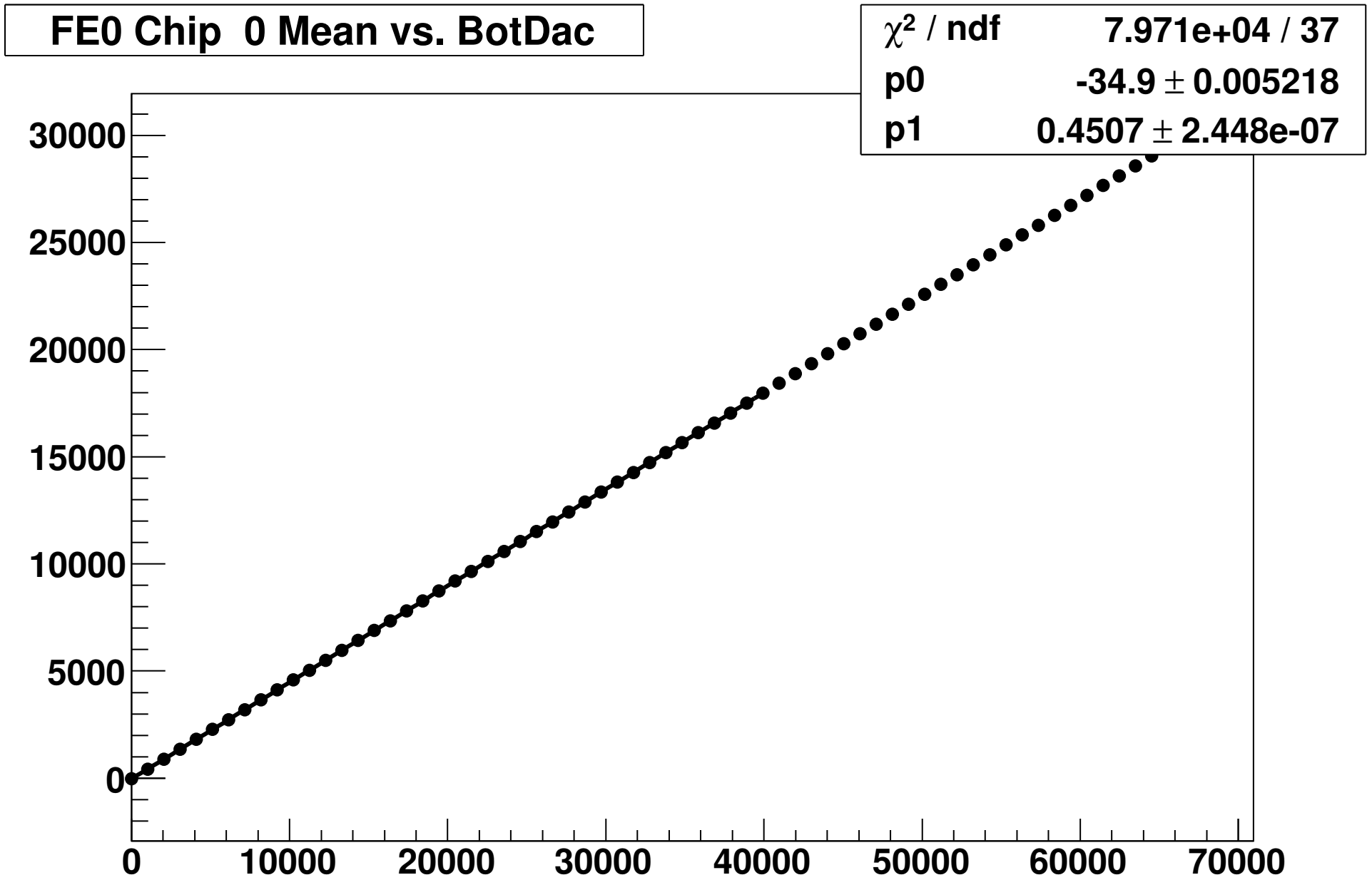
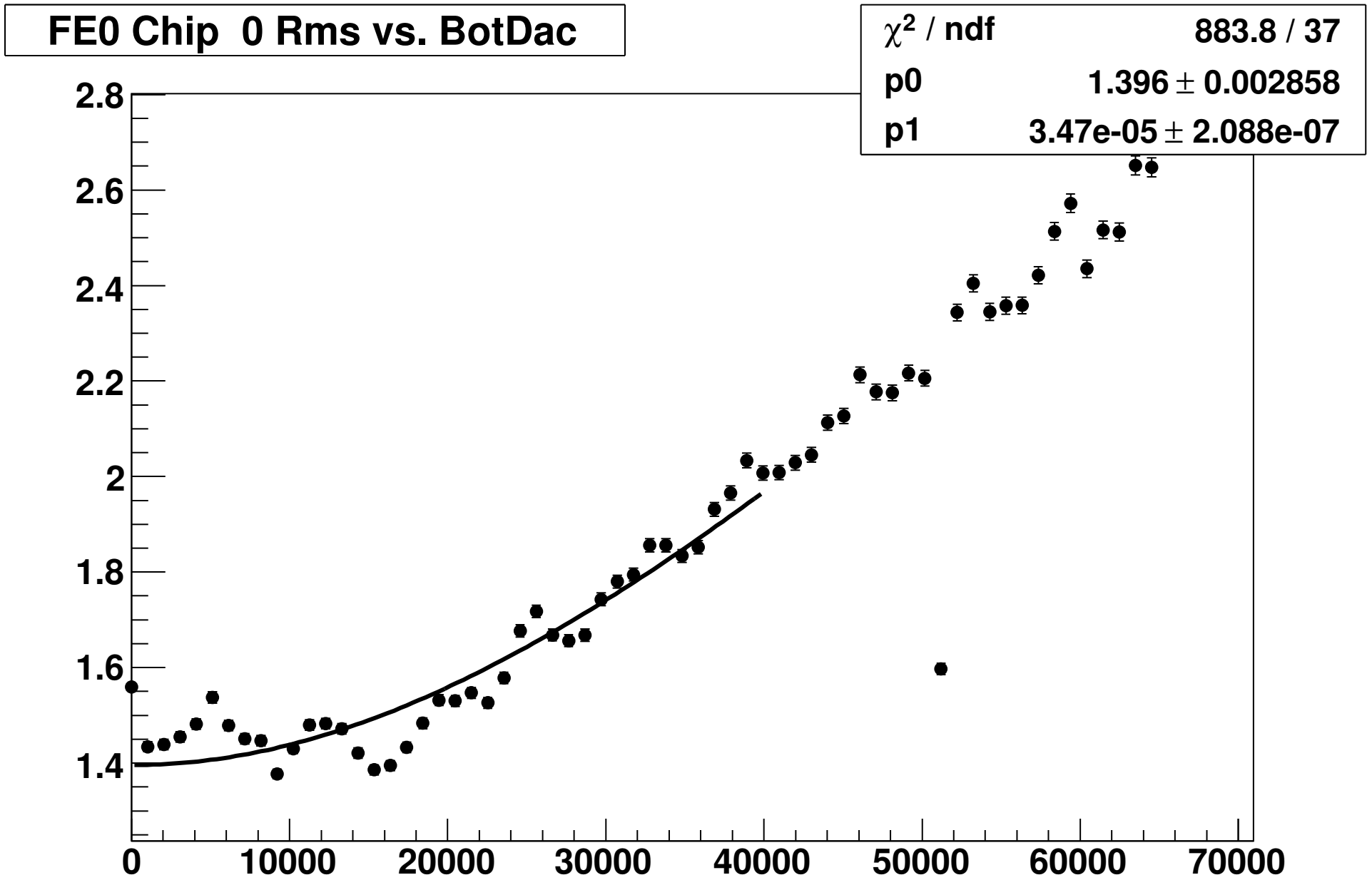

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 7.971e+04 / 37
p0 -34.9 ± 0.005218
p1 0.4507 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 883.8 / 37
p0 1.396 ± 0.002858
p1 3.47e-05 ± 2.088e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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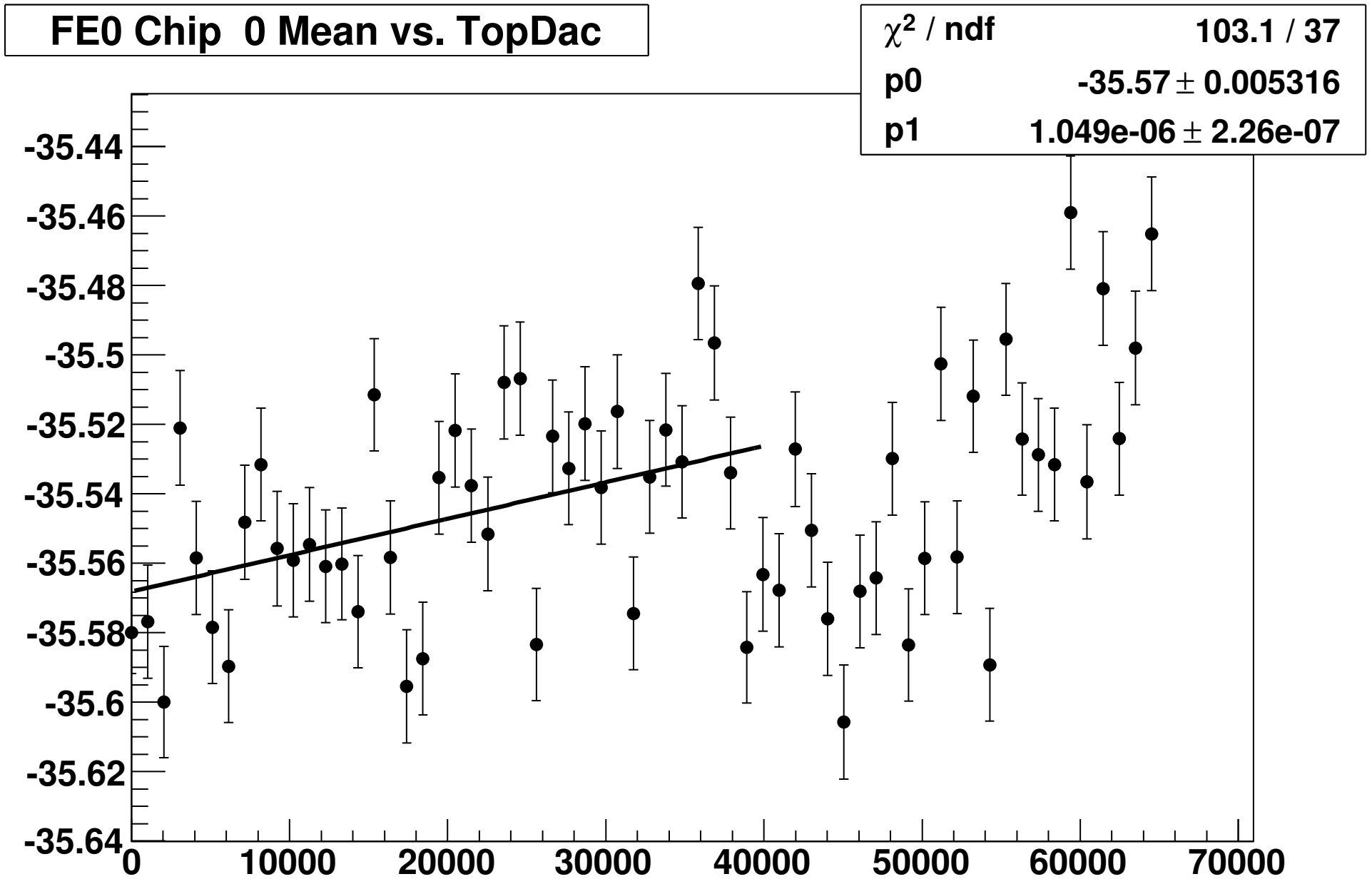
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 103.1 / 37
p0 -35.57 ± 0.005316
p1 1.049e-06 ± 2.26e-07
-35.44
-35.46
-35.48
-35.5
-35.52
-35.54
-35.56
-35.58
-35.6
-35.62
-35.64
0
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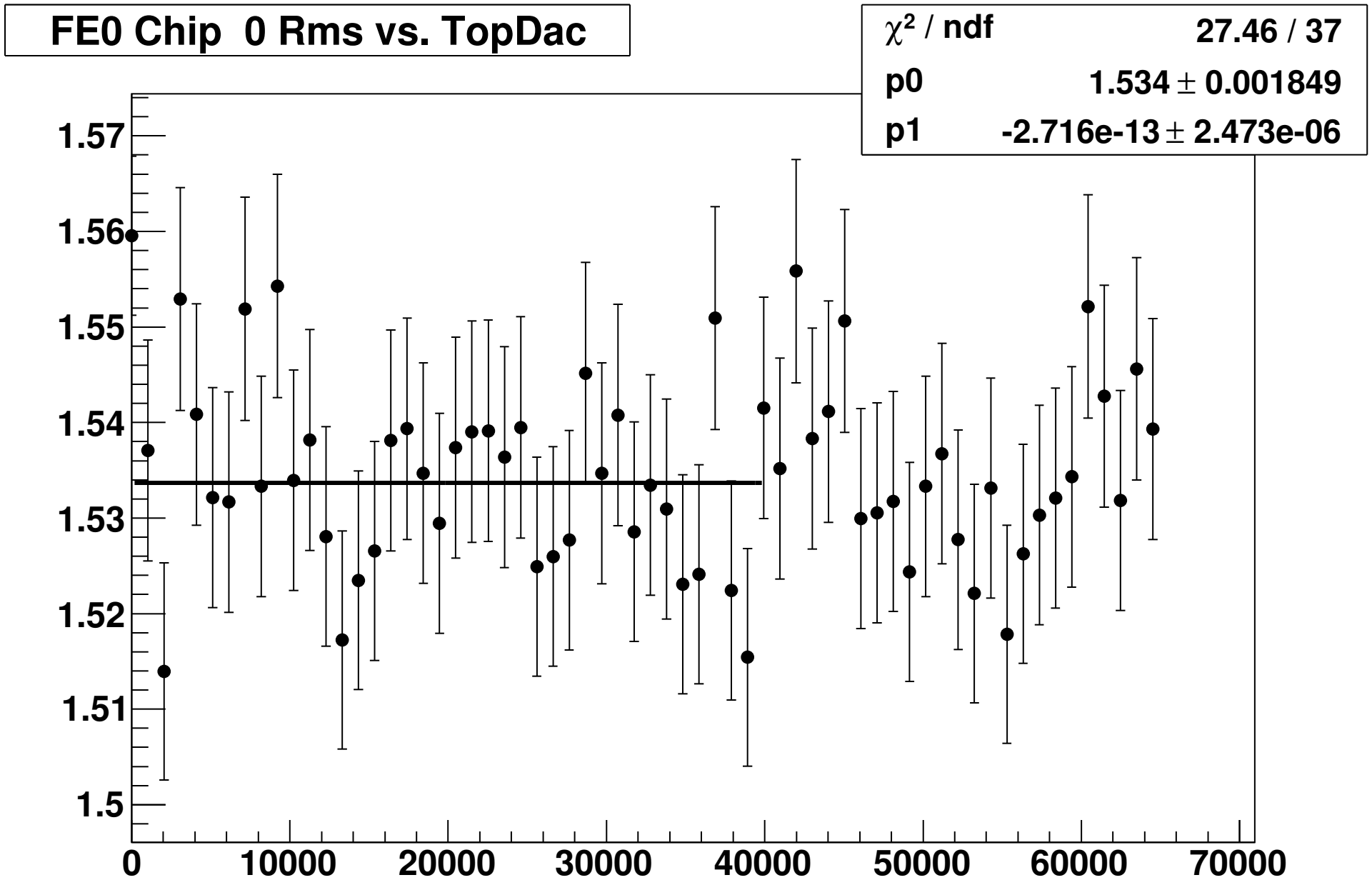
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 27.46 / 37
p0 1.534 ± 0.001849
p1 -2.716e-13 ± 2.473e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
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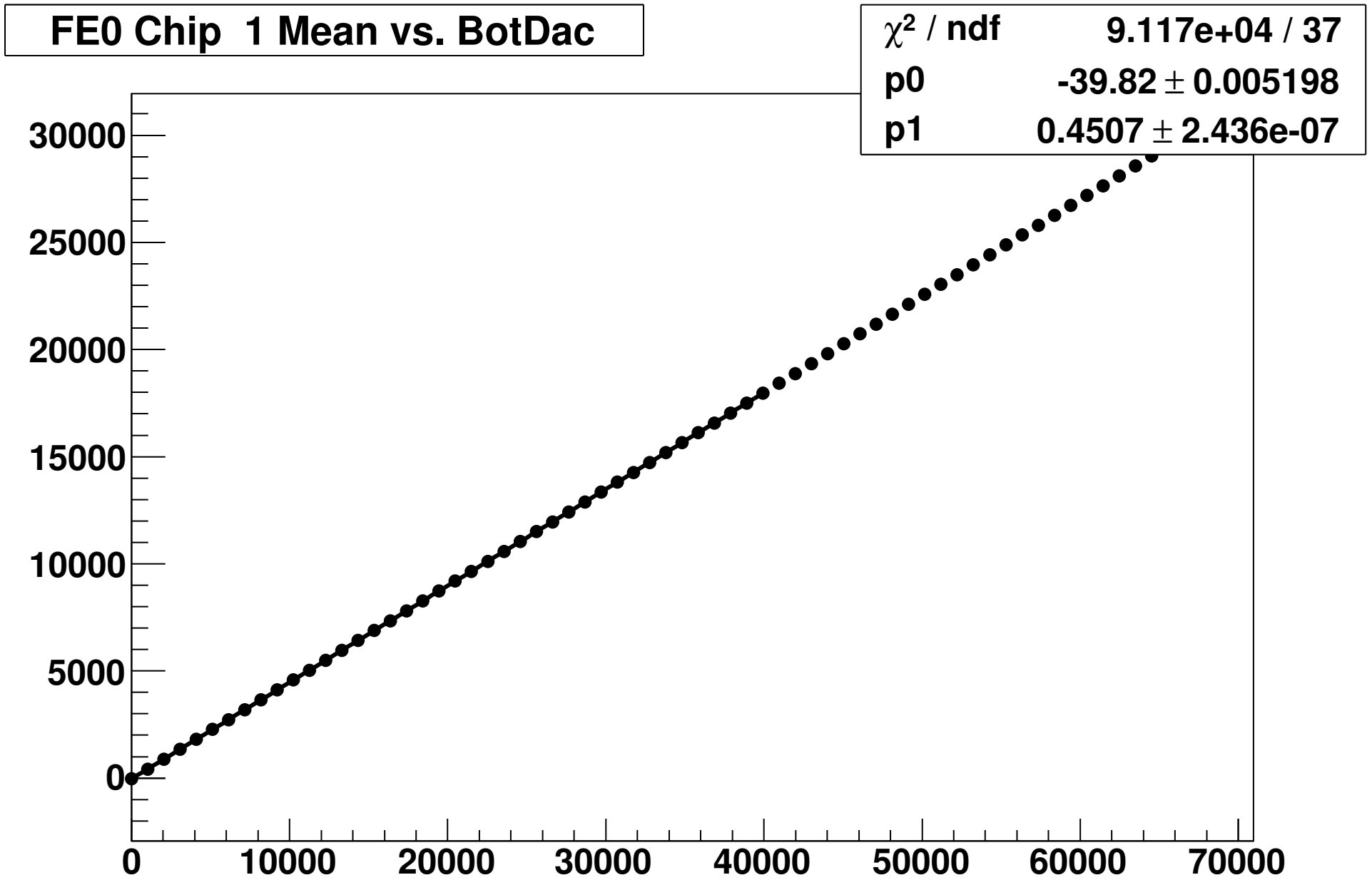
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 9.117e+04 / 37
p0 -39.82 ± 0.005198
p1 0.4507 ± 2.436e-07
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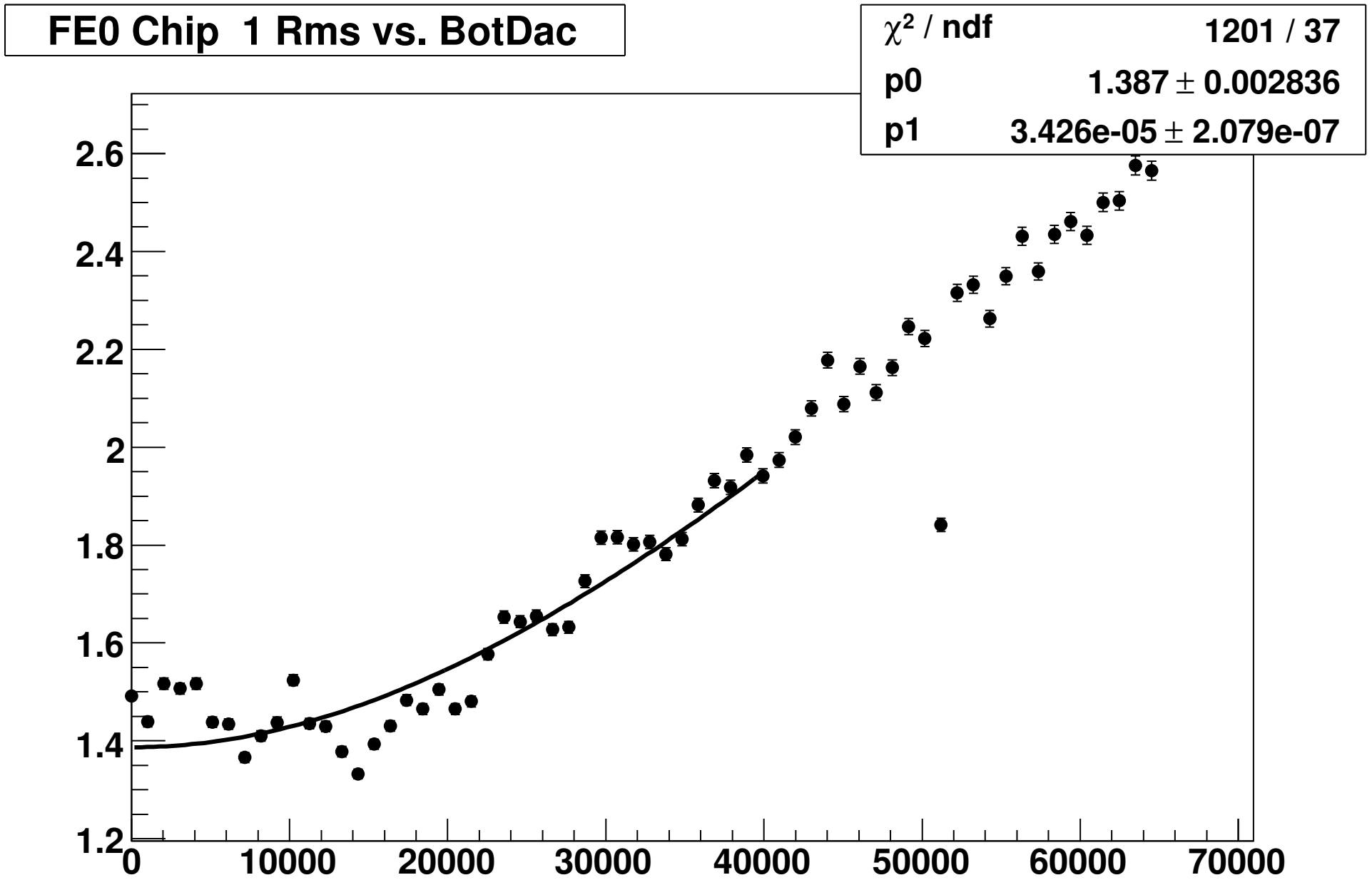
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 1201 / 37
p0 1.387 ± 0.002836
p1 3.426e-05 ± 2.079e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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50000
60000
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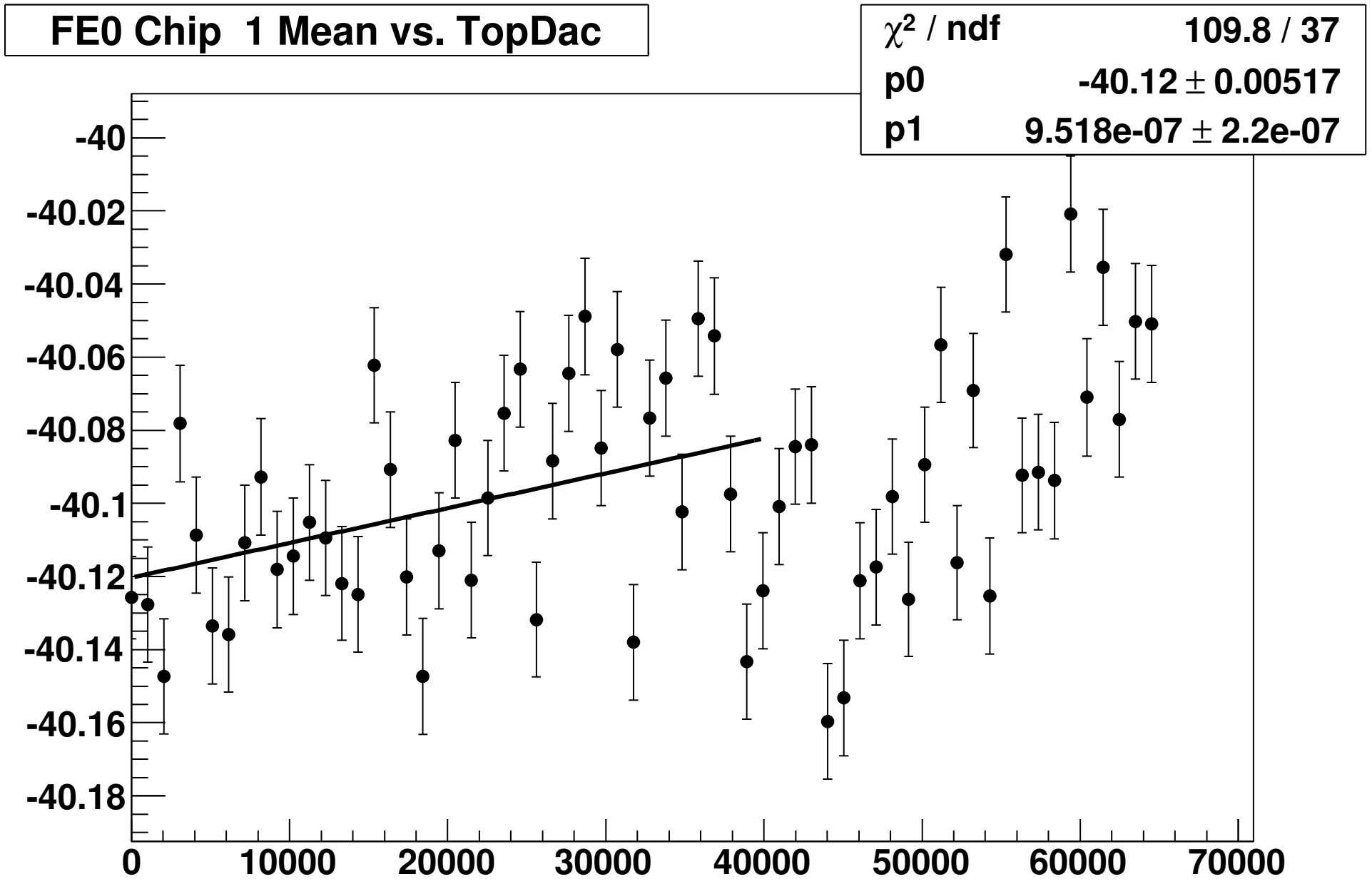
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 109.8 / 37
p0 -40.12 ± 0.00517
p1 9.518e-07 ± 2.2e-07
-40
-40.02
-40.04
-40.06
-40.08
-40.1
-40.12
-40.14
-40.16
-40.18
0
10000
20000
30000
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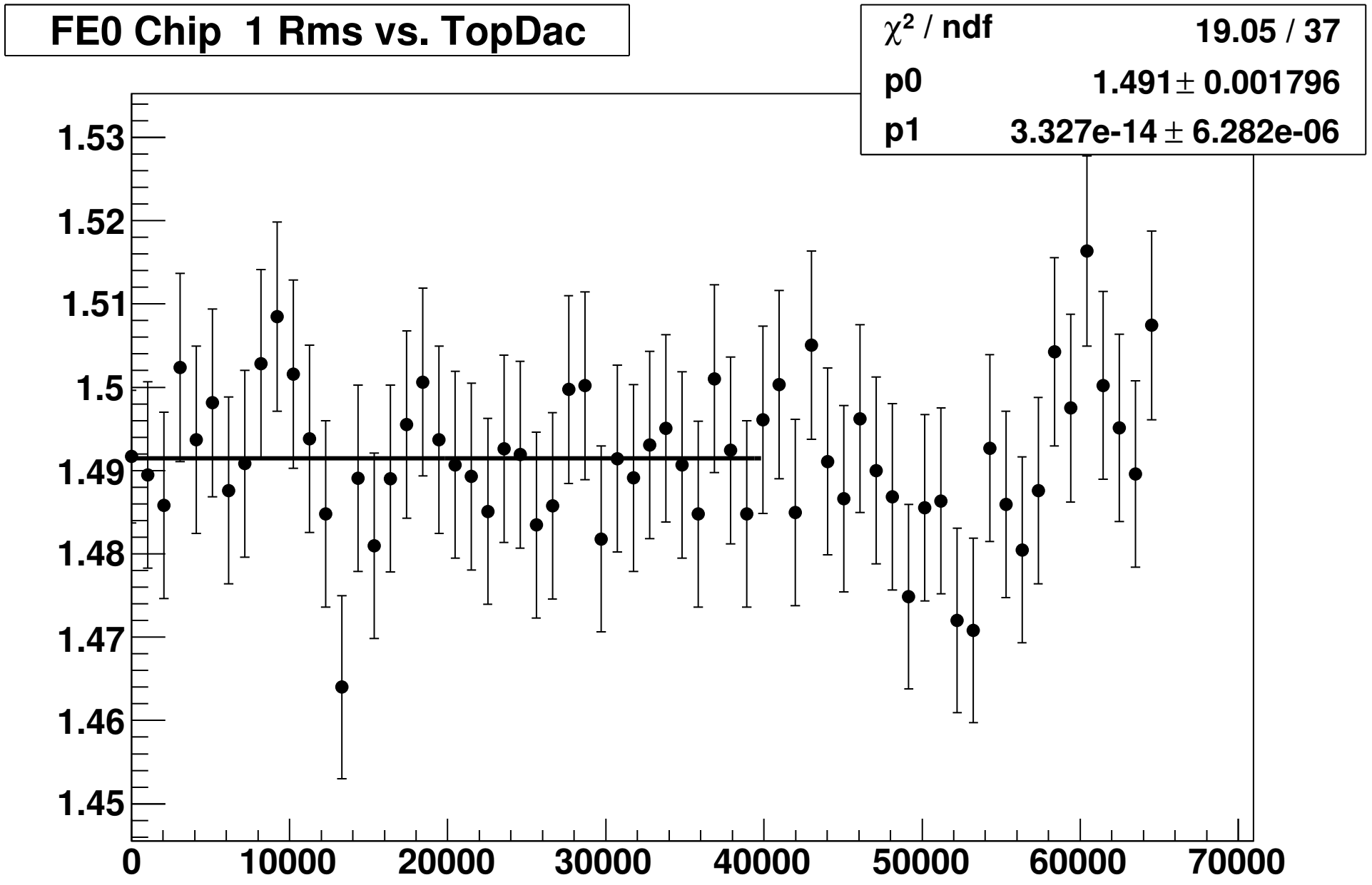
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 19.05 / 37
p0 1.491 ± 0.001796
p1 3.327e-14 ± 6.282e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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50000
60000
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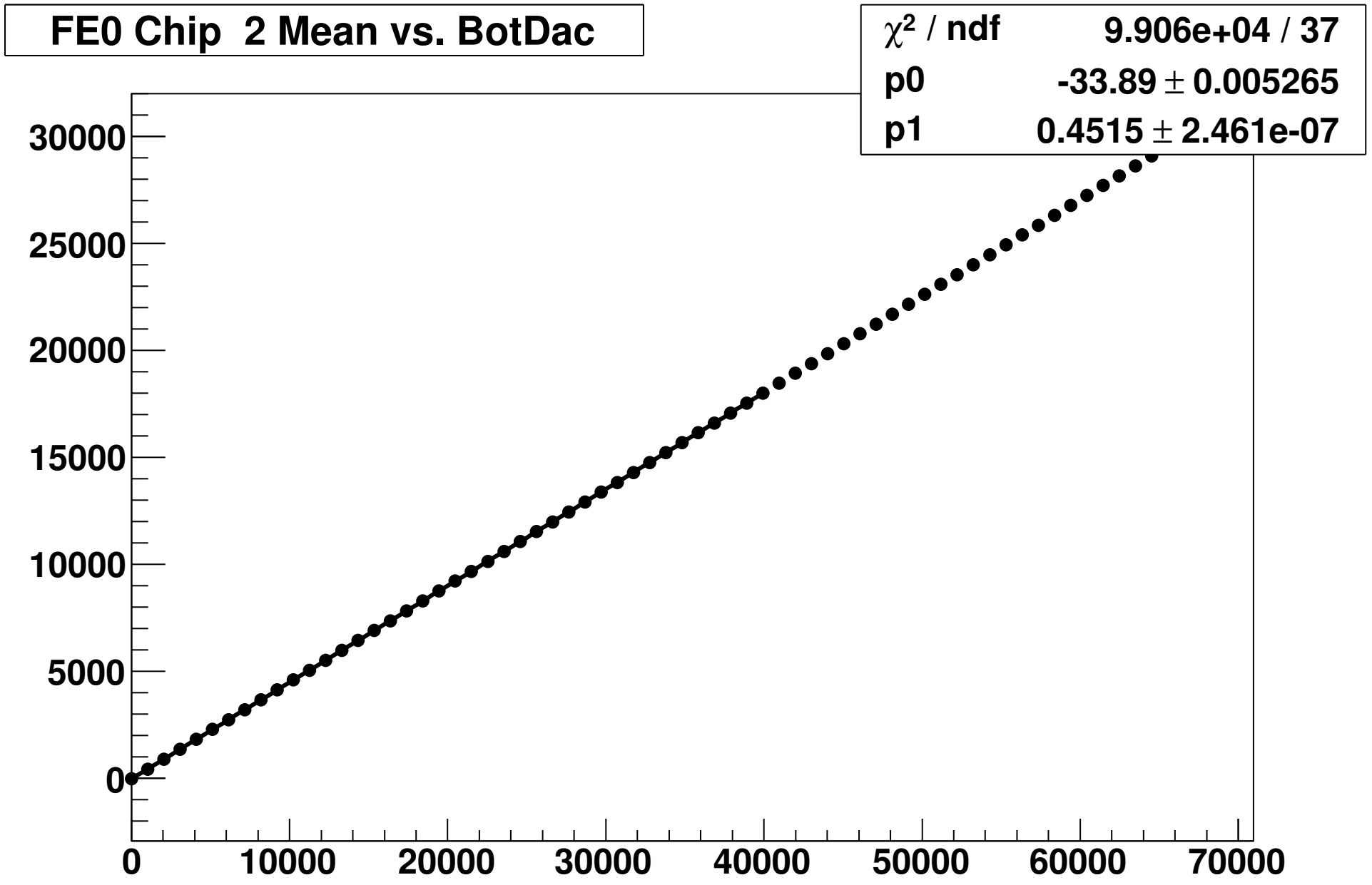
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 9.906e+04 / 37
p0 -33.89 ± 0.005265
p1 0.4515 ± 2.461e-07
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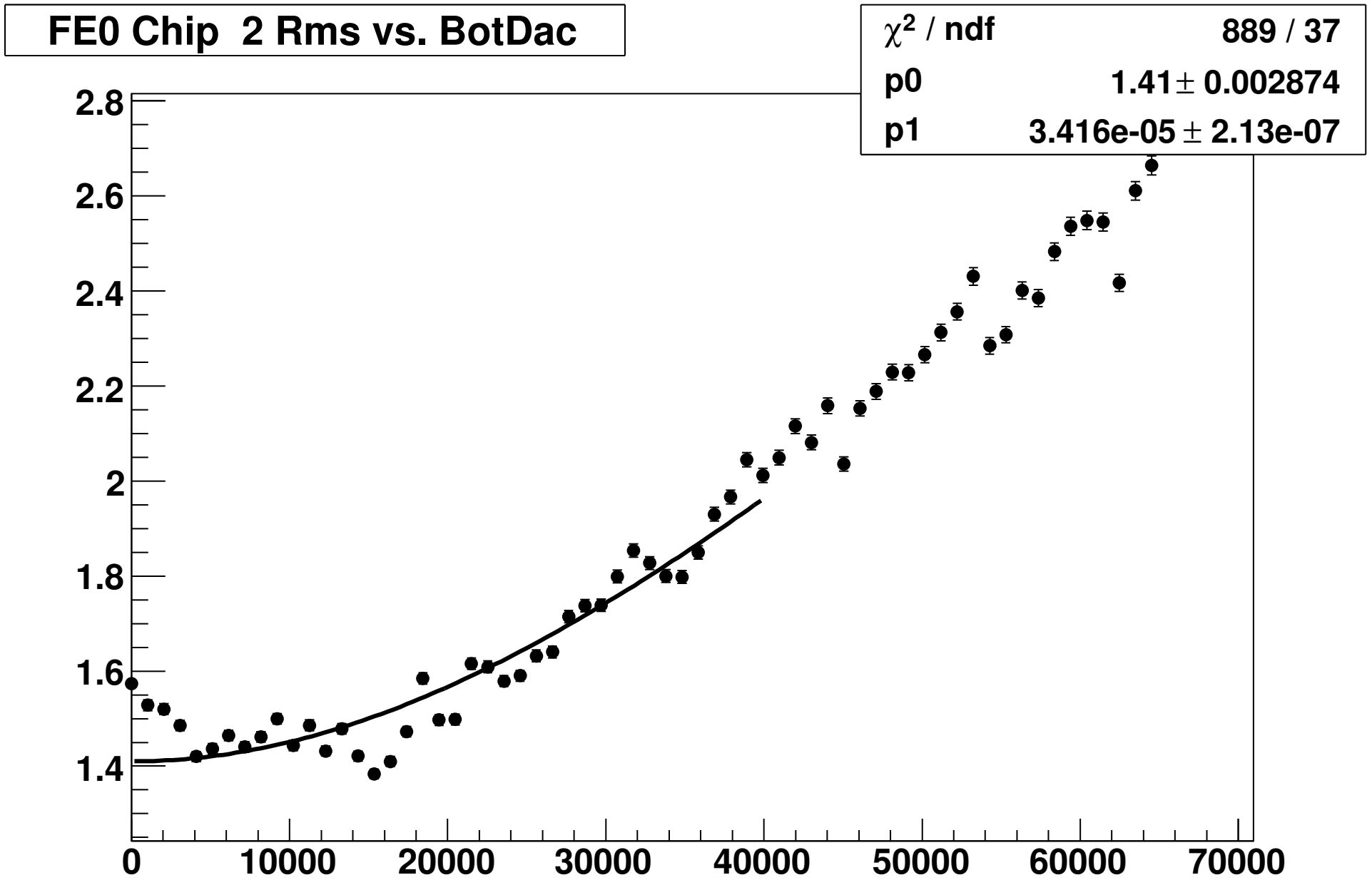
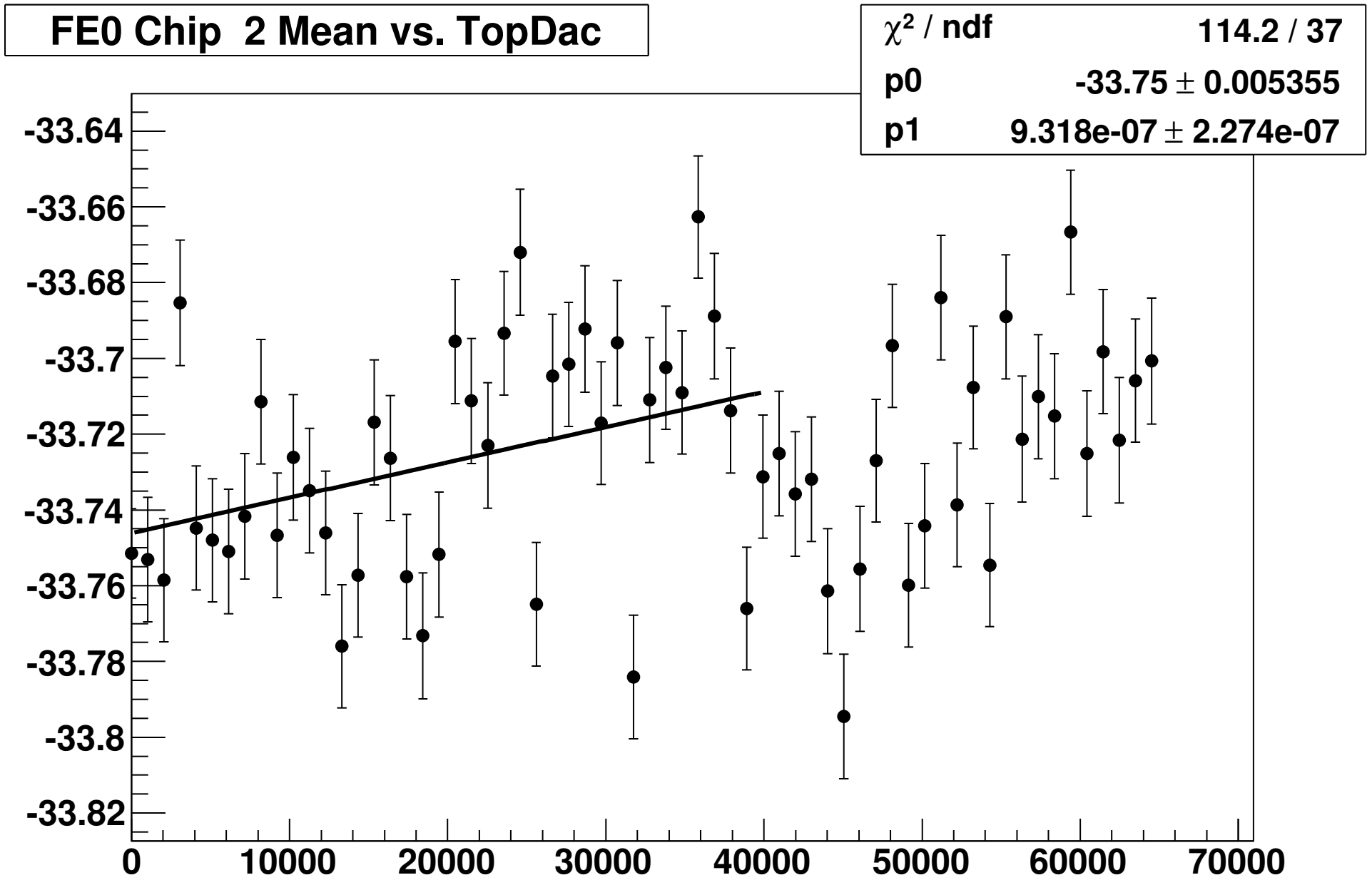
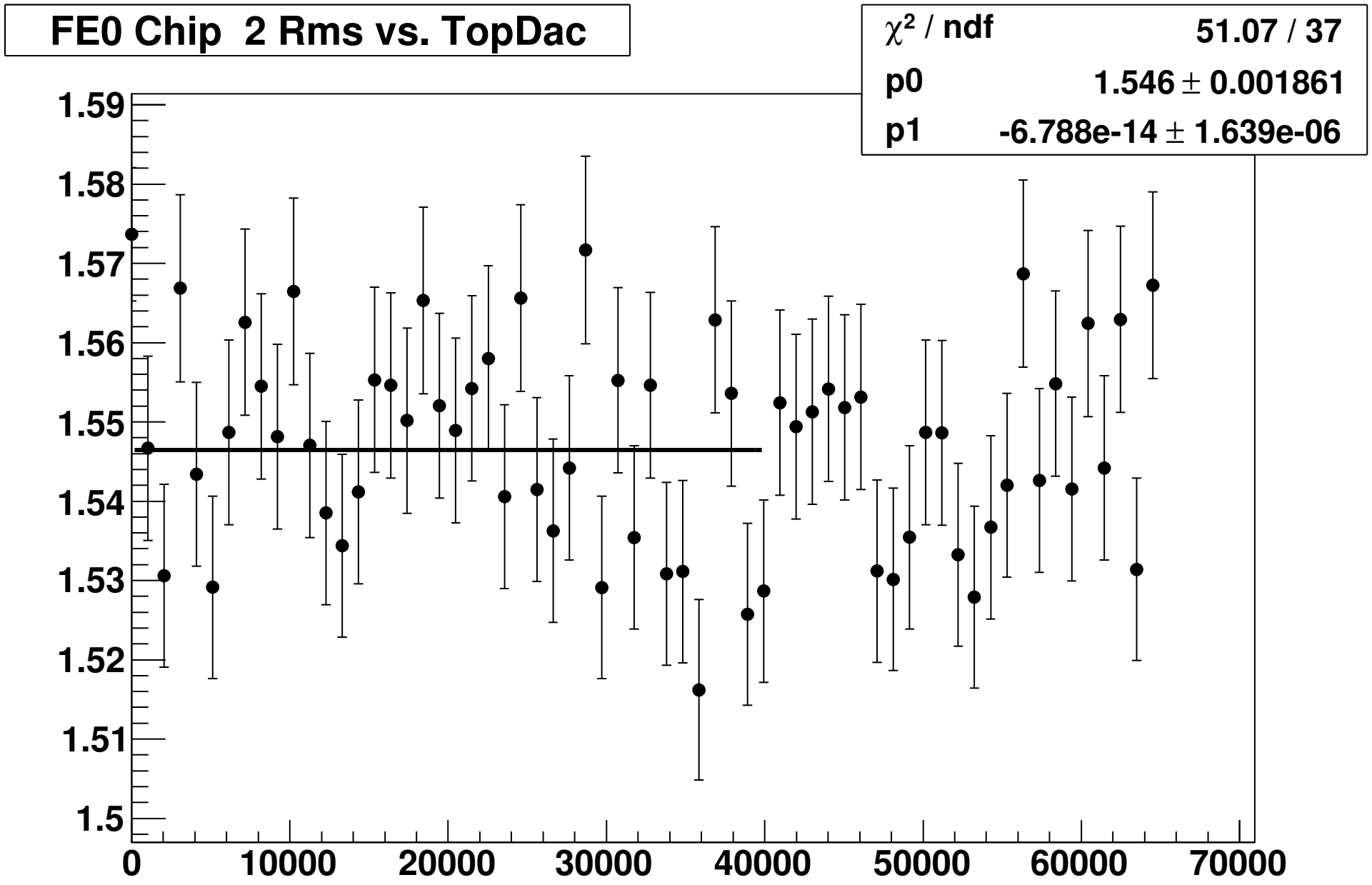
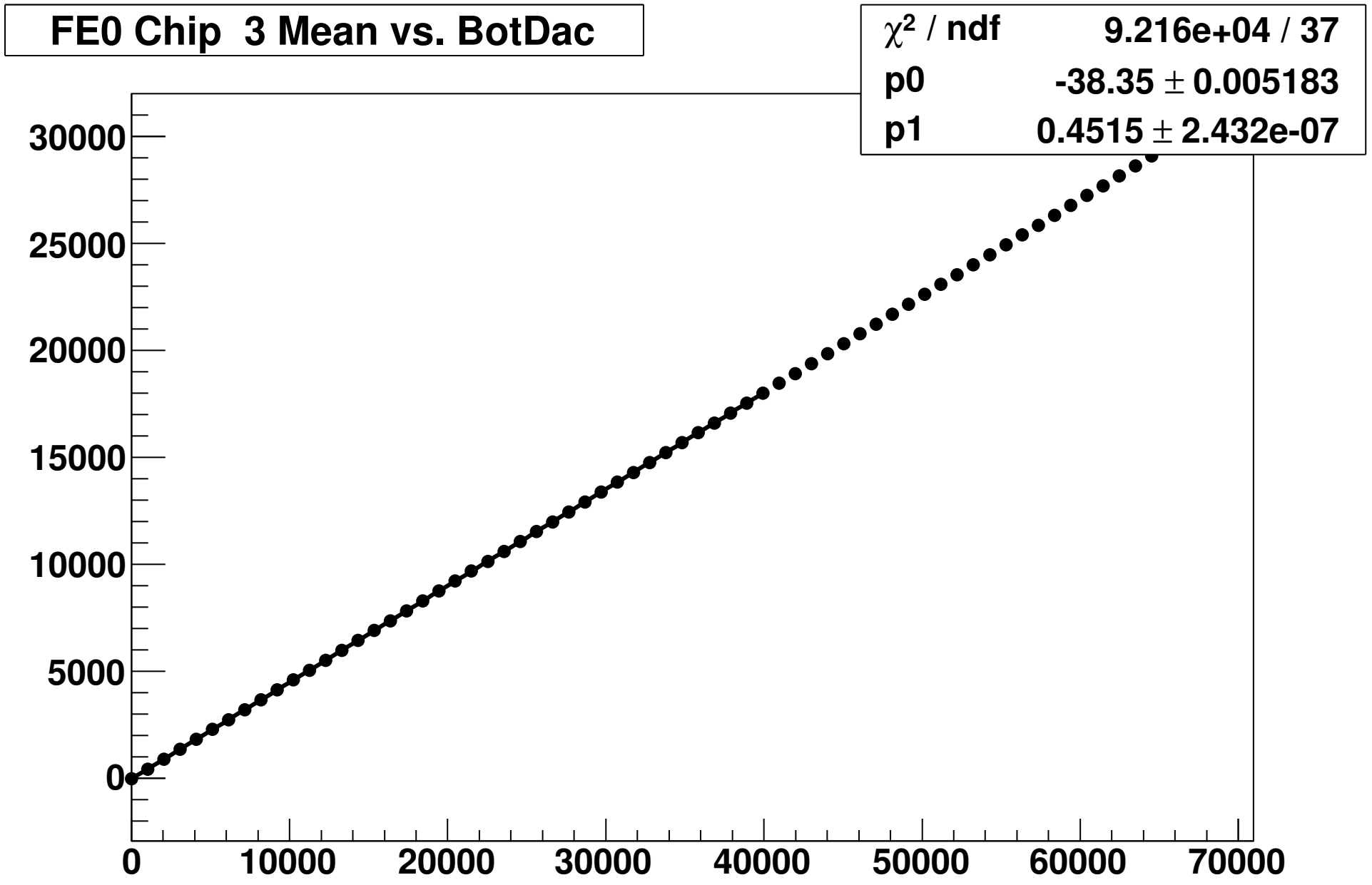
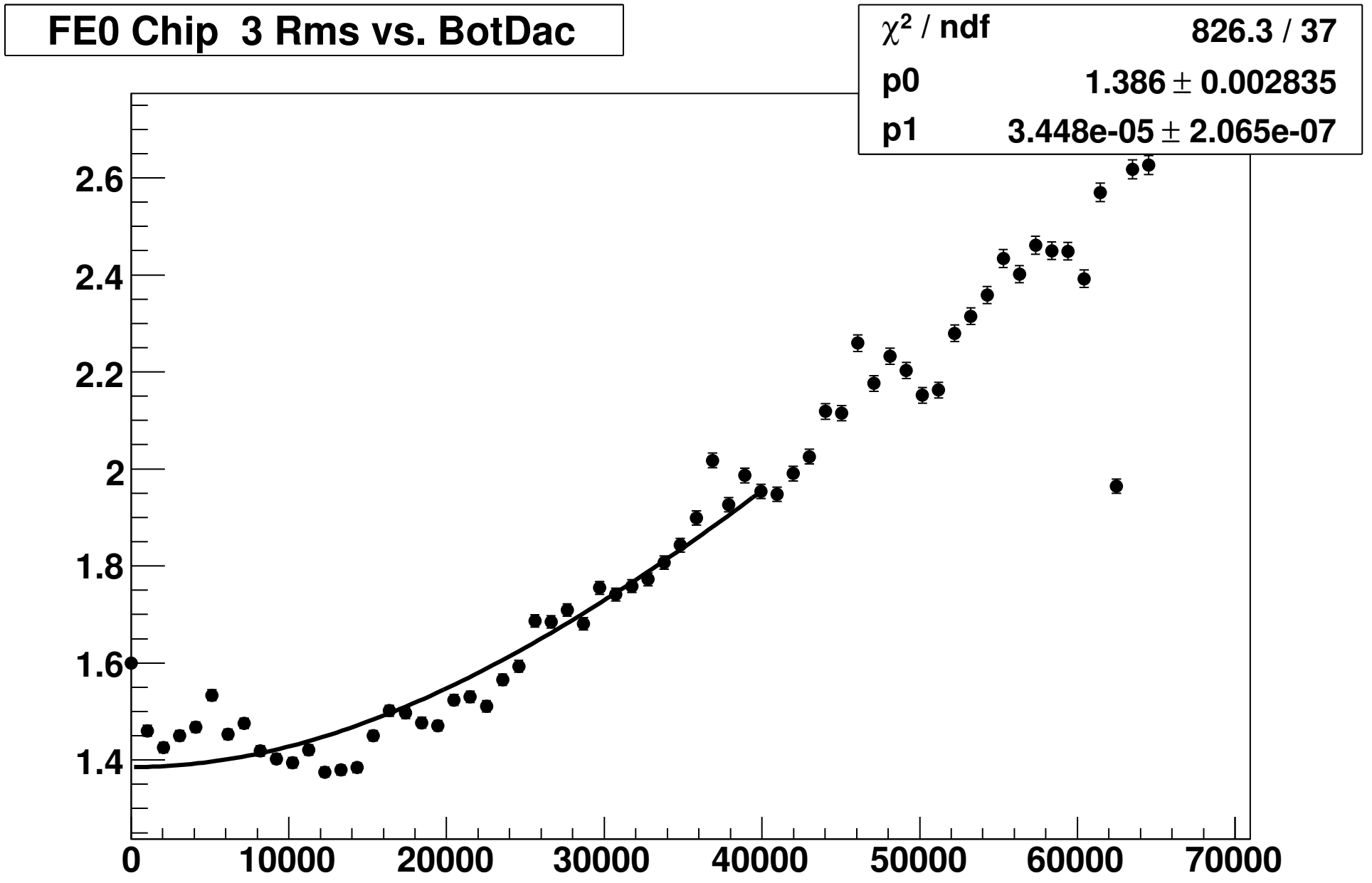
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

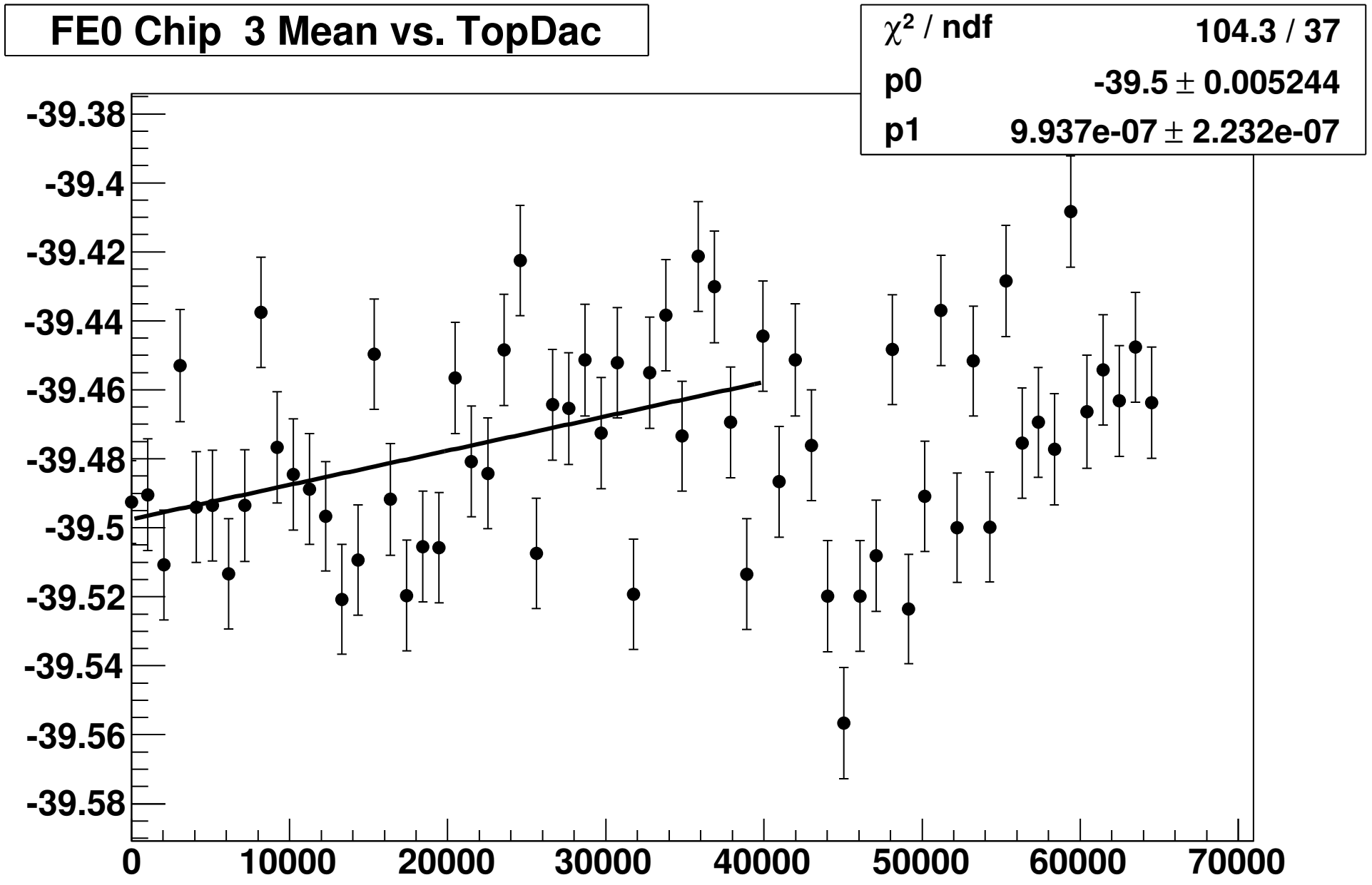

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 889 / 37
p0 1.41 ± 0.002874
p1 3.416e-05 ± 2.13e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

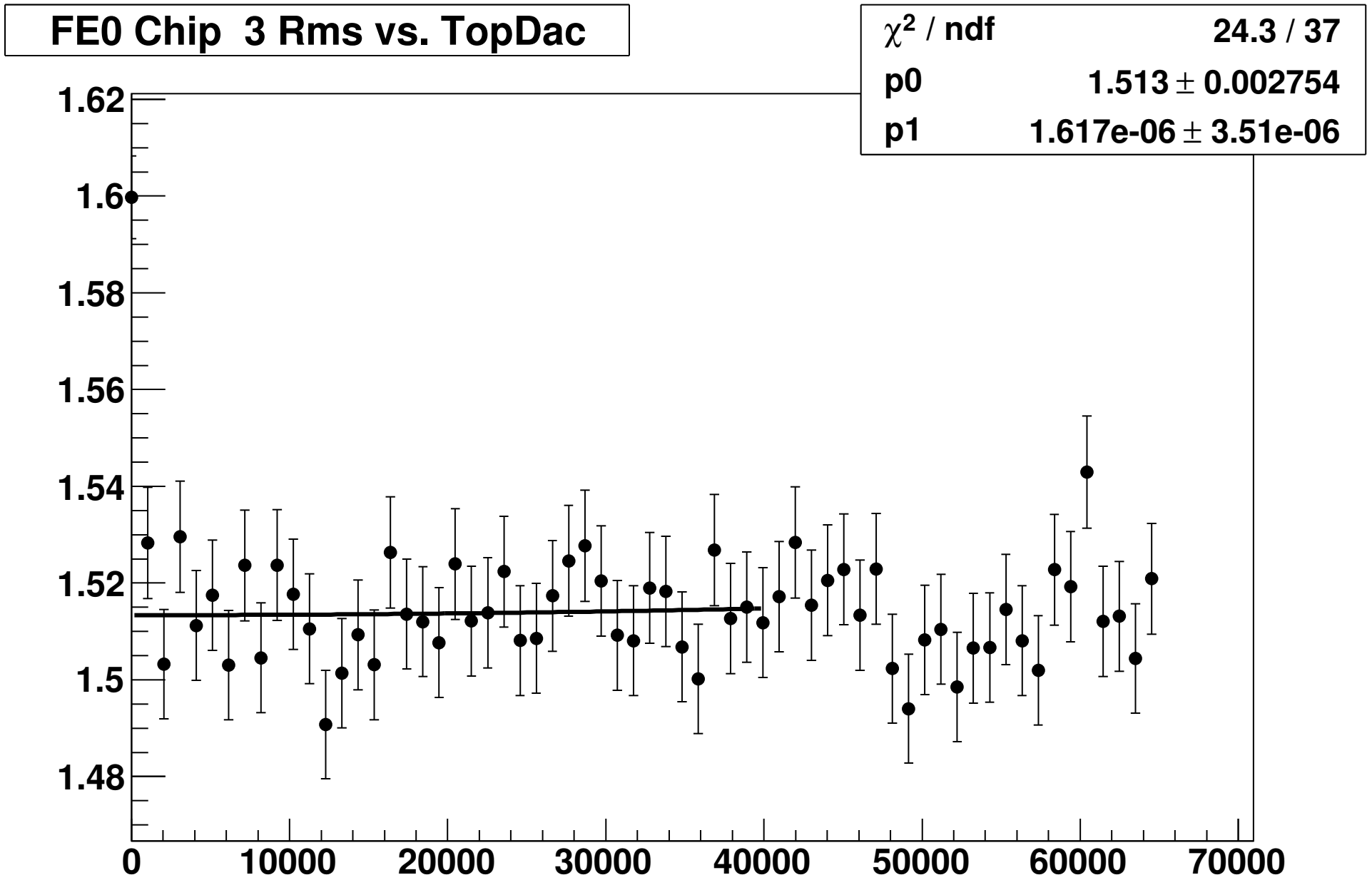

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 114.2 / 37
p0 -33.75 ± 0.005355
p1 9.318e-07 ± 2.274e-07
-33.64
-33.66
-33.68
-33.7
-33.72
-33.74
-33.76
-33.78
-33.8
-33.82
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 51.07 / 37
p0 1.546 ± 0.001861
p1 -6.788e-14 ± 1.639e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 9.216e+04 / 37
p0 -38.35 ± 0.005183
p1 0.4515 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 826.3 / 37
p0 1.386 ± 0.002835
p1 3.448e-05 ± 2.065e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 104.3 / 37
p0 -39.5 ± 0.005244
p1 9.937e-07 ± 2.232e-07
-39.38
-39.4
-39.42
-39.44
-39.46
-39.48
-39.5
-39.52
-39.54
-39.56
-39.58
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 24.3 / 37
p0 1.513 ± 0.002754
p1 1.617e-06 ± 3.51e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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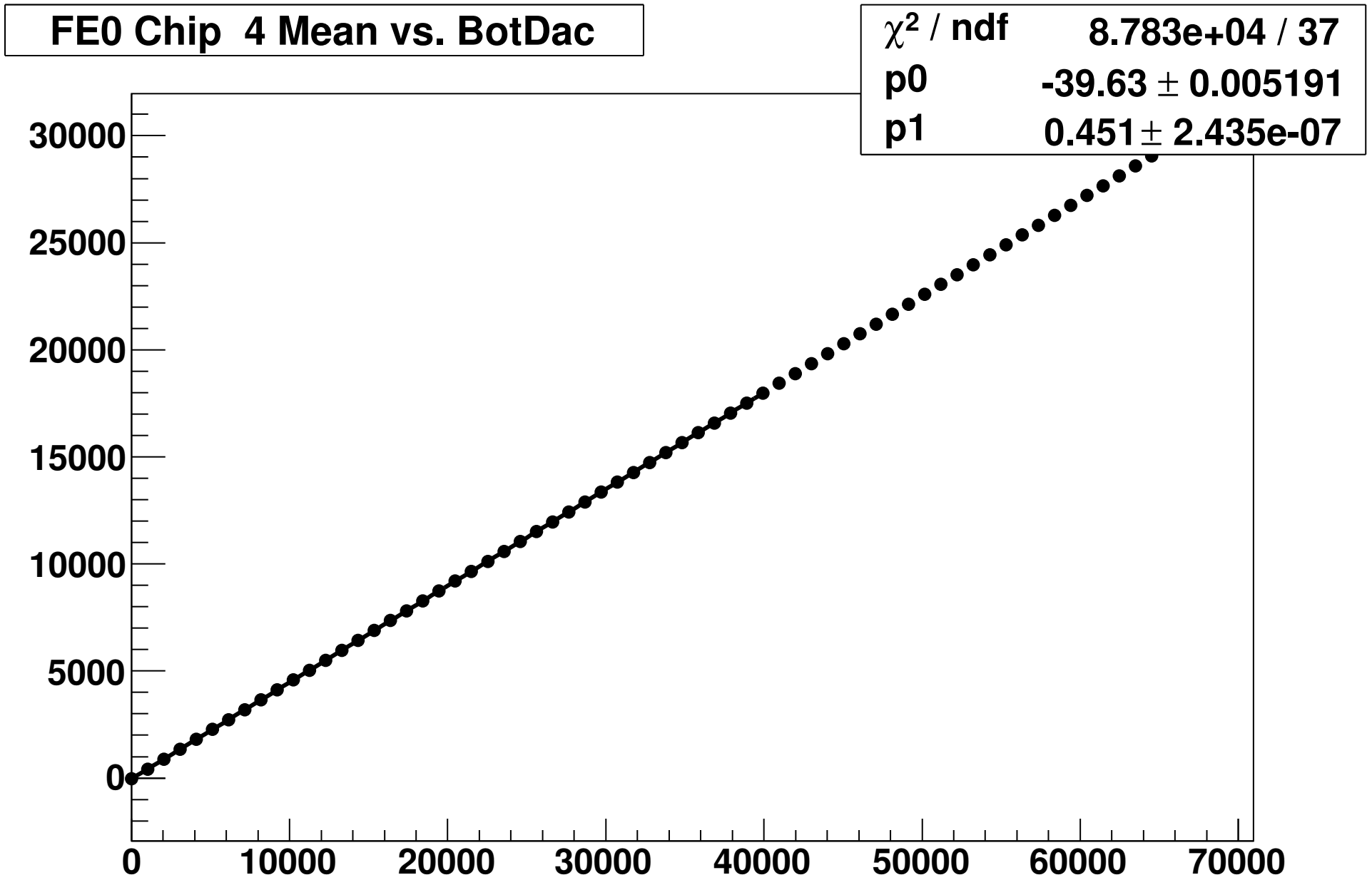
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 8.783e+04 / 37
p0 -39.63 ± 0.005191
p1 0.451 ± 2.435e-07
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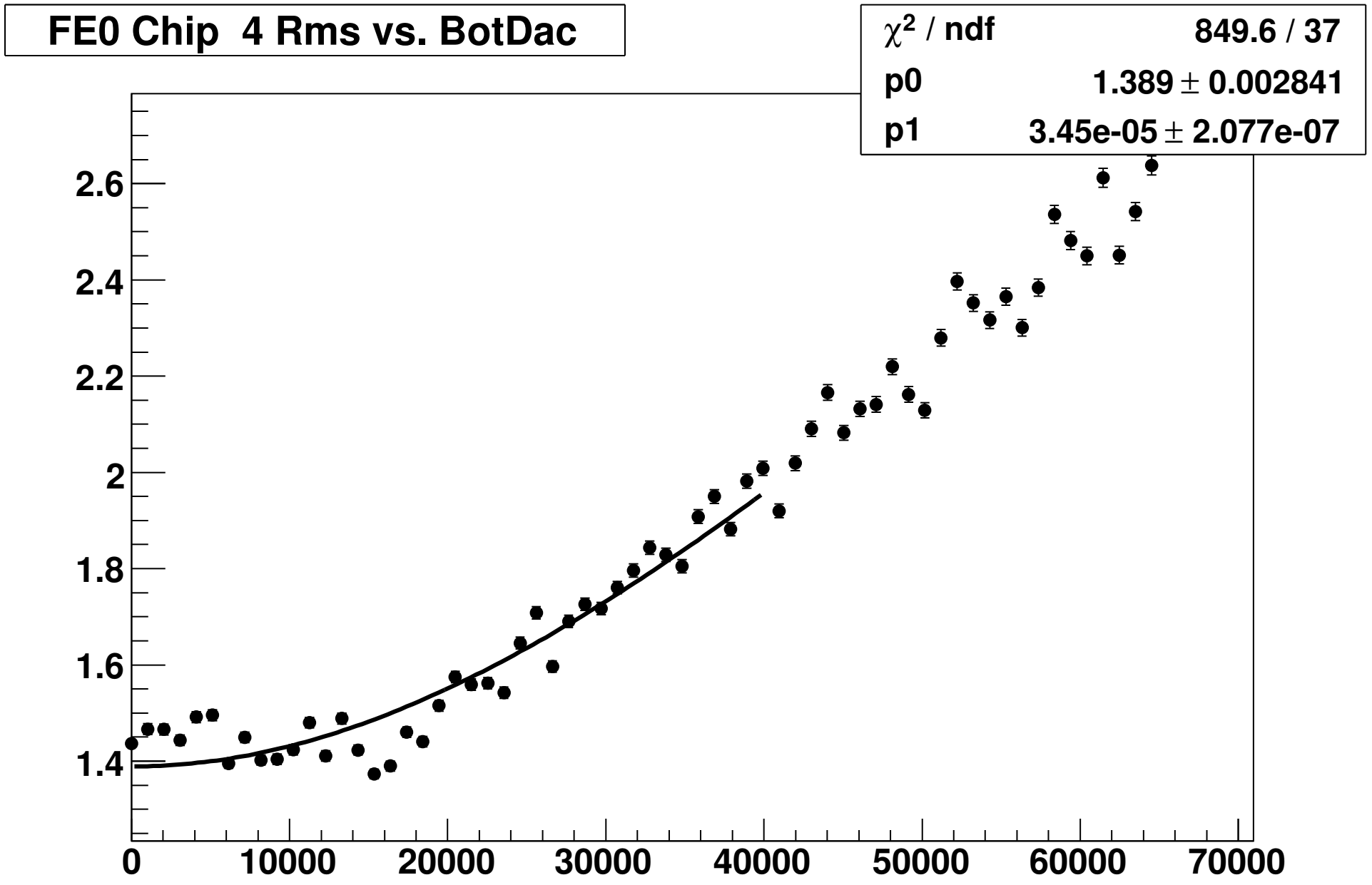
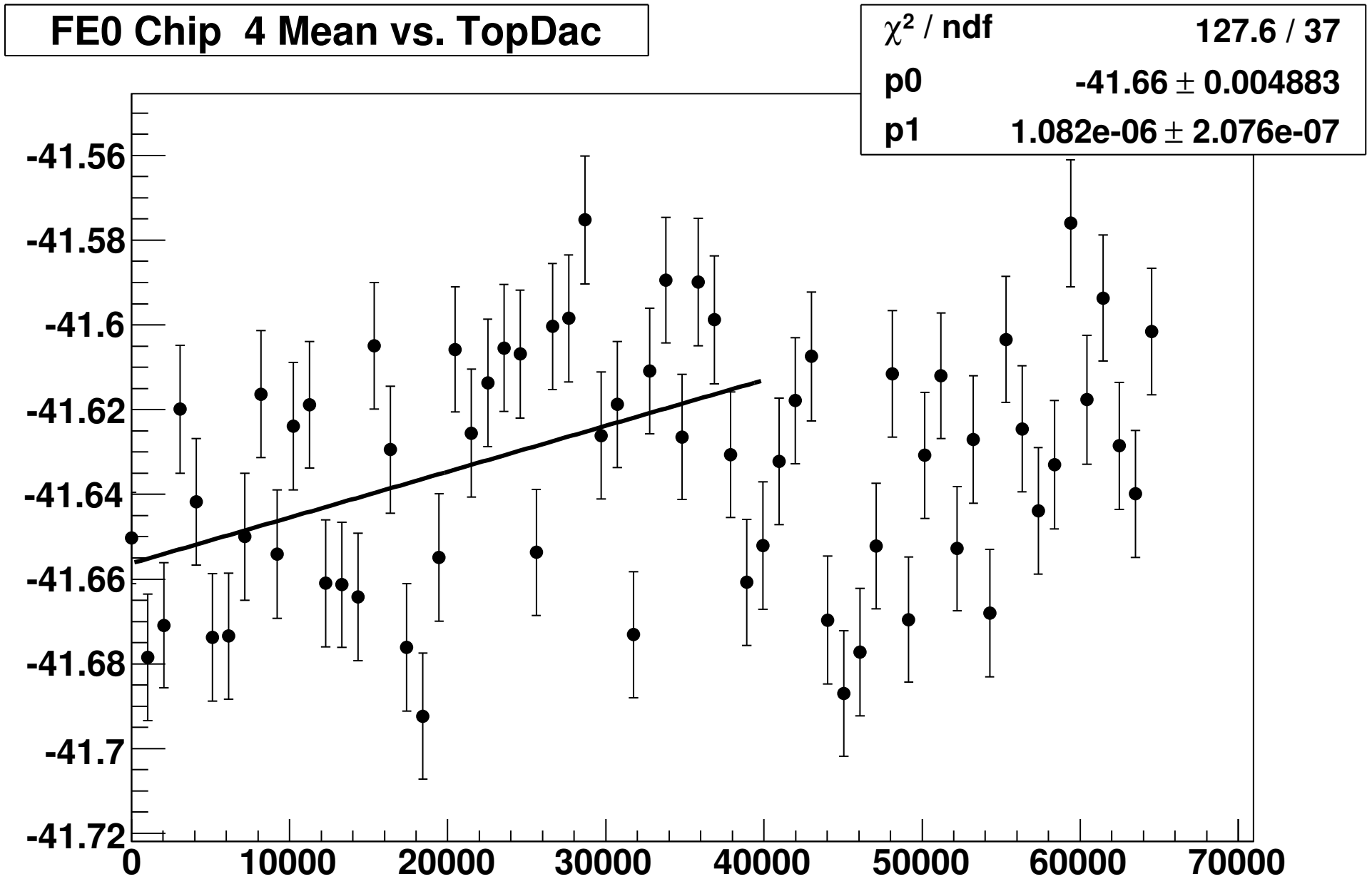
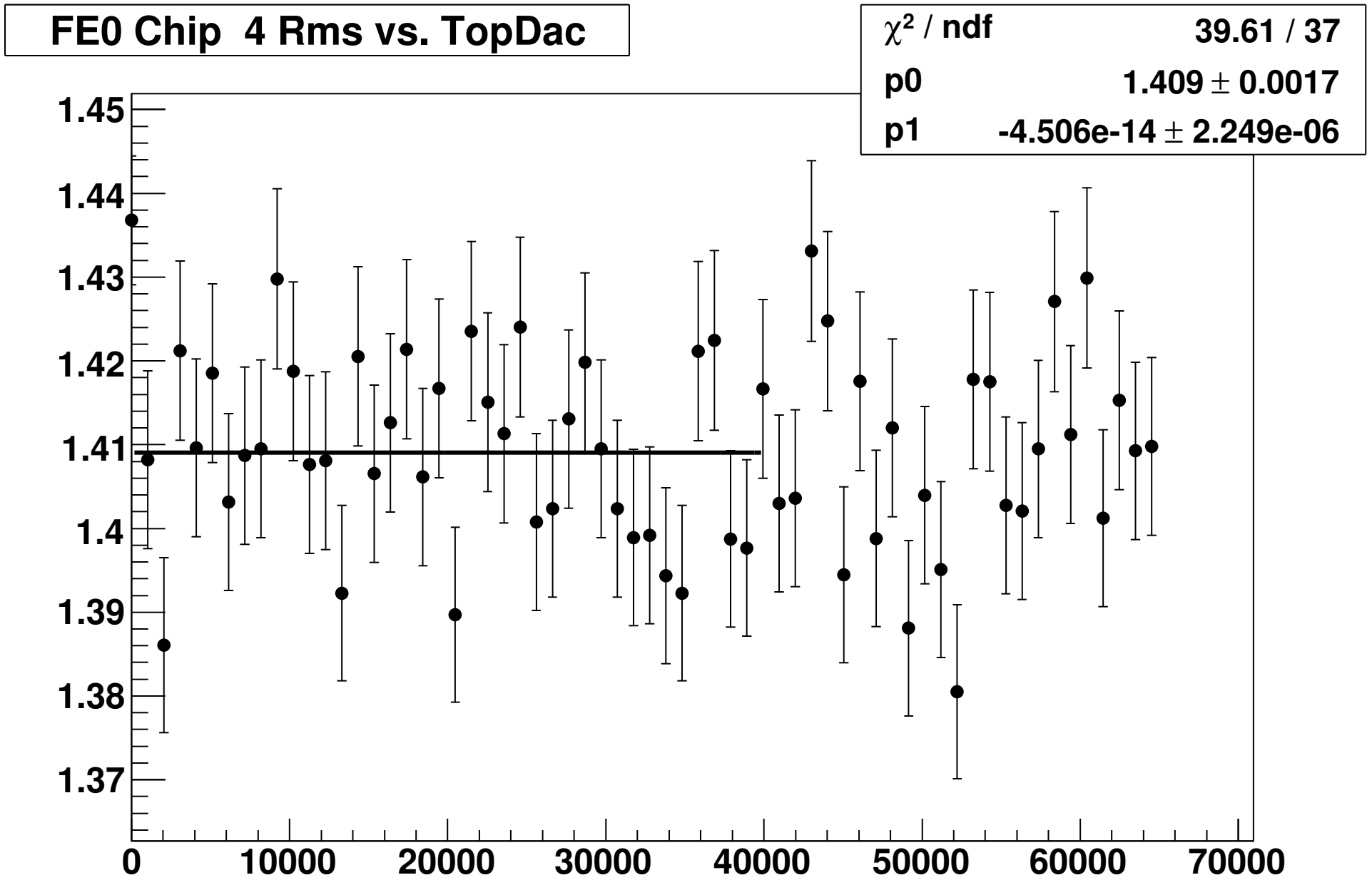
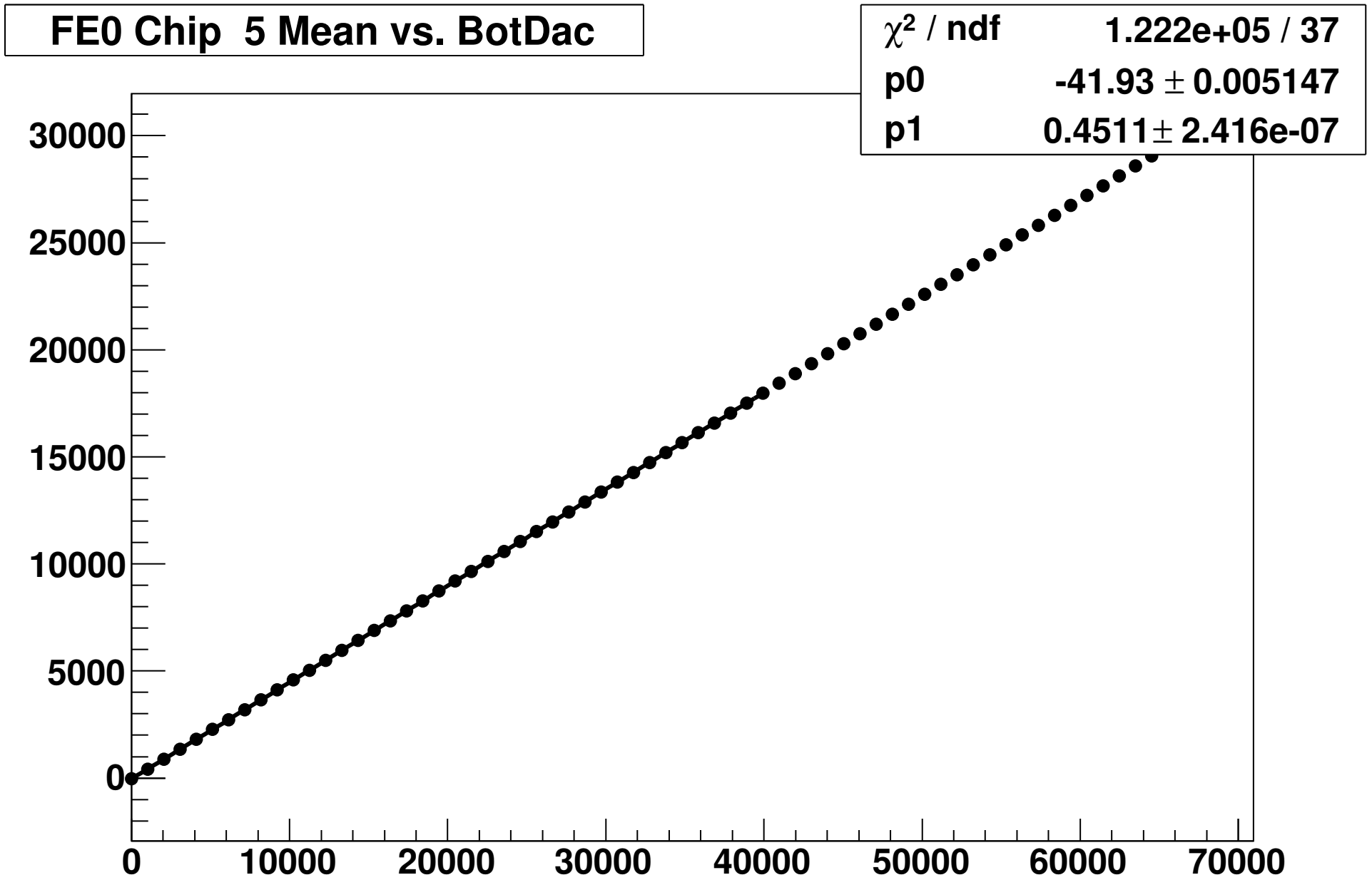
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 849.6 / 37
p0 1.389 ± 0.002841
p1 3.45e-05 ± 2.077e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 127.6 / 37
p0 -41.66 ± 0.004883
p1 1.082e-06 ± 2.076e-07
-41.56
-41.58
-41.6
-41.62
-41.64
-41.66
-41.68
-41.7
-41.72
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 39.61 / 37
p0 1.409 ± 0.0017
p1 -4.506e-14 ± 2.249e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.222e+05 / 37
p0 -41.93 ± 0.005147
p1 0.4511 ± 2.416e-07
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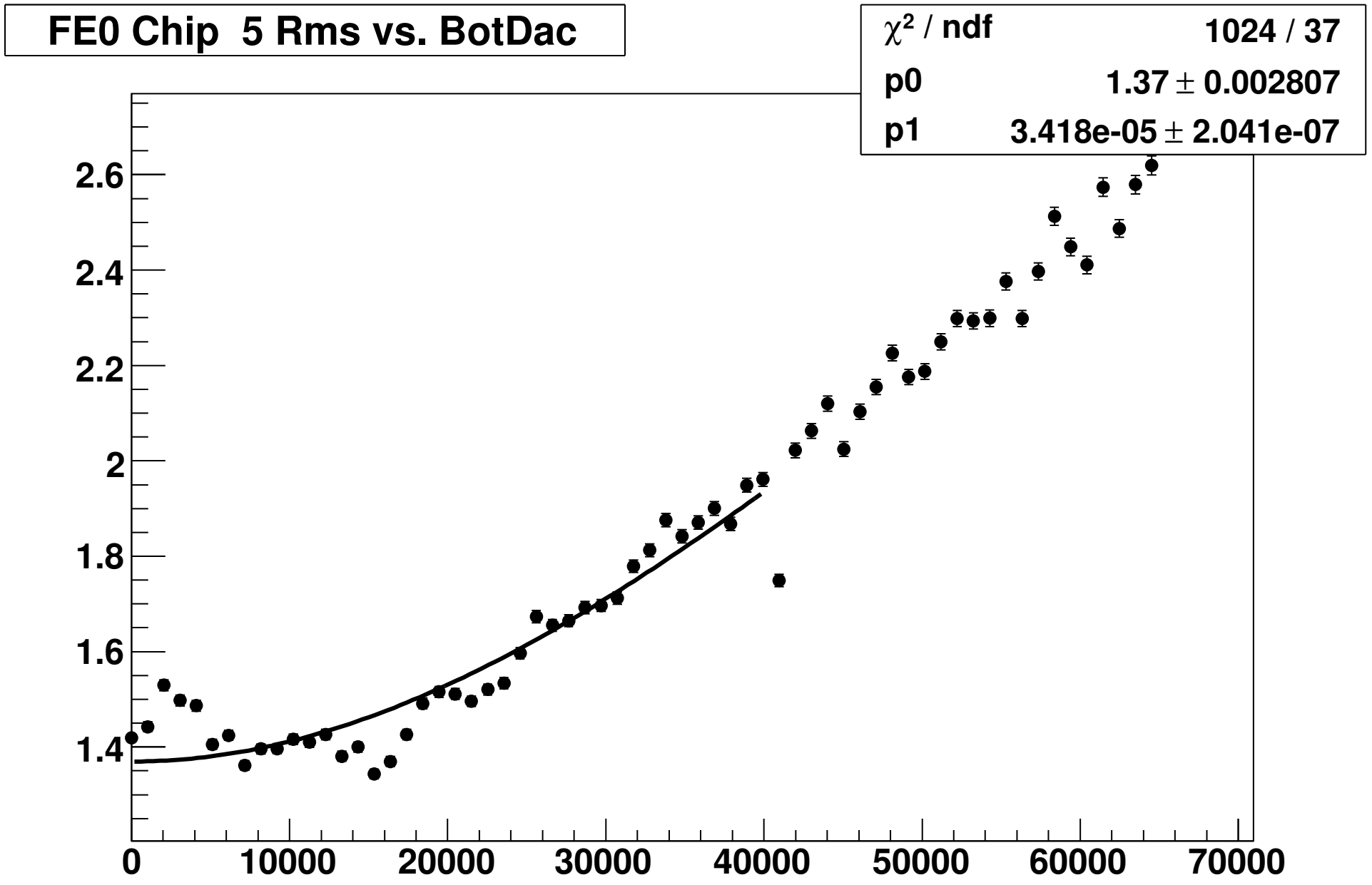
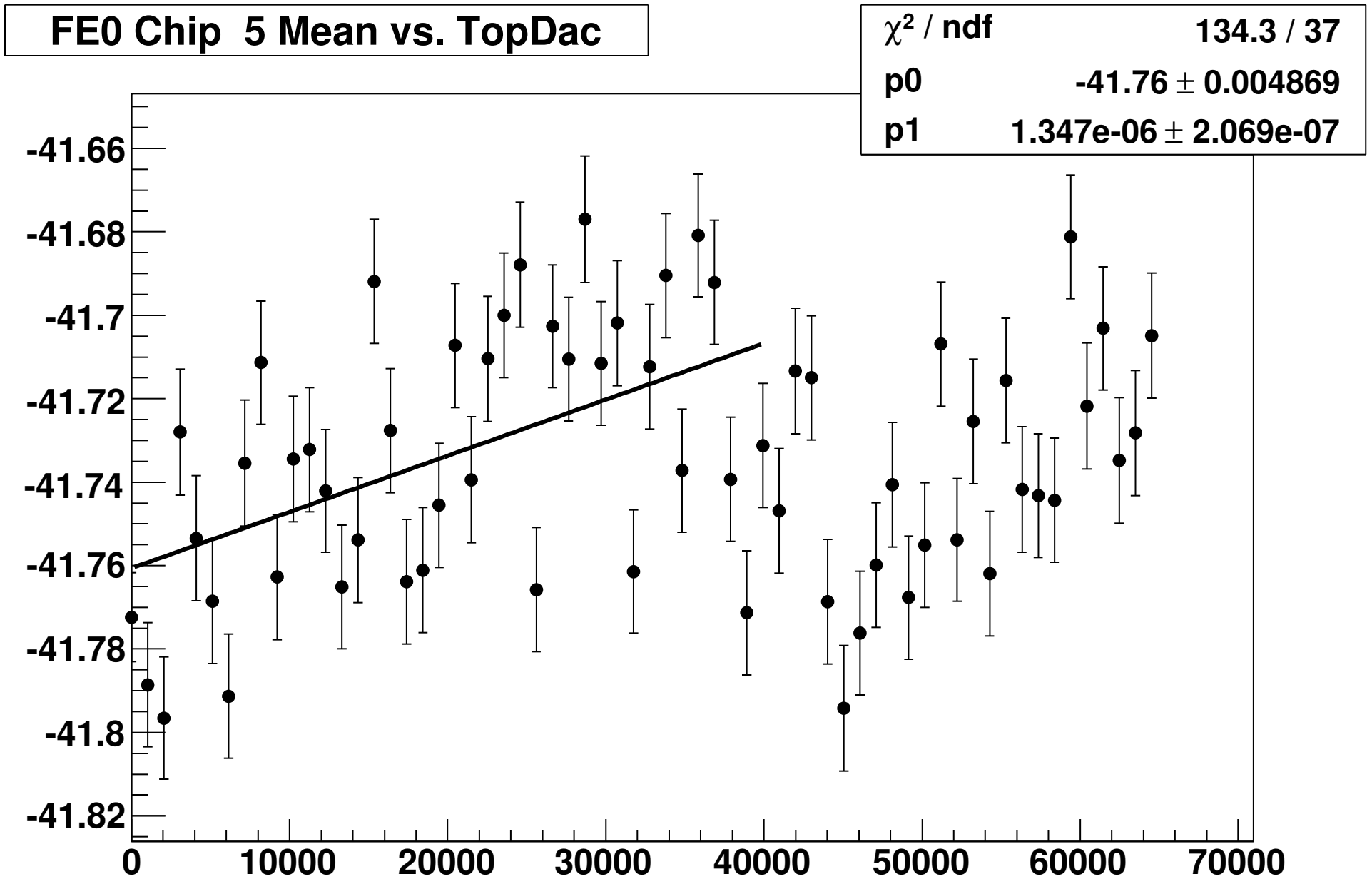
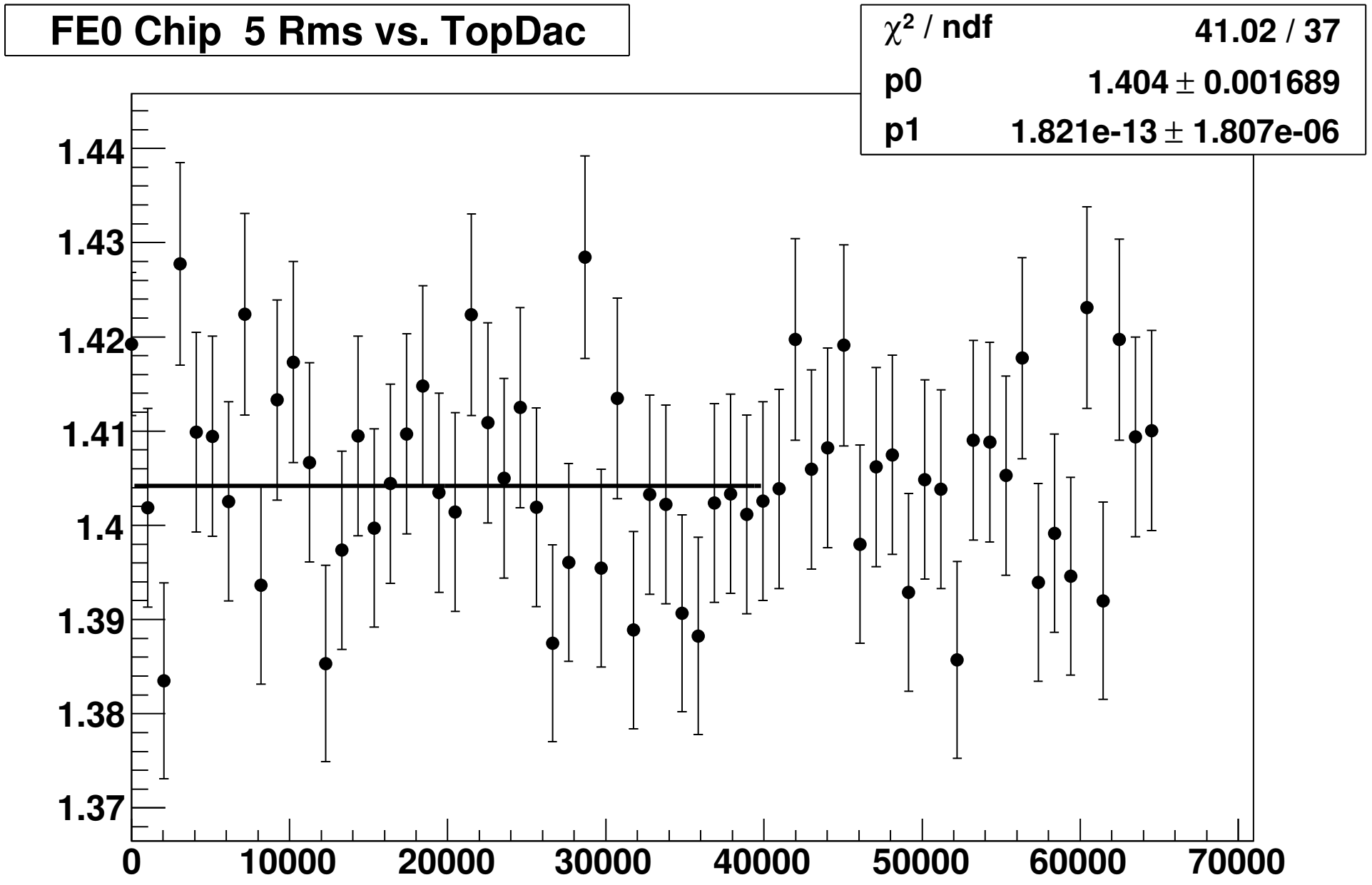
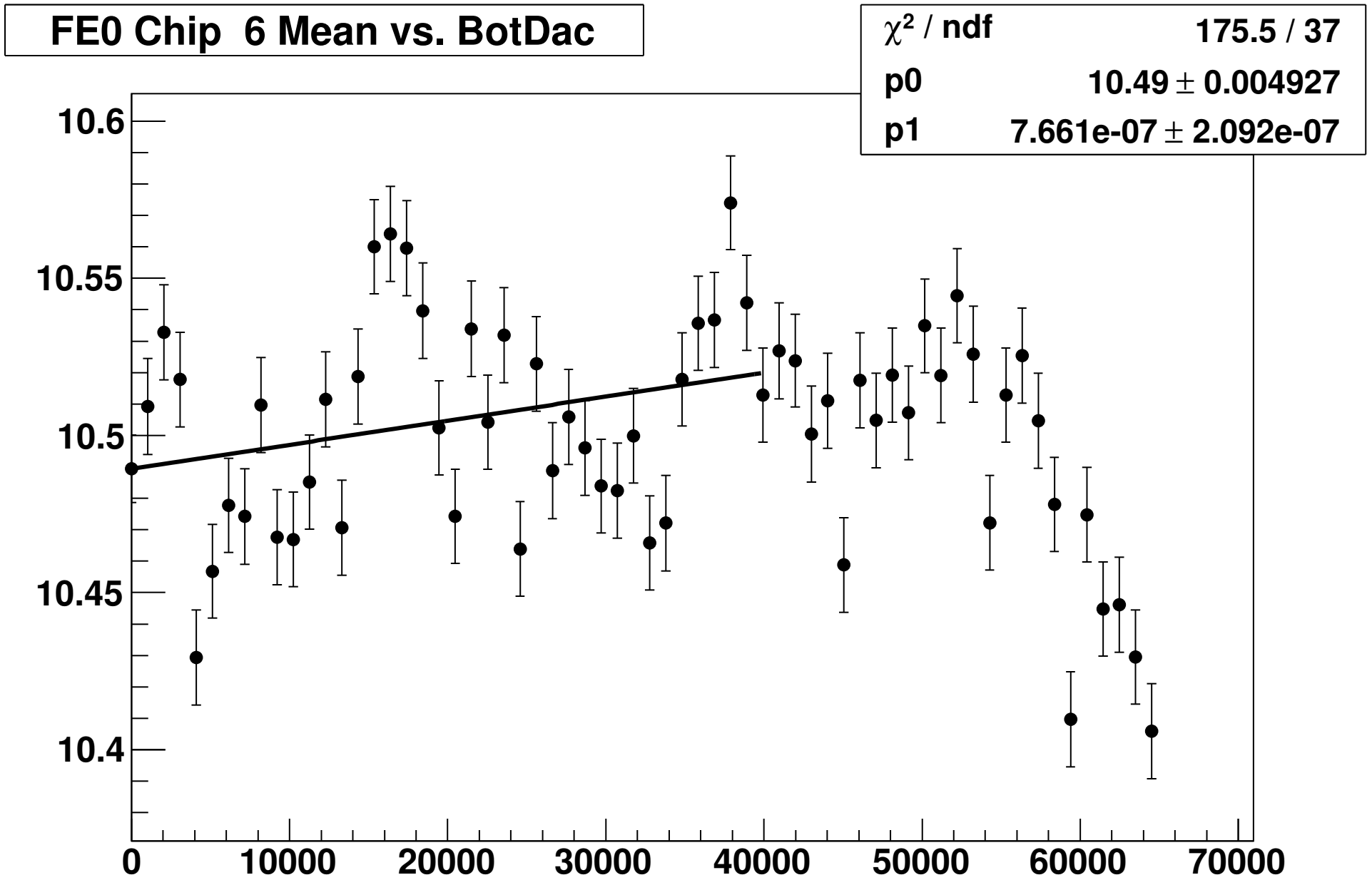
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 1024 / 37
p0 1.37 ± 0.002807
p1 3.418e-05 ± 2.041e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 134.3 / 37
p0 -41.76 ± 0.004869
p1 1.347e-06 ± 2.069e-07
-41.66
-41.68
-41.7
-41.72
-41.74
-41.76
-41.78
-41.8
-41.82
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 41.02 / 37
p0 1.404 ± 0.001689
p1 1.821e-13 ± 1.807e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 175.5 / 37
p0 10.49 ± 0.004927
p1 7.661e-07 ± 2.092e-07
10.6
10.55
10.5
10.45
10.4
0
10000
20000
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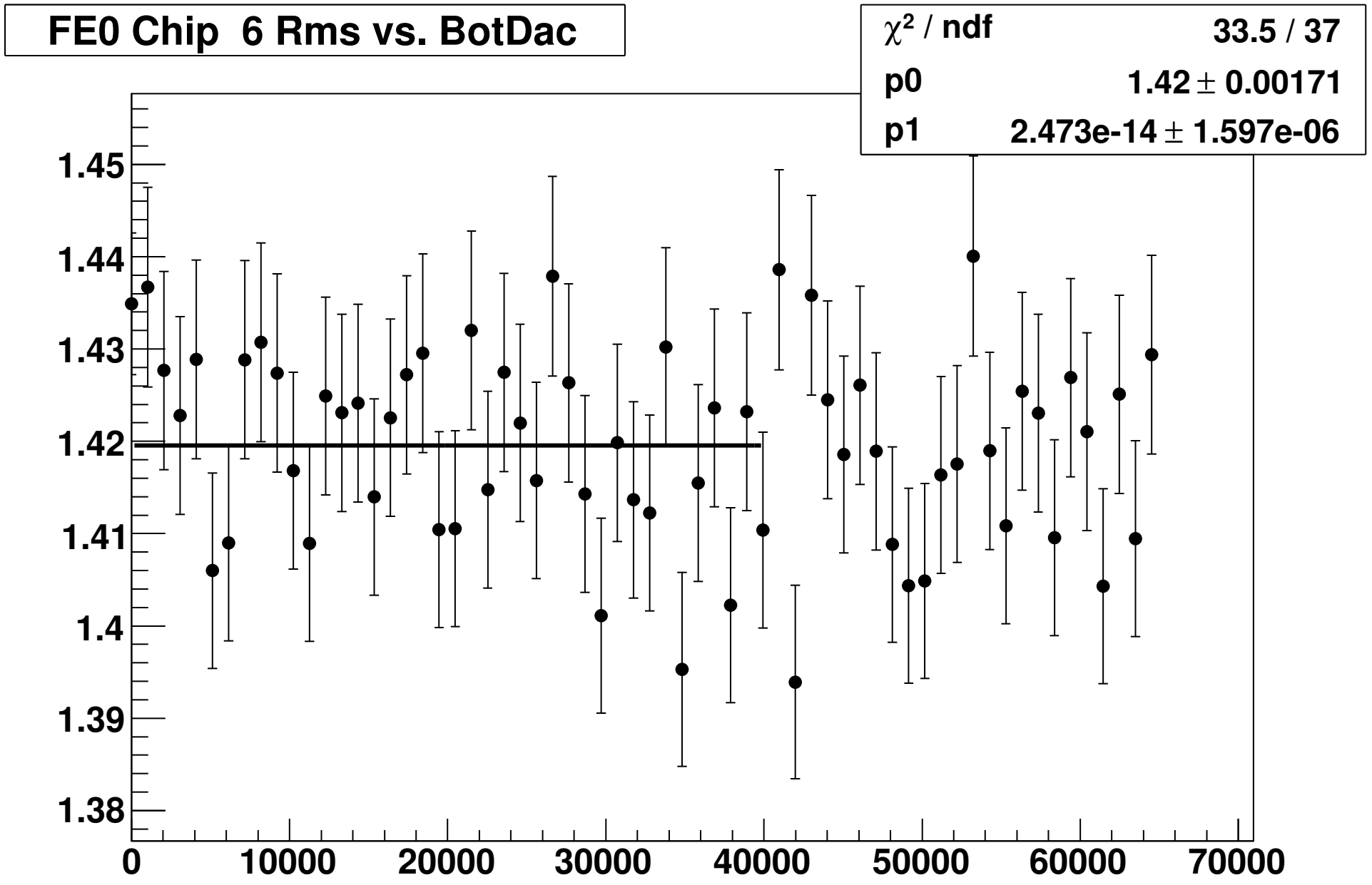
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 33.5 / 37
p0 1.42 ± 0.00171
p1 2.473e-14 ± 1.597e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
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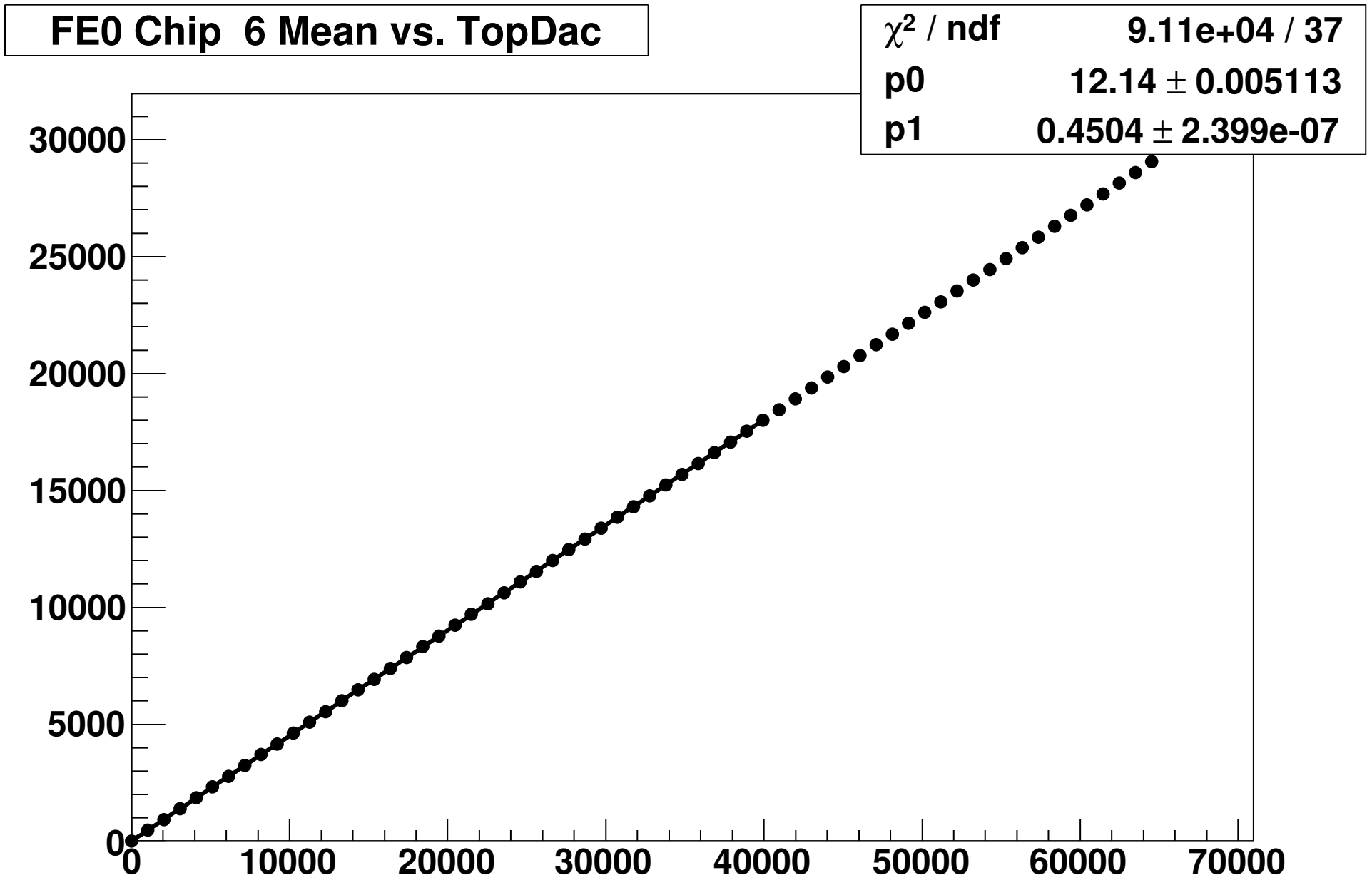
50000
60000
70000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 9.11e+04 / 37
p0 12.14 ± 0.005113
p1 0.4504 ± 2.399e-07
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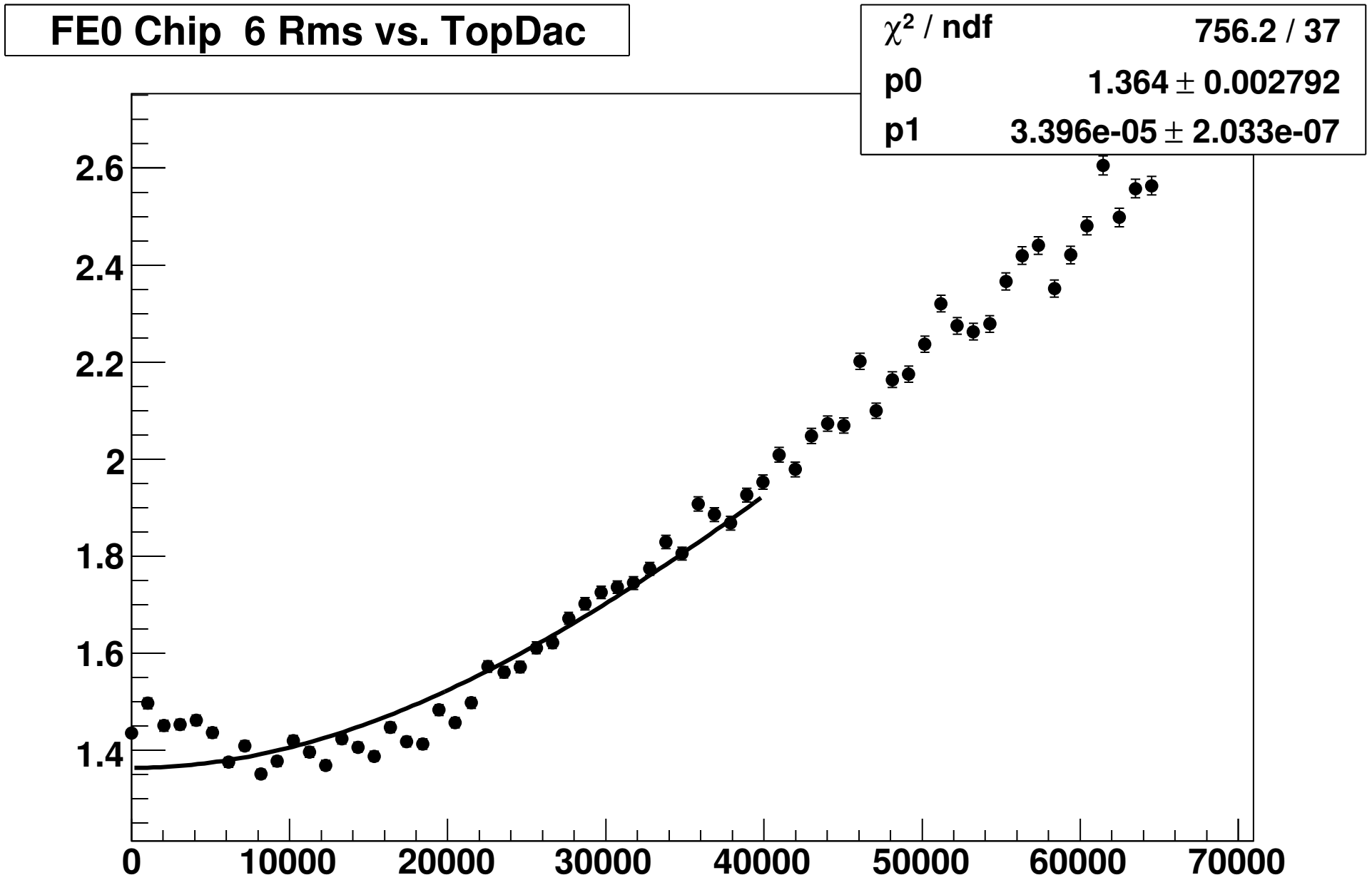
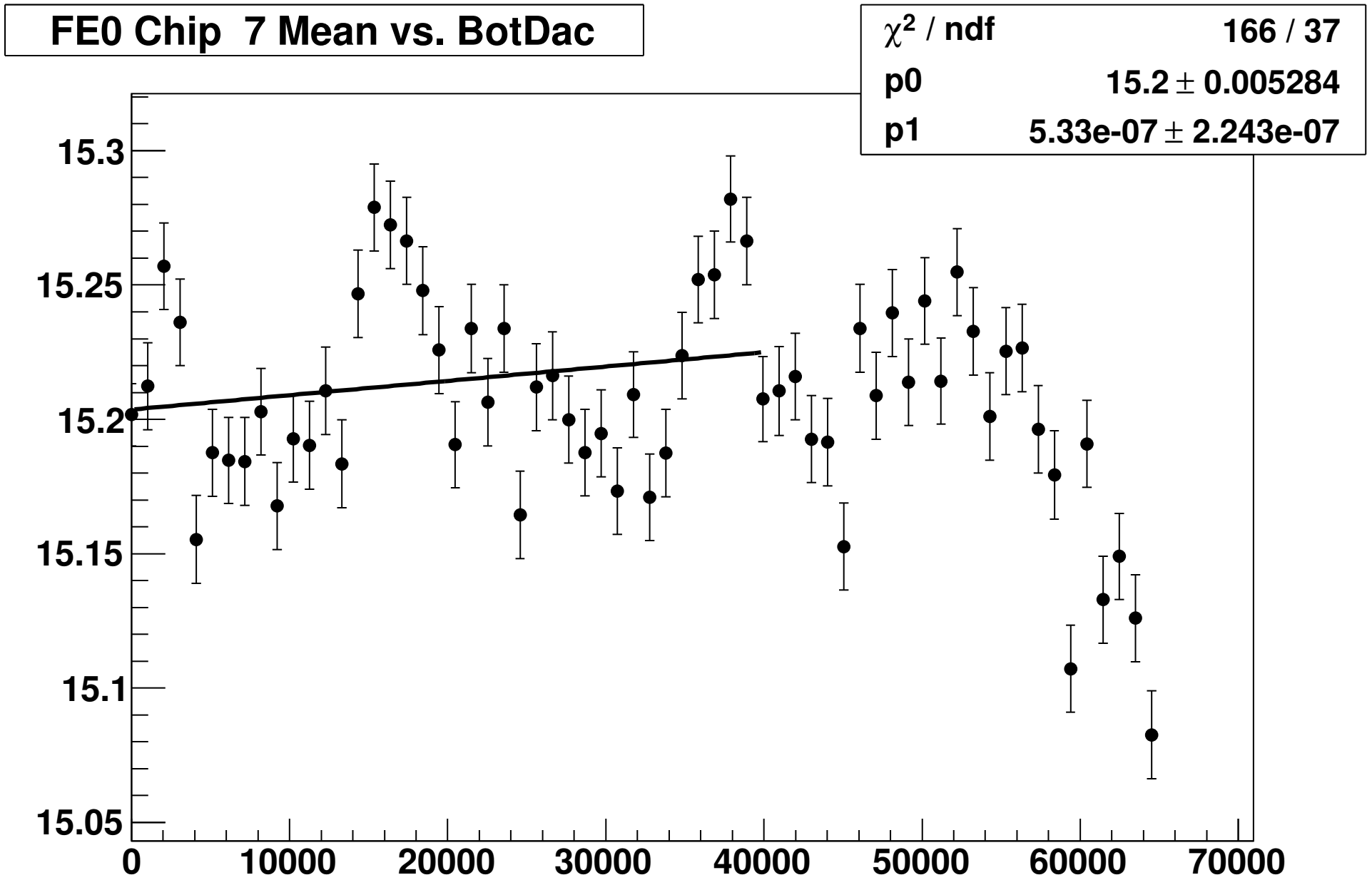
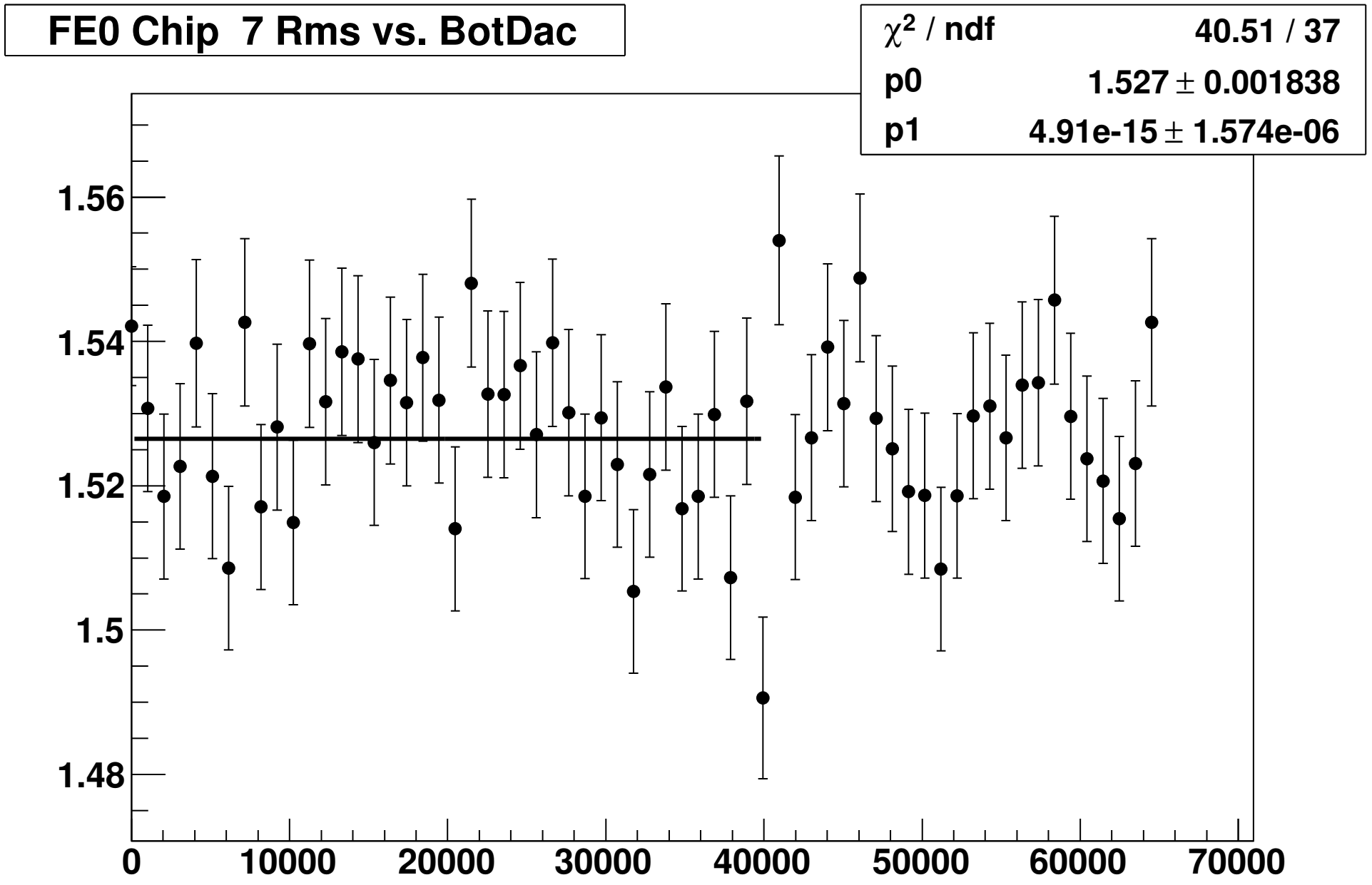
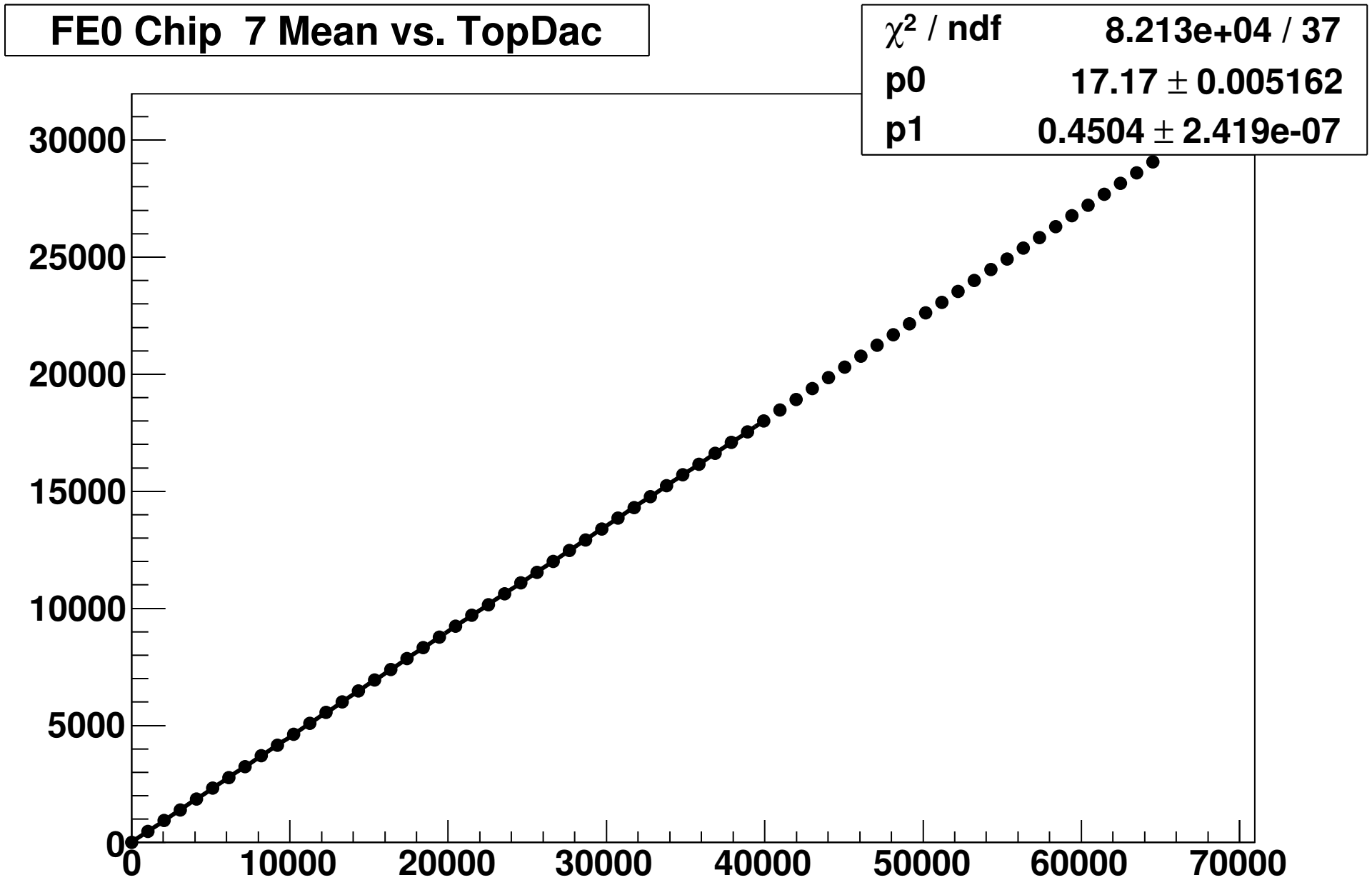
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 756.2 / 37
p0 1.364 ± 0.002792
p1 3.396e-05 ± 2.033e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 166 / 37
p0 15.2 ± 0.005284
p1 5.33e-07 ± 2.243e-07
15.3
15.25
15.2
15.15
15.1
15.05
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 40.51 / 37
p0 1.527 ± 0.001838
p1 4.91e-15 ± 1.574e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 8.213e+04 / 37
p0 17.17 ± 0.005162
p1 0.4504 ± 2.419e-07
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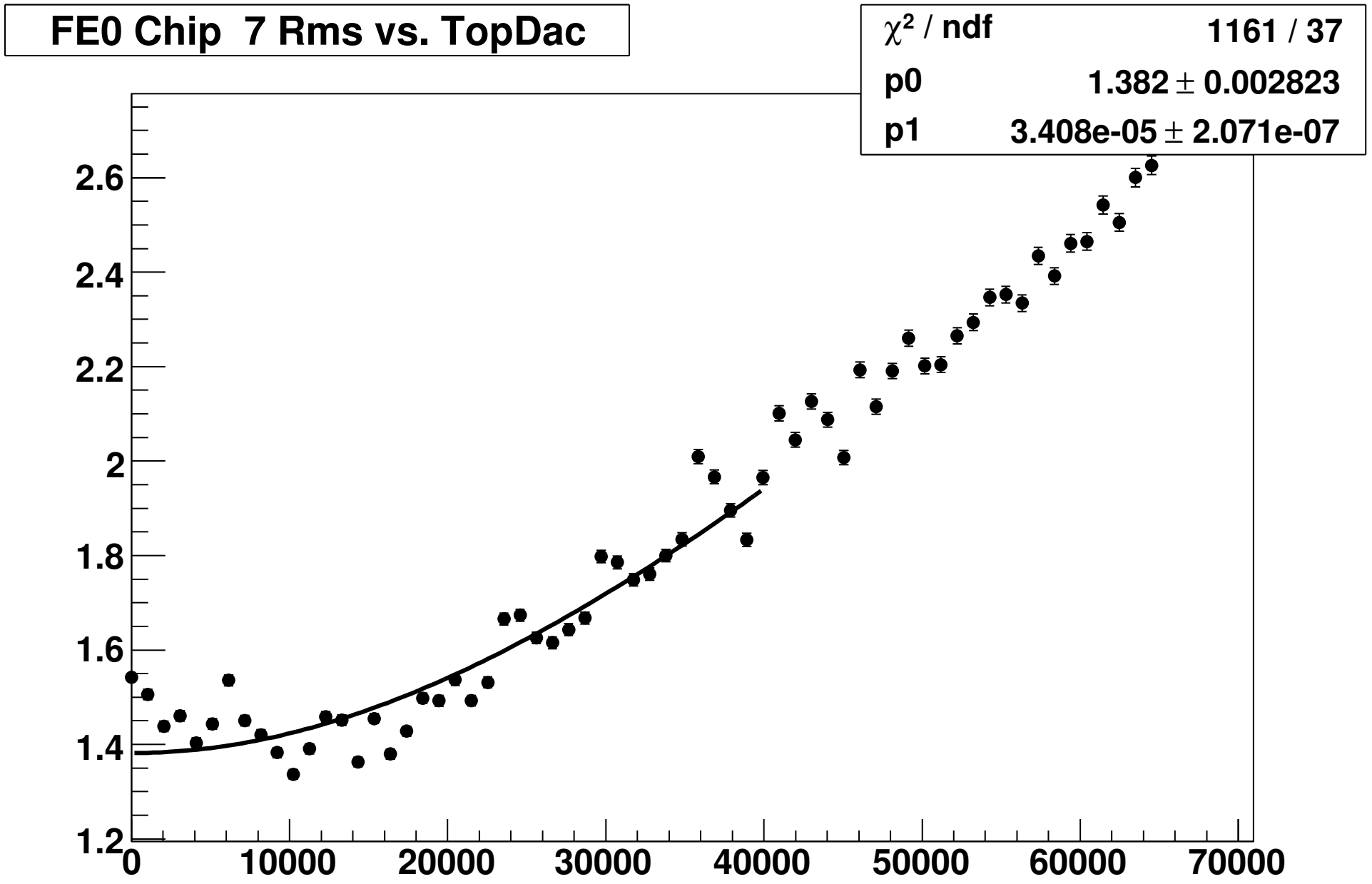
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1161 / 37
p0 1.382 ± 0.002823
p1 3.408e-05 ± 2.071e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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40000
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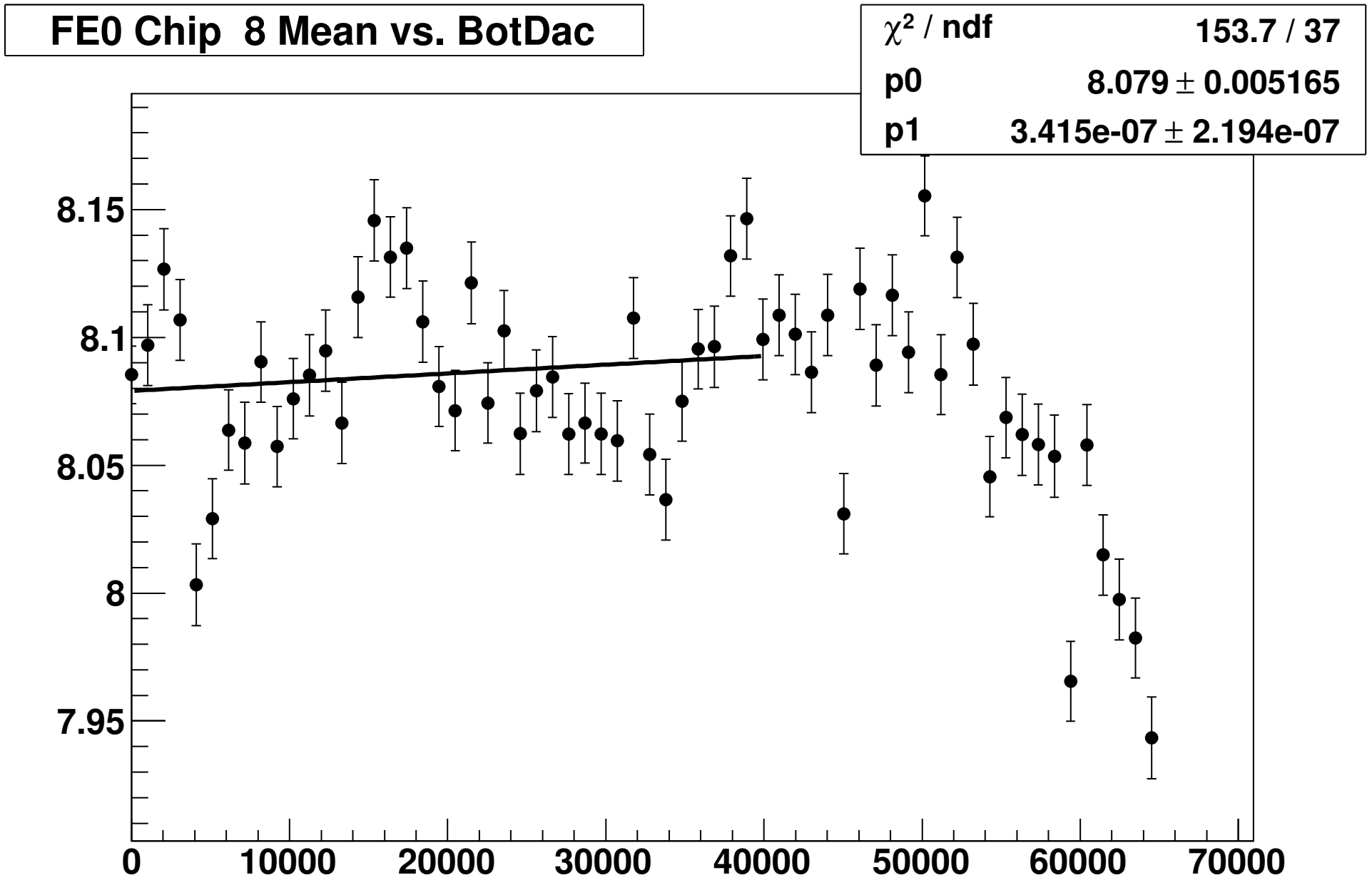
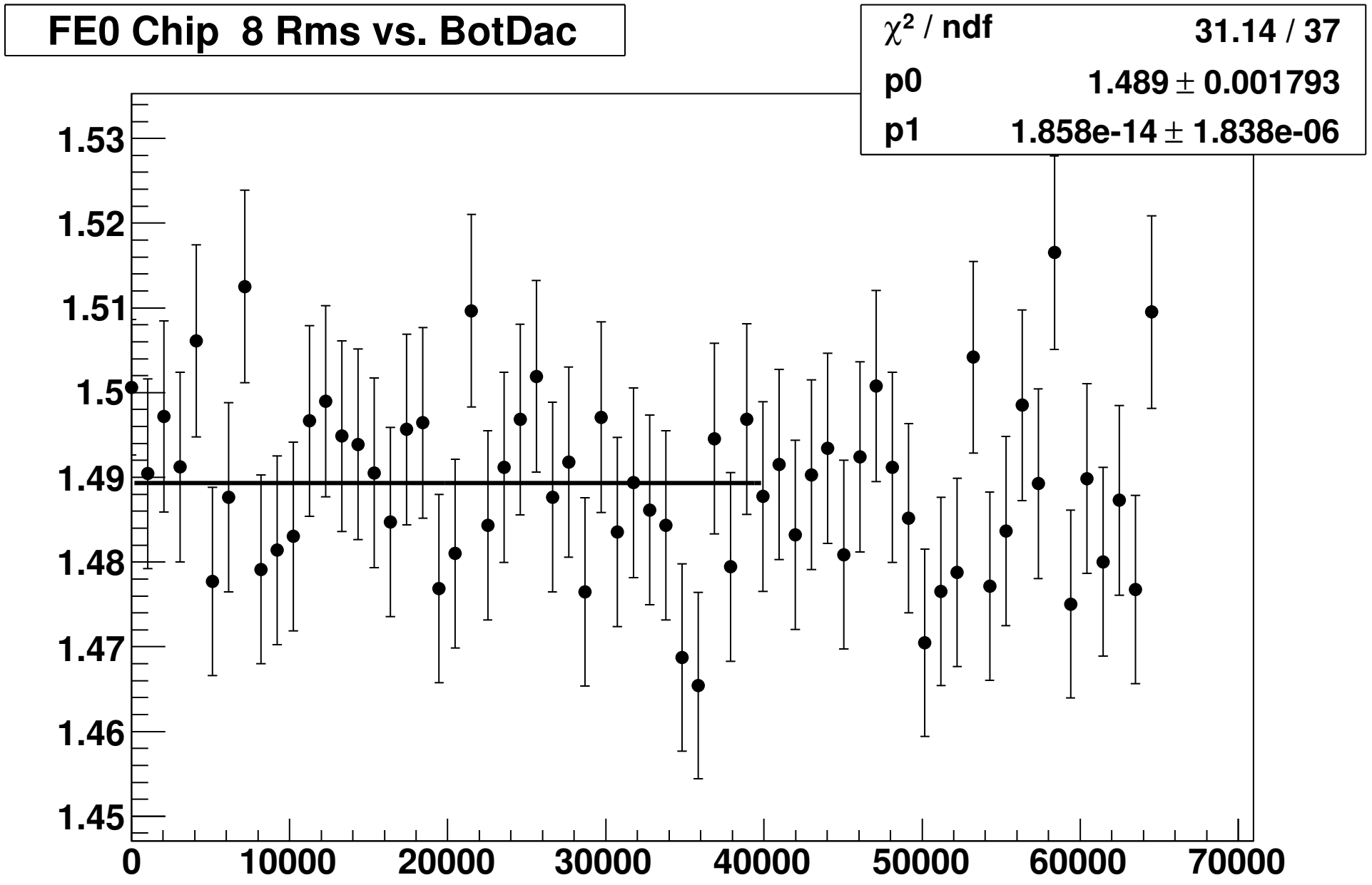

FE0 Chip 8 Mean vs. BotDac
χ² / ndf 153.7 / 37
p0 8.079 ± 0.005165
p1 3.415e-07 ± 2.194e-07
8.15
8.1
8.05
8
7.95
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 31.14 / 37
p0 1.489 ± 0.001793
p1 1.858e-14 ± 1.838e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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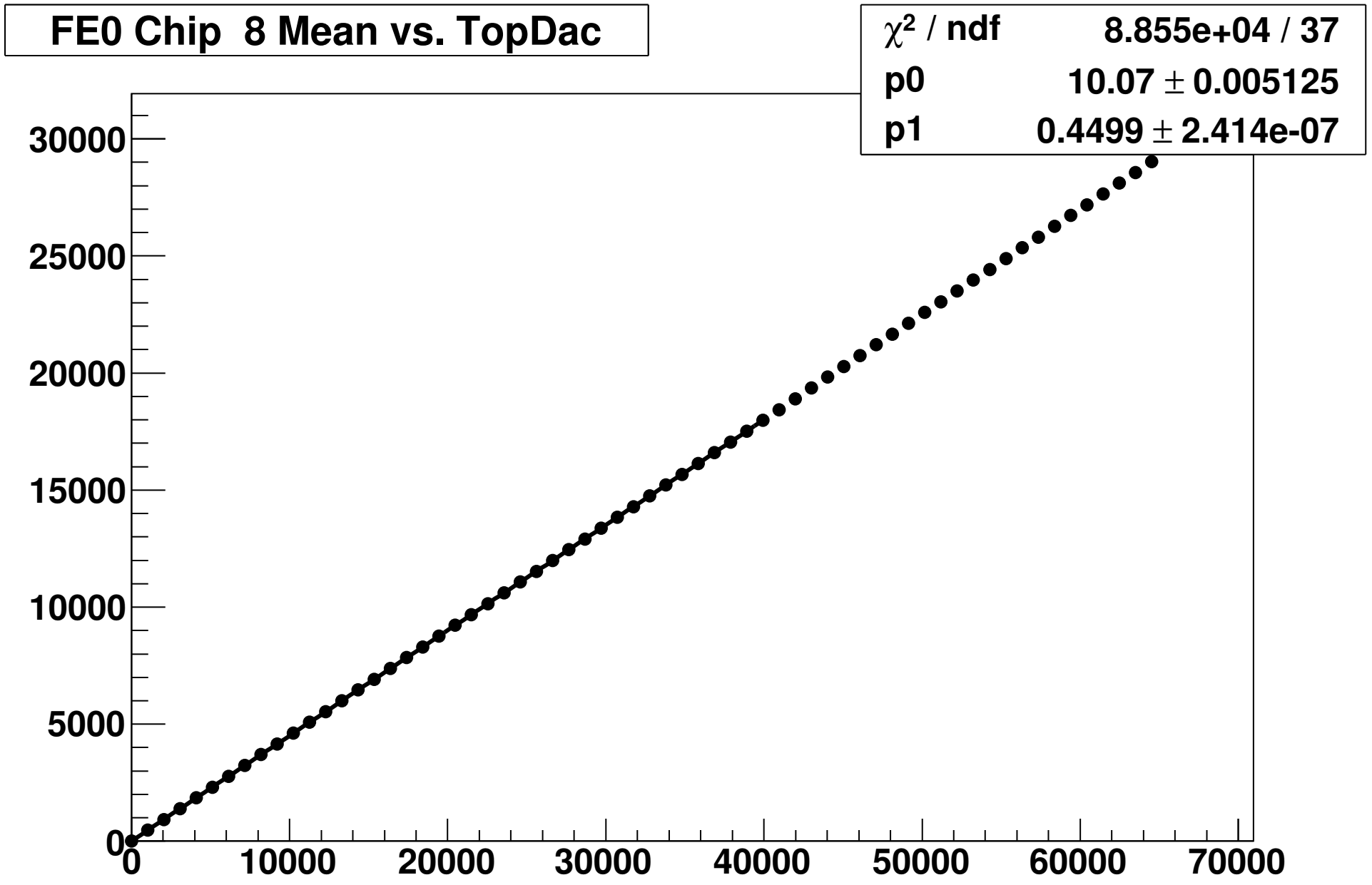
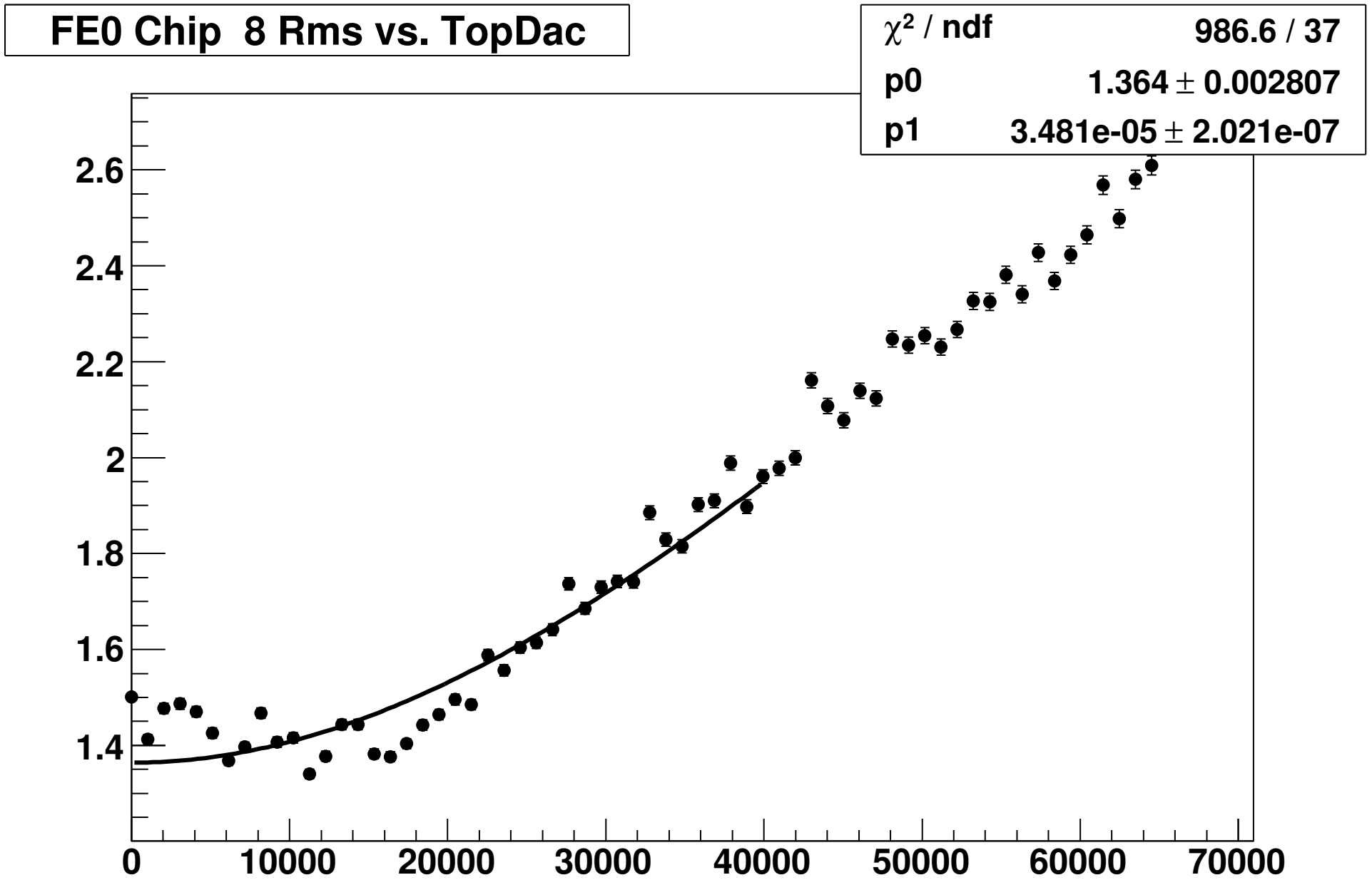

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 8.855e+04 / 37
p0 10.07 ± 0.005125
p1 0.4499 ± 2.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 986.6 / 37
p0 1.364 ± 0.002807
p1 3.481e-05 ± 2.021e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
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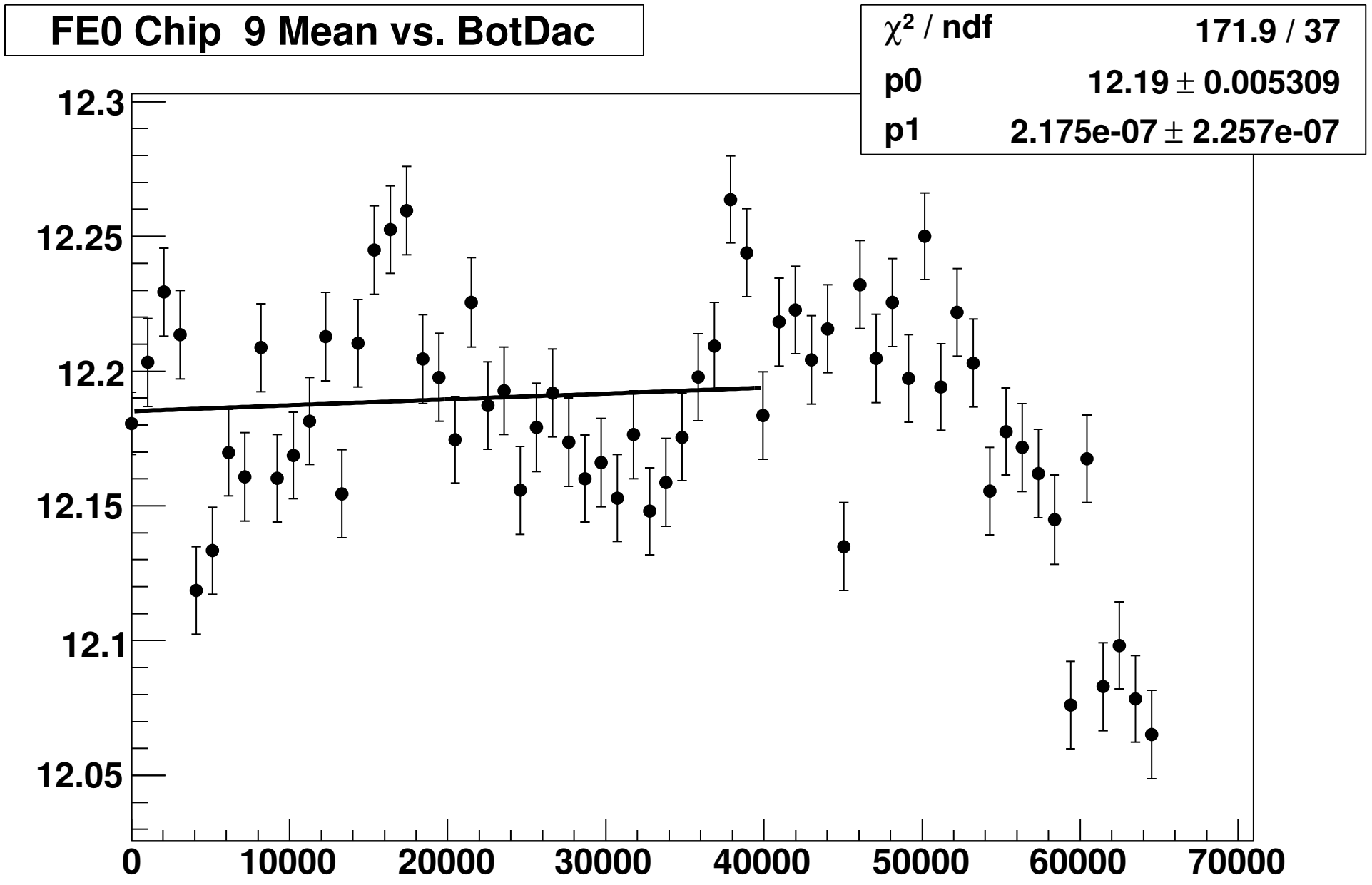
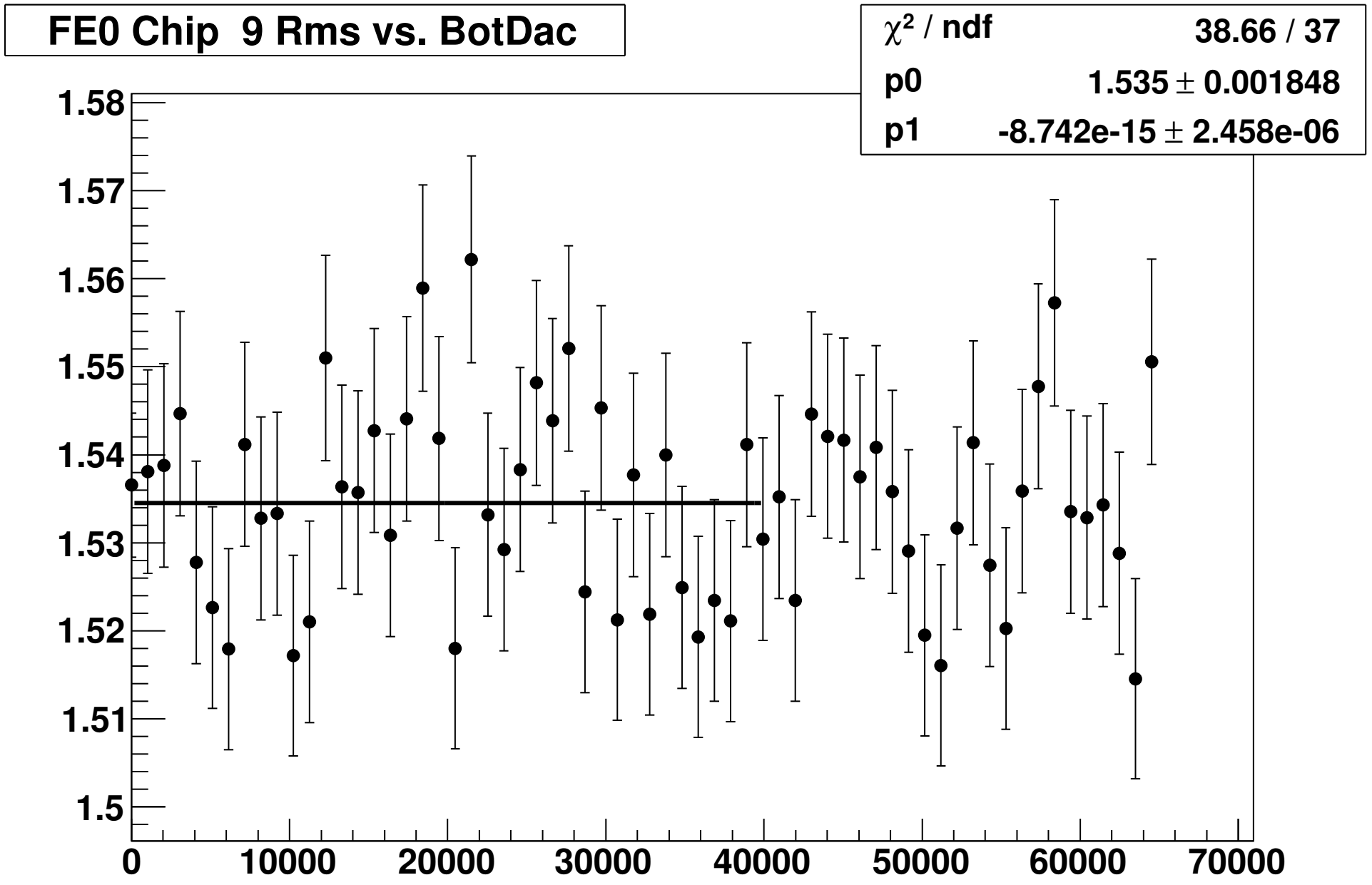

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 171.9 / 37
p0 12.19 ± 0.005309
p1 2.175e-07 ± 2.257e-07
12.3
12.25
12.2
12.15
12.1
12.05
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 38.66 / 37
p0 1.535 ± 0.001848
p1 -8.742e-15 ± 2.458e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
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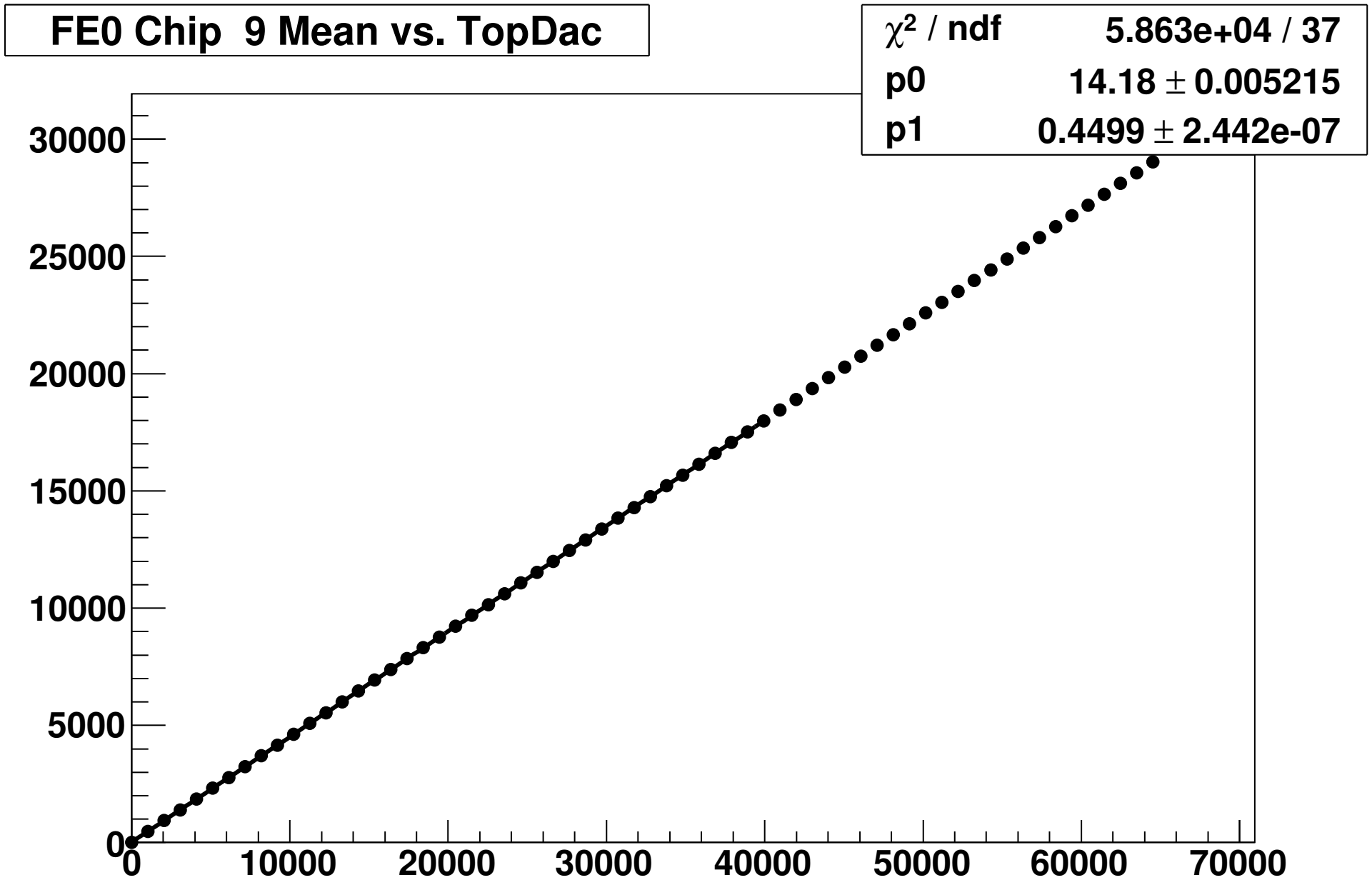
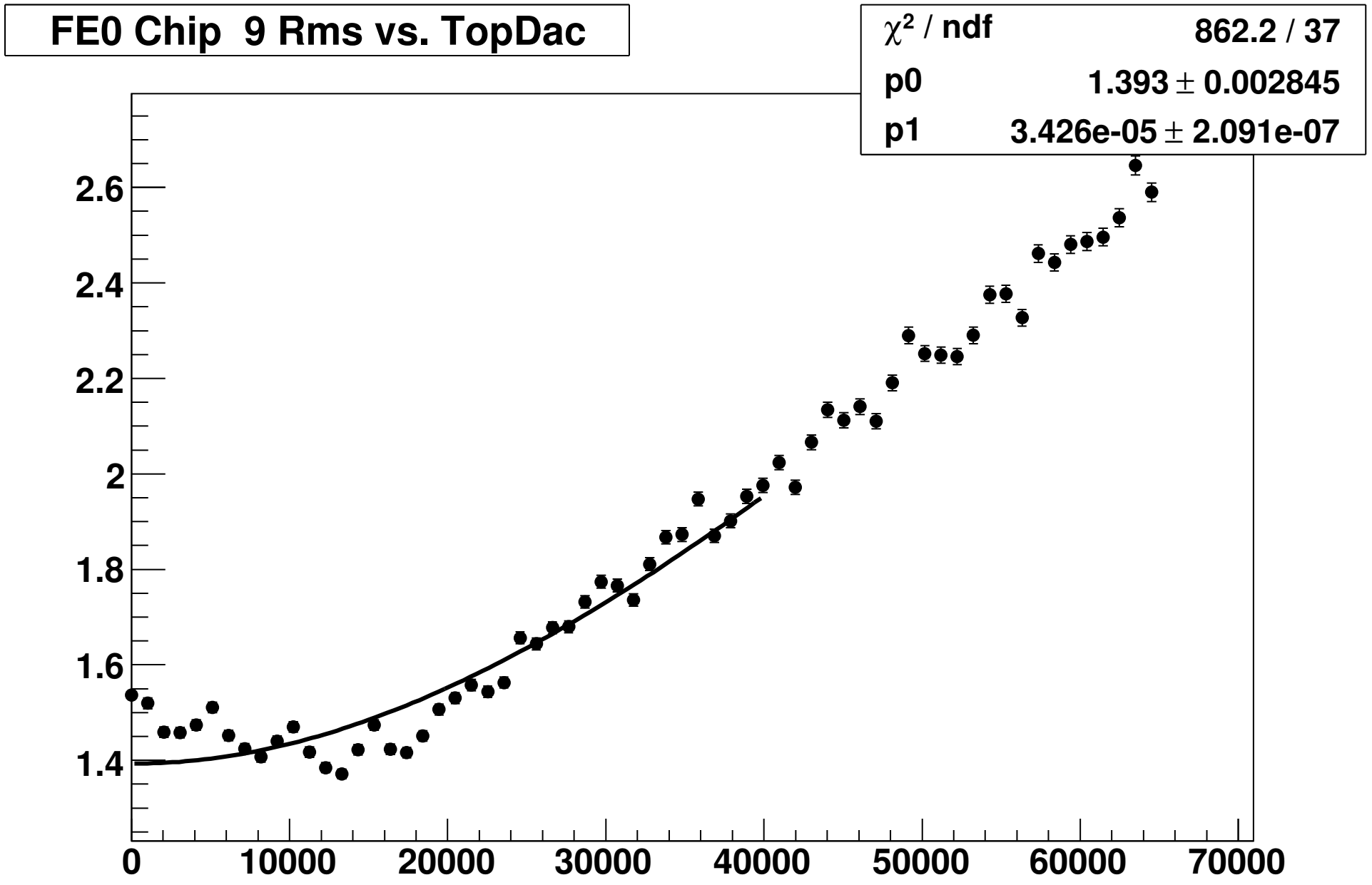
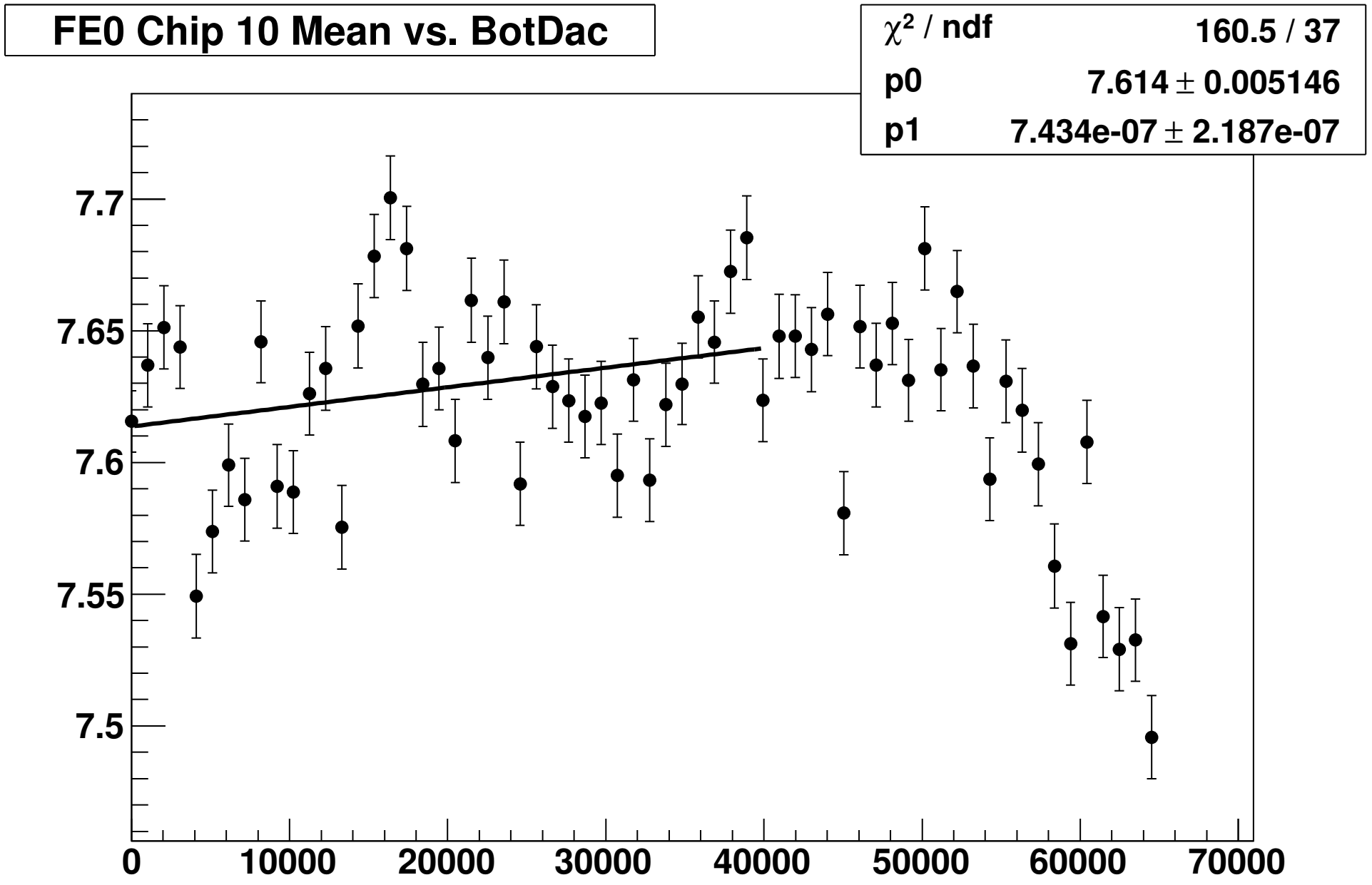
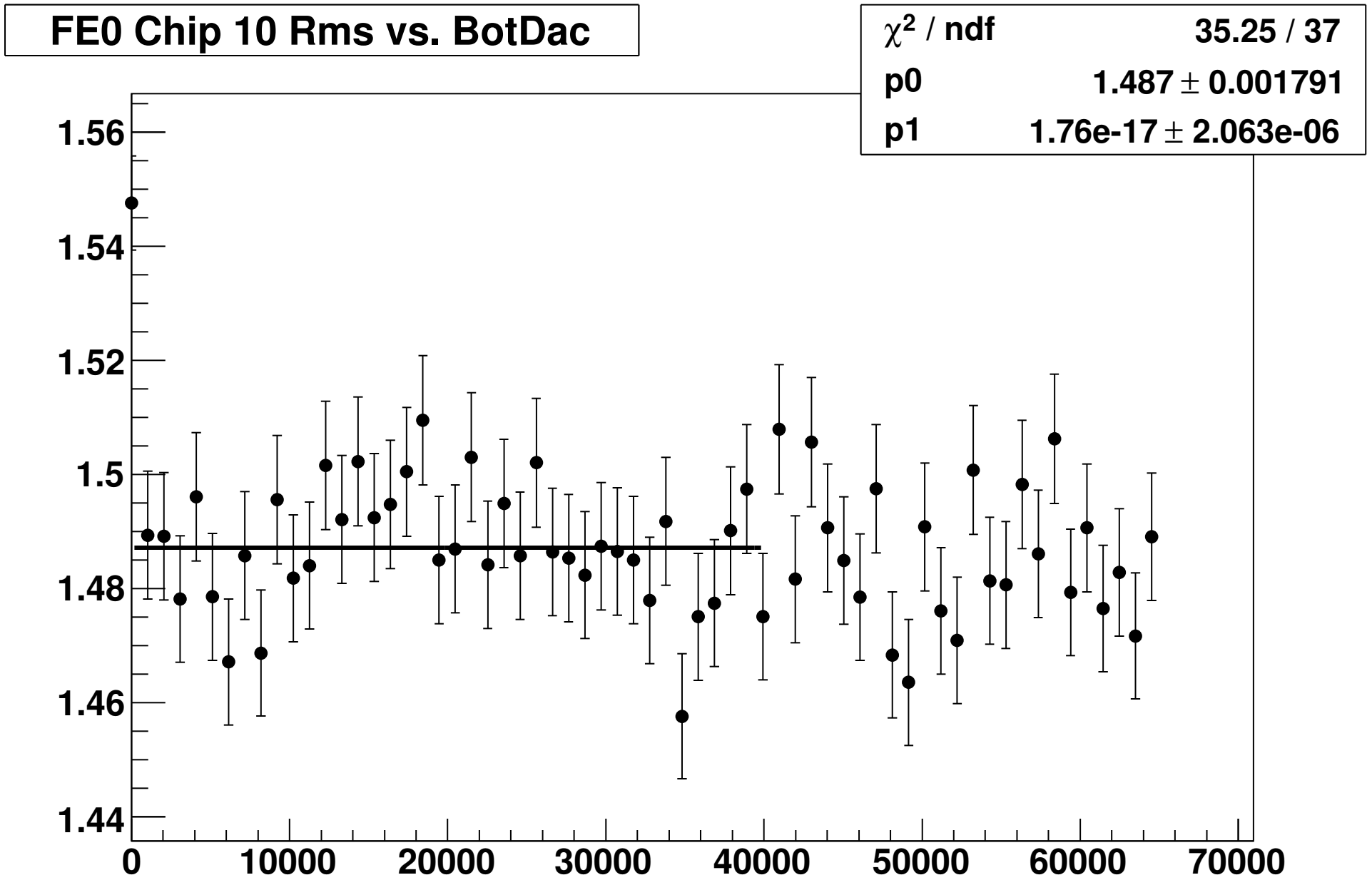
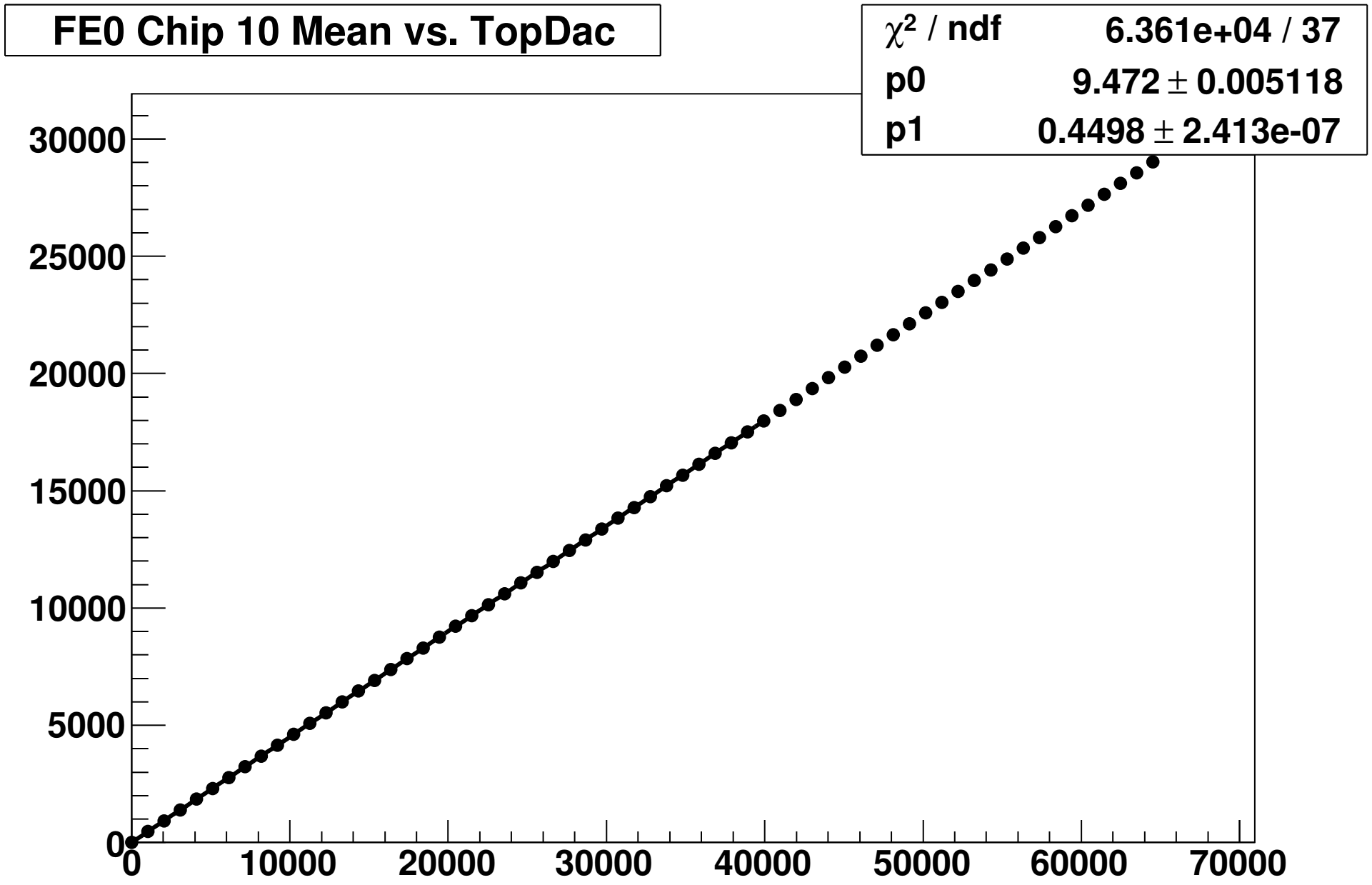
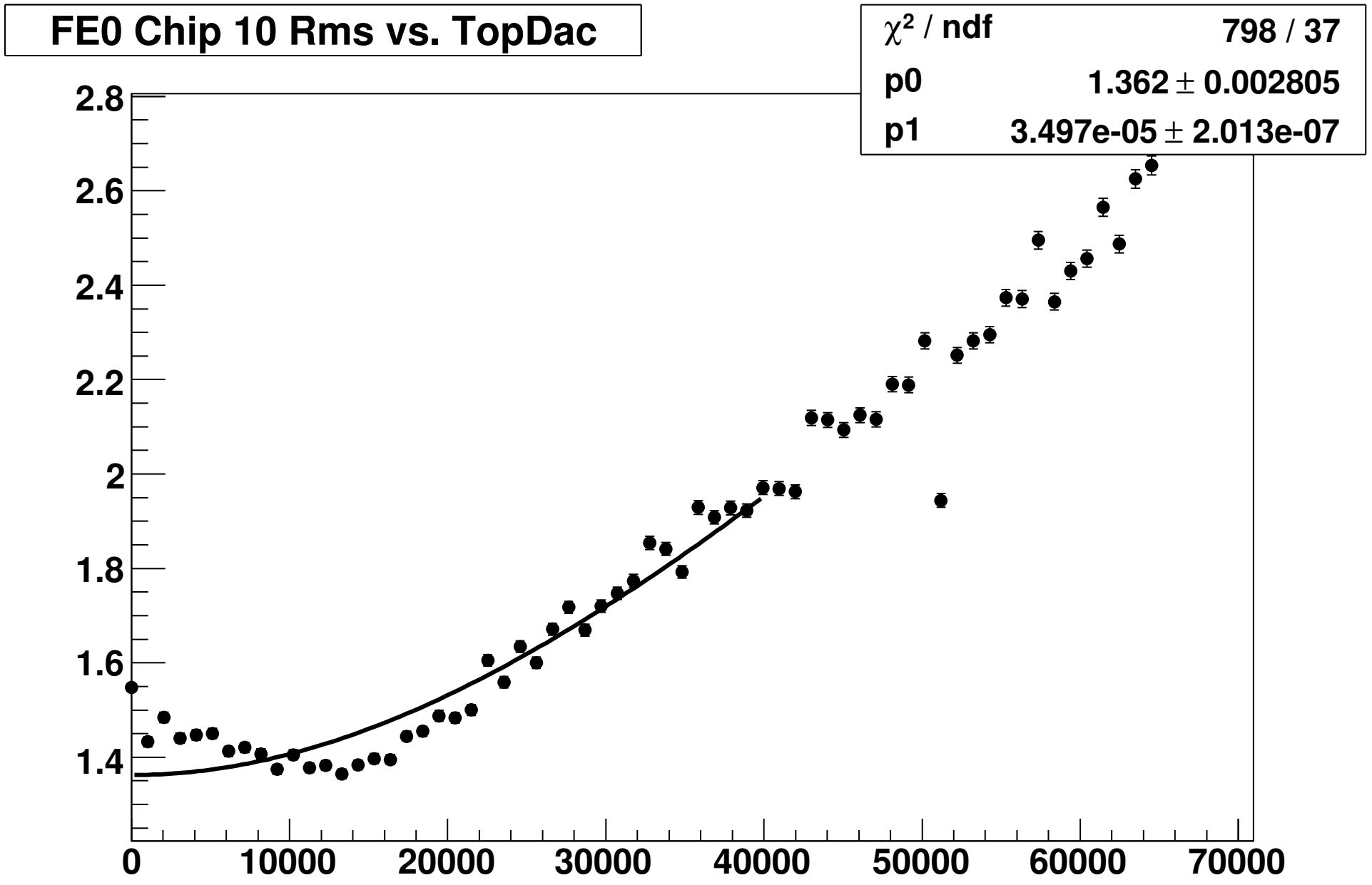

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 5.863e+04 / 37
p0 14.18 ± 0.005215
p1 0.4499 ± 2.442e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

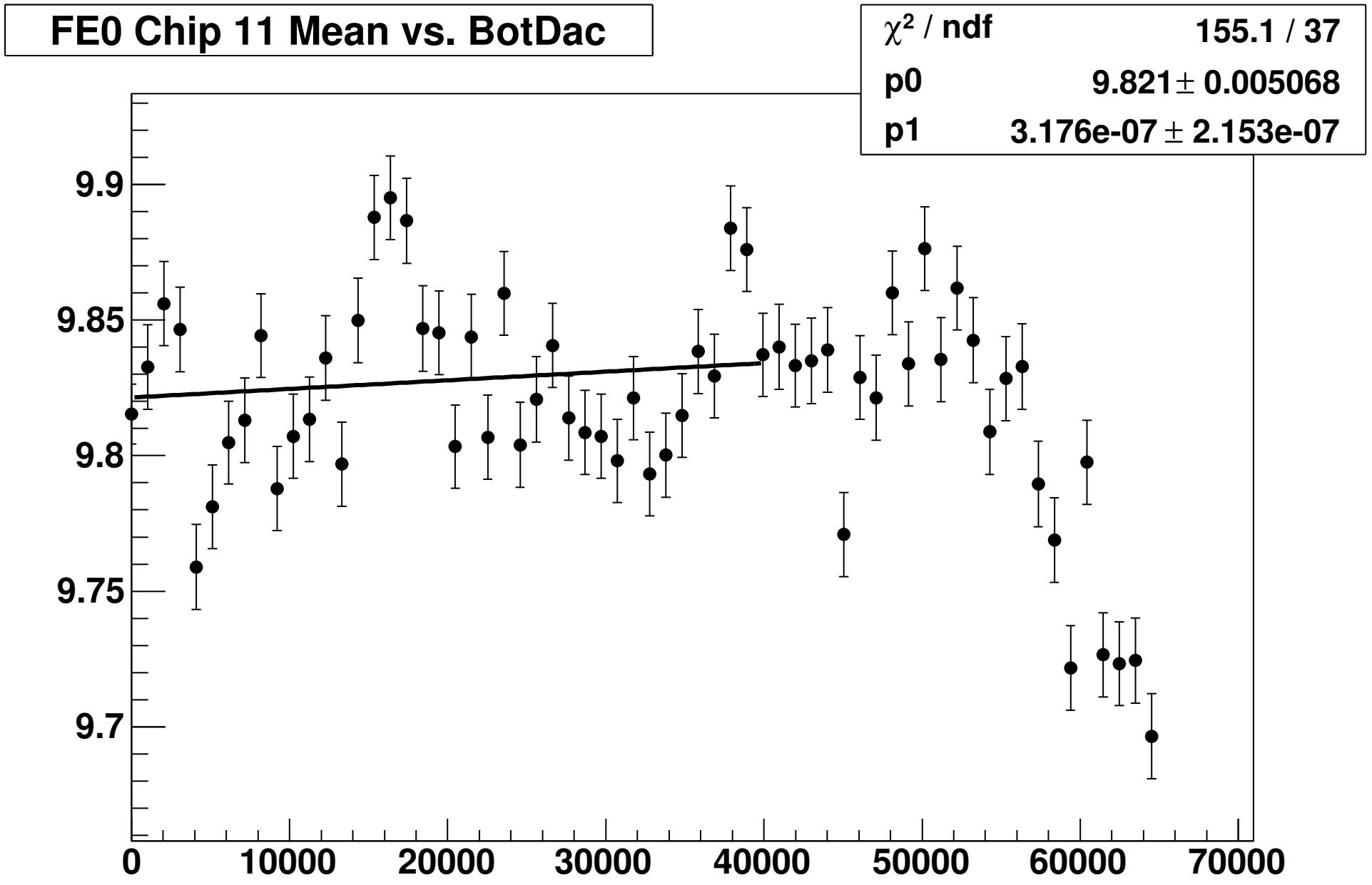

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 862.2 / 37
p0 1.393 ± 0.002845
p1 3.426e-05 ± 2.091e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

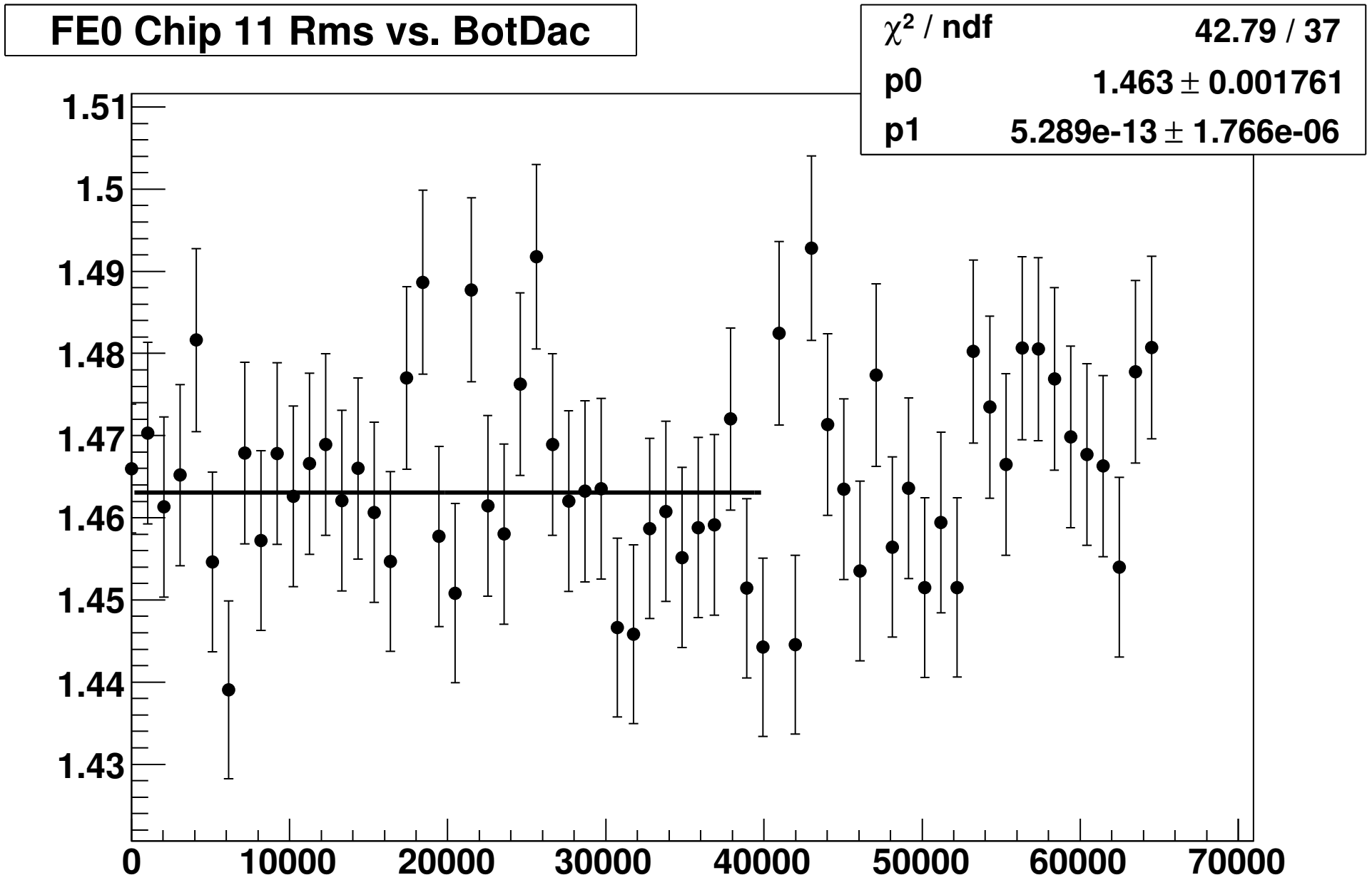

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 160.5 / 37
p0 7.614 ± 0.005146
p1 7.434e-07 ± 2.187e-07
7.7
7.65
7.6
7.55
7.5
0
10000
20000
30000
40000
50000
60000
70000

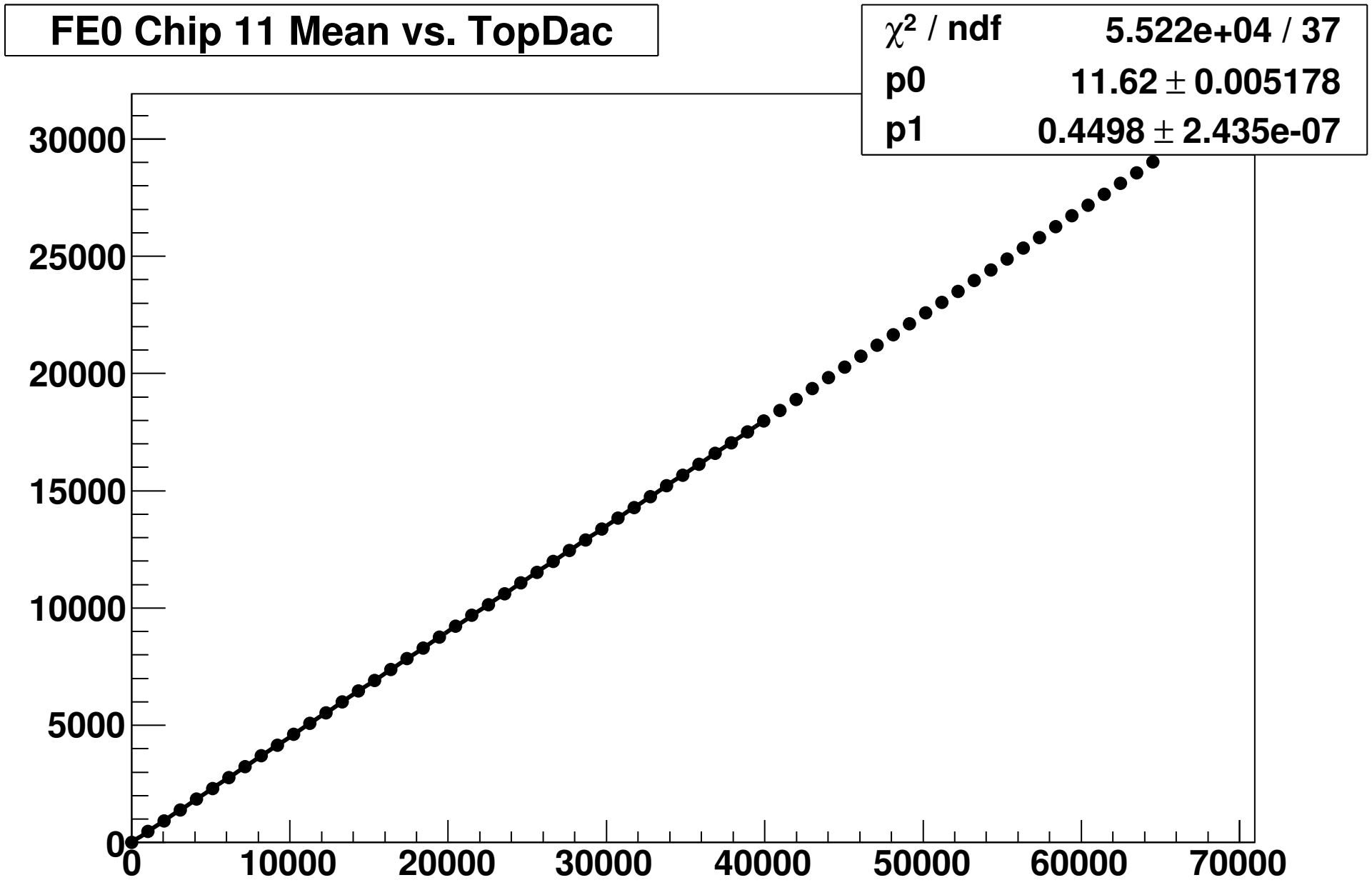

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 35.25 / 37
p0 1.487 ± 0.001791
p1 1.76e-17 ± 2.063e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

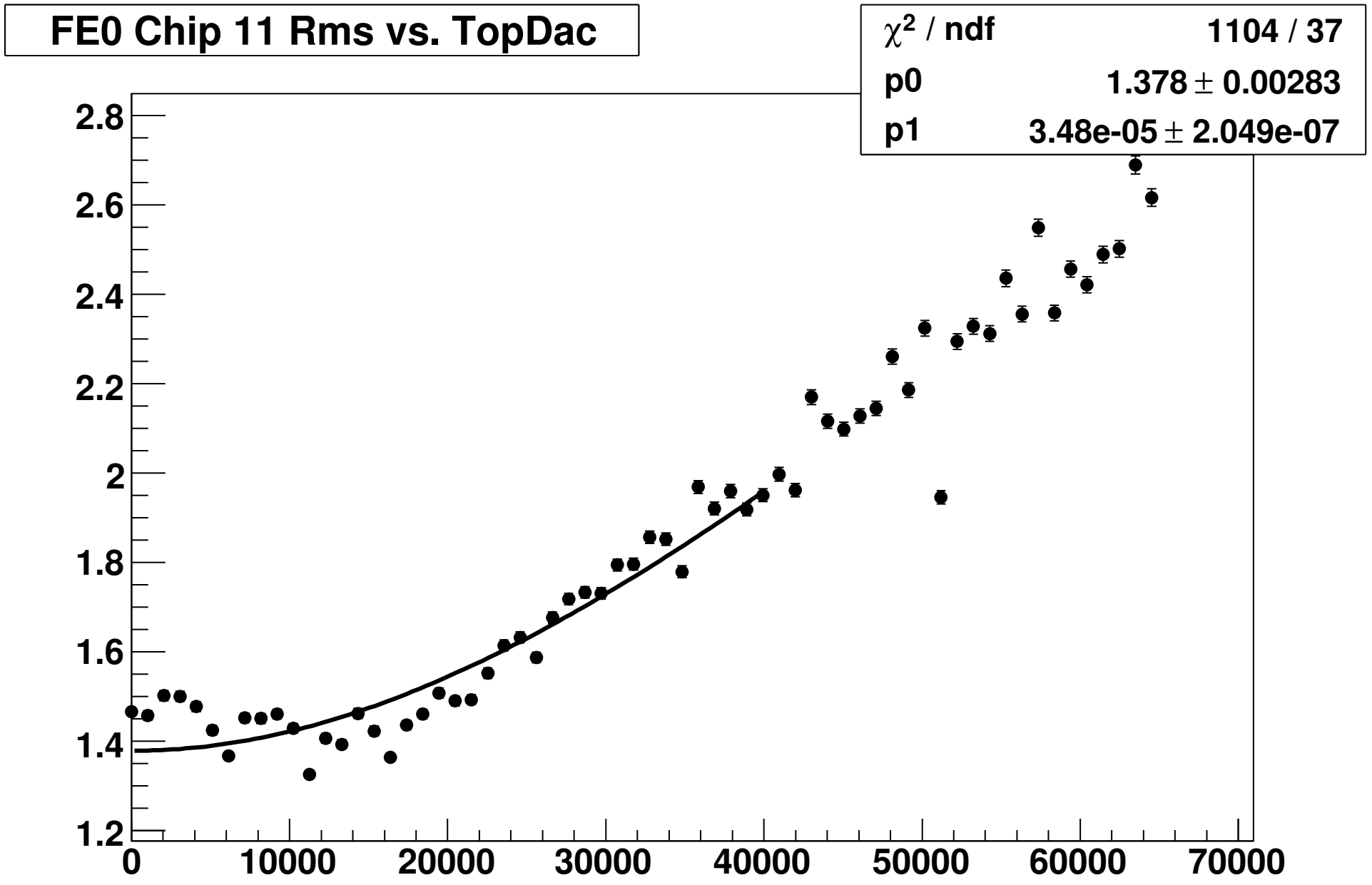

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 6.361e+04 / 37
p0 9.472 ± 0.005118
p1 0.4498 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

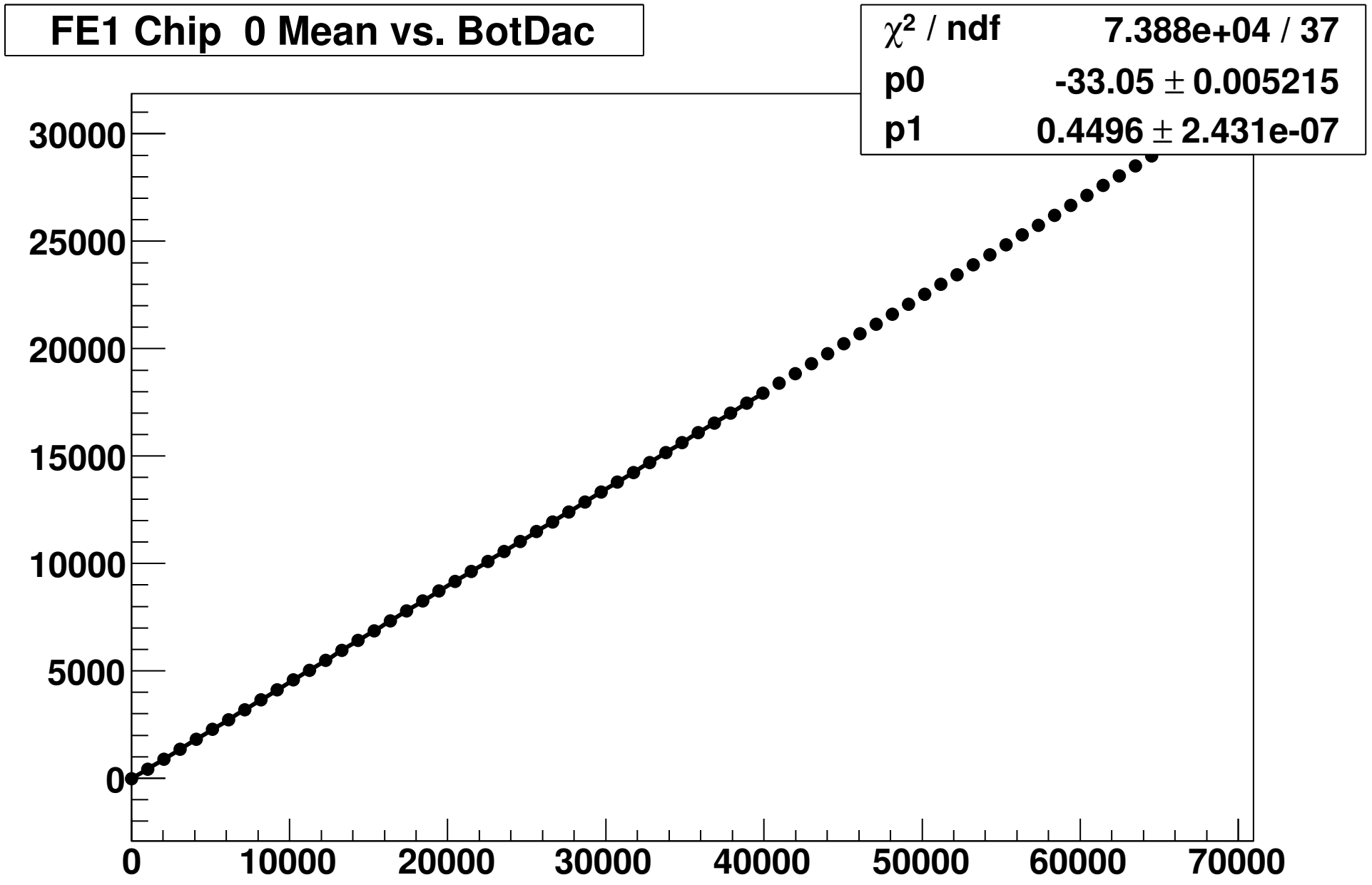

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 798 / 37
p0 1.362 ± 0.002805
p1 3.497e-05 ± 2.013e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

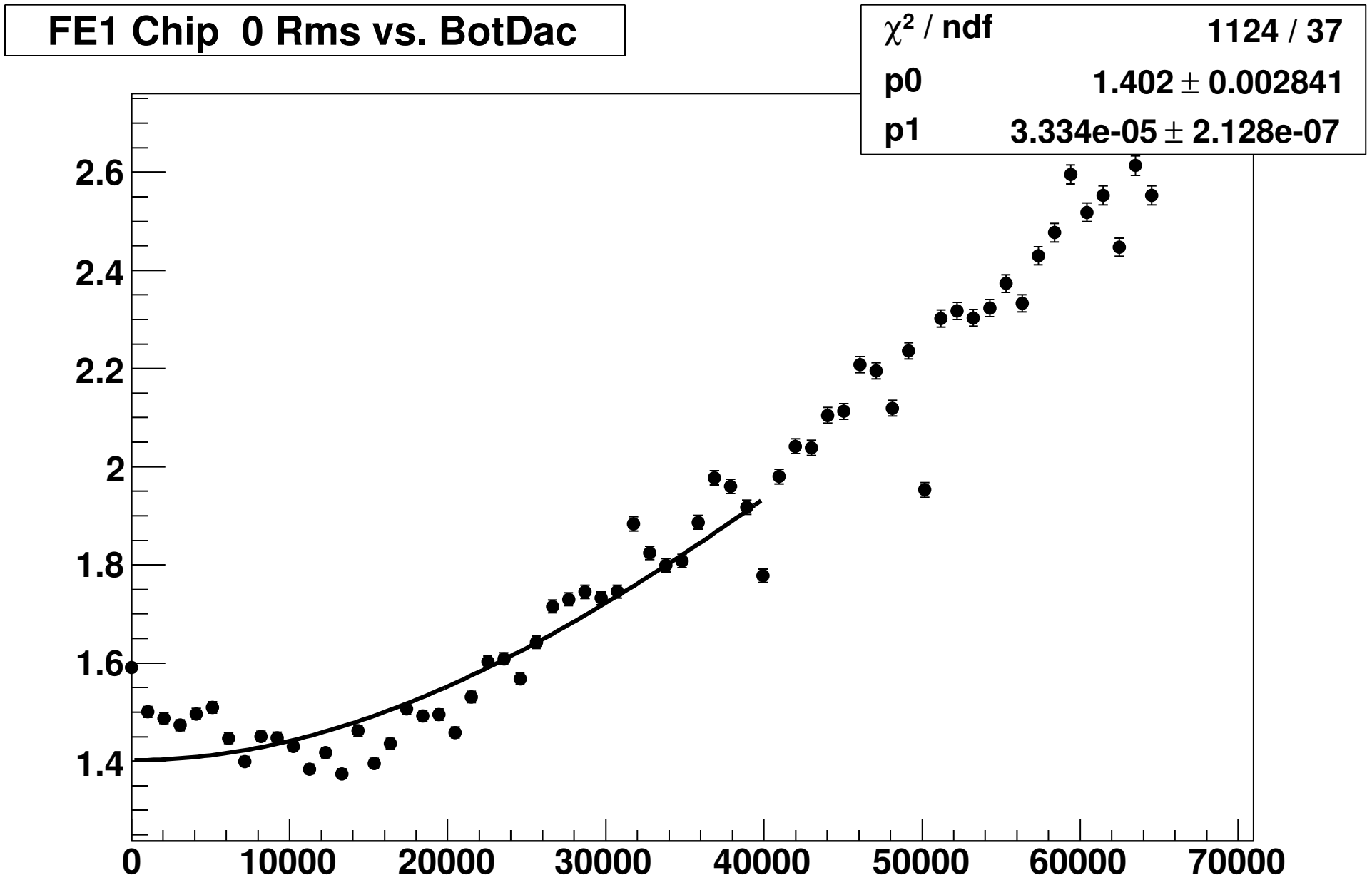

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 155.1 / 37
p0 9.821 ± 0.005068
p1 3.176e-07 ± 2.153e-07
9.9
9.85
9.8
9.75
9.7
0
10000
20000
30000
40000
50000
60000
70000

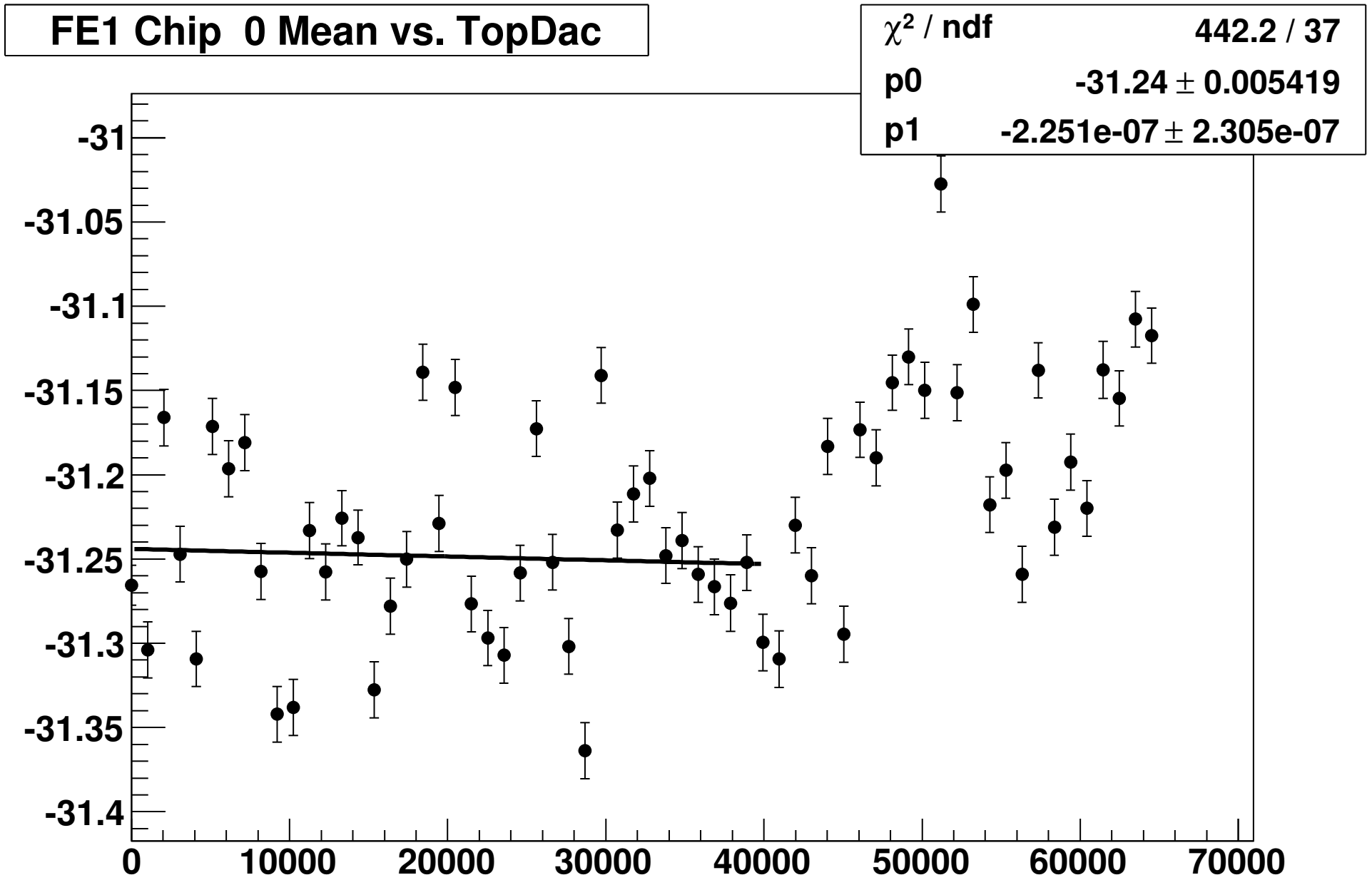

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 42.79 / 37
p0 1.463 ± 0.001761
p1 5.289e-13 ± 1.766e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

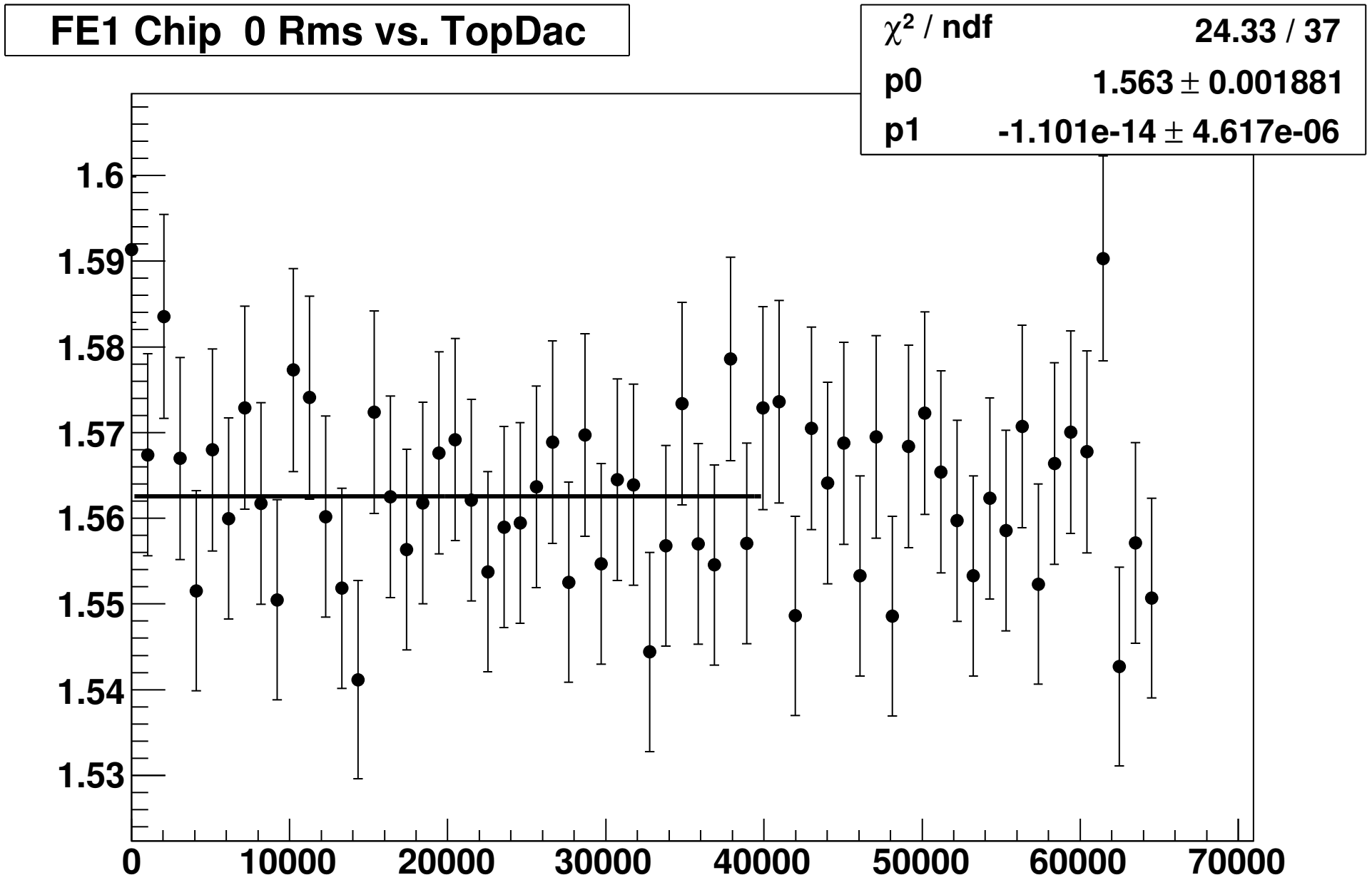

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 5.522e+04 / 37
p0 11.62 ± 0.005178
p1 0.4498 ± 2.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

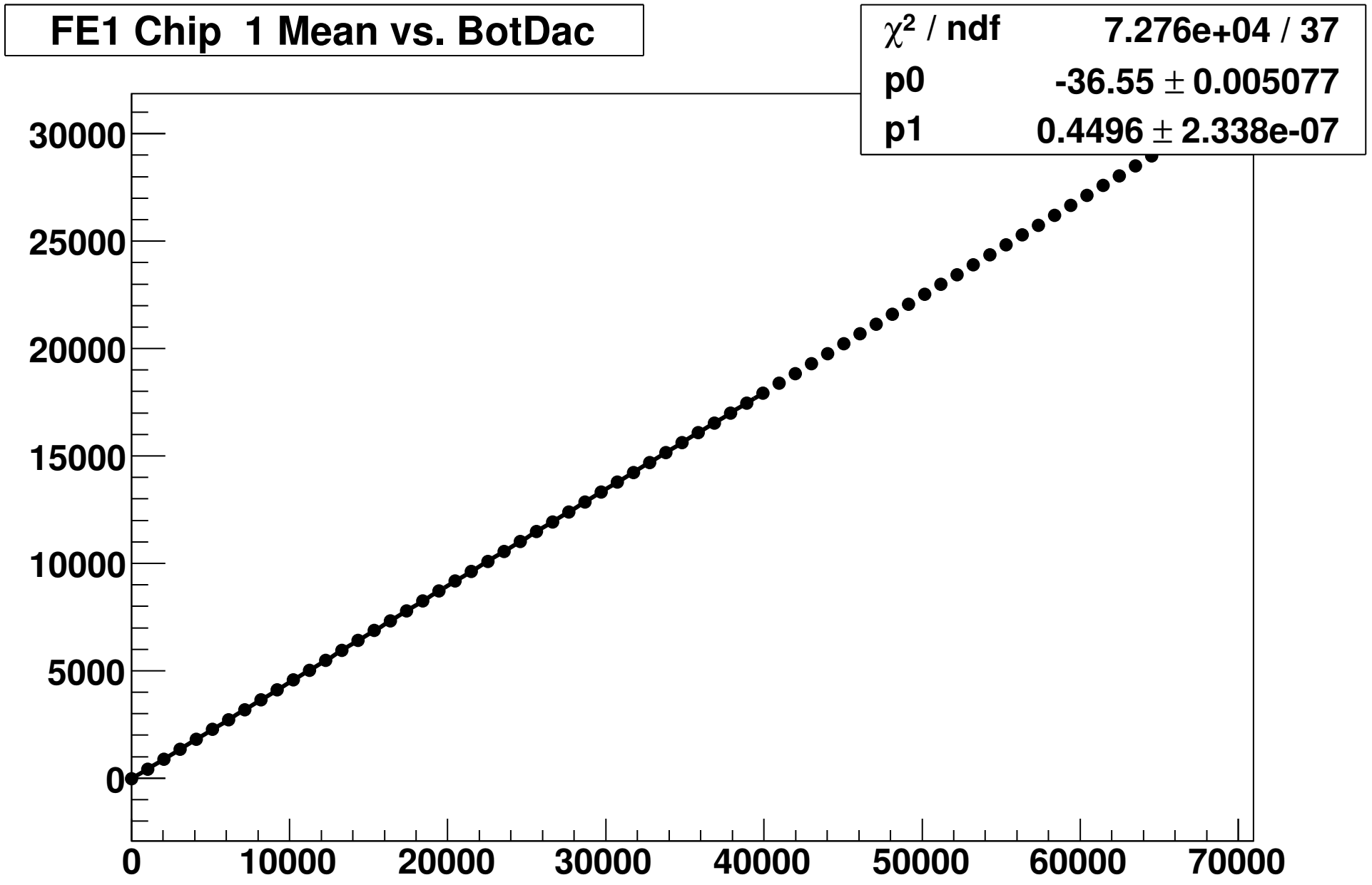

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 1104 / 37
p0 1.378 ± 0.00283
p1 3.48e-05 ± 2.049e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

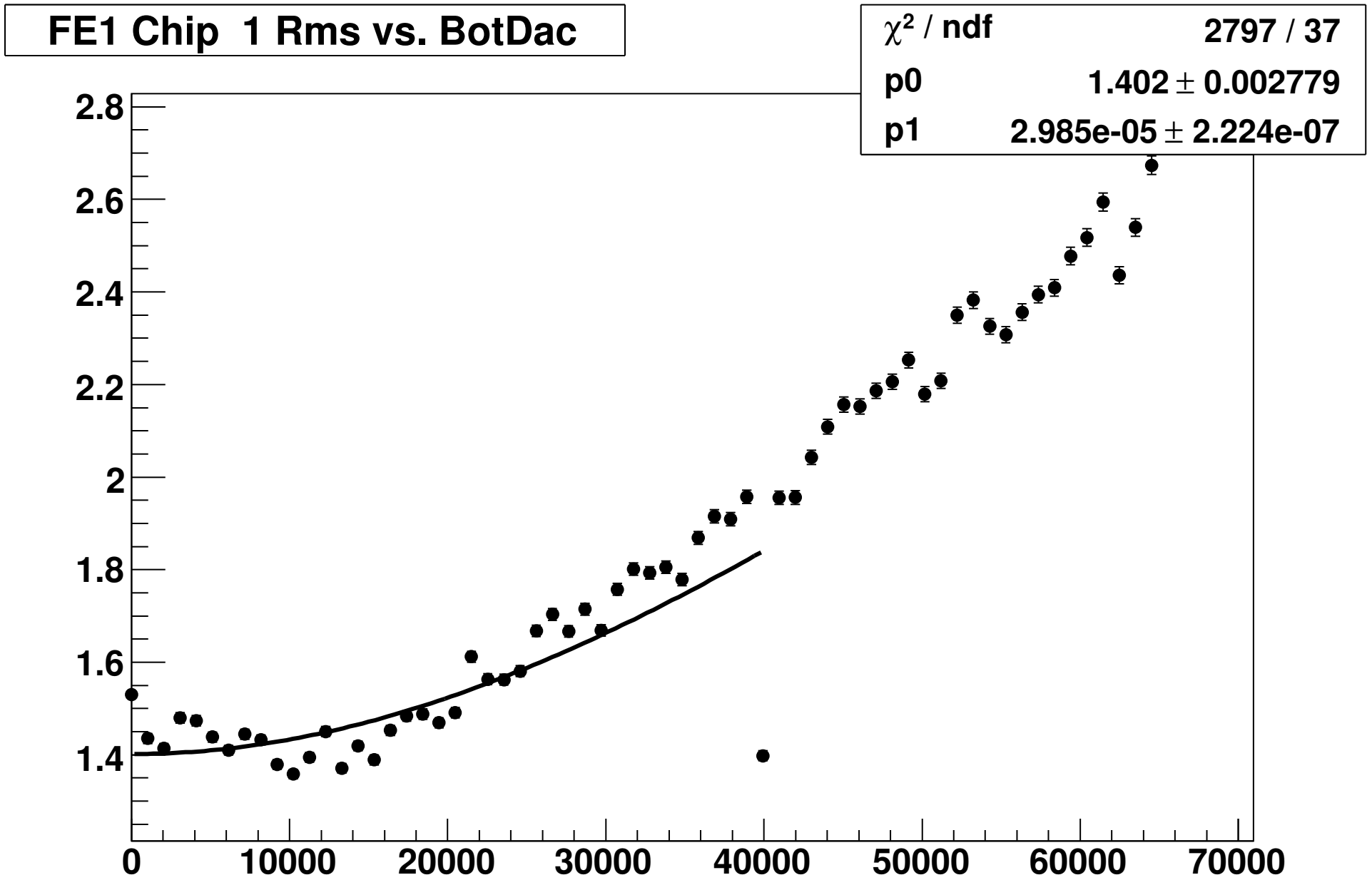

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 7.388e+04 / 37
p0 -33.05 ± 0.005215
p1 0.4496 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

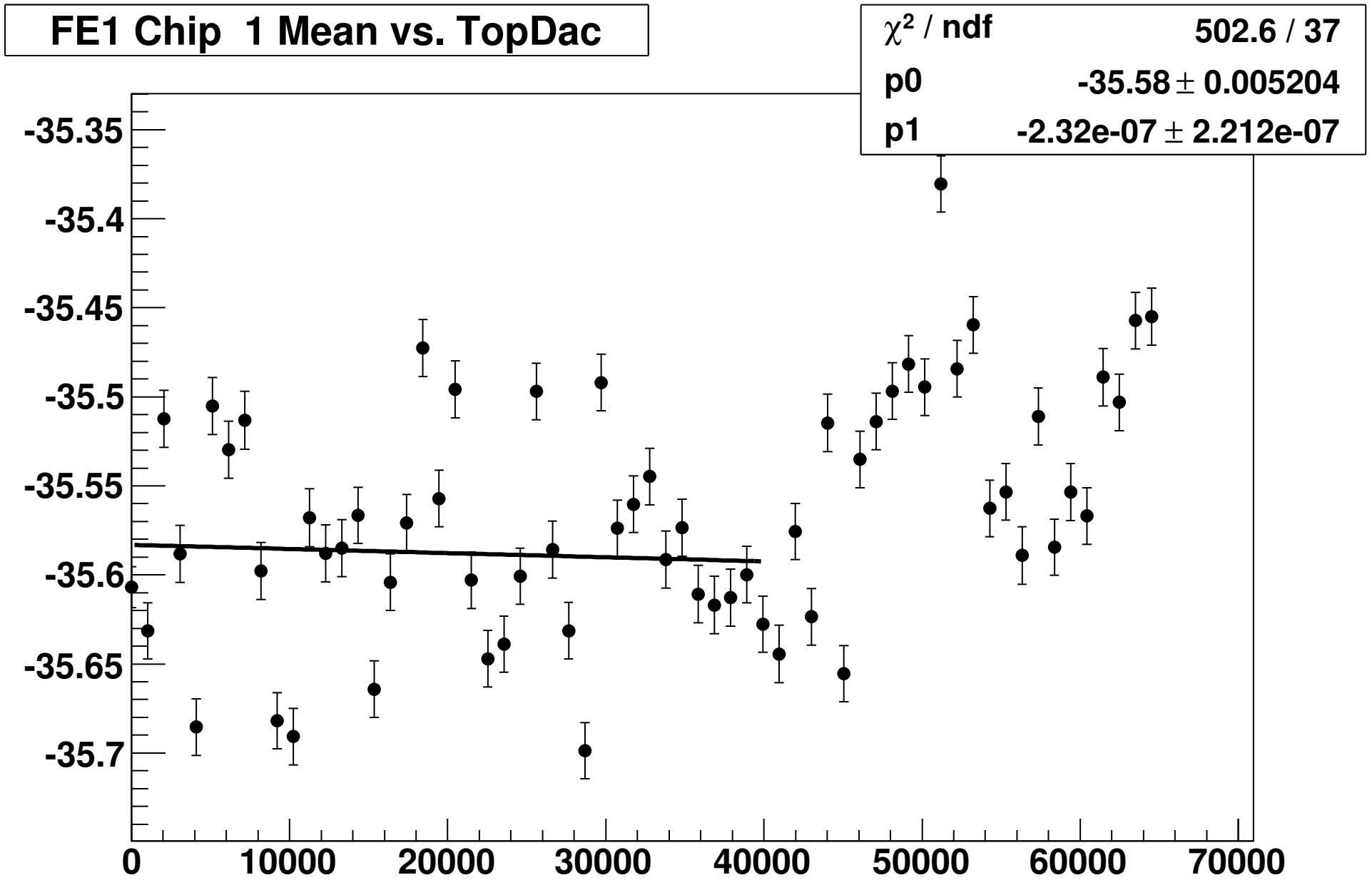

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1124 / 37
p0 1.402 ± 0.002841
p1 3.334e-05 ± 2.128e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

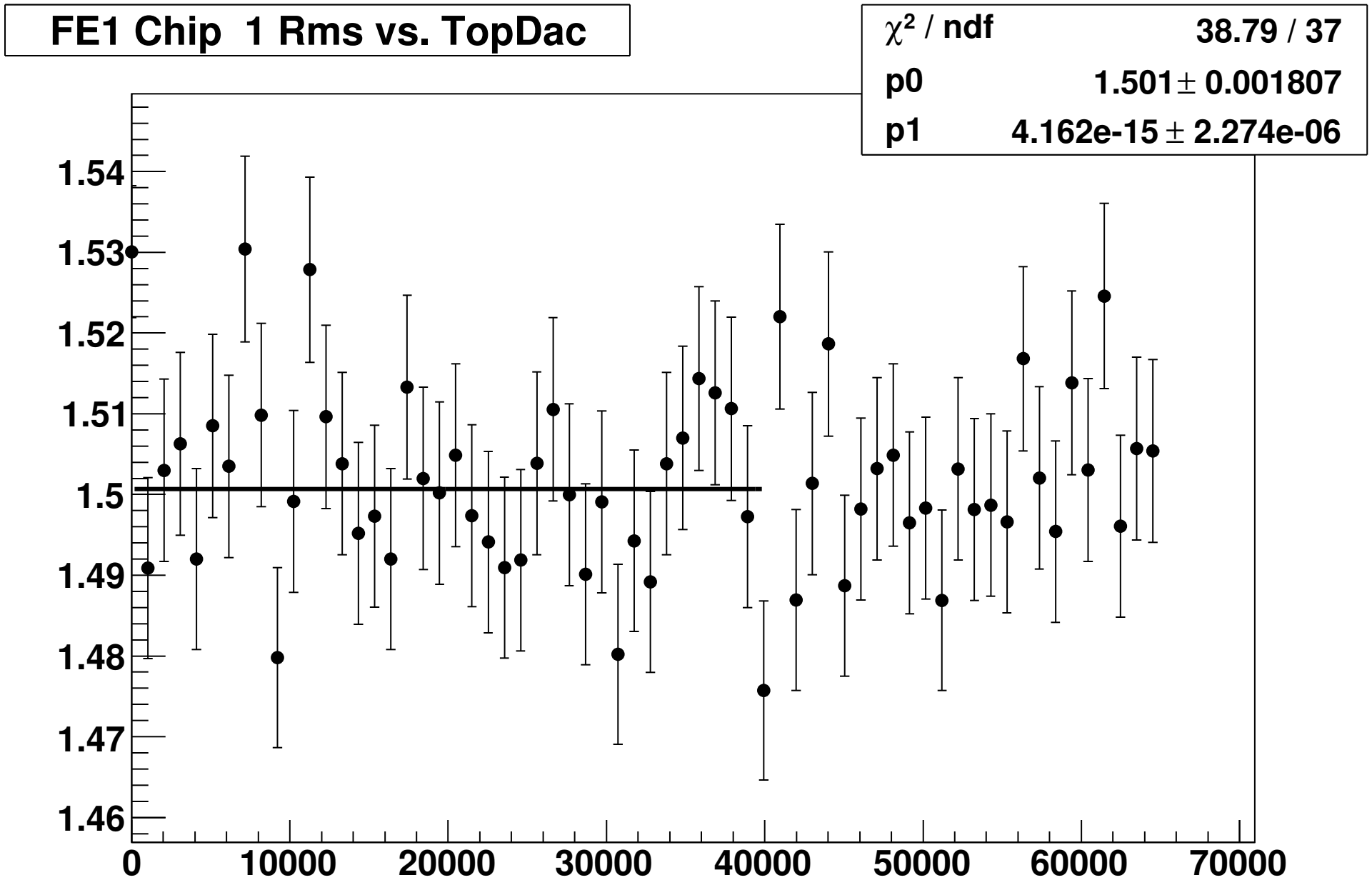

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 442.2 / 37
p0 -31.24 ± 0.005419
p1 -2.251e-07 ± 2.305e-07
-31
-31.05
-31.1
-31.15
-31.2
-31.25
-31.3
-31.35
-31.4
0
10000
20000
30000
40000
50000
60000
70000

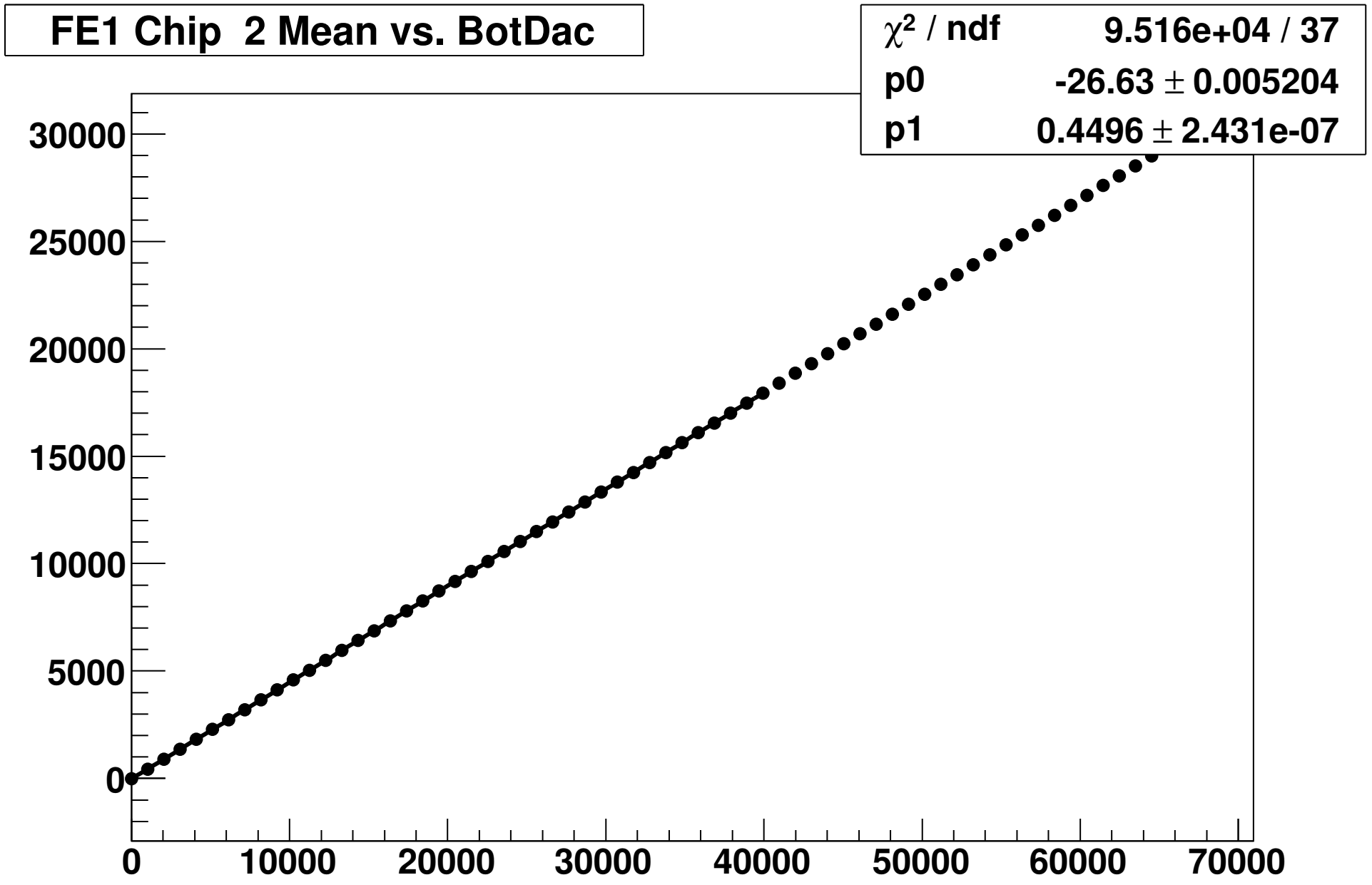

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 24.33 / 37
p0 1.563 ± 0.001881
p1 -1.101e-14 ± 4.617e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

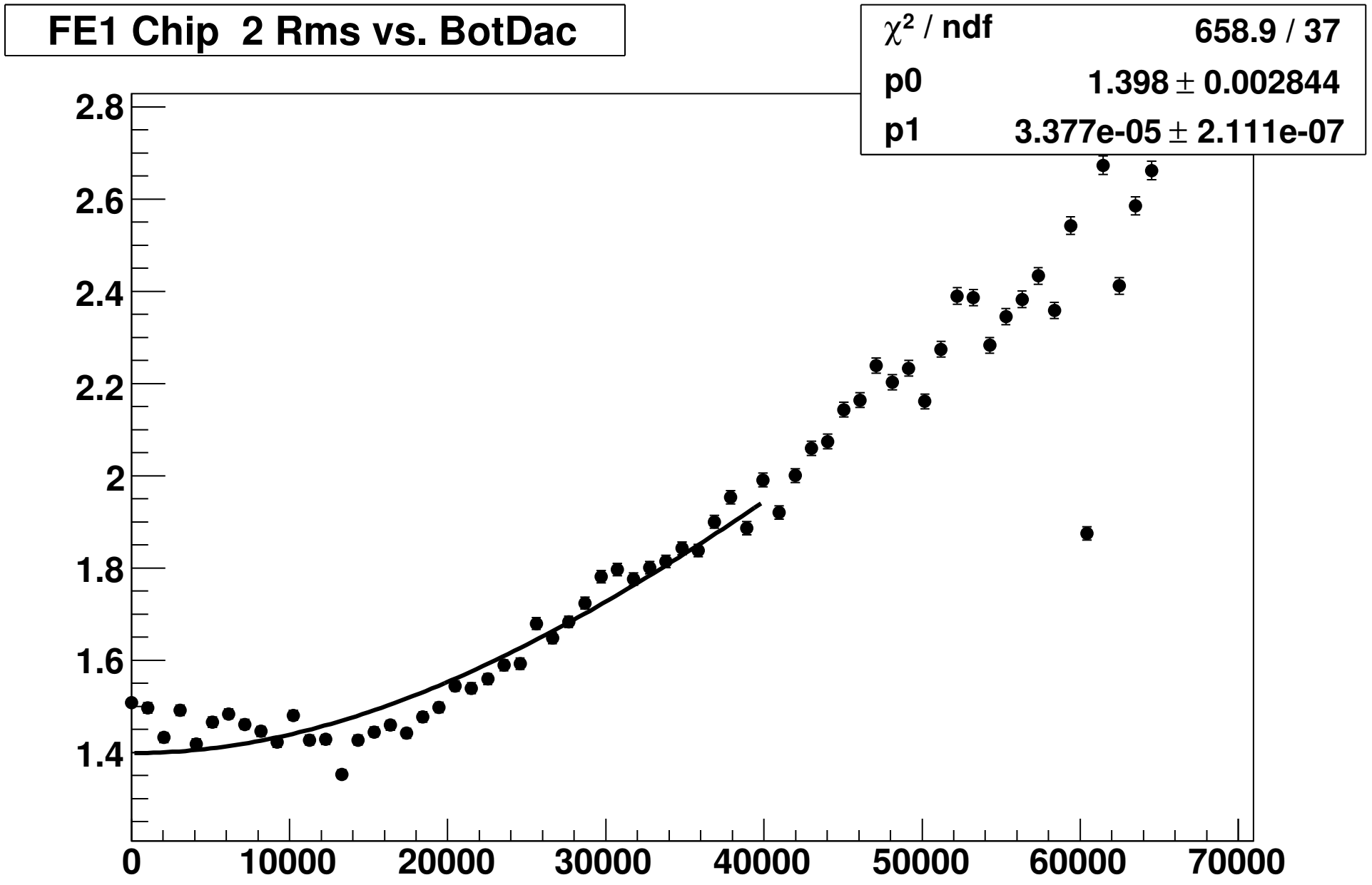

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 7.276e+04 / 37
p0 -36.55 ± 0.005077
p1 0.4496 ± 2.338e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

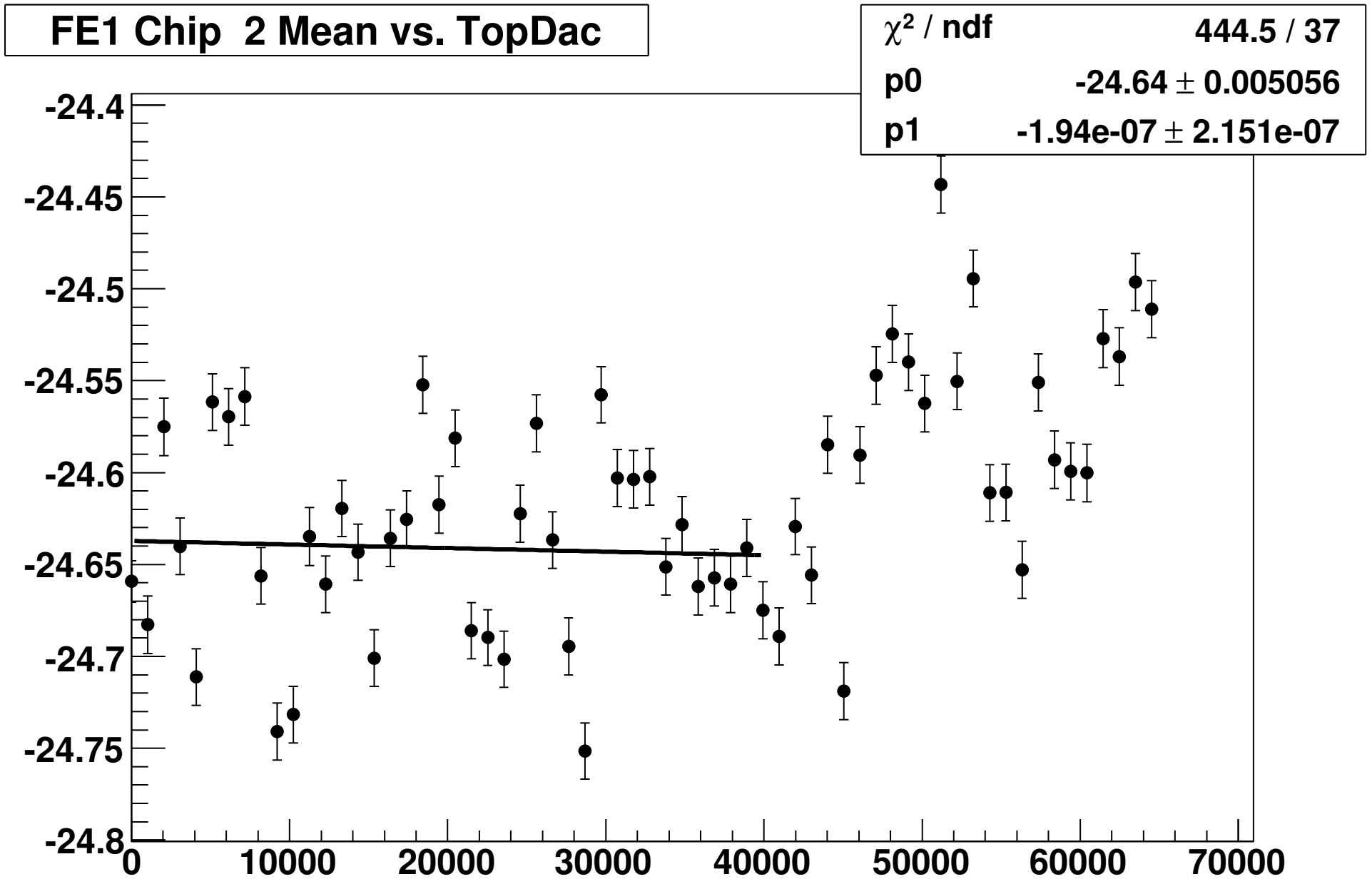

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 2797 / 37
p0 1.402 ± 0.002779
p1 2.985e-05 ± 2.224e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

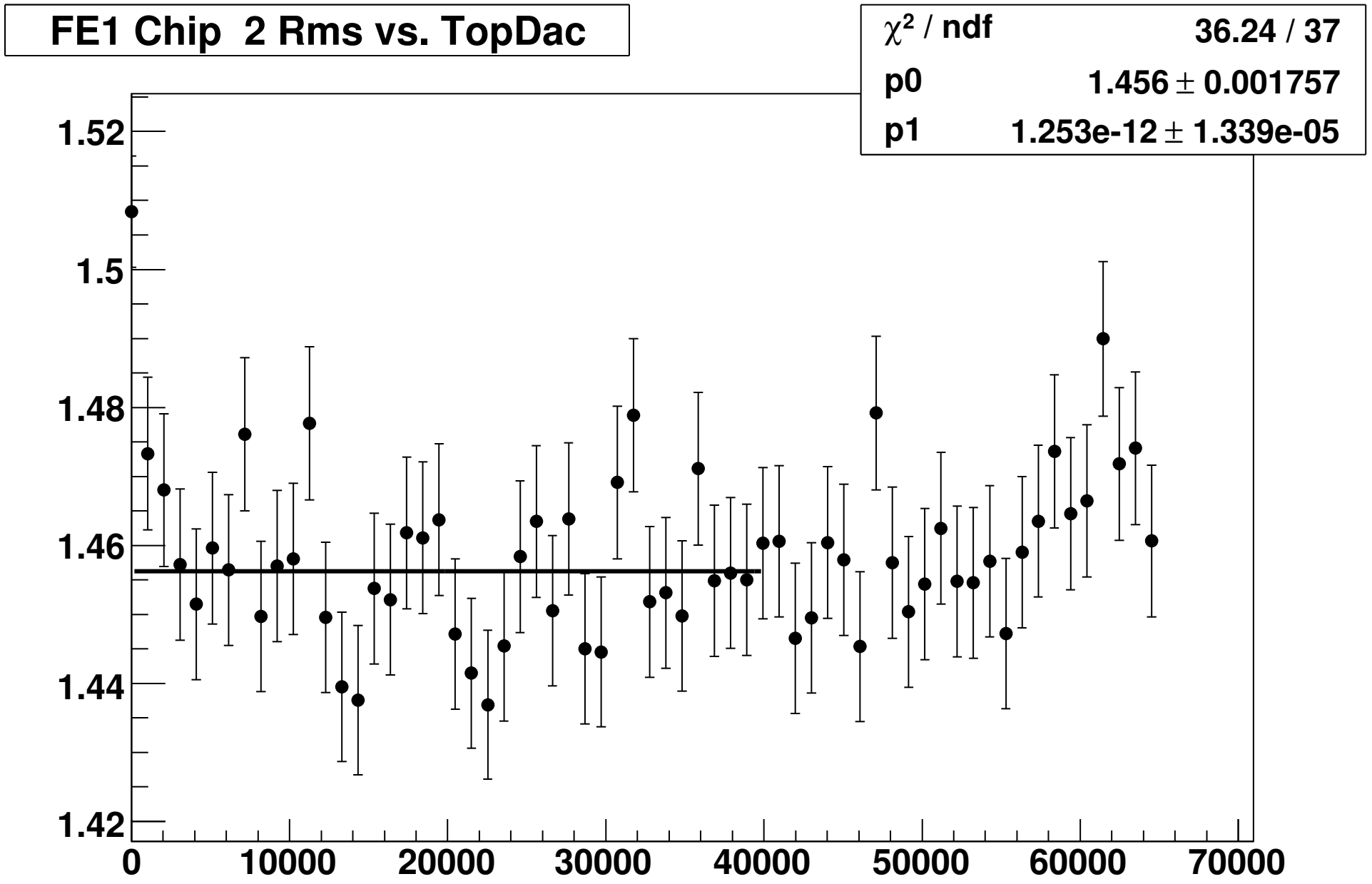

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 502.6 / 37
p0 -35.58 ± 0.005204
p1 -2.32e-07 ± 2.212e-07
-35.35
-35.4
-35.45
-35.5
-35.55
-35.6
-35.65
-35.7
0
10000
20000
30000
40000
50000
60000
70000

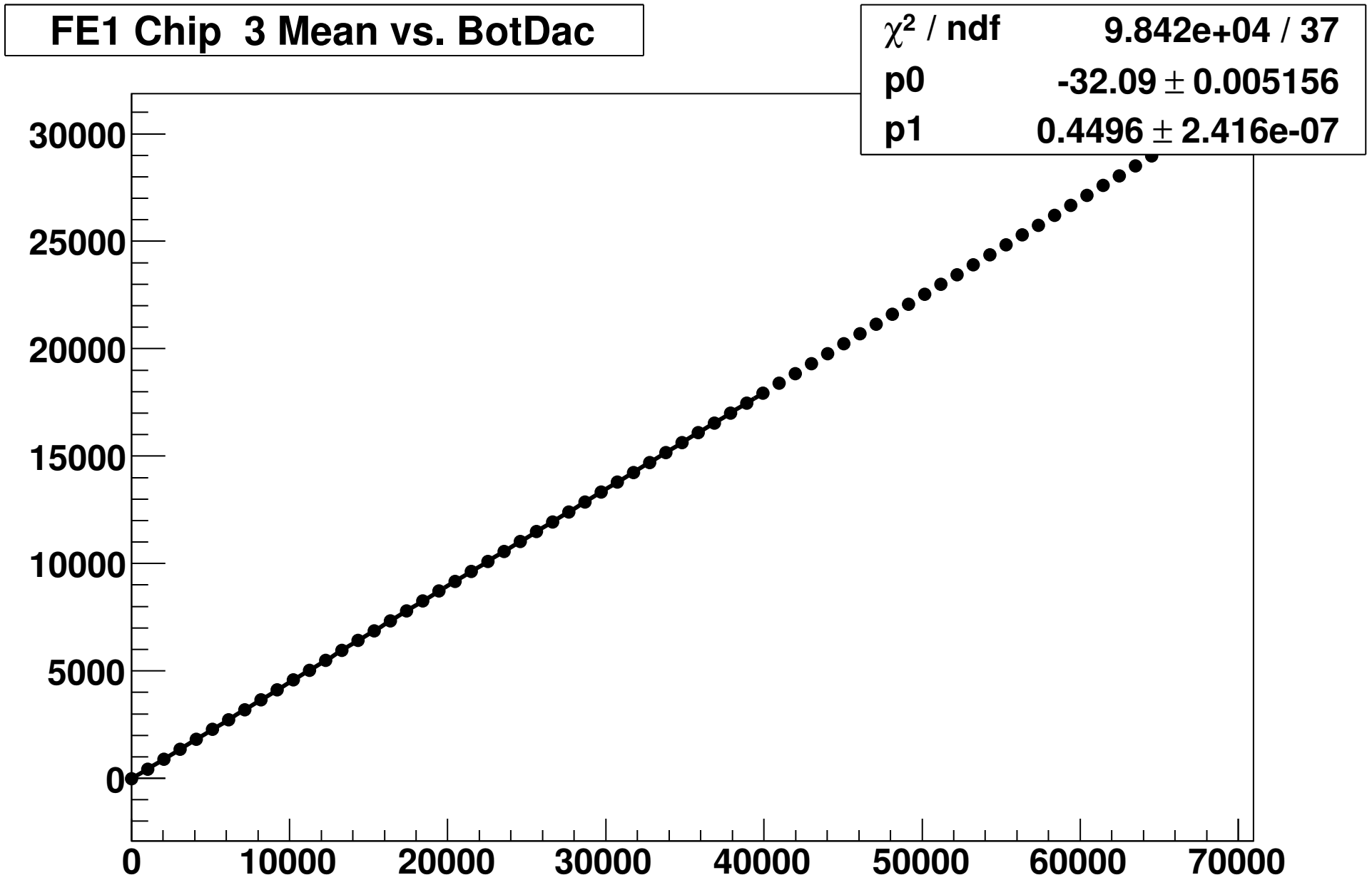

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 38.79 / 37
p0 1.501 ± 0.001807
p1 4.162e-15 ± 2.274e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

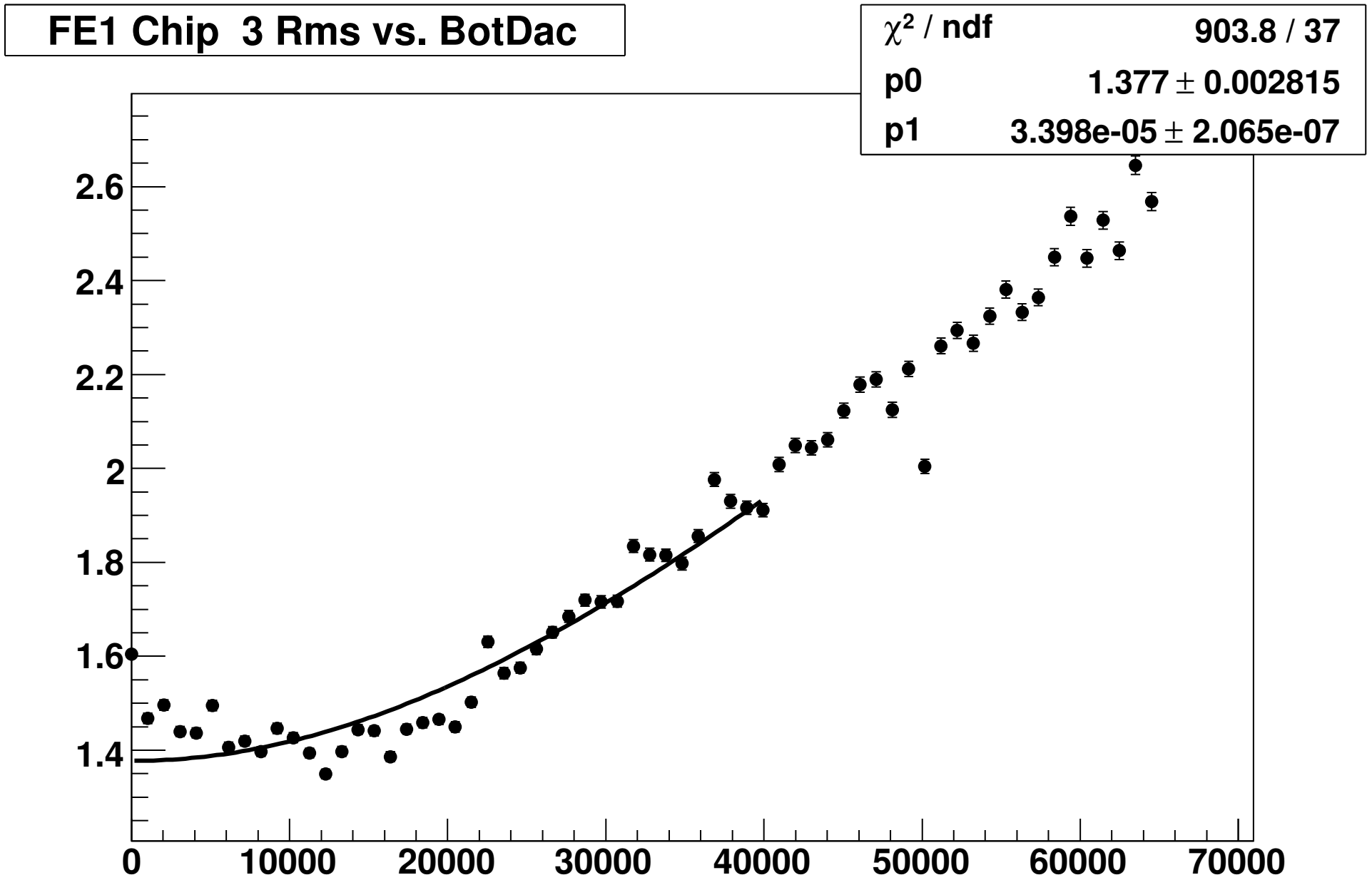

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 9.516e+04 / 37
p0 -26.63 ± 0.005204
p1 0.4496 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

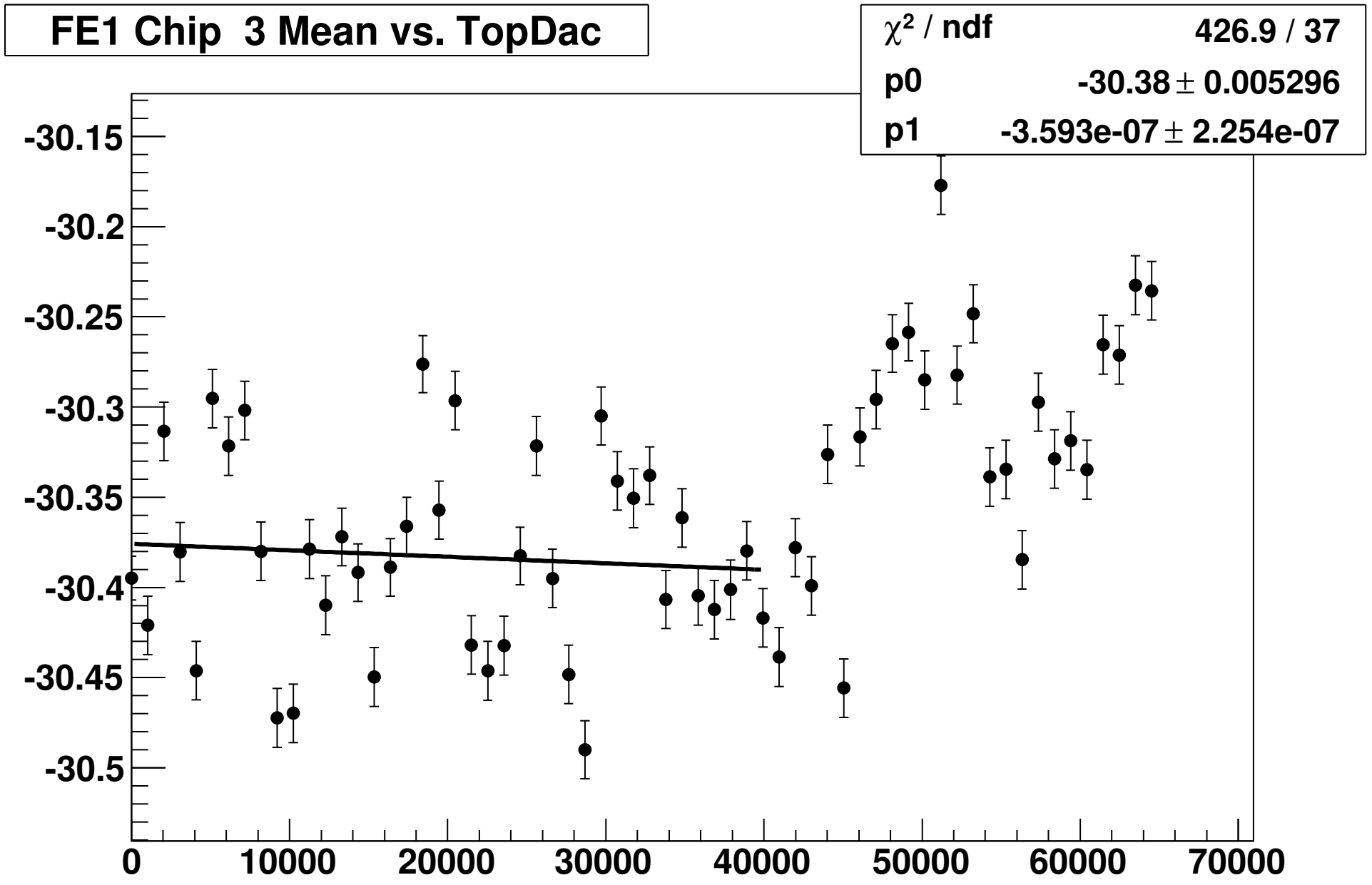

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 658.9 / 37
p0 1.398 ± 0.002844
p1 3.377e-05 ± 2.111e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

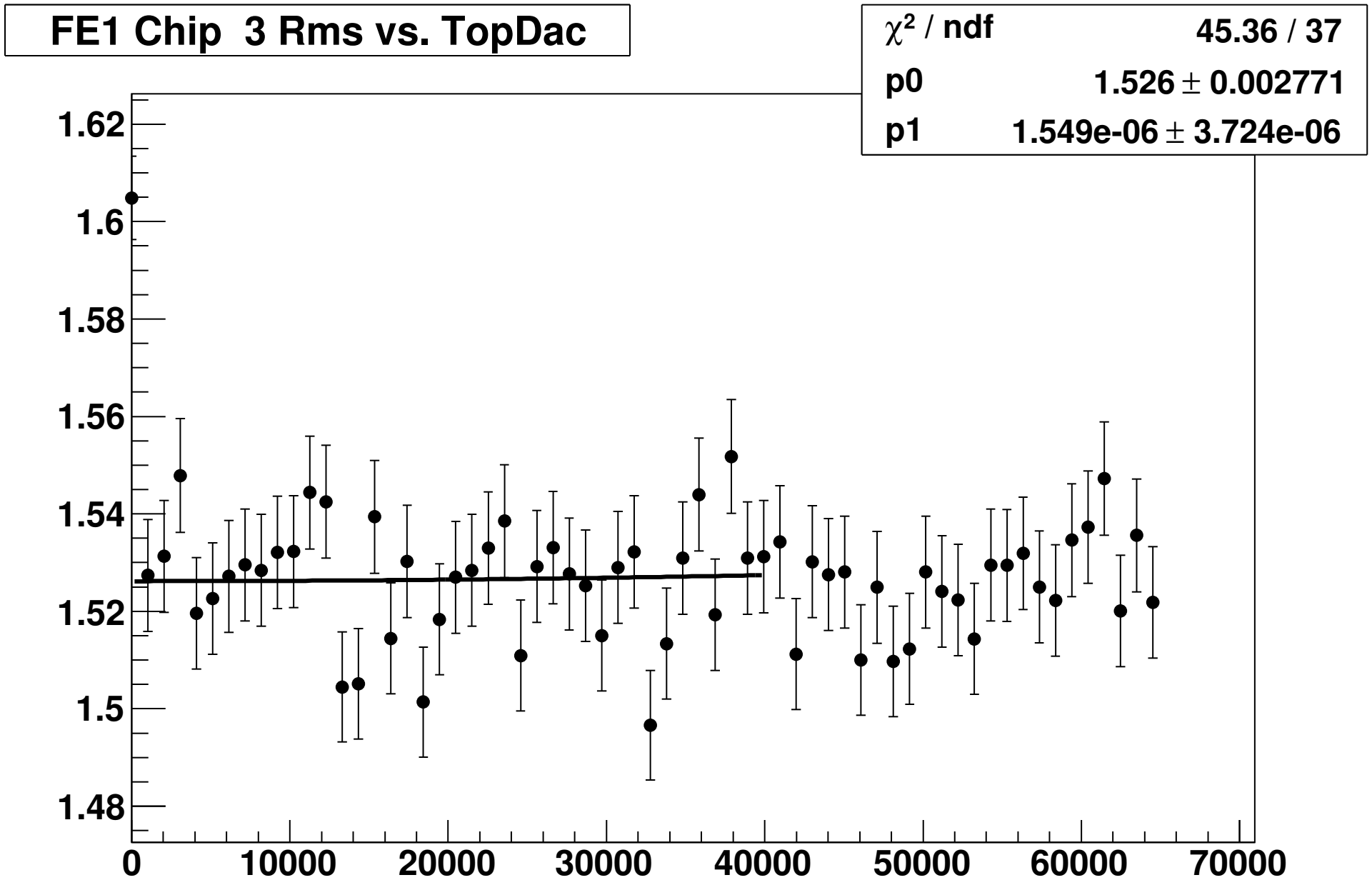

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 444.5 / 37
p0 -24.64 ± 0.005056
p1 -1.94e-07 ± 2.151e-07
-24.4
-24.45
-24.5
-24.55
-24.6
-24.65
-24.7
-24.75
-24.8
0
10000
20000
30000
40000
50000
60000
70000

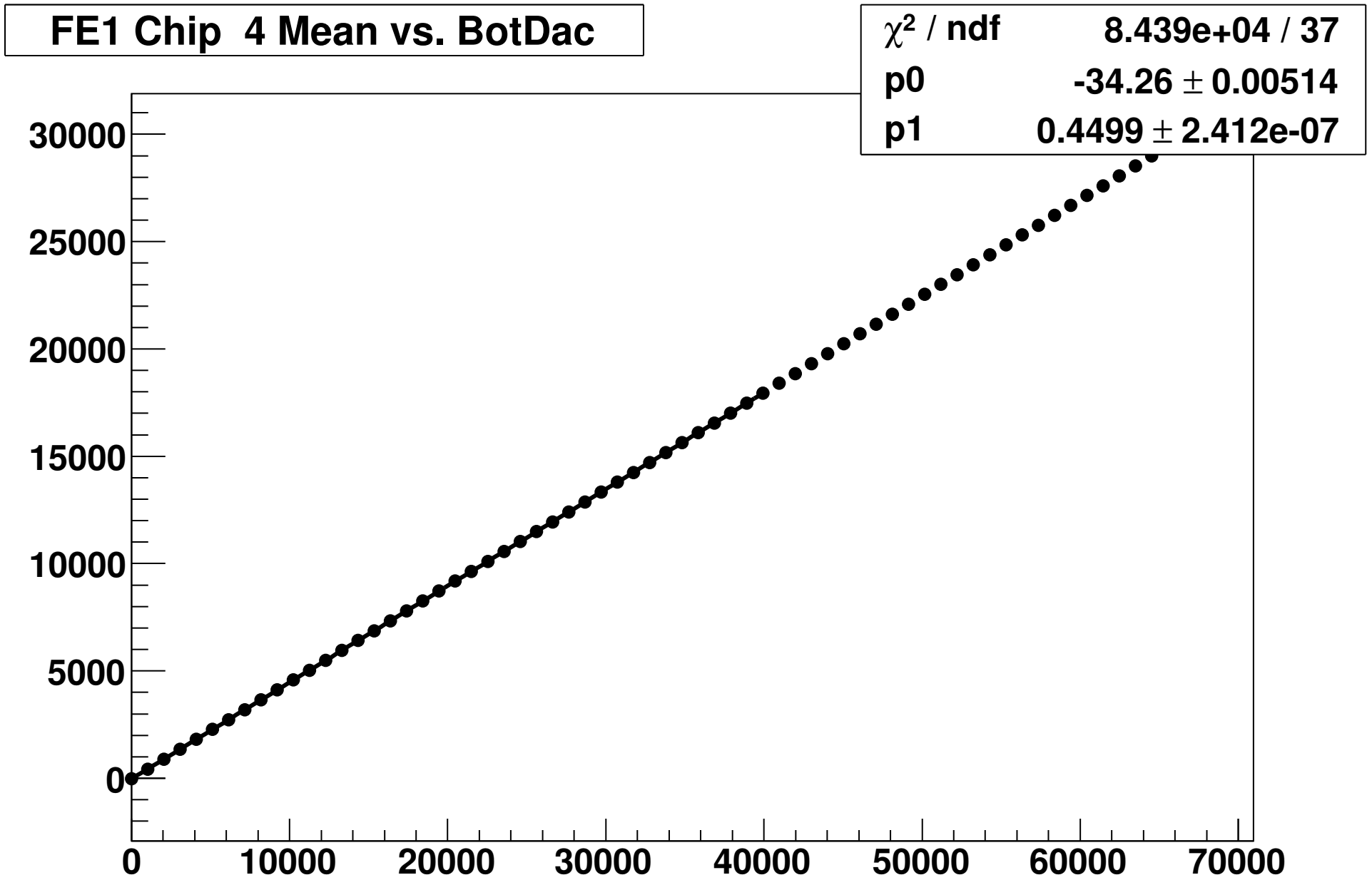

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 36.24 / 37
p0 1.456 ± 0.001757
p1 1.253e-12 ± 1.339e-05
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

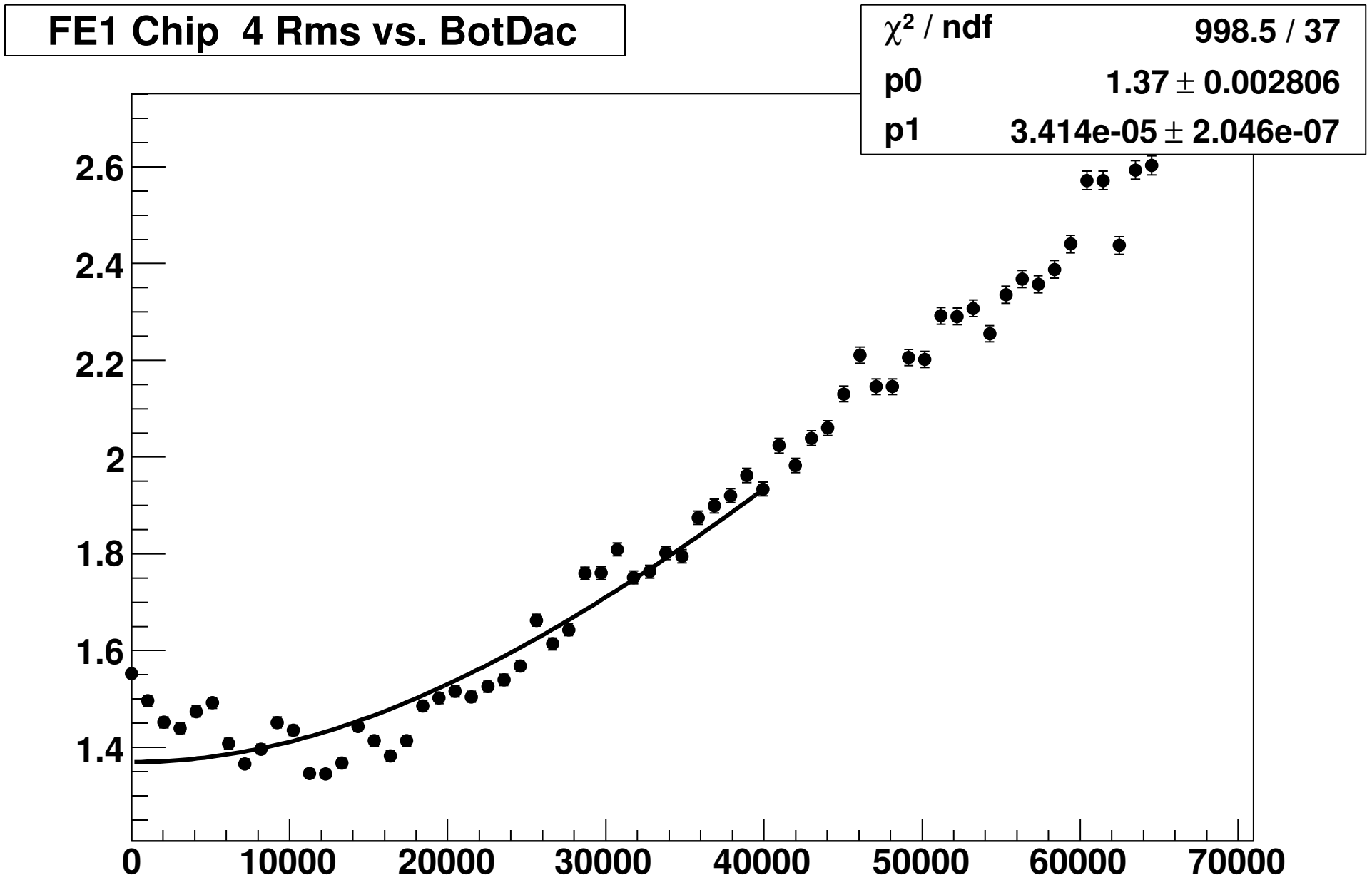

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 9.842e+04 / 37
p0 -32.09 ± 0.005156
p1 0.4496 ± 2.416e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 903.8 / 37
p0 1.377 ± 0.002815
p1 3.398e-05 ± 2.065e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 426.9 / 37
p0 -30.38 ± 0.005296
p1 -3.593e-07 ± 2.254e-07
-30.15
-30.2
-30.25
-30.3
-30.35
-30.4
-30.45
-30.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 45.36 / 37
p0 1.526 ± 0.002771
p1 1.549e-06 ± 3.724e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 8.439e+04 / 37
p0 -34.26 ± 0.00514
p1 0.4499 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 998.5 / 37
p0 1.37 ± 0.002806
p1 3.414e-05 ± 2.046e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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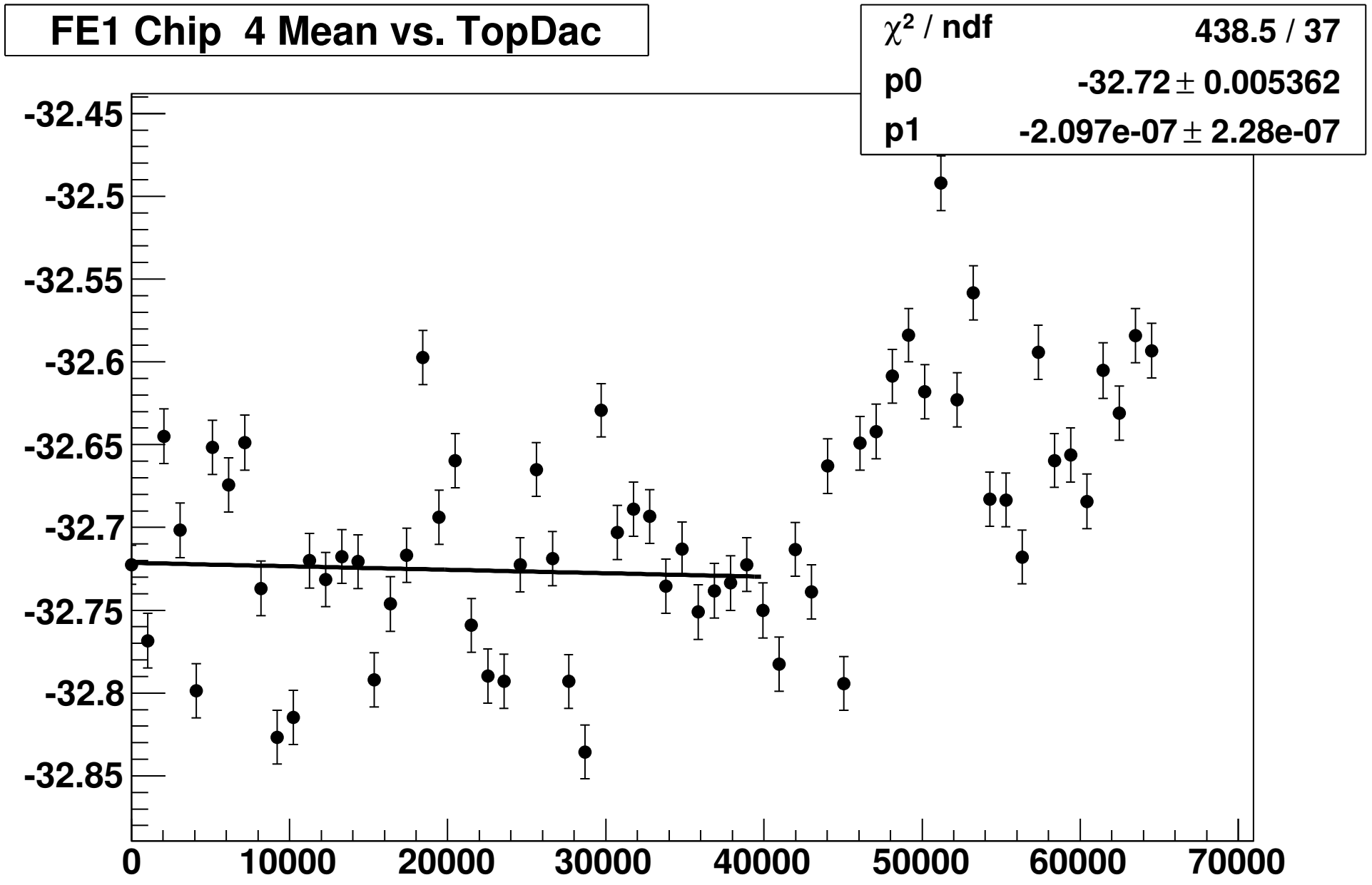
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 438.5 / 37
p0 -32.72 ± 0.005362
p1 -2.097e-07 ± 2.28e-07
-32.45
-32.5
-32.55
-32.6
-32.65
-32.7
-32.75
-32.8
-32.85
0
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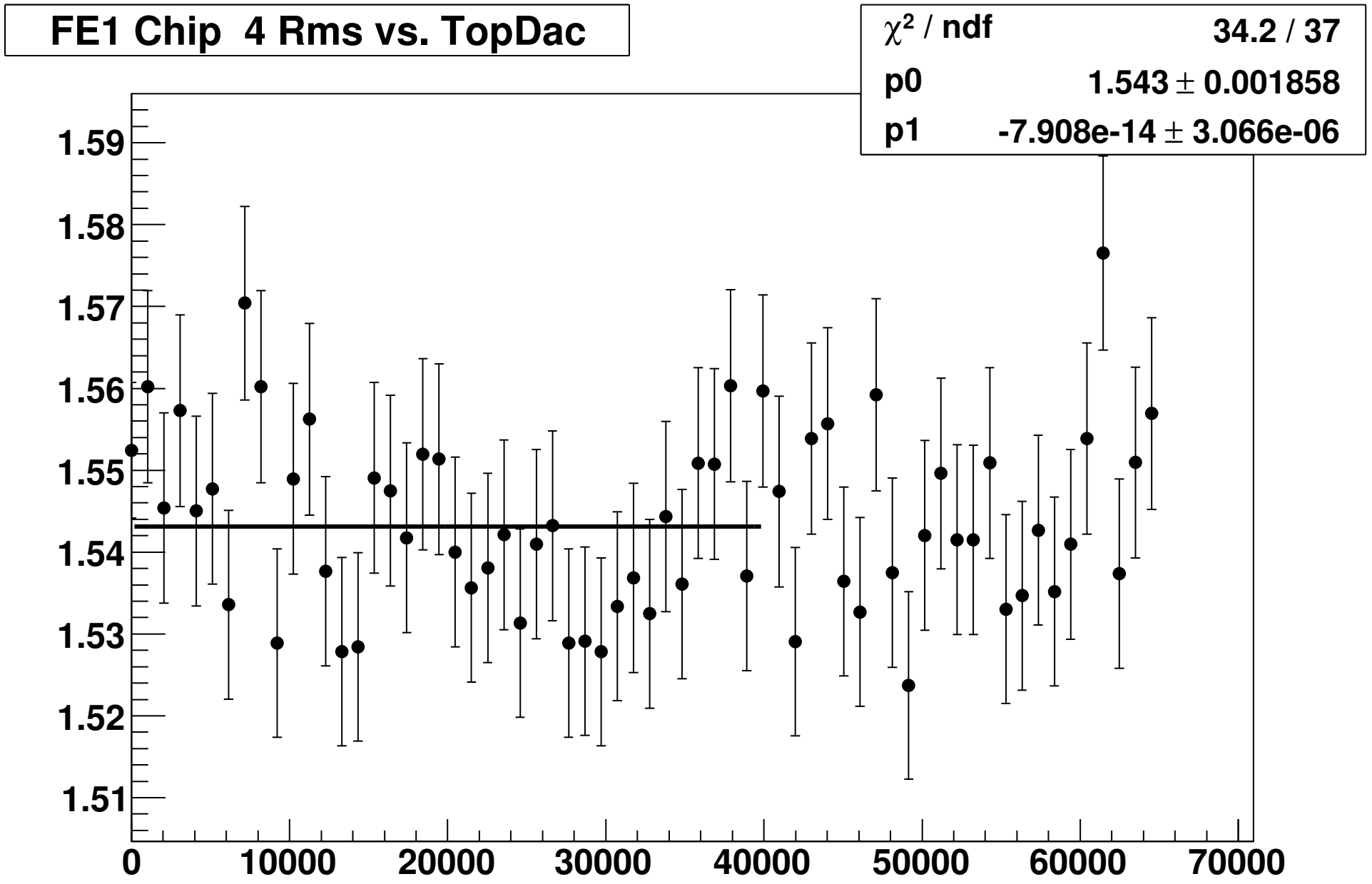
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 34.2 / 37
p0 1.543 ± 0.001858
p1 -7.908e-14 ± 3.066e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
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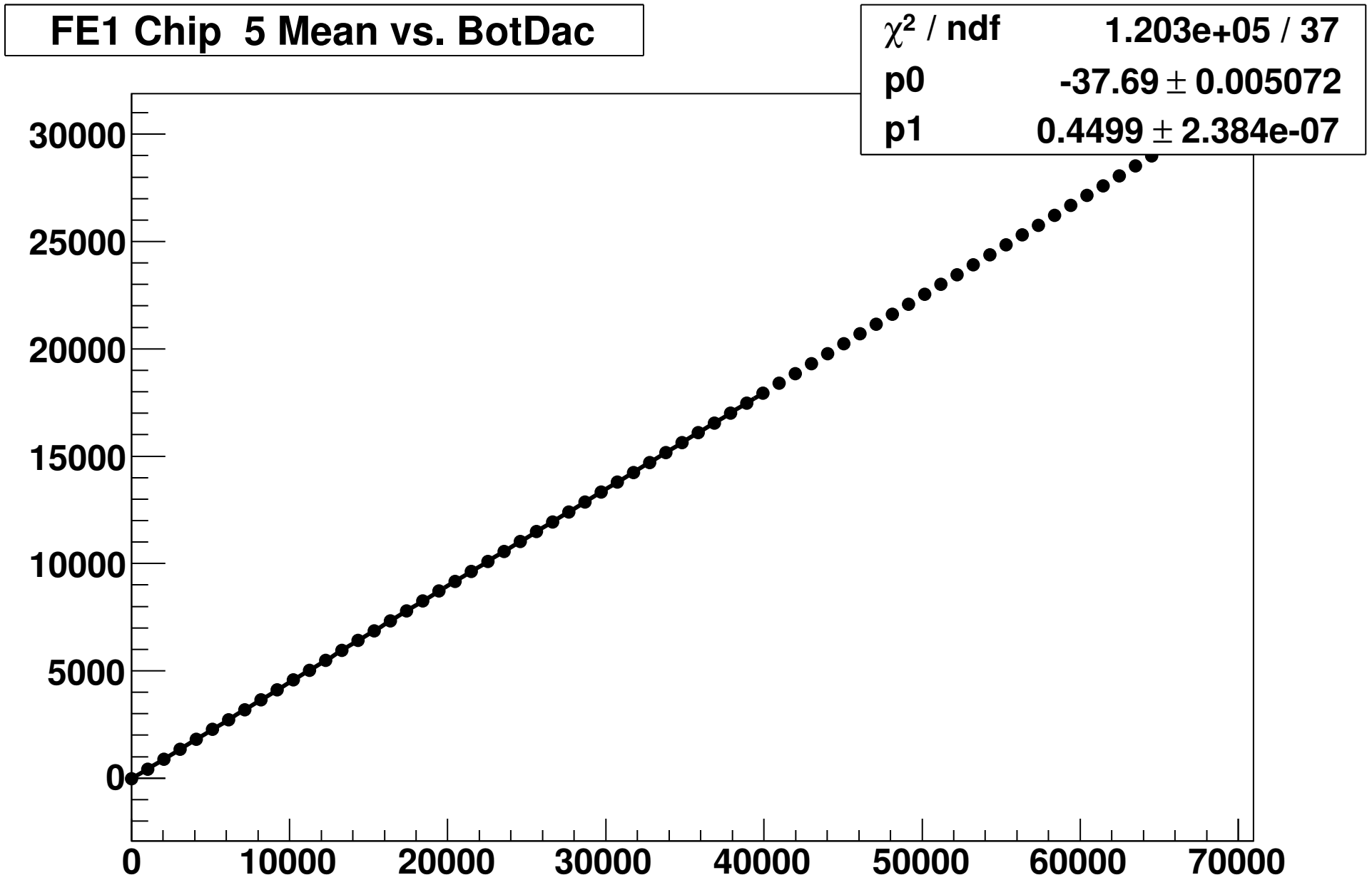
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.203e+05 / 37
p0 -37.69 ± 0.005072
p1 0.4499 ± 2.384e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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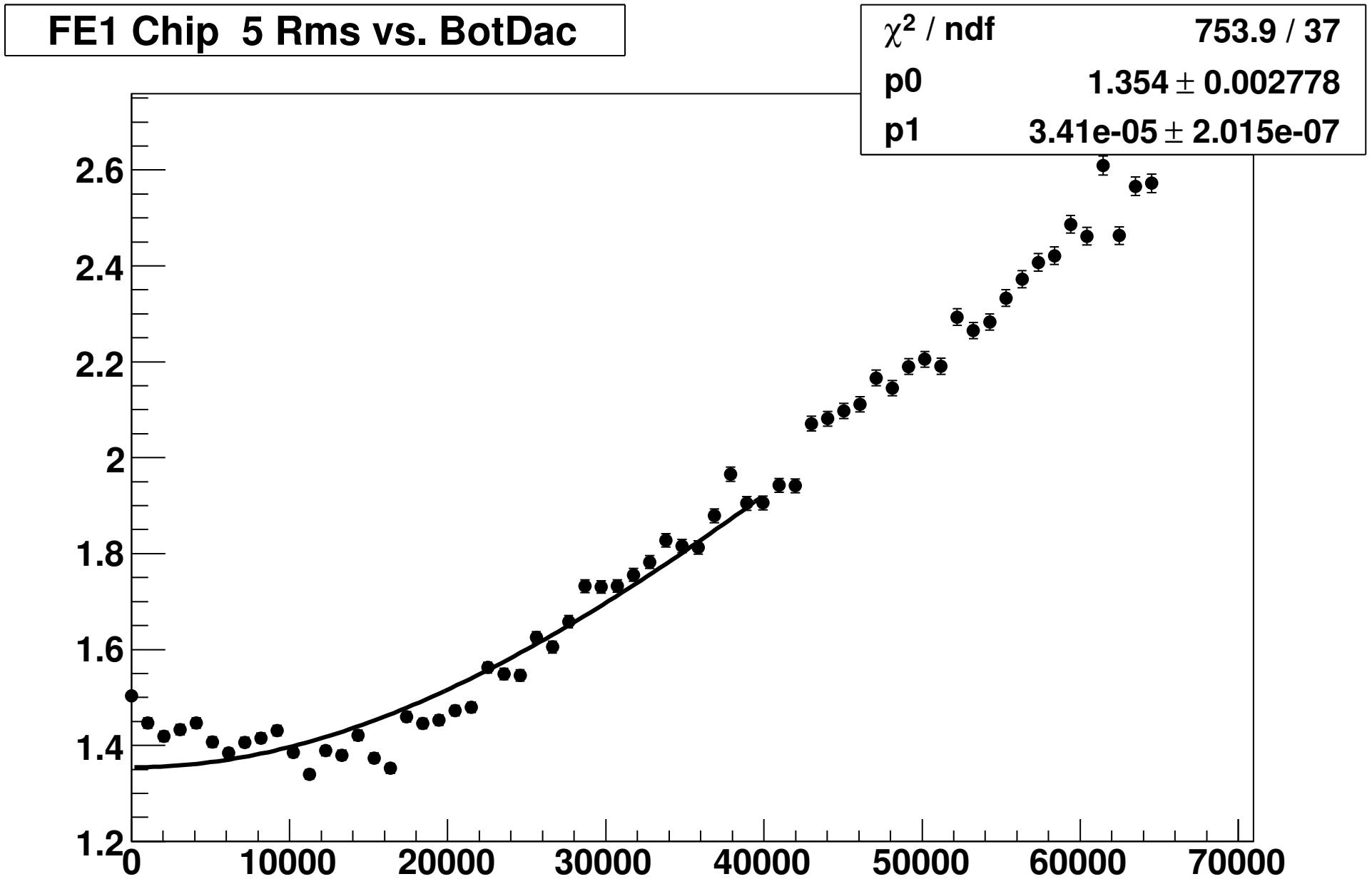
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 753.9 / 37
p0 1.354 ± 0.002778
p1 3.41e-05 ± 2.015e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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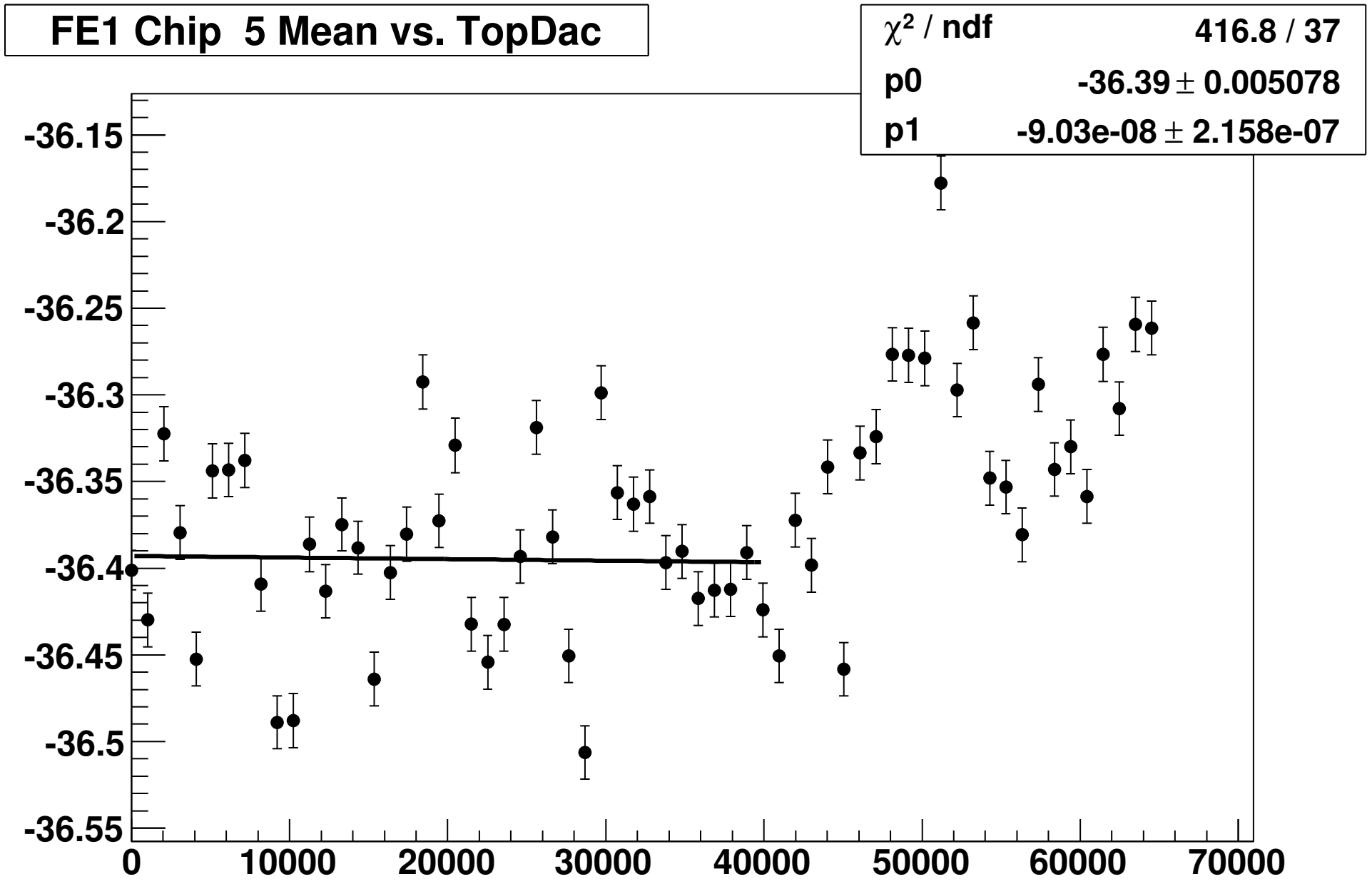
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 416.8 / 37
p0 -36.39 ± 0.005078
p1 -9.03e-08 ± 2.158e-07
-36.15
-36.2
-36.25
-36.3
-36.35
-36.4
-36.45
-36.5
-36.55
0
10000
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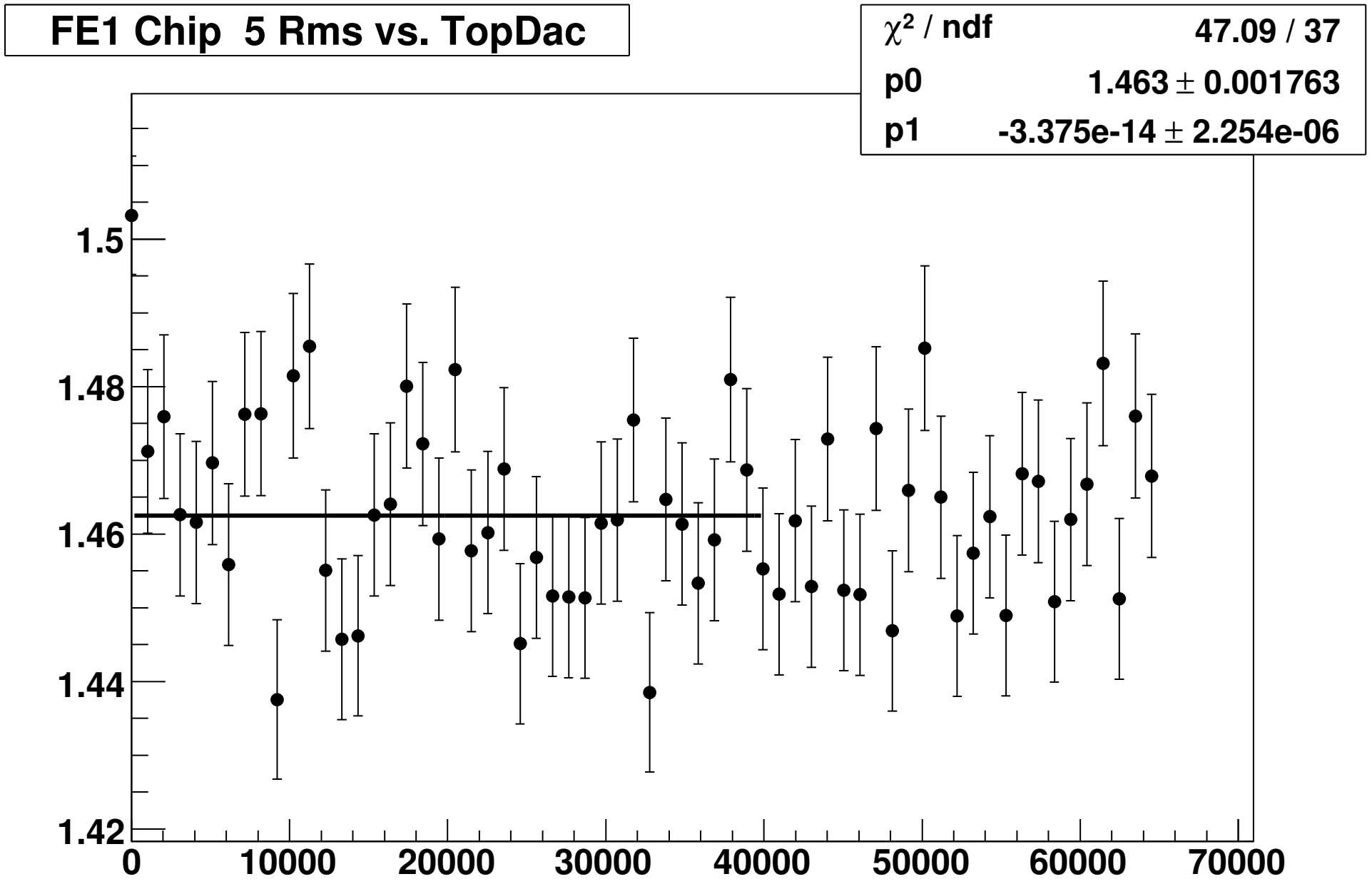
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 47.09 / 37
p0 1.463 ± 0.001763
p1 -3.375e-14 ± 2.254e-06
1.5
1.48
1.46
1.44
1.42
0
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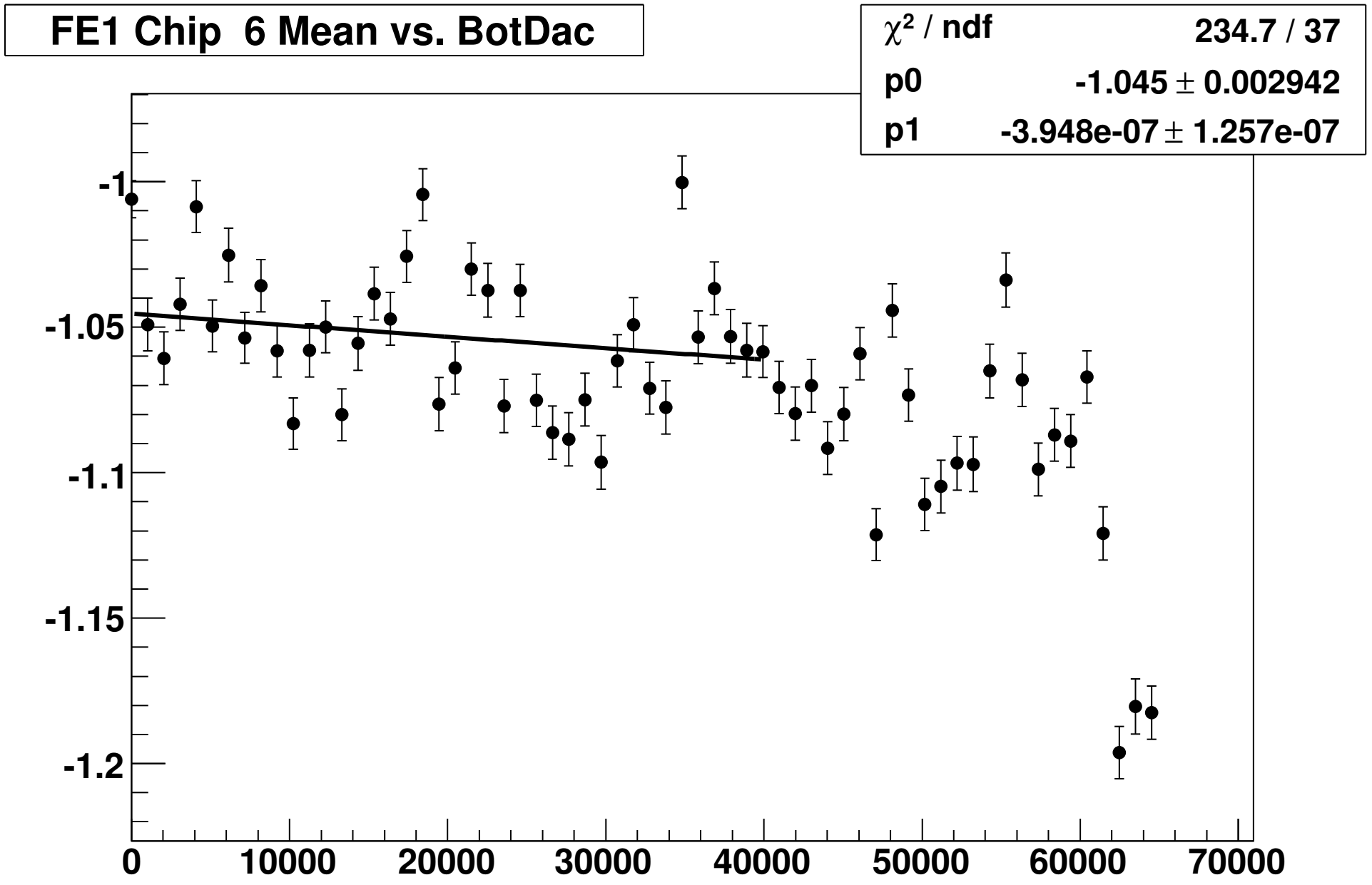
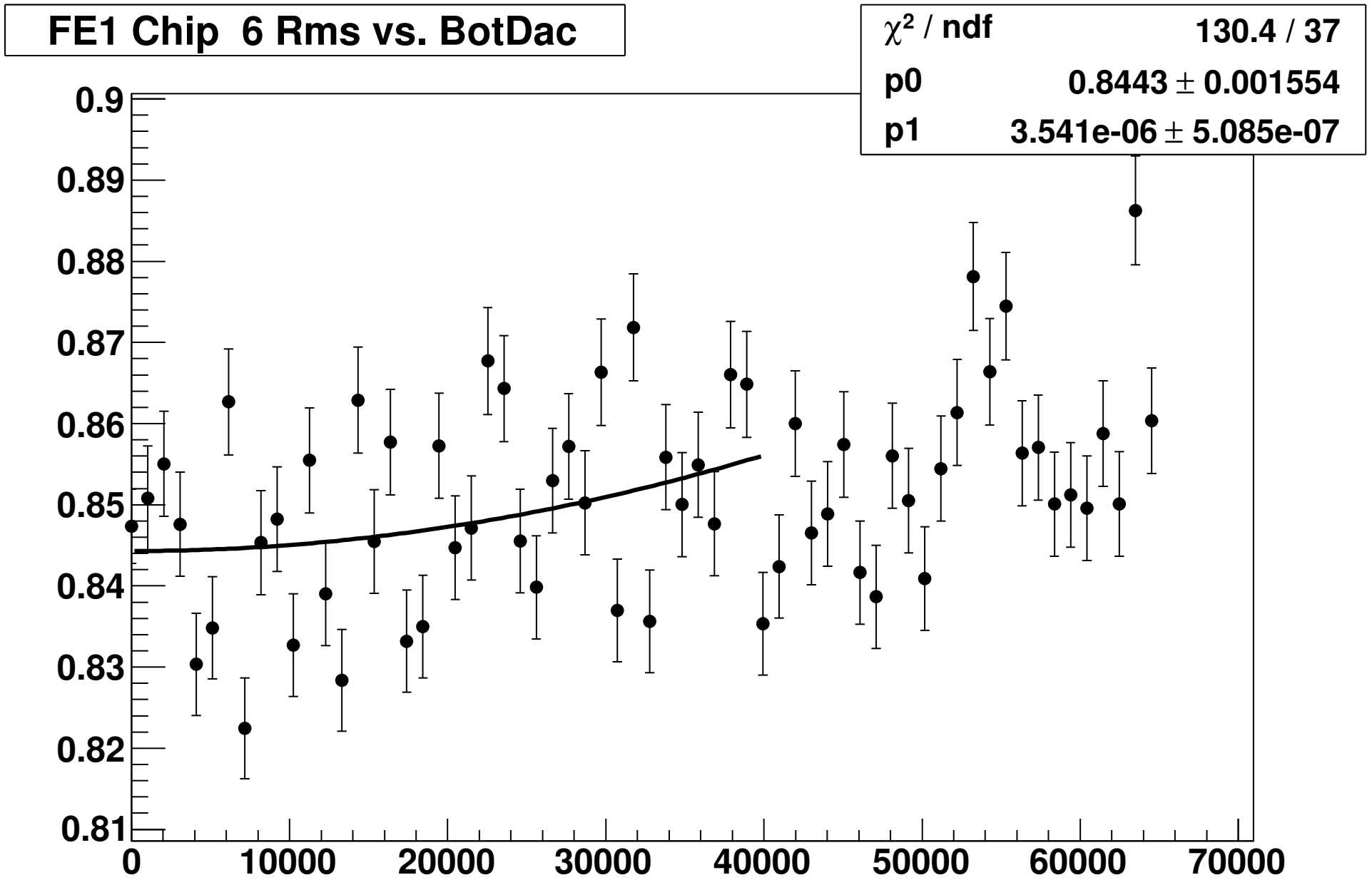

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 234.7 / 37
p0 -1.045 ± 0.002942
p1 -3.948e-07 ± 1.257e-07
-1
-1.05
-1.1
-1.15
-1.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 130.4 / 37
p0 0.8443 ± 0.001554
p1 3.541e-06 ± 5.085e-07
0.9
0.89
0.88
0.87
0.86
0.85
0.84
0.83
0.82
0.81
0
10000
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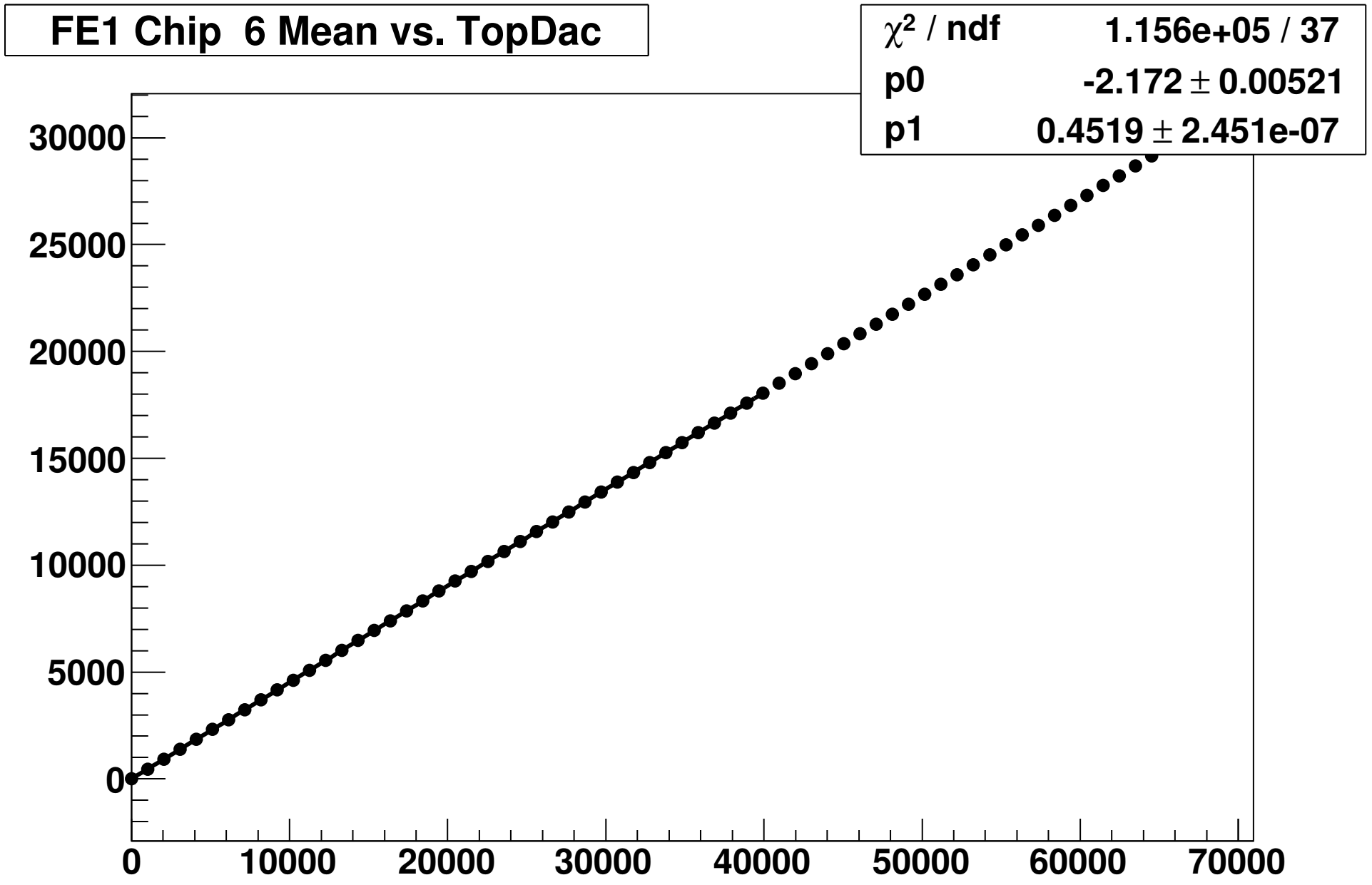
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.156e+05 / 37
p0 -2.172 ± 0.00521
p1 0.4519 ± 2.451e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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50000
60000
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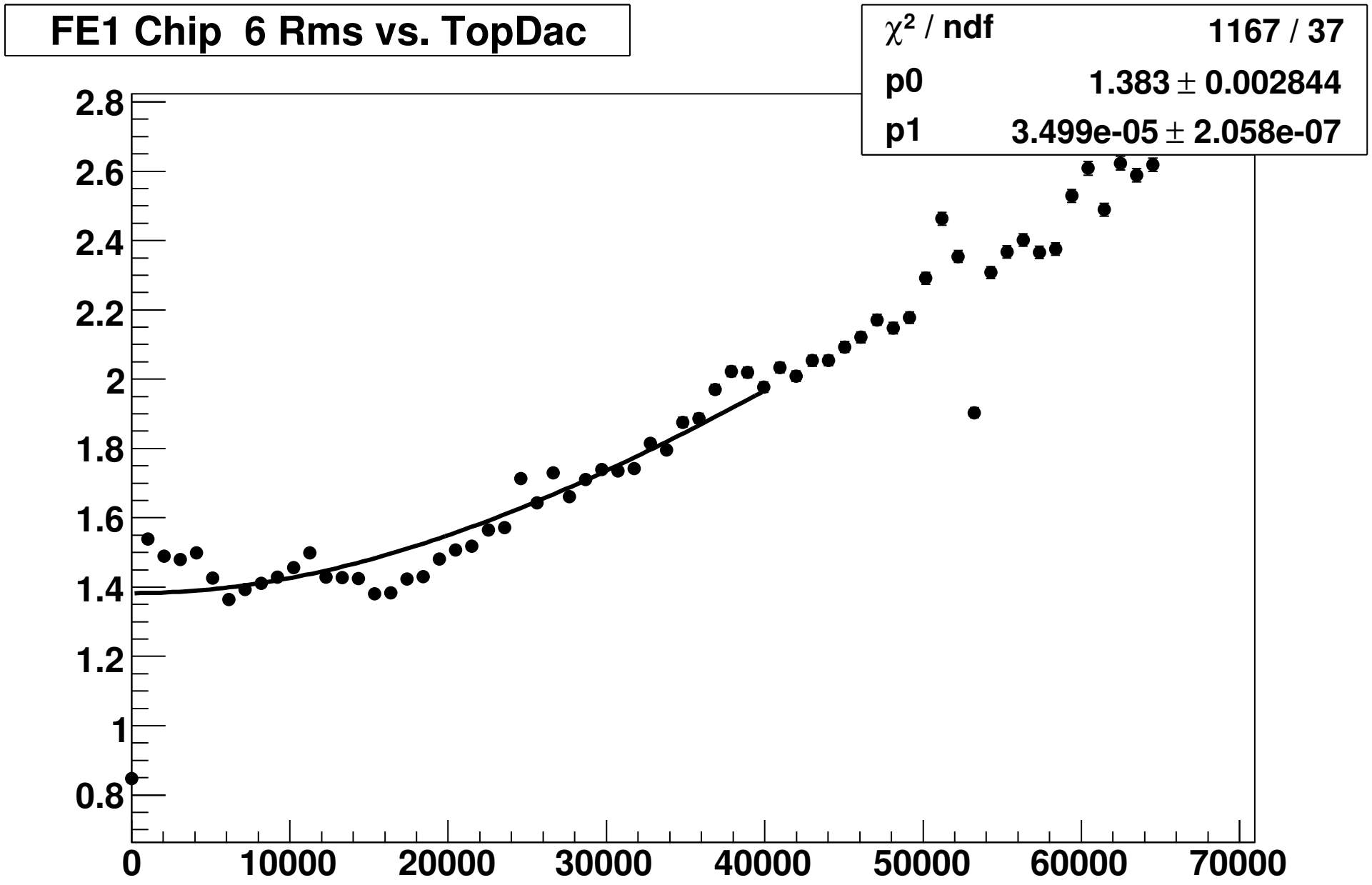
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 1167 / 37
p0 1.383 ± 0.002844
p1 3.499e-05 ± 2.058e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
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30000
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60000
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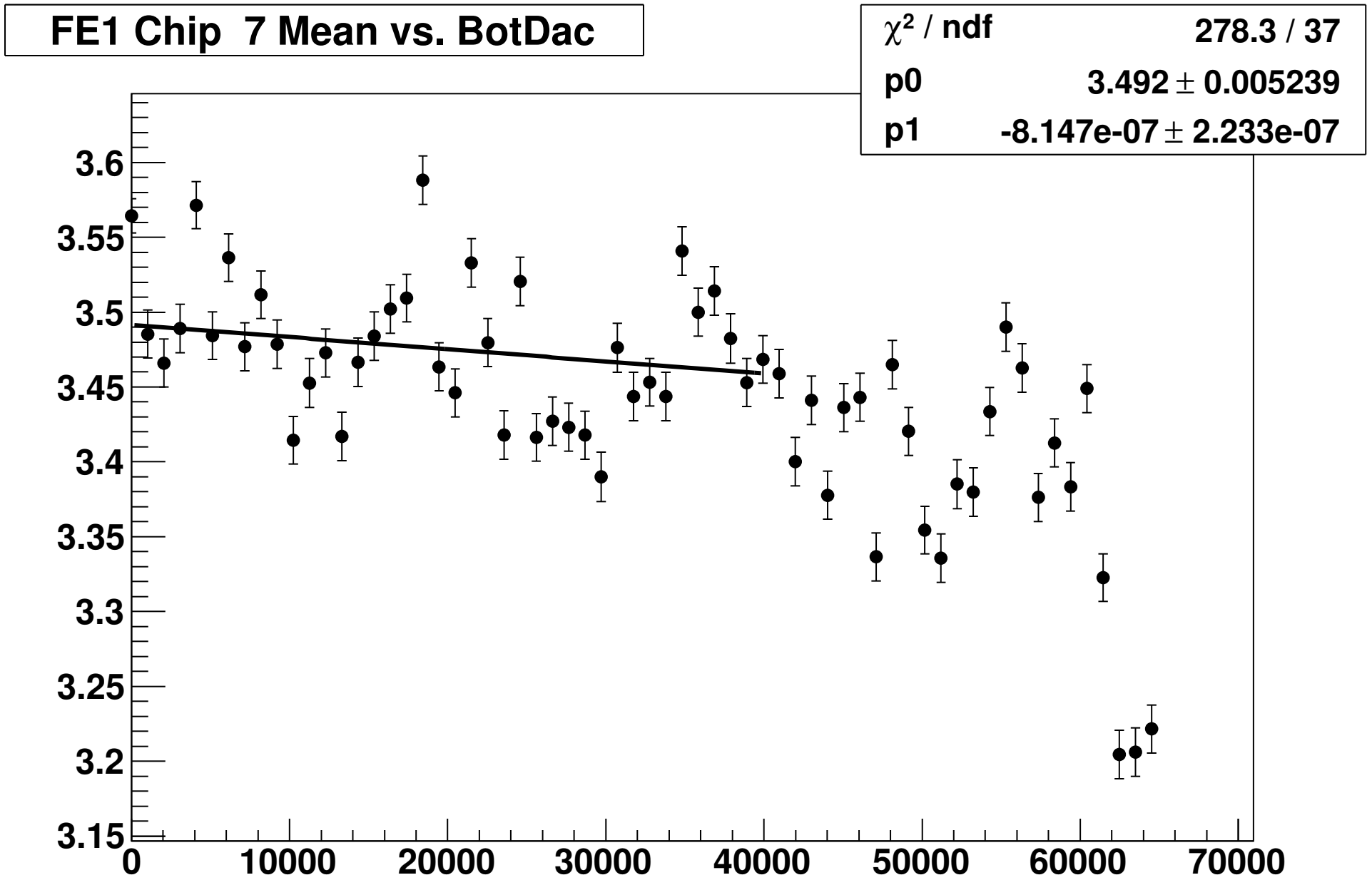
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 278.3 / 37
p0 3.492 ± 0.005239
p1 -8.147e-07 ± 2.233e-07
3.6
3.55
3.5
3.45
3.4
3.35
3.3
3.25
3.2
3.15
0
10000
20000
30000
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50000
60000
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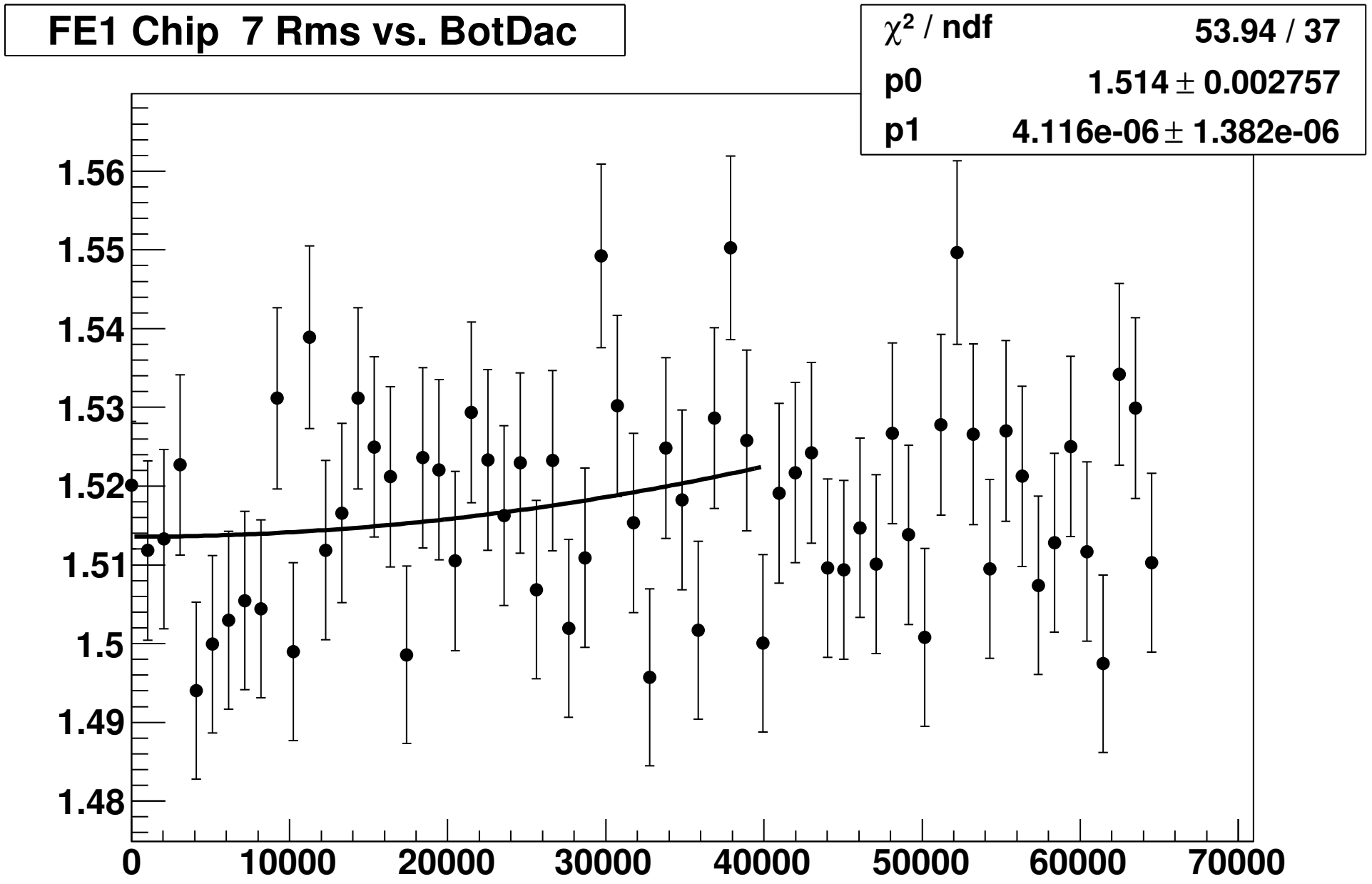
FE1 Chip 7 Rms vs. BotDac
χ² / ndf 53.94 / 37
p0 1.514 ± 0.002757
p1 4.116e-06 ± 1.382e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
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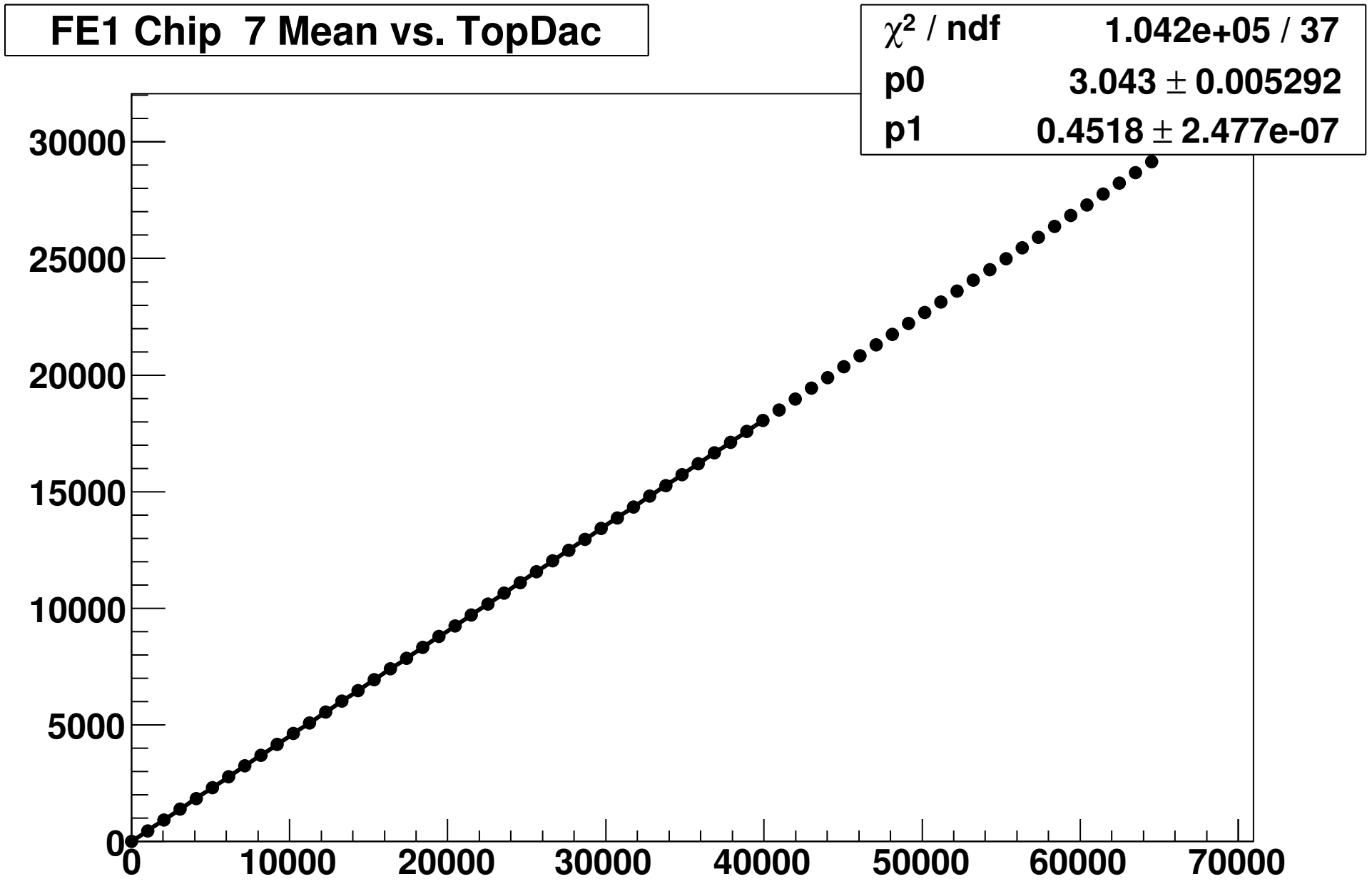
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.042e+05 / 37
p0 3.043 ± 0.005292
p1 0.4518 ± 2.477e-07
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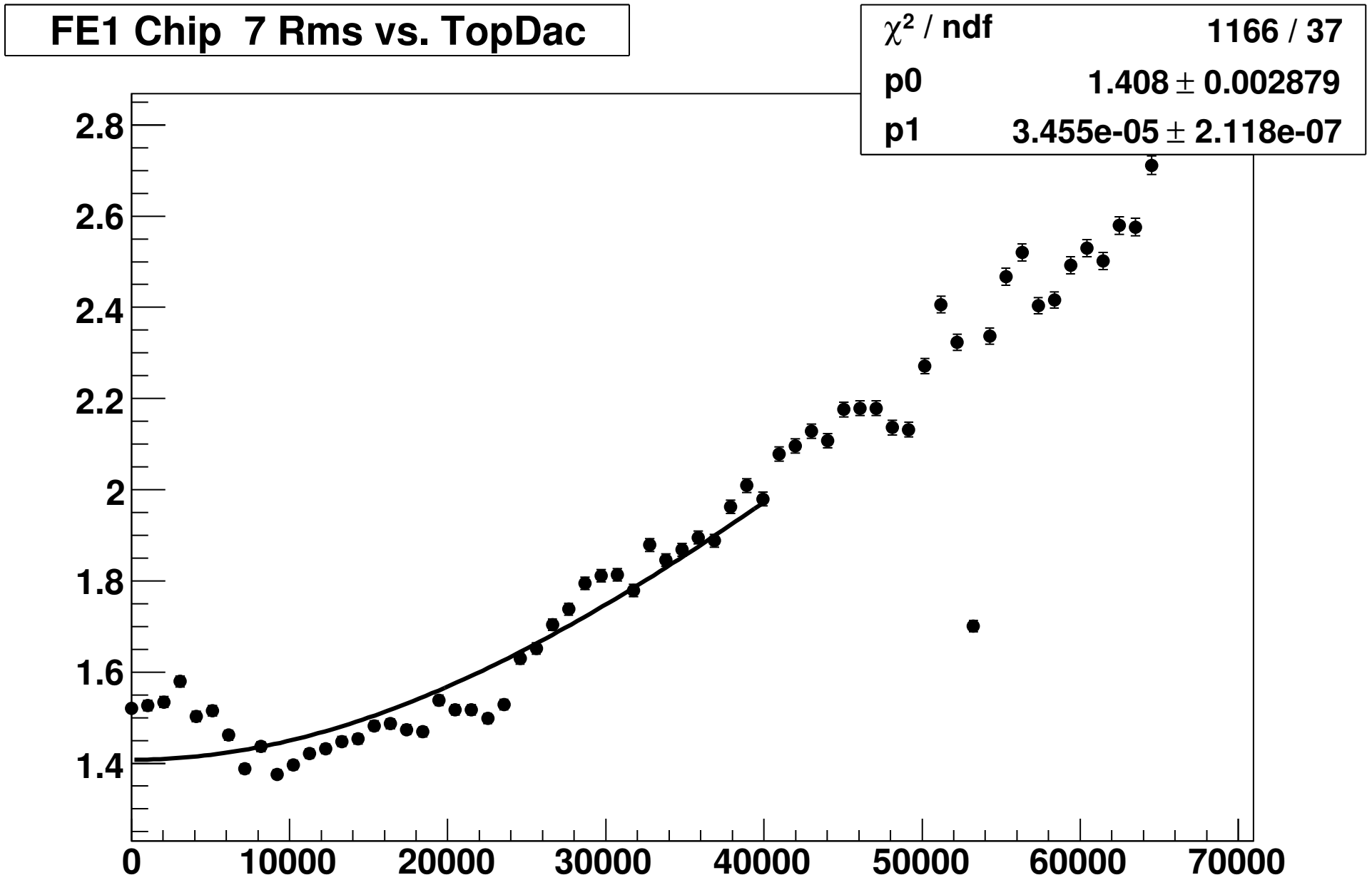
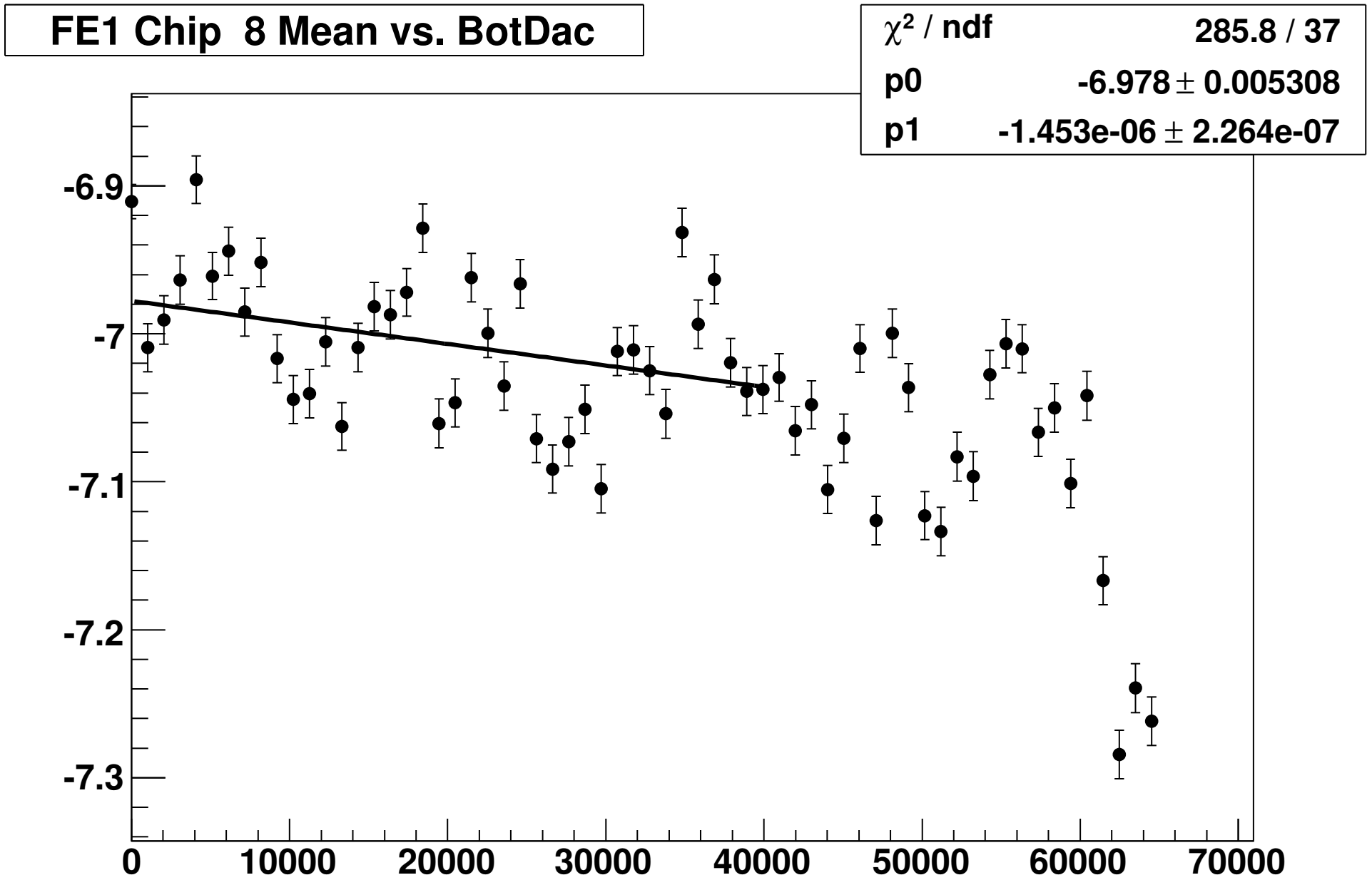
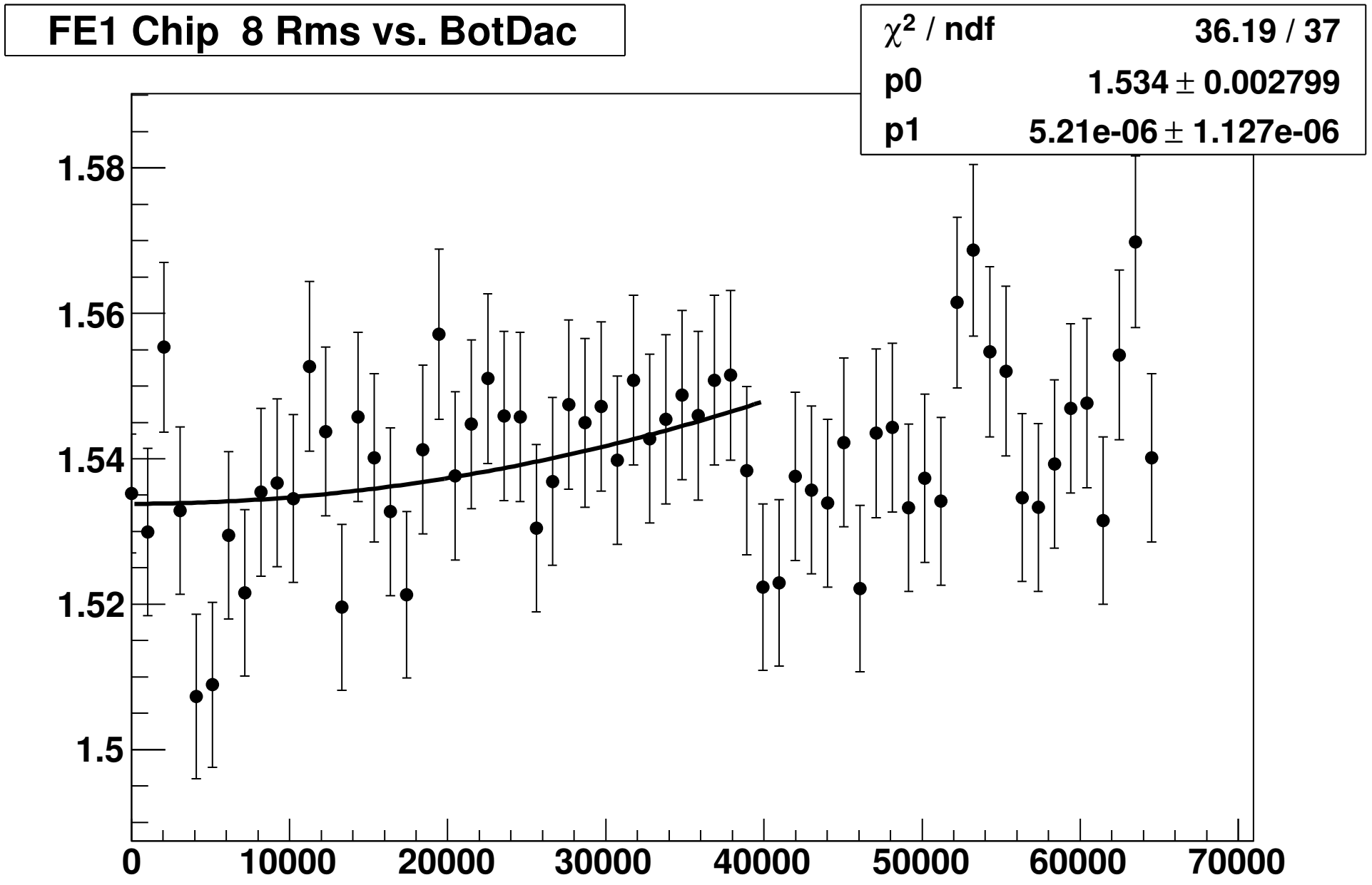
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1166 / 37
p0 1.408 ± 0.002879
p1 3.455e-05 ± 2.118e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 285.8 / 37
p0 -6.978 ± 0.005308
p1 -1.453e-06 ± 2.264e-07
-6.9
-7
-7.1
-7.2
-7.3
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 36.19 / 37
p0 1.534 ± 0.002799
p1 5.21e-06 ± 1.127e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
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50000
60000
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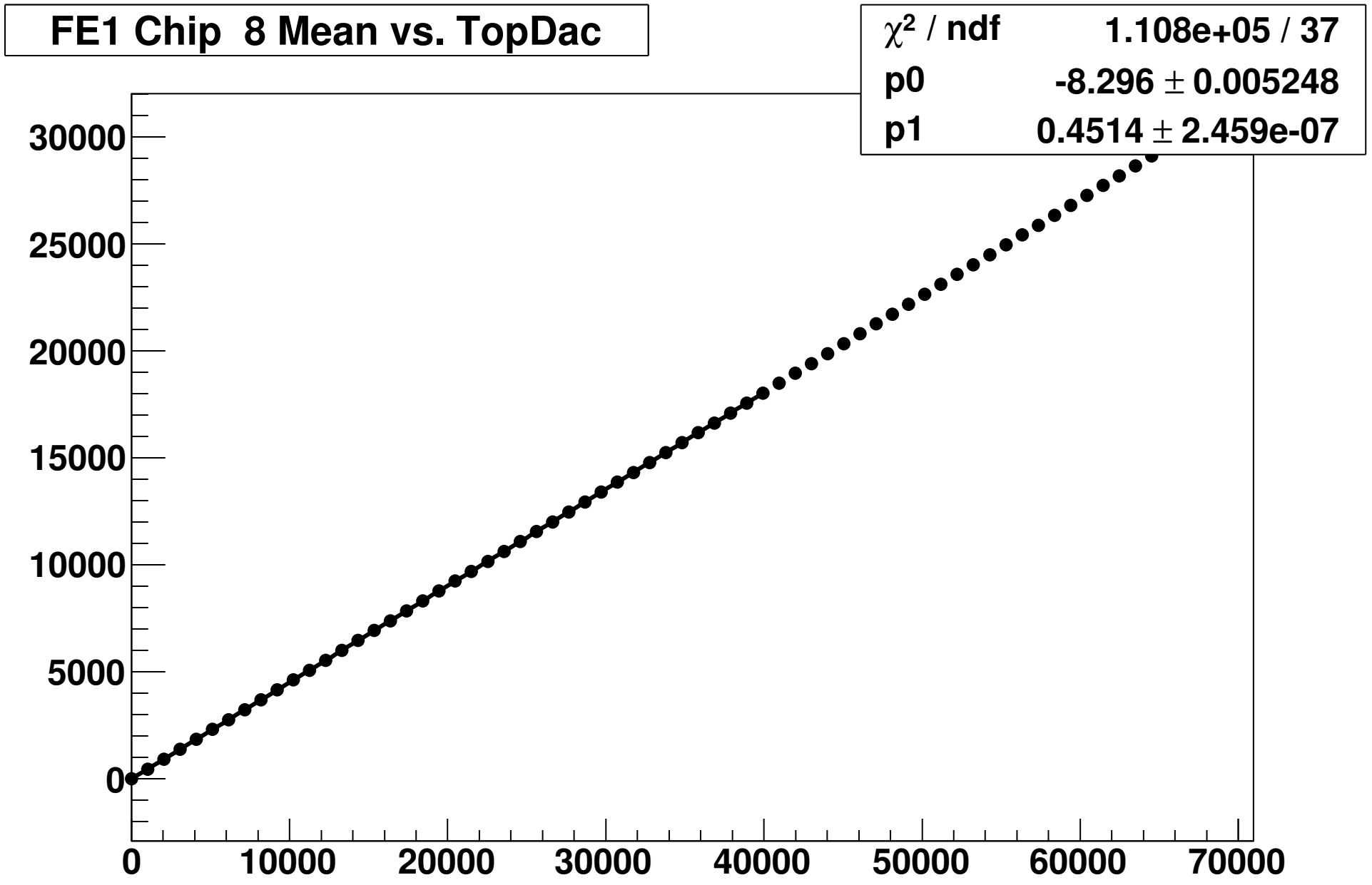
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.108e+05 / 37
p0 -8.296 ± 0.005248
p1 0.4514 ± 2.459e-07
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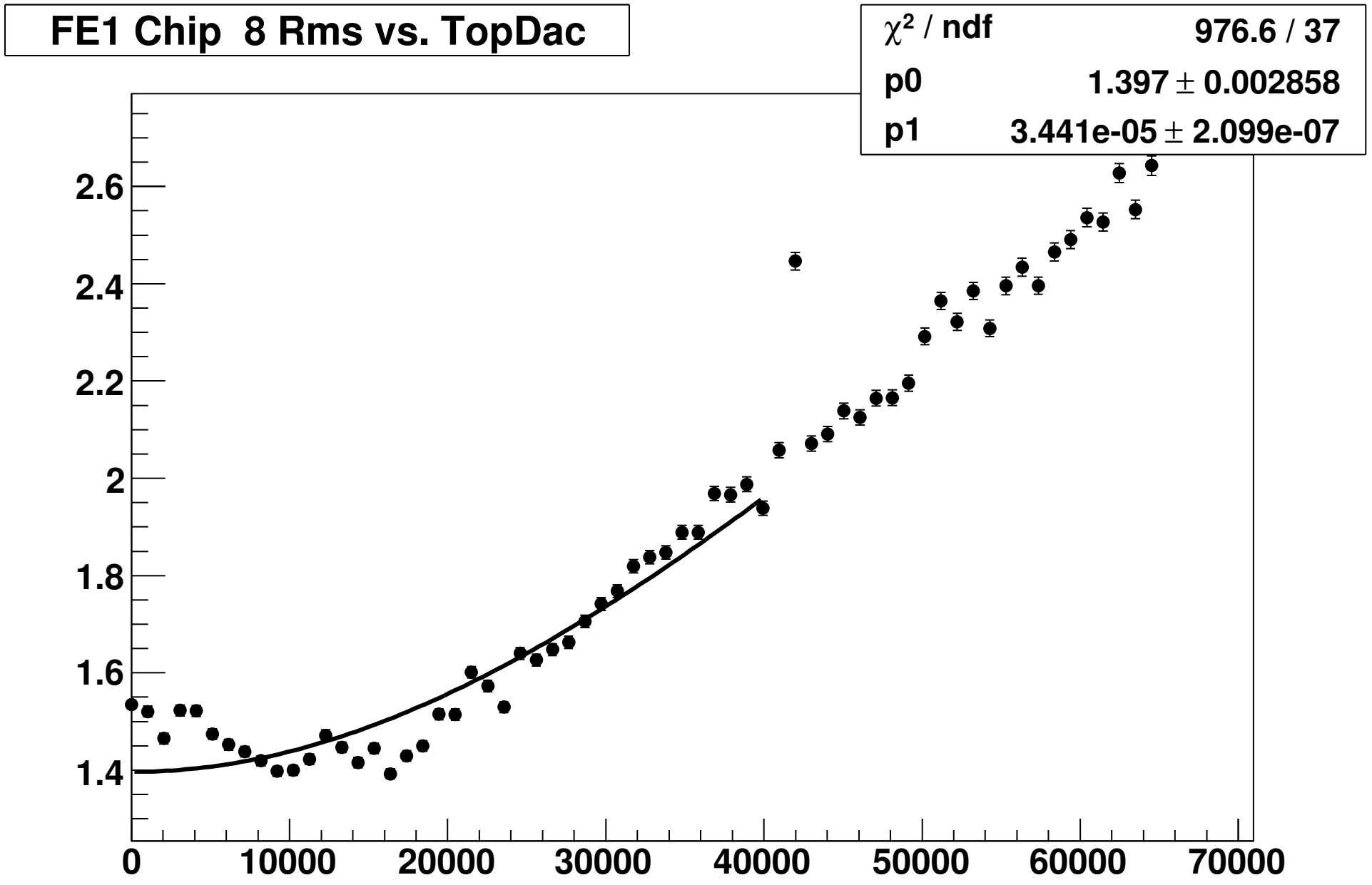
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 976.6 / 37
p0 1.397 ± 0.002858
p1 3.441e-05 ± 2.099e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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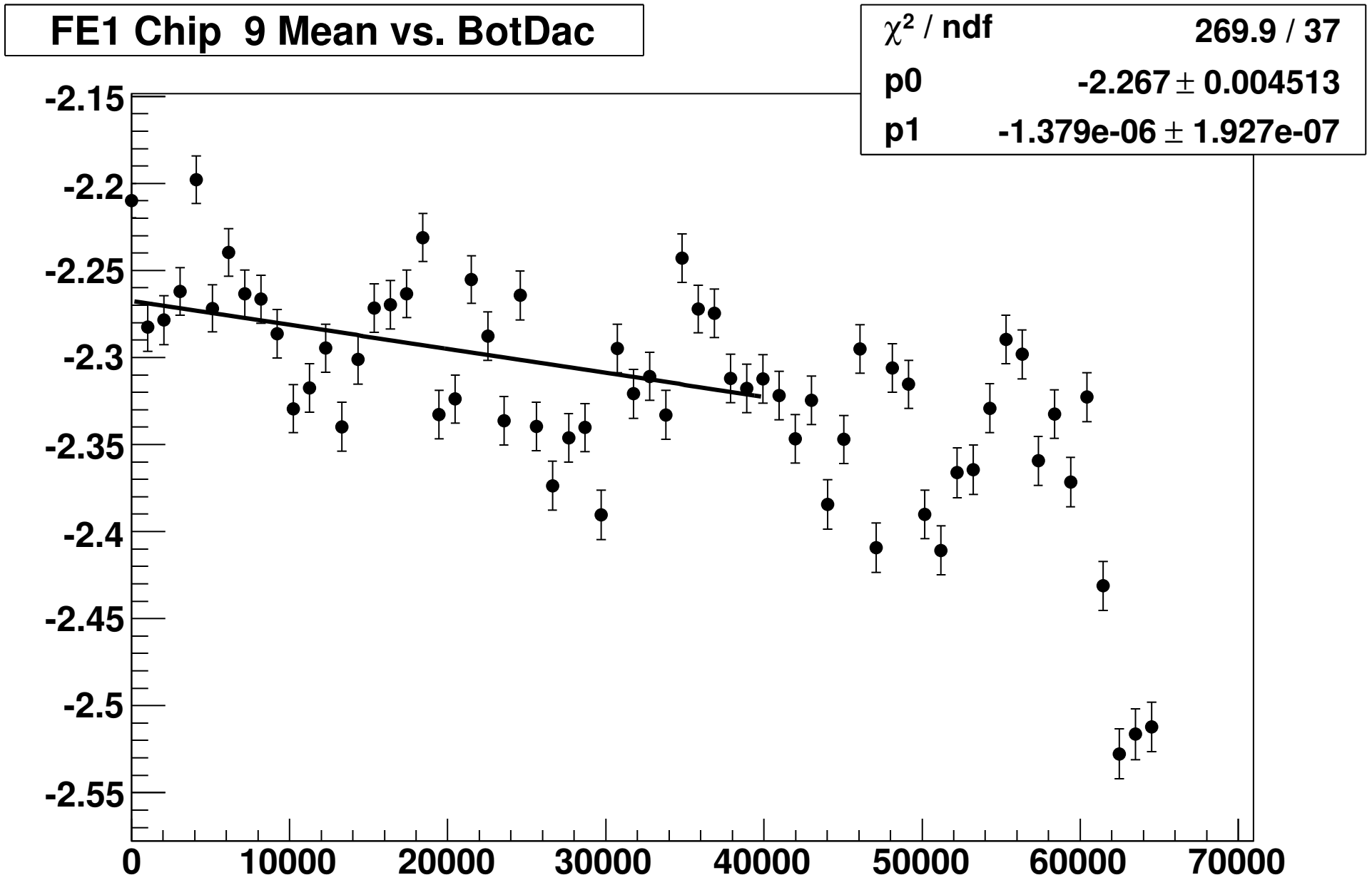
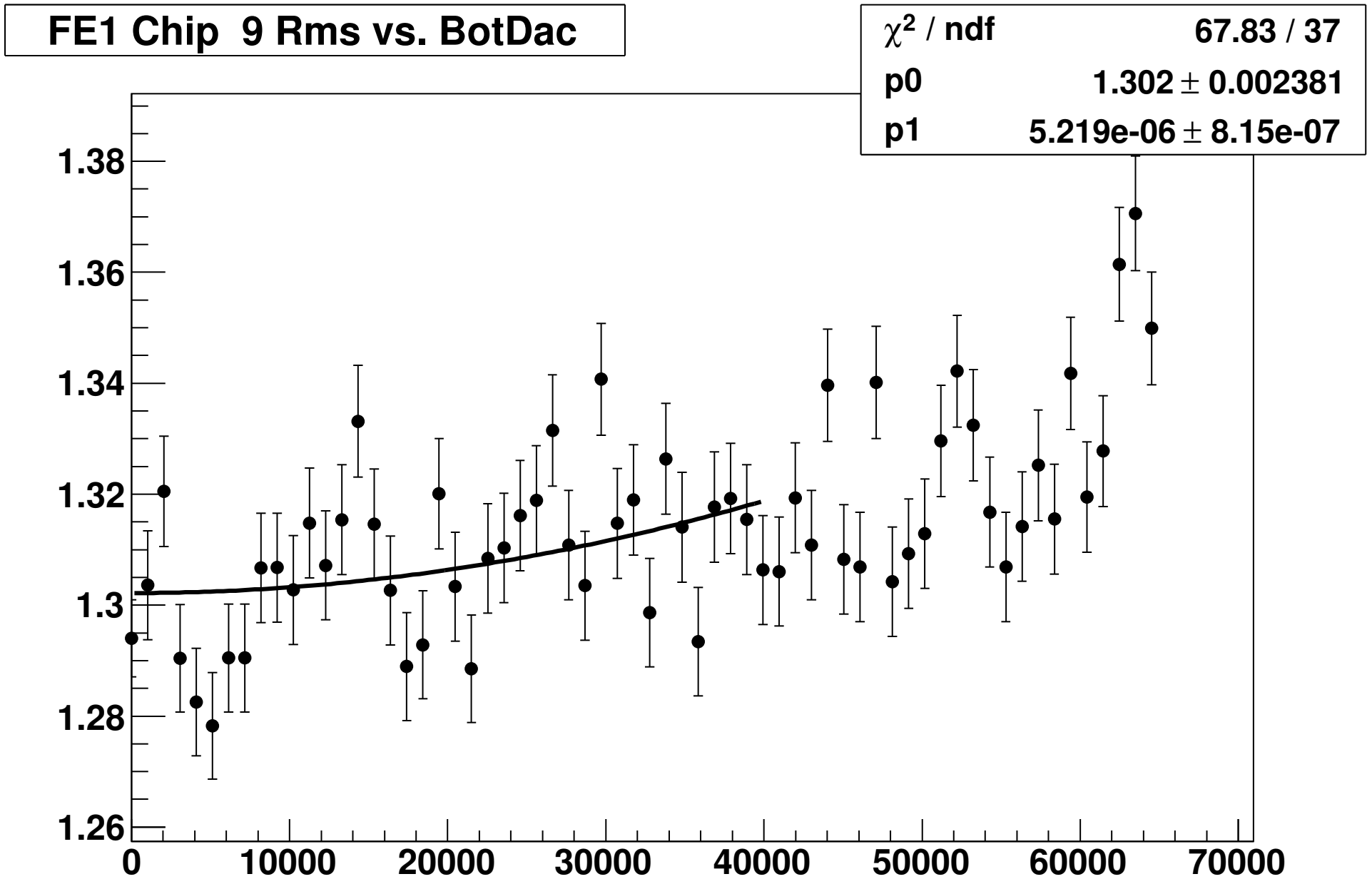

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 269.9 / 37
p0 -2.267 ± 0.004513
p1 -1.379e-06 ± 1.927e-07
-2.15
-2.2
-2.25
-2.3
-2.35
-2.4
-2.45
-2.5
-2.55
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 67.83 / 37
p0 1.302 ± 0.002381
p1 5.219e-06 ± 8.15e-07
1.38
1.36
1.34
1.32
1.3
1.28
1.26
0
10000
20000
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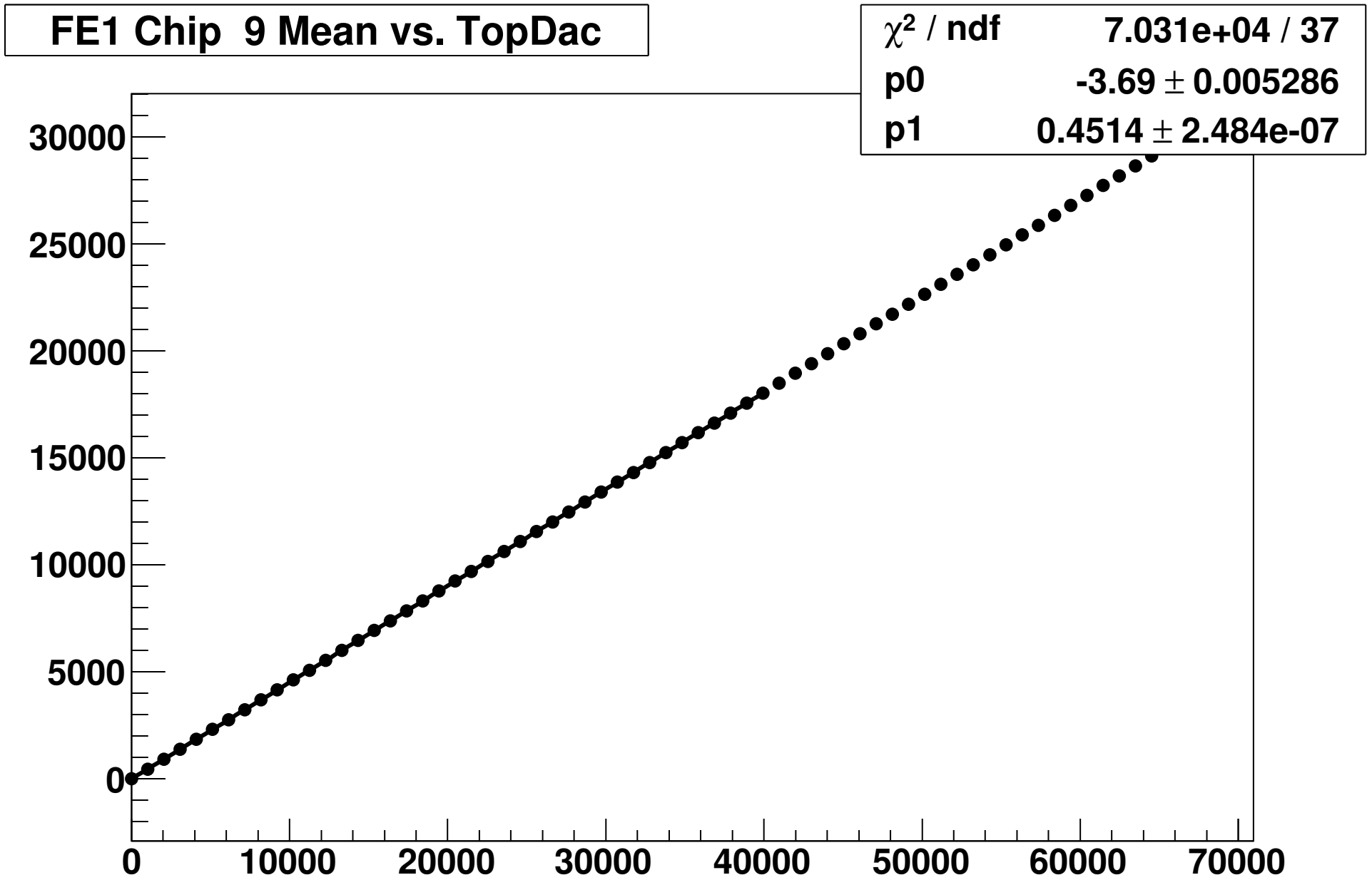
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 7.031e+04 / 37
p0 -3.69 ± 0.005286
p1 0.4514 ± 2.484e-07
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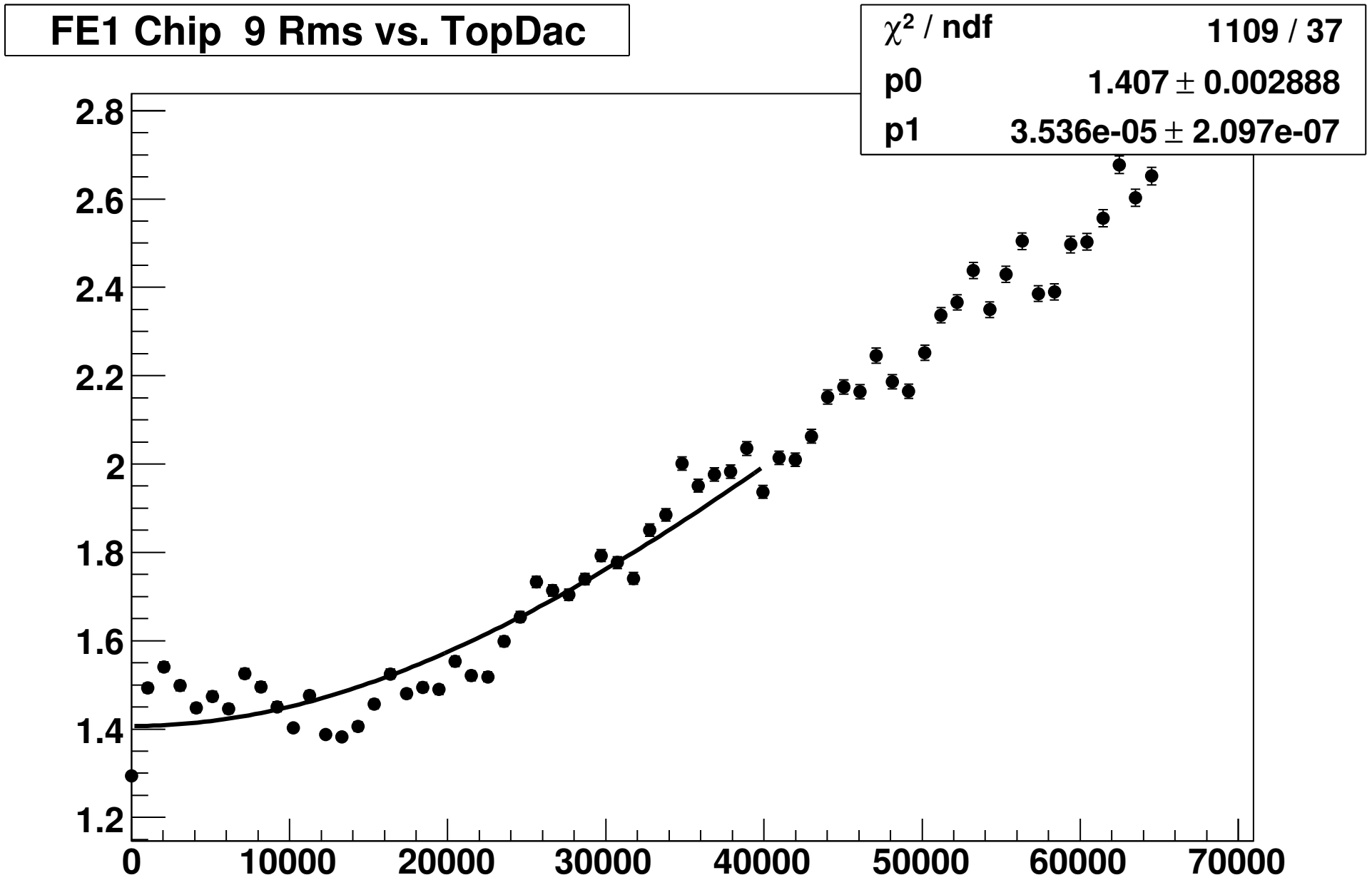
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1109 / 37
p0 1.407 ± 0.002888
p1 3.536e-05 ± 2.097e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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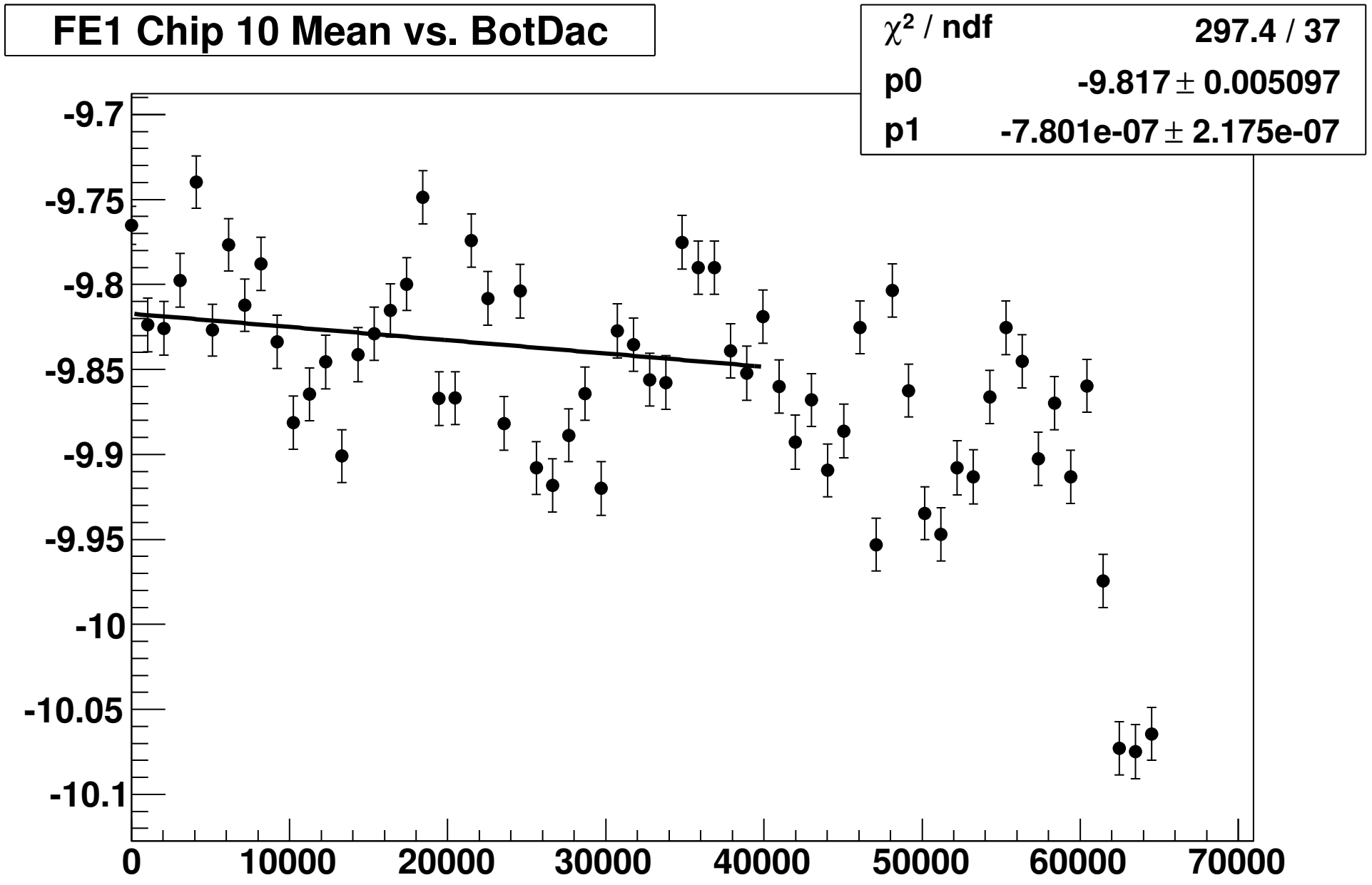
50000
60000
70000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 297.4 / 37
p0 -9.817 ± 0.005097
p1 -7.801e-07 ± 2.175e-07
-9.7
-9.75
-9.8
-9.85
-9.9
-9.95
-10
-10.05
-10.1
0
10000
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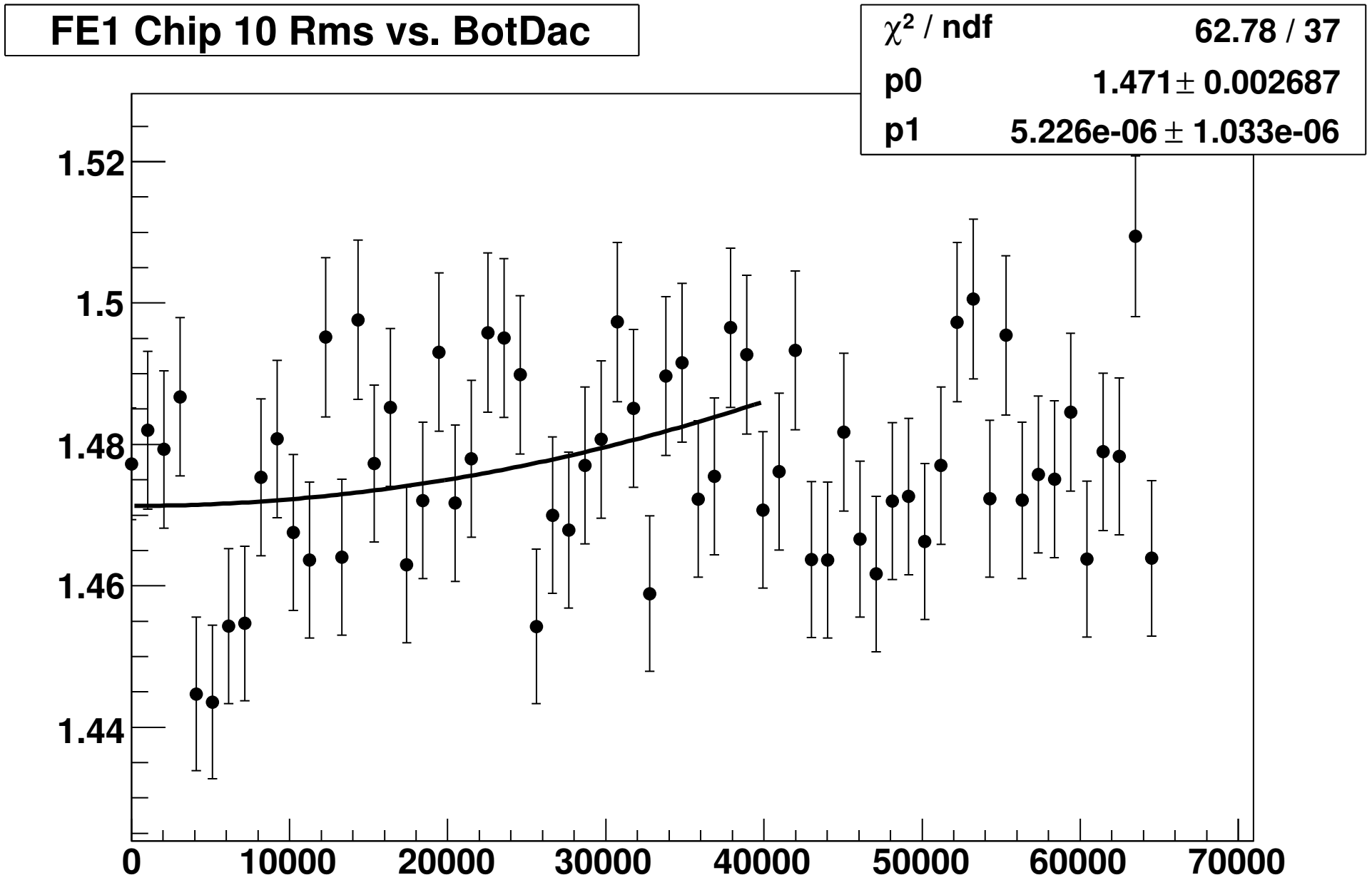
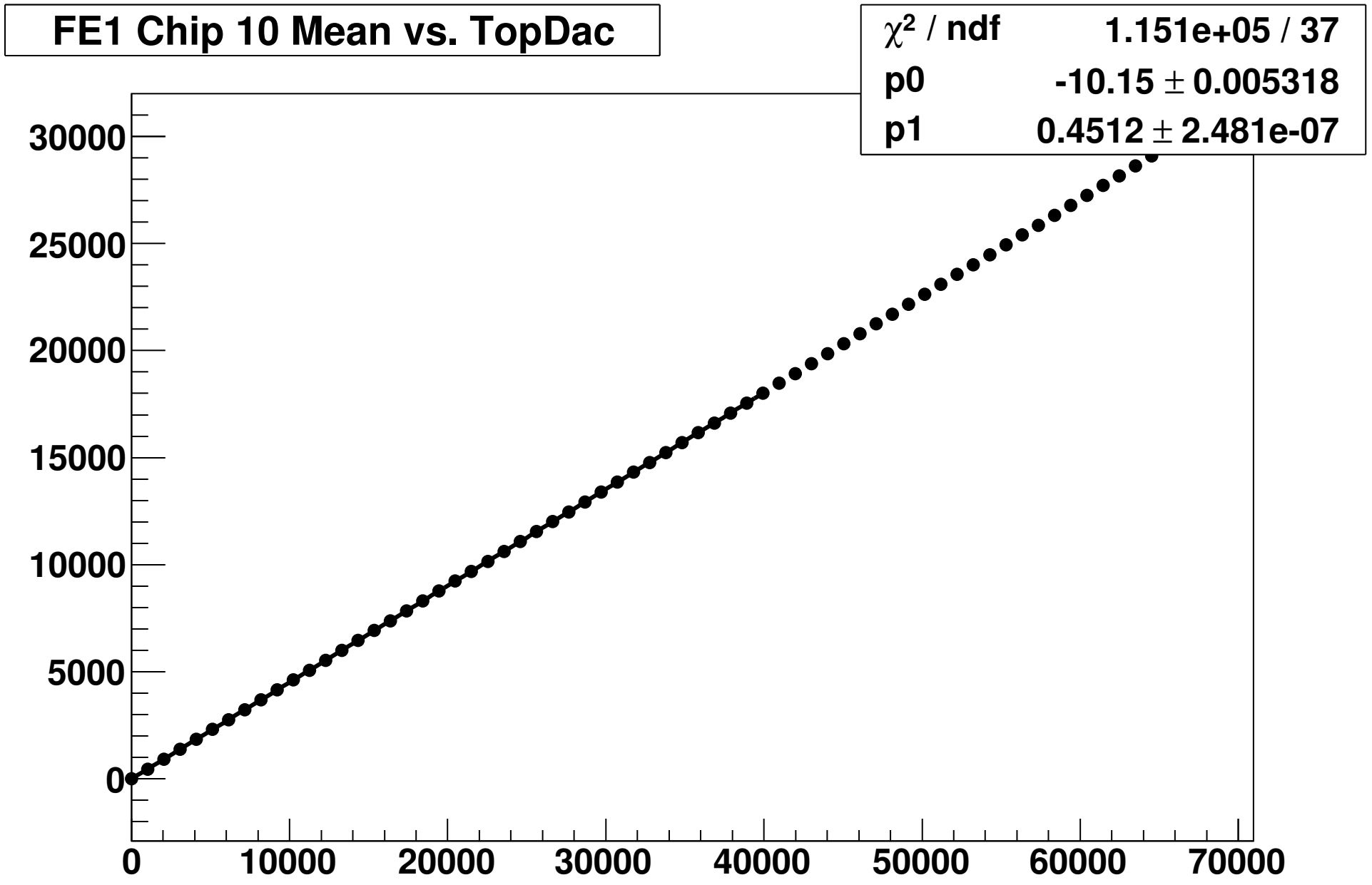
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 62.78 / 37
p0 1.471 ± 0.002687
p1 5.226e-06 ± 1.033e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.151e+05 / 37
p0 -10.15 ± 0.005318
p1 0.4512 ± 2.481e-07
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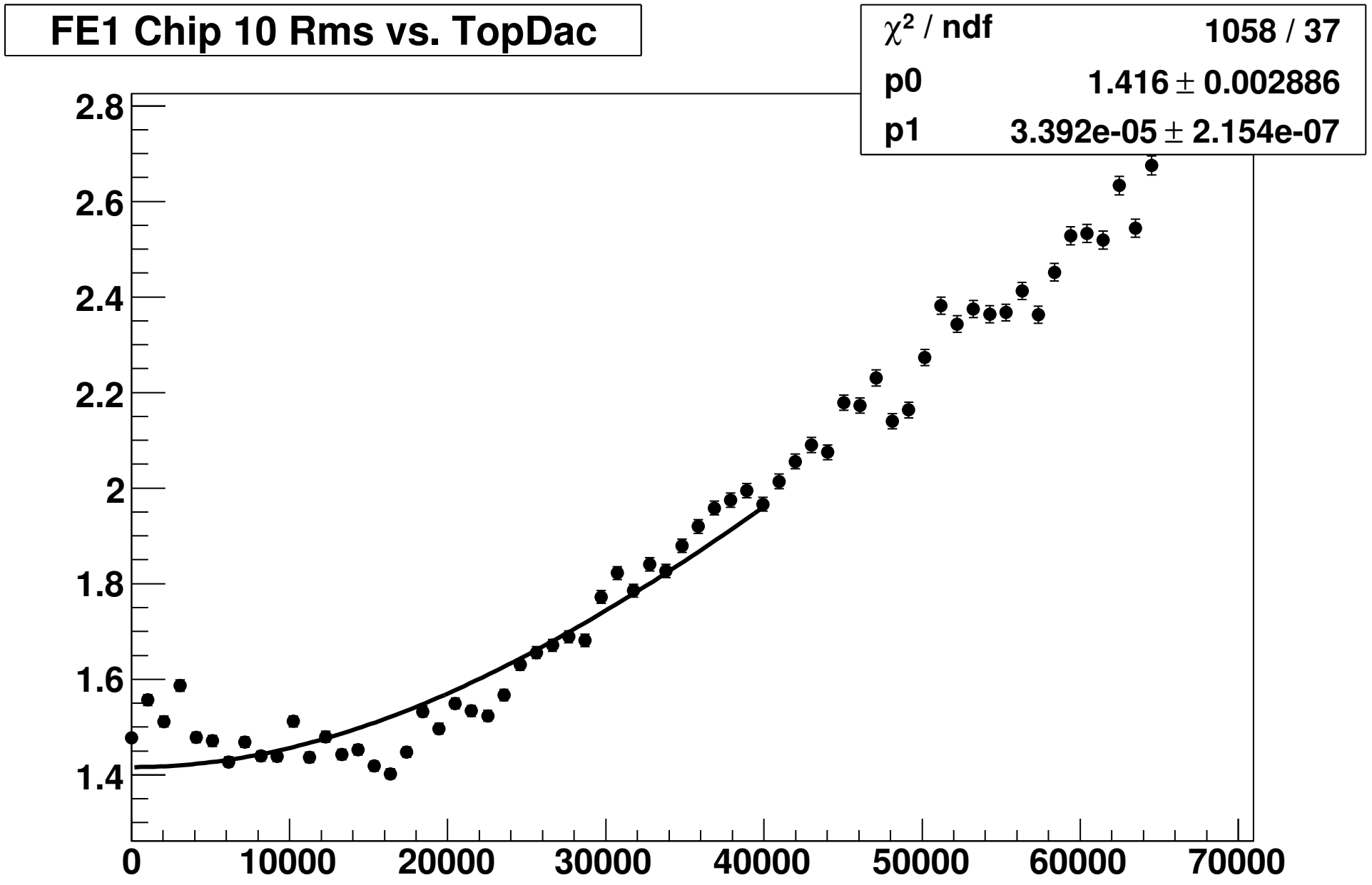
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1058 / 37
p0 1.416 ± 0.002886
p1 3.392e-05 ± 2.154e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
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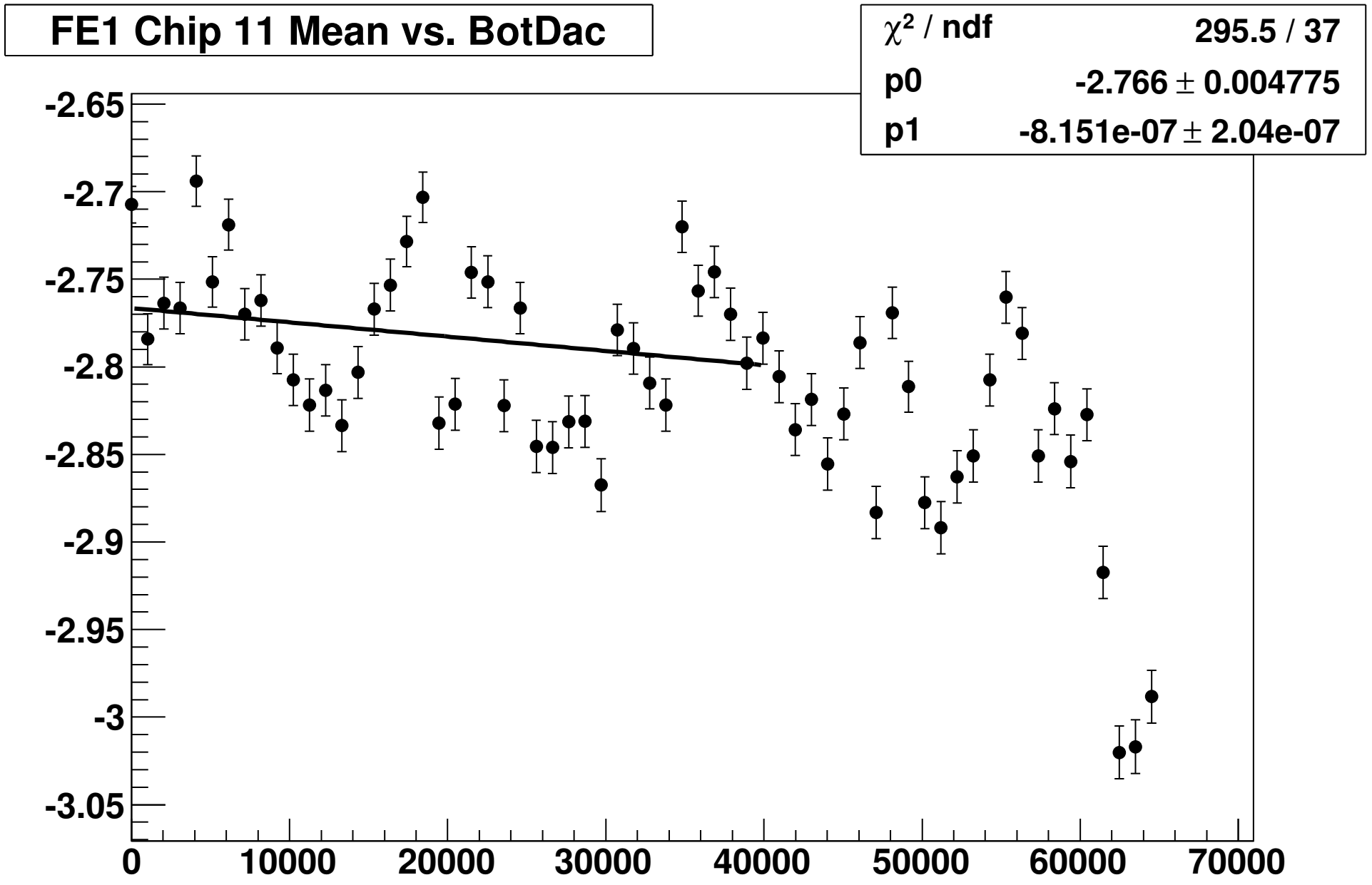
FE1 Chip 11 Mean vs. BotDac
χ² / ndf 295.5 / 37
p0 -2.766 ± 0.004775
p1 -8.151e-07 ± 2.04e-07
-2.65
-2.7
-2.75
-2.8
-2.85
-2.9
-2.95
-3
-3.05
0
10000
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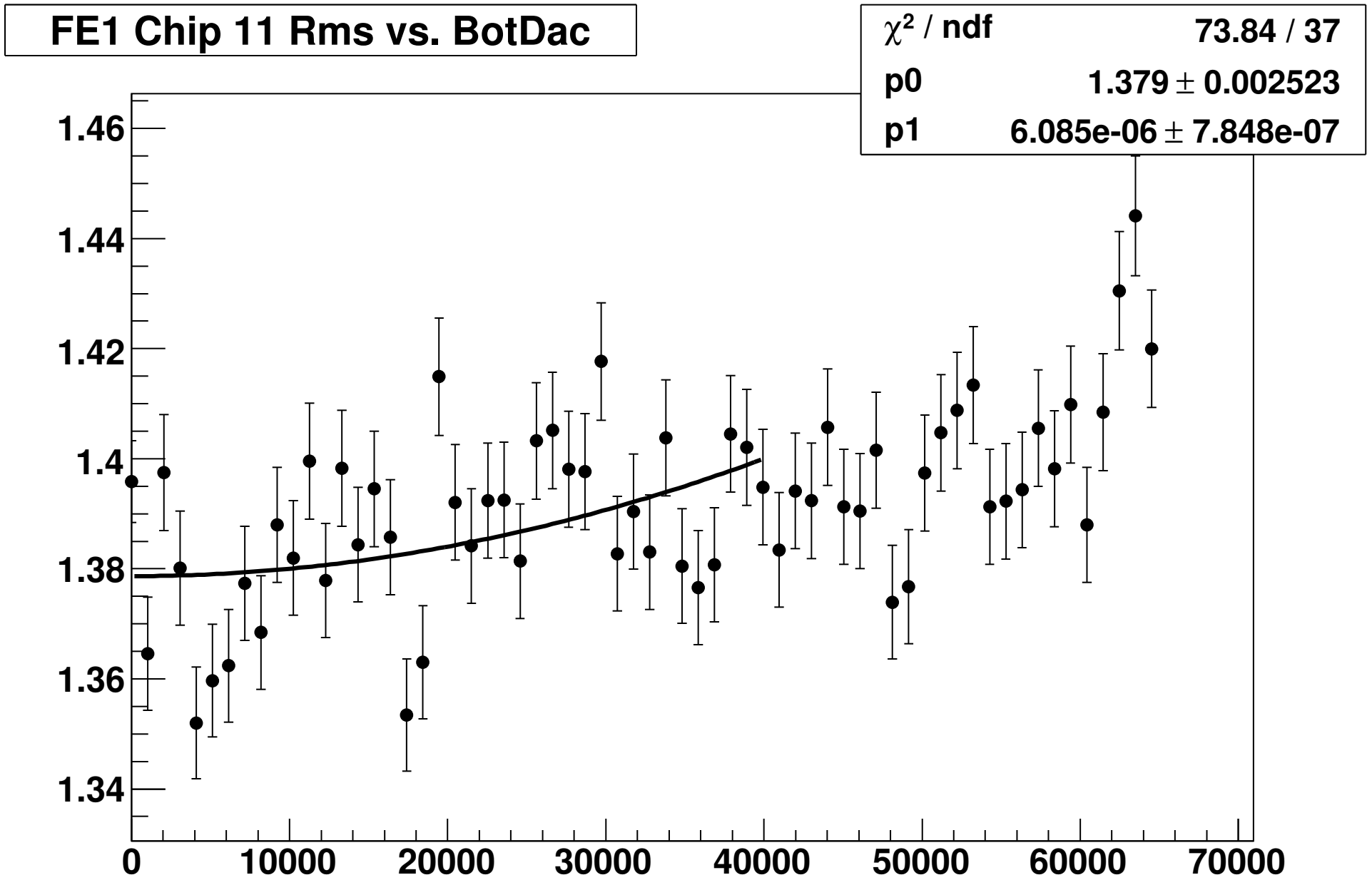
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 73.84 / 37
p0 1.379 ± 0.002523
p1 6.085e-06 ± 7.848e-07
1.46
1.44
1.42
1.4
1.38
1.36
1.34
0
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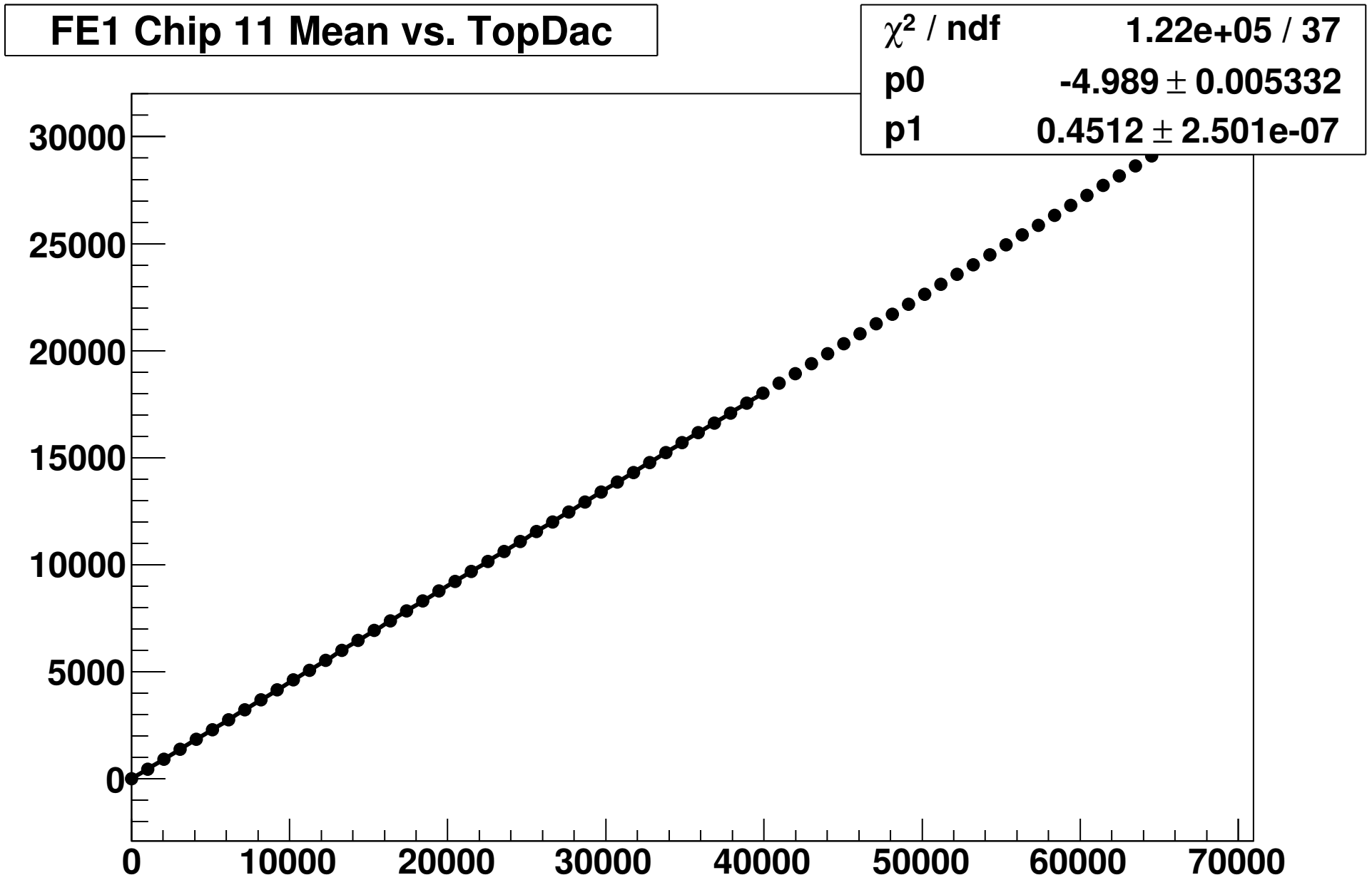
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.22e+05 / 37
p0 -4.989 ± 0.005332
p1 0.4512 ± 2.501e-07
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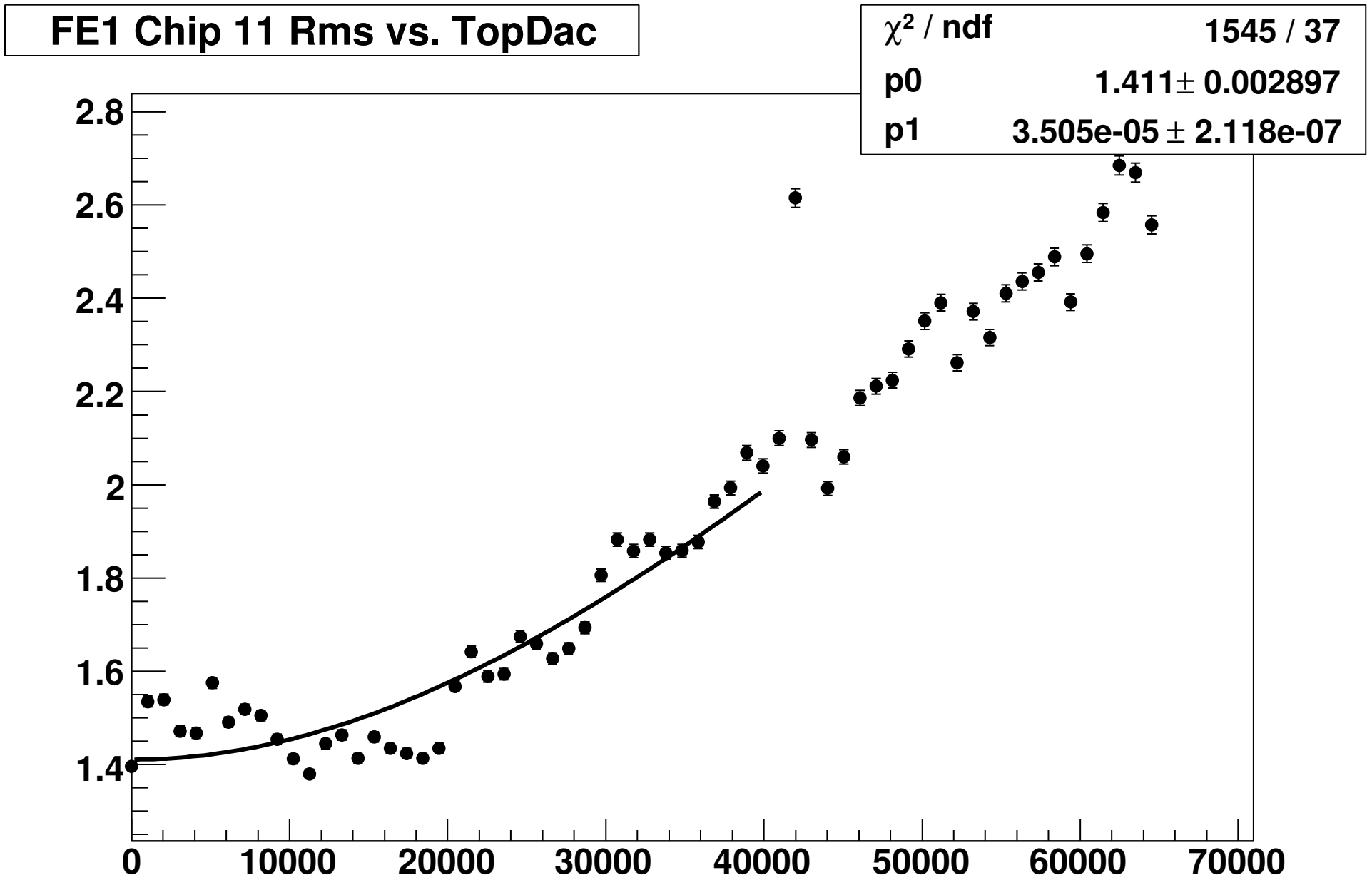
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1545 / 37
p0 1.411 ± 0.002897
p1 3.505e-05 ± 2.118e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
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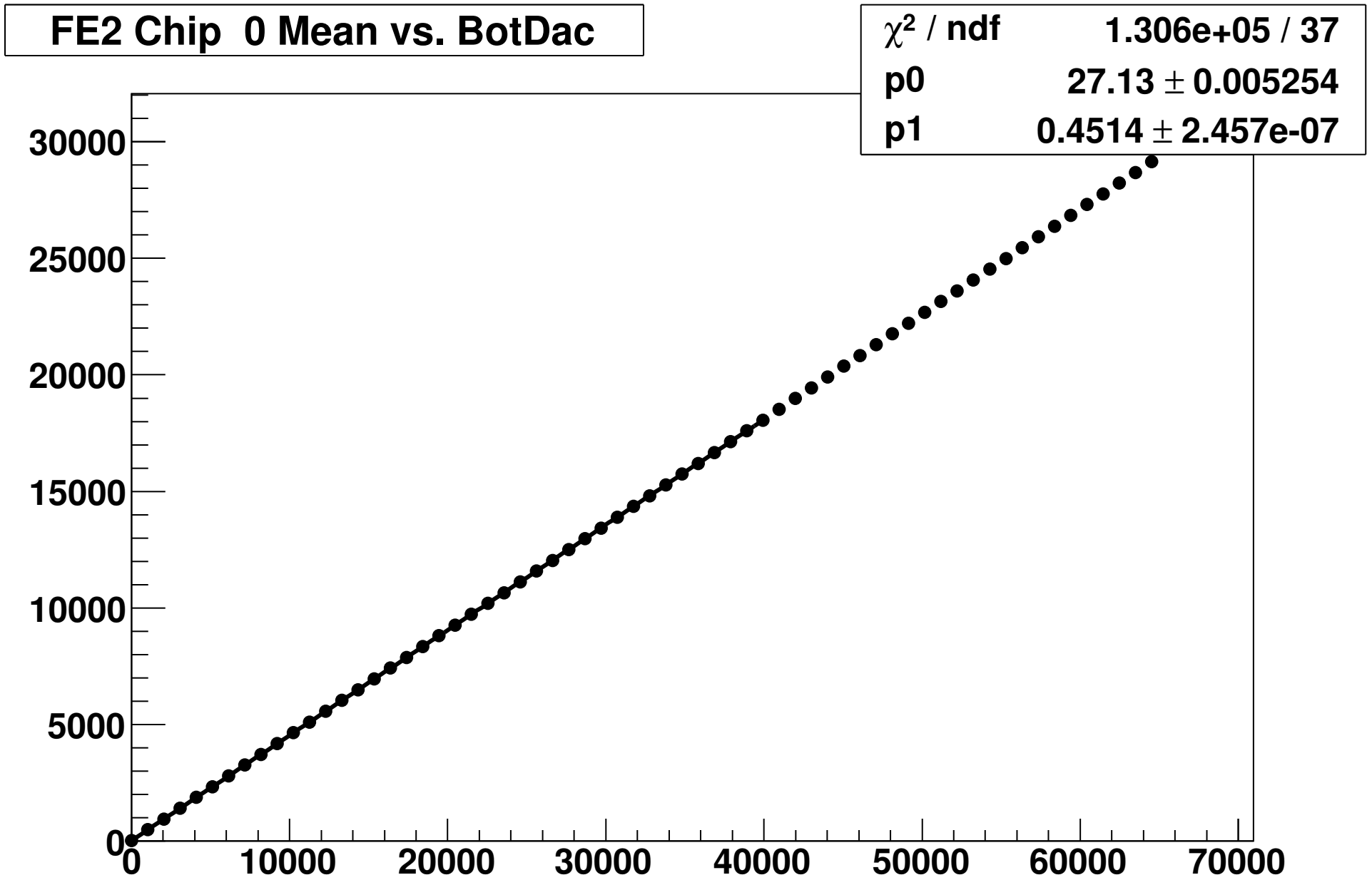
FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.306e+05 / 37
p0 27.13 ± 0.005254
p1 0.4514 ± 2.457e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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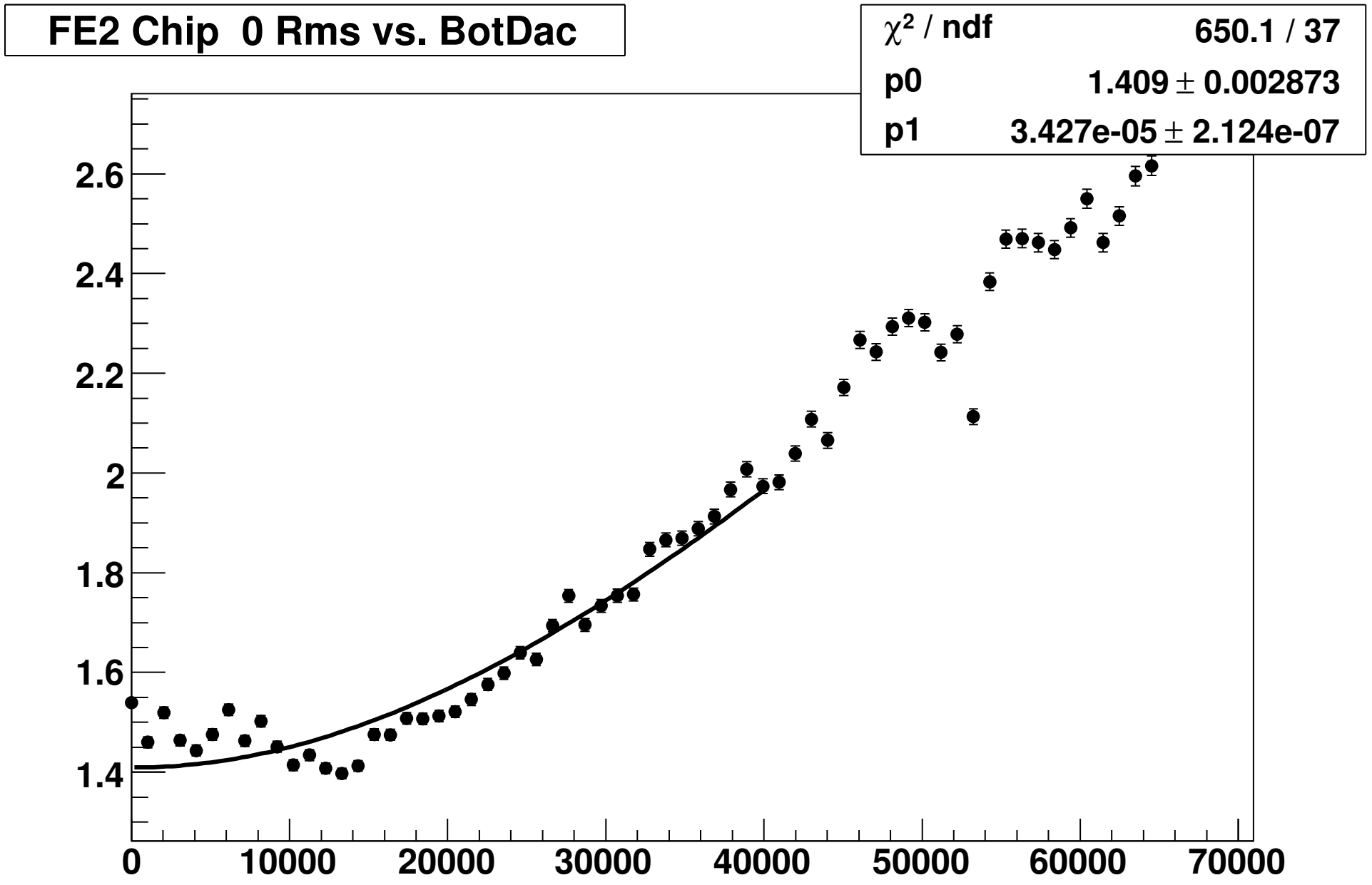
FE2 Chip 0 Rms vs. BotDac
χ² / ndf 650.1 / 37
p0 1.409 ± 0.002873
p1 3.427e-05 ± 2.124e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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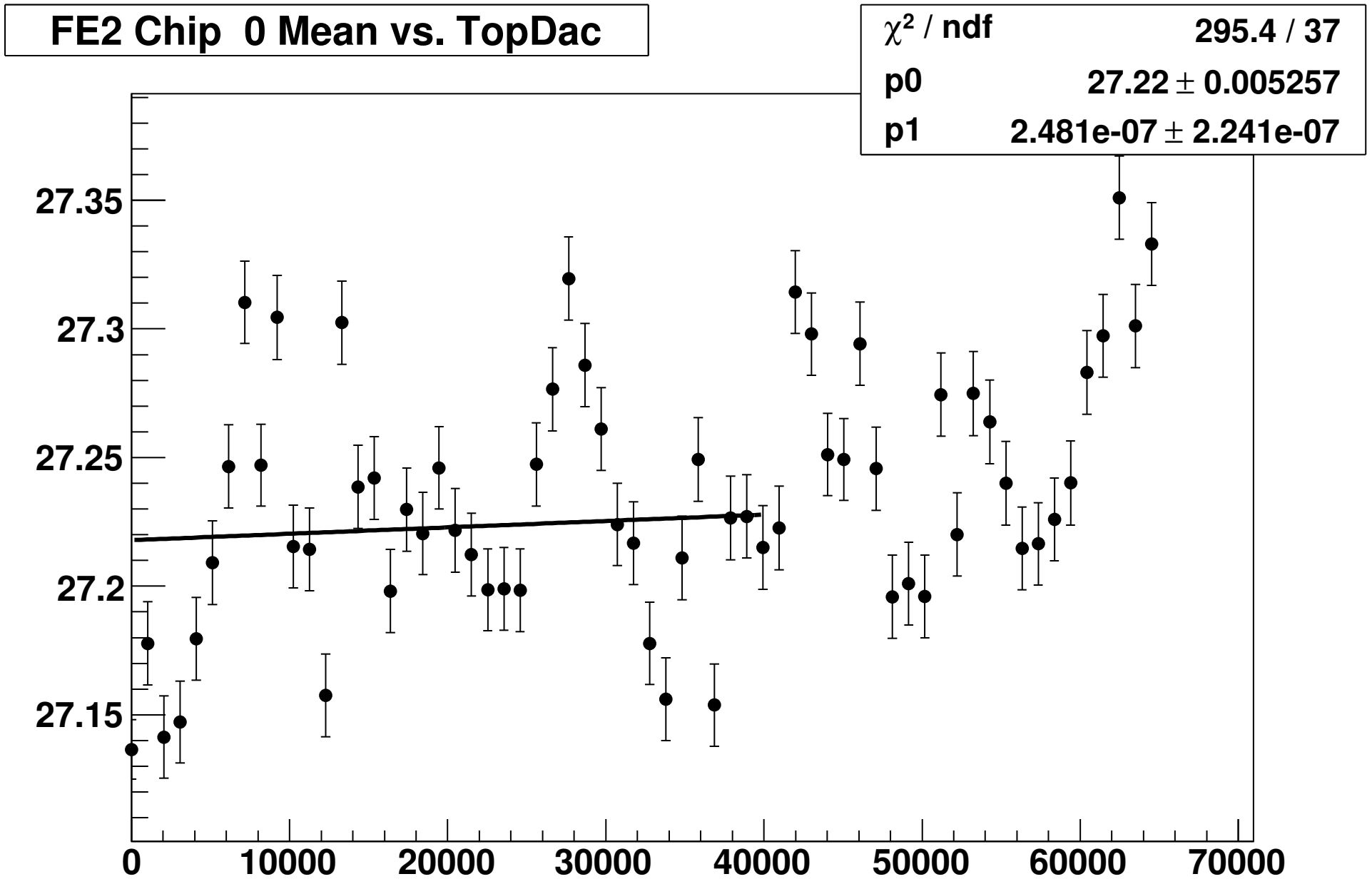
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 295.4 / 37
p0 27.22 ± 0.005257
p1 2.481e-07 ± 2.241e-07
27.35
27.3
27.25
27.2
27.15
0
10000
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40000
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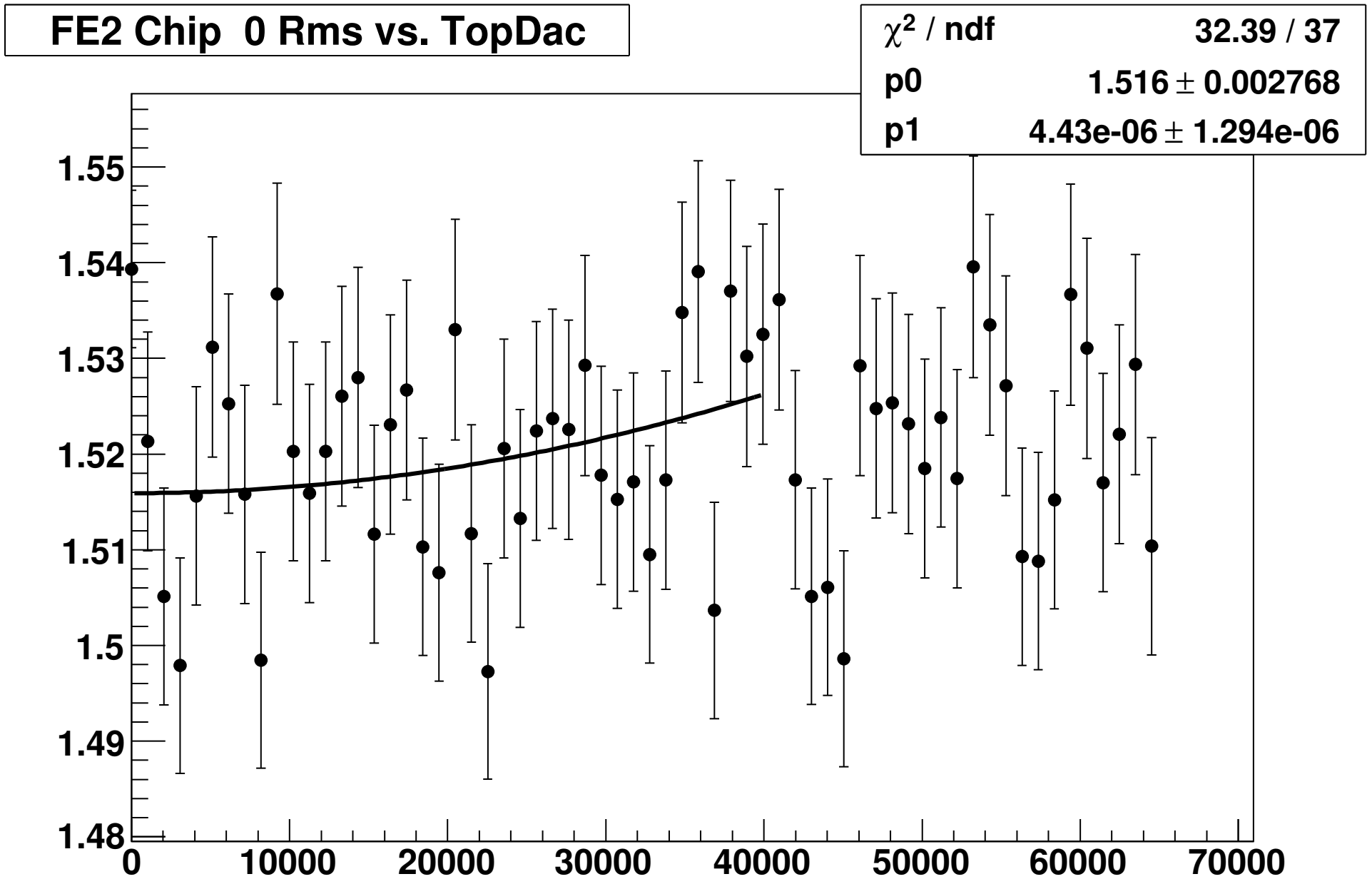
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 32.39 / 37
p0 1.516 ± 0.002768
p1 4.43e-06 ± 1.294e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
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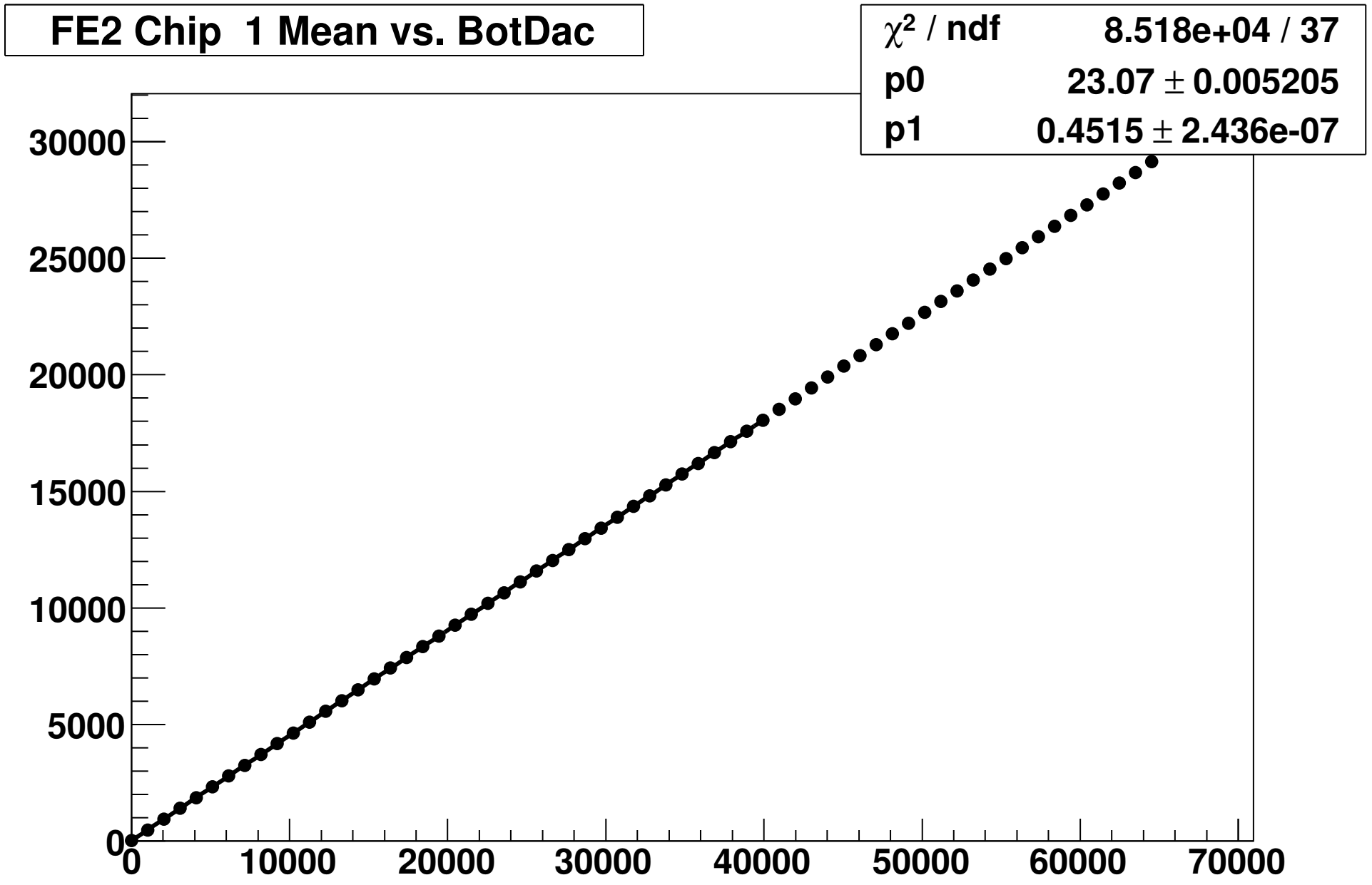
70000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 8.518e+04 / 37
p0 23.07 ± 0.005205
p1 0.4515 ± 2.436e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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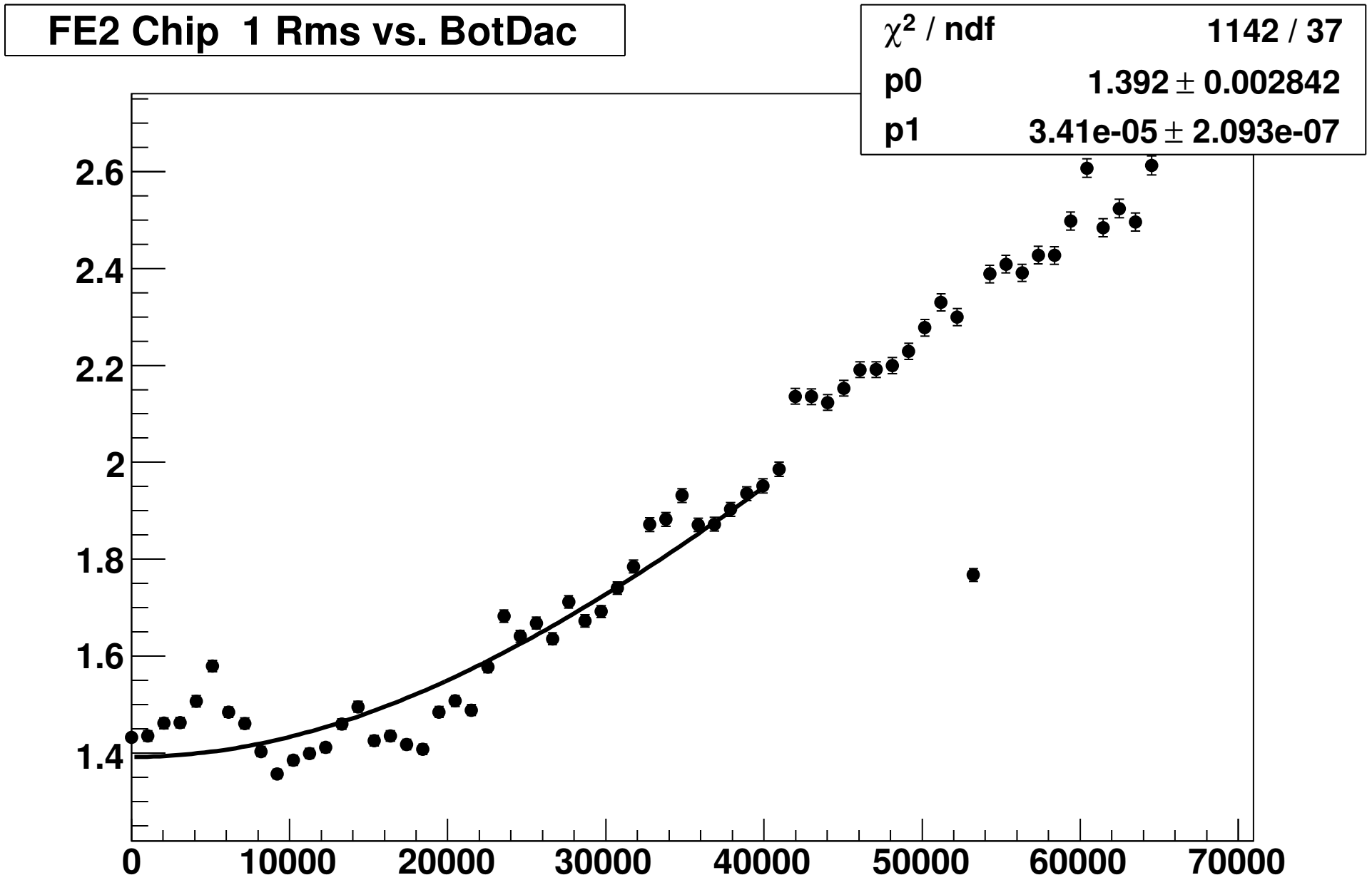
FE2 Chip 1 Rms vs. BotDac
χ² / ndf 1142 / 37
p0 1.392 ± 0.002842
p1 3.41e-05 ± 2.093e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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60000
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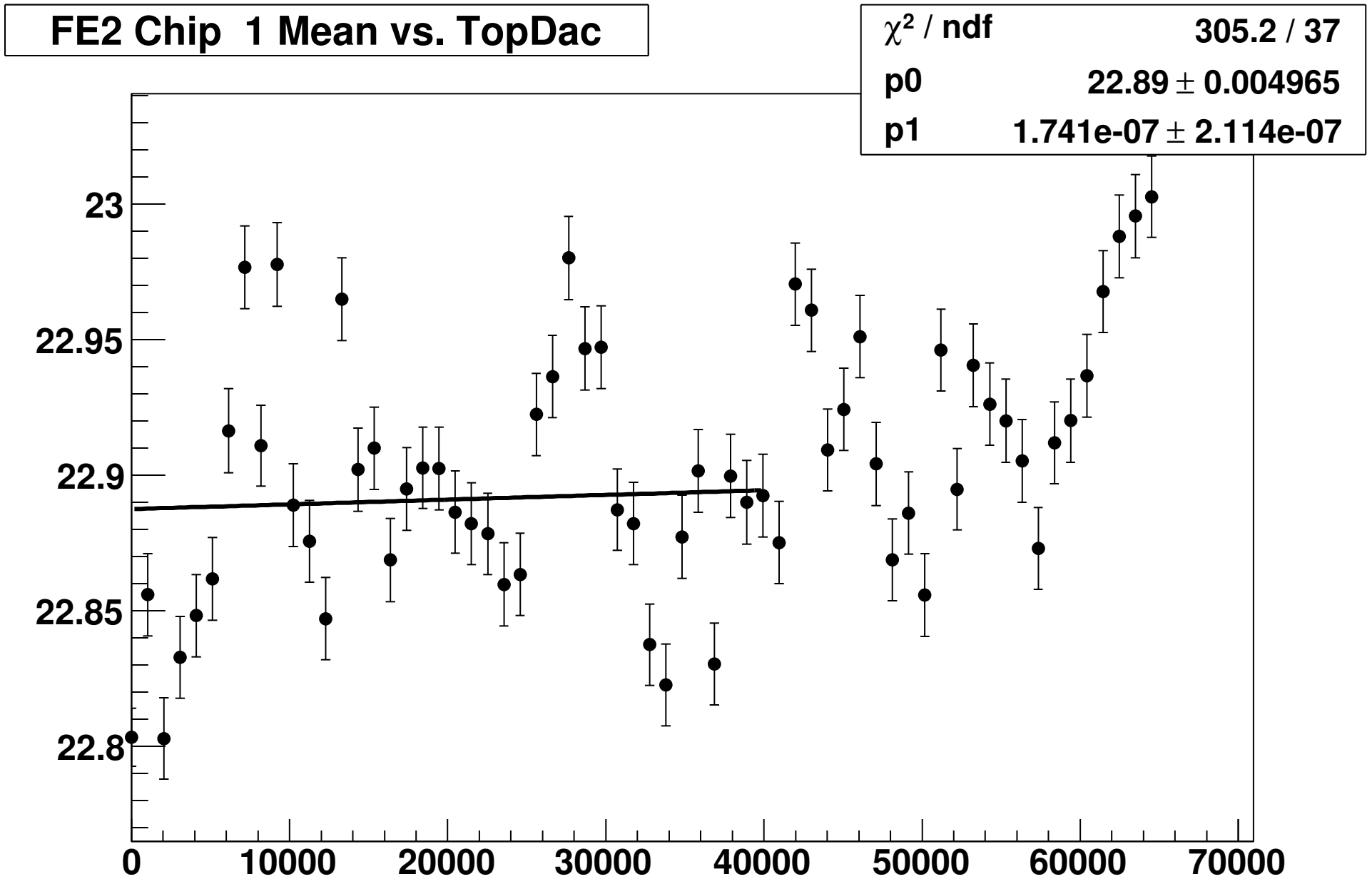
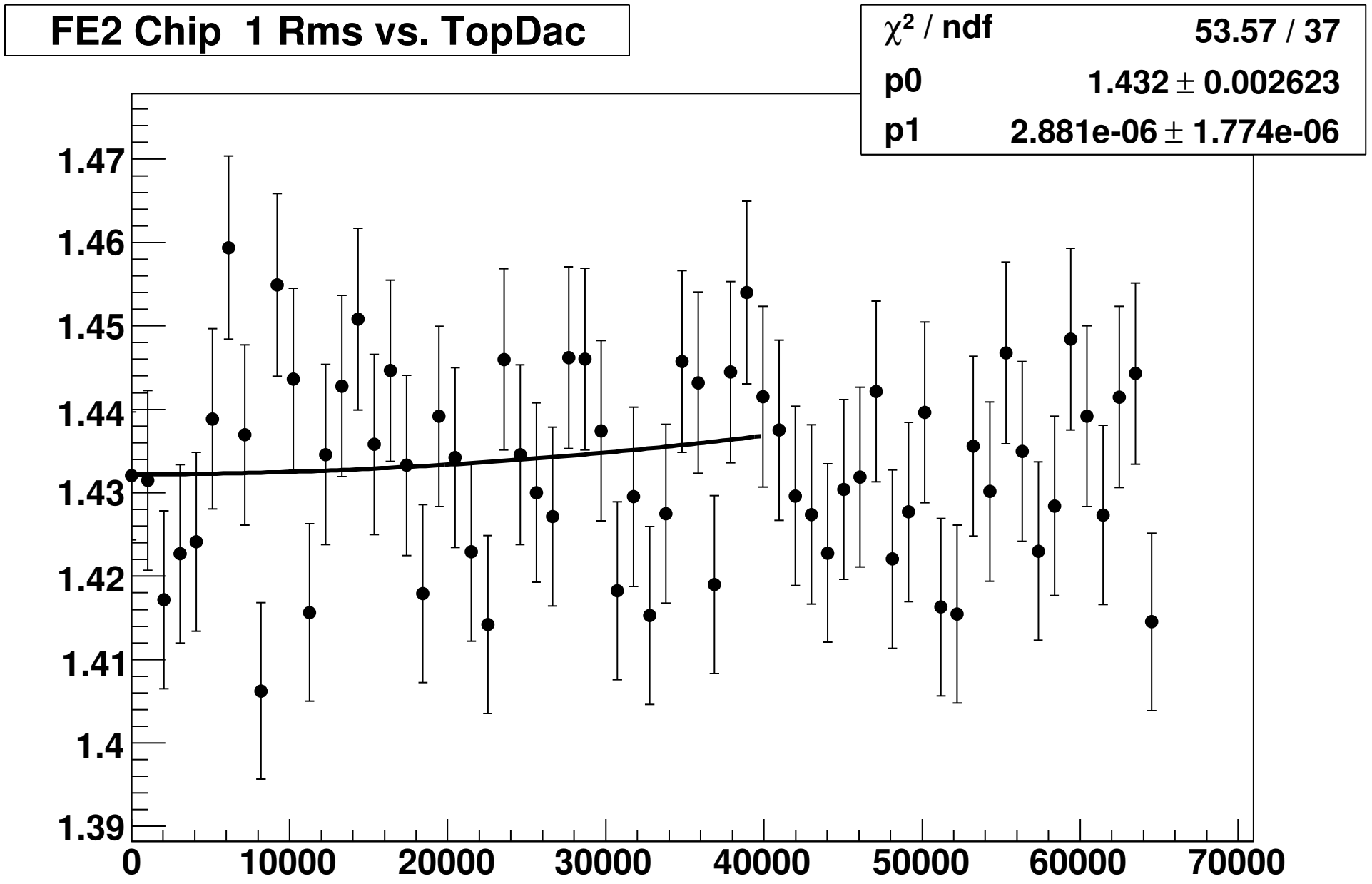

FE2 Chip 1 Mean vs. TopDac
χ² / ndf 305.2 / 37
p0 22.89 ± 0.004965
p1 1.741e-07 ± 2.114e-07
23
22.95
22.9
22.85
22.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 53.57 / 37
p0 1.432 ± 0.002623
p1 2.881e-06 ± 1.774e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
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50000
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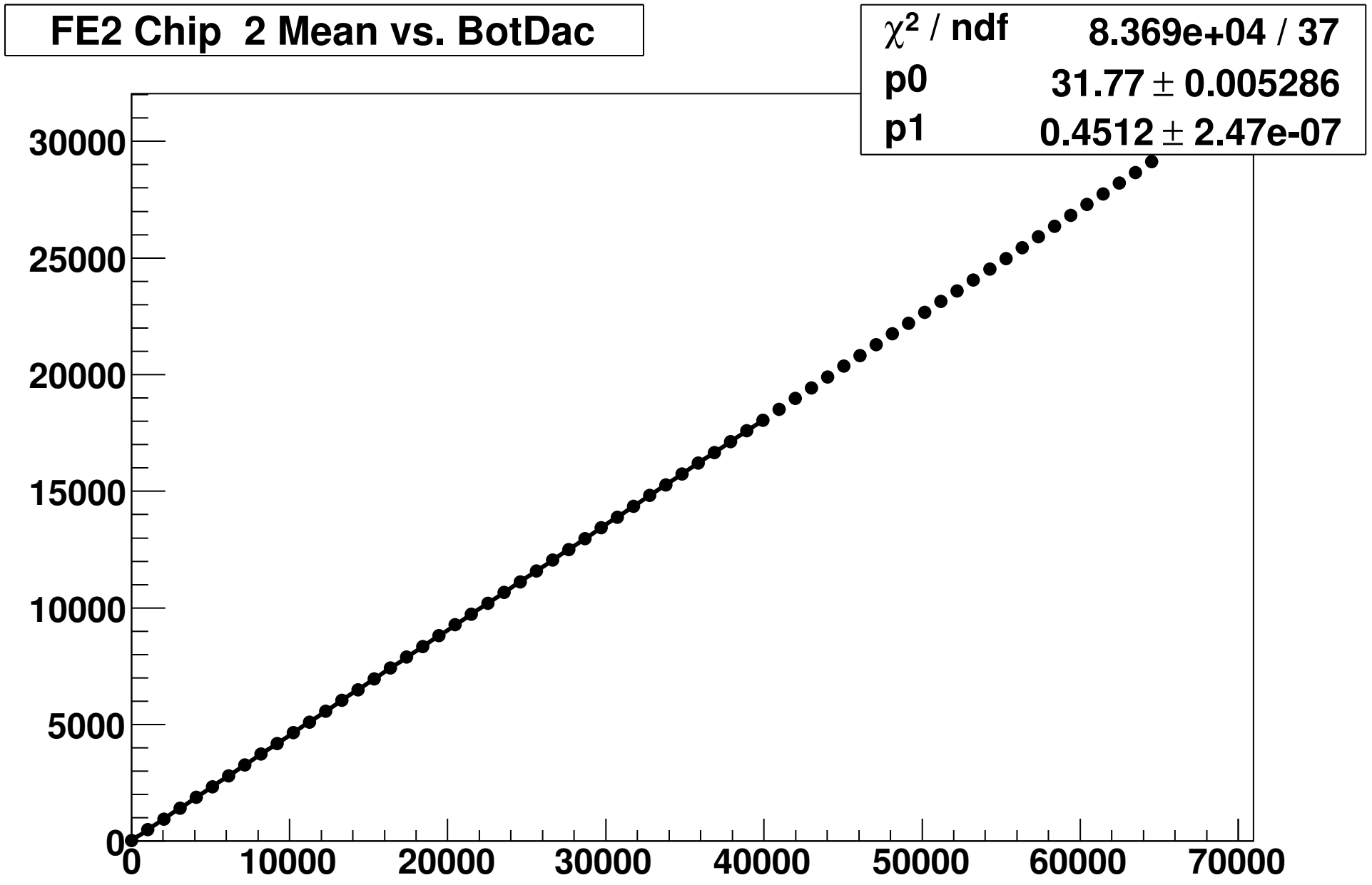
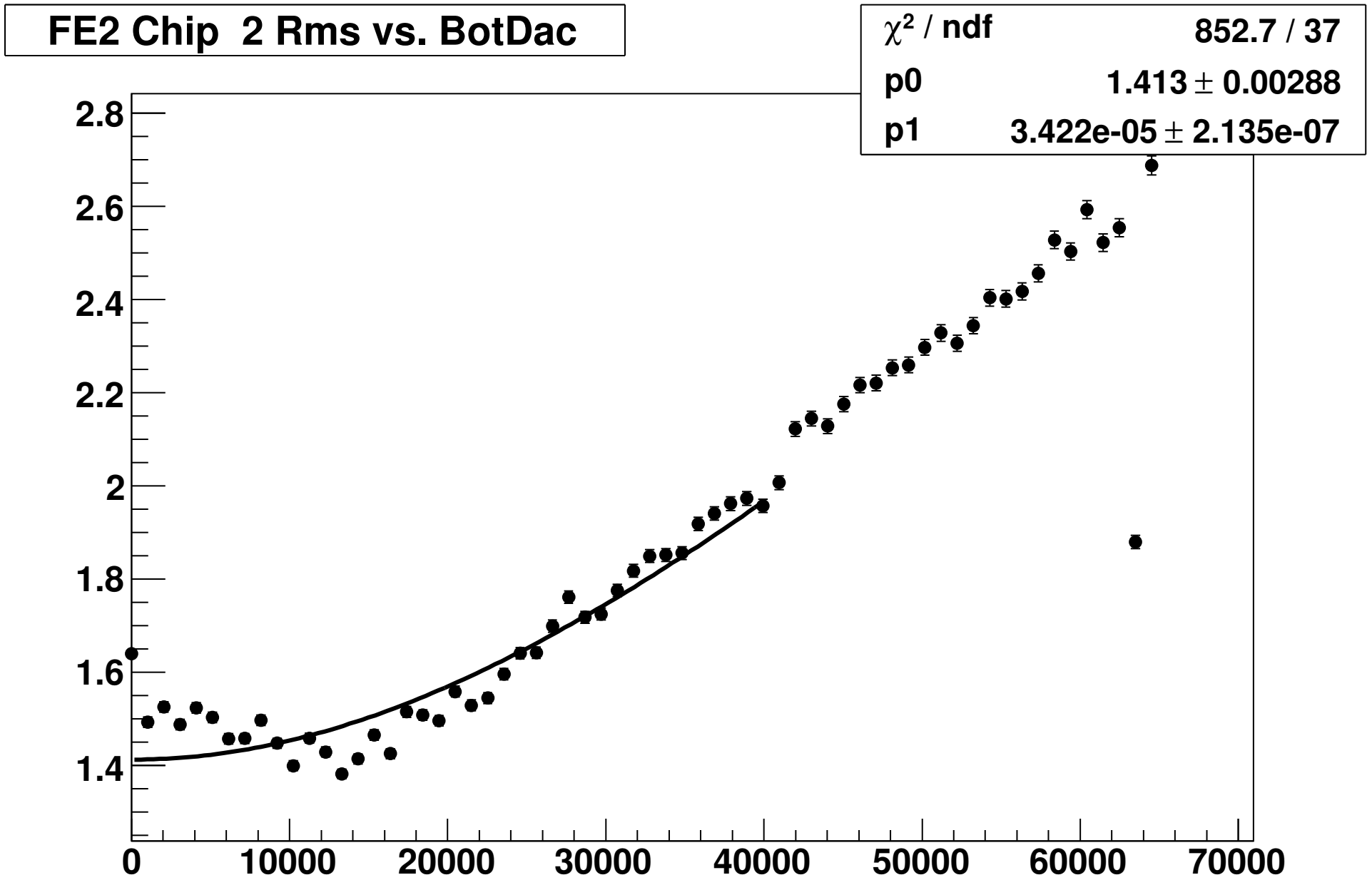

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 8.369e+04 / 37
p0 31.77 ± 0.005286
p1 0.4512 ± 2.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 852.7 / 37
p0 1.413 ± 0.00288
p1 3.422e-05 ± 2.135e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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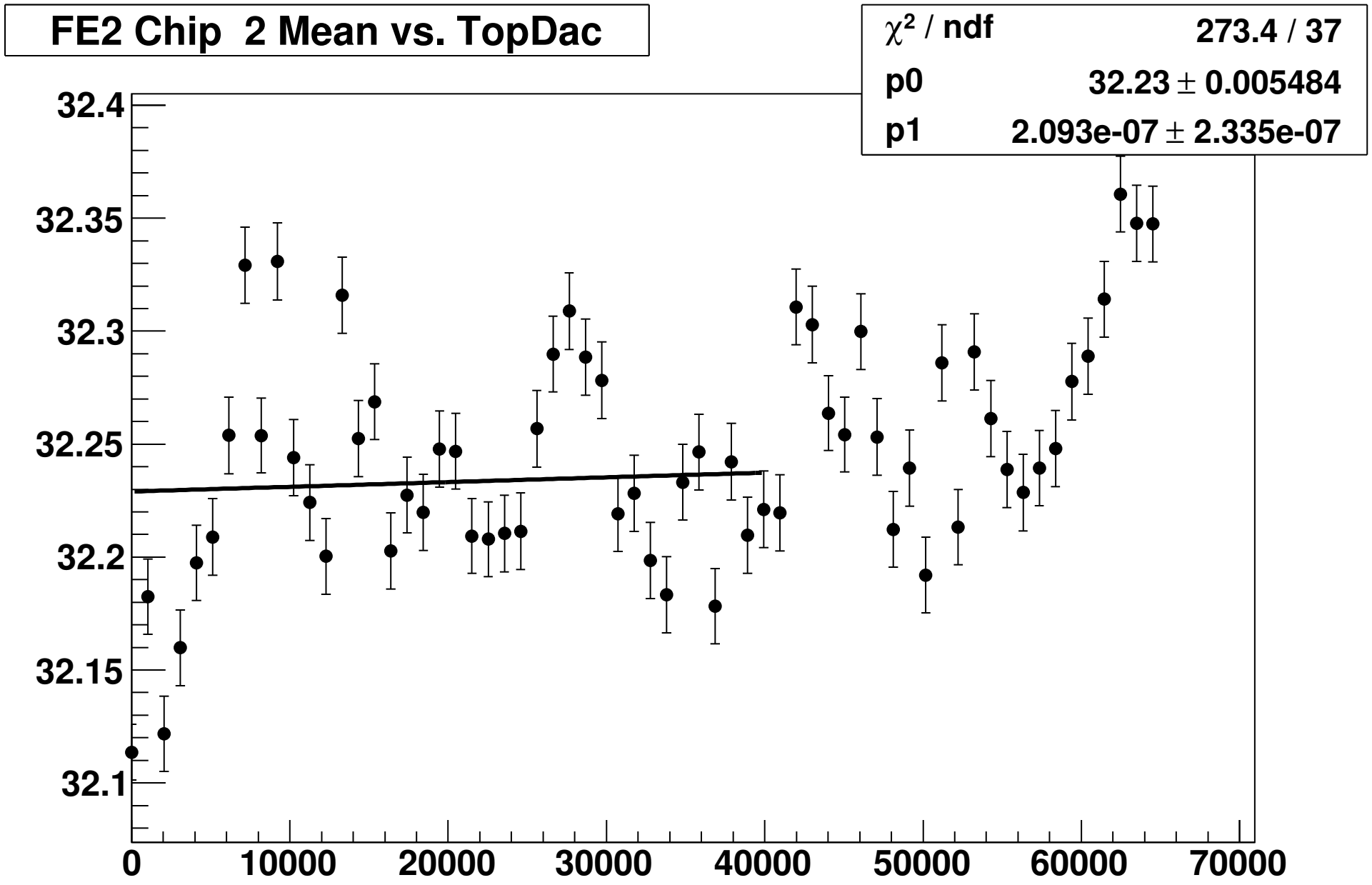
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 273.4 / 37
p0 32.23 ± 0.005484
p1 2.093e-07 ± 2.335e-07
32.4
32.35
32.3
32.25
32.2
32.15
32.1
0
10000
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30000
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50000
60000
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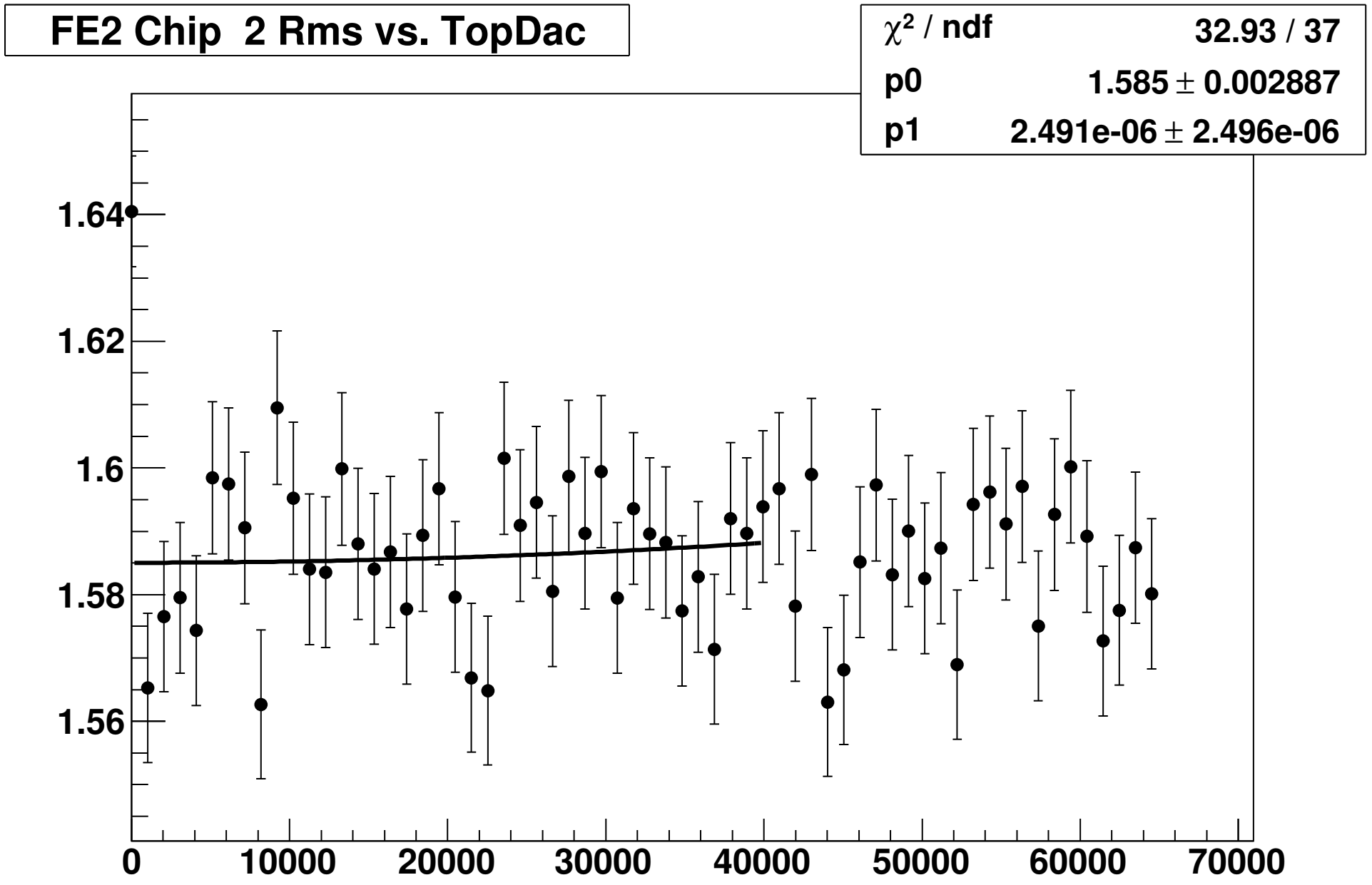
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 32.93 / 37
p0 1.585 ± 0.002887
p1 2.491e-06 ± 2.496e-06
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
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50000
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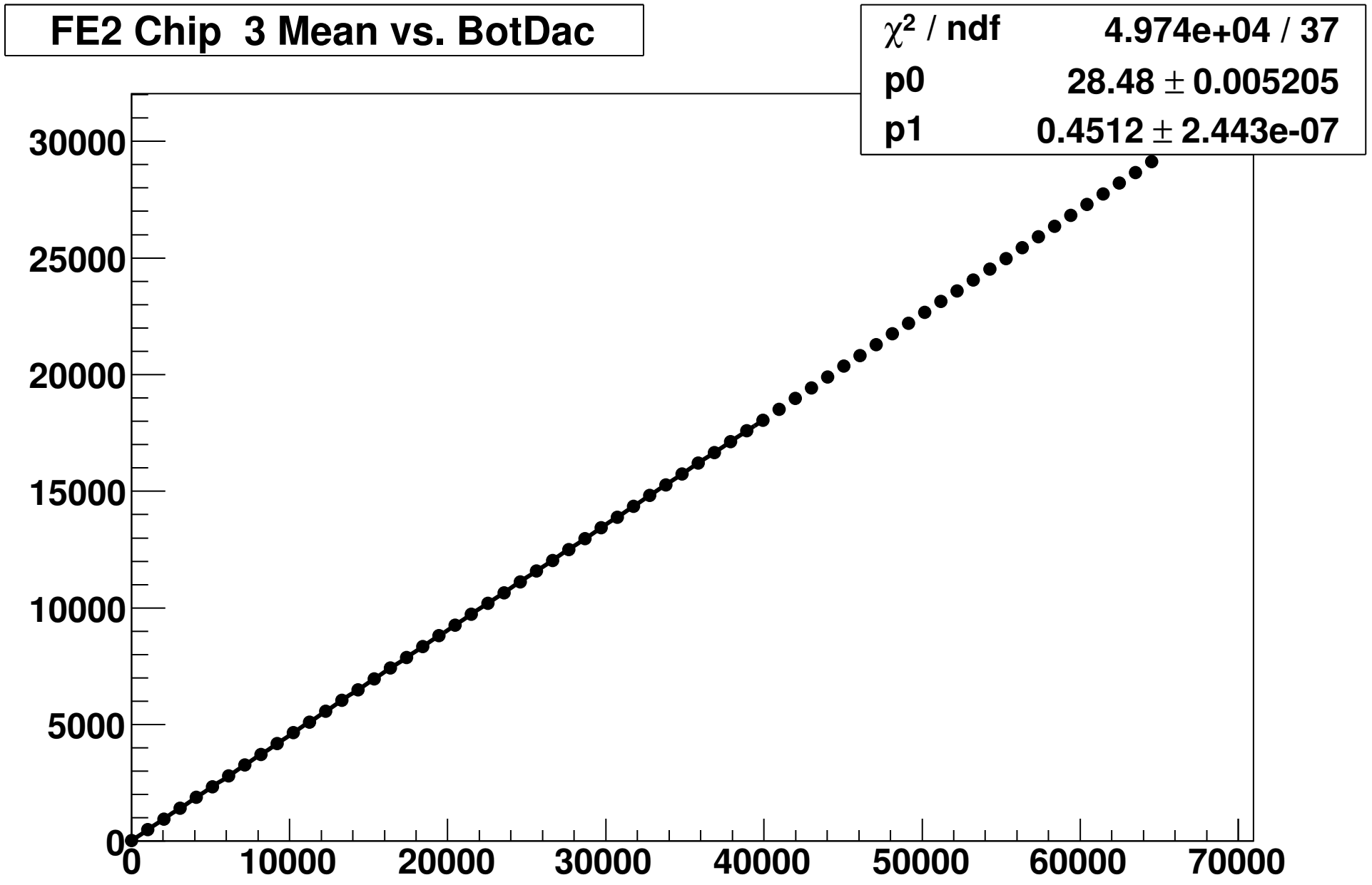
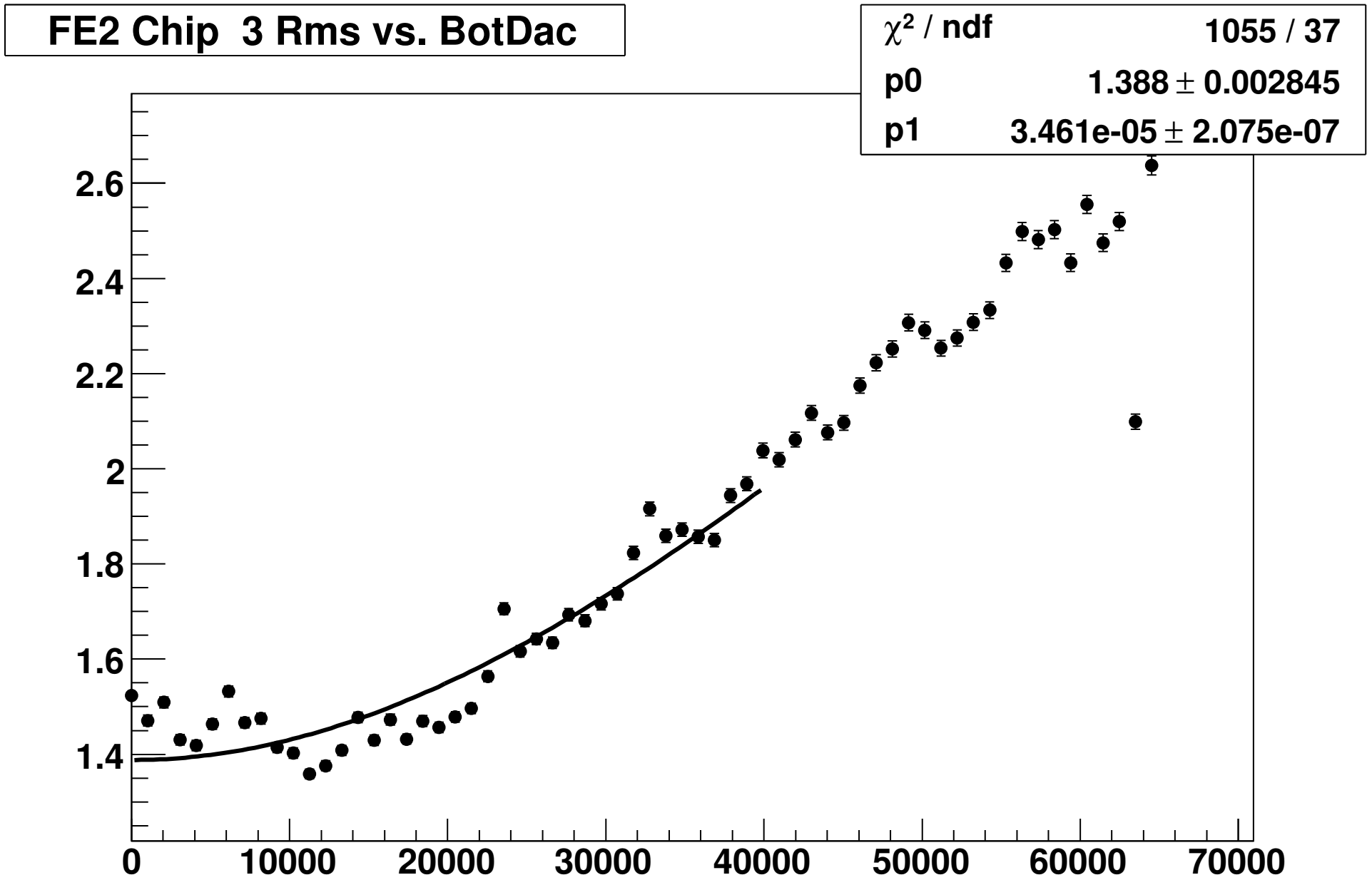
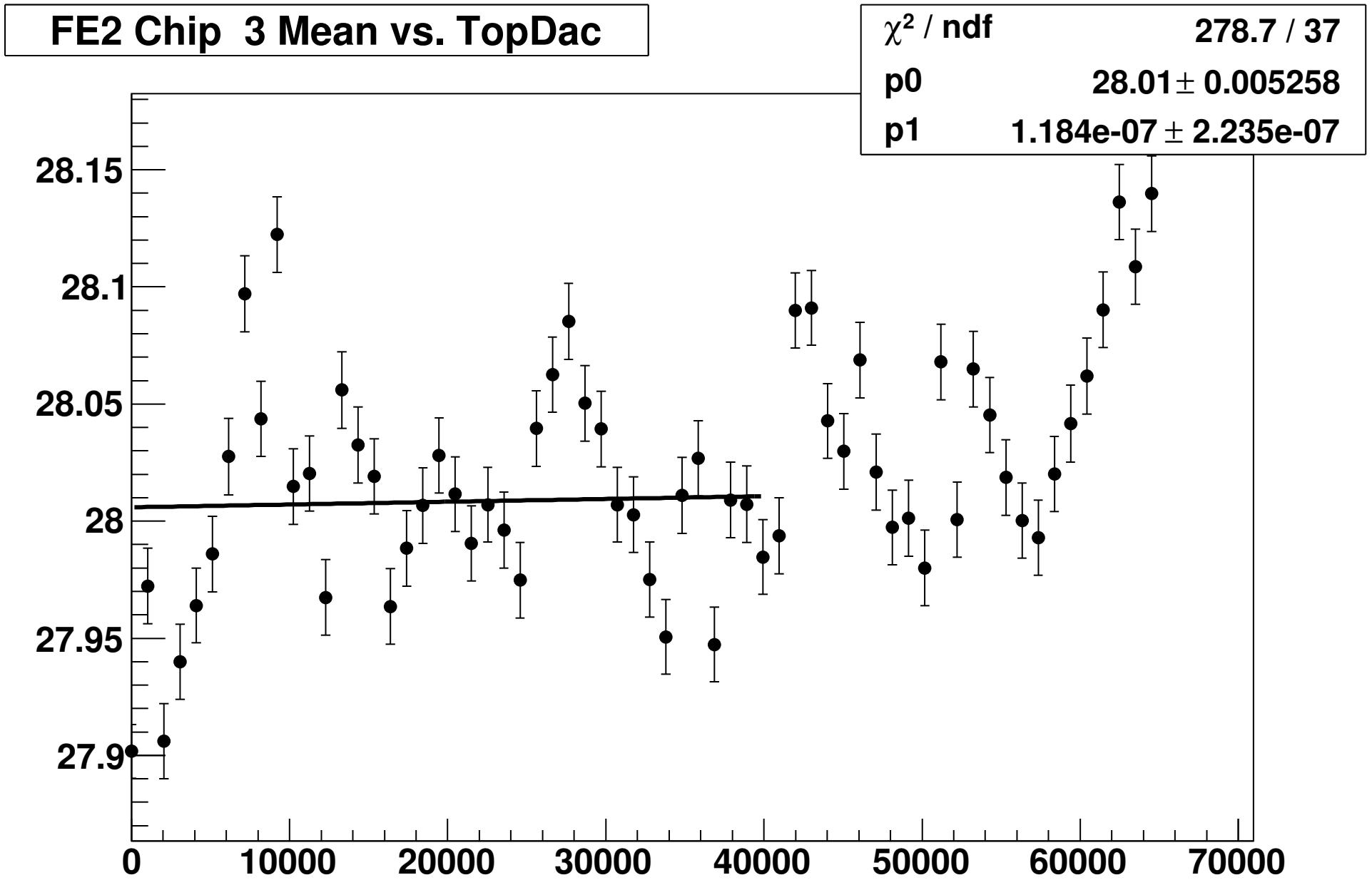
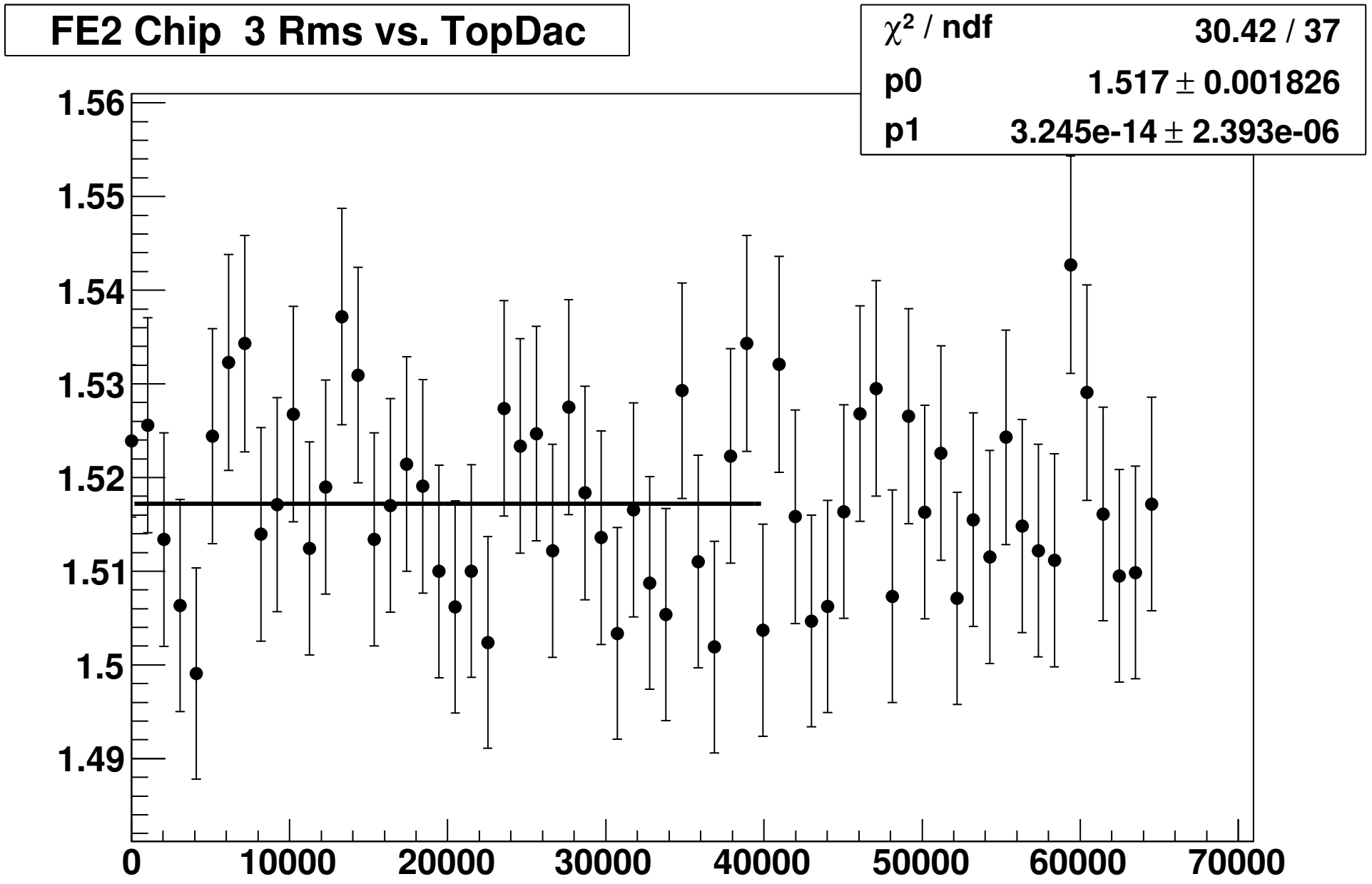
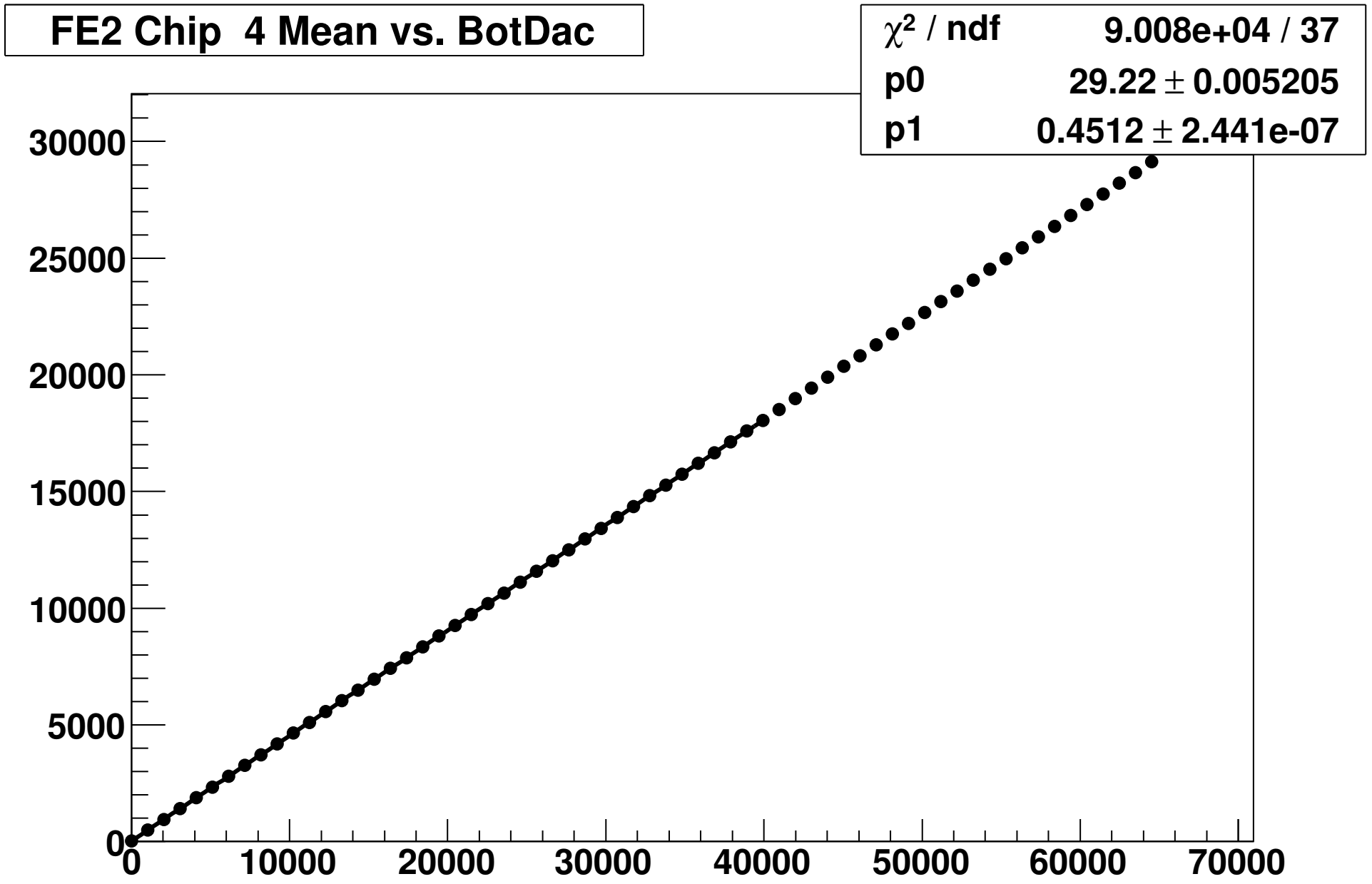
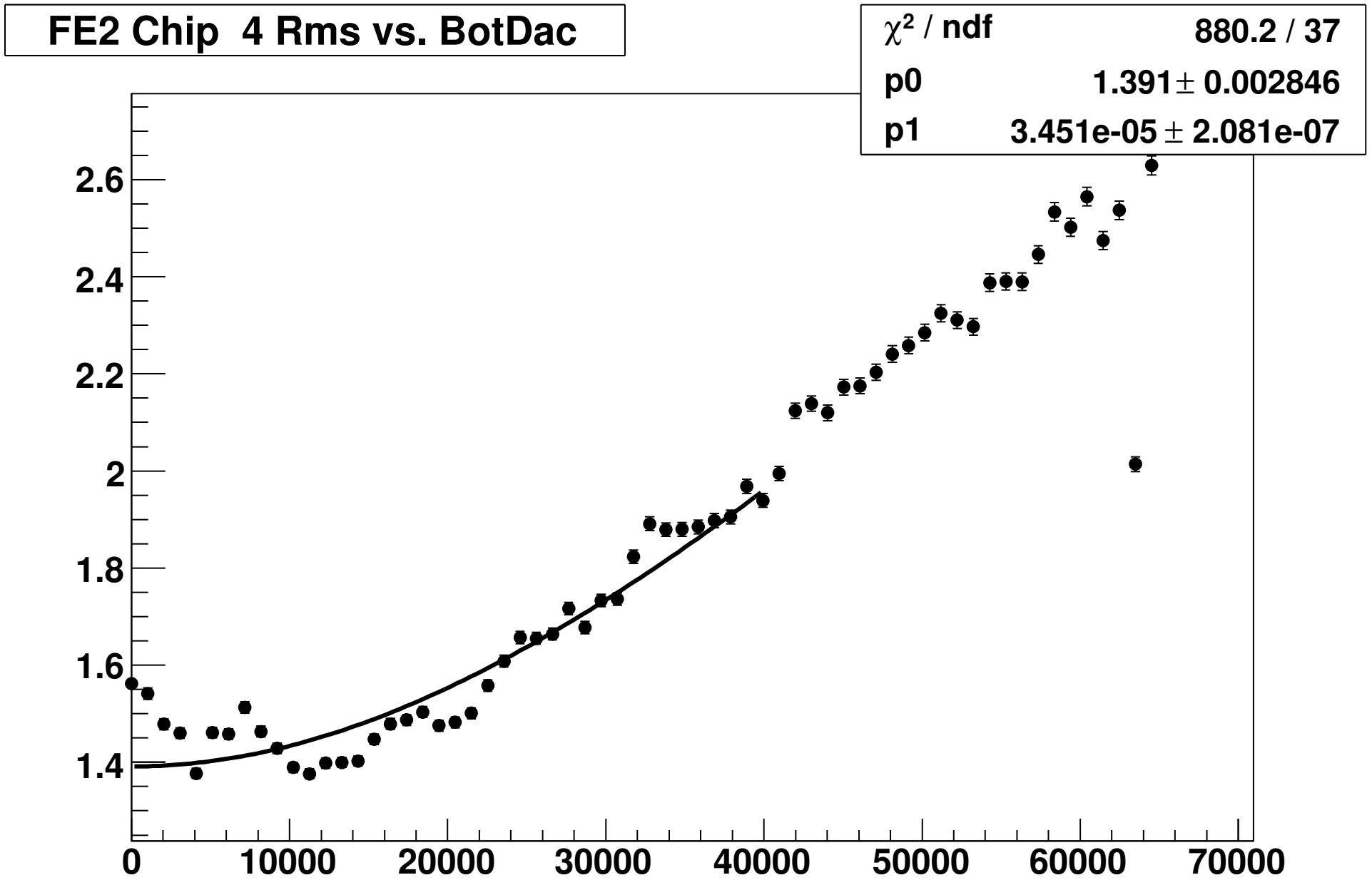

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 4.974e+04 / 37
p0 28.48 ± 0.005205
p1 0.4512 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 1055 / 37
p0 1.388 ± 0.002845
p1 3.461e-05 ± 2.075e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 278.7 / 37
p0 28.01 ± 0.005258
p1 1.184e-07 ± 2.235e-07
28.15
28.1
28.05
28
27.95
27.9
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 30.42 / 37
p0 1.517 ± 0.001826
p1 3.245e-14 ± 2.393e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 9.008e+04 / 37
p0 29.22 ± 0.005205
p1 0.4512 ± 2.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 880.2 / 37
p0 1.391 ± 0.002846
p1 3.451e-05 ± 2.081e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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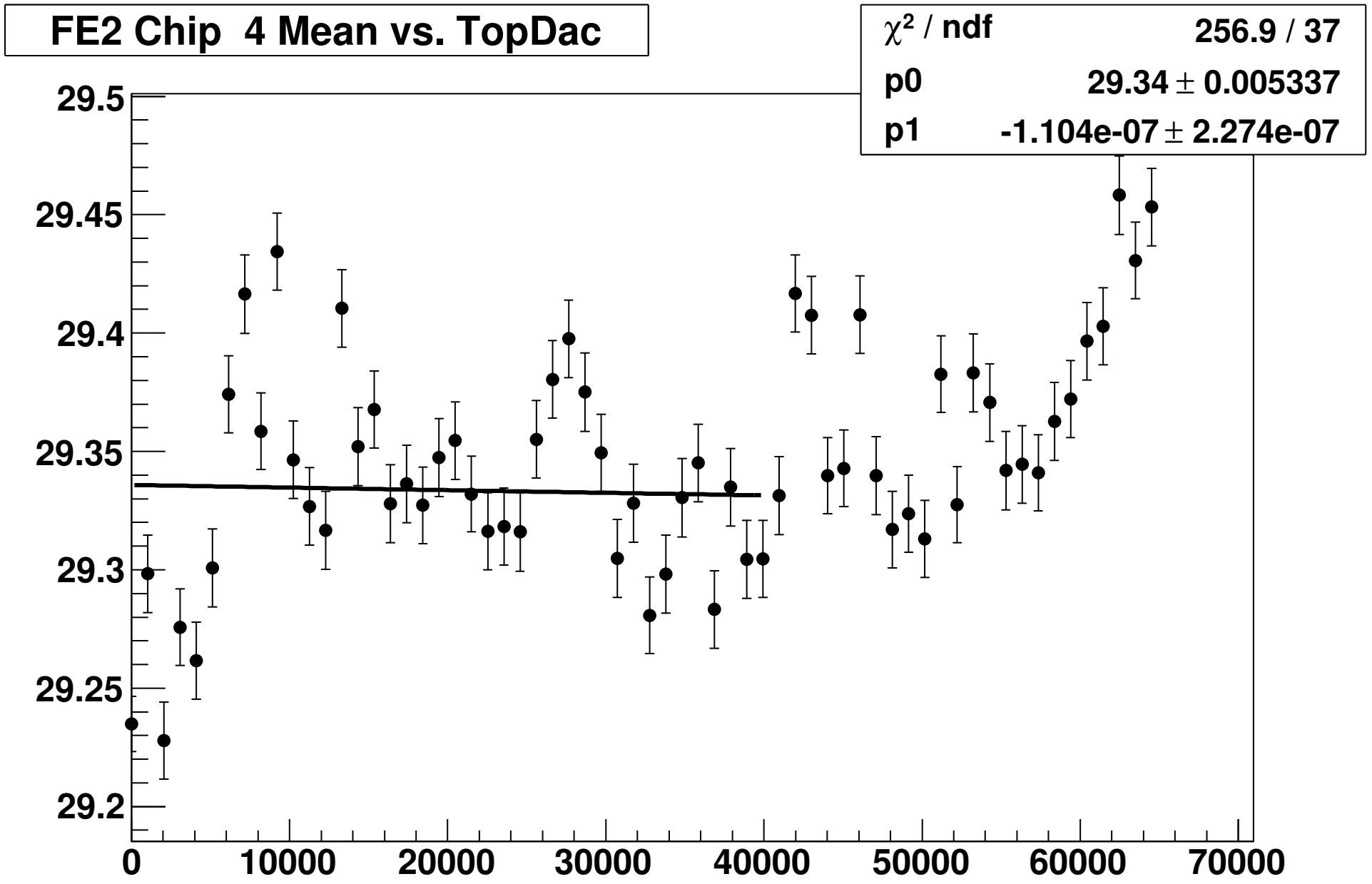
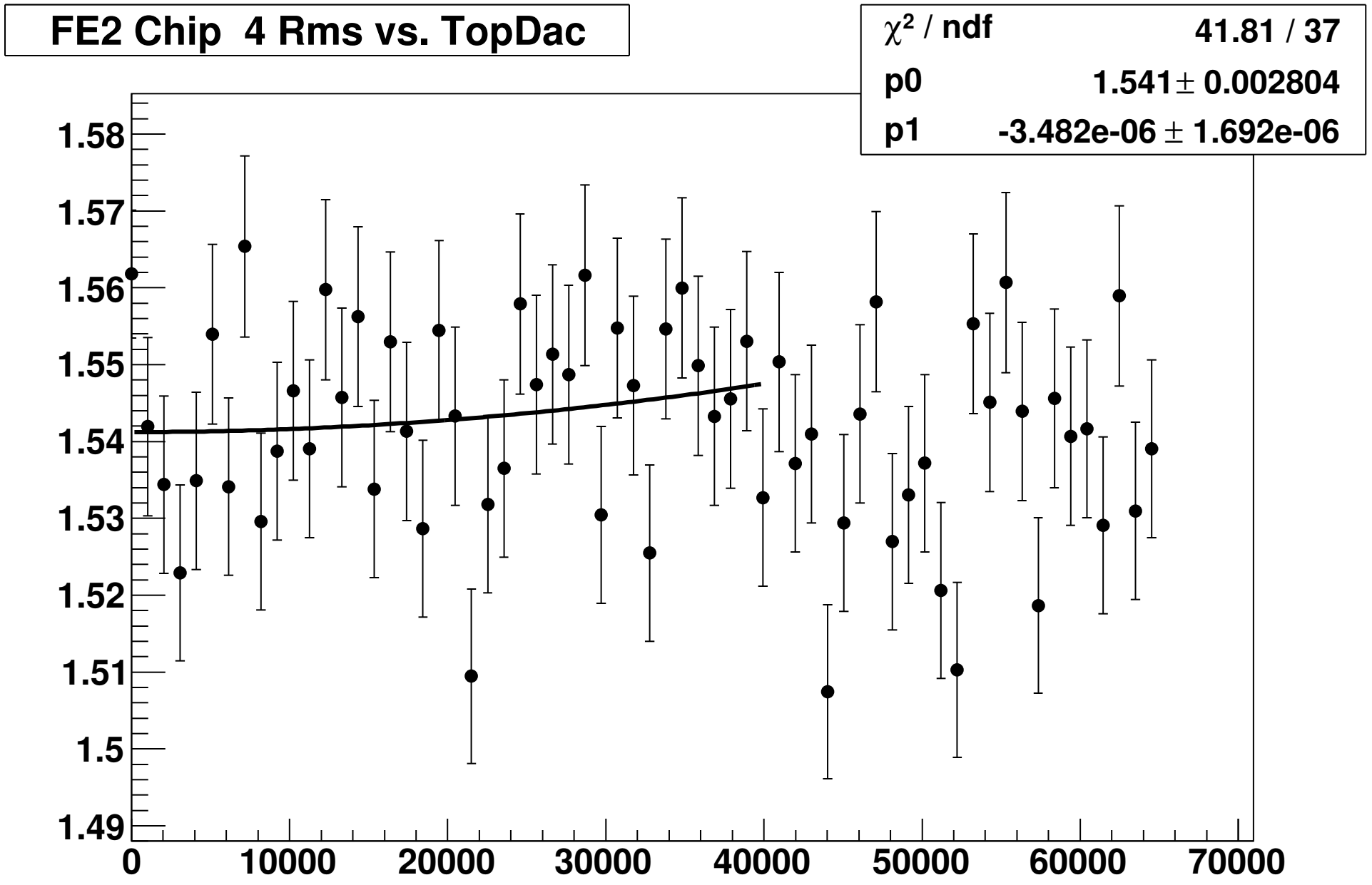
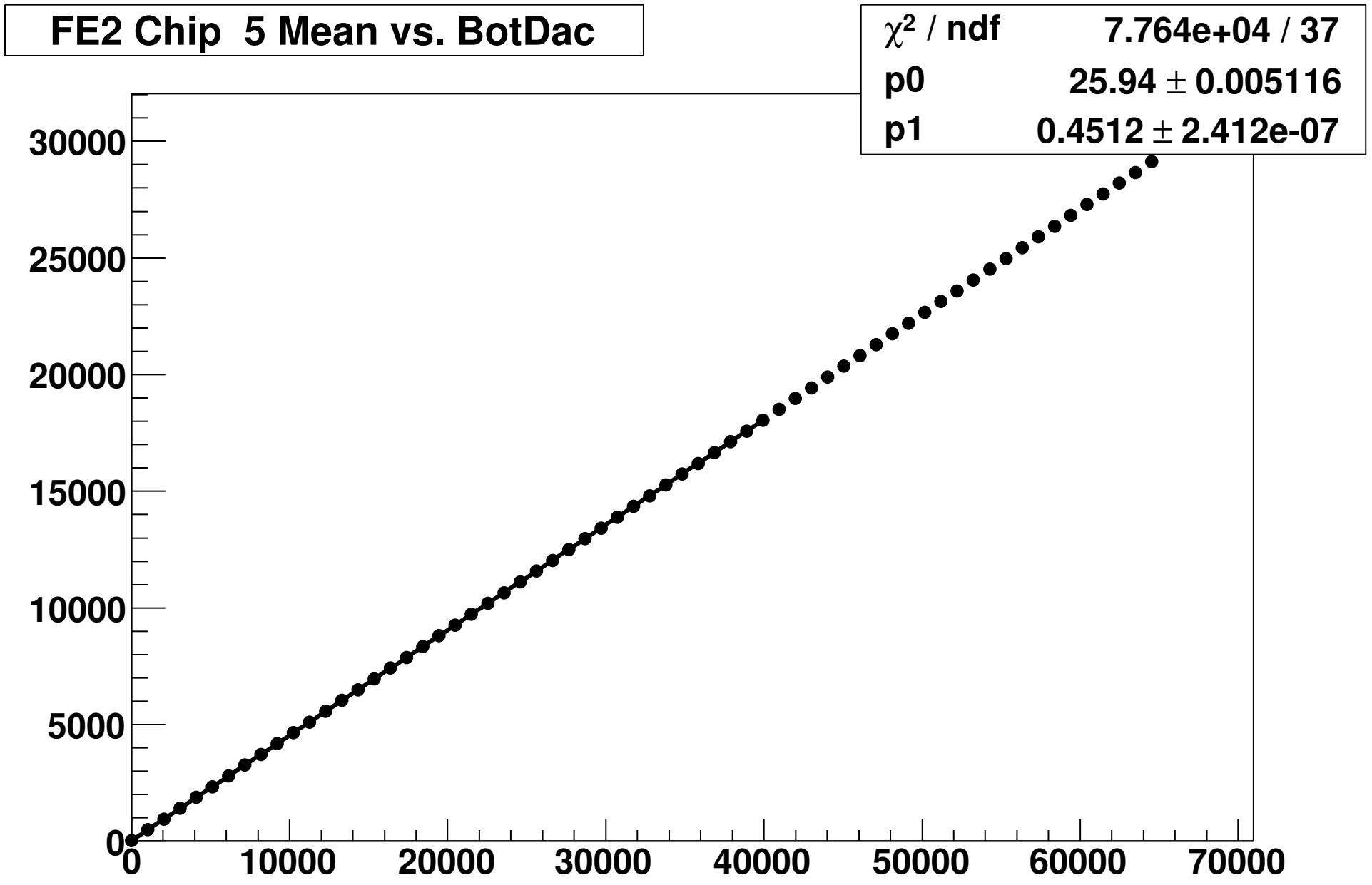

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 256.9 / 37
p0 29.34 ± 0.005337
p1 -1.104e-07 ± 2.274e-07
29.5
29.45
29.4
29.35
29.3
29.25
29.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 41.81 / 37
p0 1.541 ± 0.002804
p1 -3.482e-06 ± 1.692e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 7.764e+04 / 37
p0 25.94 ± 0.005116
p1 0.4512 ± 2.412e-07
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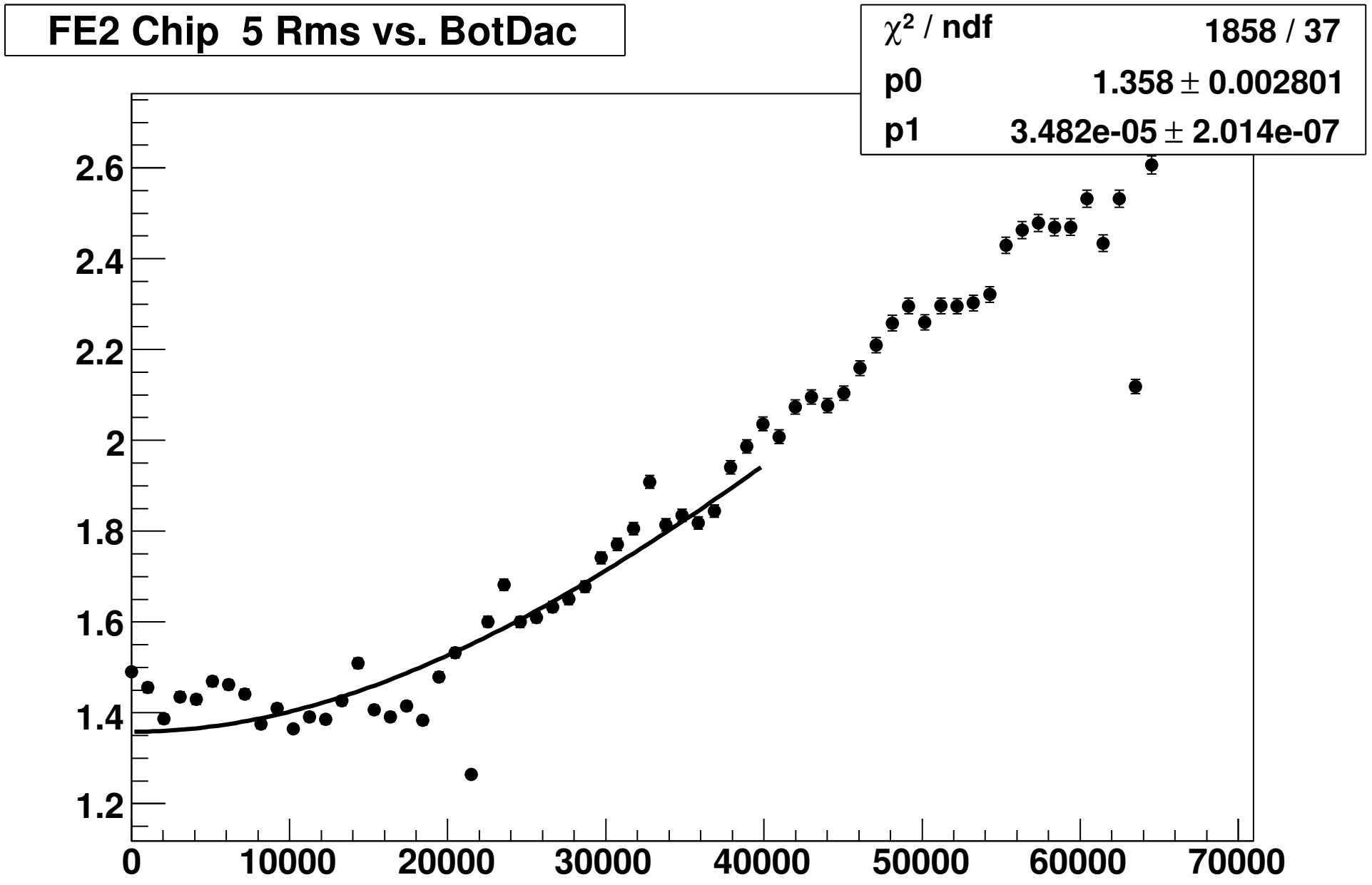
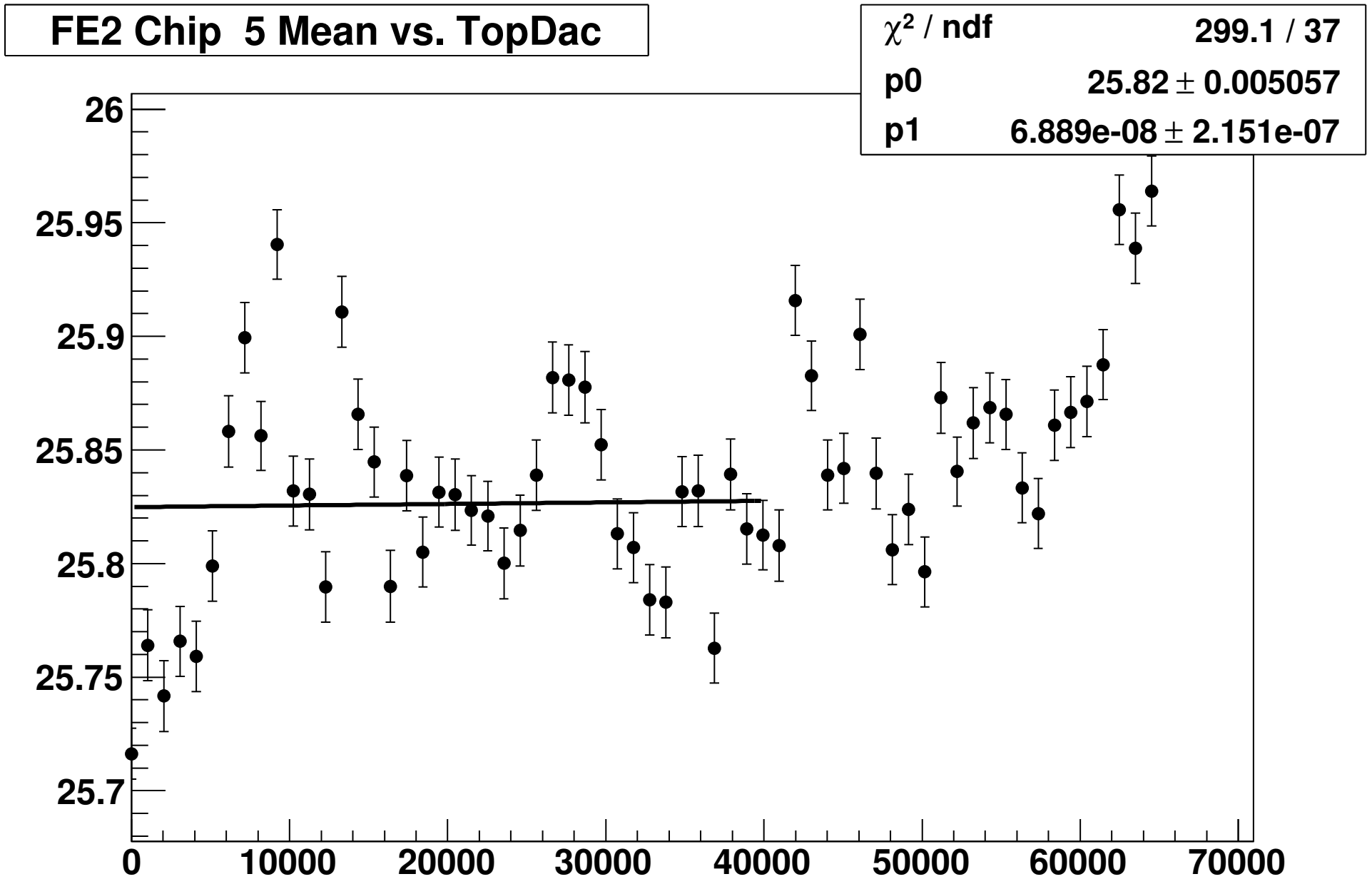
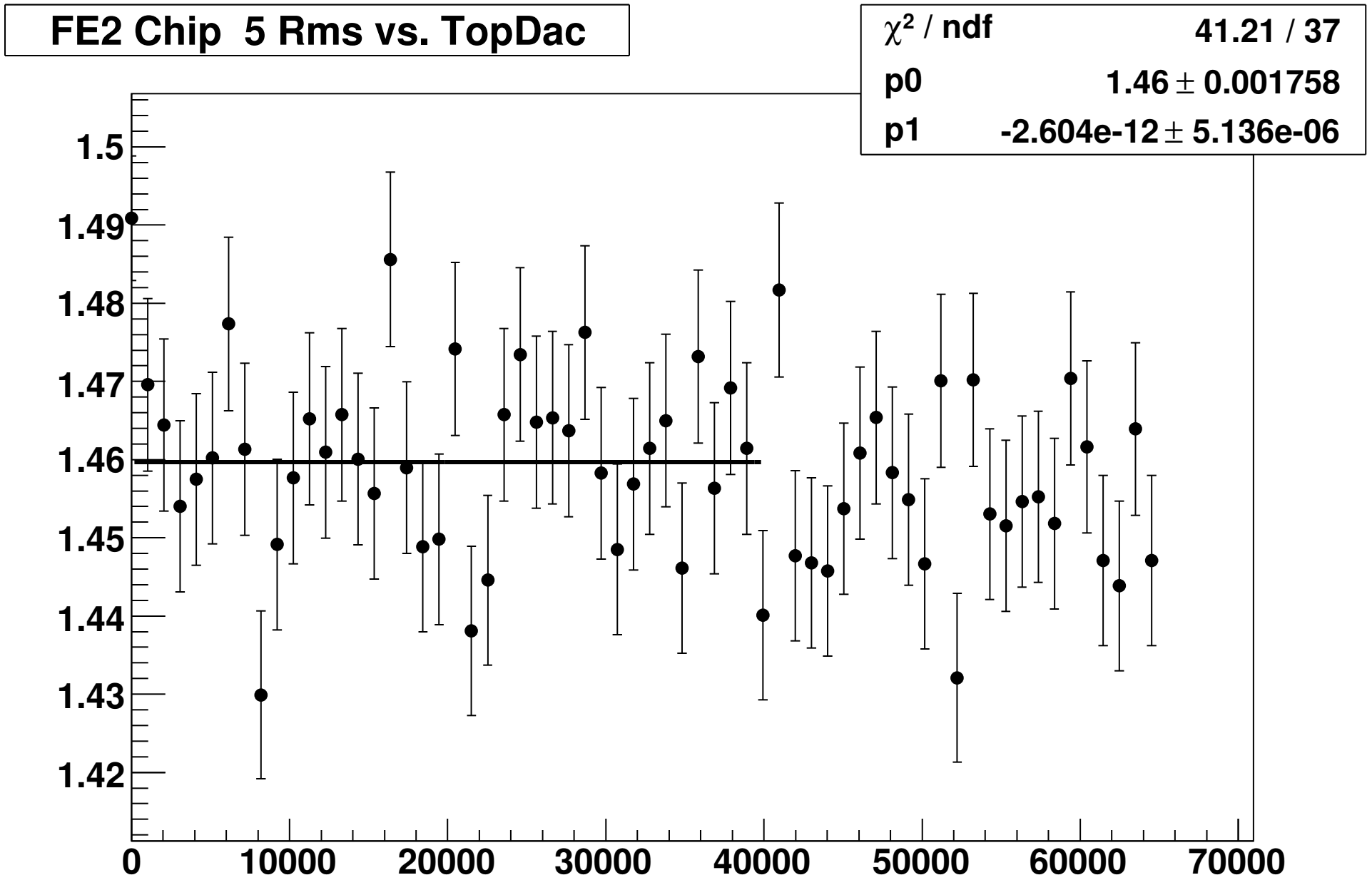
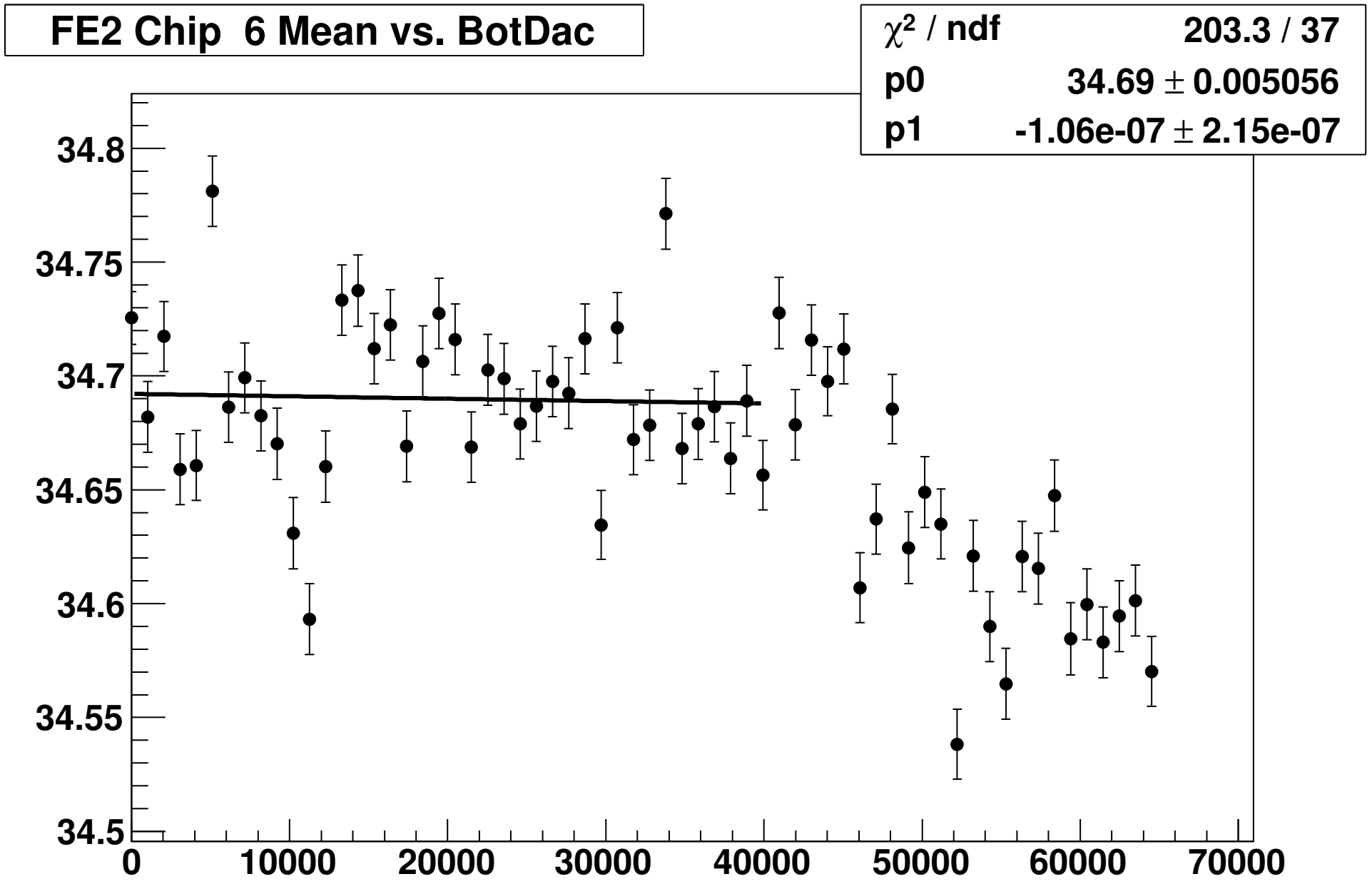
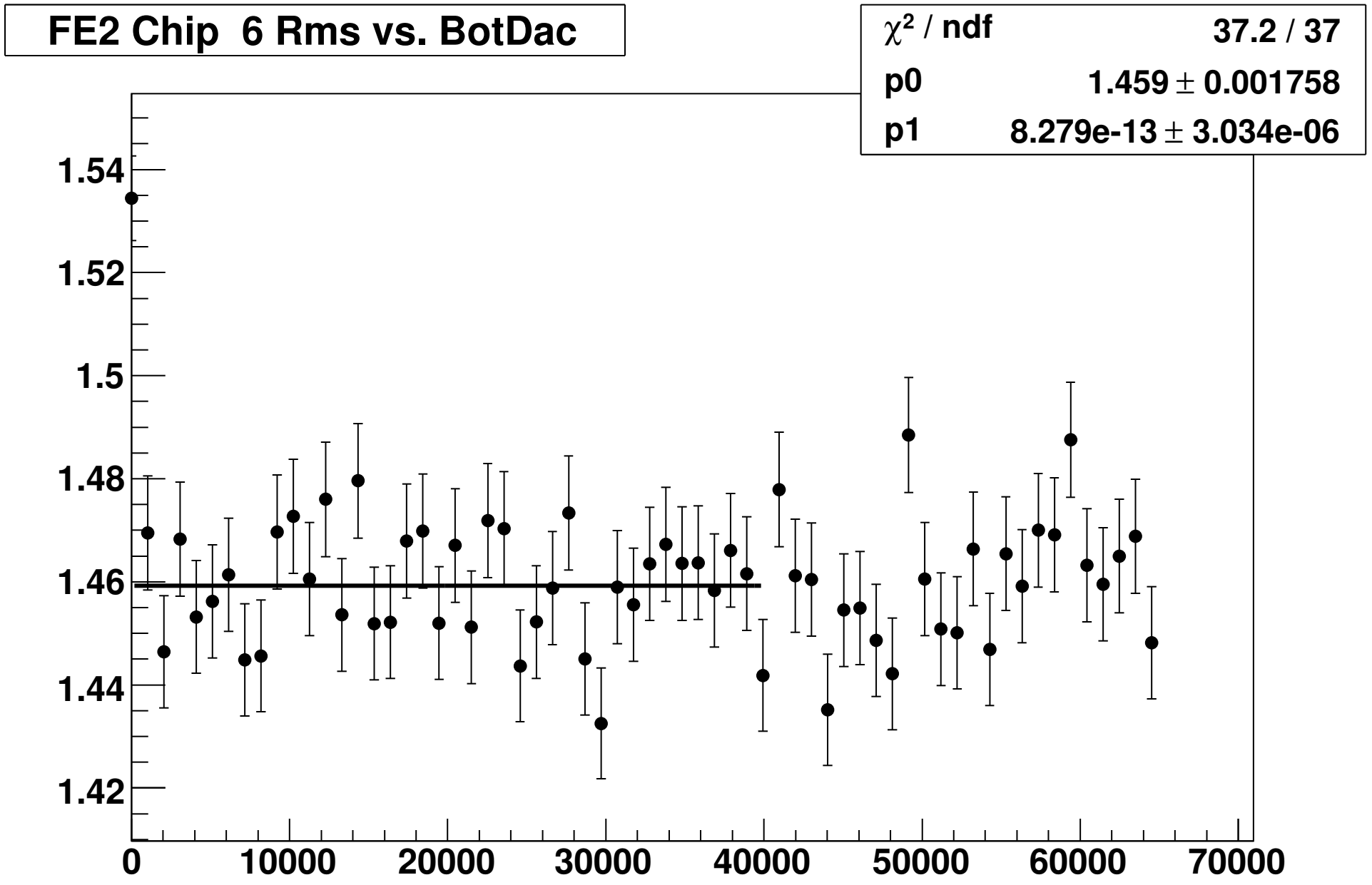
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

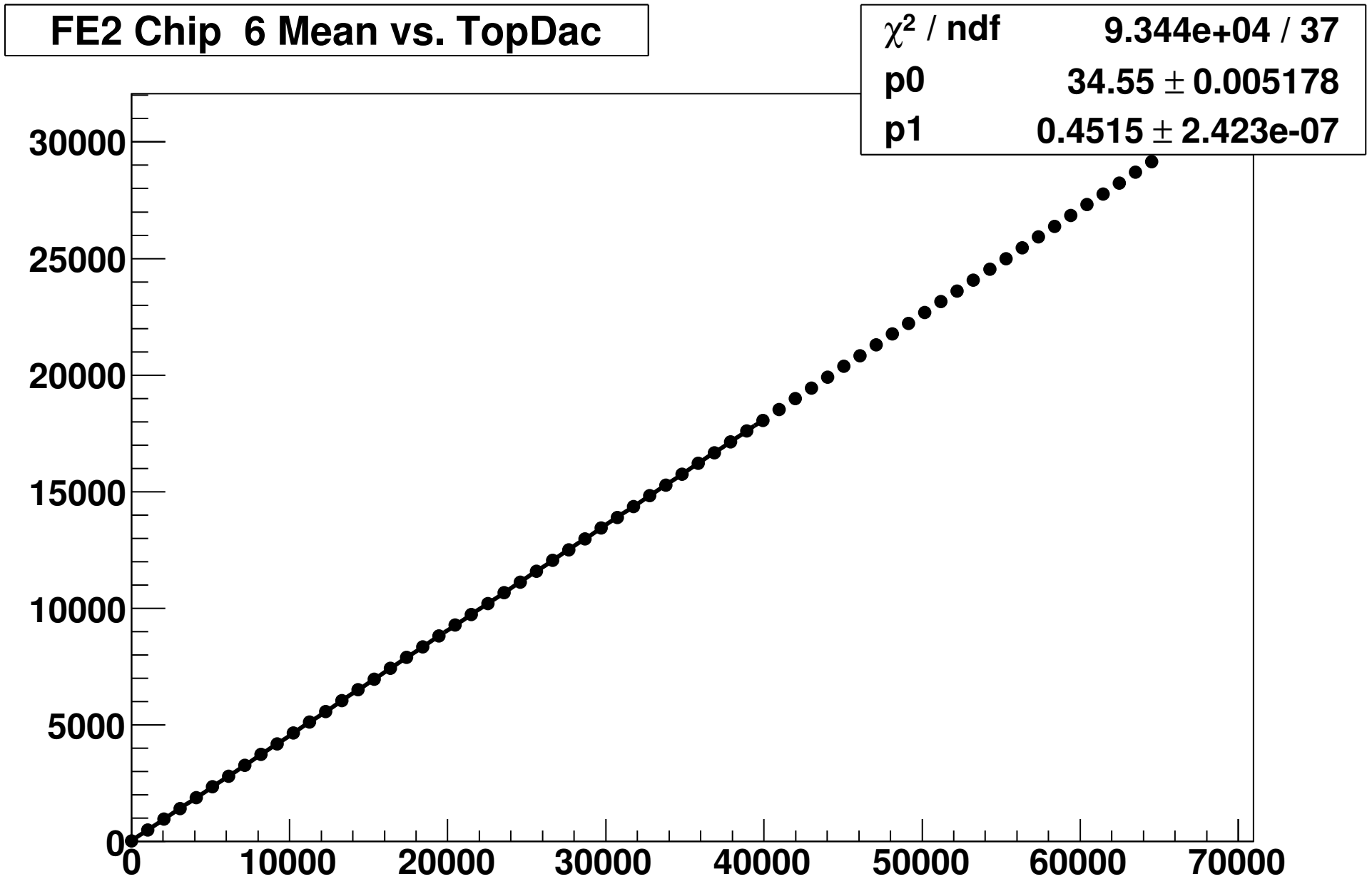

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1858 / 37
p0 1.358 ± 0.002801
p1 3.482e-05 ± 2.014e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

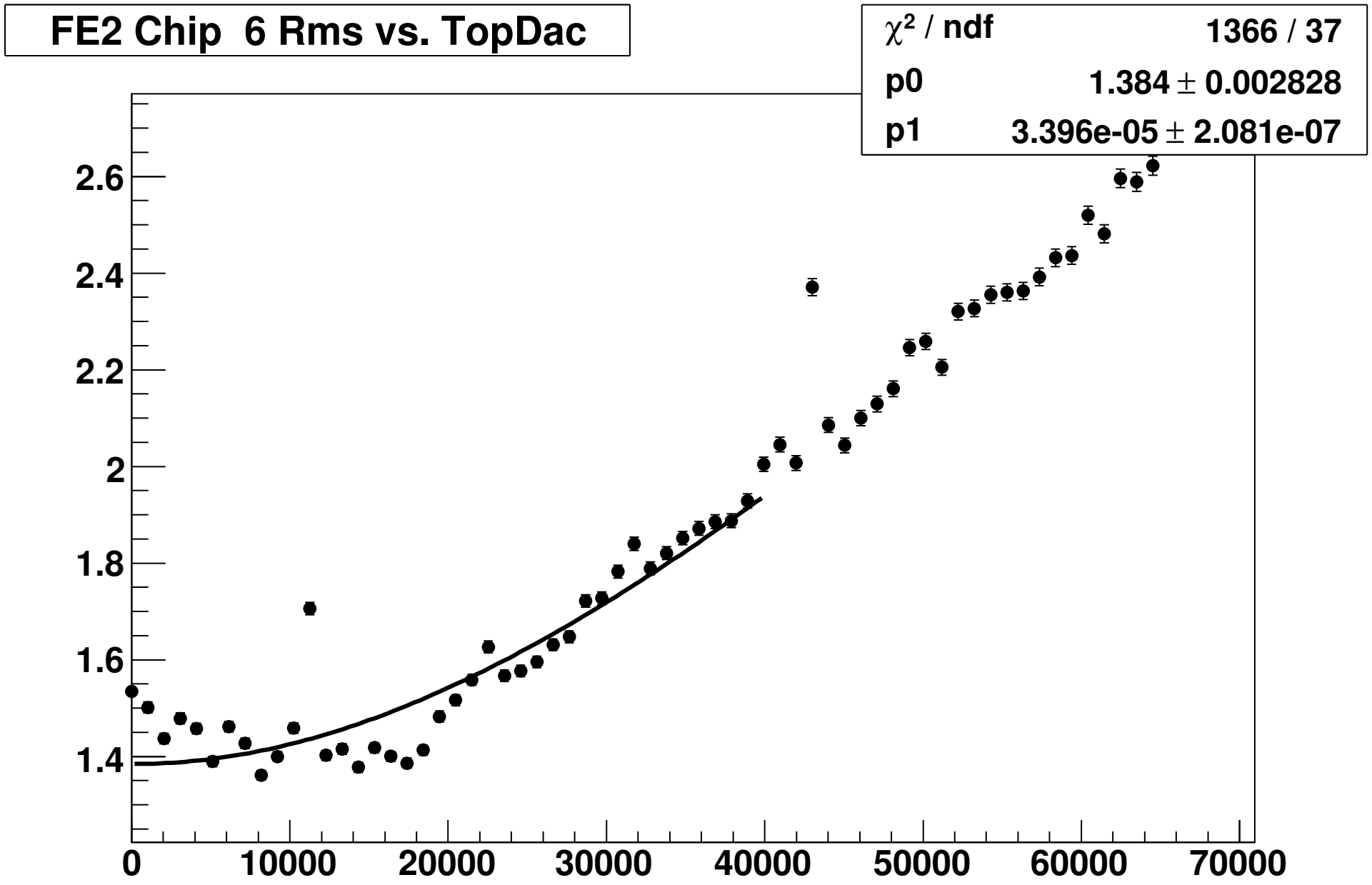

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 299.1 / 37
p0 25.82 ± 0.005057
p1 6.889e-08 ± 2.151e-07
26
25.95
25.9
25.85
25.8
25.75
25.7
0
10000
20000
30000
40000
50000
60000
70000

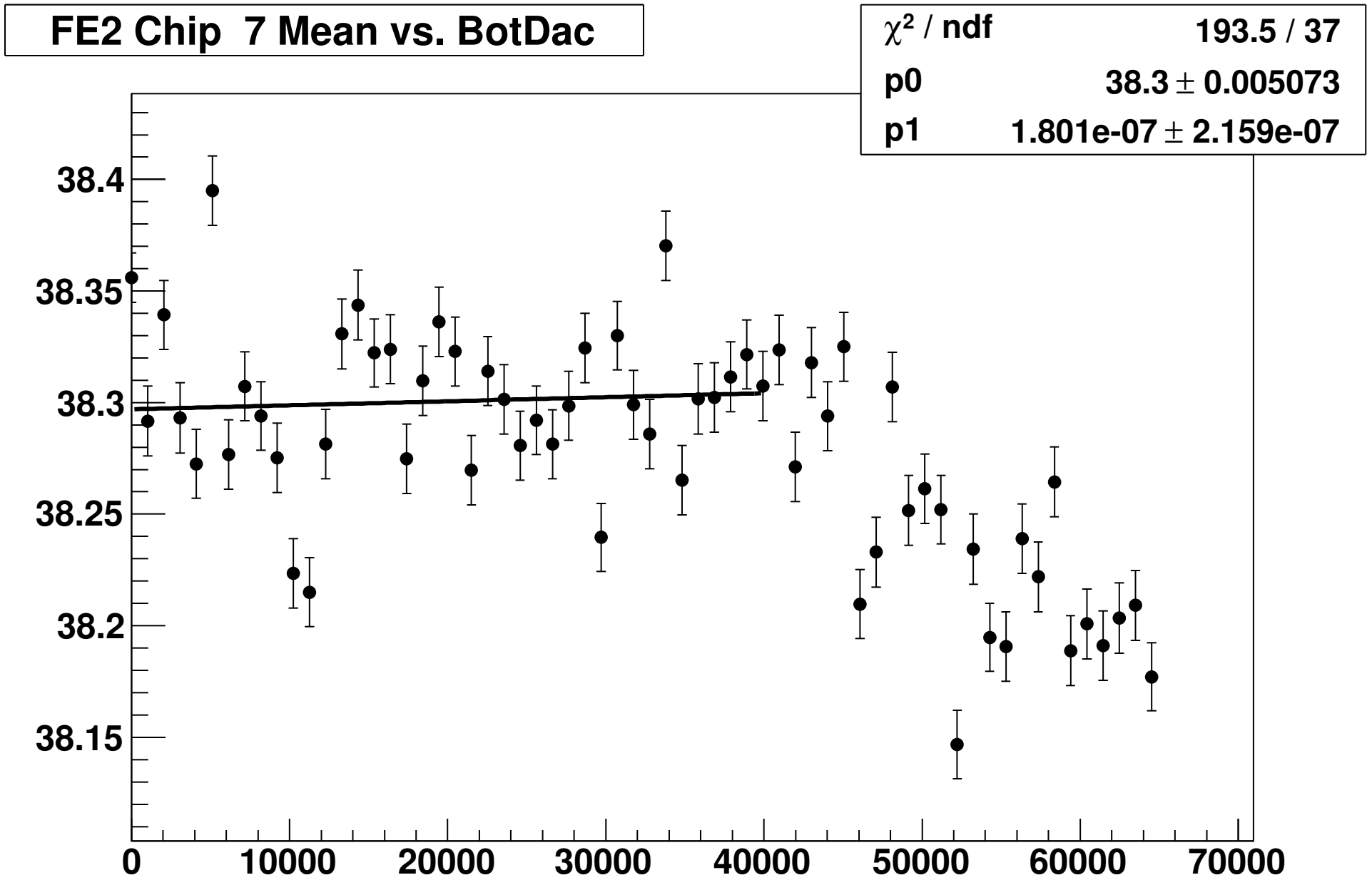

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 41.21 / 37
p0 1.46 ± 0.001758
p1 -2.604e-12 ± 5.136e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

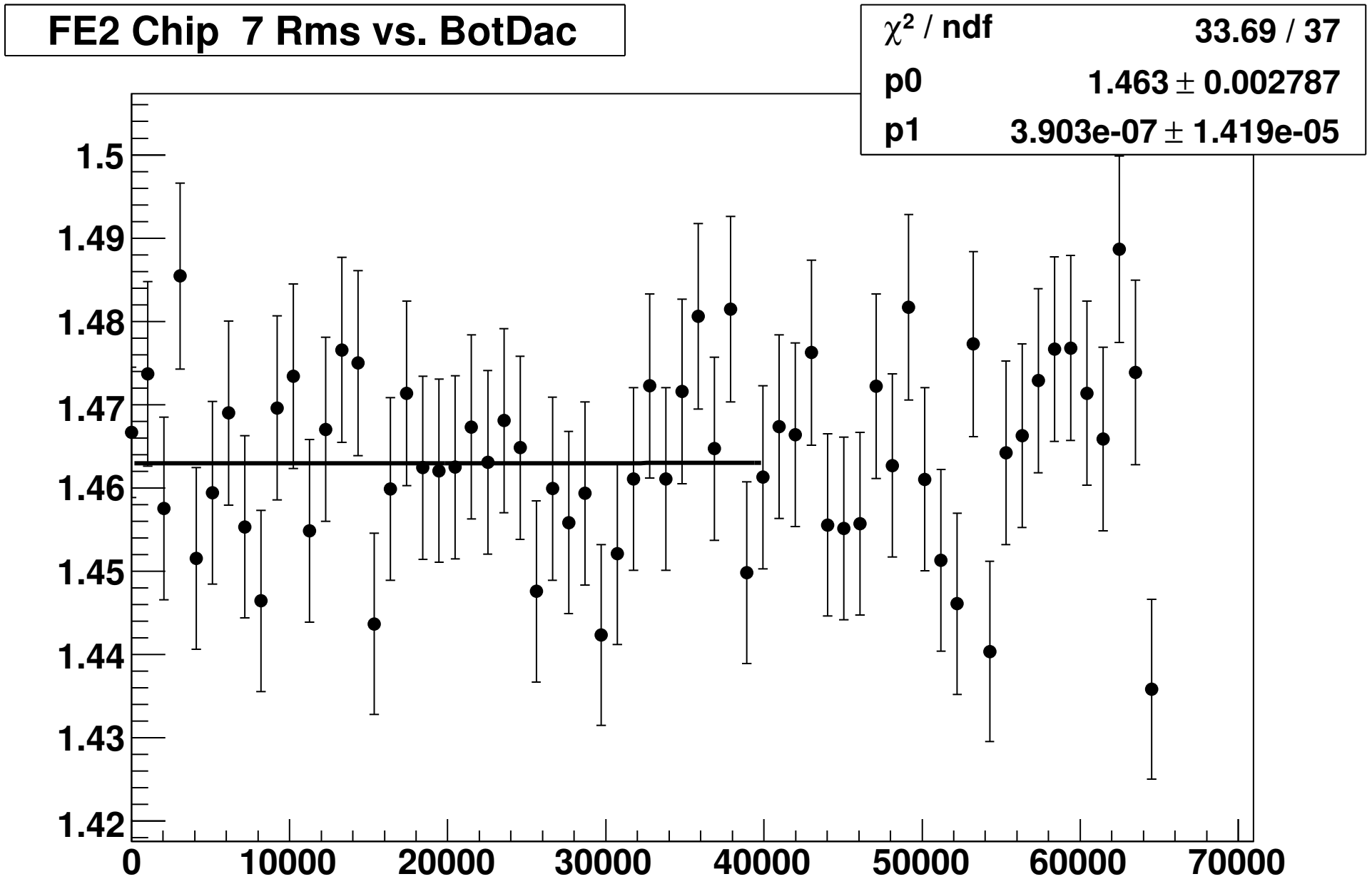

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 203.3 / 37
p0 34.69 ± 0.005056
p1 -1.06e-07 ± 2.15e-07
34.8
34.75
34.7
34.65
34.6
34.55
34.5
0
10000
20000
30000
40000
50000
60000
70000

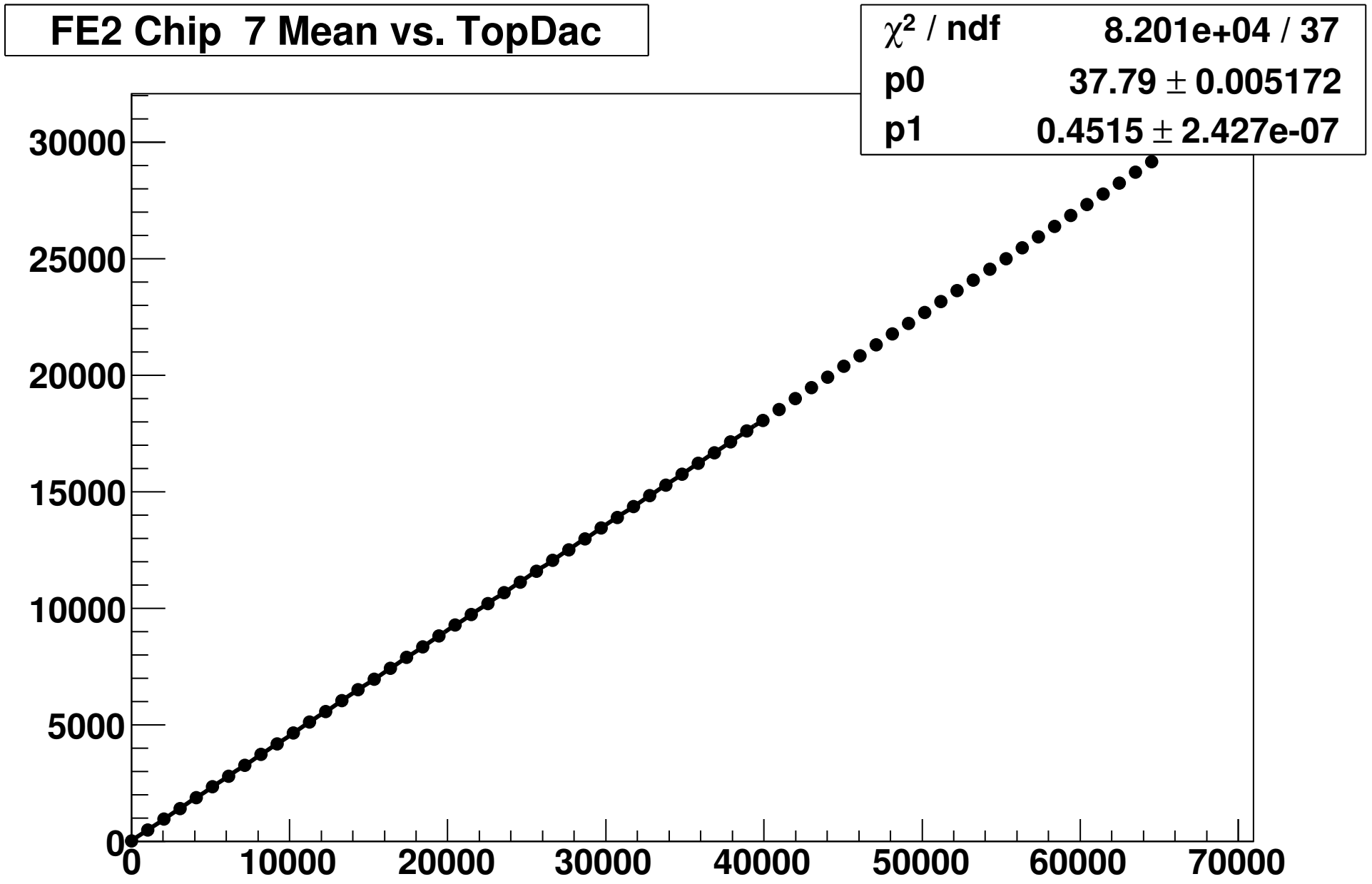

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 37.2 / 37
p0 1.459 ± 0.001758
p1 8.279e-13 ± 3.034e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 9.344e+04 / 37
p0 34.55 ± 0.005178
p1 0.4515 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 1366 / 37
p0 1.384 ± 0.002828
p1 3.396e-05 ± 2.081e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 193.5 / 37
p0 38.3 ± 0.005073
p1 1.801e-07 ± 2.159e-07
38.4
38.35
38.3
38.25
38.2
38.15
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 33.69 / 37
p0 1.463 ± 0.002787
p1 3.903e-07 ± 1.419e-05
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 8.201e+04 / 37
p0 37.79 ± 0.005172
p1 0.4515 ± 2.427e-07
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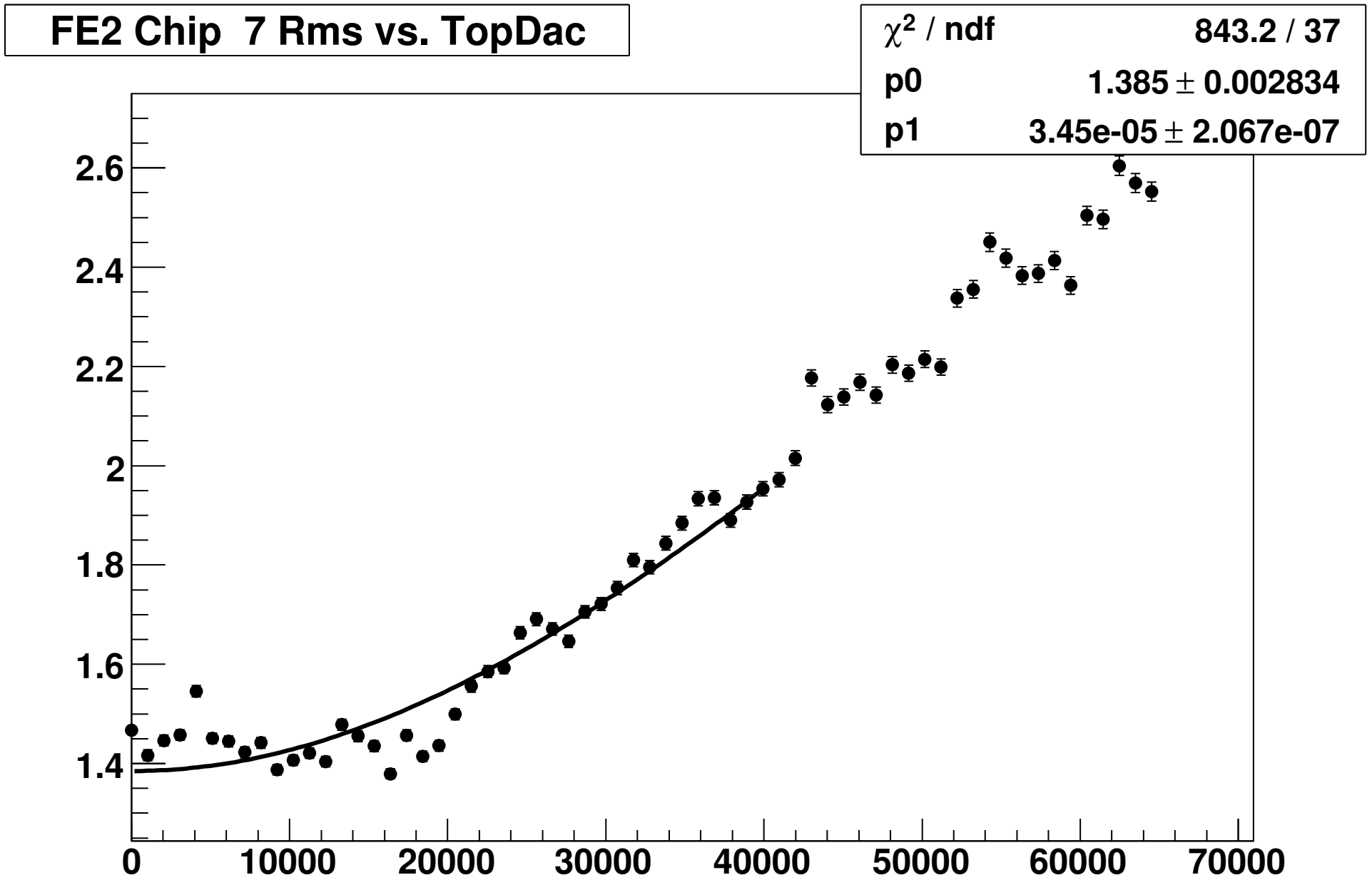
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 843.2 / 37
p0 1.385 ± 0.002834
p1 3.45e-05 ± 2.067e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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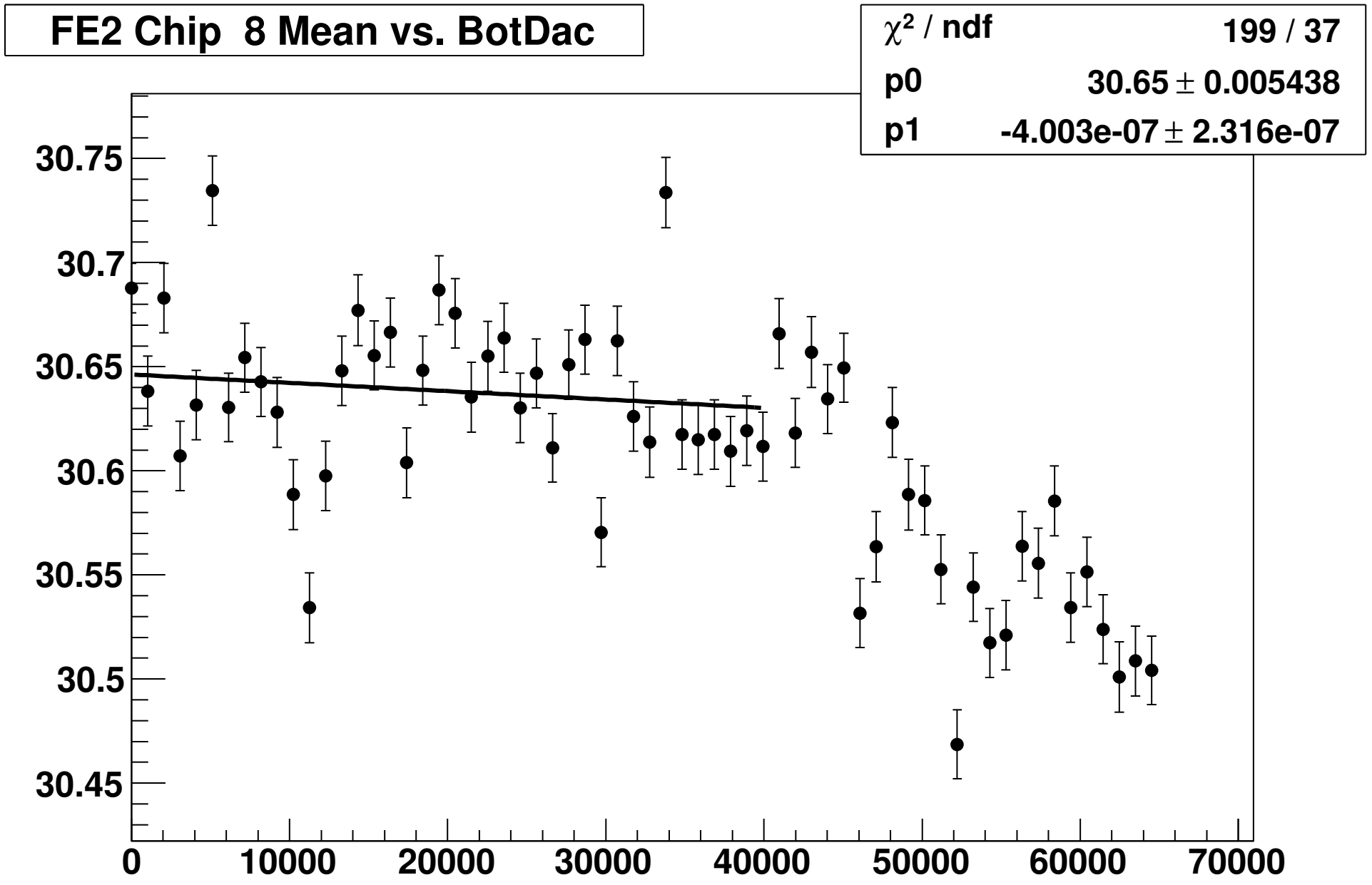
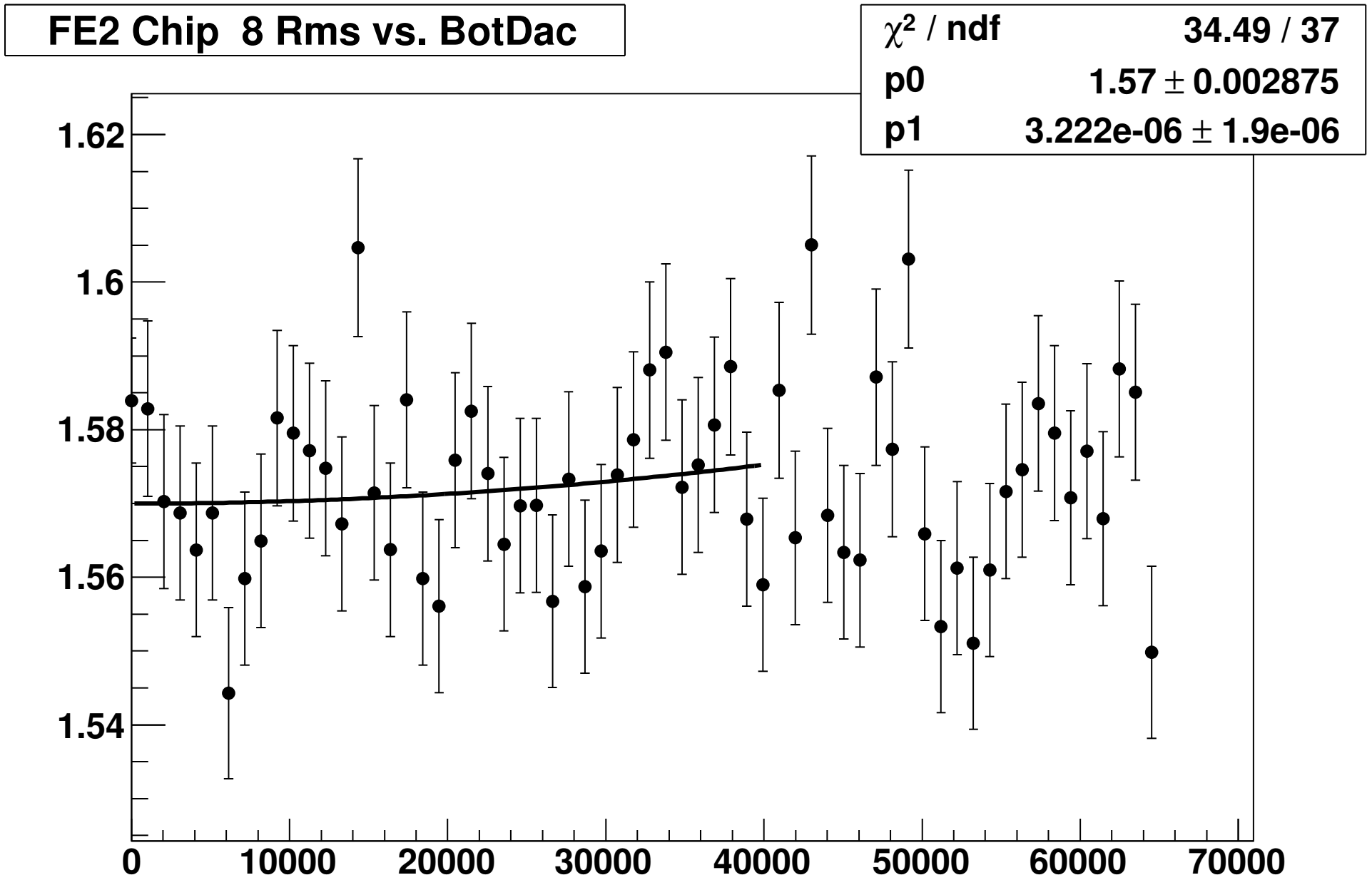

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 199 / 37
p0 30.65 ± 0.005438
p1 -4.003e-07 ± 2.316e-07
30.75
30.7
30.65
30.6
30.55
30.5
30.45
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 34.49 / 37
p0 1.57 ± 0.002875
p1 3.222e-06 ± 1.9e-06
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
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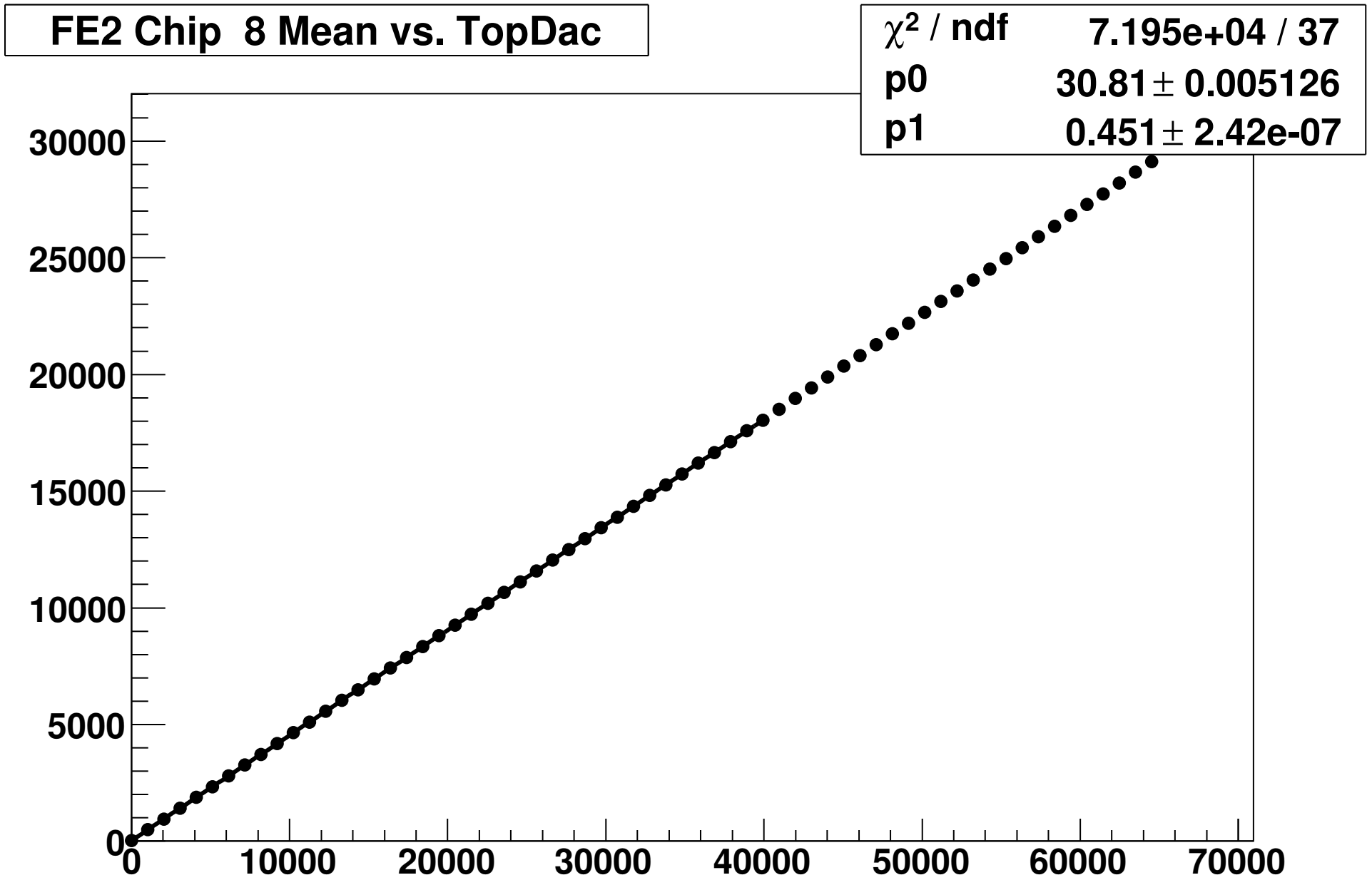
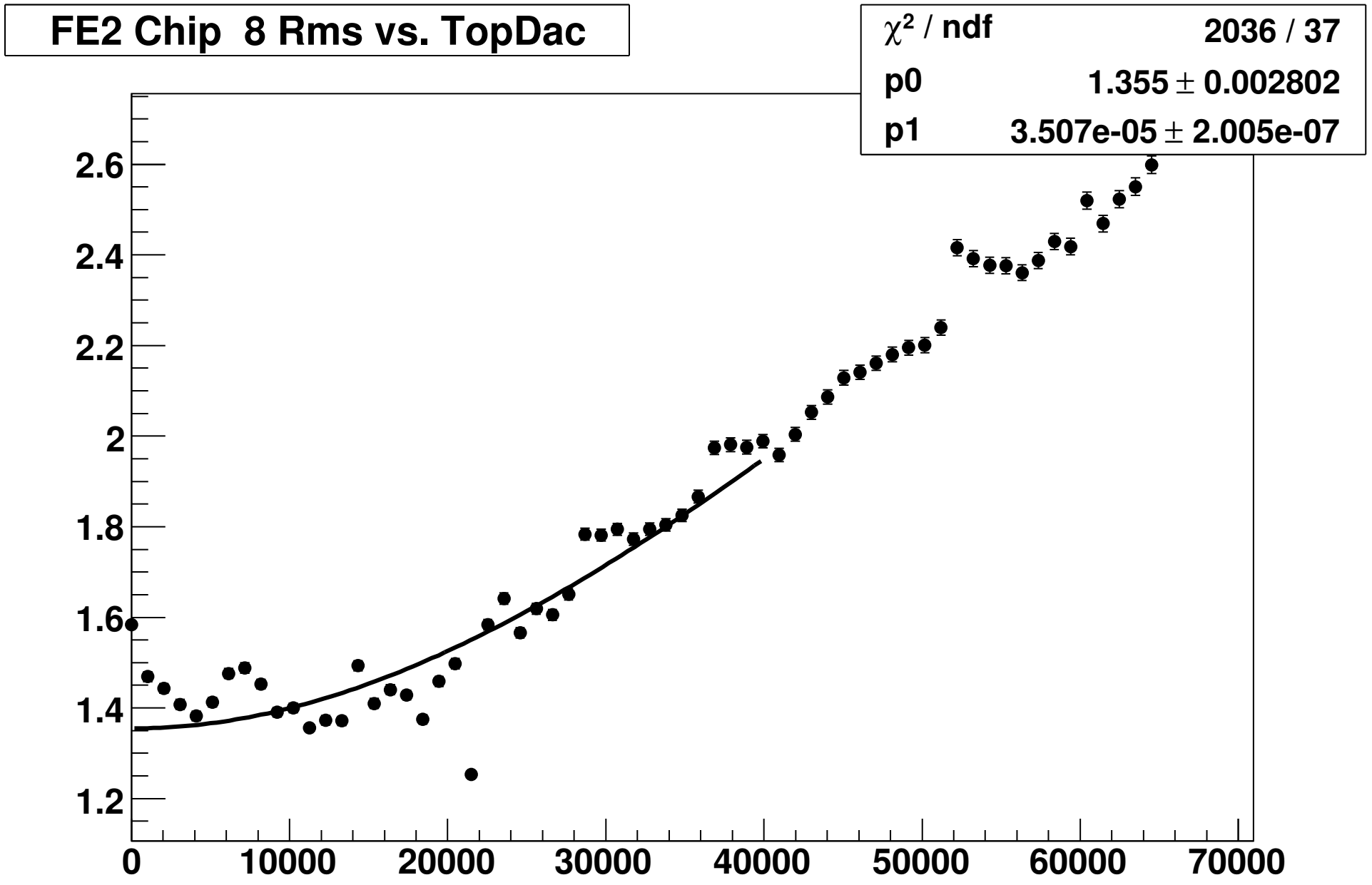

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 7.195e+04 / 37
p0 30.81 ± 0.005126
p1 0.451 ± 2.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 2036 / 37
p0 1.355 ± 0.002802
p1 3.507e-05 ± 2.005e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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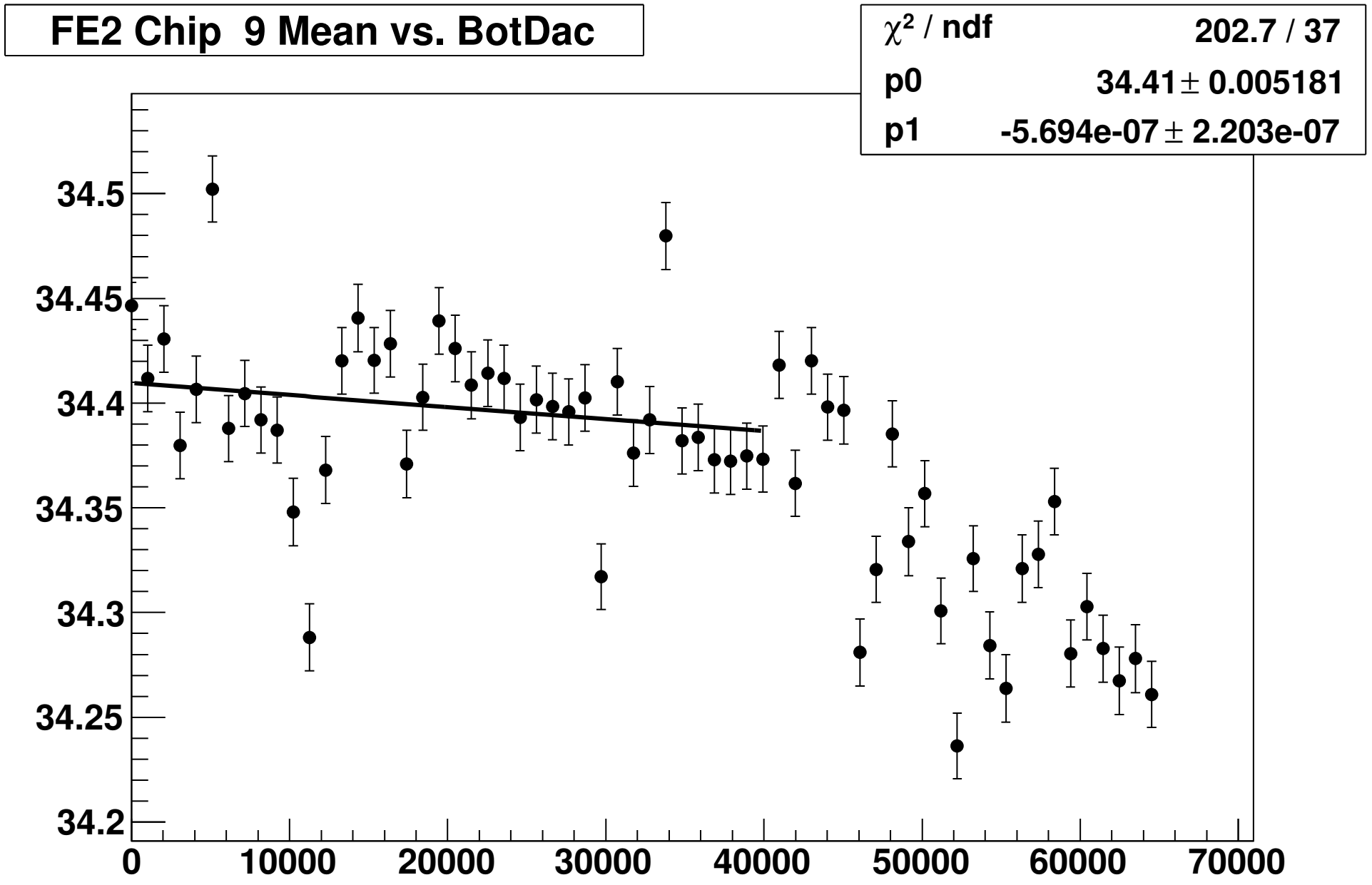
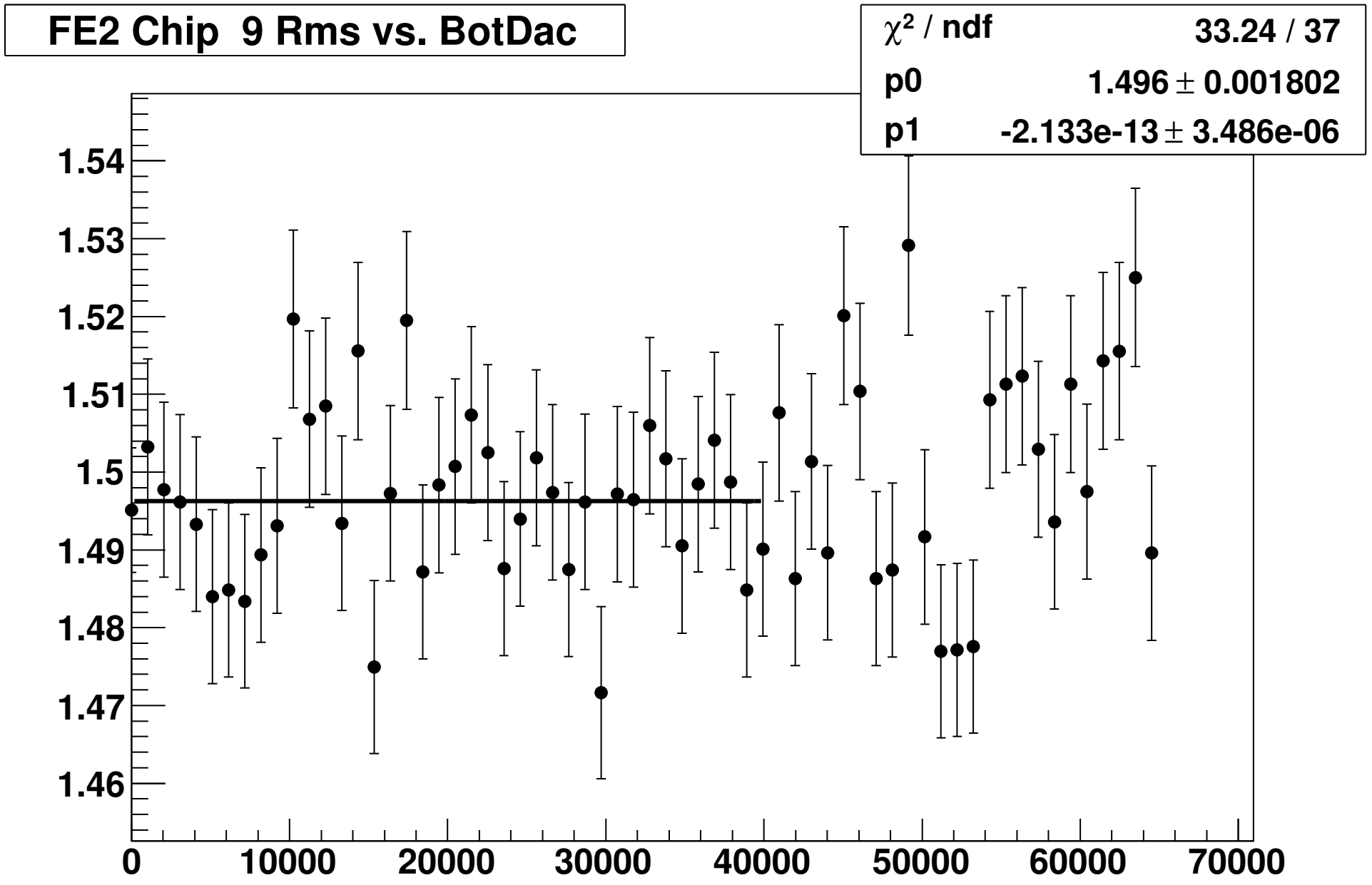

FE2 Chip 9 Mean vs. BotDac
χ² / ndf 202.7 / 37
p0 34.41 ± 0.005181
p1 -5.694e-07 ± 2.203e-07
34.5
34.45
34.4
34.35
34.3
34.25
34.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 33.24 / 37
p0 1.496 ± 0.001802
p1 -2.133e-13 ± 3.486e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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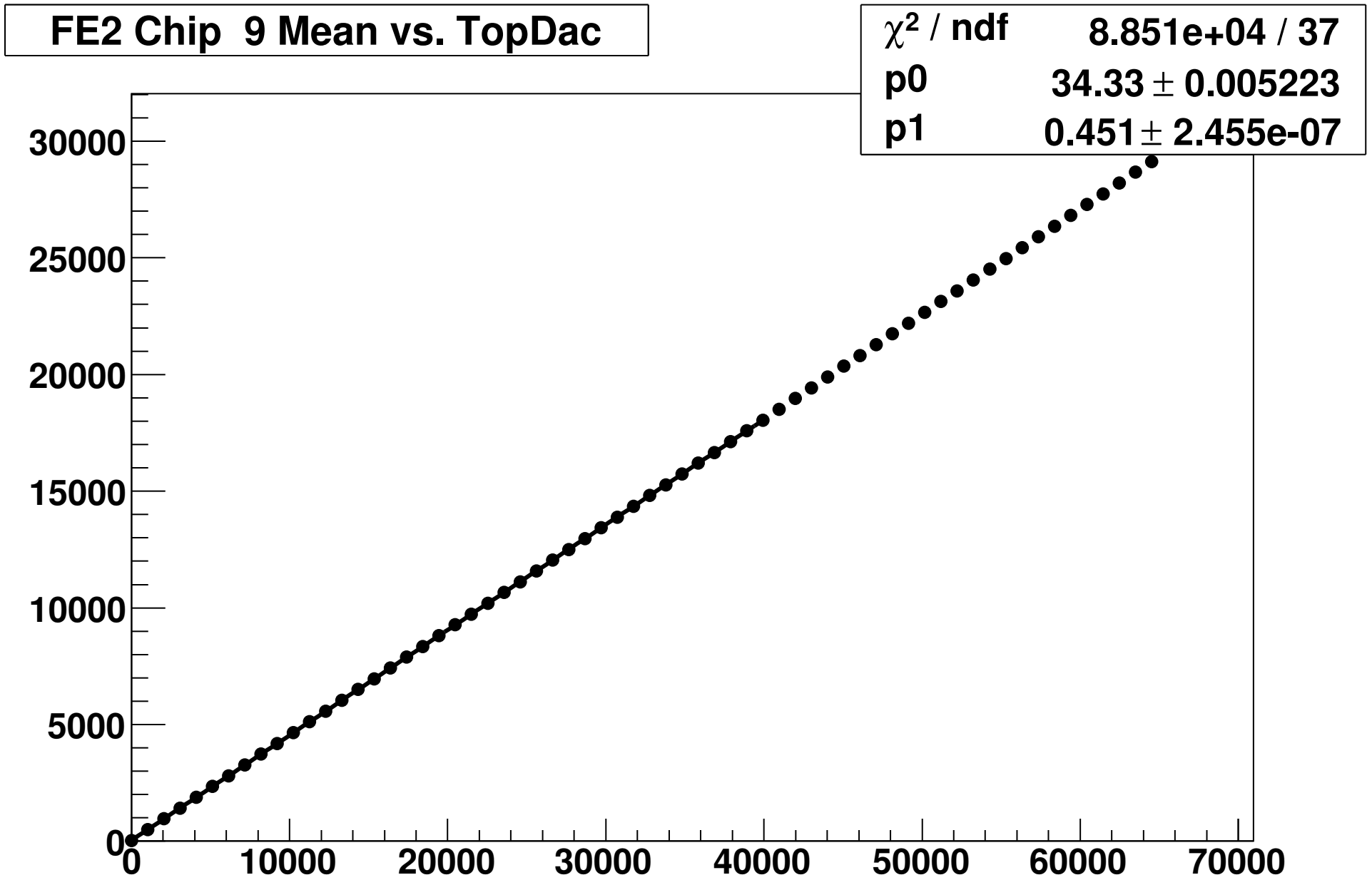
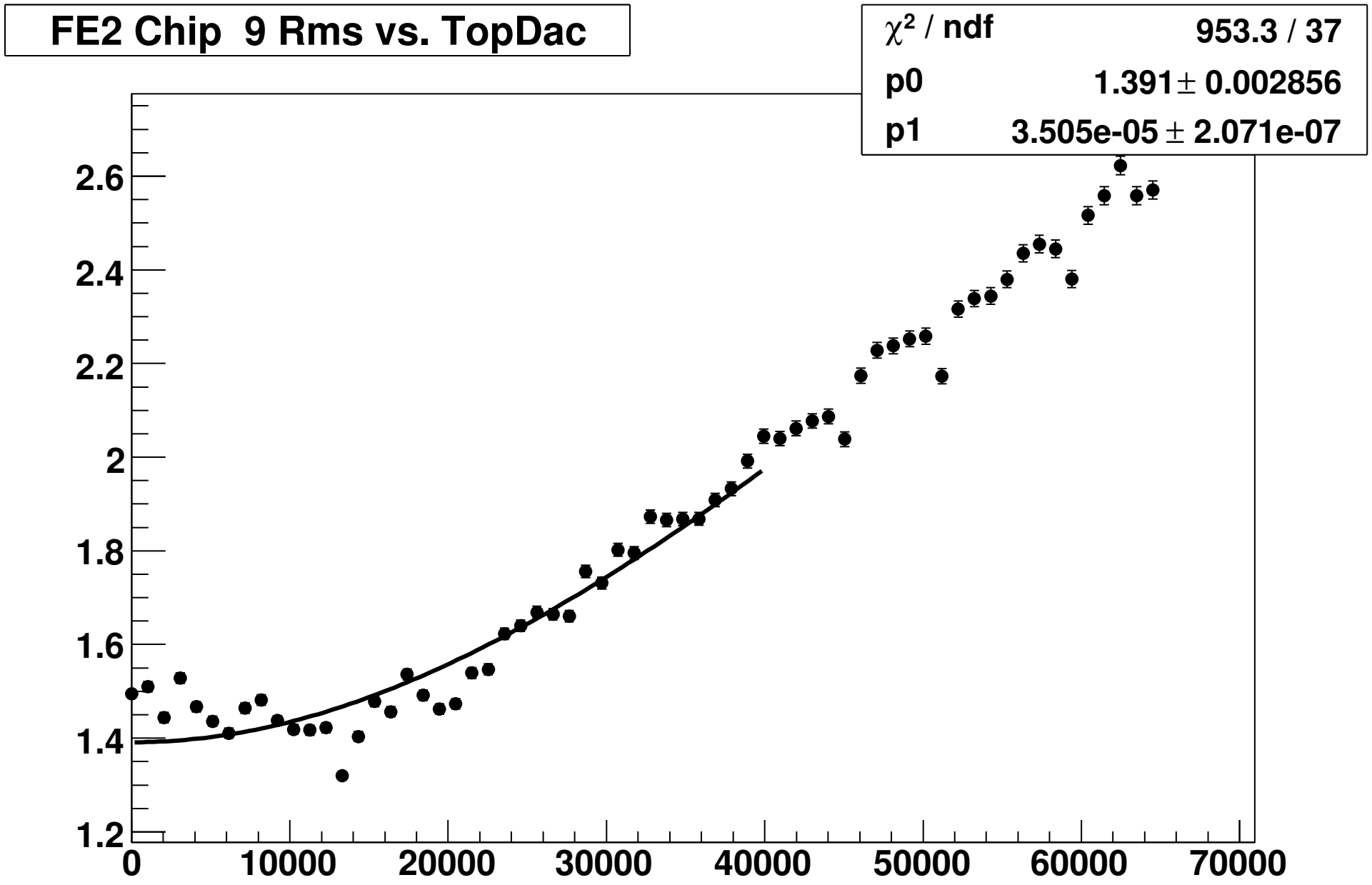

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 8.851e+04 / 37
p0 34.33 ± 0.005223
p1 0.451 ± 2.455e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 953.3 / 37
p0 1.391 ± 0.002856
p1 3.505e-05 ± 2.071e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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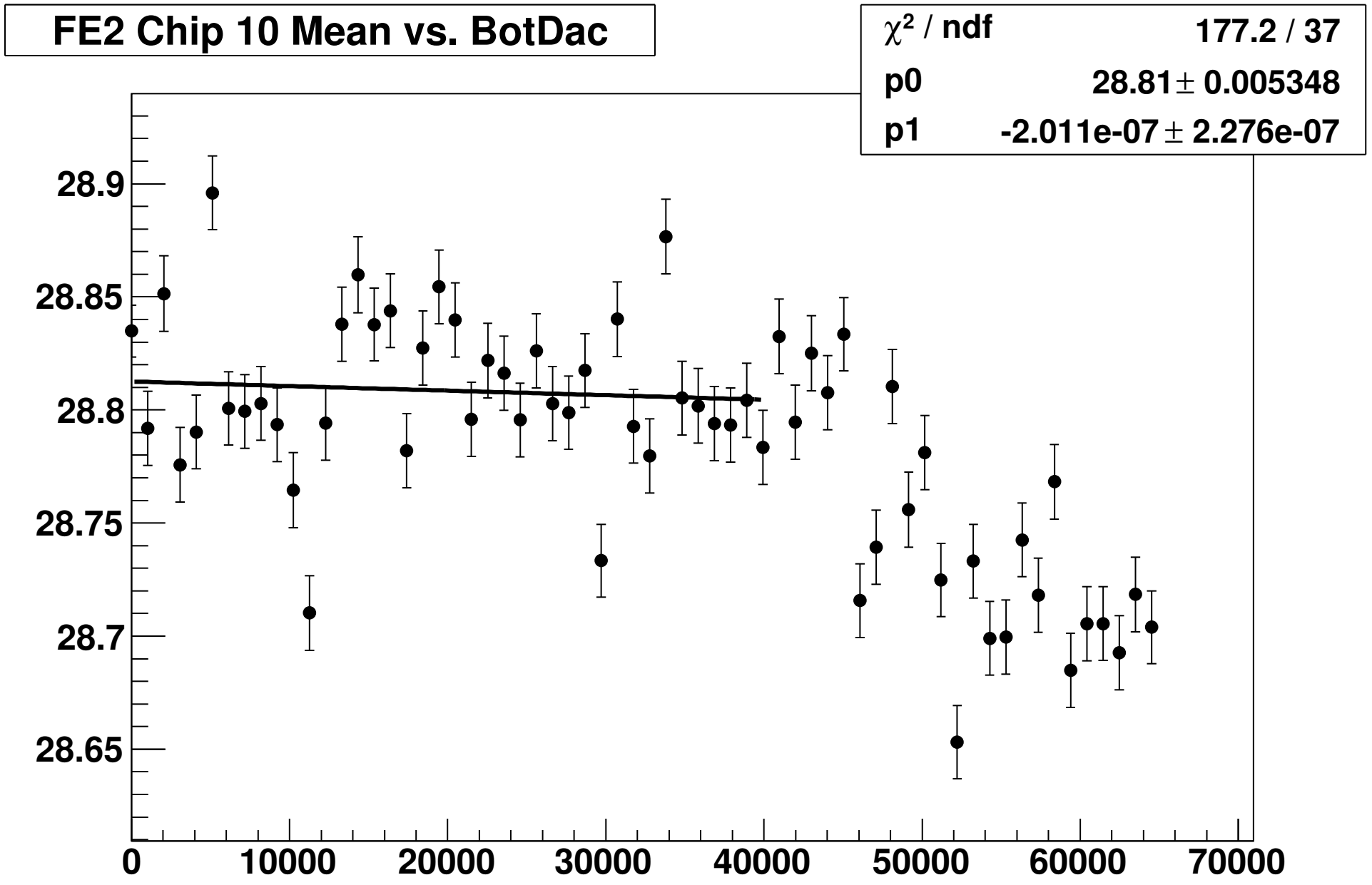
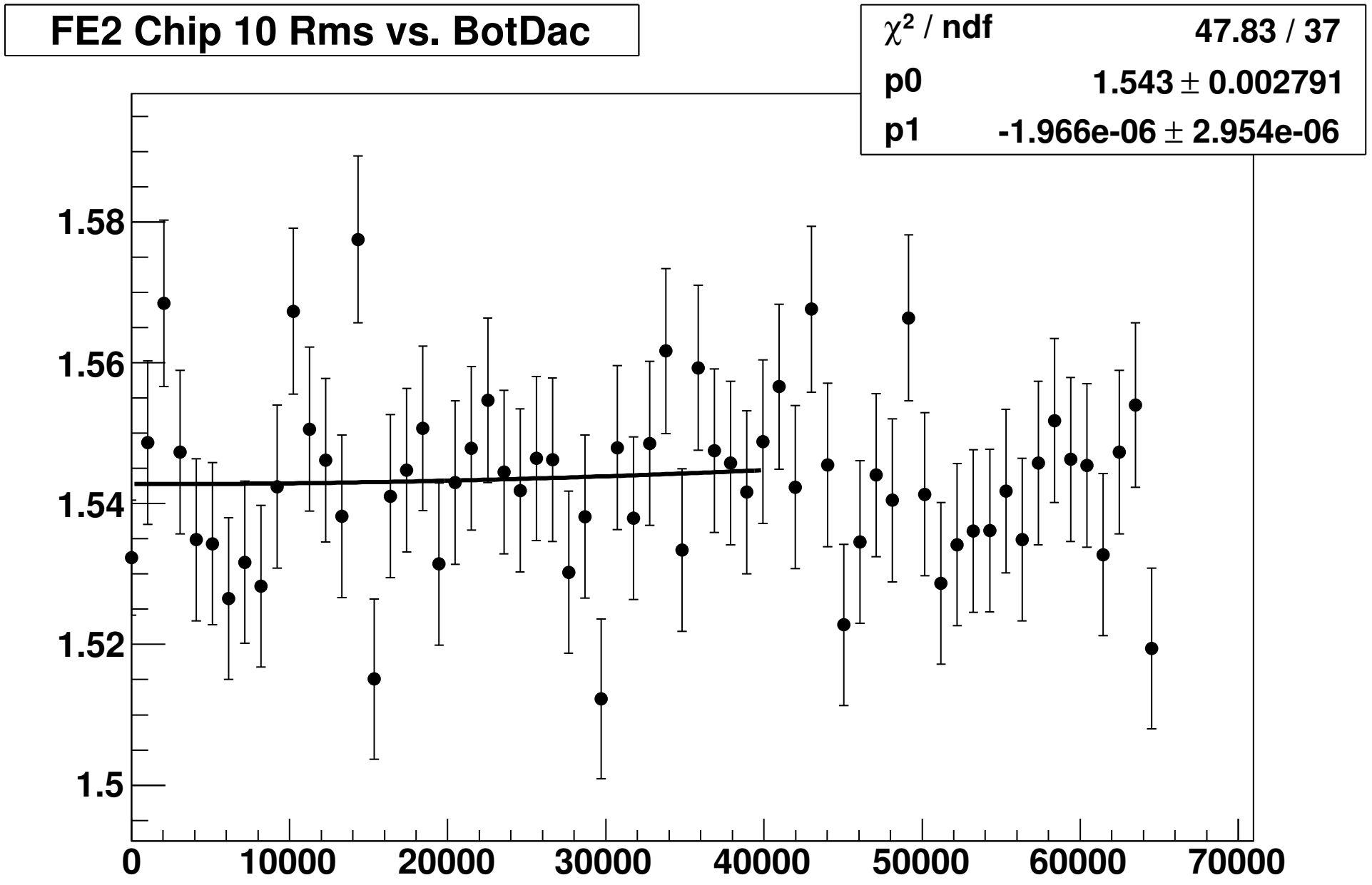
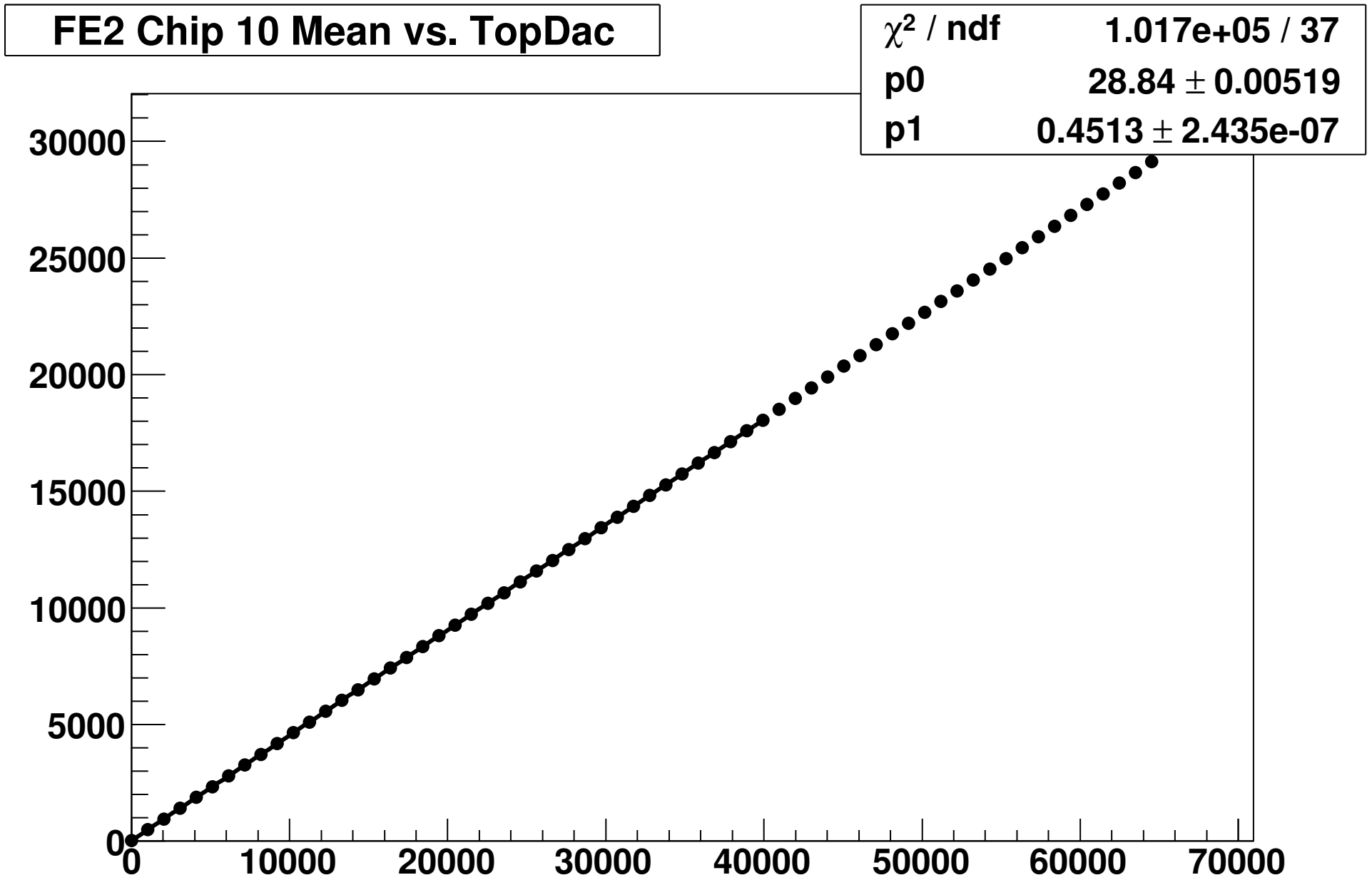

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 177.2 / 37
p0 28.81 ± 0.005348
p1 -2.011e-07 ± 2.276e-07
28.9
28.85
28.8
28.75
28.7
28.65
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 47.83 / 37
p0 1.543 ± 0.002791
p1 -1.966e-06 ± 2.954e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.017e+05 / 37
p0 28.84 ± 0.00519
p1 0.4513 ± 2.435e-07
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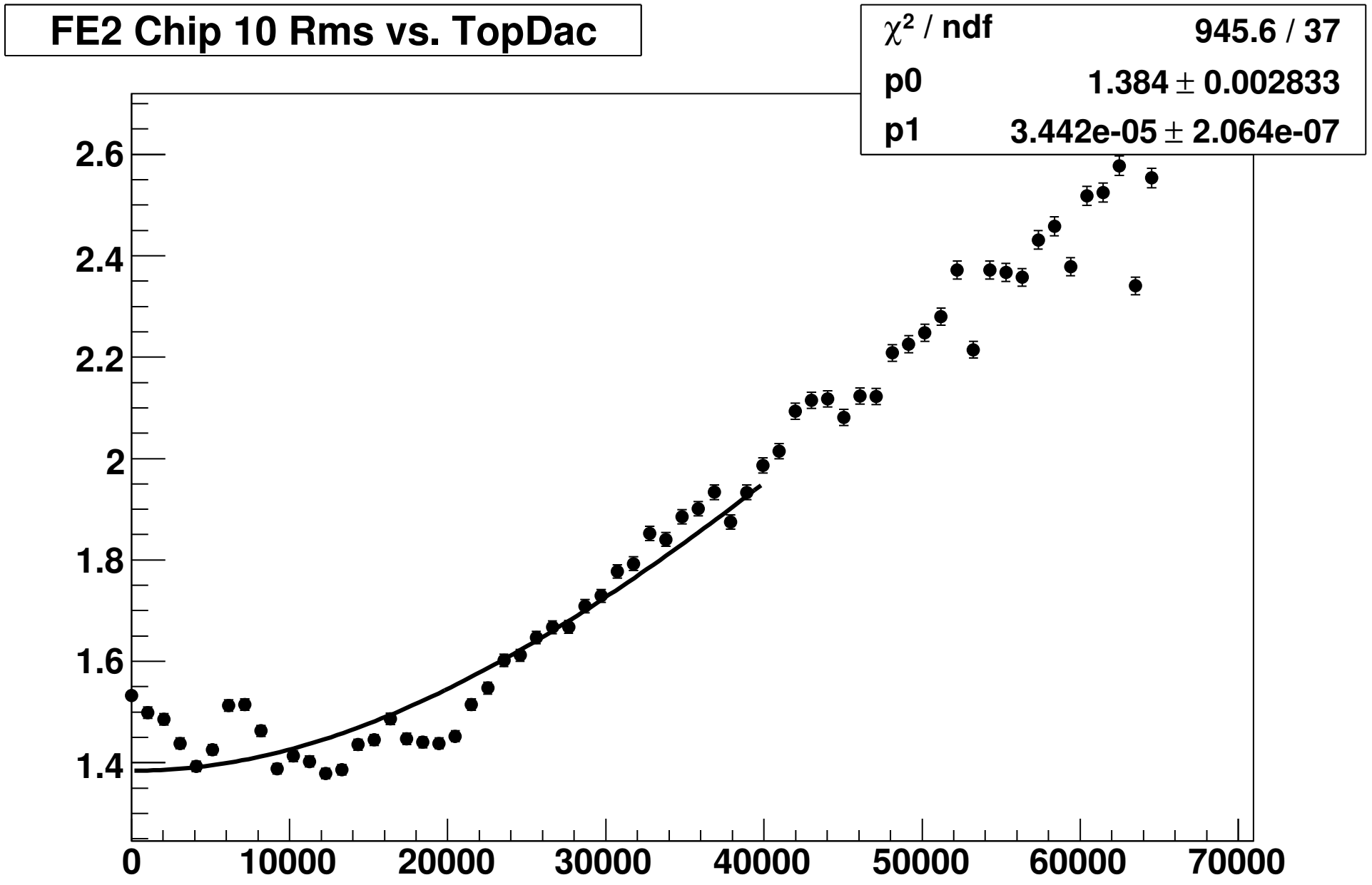
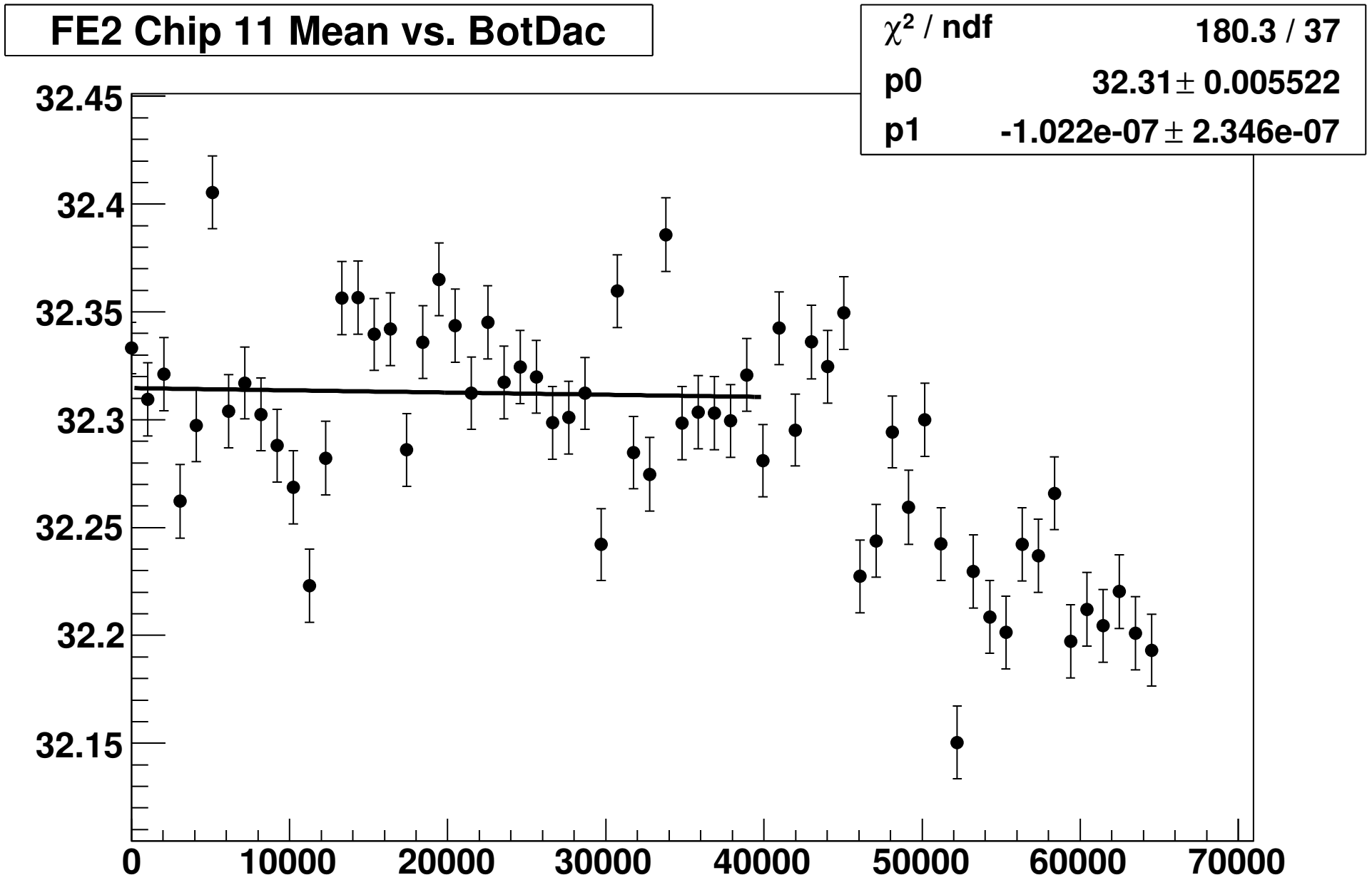
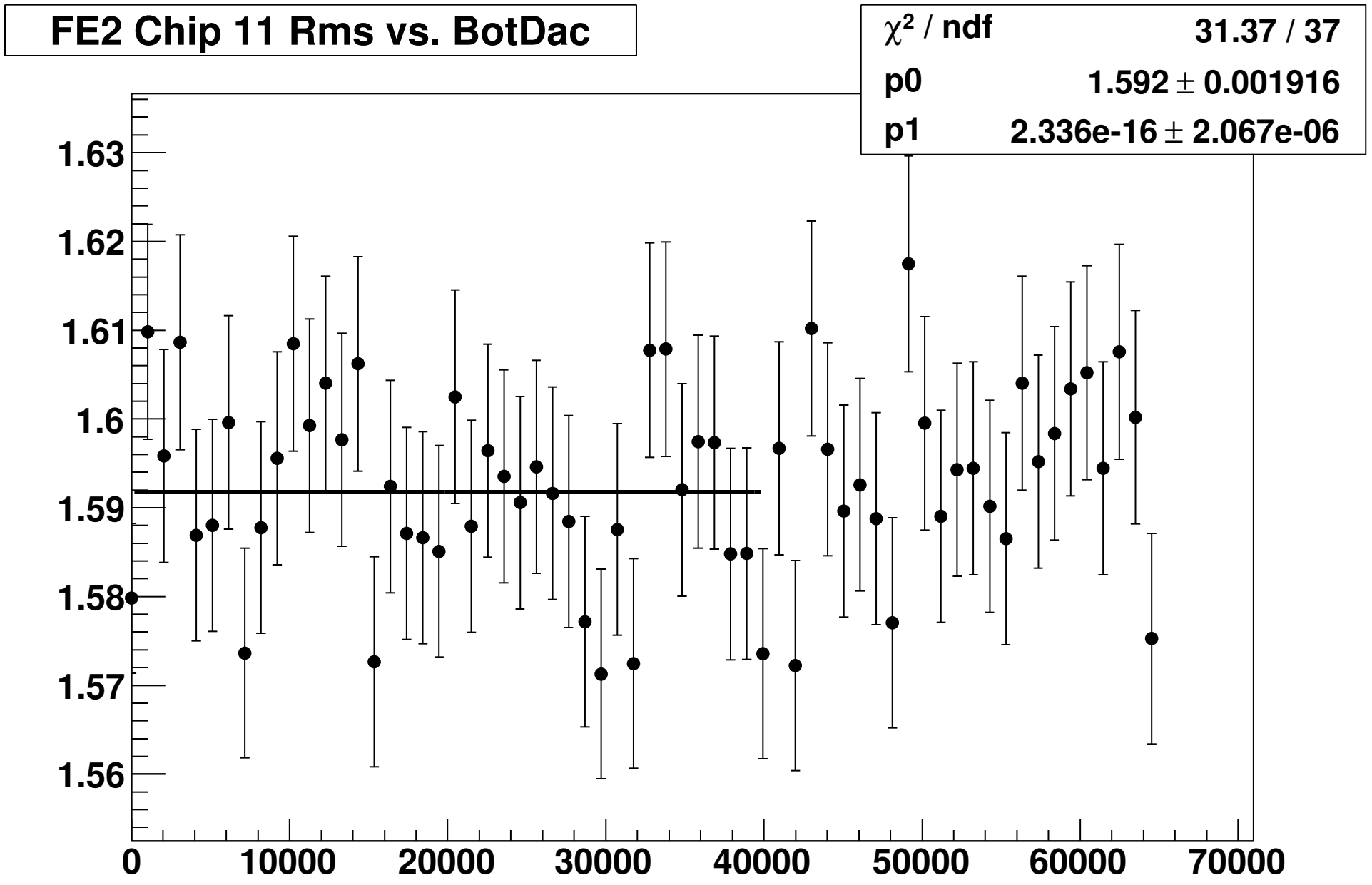
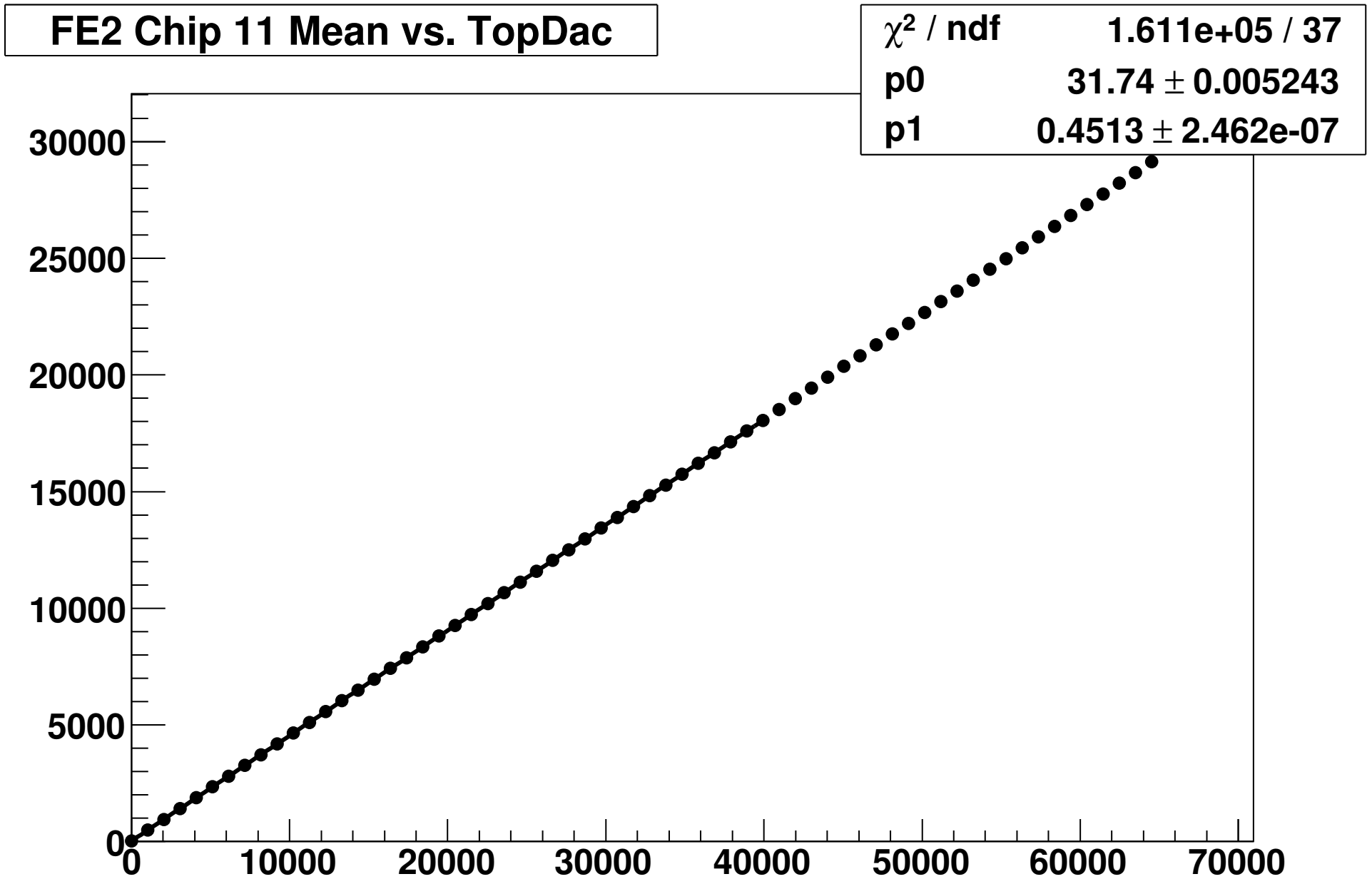
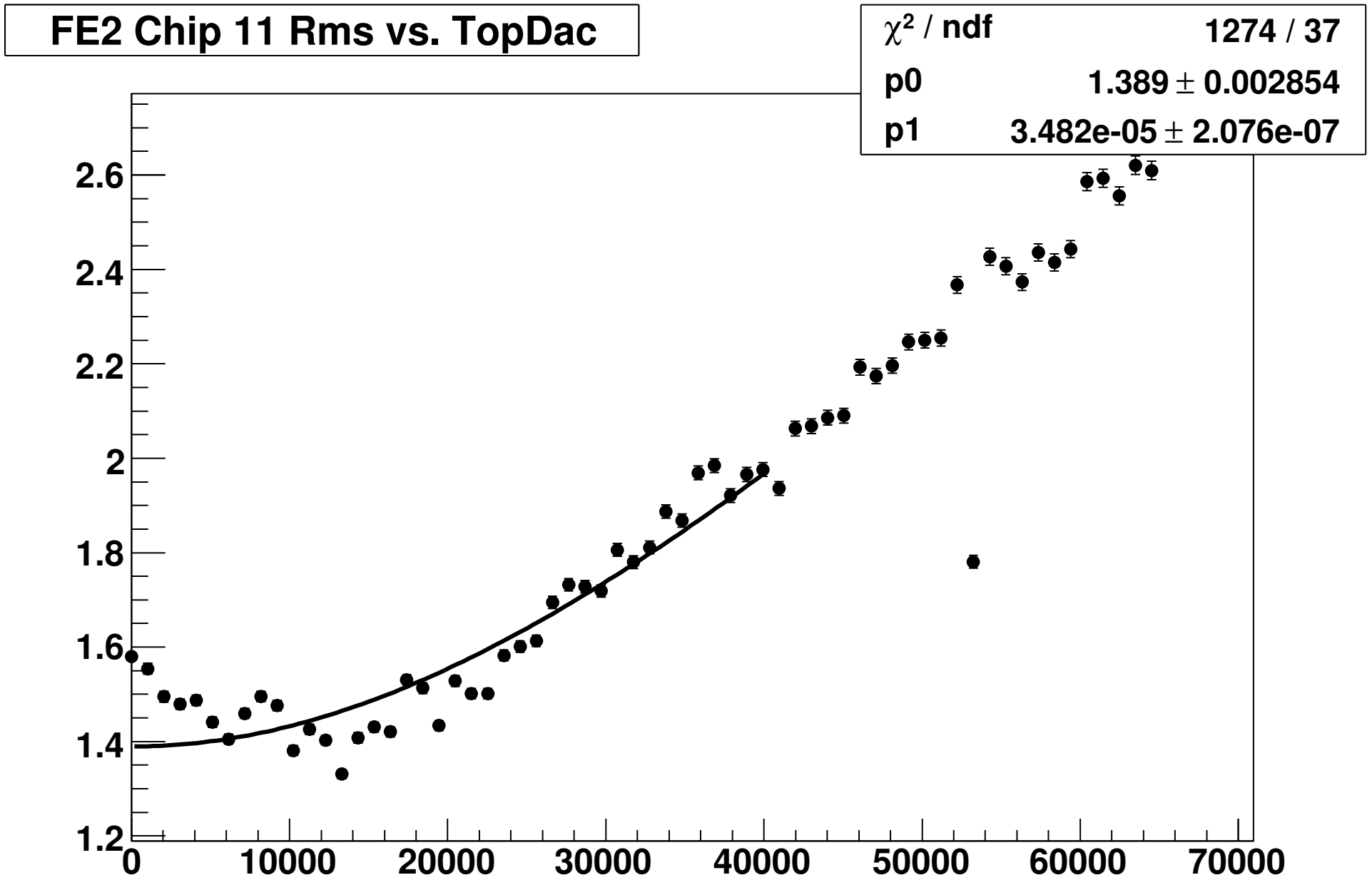
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 945.6 / 37
p0 1.384 ± 0.002833
p1 3.442e-05 ± 2.064e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 180.3 / 37
p0 32.31 ± 0.005522
p1 -1.022e-07 ± 2.346e-07
32.45
32.4
32.35
32.3
32.25
32.2
32.15
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 31.37 / 37
p0 1.592 ± 0.001916
p1 2.336e-16 ± 2.067e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.611e+05 / 37
p0 31.74 ± 0.005243
p1 0.4513 ± 2.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1274 / 37
p0 1.389 ± 0.002854
p1 3.482e-05 ± 2.076e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
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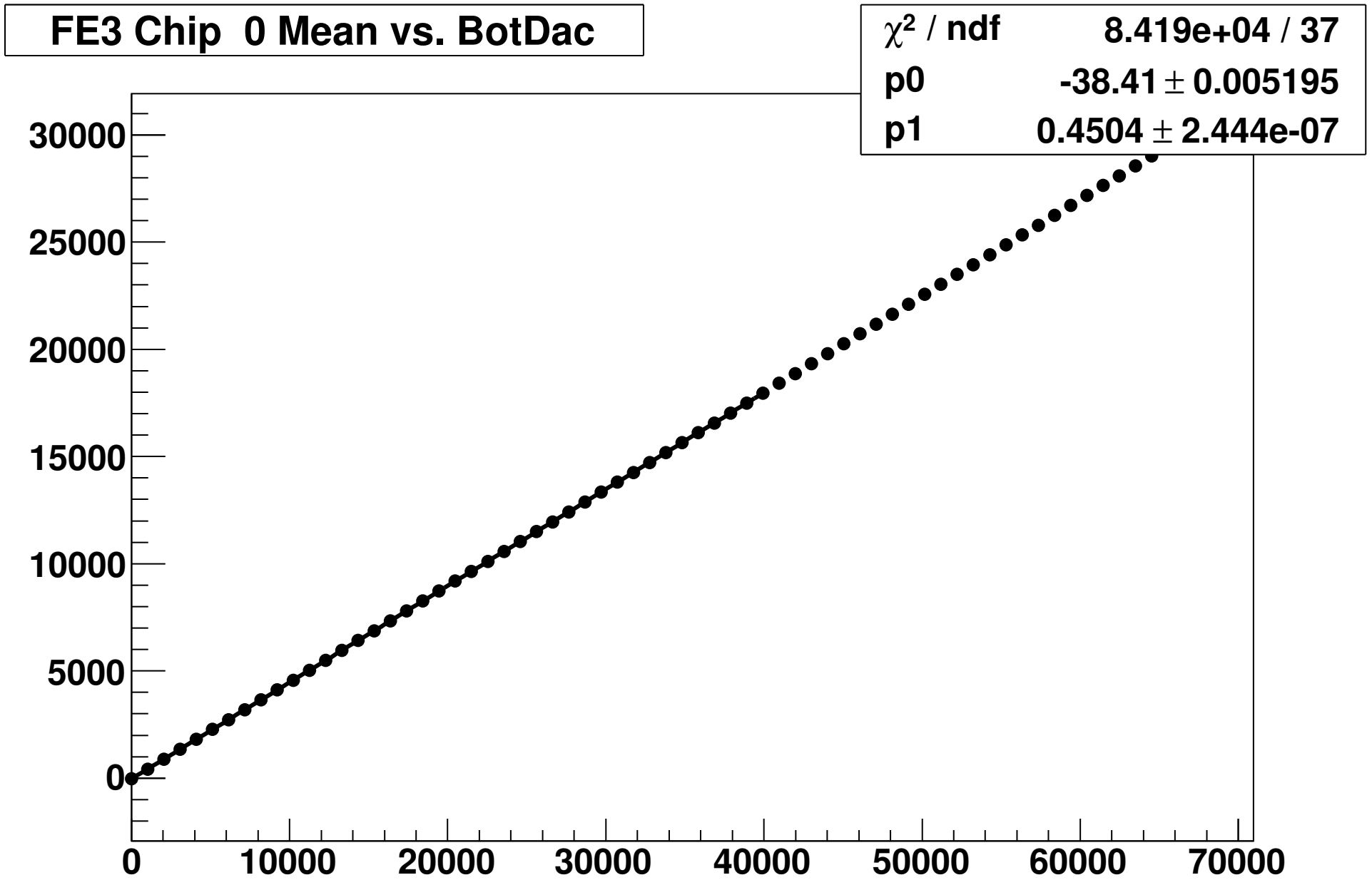
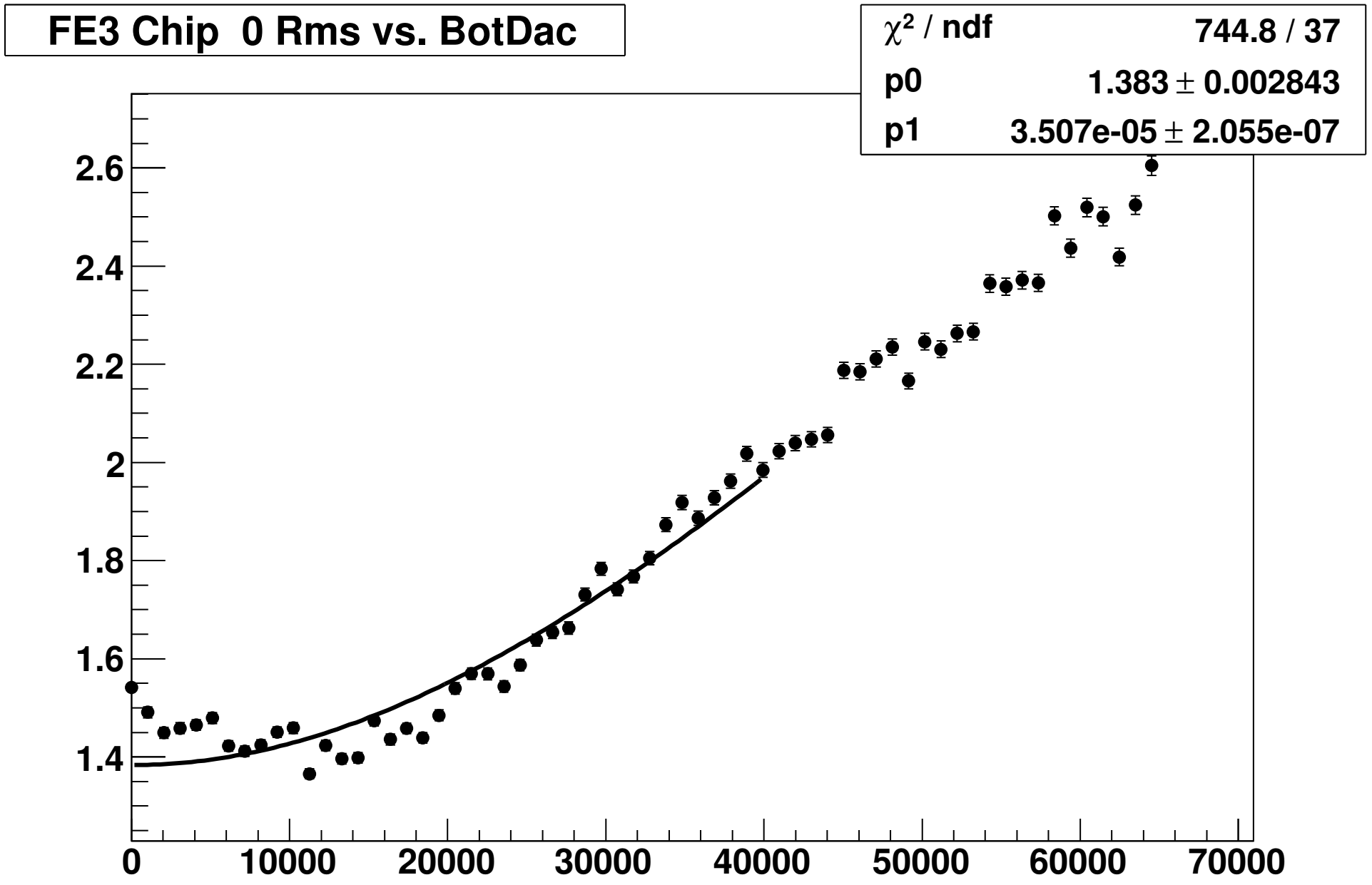
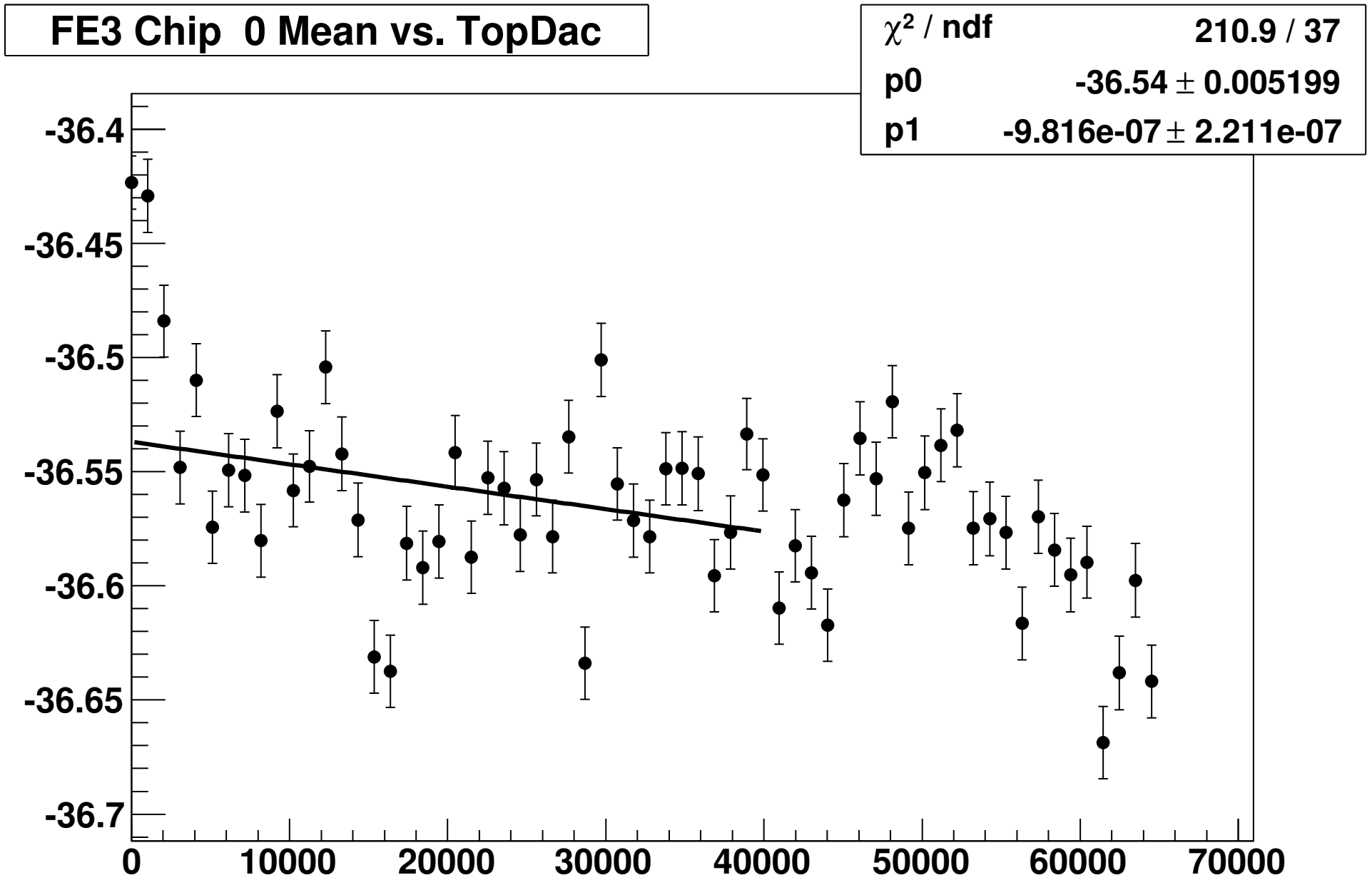
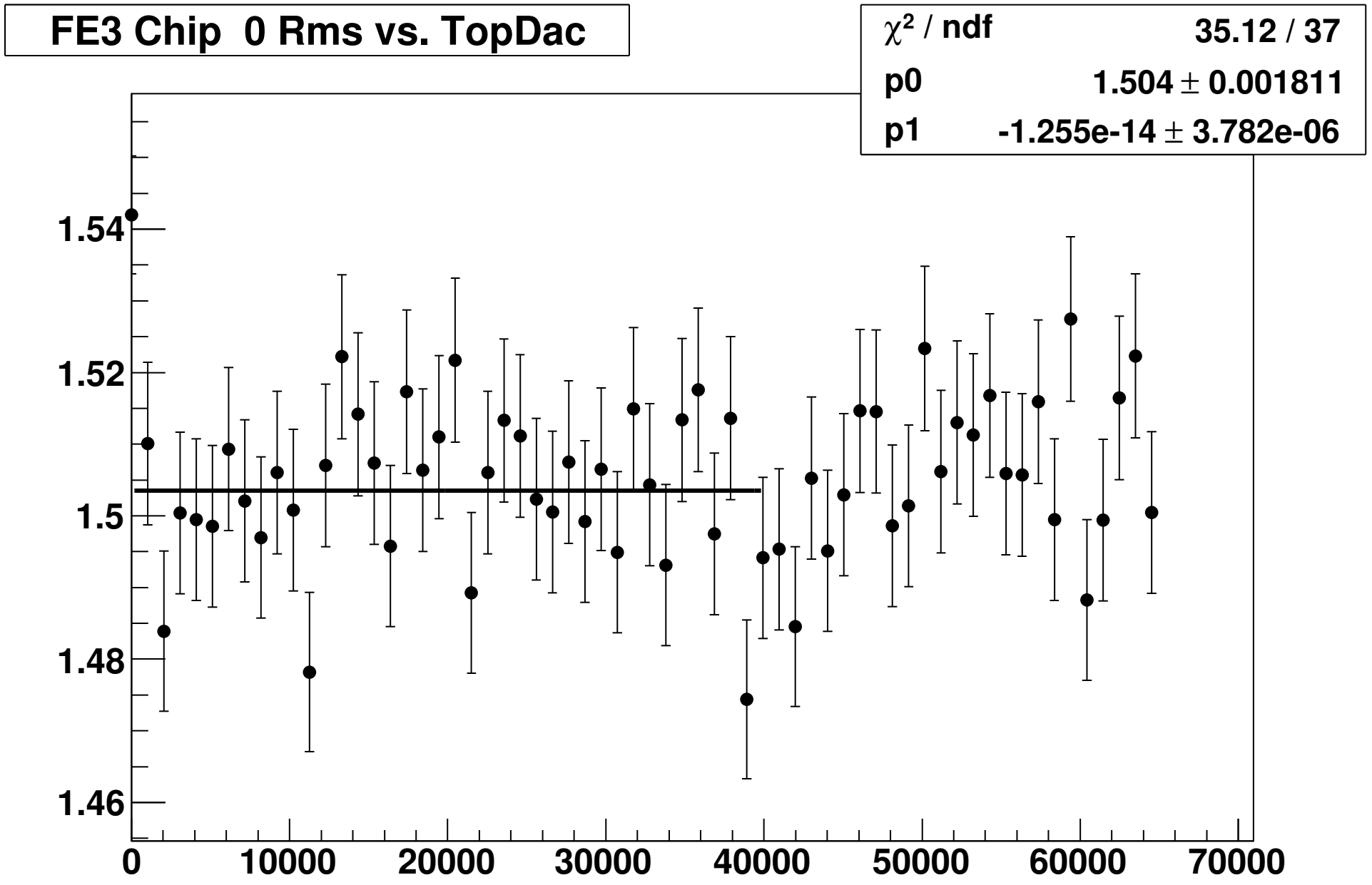
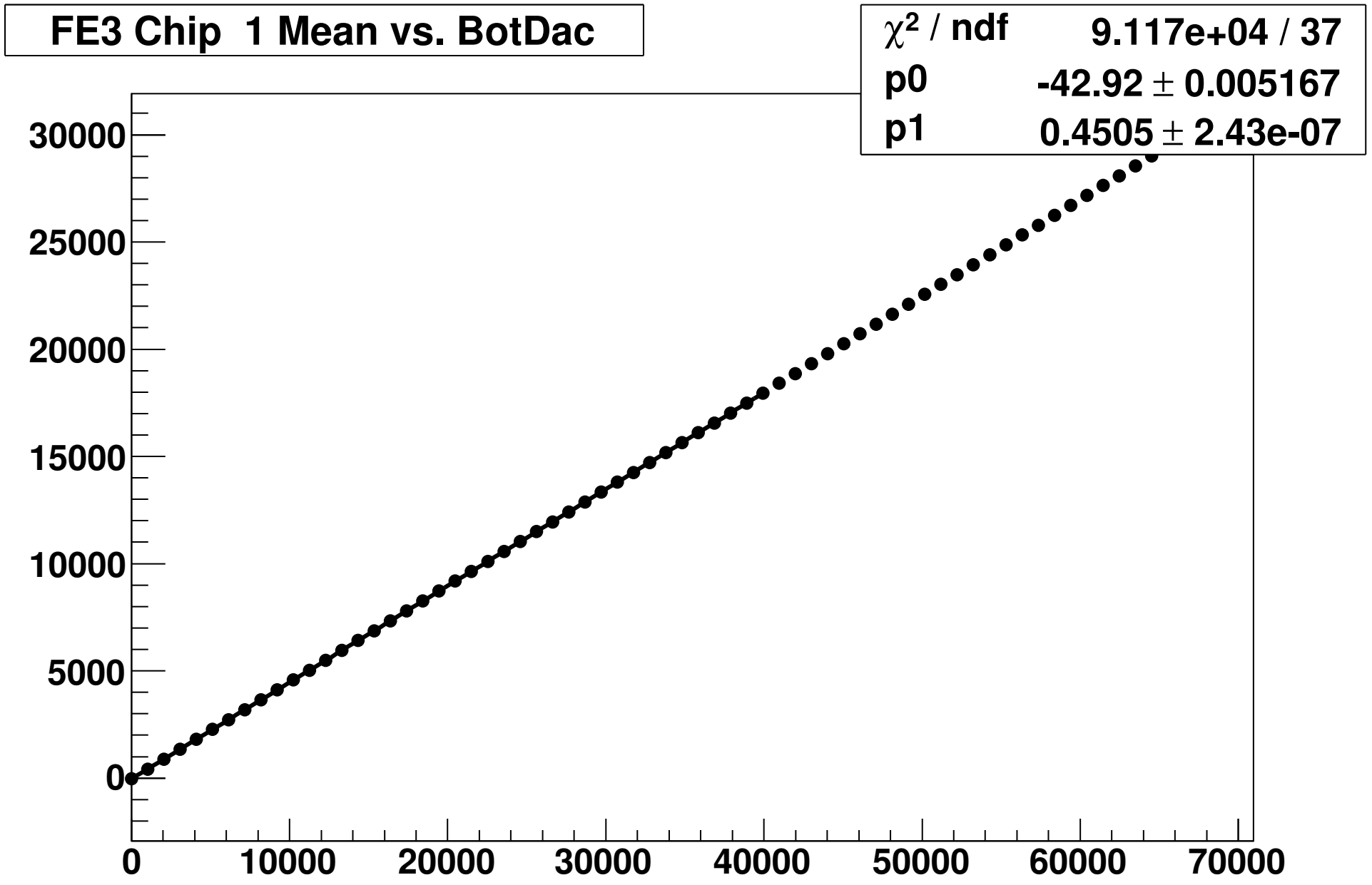
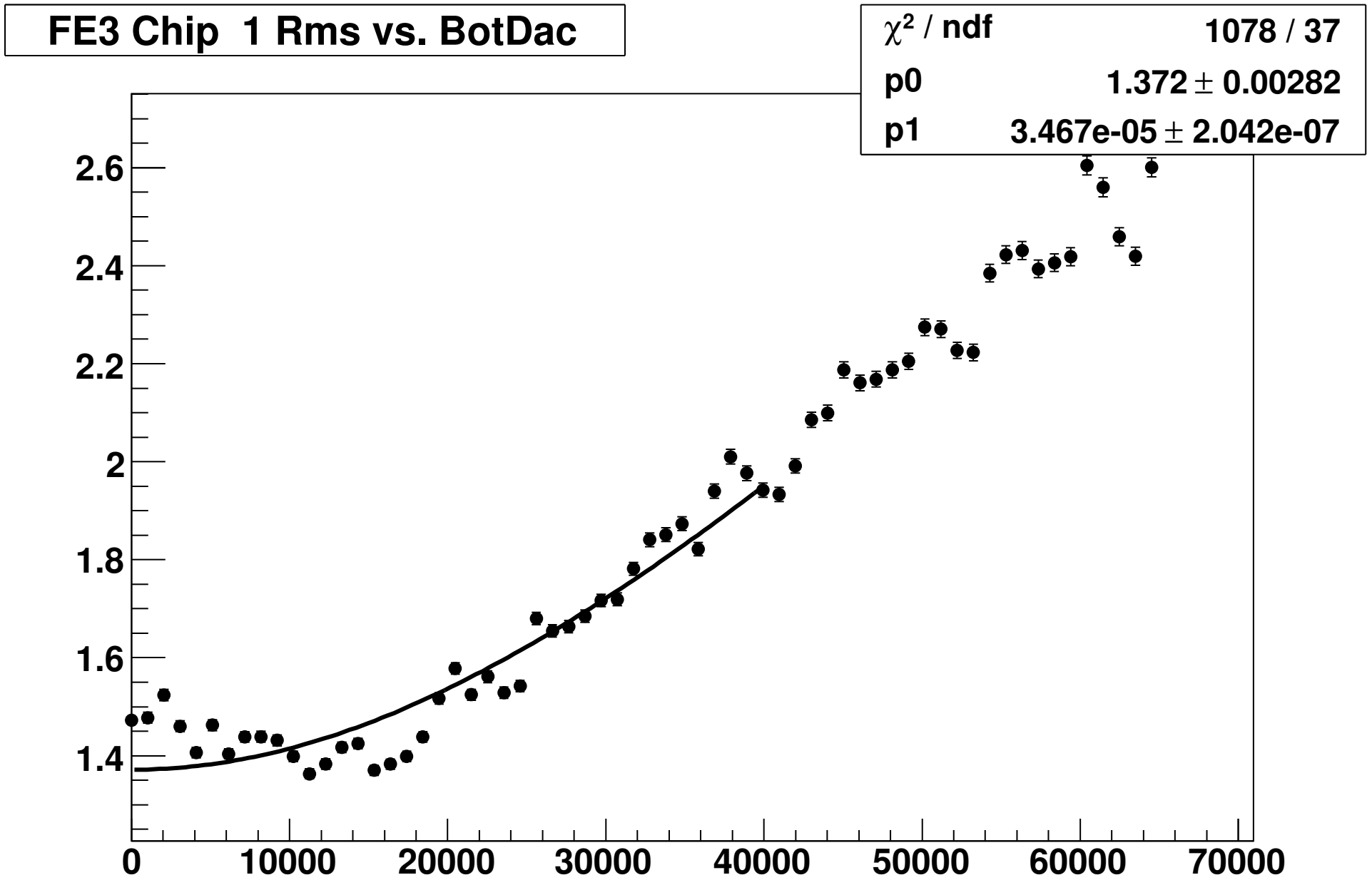

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 8.419e+04 / 37
p0 -38.41 ± 0.005195
p1 0.4504 ± 2.444e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

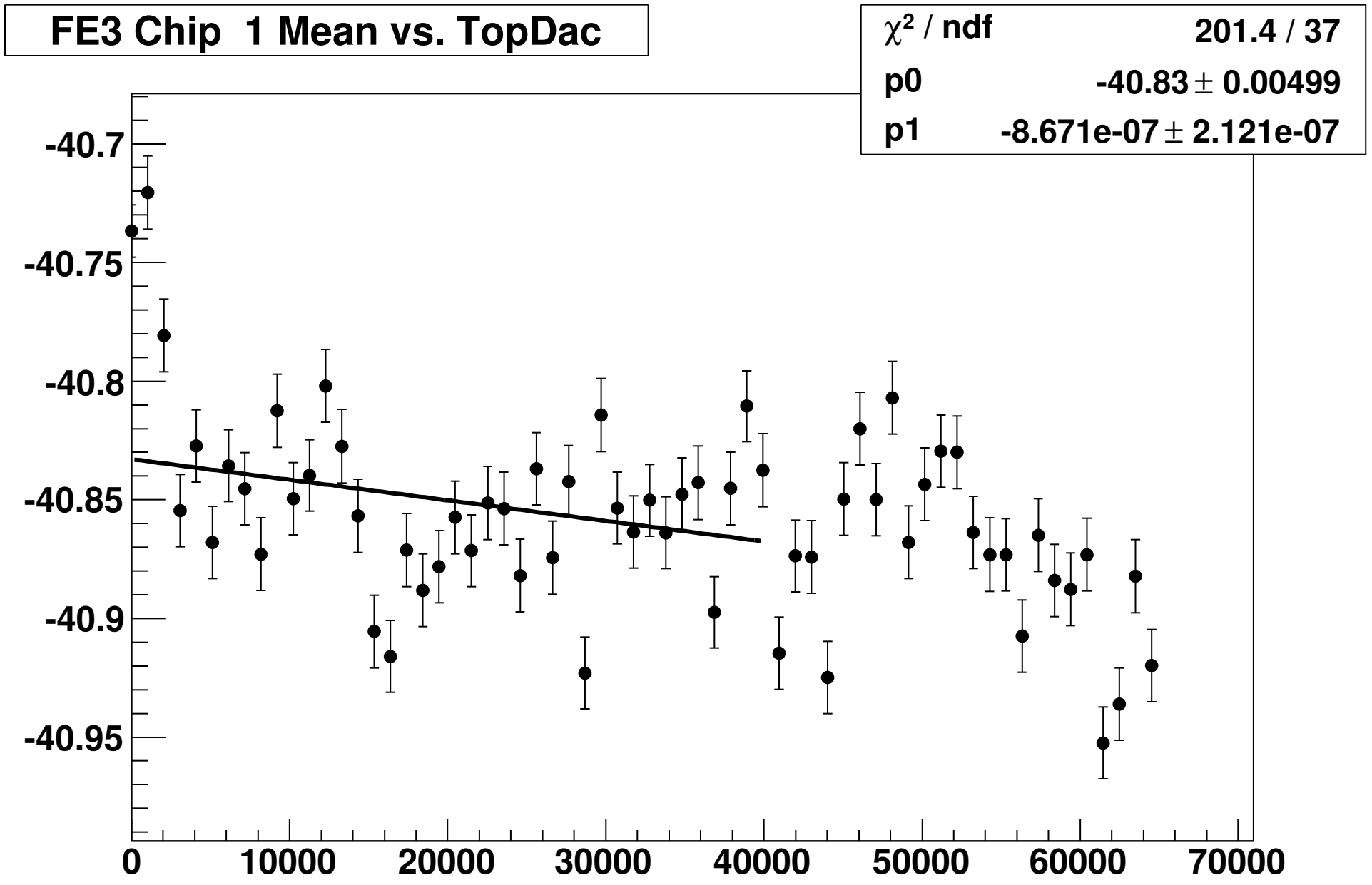

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 744.8 / 37
p0 1.383 ± 0.002843
p1 3.507e-05 ± 2.055e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

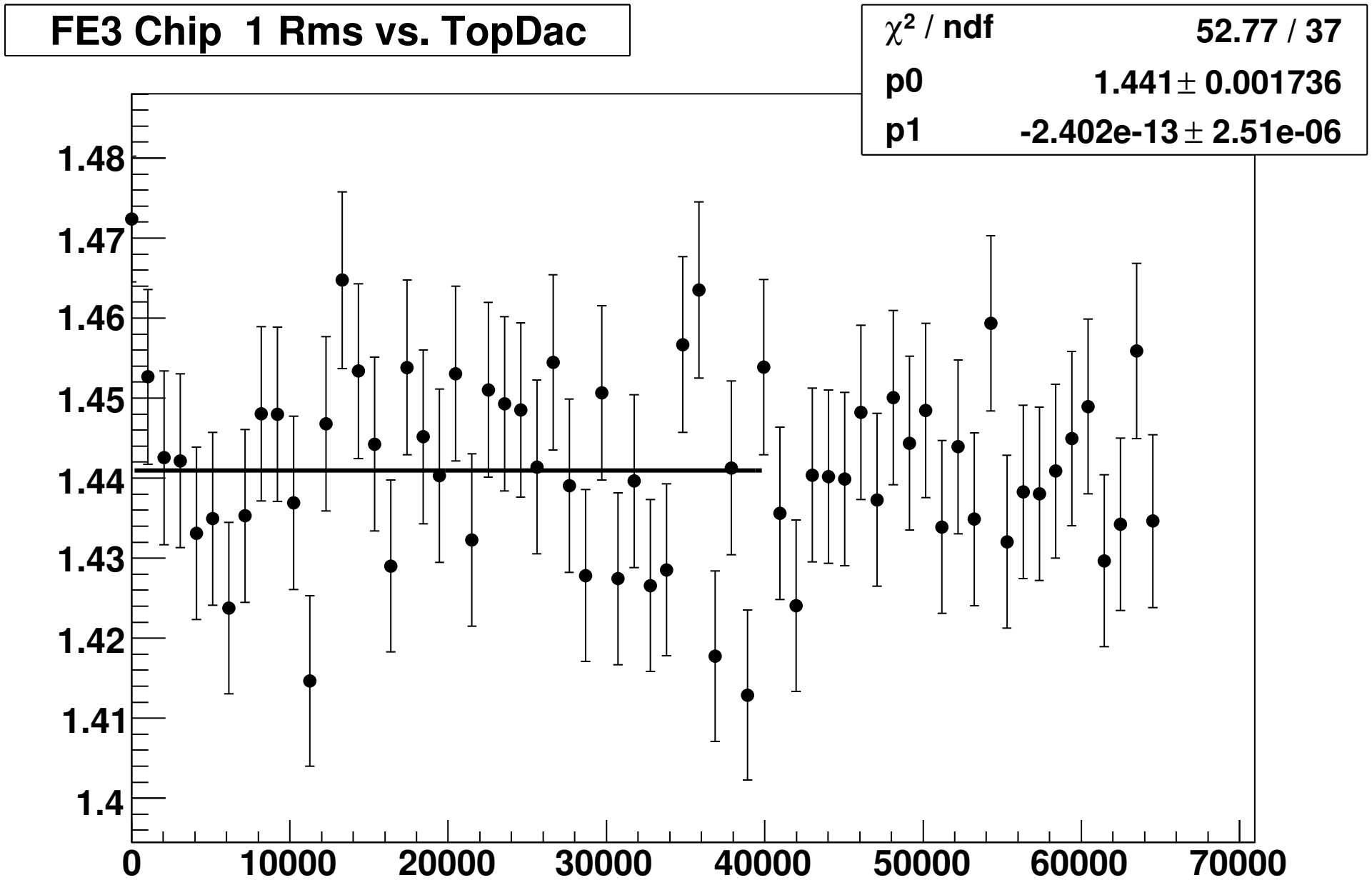

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 210.9 / 37
p0 -36.54 ± 0.005199
p1 -9.816e-07 ± 2.211e-07
-36.4
-36.45
-36.5
-36.55
-36.6
-36.65
-36.7
0
10000
20000
30000
40000
50000
60000
70000

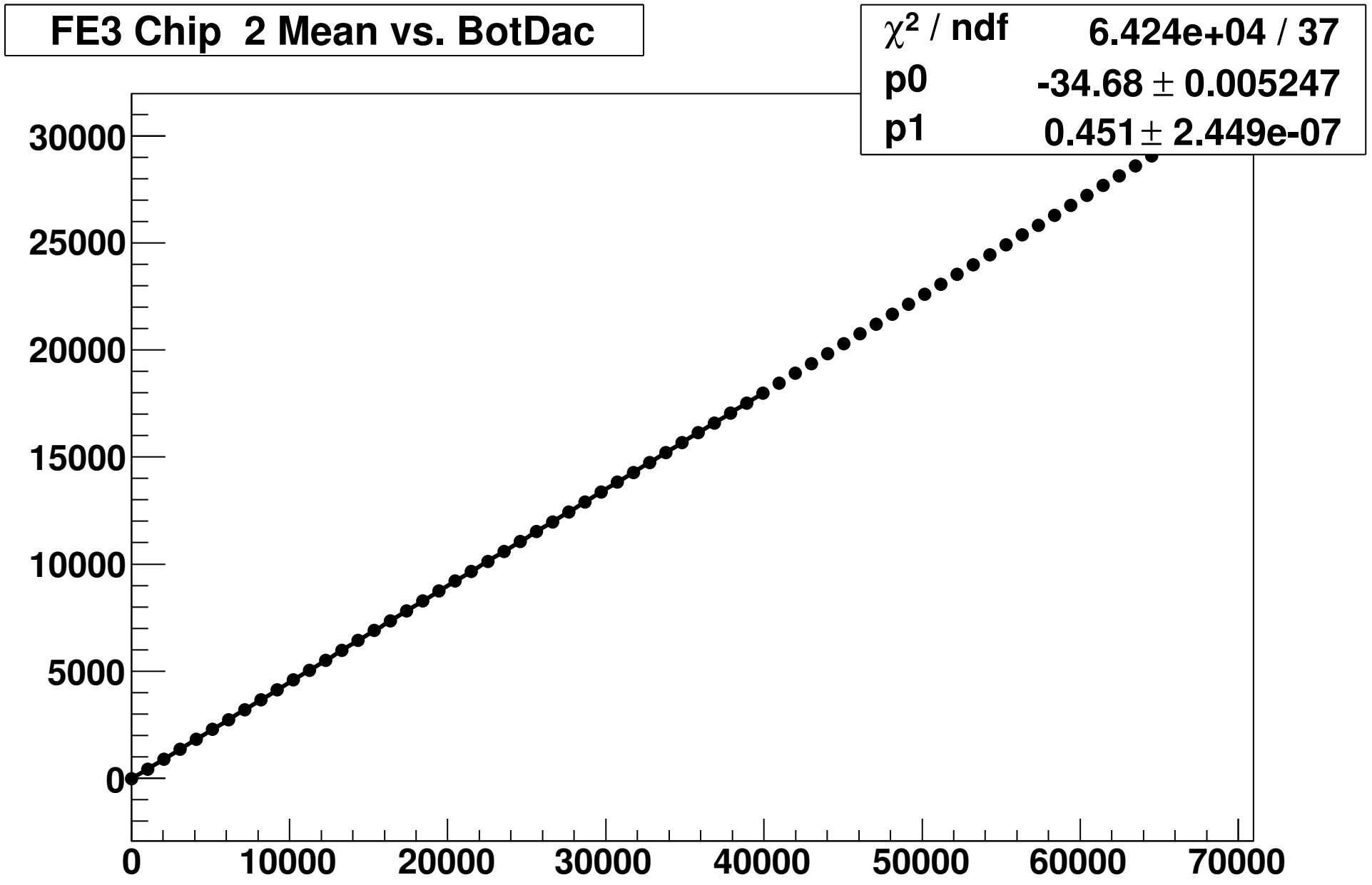

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 35.12 / 37
p0 1.504 ± 0.001811
p1 -1.255e-14 ± 3.782e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

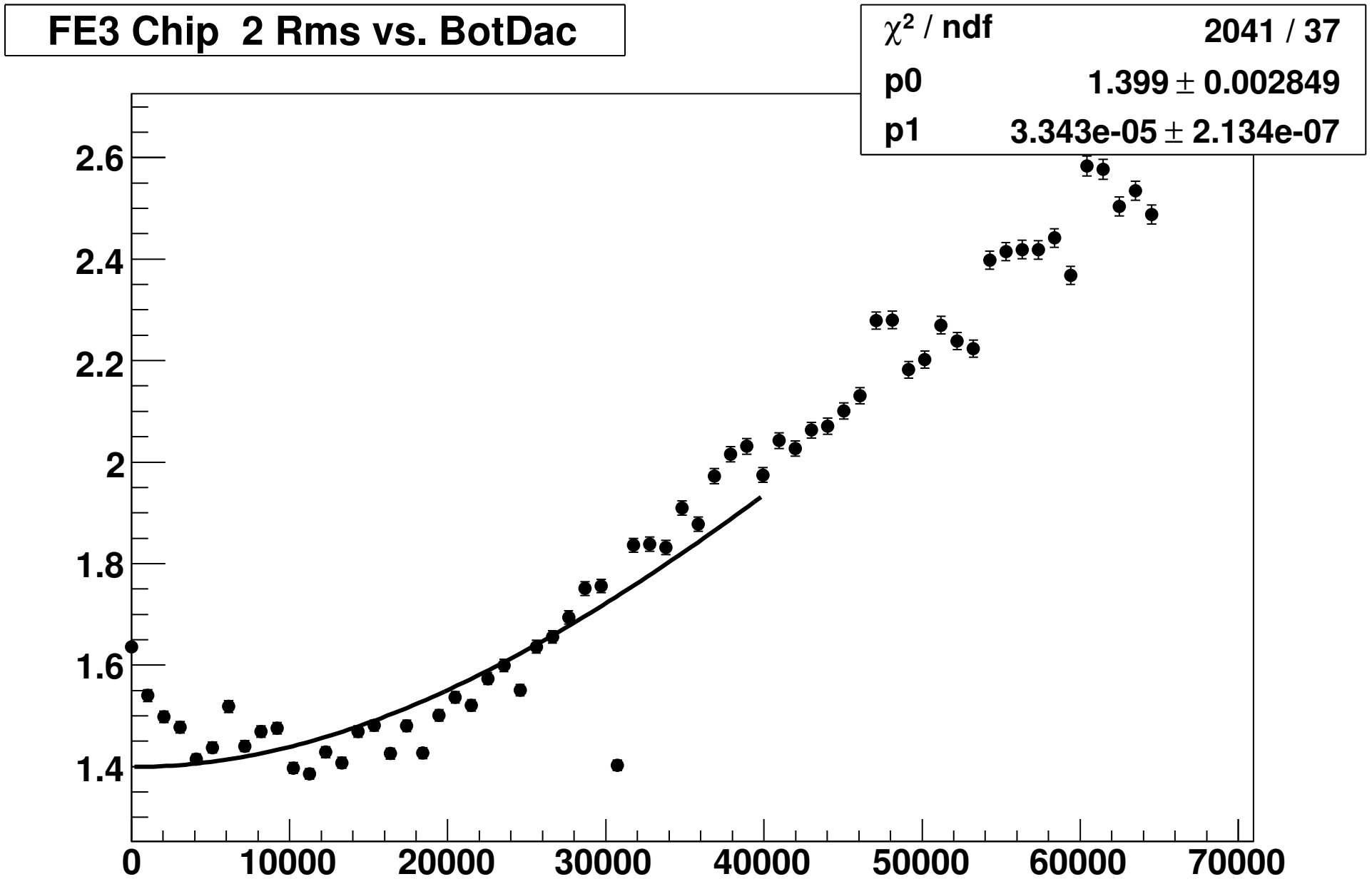

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 9.117e+04 / 37
p0 -42.92 ± 0.005167
p1 0.4505 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

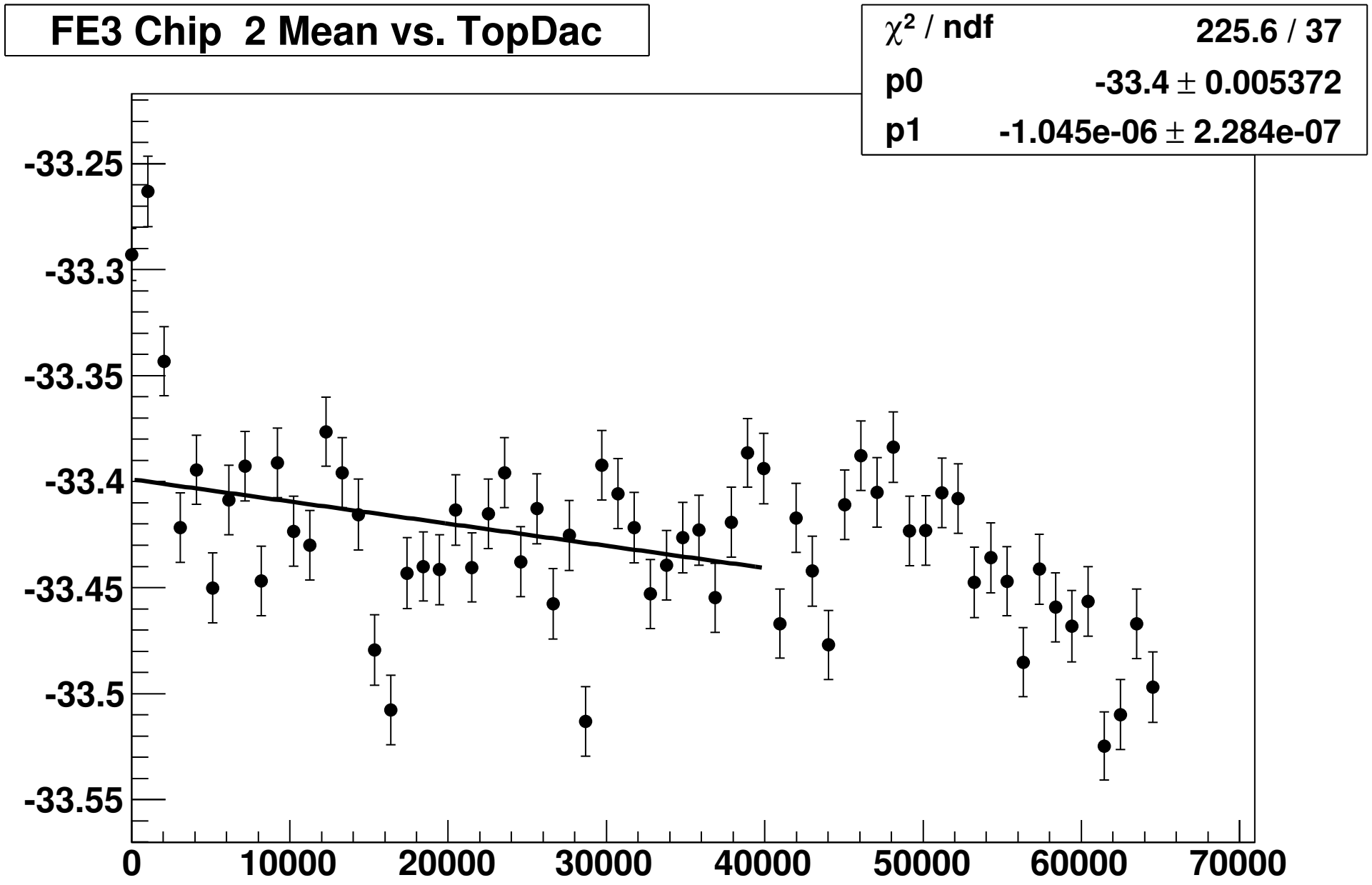

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 1078 / 37
p0 1.372 ± 0.00282
p1 3.467e-05 ± 2.042e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

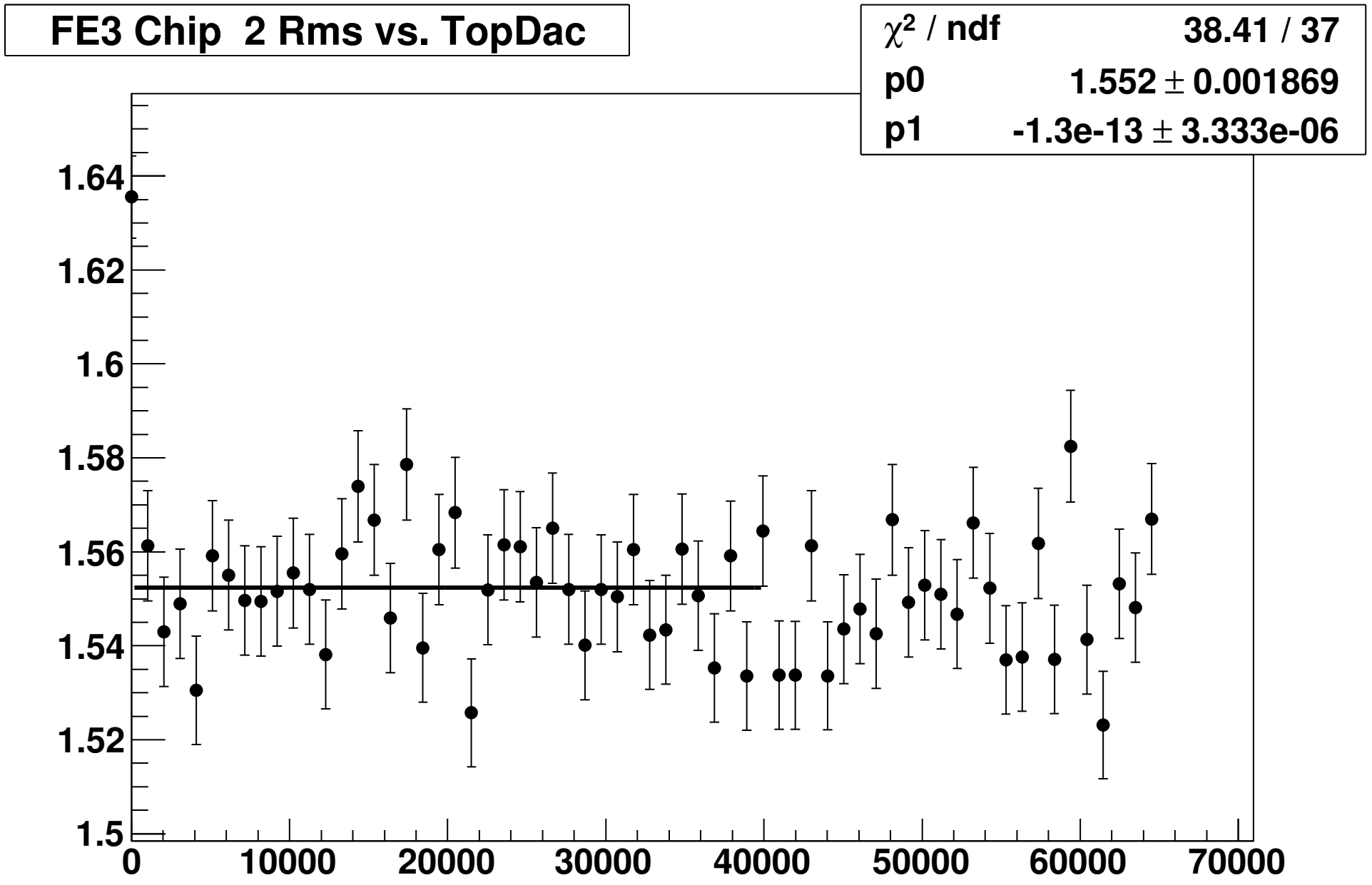

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 201.4 / 37
p0 -40.83 ± 0.00499
p1 -8.671e-07 ± 2.121e-07
-40.7
-40.75
-40.8
-40.85
-40.9
-40.95
0
10000
20000
30000
40000
50000
60000
70000

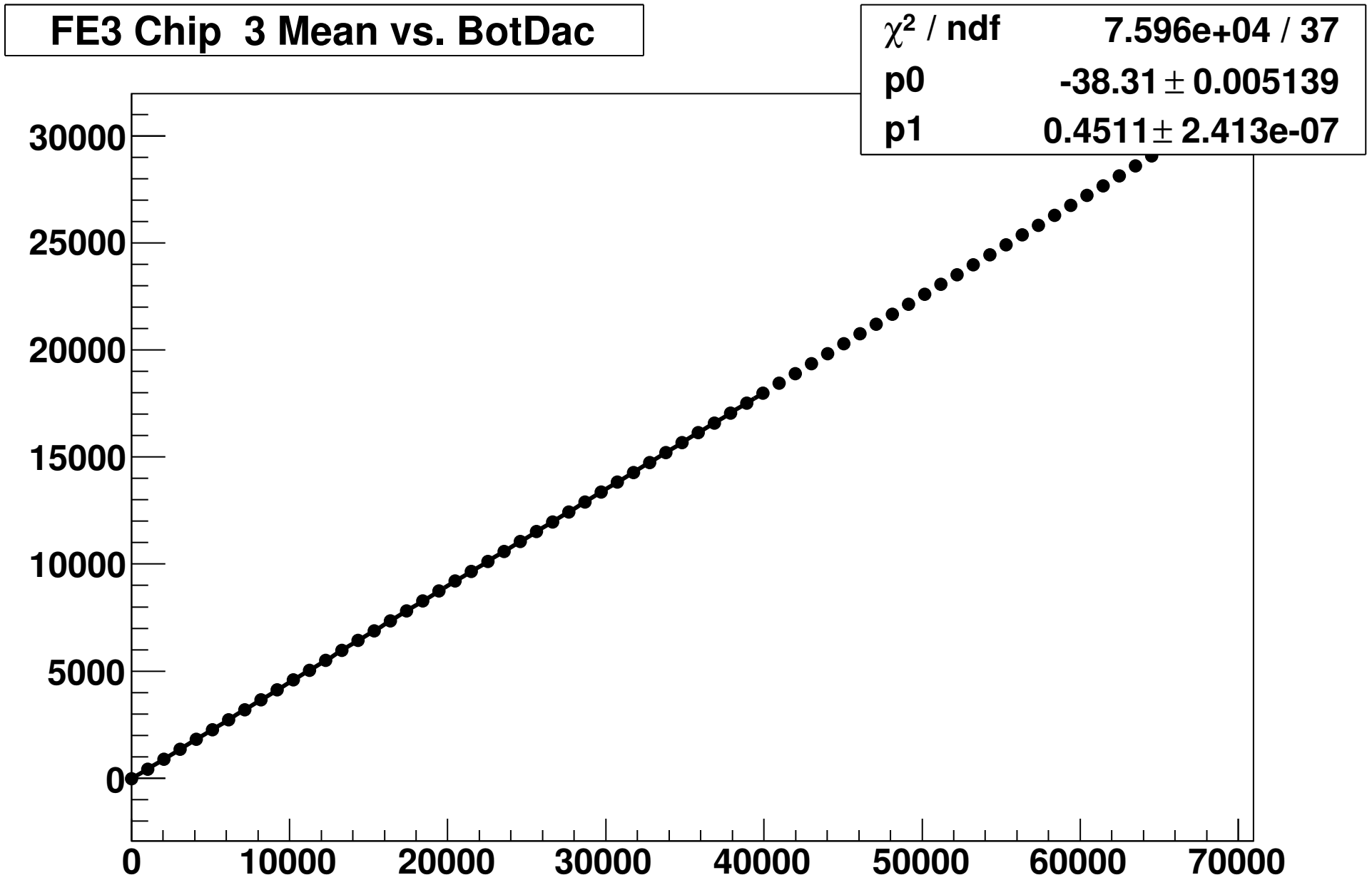

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 52.77 / 37
p0 1.441 ± 0.001736
p1 -2.402e-13 ± 2.51e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

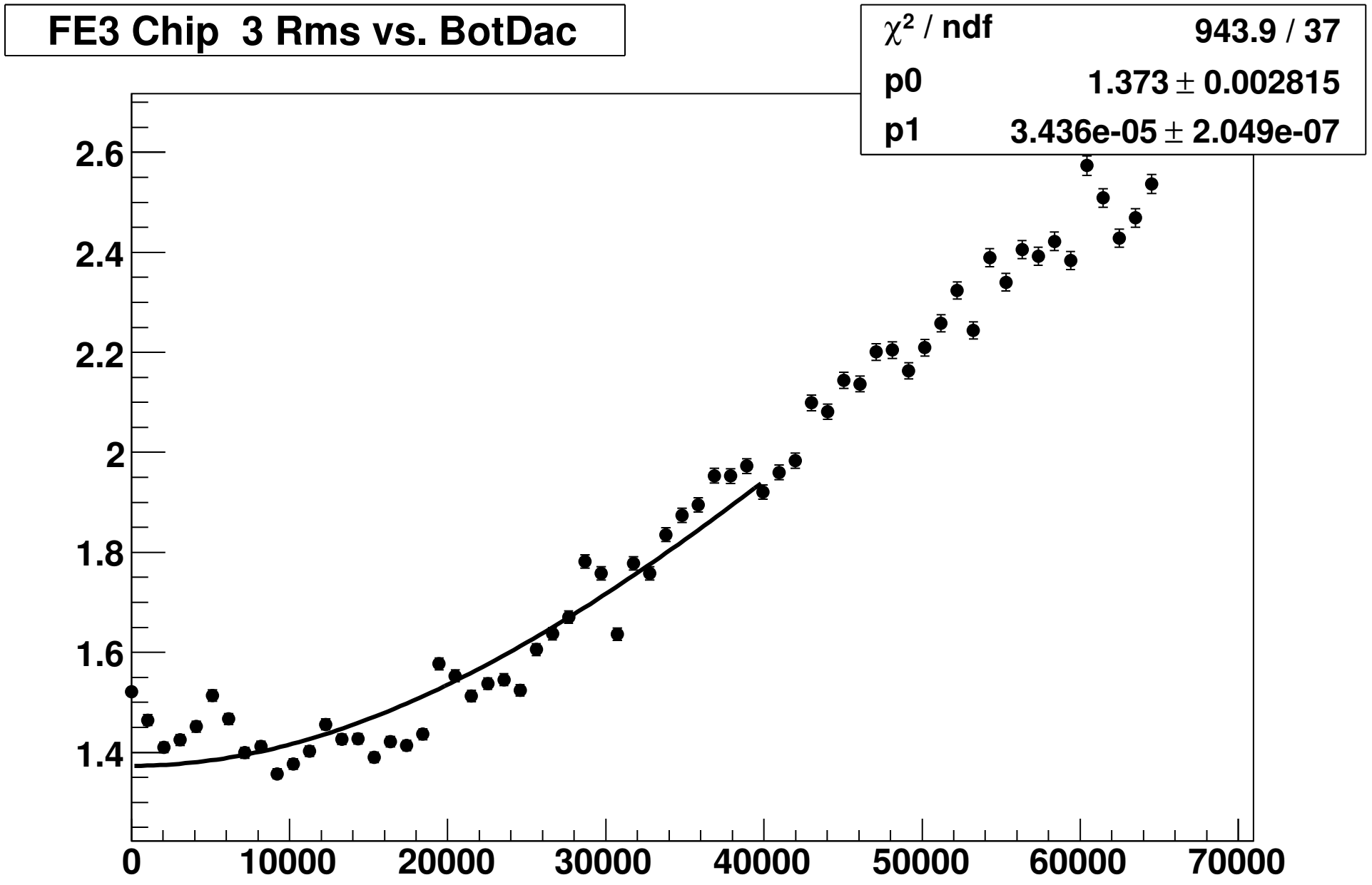

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 6.424e+04 / 37
p0 -34.68 ± 0.005247
p1 0.451 ± 2.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

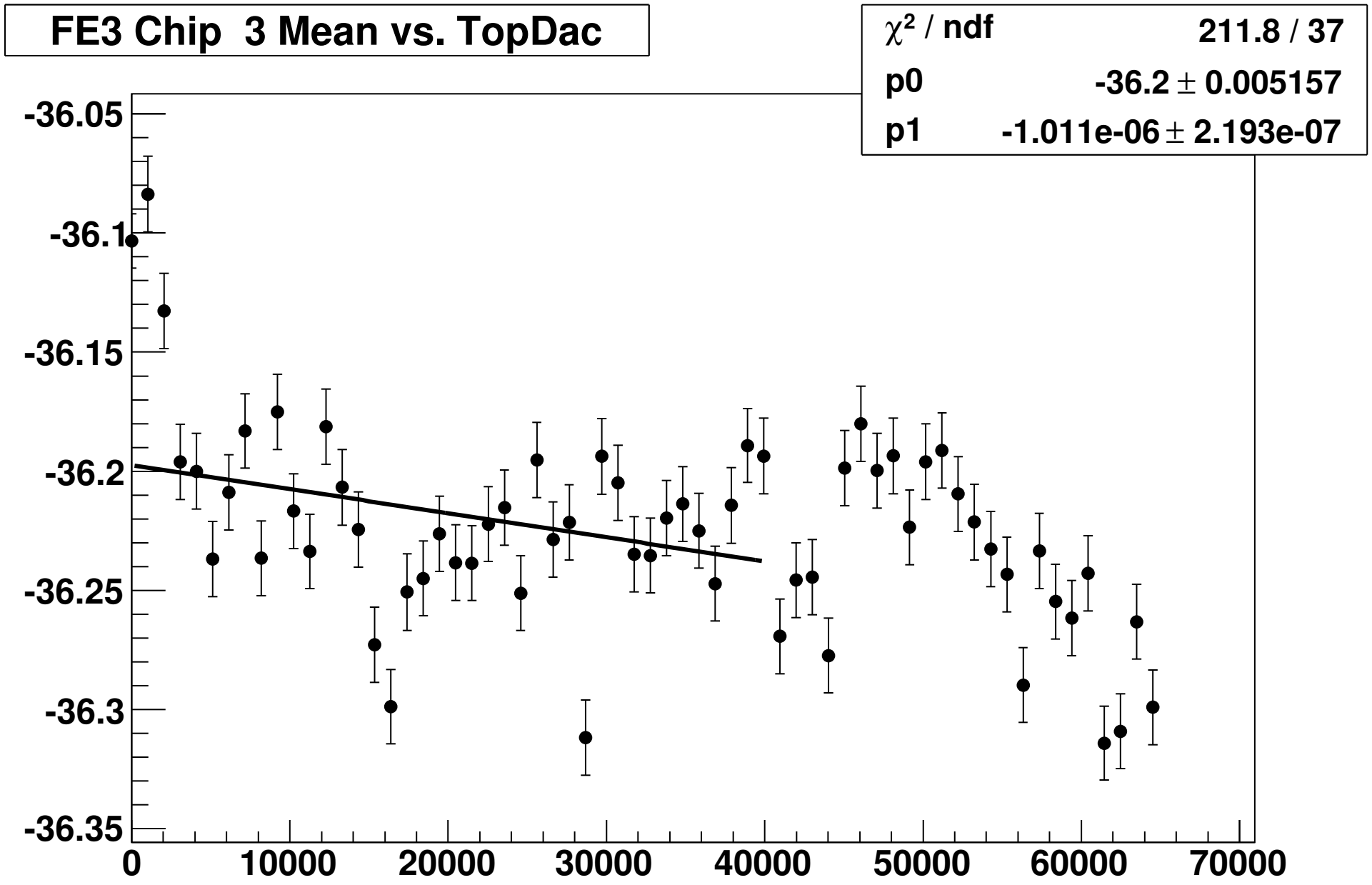

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 2041 / 37
p0 1.399 ± 0.002849
p1 3.343e-05 ± 2.134e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

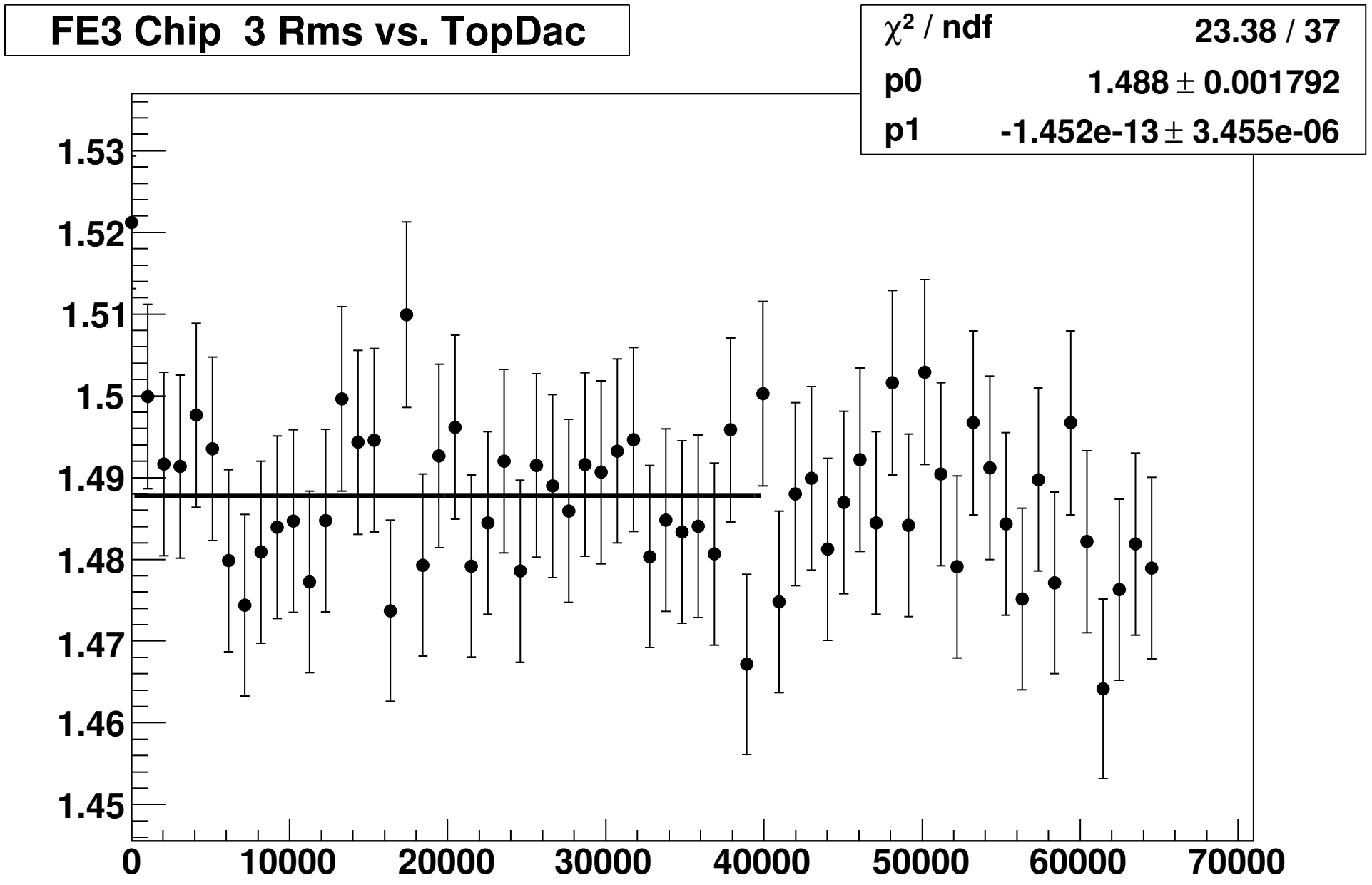

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 225.6 / 37
p0 -33.4 ± 0.005372
p1 -1.045e-06 ± 2.284e-07
-33.25
-33.3
-33.35
-33.4
-33.45
-33.5
-33.55
0
10000
20000
30000
40000
50000
60000
70000

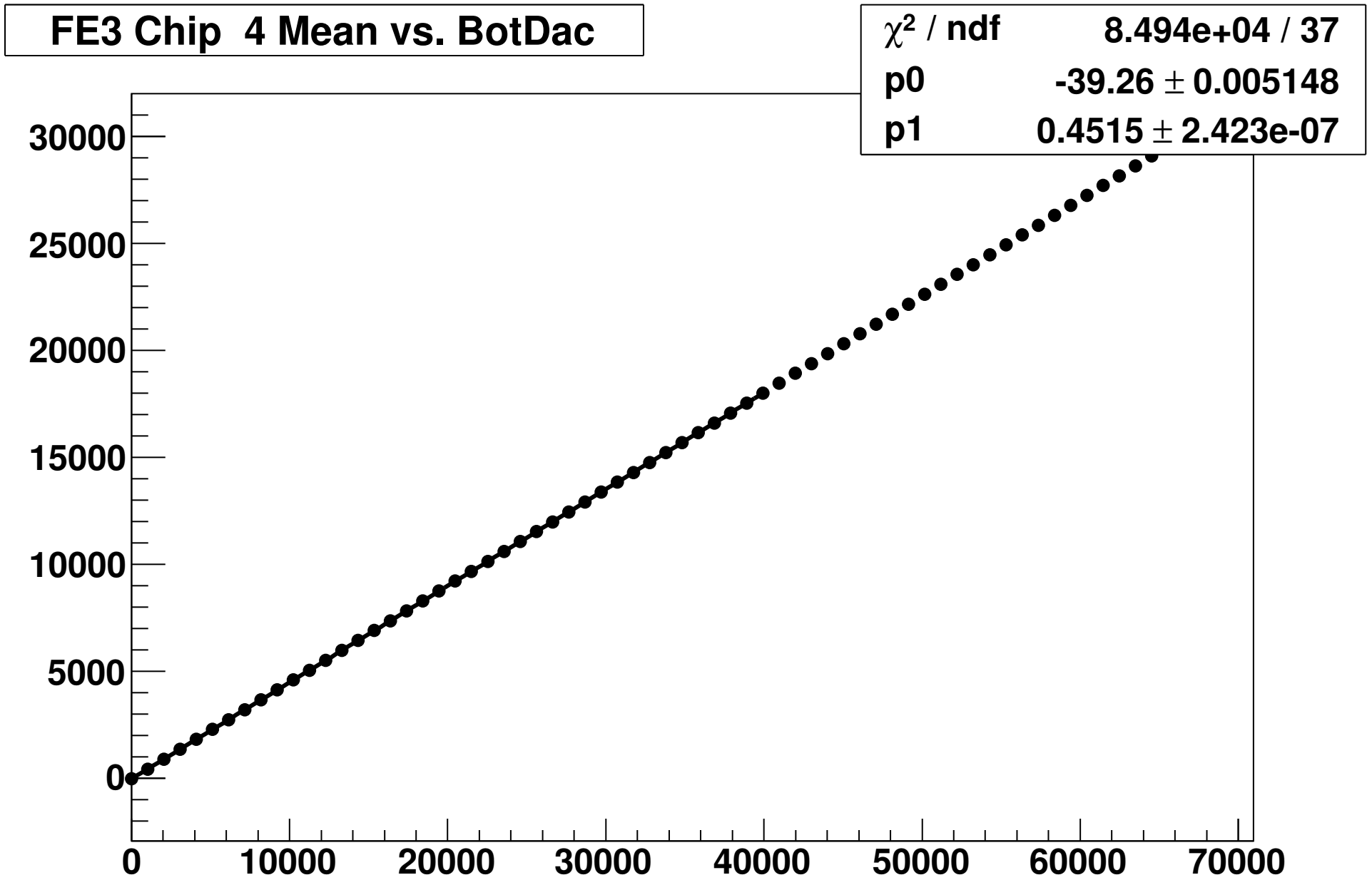

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 38.41 / 37
p0 1.552 ± 0.001869
p1 -1.3e-13 ± 3.333e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

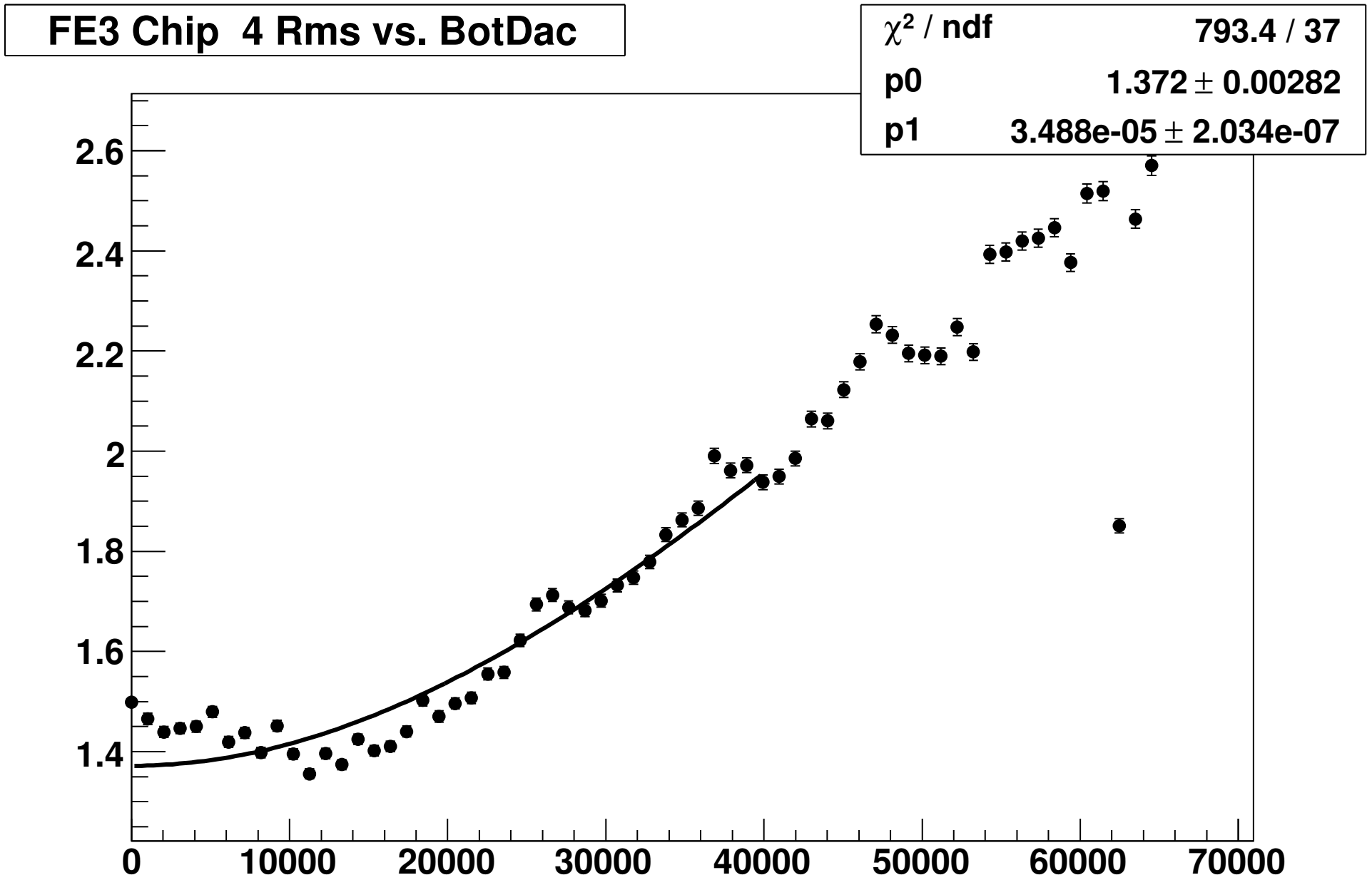

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 7.596e+04 / 37
p0 -38.31 ± 0.005139
p1 0.4511 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 943.9 / 37
p0 1.373 ± 0.002815
p1 3.436e-05 ± 2.049e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 211.8 / 37
p0 -36.2 ± 0.005157
p1 -1.011e-06 ± 2.193e-07
-36.05
-36.1
-36.15
-36.2
-36.25
-36.3
-36.35
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 23.38 / 37
p0 1.488 ± 0.001792
p1 -1.452e-13 ± 3.455e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 8.494e+04 / 37
p0 -39.26 ± 0.005148
p1 0.4515 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 793.4 / 37
p0 1.372 ± 0.00282
p1 3.488e-05 ± 2.034e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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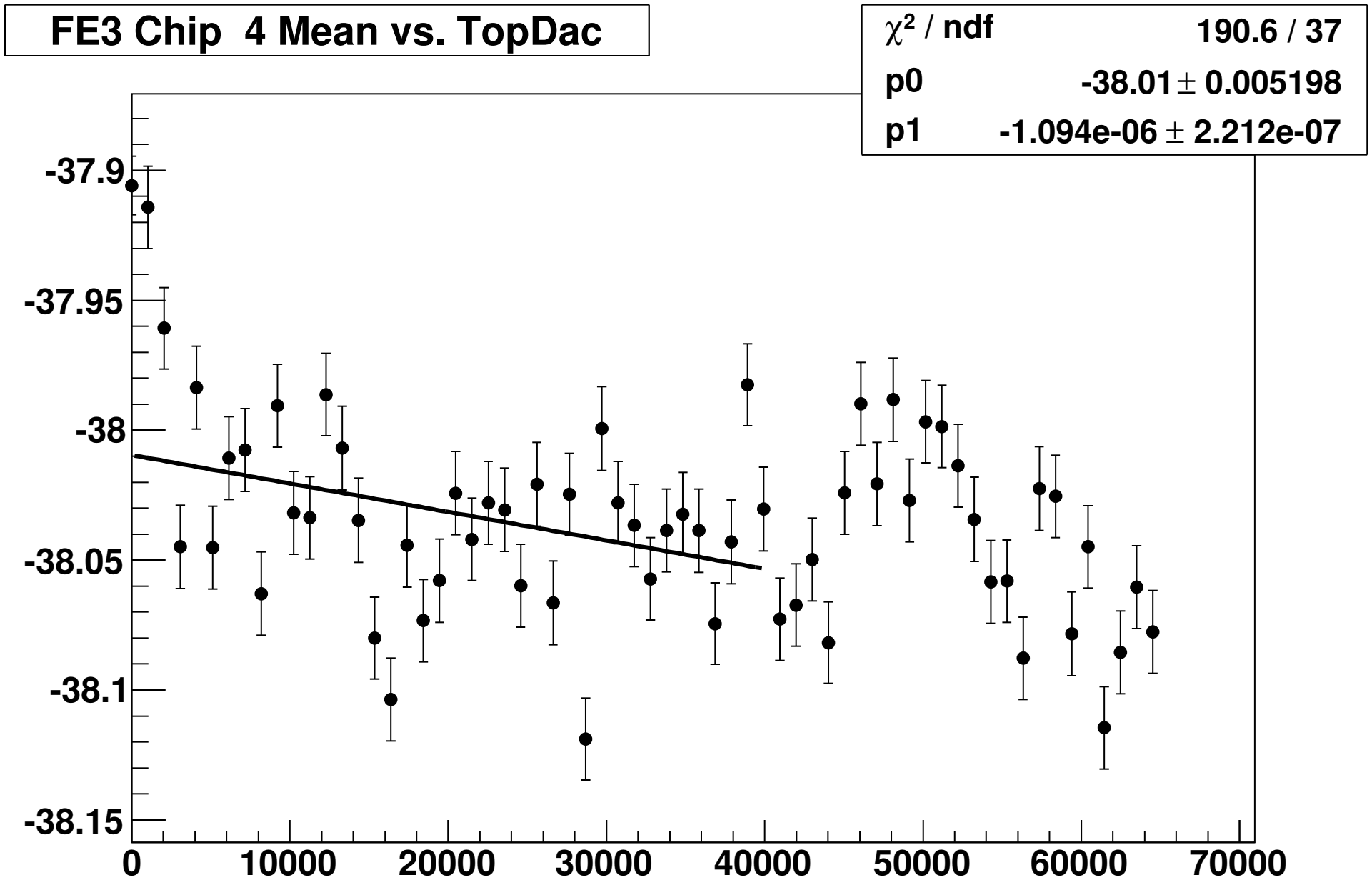
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 190.6 / 37
p0 -38.01 ± 0.005198
p1 -1.094e-06 ± 2.212e-07
-37.9
-37.95
-38
-38.05
-38.1
-38.15
0
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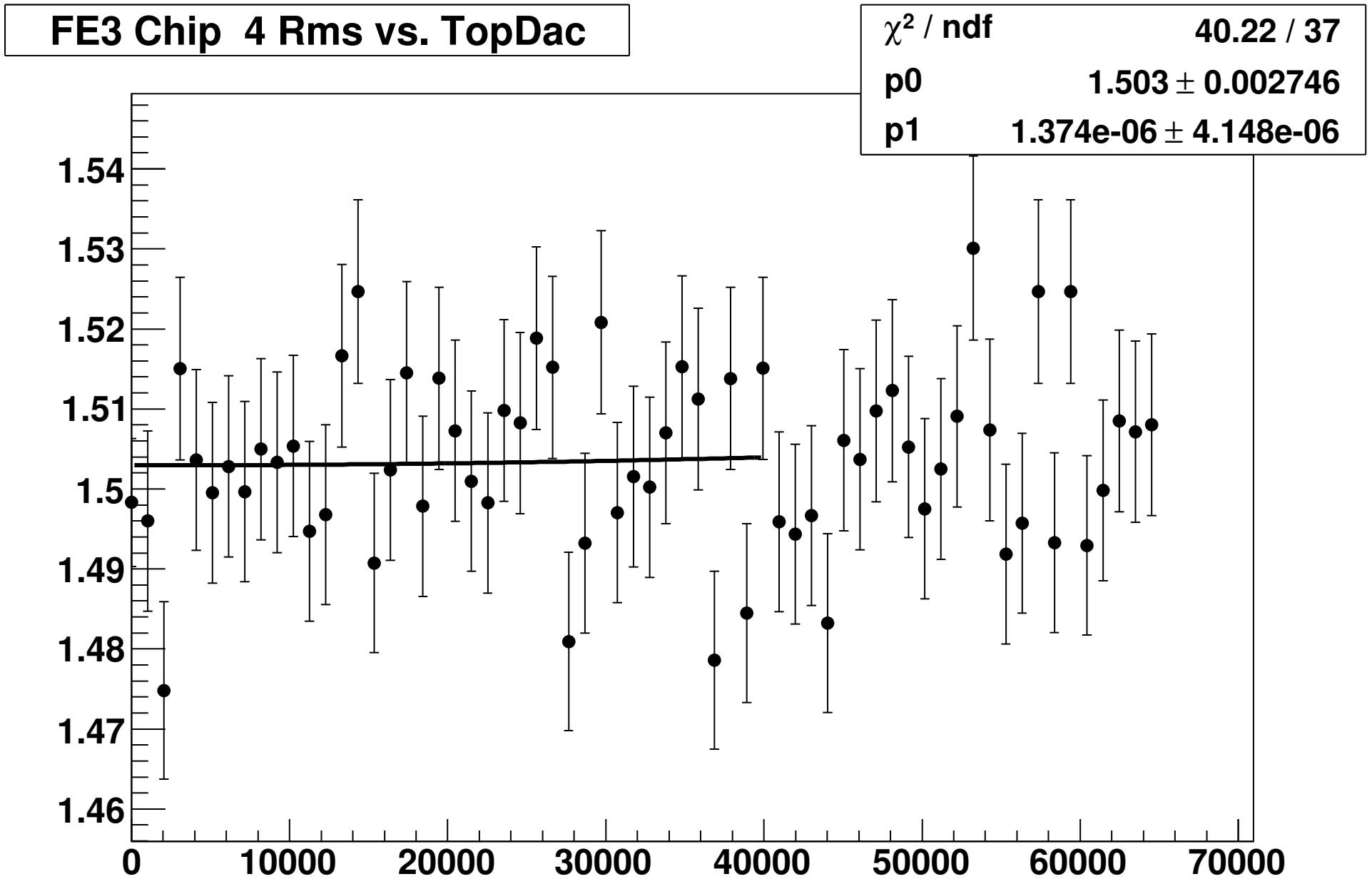
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 40.22 / 37
p0 1.503 ± 0.002746
p1 1.374e-06 ± 4.148e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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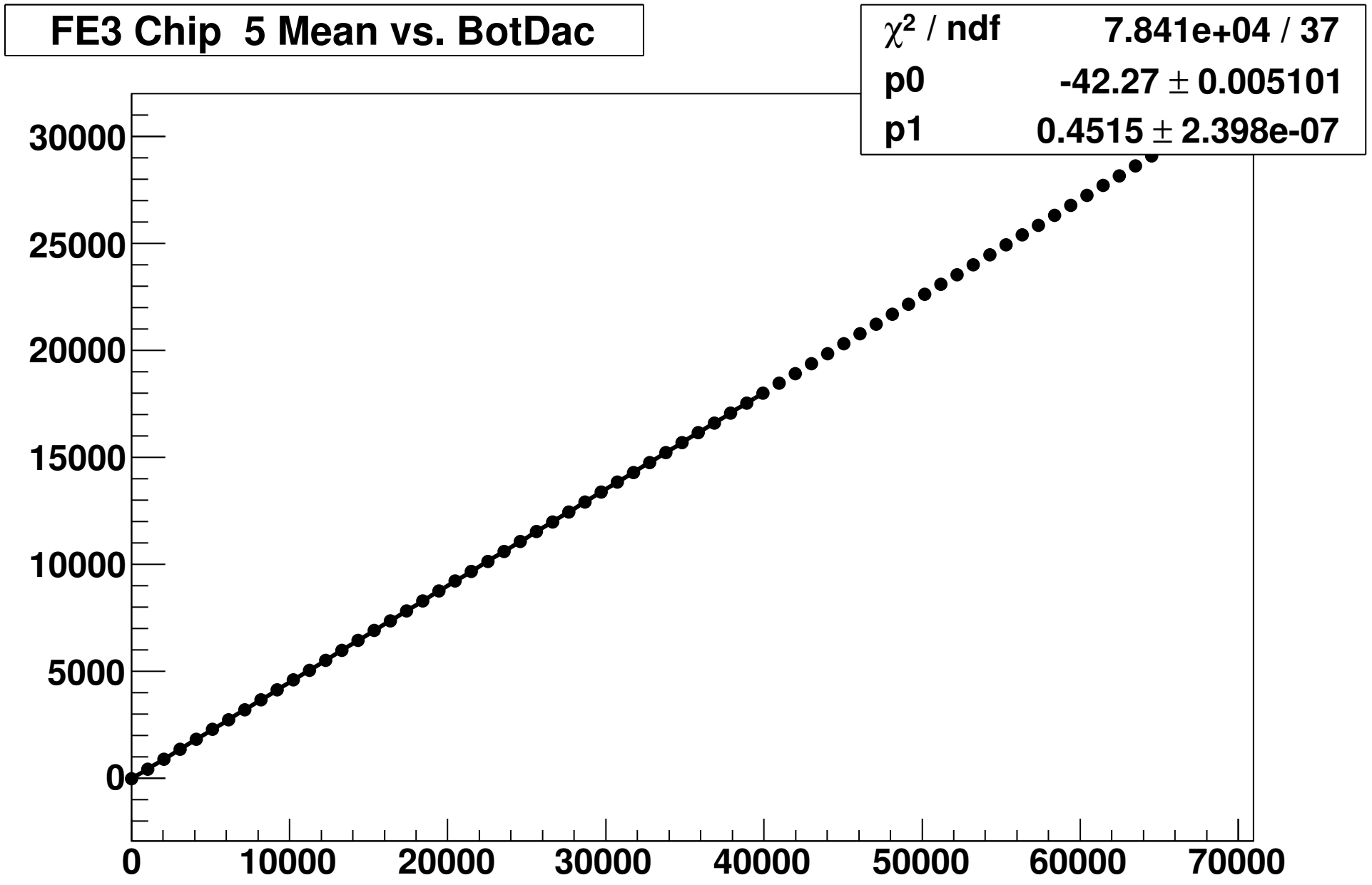
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 7.841e+04 / 37
p0 -42.27 ± 0.005101
p1 0.4515 ± 2.398e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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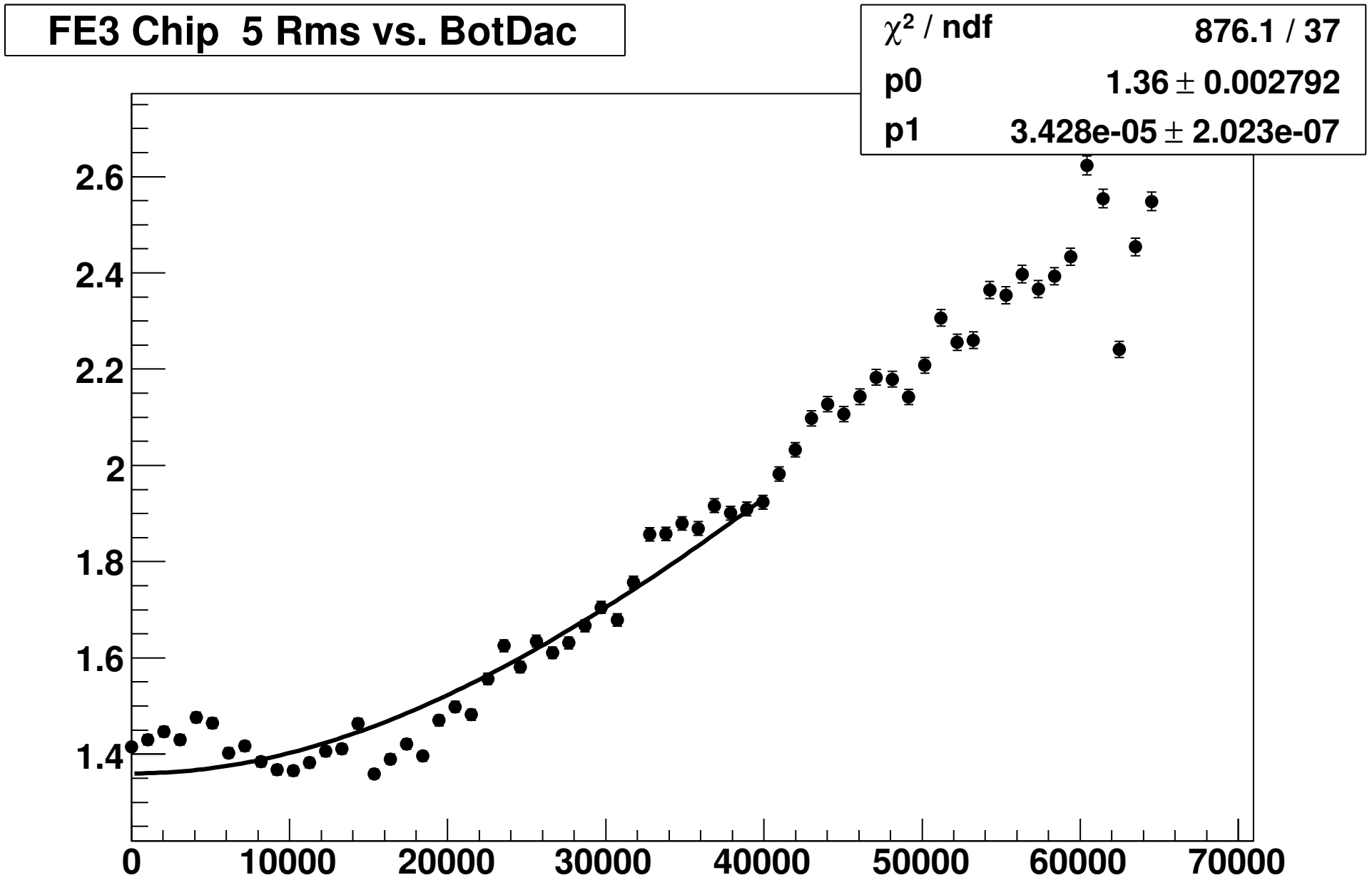
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 876.1 / 37
p0 1.36 ± 0.002792
p1 3.428e-05 ± 2.023e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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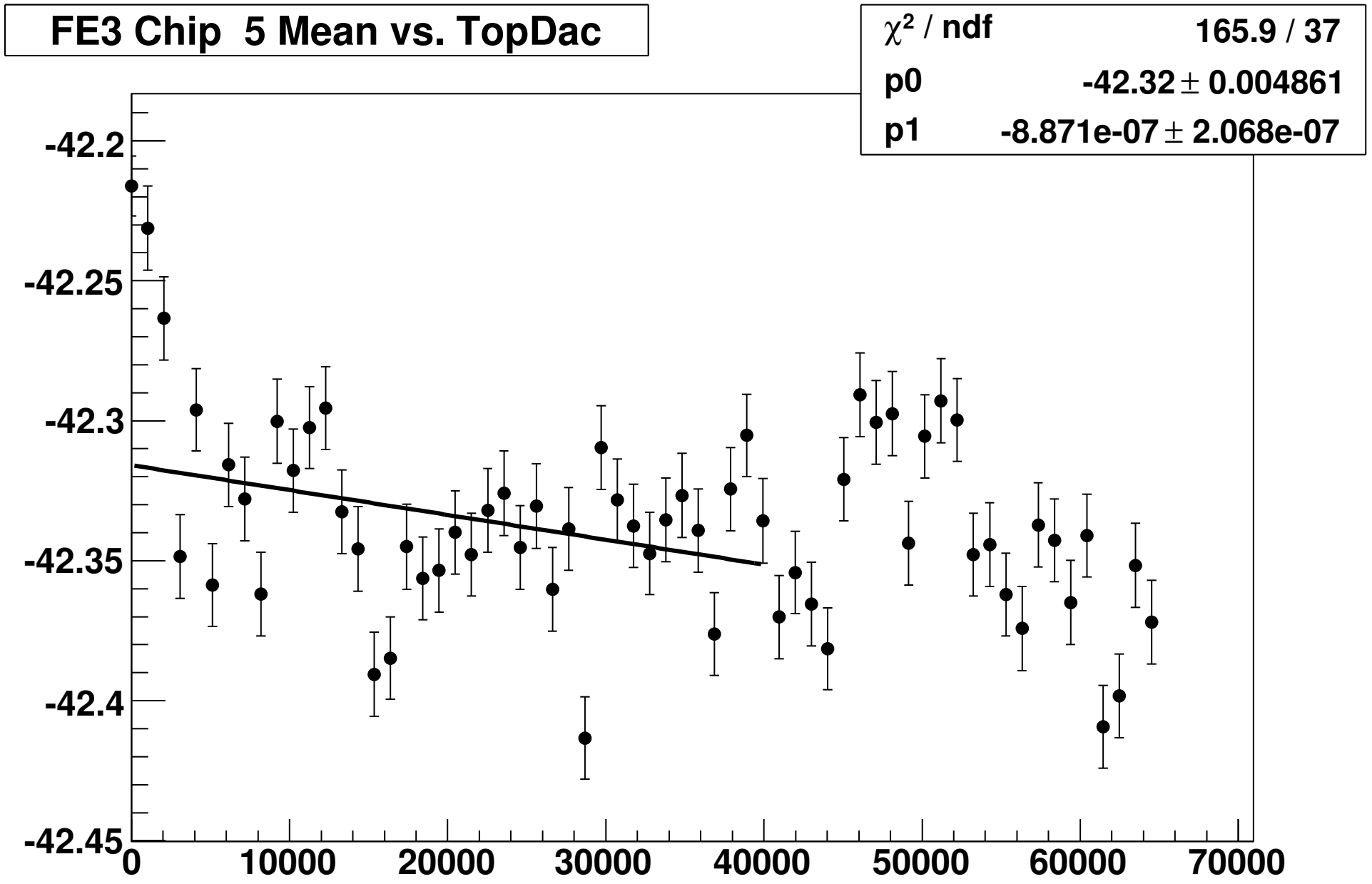
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 165.9 / 37
p0 -42.32 ± 0.004861
p1 -8.871e-07 ± 2.068e-07
-42.2
-42.25
-42.3
-42.35
-42.4
-42.45
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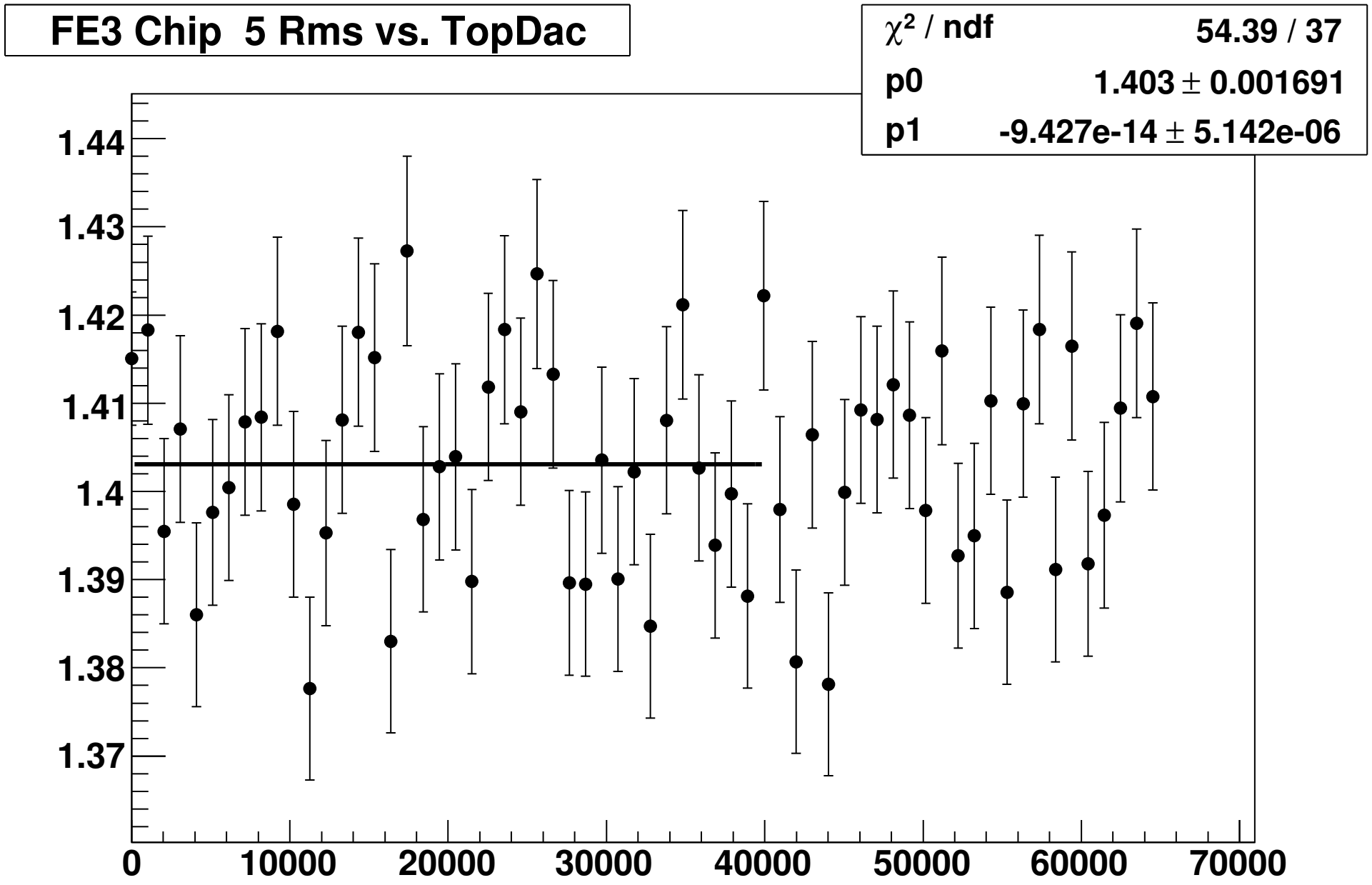
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 54.39 / 37
p0 1.403 ± 0.001691
p1 -9.427e-14 ± 5.142e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
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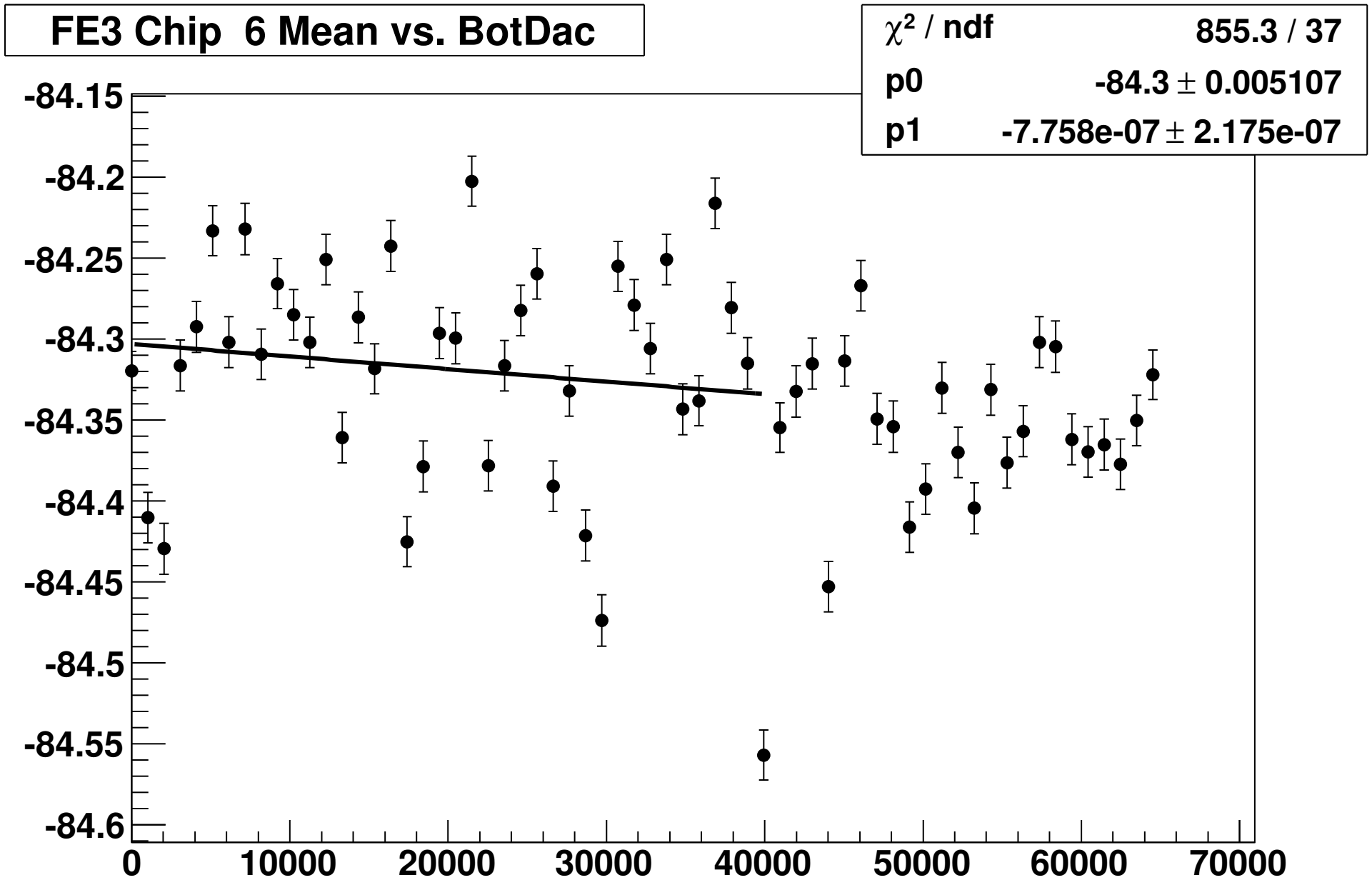
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 855.3 / 37
p0 -84.3 ± 0.005107
p1 -7.758e-07 ± 2.175e-07
-84.15
-84.2
-84.25
-84.3
-84.35
-84.4
-84.45
-84.5
-84.55
-84.6
0
10000
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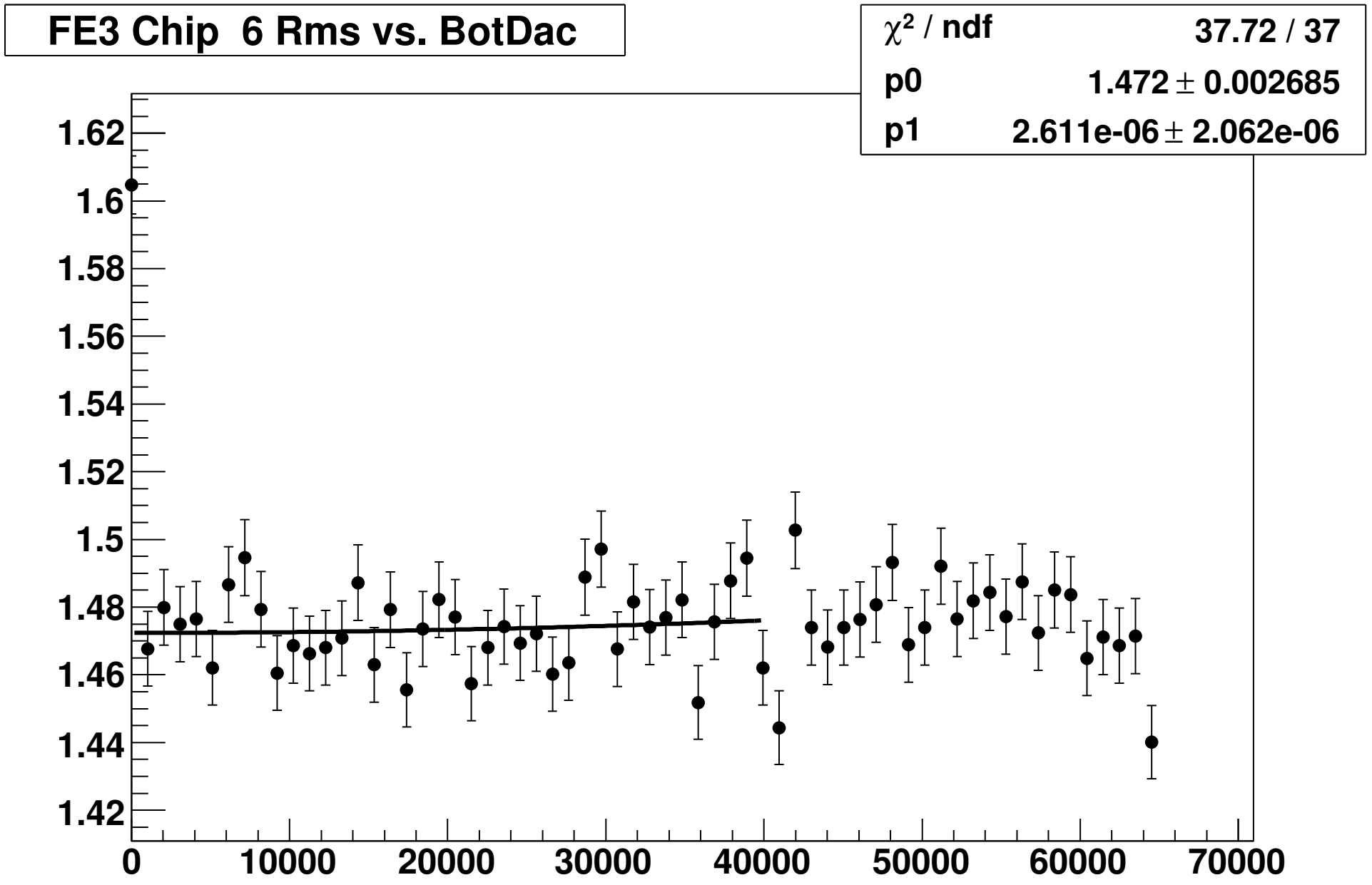
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 37.72 / 37
p0 1.472 ± 0.002685
p1 2.611e-06 ± 2.062e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
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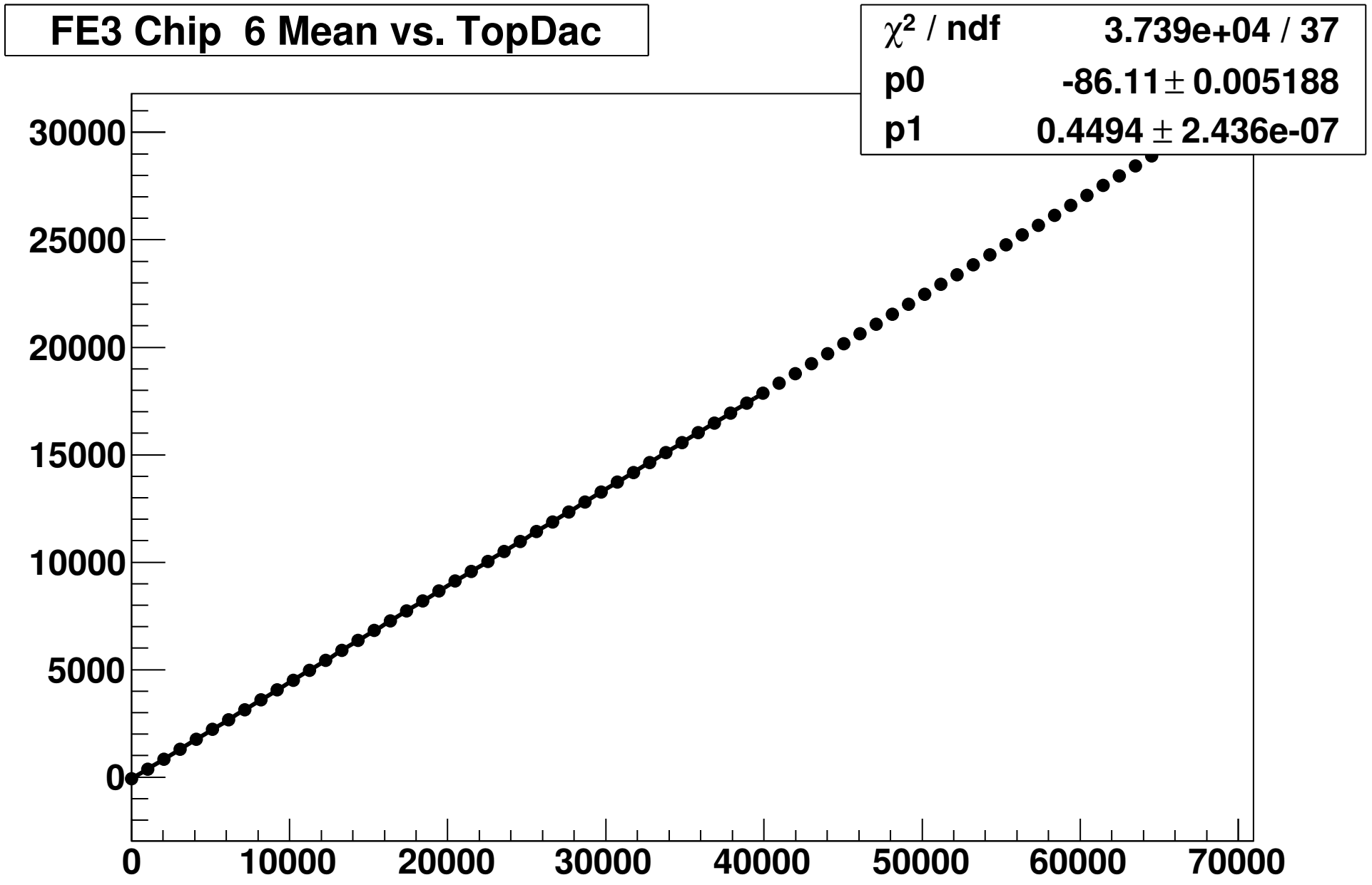
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 3.739e+04 / 37
p0 -86.11 ± 0.005188
p1 0.4494 ± 2.436e-07
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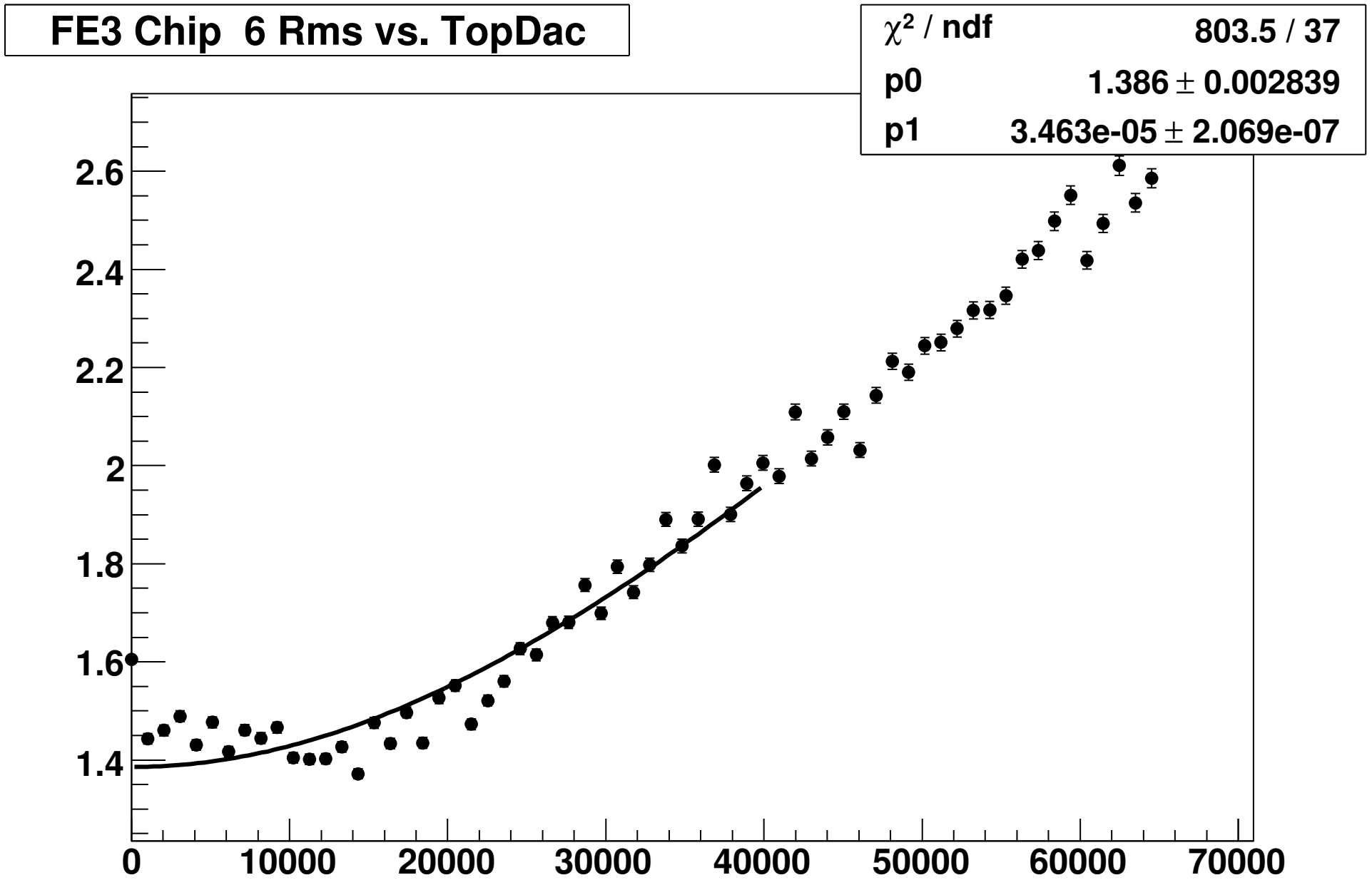
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 803.5 / 37
p0 1.386 ± 0.002839
p1 3.463e-05 ± 2.069e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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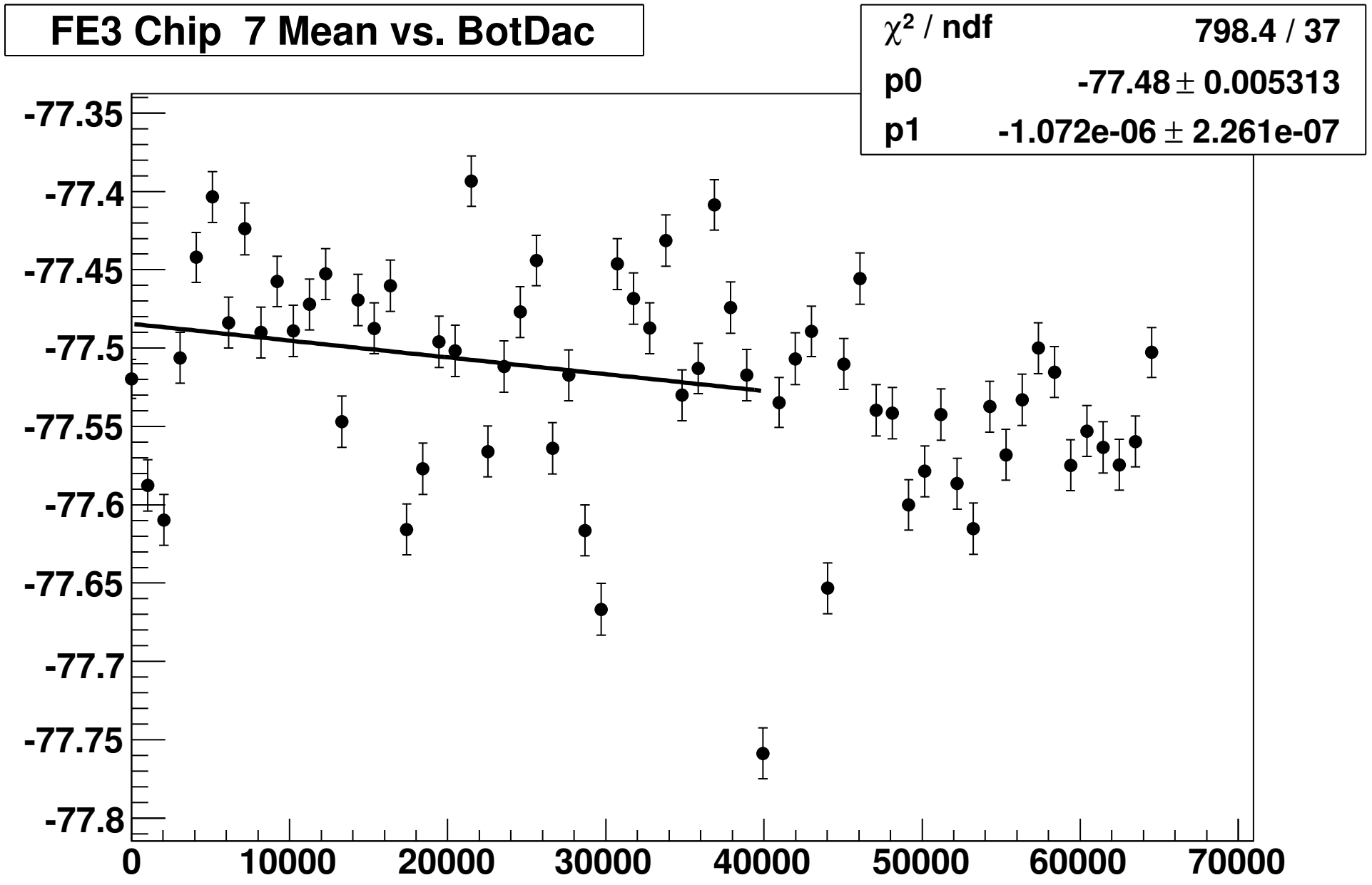
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 798.4 / 37
p0 -77.48 ± 0.005313
p1 -1.072e-06 ± 2.261e-07
-77.35
-77.4
-77.45
-77.5
-77.55
-77.6
-77.65
-77.7
-77.75
-77.8
0
10000
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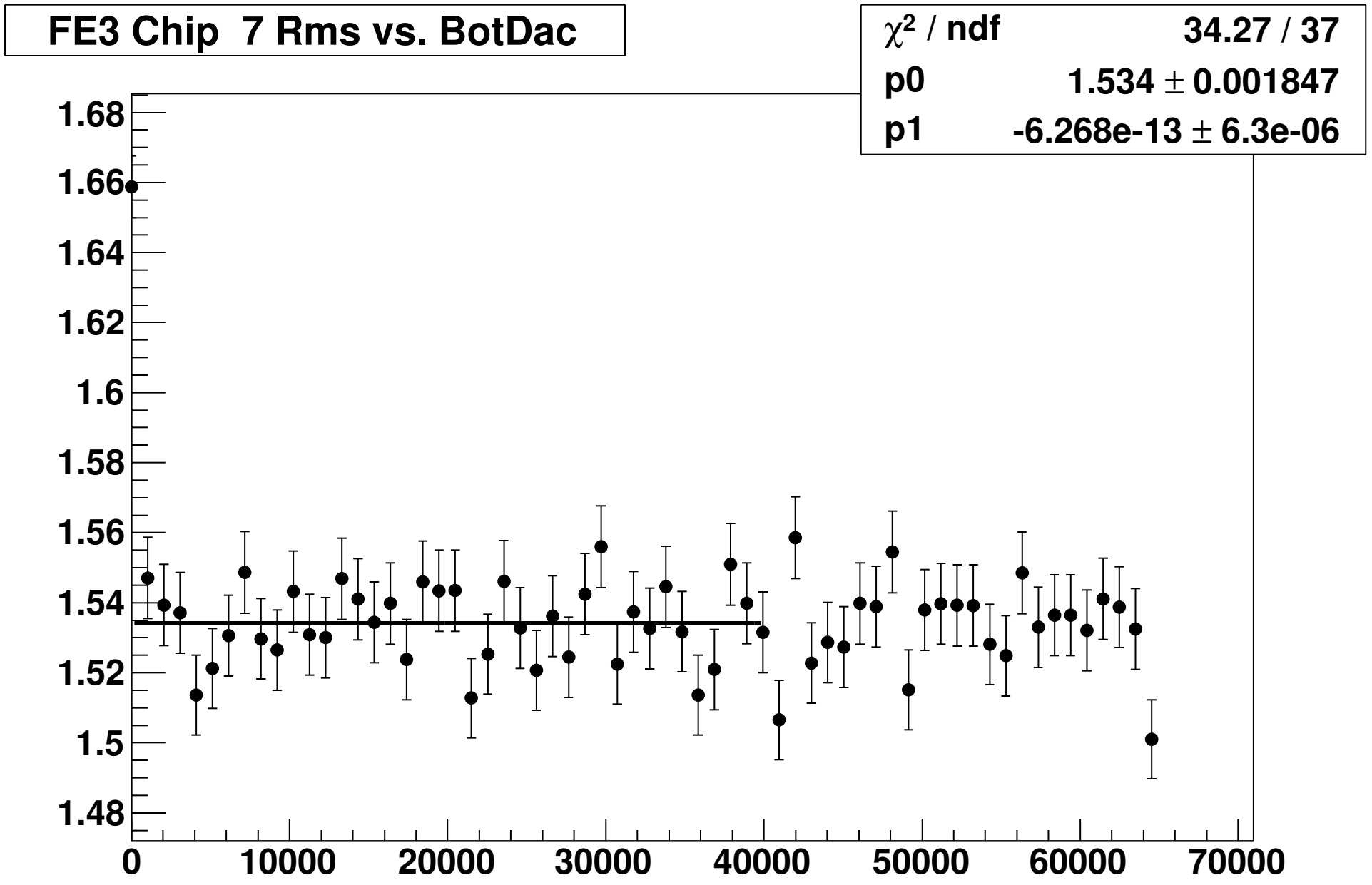
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 34.27 / 37
p0 1.534 ± 0.001847
p1 -6.268e-13 ± 6.3e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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50000
60000
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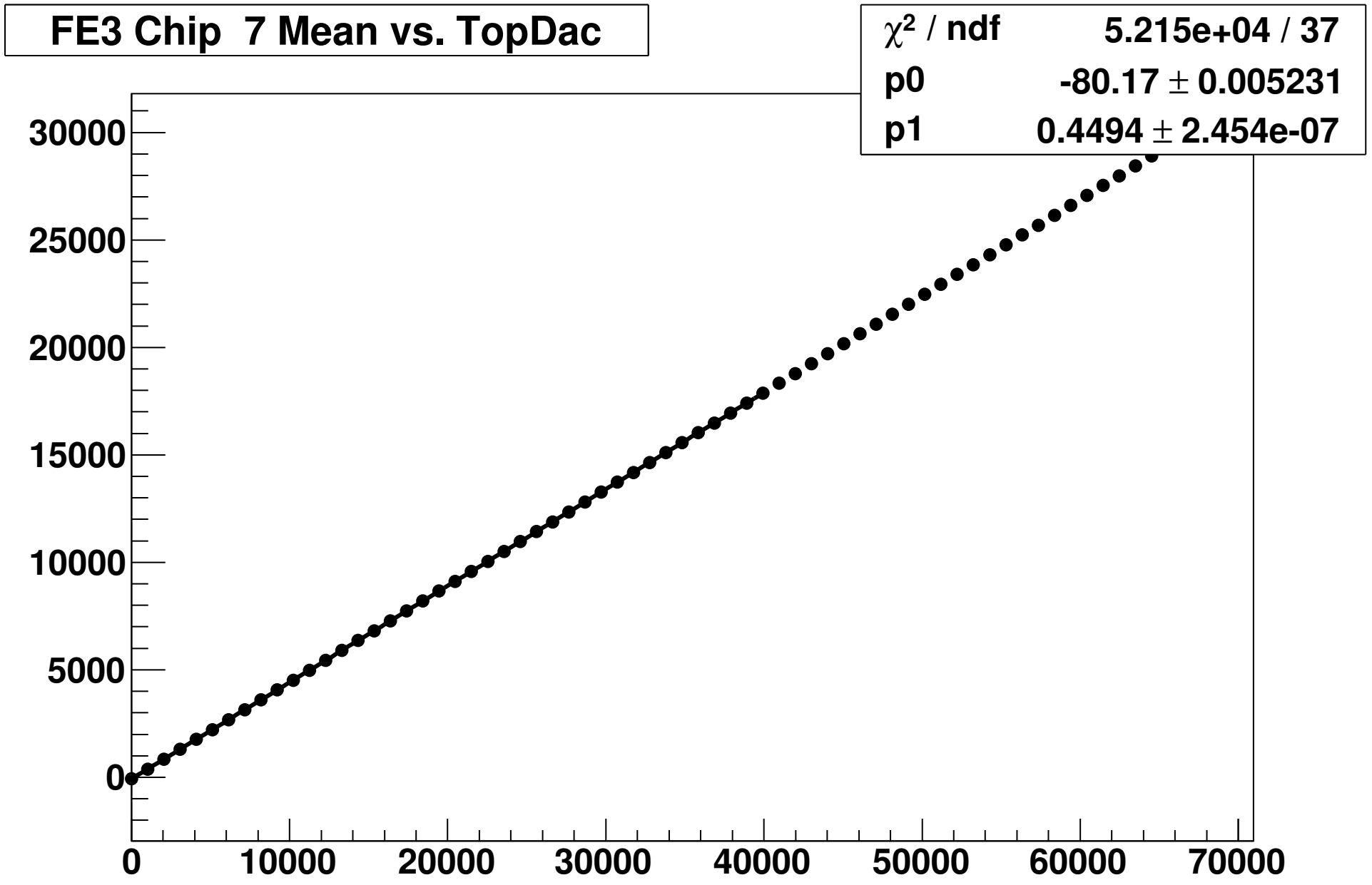
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 5.215e+04 / 37
p0 -80.17 ± 0.005231
p1 0.4494 ± 2.454e-07
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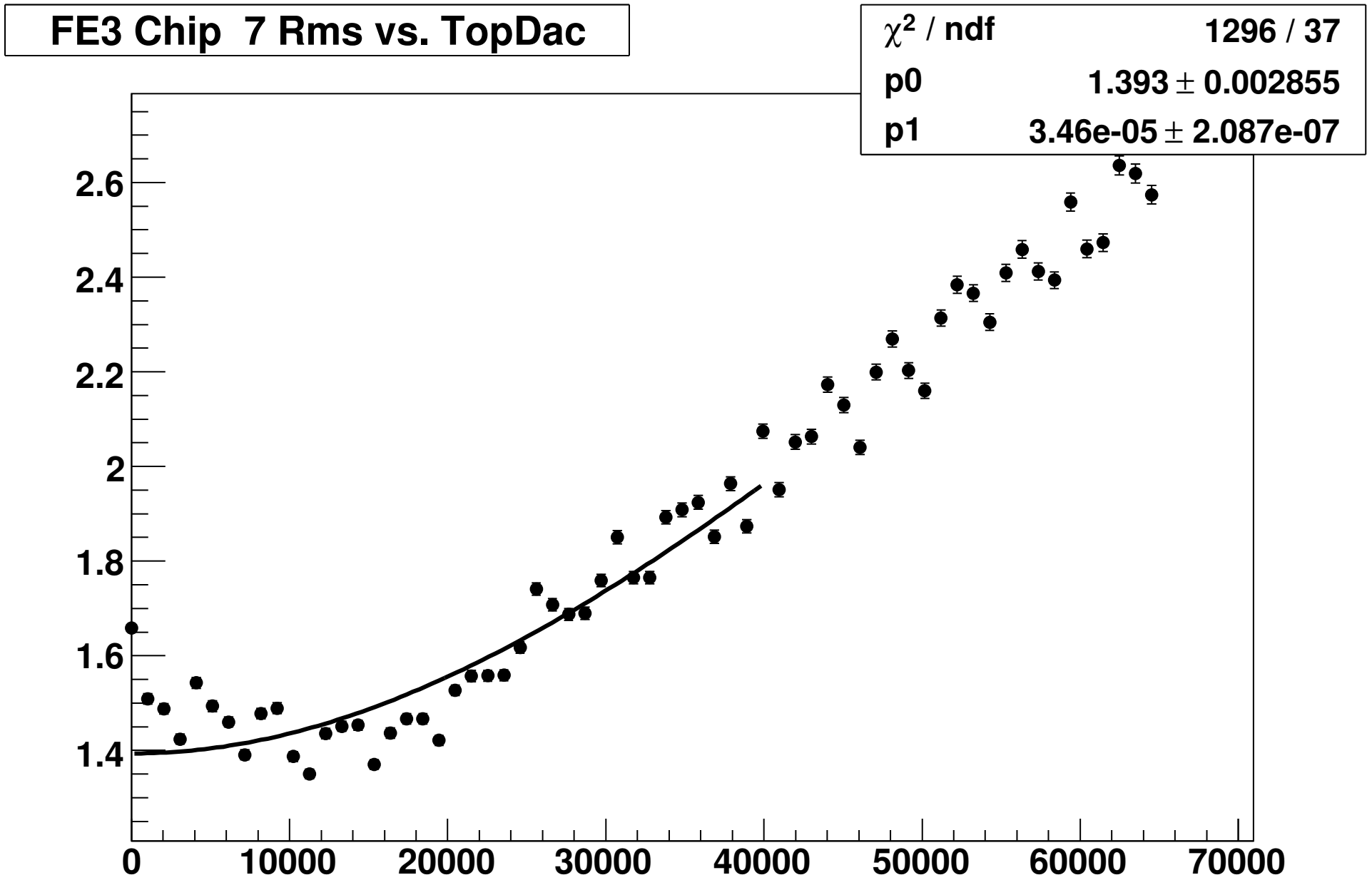
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1296 / 37
p0 1.393 ± 0.002855
p1 3.46e-05 ± 2.087e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
50000
60000
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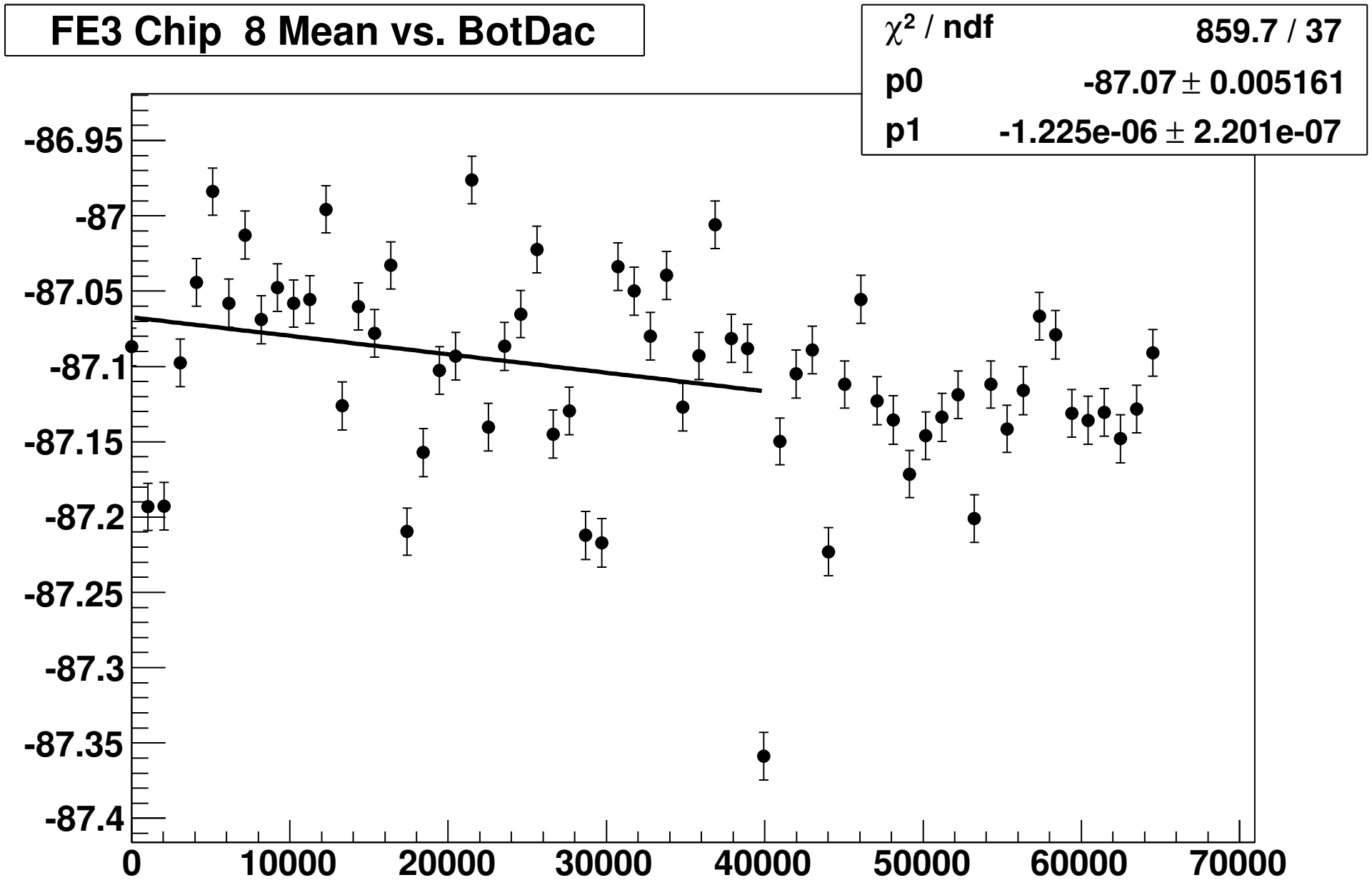
FE3 Chip 8 Mean vs. BotDac
χ² / ndf 859.7 / 37
p0 -87.07 ± 0.005161
p1 -1.225e-06 ± 2.201e-07
-86.95
-87
-87.05
-87.1
-87.15
-87.2
-87.25
-87.3
-87.35
-87.4
0
10000
20000
30000
40000
50000
60000
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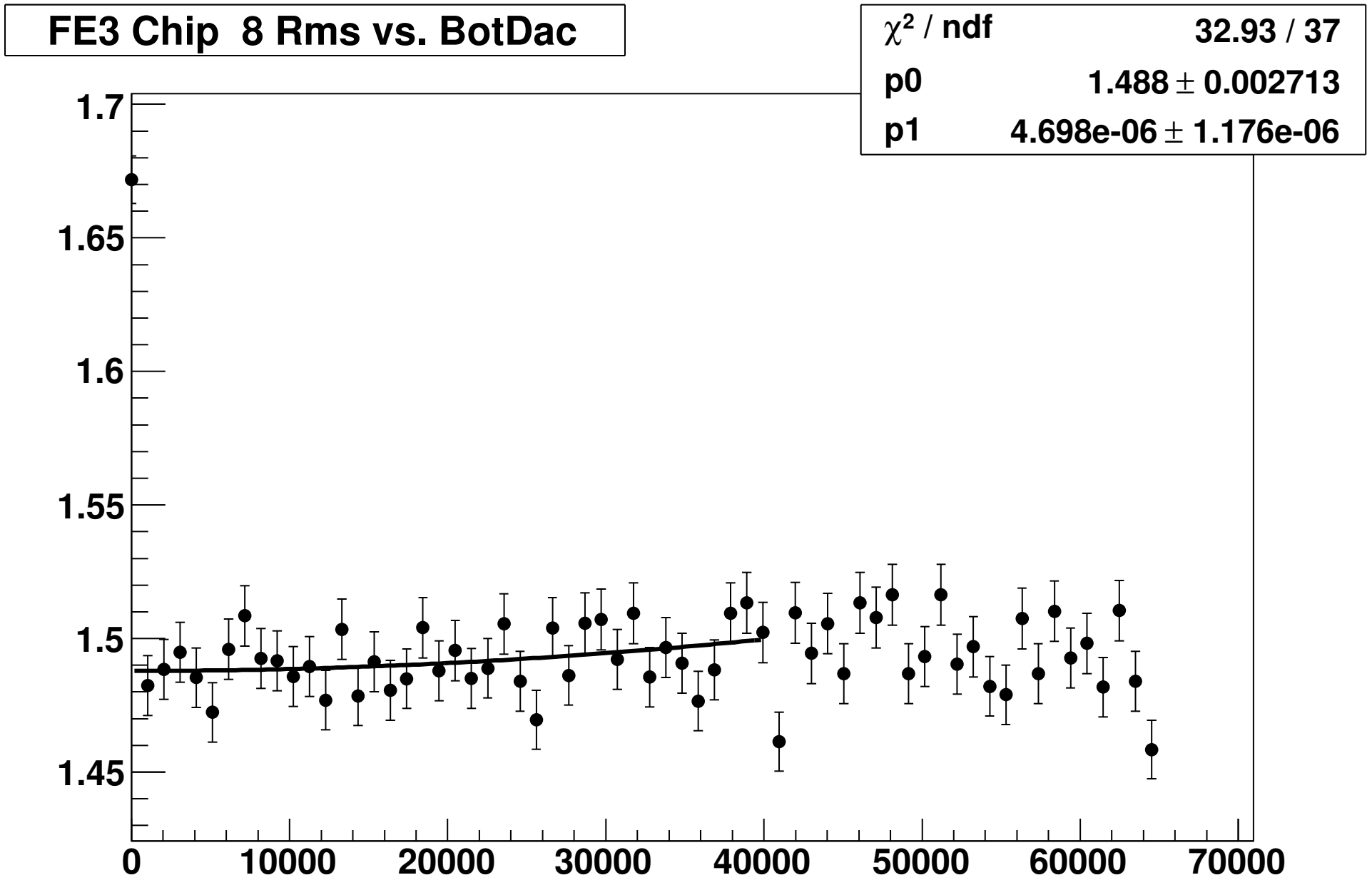
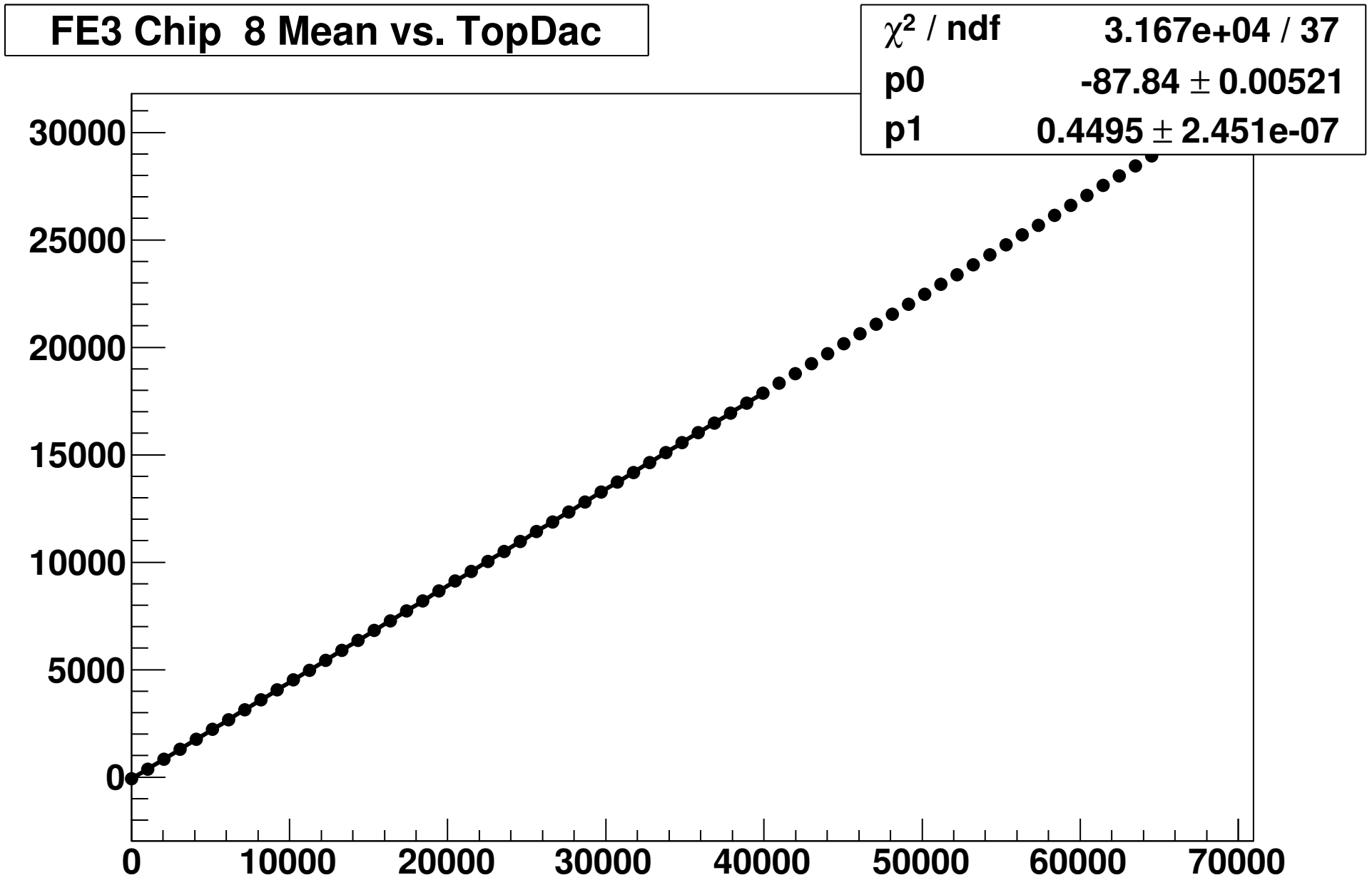

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 32.93 / 37
p0 1.488 ± 0.002713
p1 4.698e-06 ± 1.176e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 3.167e+04 / 37
p0 -87.84 ± 0.00521
p1 0.4495 ± 2.451e-07
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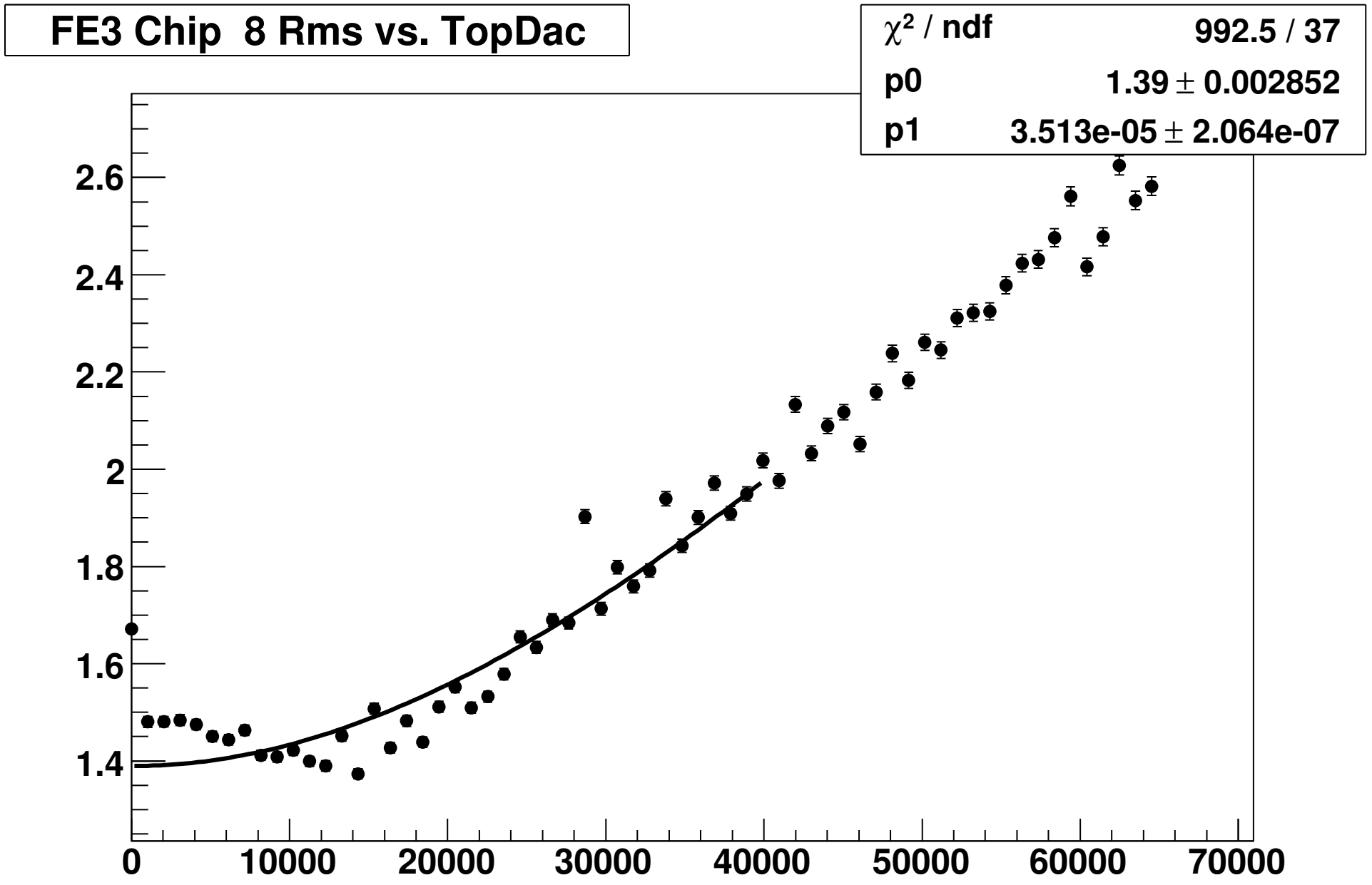
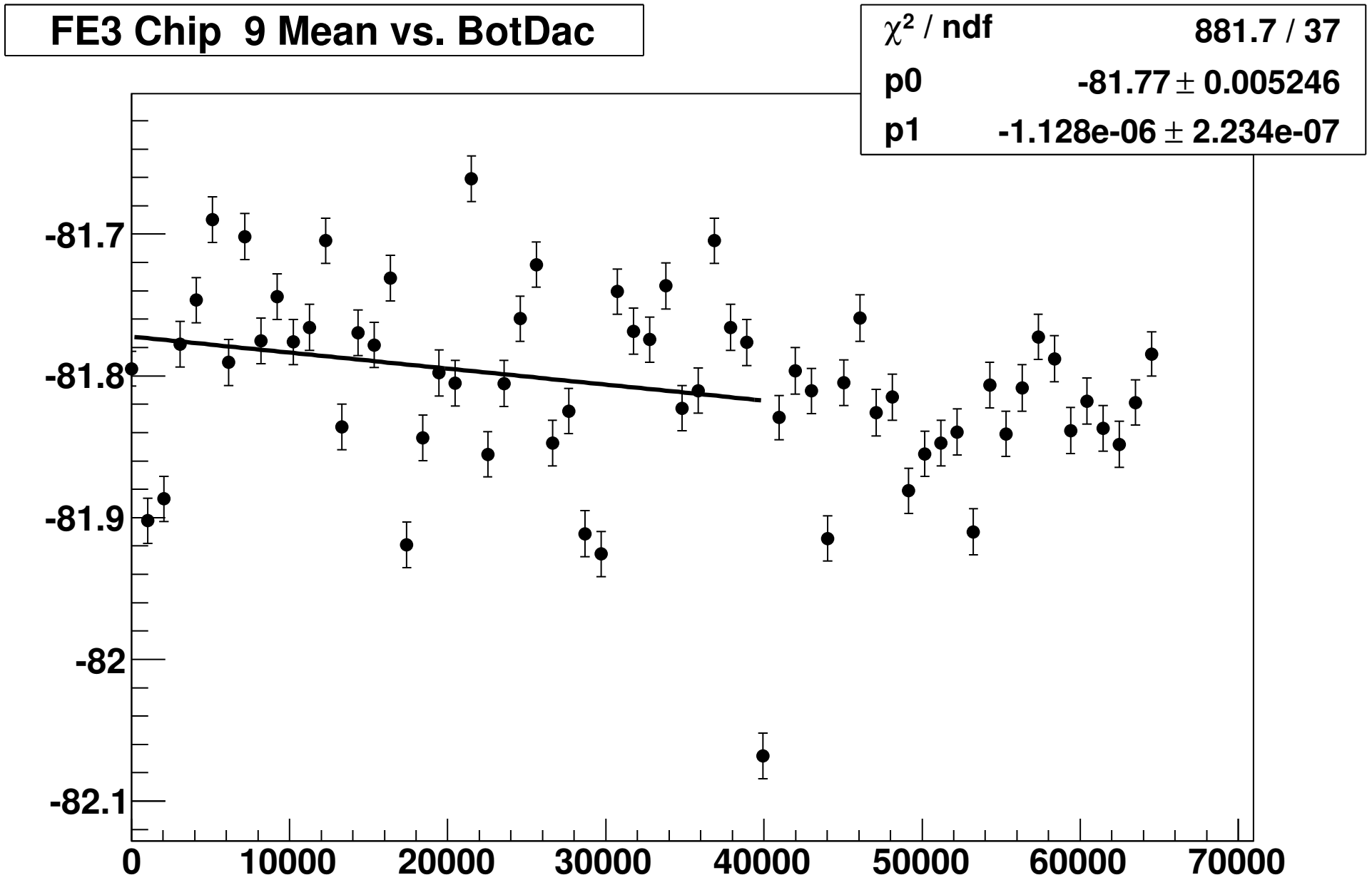
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 992.5 / 37
p0 1.39 ± 0.002852
p1 3.513e-05 ± 2.064e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 881.7 / 37
p0 -81.77 ± 0.005246
p1 -1.128e-06 ± 2.234e-07
-81.7
-81.8
-81.9
-82
-82.1
0
10000
20000
30000
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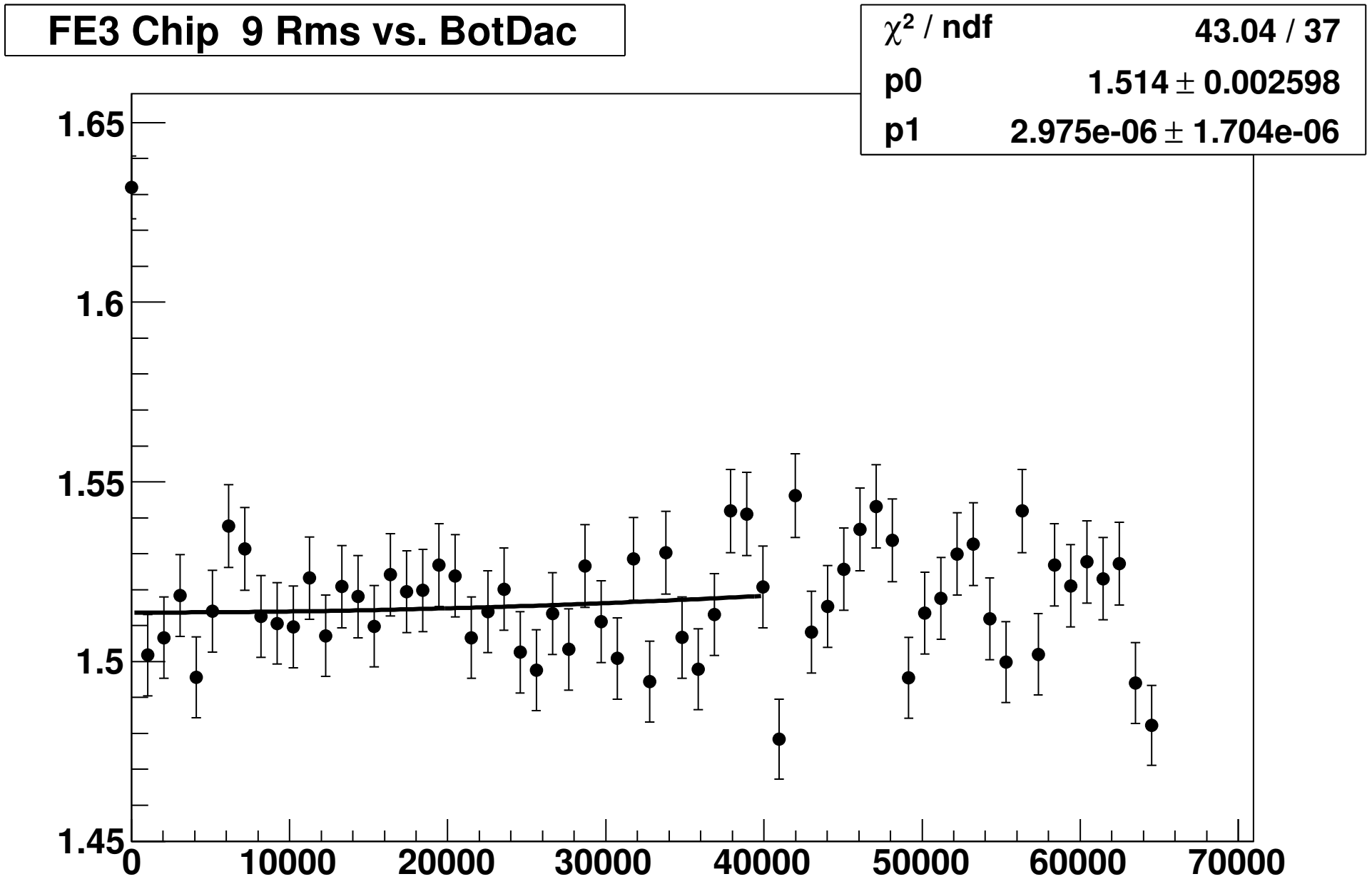
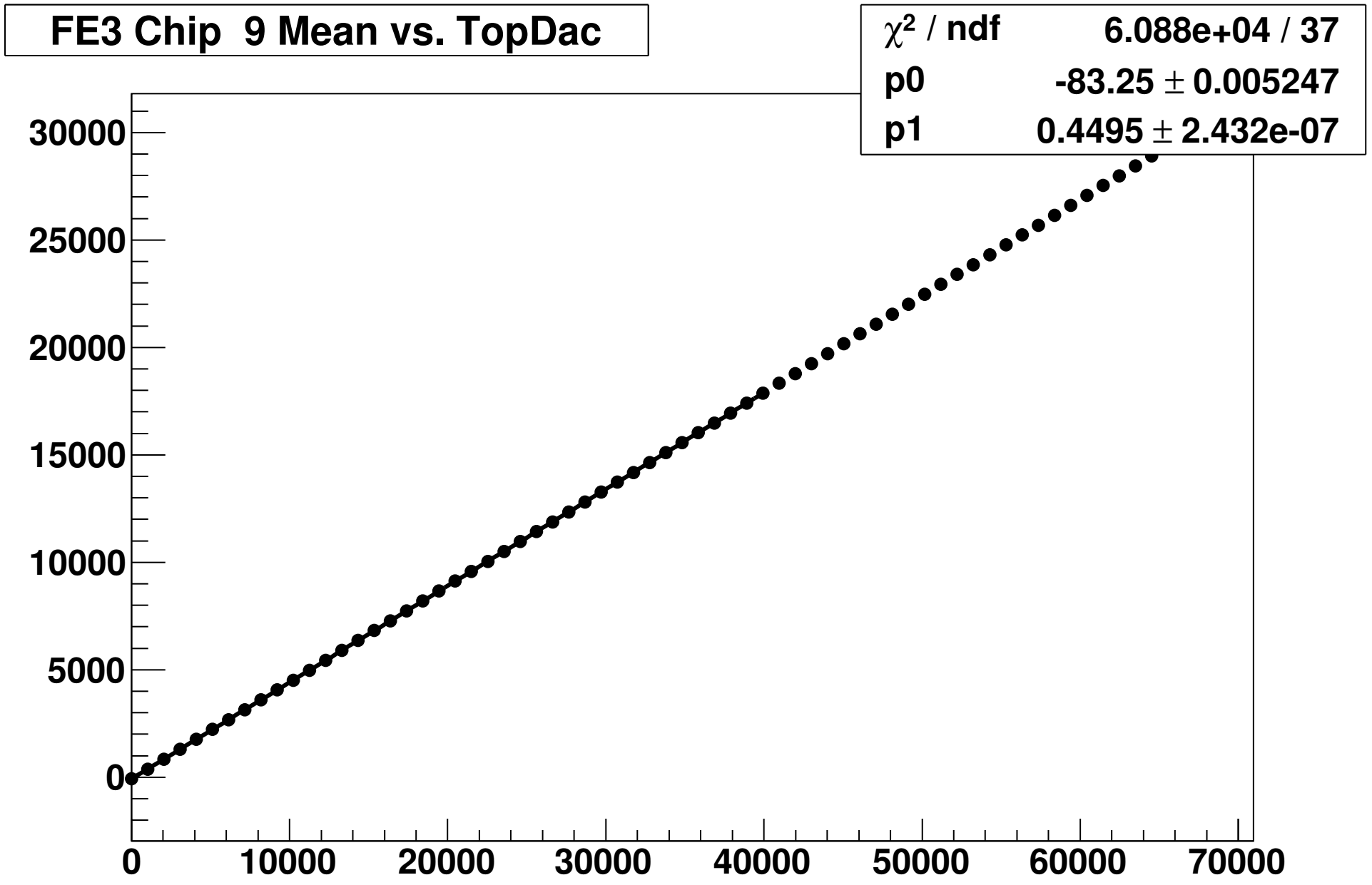
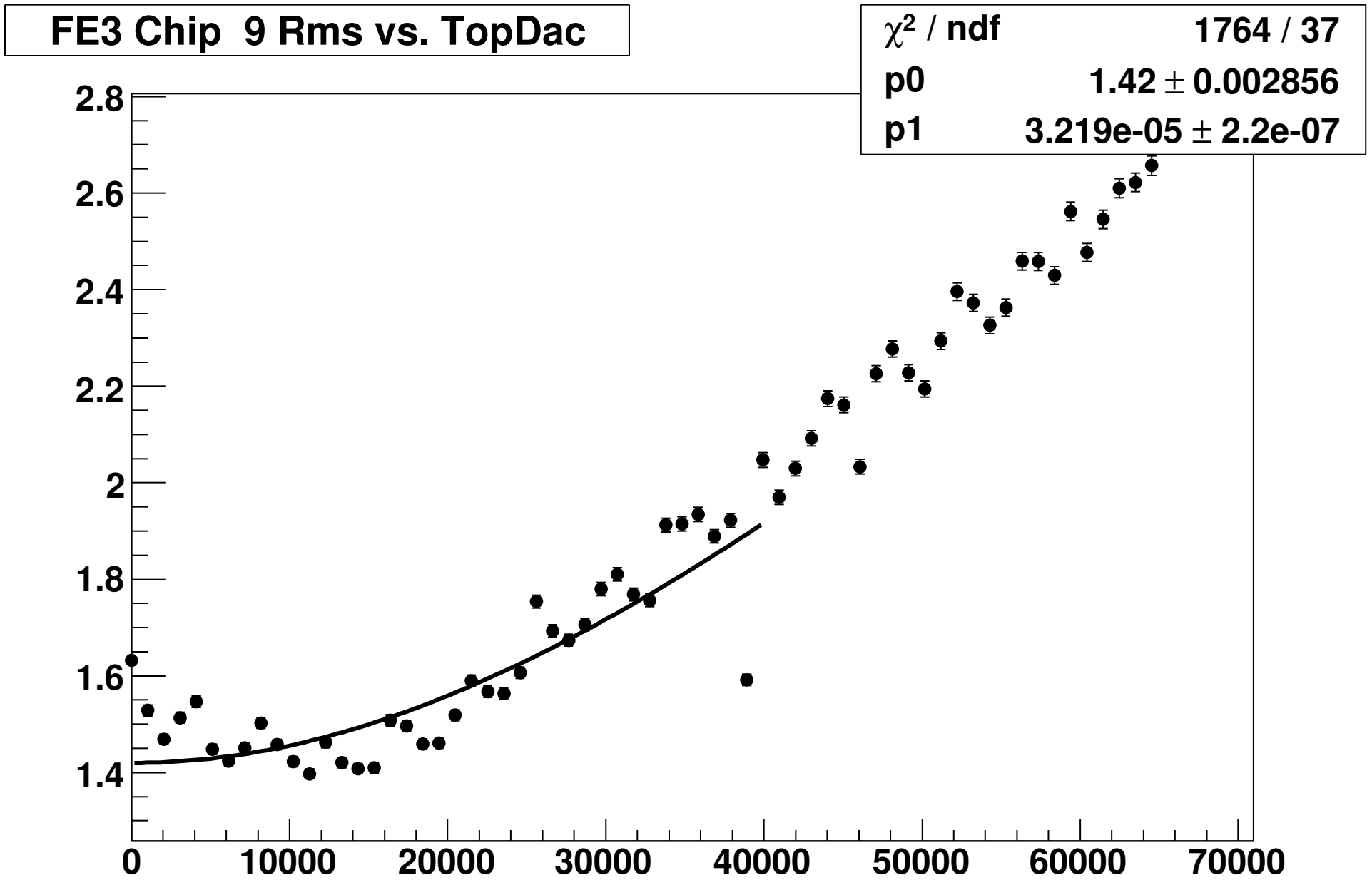
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 43.04 / 37
p0 1.514 ± 0.002598
p1 2.975e-06 ± 1.704e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 6.088e+04 / 37
p0 -83.25 ± 0.005247
p1 0.4495 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1764 / 37
p0 1.42 ± 0.002856
p1 3.219e-05 ± 2.2e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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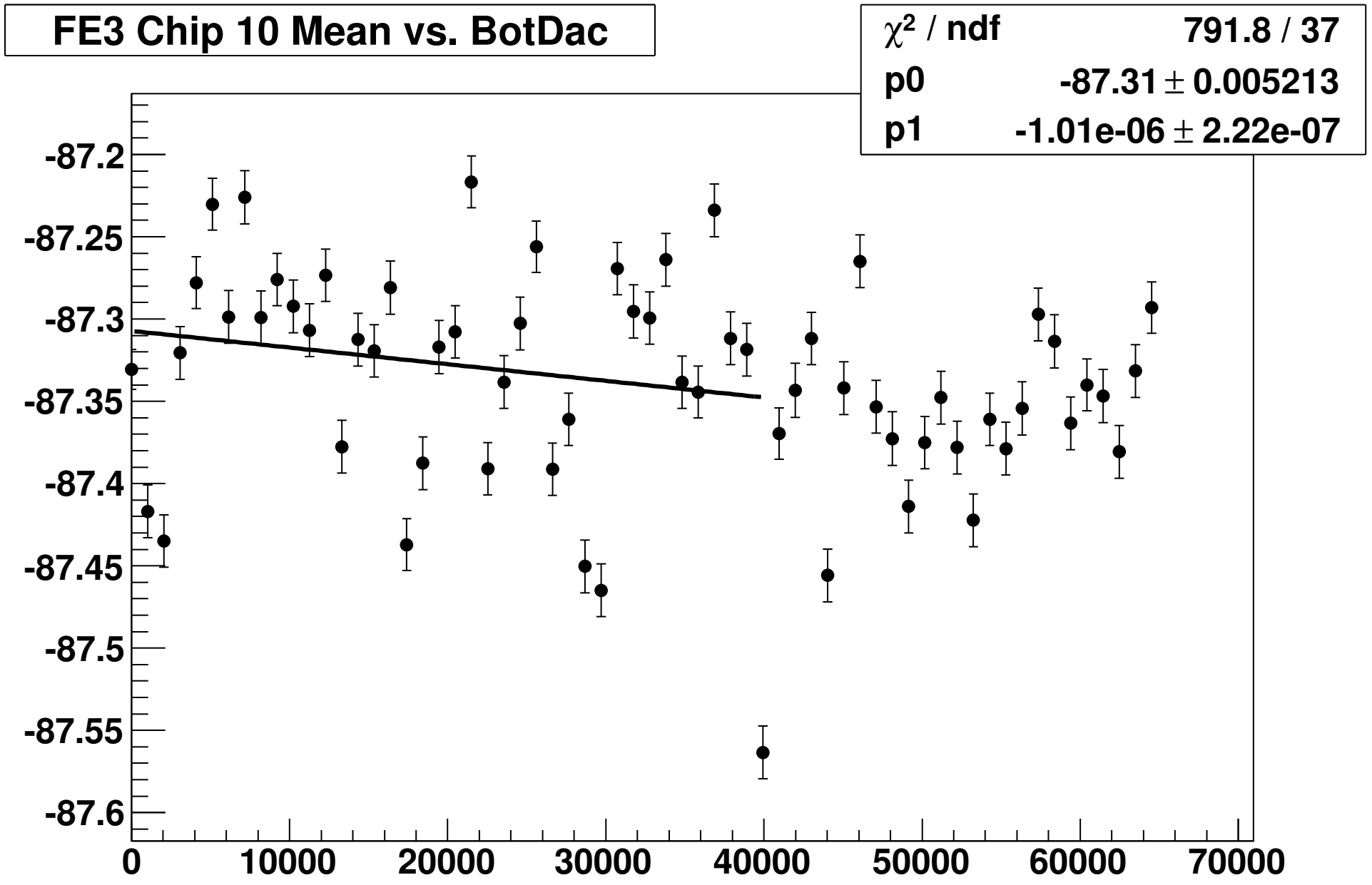
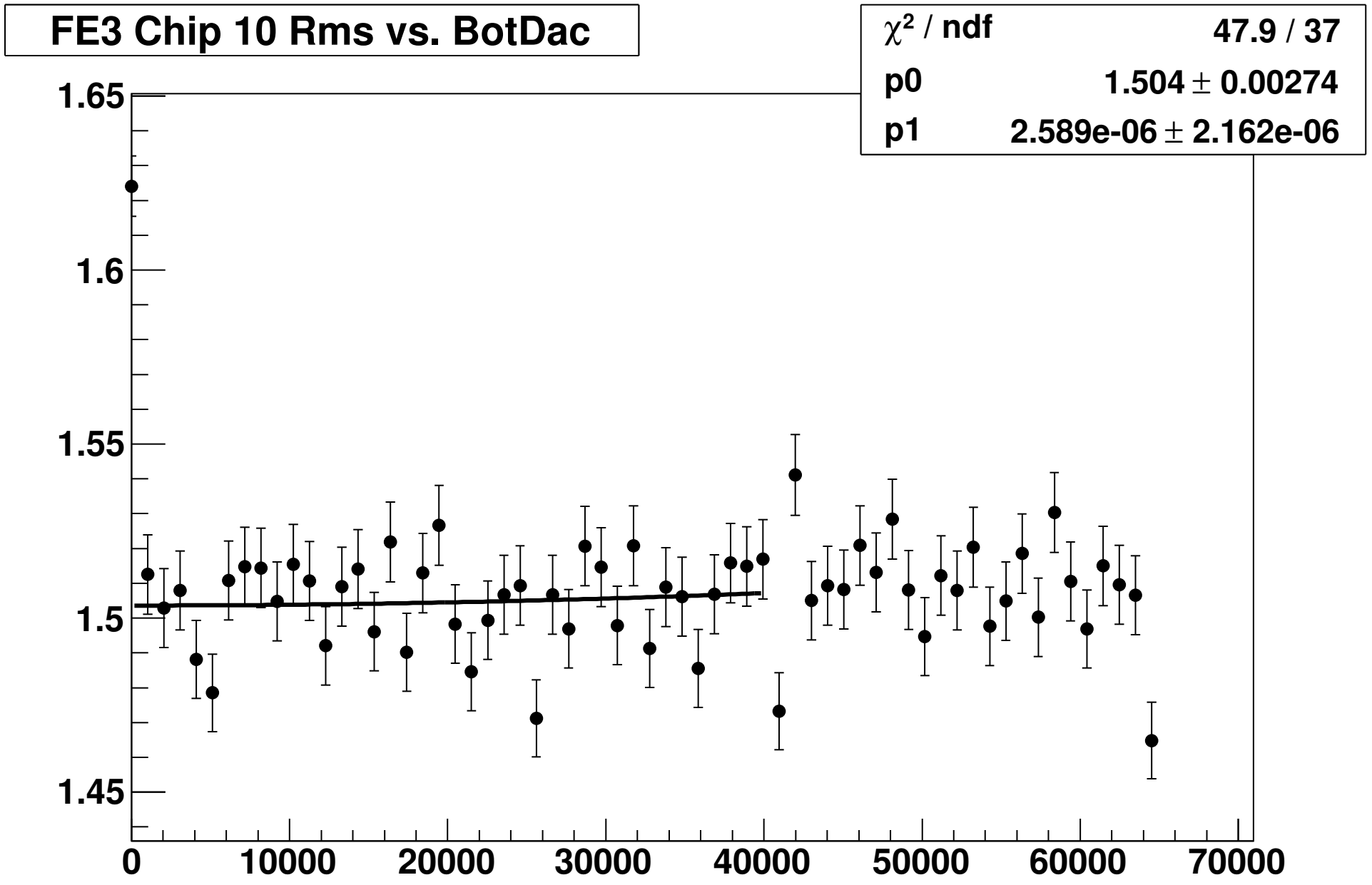
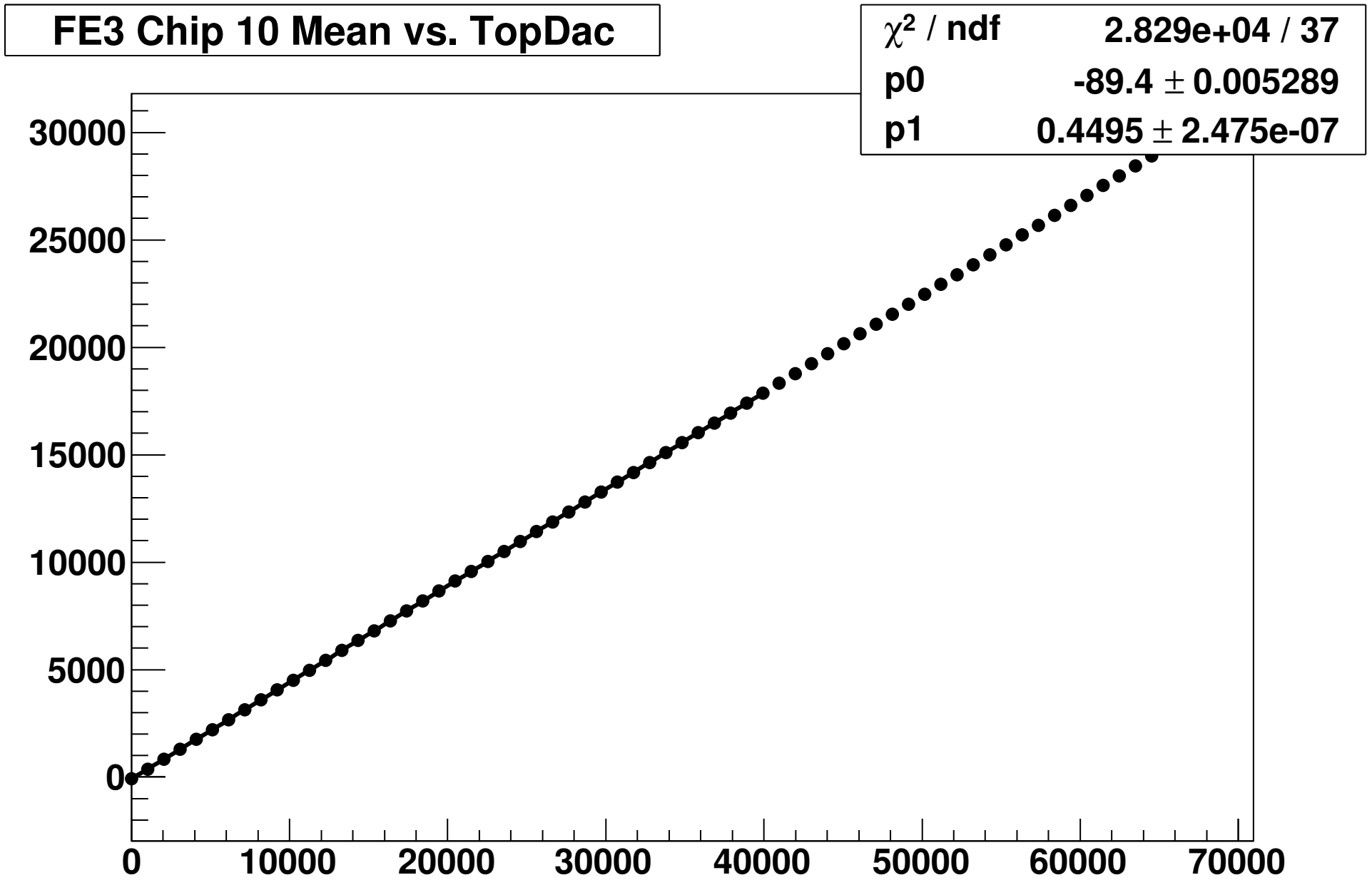
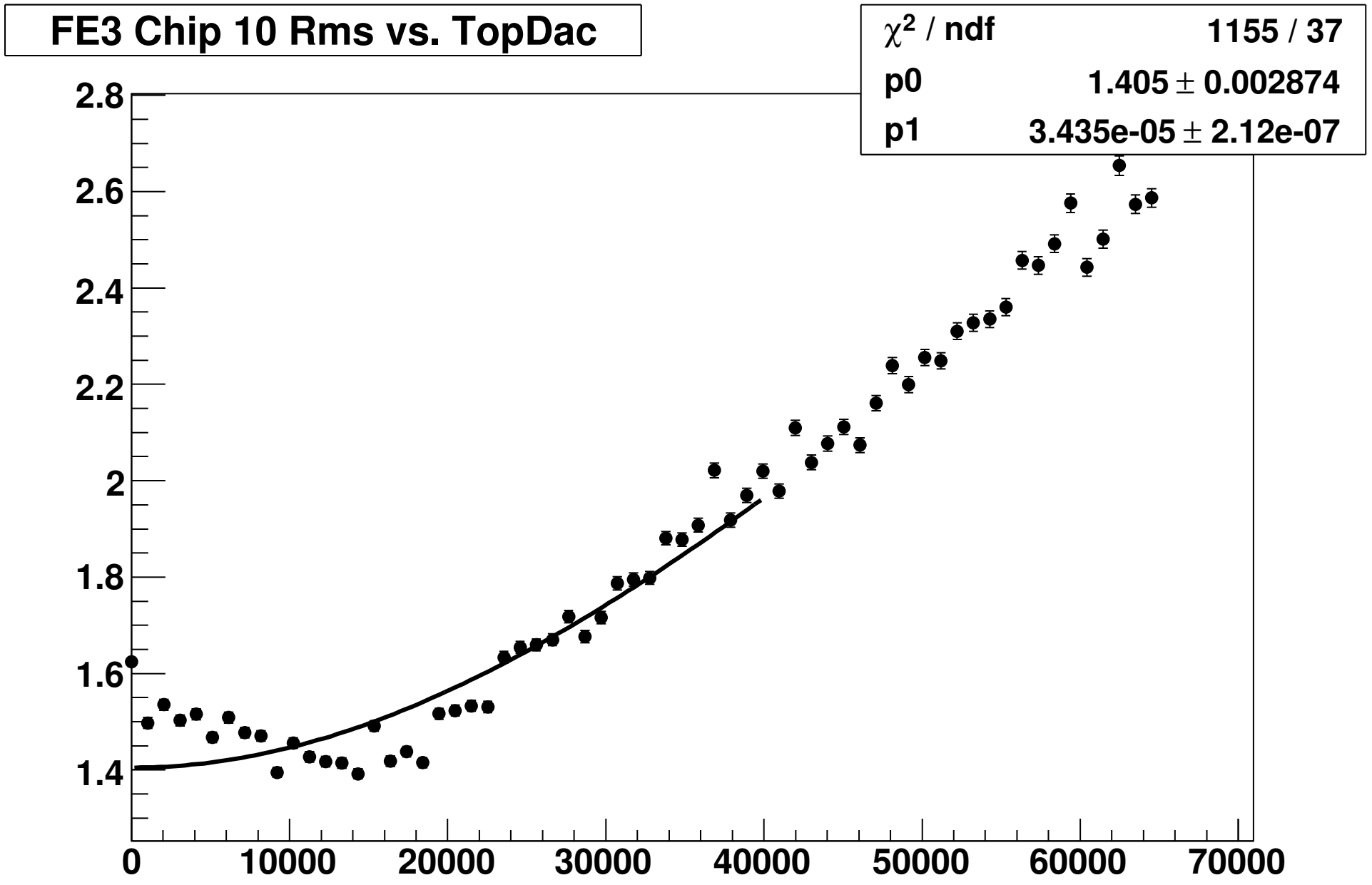

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 791.8 / 37
p0 -87.31 ± 0.005213
p1 -1.01e-06 ± 2.22e-07
-87.2
-87.25
-87.3
-87.35
-87.4
-87.45
-87.5
-87.55
-87.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 47.9 / 37
p0 1.504 ± 0.00274
p1 2.589e-06 ± 2.162e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.829e+04 / 37
p0 -89.4 ± 0.005289
p1 0.4495 ± 2.475e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1155 / 37
p0 1.405 ± 0.002874
p1 3.435e-05 ± 2.12e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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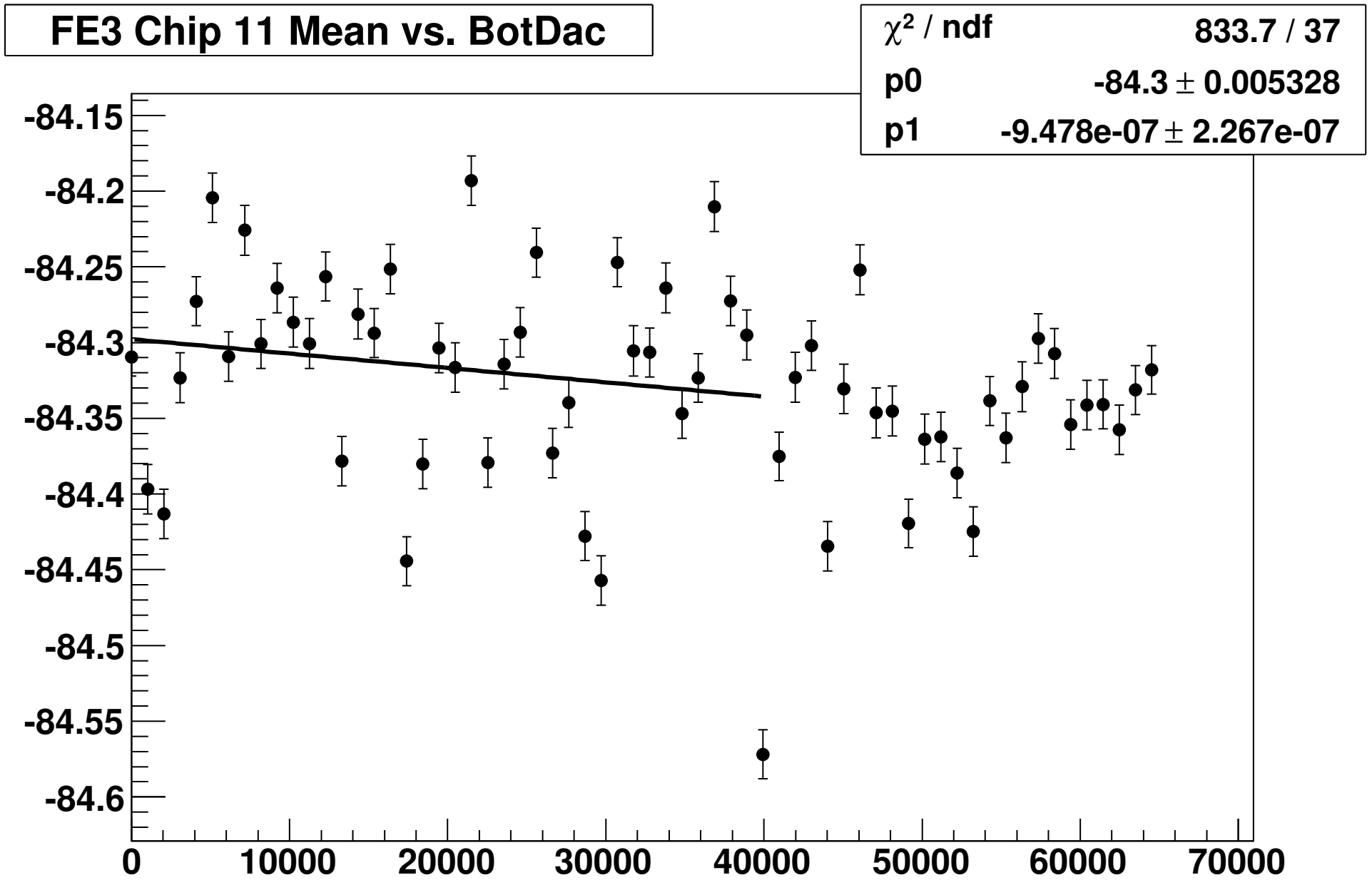
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 833.7 / 37
p0 -84.3 ± 0.005328
p1 -9.478e-07 ± 2.267e-07
-84.15
-84.2
-84.25
-84.3
-84.35
-84.4
-84.45
-84.5
-84.55
-84.6
0
10000
20000
30000
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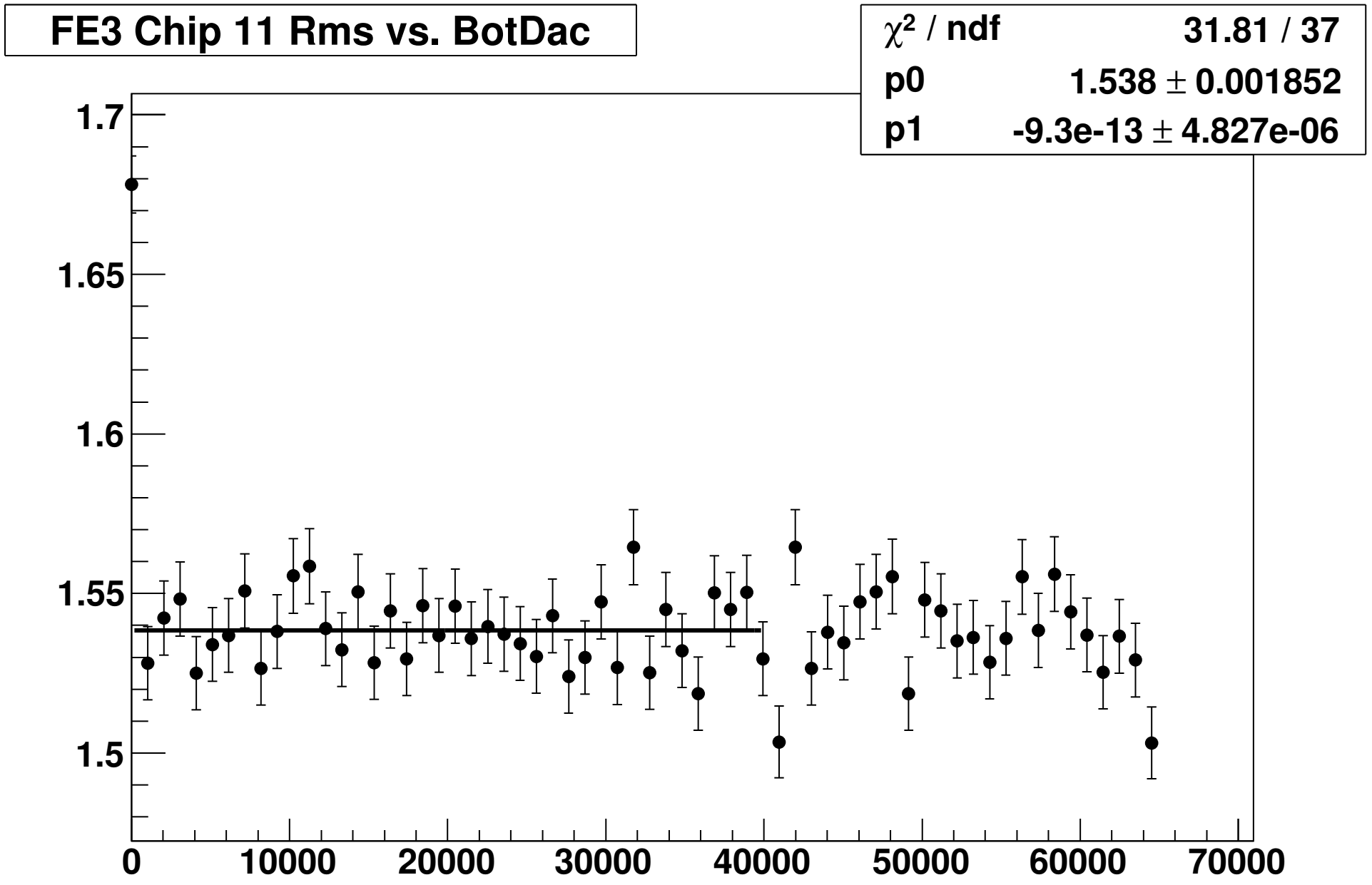
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 31.81 / 37
p0 1.538 ± 0.001852
p1 -9.3e-13 ± 4.827e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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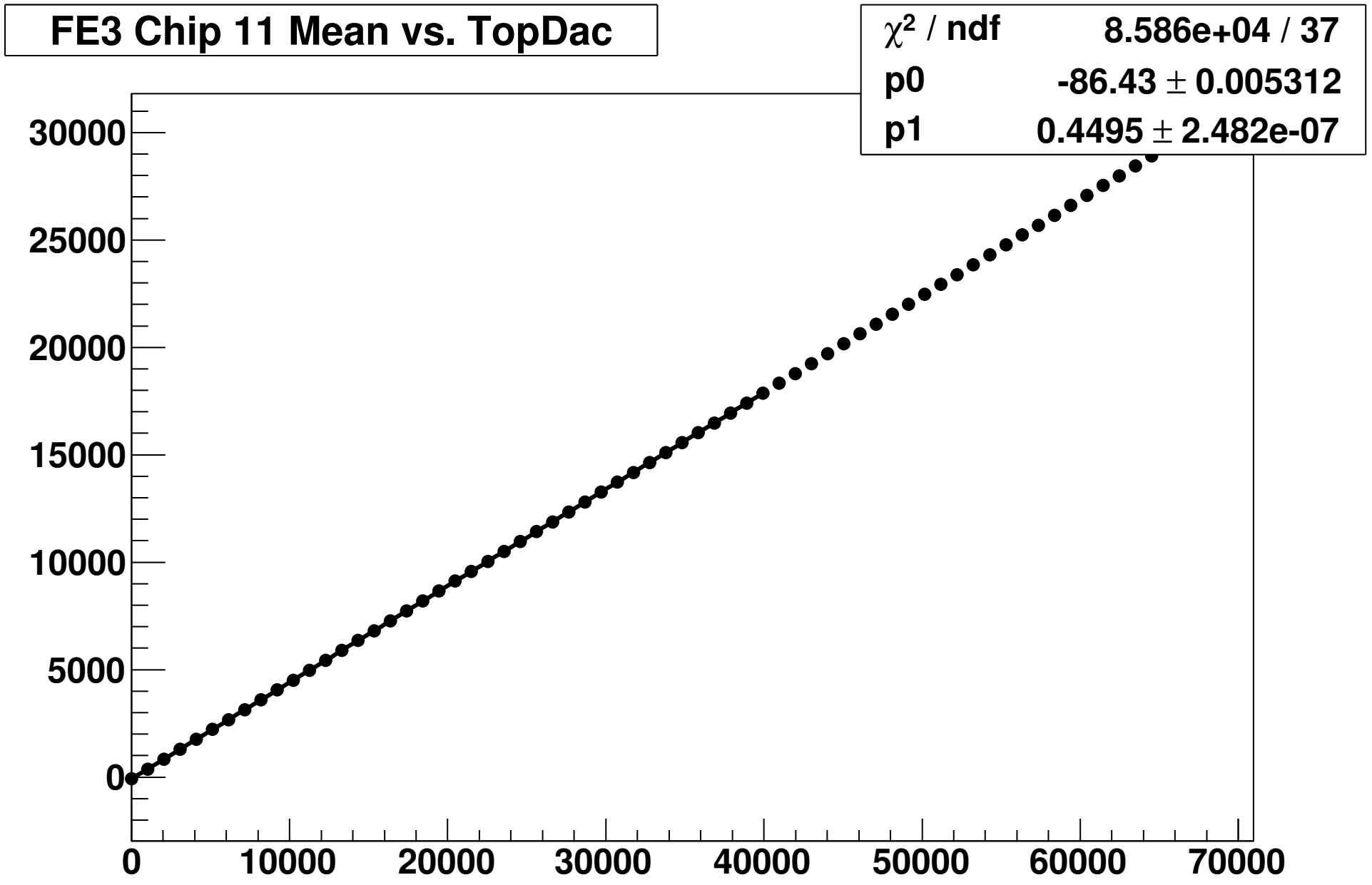
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 8.586e+04 / 37
p0 -86.43 ± 0.005312
p1 0.4495 ± 2.482e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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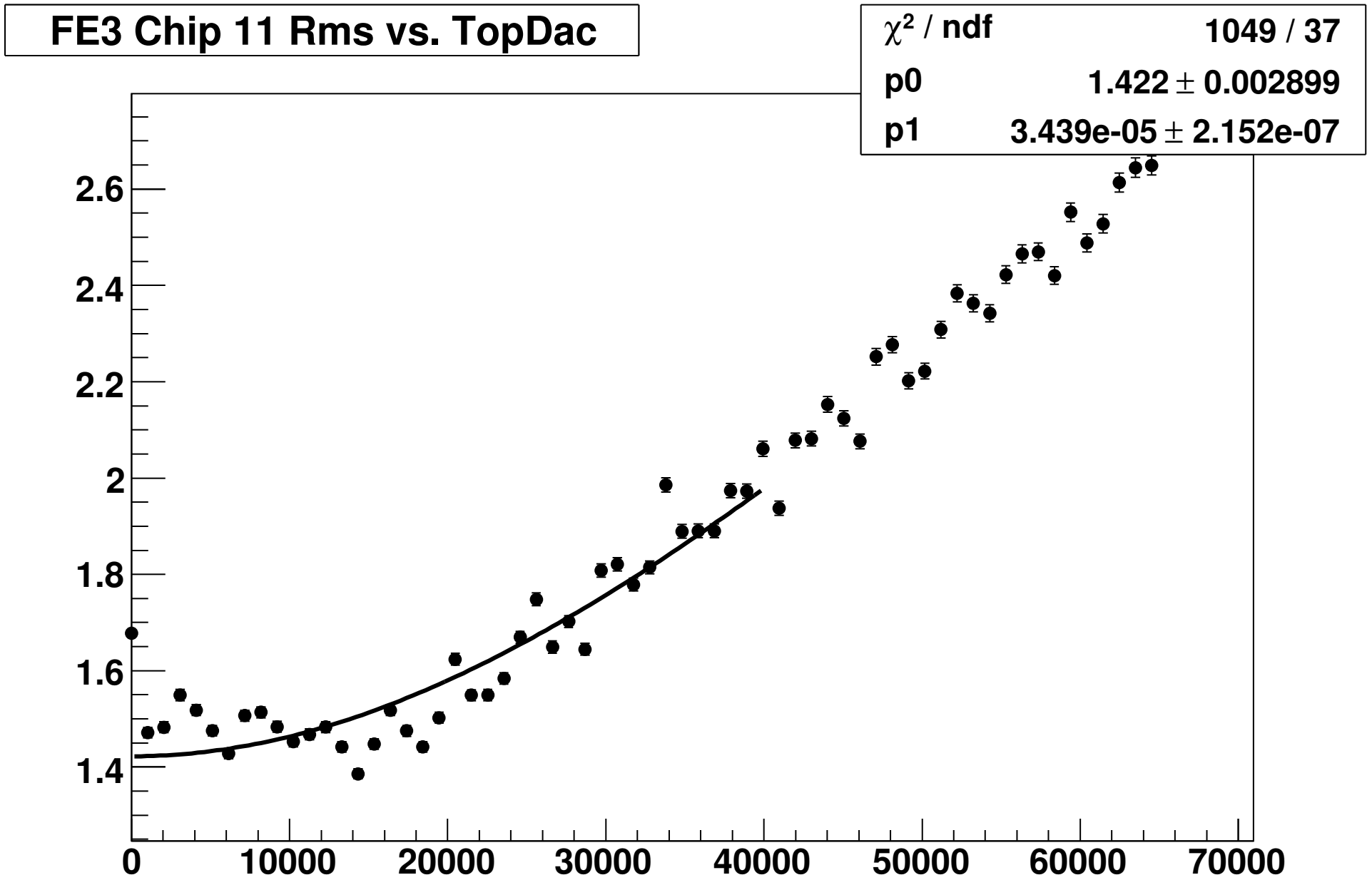
FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1049 / 37
p0 1.422 ± 0.002899
p1 3.439e-05 ± 2.152e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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60000
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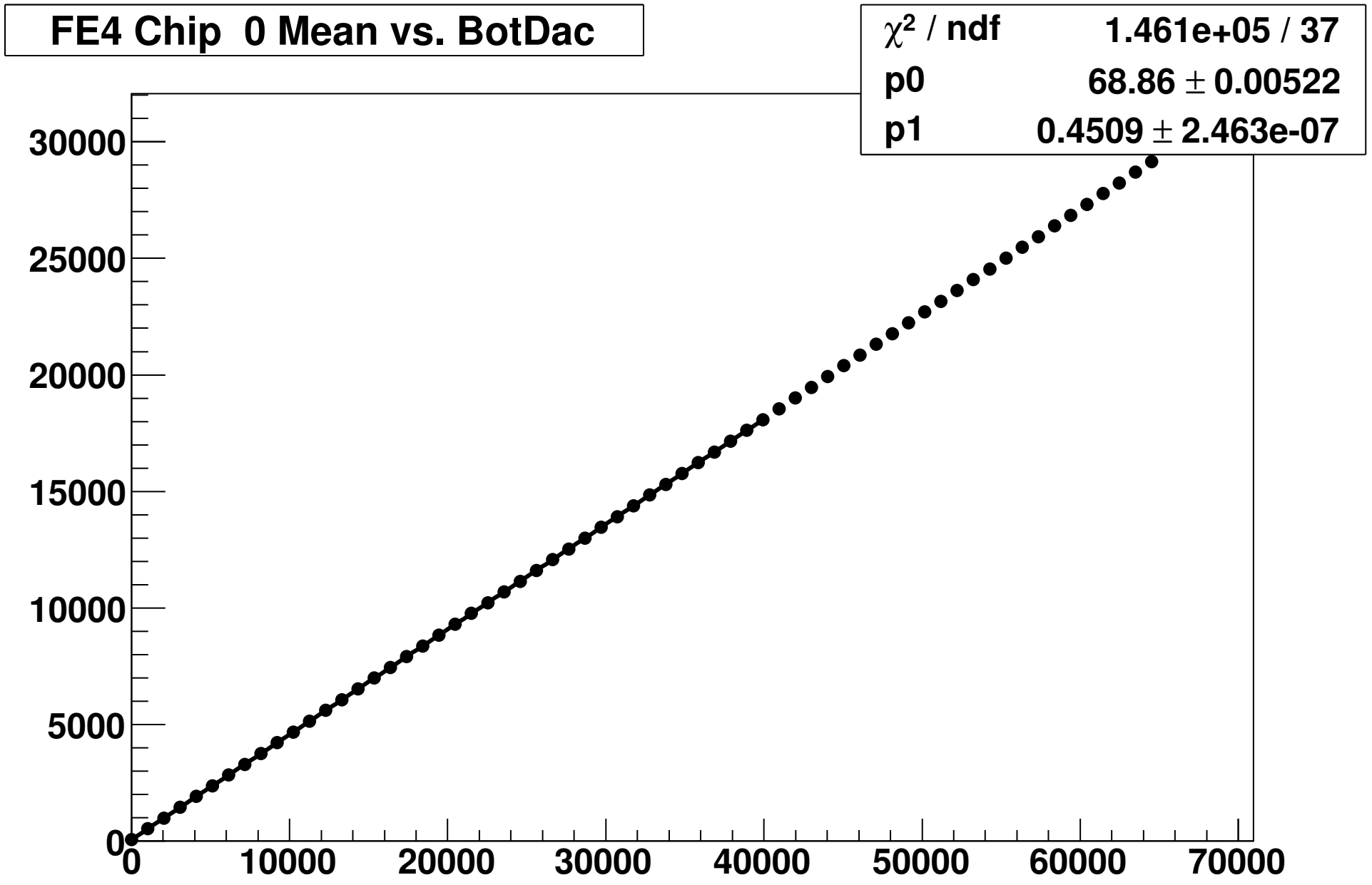
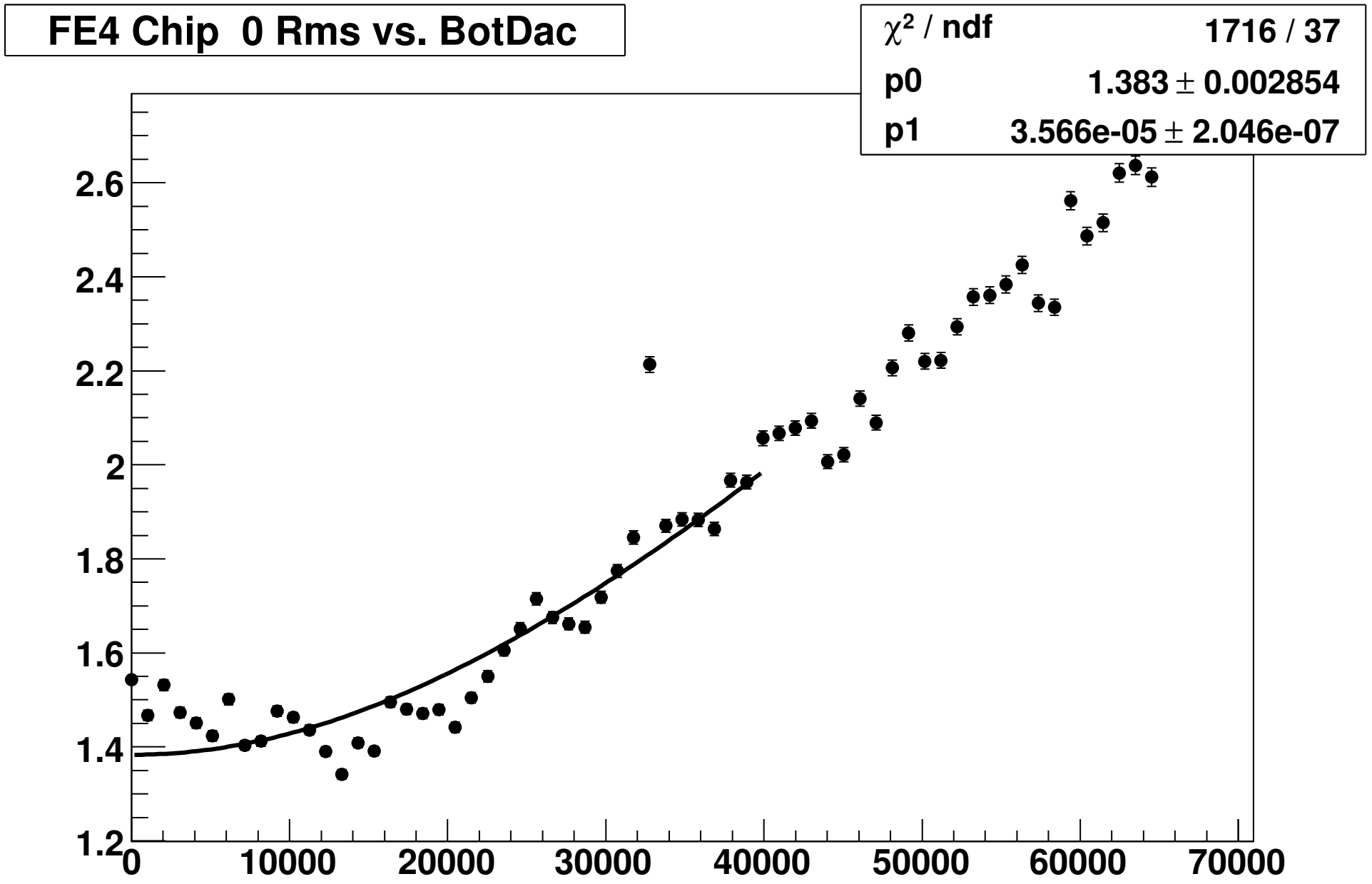

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 1.461e+05 / 37
p0 68.86 ± 0.00522
p1 0.4509 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1716 / 37
p0 1.383 ± 0.002854
p1 3.566e-05 ± 2.046e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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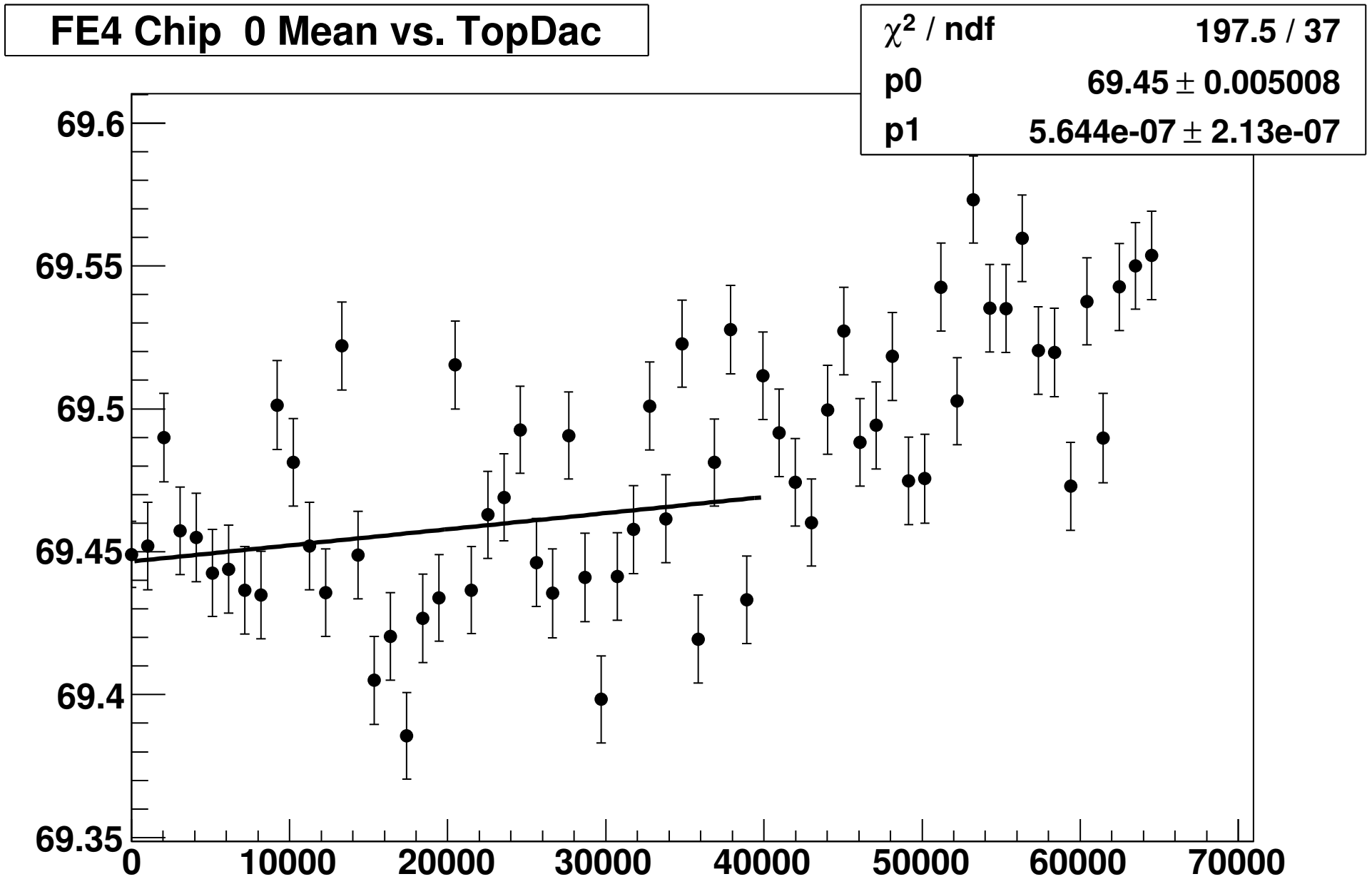
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 197.5 / 37
p0 69.45 ± 0.005008
p1 5.644e-07 ± 2.13e-07
69.6
69.55
69.5
69.45
69.4
69.35
0
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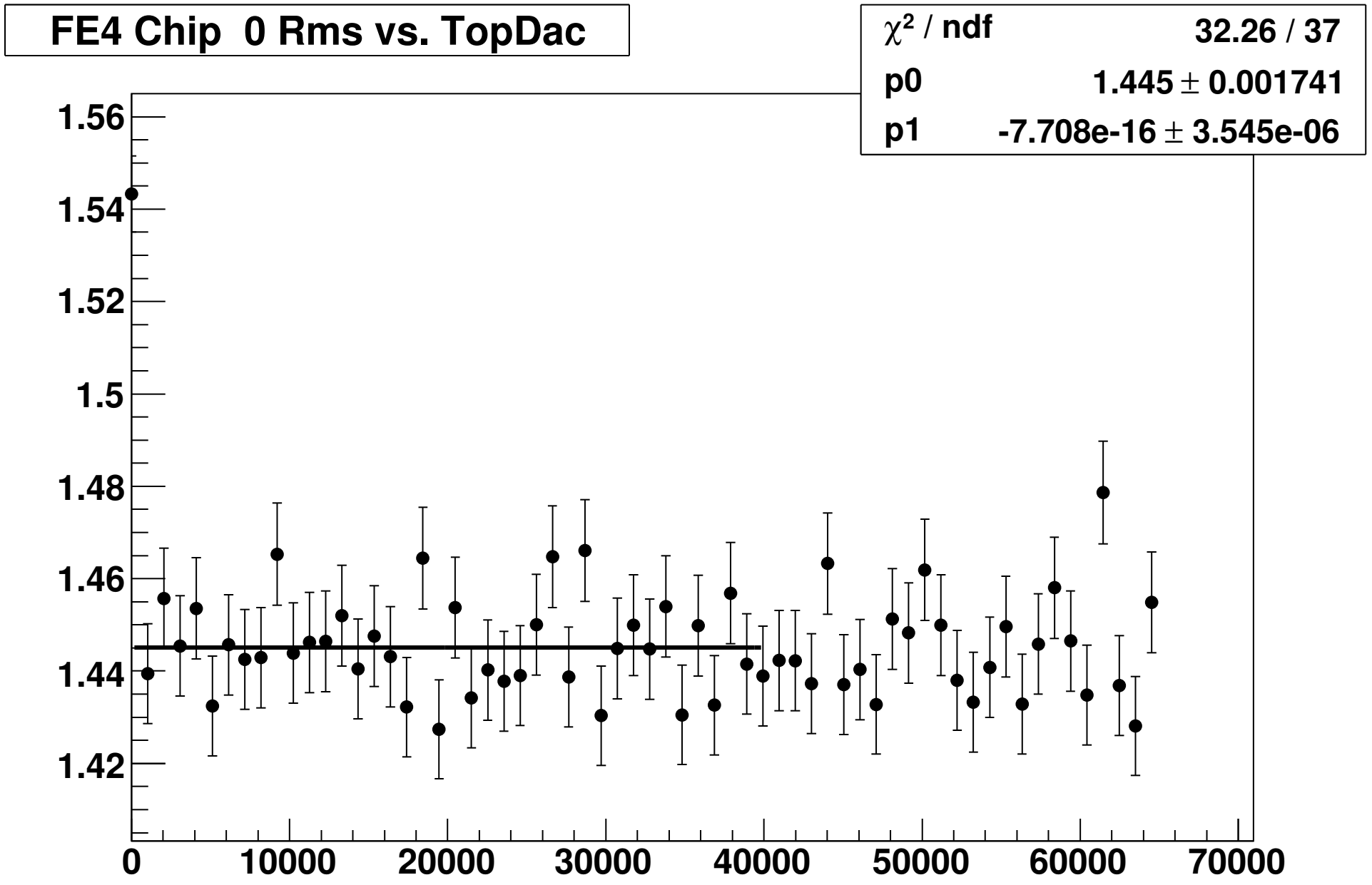
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 32.26 / 37
p0 1.445 ± 0.001741
p1 -7.708e-16 ± 3.545e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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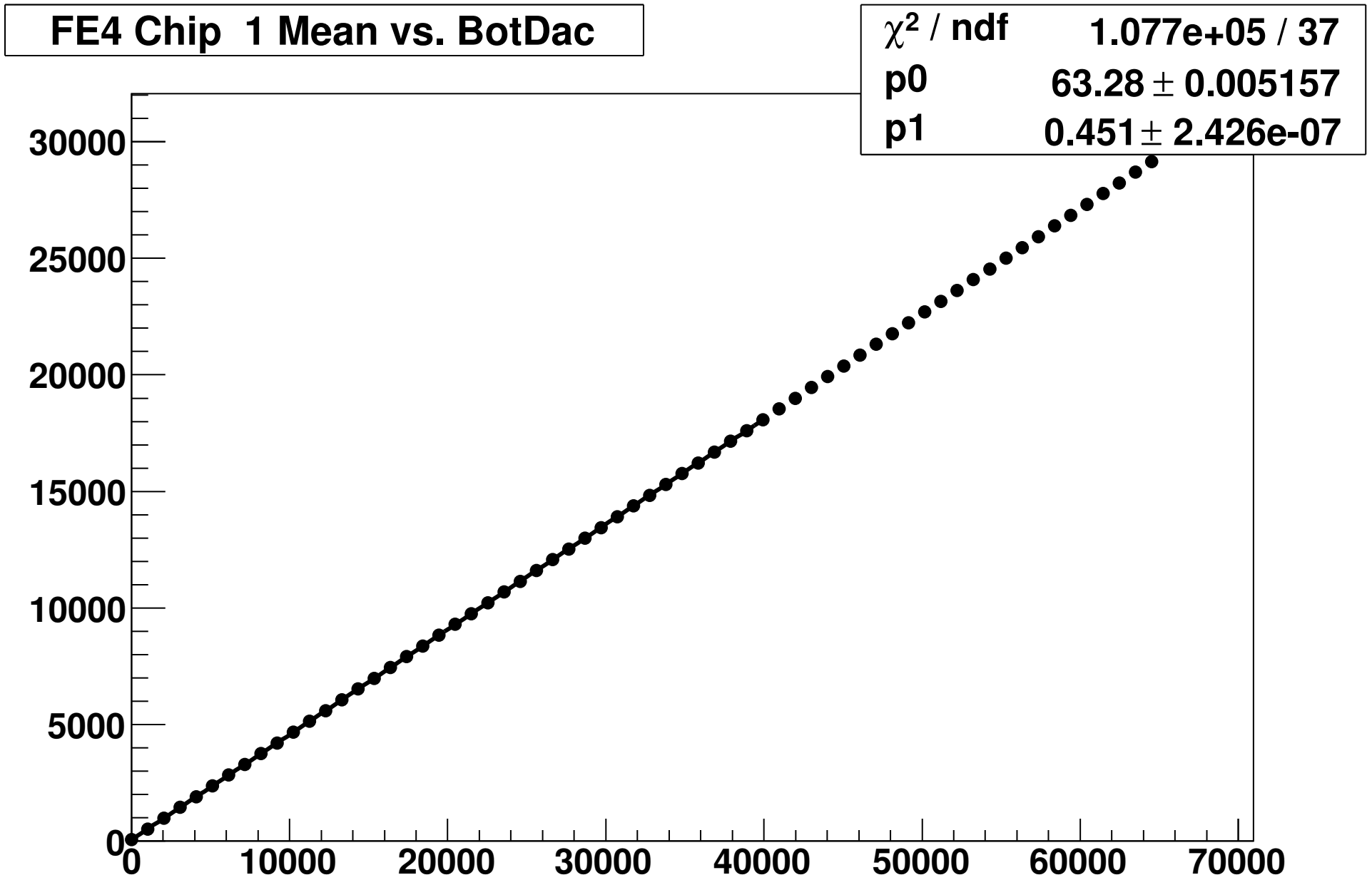
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.077e+05 / 37
p0 63.28 ± 0.005157
p1 0.451 ± 2.426e-07
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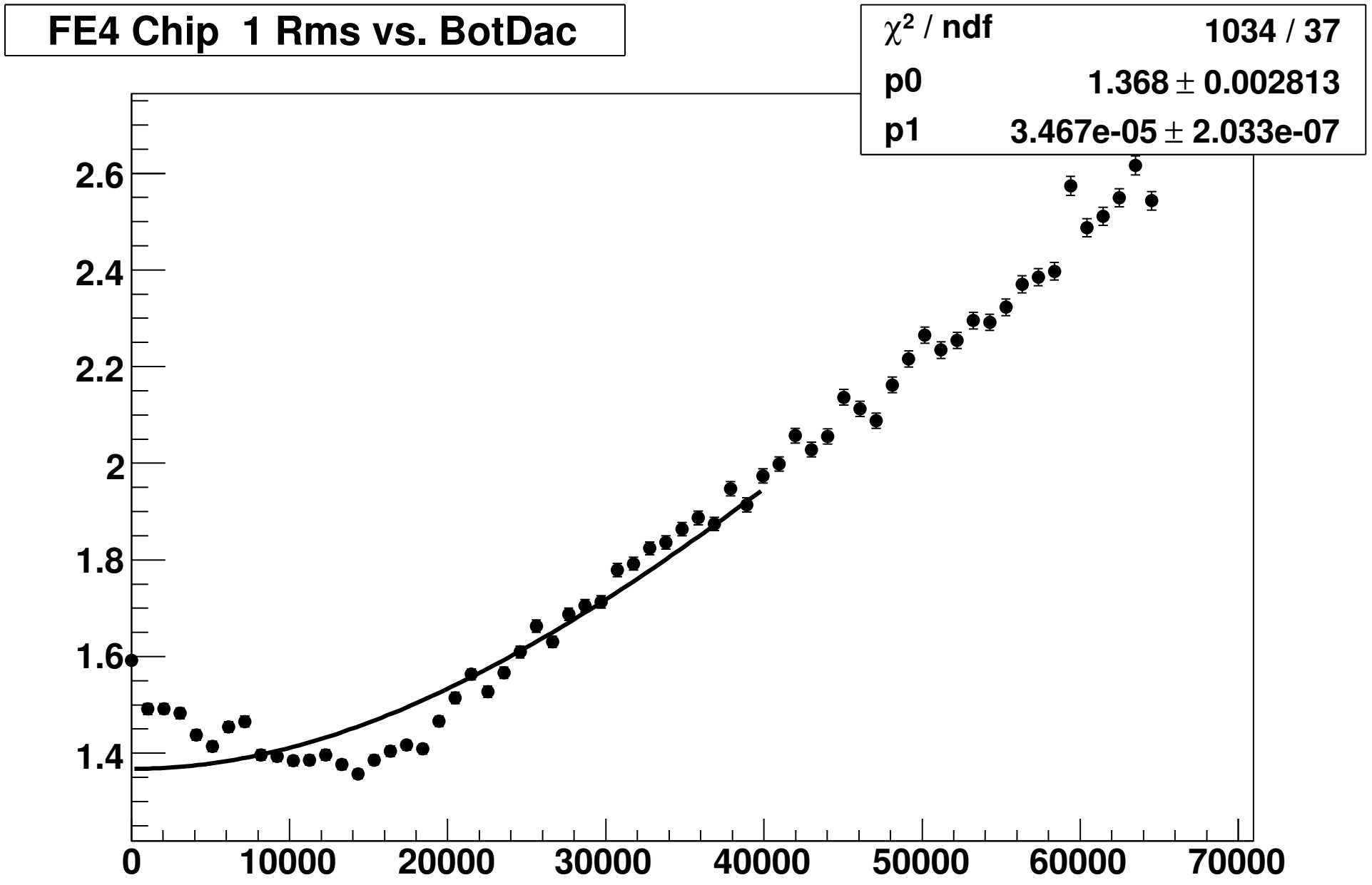
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 1034 / 37
p0 1.368 ± 0.002813
p1 3.467e-05 ± 2.033e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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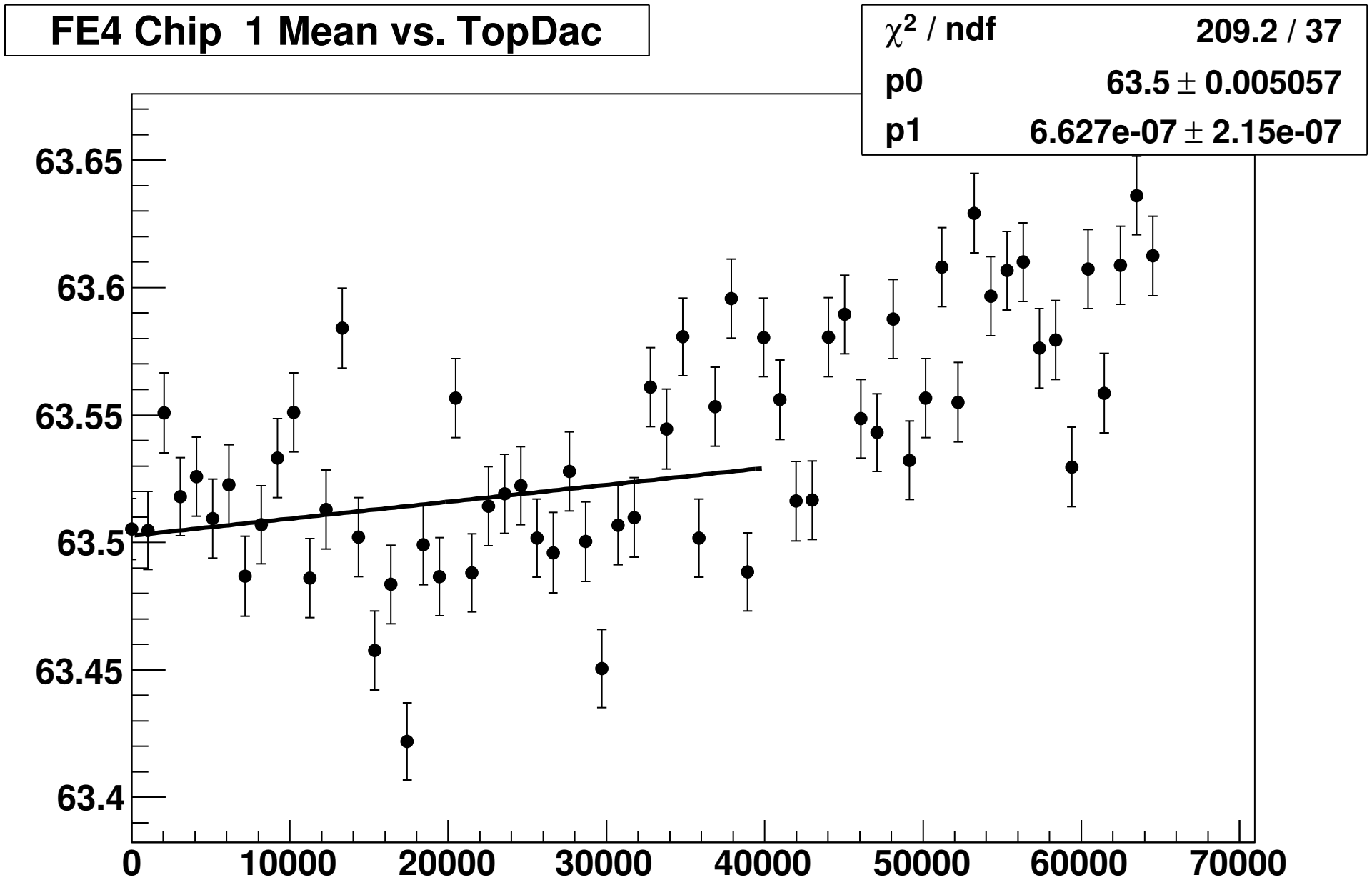
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 209.2 / 37
p0 63.5 ± 0.005057
p1 6.627e-07 ± 2.15e-07
63.65
63.6
63.55
63.5
63.45
63.4
0
10000
20000
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60000
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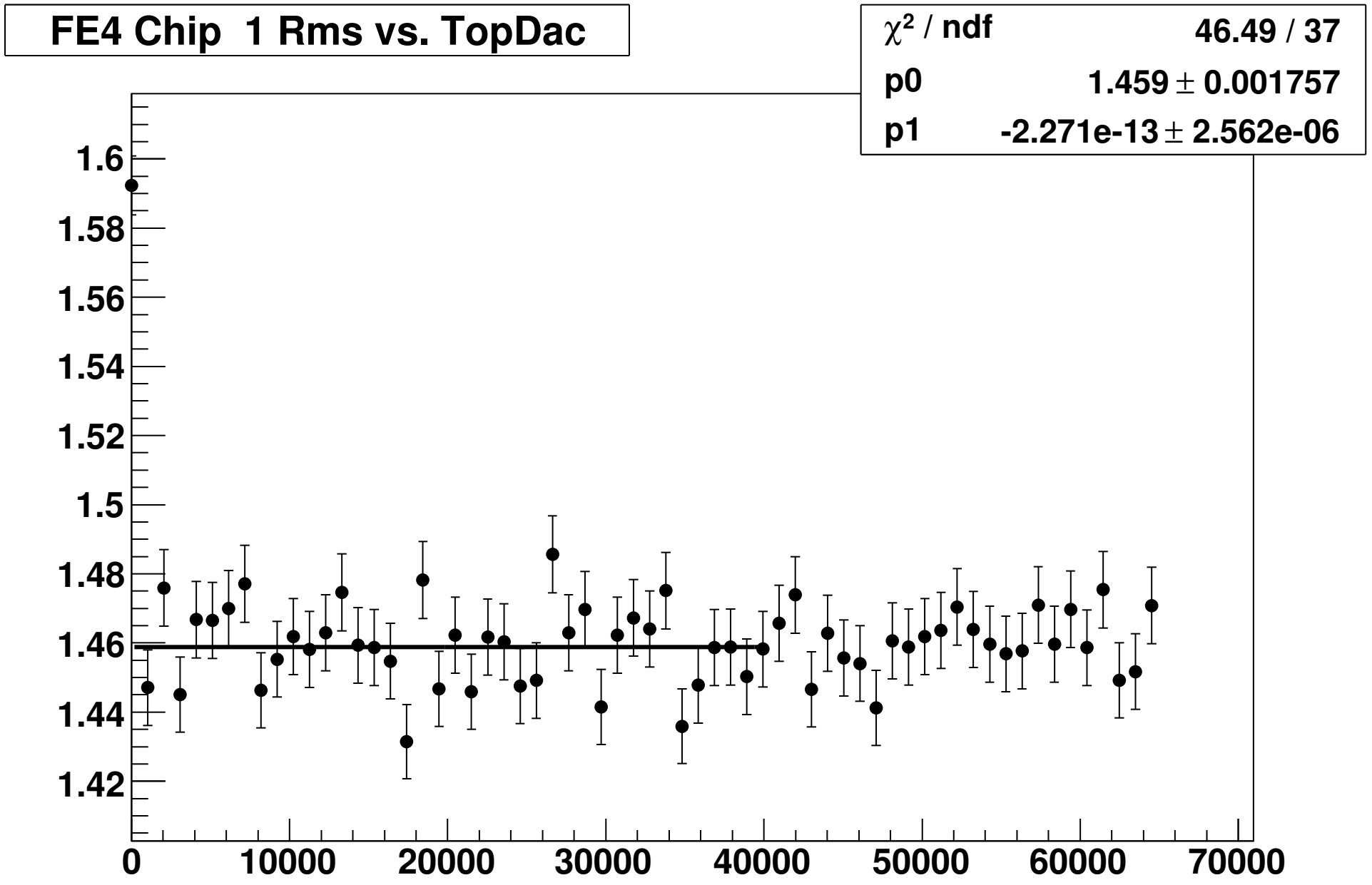
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 46.49 / 37
p0 1.459 ± 0.001757
p1 -2.271e-13 ± 2.562e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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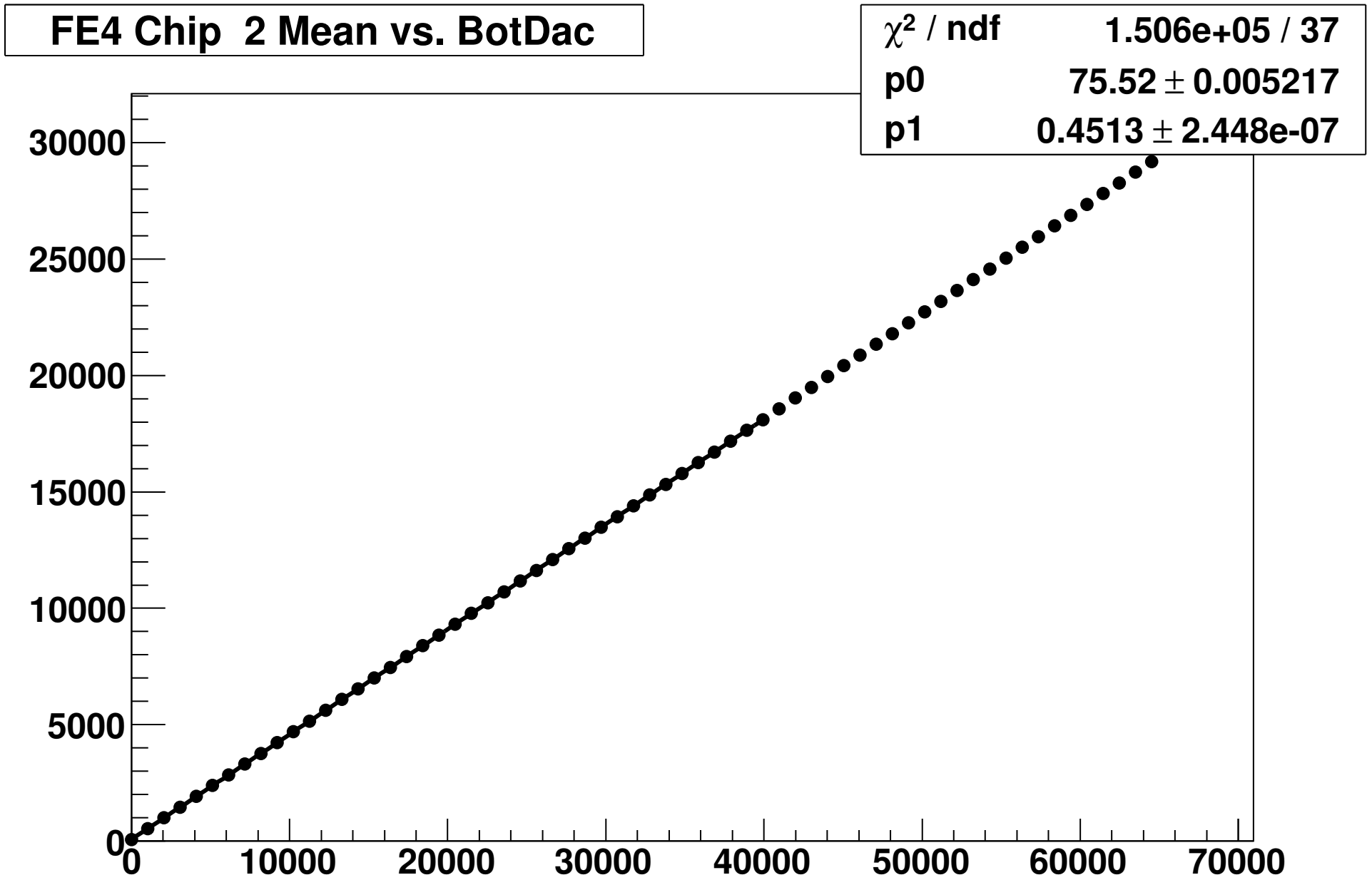
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 1.506e+05 / 37
p0 75.52 ± 0.005217
p1 0.4513 ± 2.448e-07
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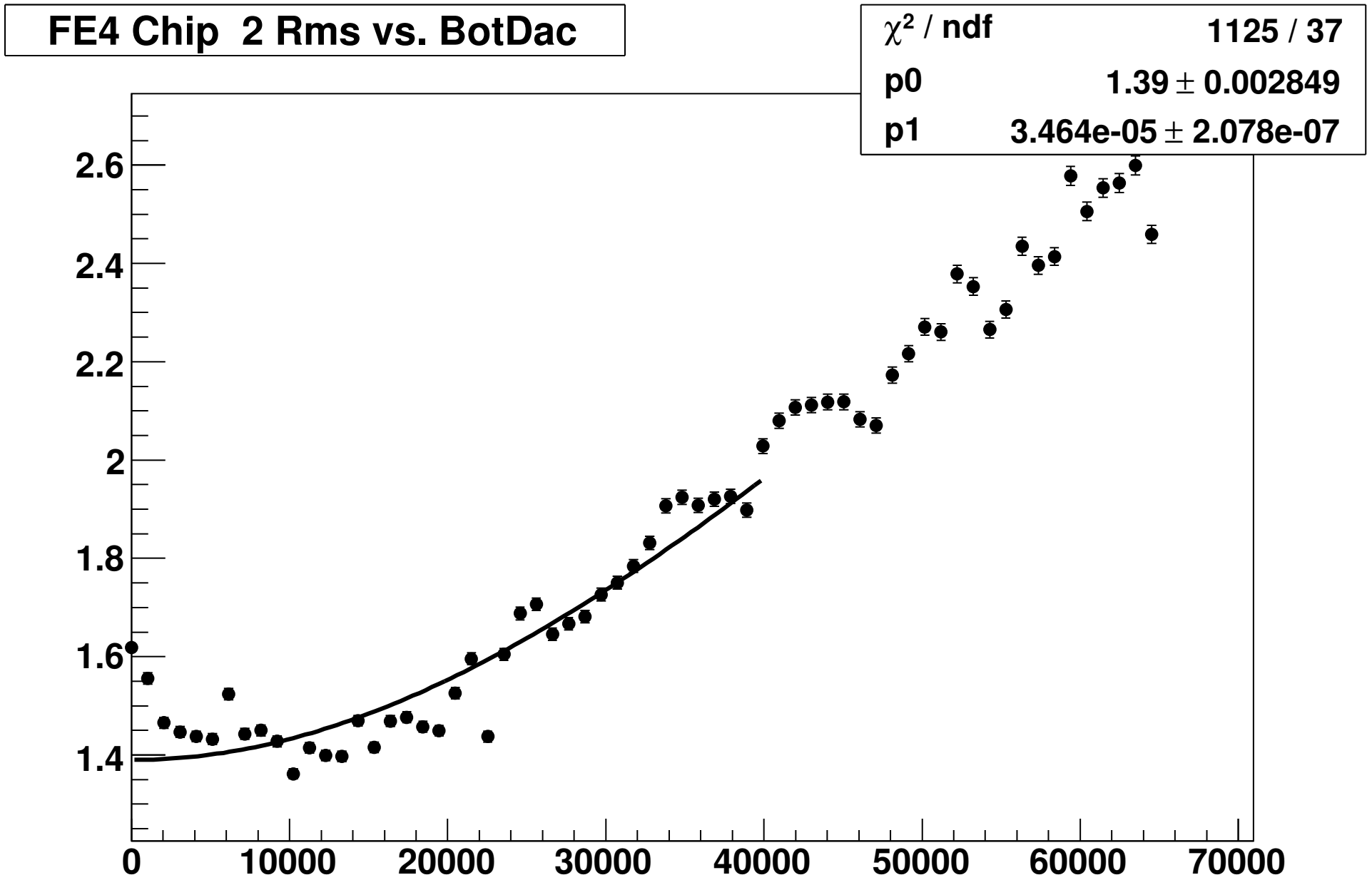
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1125 / 37
p0 1.39 ± 0.002849
p1 3.464e-05 ± 2.078e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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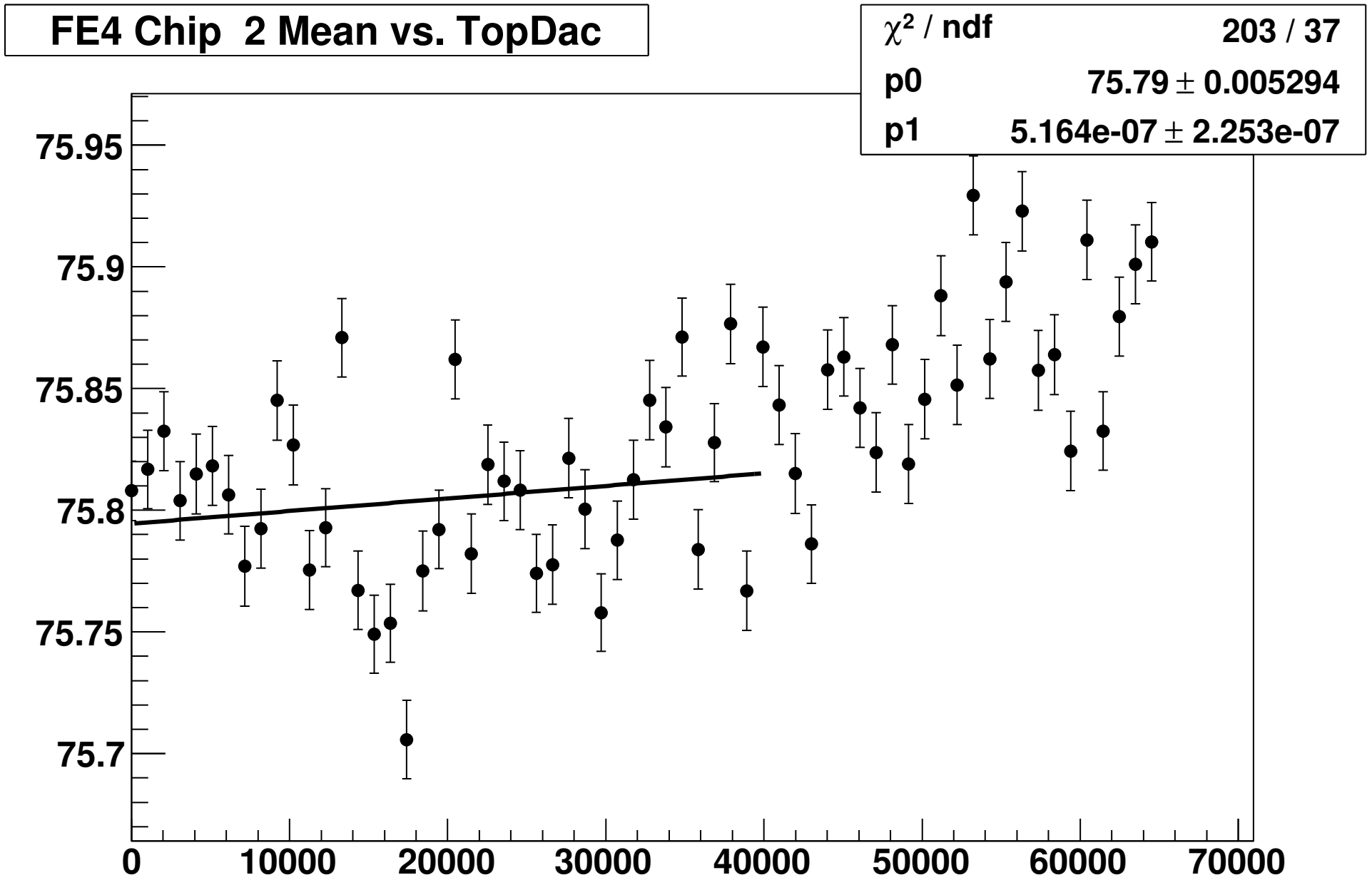
70000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 203 / 37
p0 75.79 ± 0.005294
p1 5.164e-07 ± 2.253e-07
75.95
75.9
75.85
75.8
75.75
75.7
0
10000
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50000
60000
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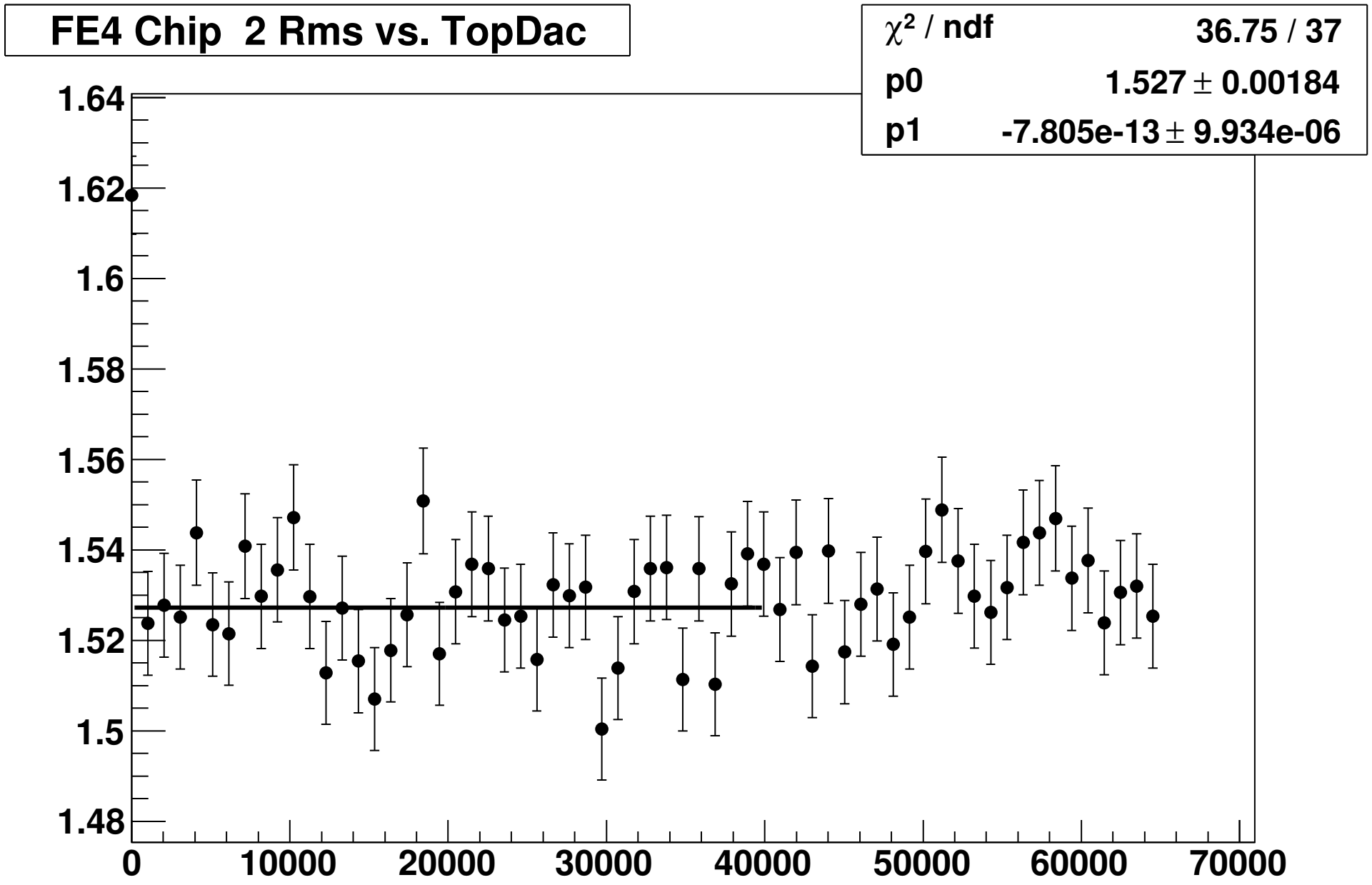
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 36.75 / 37
p0 1.527 ± 0.00184
p1 -7.805e-13 ± 9.934e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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50000
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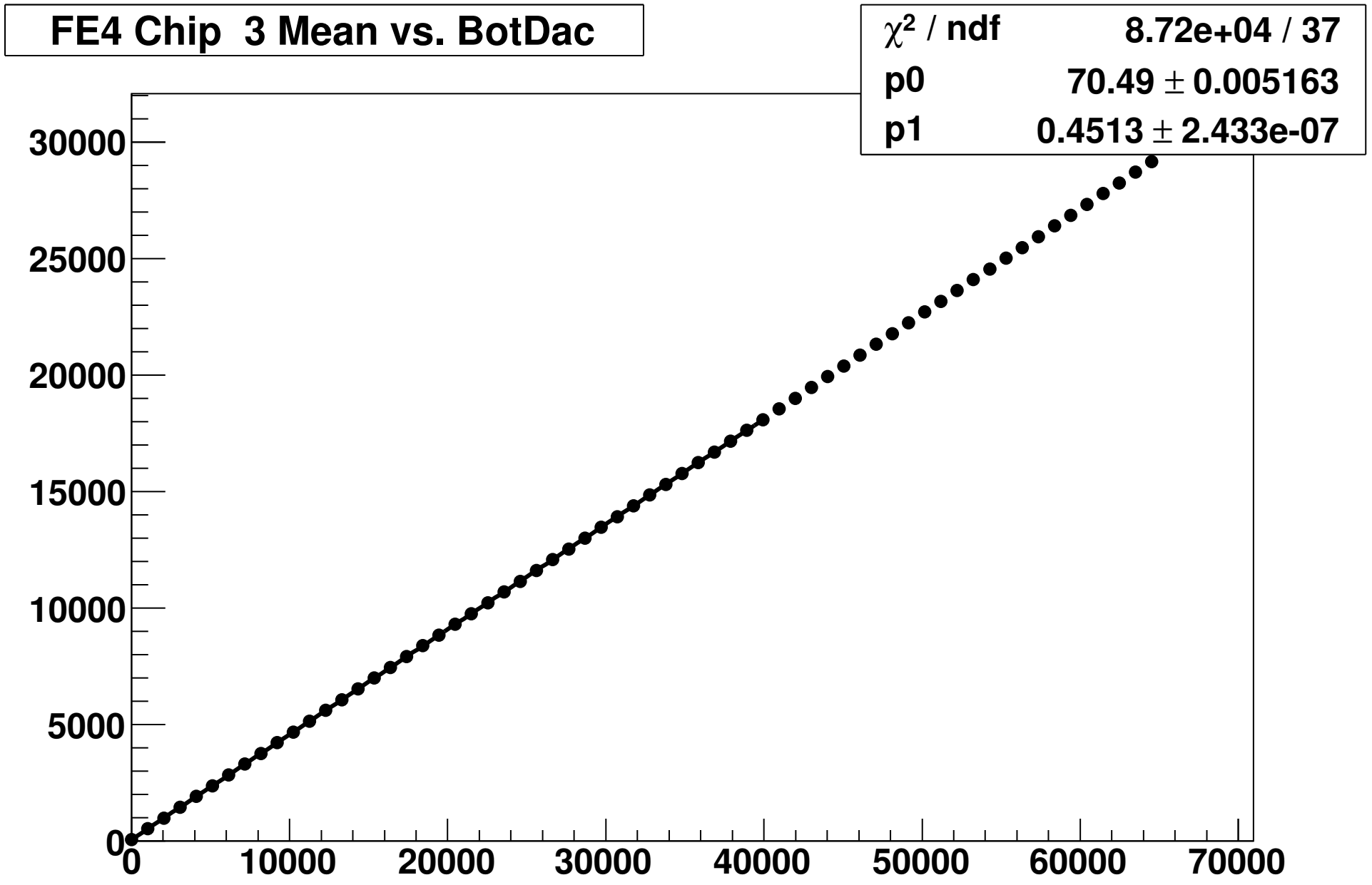
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 8.72e+04 / 37
p0 70.49 ± 0.005163
p1 0.4513 ± 2.433e-07
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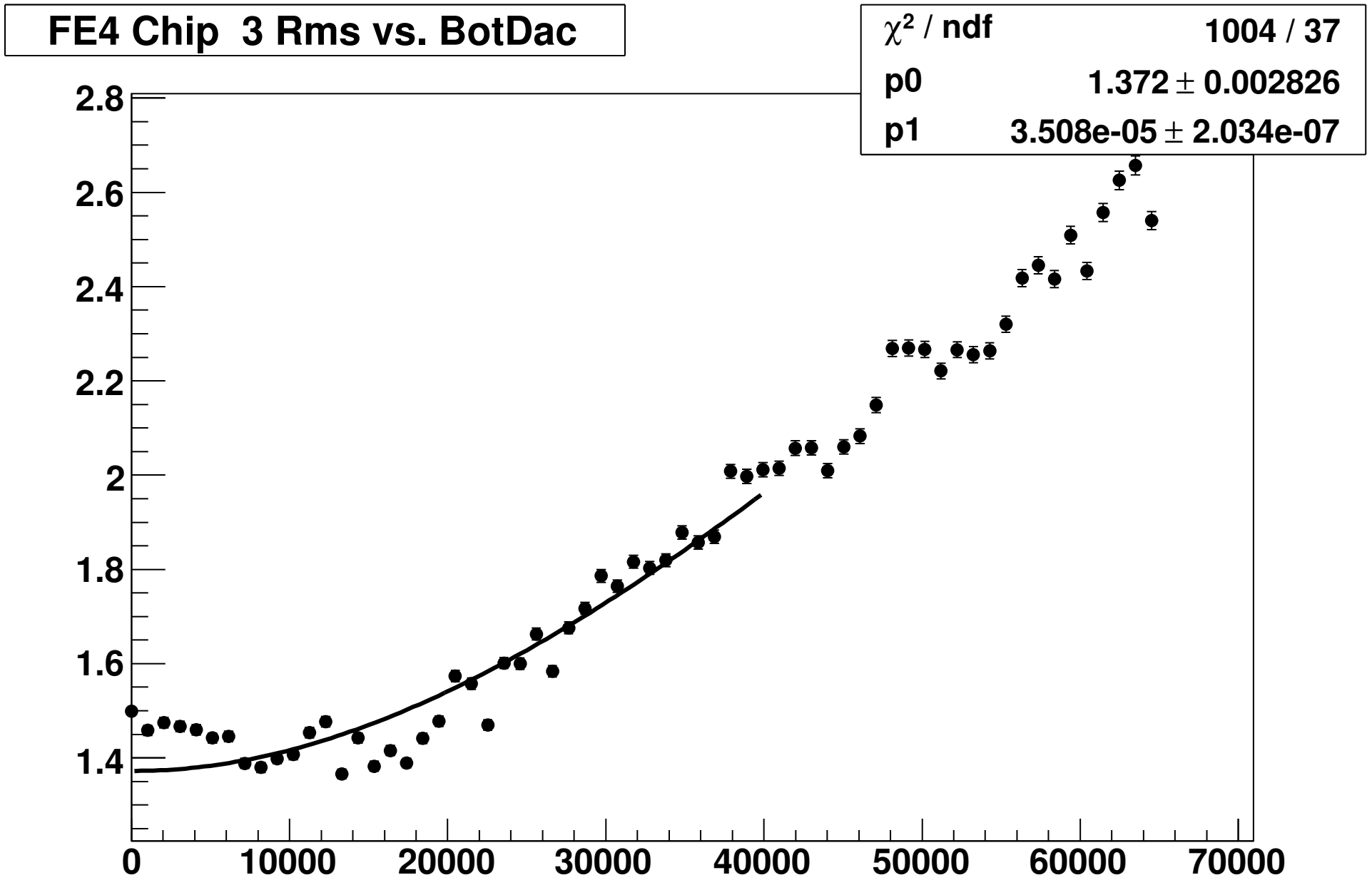
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 1004 / 37
p0 1.372 ± 0.002826
p1 3.508e-05 ± 2.034e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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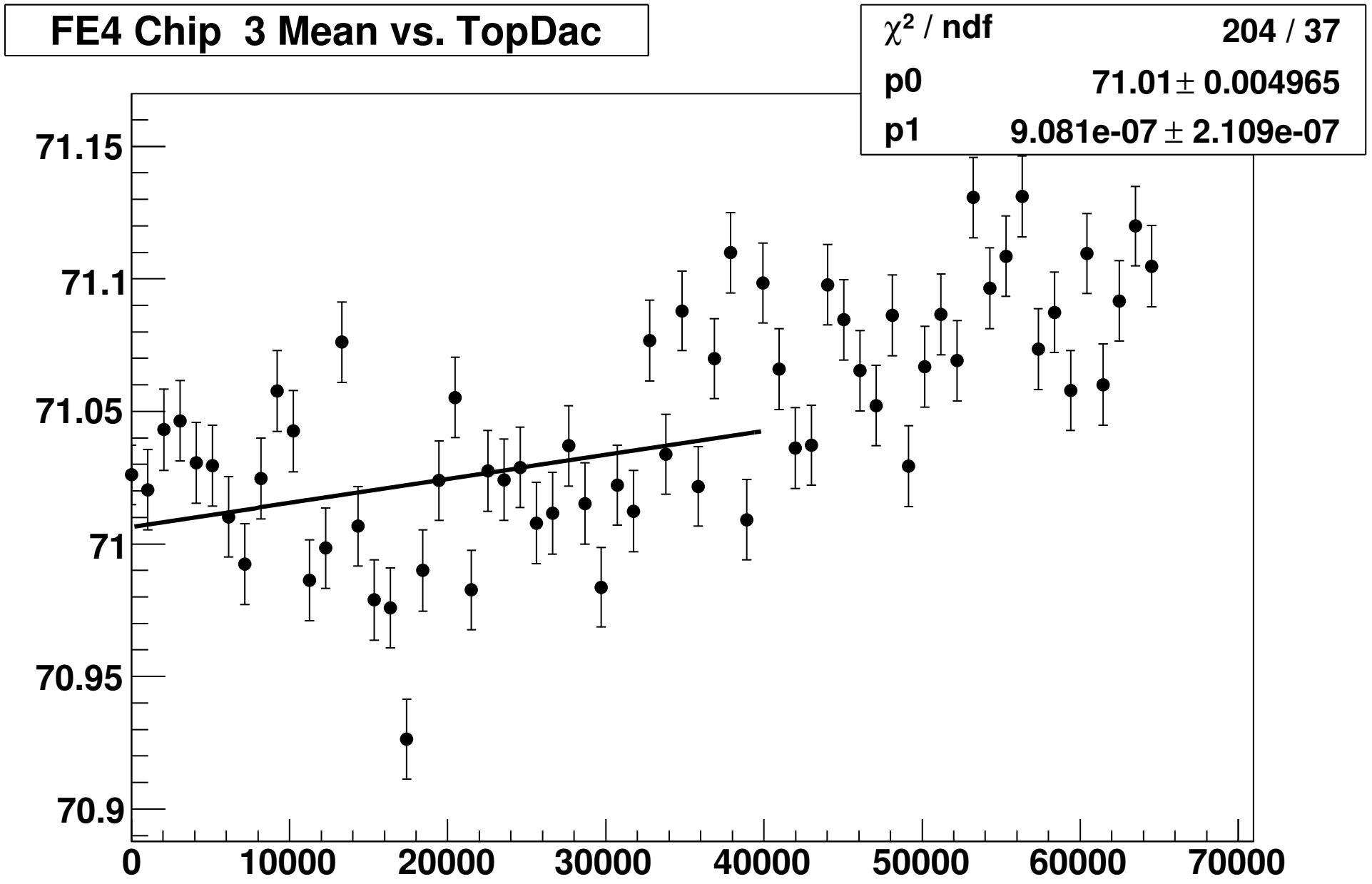
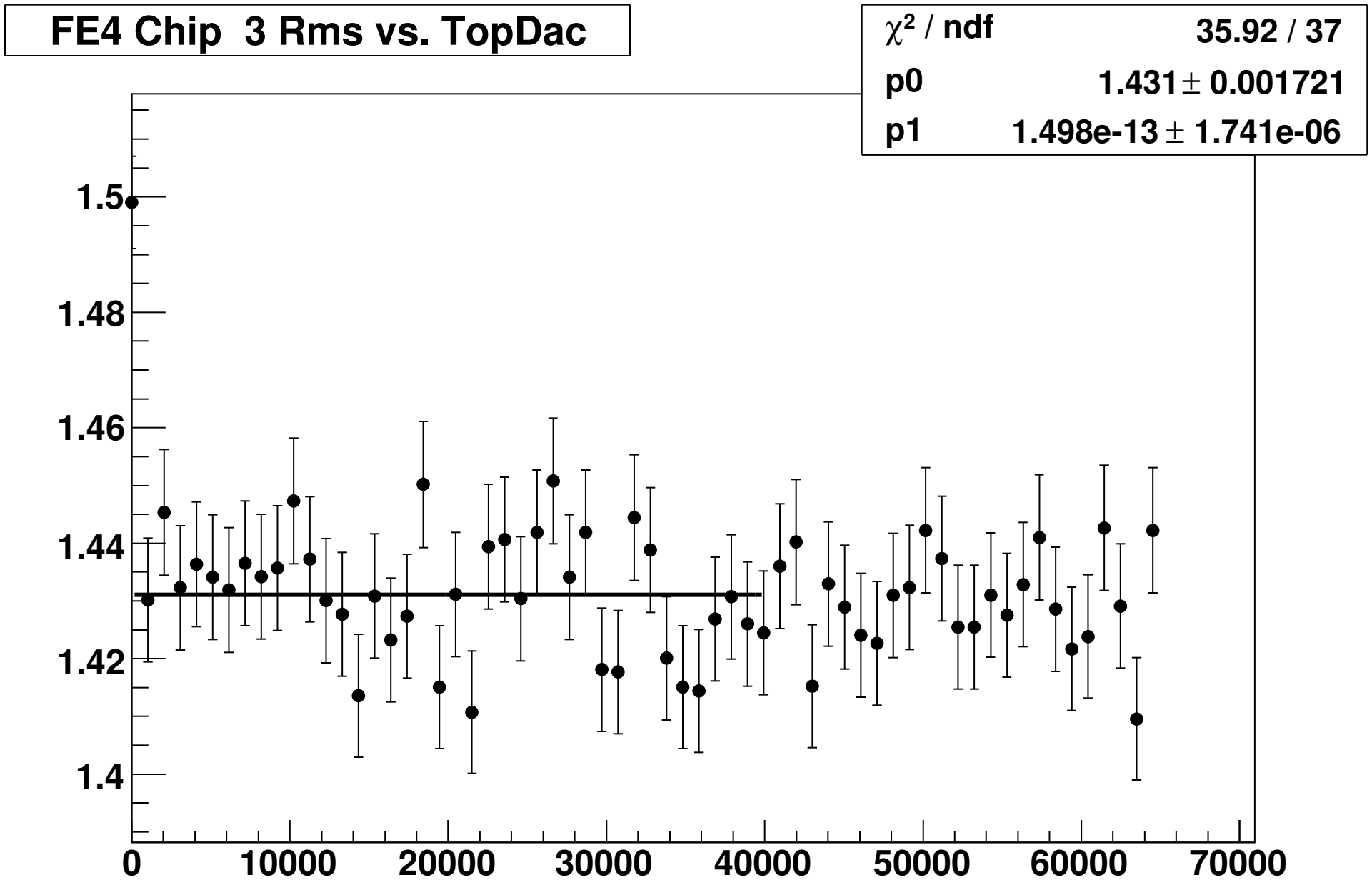
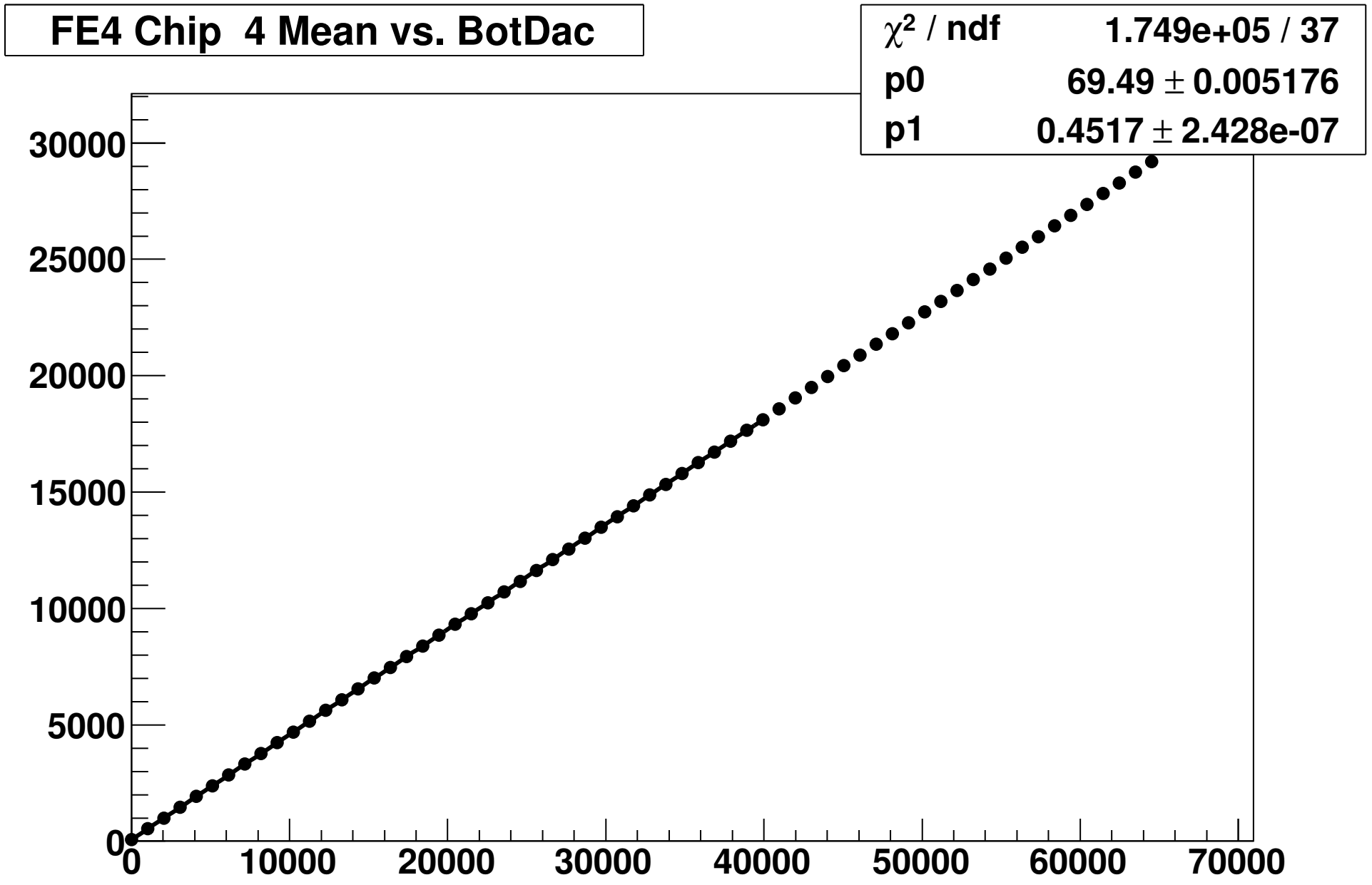
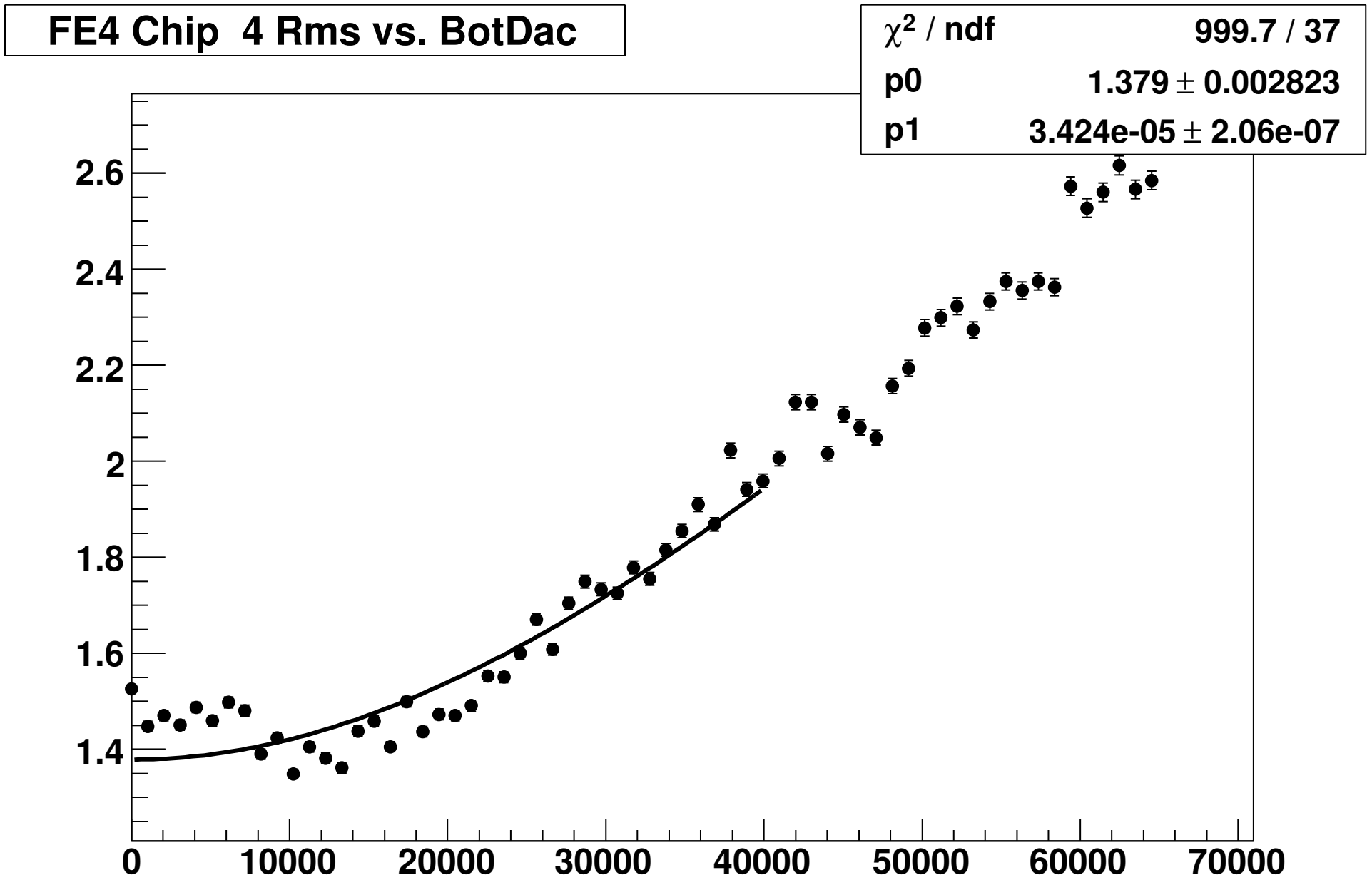

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 204 / 37
p0 71.01 ± 0.004965
p1 9.081e-07 ± 2.109e-07
71.15
71.1
71.05
71
70.95
70.9
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 35.92 / 37
p0 1.431 ± 0.001721
p1 1.498e-13 ± 1.741e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 1.749e+05 / 37
p0 69.49 ± 0.005176
p1 0.4517 ± 2.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 999.7 / 37
p0 1.379 ± 0.002823
p1 3.424e-05 ± 2.06e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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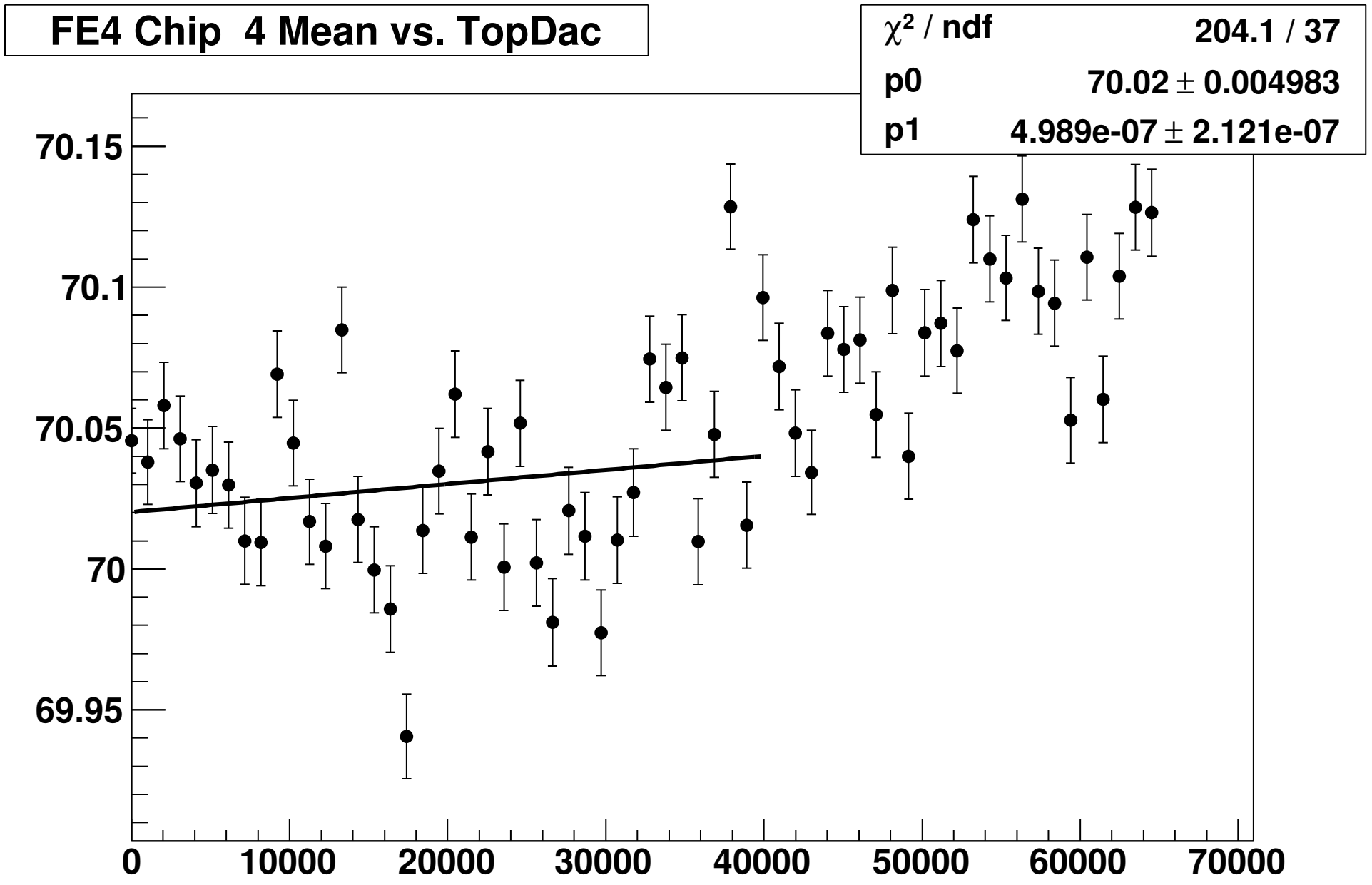
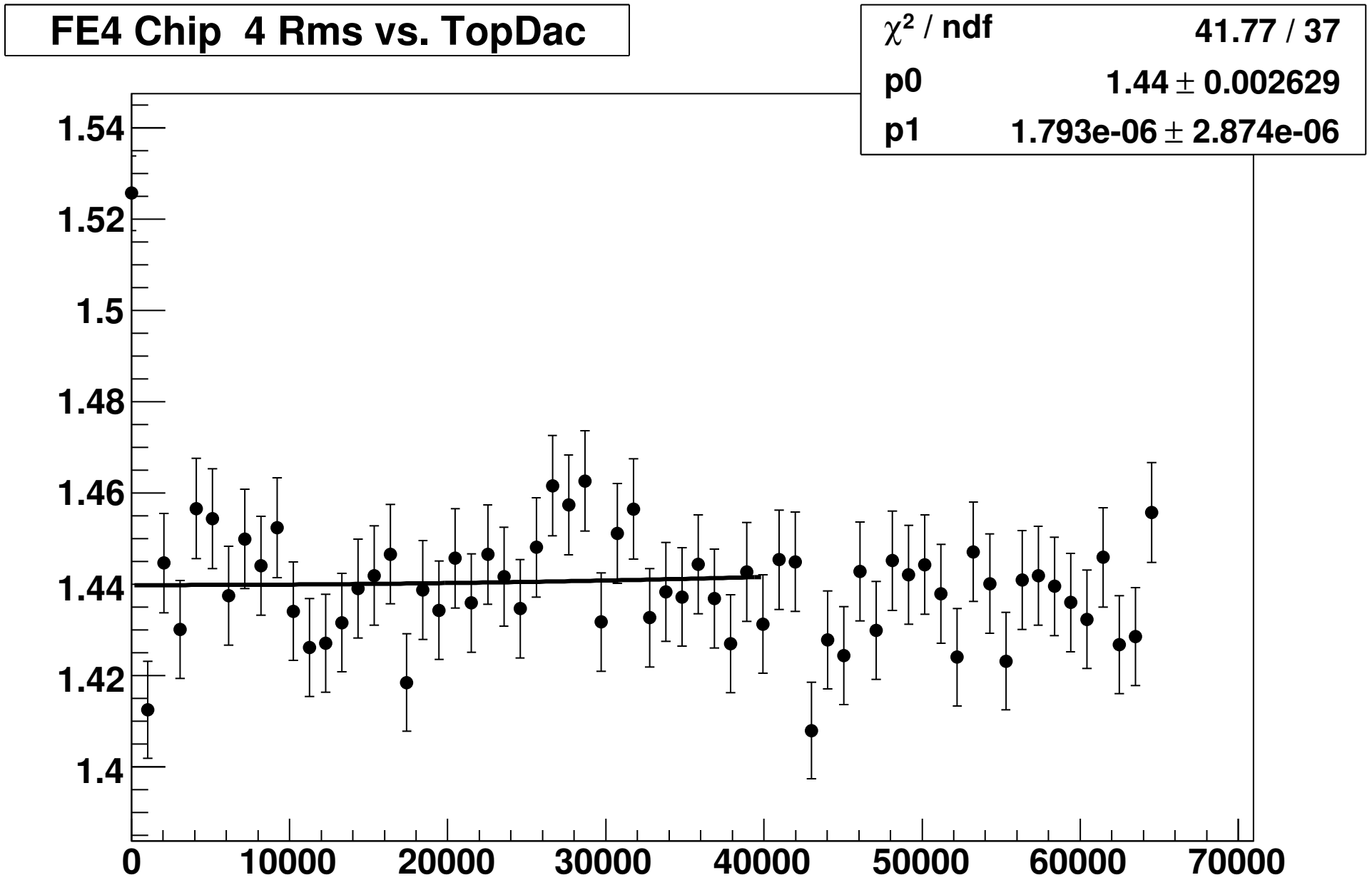
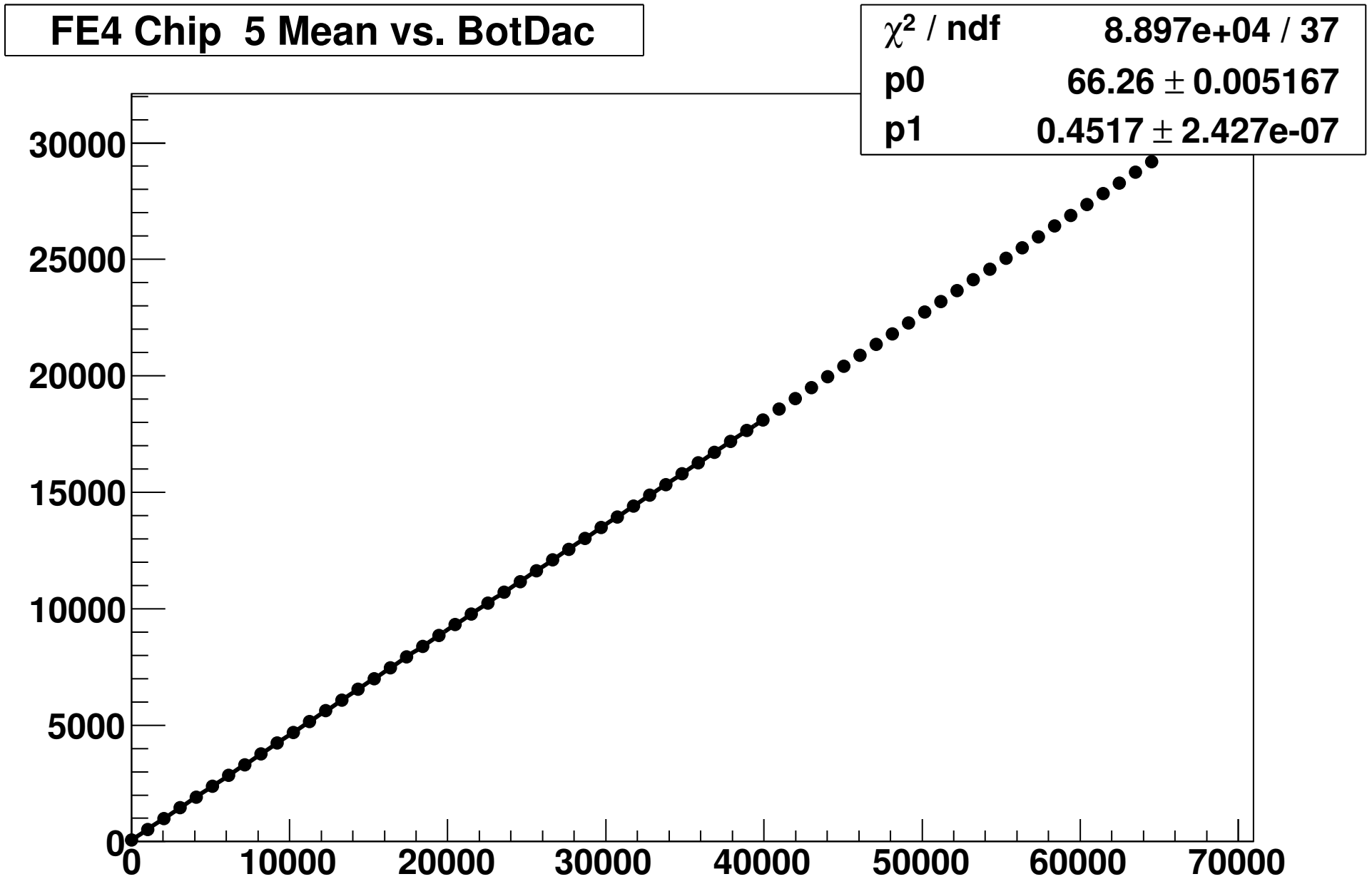

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 204.1 / 37
p0 70.02 ± 0.004983
p1 4.989e-07 ± 2.121e-07
70.15
70.1
70.05
70
69.95
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 41.77 / 37
p0 1.44 ± 0.002629
p1 1.793e-06 ± 2.874e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 8.897e+04 / 37
p0 66.26 ± 0.005167
p1 0.4517 ± 2.427e-07
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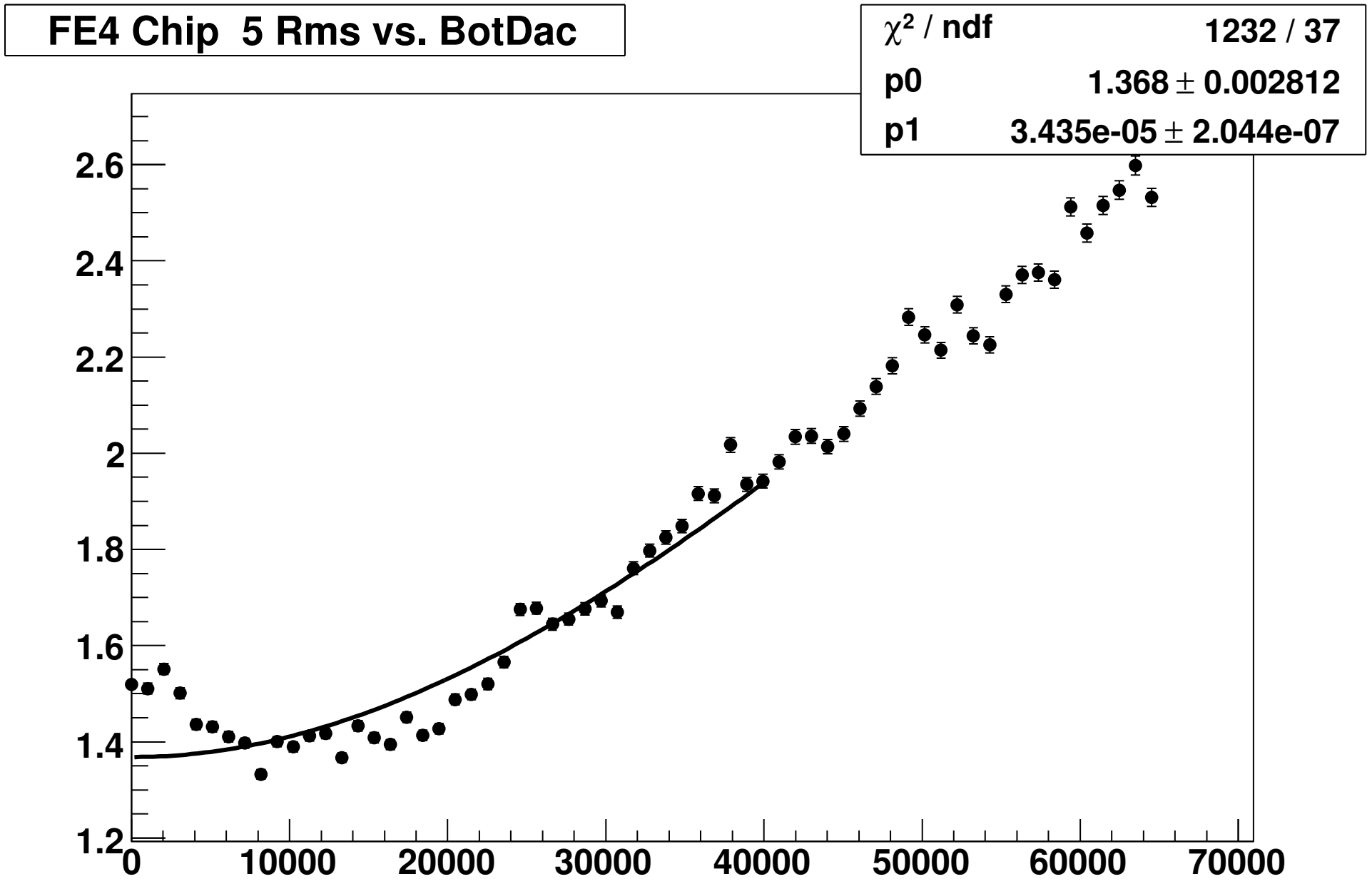
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 1232 / 37
p0 1.368 ± 0.002812
p1 3.435e-05 ± 2.044e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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40000
50000
60000
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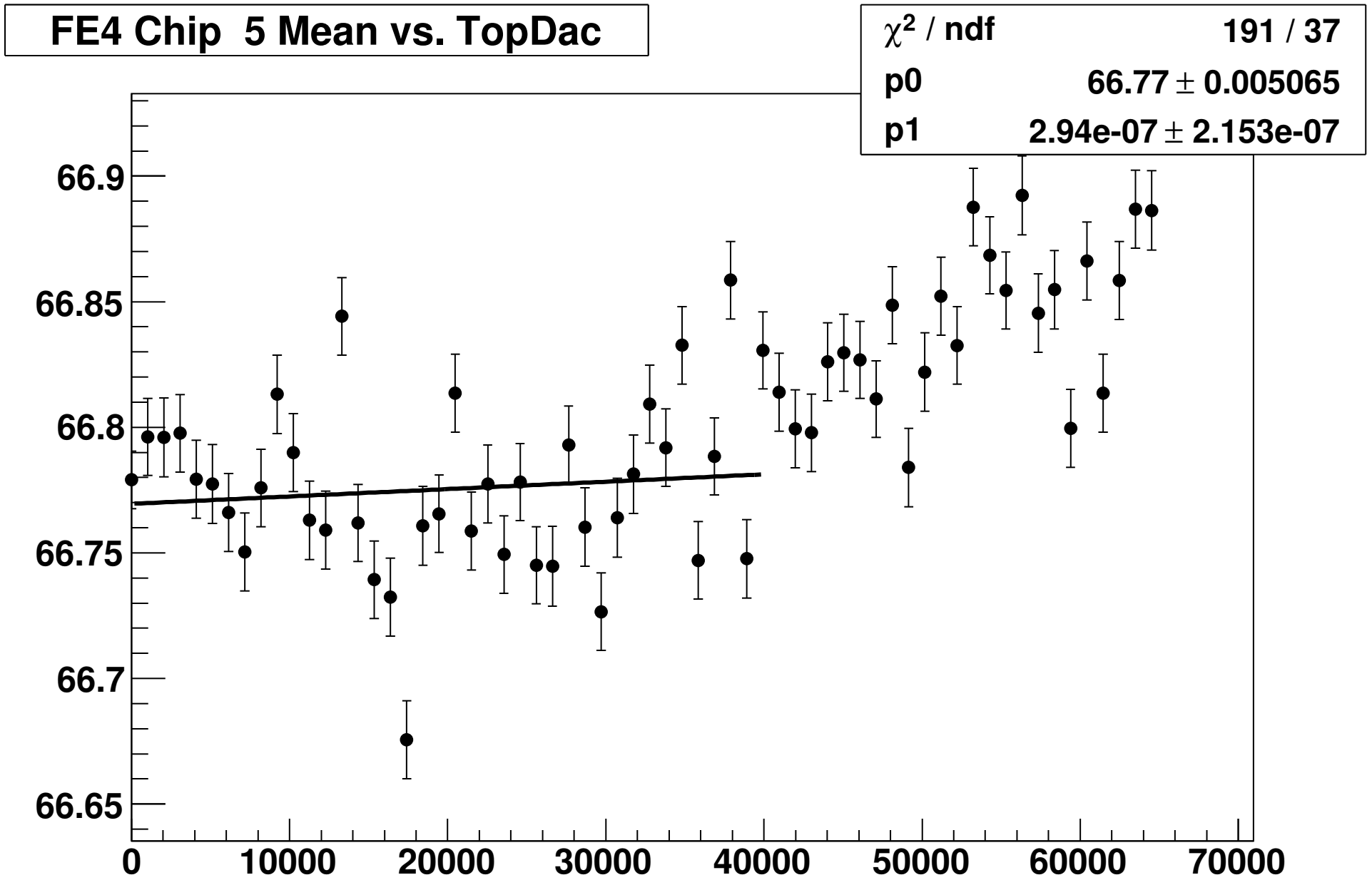
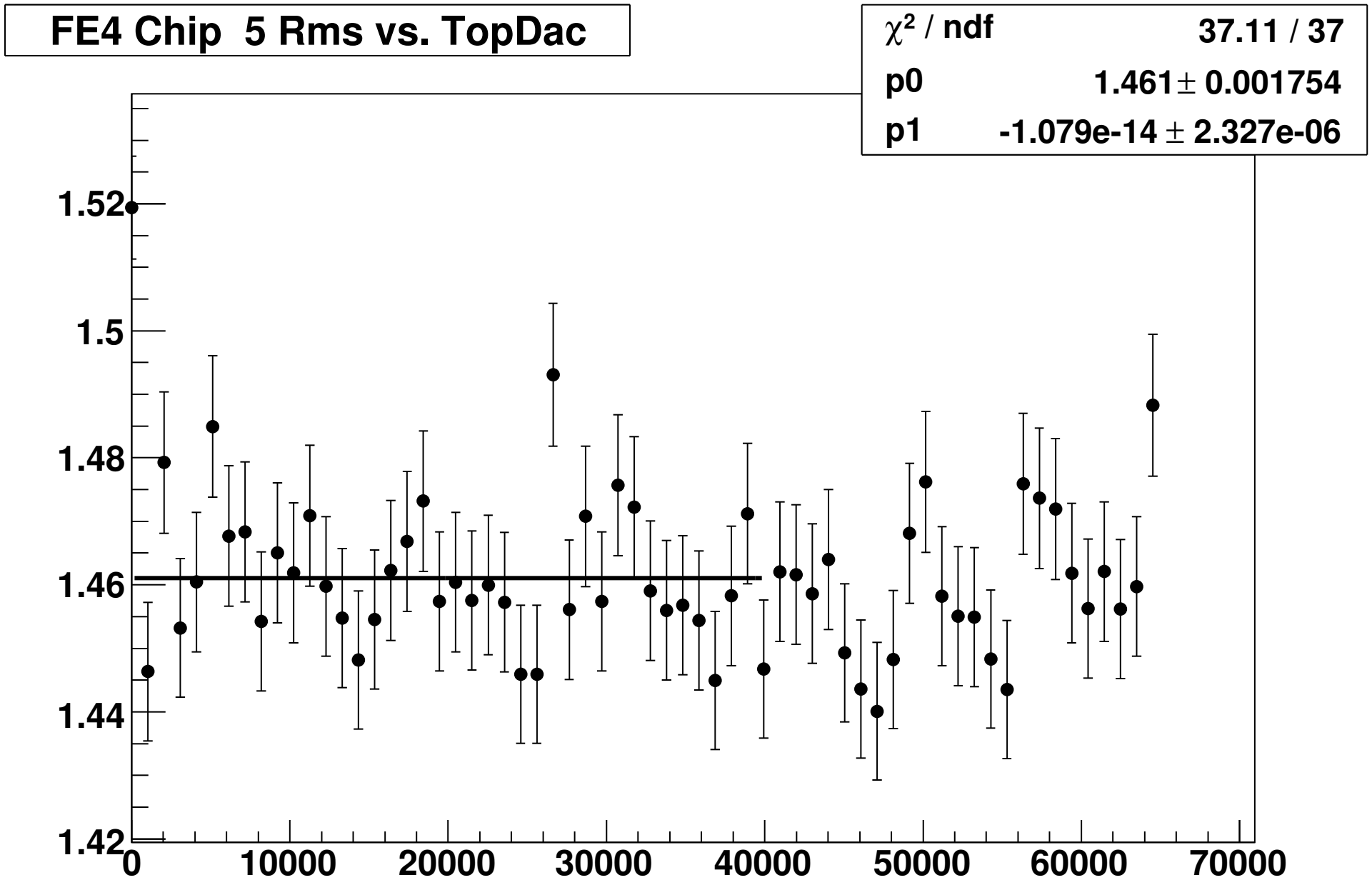
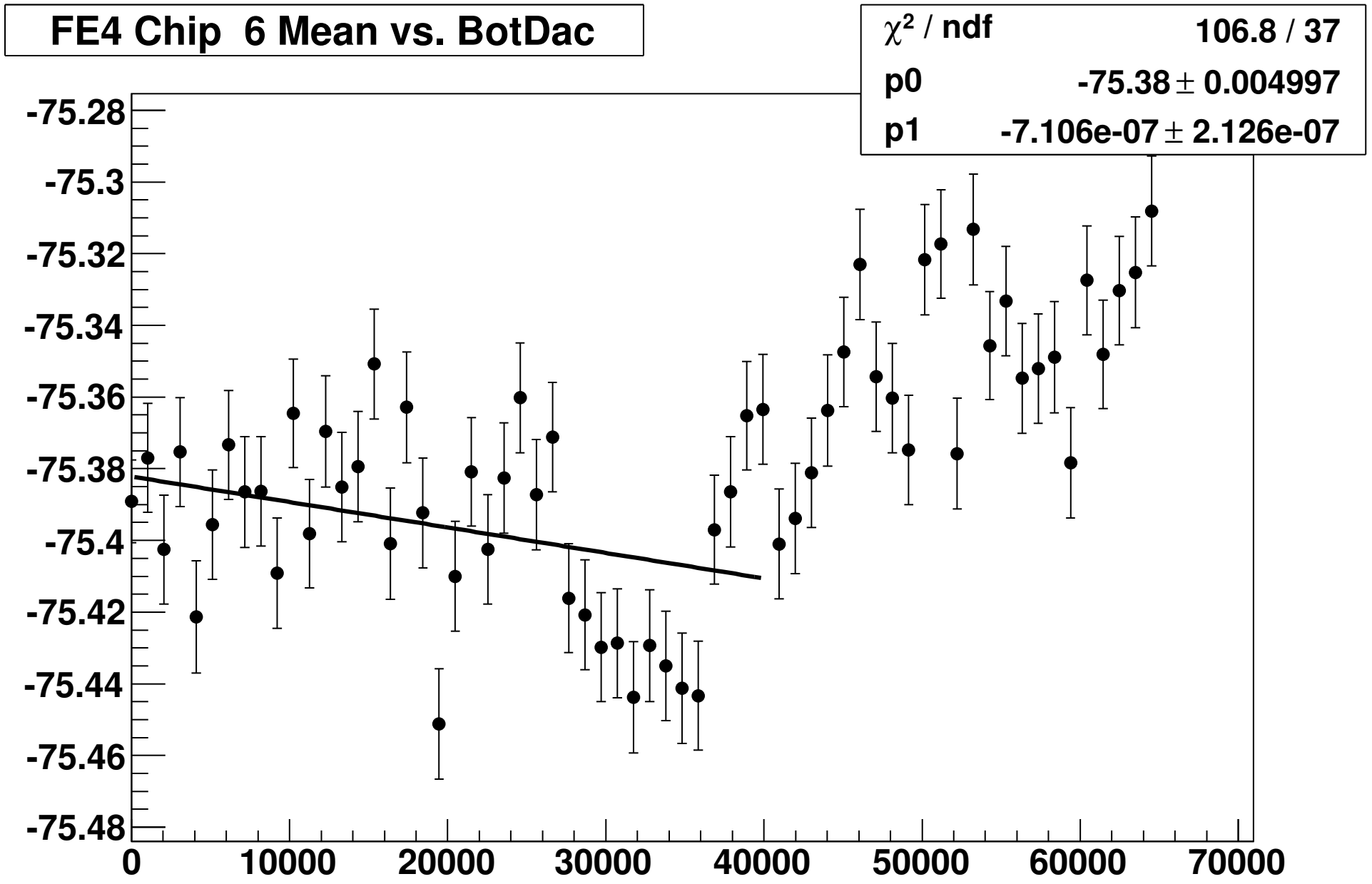
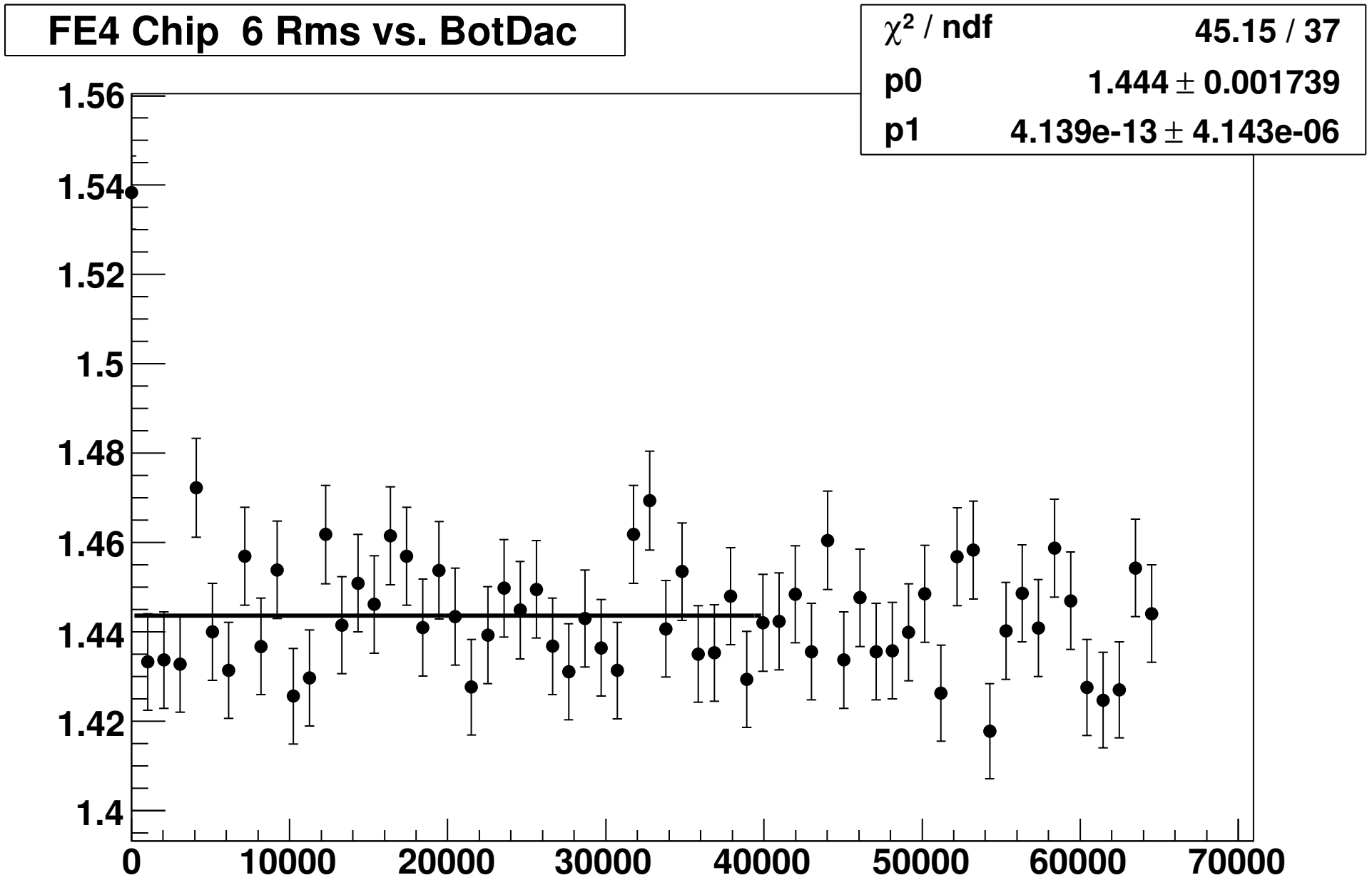
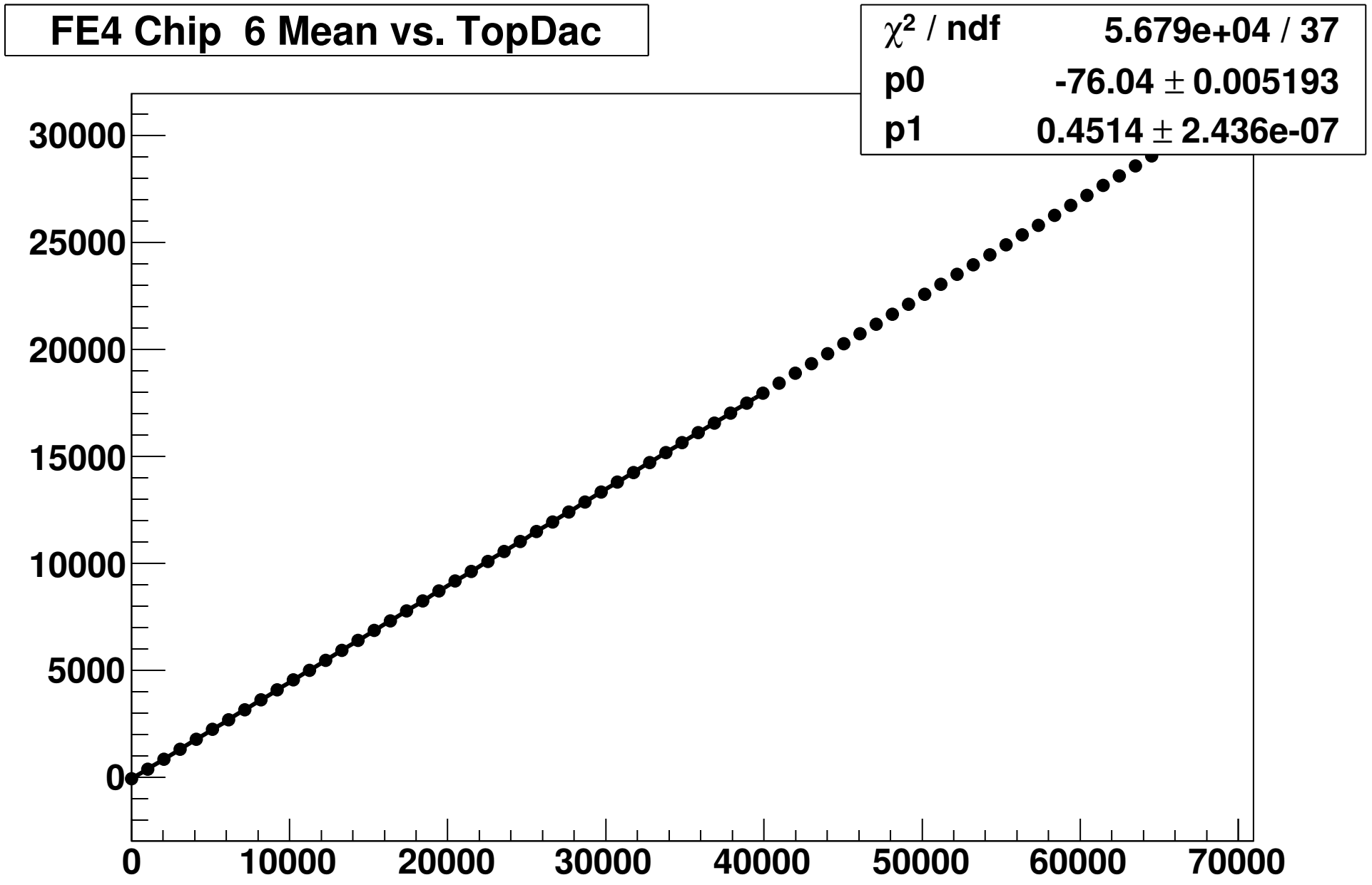

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 191 / 37
p0 66.77 ± 0.005065
p1 2.94e-07 ± 2.153e-07
66.9
66.85
66.8
66.75
66.7
66.65
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 37.11 / 37
p0 1.461 ± 0.001754
p1 -1.079e-14 ± 2.327e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 106.8 / 37
p0 -75.38 ± 0.004997
p1 -7.106e-07 ± 2.126e-07
-75.28
-75.3
-75.32
-75.34
-75.36
-75.38
-75.4
-75.42
-75.44
-75.46
-75.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 45.15 / 37
p0 1.444 ± 0.001739
p1 4.139e-13 ± 4.143e-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
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 5.679e+04 / 37
p0 -76.04 ± 0.005193
p1 0.4514 ± 2.436e-07
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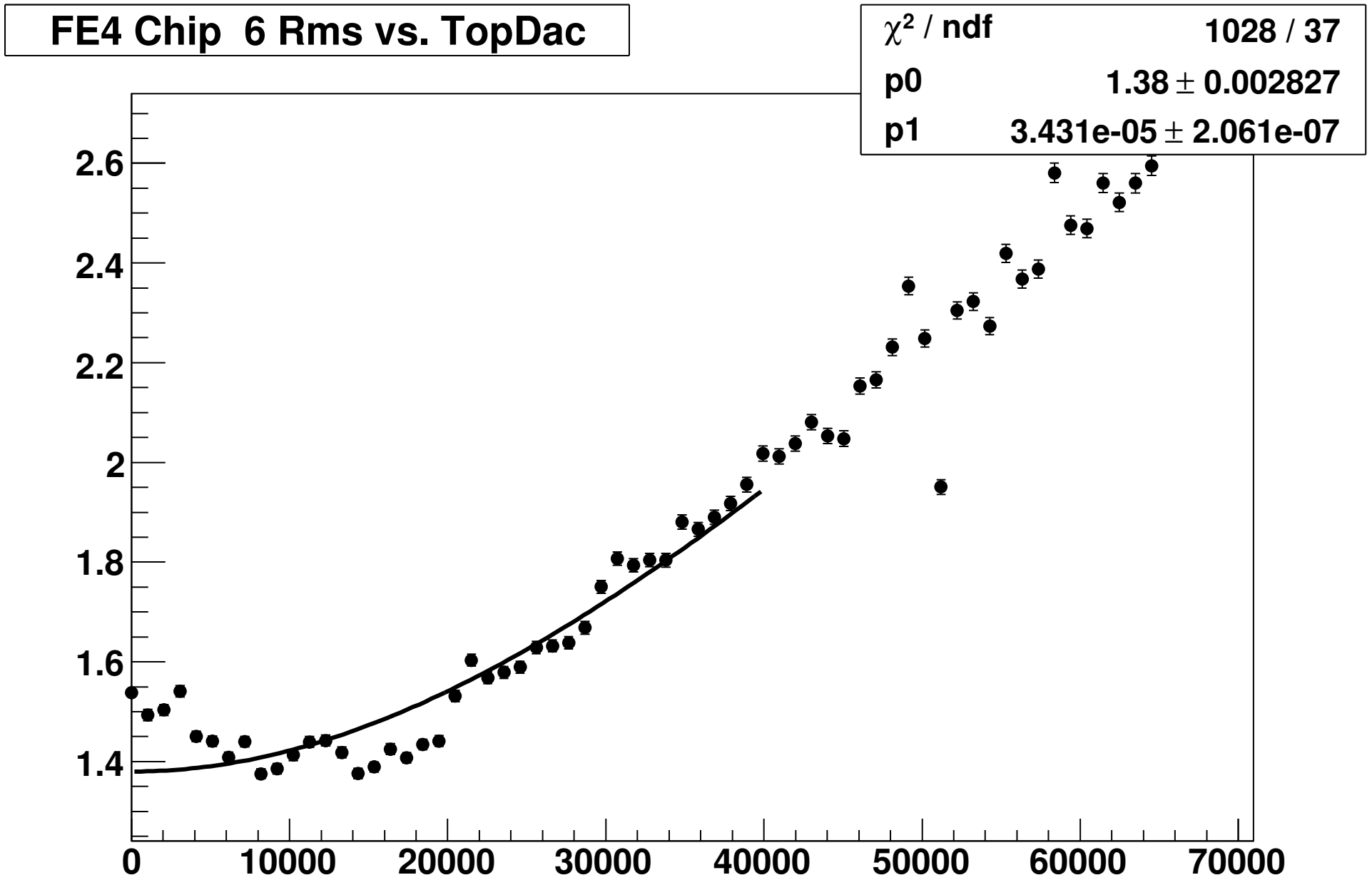
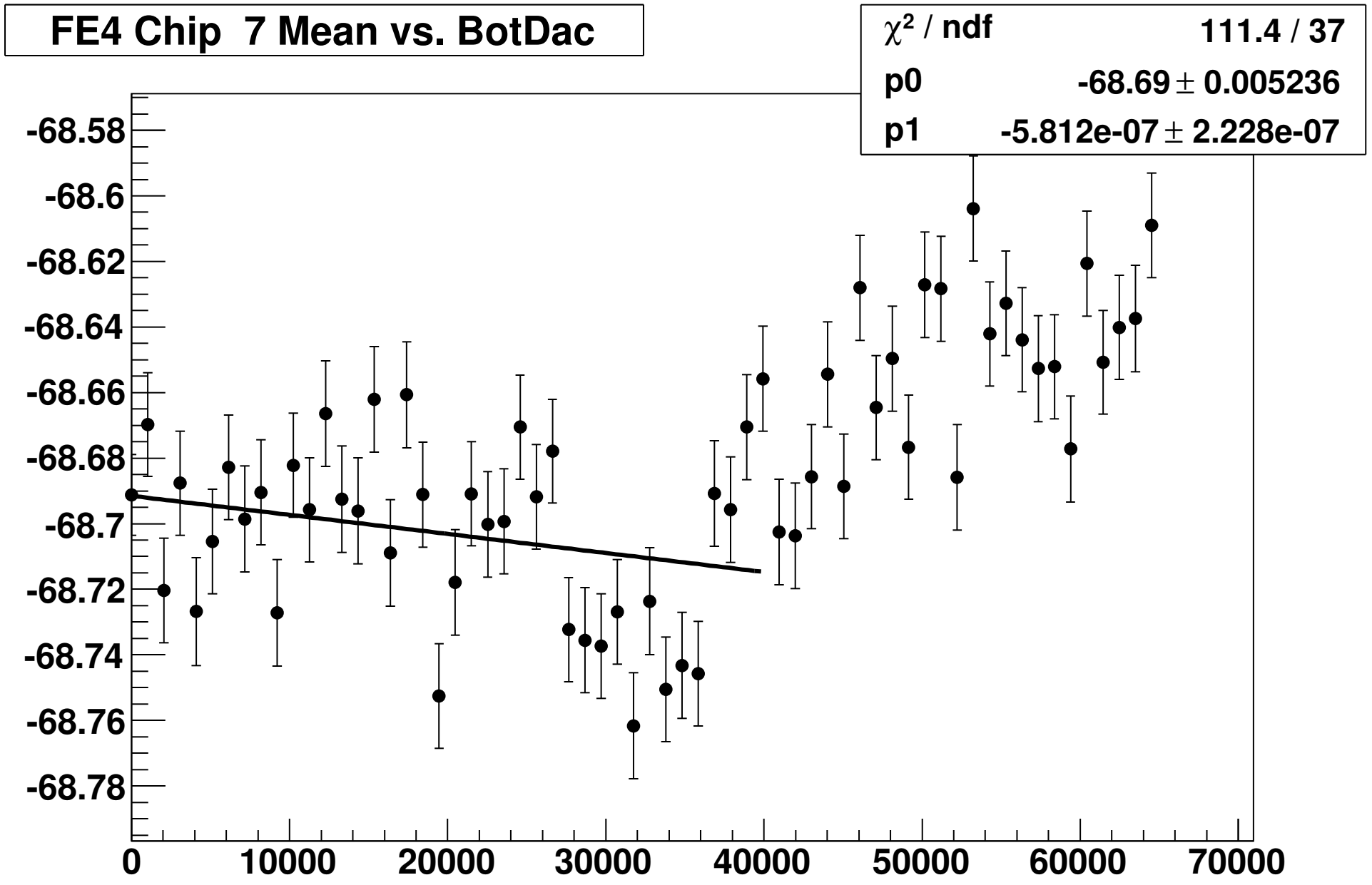
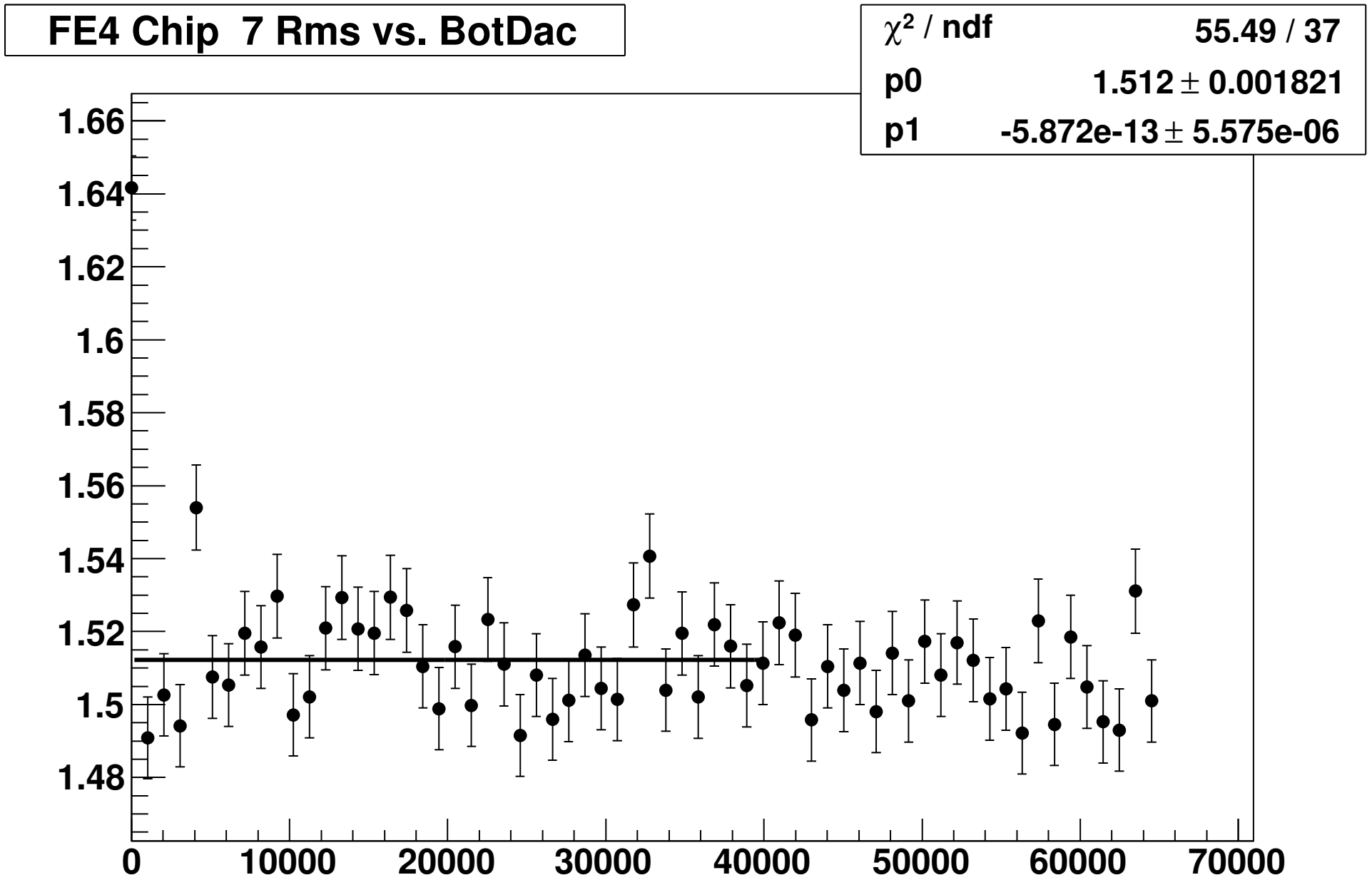
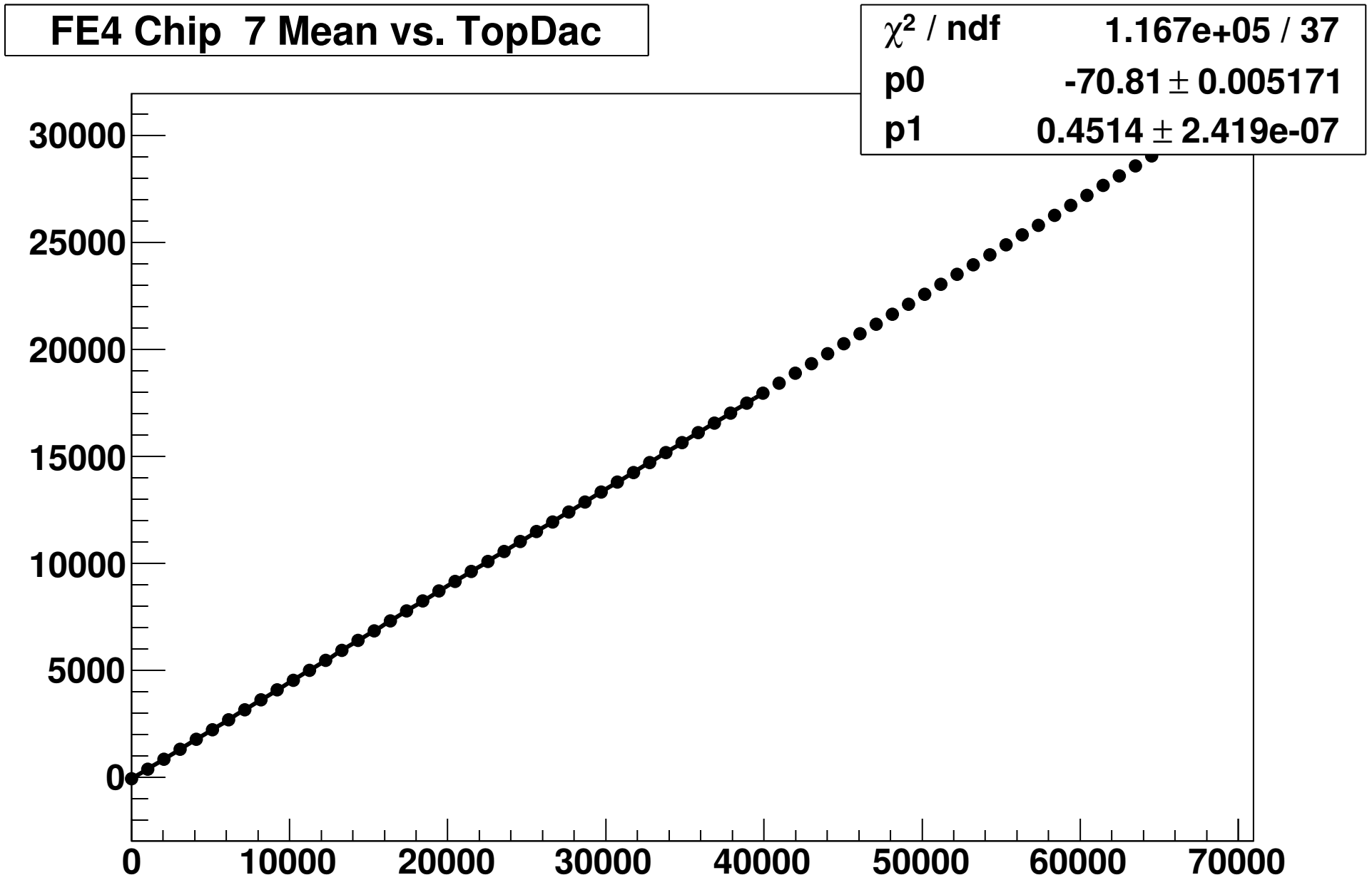
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1028 / 37
p0 1.38 ± 0.002827
p1 3.431e-05 ± 2.061e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 111.4 / 37
p0 -68.69 ± 0.005236
p1 -5.812e-07 ± 2.228e-07
-68.58
-68.6
-68.62
-68.64
-68.66
-68.68
-68.7
-68.72
-68.74
-68.76
-68.78
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 55.49 / 37
p0 1.512 ± 0.001821
p1 -5.872e-13 ± 5.575e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.167e+05 / 37
p0 -70.81 ± 0.005171
p1 0.4514 ± 2.419e-07
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25000
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15000
10000
5000
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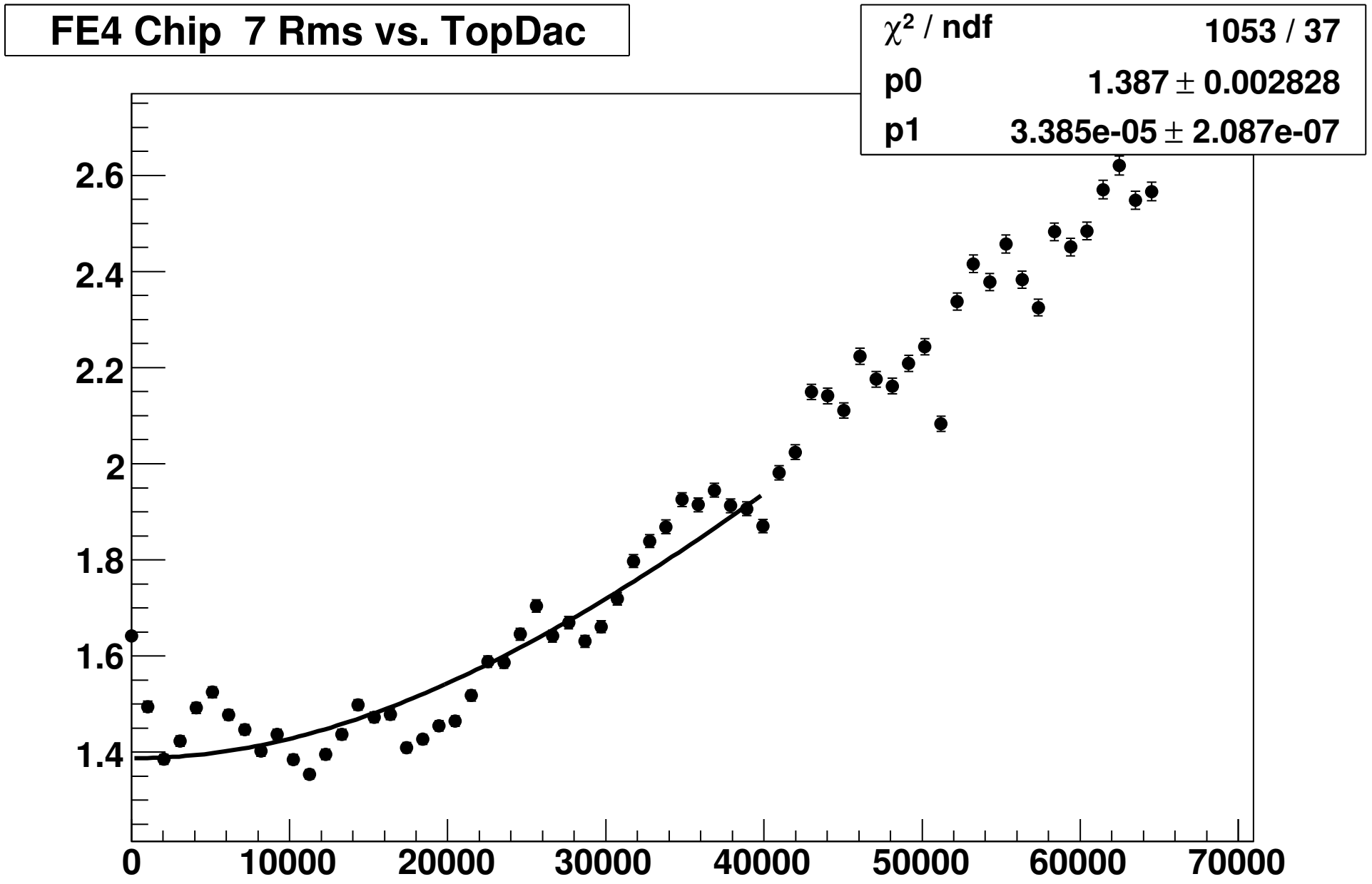
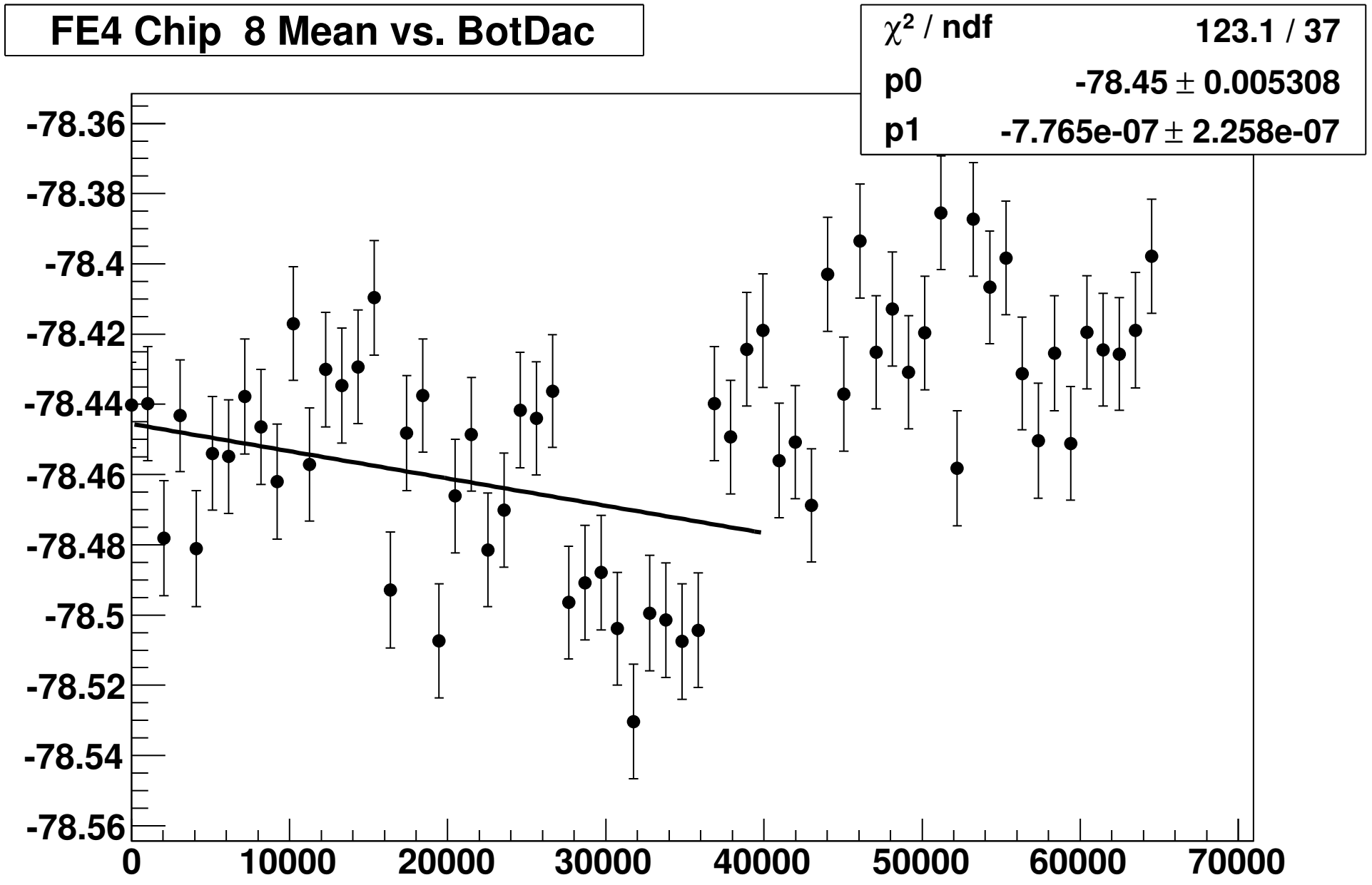
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1053 / 37
p0 1.387 ± 0.002828
p1 3.385e-05 ± 2.087e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 123.1 / 37
p0 -78.45 ± 0.005308
p1 -7.765e-07 ± 2.258e-07
-78.36
-78.38
-78.4
-78.42
-78.44
-78.46
-78.48
-78.5
-78.52
-78.54
-78.56
0
10000
20000
30000
40000
50000
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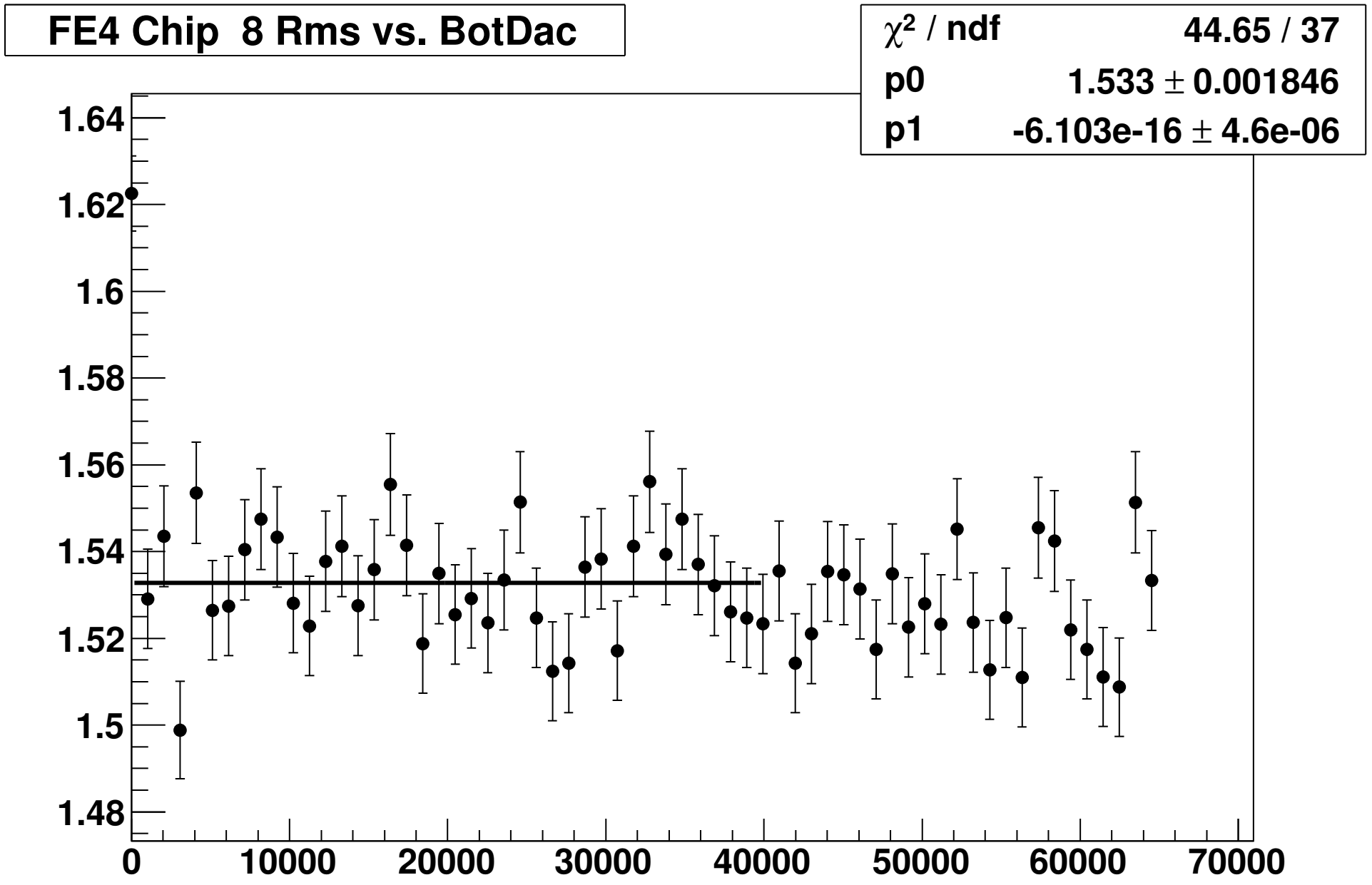
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 44.65 / 37
p0 1.533 ± 0.001846
p1 -6.103e-16 ± 4.6e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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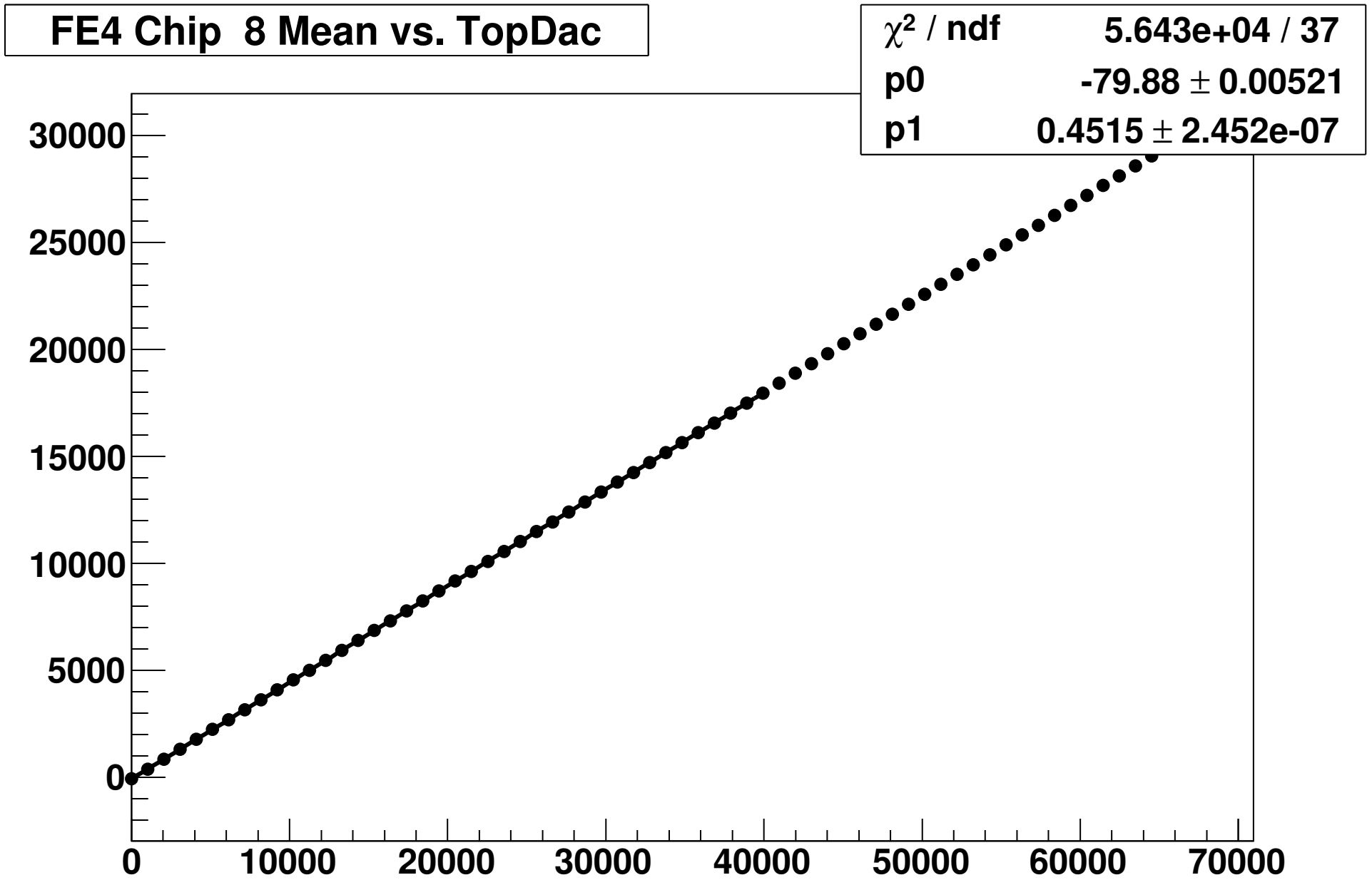
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 5.643e+04 / 37
p0 -79.88 ± 0.00521
p1 0.4515 ± 2.452e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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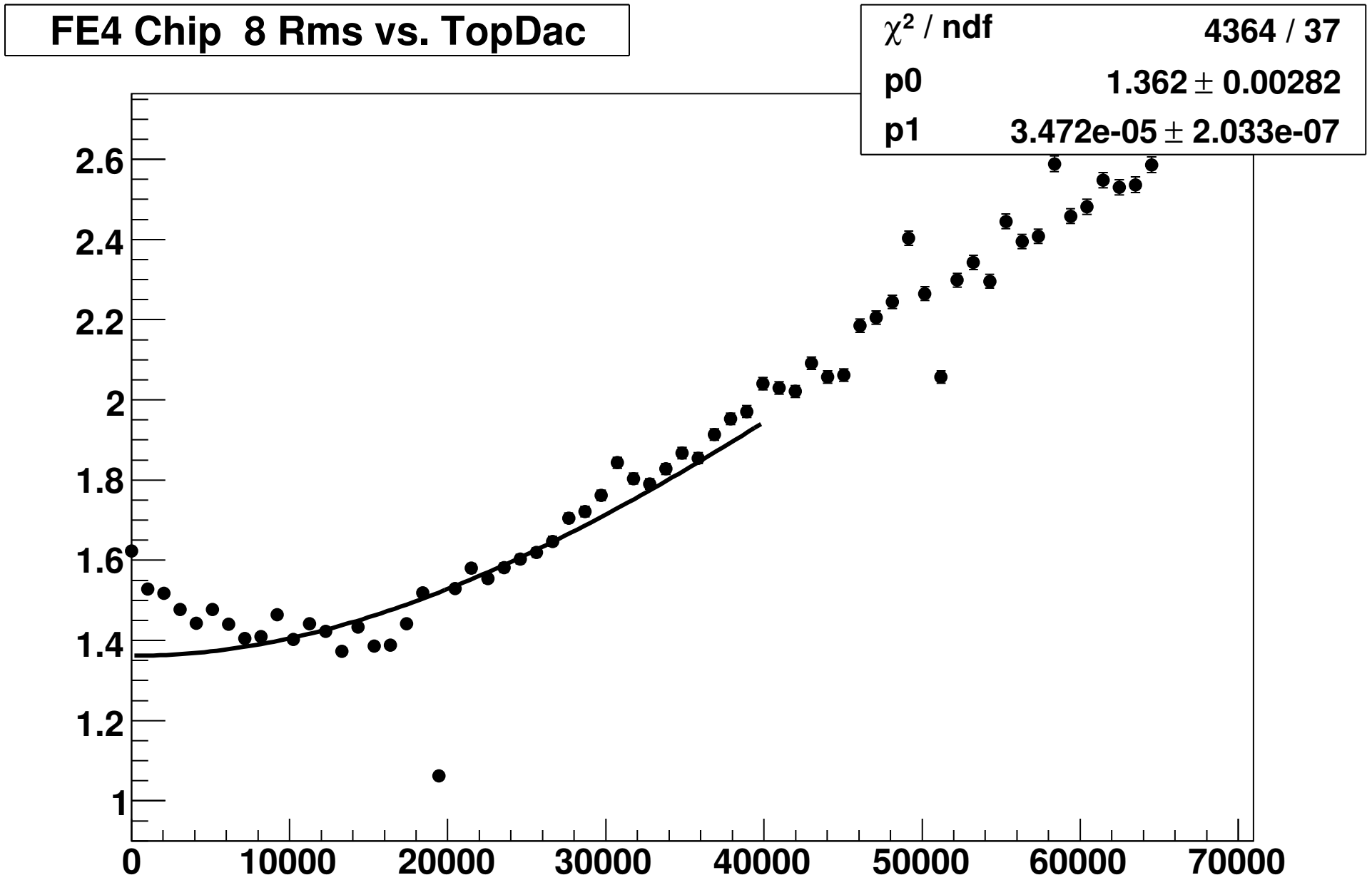
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 4364 / 37
p0 1.362 ± 0.00282
p1 3.472e-05 ± 2.033e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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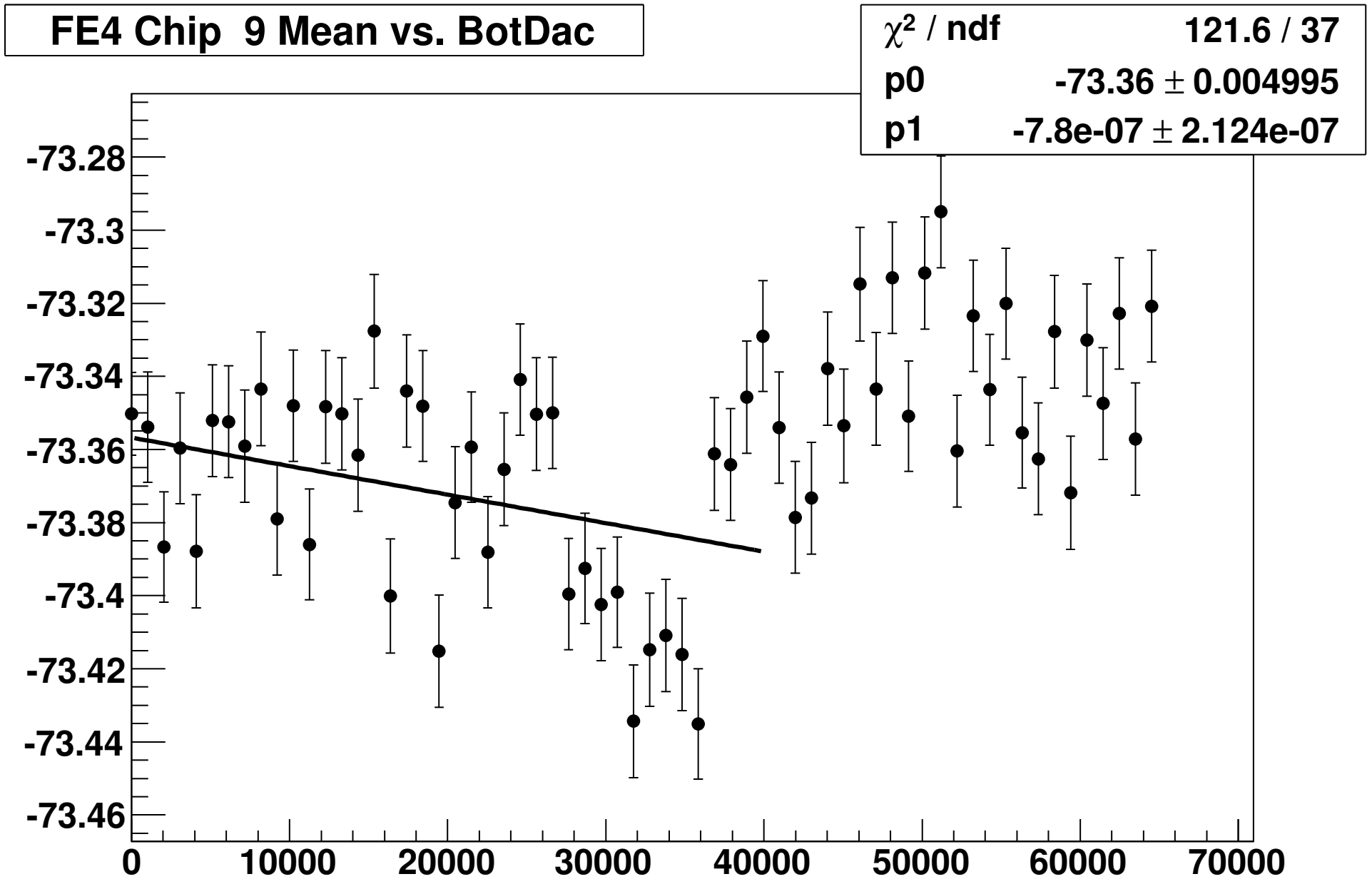
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 121.6 / 37
p0 -73.36 ± 0.004995
p1 -7.8e-07 ± 2.124e-07
-73.28
-73.3
-73.32
-73.34
-73.36
-73.38
-73.4
-73.42
-73.44
-73.46
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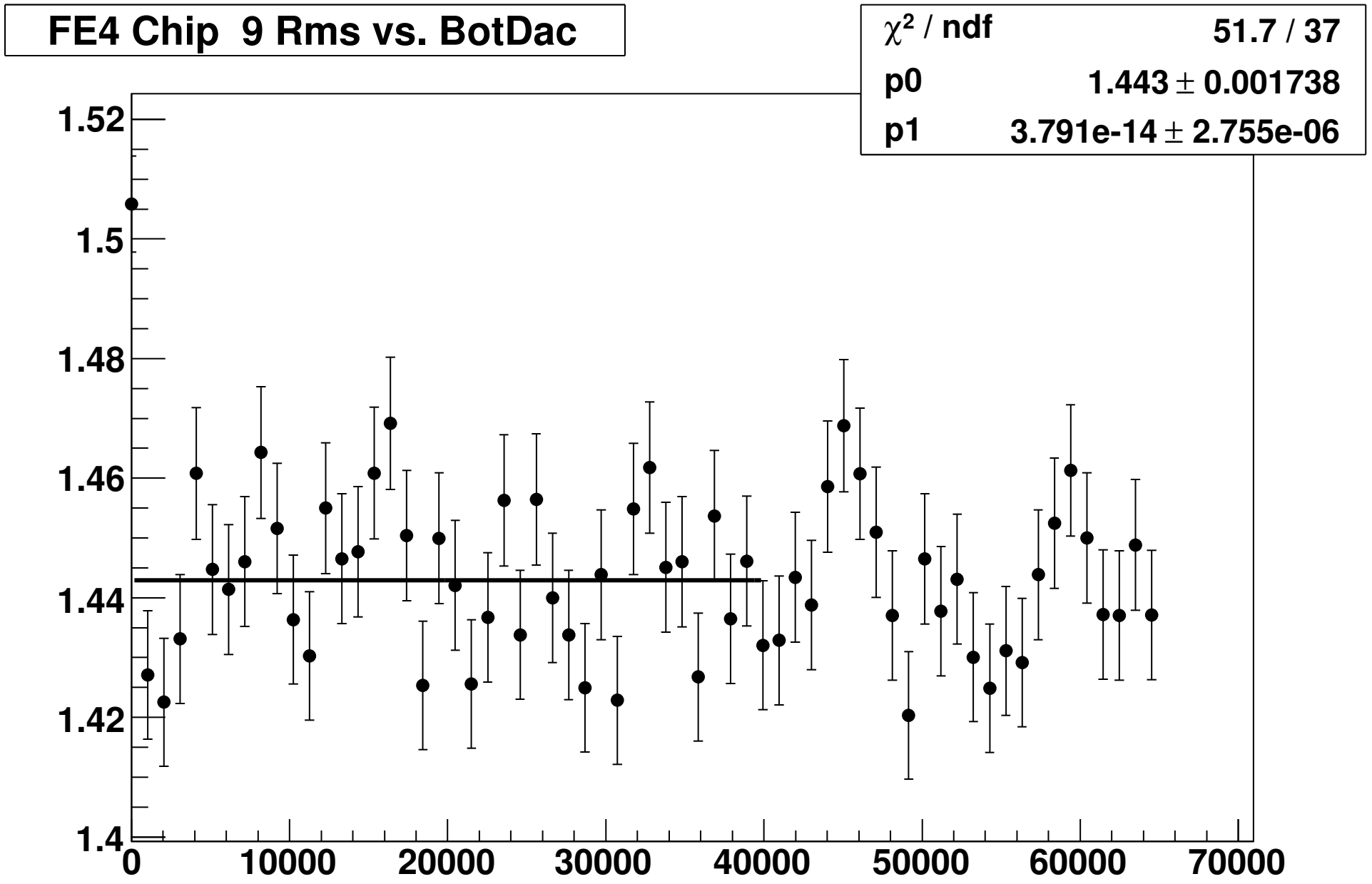
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 51.7 / 37
p0 1.443 ± 0.001738
p1 3.791e-14 ± 2.755e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
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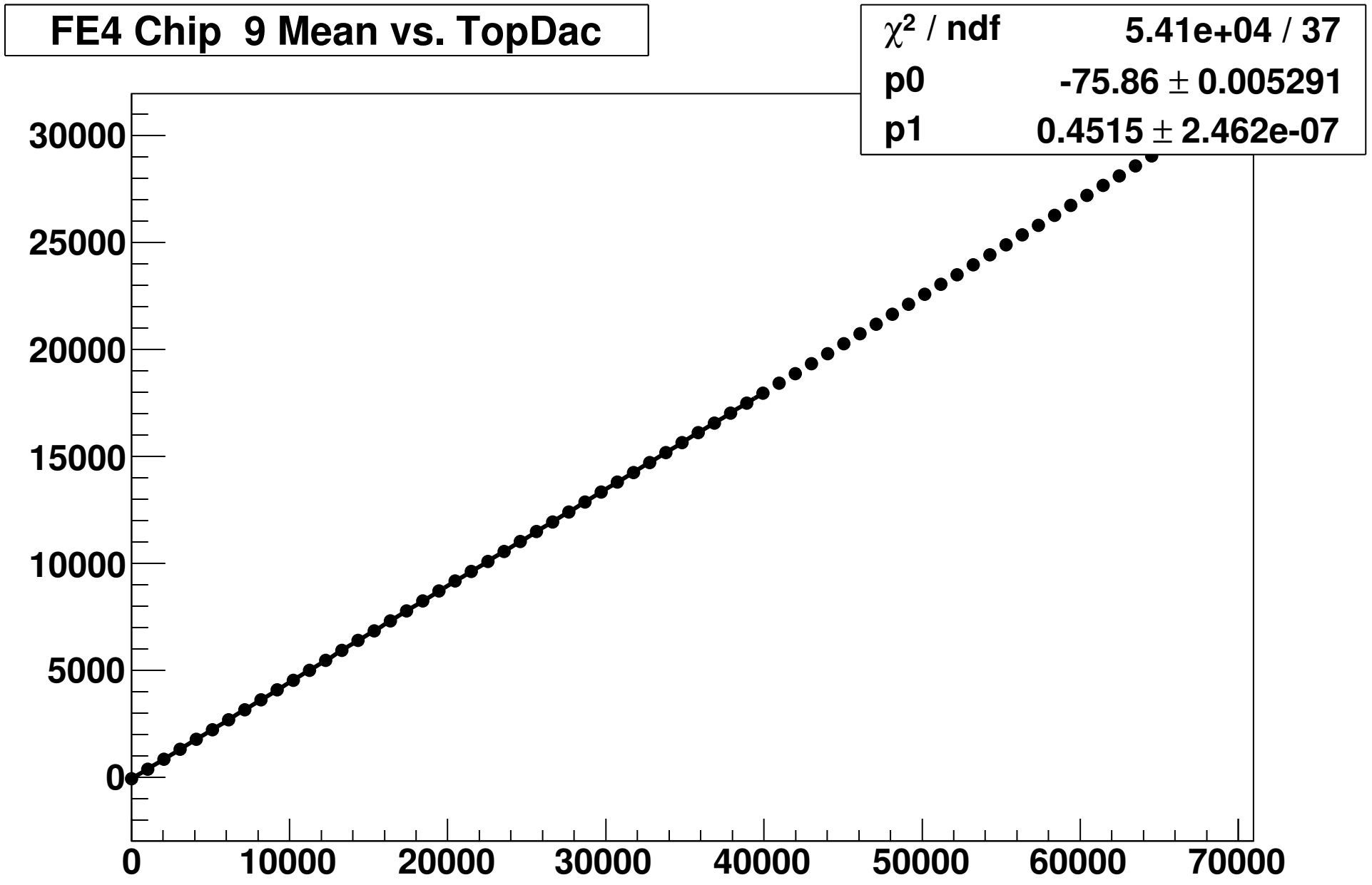
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 5.41e+04 / 37
p0 -75.86 ± 0.005291
p1 0.4515 ± 2.462e-07
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0
0
10000
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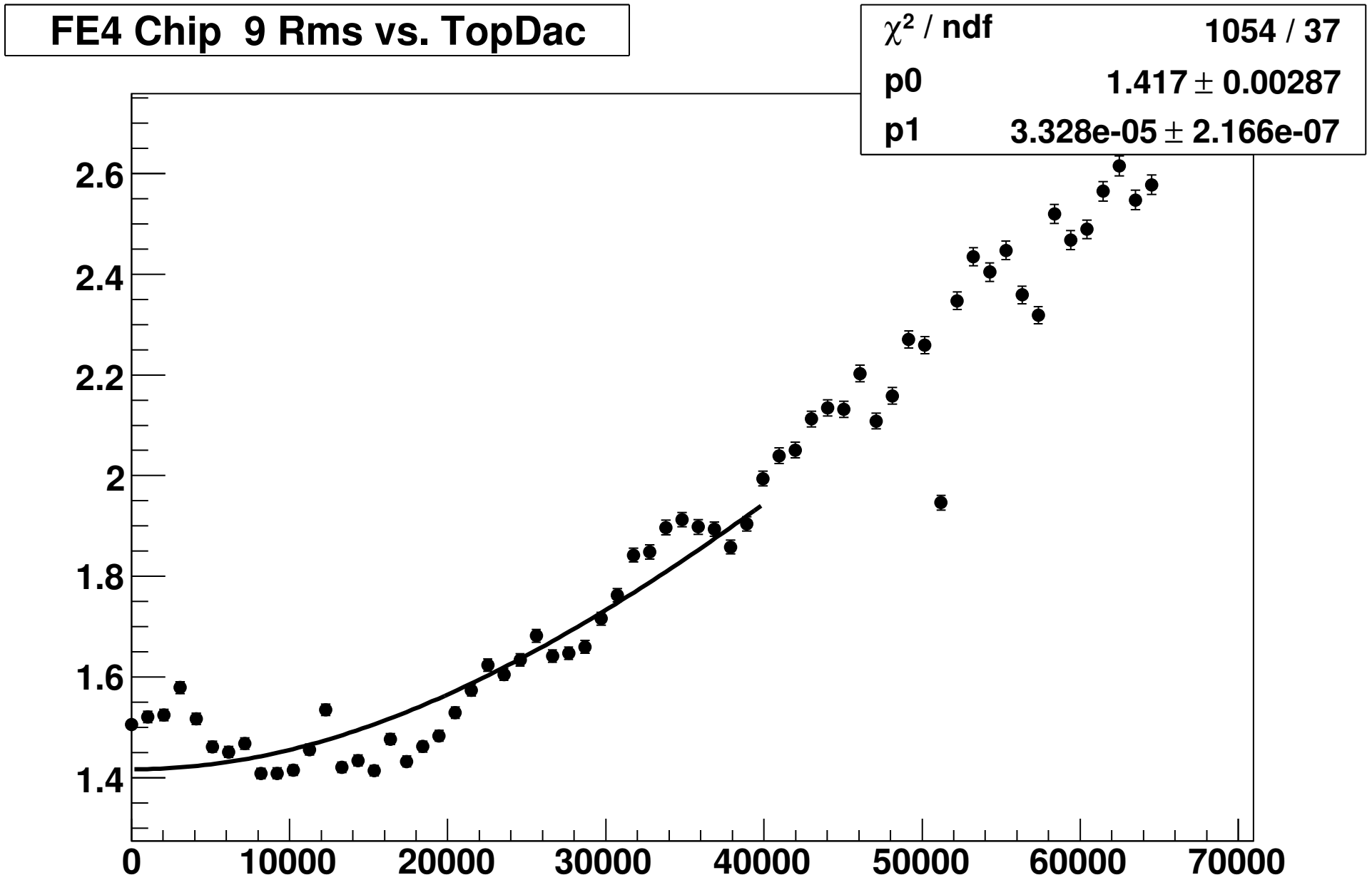
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1054 / 37
p0 1.417 ± 0.00287
p1 3.328e-05 ± 2.166e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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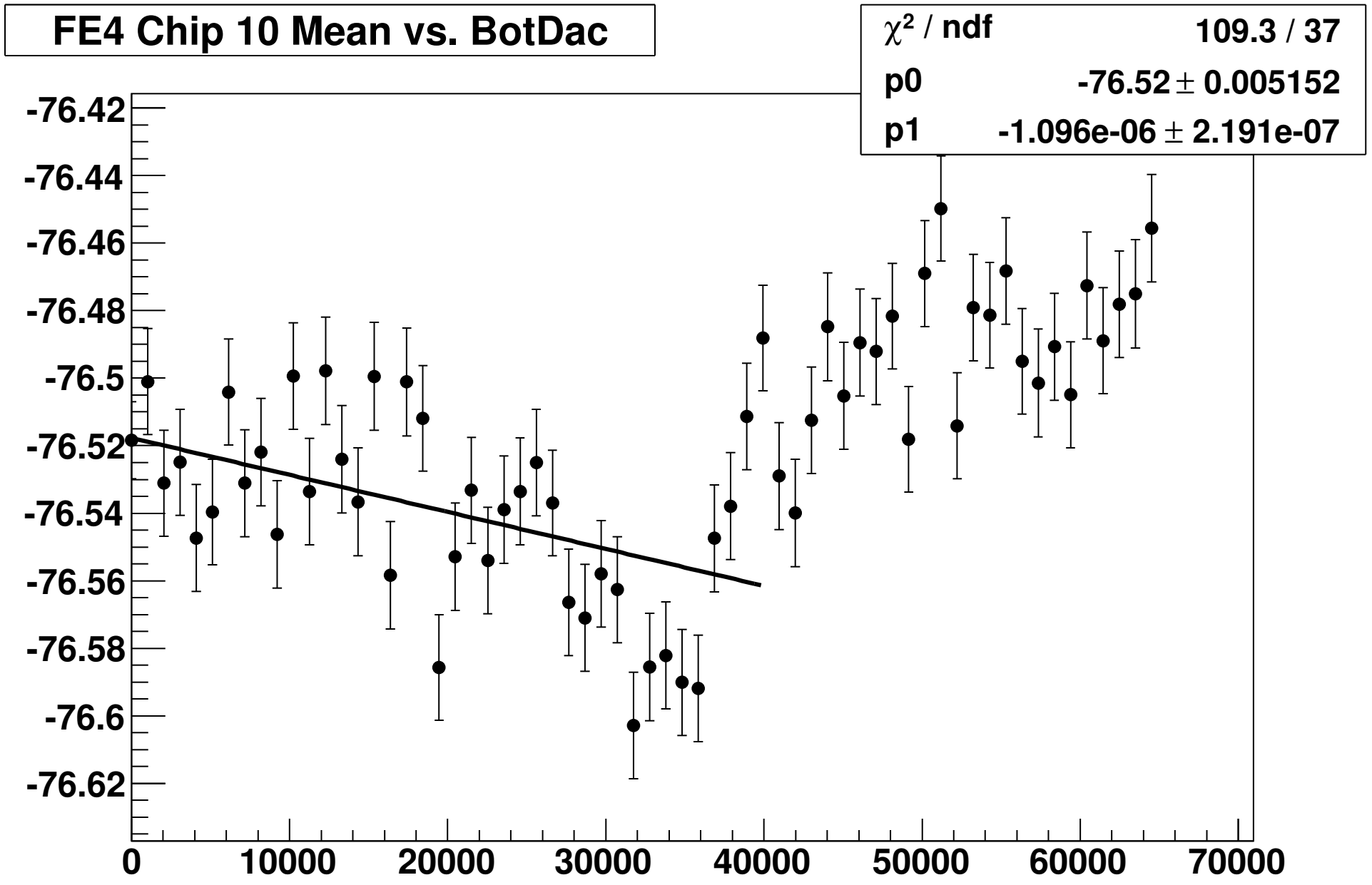
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 109.3 / 37
p0 -76.52 ± 0.005152
p1 -1.096e-06 ± 2.191e-07
-76.42
-76.44
-76.46
-76.48
-76.5
-76.52
-76.54
-76.56
-76.58
-76.6
-76.62
0
10000
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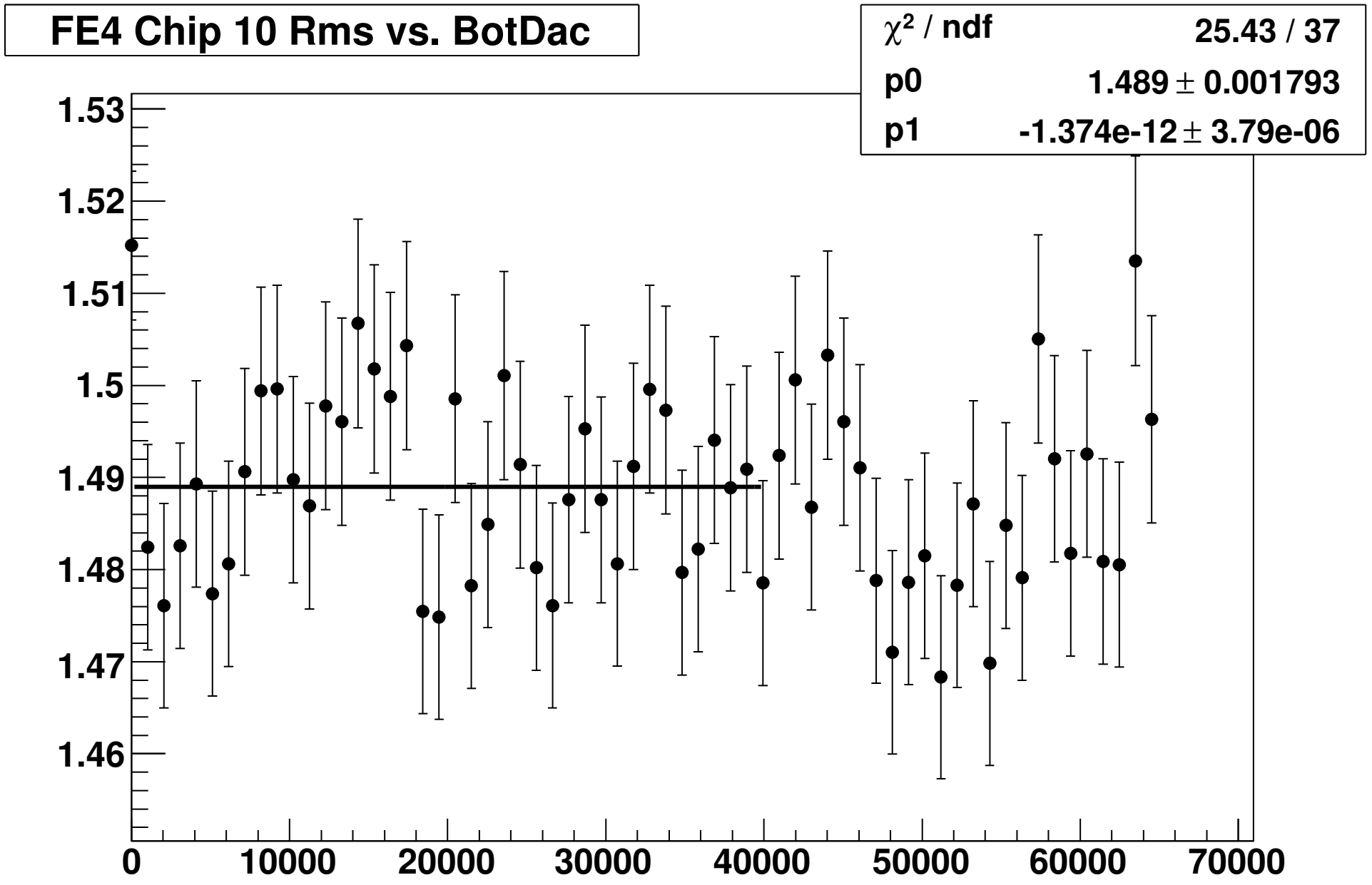
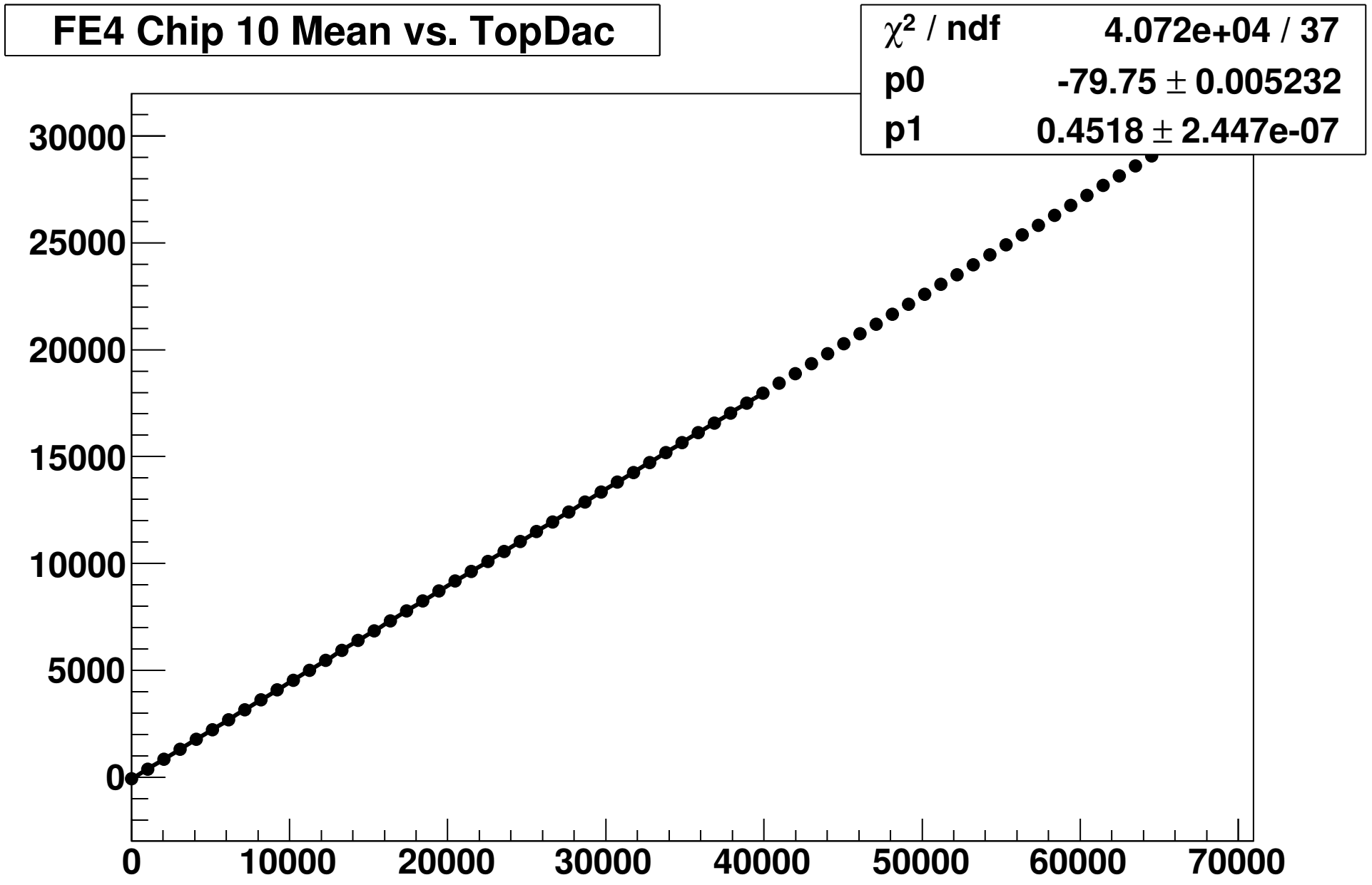

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 25.43 / 37
p0 1.489 ± 0.001793
p1 -1.374e-12 ± 3.79e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 4.072e+04 / 37
p0 -79.75 ± 0.005232
p1 0.4518 ± 2.447e-07
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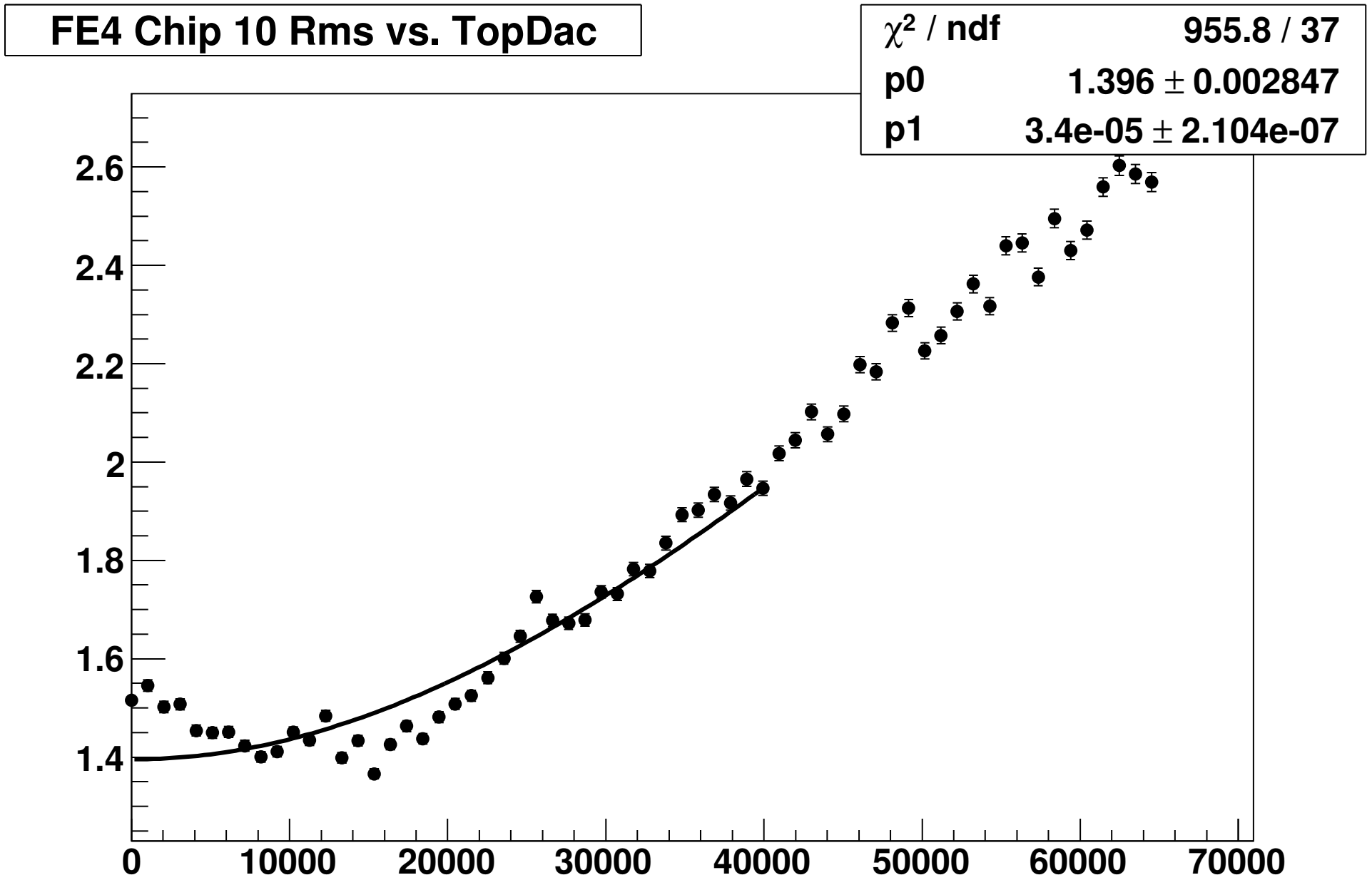
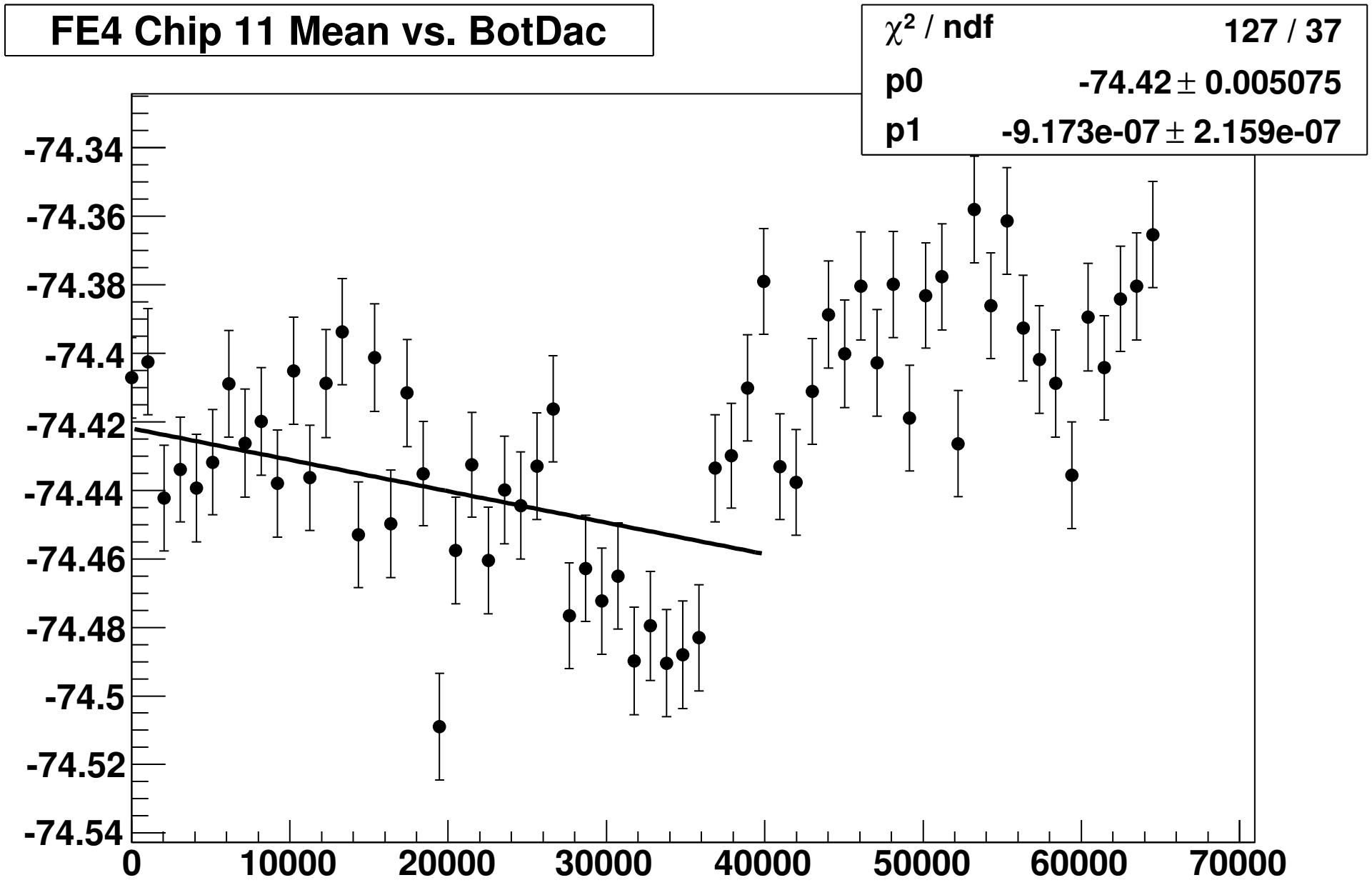
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 955.8 / 37
p0 1.396 ± 0.002847
p1 3.4e-05 ± 2.104e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 127 / 37
p0 -74.42 ± 0.005075
p1 -9.173e-07 ± 2.159e-07
-74.34
-74.36
-74.38
-74.4
-74.42
-74.44
-74.46
-74.48
-74.5
-74.52
-74.54
0
10000
20000
30000
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50000
60000
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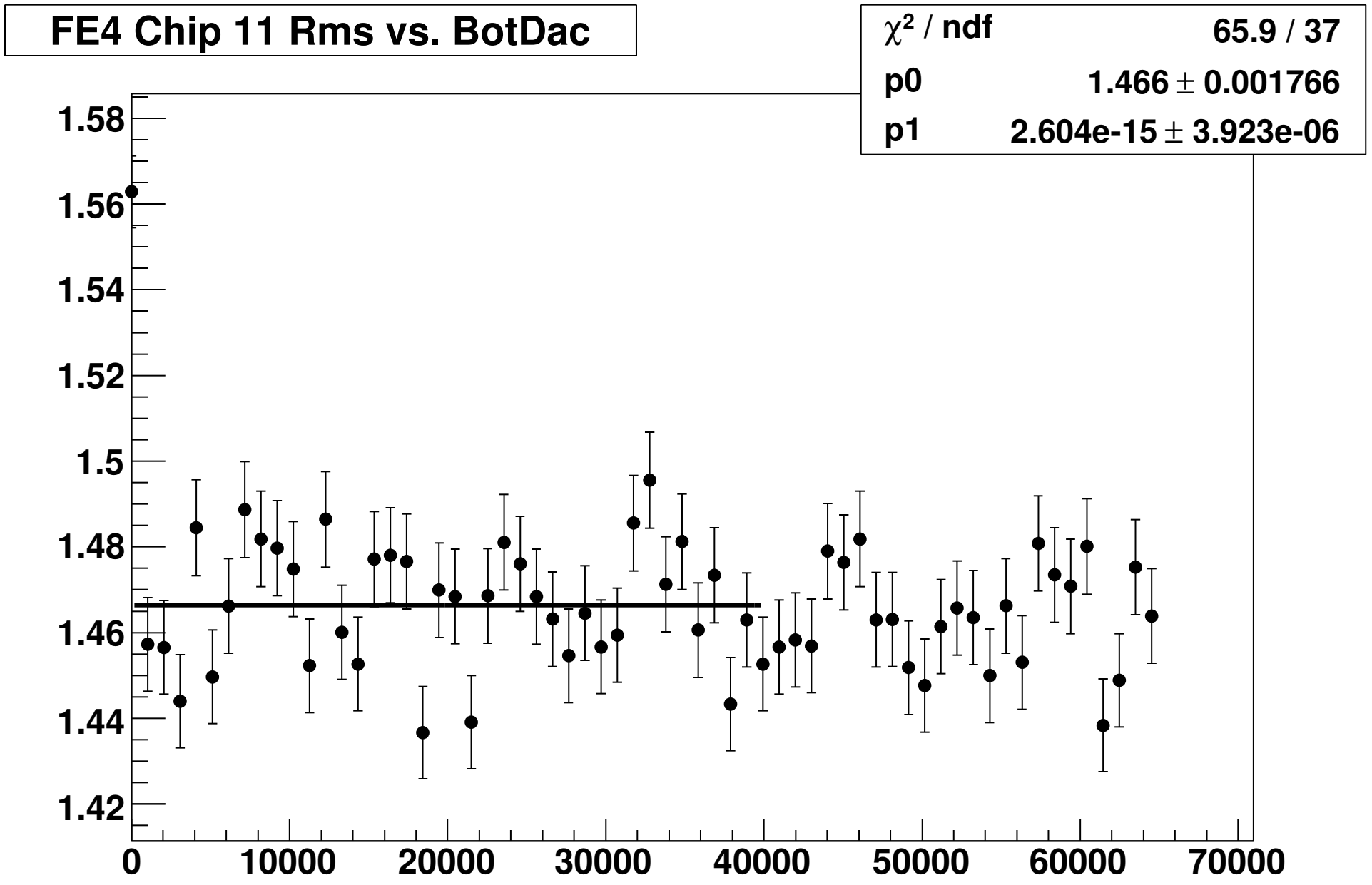
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 65.9 / 37
p0 1.466 ± 0.001766
p1 2.604e-15 ± 3.923e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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50000
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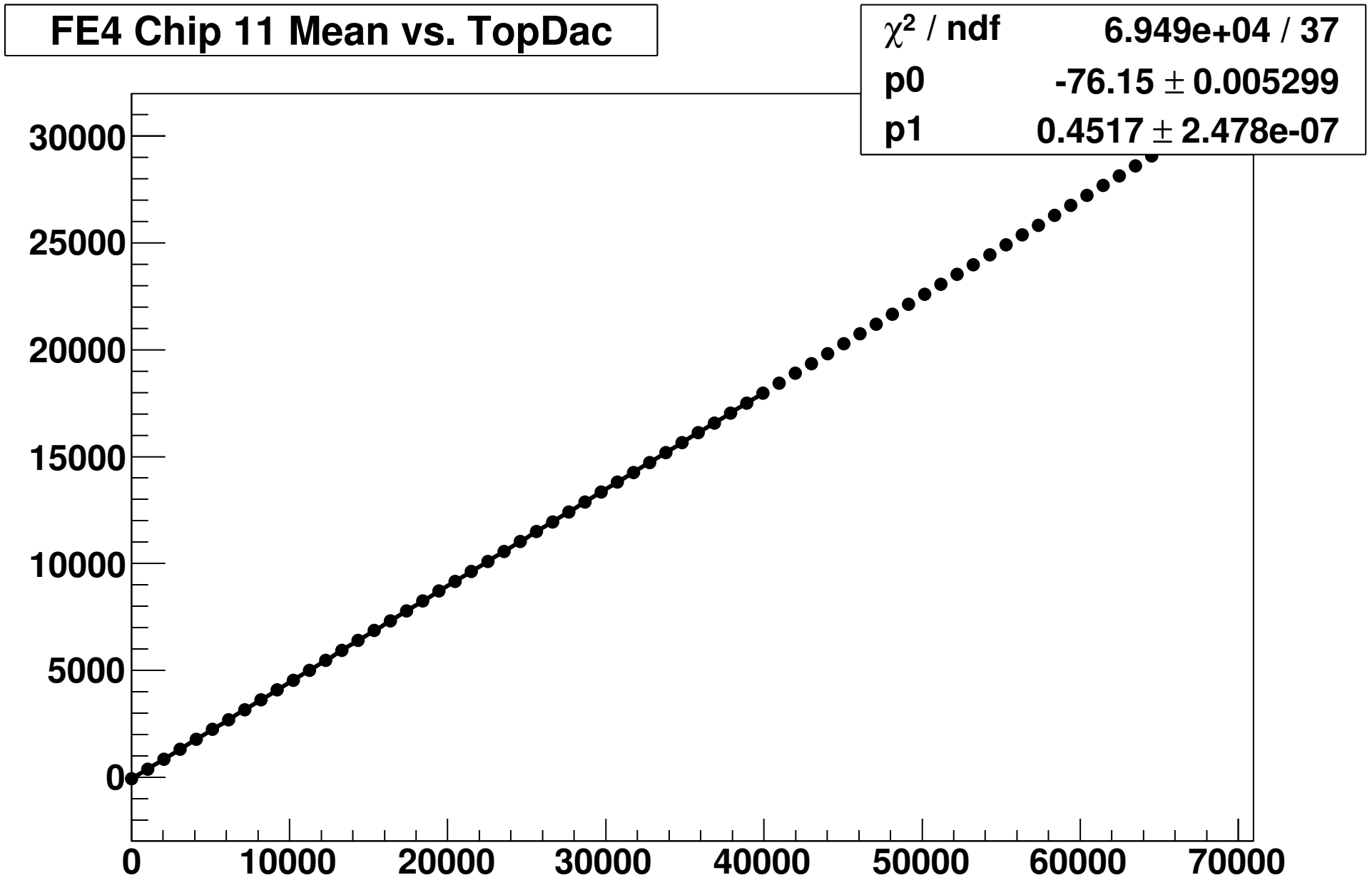
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 6.949e+04 / 37
p0 -76.15 ± 0.005299
p1 0.4517 ± 2.478e-07
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25000
20000
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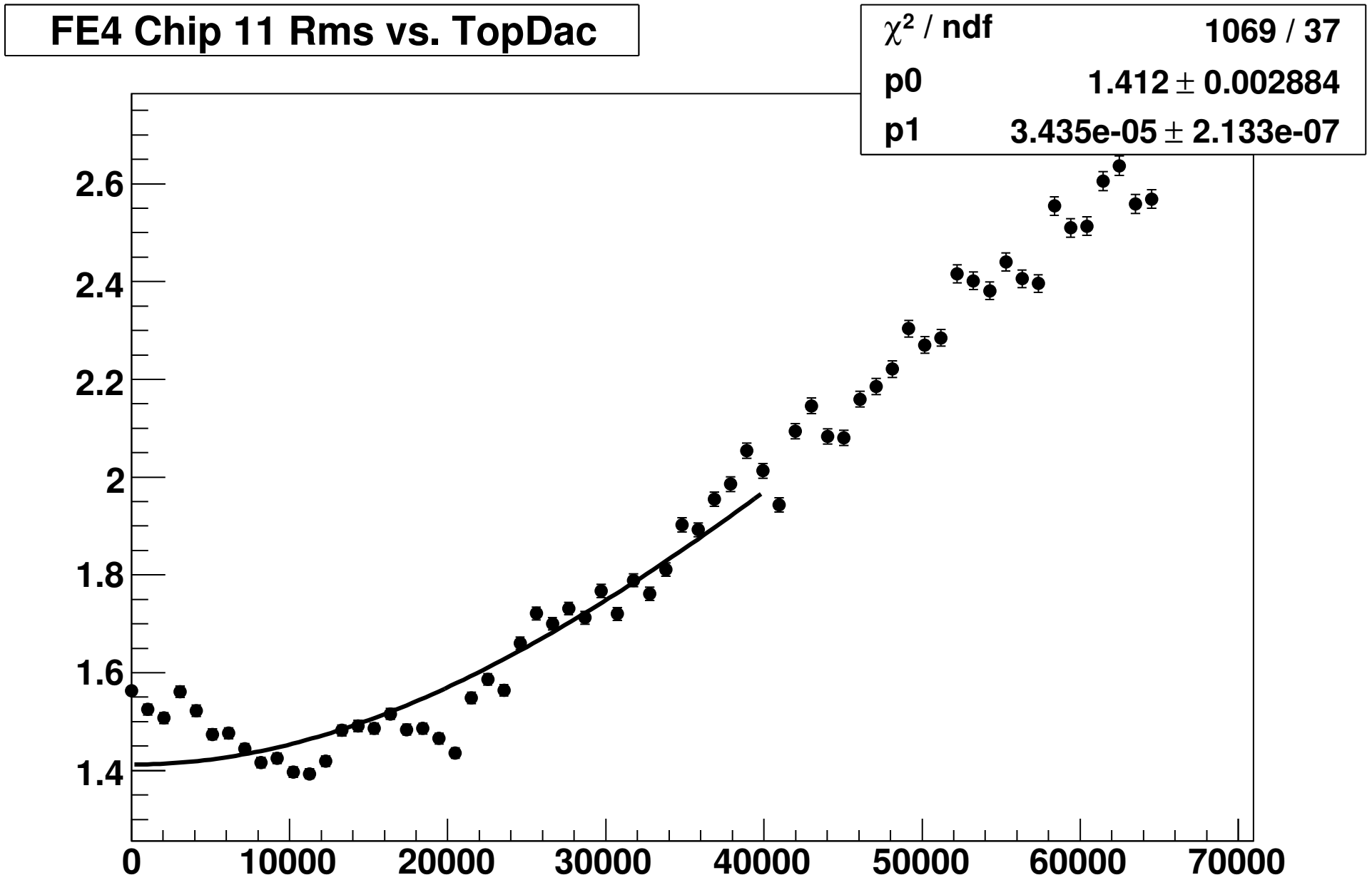
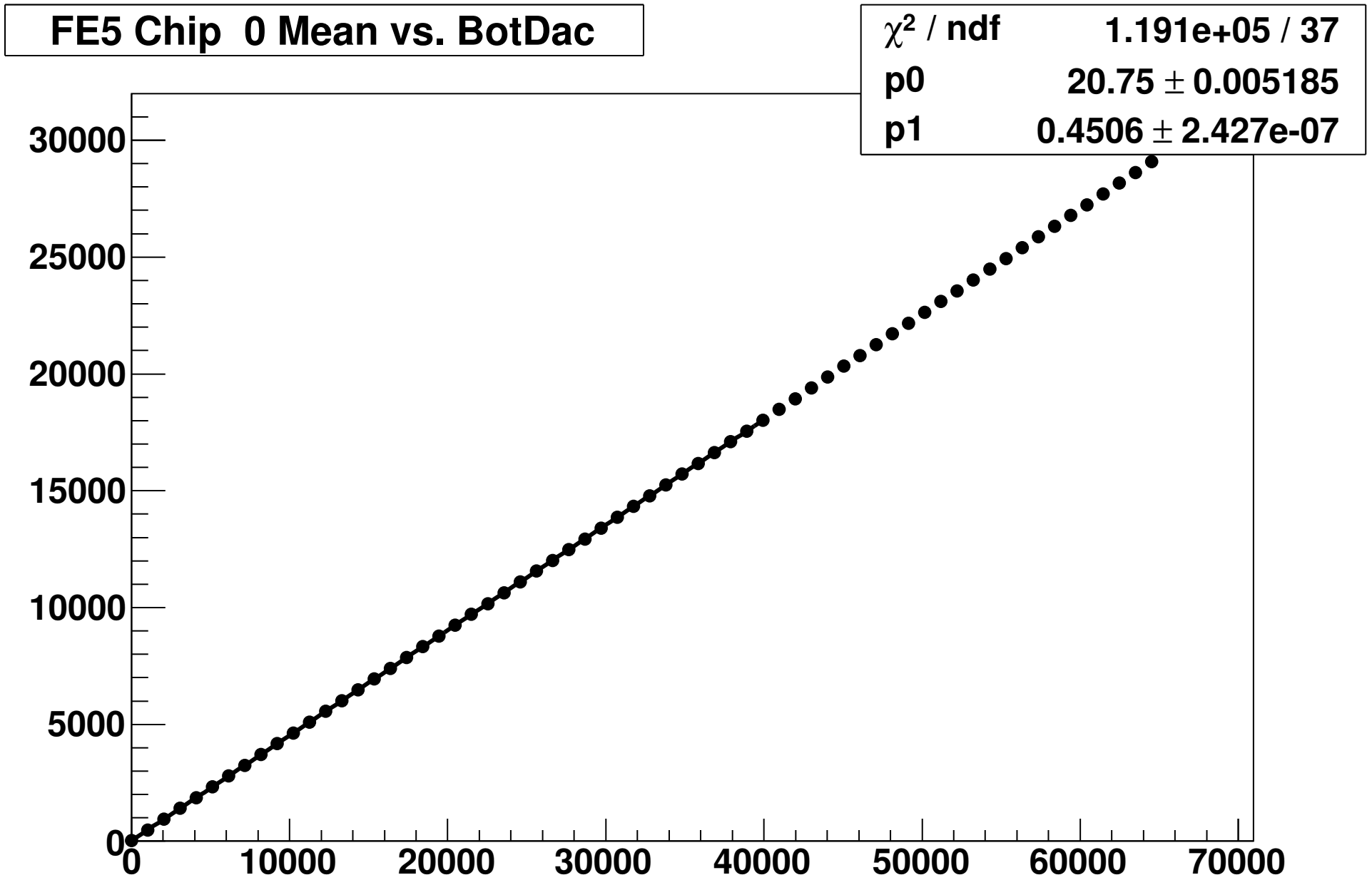
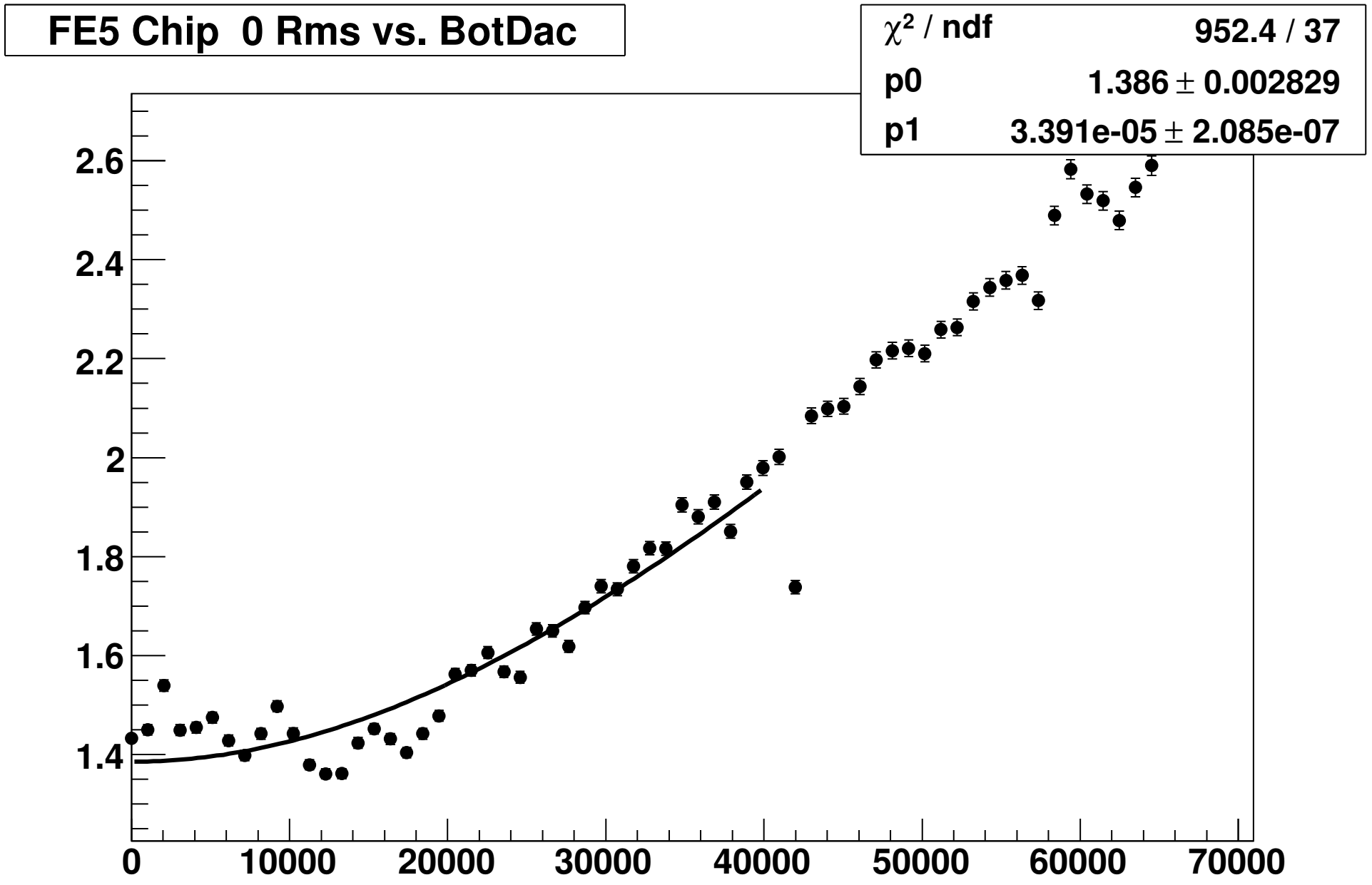
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1069 / 37
p0 1.412 ± 0.002884
p1 3.435e-05 ± 2.133e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.191e+05 / 37
p0 20.75 ± 0.005185
p1 0.4506 ± 2.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 952.4 / 37
p0 1.386 ± 0.002829
p1 3.391e-05 ± 2.085e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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40000
50000
60000
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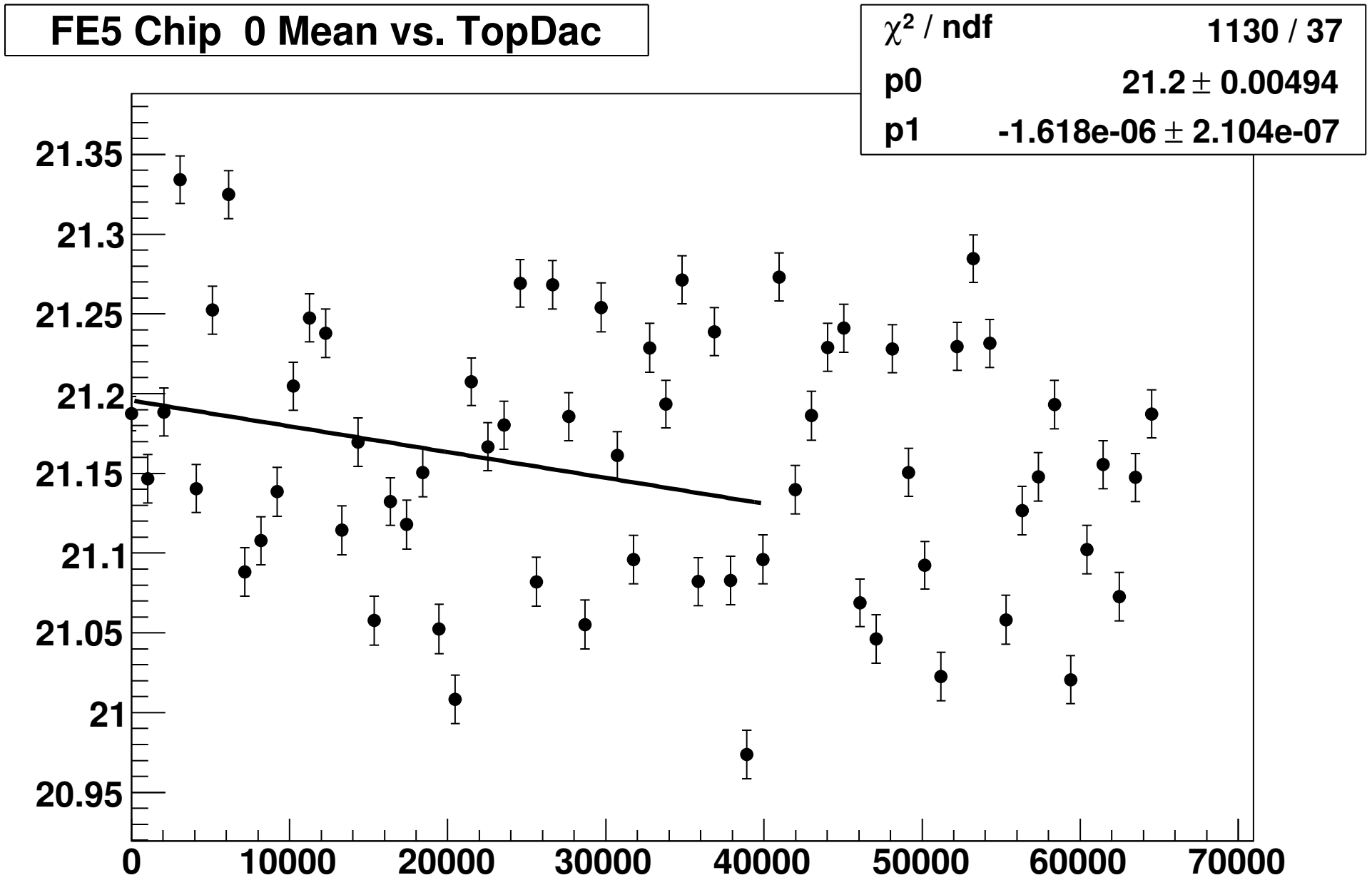
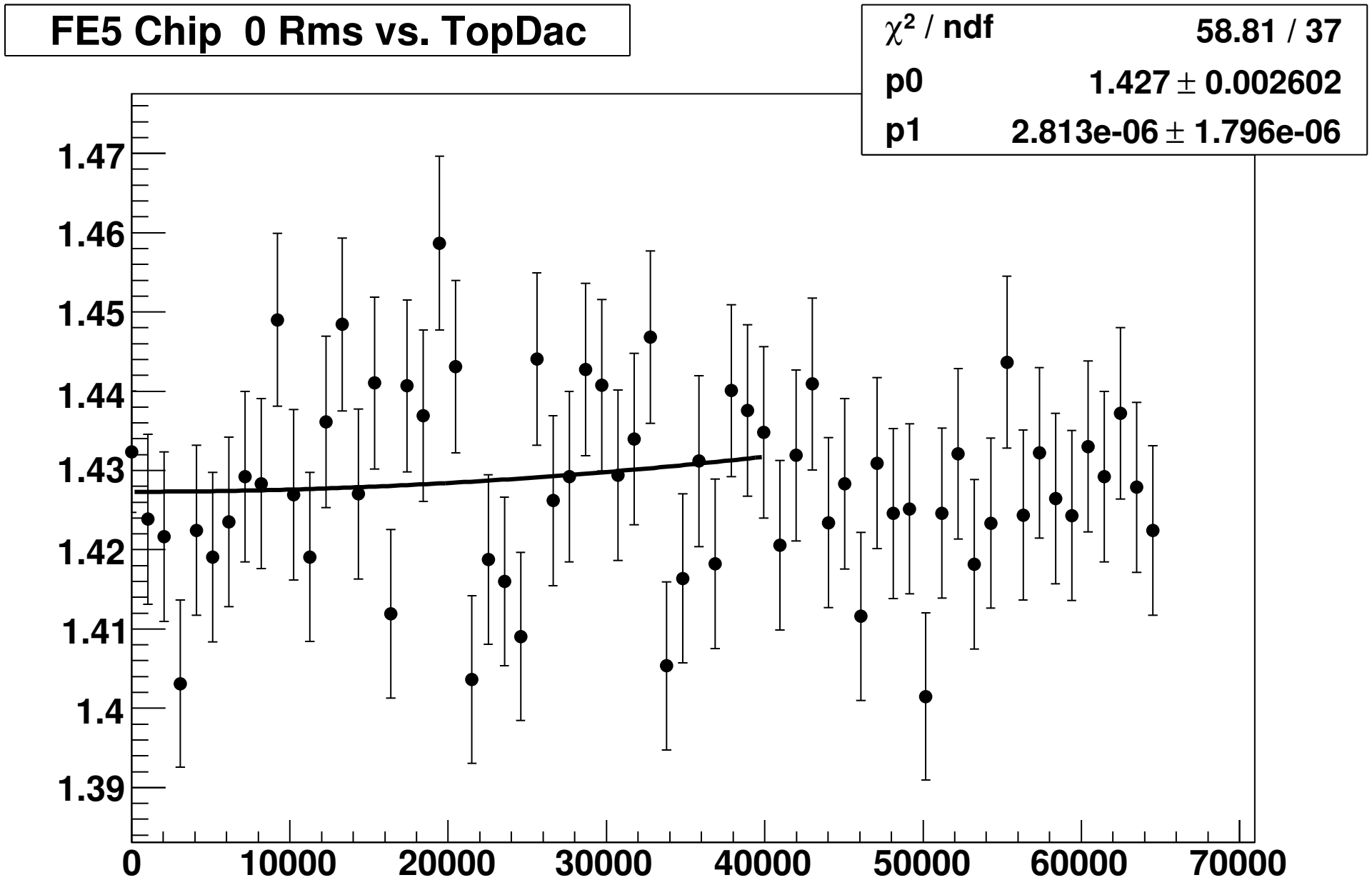

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 1130 / 37
p0 21.2 ± 0.00494
p1 -1.618e-06 ± 2.104e-07
21.35
21.3
21.25
21.2
21.15
21.1
21.05
21
20.95
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 58.81 / 37
p0 1.427 ± 0.002602
p1 2.813e-06 ± 1.796e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
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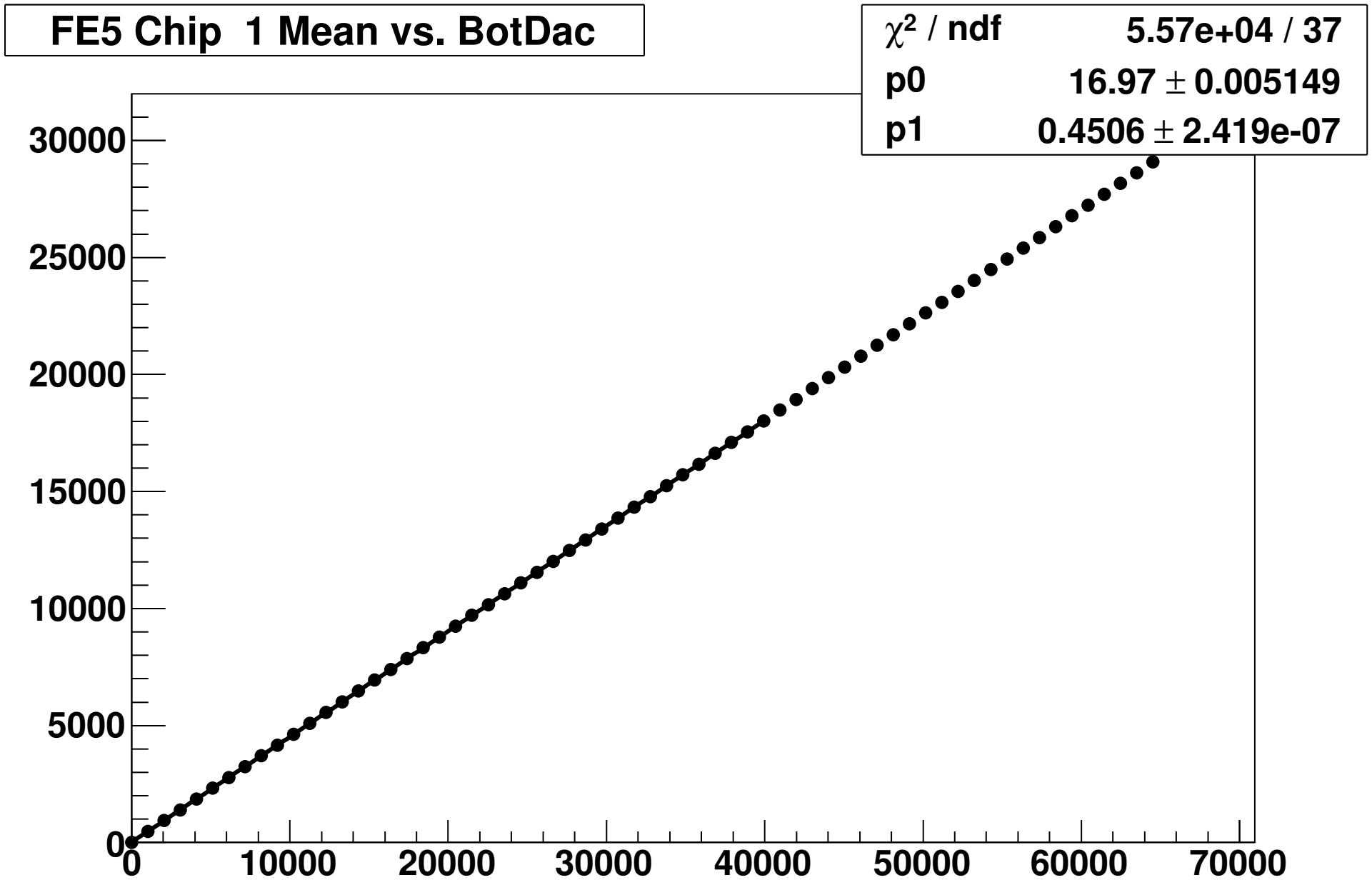
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 5.57e+04 / 37
p0 16.97 ± 0.005149
p1 0.4506 ± 2.419e-07
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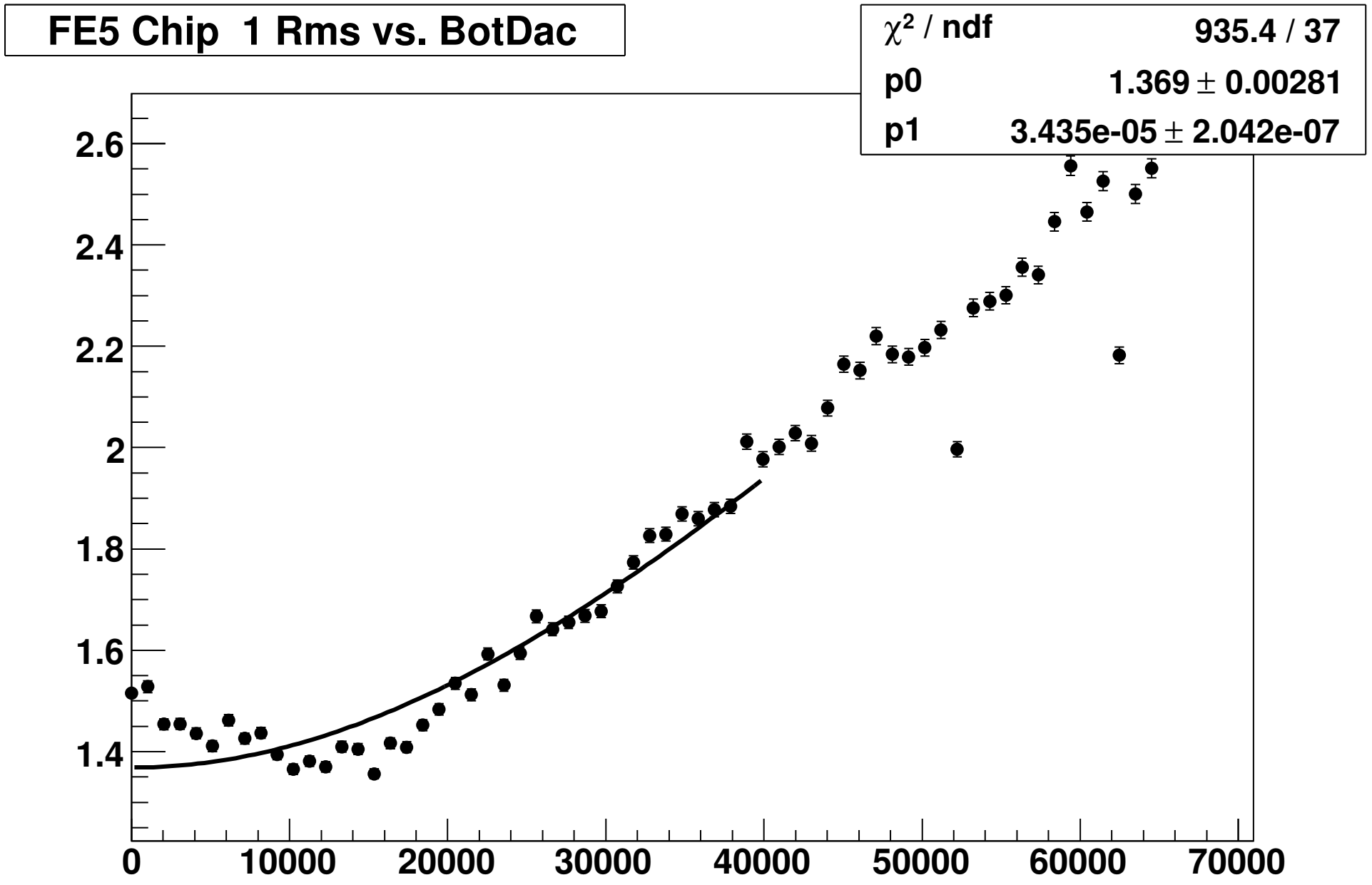
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 935.4 / 37
p0 1.369 ± 0.00281
p1 3.435e-05 ± 2.042e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
30000
40000
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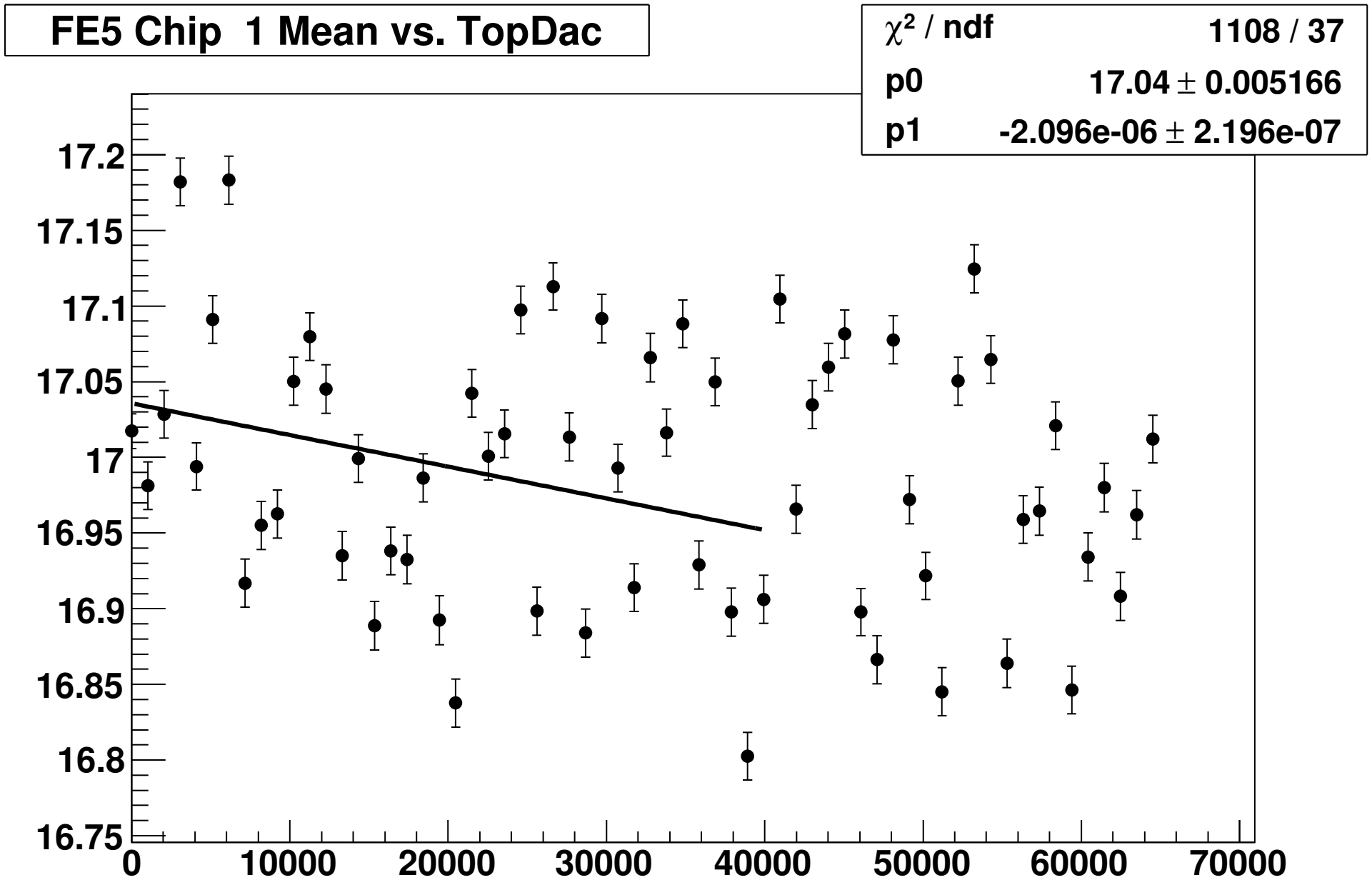
FE5 Chip 1 Mean vs. TopDac
χ² / ndf 1108 / 37
p0 17.04 ± 0.005166
p1 -2.096e-06 ± 2.196e-07
17.2
17.15
17.1
17.05
17
16.95
16.9
16.85
16.8
16.75
0
10000
20000
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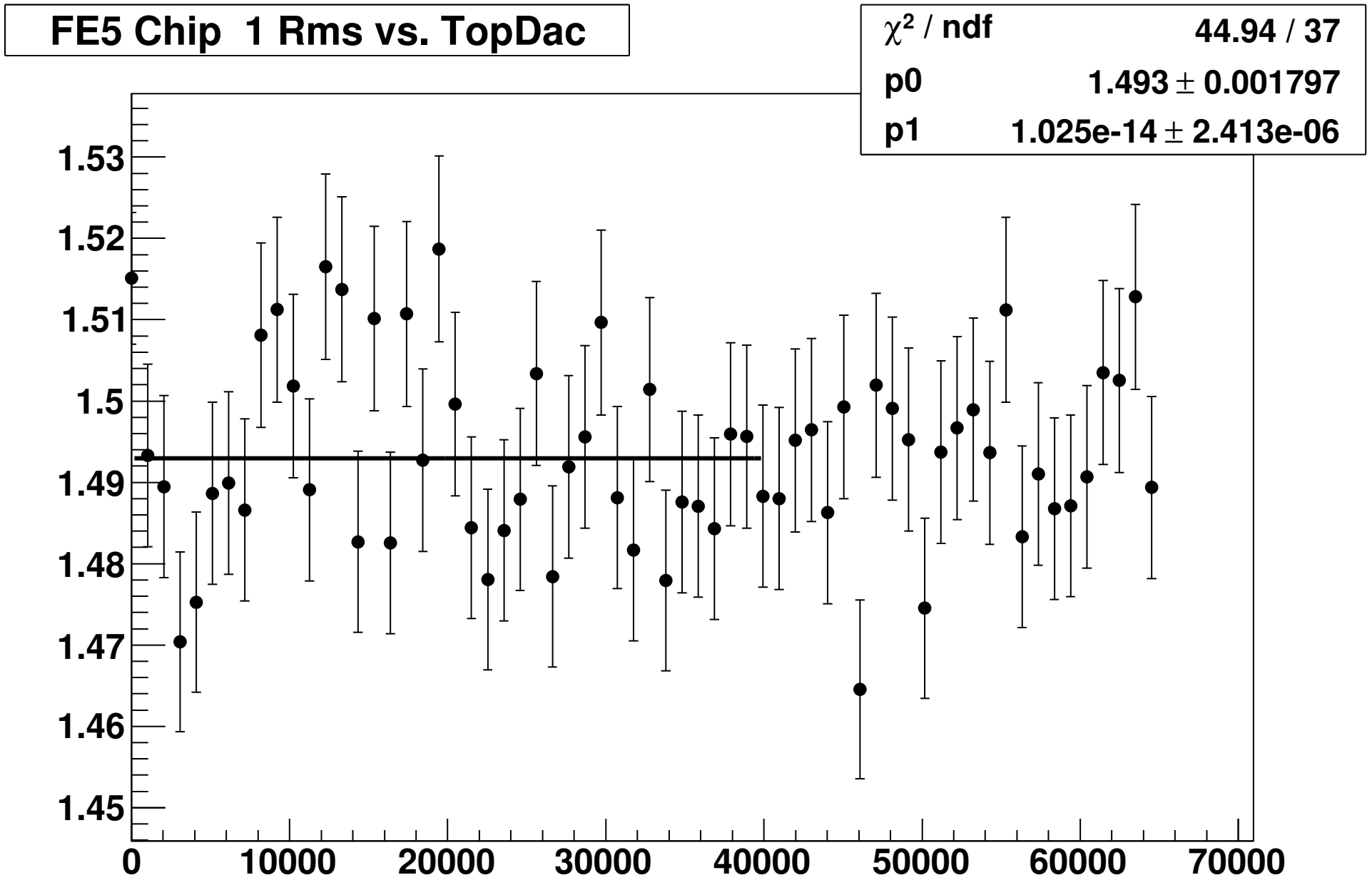
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 44.94 / 37
p0 1.493 ± 0.001797
p1 1.025e-14 ± 2.413e-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
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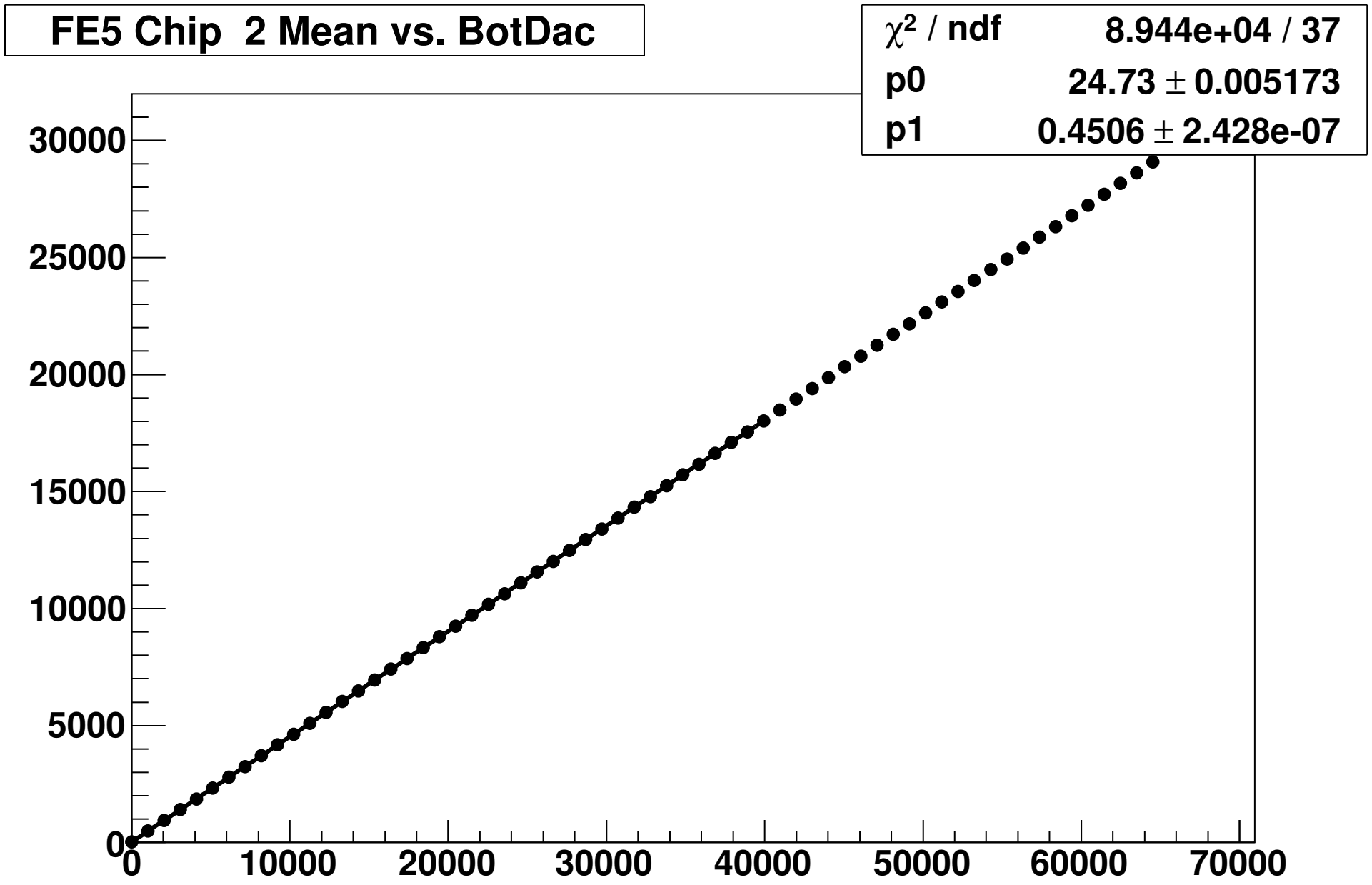
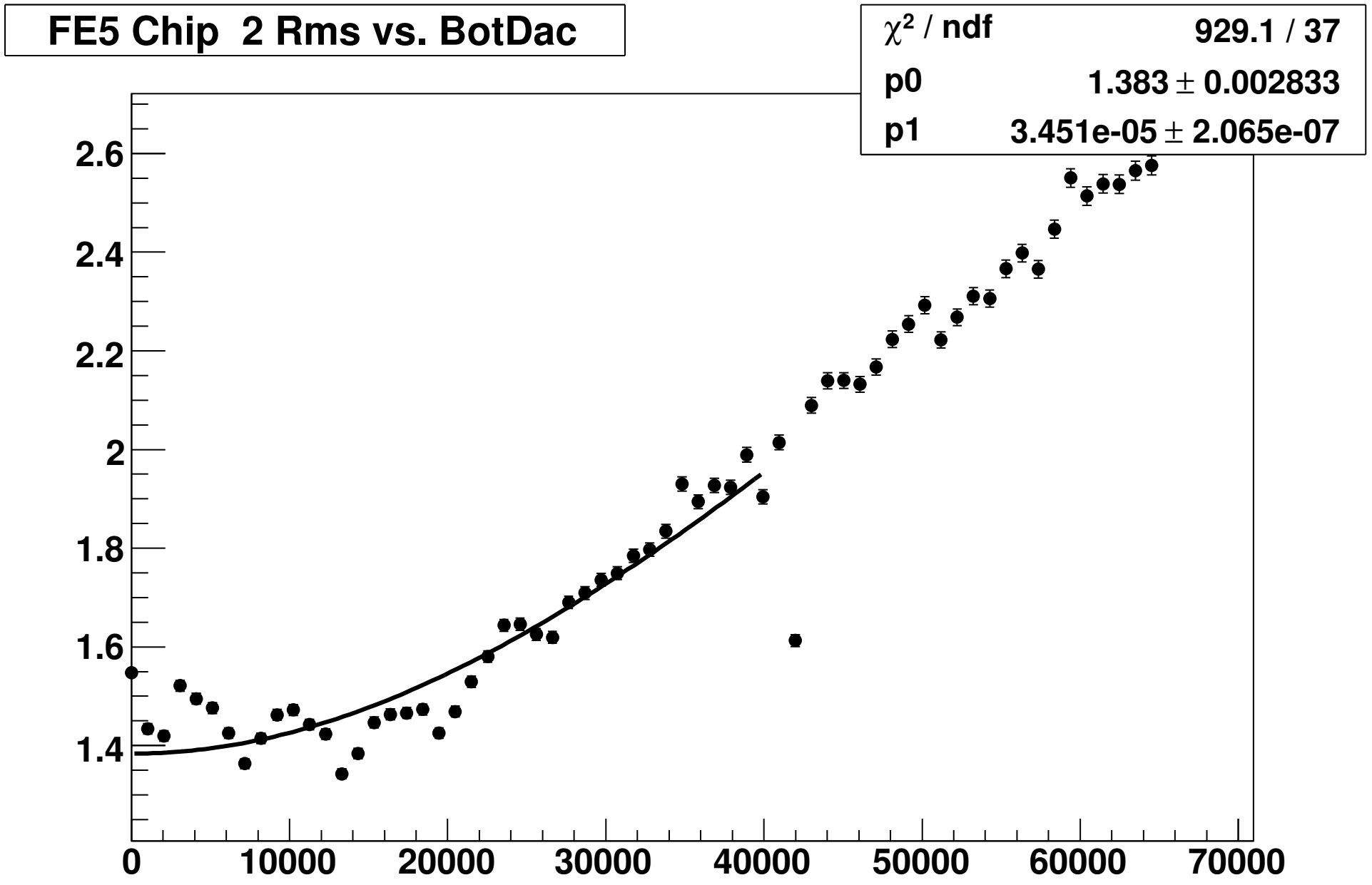

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 8.944e+04 / 37
p0 24.73 ± 0.005173
p1 0.4506 ± 2.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 929.1 / 37
p0 1.383 ± 0.002833
p1 3.451e-05 ± 2.065e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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30000
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50000
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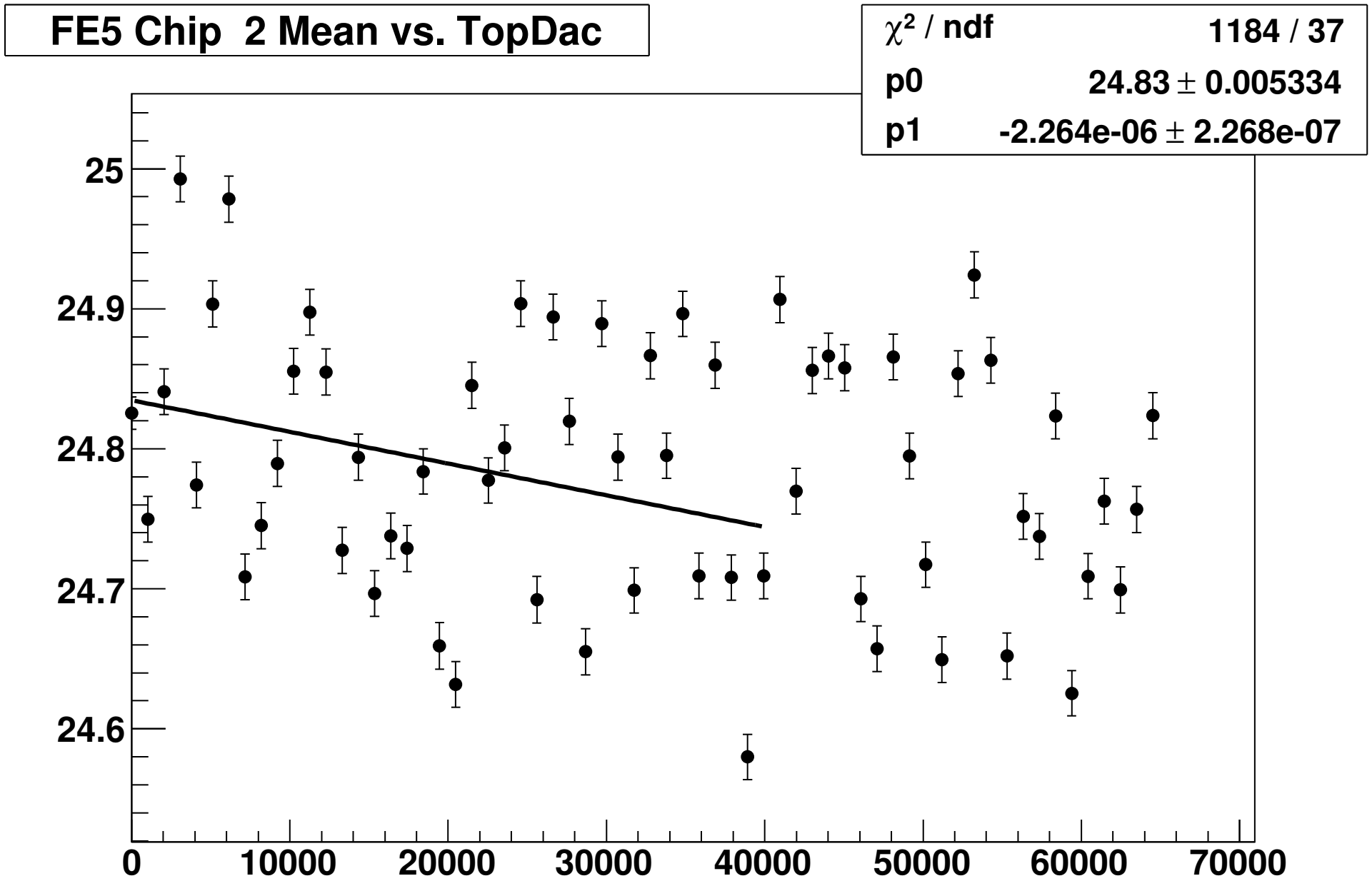
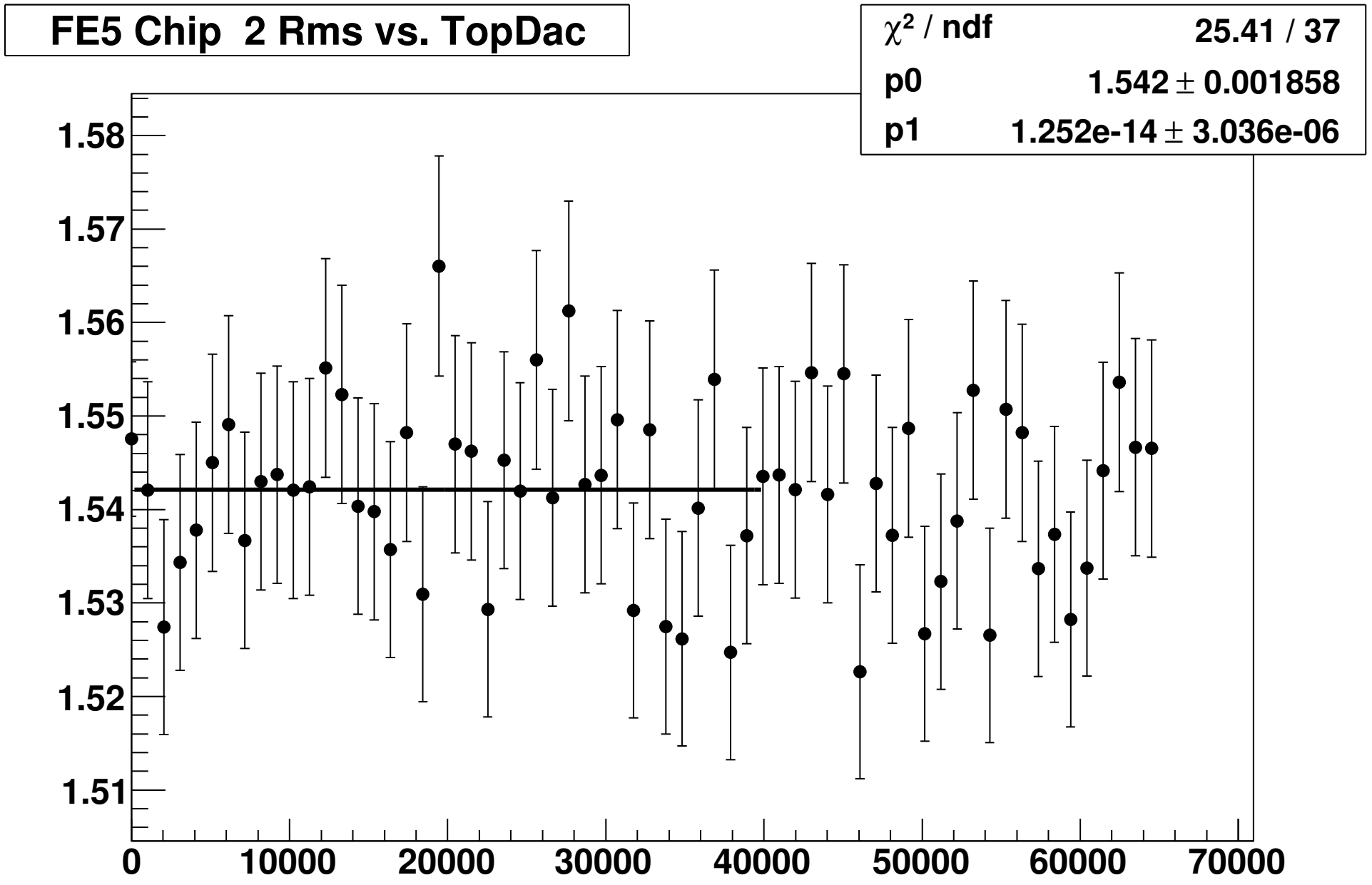

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 1184 / 37
p0 24.83 ± 0.005334
p1 -2.264e-06 ± 2.268e-07
25
24.9
24.8
24.7
24.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 25.41 / 37
p0 1.542 ± 0.001858
p1 1.252e-14 ± 3.036e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
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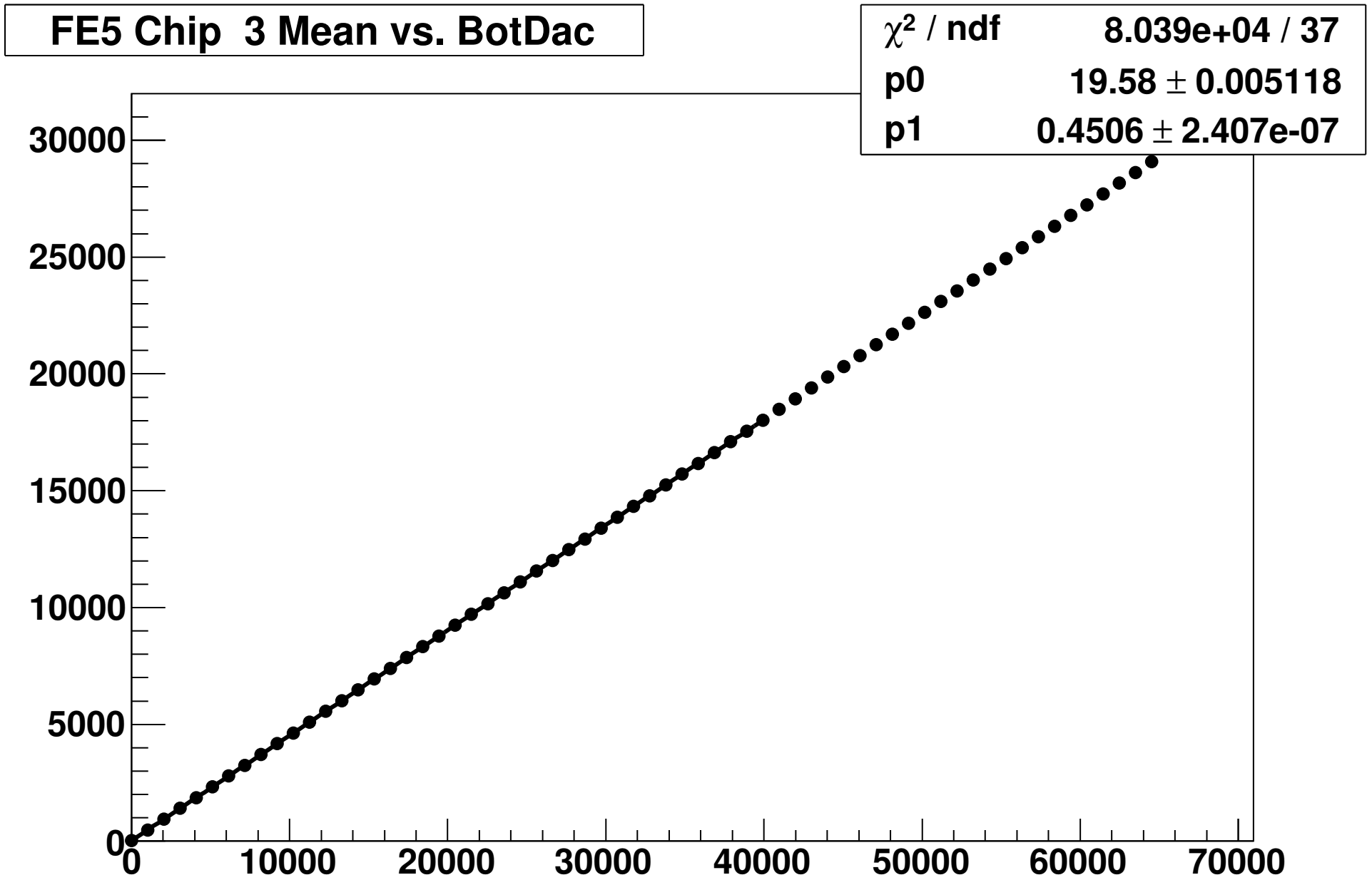
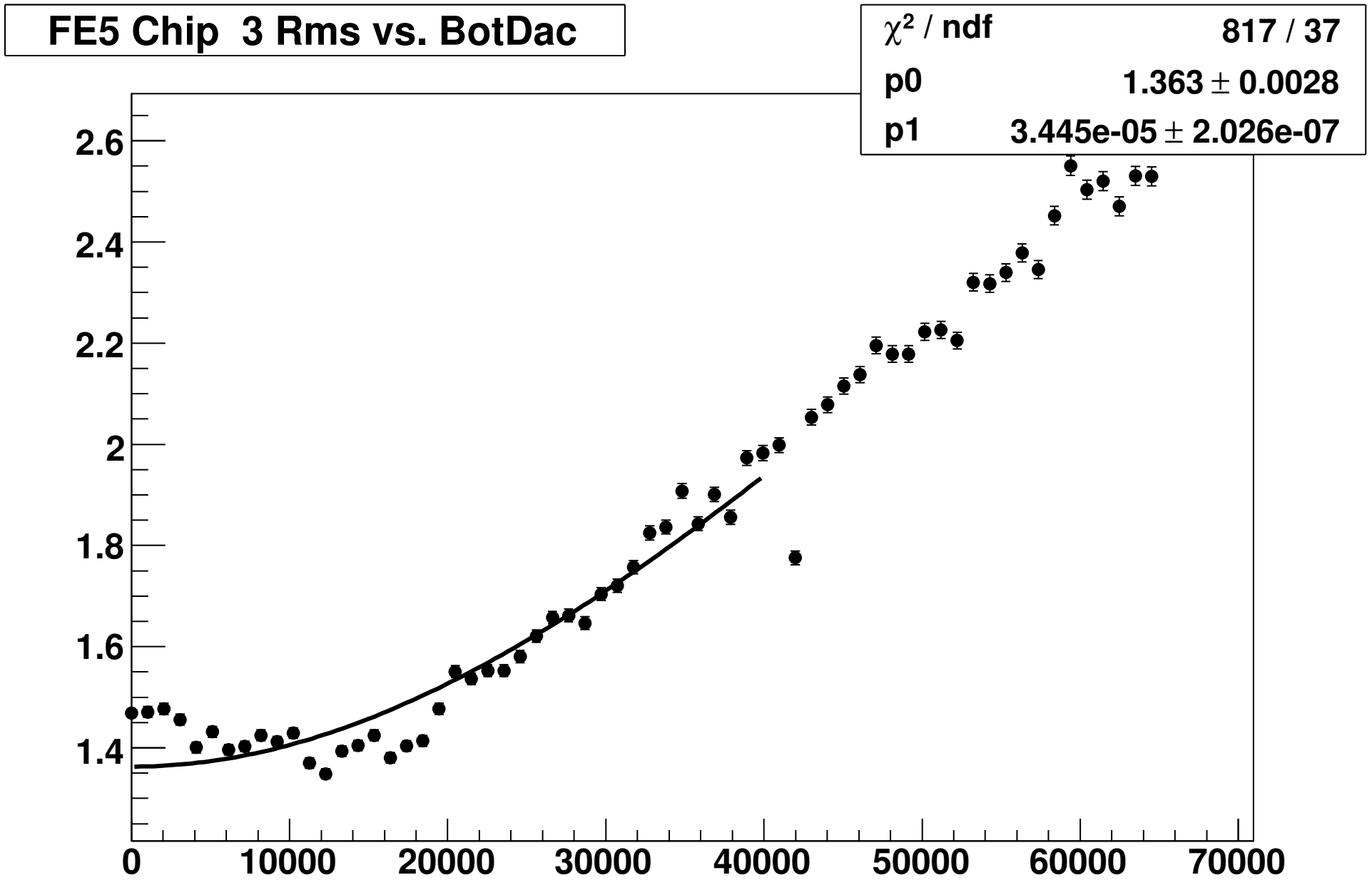

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 8.039e+04 / 37
p0 19.58 ± 0.005118
p1 0.4506 ± 2.407e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 817 / 37
p0 1.363 ± 0.0028
p1 3.445e-05 ± 2.026e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
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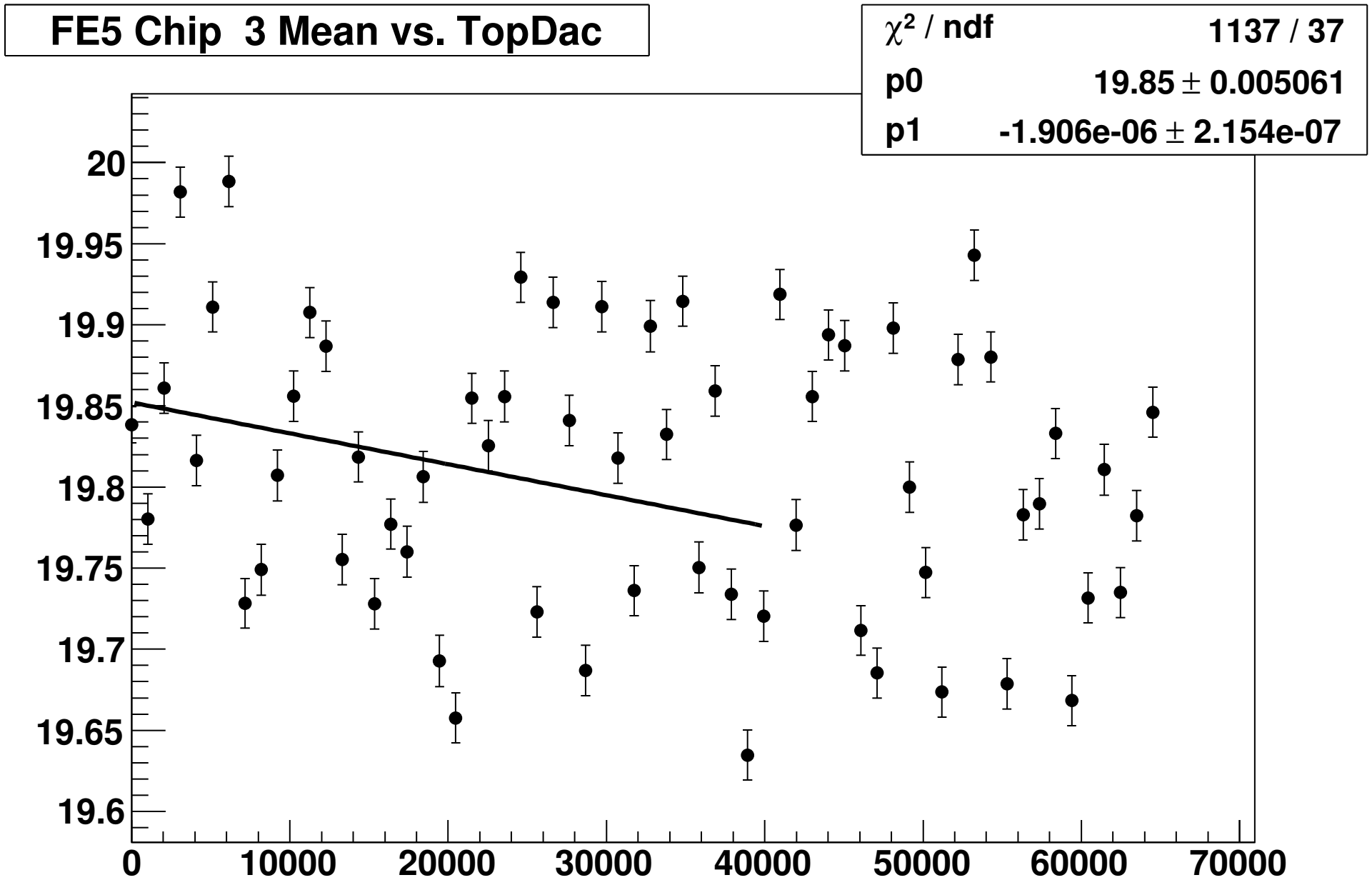
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 1137 / 37
p0 19.85 ± 0.005061
p1 -1.906e-06 ± 2.154e-07
20
19.95
19.9
19.85
19.8
19.75
19.7
19.65
19.6
0
10000
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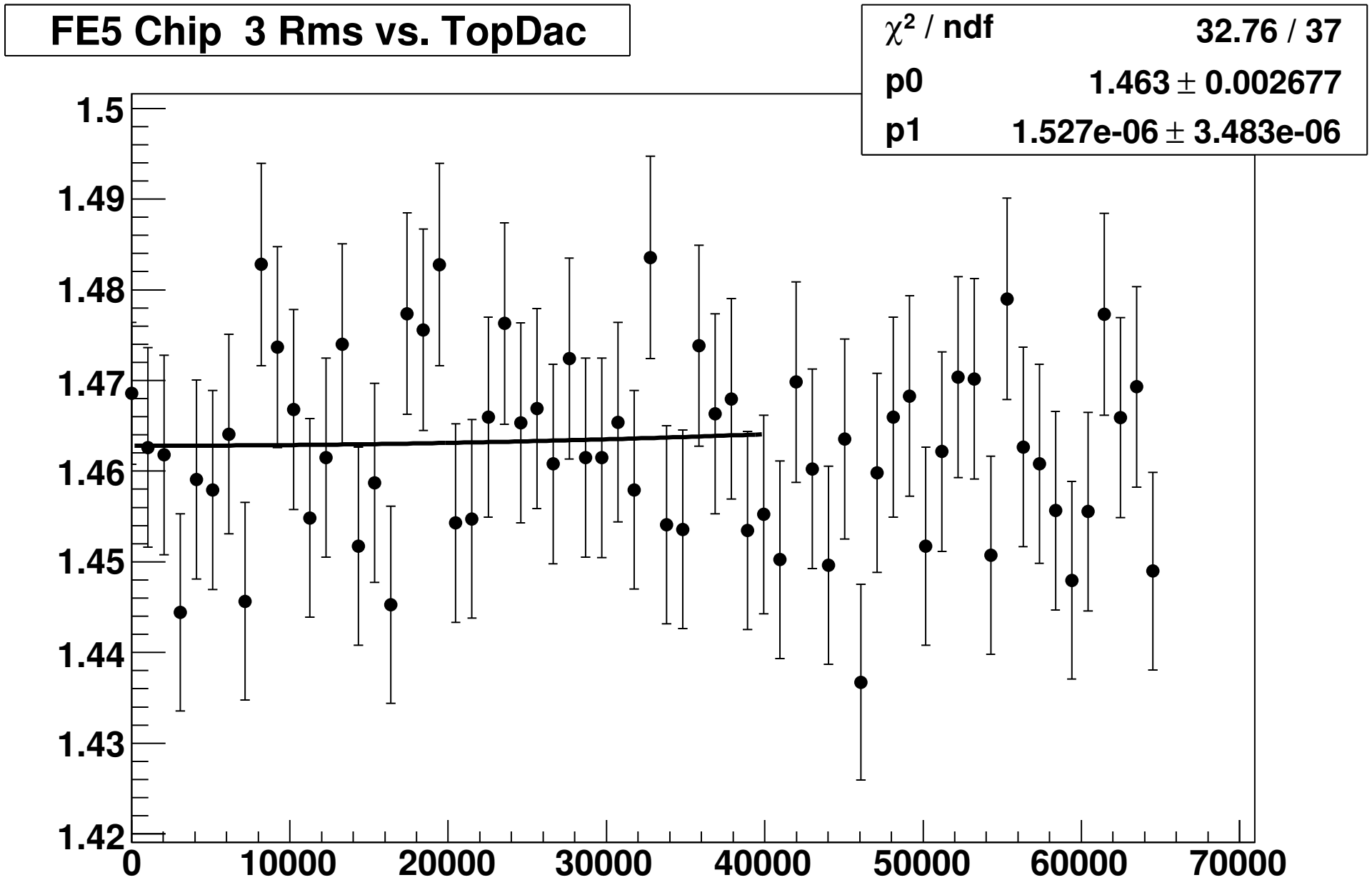
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 32.76 / 37
p0 1.463 ± 0.002677
p1 1.527e-06 ± 3.483e-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
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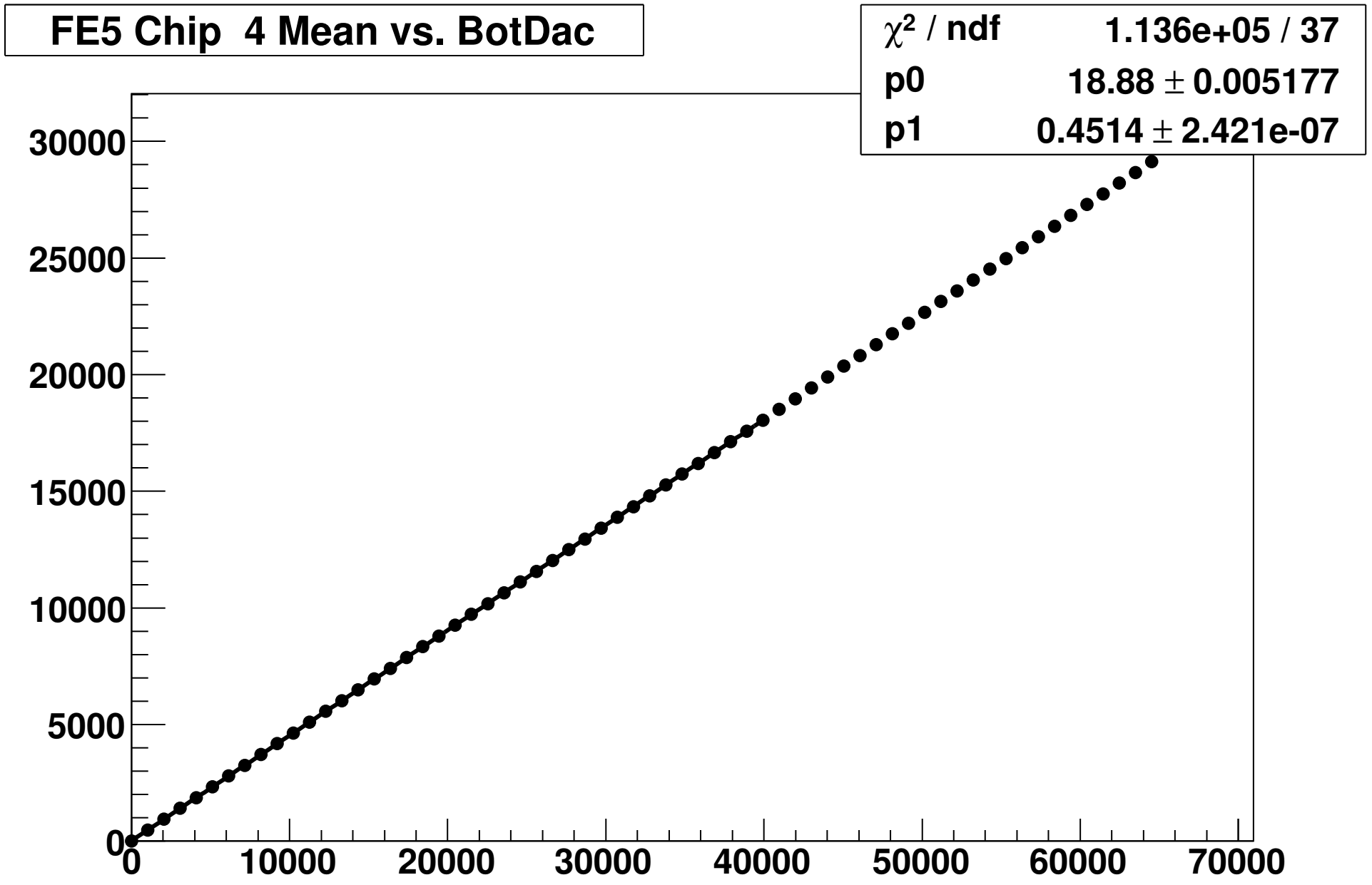
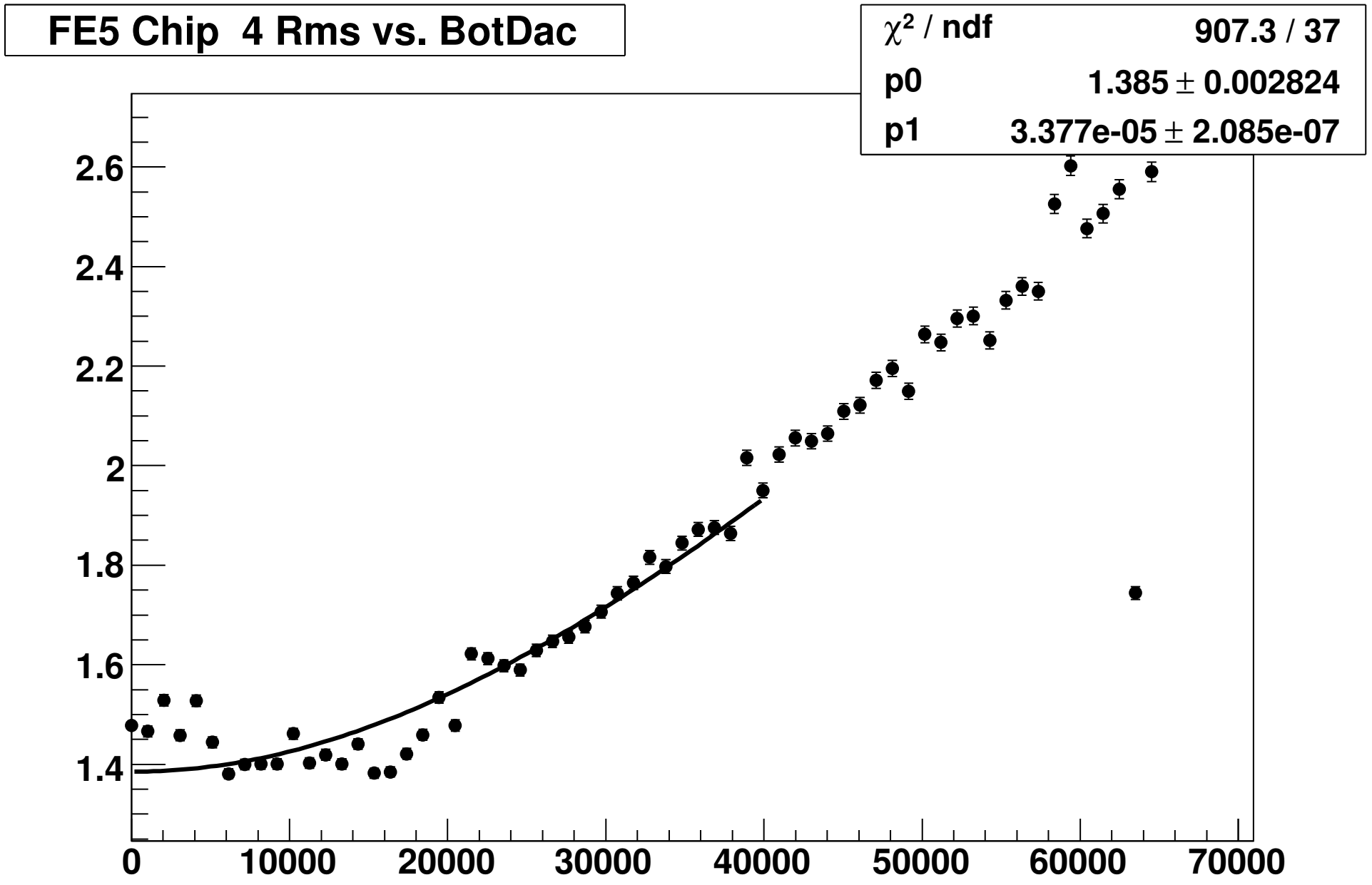

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.136e+05 / 37
p0 18.88 ± 0.005177
p1 0.4514 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 907.3 / 37
p0 1.385 ± 0.002824
p1 3.377e-05 ± 2.085e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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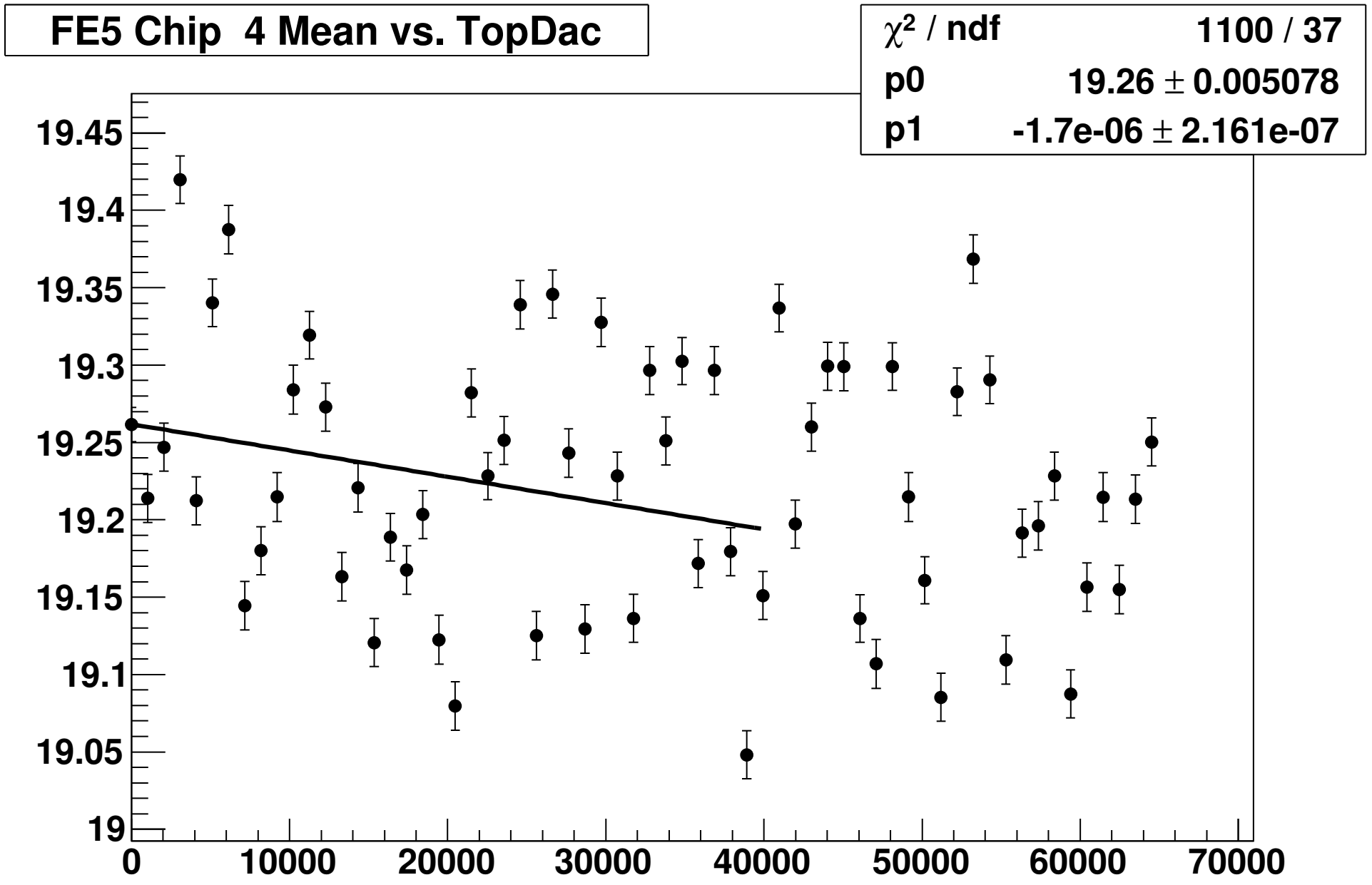
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 1100 / 37
p0 19.26 ± 0.005078
p1 -1.7e-06 ± 2.161e-07
19.45
19.4
19.35
19.3
19.25
19.2
19.15
19.1
19.05
19
0
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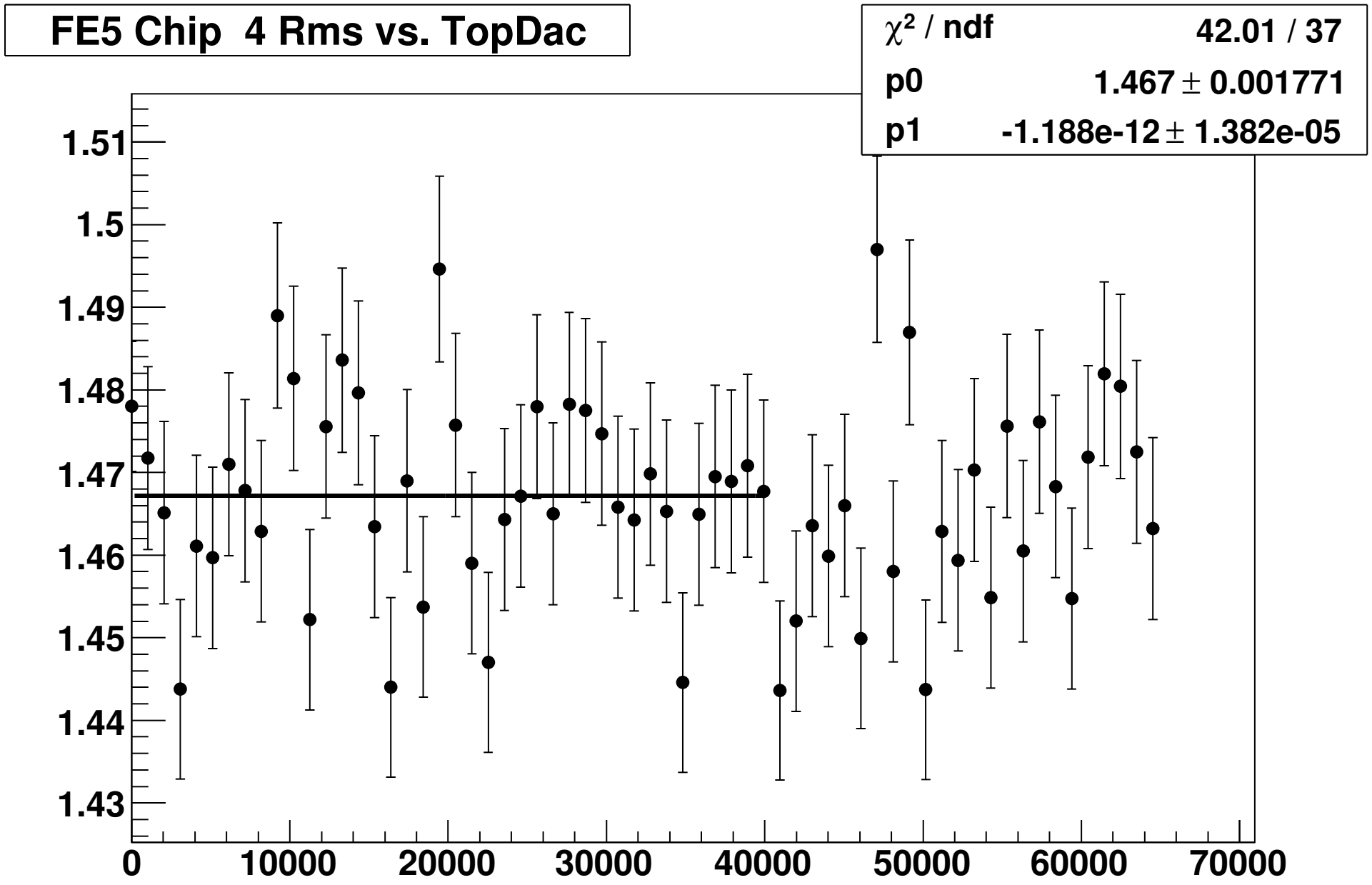
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 42.01 / 37
p0 1.467 ± 0.001771
p1 -1.188e-12 ± 1.382e-05
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
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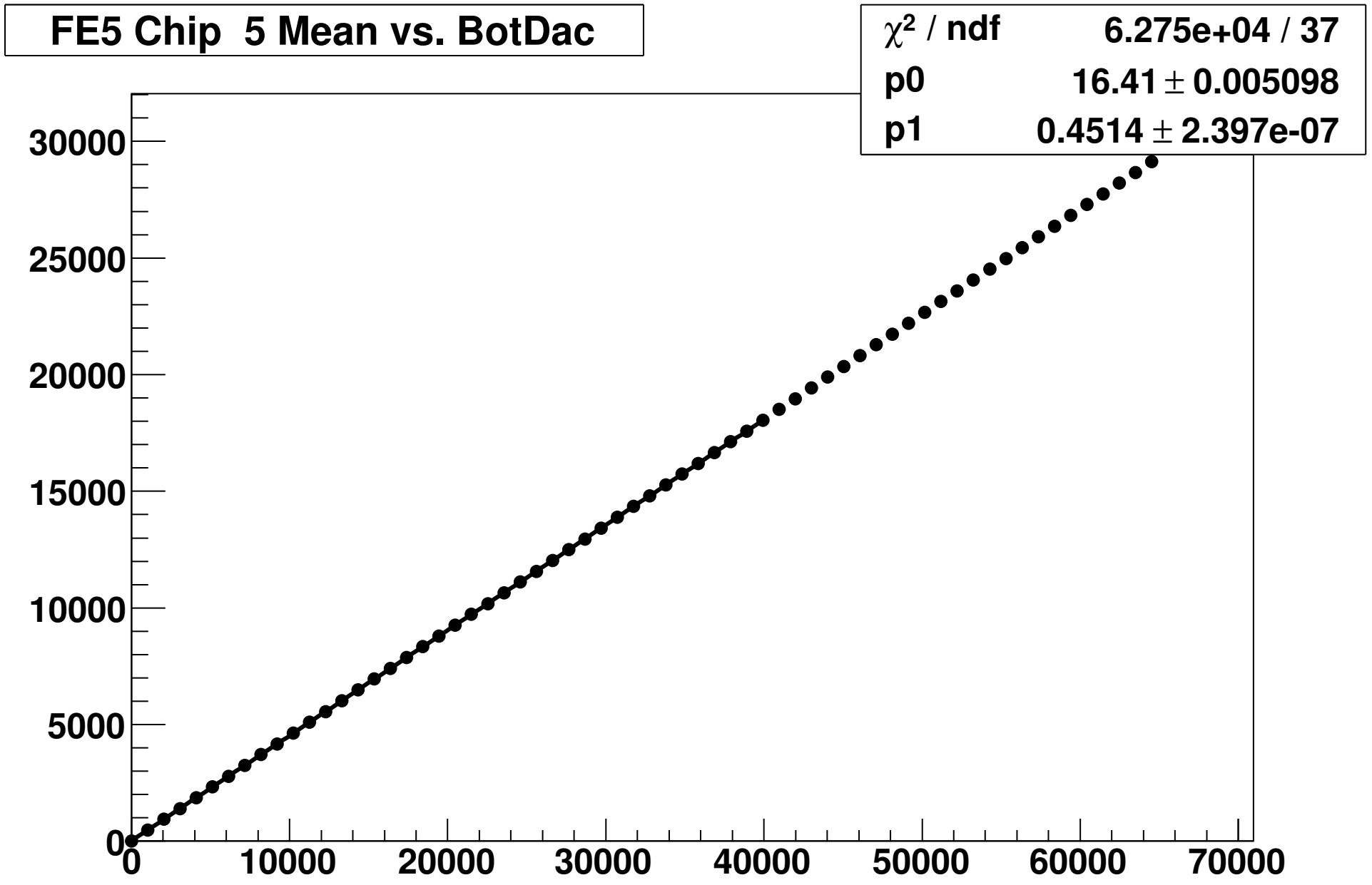
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 6.275e+04 / 37
p0 16.41 ± 0.005098
p1 0.4514 ± 2.397e-07
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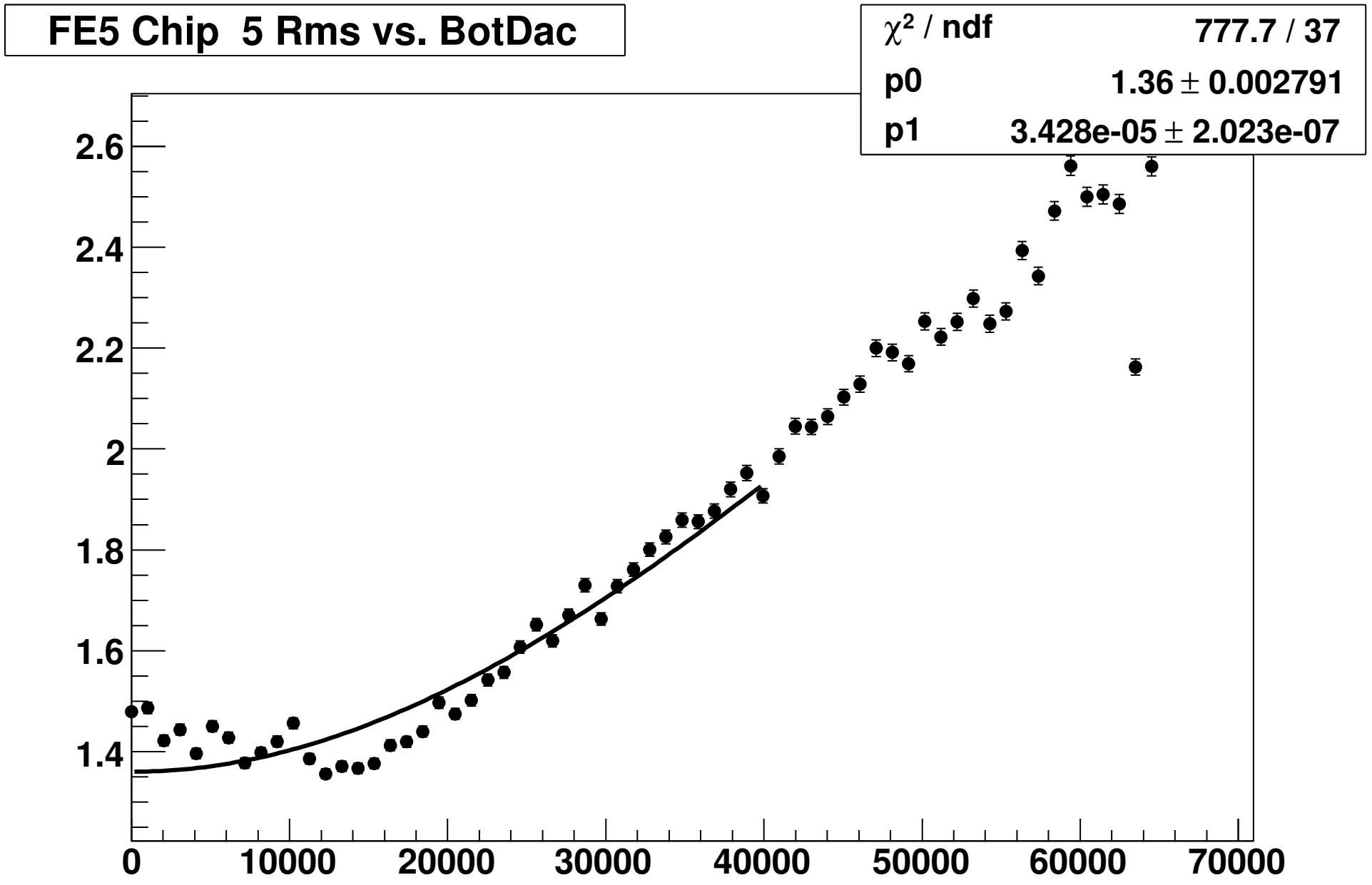
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 777.7 / 37
p0 1.36 ± 0.002791
p1 3.428e-05 ± 2.023e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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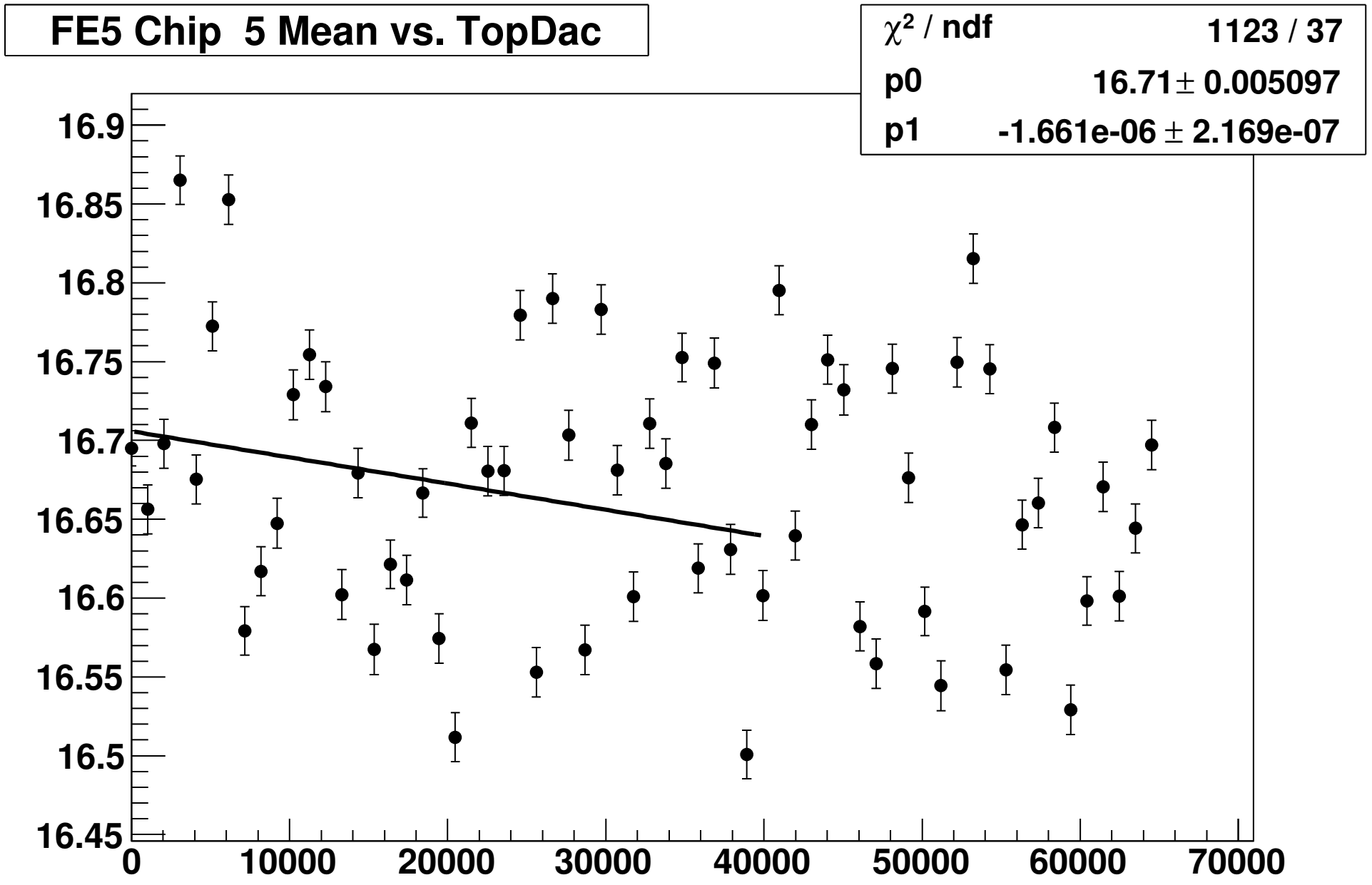
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 1123 / 37
p0 16.71 ± 0.005097
p1 -1.661e-06 ± 2.169e-07
16.9
16.85
16.8
16.75
16.7
16.65
16.6
16.55
16.5
16.45
0
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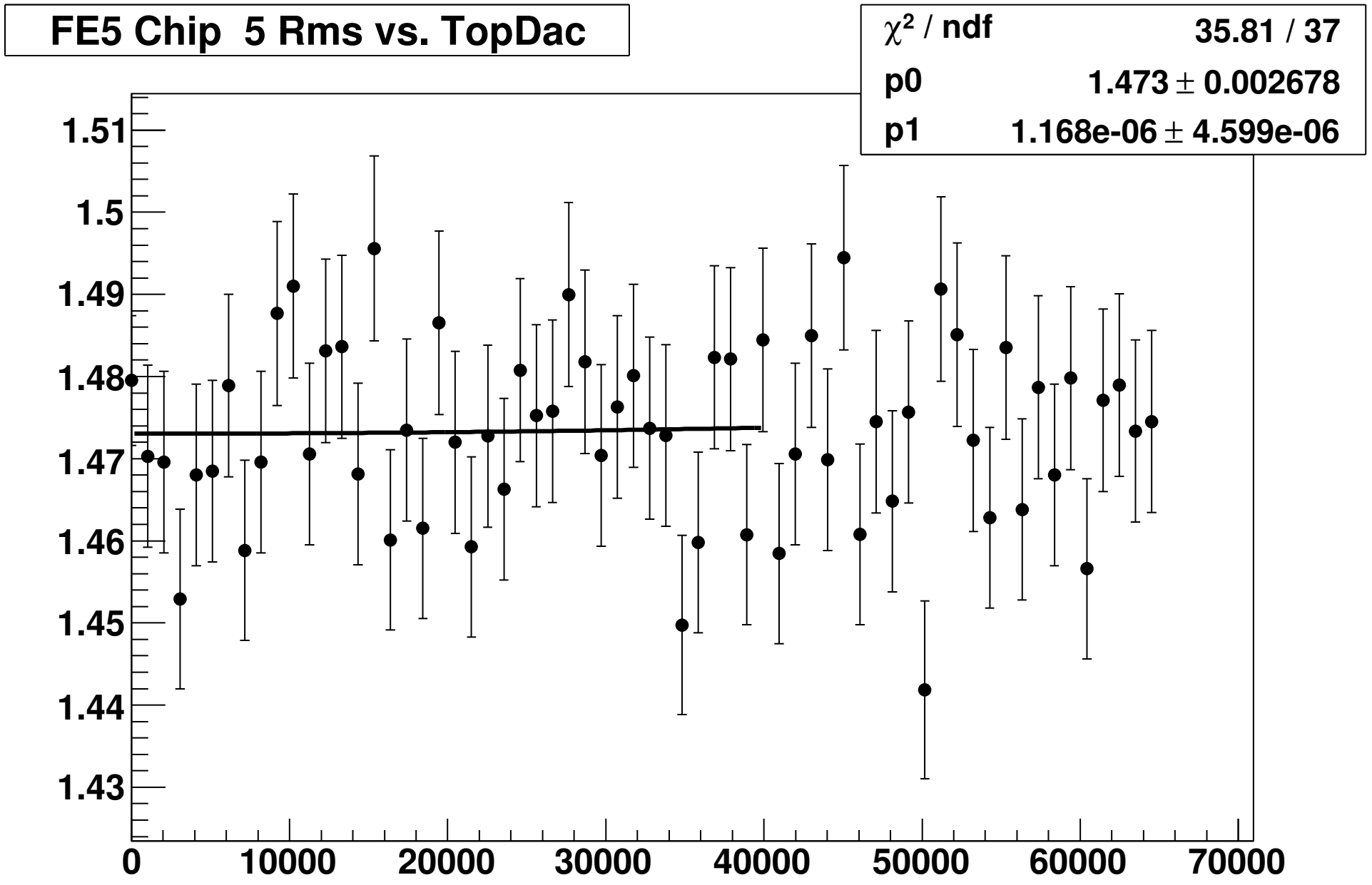
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 35.81 / 37
p0 1.473 ± 0.002678
p1 1.168e-06 ± 4.599e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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50000
60000
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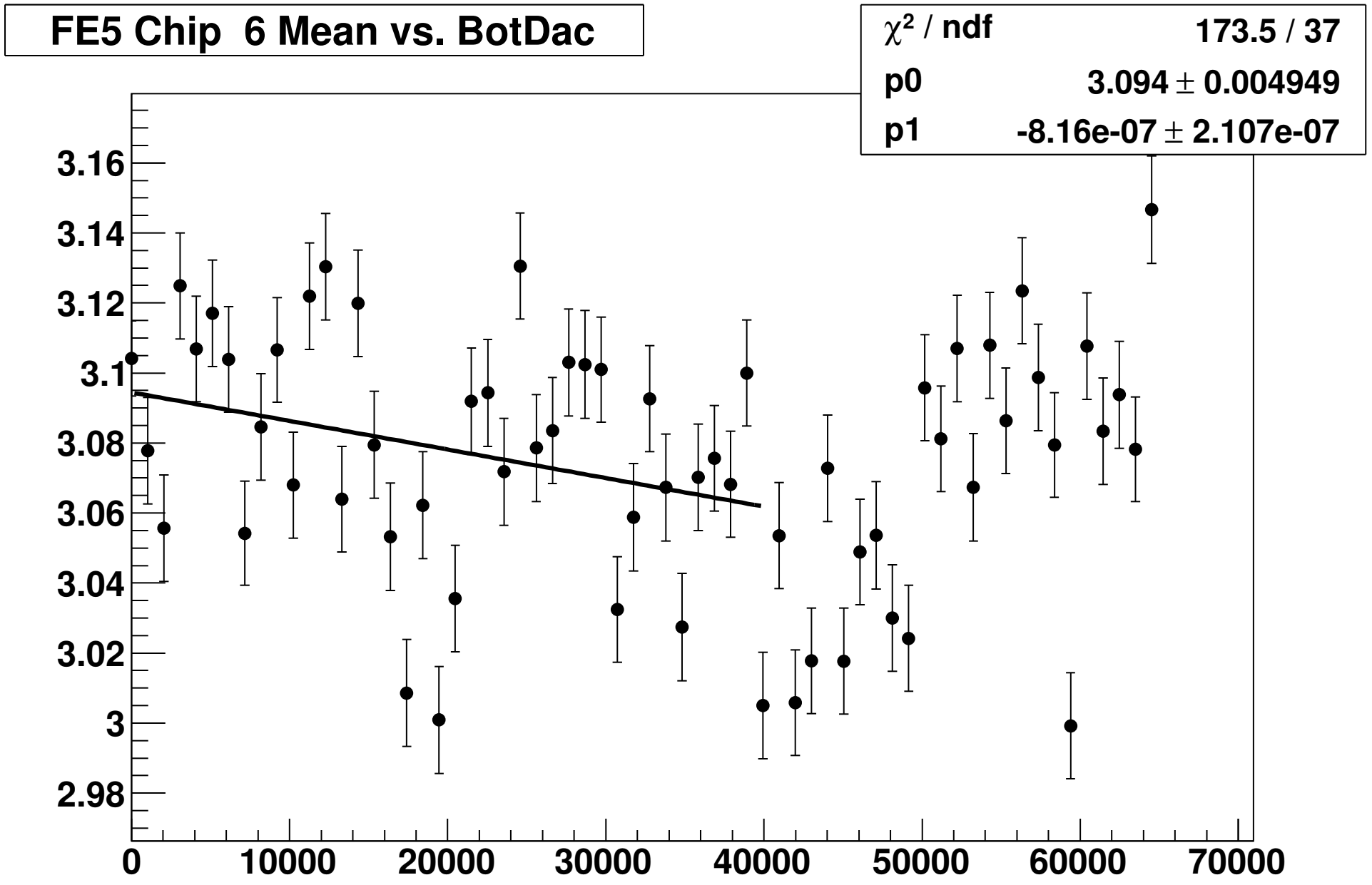
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 173.5 / 37
p0 3.094 ± 0.004949
p1 -8.16e-07 ± 2.107e-07
3.16
3.14
3.12
3.1
3.08
3.06
3.04
3.02
3
2.98
0
10000
20000
30000
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50000
60000
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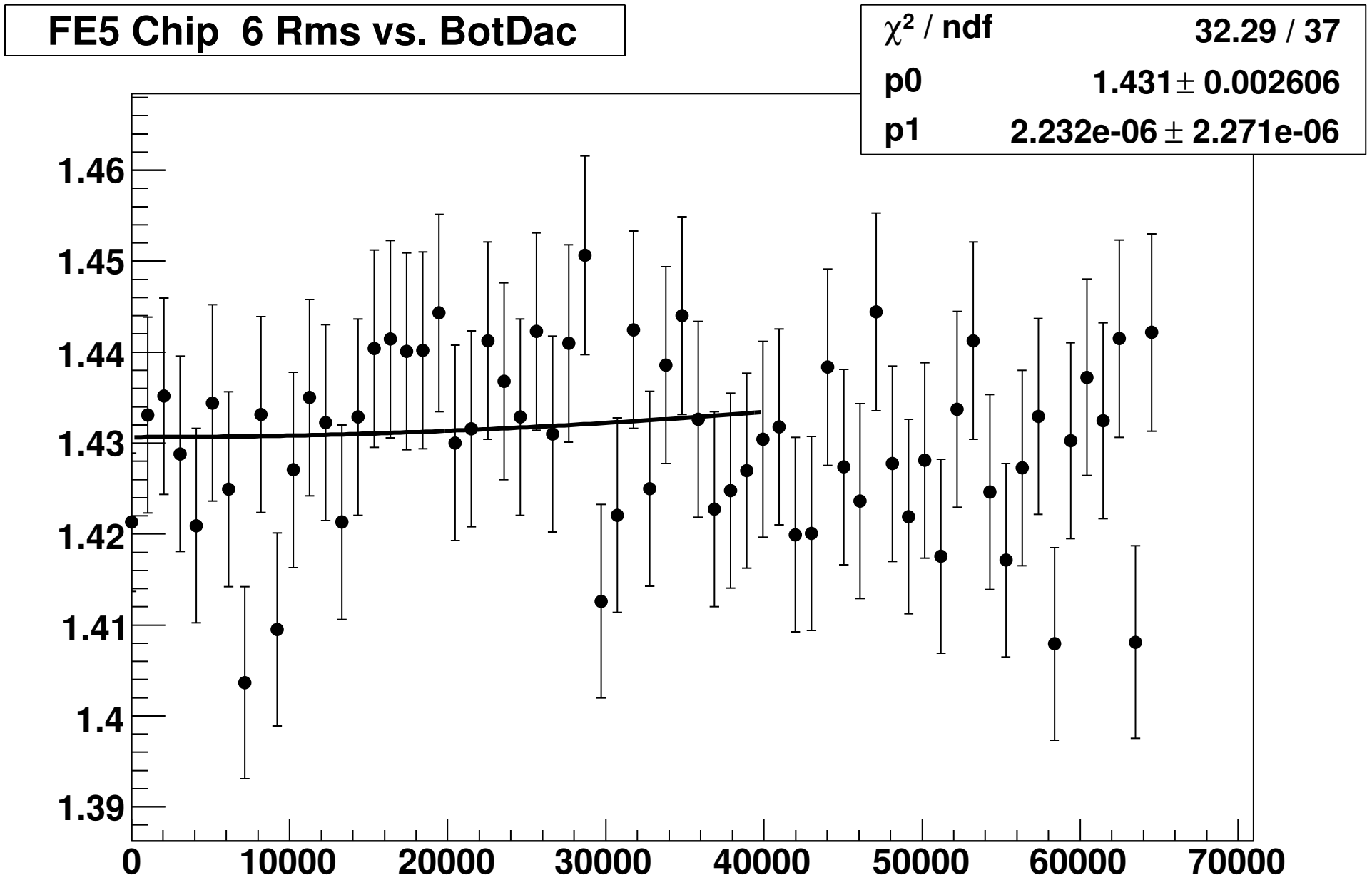
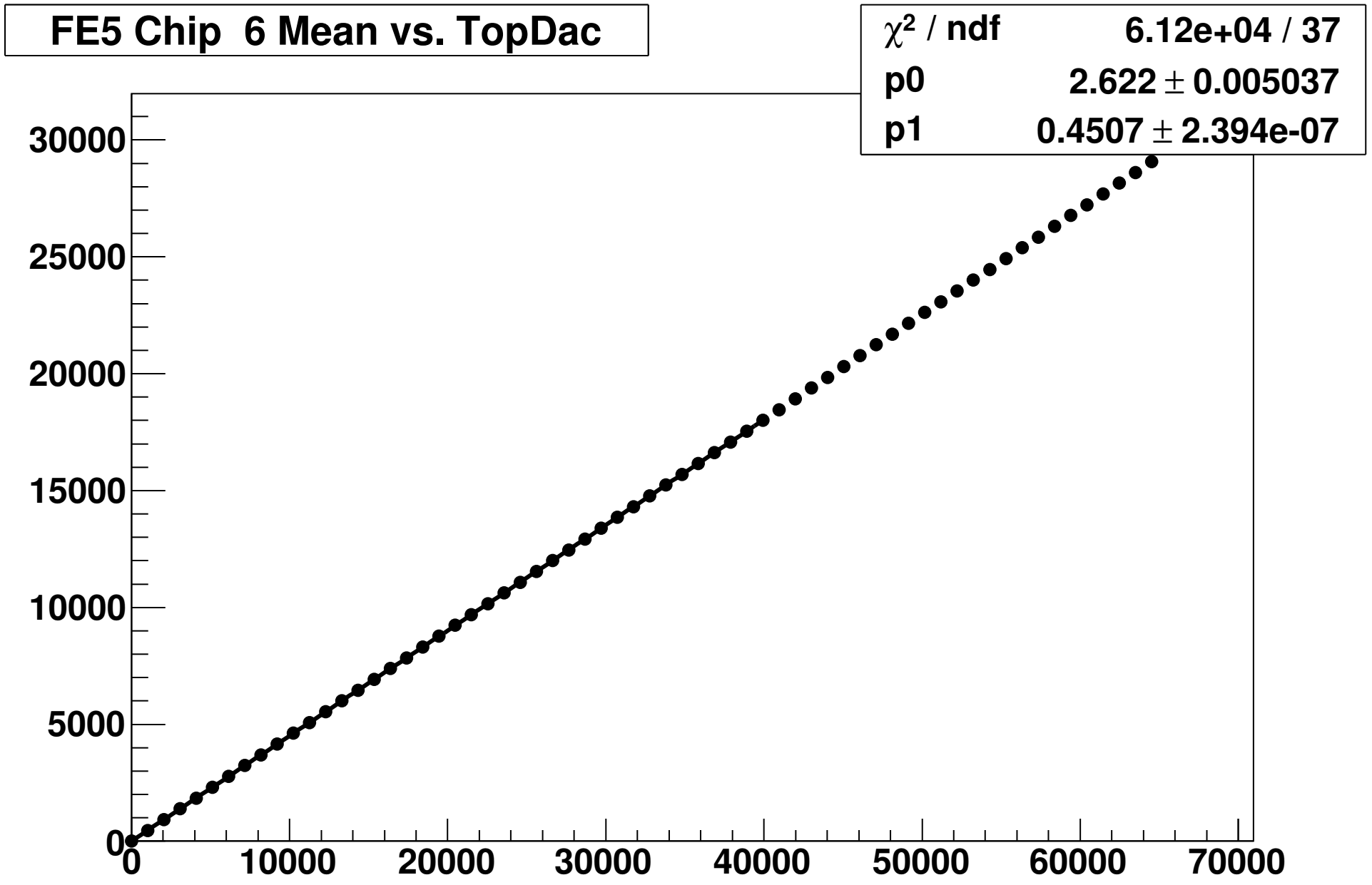

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 32.29 / 37
p0 1.431 ± 0.002606
p1 2.232e-06 ± 2.271e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 6.12e+04 / 37
p0 2.622 ± 0.005037
p1 0.4507 ± 2.394e-07
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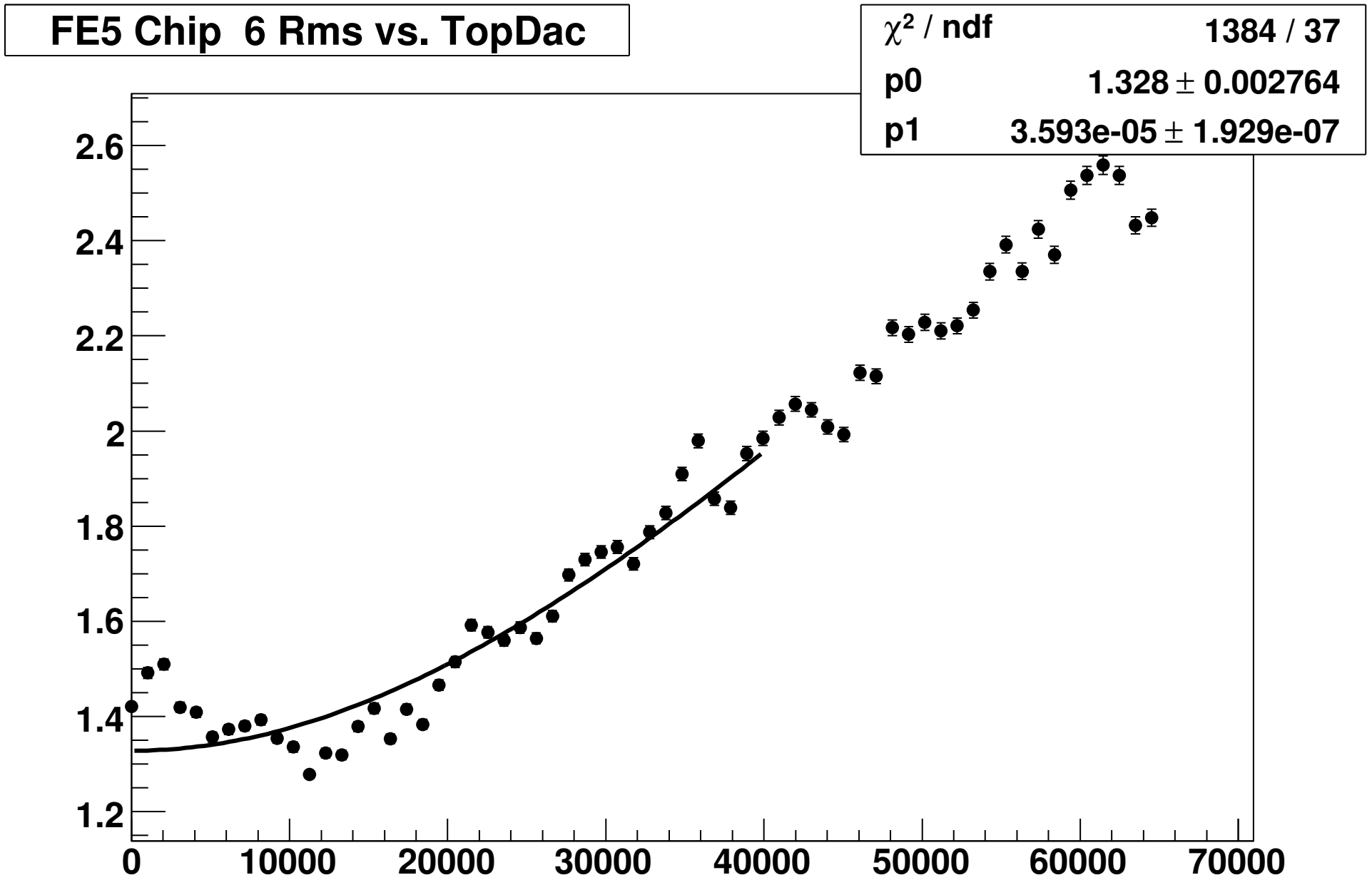
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1384 / 37
p0 1.328 ± 0.002764
p1 3.593e-05 ± 1.929e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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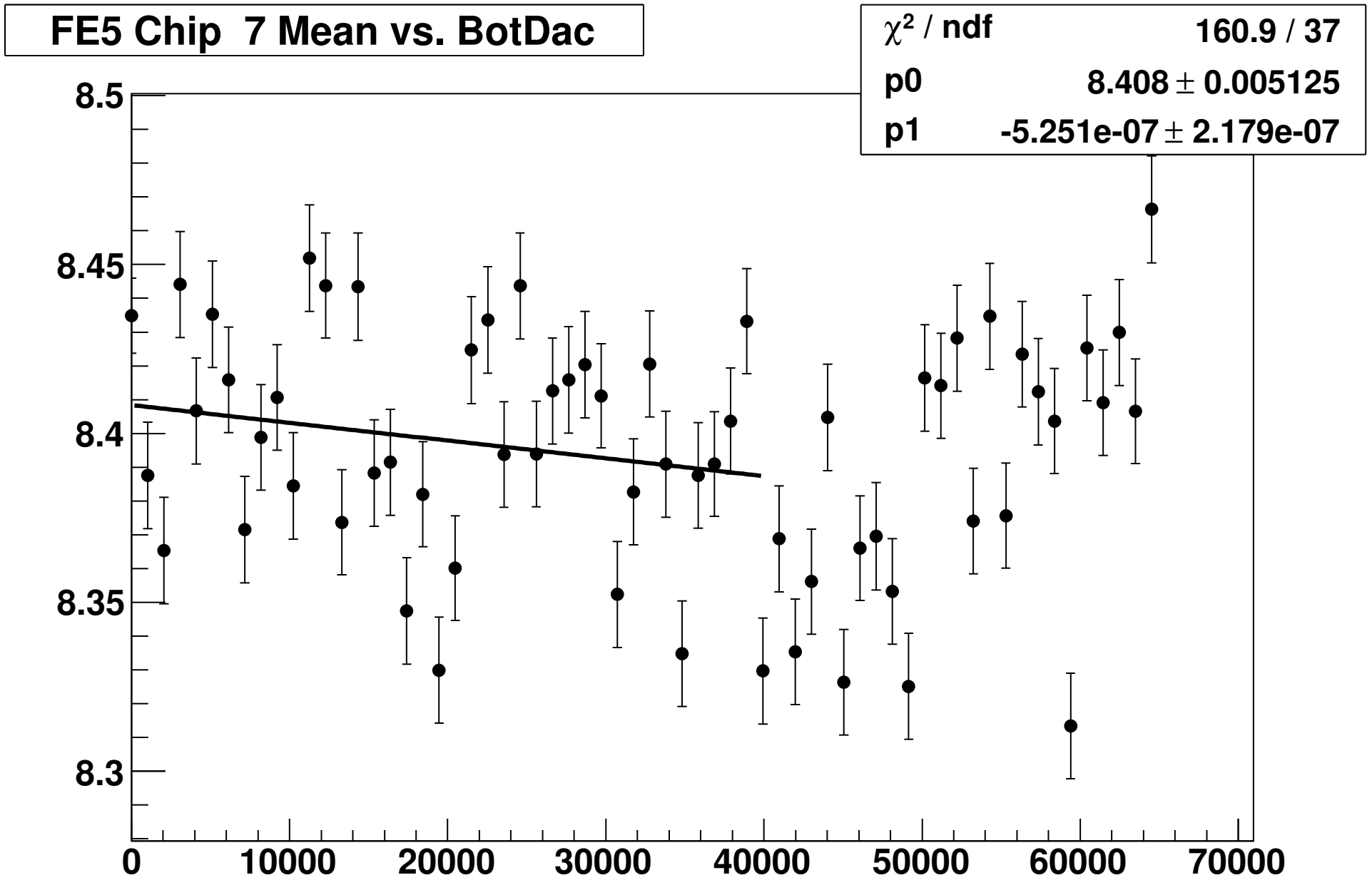
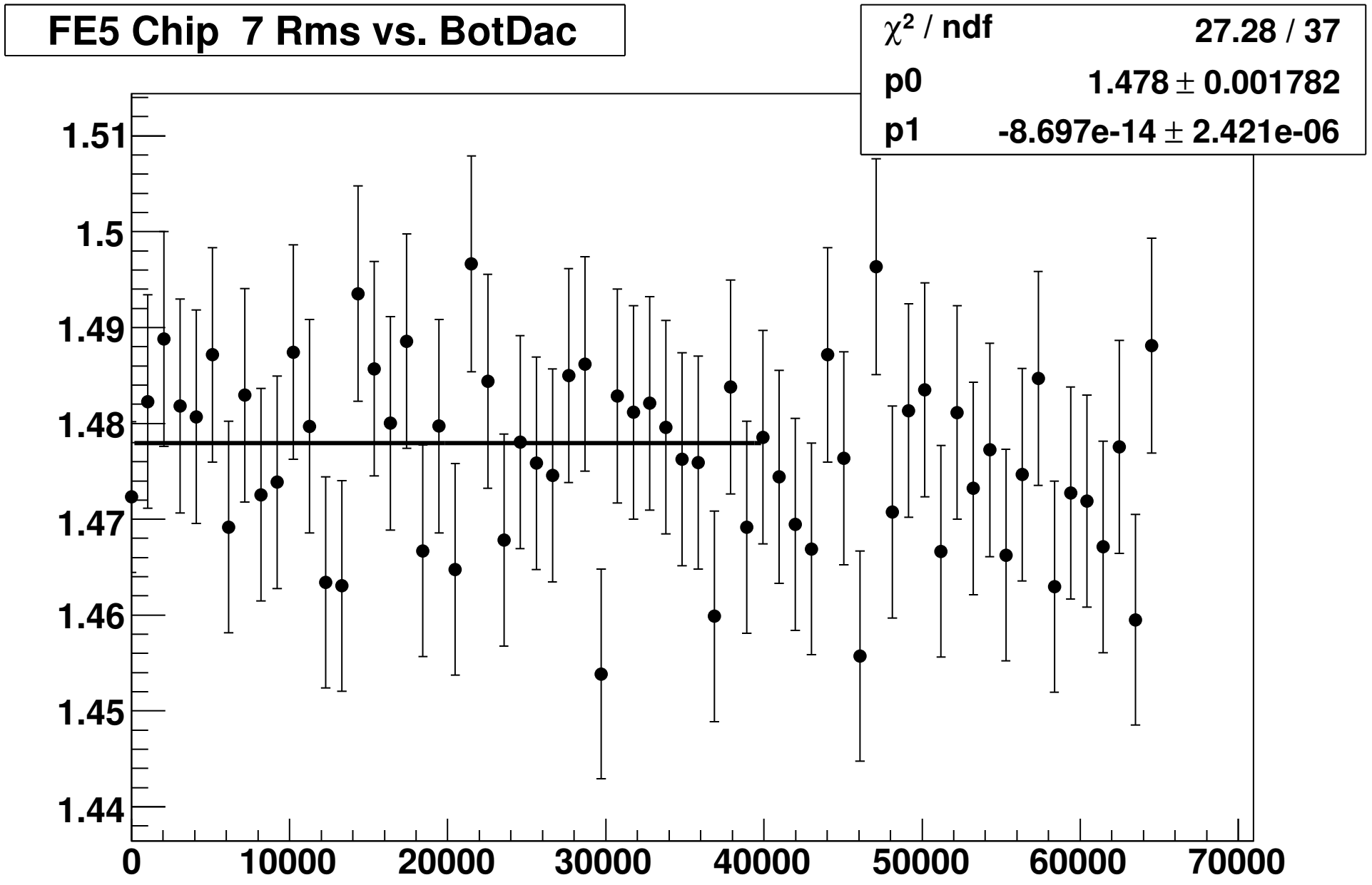
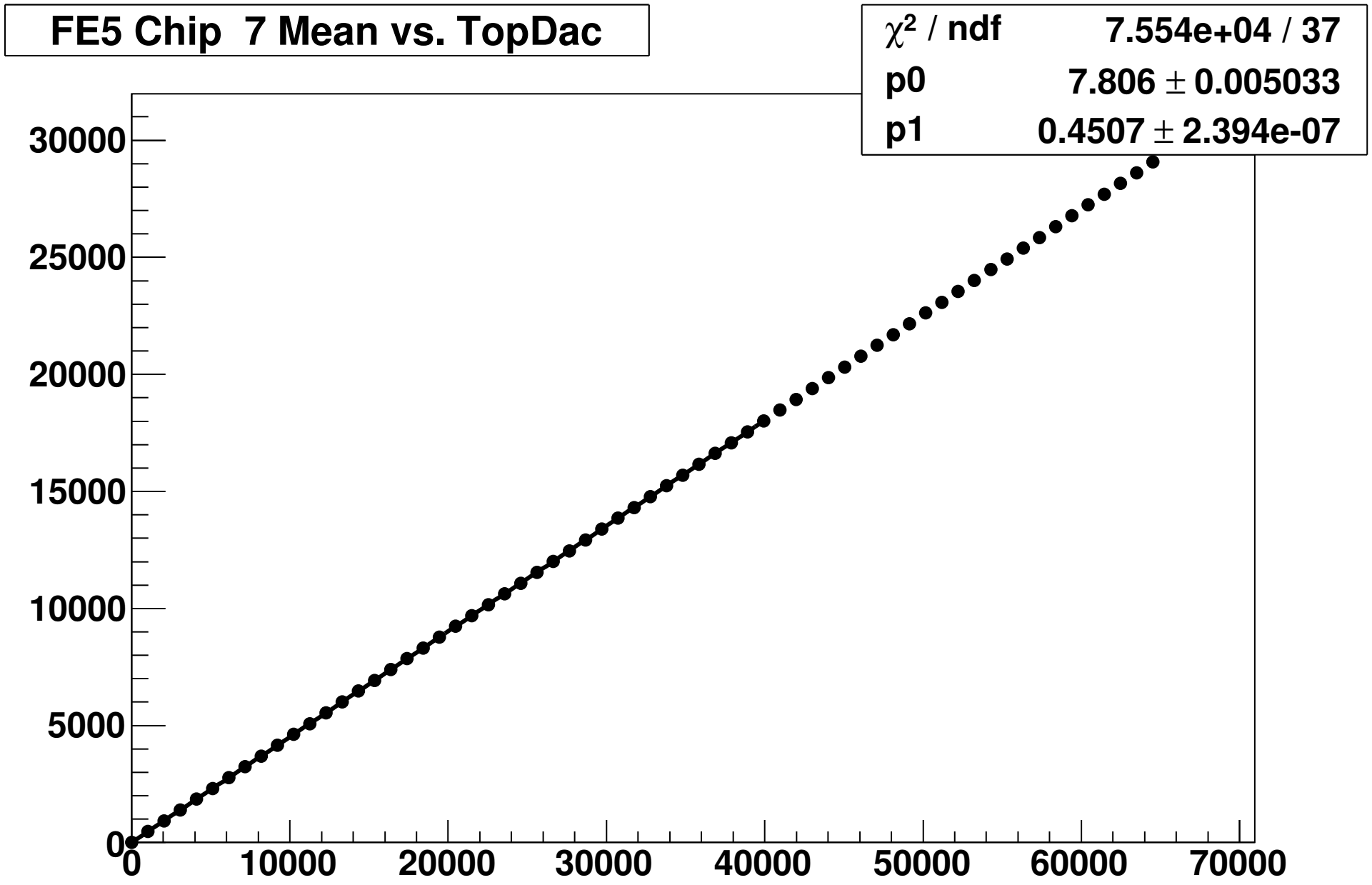
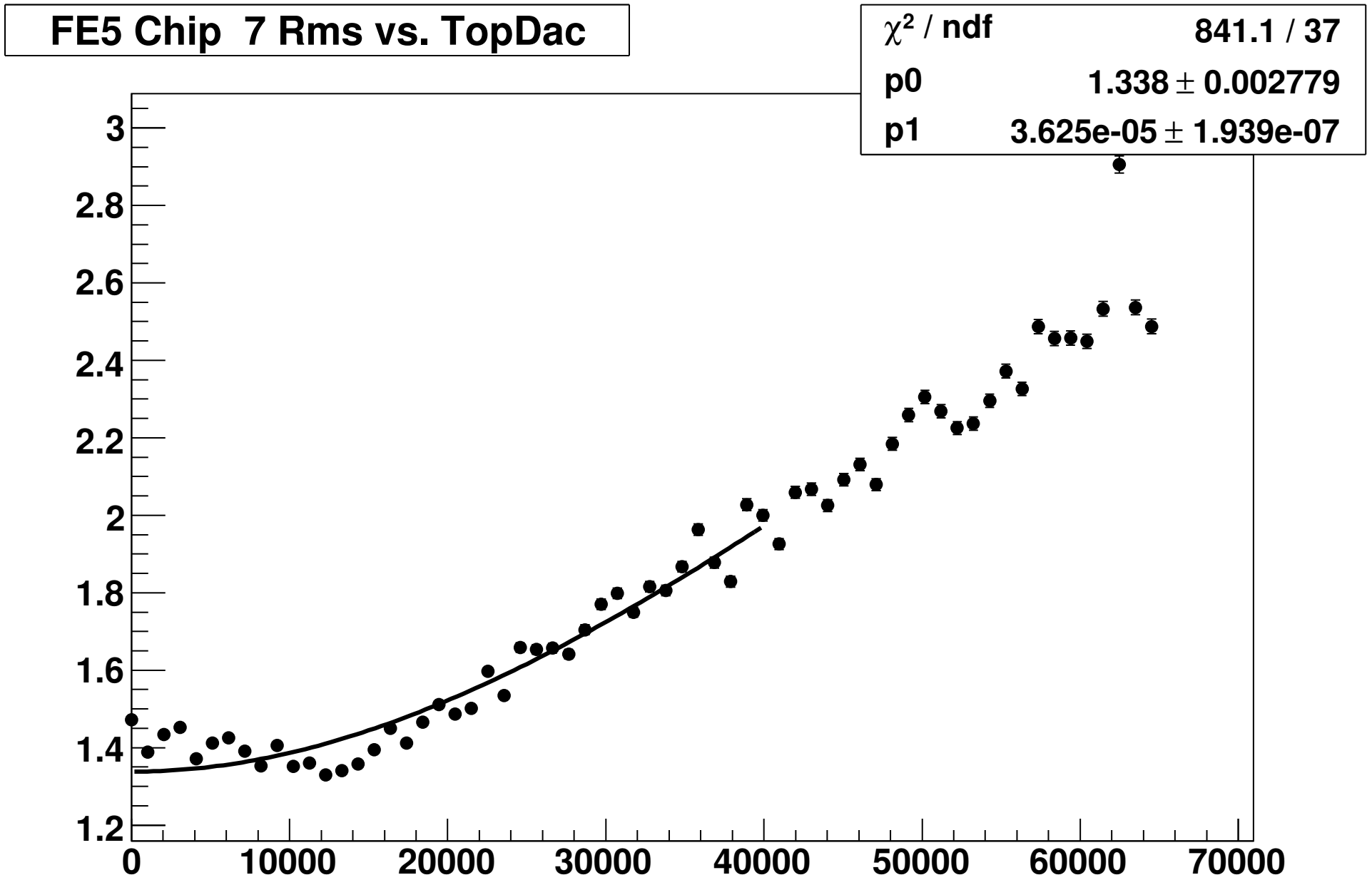

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 160.9 / 37
p0 8.408 ± 0.005125
p1 -5.251e-07 ± 2.179e-07
8.5
8.45
8.4
8.35
8.3
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 27.28 / 37
p0 1.478 ± 0.001782
p1 -8.697e-14 ± 2.421e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 7.554e+04 / 37
p0 7.806 ± 0.005033
p1 0.4507 ± 2.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 841.1 / 37
p0 1.338 ± 0.002779
p1 3.625e-05 ± 1.939e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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40000
50000
60000
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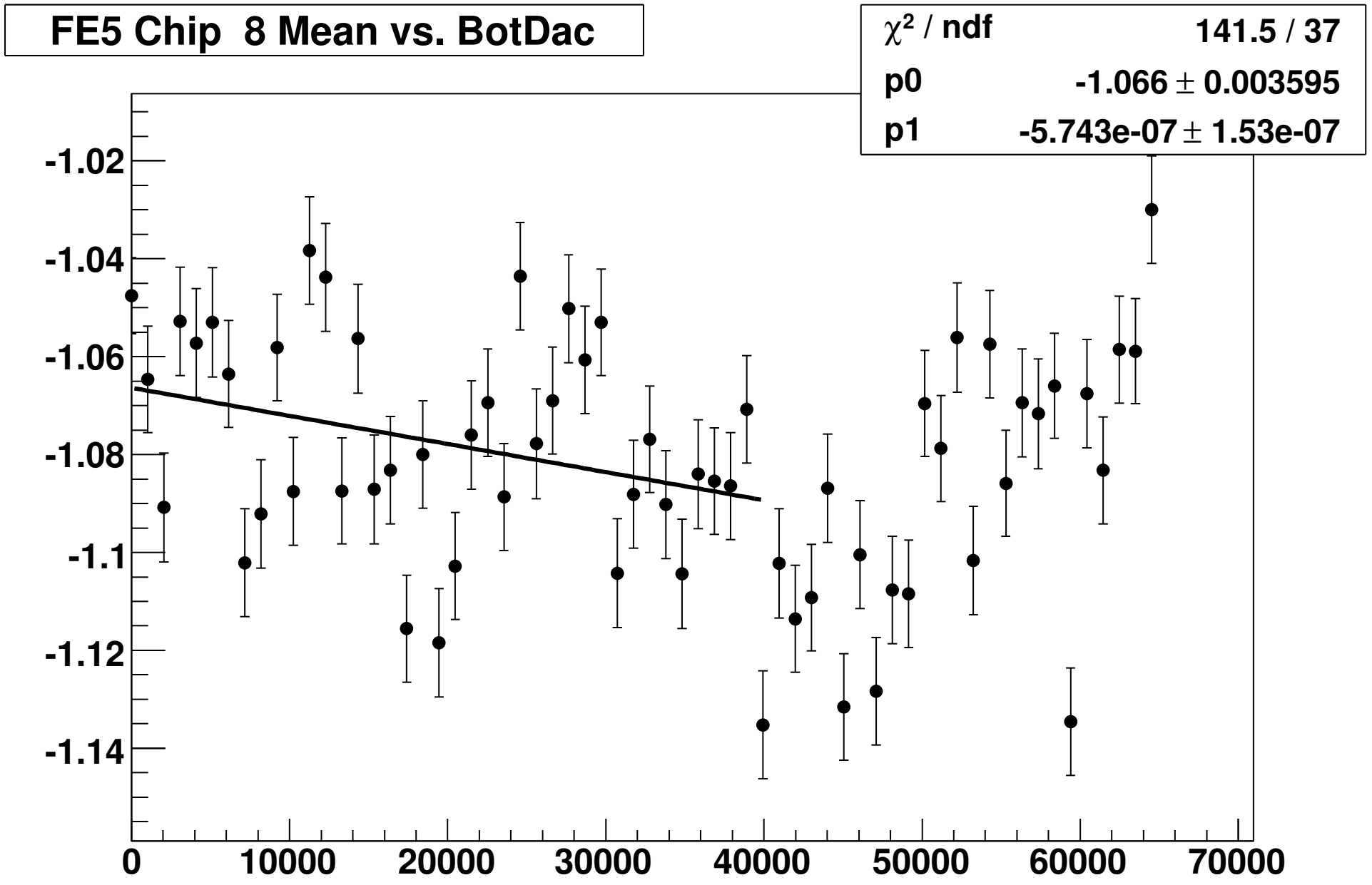
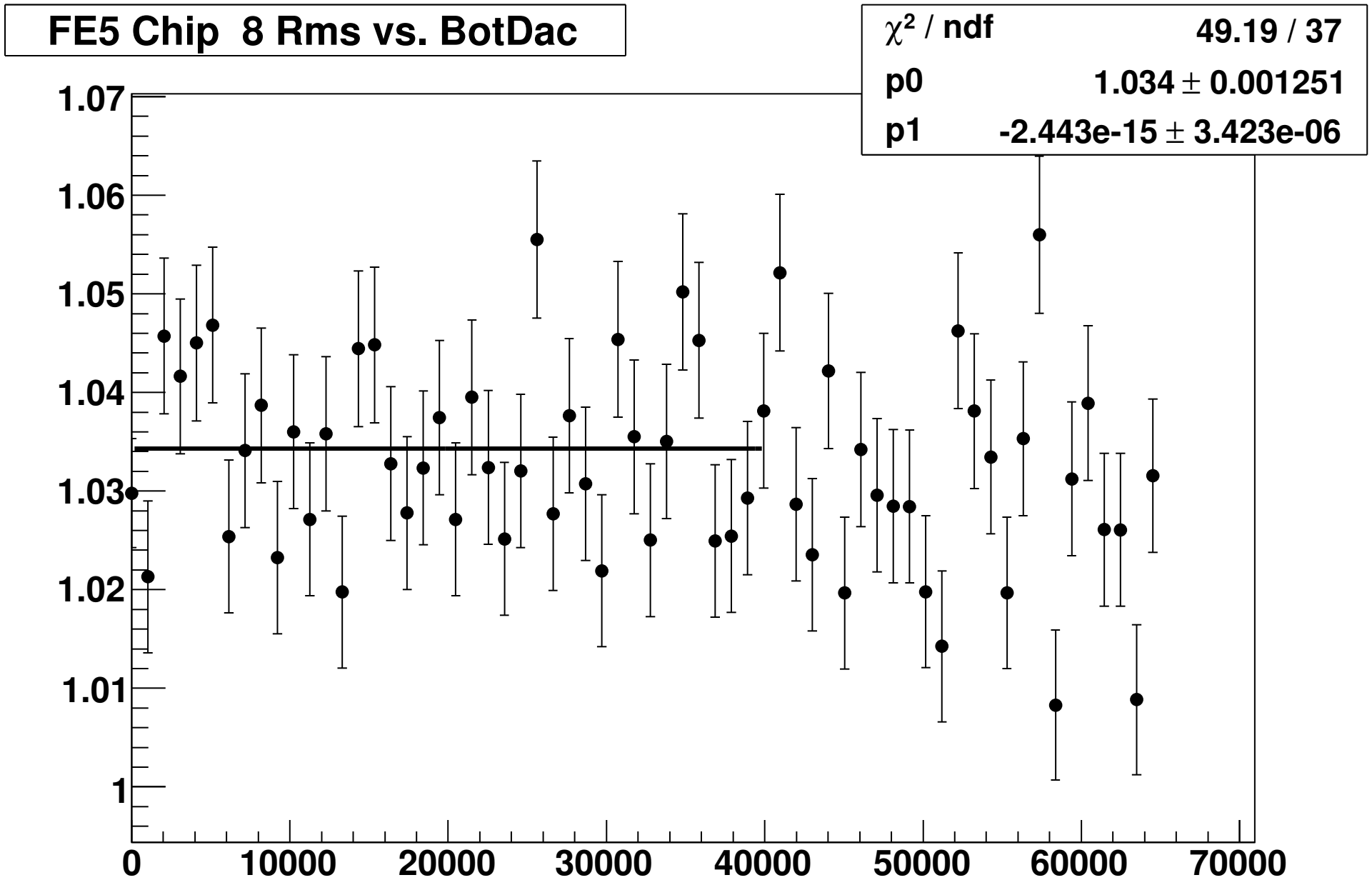
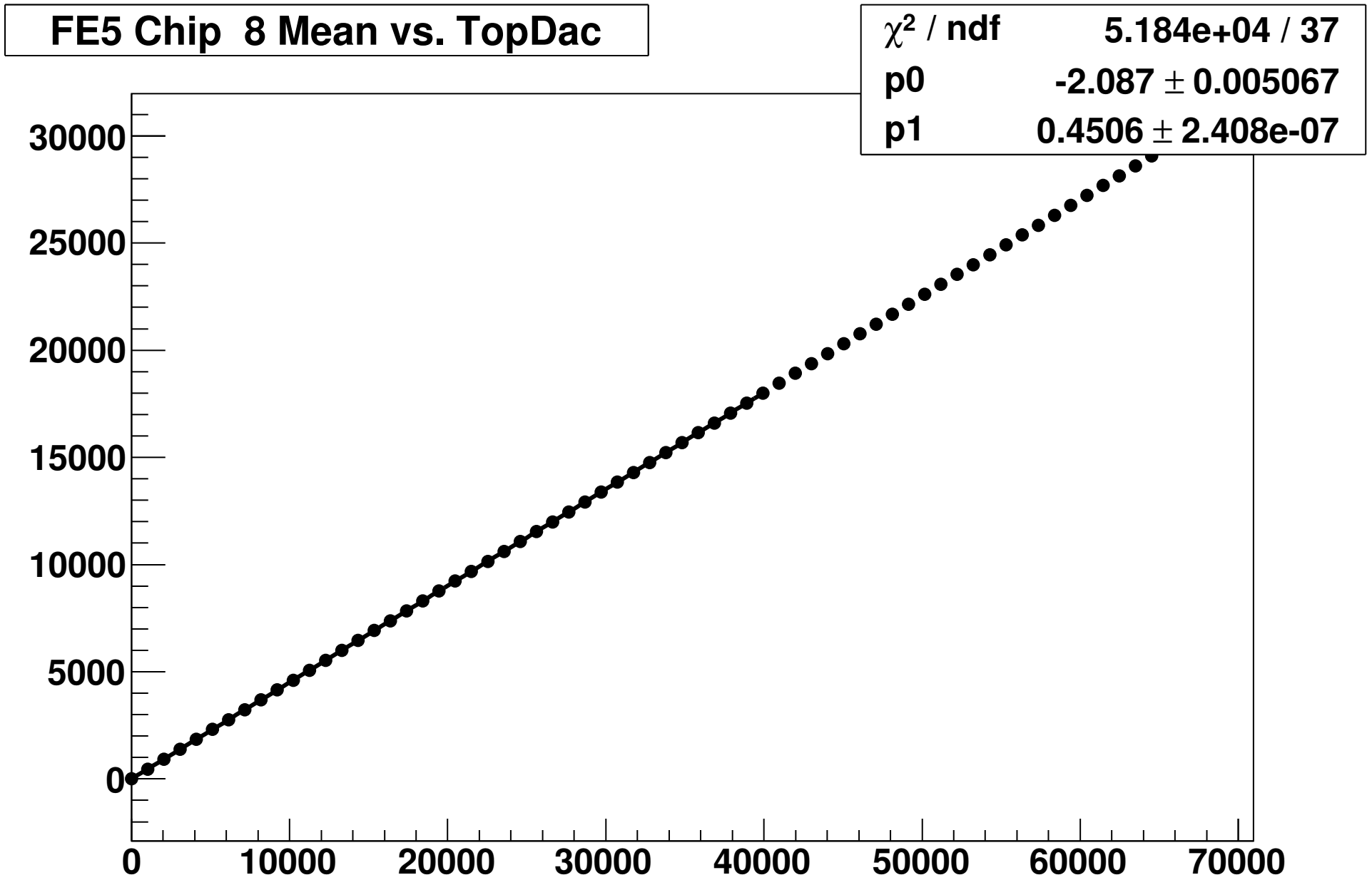
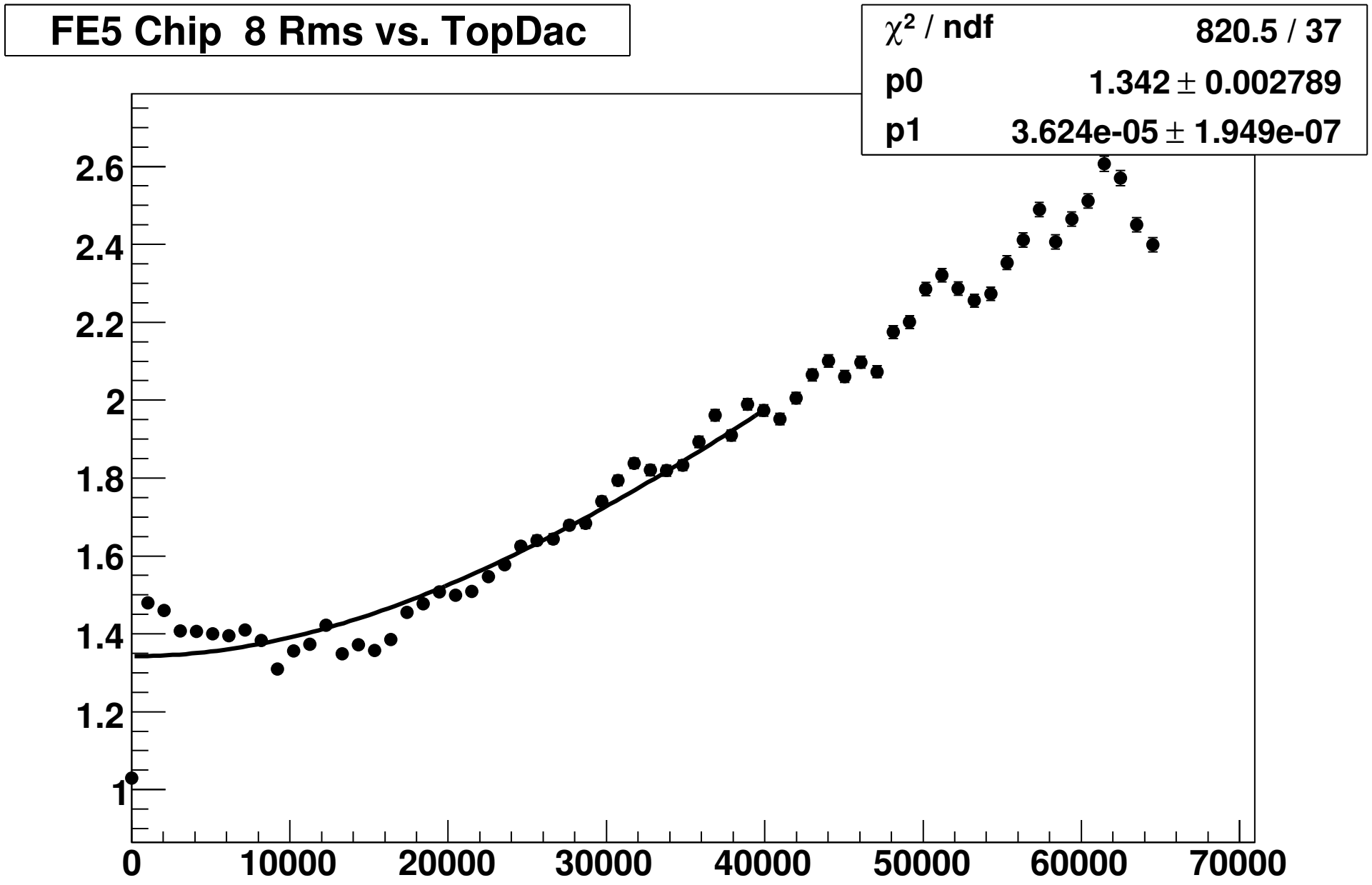

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 141.5 / 37
p0 -1.066 ± 0.003595
p1 -5.743e-07 ± 1.53e-07
-1.02
-1.04
-1.06
-1.08
-1.1
-1.12
-1.14
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 49.19 / 37
p0 1.034 ± 0.001251
p1 -2.443e-15 ± 3.423e-06
1.07
1.06
1.05
1.04
1.03
1.02
1.01
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 5.184e+04 / 37
p0 -2.087 ± 0.005067
p1 0.4506 ± 2.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 820.5 / 37
p0 1.342 ± 0.002789
p1 3.624e-05 ± 1.949e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
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20000
30000
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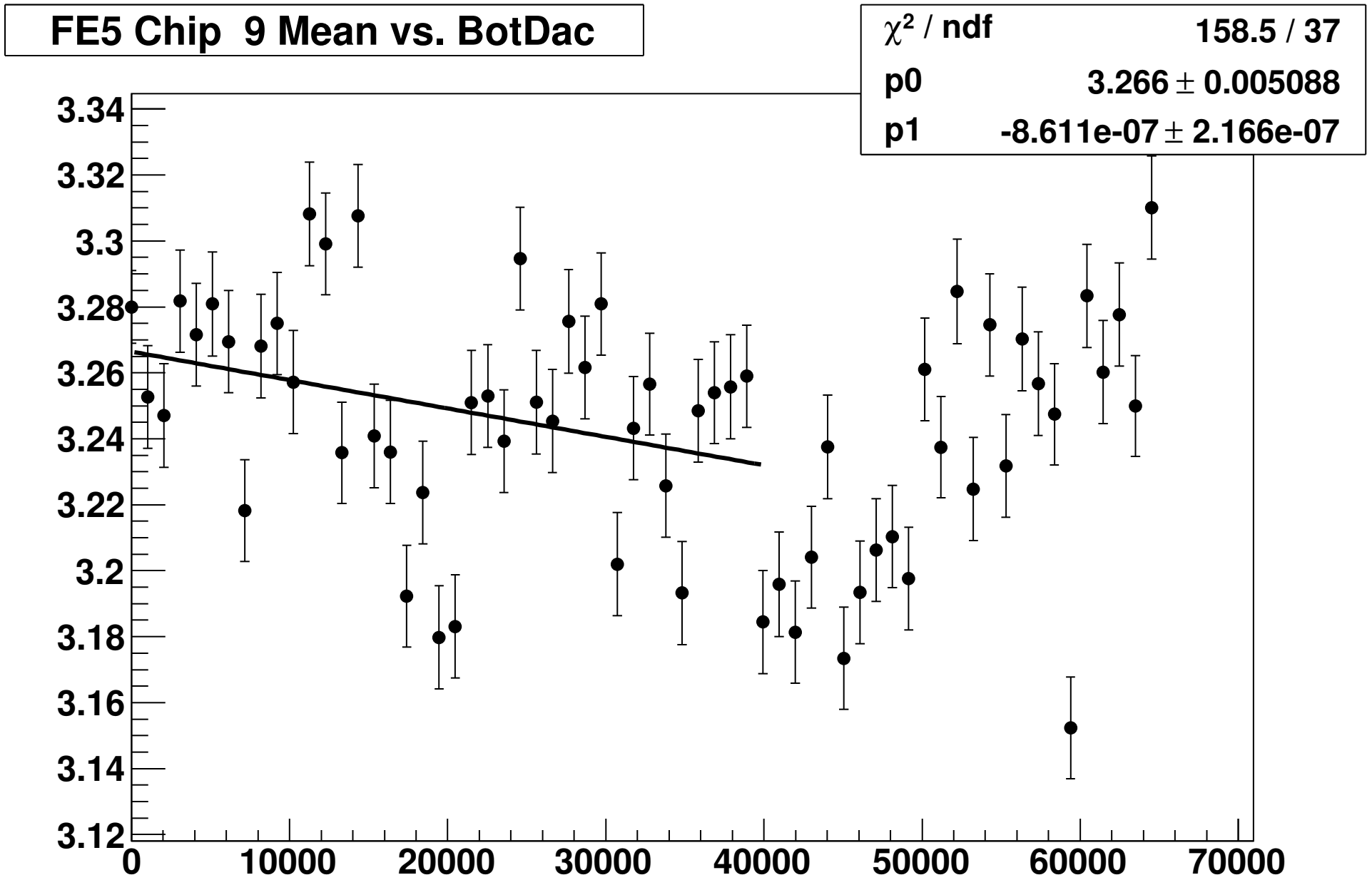
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 158.5 / 37
p0 3.266 ± 0.005088
p1 -8.611e-07 ± 2.166e-07
3.34
3.32
3.3
3.28
3.26
3.24
3.22
3.2
3.18
3.16
3.14
3.12
0
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30000
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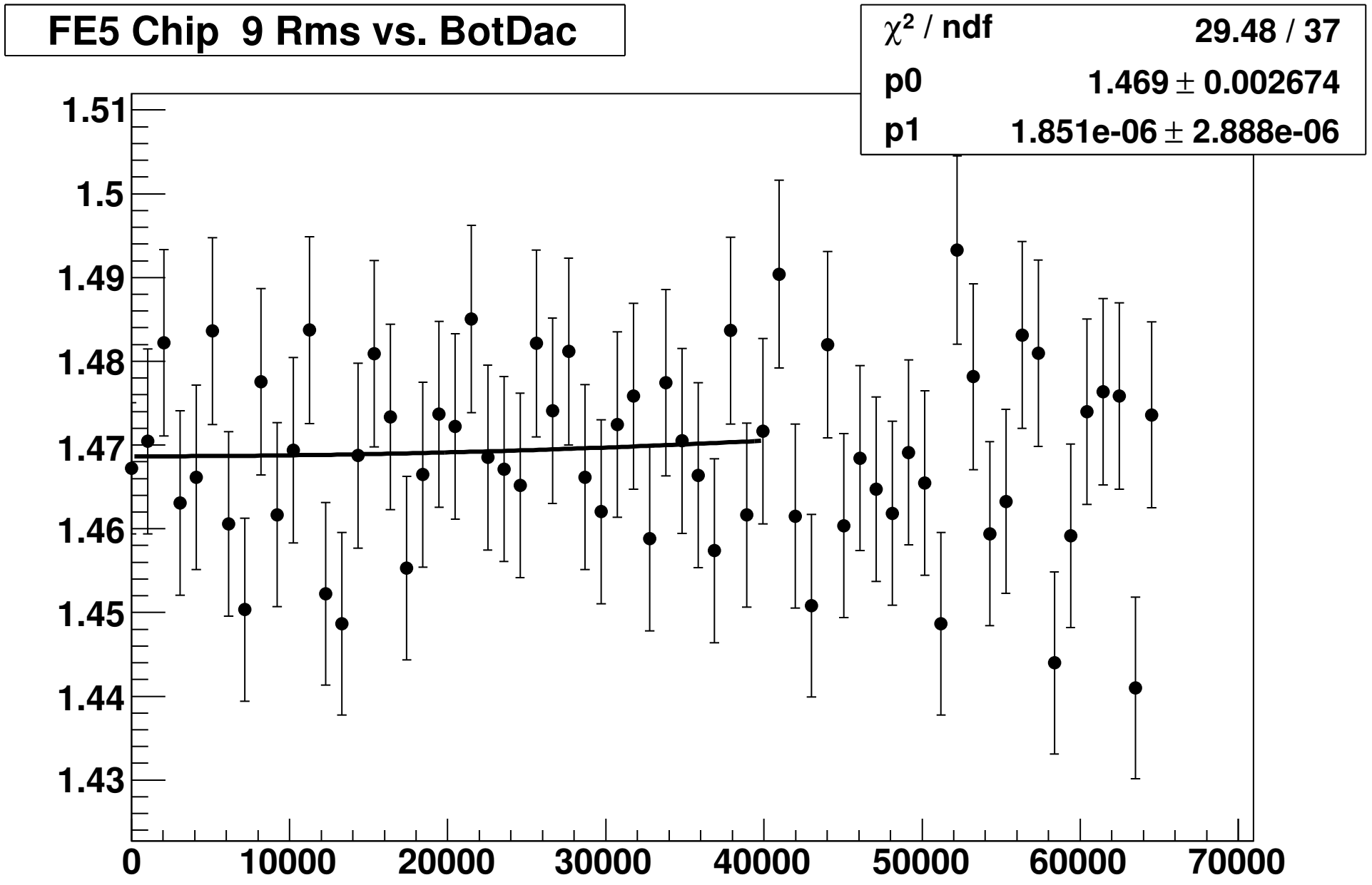
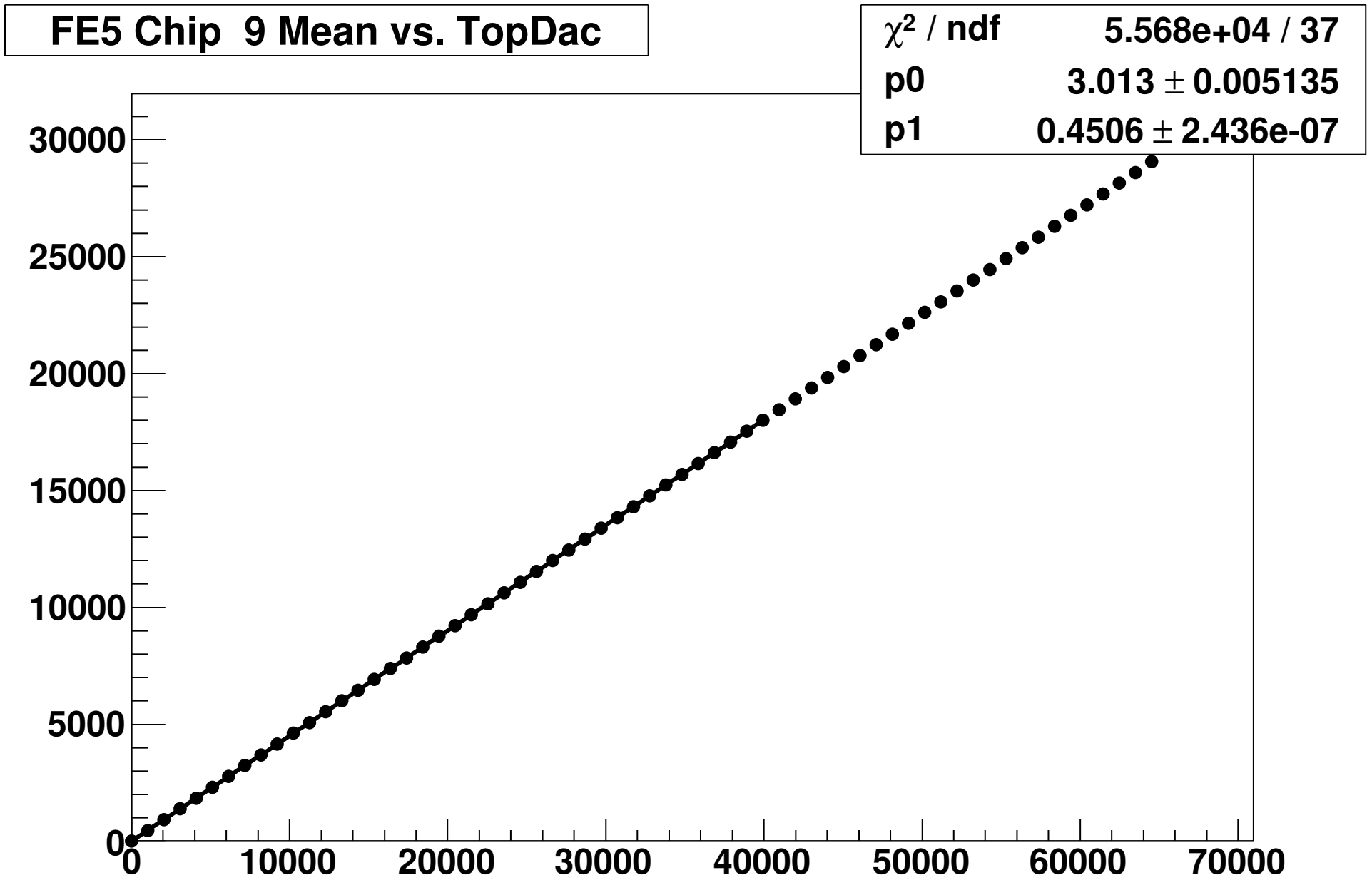
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 29.48 / 37
p0 1.469 ± 0.002674
p1 1.851e-06 ± 2.888e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 5.568e+04 / 37
p0 3.013 ± 0.005135
p1 0.4506 ± 2.436e-07
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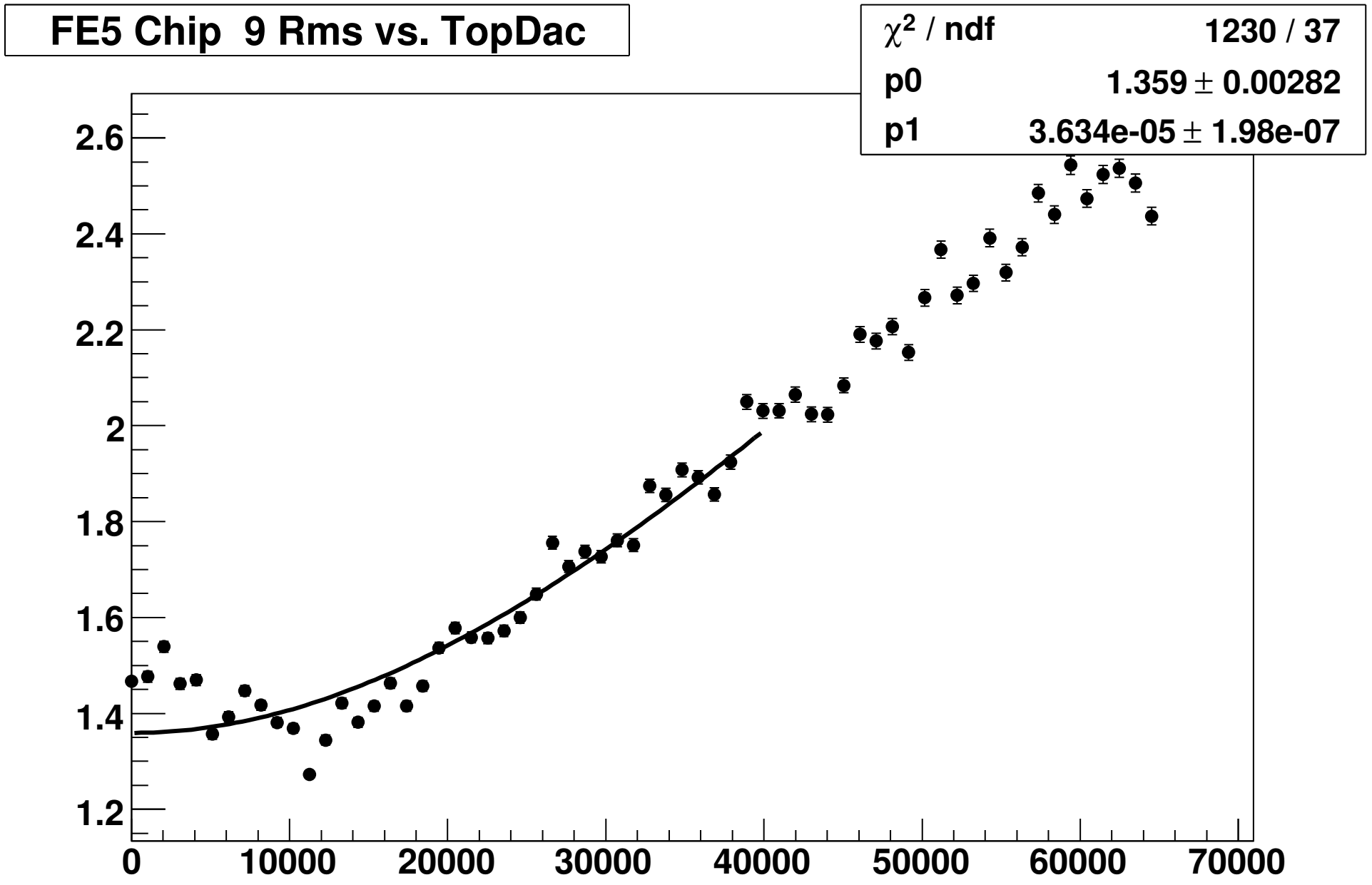
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1230 / 37
p0 1.359 ± 0.00282
p1 3.634e-05 ± 1.98e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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60000
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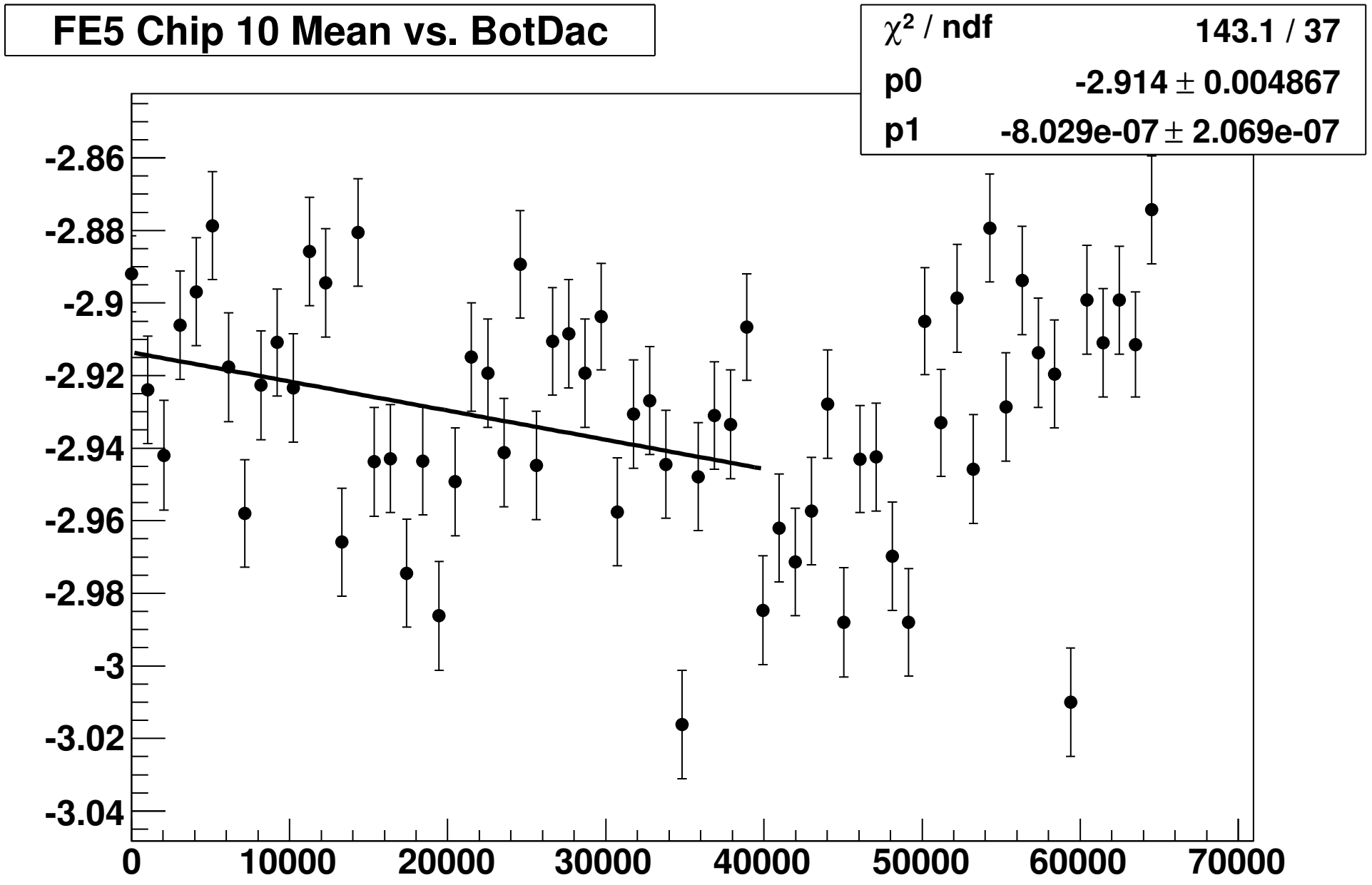
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 143.1 / 37
p0 -2.914 ± 0.004867
p1 -8.029e-07 ± 2.069e-07
-2.86
-2.88
-2.9
-2.92
-2.94
-2.96
-2.98
-3
-3.02
-3.04
0
10000
20000
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50000
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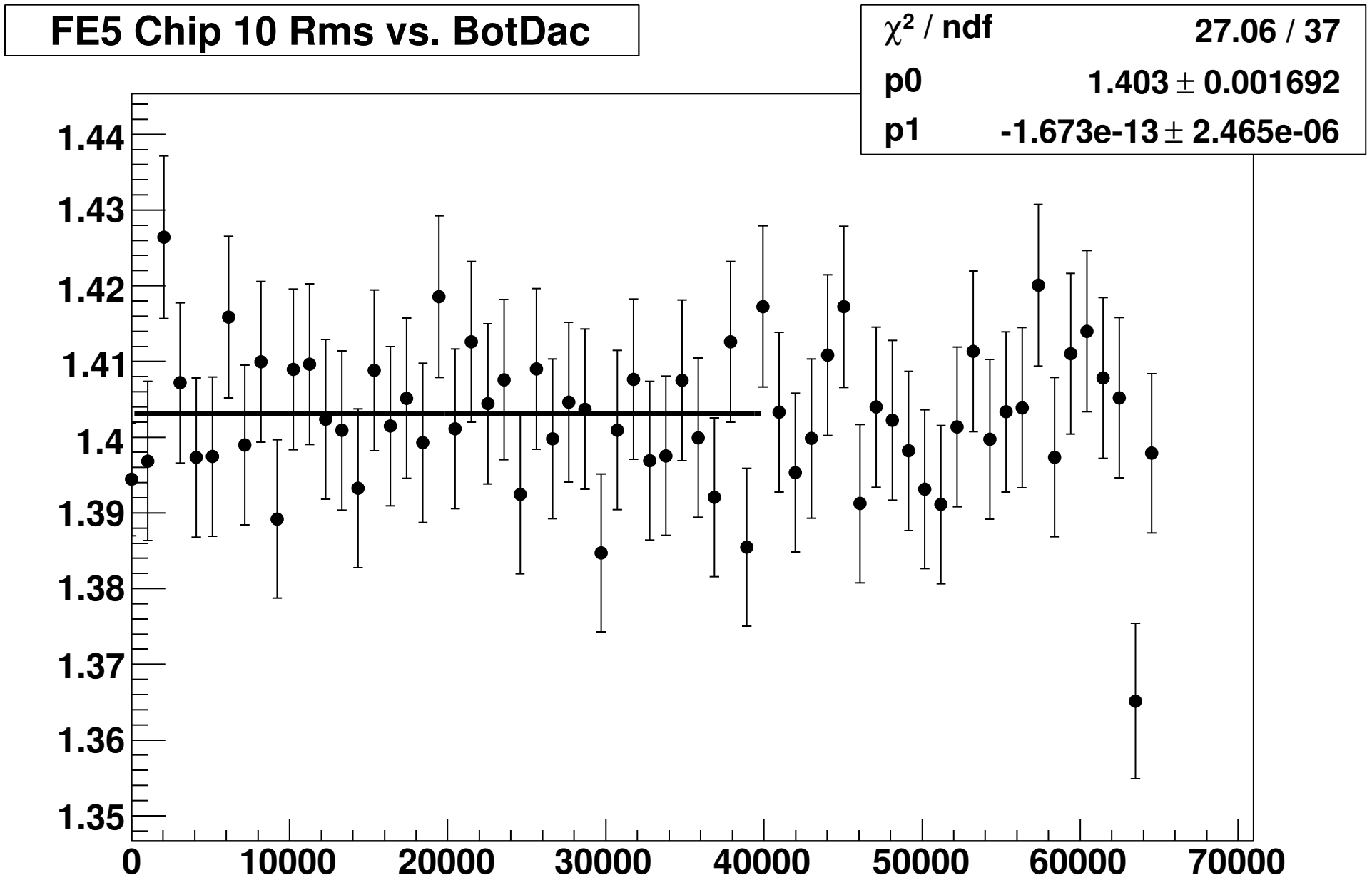
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 27.06 / 37
p0 1.403 ± 0.001692
p1 -1.673e-13 ± 2.465e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
1.35
0
10000
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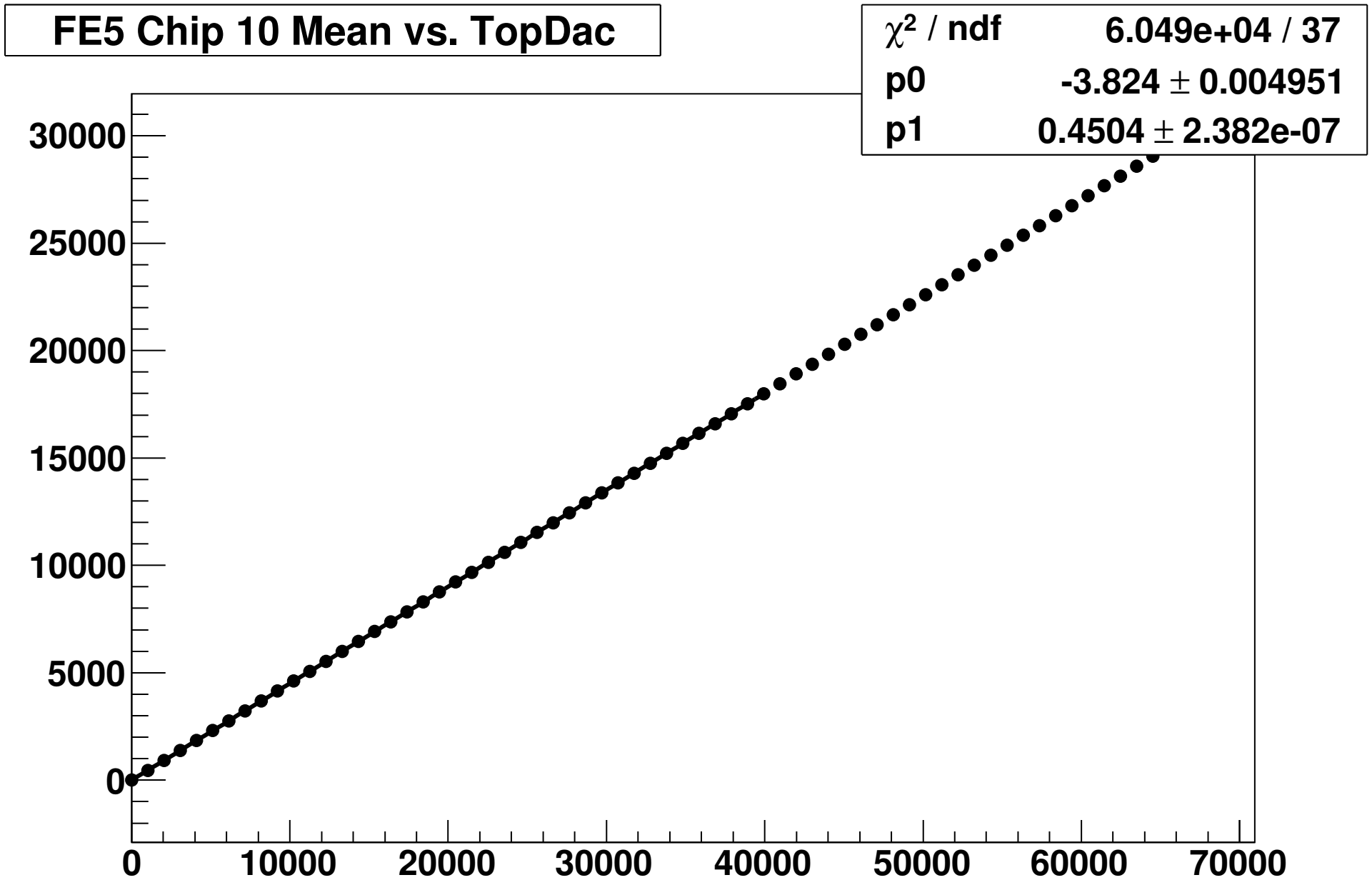
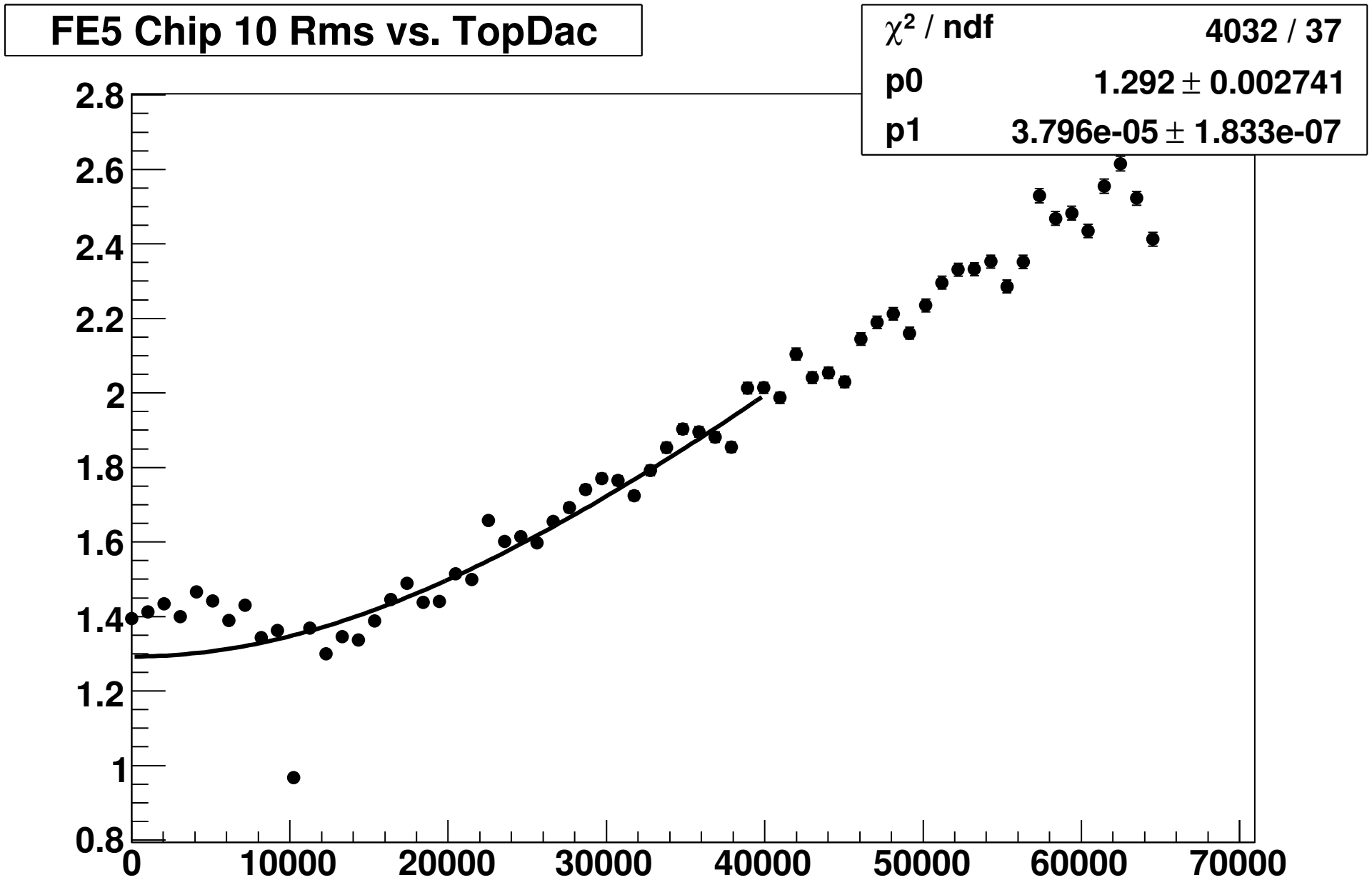

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 6.049e+04 / 37
p0 -3.824 ± 0.004951
p1 0.4504 ± 2.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 4032 / 37
p0 1.292 ± 0.002741
p1 3.796e-05 ± 1.833e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
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60000
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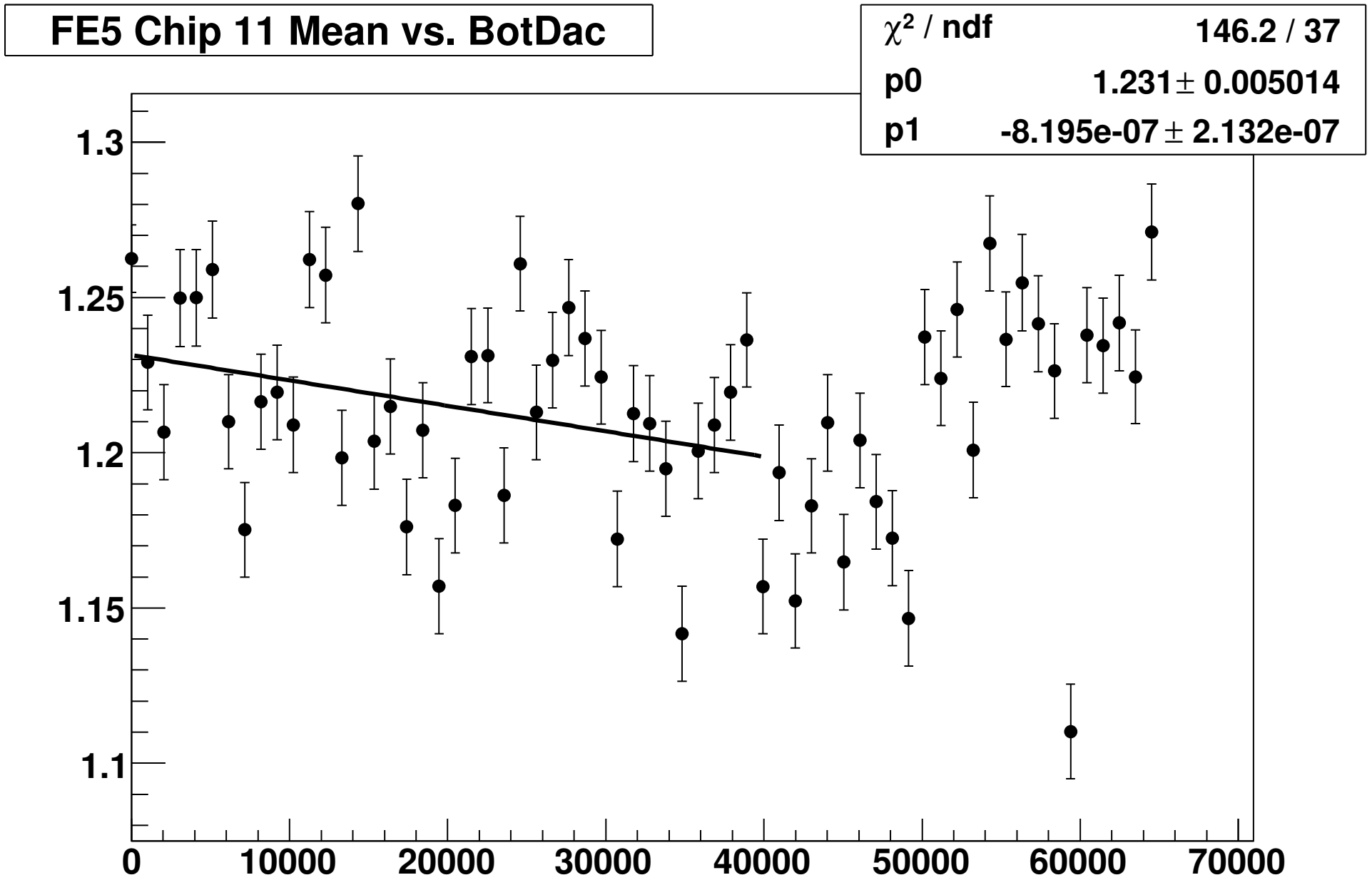
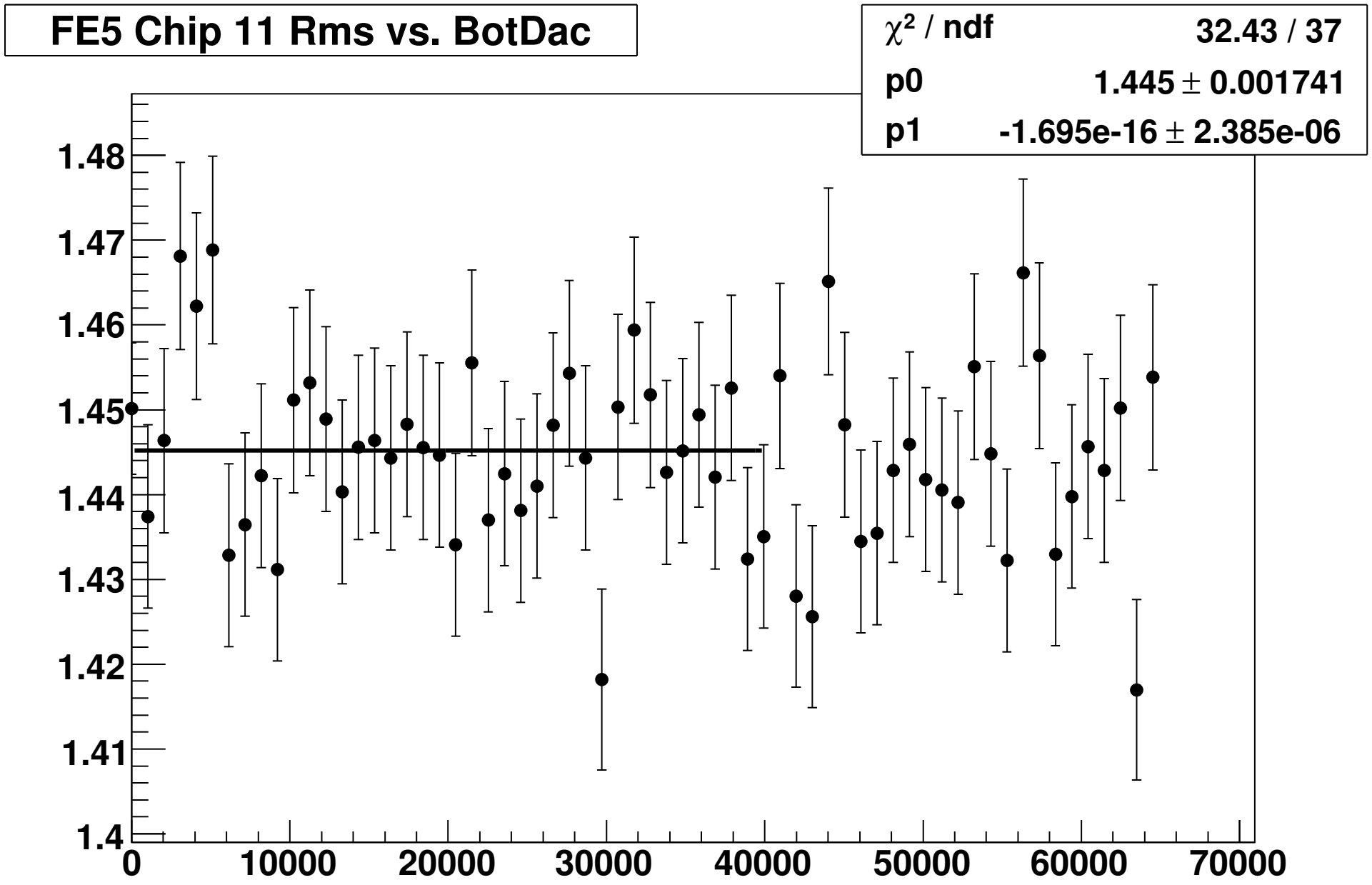

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 146.2 / 37
p0 1.231 ± 0.005014
p1 -8.195e-07 ± 2.132e-07
1.3
1.25
1.2
1.15
1.1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 32.43 / 37
p0 1.445 ± 0.001741
p1 -1.695e-16 ± 2.385e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
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40000
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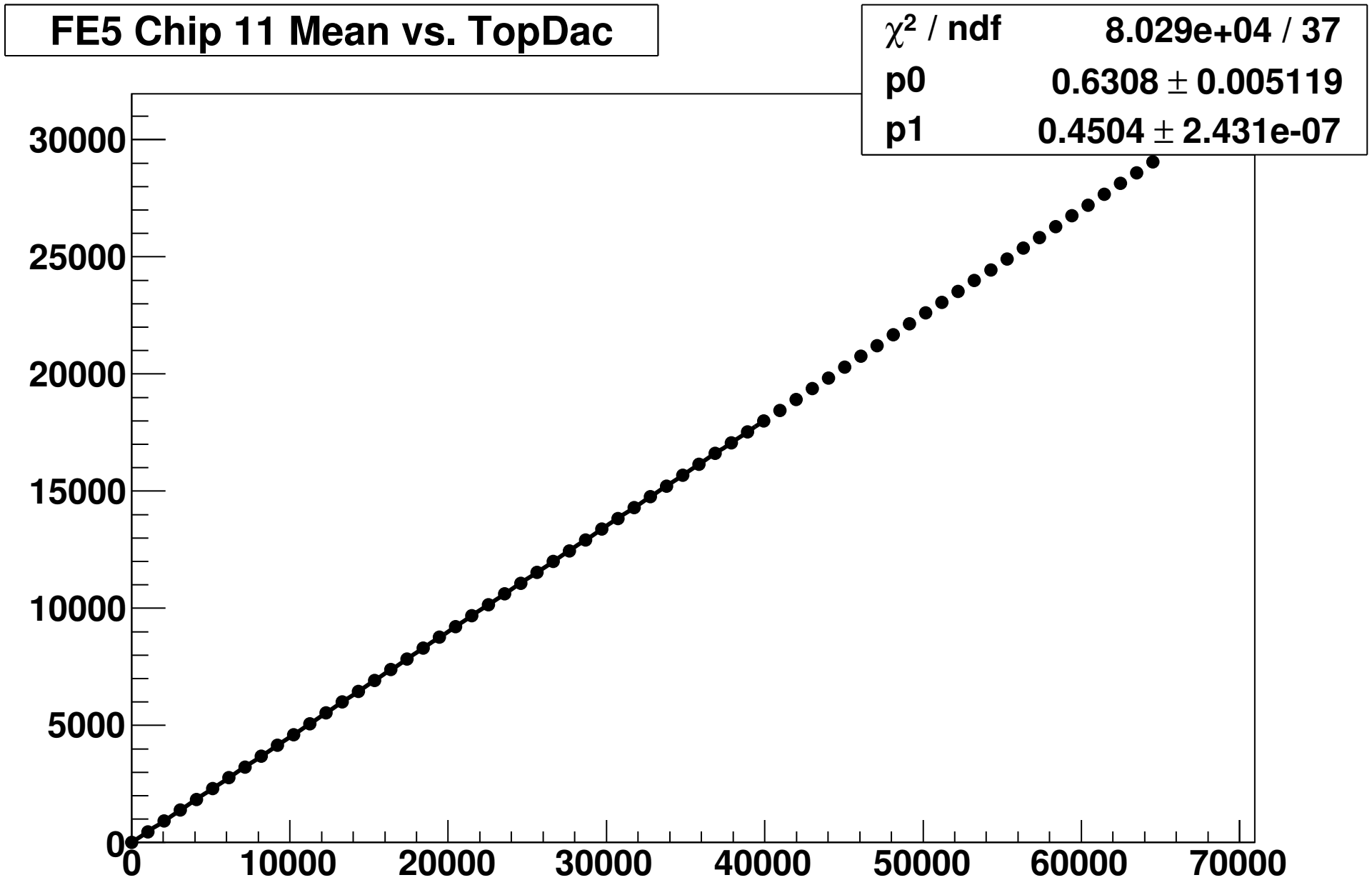
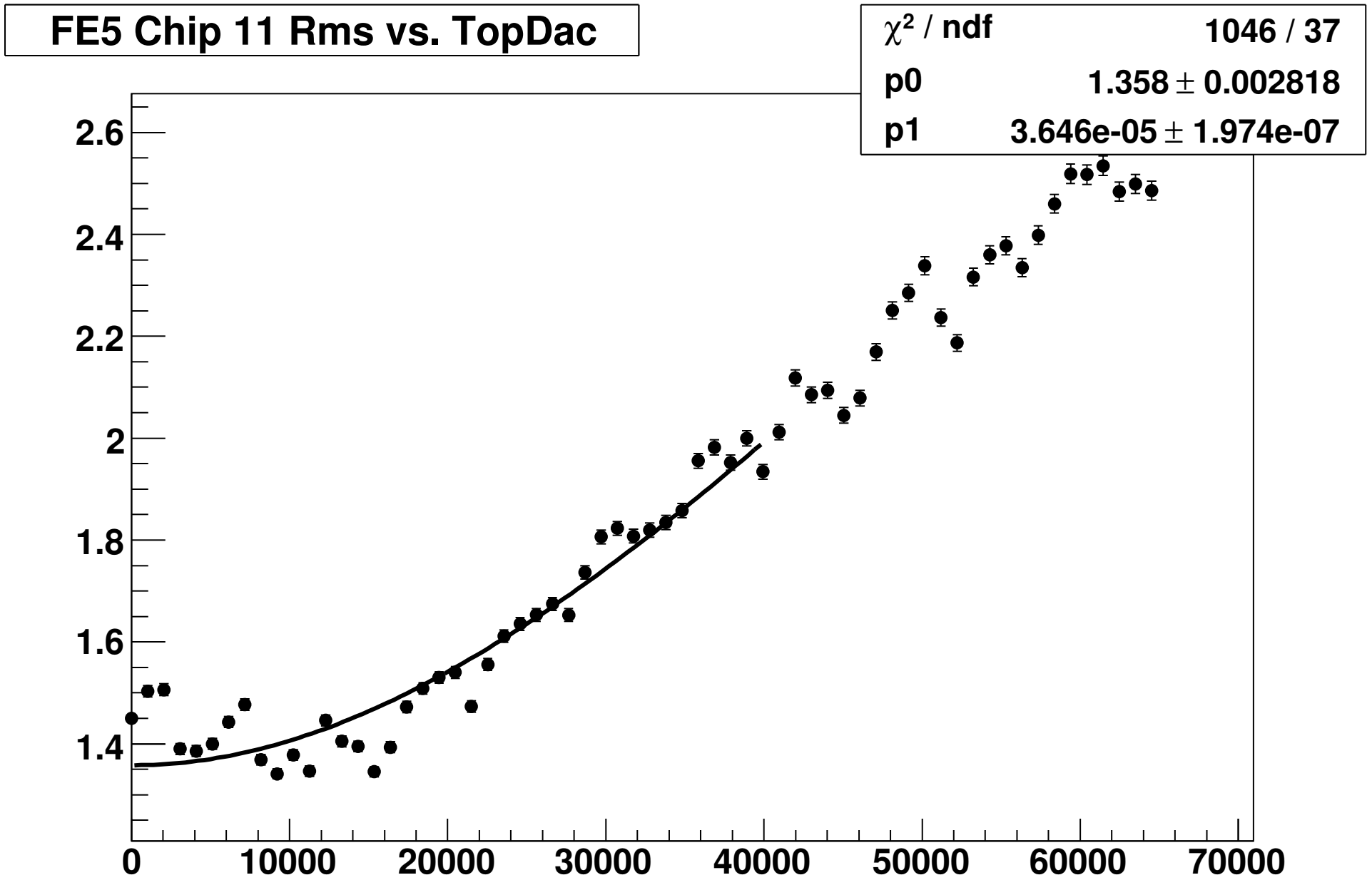

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 8.029e+04 / 37
p0 0.6308 ± 0.005119
p1 0.4504 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1046 / 37
p0 1.358 ± 0.002818
p1 3.646e-05 ± 1.974e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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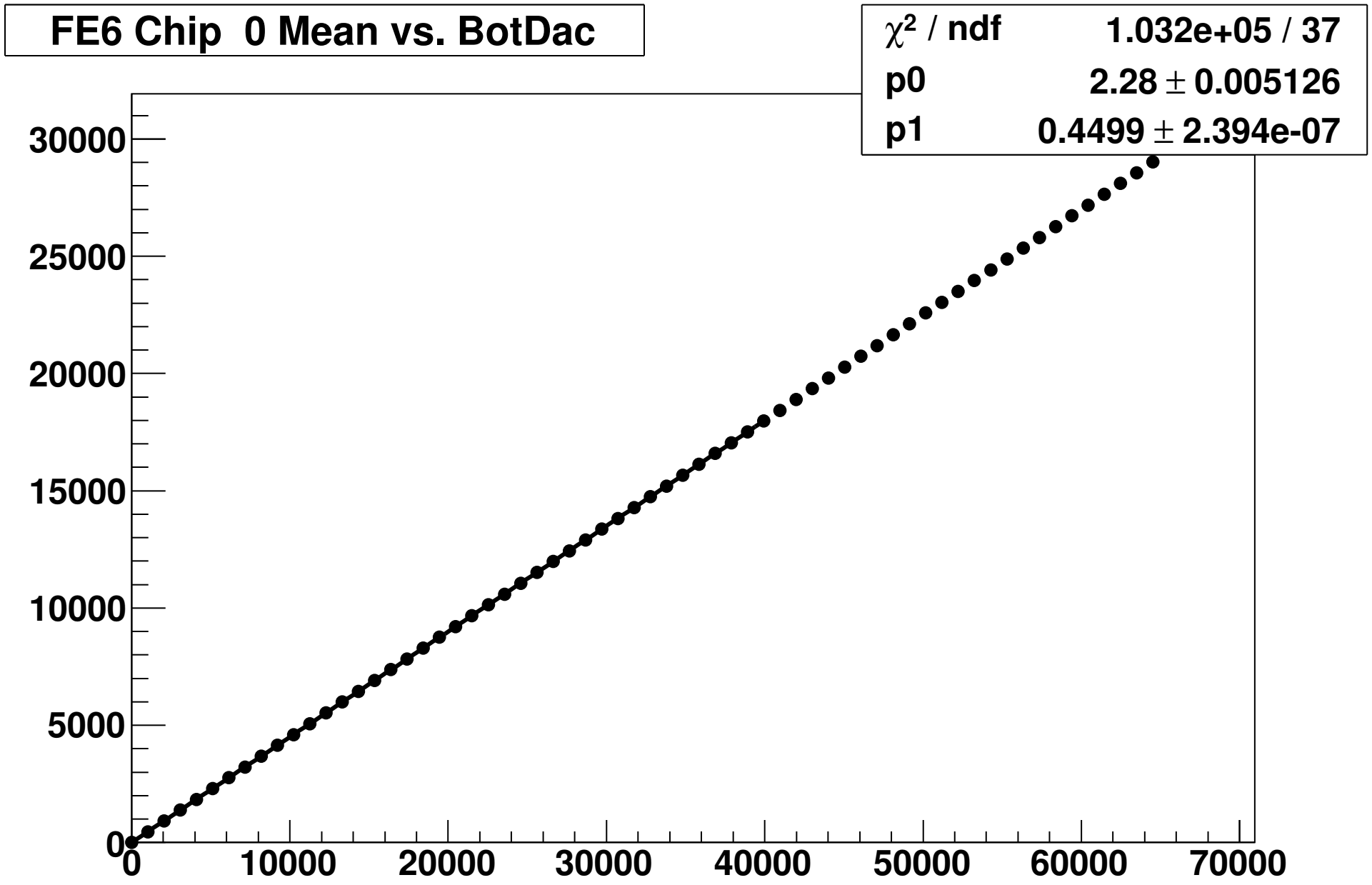
FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.032e+05 / 37
p0 2.28 ± 0.005126
p1 0.4499 ± 2.394e-07
30000
25000
20000
15000
10000
5000
0
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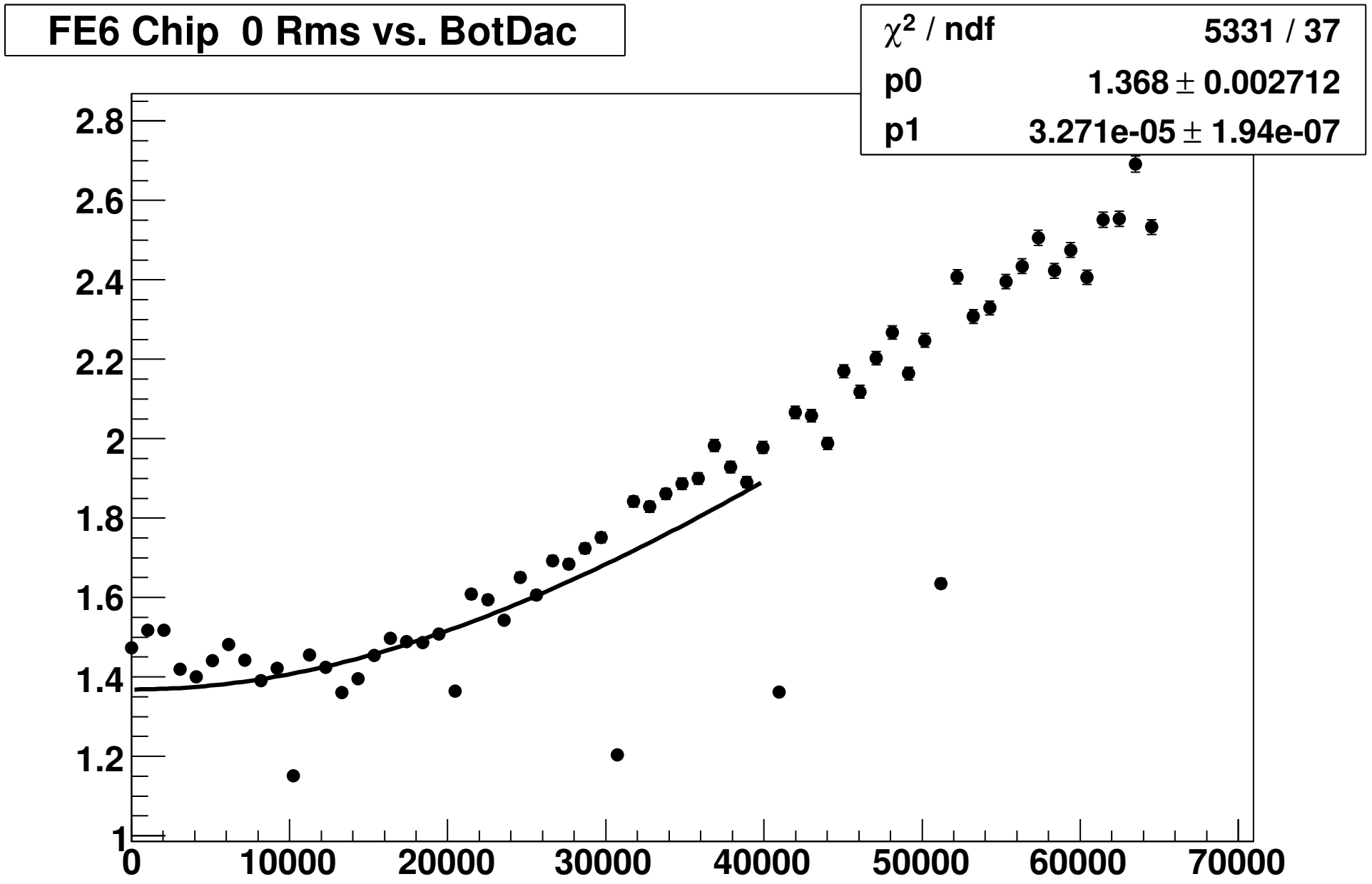
FE6 Chip 0 Rms vs. BotDac
χ² / ndf 5331 / 37
p0 1.368 ± 0.002712
p1 3.271e-05 ± 1.94e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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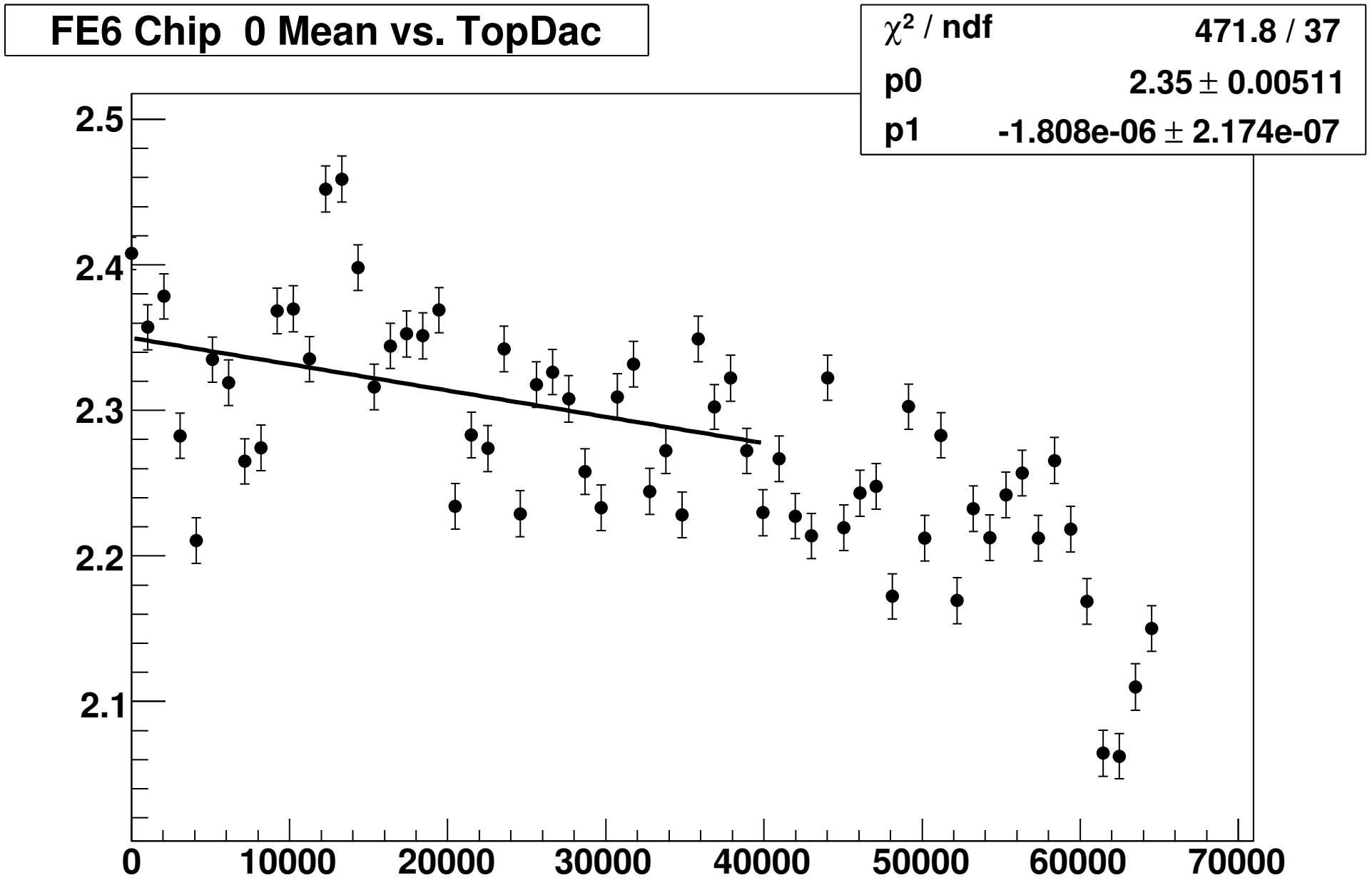
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 471.8 / 37
p0 2.35 ± 0.00511
p1 -1.808e-06 ± 2.174e-07
2.5
2.4
2.3
2.2
2.1
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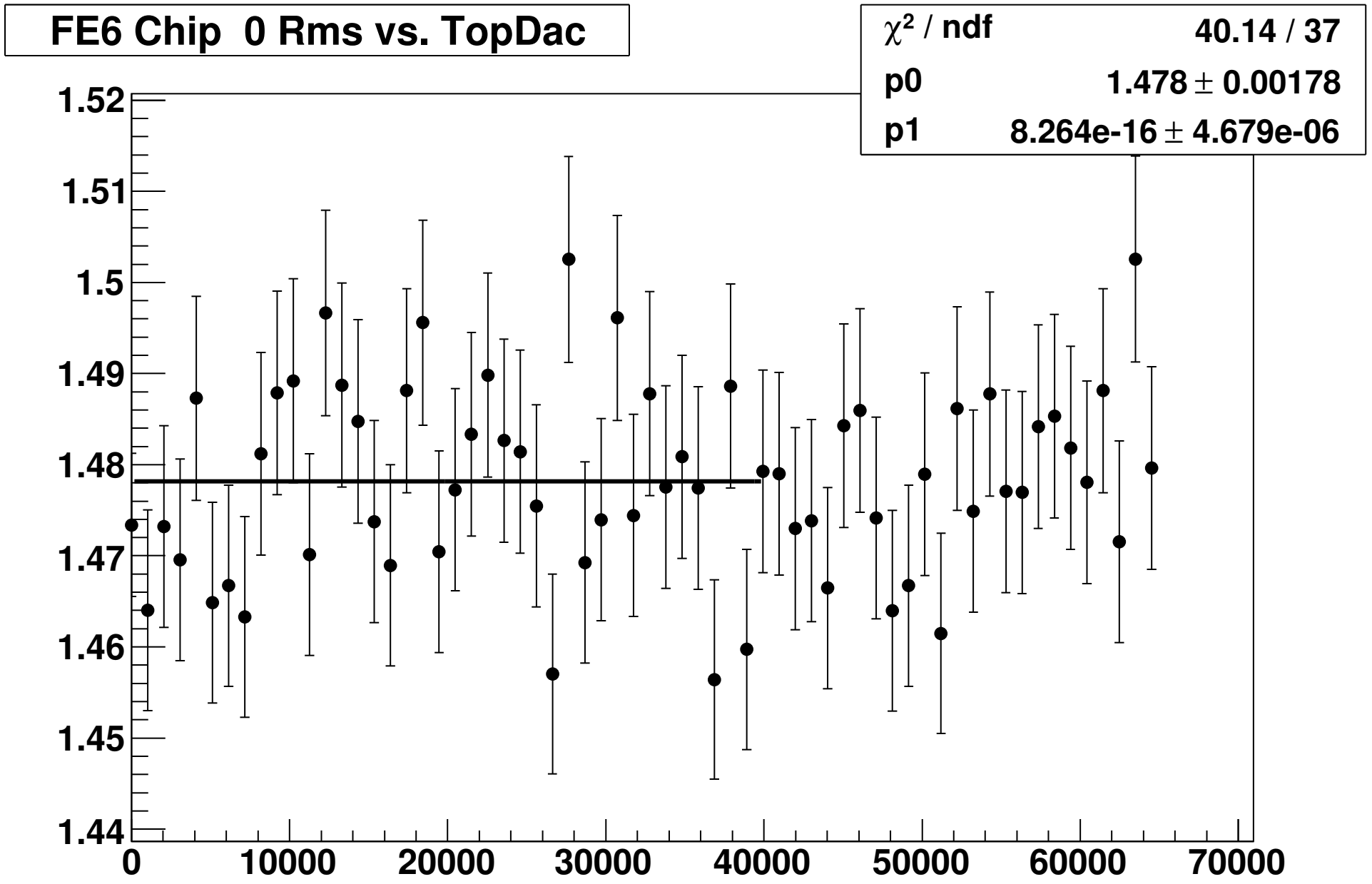
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 40.14 / 37
p0 1.478 ± 0.00178
p1 8.264e-16 ± 4.679e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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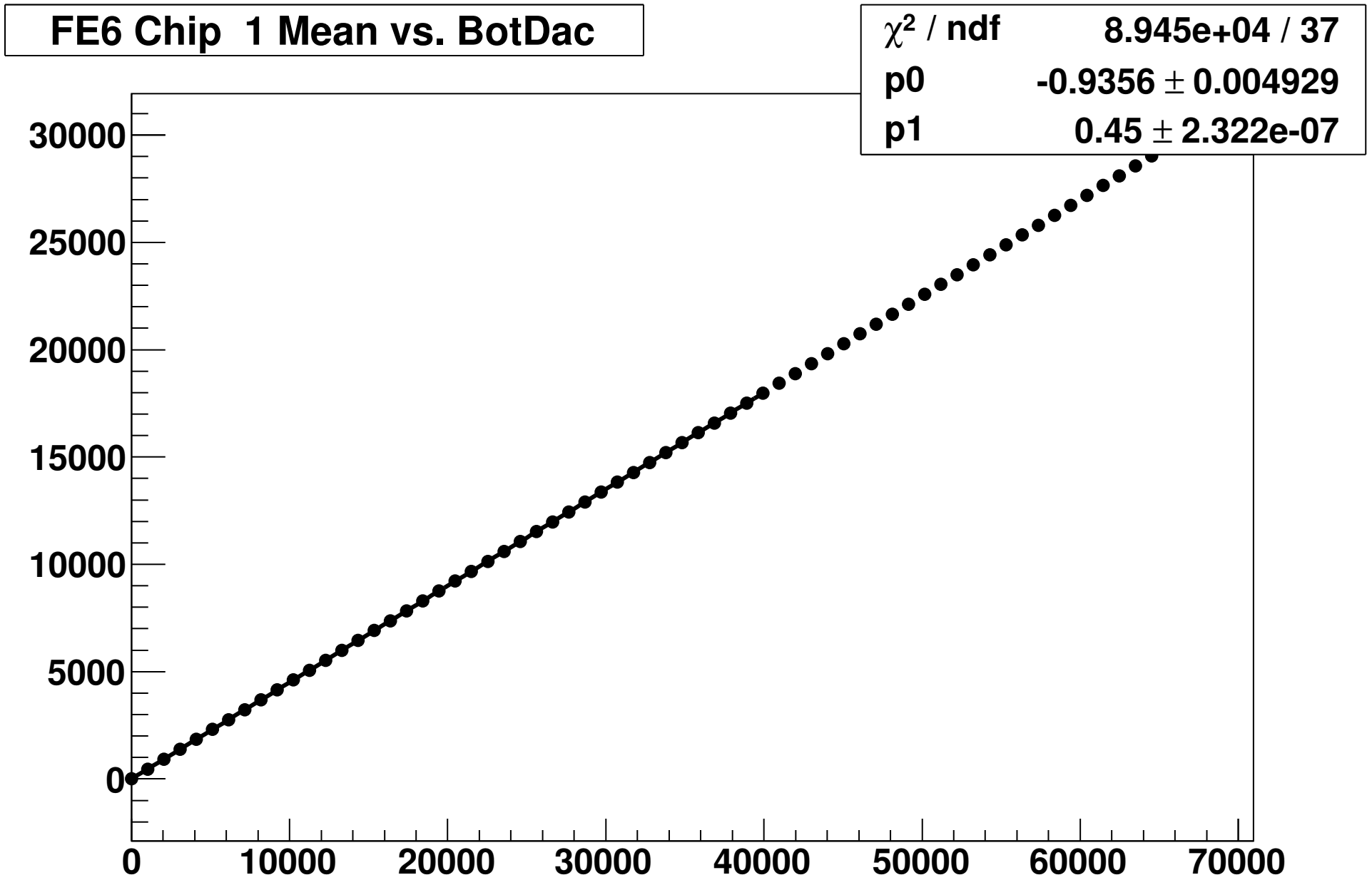
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 8.945e+04 / 37
p0 -0.9356 ± 0.004929
p1 0.45 ± 2.322e-07
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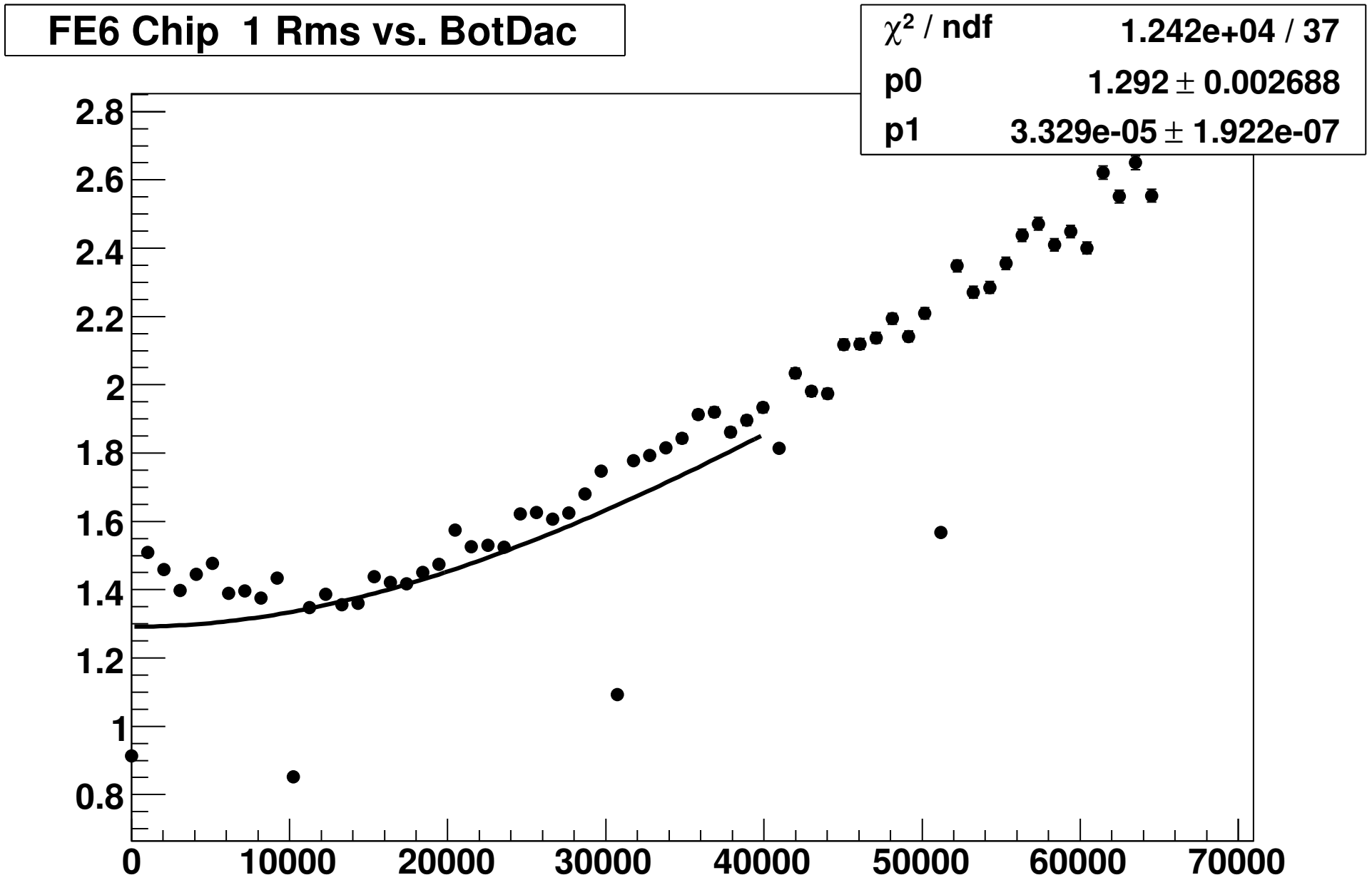
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1.242e+04 / 37
p0 1.292 ± 0.002688
p1 3.329e-05 ± 1.922e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
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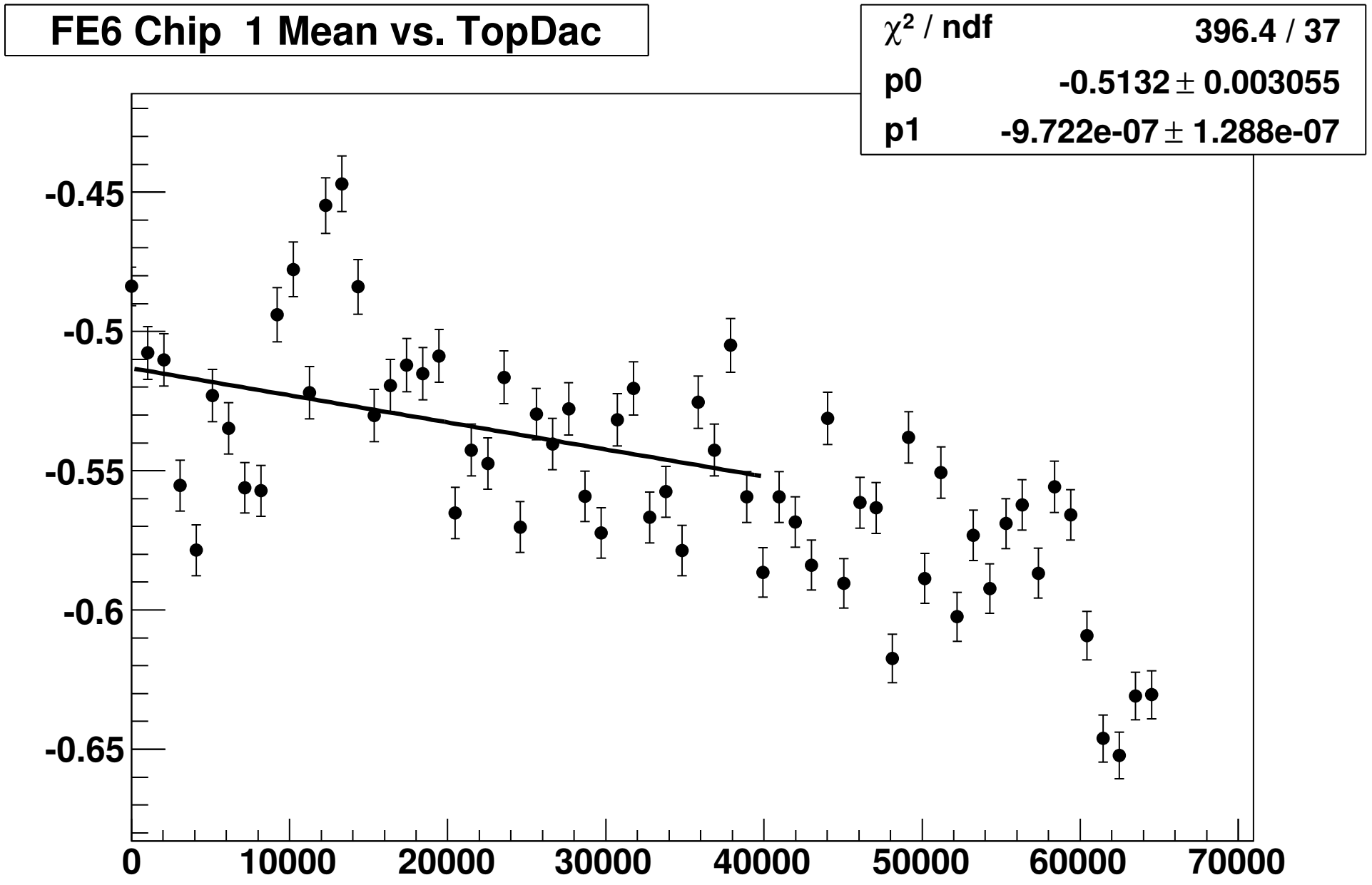
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 396.4 / 37
p0 -0.5132 ± 0.003055
p1 -9.722e-07 ± 1.288e-07
-0.45
-0.5
-0.55
-0.6
-0.65
0
10000
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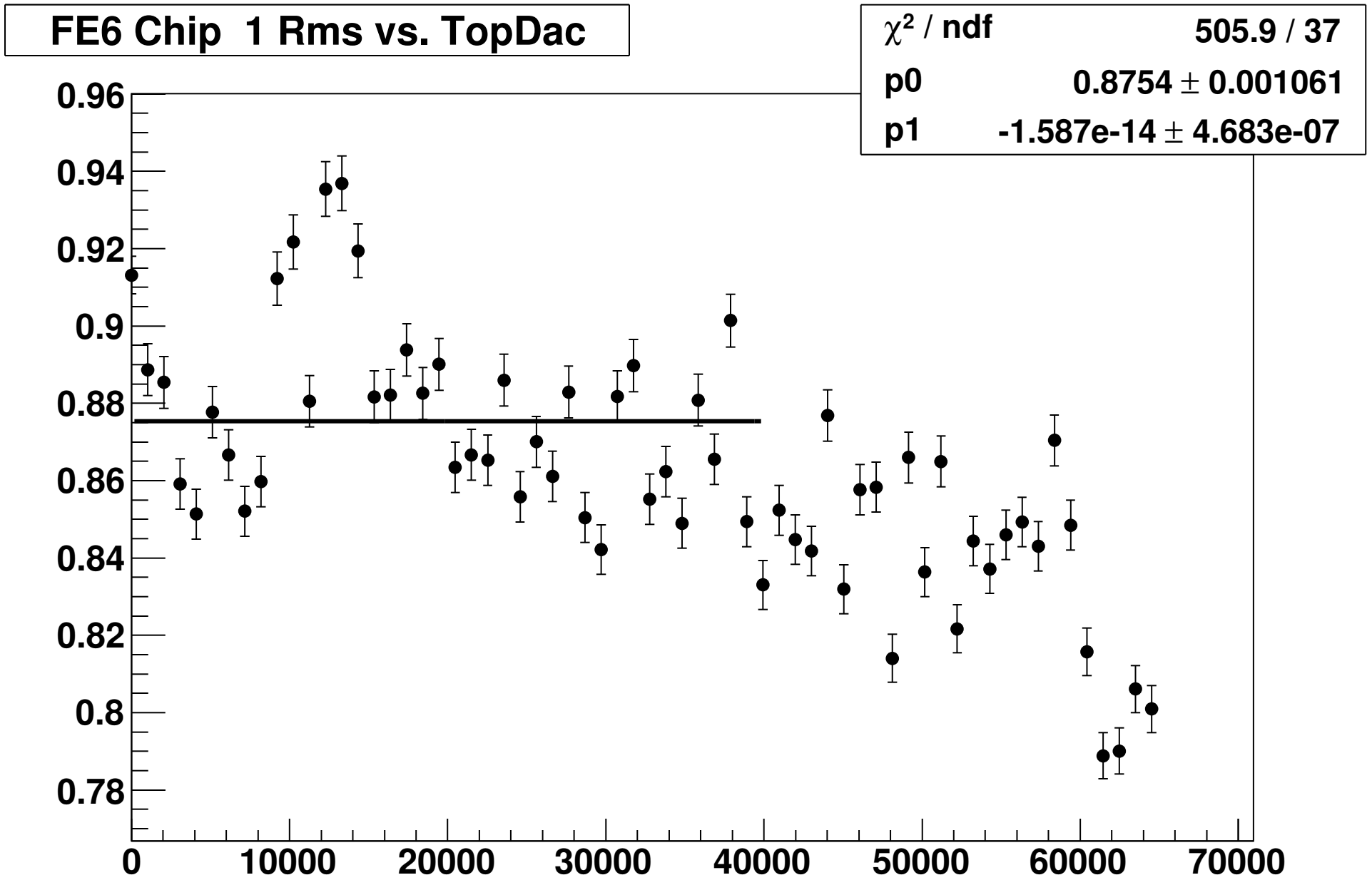
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 505.9 / 37
p0 0.8754 ± 0.001061
p1 -1.587e-14 ± 4.683e-07
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78
0
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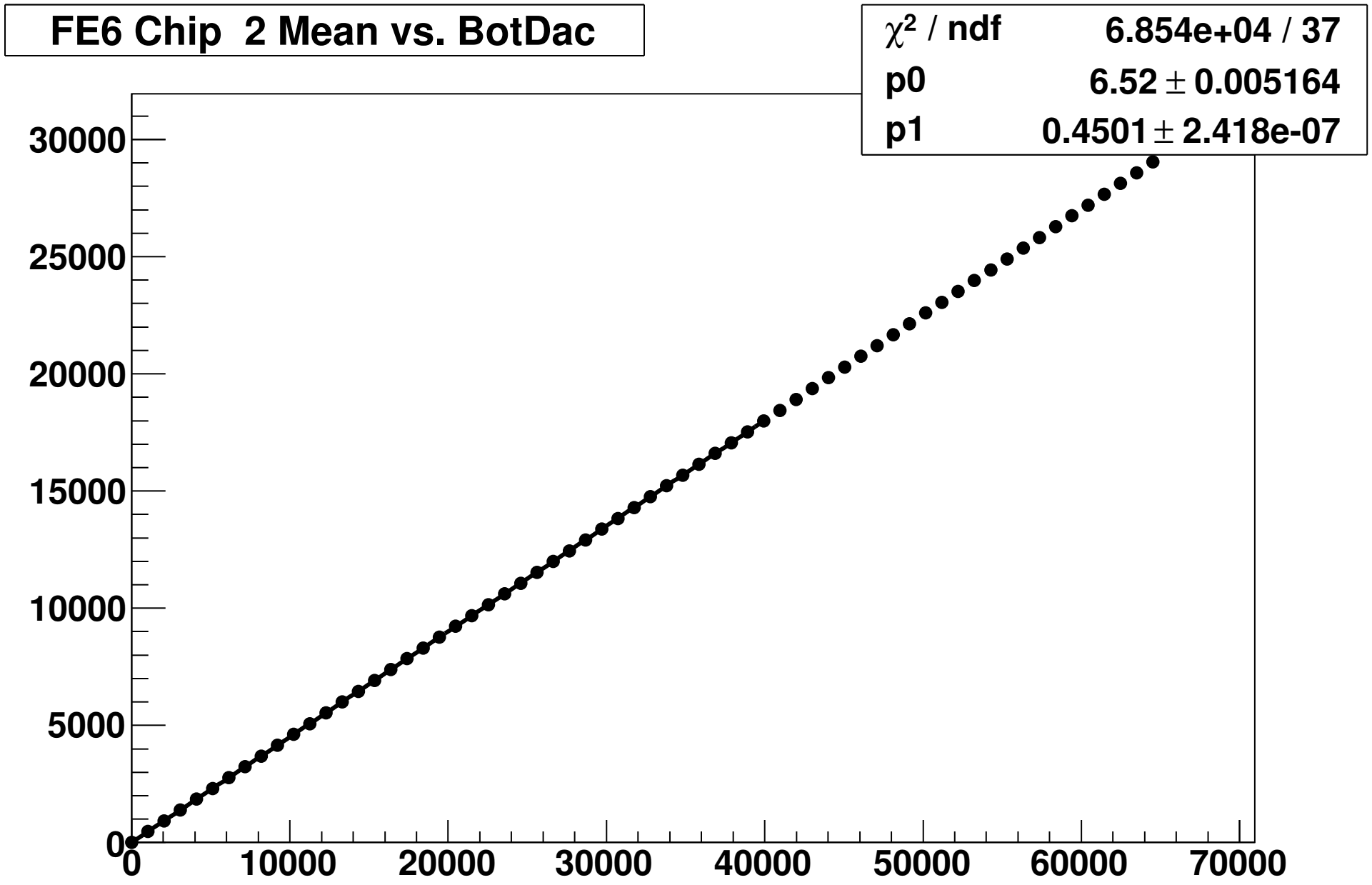
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 6.854e+04 / 37
p0 6.52 ± 0.005164
p1 0.4501 ± 2.418e-07
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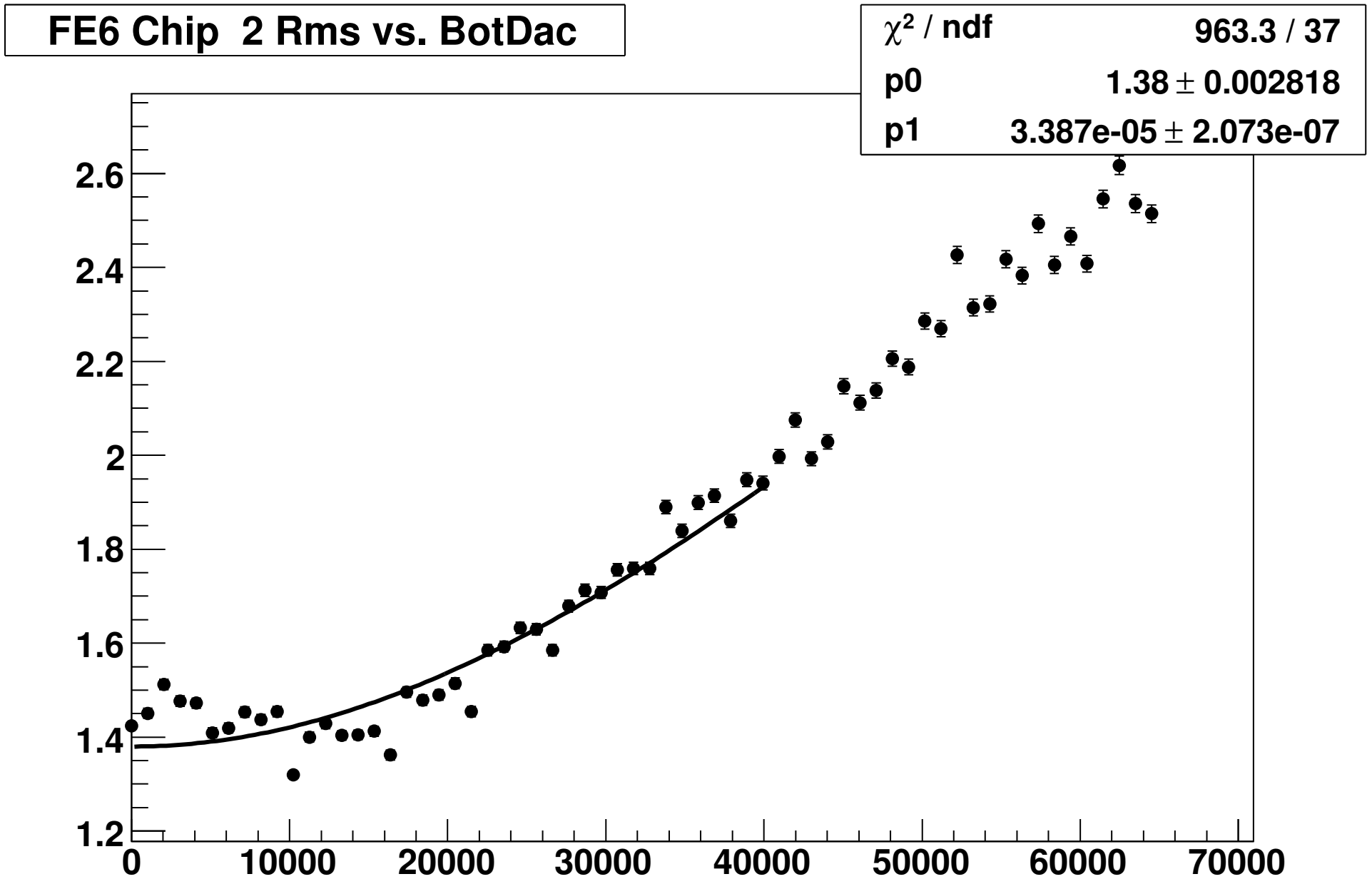
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 963.3 / 37
p0 1.38 ± 0.002818
p1 3.387e-05 ± 2.073e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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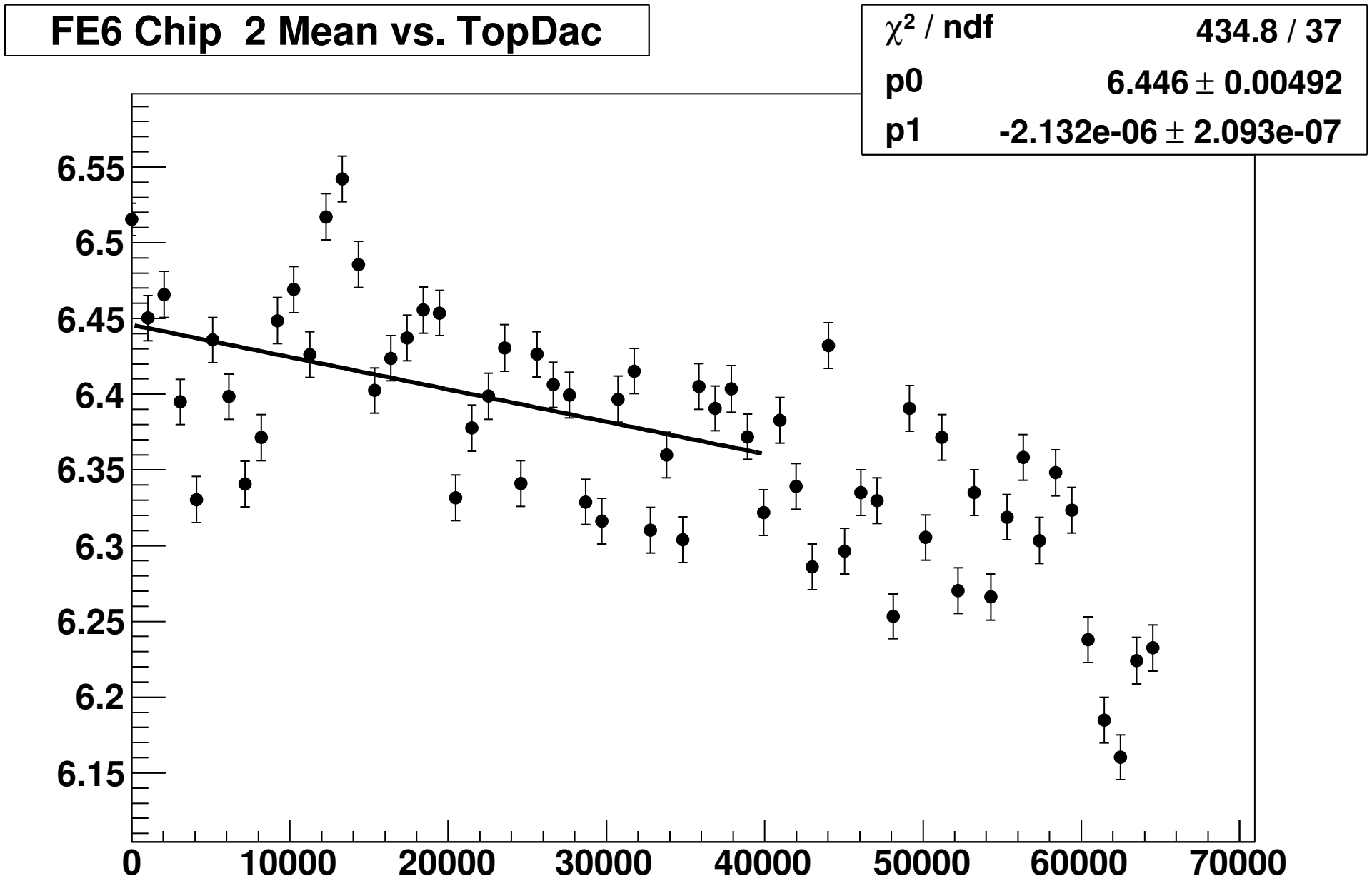
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 434.8 / 37
p0 6.446 ± 0.00492
p1 -2.132e-06 ± 2.093e-07
6.55
6.5
6.45
6.4
6.35
6.3
6.25
6.2
6.15
0
10000
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60000
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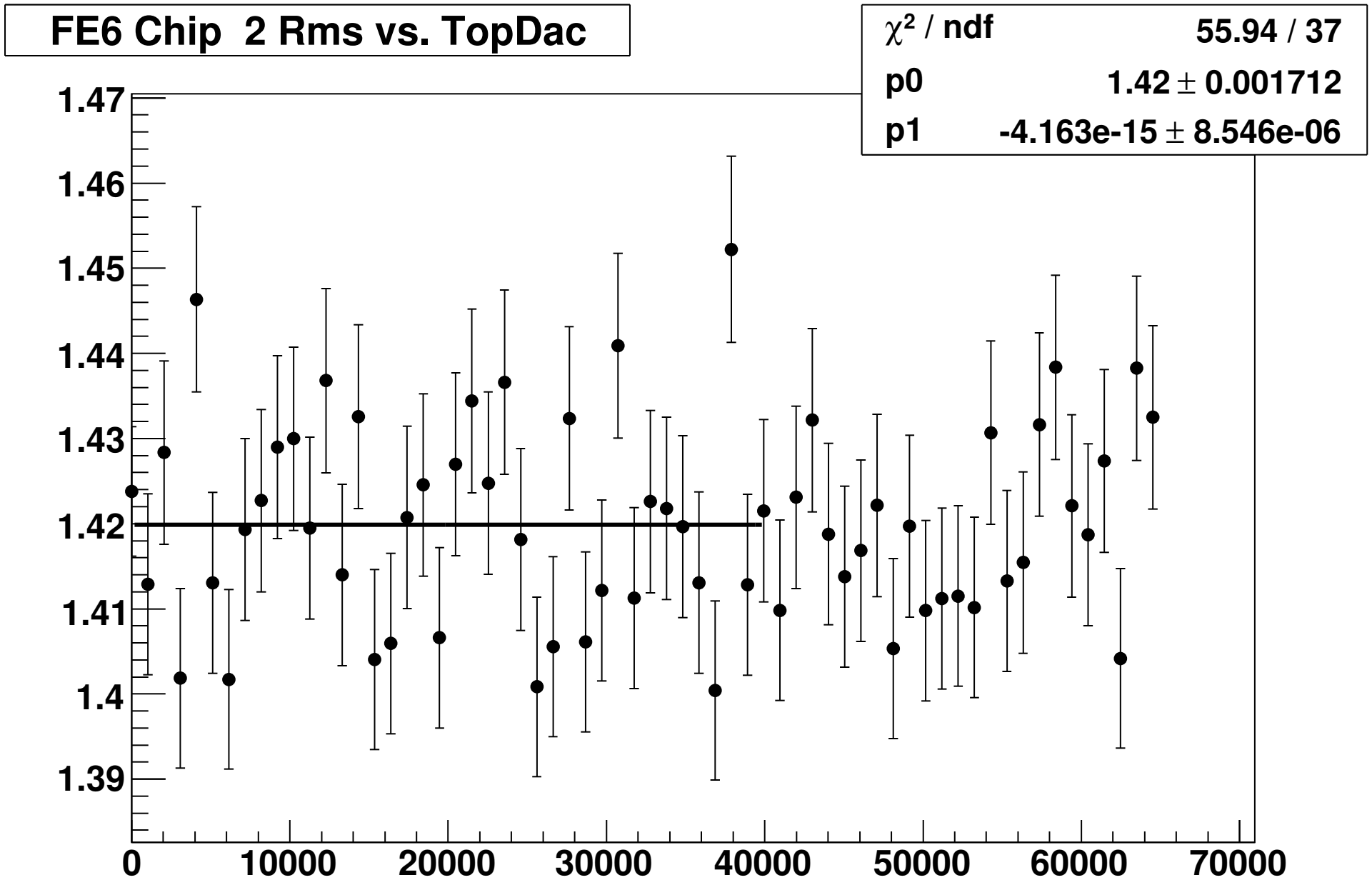
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 55.94 / 37
p0 1.42 ± 0.001712
p1 -4.163e-15 ± 8.546e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
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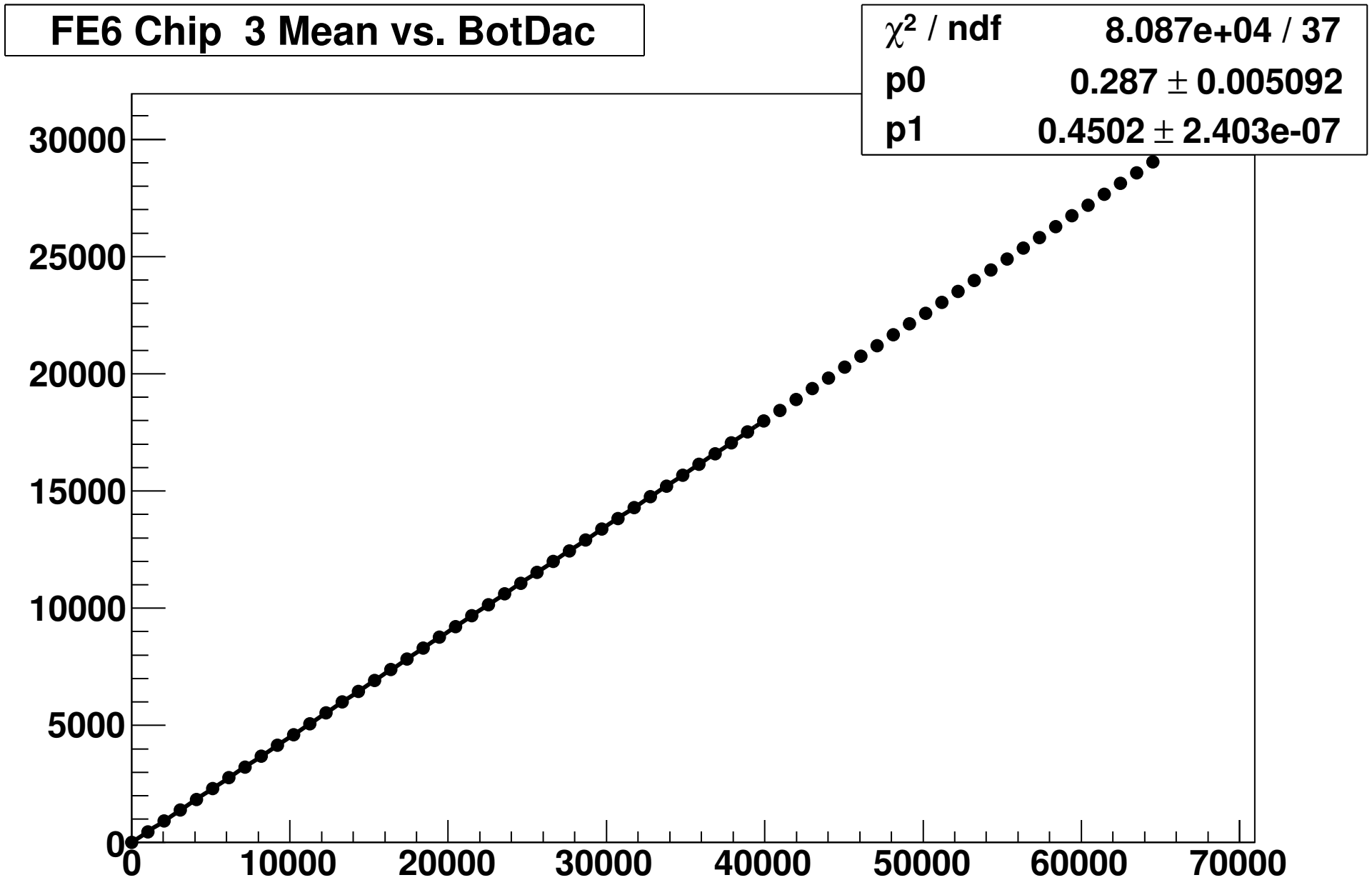
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 8.087e+04 / 37
p0 0.287 ± 0.005092
p1 0.4502 ± 2.403e-07
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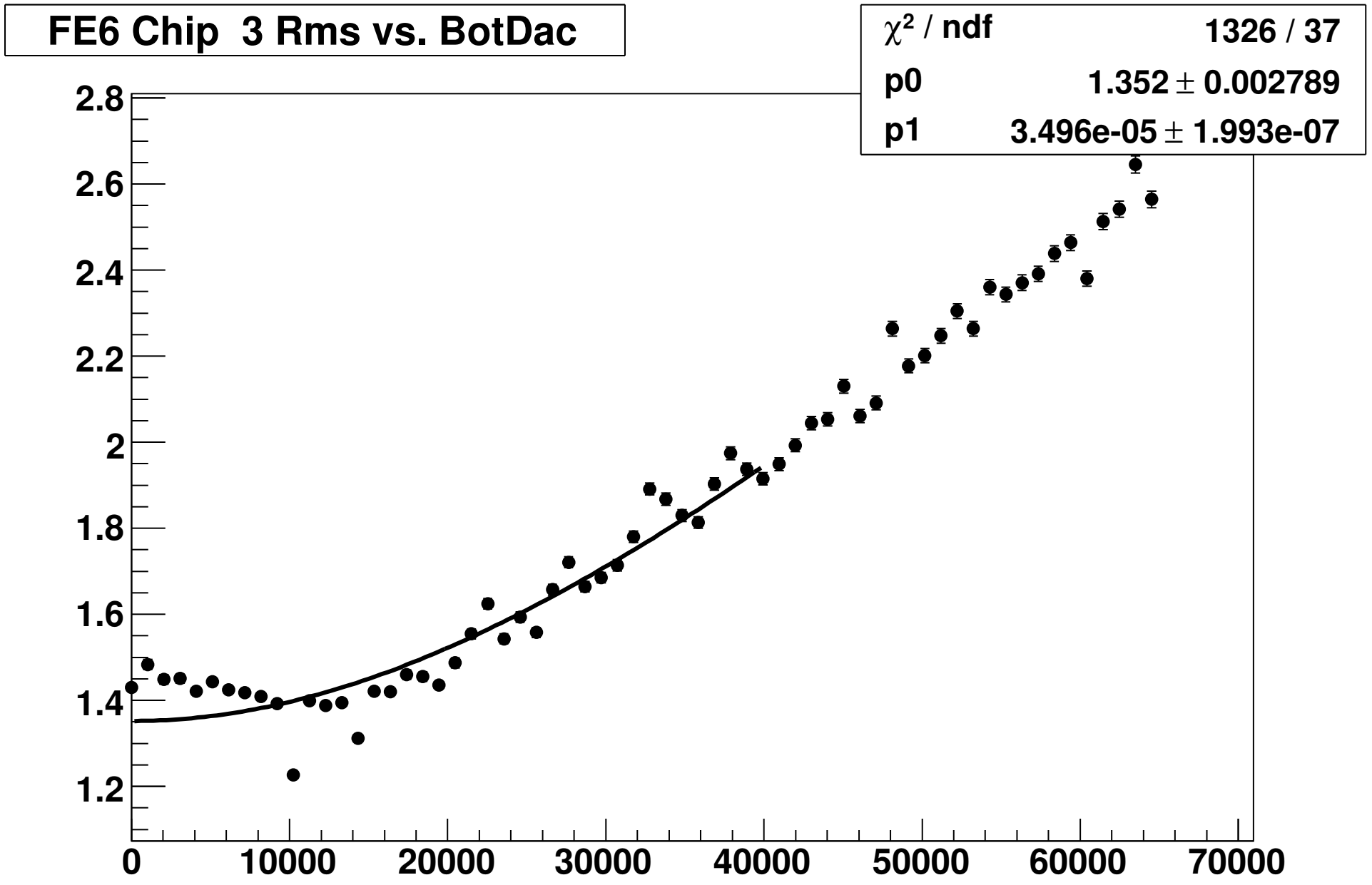
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1326 / 37
p0 1.352 ± 0.002789
p1 3.496e-05 ± 1.993e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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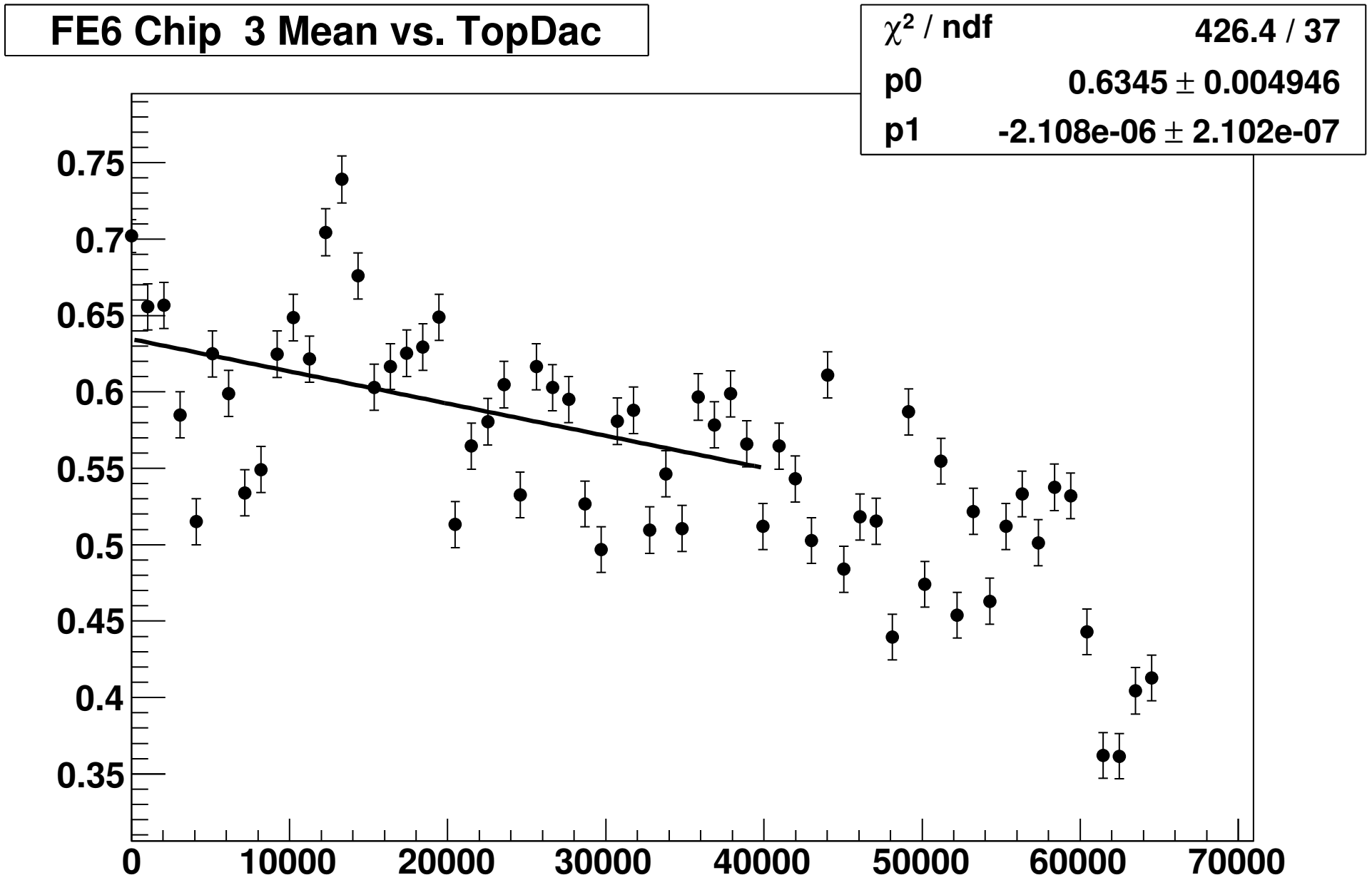
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 426.4 / 37
p0 0.6345 ± 0.004946
p1 -2.108e-06 ± 2.102e-07
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0
10000
20000
30000
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60000
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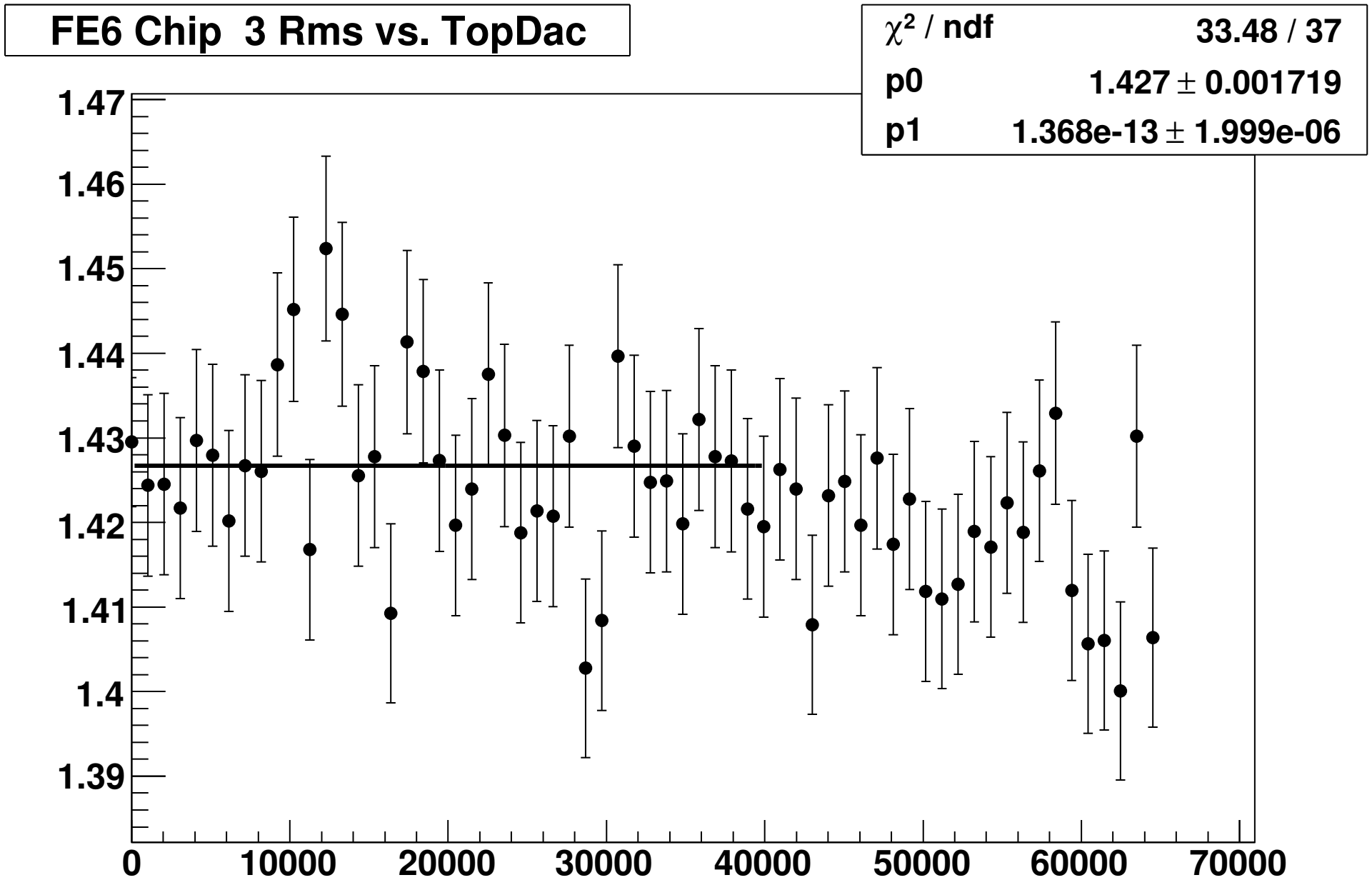
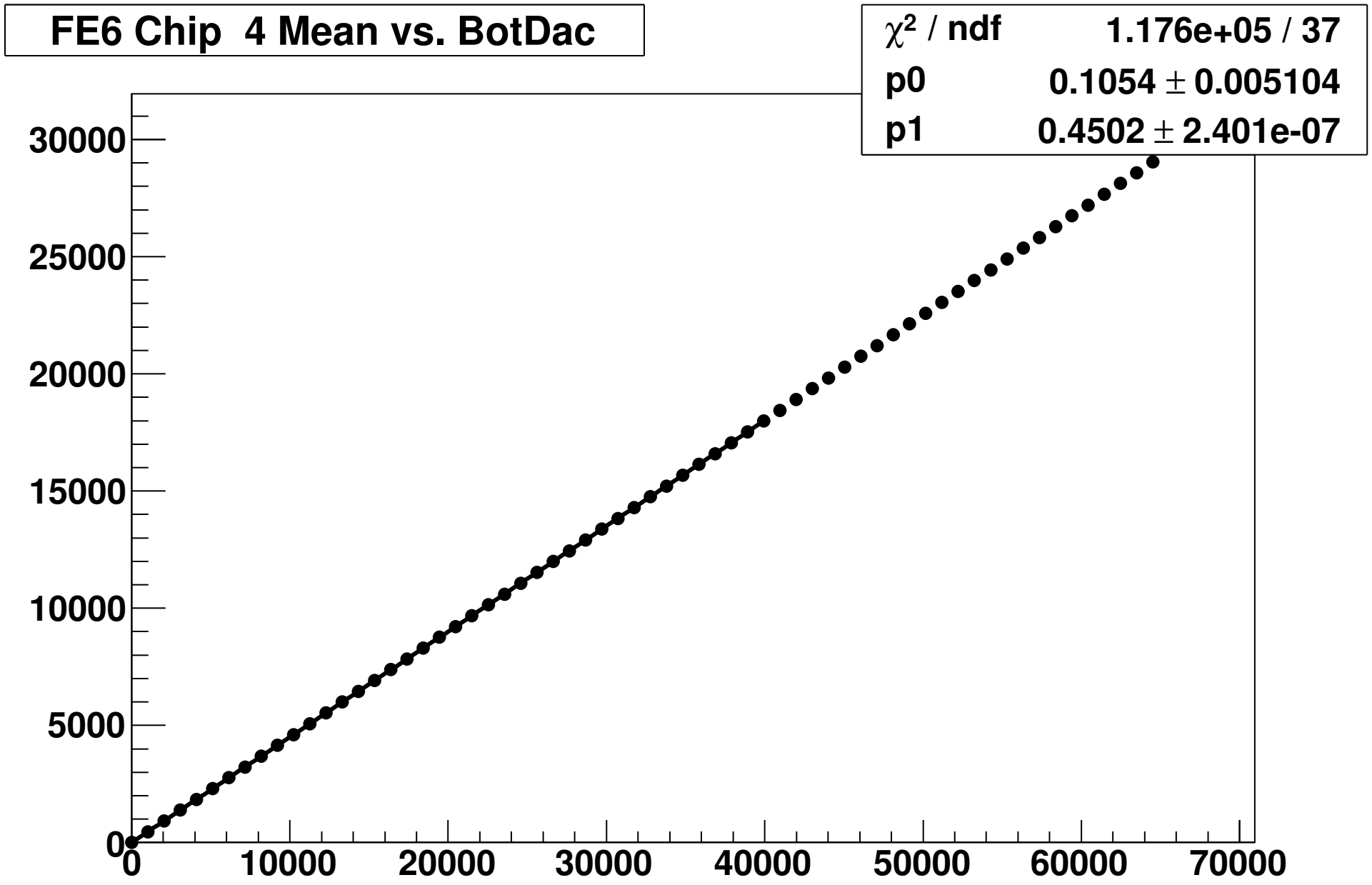
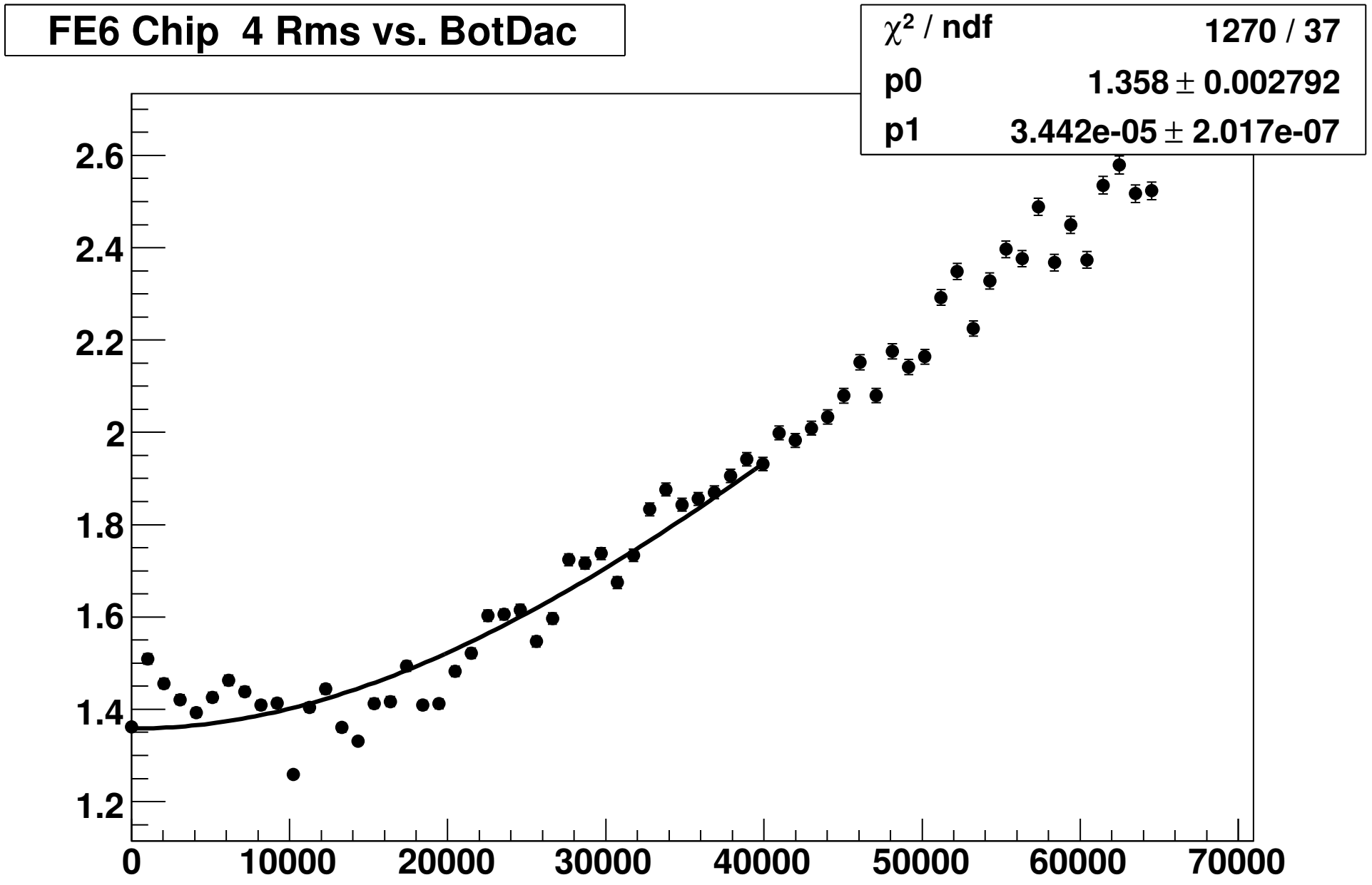

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 33.48 / 37
p0 1.427 ± 0.001719
p1 1.368e-13 ± 1.999e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.176e+05 / 37
p0 0.1054 ± 0.005104
p1 0.4502 ± 2.401e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1270 / 37
p0 1.358 ± 0.002792
p1 3.442e-05 ± 2.017e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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30000
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60000
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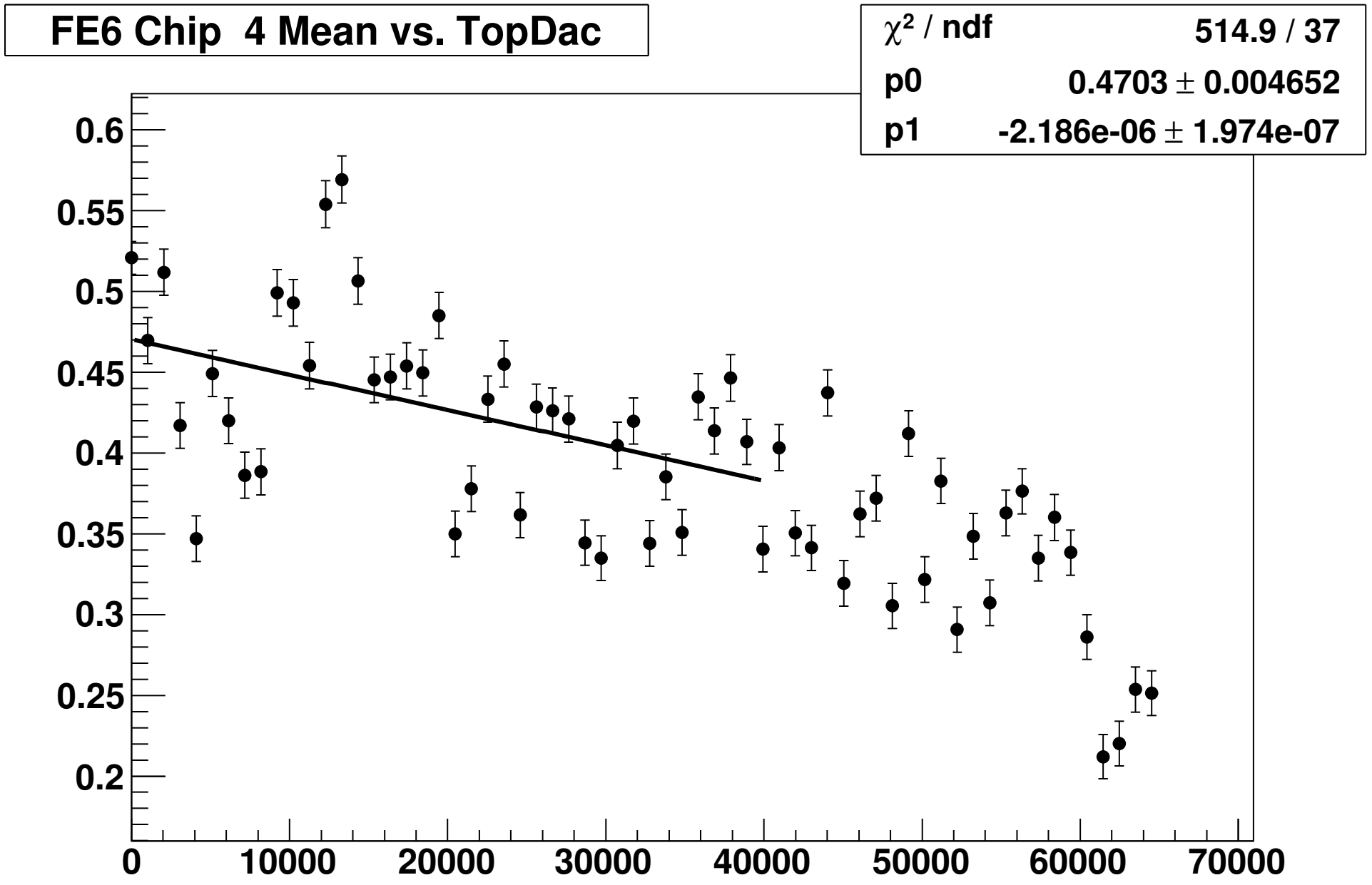
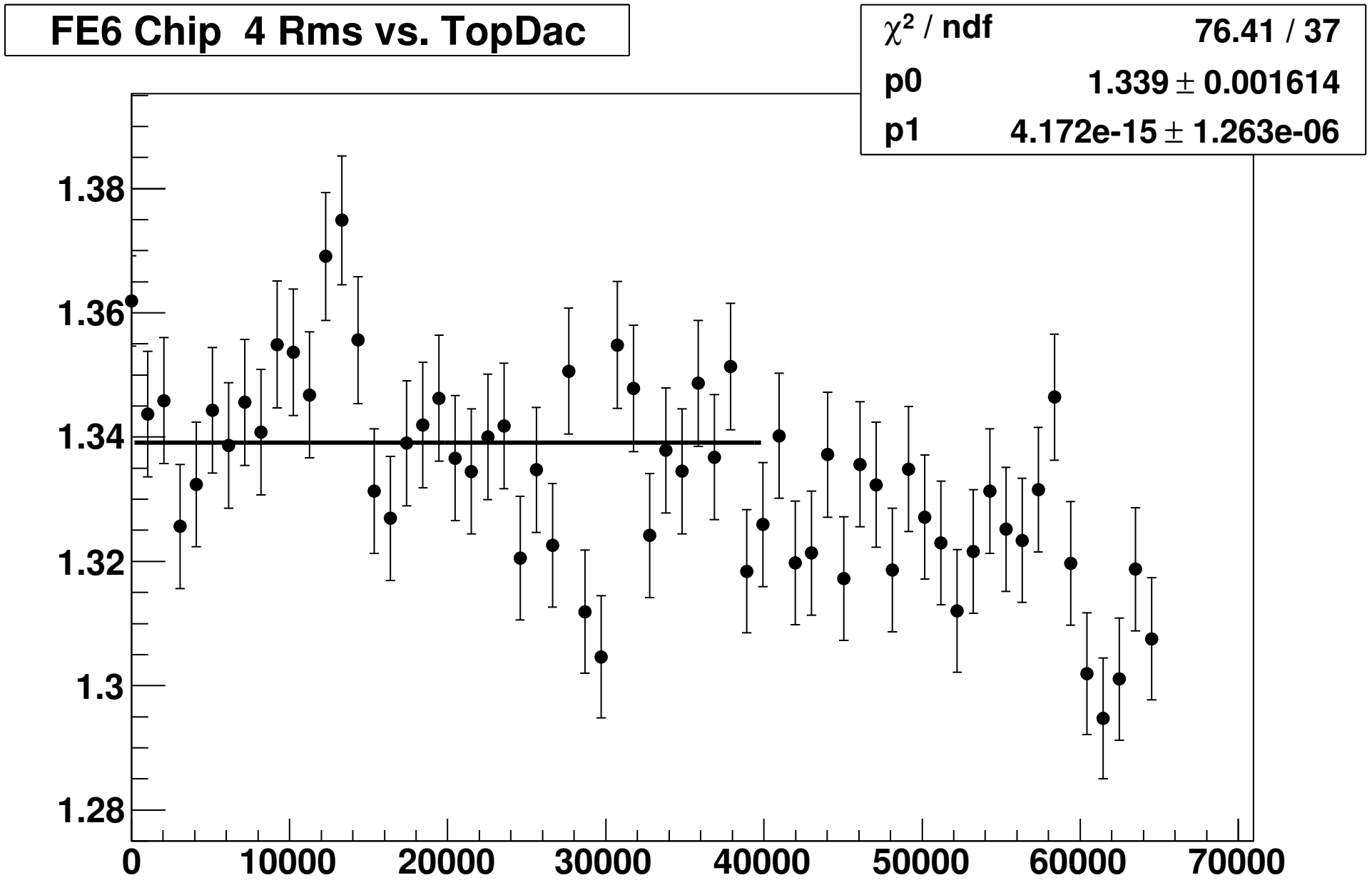

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 514.9 / 37
p0 0.4703 ± 0.004652
p1 -2.186e-06 ± 1.974e-07
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 76.41 / 37
p0 1.339 ± 0.001614
p1 4.172e-15 ± 1.263e-06
1.38
1.36
1.34
1.32
1.3
1.28
0
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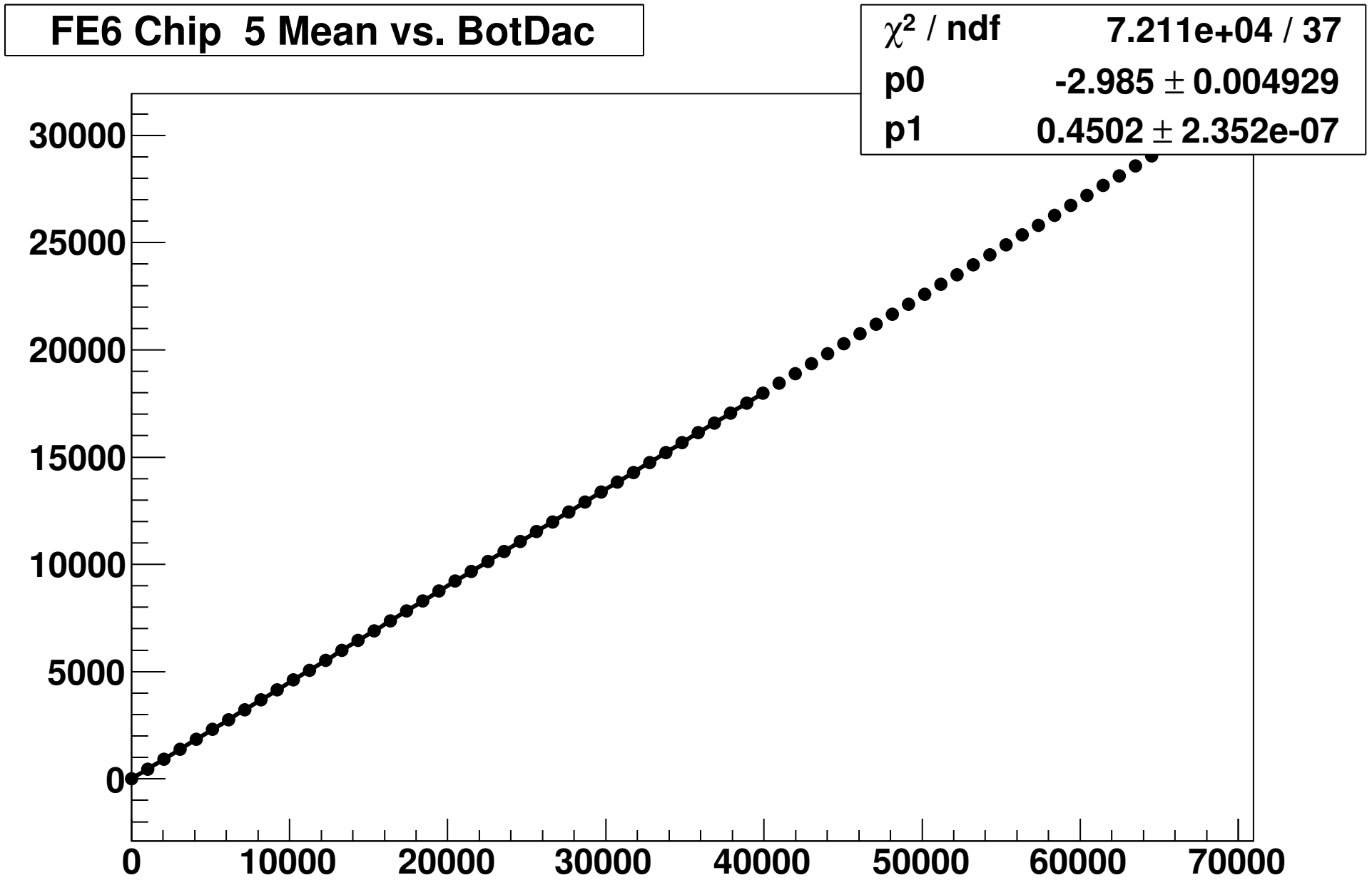
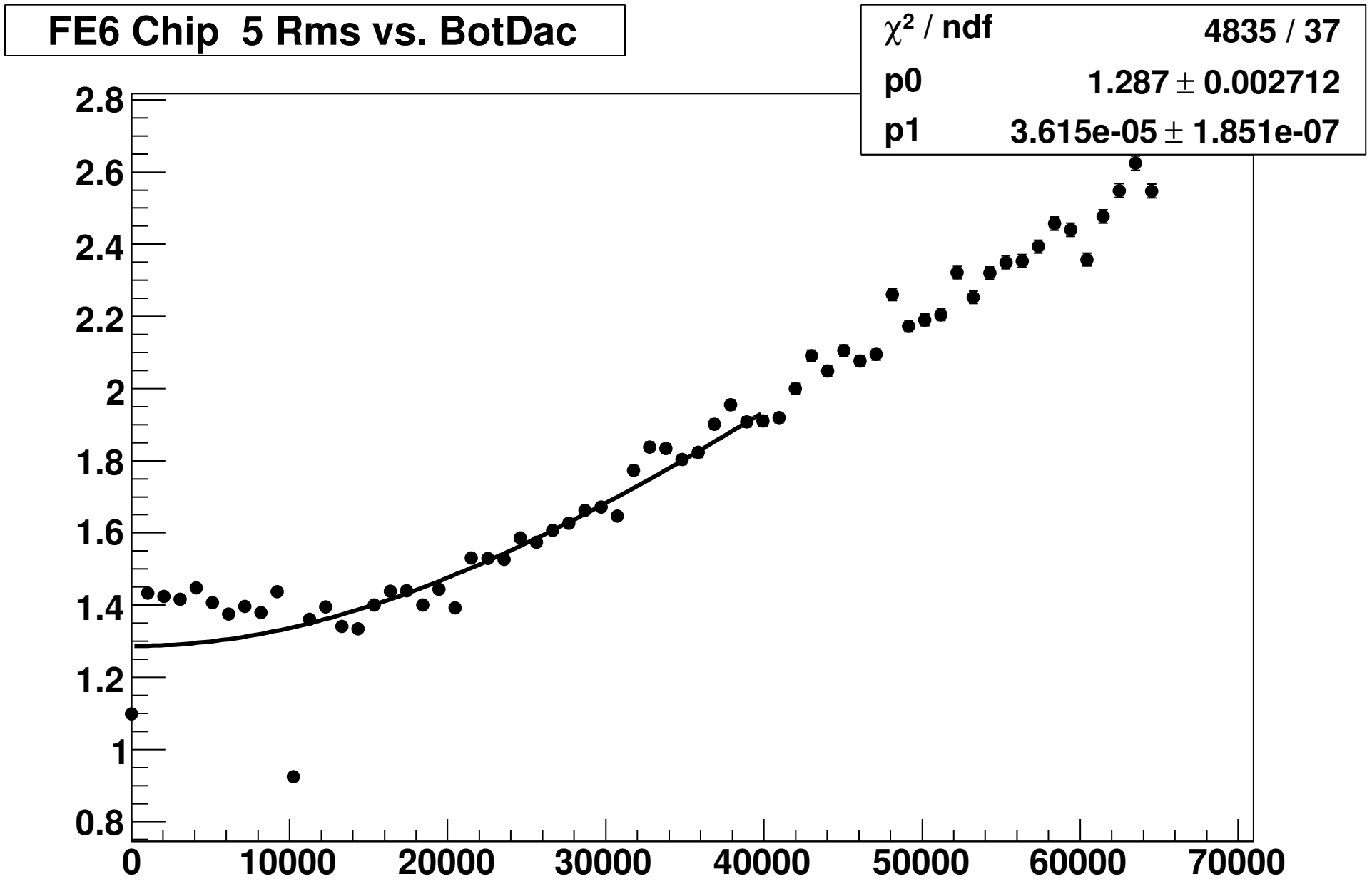

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 7.211e+04 / 37
p0 -2.985 ± 0.004929
p1 0.4502 ± 2.352e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 4835 / 37
p0 1.287 ± 0.002712
p1 3.615e-05 ± 1.851e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
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10000
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30000
40000
50000
60000
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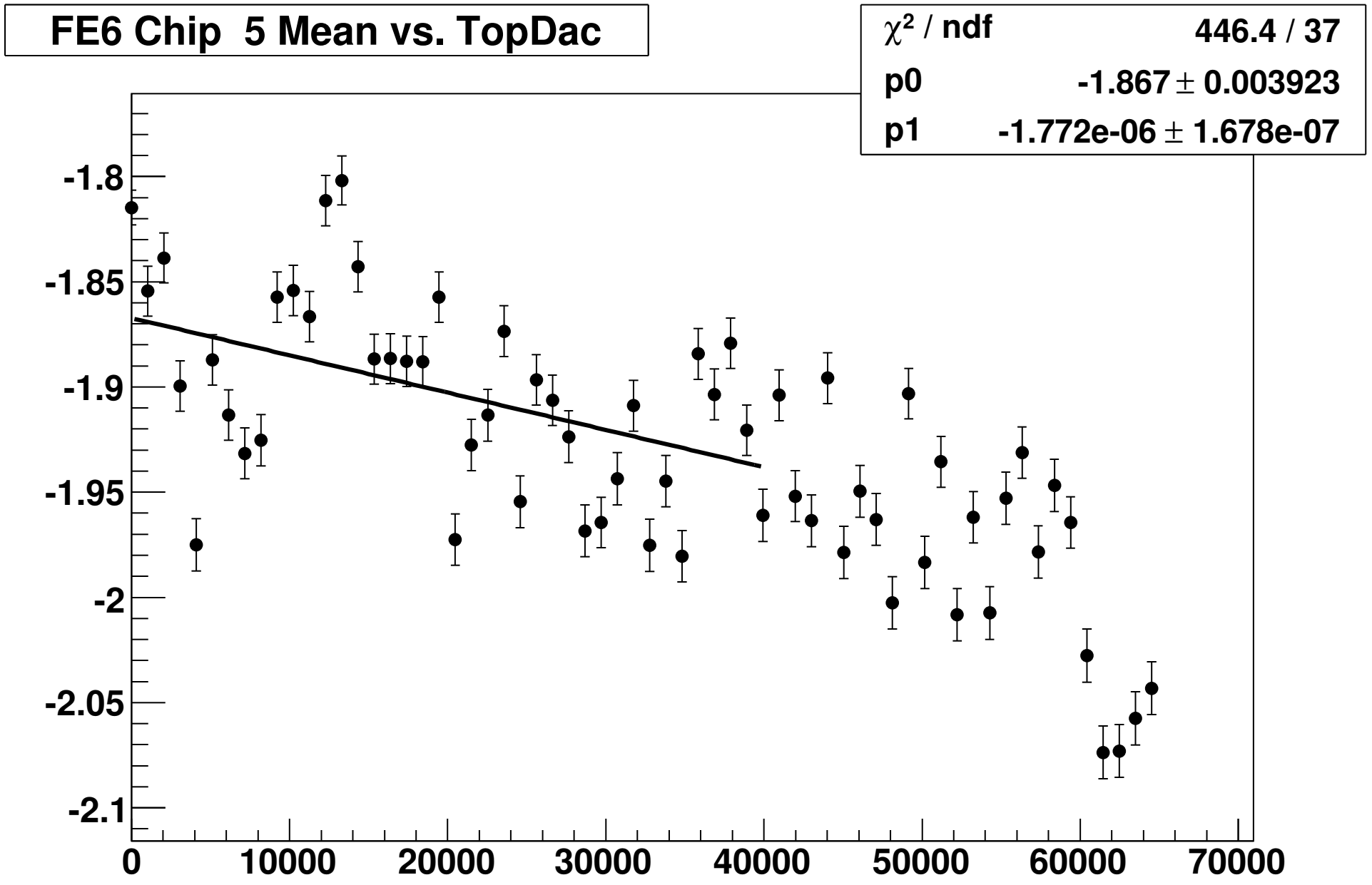
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 446.4 / 37
p0 -1.867 ± 0.003923
p1 -1.772e-06 ± 1.678e-07
-1.8
-1.85
-1.9
-1.95
-2
-2.05
-2.1
0
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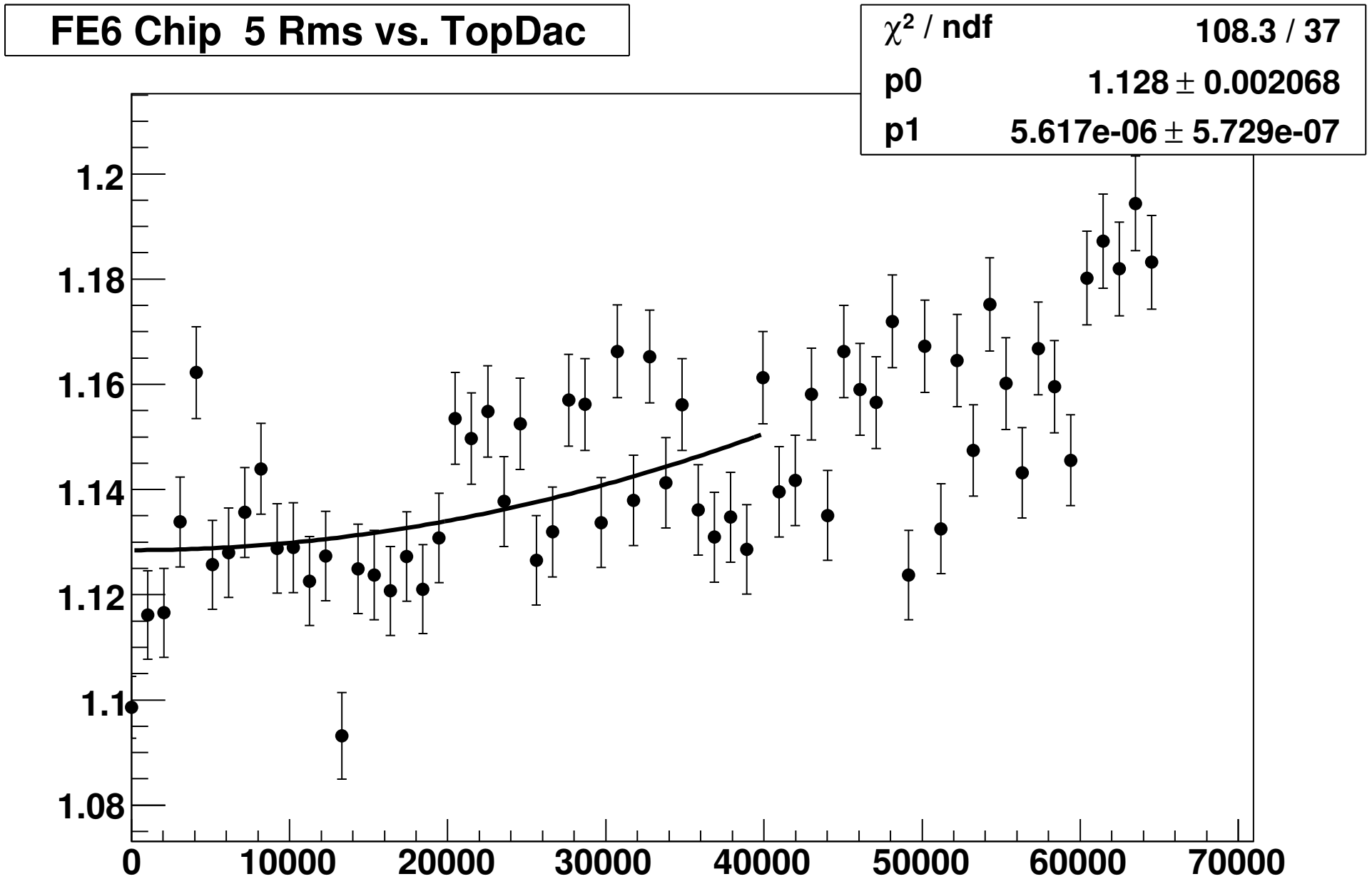
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 108.3 / 37
p0 1.128 ± 0.002068
p1 5.617e-06 ± 5.729e-07
1.2
1.18
1.16
1.14
1.12
1.1
1.08
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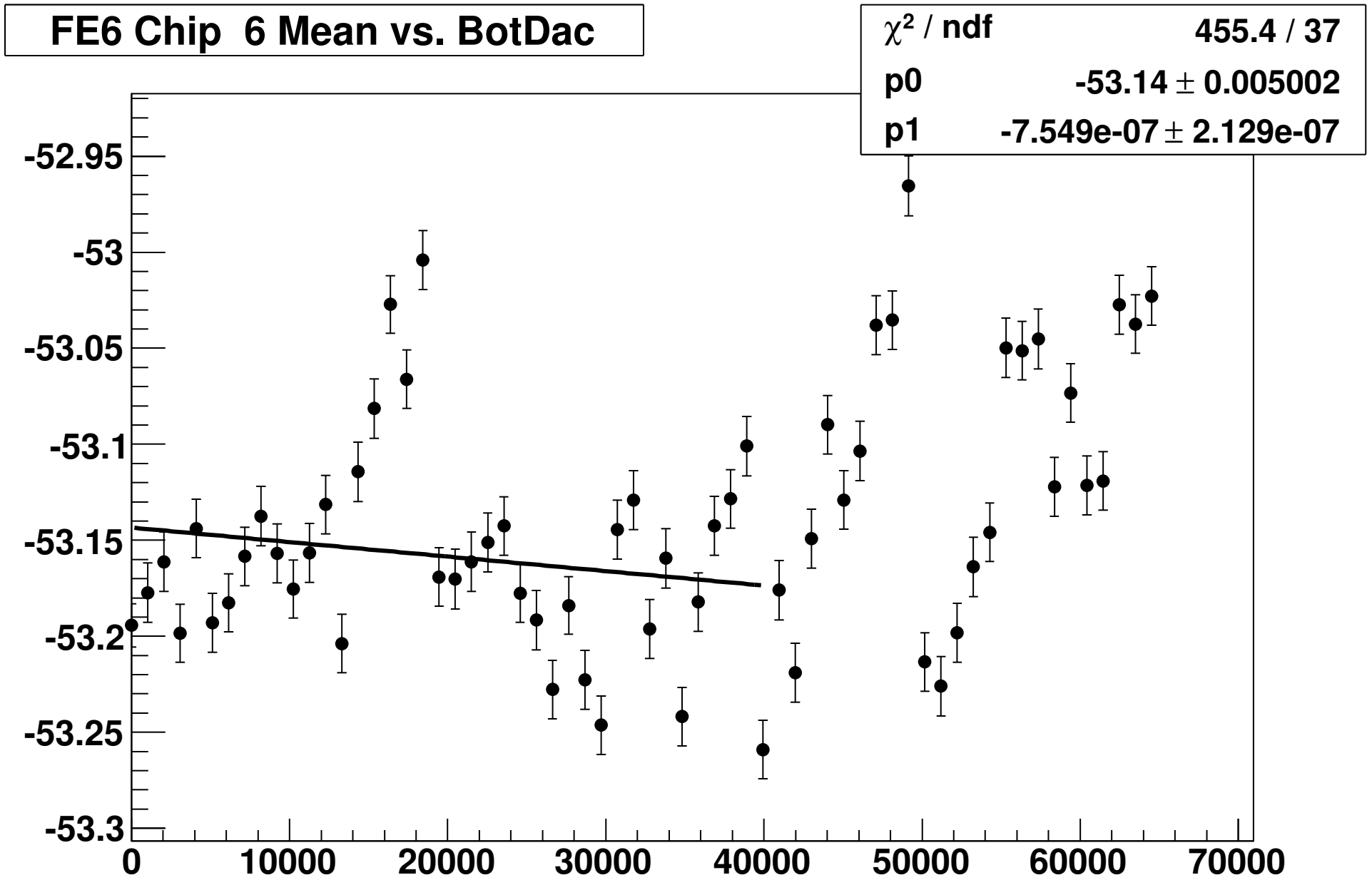
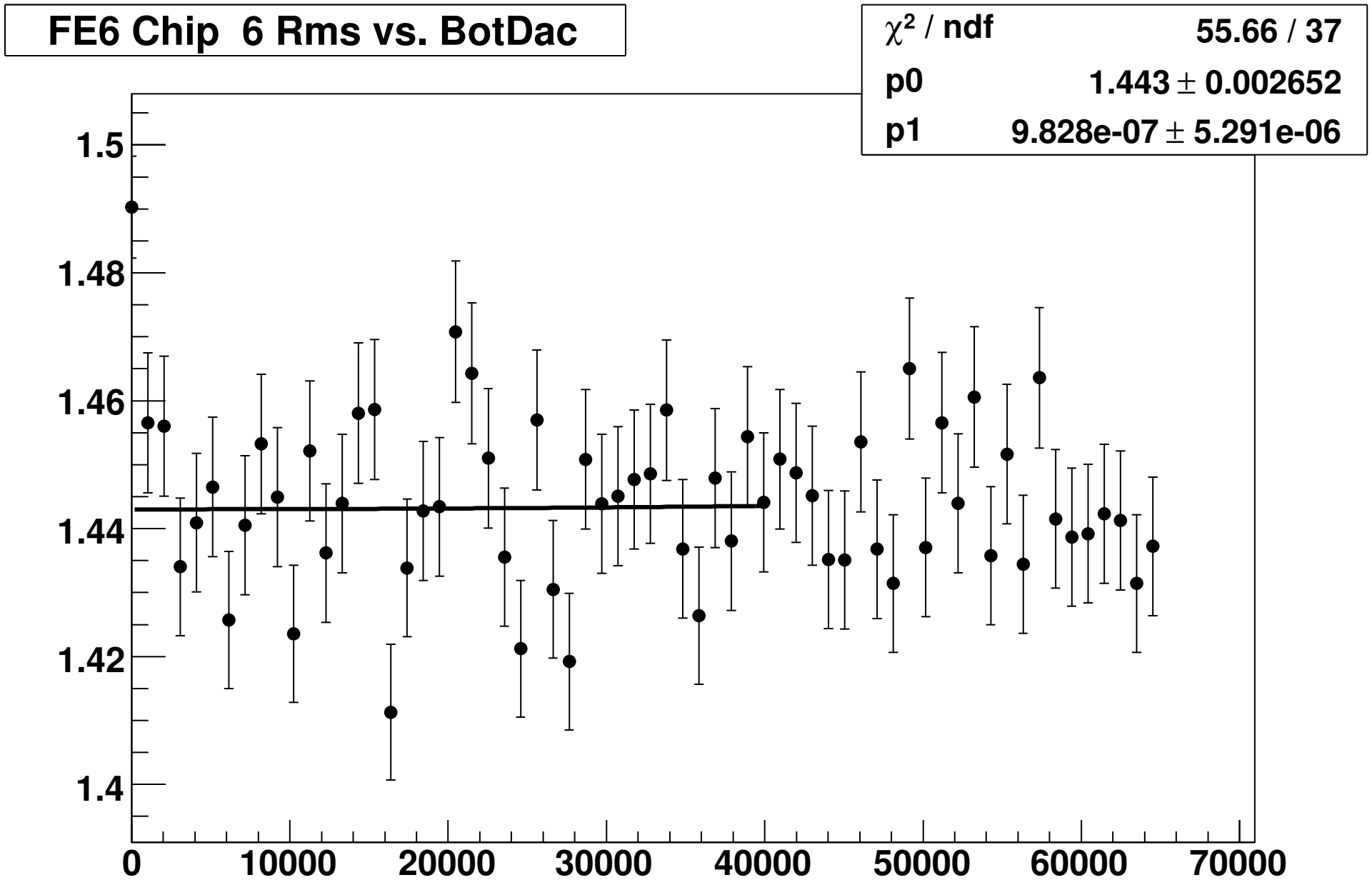

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 455.4 / 37
p0 -53.14 ± 0.005002
p1 -7.549e-07 ± 2.129e-07
-52.95
-53
-53.05
-53.1
-53.15
-53.2
-53.25
-53.3
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 55.66 / 37
p0 1.443 ± 0.002652
p1 9.828e-07 ± 5.291e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
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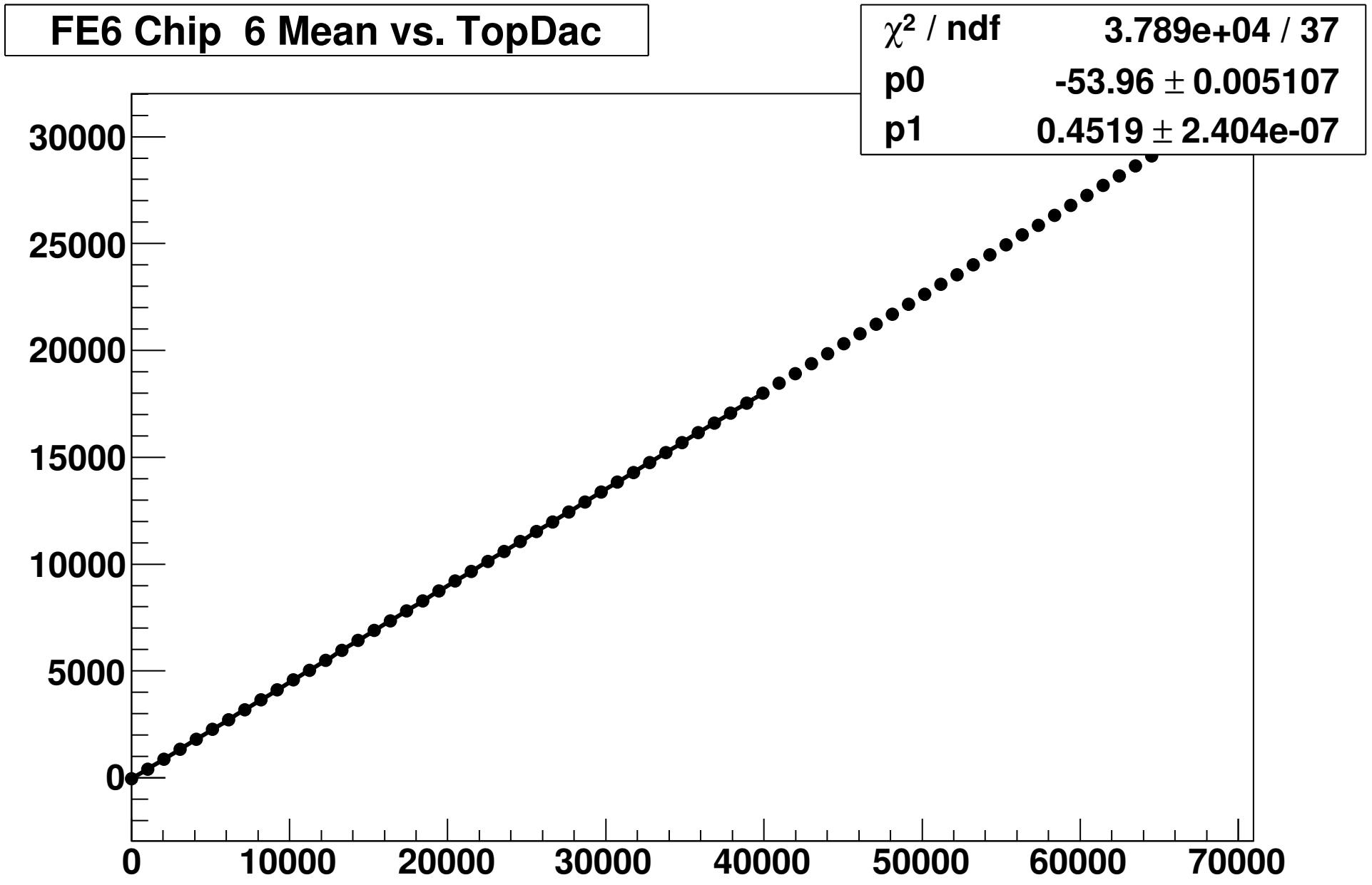
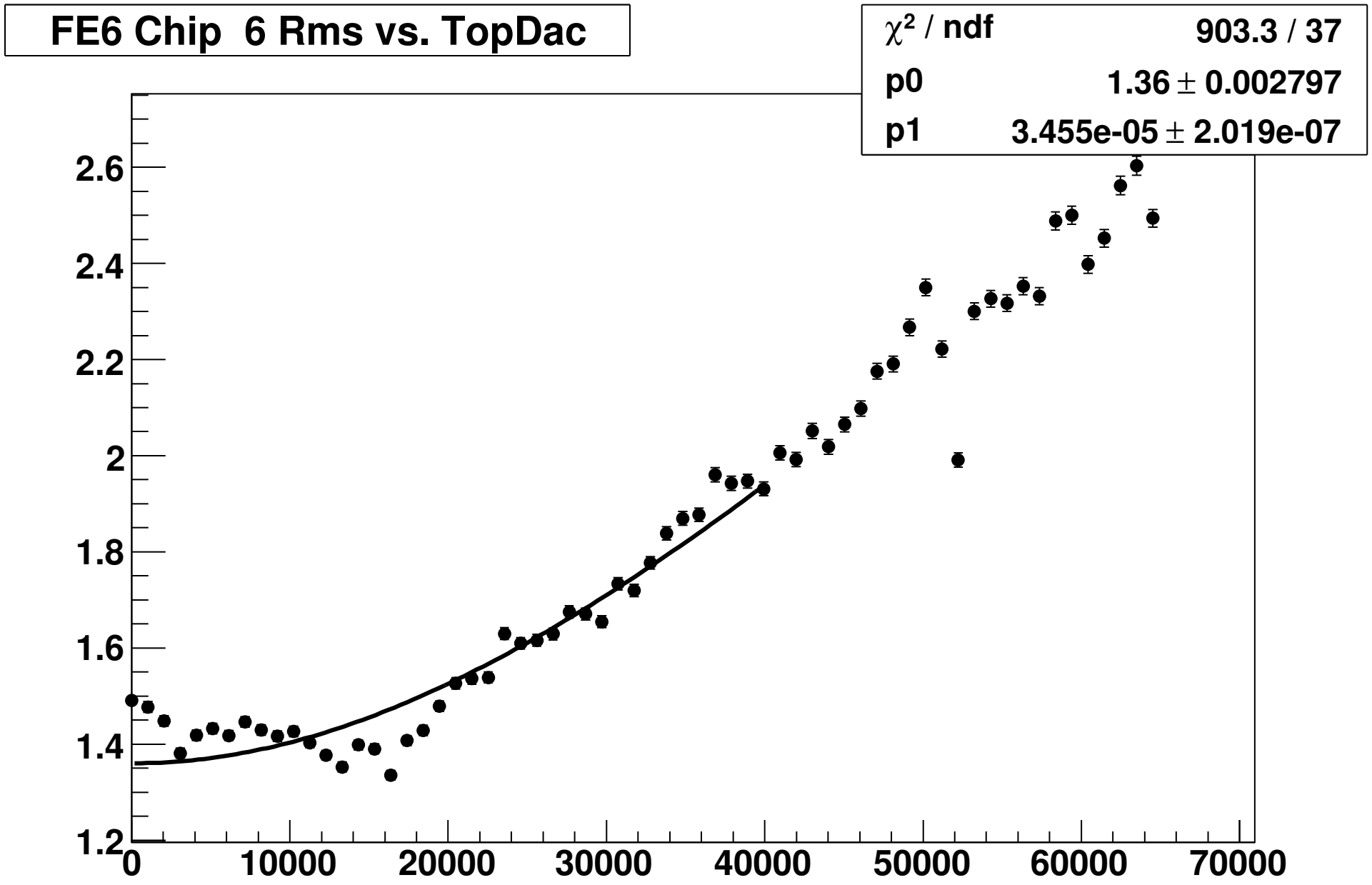
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 3.789e+04 / 37
p0 -53.96 ± 0.005107
p1 0.4519 ± 2.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 903.3 / 37
p0 1.36 ± 0.002797
p1 3.455e-05 ± 2.019e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
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60000
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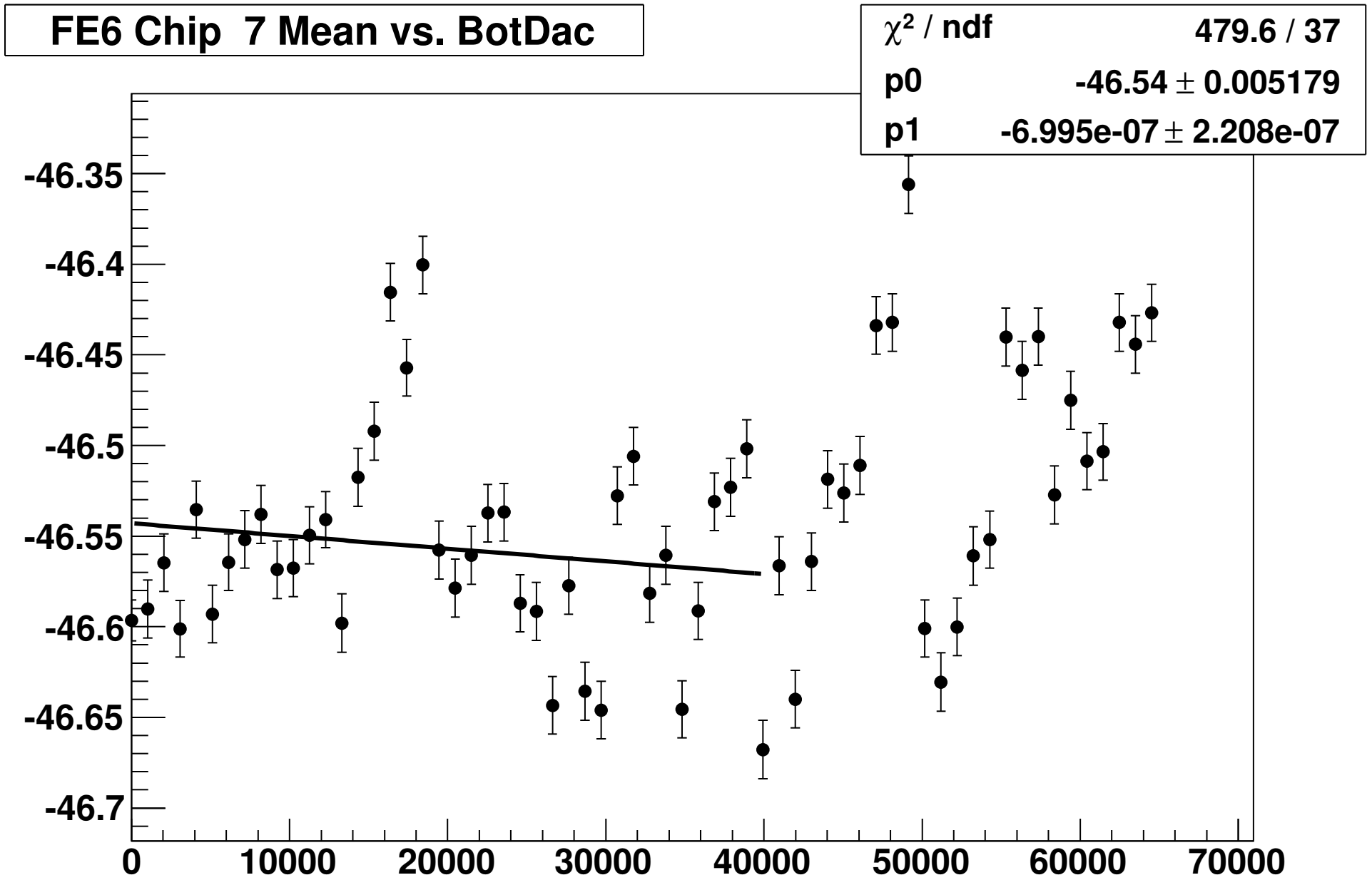
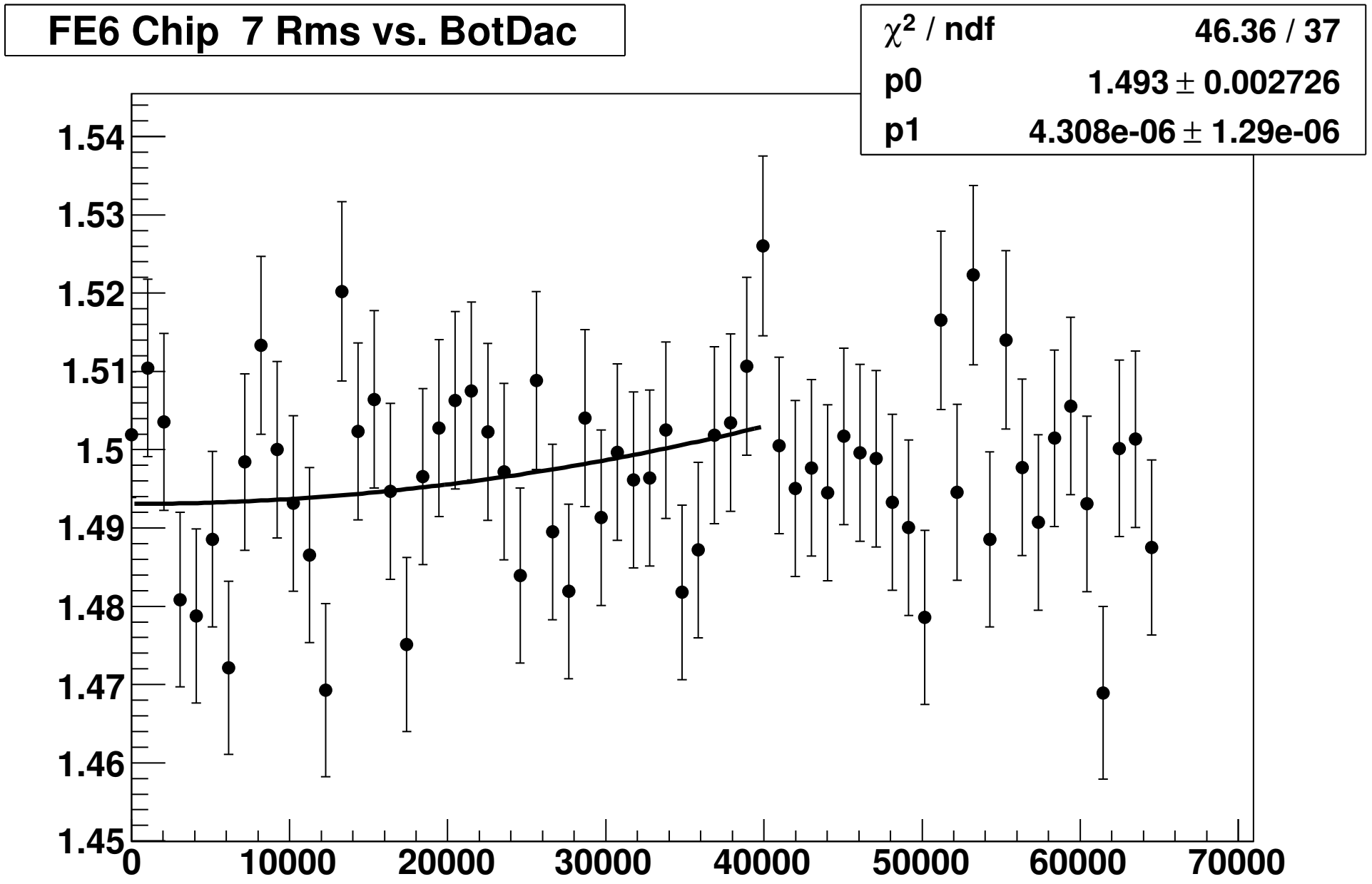

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 479.6 / 37
p0 -46.54 ± 0.005179
p1 -6.995e-07 ± 2.208e-07
-46.35
-46.4
-46.45
-46.5
-46.55
-46.6
-46.65
-46.7
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 46.36 / 37
p0 1.493 ± 0.002726
p1 4.308e-06 ± 1.29e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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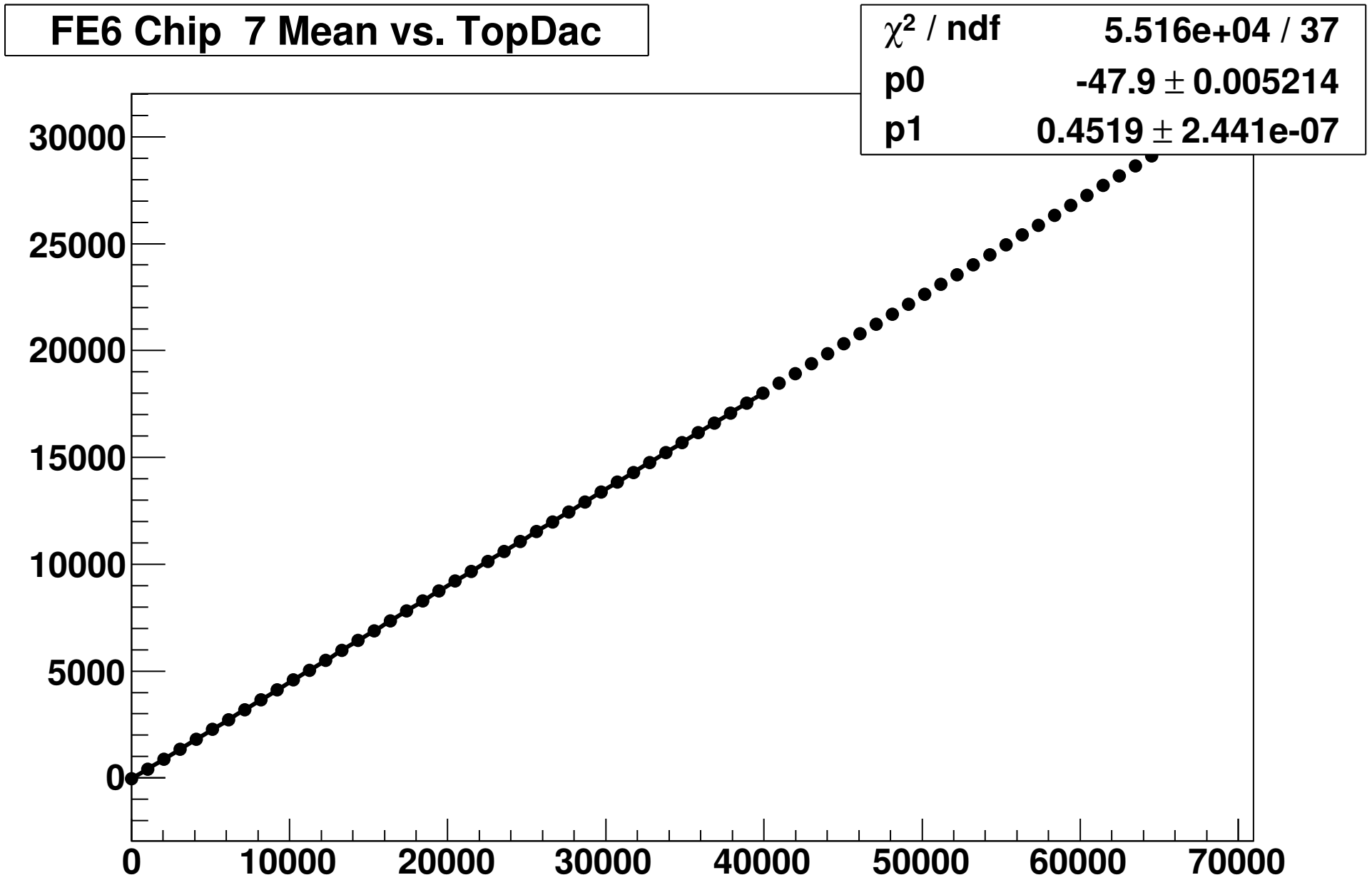
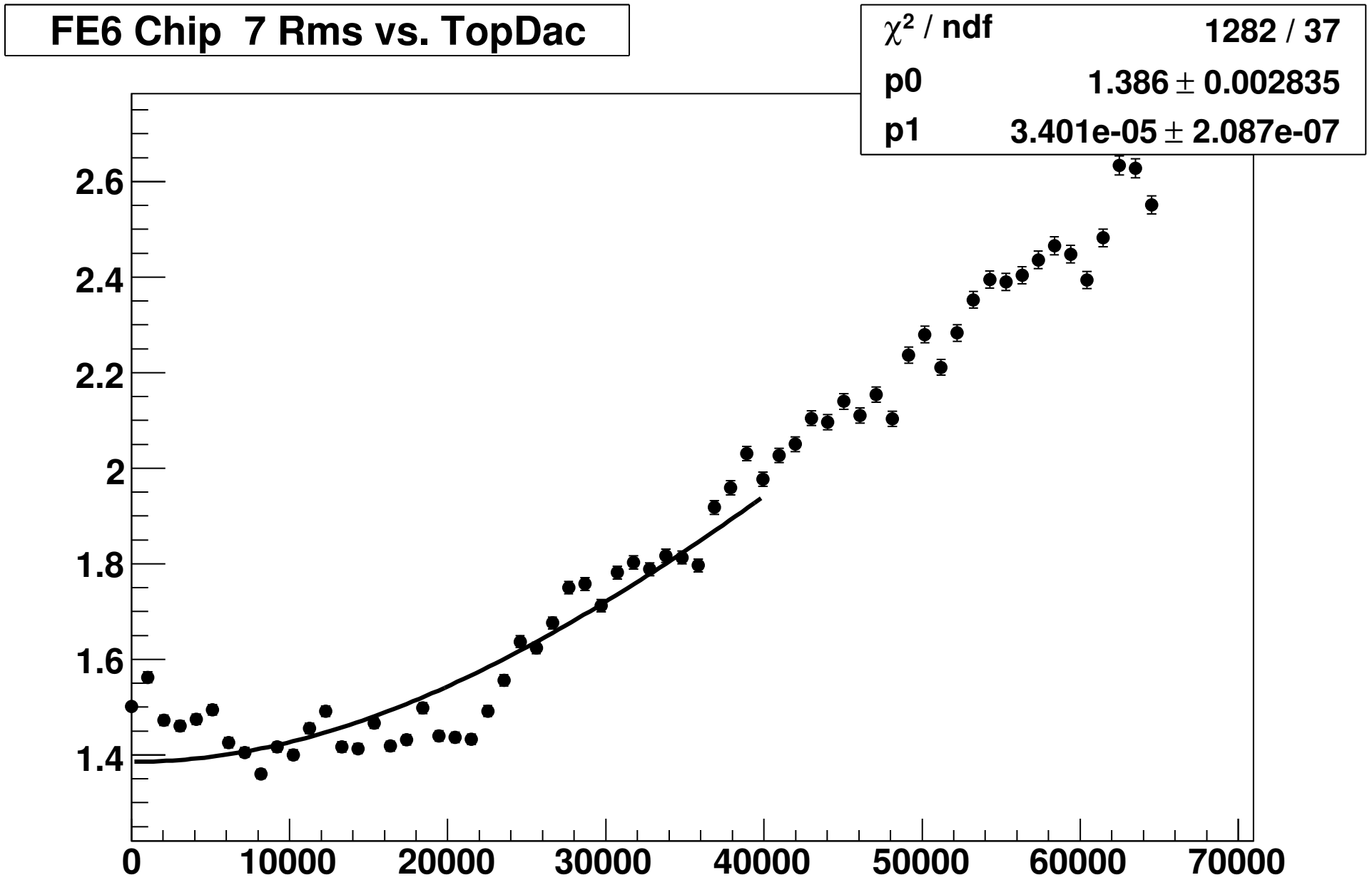

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 5.516e+04 / 37
p0 -47.9 ± 0.005214
p1 0.4519 ± 2.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1282 / 37
p0 1.386 ± 0.002835
p1 3.401e-05 ± 2.087e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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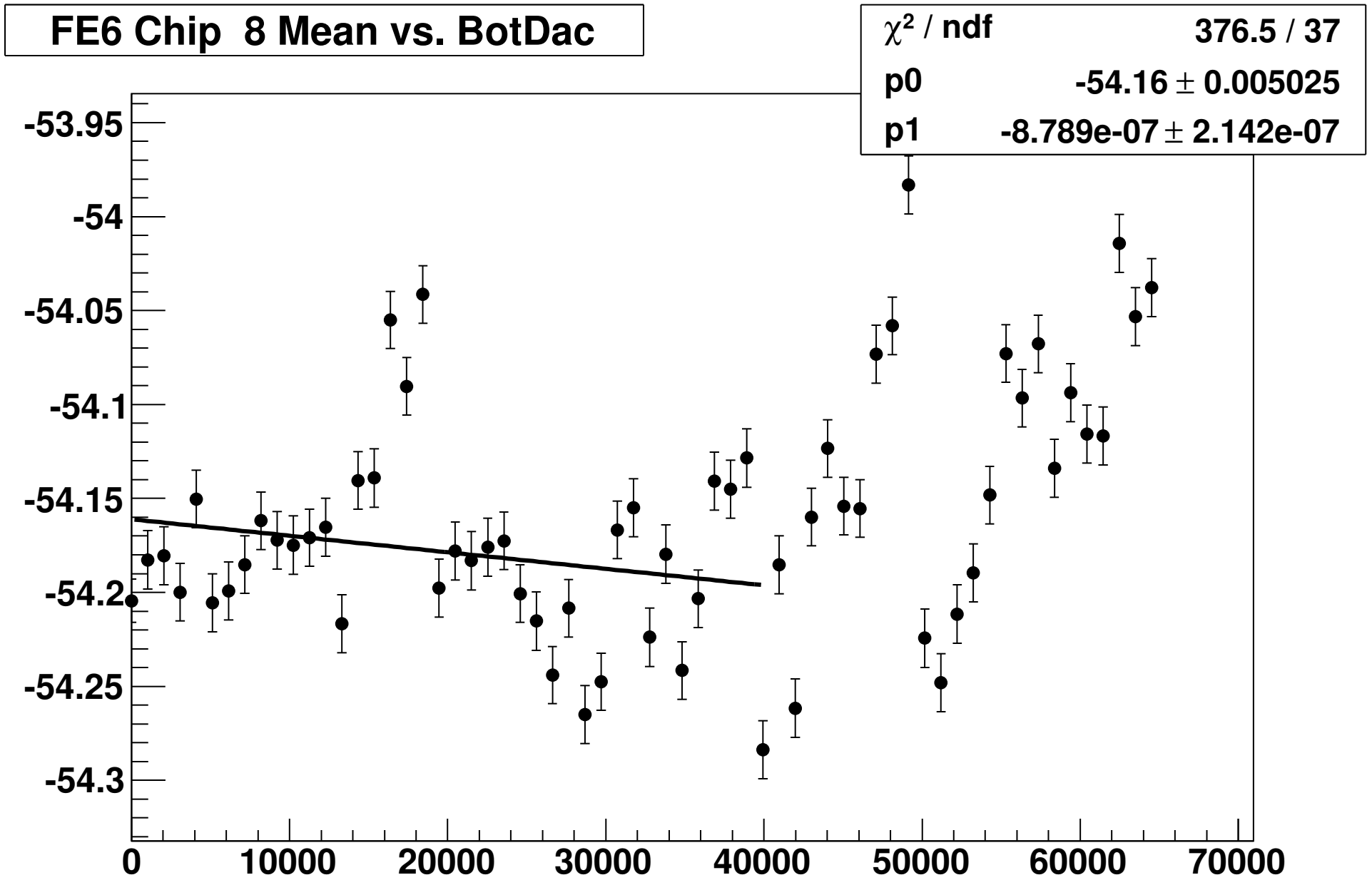
60000
70000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 376.5 / 37
p0 -54.16 ± 0.005025
p1 -8.789e-07 ± 2.142e-07
-53.95
-54
-54.05
-54.1
-54.15
-54.2
-54.25
-54.3
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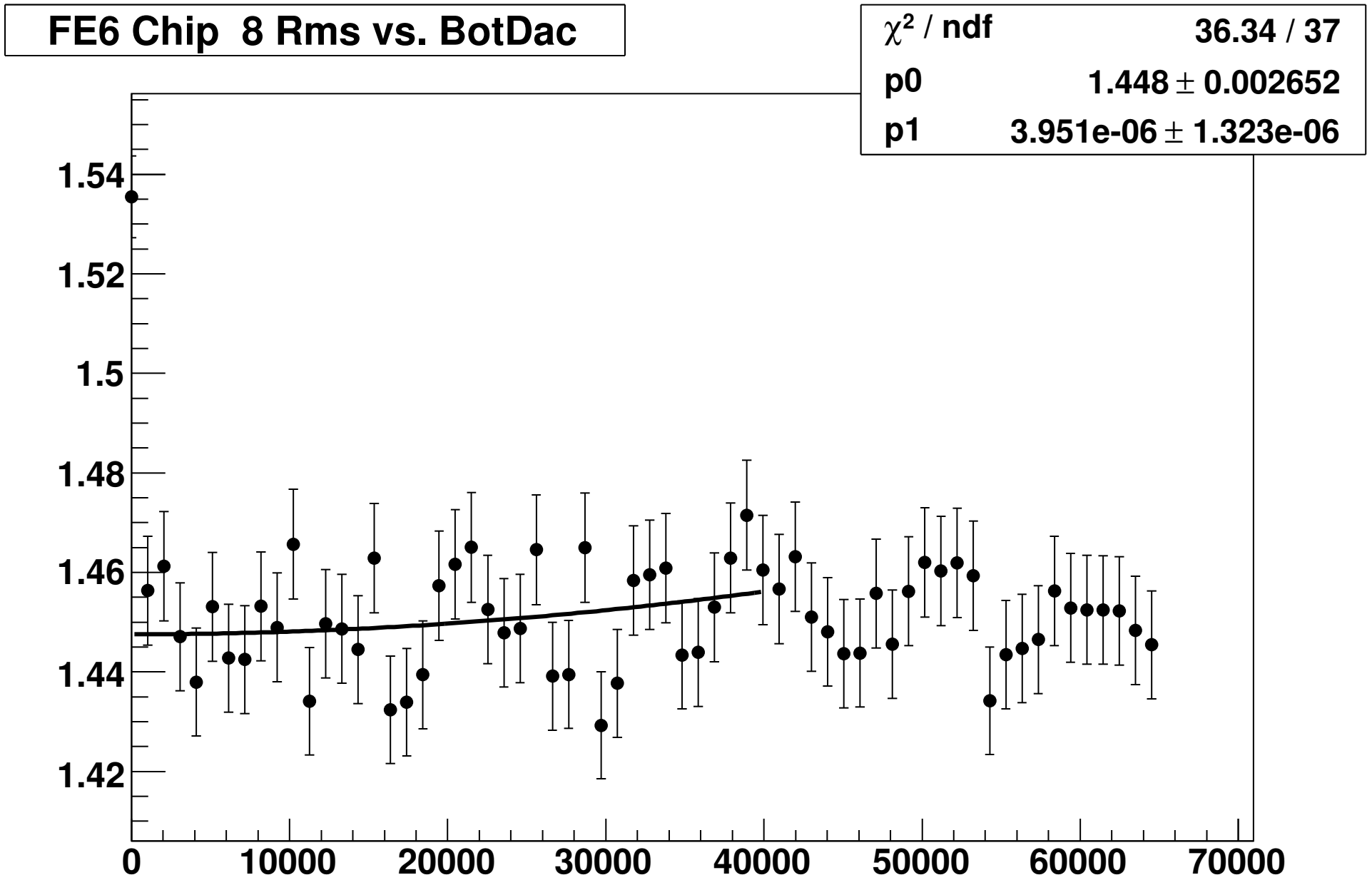
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 36.34 / 37
p0 1.448 ± 0.002652
p1 3.951e-06 ± 1.323e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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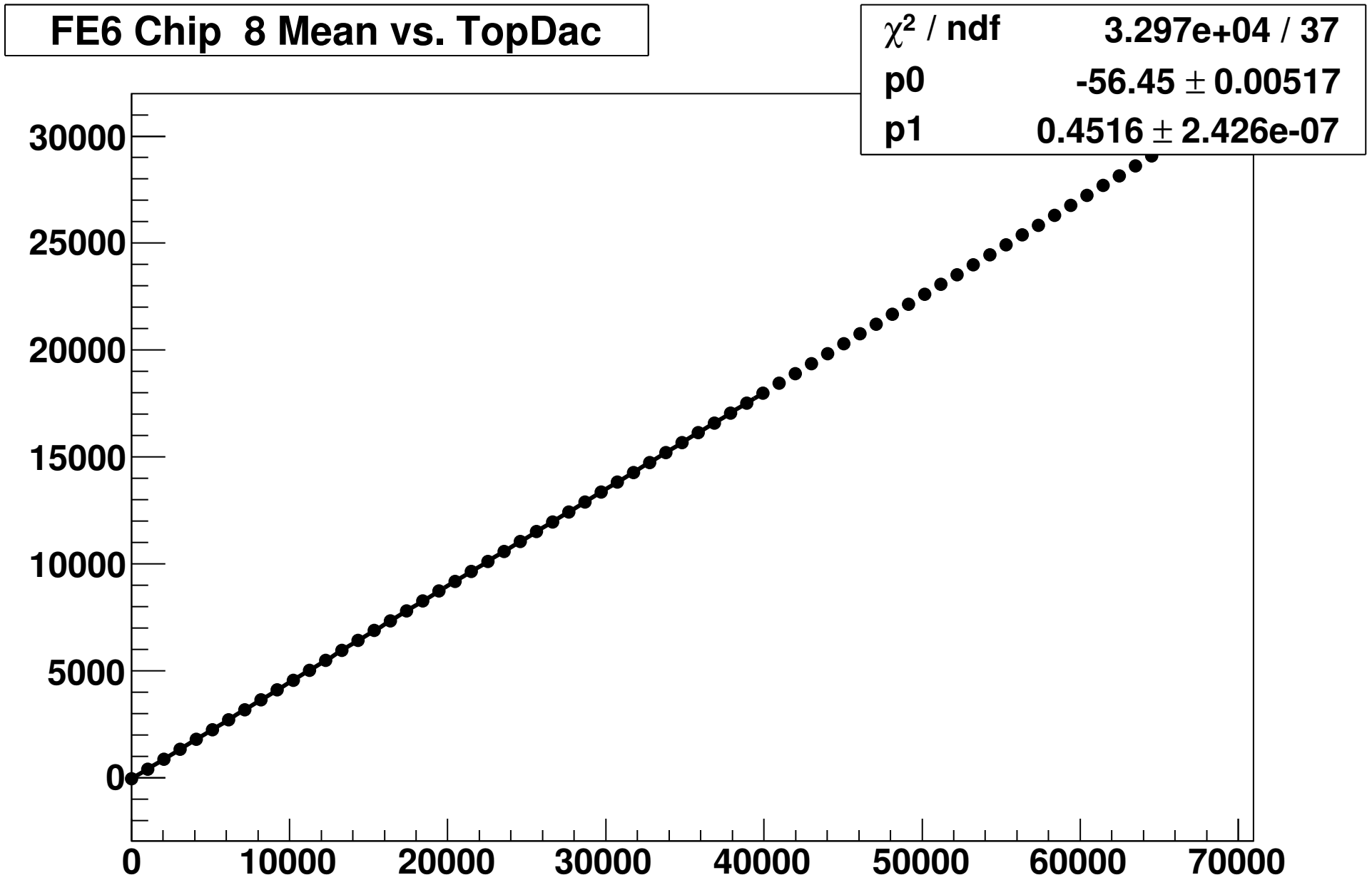
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 3.297e+04 / 37
p0 -56.45 ± 0.00517
p1 0.4516 ± 2.426e-07
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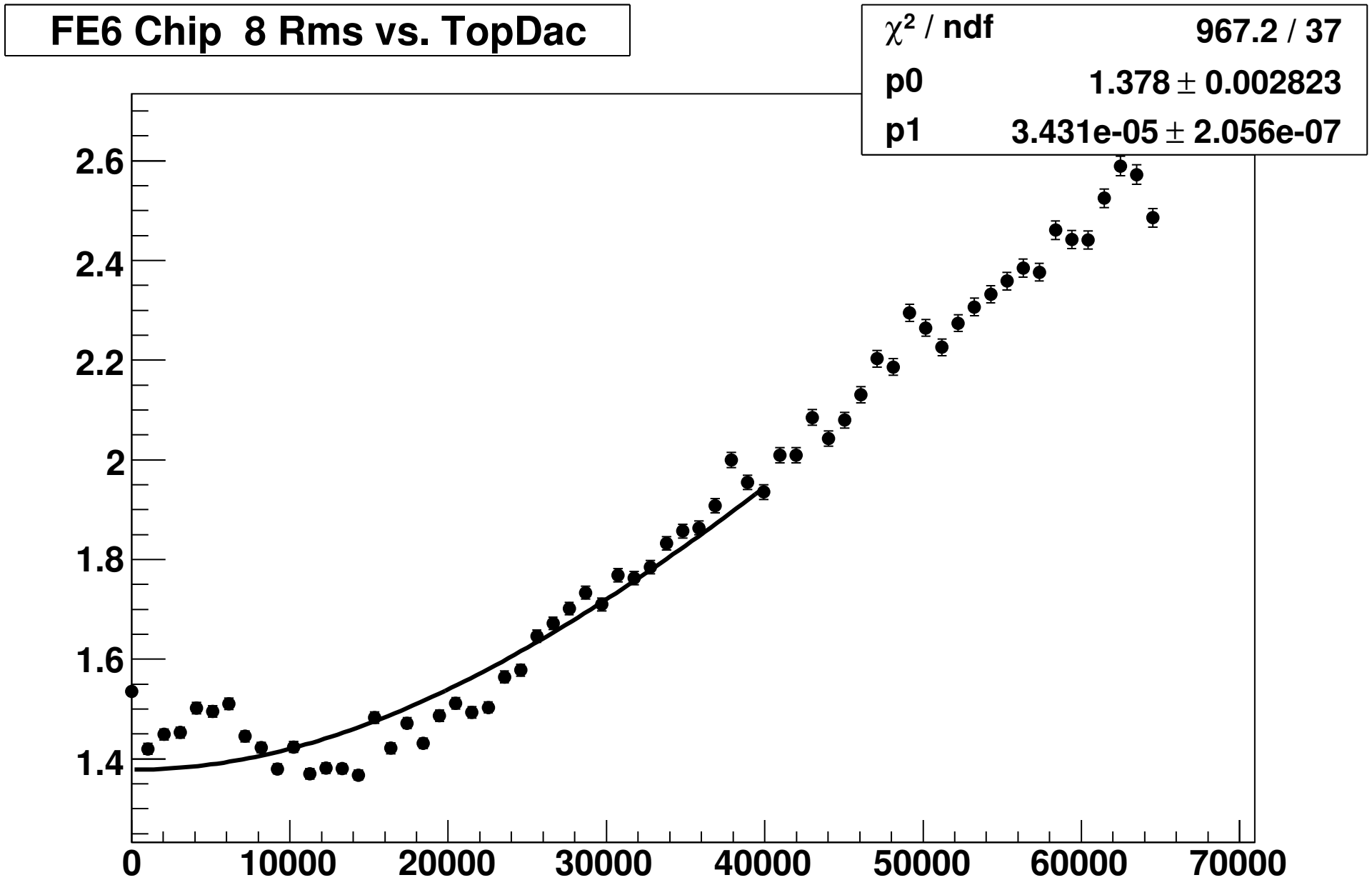
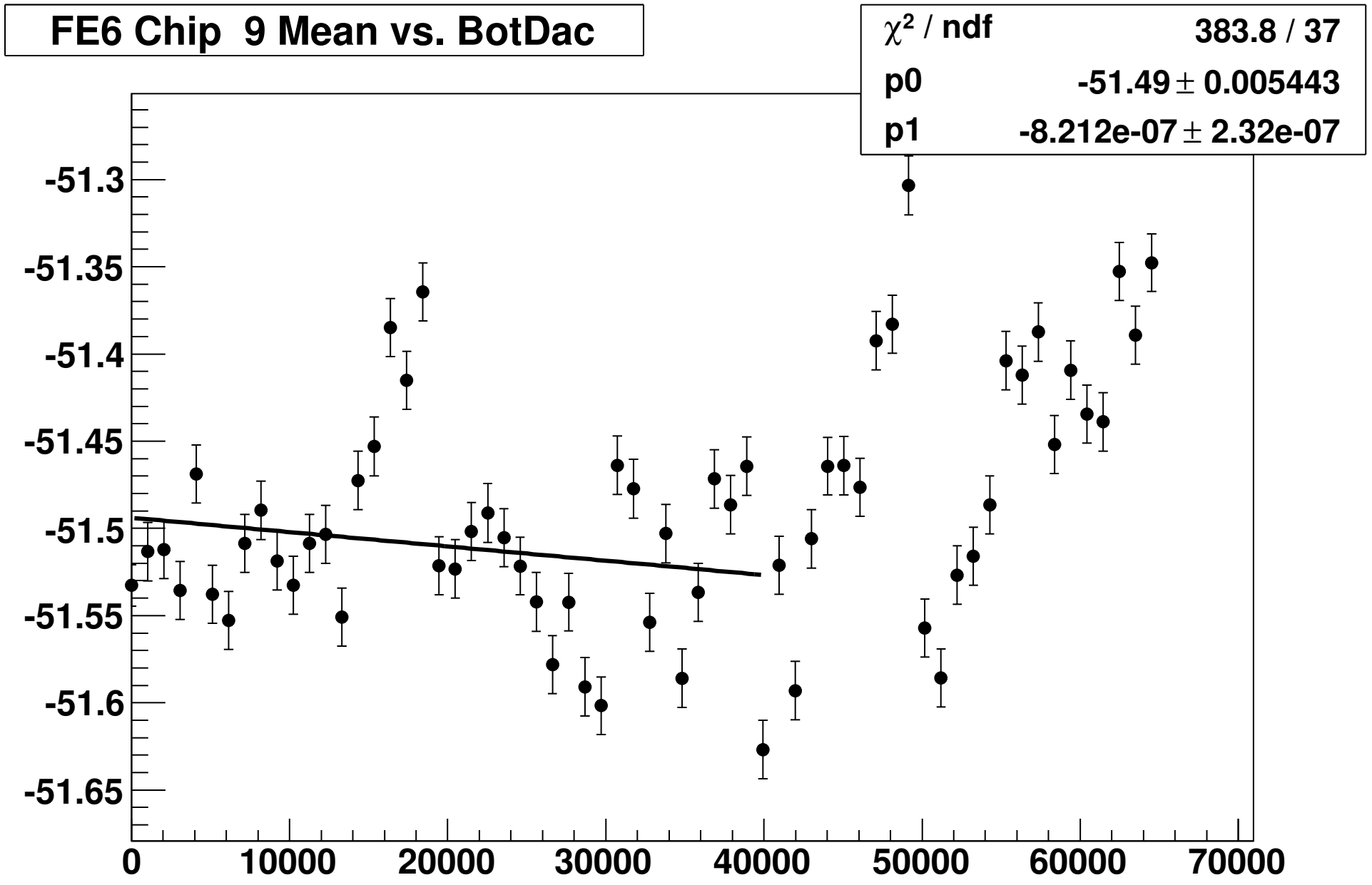
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 967.2 / 37
p0 1.378 ± 0.002823
p1 3.431e-05 ± 2.056e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 383.8 / 37
p0 -51.49 ± 0.005443
p1 -8.212e-07 ± 2.32e-07
-51.3
-51.35
-51.4
-51.45
-51.5
-51.55
-51.6
-51.65
0
10000
20000
30000
40000
50000
60000
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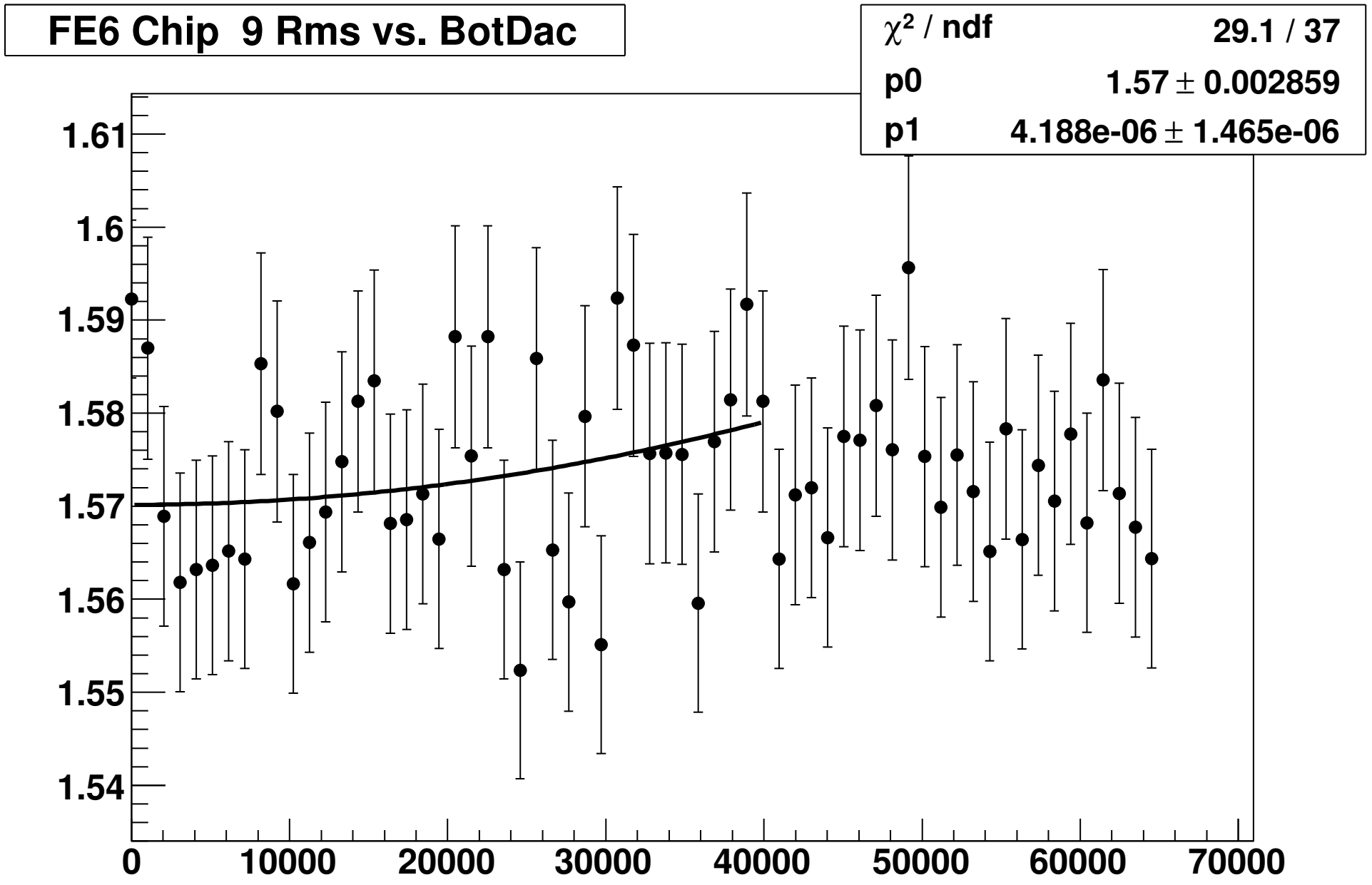
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 29.1 / 37
p0 1.57 ± 0.002859
p1 4.188e-06 ± 1.465e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
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20000
30000
40000
50000
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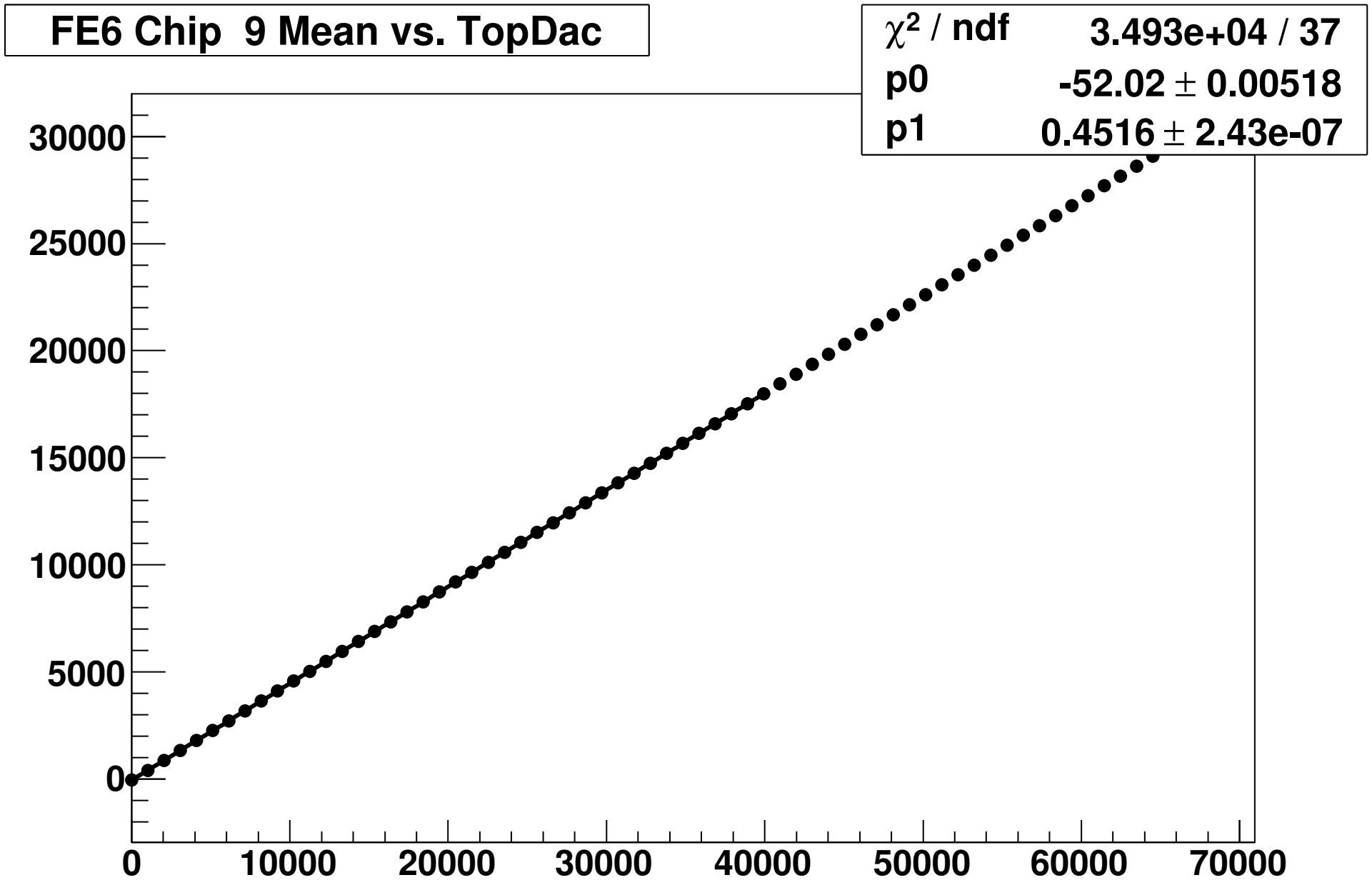
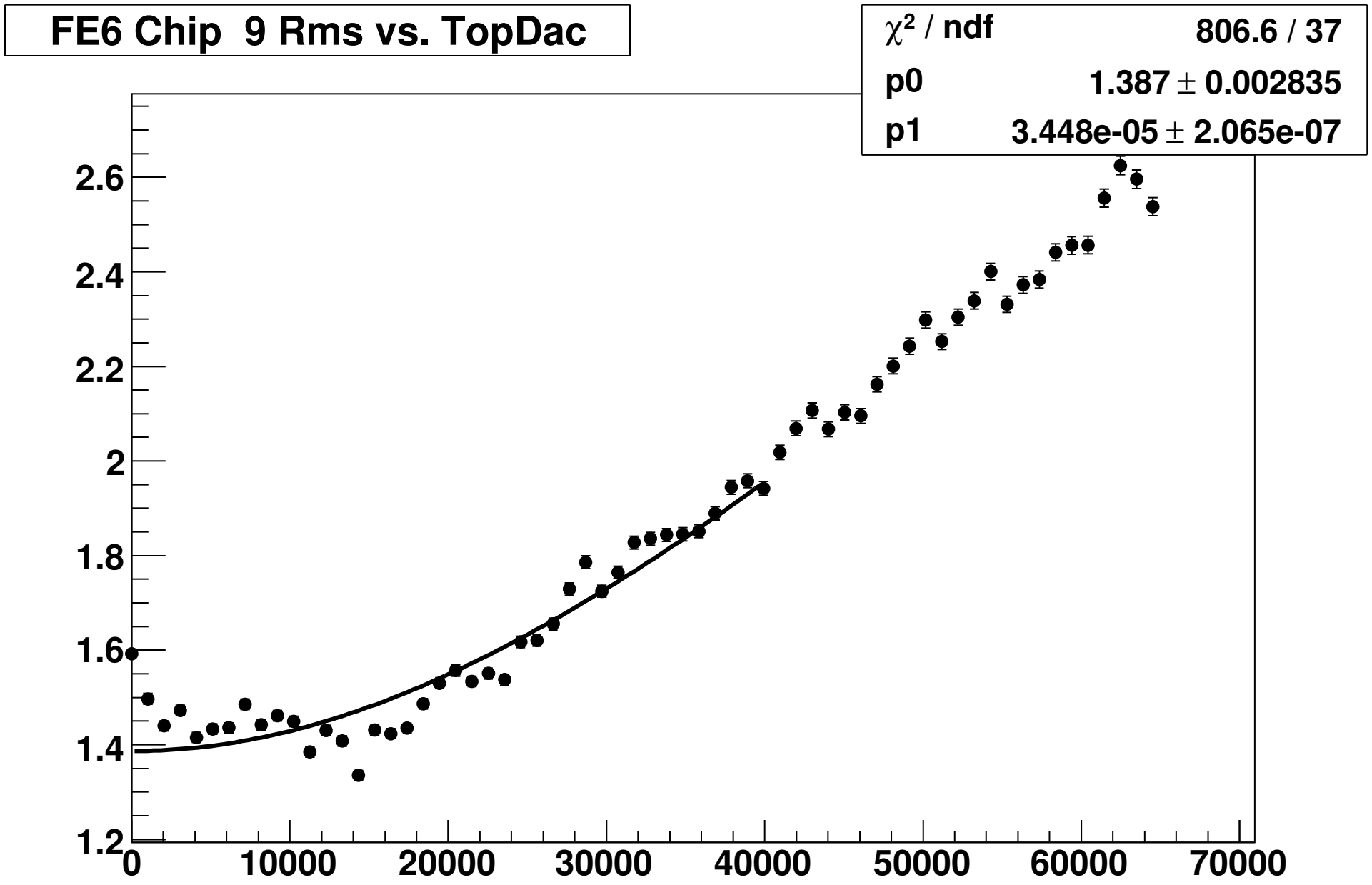
70000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 3.493e+04 / 37
p0 -52.02 ± 0.00518
p1 0.4516 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 806.6 / 37
p0 1.387 ± 0.002835
p1 3.448e-05 ± 2.065e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
60000
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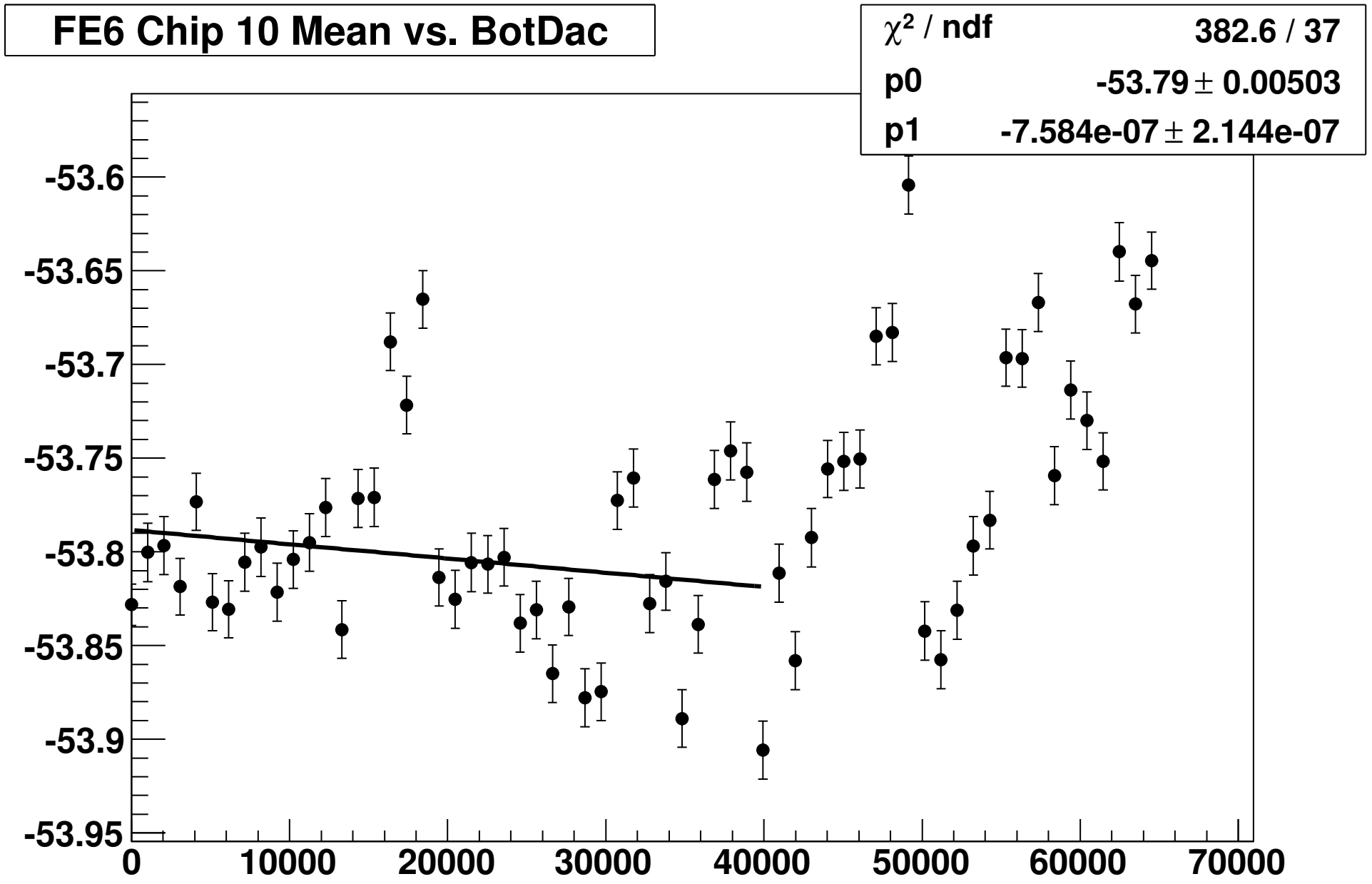
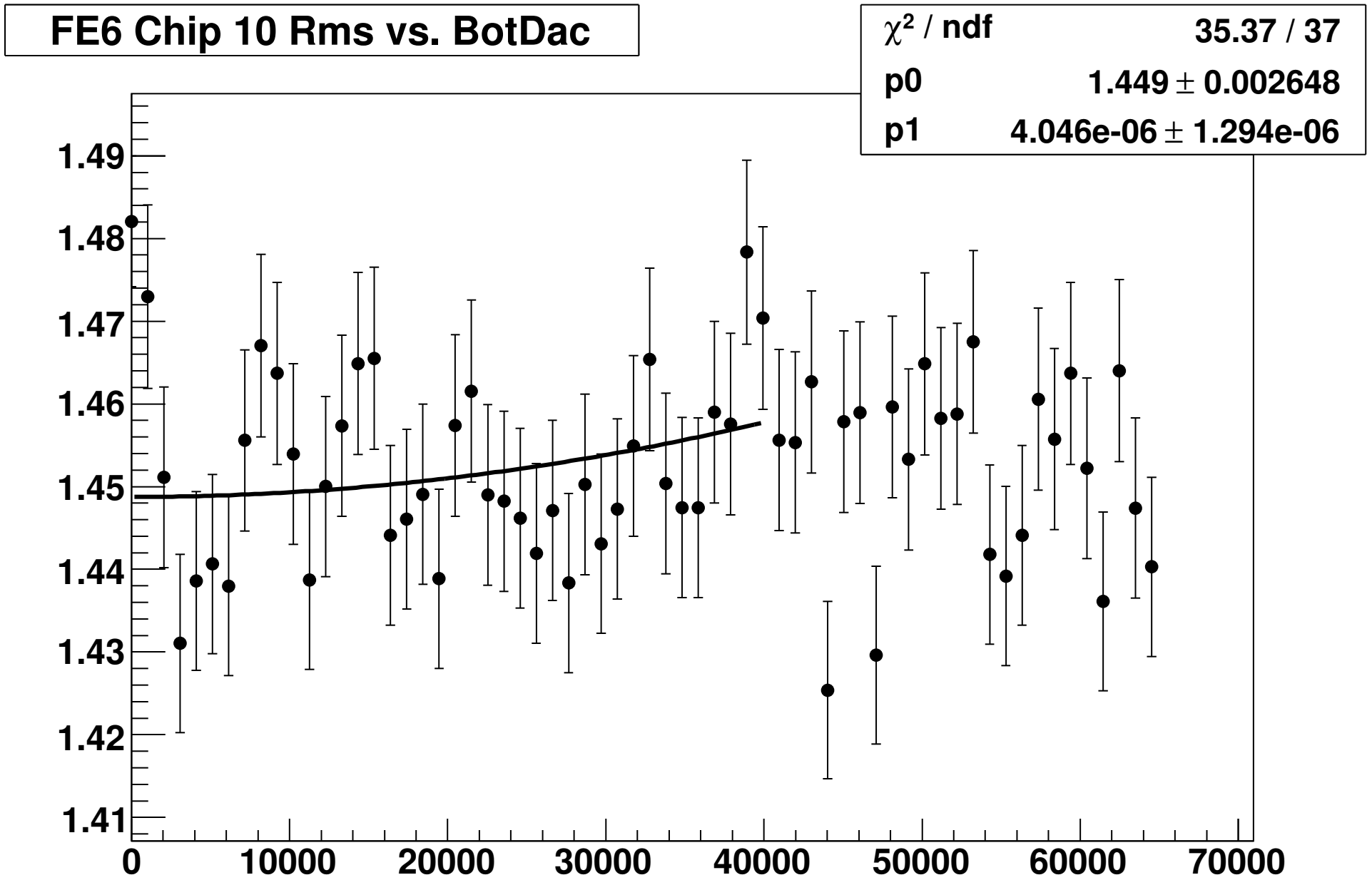
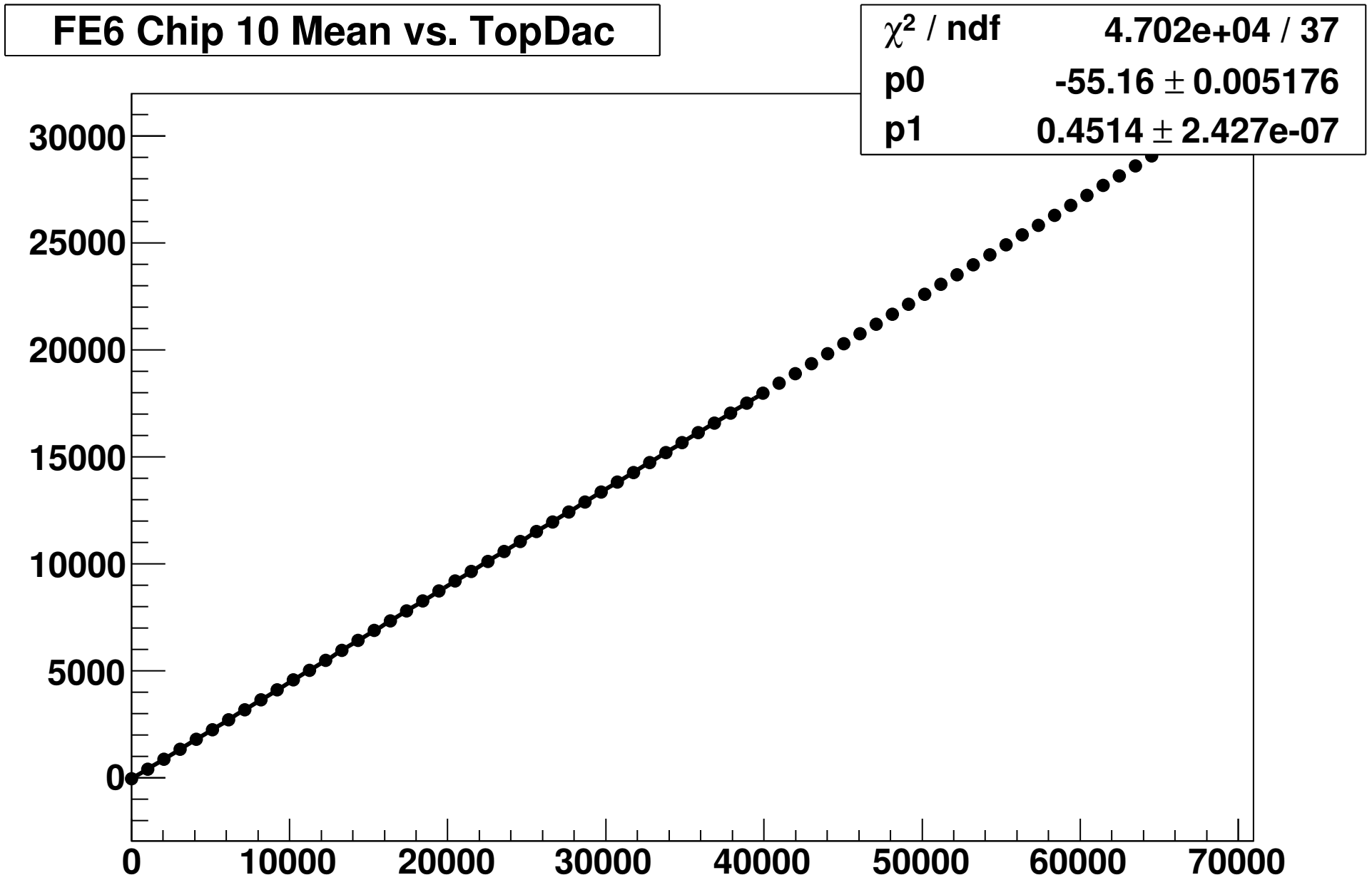

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 382.6 / 37
p0 -53.79 ± 0.00503
p1 -7.584e-07 ± 2.144e-07
-53.6
-53.65
-53.7
-53.75
-53.8
-53.85
-53.9
-53.95
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 35.37 / 37
p0 1.449 ± 0.002648
p1 4.046e-06 ± 1.294e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 4.702e+04 / 37
p0 -55.16 ± 0.005176
p1 0.4514 ± 2.427e-07
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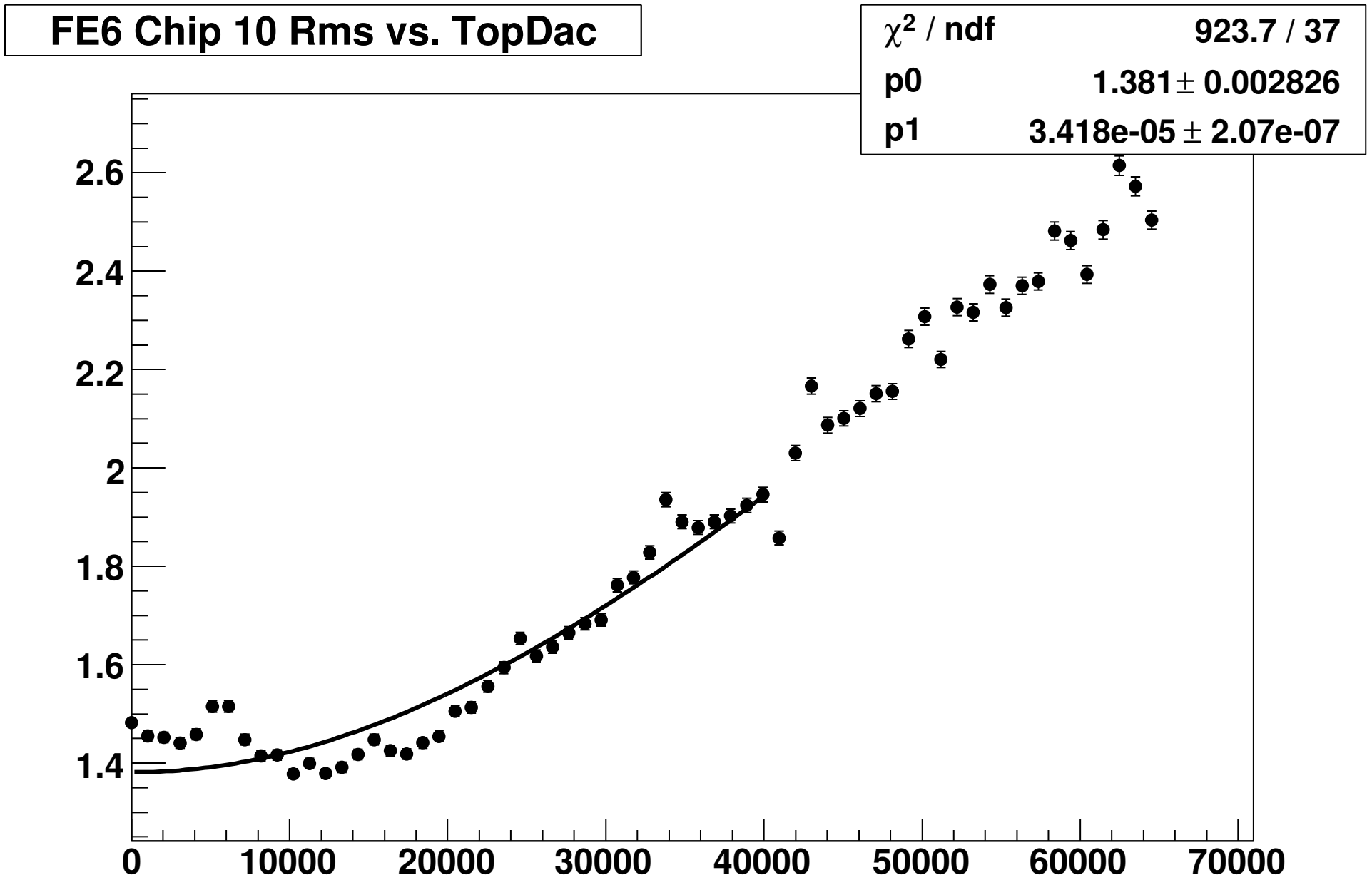
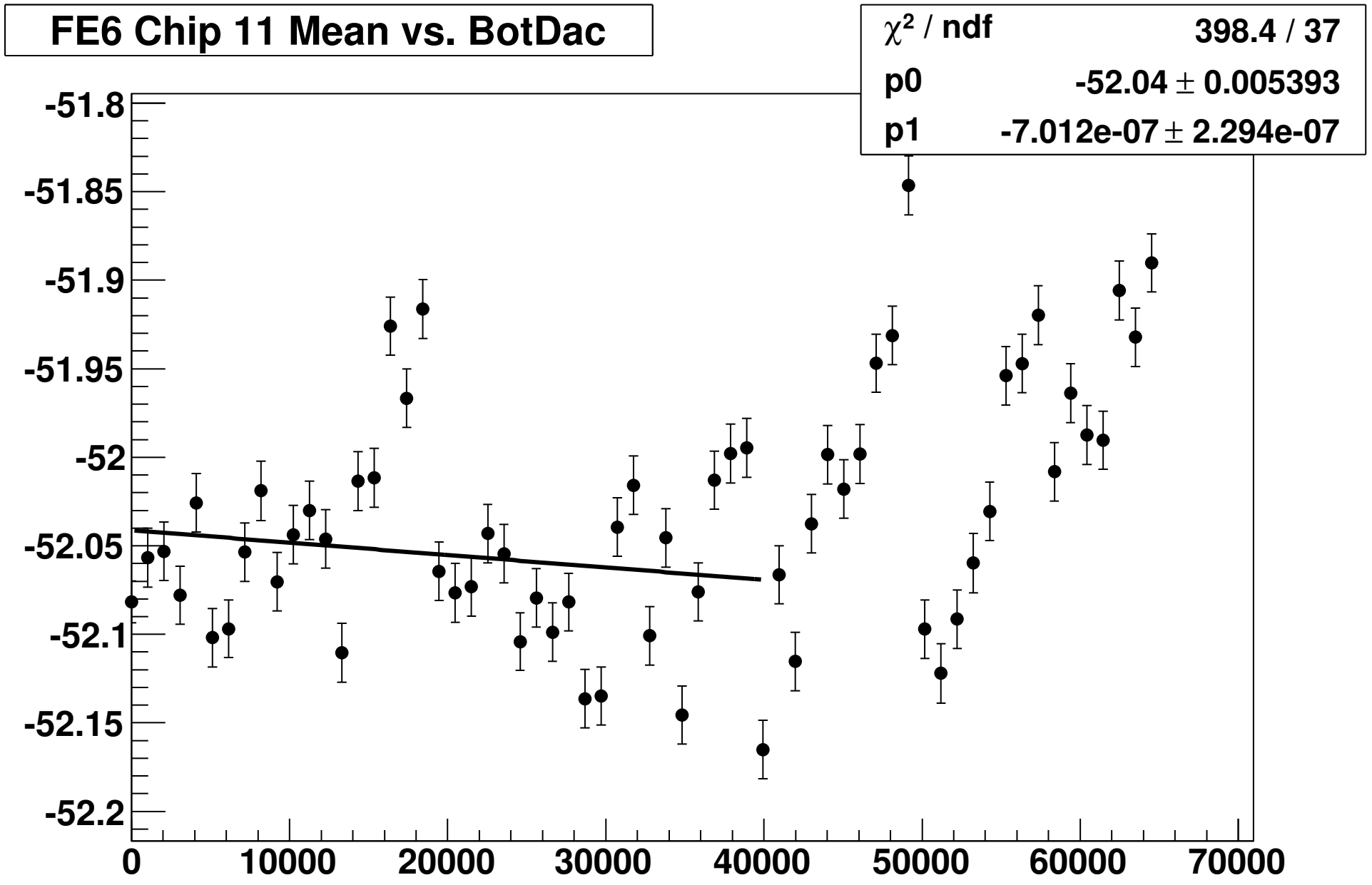
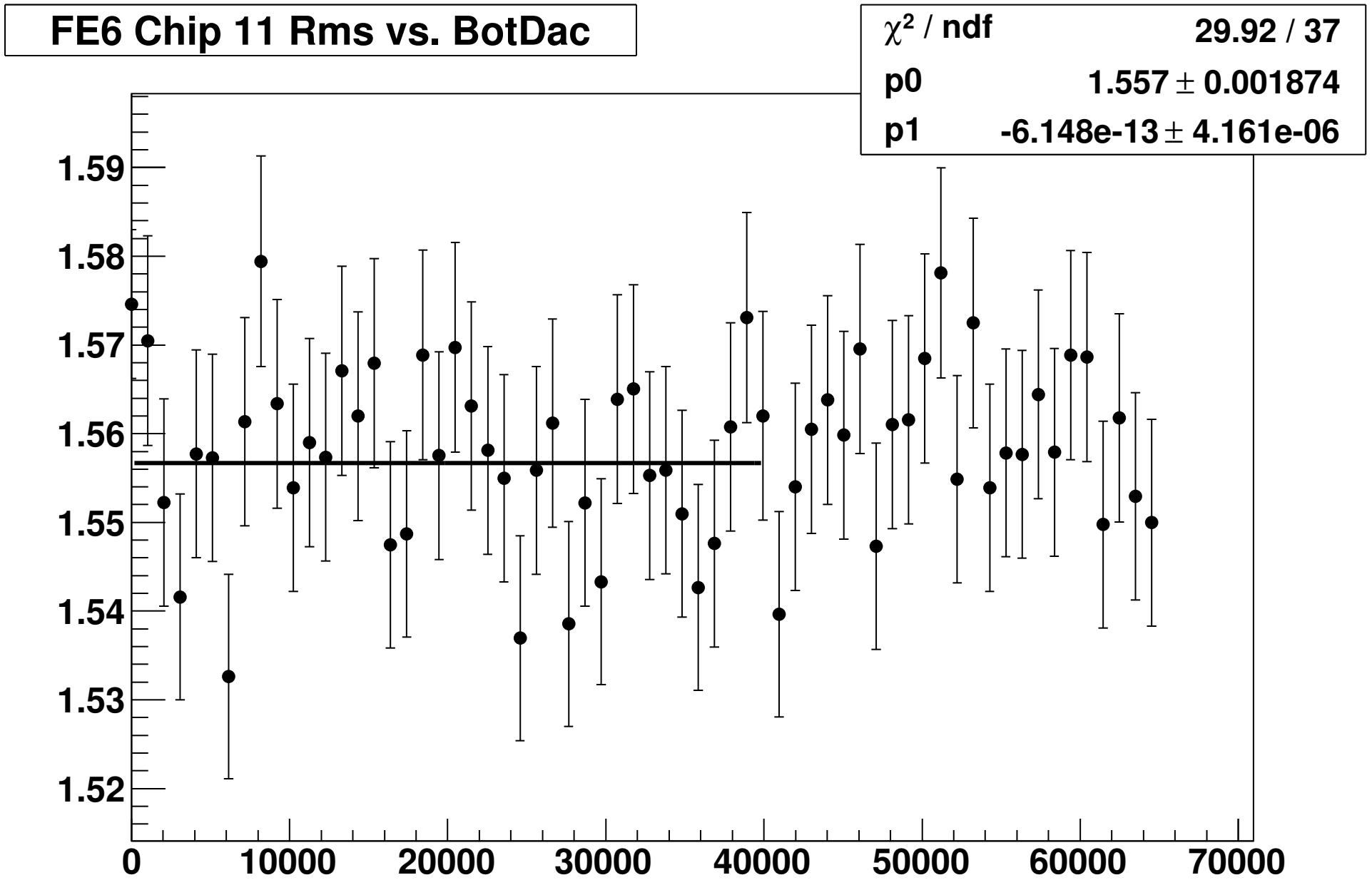
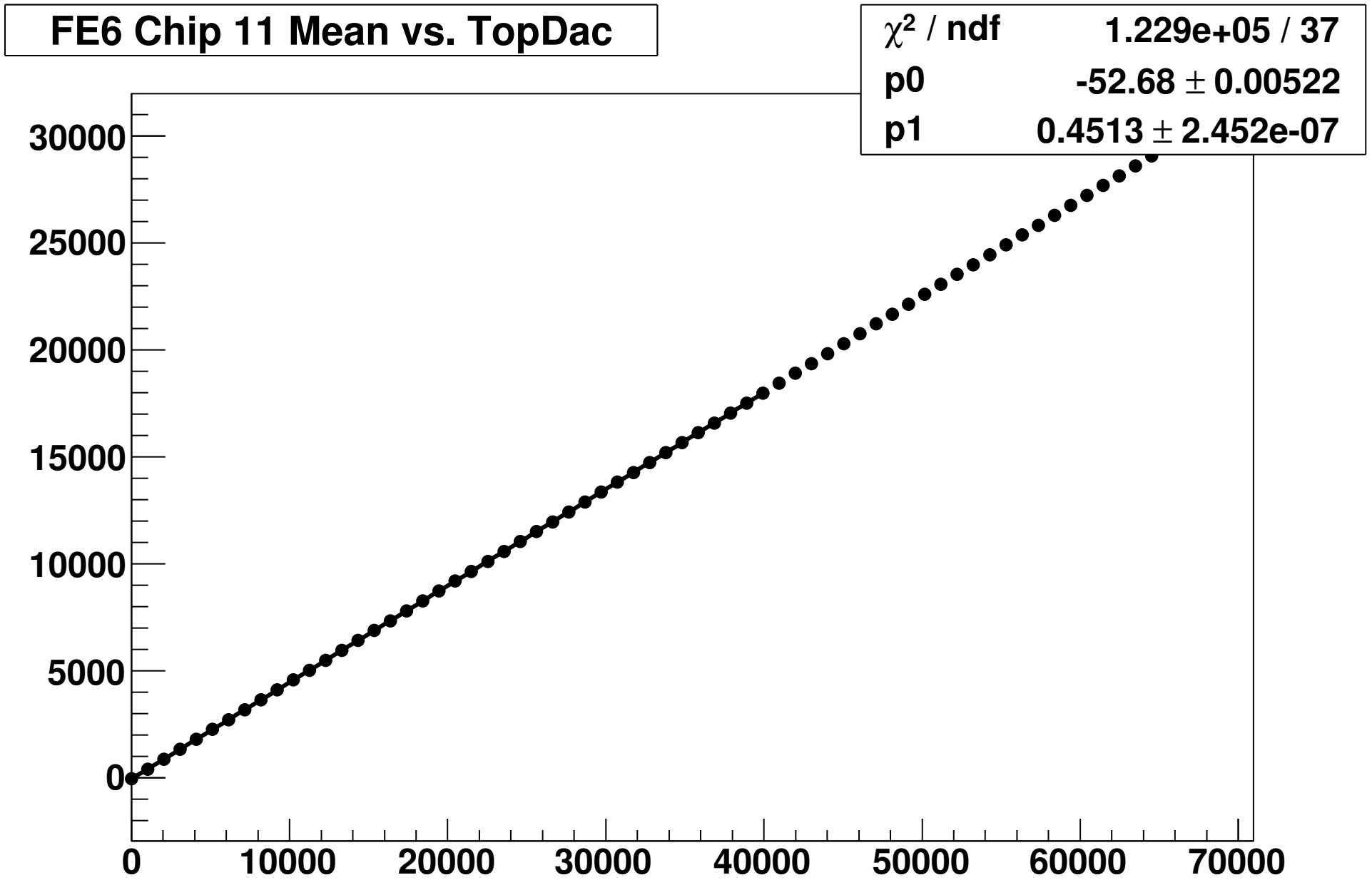
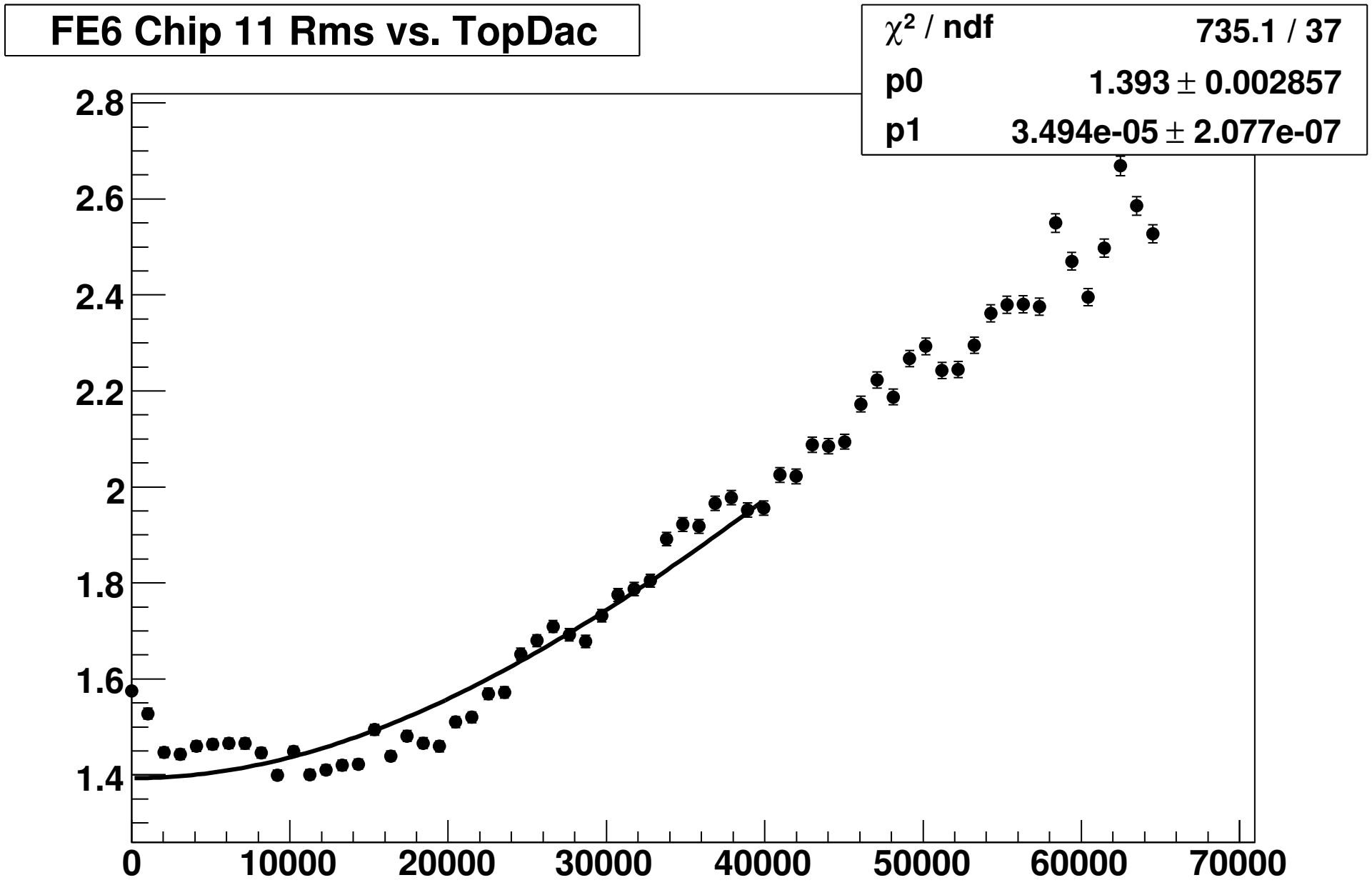
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

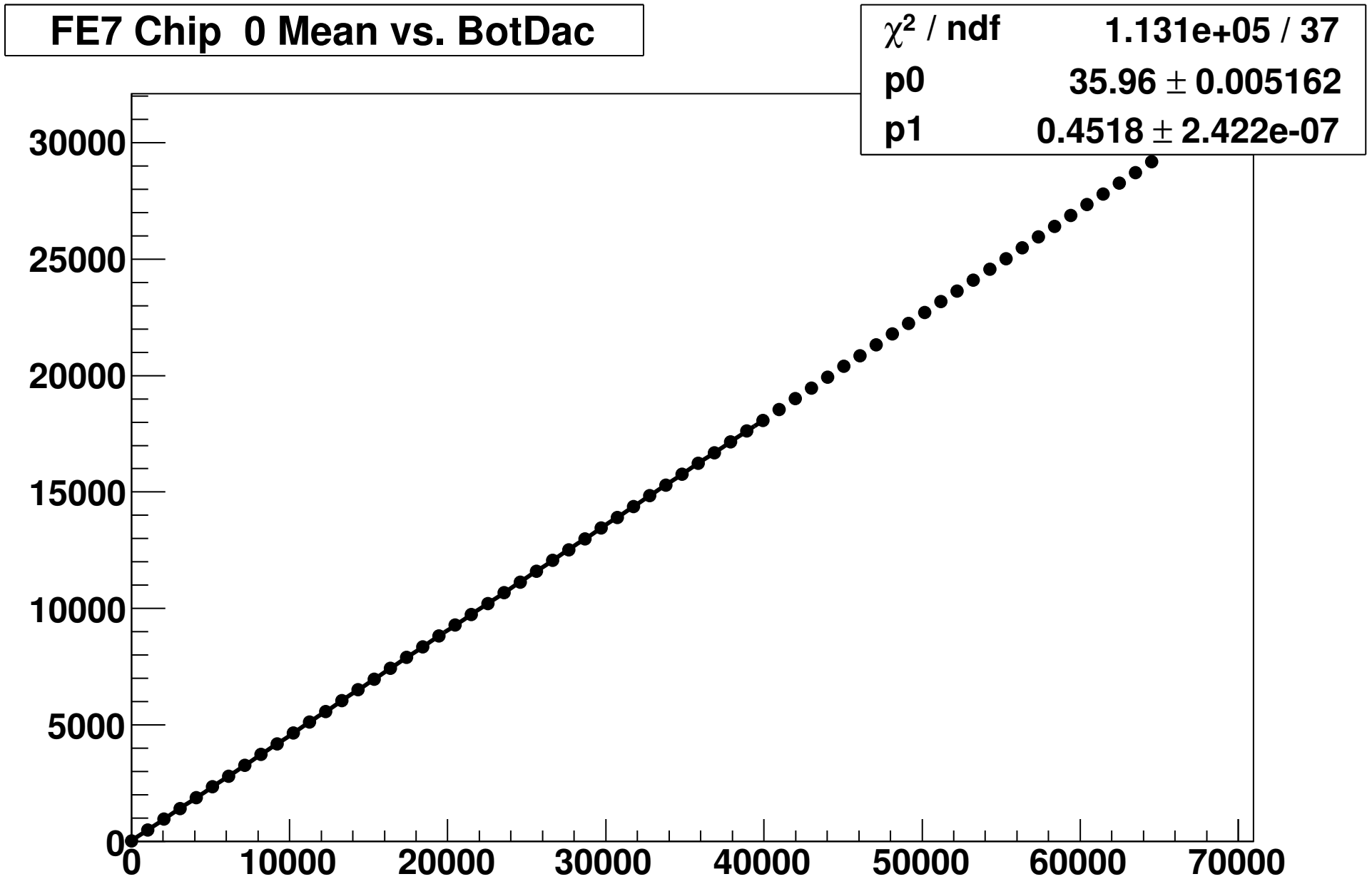

FE6 Chip 10 Rms vs. TopDac
χ² / ndf 923.7 / 37
p0 1.381 ± 0.002826
p1 3.418e-05 ± 2.07e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

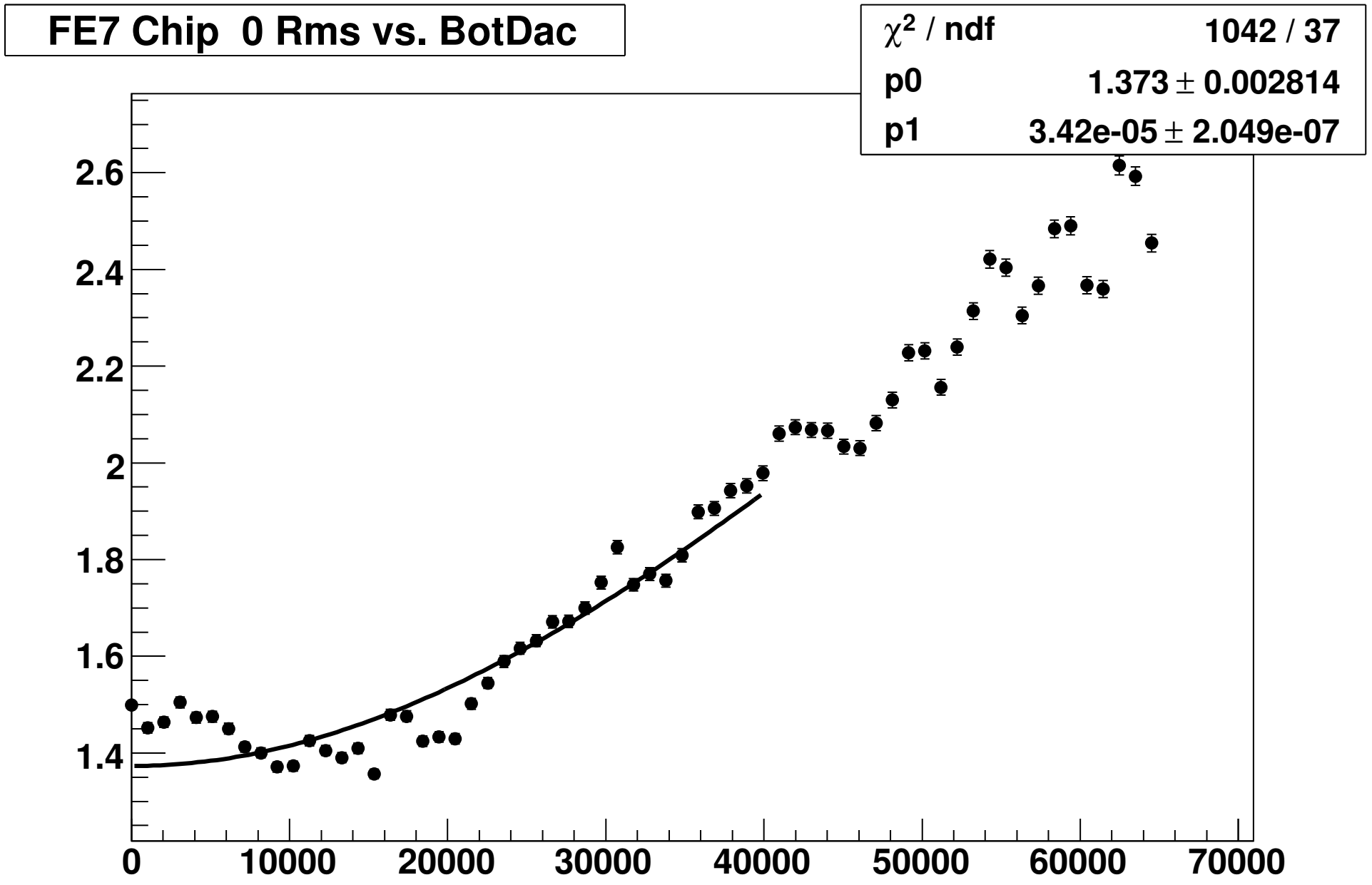

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 398.4 / 37
p0 -52.04 ± 0.005393
p1 -7.012e-07 ± 2.294e-07
-51.8
-51.85
-51.9
-51.95
-52
-52.05
-52.1
-52.15
-52.2
0
10000
20000
30000
40000
50000
60000
70000

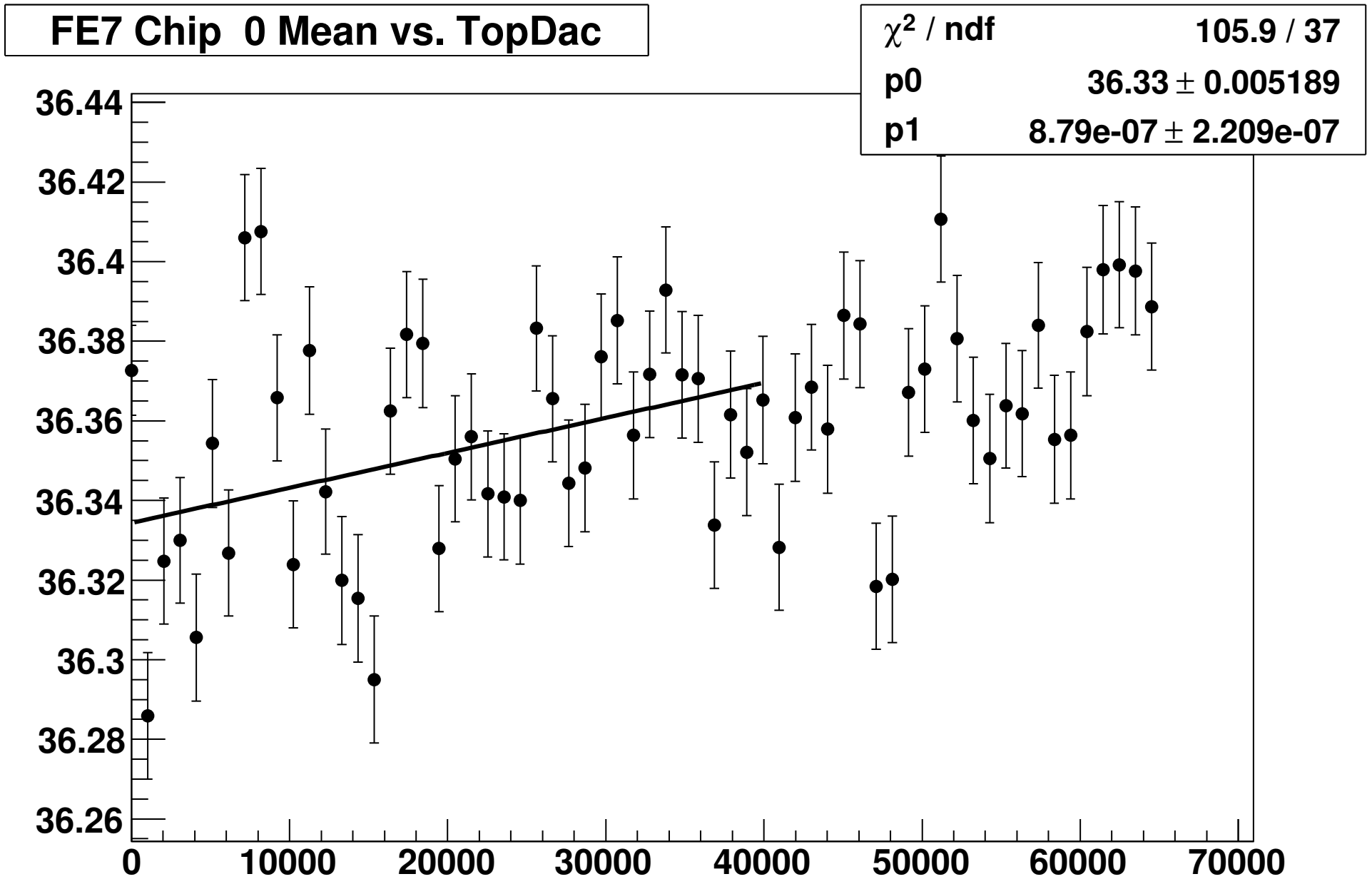

FE6 Chip 11 Rms vs. BotDac
χ² / ndf 29.92 / 37
p0 1.557 ± 0.001874
p1 -6.148e-13 ± 4.161e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000

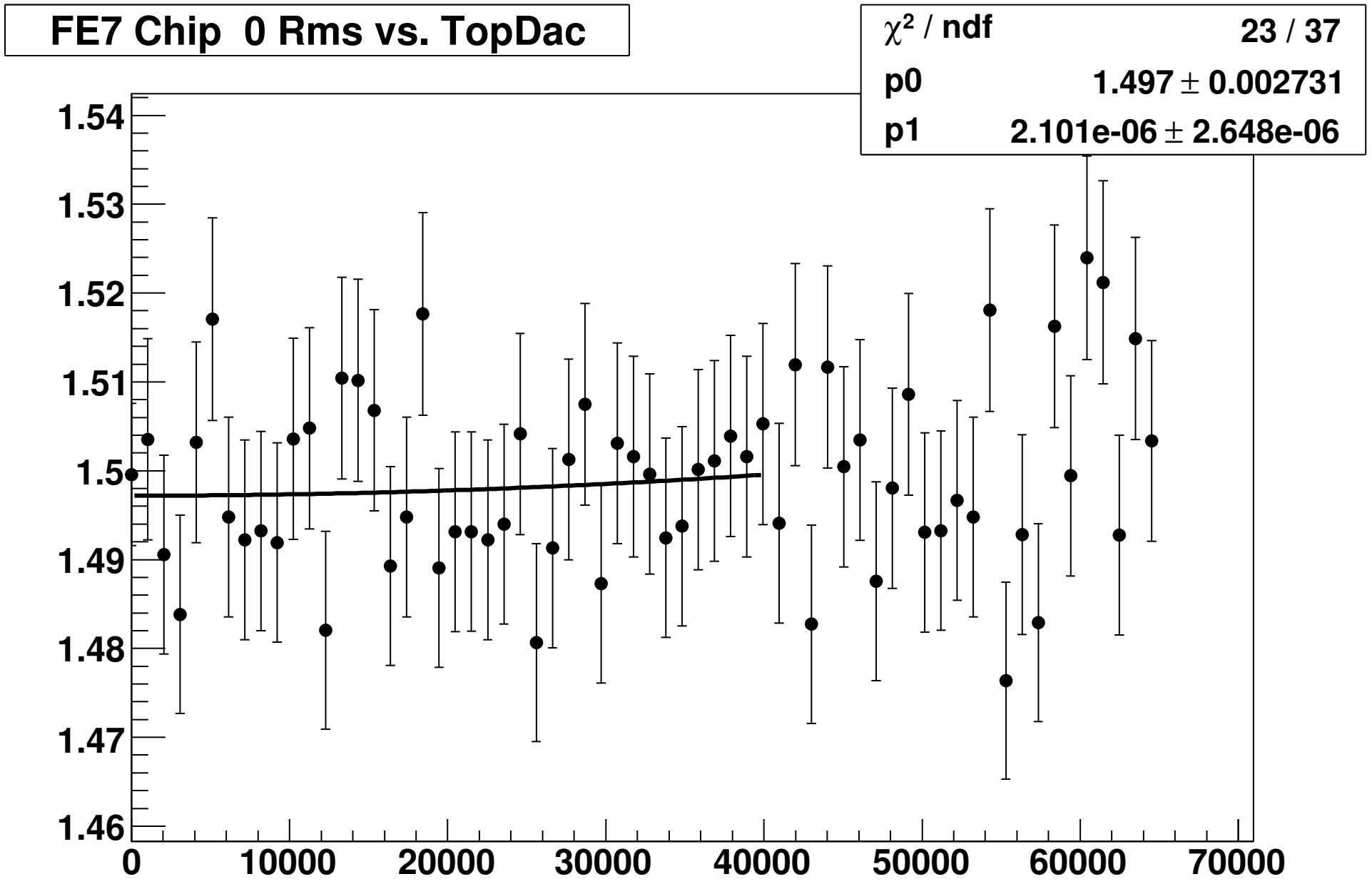

FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.229e+05 / 37
p0 -52.68 ± 0.00522
p1 0.4513 ± 2.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

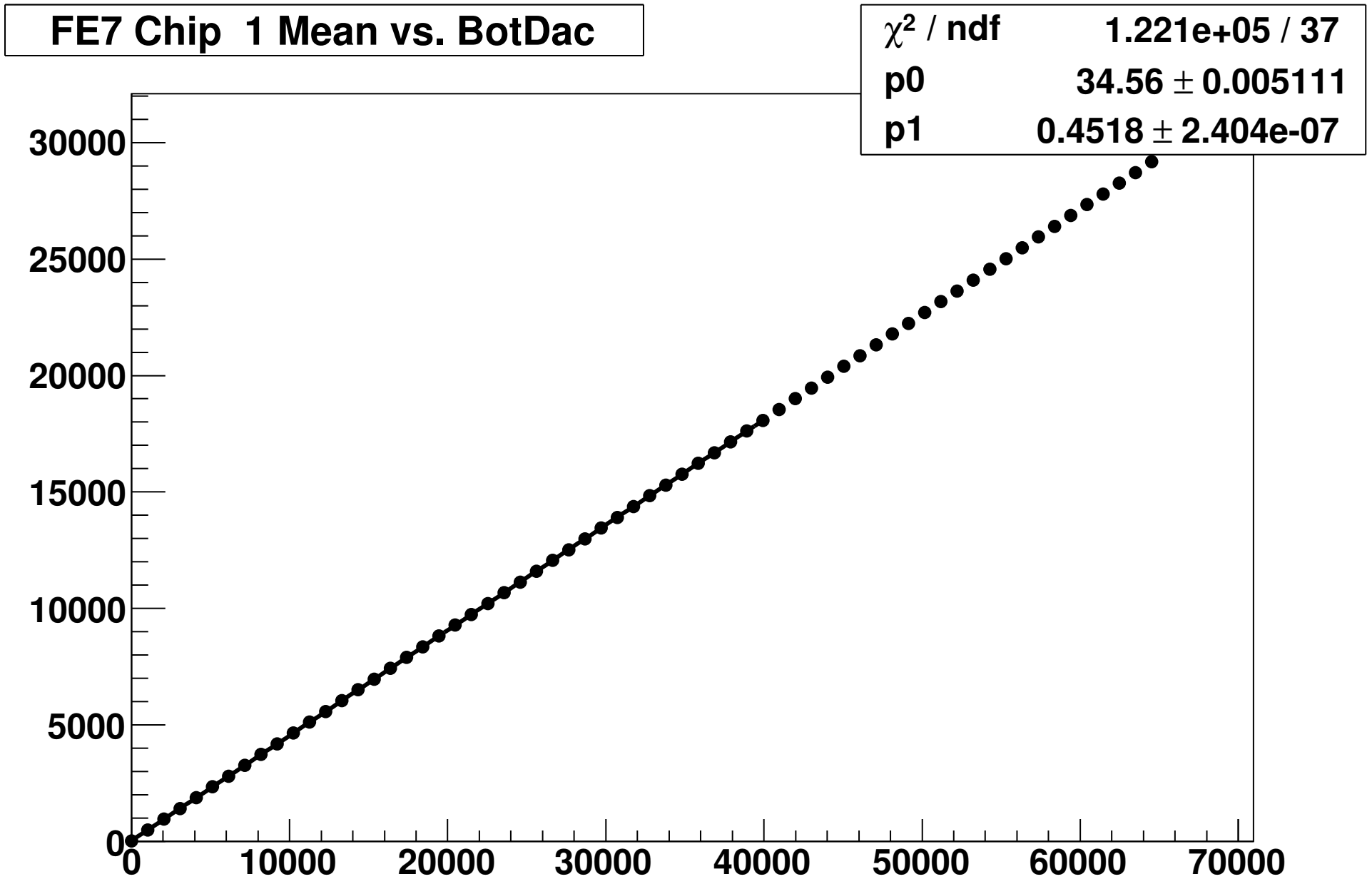

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 735.1 / 37
p0 1.393 ± 0.002857
p1 3.494e-05 ± 2.077e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

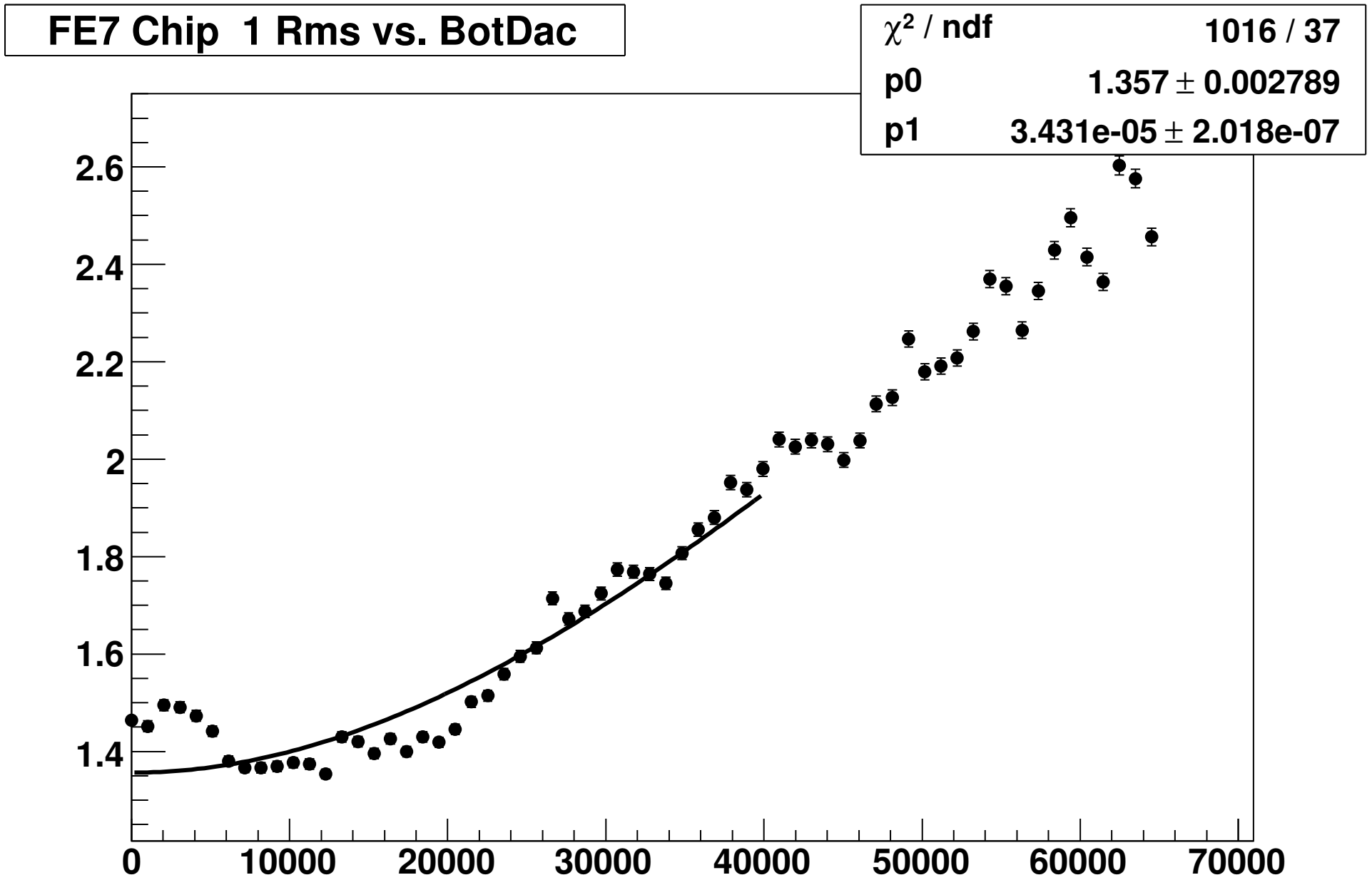

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.131e+05 / 37
p0 35.96 ± 0.005162
p1 0.4518 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1042 / 37
p0 1.373 ± 0.002814
p1 3.42e-05 ± 2.049e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 105.9 / 37
p0 36.33 ± 0.005189
p1 8.79e-07 ± 2.209e-07
36.44
36.42
36.4
36.38
36.36
36.34
36.32
36.3
36.28
36.26
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 23 / 37
p0 1.497 ± 0.002731
p1 2.101e-06 ± 2.648e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.221e+05 / 37
p0 34.56 ± 0.005111
p1 0.4518 ± 2.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1016 / 37
p0 1.357 ± 0.002789
p1 3.431e-05 ± 2.018e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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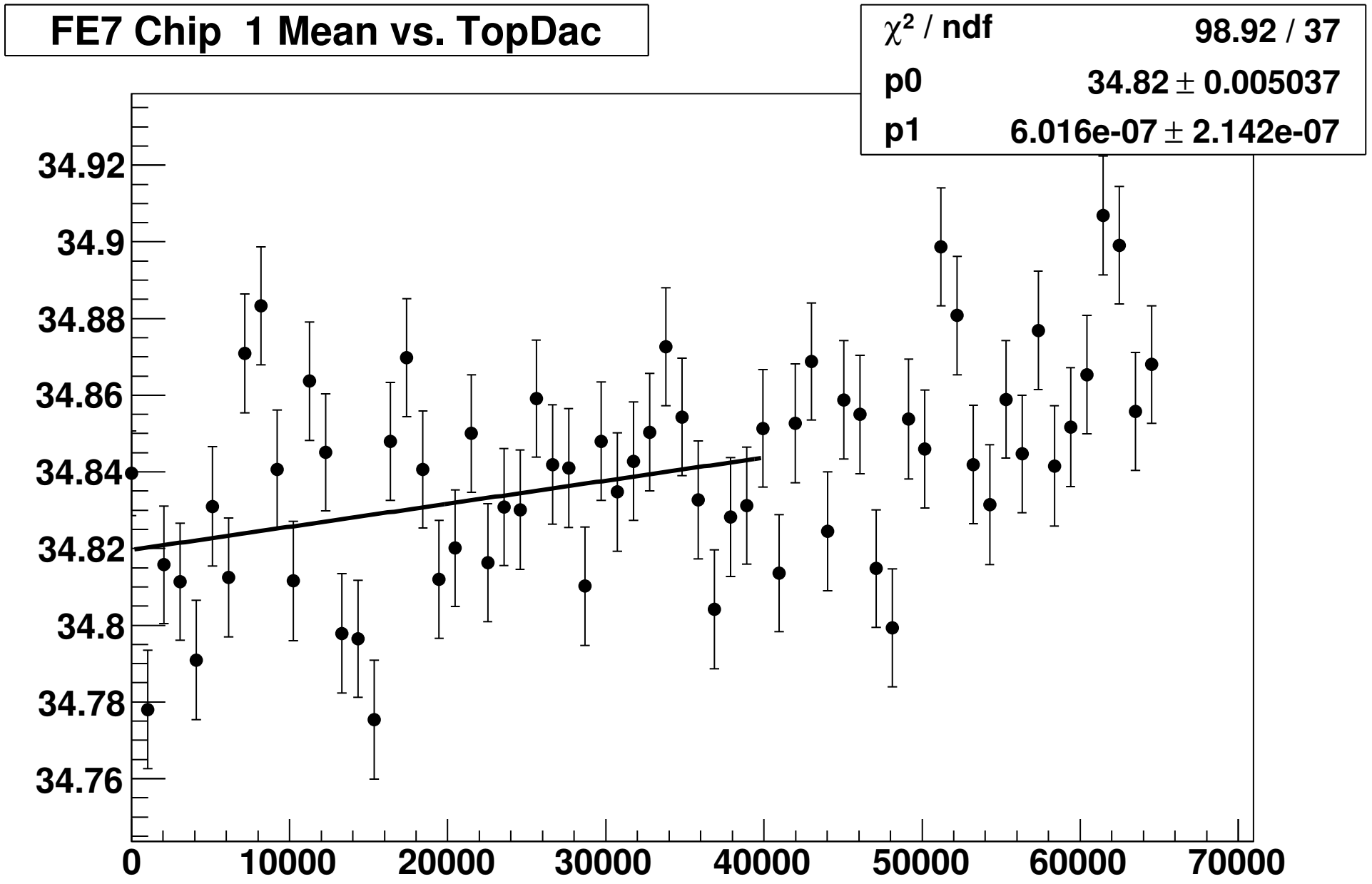
40000
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 98.92 / 37
p0 34.82 ± 0.005037
p1 6.016e-07 ± 2.142e-07
34.92
34.9
34.88
34.86
34.84
34.82
34.8
34.78
34.76
0
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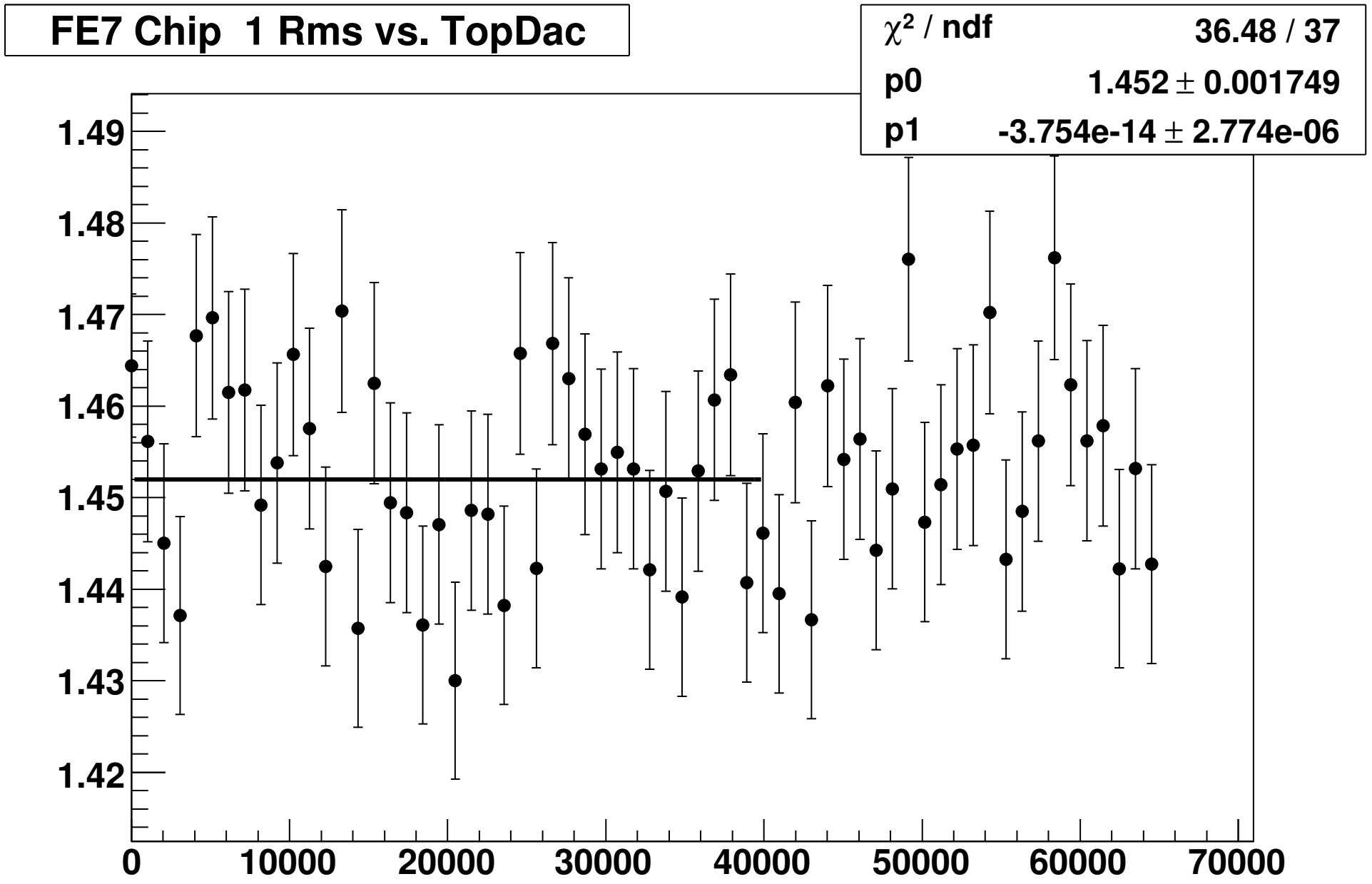
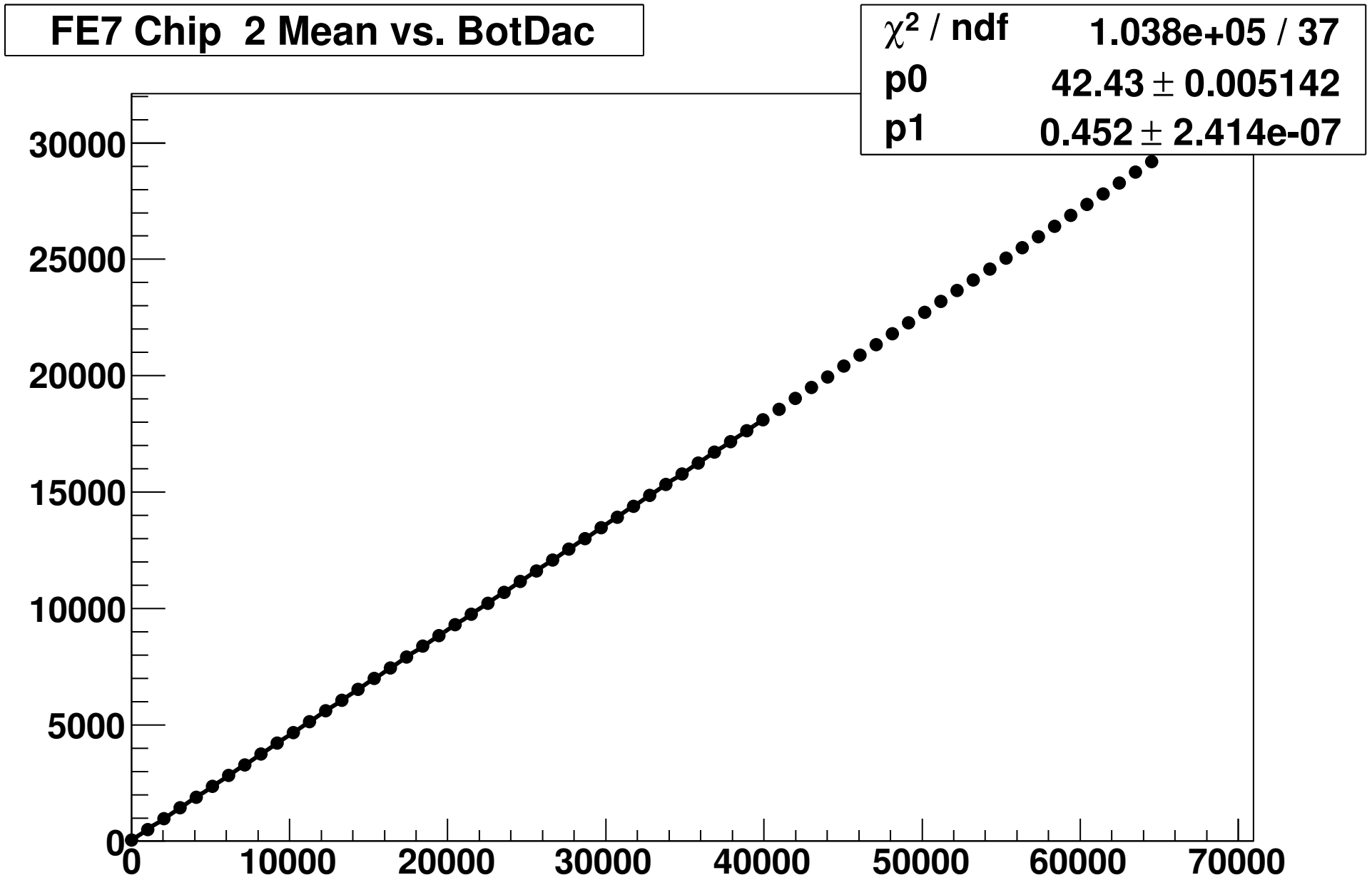
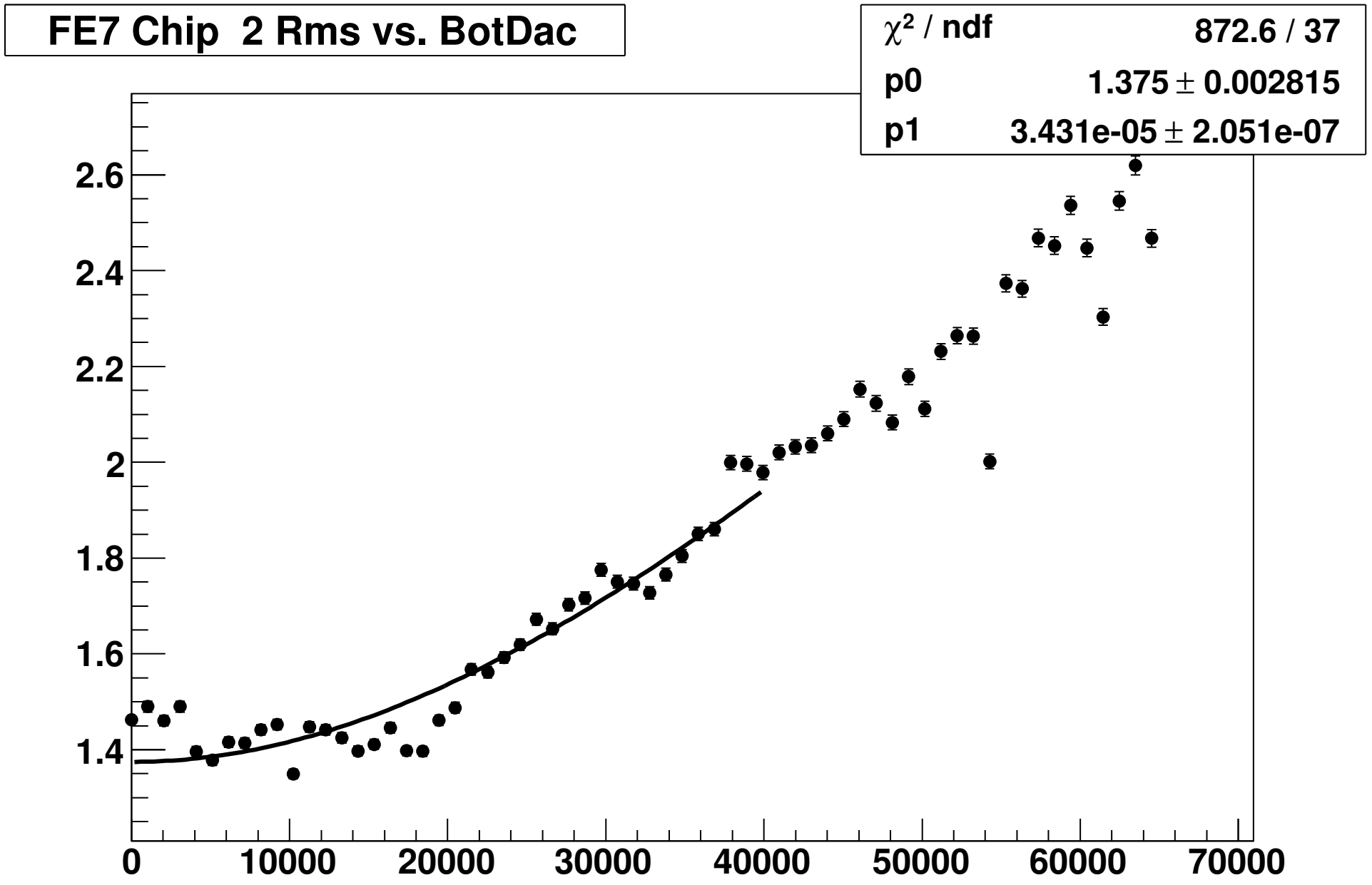
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 36.48 / 37
p0 1.452 ± 0.001749
p1 -3.754e-14 ± 2.774e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.038e+05 / 37
p0 42.43 ± 0.005142
p1 0.452 ± 2.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 872.6 / 37
p0 1.375 ± 0.002815
p1 3.431e-05 ± 2.051e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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60000
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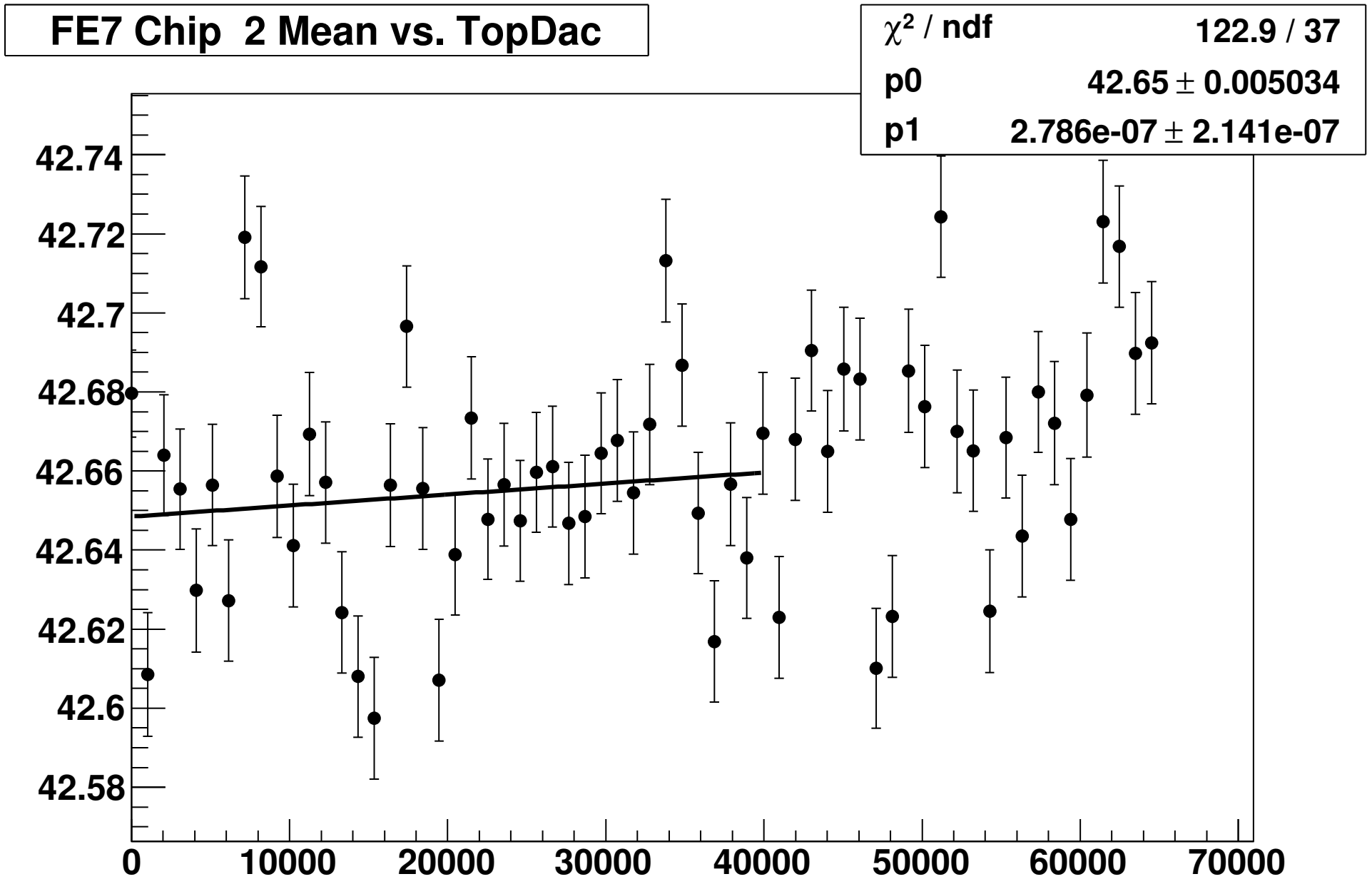
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 122.9 / 37
p0 42.65 ± 0.005034
p1 2.786e-07 ± 2.141e-07
42.74
42.72
42.7
42.68
42.66
42.64
42.62
42.6
42.58
0
10000
20000
30000
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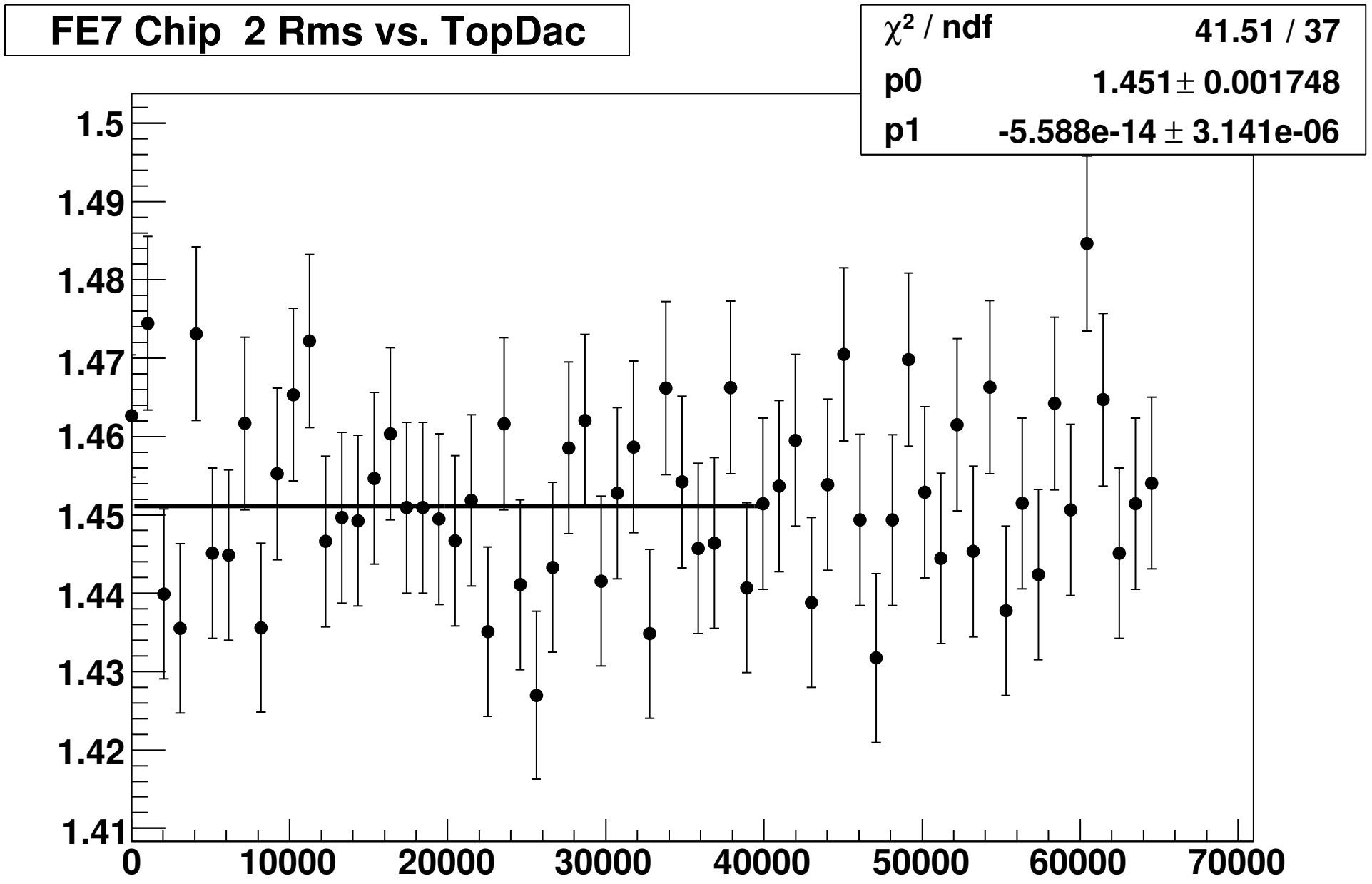
FE7 Chip 2 Rms vs. TopDac
χ² / ndf 41.51 / 37
p0 1.451 ± 0.001748
p1 -5.588e-14 ± 3.141e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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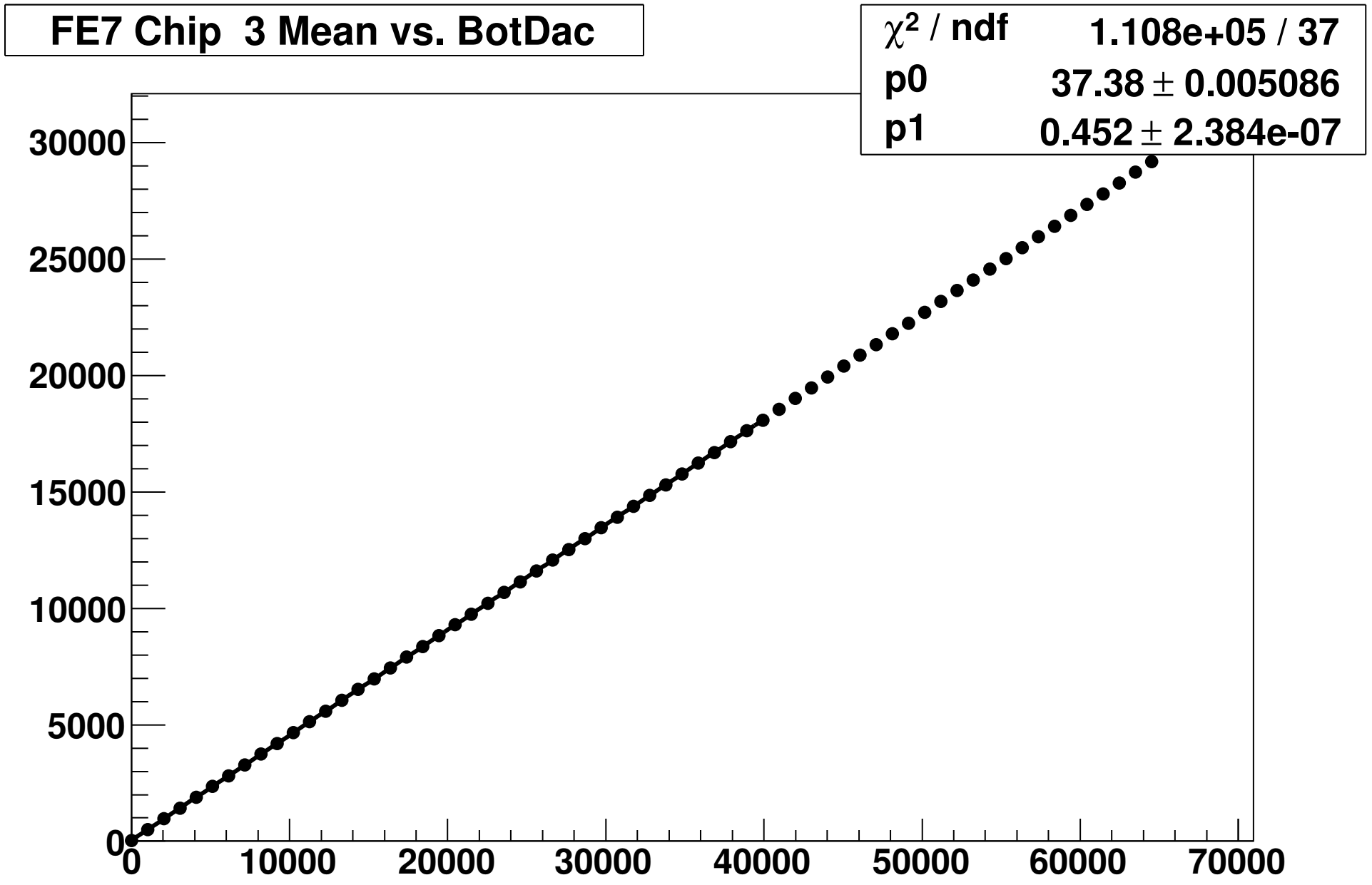
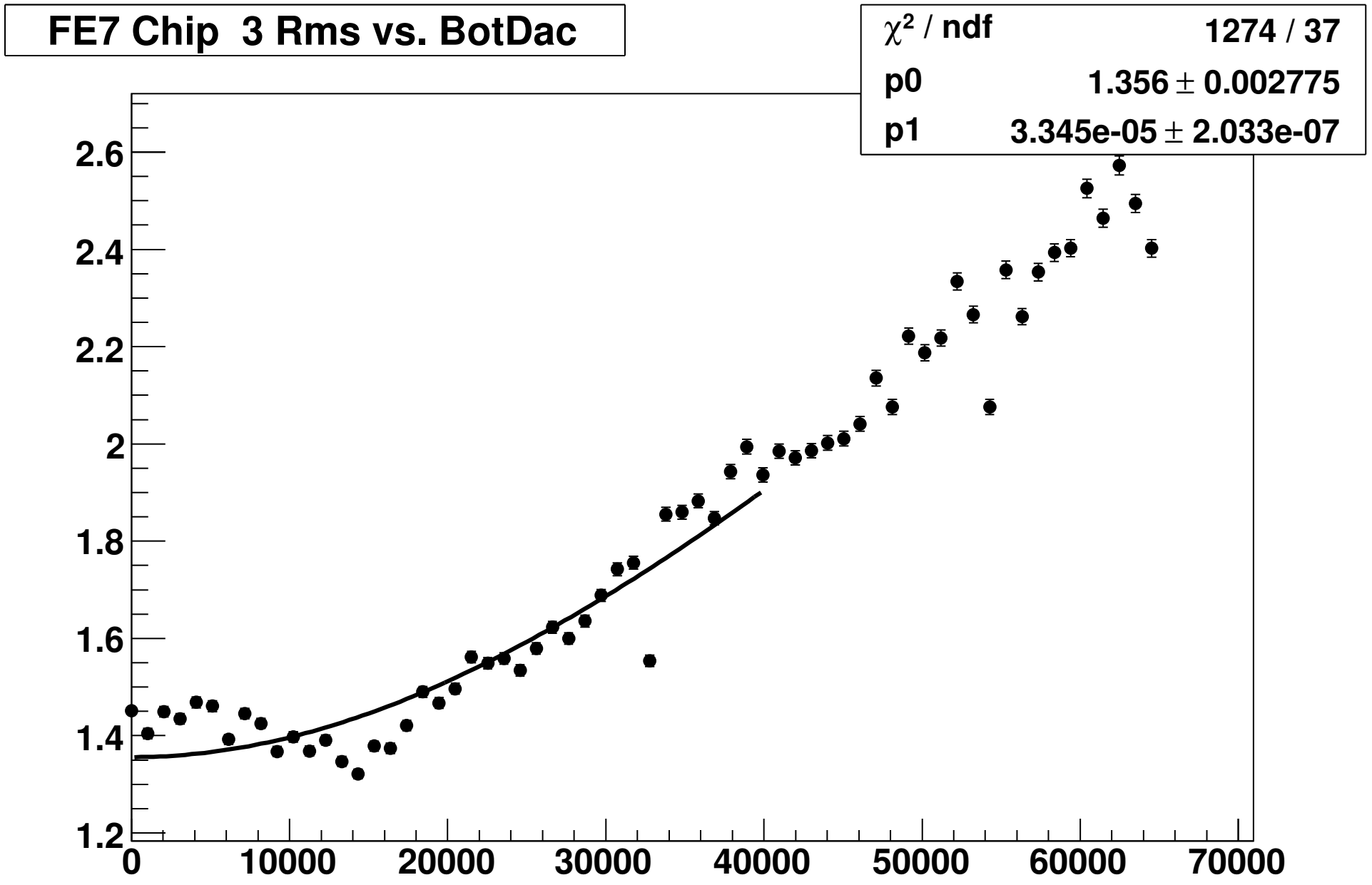

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.108e+05 / 37
p0 37.38 ± 0.005086
p1 0.452 ± 2.384e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1274 / 37
p0 1.356 ± 0.002775
p1 3.345e-05 ± 2.033e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
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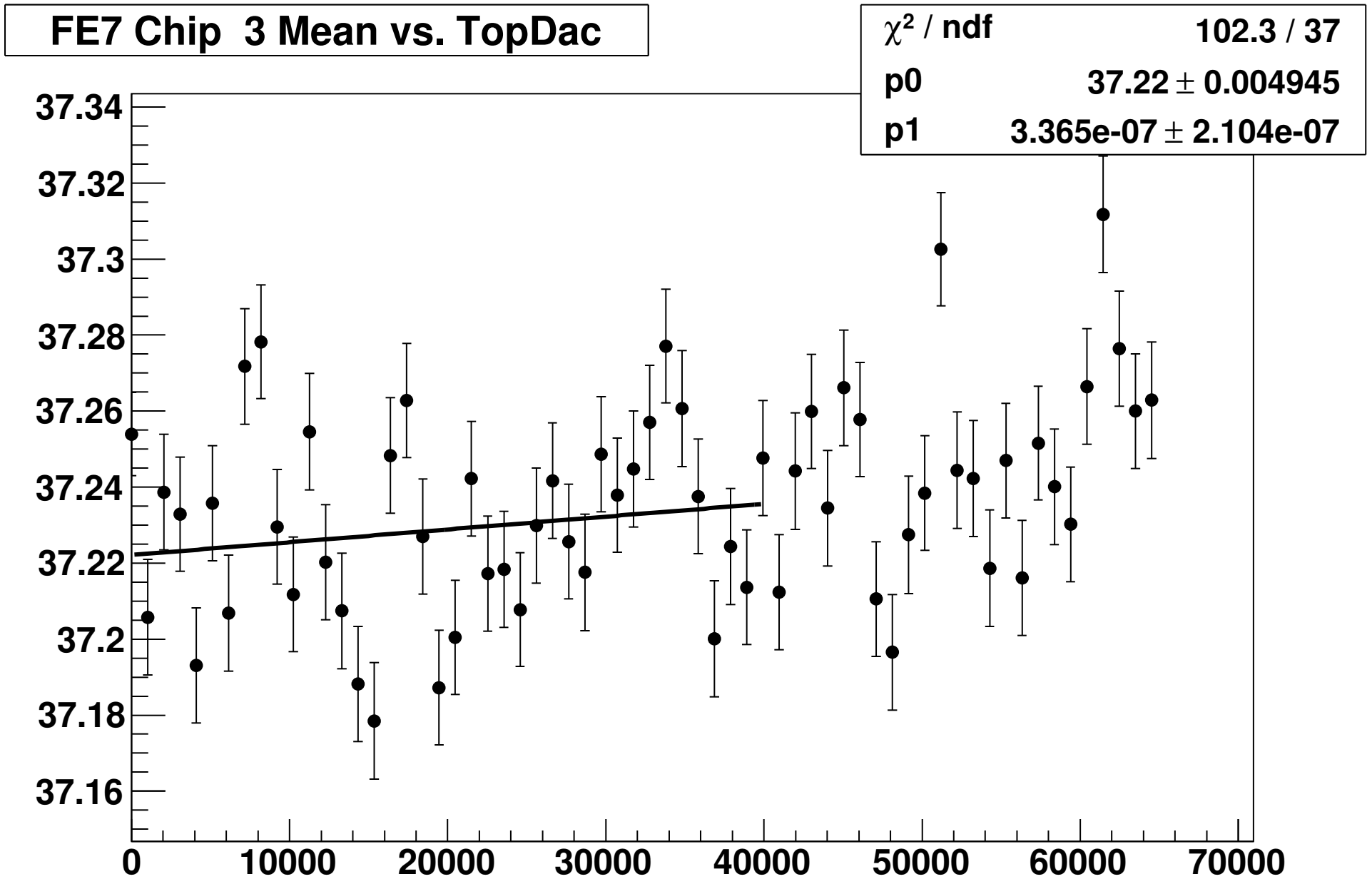
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 102.3 / 37
p0 37.22 ± 0.004945
p1 3.365e-07 ± 2.104e-07
37.34
37.32
37.3
37.28
37.26
37.24
37.22
37.2
37.18
37.16
0
10000
20000
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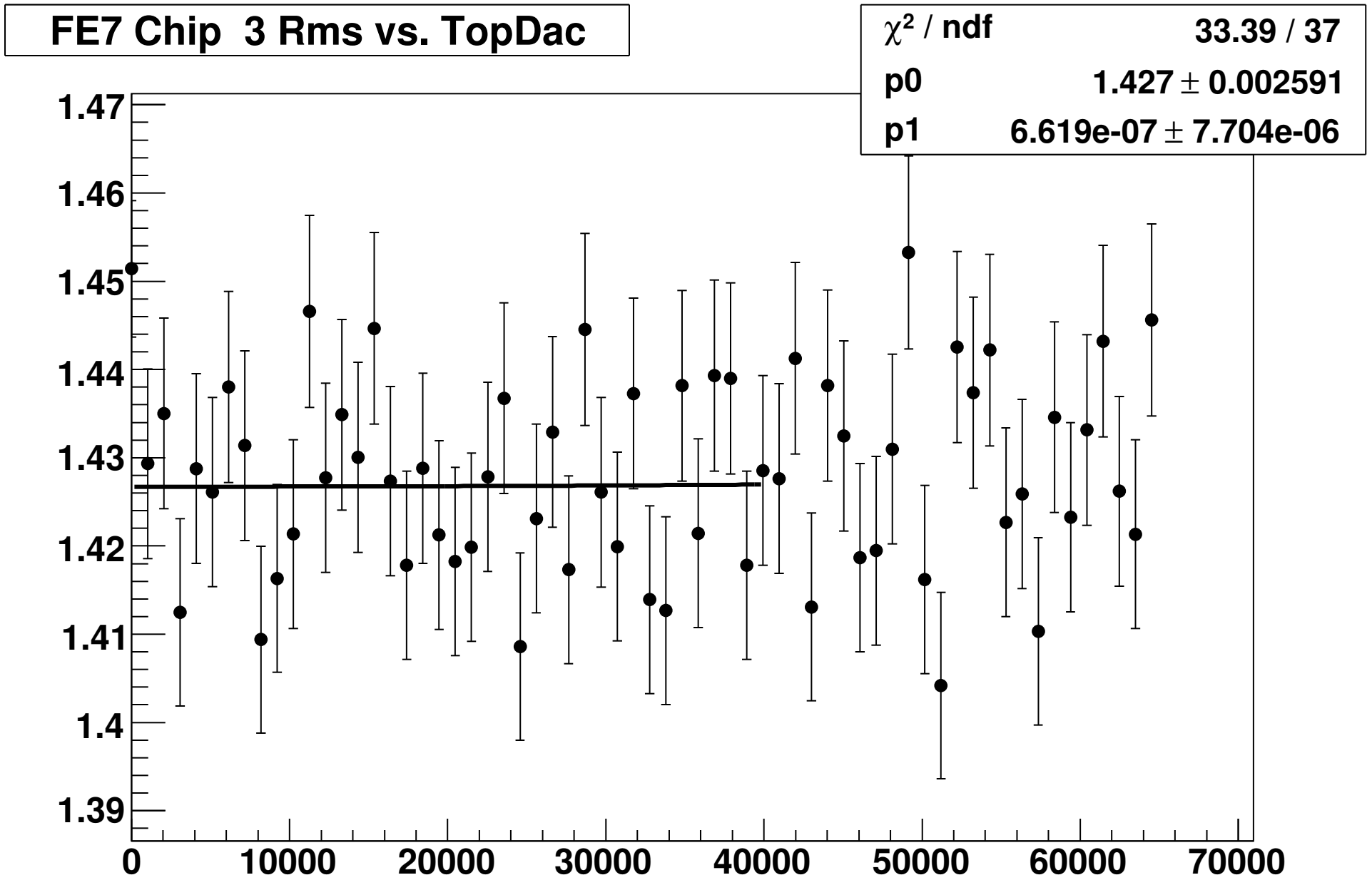
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 33.39 / 37
p0 1.427 ± 0.002591
p1 6.619e-07 ± 7.704e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
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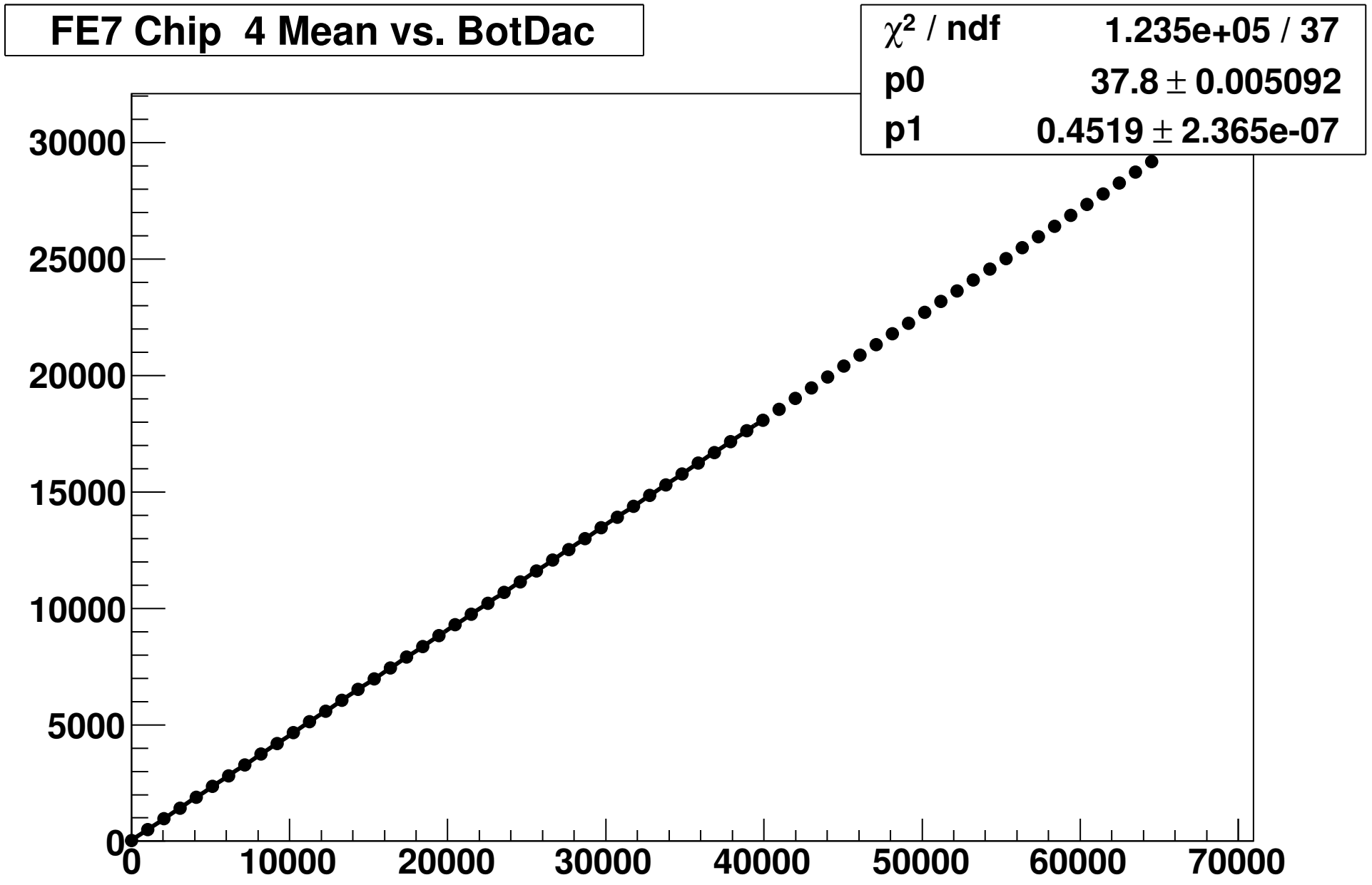
FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.235e+05 / 37
p0 37.8 ± 0.005092
p1 0.4519 ± 2.365e-07
30000
25000
20000
15000
10000
5000
0
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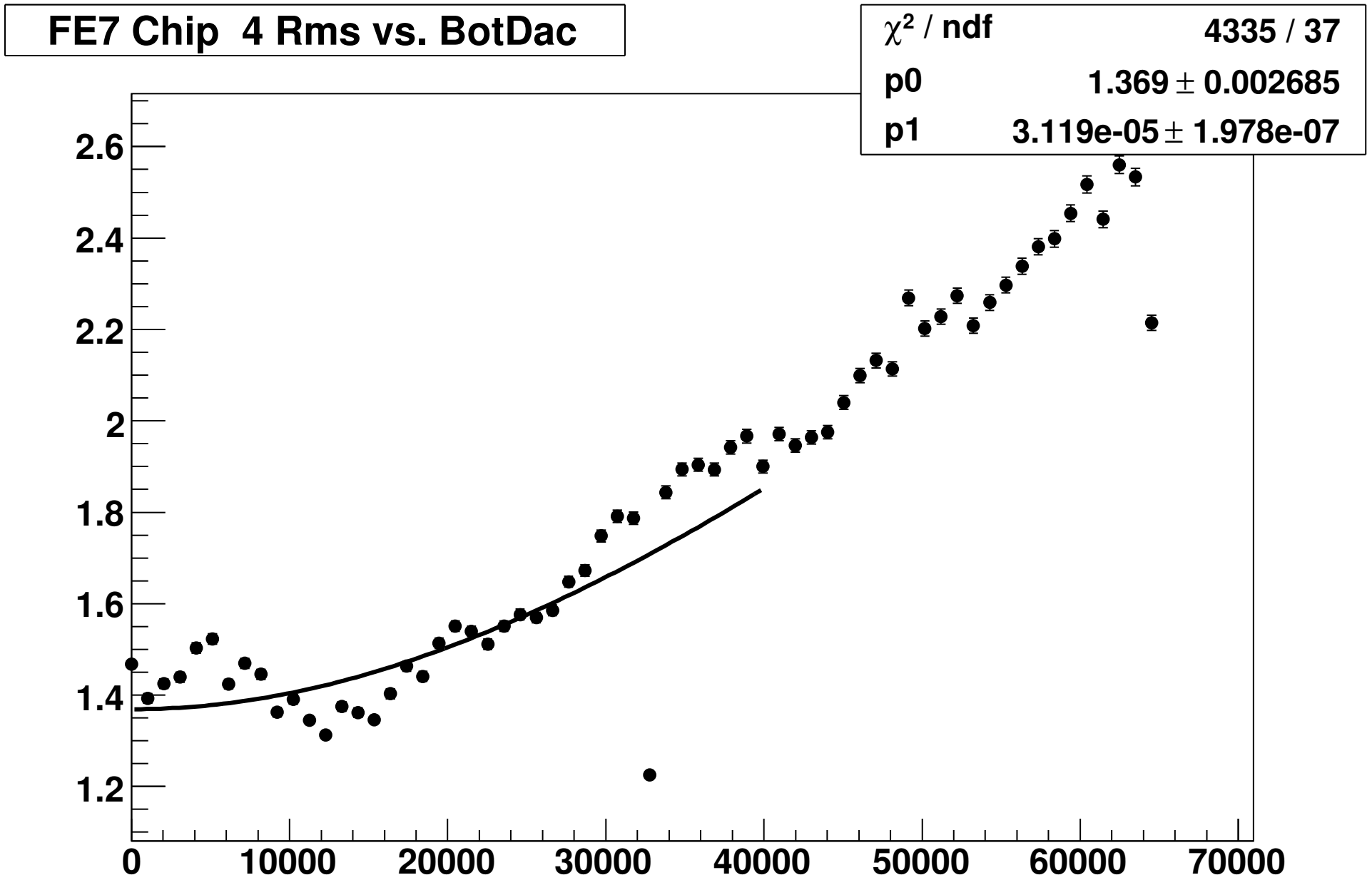
FE7 Chip 4 Rms vs. BotDac
χ² / ndf 4335 / 37
p0 1.369 ± 0.002685
p1 3.119e-05 ± 1.978e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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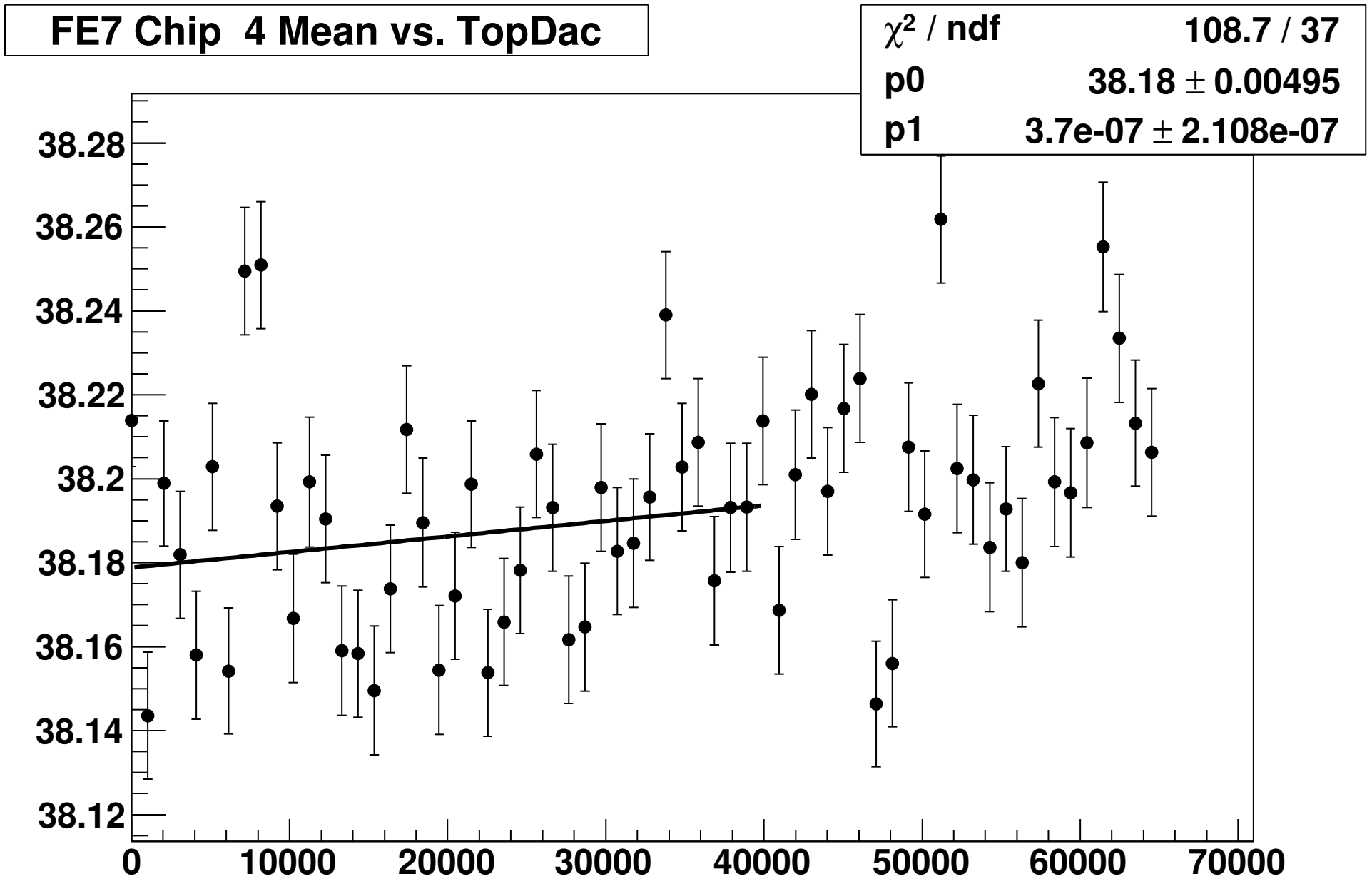
FE7 Chip 4 Mean vs. TopDac
χ² / ndf 108.7 / 37
p0 38.18 ± 0.00495
p1 3.7e-07 ± 2.108e-07
38.28
38.26
38.24
38.22
38.2
38.18
38.16
38.14
38.12
0
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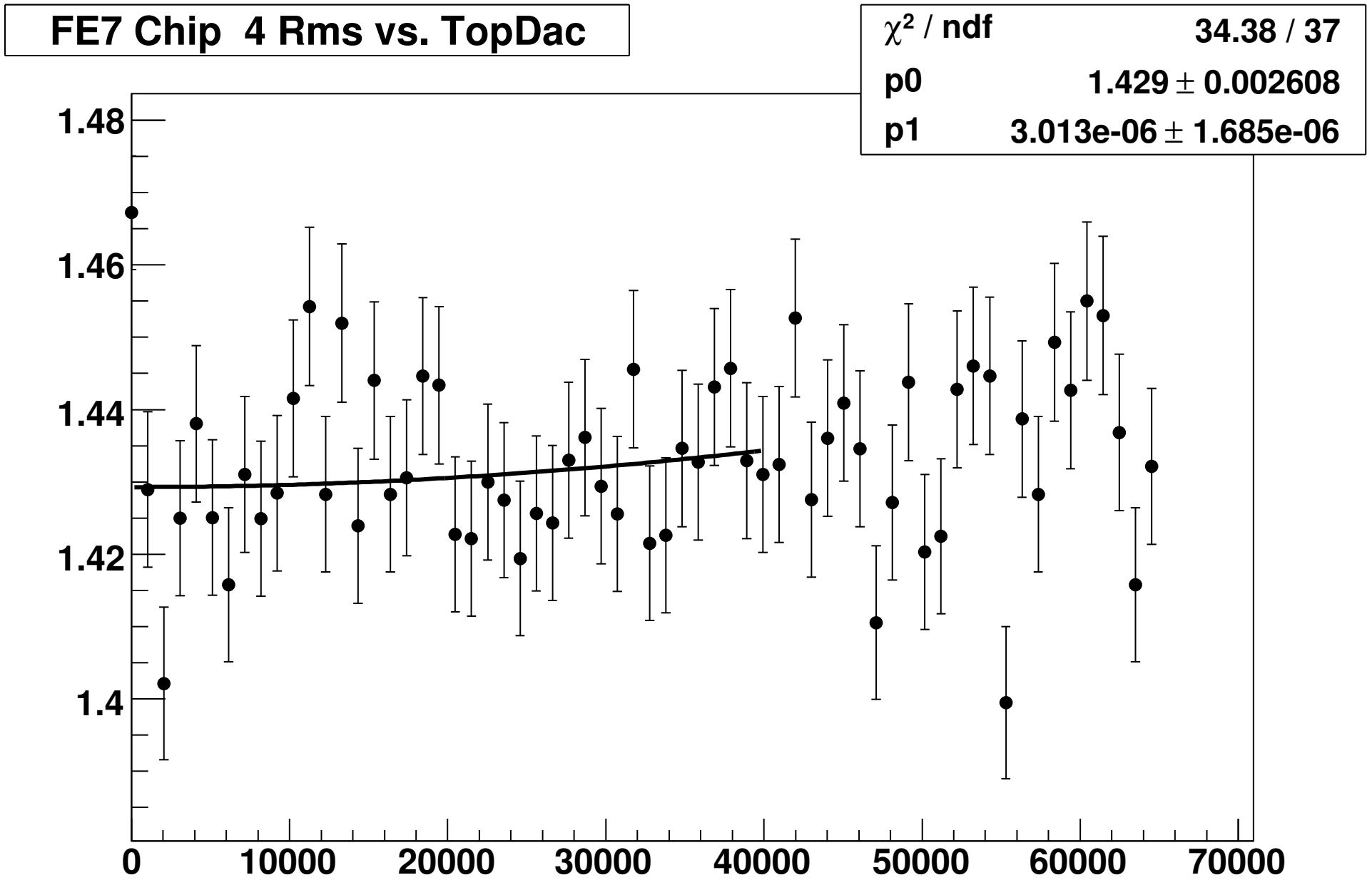
FE7 Chip 4 Rms vs. TopDac
χ² / ndf 34.38 / 37
p0 1.429 ± 0.002608
p1 3.013e-06 ± 1.685e-06
1.48
1.46
1.44
1.42
1.4
0
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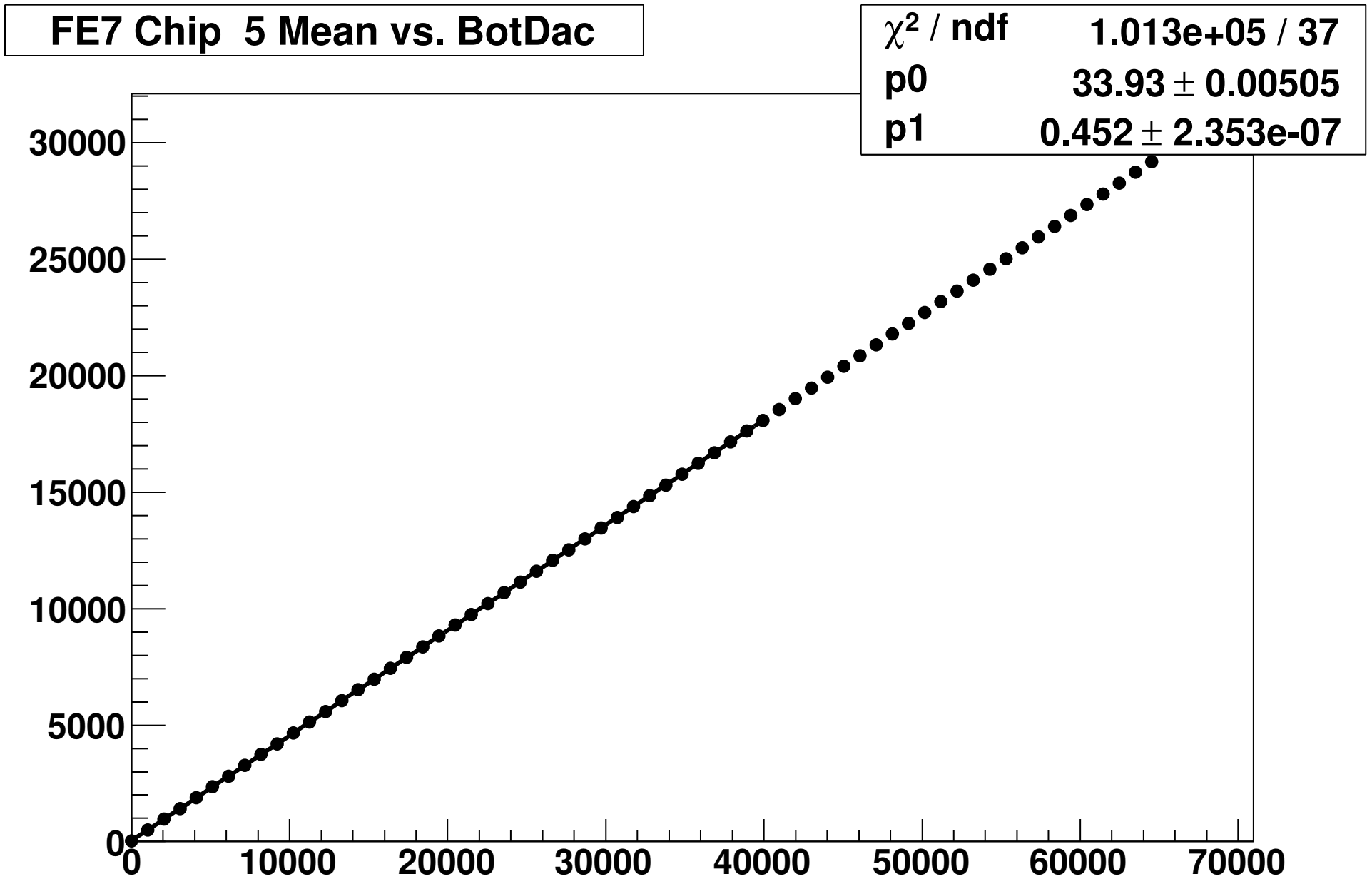
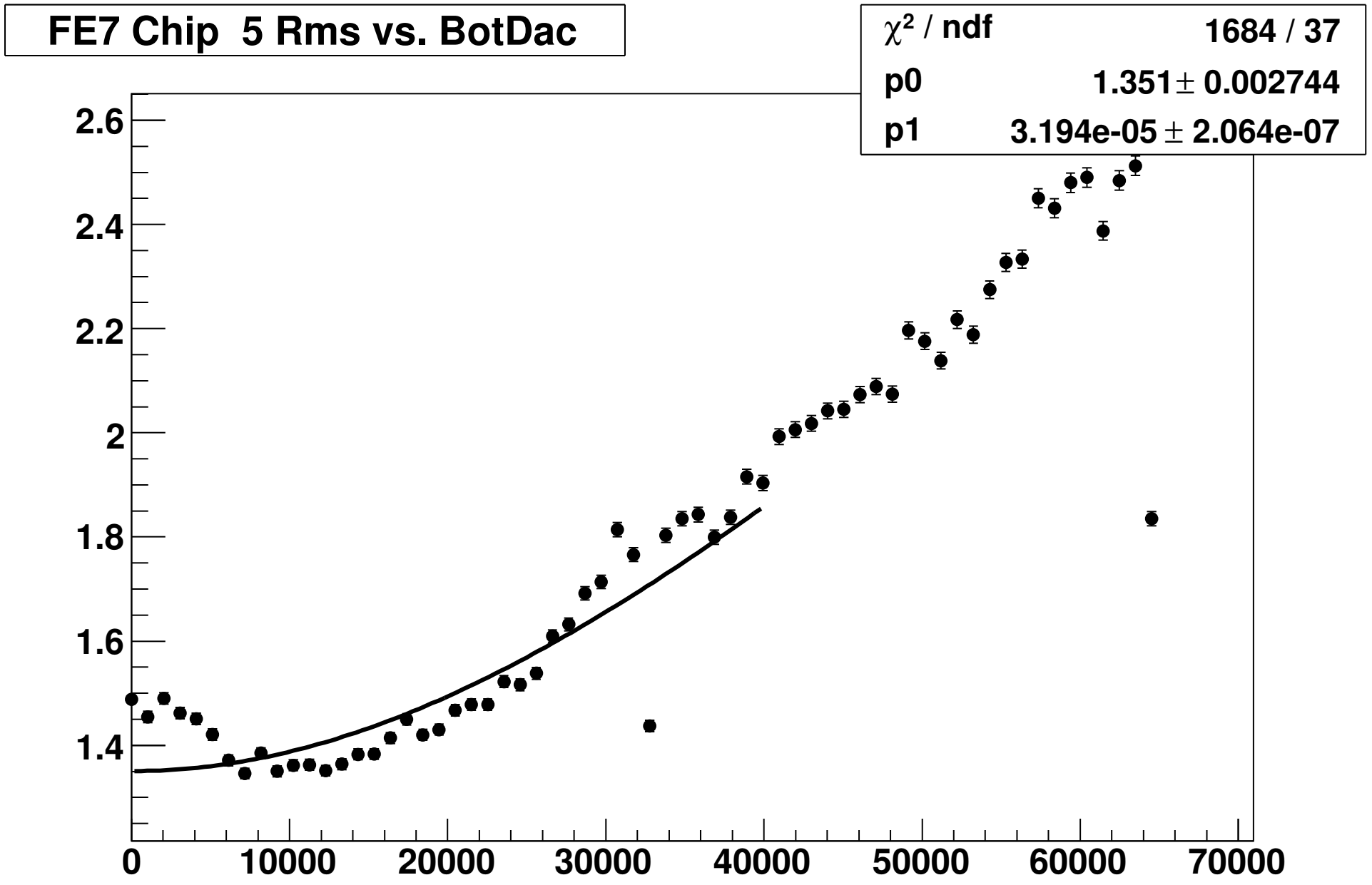

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.013e+05 / 37
p0 33.93 ± 0.00505
p1 0.452 ± 2.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1684 / 37
p0 1.351 ± 0.002744
p1 3.194e-05 ± 2.064e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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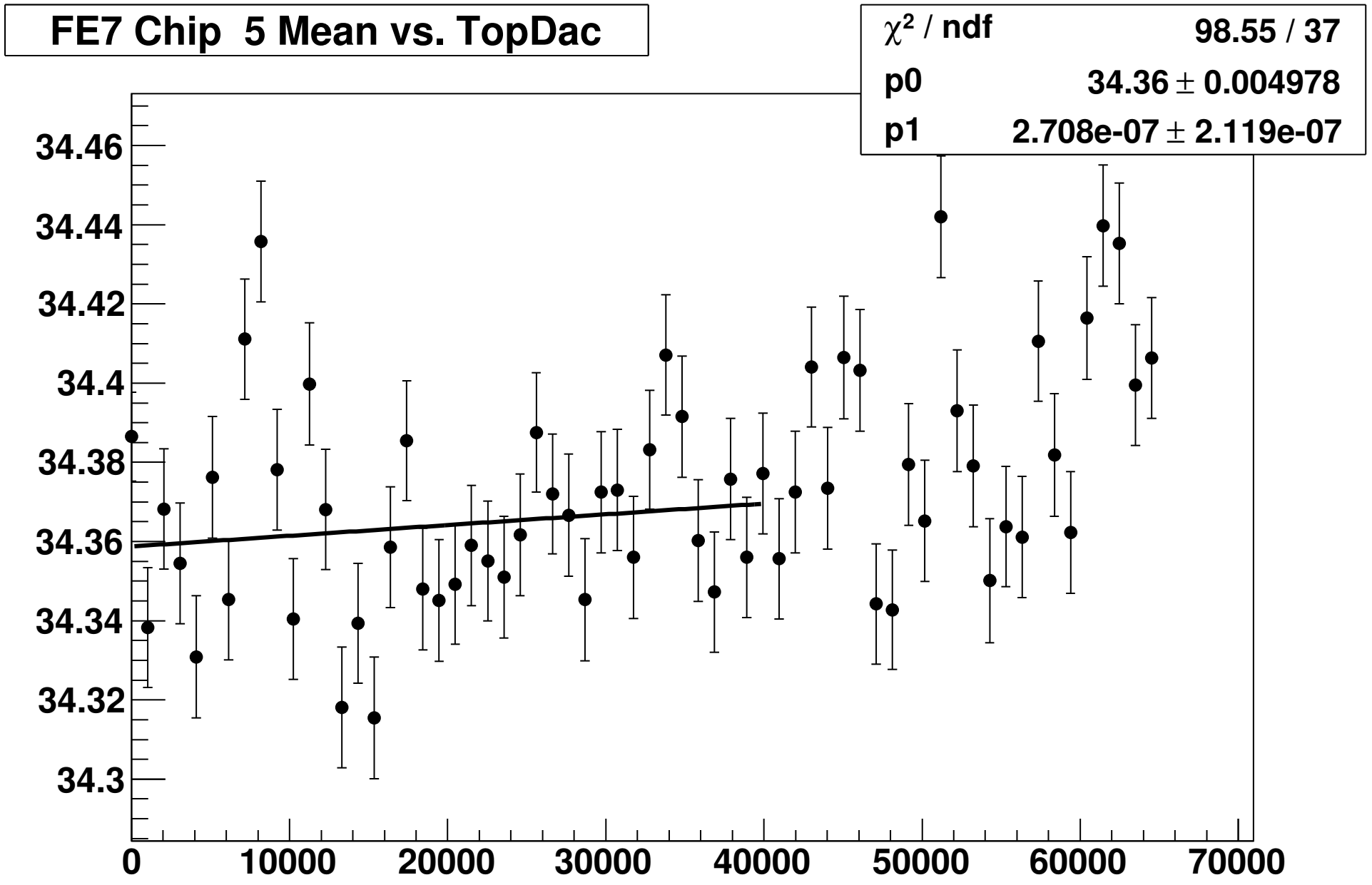
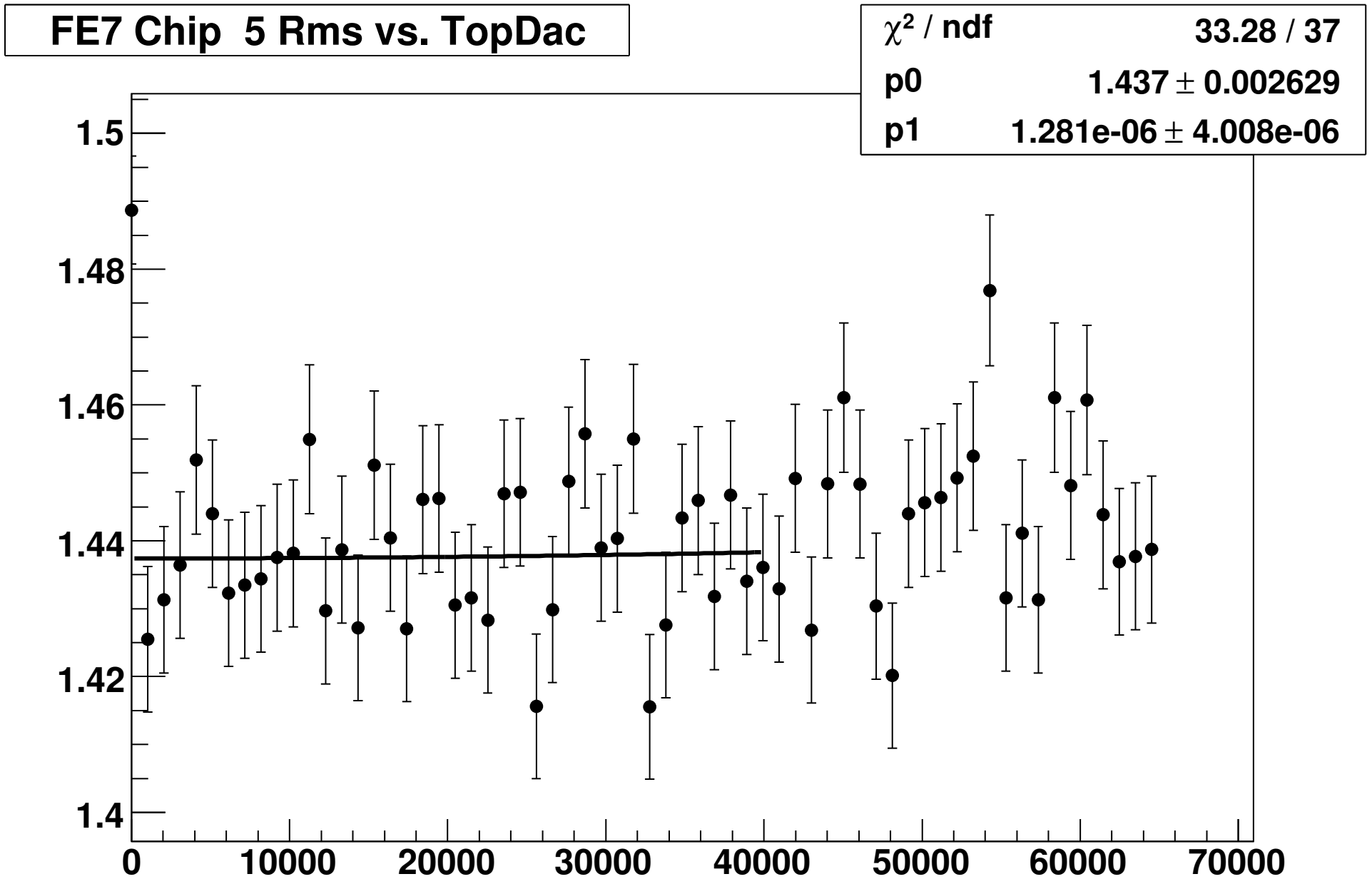

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 98.55 / 37
p0 34.36 ± 0.004978
p1 2.708e-07 ± 2.119e-07
34.46
34.44
34.42
34.4
34.38
34.36
34.34
34.32
34.3
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. TopDac
χ² / ndf 33.28 / 37
p0 1.437 ± 0.002629
p1 1.281e-06 ± 4.008e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
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40000
50000
60000
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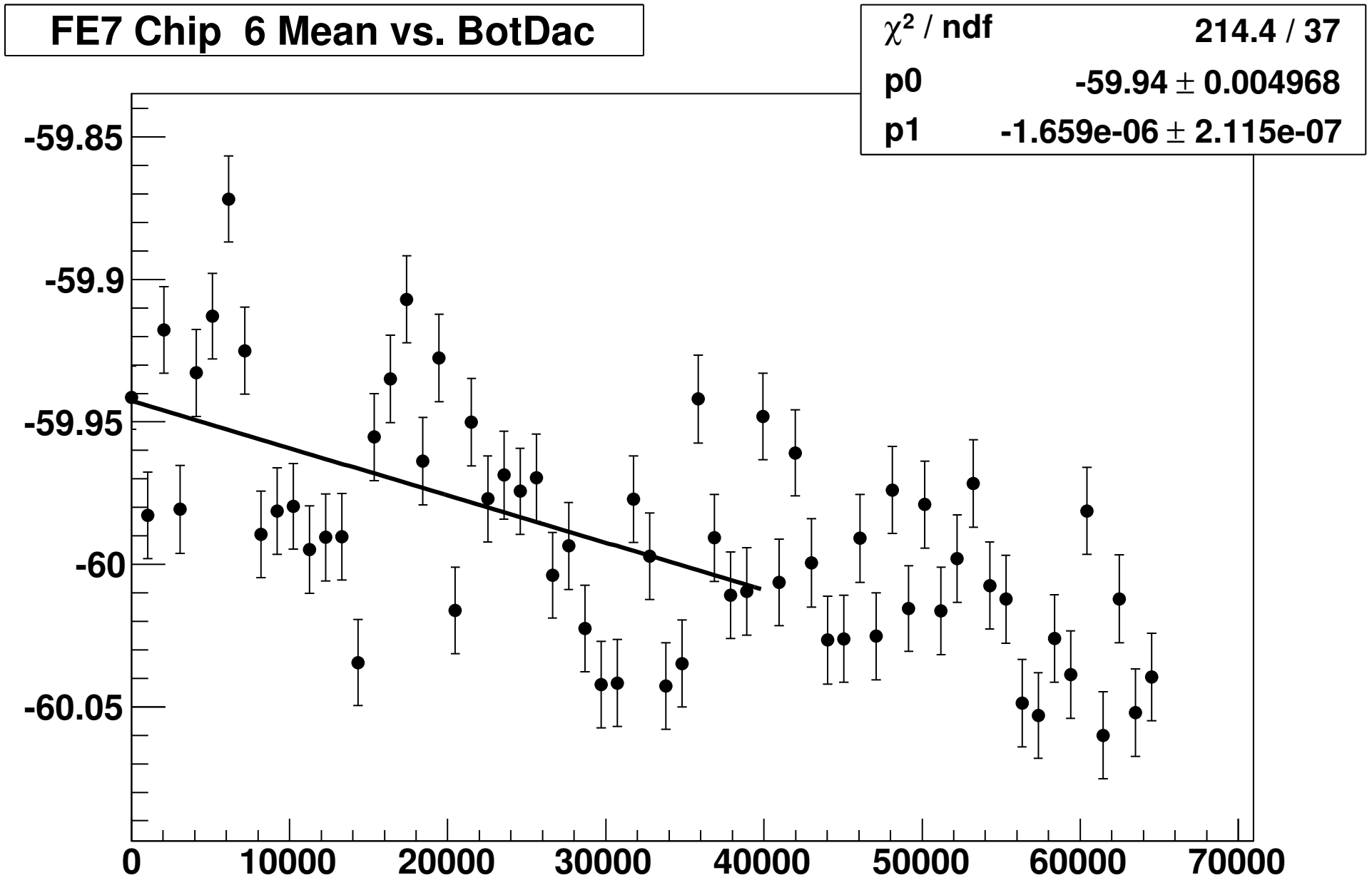
FE7 Chip 6 Mean vs. BotDac
χ² / ndf 214.4 / 37
p0 -59.94 ± 0.004968
p1 -1.659e-06 ± 2.115e-07
-59.85
-59.9
-59.95
-60
-60.05
0
10000
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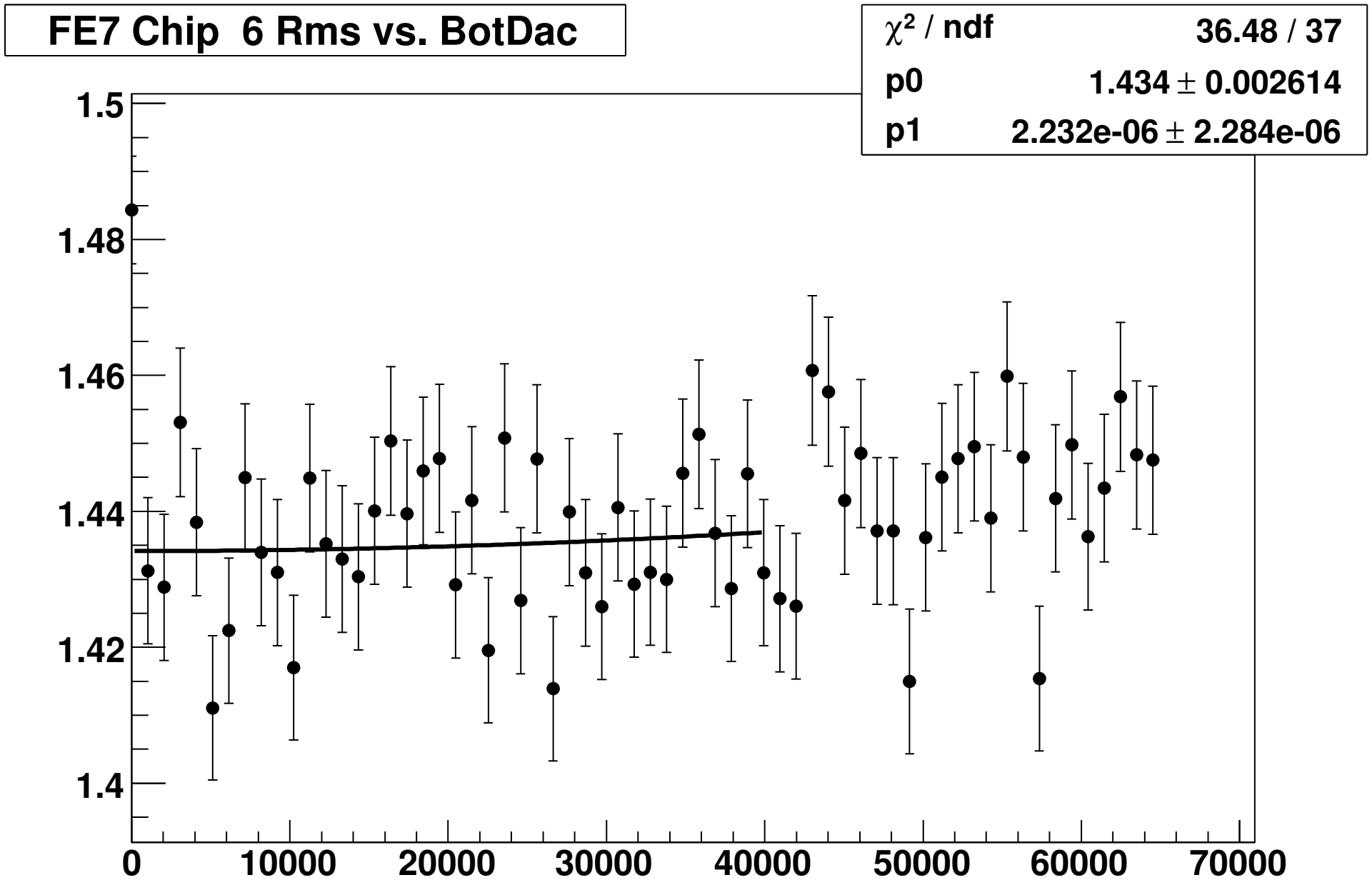
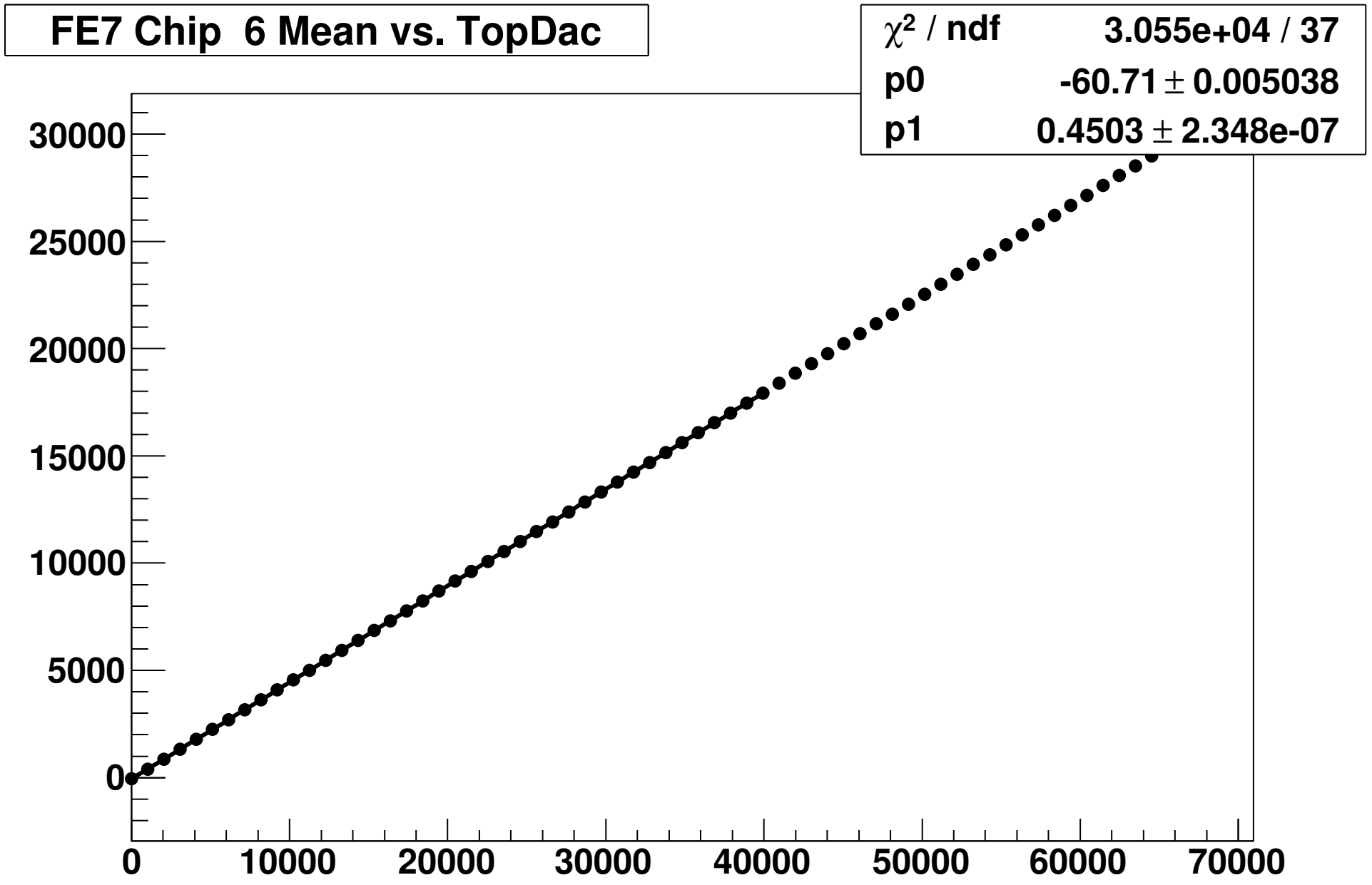
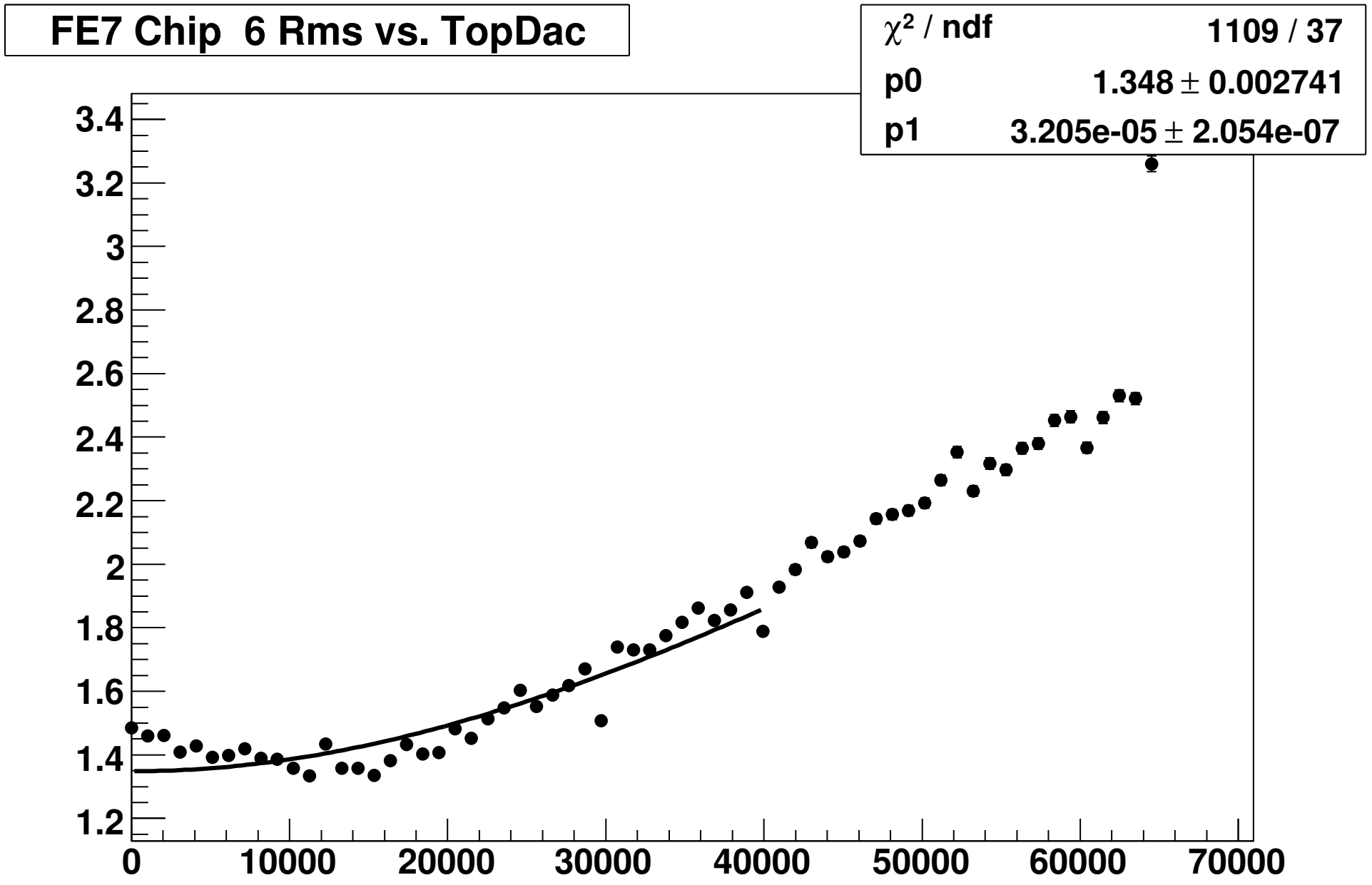
50000
60000
70000


FE7 Chip 6 Rms vs. BotDac
χ² / ndf 36.48 / 37
p0 1.434 ± 0.002614
p1 2.232e-06 ± 2.284e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Mean vs. TopDac
χ² / ndf 3.055e+04 / 37
p0 -60.71 ± 0.005038
p1 0.4503 ± 2.348e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1109 / 37
p0 1.348 ± 0.002741
p1 3.205e-05 ± 2.054e-07
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
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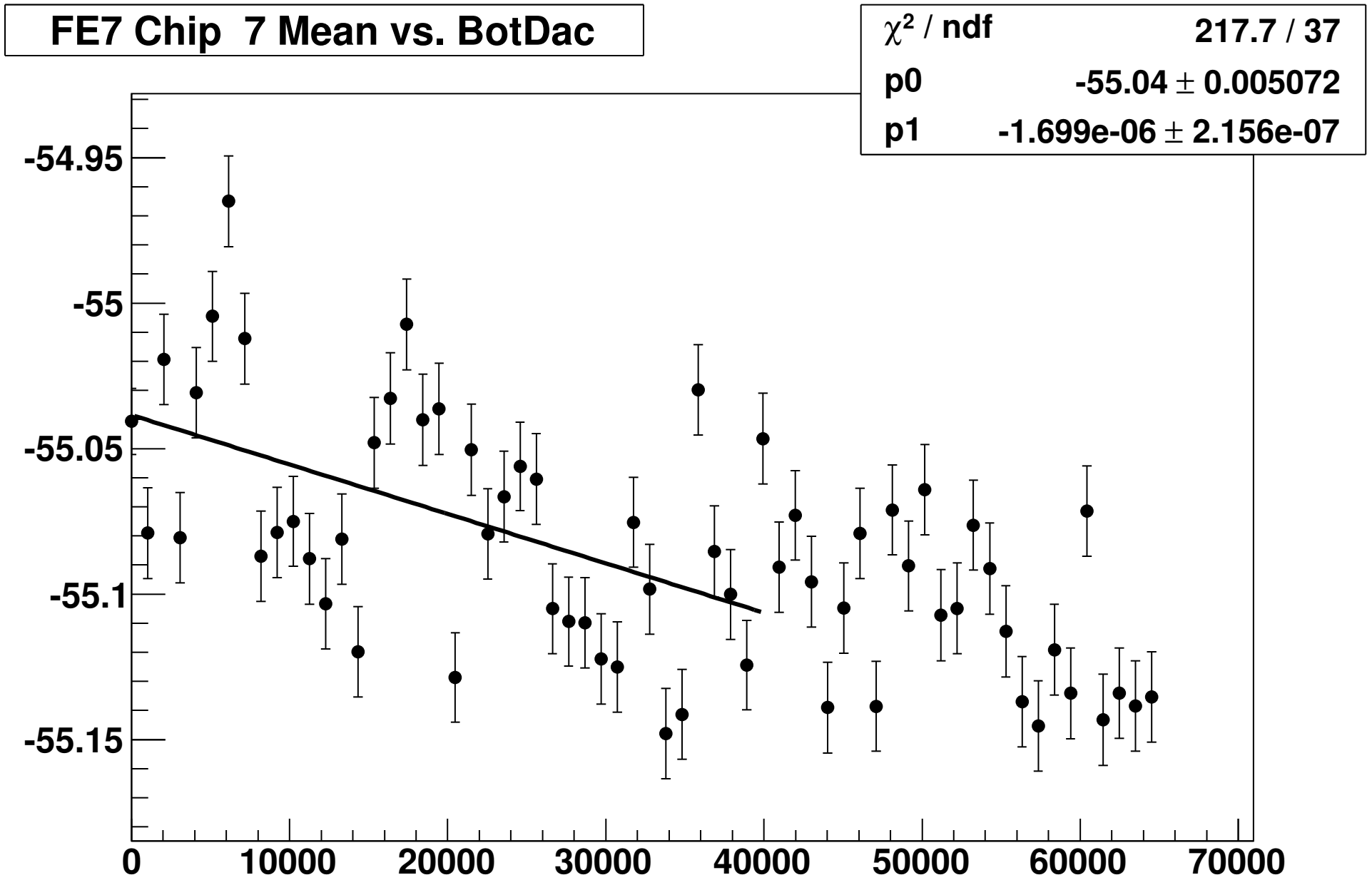
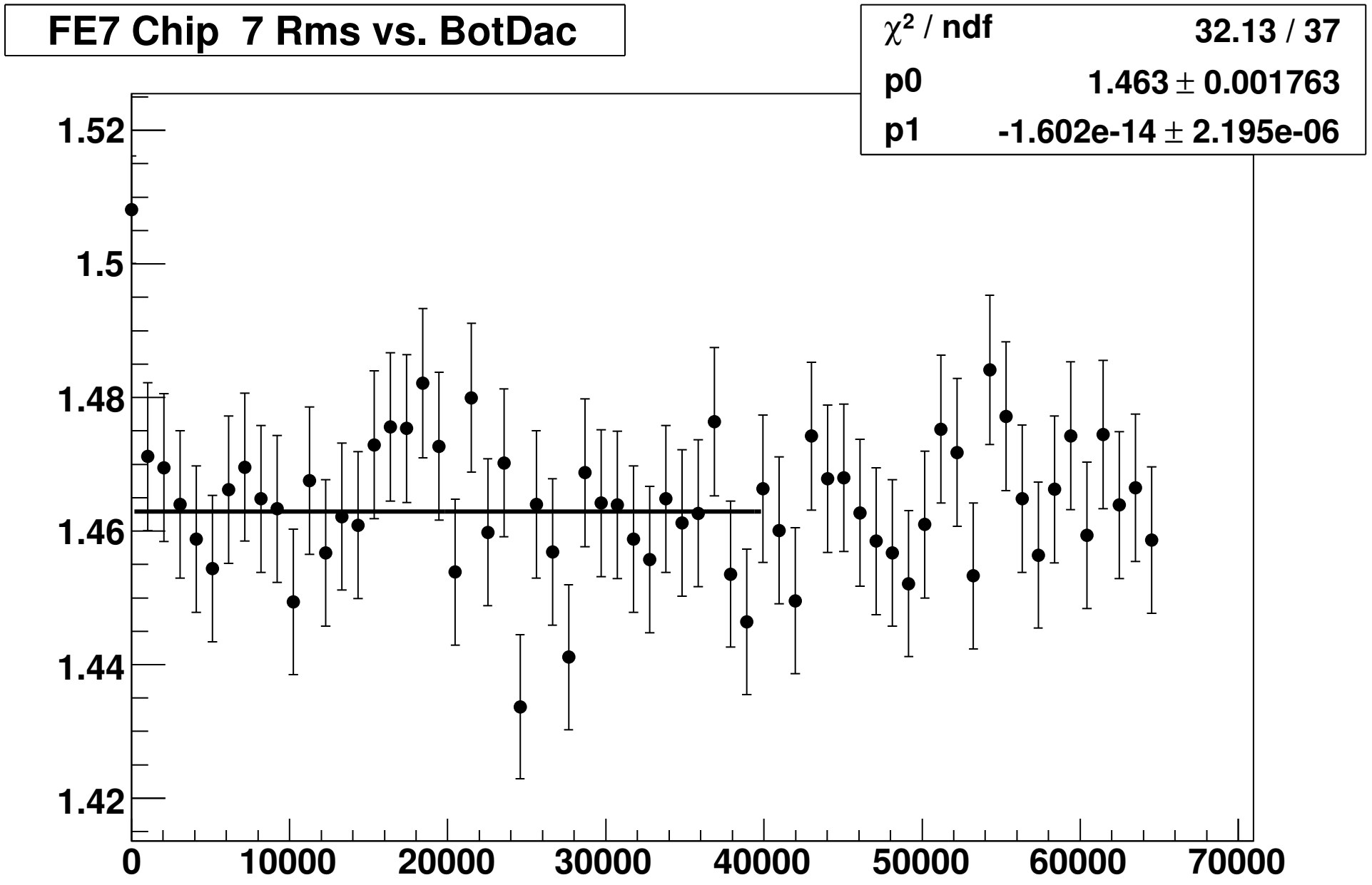
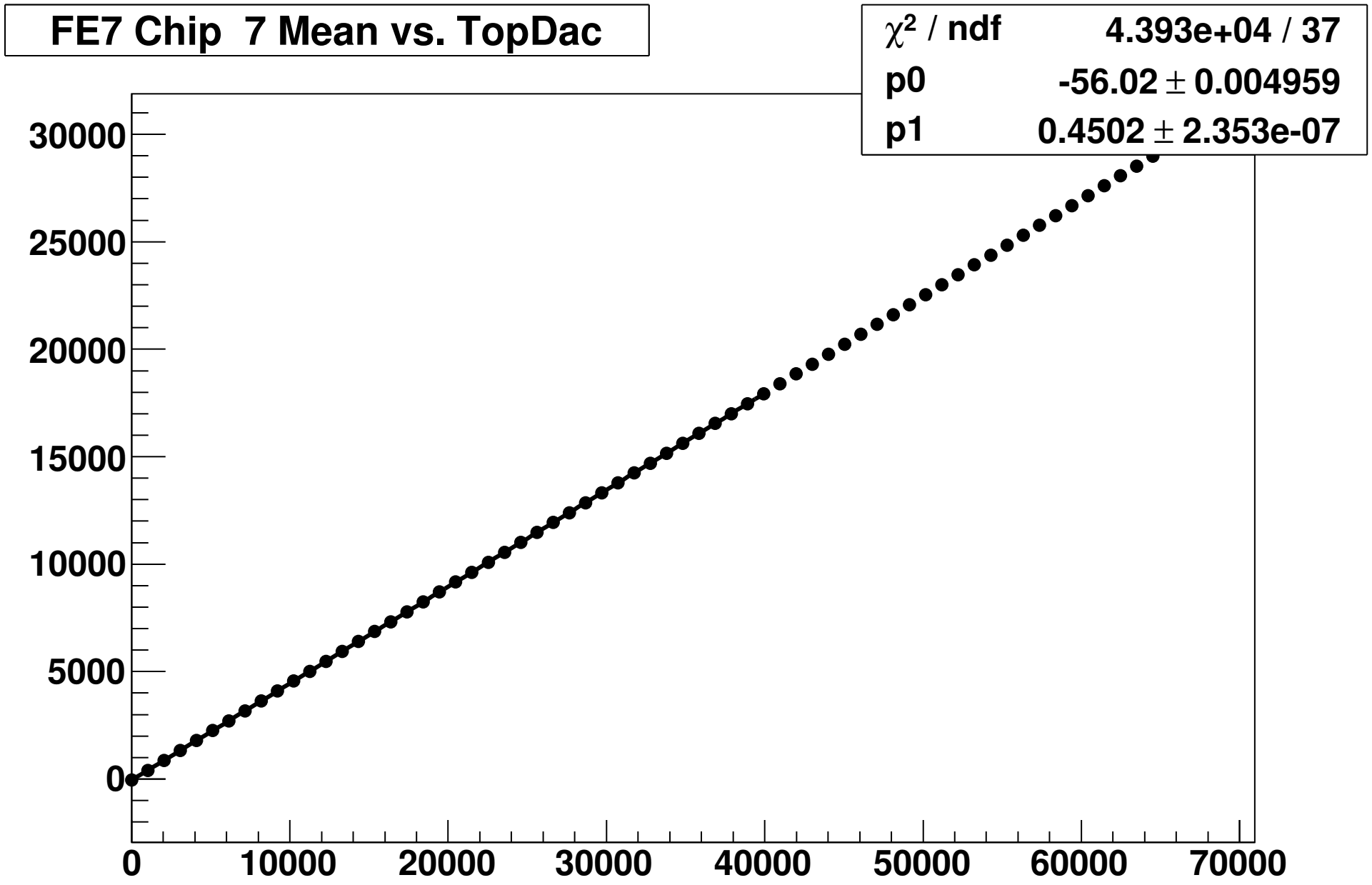
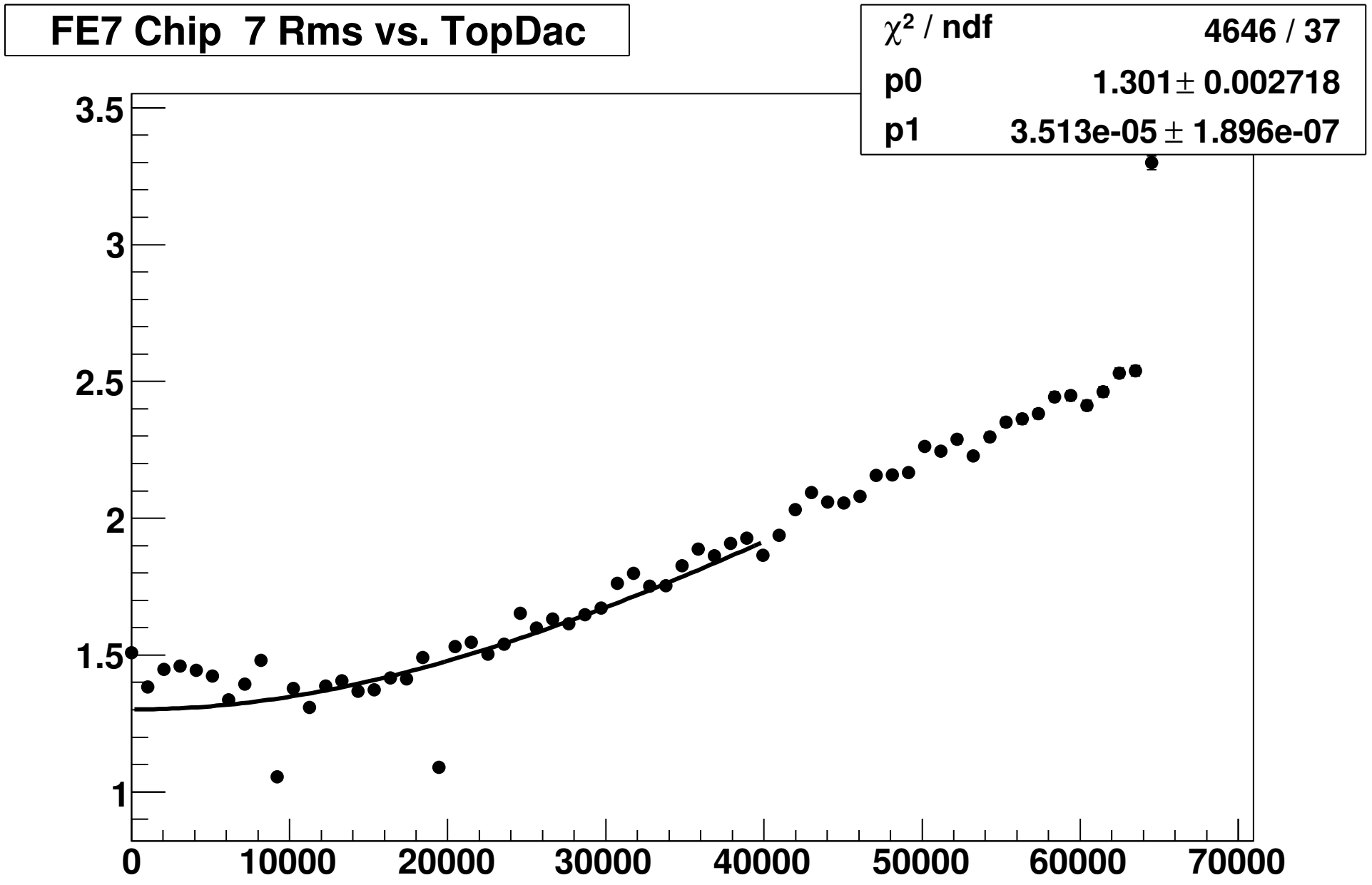
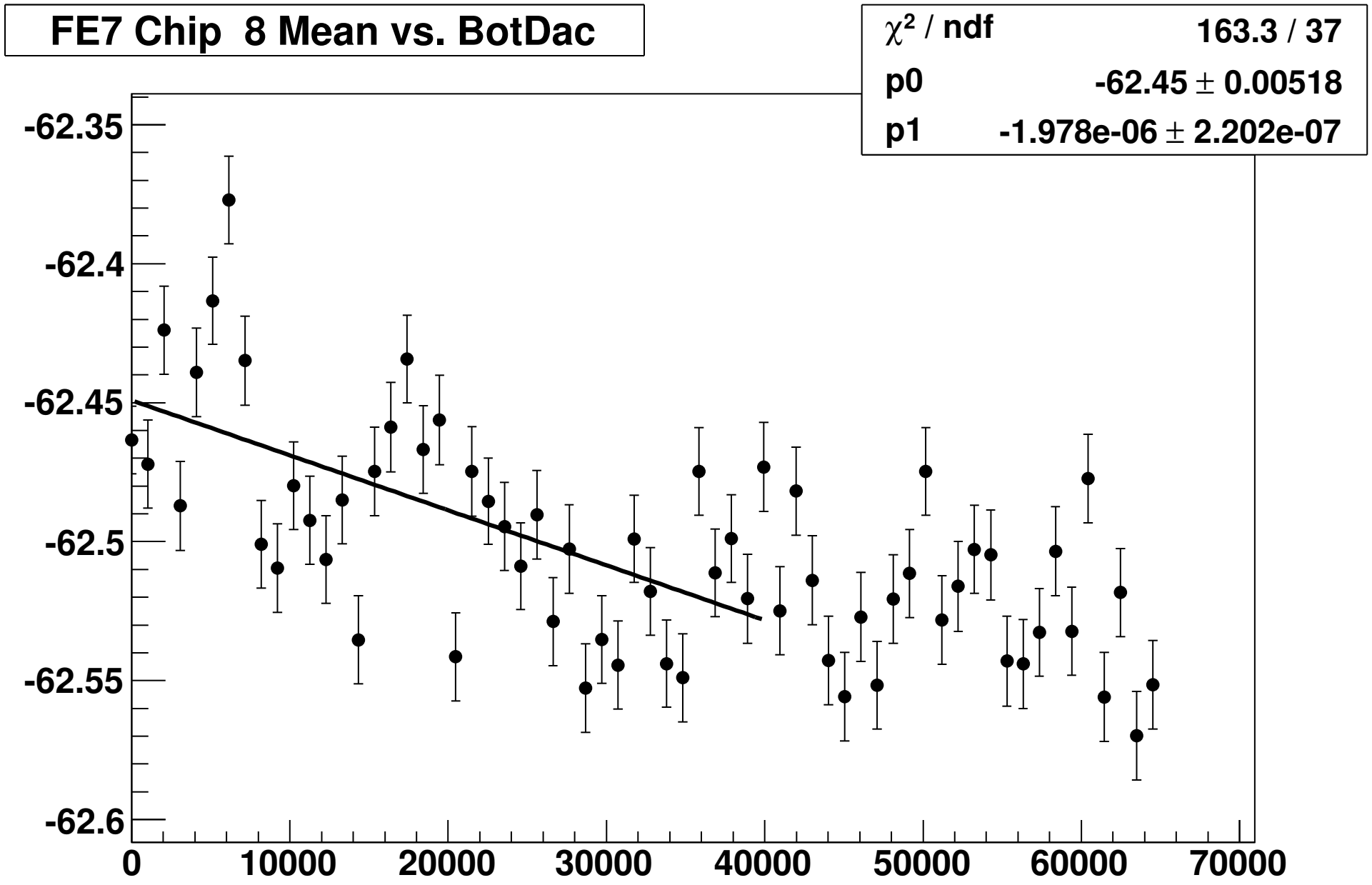
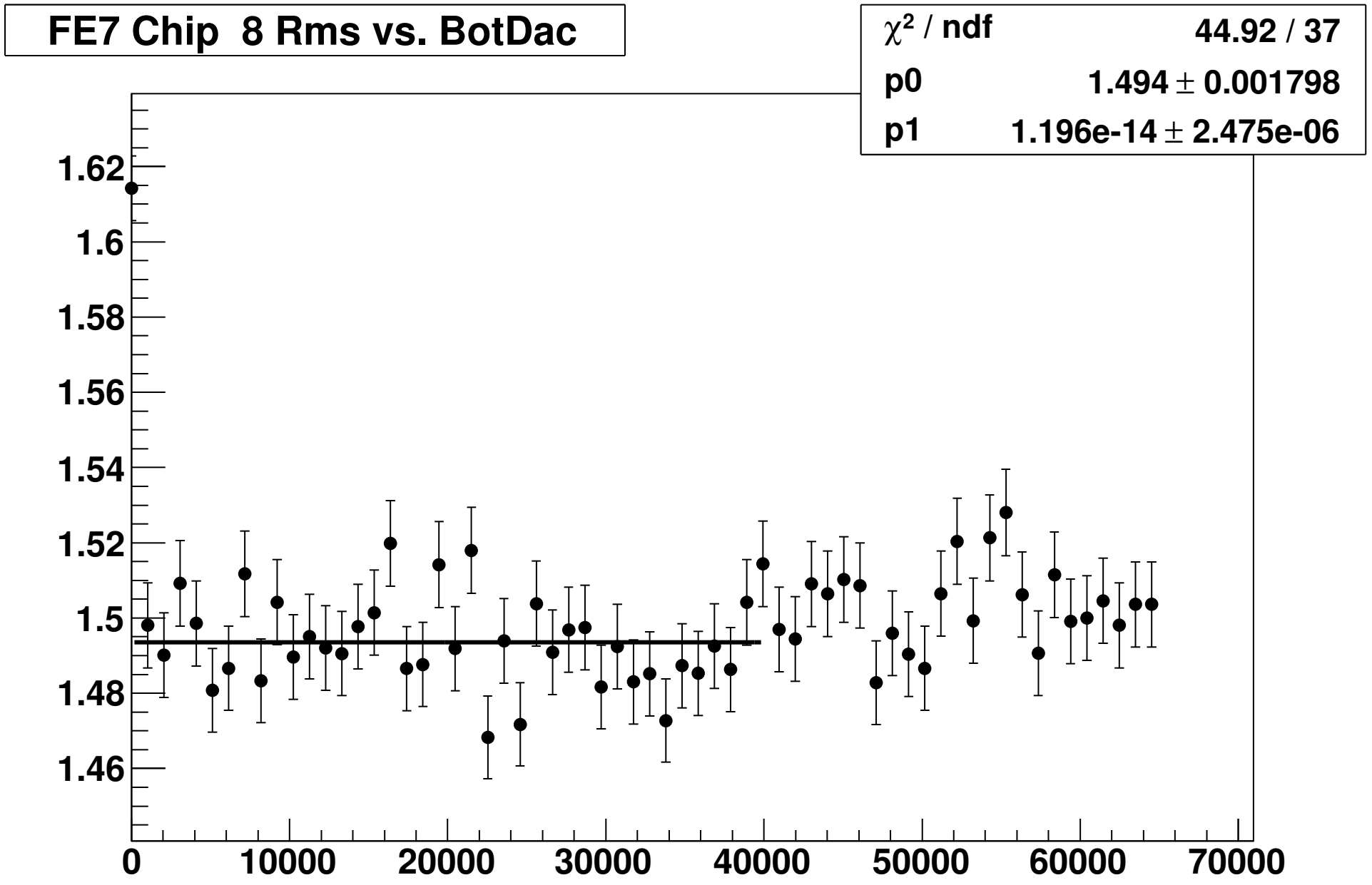

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 217.7 / 37
p0 -55.04 ± 0.005072
p1 -1.699e-06 ± 2.156e-07
-54.95
-55
-55.05
-55.1
-55.15
0
10000
20000
30000
40000
50000
60000
70000

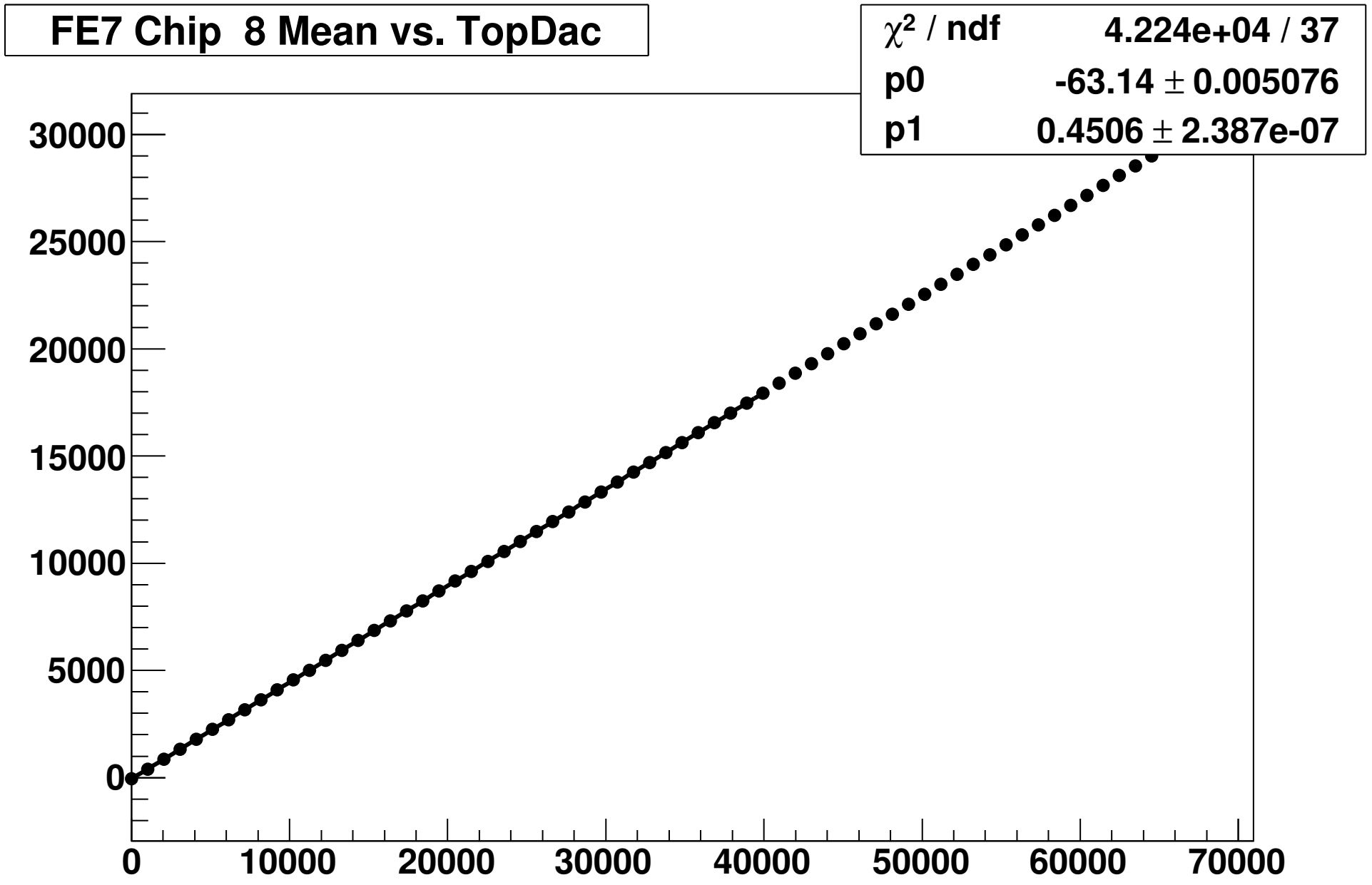

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 32.13 / 37
p0 1.463 ± 0.001763
p1 -1.602e-14 ± 2.195e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

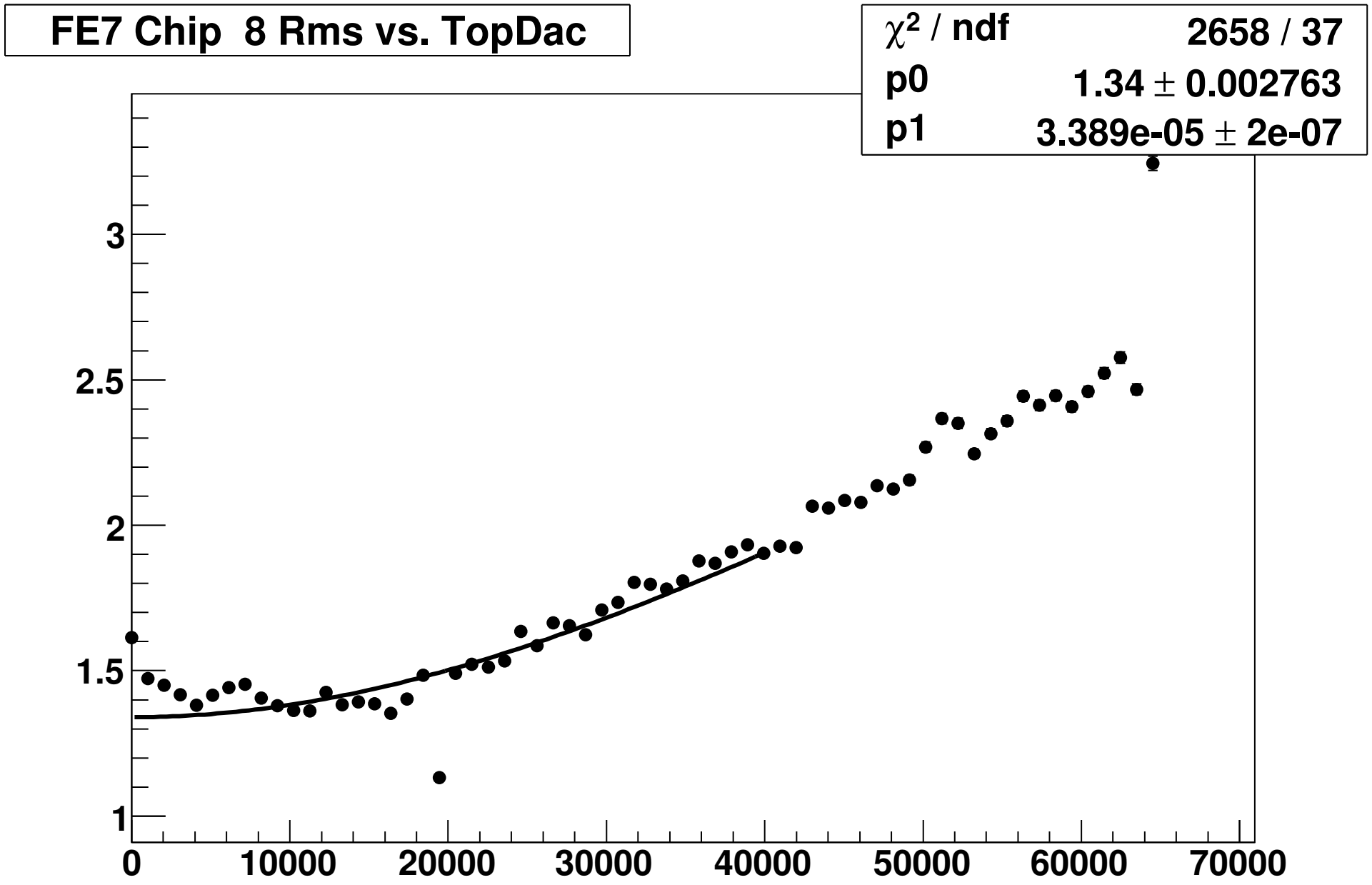

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 4.393e+04 / 37
p0 -56.02 ± 0.004959
p1 0.4502 ± 2.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

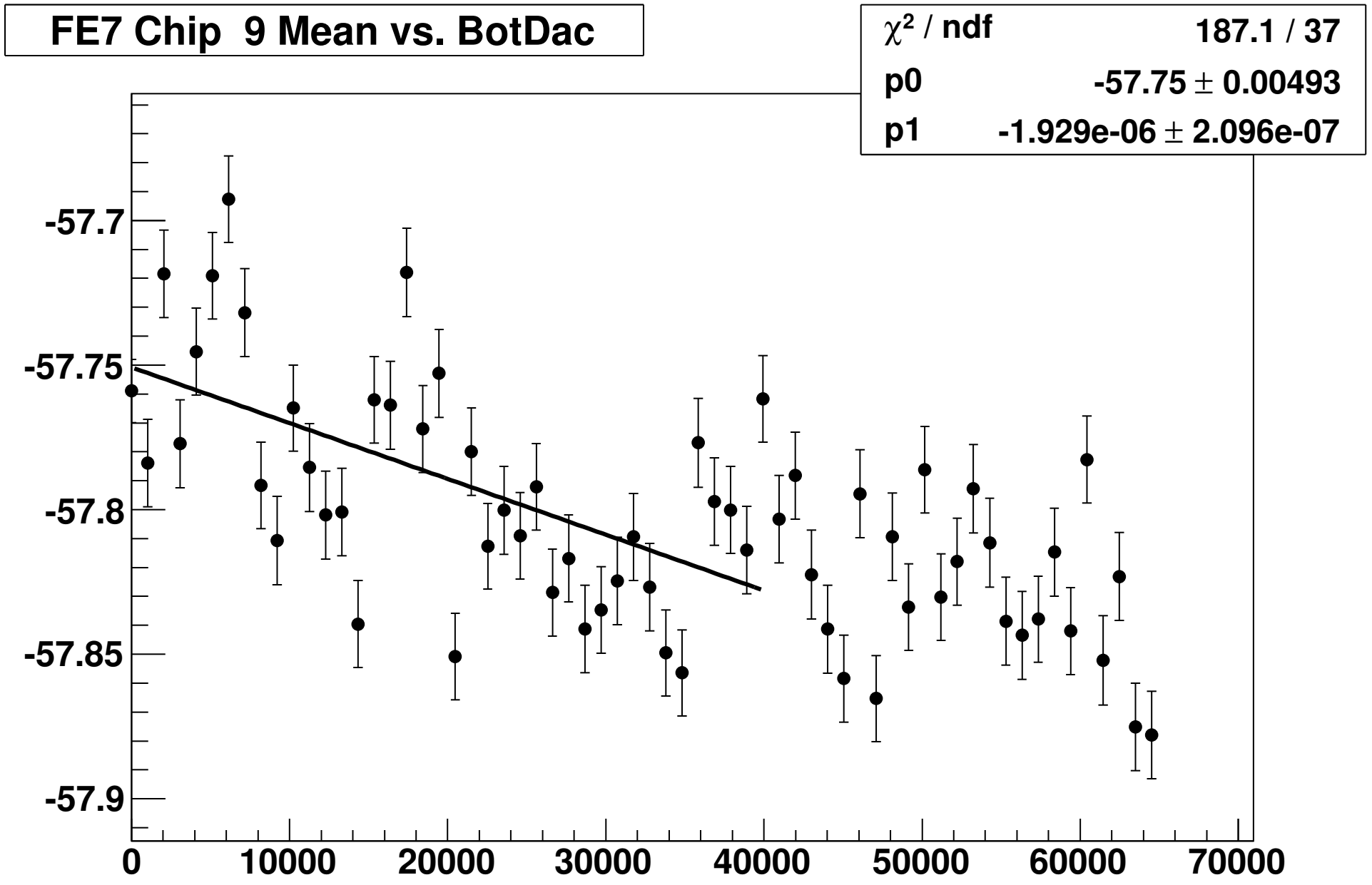

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 4646 / 37
p0 1.301 ± 0.002718
p1 3.513e-05 ± 1.896e-07
3.5
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000

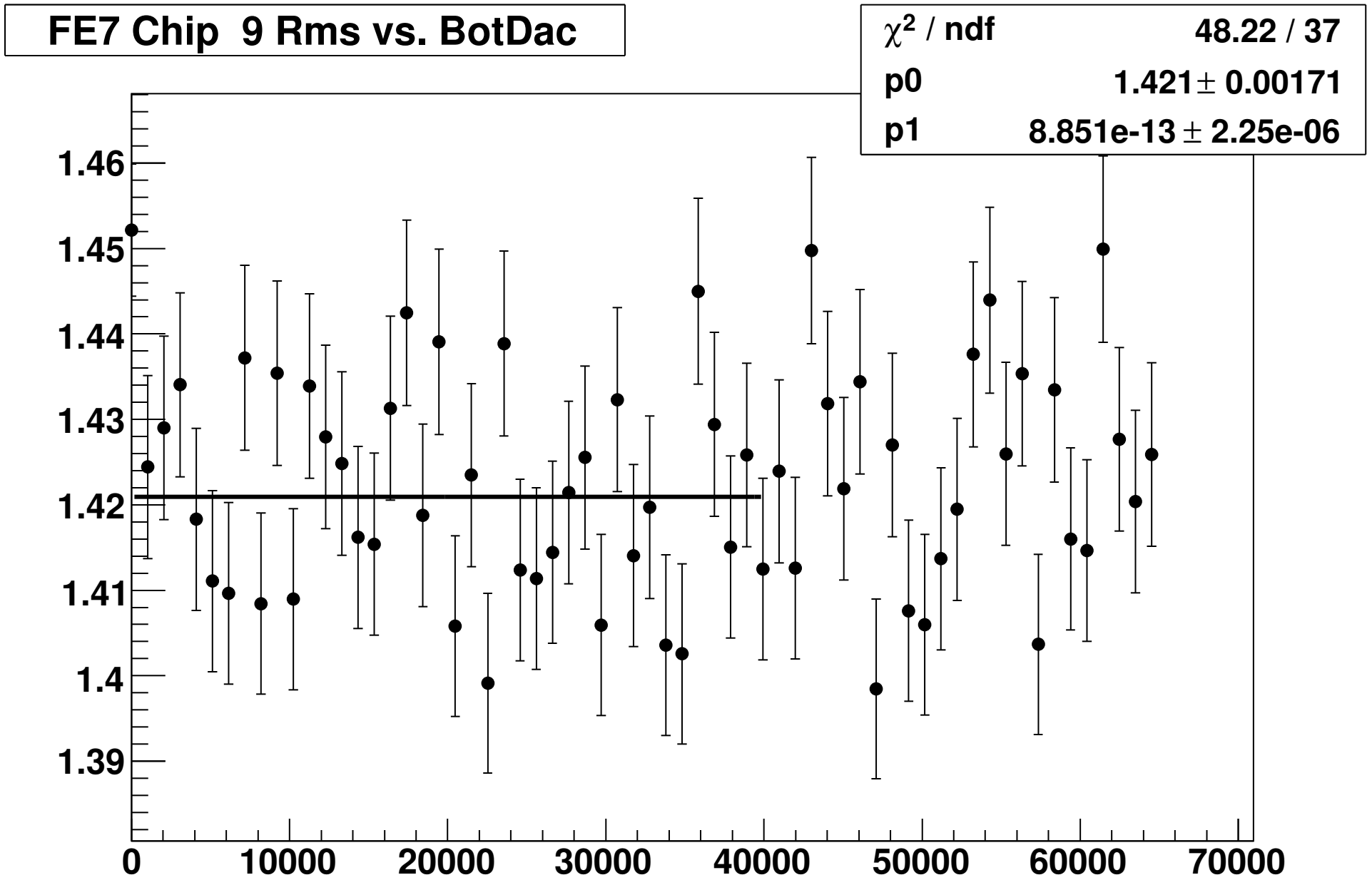

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 163.3 / 37
p0 -62.45 ± 0.00518
p1 -1.978e-06 ± 2.202e-07
-62.35
-62.4
-62.45
-62.5
-62.55
-62.6
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 8 Rms vs. BotDac
χ² / ndf 44.92 / 37
p0 1.494 ± 0.001798
p1 1.196e-14 ± 2.475e-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
70000


FE7 Chip 8 Mean vs. TopDac
χ² / ndf 4.224e+04 / 37
p0 -63.14 ± 0.005076
p1 0.4506 ± 2.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 8 Rms vs. TopDac
χ² / ndf 2658 / 37
p0 1.34 ± 0.002763
p1 3.389e-05 ± 2e-07
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 9 Mean vs. BotDac
χ² / ndf 187.1 / 37
p0 -57.75 ± 0.00493
p1 -1.929e-06 ± 2.096e-07
-57.7
-57.75
-57.8
-57.85
-57.9
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 9 Rms vs. BotDac
χ² / ndf 48.22 / 37
p0 1.421 ± 0.00171
p1 8.851e-13 ± 2.25e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
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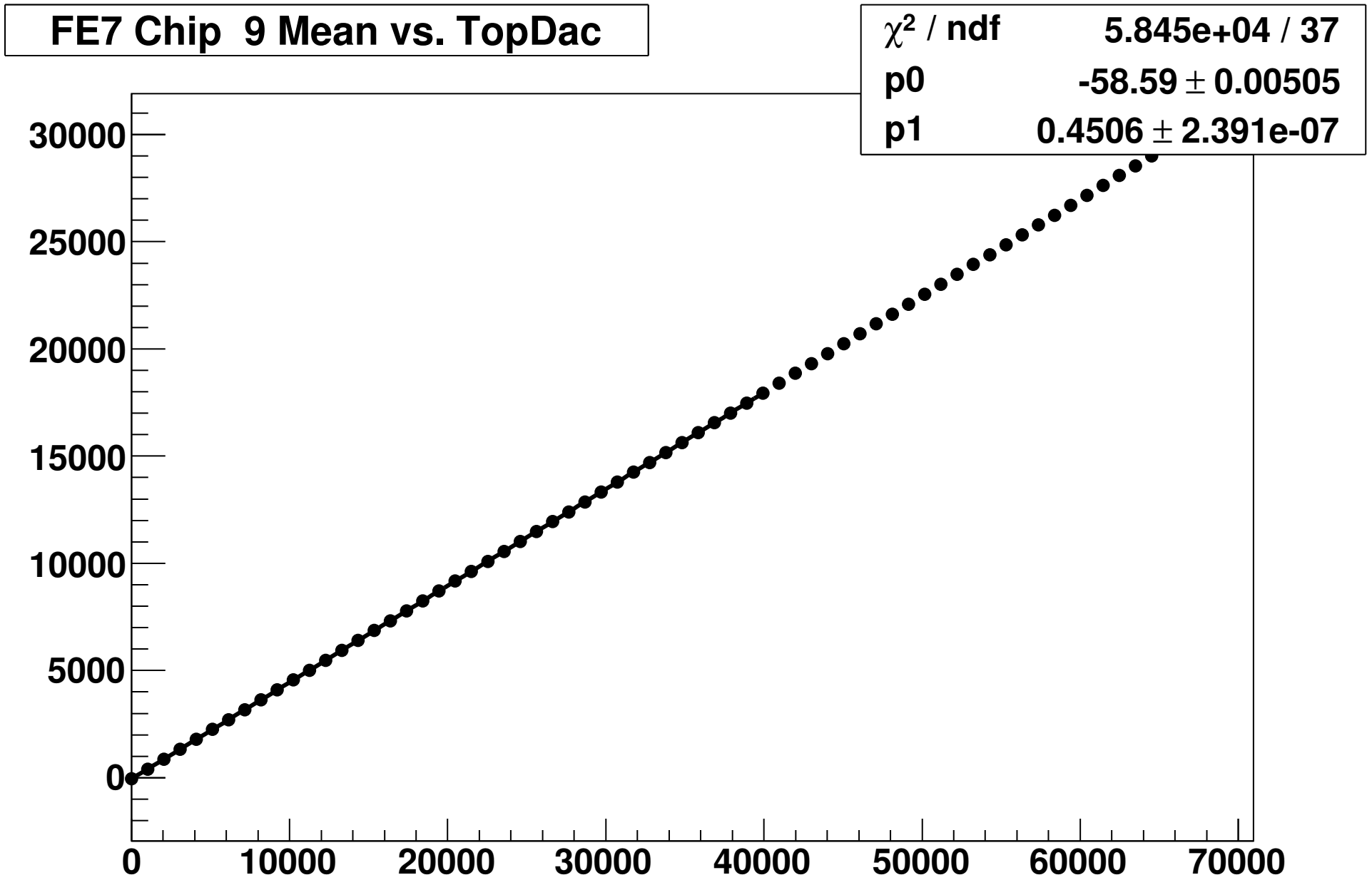
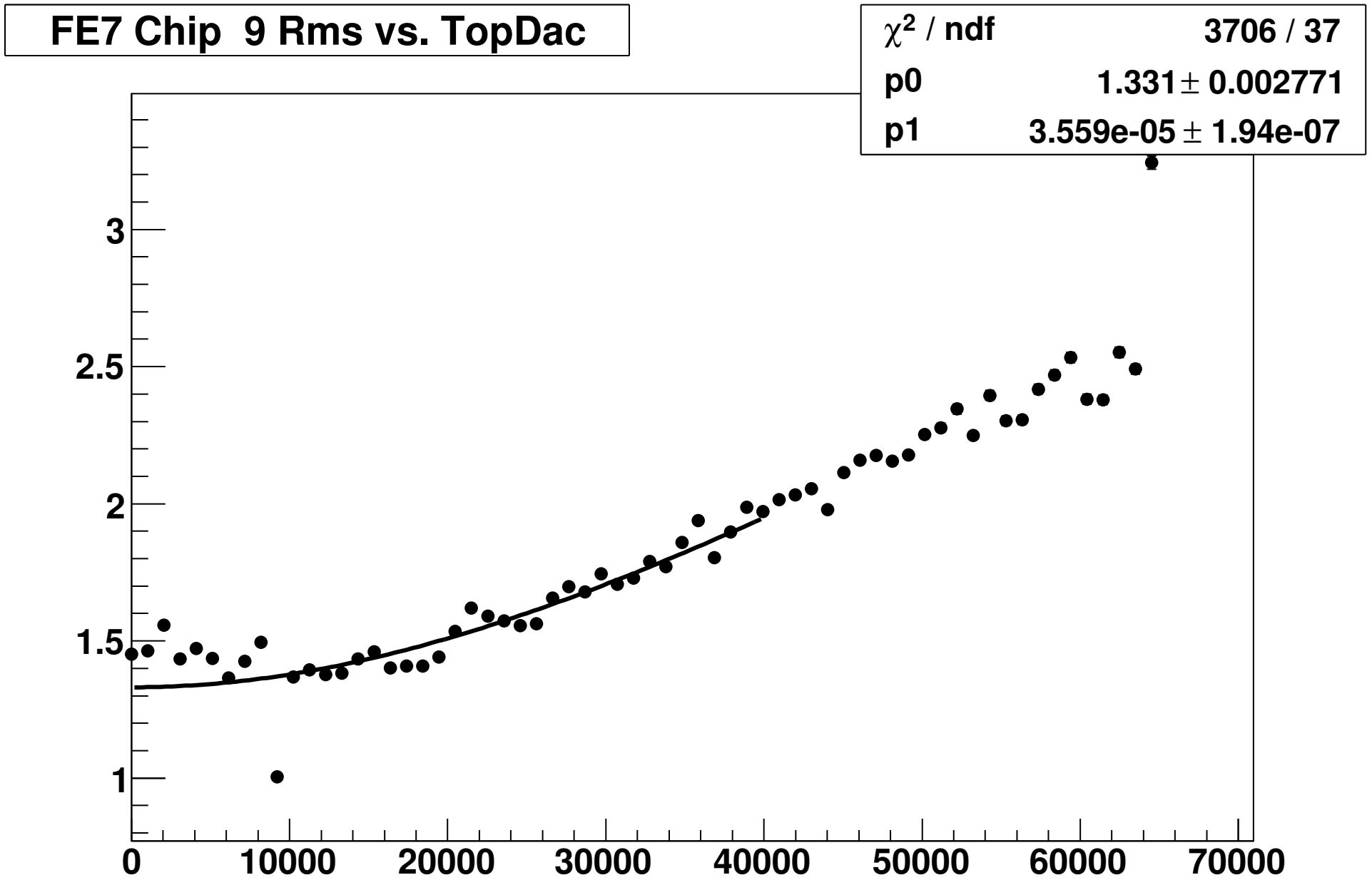
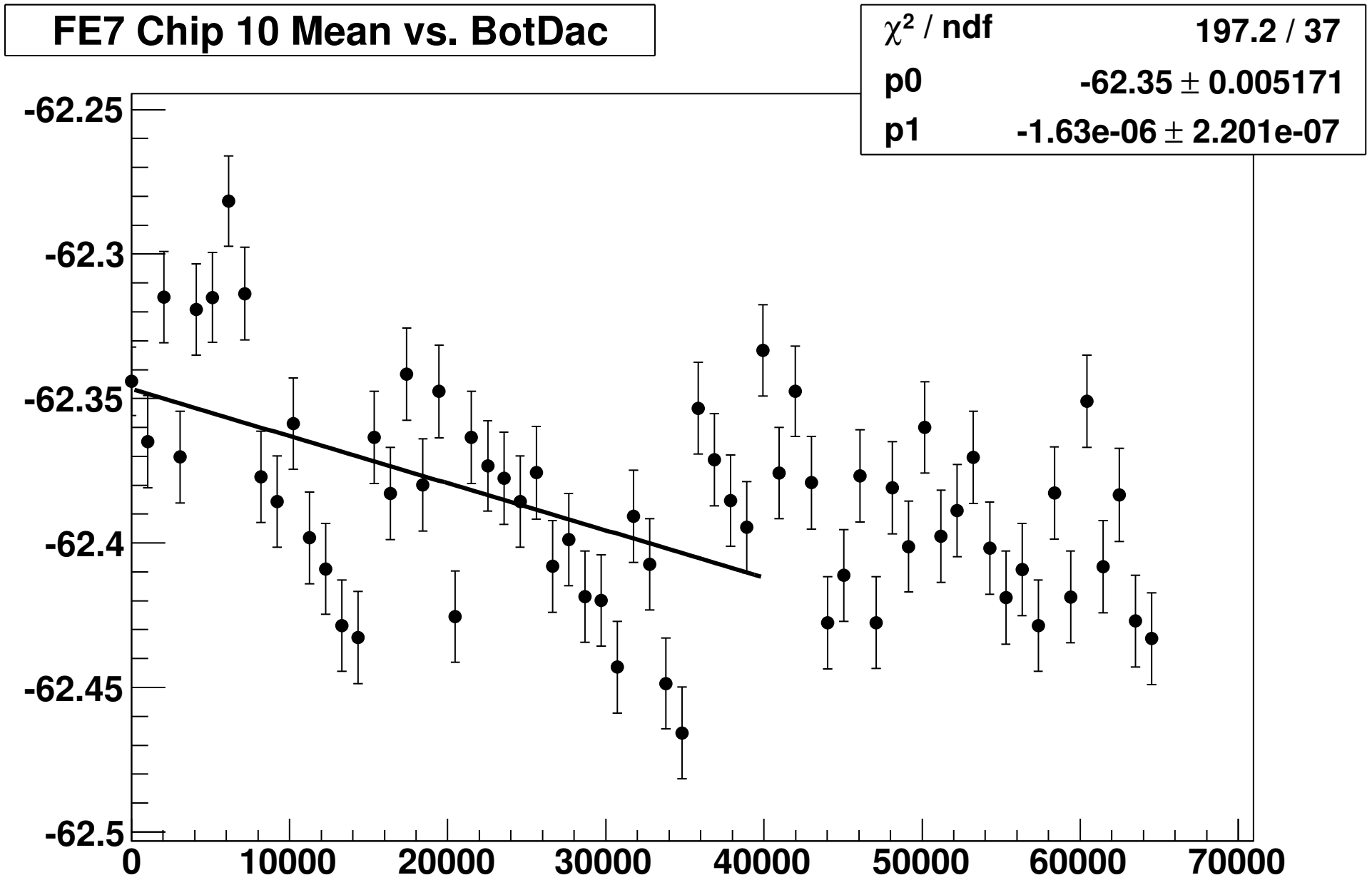
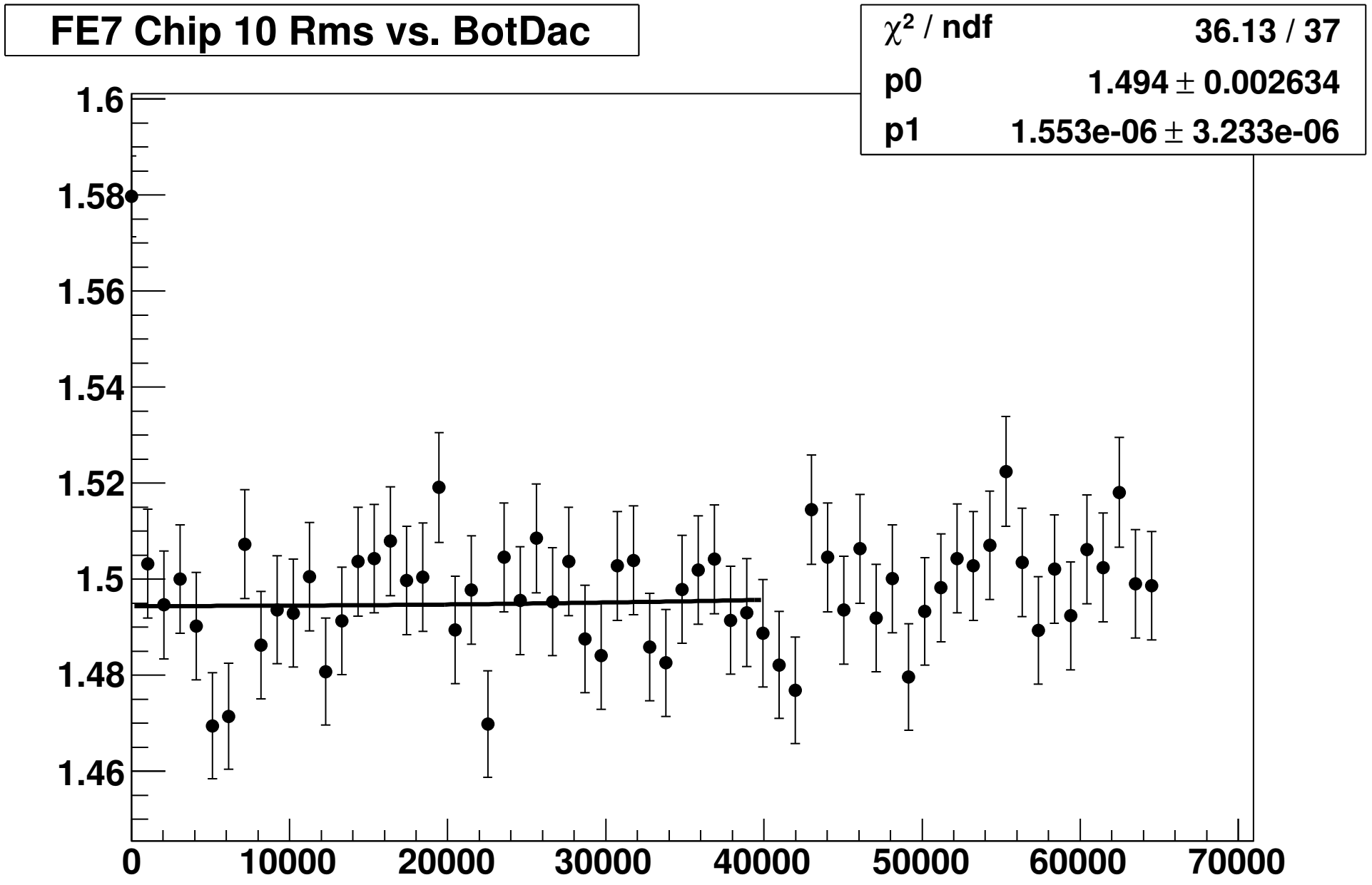
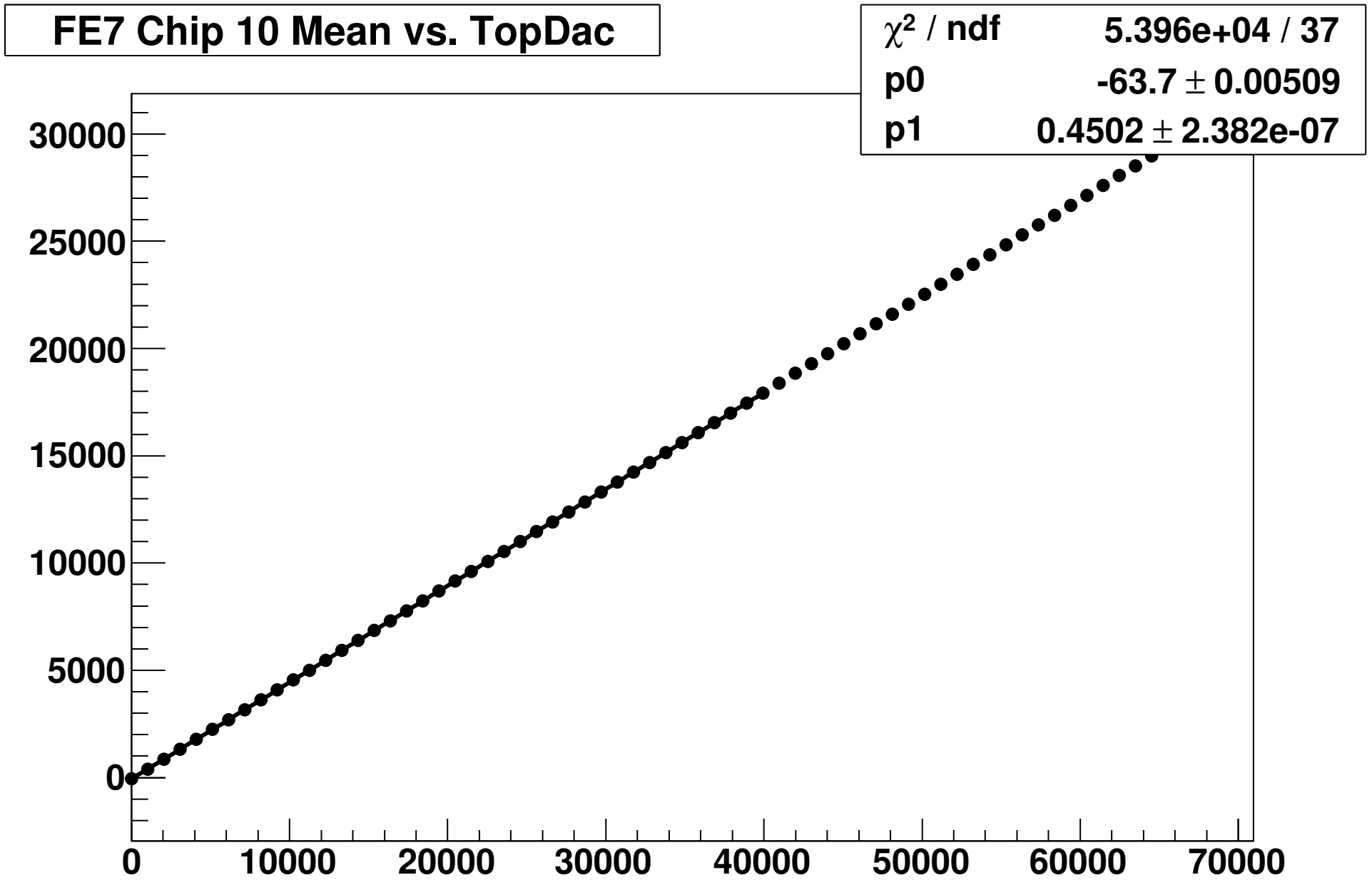
50000
60000
70000


FE7 Chip 9 Mean vs. TopDac
χ² / ndf 5.845e+04 / 37
p0 -58.59 ± 0.00505
p1 0.4506 ± 2.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 9 Rms vs. TopDac
χ² / ndf 3706 / 37
p0 1.331 ± 0.002771
p1 3.559e-05 ± 1.94e-07
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 10 Mean vs. BotDac
χ² / ndf 197.2 / 37
p0 -62.35 ± 0.005171
p1 -1.63e-06 ± 2.201e-07
-62.25
-62.3
-62.35
-62.4
-62.45
-62.5
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 10 Rms vs. BotDac
χ² / ndf 36.13 / 37
p0 1.494 ± 0.002634
p1 1.553e-06 ± 3.233e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 10 Mean vs. TopDac
χ² / ndf 5.396e+04 / 37
p0 -63.7 ± 0.00509
p1 0.4502 ± 2.382e-07
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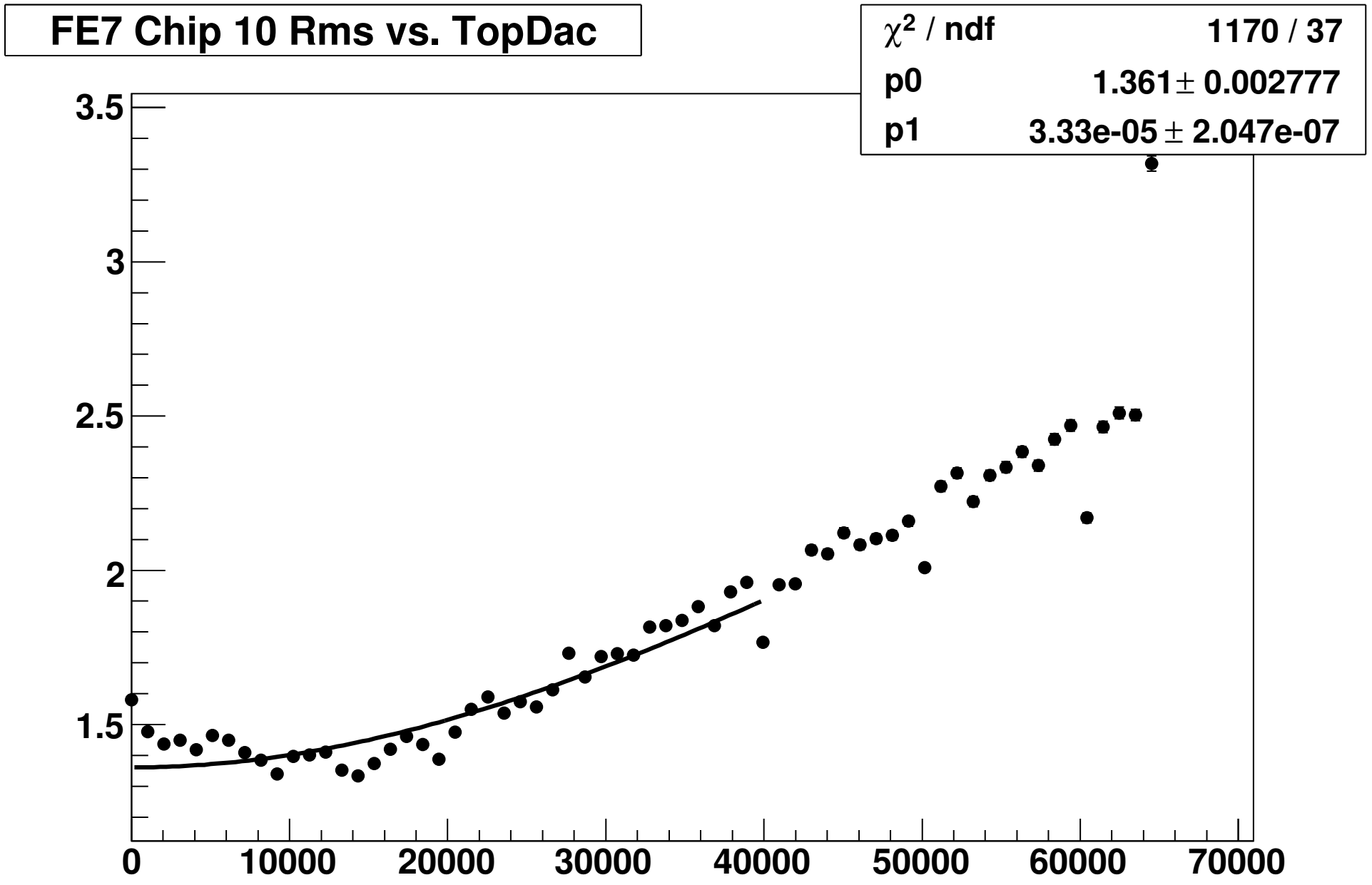
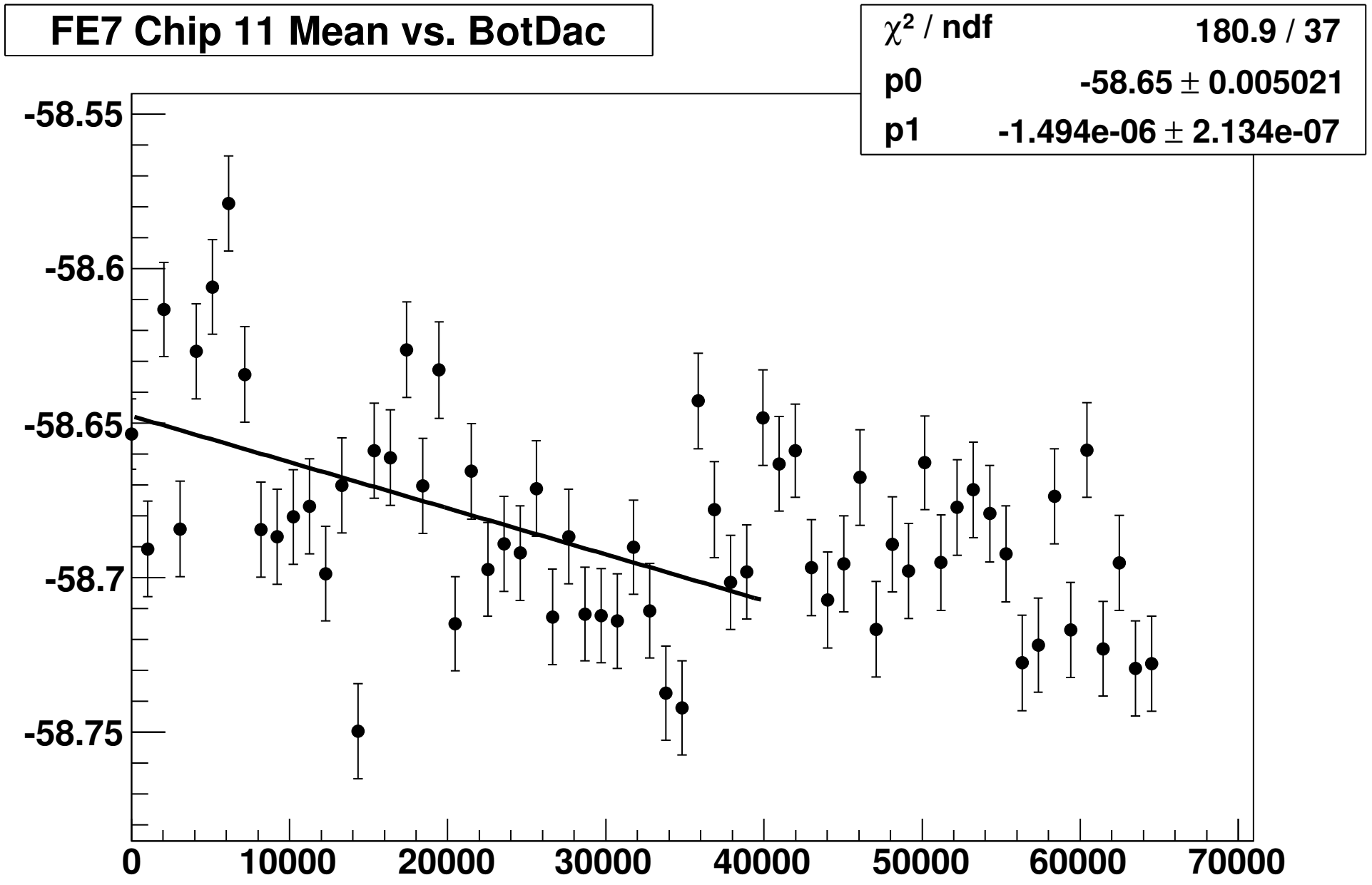
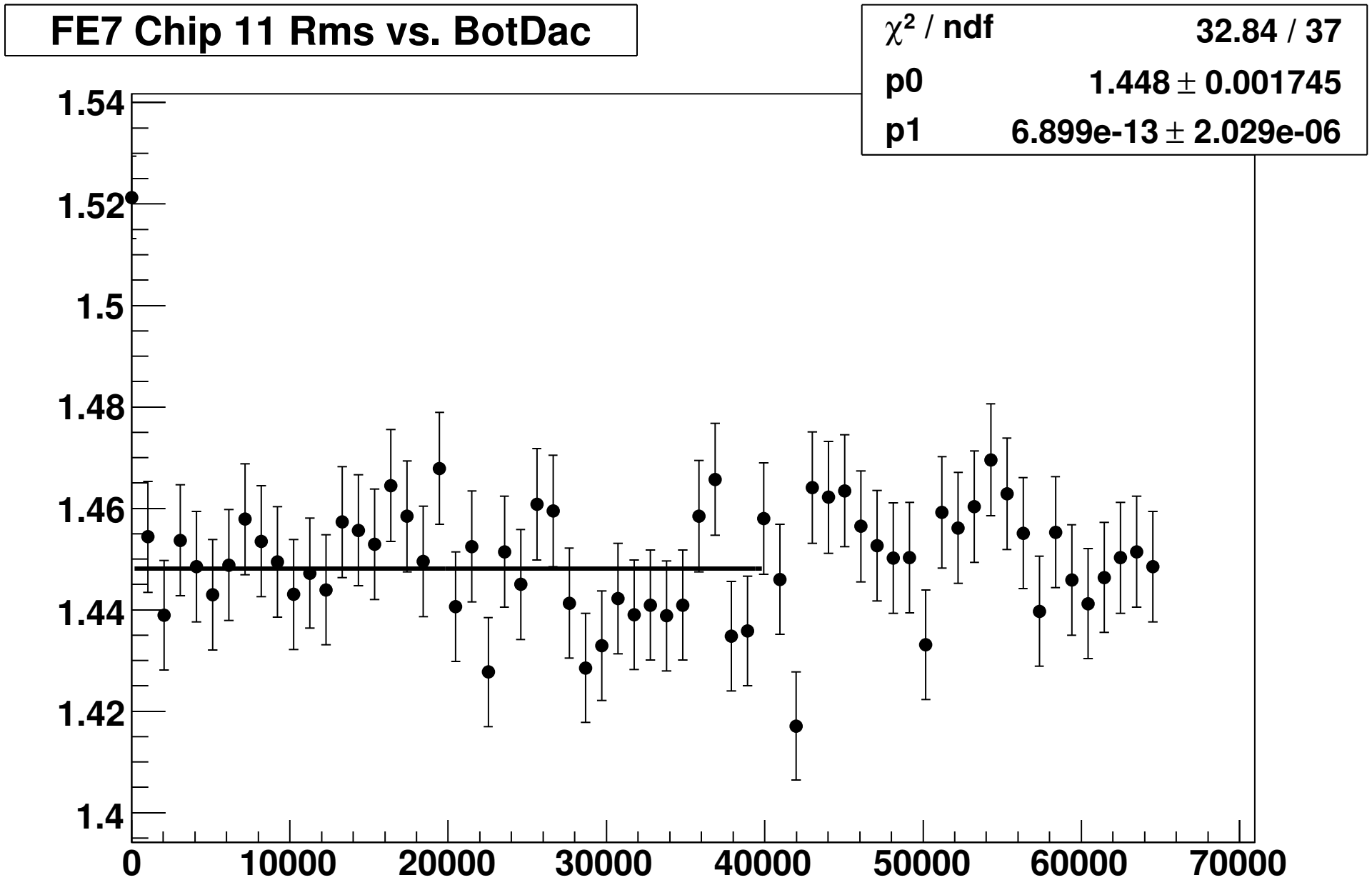
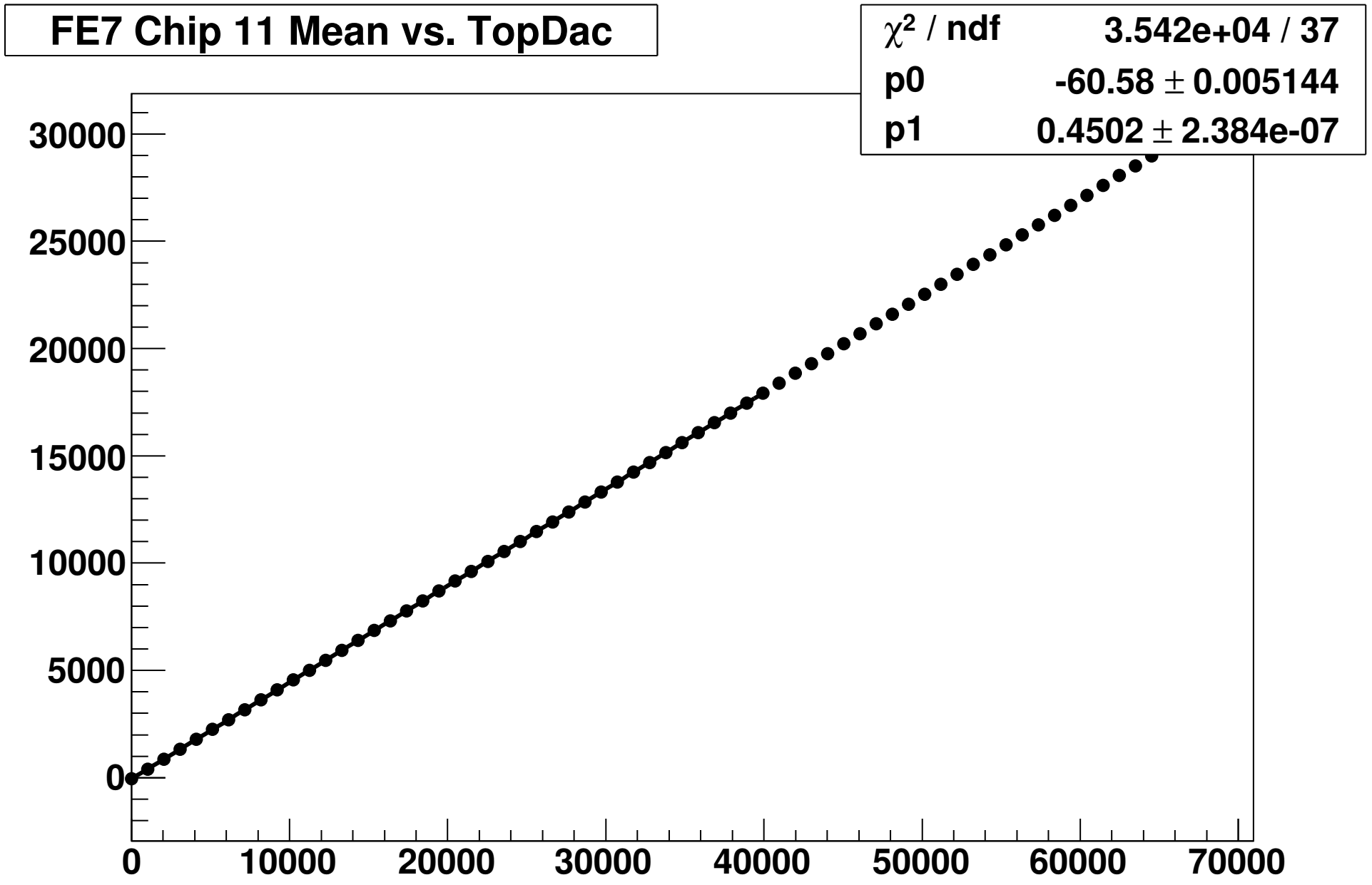
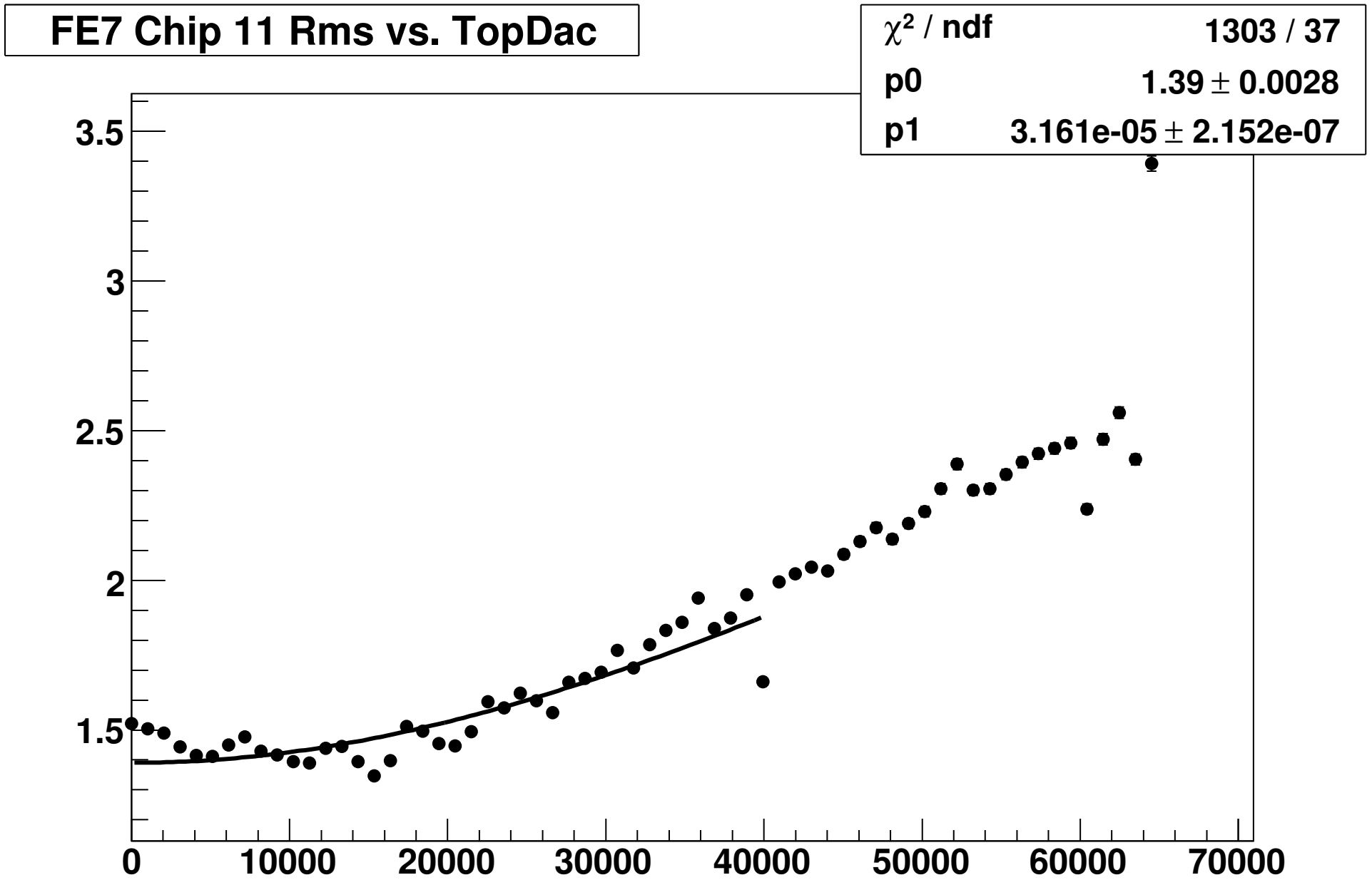
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

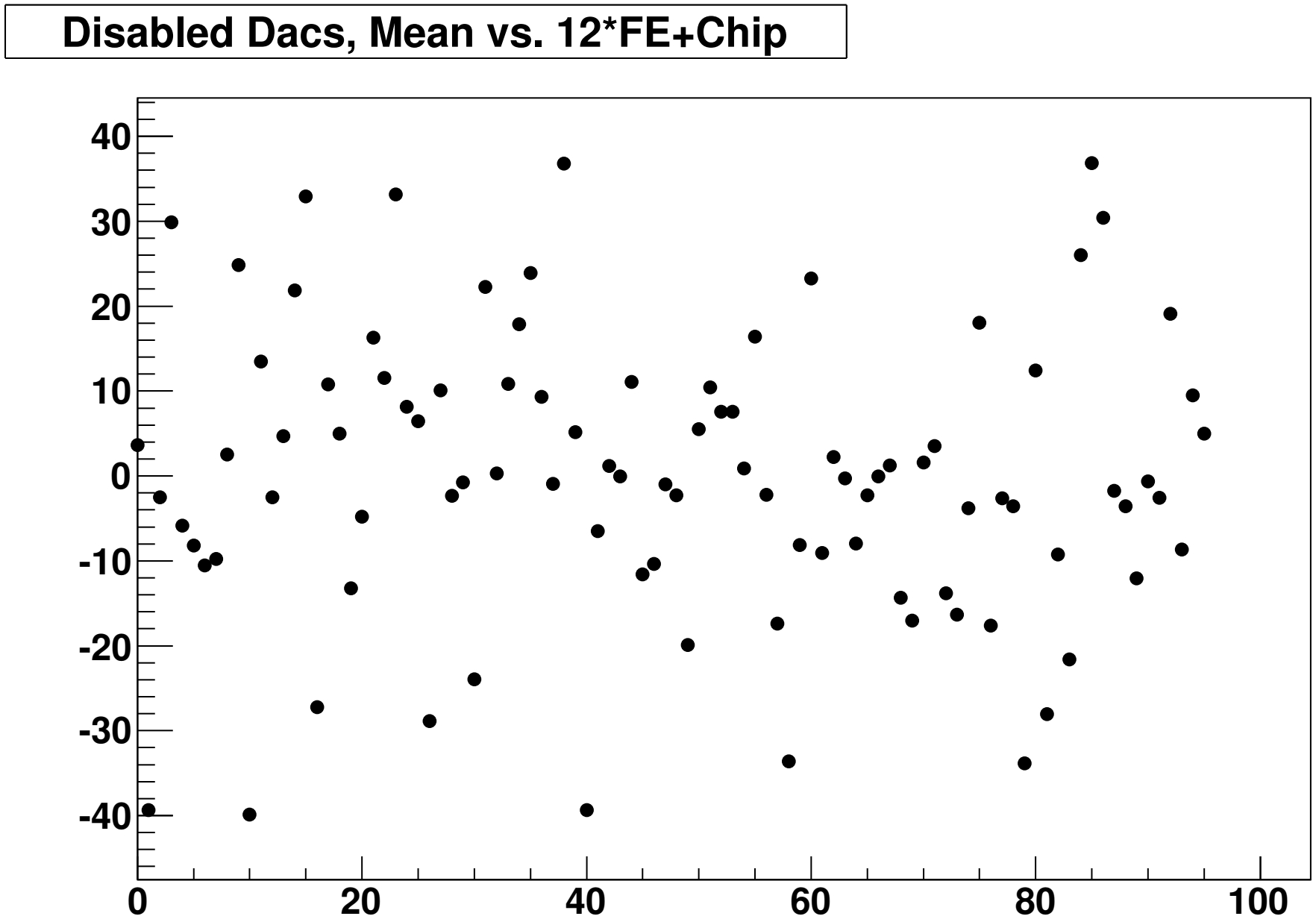

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 1170 / 37
p0 1.361 ± 0.002777
p1 3.33e-05 ± 2.047e-07
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

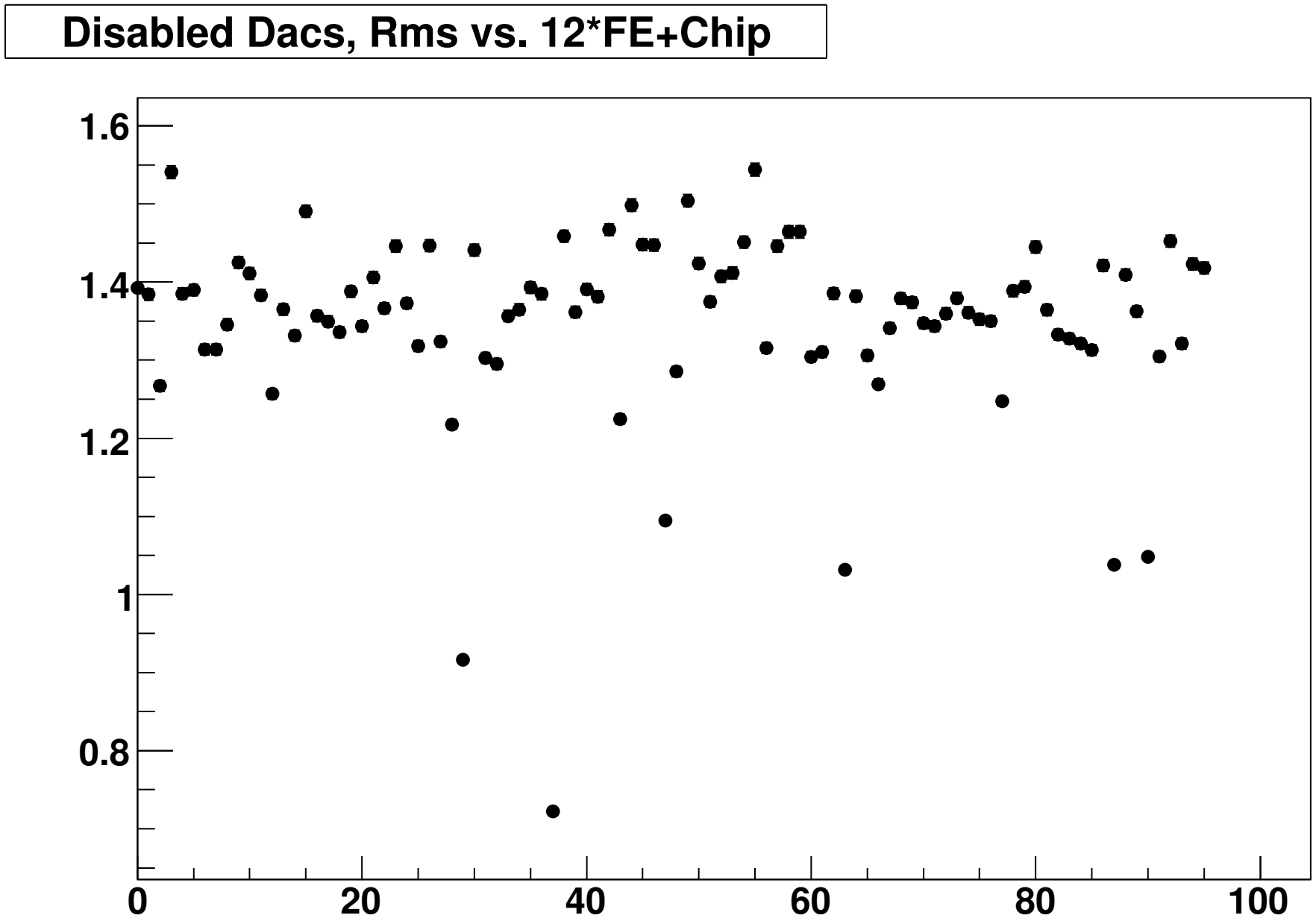

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 180.9 / 37
p0 -58.65 ± 0.005021
p1 -1.494e-06 ± 2.134e-07
-58.55
-58.6
-58.65
-58.7
-58.75
0
10000
20000
30000
40000
50000
60000
70000

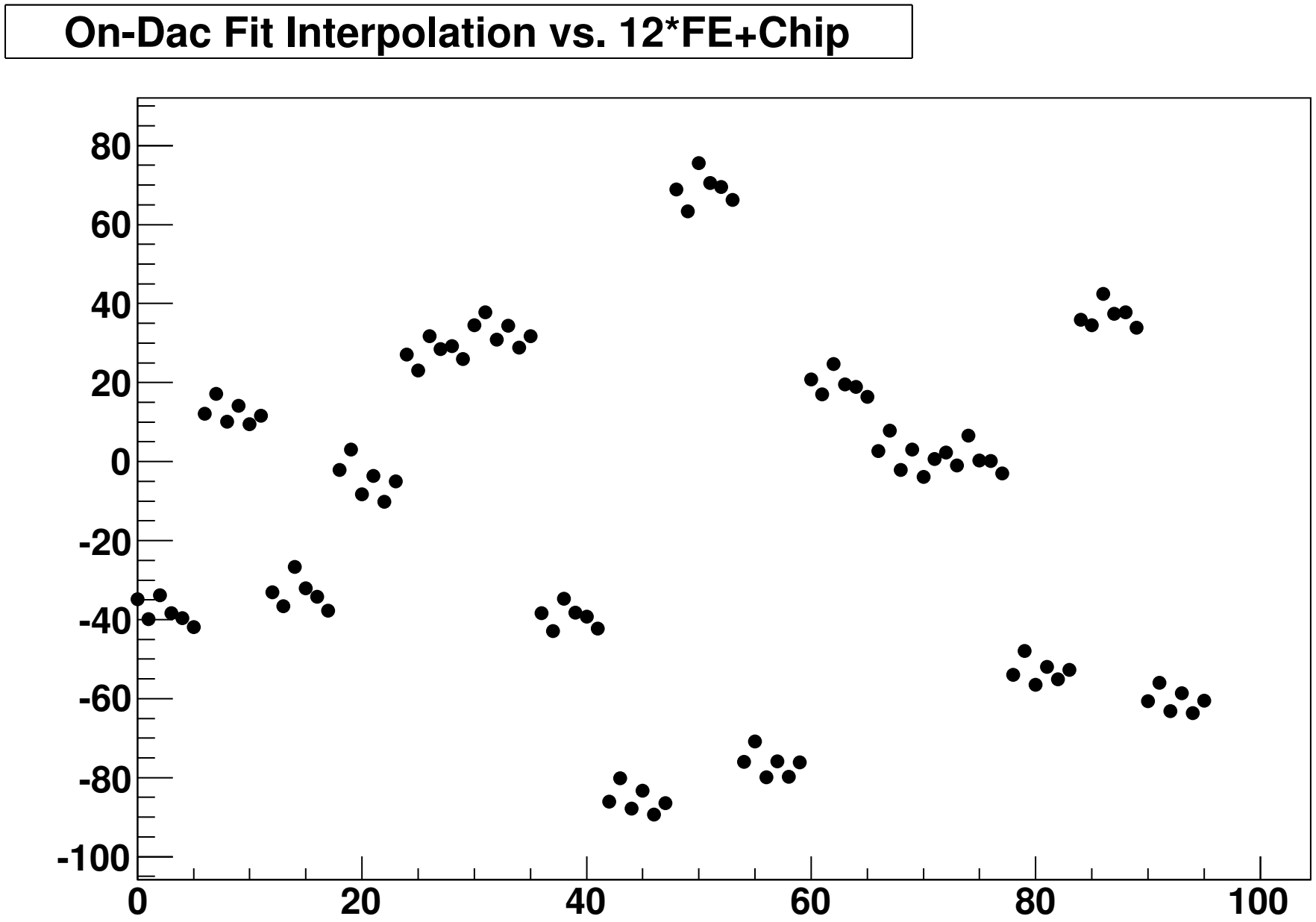

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 32.84 / 37
p0 1.448 ± 0.001745
p1 6.899e-13 ± 2.029e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

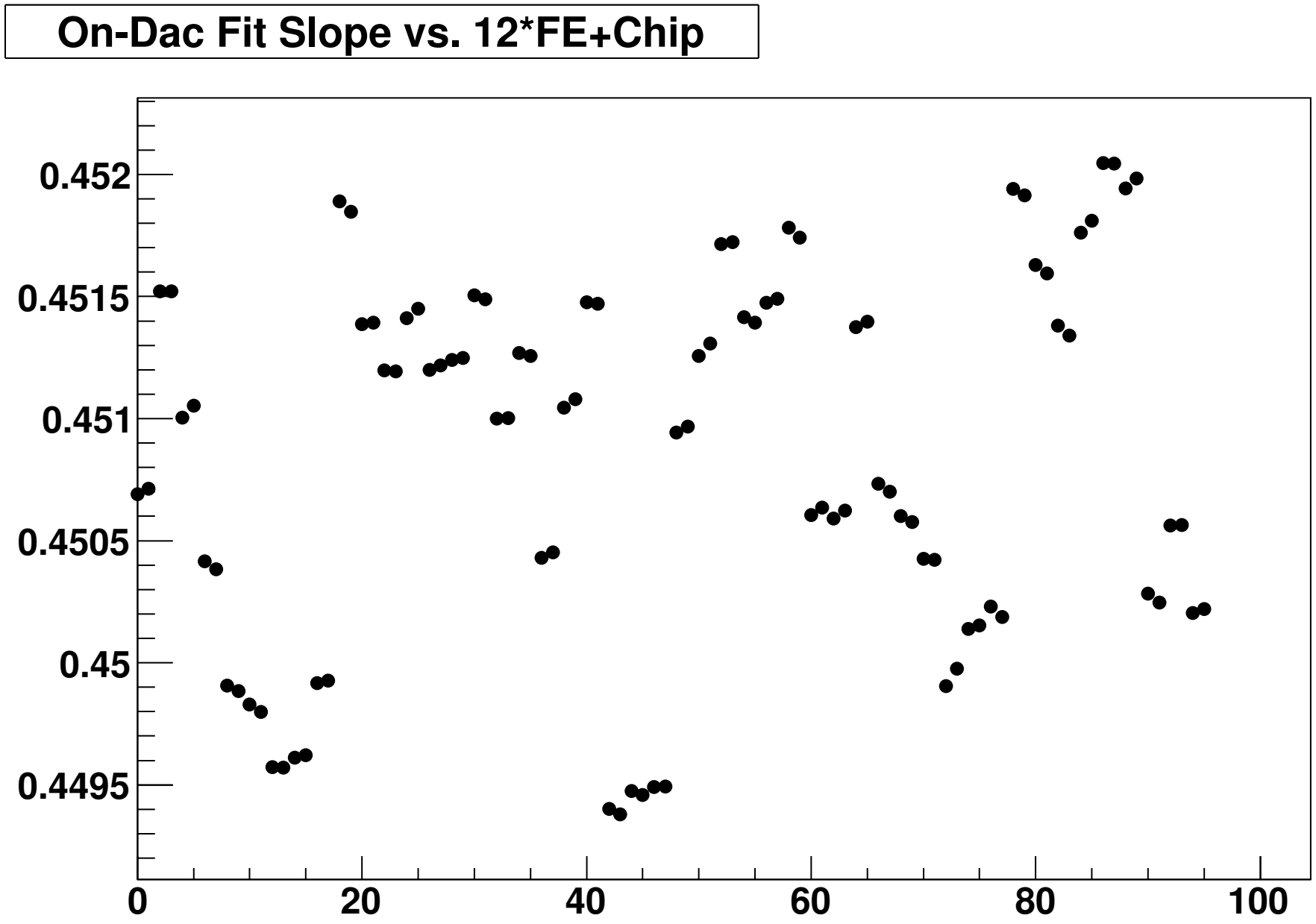

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 3.542e+04 / 37
p0 -60.58 ± 0.005144
p1 0.4502 ± 2.384e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

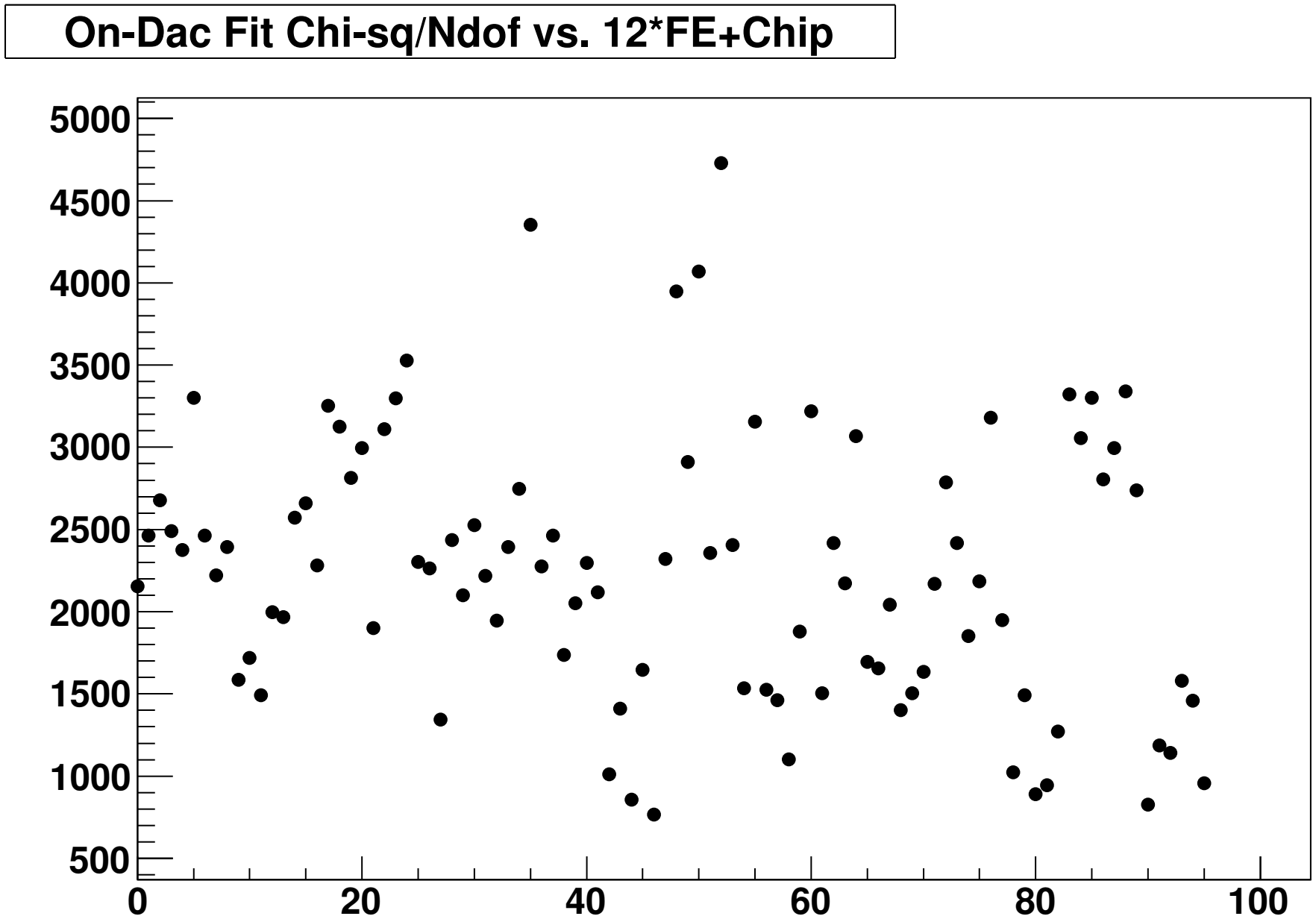

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1303 / 37
p0 1.39 ± 0.0028
p1 3.161e-05 ± 2.152e-07
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

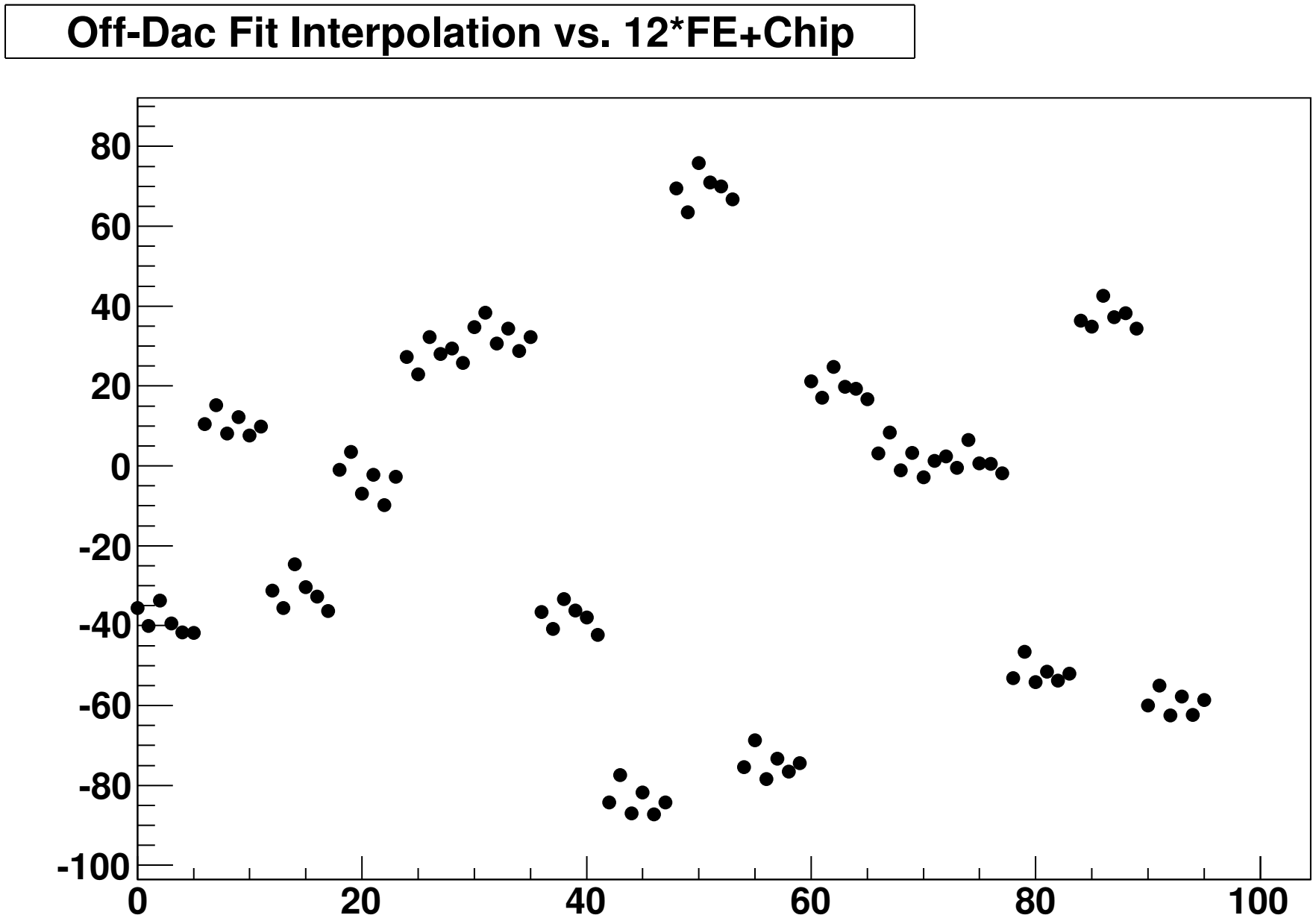

Disabled Dacs, Mean vs. 12*FE+Chip
40
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

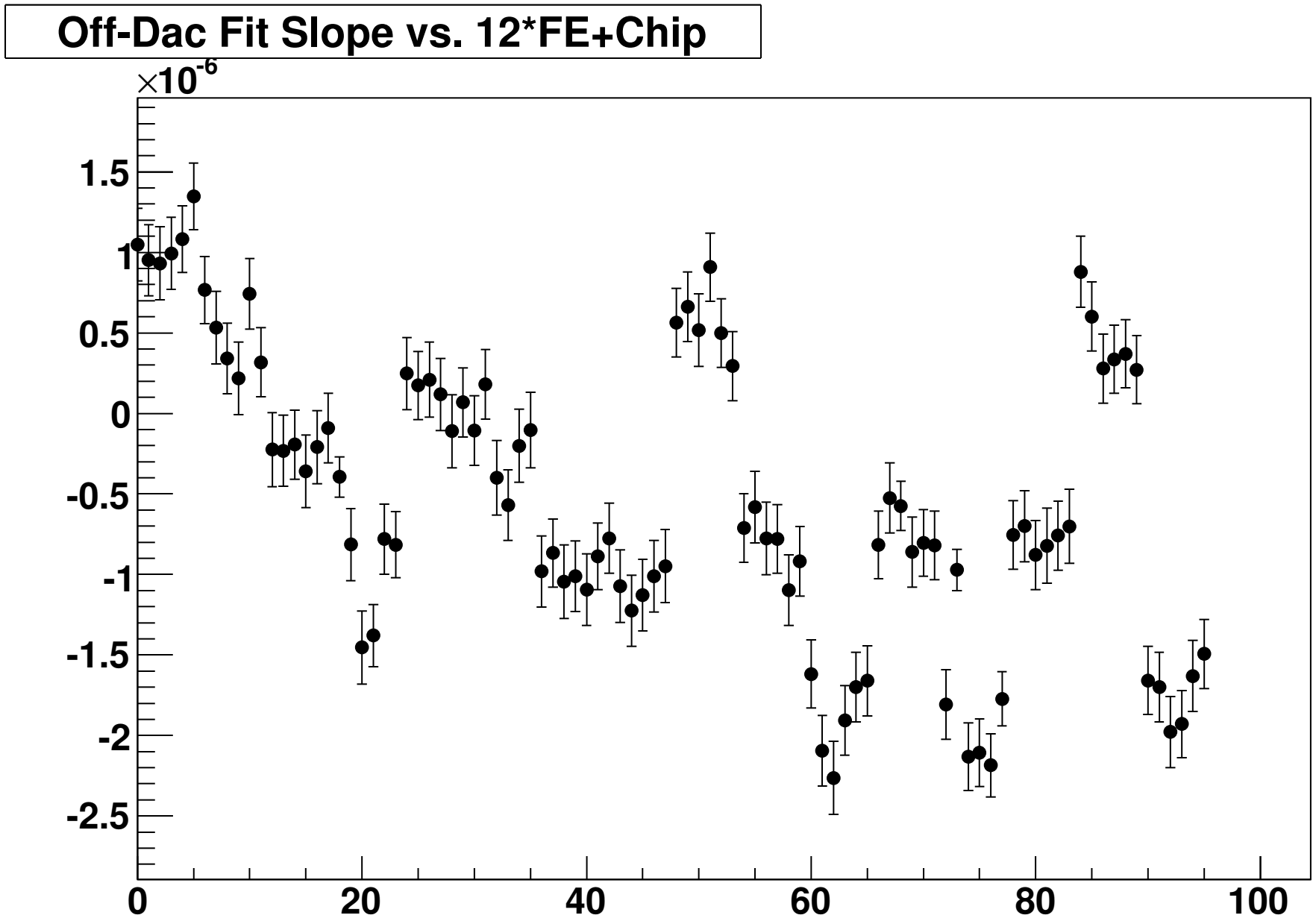

Disabled Dacs, Rms vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

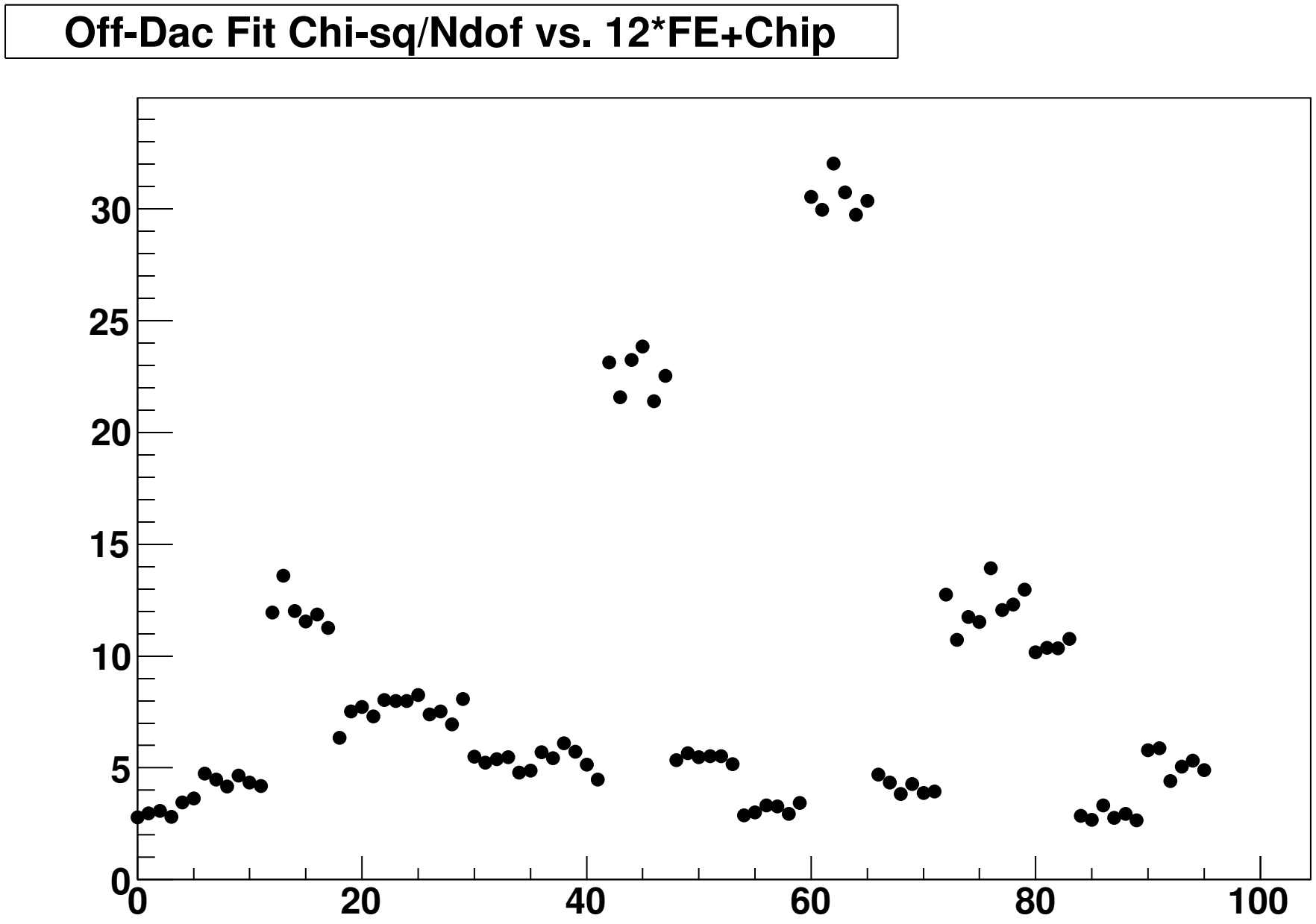

On-Dac Fit Interpolation vs. 12*FE+Chip
80
60
40
20
0
-20
-40
-60
-80
-100
0
20
40
60
80
100

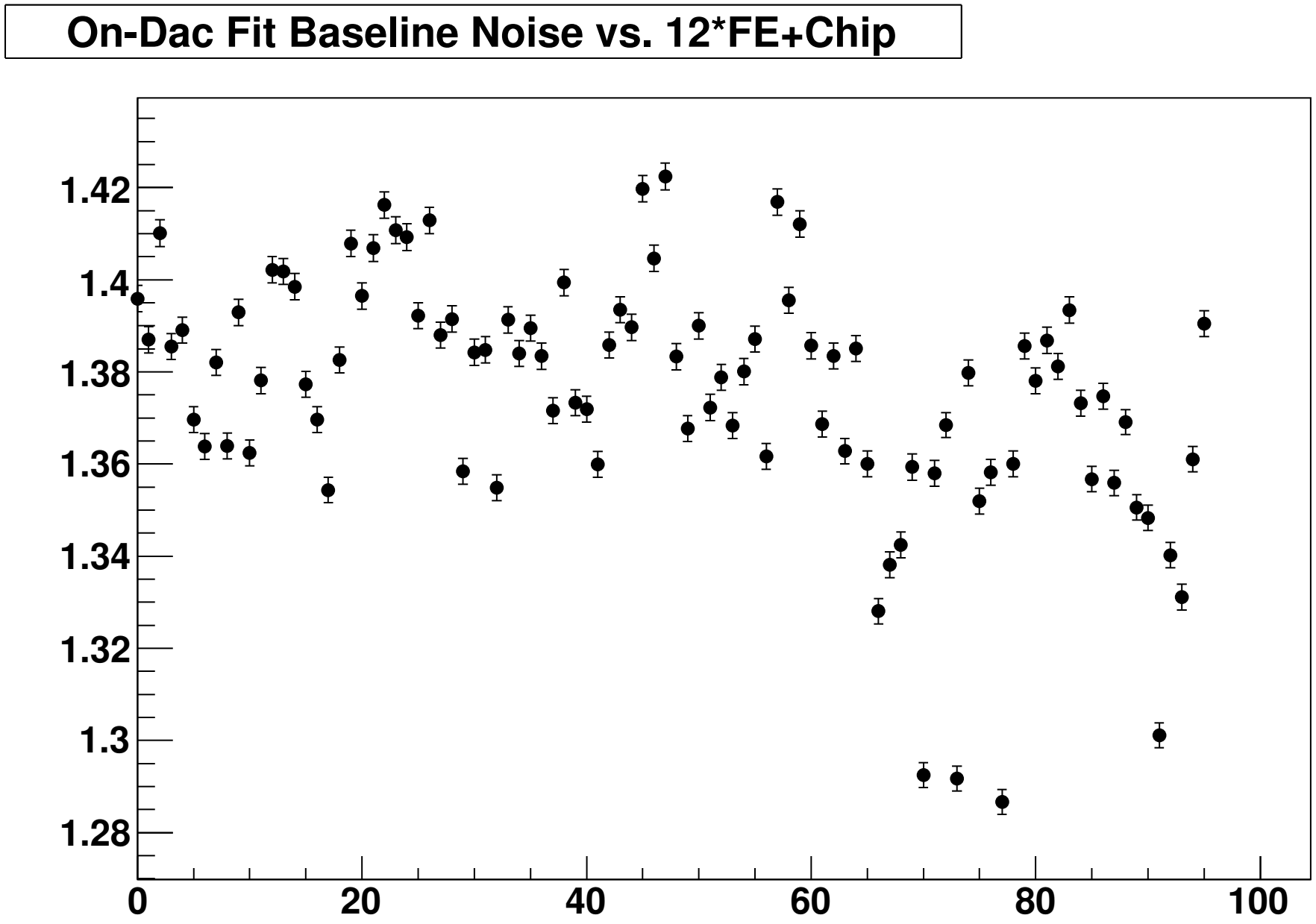

On-Dac Fit Slope vs. 12*FE+Chip
0.452
0.4515
0.451
0.4505
0.45
0.4495
0
20
40
60
80
100

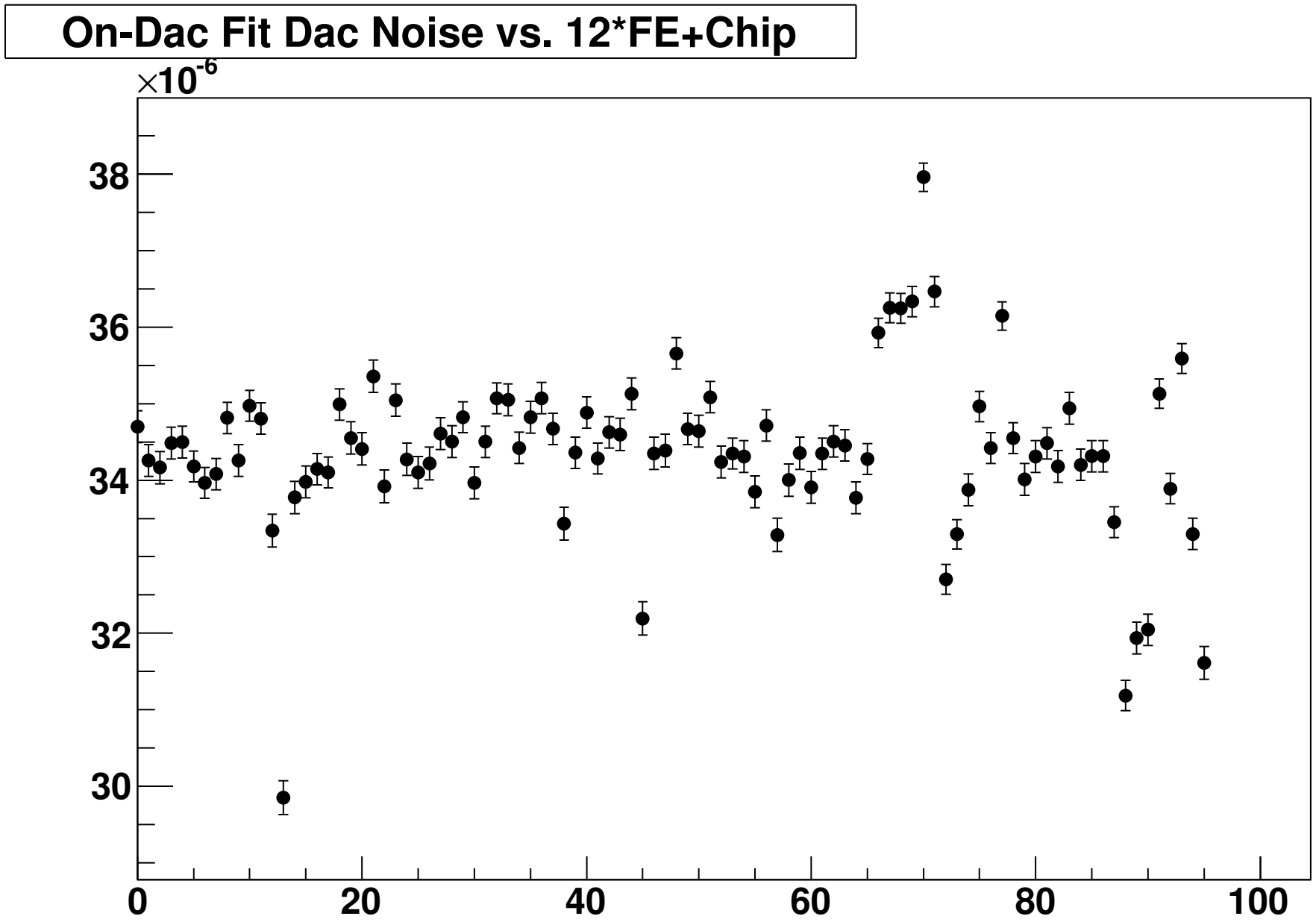

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
20
40
60
80
100

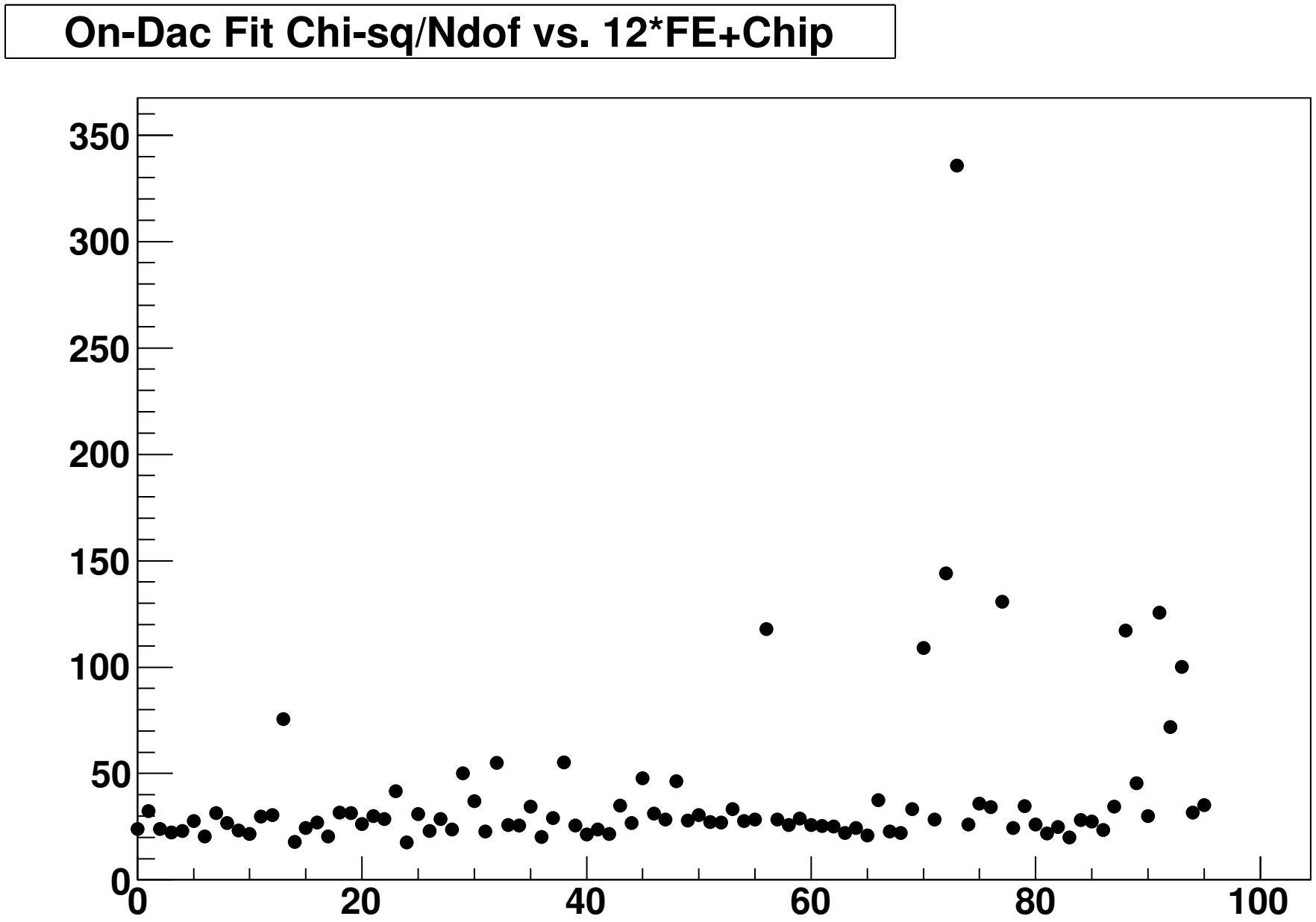

Off-Dac Fit Interpolation vs. 12*FE+Chip
80
60
40
20
0
-20
-40
-60
-80
-100
0
20
40
60
80
100

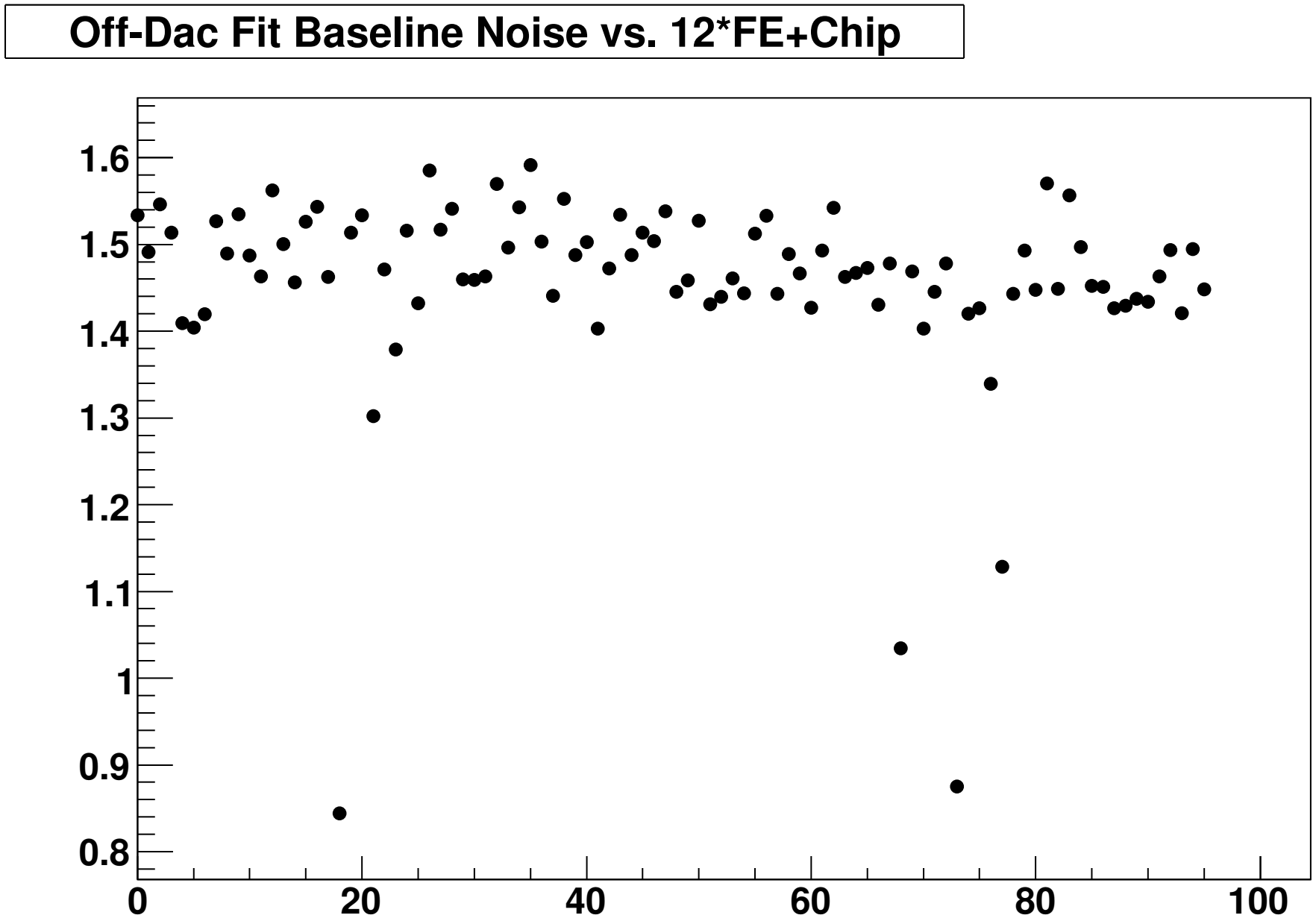

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
0
20
40
60
80
100

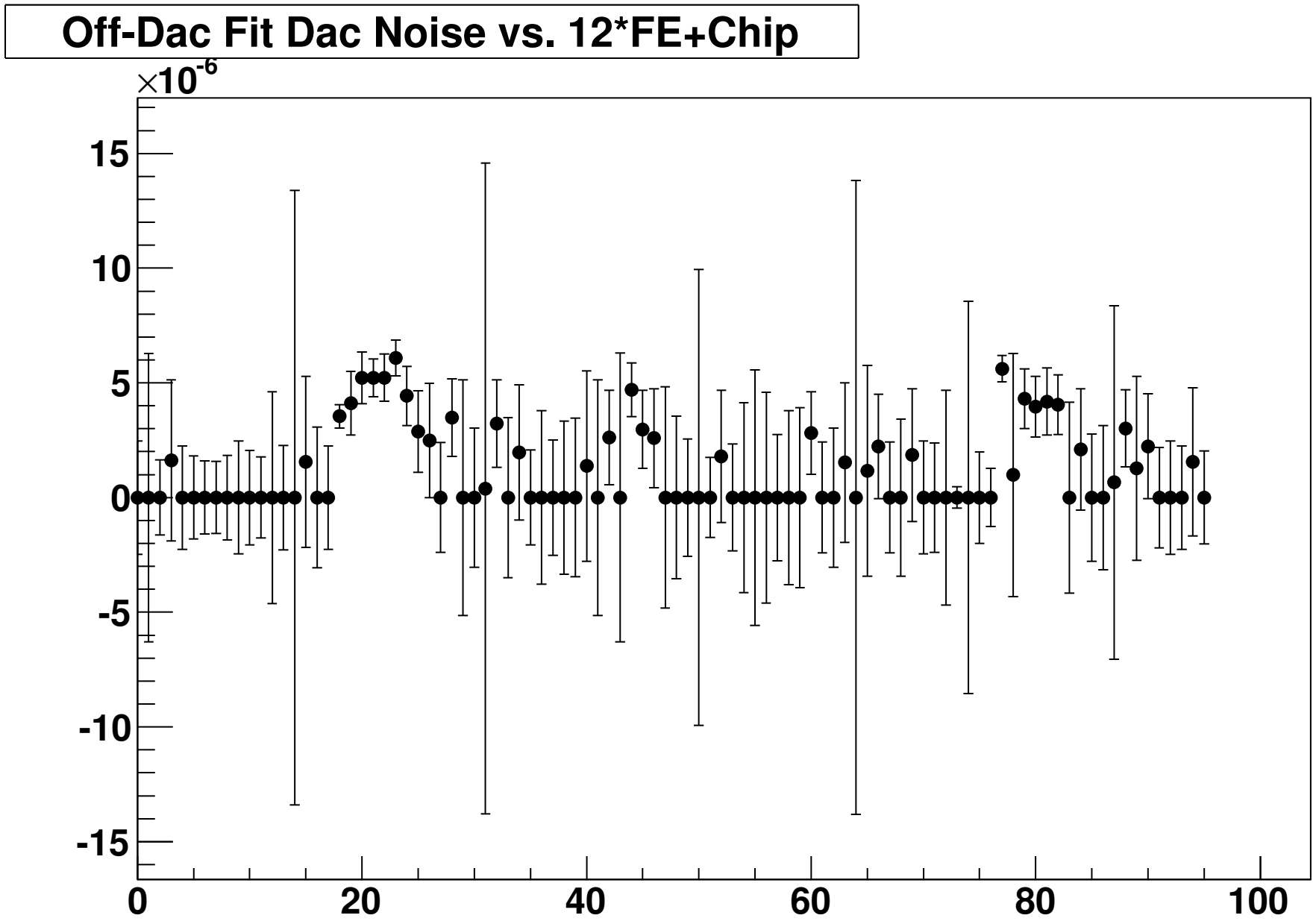

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
5
10
15
20
25
30
0
20
40
60
80
100

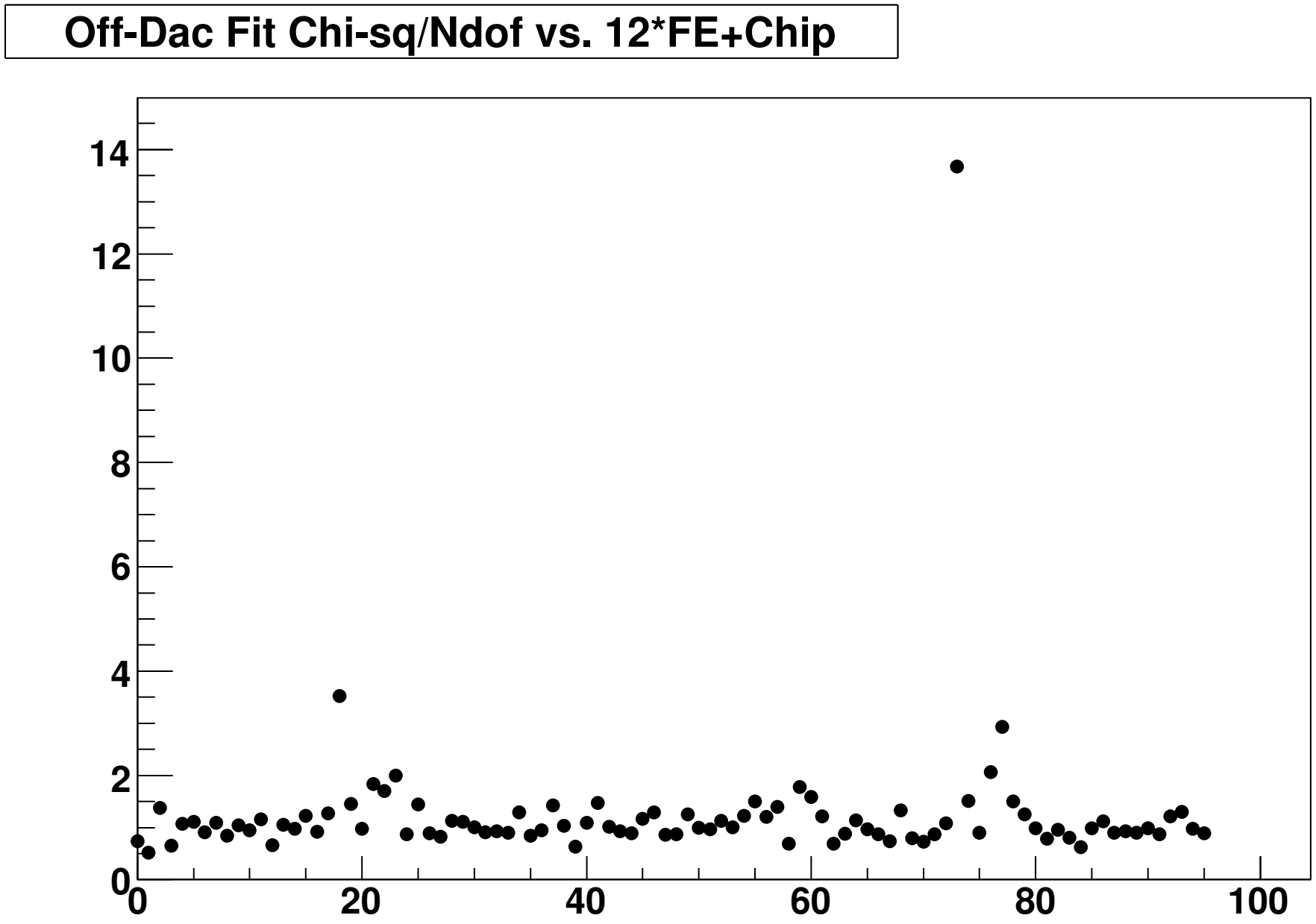

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
0
20
40
60
80
100

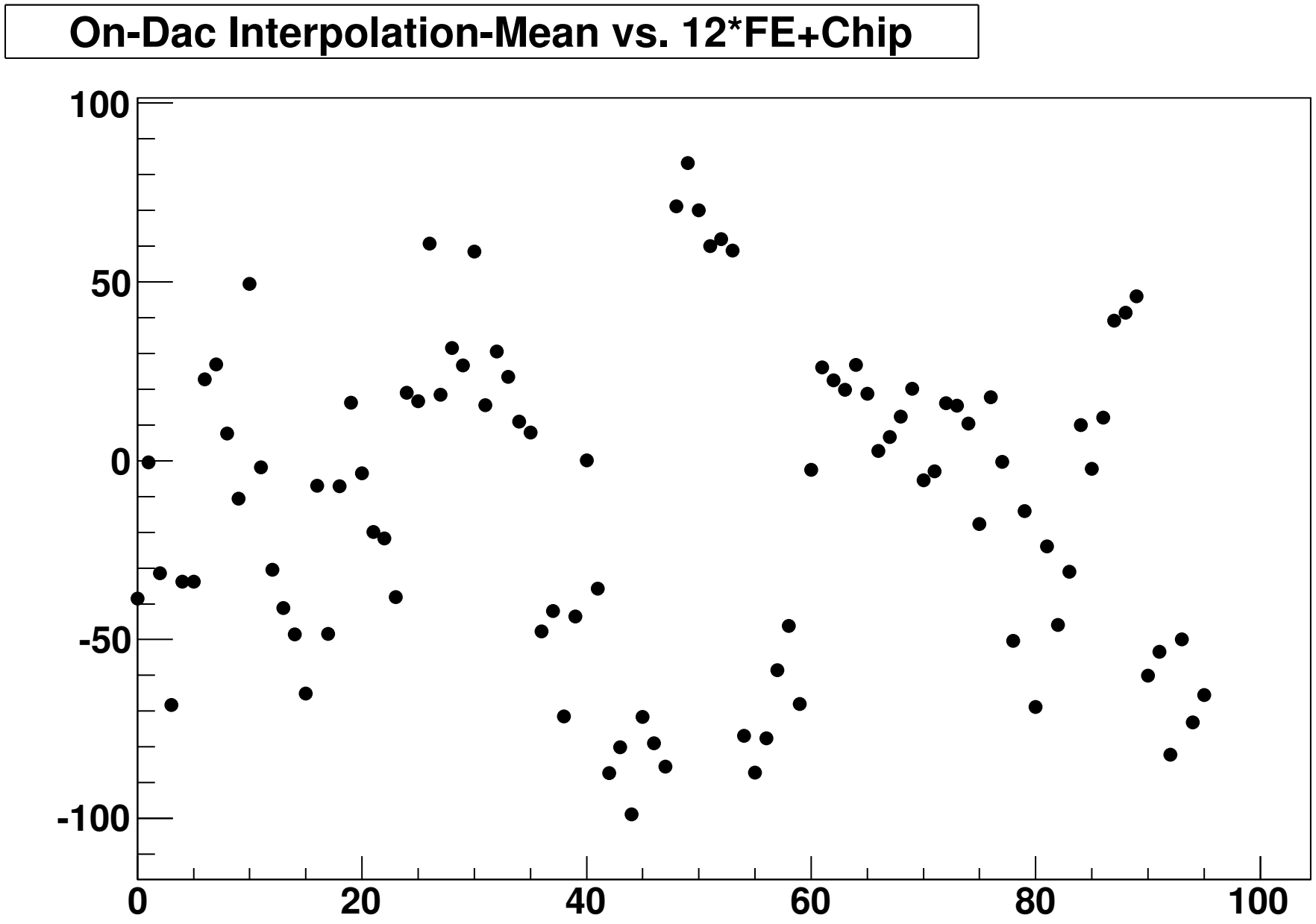

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
38
36
34
32
30
0
20
40
60
80
100

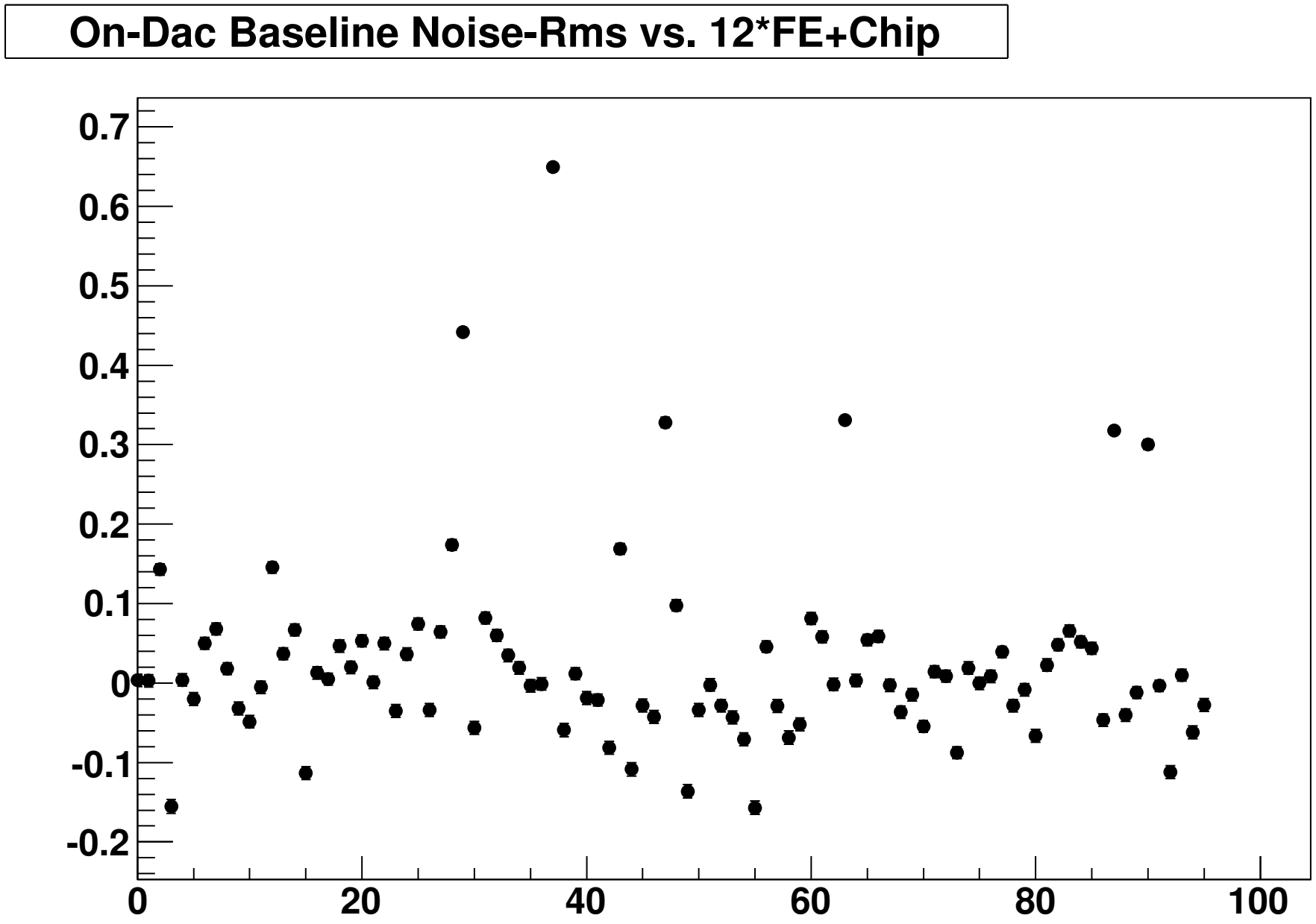

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
350
300
250
200
150
100
50
0
0
20
40
60
80
100

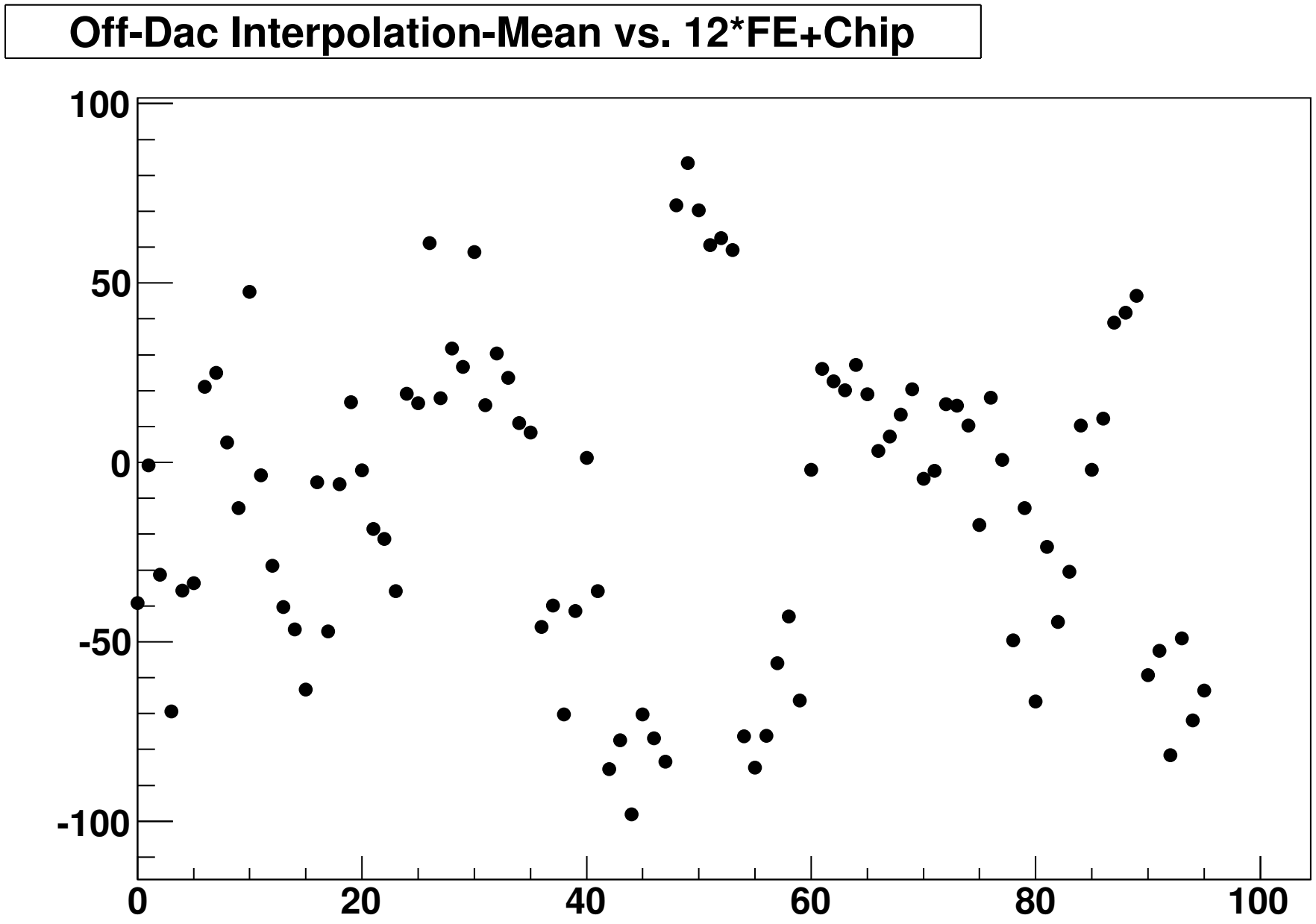

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
20
40
60
80
100

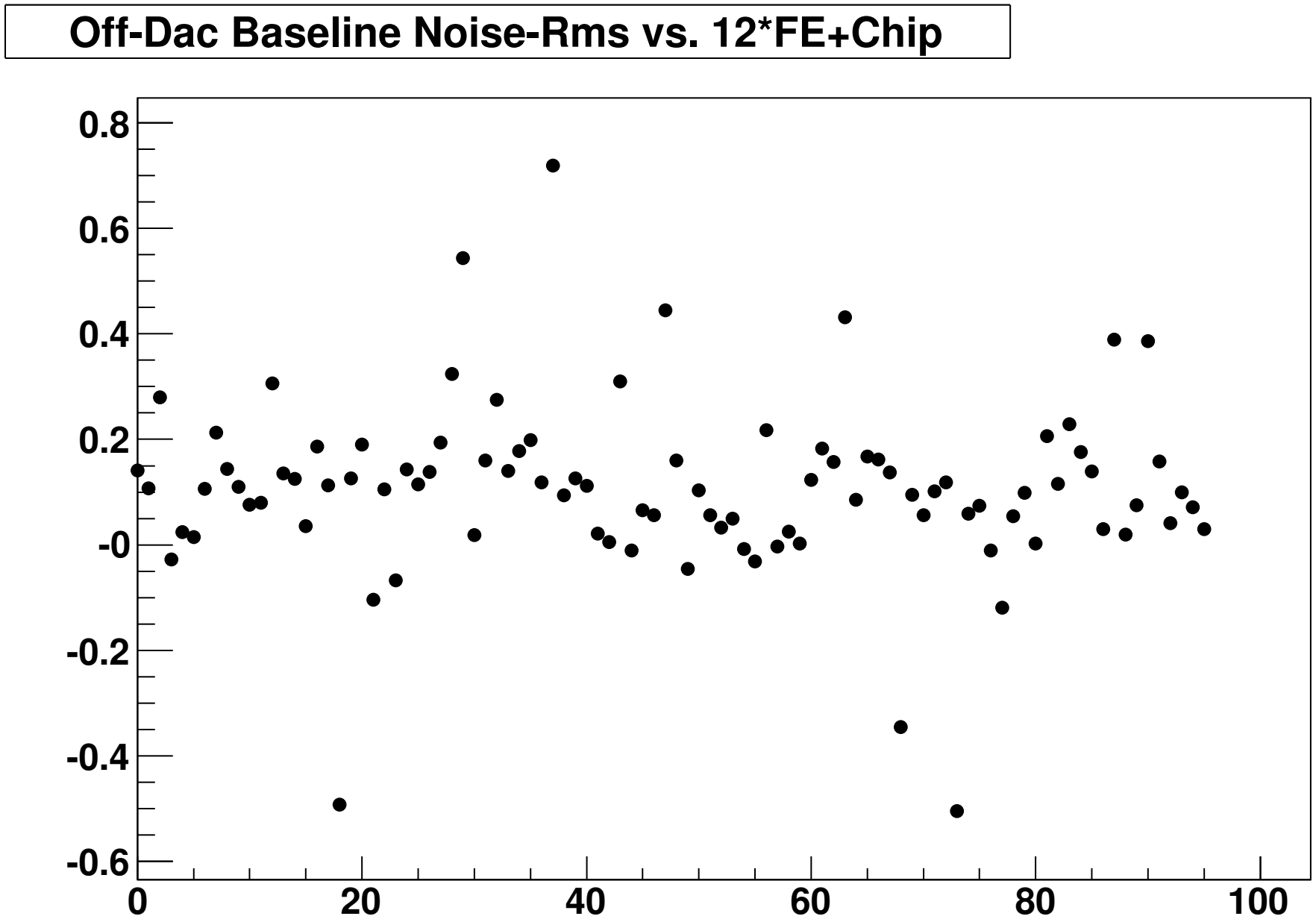

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
15
10
5
0
-5
-10
-15
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
14
12
10
8
6
4
2
0
0
20
40
60
80
100


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0
20
40
60
80
100


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


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.8
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
0
20
40
60
80
100