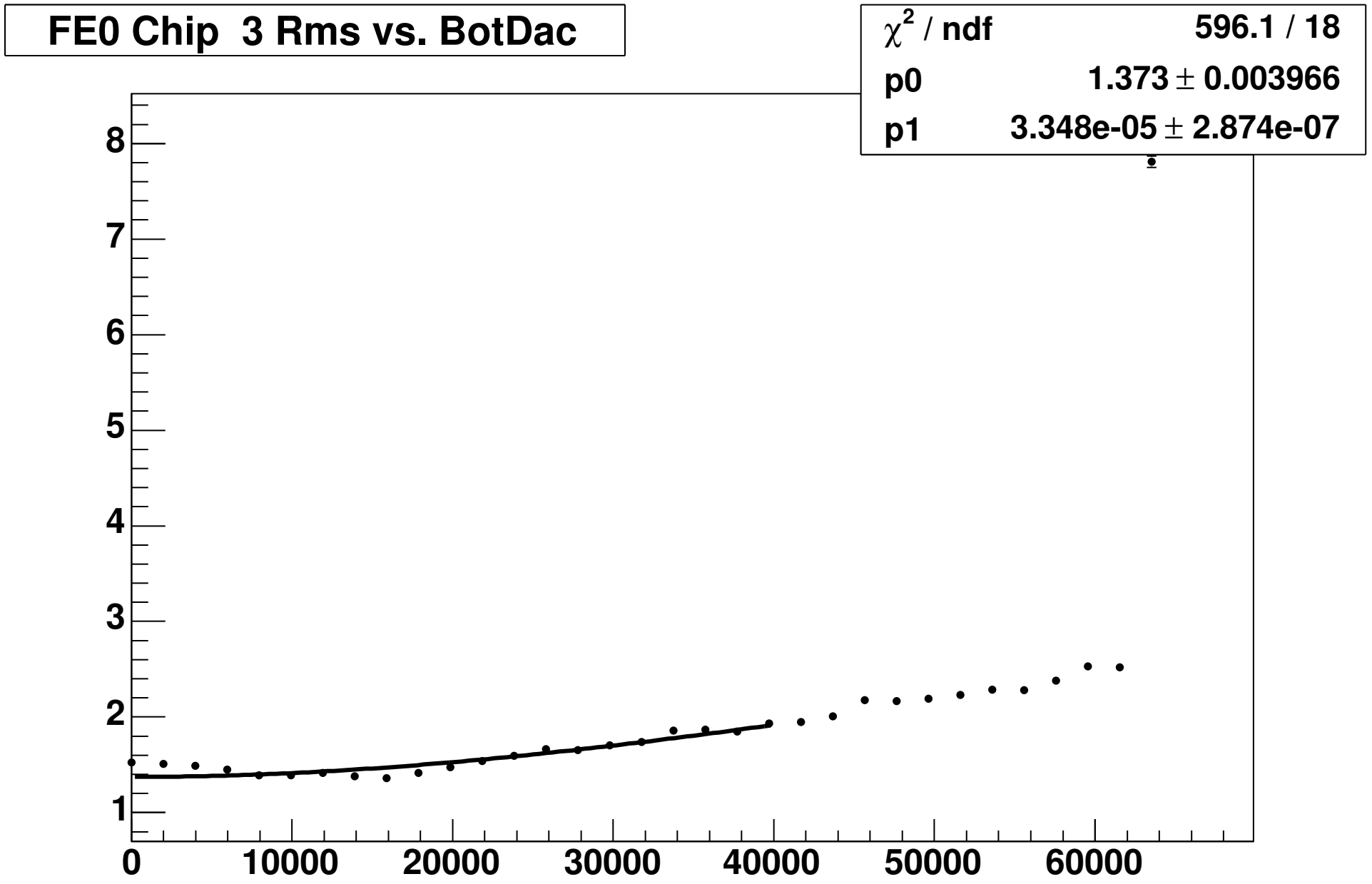

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 2.31e+04 / 18
p0 34.82 ± 0.007459
p1 0.4507 ± 3.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

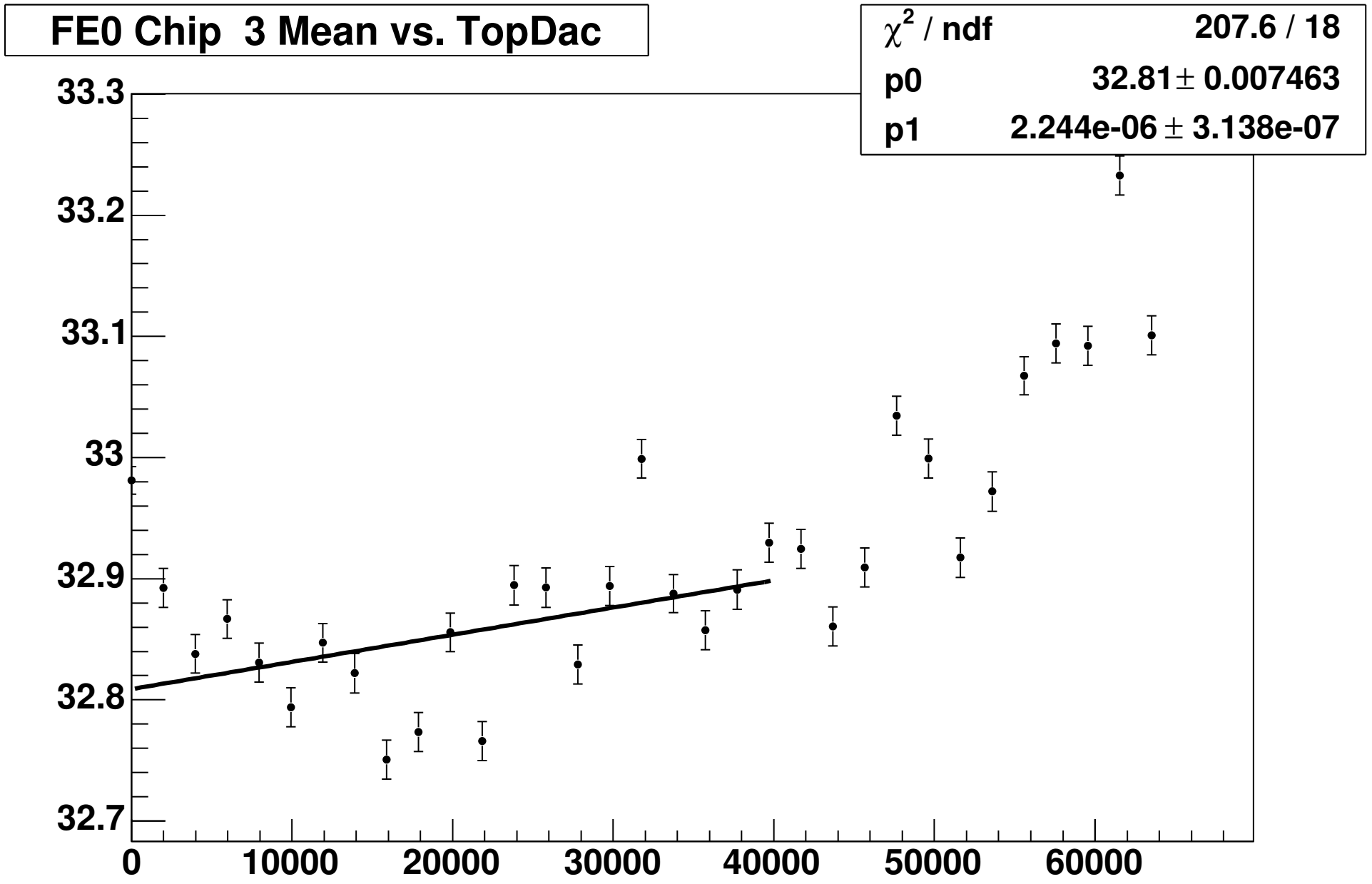

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 586.1 / 18
p0 1.392 ± 0.004035
p1 3.449e-05 ± 2.899e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

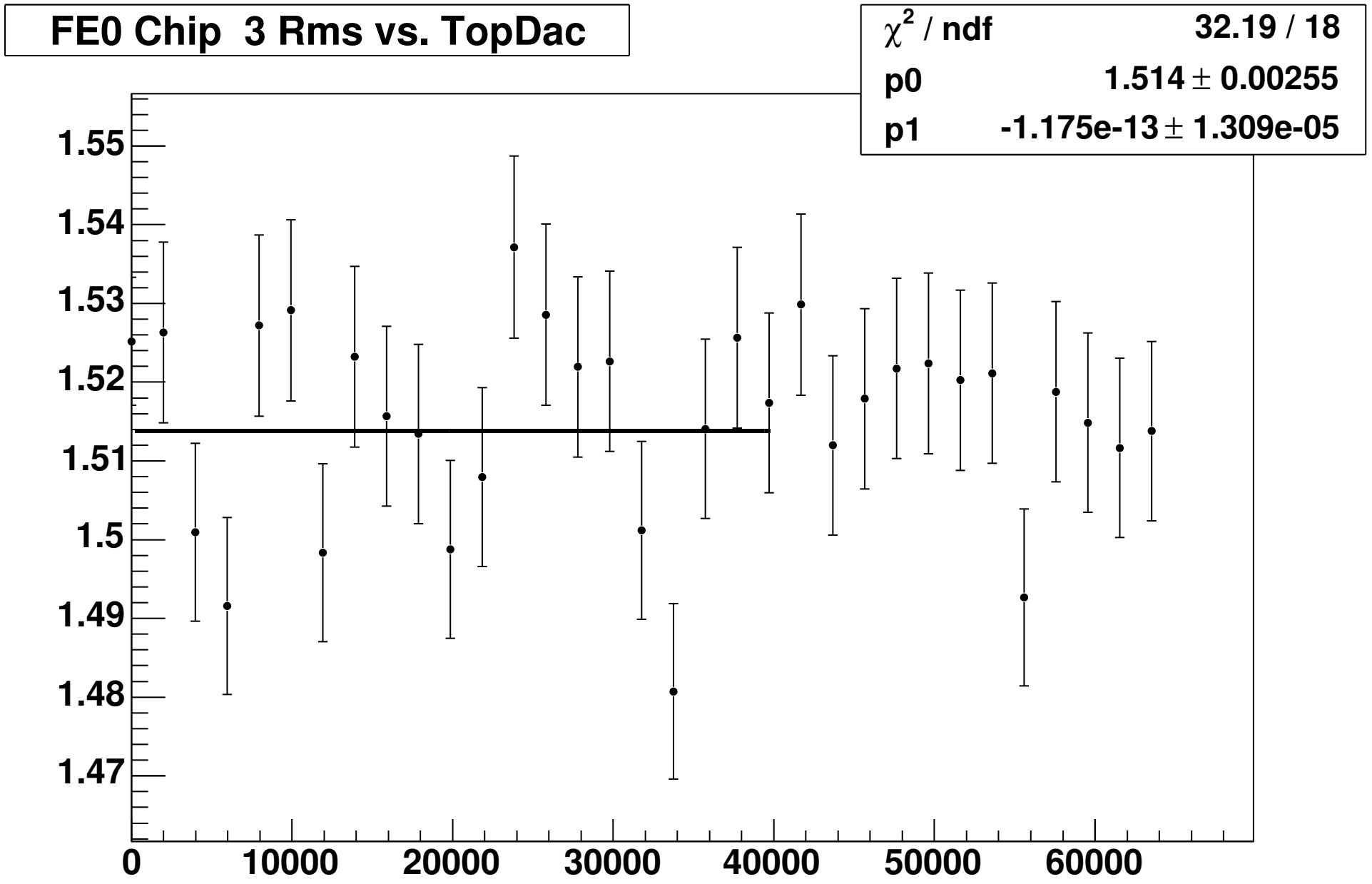

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 235.7 / 18
p0 35.59 ± 0.007315
p1 2.183e-06 ± 3.072e-07
36
35.9
35.8
35.7
35.6
35.5
0
10000
20000
30000
40000
50000
60000

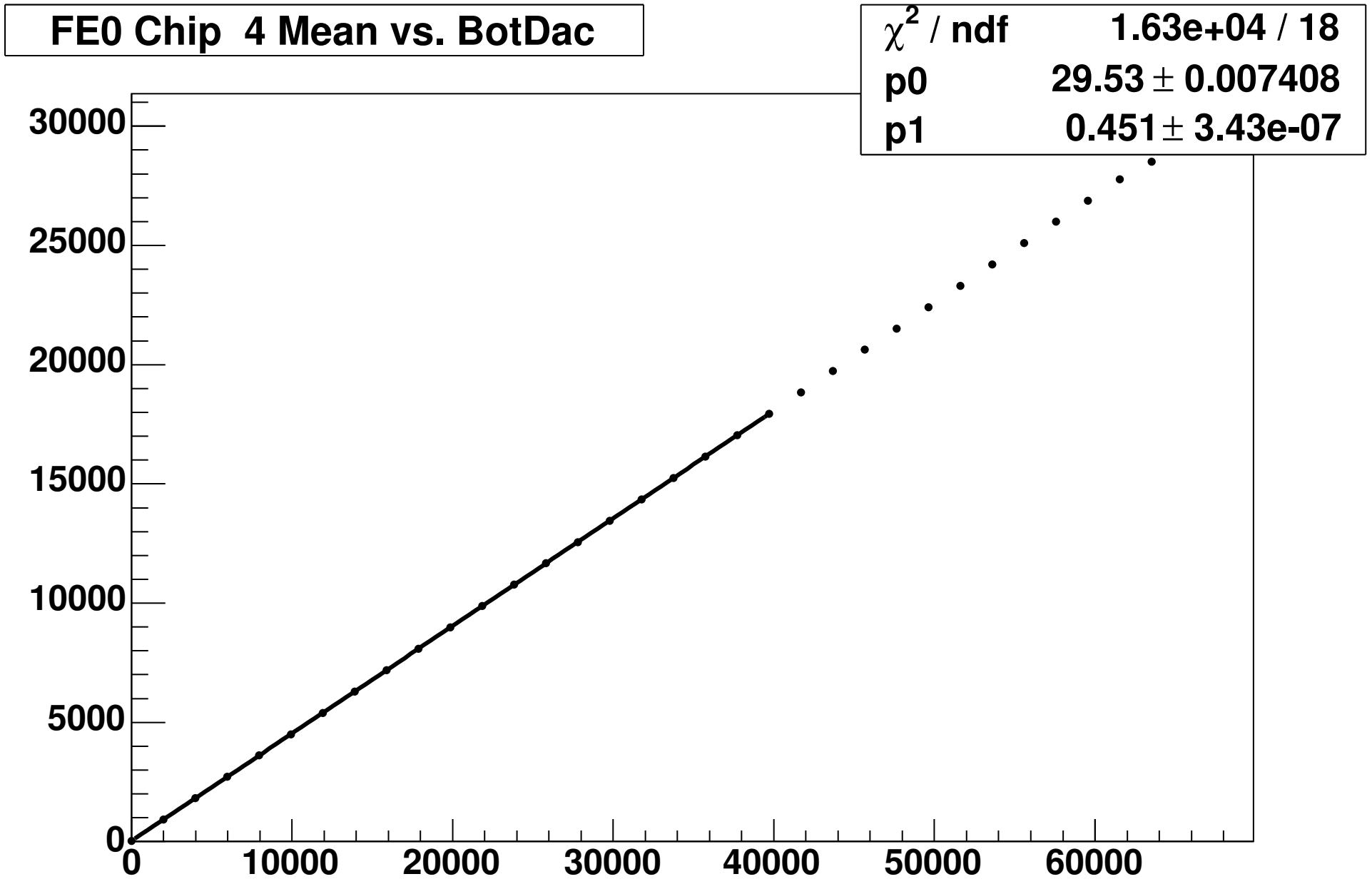

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 14.11 / 18
p0 1.48 ± 0.00249
p1 1.11e-12 ± 2.915e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

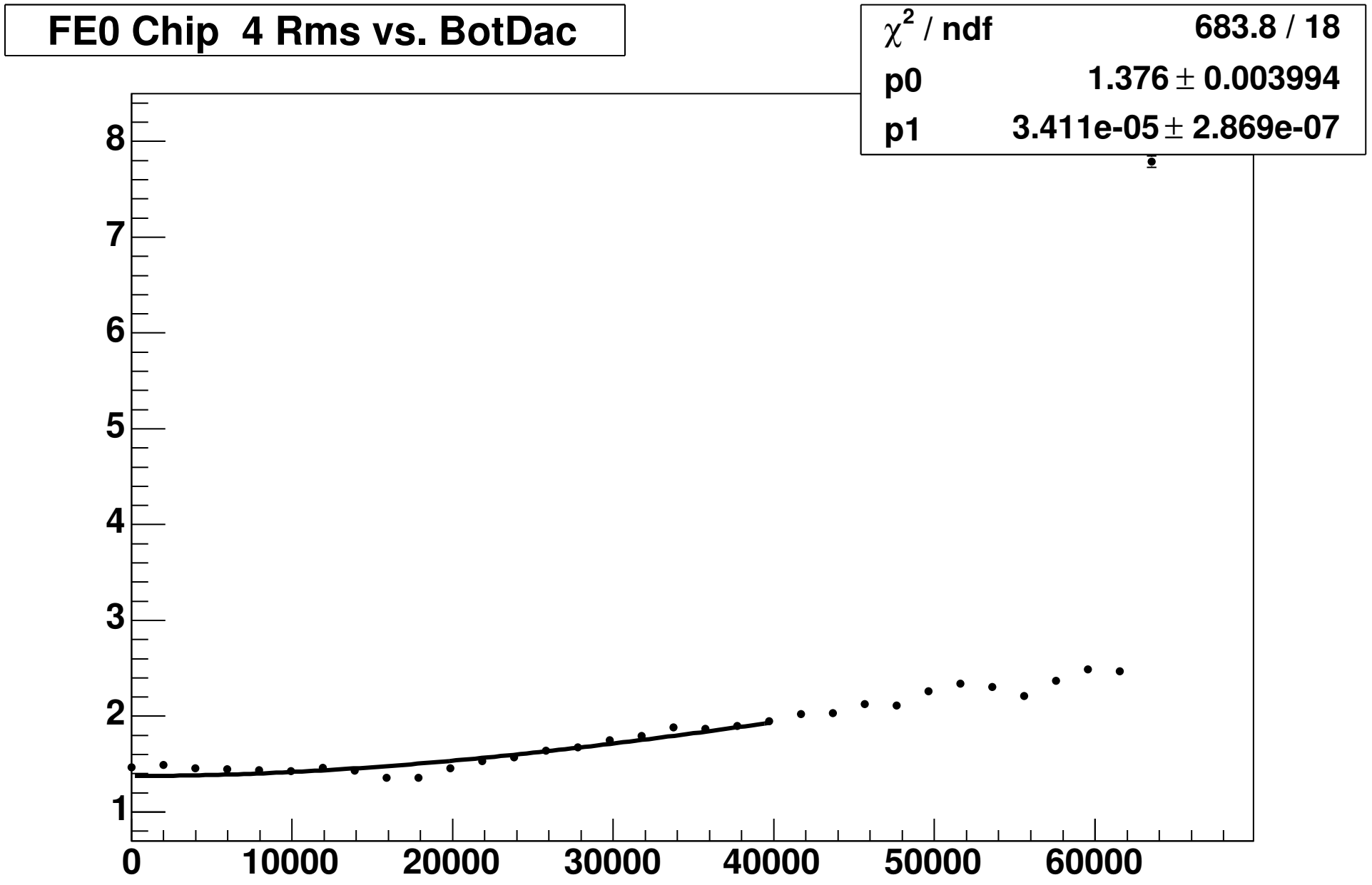

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 3.16e+04 / 18
p0 32.39 ± 0.007369
p1 0.4508 ± 3.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

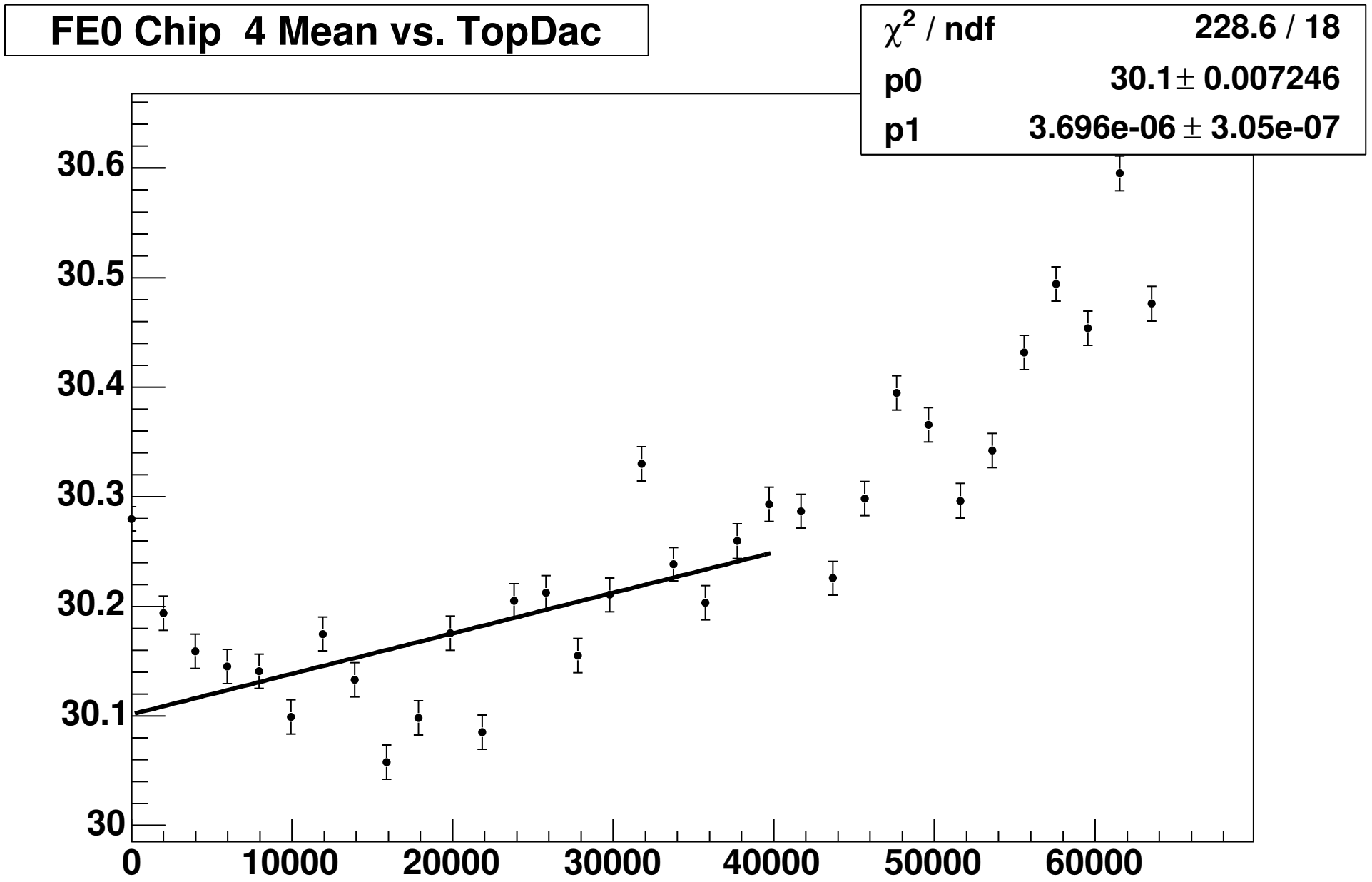

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 596.1 / 18
p0 1.373 ± 0.003966
p1 3.348e-05 ± 2.874e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

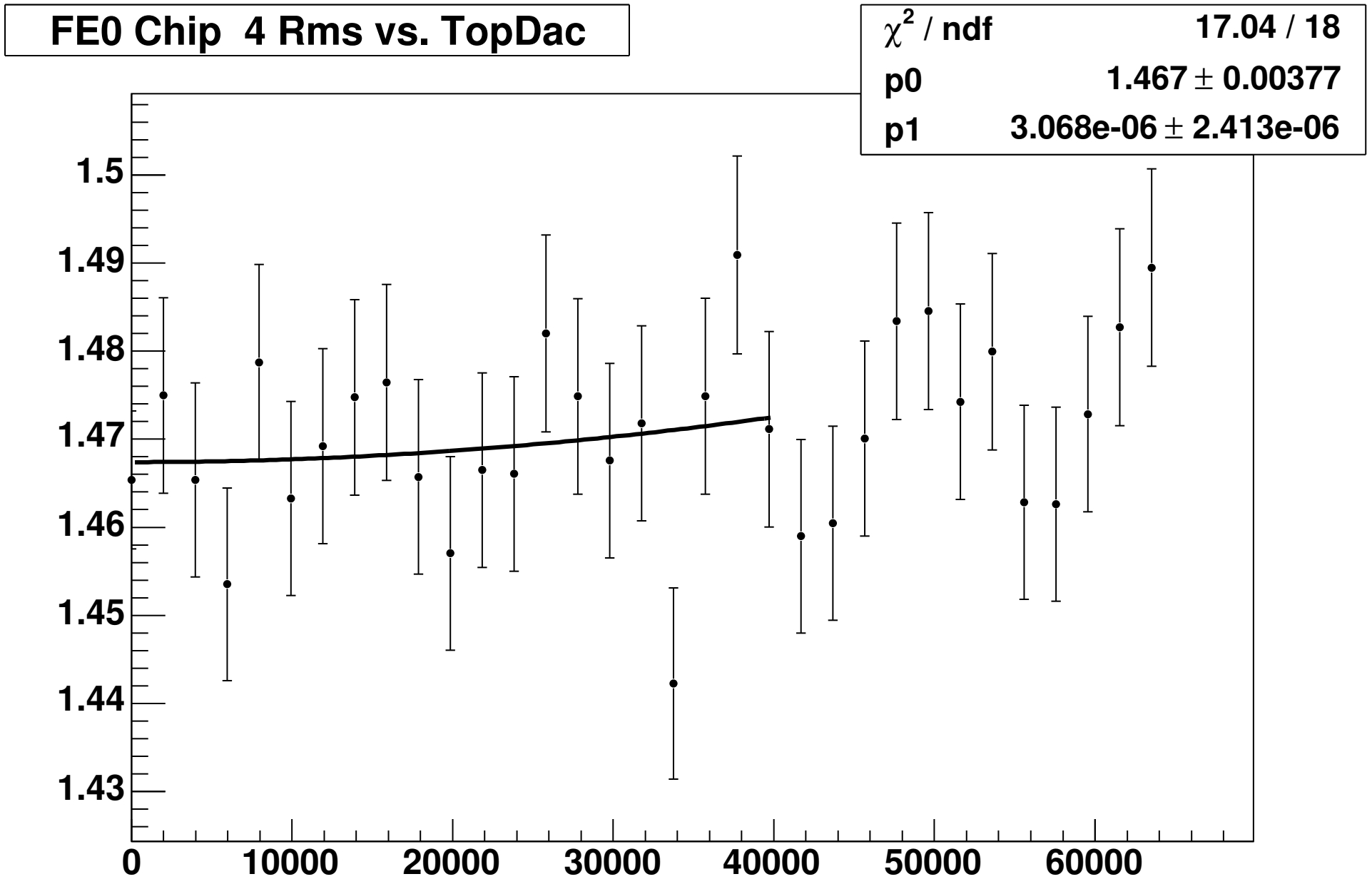

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 207.6 / 18
p0 32.81 ± 0.007463
p1 2.244e-06 ± 3.138e-07
33.3
33.2
33.1
33
32.9
32.8
32.7
0
10000
20000
30000
40000
50000
60000

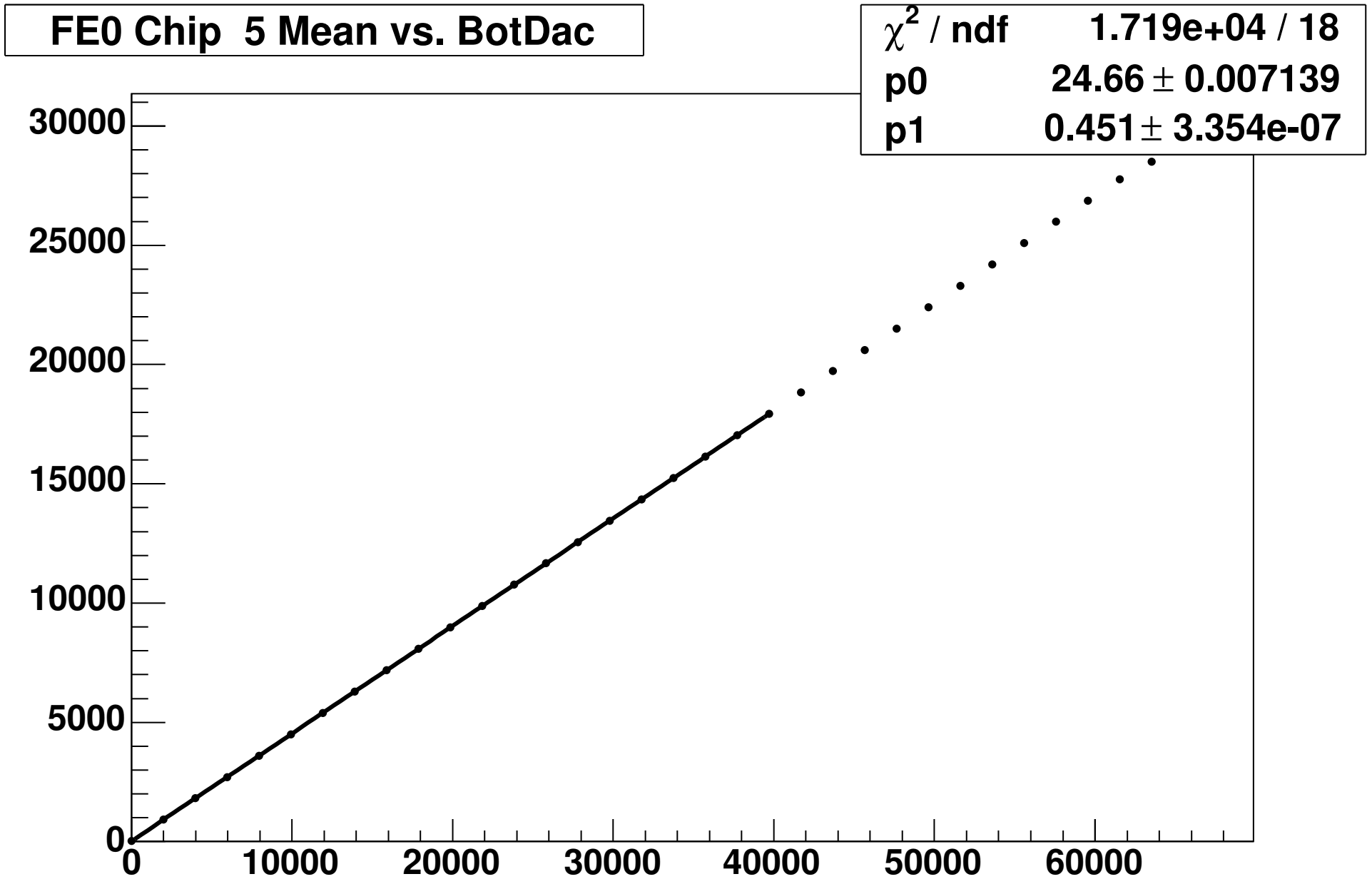

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 32.19 / 18
p0 1.514 ± 0.00255
p1 -1.175e-13 ± 1.309e-05
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.63e+04 / 18
p0 29.53 ± 0.007408
p1 0.451 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 683.8 / 18
p0 1.376 ± 0.003994
p1 3.411e-05 ± 2.869e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 228.6 / 18
p0 30.1 ± 0.007246
p1 3.696e-06 ± 3.05e-07
30.6
30.5
30.4
30.3
30.2
30.1
30
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 17.04 / 18
p0 1.467 ± 0.00377
p1 3.068e-06 ± 2.413e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.719e+04 / 18
p0 24.66 ± 0.007139
p1 0.451 ± 3.354e-07
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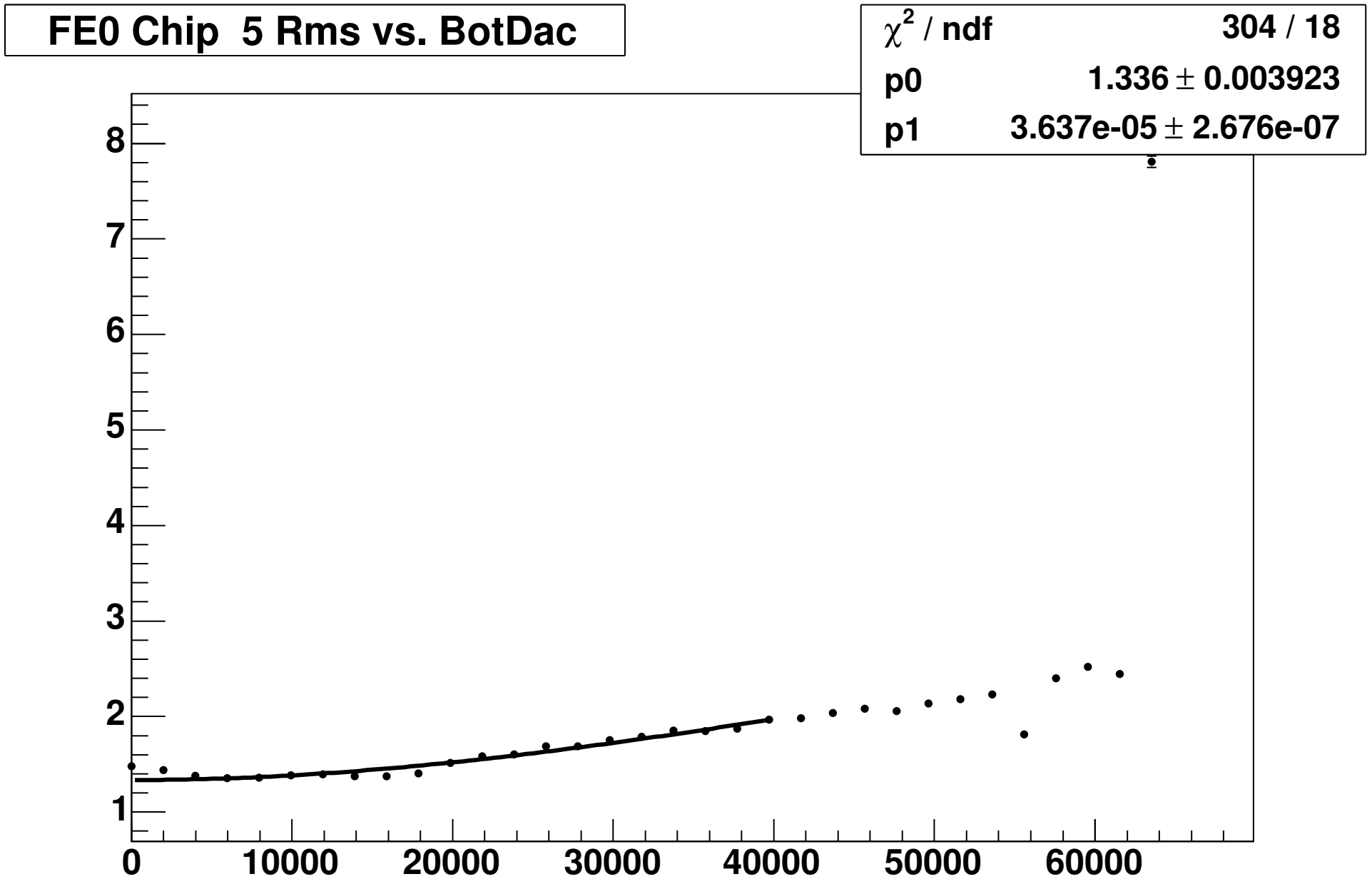
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 304 / 18
p0 1.336 ± 0.003923
p1 3.637e-05 ± 2.676e-07
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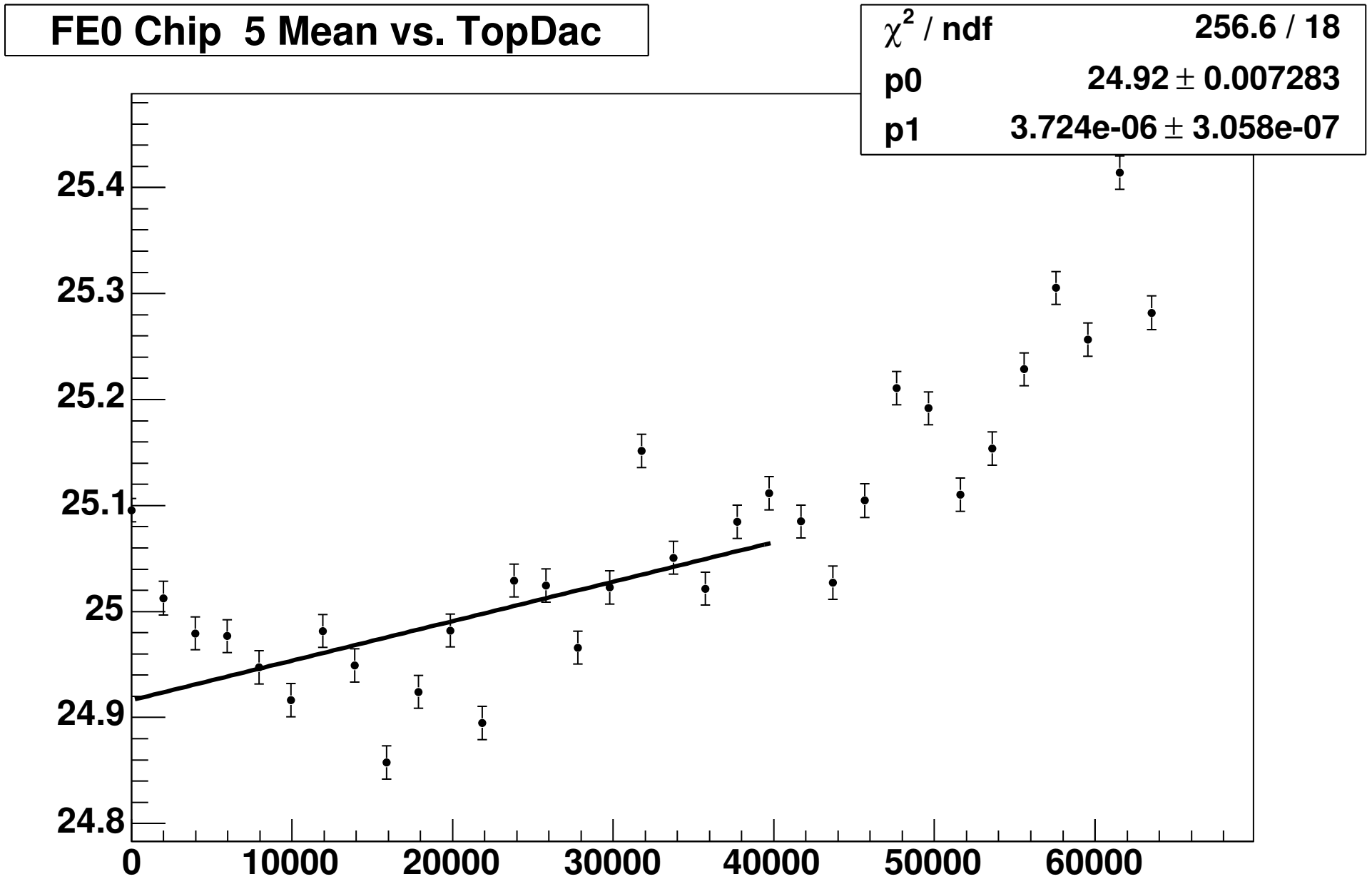
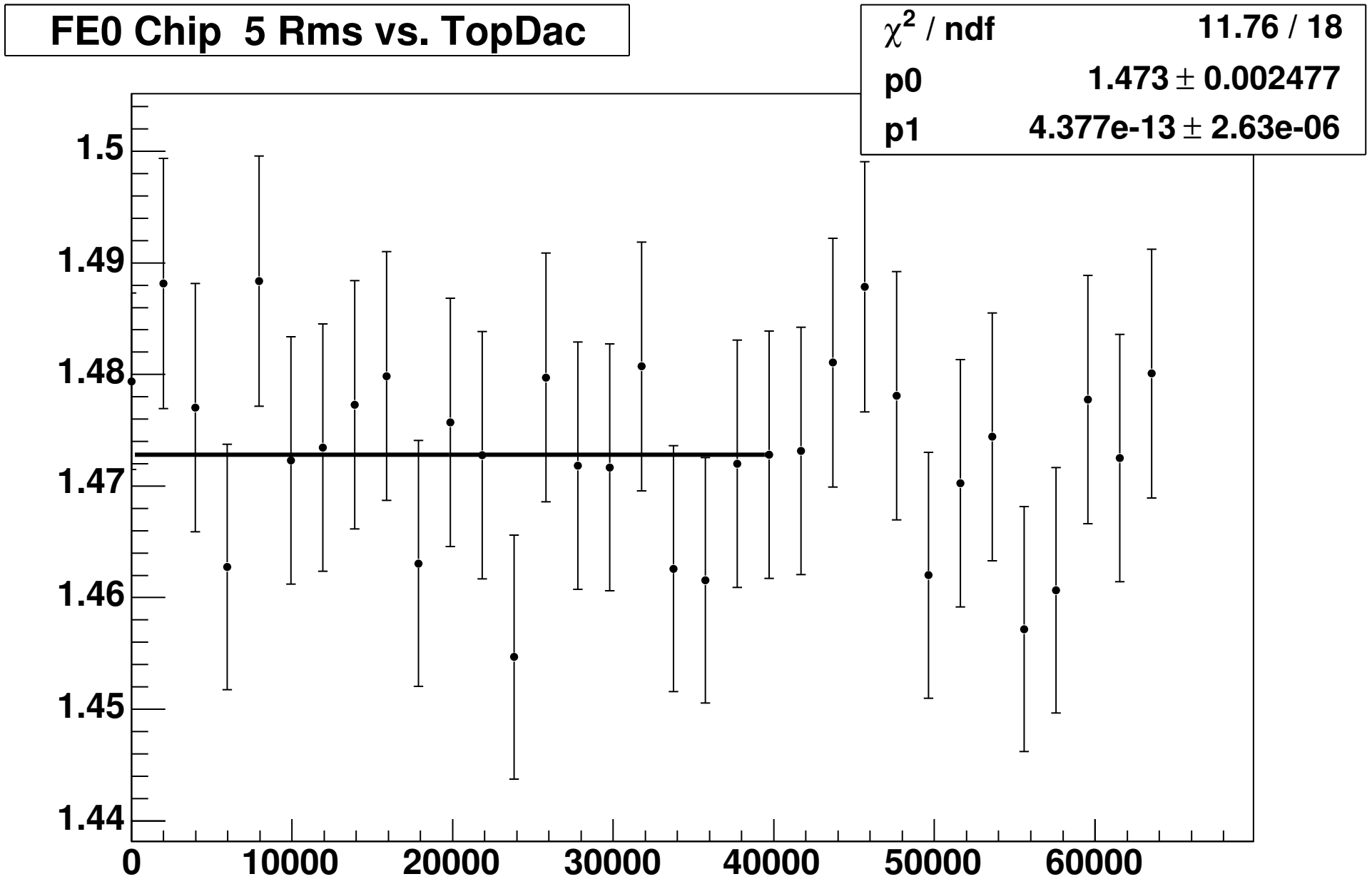
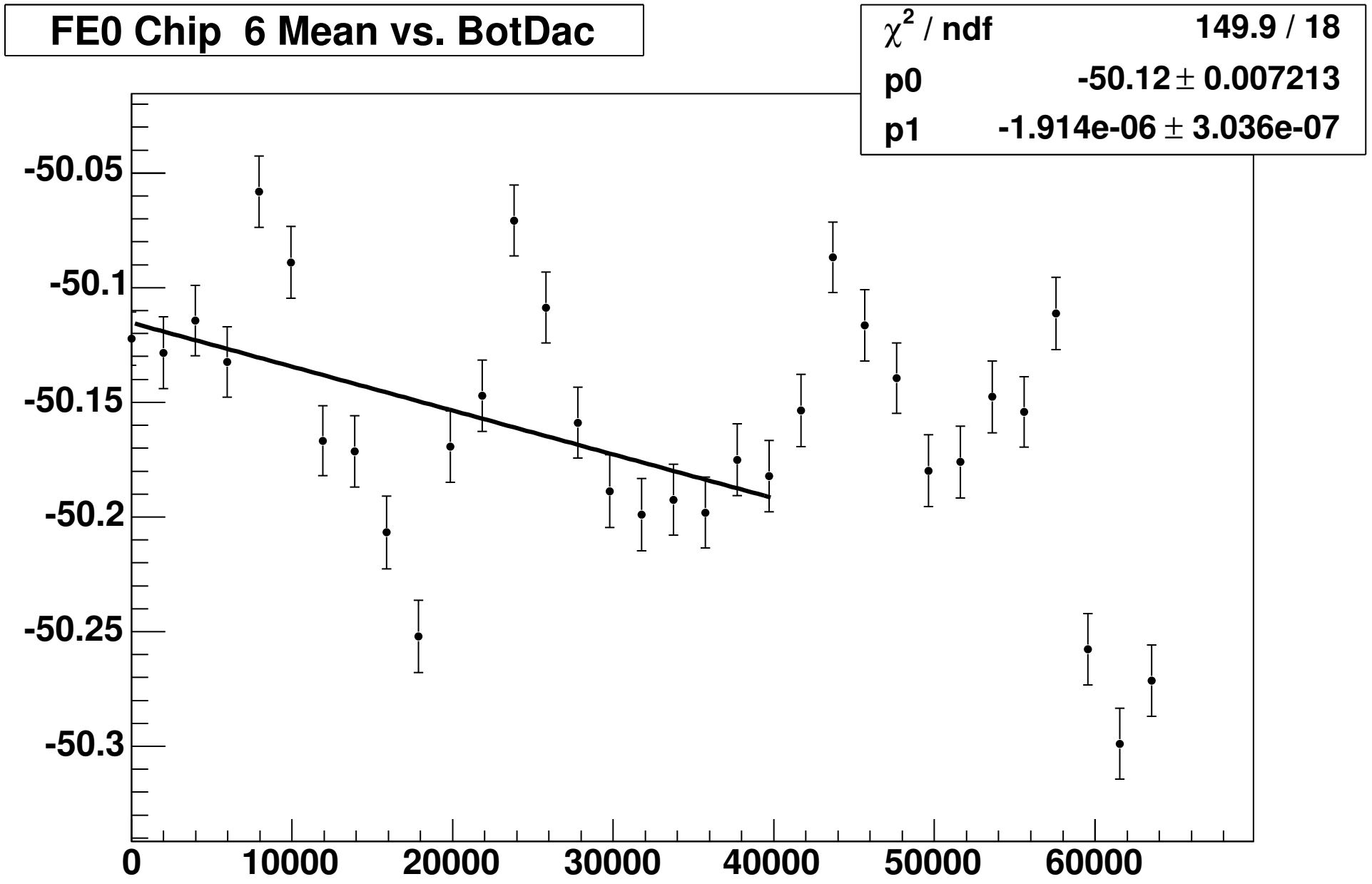
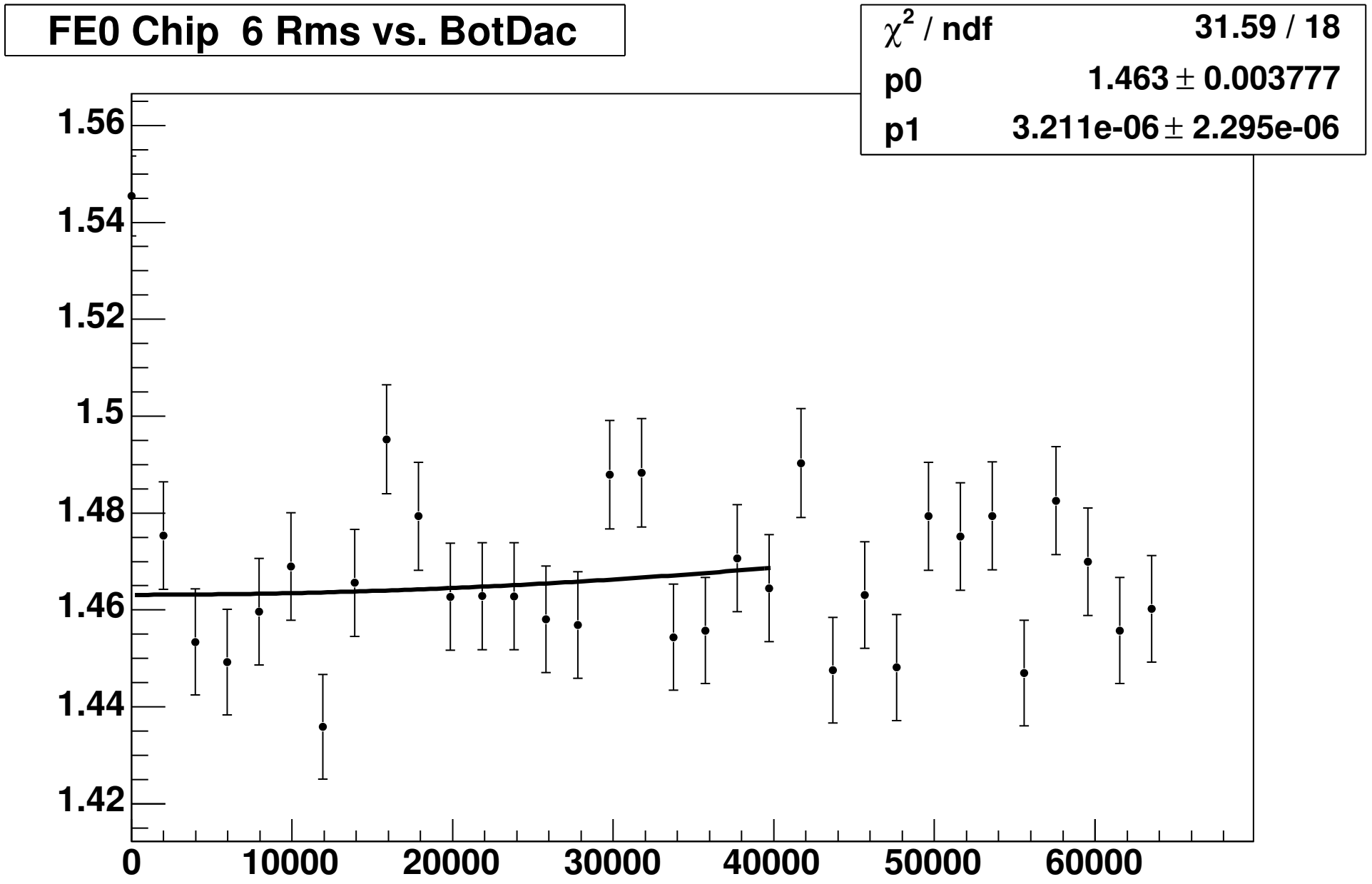
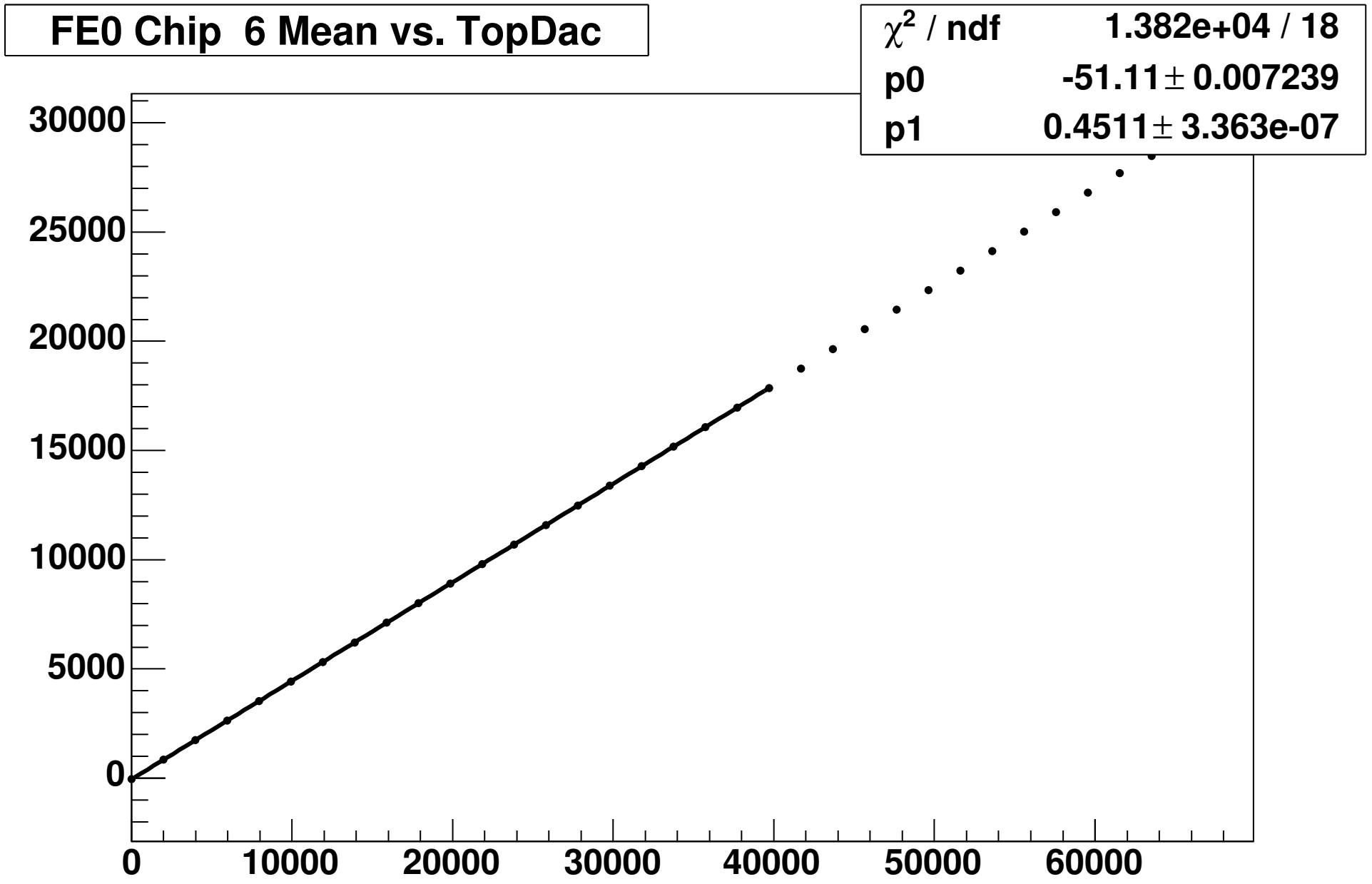
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

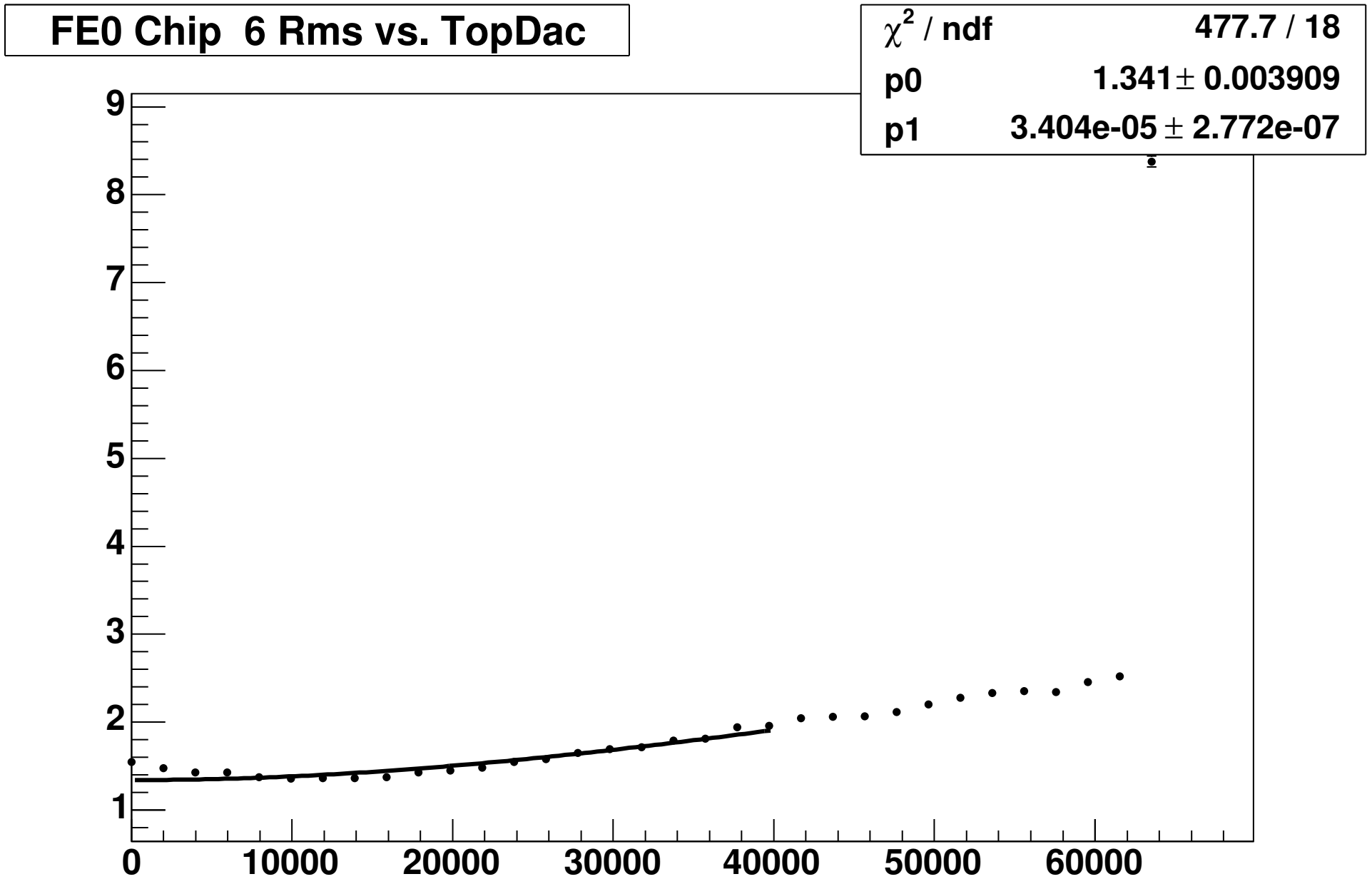

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 256.6 / 18
p0 24.92 ± 0.007283
p1 3.724e-06 ± 3.058e-07
25.4
25.3
25.2
25.1
25
24.9
24.8
0
10000
20000
30000
40000
50000
60000

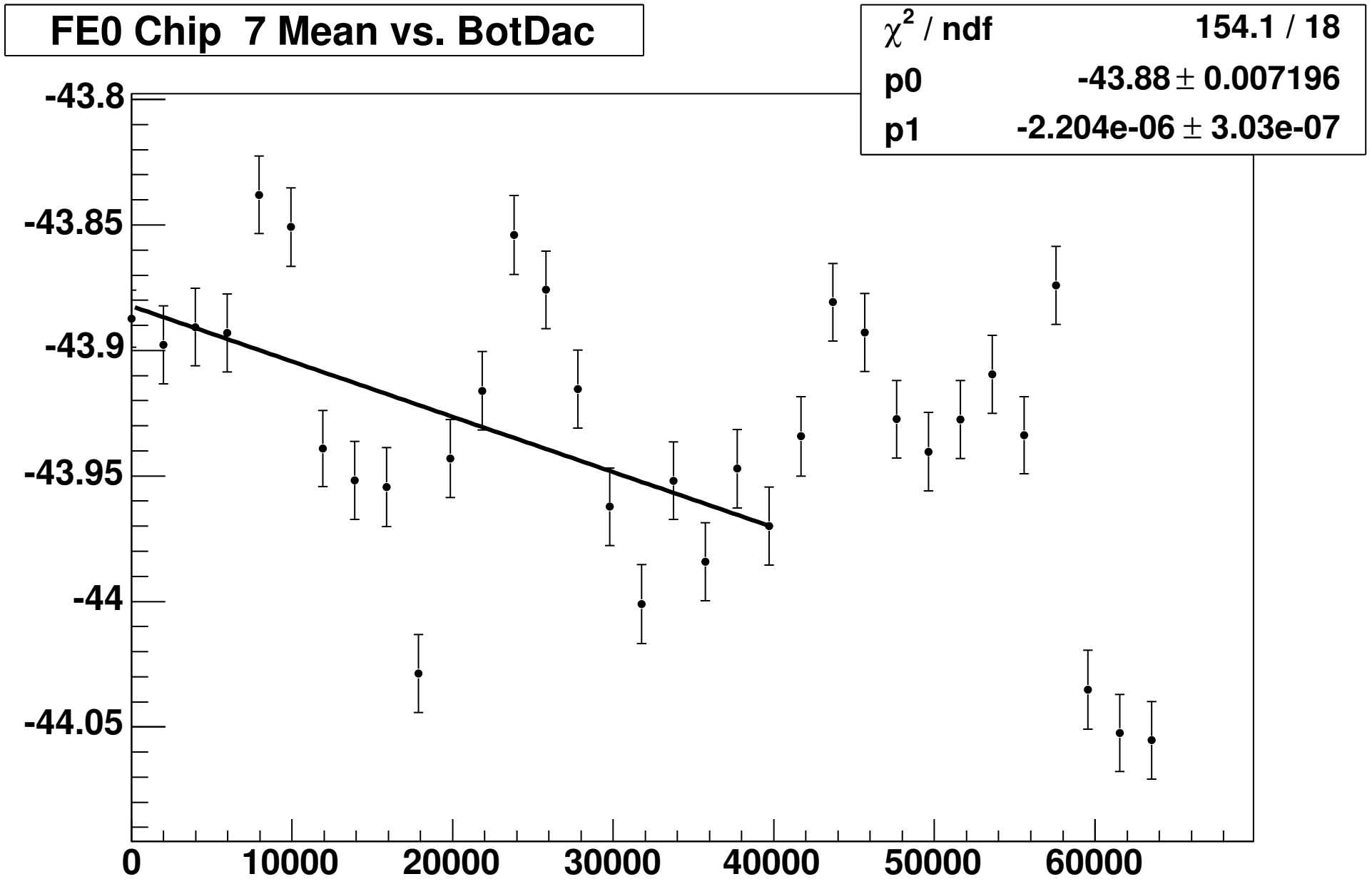

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 11.76 / 18
p0 1.473 ± 0.002477
p1 4.377e-13 ± 2.63e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

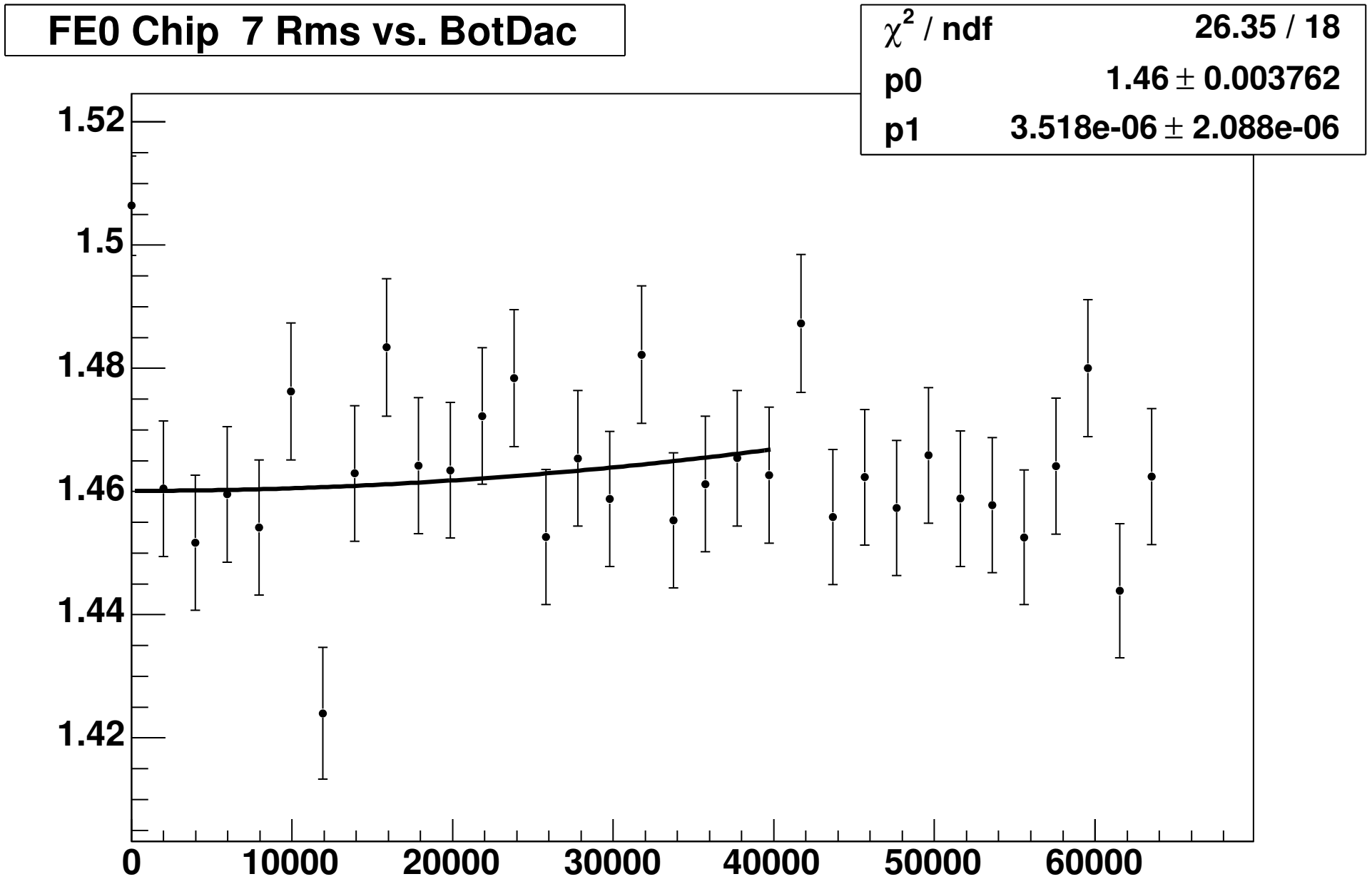

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 149.9 / 18
p0 -50.12 ± 0.007213
p1 -1.914e-06 ± 3.036e-07
-50.05
-50.1
-50.15
-50.2
-50.25
-50.3
0
10000
20000
30000
40000
50000
60000

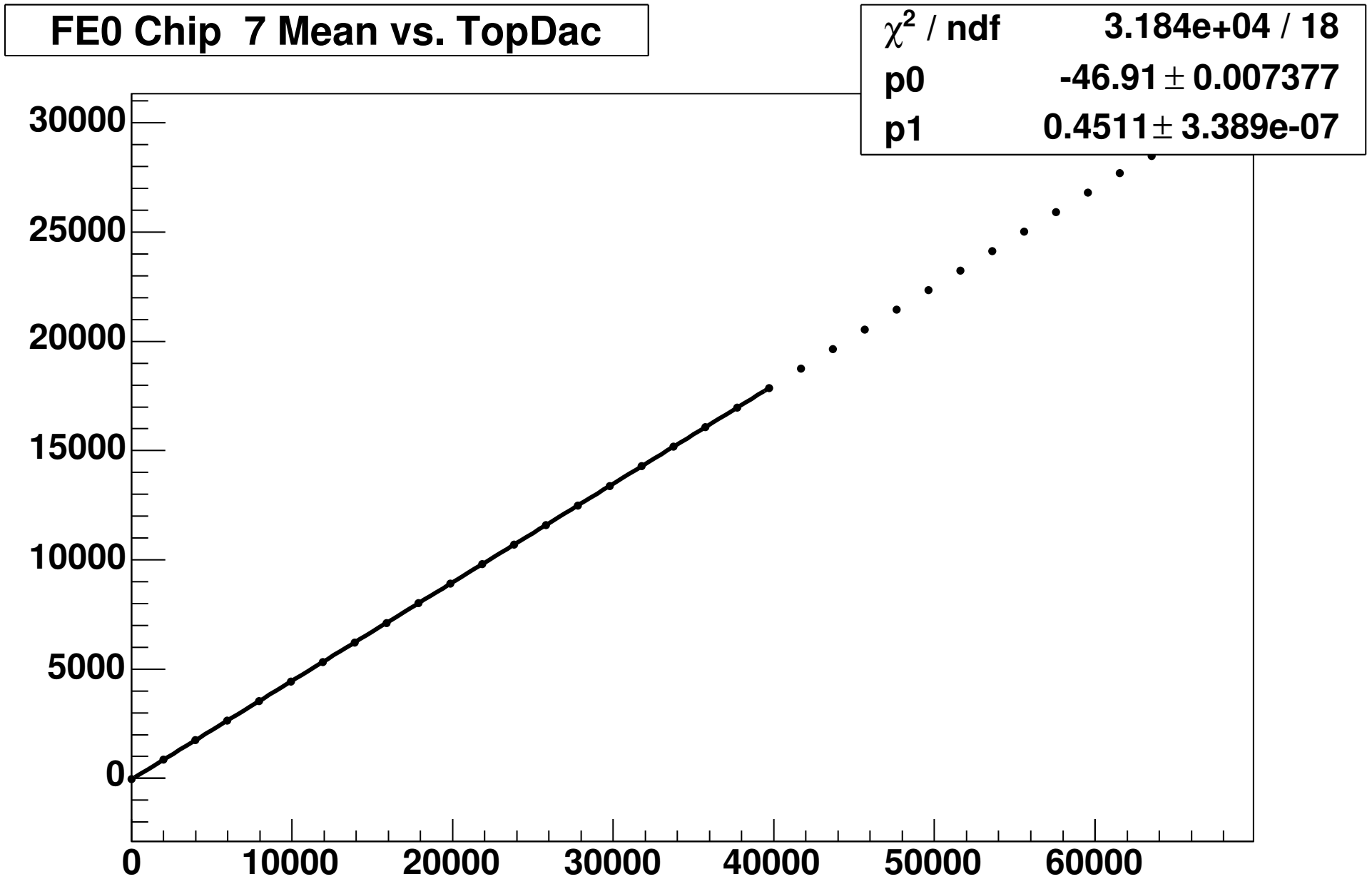

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 31.59 / 18
p0 1.463 ± 0.003777
p1 3.211e-06 ± 2.295e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

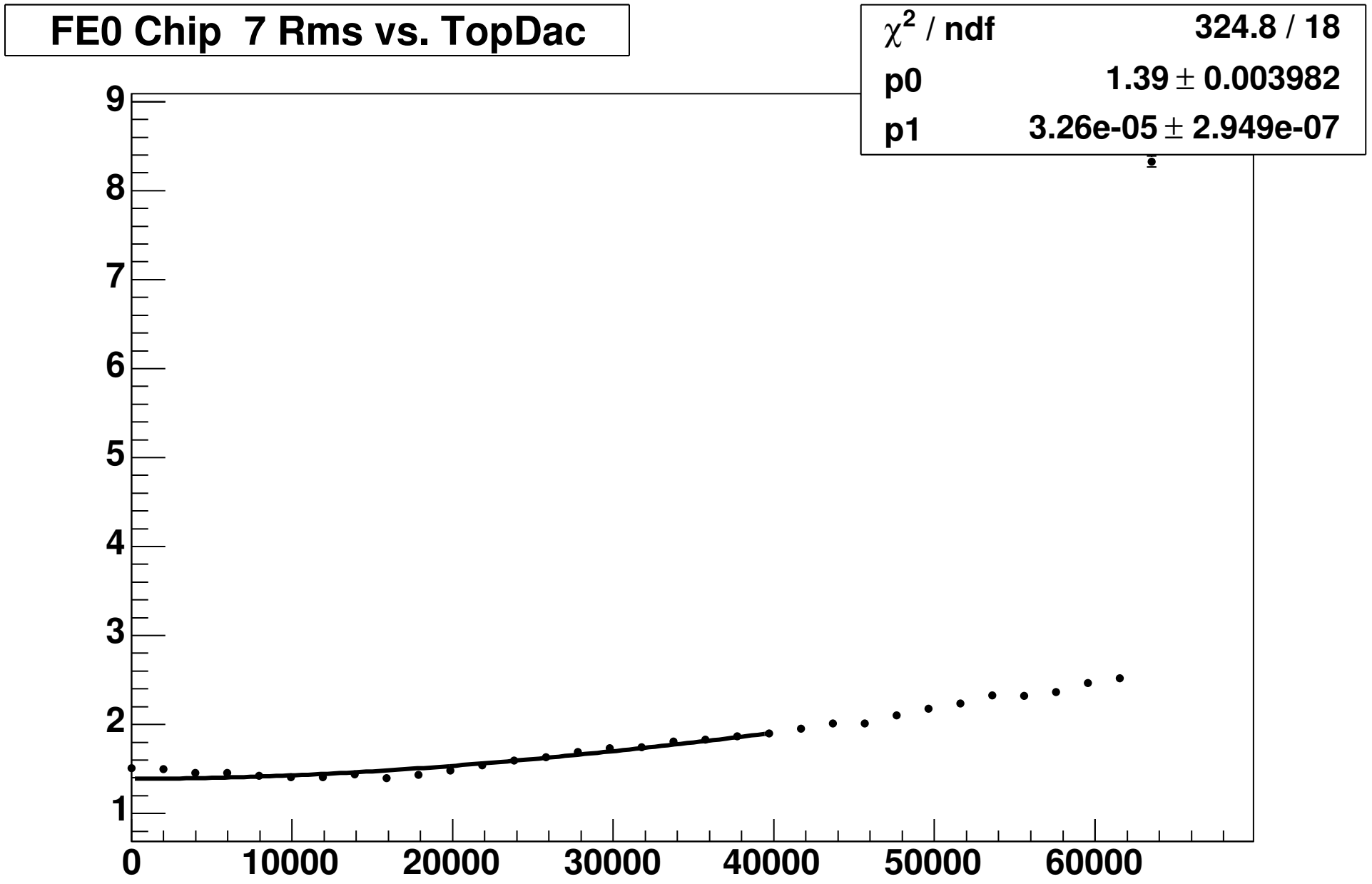

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.382e+04 / 18
p0 -51.11 ± 0.007239
p1 0.4511 ± 3.363e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

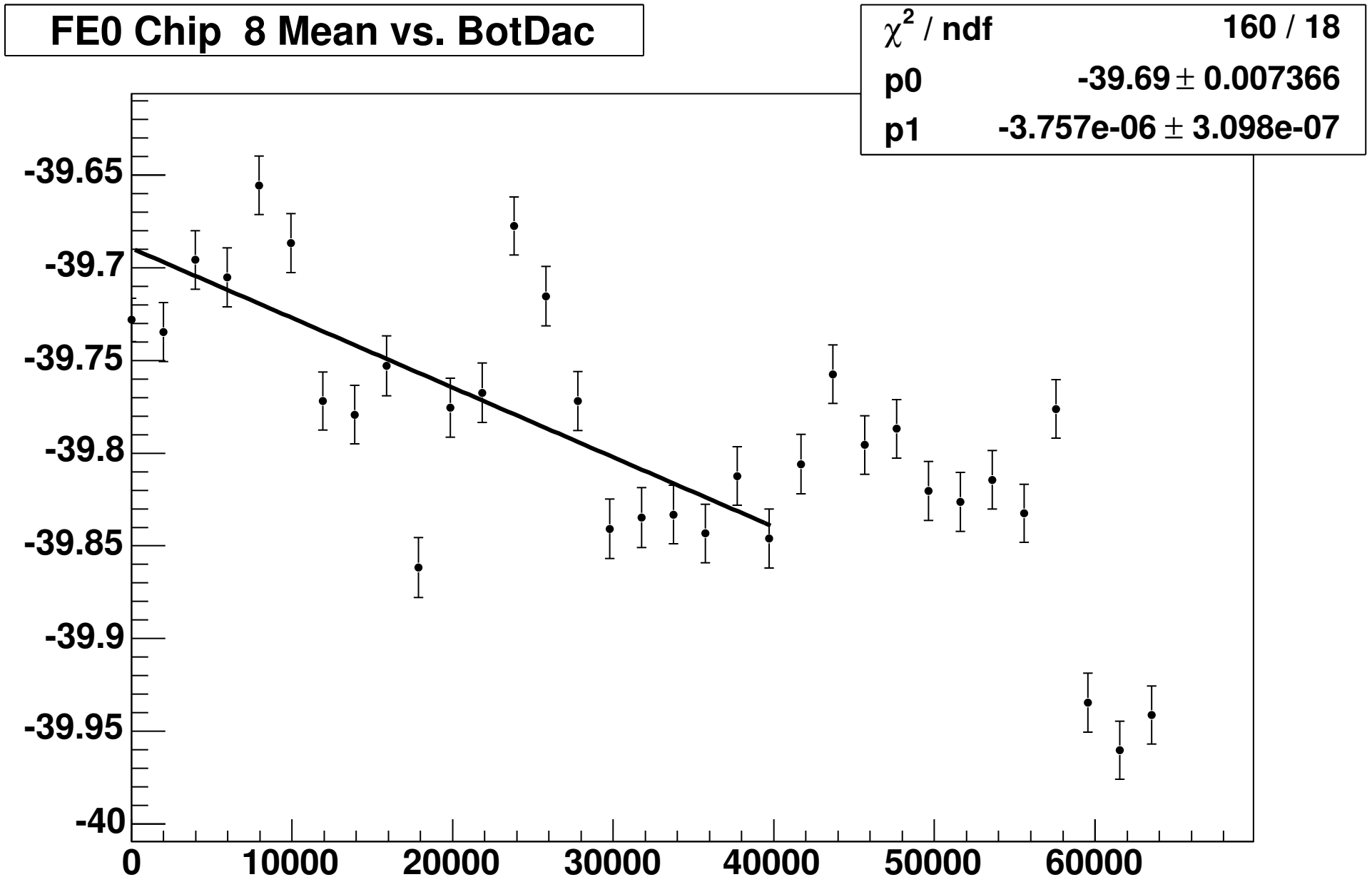

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 477.7 / 18
p0 1.341 ± 0.003909
p1 3.404e-05 ± 2.772e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

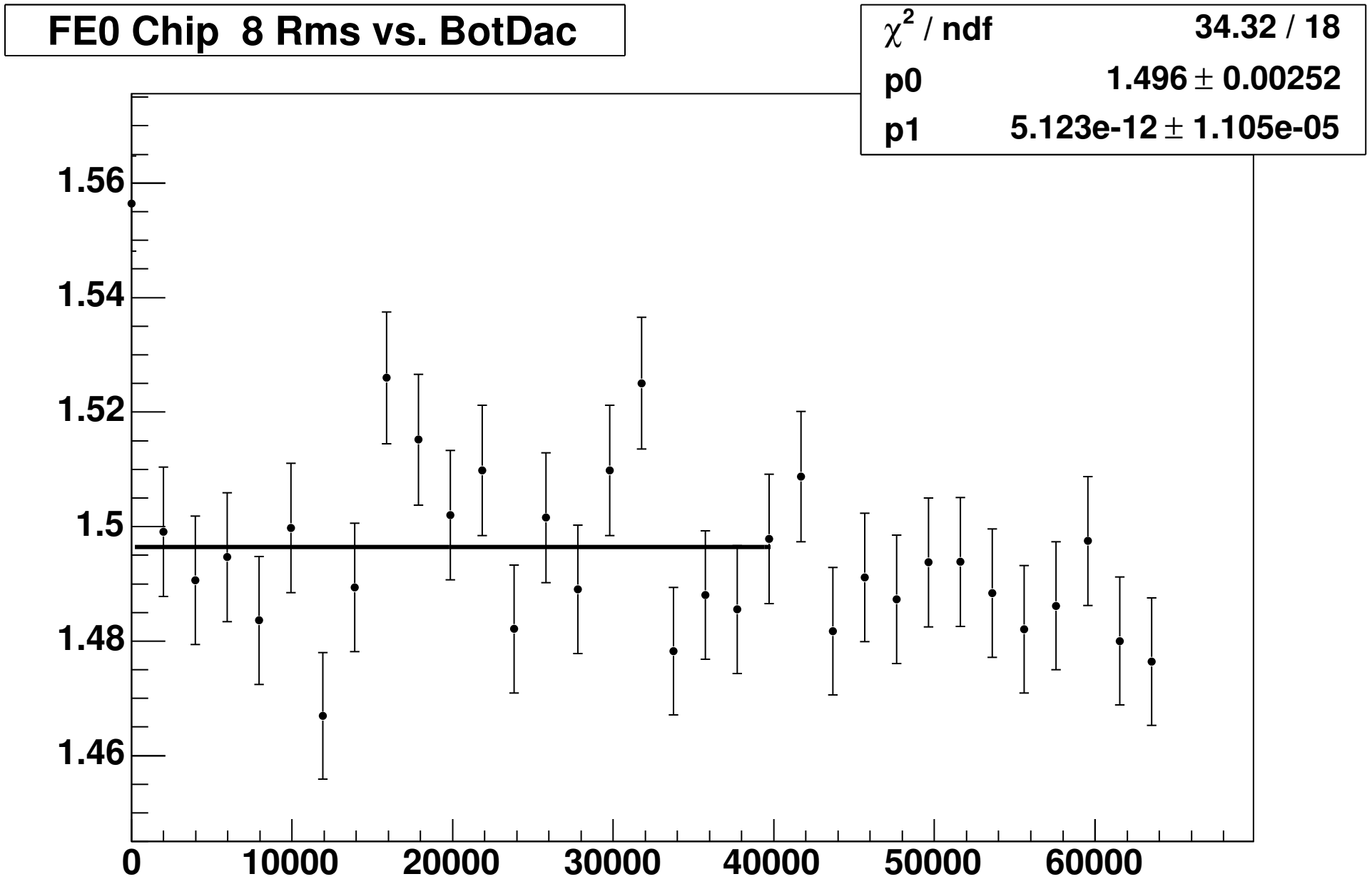

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 154.1 / 18
p0 -43.88 ± 0.007196
p1 -2.204e-06 ± 3.03e-07
-43.8
-43.85
-43.9
-43.95
-44
-44.05
0
10000
20000
30000
40000
50000
60000

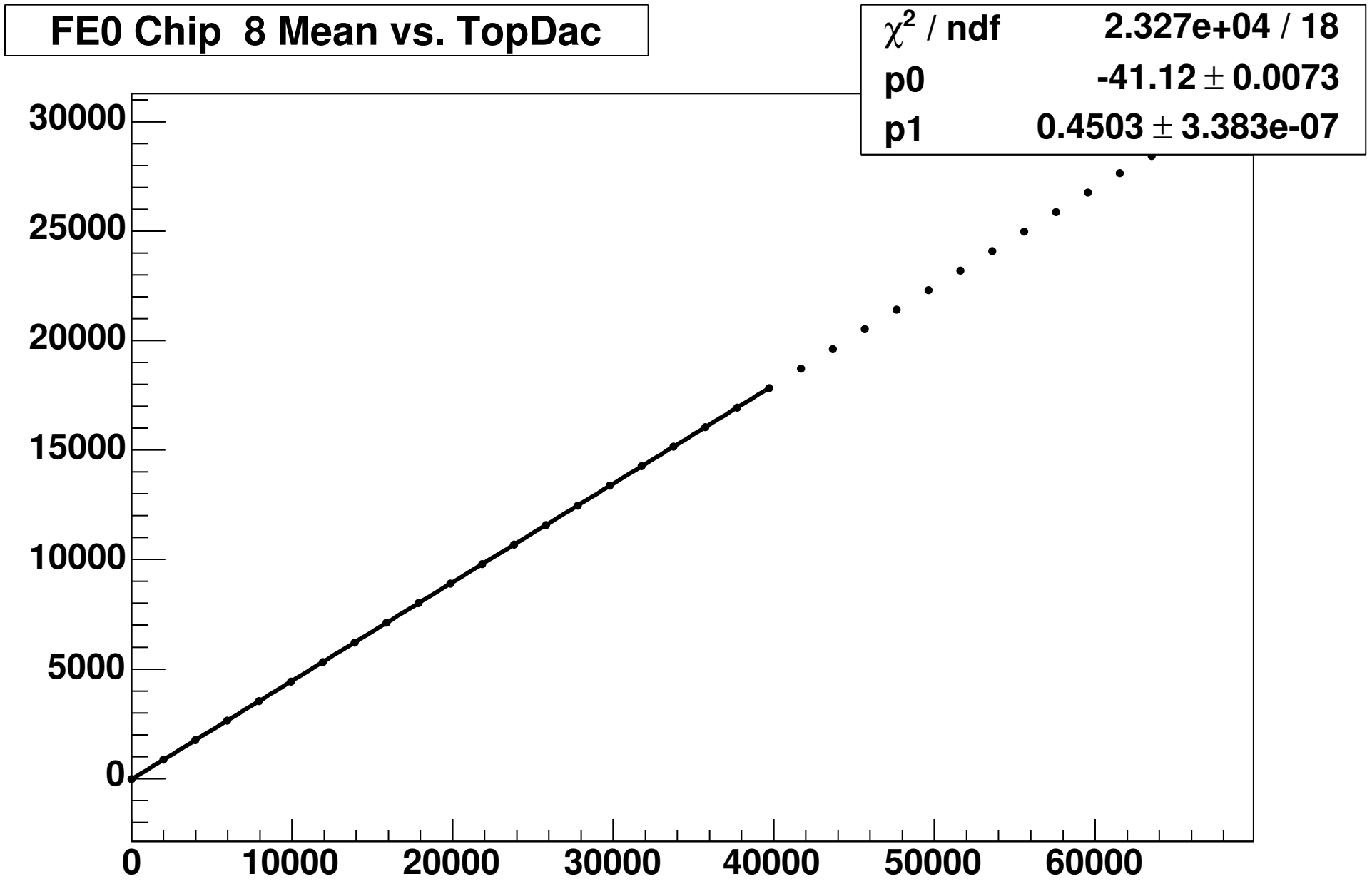

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 26.35 / 18
p0 1.46 ± 0.003762
p1 3.518e-06 ± 2.088e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 3.184e+04 / 18
p0 -46.91 ± 0.007377
p1 0.4511 ± 3.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 324.8 / 18
p0 1.39 ± 0.003982
p1 3.26e-05 ± 2.949e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 160 / 18
p0 -39.69 ± 0.007366
p1 -3.757e-06 ± 3.098e-07
-39.65
-39.7
-39.75
-39.8
-39.85
-39.9
-39.95
-40
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 34.32 / 18
p0 1.496 ± 0.00252
p1 5.123e-12 ± 1.105e-05
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 2.327e+04 / 18
p0 -41.12 ± 0.0073
p1 0.4503 ± 3.383e-07
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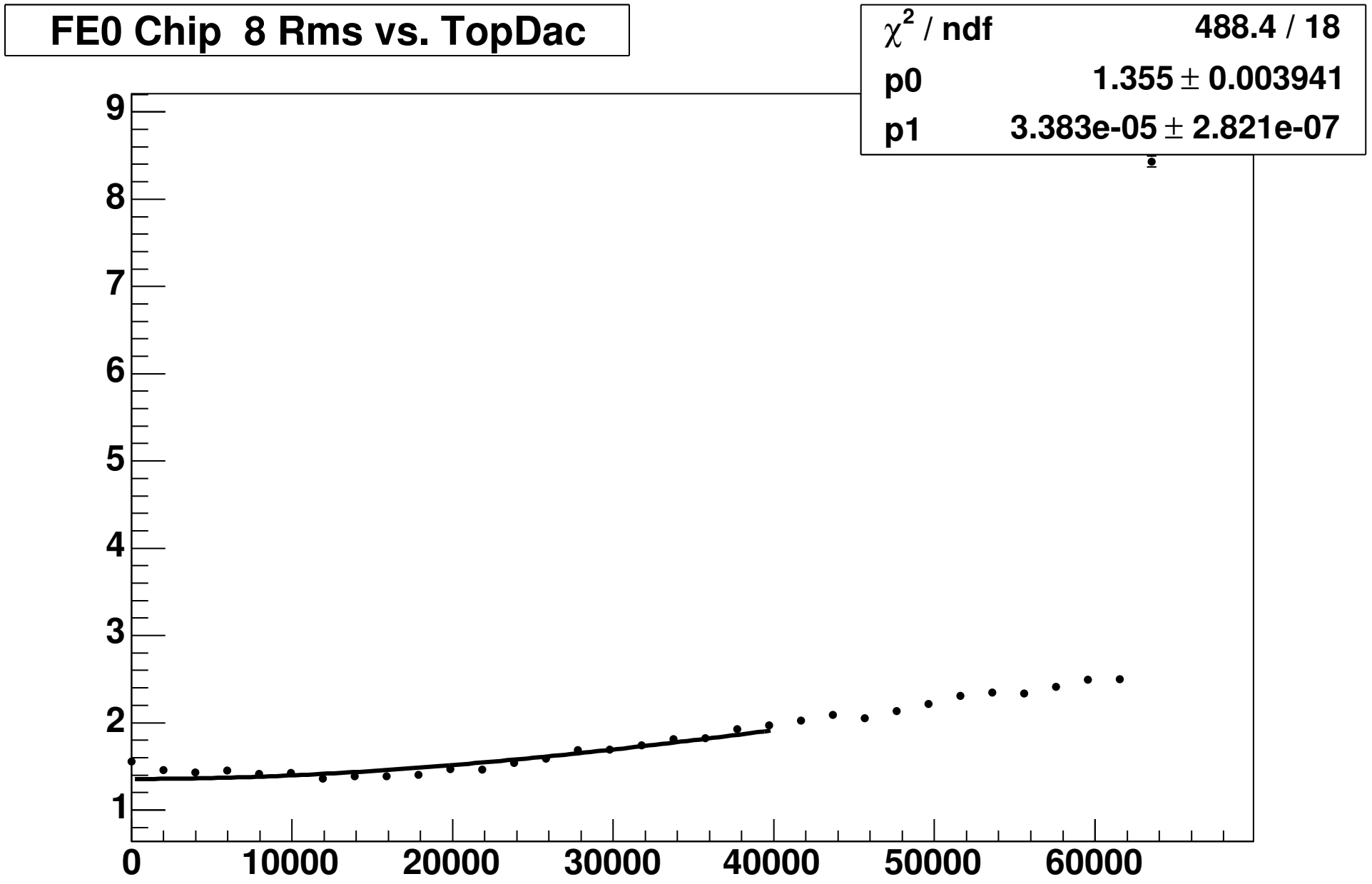
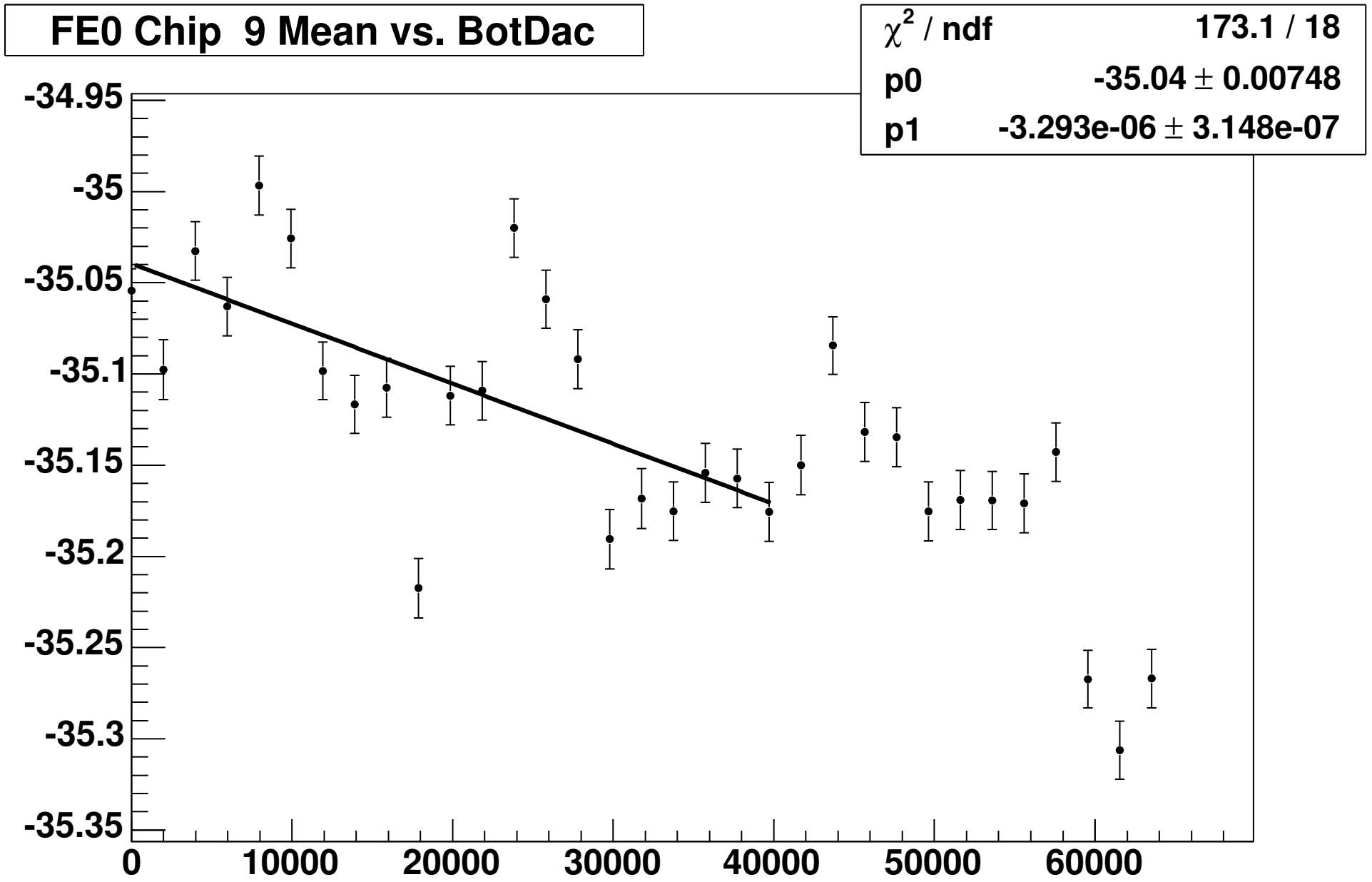
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 488.4 / 18
p0 1.355 ± 0.003941
p1 3.383e-05 ± 2.821e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 173.1 / 18
p0 -35.04 ± 0.00748
p1 -3.293e-06 ± 3.148e-07
-34.95
-35
-35.05
-35.1
-35.15
-35.2
-35.25
-35.3
-35.35
0
10000
20000
30000
40000
50000
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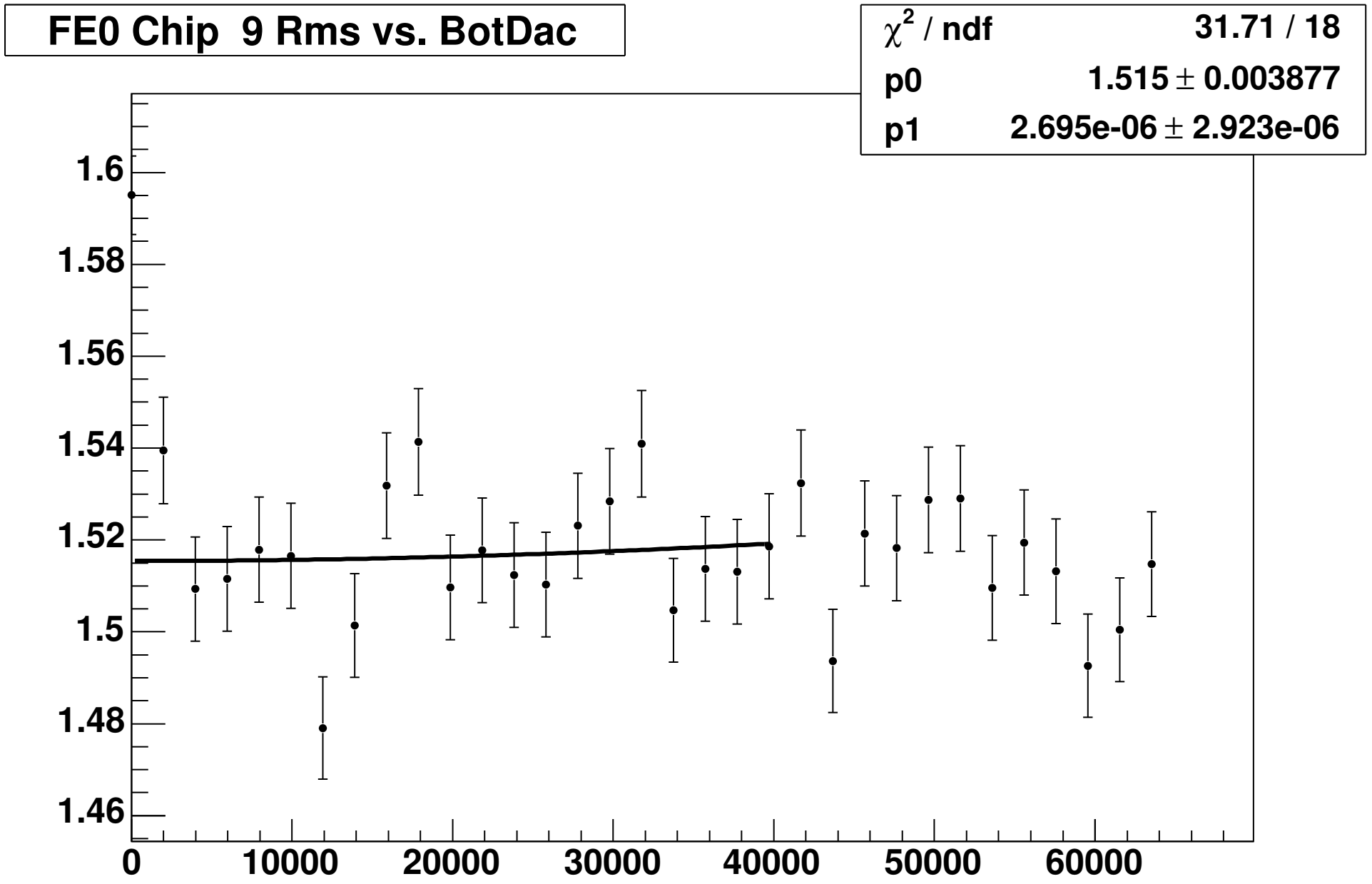
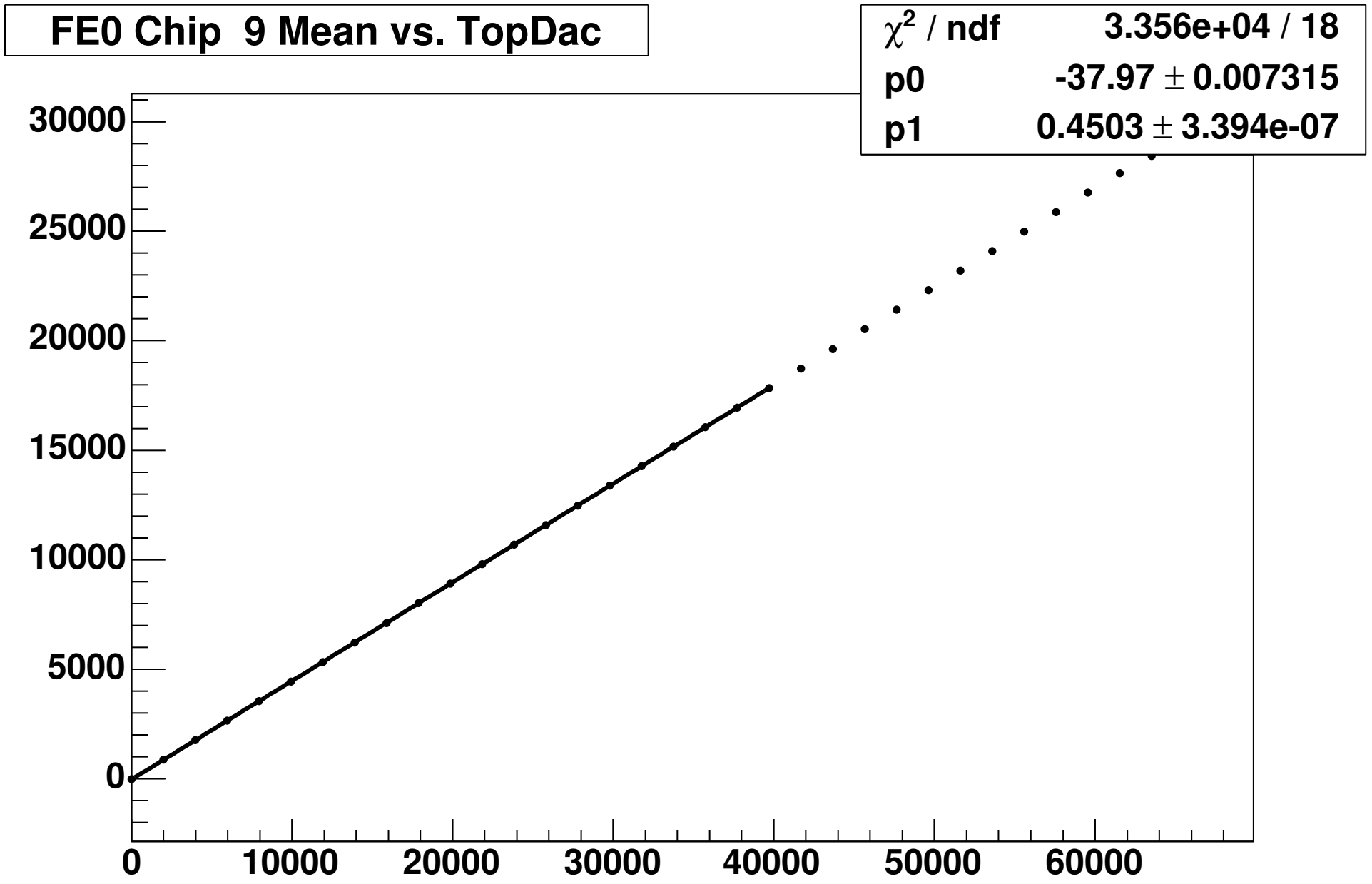

FE0 Chip 9 Rms vs. BotDac
χ² / ndf 31.71 / 18
p0 1.515 ± 0.003877
p1 2.695e-06 ± 2.923e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 3.356e+04 / 18
p0 -37.97 ± 0.007315
p1 0.4503 ± 3.394e-07
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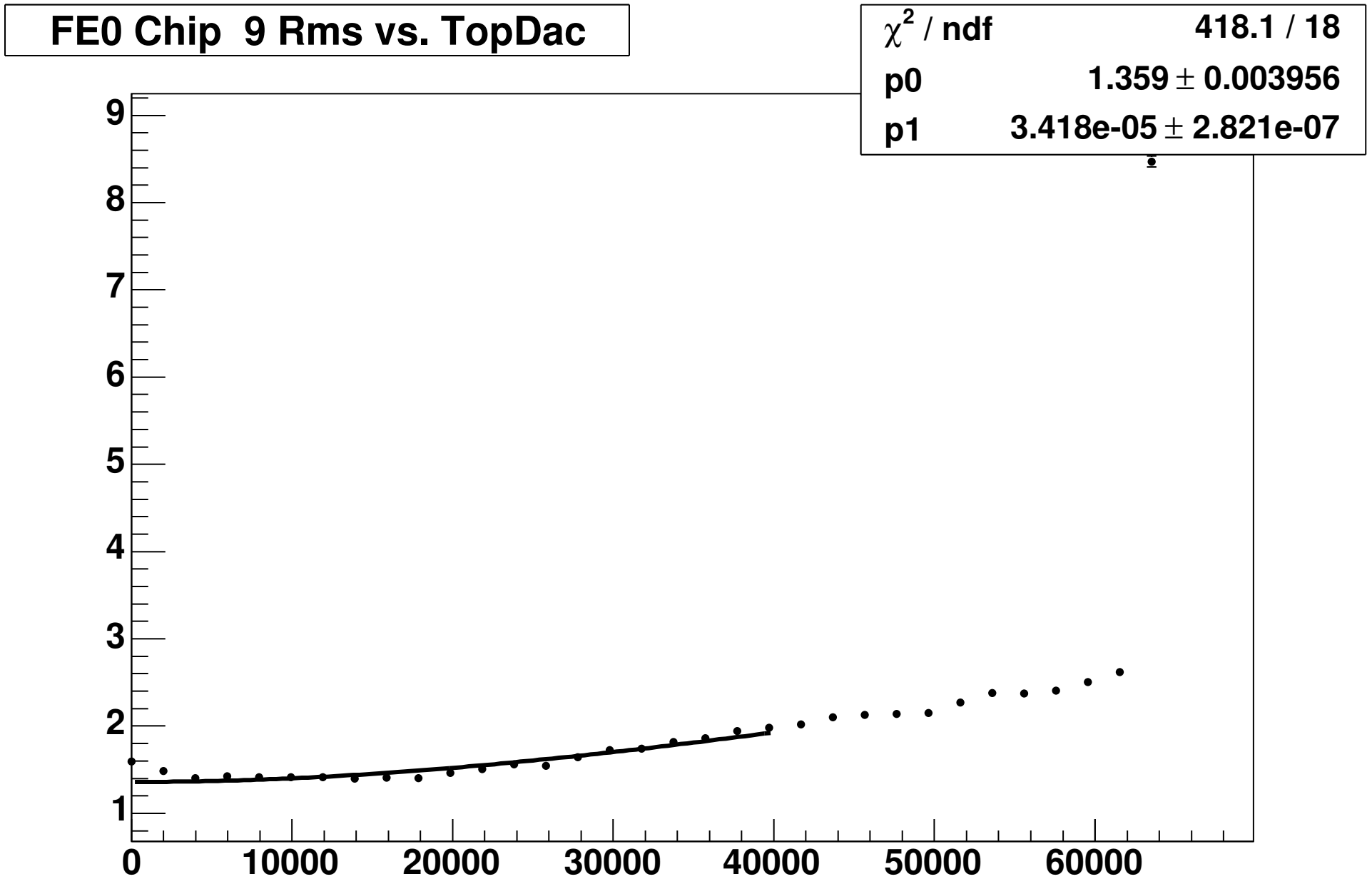
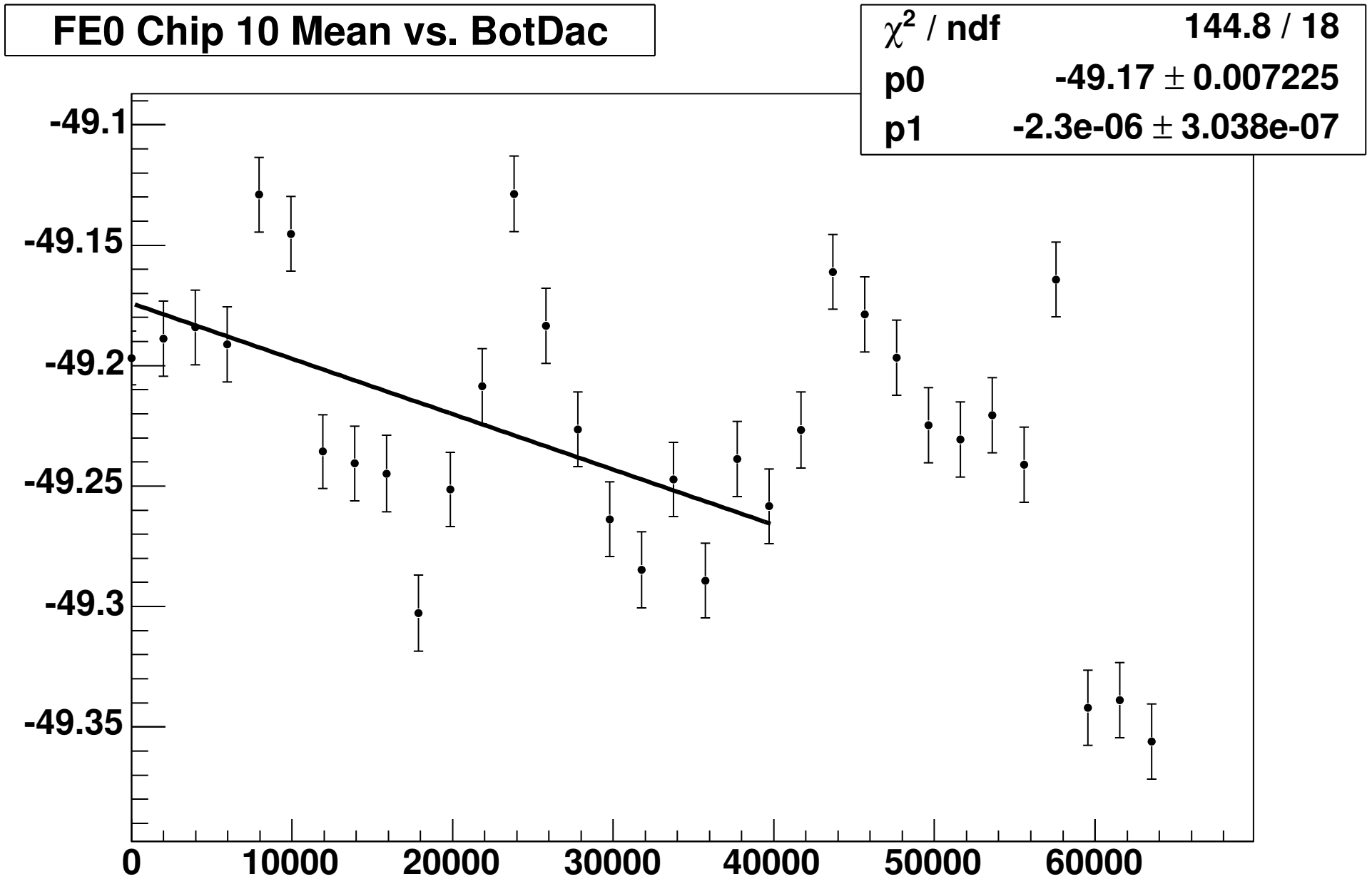
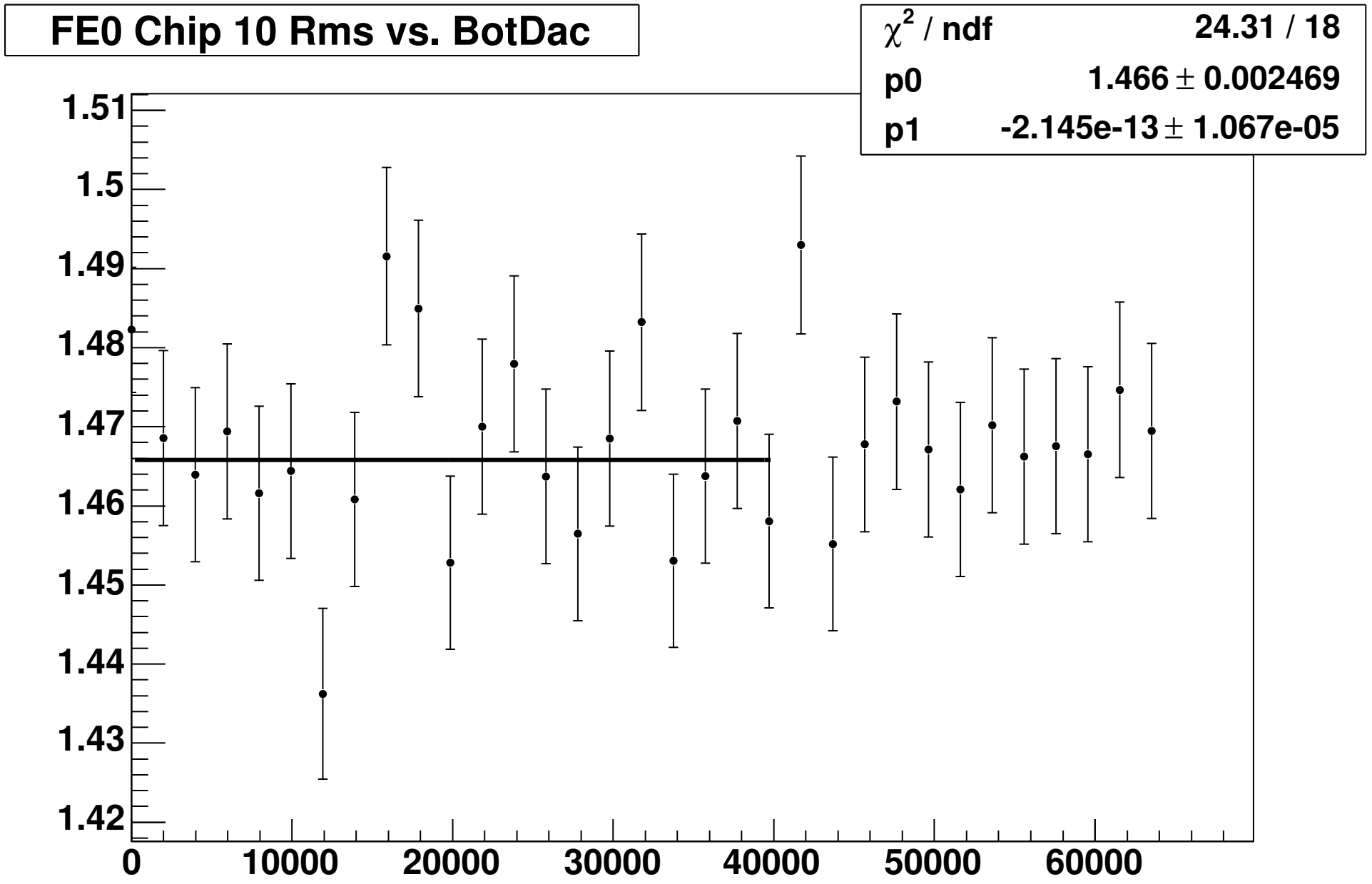
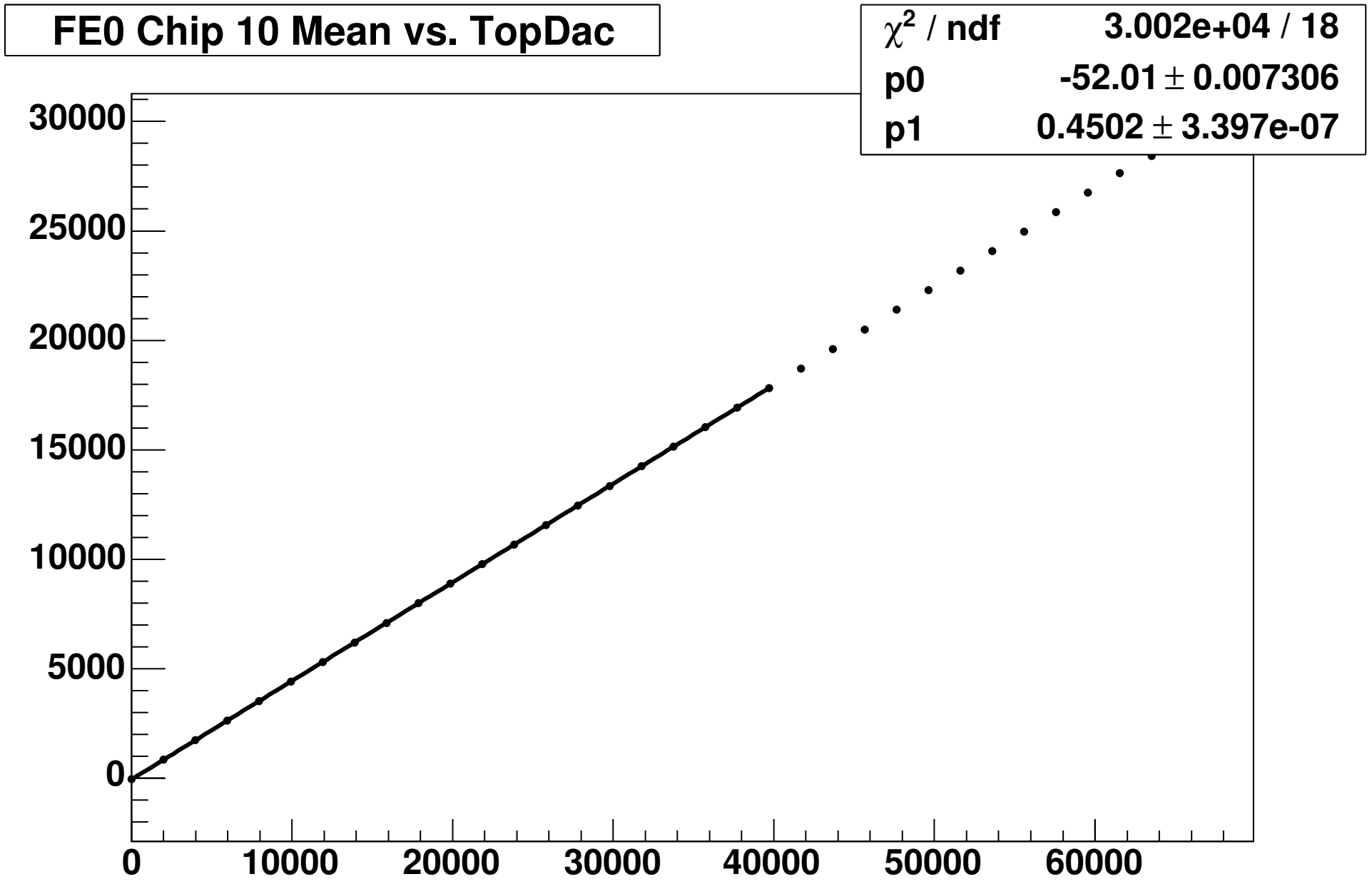
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 418.1 / 18
p0 1.359 ± 0.003956
p1 3.418e-05 ± 2.821e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 144.8 / 18
p0 -49.17 ± 0.007225
p1 -2.3e-06 ± 3.038e-07
-49.1
-49.15
-49.2
-49.25
-49.3
-49.35
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 24.31 / 18
p0 1.466 ± 0.002469
p1 -2.145e-13 ± 1.067e-05
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 3.002e+04 / 18
p0 -52.01 ± 0.007306
p1 0.4502 ± 3.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
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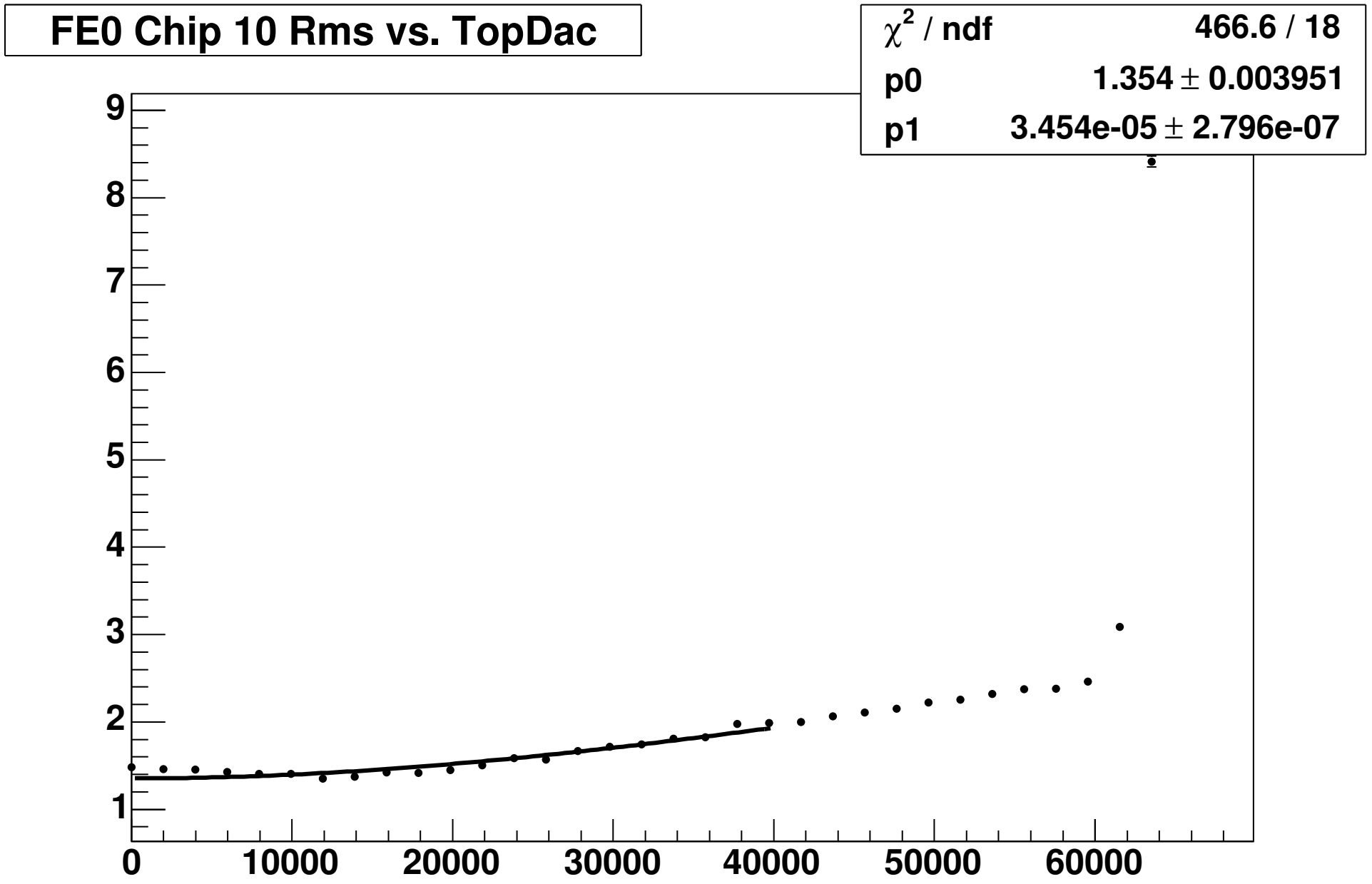
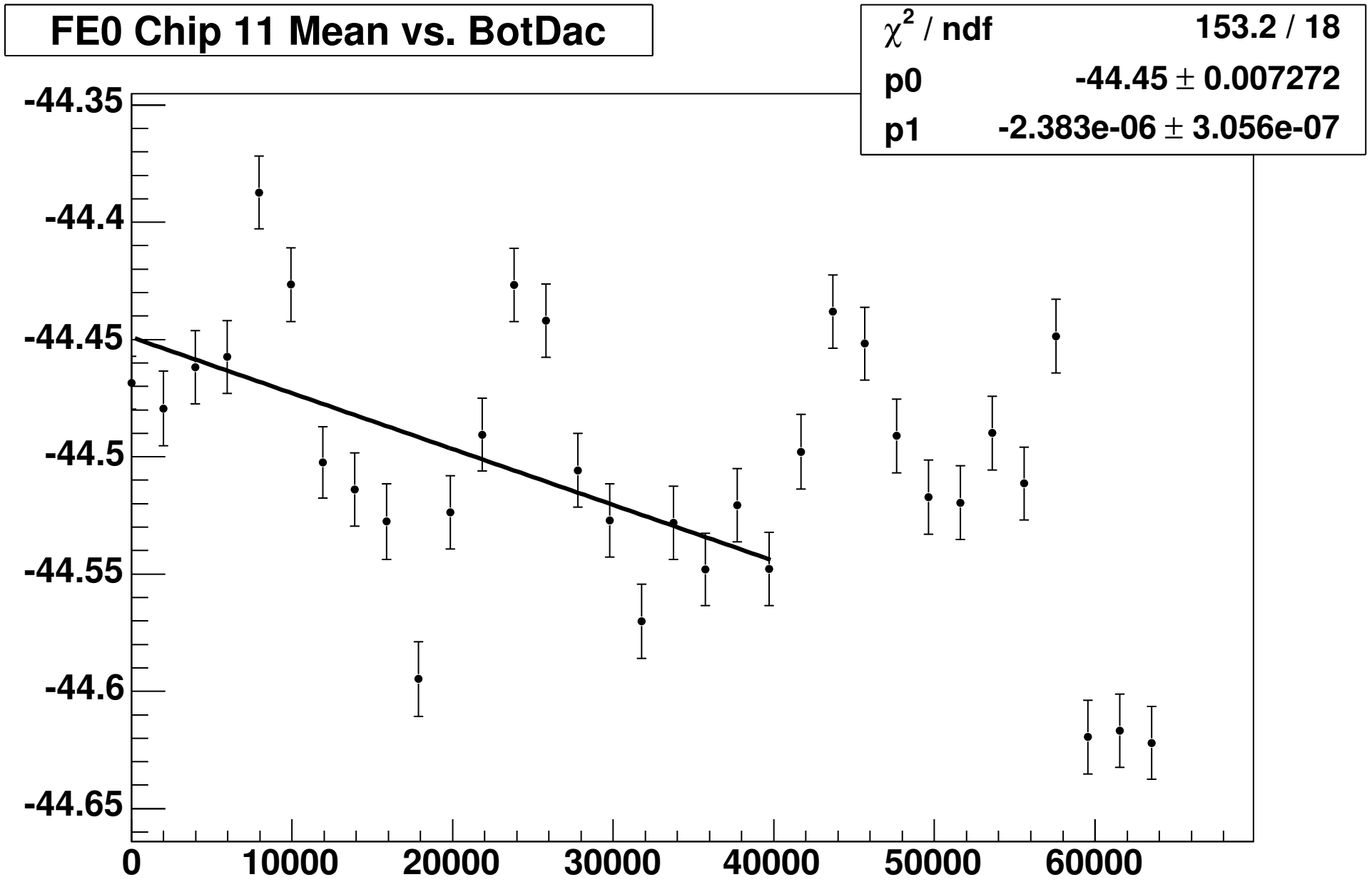
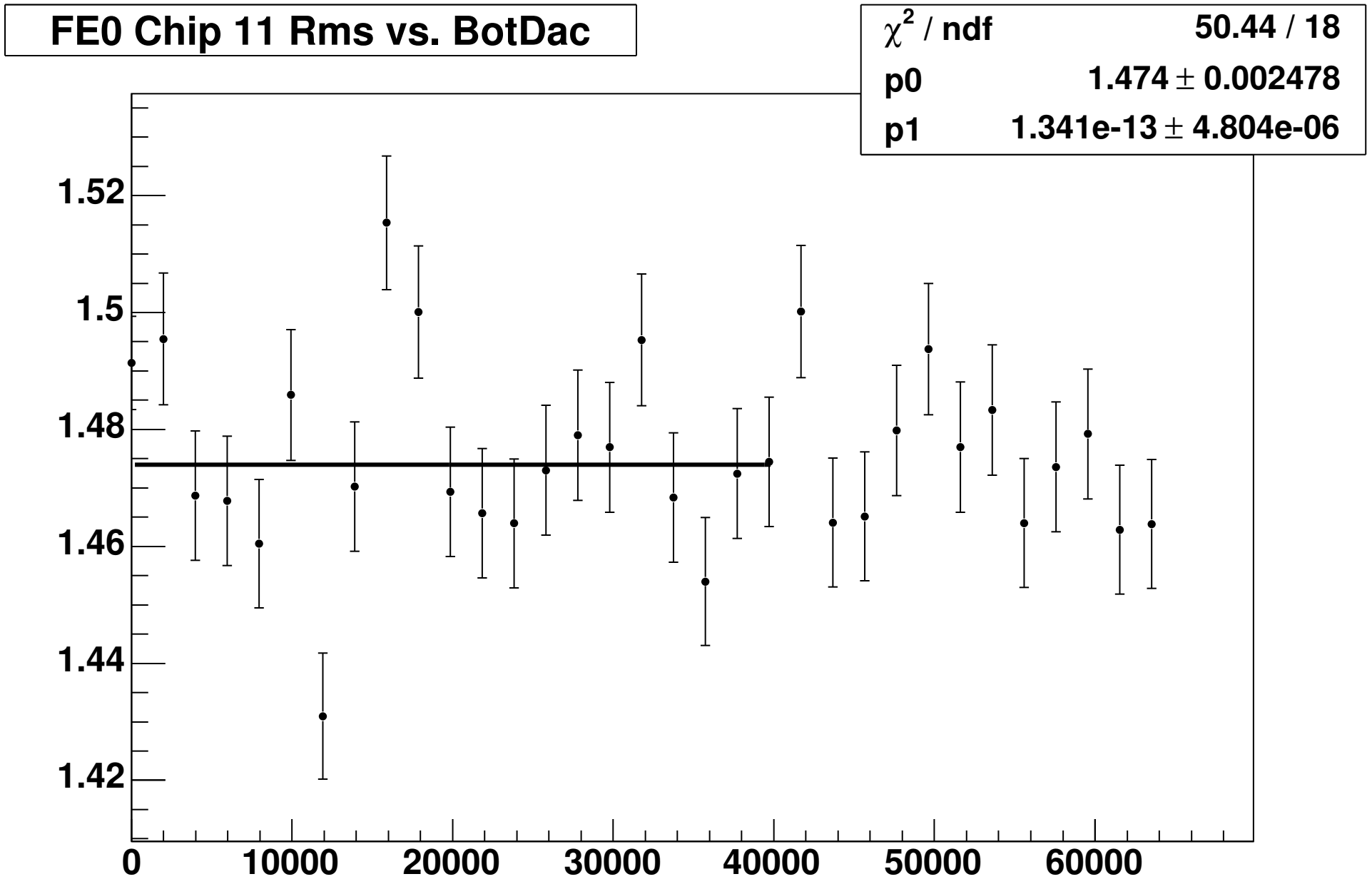
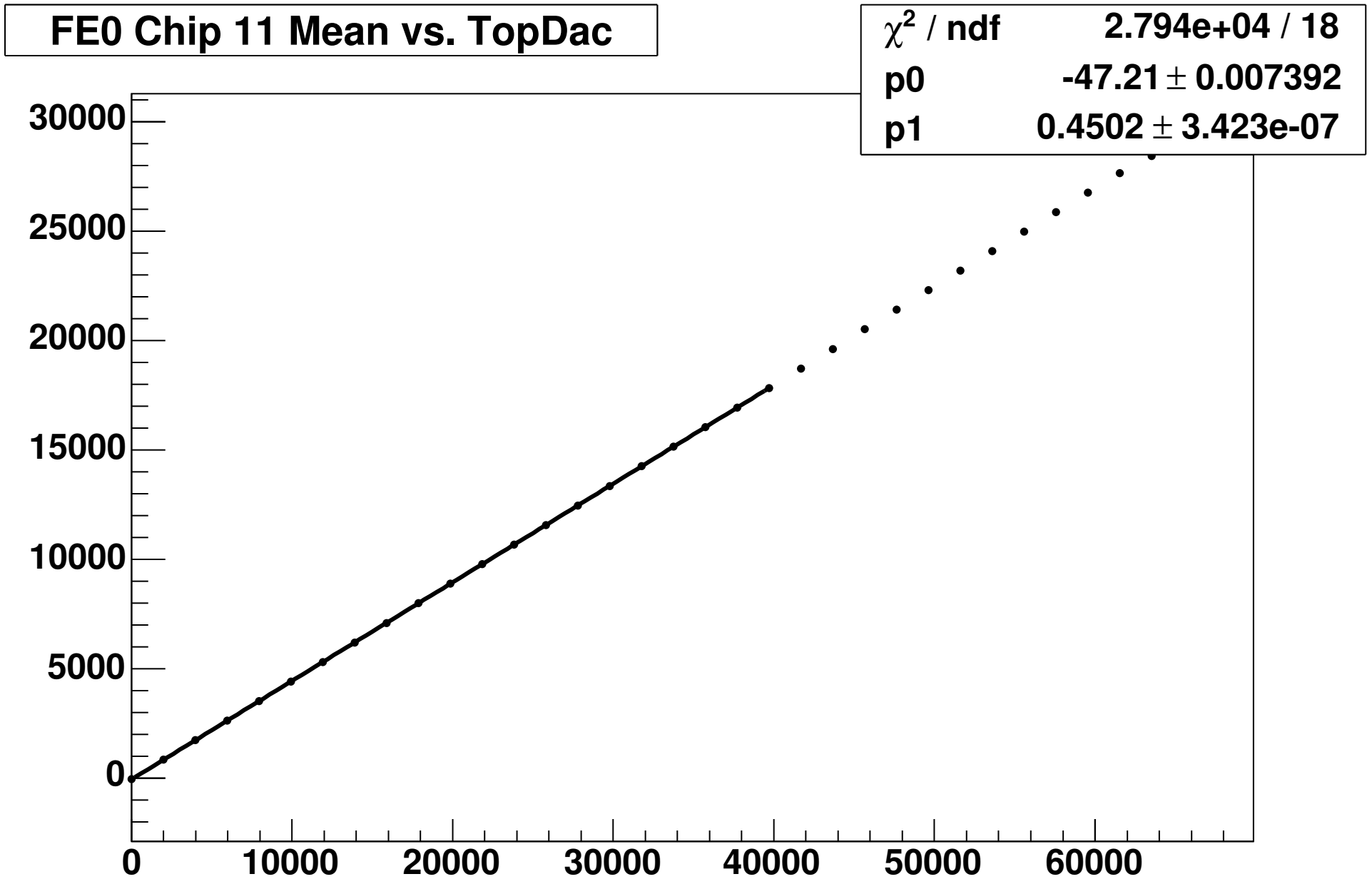
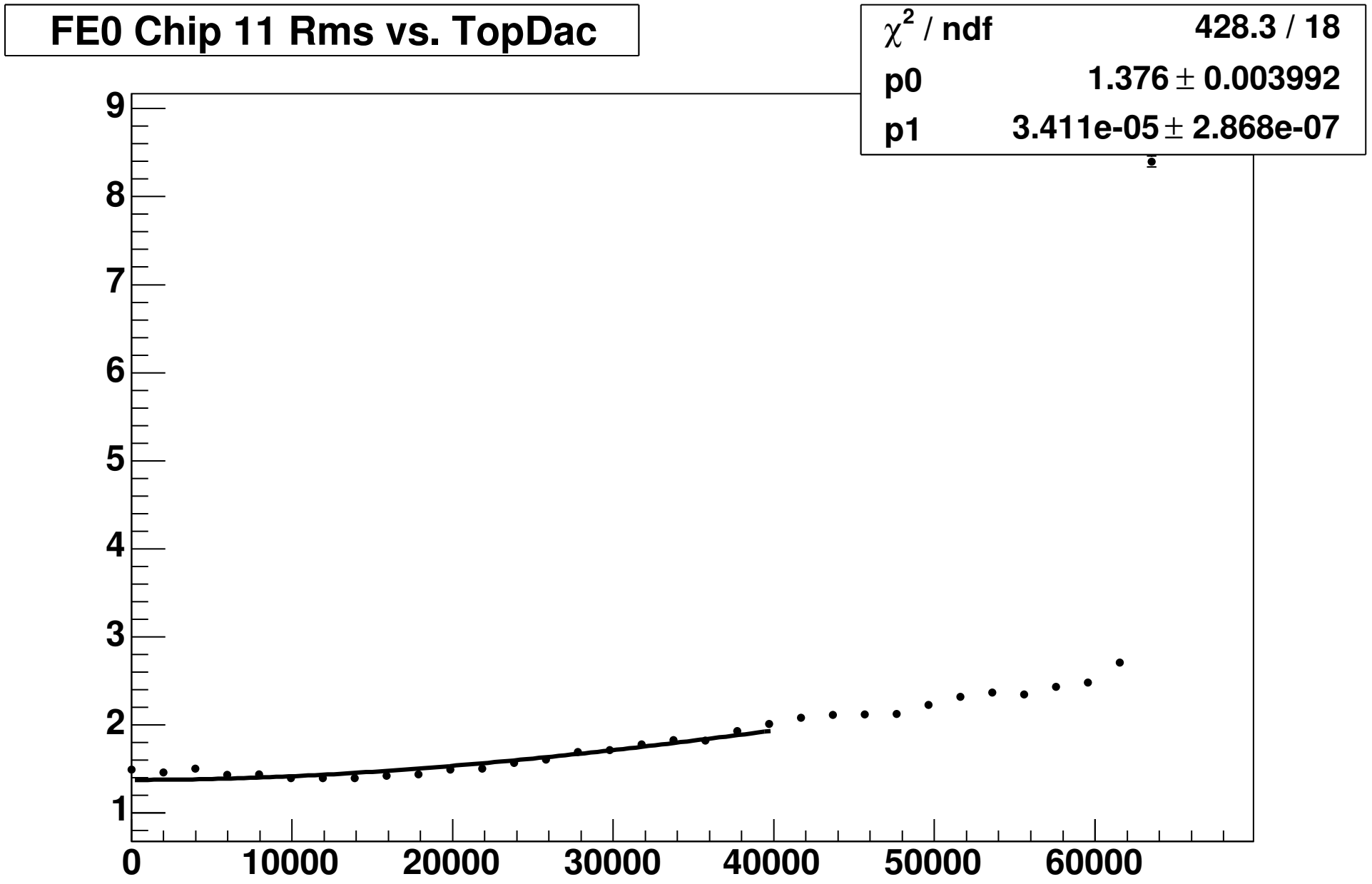
30000
40000
50000
60000

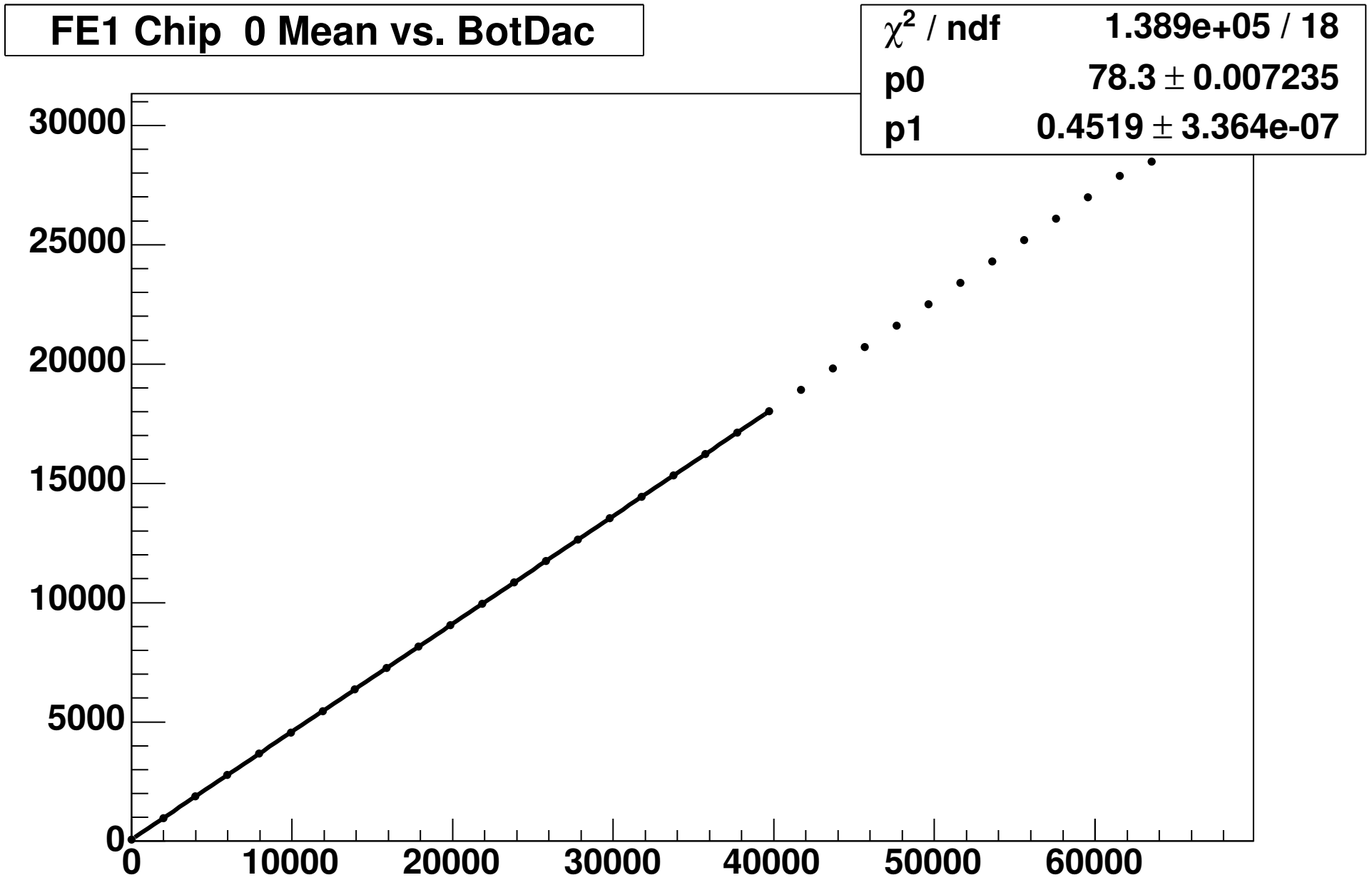

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 466.6 / 18
p0 1.354 ± 0.003951
p1 3.454e-05 ± 2.796e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

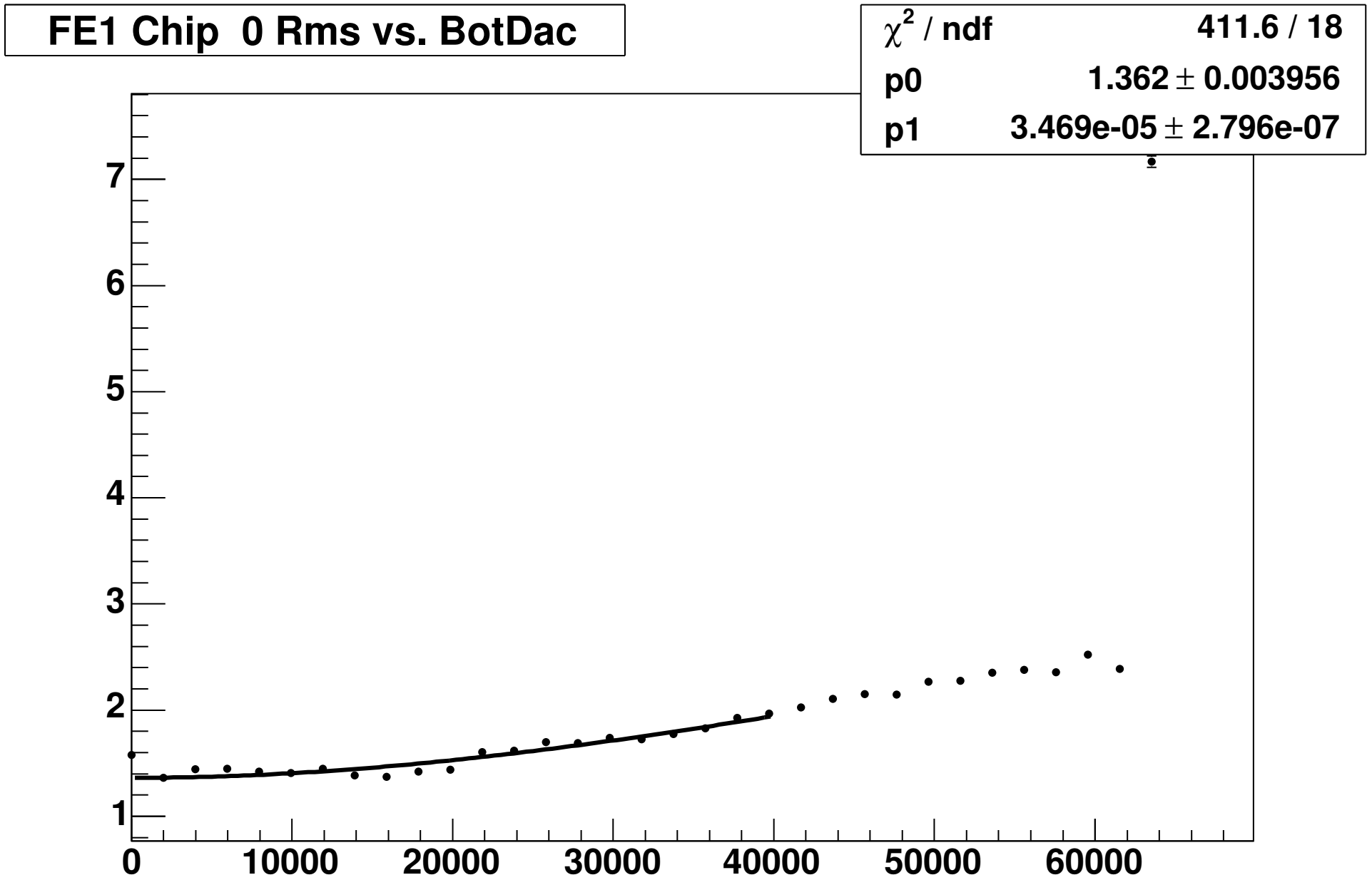

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 153.2 / 18
p0 -44.45 ± 0.007272
p1 -2.383e-06 ± 3.056e-07
-44.35
-44.4
-44.45
-44.5
-44.55
-44.6
-44.65
0
10000
20000
30000
40000
50000
60000

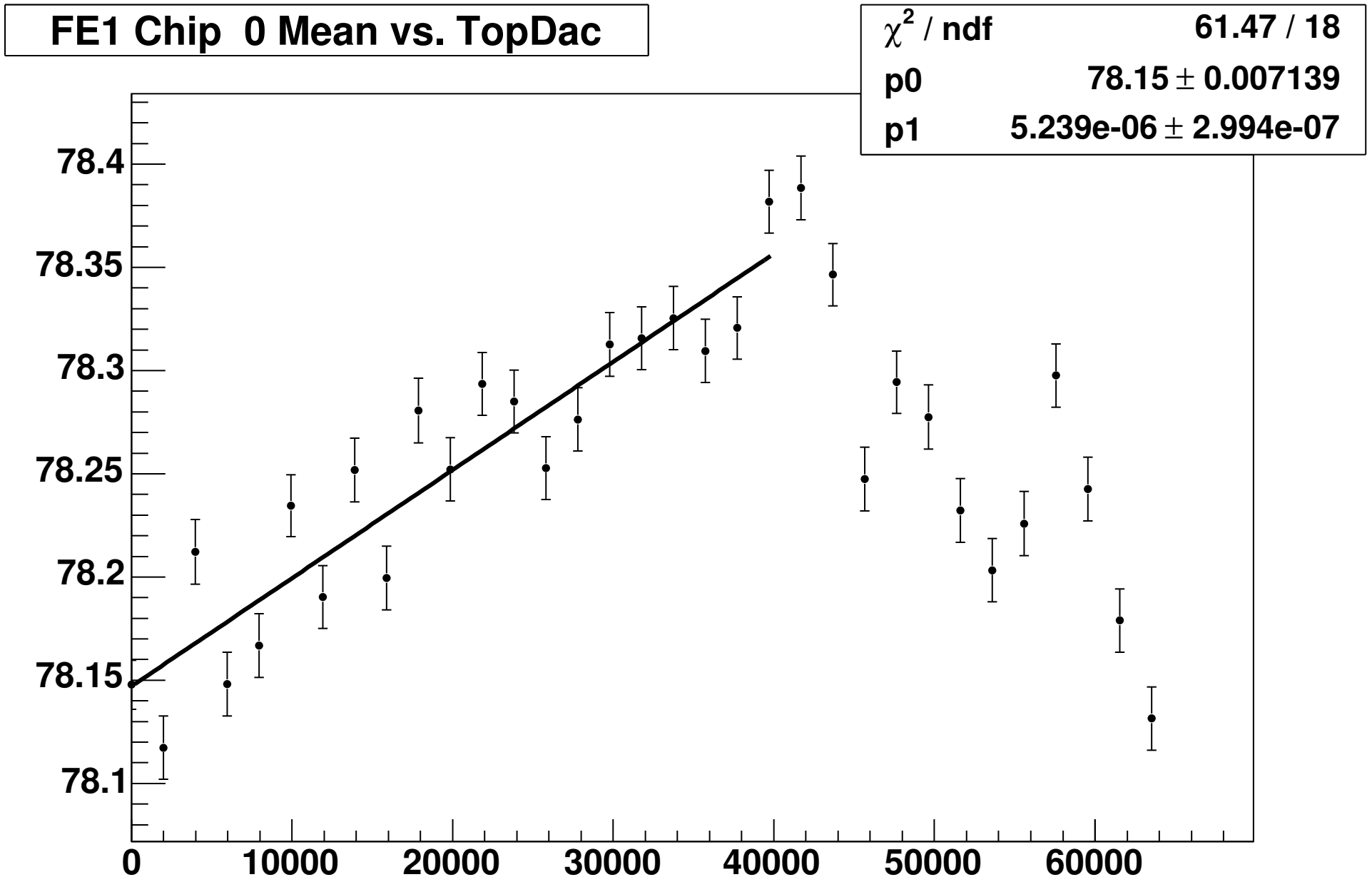

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 50.44 / 18
p0 1.474 ± 0.002478
p1 1.341e-13 ± 4.804e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

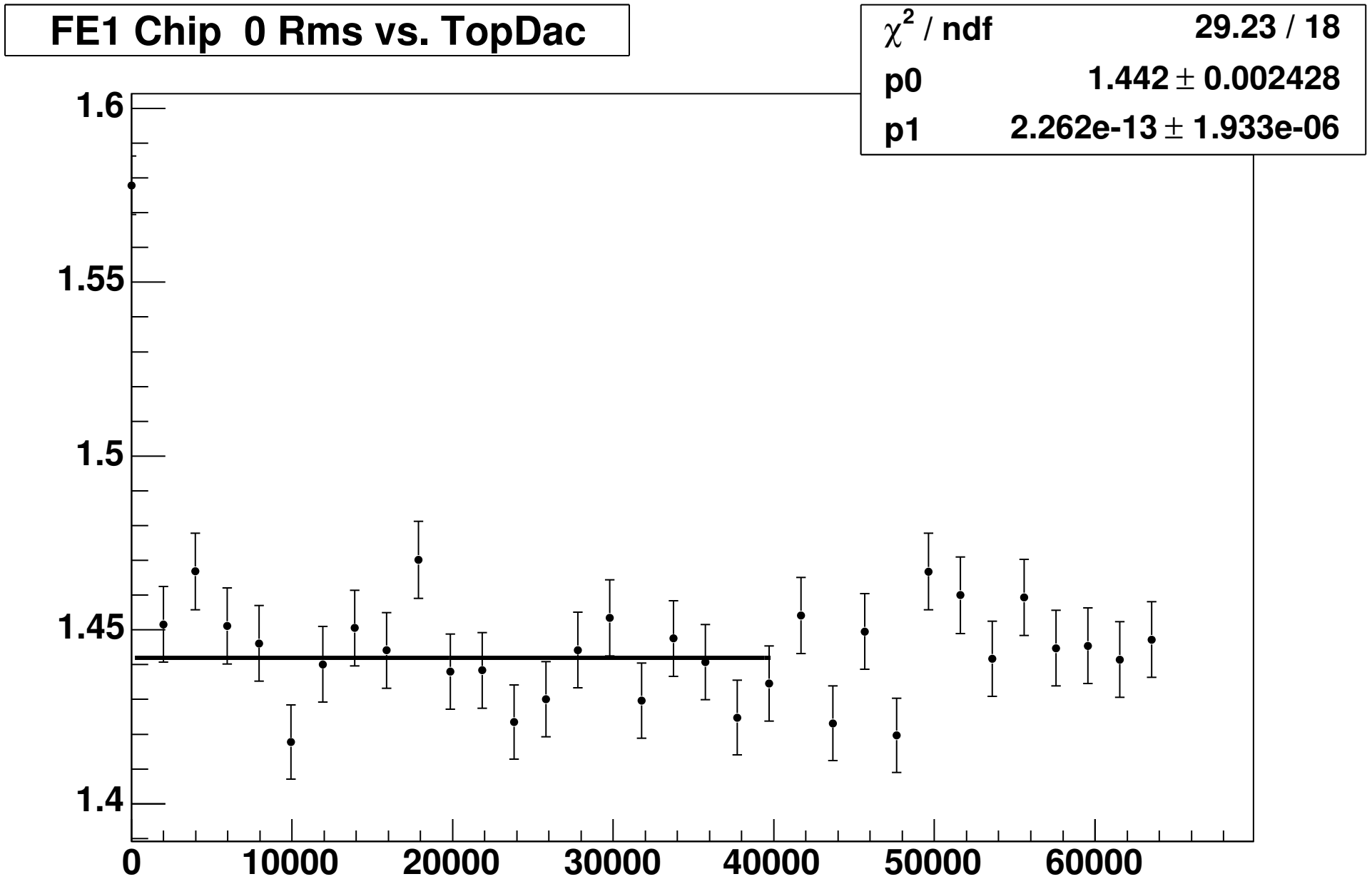

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 2.794e+04 / 18
p0 -47.21 ± 0.007392
p1 0.4502 ± 3.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

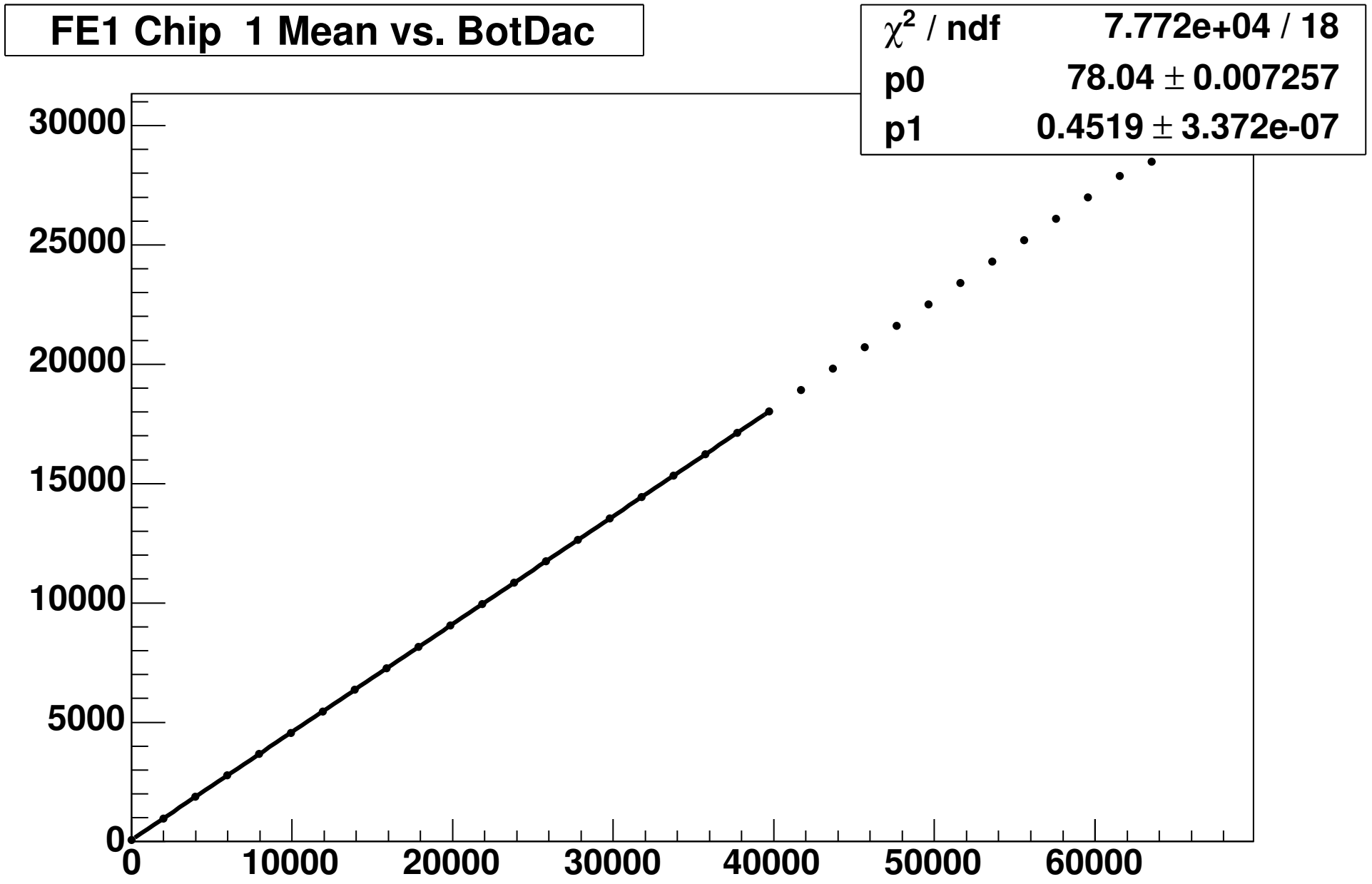

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 428.3 / 18
p0 1.376 ± 0.003992
p1 3.411e-05 ± 2.868e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.389e+05 / 18
p0 78.3 ± 0.007235
p1 0.4519 ± 3.364e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 411.6 / 18
p0 1.362 ± 0.003956
p1 3.469e-05 ± 2.796e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 61.47 / 18
p0 78.15 ± 0.007139
p1 5.239e-06 ± 2.994e-07
78.4
78.35
78.3
78.25
78.2
78.15
78.1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 29.23 / 18
p0 1.442 ± 0.002428
p1 2.262e-13 ± 1.933e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 7.772e+04 / 18
p0 78.04 ± 0.007257
p1 0.4519 ± 3.372e-07
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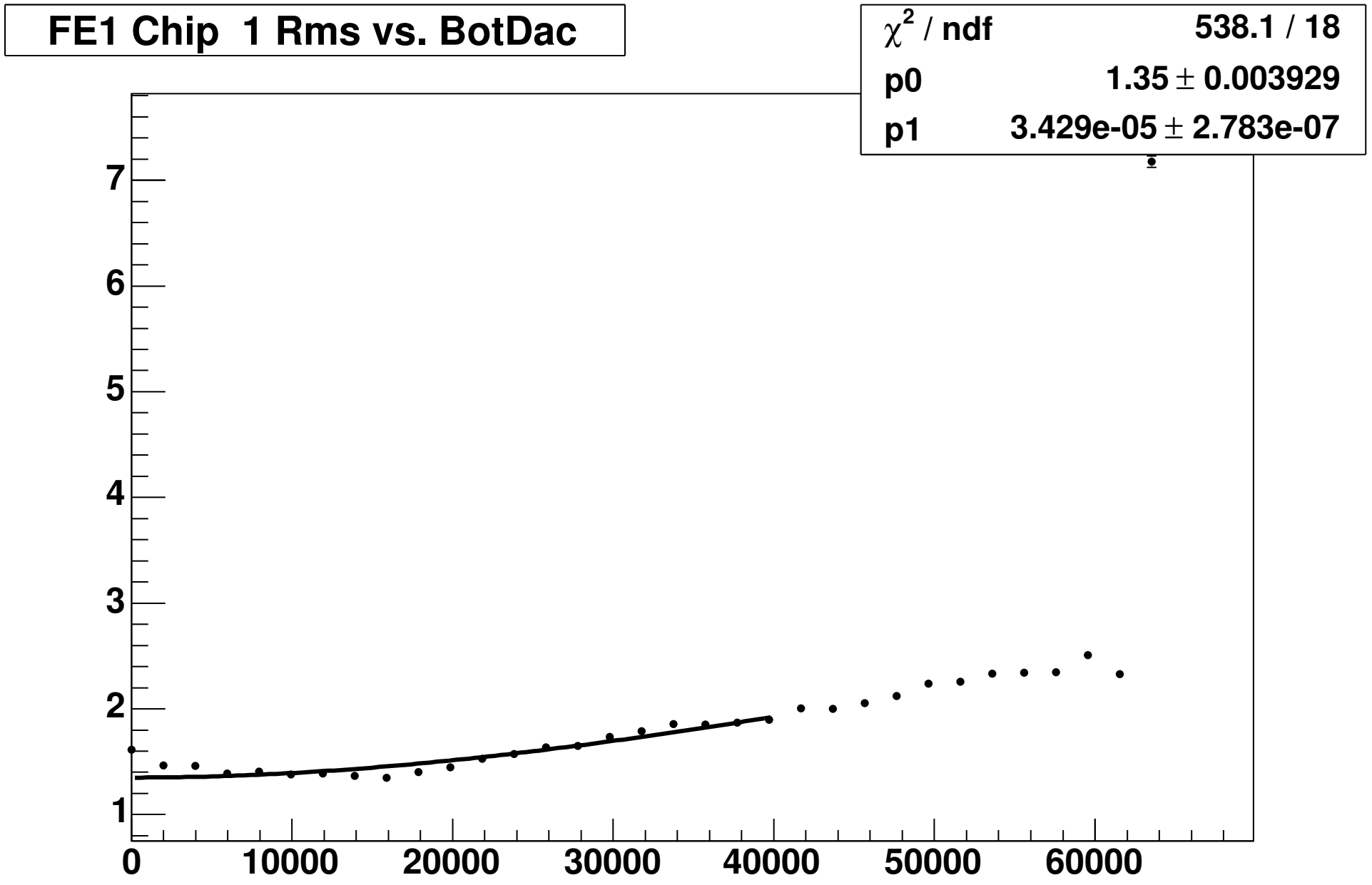
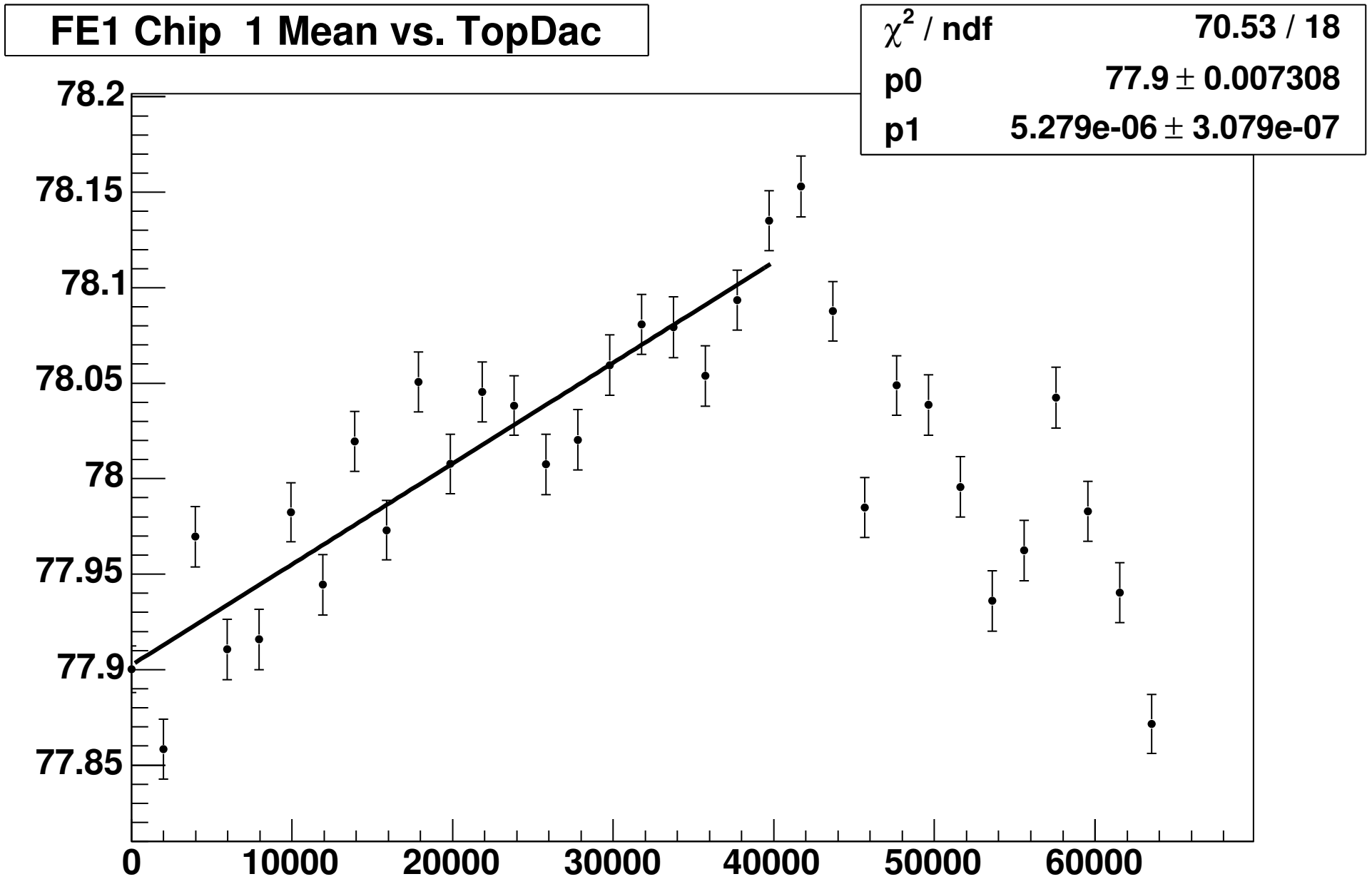
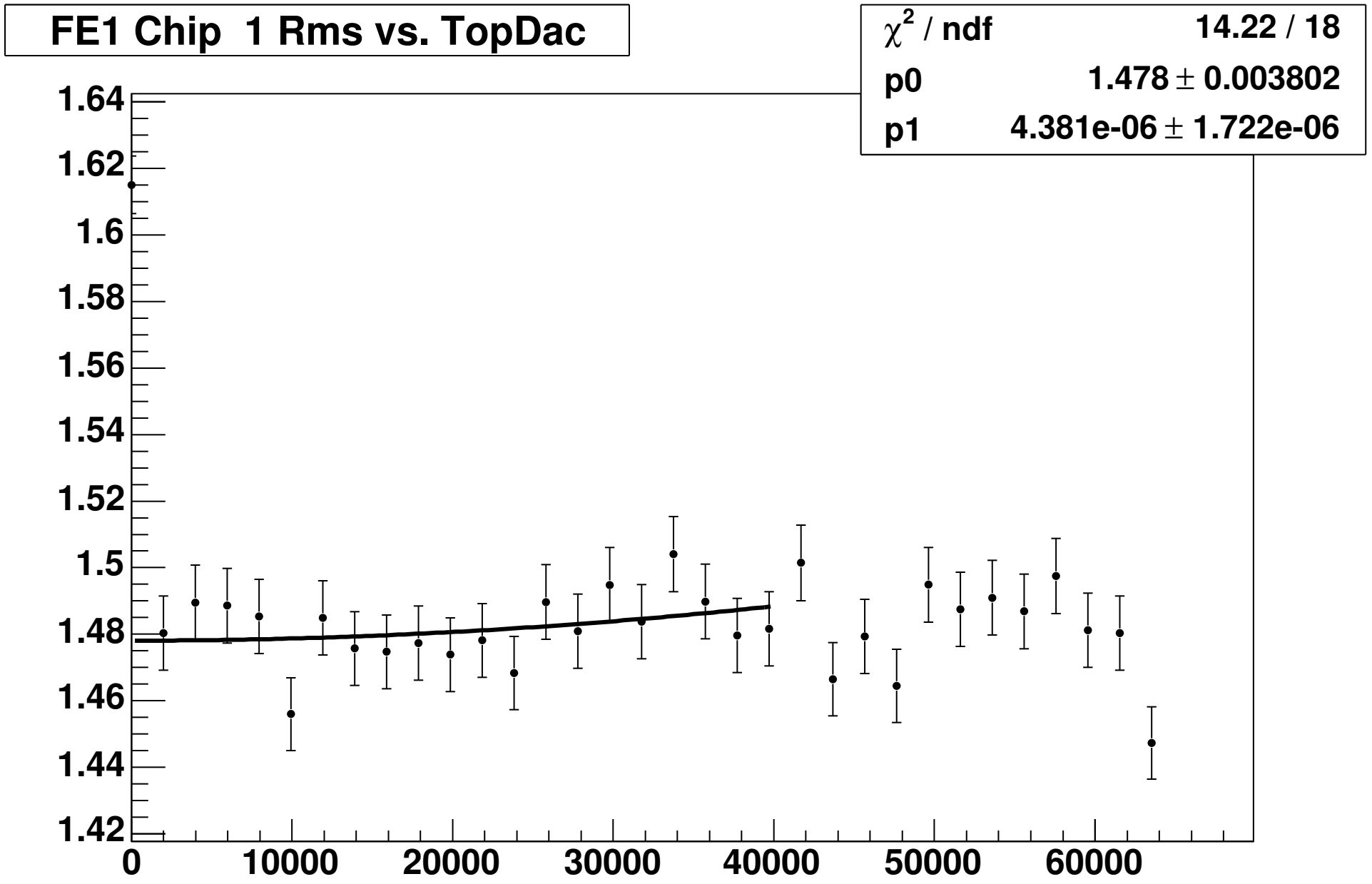
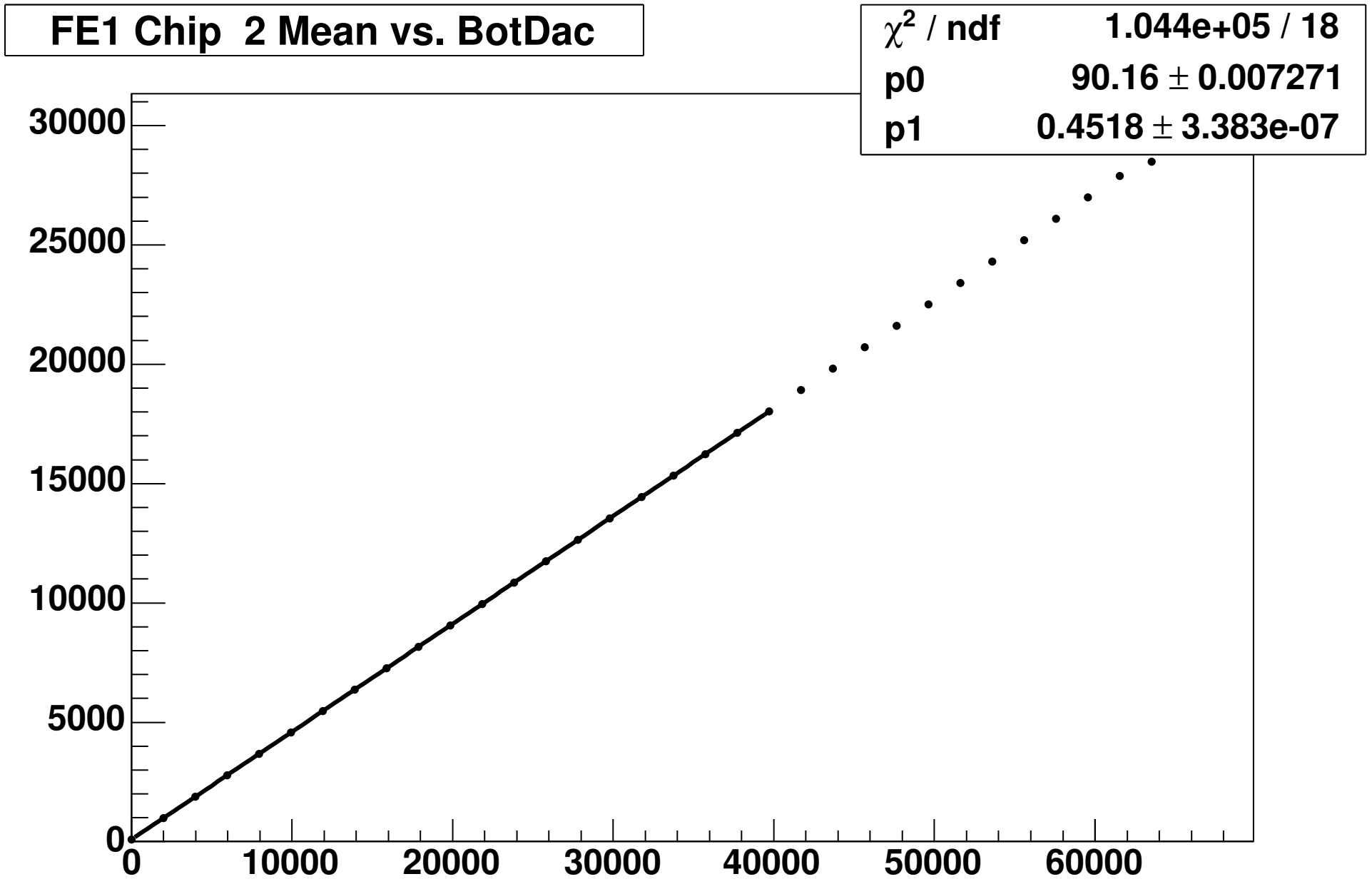
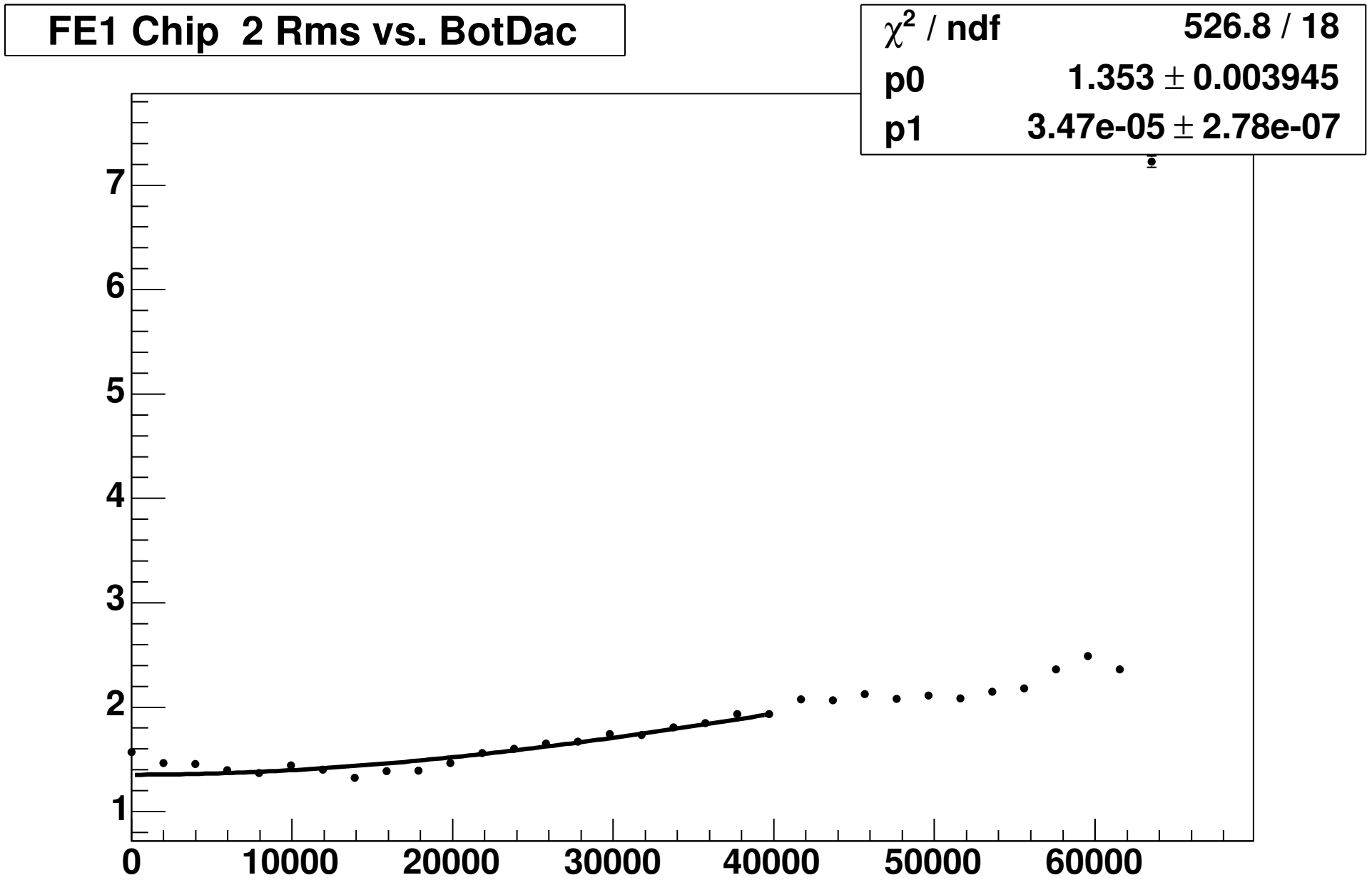
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

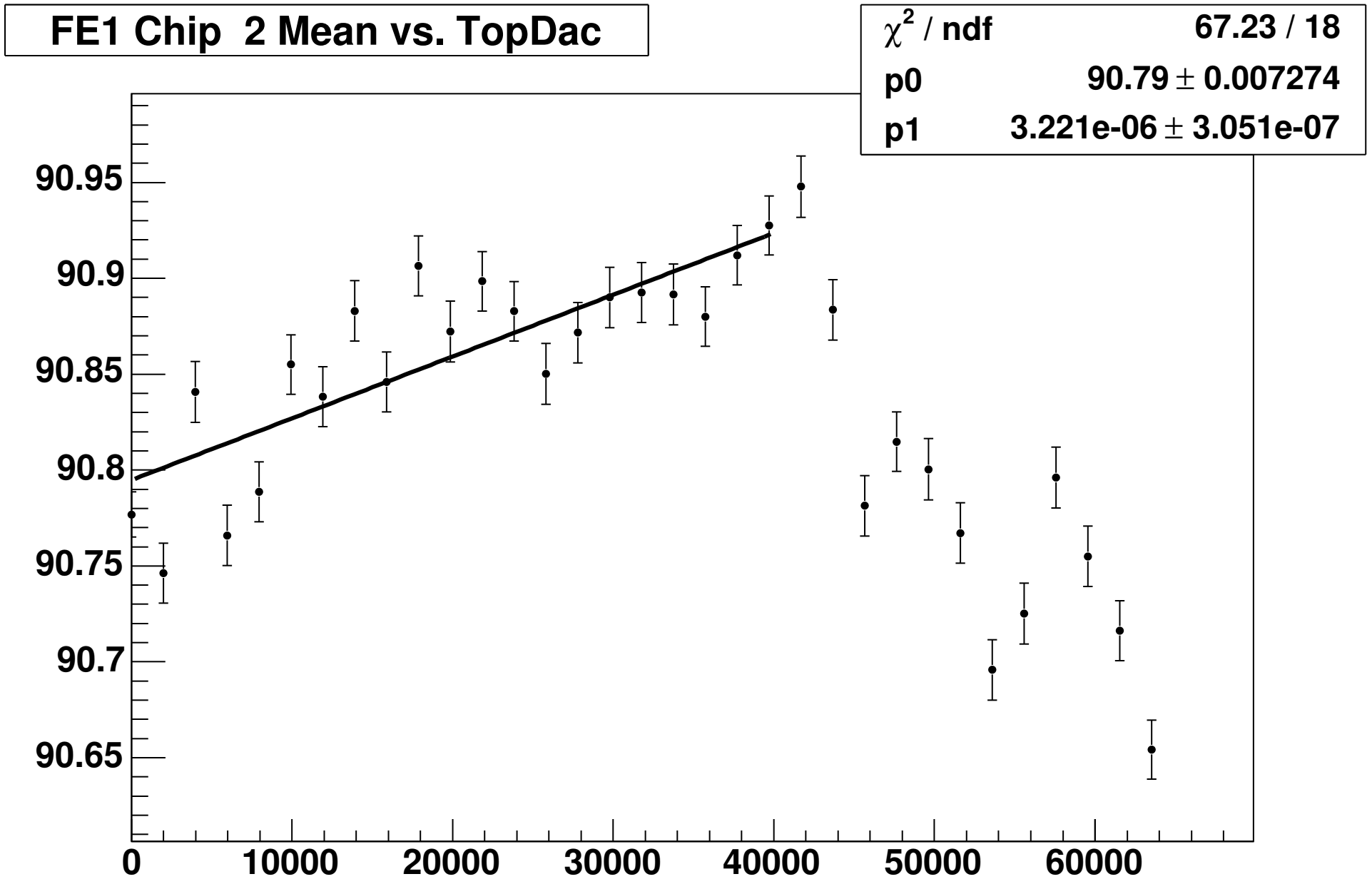

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 538.1 / 18
p0 1.35 ± 0.003929
p1 3.429e-05 ± 2.783e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

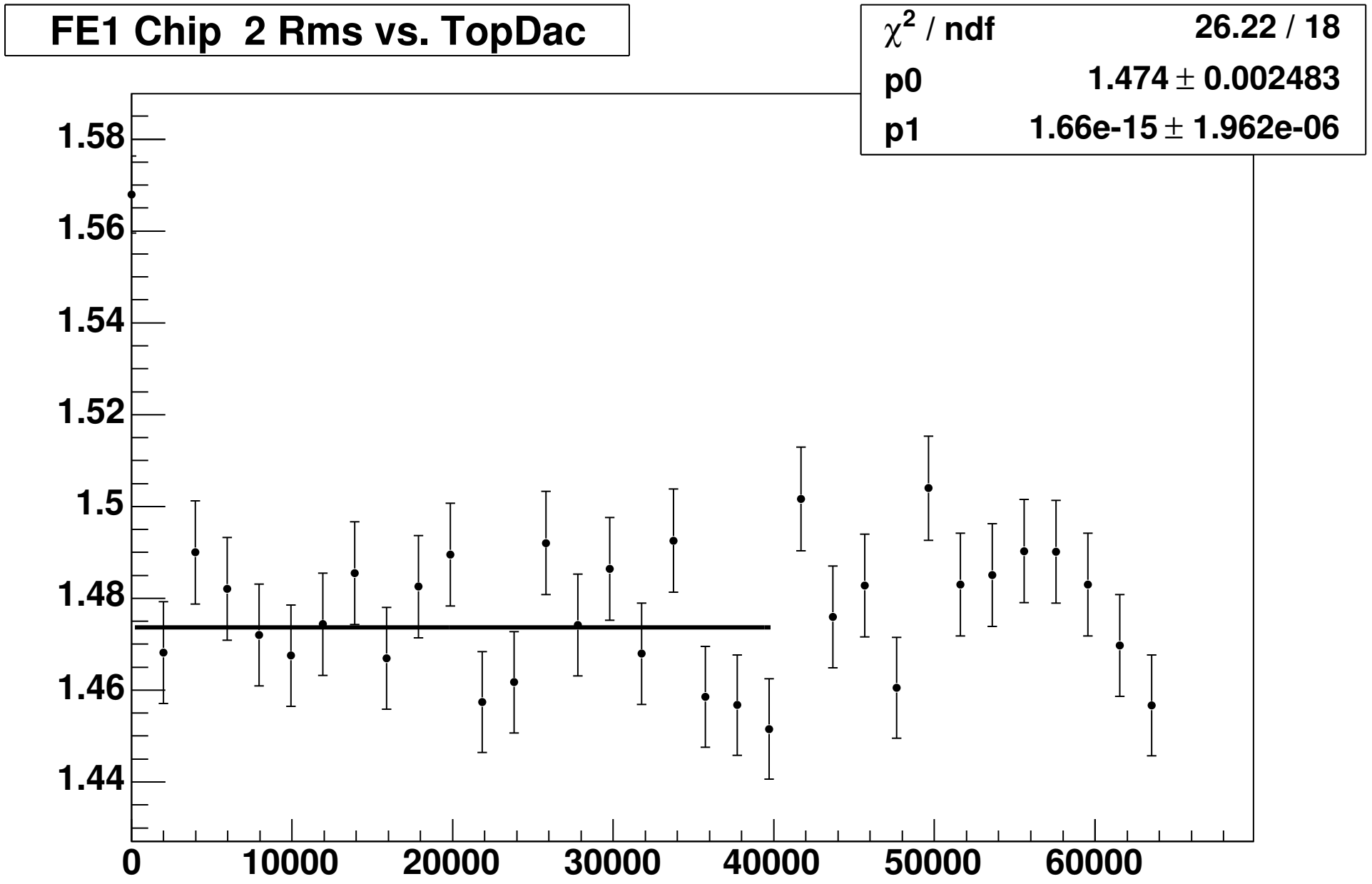

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 70.53 / 18
p0 77.9 ± 0.007308
p1 5.279e-06 ± 3.079e-07
78.2
78.15
78.1
78.05
78
77.95
77.9
77.85
0
10000
20000
30000
40000
50000
60000

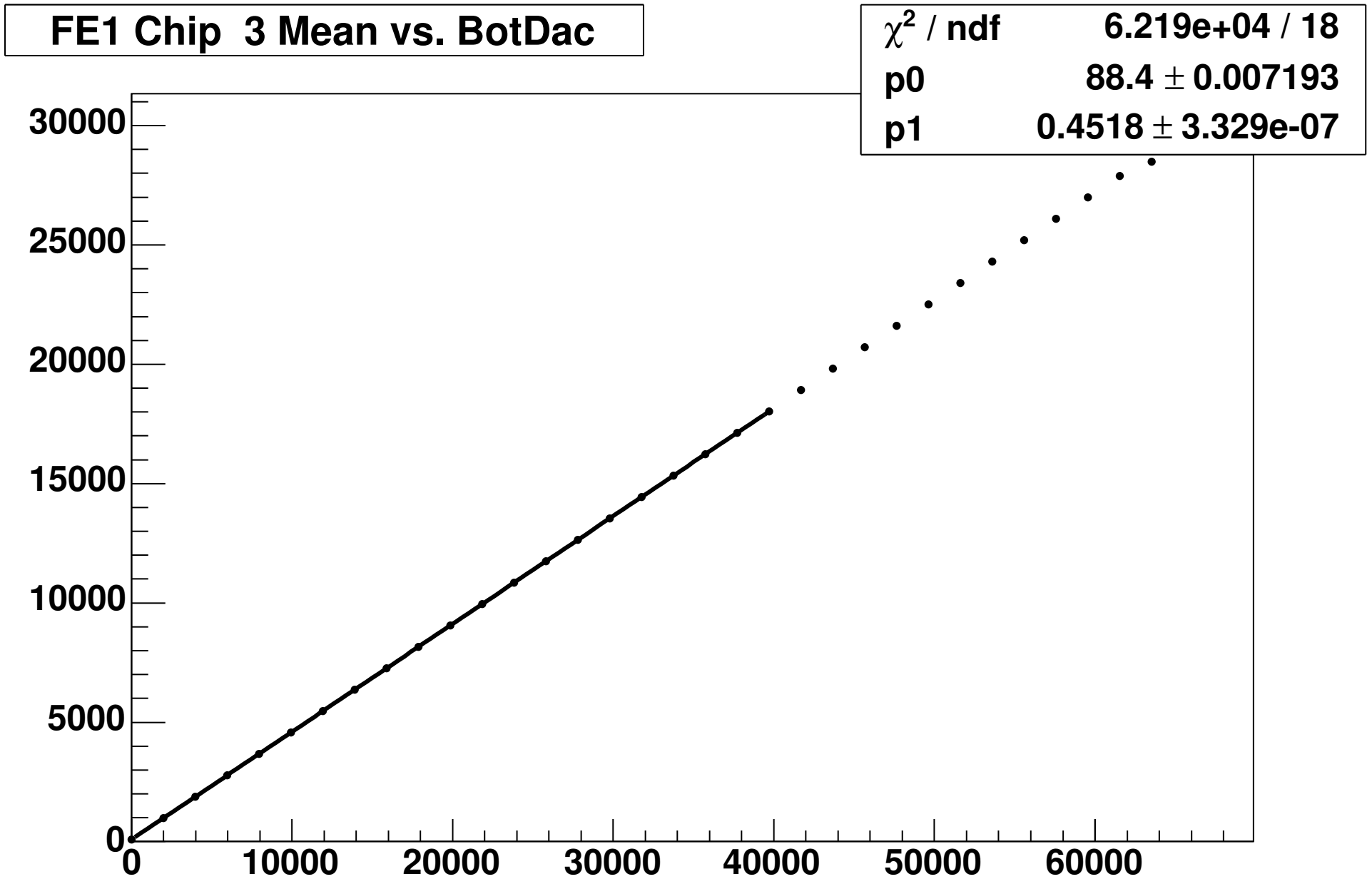

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 14.22 / 18
p0 1.478 ± 0.003802
p1 4.381e-06 ± 1.722e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

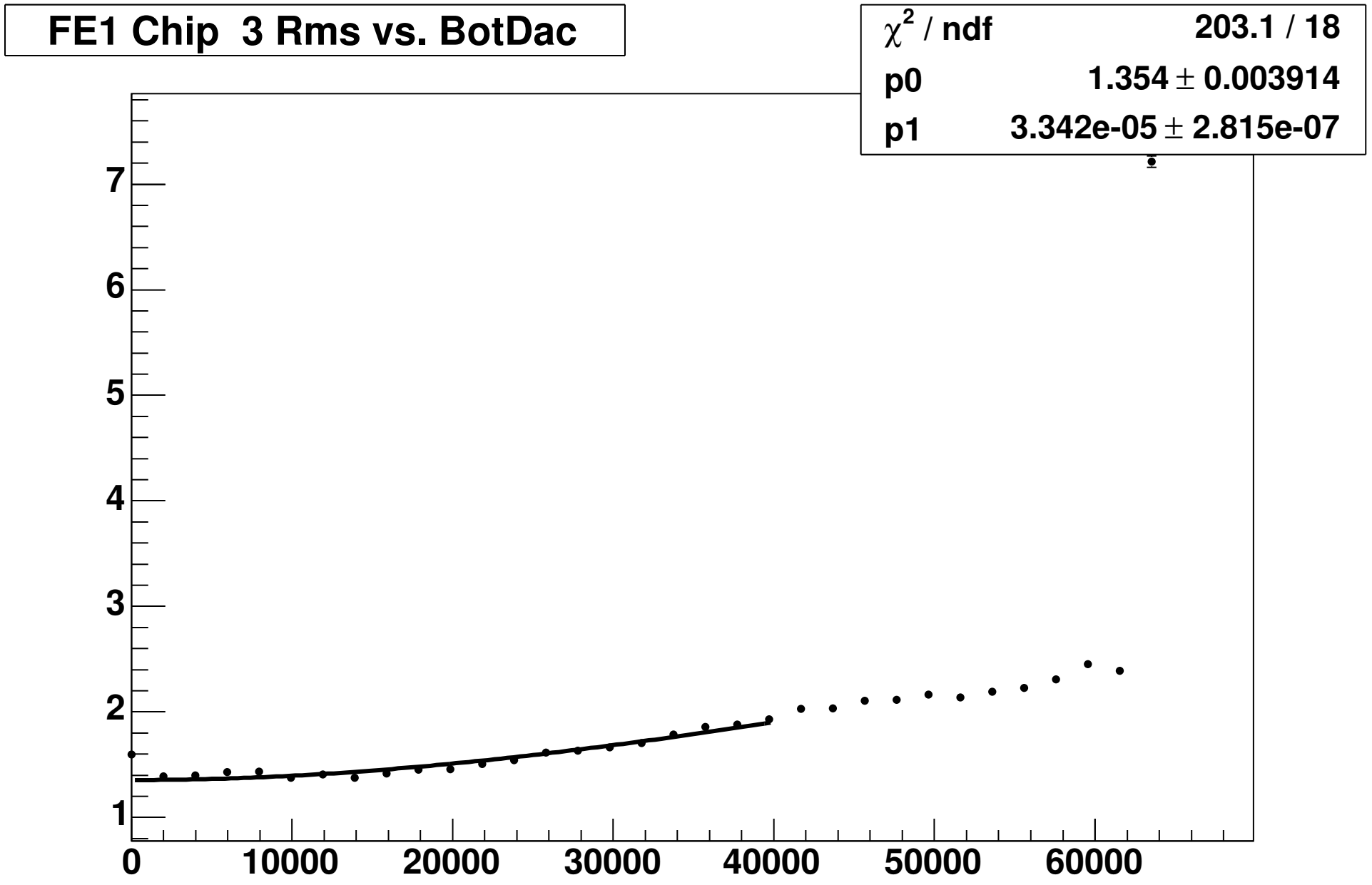

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.044e+05 / 18
p0 90.16 ± 0.007271
p1 0.4518 ± 3.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

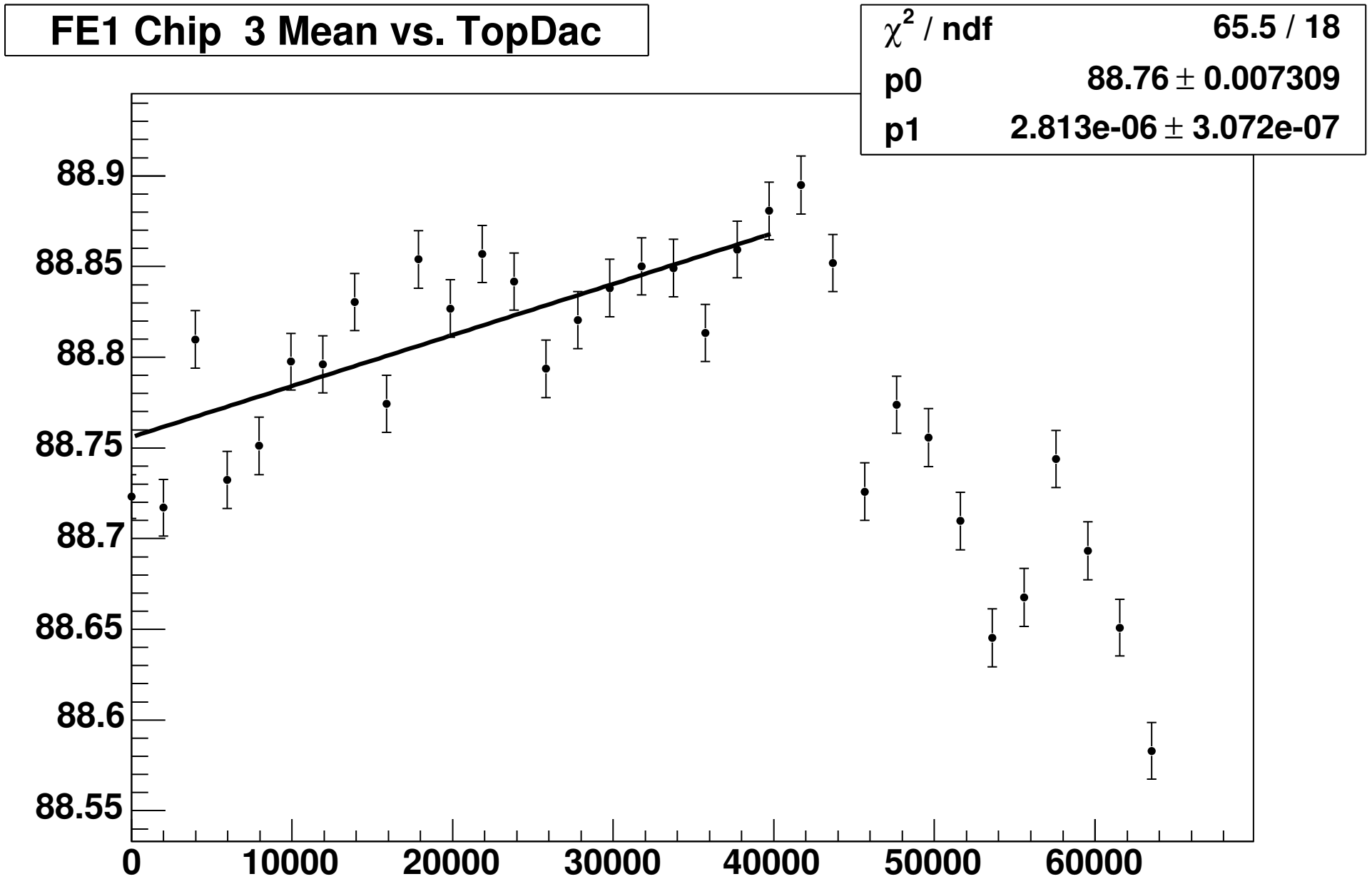

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 526.8 / 18
p0 1.353 ± 0.003945
p1 3.47e-05 ± 2.78e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

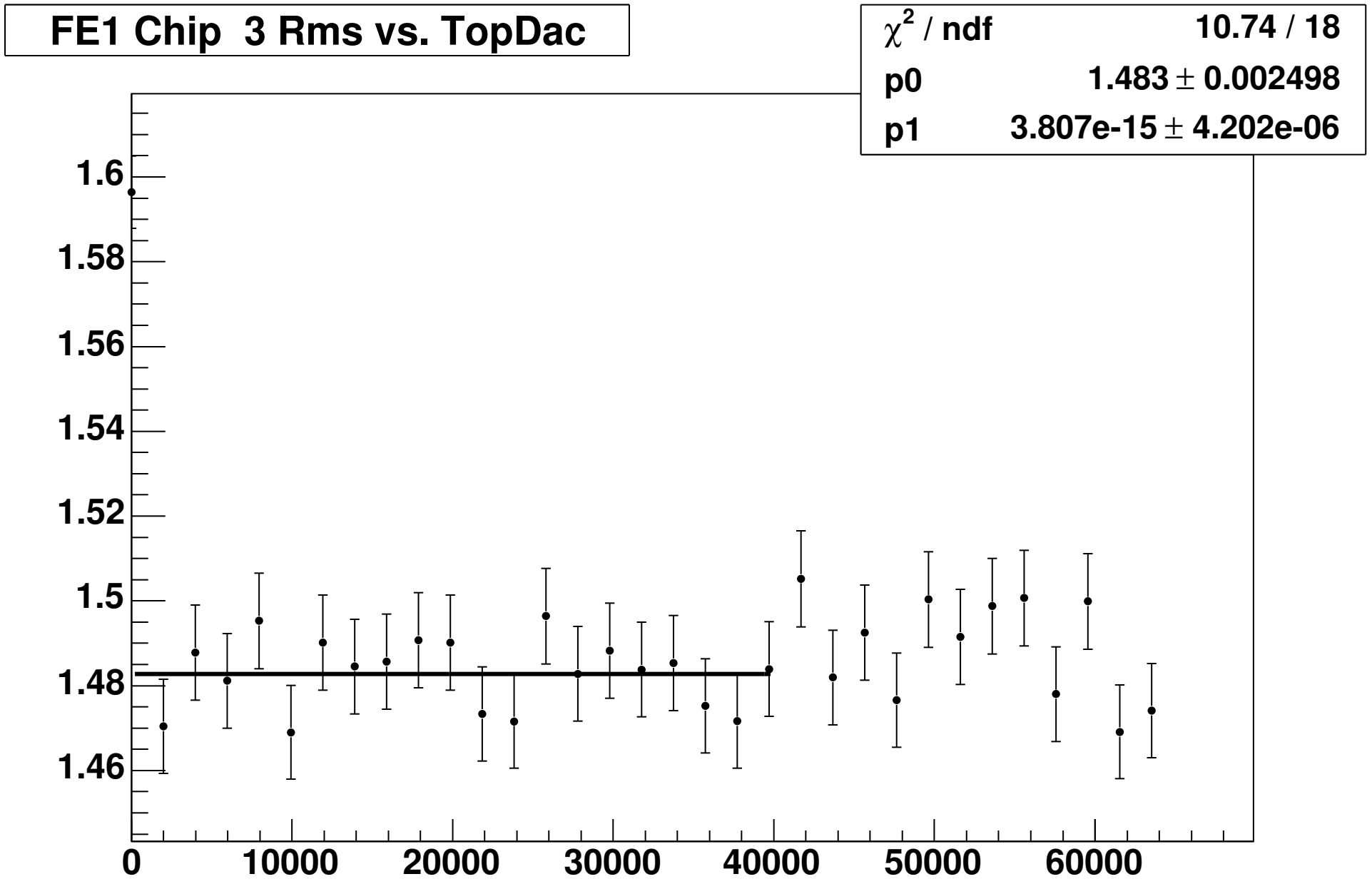

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 67.23 / 18
p0 90.79 ± 0.007274
p1 3.221e-06 ± 3.051e-07
90.95
90.9
90.85
90.8
90.75
90.7
90.65
0
10000
20000
30000
40000
50000
60000

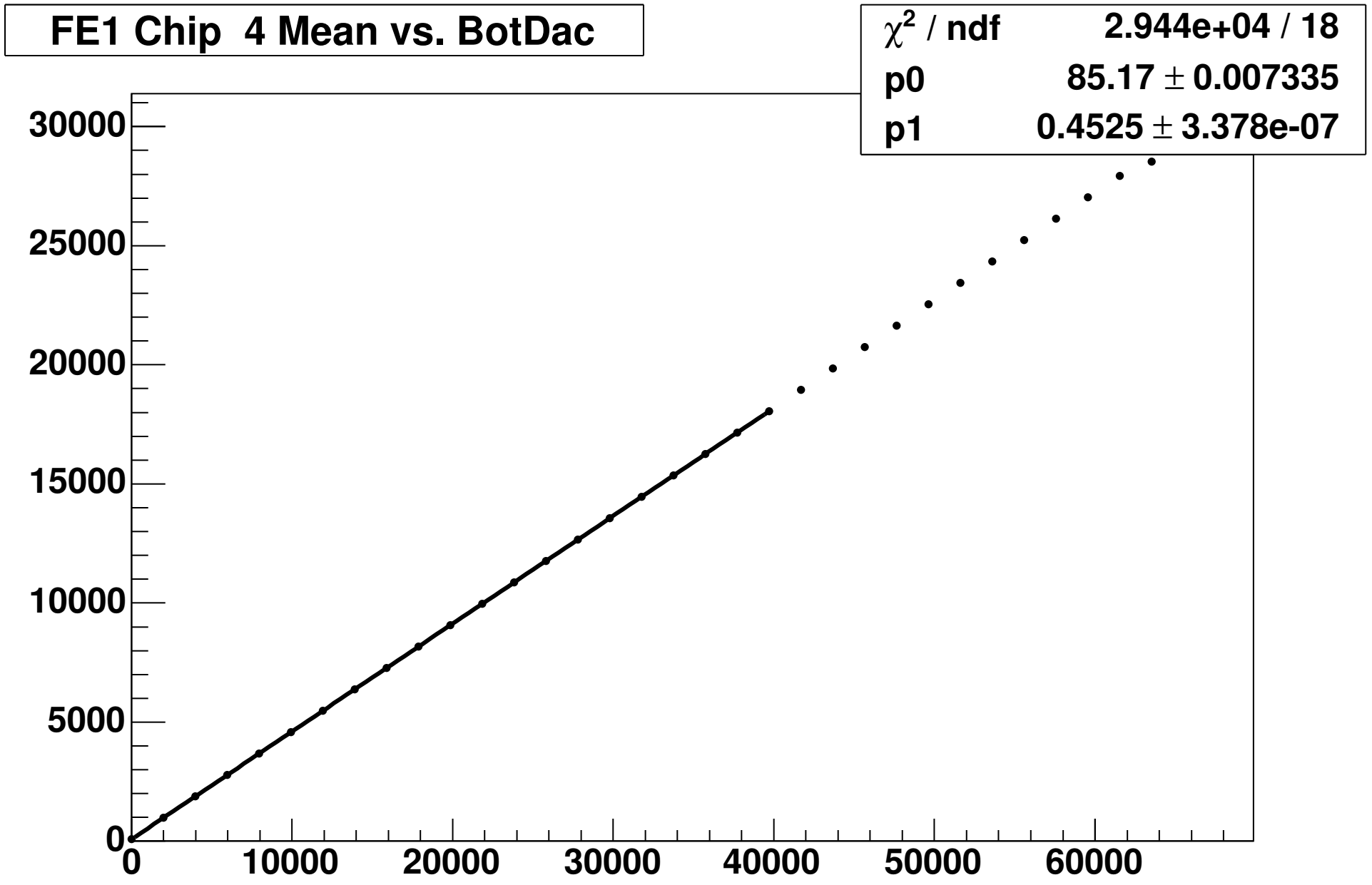

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 26.22 / 18
p0 1.474 ± 0.002483
p1 1.66e-15 ± 1.962e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

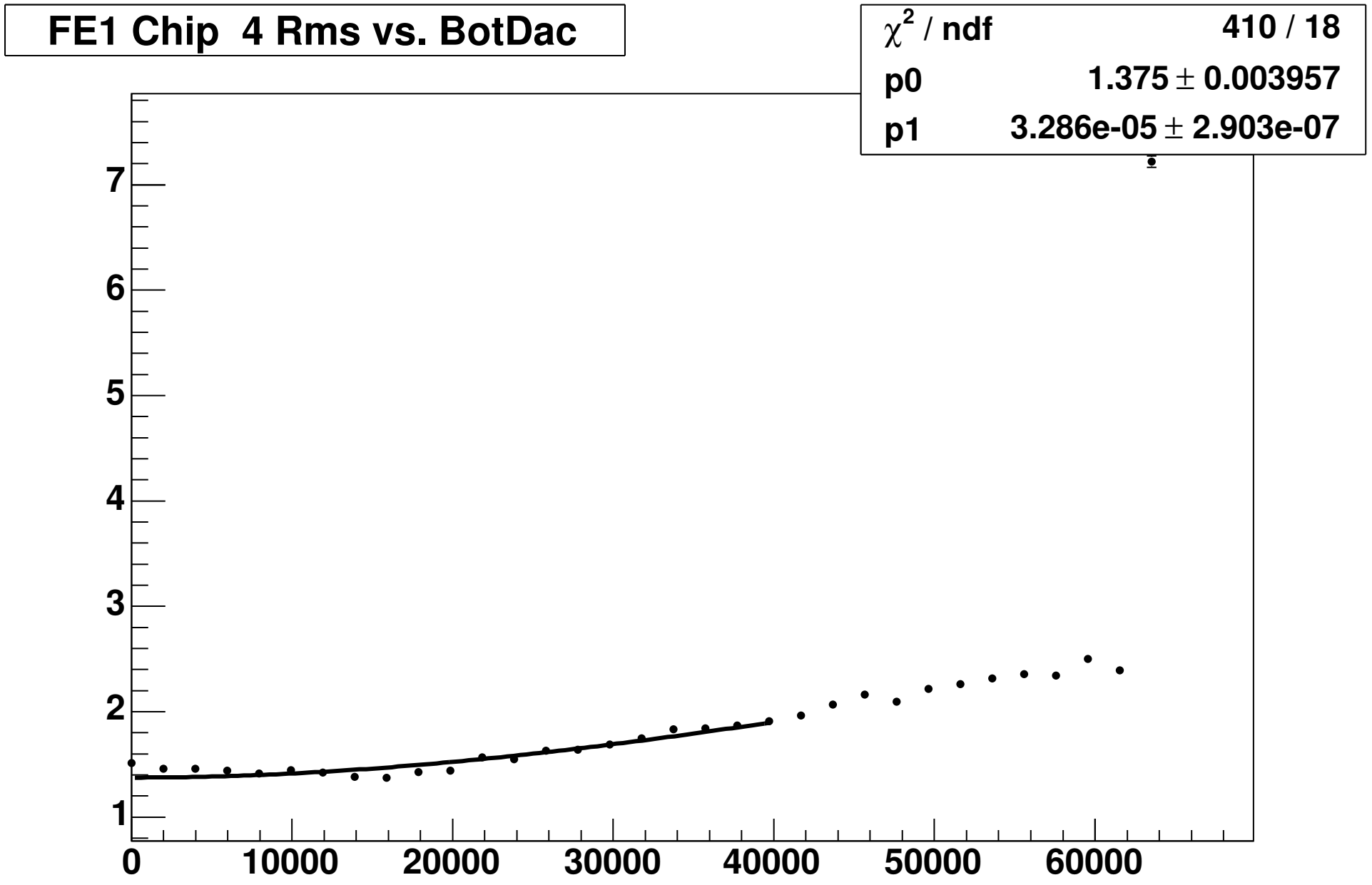

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 6.219e+04 / 18
p0 88.4 ± 0.007193
p1 0.4518 ± 3.329e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

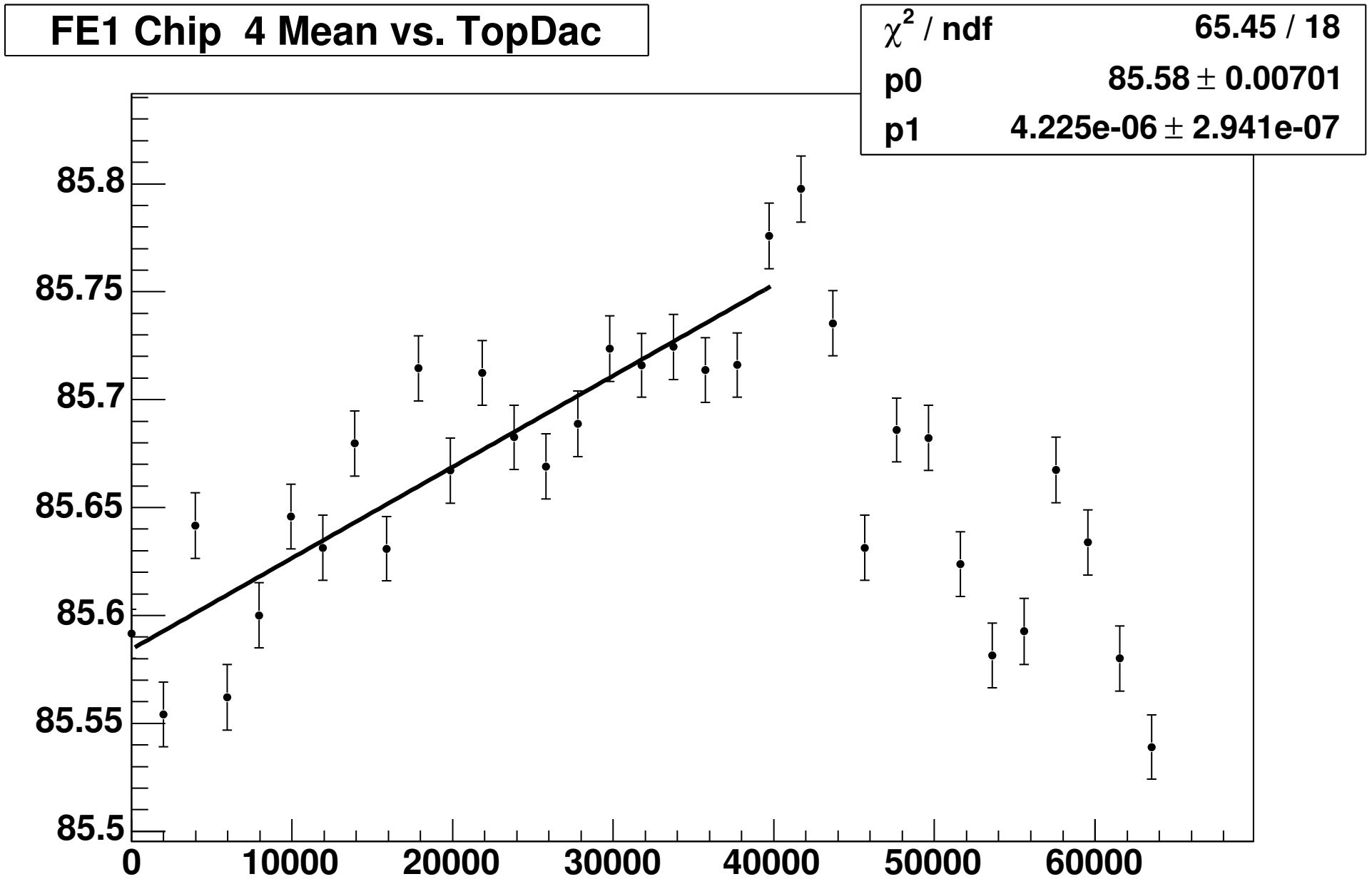

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 203.1 / 18
p0 1.354 ± 0.003914
p1 3.342e-05 ± 2.815e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 65.5 / 18
p0 88.76 ± 0.007309
p1 2.813e-06 ± 3.072e-07
88.9
88.85
88.8
88.75
88.7
88.65
88.6
88.55
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 10.74 / 18
p0 1.483 ± 0.002498
p1 3.807e-15 ± 4.202e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 2.944e+04 / 18
p0 85.17 ± 0.007335
p1 0.4525 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 410 / 18
p0 1.375 ± 0.003957
p1 3.286e-05 ± 2.903e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 65.45 / 18
p0 85.58 ± 0.00701
p1 4.225e-06 ± 2.941e-07
85.8
85.75
85.7
85.65
85.6
85.55
85.5
0
10000
20000
30000
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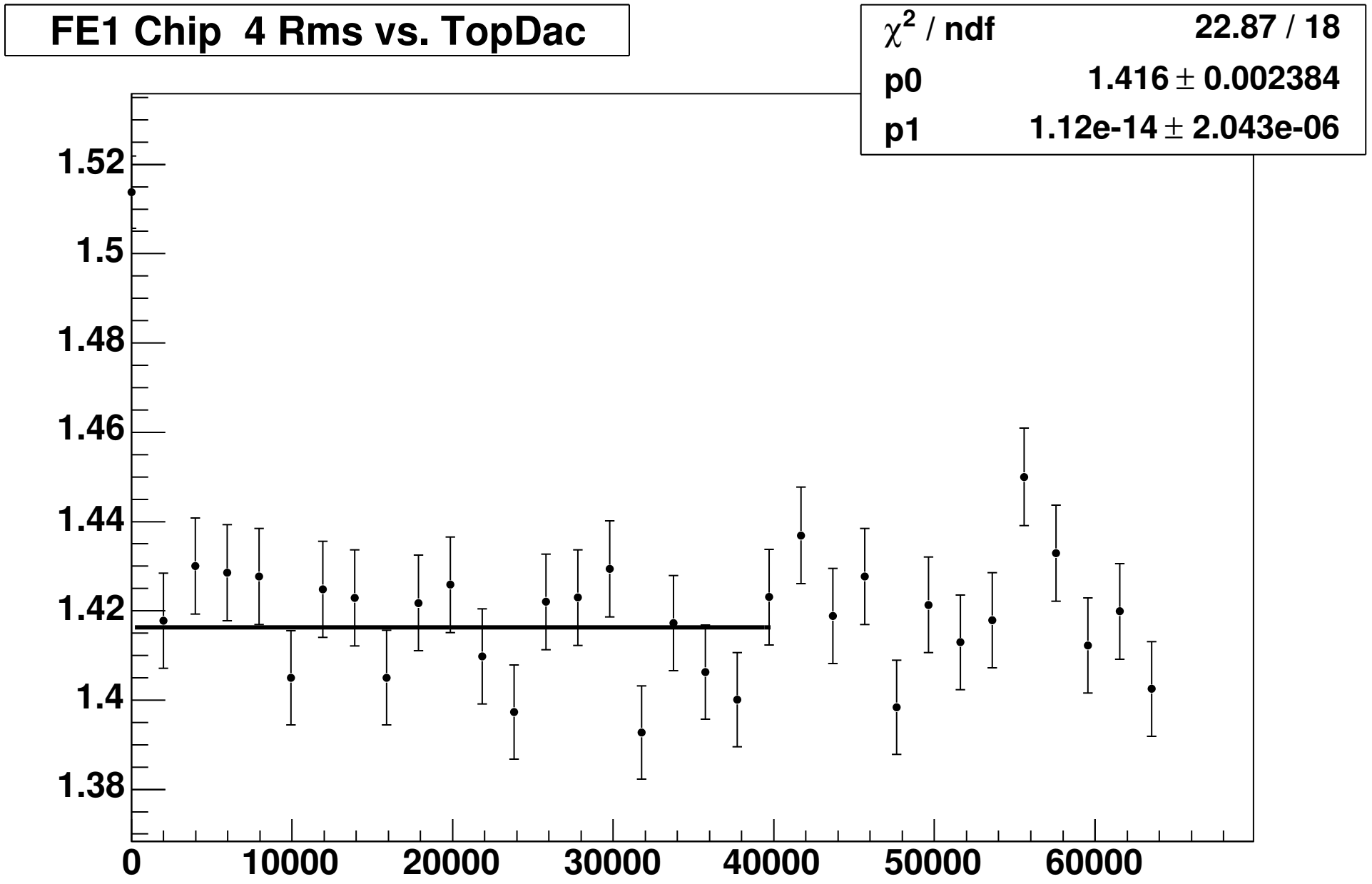
60000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 22.87 / 18
p0 1.416 ± 0.002384
p1 1.12e-14 ± 2.043e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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50000
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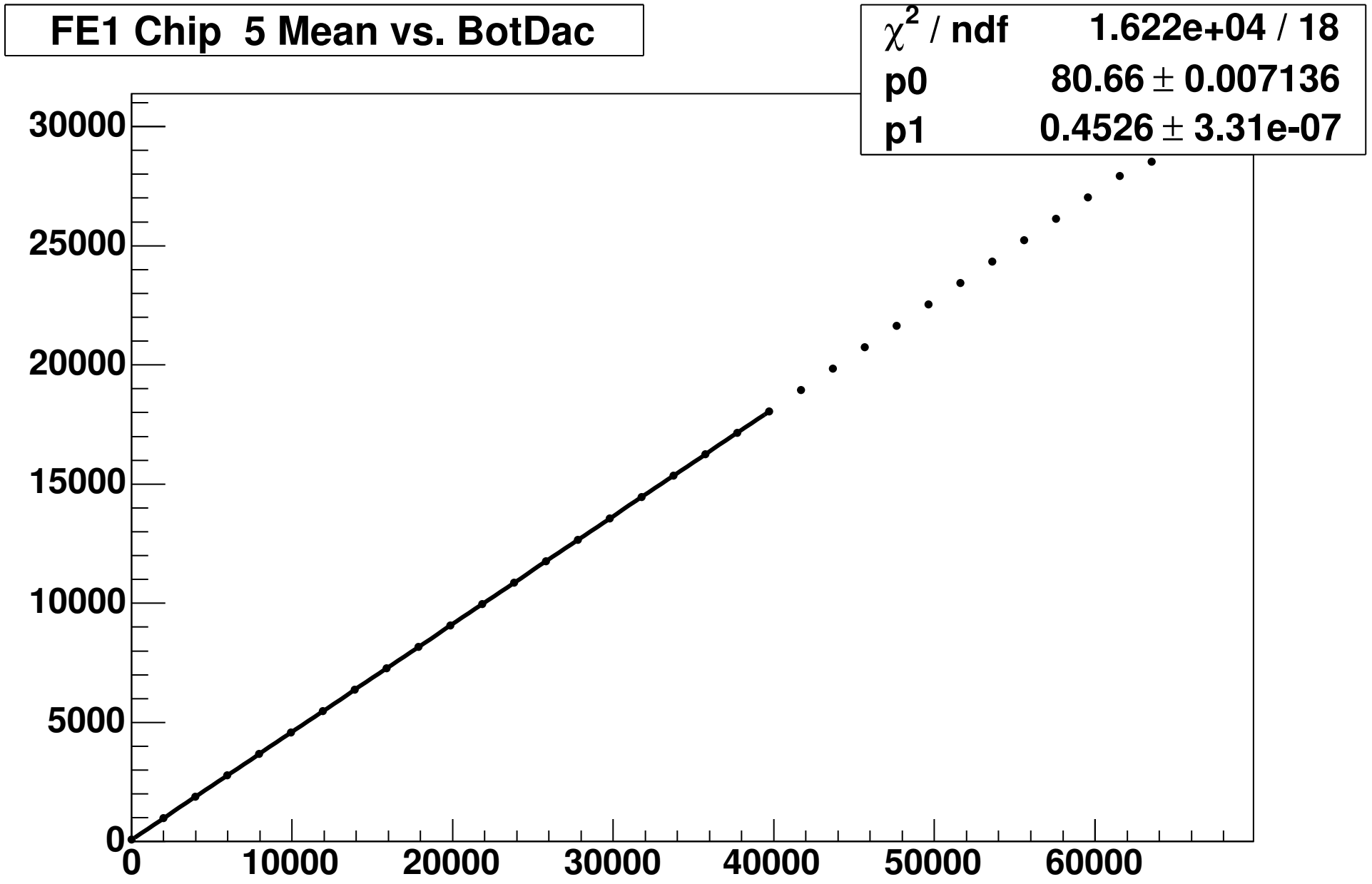
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.622e+04 / 18
p0 80.66 ± 0.007136
p1 0.4526 ± 3.31e-07
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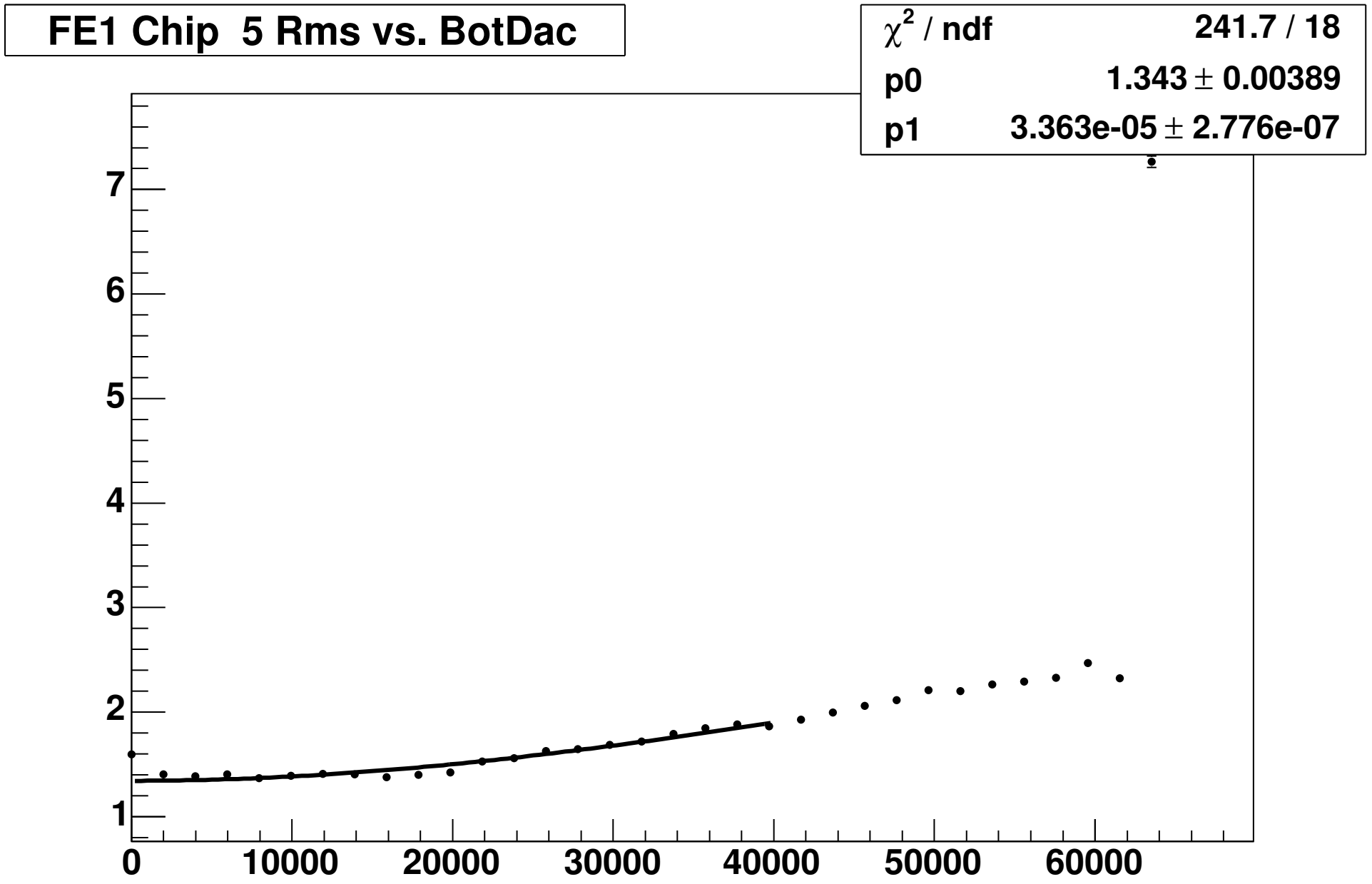
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 241.7 / 18
p0 1.343 ± 0.00389
p1 3.363e-05 ± 2.776e-07
7
6
5
4
3
2
1
0
10000
20000
30000
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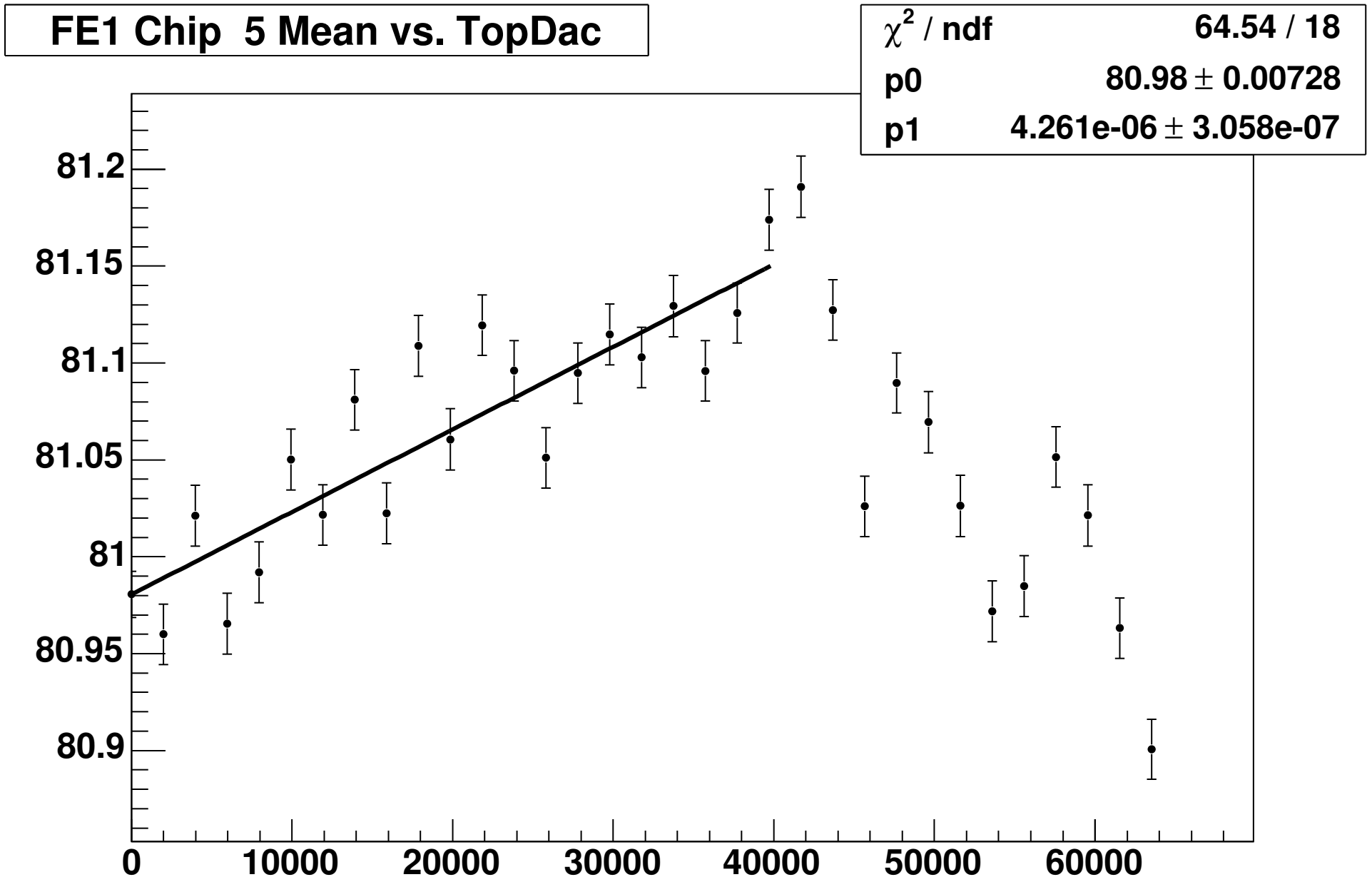
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 64.54 / 18
p0 80.98 ± 0.00728
p1 4.261e-06 ± 3.058e-07
81.2
81.15
81.1
81.05
81
80.95
80.9
0
10000
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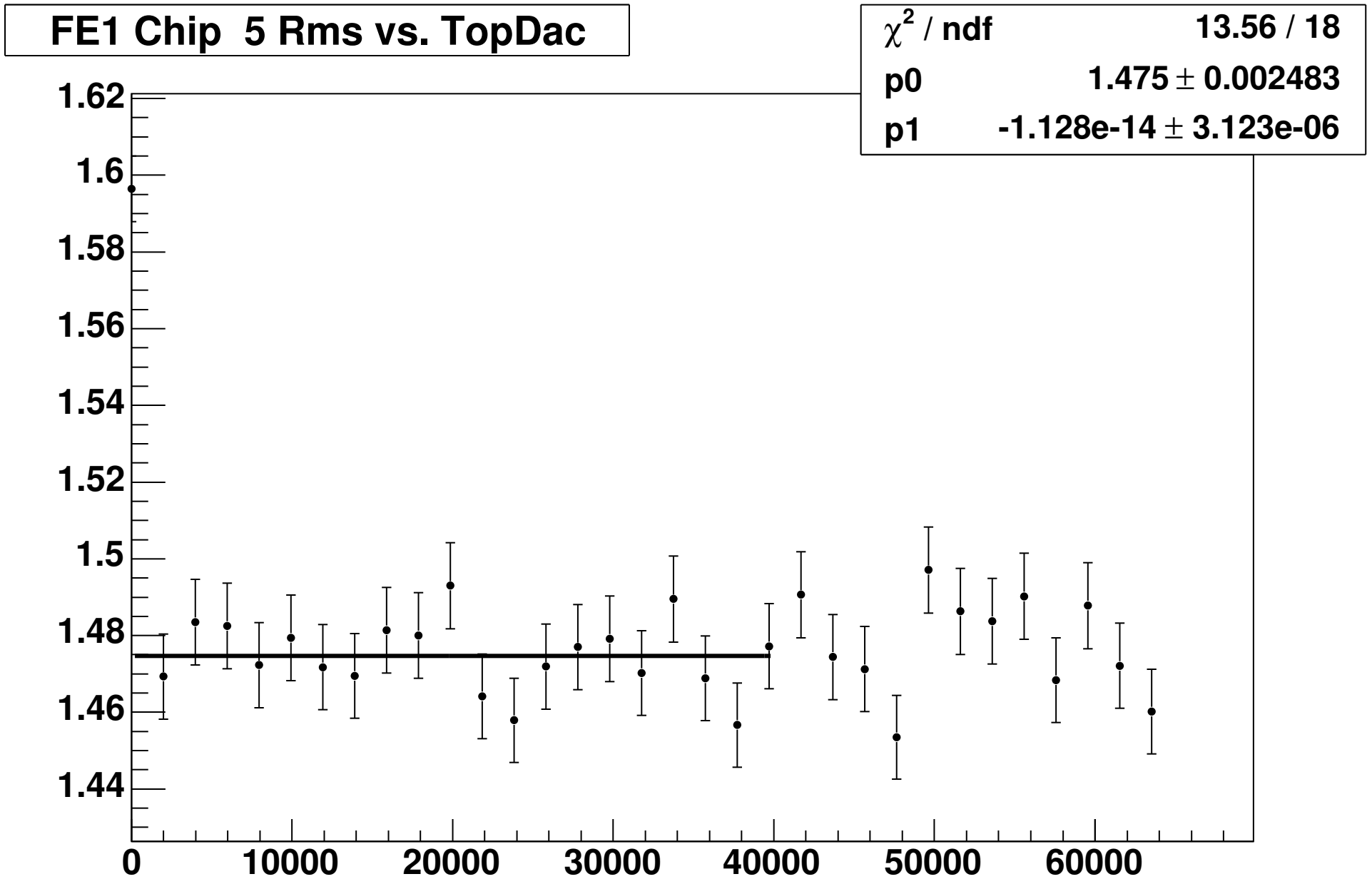
30000
40000
50000
60000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 13.56 / 18
p0 1.475 ± 0.002483
p1 -1.128e-14 ± 3.123e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
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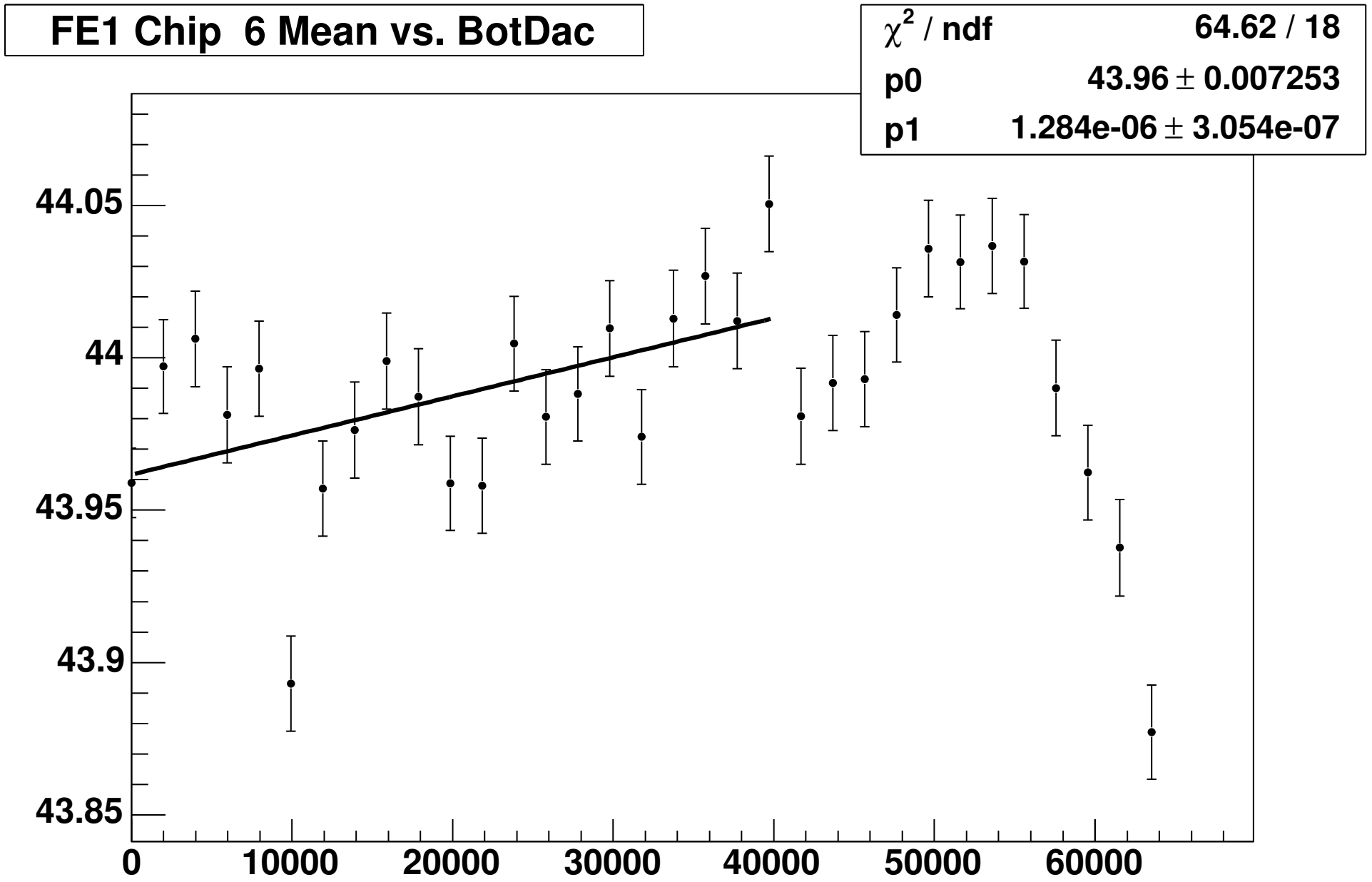
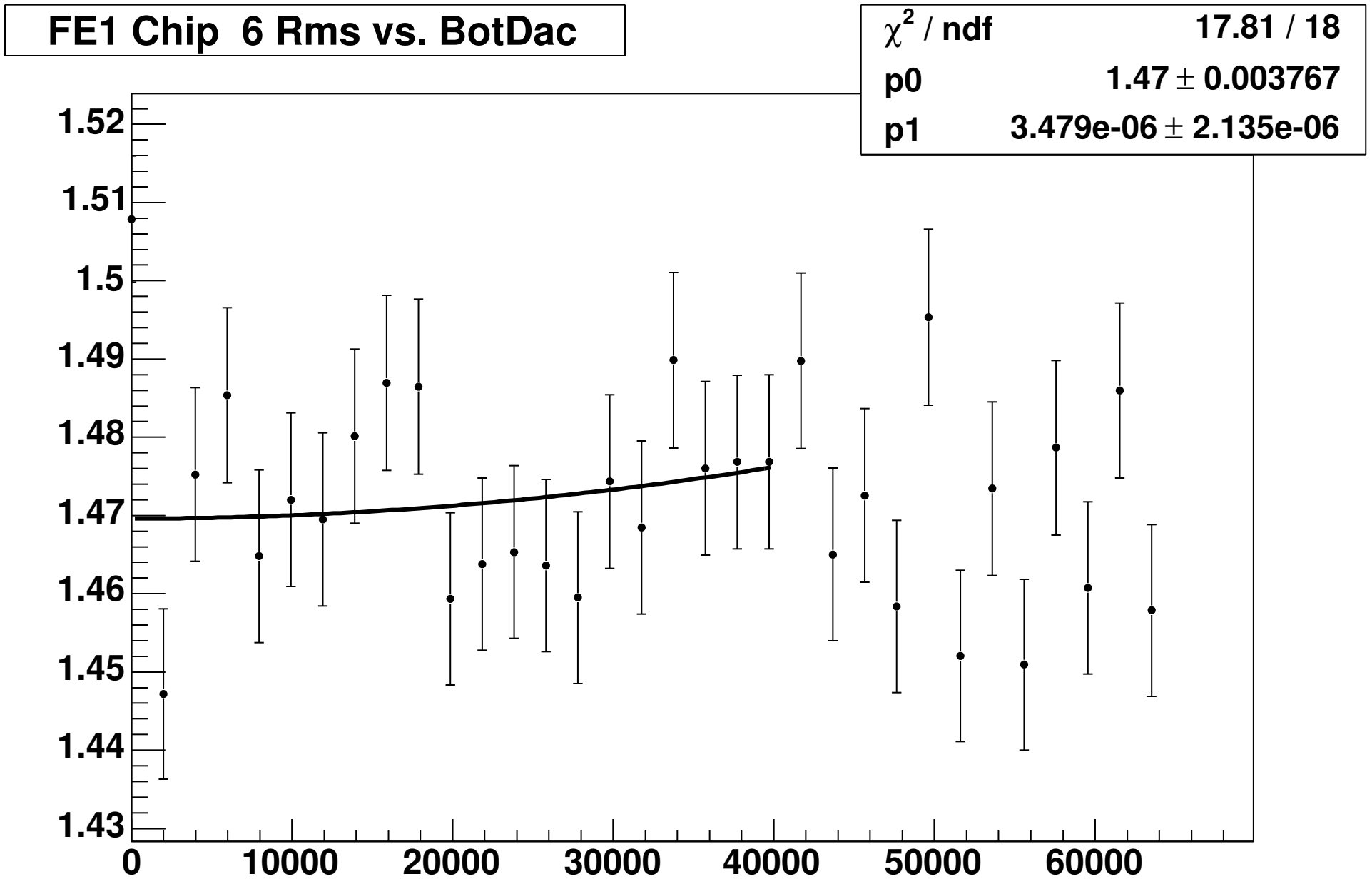

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 64.62 / 18
p0 43.96 ± 0.007253
p1 1.284e-06 ± 3.054e-07
44.05
44
43.95
43.9
43.85
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 17.81 / 18
p0 1.47 ± 0.003767
p1 3.479e-06 ± 2.135e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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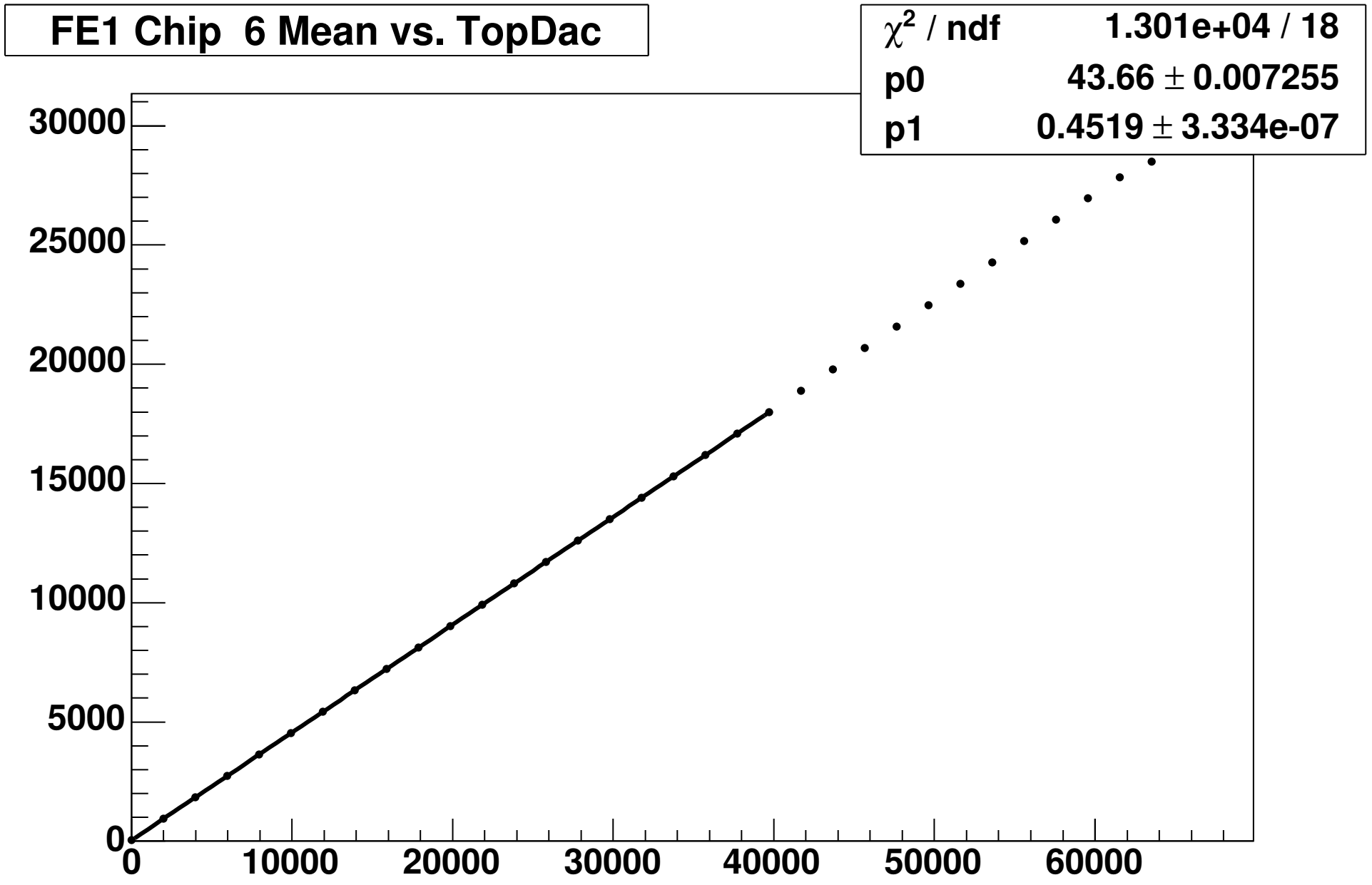
40000
50000
60000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.301e+04 / 18
p0 43.66 ± 0.007255
p1 0.4519 ± 3.334e-07
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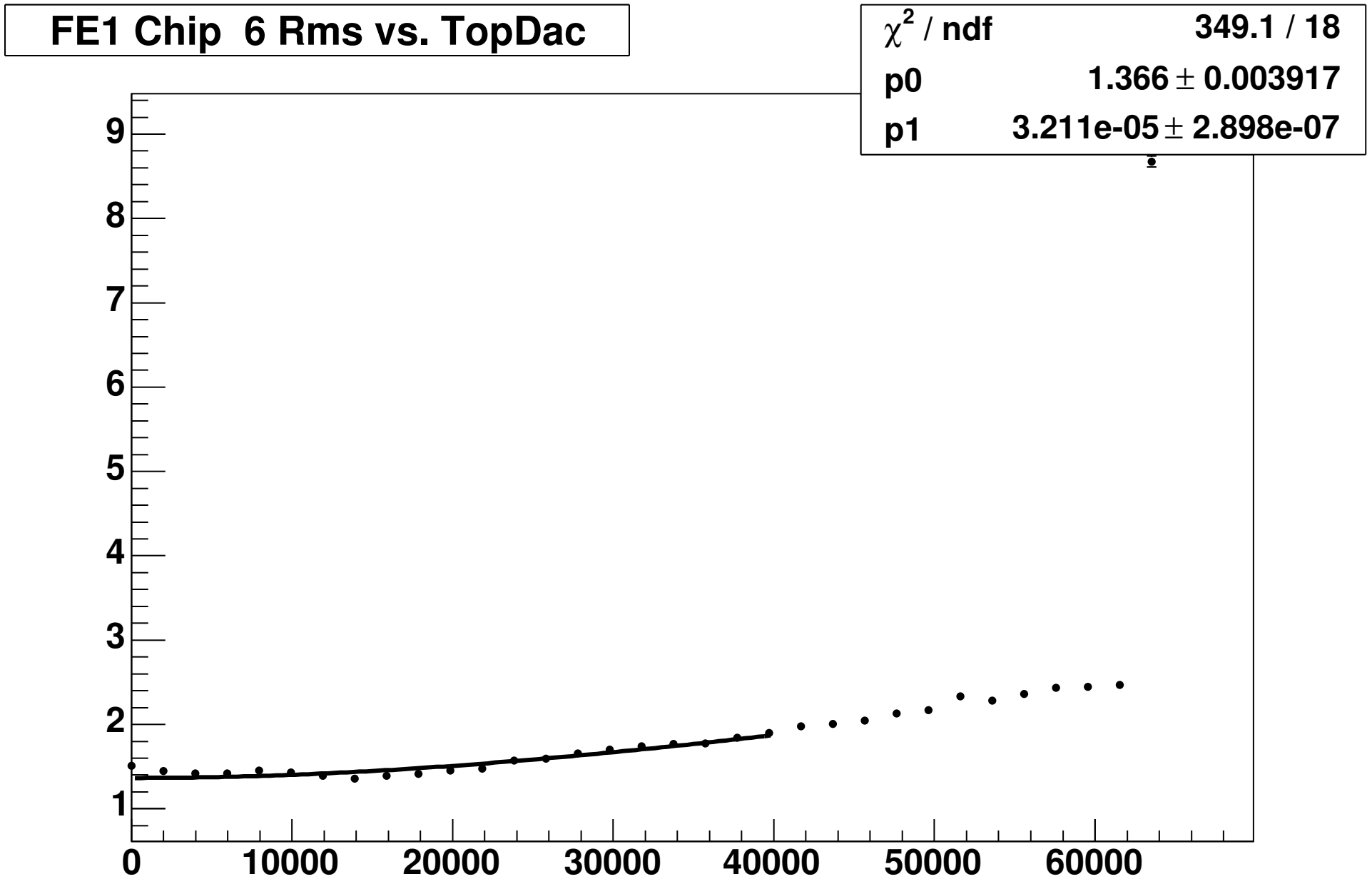
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 349.1 / 18
p0 1.366 ± 0.003917
p1 3.211e-05 ± 2.898e-07
9
8
7
6
5
4
3
2
1
0
10000
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40000
50000
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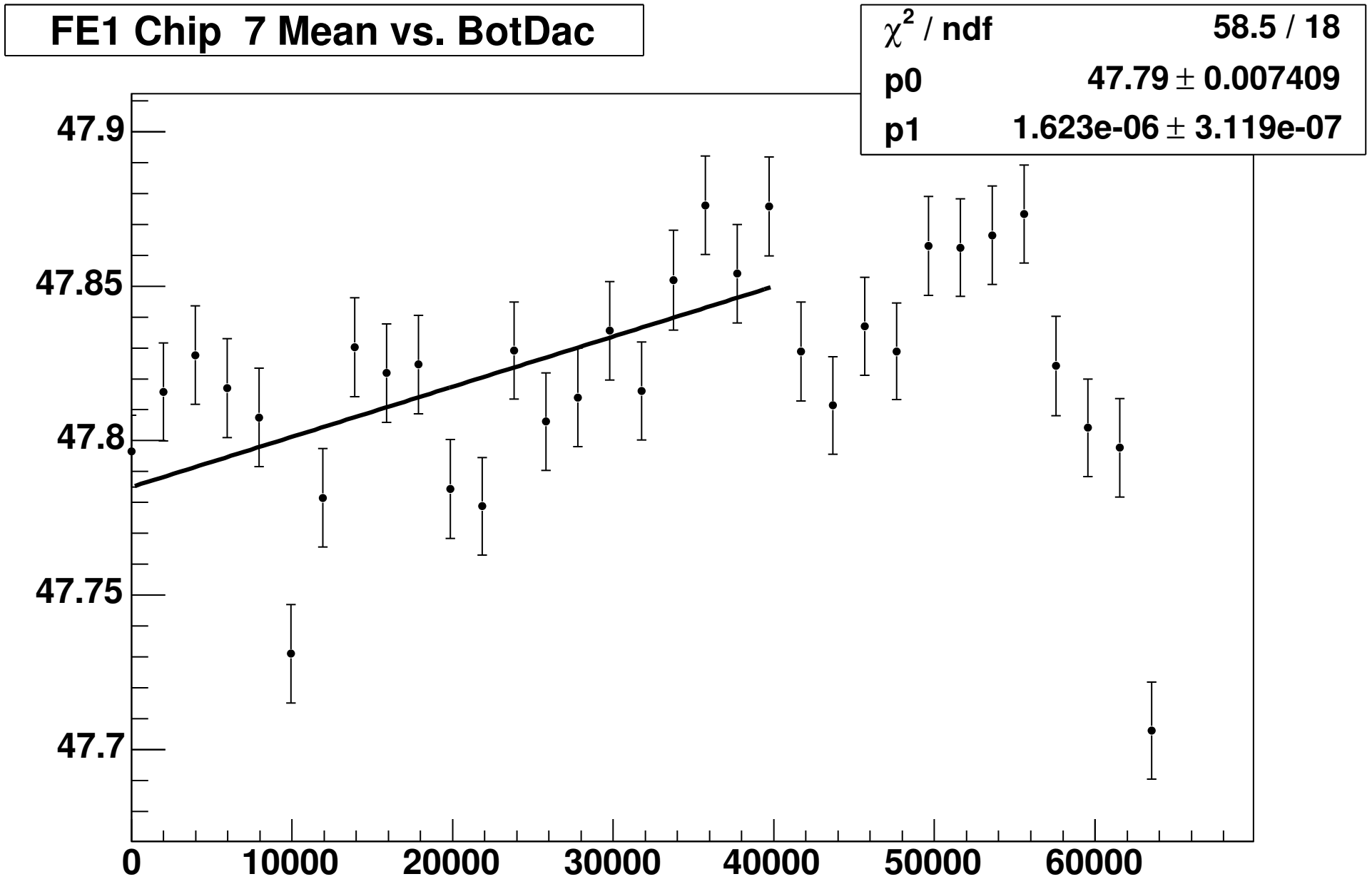
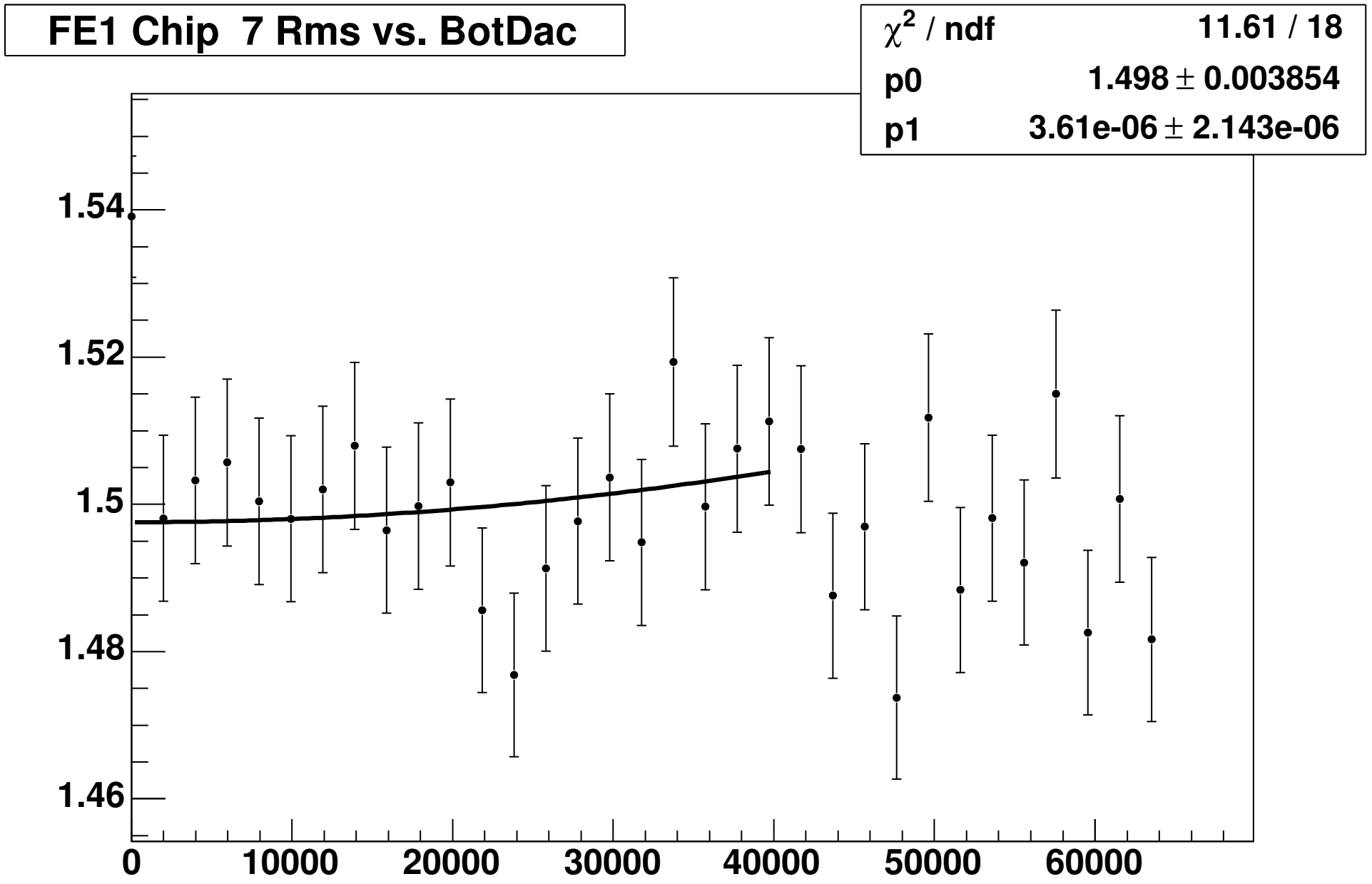
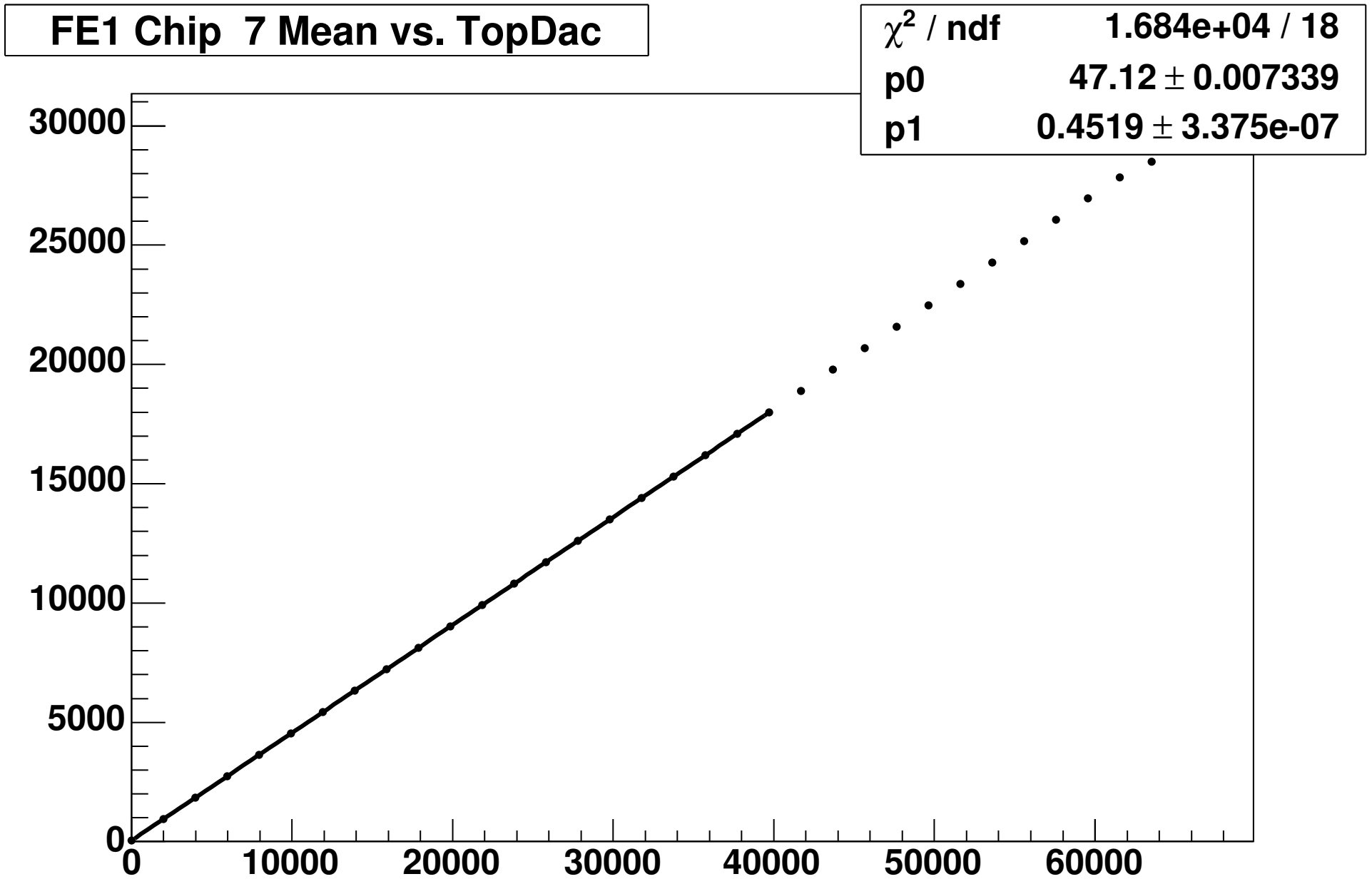
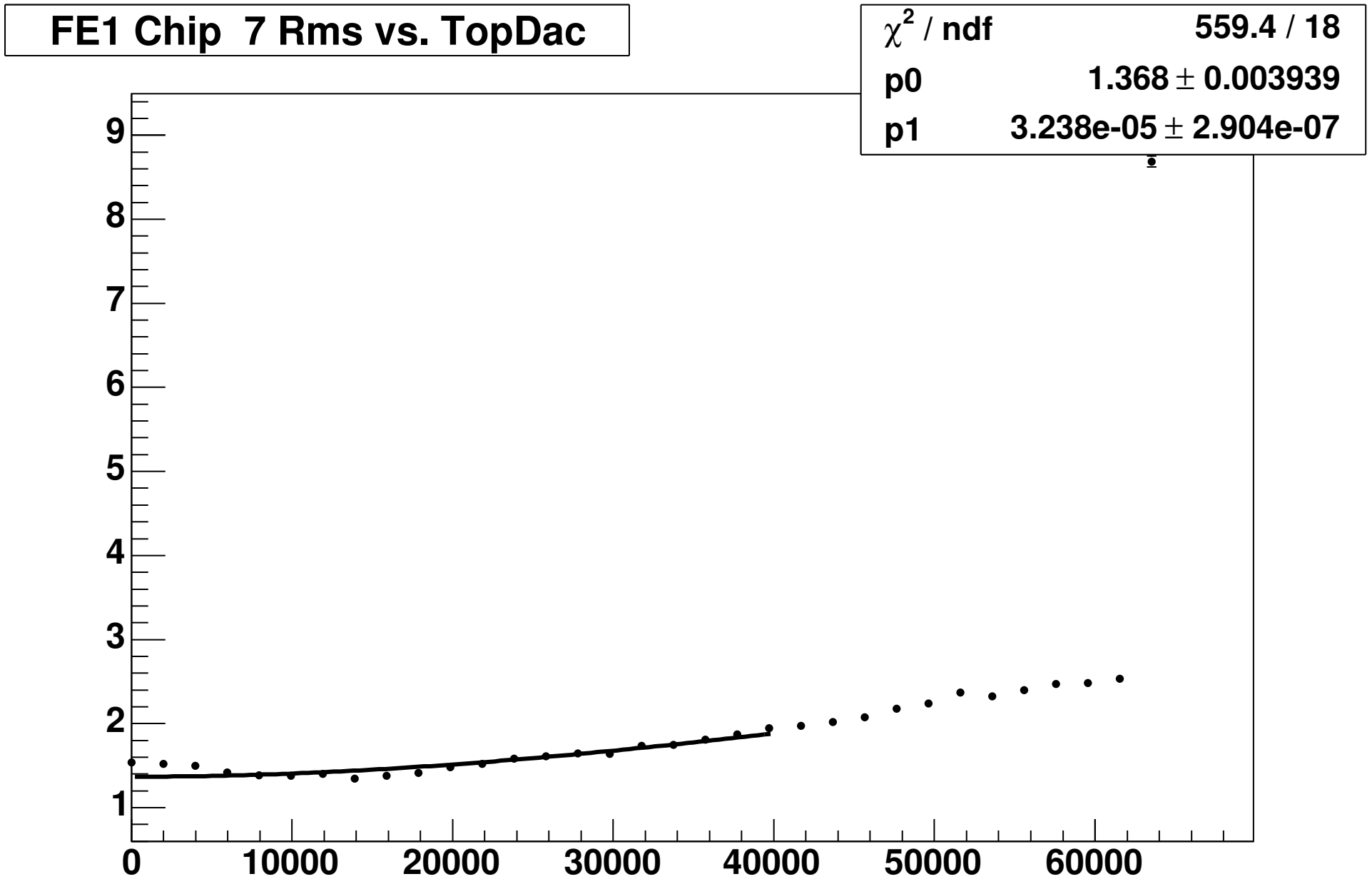

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 58.5 / 18
p0 47.79 ± 0.007409
p1 1.623e-06 ± 3.119e-07
47.9
47.85
47.8
47.75
47.7
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 11.61 / 18
p0 1.498 ± 0.003854
p1 3.61e-06 ± 2.143e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.684e+04 / 18
p0 47.12 ± 0.007339
p1 0.4519 ± 3.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 559.4 / 18
p0 1.368 ± 0.003939
p1 3.238e-05 ± 2.904e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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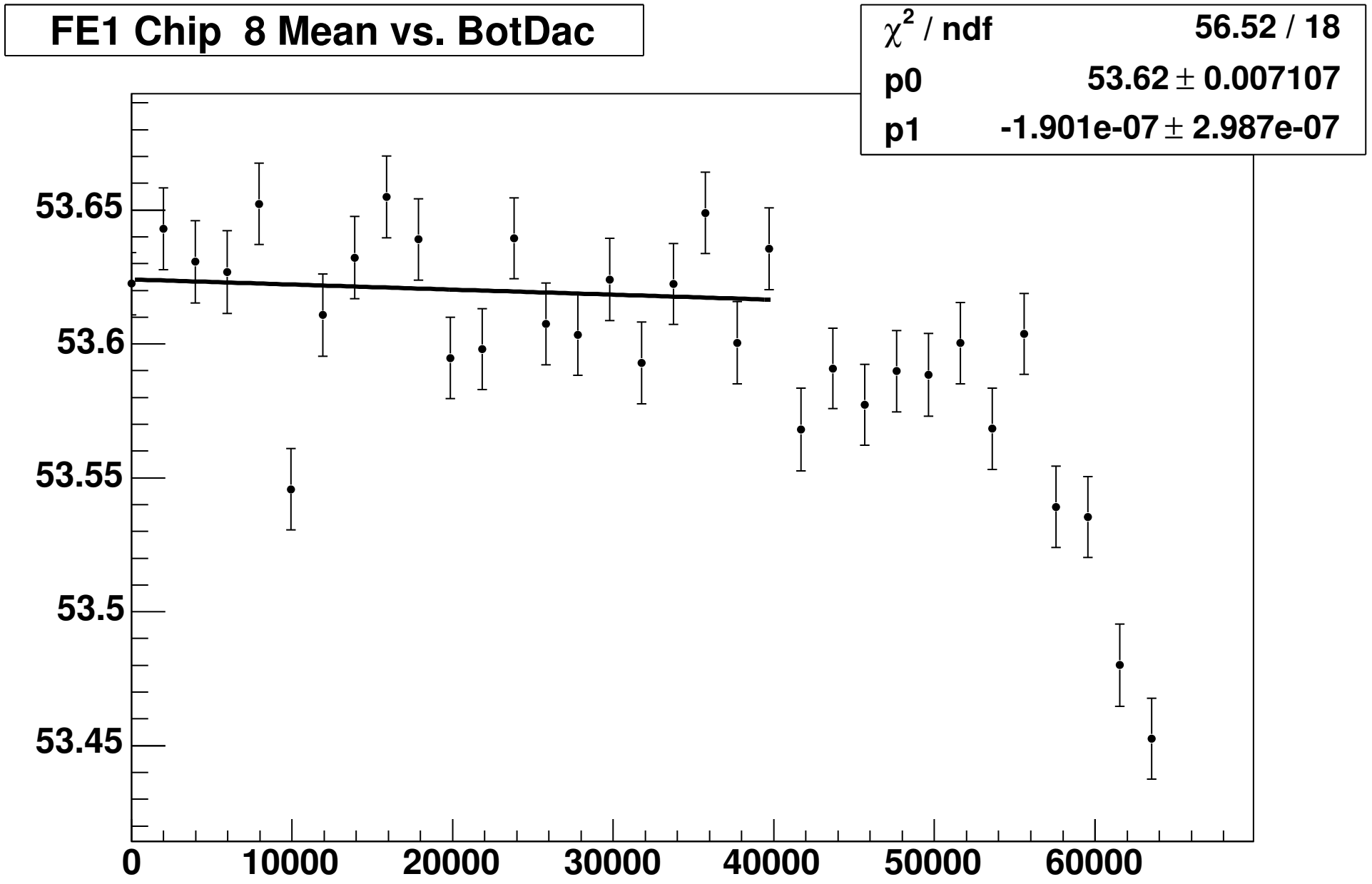
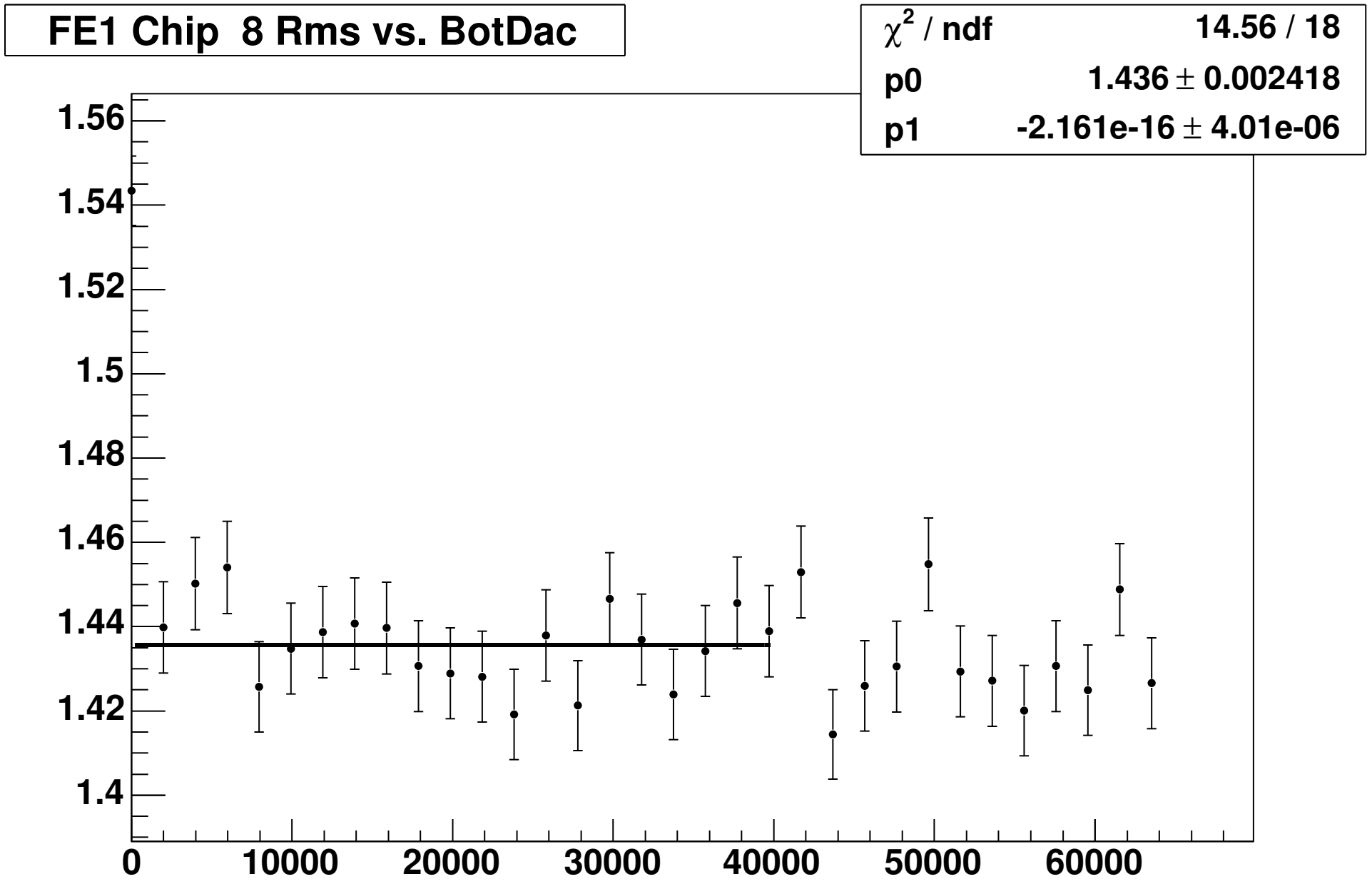
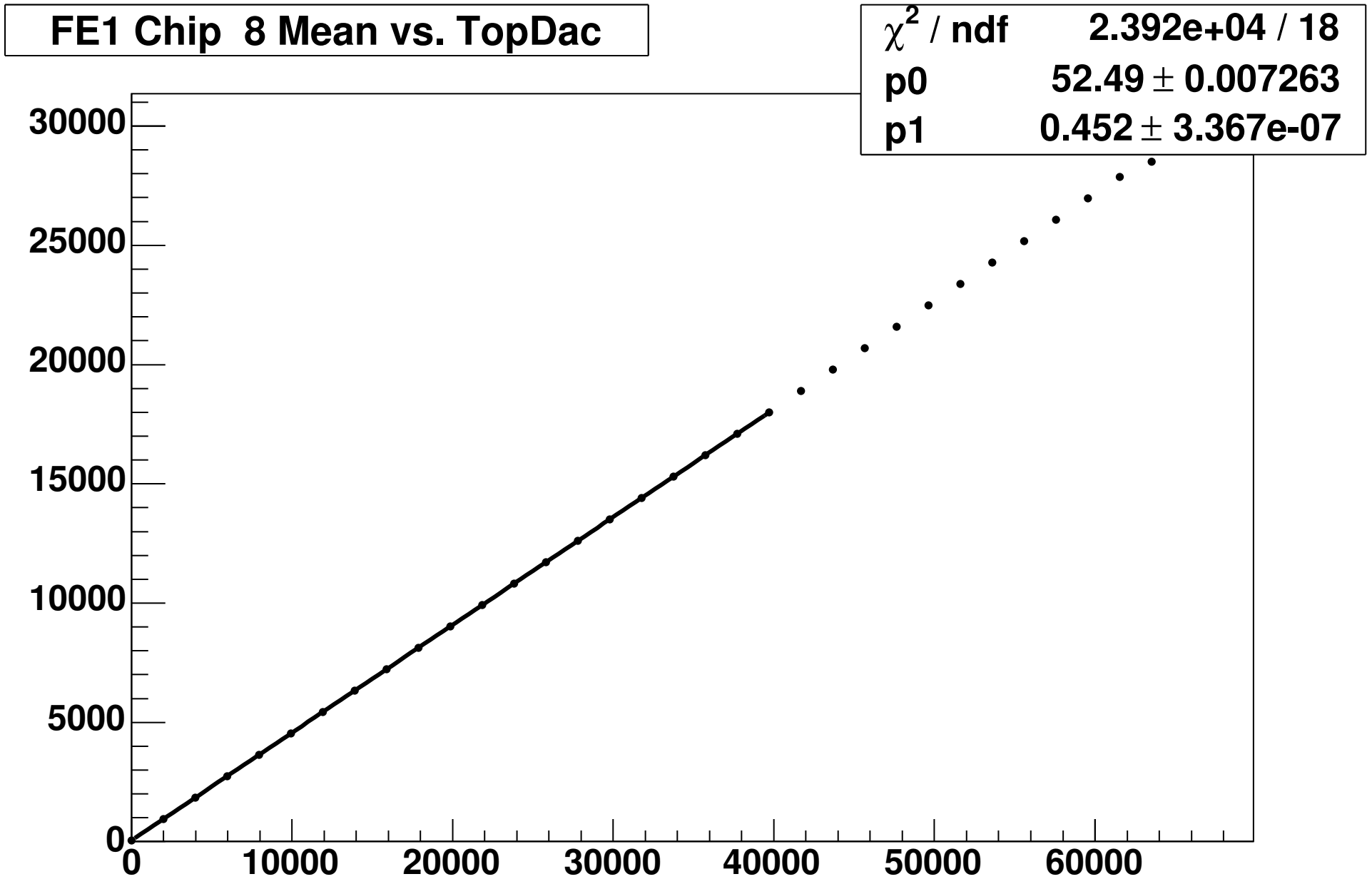
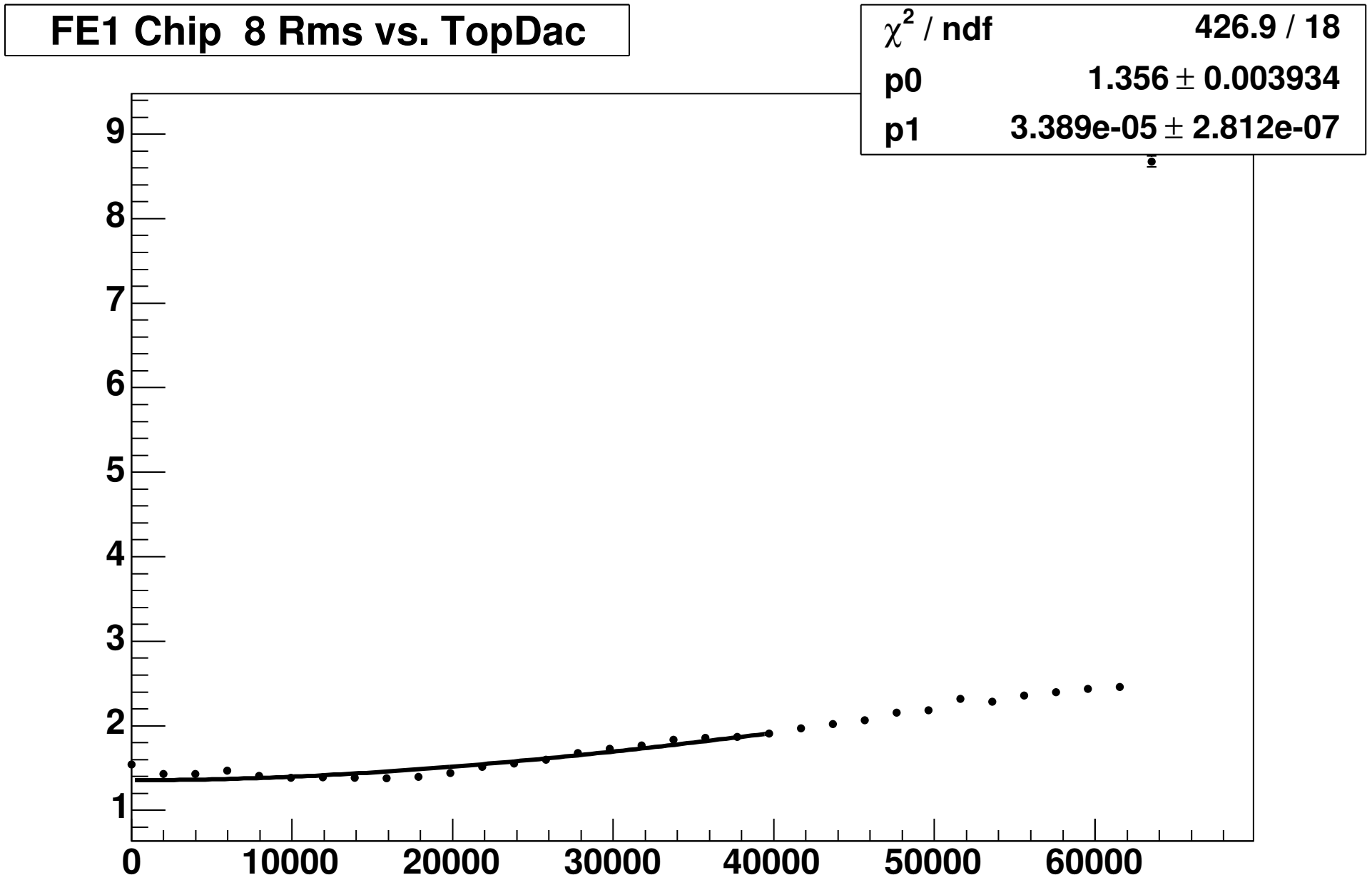
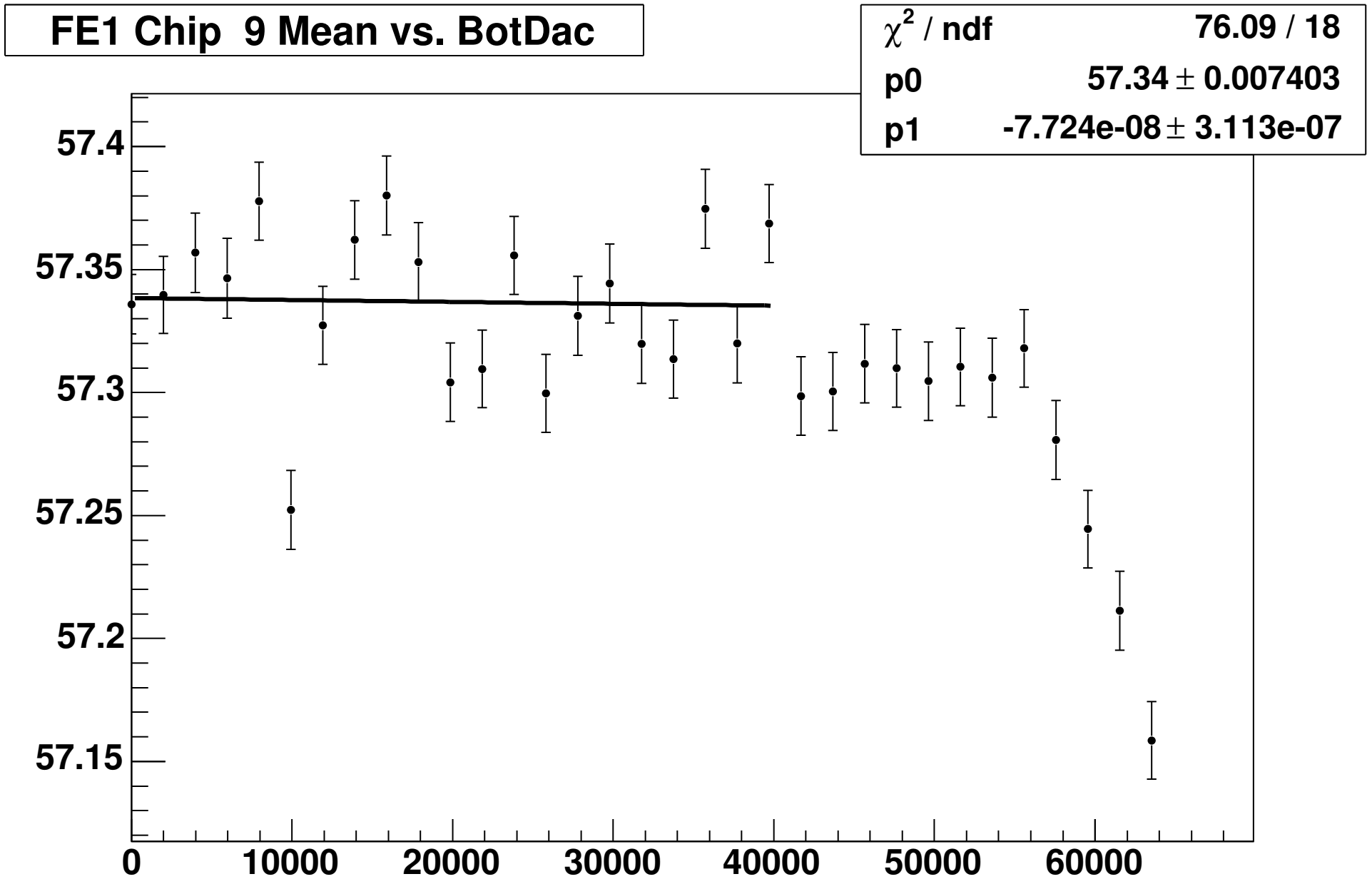
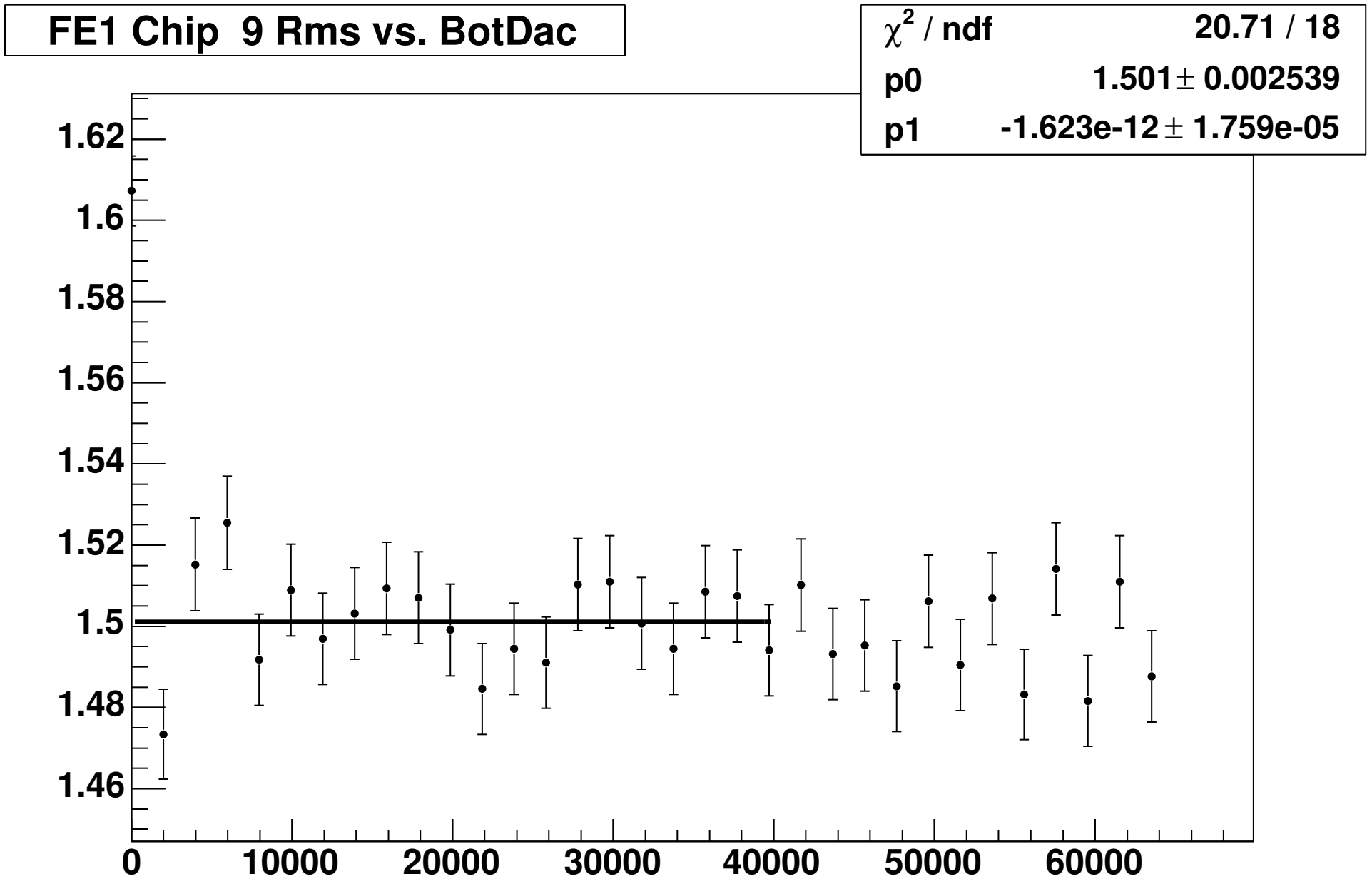

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 56.52 / 18
p0 53.62 ± 0.007107
p1 -1.901e-07 ± 2.987e-07
53.65
53.6
53.55
53.5
53.45
0
10000
20000
30000
40000
50000
60000

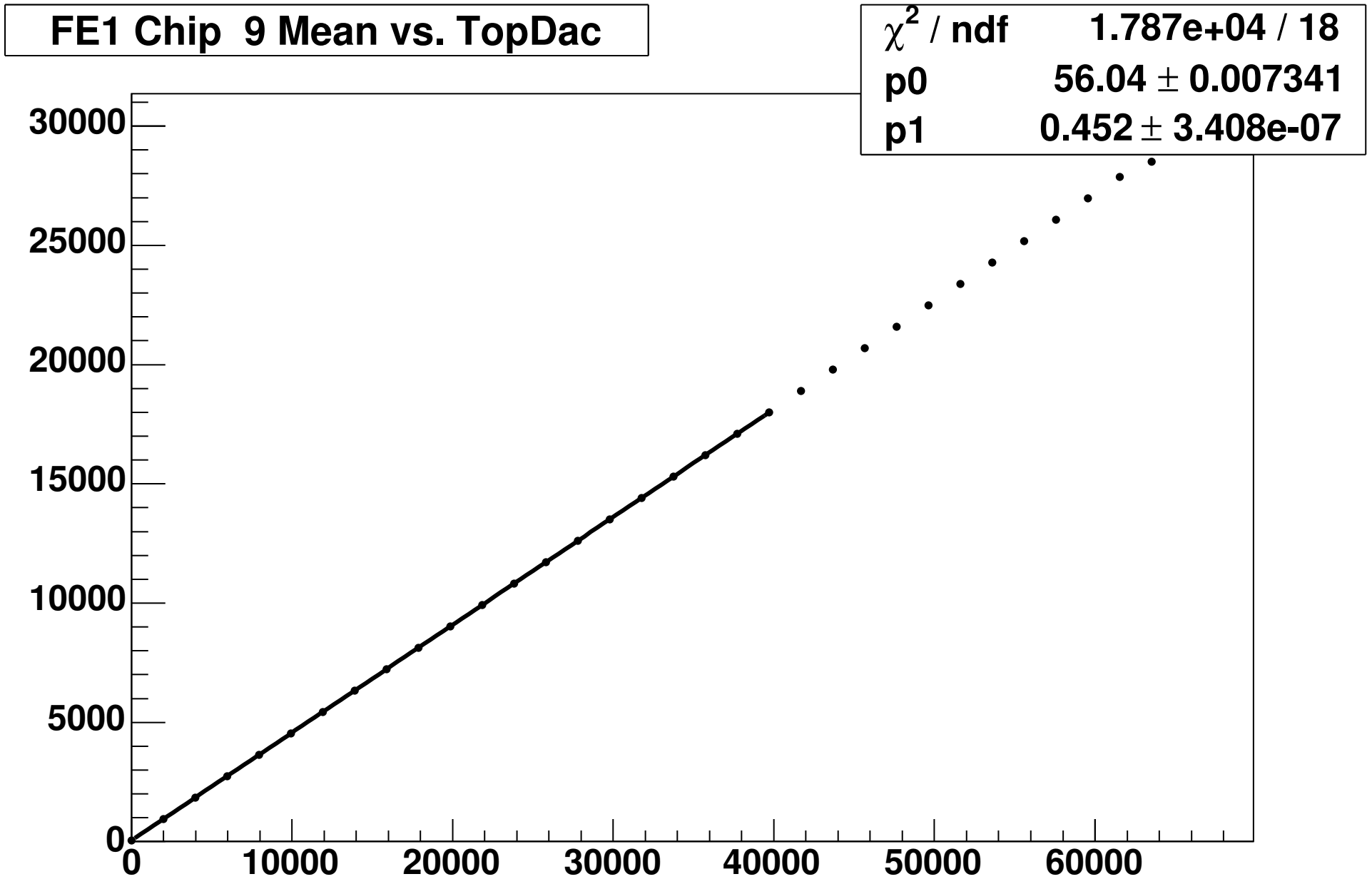

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 14.56 / 18
p0 1.436 ± 0.002418
p1 -2.161e-16 ± 4.01e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 2.392e+04 / 18
p0 52.49 ± 0.007263
p1 0.452 ± 3.367e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 426.9 / 18
p0 1.356 ± 0.003934
p1 3.389e-05 ± 2.812e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 76.09 / 18
p0 57.34 ± 0.007403
p1 -7.724e-08 ± 3.113e-07
57.4
57.35
57.3
57.25
57.2
57.15
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 20.71 / 18
p0 1.501 ± 0.002539
p1 -1.623e-12 ± 1.759e-05
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.787e+04 / 18
p0 56.04 ± 0.007341
p1 0.452 ± 3.408e-07
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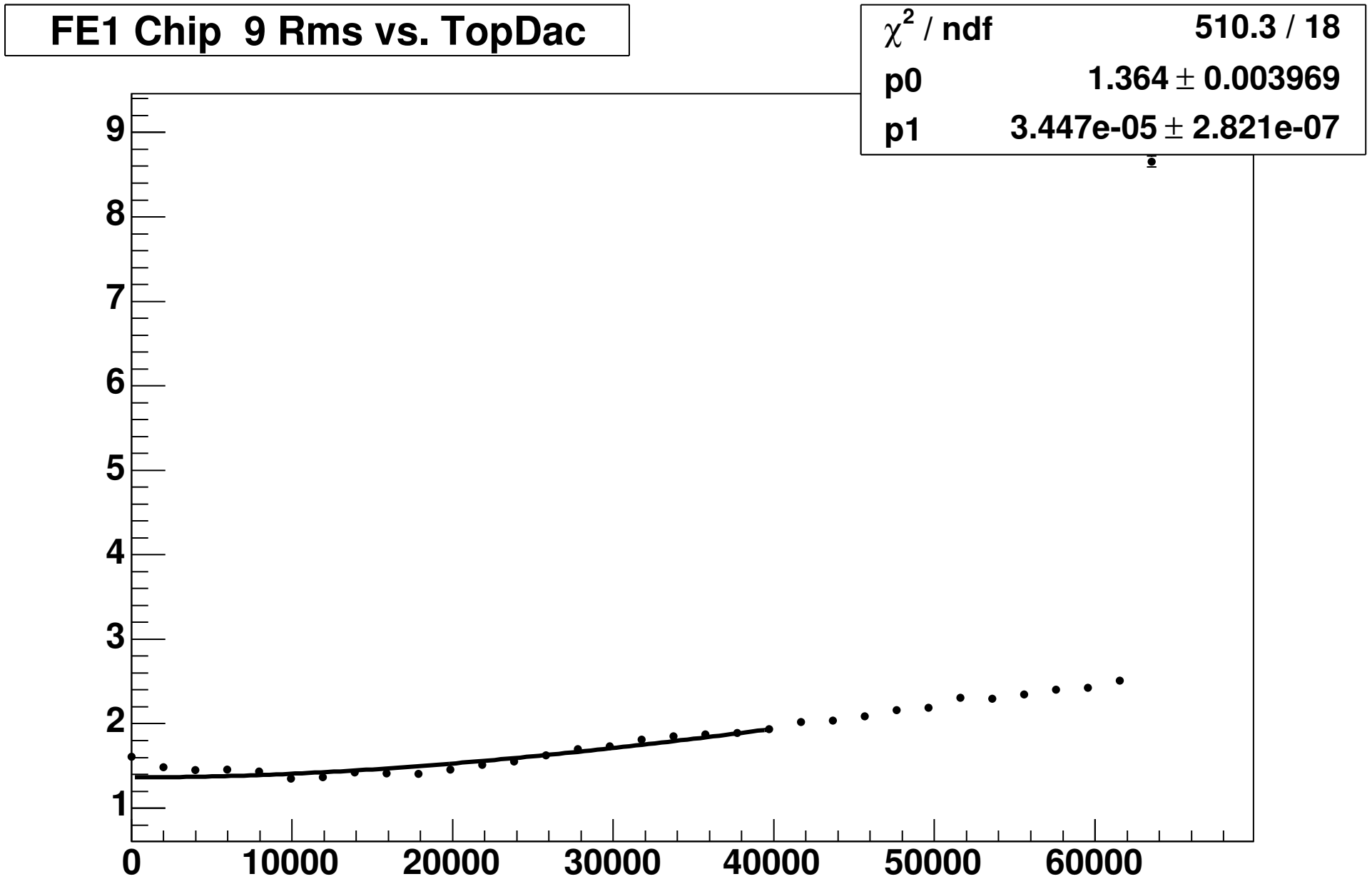
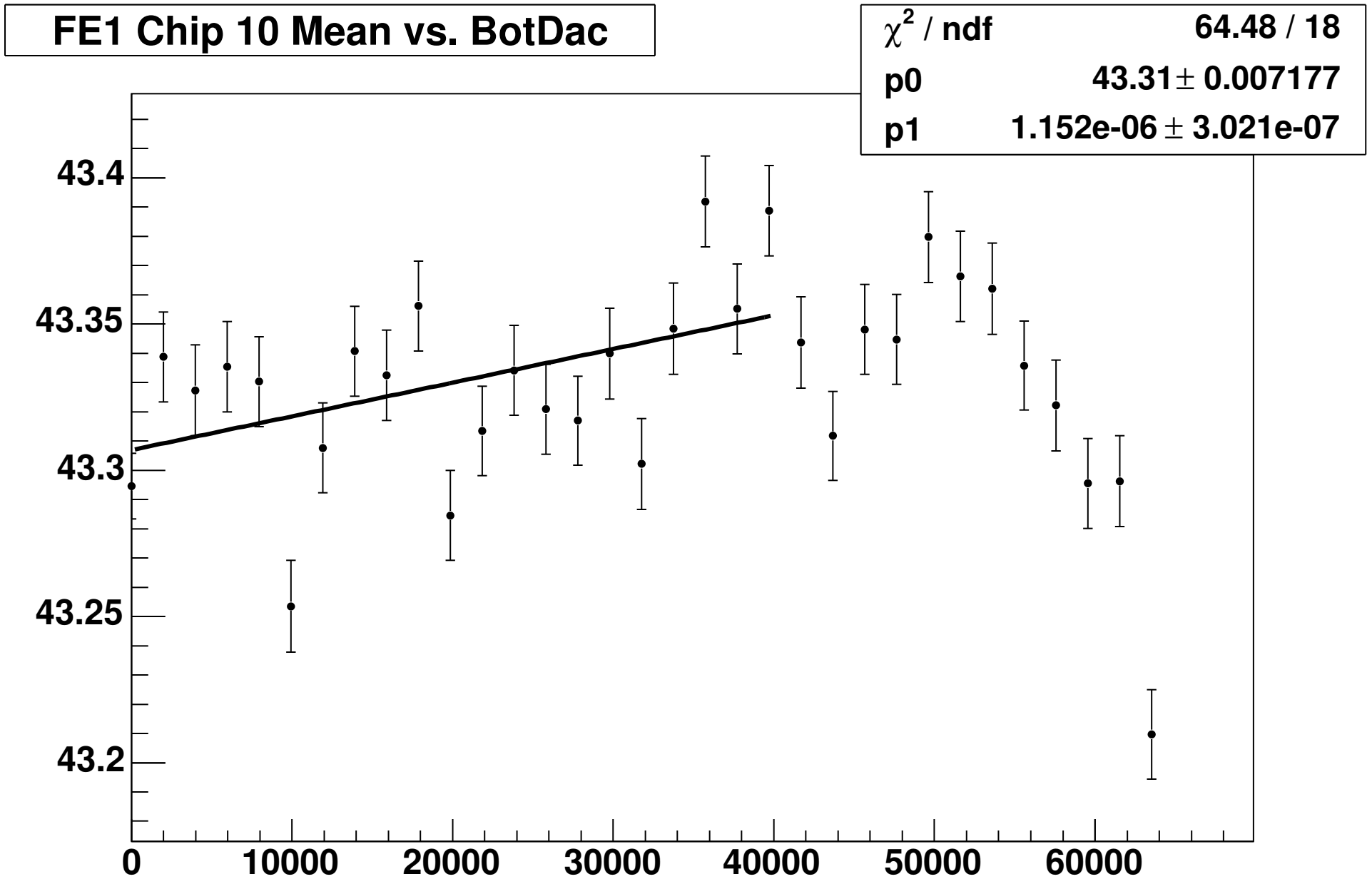
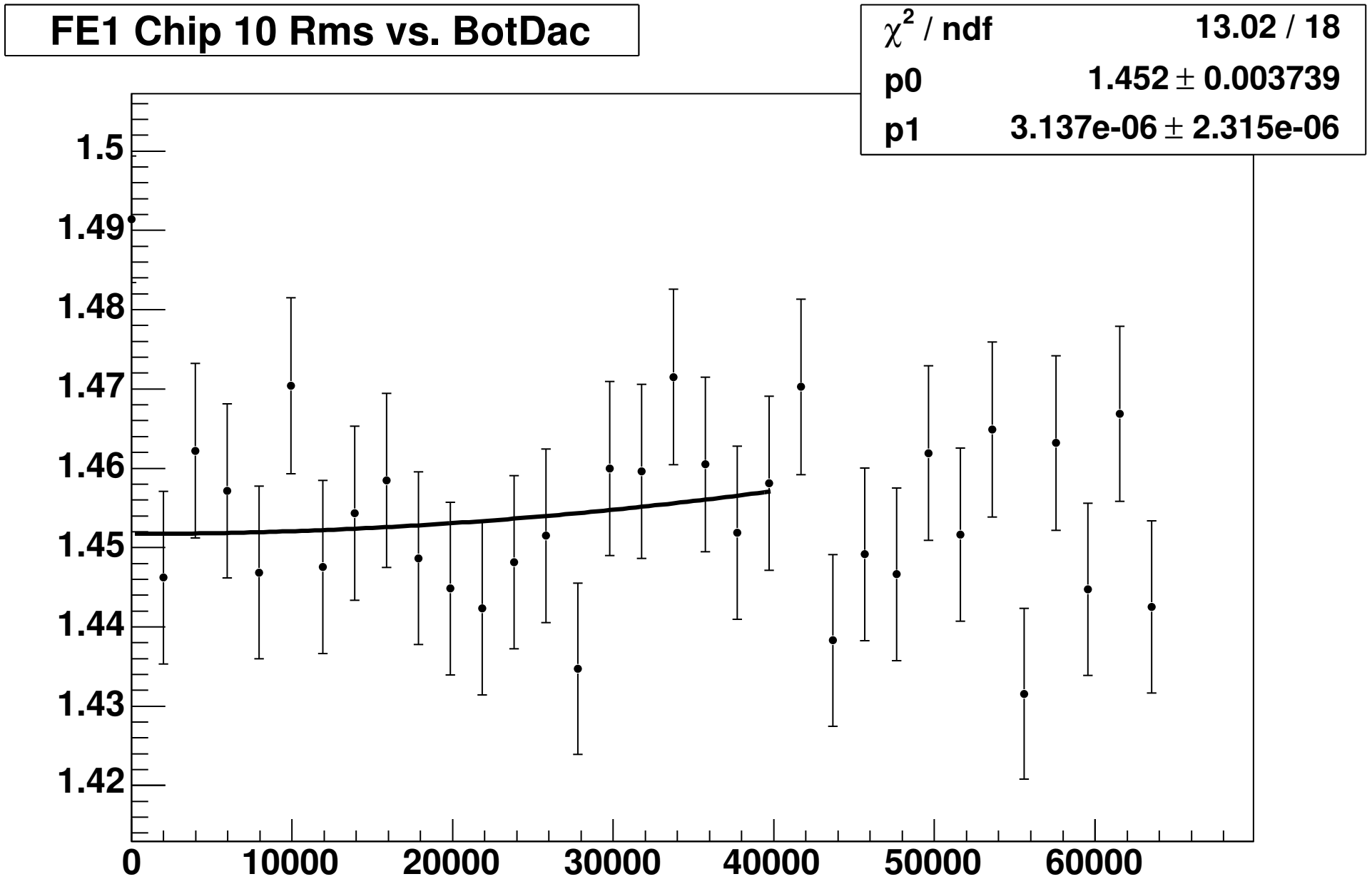
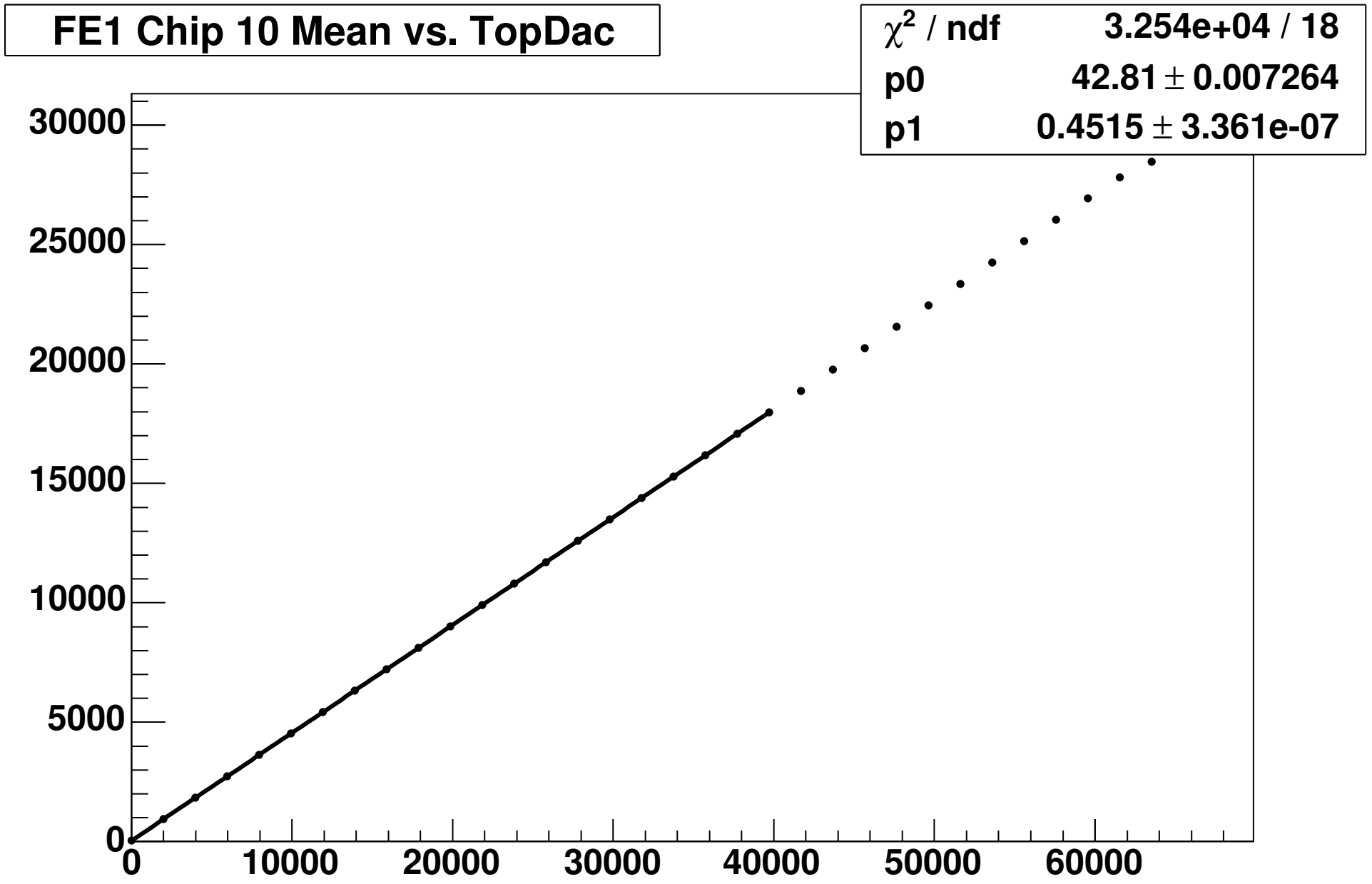
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 510.3 / 18
p0 1.364 ± 0.003969
p1 3.447e-05 ± 2.821e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 64.48 / 18
p0 43.31 ± 0.007177
p1 1.152e-06 ± 3.021e-07
43.4
43.35
43.3
43.25
43.2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 13.02 / 18
p0 1.452 ± 0.003739
p1 3.137e-06 ± 2.315e-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


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 3.254e+04 / 18
p0 42.81 ± 0.007264
p1 0.4515 ± 3.361e-07
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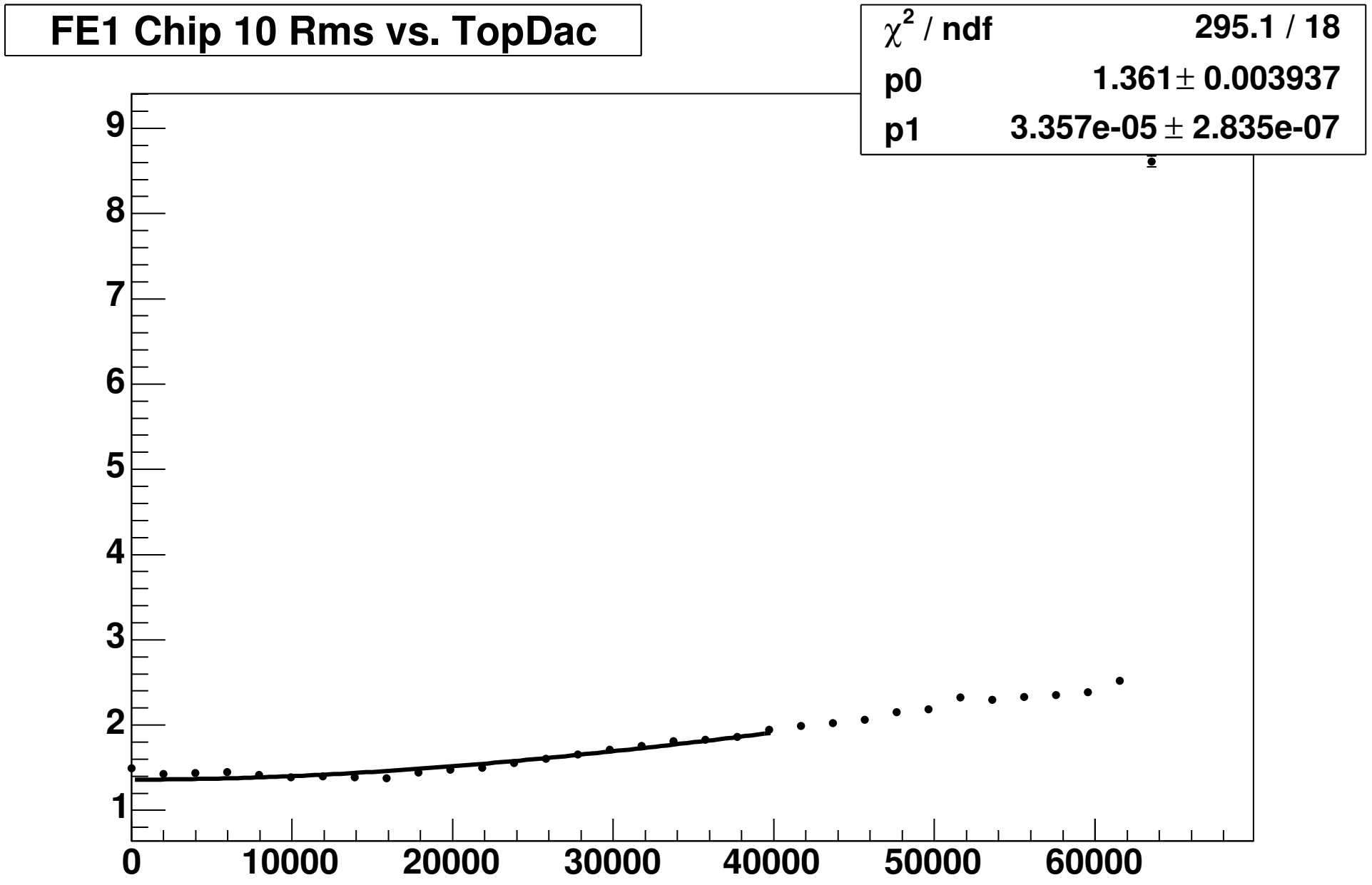
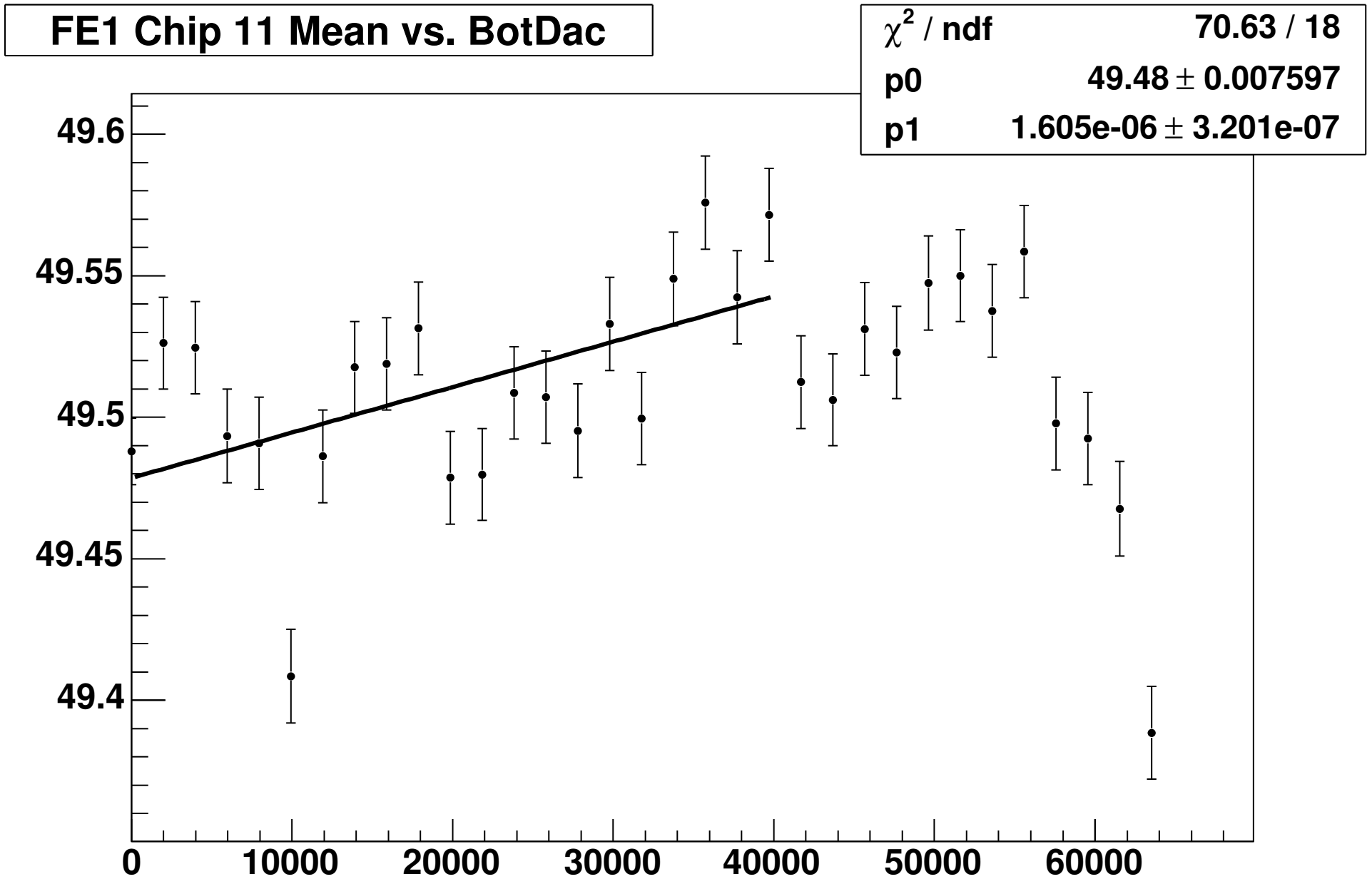
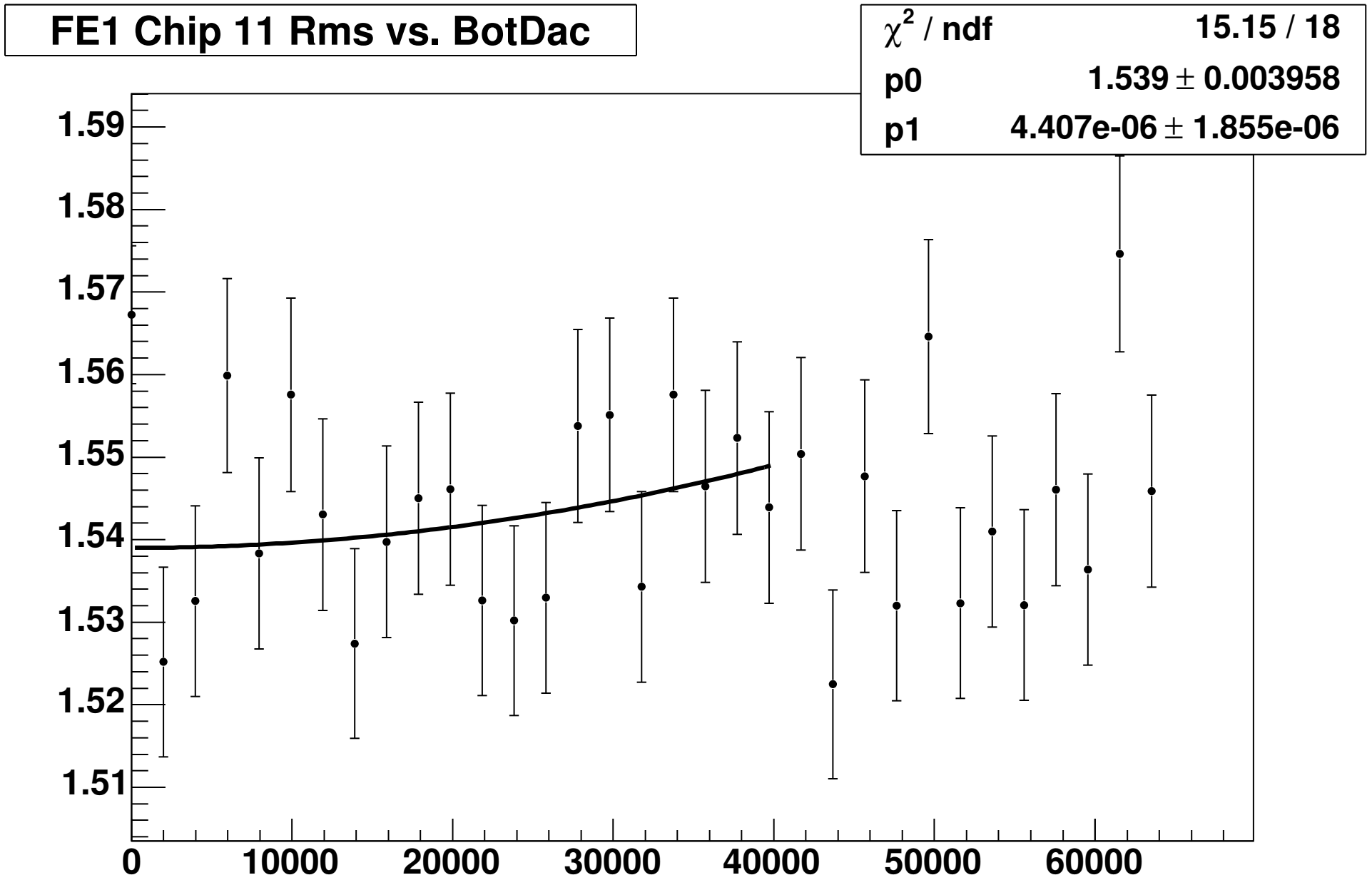
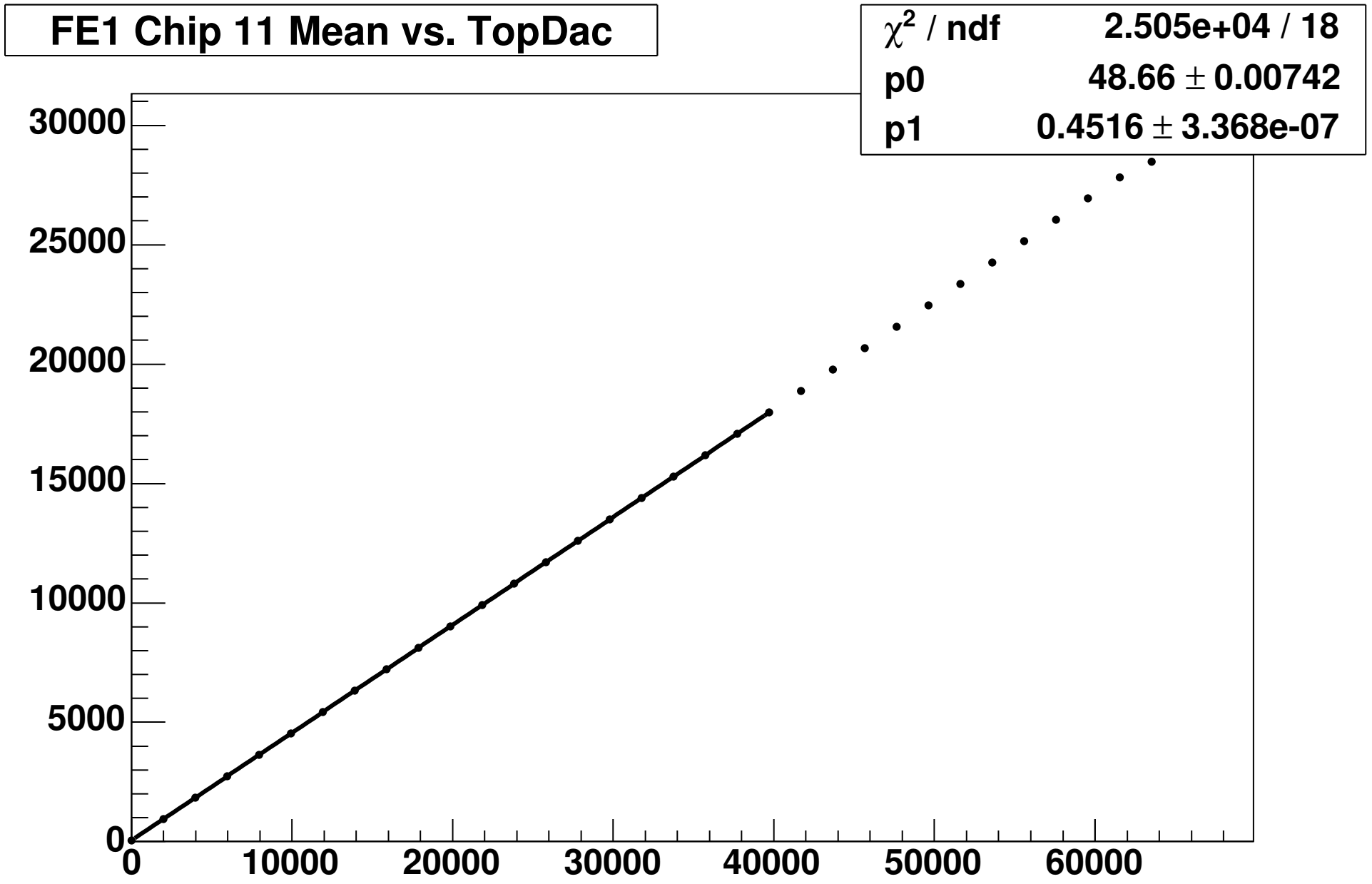
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 295.1 / 18
p0 1.361 ± 0.003937
p1 3.357e-05 ± 2.835e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 70.63 / 18
p0 49.48 ± 0.007597
p1 1.605e-06 ± 3.201e-07
49.6
49.55
49.5
49.45
49.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 15.15 / 18
p0 1.539 ± 0.003958
p1 4.407e-06 ± 1.855e-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


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 2.505e+04 / 18
p0 48.66 ± 0.00742
p1 0.4516 ± 3.368e-07
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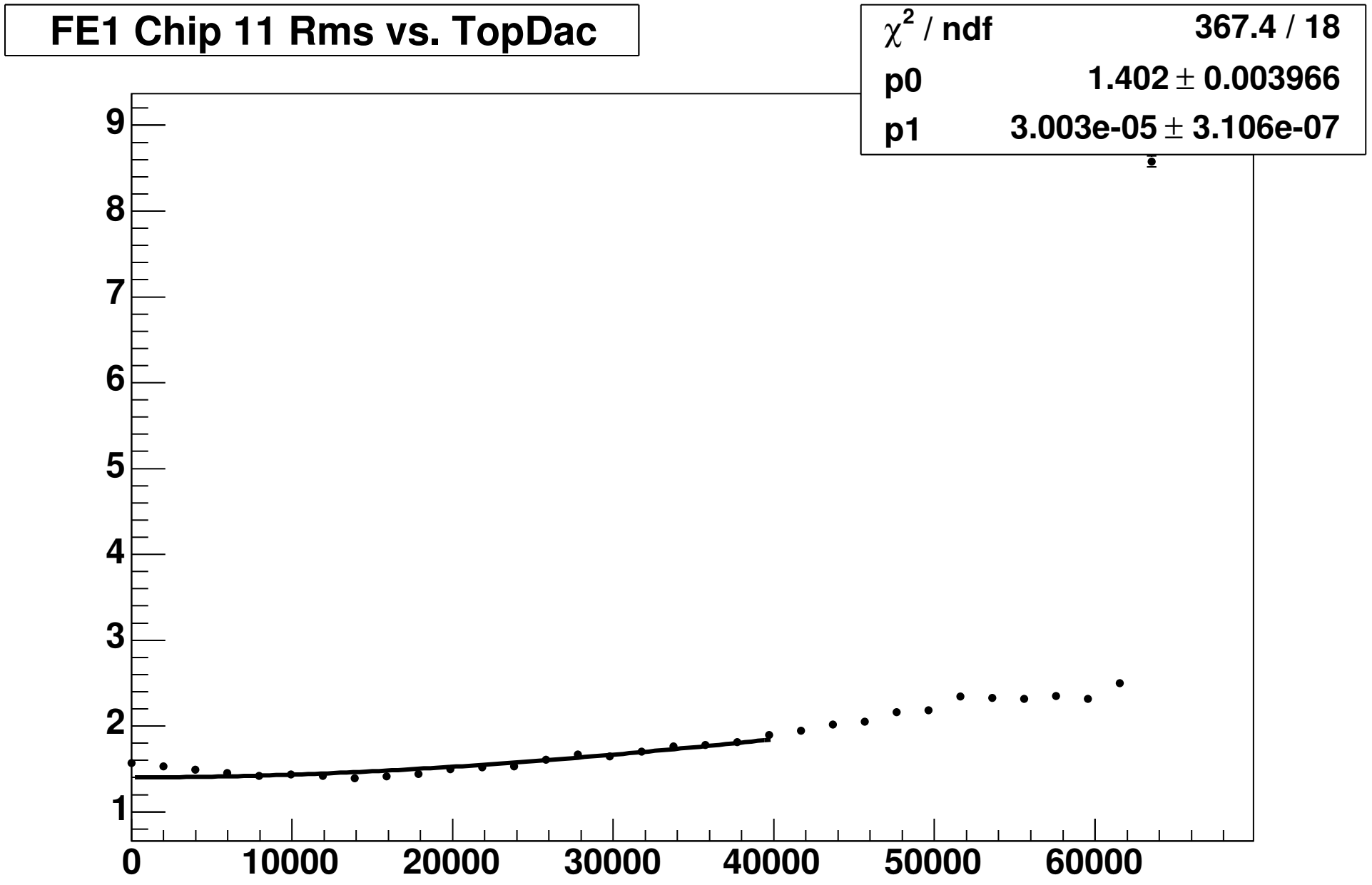
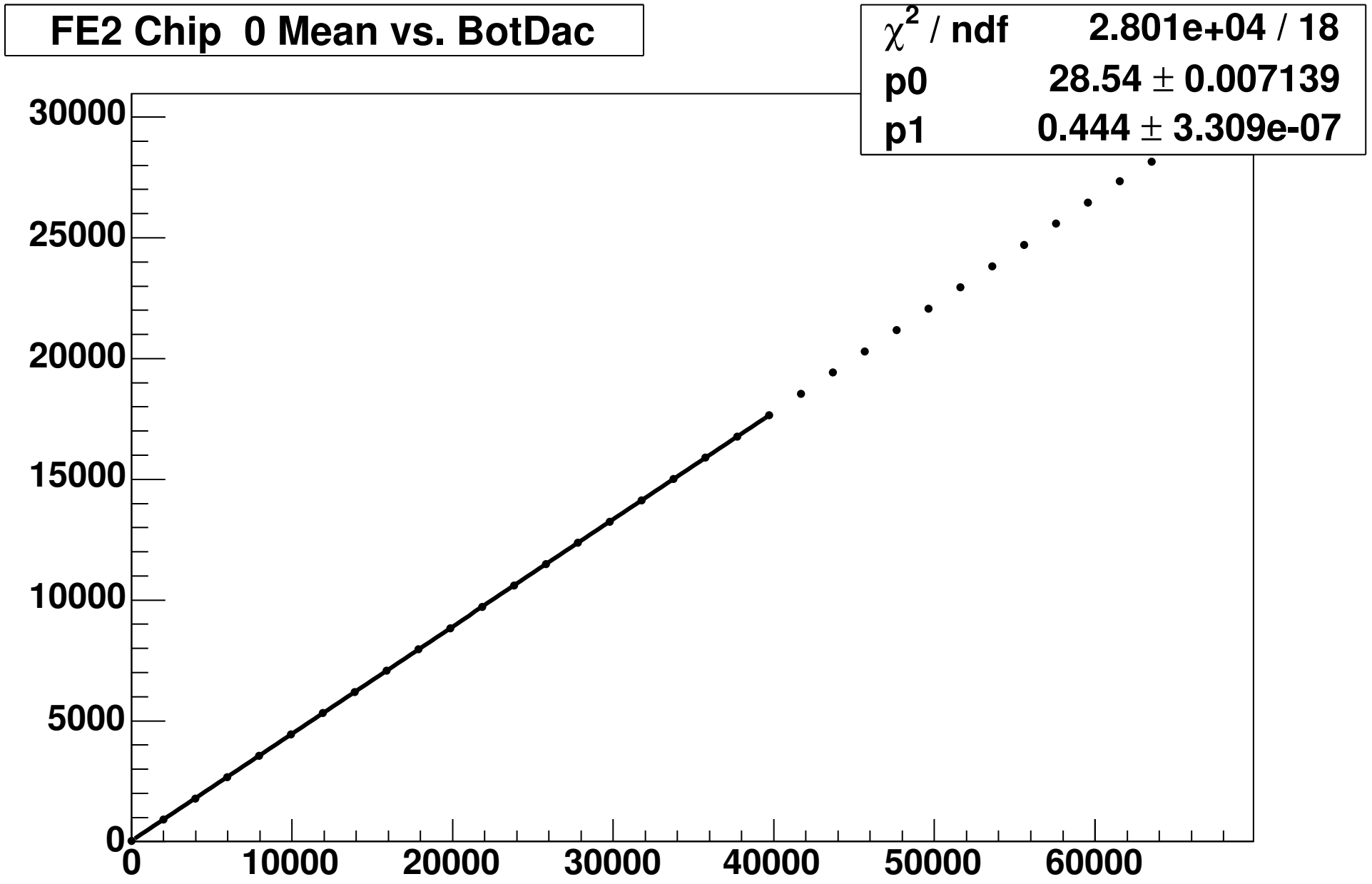
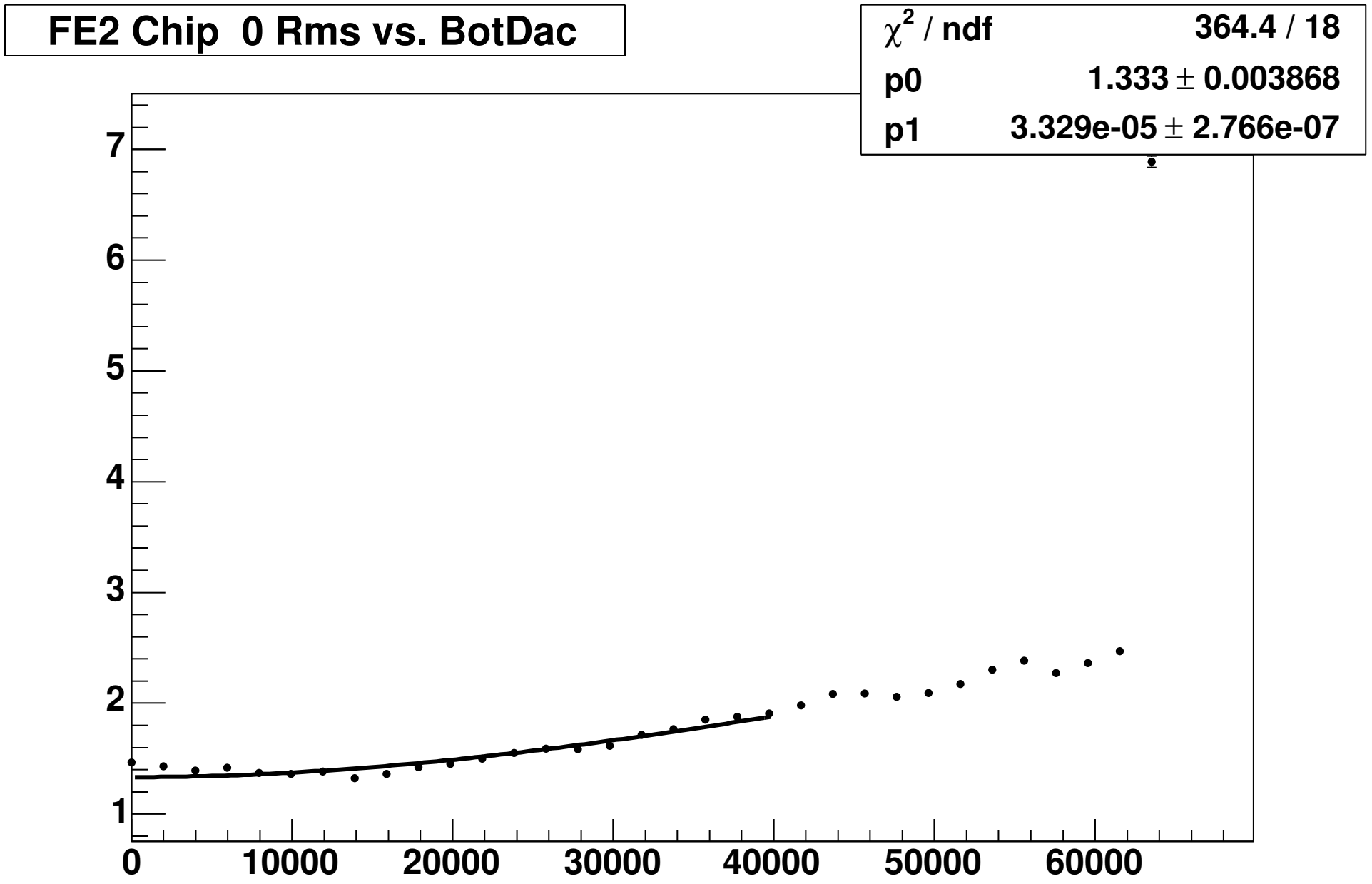
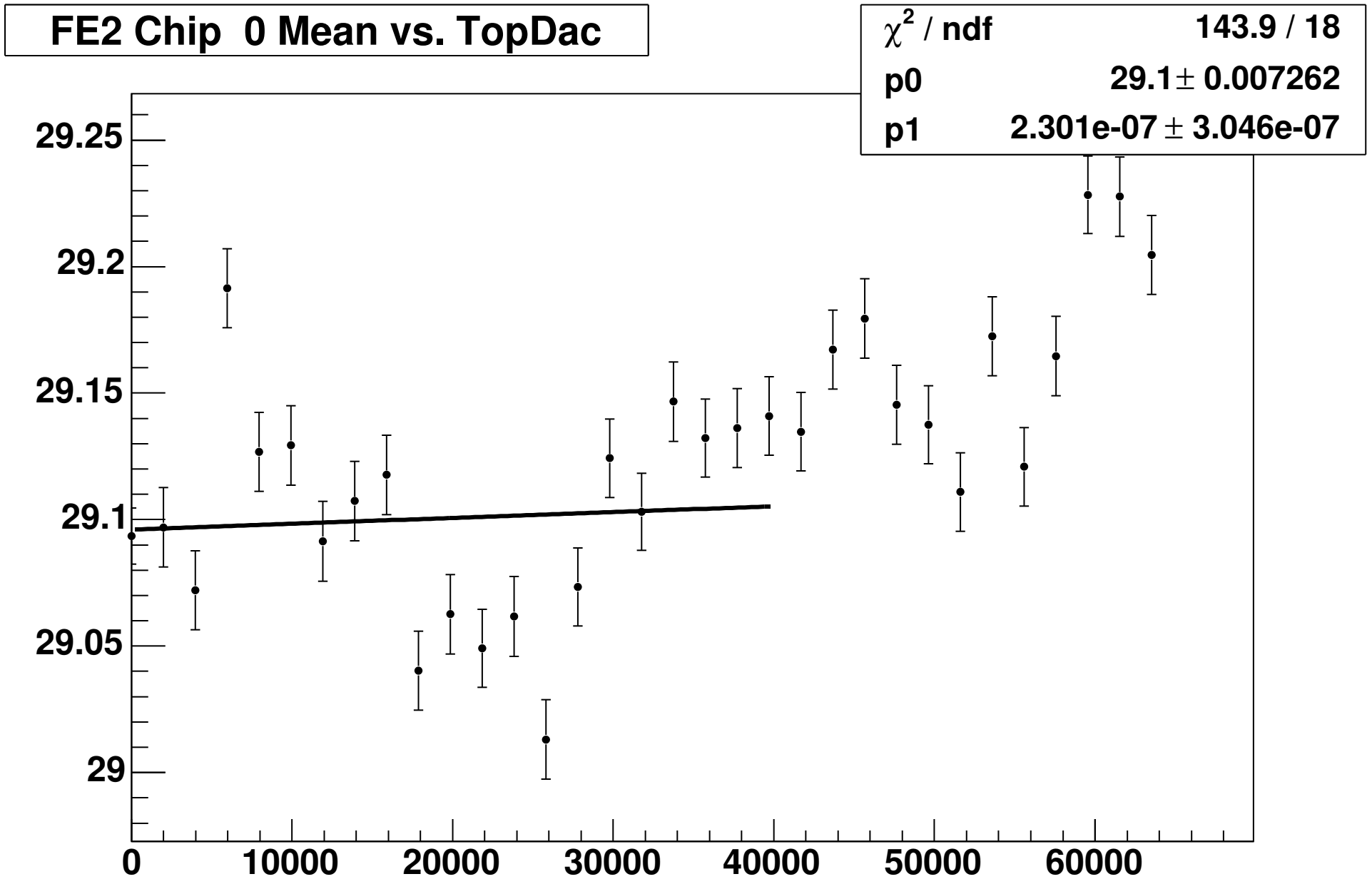
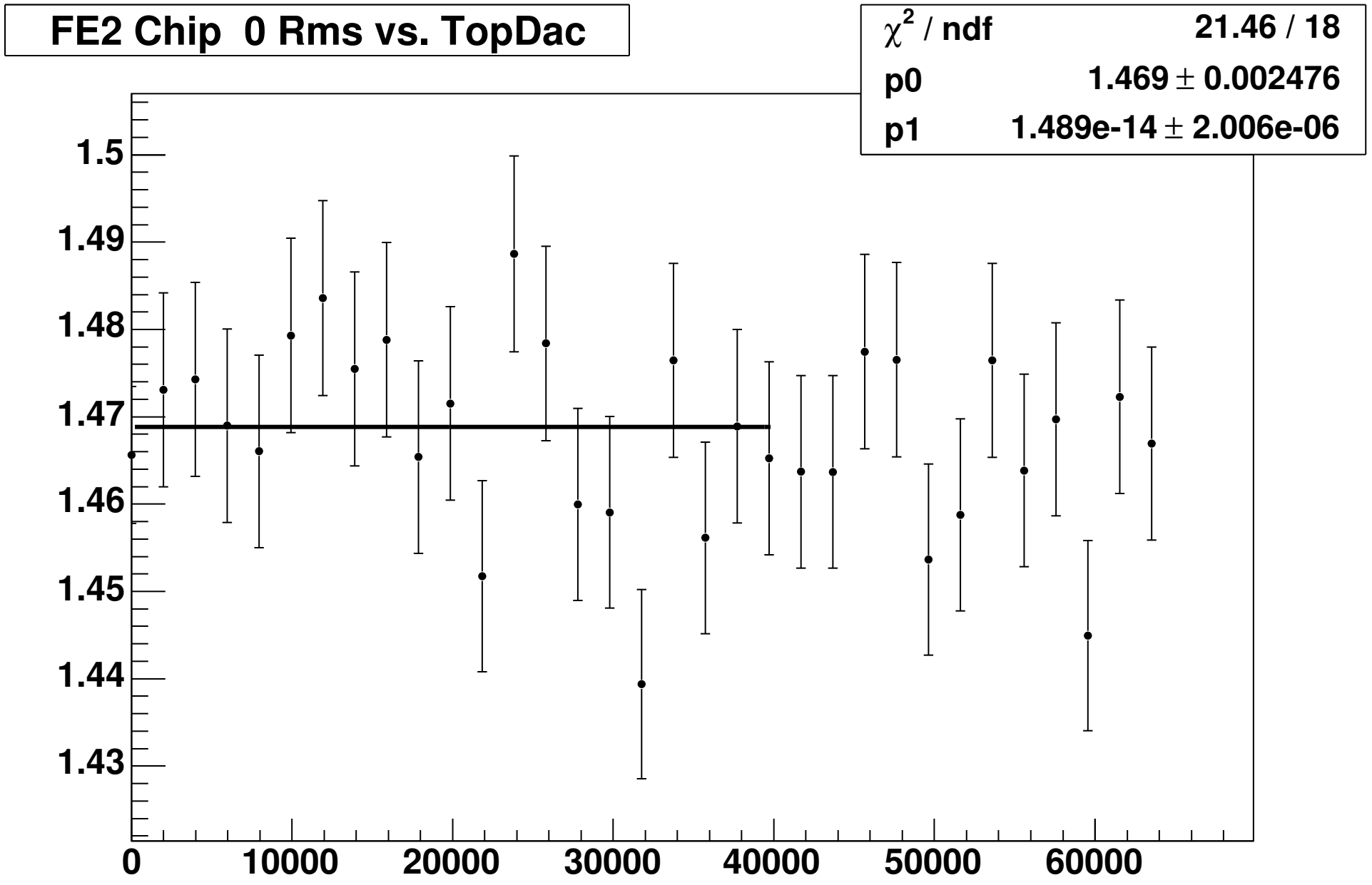
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 367.4 / 18
p0 1.402 ± 0.003966
p1 3.003e-05 ± 3.106e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 2.801e+04 / 18
p0 28.54 ± 0.007139
p1 0.444 ± 3.309e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 364.4 / 18
p0 1.333 ± 0.003868
p1 3.329e-05 ± 2.766e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 143.9 / 18
p0 29.1 ± 0.007262
p1 2.301e-07 ± 3.046e-07
29.25
29.2
29.15
29.1
29.05
29
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 21.46 / 18
p0 1.469 ± 0.002476
p1 1.489e-14 ± 2.006e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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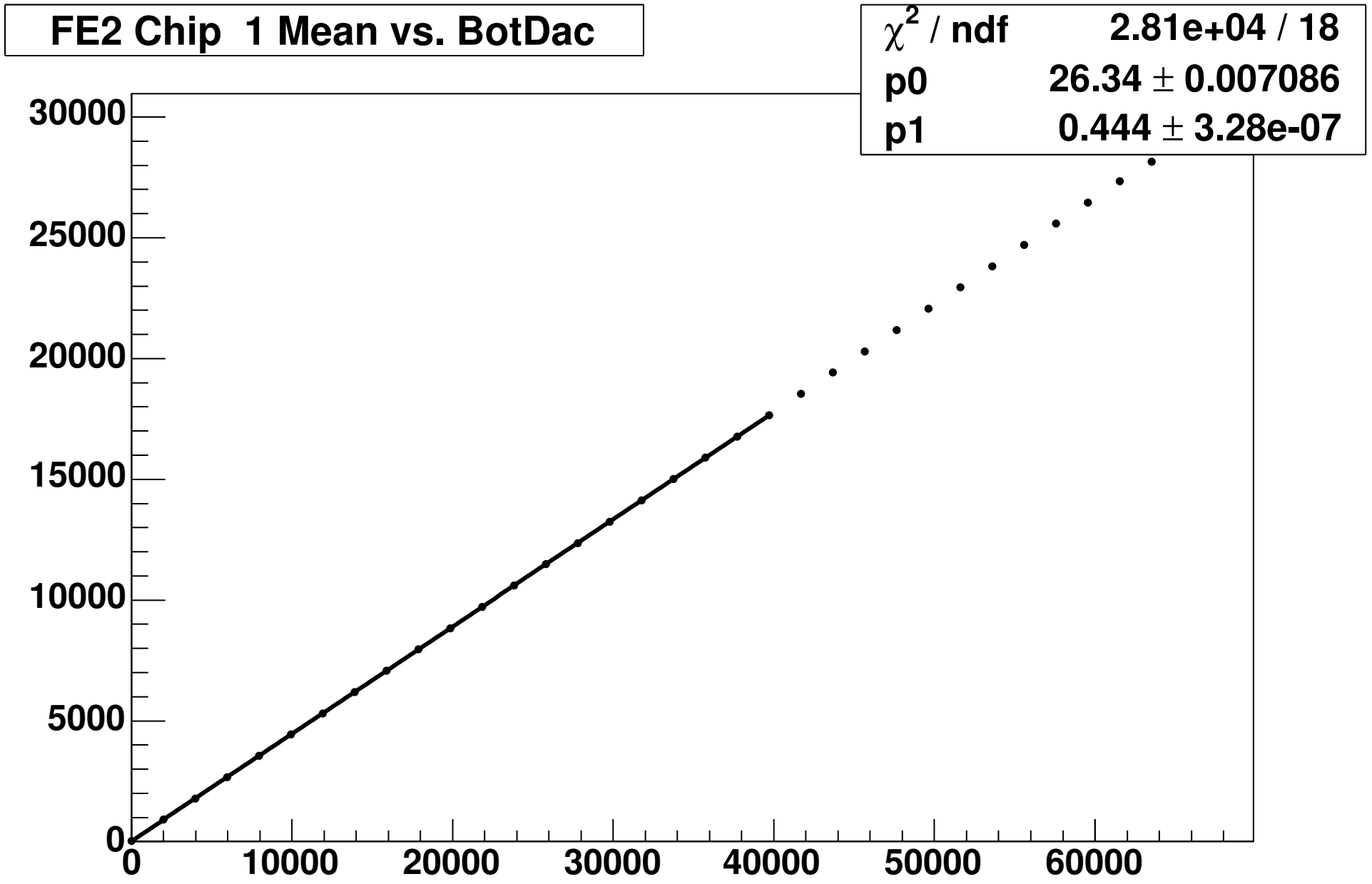
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 2.81e+04 / 18
p0 26.34 ± 0.007086
p1 0.444 ± 3.28e-07
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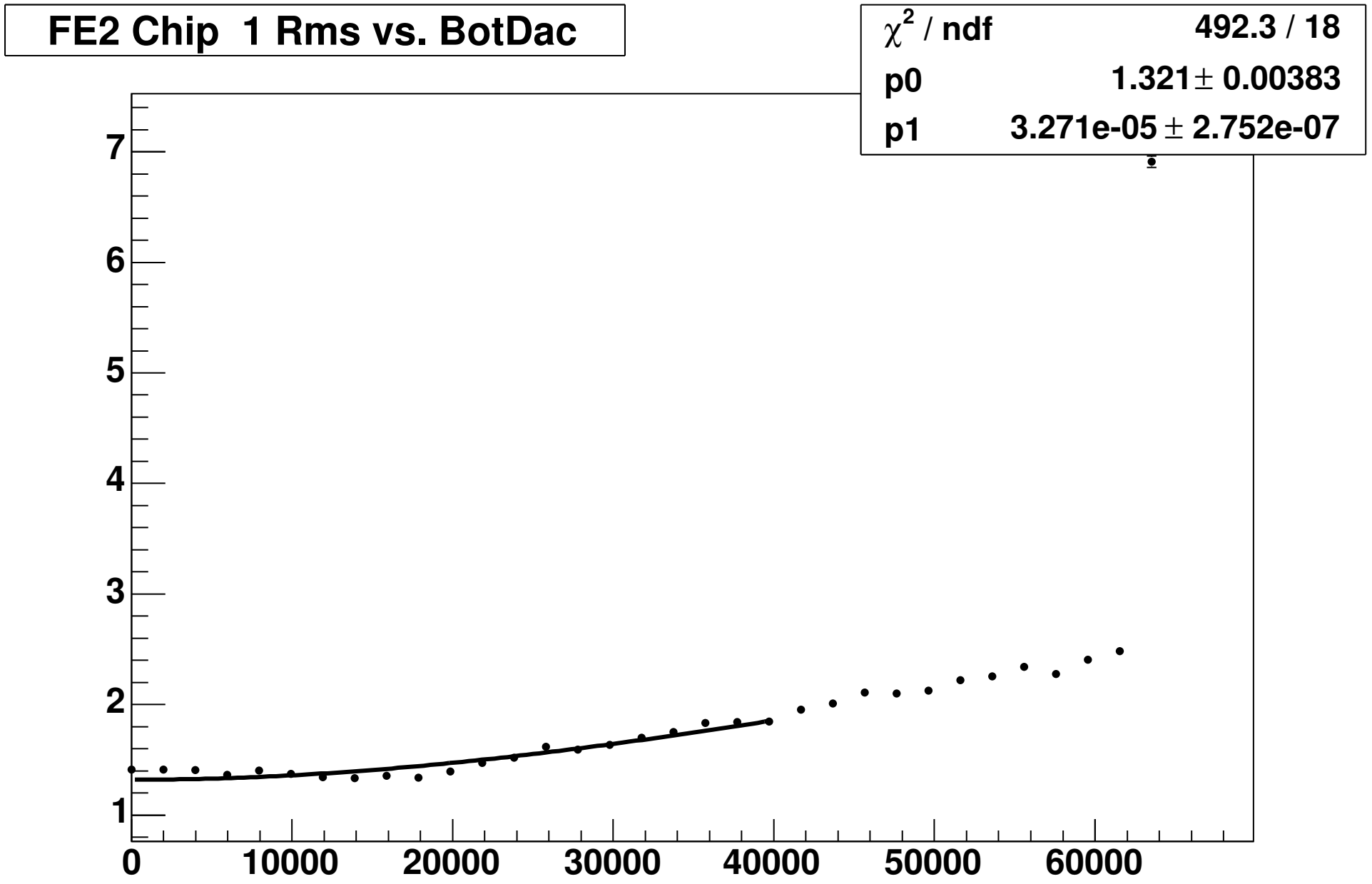
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 492.3 / 18
p0 1.321 ± 0.00383
p1 3.271e-05 ± 2.752e-07
7
6
5
4
3
2
1
0
10000
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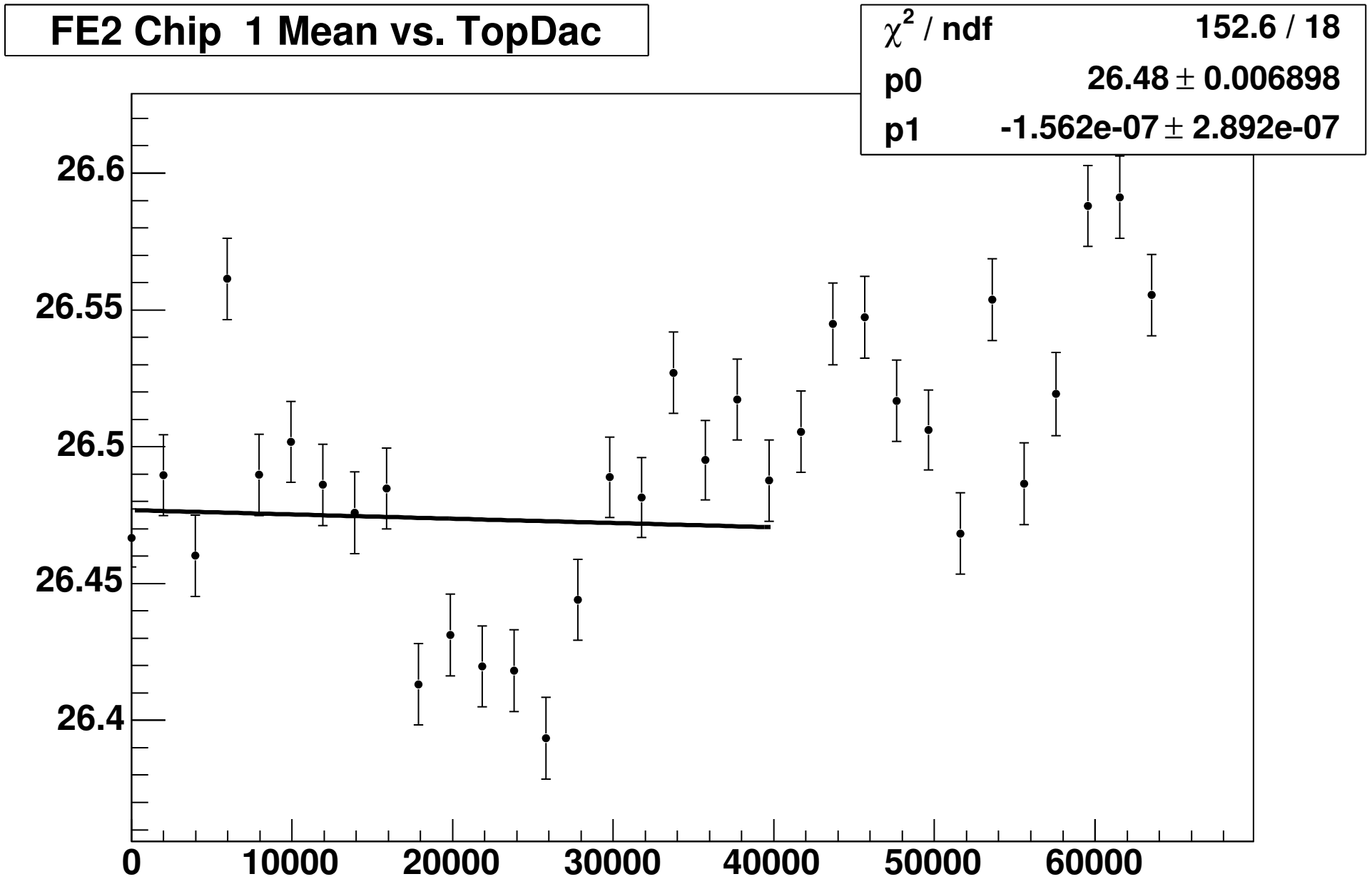
30000
40000
50000
60000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 152.6 / 18
p0 26.48 ± 0.006898
p1 -1.562e-07 ± 2.892e-07
26.6
26.55
26.5
26.45
26.4
0
10000
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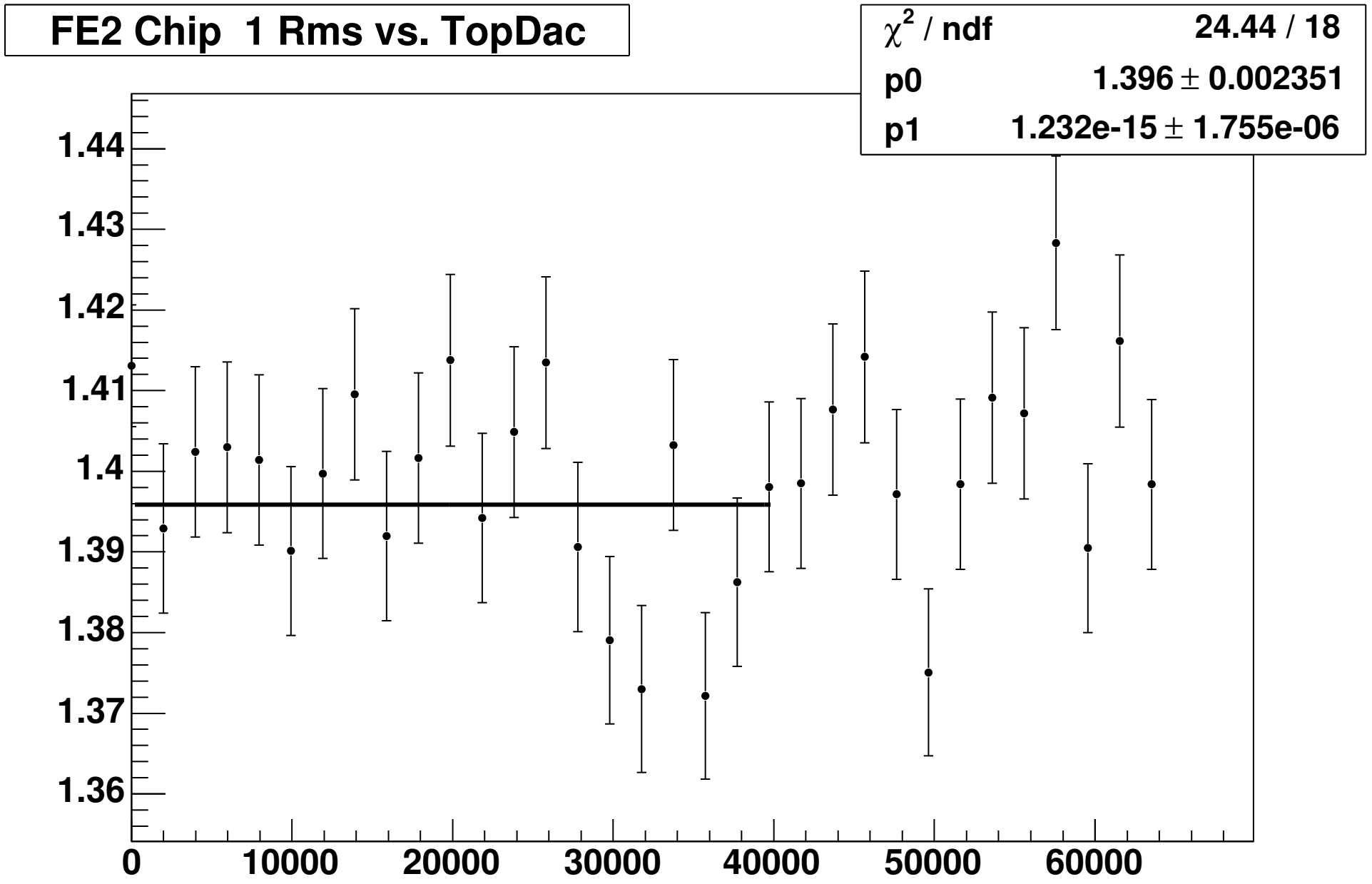
30000
40000
50000
60000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 24.44 / 18
p0 1.396 ± 0.002351
p1 1.232e-15 ± 1.755e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
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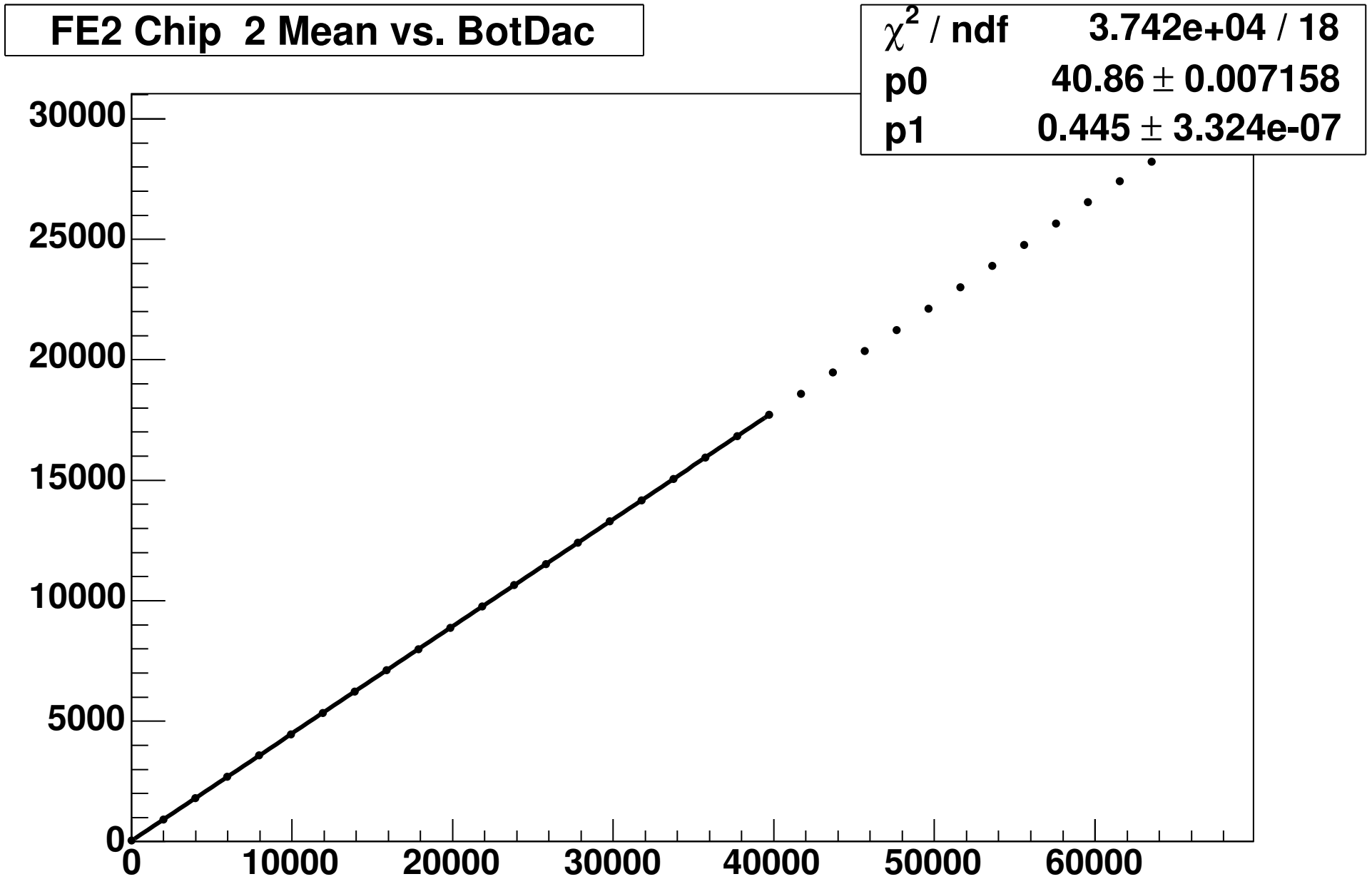
30000
40000
50000
60000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 3.742e+04 / 18
p0 40.86 ± 0.007158
p1 0.445 ± 3.324e-07
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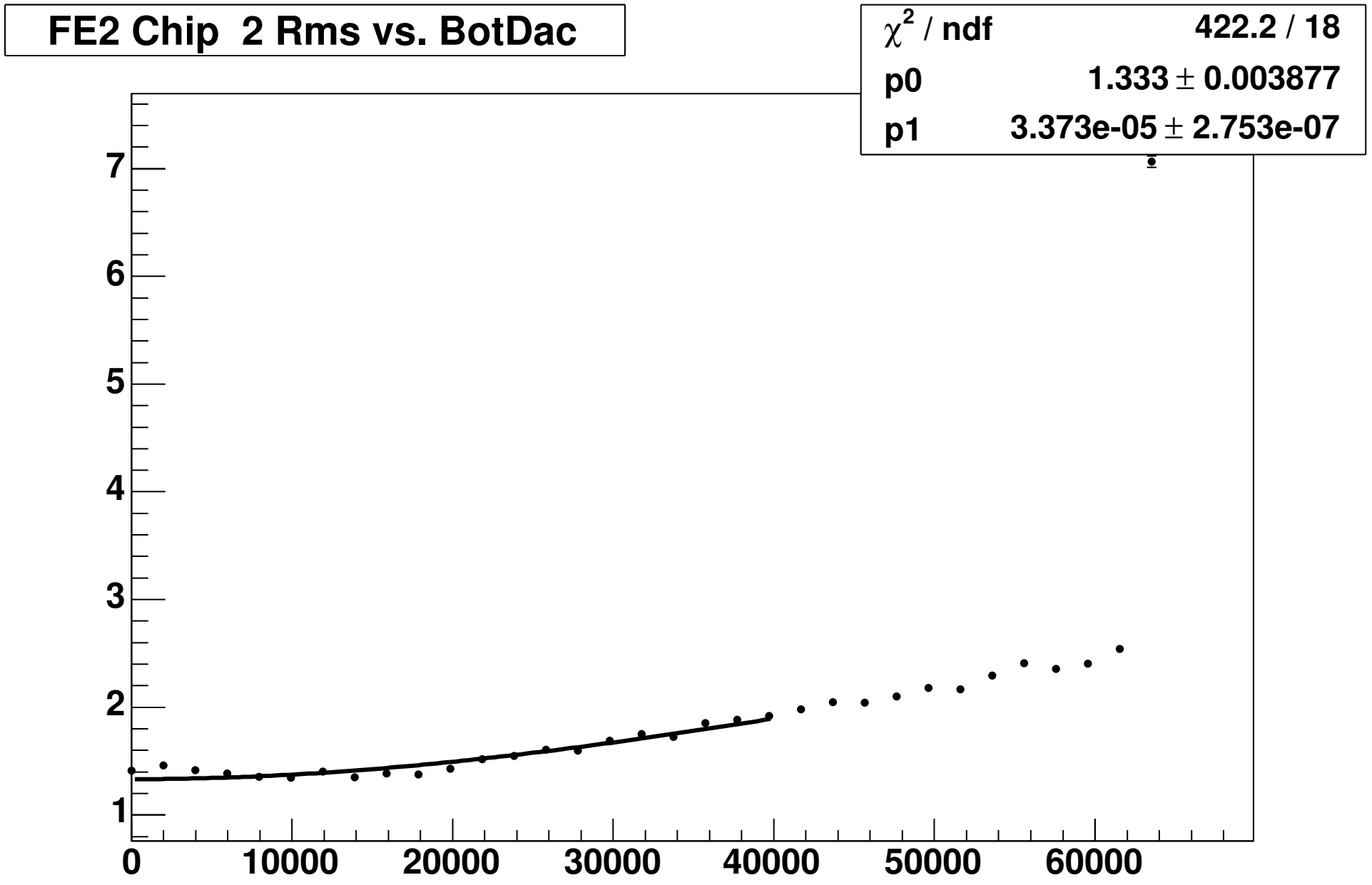
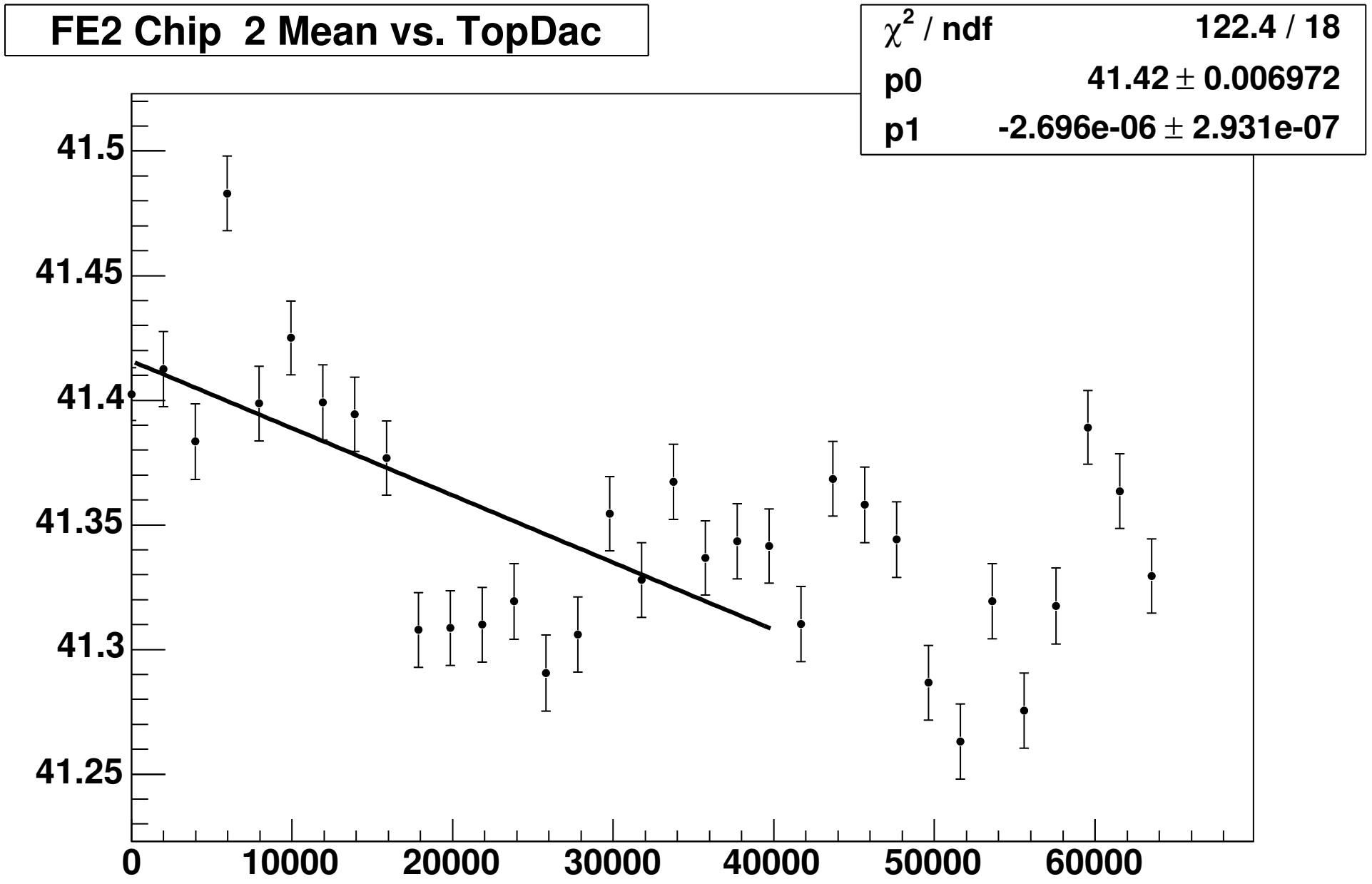
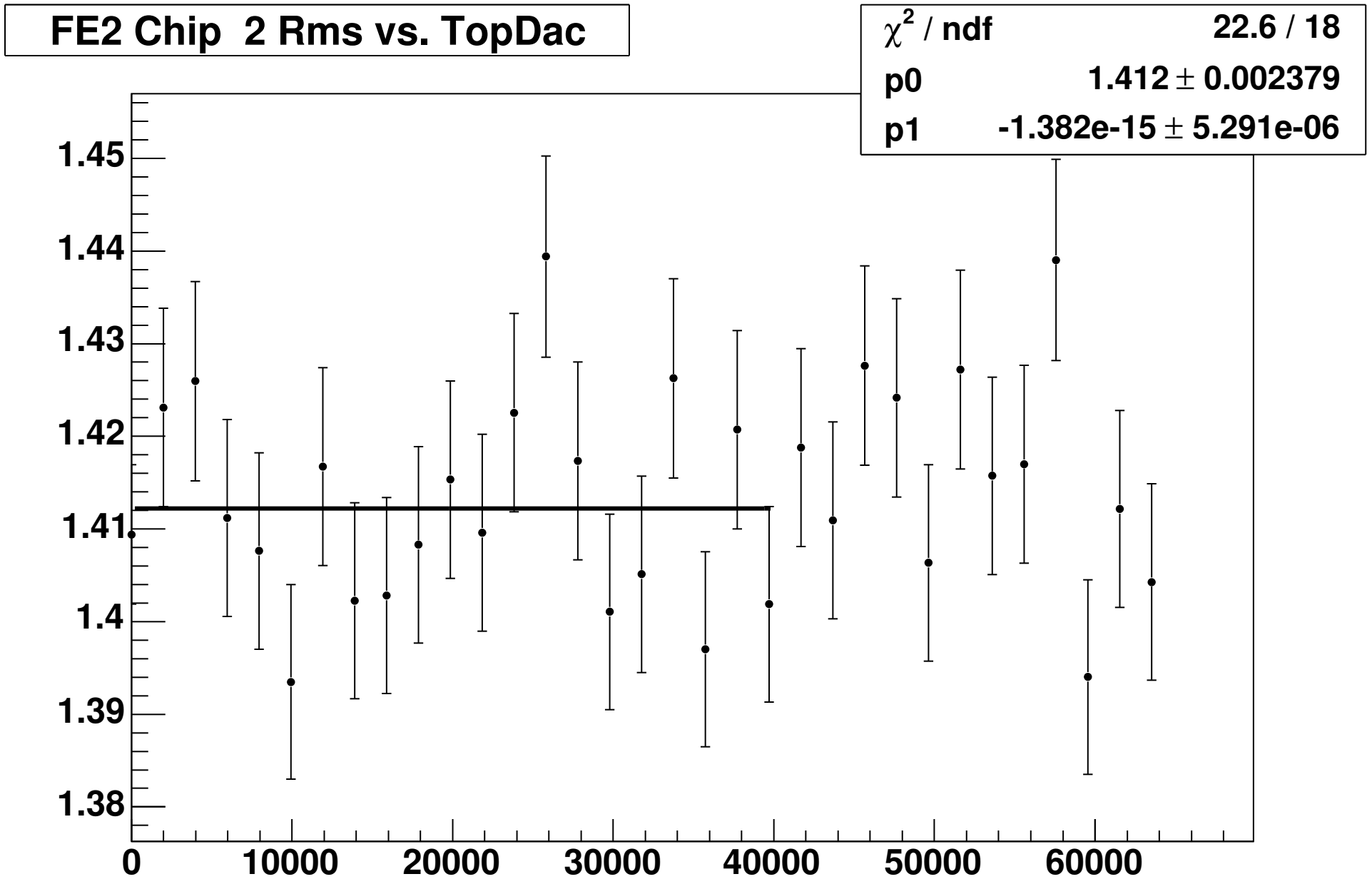
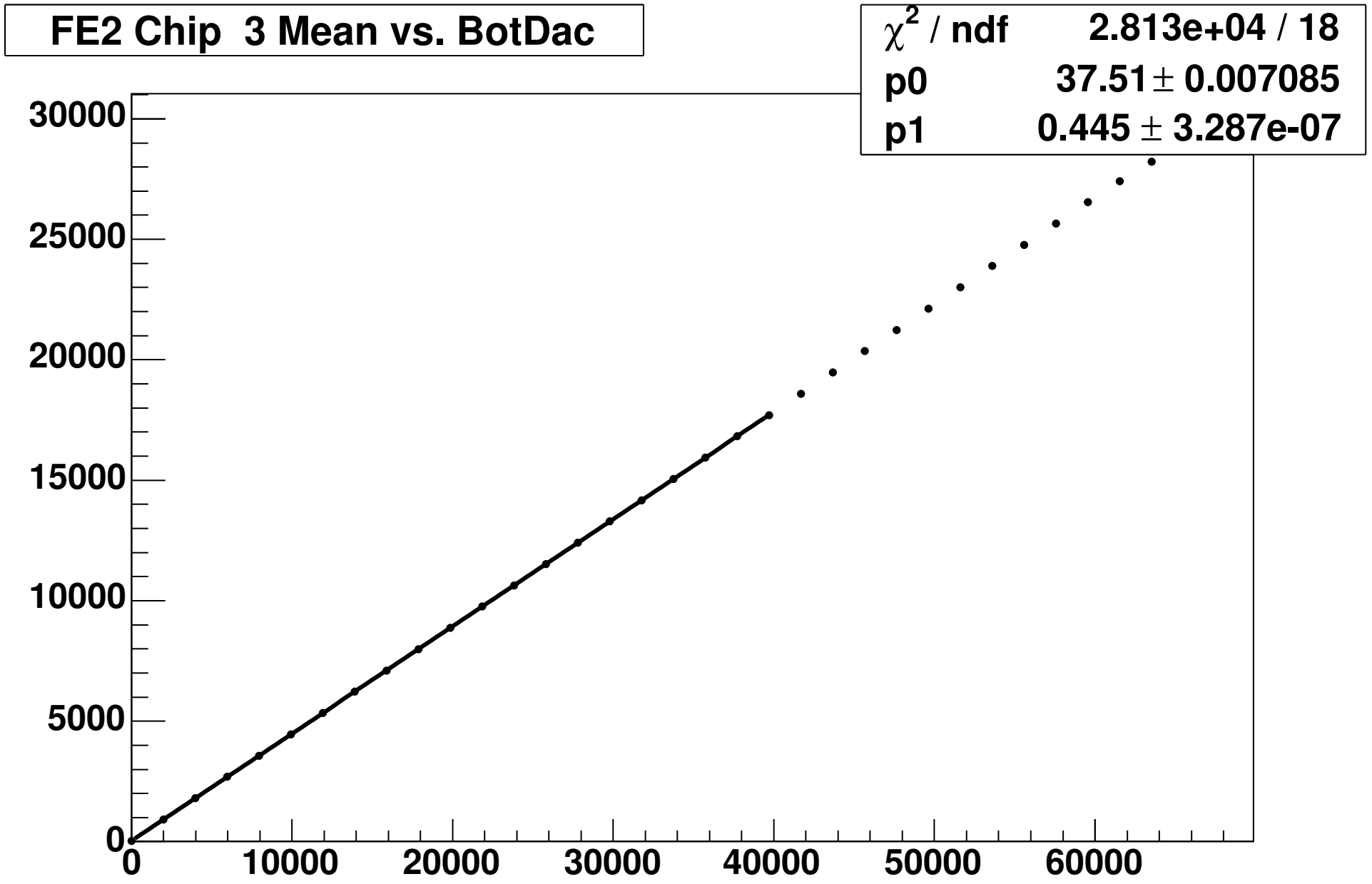
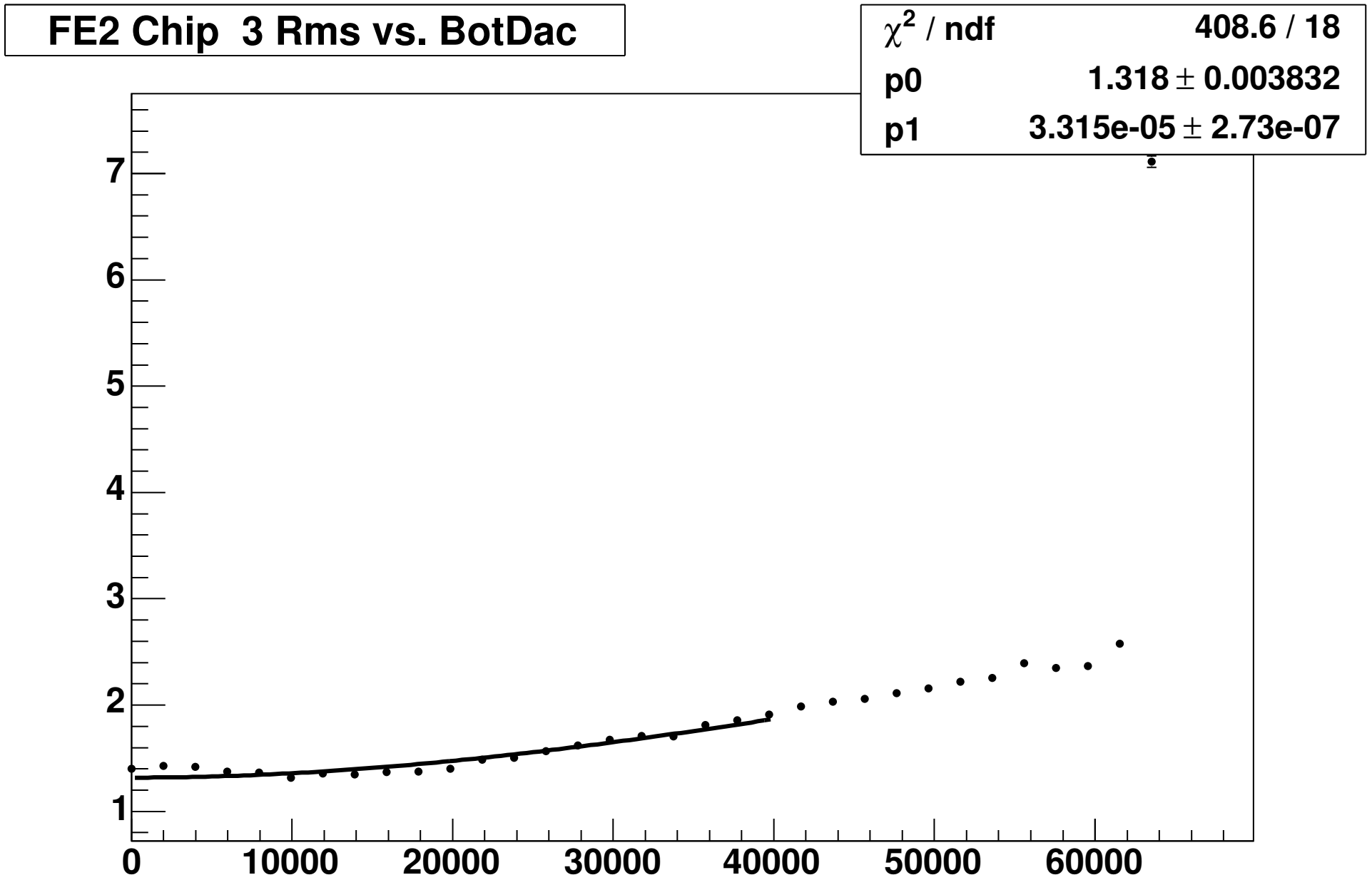
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

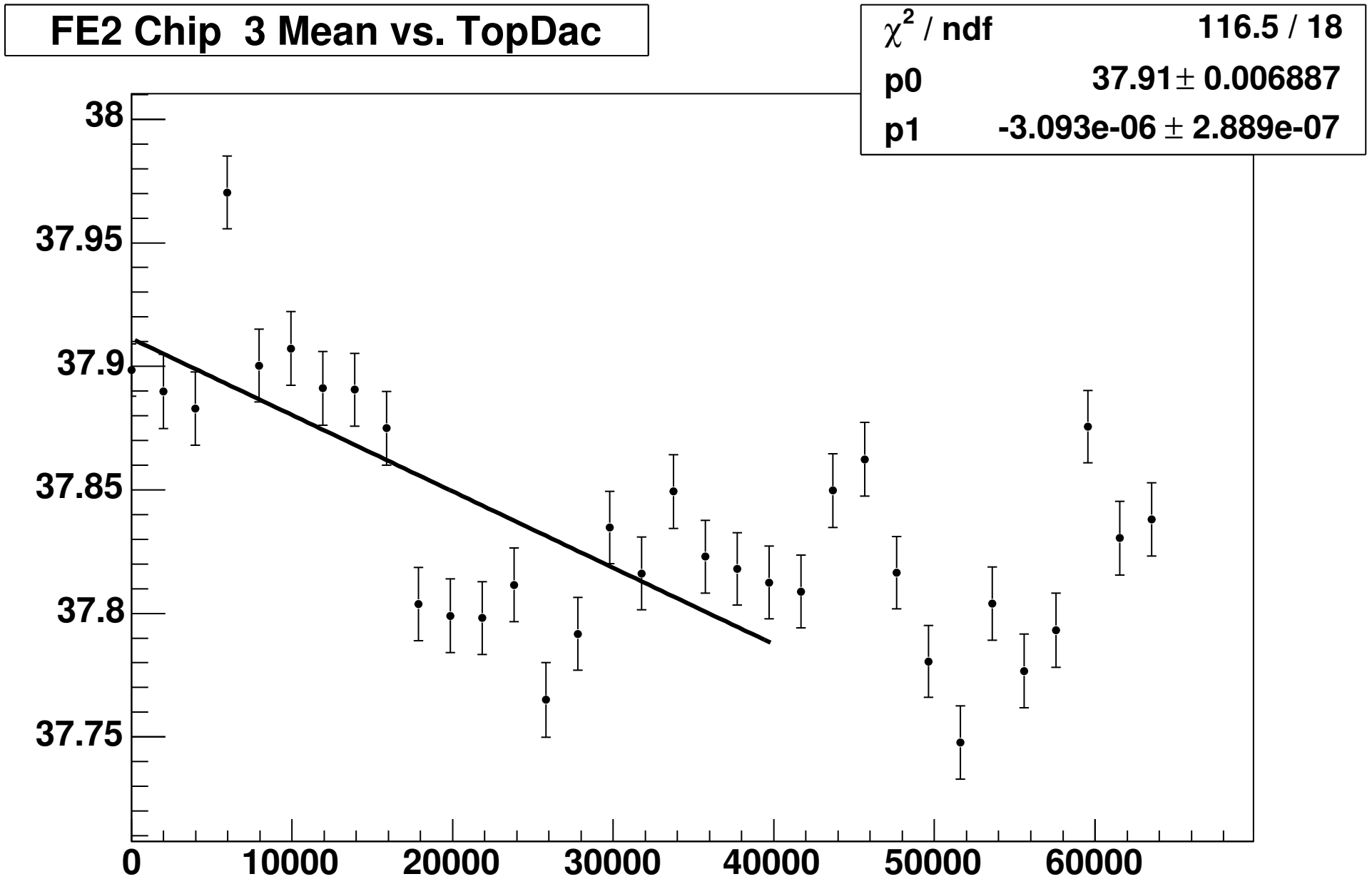

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 422.2 / 18
p0 1.333 ± 0.003877
p1 3.373e-05 ± 2.753e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

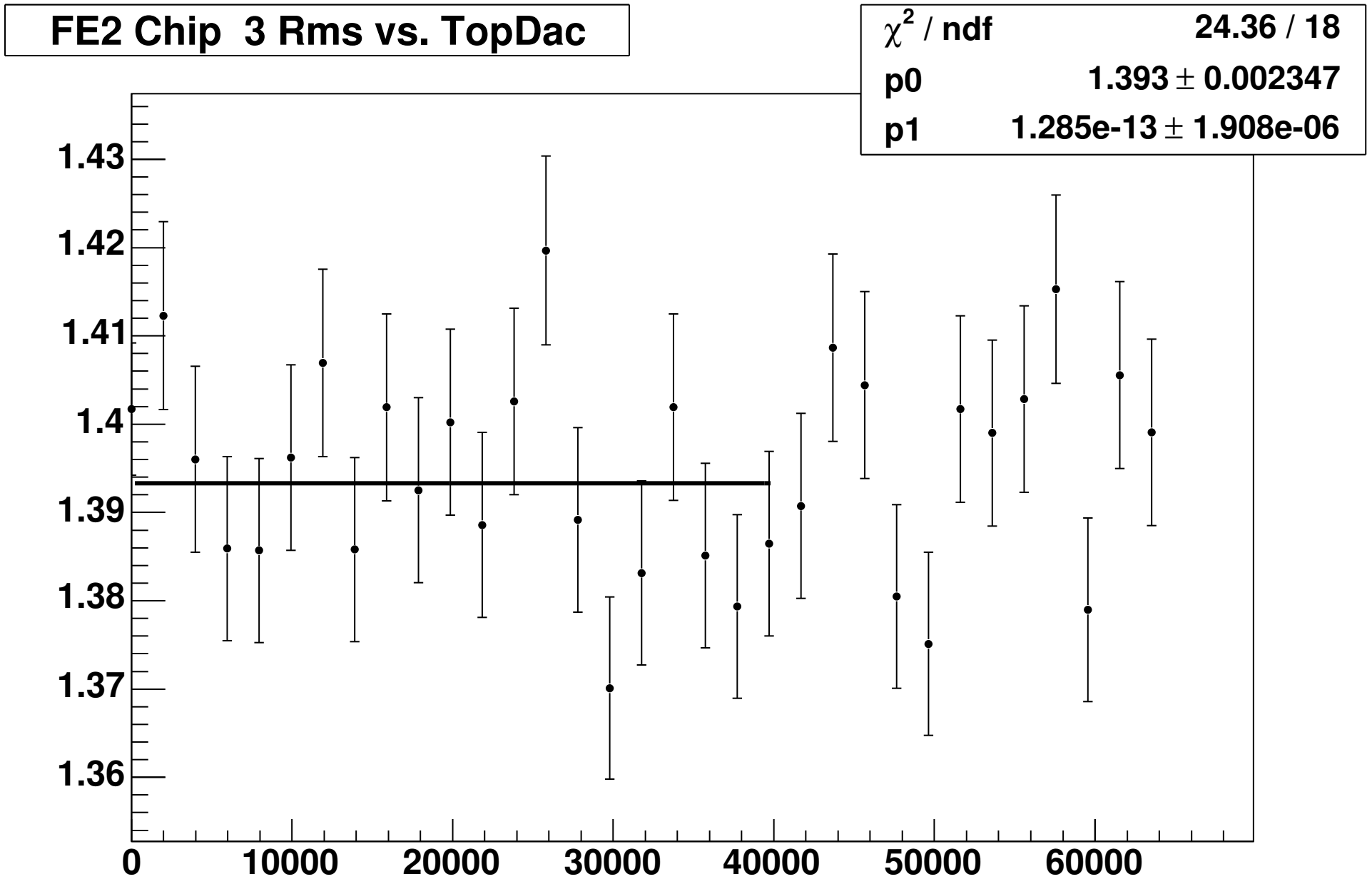

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 122.4 / 18
p0 41.42 ± 0.006972
p1 -2.696e-06 ± 2.931e-07
41.5
41.45
41.4
41.35
41.3
41.25
0
10000
20000
30000
40000
50000
60000

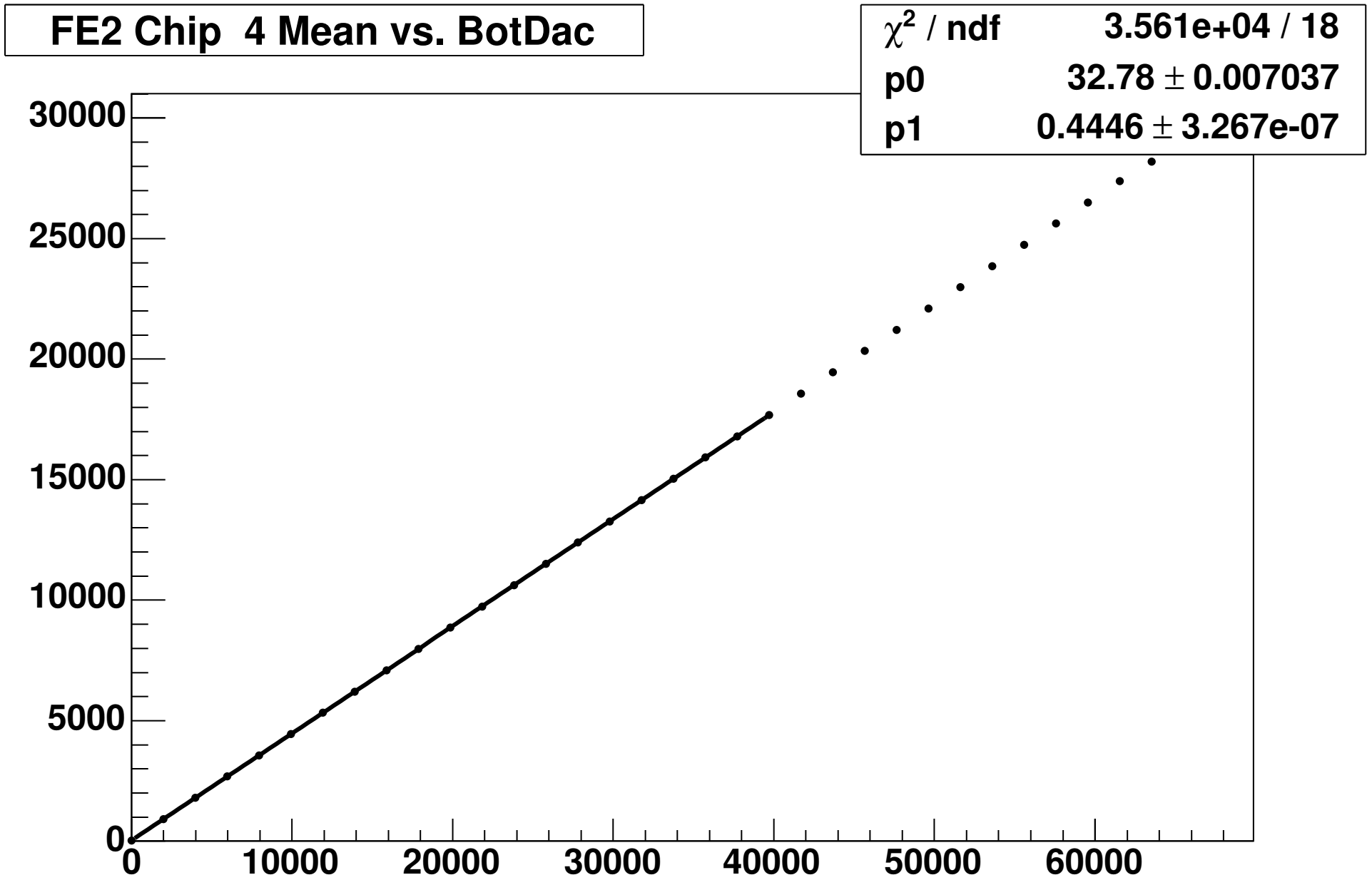

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 22.6 / 18
p0 1.412 ± 0.002379
p1 -1.382e-15 ± 5.291e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

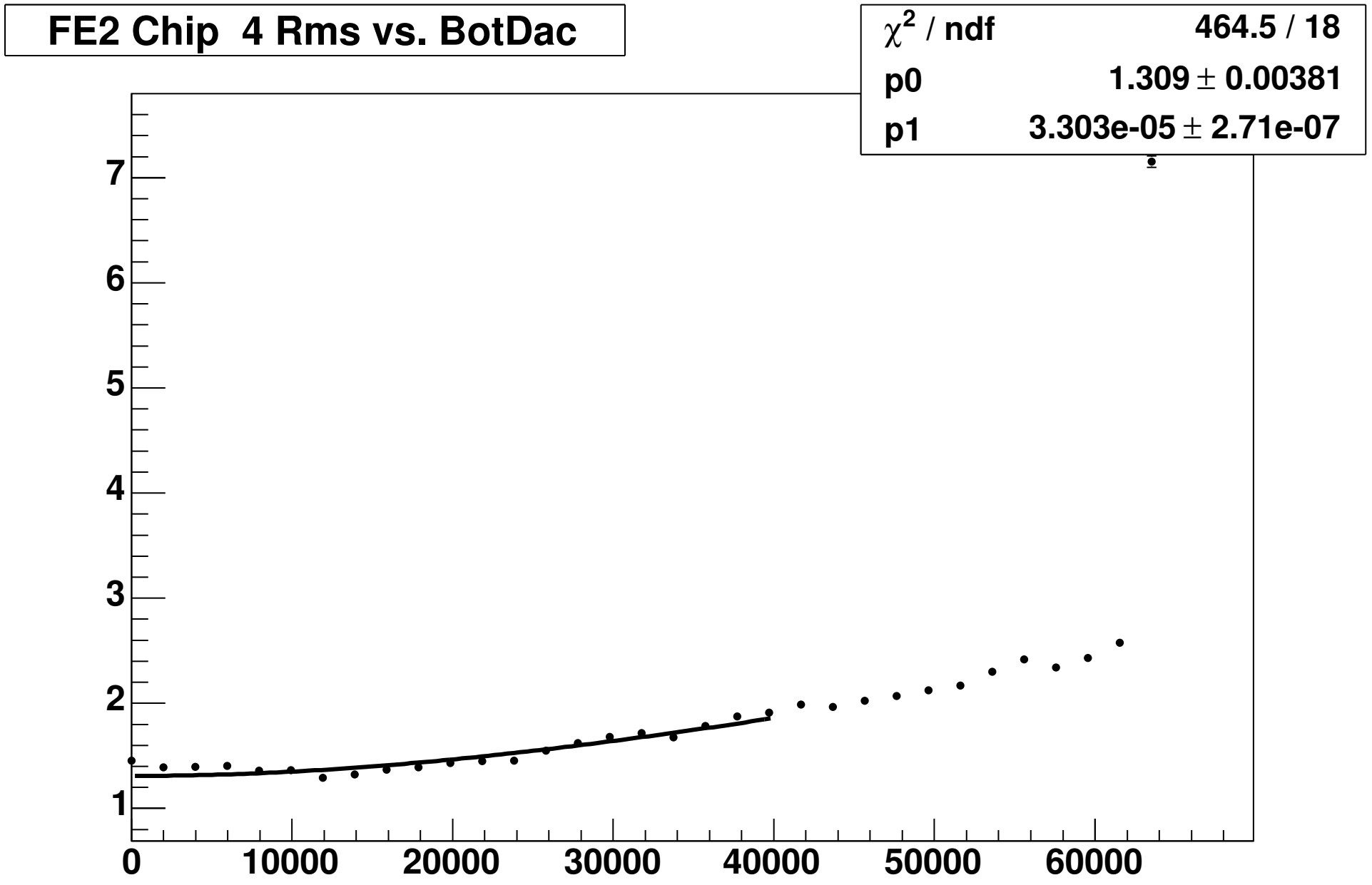

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 2.813e+04 / 18
p0 37.51 ± 0.007085
p1 0.445 ± 3.287e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

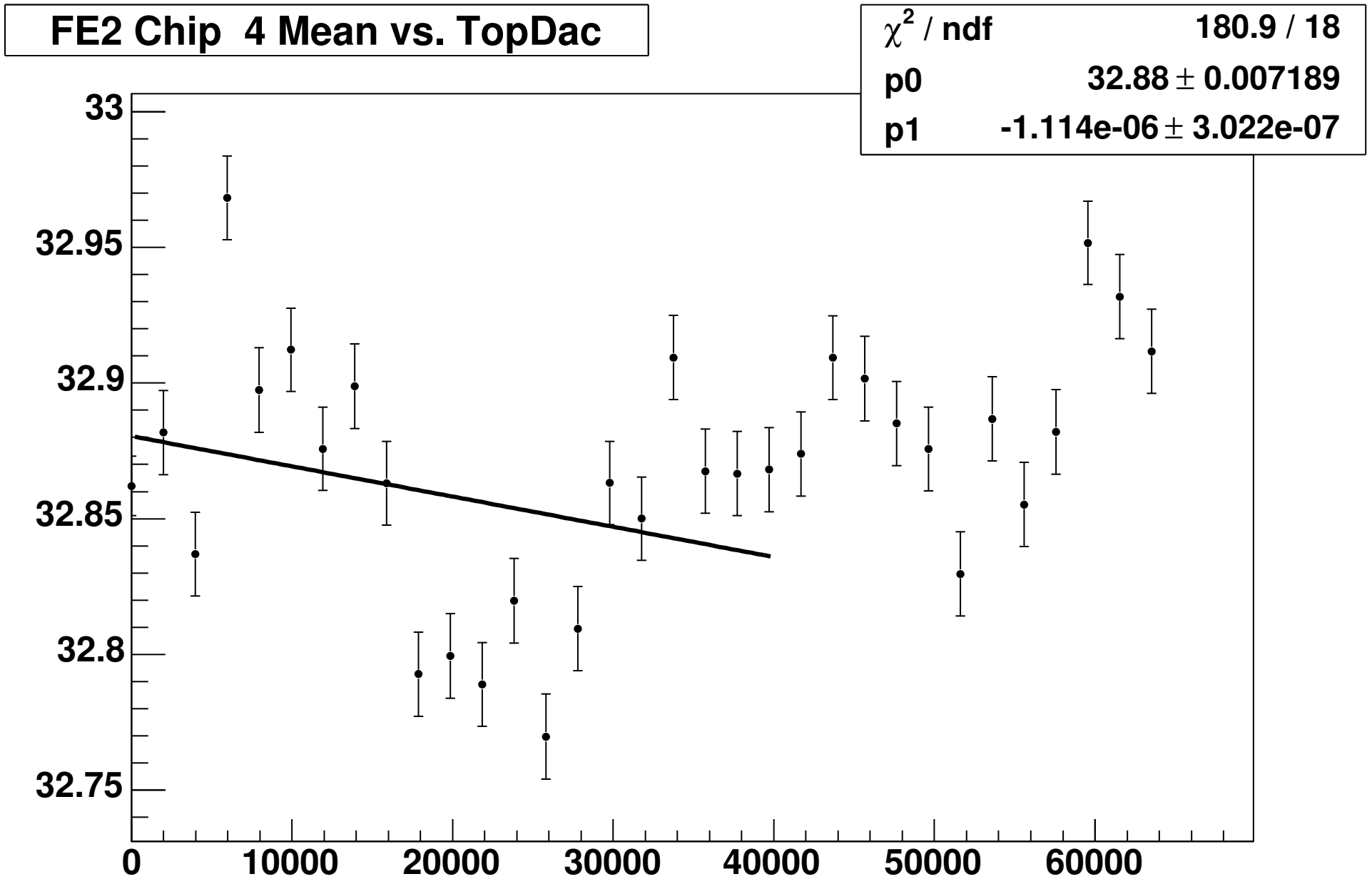

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 408.6 / 18
p0 1.318 ± 0.003832
p1 3.315e-05 ± 2.73e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

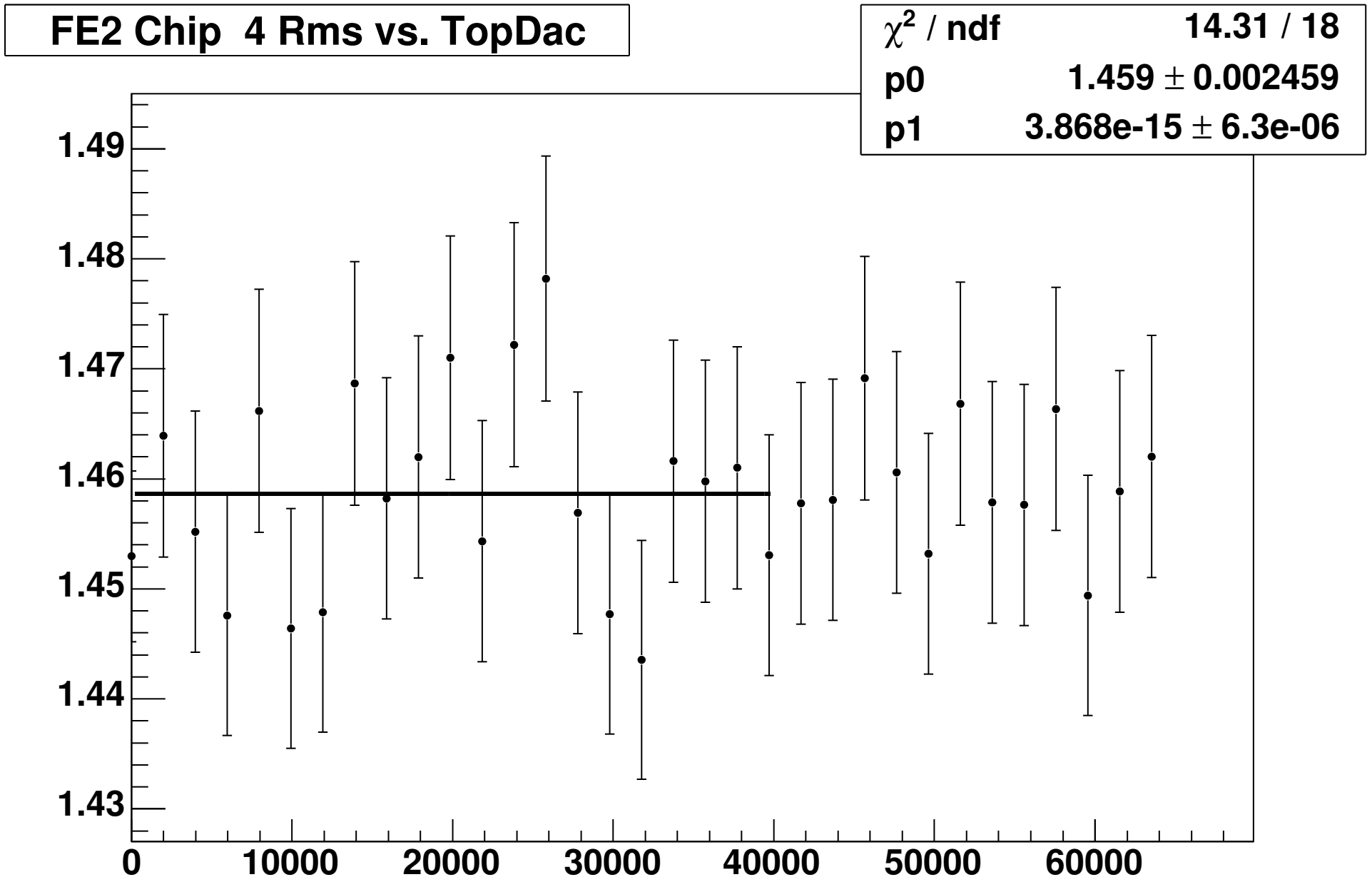

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 116.5 / 18
p0 37.91 ± 0.006887
p1 -3.093e-06 ± 2.889e-07
38
37.95
37.9
37.85
37.8
37.75
0
10000
20000
30000
40000
50000
60000

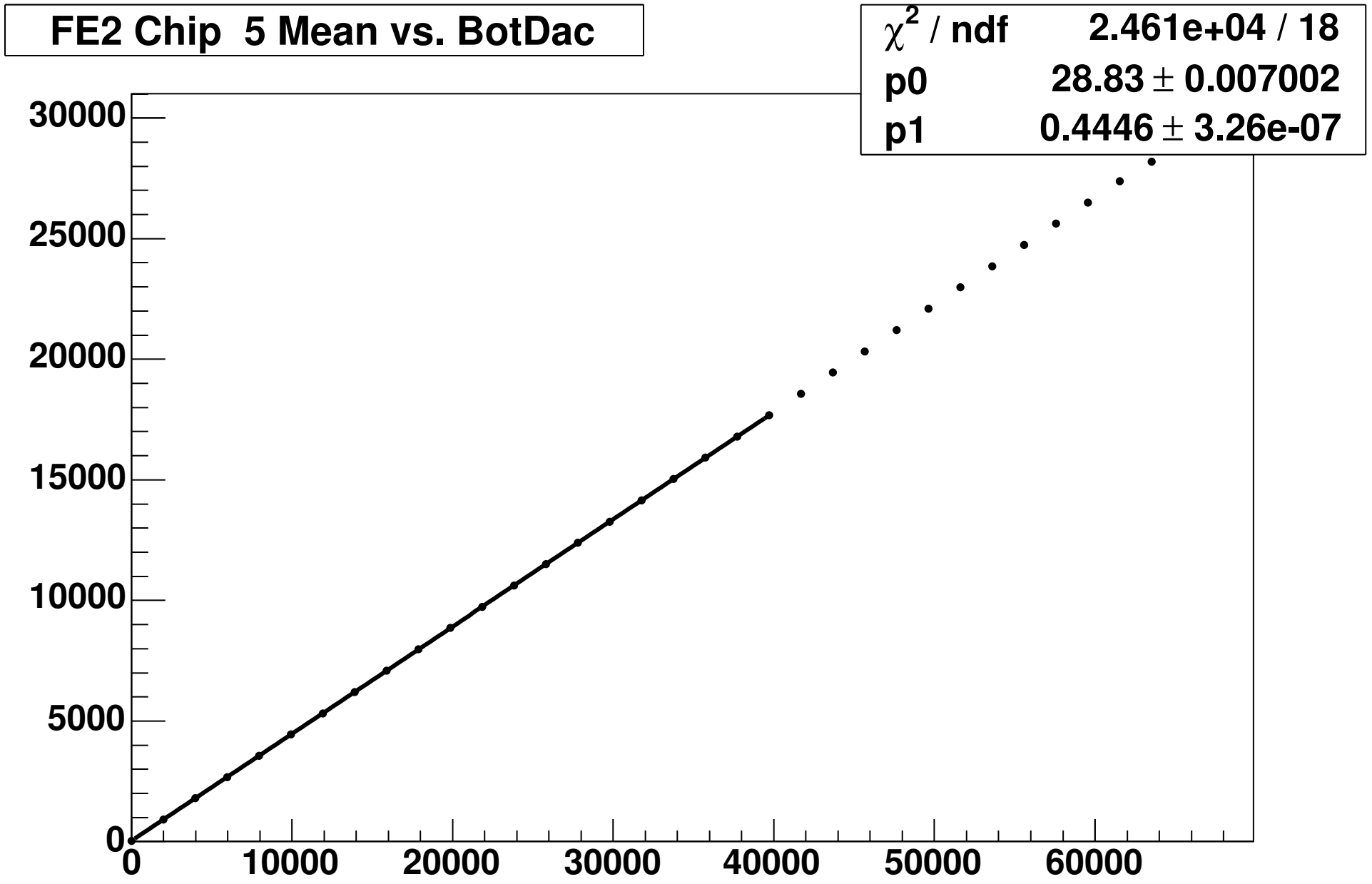

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 24.36 / 18
p0 1.393 ± 0.002347
p1 1.285e-13 ± 1.908e-06
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
20000
30000
40000
50000
60000

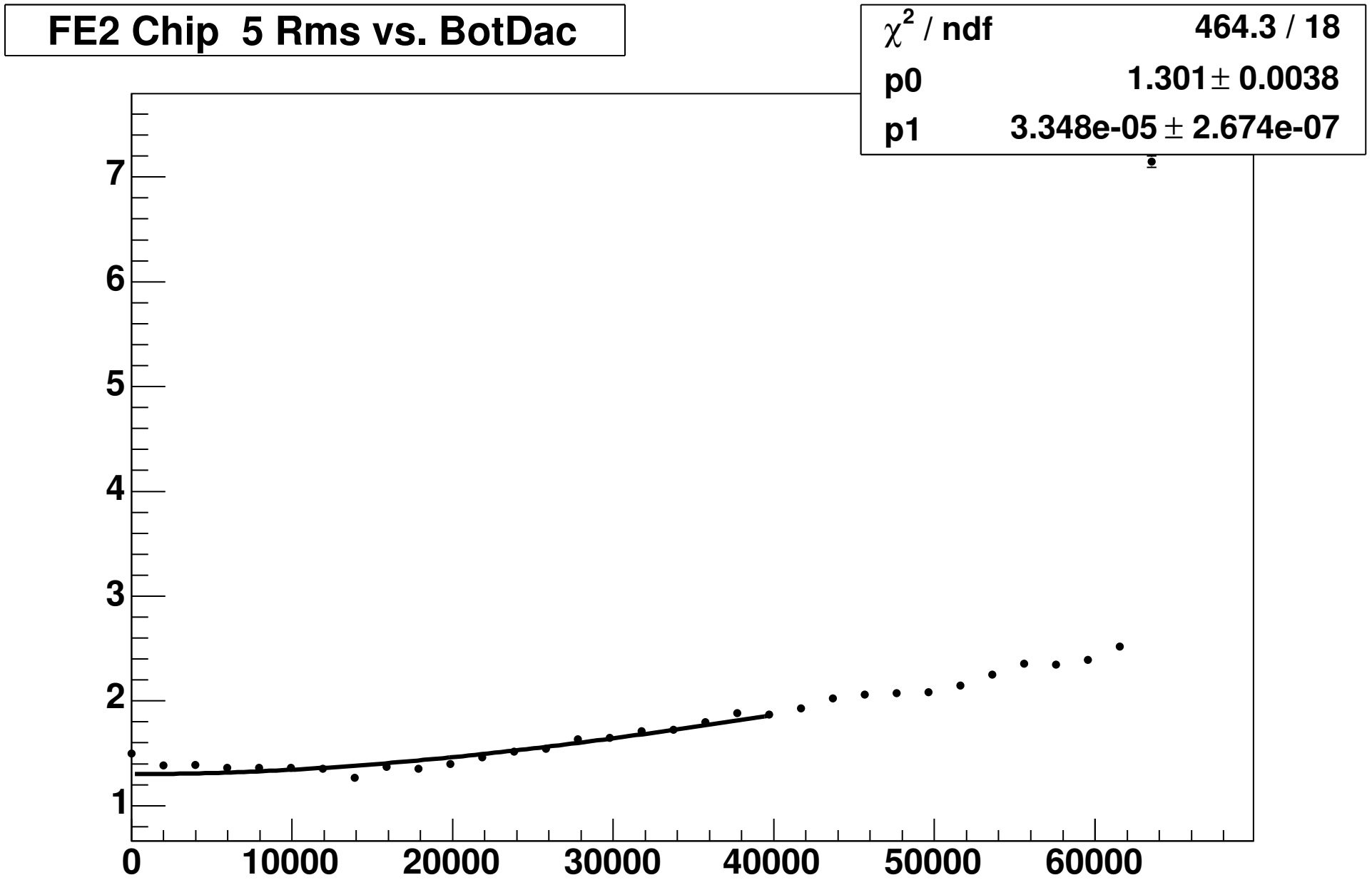

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 3.561e+04 / 18
p0 32.78 ± 0.007037
p1 0.4446 ± 3.267e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

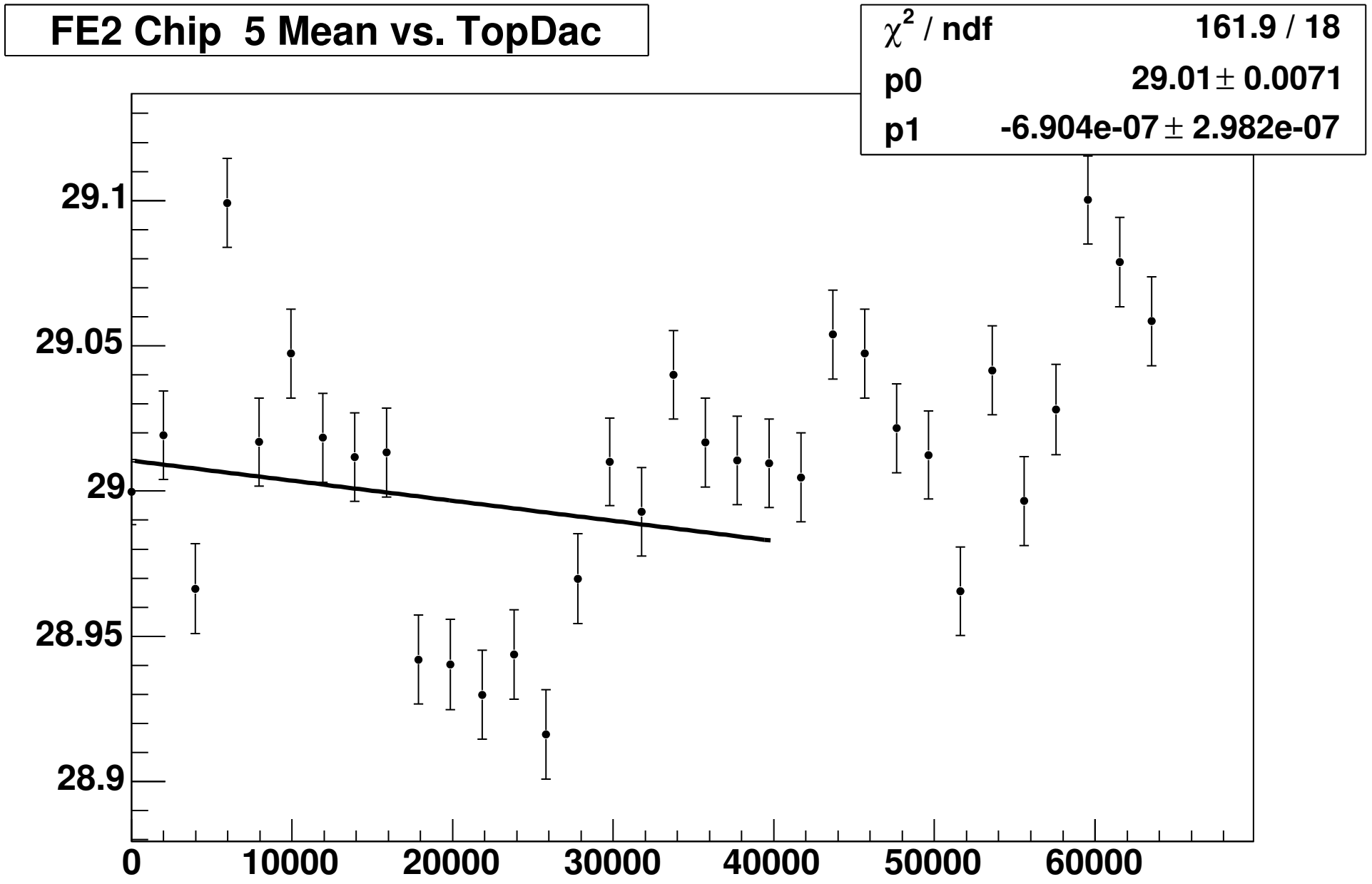

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 464.5 / 18
p0 1.309 ± 0.00381
p1 3.303e-05 ± 2.71e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

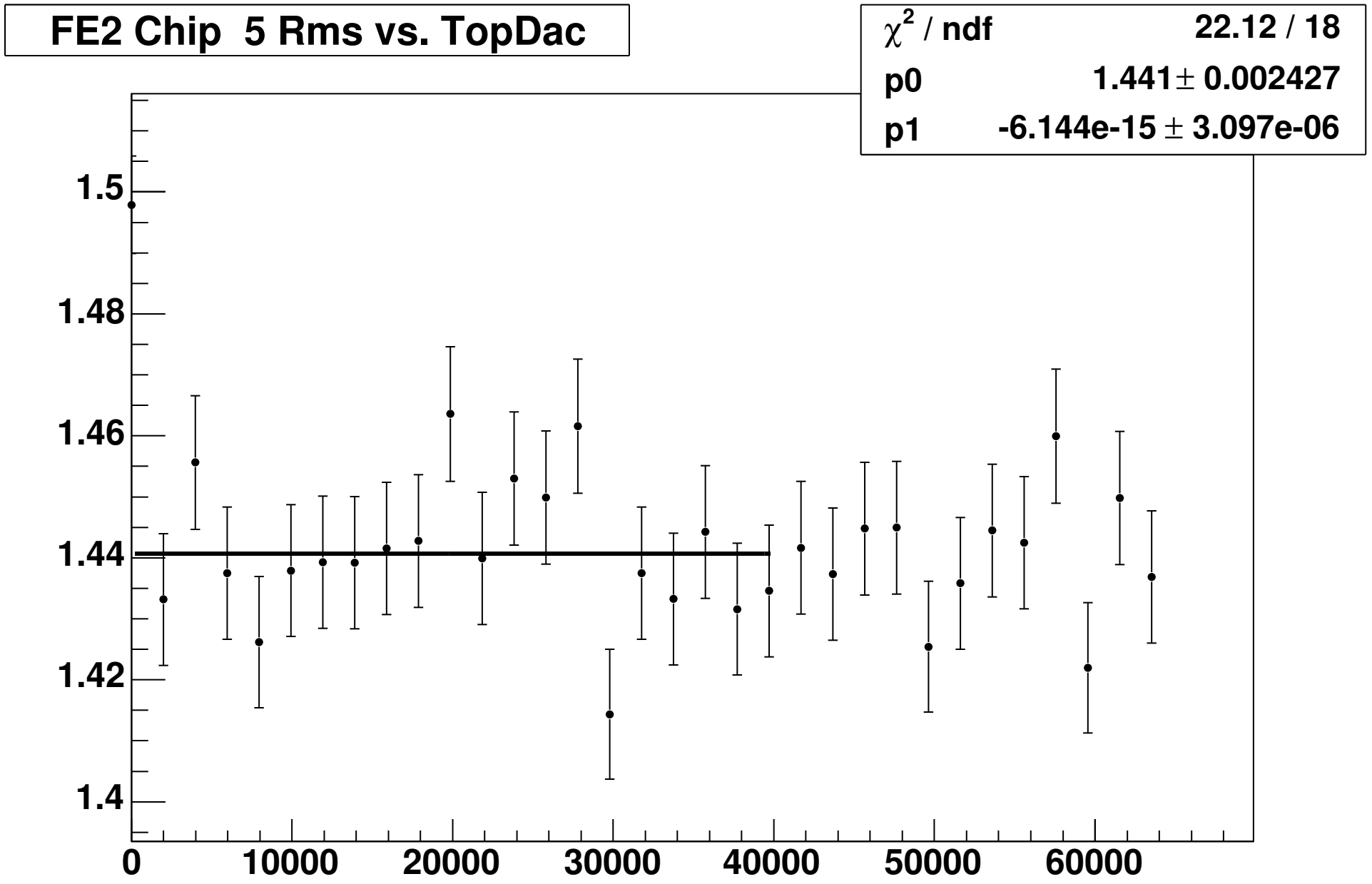

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 180.9 / 18
p0 32.88 ± 0.007189
p1 -1.114e-06 ± 3.022e-07
33
32.95
32.9
32.85
32.8
32.75
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 14.31 / 18
p0 1.459 ± 0.002459
p1 3.868e-15 ± 6.3e-06
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 2.461e+04 / 18
p0 28.83 ± 0.007002
p1 0.4446 ± 3.26e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 464.3 / 18
p0 1.301 ± 0.0038
p1 3.348e-05 ± 2.674e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 161.9 / 18
p0 29.01 ± 0.0071
p1 -6.904e-07 ± 2.982e-07
29.1
29.05
29
28.95
28.9
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 22.12 / 18
p0 1.441 ± 0.002427
p1 -6.144e-15 ± 3.097e-06
1.5
1.48
1.46
1.44
1.42
1.4
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10000
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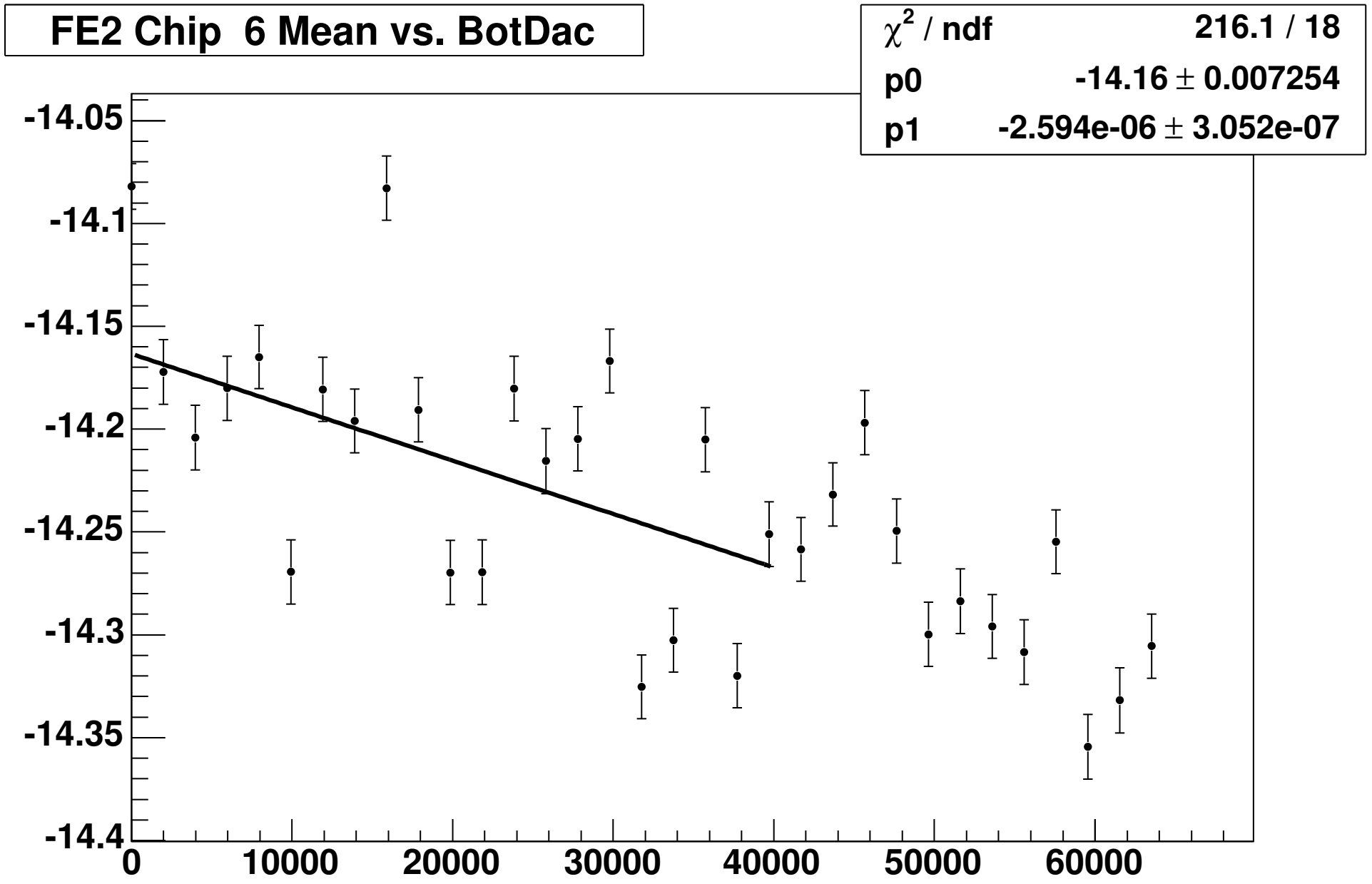
50000
60000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 216.1 / 18
p0 -14.16 ± 0.007254
p1 -2.594e-06 ± 3.052e-07
-14.05
-14.1
-14.15
-14.2
-14.25
-14.3
-14.35
-14.4
0
10000
20000
30000
40000
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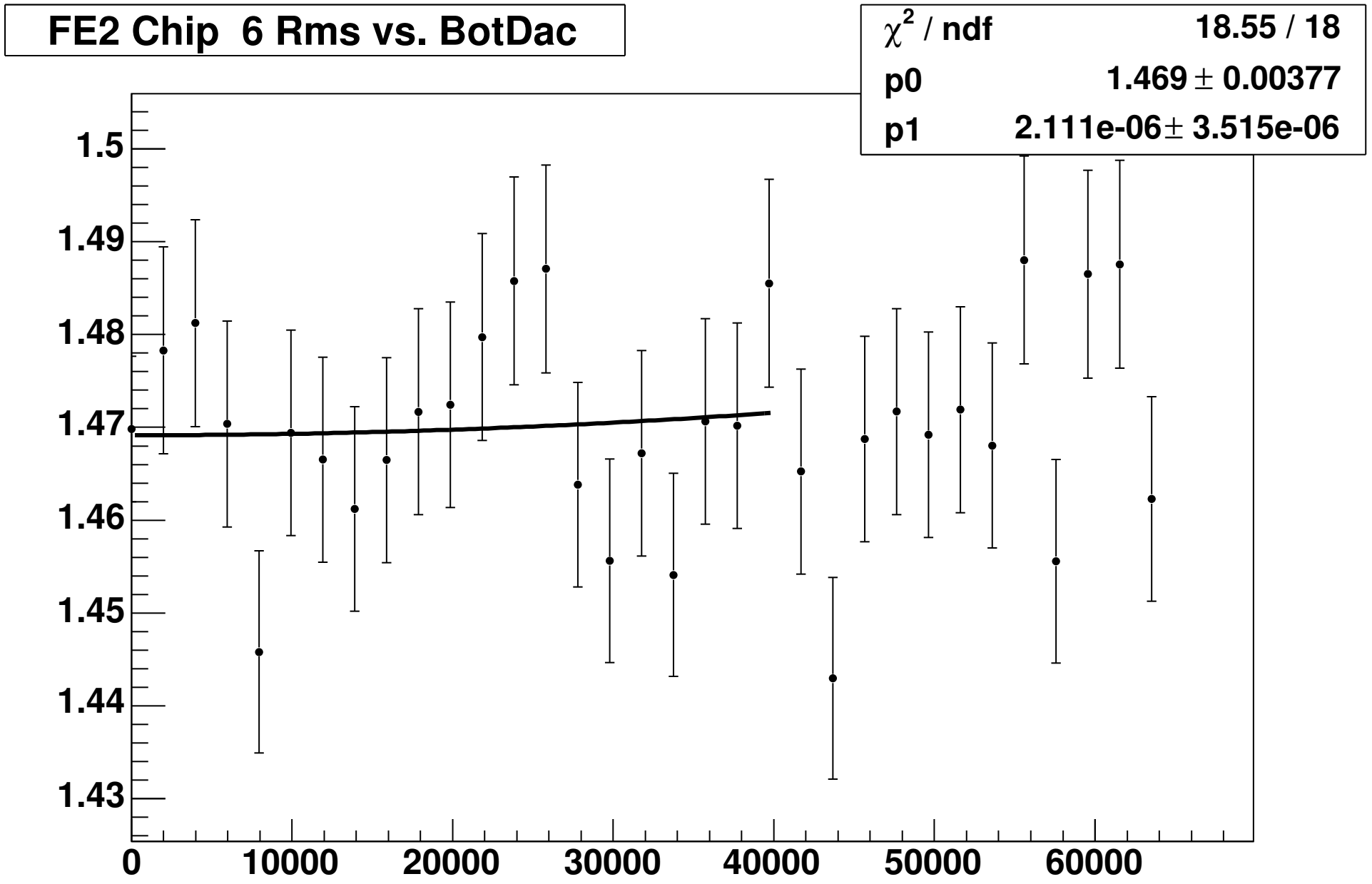
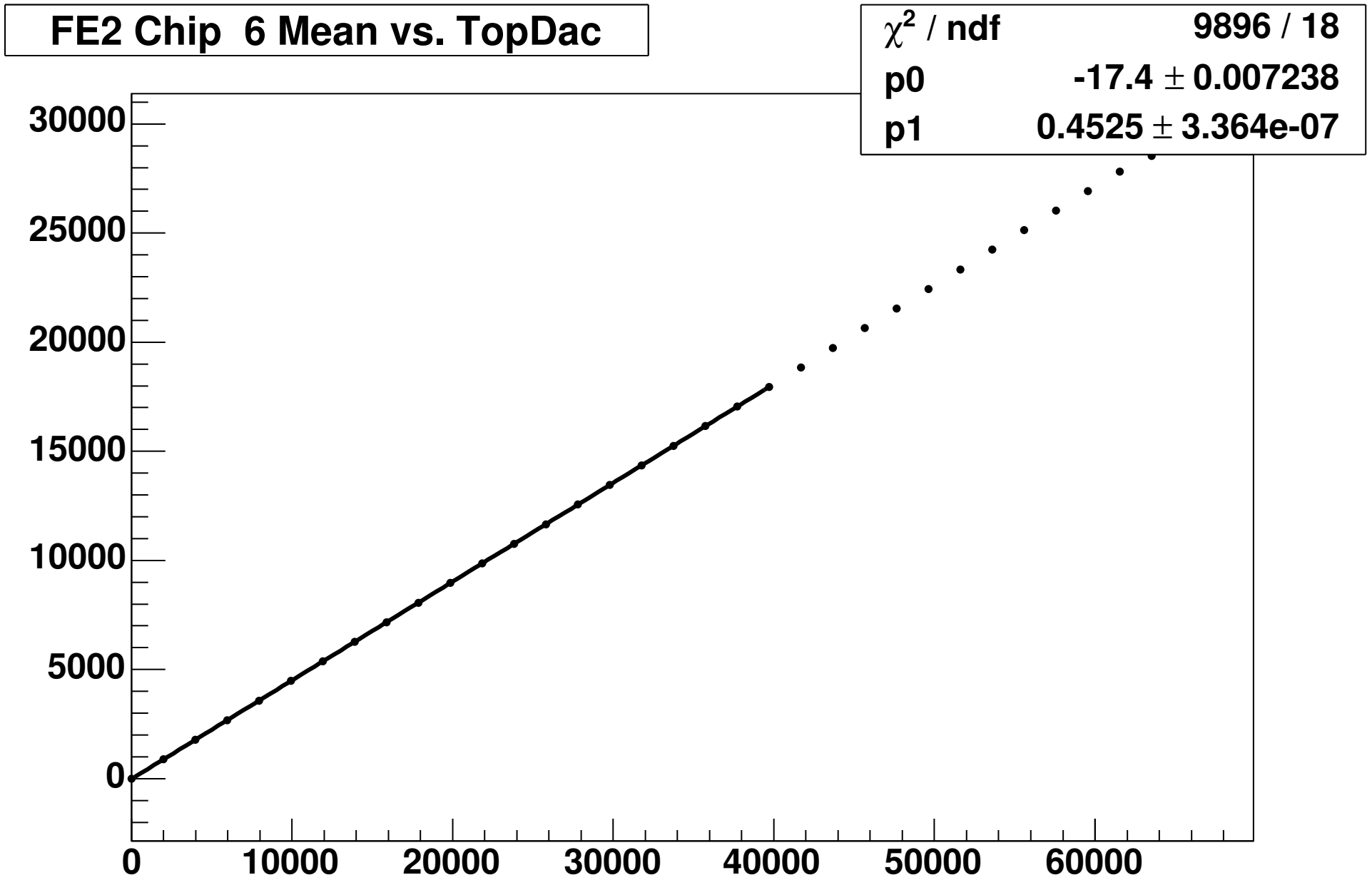
60000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 18.55 / 18
p0 1.469 ± 0.00377
p1 2.111e-06 ± 3.515e-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. TopDac
χ² / ndf 9896 / 18
p0 -17.4 ± 0.007238
p1 0.4525 ± 3.364e-07
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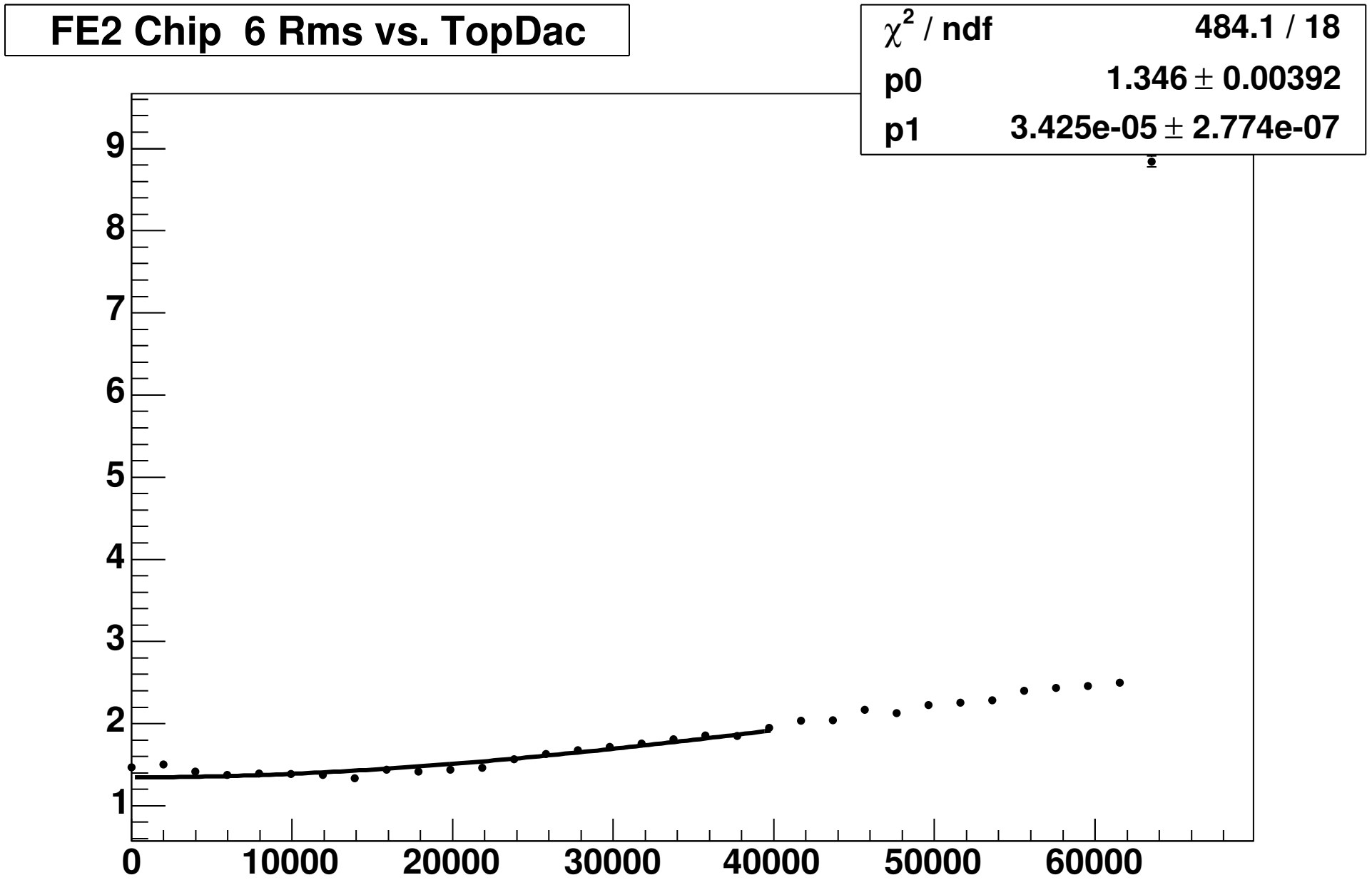
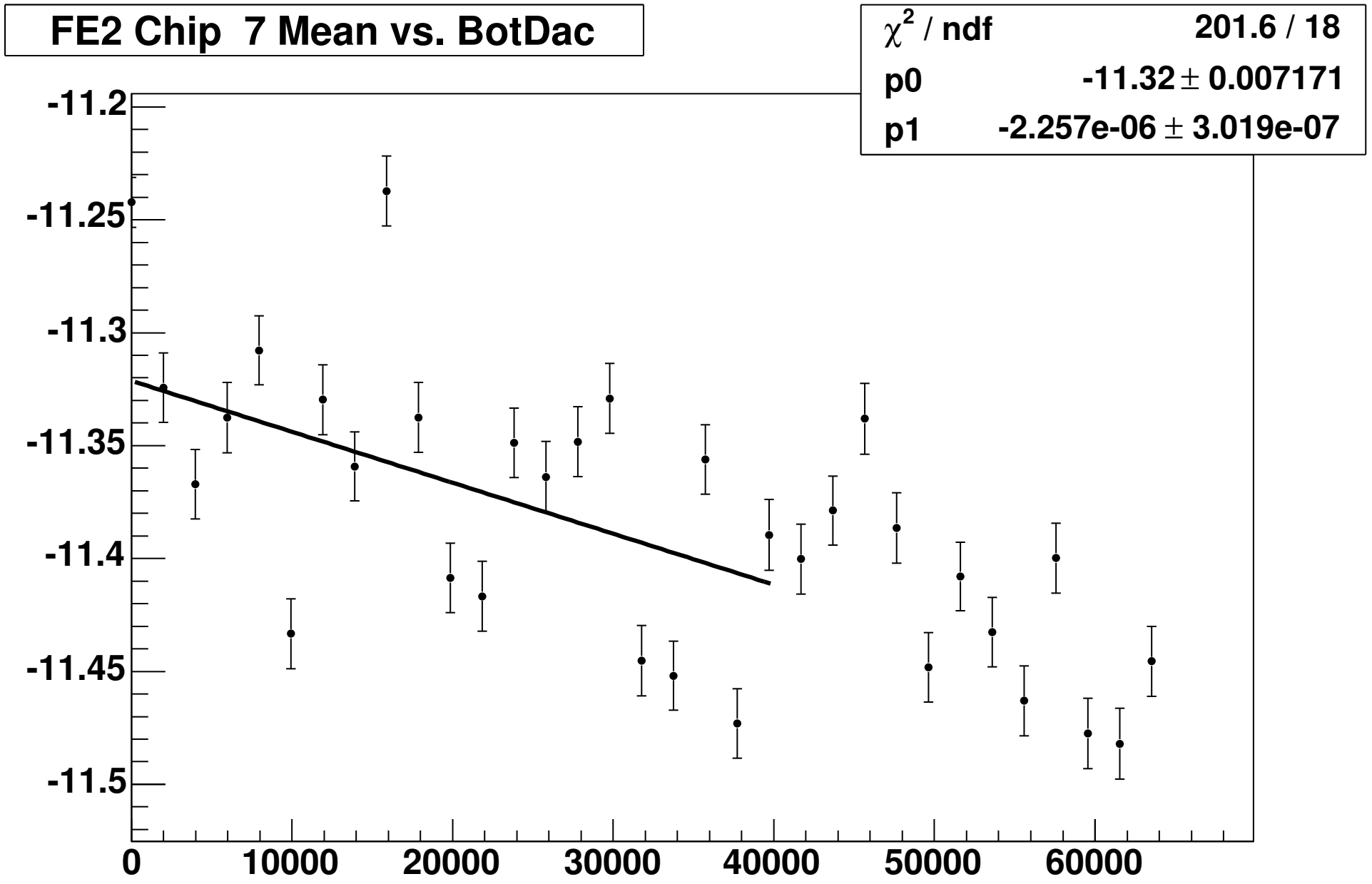
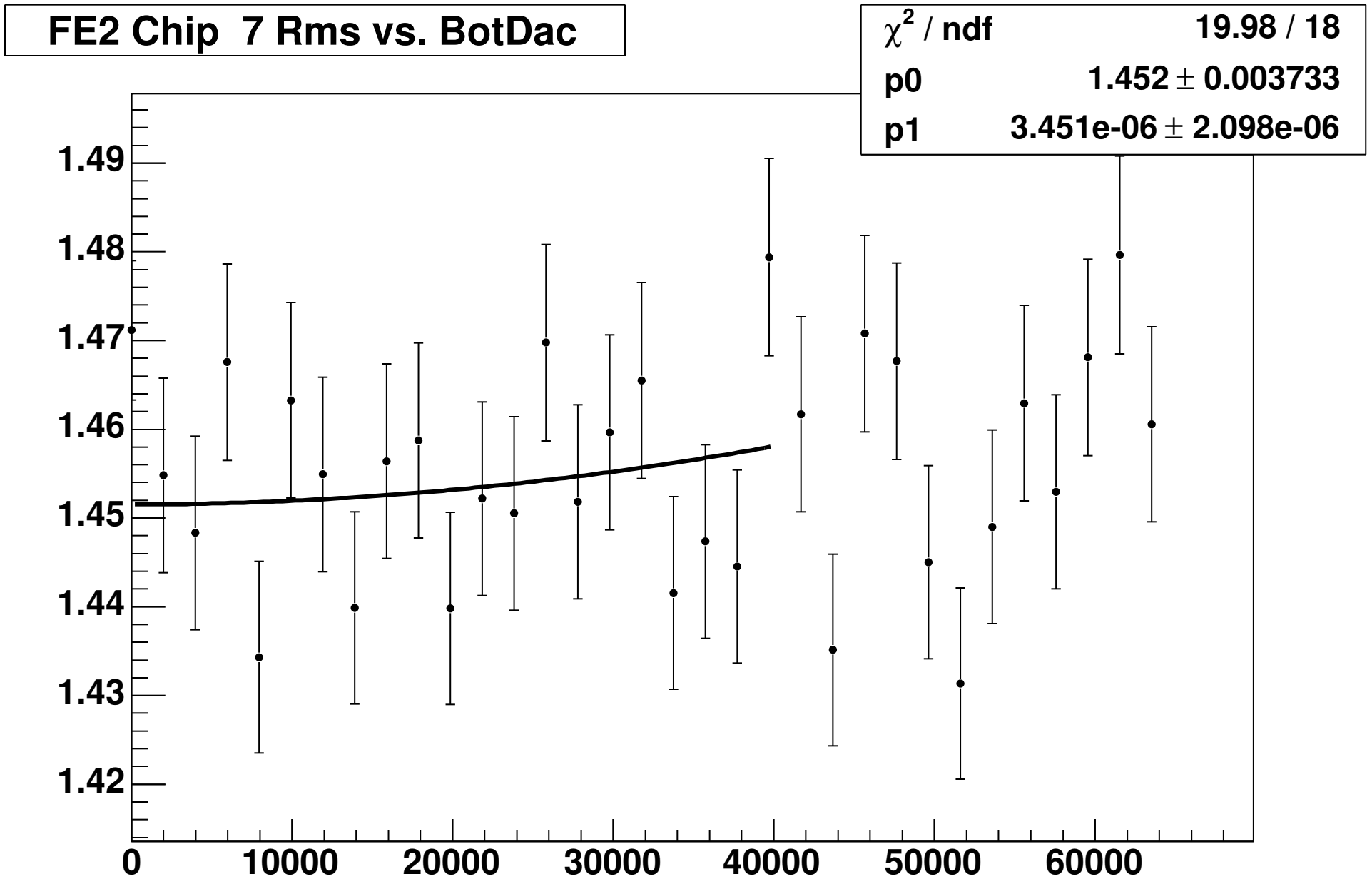
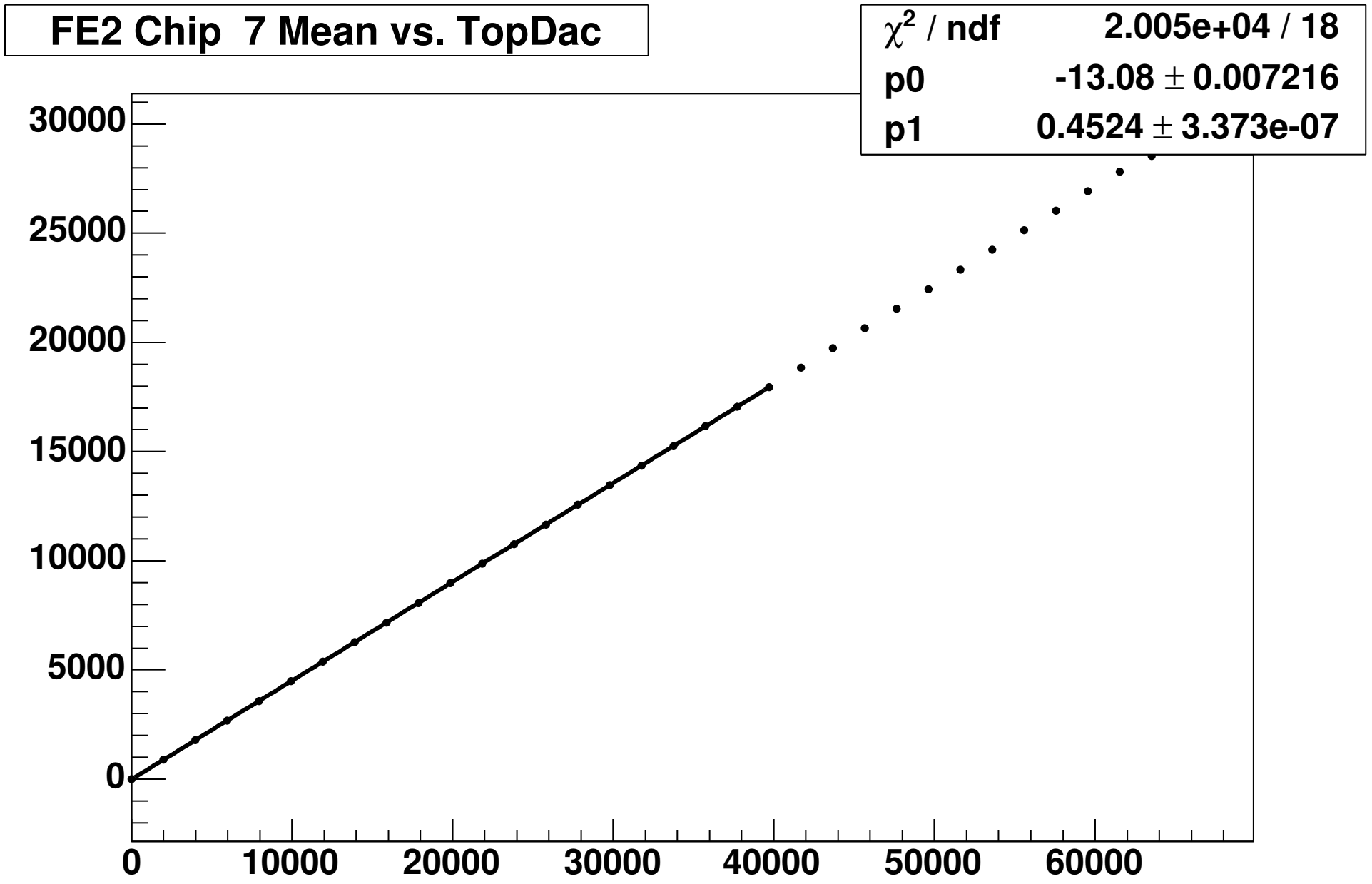
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 484.1 / 18
p0 1.346 ± 0.00392
p1 3.425e-05 ± 2.774e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 201.6 / 18
p0 -11.32 ± 0.007171
p1 -2.257e-06 ± 3.019e-07
-11.2
-11.25
-11.3
-11.35
-11.4
-11.45
-11.5
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 19.98 / 18
p0 1.452 ± 0.003733
p1 3.451e-06 ± 2.098e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 2.005e+04 / 18
p0 -13.08 ± 0.007216
p1 0.4524 ± 3.373e-07
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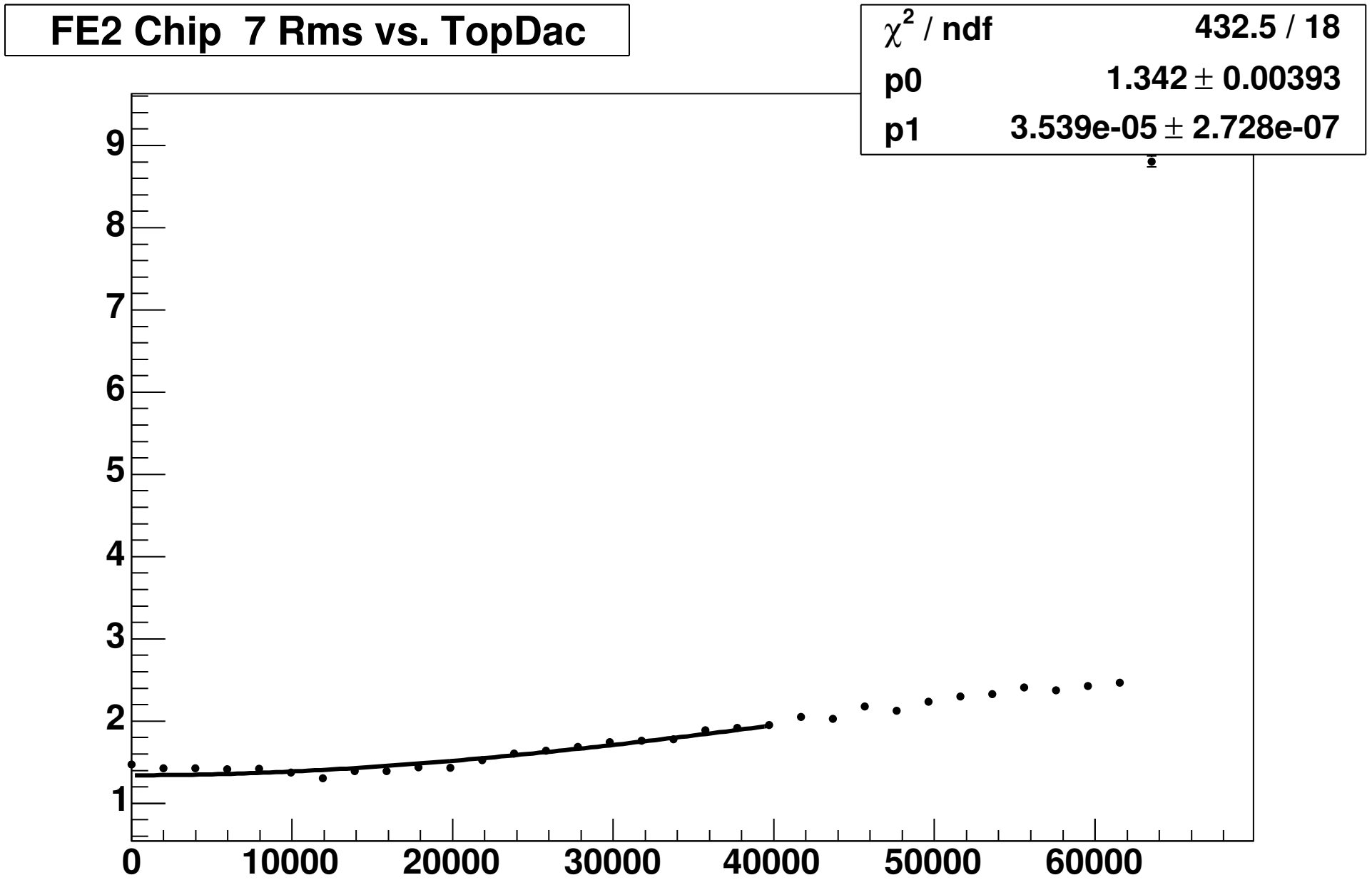
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 432.5 / 18
p0 1.342 ± 0.00393
p1 3.539e-05 ± 2.728e-07
9
8
7
6
5
4
3
2
1
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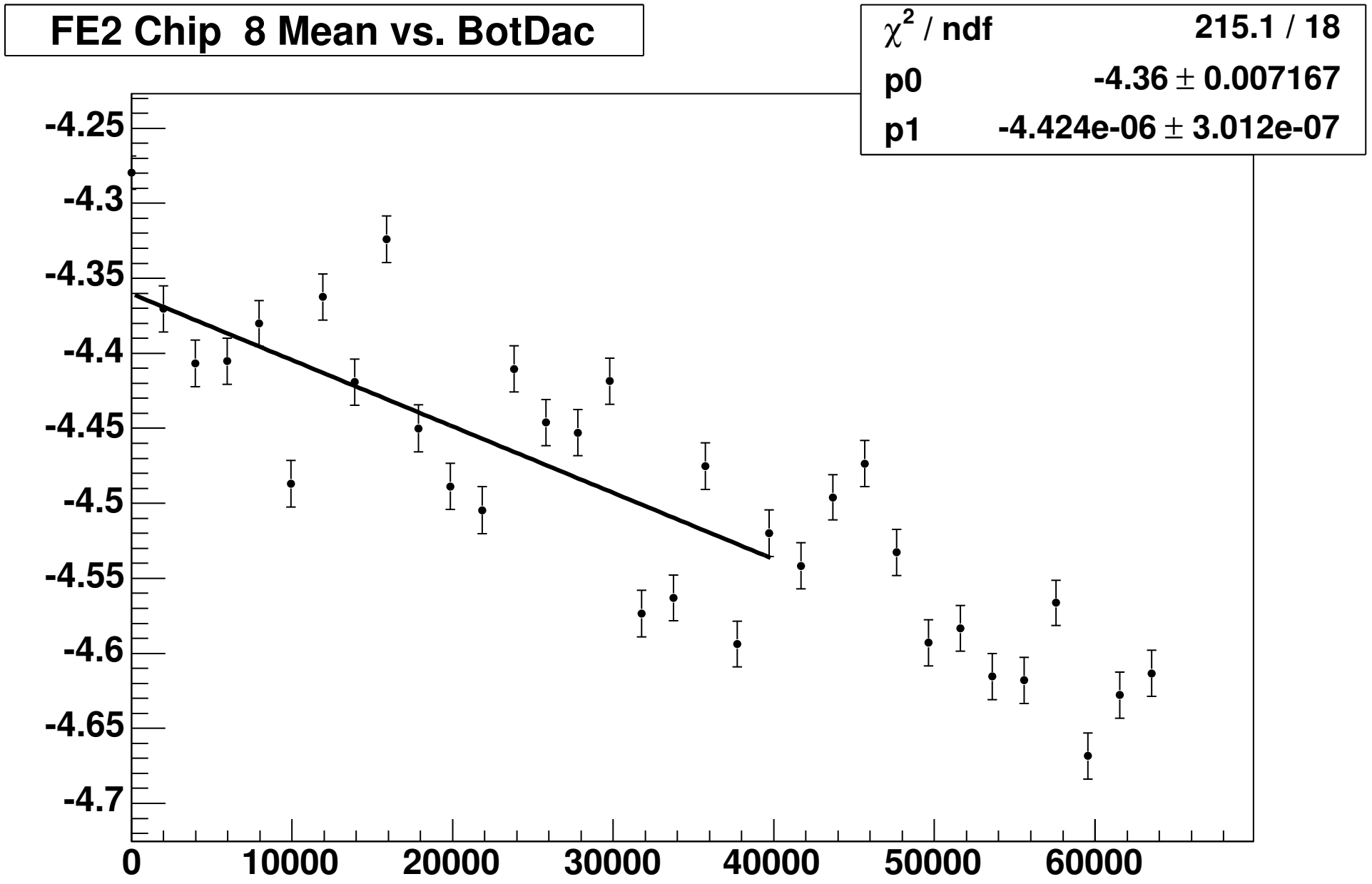
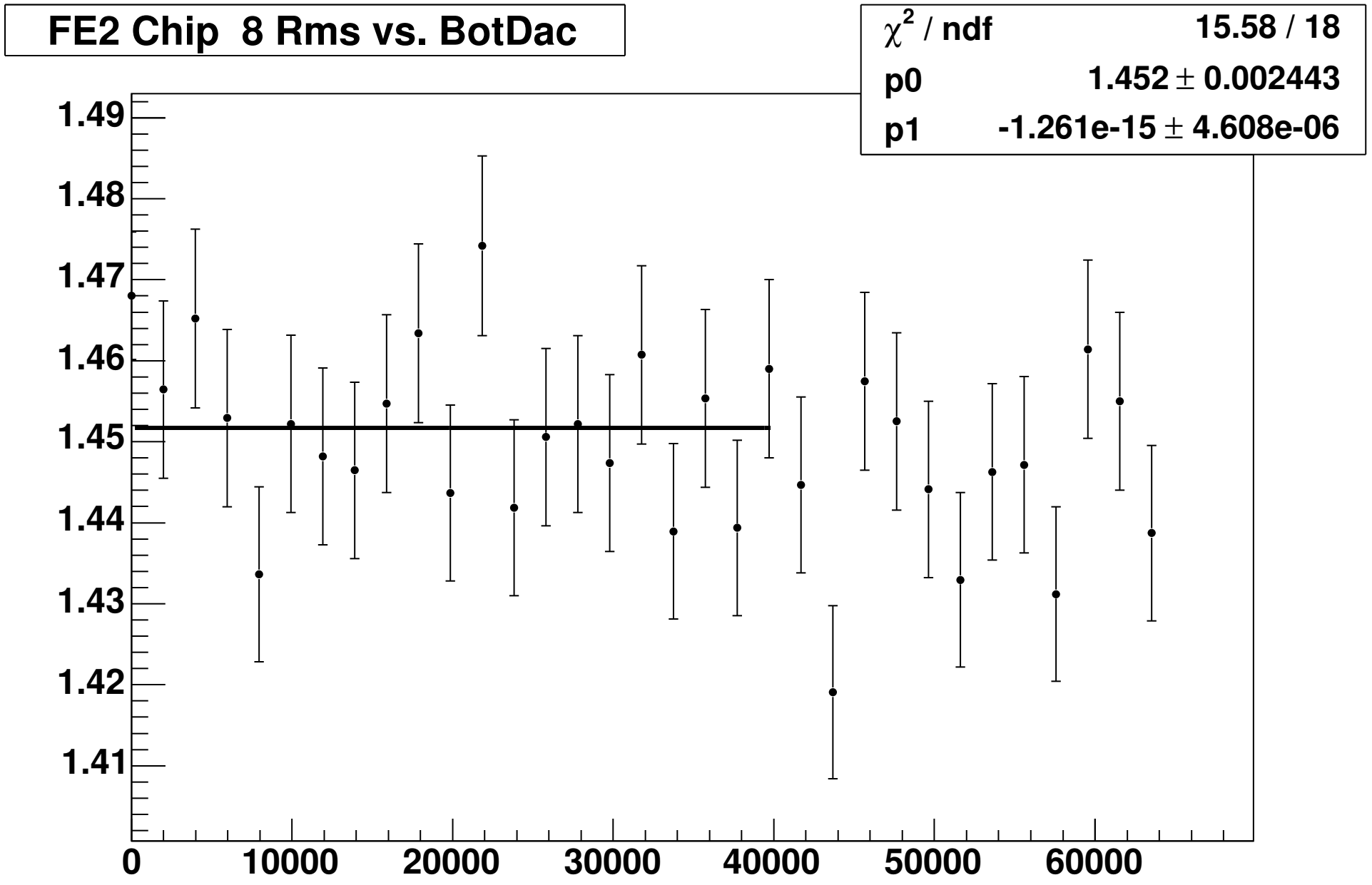
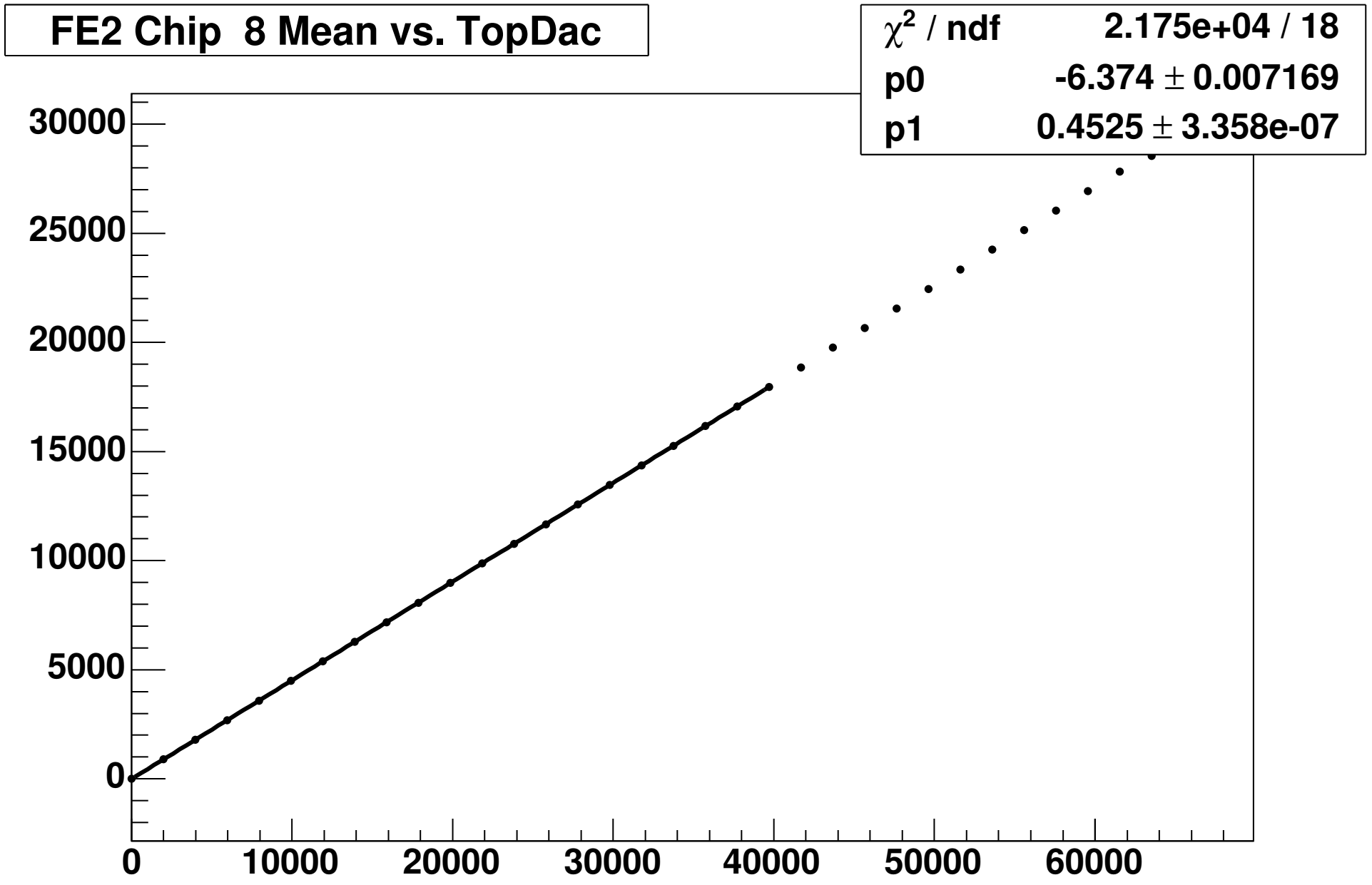
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 215.1 / 18
p0 -4.36 ± 0.007167
p1 -4.424e-06 ± 3.012e-07
-4.25
-4.3
-4.35
-4.4
-4.45
-4.5
-4.55
-4.6
-4.65
-4.7
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 15.58 / 18
p0 1.452 ± 0.002443
p1 -1.261e-15 ± 4.608e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 2.175e+04 / 18
p0 -6.374 ± 0.007169
p1 0.4525 ± 3.358e-07
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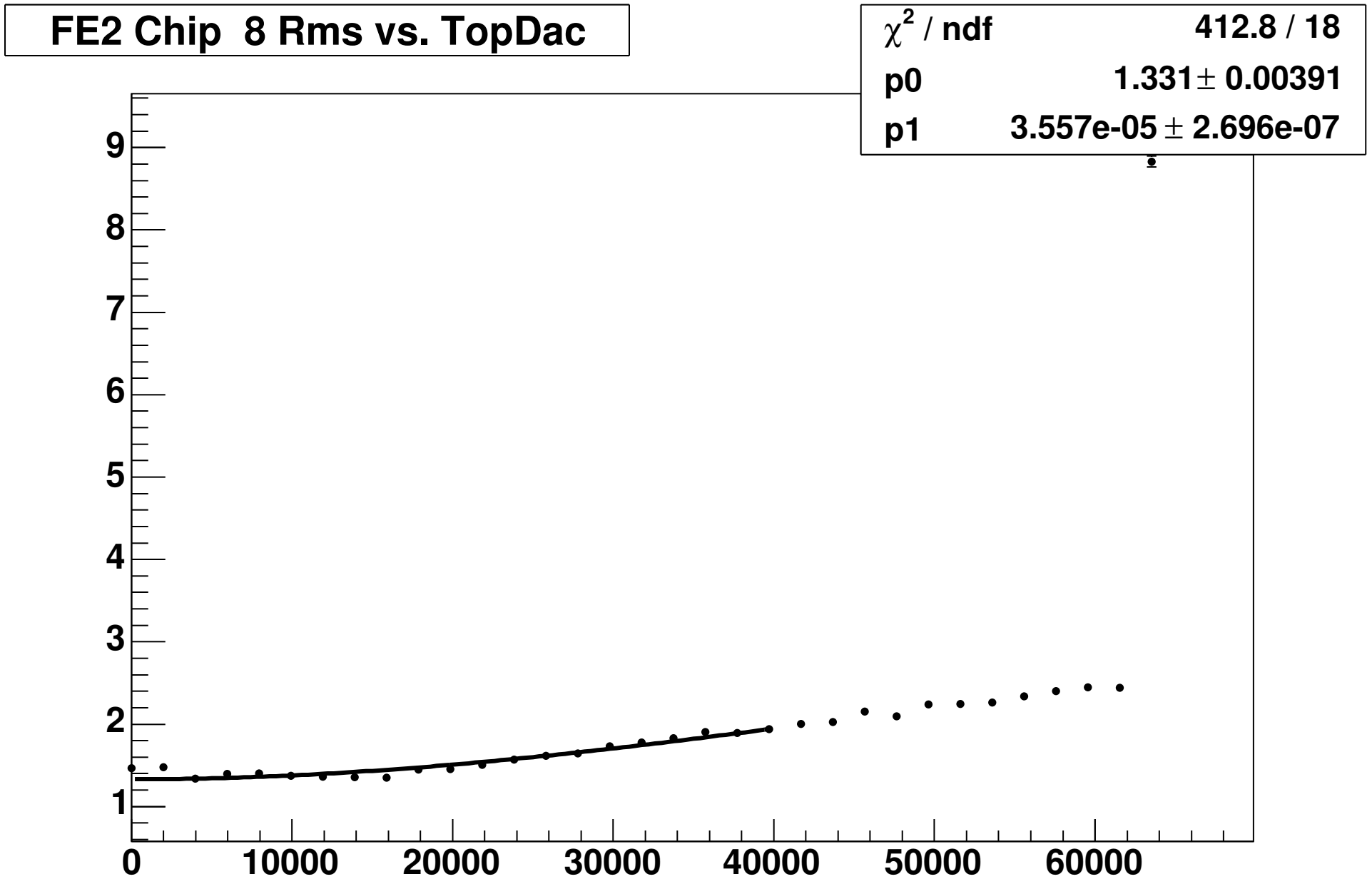
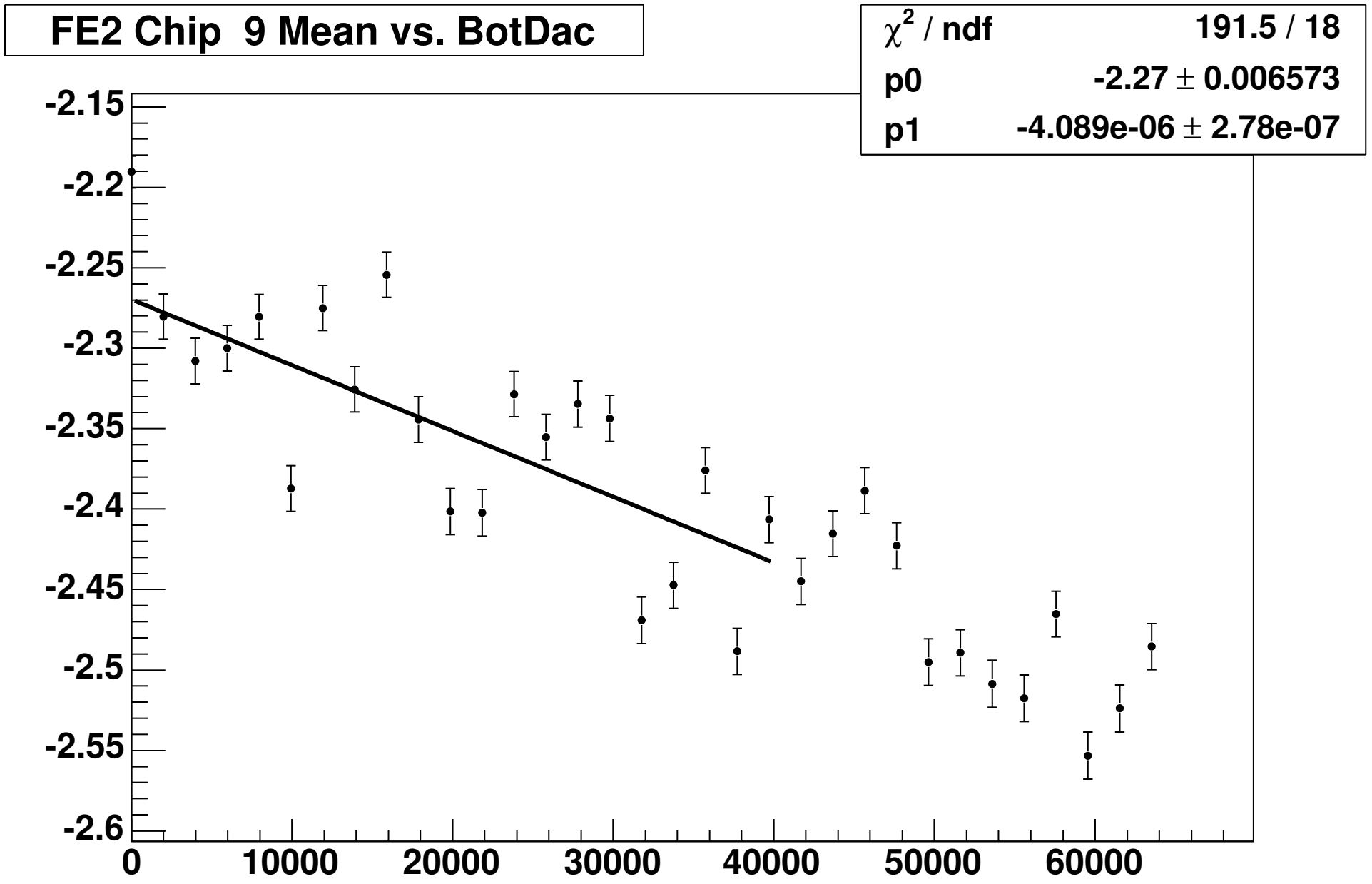
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 412.8 / 18
p0 1.331 ± 0.00391
p1 3.557e-05 ± 2.696e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 191.5 / 18
p0 -2.27 ± 0.006573
p1 -4.089e-06 ± 2.78e-07
-2.15
-2.2
-2.25
-2.3
-2.35
-2.4
-2.45
-2.5
-2.55
-2.6
0
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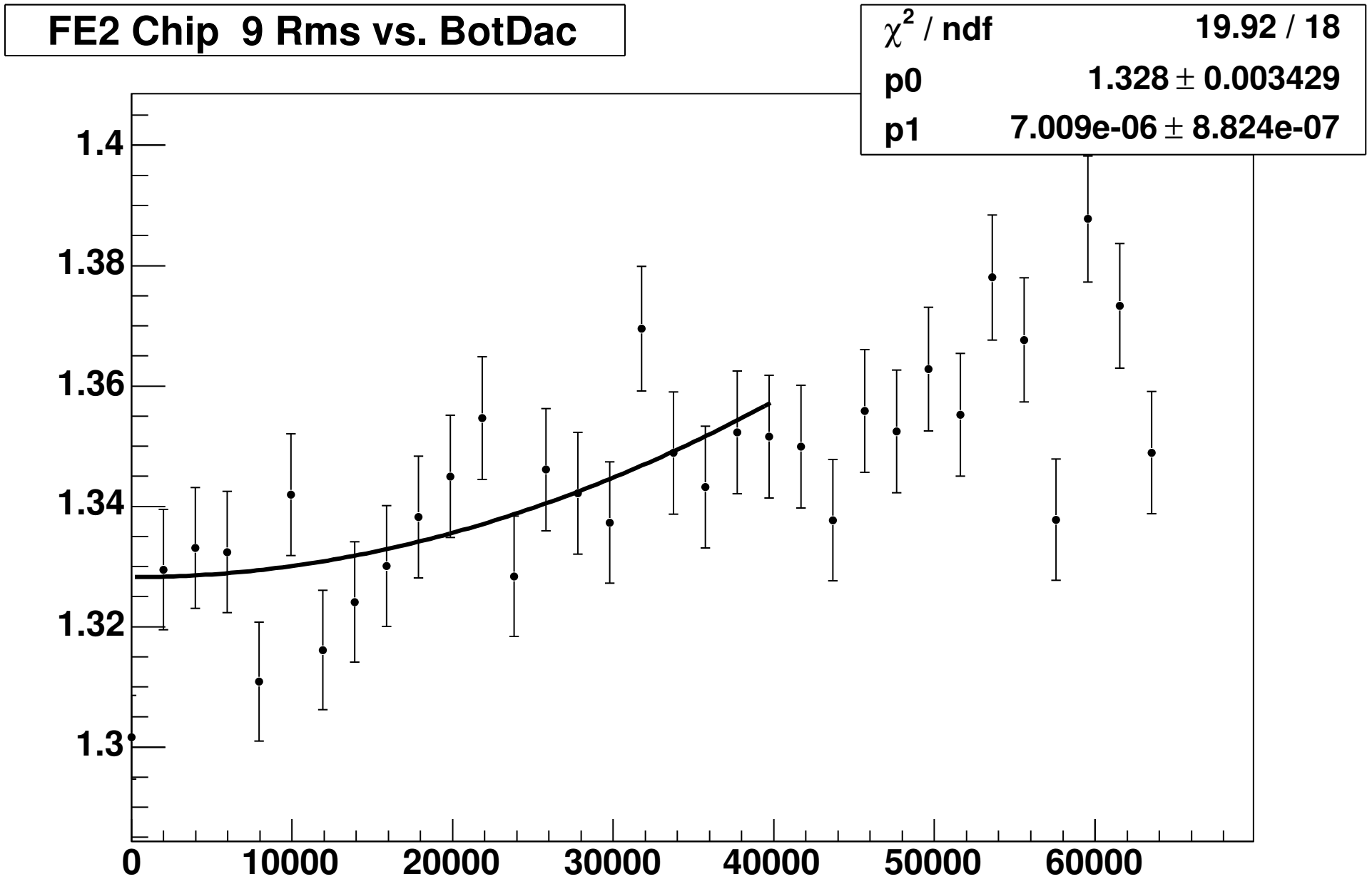
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 19.92 / 18
p0 1.328 ± 0.003429
p1 7.009e-06 ± 8.824e-07
1.4
1.38
1.36
1.34
1.32
1.3
0
10000
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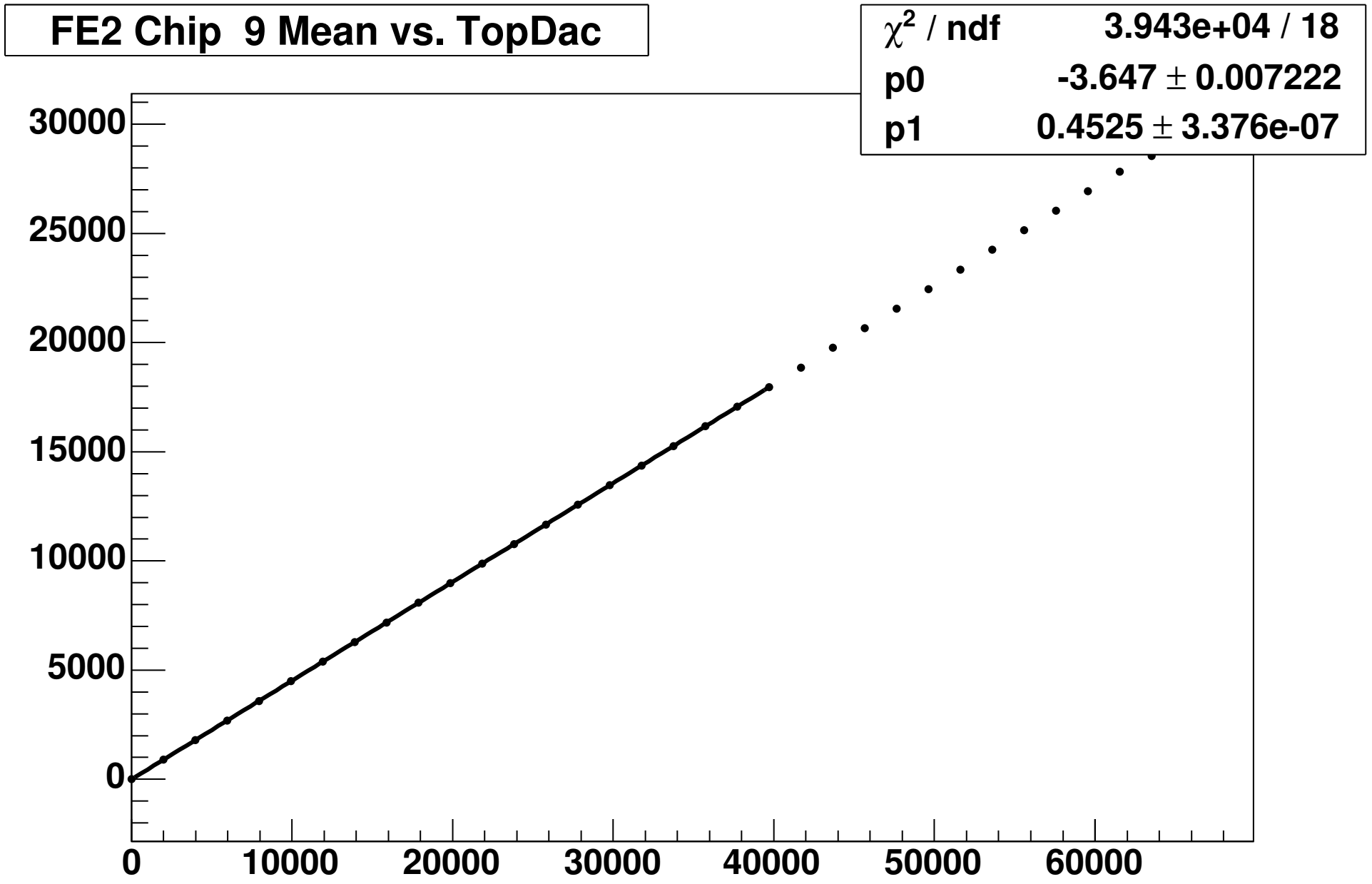
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 3.943e+04 / 18
p0 -3.647 ± 0.007222
p1 0.4525 ± 3.376e-07
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10000
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0
0
10000
20000
30000
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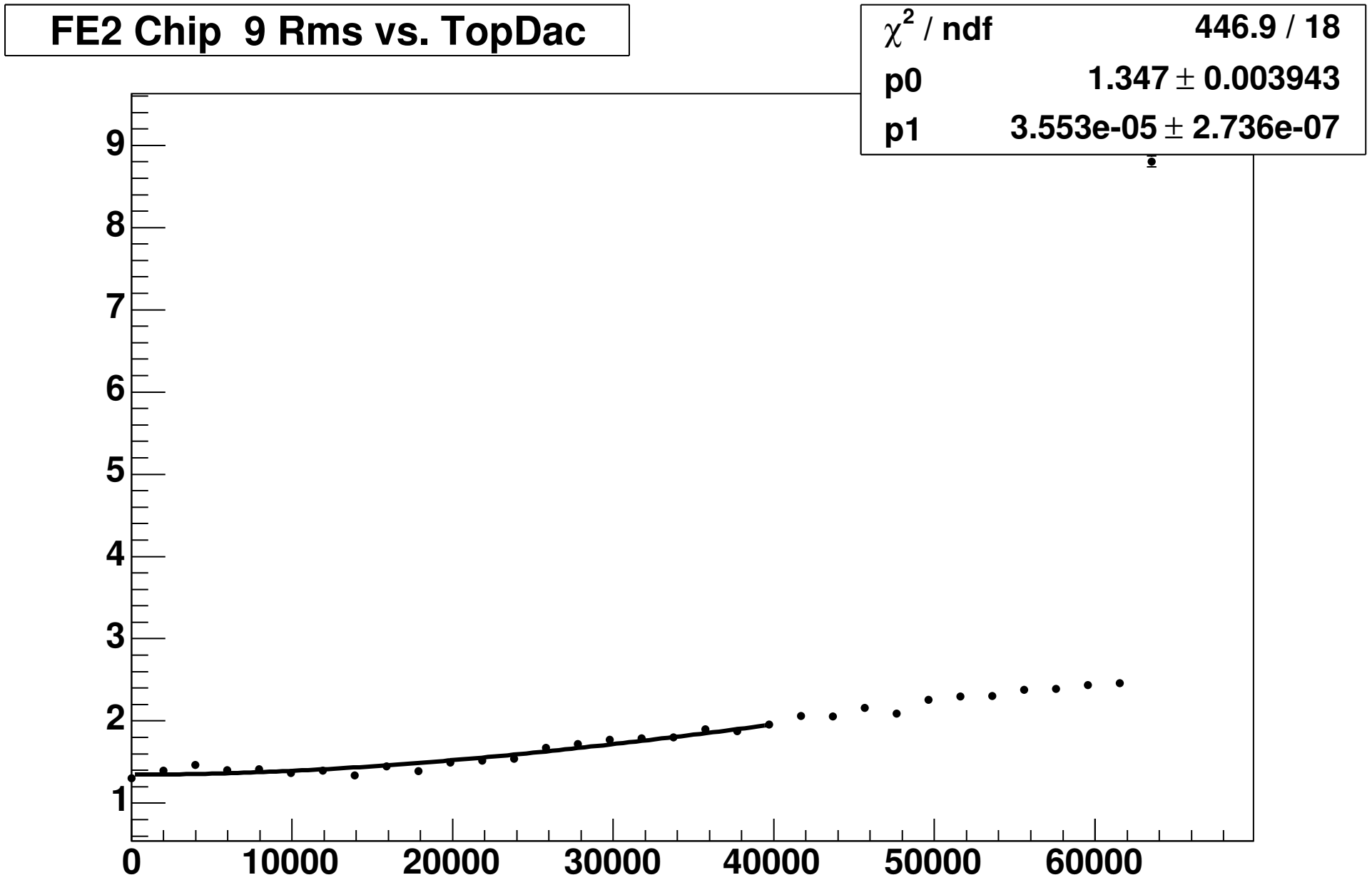
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 446.9 / 18
p0 1.347 ± 0.003943
p1 3.553e-05 ± 2.736e-07
9
8
7
6
5
4
3
2
1
0
10000
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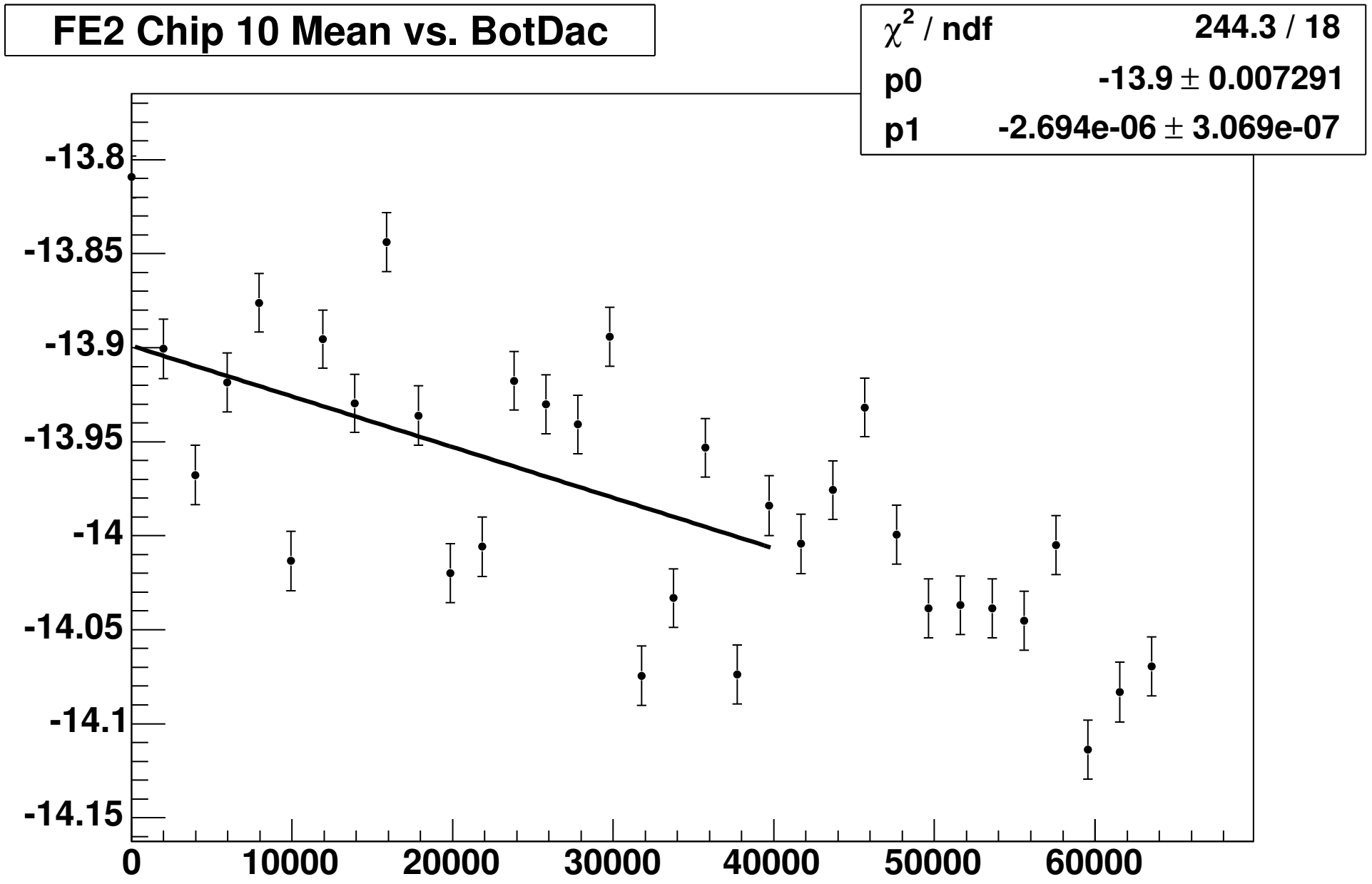
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 244.3 / 18
p0 -13.9 ± 0.007291
p1 -2.694e-06 ± 3.069e-07
-13.8
-13.85
-13.9
-13.95
-14
-14.05
-14.1
-14.15
0
10000
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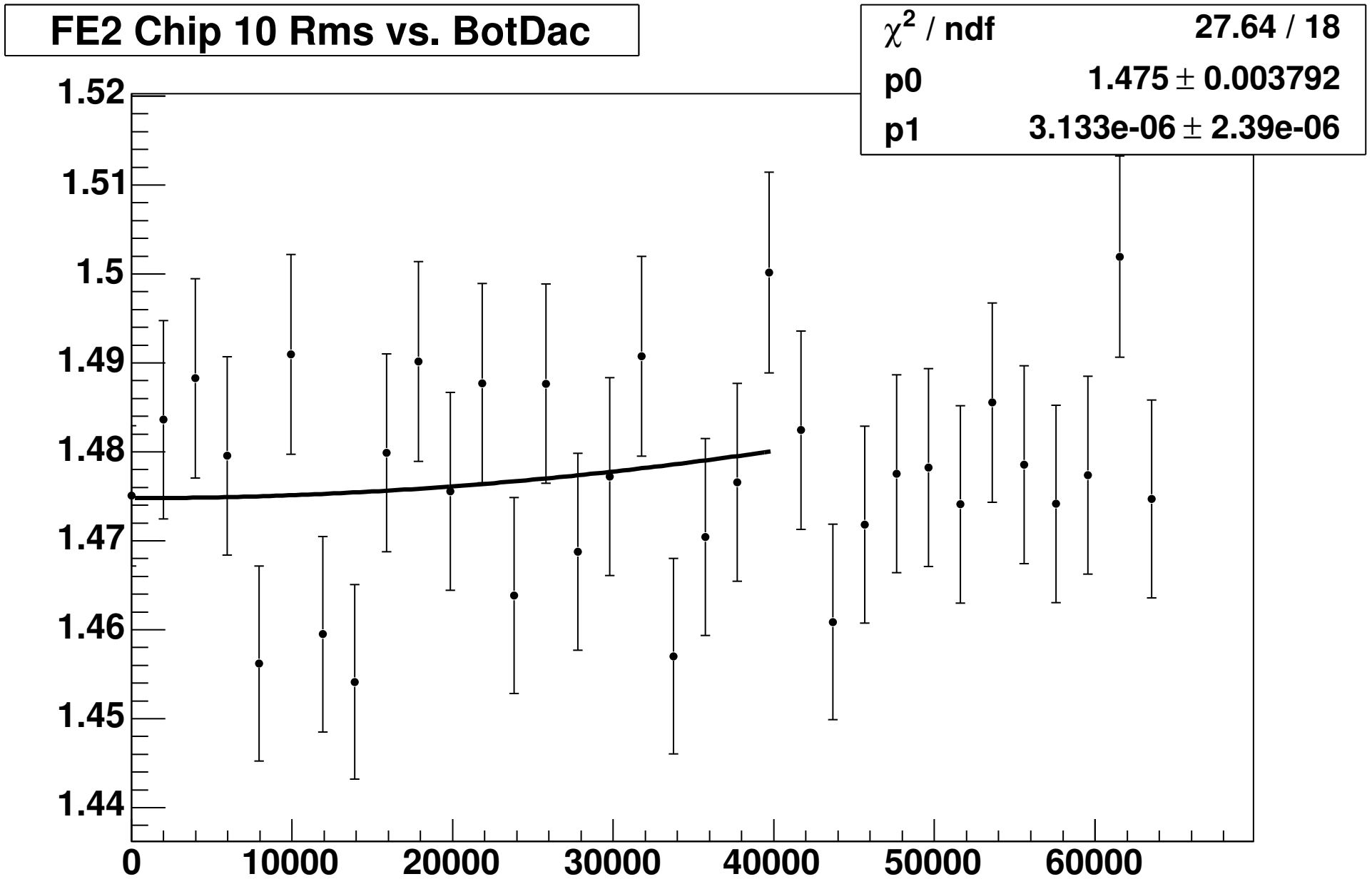
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 27.64 / 18
p0 1.475 ± 0.003792
p1 3.133e-06 ± 2.39e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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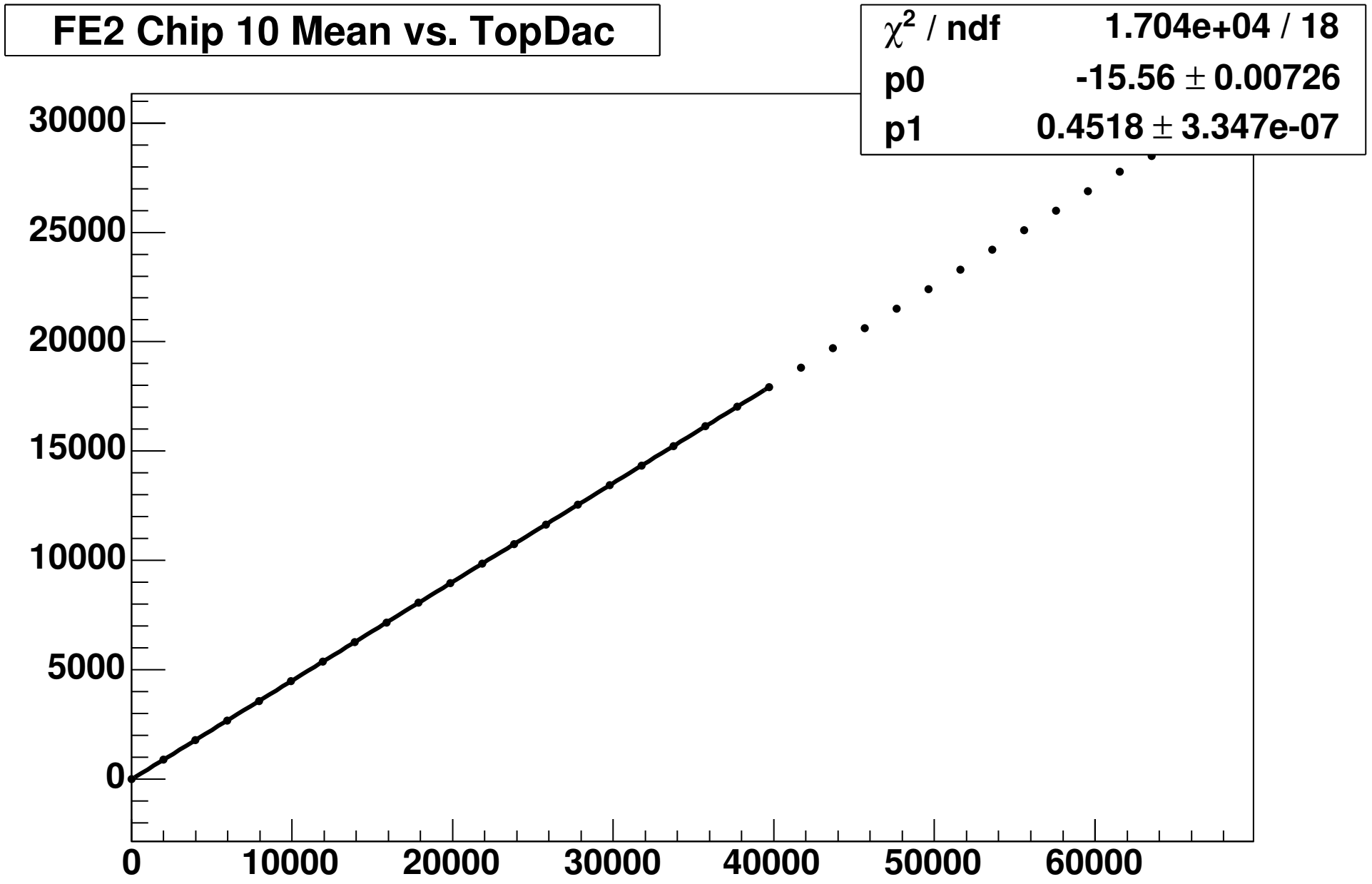
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.704e+04 / 18
p0 -15.56 ± 0.00726
p1 0.4518 ± 3.347e-07
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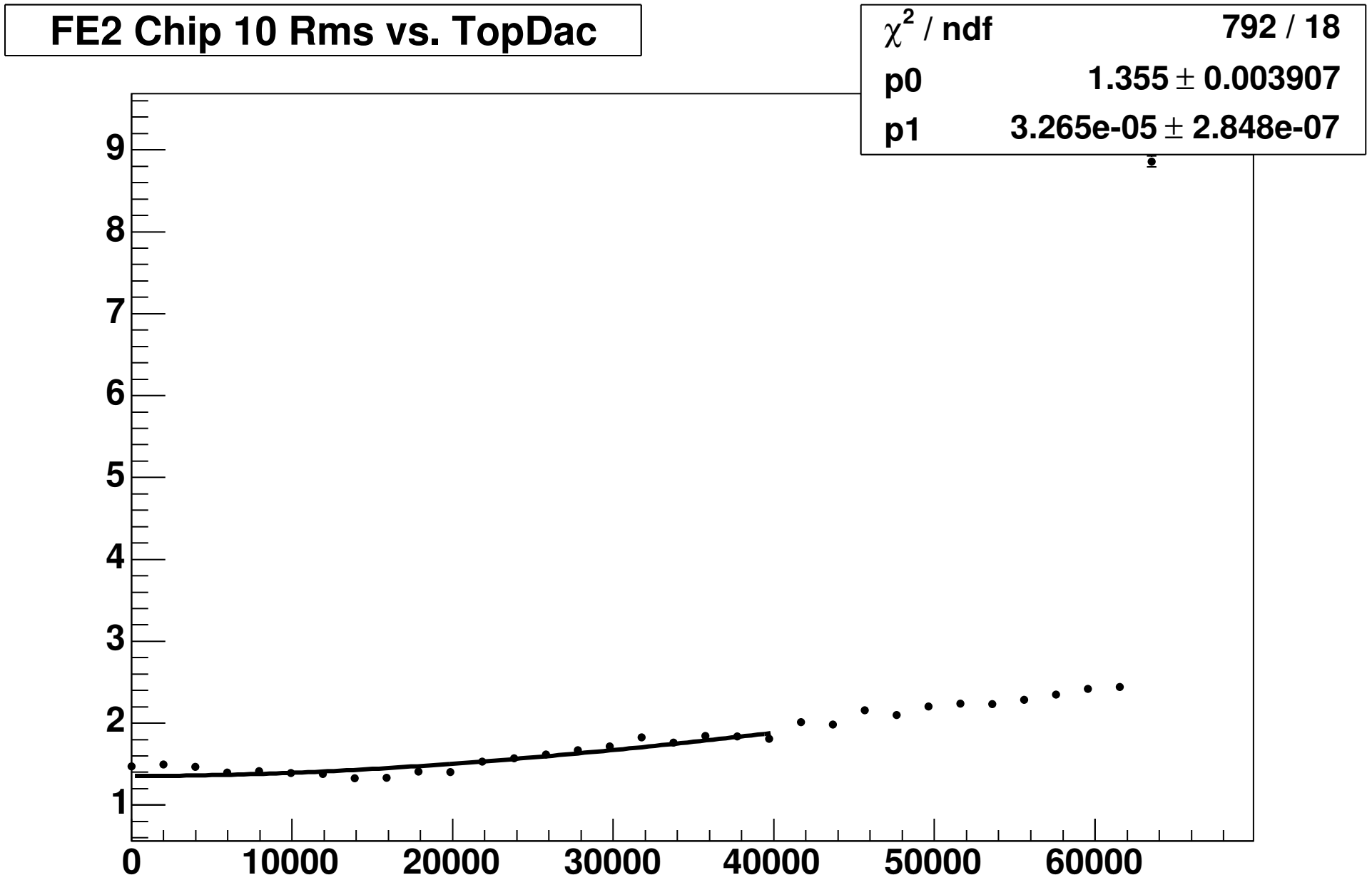
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 792 / 18
p0 1.355 ± 0.003907
p1 3.265e-05 ± 2.848e-07
9
8
7
6
5
4
3
2
1
0
10000
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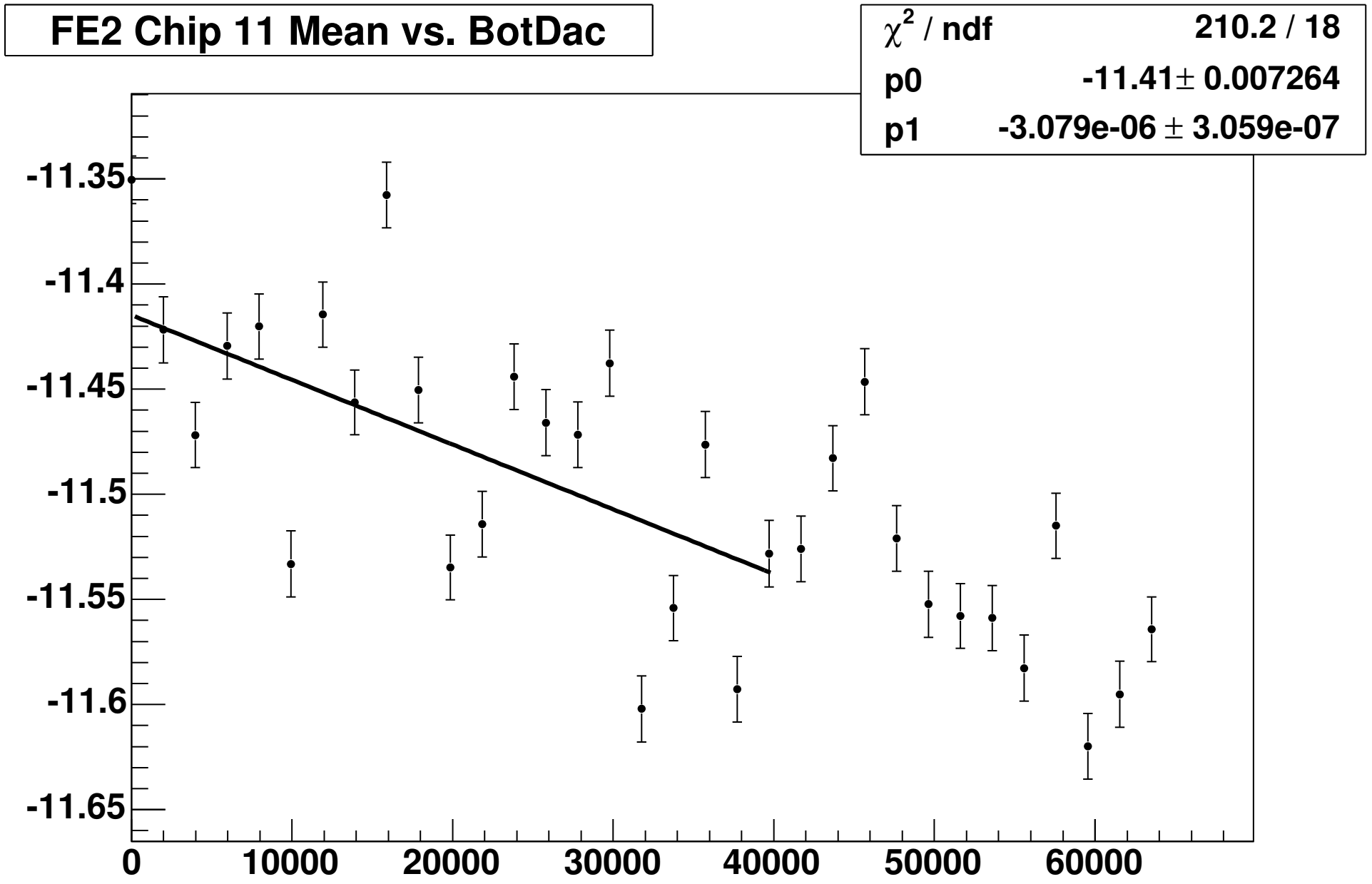
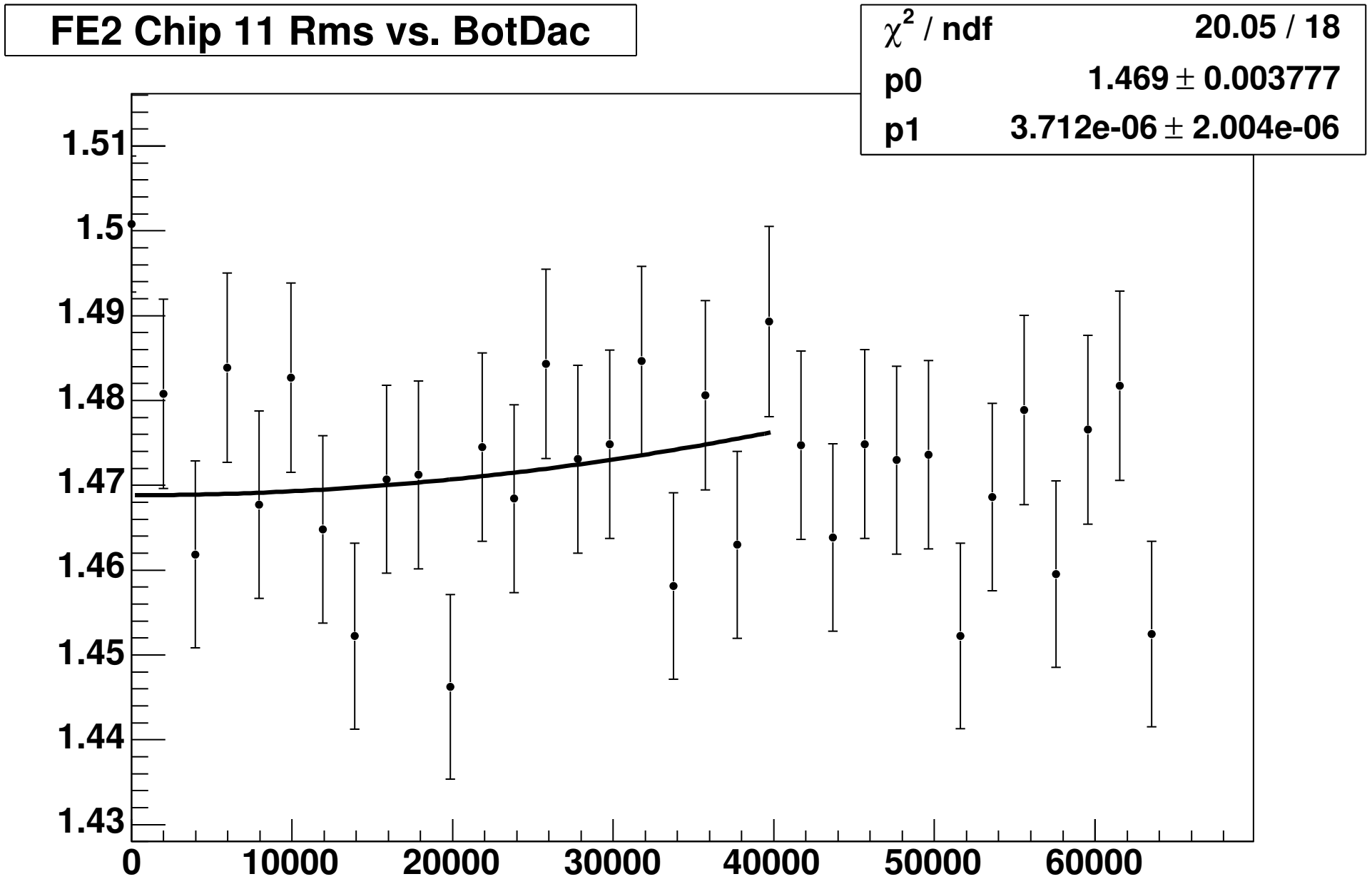
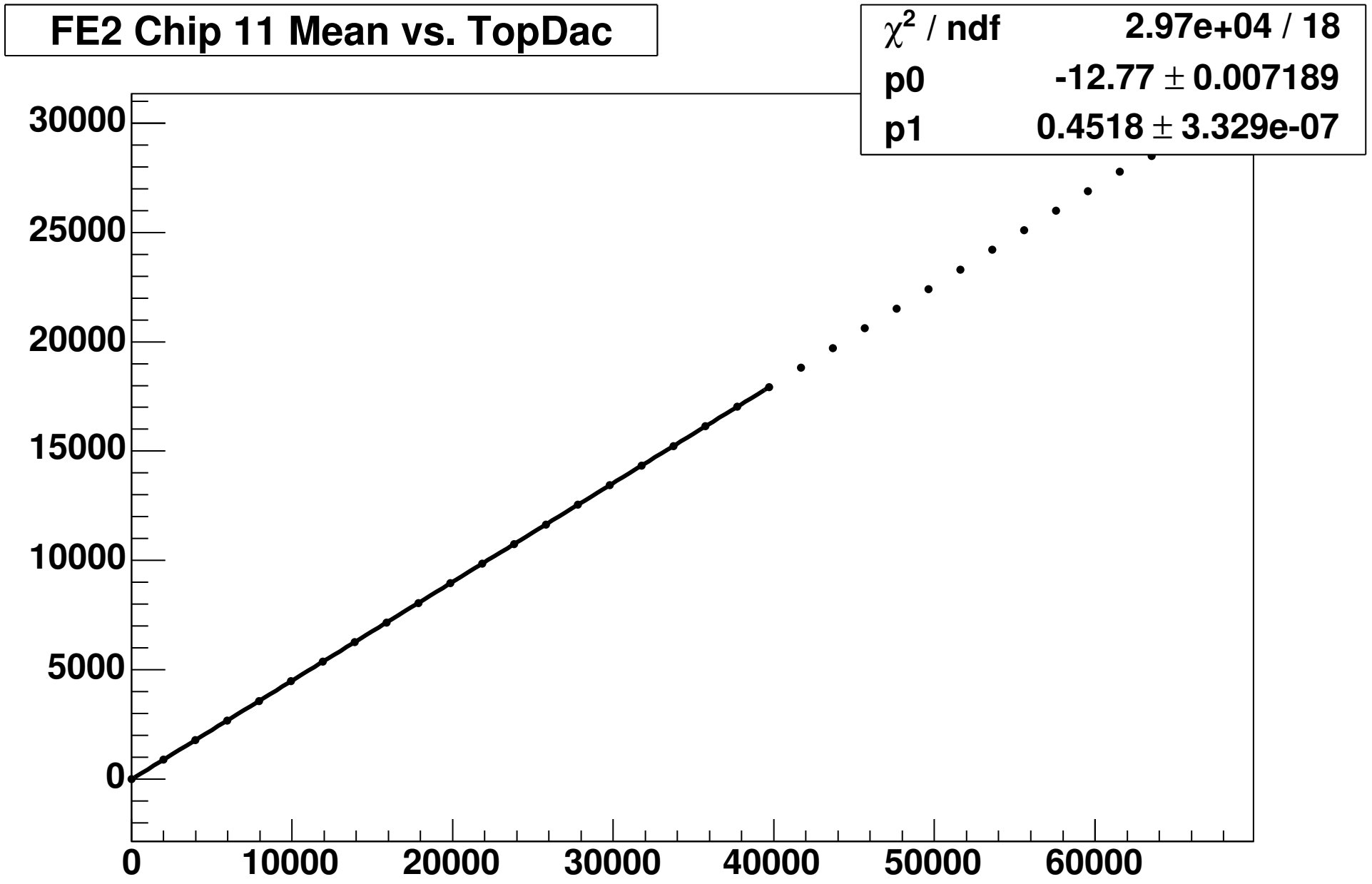
40000
50000
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 210.2 / 18
p0 -11.41 ± 0.007264
p1 -3.079e-06 ± 3.059e-07
-11.35
-11.4
-11.45
-11.5
-11.55
-11.6
-11.65
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 20.05 / 18
p0 1.469 ± 0.003777
p1 3.712e-06 ± 2.004e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 2.97e+04 / 18
p0 -12.77 ± 0.007189
p1 0.4518 ± 3.329e-07
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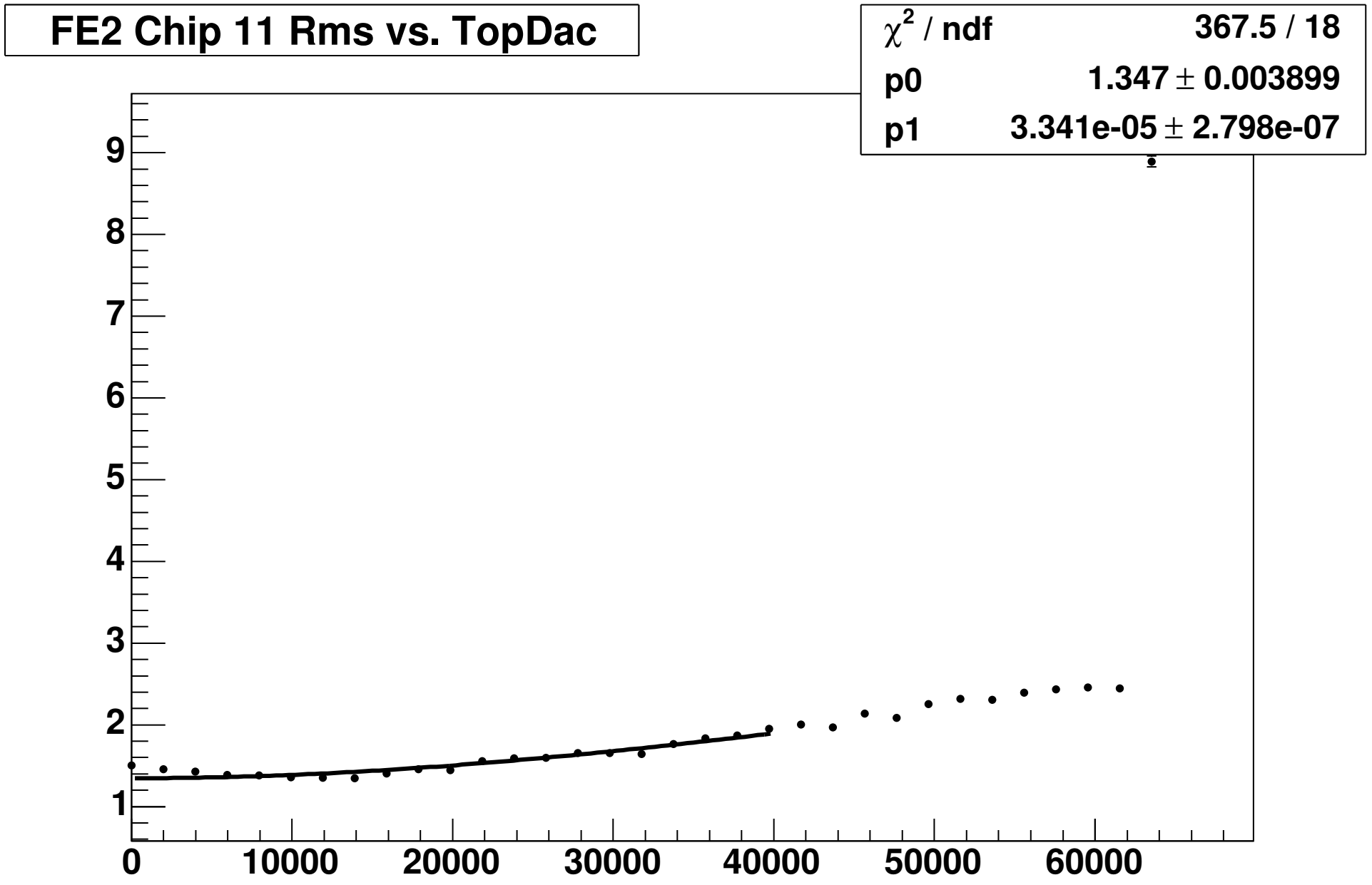
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 367.5 / 18
p0 1.347 ± 0.003899
p1 3.341e-05 ± 2.798e-07
9
8
7
6
5
4
3
2
1
0
10000
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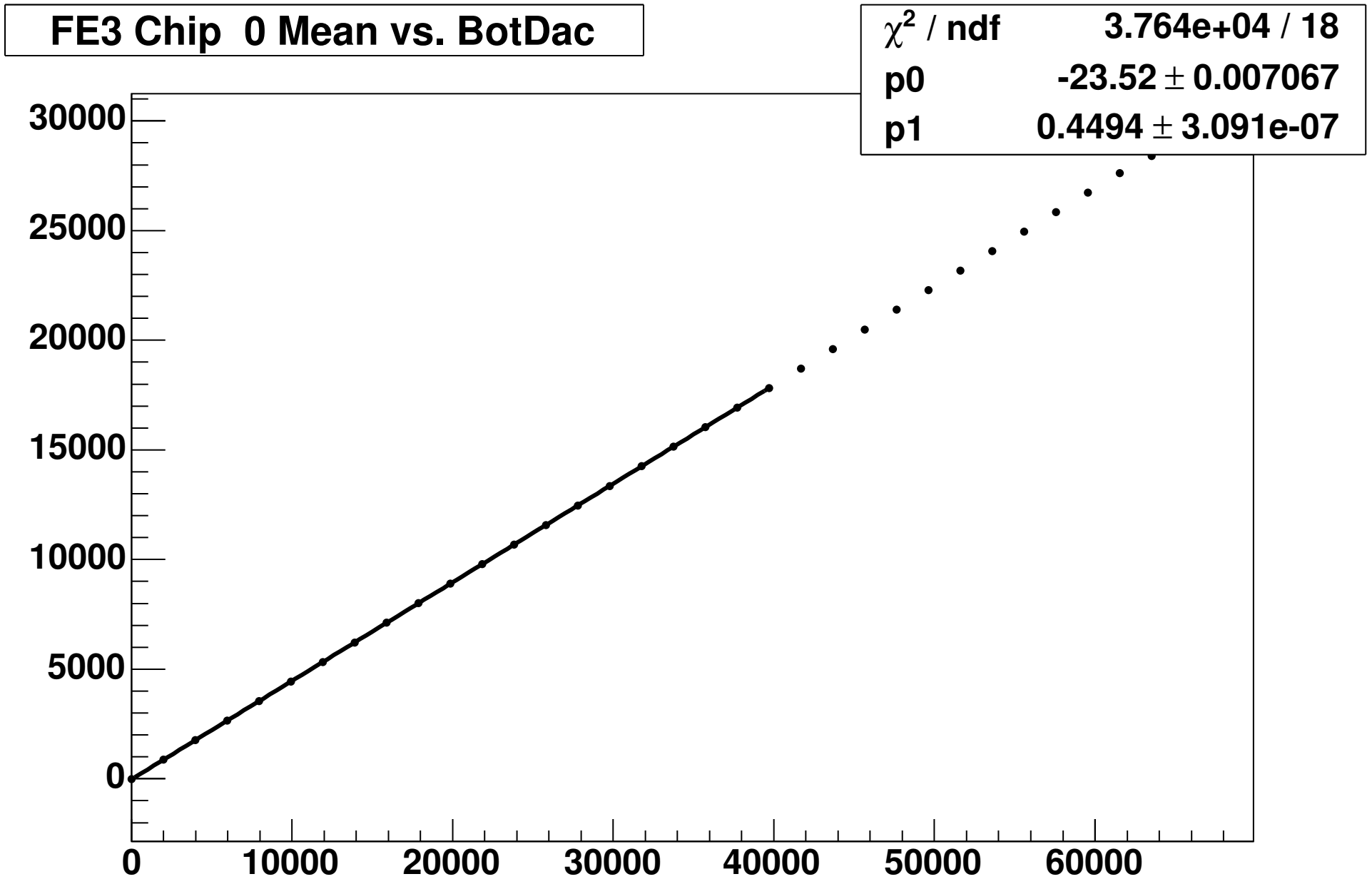
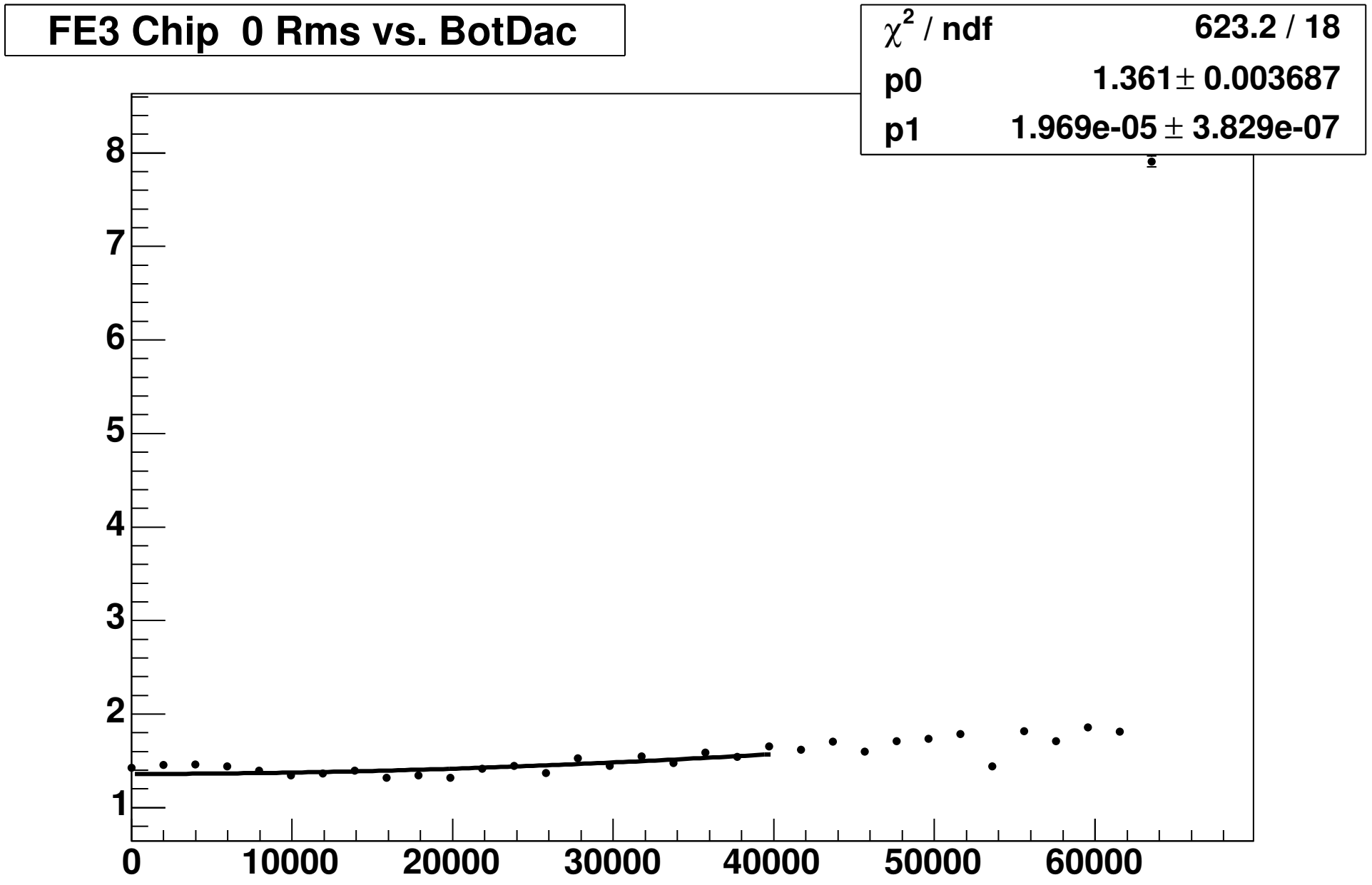
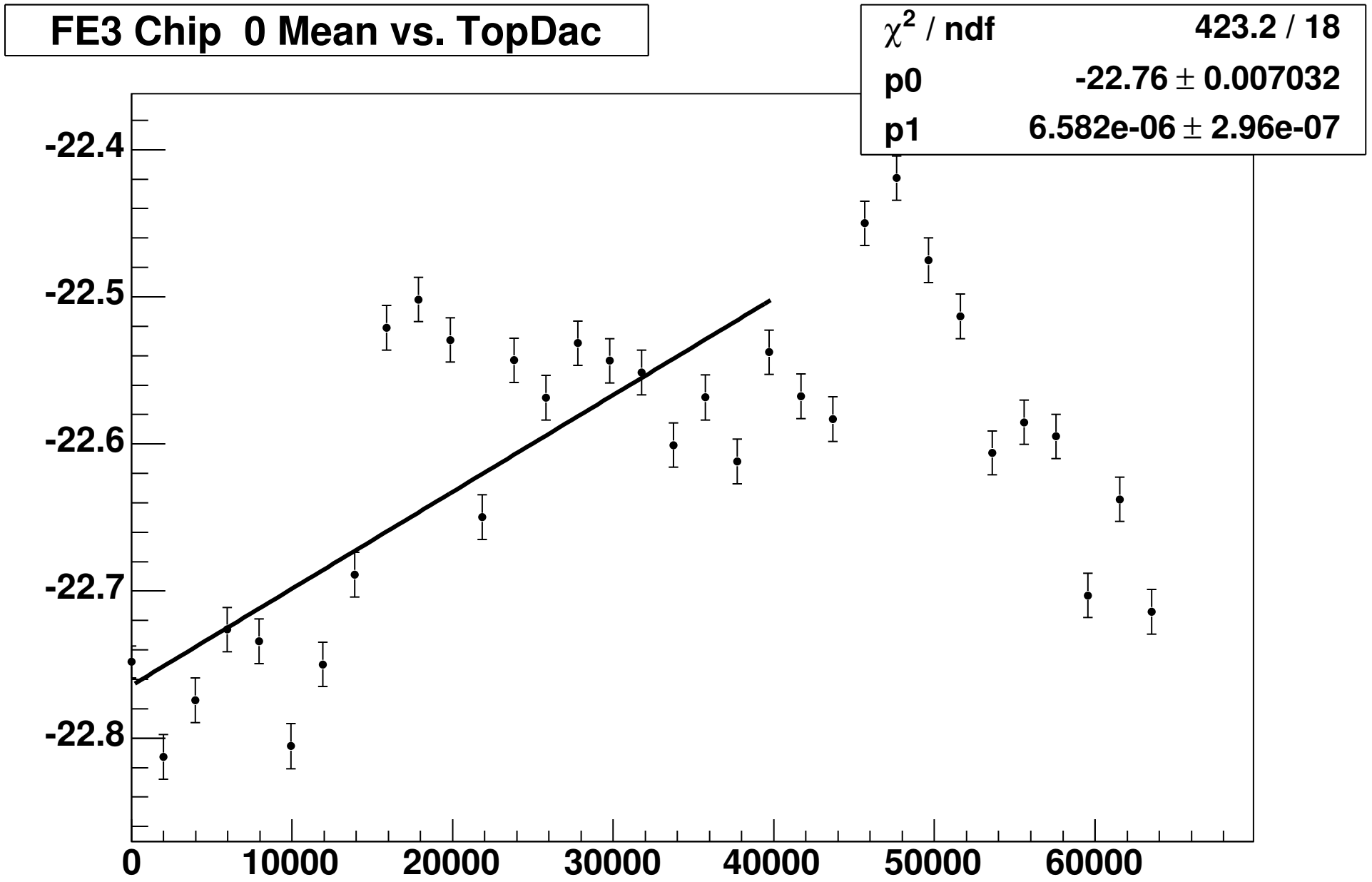
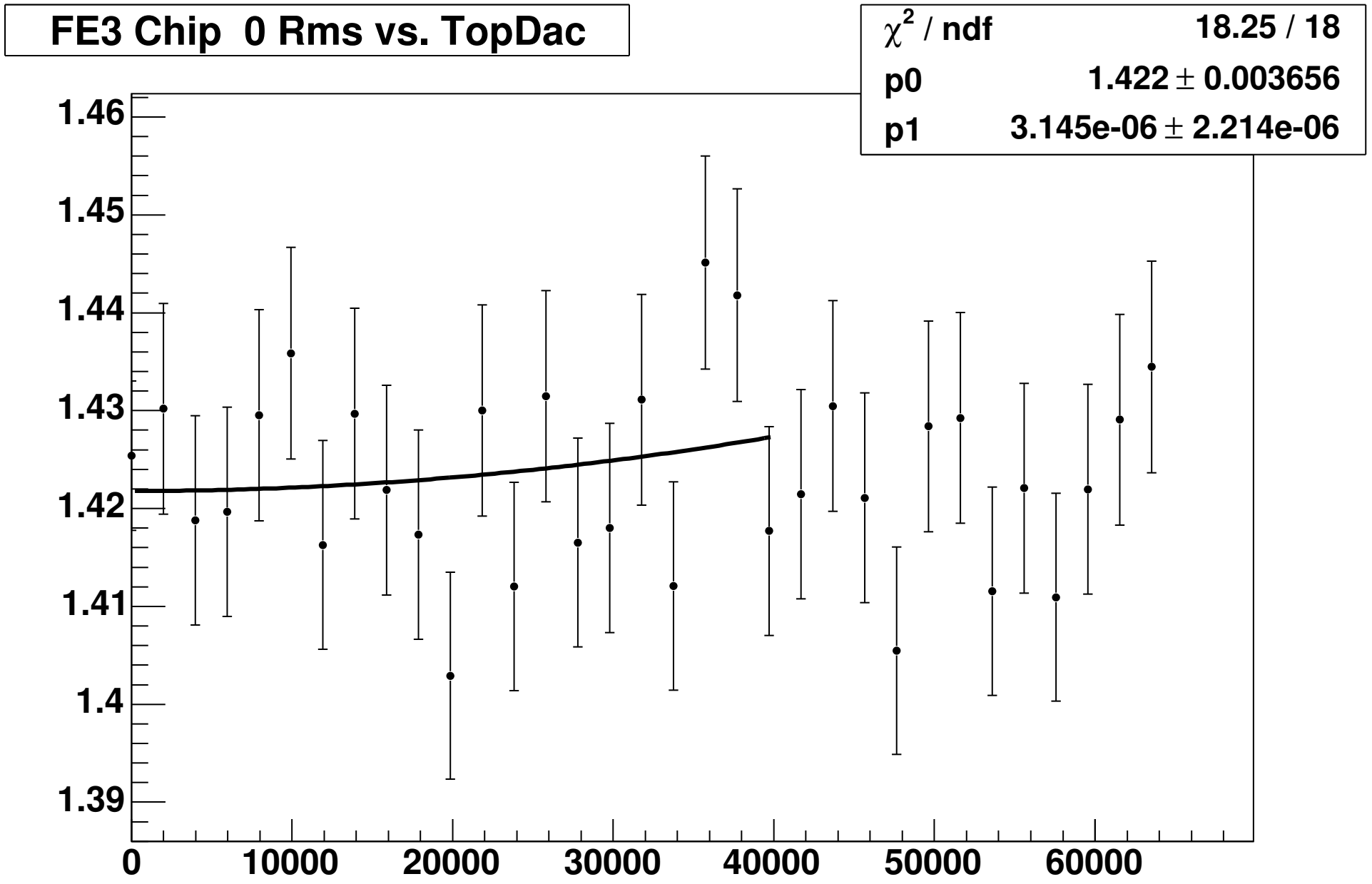
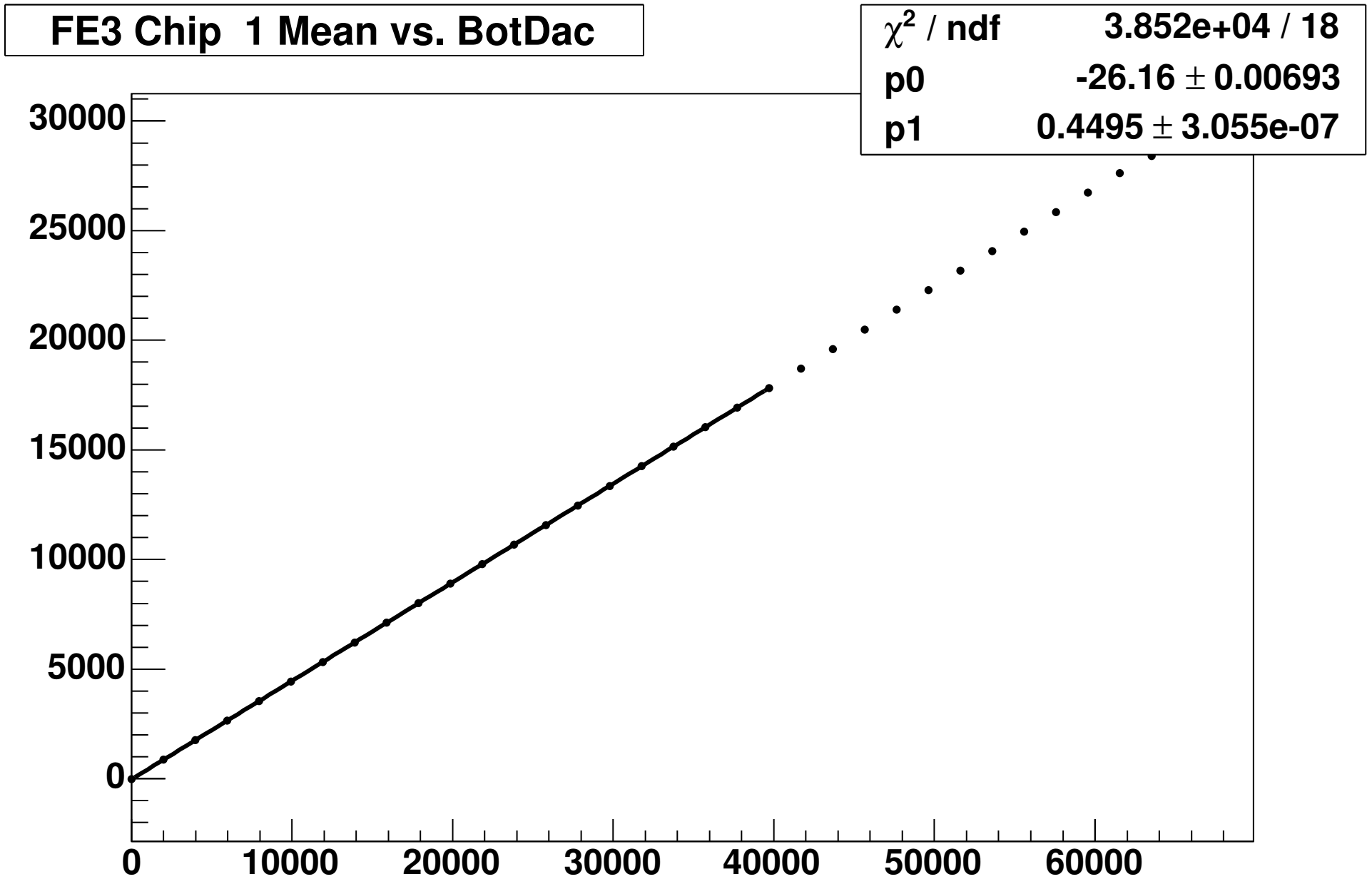
60000

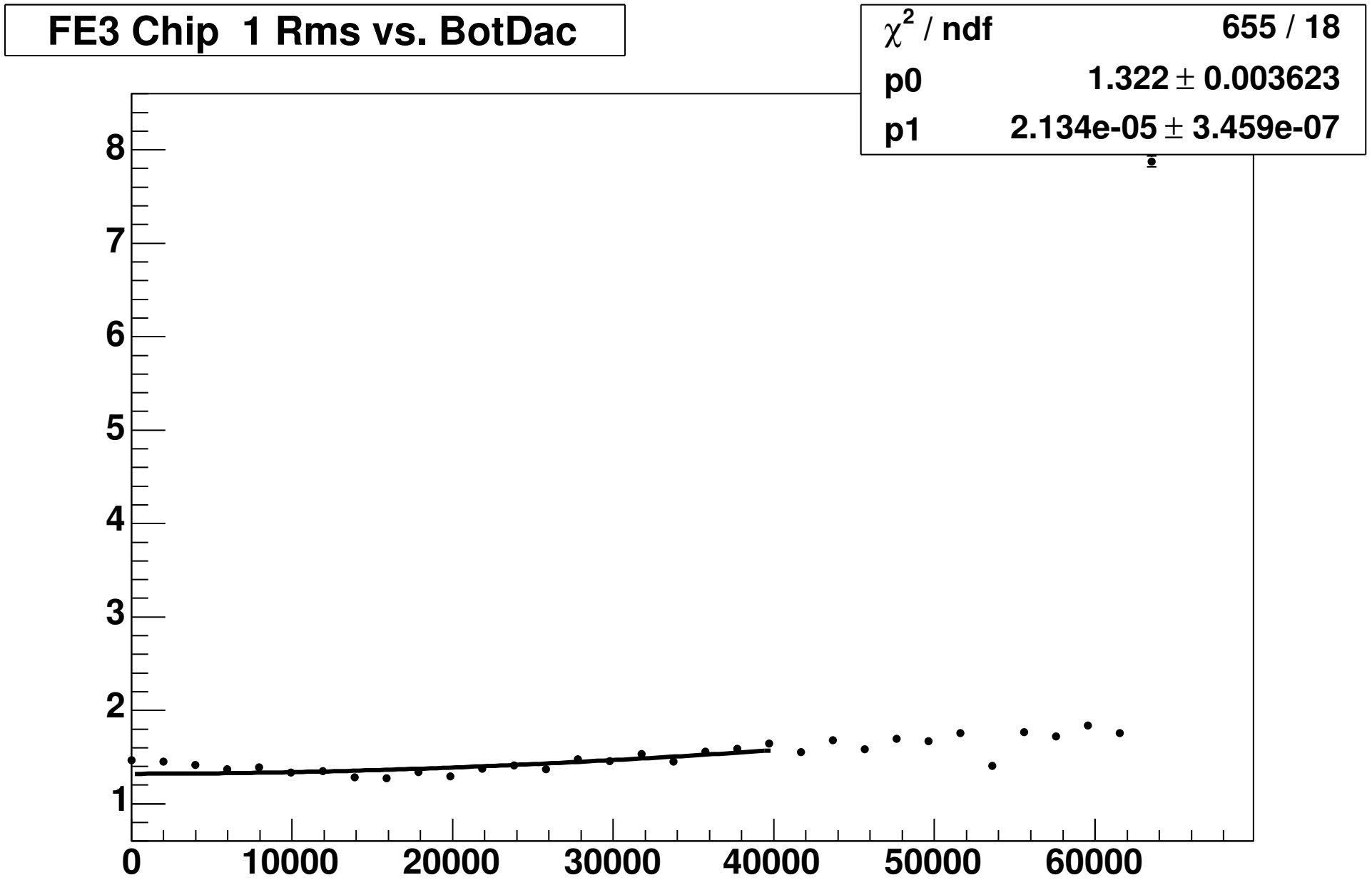

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 3.764e+04 / 18
p0 -23.52 ± 0.007067
p1 0.4494 ± 3.091e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

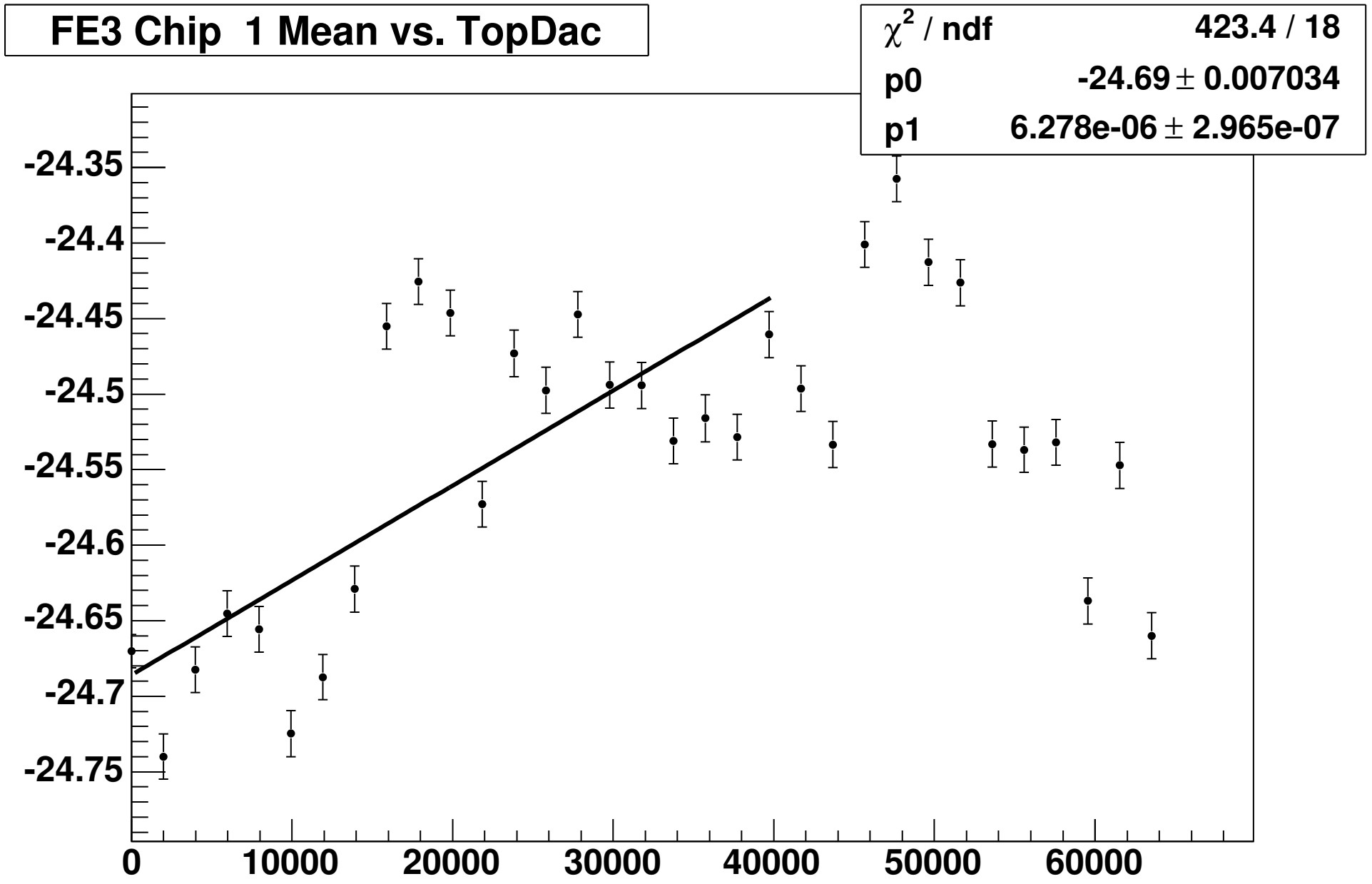

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 623.2 / 18
p0 1.361 ± 0.003687
p1 1.969e-05 ± 3.829e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Mean vs. TopDac
χ^2 / ndf 423.2 / 18
p0 -22.76 ± 0.007032
p1 6.582e-06 ± 2.96e-07
-22.4
-22.5
-22.6
-22.7
-22.8
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 18.25 / 18
p0 1.422 ± 0.003656
p1 3.145e-06 ± 2.214e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 3.852e+04 / 18
p0 -26.16 ± 0.00693
p1 0.4495 ± 3.055e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 655 / 18
p0 1.322 ± 0.003623
p1 2.134e-05 ± 3.459e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 423.4 / 18
p0 -24.69 ± 0.007034
p1 6.278e-06 ± 2.965e-07
-24.35
-24.4
-24.45
-24.5
-24.55
-24.6
-24.65
-24.7
-24.75
0
10000
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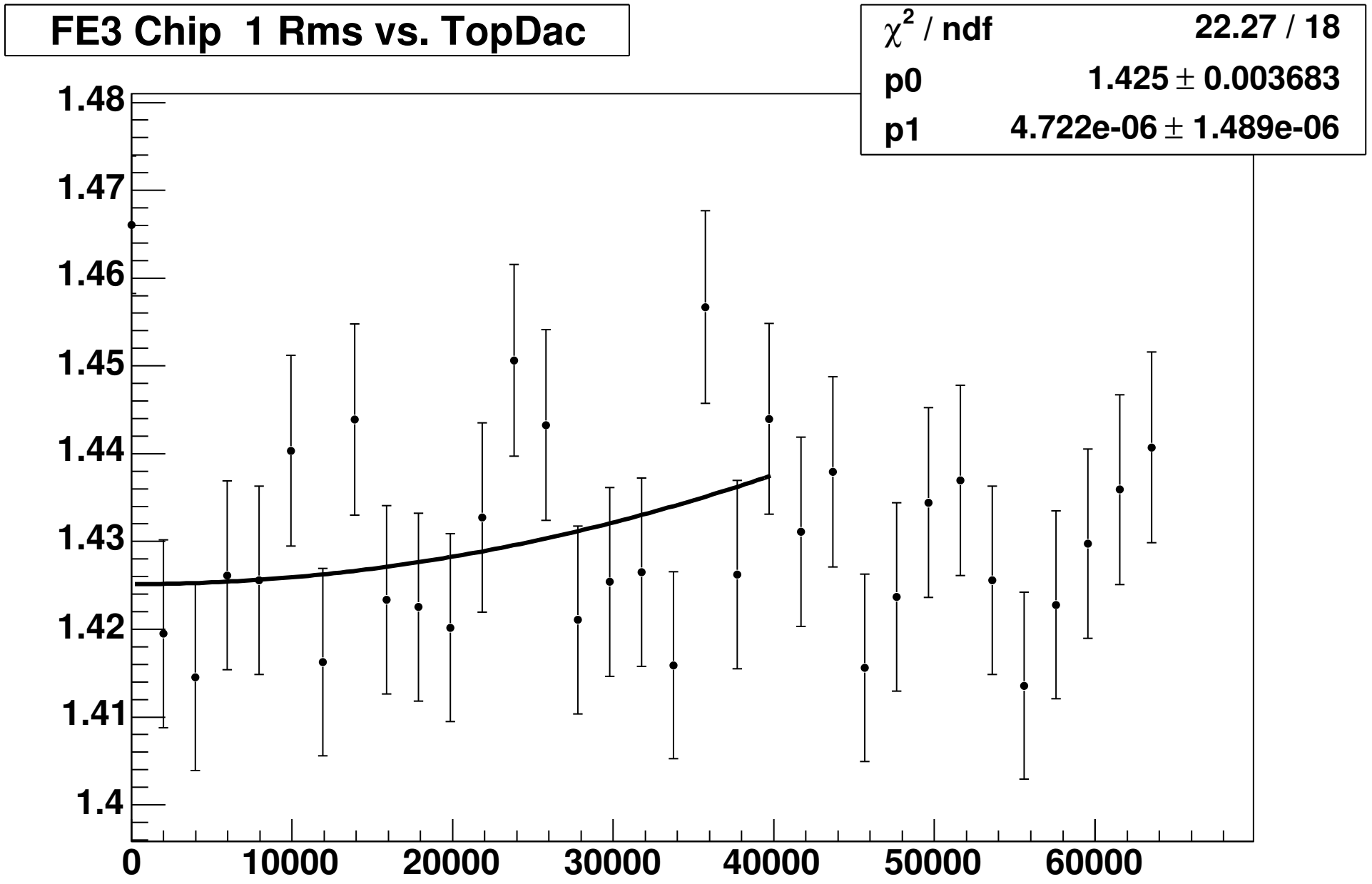
30000
40000
50000
60000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 22.27 / 18
p0 1.425 ± 0.003683
p1 4.722e-06 ± 1.489e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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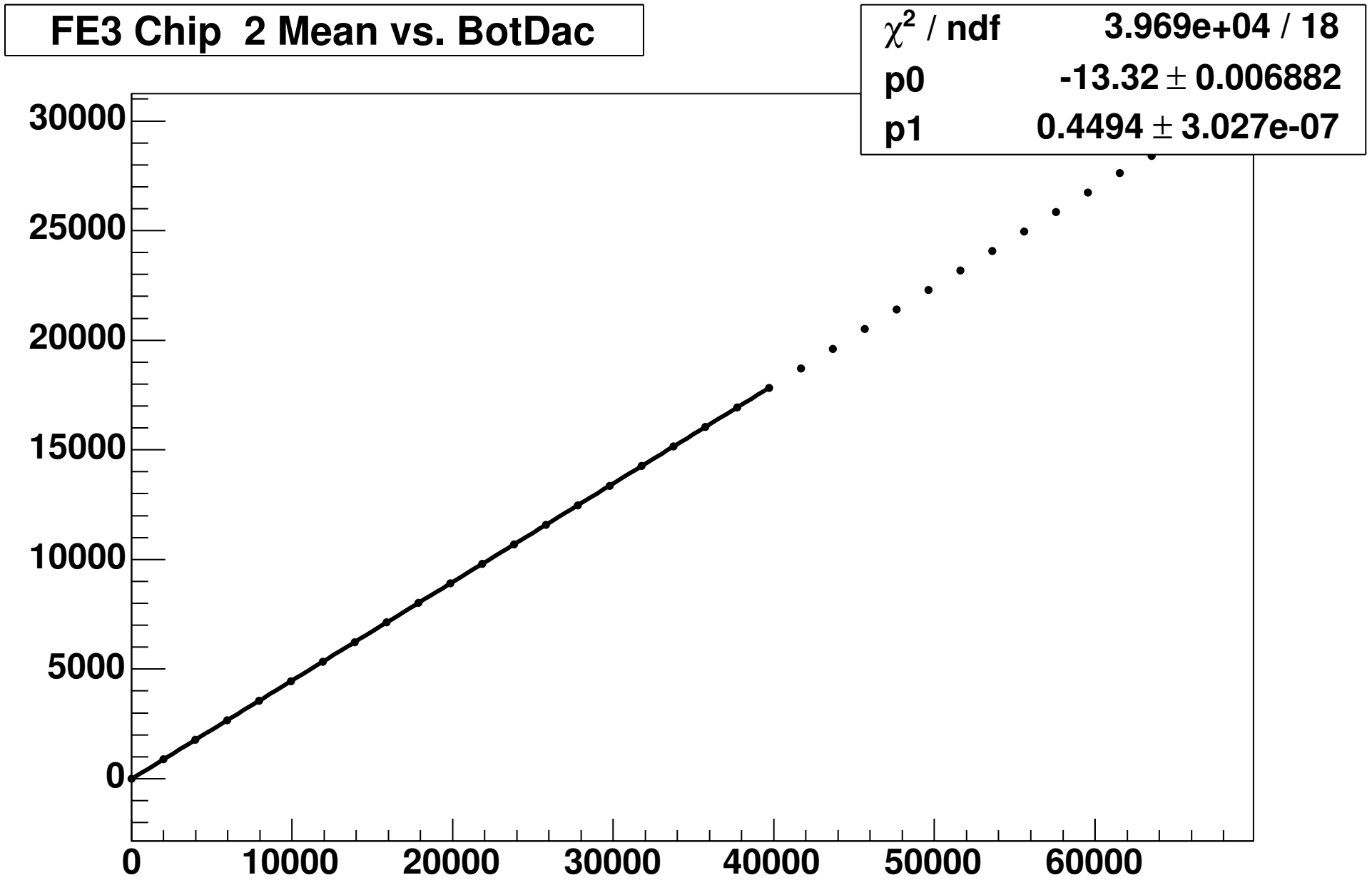
30000
40000
50000
60000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 3.969e+04 / 18
p0 -13.32 ± 0.006882
p1 0.4494 ± 3.027e-07
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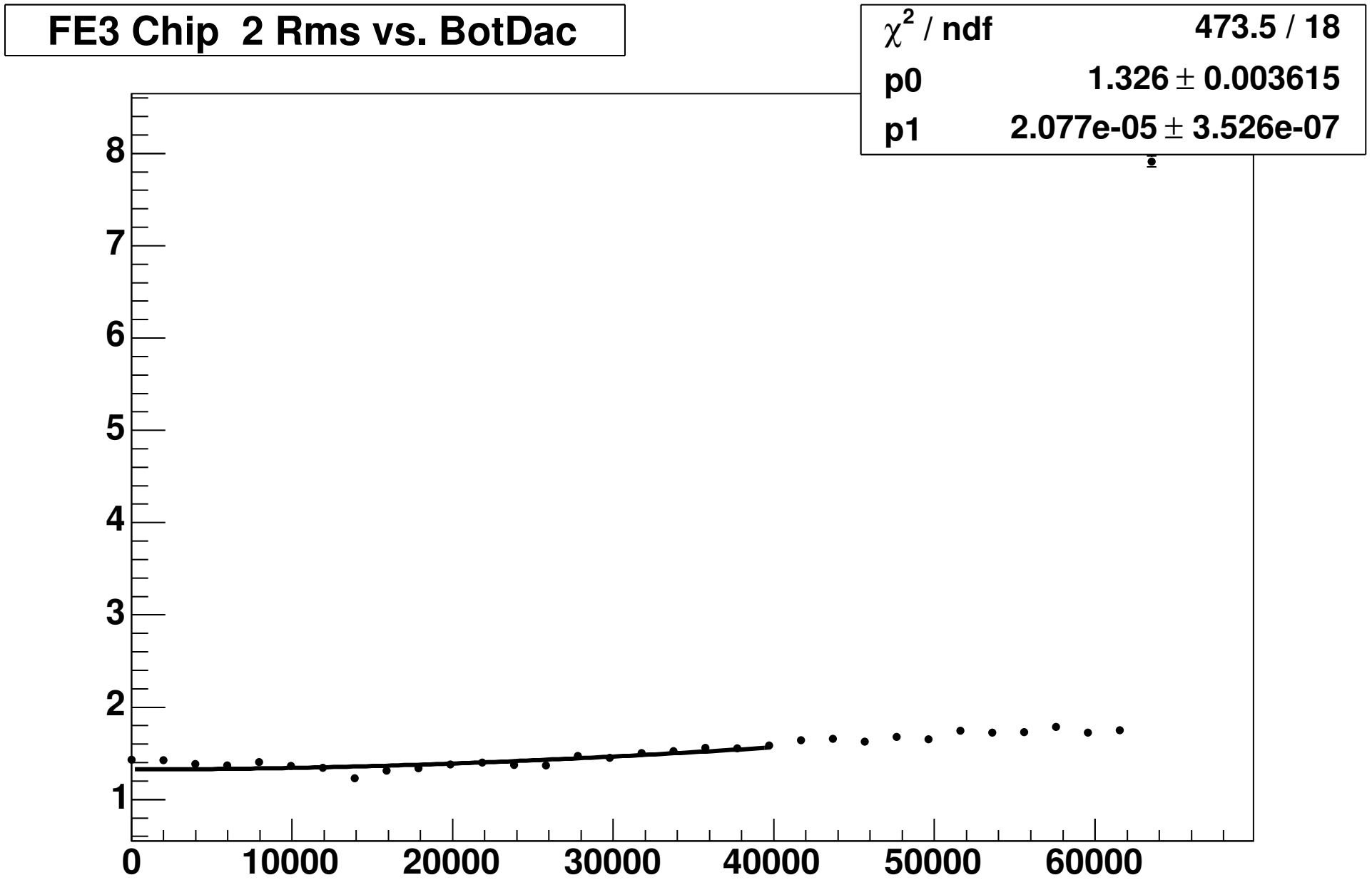
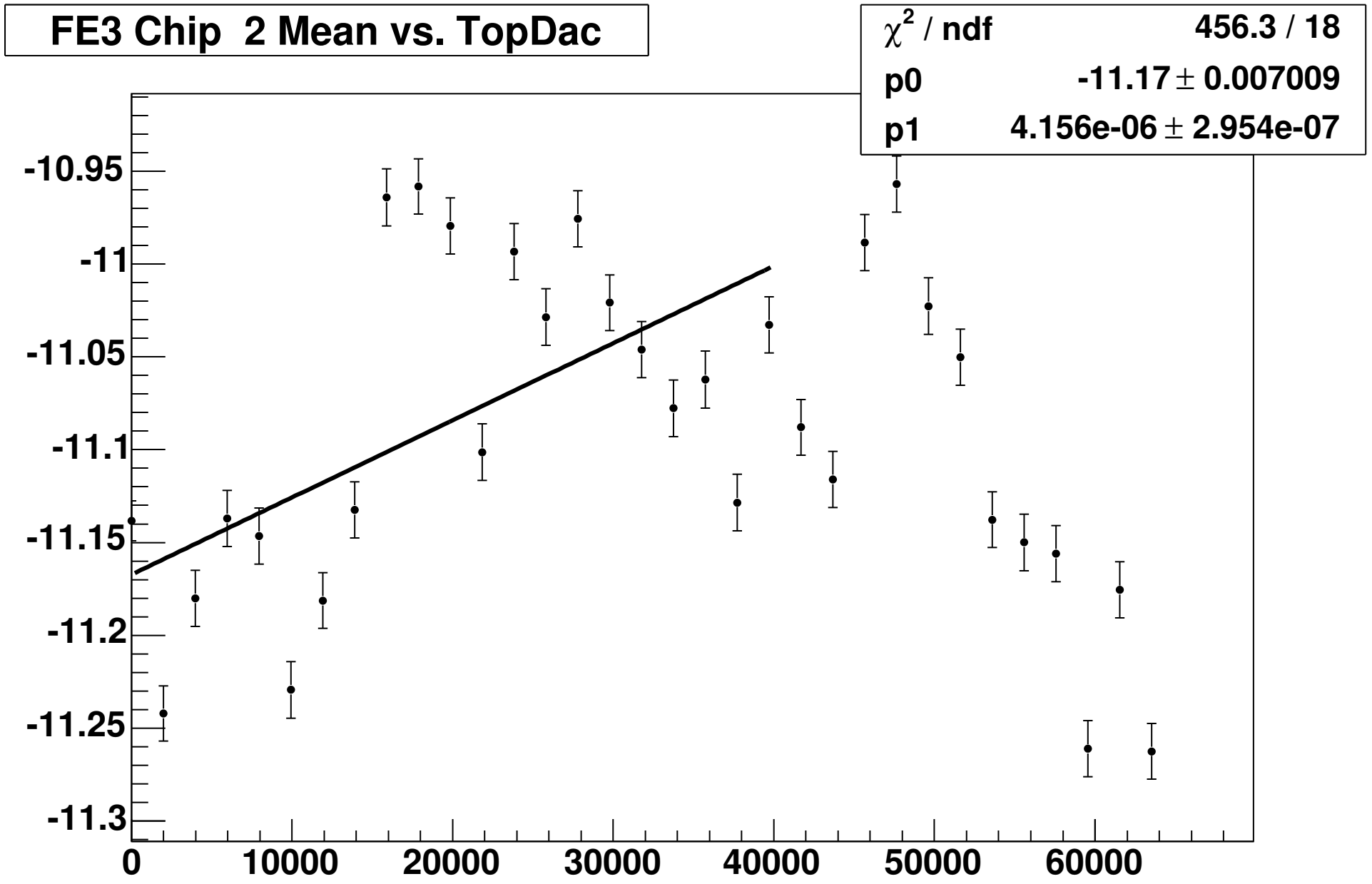
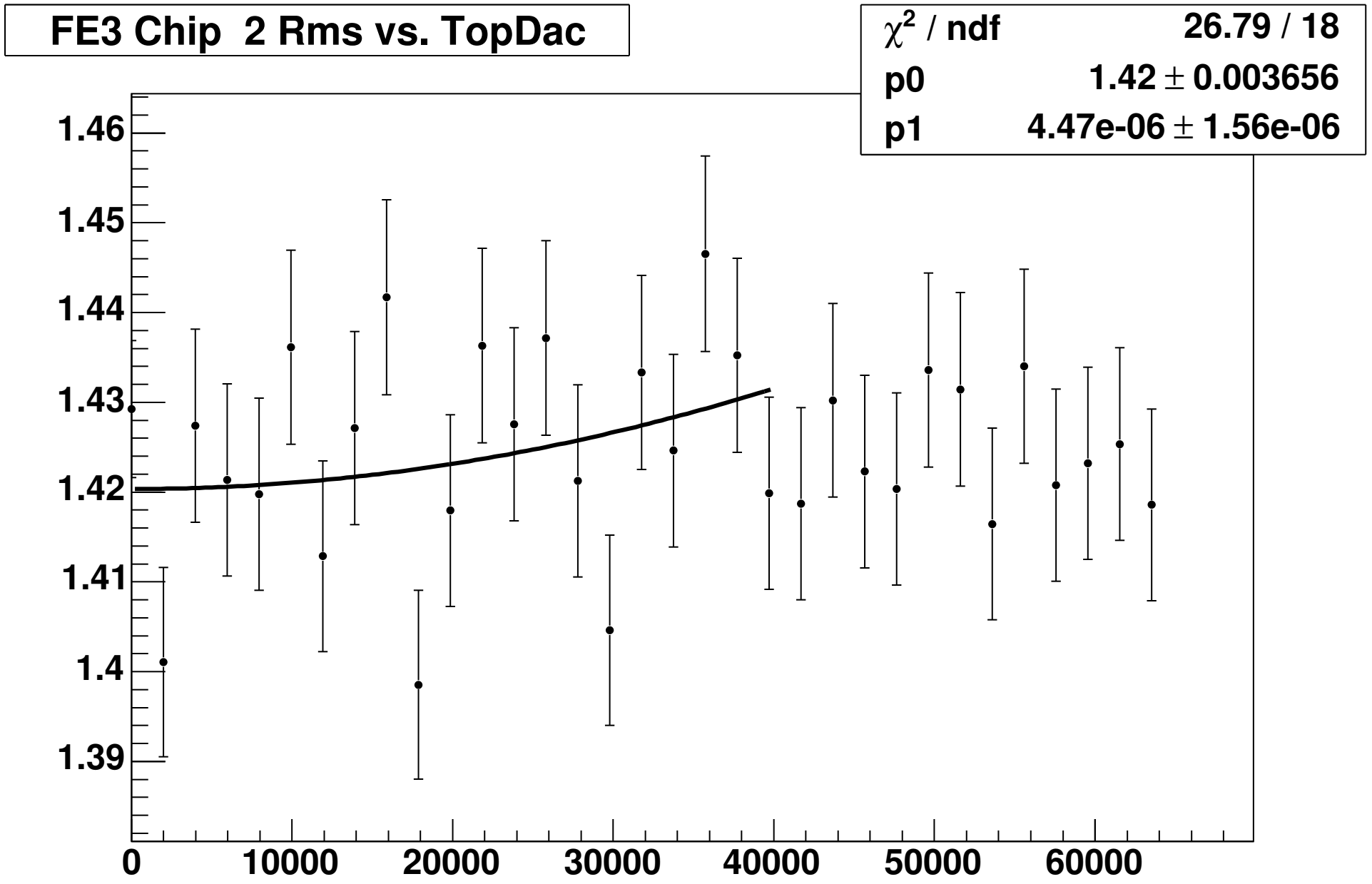
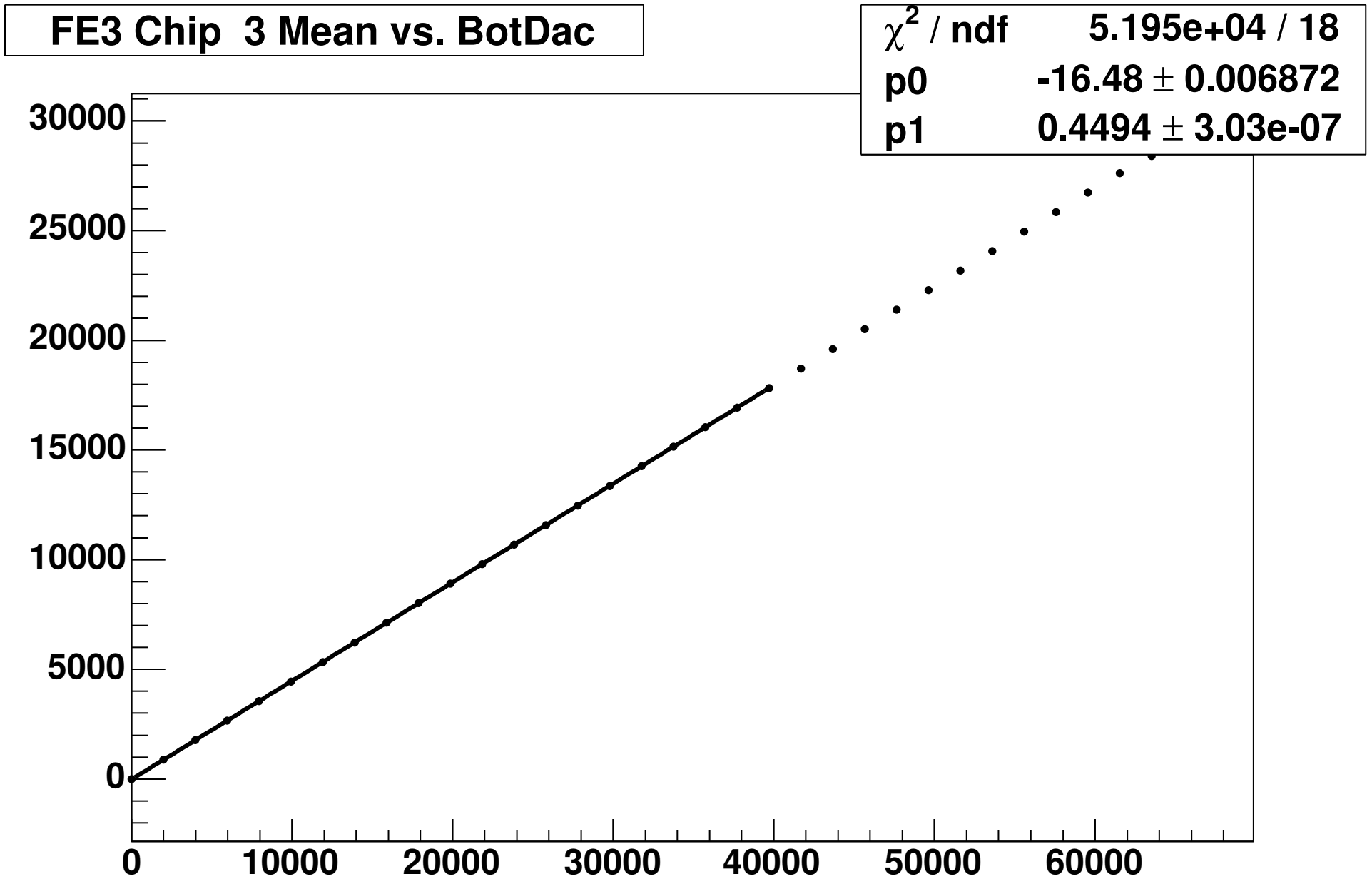
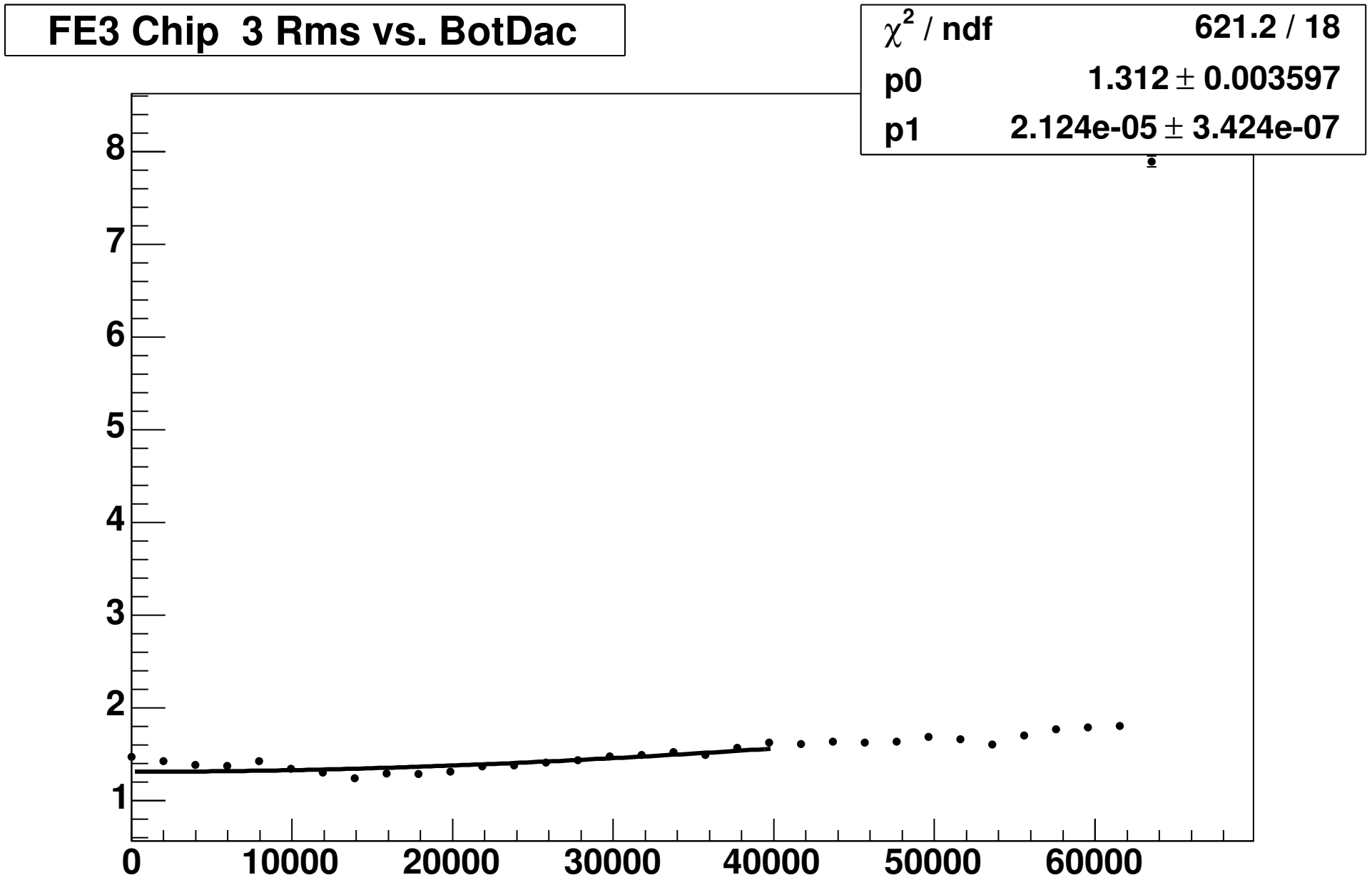
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

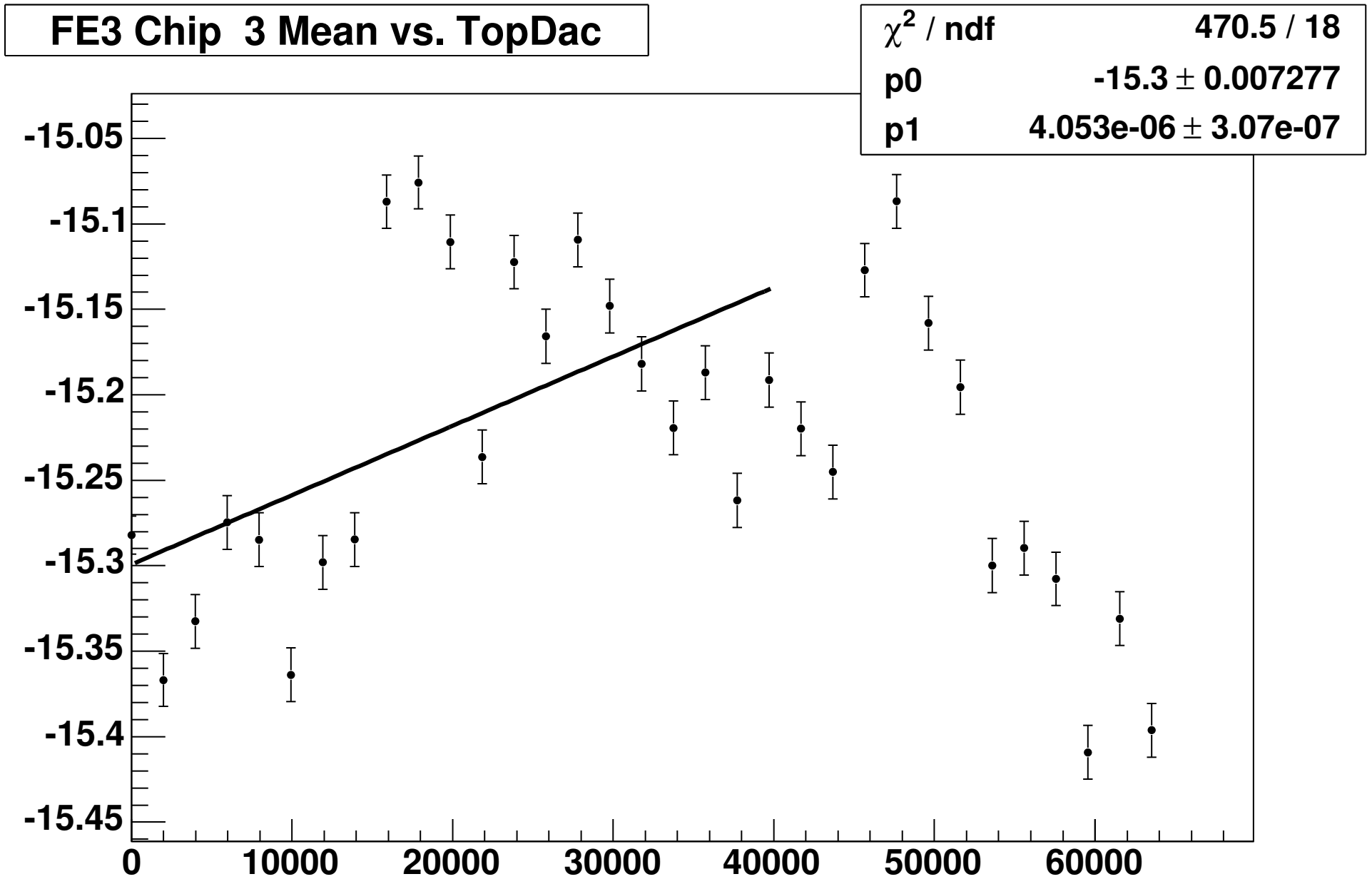

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 473.5 / 18
p0 1.326 ± 0.003615
p1 2.077e-05 ± 3.526e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

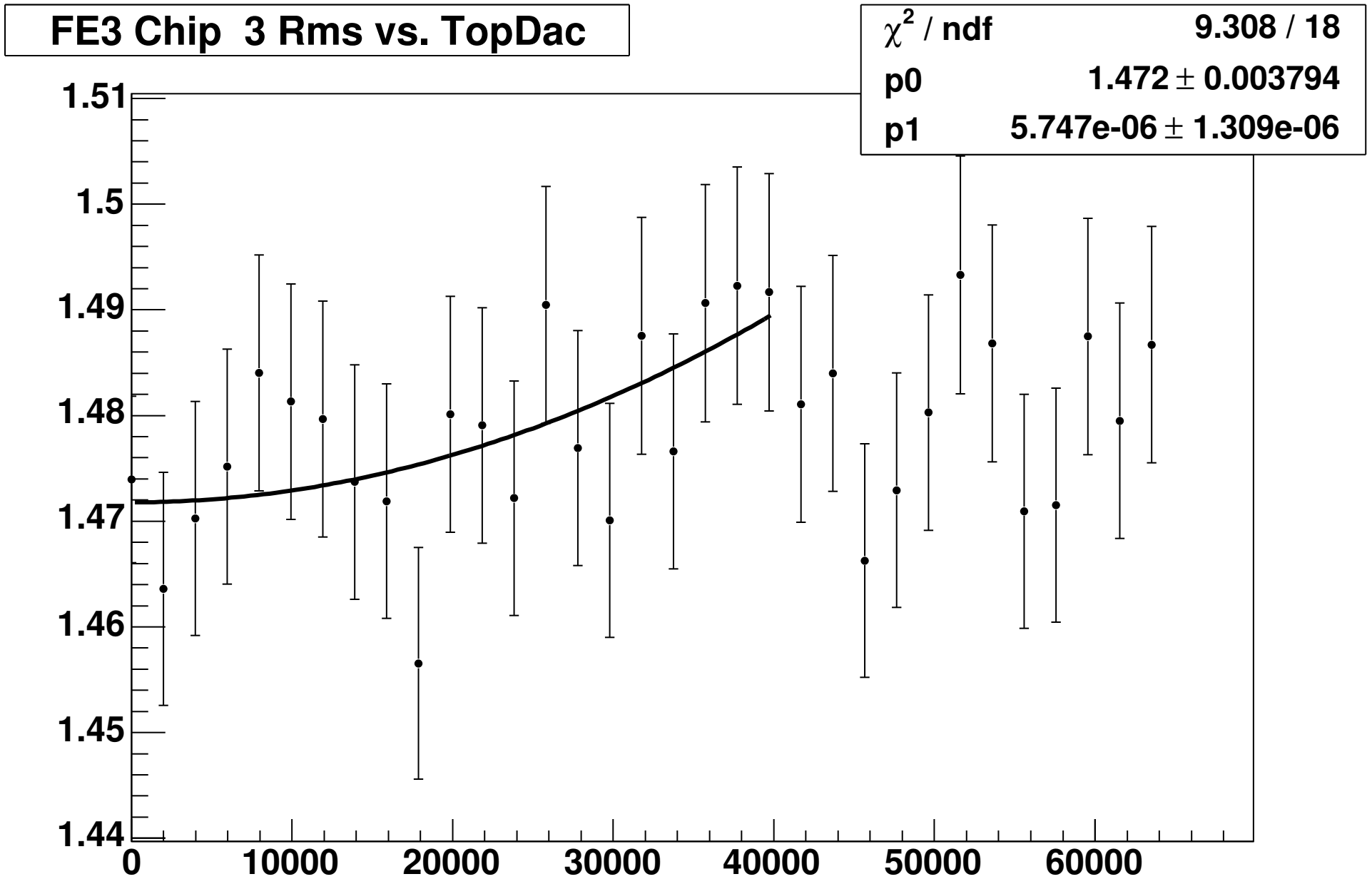

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 456.3 / 18
p0 -11.17 ± 0.007009
p1 4.156e-06 ± 2.954e-07
-10.95
-11
-11.05
-11.1
-11.15
-11.2
-11.25
-11.3
0
10000
20000
30000
40000
50000
60000

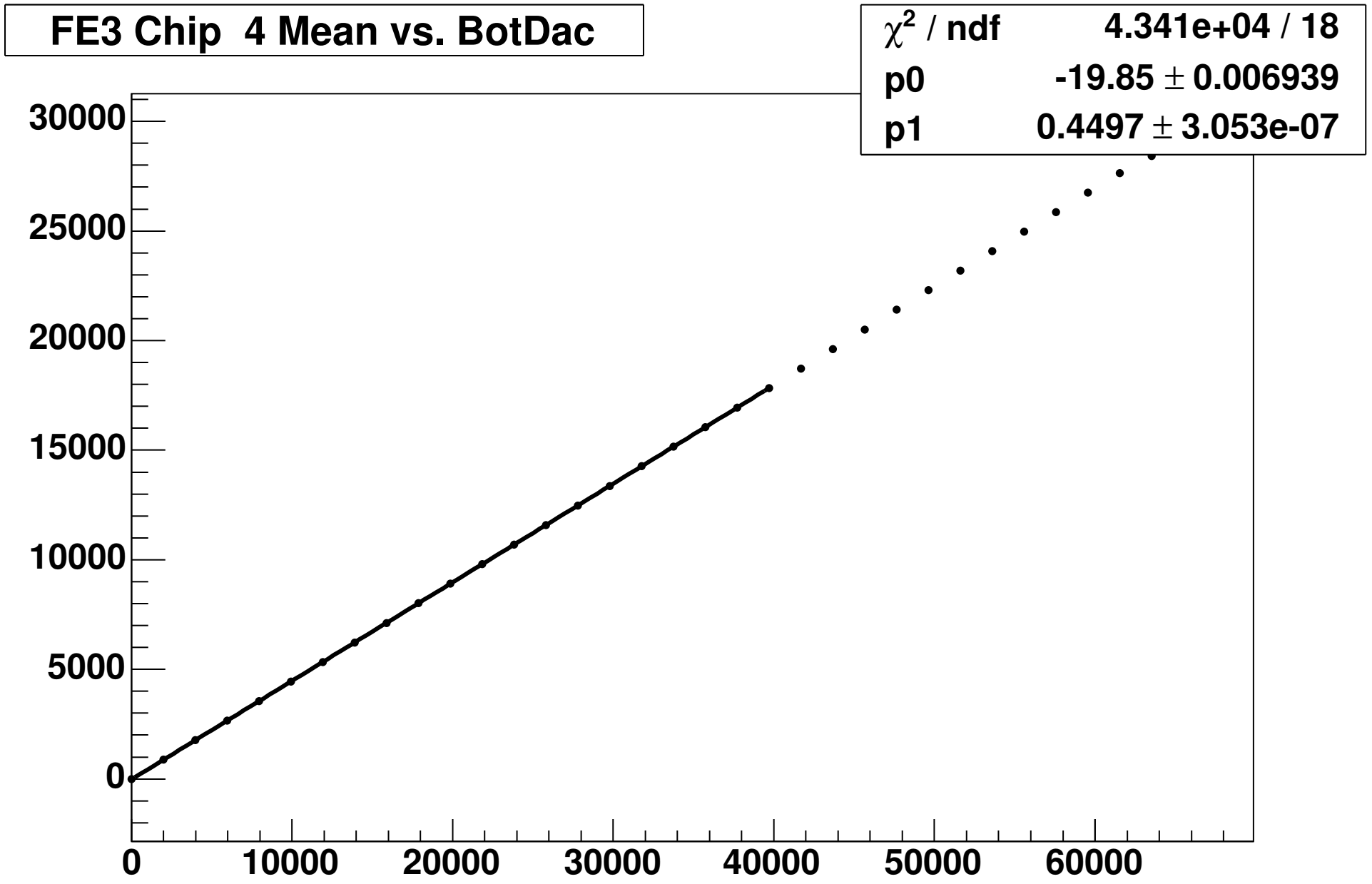

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 26.79 / 18
p0 1.42 ± 0.003656
p1 4.47e-06 ± 1.56e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000

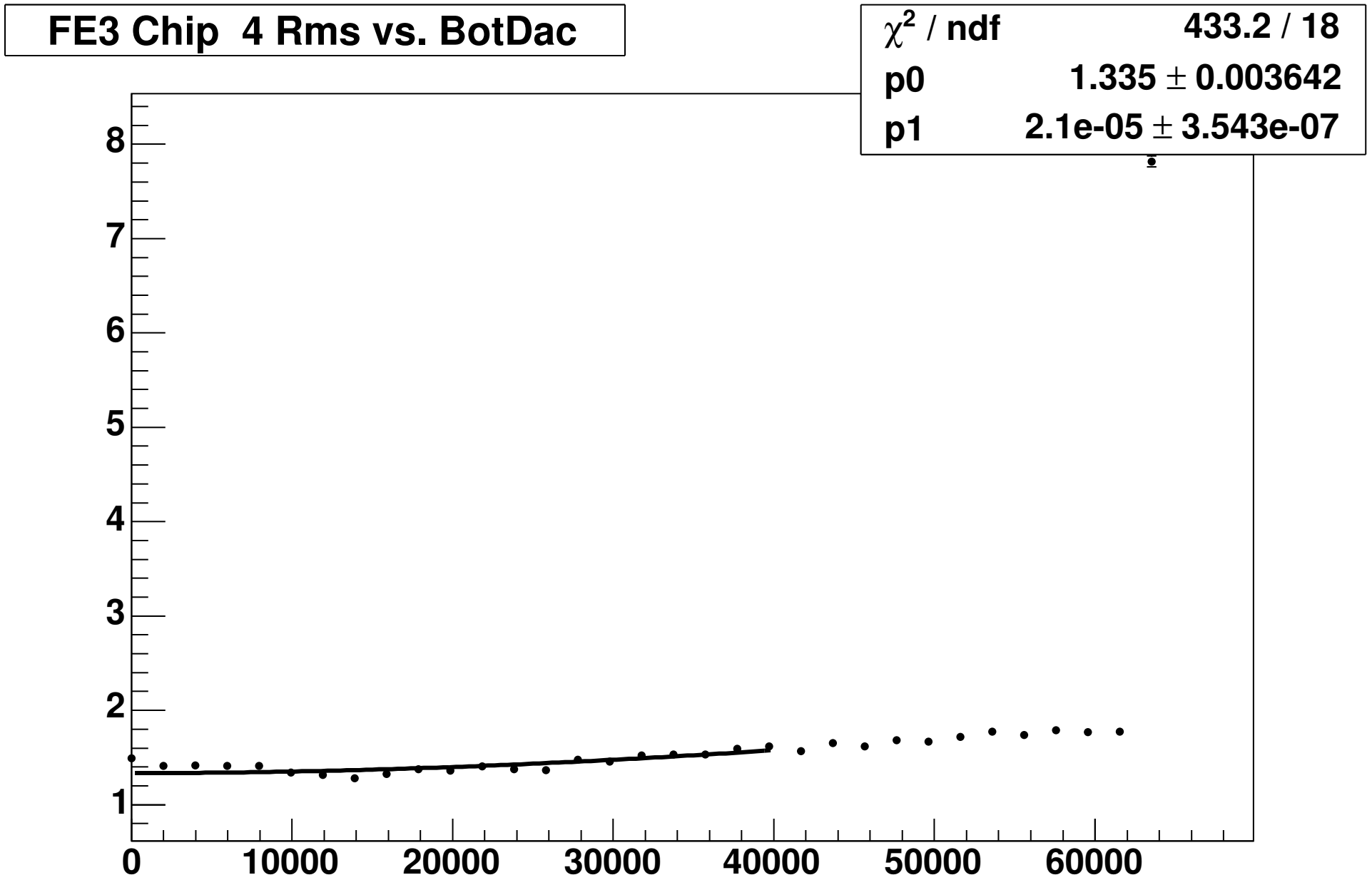

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 5.195e+04 / 18
p0 -16.48 ± 0.006872
p1 0.4494 ± 3.03e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

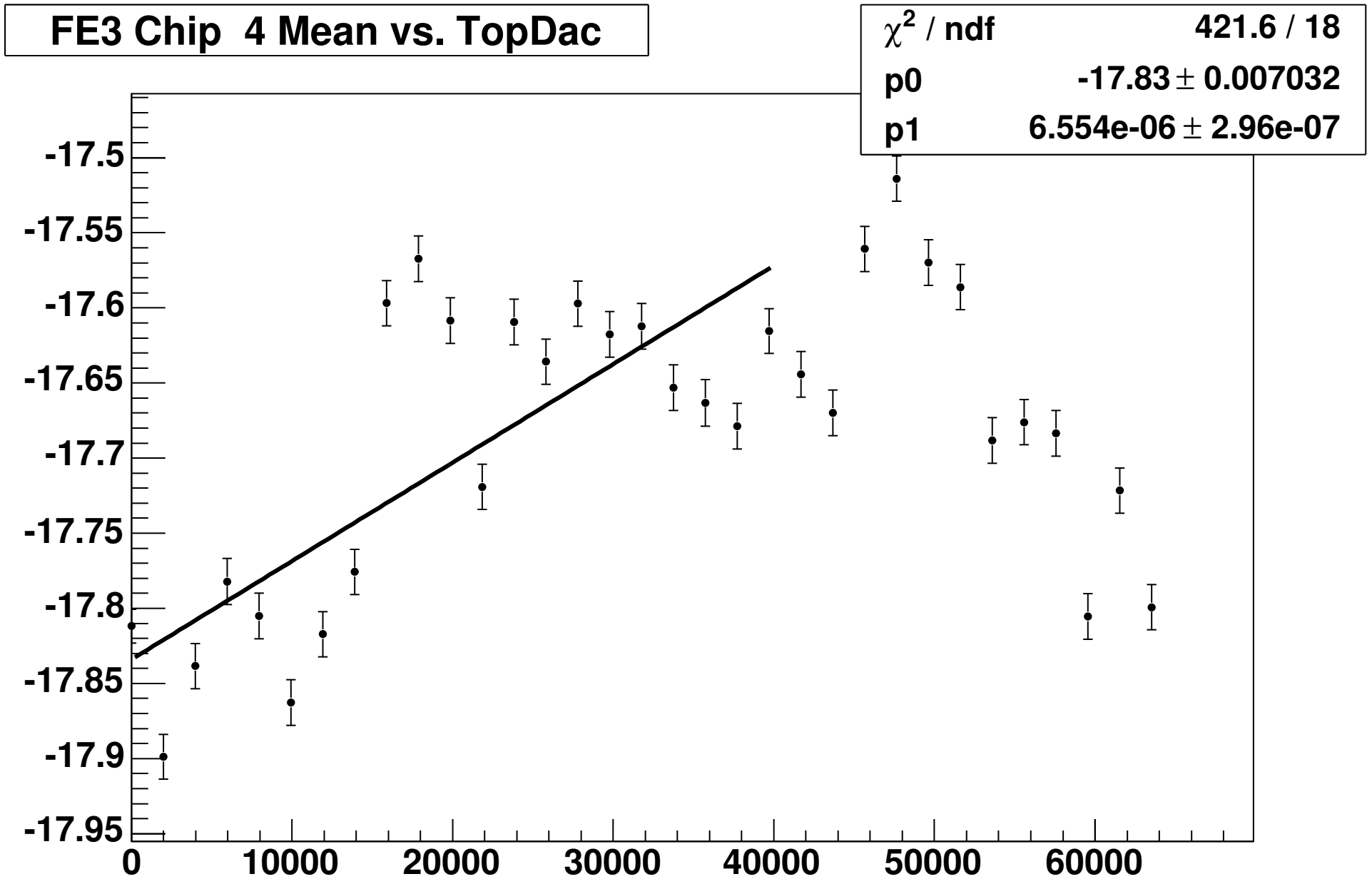

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 621.2 / 18
p0 1.312 ± 0.003597
p1 2.124e-05 ± 3.424e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 470.5 / 18
p0 -15.3 ± 0.007277
p1 4.053e-06 ± 3.07e-07
-15.05
-15.1
-15.15
-15.2
-15.25
-15.3
-15.35
-15.4
-15.45
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 9.308 / 18
p0 1.472 ± 0.003794
p1 5.747e-06 ± 1.309e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 4.341e+04 / 18
p0 -19.85 ± 0.006939
p1 0.4497 ± 3.053e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 433.2 / 18
p0 1.335 ± 0.003642
p1 2.1e-05 ± 3.543e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 421.6 / 18
p0 -17.83 ± 0.007032
p1 6.554e-06 ± 2.96e-07
-17.5
-17.55
-17.6
-17.65
-17.7
-17.75
-17.8
-17.85
-17.9
-17.95
0
10000
20000
30000
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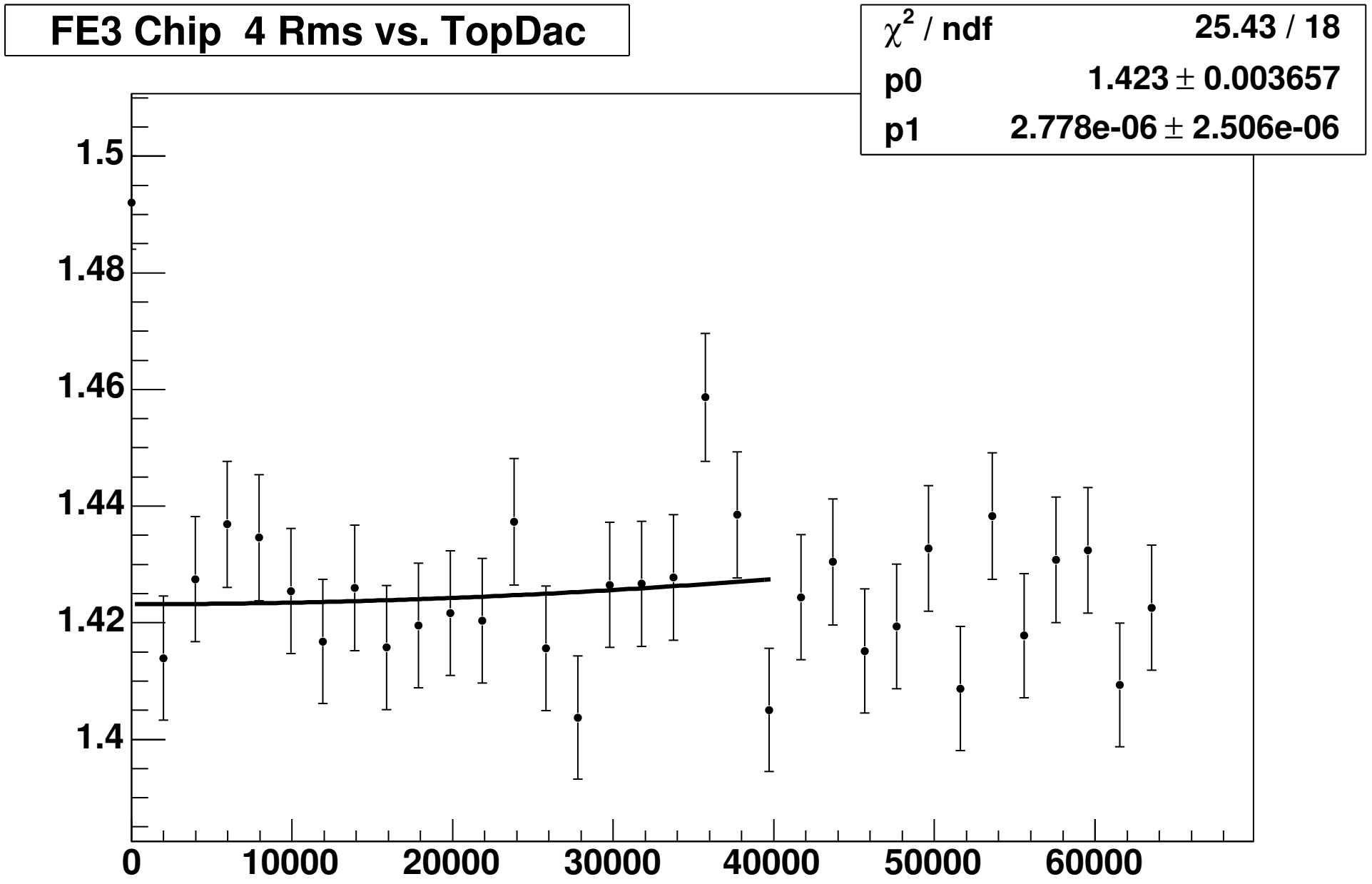
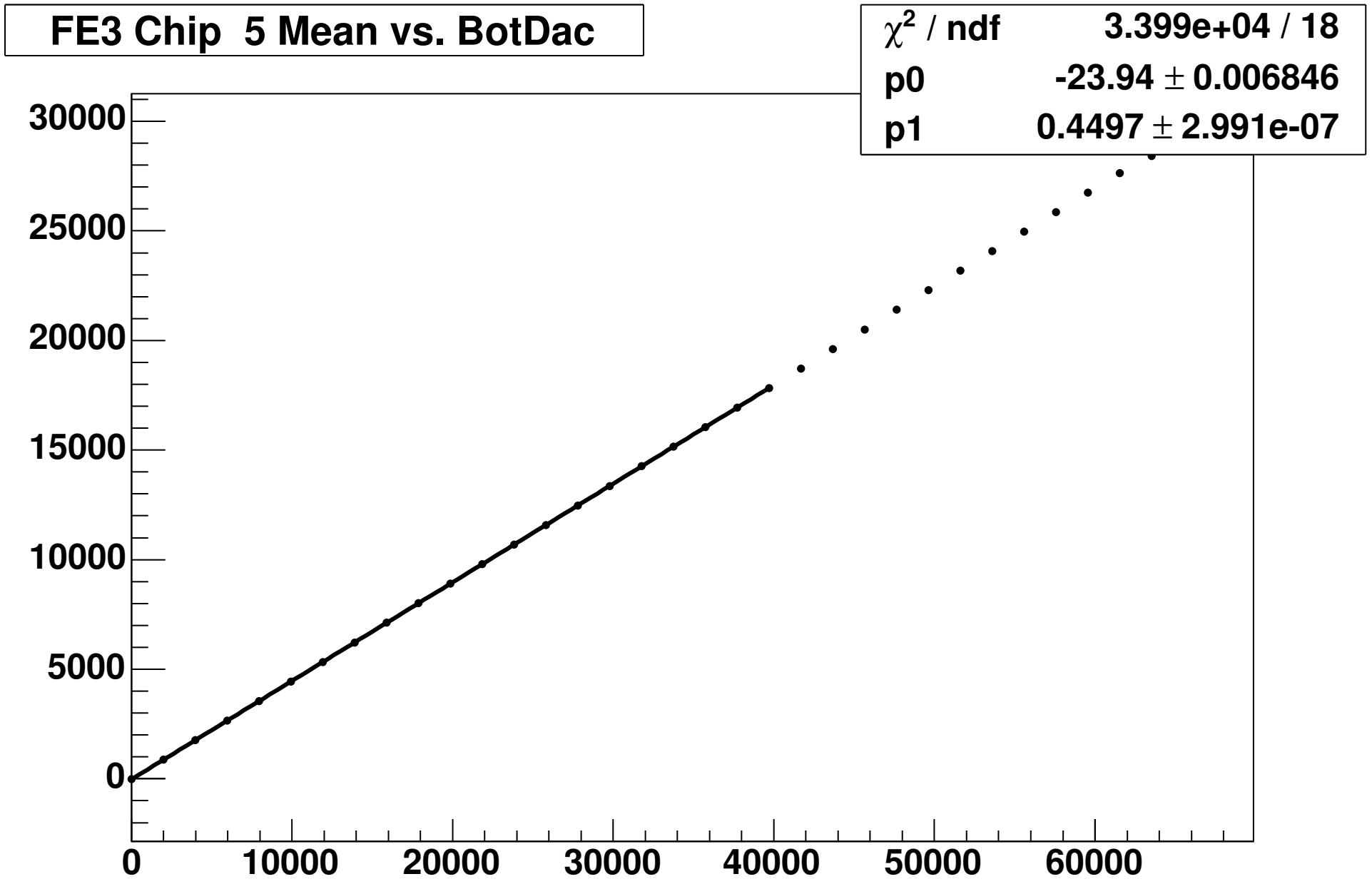
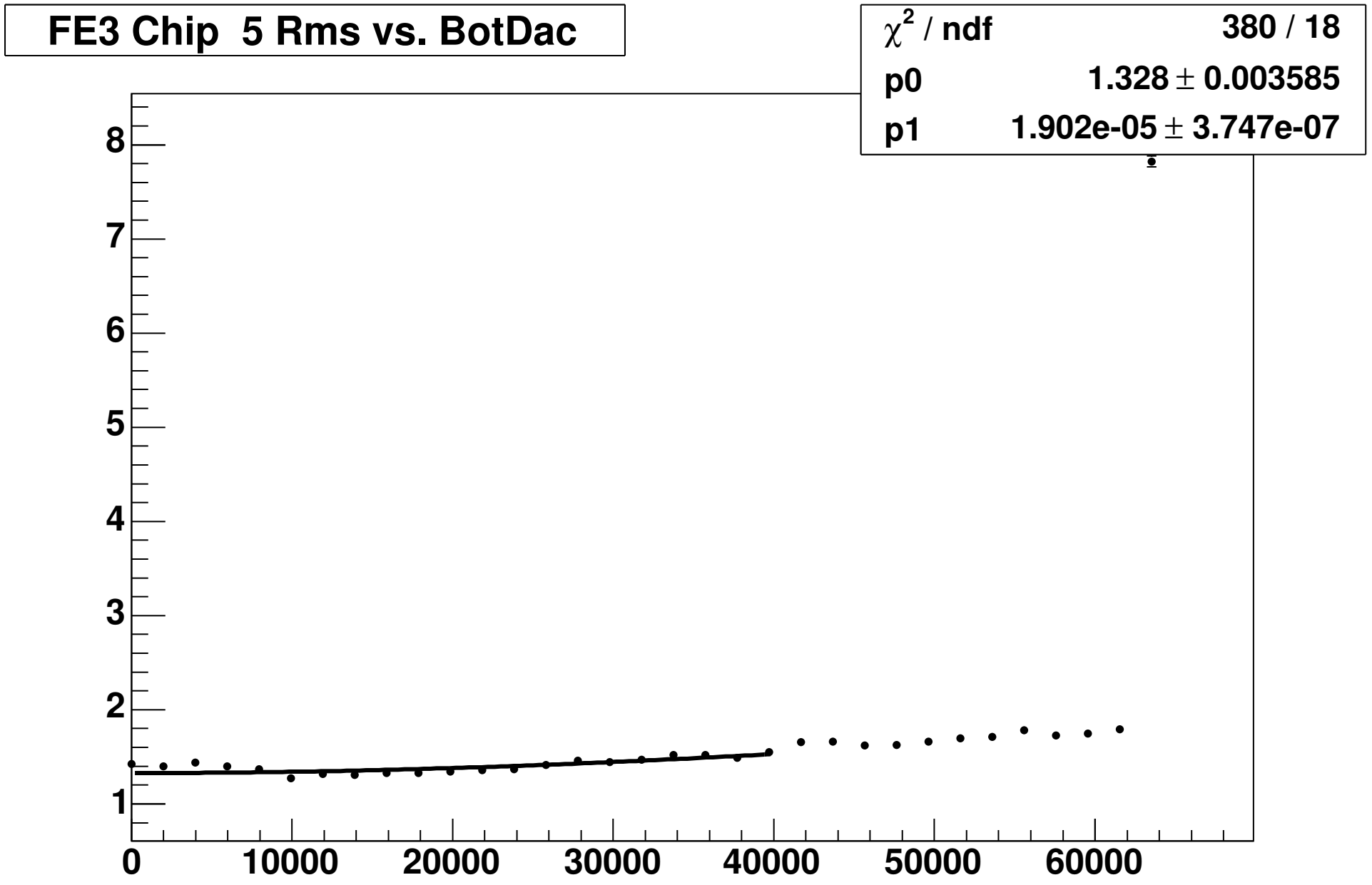
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 25.43 / 18
p0 1.423 ± 0.003657
p1 2.778e-06 ± 2.506e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 3.399e+04 / 18
p0 -23.94 ± 0.006846
p1 0.4497 ± 2.991e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 380 / 18
p0 1.328 ± 0.003585
p1 1.902e-05 ± 3.747e-07
8
7
6
5
4
3
2
1
0
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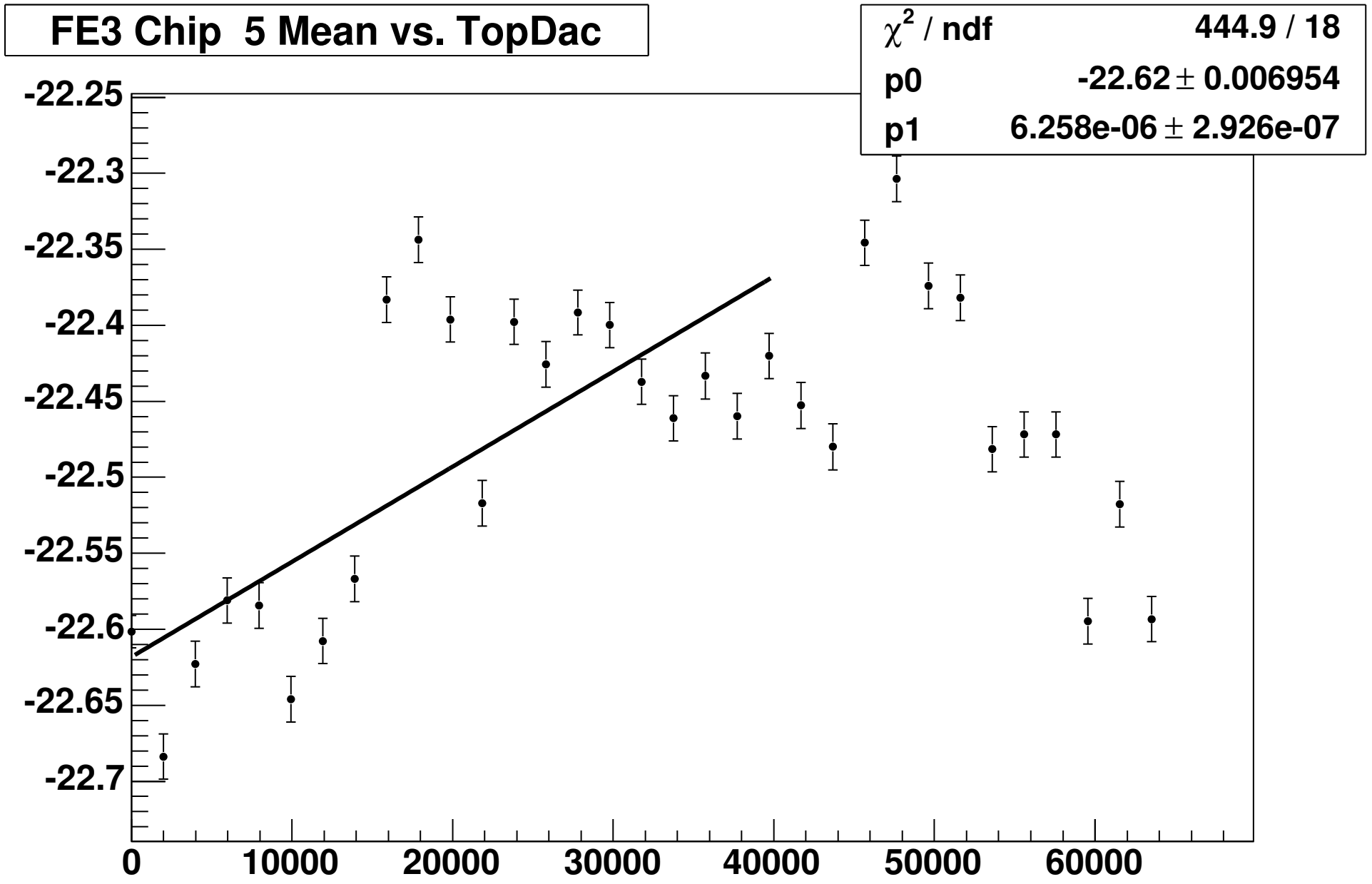
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 444.9 / 18
p0 -22.62 ± 0.006954
p1 6.258e-06 ± 2.926e-07
-22.25
-22.3
-22.35
-22.4
-22.45
-22.5
-22.55
-22.6
-22.65
-22.7
0
10000
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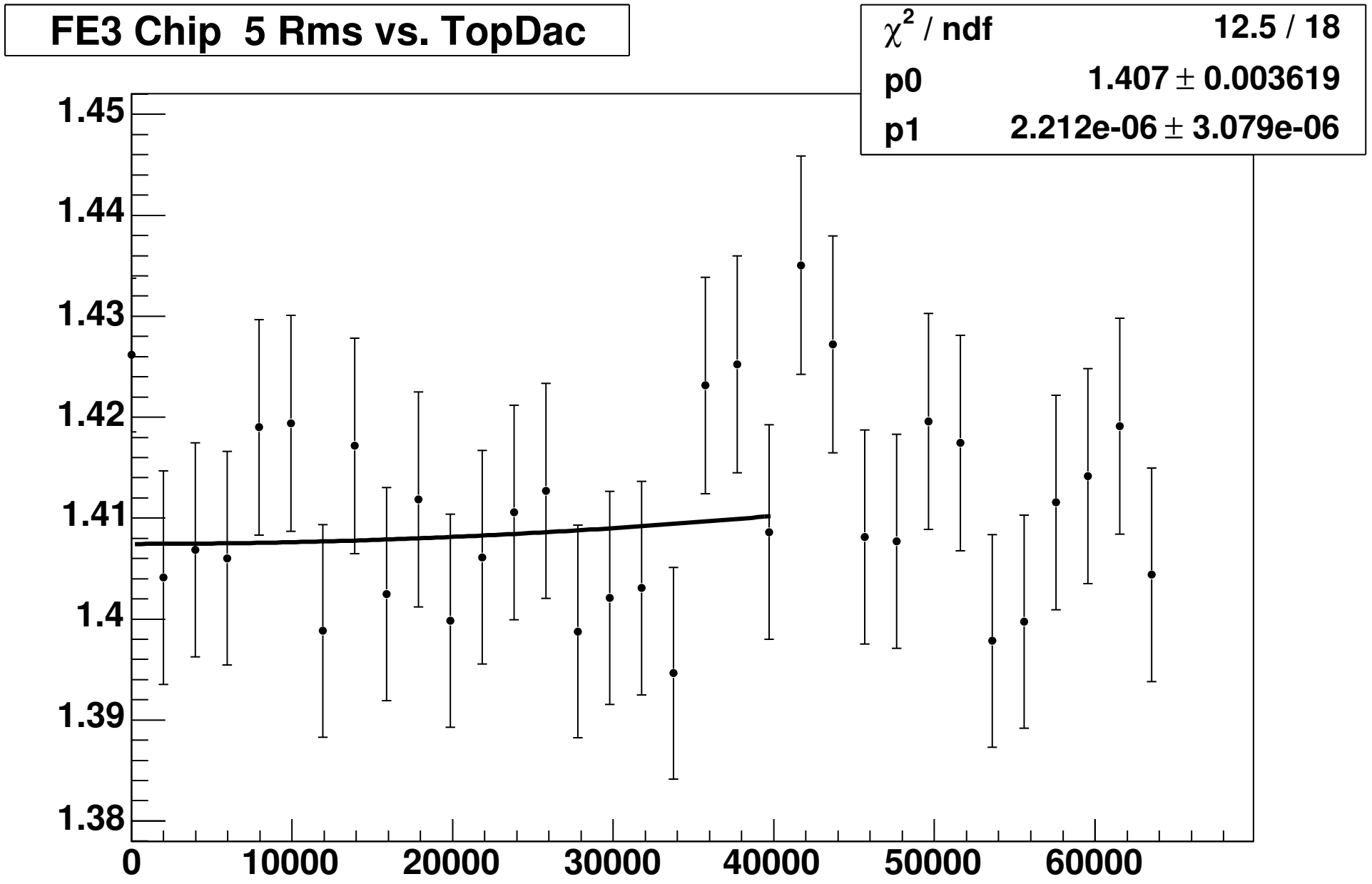
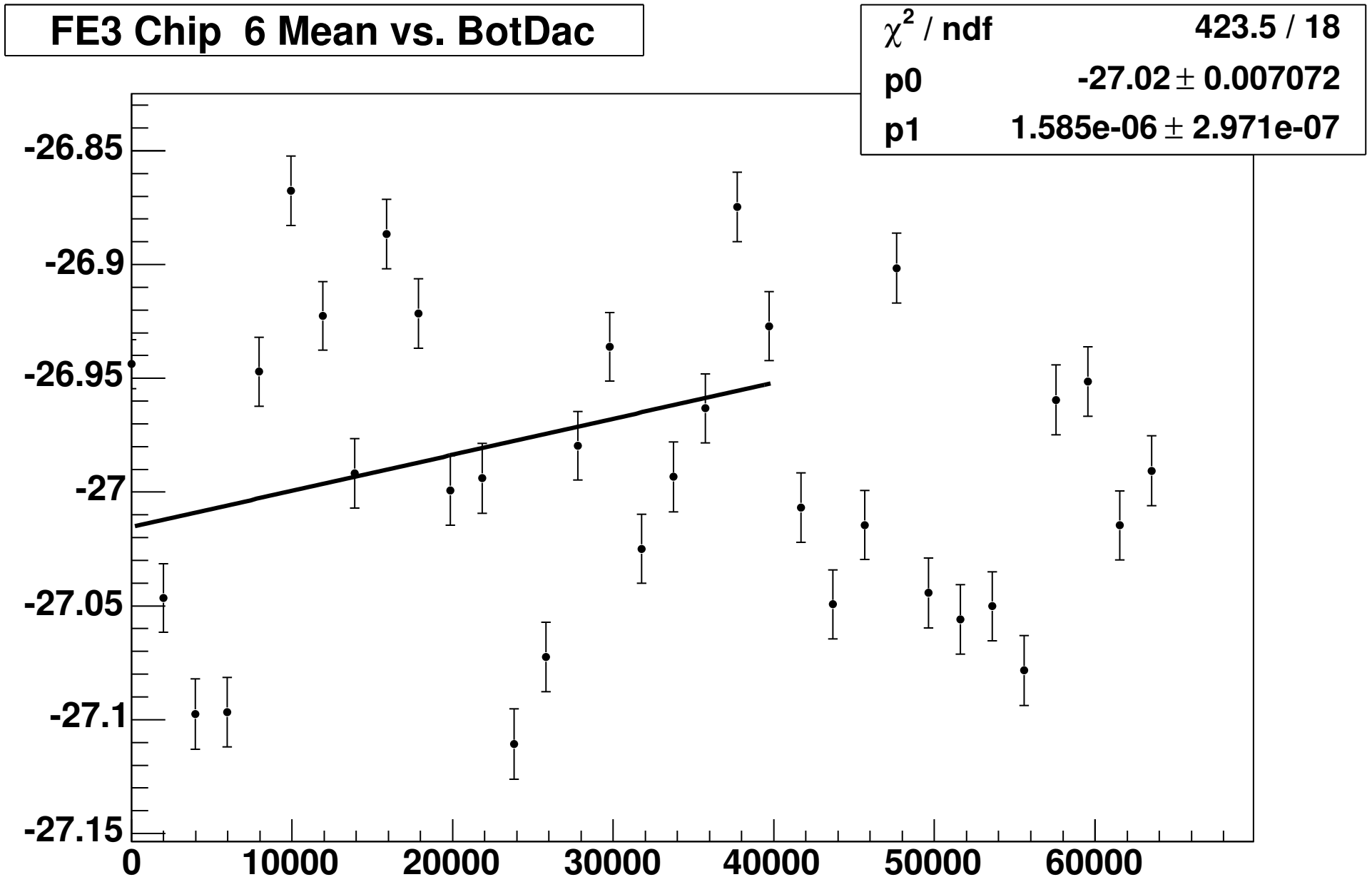
40000
50000
60000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 12.5 / 18
p0 1.407 ± 0.003619
p1 2.212e-06 ± 3.079e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Mean vs. BotDac
χ^2 / ndf 423.5 / 18
p0 -27.02 ± 0.007072
p1 1.585e-06 ± 2.971e-07
-26.85
-26.9
-26.95
-27
-27.05
-27.1
-27.15
0
10000
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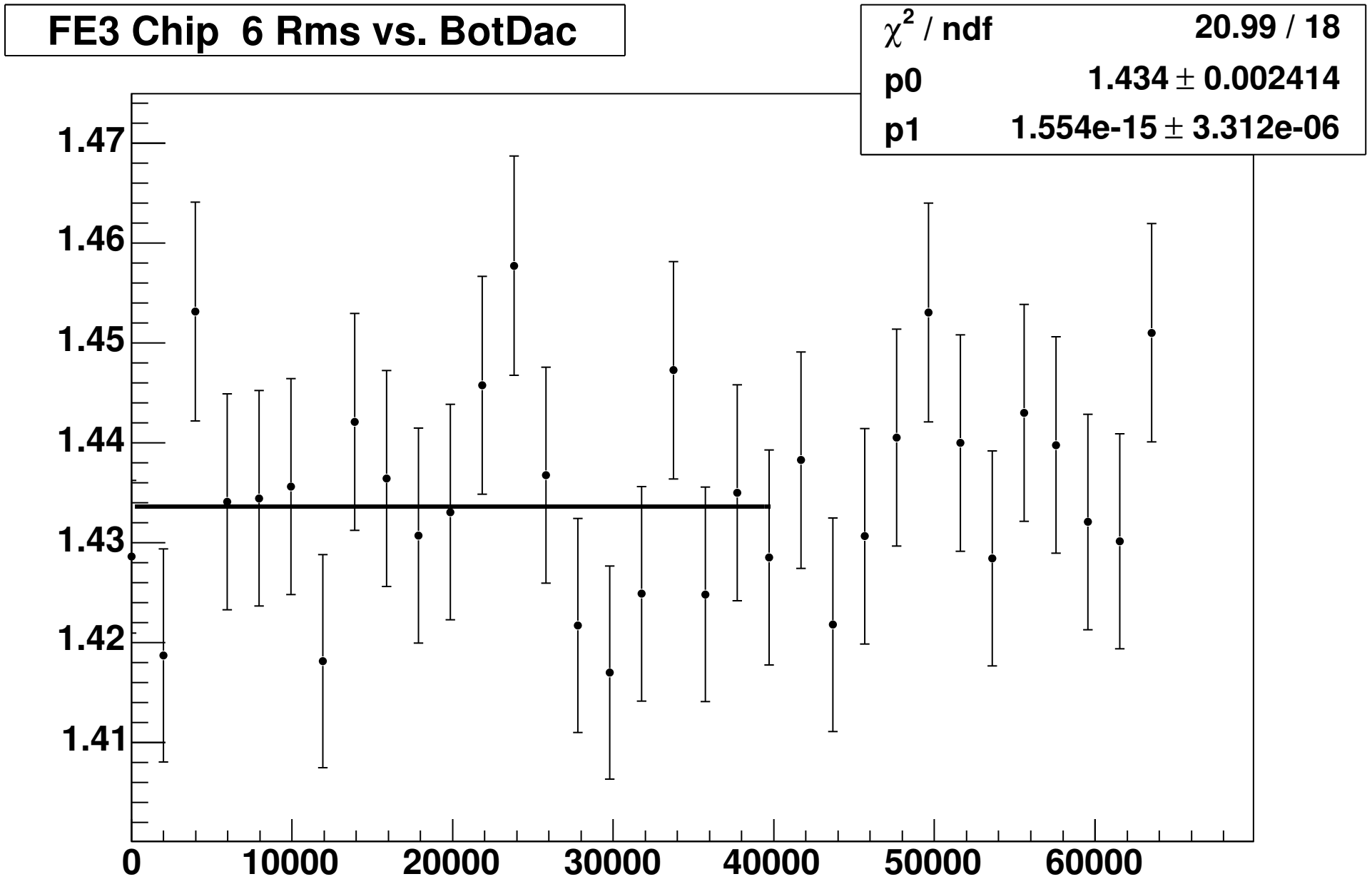
30000
40000
50000
60000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 20.99 / 18
p0 1.434 ± 0.002414
p1 1.554e-15 ± 3.312e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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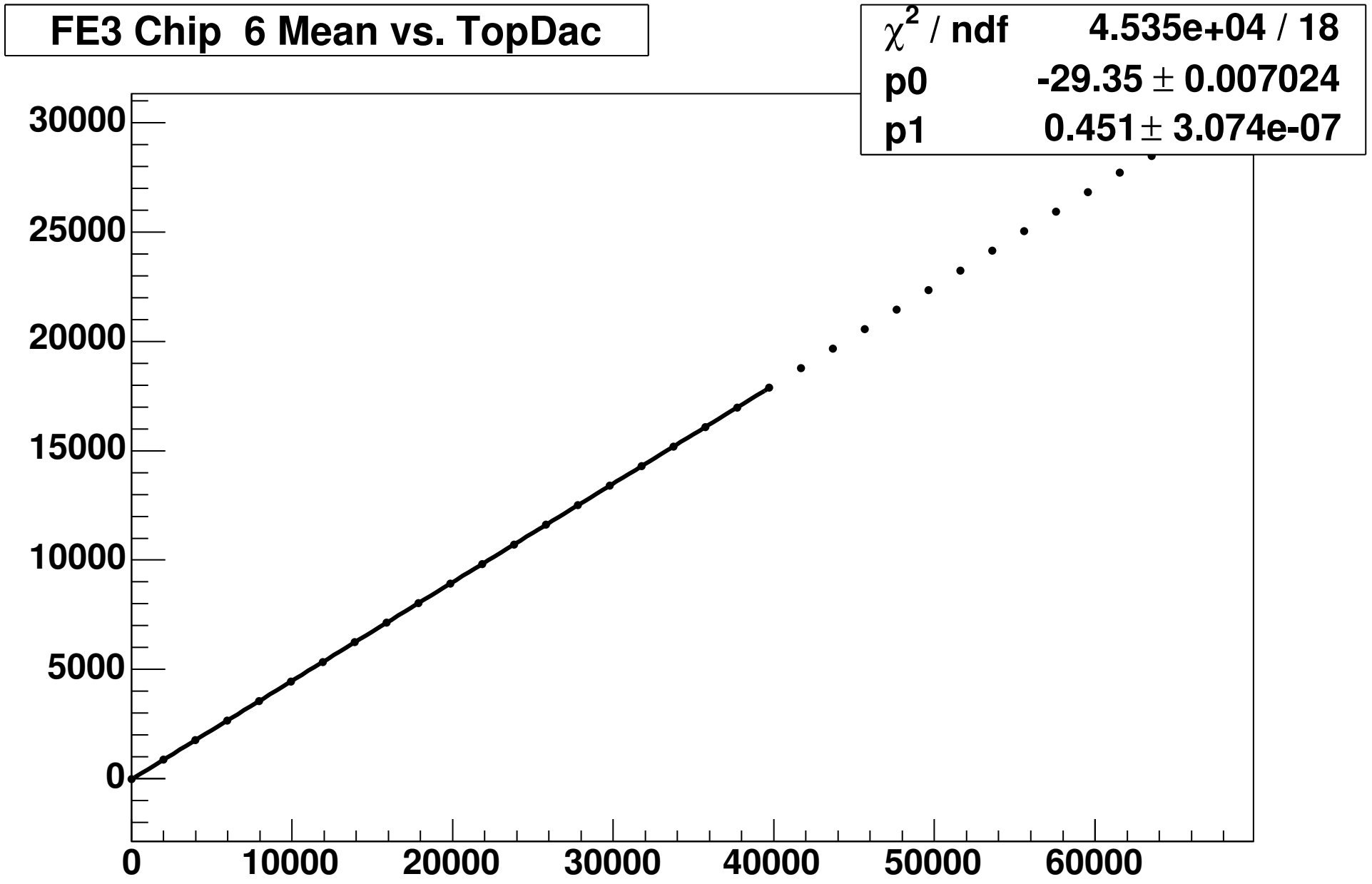
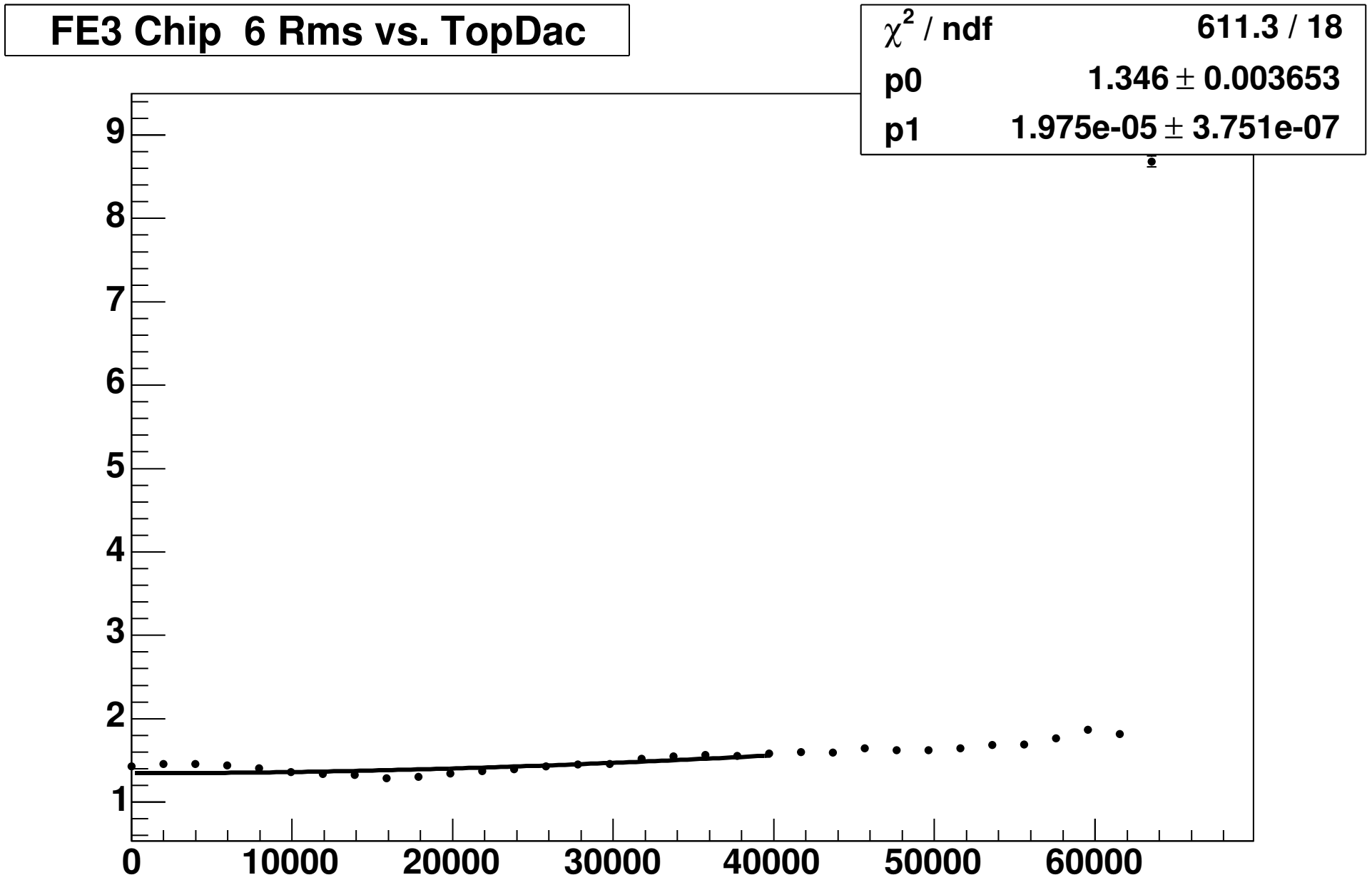
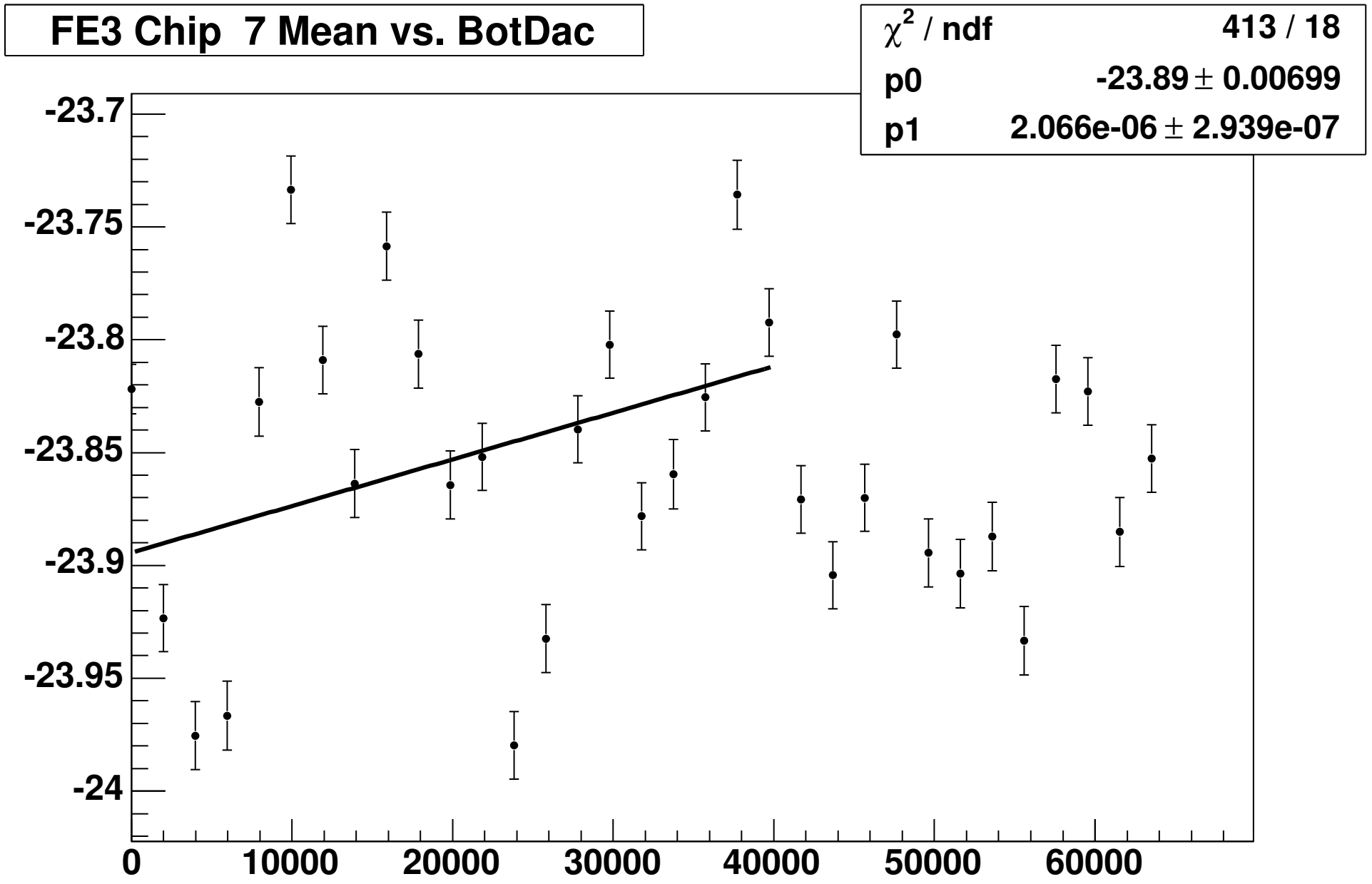
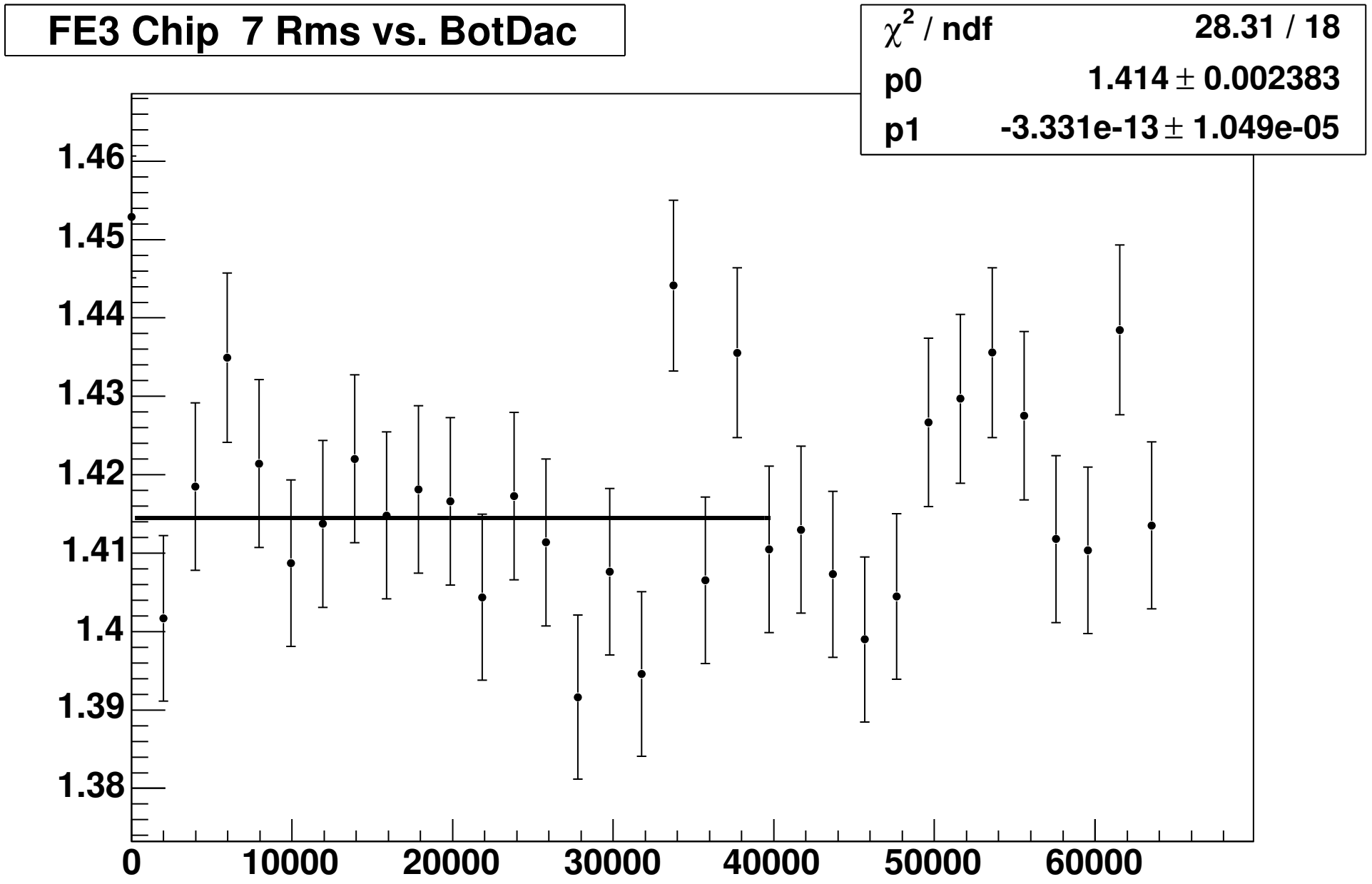
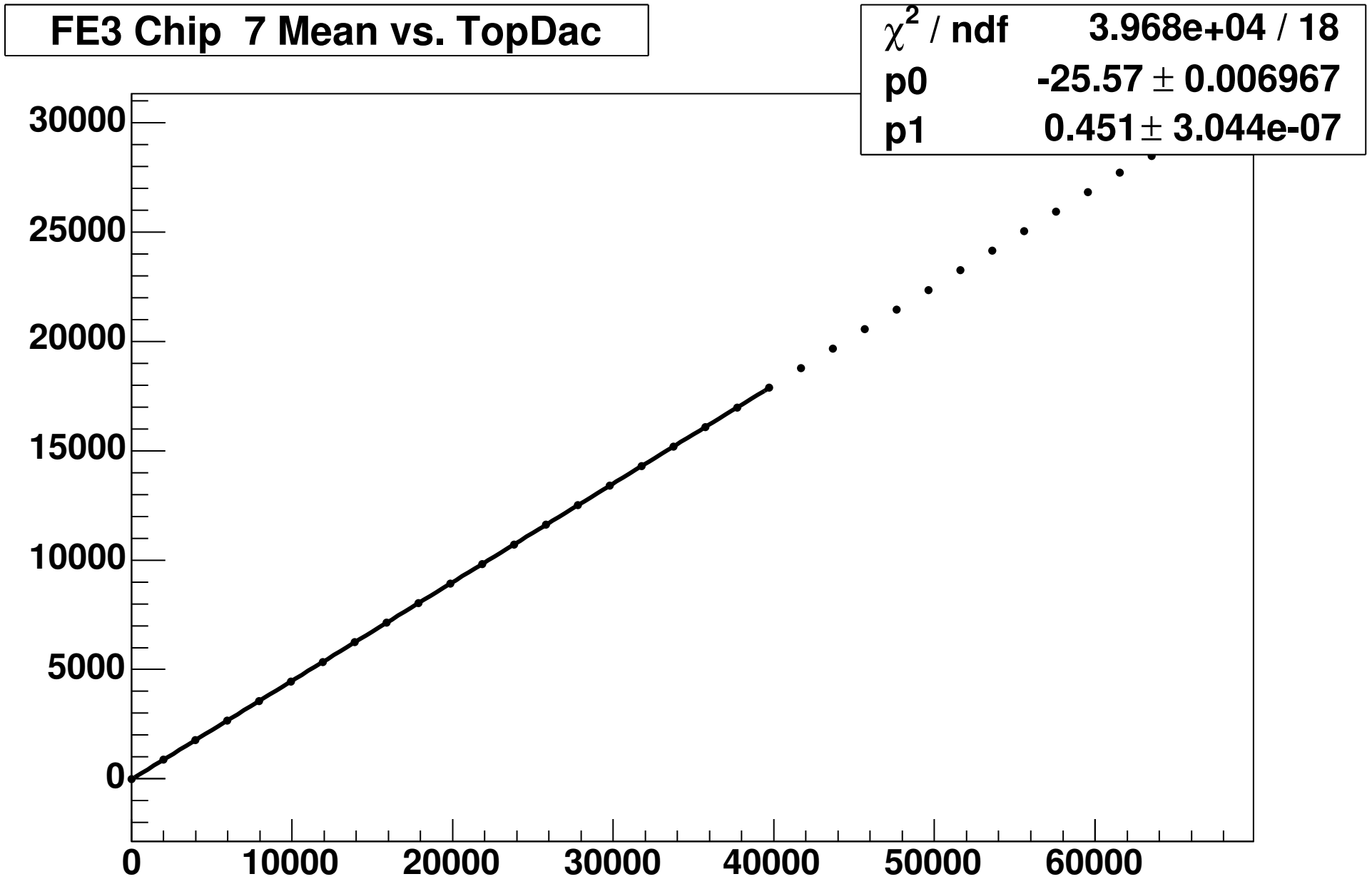
40000
50000
60000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 4.535e+04 / 18
p0 -29.35 ± 0.007024
p1 0.451 ± 3.074e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 611.3 / 18
p0 1.346 ± 0.003653
p1 1.975e-05 ± 3.751e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Mean vs. BotDac
χ^2 / ndf 413 / 18
p0 -23.89 ± 0.00699
p1 2.066e-06 ± 2.939e-07
-23.7
-23.75
-23.8
-23.85
-23.9
-23.95
-24
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 28.31 / 18
p0 1.414 ± 0.002383
p1 -3.331e-13 ± 1.049e-05
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 3.968e+04 / 18
p0 -25.57 ± 0.006967
p1 0.451 ± 3.044e-07
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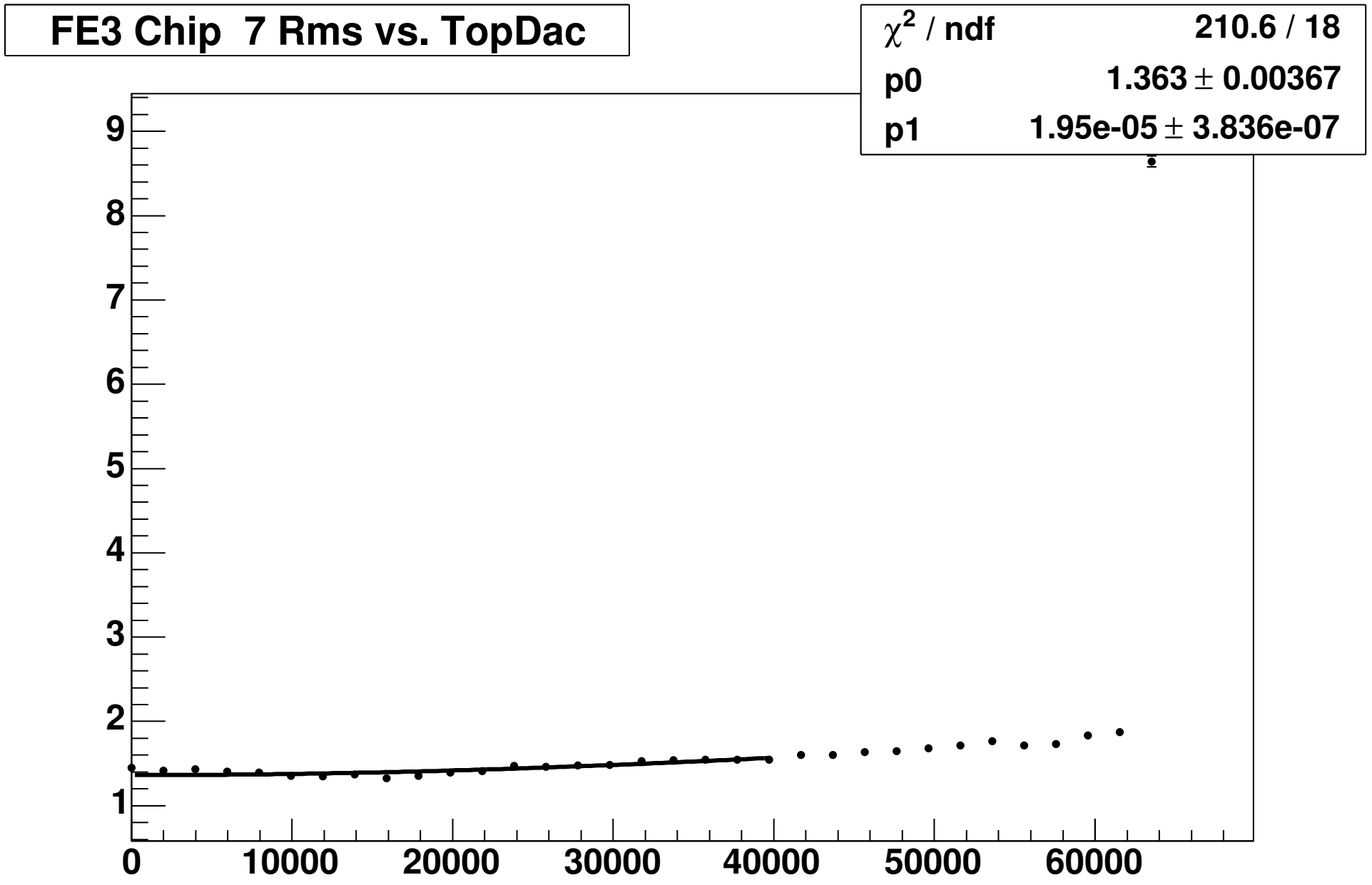
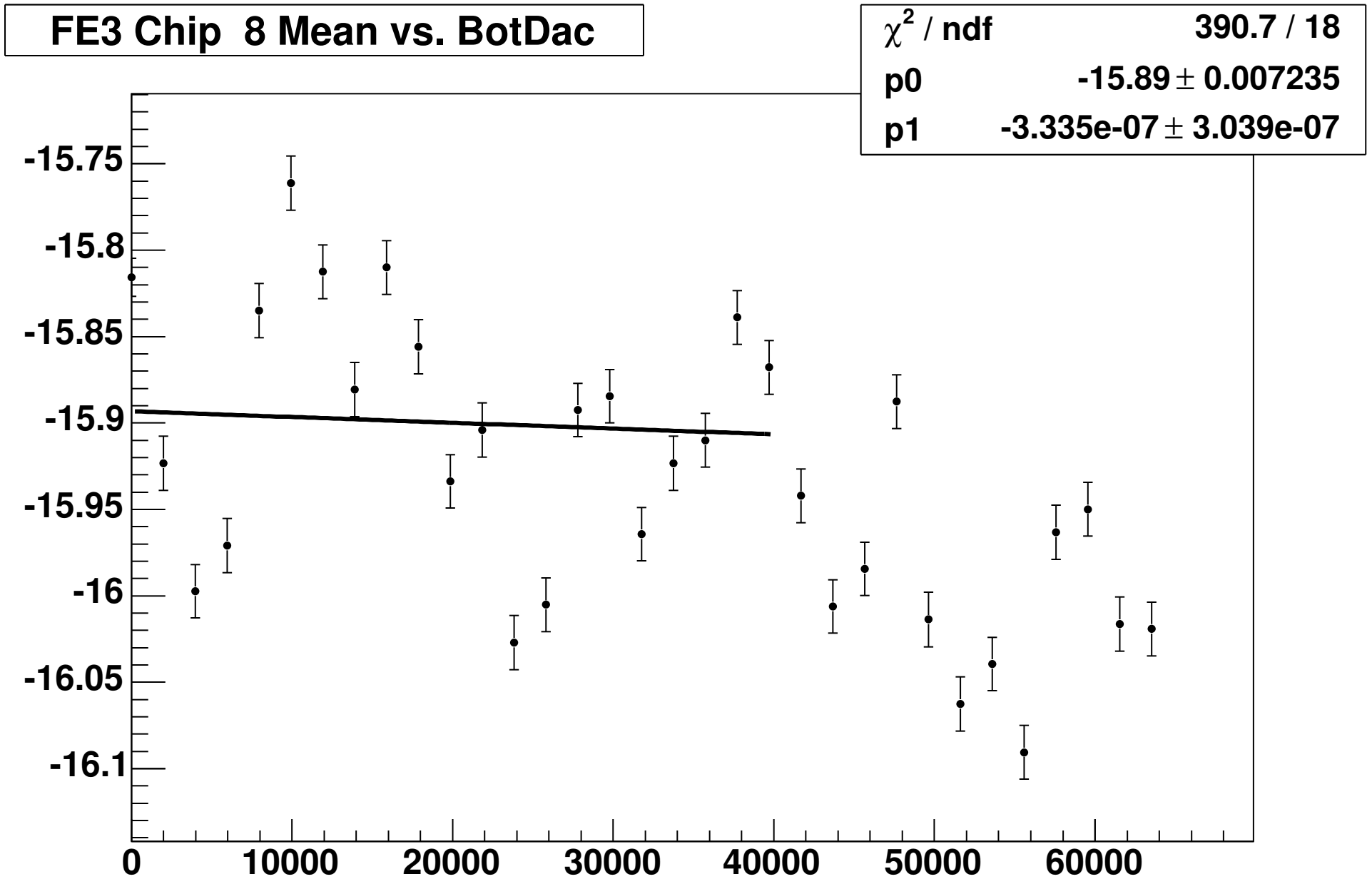
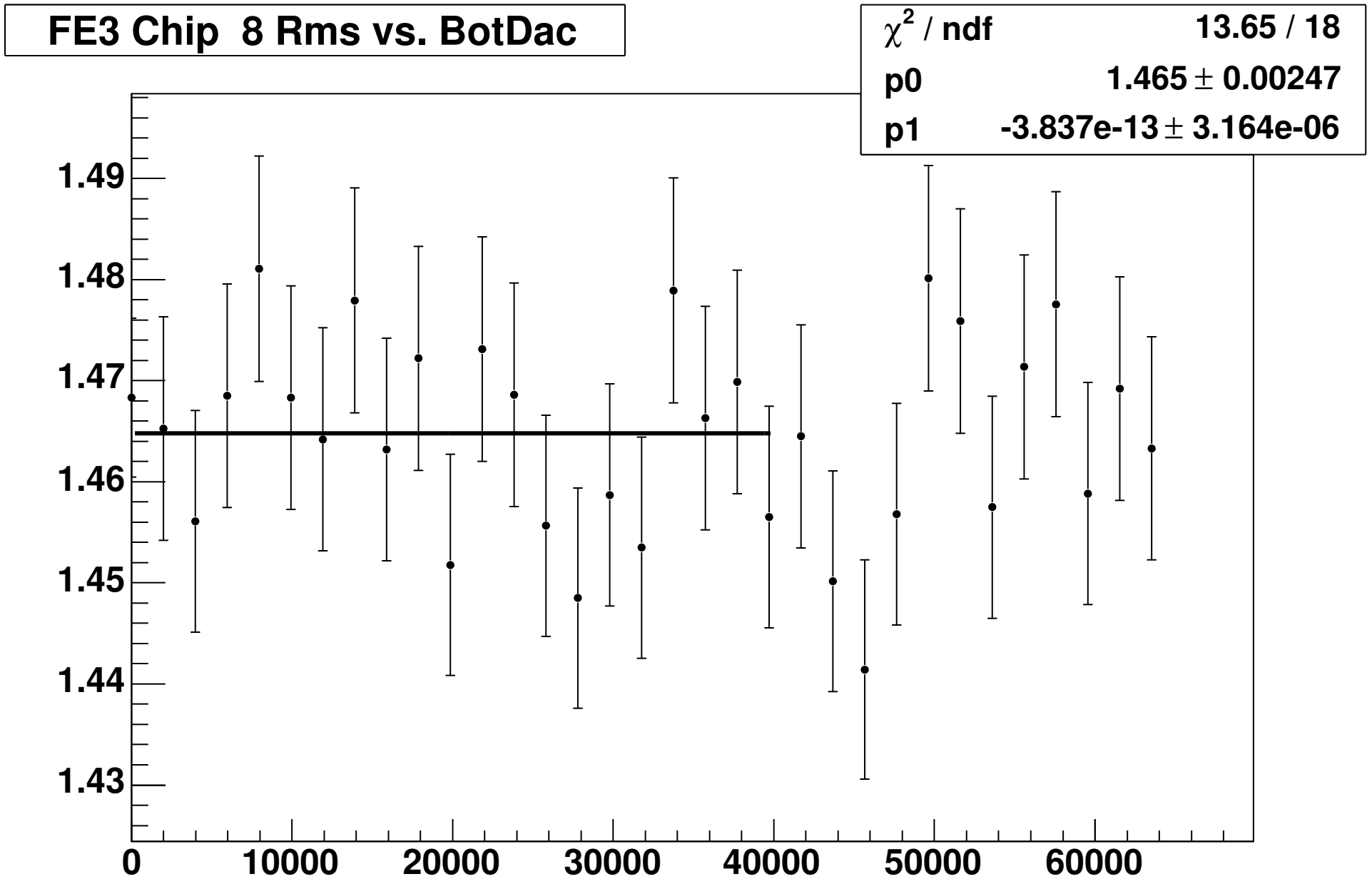
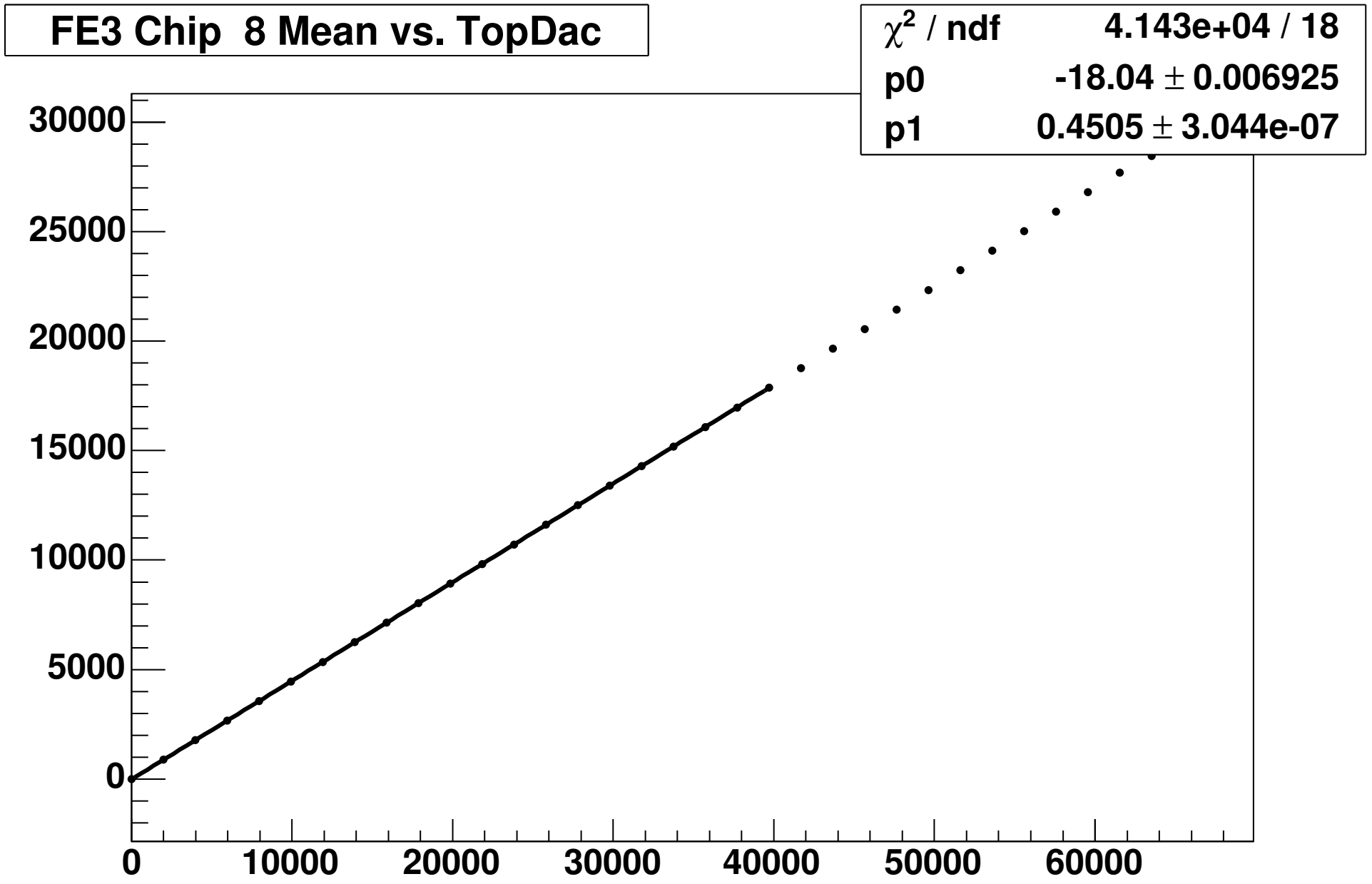
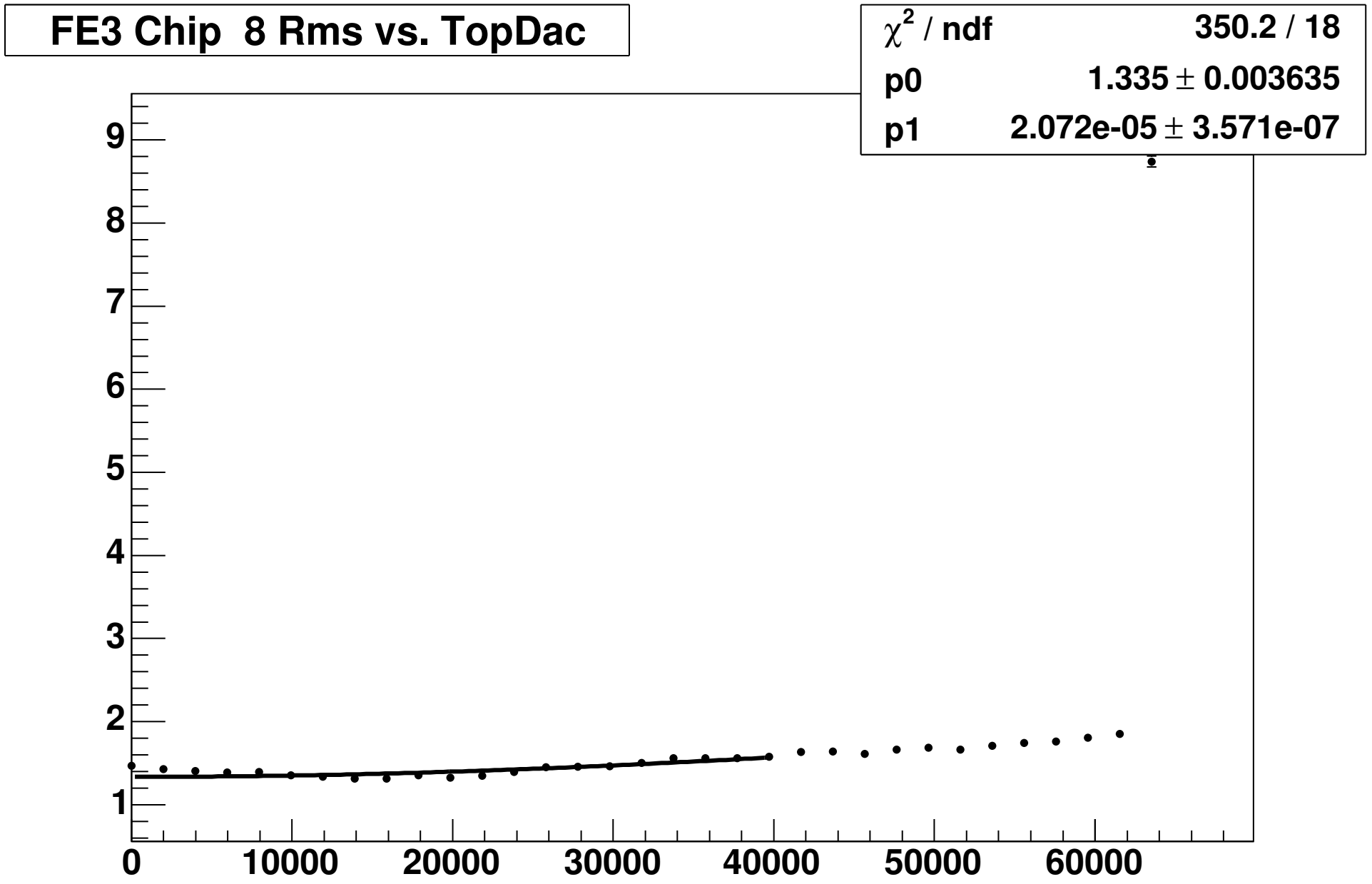
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

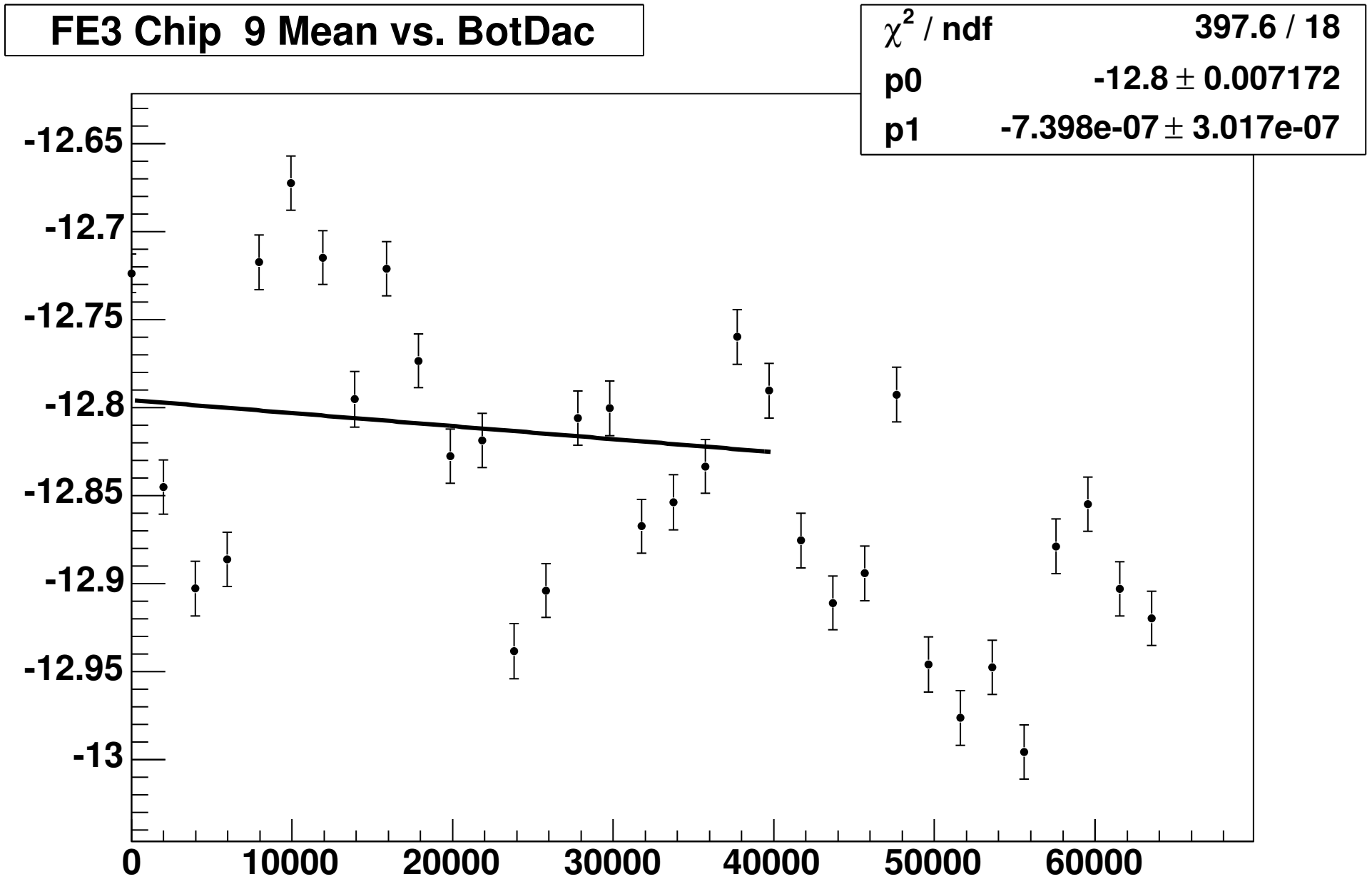

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 210.6 / 18
p0 1.363 ± 0.00367
p1 1.95e-05 ± 3.836e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

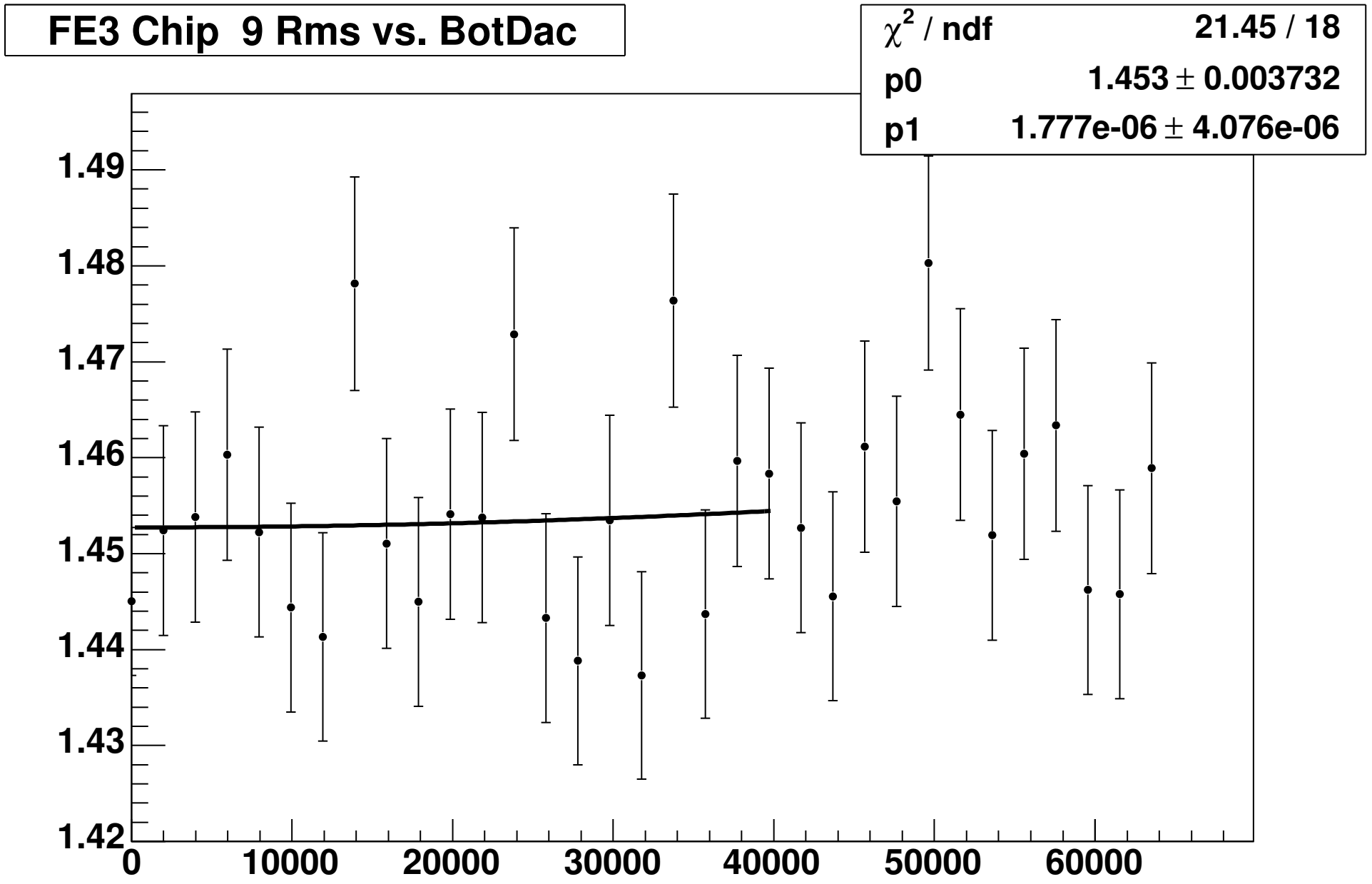

FE3 Chip 8 Mean vs. BotDac
χ^2 / ndf 390.7 / 18
p0 -15.89 ± 0.007235
p1 -3.335e-07 ± 3.039e-07
-15.75
-15.8
-15.85
-15.9
-15.95
-16
-16.05
-16.1
0
10000
20000
30000
40000
50000
60000

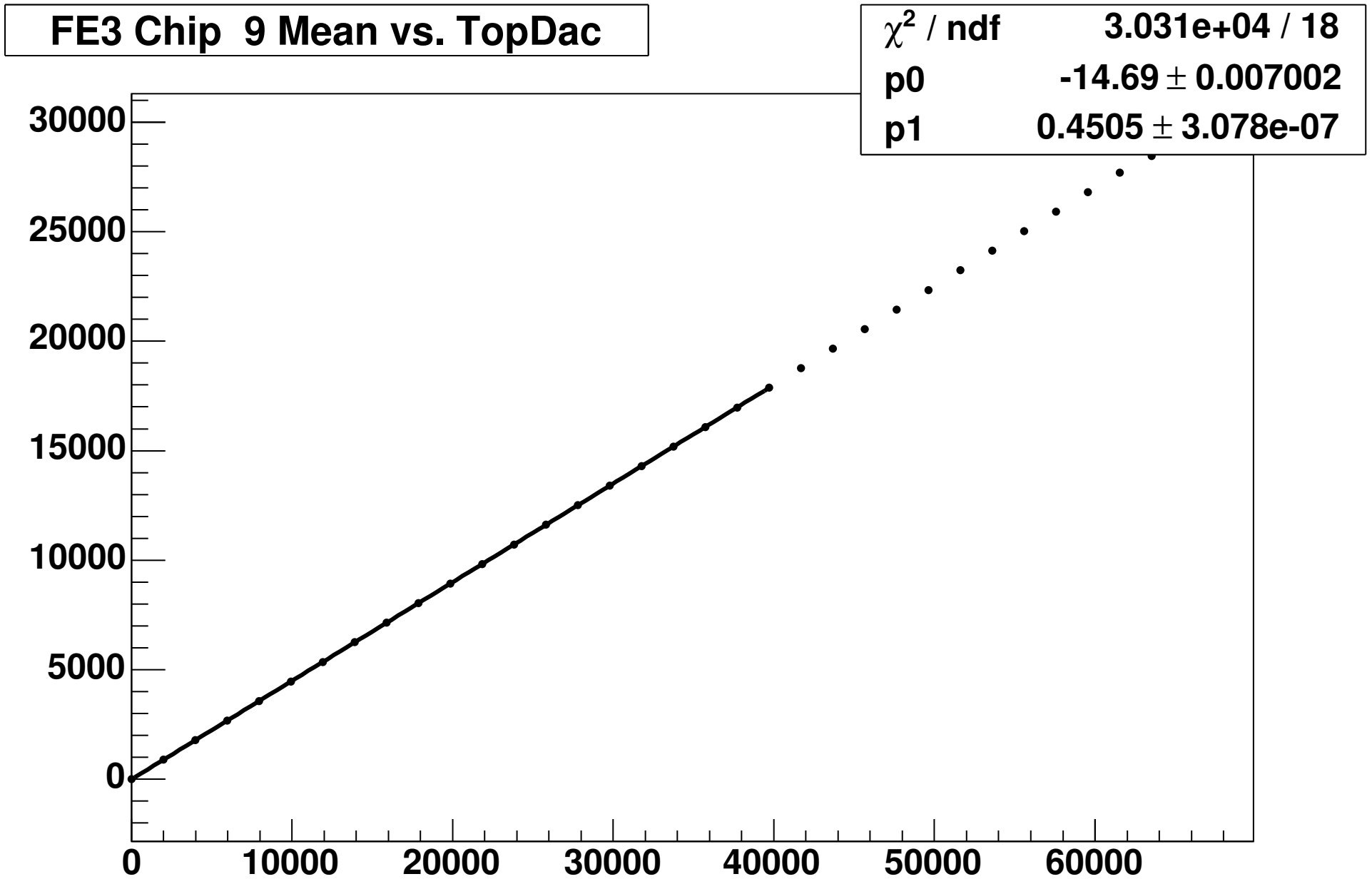

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 13.65 / 18
p0 1.465 ± 0.00247
p1 -3.837e-13 ± 3.164e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

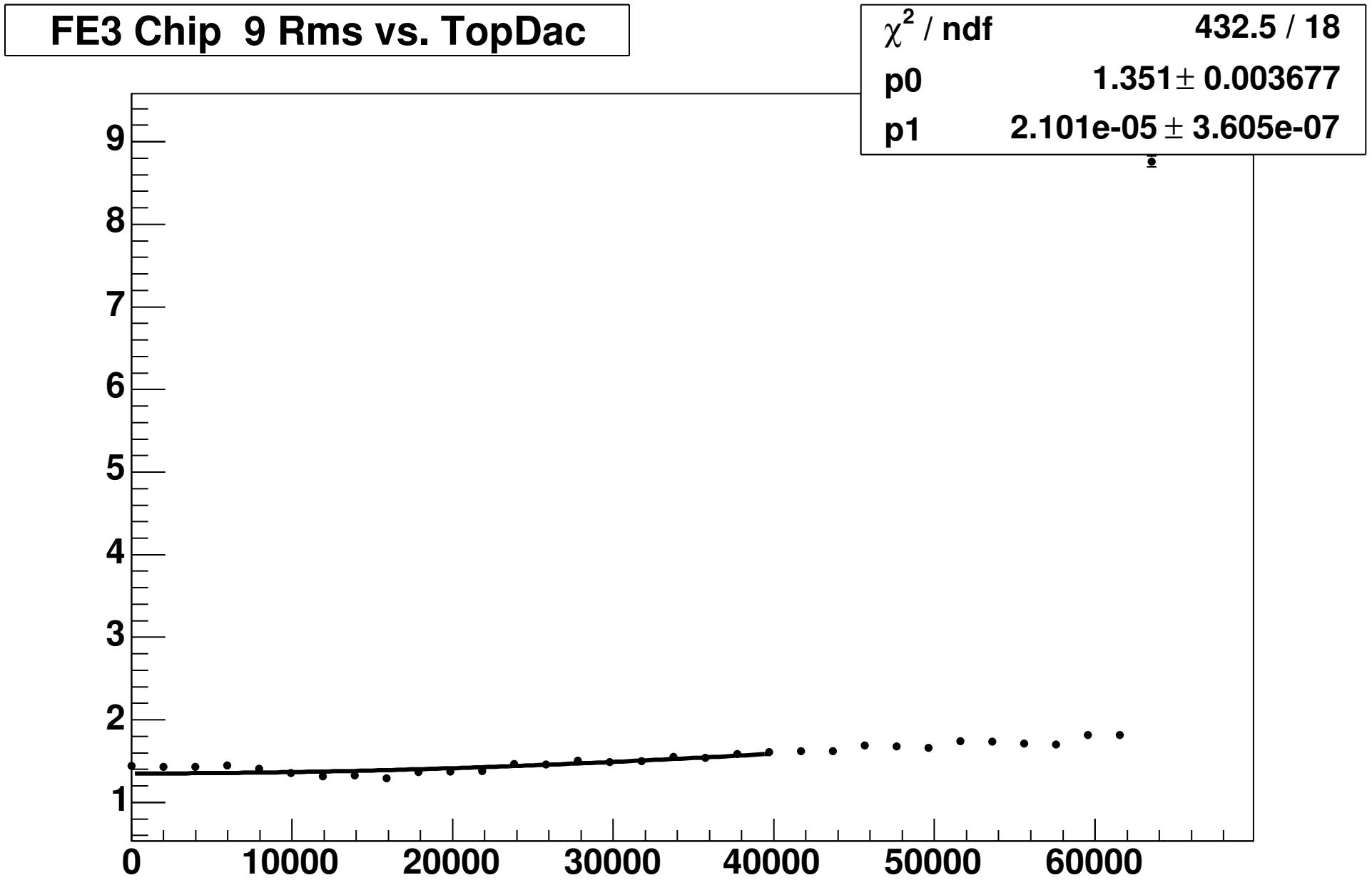

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 4.143e+04 / 18
p0 -18.04 ± 0.006925
p1 0.4505 ± 3.044e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

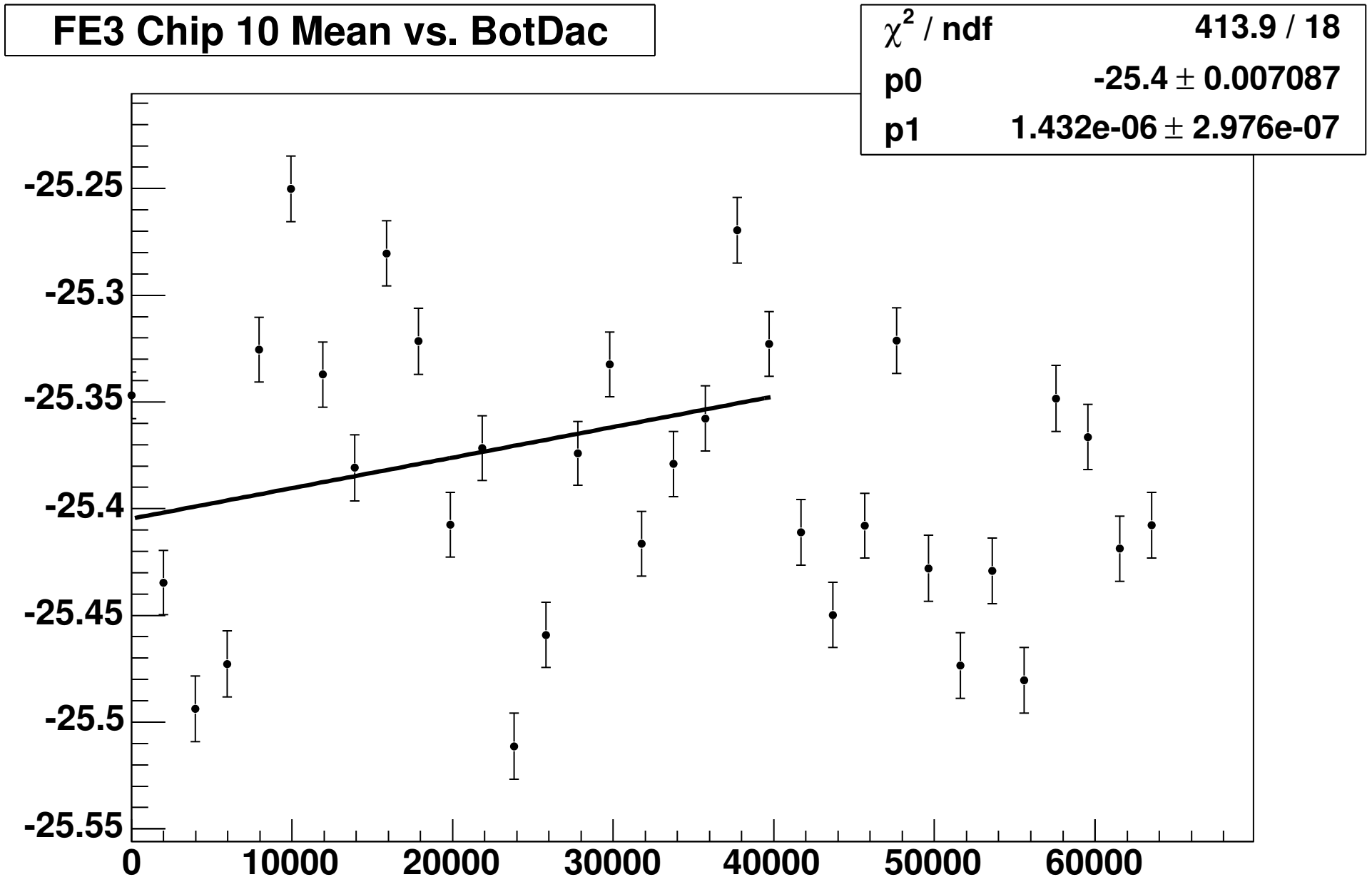

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 350.2 / 18
p0 1.335 ± 0.003635
p1 2.072e-05 ± 3.571e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

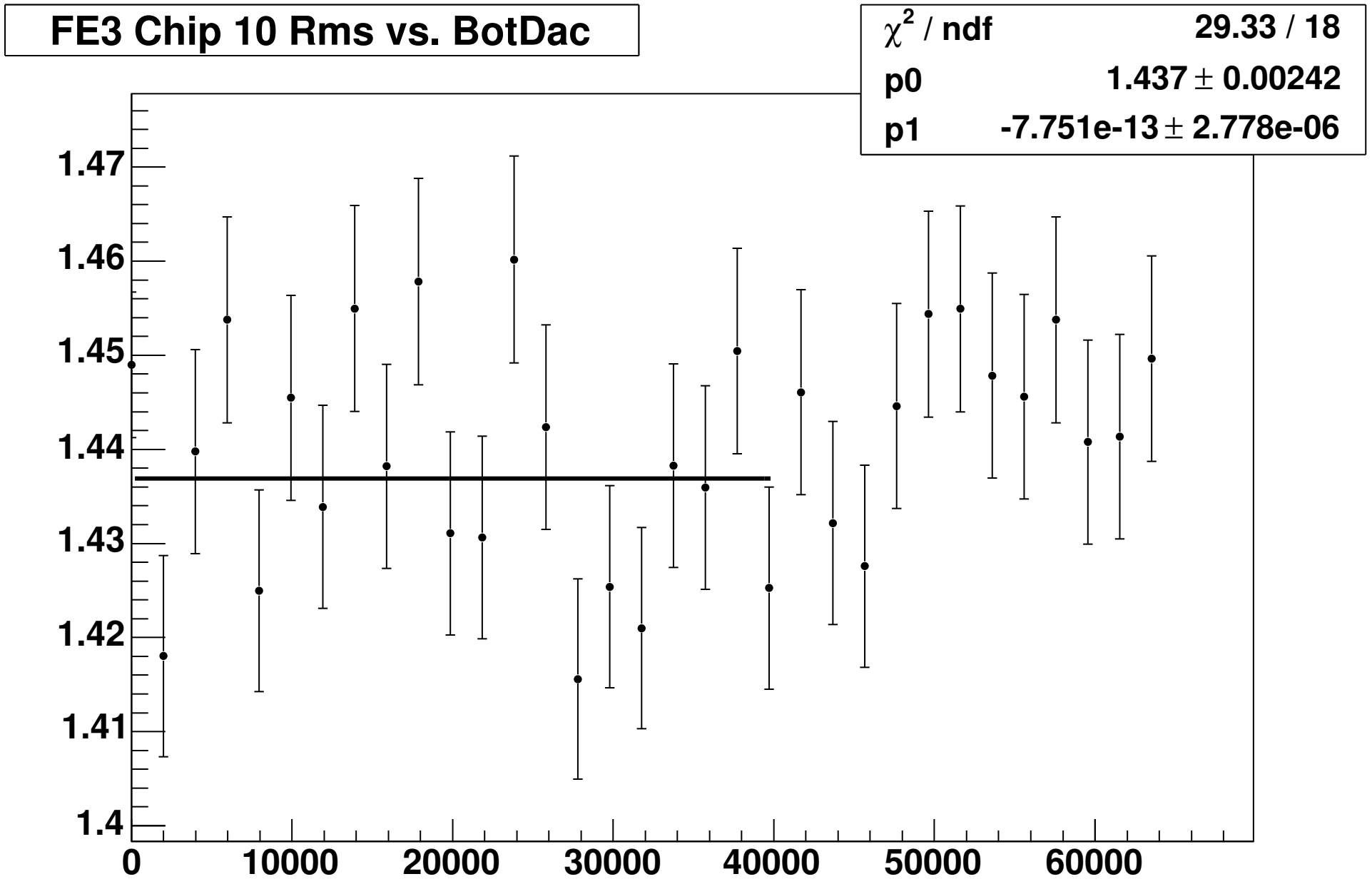

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 397.6 / 18
p0 -12.8 ± 0.007172
p1 -7.398e-07 ± 3.017e-07
-12.65
-12.7
-12.75
-12.8
-12.85
-12.9
-12.95
-13
0
10000
20000
30000
40000
50000
60000

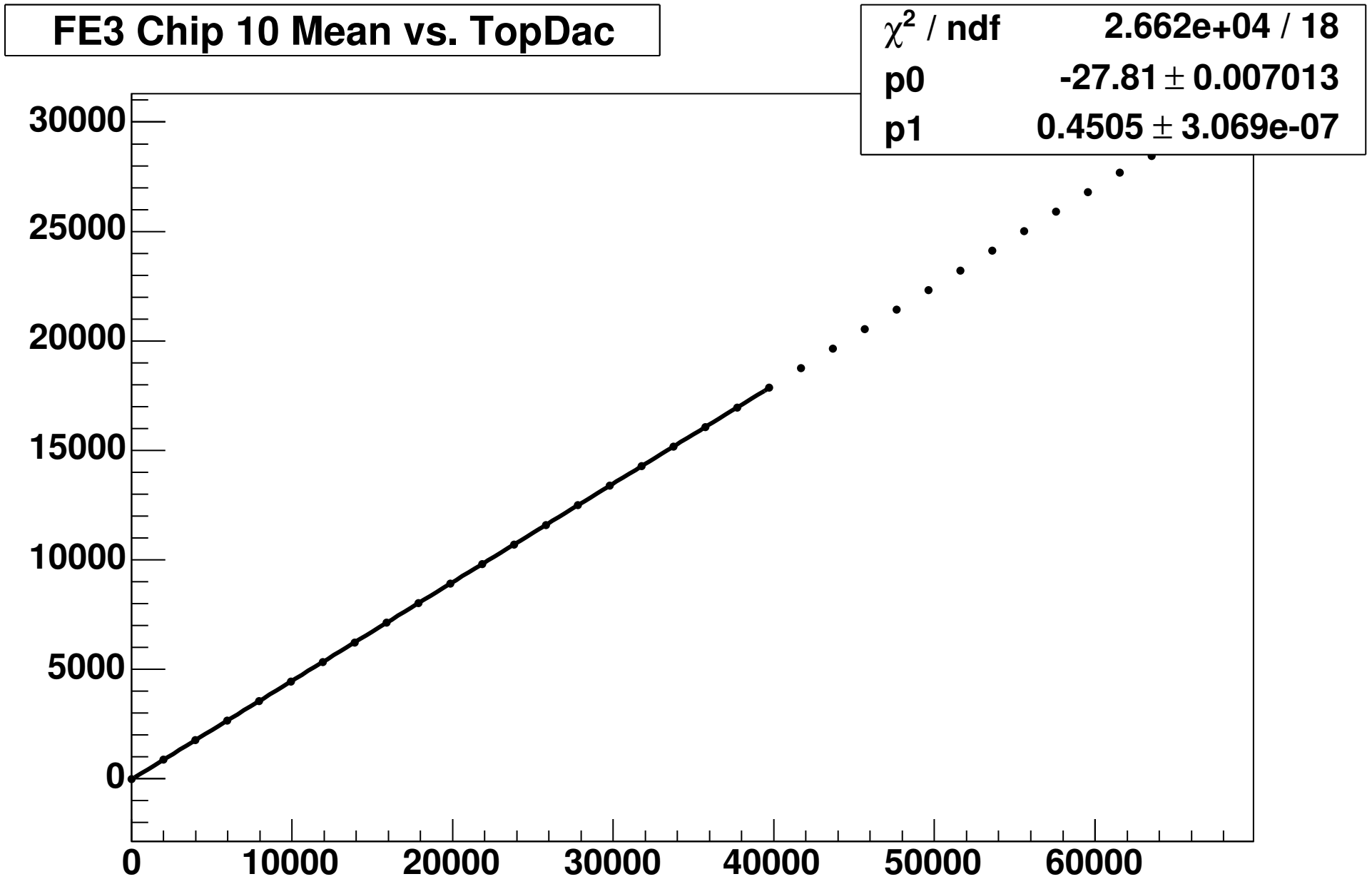

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 21.45 / 18
p0 1.453 ± 0.003732
p1 1.777e-06 ± 4.076e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 3.031e+04 / 18
p0 -14.69 ± 0.007002
p1 0.4505 ± 3.078e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 432.5 / 18
p0 1.351 ± 0.003677
p1 2.101e-05 ± 3.605e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 413.9 / 18
p0 -25.4 ± 0.007087
p1 1.432e-06 ± 2.976e-07
-25.25
-25.3
-25.35
-25.4
-25.45
-25.5
-25.55
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 29.33 / 18
p0 1.437 ± 0.00242
p1 -7.751e-13 ± 2.778e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.662e+04 / 18
p0 -27.81 ± 0.007013
p1 0.4505 ± 3.069e-07
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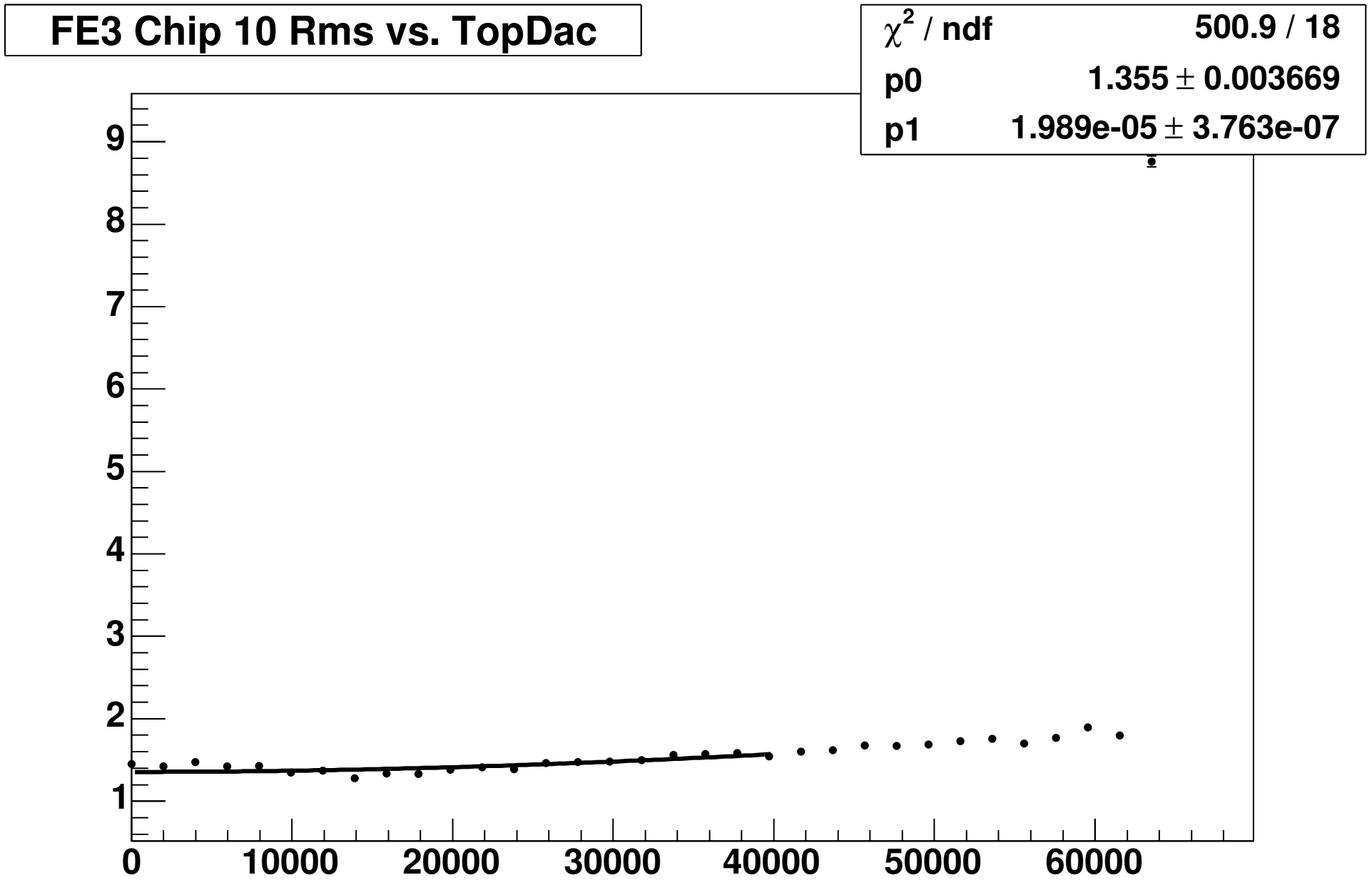
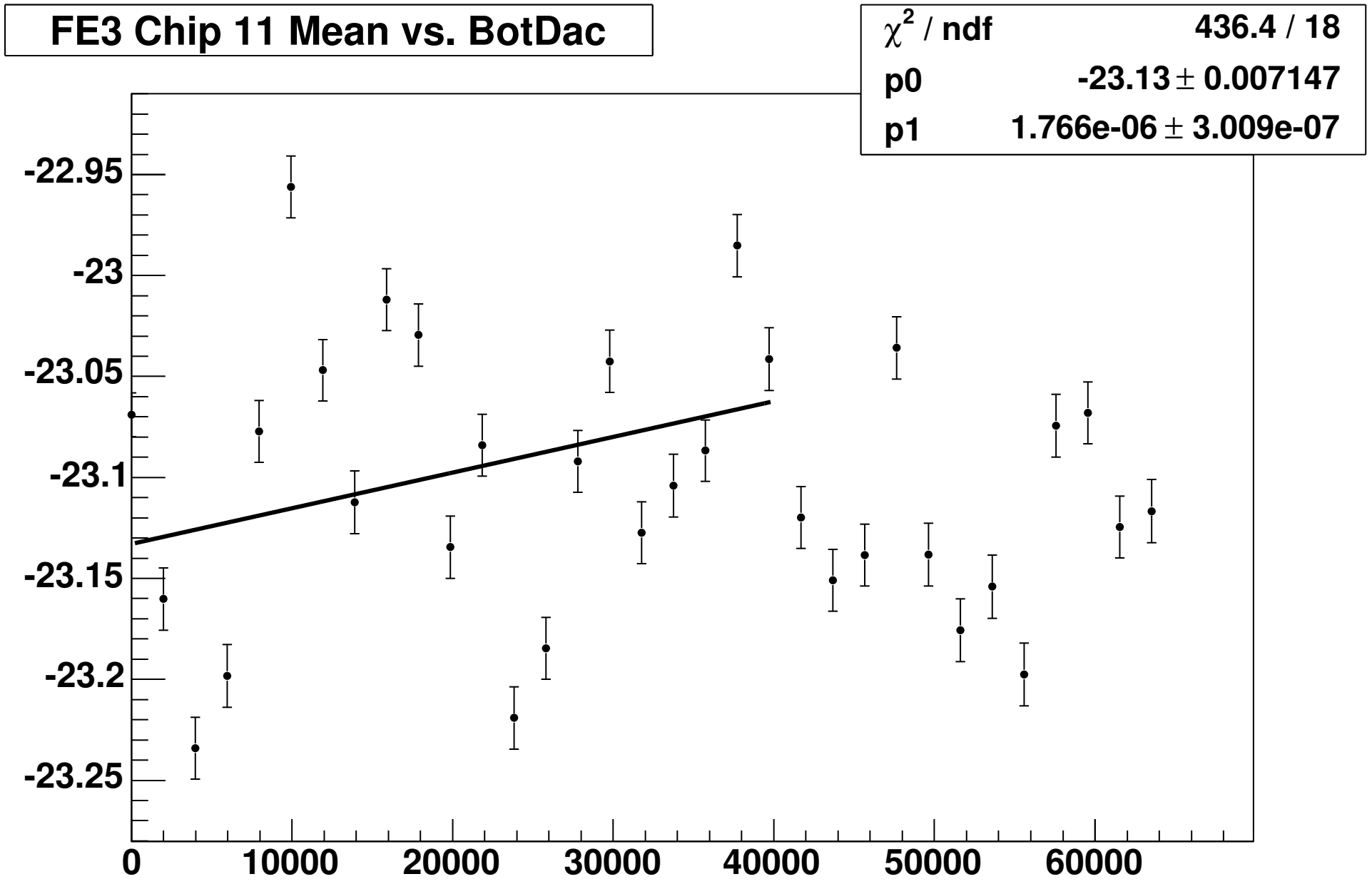
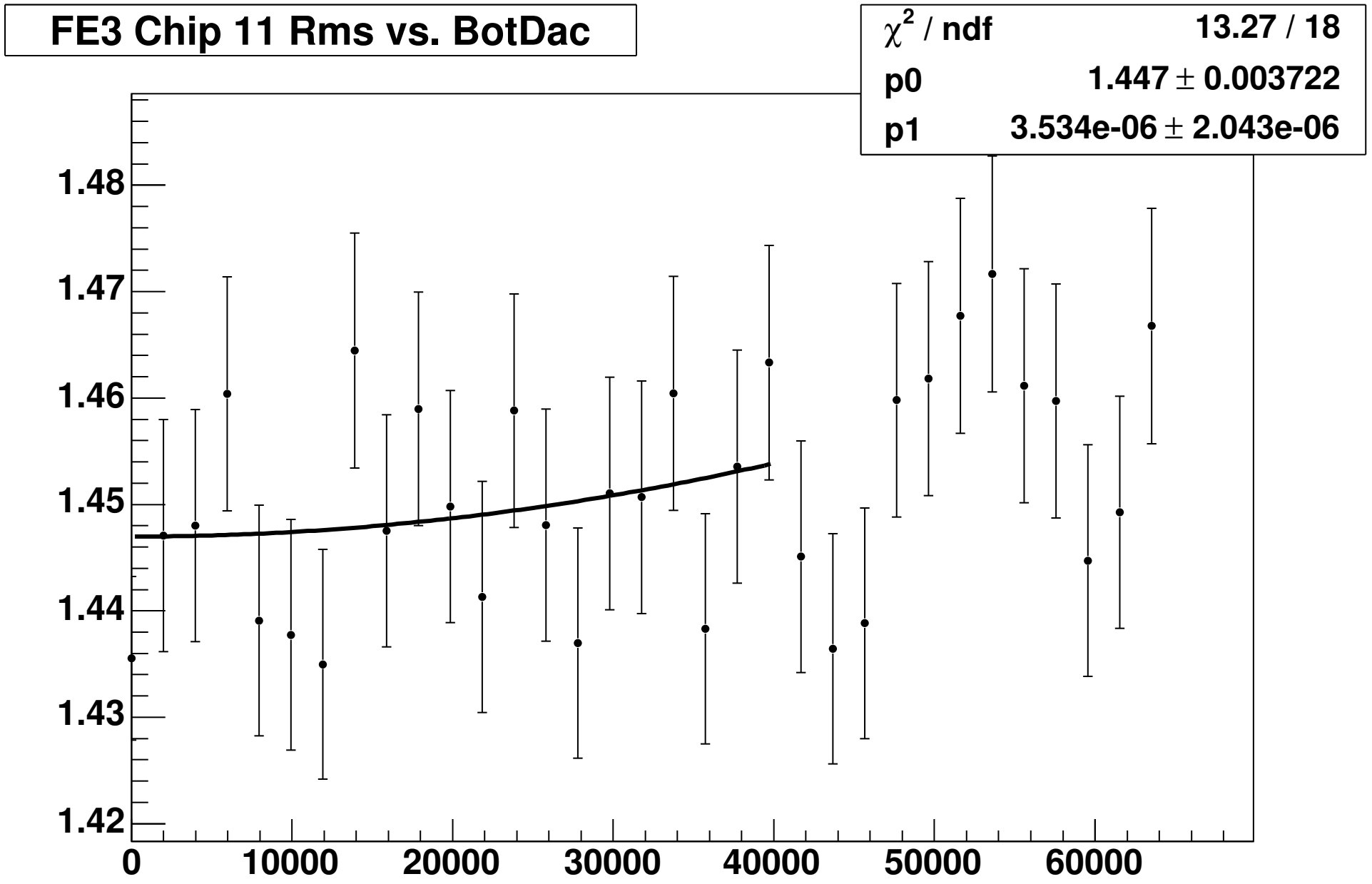
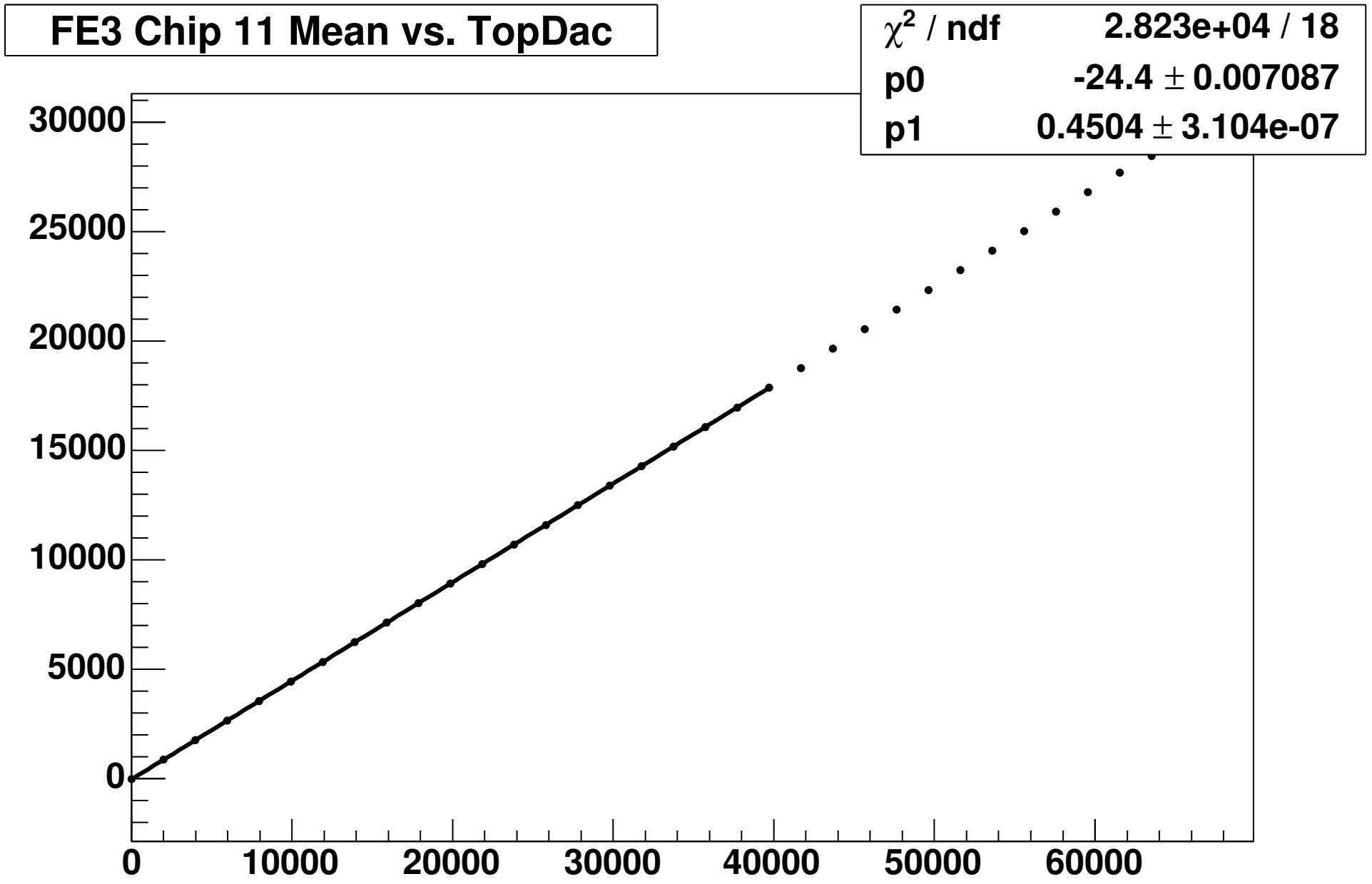
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 500.9 / 18
p0 1.355 ± 0.003669
p1 1.989e-05 ± 3.763e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Mean vs. BotDac
χ^2 / ndf 436.4 / 18
p0 -23.13 ± 0.007147
p1 1.766e-06 ± 3.009e-07
-22.95
-23
-23.05
-23.1
-23.15
-23.2
-23.25
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 13.27 / 18
p0 1.447 ± 0.003722
p1 3.534e-06 ± 2.043e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 2.823e+04 / 18
p0 -24.4 ± 0.007087
p1 0.4504 ± 3.104e-07
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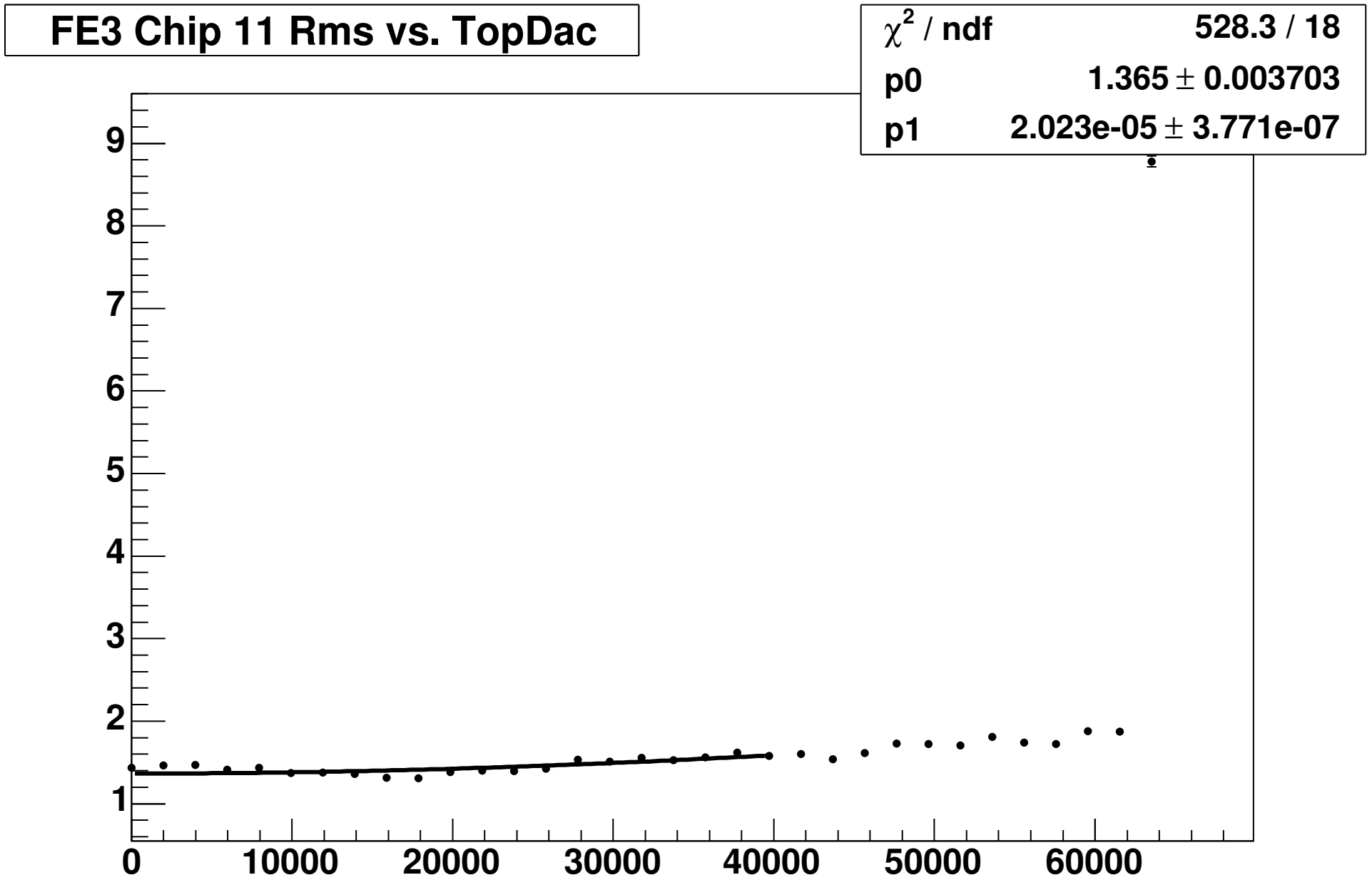
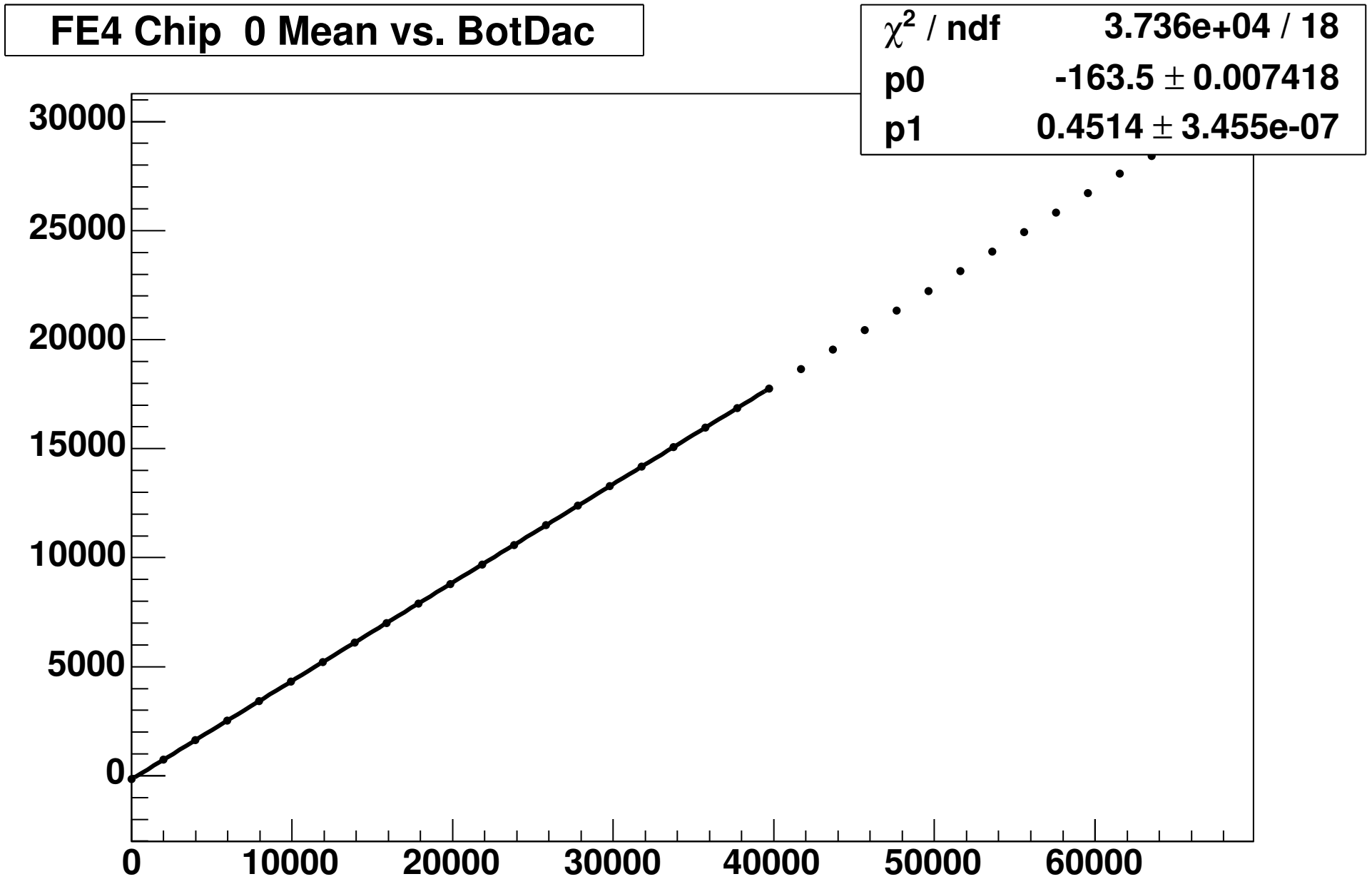
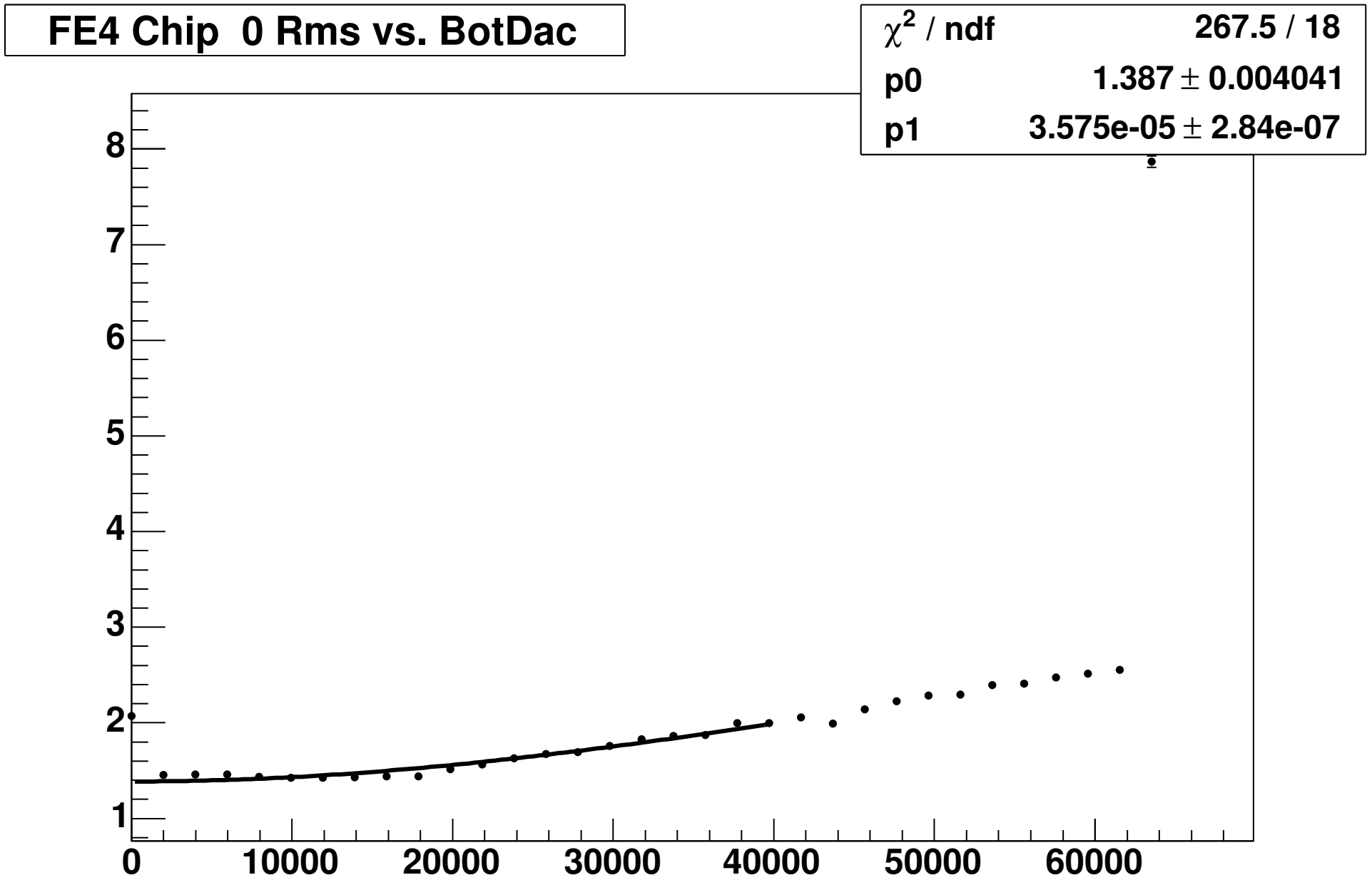
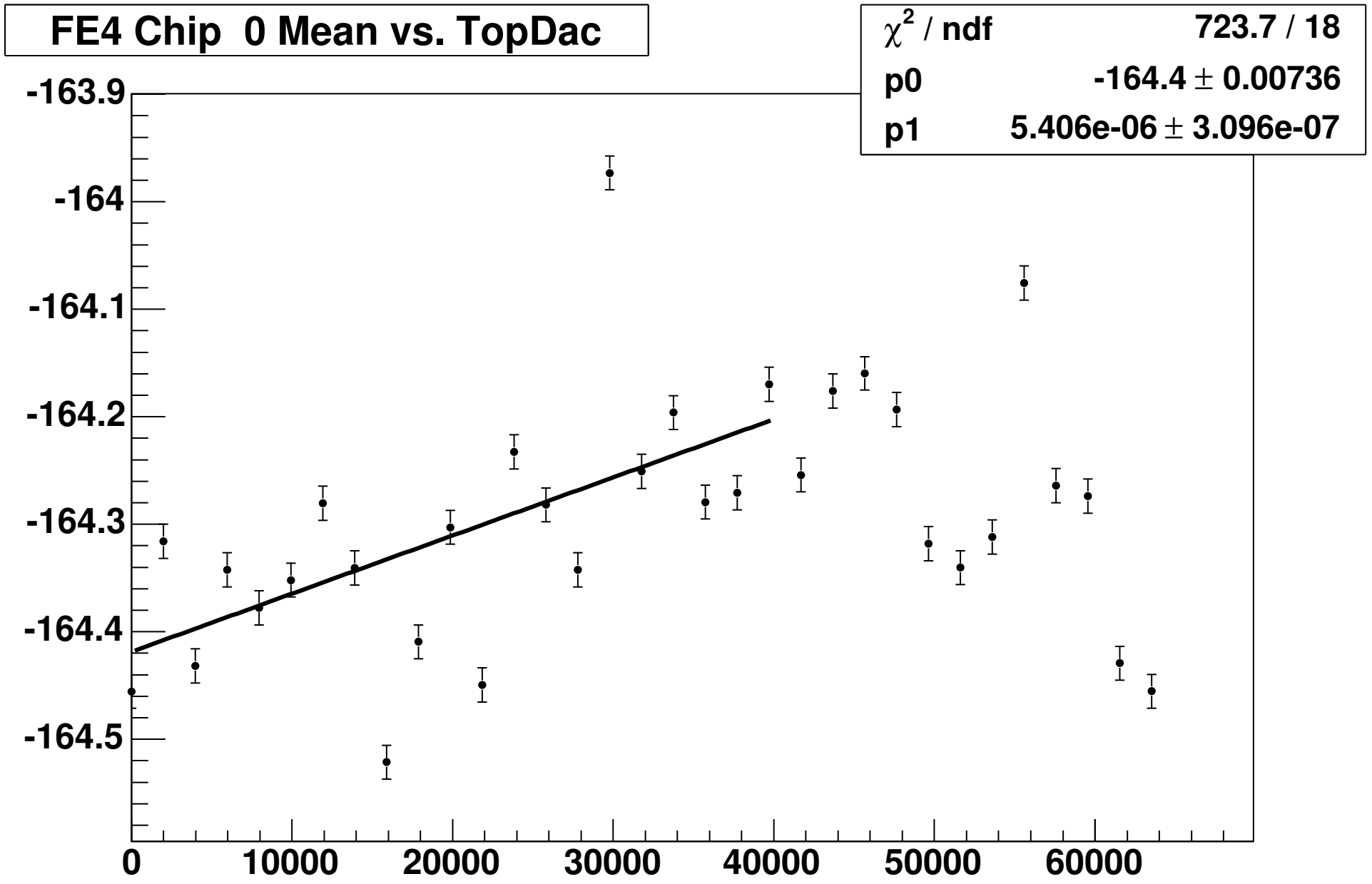
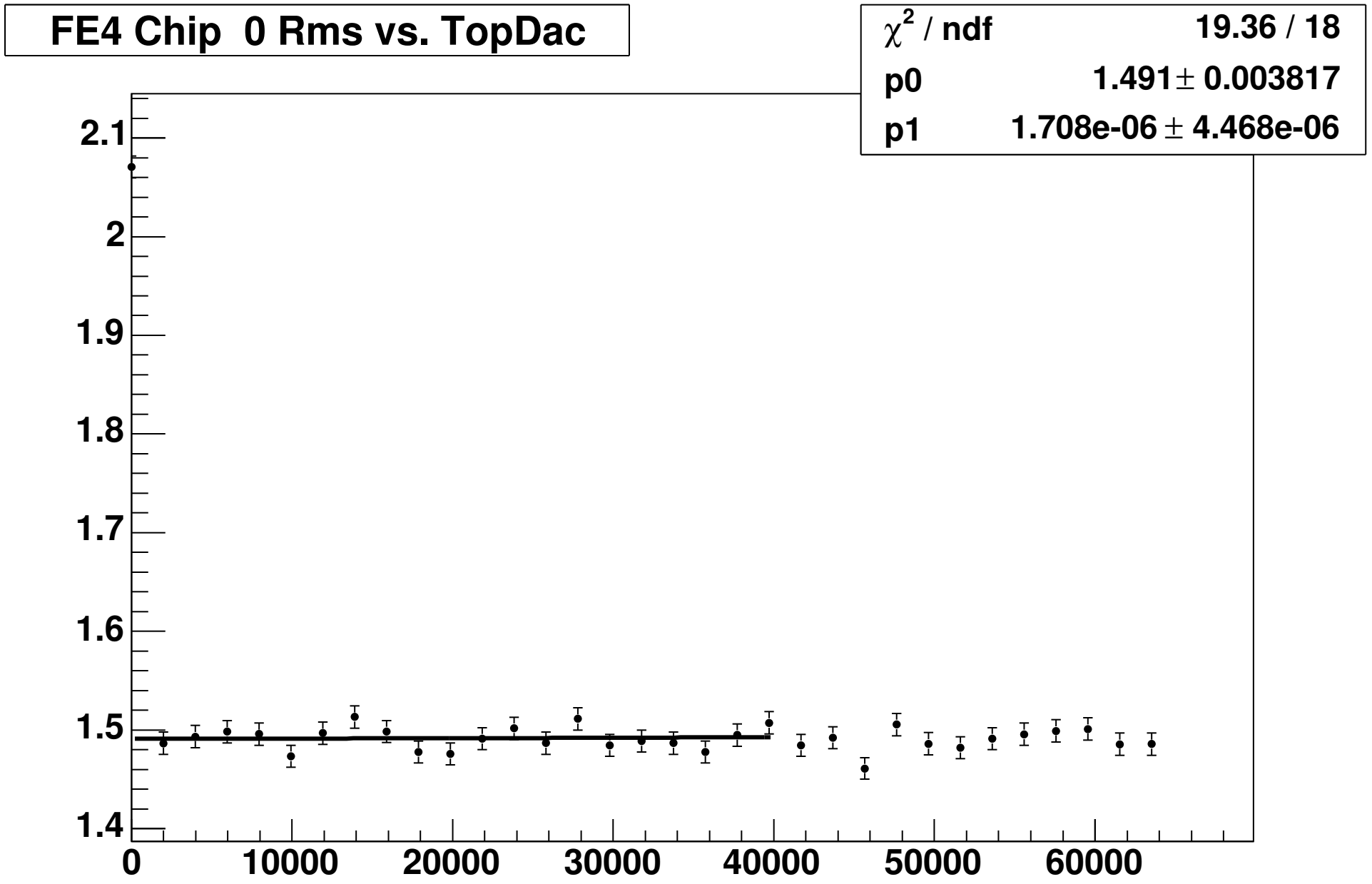
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

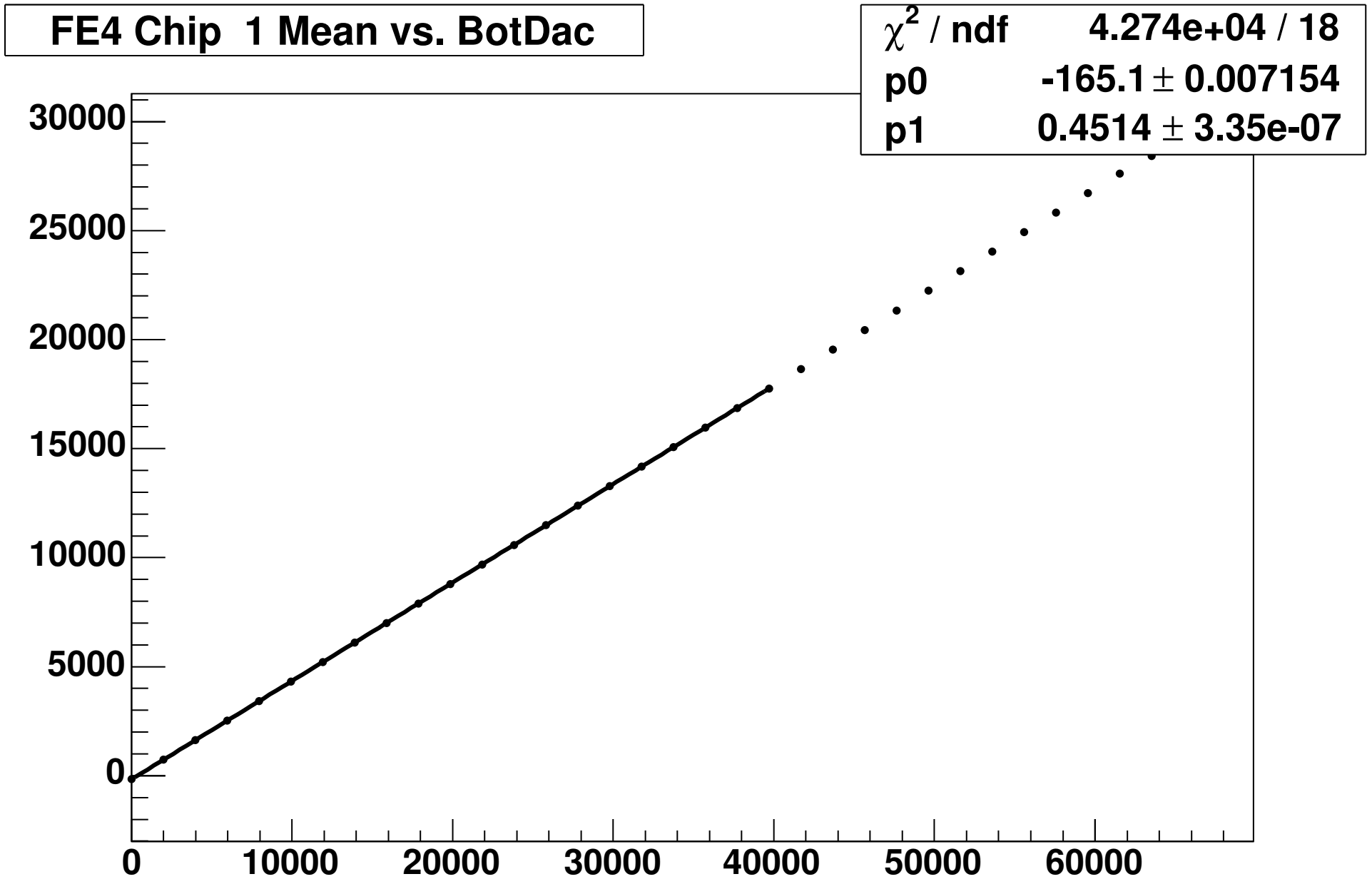

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 528.3 / 18
p0 1.365 ± 0.003703
p1 2.023e-05 ± 3.771e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

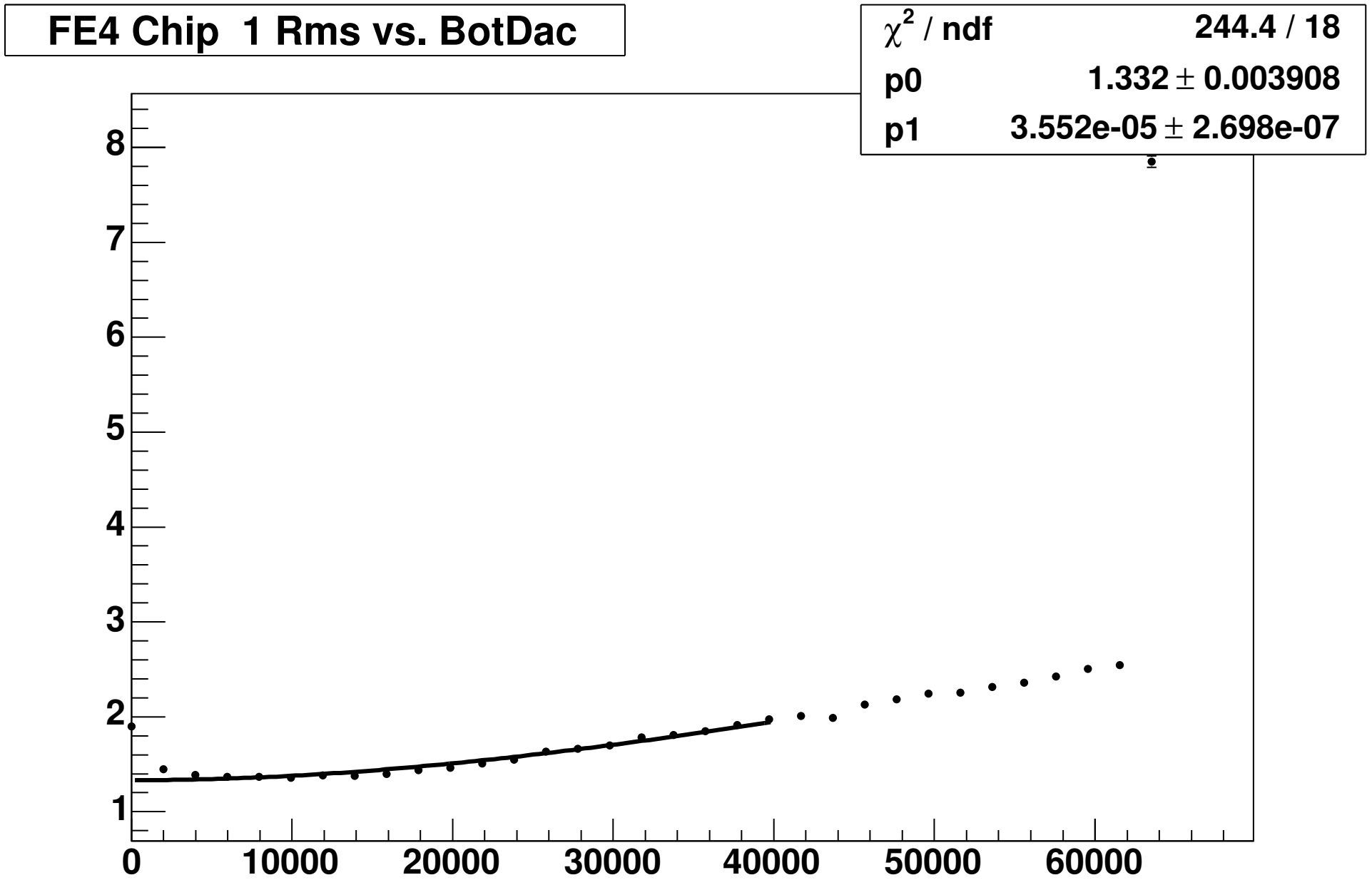

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 3.736e+04 / 18
p0 -163.5 ± 0.007418
p1 0.4514 ± 3.455e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 267.5 / 18
p0 1.387 ± 0.004041
p1 3.575e-05 ± 2.84e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 723.7 / 18
p0 -164.4 ± 0.00736
p1 5.406e-06 ± 3.096e-07
-163.9
-164
-164.1
-164.2
-164.3
-164.4
-164.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 19.36 / 18
p0 1.491 ± 0.003817
p1 1.708e-06 ± 4.468e-06
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 4.274e+04 / 18
p0 -165.1 ± 0.007154
p1 0.4514 ± 3.35e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 244.4 / 18
p0 1.332 ± 0.003908
p1 3.552e-05 ± 2.698e-07
8
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6
5
4
3
2
1
0
10000
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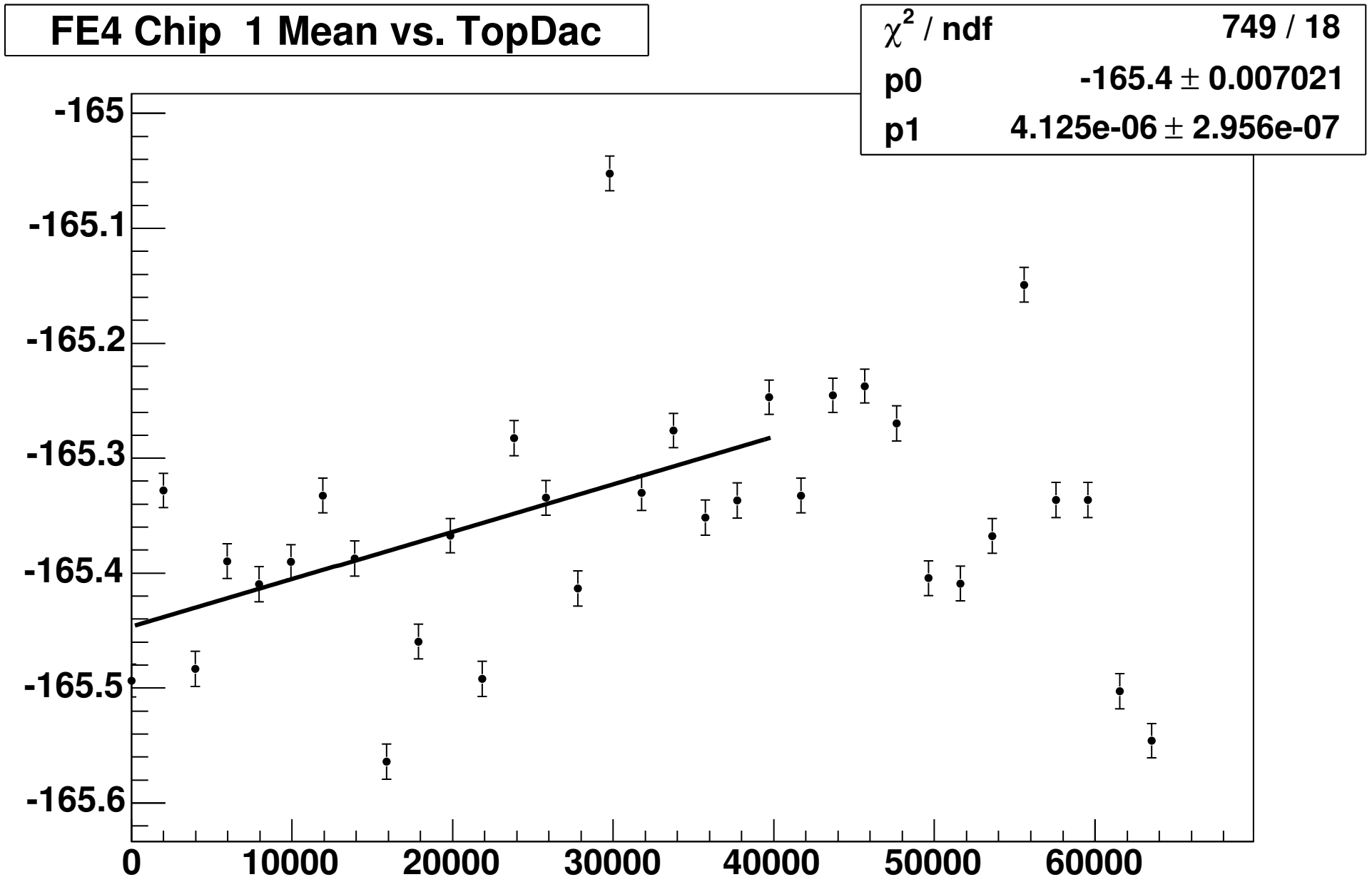
60000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 749 / 18
p0 -165.4 ± 0.007021
p1 4.125e-06 ± 2.956e-07
-165
-165.1
-165.2
-165.3
-165.4
-165.5
-165.6
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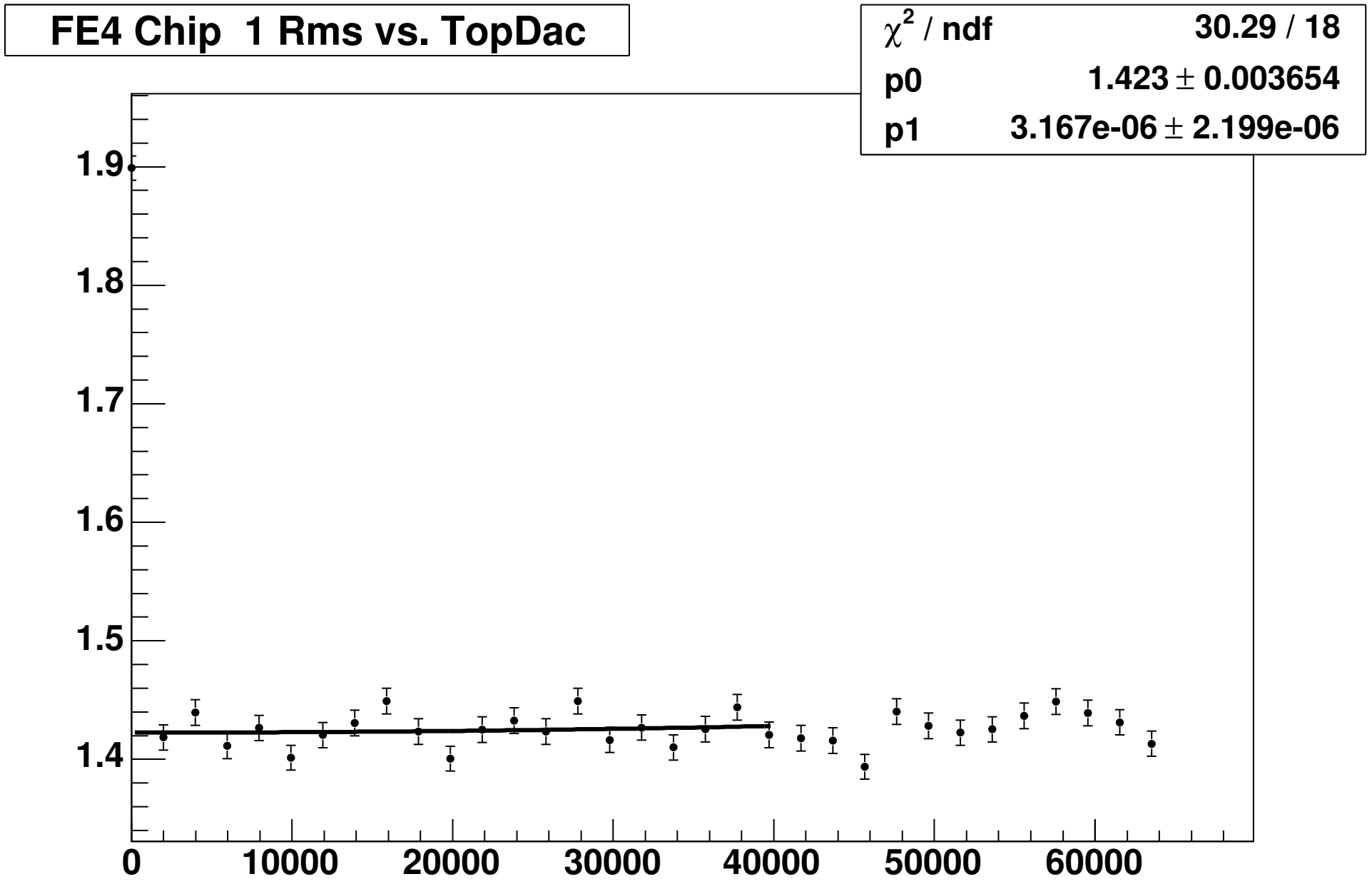
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 30.29 / 18
p0 1.423 ± 0.003654
p1 3.167e-06 ± 2.199e-06
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
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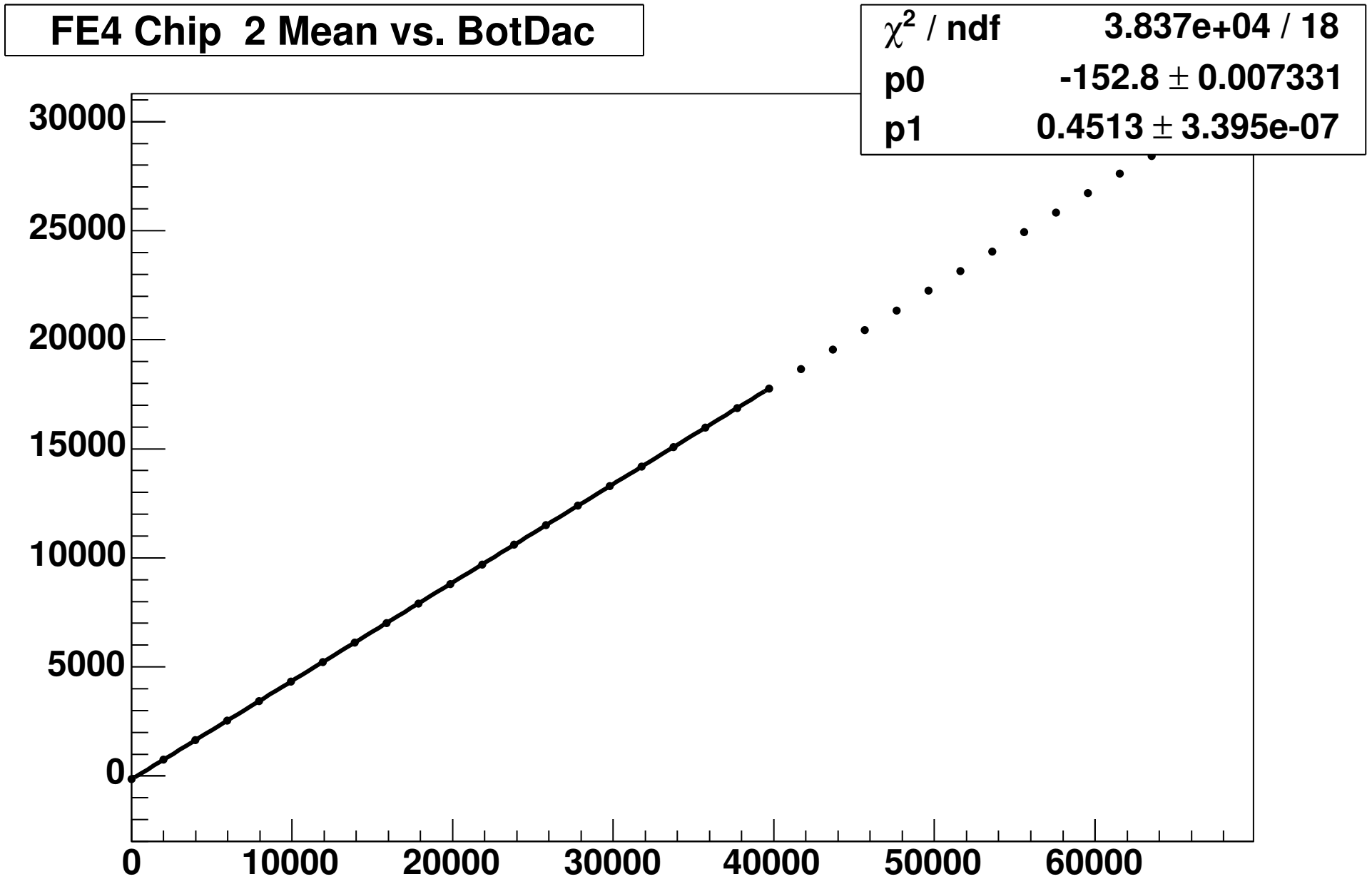
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 3.837e+04 / 18
p0 -152.8 ± 0.007331
p1 0.4513 ± 3.395e-07
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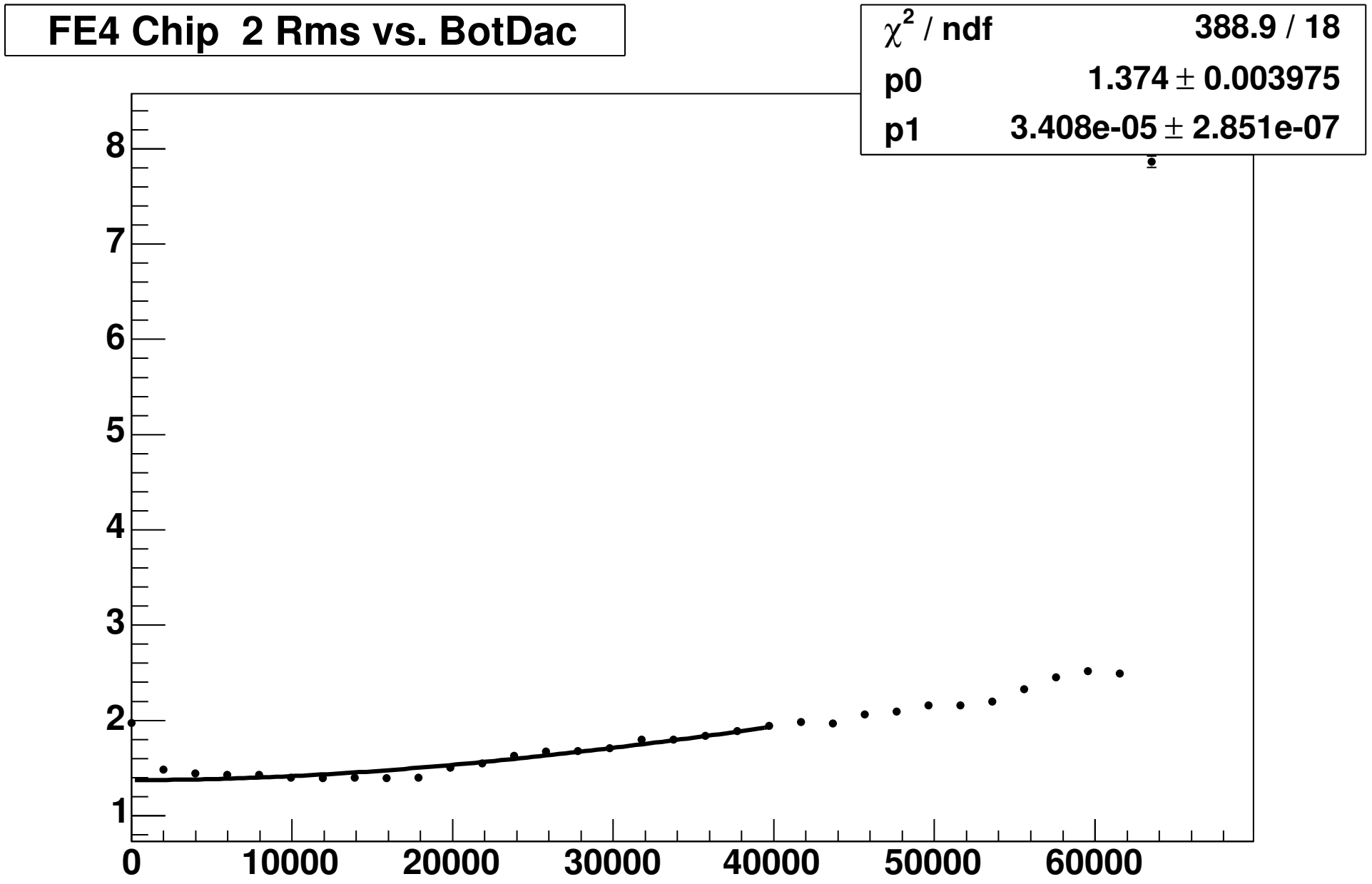
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 388.9 / 18
p0 1.374 ± 0.003975
p1 3.408e-05 ± 2.851e-07
8
7
6
5
4
3
2
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0
10000
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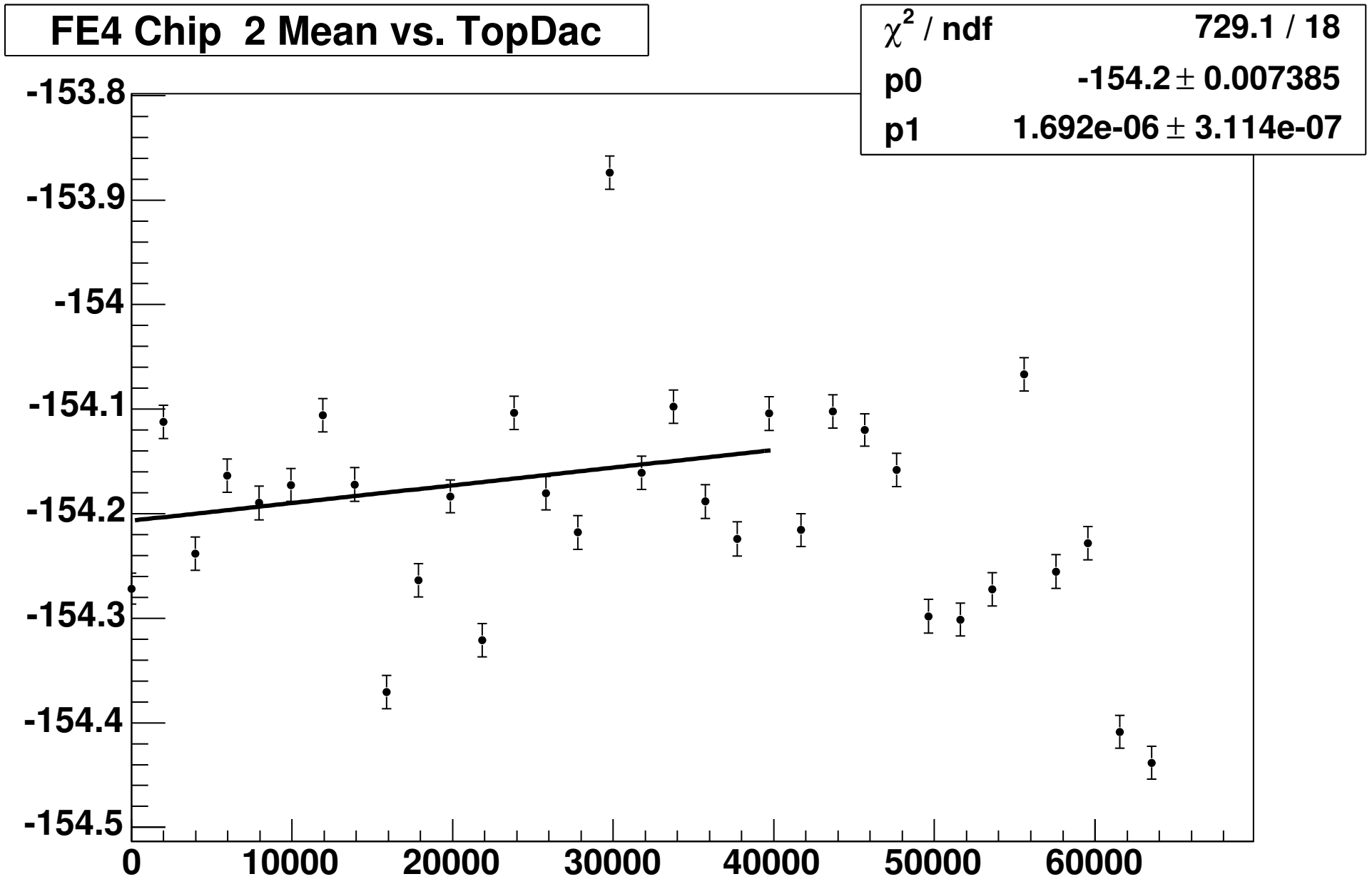
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 729.1 / 18
p0 -154.2 ± 0.007385
p1 1.692e-06 ± 3.114e-07
-153.8
-153.9
-154
-154.1
-154.2
-154.3
-154.4
-154.5
0
10000
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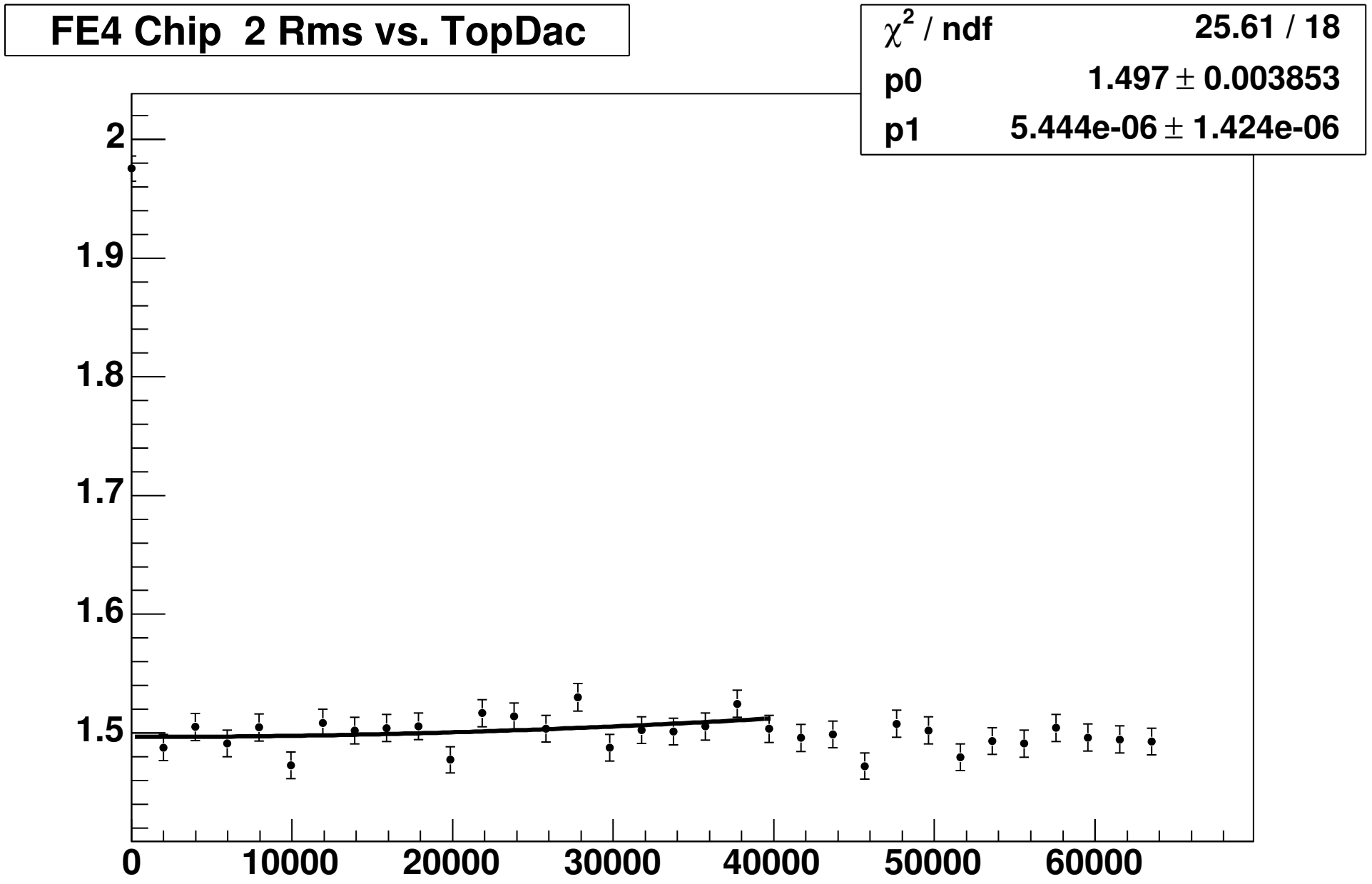
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 25.61 / 18
p0 1.497 ± 0.003853
p1 5.444e-06 ± 1.424e-06
2
1.9
1.8
1.7
1.6
1.5
0
10000
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50000
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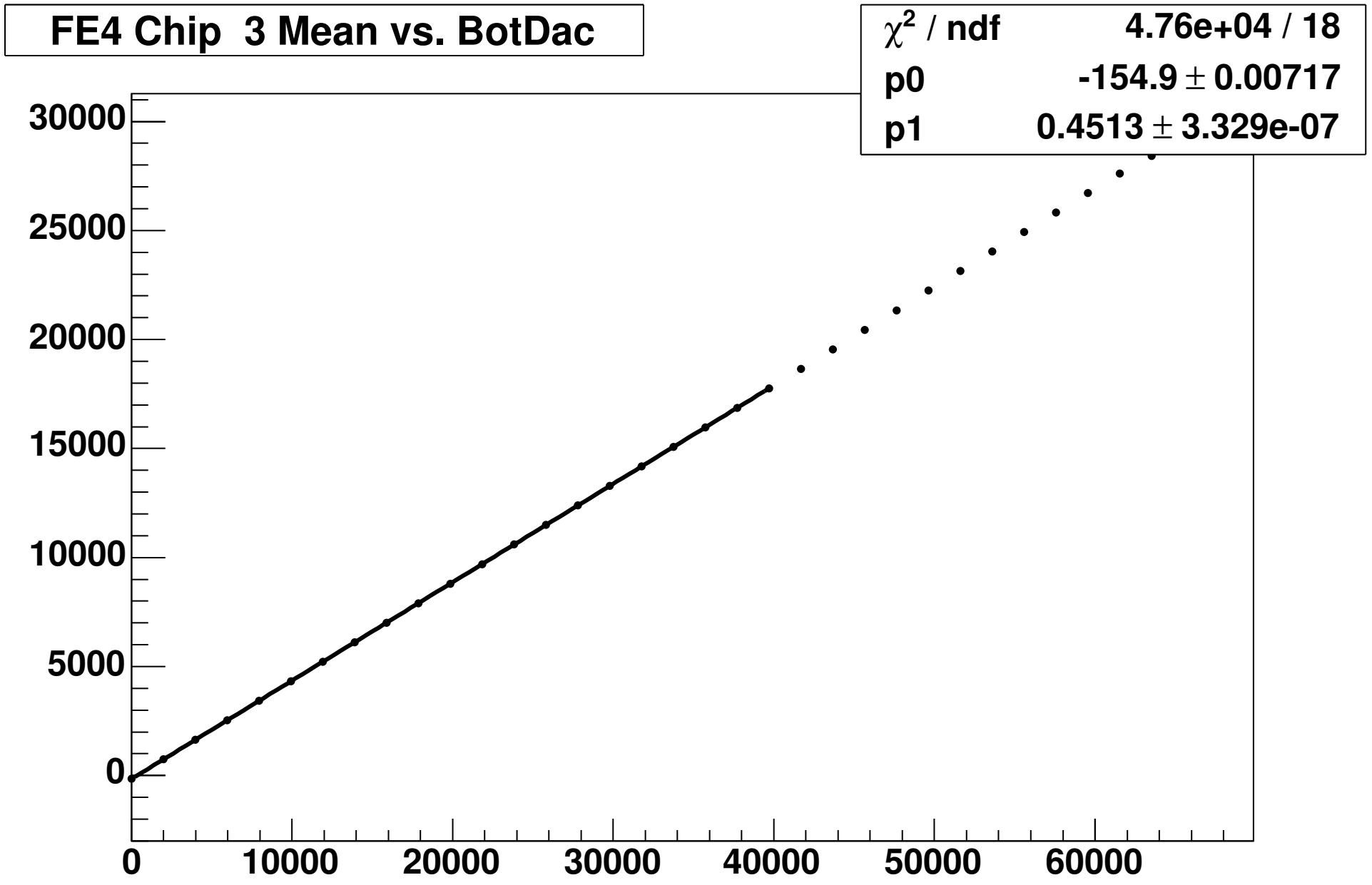
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.76e+04 / 18
p0 -154.9 ± 0.00717
p1 0.4513 ± 3.329e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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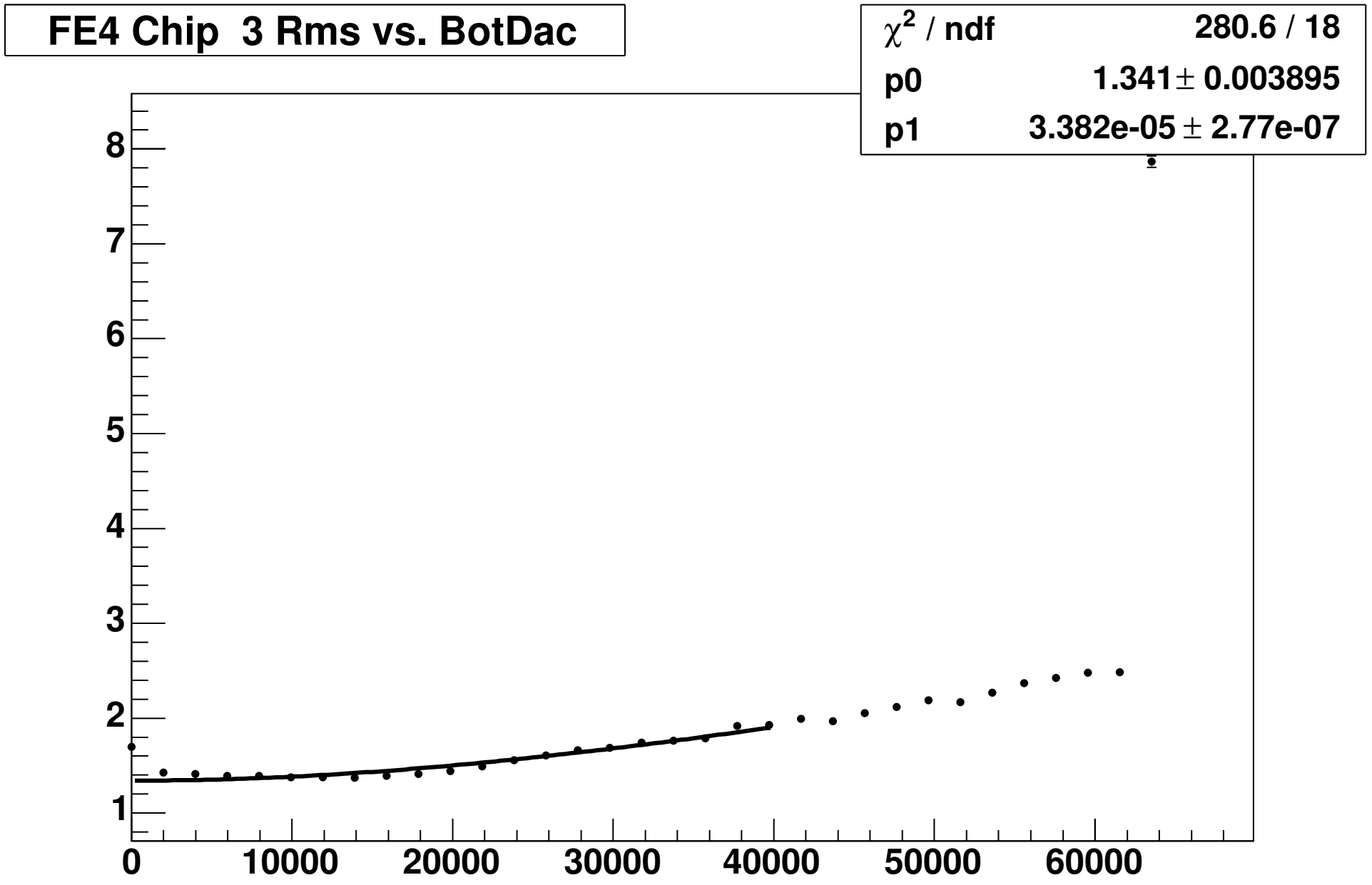
FE4 Chip 3 Rms vs. BotDac
χ² / ndf 280.6 / 18
p0 1.341 ± 0.003895
p1 3.382e-05 ± 2.77e-07
8
7
6
5
4
3
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1
0
10000
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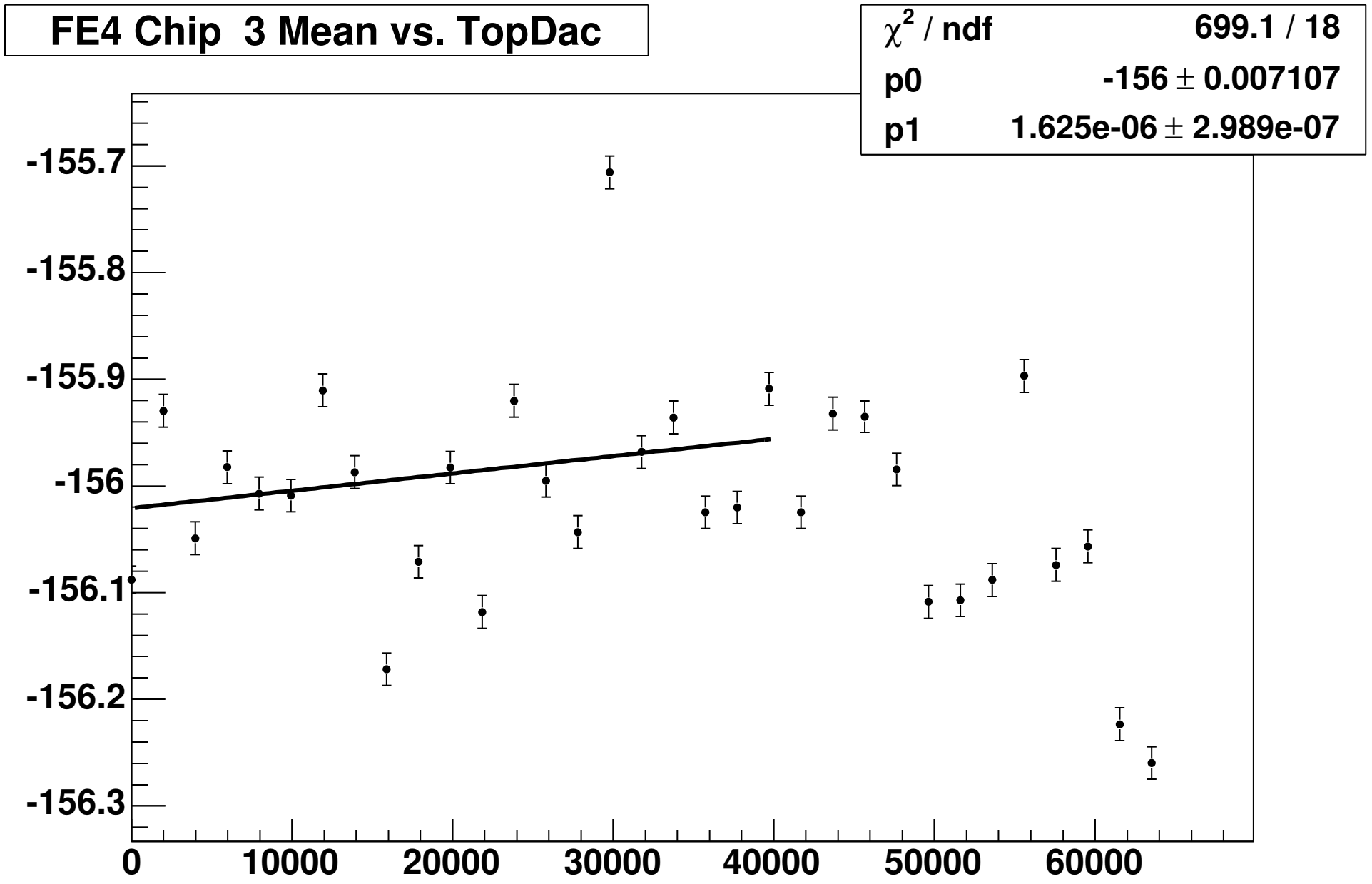
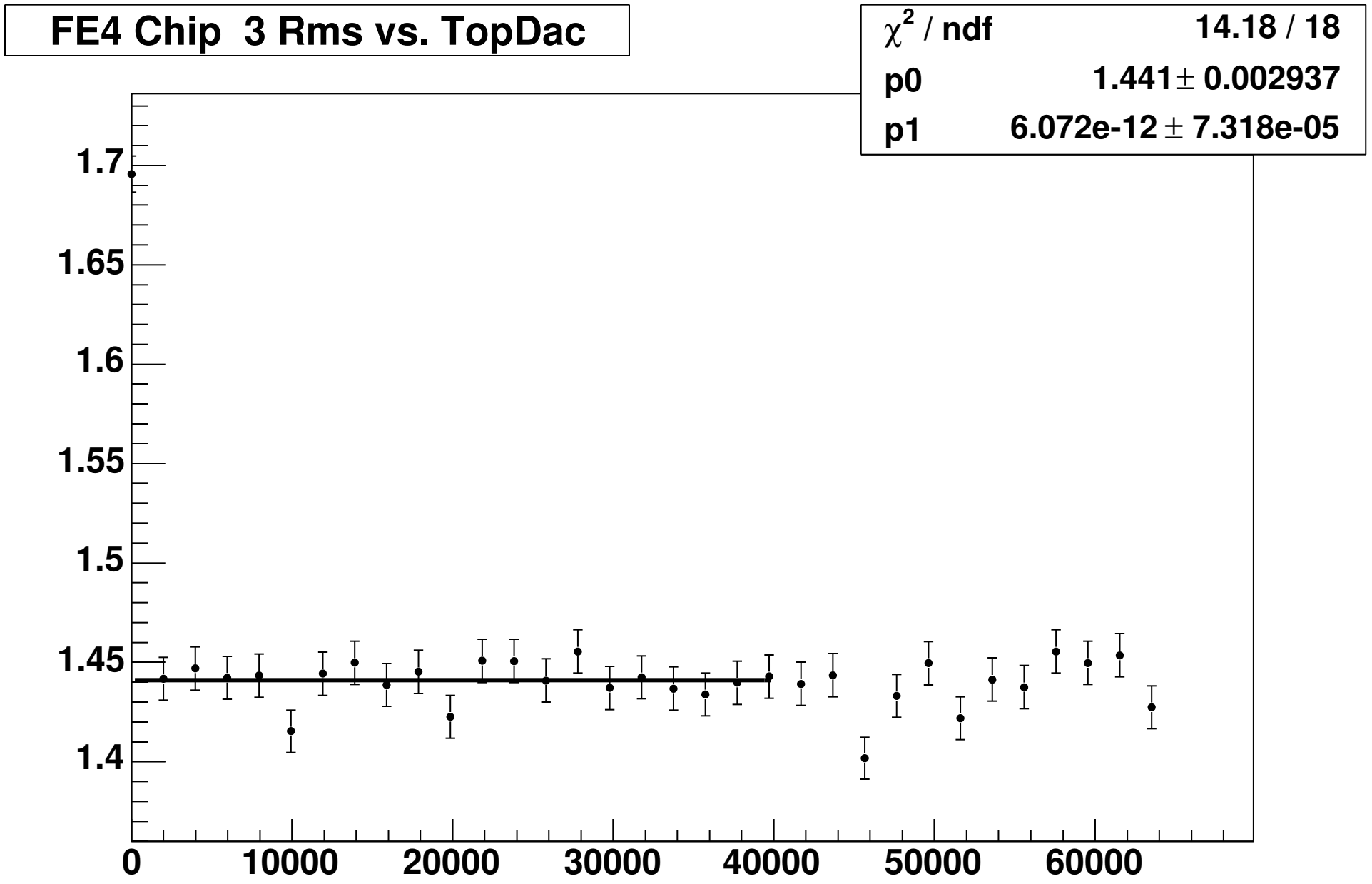

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 699.1 / 18
p0 -156 ± 0.007107
p1 1.625e-06 ± 2.989e-07
-155.7
-155.8
-155.9
-156
-156.1
-156.2
-156.3
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 14.18 / 18
p0 1.441 ± 0.002937
p1 6.072e-12 ± 7.318e-05
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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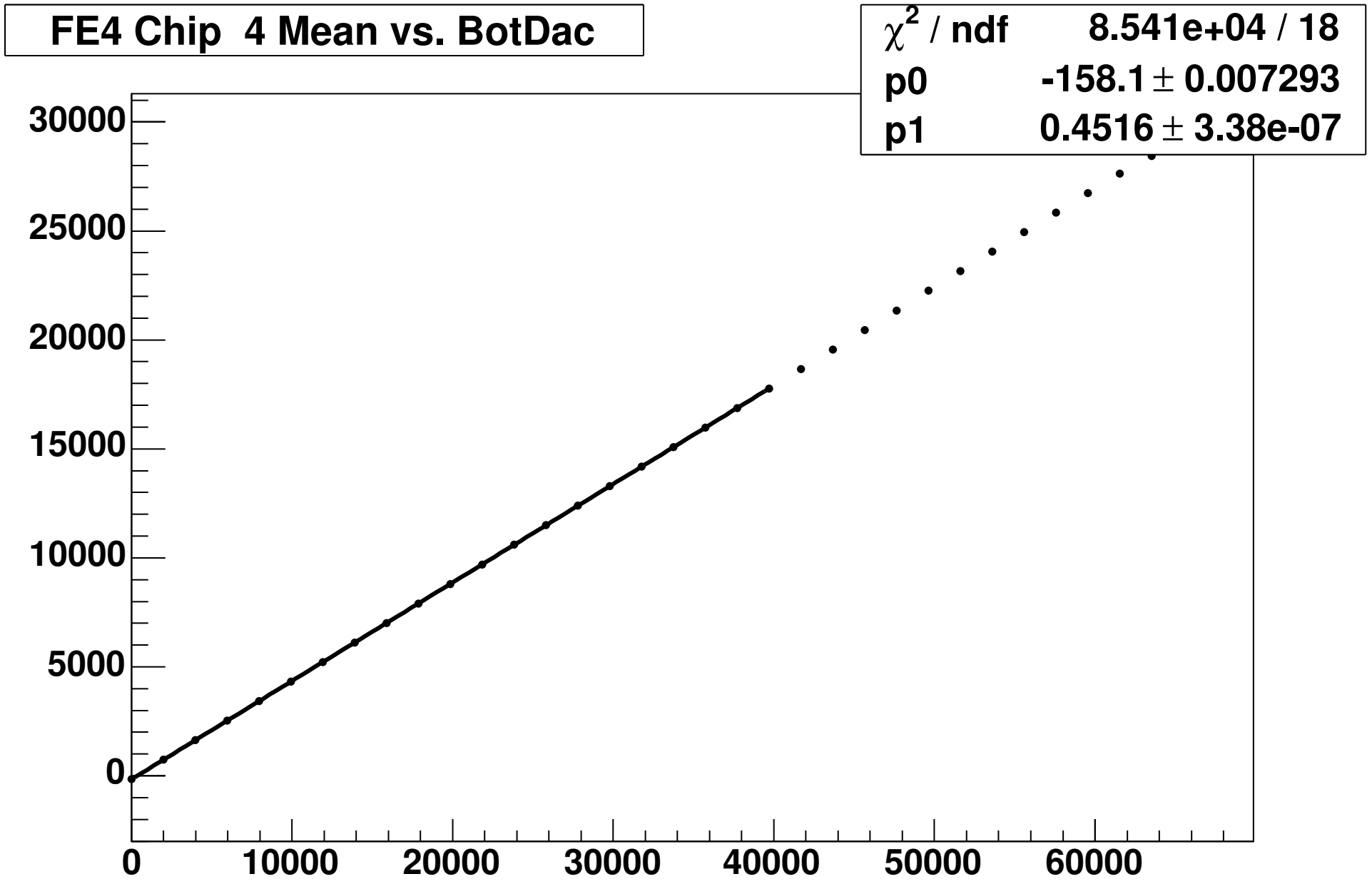
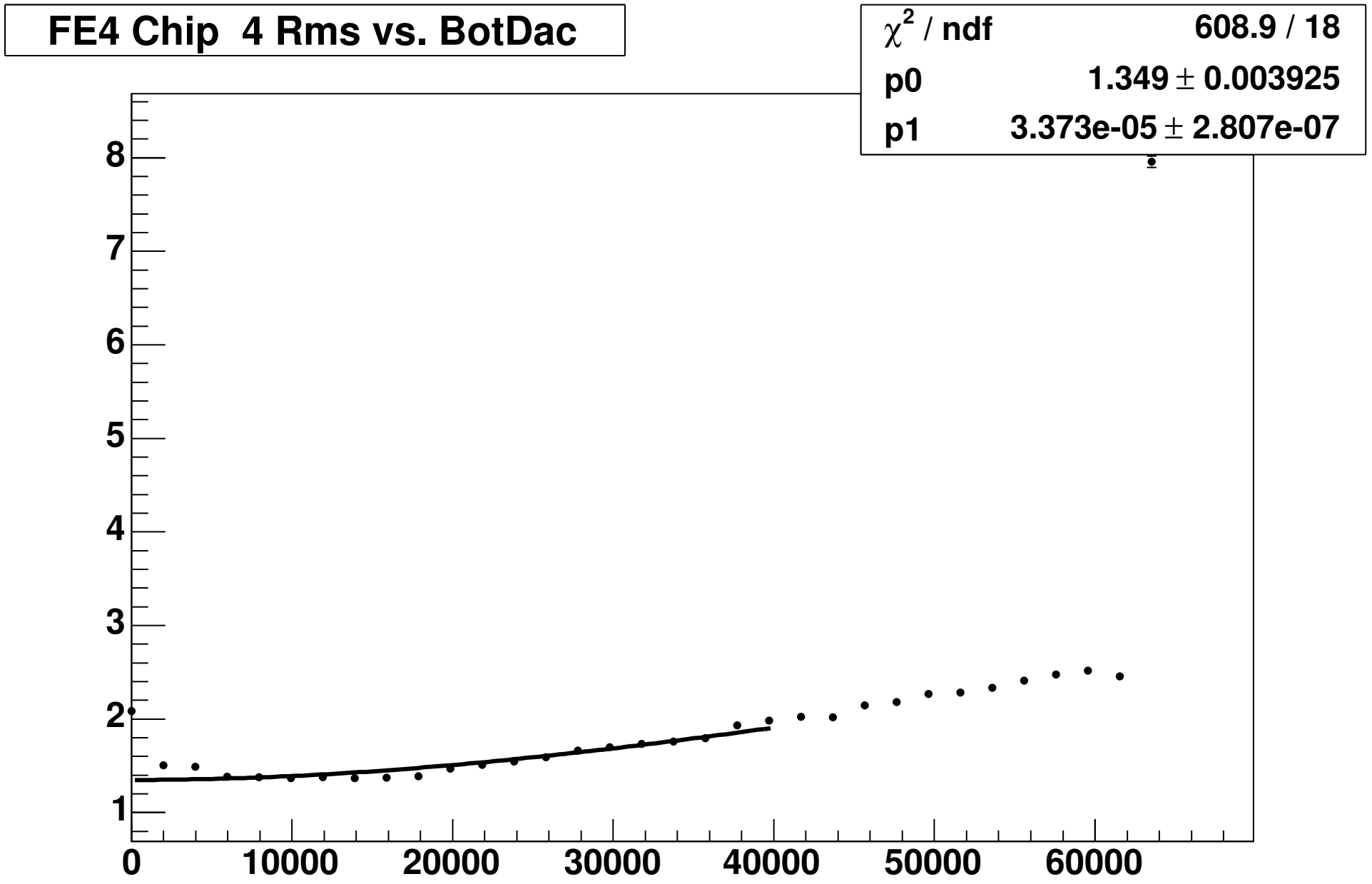

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 8.541e+04 / 18
p0 -158.1 ± 0.007293
p1 0.4516 ± 3.38e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 608.9 / 18
p0 1.349 ± 0.003925
p1 3.373e-05 ± 2.807e-07
8
7
6
5
4
3
2
1
0
10000
20000
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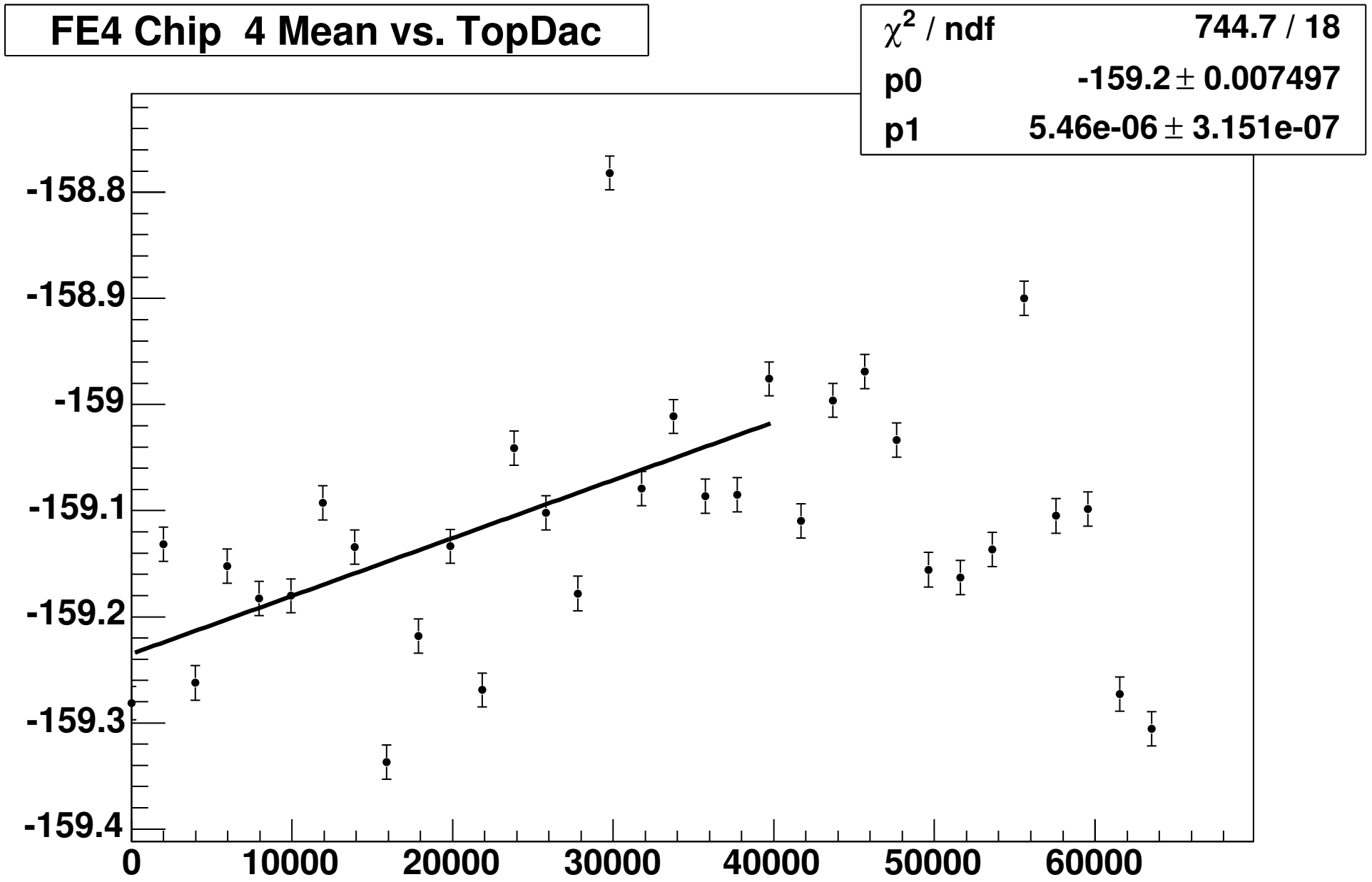
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 744.7 / 18
p0 -159.2 ± 0.007497
p1 5.46e-06 ± 3.151e-07
-158.8
-158.9
-159
-159.1
-159.2
-159.3
-159.4
0
10000
20000
30000
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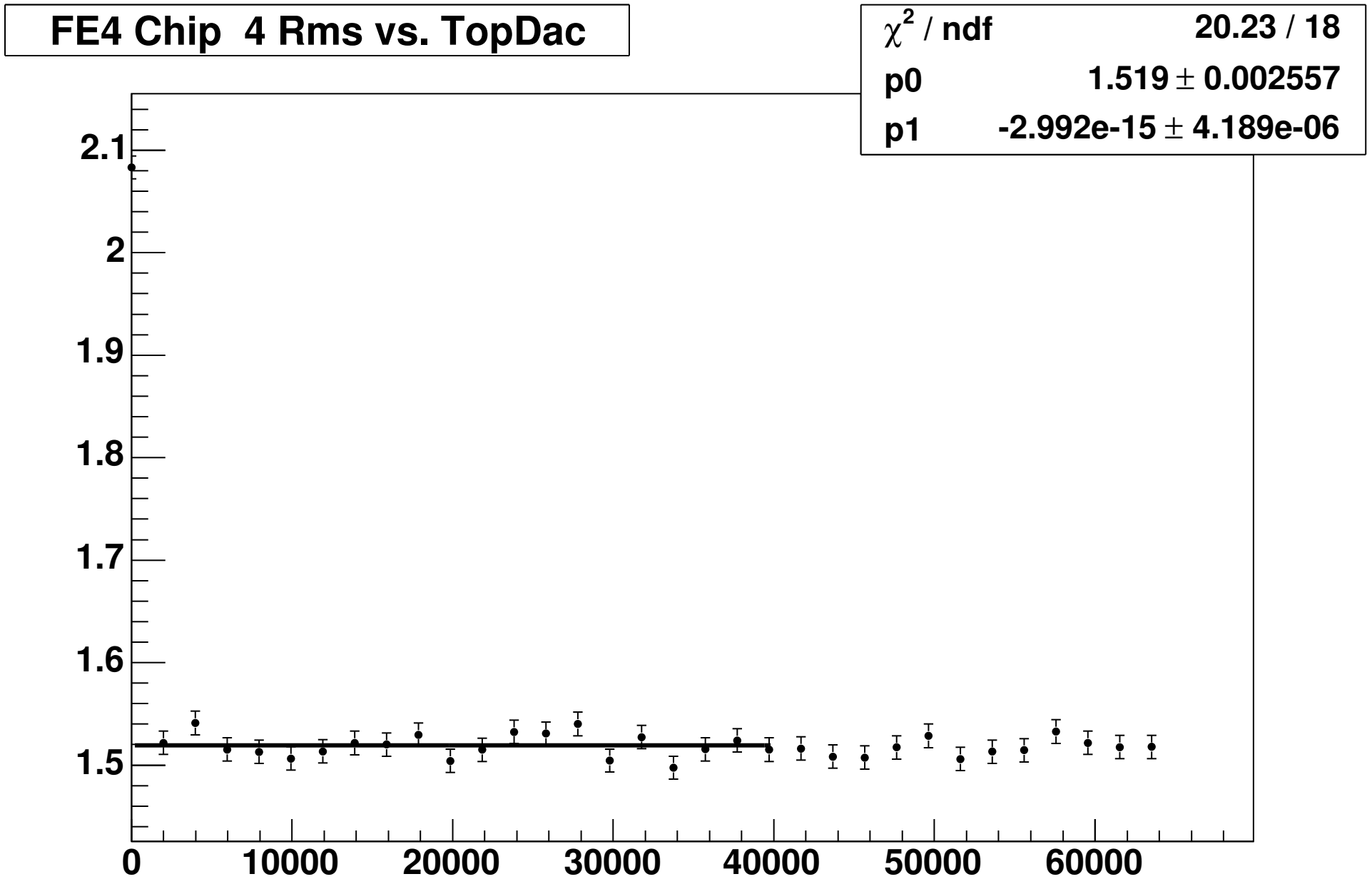
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 20.23 / 18
p0 1.519 ± 0.002557
p1 -2.992e-15 ± 4.189e-06
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
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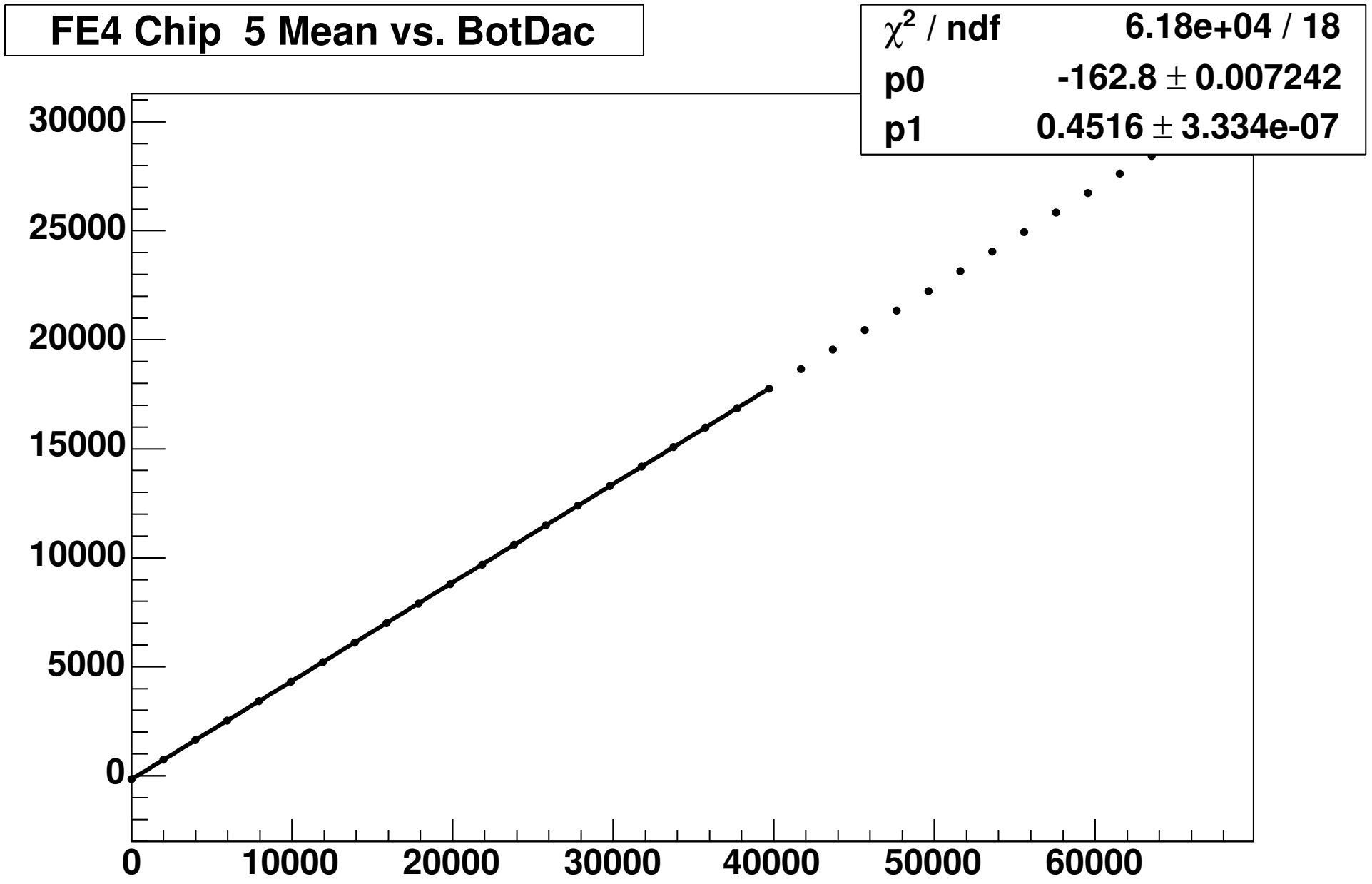
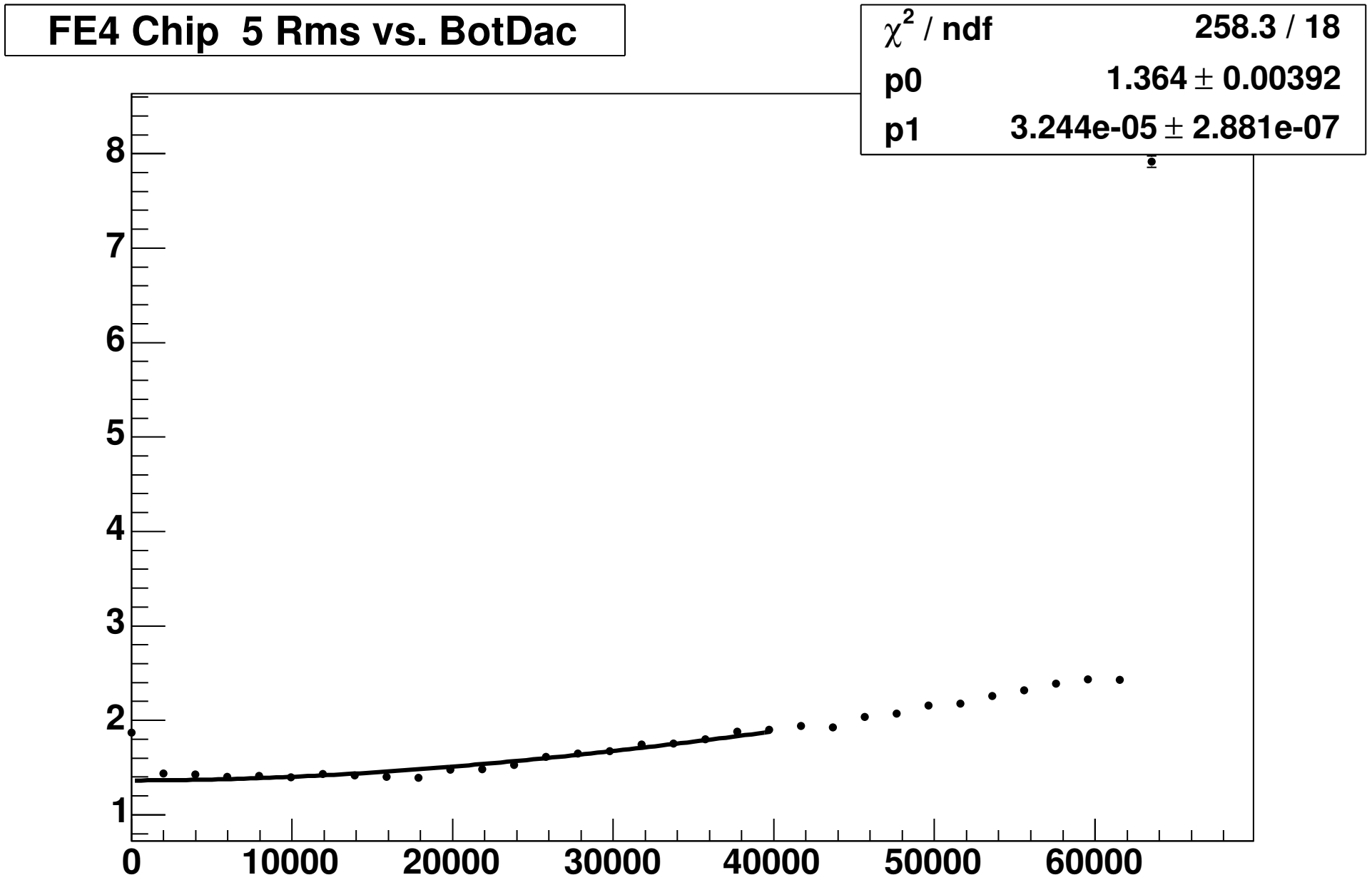
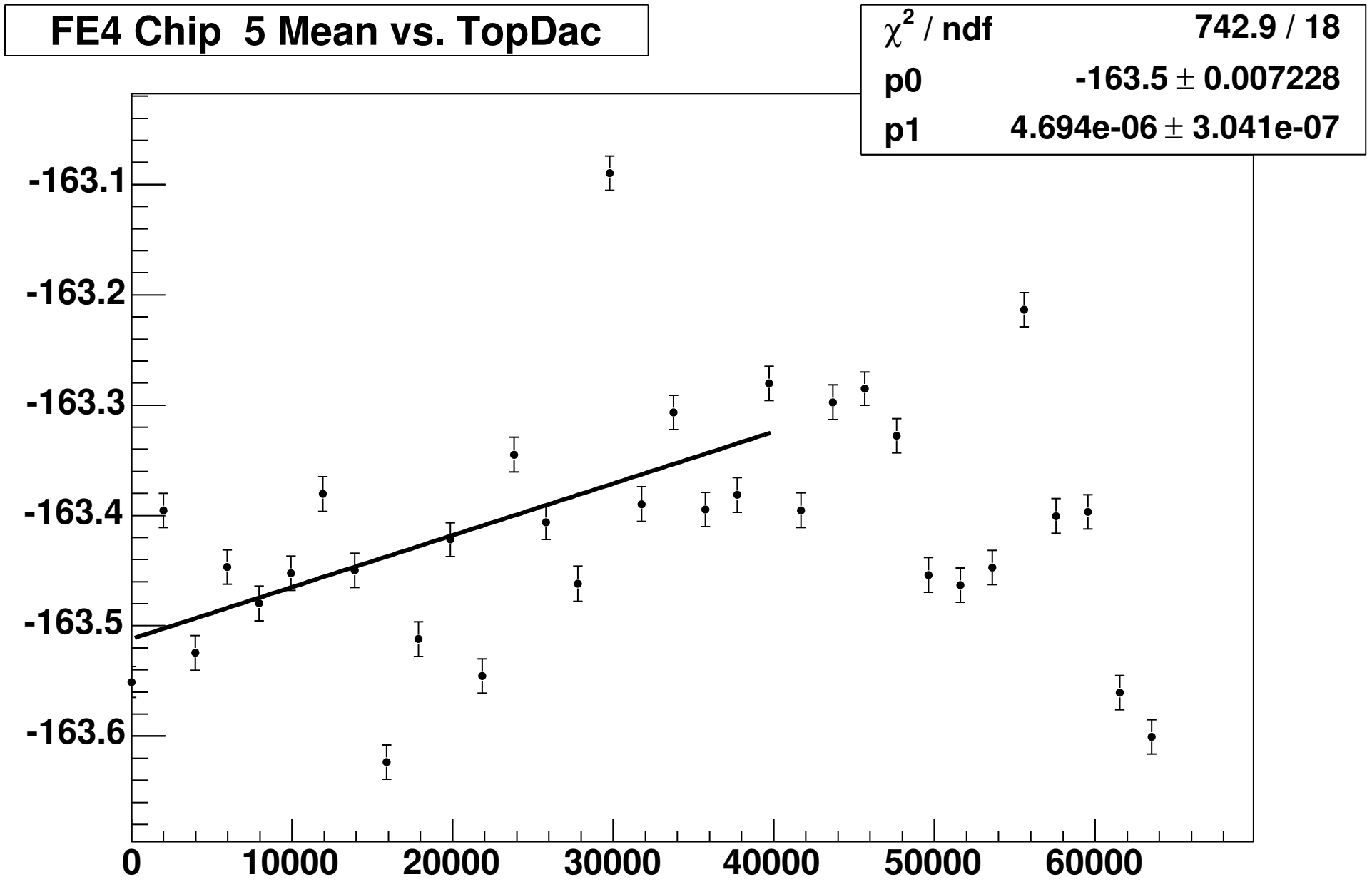
40000
50000
60000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 6.18e+04 / 18
p0 -162.8 ± 0.007242
p1 0.4516 ± 3.334e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 258.3 / 18
p0 1.364 ± 0.00392
p1 3.244e-05 ± 2.881e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 742.9 / 18
p0 -163.5 ± 0.007228
p1 4.694e-06 ± 3.041e-07
-163.1
-163.2
-163.3
-163.4
-163.5
-163.6
0
10000
20000
30000
40000
50000
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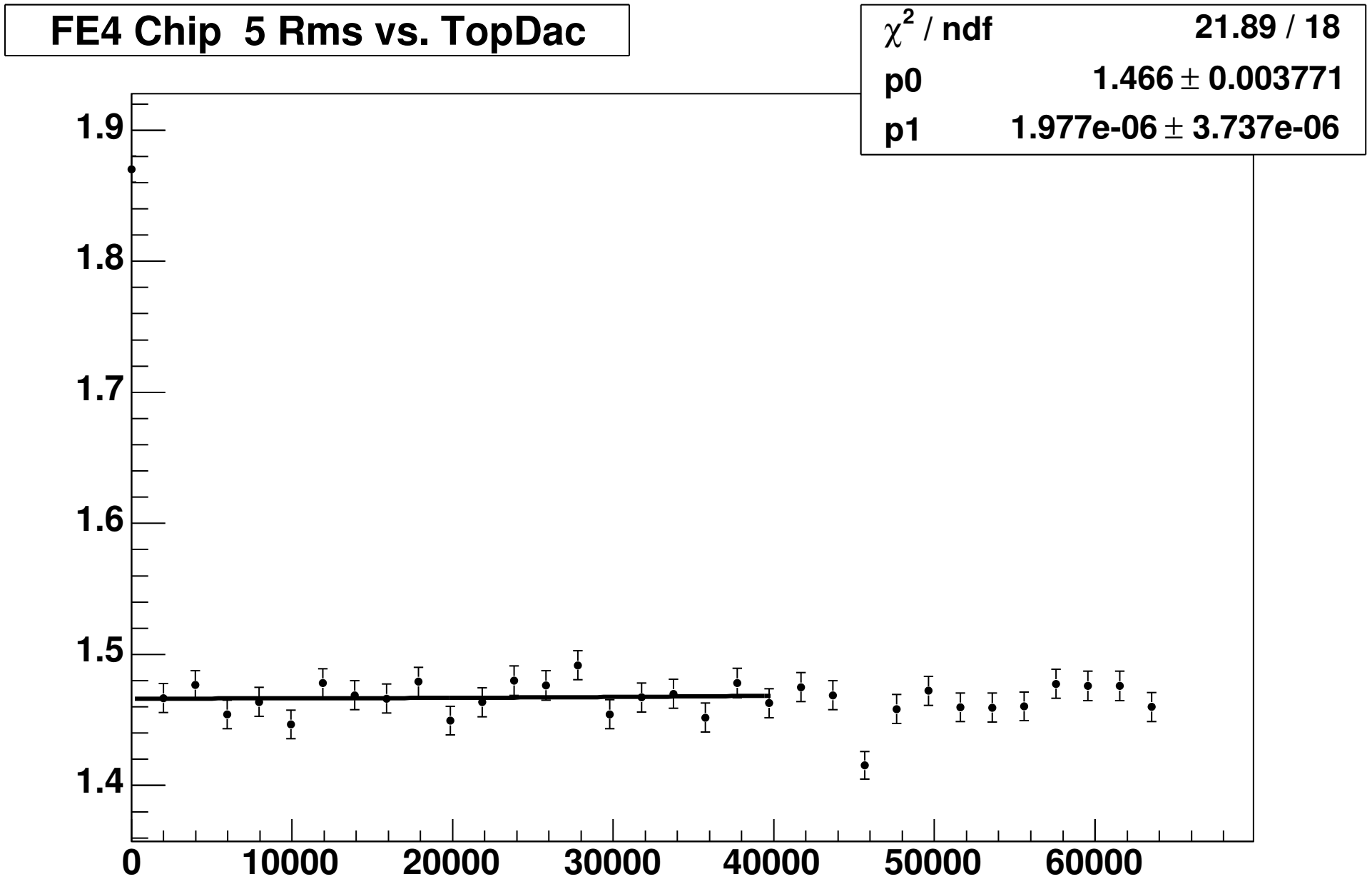
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 21.89 / 18
p0 1.466 ± 0.003771
p1 1.977e-06 ± 3.737e-06
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
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30000
40000
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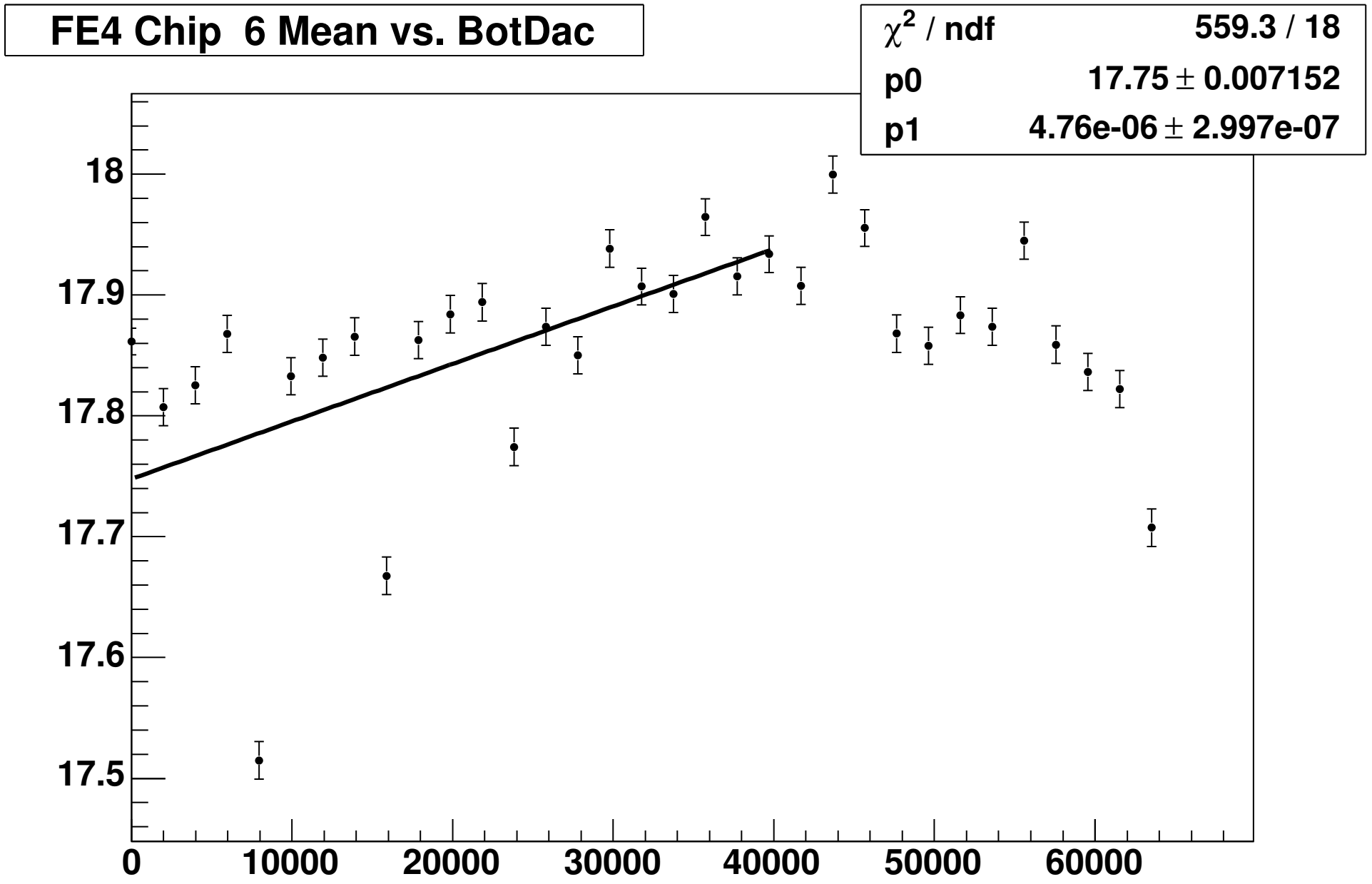
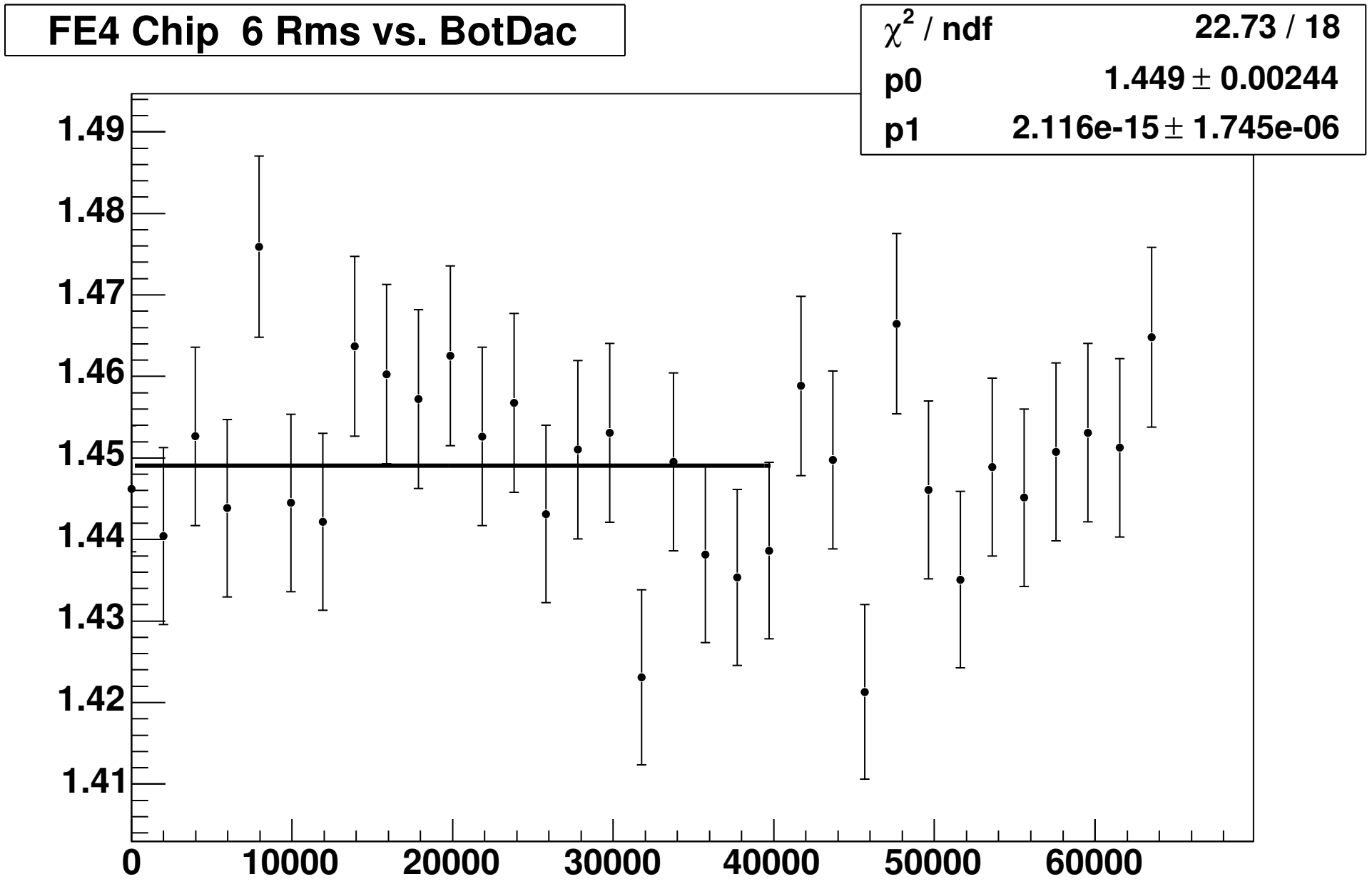
60000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 559.3 / 18
p0 17.75 ± 0.007152
p1 4.76e-06 ± 2.997e-07
18
17.9
17.8
17.7
17.6
17.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 22.73 / 18
p0 1.449 ± 0.00244
p1 2.116e-15 ± 1.745e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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30000
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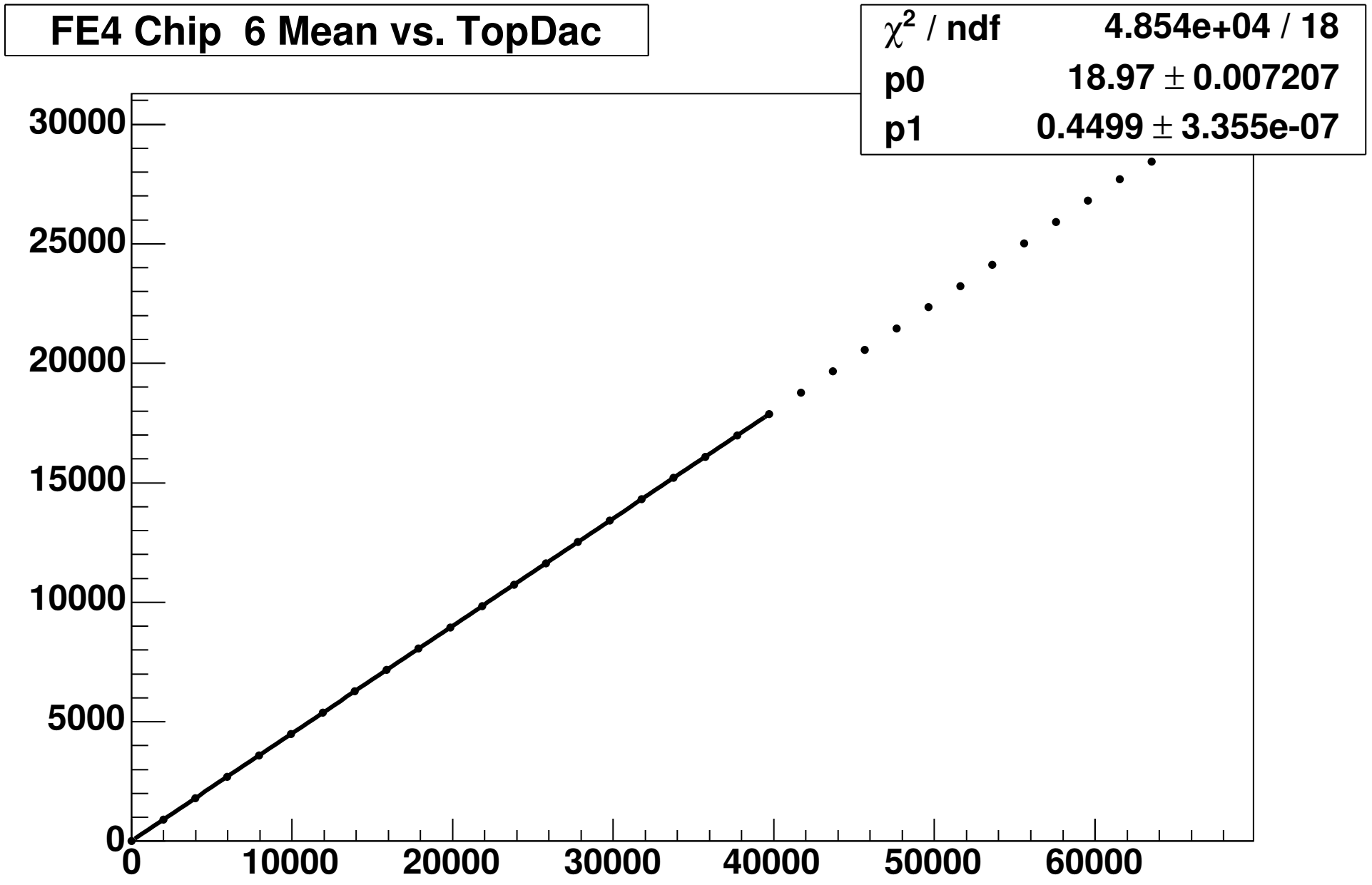
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 4.854e+04 / 18
p0 18.97 ± 0.007207
p1 0.4499 ± 3.355e-07
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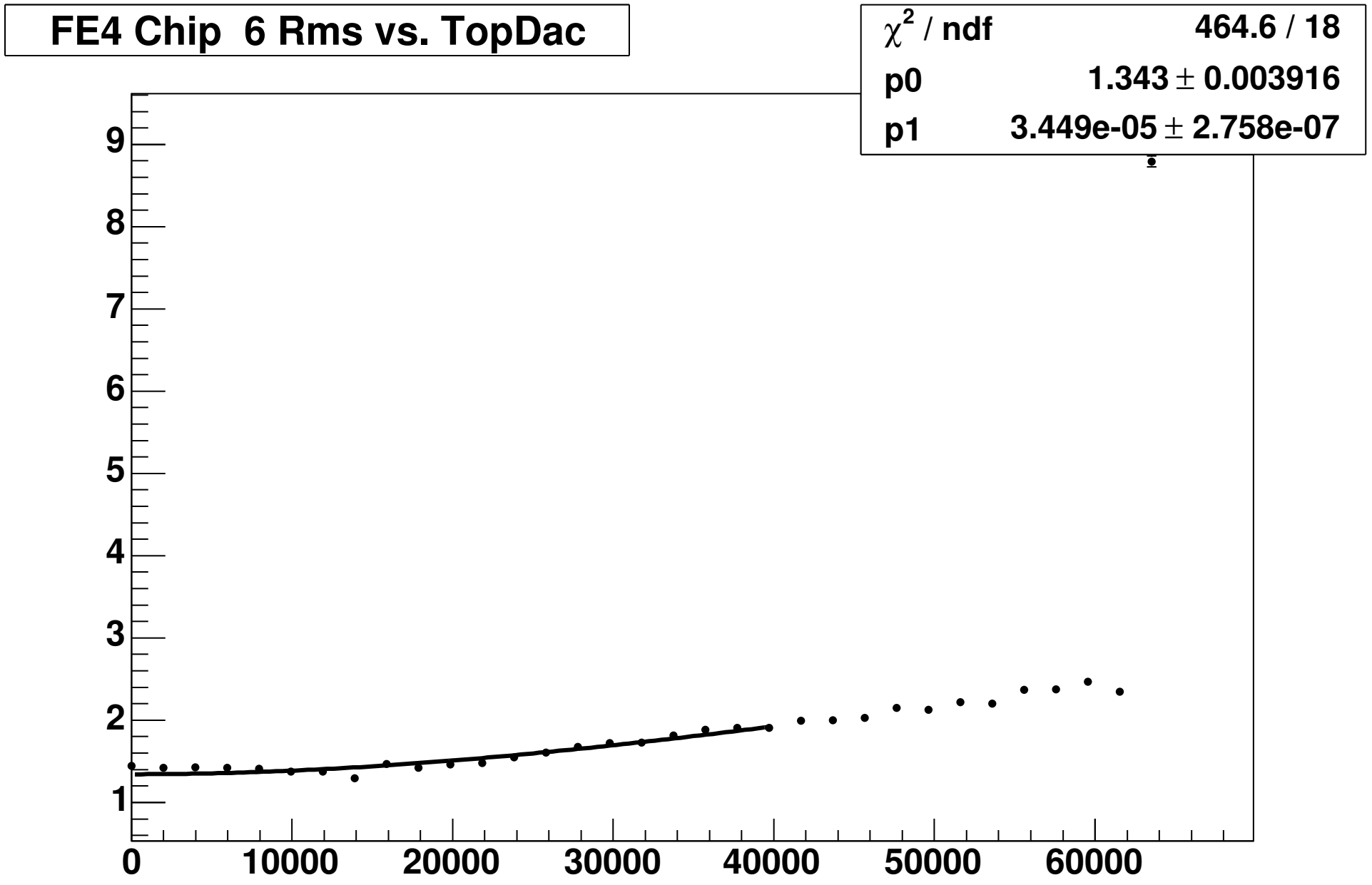
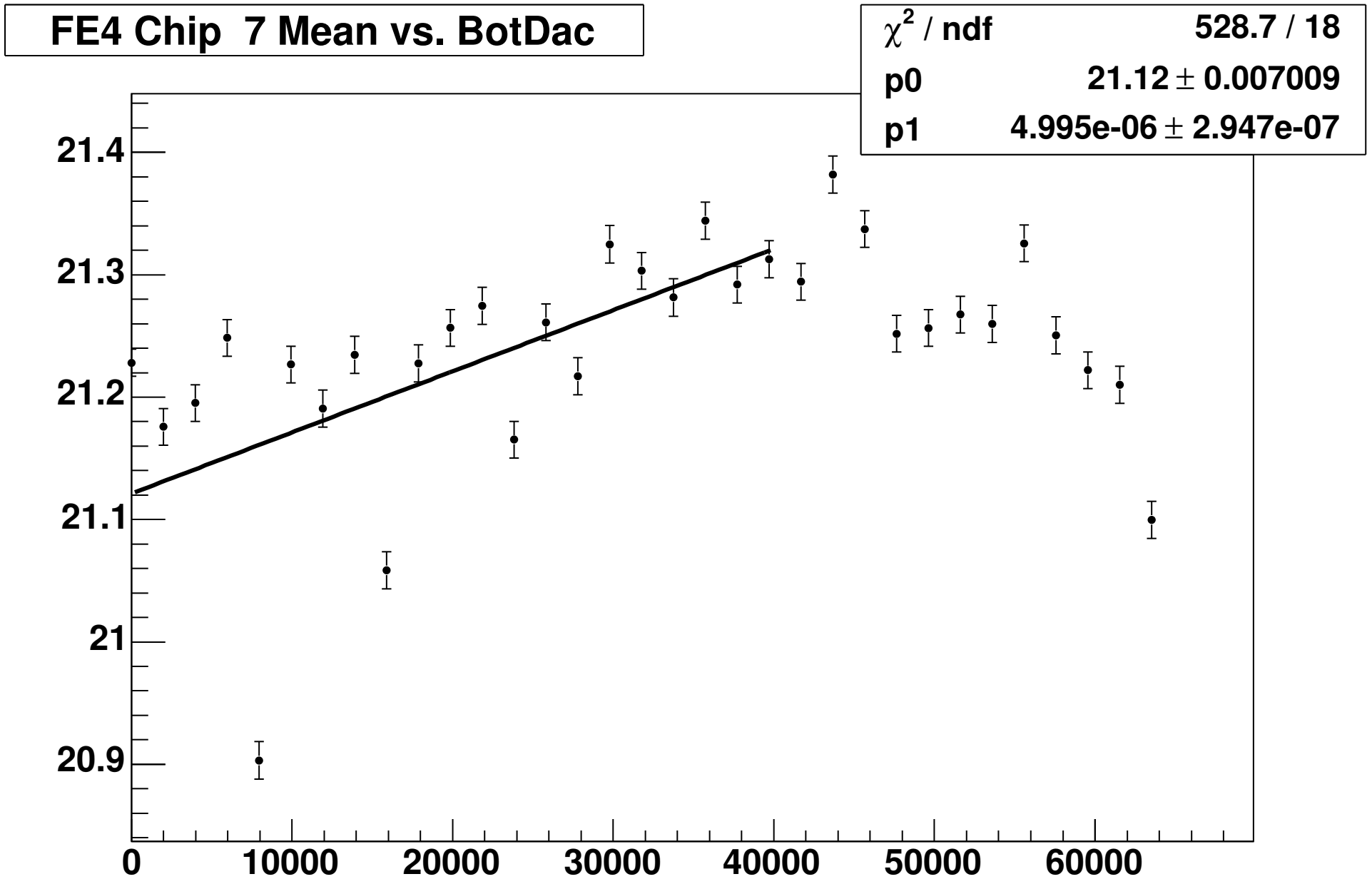
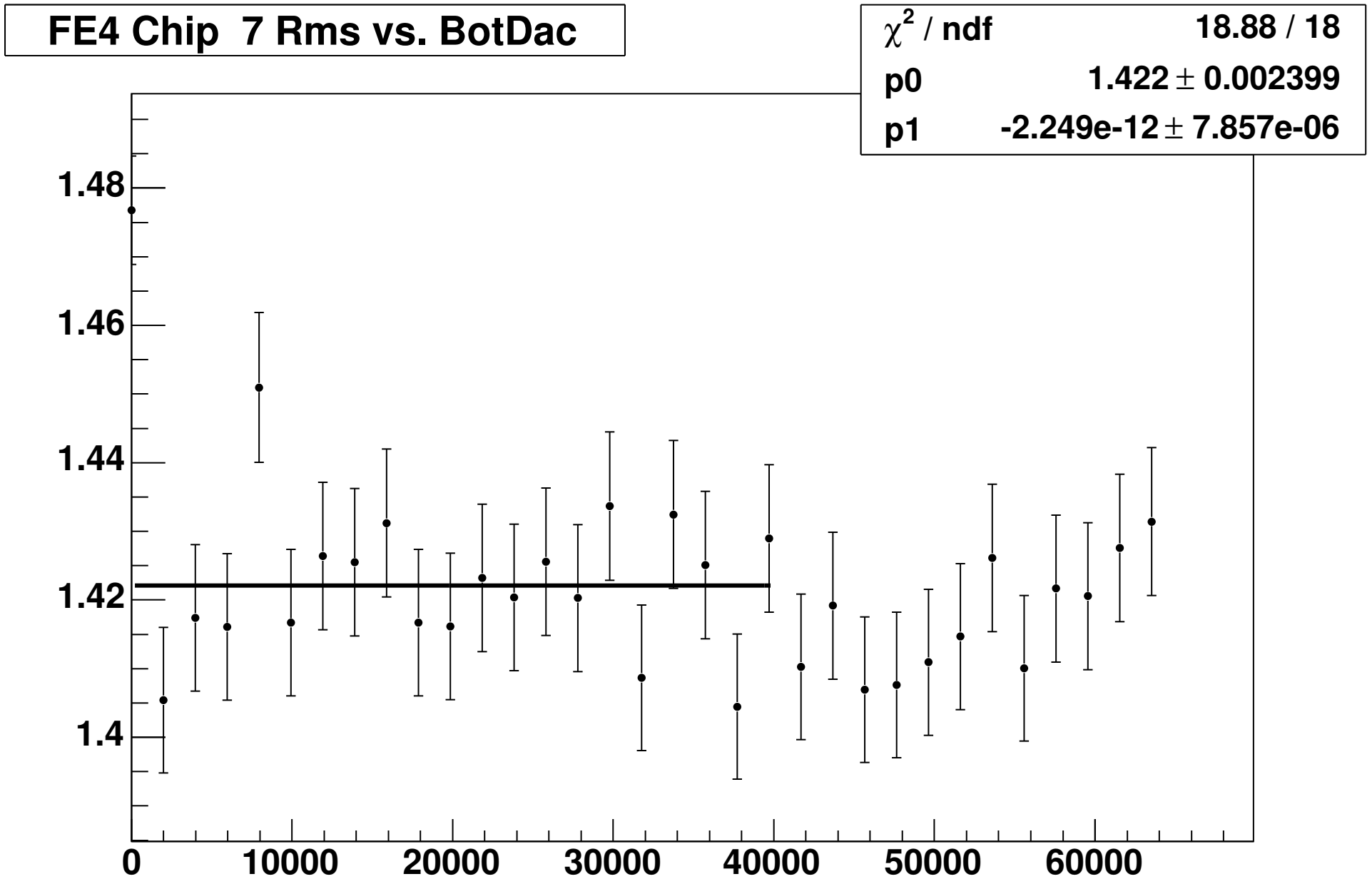
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 464.6 / 18
p0 1.343 ± 0.003916
p1 3.449e-05 ± 2.758e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 528.7 / 18
p0 21.12 ± 0.007009
p1 4.995e-06 ± 2.947e-07
21.4
21.3
21.2
21.1
21
20.9
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 18.88 / 18
p0 1.422 ± 0.002399
p1 -2.249e-12 ± 7.857e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
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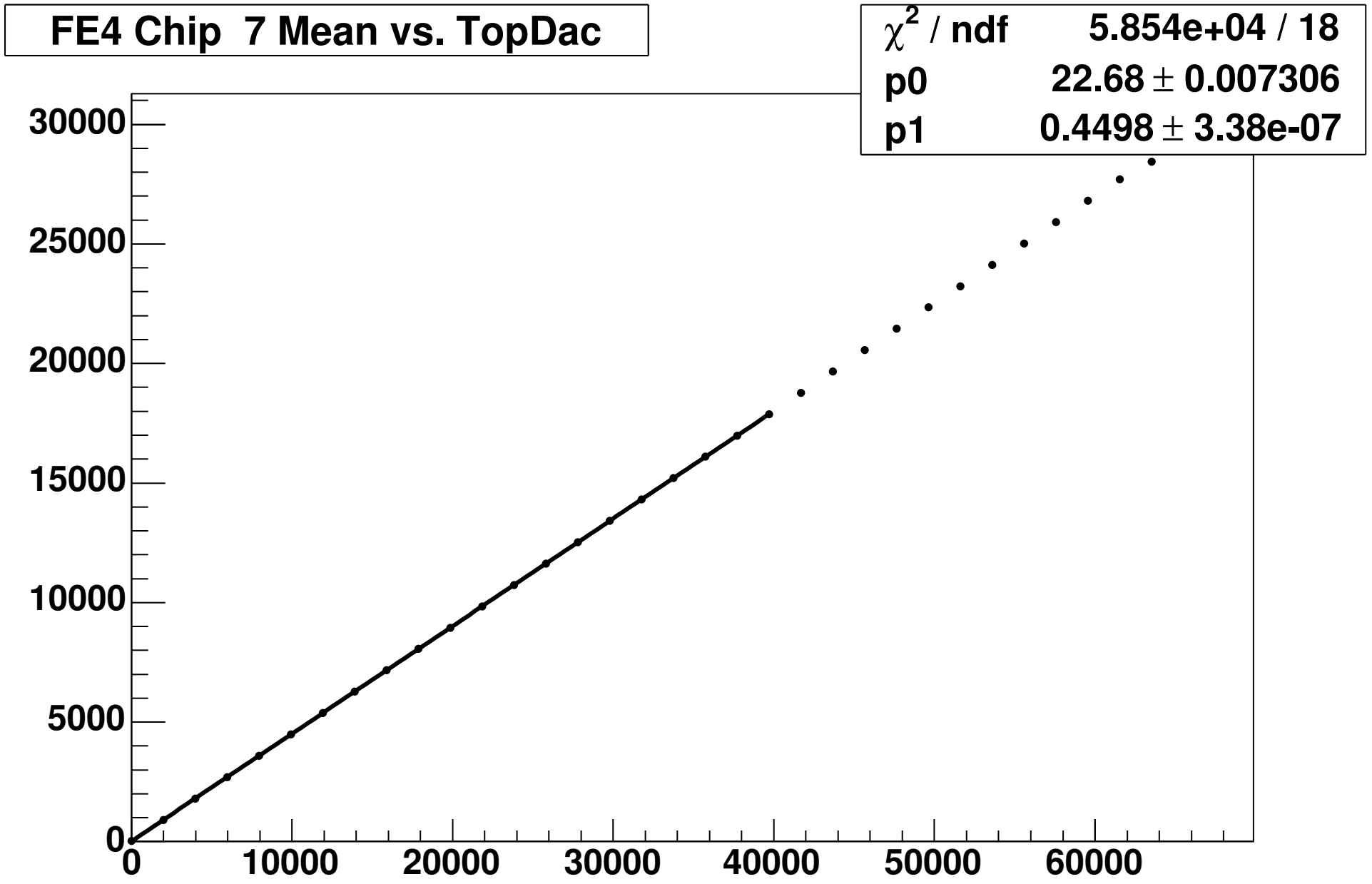
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 5.854e+04 / 18
p0 22.68 ± 0.007306
p1 0.4498 ± 3.38e-07
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25000
20000
15000
10000
5000
0
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10000
20000
30000
40000
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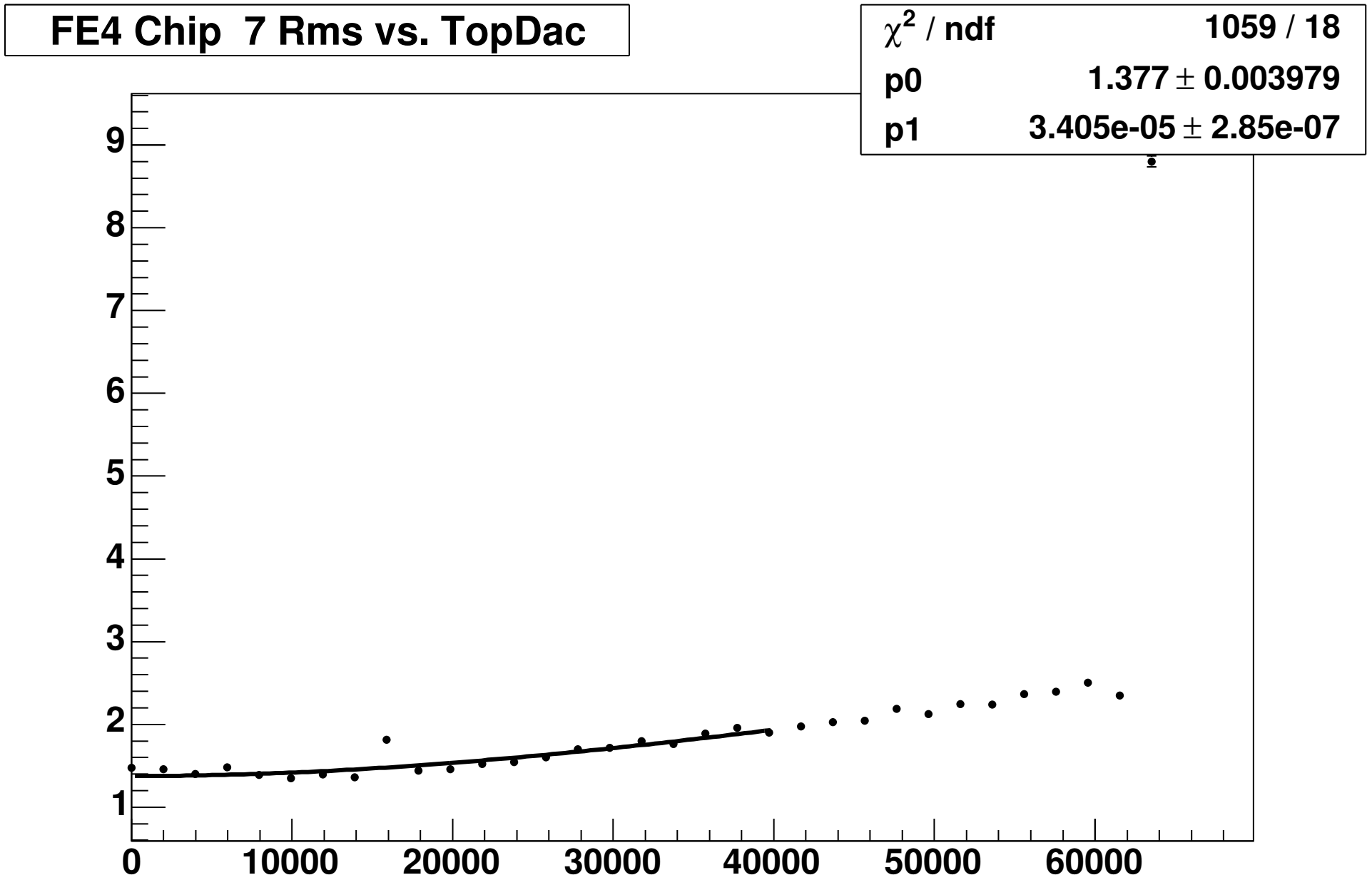
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1059 / 18
p0 1.377 ± 0.003979
p1 3.405e-05 ± 2.85e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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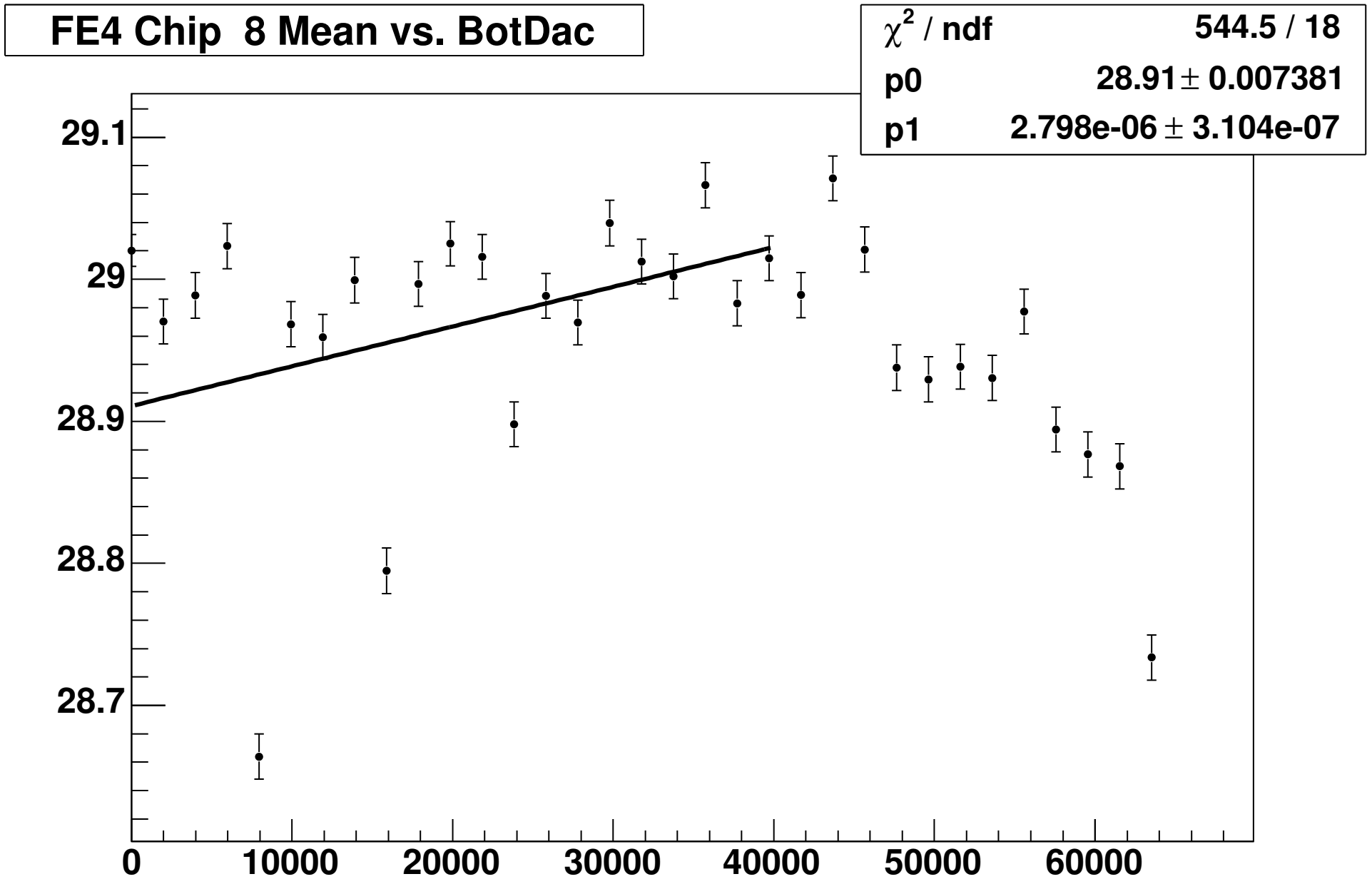
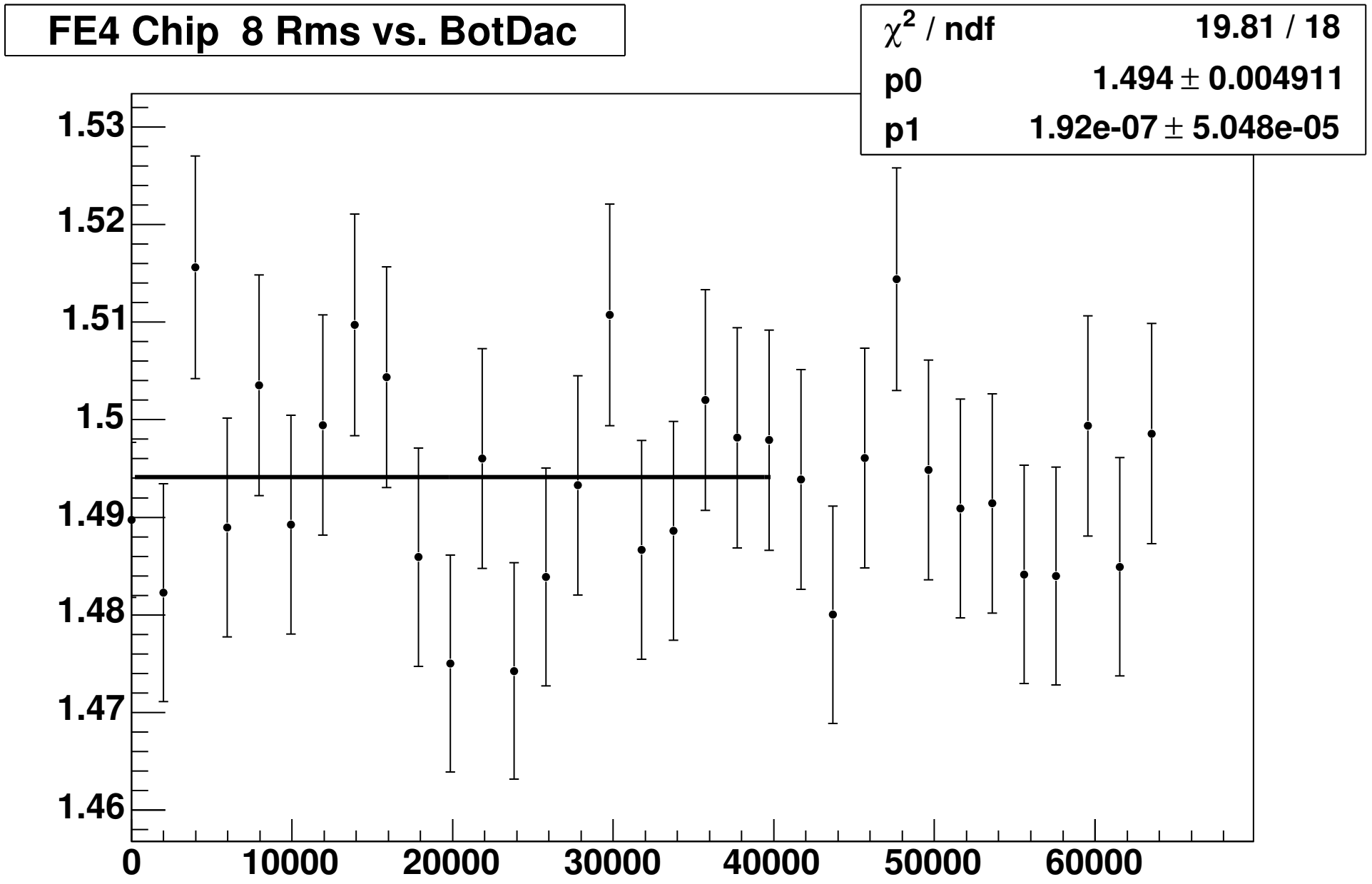
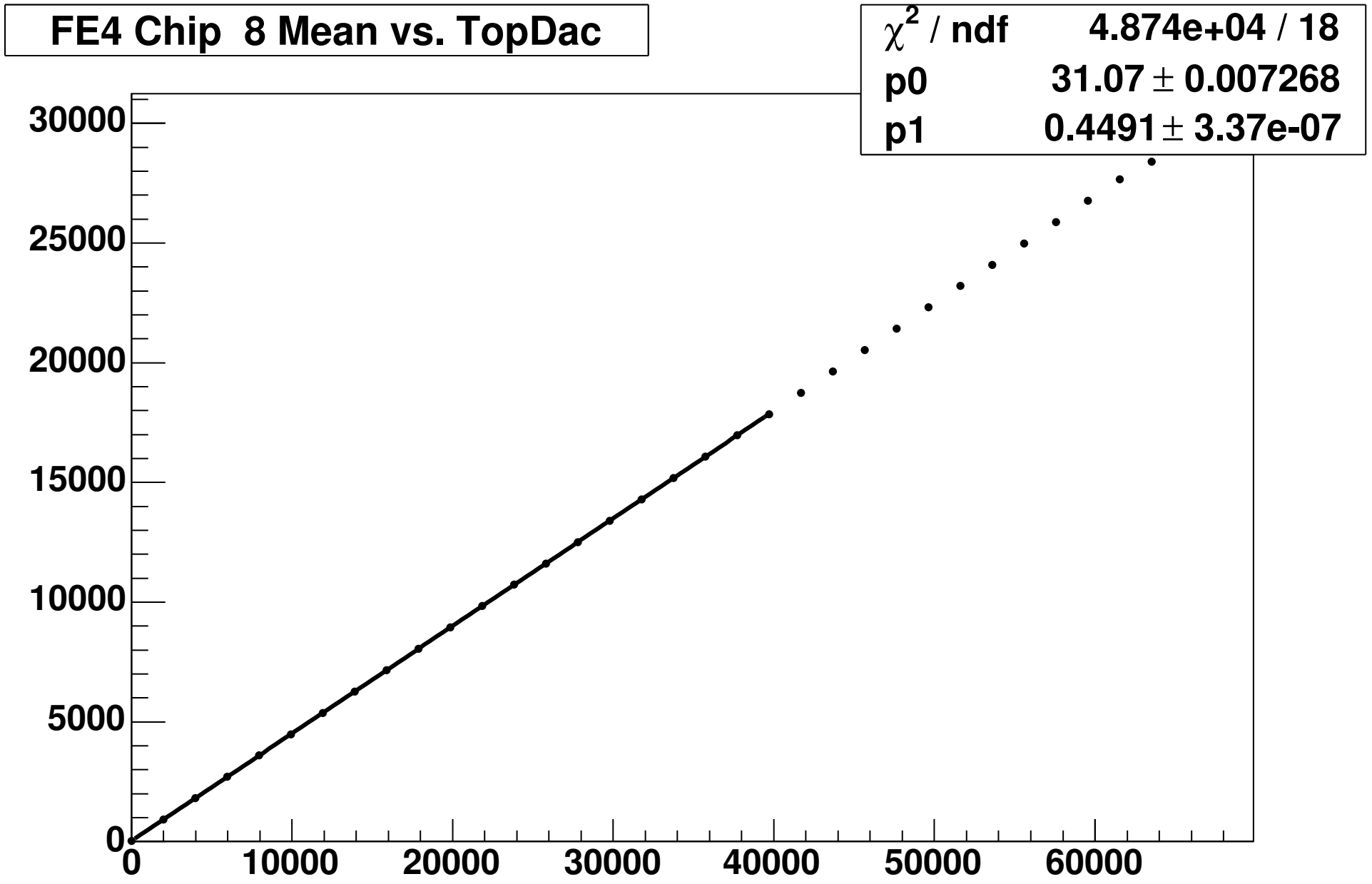

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 544.5 / 18
p0 28.91 ± 0.007381
p1 2.798e-06 ± 3.104e-07
29.1
29
28.9
28.8
28.7
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 19.81 / 18
p0 1.494 ± 0.004911
p1 1.92e-07 ± 5.048e-05
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 4.874e+04 / 18
p0 31.07 ± 0.007268
p1 0.4491 ± 3.37e-07
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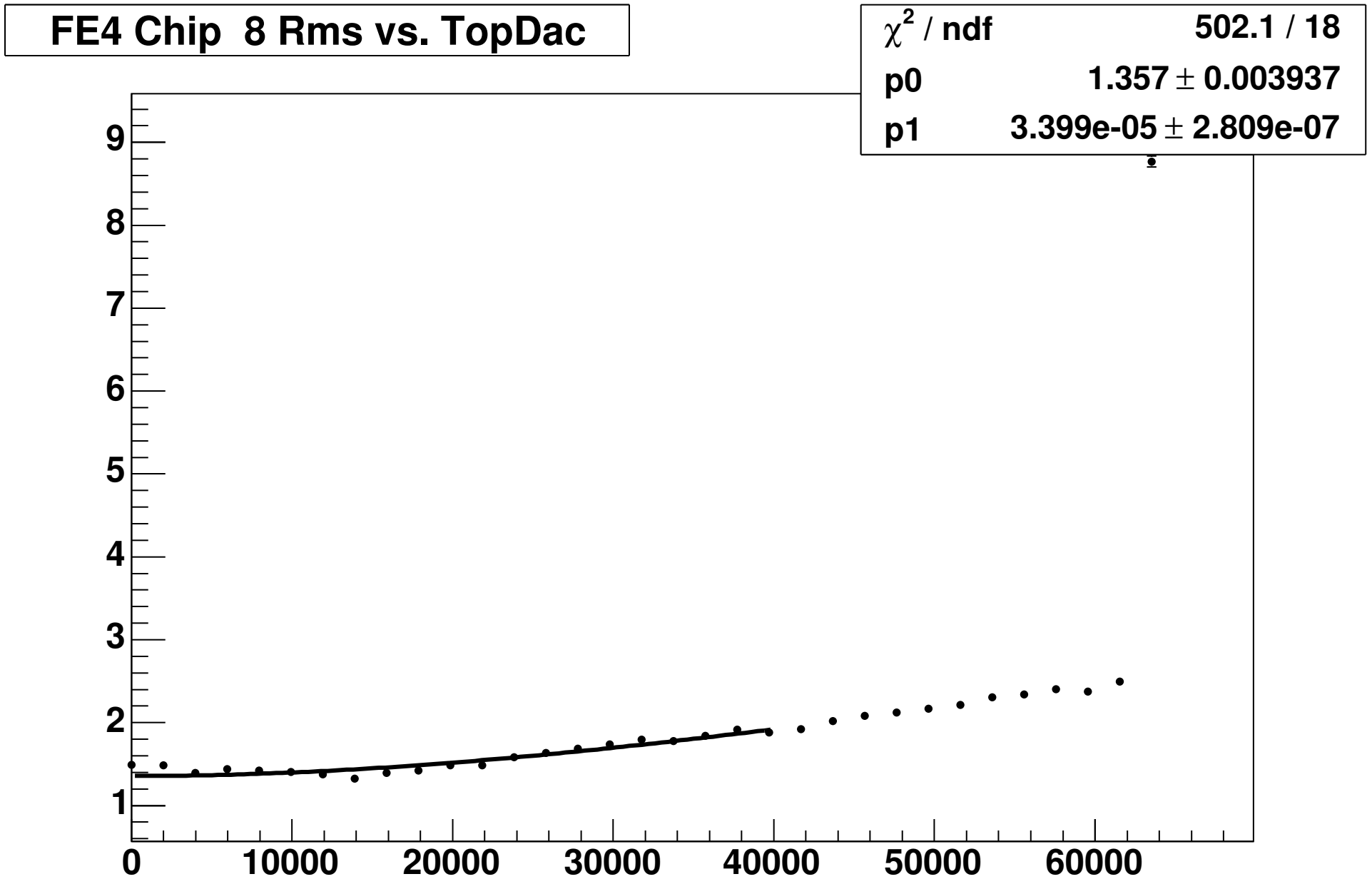
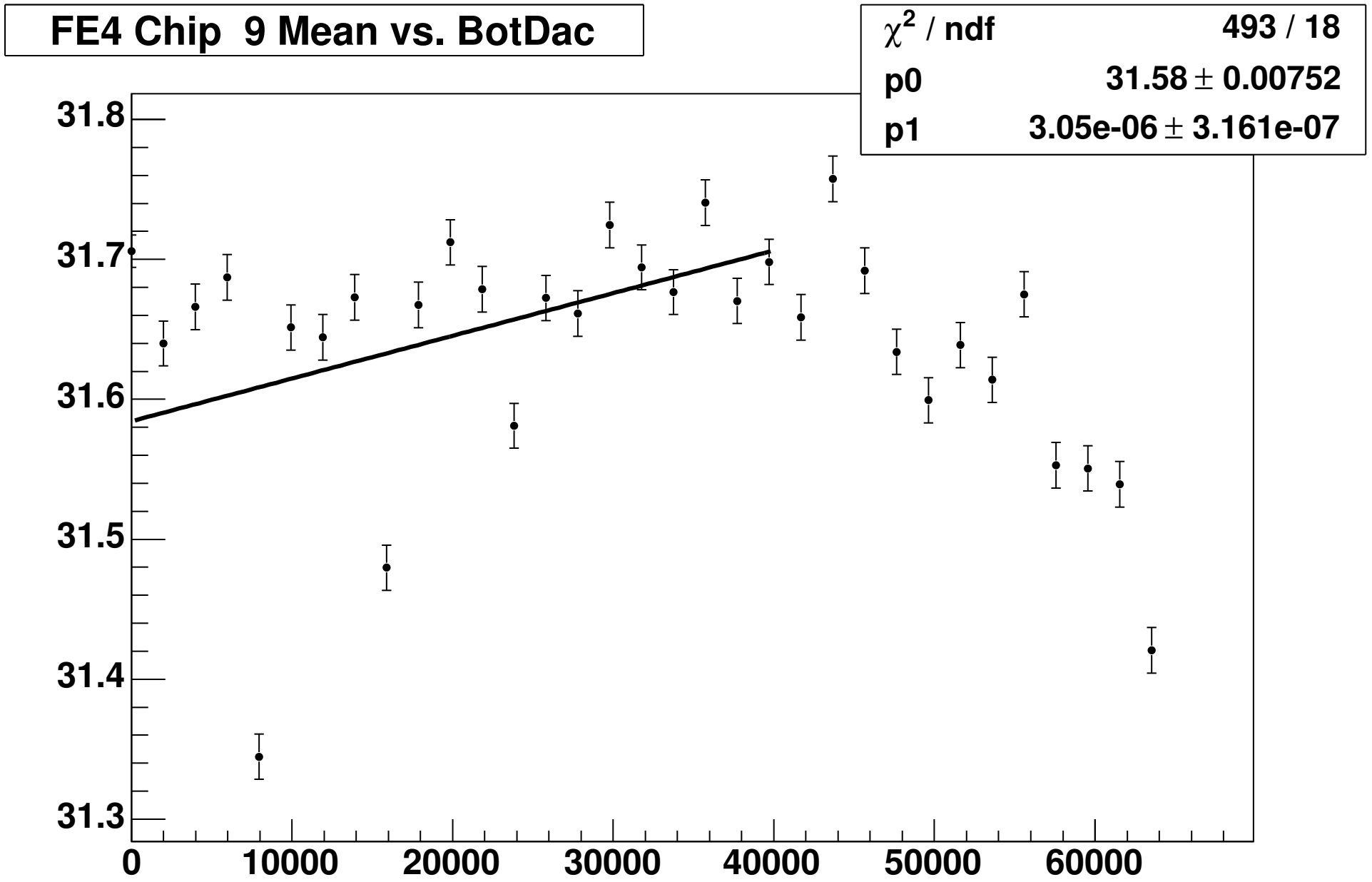
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 502.1 / 18
p0 1.357 ± 0.003937
p1 3.399e-05 ± 2.809e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 493 / 18
p0 31.58 ± 0.00752
p1 3.05e-06 ± 3.161e-07
31.8
31.7
31.6
31.5
31.4
31.3
0
10000
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50000
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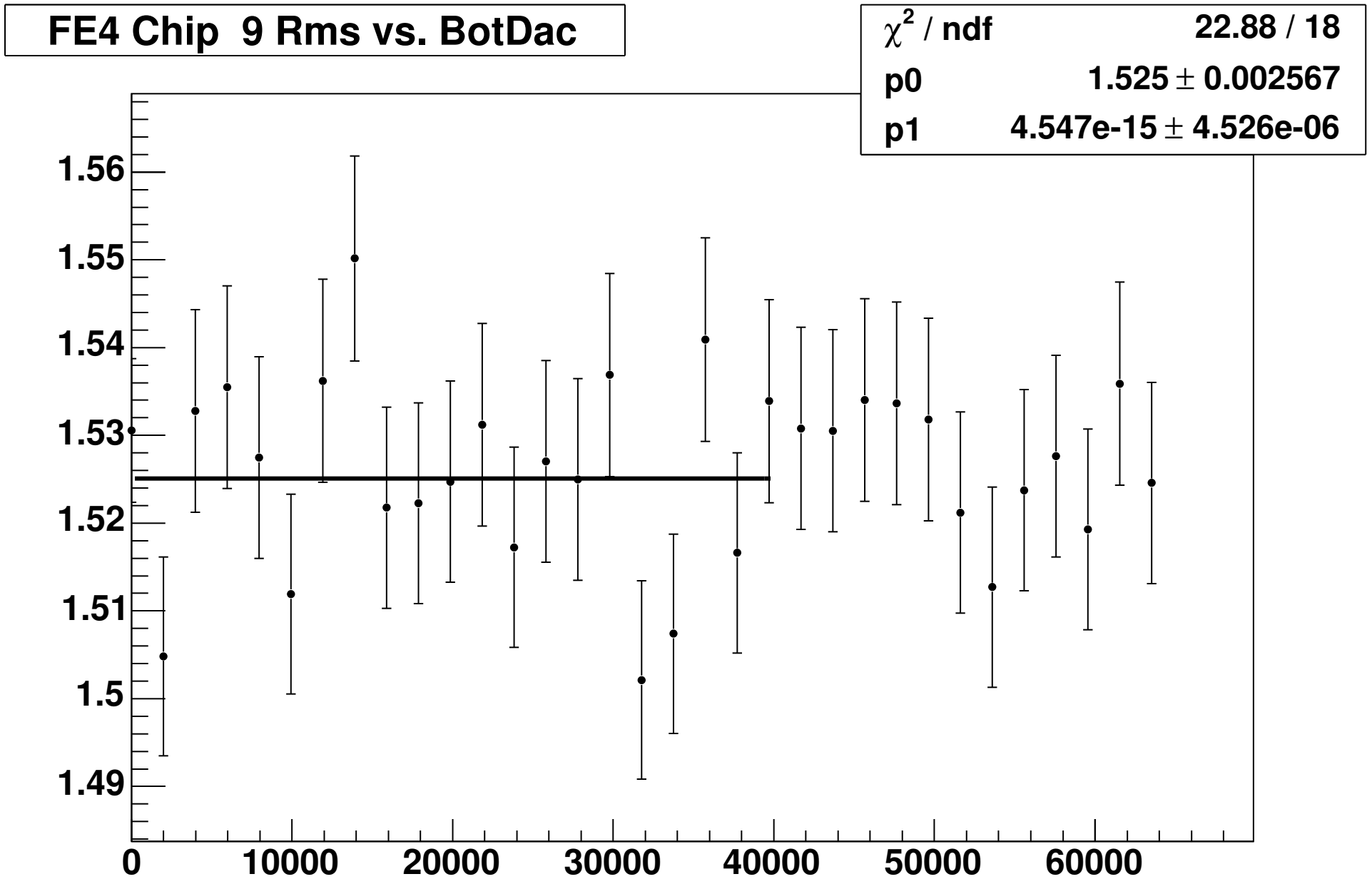
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 22.88 / 18
p0 1.525 ± 0.002567
p1 4.547e-15 ± 4.526e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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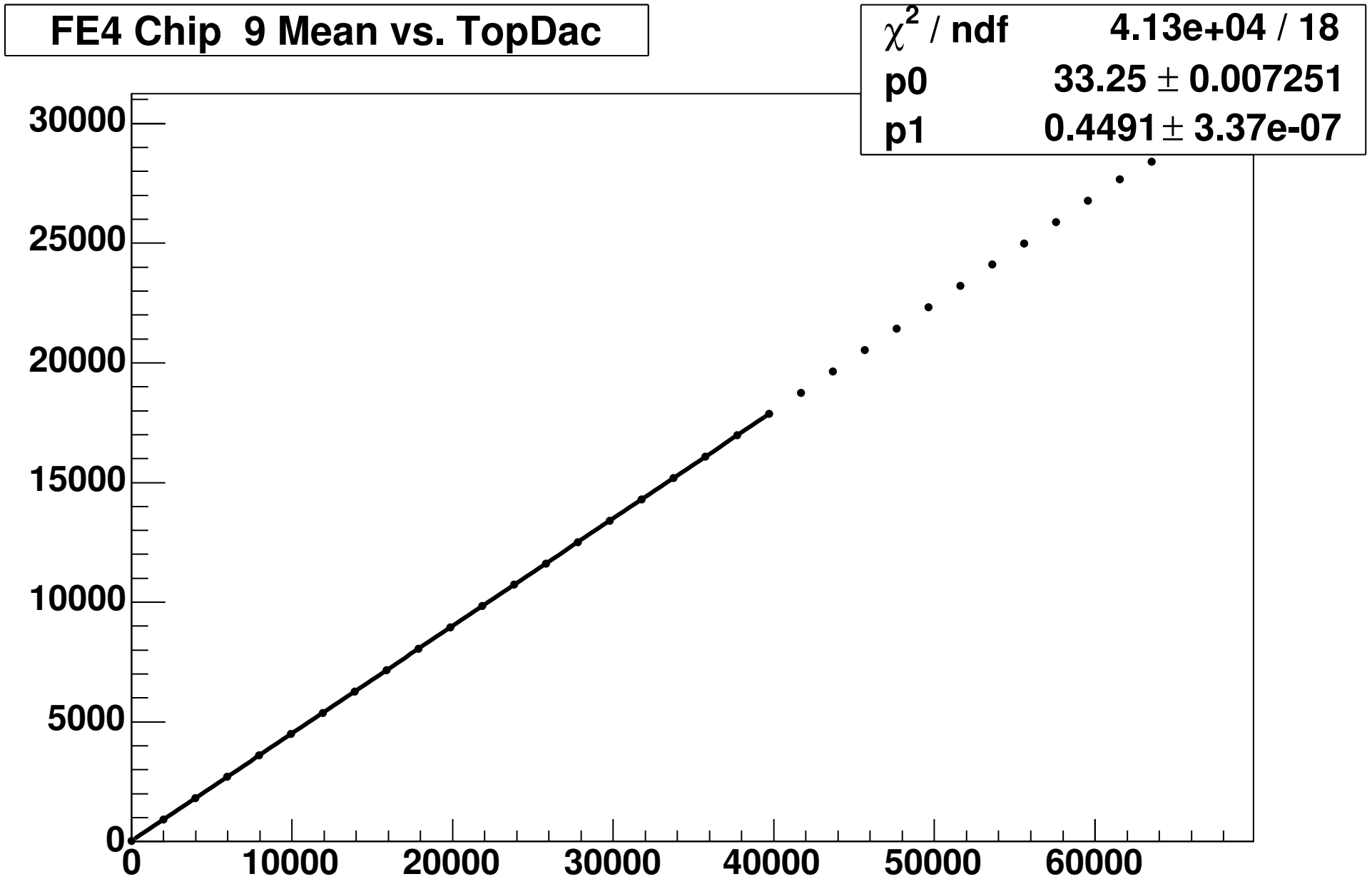
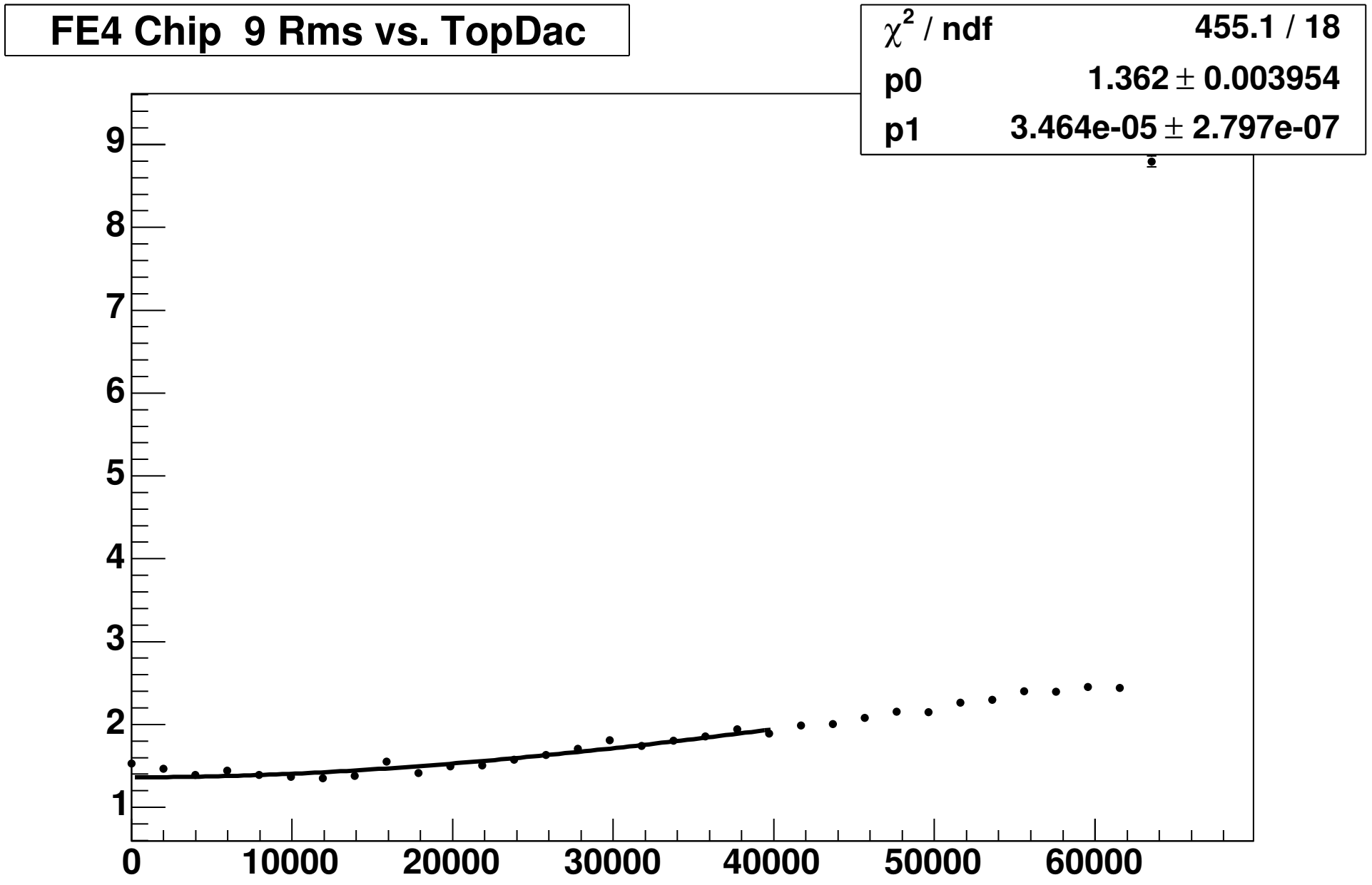
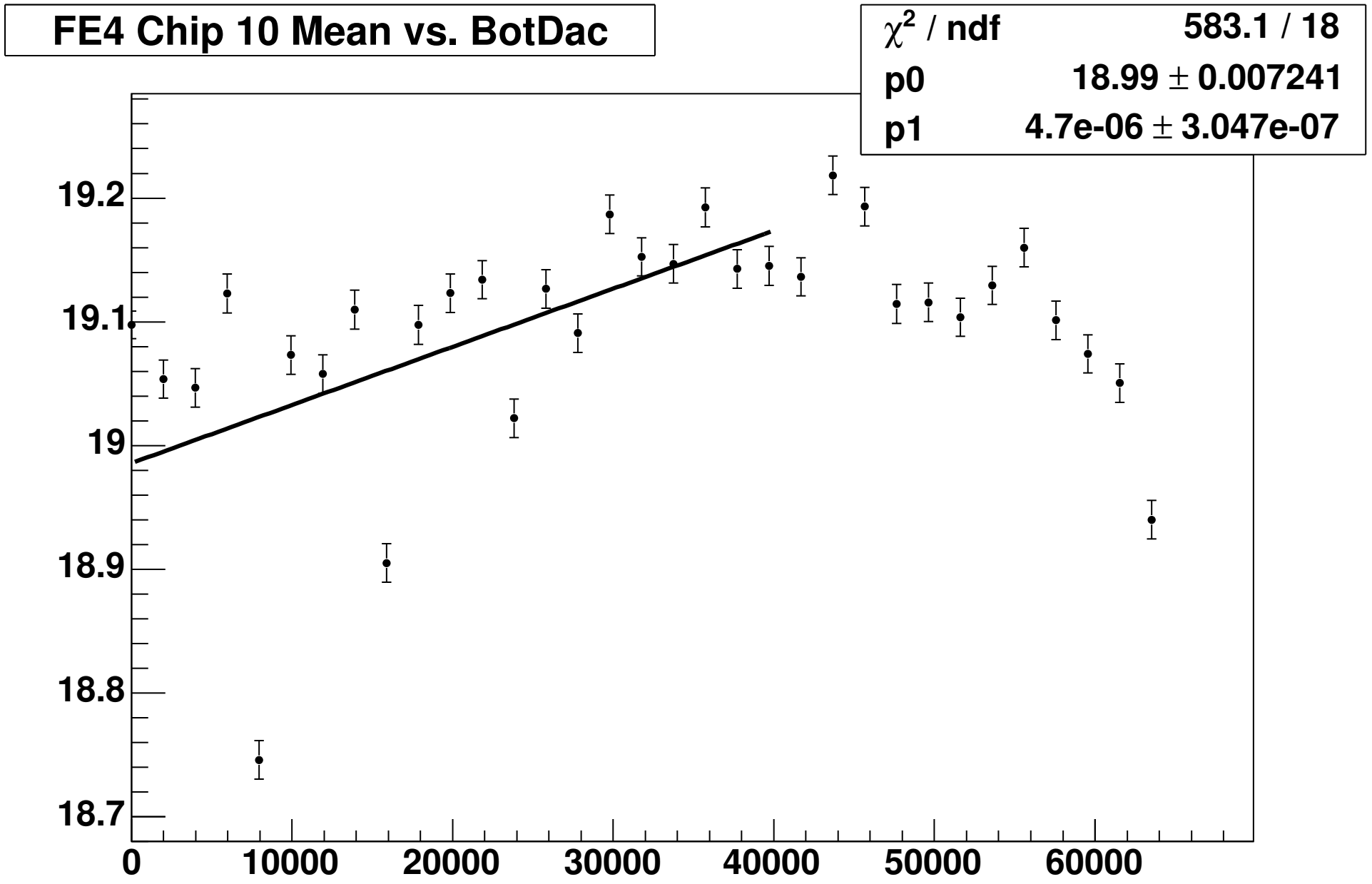
50000
60000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 4.13e+04 / 18
p0 33.25 ± 0.007251
p1 0.4491 ± 3.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 455.1 / 18
p0 1.362 ± 0.003954
p1 3.464e-05 ± 2.797e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 583.1 / 18
p0 18.99 ± 0.007241
p1 4.7e-06 ± 3.047e-07
19.2
19.1
19
18.9
18.8
18.7
0
10000
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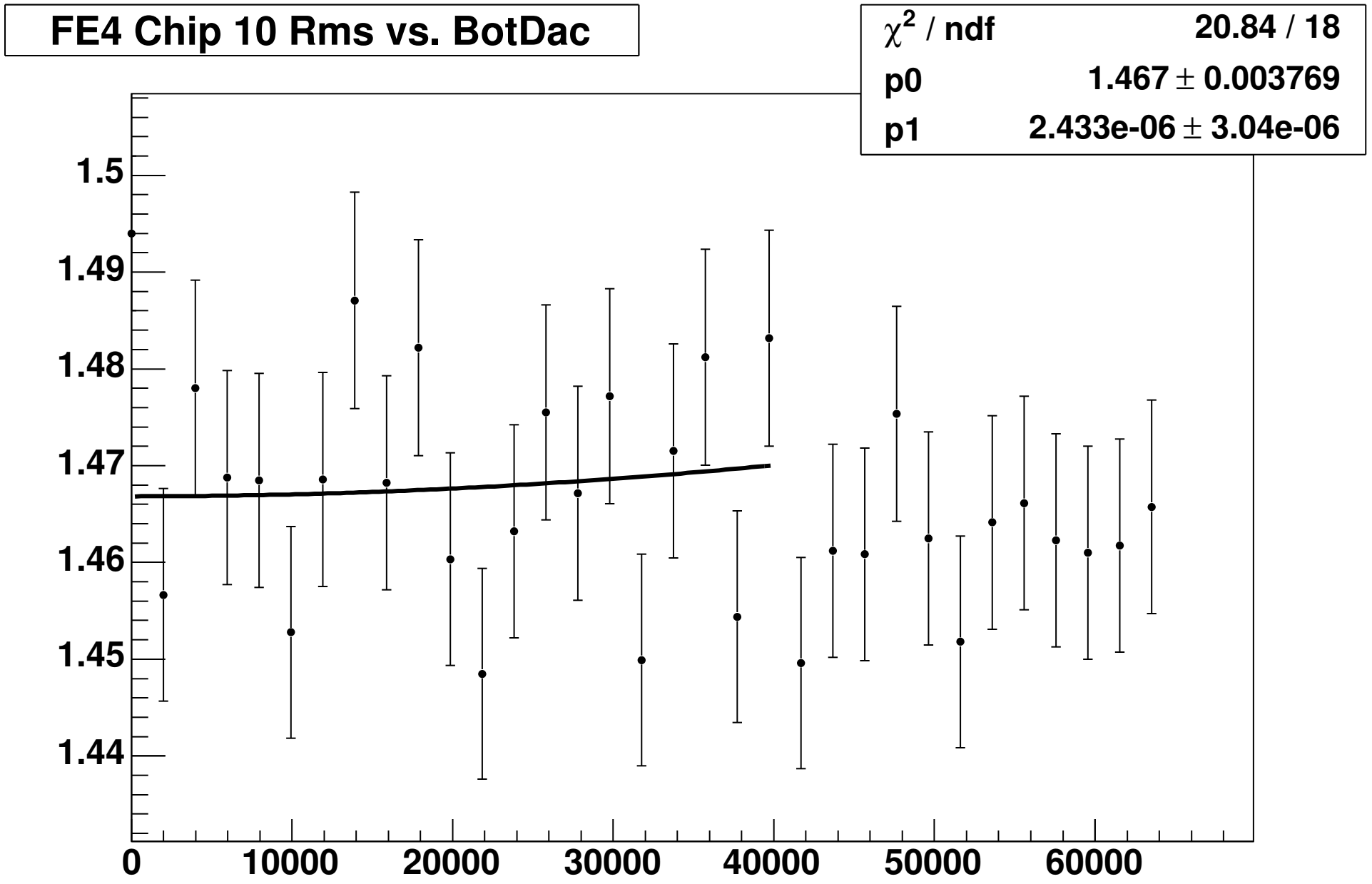
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 20.84 / 18
p0 1.467 ± 0.003769
p1 2.433e-06 ± 3.04e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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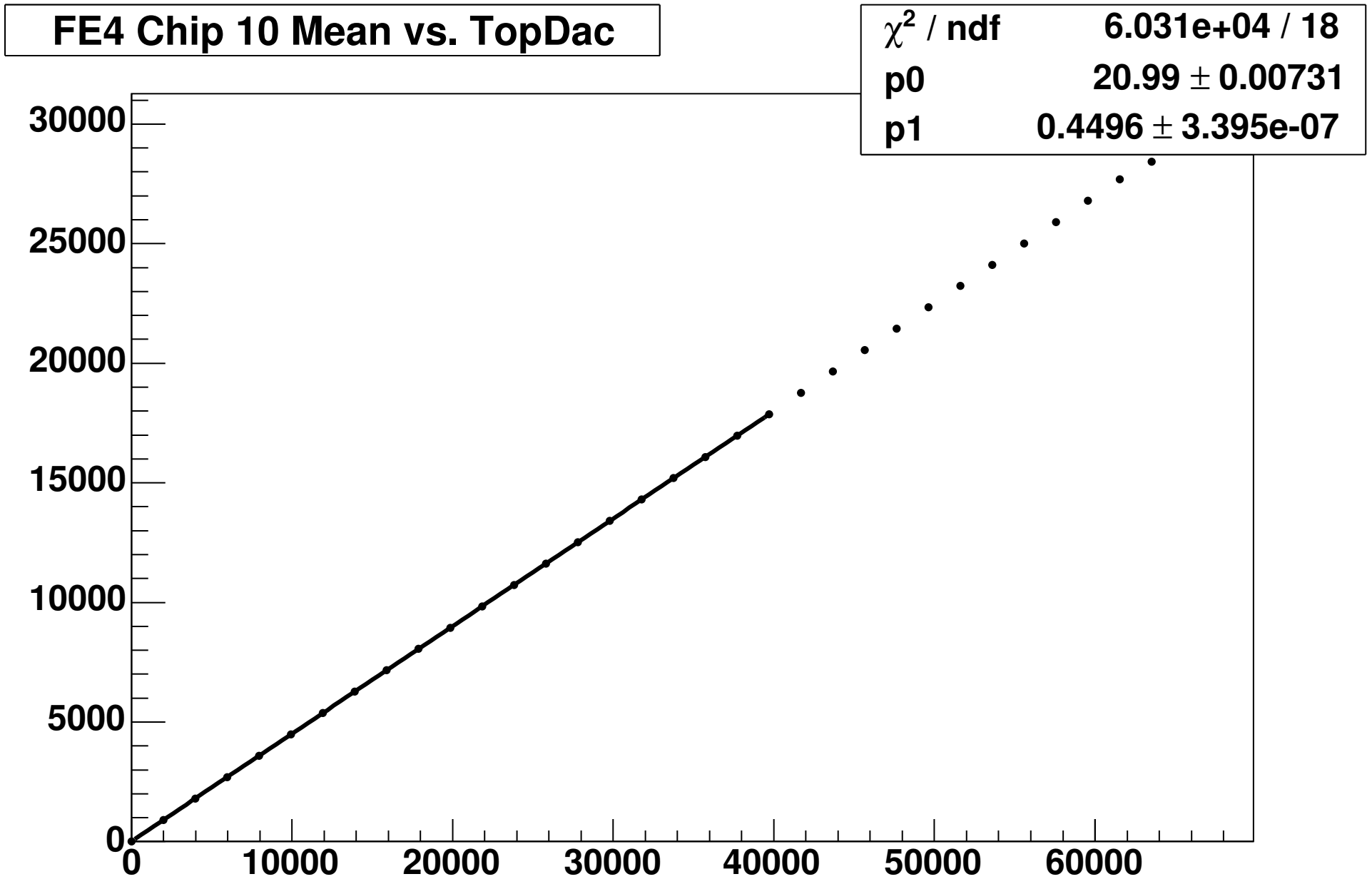
50000
60000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 6.031e+04 / 18
p0 20.99 ± 0.00731
p1 0.4496 ± 3.395e-07
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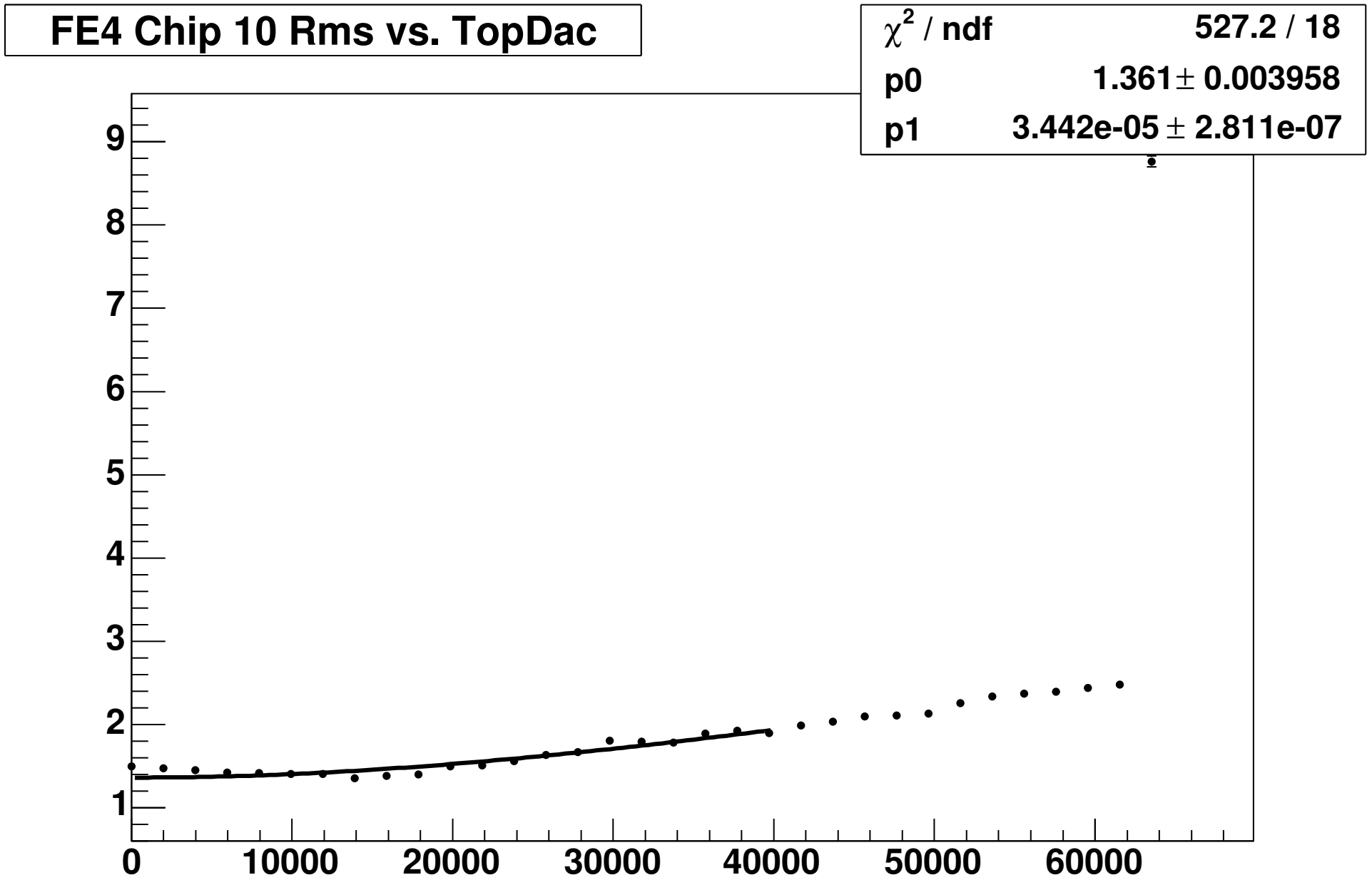
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 527.2 / 18
p0 1.361 ± 0.003958
p1 3.442e-05 ± 2.811e-07
9
8
7
6
5
4
3
2
1
0
10000
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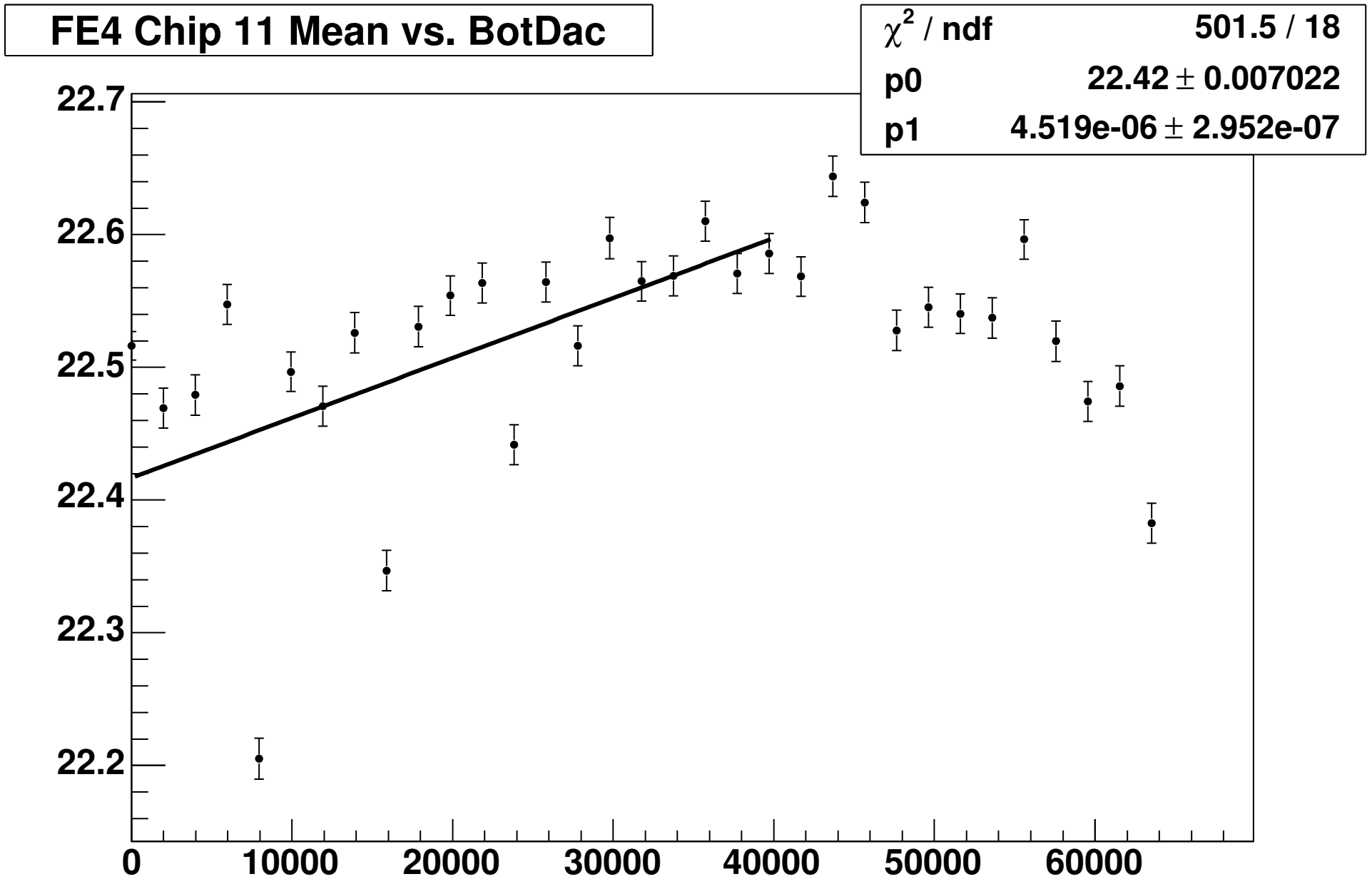
50000
60000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 501.5 / 18
p0 22.42 ± 0.007022
p1 4.519e-06 ± 2.952e-07
22.7
22.6
22.5
22.4
22.3
22.2
0
10000
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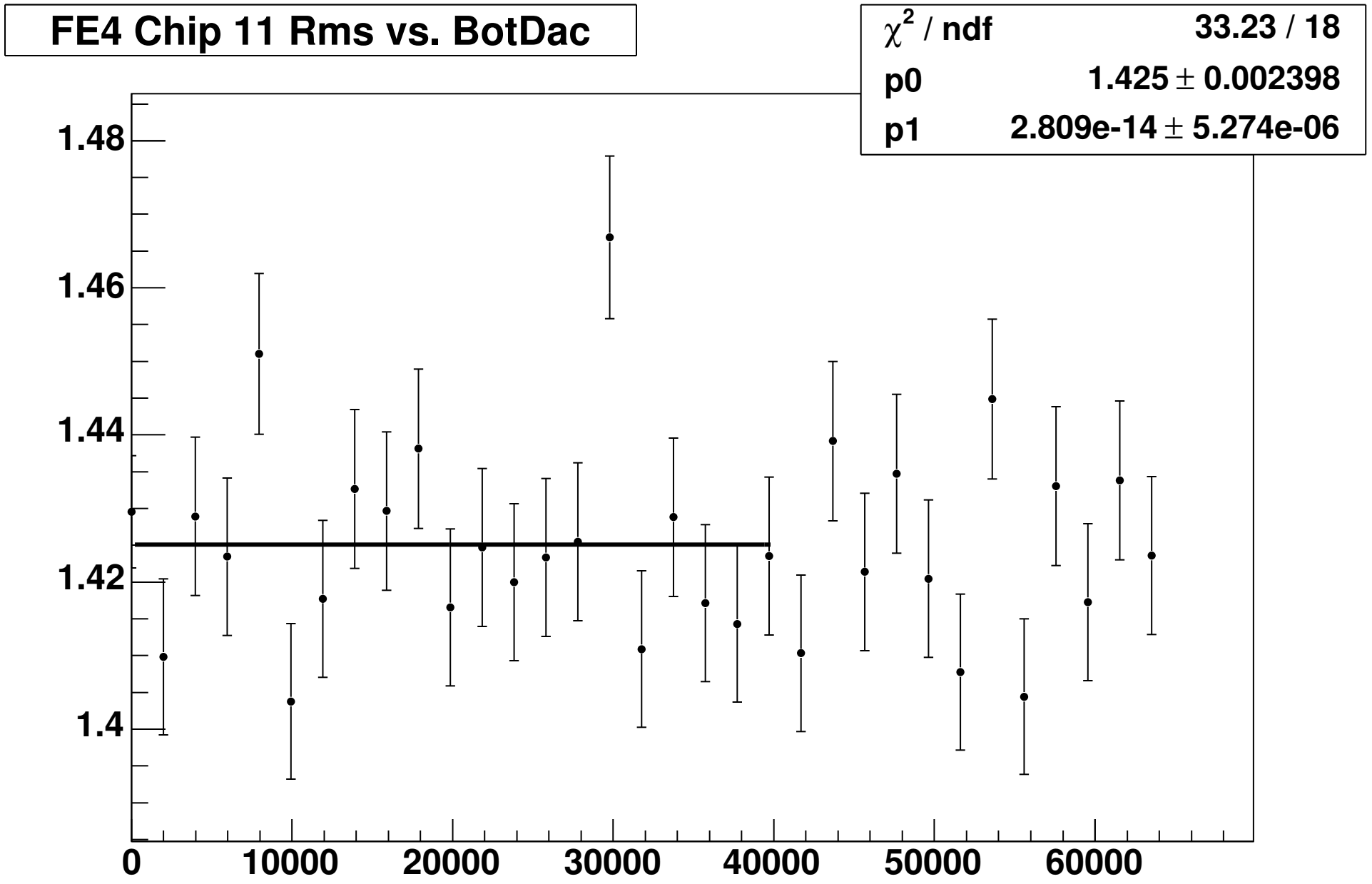
30000
40000
50000
60000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 33.23 / 18
p0 1.425 ± 0.002398
p1 2.809e-14 ± 5.274e-06
1.48
1.46
1.44
1.42
1.4
0
10000
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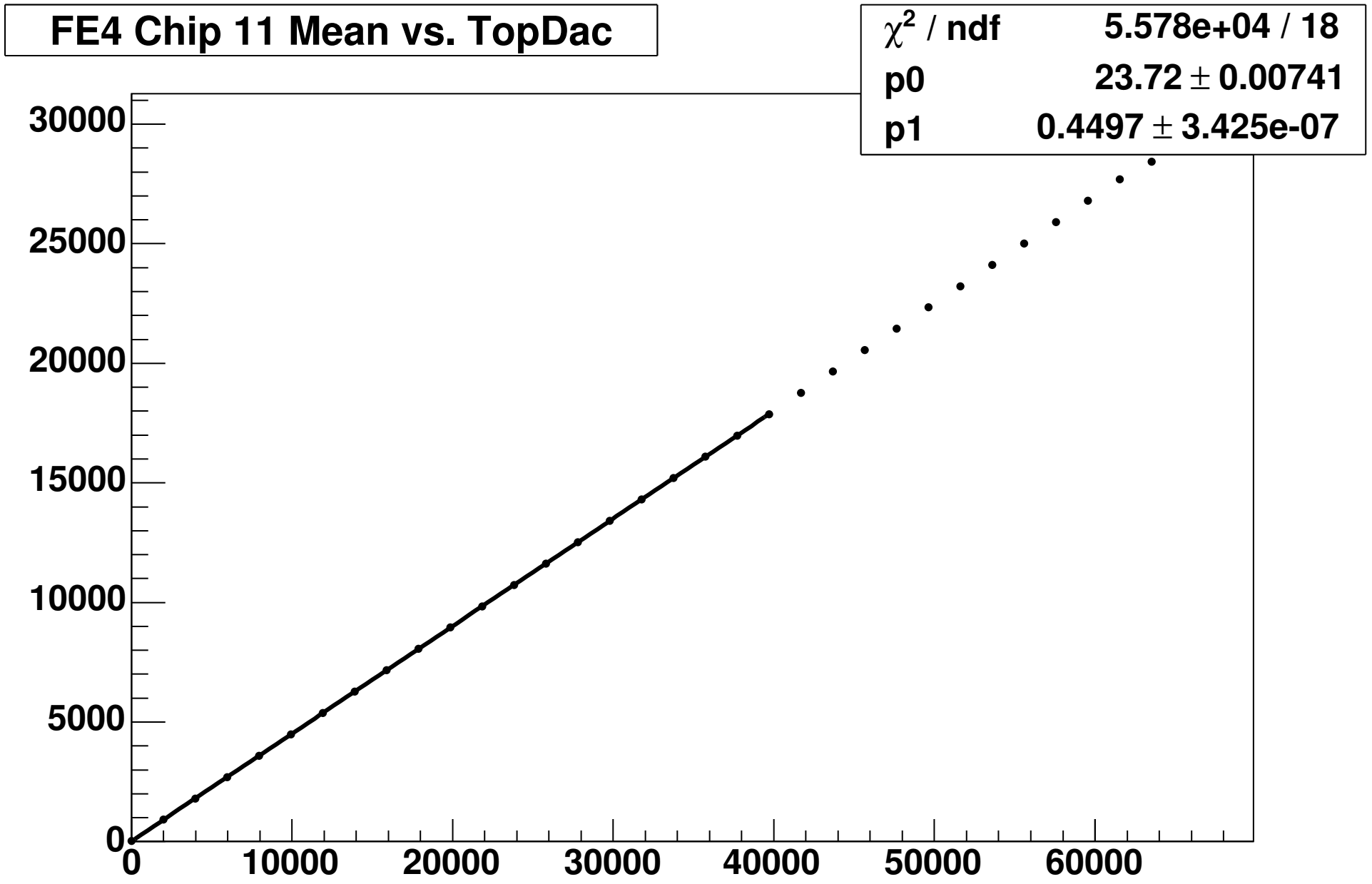
40000
50000
60000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 5.578e+04 / 18
p0 23.72 ± 0.00741
p1 0.4497 ± 3.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
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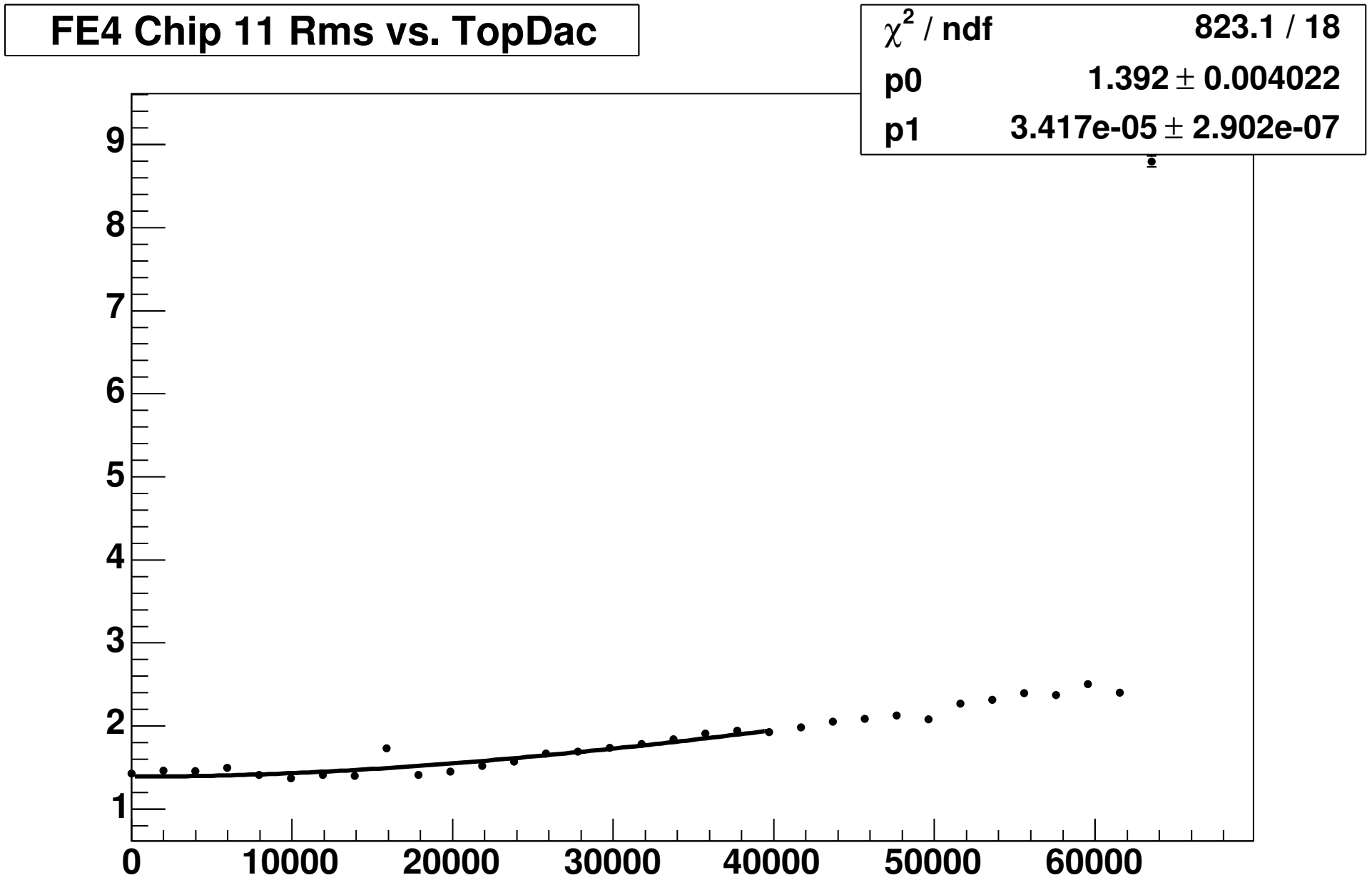
30000
40000
50000
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 823.1 / 18
p0 1.392 ± 0.004022
p1 3.417e-05 ± 2.902e-07
9
8
7
6
5
4
3
2
1
0
10000
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40000
50000
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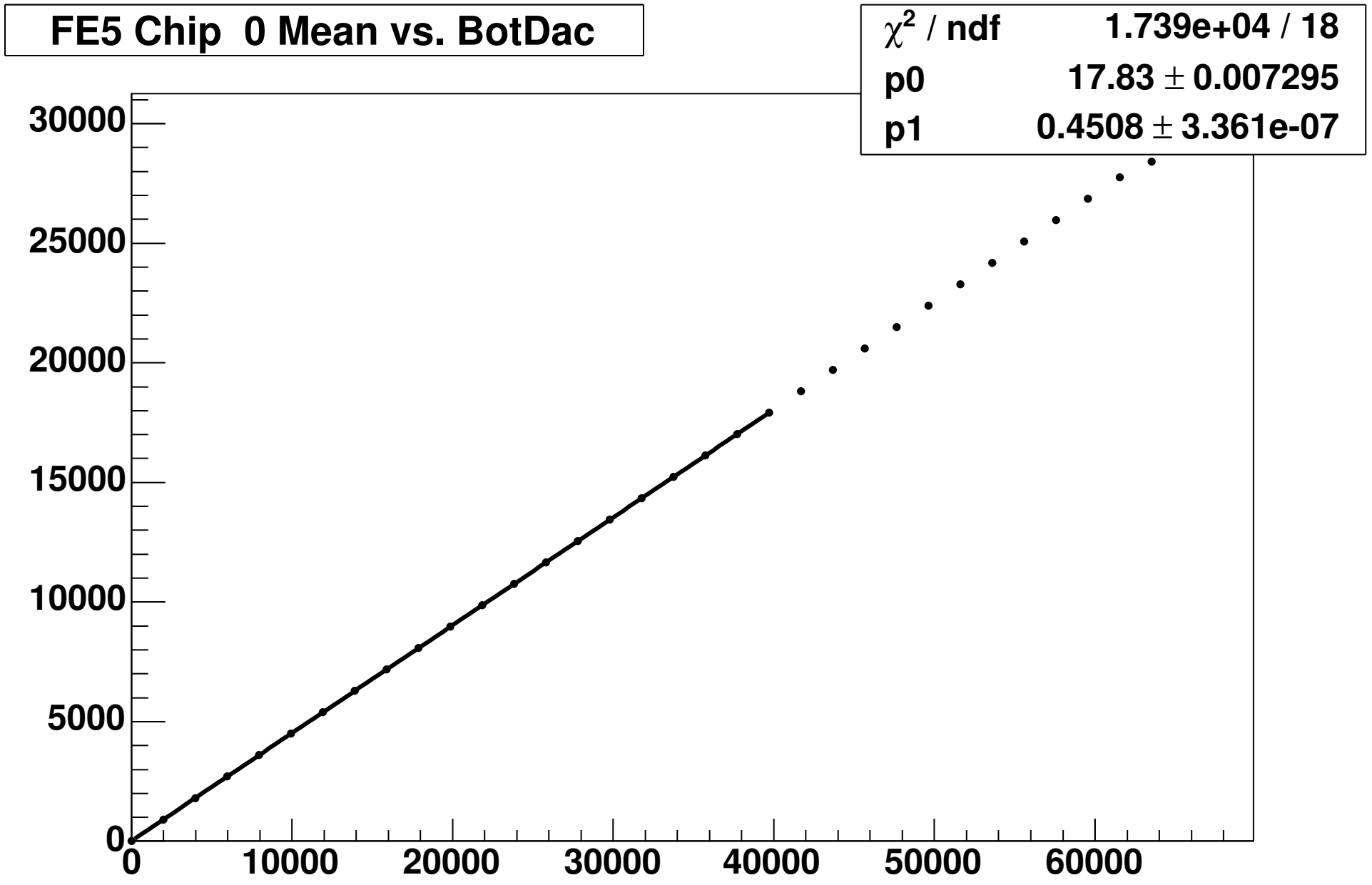
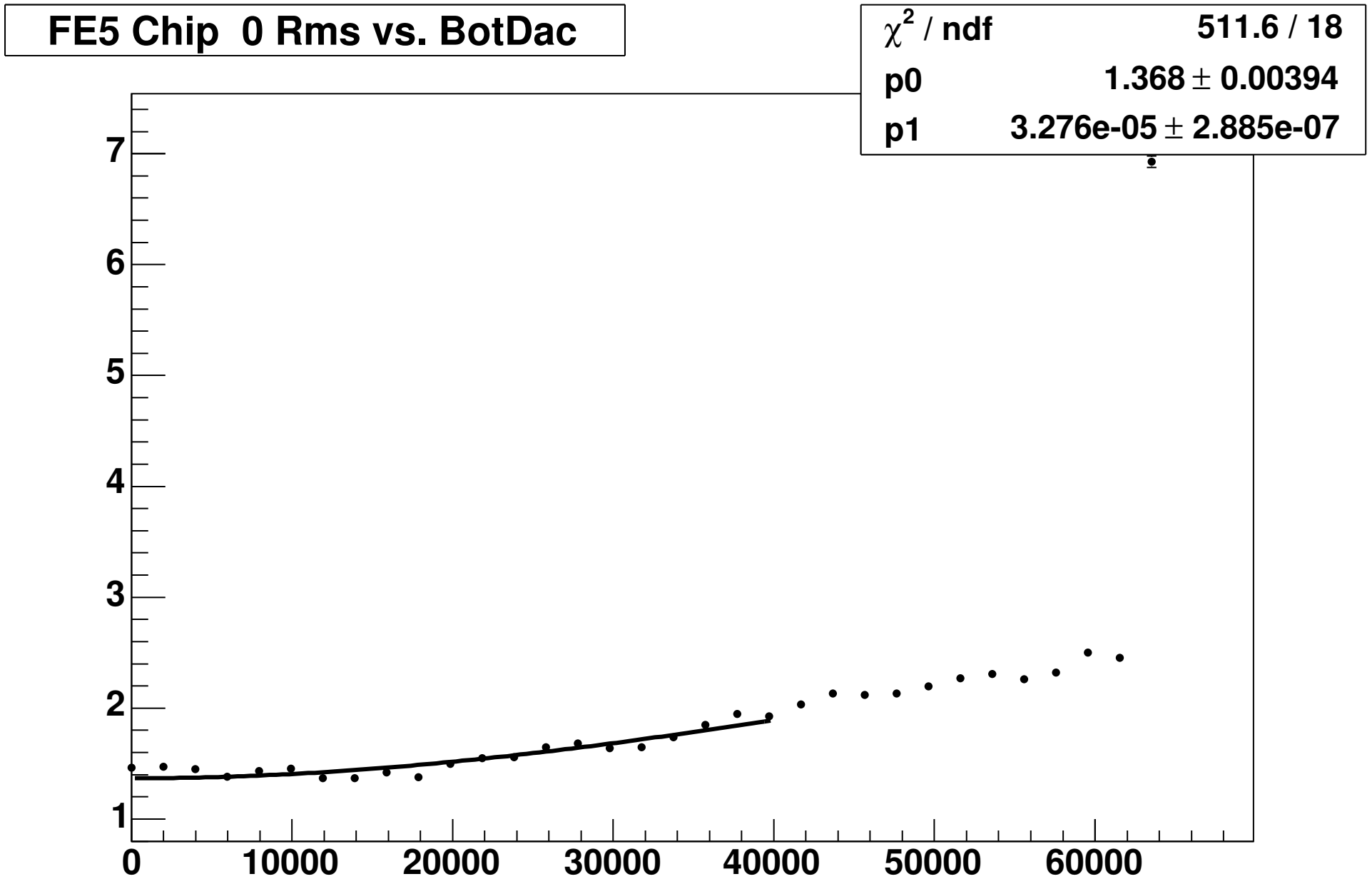

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.739e+04 / 18
p0 17.83 ± 0.007295
p1 0.4508 ± 3.361e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 511.6 / 18
p0 1.368 ± 0.00394
p1 3.276e-05 ± 2.885e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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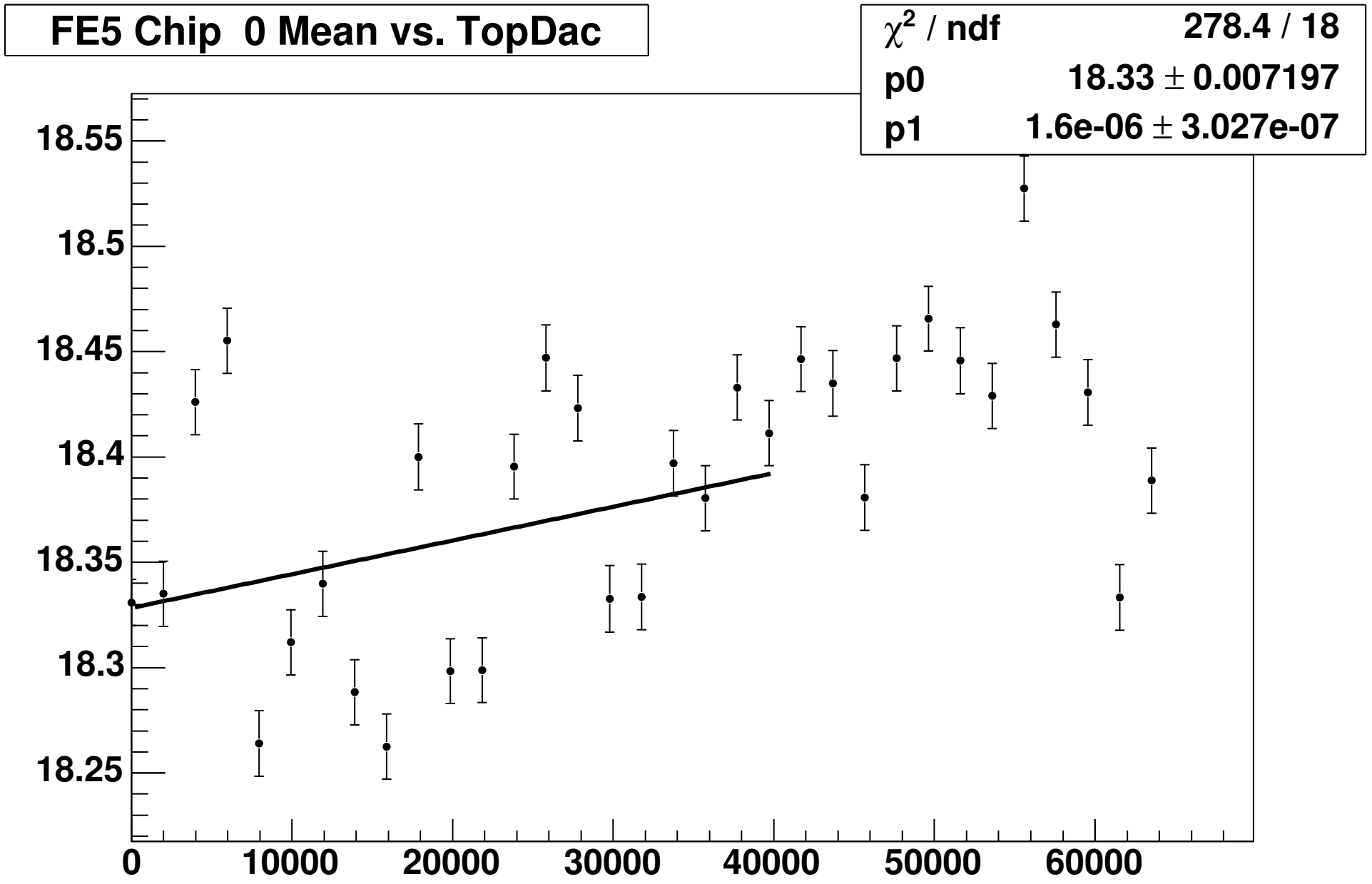
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 278.4 / 18
p0 18.33 ± 0.007197
p1 1.6e-06 ± 3.027e-07
18.55
18.5
18.45
18.4
18.35
18.3
18.25
0
10000
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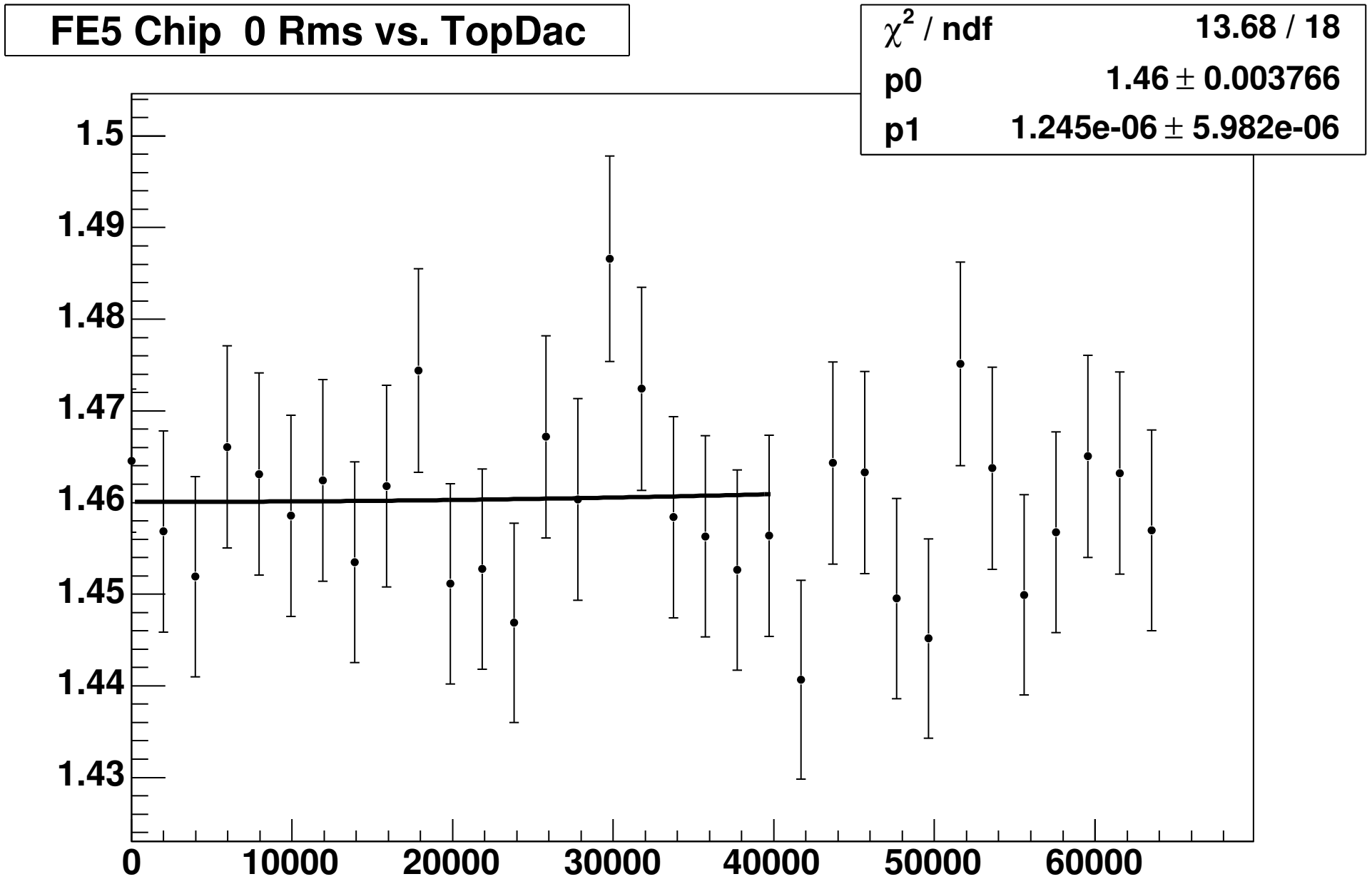
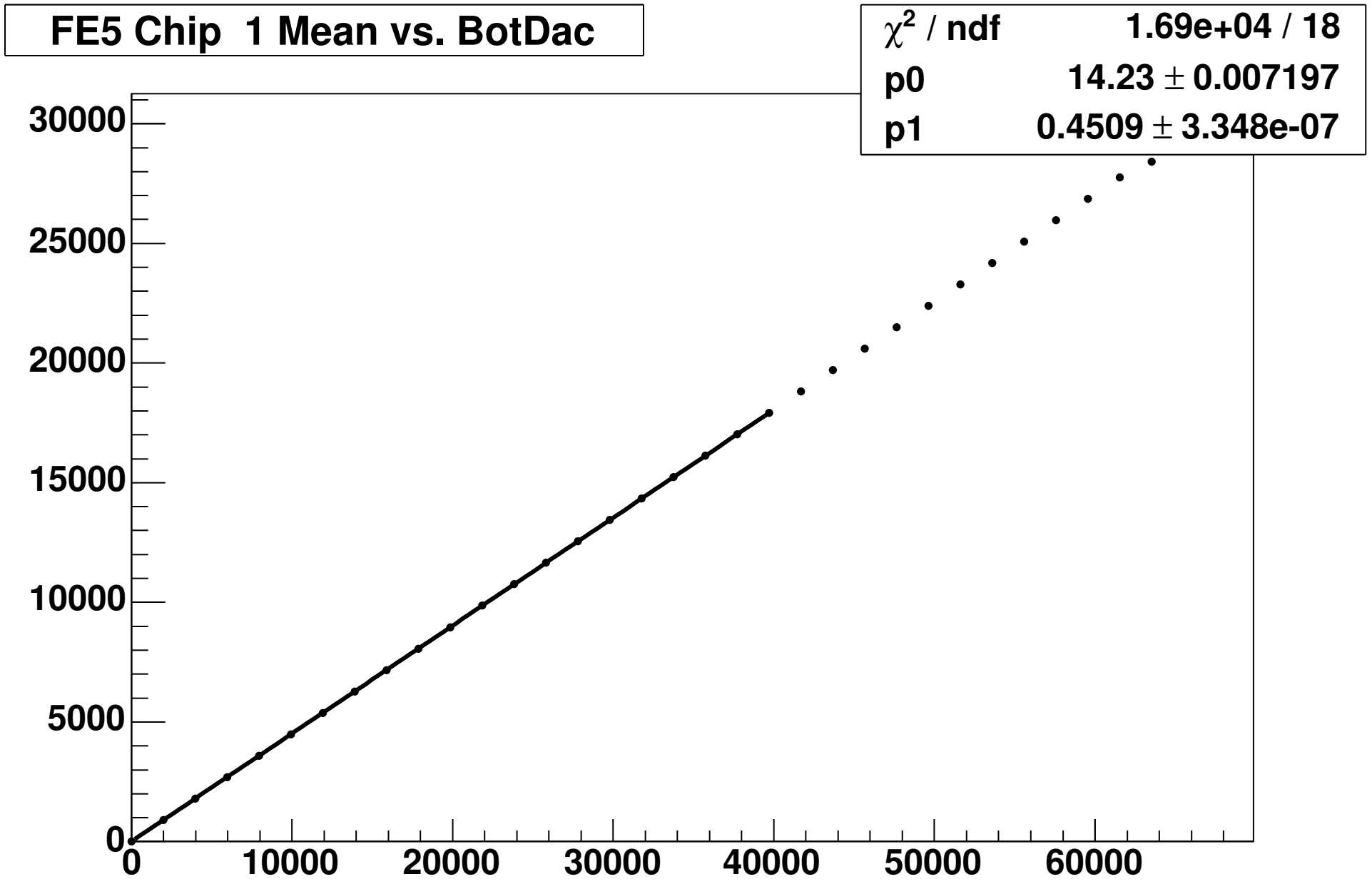
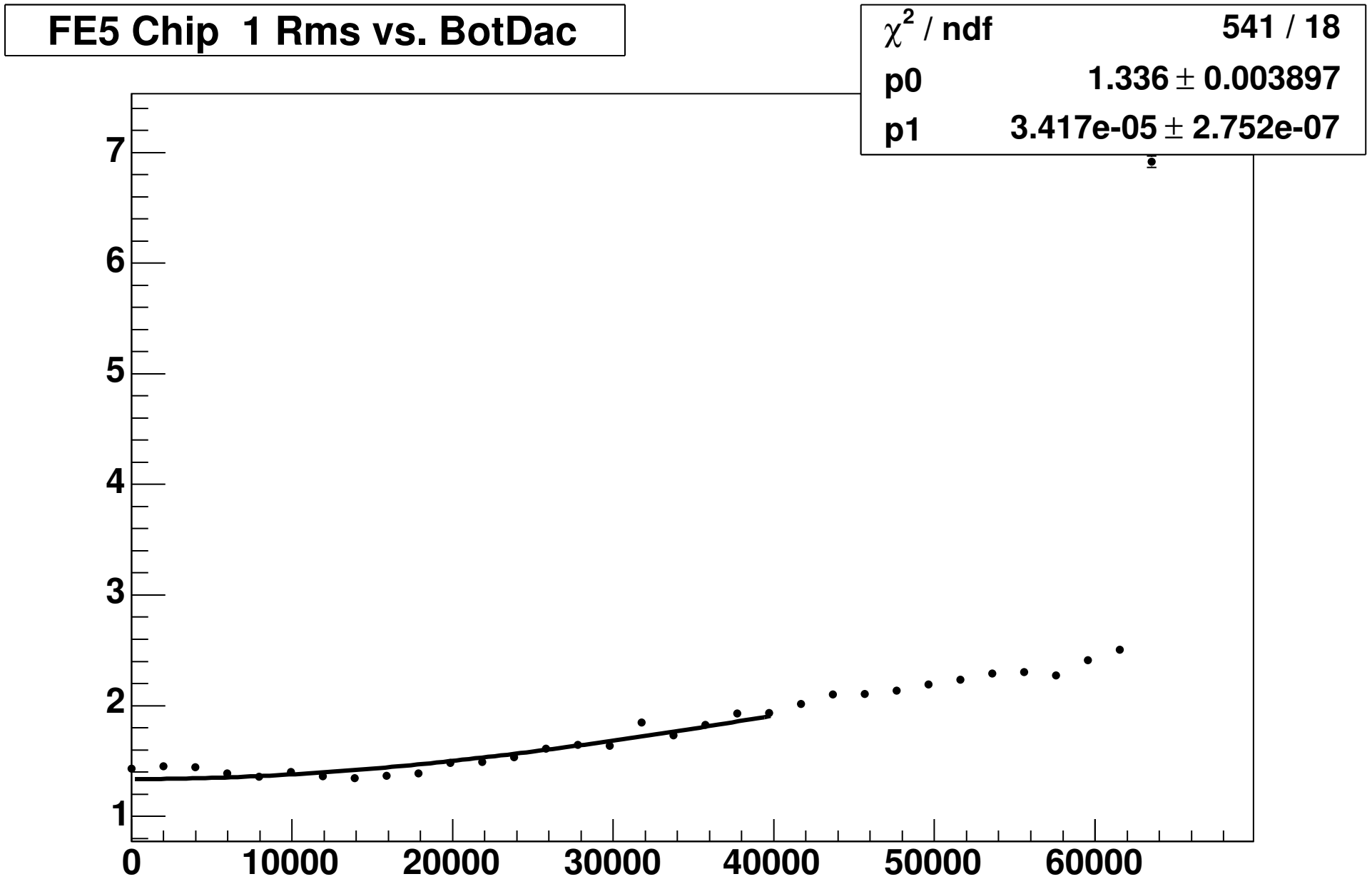
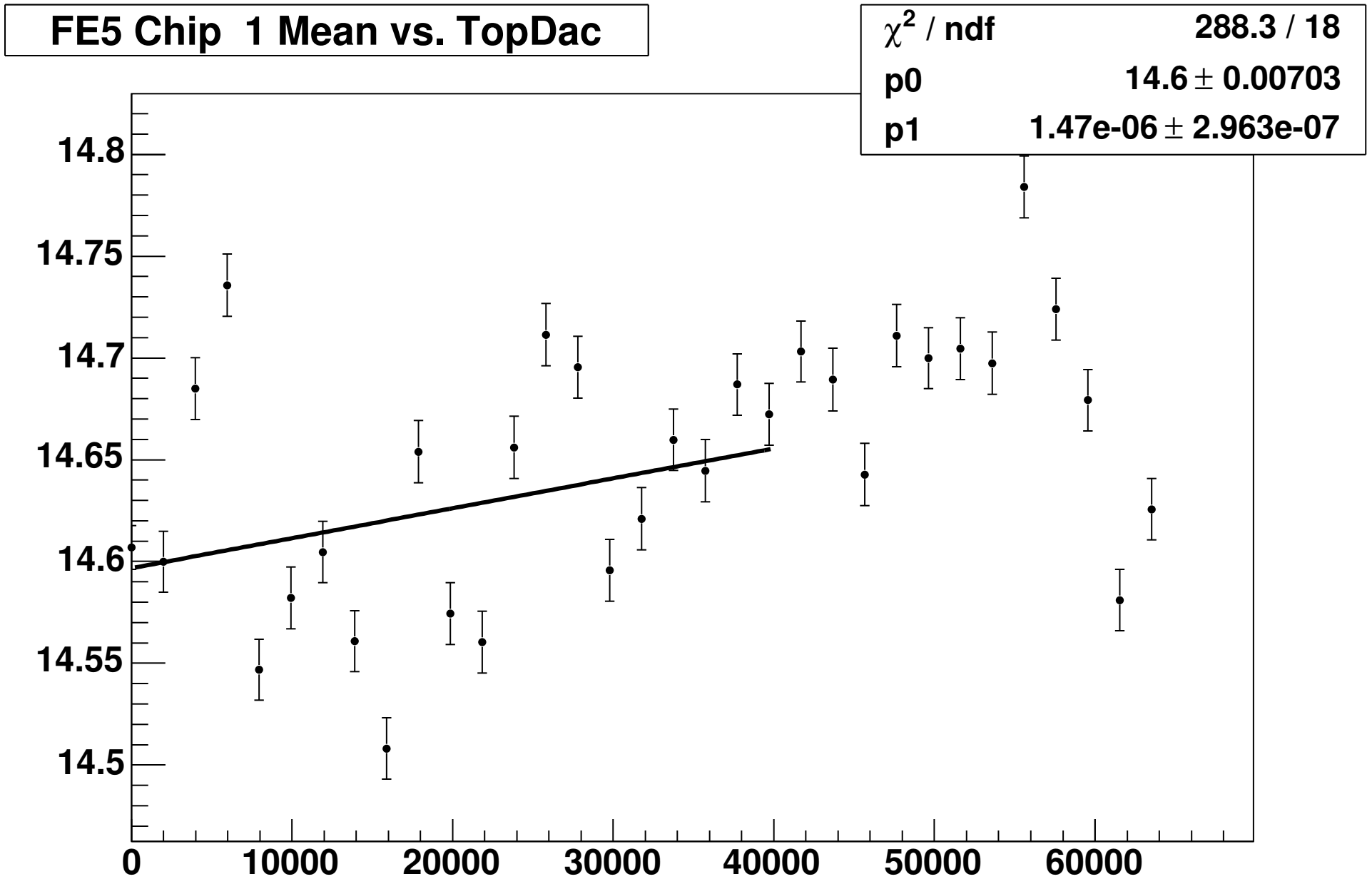
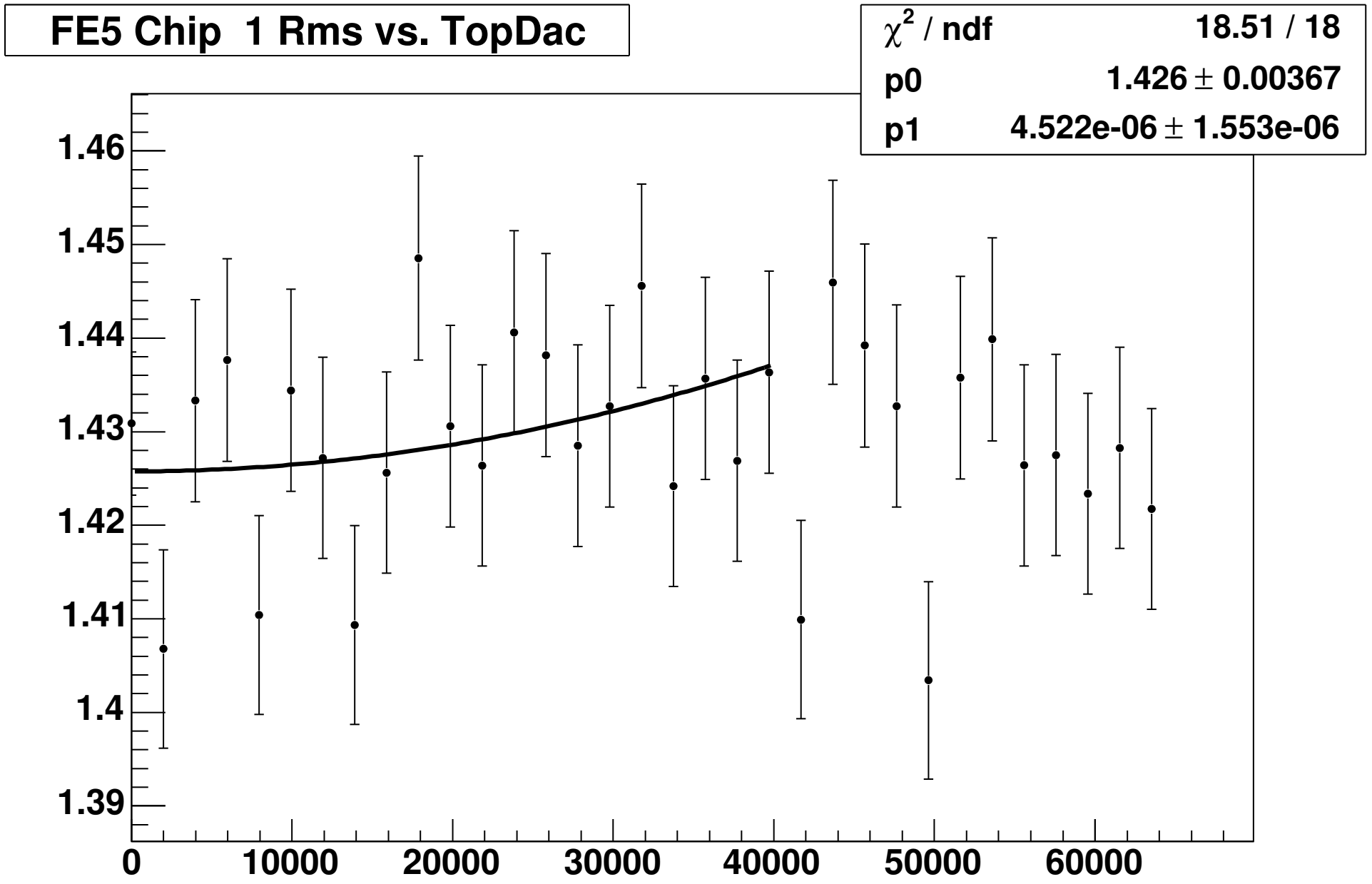
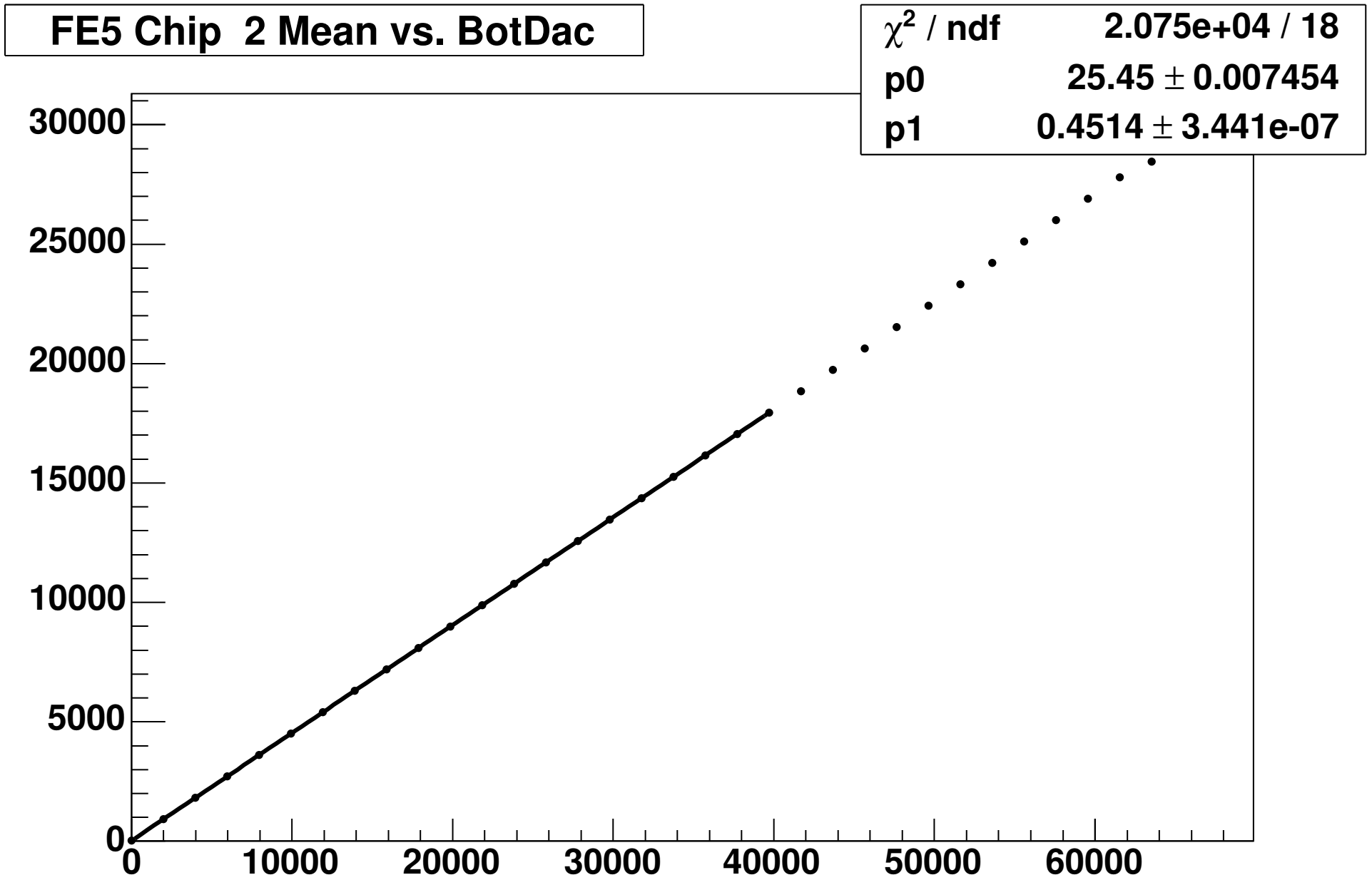

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 13.68 / 18
p0 1.46 ± 0.003766
p1 1.245e-06 ± 5.982e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

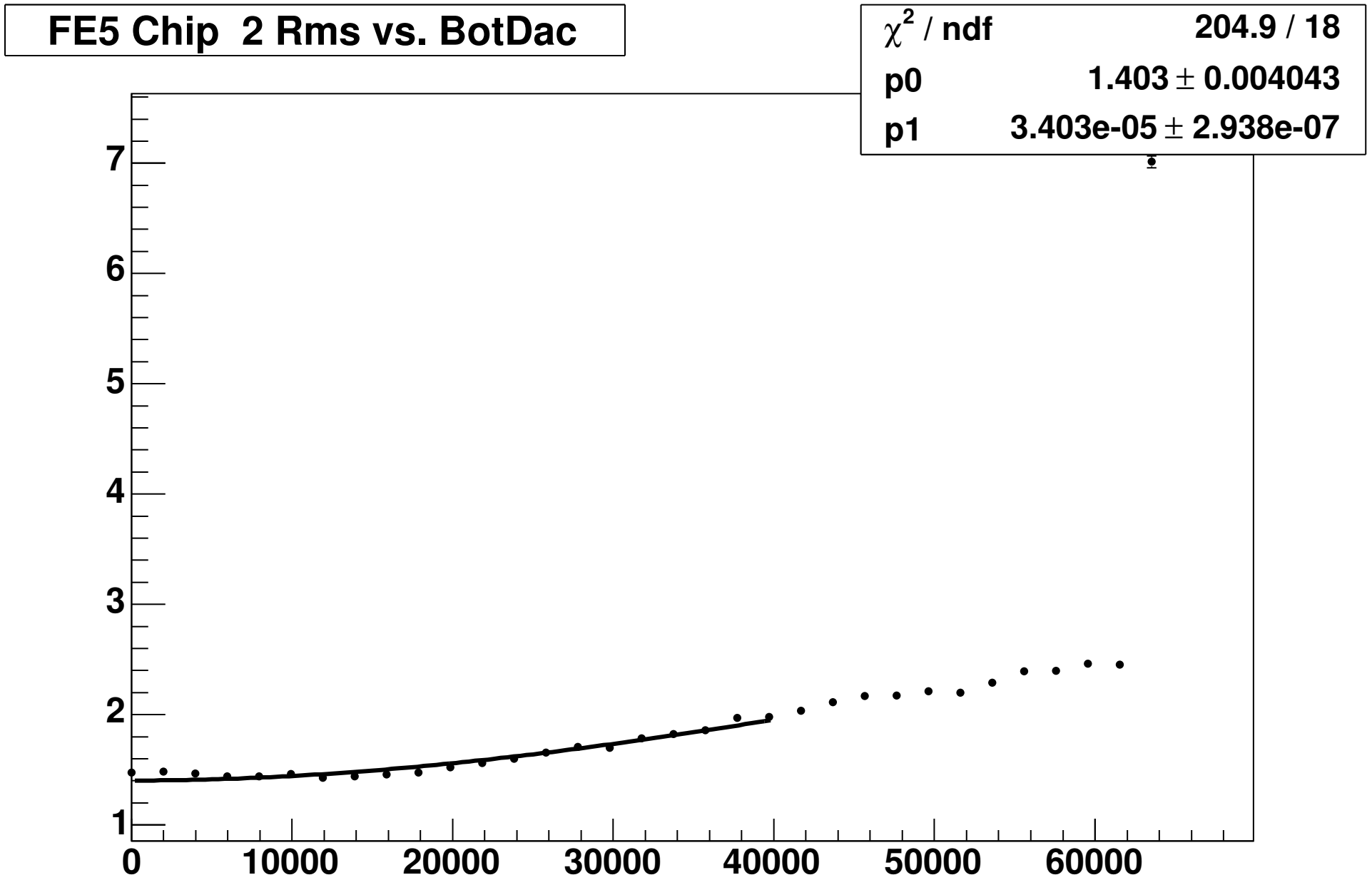

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.69e+04 / 18
p0 14.23 ± 0.007197
p1 0.4509 ± 3.348e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

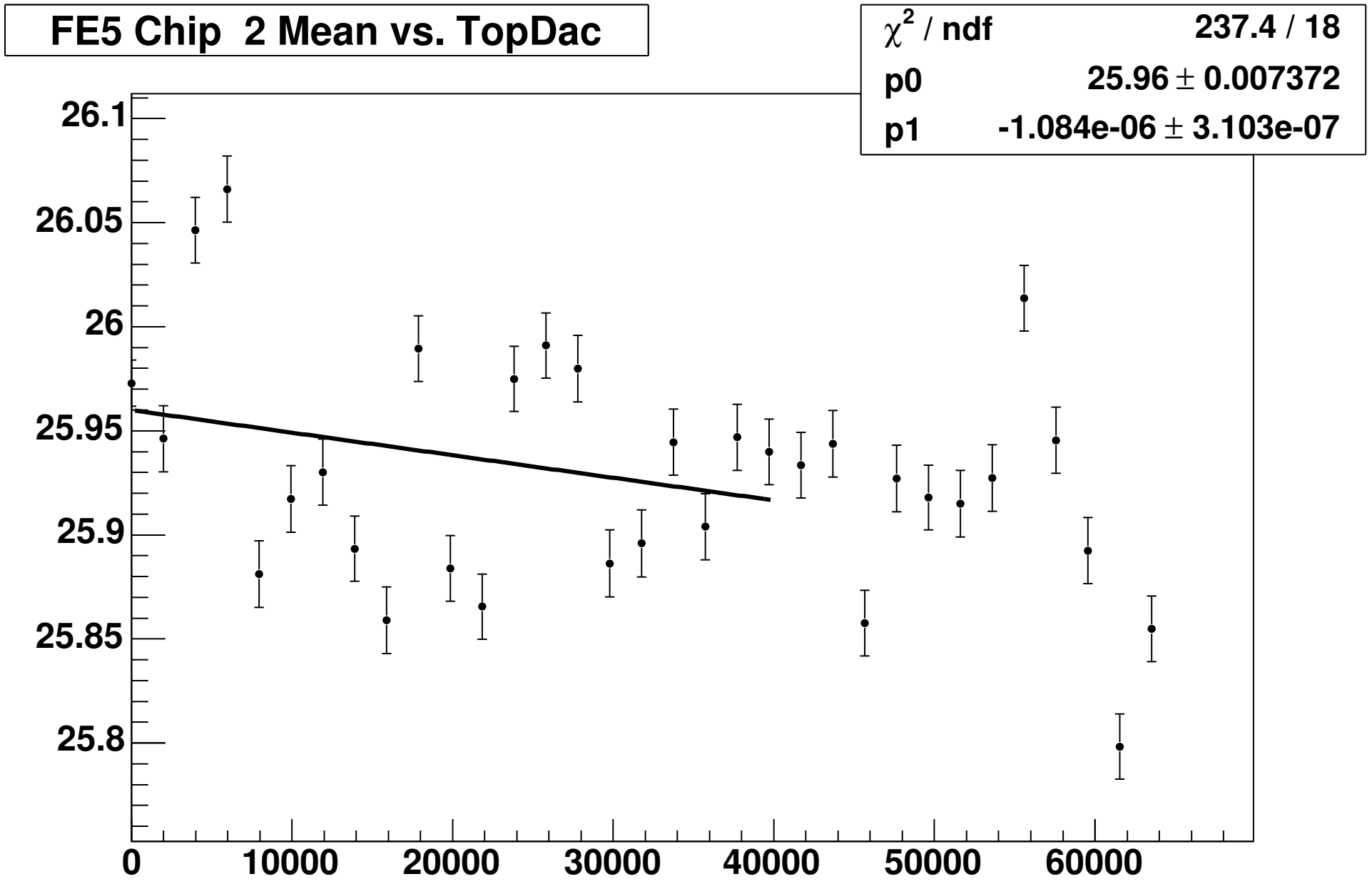

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 541 / 18
p0 1.336 ± 0.003897
p1 3.417e-05 ± 2.752e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

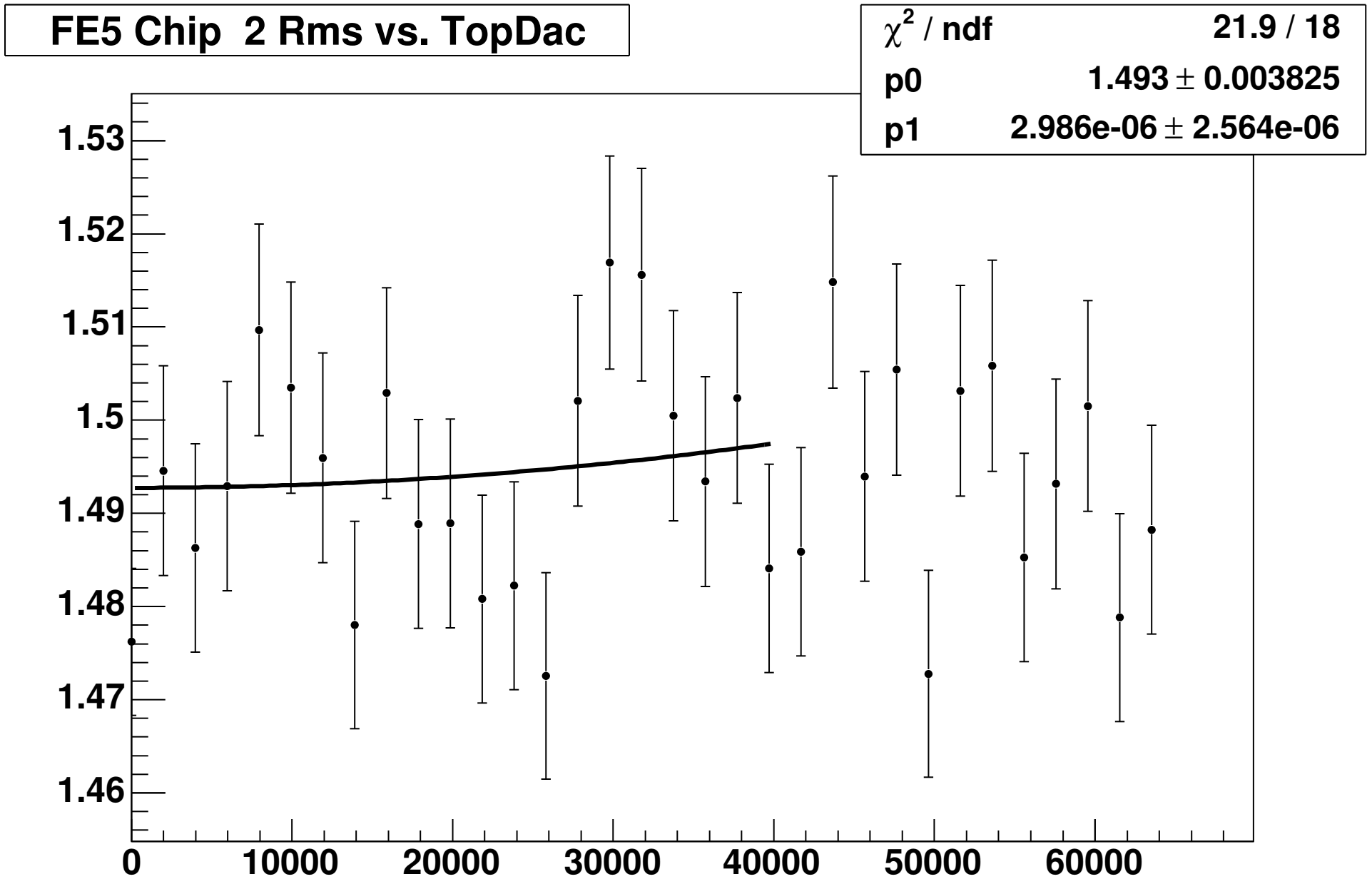

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 288.3 / 18
p0 14.6 ± 0.00703
p1 1.47e-06 ± 2.963e-07
14.8
14.75
14.7
14.65
14.6
14.55
14.5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 18.51 / 18
p0 1.426 ± 0.00367
p1 4.522e-06 ± 1.553e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 2.075e+04 / 18
p0 25.45 ± 0.007454
p1 0.4514 ± 3.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 204.9 / 18
p0 1.403 ± 0.004043
p1 3.403e-05 ± 2.938e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 237.4 / 18
p0 25.96 ± 0.007372
p1 -1.084e-06 ± 3.103e-07
26.1
26.05
26
25.95
25.9
25.85
25.8
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 21.9 / 18
p0 1.493 ± 0.003825
p1 2.986e-06 ± 2.564e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
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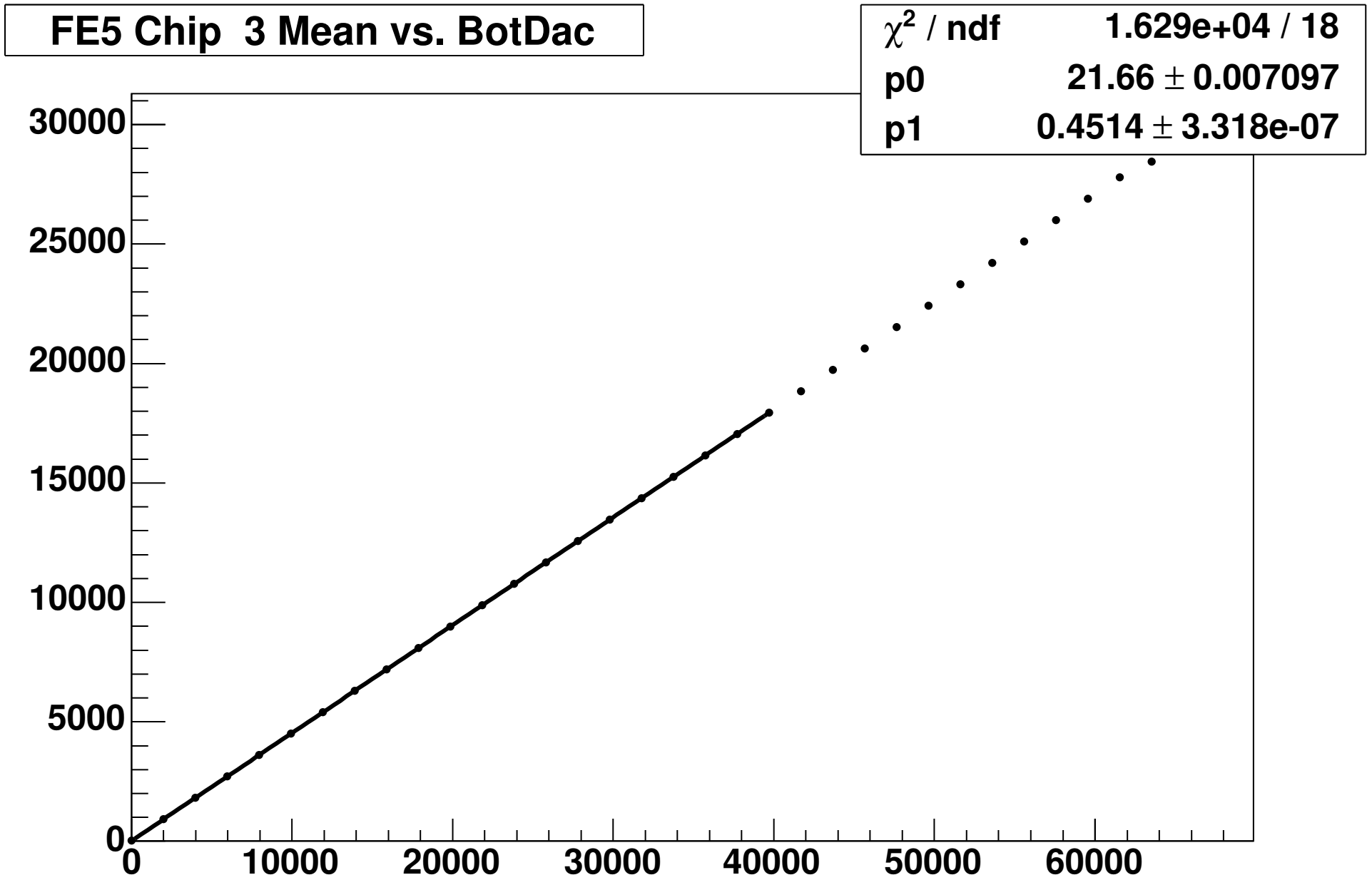
60000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.629e+04 / 18
p0 21.66 ± 0.007097
p1 0.4514 ± 3.318e-07
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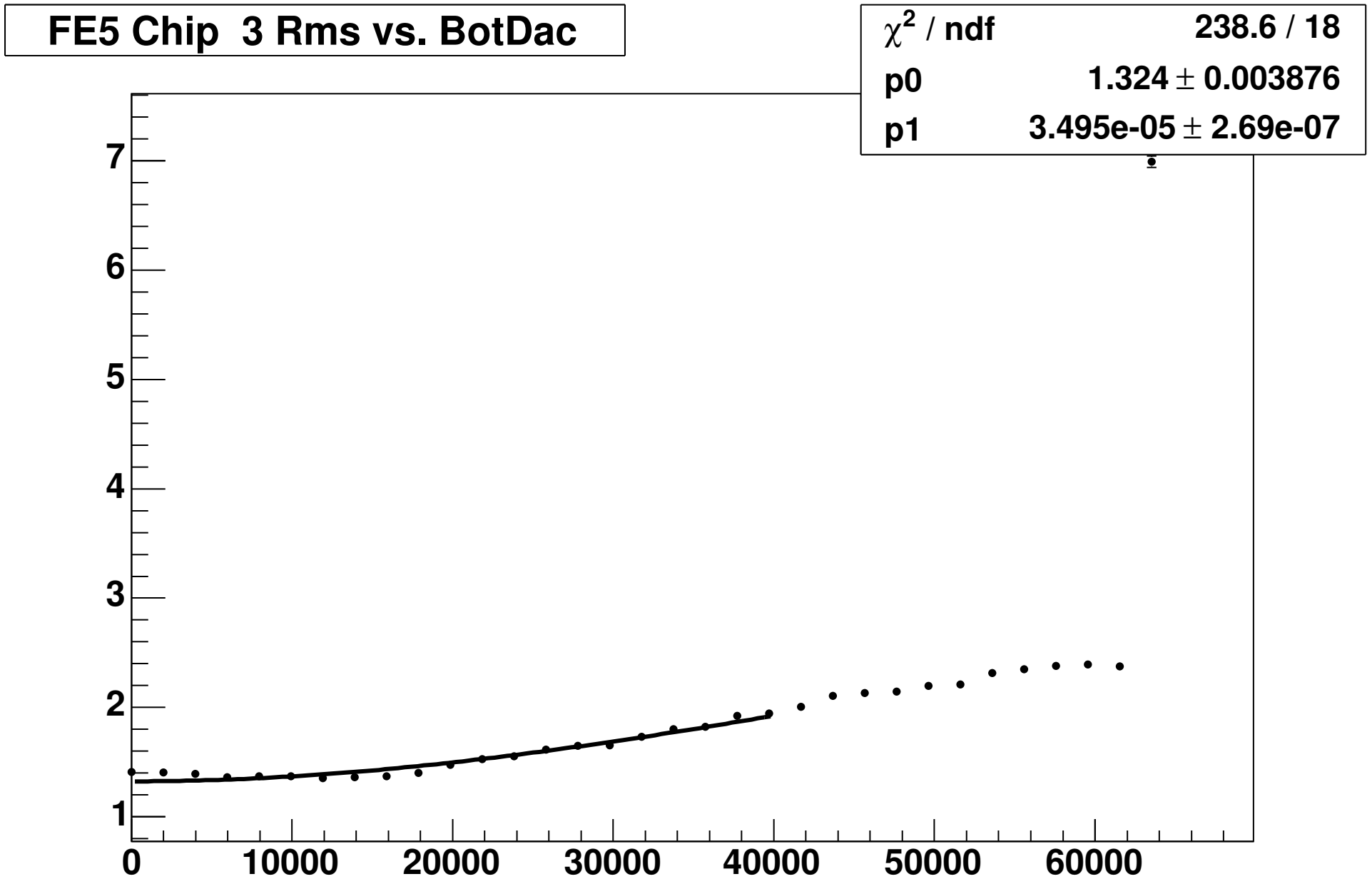
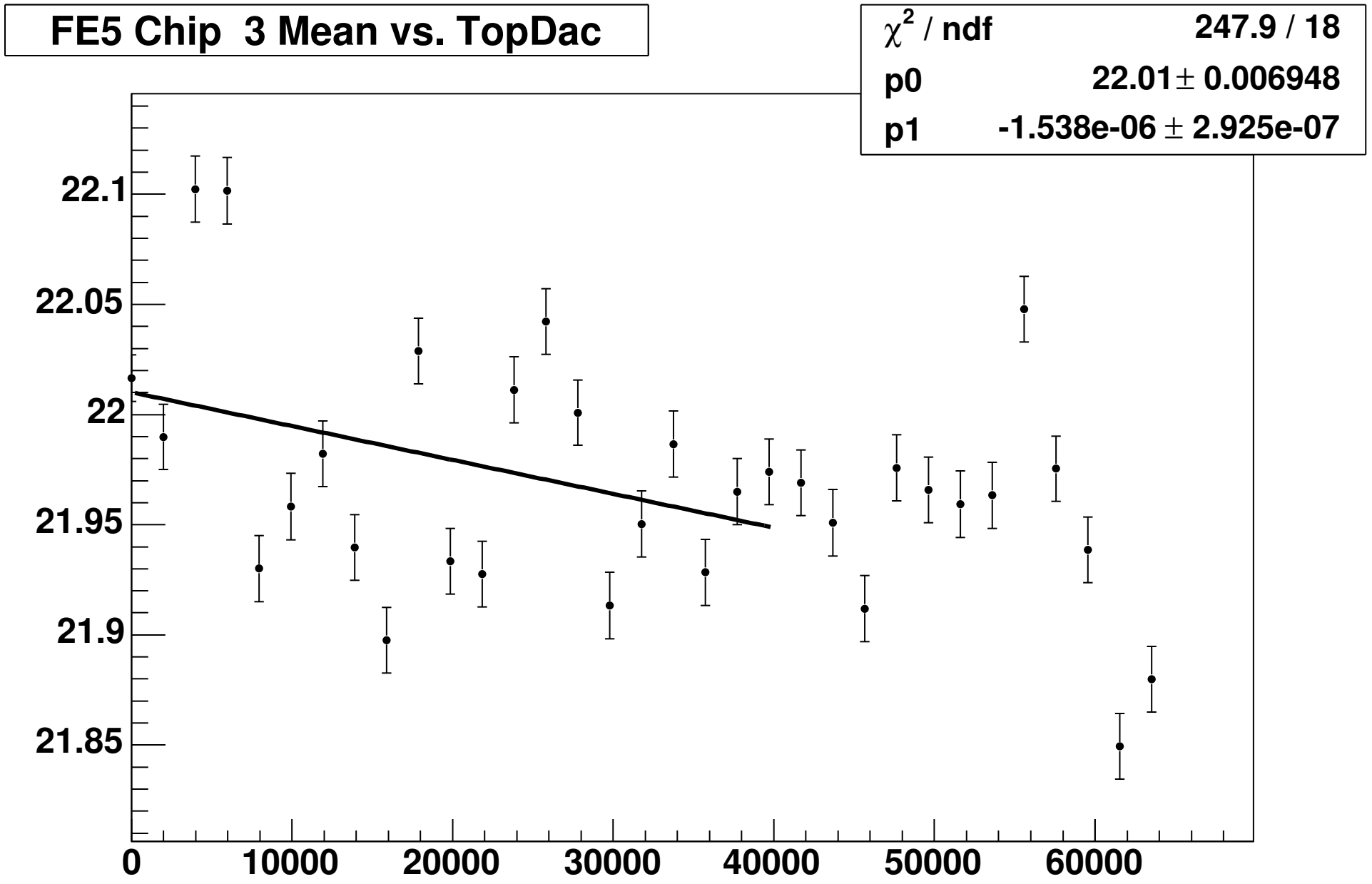
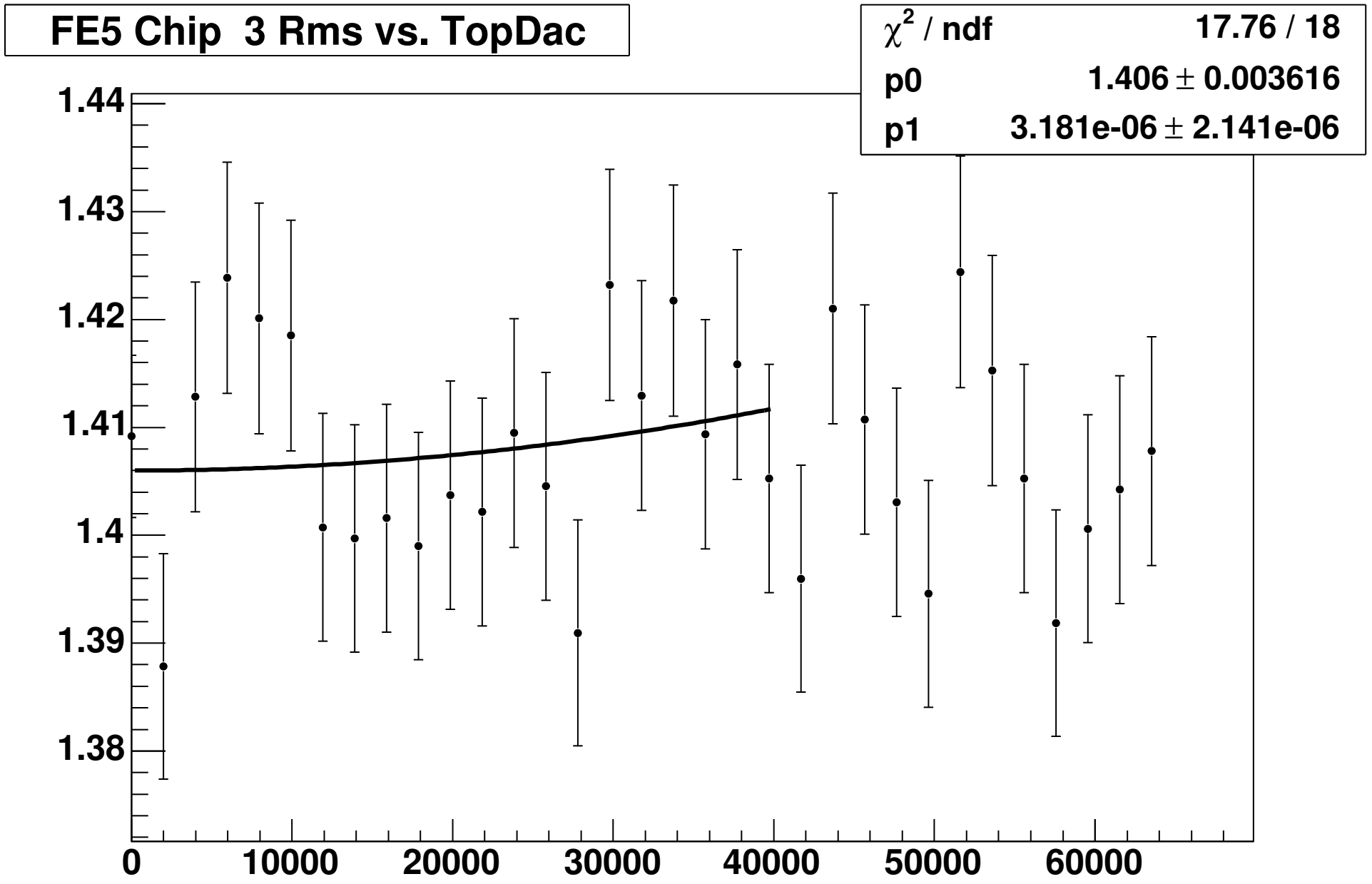
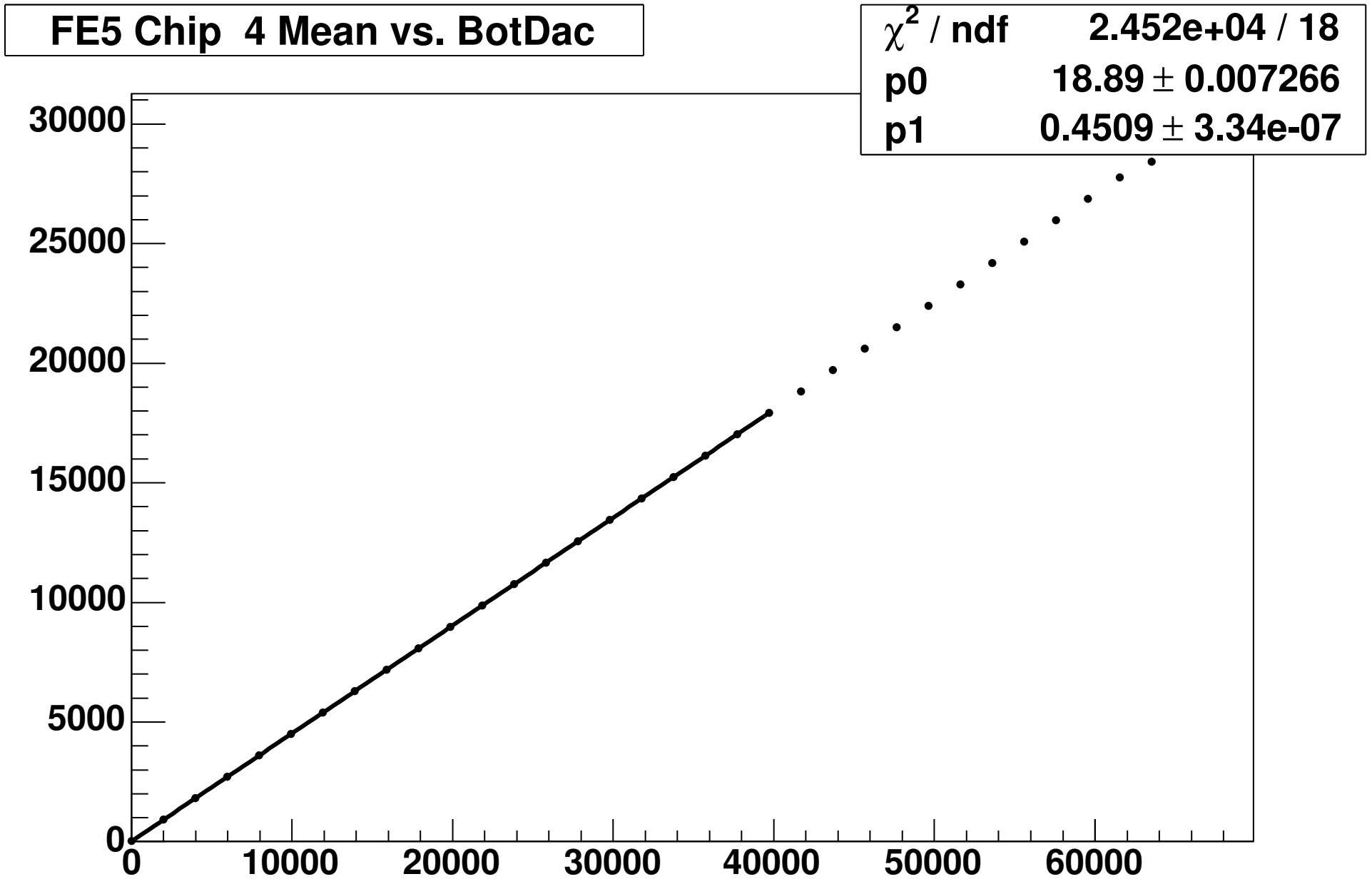
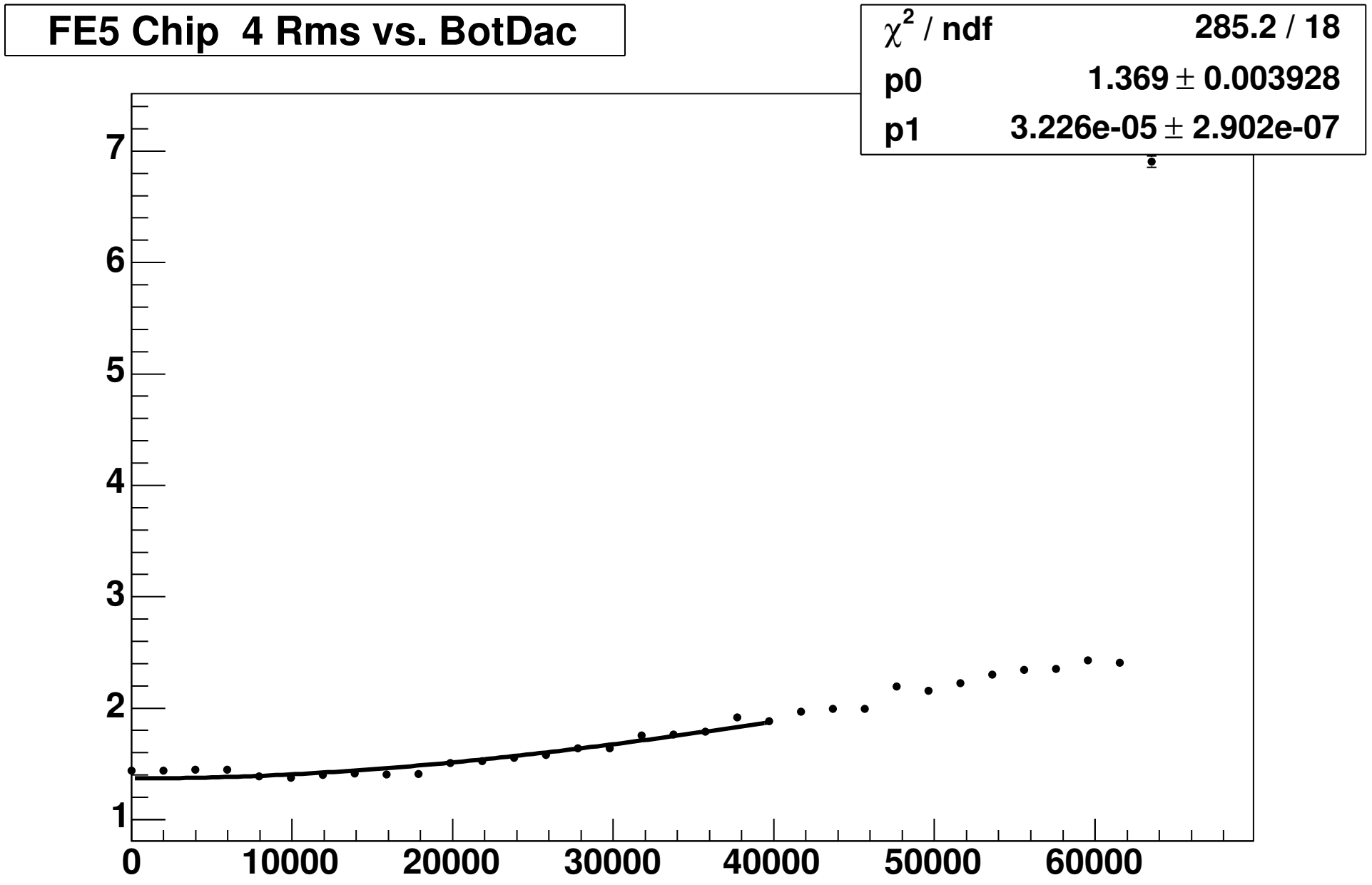
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

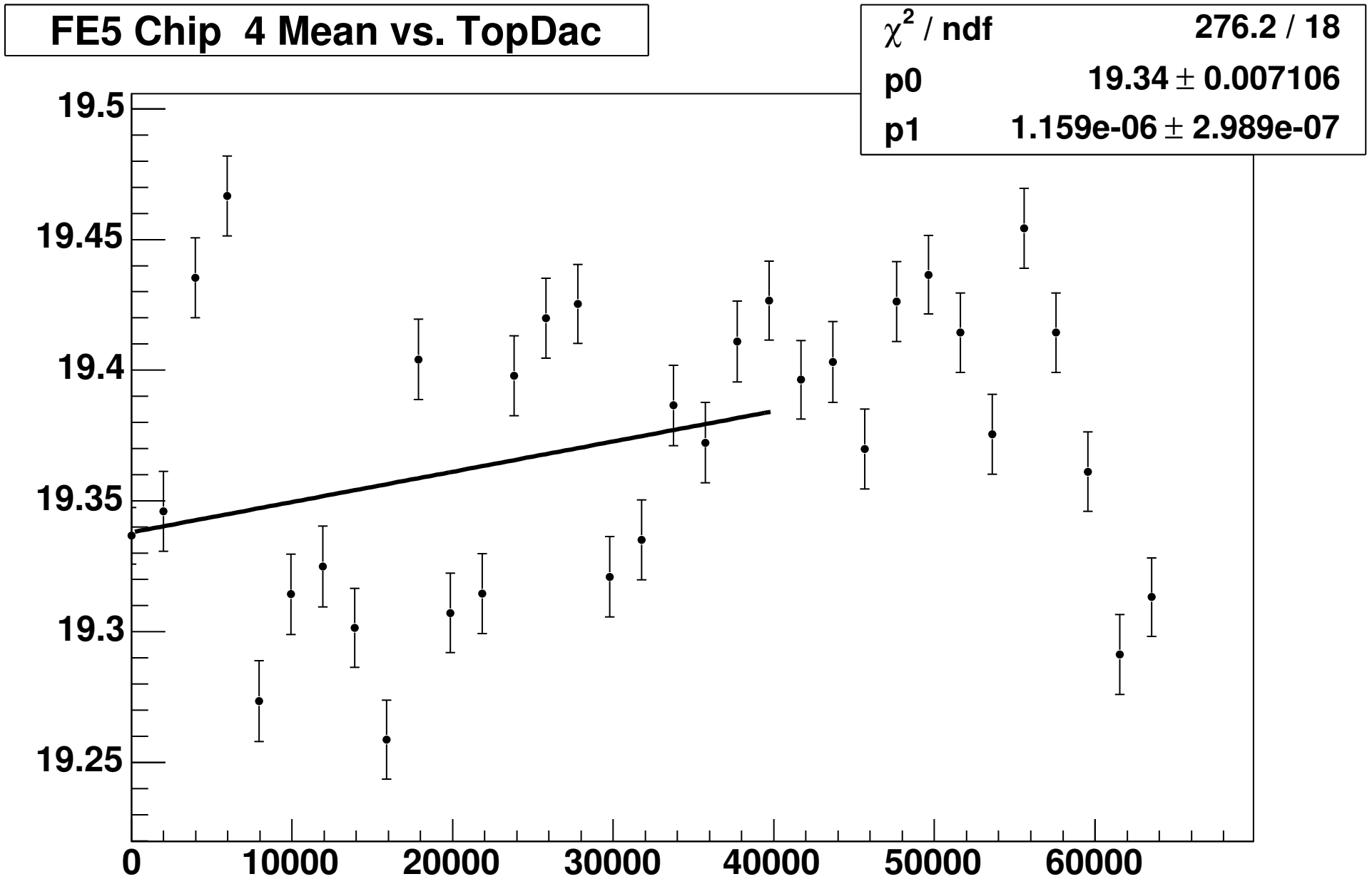

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 238.6 / 18
p0 1.324 ± 0.003876
p1 3.495e-05 ± 2.69e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

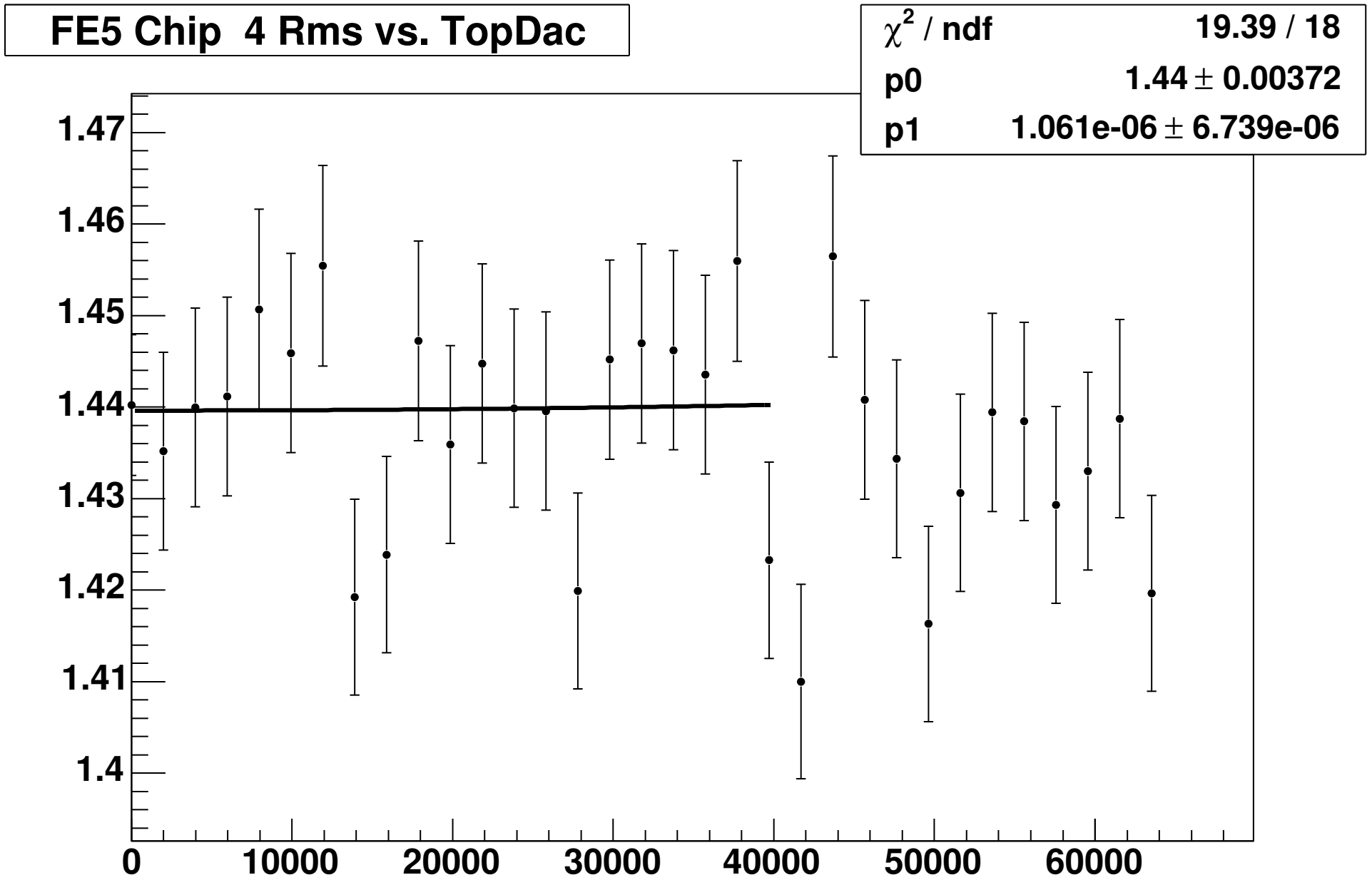

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 247.9 / 18
p0 22.01 ± 0.006948
p1 -1.538e-06 ± 2.925e-07
22.1
22.05
22
21.95
21.9
21.85
0
10000
20000
30000
40000
50000
60000

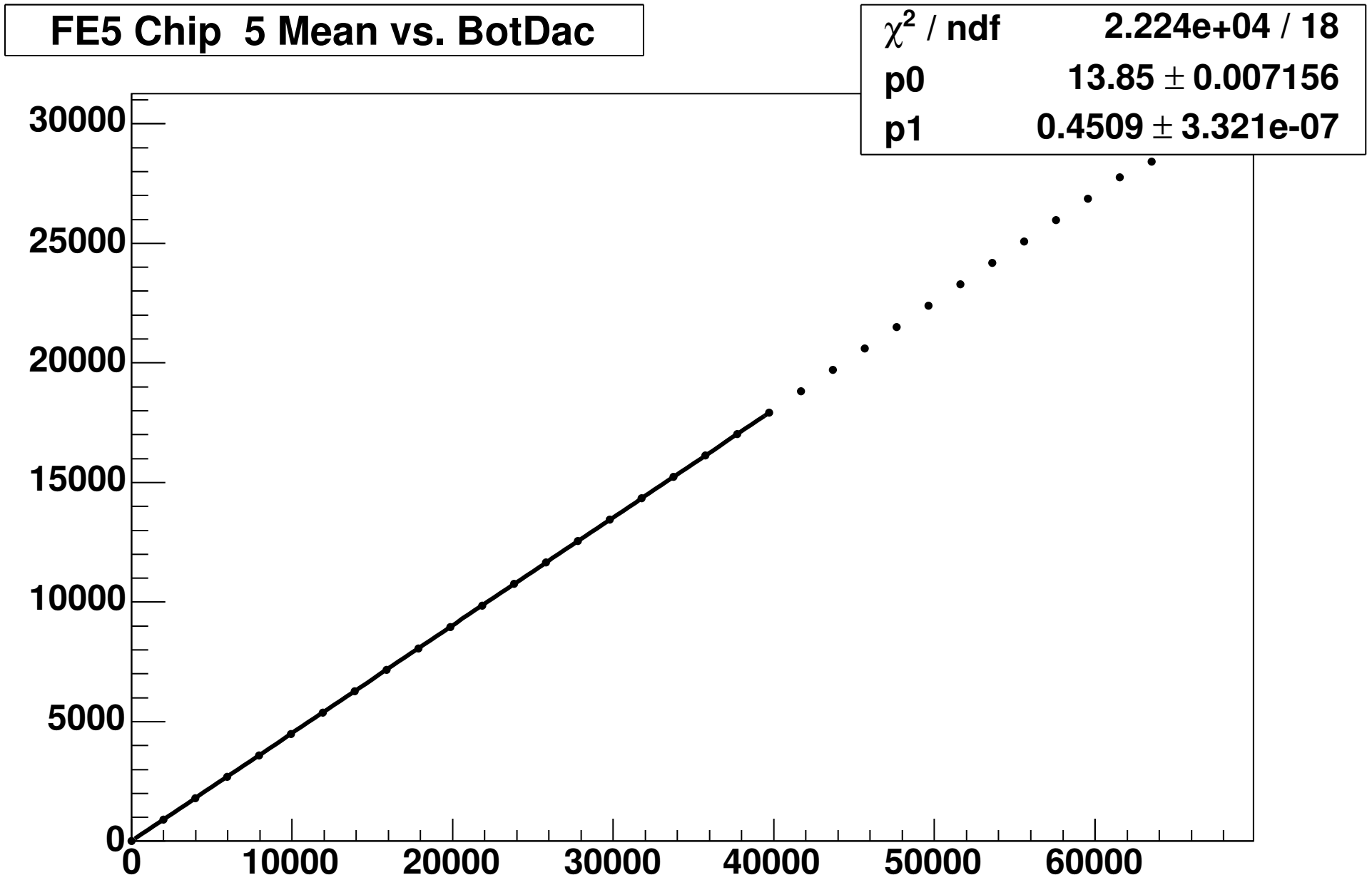

FE5 Chip 3 Rms vs. TopDac
χ^2 / ndf 17.76 / 18
p0 1.406 ± 0.003616
p1 3.181e-06 ± 2.141e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

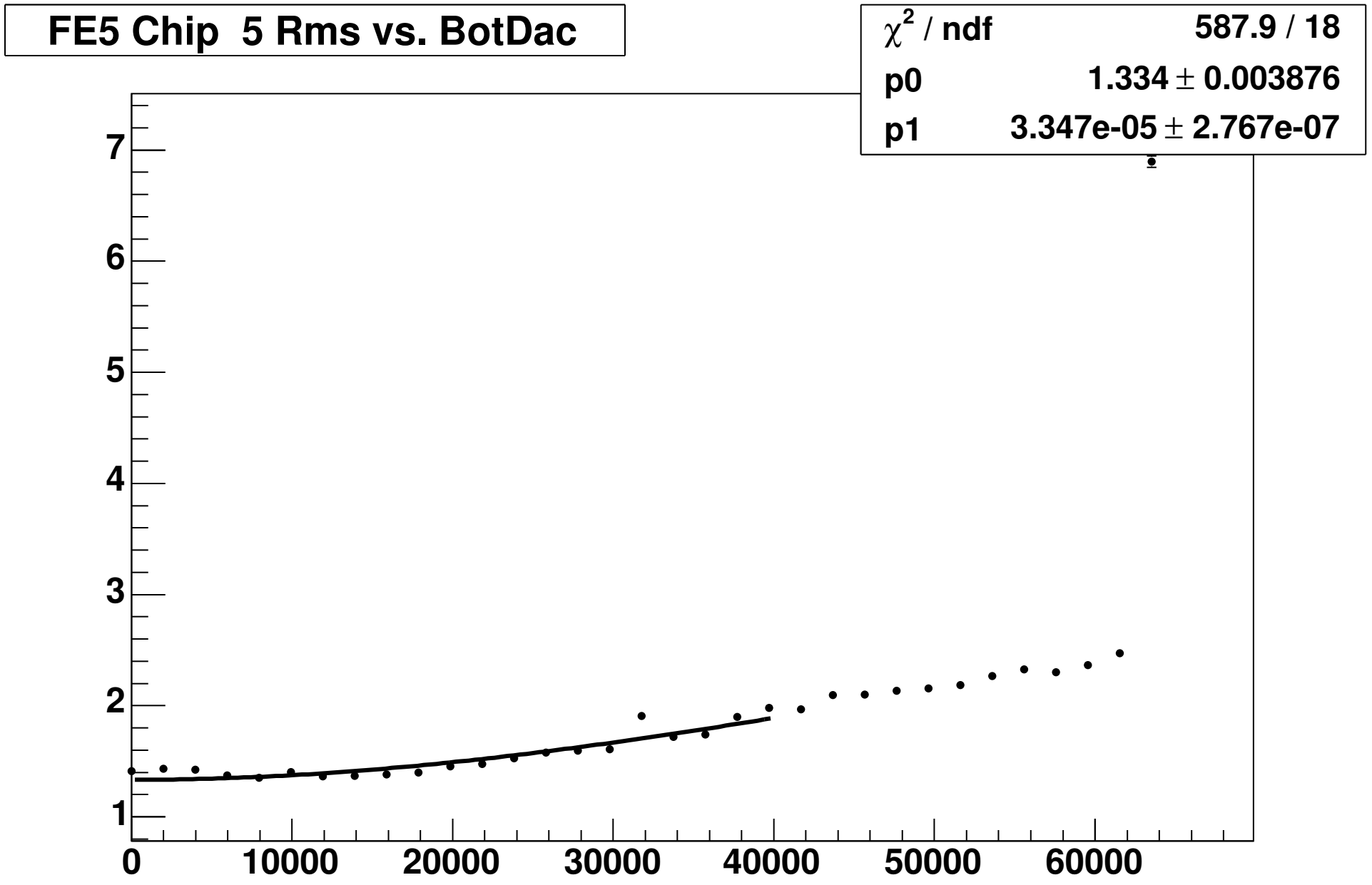

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 2.452e+04 / 18
p0 18.89 ± 0.007266
p1 0.4509 ± 3.34e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

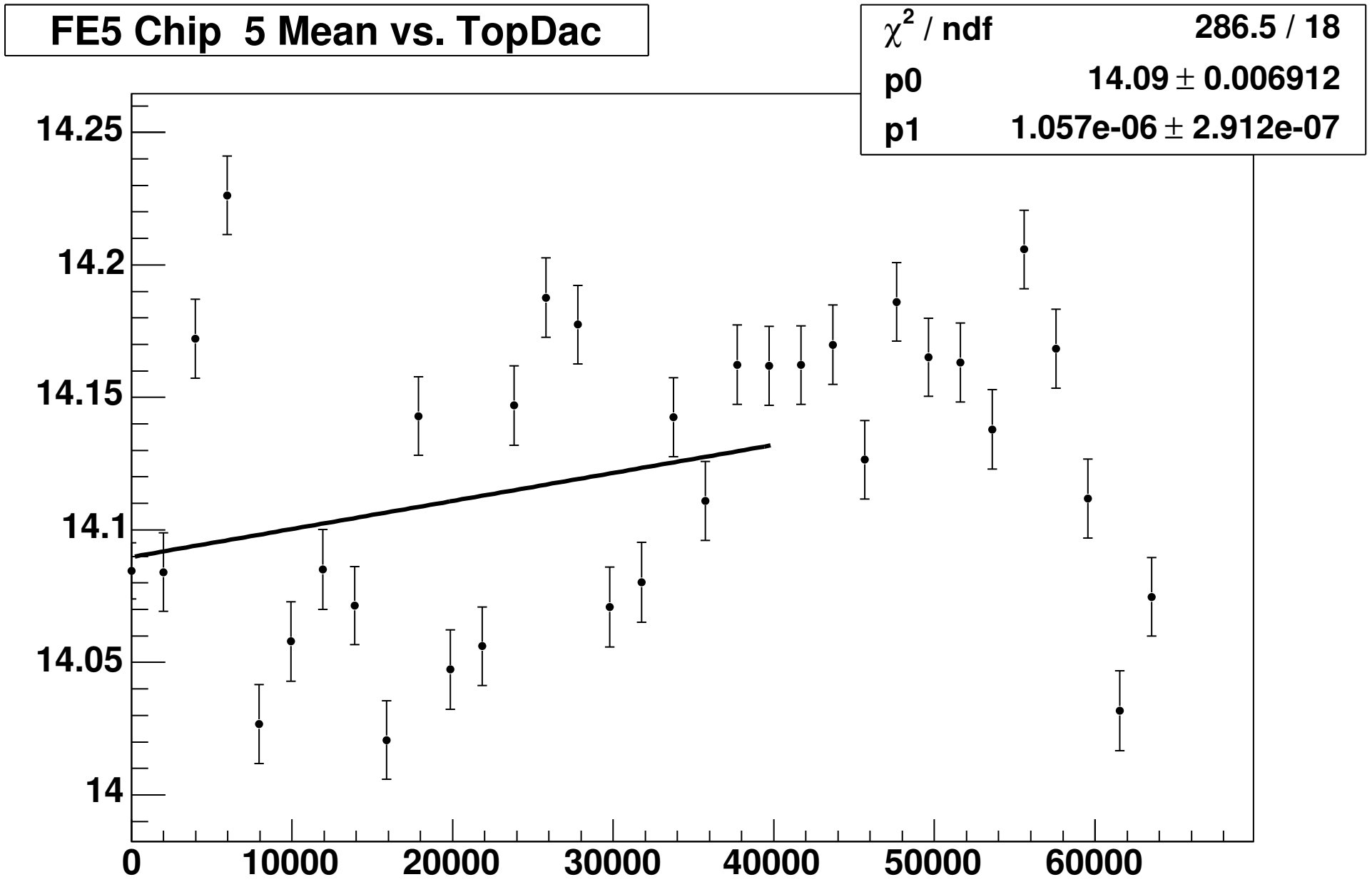

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 285.2 / 18
p0 1.369 ± 0.003928
p1 3.226e-05 ± 2.902e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

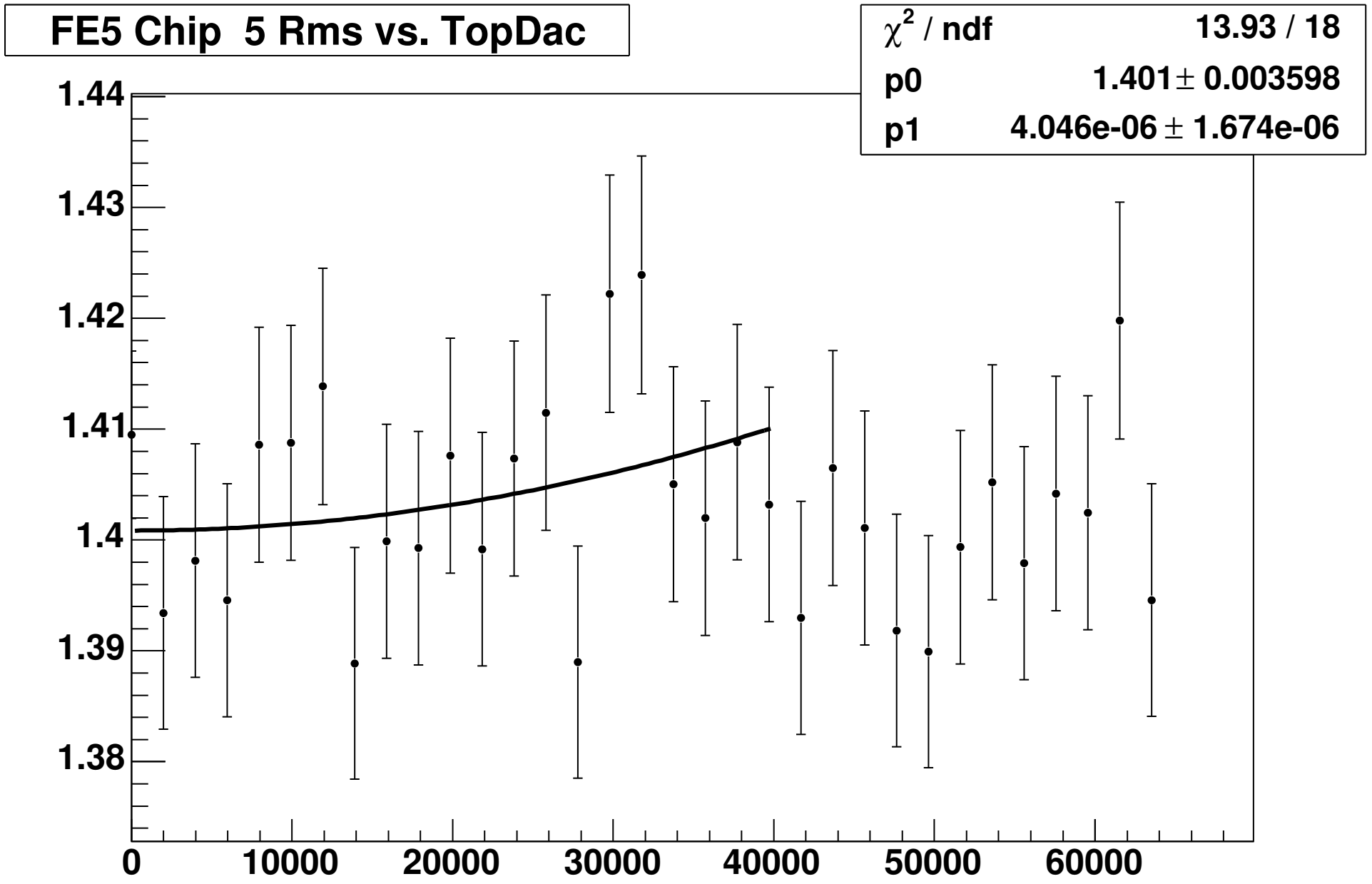

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 276.2 / 18
p0 19.34 ± 0.007106
p1 1.159e-06 ± 2.989e-07
19.5
19.45
19.4
19.35
19.3
19.25
0
10000
20000
30000
40000
50000
60000

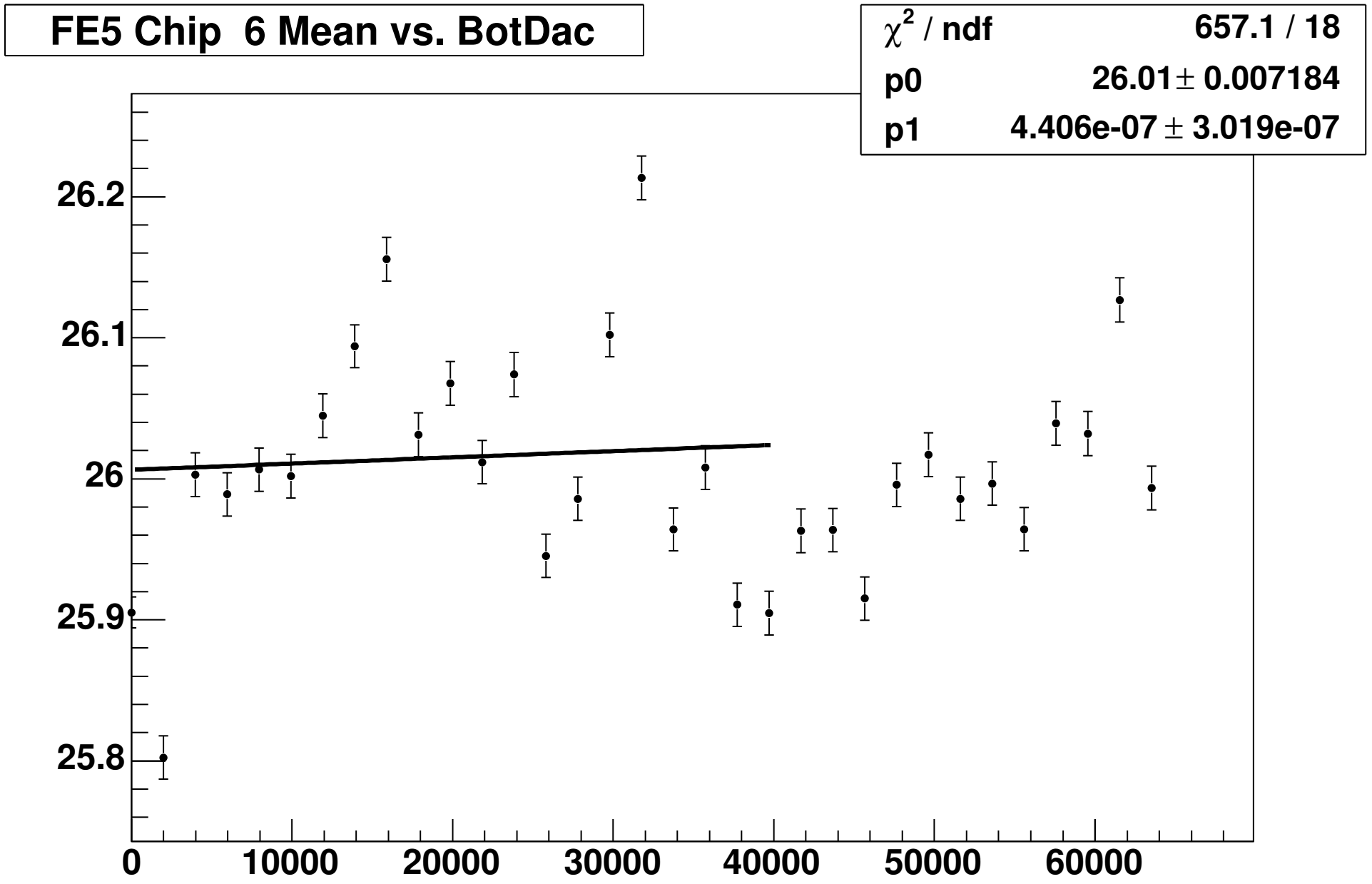

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 19.39 / 18
p0 1.44 ± 0.00372
p1 1.061e-06 ± 6.739e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 2.224e+04 / 18
p0 13.85 ± 0.007156
p1 0.4509 ± 3.321e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 587.9 / 18
p0 1.334 ± 0.003876
p1 3.347e-05 ± 2.767e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 286.5 / 18
p0 14.09 ± 0.006912
p1 1.057e-06 ± 2.912e-07
14.25
14.2
14.15
14.1
14.05
14
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 13.93 / 18
p0 1.401 ± 0.003598
p1 4.046e-06 ± 1.674e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 657.1 / 18
p0 26.01 ± 0.007184
p1 4.406e-07 ± 3.019e-07
26.2
26.1
26
25.9
25.8
0
10000
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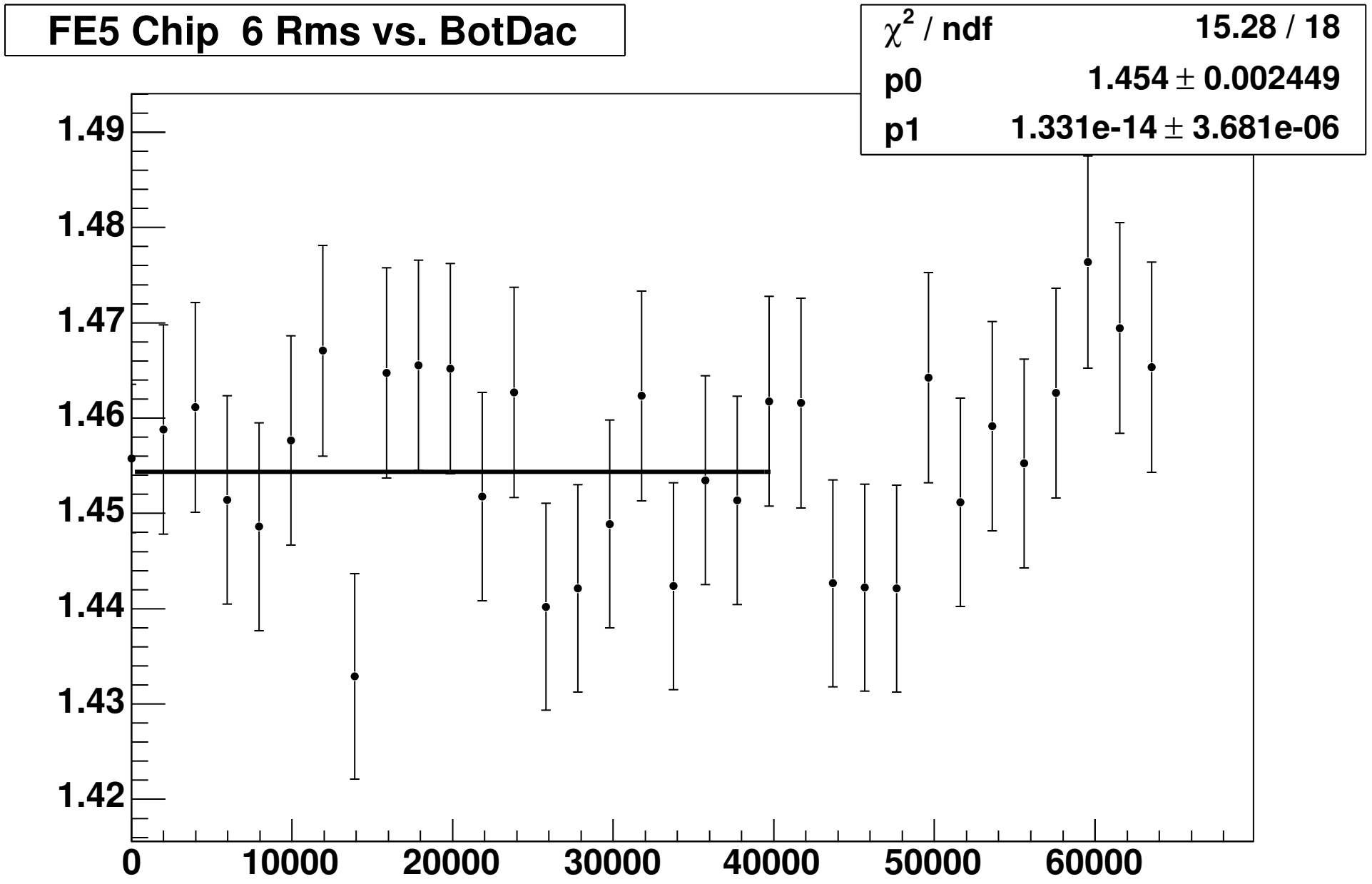
50000
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 15.28 / 18
p0 1.454 ± 0.002449
p1 1.331e-14 ± 3.681e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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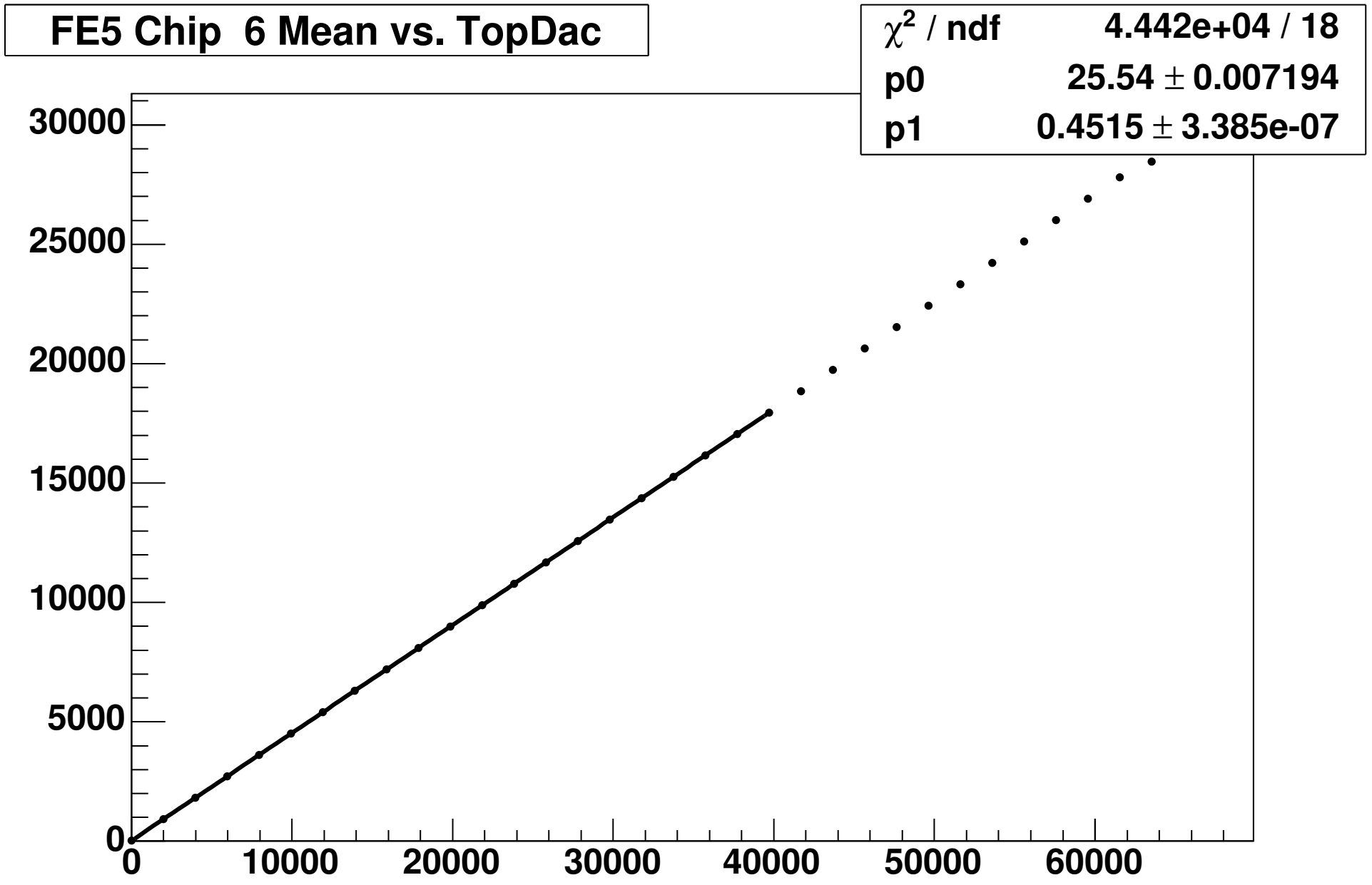
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 4.442e+04 / 18
p0 25.54 ± 0.007194
p1 0.4515 ± 3.385e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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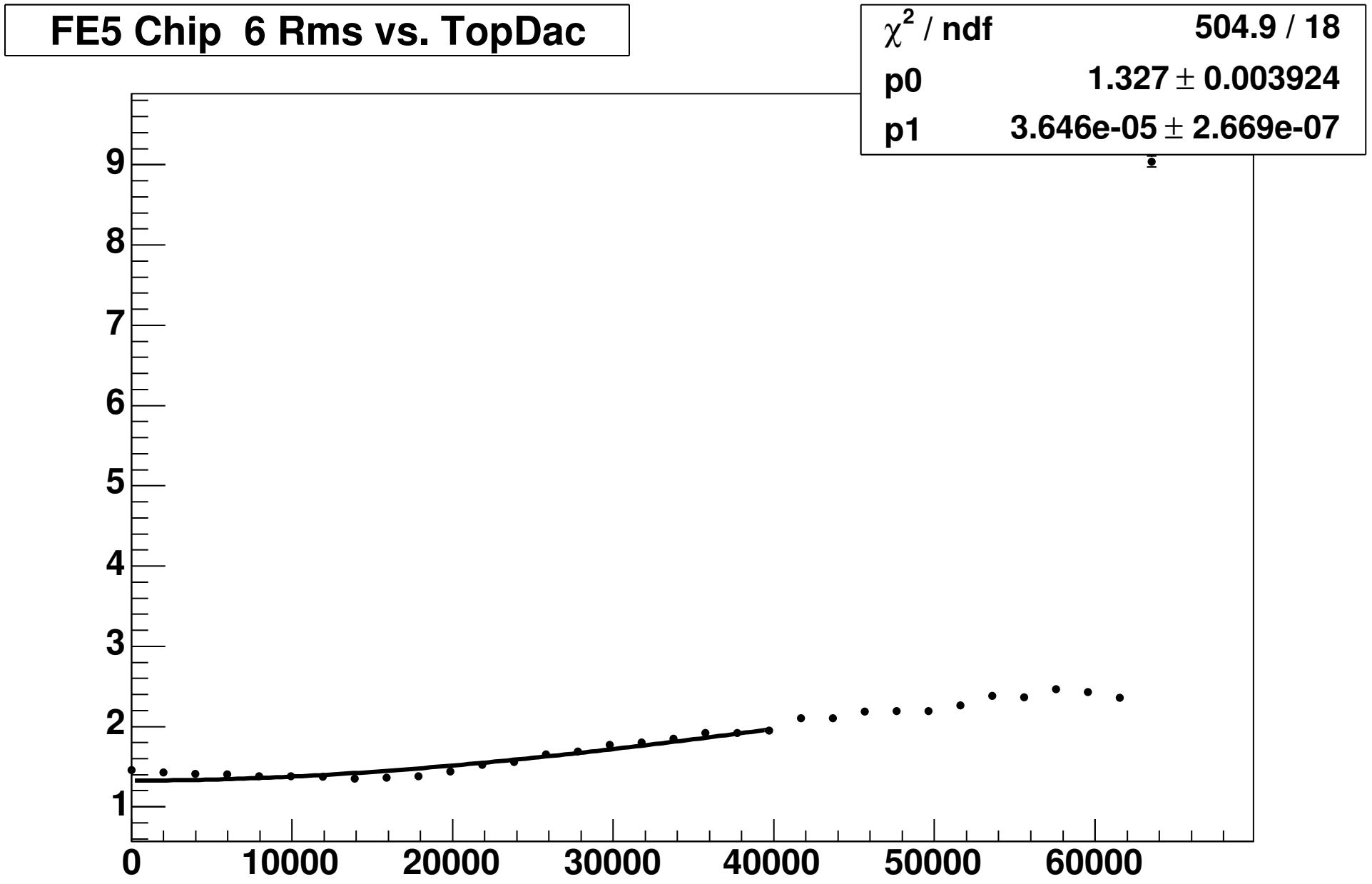
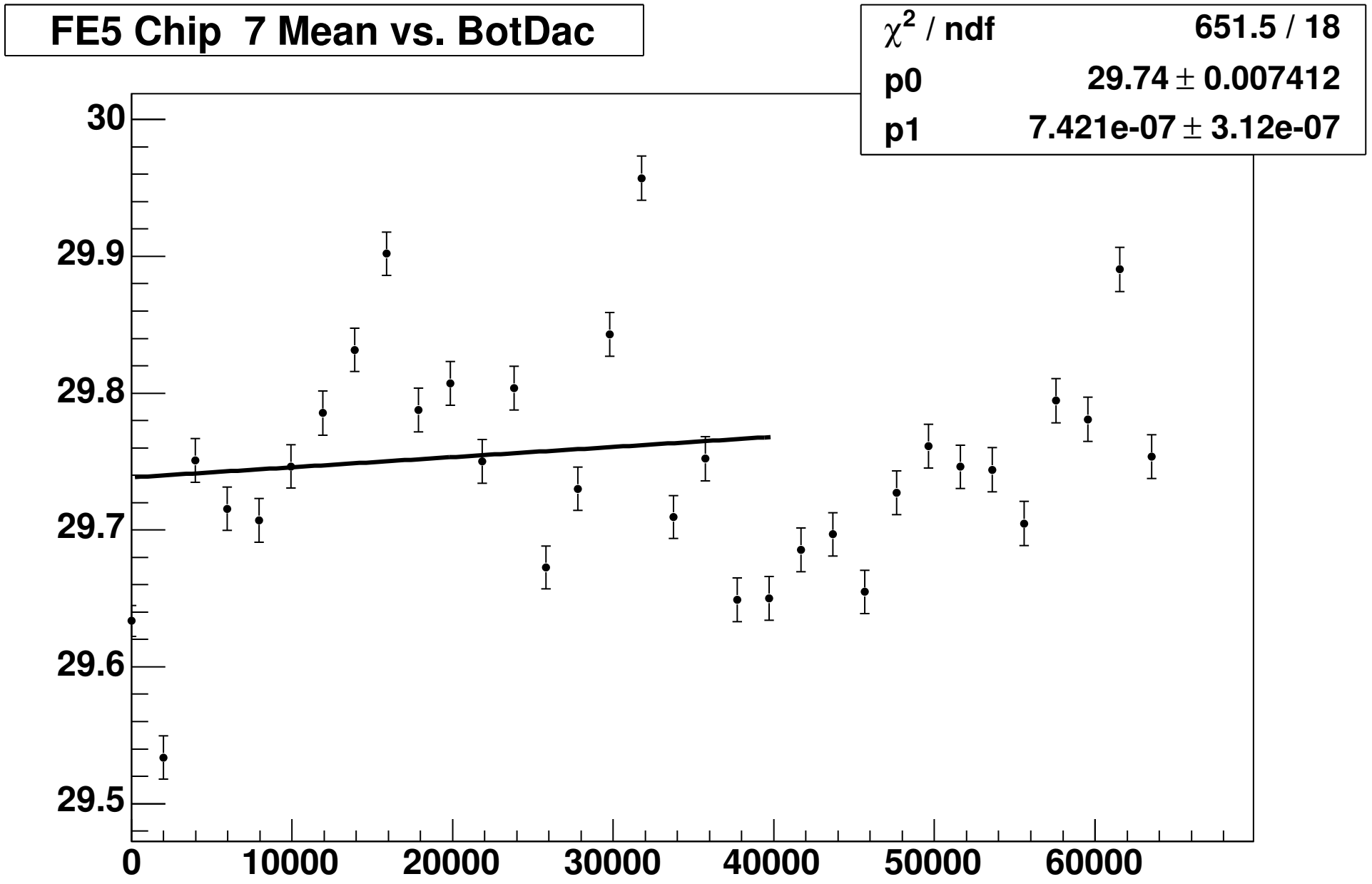
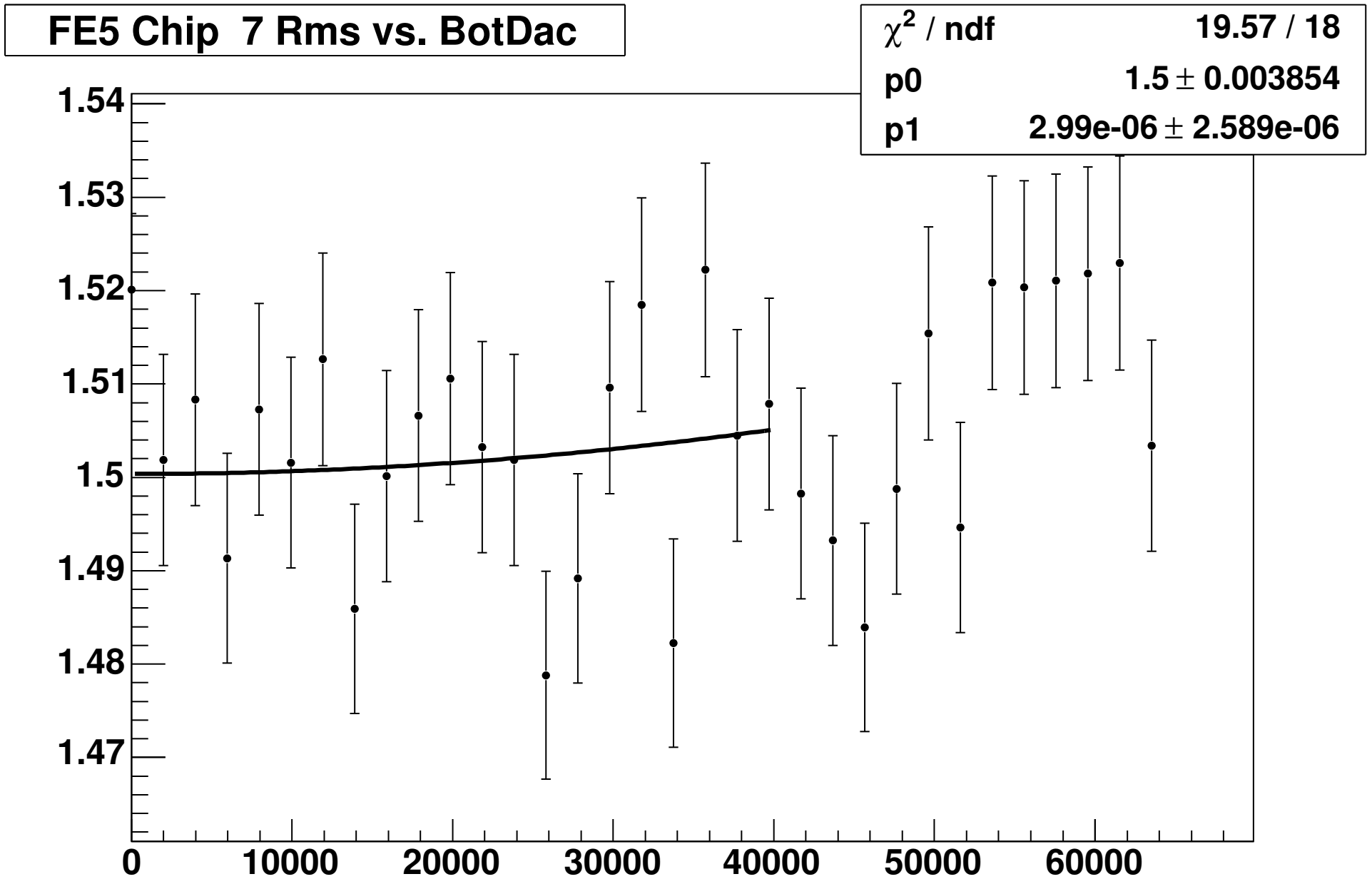
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 504.9 / 18
p0 1.327 ± 0.003924
p1 3.646e-05 ± 2.669e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 651.5 / 18
p0 29.74 ± 0.007412
p1 7.421e-07 ± 3.12e-07
30
29.9
29.8
29.7
29.6
29.5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 19.57 / 18
p0 1.5 ± 0.003854
p1 2.99e-06 ± 2.589e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
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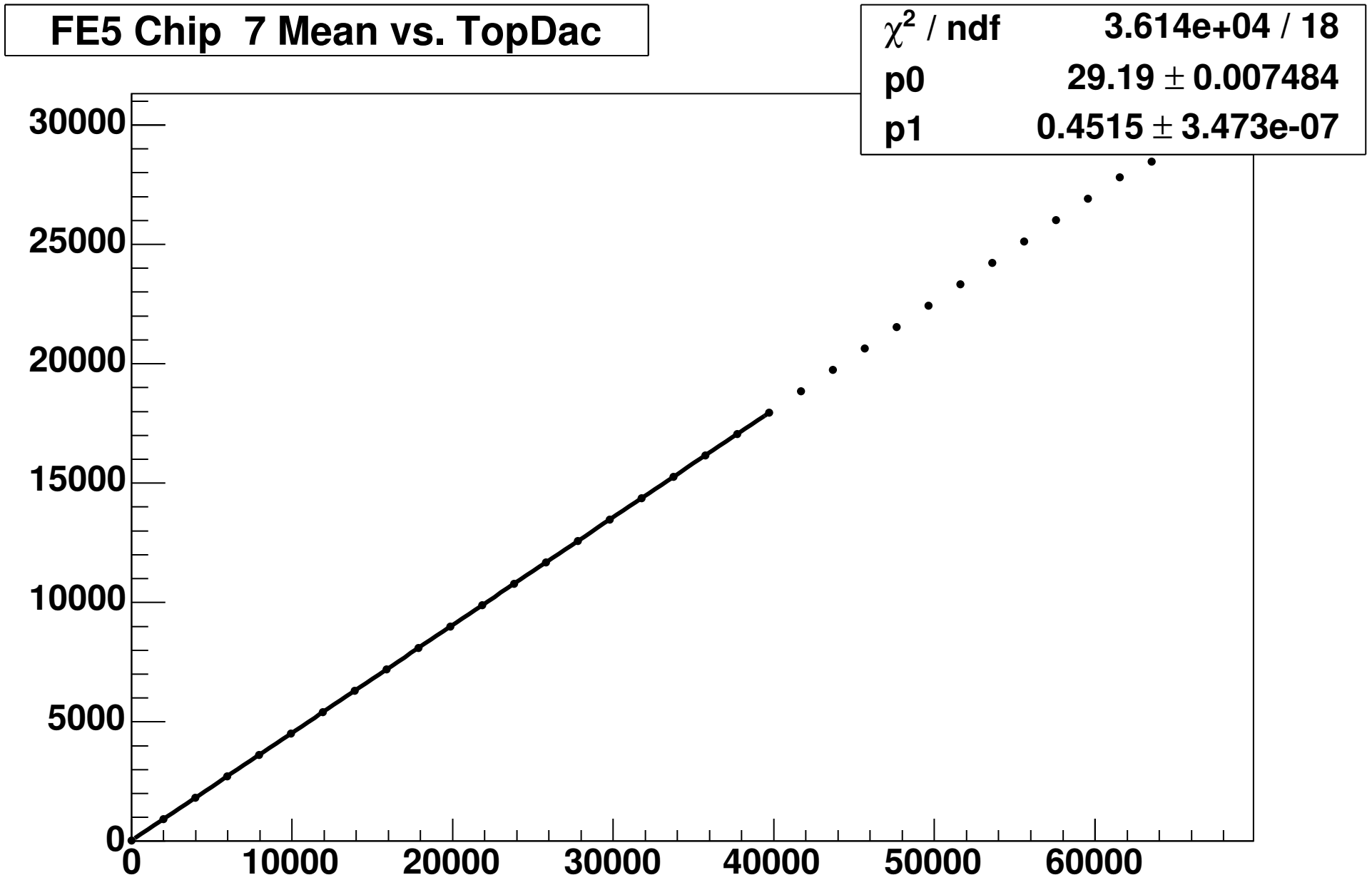
50000
60000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 3.614e+04 / 18
p0 29.19 ± 0.007484
p1 0.4515 ± 3.473e-07
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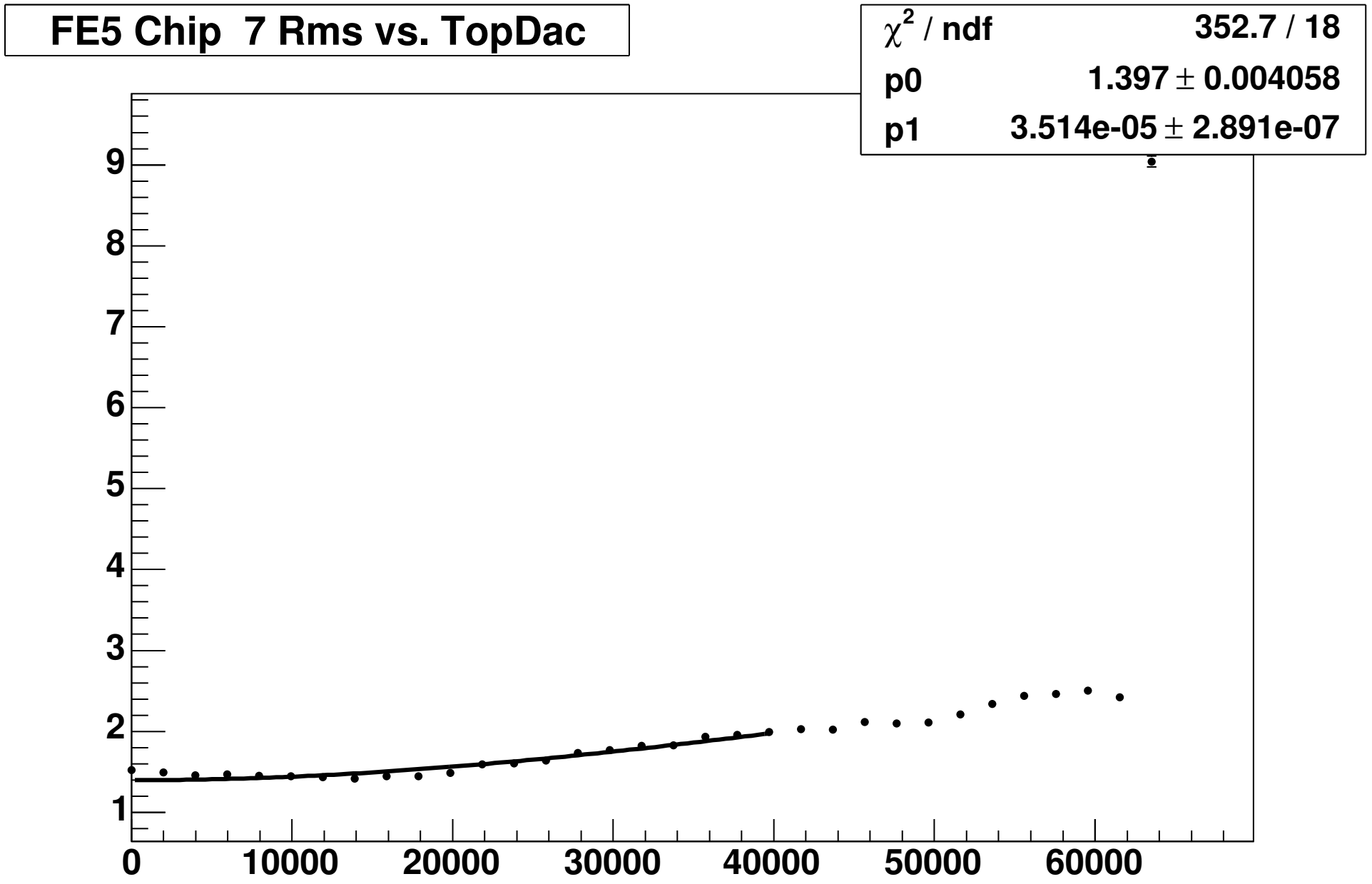
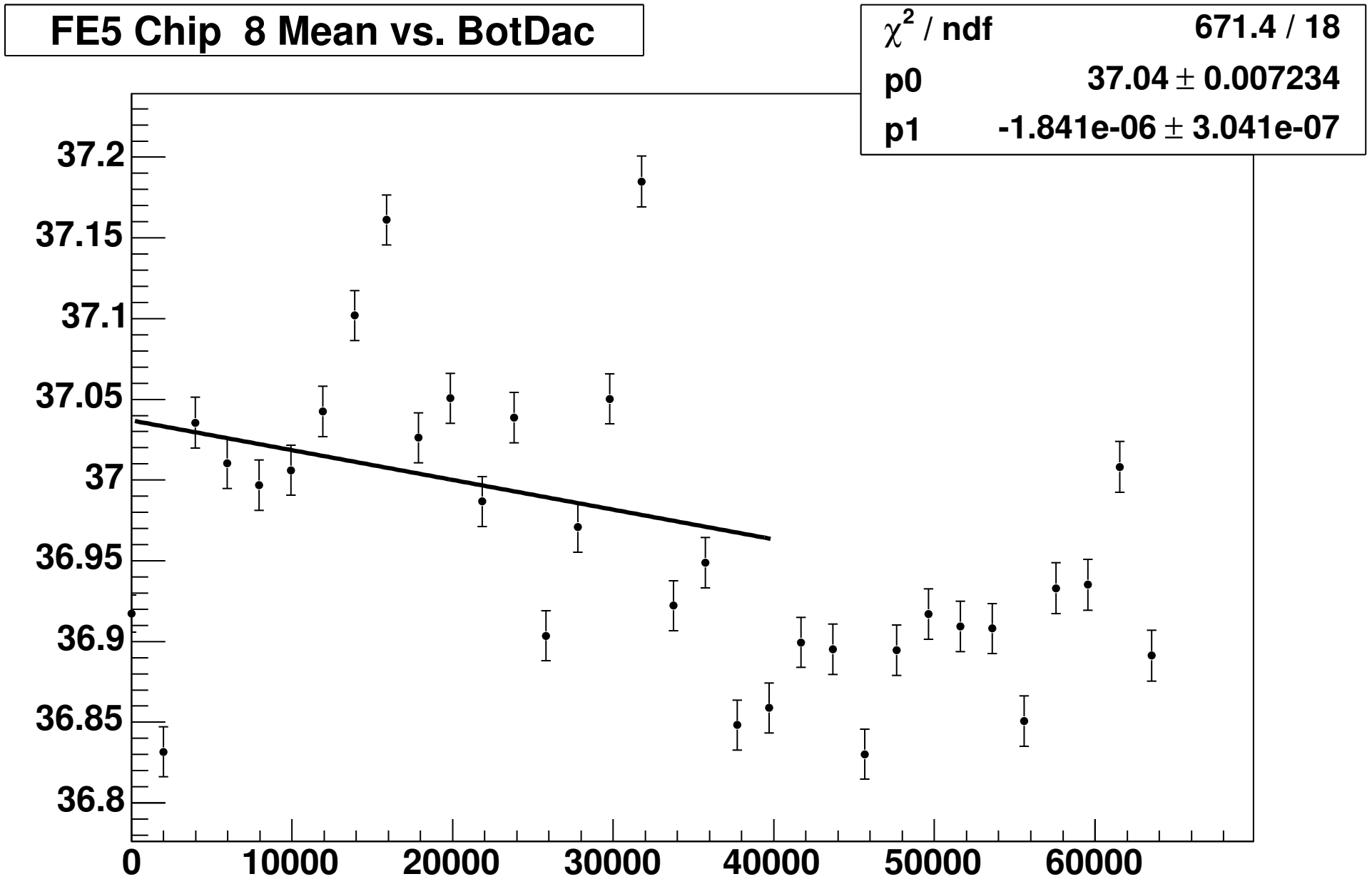
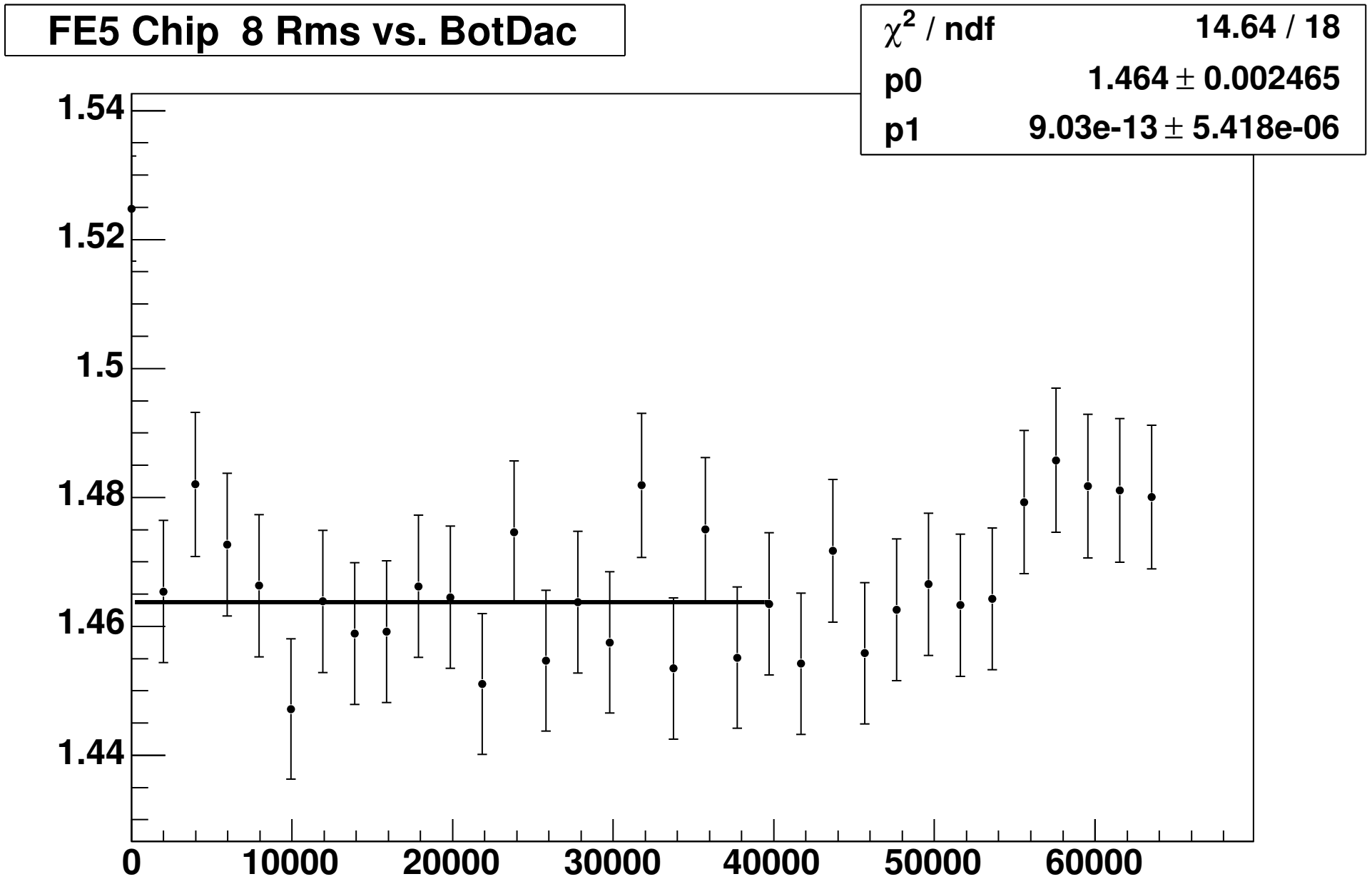
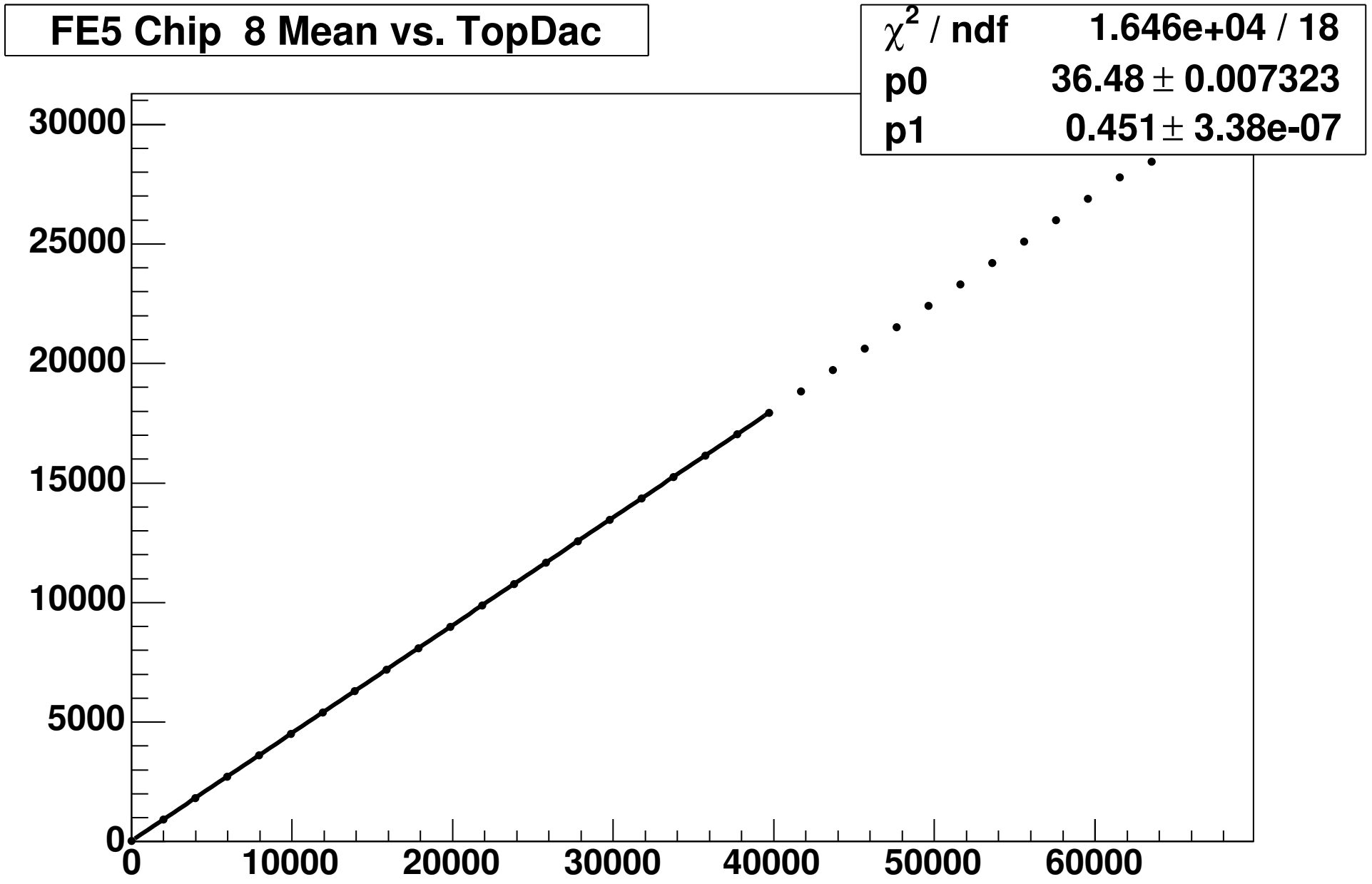
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 352.7 / 18
p0 1.397 ± 0.004058
p1 3.514e-05 ± 2.891e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 671.4 / 18
p0 37.04 ± 0.007234
p1 -1.841e-06 ± 3.041e-07
37.2
37.15
37.1
37.05
37
36.95
36.9
36.85
36.8
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 14.64 / 18
p0 1.464 ± 0.002465
p1 9.03e-13 ± 5.418e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.646e+04 / 18
p0 36.48 ± 0.007323
p1 0.451 ± 3.38e-07
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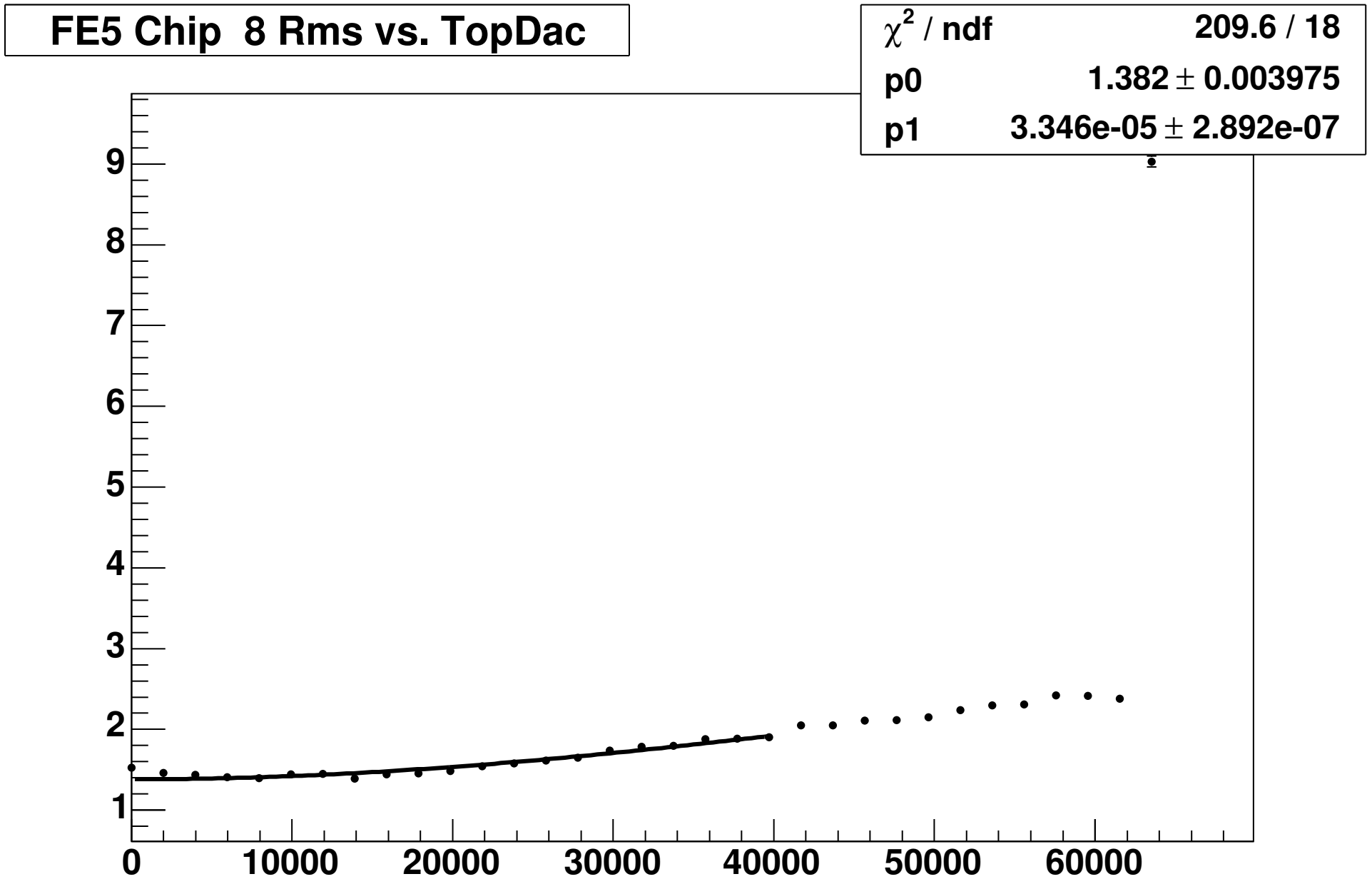
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 209.6 / 18
p0 1.382 ± 0.003975
p1 3.346e-05 ± 2.892e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
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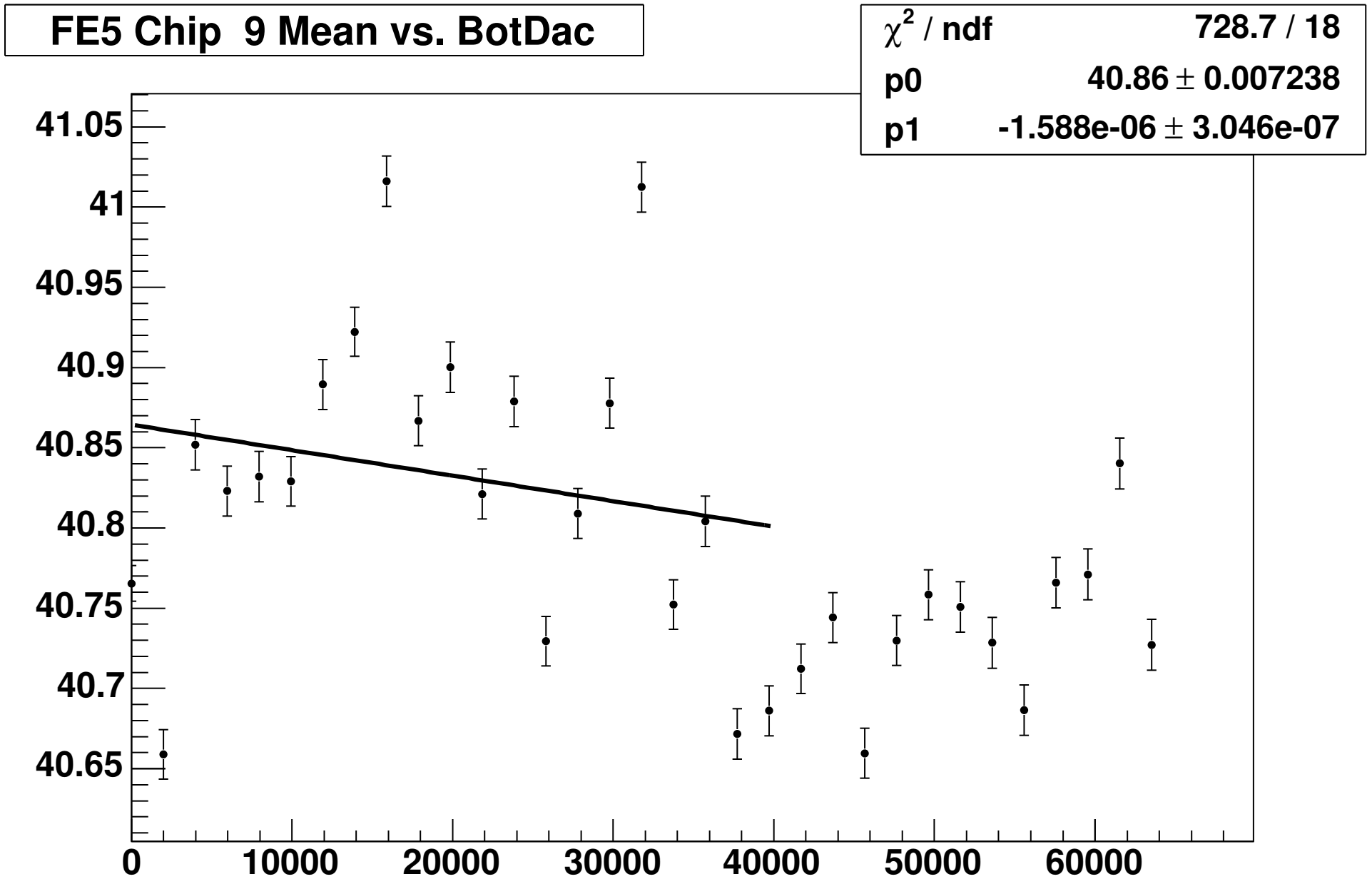
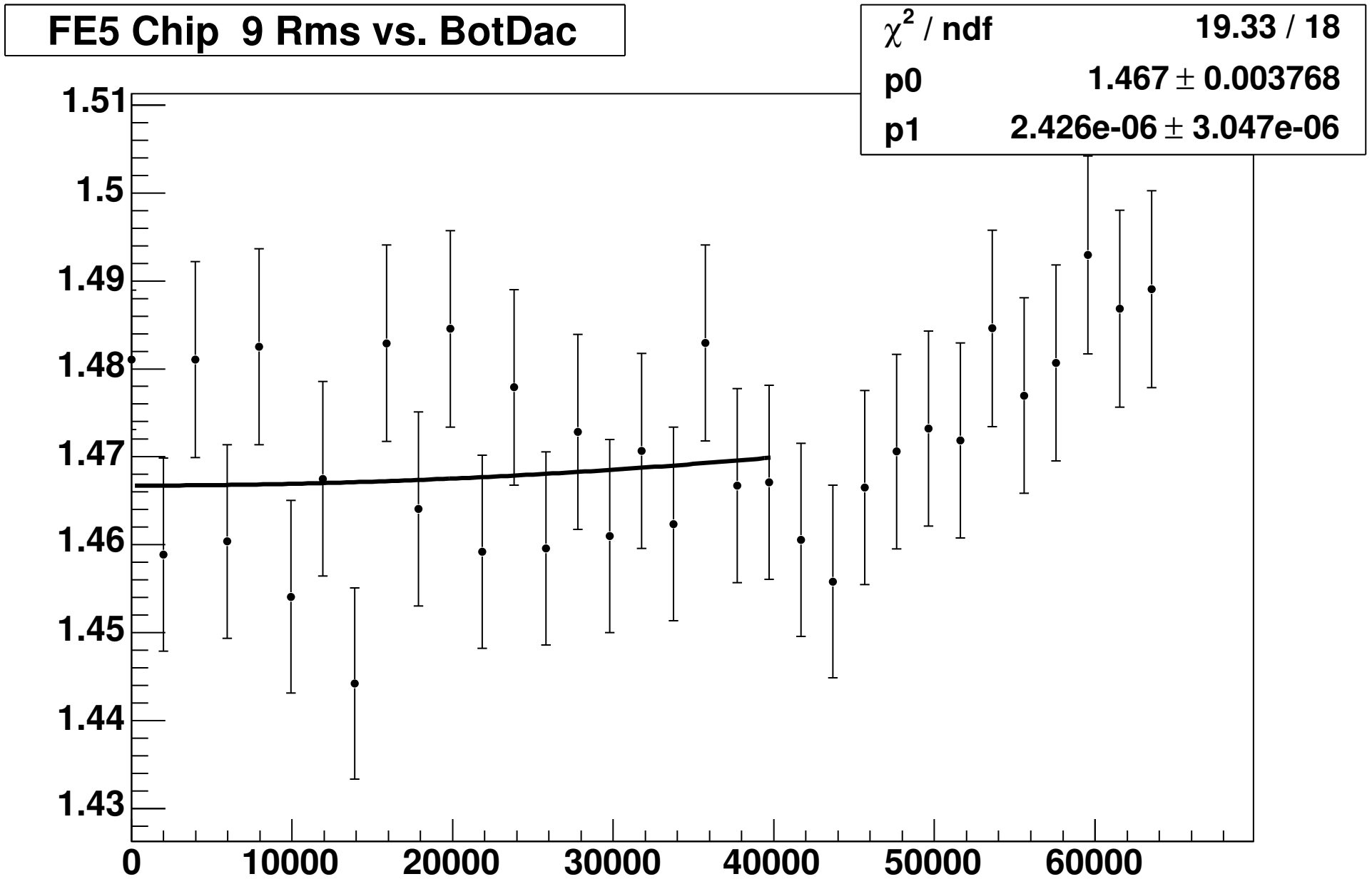
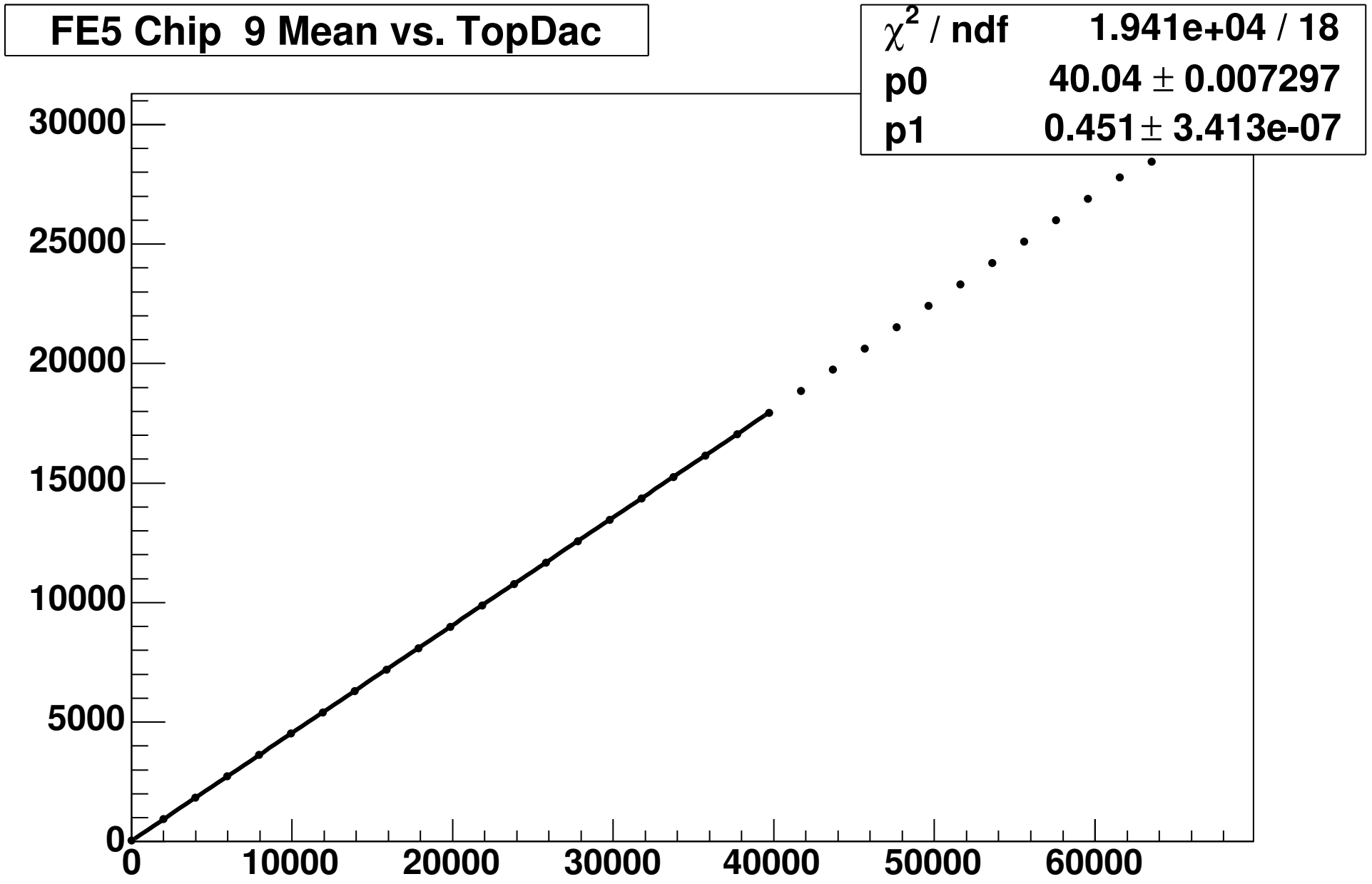
40000
50000
60000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 728.7 / 18
p0 40.86 ± 0.007238
p1 -1.588e-06 ± 3.046e-07
41.05
41
40.95
40.9
40.85
40.8
40.75
40.7
40.65
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 19.33 / 18
p0 1.467 ± 0.003768
p1 2.426e-06 ± 3.047e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.941e+04 / 18
p0 40.04 ± 0.007297
p1 0.451 ± 3.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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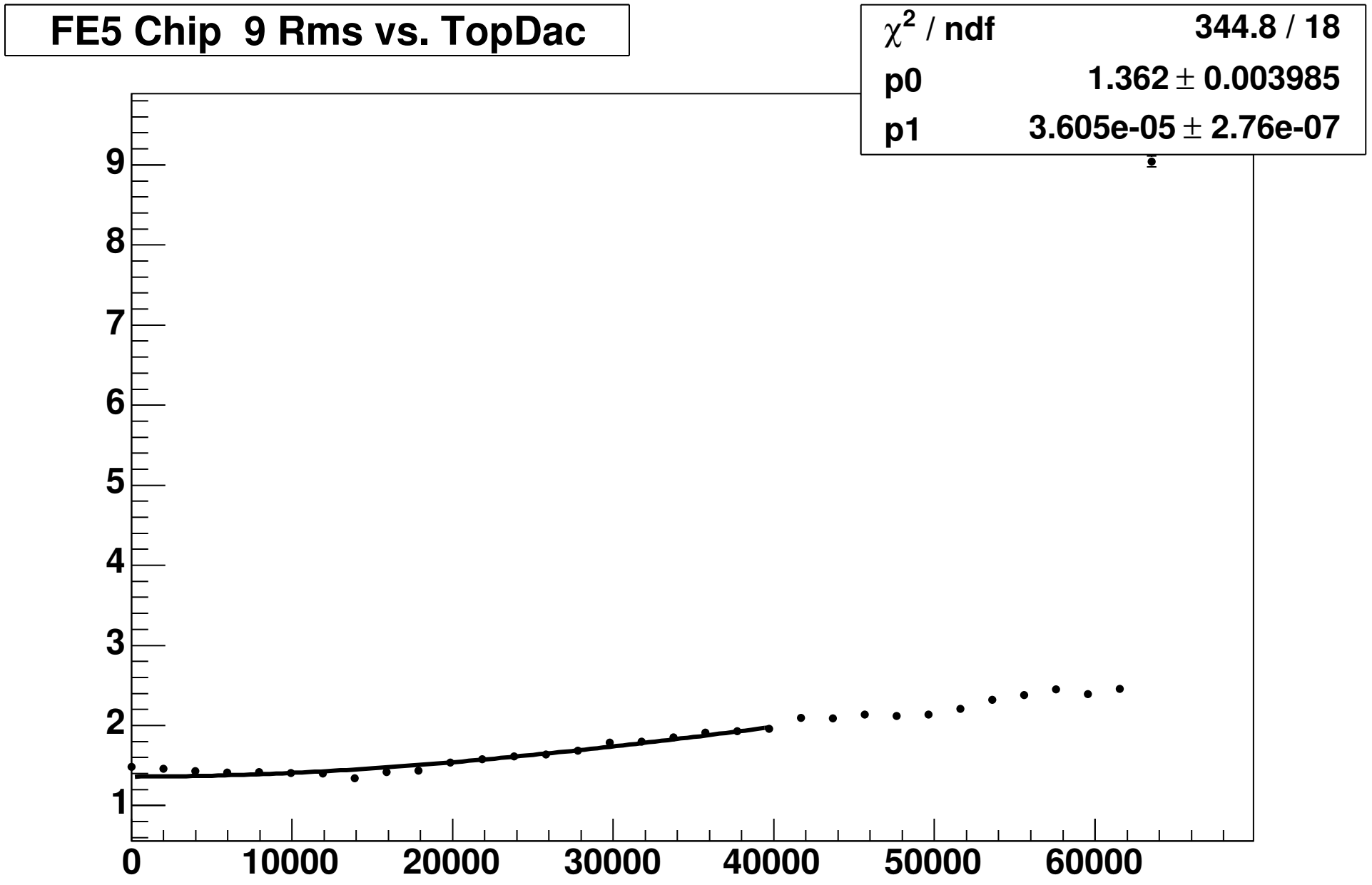
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 344.8 / 18
p0 1.362 ± 0.003985
p1 3.605e-05 ± 2.76e-07
9
8
7
6
5
4
3
2
1
0
10000
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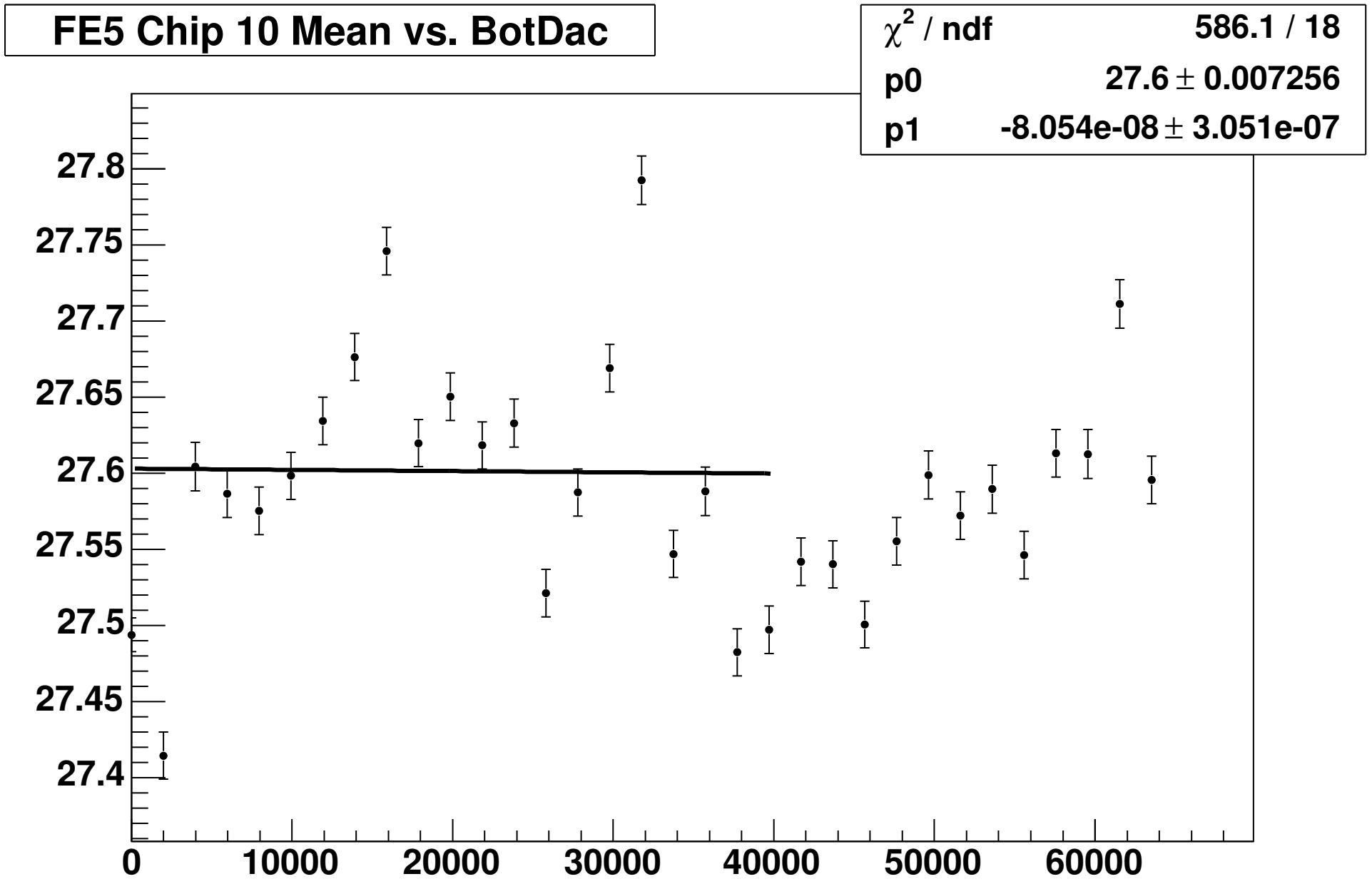
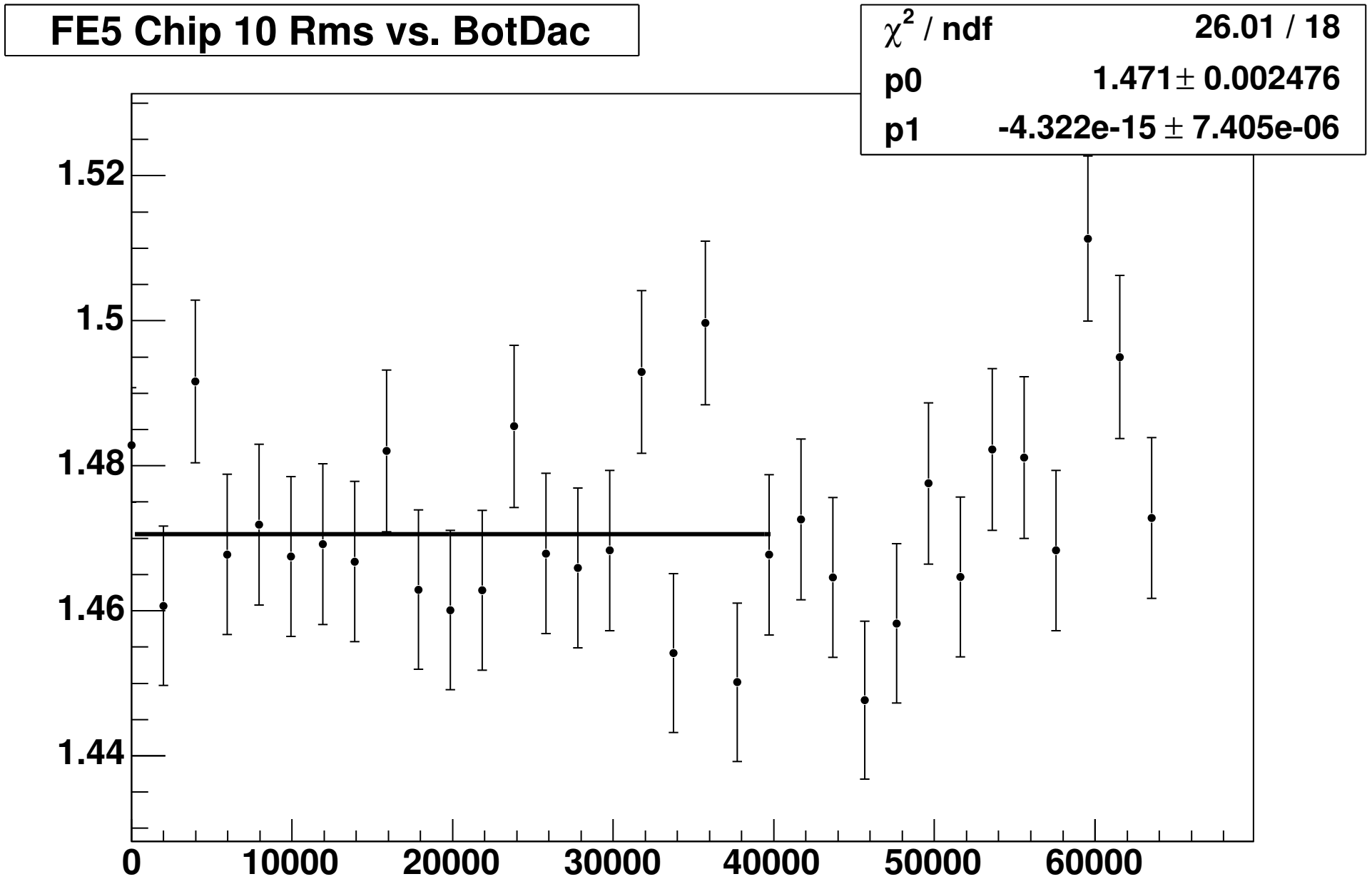
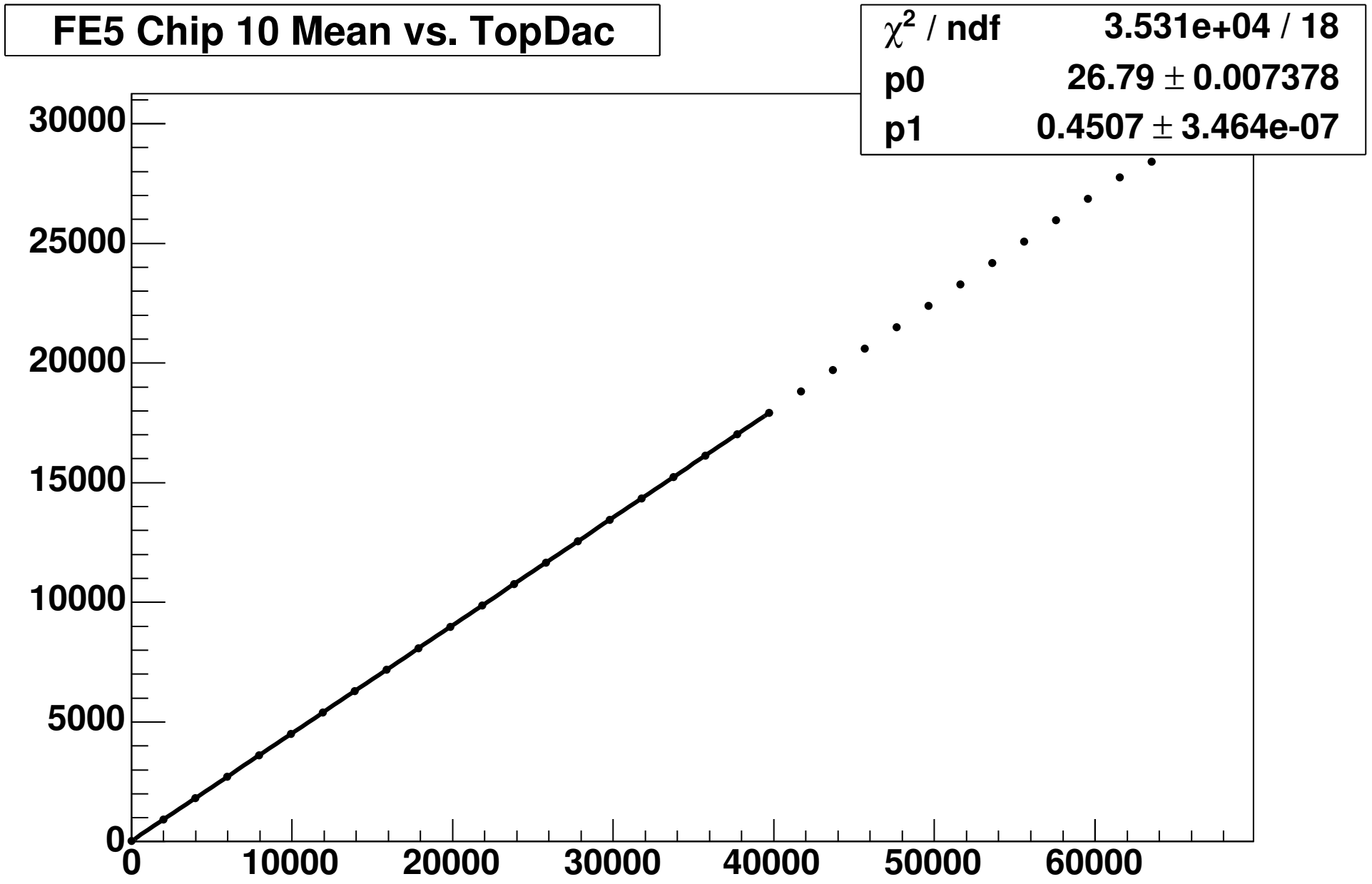

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 586.1 / 18
p0 27.6 ± 0.007256
p1 -8.054e-08 ± 3.051e-07
27.8
27.75
27.7
27.65
27.6
27.55
27.5
27.45
27.4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 26.01 / 18
p0 1.471 ± 0.002476
p1 -4.322e-15 ± 7.405e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 3.531e+04 / 18
p0 26.79 ± 0.007378
p1 0.4507 ± 3.464e-07
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25000
20000
15000
10000
5000
0
0
10000
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30000
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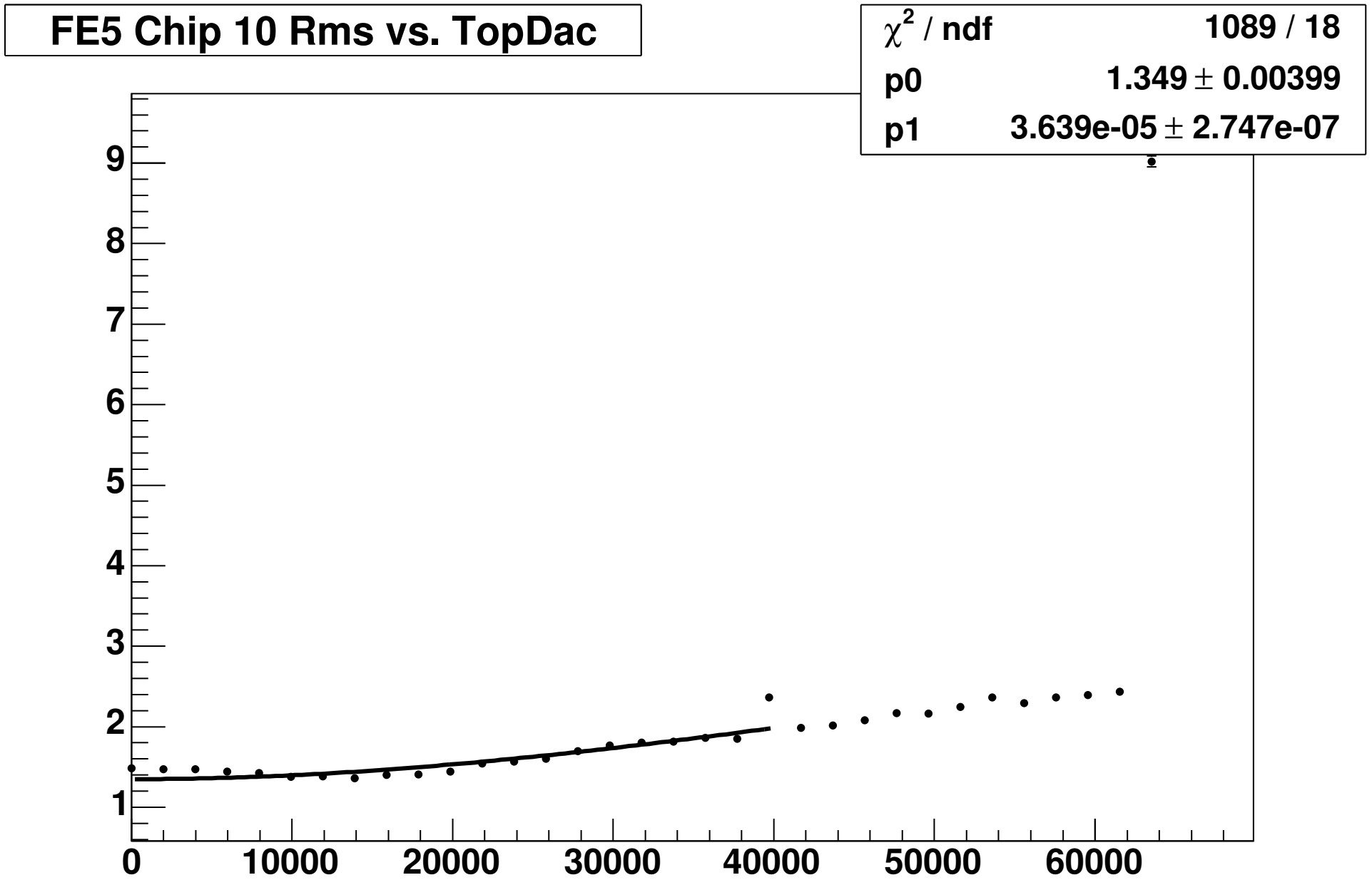
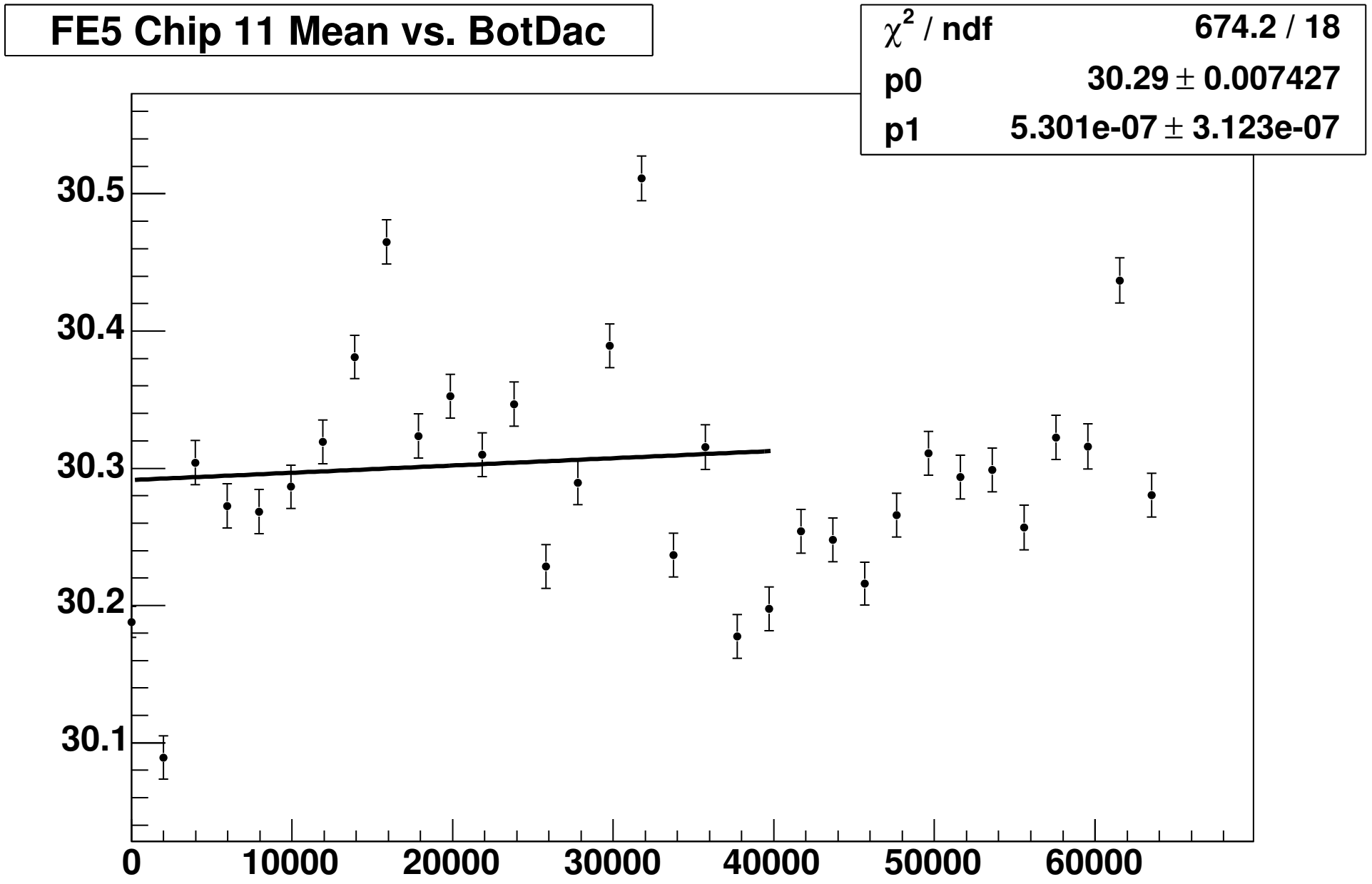
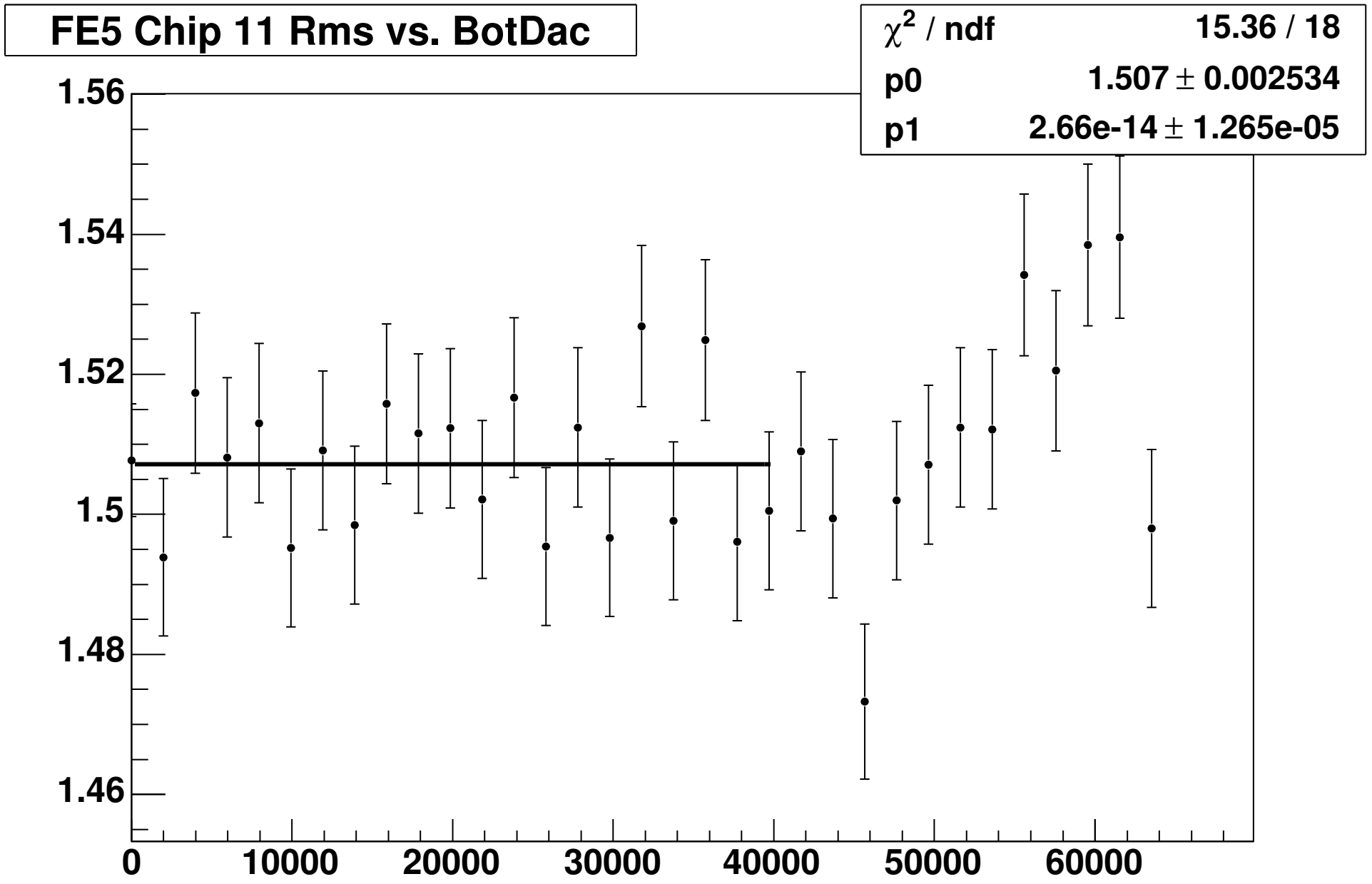

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1089 / 18
p0 1.349 ± 0.00399
p1 3.639e-05 ± 2.747e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 674.2 / 18
p0 30.29 ± 0.007427
p1 5.301e-07 ± 3.123e-07
30.5
30.4
30.3
30.2
30.1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 15.36 / 18
p0 1.507 ± 0.002534
p1 2.66e-14 ± 1.265e-05
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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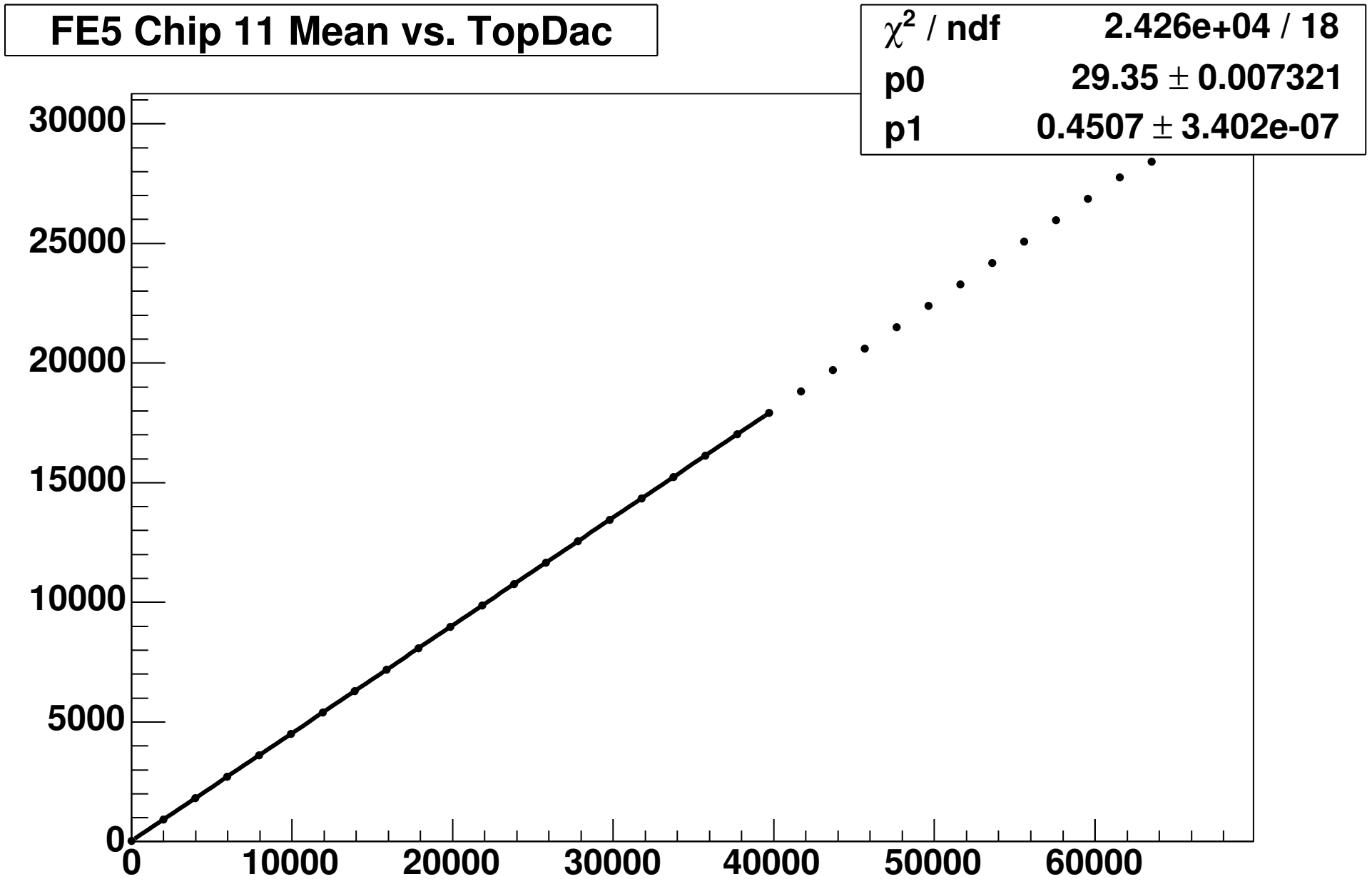
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 2.426e+04 / 18
p0 29.35 ± 0.007321
p1 0.4507 ± 3.402e-07
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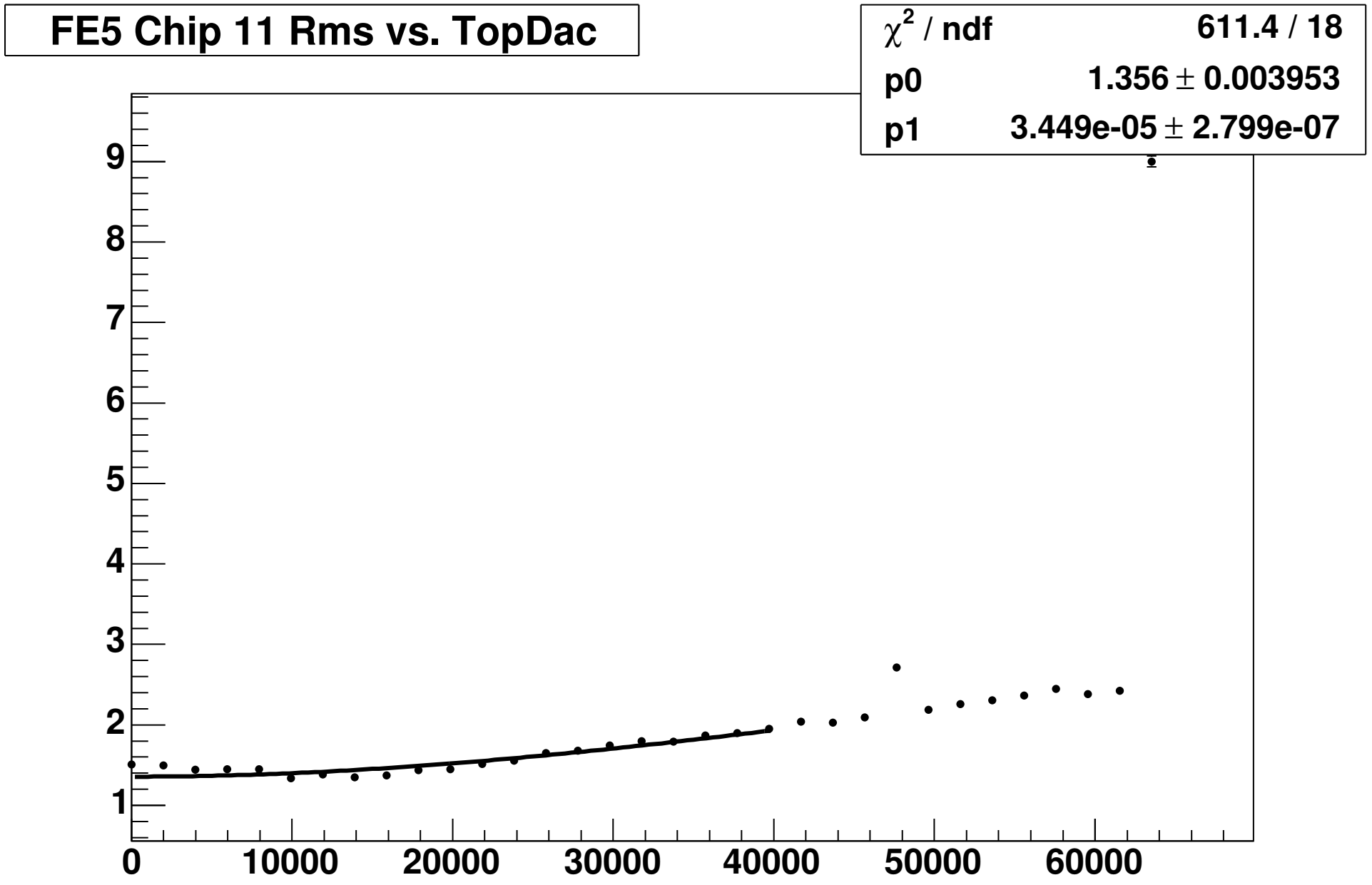
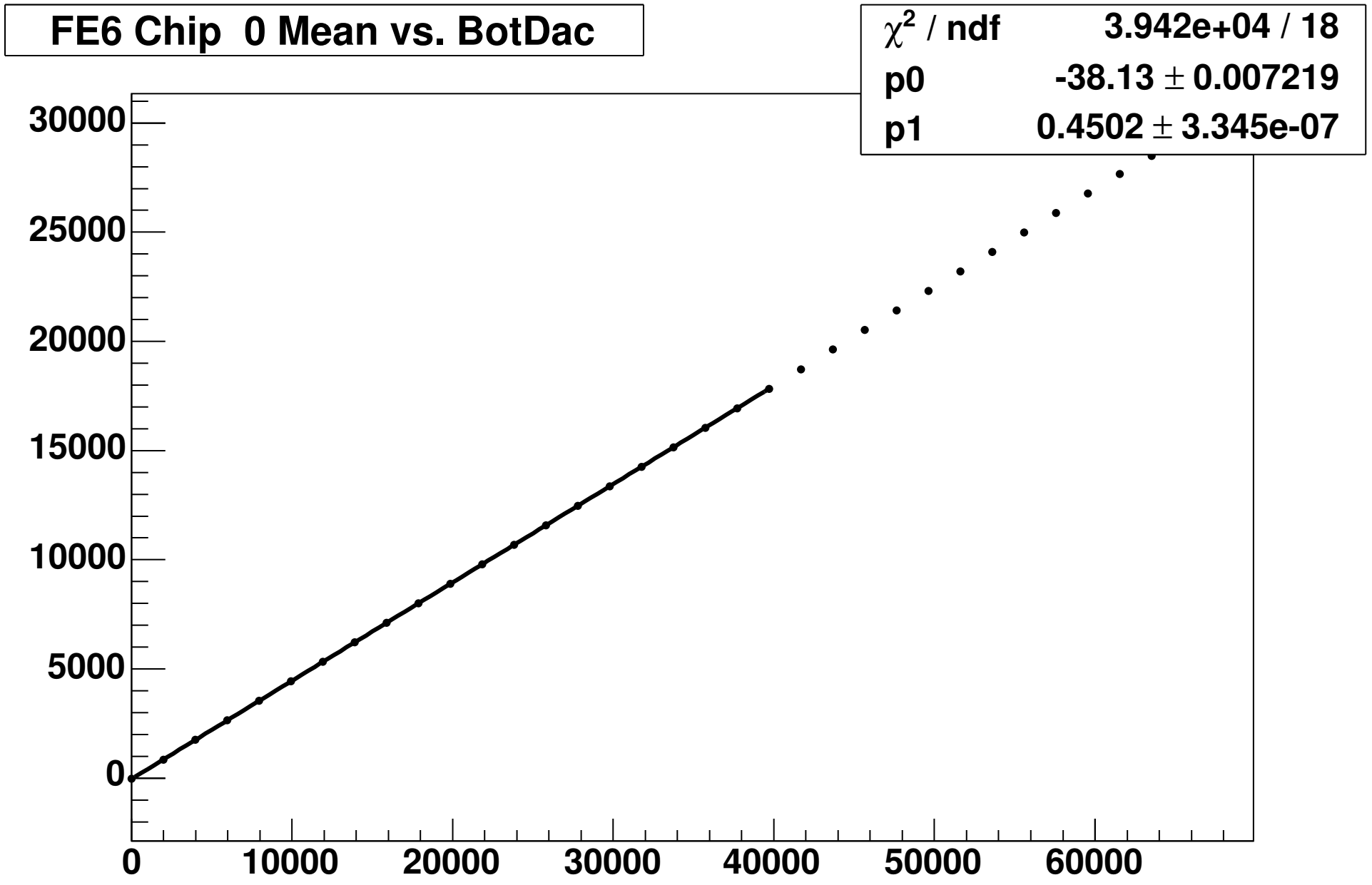
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 611.4 / 18
p0 1.356 ± 0.003953
p1 3.449e-05 ± 2.799e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 3.942e+04 / 18
p0 -38.13 ± 0.007219
p1 0.4502 ± 3.345e-07
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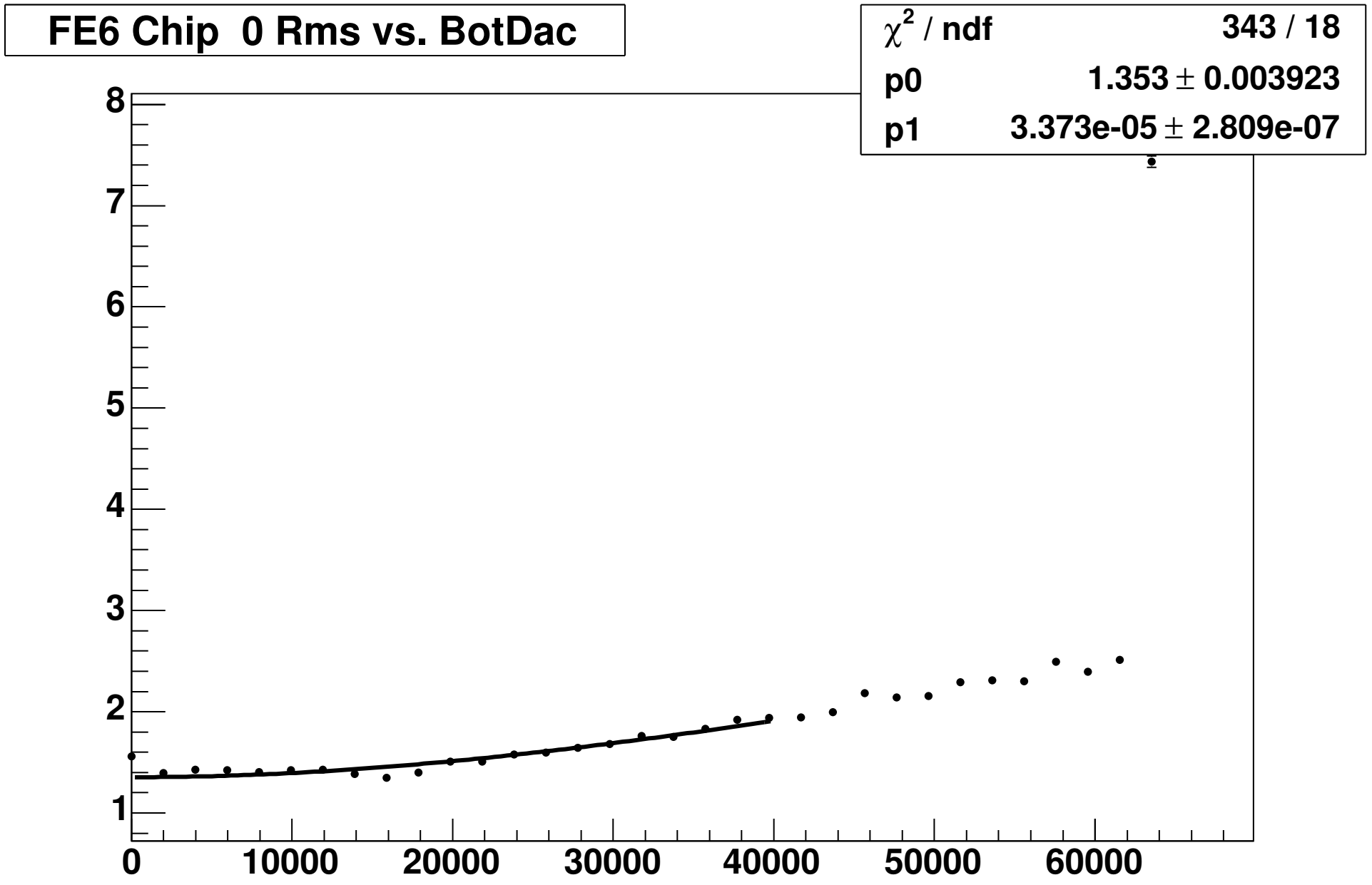
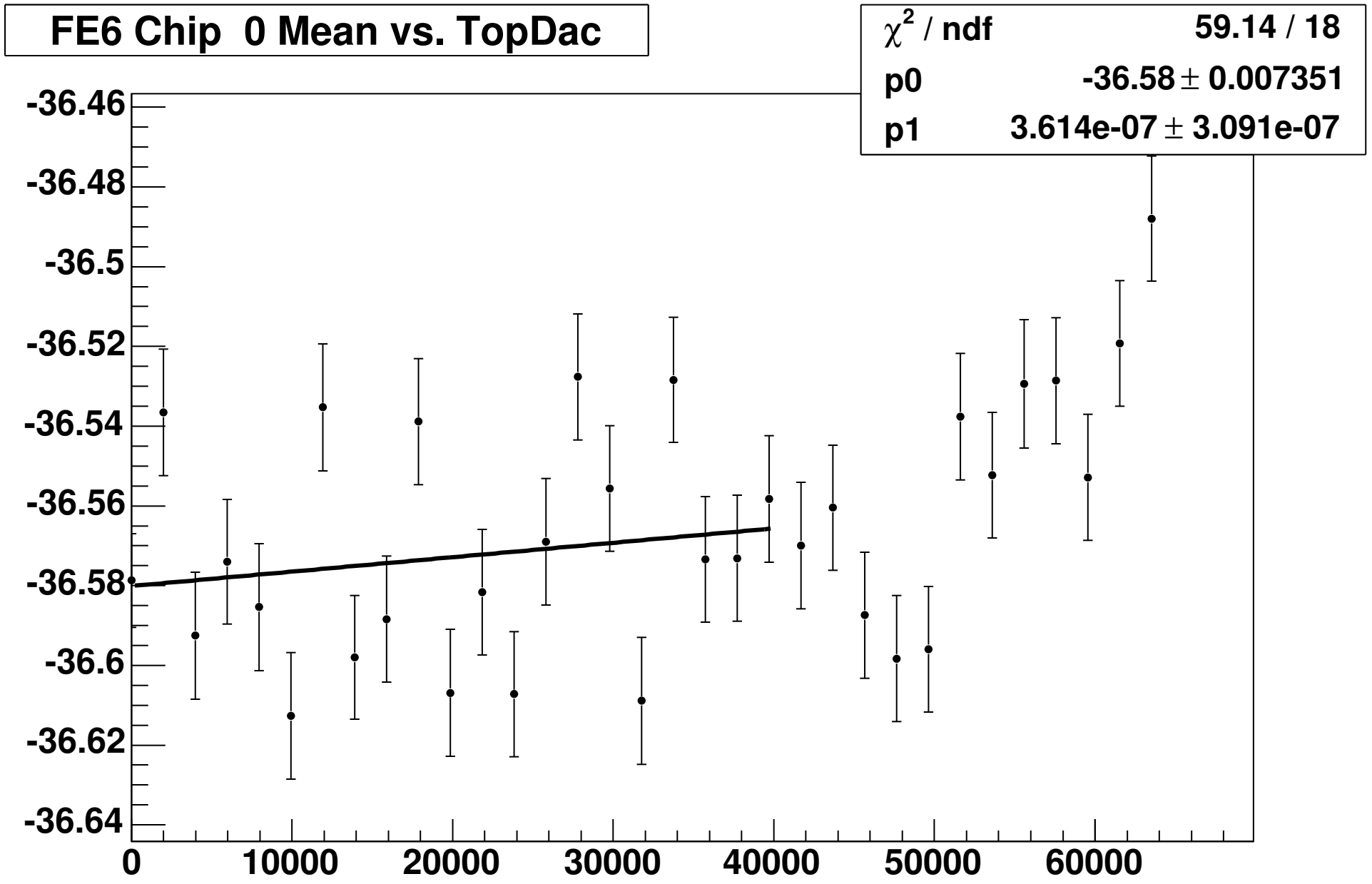
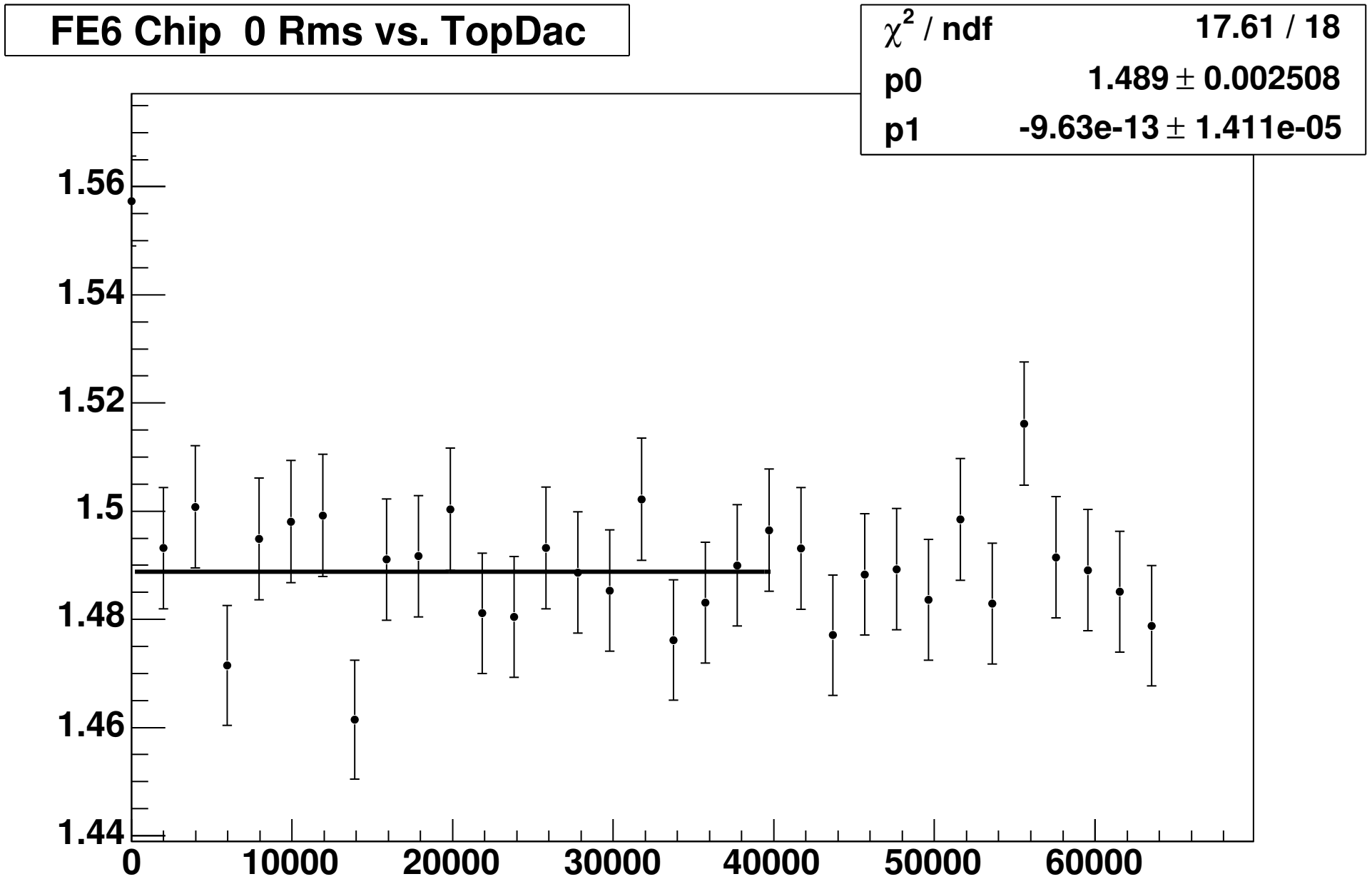
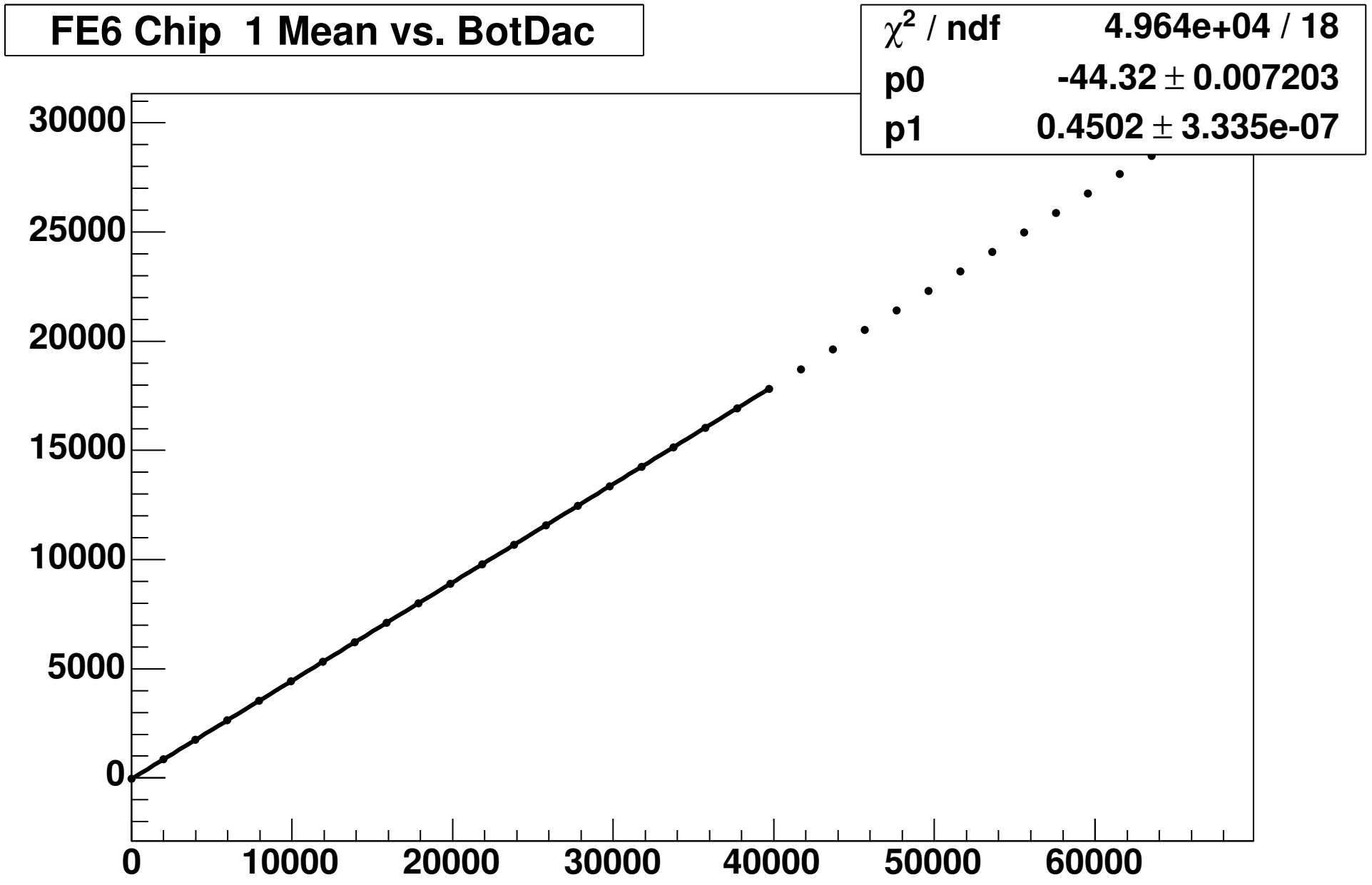
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 343 / 18
p0 1.353 ± 0.003923
p1 3.373e-05 ± 2.809e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 59.14 / 18
p0 -36.58 ± 0.007351
p1 3.614e-07 ± 3.091e-07
-36.46
-36.48
-36.5
-36.52
-36.54
-36.56
-36.58
-36.6
-36.62
-36.64
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 17.61 / 18
p0 1.489 ± 0.002508
p1 -9.63e-13 ± 1.411e-05
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 4.964e+04 / 18
p0 -44.32 ± 0.007203
p1 0.4502 ± 3.335e-07
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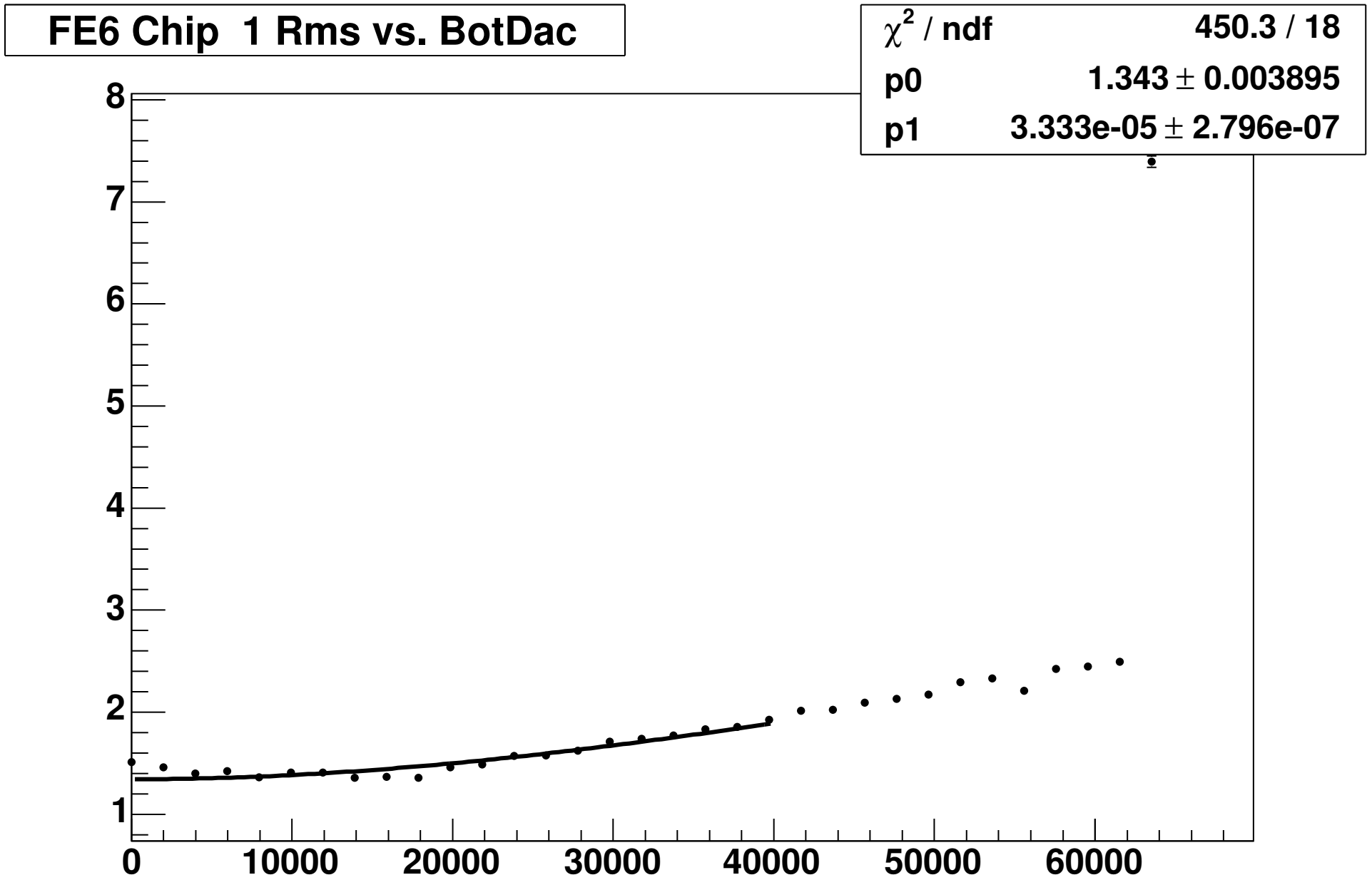
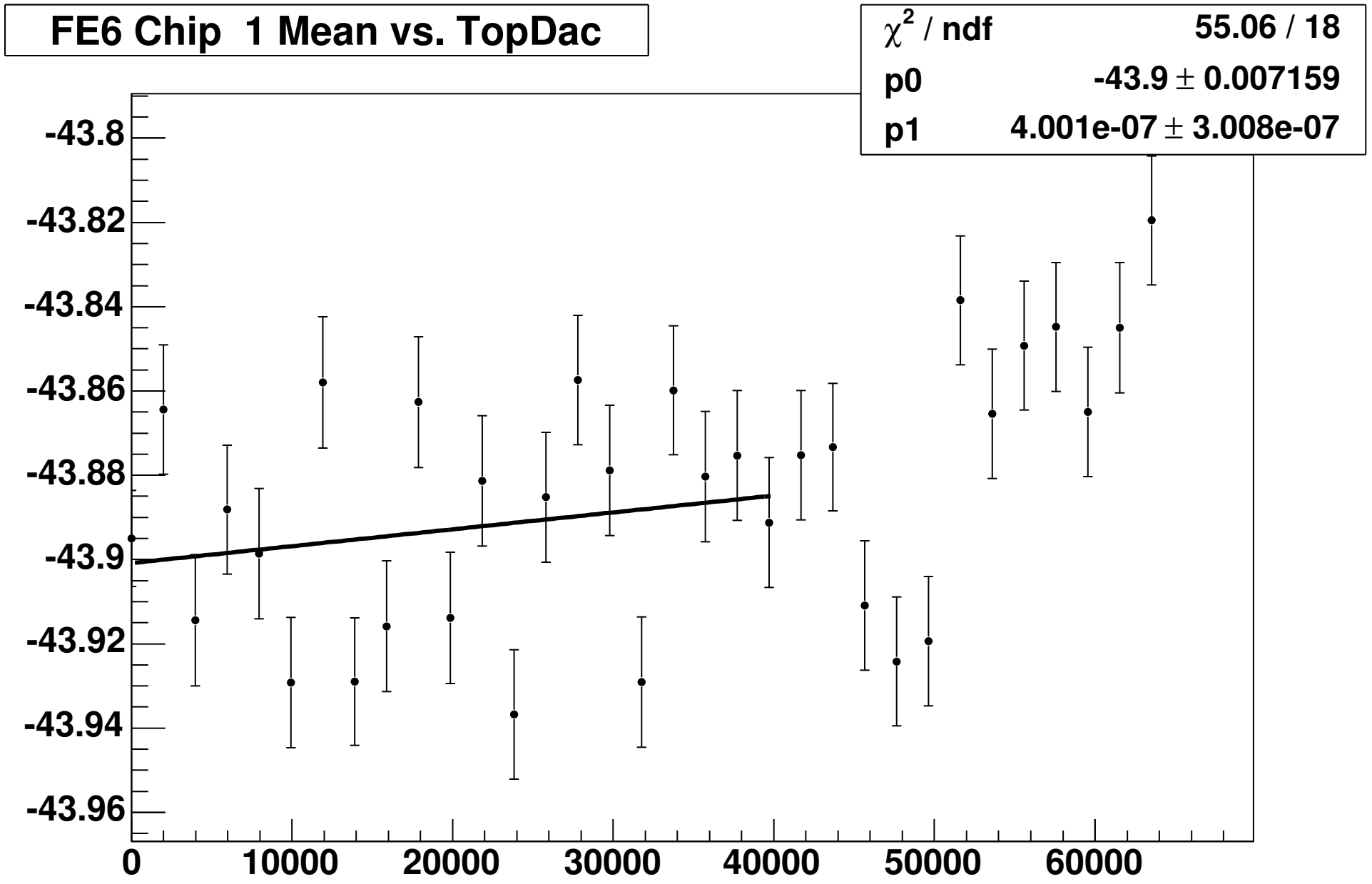
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 450.3 / 18
p0 1.343 ± 0.003895
p1 3.333e-05 ± 2.796e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 55.06 / 18
p0 -43.9 ± 0.007159
p1 4.001e-07 ± 3.008e-07
-43.8
-43.82
-43.84
-43.86
-43.88
-43.9
-43.92
-43.94
-43.96
0
10000
20000
30000
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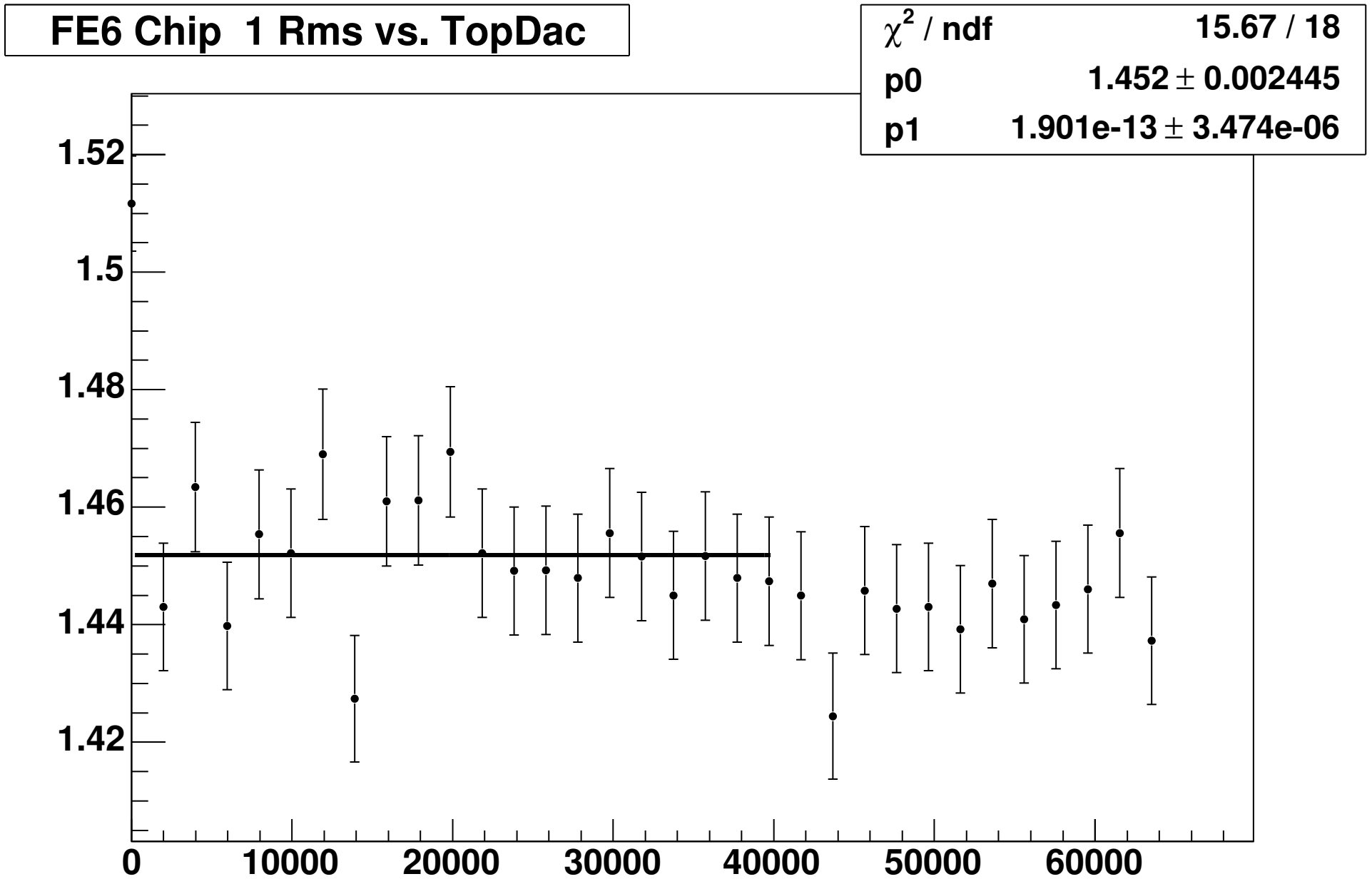
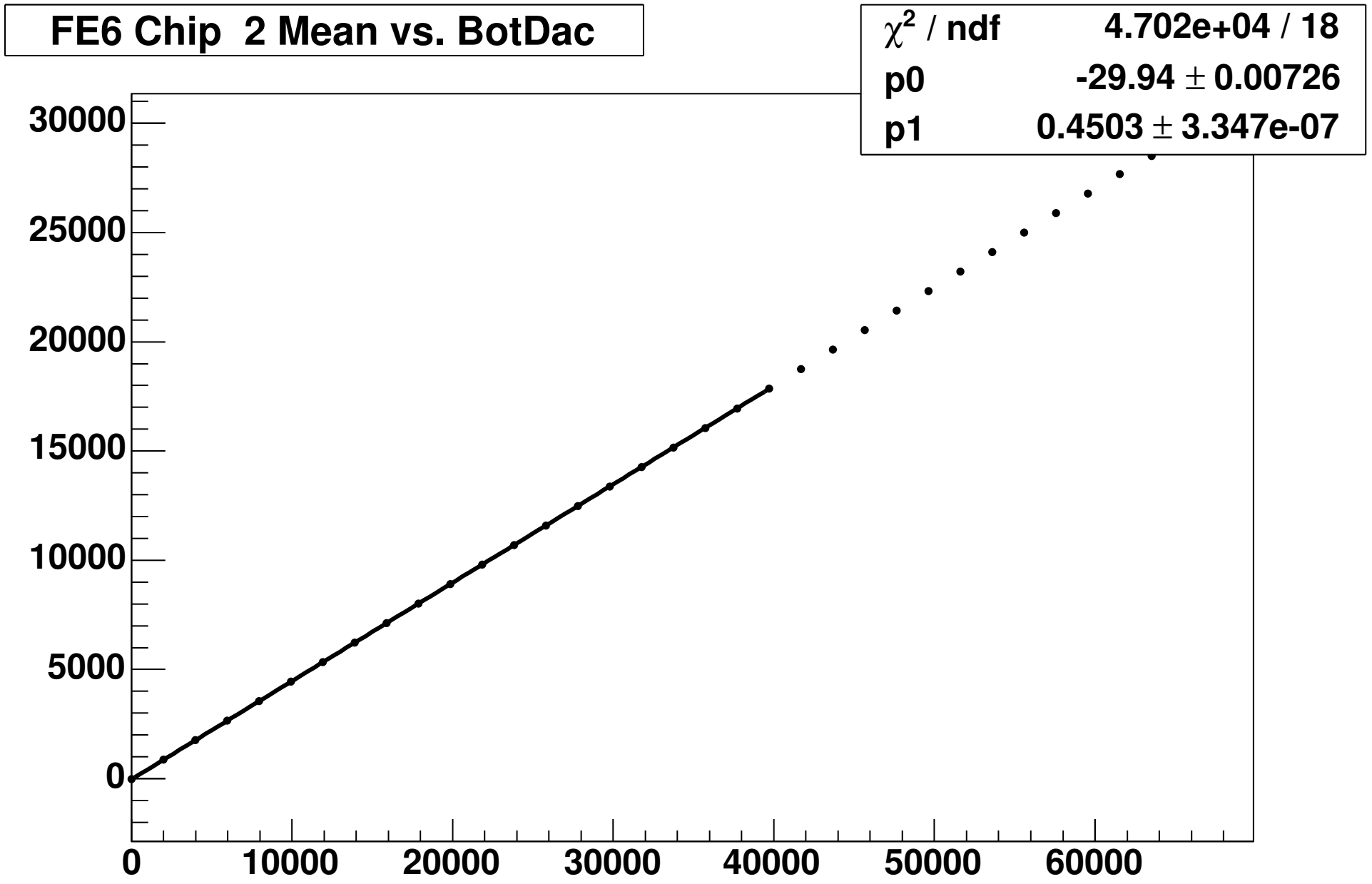
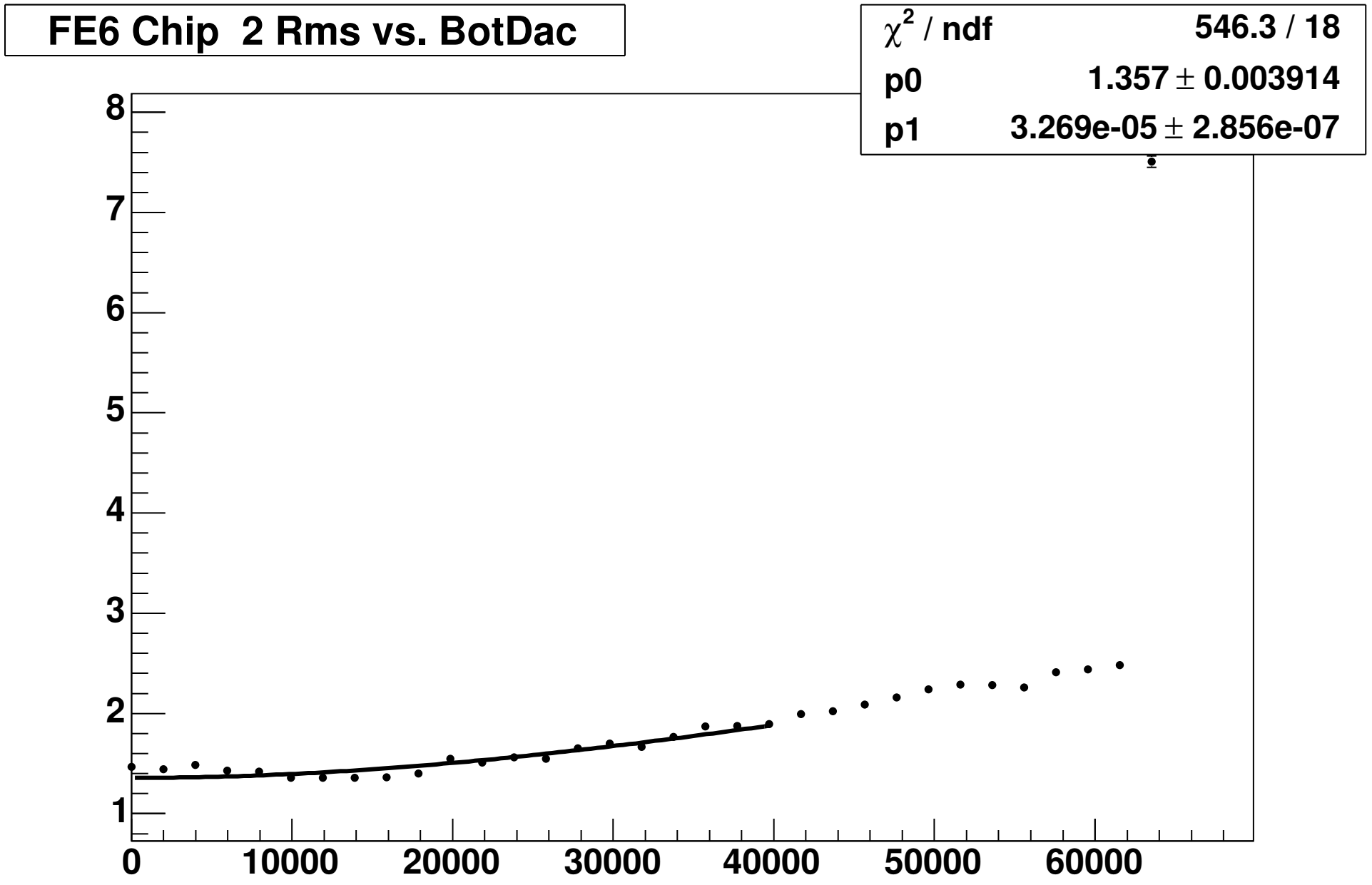
50000
60000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 15.67 / 18
p0 1.452 ± 0.002445
p1 1.901e-13 ± 3.474e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 4.702e+04 / 18
p0 -29.94 ± 0.00726
p1 0.4503 ± 3.347e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 546.3 / 18
p0 1.357 ± 0.003914
p1 3.269e-05 ± 2.856e-07
8
7
6
5
4
3
2
1
0
10000
20000
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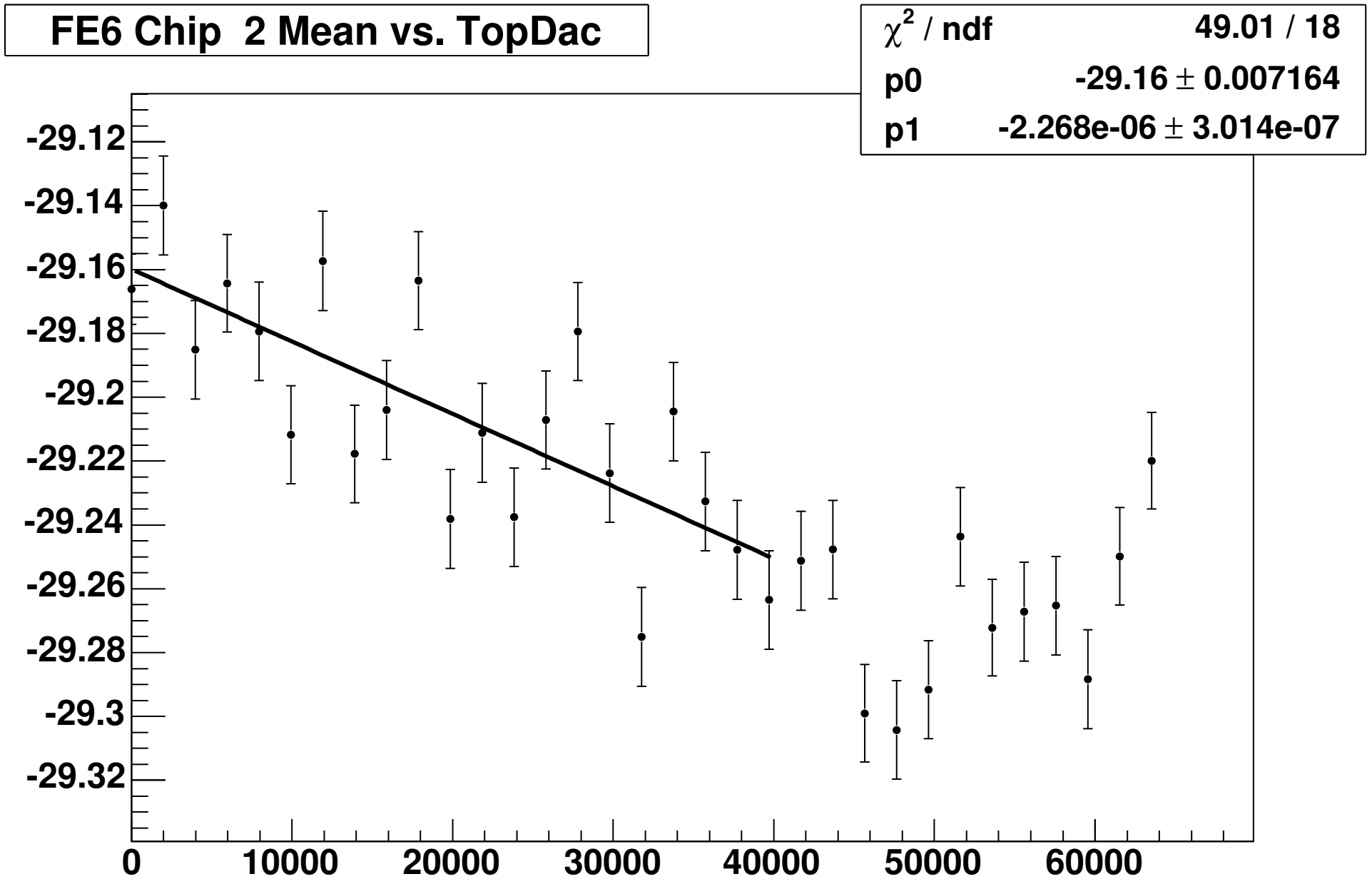
FE6 Chip 2 Mean vs. TopDac
χ^2 / ndf 49.01 / 18
p0 -29.16 ± 0.007164
p1 -2.268e-06 ± 3.014e-07
-29.12
-29.14
-29.16
-29.18
-29.2
-29.22
-29.24
-29.26
-29.28
-29.3
-29.32
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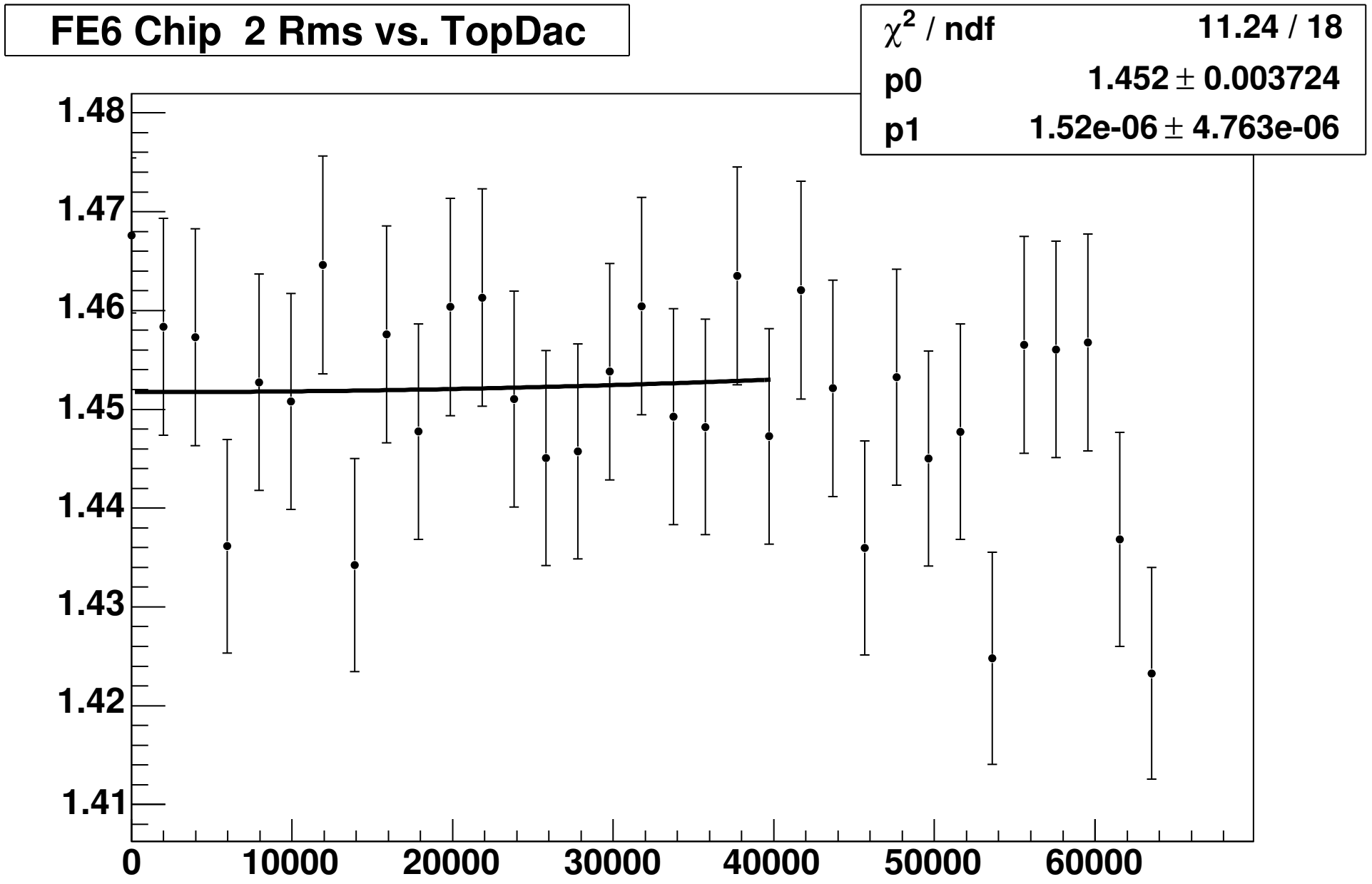
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 11.24 / 18
p0 1.452 ± 0.003724
p1 1.52e-06 ± 4.763e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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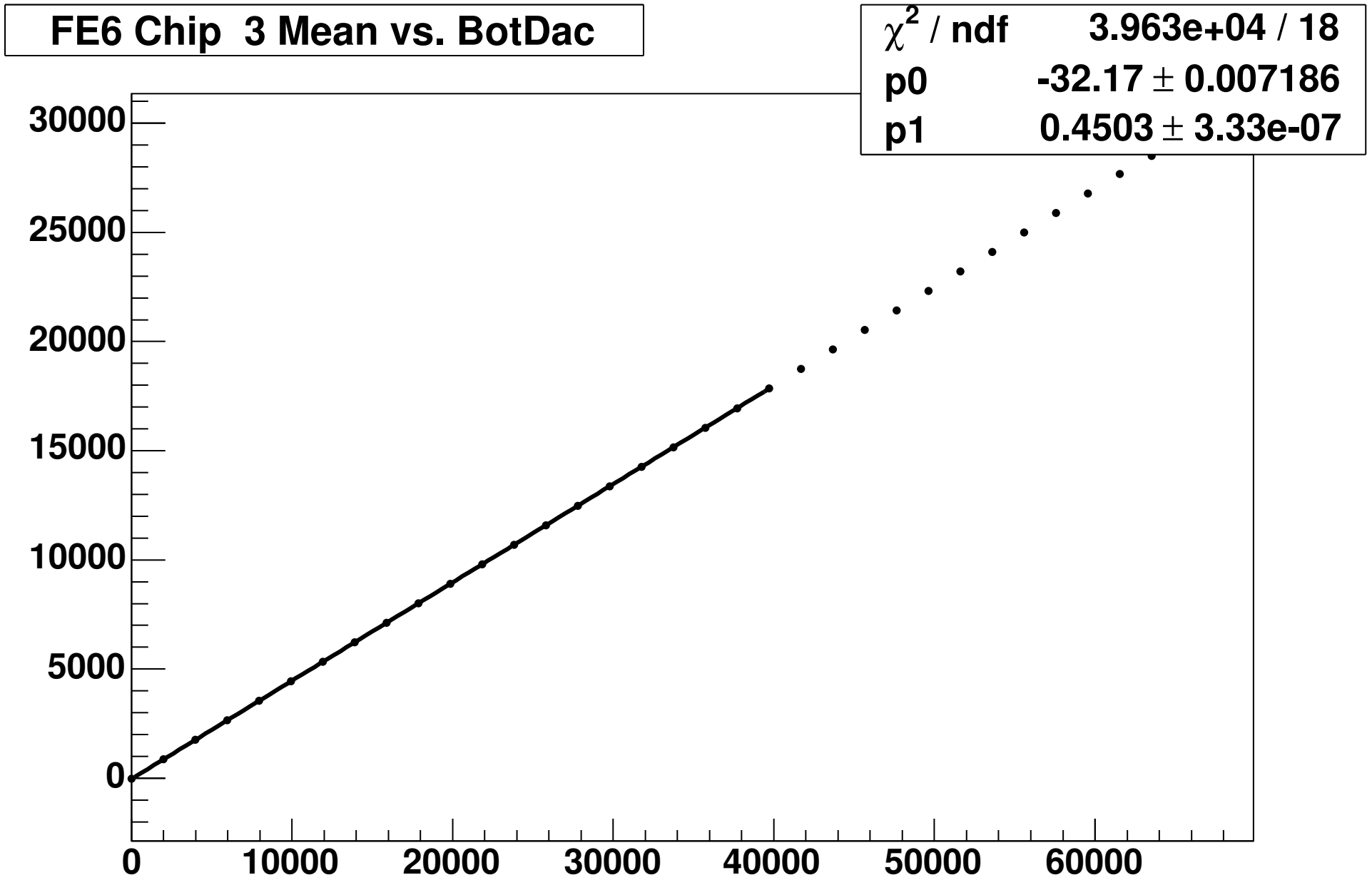
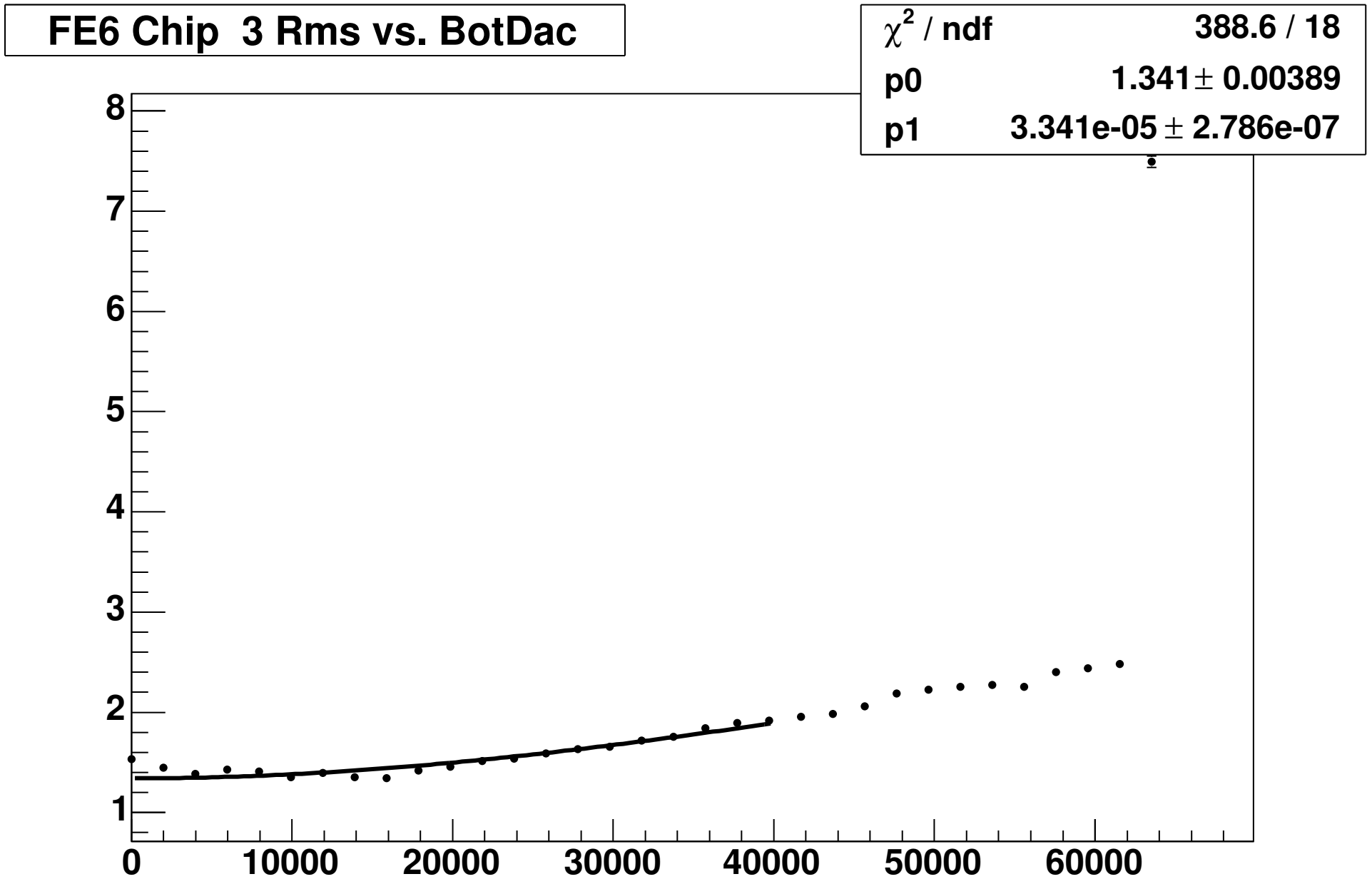

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 3.963e+04 / 18
p0 -32.17 ± 0.007186
p1 0.4503 ± 3.33e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 388.6 / 18
p0 1.341 ± 0.00389
p1 3.341e-05 ± 2.786e-07
8
7
6
5
4
3
2
1
0
10000
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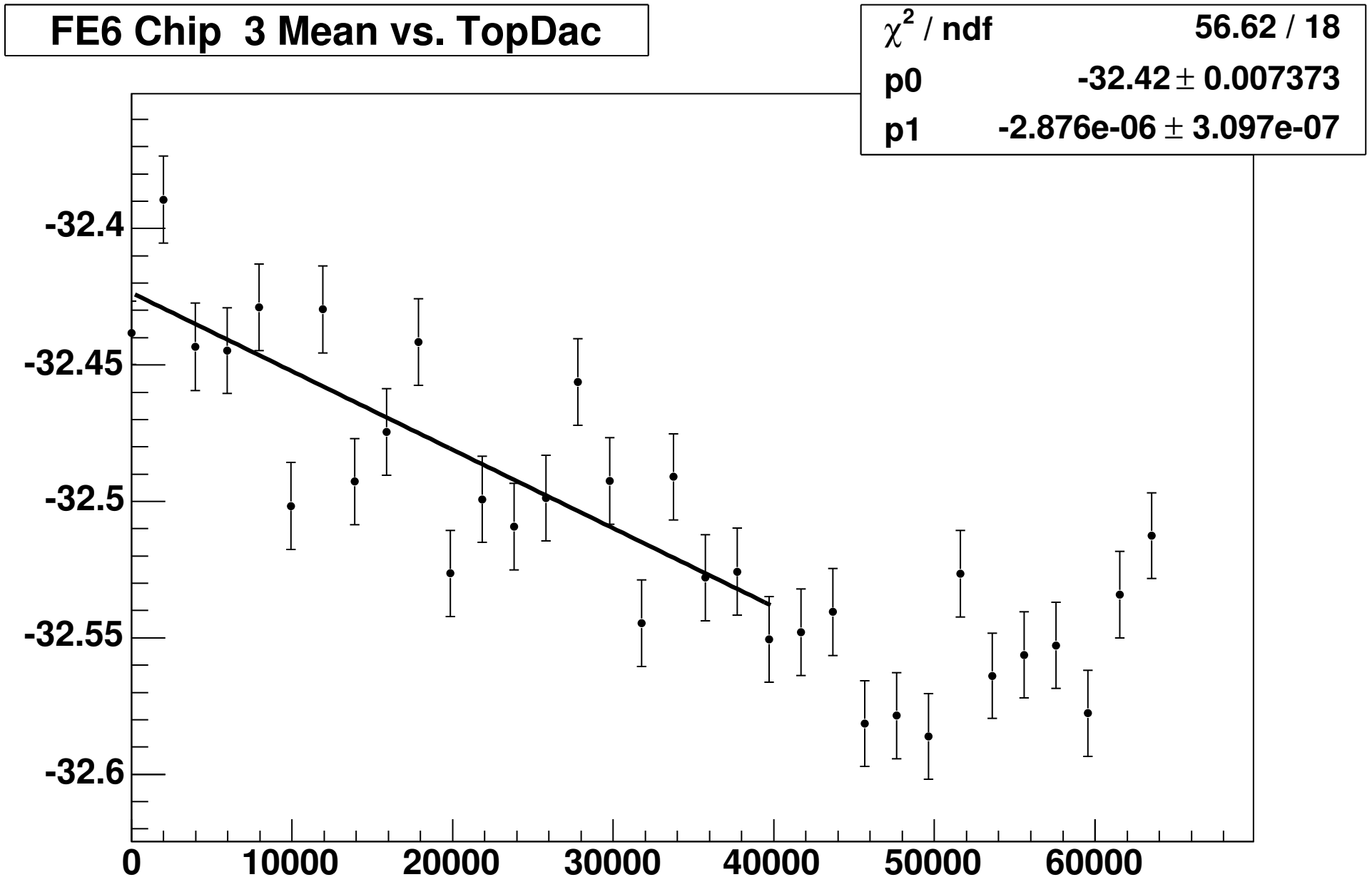
50000
60000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 56.62 / 18
p0 -32.42 ± 0.007373
p1 -2.876e-06 ± 3.097e-07
-32.4
-32.45
-32.5
-32.55
-32.6
0
10000
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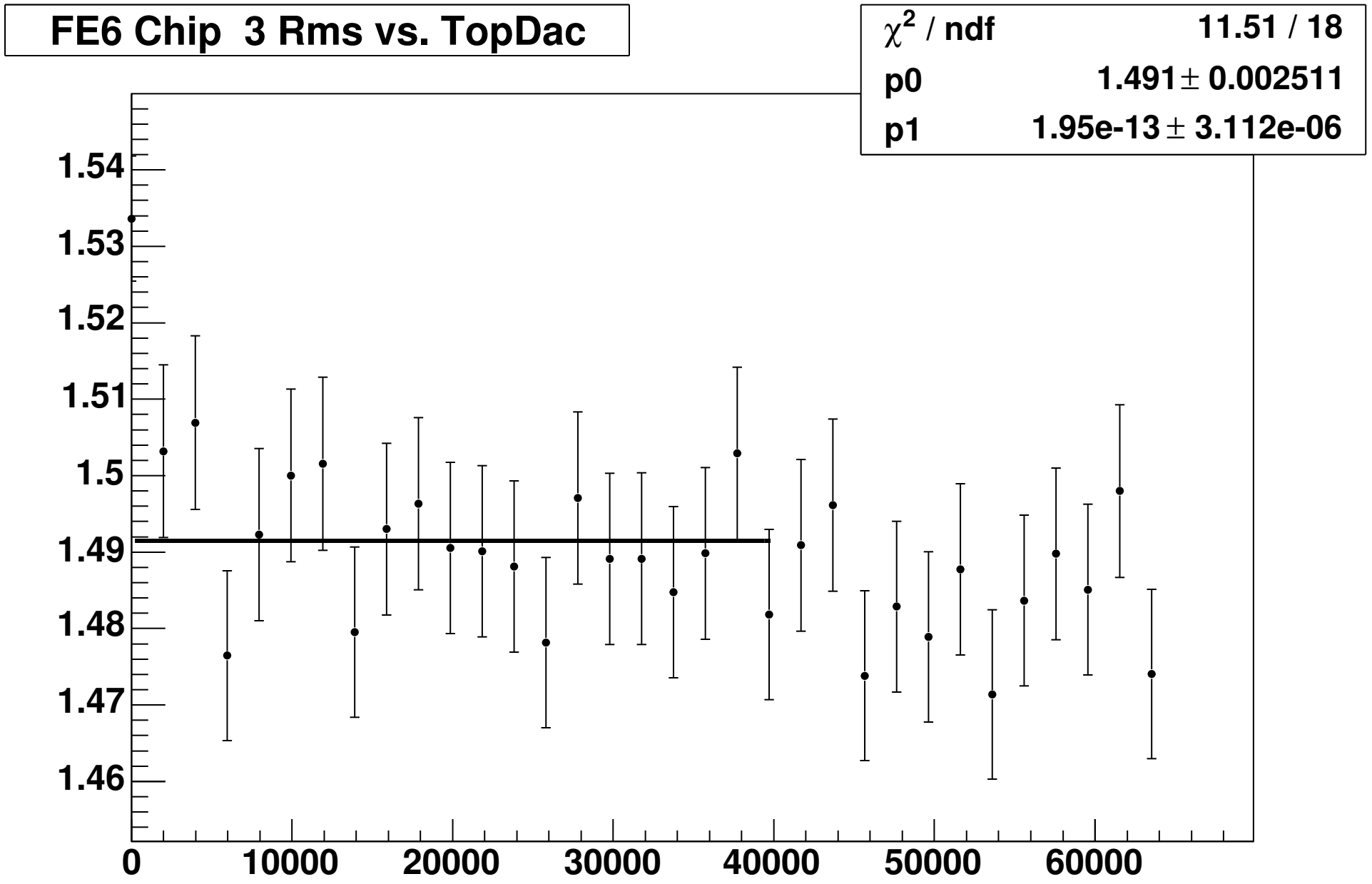
50000
60000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 11.51 / 18
p0 1.491 ± 0.002511
p1 1.95e-13 ± 3.112e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
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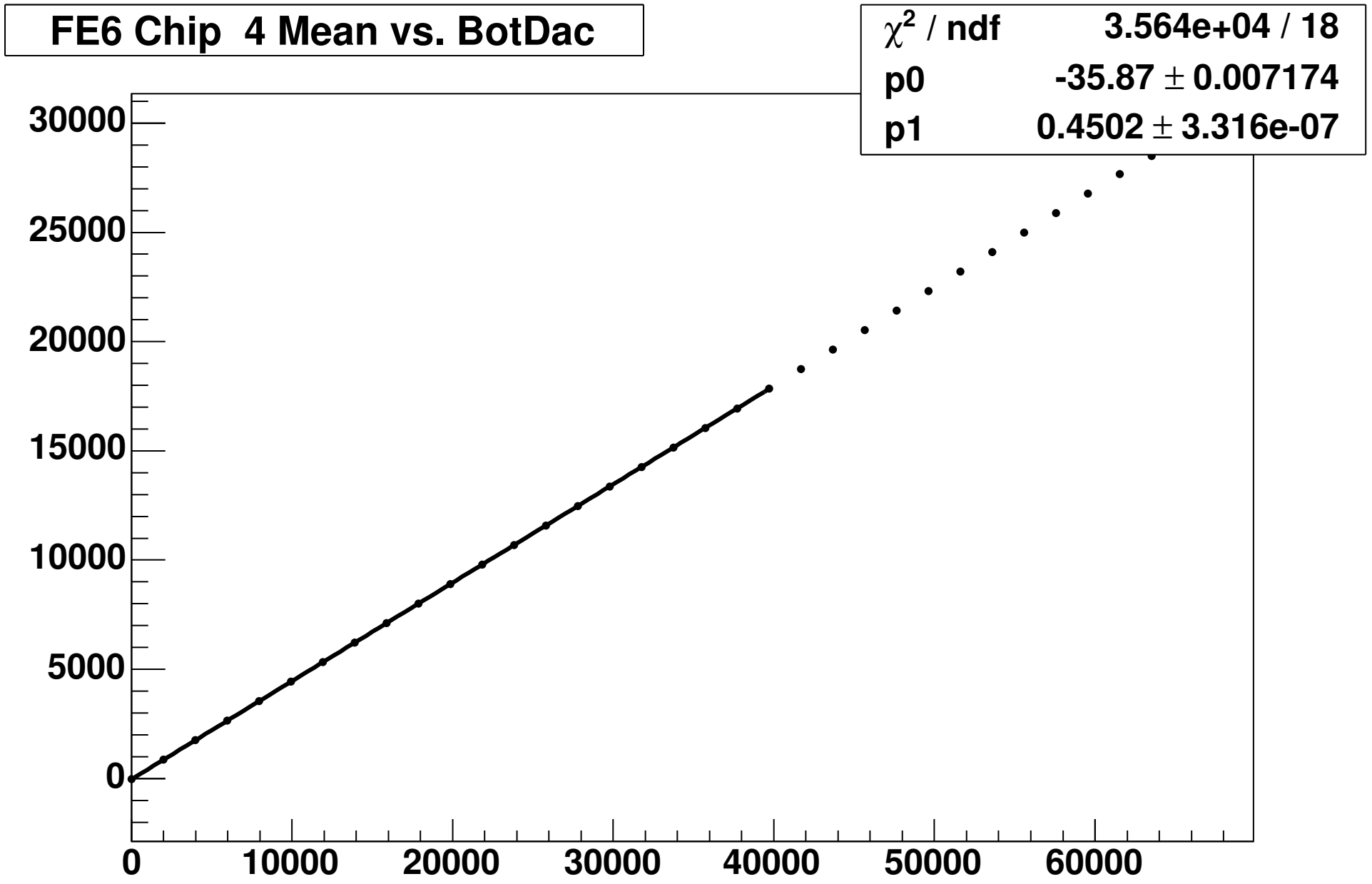
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 3.564e+04 / 18
p0 -35.87 ± 0.007174
p1 0.4502 ± 3.316e-07
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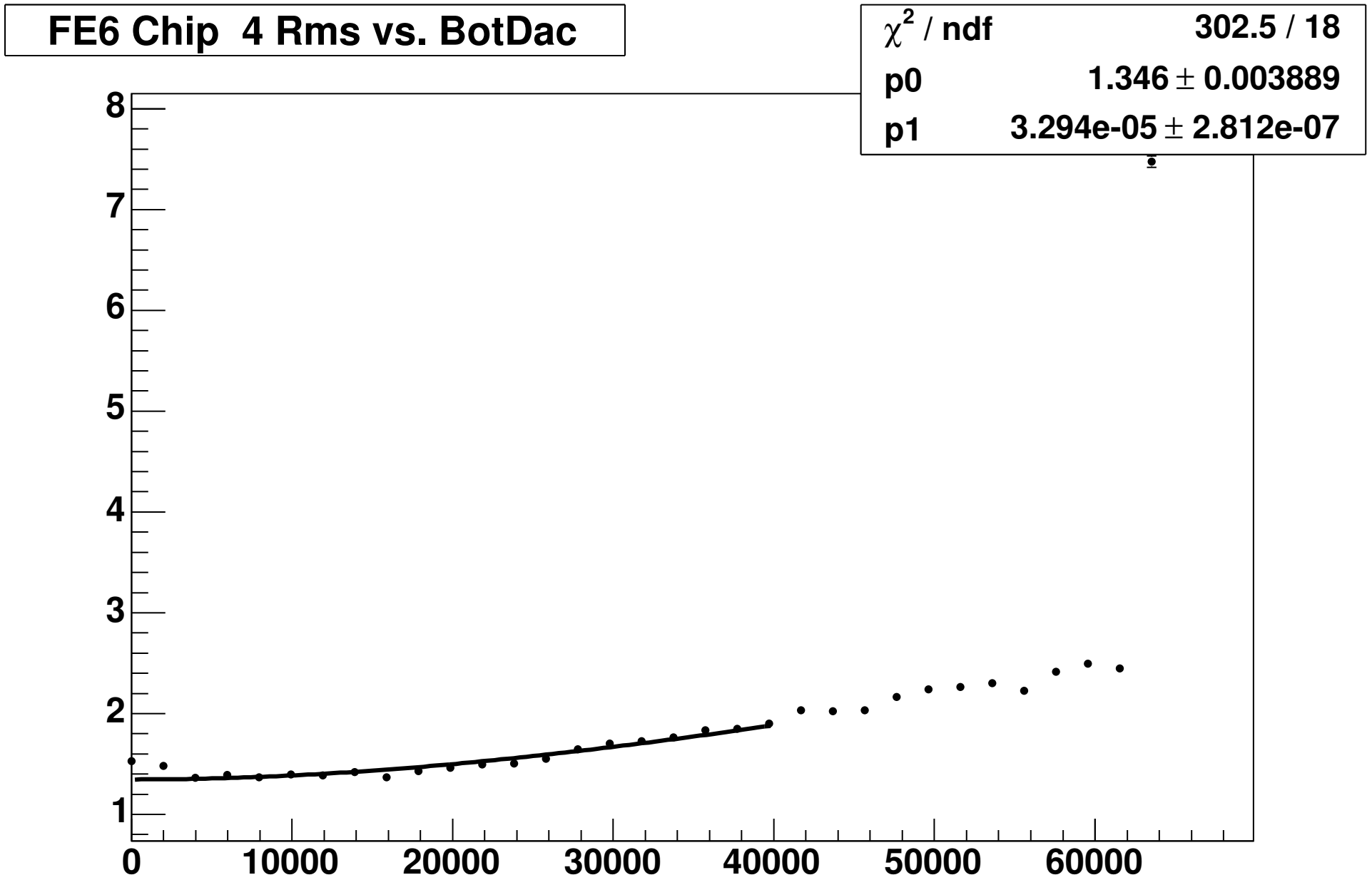
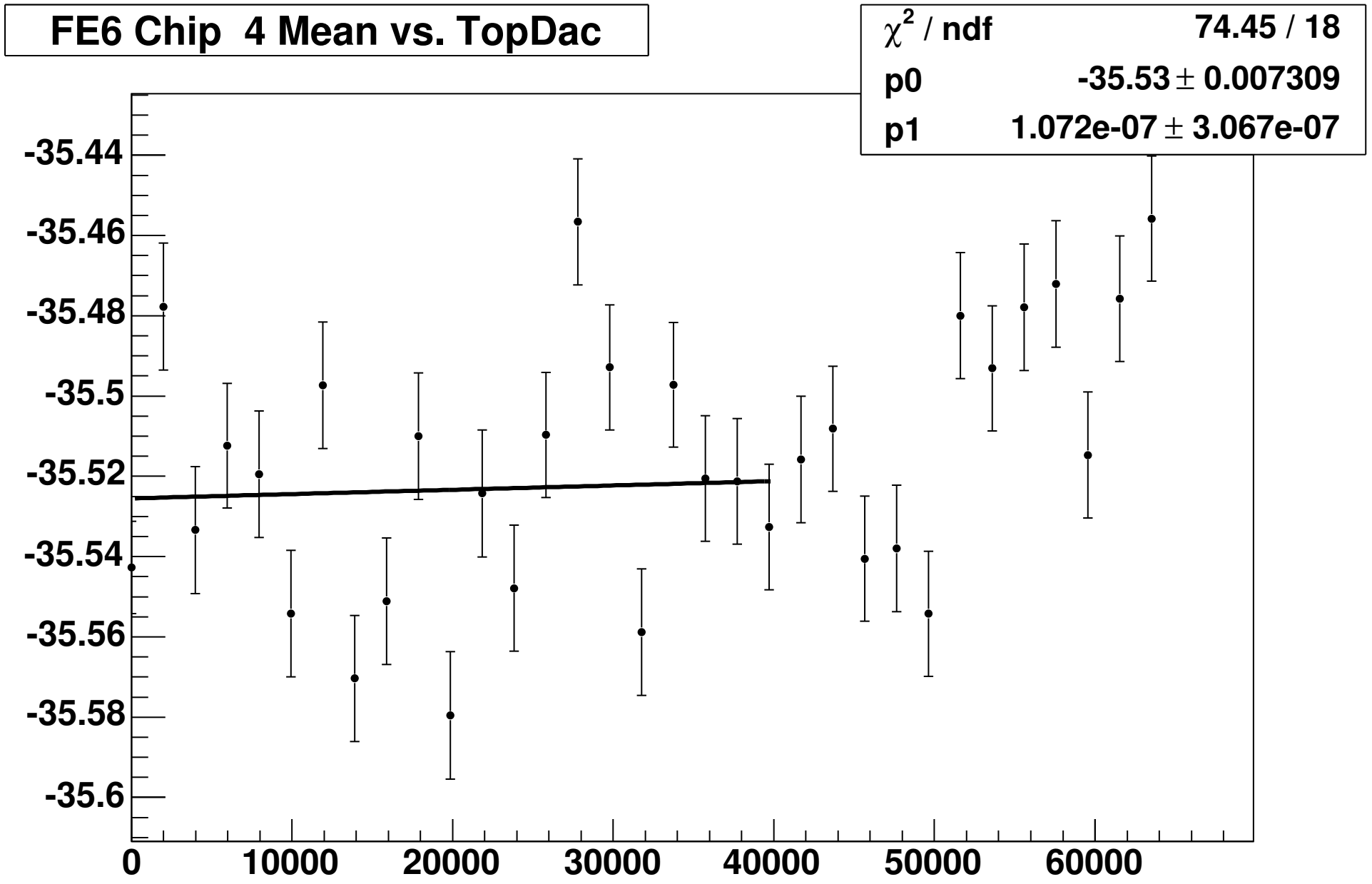
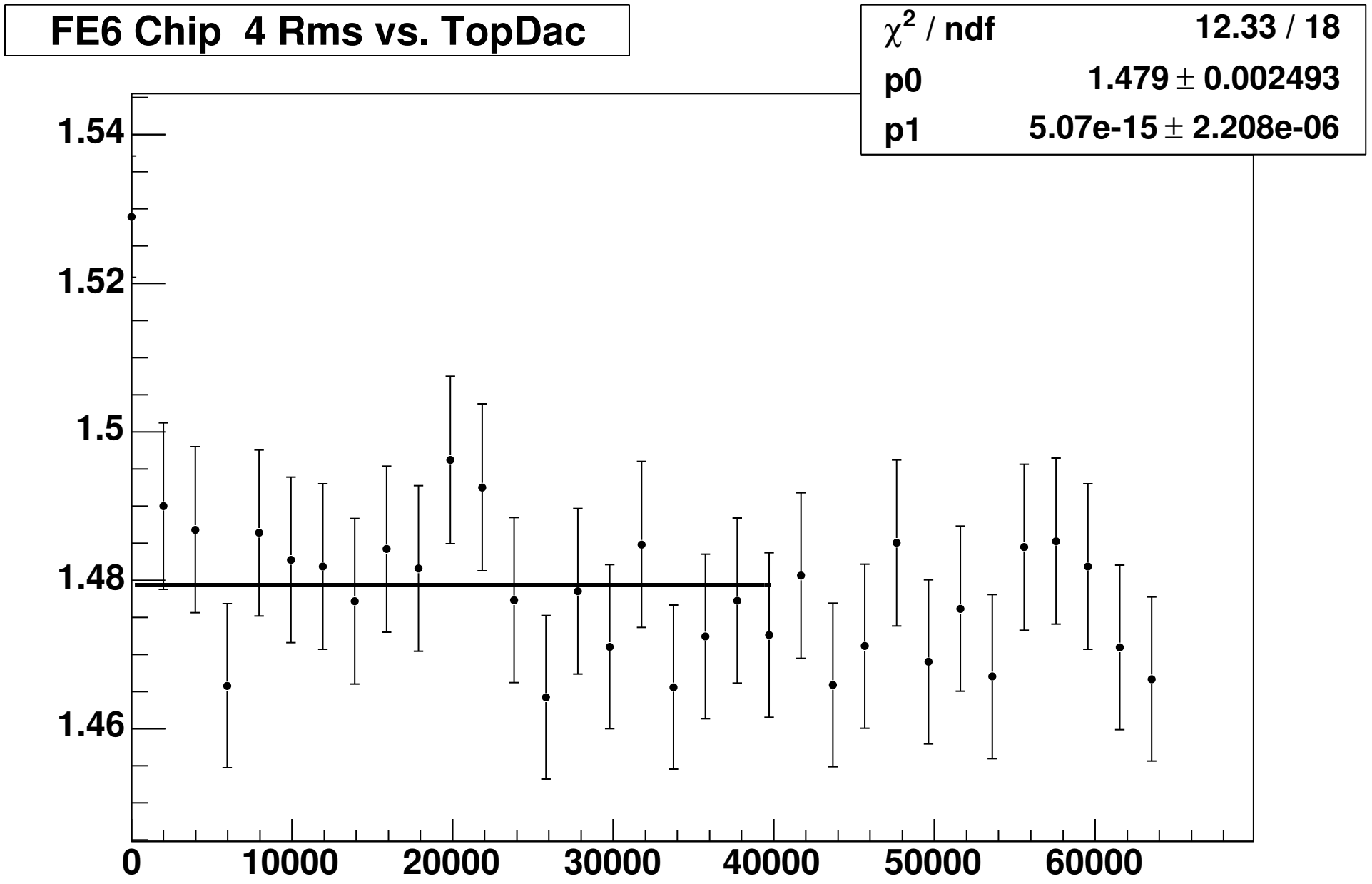
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 302.5 / 18
p0 1.346 ± 0.003889
p1 3.294e-05 ± 2.812e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 74.45 / 18
p0 -35.53 ± 0.007309
p1 1.072e-07 ± 3.067e-07
-35.44
-35.46
-35.48
-35.5
-35.52
-35.54
-35.56
-35.58
-35.6
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 12.33 / 18
p0 1.479 ± 0.002493
p1 5.07e-15 ± 2.208e-06
1.54
1.52
1.5
1.48
1.46
0
10000
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30000
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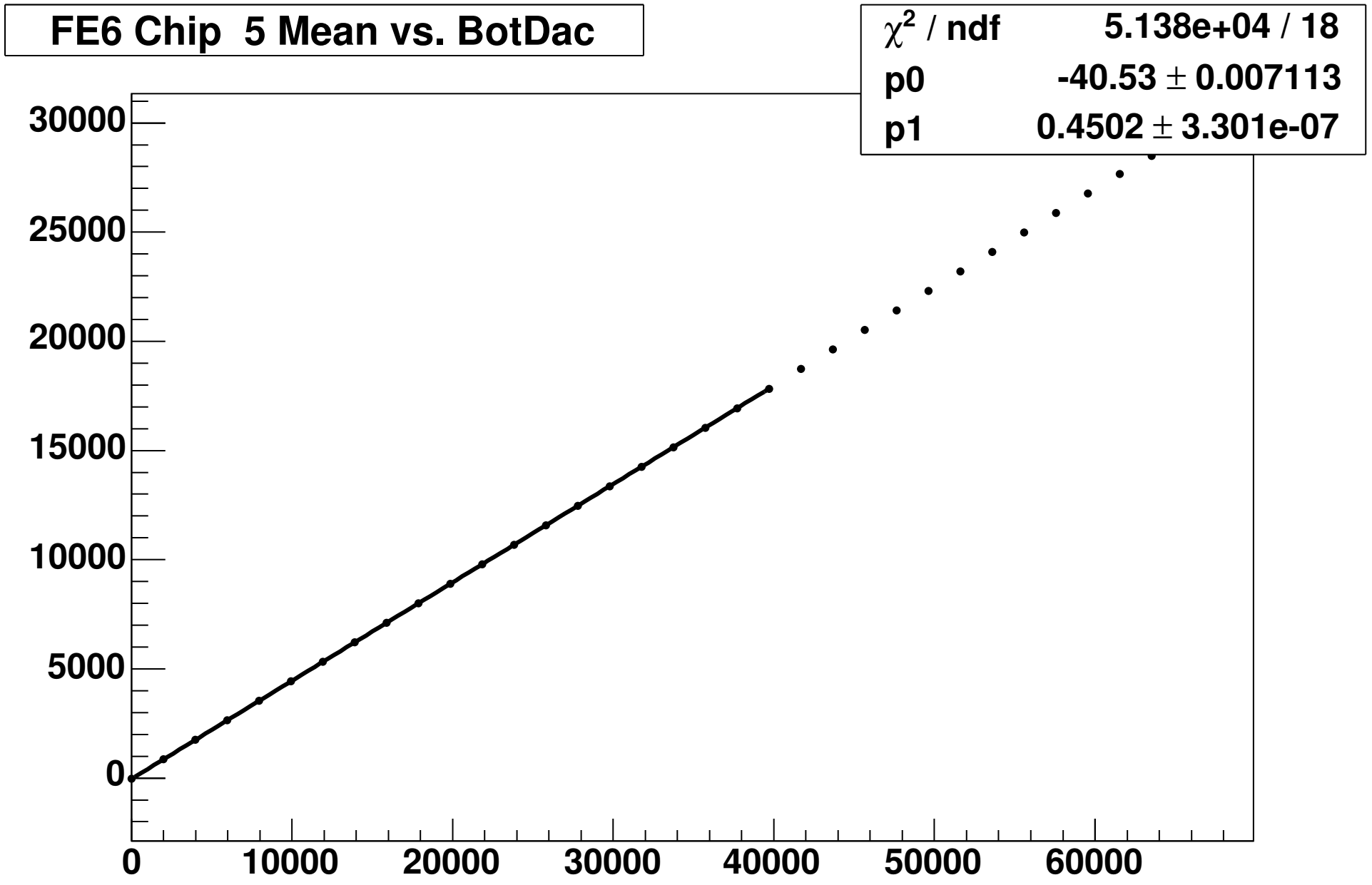
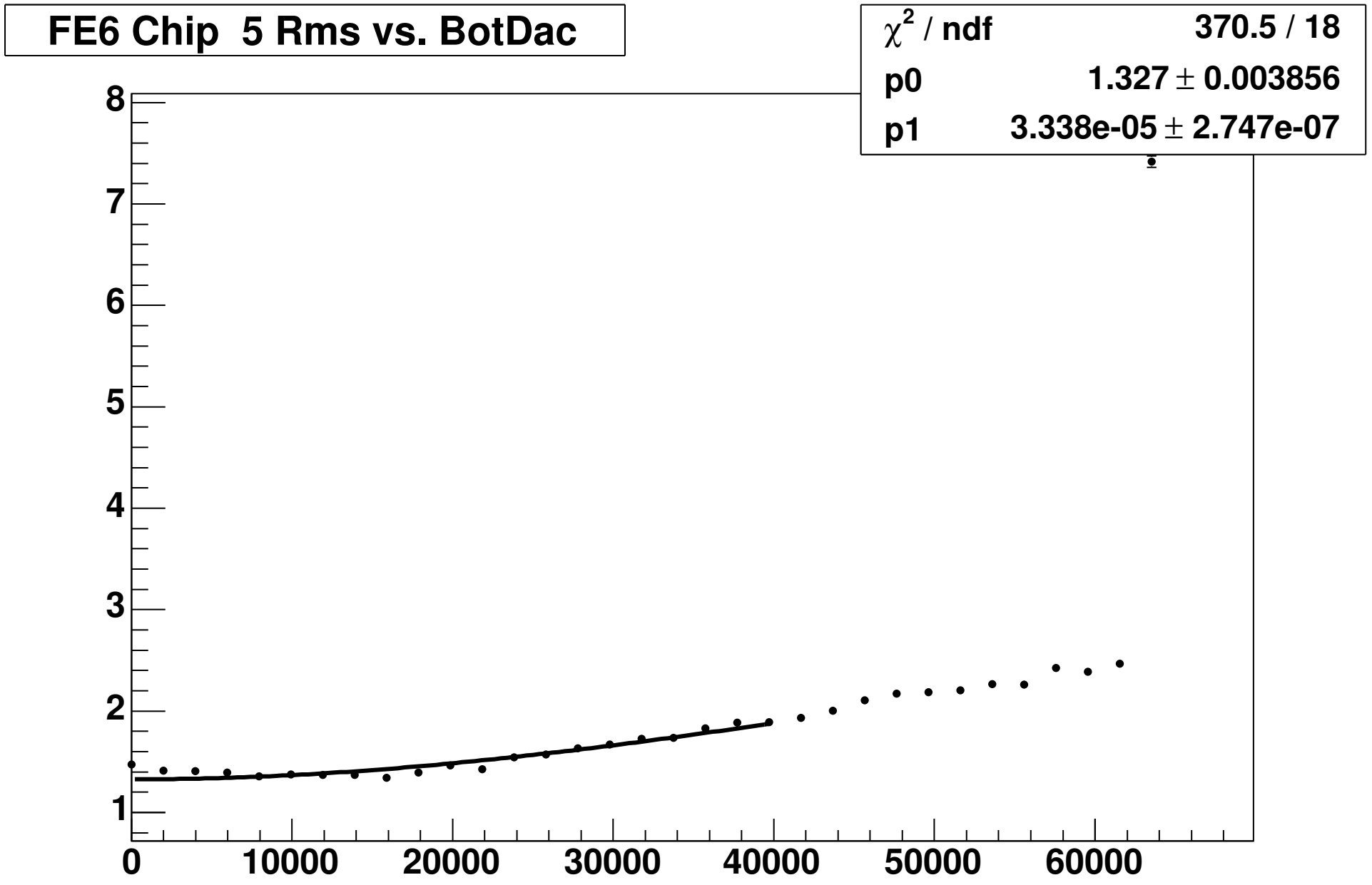
50000
60000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 5.138e+04 / 18
p0 -40.53 ± 0.007113
p1 0.4502 ± 3.301e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 370.5 / 18
p0 1.327 ± 0.003856
p1 3.338e-05 ± 2.747e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
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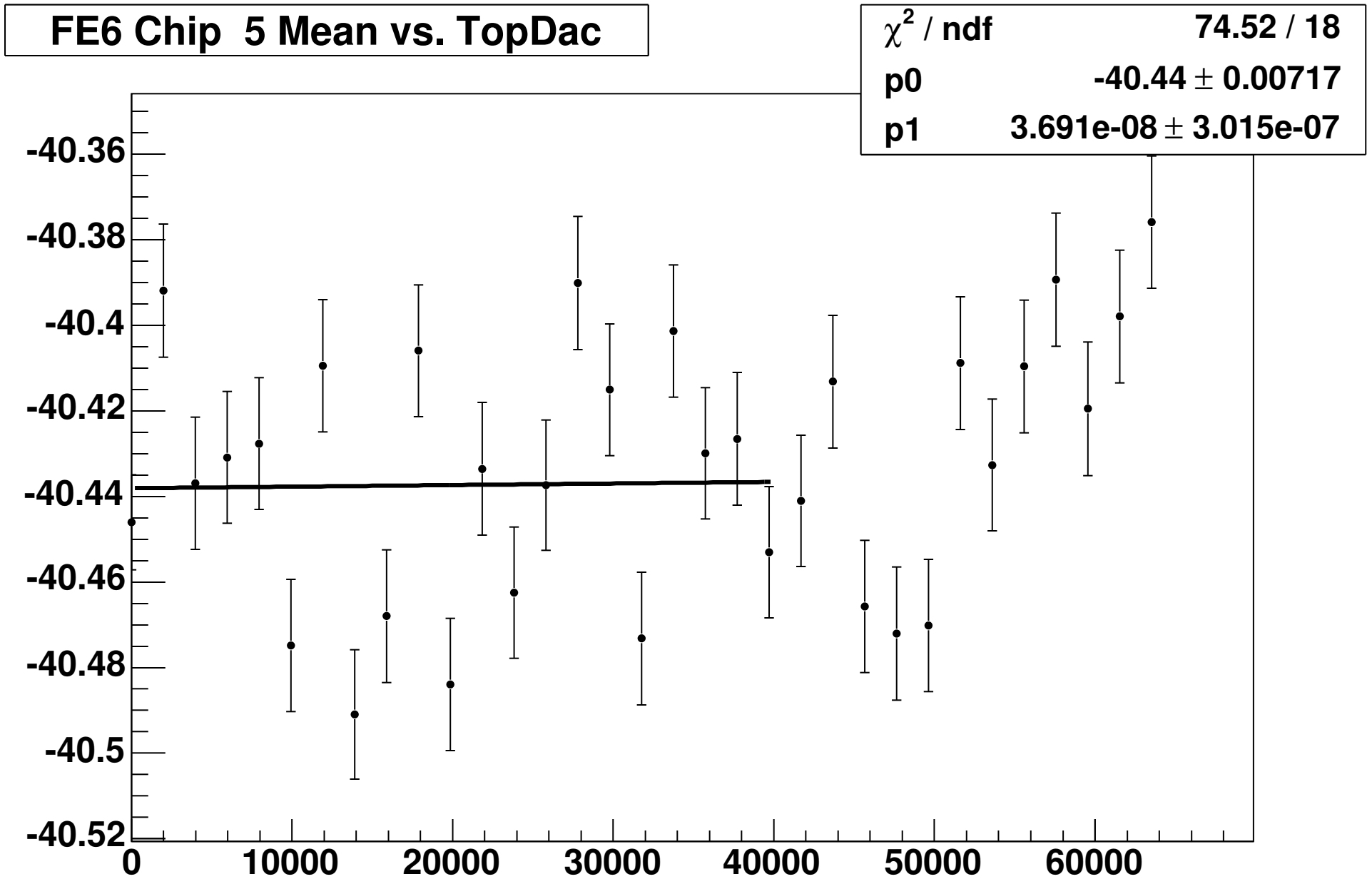
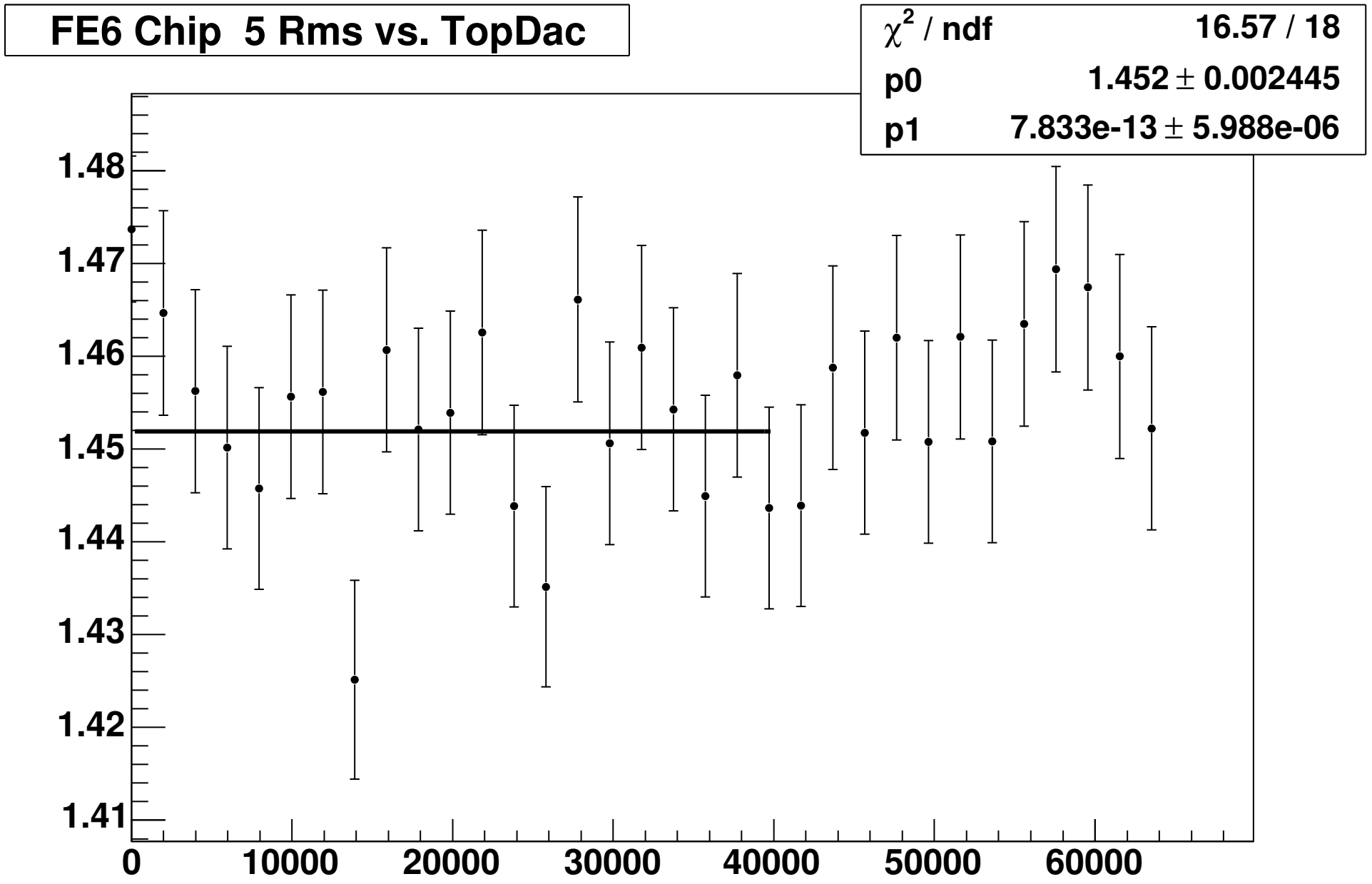
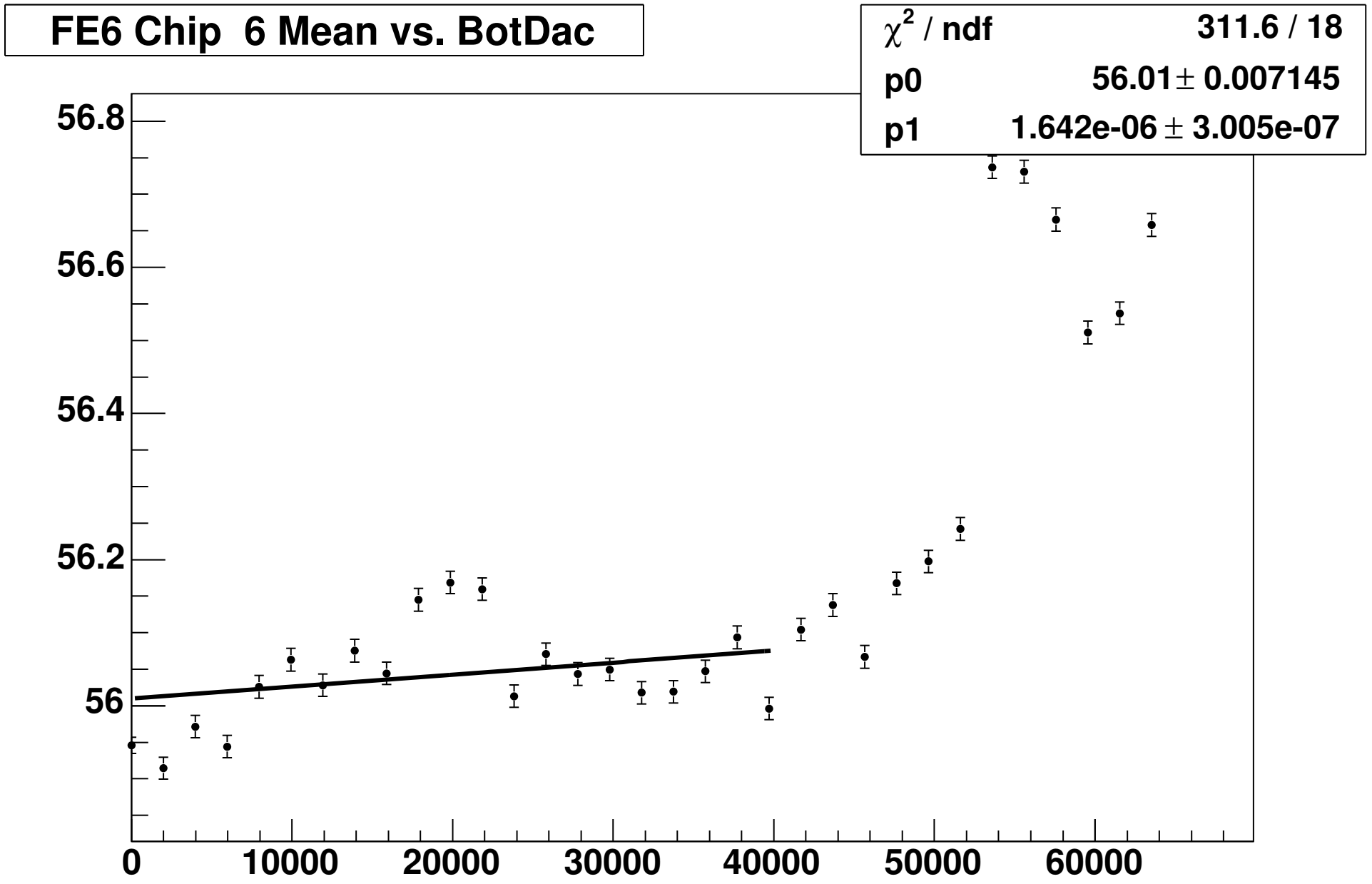
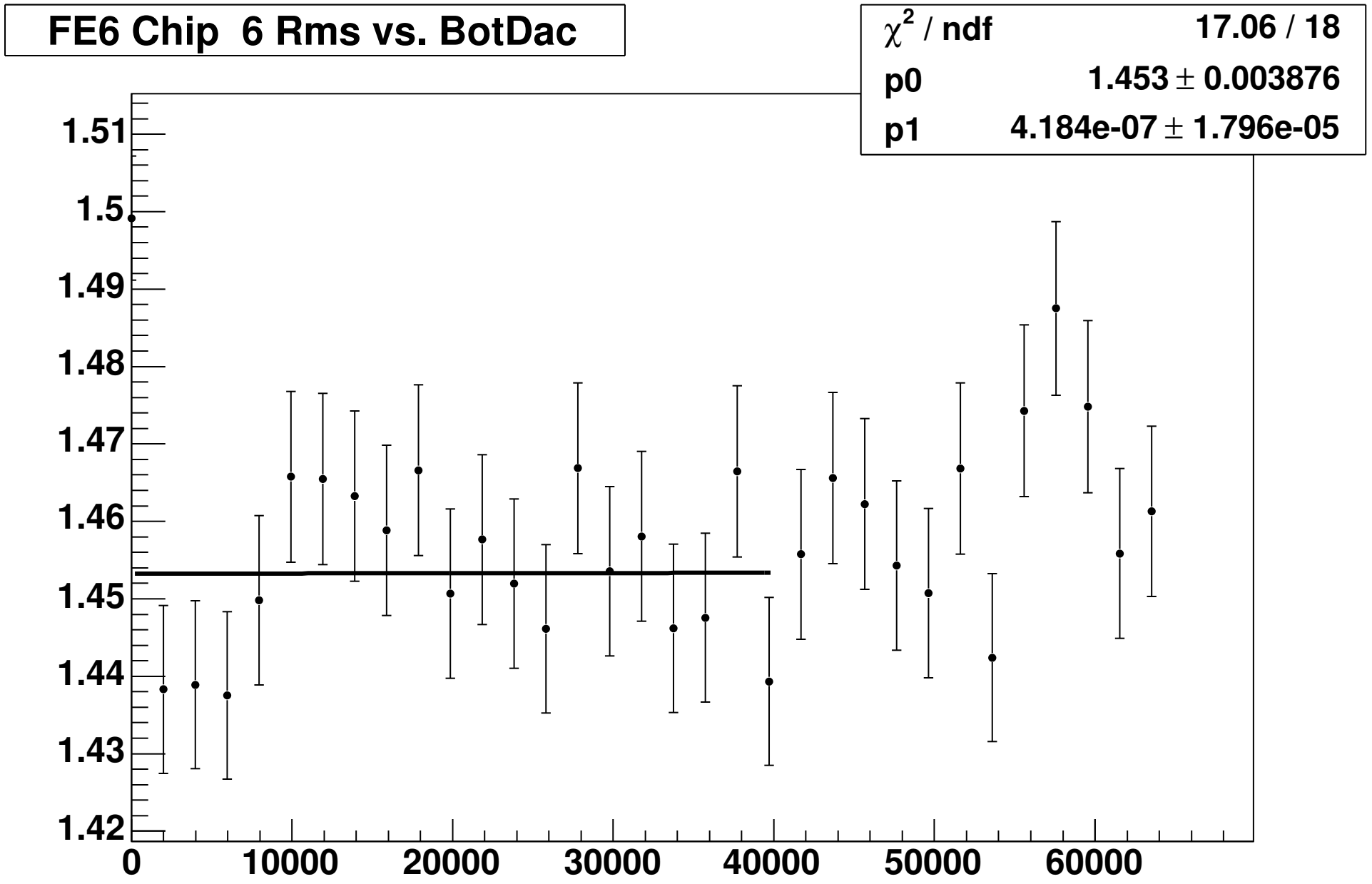
50000
60000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 74.52 / 18
p0 -40.44 ± 0.00717
p1 3.691e-08 ± 3.015e-07
-40.36
-40.38
-40.4
-40.42
-40.44
-40.46
-40.48
-40.5
-40.52
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 16.57 / 18
p0 1.452 ± 0.002445
p1 7.833e-13 ± 5.988e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 311.6 / 18
p0 56.01 ± 0.007145
p1 1.642e-06 ± 3.005e-07
56.8
56.6
56.4
56.2
56
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 17.06 / 18
p0 1.453 ± 0.003876
p1 4.184e-07 ± 1.796e-05
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
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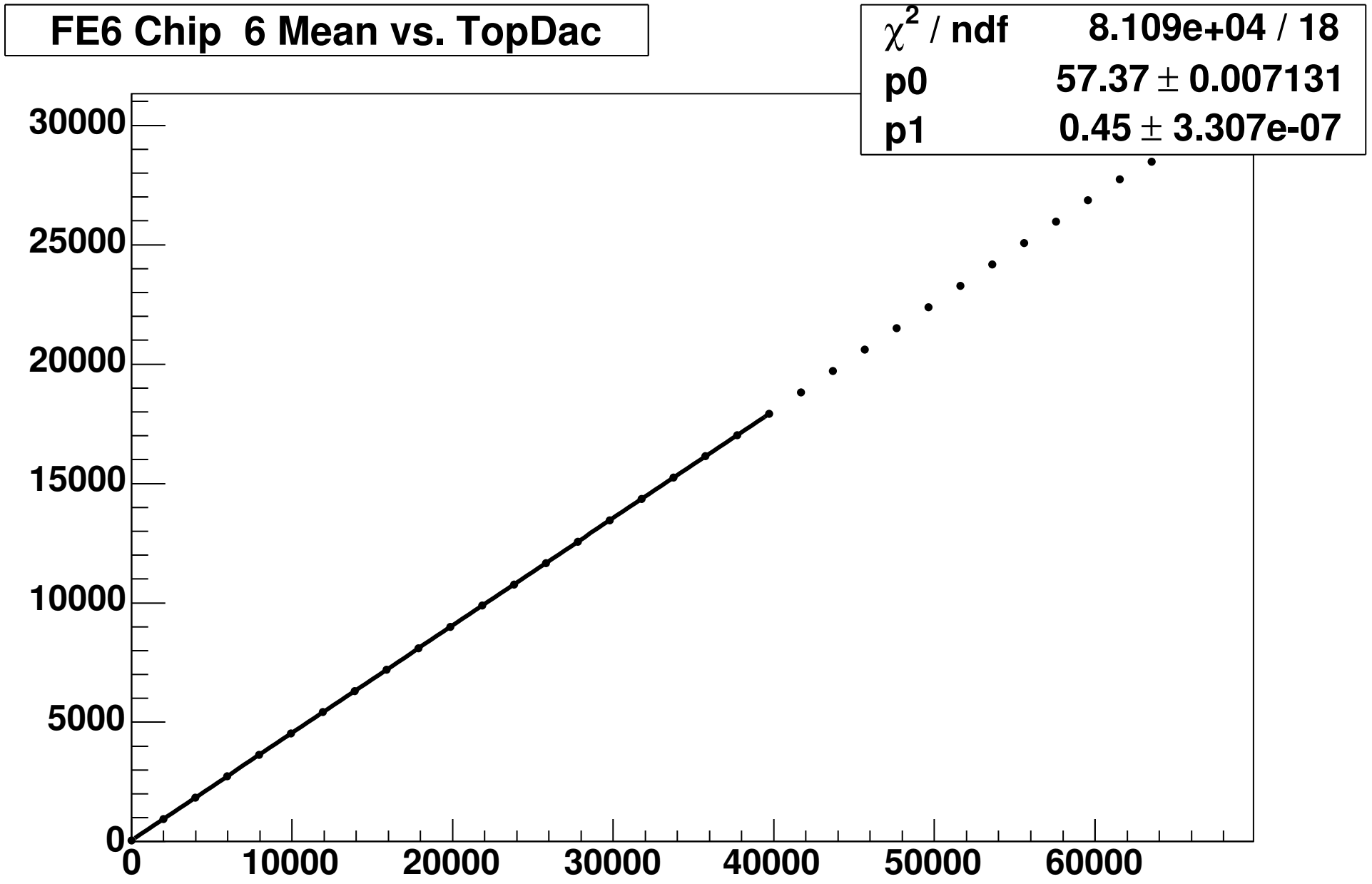
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 8.109e+04 / 18
p0 57.37 ± 0.007131
p1 0.45 ± 3.307e-07
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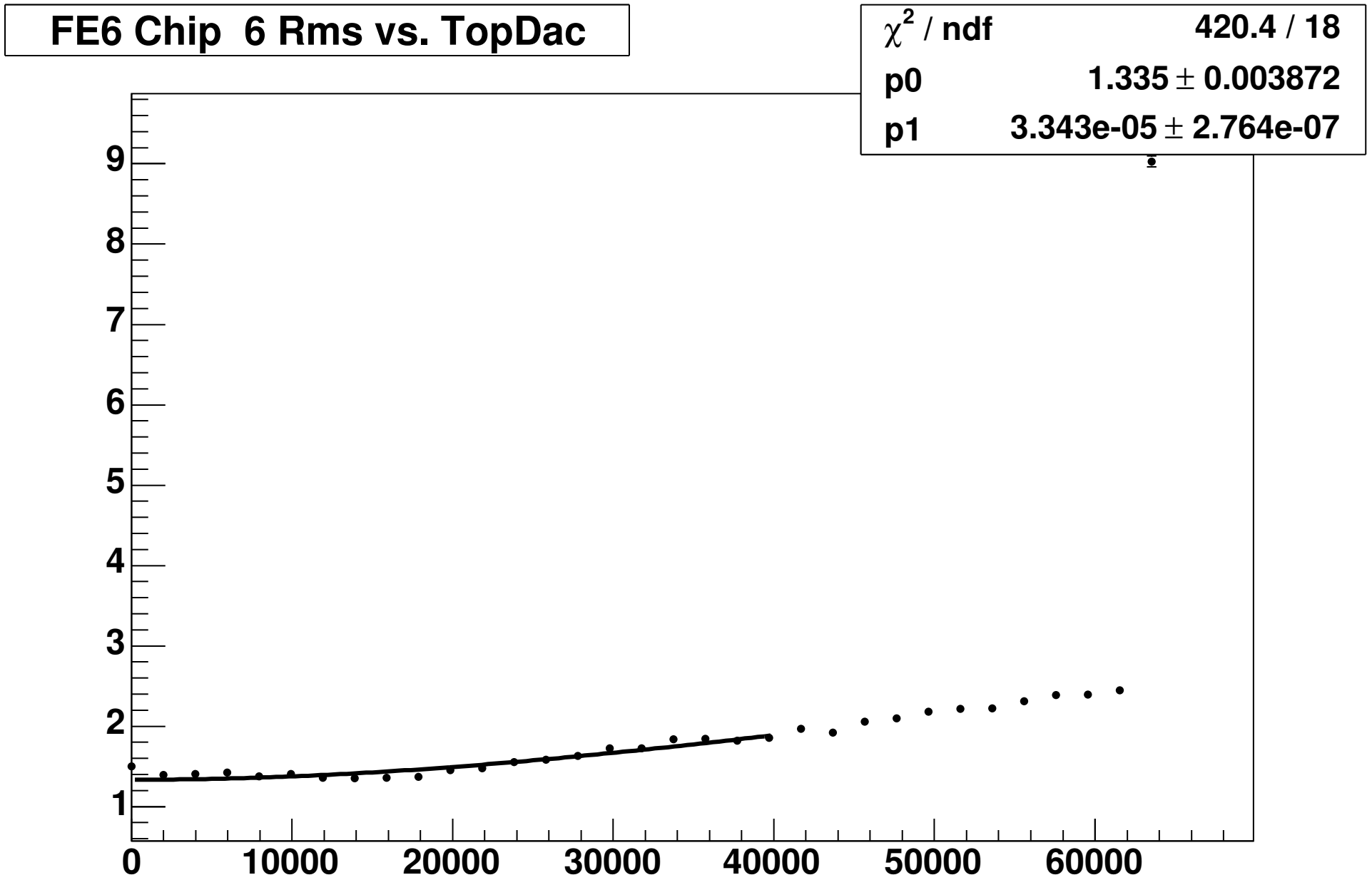
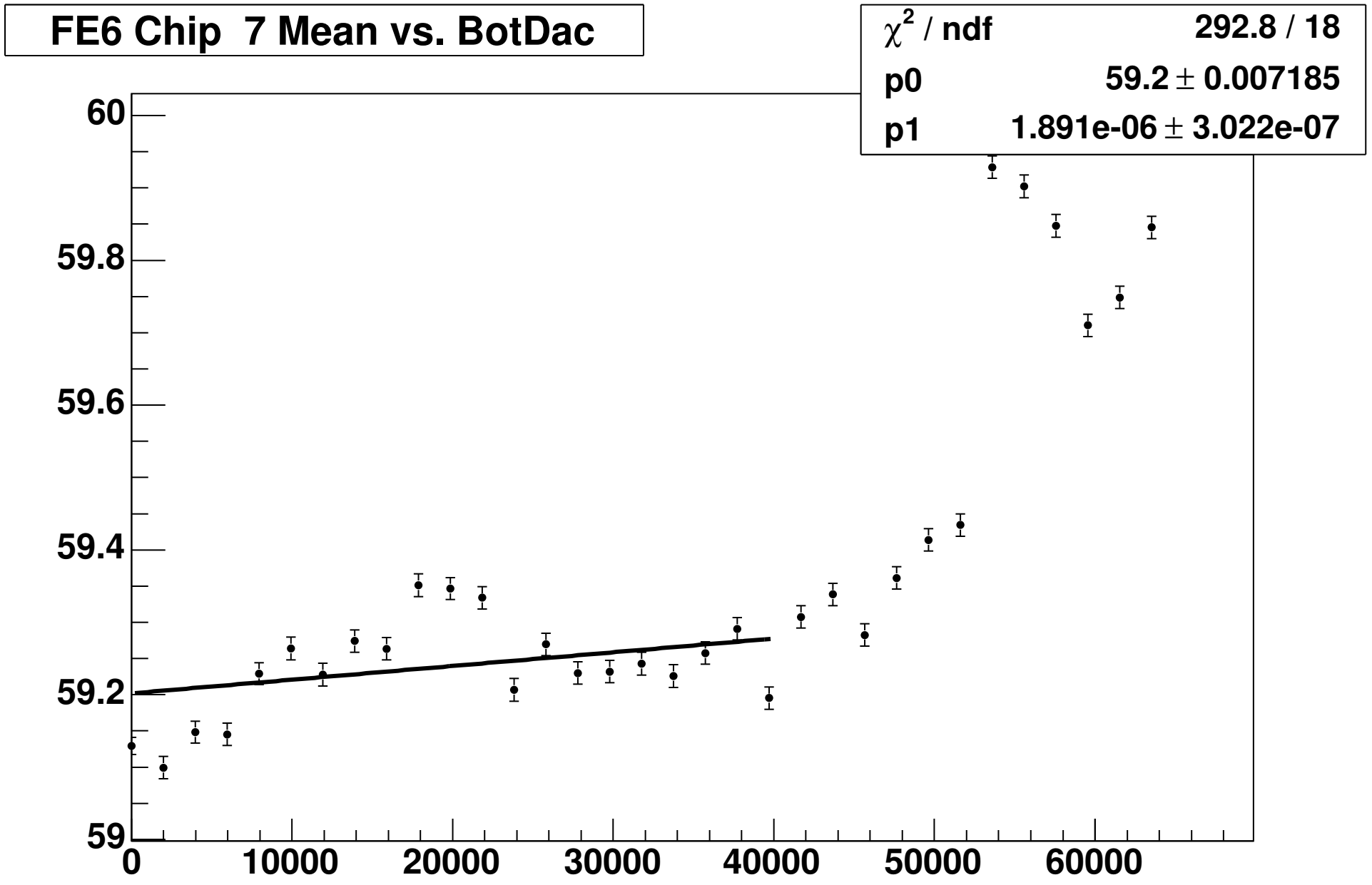
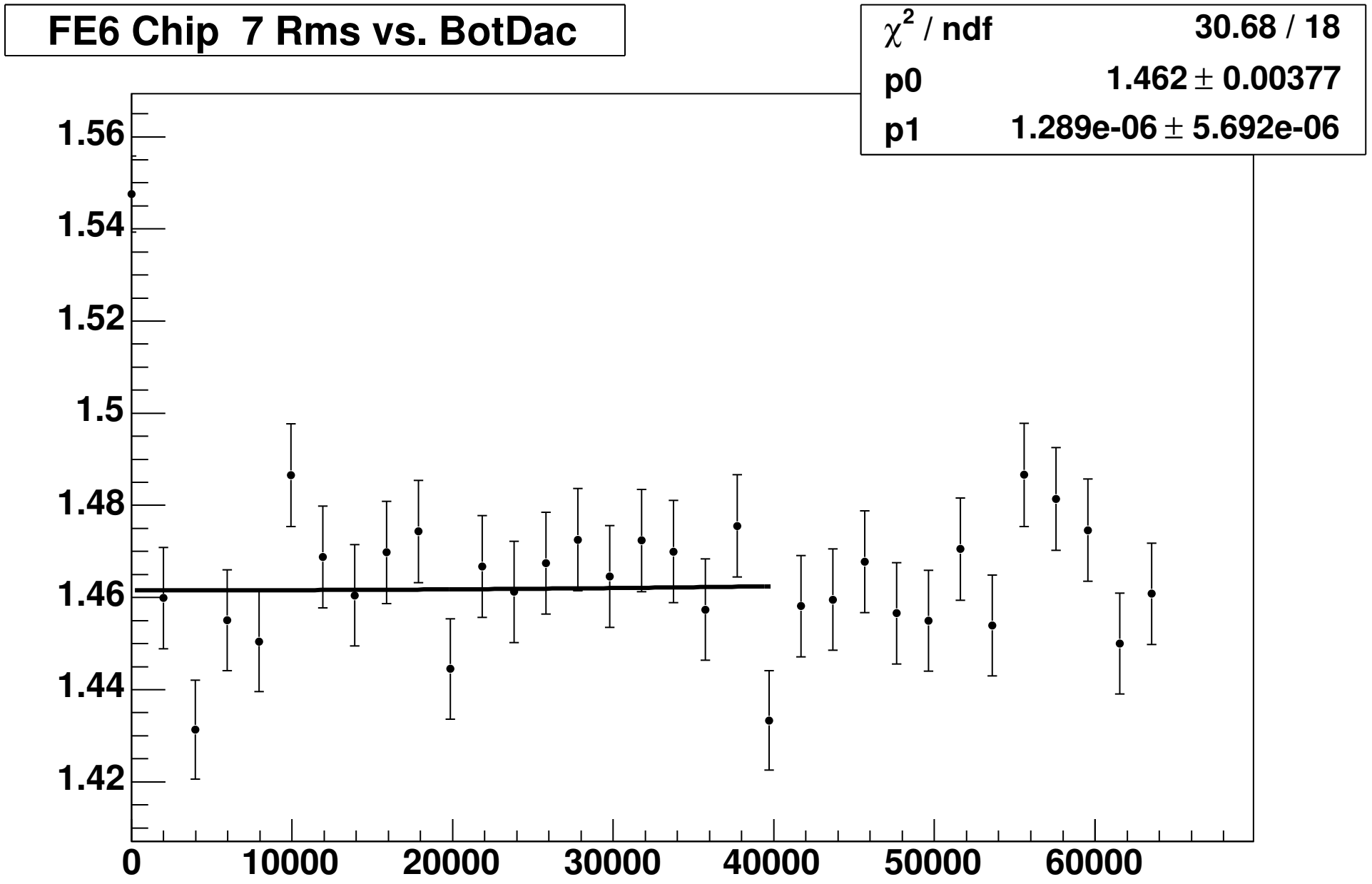
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 420.4 / 18
p0 1.335 ± 0.003872
p1 3.343e-05 ± 2.764e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 292.8 / 18
p0 59.2 ± 0.007185
p1 1.891e-06 ± 3.022e-07
60
59.8
59.6
59.4
59.2
59
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 30.68 / 18
p0 1.462 ± 0.00377
p1 1.289e-06 ± 5.692e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
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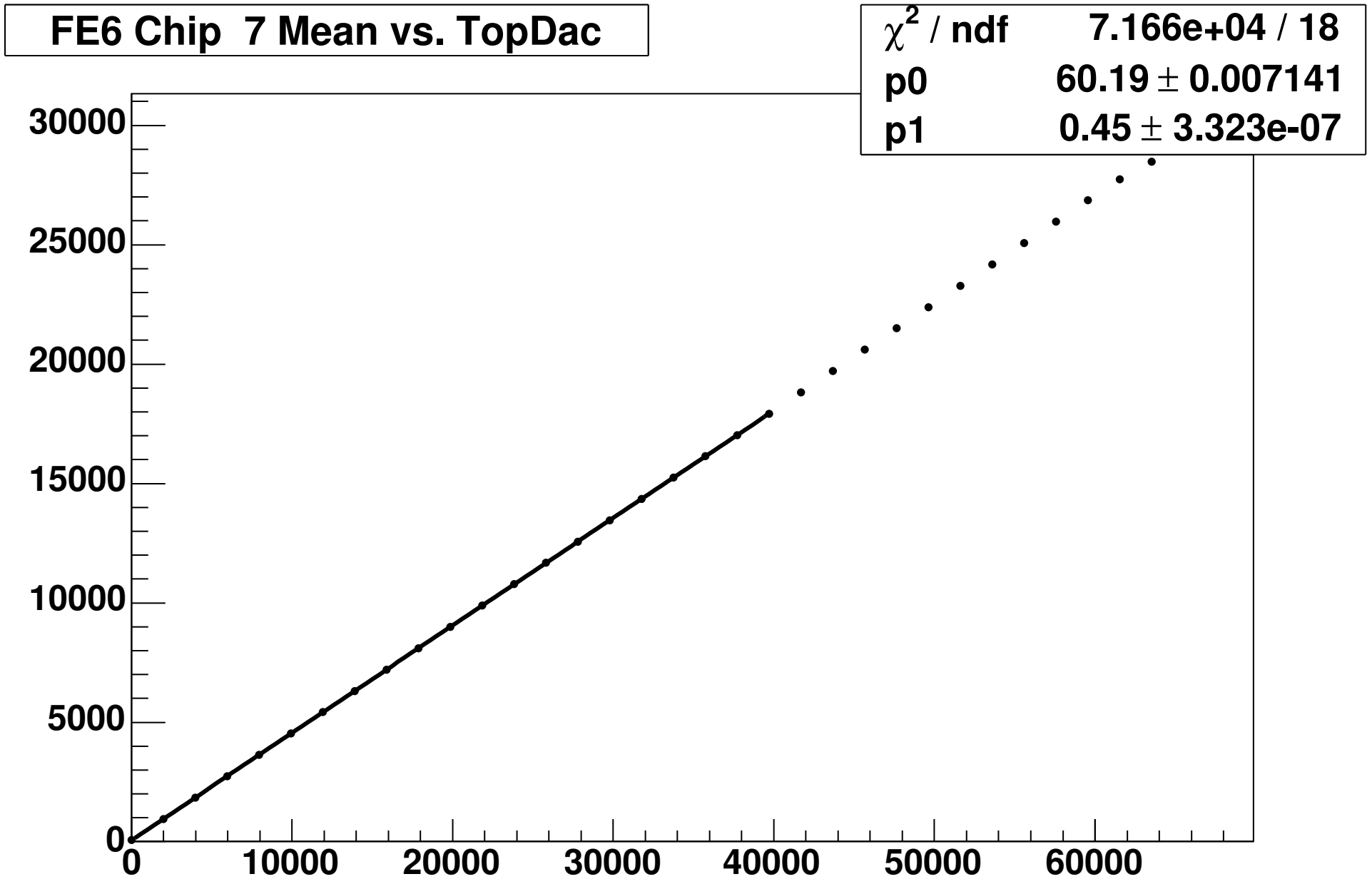
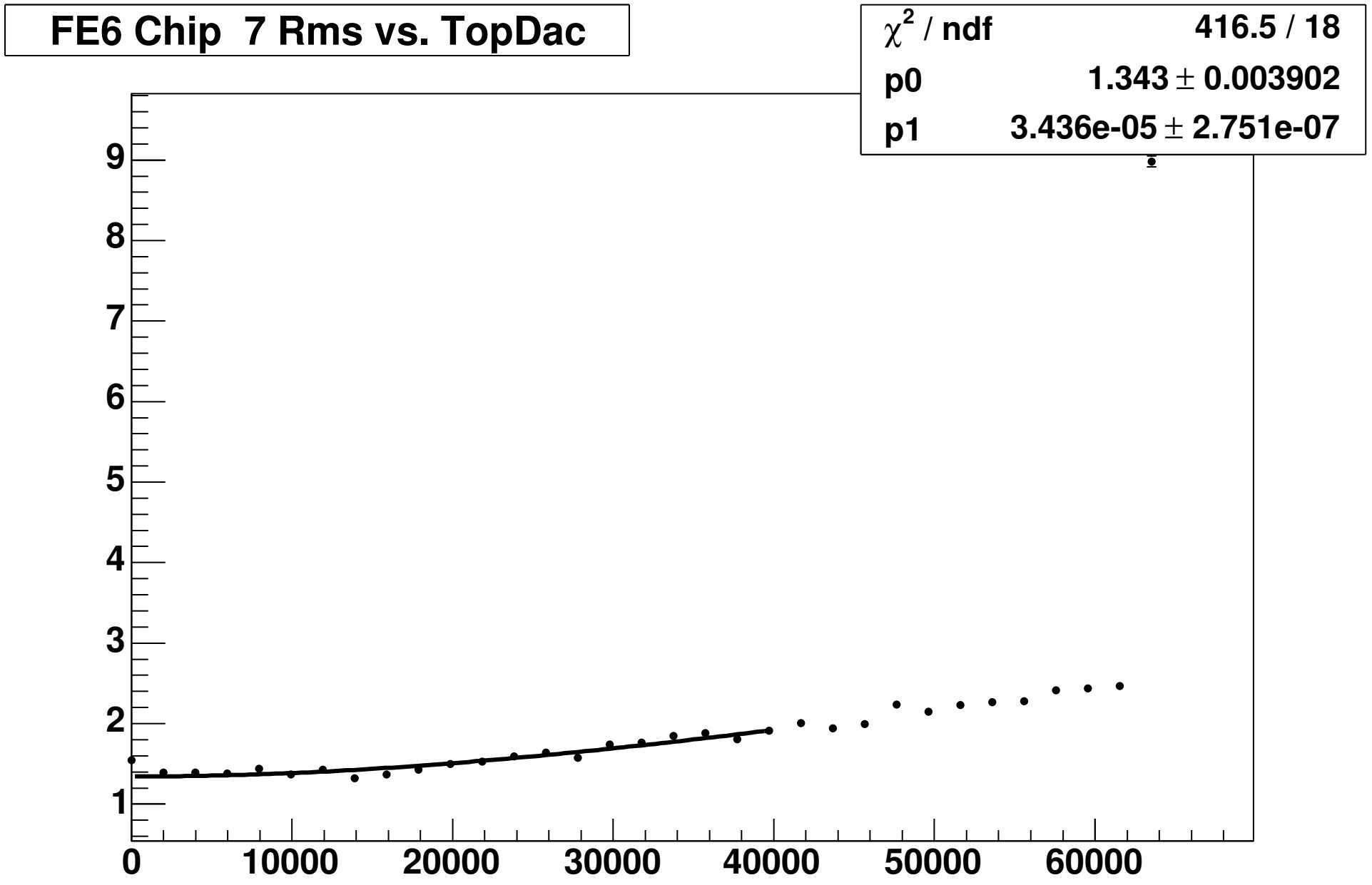
60000


FE6 Chip 7 Mean vs. TopDac
χ^2 / ndf 7.166e+04 / 18
p0 60.19 ± 0.007141
p1 0.45 ± 3.323e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 416.5 / 18
p0 1.343 ± 0.003902
p1 3.436e-05 ± 2.751e-07
9
8
7
6
5
4
3
2
1
0
10000
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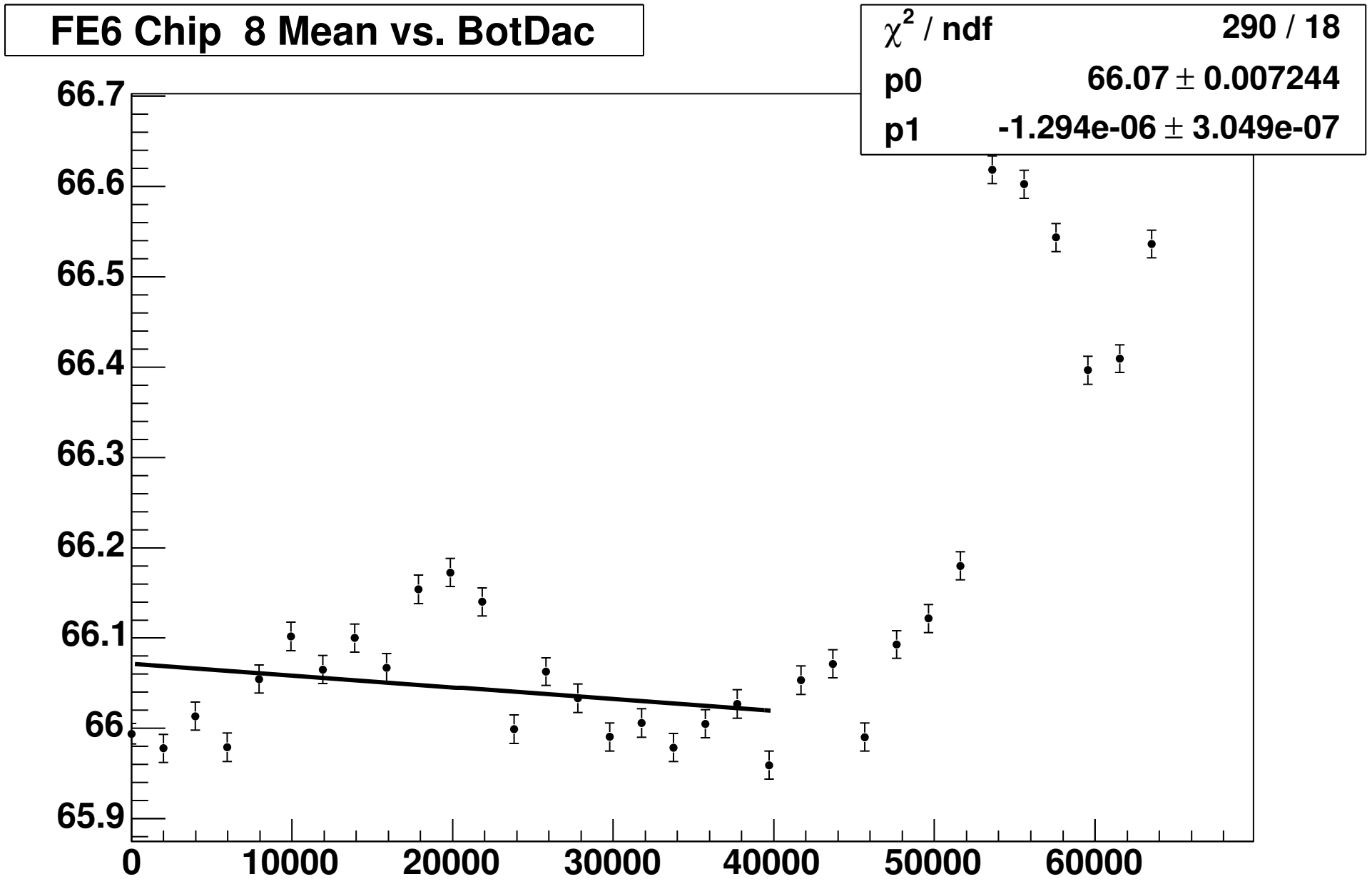
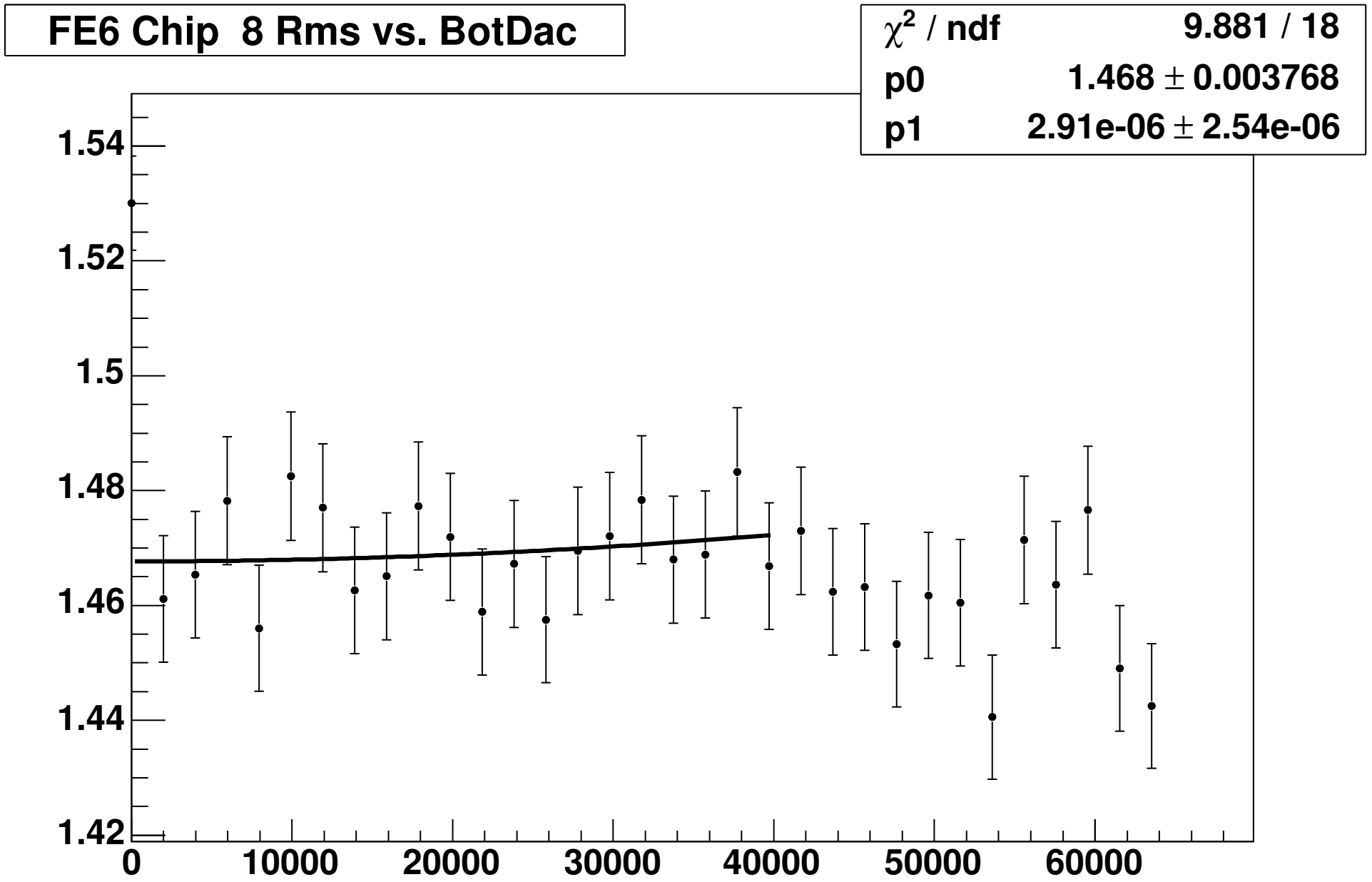
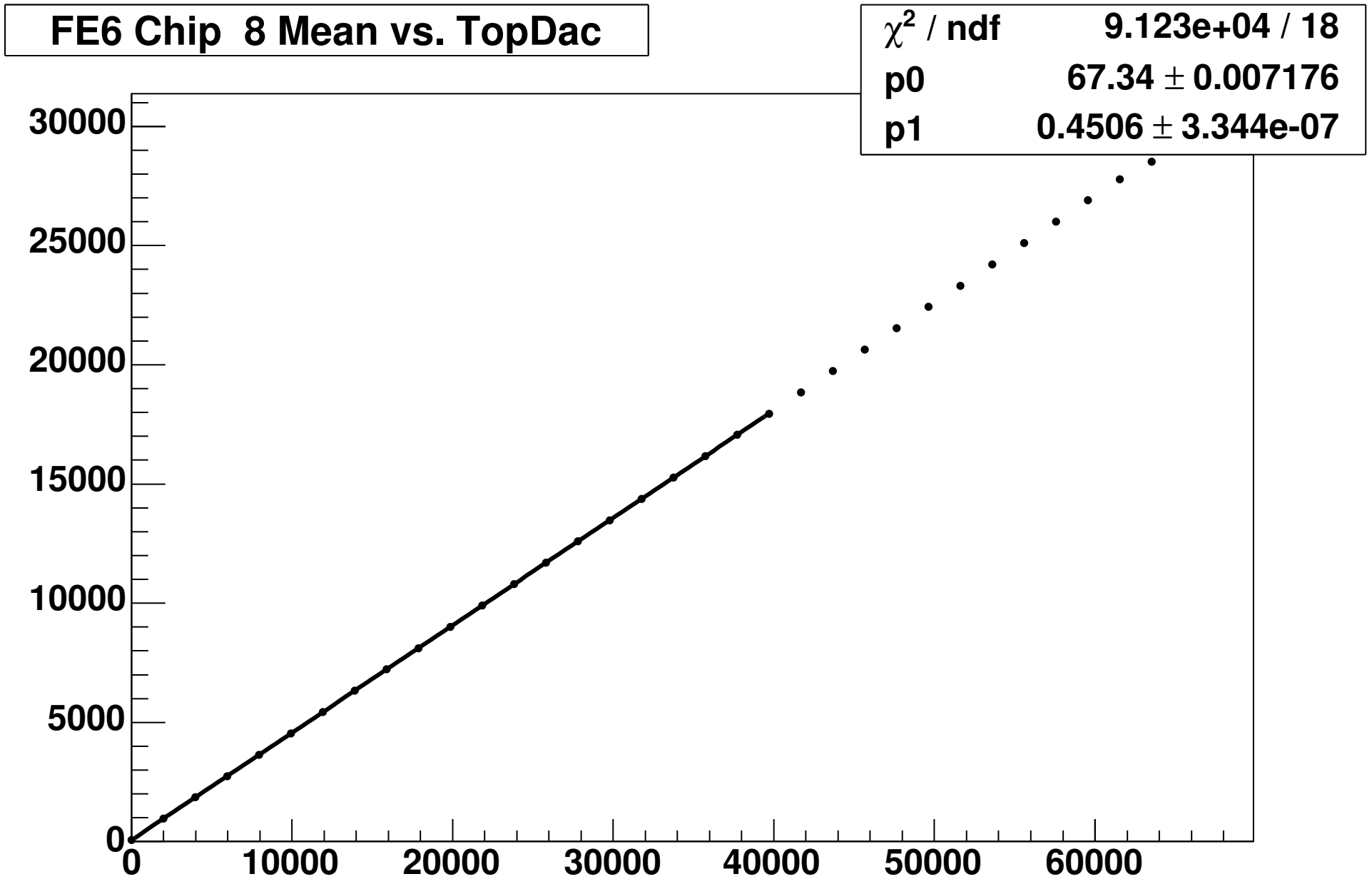
60000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 290 / 18
p0 66.07 ± 0.007244
p1 -1.294e-06 ± 3.049e-07
66.7
66.6
66.5
66.4
66.3
66.2
66.1
66
65.9
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. BotDac
χ^2 / ndf 9.881 / 18
p0 1.468 ± 0.003768
p1 2.91e-06 ± 2.54e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 9.123e+04 / 18
p0 67.34 ± 0.007176
p1 0.4506 ± 3.344e-07
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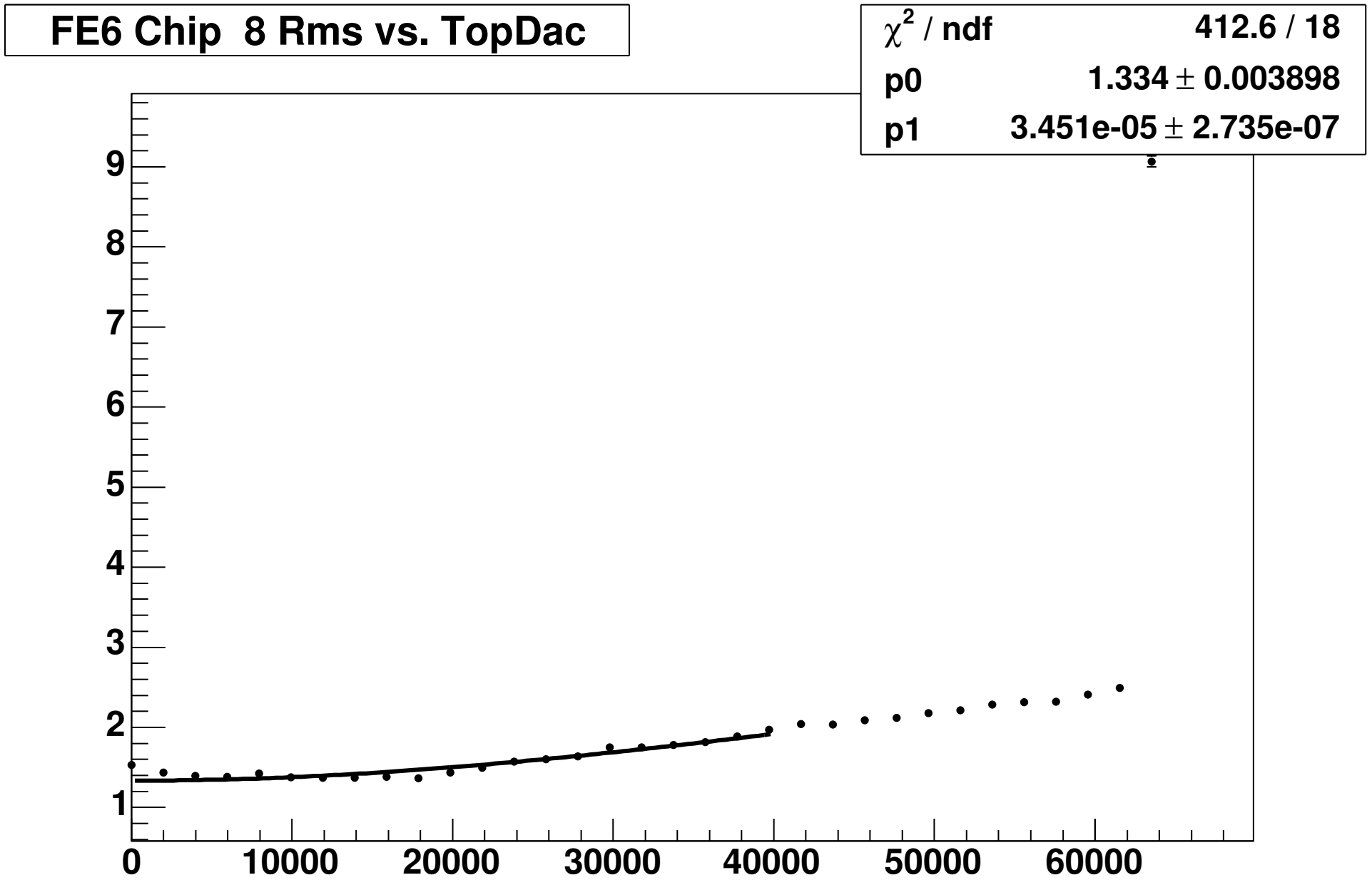
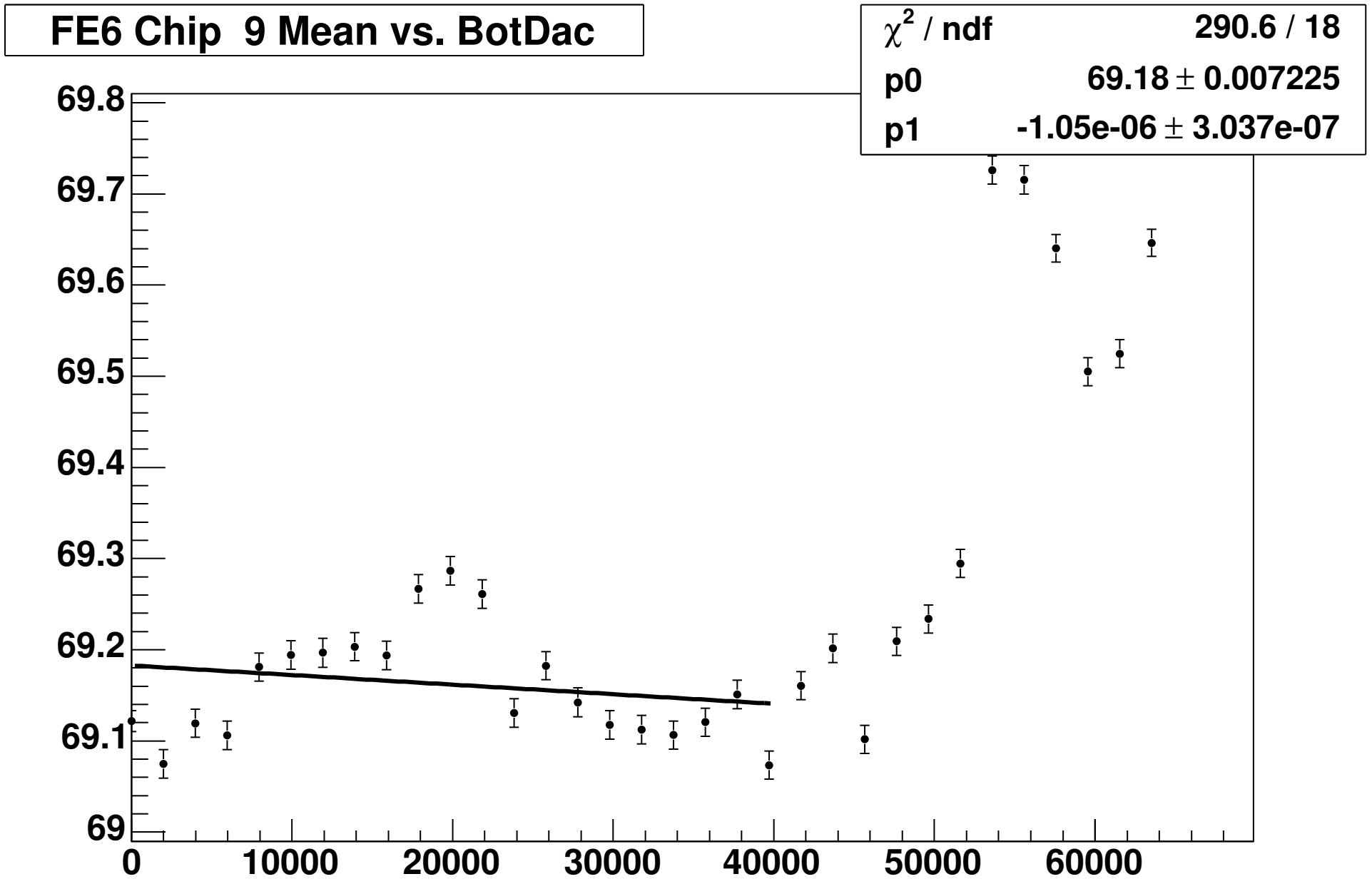
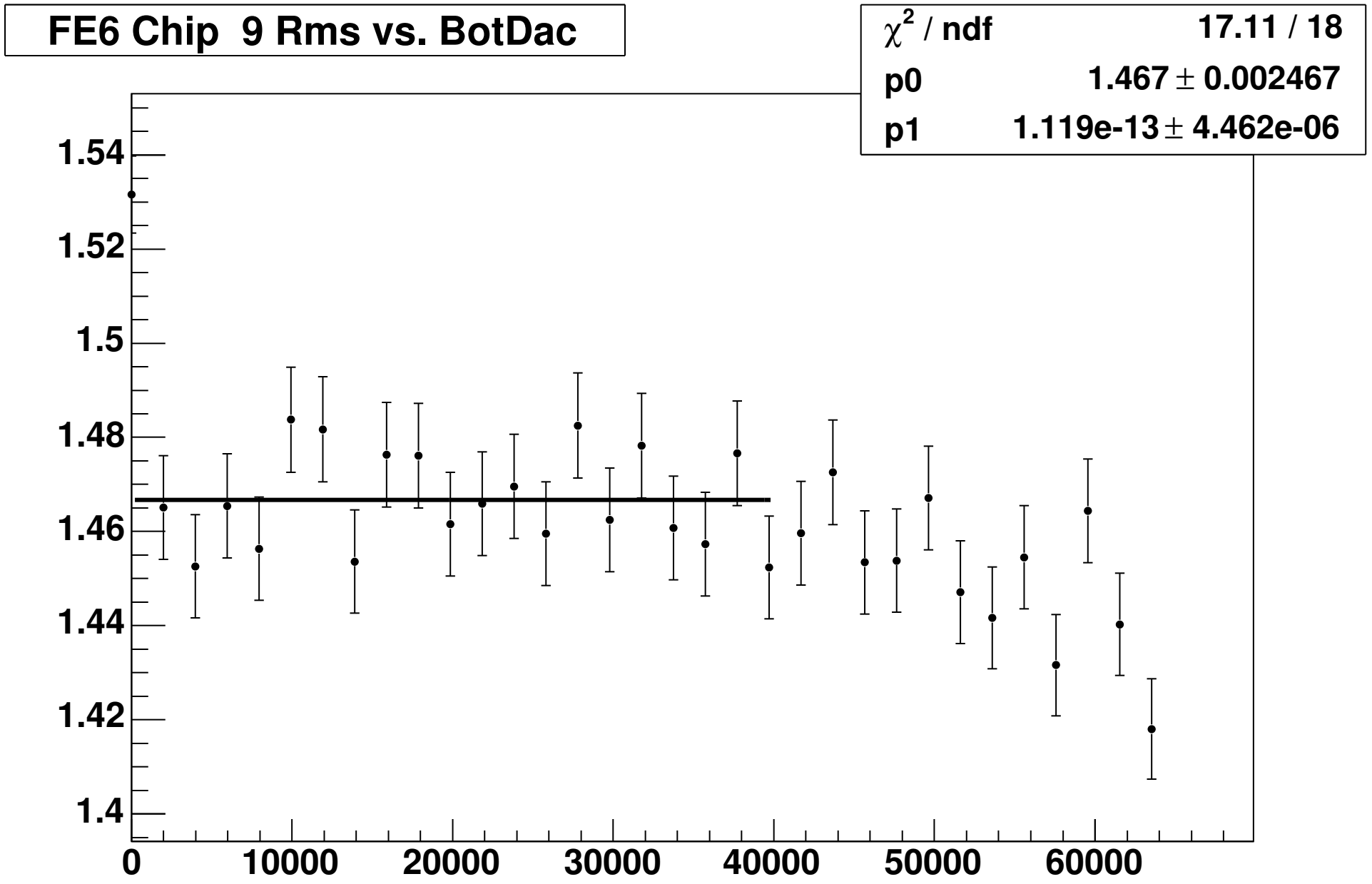
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 412.6 / 18
p0 1.334 ± 0.003898
p1 3.451e-05 ± 2.735e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 290.6 / 18
p0 69.18 ± 0.007225
p1 -1.05e-06 ± 3.037e-07
69.8
69.7
69.6
69.5
69.4
69.3
69.2
69.1
69
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 17.11 / 18
p0 1.467 ± 0.002467
p1 1.119e-13 ± 4.462e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
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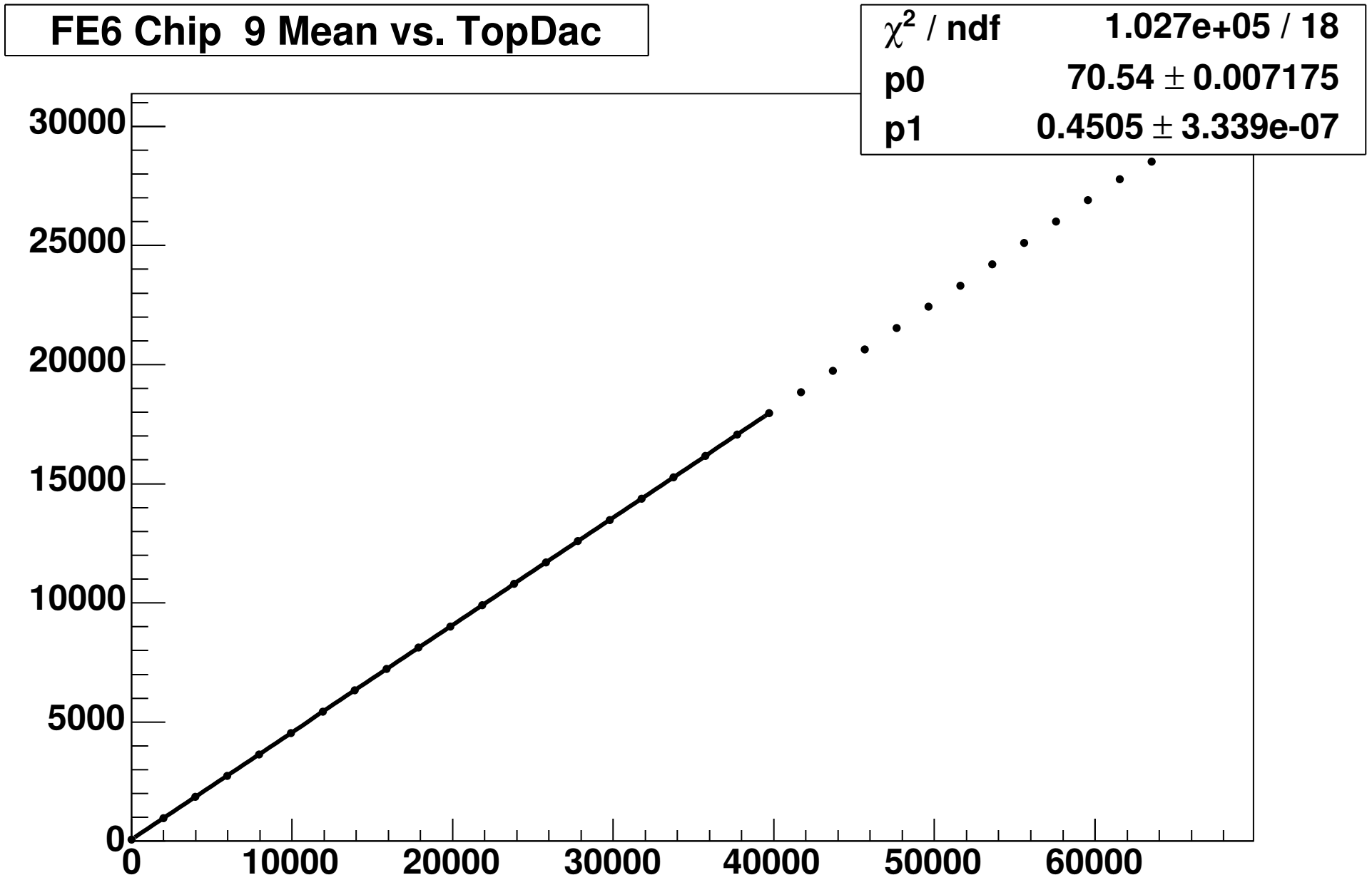
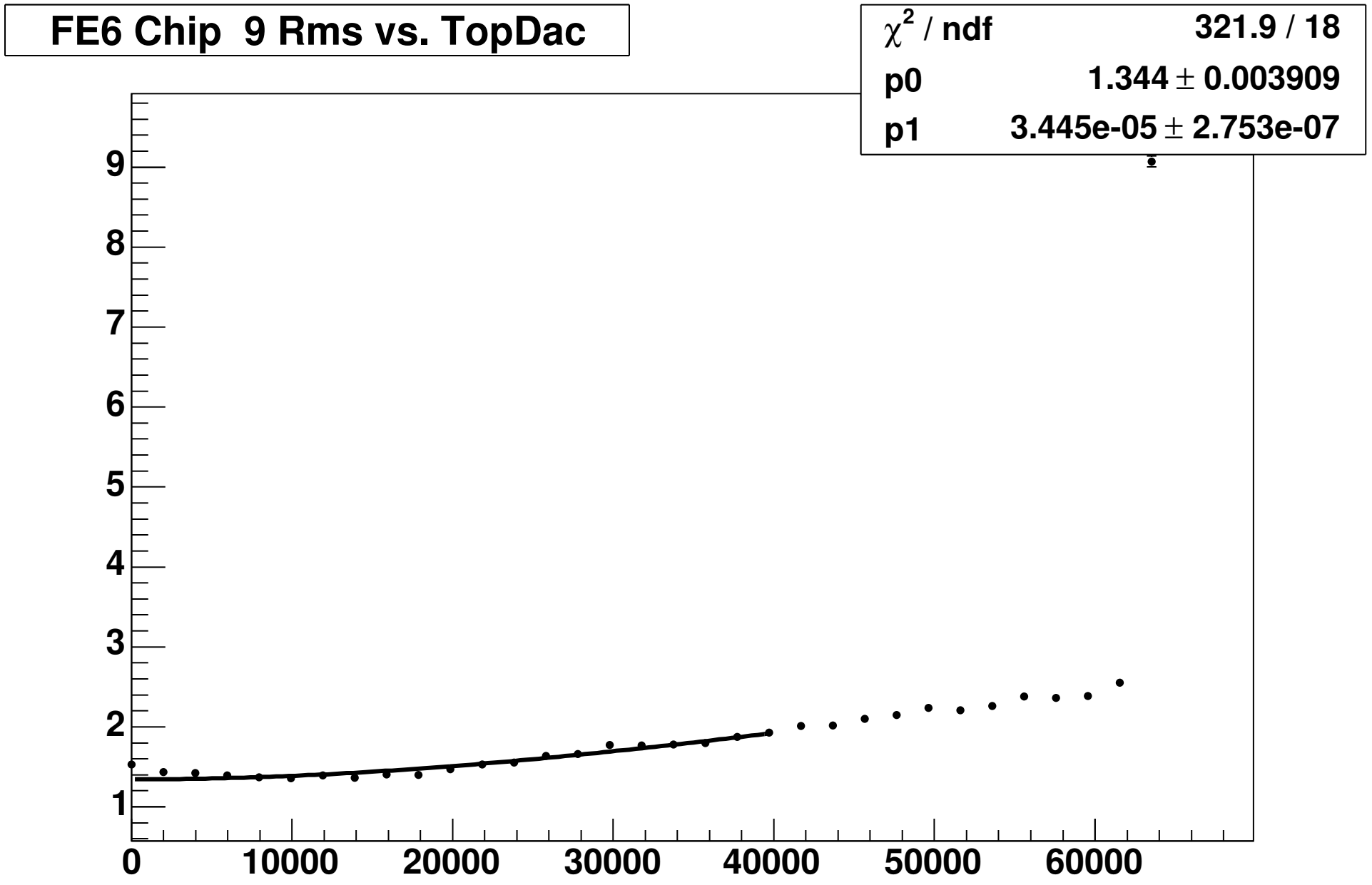
60000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.027e+05 / 18
p0 70.54 ± 0.007175
p1 0.4505 ± 3.339e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 321.9 / 18
p0 1.344 ± 0.003909
p1 3.445e-05 ± 2.753e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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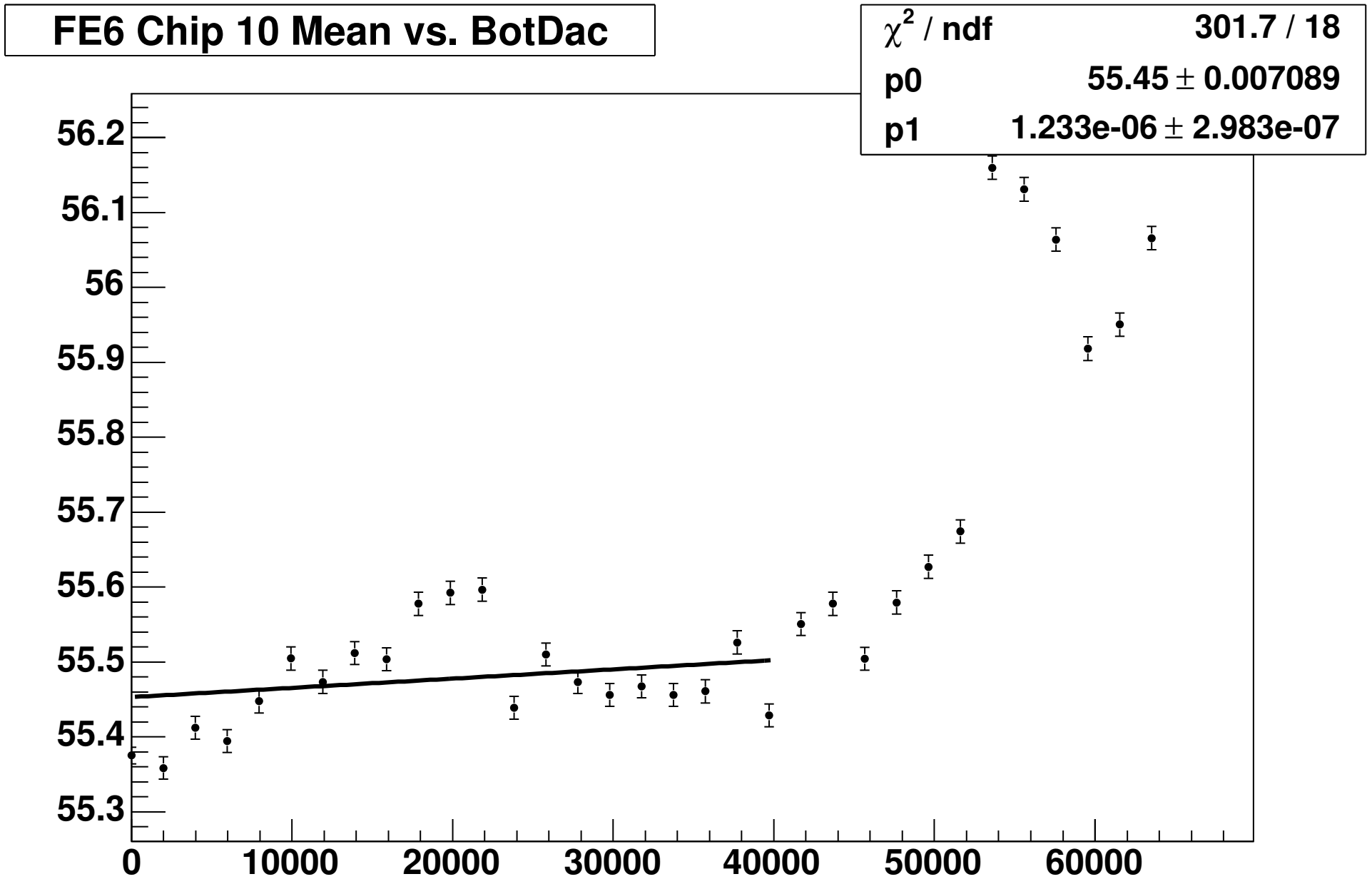
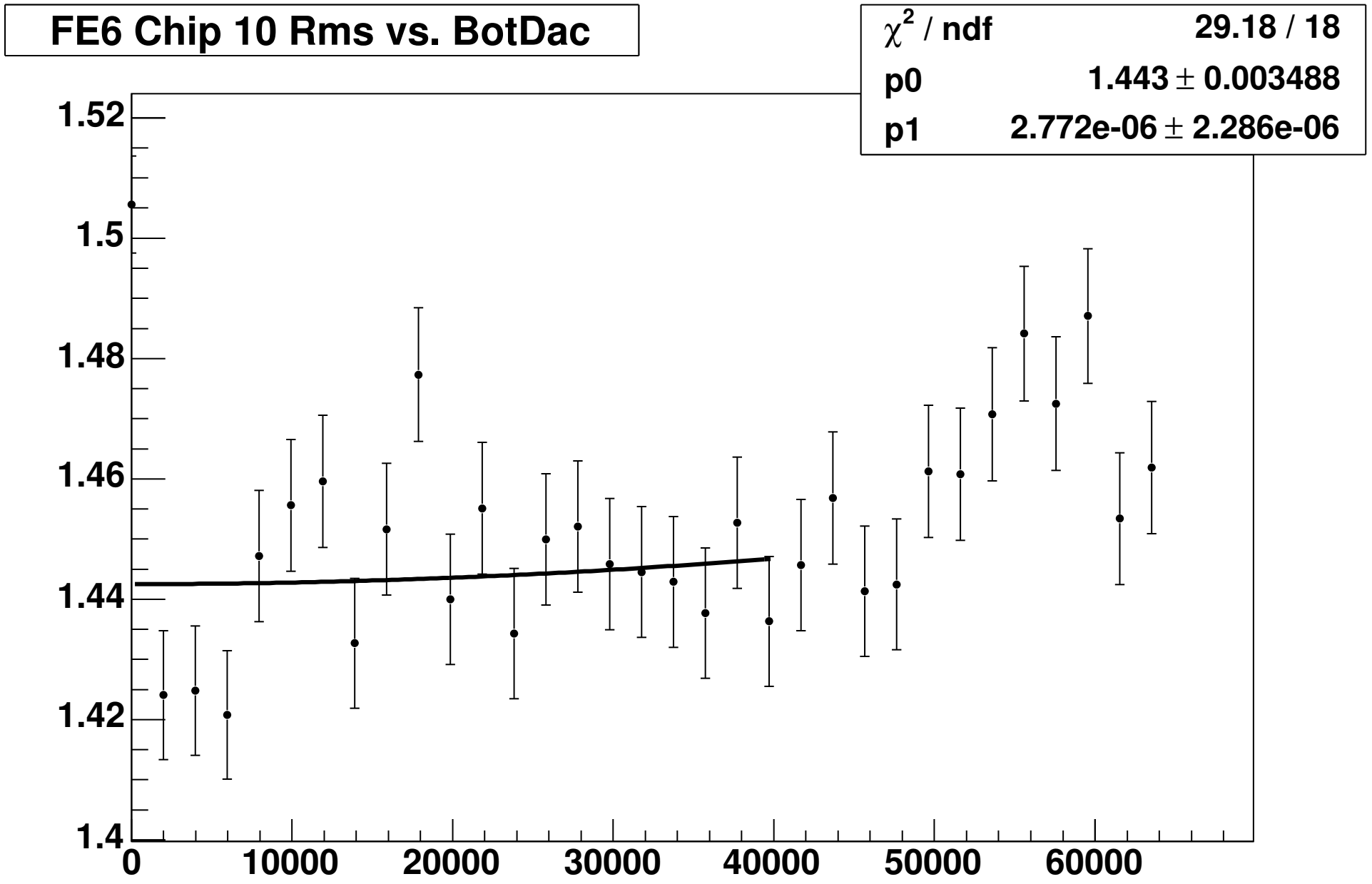
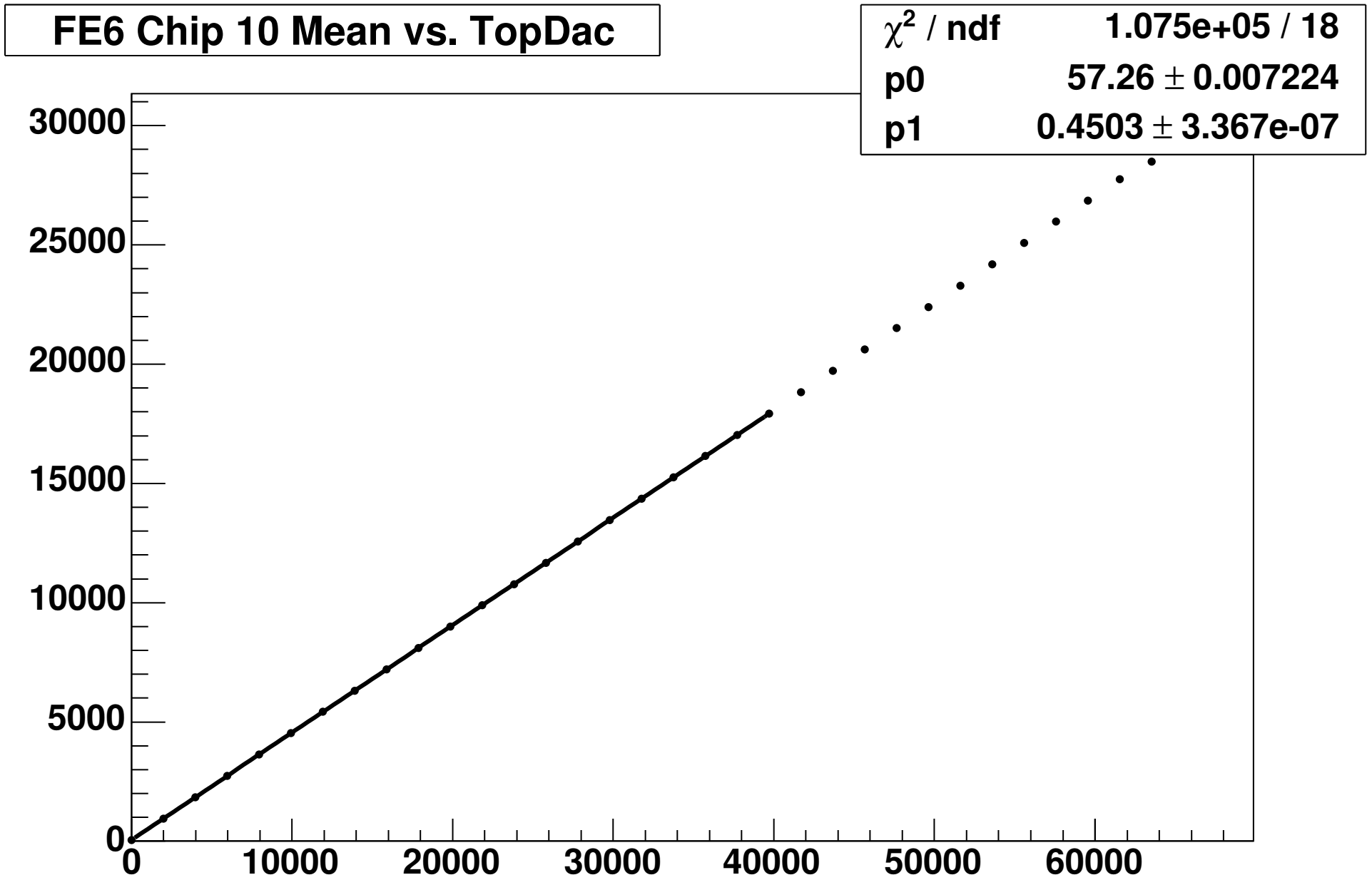
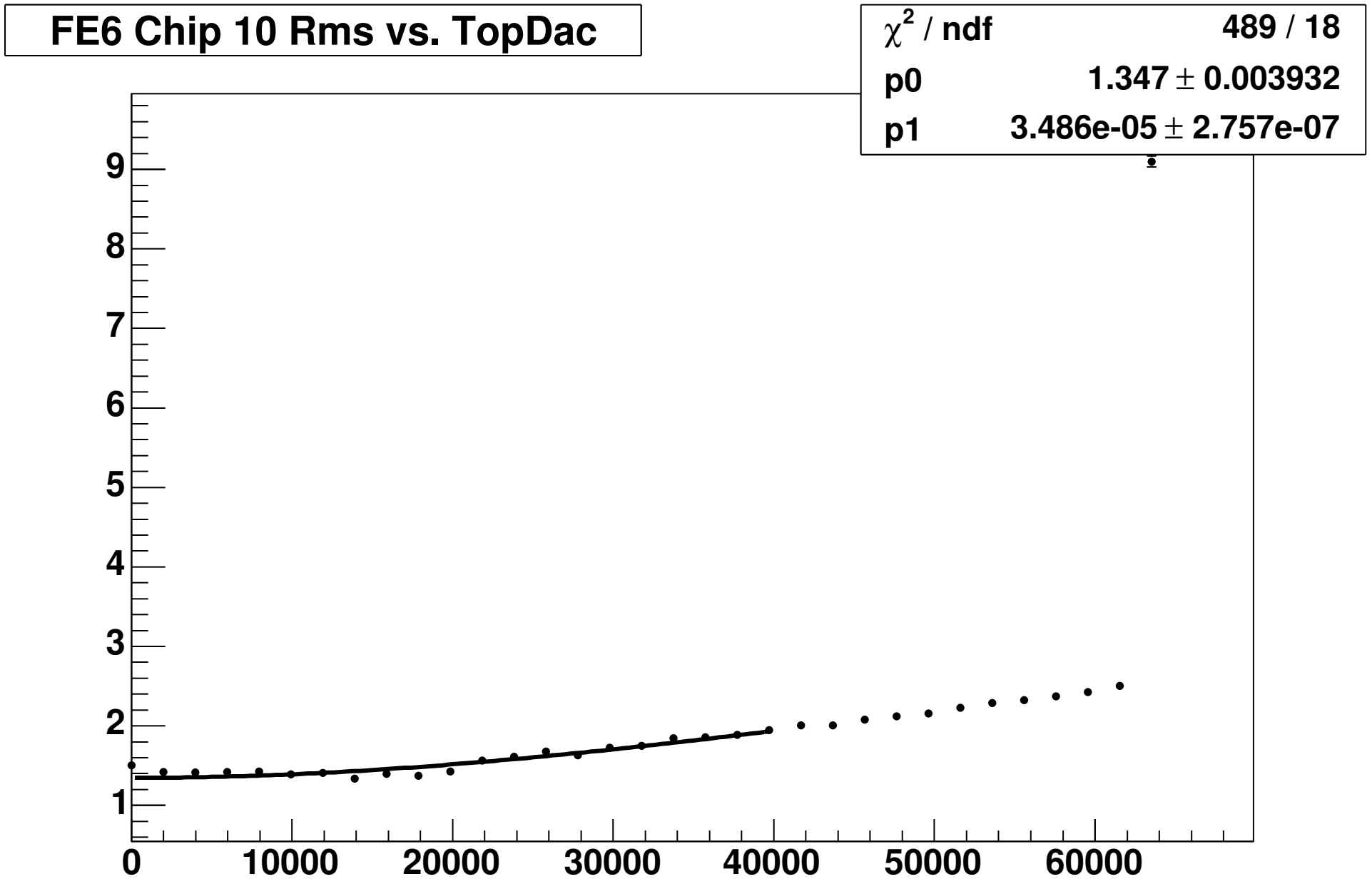
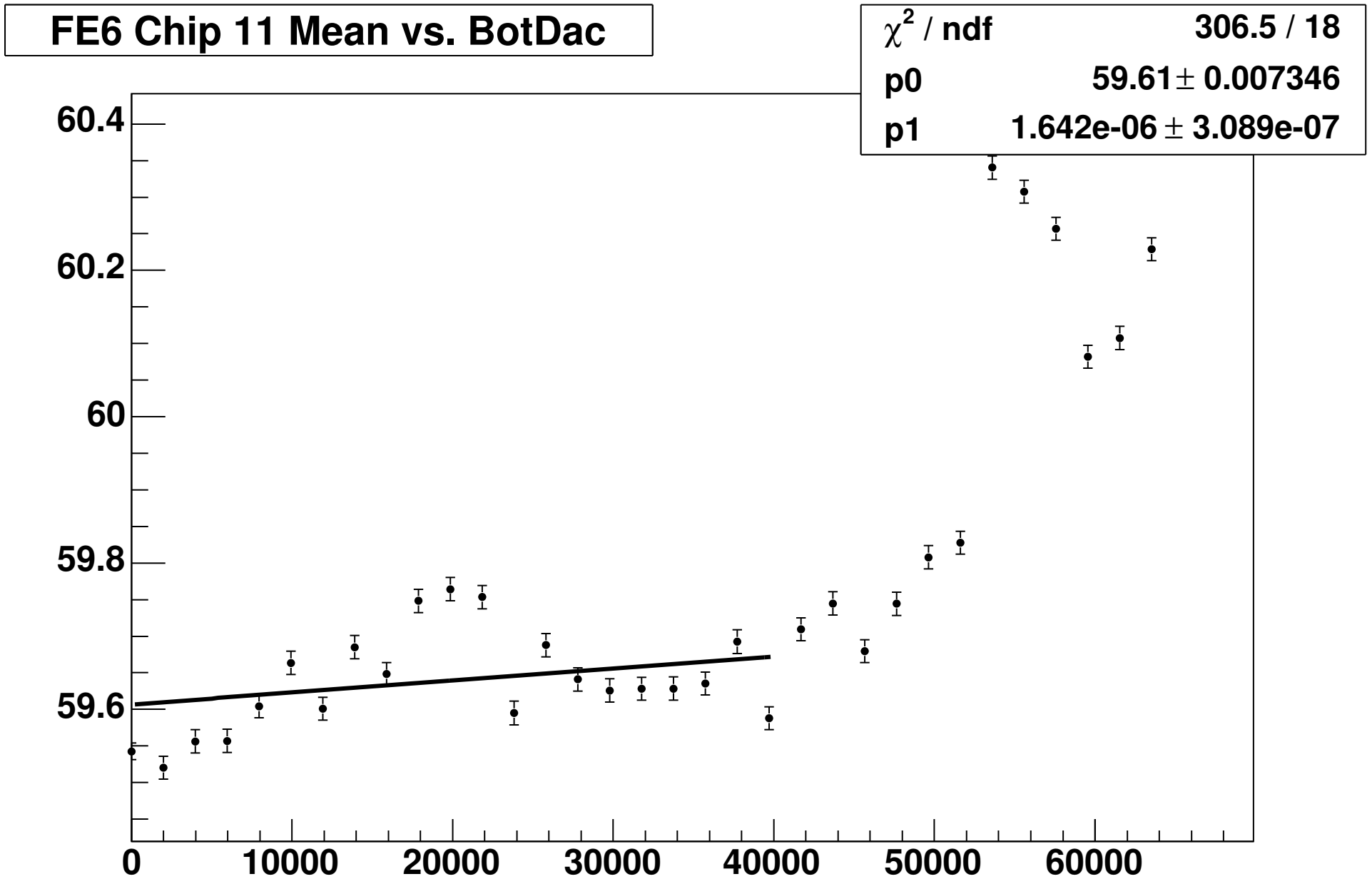
60000

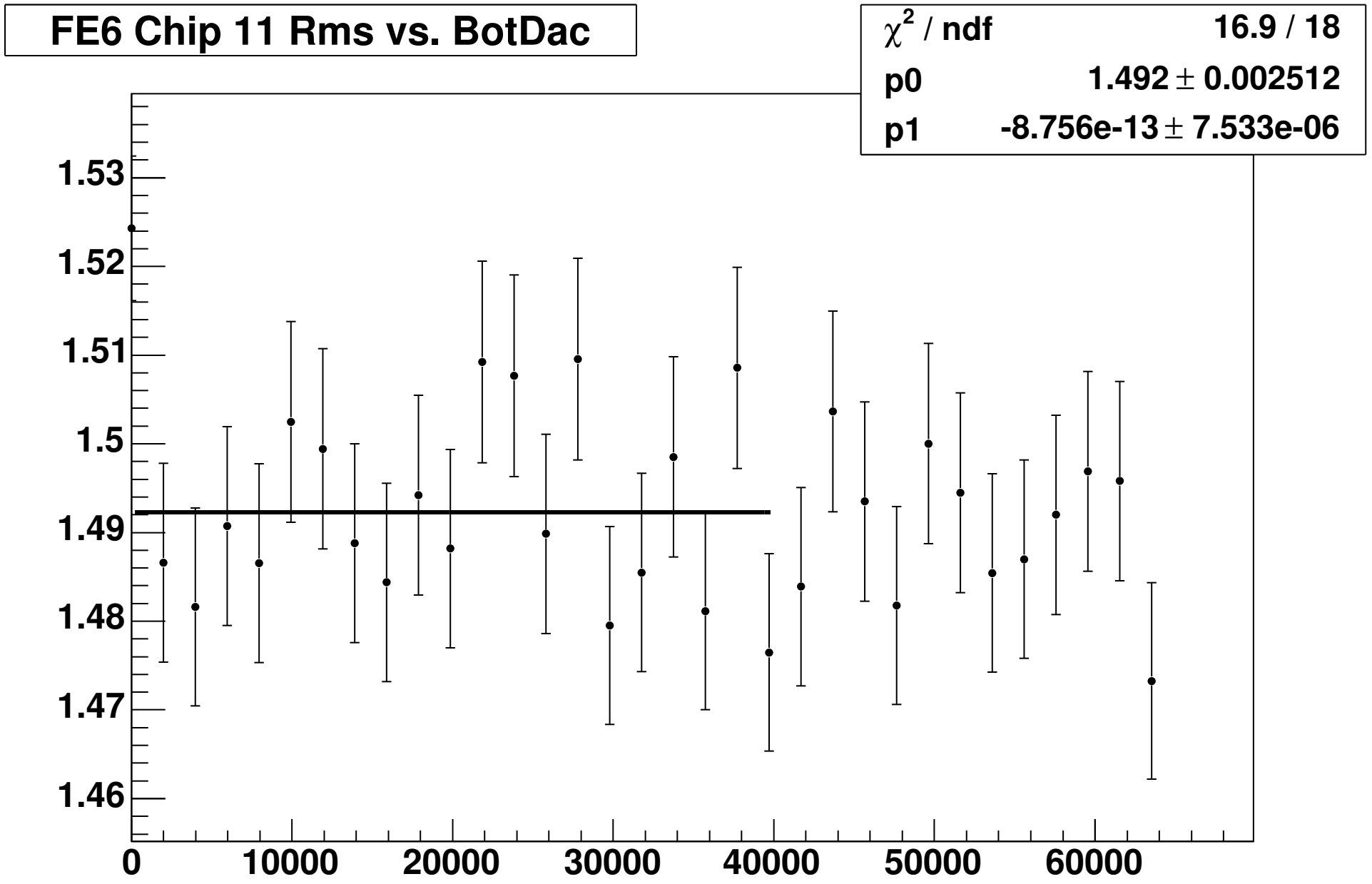

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 301.7 / 18
p0 55.45 ± 0.007089
p1 1.233e-06 ± 2.983e-07
56.2
56.1
56
55.9
55.8
55.7
55.6
55.5
55.4
55.3
0
10000
20000
30000
40000
50000
60000

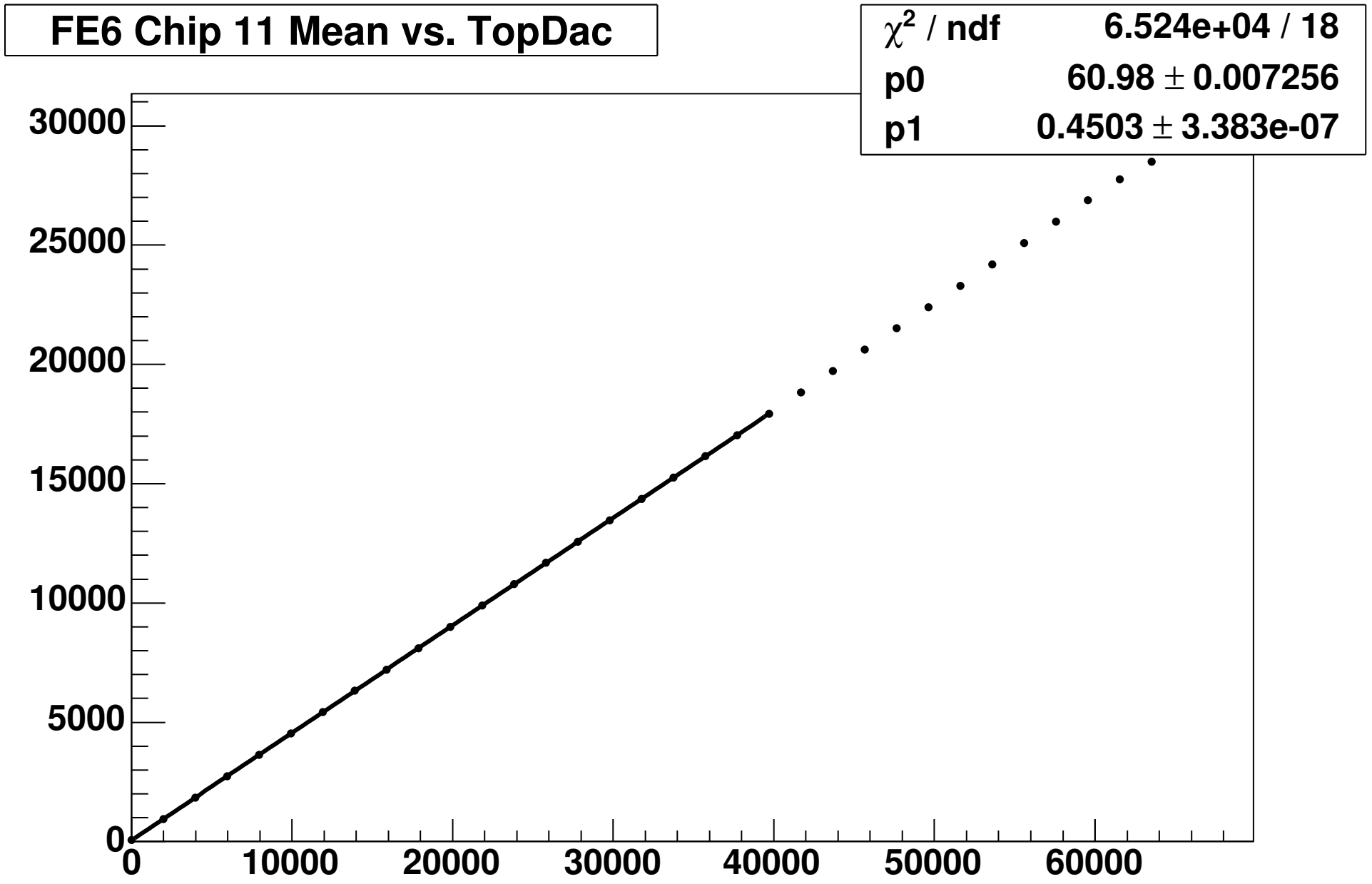

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 29.18 / 18
p0 1.443 ± 0.003488
p1 2.772e-06 ± 2.286e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

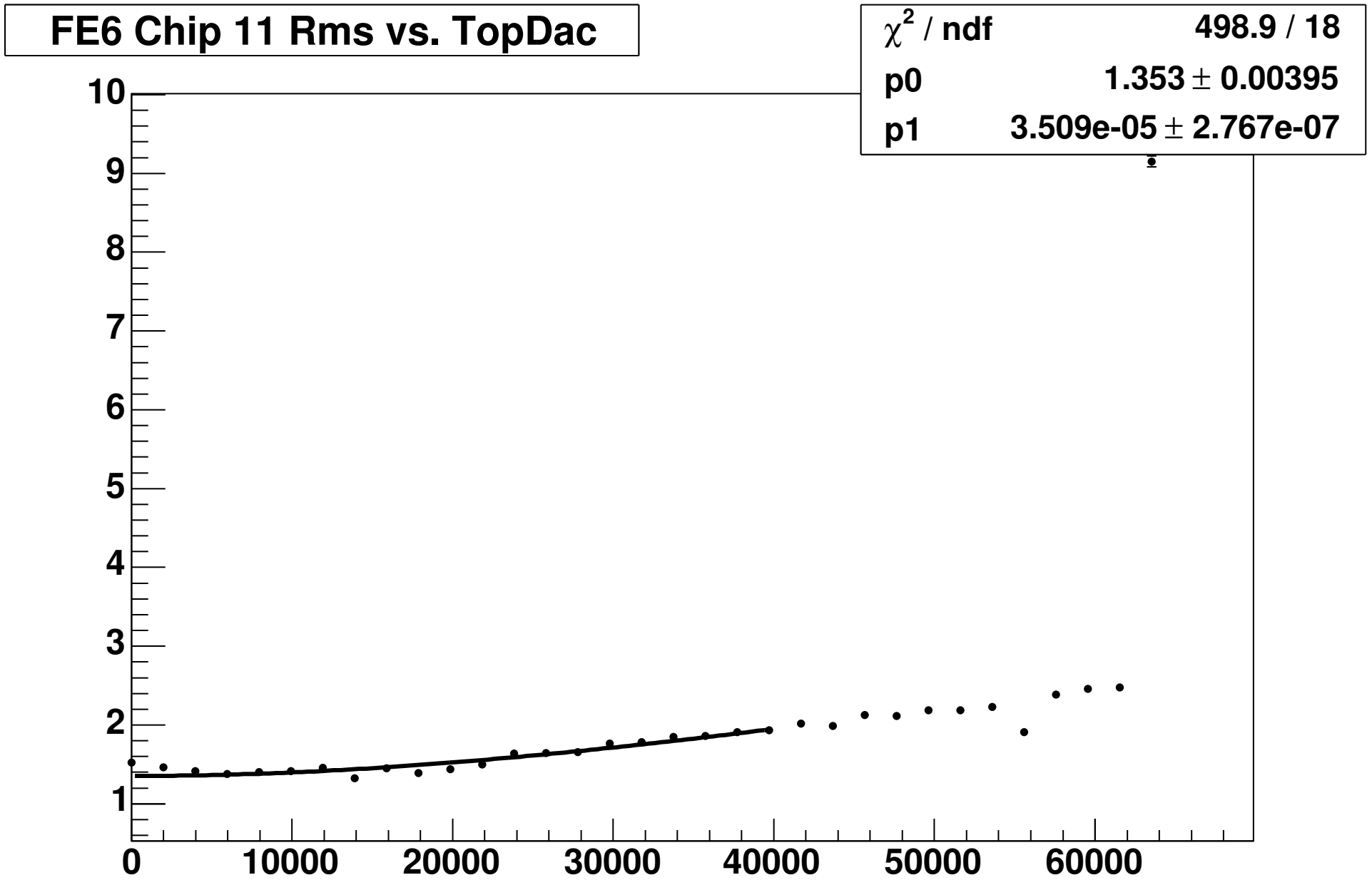

FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.075e+05 / 18
p0 57.26 ± 0.007224
p1 0.4503 ± 3.367e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

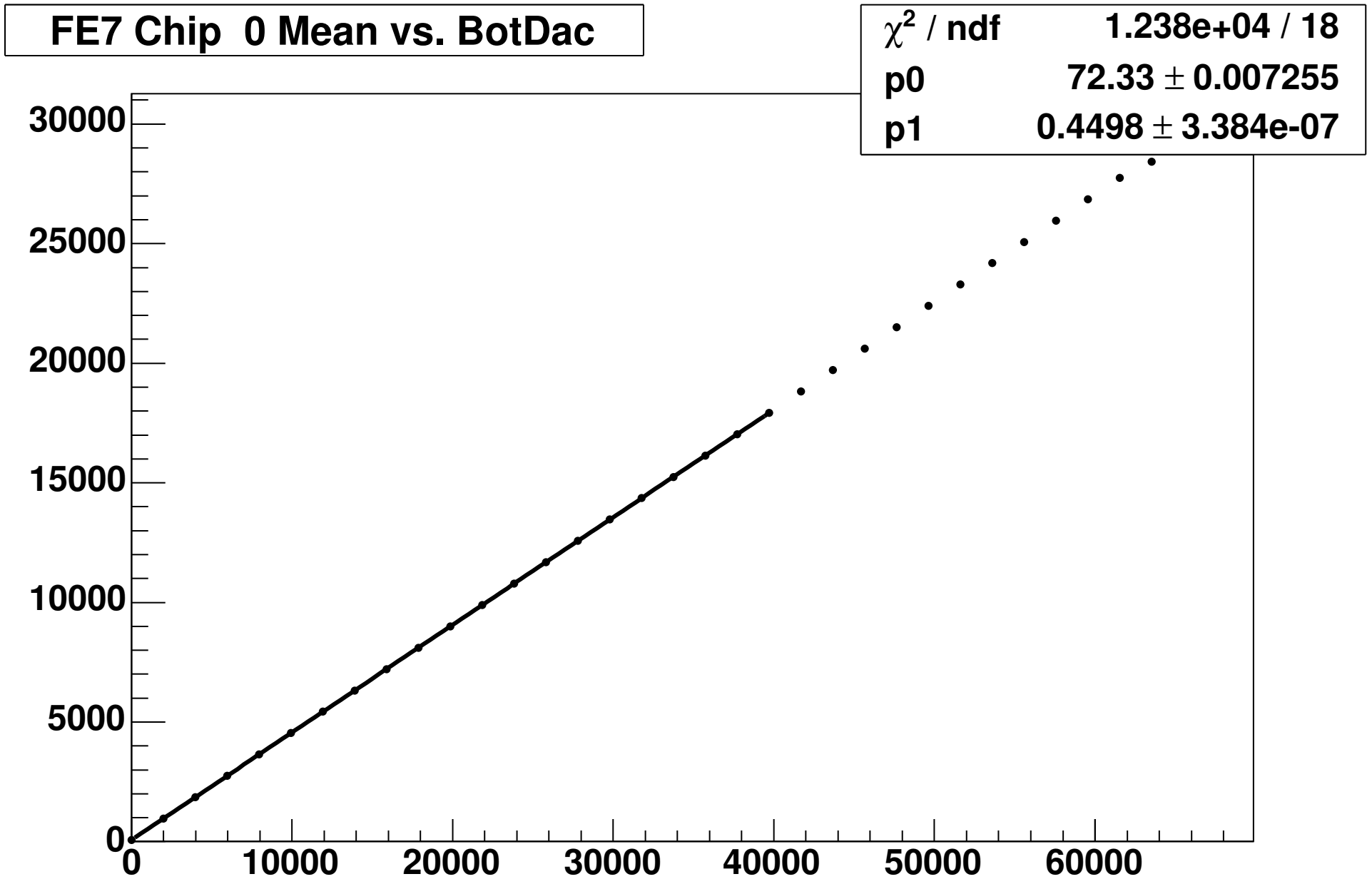

FE6 Chip 10 Rms vs. TopDac
χ² / ndf 489 / 18
p0 1.347 ± 0.003932
p1 3.486e-05 ± 2.757e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

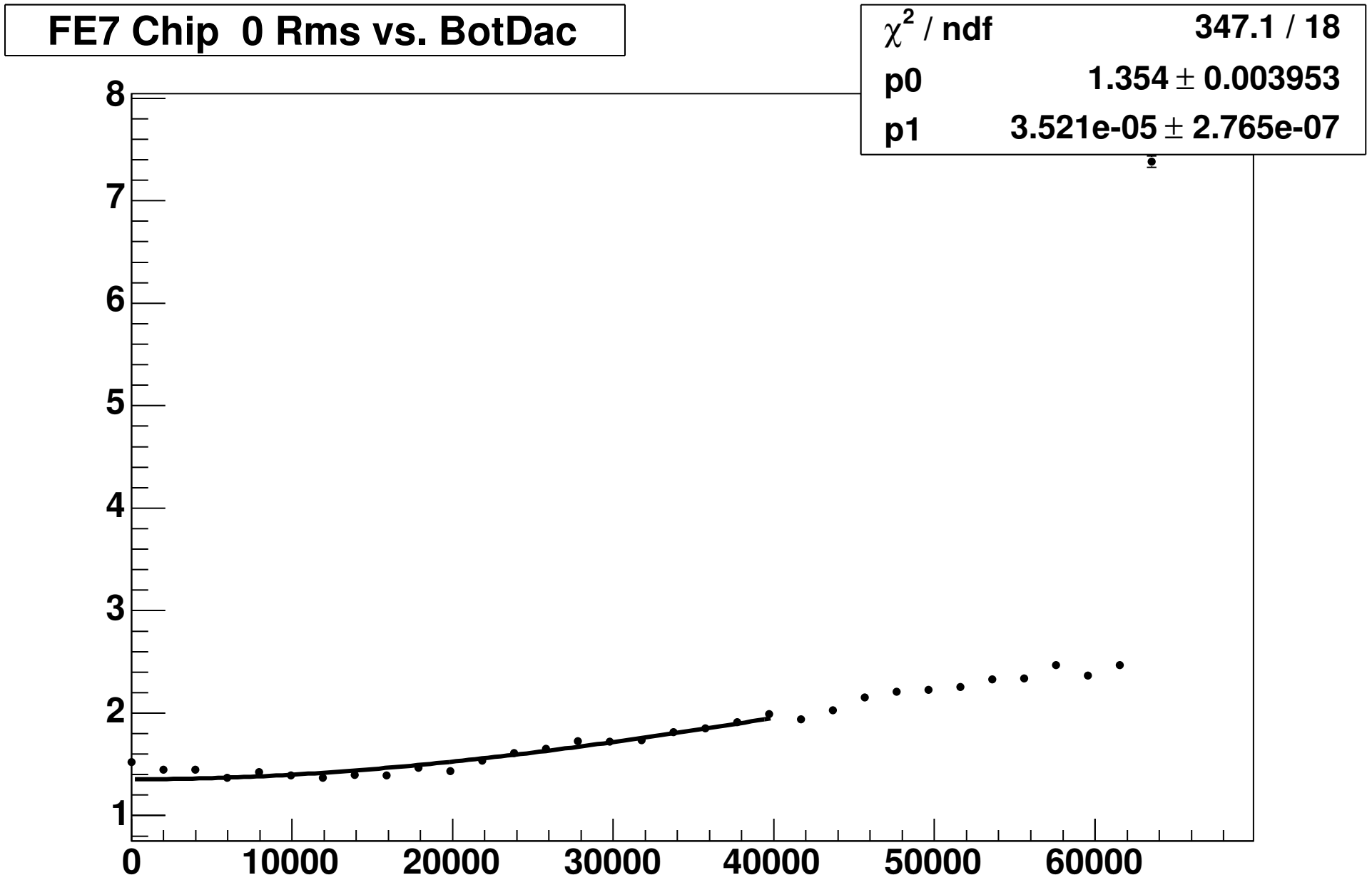

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 306.5 / 18
p0 59.61 ± 0.007346
p1 1.642e-06 ± 3.089e-07
60.4
60.2
60
59.8
59.6
0
10000
20000
30000
40000
50000
60000

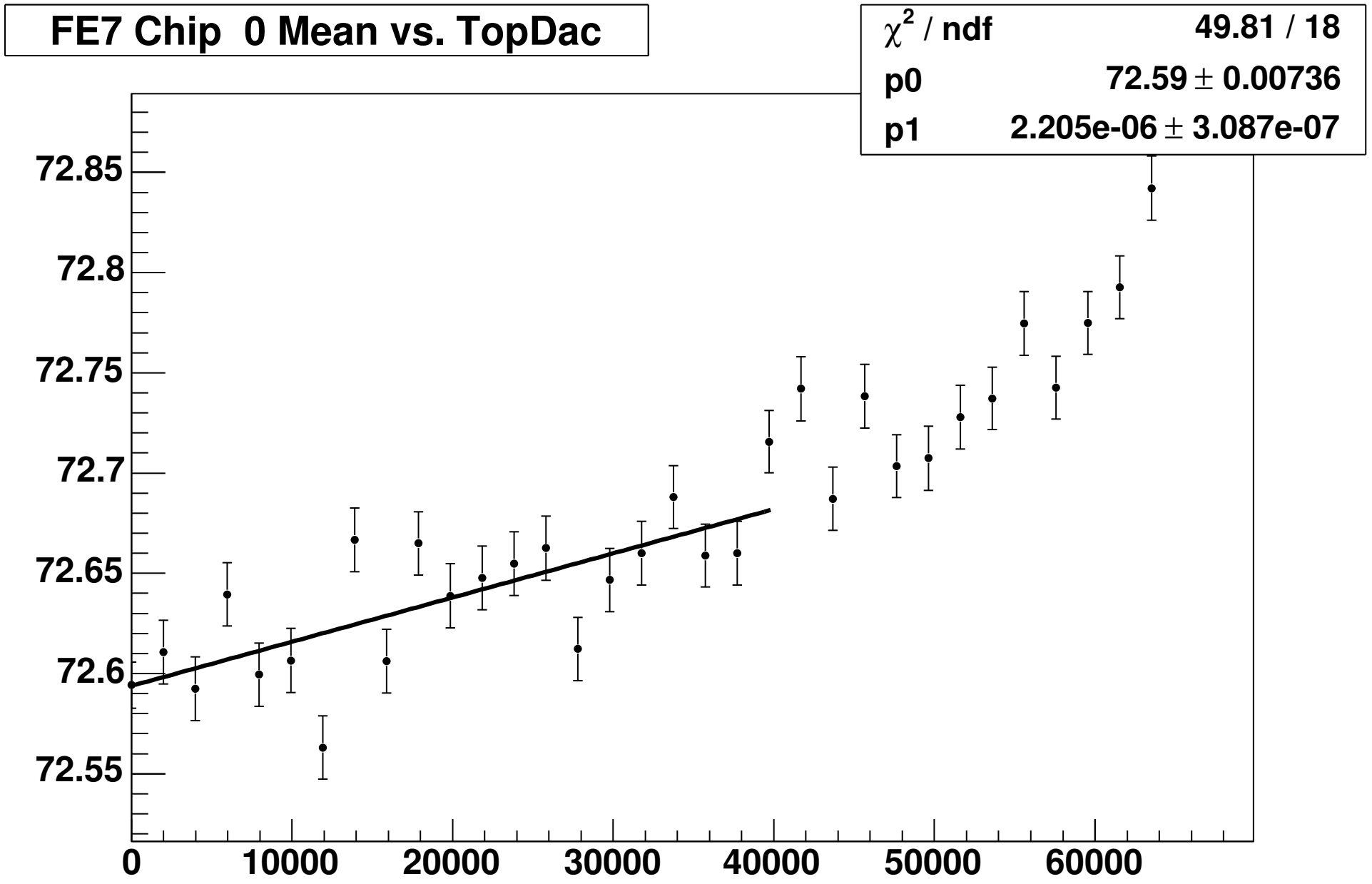

FE6 Chip 11 Rms vs. BotDac
χ² / ndf 16.9 / 18
p0 1.492 ± 0.002512
p1 -8.756e-13 ± 7.533e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

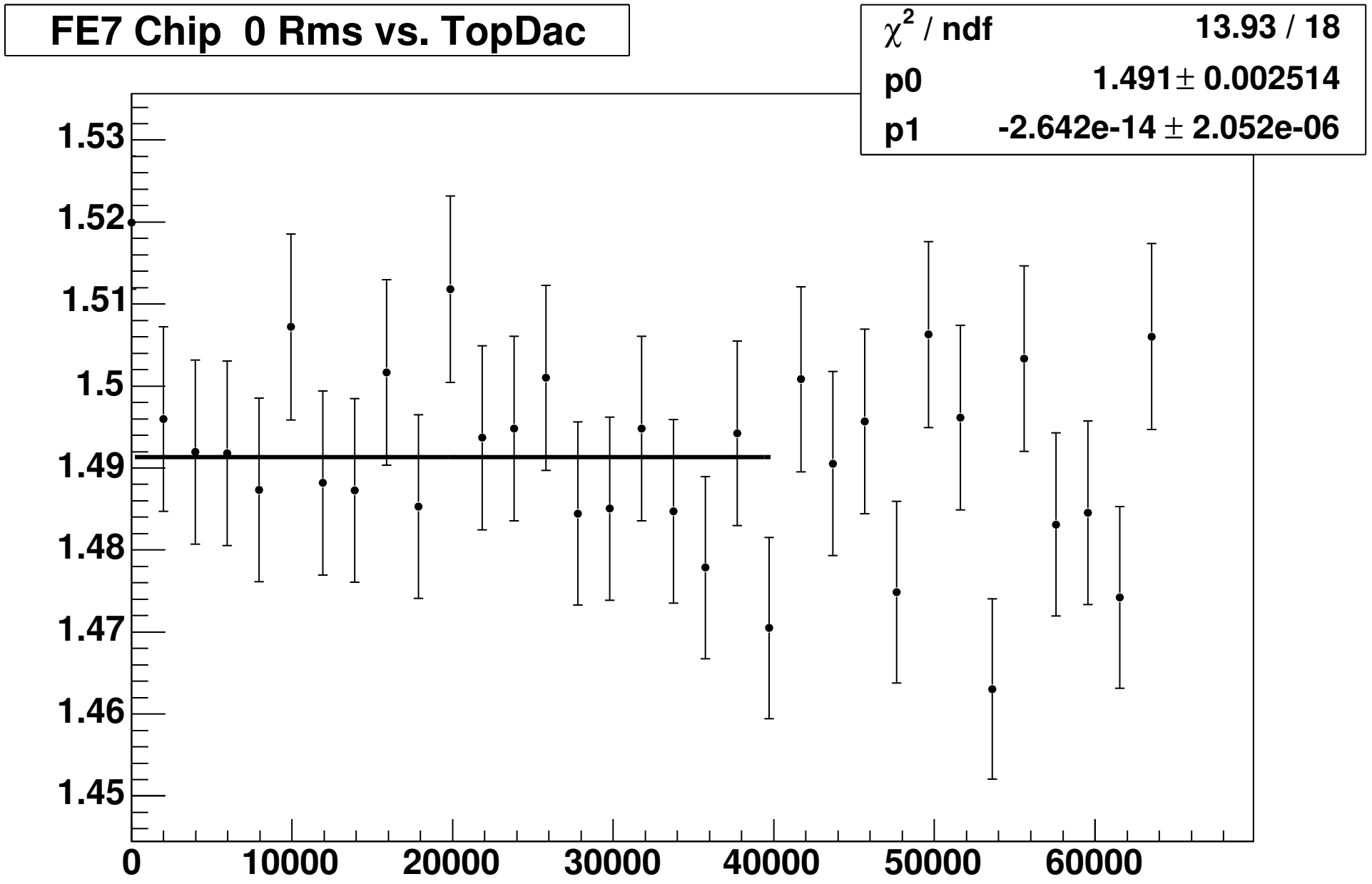

FE6 Chip 11 Mean vs. TopDac
χ² / ndf 6.524e+04 / 18
p0 60.98 ± 0.007256
p1 0.4503 ± 3.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

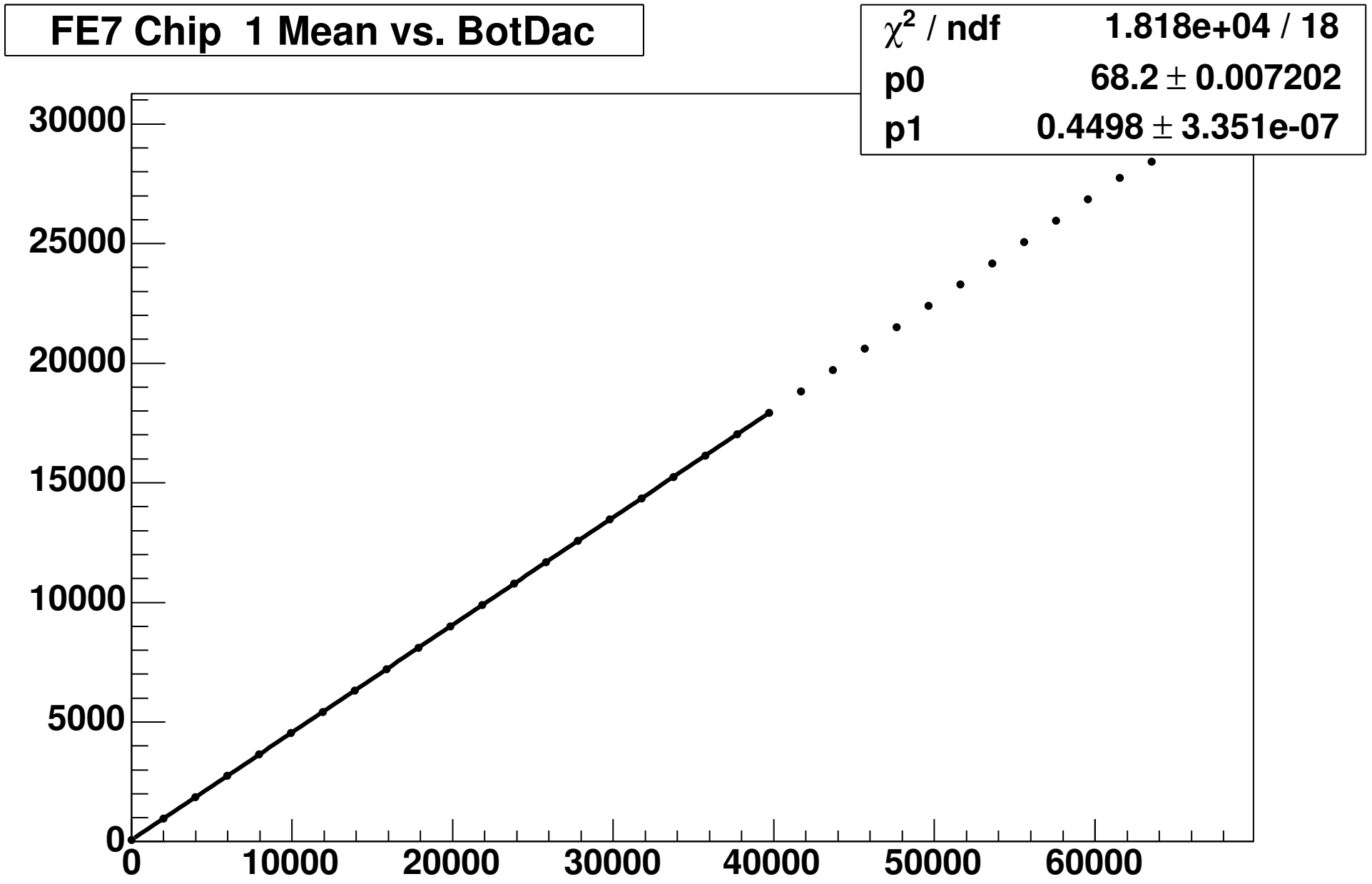

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 498.9 / 18
p0 1.353 ± 0.00395
p1 3.509e-05 ± 2.767e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

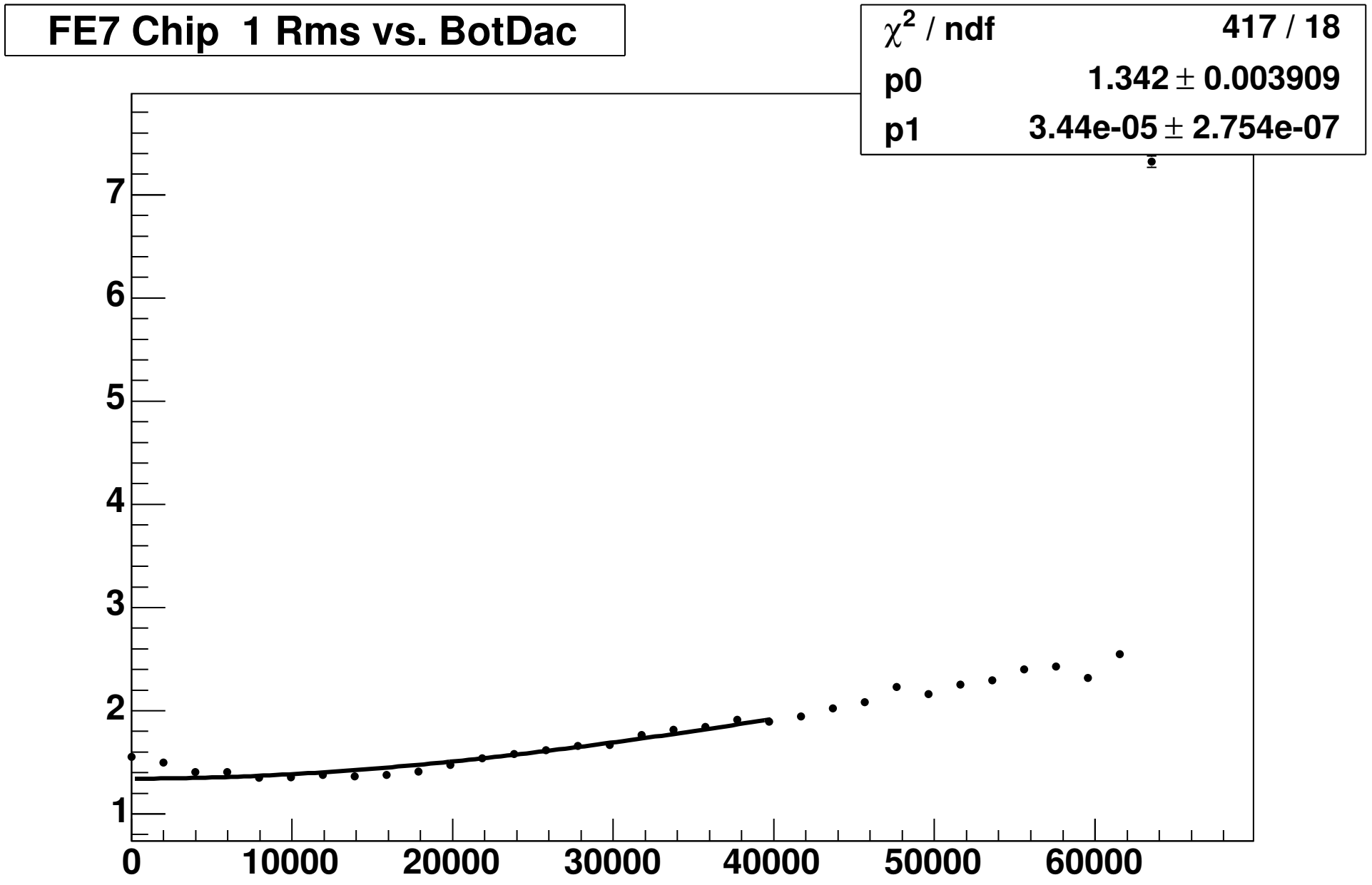

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.238e+04 / 18
p0 72.33 ± 0.007255
p1 0.4498 ± 3.384e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

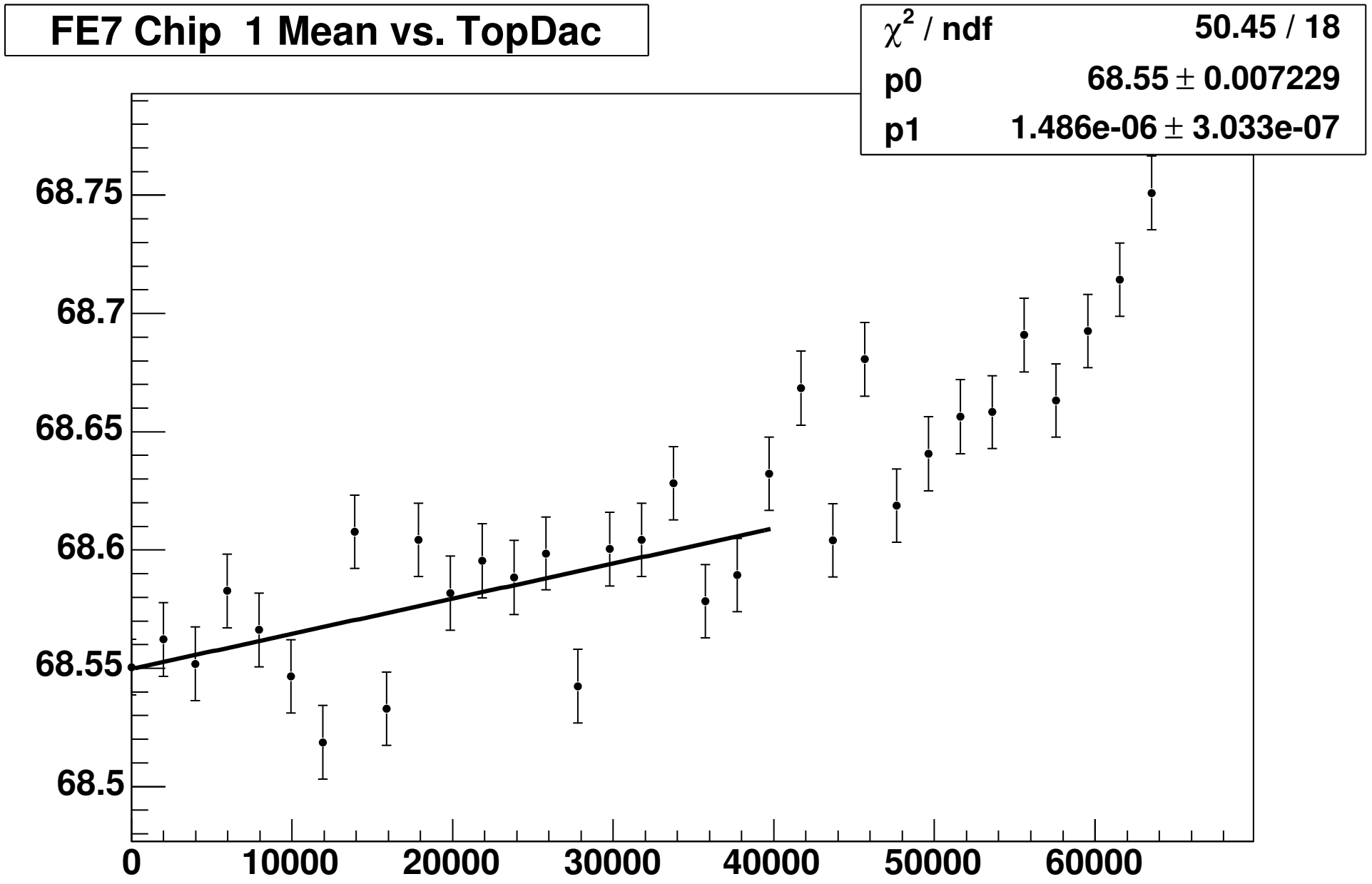

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 347.1 / 18
p0 1.354 ± 0.003953
p1 3.521e-05 ± 2.765e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

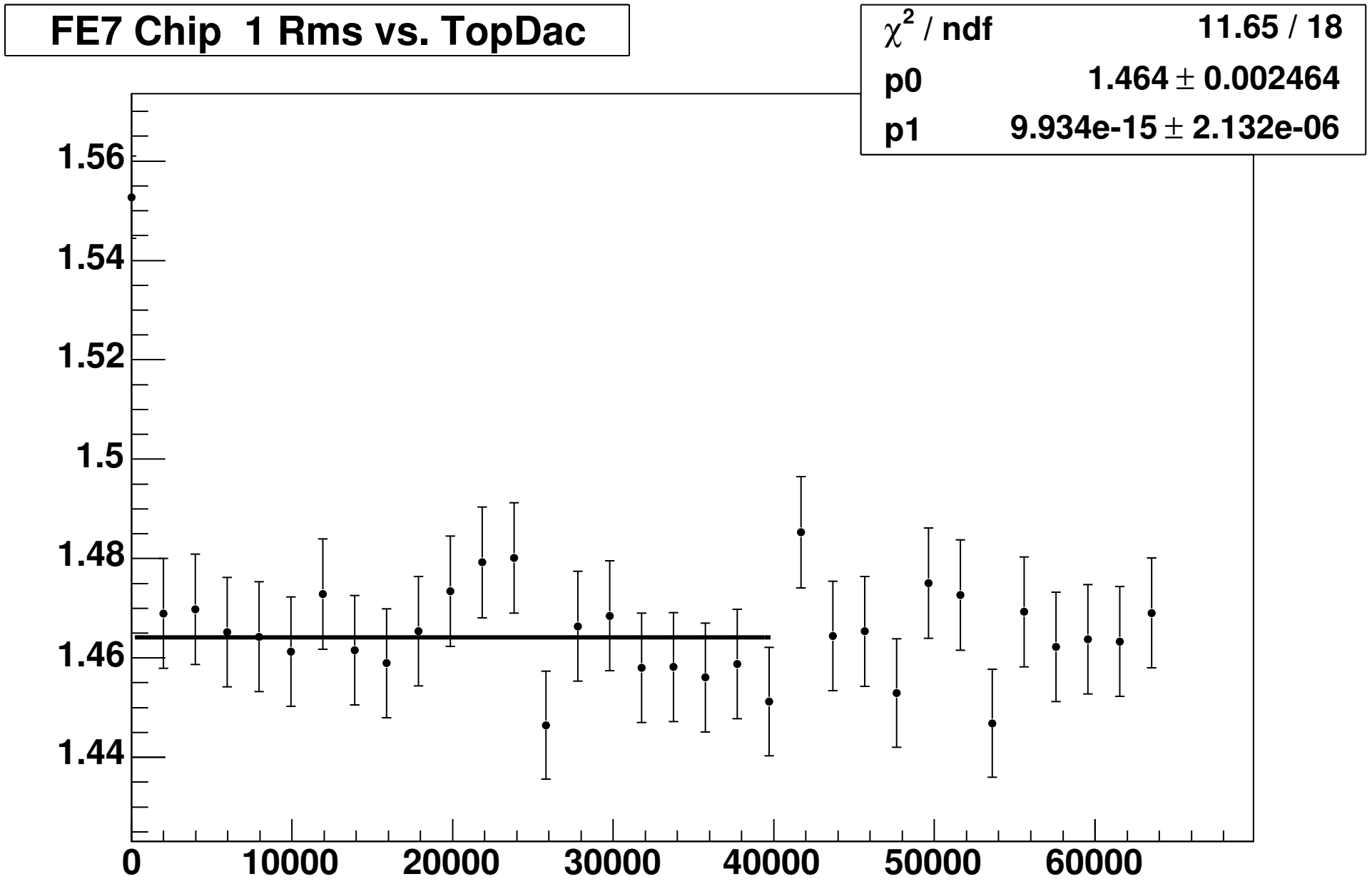

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 49.81 / 18
p0 72.59 ± 0.00736
p1 2.205e-06 ± 3.087e-07
72.85
72.8
72.75
72.7
72.65
72.6
72.55
0
10000
20000
30000
40000
50000
60000

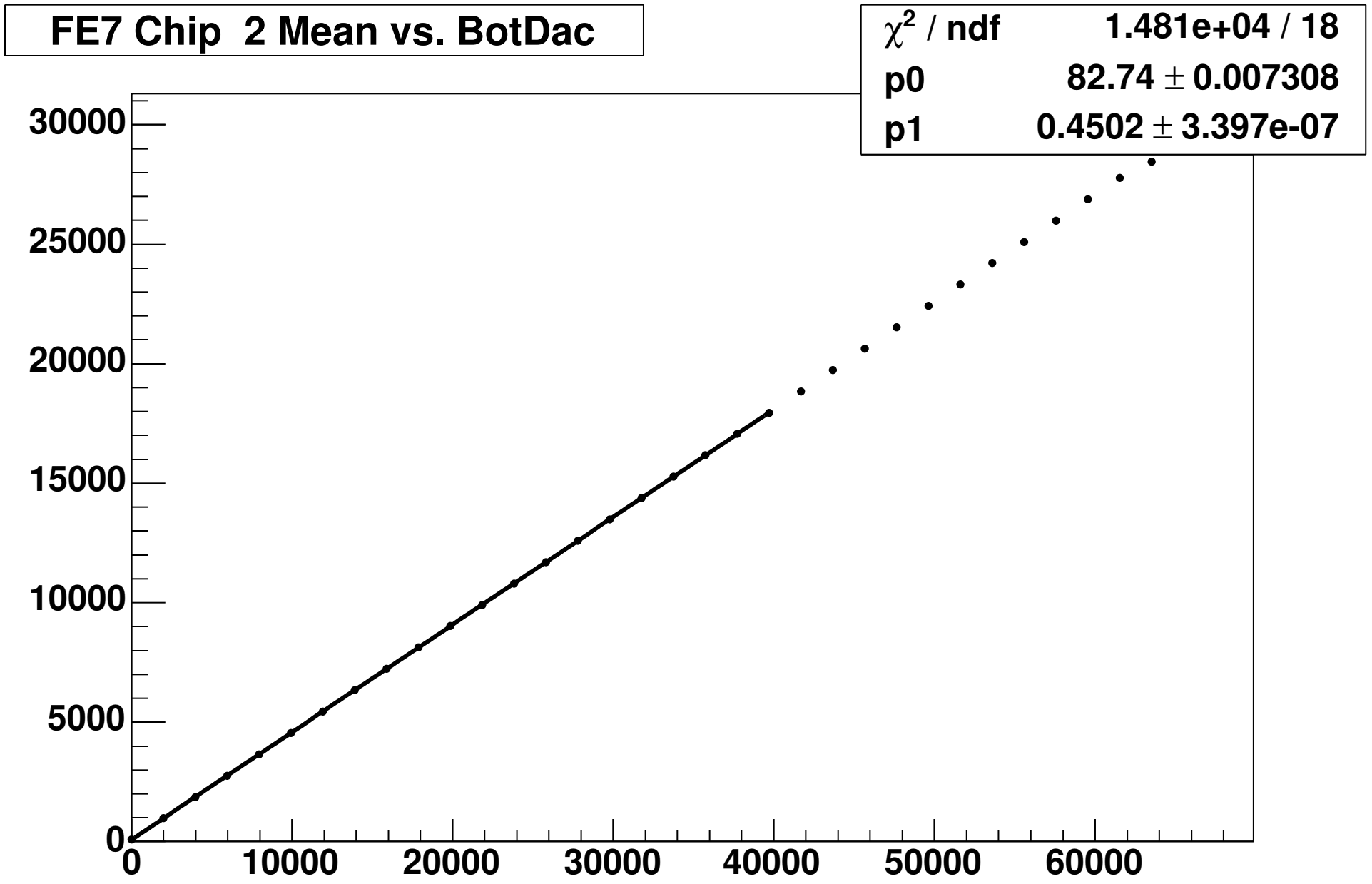

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 13.93 / 18
p0 1.491 ± 0.002514
p1 -2.642e-14 ± 2.052e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

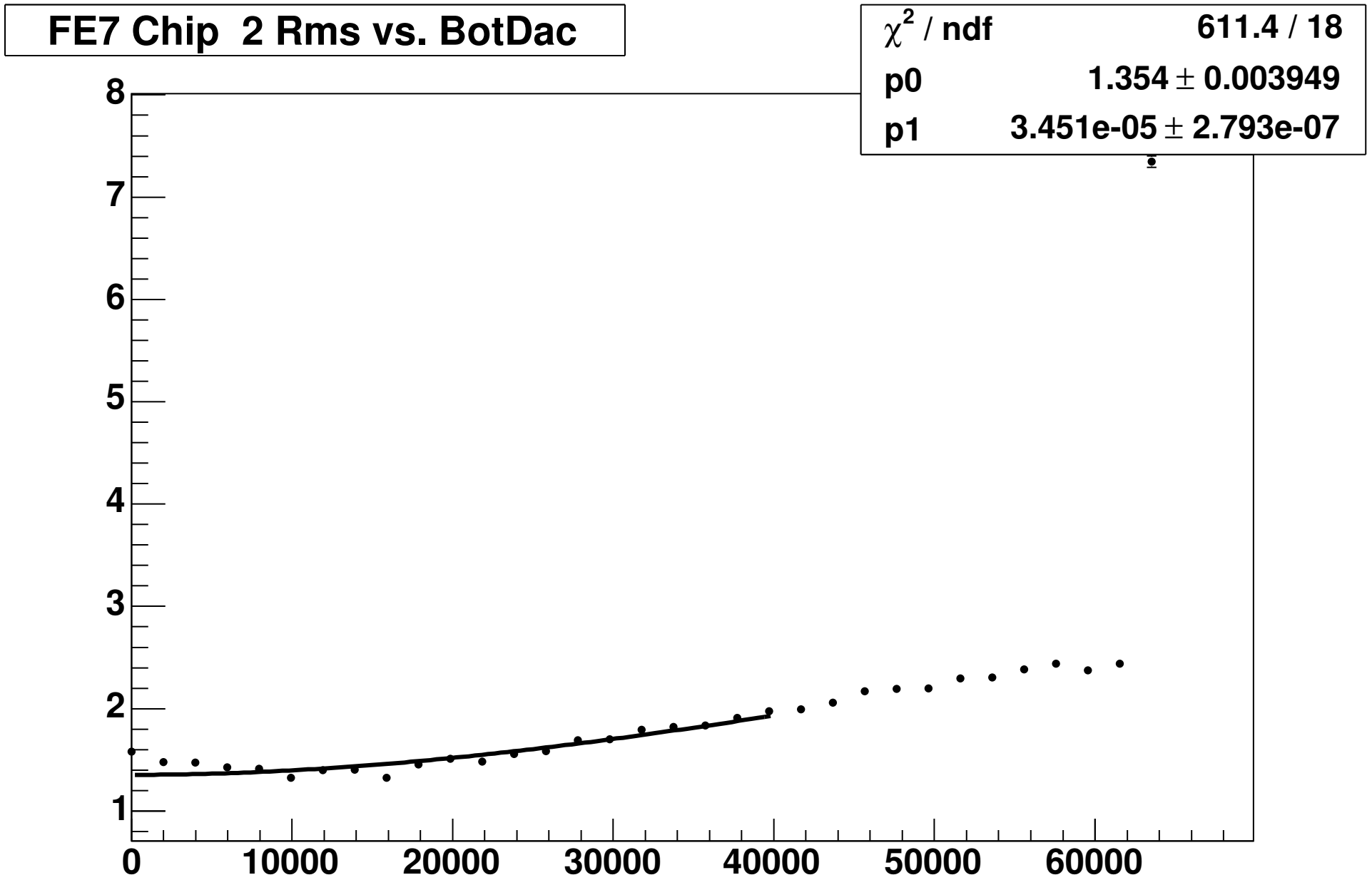

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.818e+04 / 18
p0 68.2 ± 0.007202
p1 0.4498 ± 3.351e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

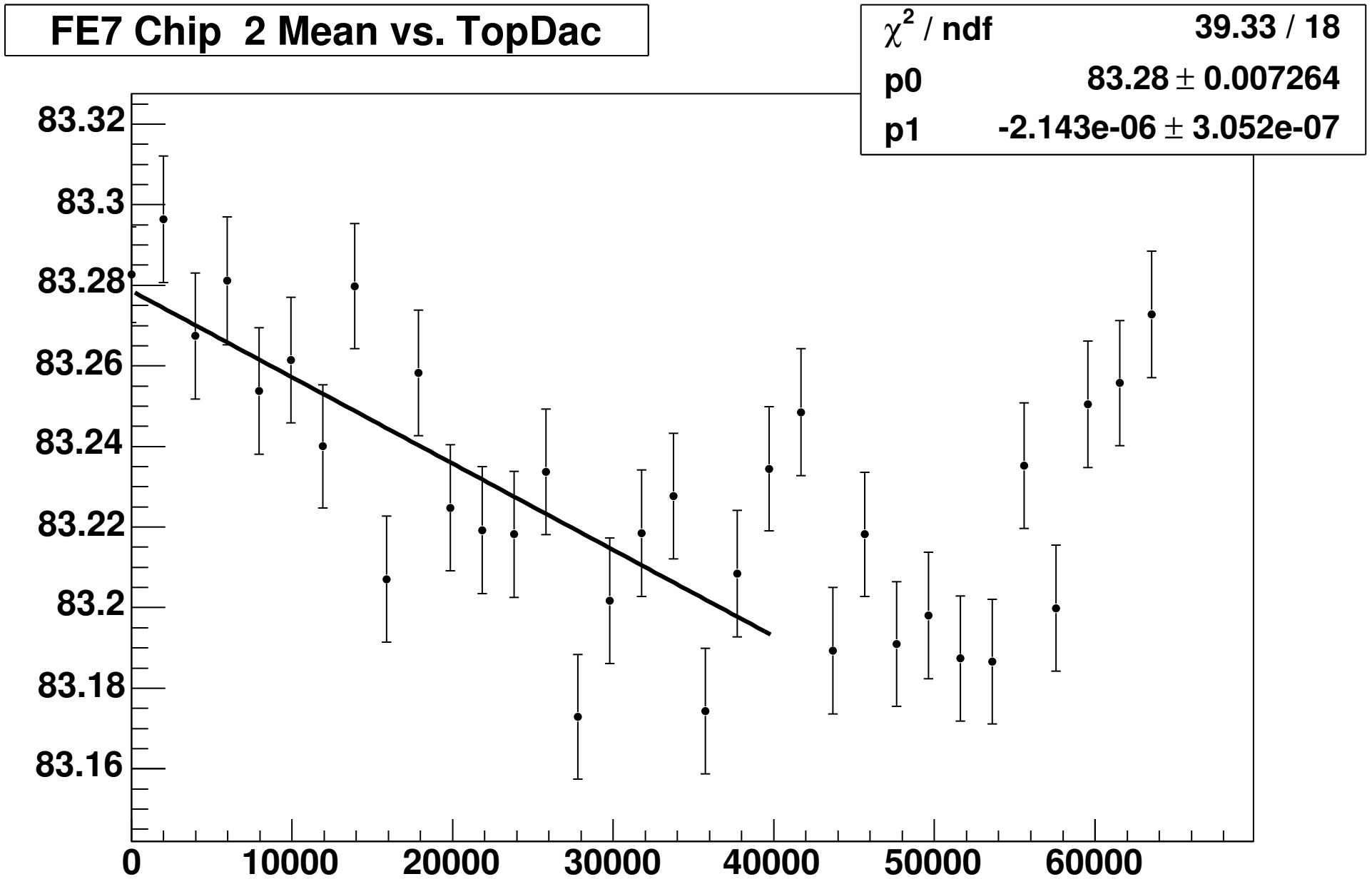

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 417 / 18
p0 1.342 ± 0.003909
p1 3.44e-05 ± 2.754e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

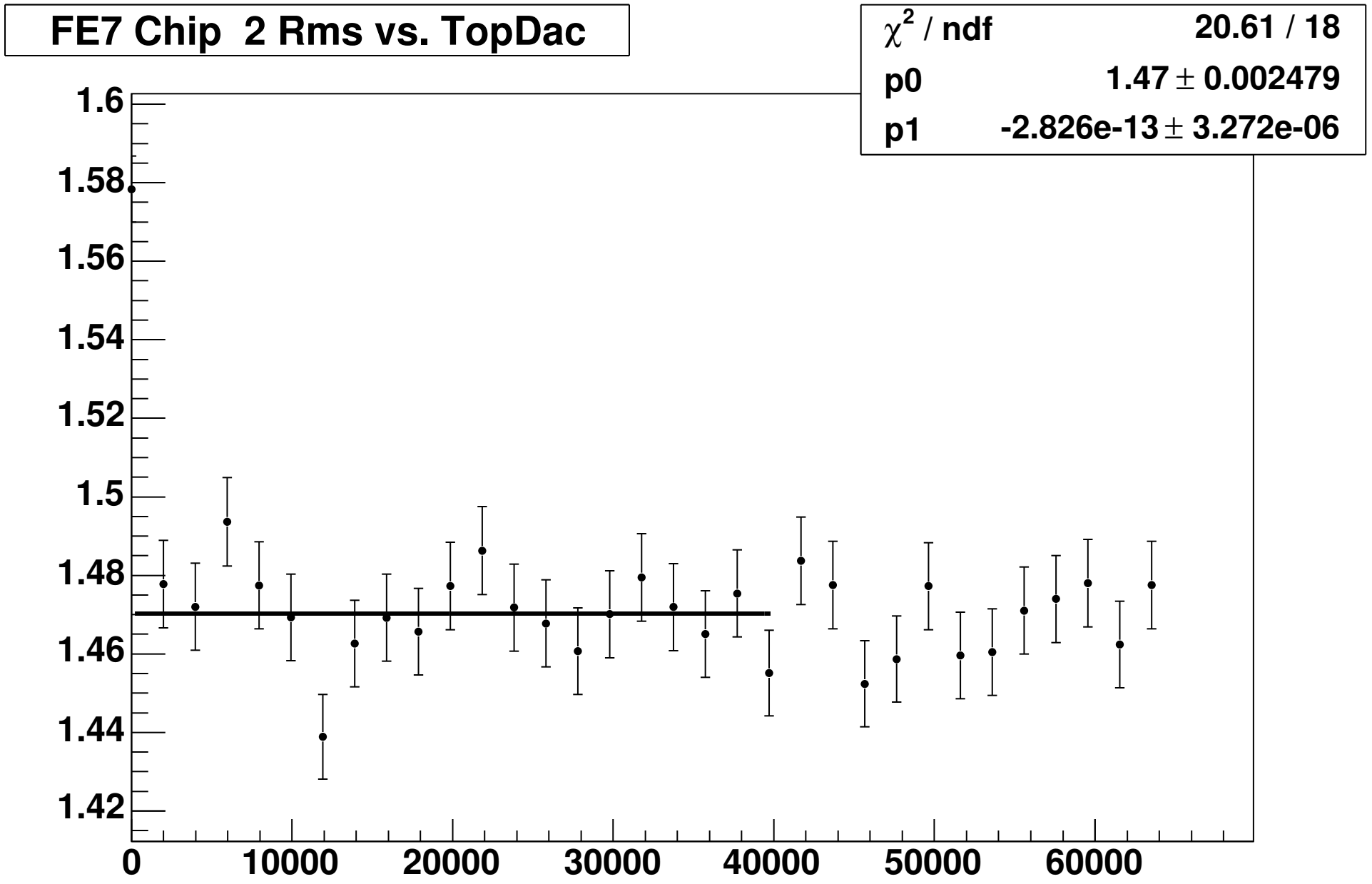

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 50.45 / 18
p0 68.55 ± 0.007229
p1 1.486e-06 ± 3.033e-07
68.75
68.7
68.65
68.6
68.55
68.5
0
10000
20000
30000
40000
50000
60000

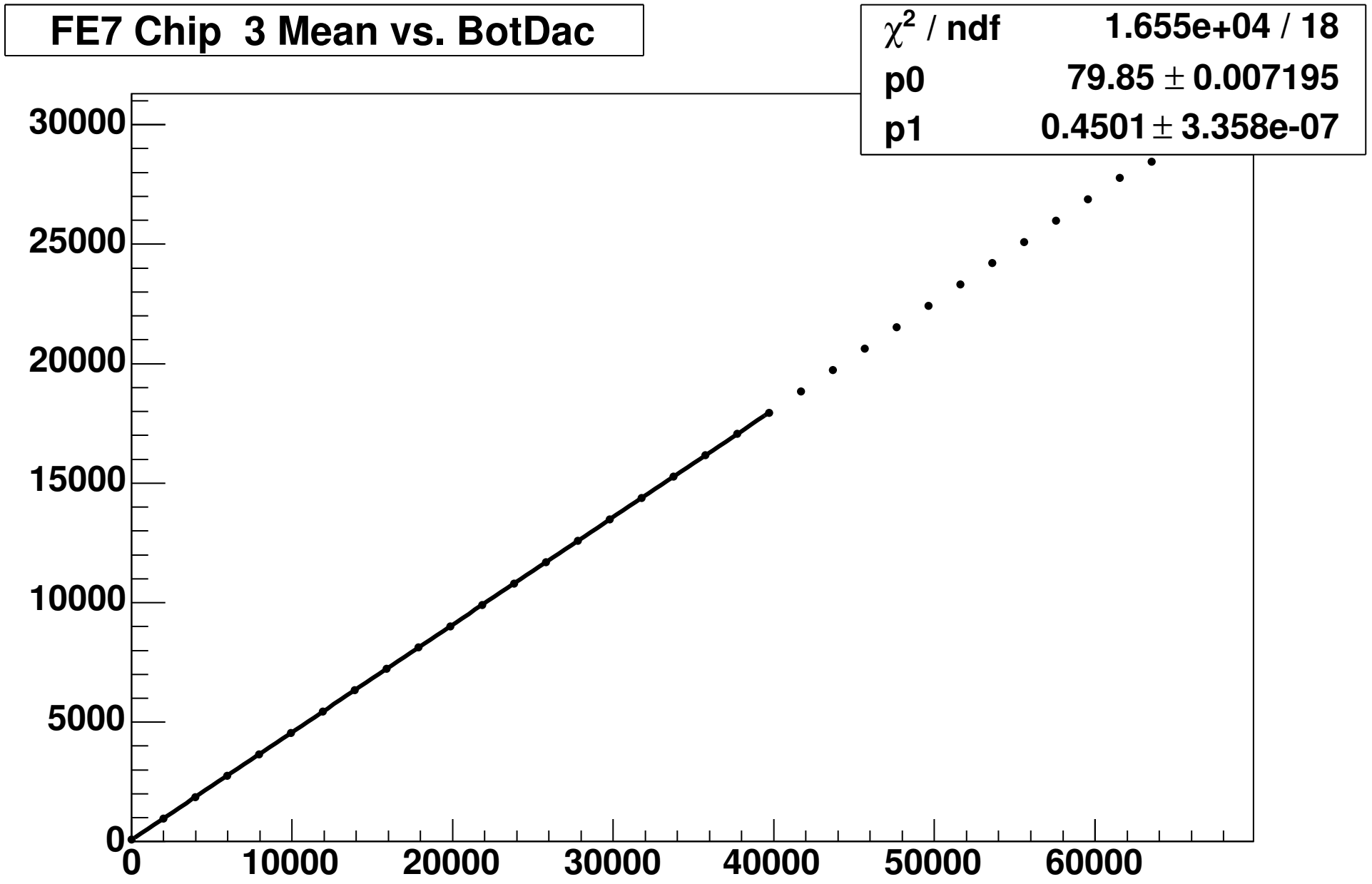

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 11.65 / 18
p0 1.464 ± 0.002464
p1 9.934e-15 ± 2.132e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000

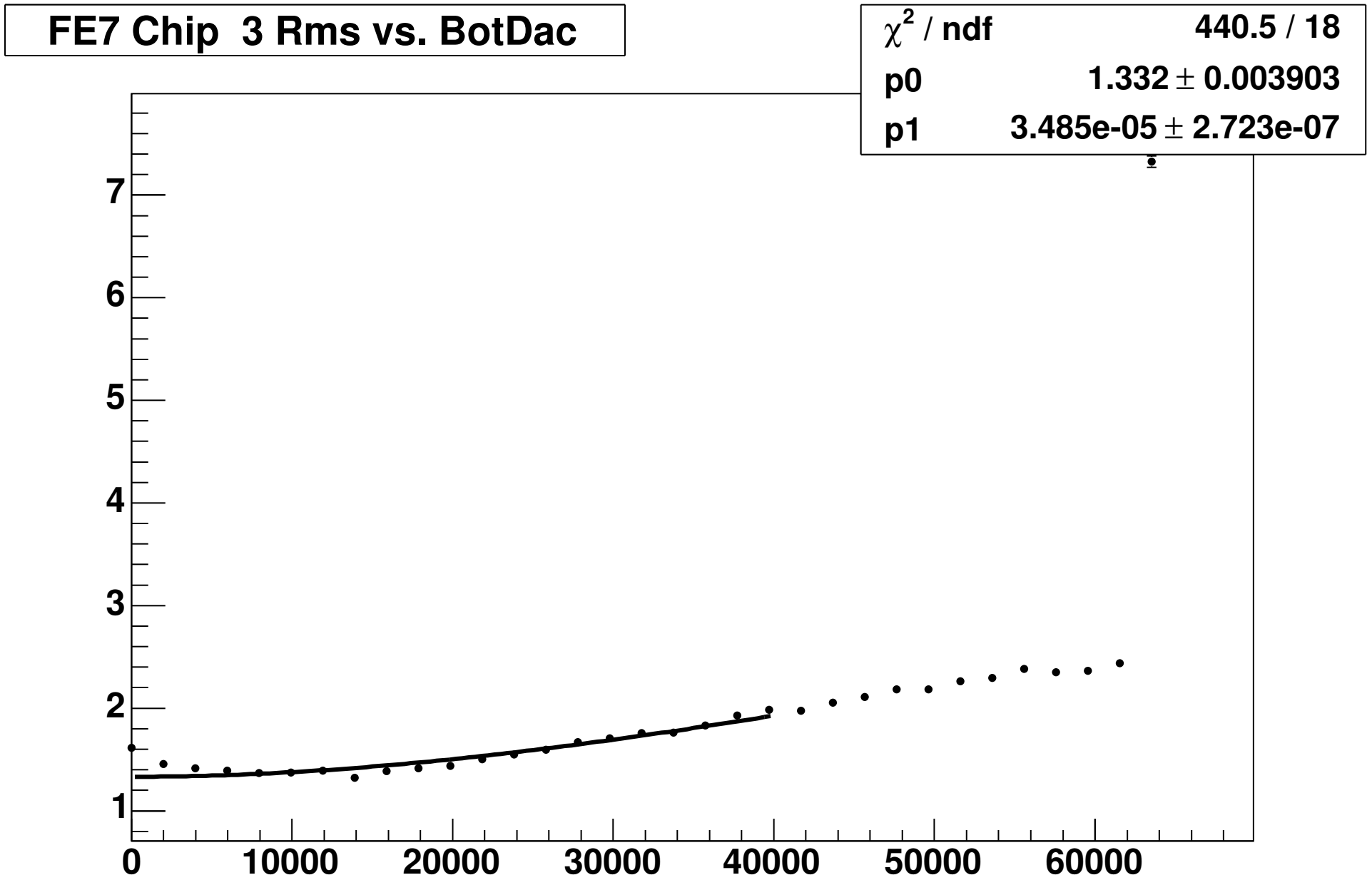

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.481e+04 / 18
p0 82.74 ± 0.007308
p1 0.4502 ± 3.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

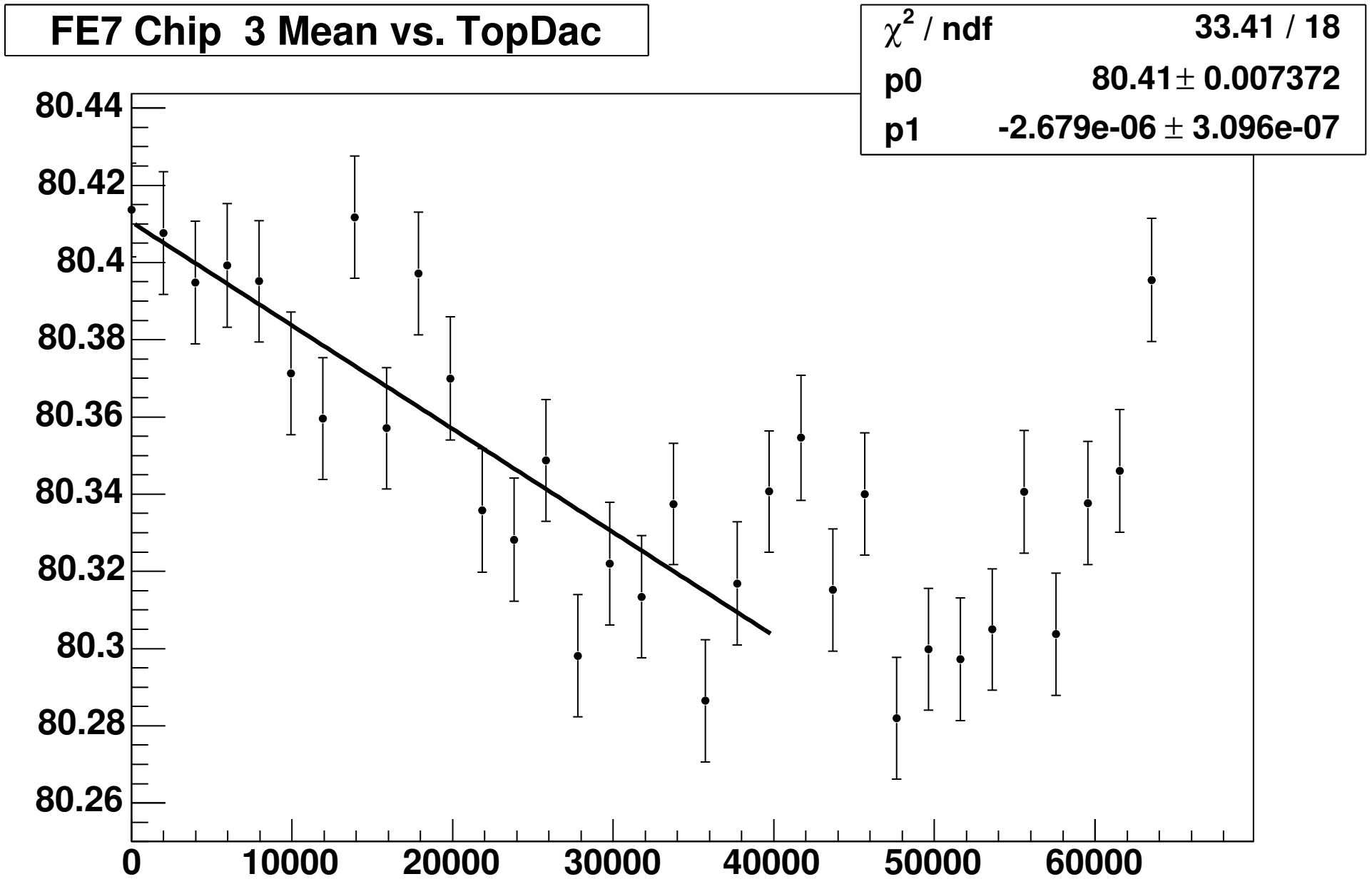

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 611.4 / 18
p0 1.354 ± 0.003949
p1 3.451e-05 ± 2.793e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

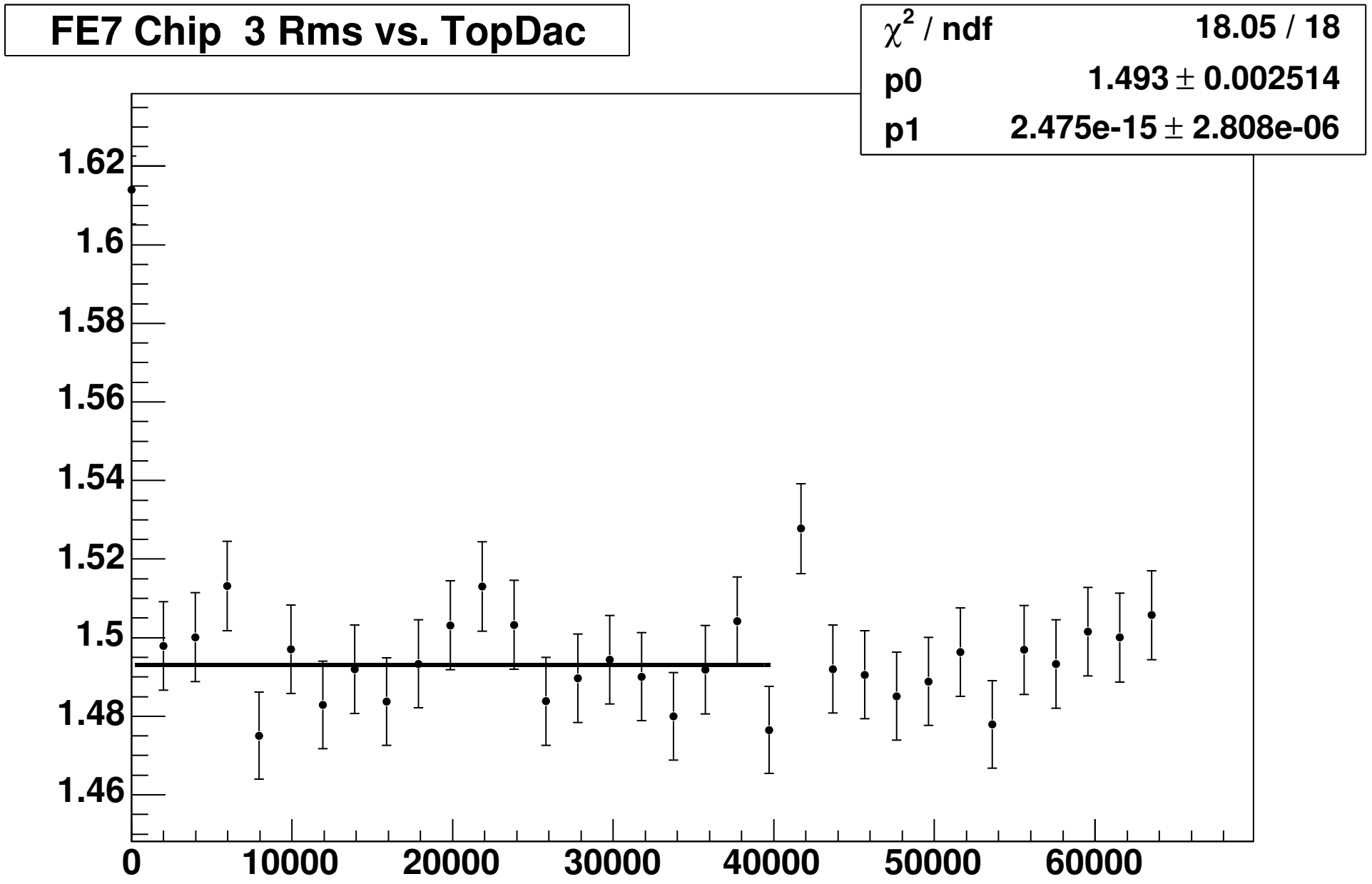

FE7 Chip 2 Mean vs. TopDac
χ^2 / ndf 39.33 / 18
p0 83.28 ± 0.007264
p1 -2.143e-06 ± 3.052e-07
83.32
83.3
83.28
83.26
83.24
83.22
83.2
83.18
83.16
0
10000
20000
30000
40000
50000
60000

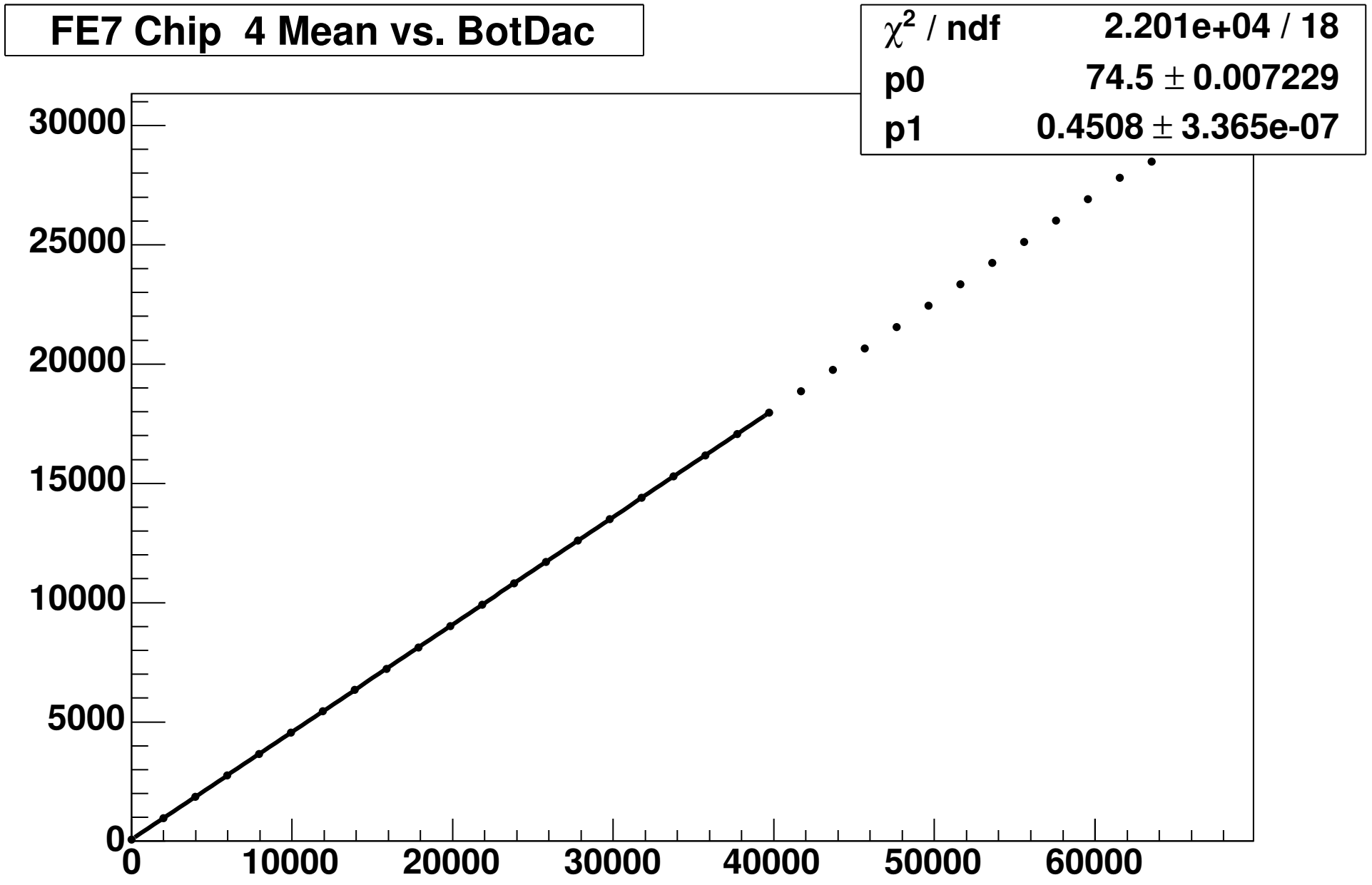

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 20.61 / 18
p0 1.47 ± 0.002479
p1 -2.826e-13 ± 3.272e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

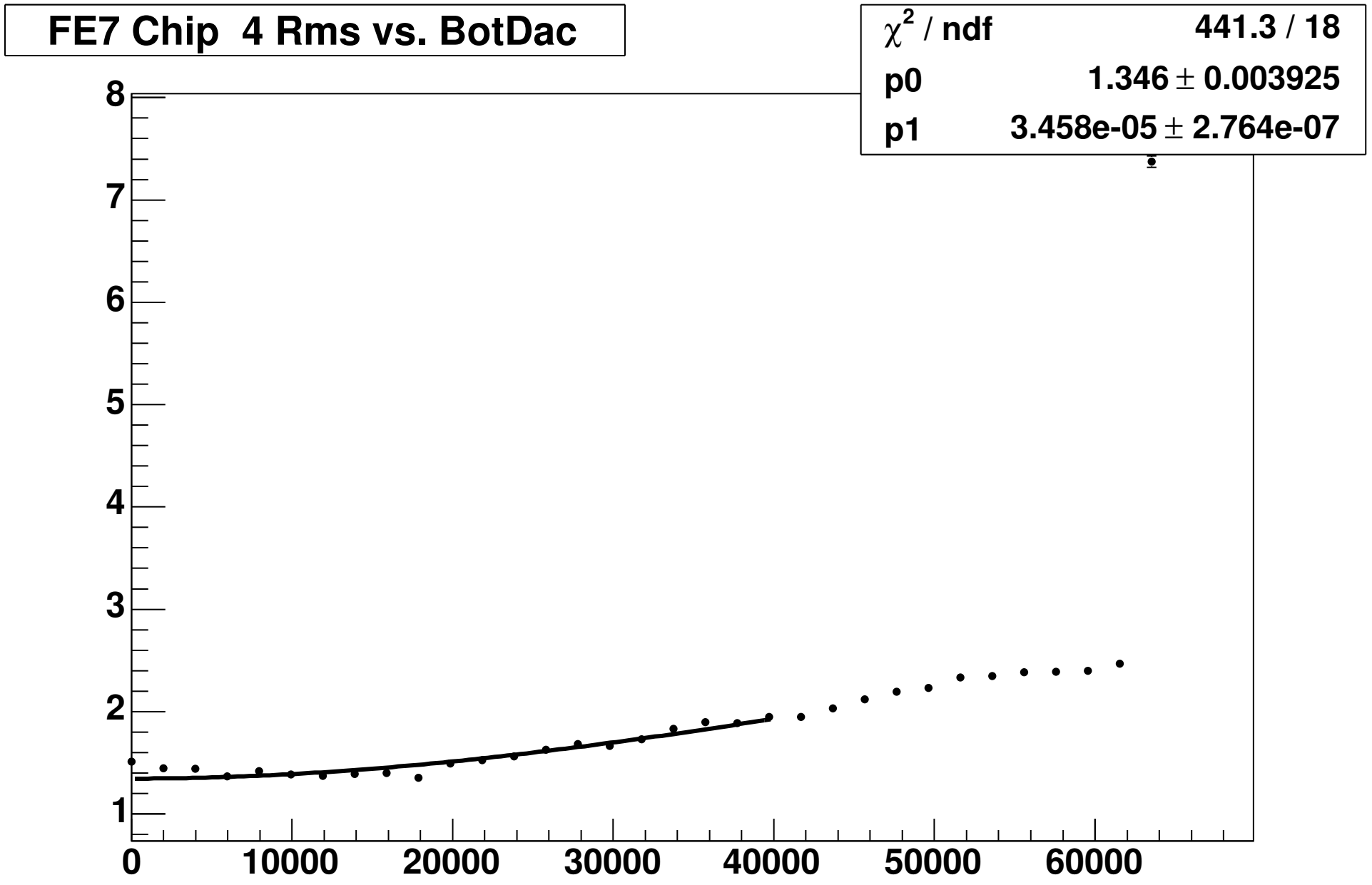

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.655e+04 / 18
p0 79.85 ± 0.007195
p1 0.4501 ± 3.358e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

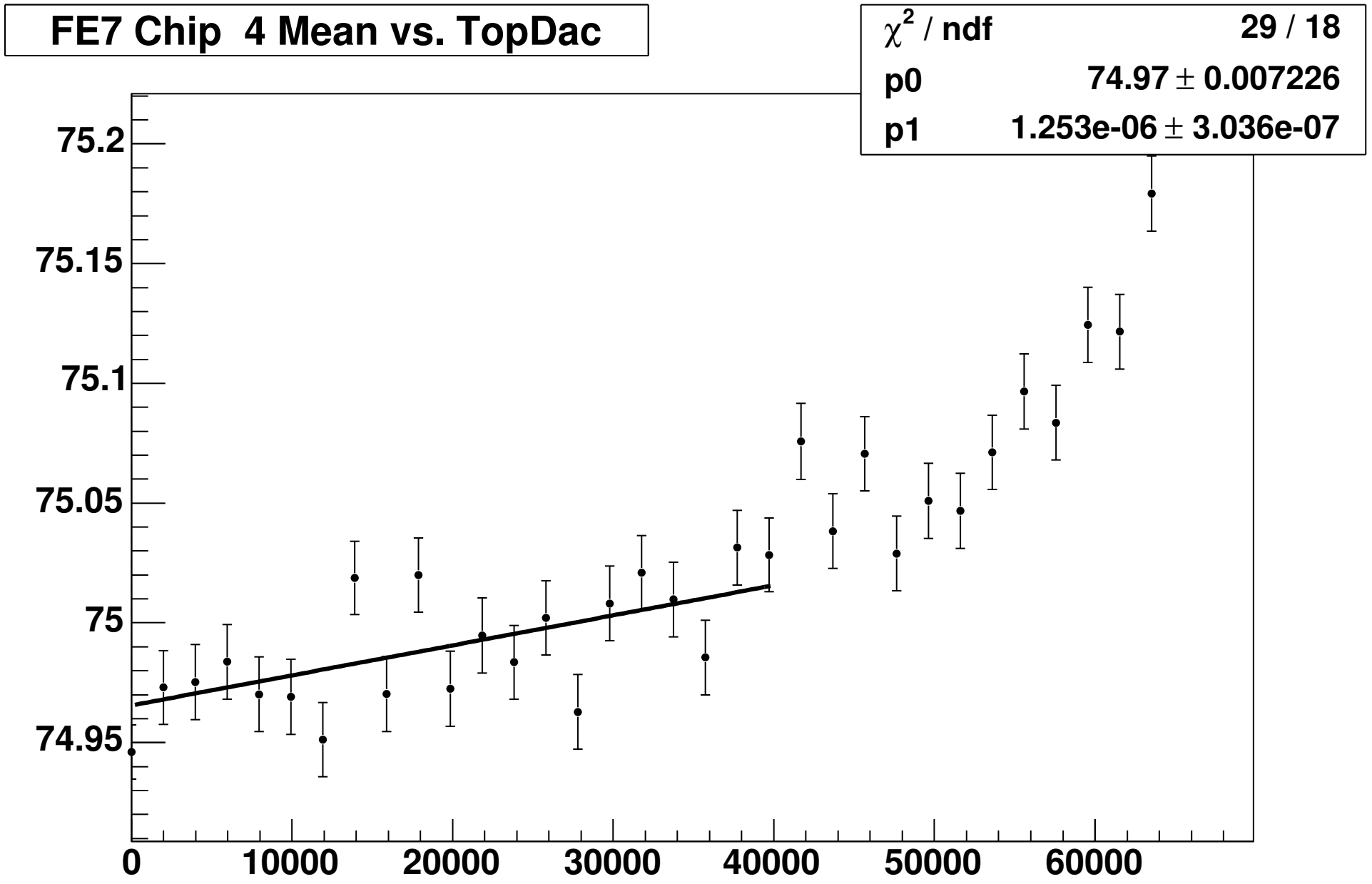

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 440.5 / 18
p0 1.332 ± 0.003903
p1 3.485e-05 ± 2.723e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

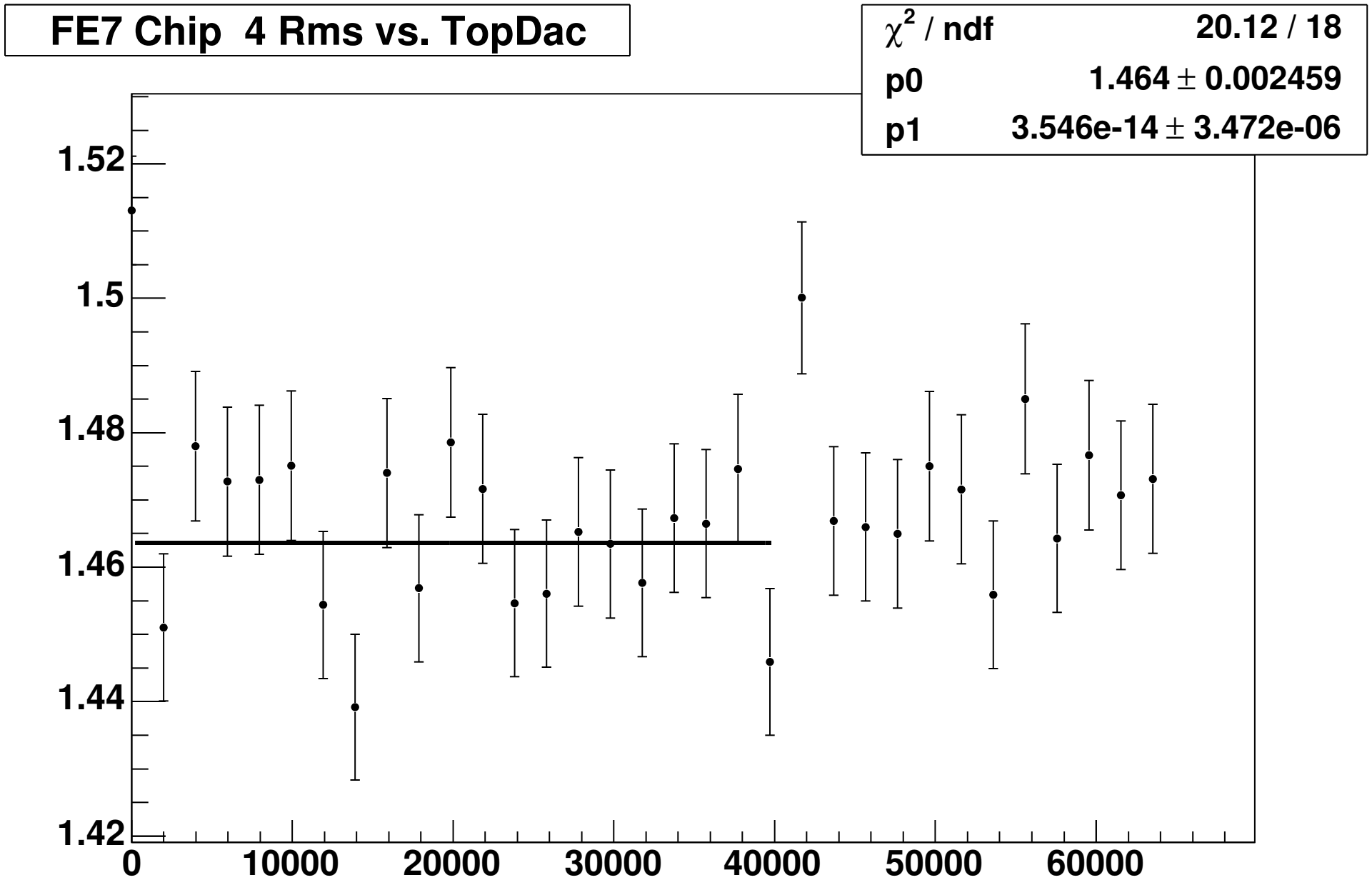

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 33.41 / 18
p0 80.41 ± 0.007372
p1 -2.679e-06 ± 3.096e-07
80.44
80.42
80.4
80.38
80.36
80.34
80.32
80.3
80.28
80.26
0
10000
20000
30000
40000
50000
60000

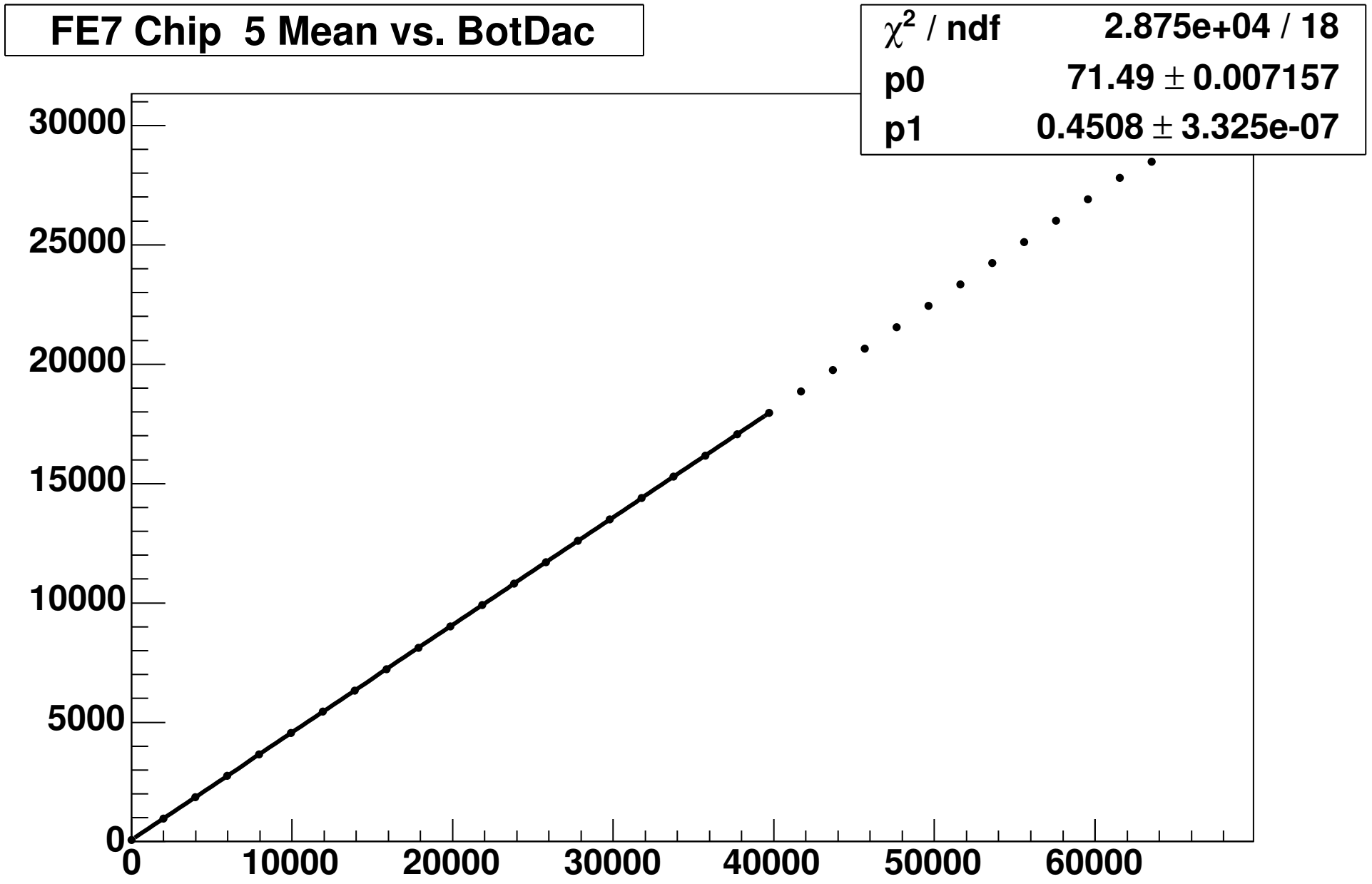

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 18.05 / 18
p0 1.493 ± 0.002514
p1 2.475e-15 ± 2.808e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

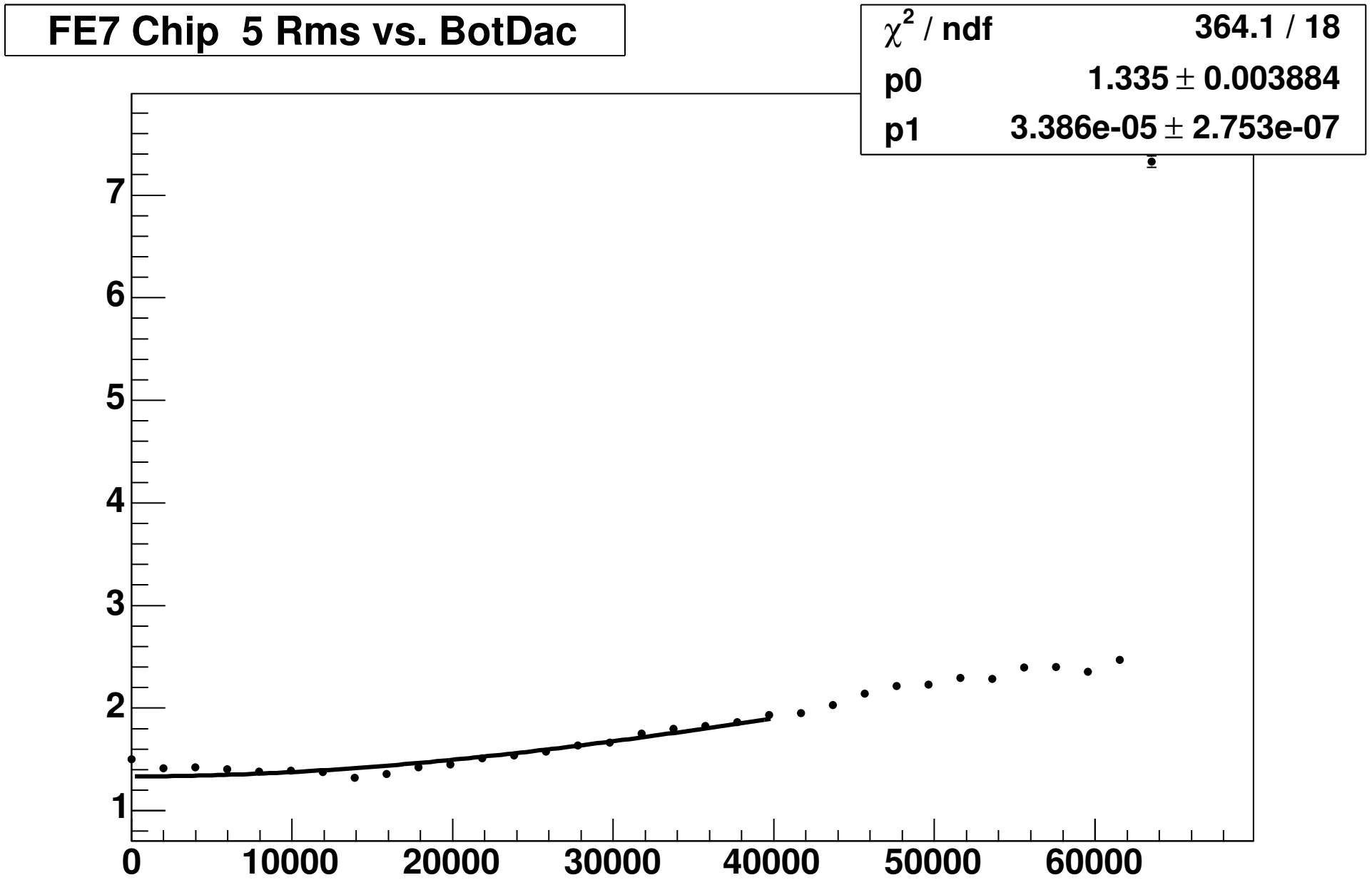

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 2.201e+04 / 18
p0 74.5 ± 0.007229
p1 0.4508 ± 3.365e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

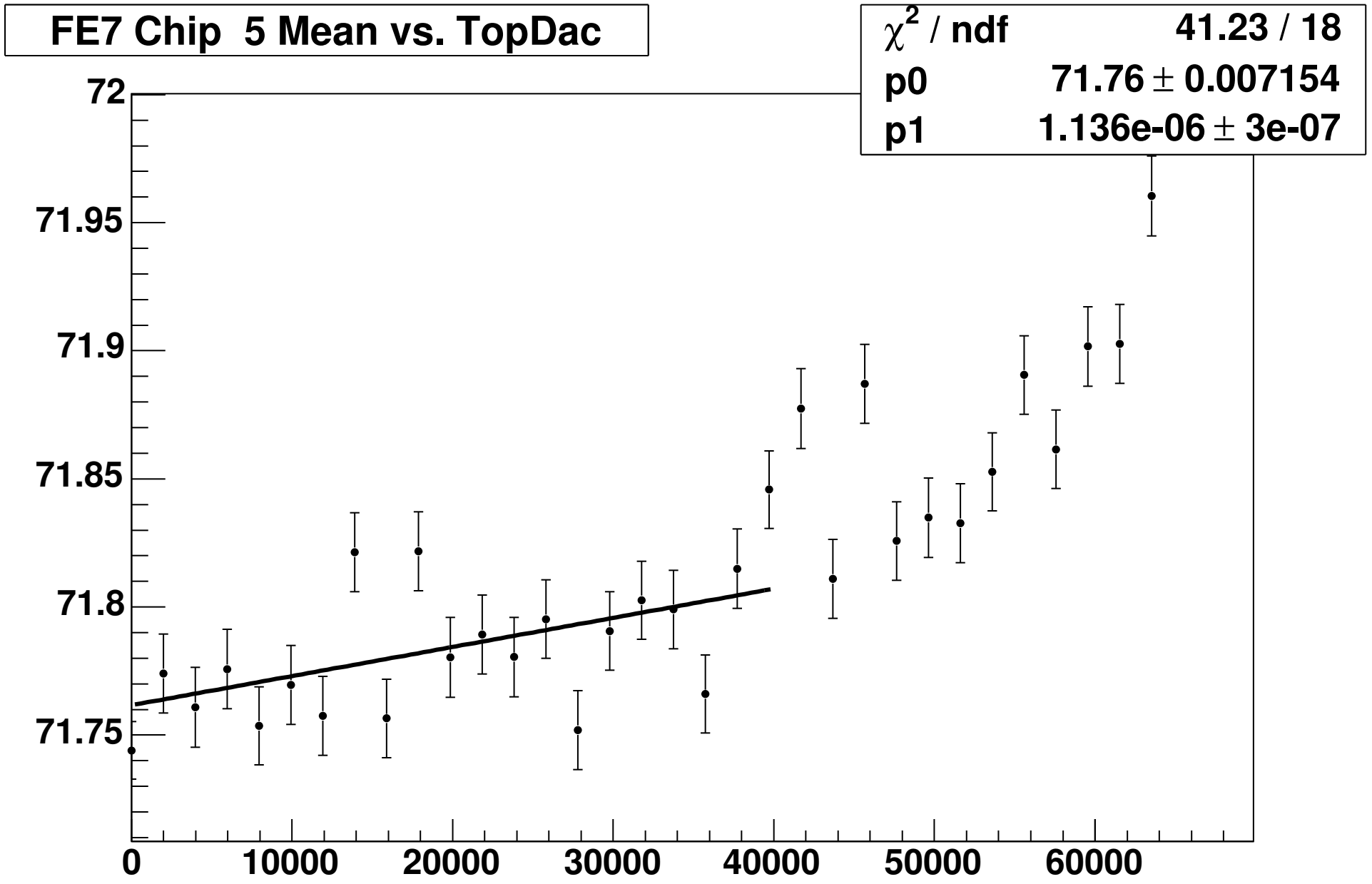

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 441.3 / 18
p0 1.346 ± 0.003925
p1 3.458e-05 ± 2.764e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

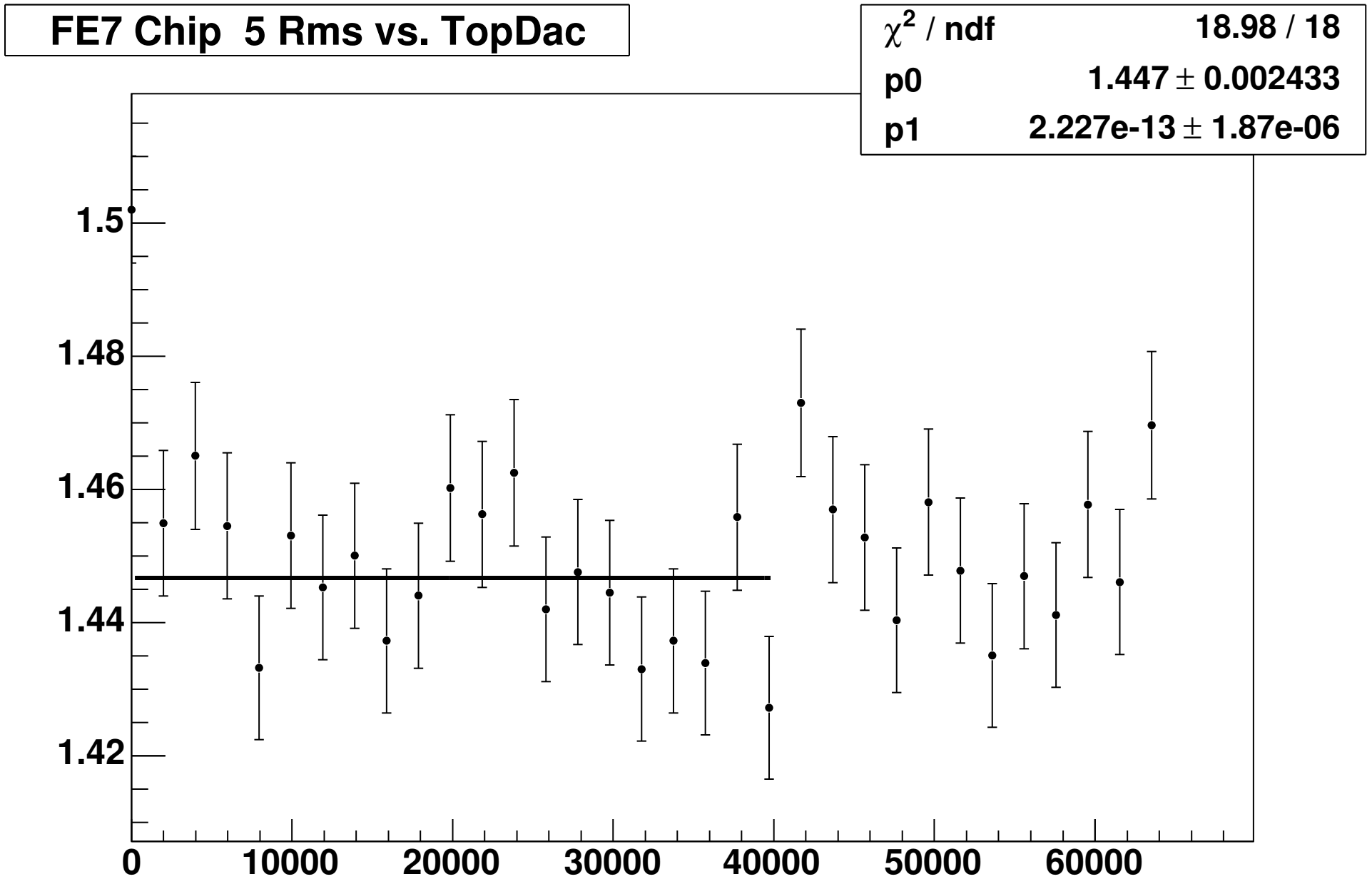

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 29 / 18
p0 74.97 ± 0.007226
p1 1.253e-06 ± 3.036e-07
75.2
75.15
75.1
75.05
75
74.95
0
10000
20000
30000
40000
50000
60000

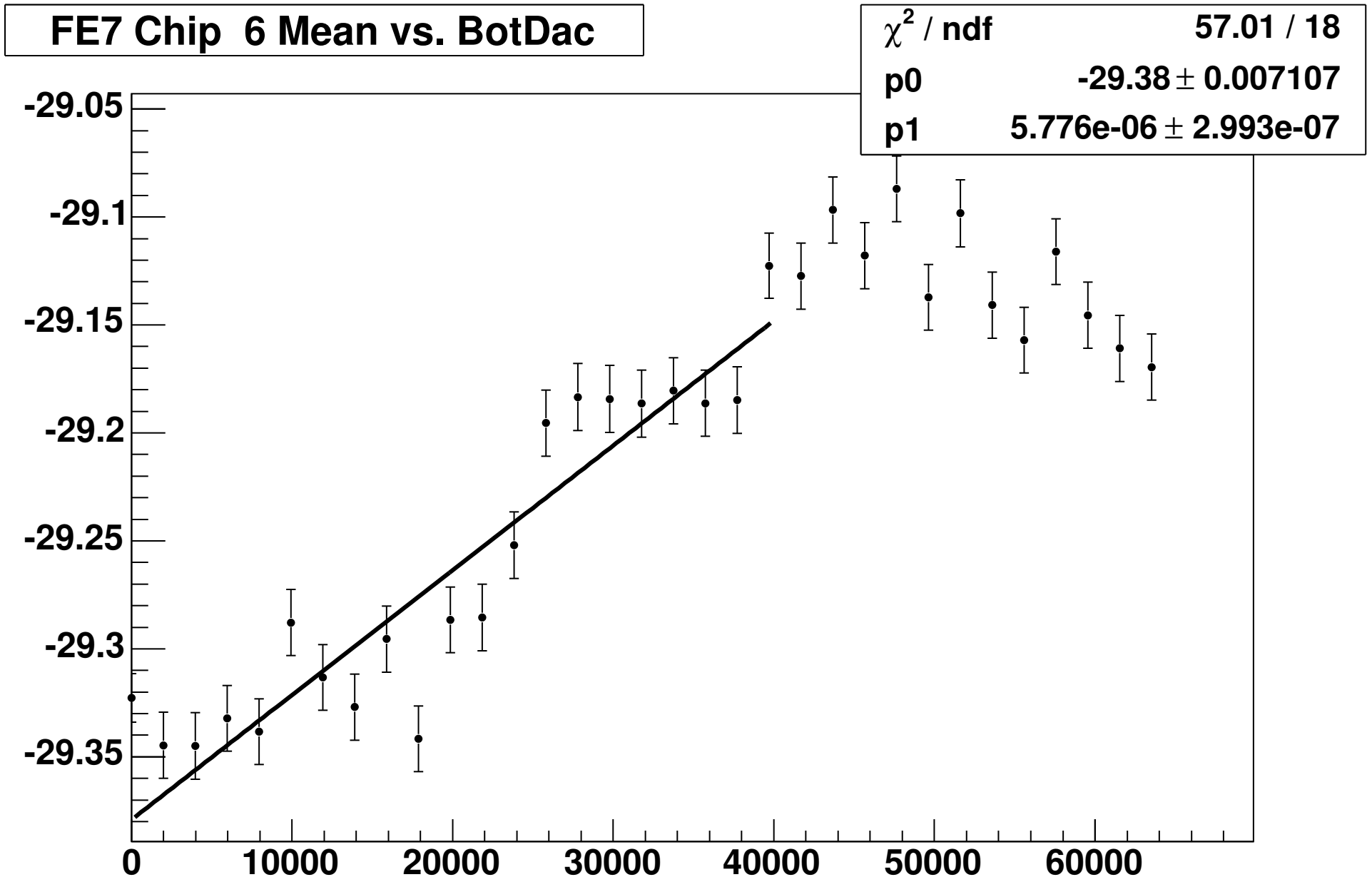

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 20.12 / 18
p0 1.464 ± 0.002459
p1 3.546e-14 ± 3.472e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

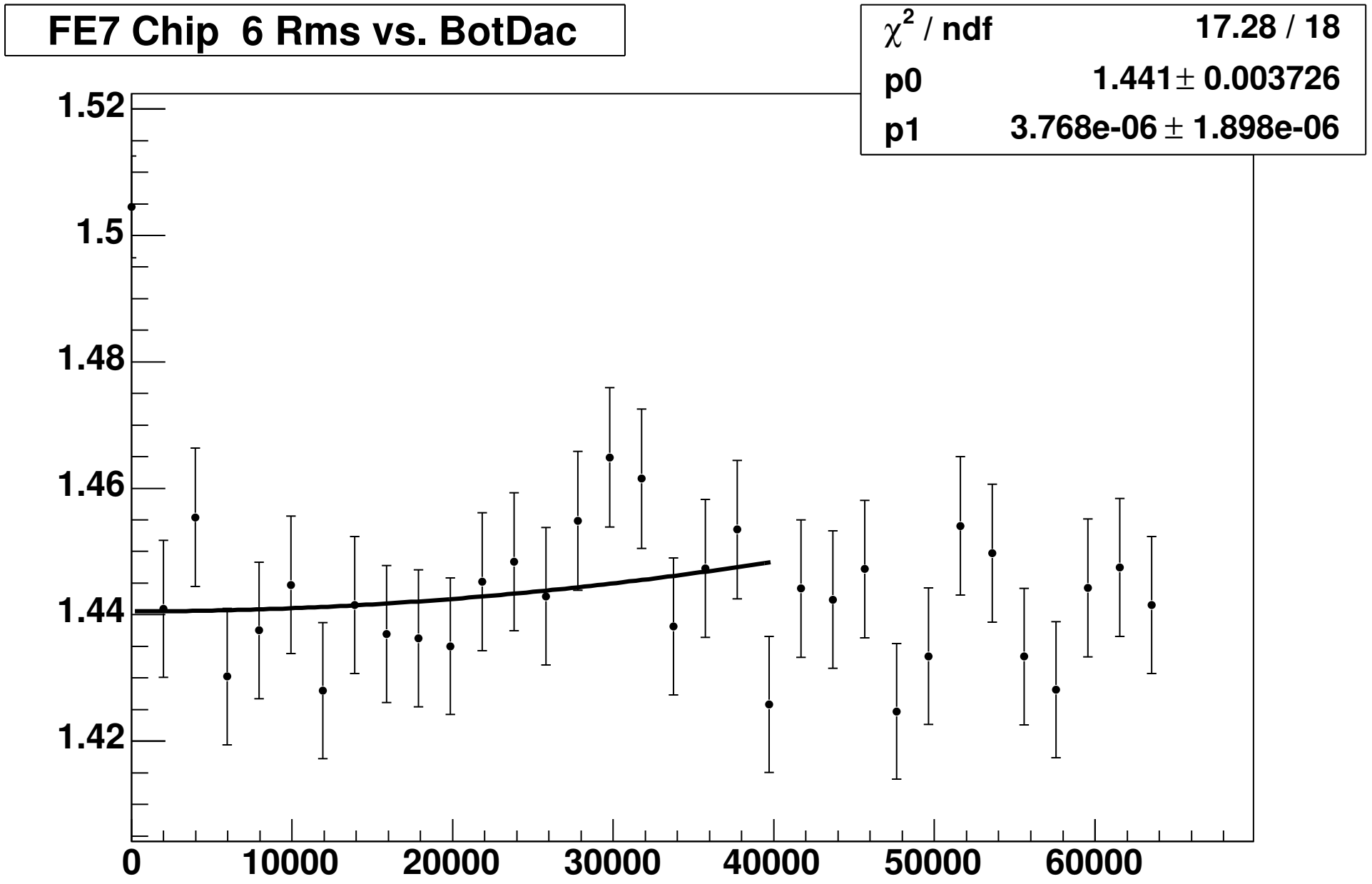

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 2.875e+04 / 18
p0 71.49 ± 0.007157
p1 0.4508 ± 3.325e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

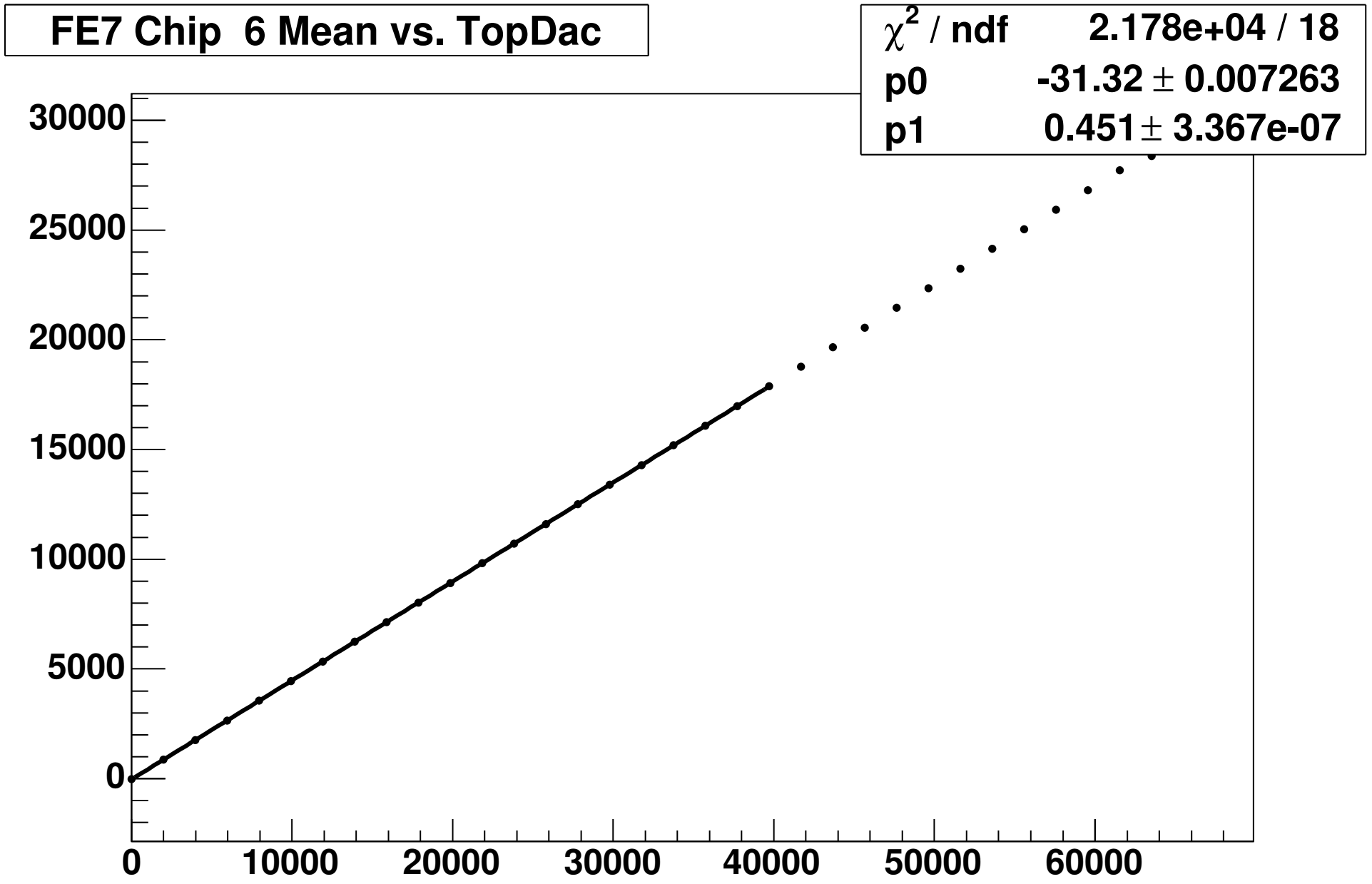

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 364.1 / 18
p0 1.335 ± 0.003884
p1 3.386e-05 ± 2.753e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

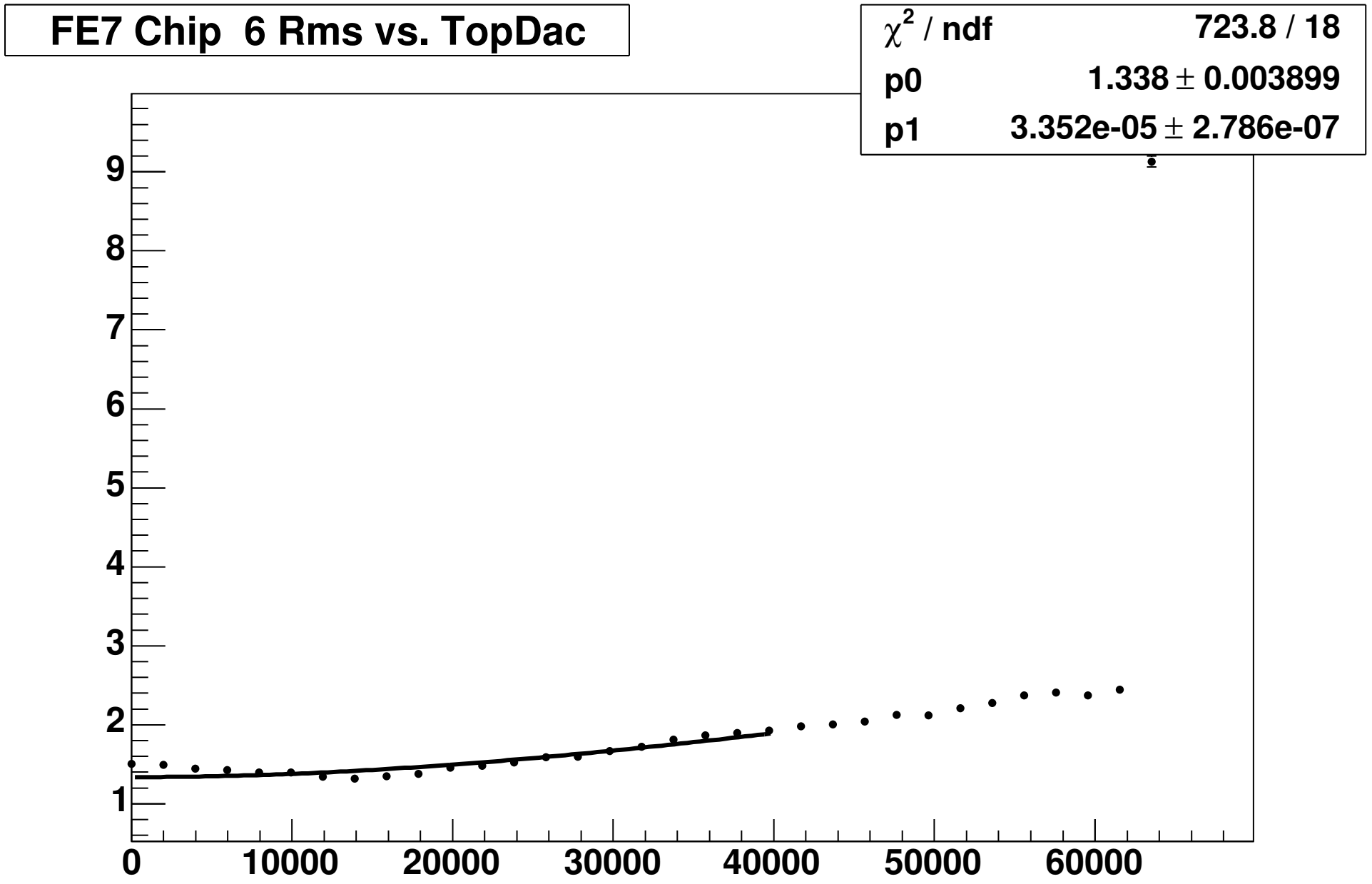

FE7 Chip 5 Mean vs. TopDac
χ^2 / ndf 41.23 / 18
p0 71.76 ± 0.007154
p1 1.136e-06 ± 3e-07
72
71.95
71.9
71.85
71.8
71.75
0
10000
20000
30000
40000
50000
60000

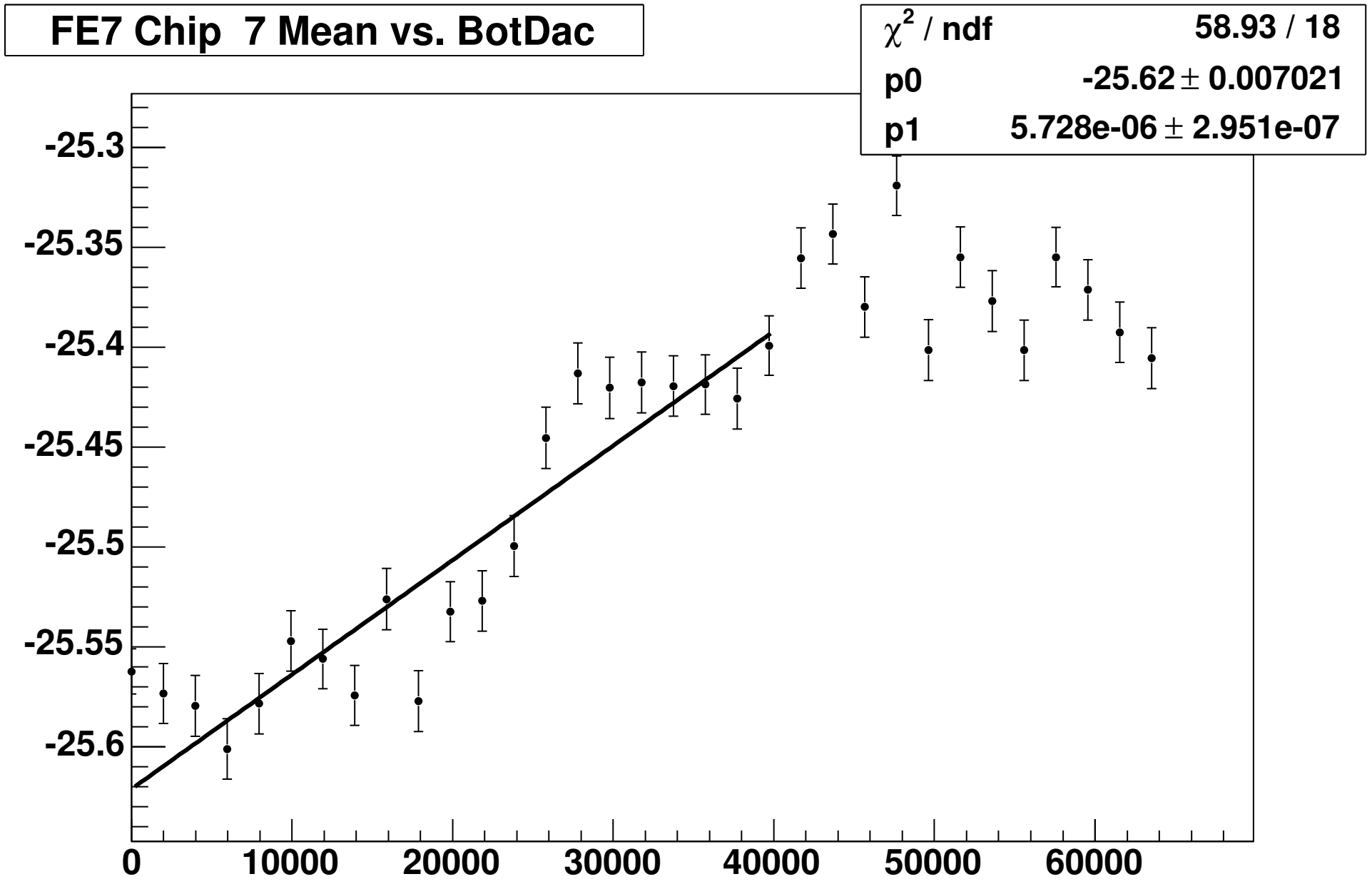

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 18.98 / 18
p0 1.447 ± 0.002433
p1 2.227e-13 ± 1.87e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

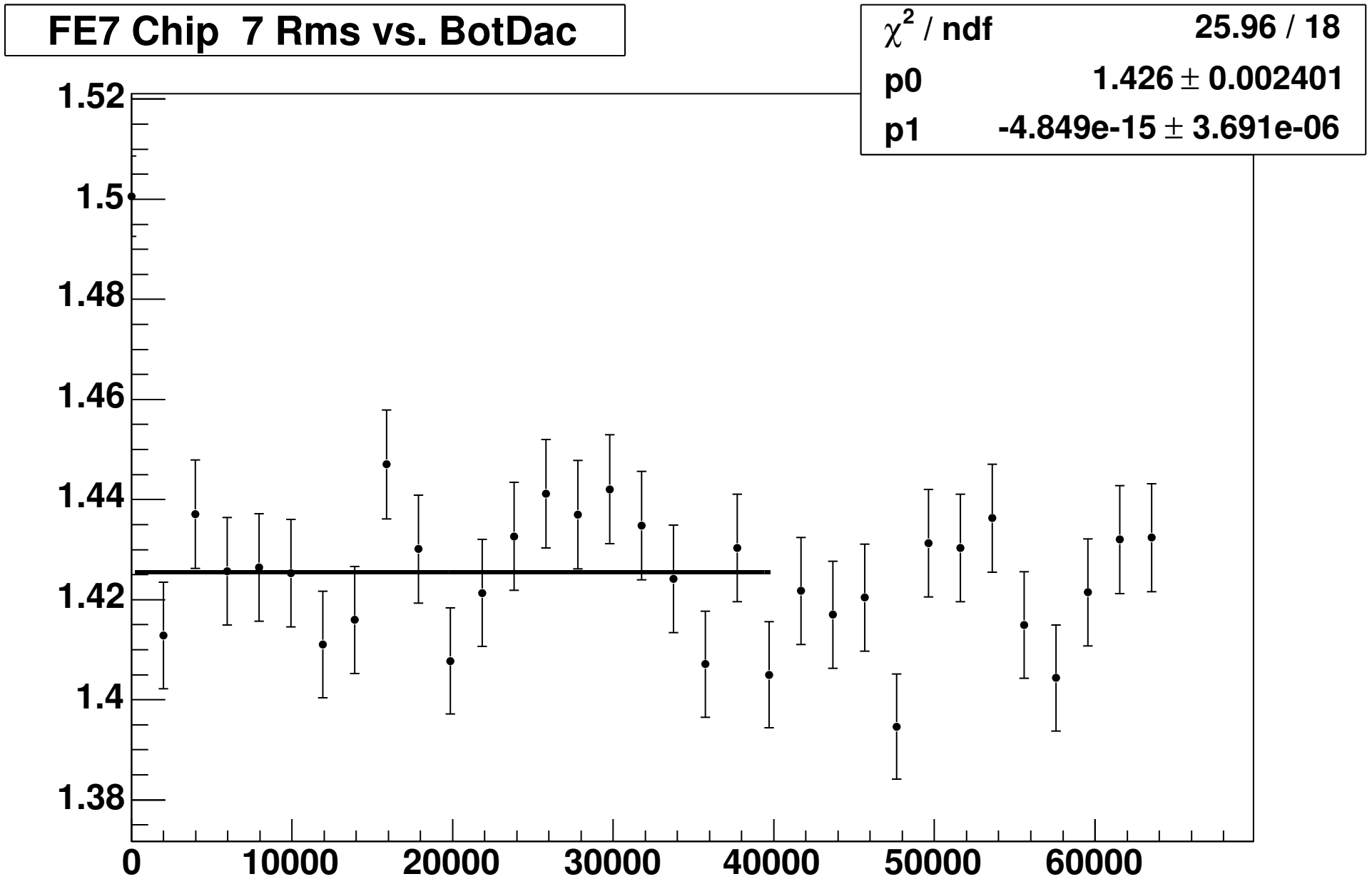

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 57.01 / 18
p0 -29.38 ± 0.007107
p1 5.776e-06 ± 2.993e-07
-29.05
-29.1
-29.15
-29.2
-29.25
-29.3
-29.35
0
10000
20000
30000
40000
50000
60000

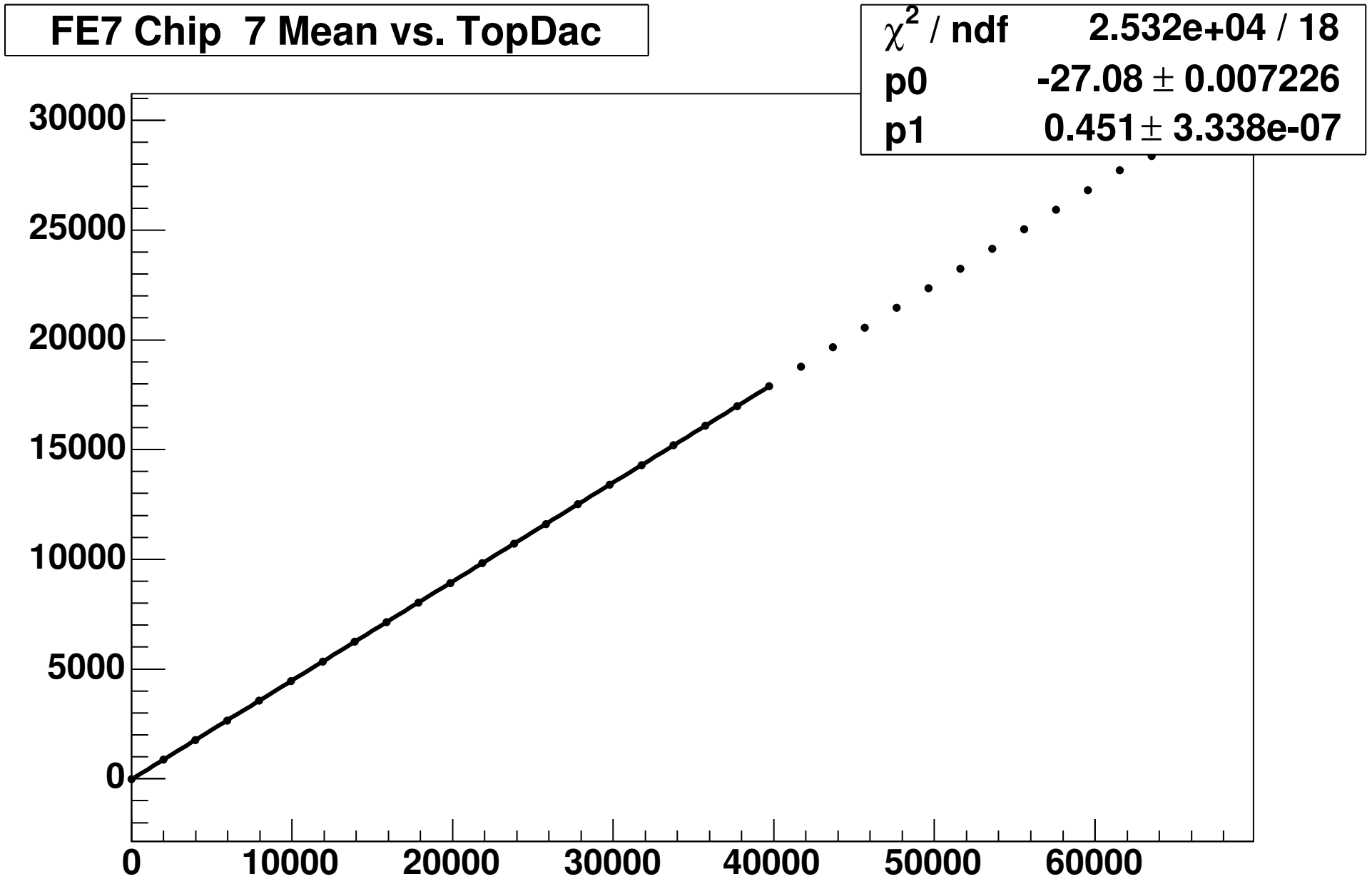

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 17.28 / 18
p0 1.441 ± 0.003726
p1 3.768e-06 ± 1.898e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

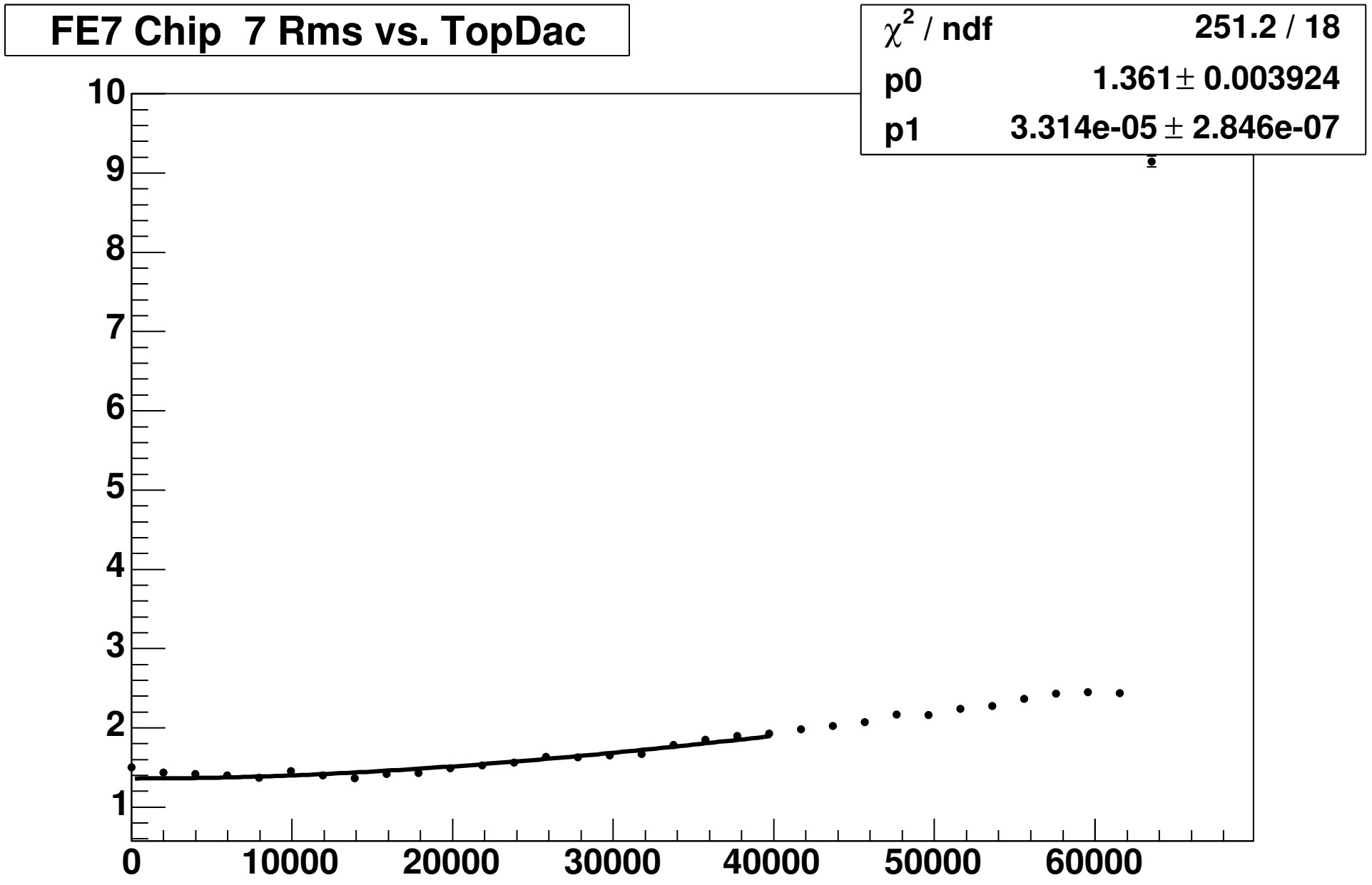

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 2.178e+04 / 18
p0 -31.32 ± 0.007263
p1 0.451 ± 3.367e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

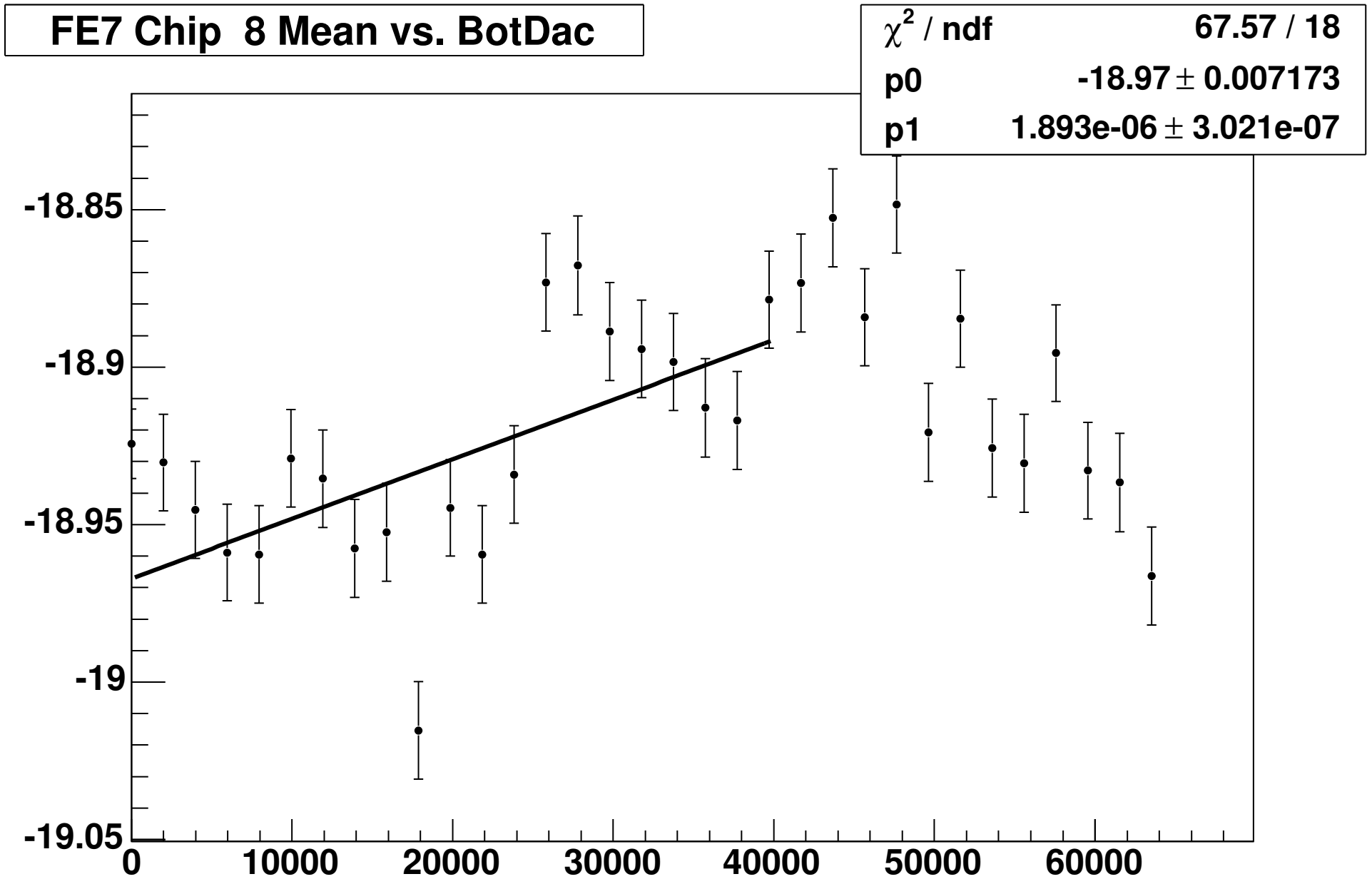

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 723.8 / 18
p0 1.338 ± 0.003899
p1 3.352e-05 ± 2.786e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

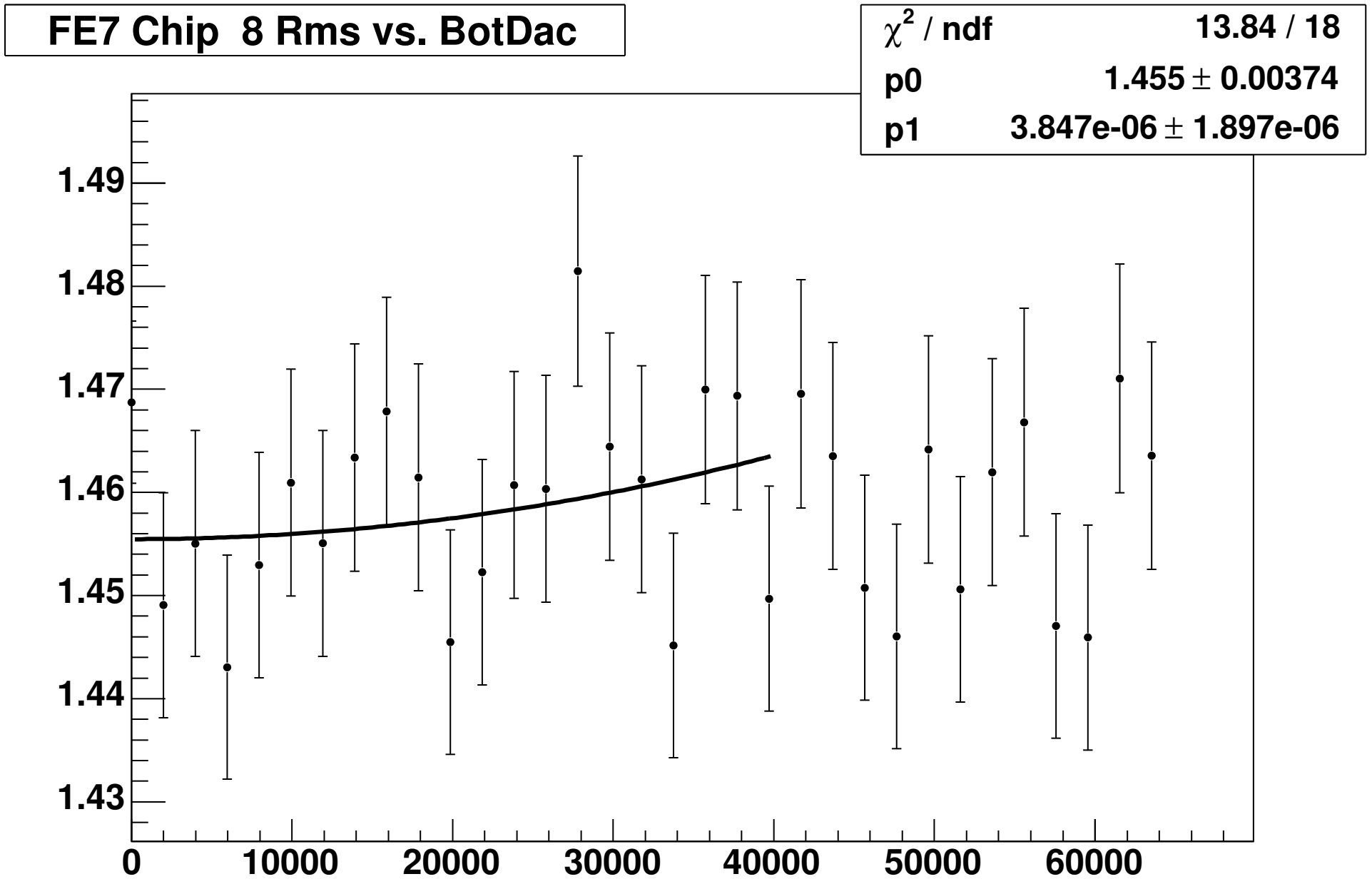

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 58.93 / 18
p0 -25.62 ± 0.007021
p1 5.728e-06 ± 2.951e-07
-25.3
-25.35
-25.4
-25.45
-25.5
-25.55
-25.6
0
10000
20000
30000
40000
50000
60000

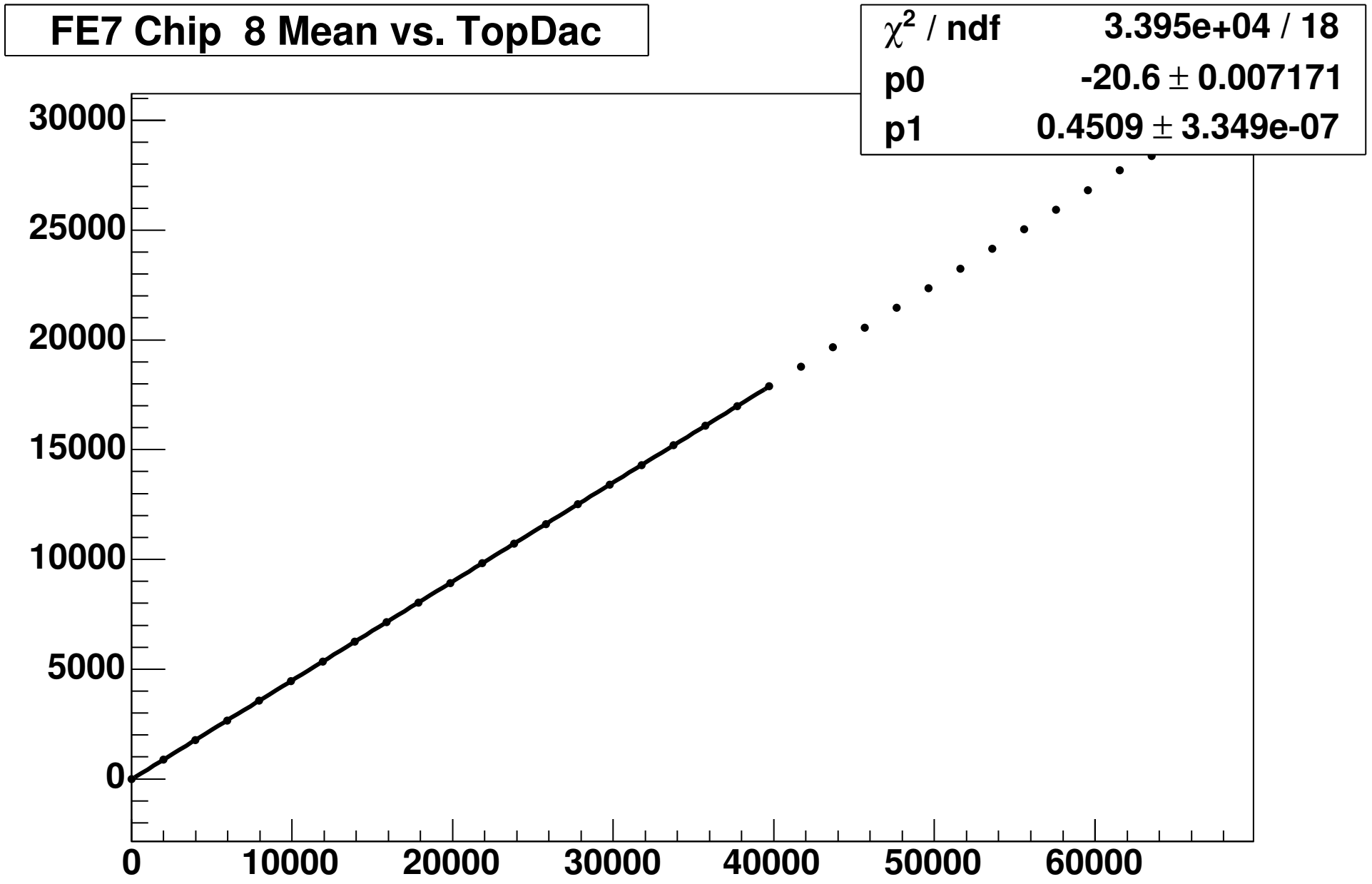

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 25.96 / 18
p0 1.426 ± 0.002401
p1 -4.849e-15 ± 3.691e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

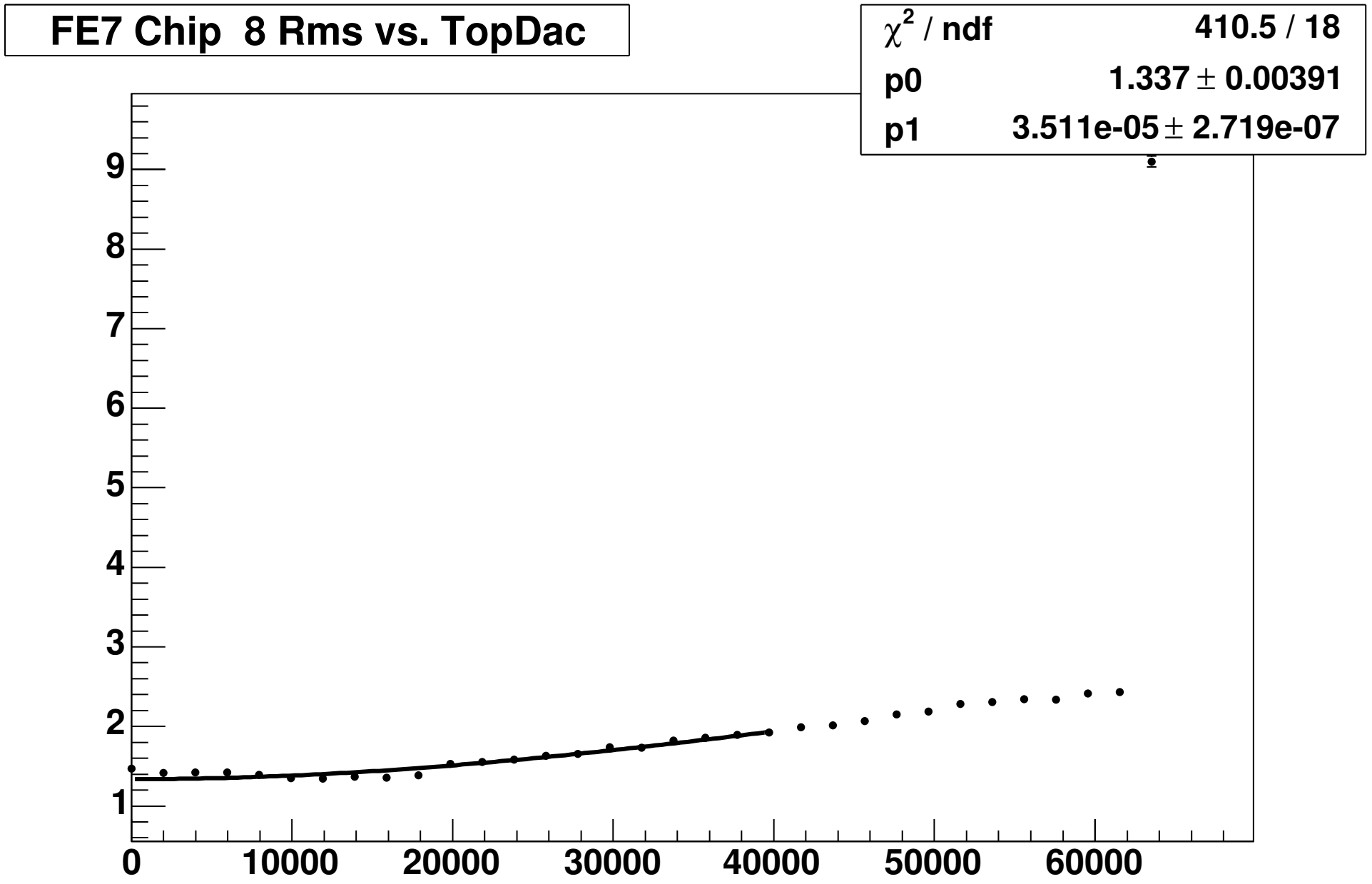

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 2.532e+04 / 18
p0 -27.08 ± 0.007226
p1 0.451 ± 3.338e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

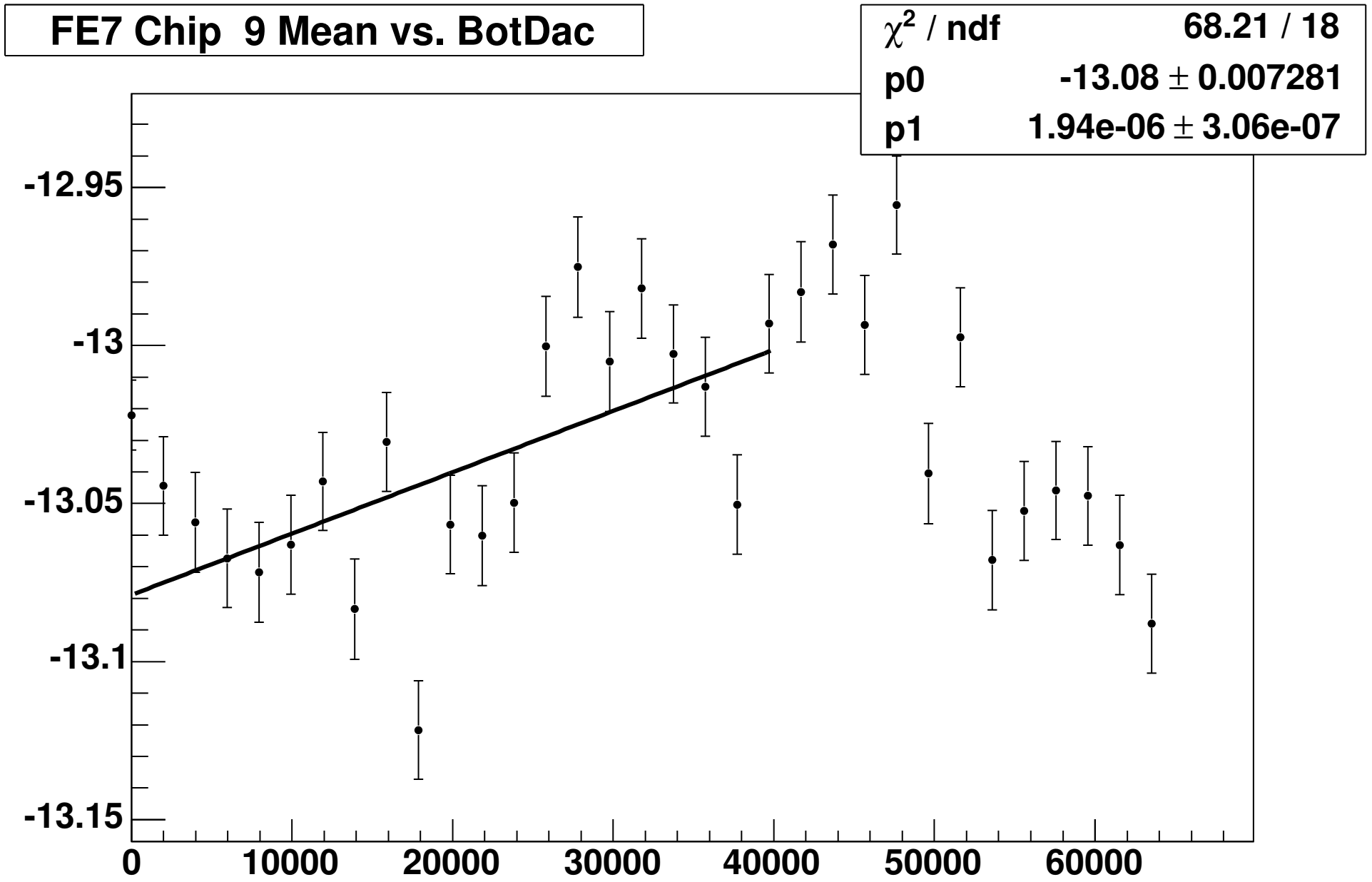

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 251.2 / 18
p0 1.361 ± 0.003924
p1 3.314e-05 ± 2.846e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

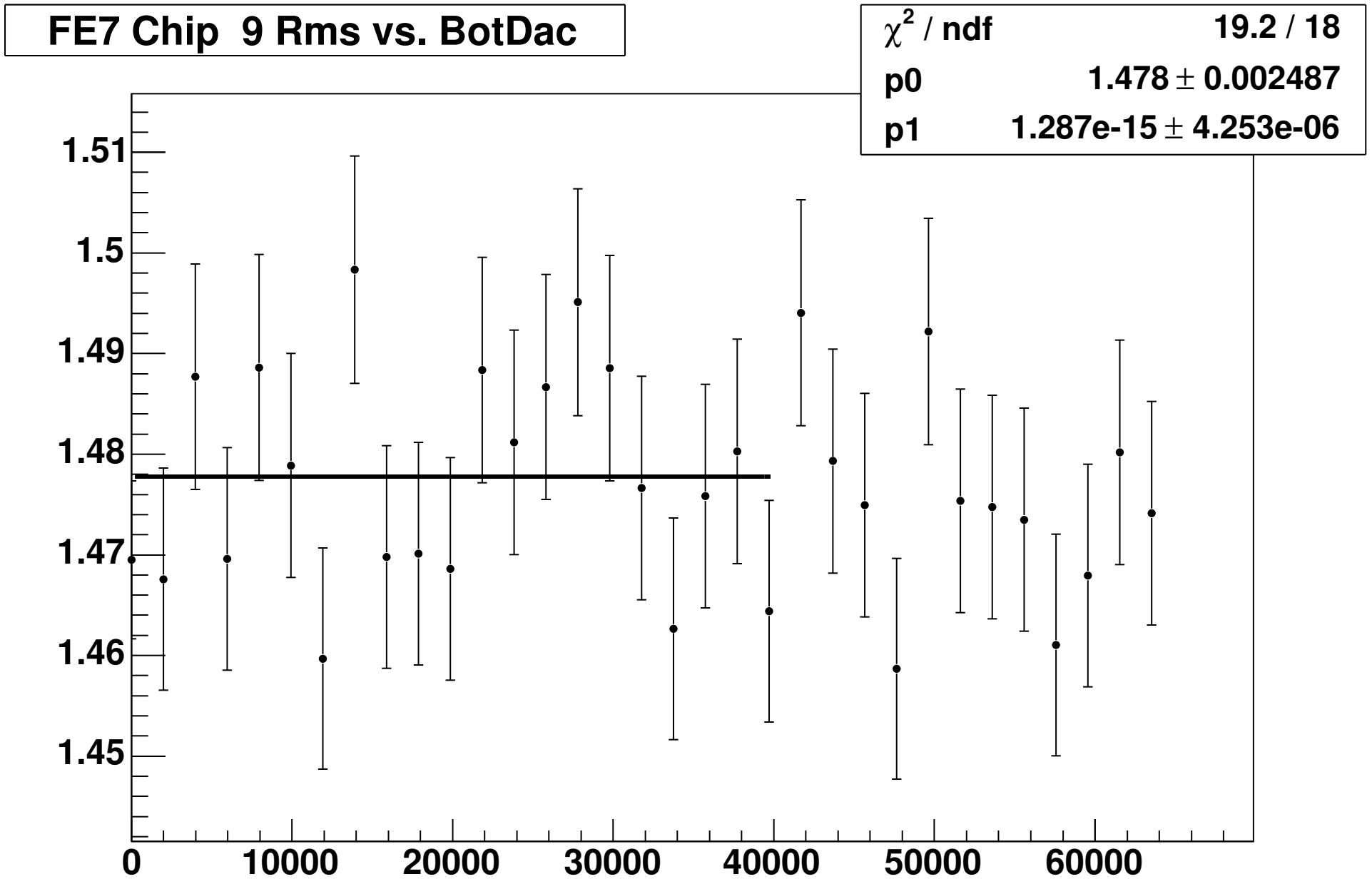

FE7 Chip 8 Mean vs. BotDac
χ^2 / ndf 67.57 / 18
p0 -18.97 ± 0.007173
p1 1.893e-06 ± 3.021e-07
-18.85
-18.9
-18.95
-19
-19.05
0
10000
20000
30000
40000
50000
60000

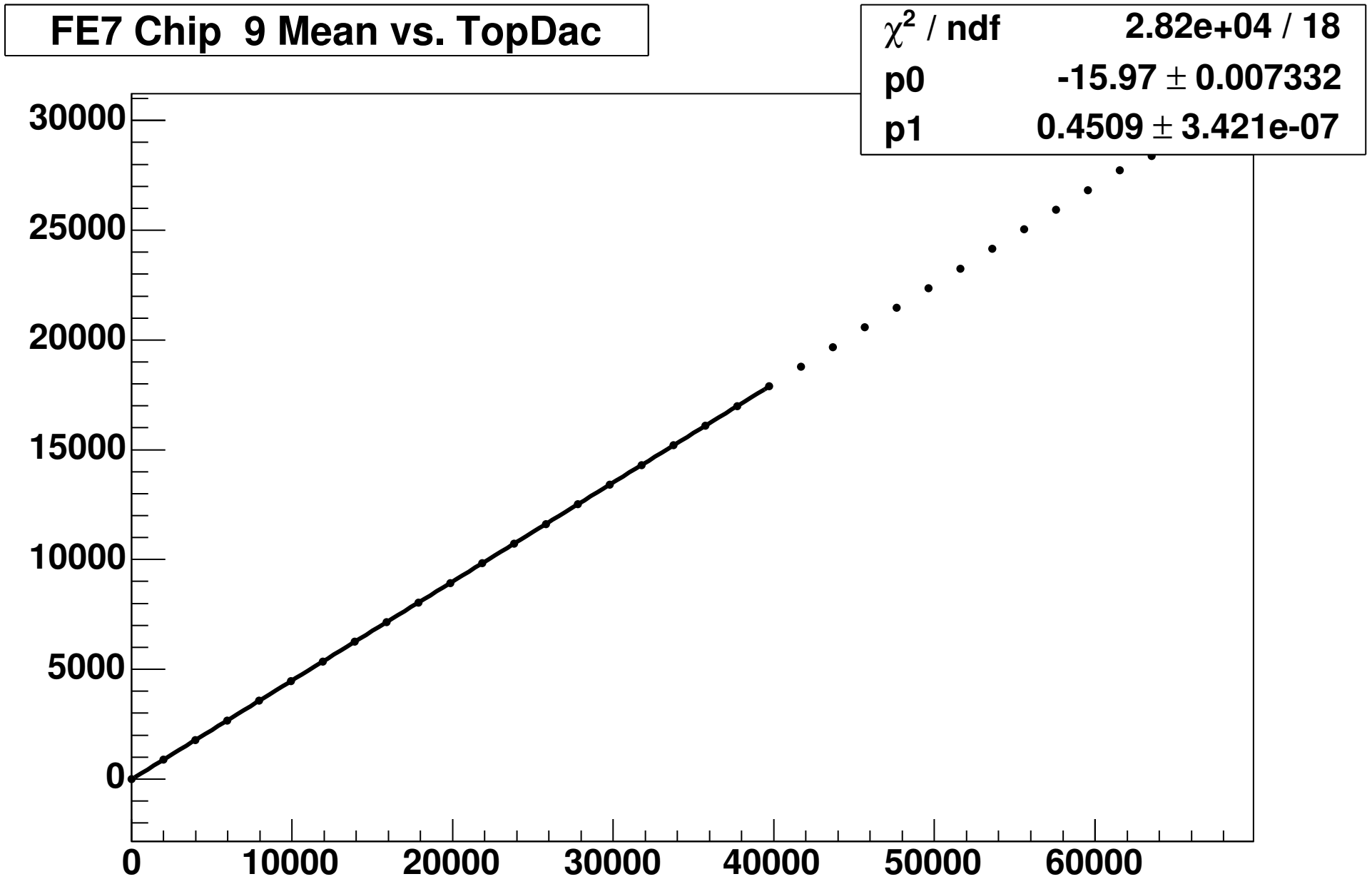

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 13.84 / 18
p0 1.455 ± 0.00374
p1 3.847e-06 ± 1.897e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

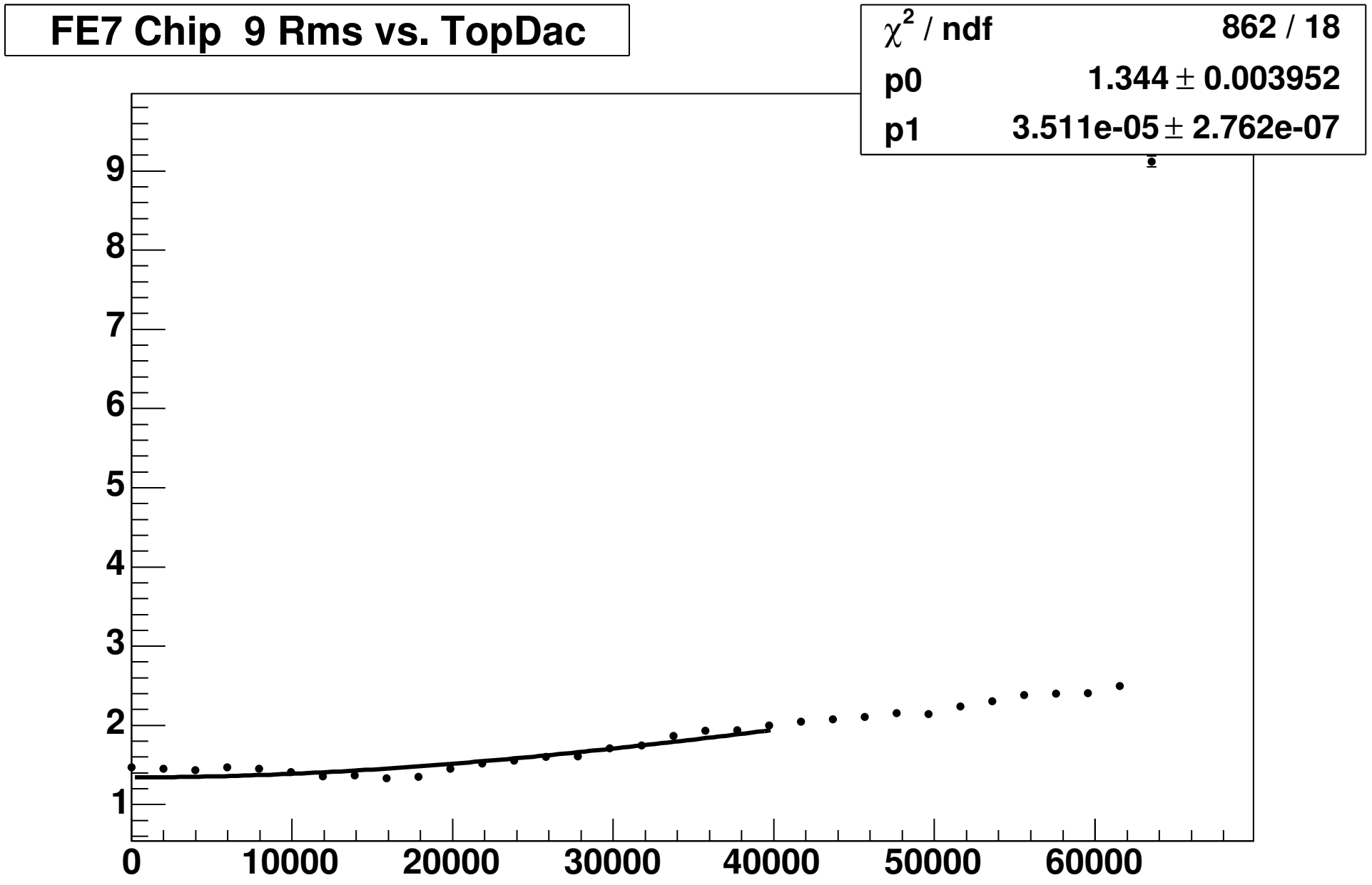

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 3.395e+04 / 18
p0 -20.6 ± 0.007171
p1 0.4509 ± 3.349e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

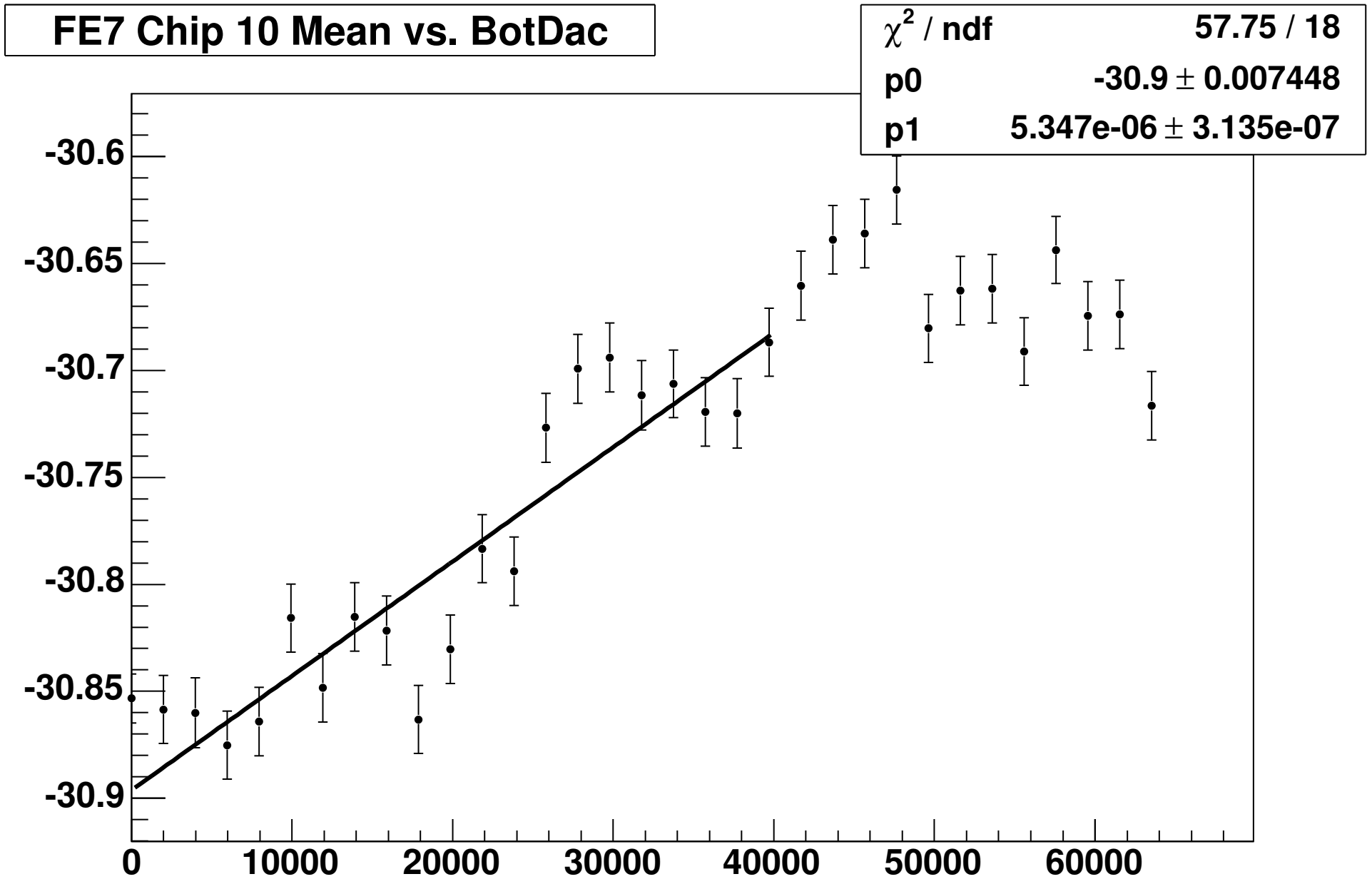

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 410.5 / 18
p0 1.337 ± 0.00391
p1 3.511e-05 ± 2.719e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

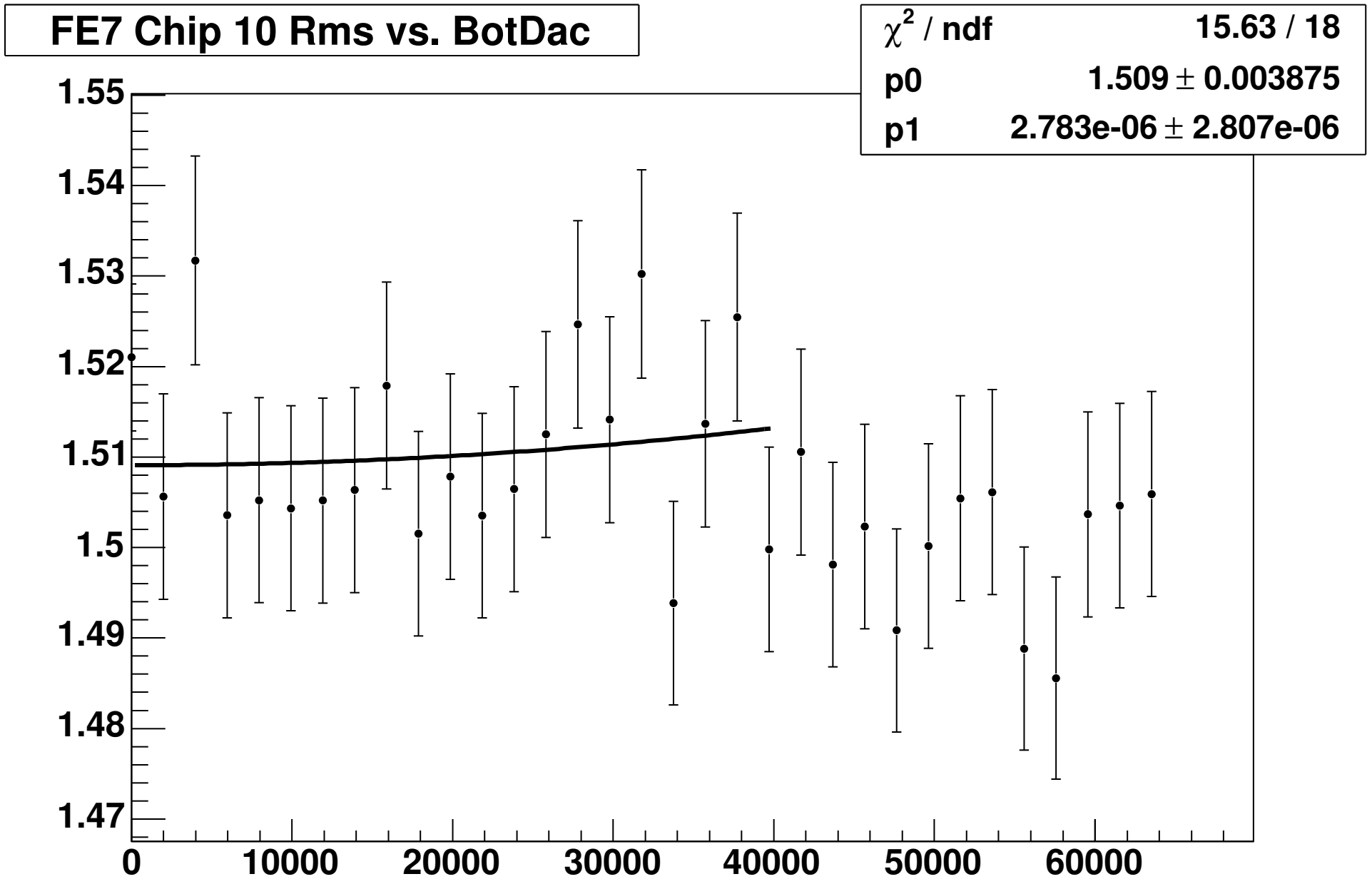

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 68.21 / 18
p0 -13.08 ± 0.007281
p1 1.94e-06 ± 3.06e-07
-12.95
-13
-13.05
-13.1
-13.15
0
10000
20000
30000
40000
50000
60000

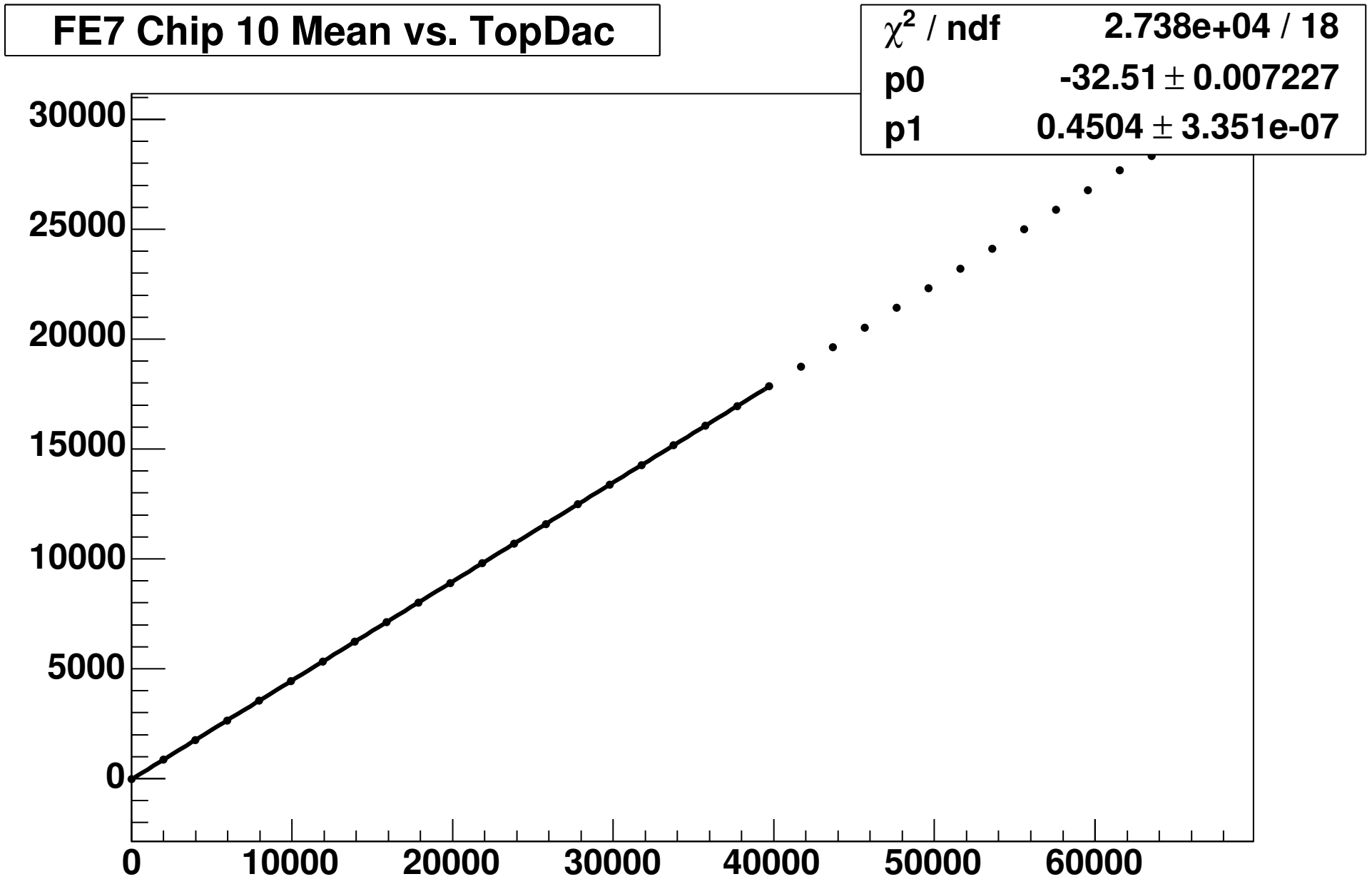

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 19.2 / 18
p0 1.478 ± 0.002487
p1 1.287e-15 ± 4.253e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

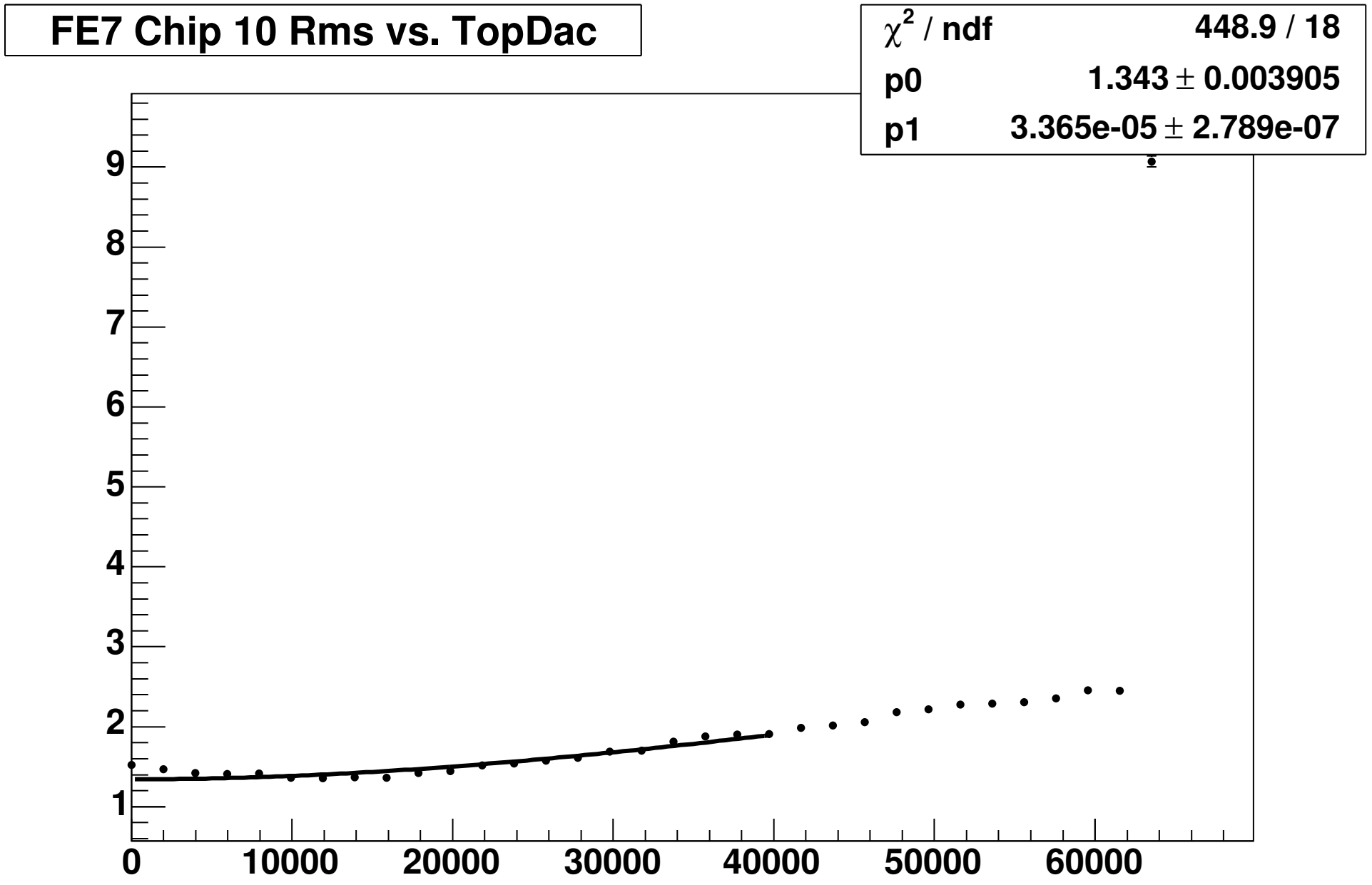

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 2.82e+04 / 18
p0 -15.97 ± 0.007332
p1 0.4509 ± 3.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

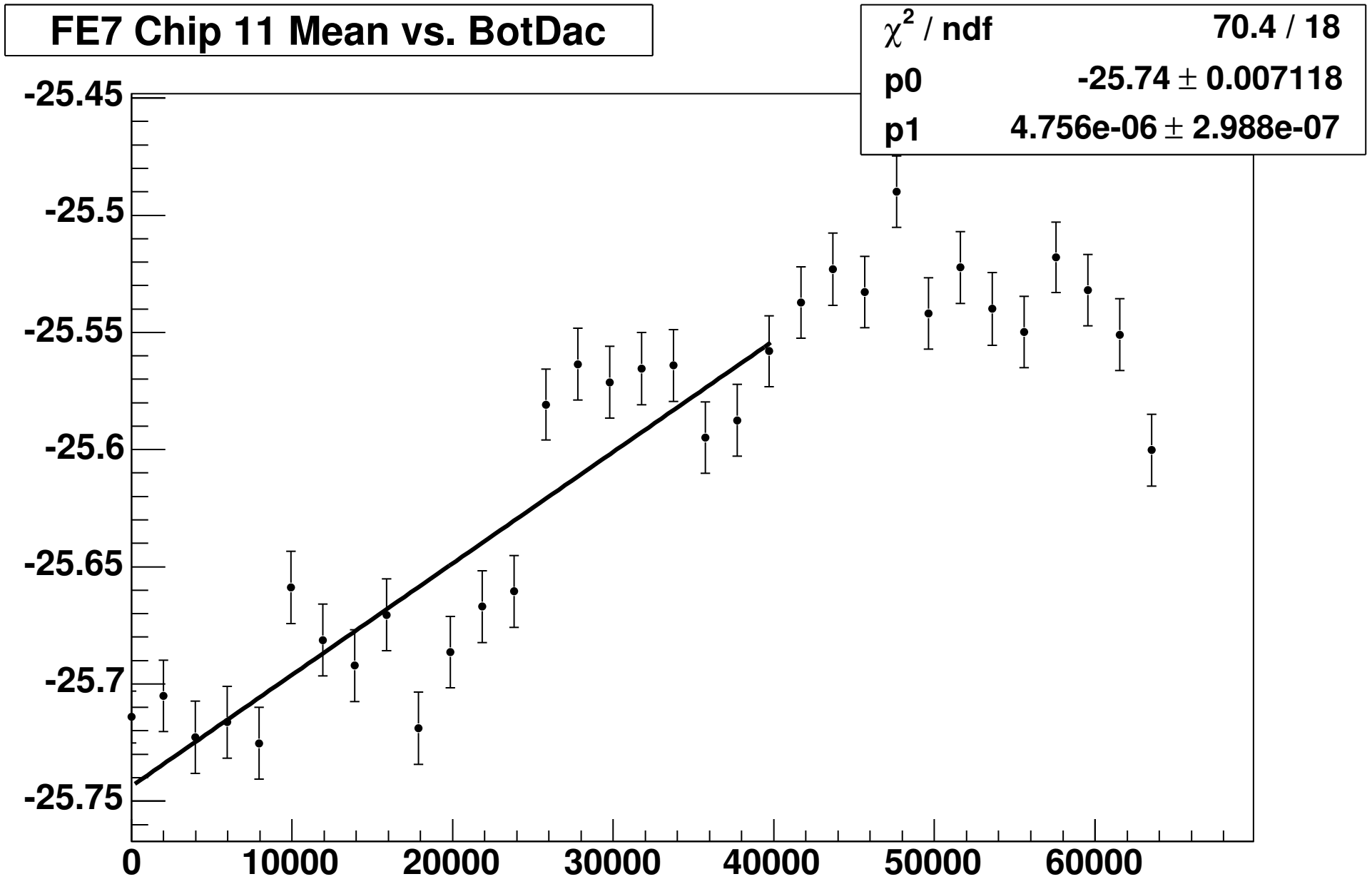

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 862 / 18
p0 1.344 ± 0.003952
p1 3.511e-05 ± 2.762e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

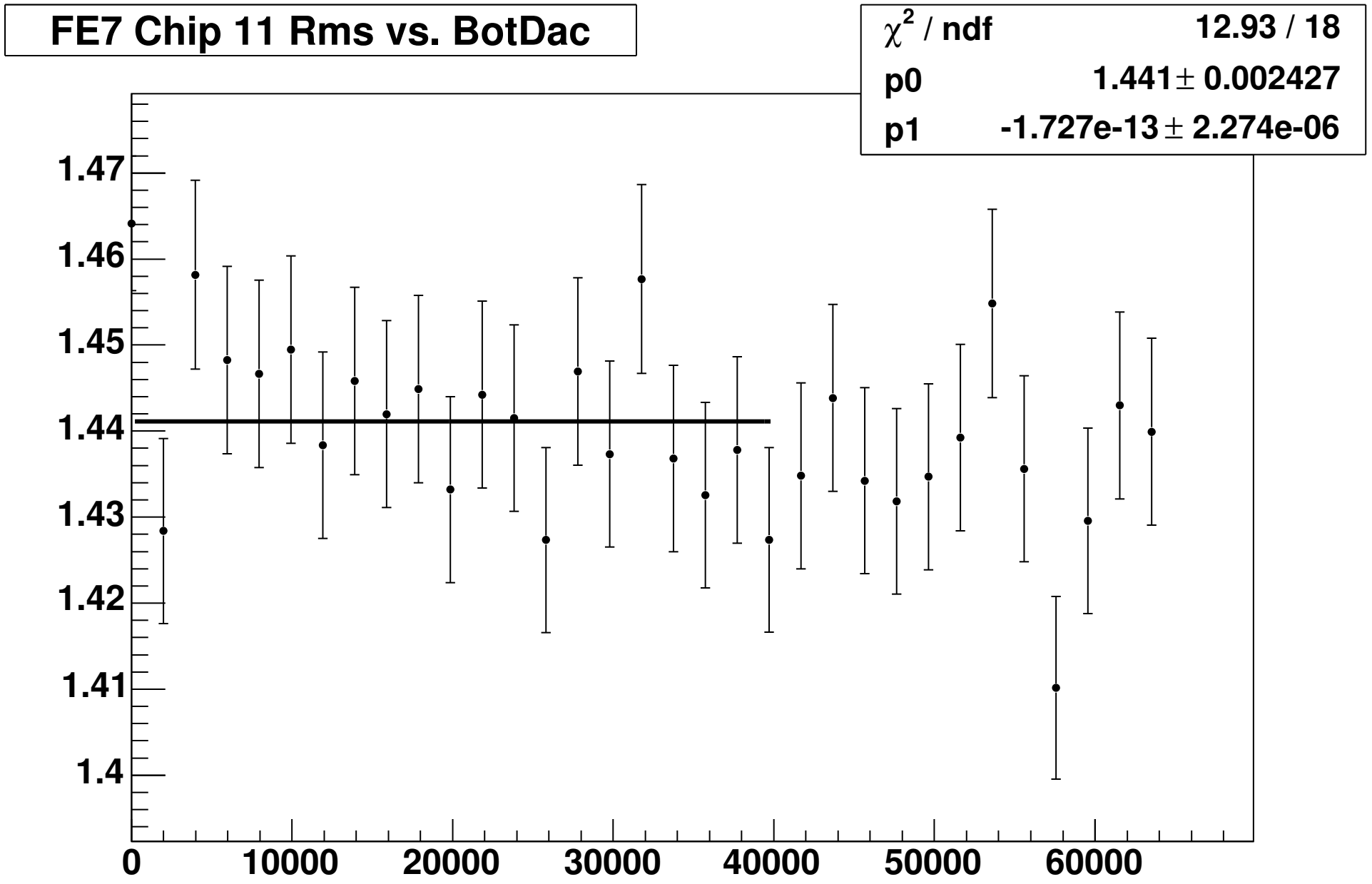

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 57.75 / 18
p0 -30.9 ± 0.007448
p1 5.347e-06 ± 3.135e-07
-30.6
-30.65
-30.7
-30.75
-30.8
-30.85
-30.9
0
10000
20000
30000
40000
50000
60000

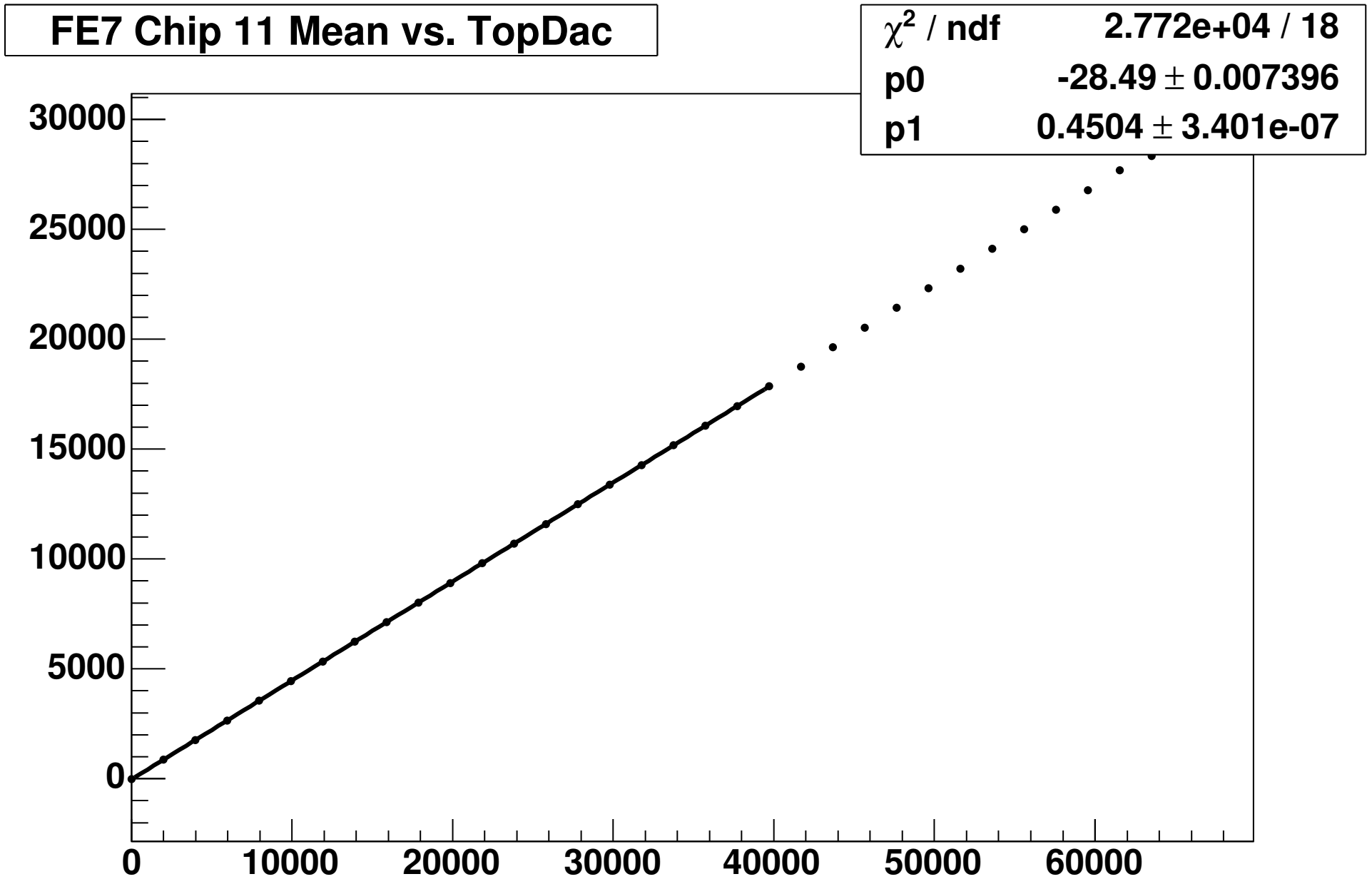

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 15.63 / 18
p0 1.509 ± 0.003875
p1 2.783e-06 ± 2.807e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

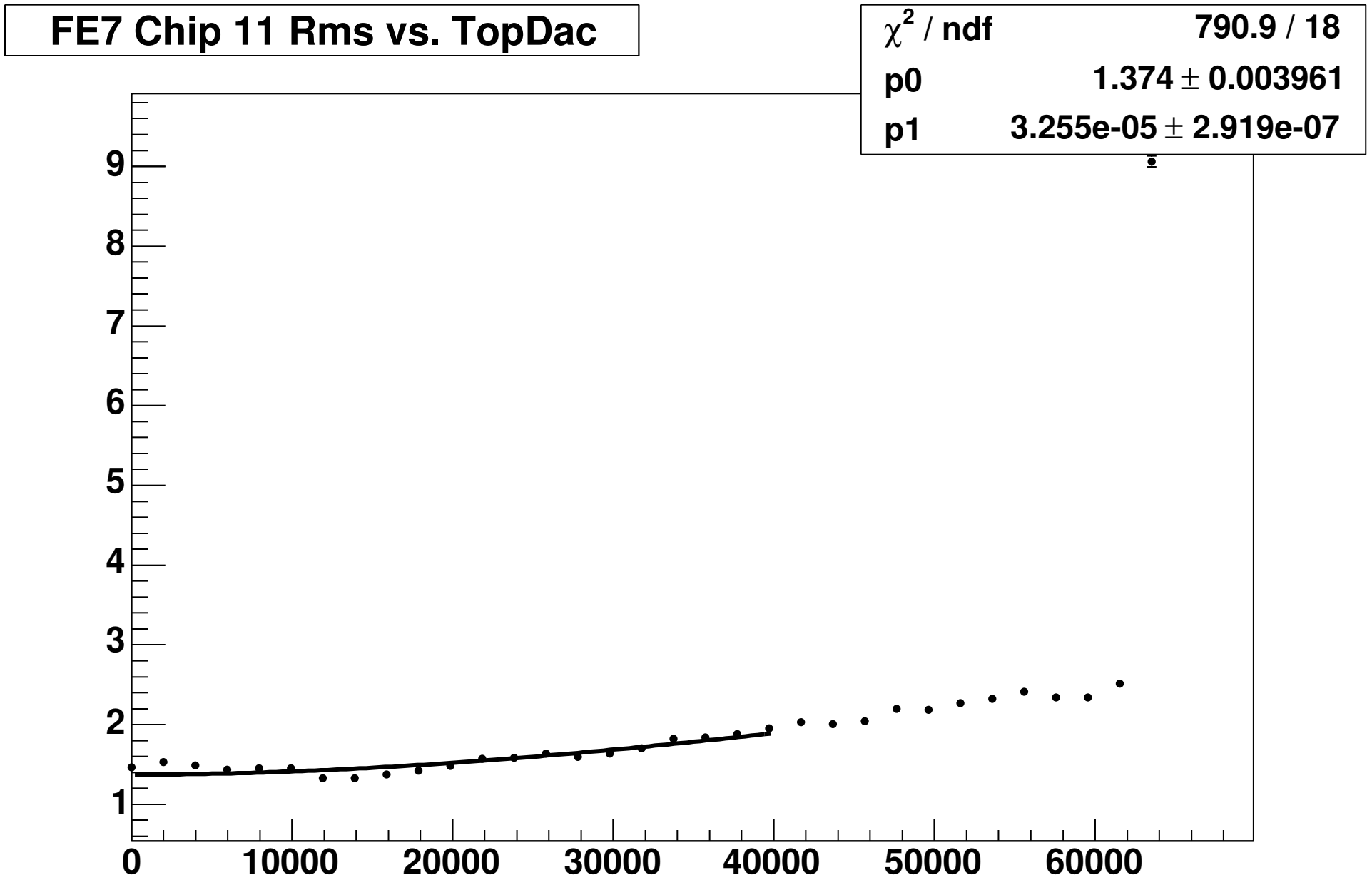

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 2.738e+04 / 18
p0 -32.51 ± 0.007227
p1 0.4504 ± 3.351e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

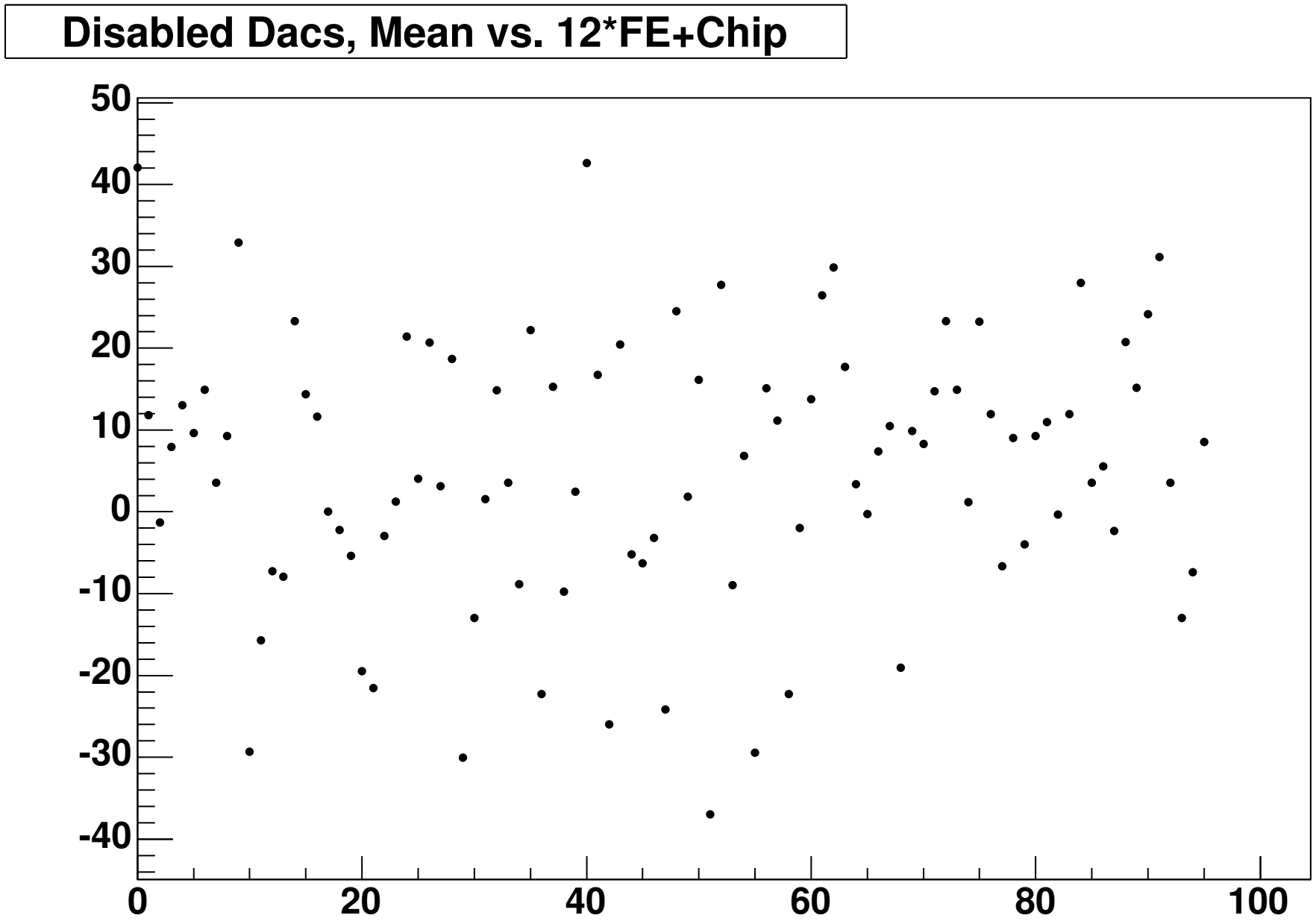

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 448.9 / 18
p0 1.343 ± 0.003905
p1 3.365e-05 ± 2.789e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

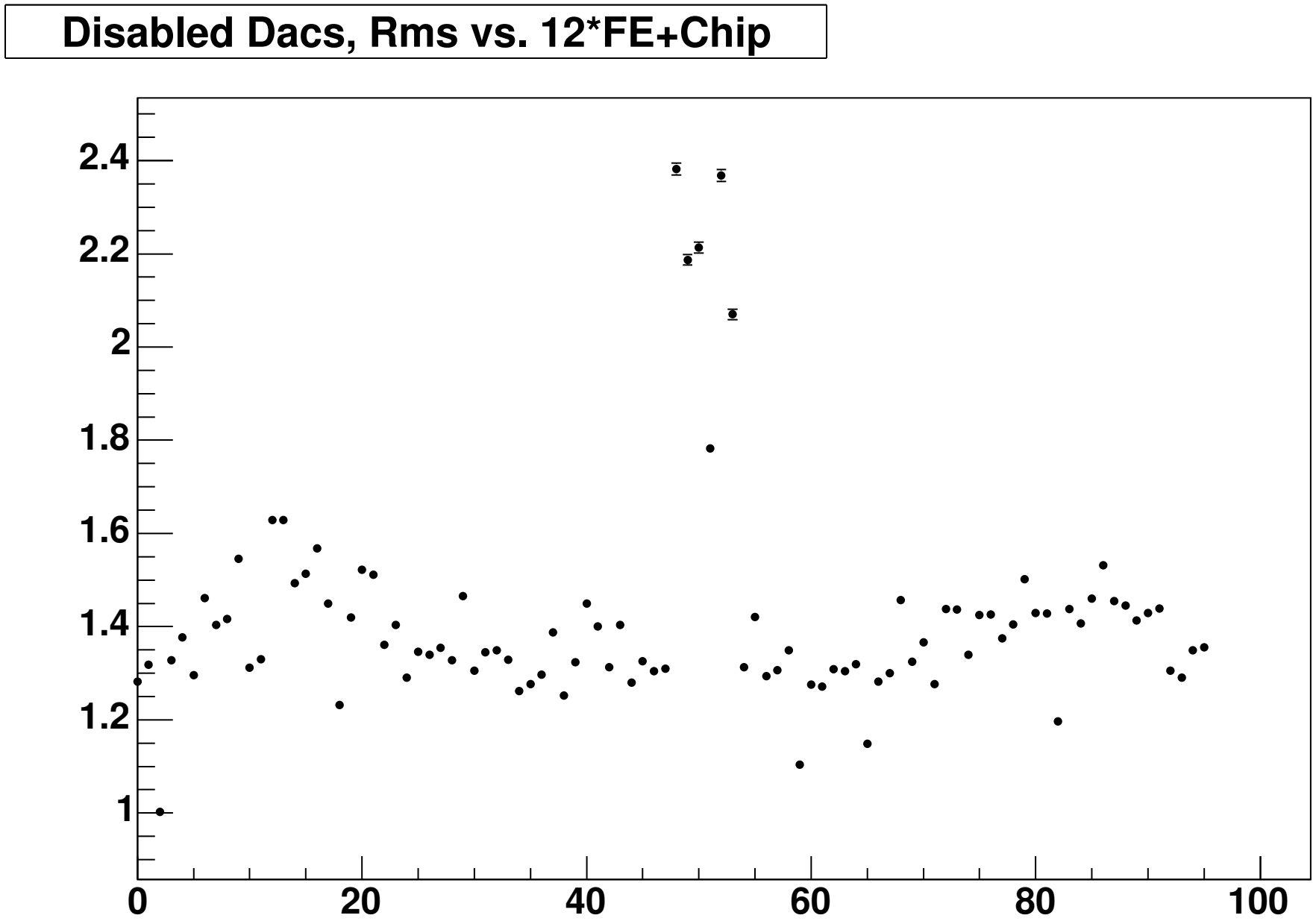

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 70.4 / 18
p0 -25.74 ± 0.007118
p1 4.756e-06 ± 2.988e-07
-25.45
-25.5
-25.55
-25.6
-25.65
-25.7
-25.75
0
10000
20000
30000
40000
50000
60000

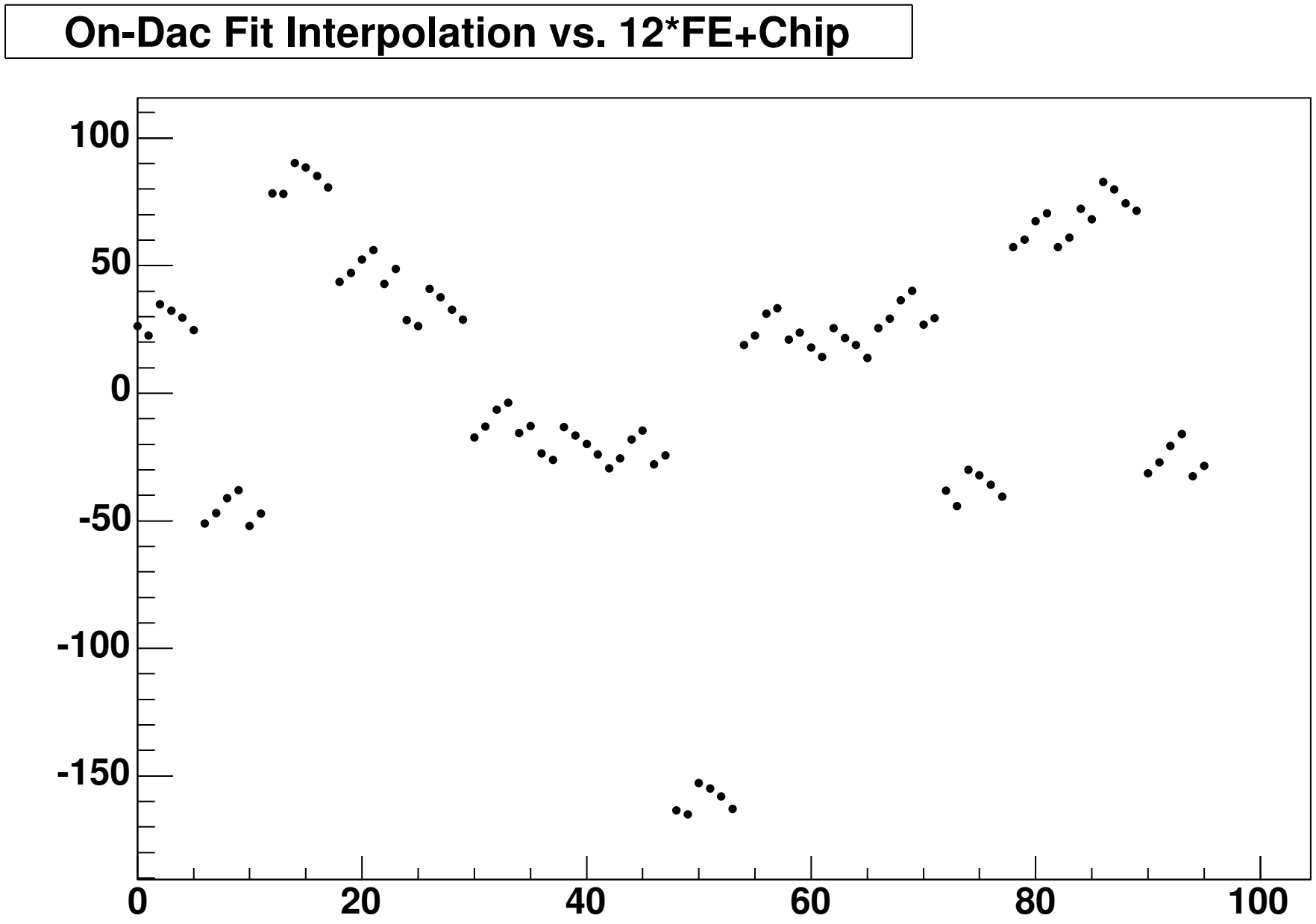

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 12.93 / 18
p0 1.441 ± 0.002427
p1 -1.727e-13 ± 2.274e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000

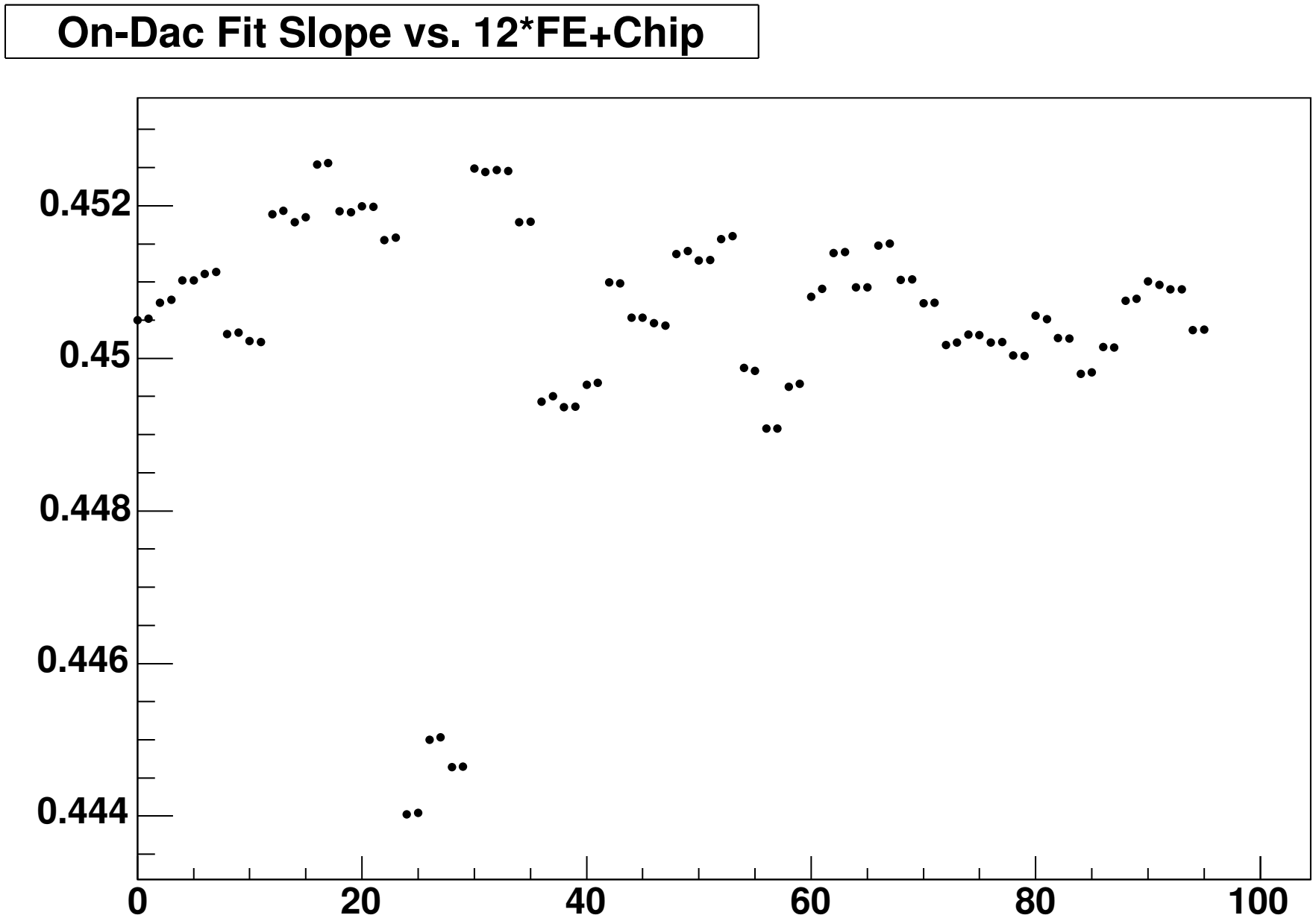

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 2.772e+04 / 18
p0 -28.49 ± 0.007396
p1 0.4504 ± 3.401e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

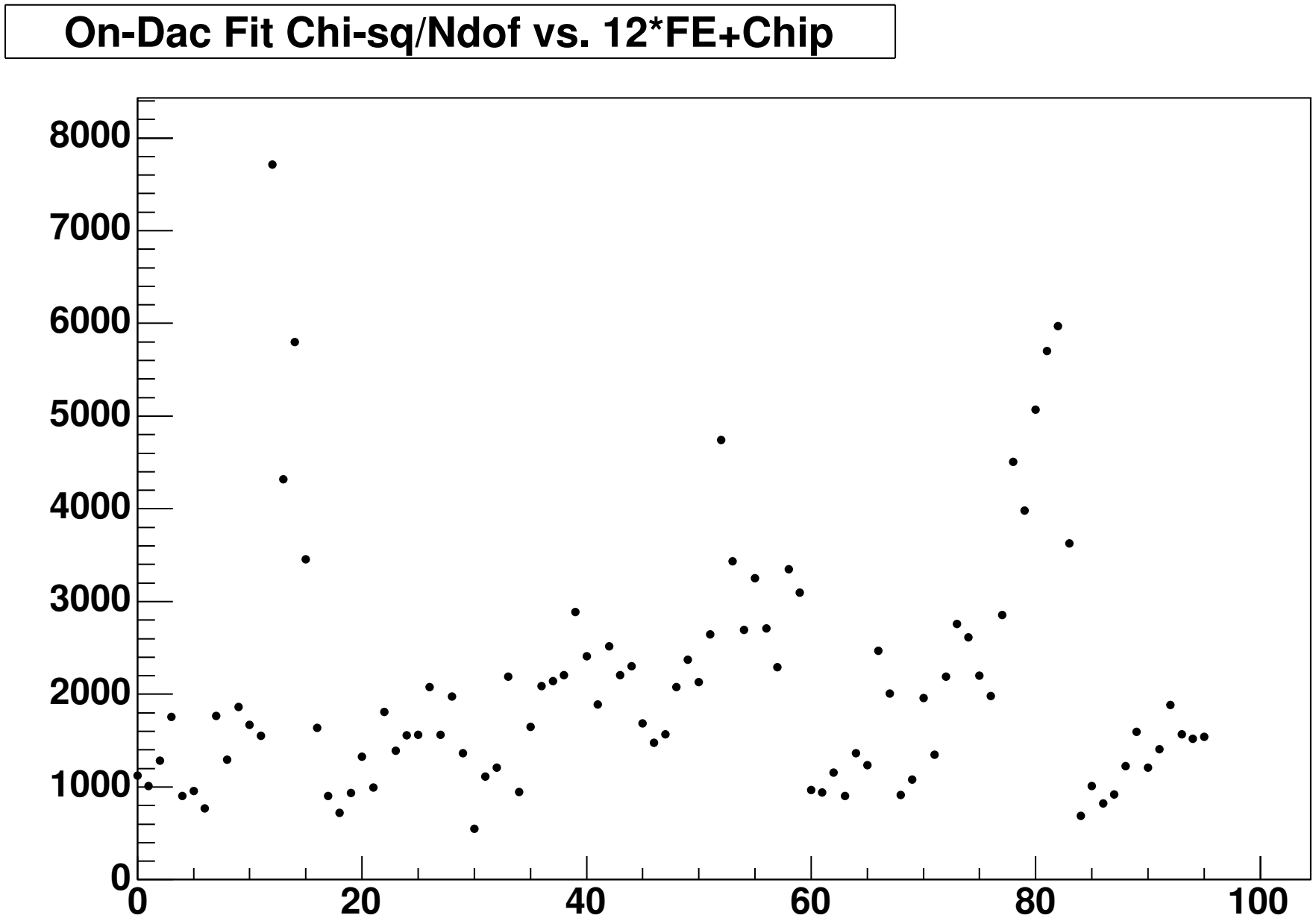

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 790.9 / 18
p0 1.374 ± 0.003961
p1 3.255e-05 ± 2.919e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

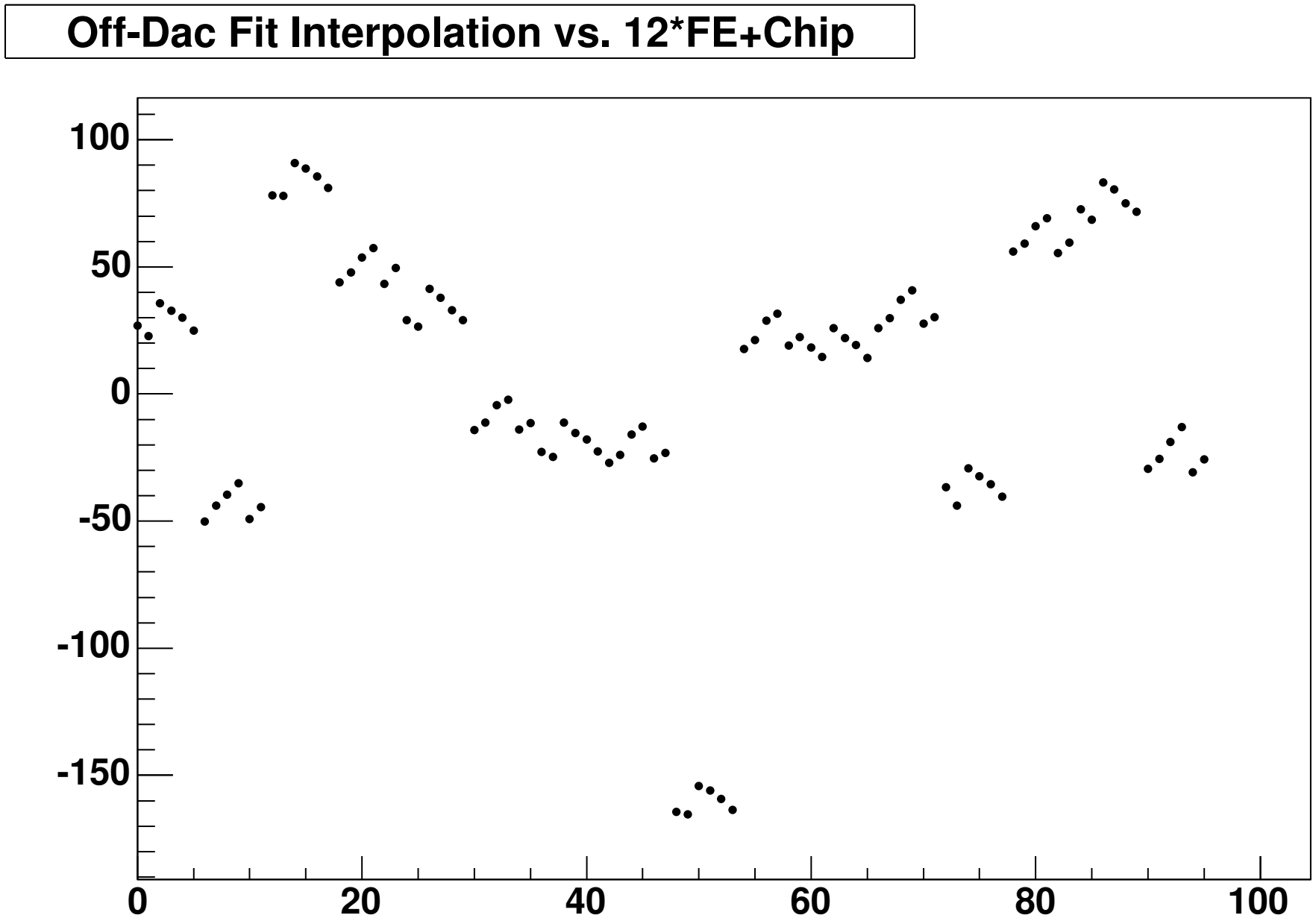

Disabled Dacs, Mean vs. 12*FE+Chip
50
40
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

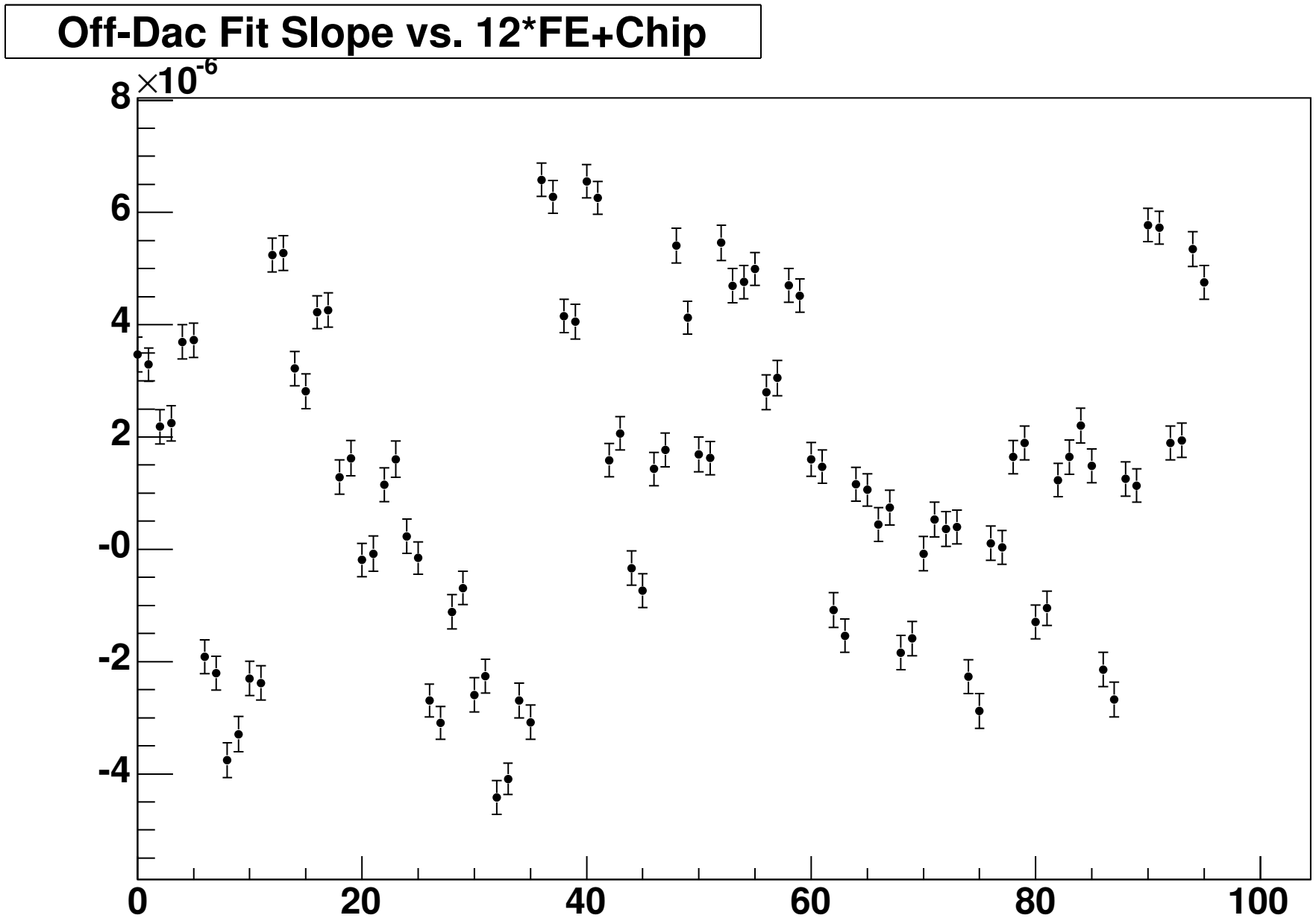

Disabled Dacs, Rms vs. 12*FE+Chip
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
20
40
60
80
100

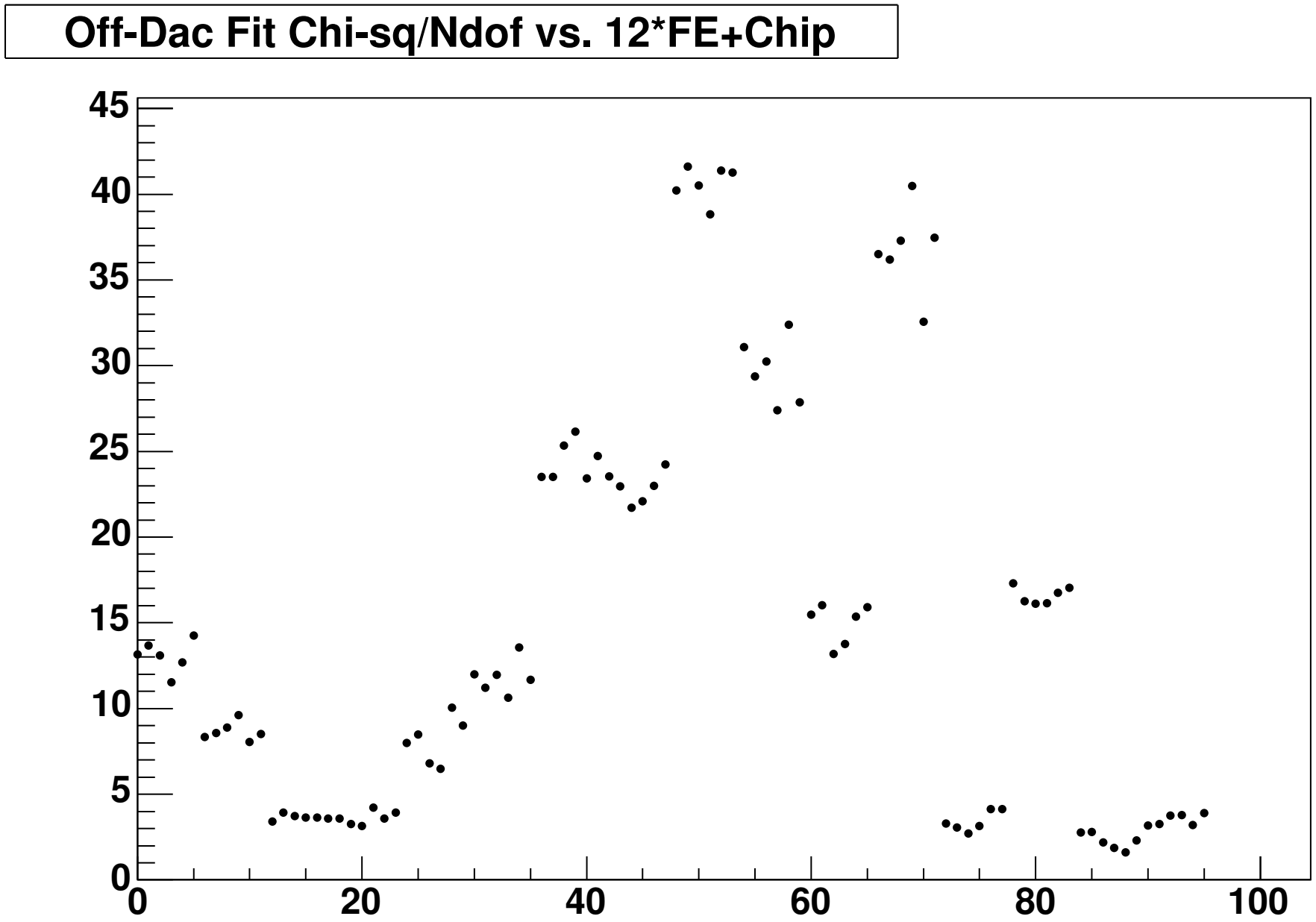

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
-150
0
20
40
60
80
100

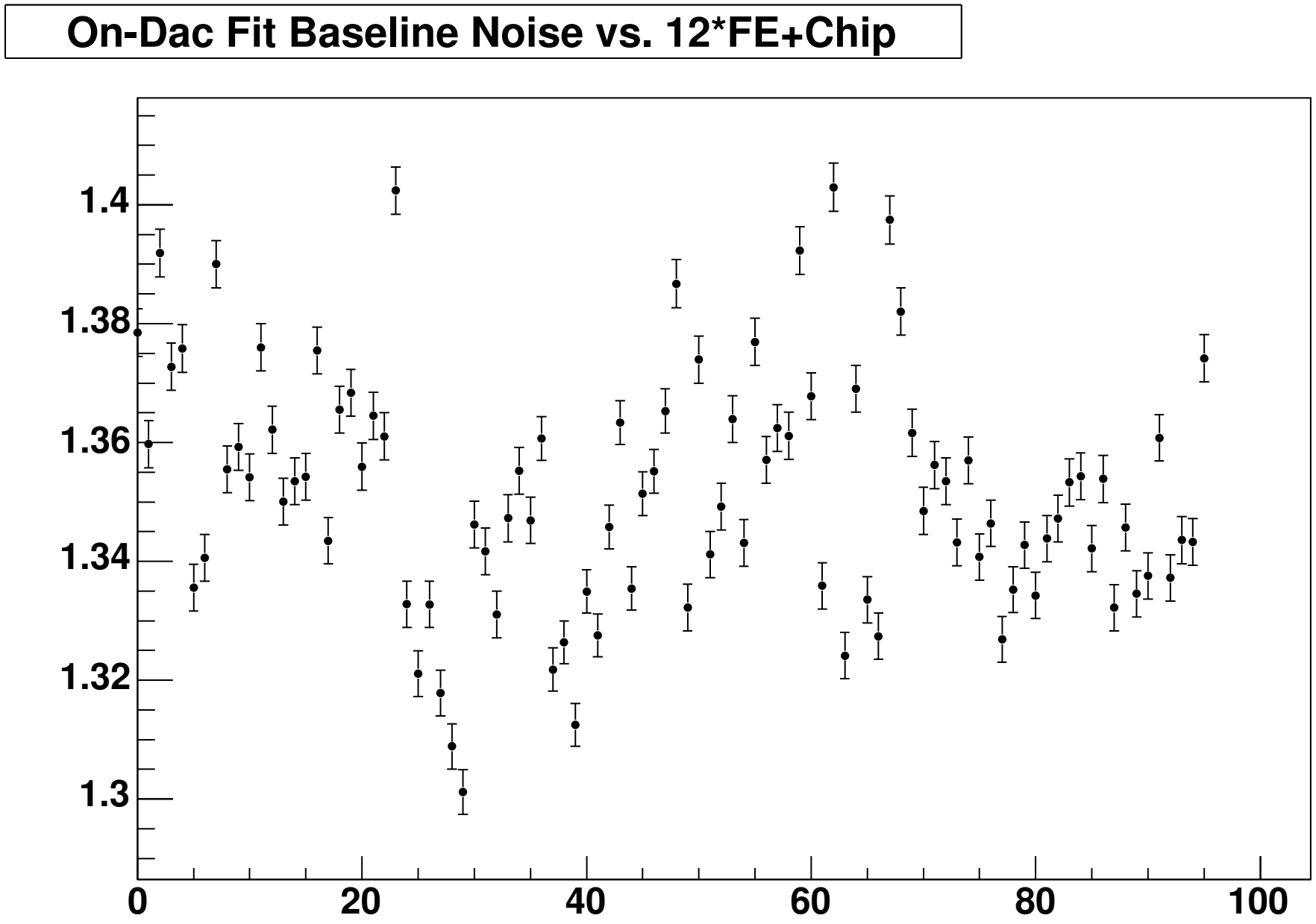

On-Dac Fit Slope vs. 12*FE+Chip
0.452
0.45
0.448
0.446
0.444
0
20
40
60
80
100

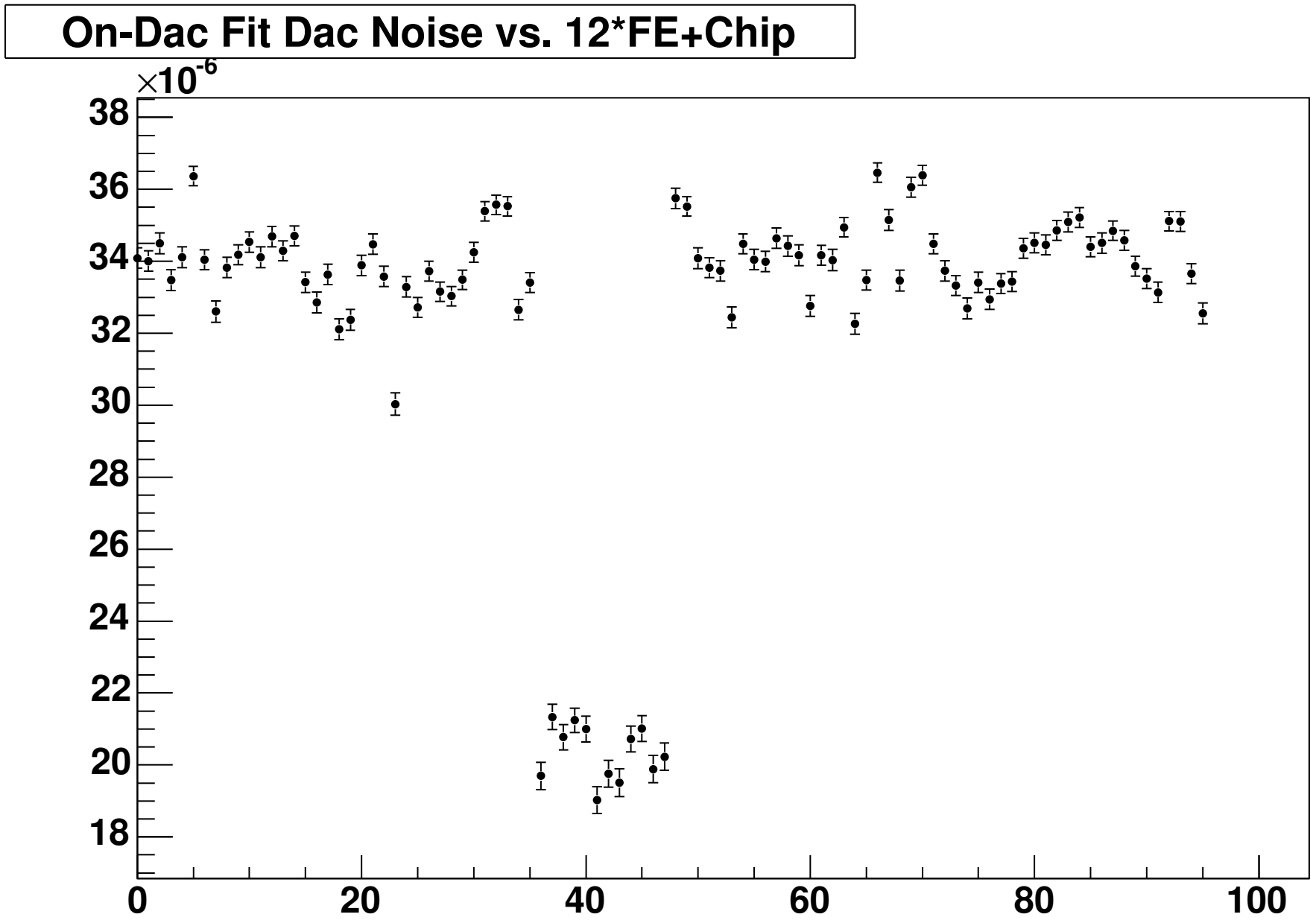

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

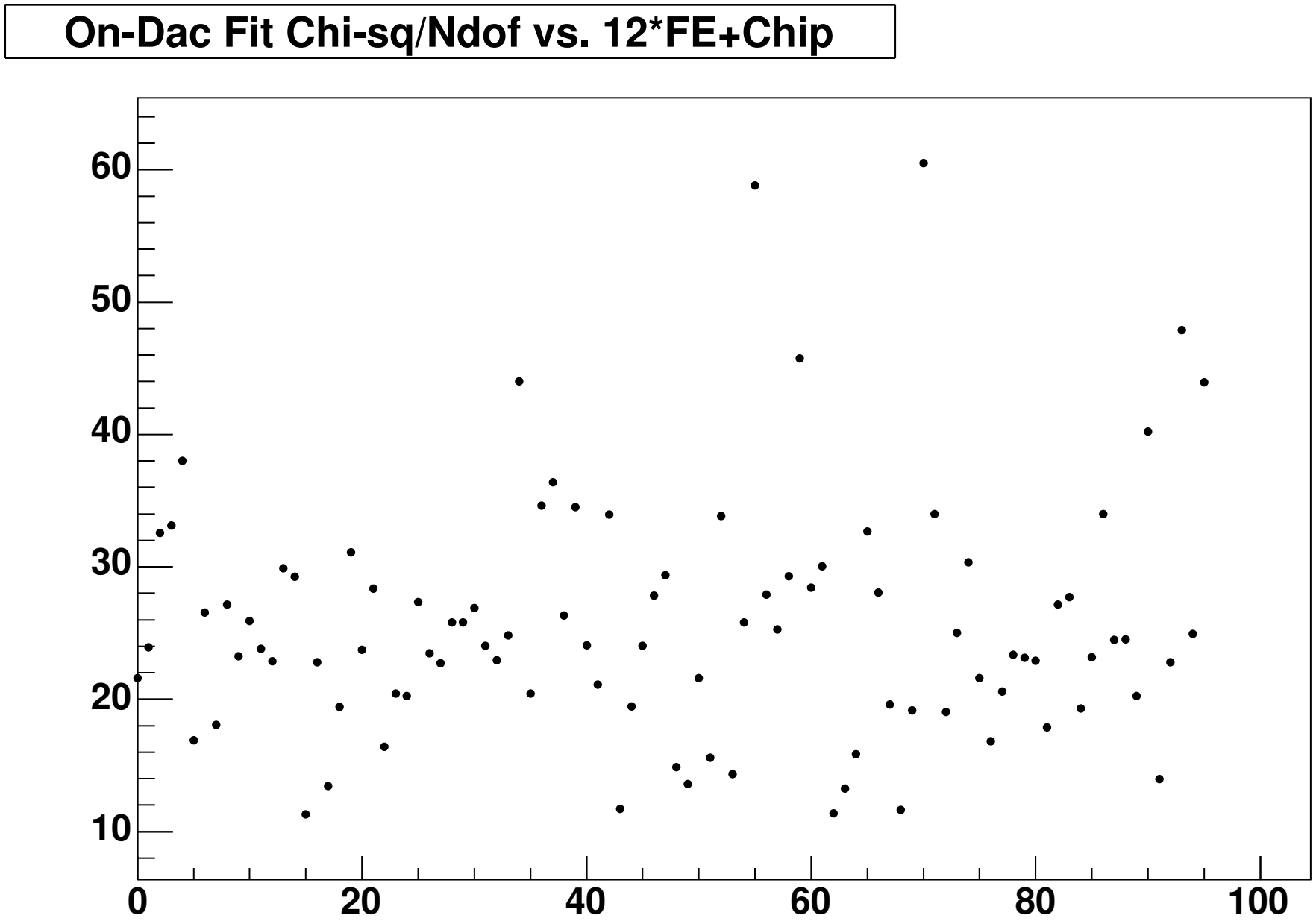

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
-150
0
20
40
60
80
100

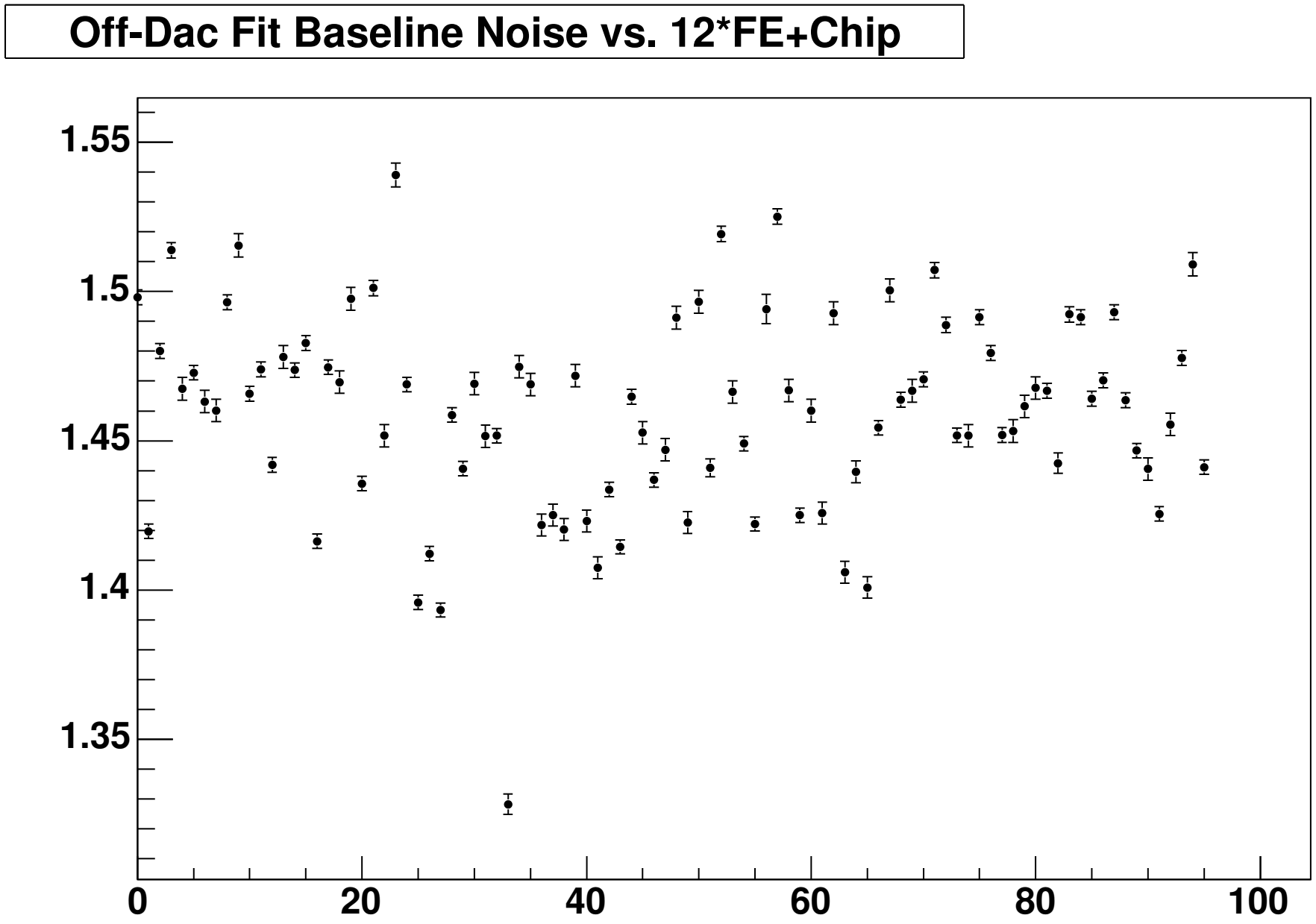

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
8
6
4
2
-0
-2
-4
0
20
40
60
80
100

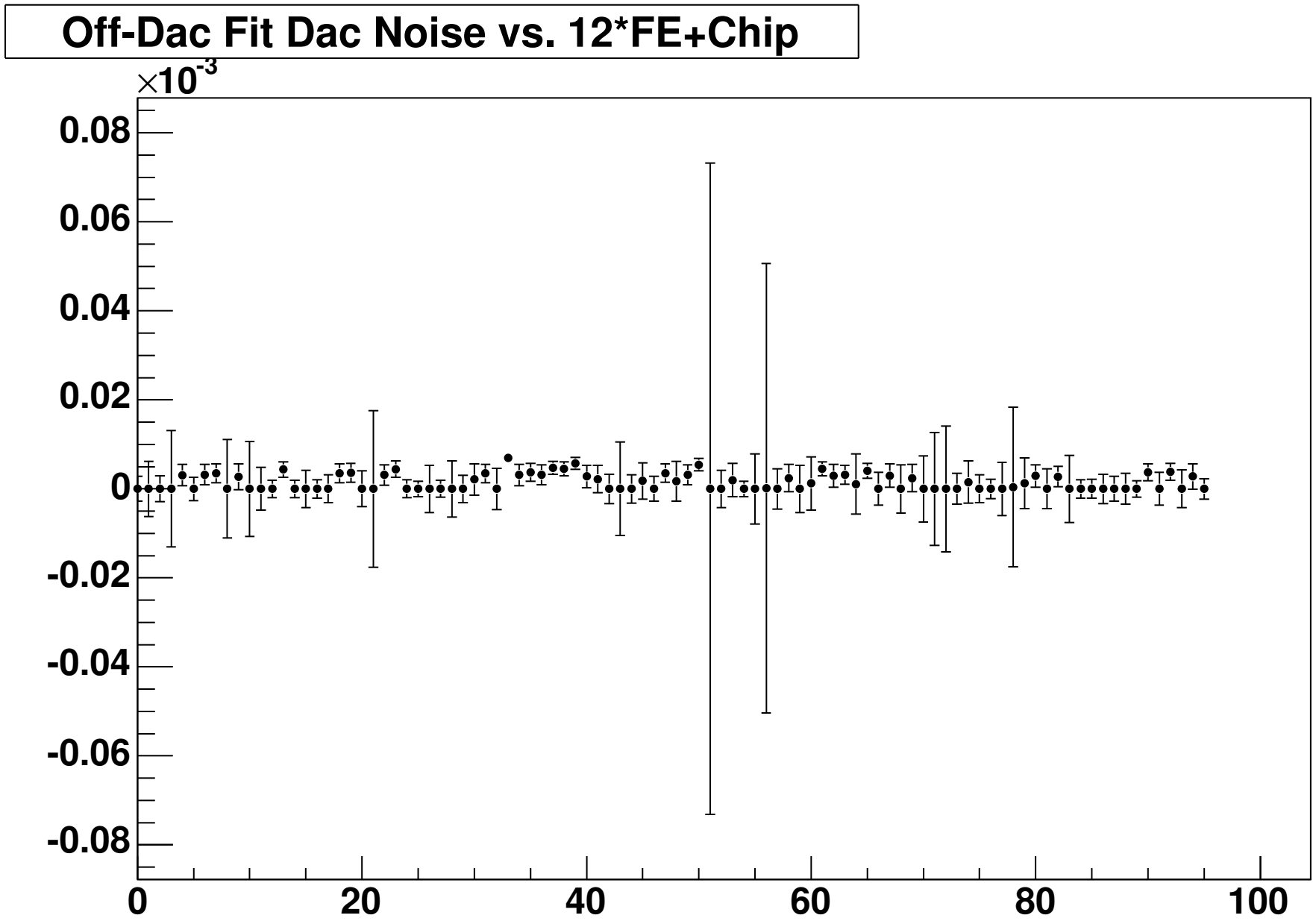

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
45
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100

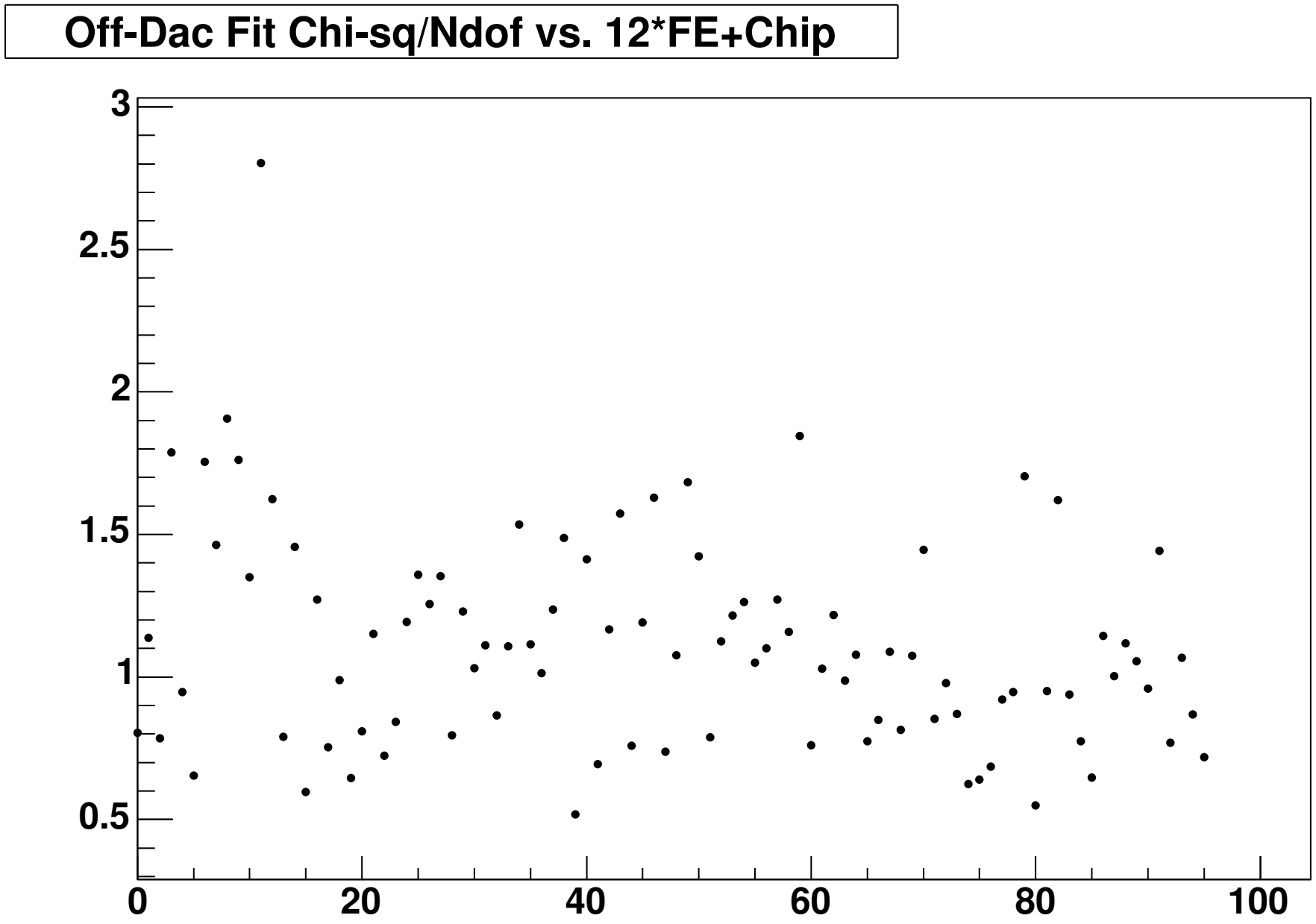

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.4
1.38
1.36
1.34
1.32
1.3
0
20
40
60
80
100

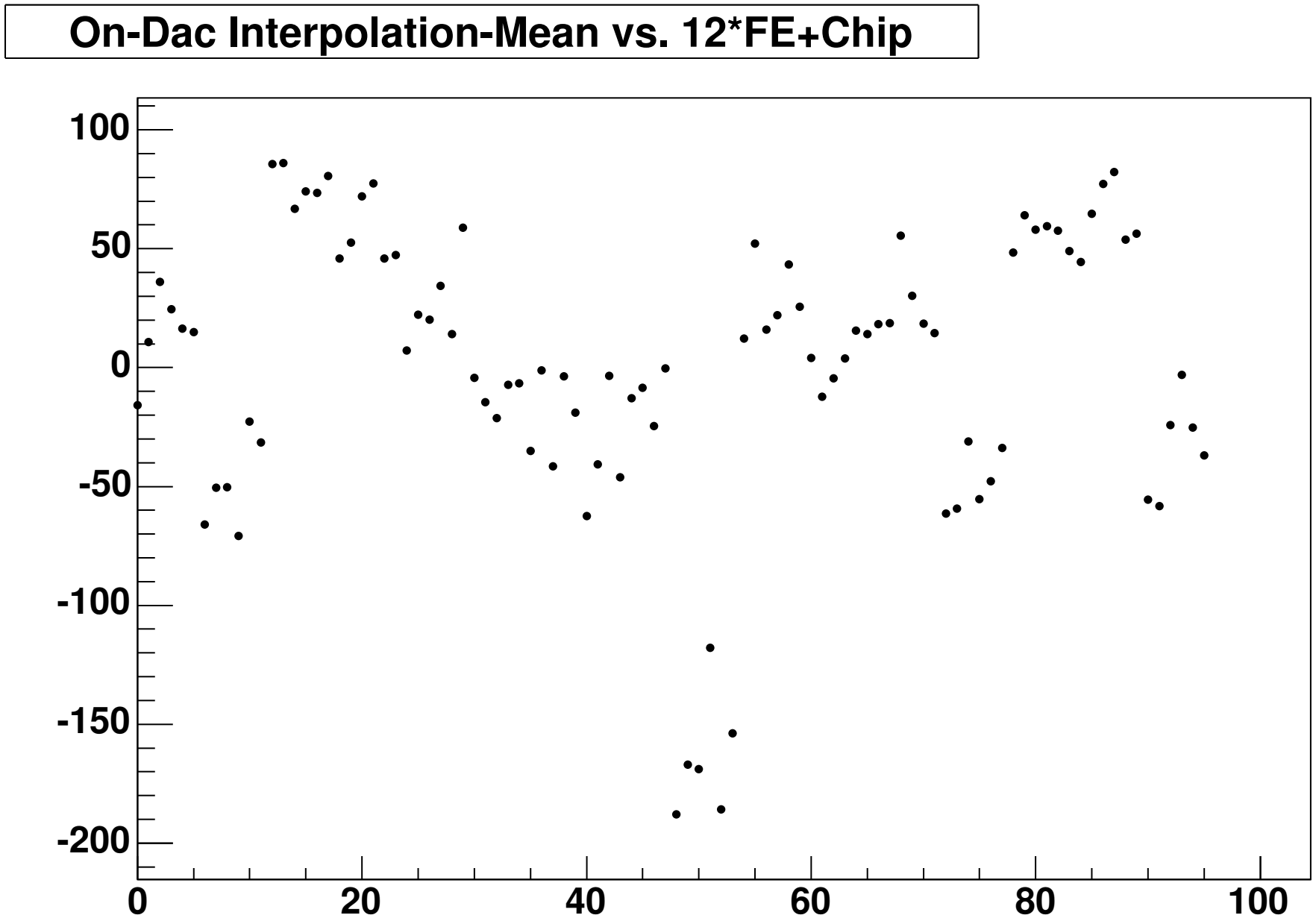

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
38
36
34
32
30
28
26
24
22
20
18
0
20
40
60
80
100

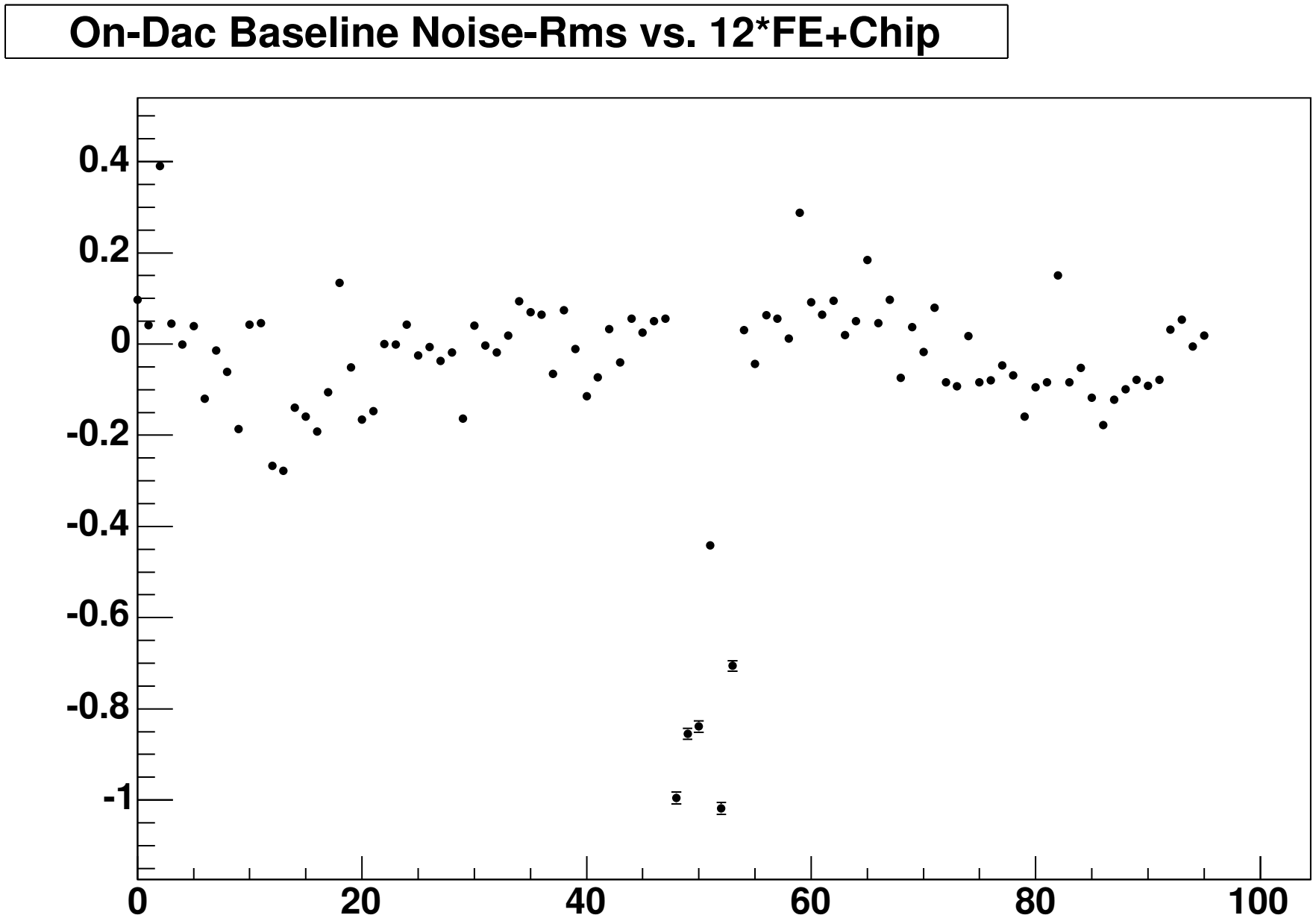

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
60
50
40
30
20
10
0
20
40
60
80
100

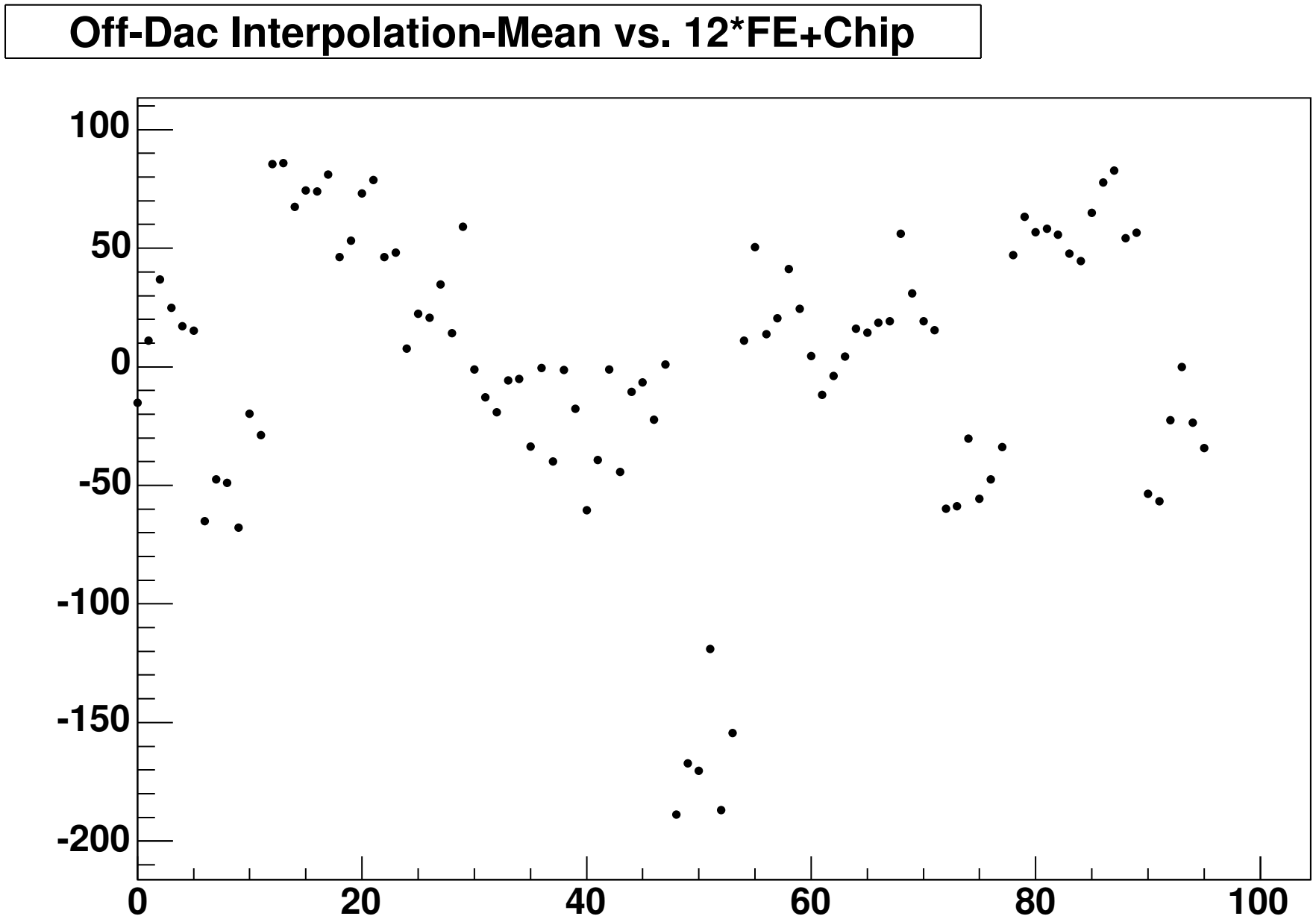

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.55
1.5
1.45
1.4
1.35
0
20
40
60
80
100

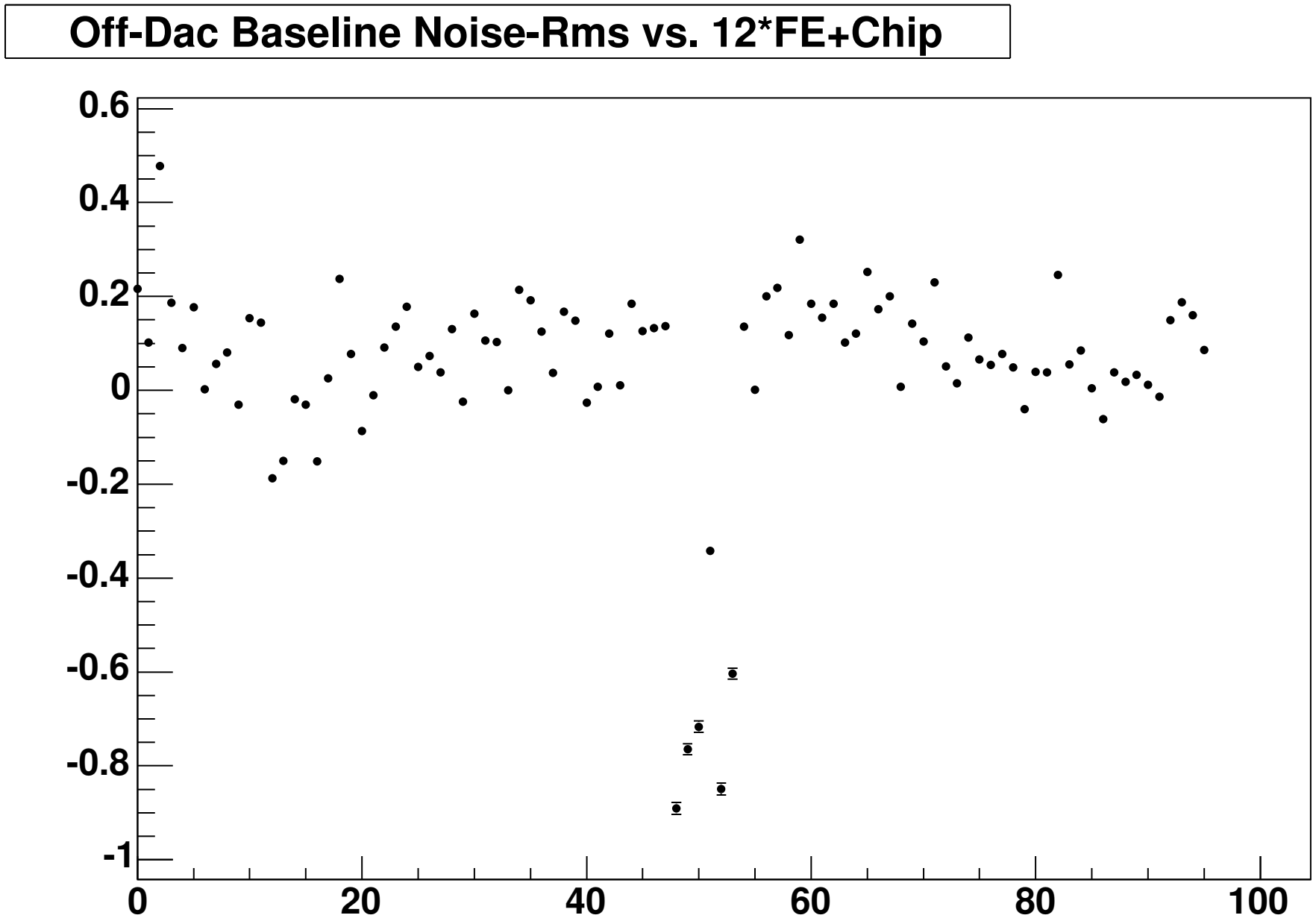

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
100
50
0
-50
-100
-150
-200
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
-0.8
-1
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
100
50
0
-50
-100
-150
-200
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
-0.8
-1
0
20
40
60
80
100