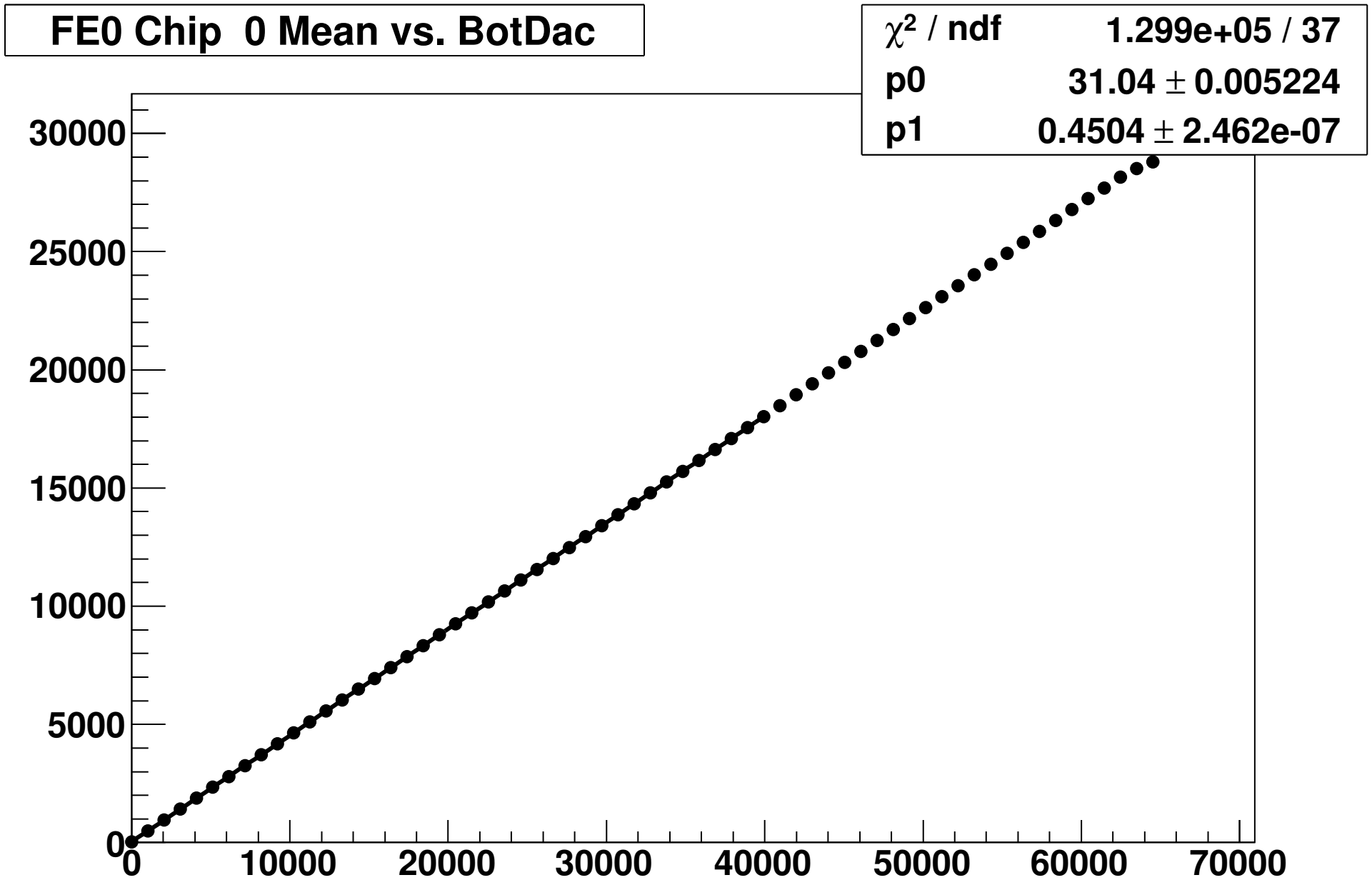
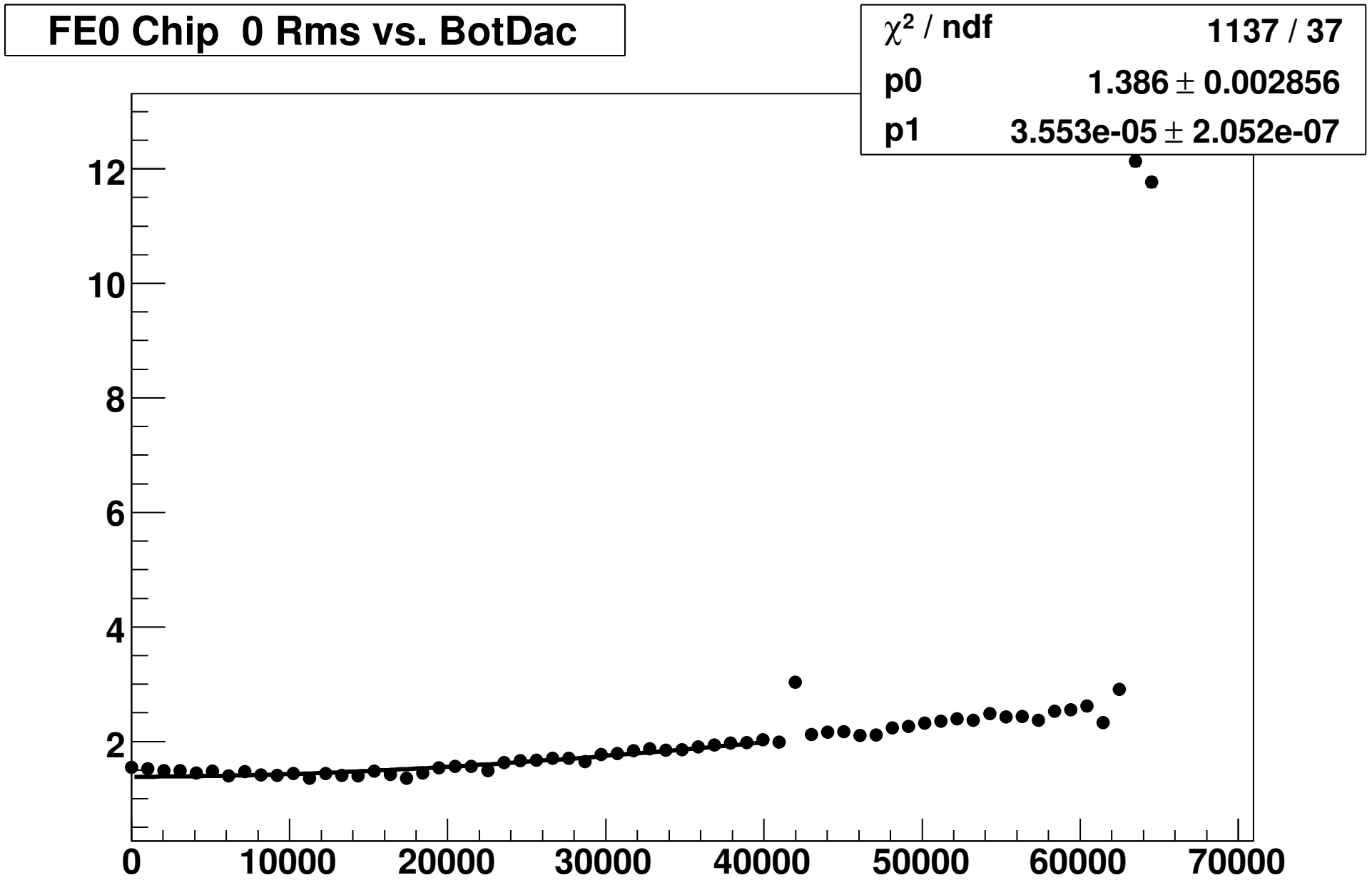

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.299e+05 / 37
p0 31.04 ± 0.005224
p1 0.4504 ± 2.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 1137 / 37
p0 1.386 ± 0.002856
p1 3.553e-05 ± 2.052e-07
12
10
8
6
4
2
0
10000
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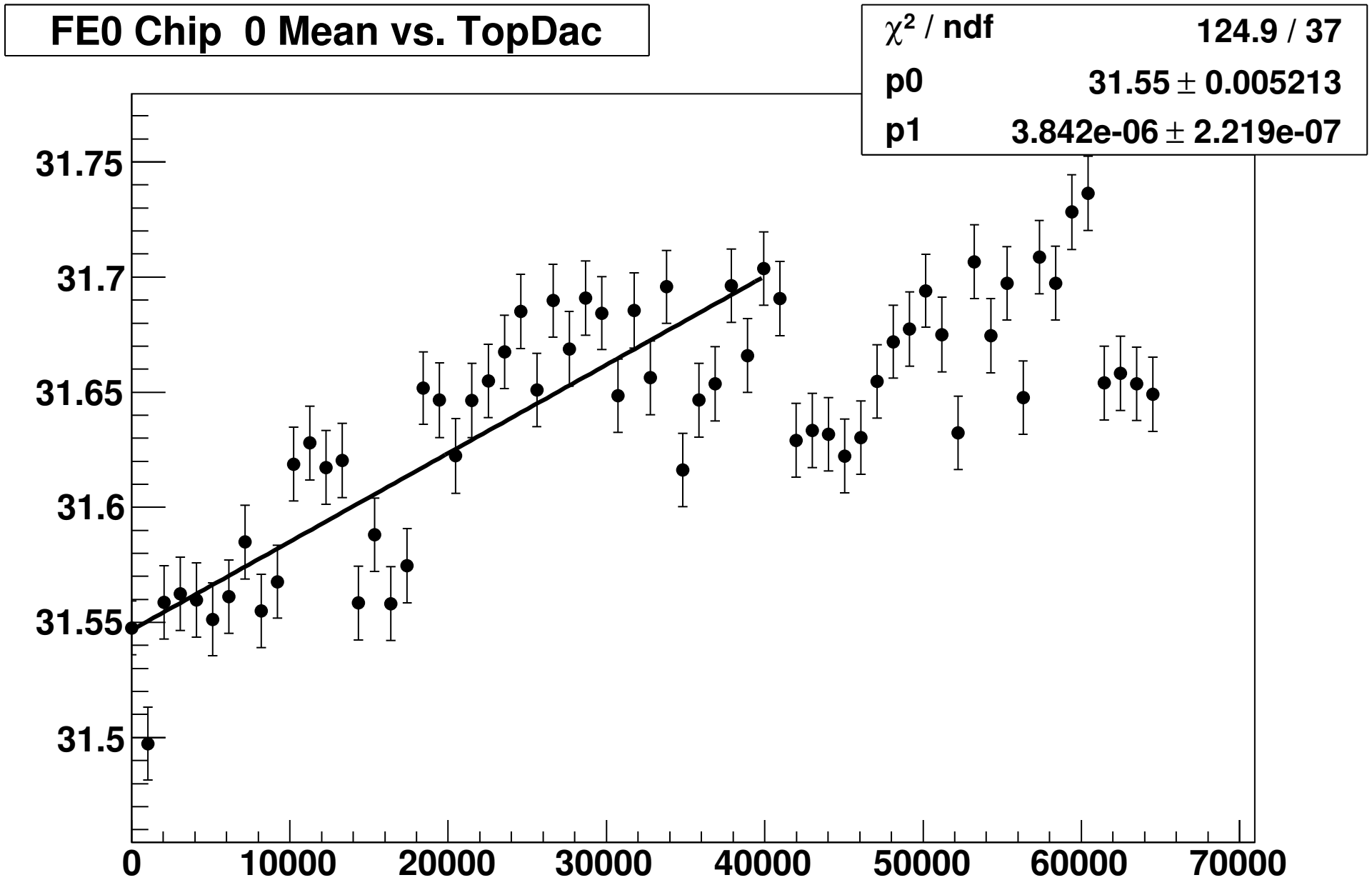
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 124.9 / 37
p0 31.55 ± 0.005213
p1 3.842e-06 ± 2.219e-07
31.75
31.7
31.65
31.6
31.55
31.5
0
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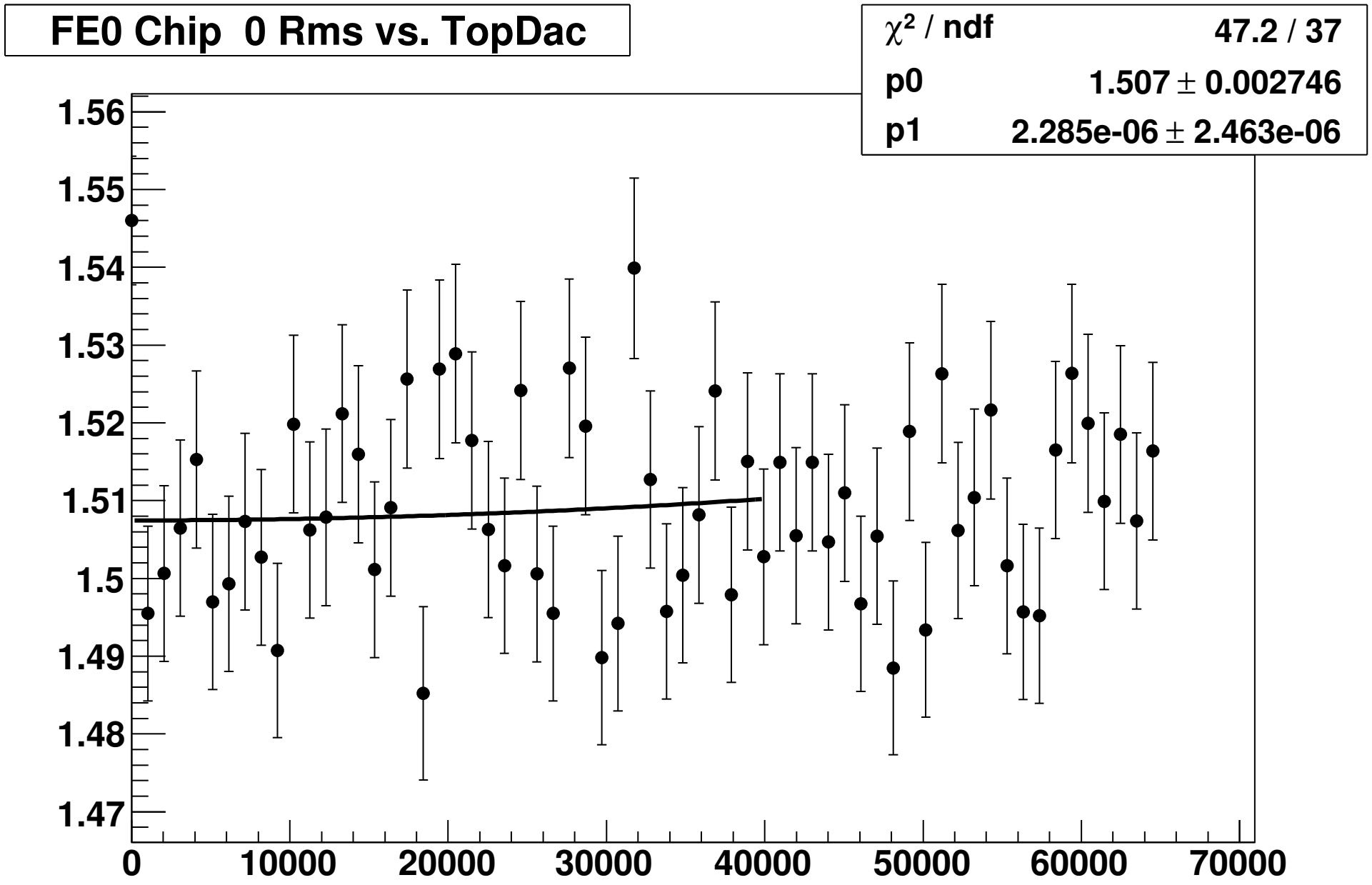
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 47.2 / 37
p0 1.507 ± 0.002746
p1 2.285e-06 ± 2.463e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
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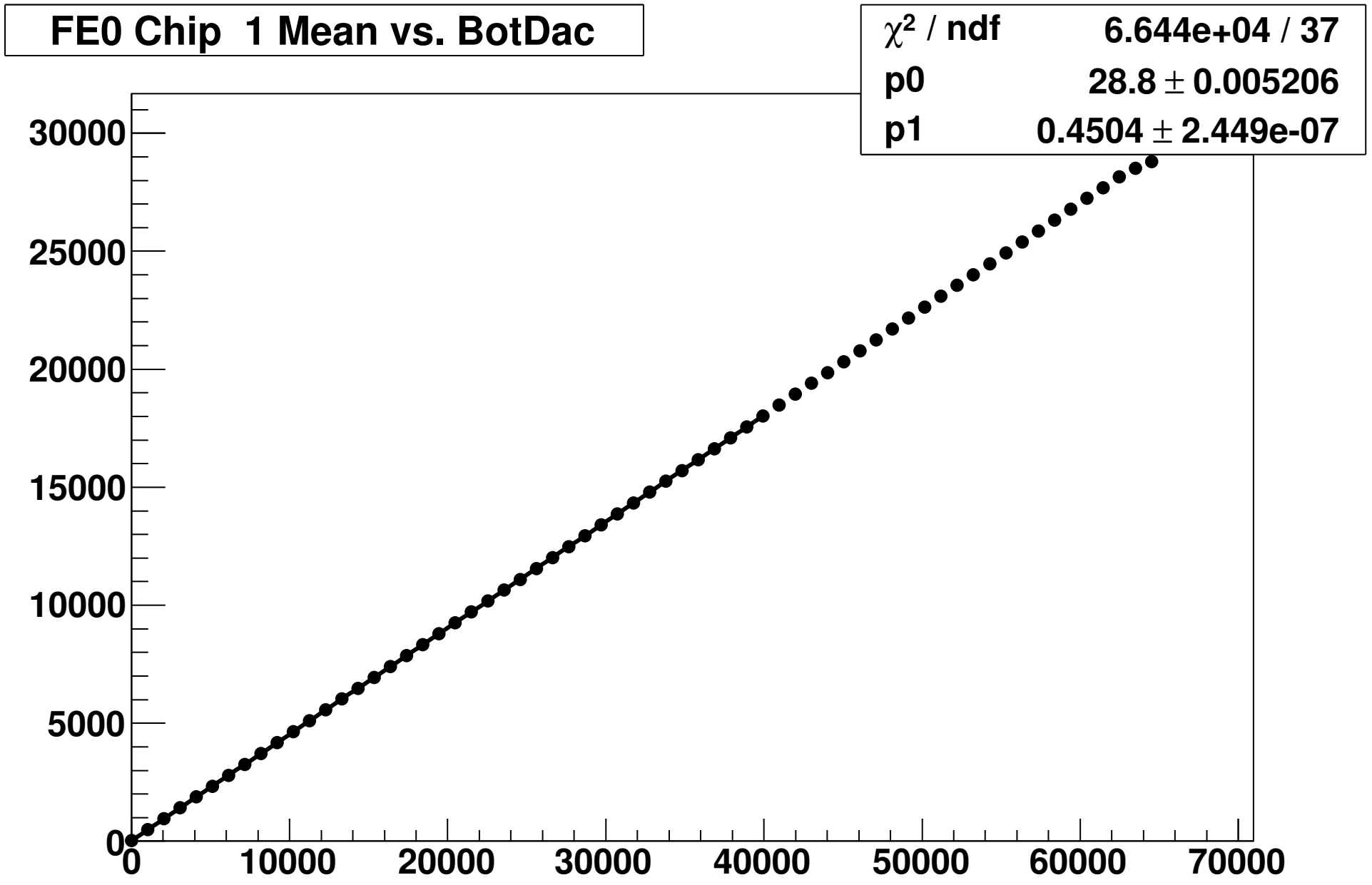
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 6.644e+04 / 37
p0 28.8 ± 0.005206
p1 0.4504 ± 2.449e-07
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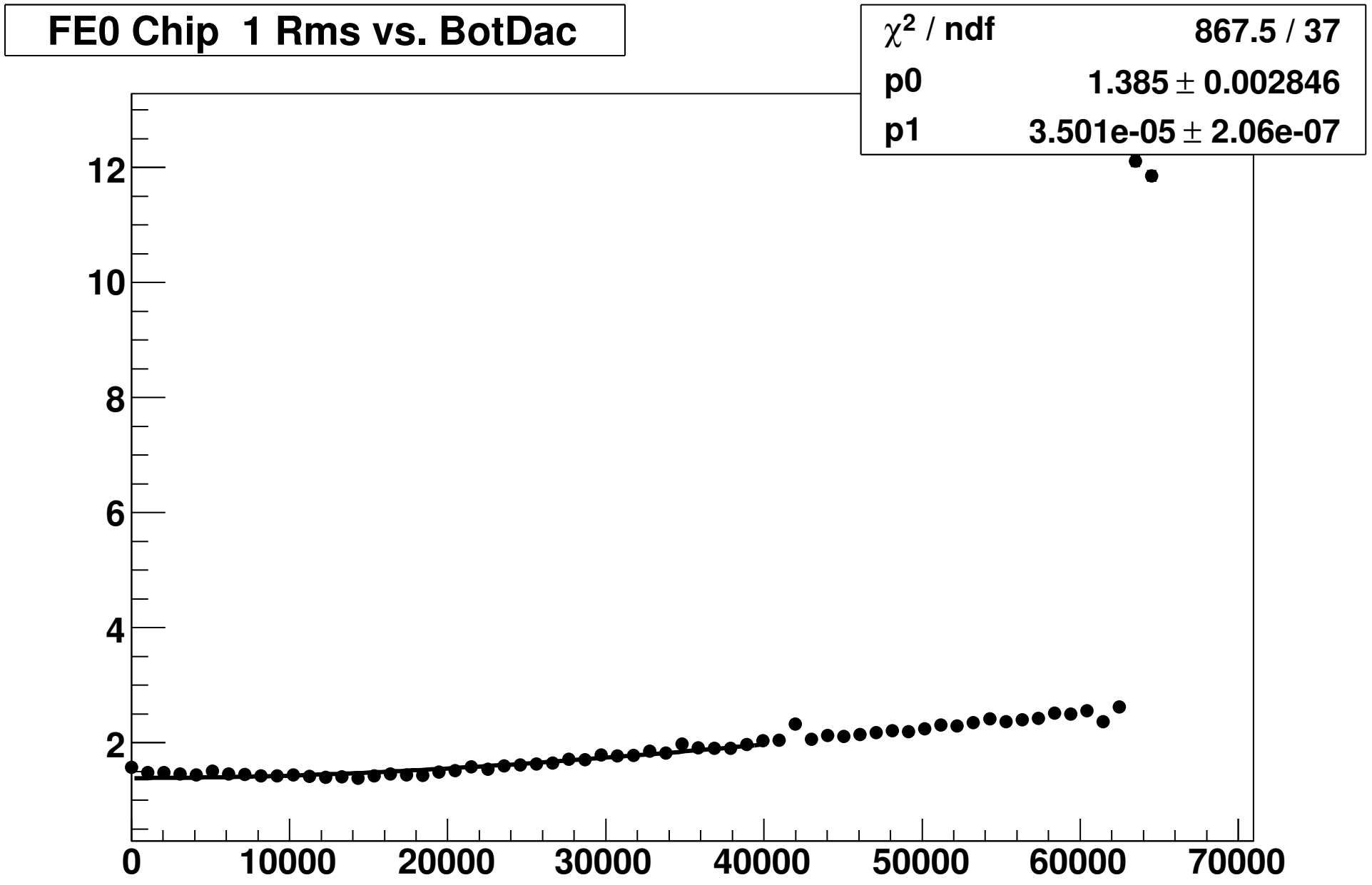
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 867.5 / 37
p0 1.385 ± 0.002846
p1 3.501e-05 ± 2.06e-07
12
10
8
6
4
2
0
10000
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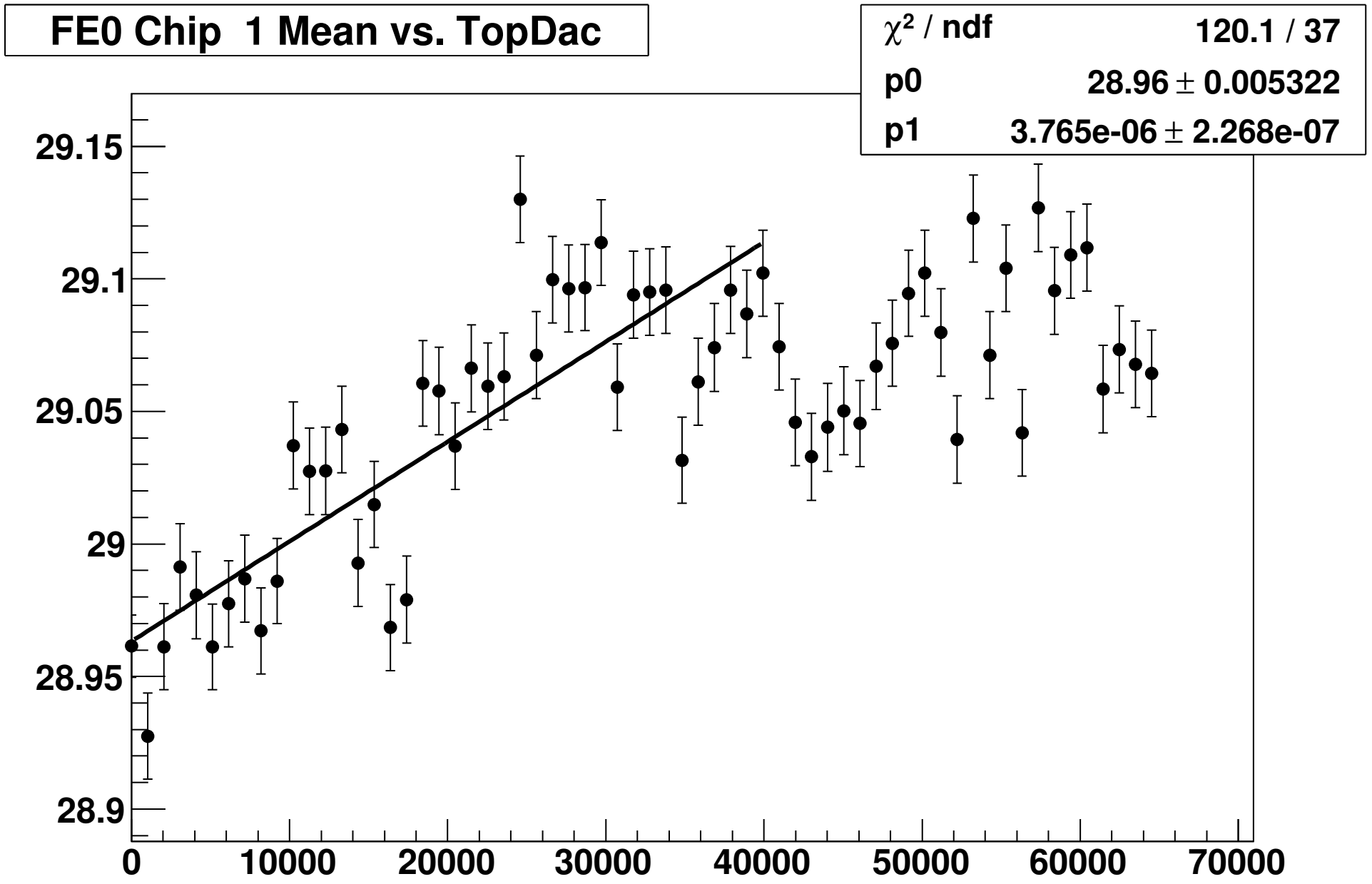
30000
40000
50000
60000
70000


FE0 Chip 1 Mean vs. TopDac
χ² / ndf 120.1 / 37
p0 28.96 ± 0.005322
p1 3.765e-06 ± 2.268e-07
29.15
29.1
29.05
29
28.95
28.9
0
10000
20000
30000
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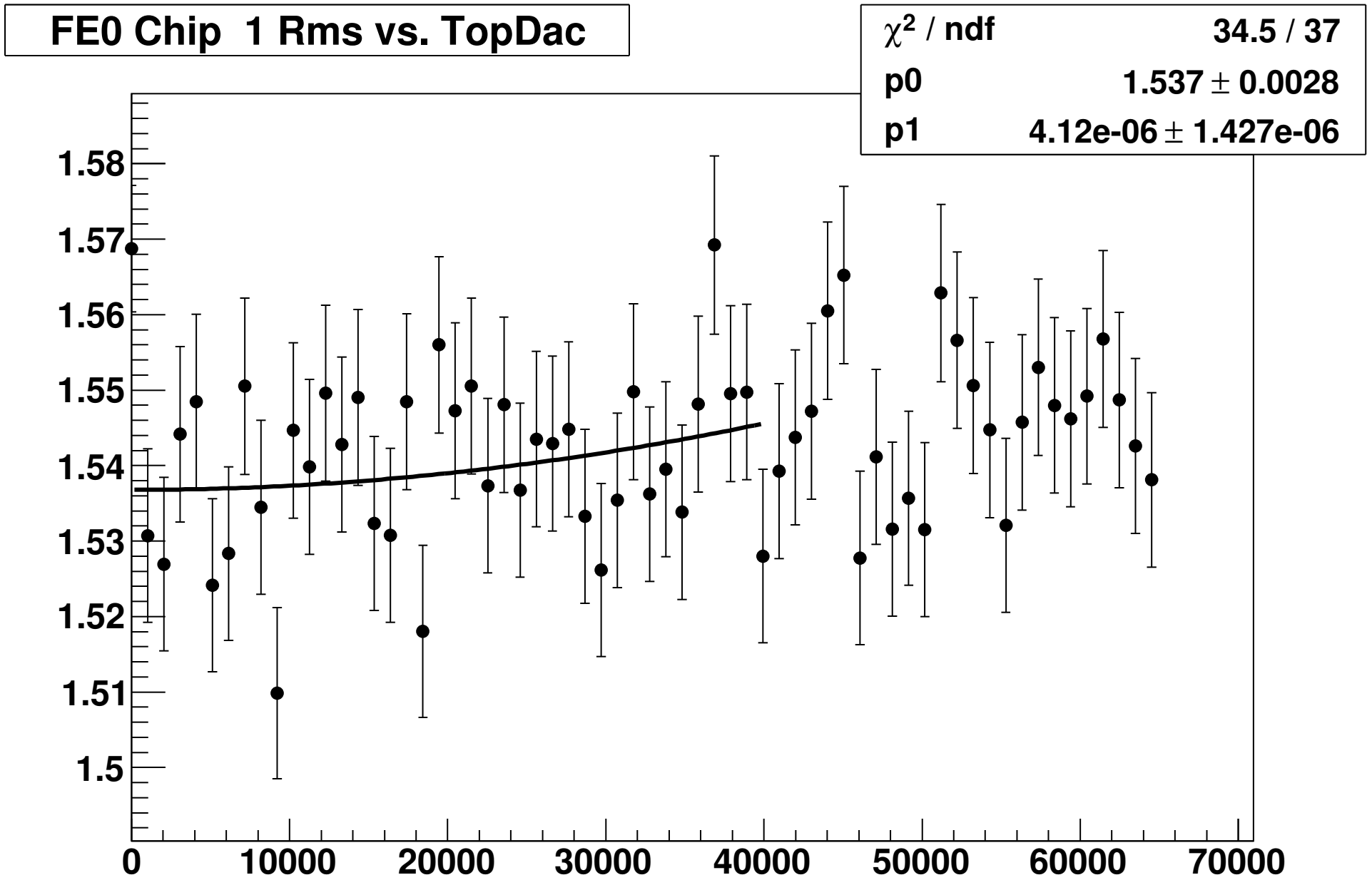
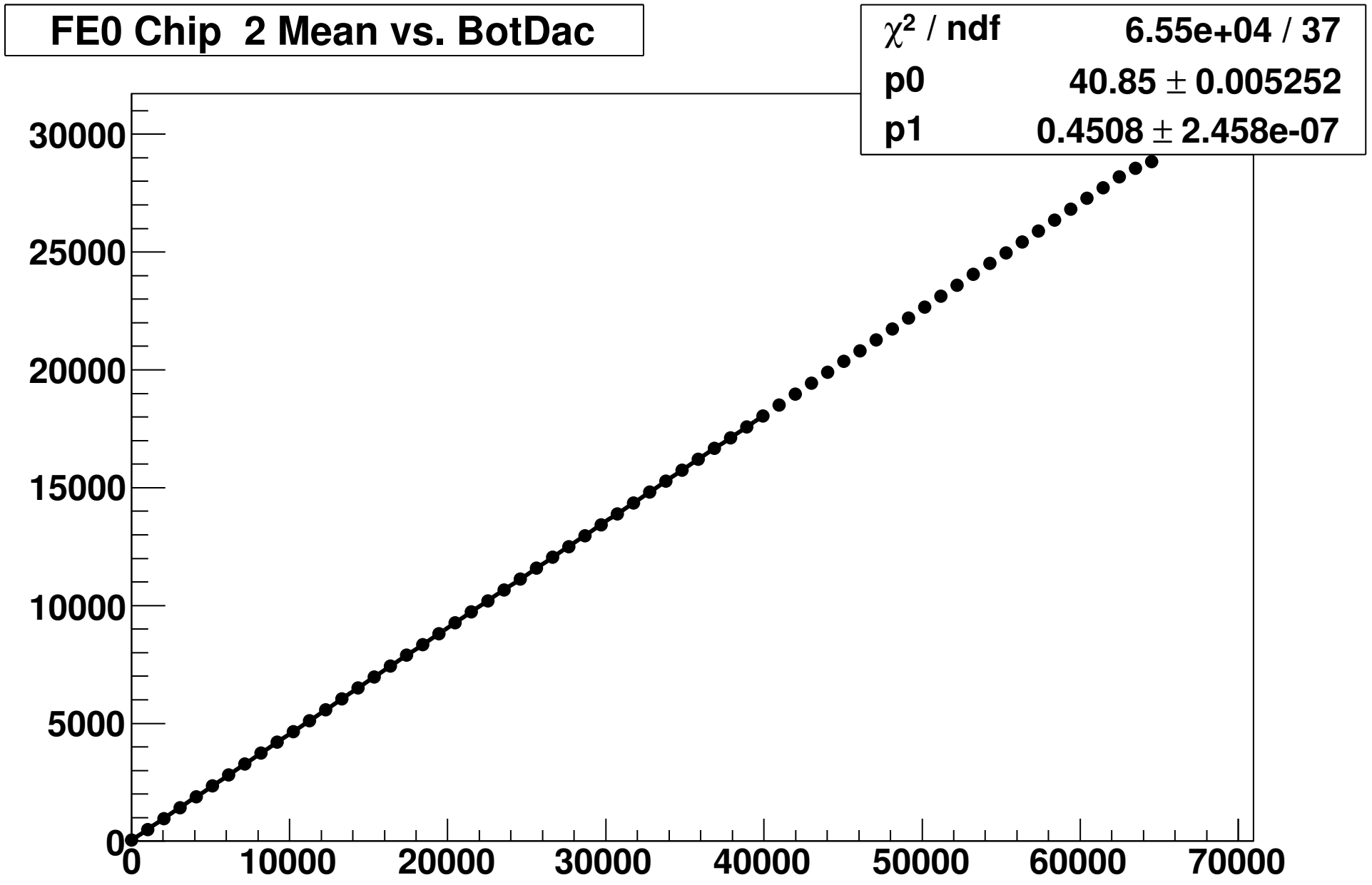
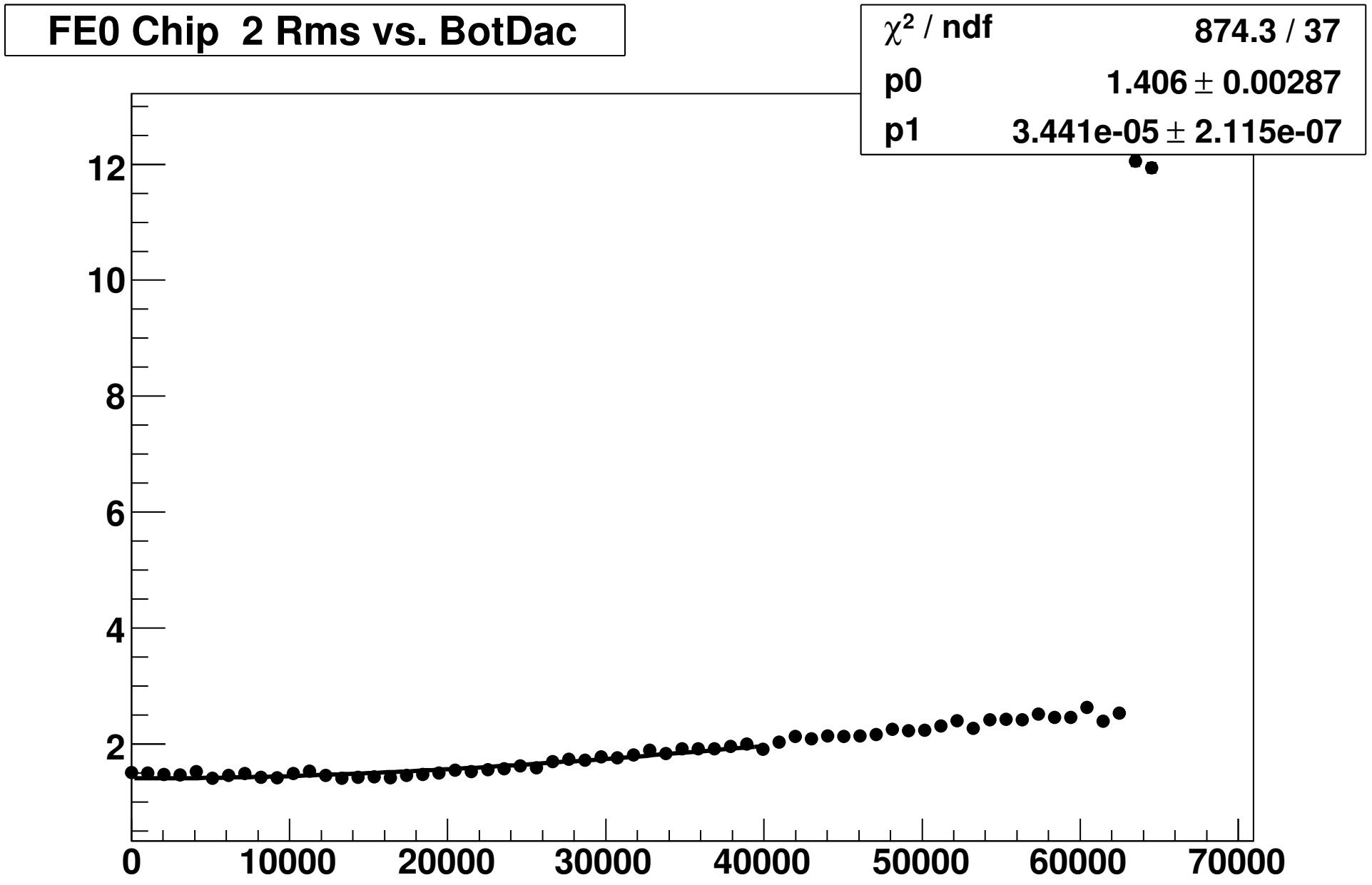
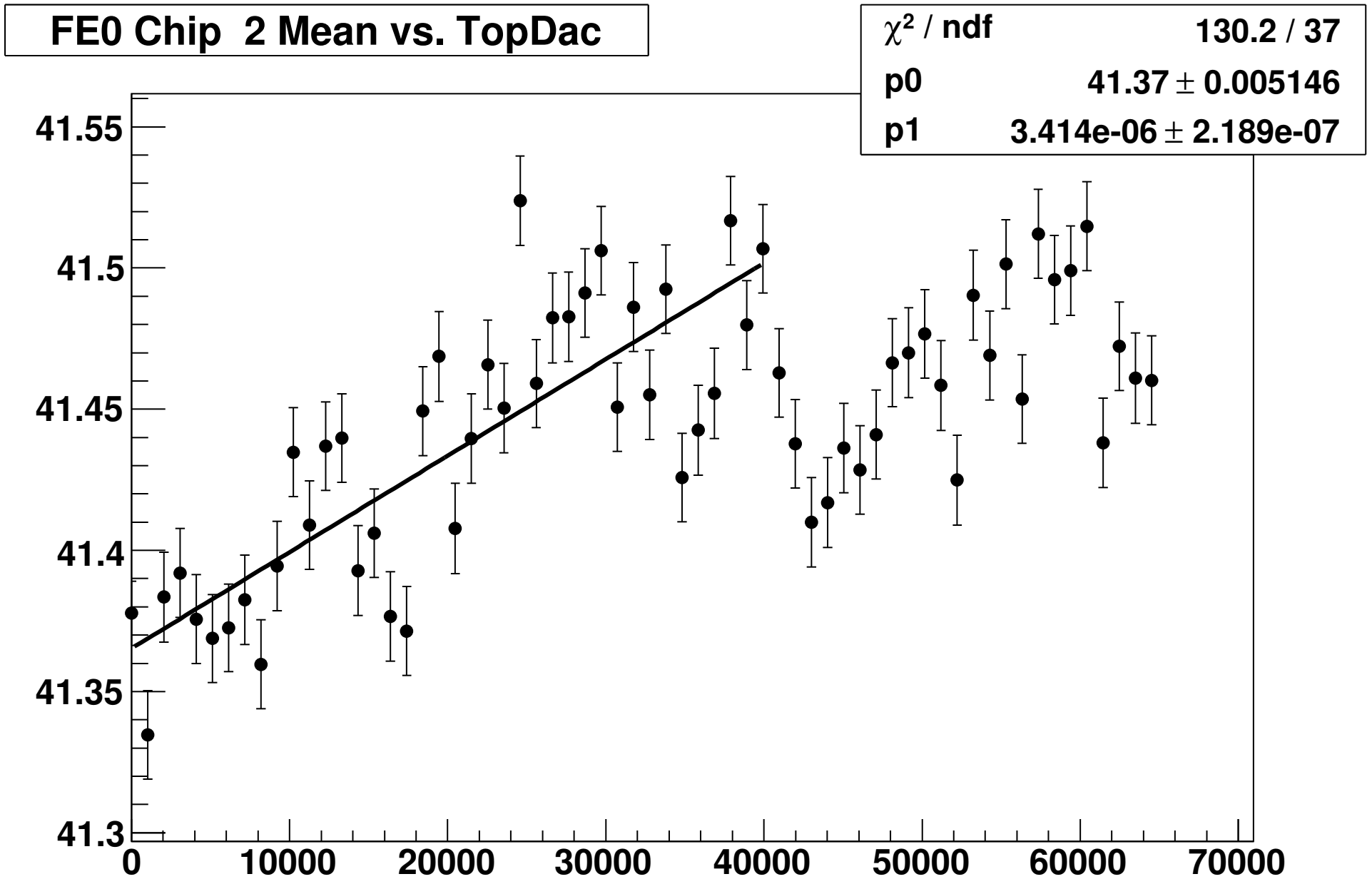
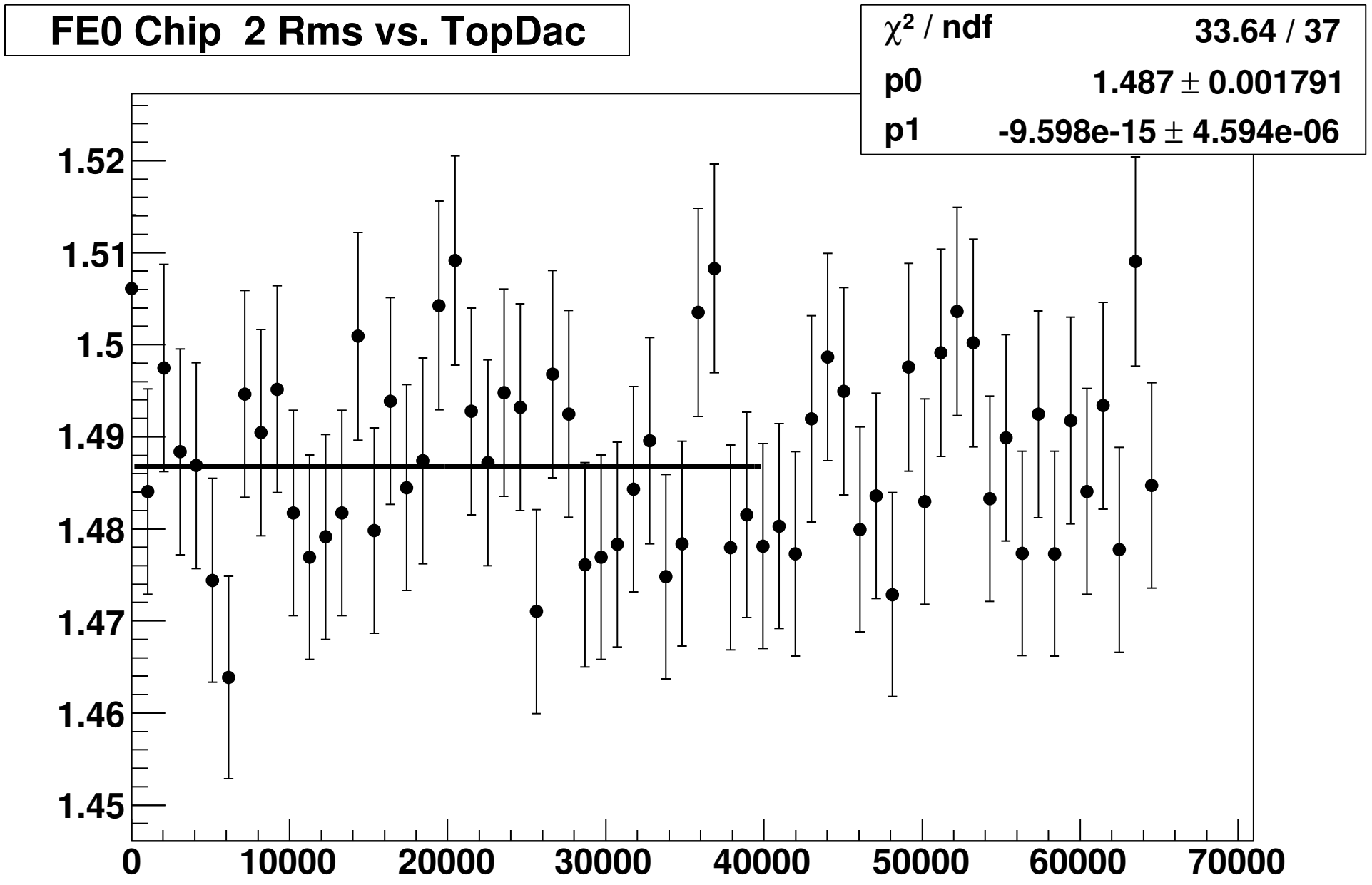
50000
60000
70000

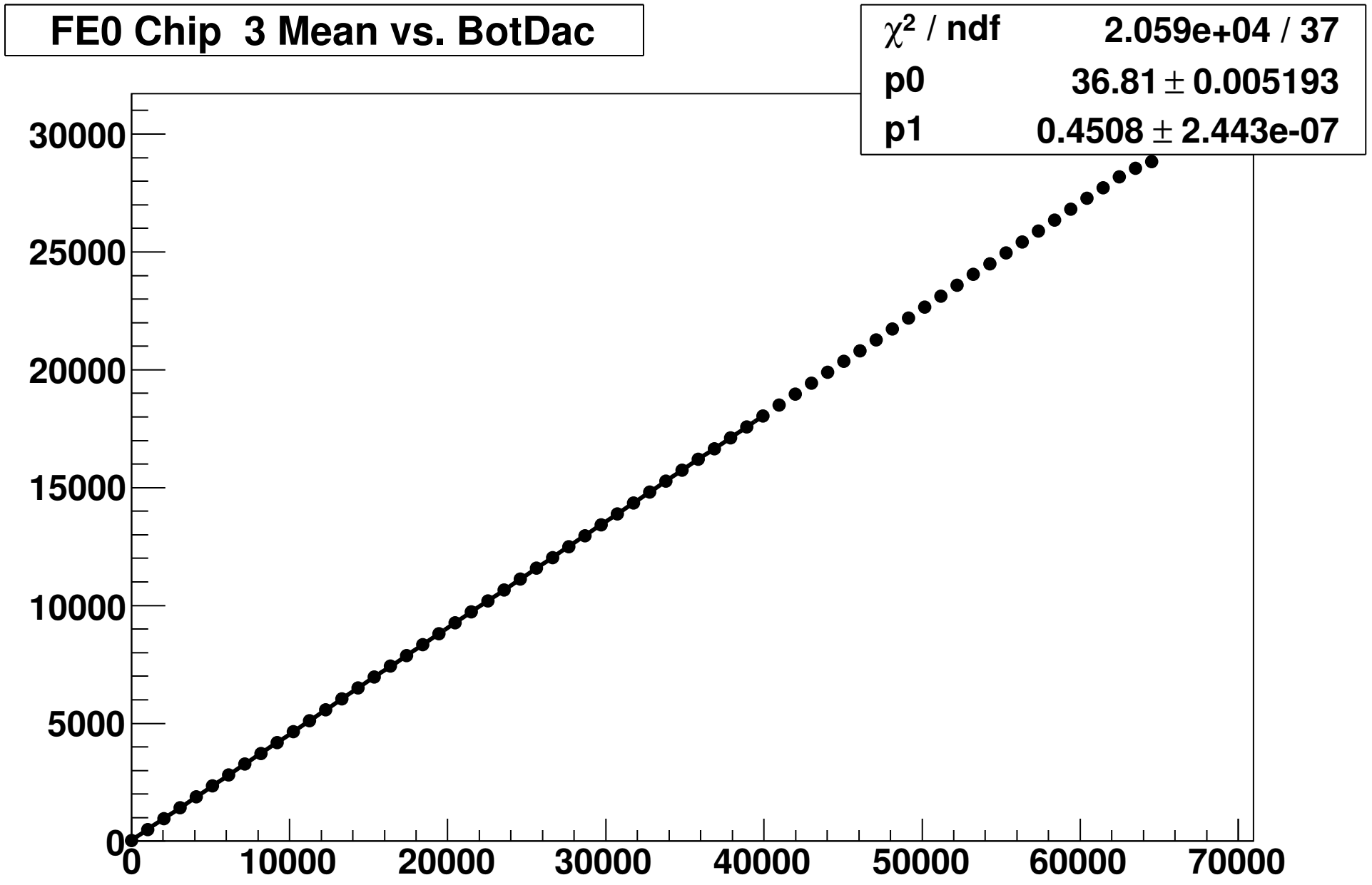

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 34.5 / 37
p0 1.537 ± 0.0028
p1 4.12e-06 ± 1.427e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

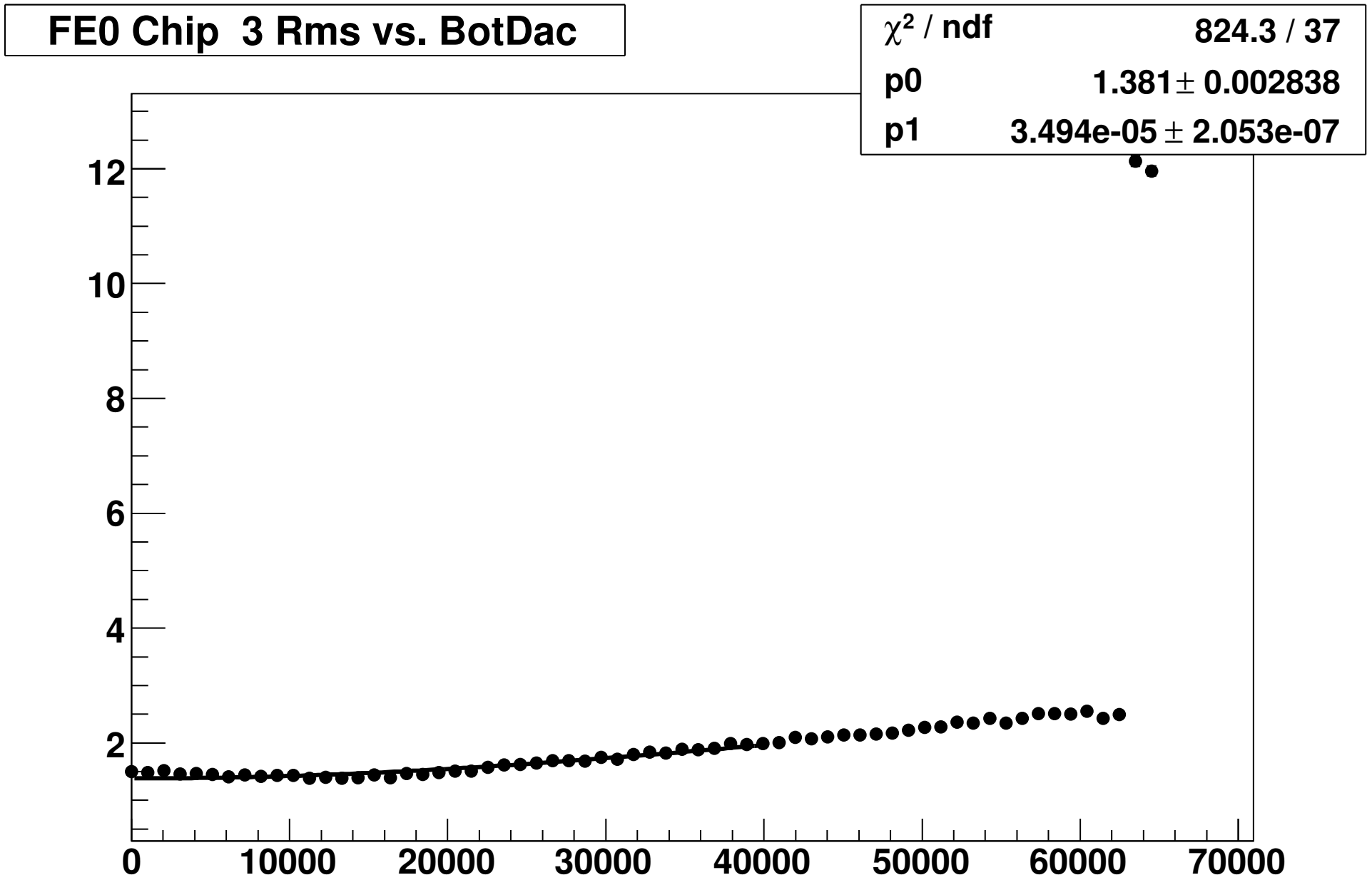

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 6.55e+04 / 37
p0 40.85 ± 0.005252
p1 0.4508 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

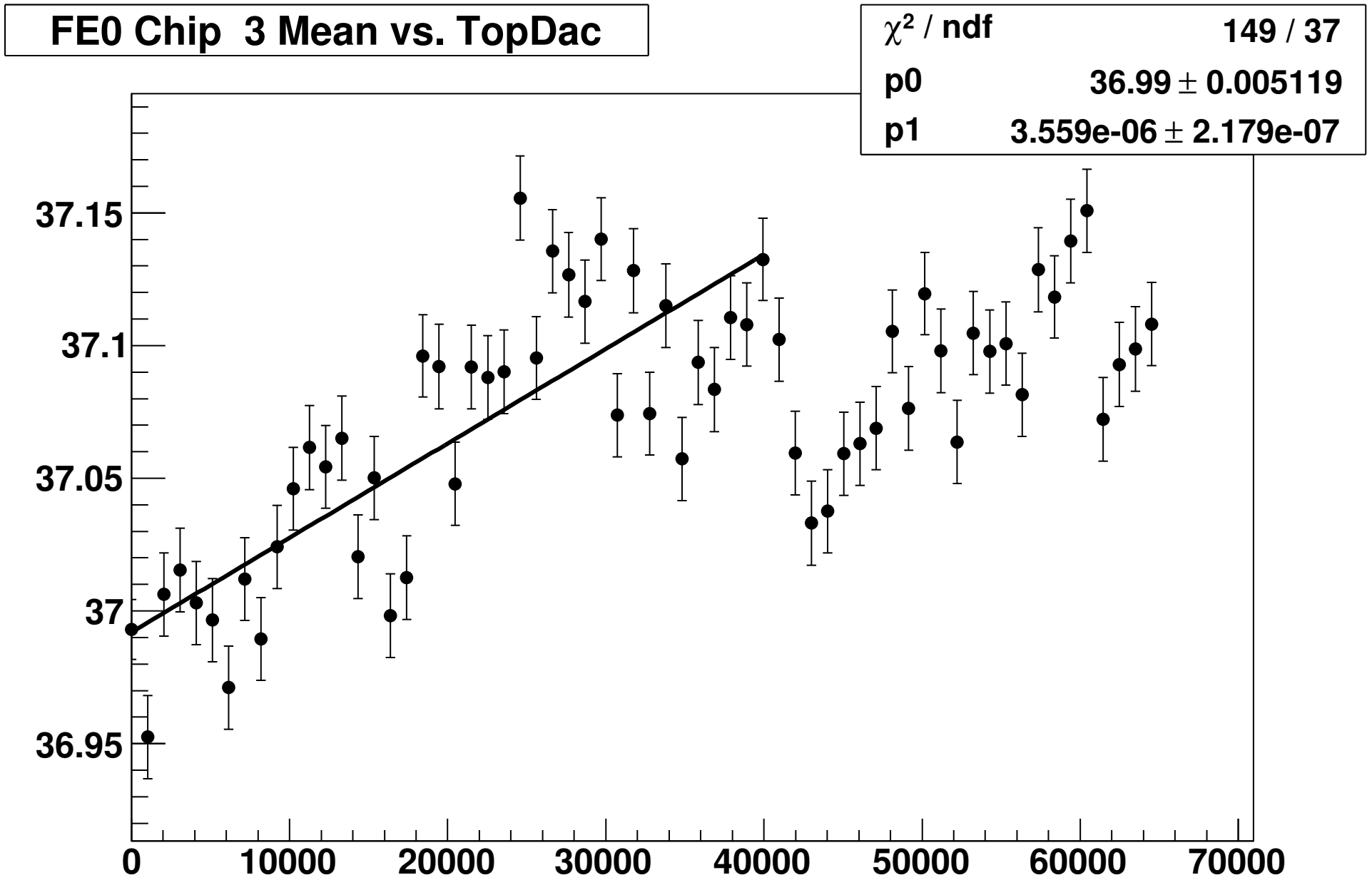

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 874.3 / 37
p0 1.406 ± 0.00287
p1 3.441e-05 ± 2.115e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

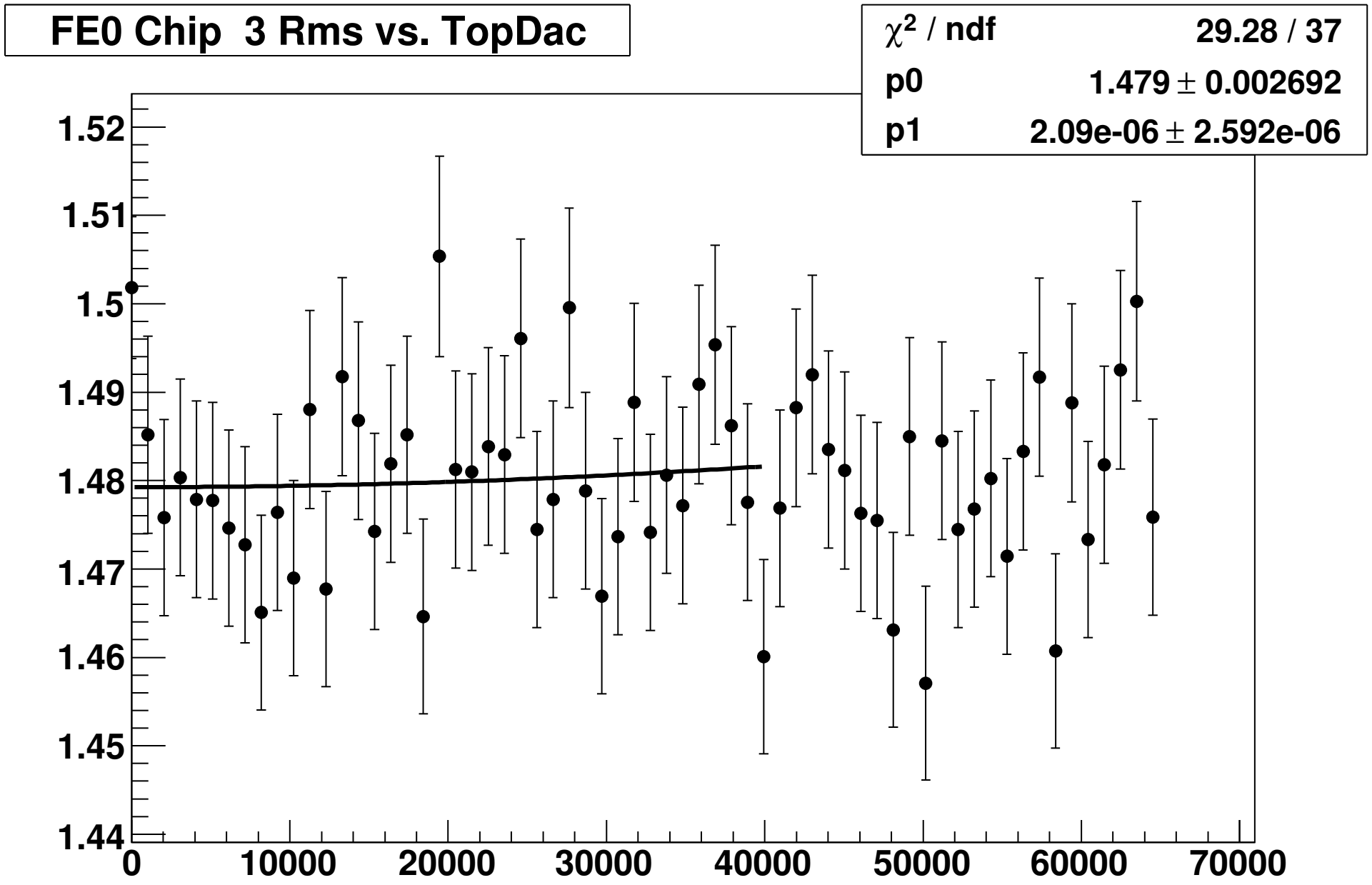

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 130.2 / 37
p0 41.37 ± 0.005146
p1 3.414e-06 ± 2.189e-07
41.55
41.5
41.45
41.4
41.35
41.3
0
10000
20000
30000
40000
50000
60000
70000

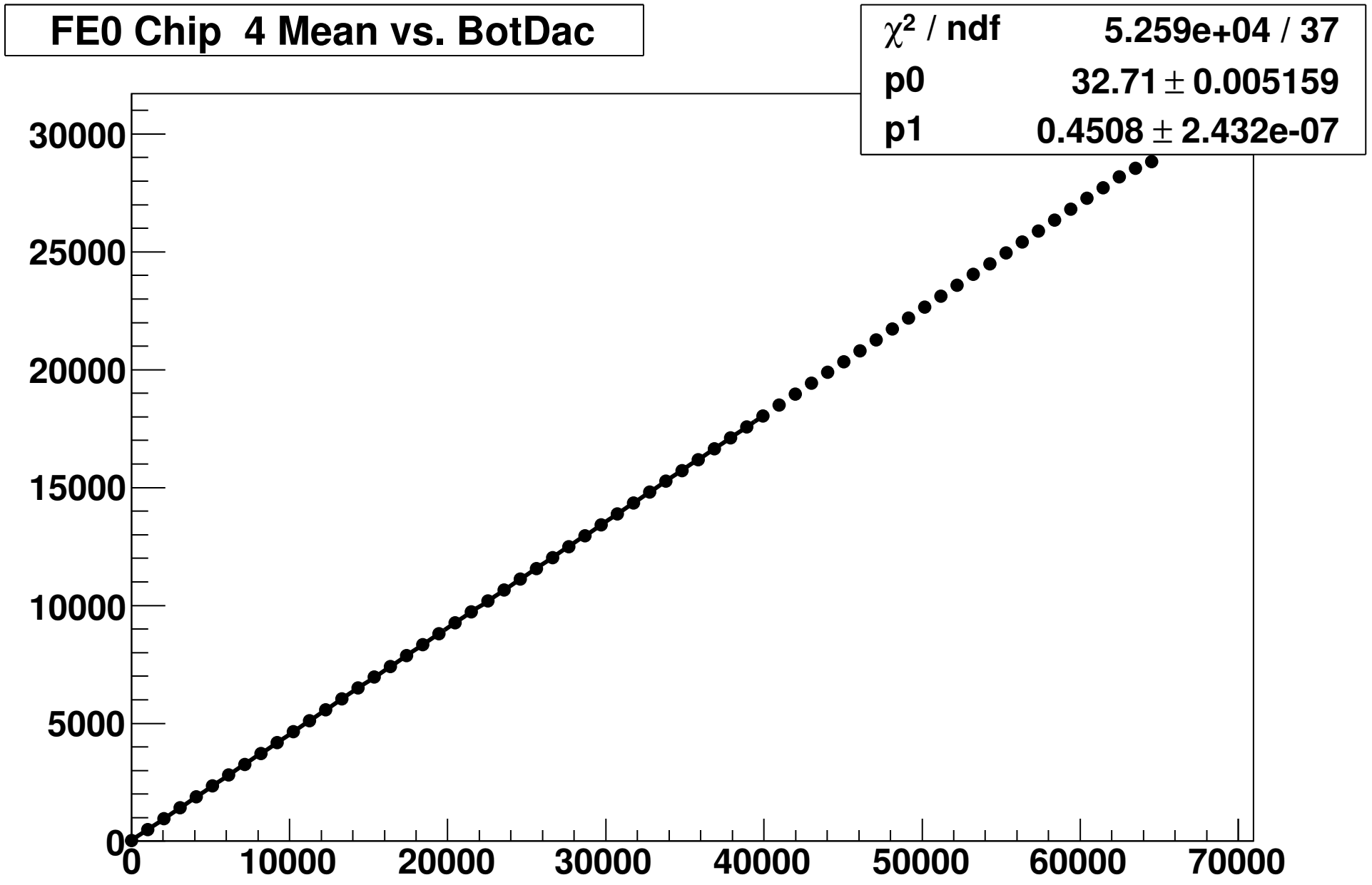

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 33.64 / 37
p0 1.487 ± 0.001791
p1 -9.598e-15 ± 4.594e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

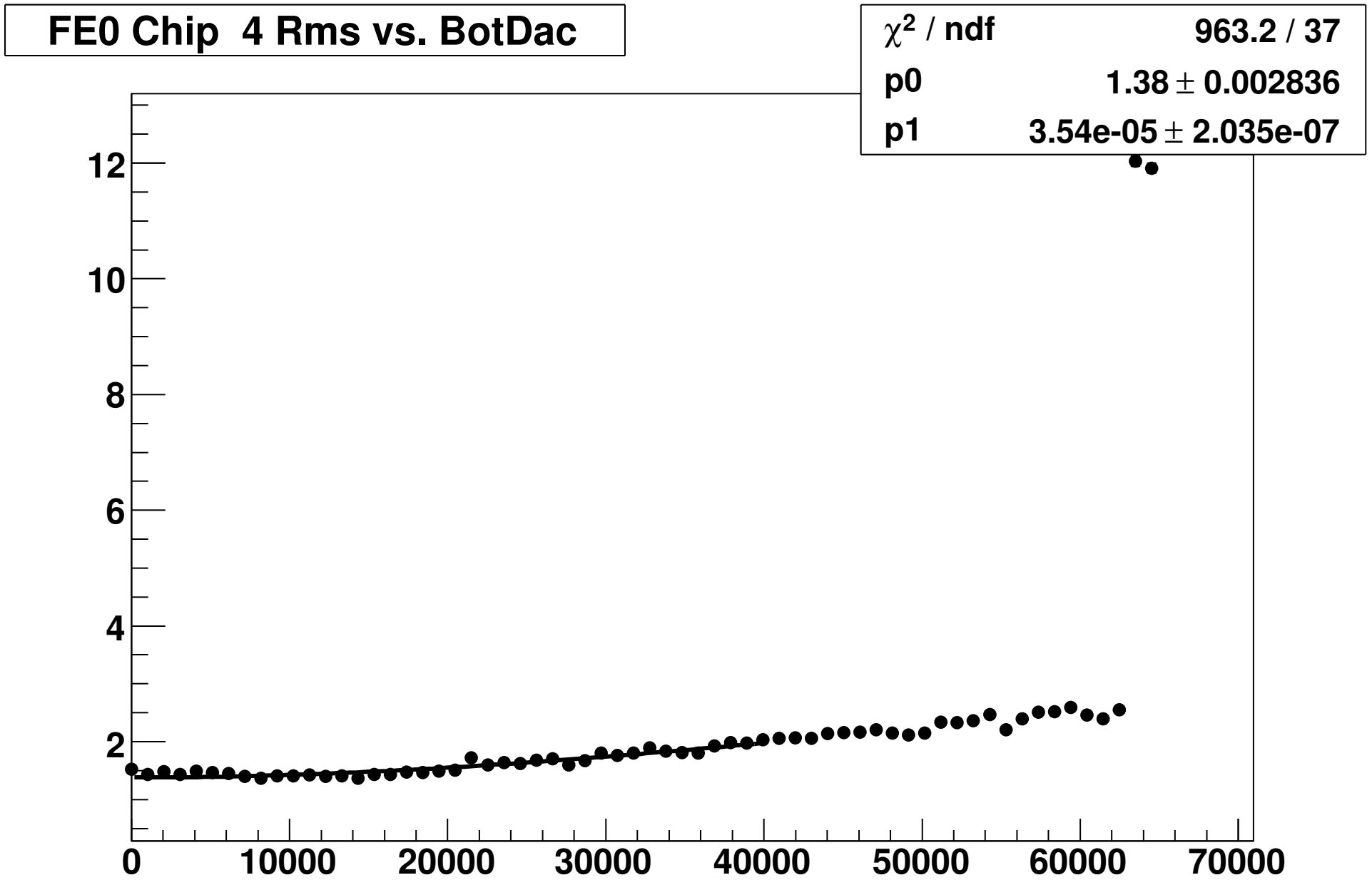

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 2.059e+04 / 37
p0 36.81 ± 0.005193
p1 0.4508 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

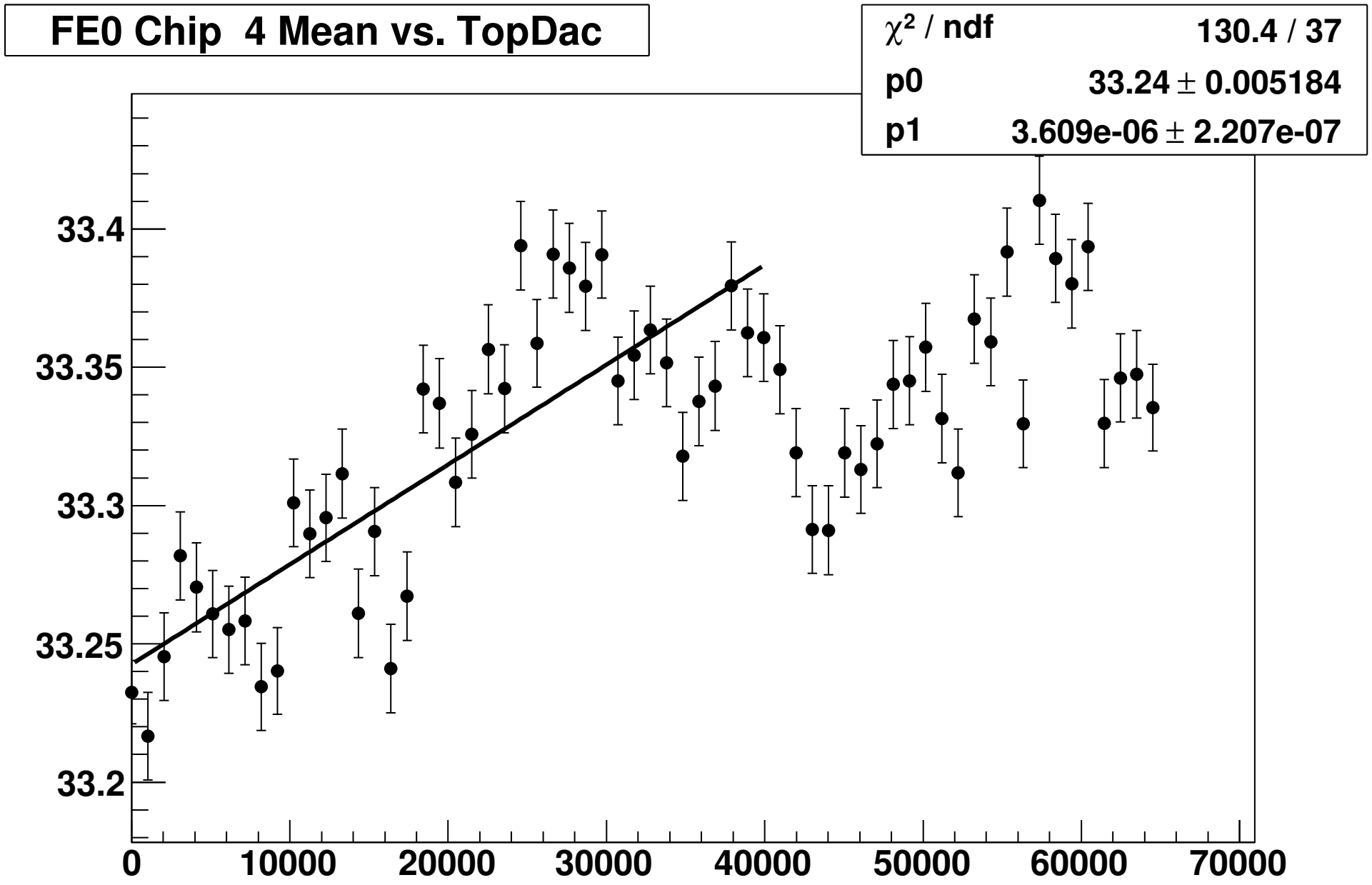

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 824.3 / 37
p0 1.381 ± 0.002838
p1 3.494e-05 ± 2.053e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

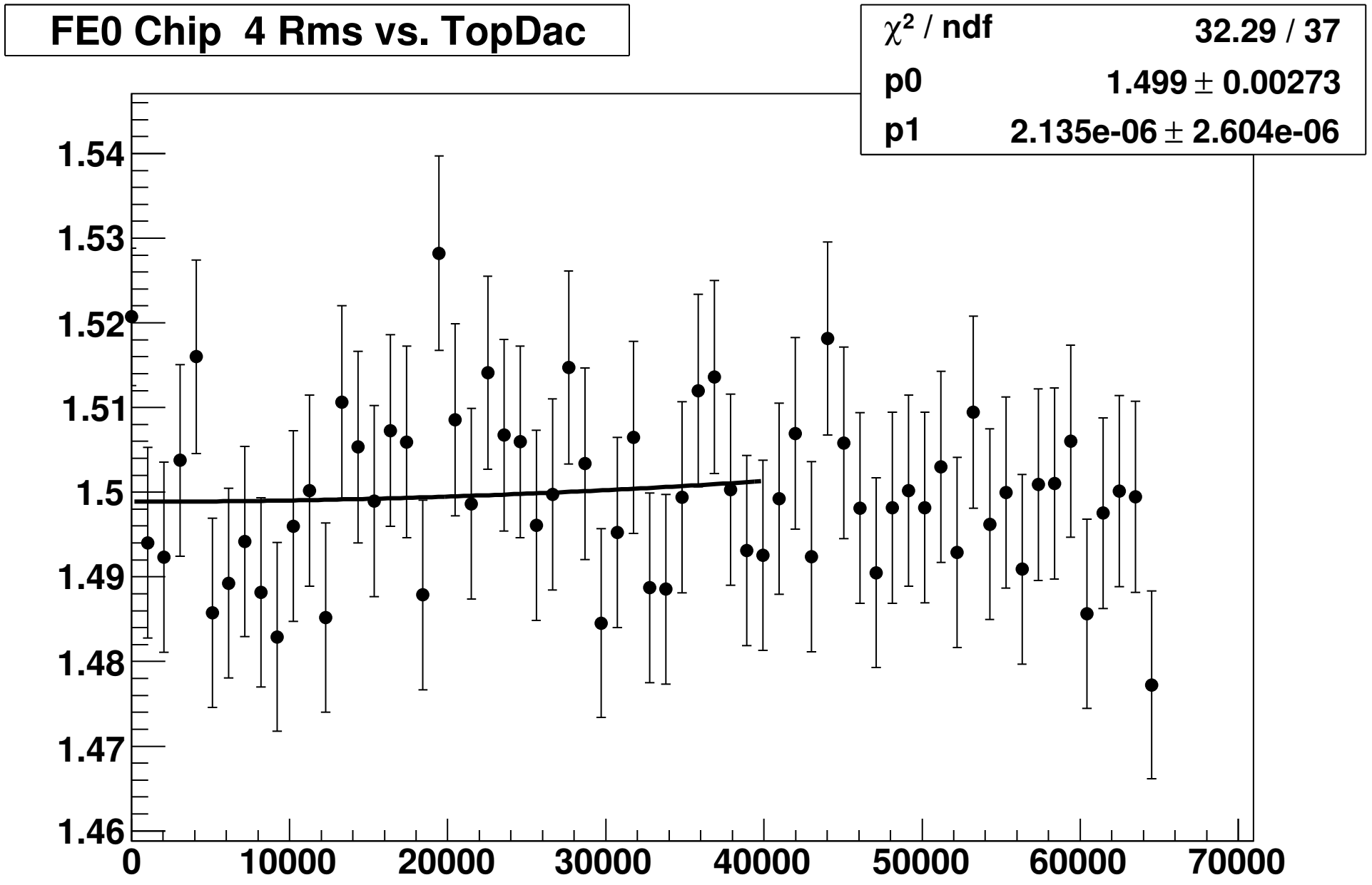

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 149 / 37
p0 36.99 ± 0.005119
p1 3.559e-06 ± 2.179e-07
37.15
37.1
37.05
37
36.95
0
10000
20000
30000
40000
50000
60000
70000

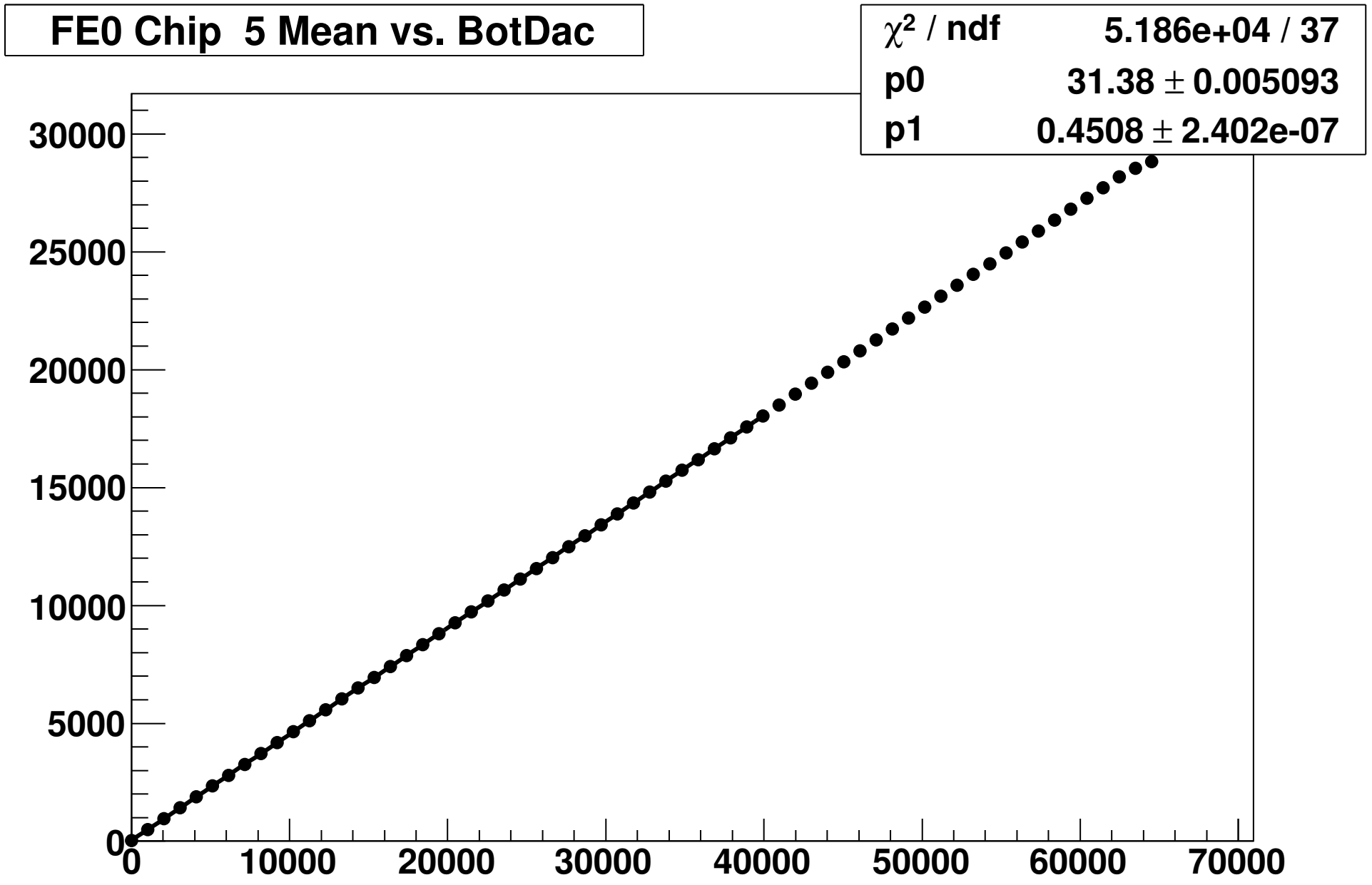

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 29.28 / 37
p0 1.479 ± 0.002692
p1 2.09e-06 ± 2.592e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

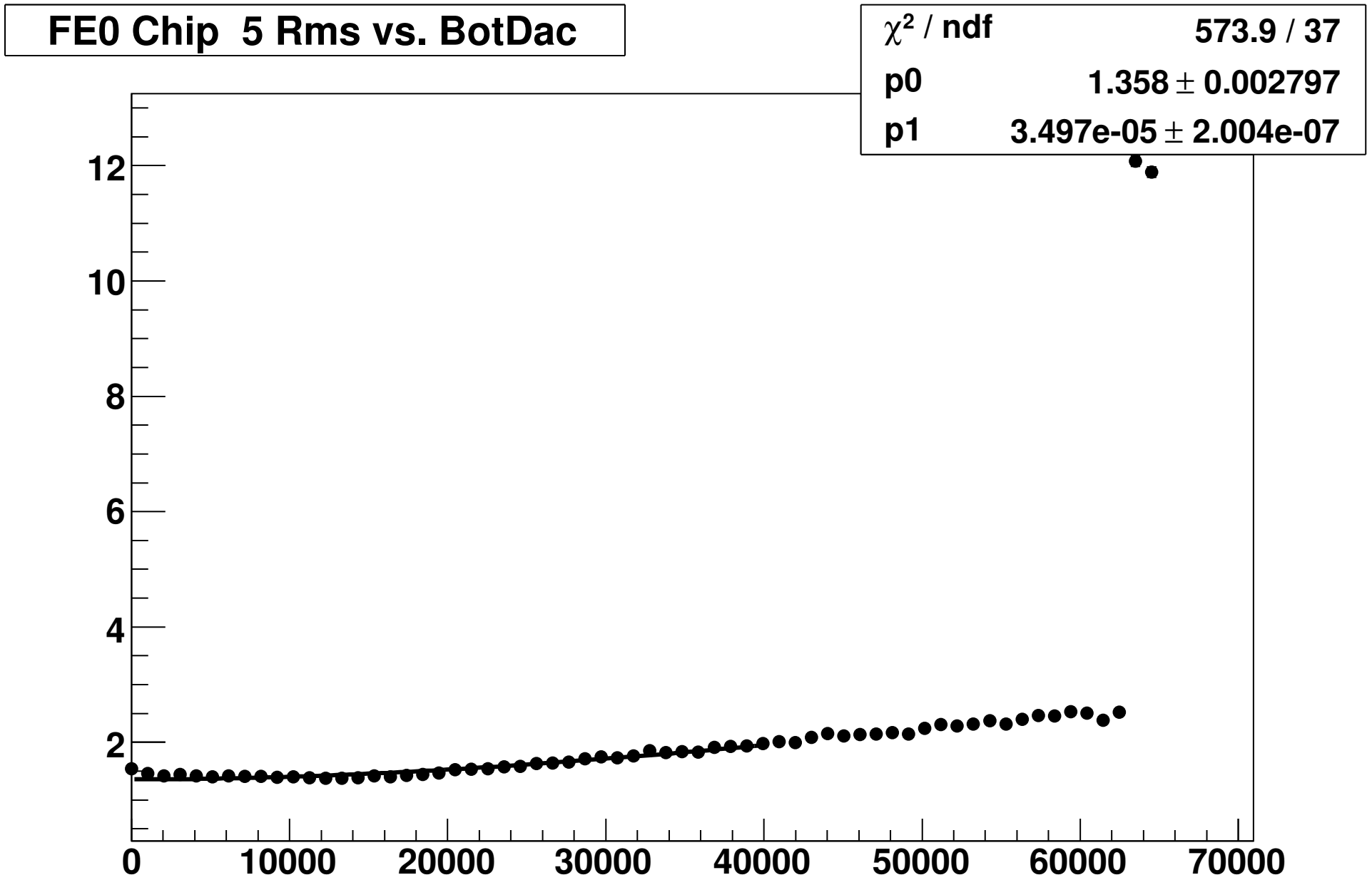

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 5.259e+04 / 37
p0 32.71 ± 0.005159
p1 0.4508 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

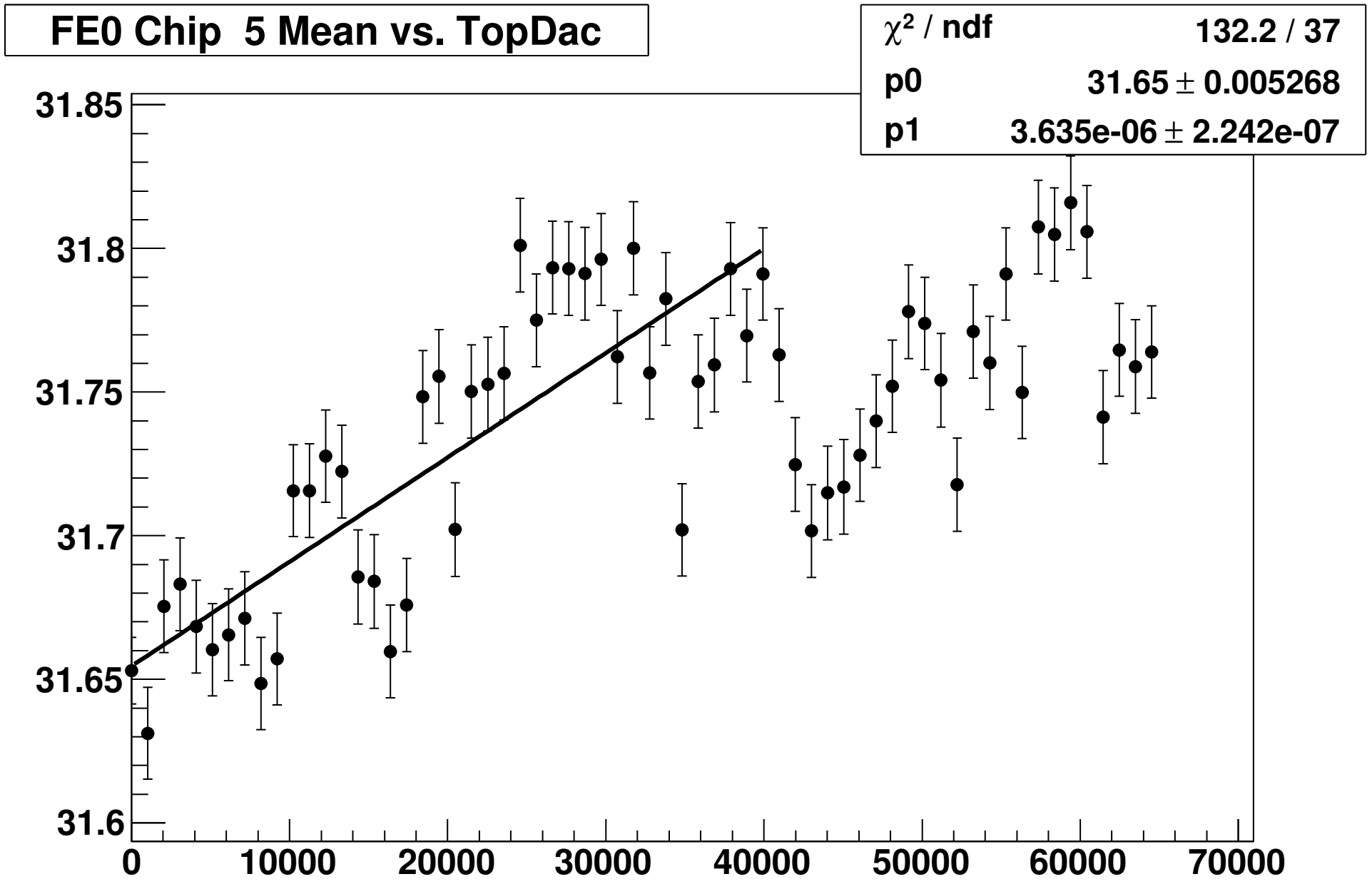

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 963.2 / 37
p0 1.38 ± 0.002836
p1 3.54e-05 ± 2.035e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

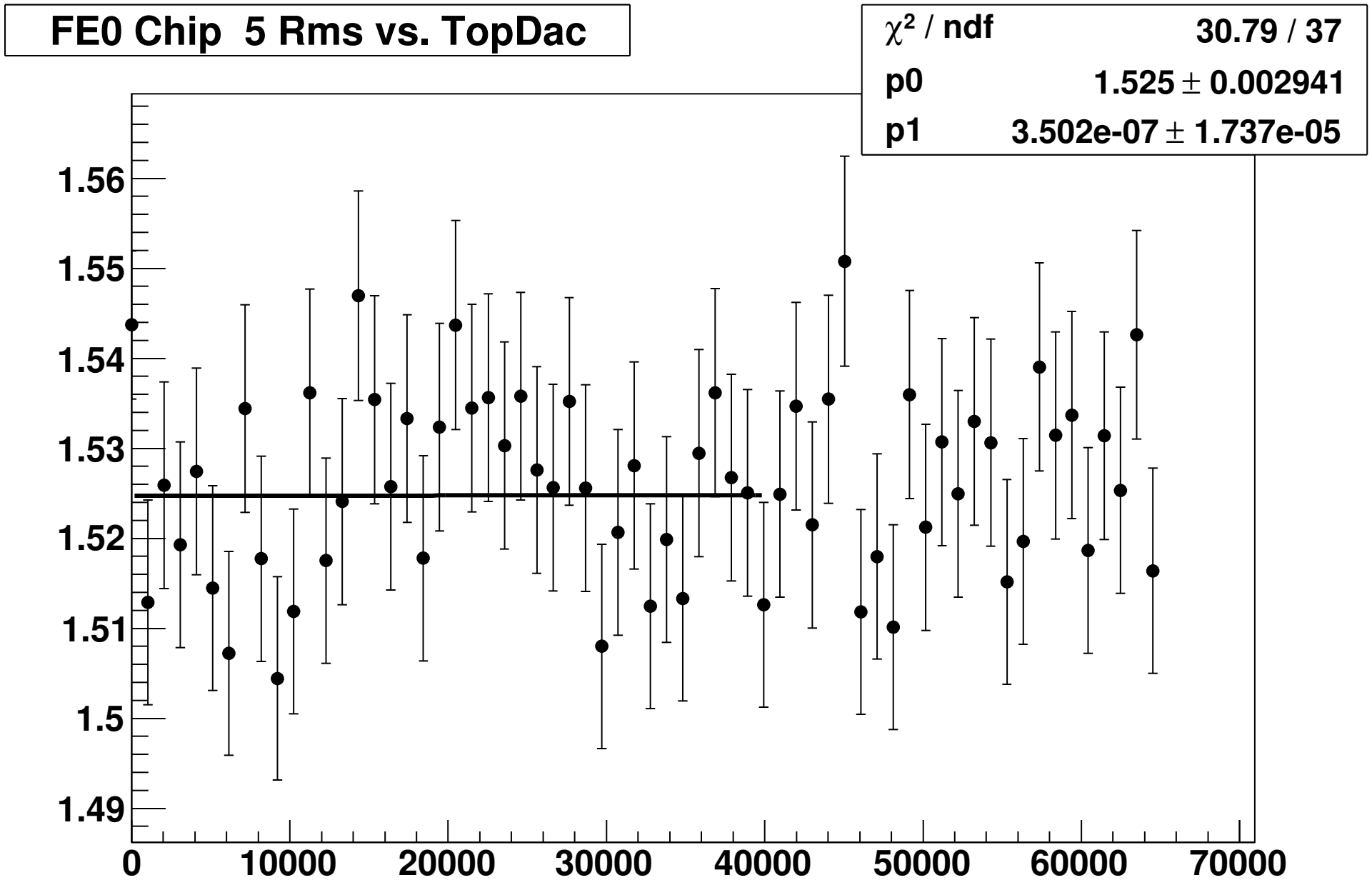

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 130.4 / 37
p0 33.24 ± 0.005184
p1 3.609e-06 ± 2.207e-07
33.4
33.35
33.3
33.25
33.2
0
10000
20000
30000
40000
50000
60000
70000

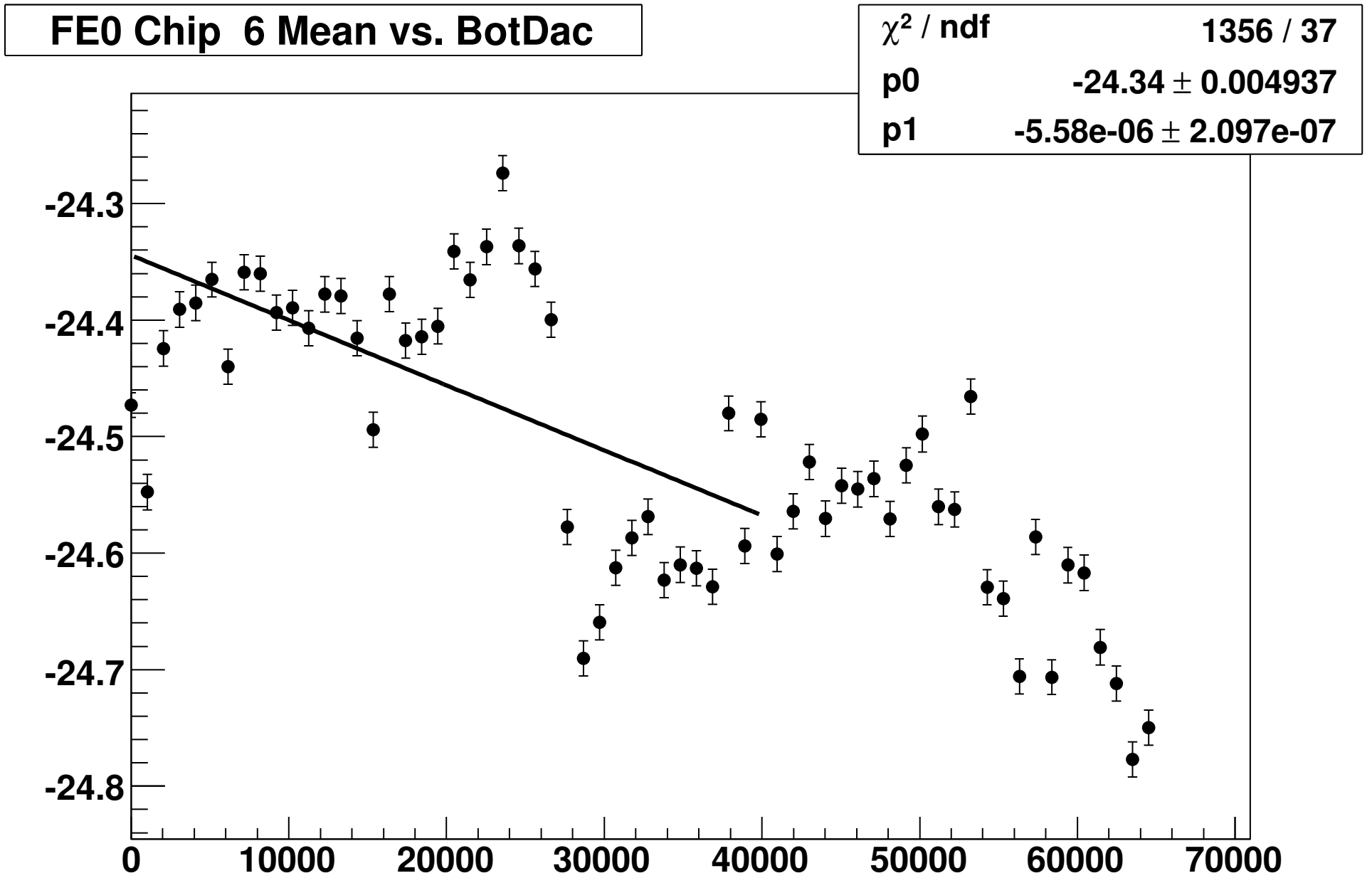

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 32.29 / 37
p0 1.499 ± 0.00273
p1 2.135e-06 ± 2.604e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

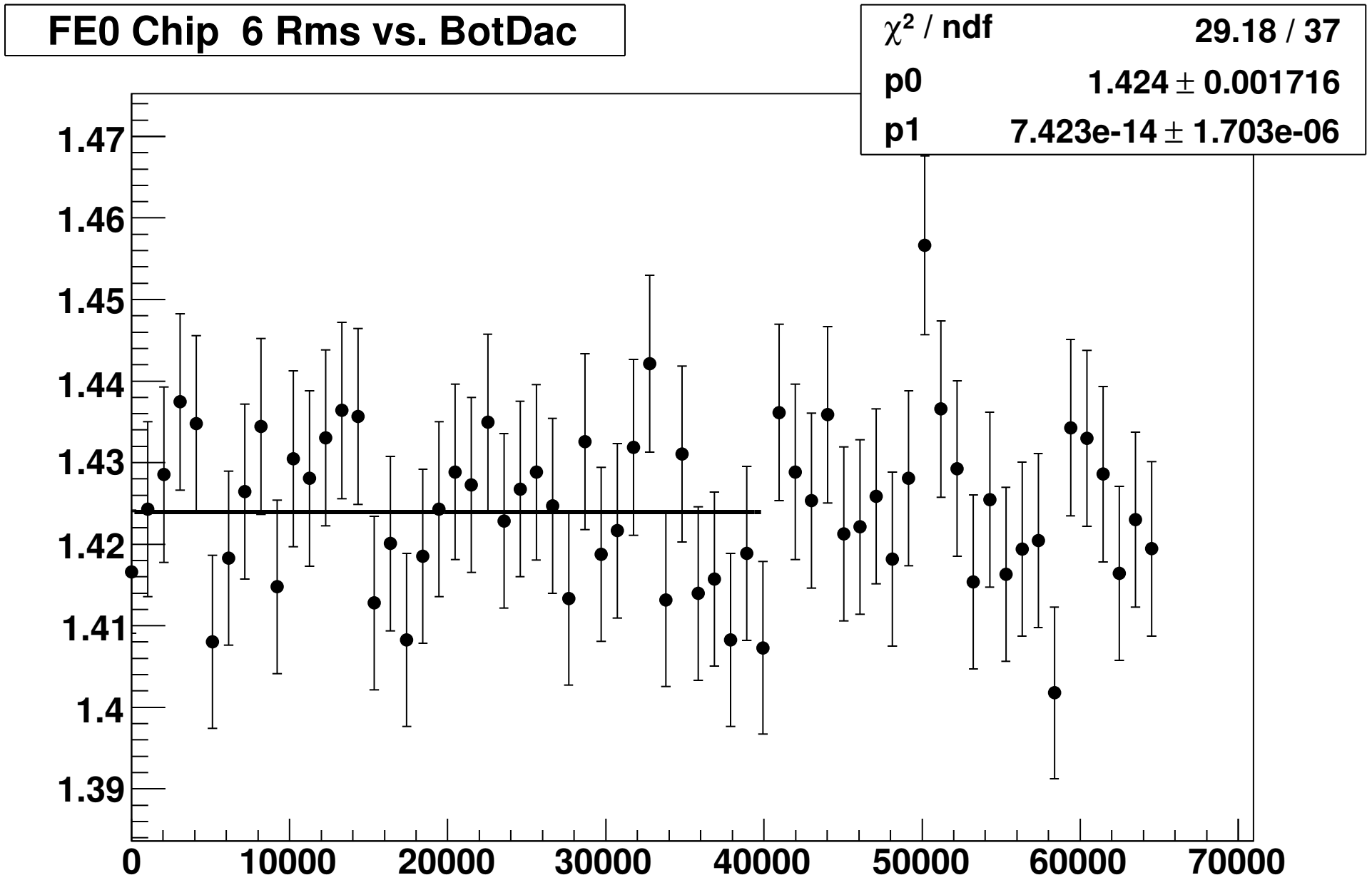

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 5.186e+04 / 37
p0 31.38 ± 0.005093
p1 0.4508 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

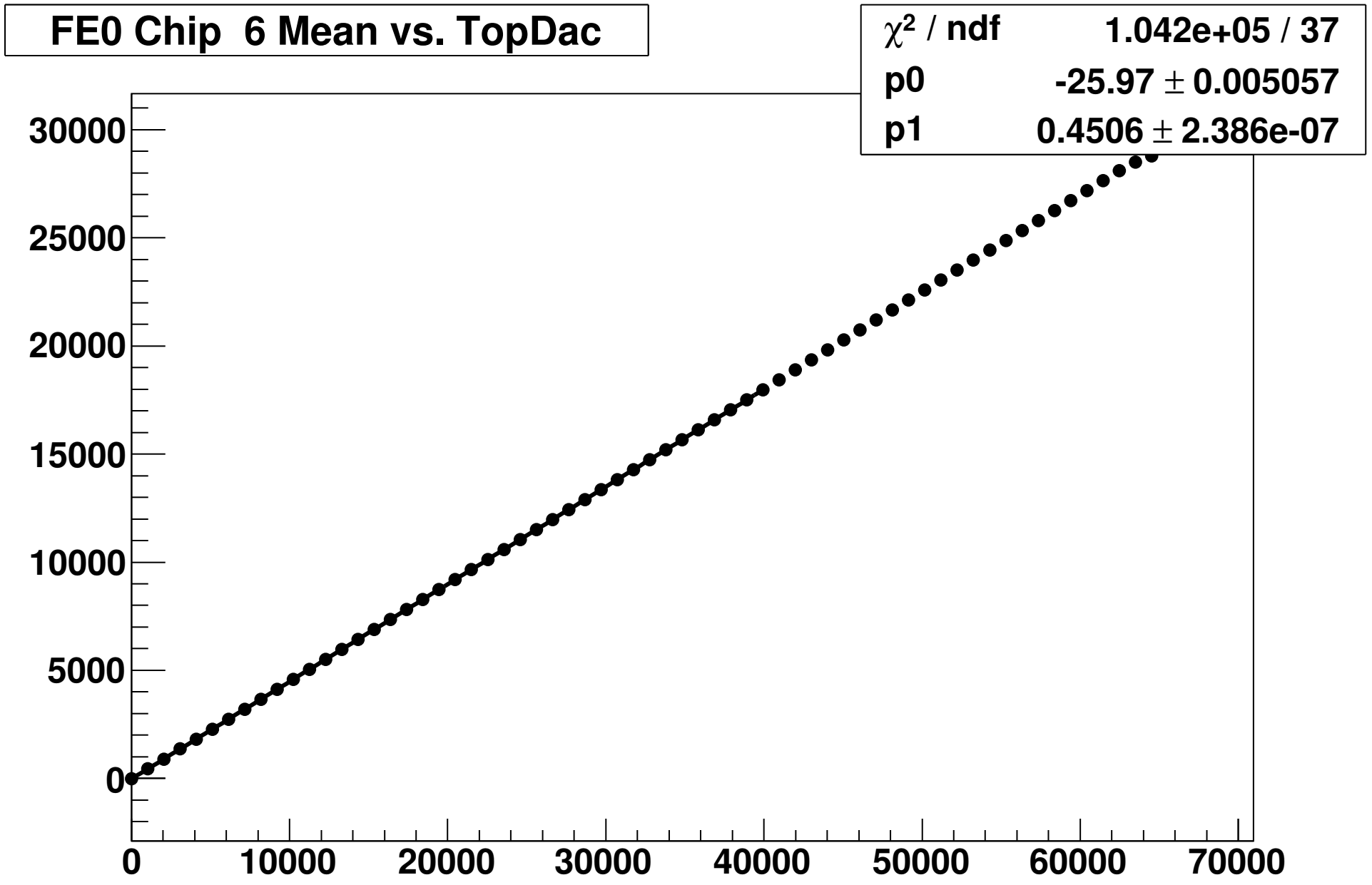

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 573.9 / 37
p0 1.358 ± 0.002797
p1 3.497e-05 ± 2.004e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

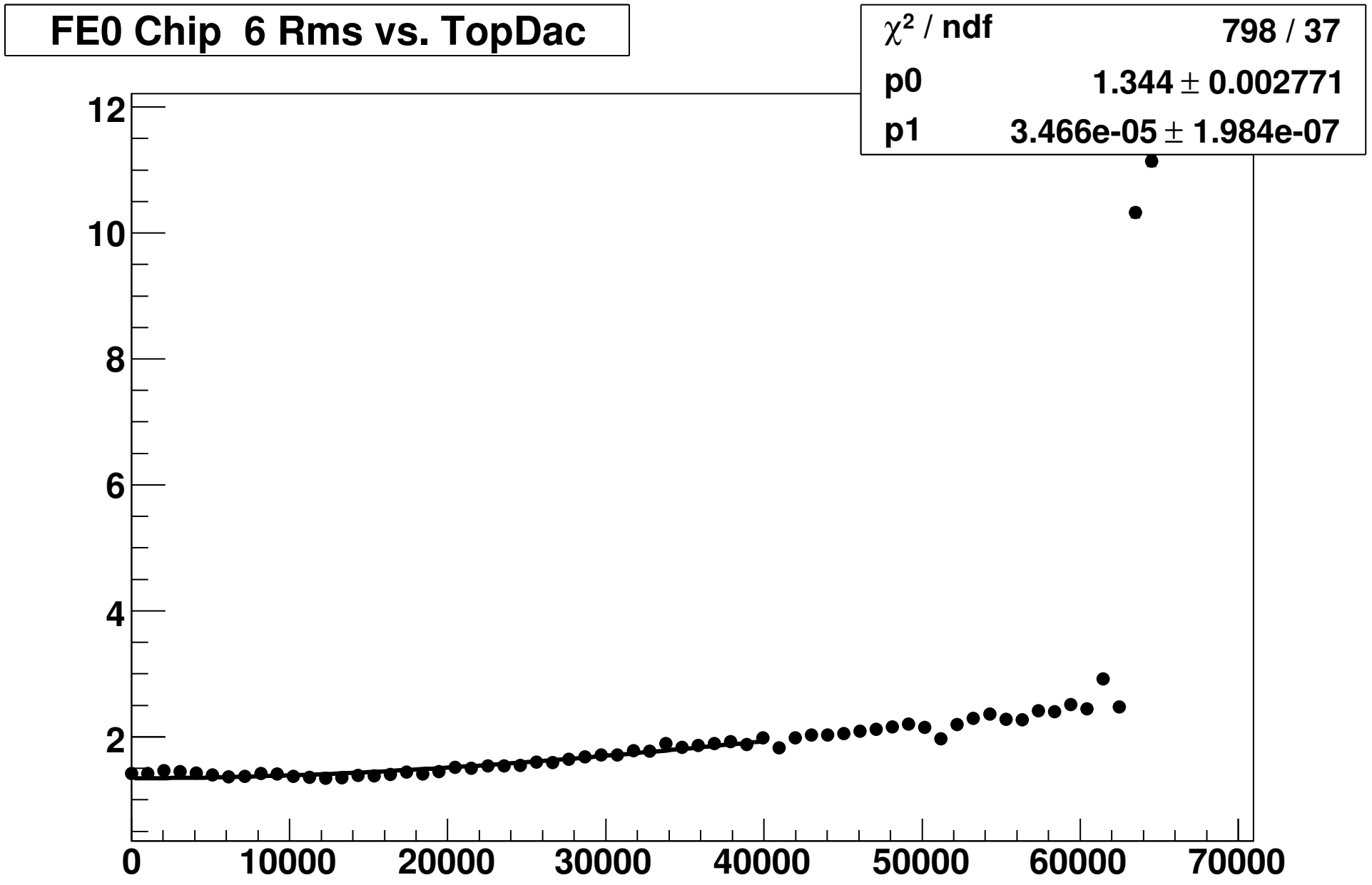

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 132.2 / 37
p0 31.65 ± 0.005268
p1 3.635e-06 ± 2.242e-07
31.85
31.8
31.75
31.7
31.65
31.6
0
10000
20000
30000
40000
50000
60000
70000

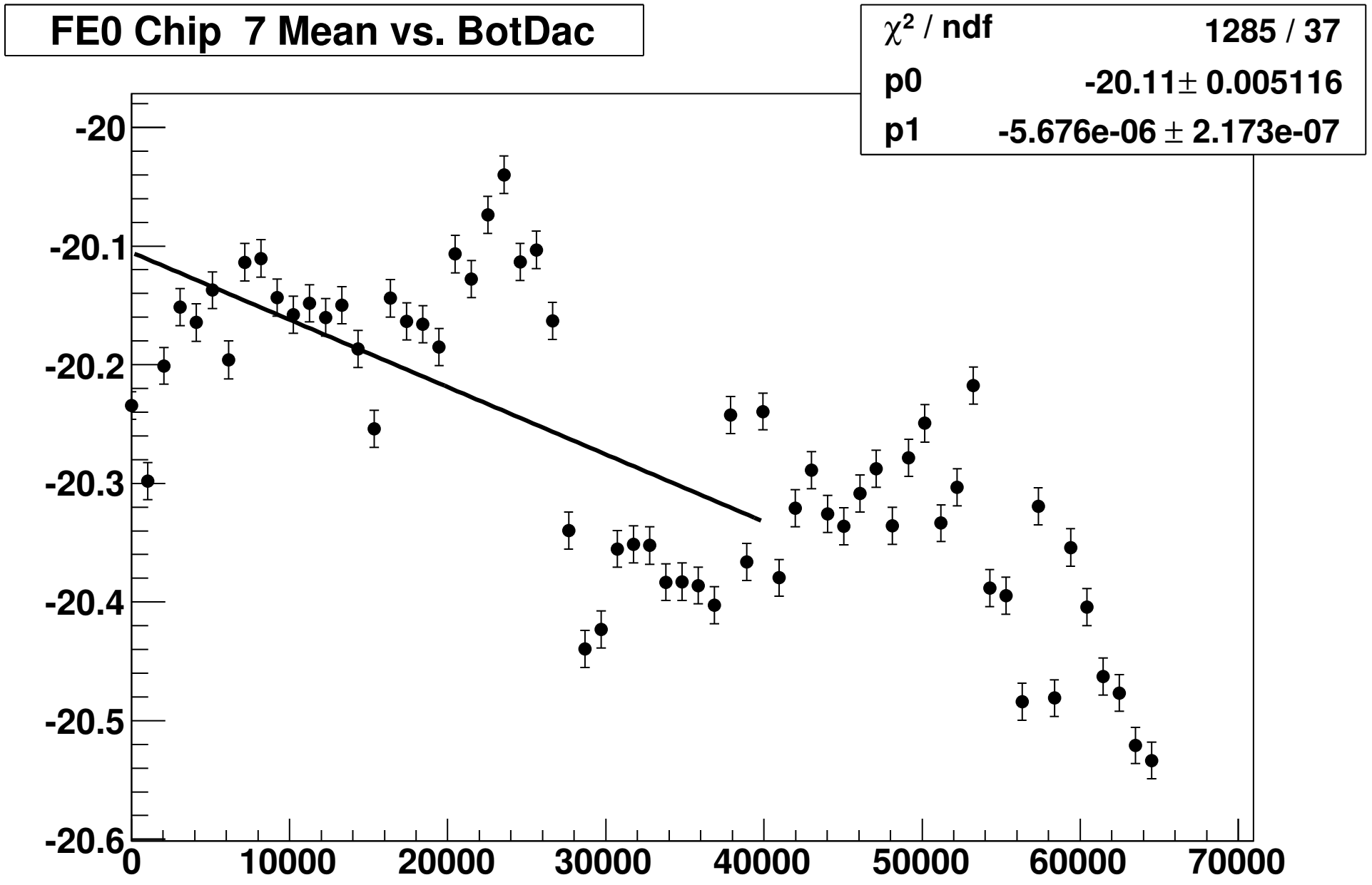

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 30.79 / 37
p0 1.525 ± 0.002941
p1 3.502e-07 ± 1.737e-05
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

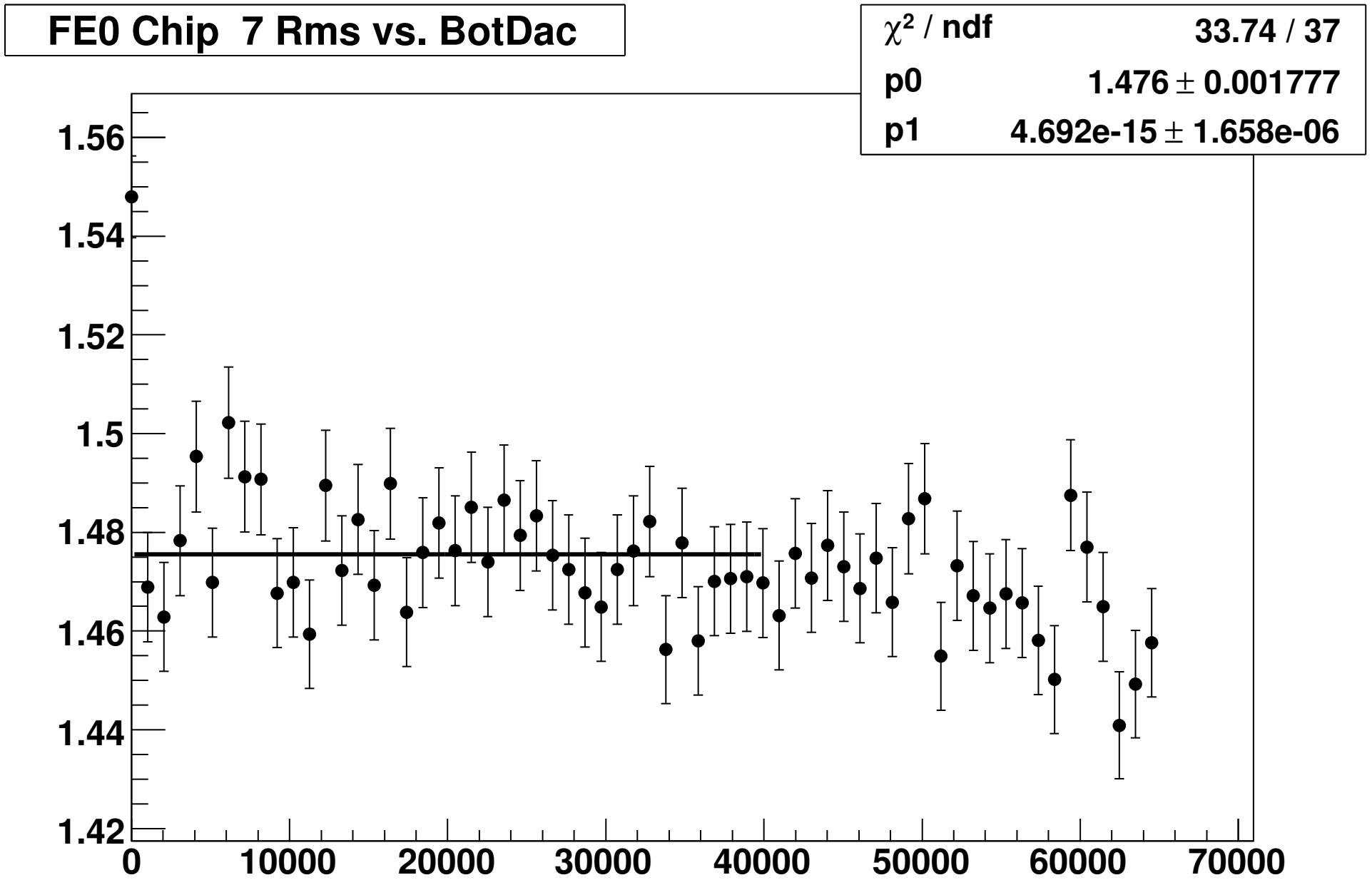

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 1356 / 37
p0 -24.34 ± 0.004937
p1 -5.58e-06 ± 2.097e-07
-24.3
-24.4
-24.5
-24.6
-24.7
-24.8
0
10000
20000
30000
40000
50000
60000
70000

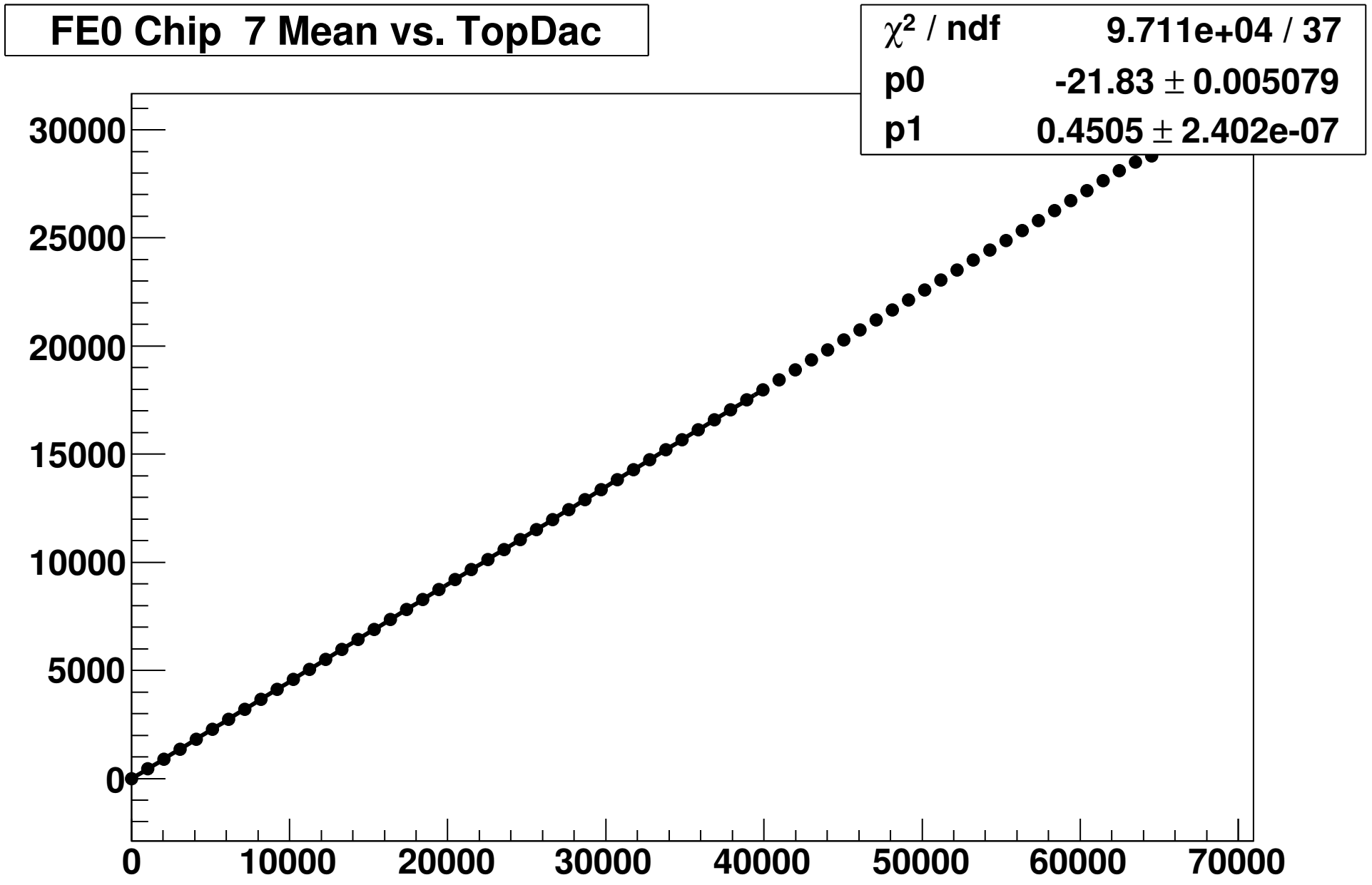

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 29.18 / 37
p0 1.424 ± 0.001716
p1 7.423e-14 ± 1.703e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

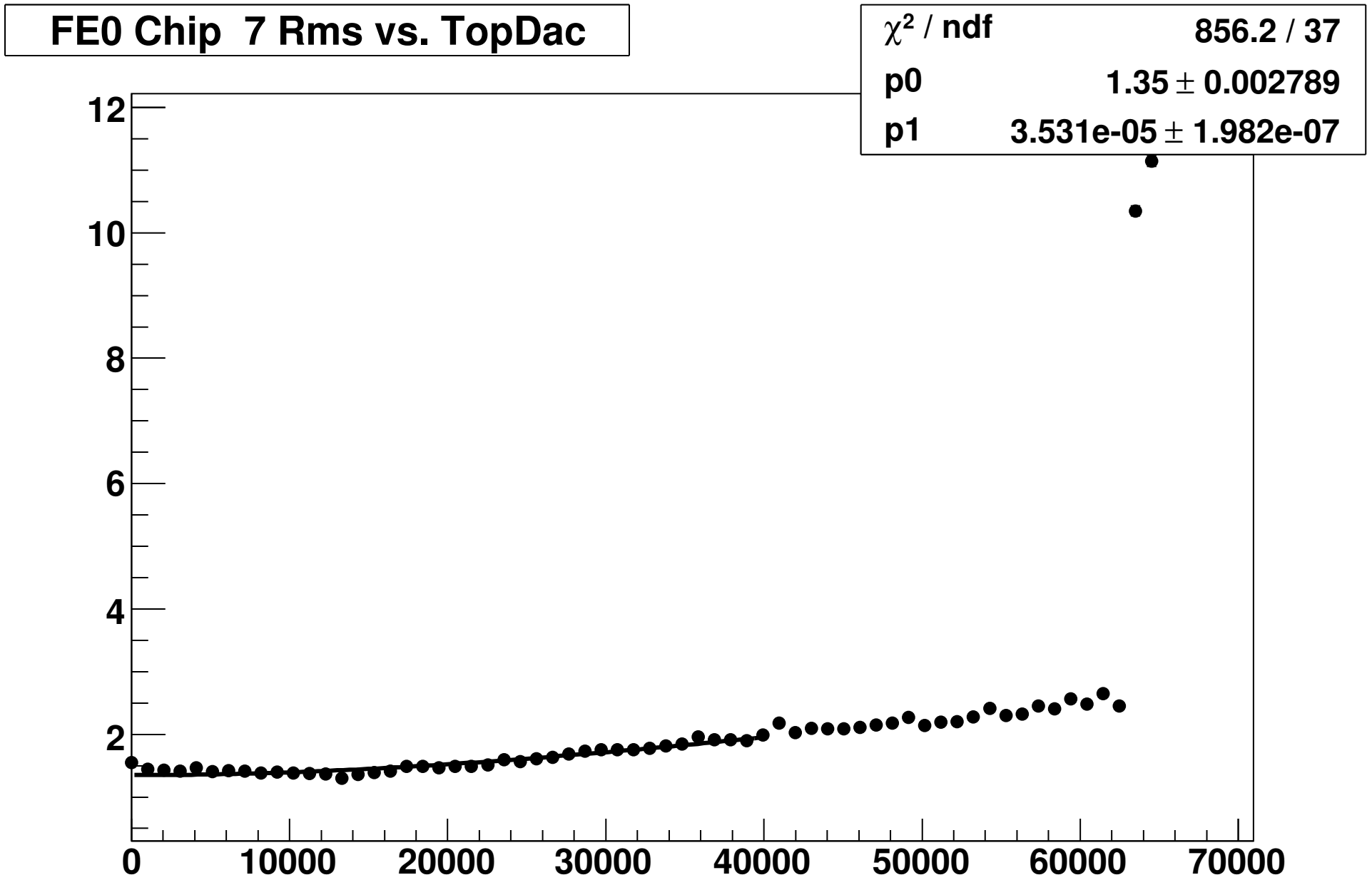

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.042e+05 / 37
p0 -25.97 ± 0.005057
p1 0.4506 ± 2.386e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

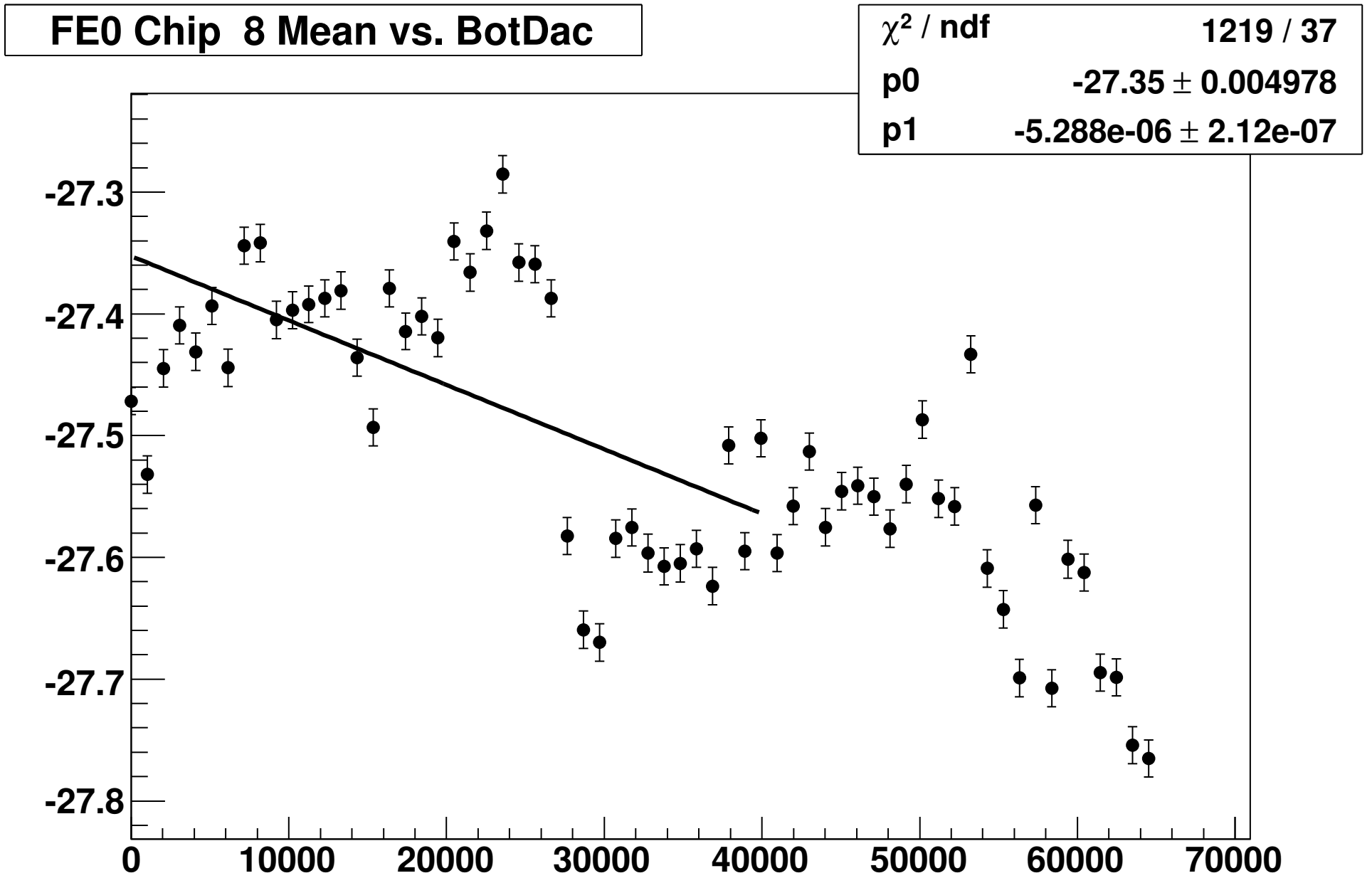

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 798 / 37
p0 1.344 ± 0.002771
p1 3.466e-05 ± 1.984e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

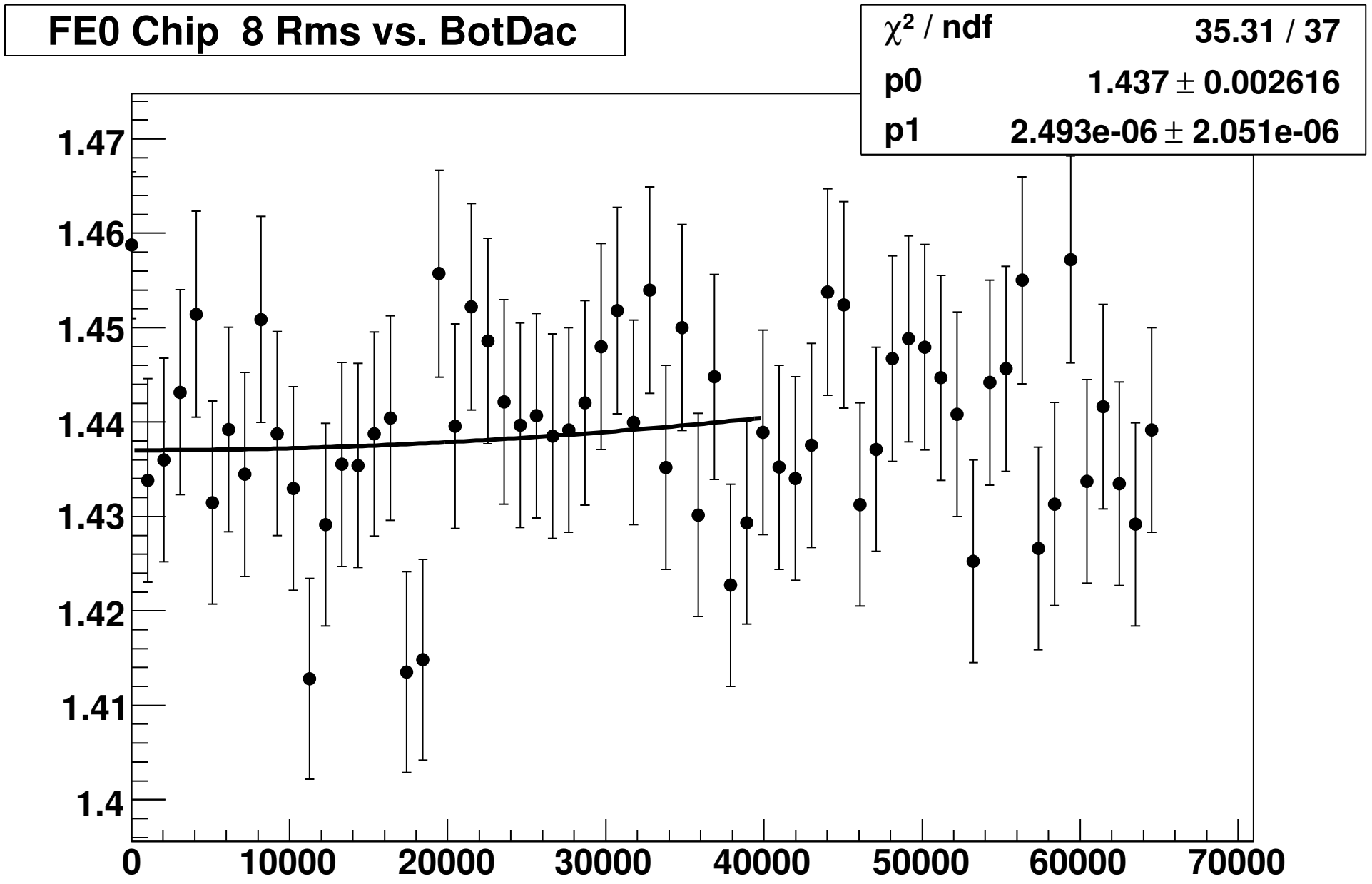

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 1285 / 37
p0 -20.11± 0.005116
p1 -5.676e-06 ± 2.173e-07
-20
-20.1
-20.2
-20.3
-20.4
-20.5
-20.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 33.74 / 37
p0 1.476 ± 0.001777
p1 4.692e-15 ± 1.658e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 9.711e+04 / 37
p0 -21.83 ± 0.005079
p1 0.4505 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 856.2 / 37
p0 1.35 ± 0.002789
p1 3.531e-05 ± 1.982e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 1219 / 37
p0 -27.35 ± 0.004978
p1 -5.288e-06 ± 2.12e-07
-27.3
-27.4
-27.5
-27.6
-27.7
-27.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 35.31 / 37
p0 1.437 ± 0.002616
p1 2.493e-06 ± 2.051e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
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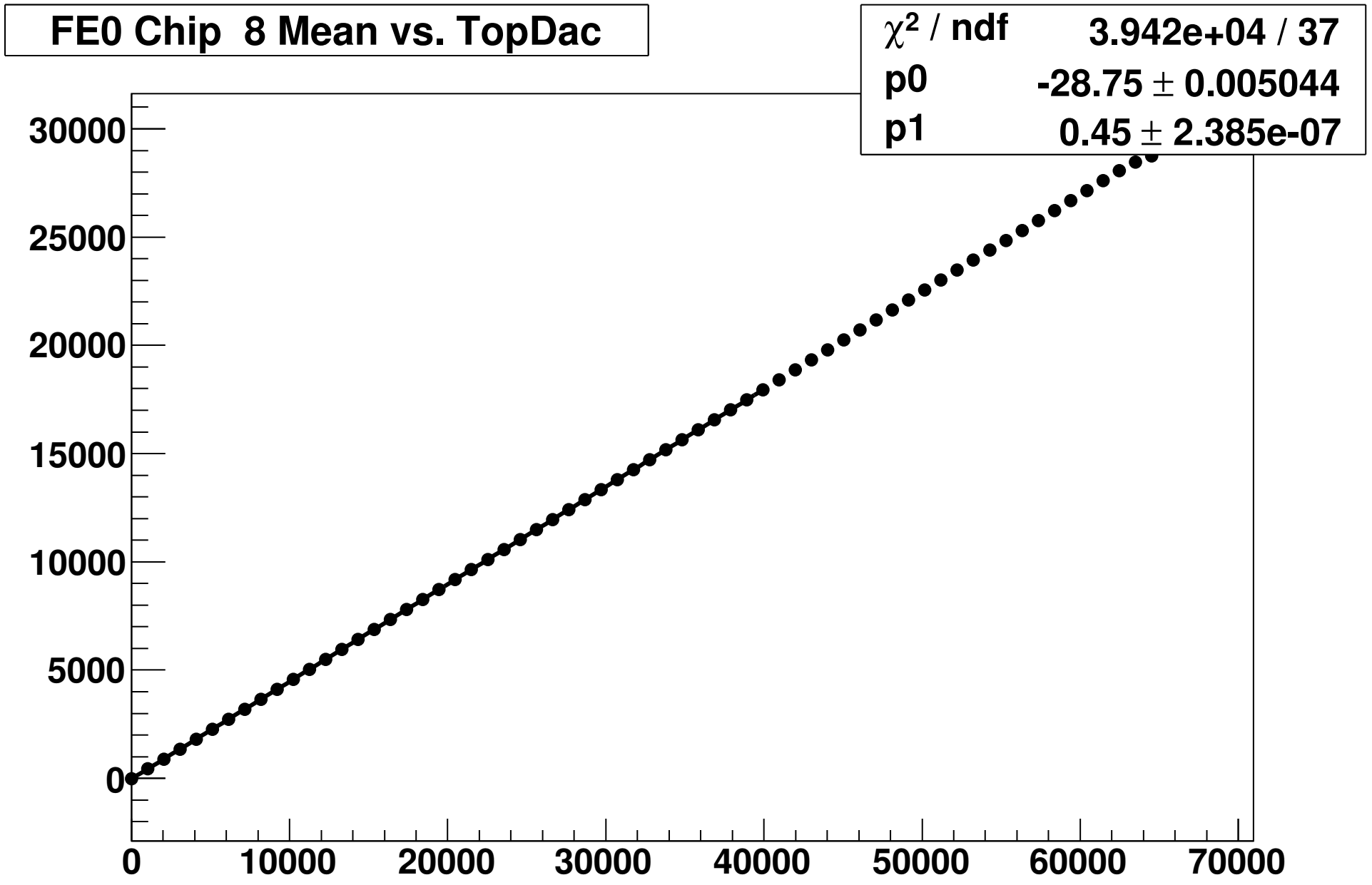
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 3.942e+04 / 37
p0 -28.75 ± 0.005044
p1 0.45 ± 2.385e-07
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10000
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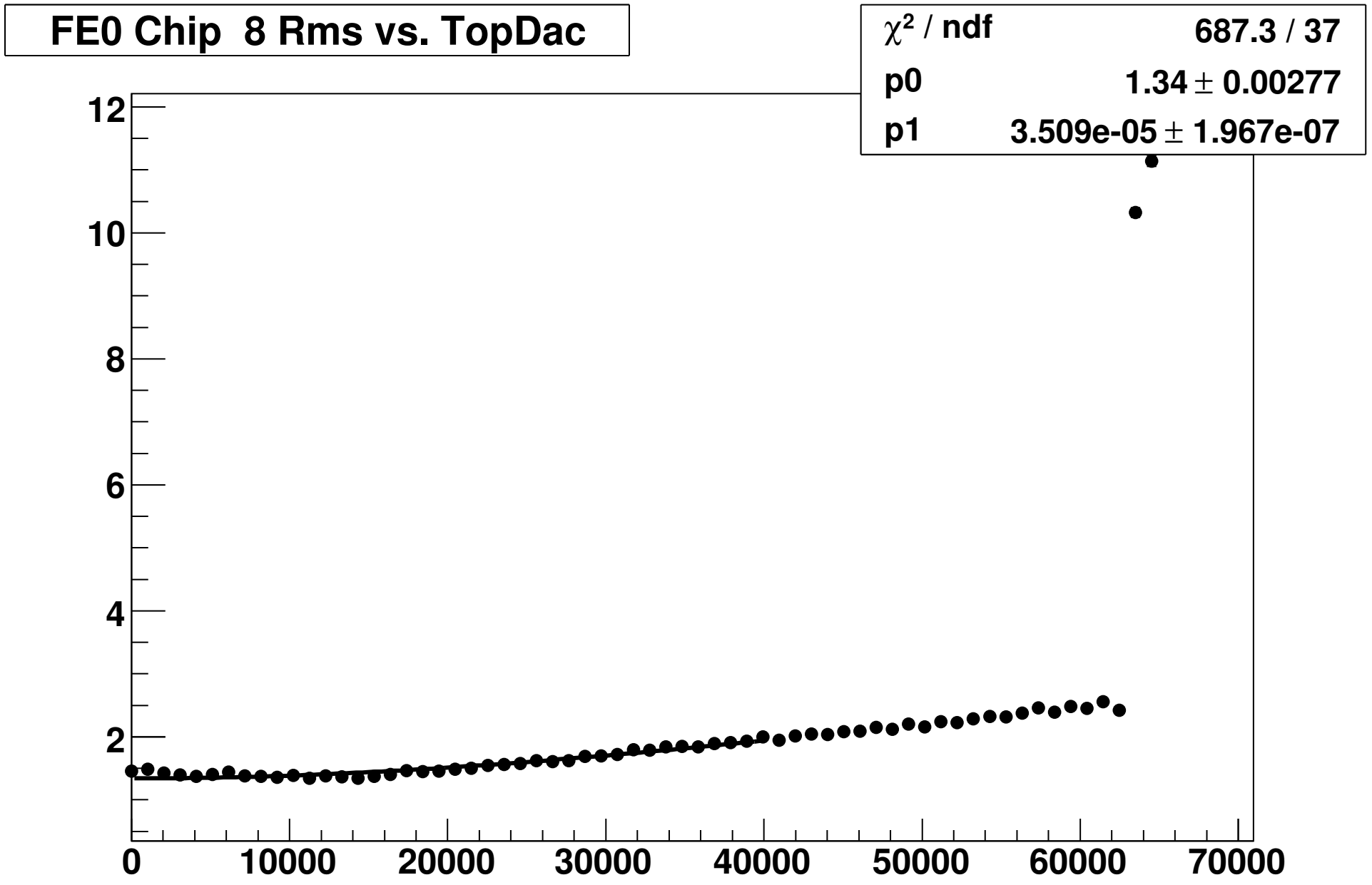
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 687.3 / 37
p0 1.34 ± 0.00277
p1 3.509e-05 ± 1.967e-07
12
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8
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4
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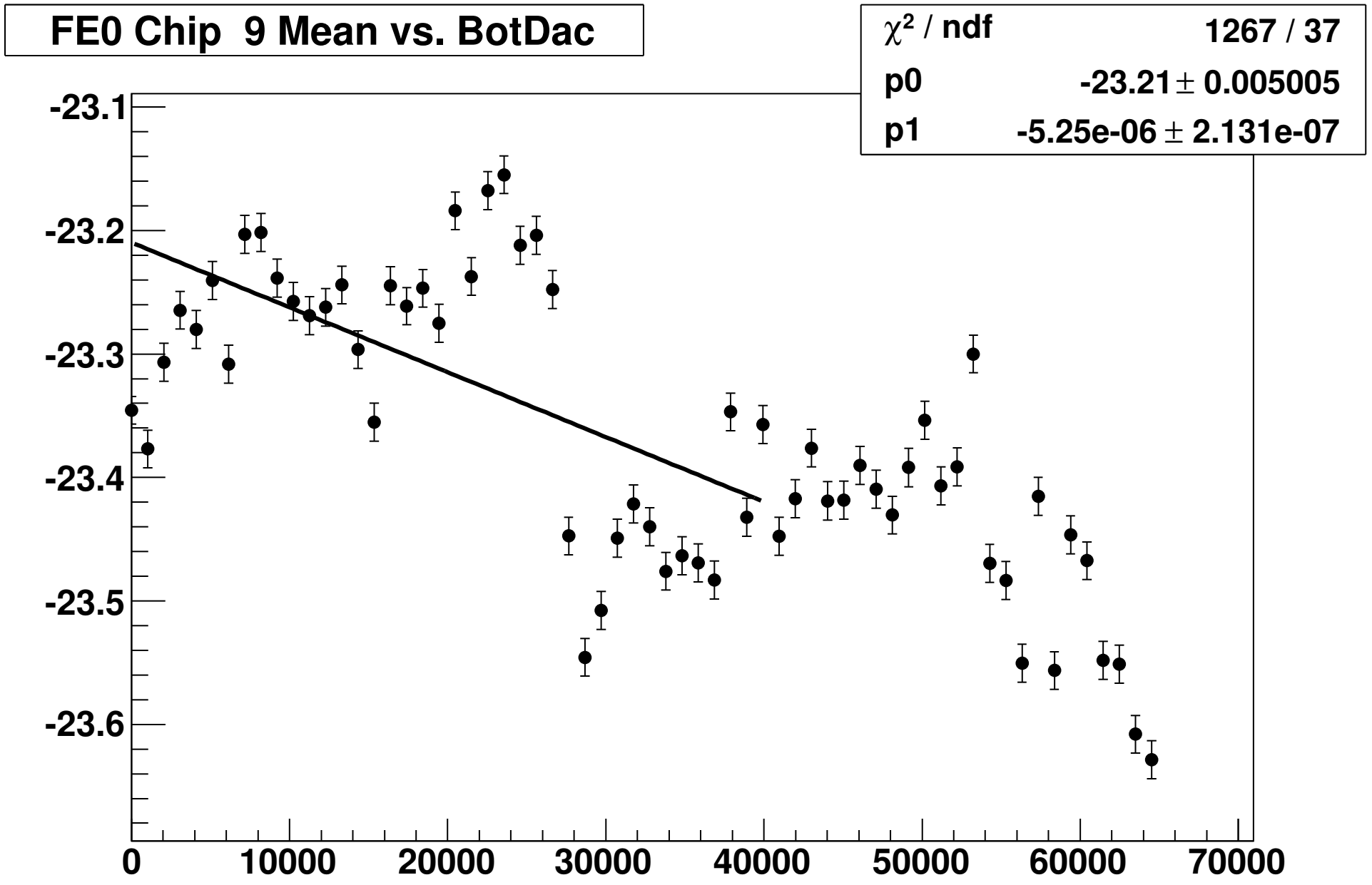
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 1267 / 37
p0 -23.21 ± 0.005005
p1 -5.25e-06 ± 2.131e-07
-23.1
-23.2
-23.3
-23.4
-23.5
-23.6
0
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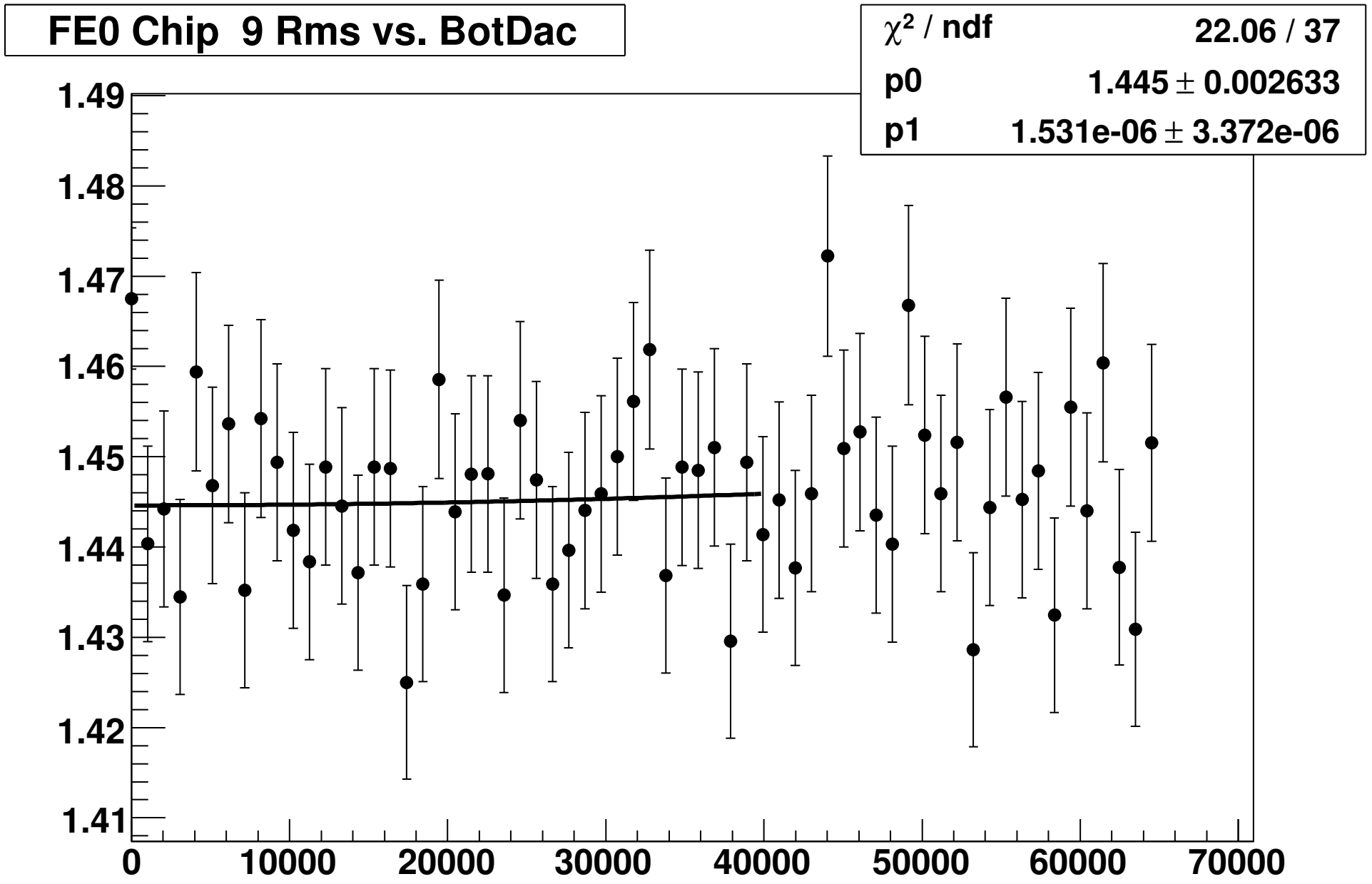
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 22.06 / 37
p0 1.445 ± 0.002633
p1 1.531e-06 ± 3.372e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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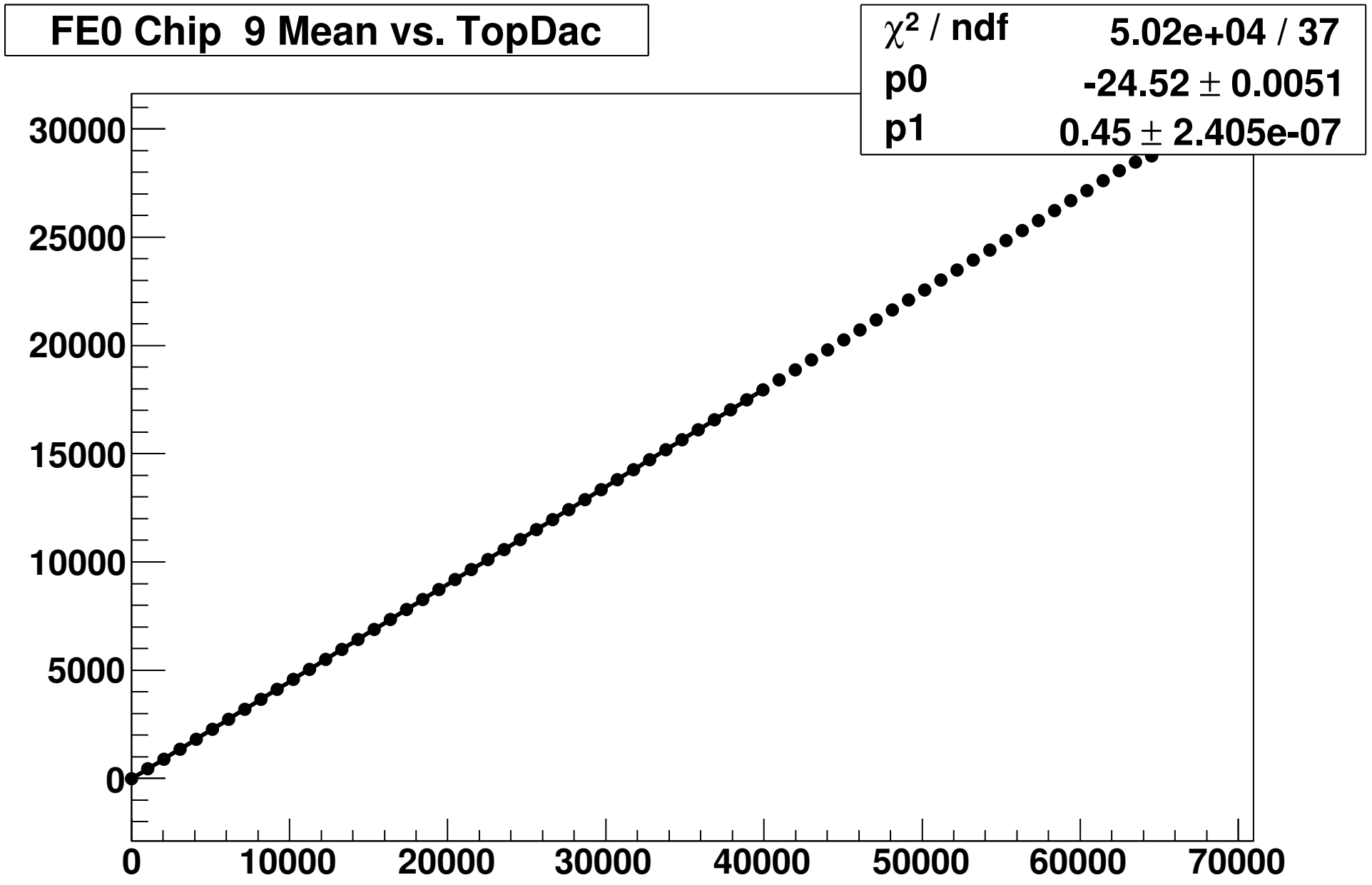
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 5.02e+04 / 37
p0 -24.52 ± 0.0051
p1 0.45 ± 2.405e-07
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15000
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5000
0
0
10000
20000
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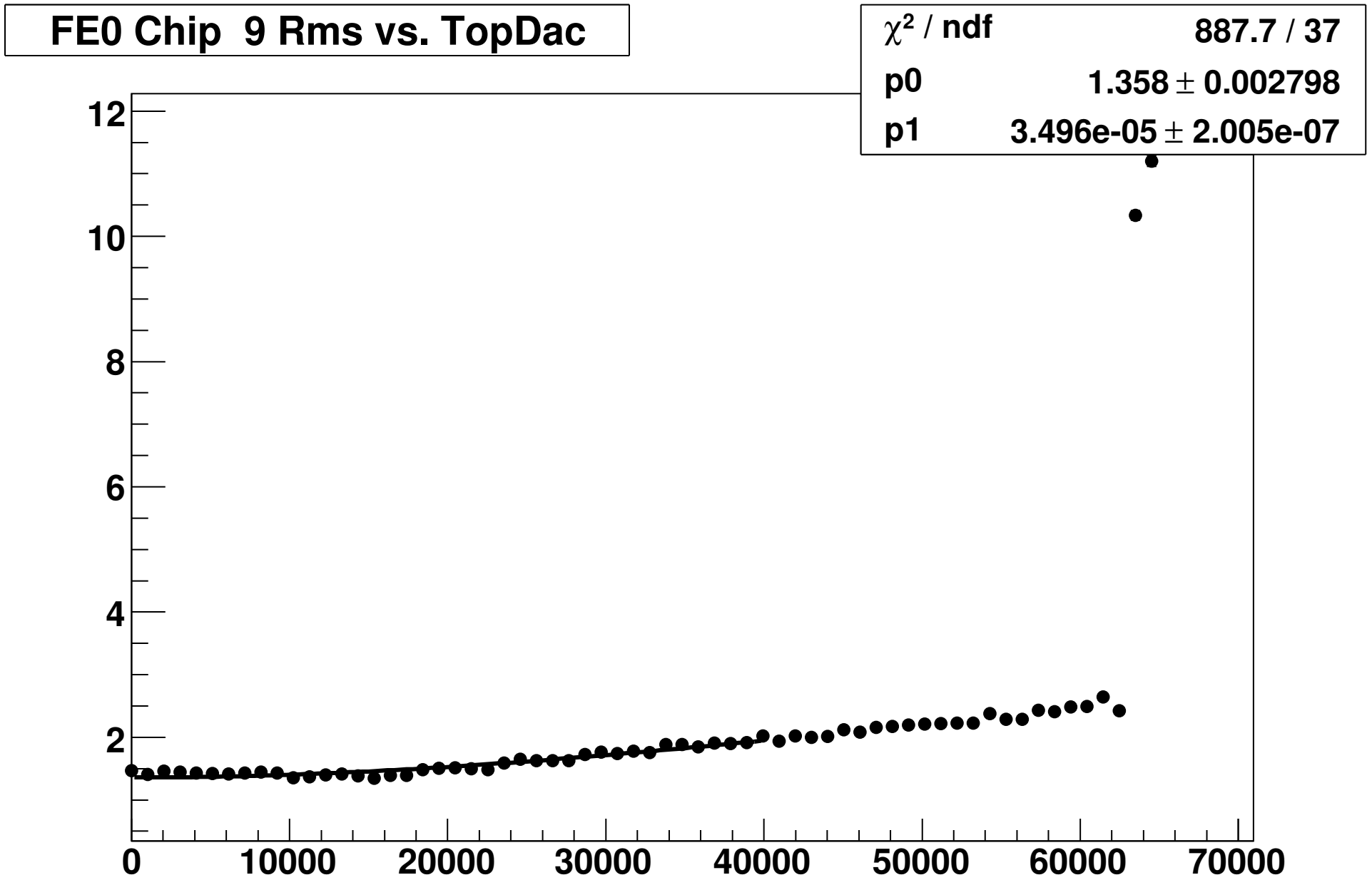
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 887.7 / 37
p0 1.358 ± 0.002798
p1 3.496e-05 ± 2.005e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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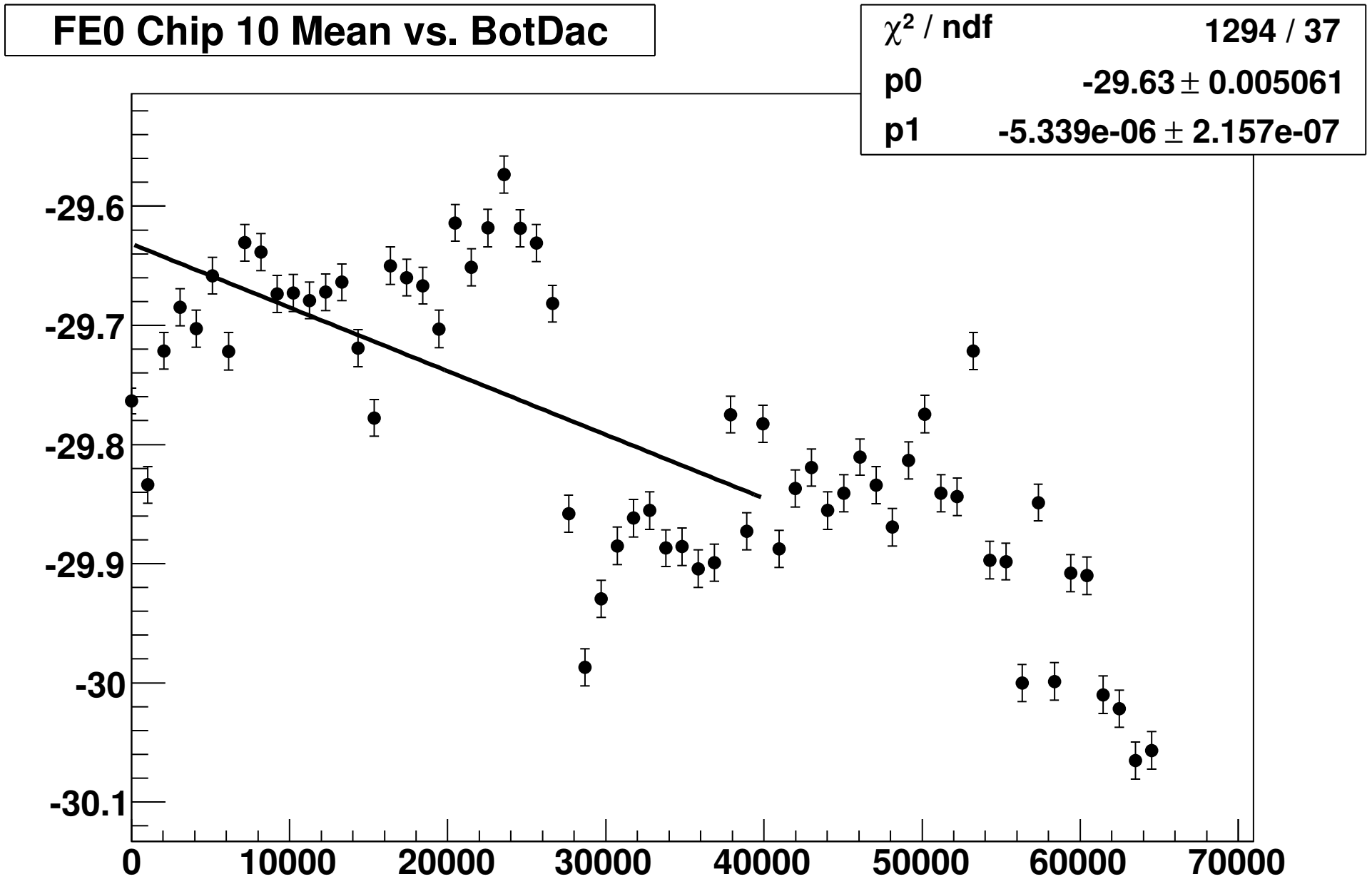
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 1294 / 37
p0 -29.63 ± 0.005061
p1 -5.339e-06 ± 2.157e-07
-29.6
-29.7
-29.8
-29.9
-30
-30.1
0
10000
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50000
60000
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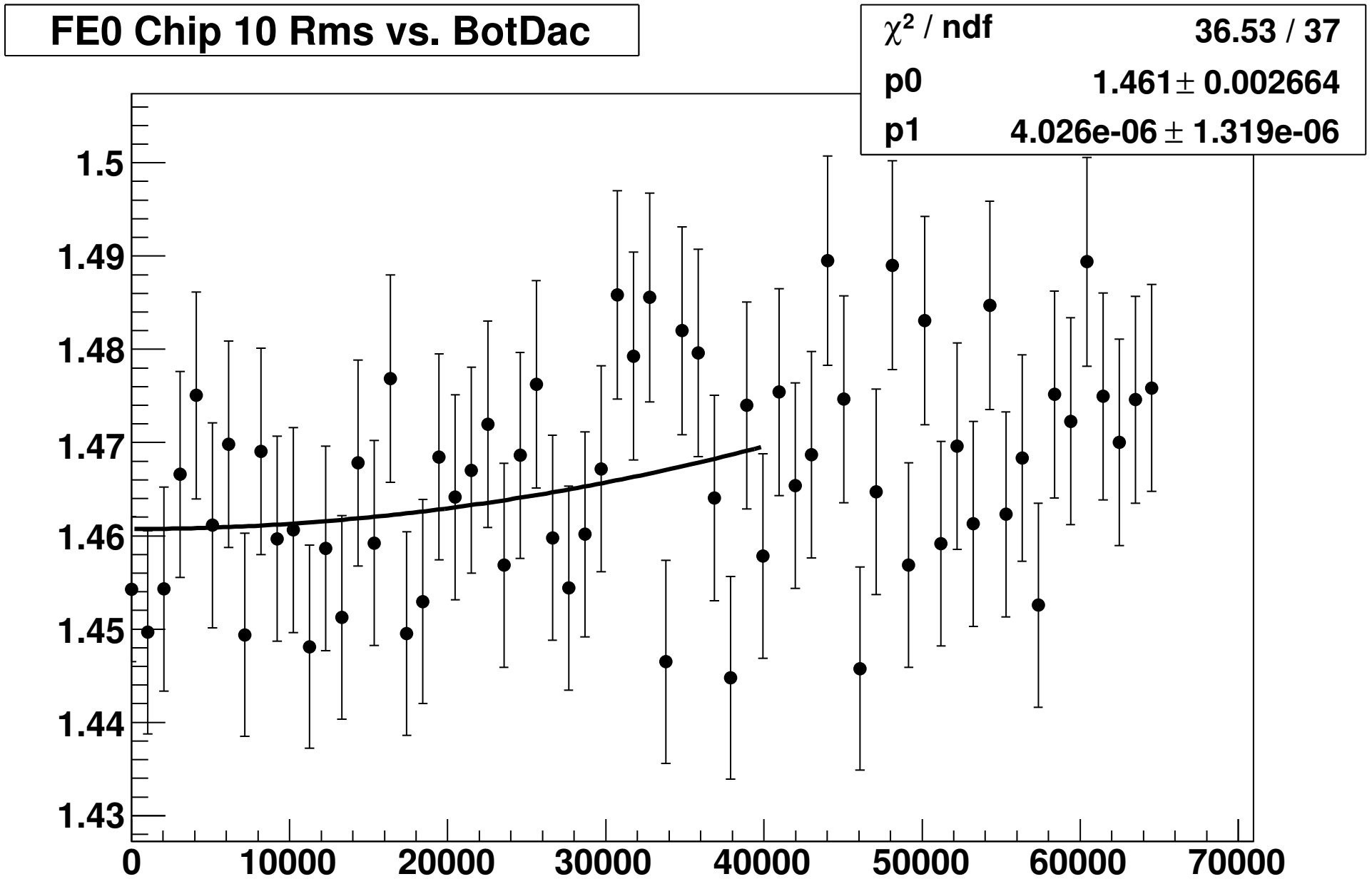
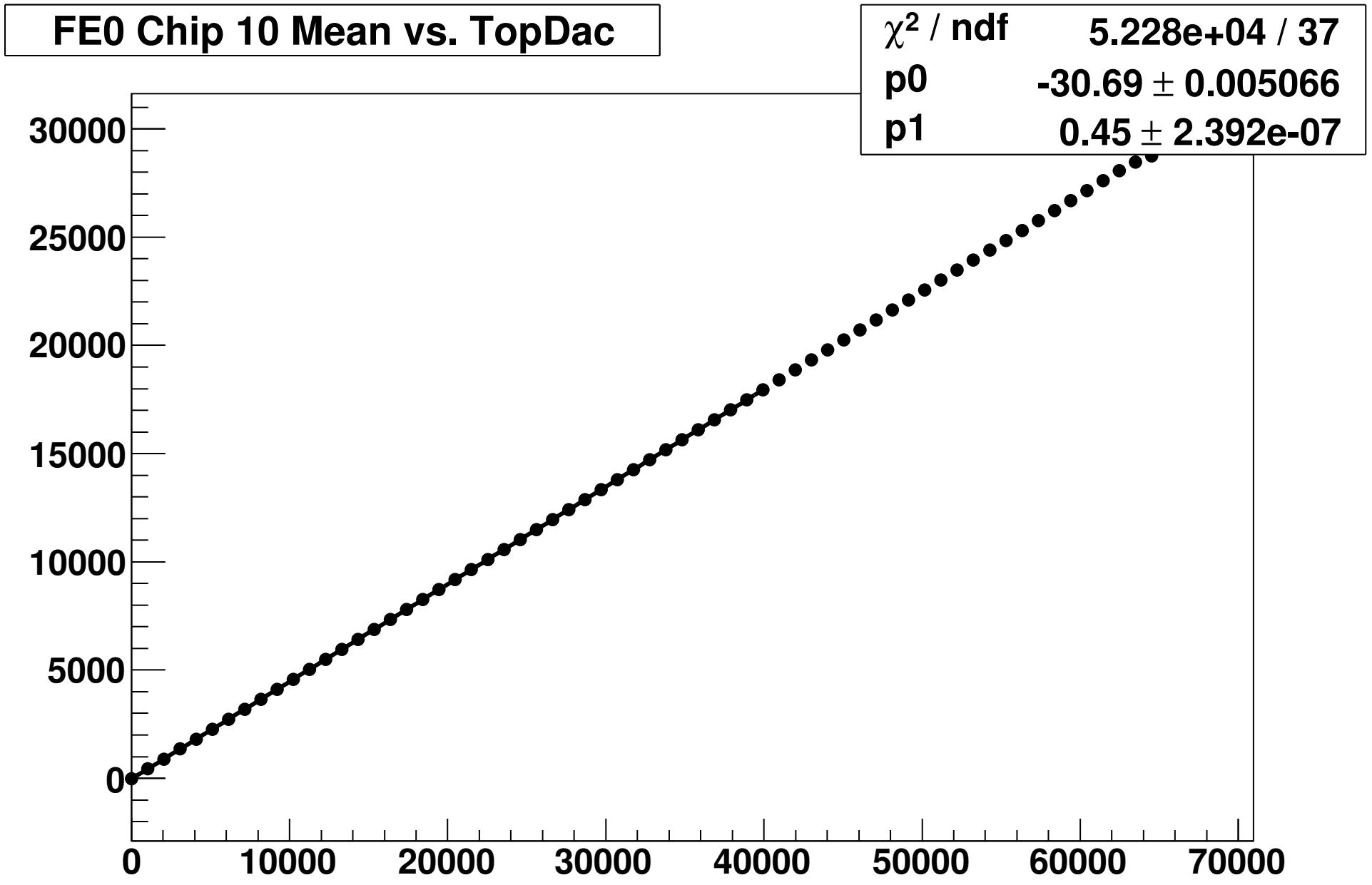

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 36.53 / 37
p0 1.461 ± 0.002664
p1 4.026e-06 ± 1.319e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 5.228e+04 / 37
p0 -30.69 ± 0.005066
p1 0.45 ± 2.392e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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50000
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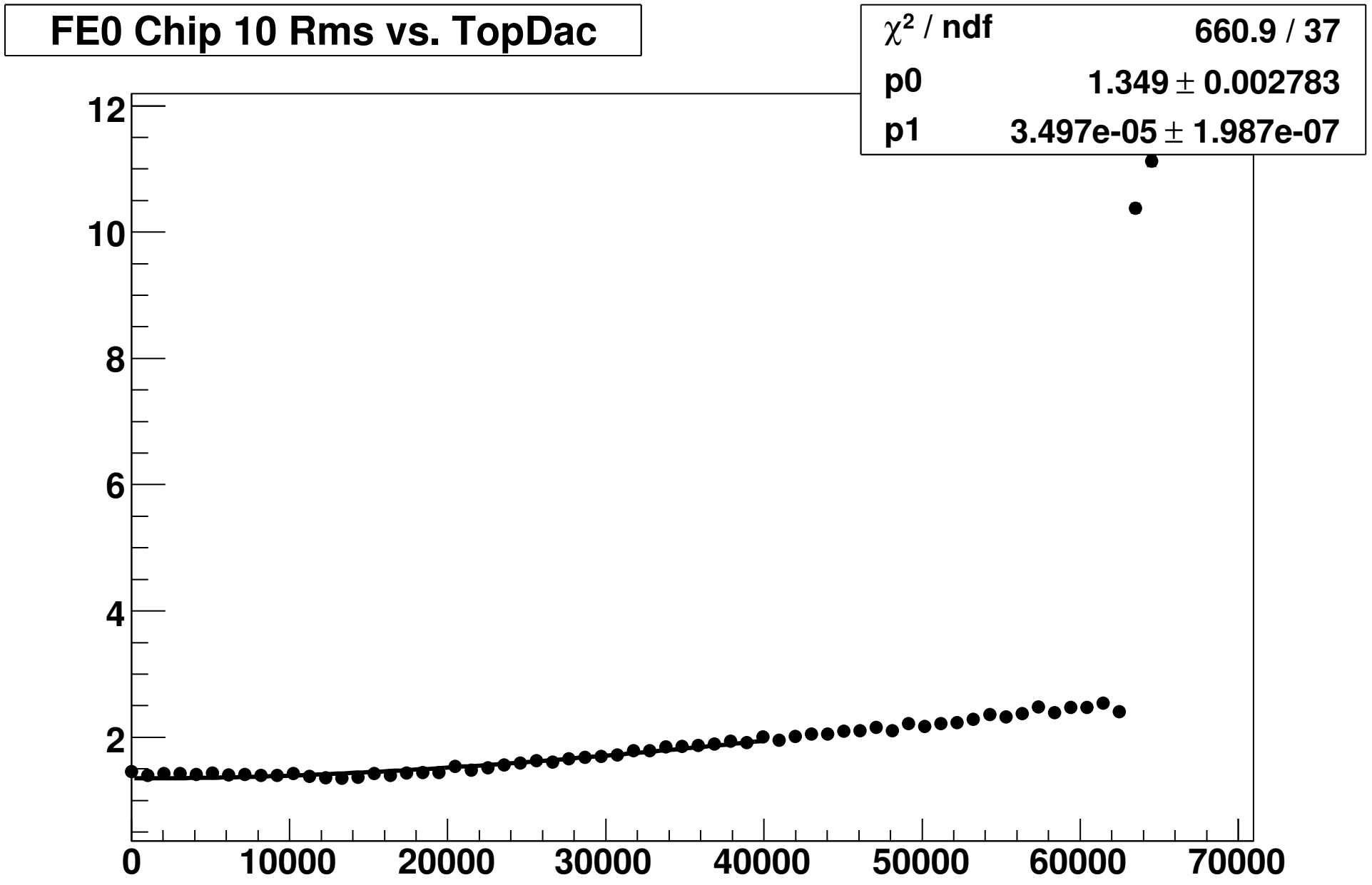
FE0 Chip 10 Rms vs. TopDac
χ² / ndf 660.9 / 37
p0 1.349 ± 0.002783
p1 3.497e-05 ± 1.987e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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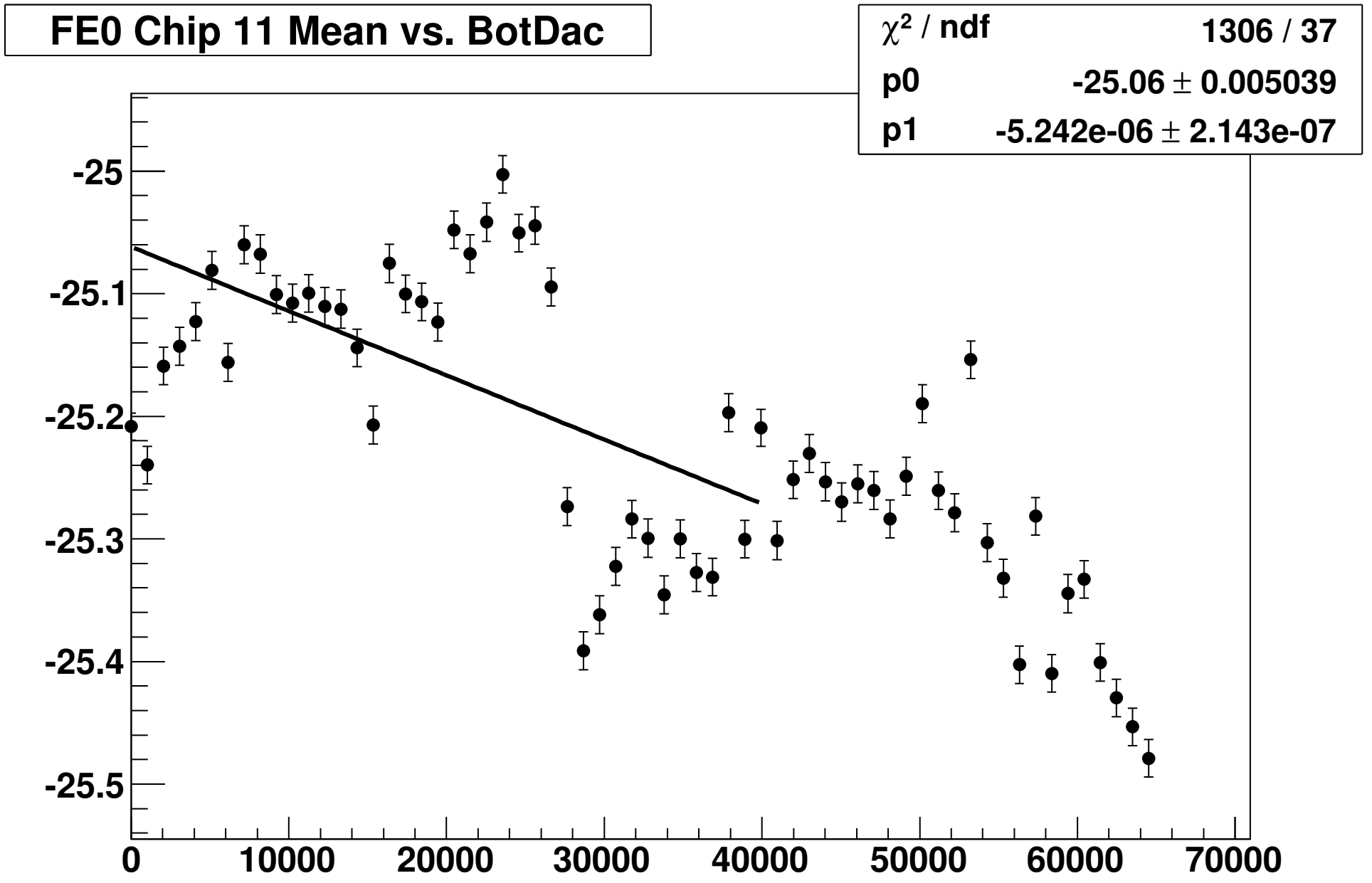
FE0 Chip 11 Mean vs. BotDac
χ² / ndf 1306 / 37
p0 -25.06 ± 0.005039
p1 -5.242e-06 ± 2.143e-07
-25
-25.1
-25.2
-25.3
-25.4
-25.5
0
10000
20000
30000
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50000
60000
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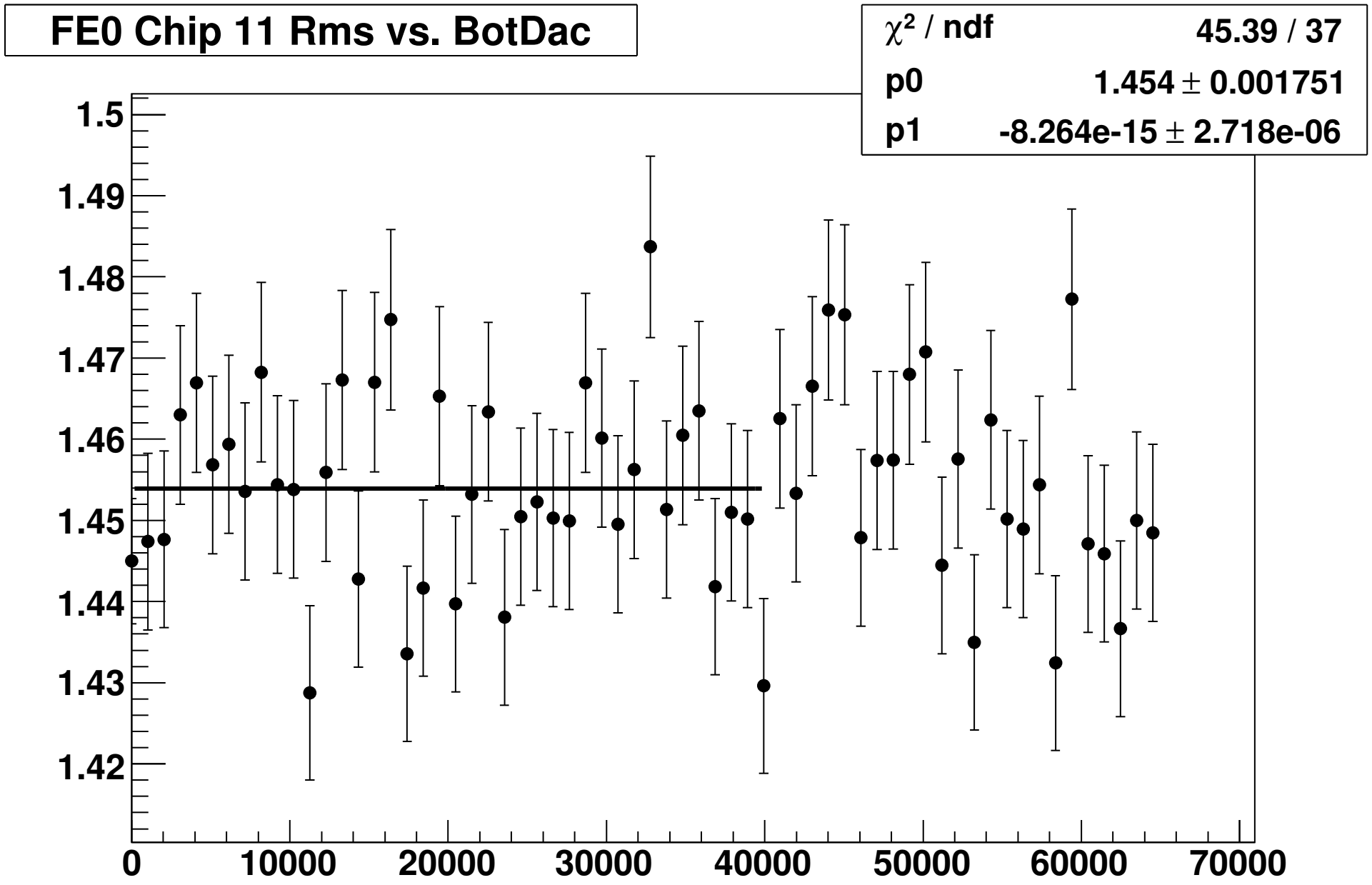
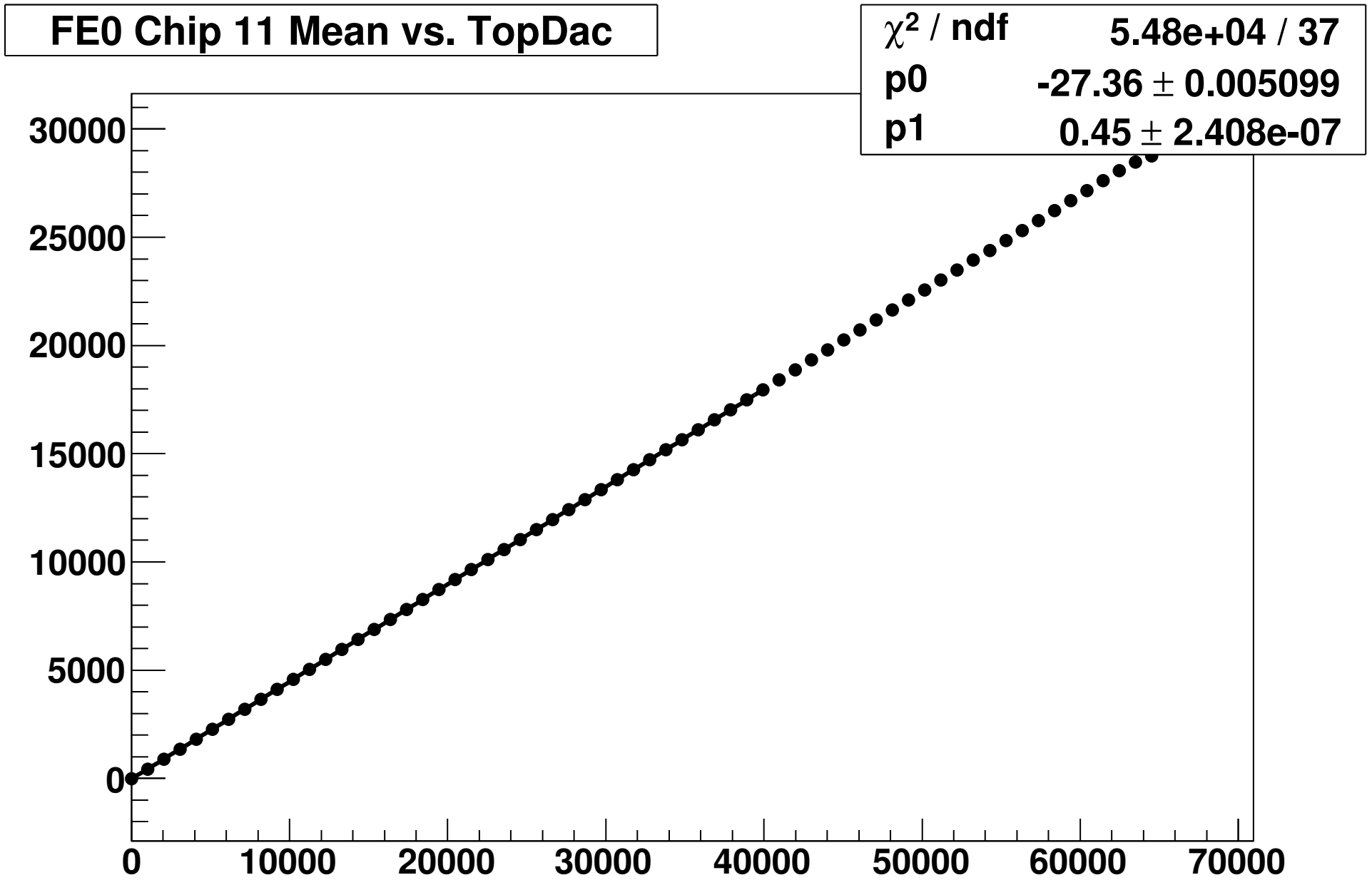

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 45.39 / 37
p0 1.454 ± 0.001751
p1 -8.264e-15 ± 2.718e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 5.48e+04 / 37
p0 -27.36 ± 0.005099
p1 0.45 ± 2.408e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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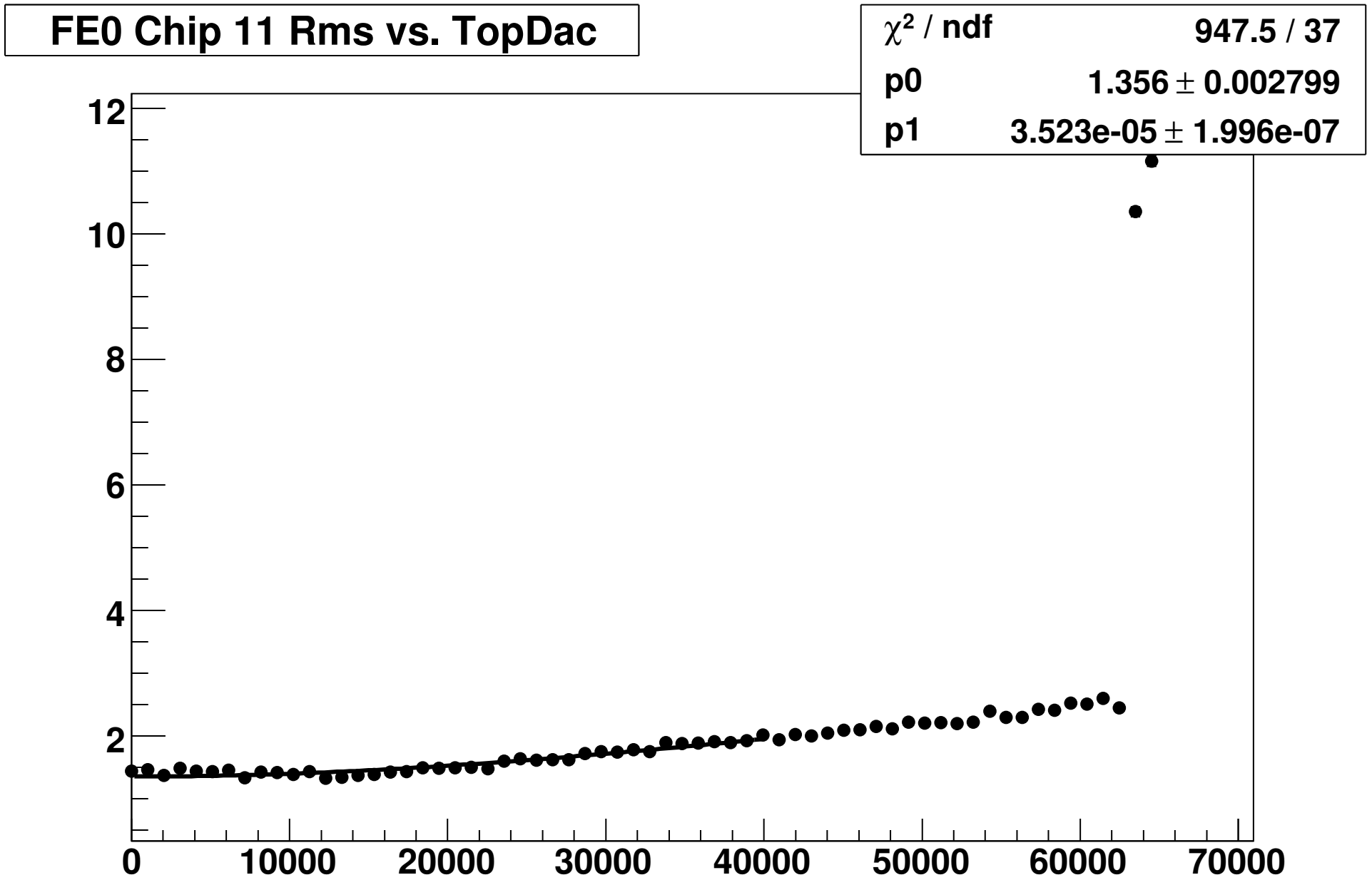
FE0 Chip 11 Rms vs. TopDac
χ² / ndf 947.5 / 37
p0 1.356 ± 0.002799
p1 3.523e-05 ± 1.996e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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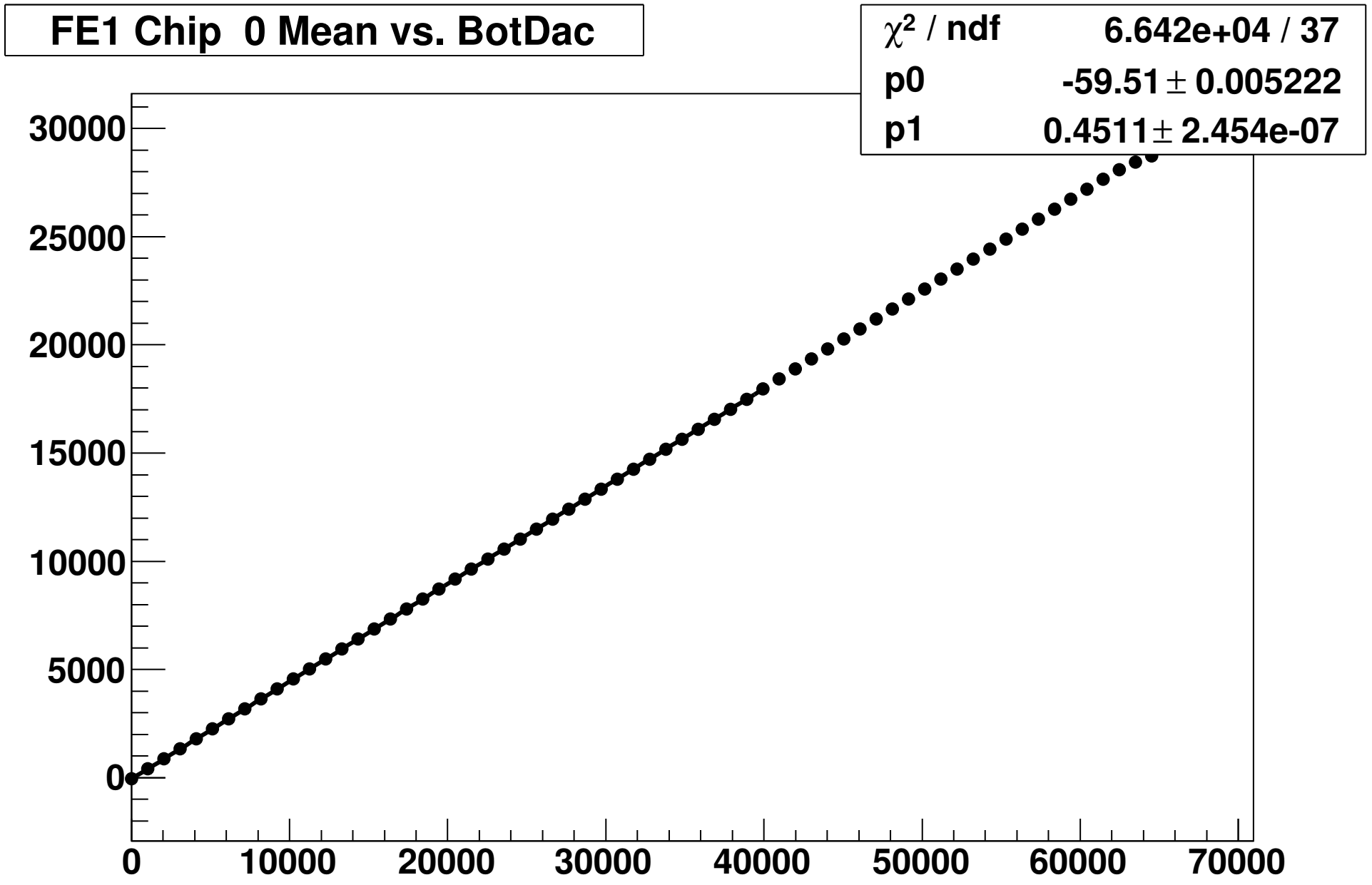
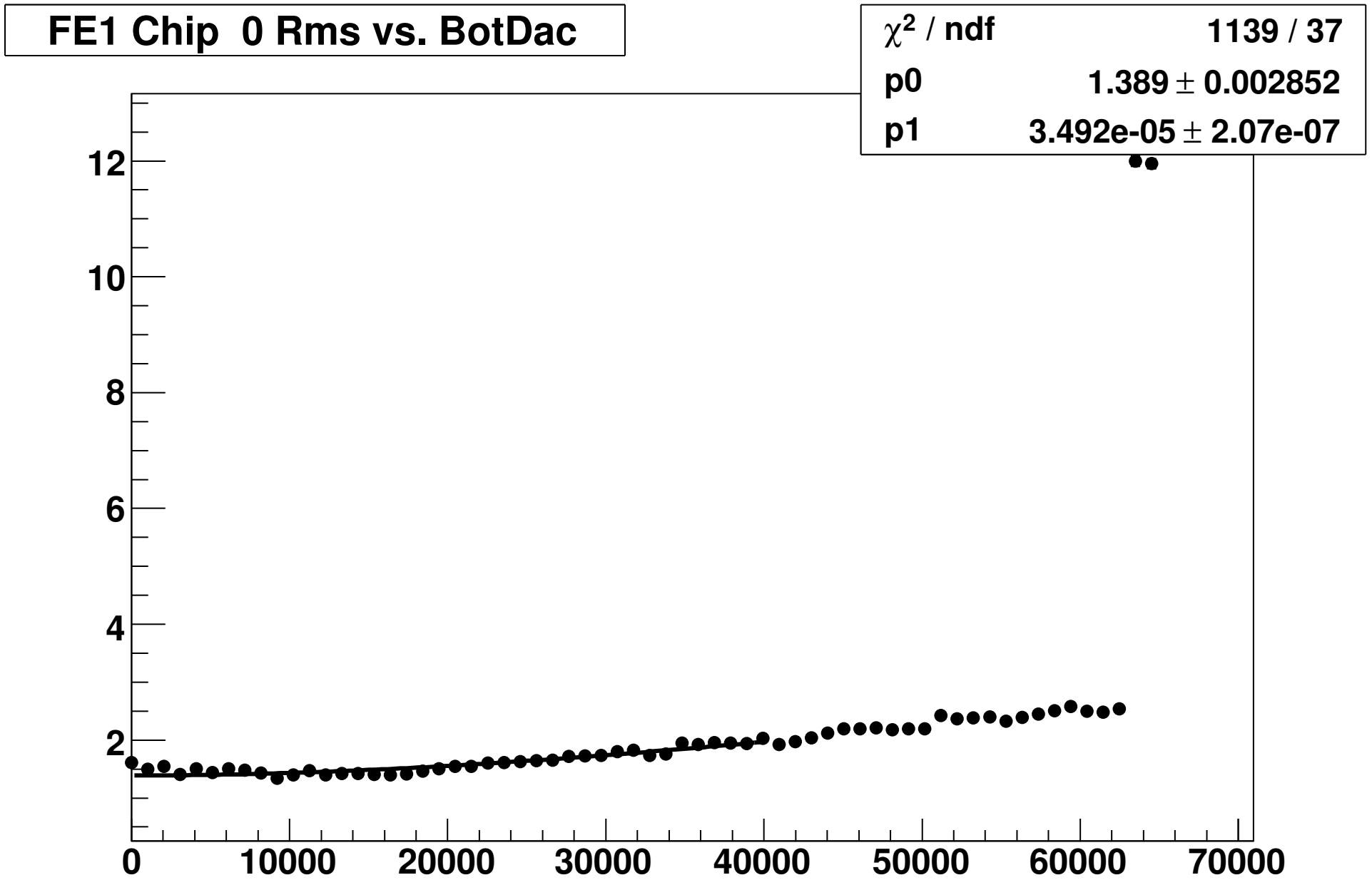
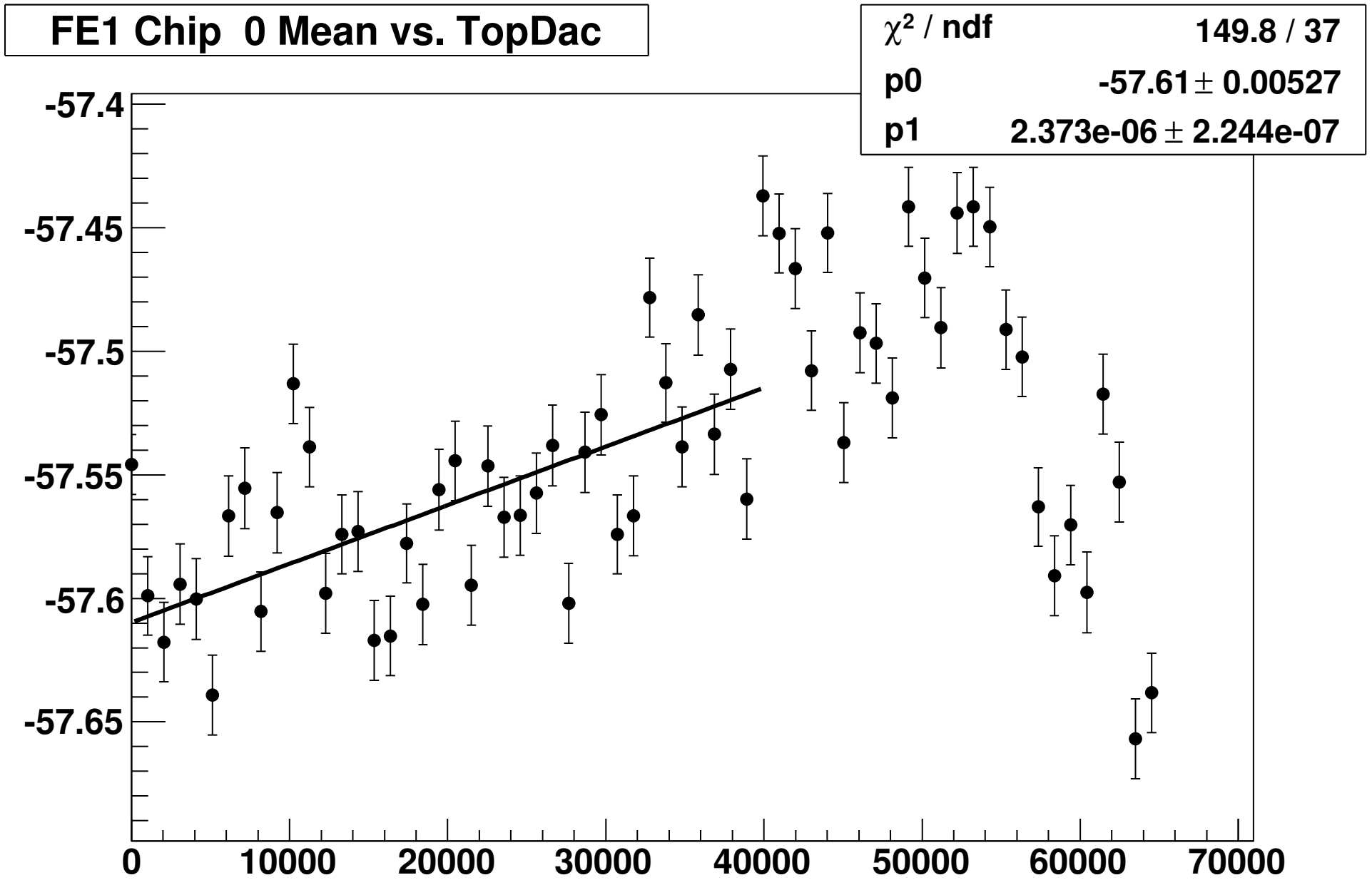
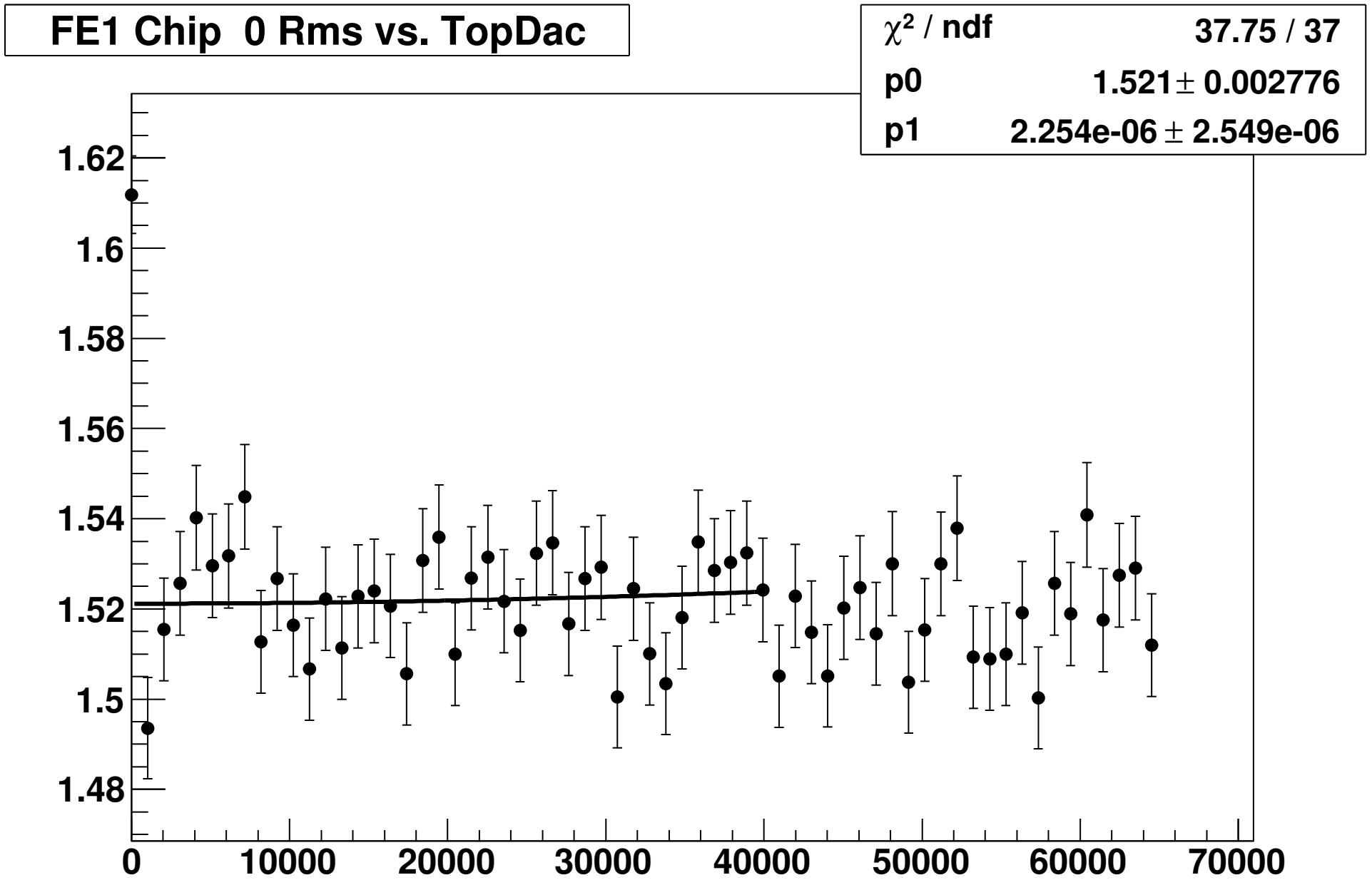

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 6.642e+04 / 37
p0 -59.51 ± 0.005222
p1 0.4511 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1139 / 37
p0 1.389 ± 0.002852
p1 3.492e-05 ± 2.07e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 149.8 / 37
p0 -57.61 ± 0.00527
p1 2.373e-06 ± 2.244e-07
-57.4
-57.45
-57.5
-57.55
-57.6
-57.65
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 37.75 / 37
p0 1.521 ± 0.002776
p1 2.254e-06 ± 2.549e-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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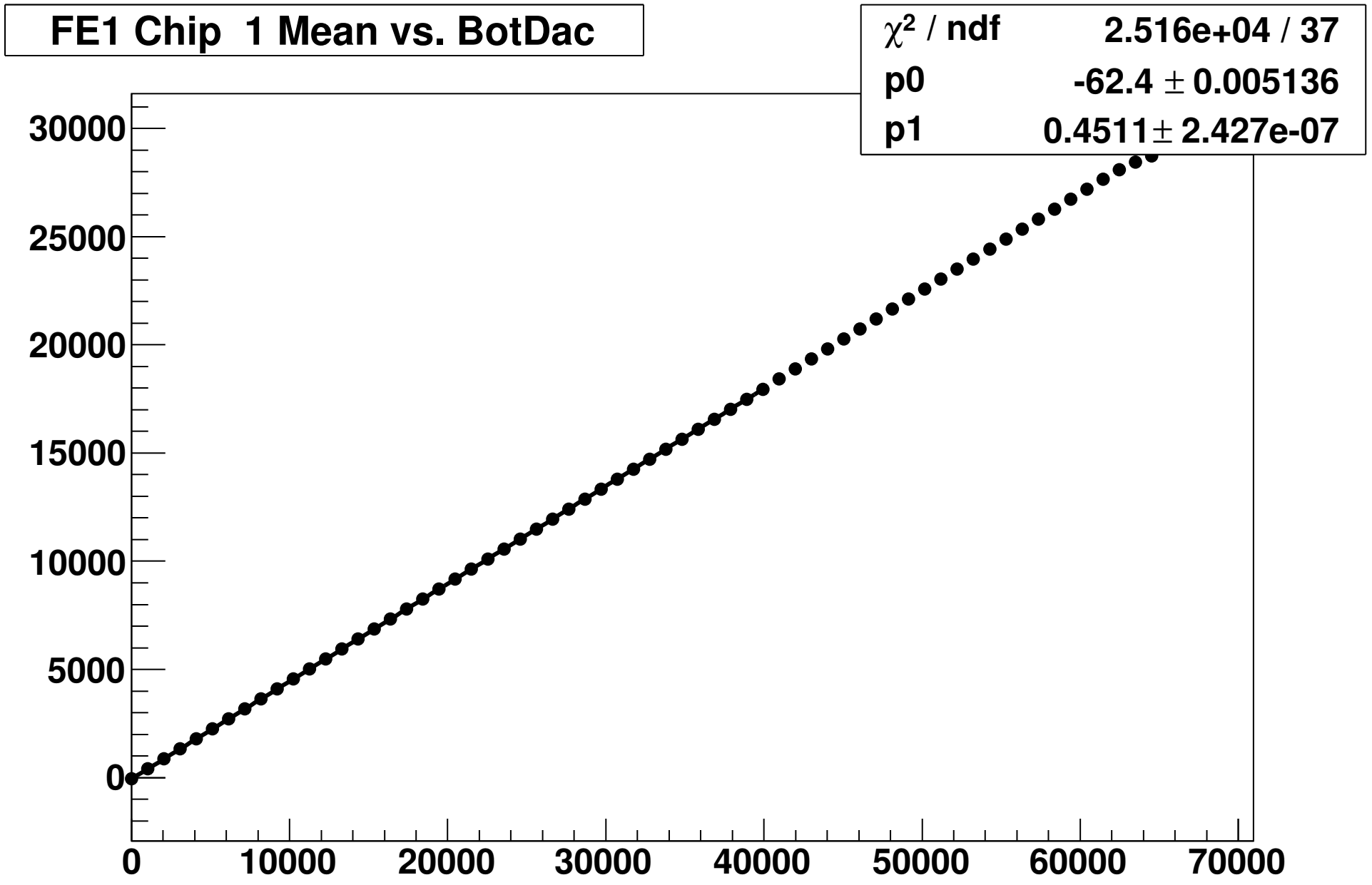
FE1 Chip 1 Mean vs. BotDac
χ² / ndf 2.516e+04 / 37
p0 -62.4 ± 0.005136
p1 0.4511 ± 2.427e-07
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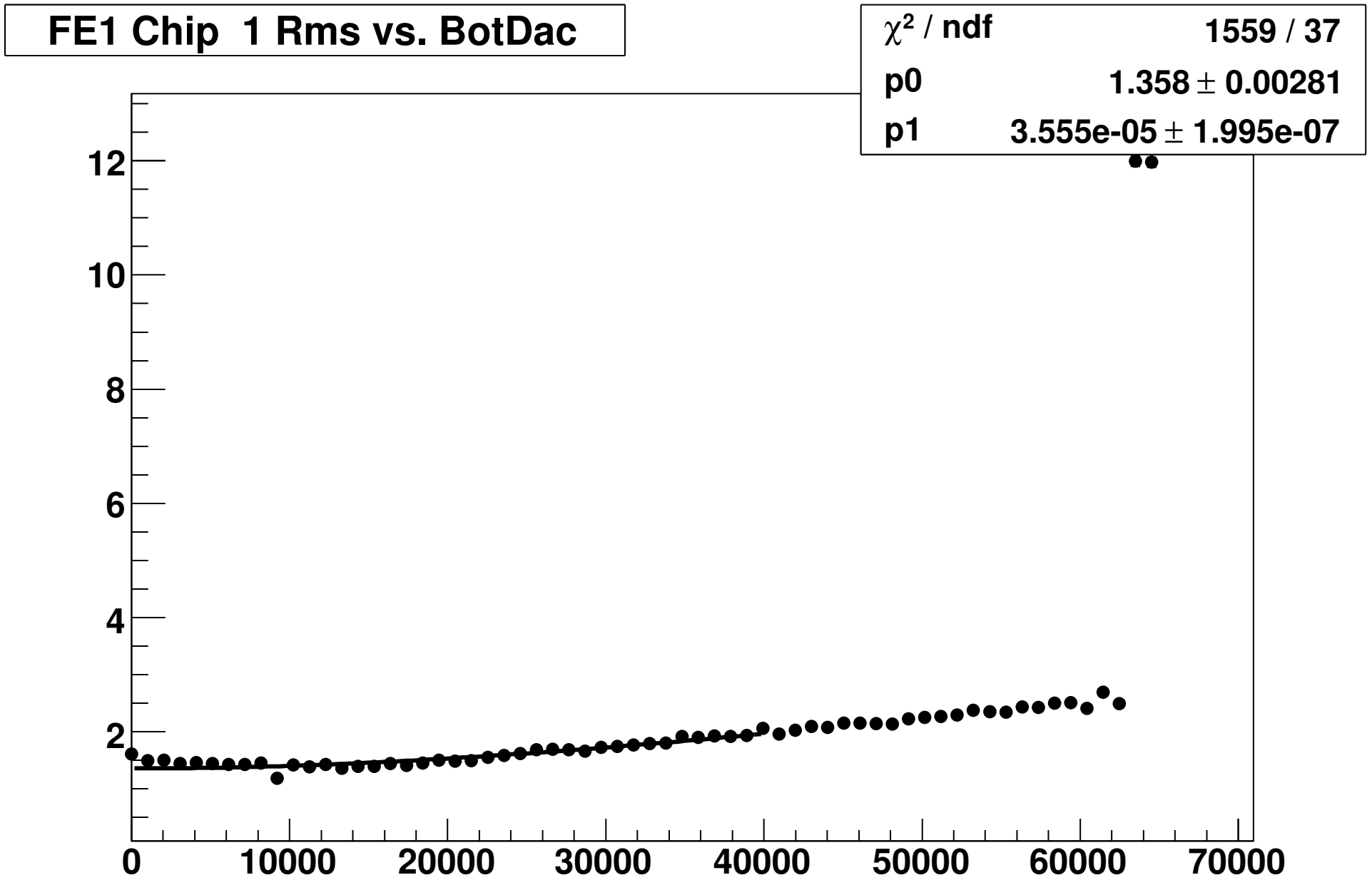
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 1559 / 37
p0 1.358 ± 0.00281
p1 3.555e-05 ± 1.995e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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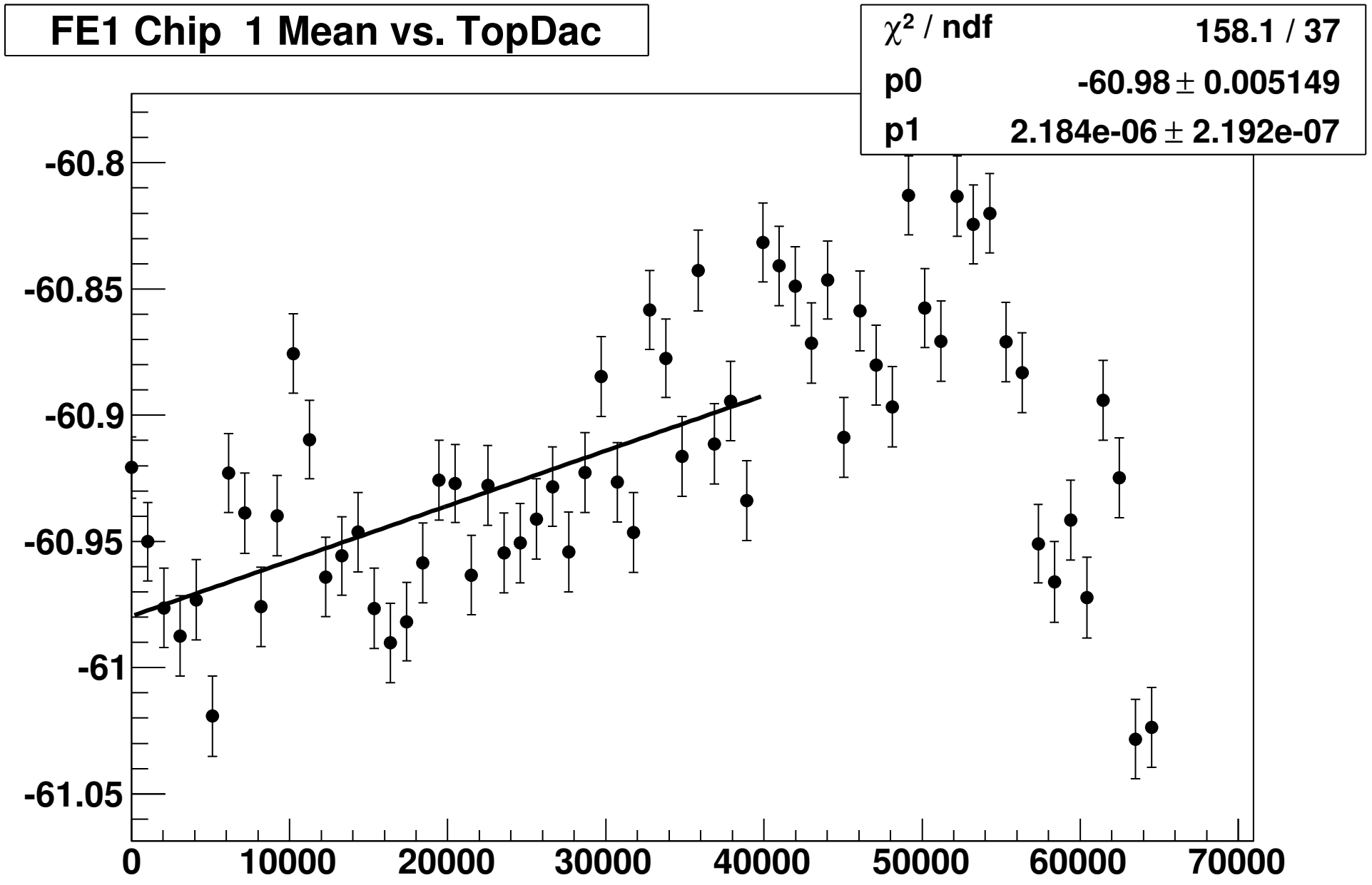
FE1 Chip 1 Mean vs. TopDac
χ² / ndf 158.1 / 37
p0 -60.98 ± 0.005149
p1 2.184e-06 ± 2.192e-07
-60.8
-60.85
-60.9
-60.95
-61
-61.05
0
10000
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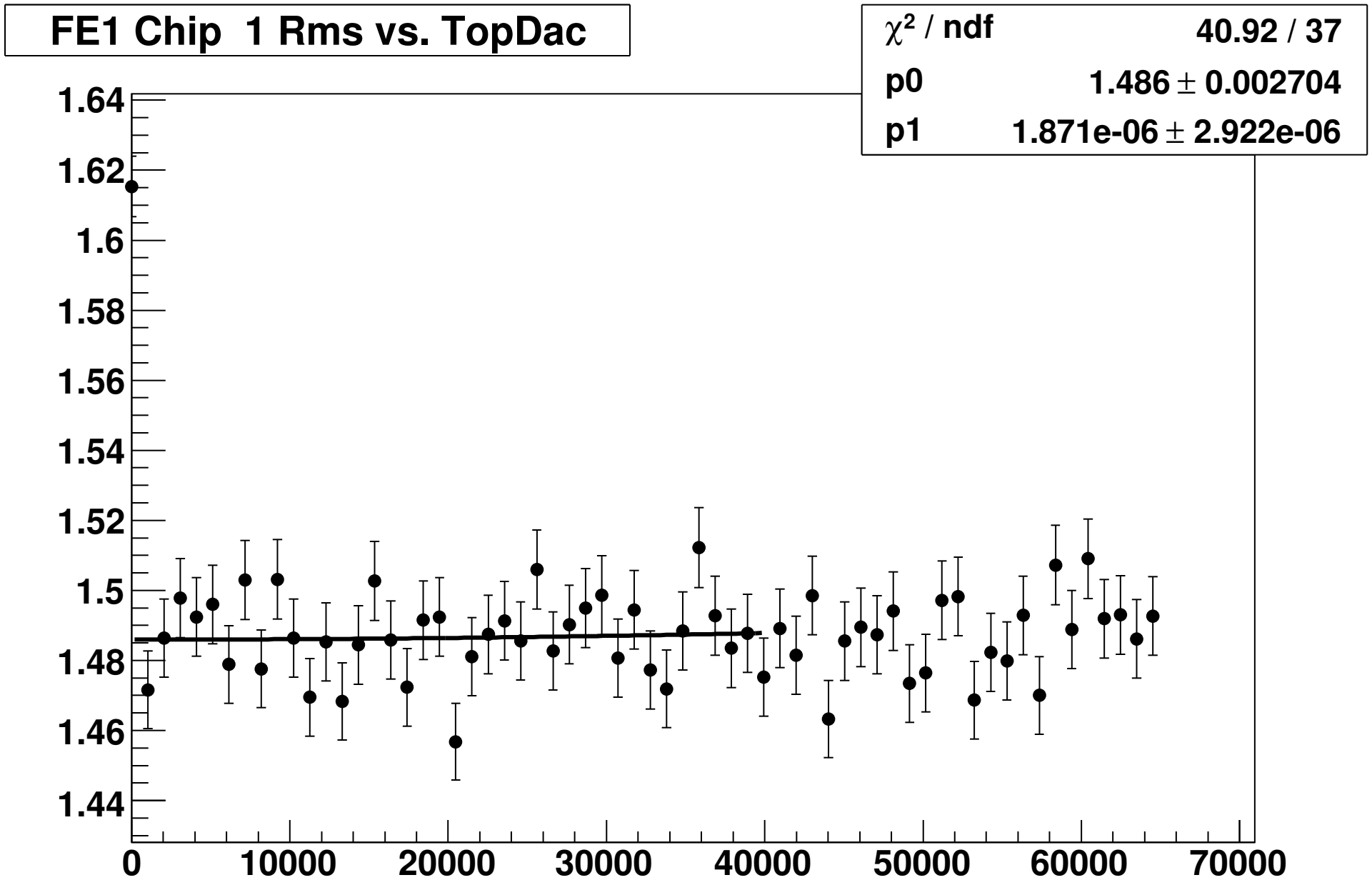
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 40.92 / 37
p0 1.486 ± 0.002704
p1 1.871e-06 ± 2.922e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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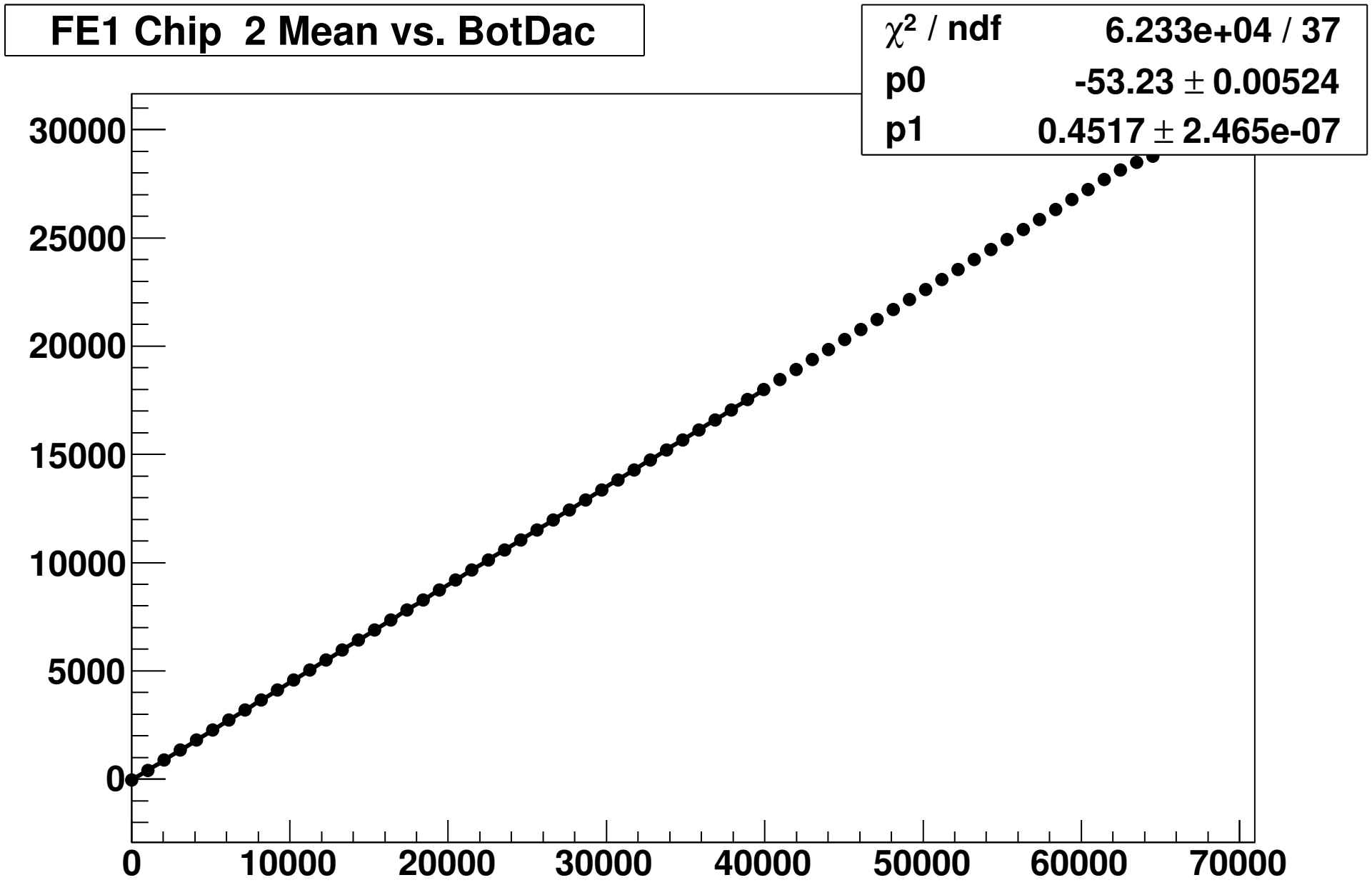
FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.233e+04 / 37
p0 -53.23 ± 0.00524
p1 0.4517 ± 2.465e-07
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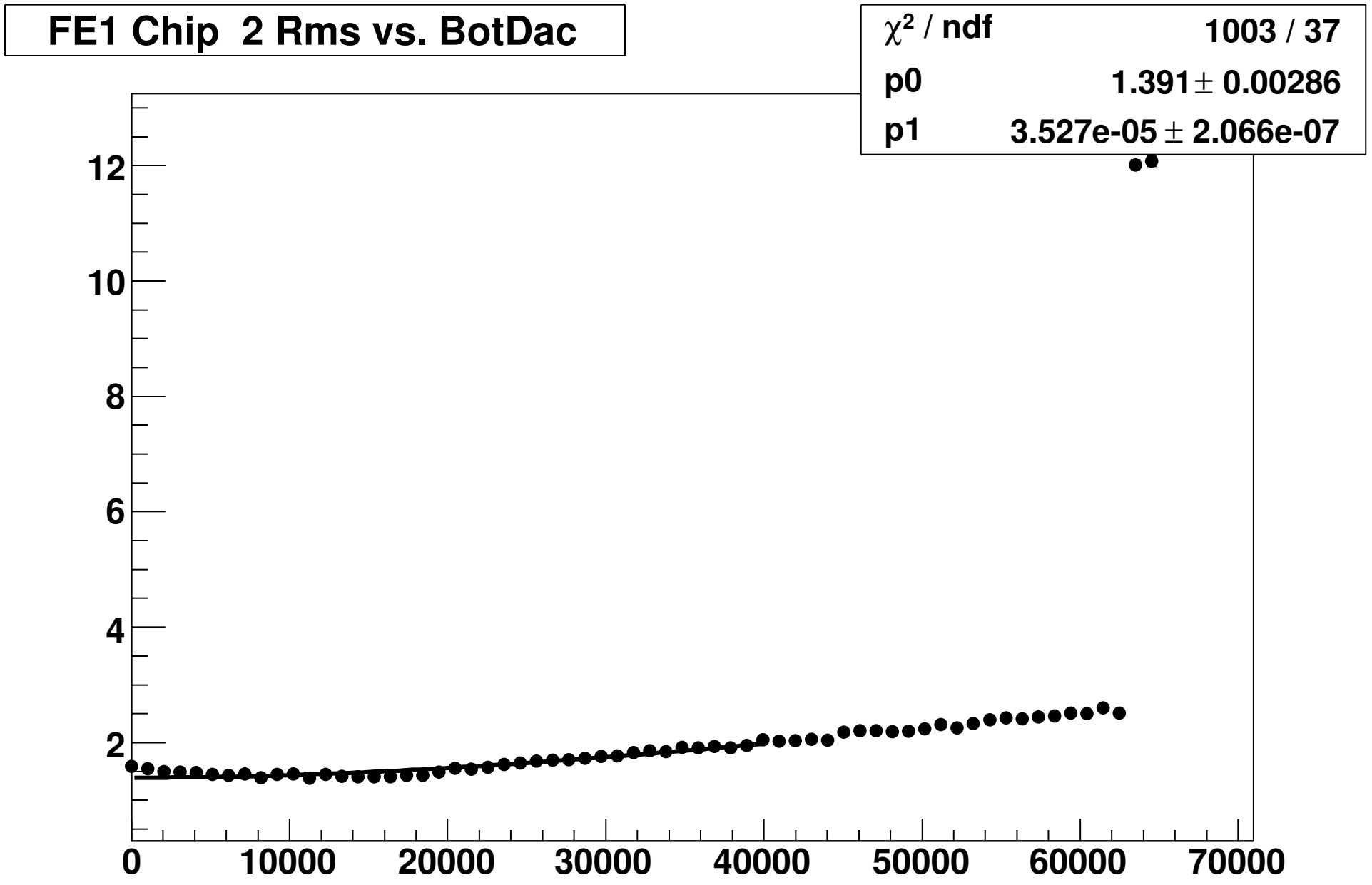
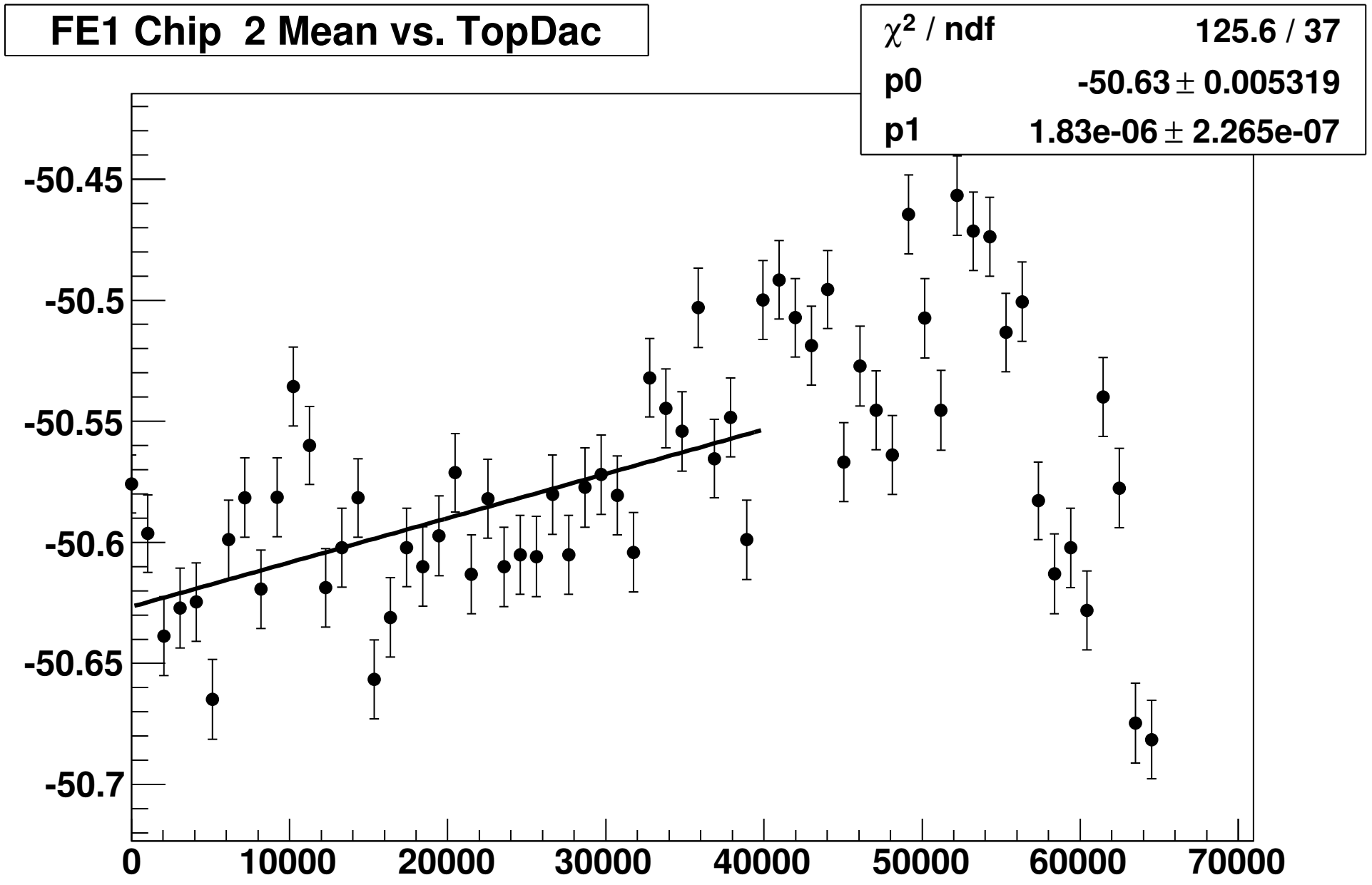
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1003 / 37
p0 1.391 ± 0.00286
p1 3.527e-05 ± 2.066e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 125.6 / 37
p0 -50.63 ± 0.005319
p1 1.83e-06 ± 2.265e-07
-50.45
-50.5
-50.55
-50.6
-50.65
-50.7
0
10000
20000
30000
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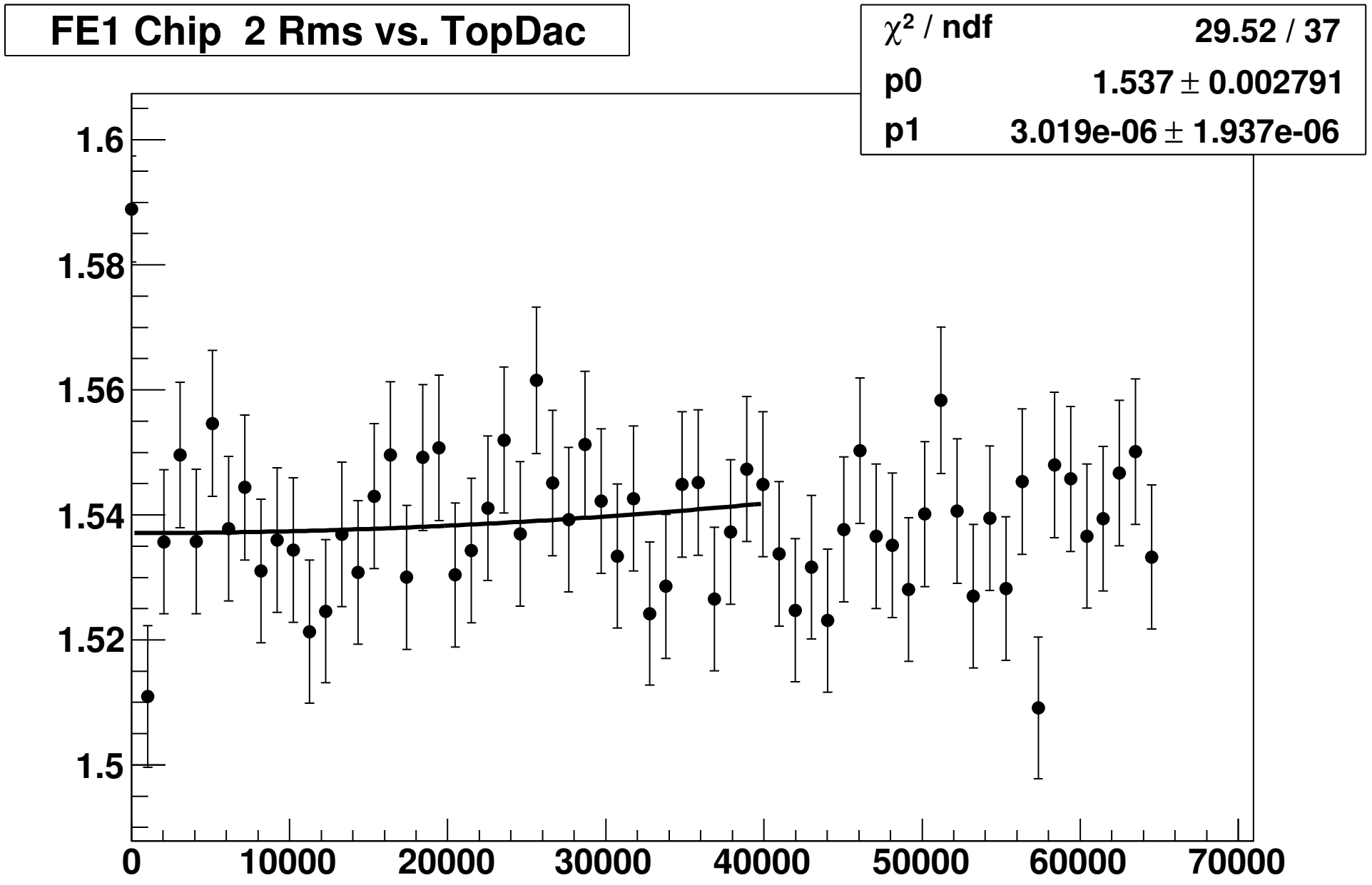
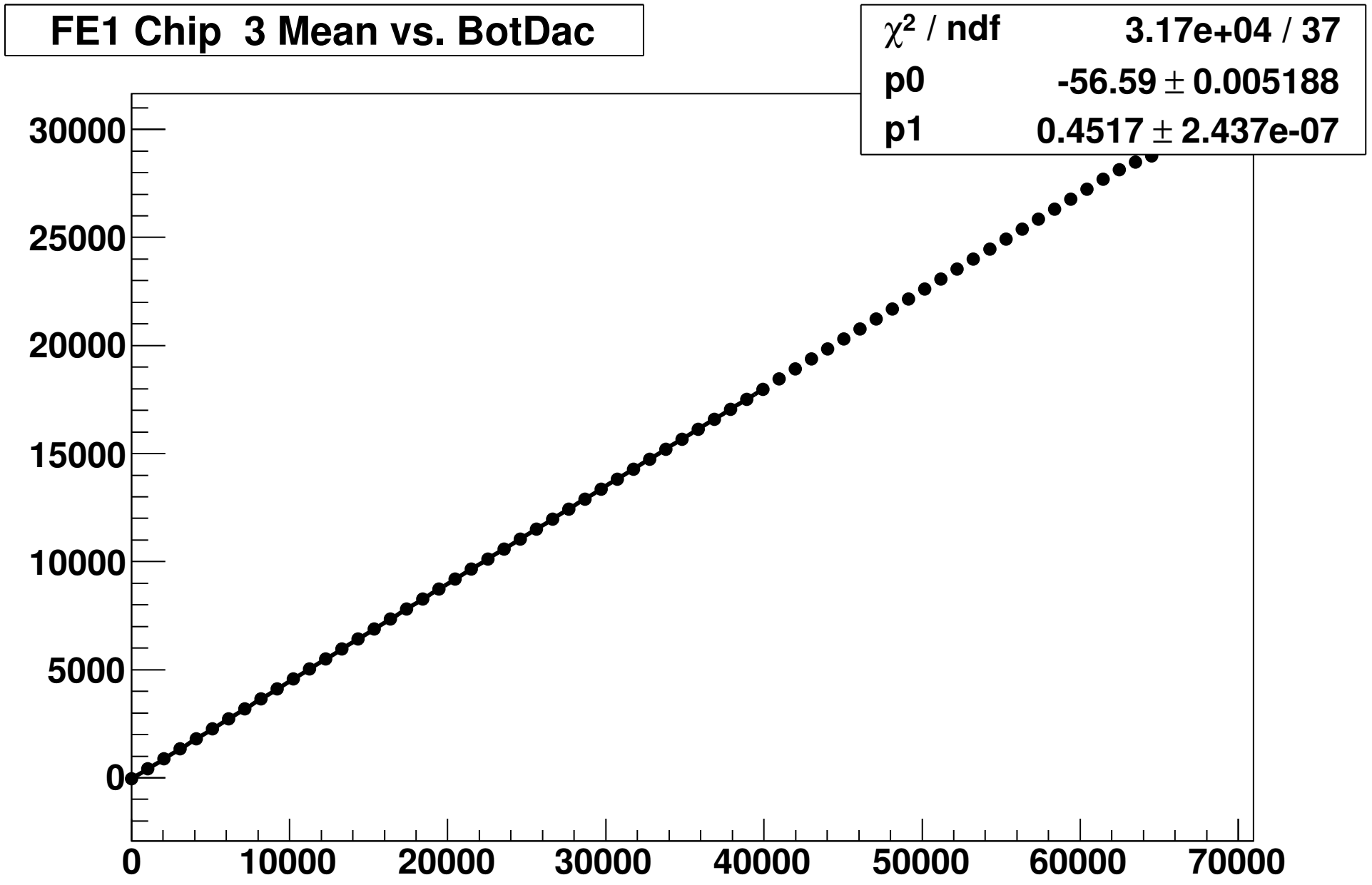
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 29.52 / 37
p0 1.537 ± 0.002791
p1 3.019e-06 ± 1.937e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 3.17e+04 / 37
p0 -56.59 ± 0.005188
p1 0.4517 ± 2.437e-07
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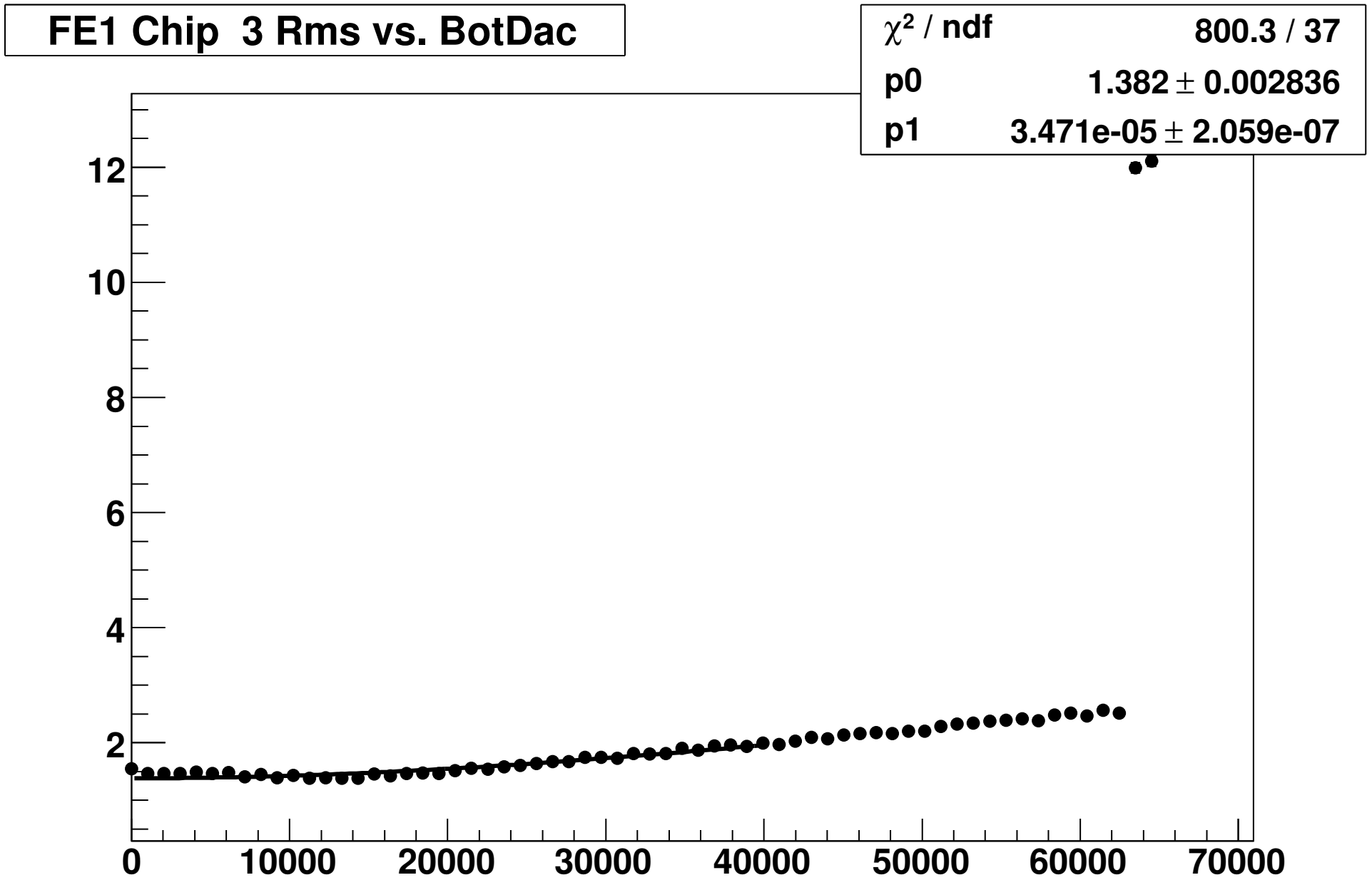
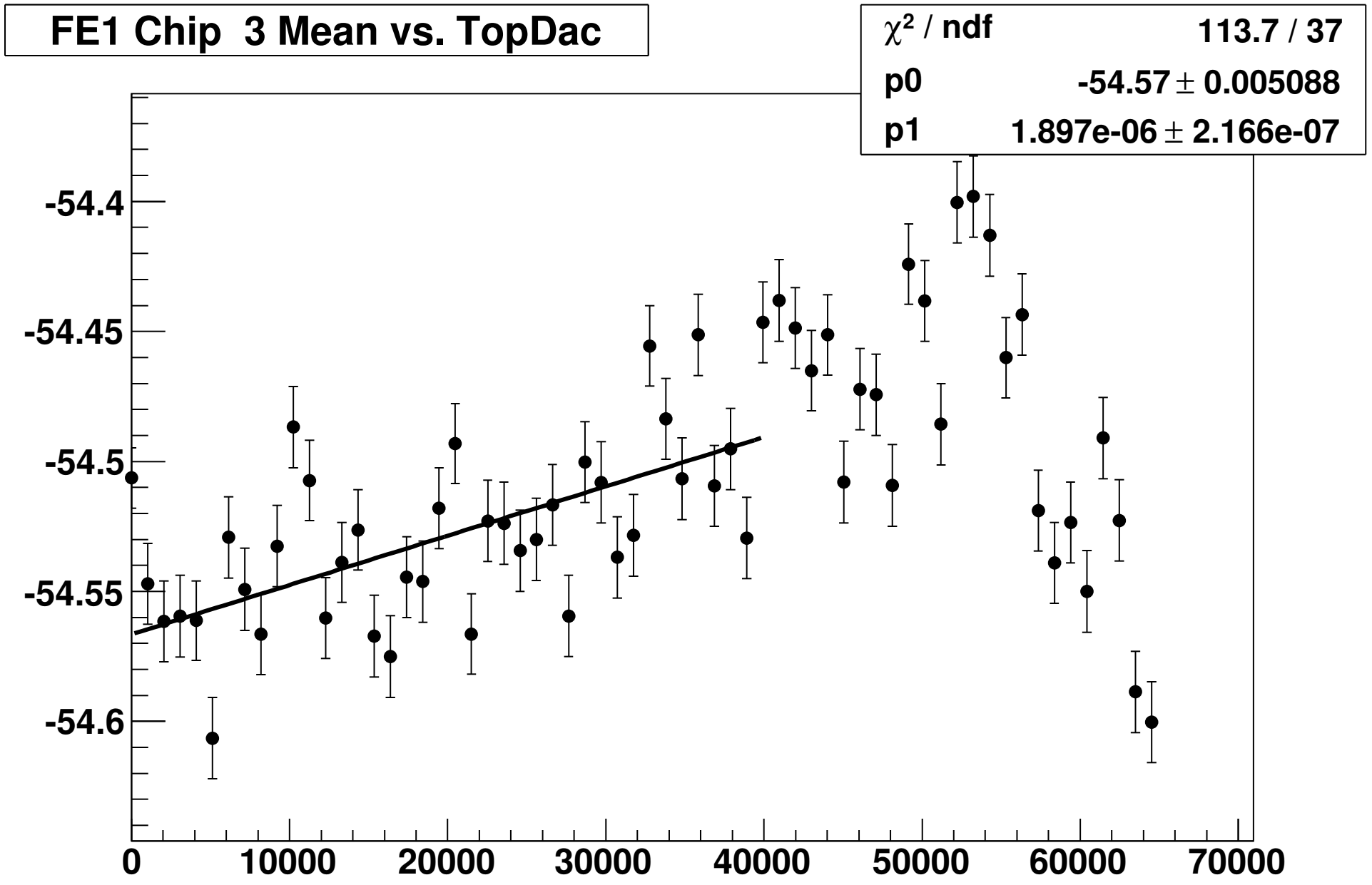
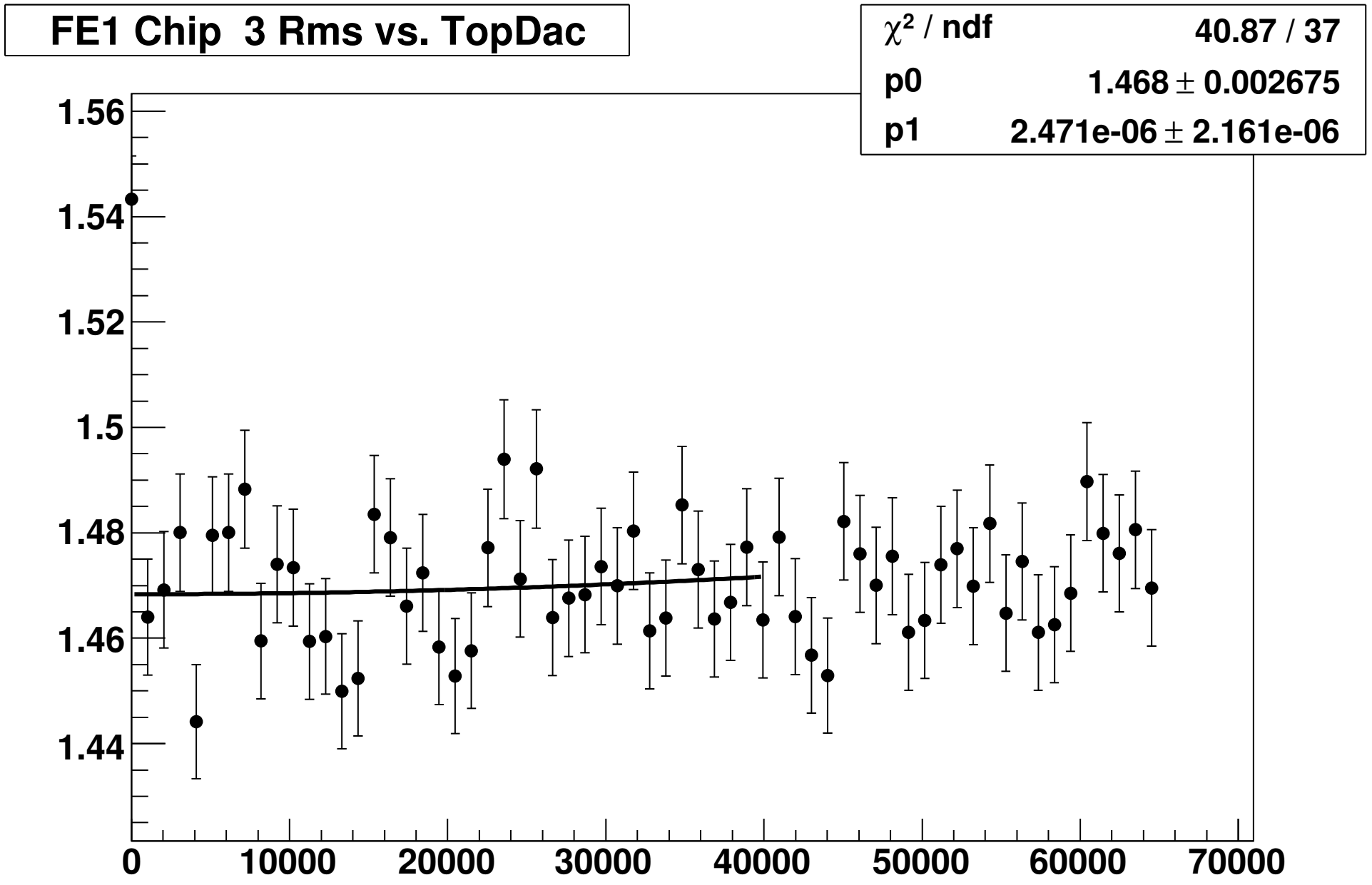
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 800.3 / 37
p0 1.382 ± 0.002836
p1 3.471e-05 ± 2.059e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 113.7 / 37
p0 -54.57 ± 0.005088
p1 1.897e-06 ± 2.166e-07
-54.4
-54.45
-54.5
-54.55
-54.6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 40.87 / 37
p0 1.468 ± 0.002675
p1 2.471e-06 ± 2.161e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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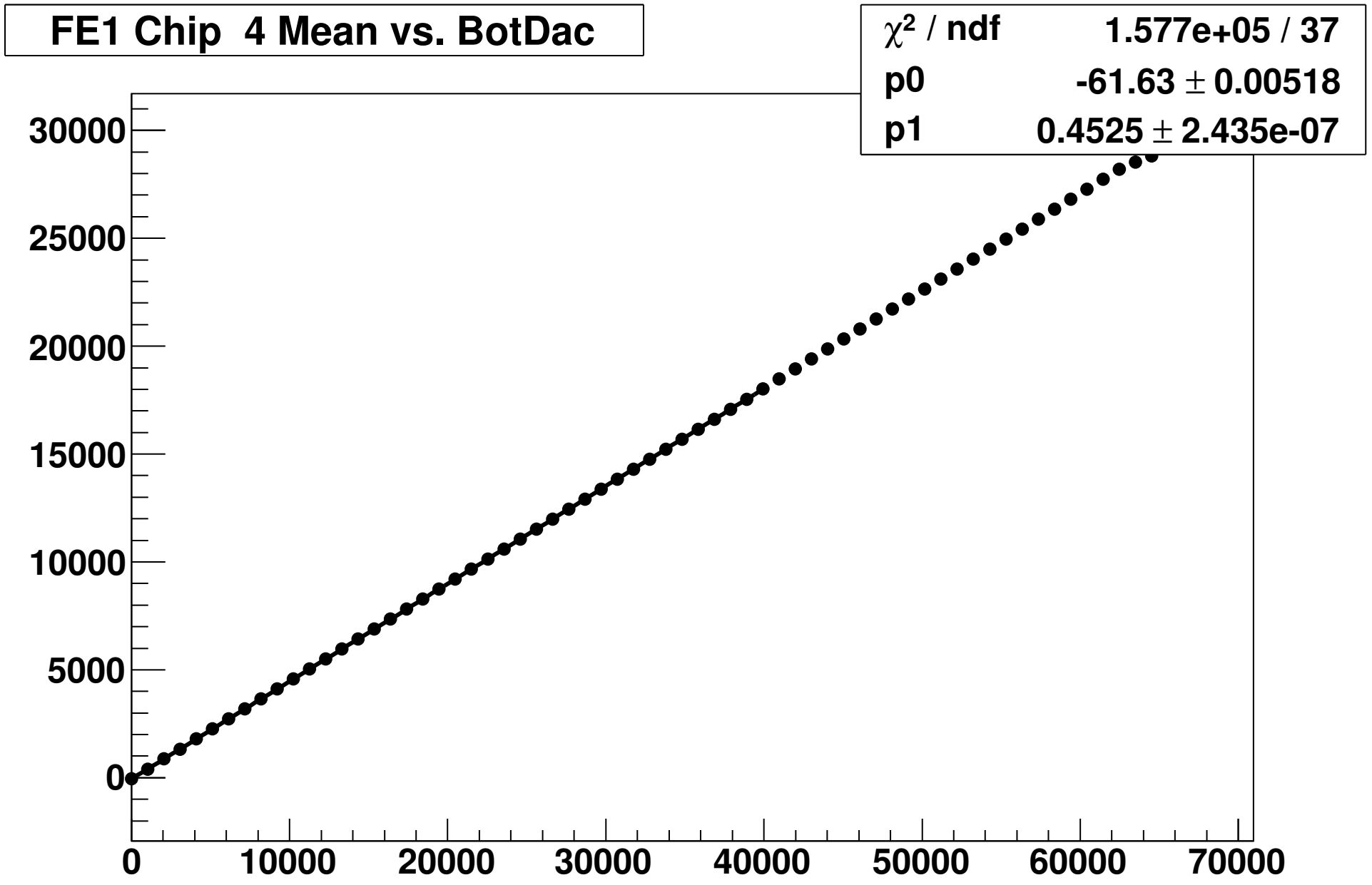
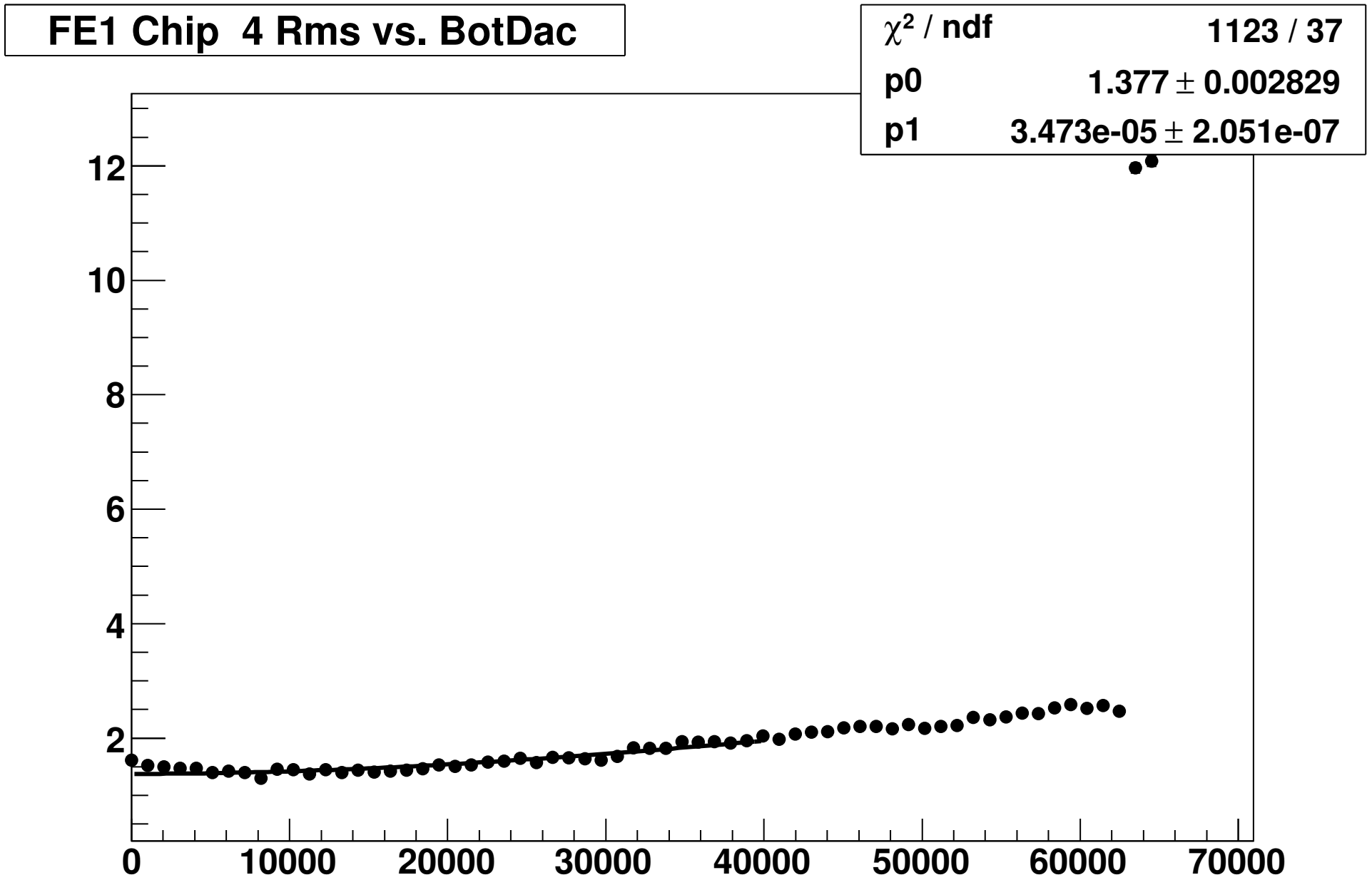
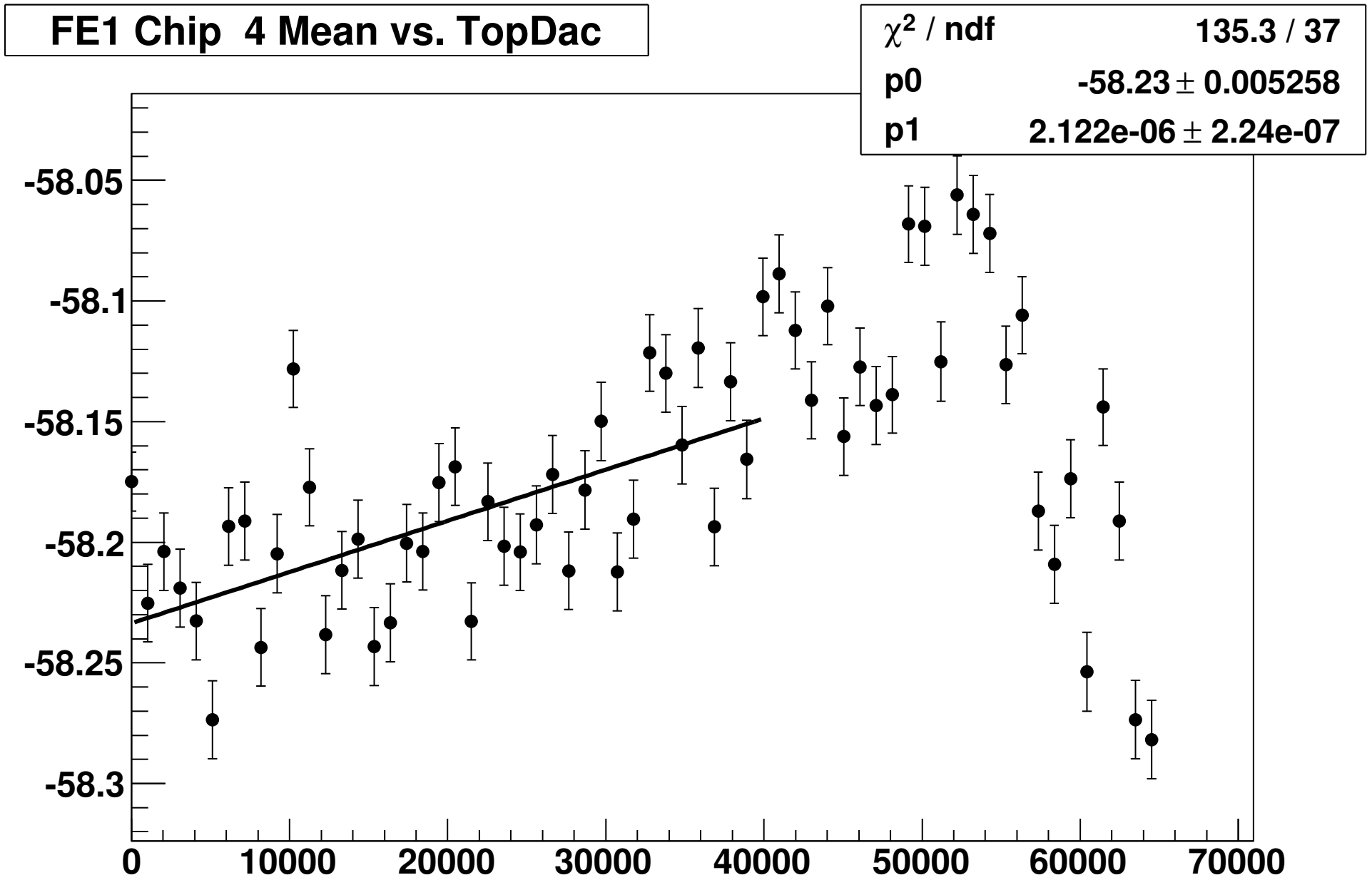
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.577e+05 / 37
p0 -61.63 ± 0.00518
p1 0.4525 ± 2.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1123 / 37
p0 1.377 ± 0.002829
p1 3.473e-05 ± 2.051e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 135.3 / 37
p0 -58.23 ± 0.005258
p1 2.122e-06 ± 2.24e-07
-58.05
-58.1
-58.15
-58.2
-58.25
-58.3
0
10000
20000
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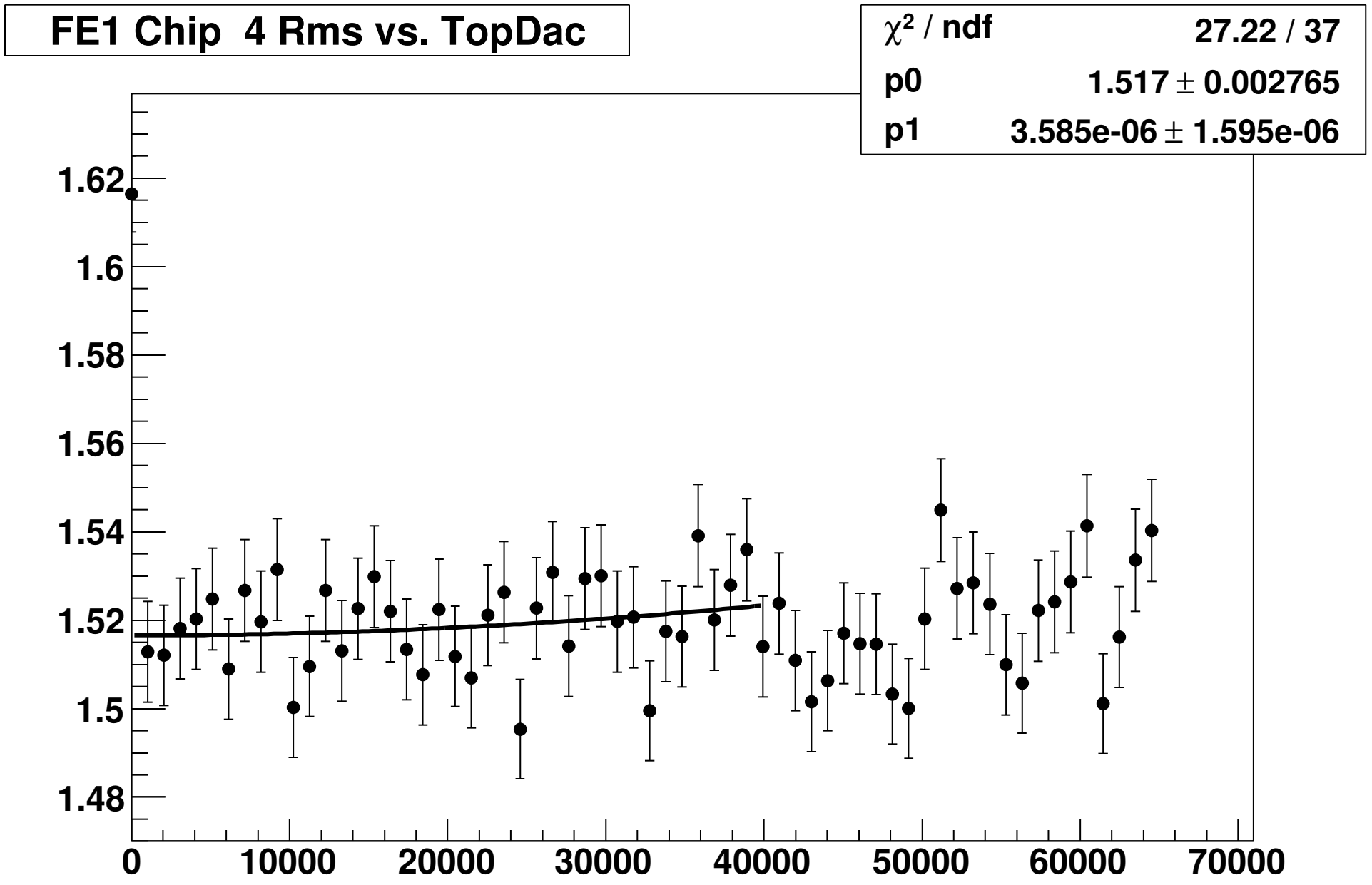
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 27.22 / 37
p0 1.517 ± 0.002765
p1 3.585e-06 ± 1.595e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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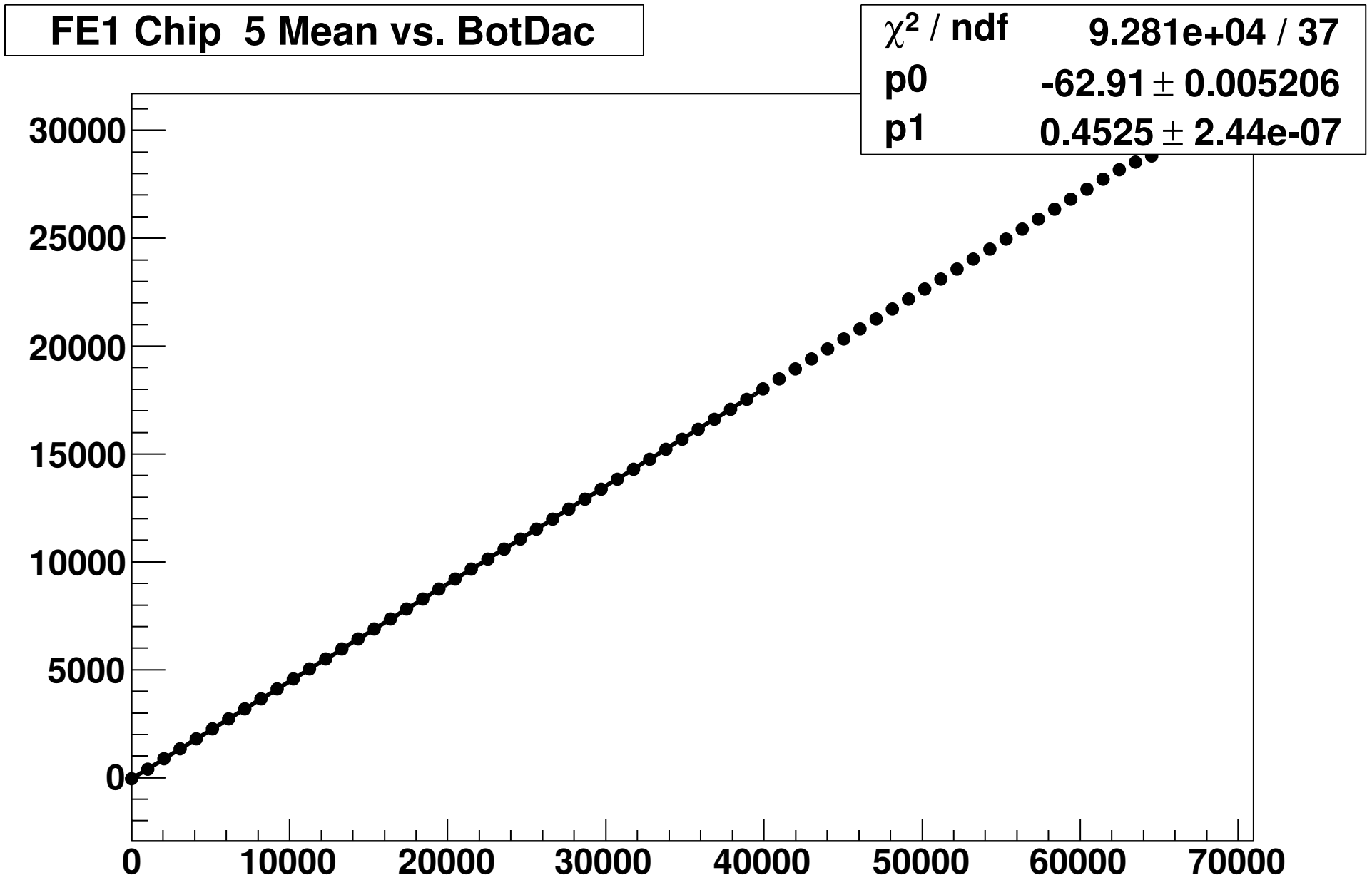
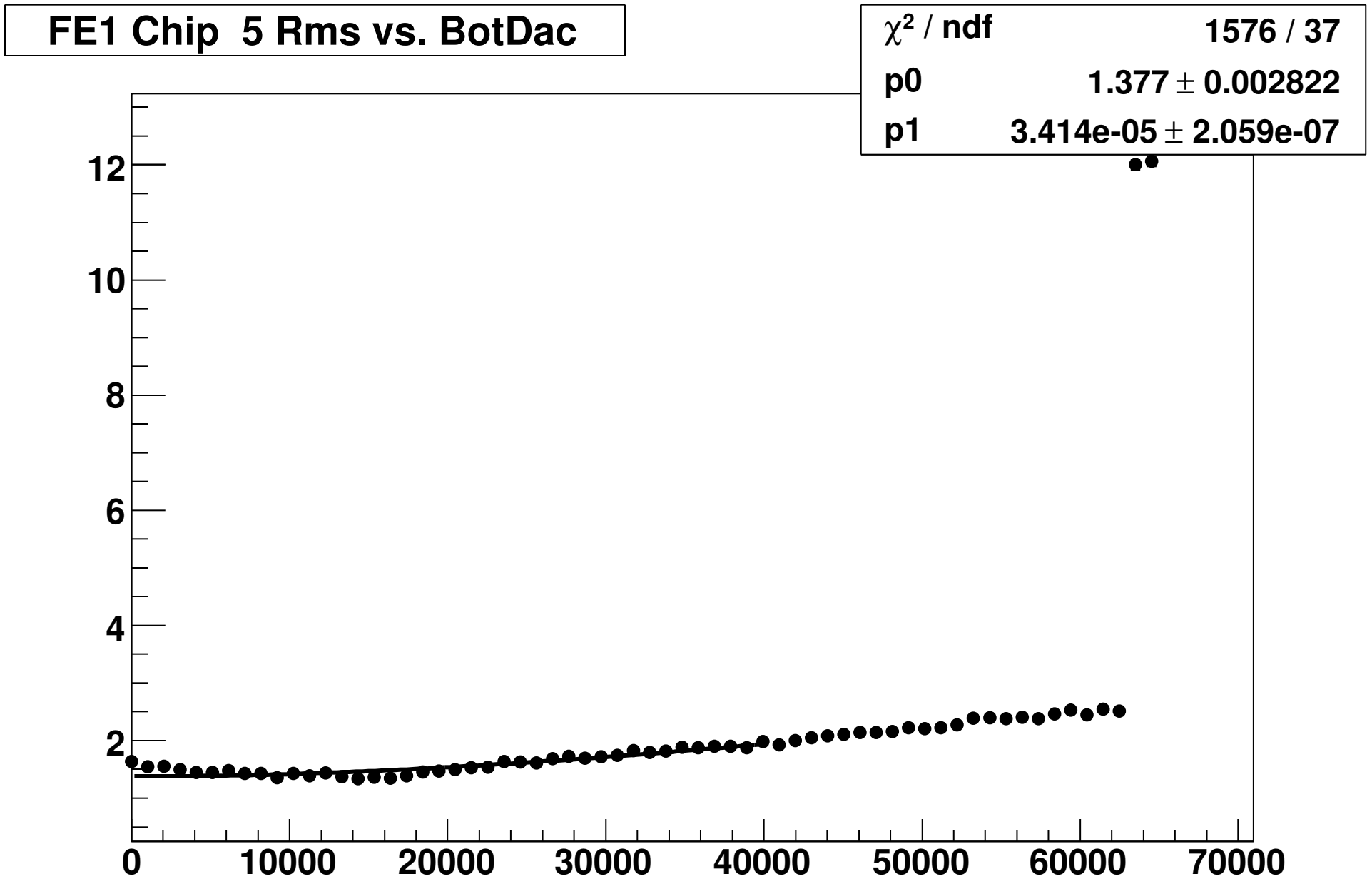

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 9.281e+04 / 37
p0 -62.91 ± 0.005206
p1 0.4525 ± 2.44e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1576 / 37
p0 1.377 ± 0.002822
p1 3.414e-05 ± 2.059e-07
12
10
8
6
4
2
0
10000
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30000
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60000
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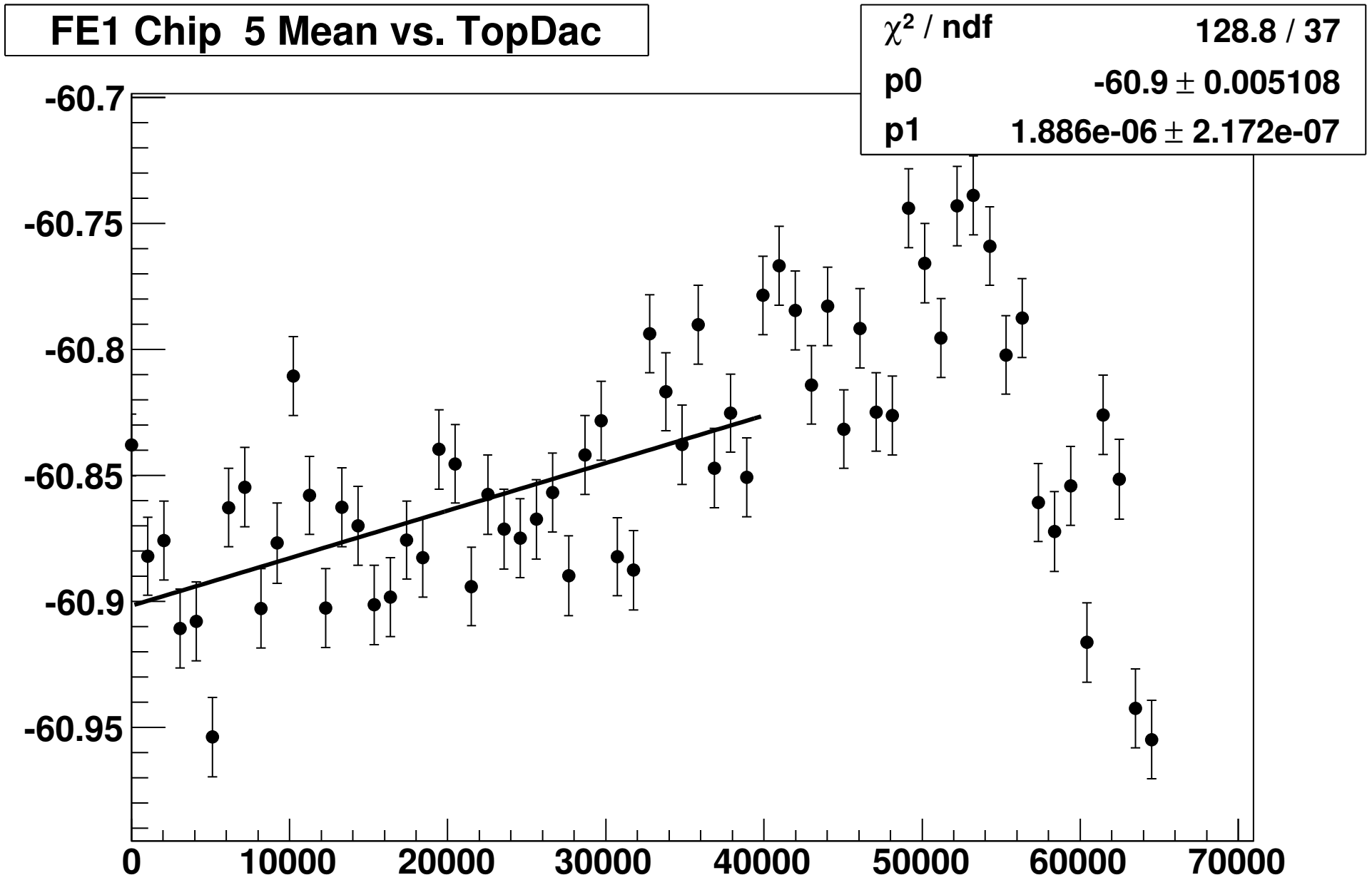
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 128.8 / 37
p0 -60.9 ± 0.005108
p1 1.886e-06 ± 2.172e-07
-60.7
-60.75
-60.8
-60.85
-60.9
-60.95
0
10000
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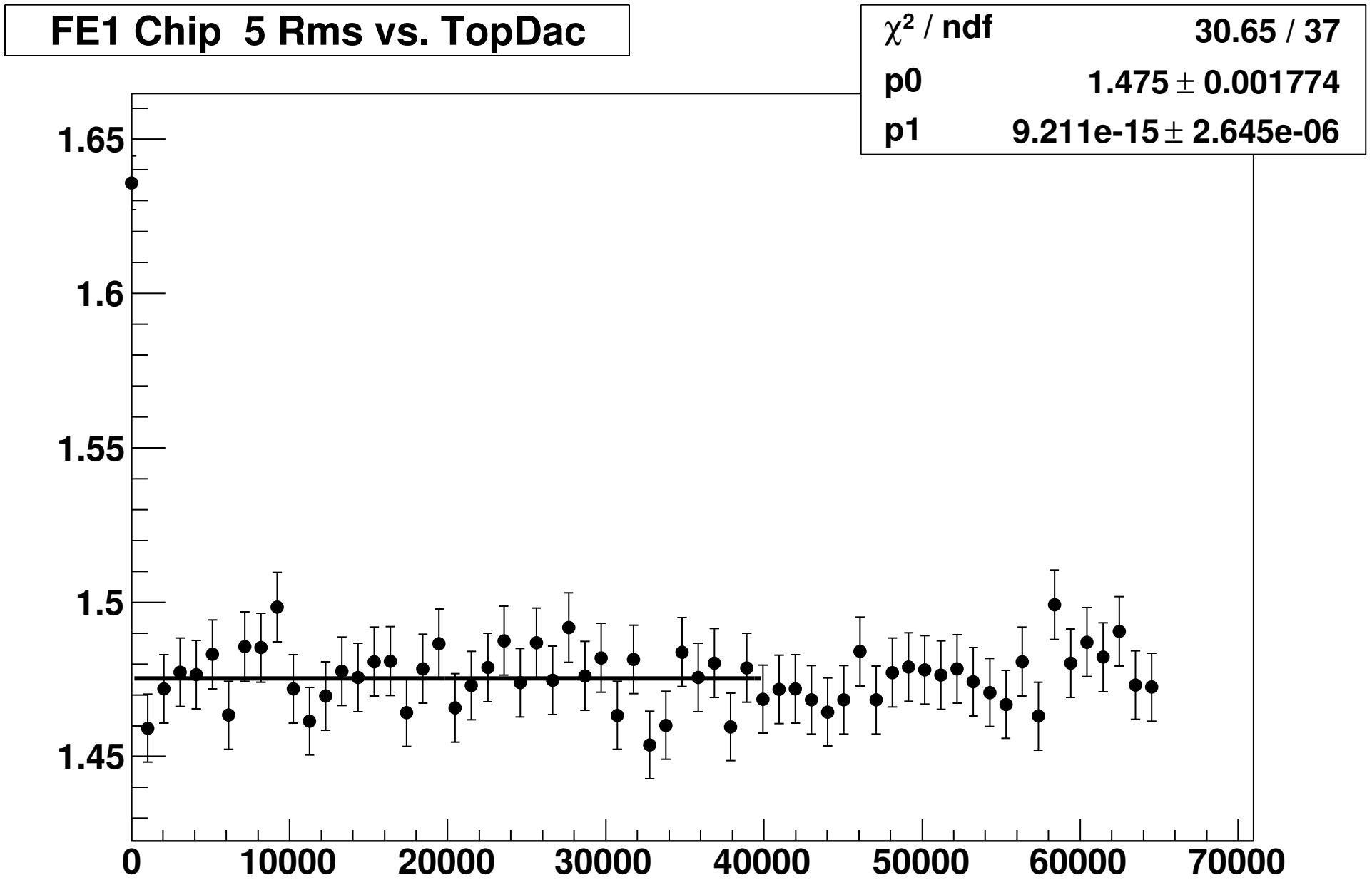
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 30.65 / 37
p0 1.475 ± 0.001774
p1 9.211e-15 ± 2.645e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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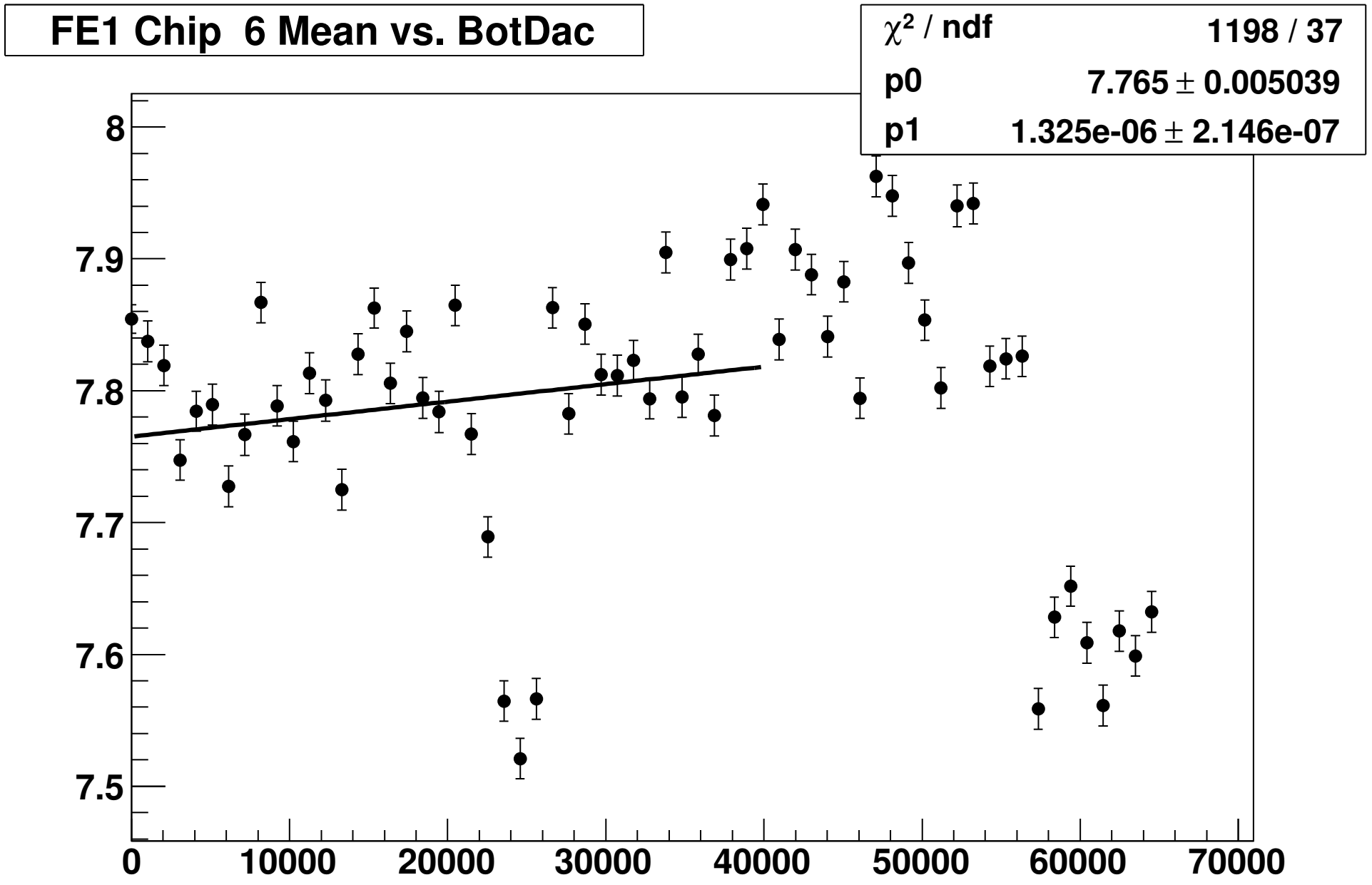
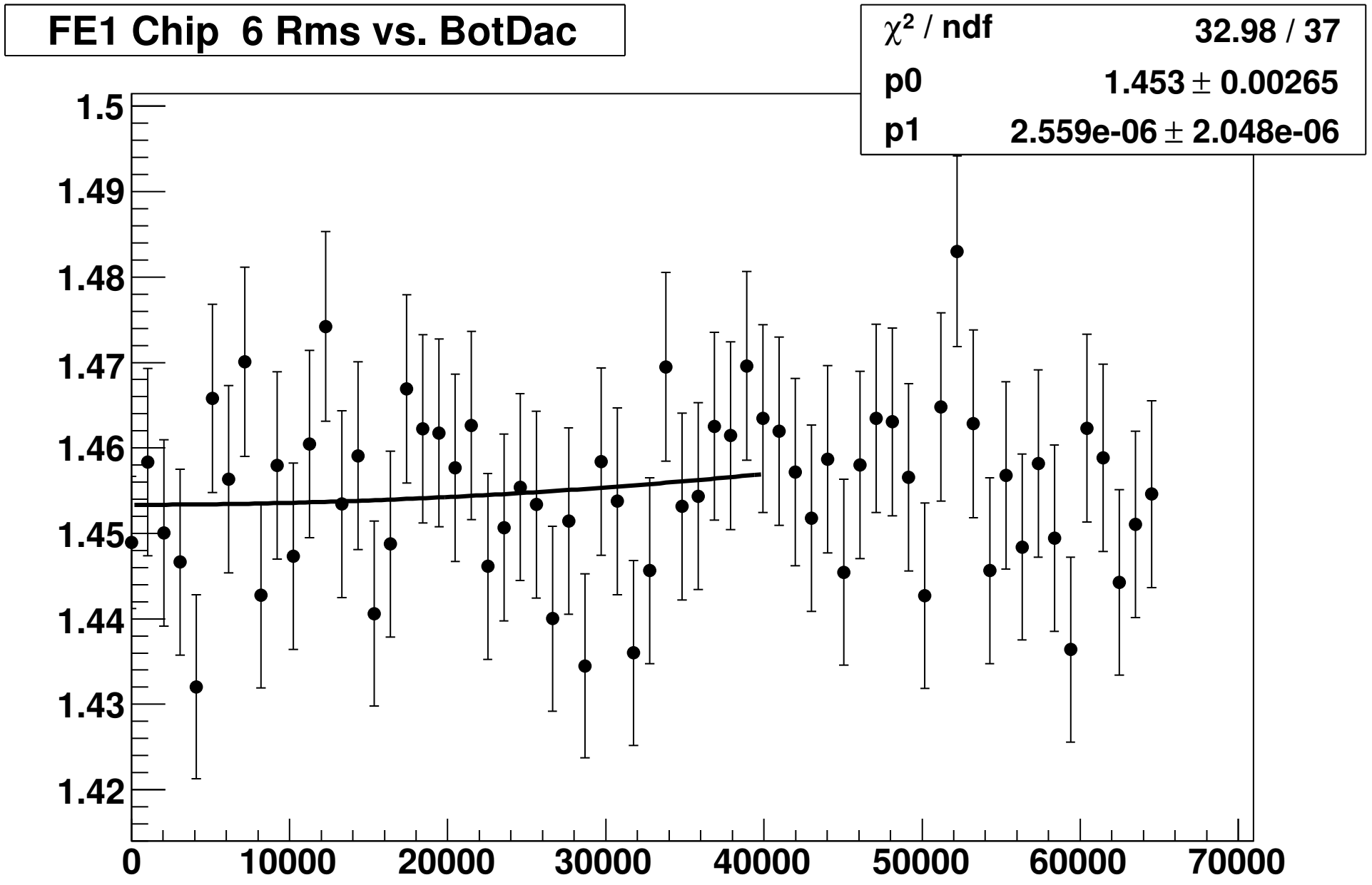
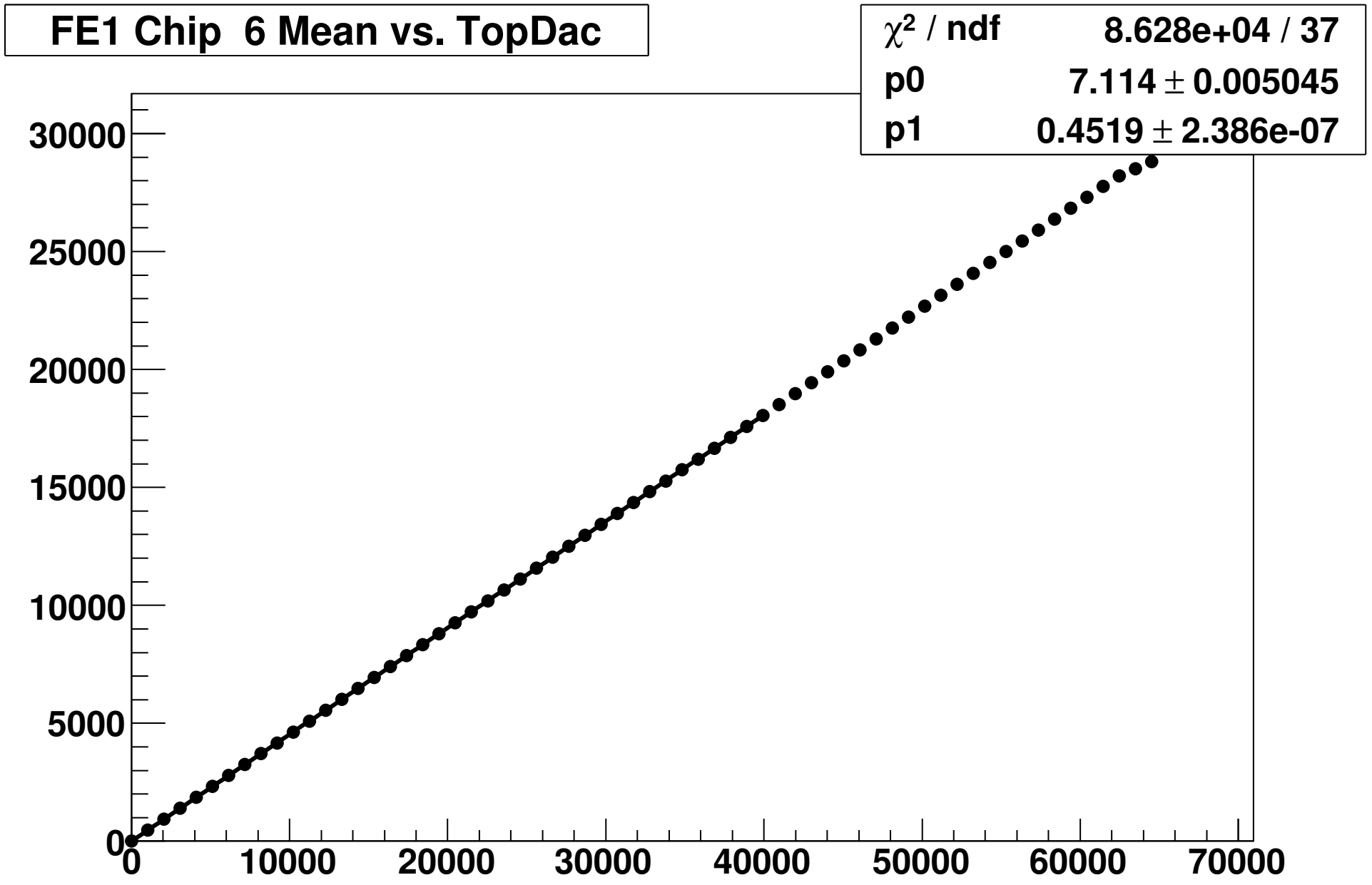
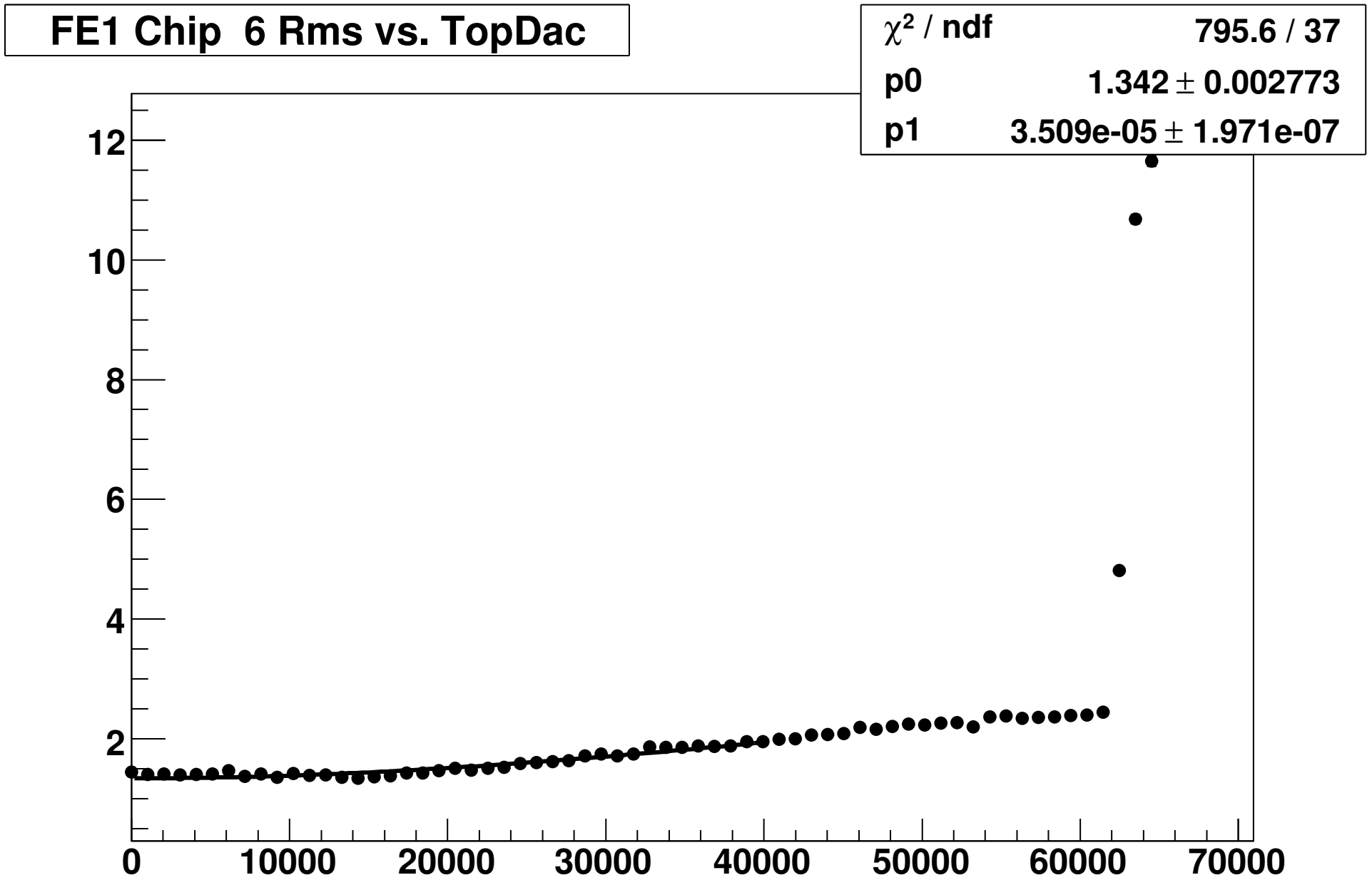
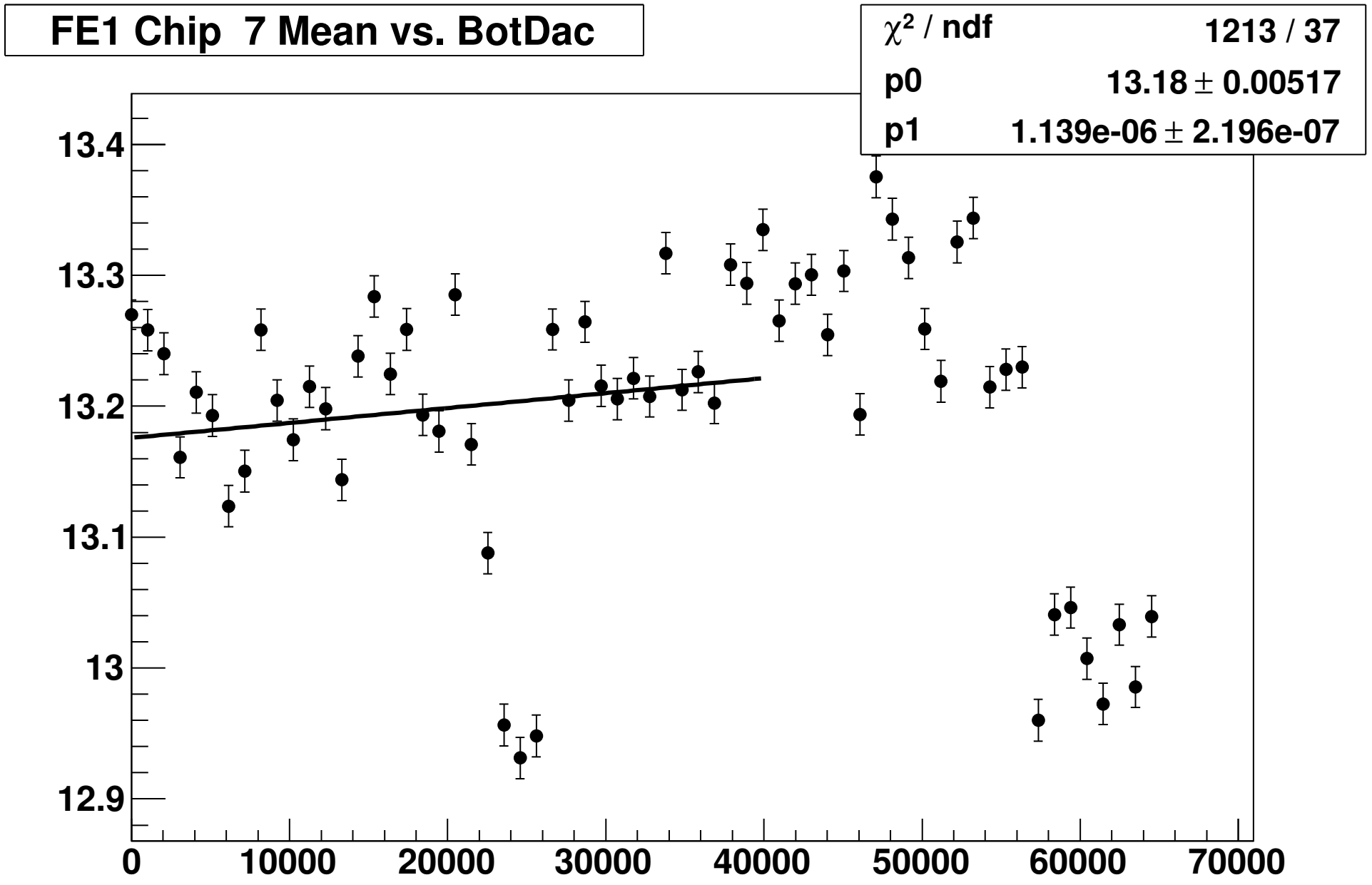
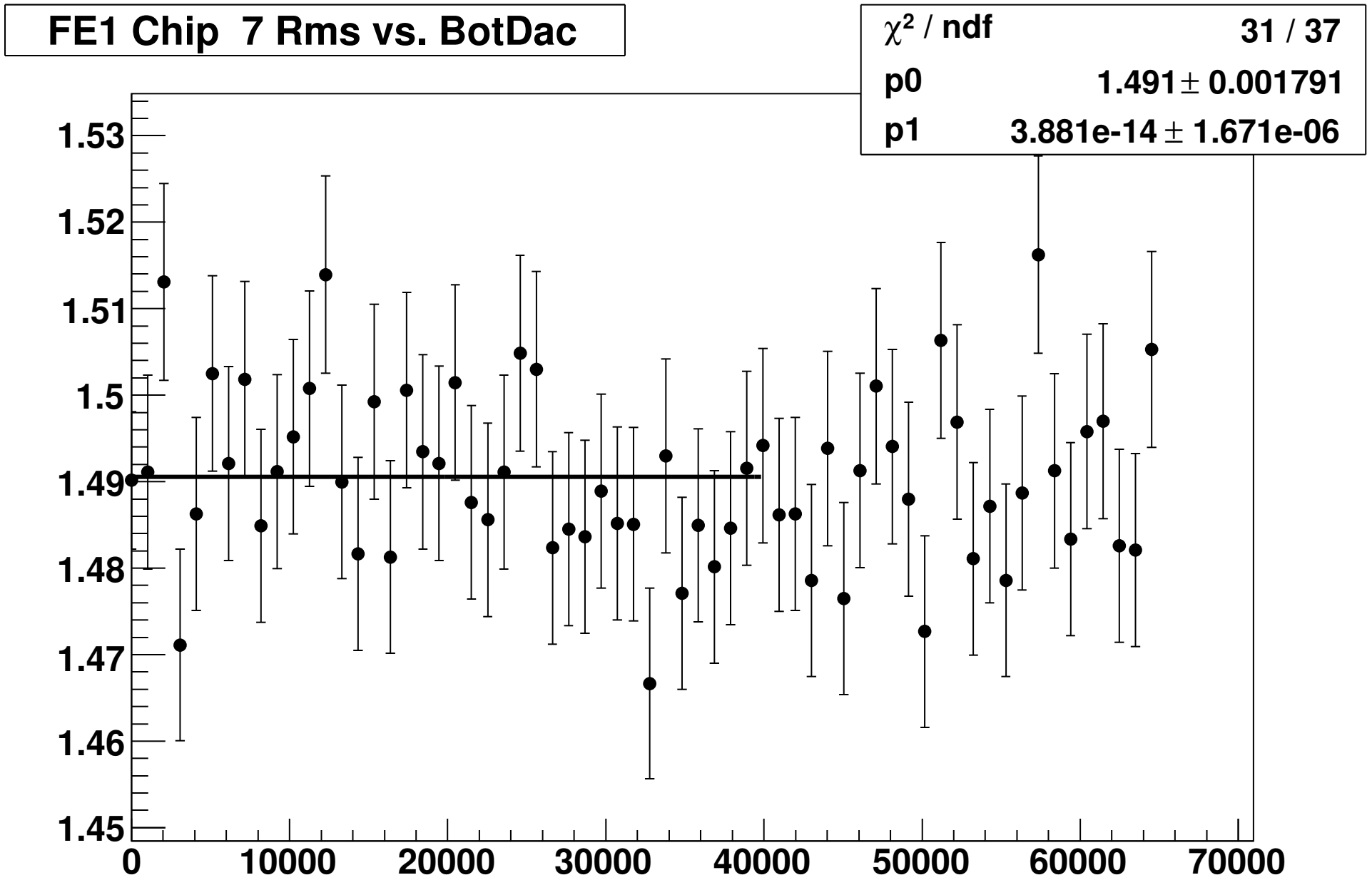

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1198 / 37
p0 7.765 ± 0.005039
p1 1.325e-06 ± 2.146e-07
8
7.9
7.8
7.7
7.6
7.5
0
10000
20000
30000
40000
50000
60000
70000

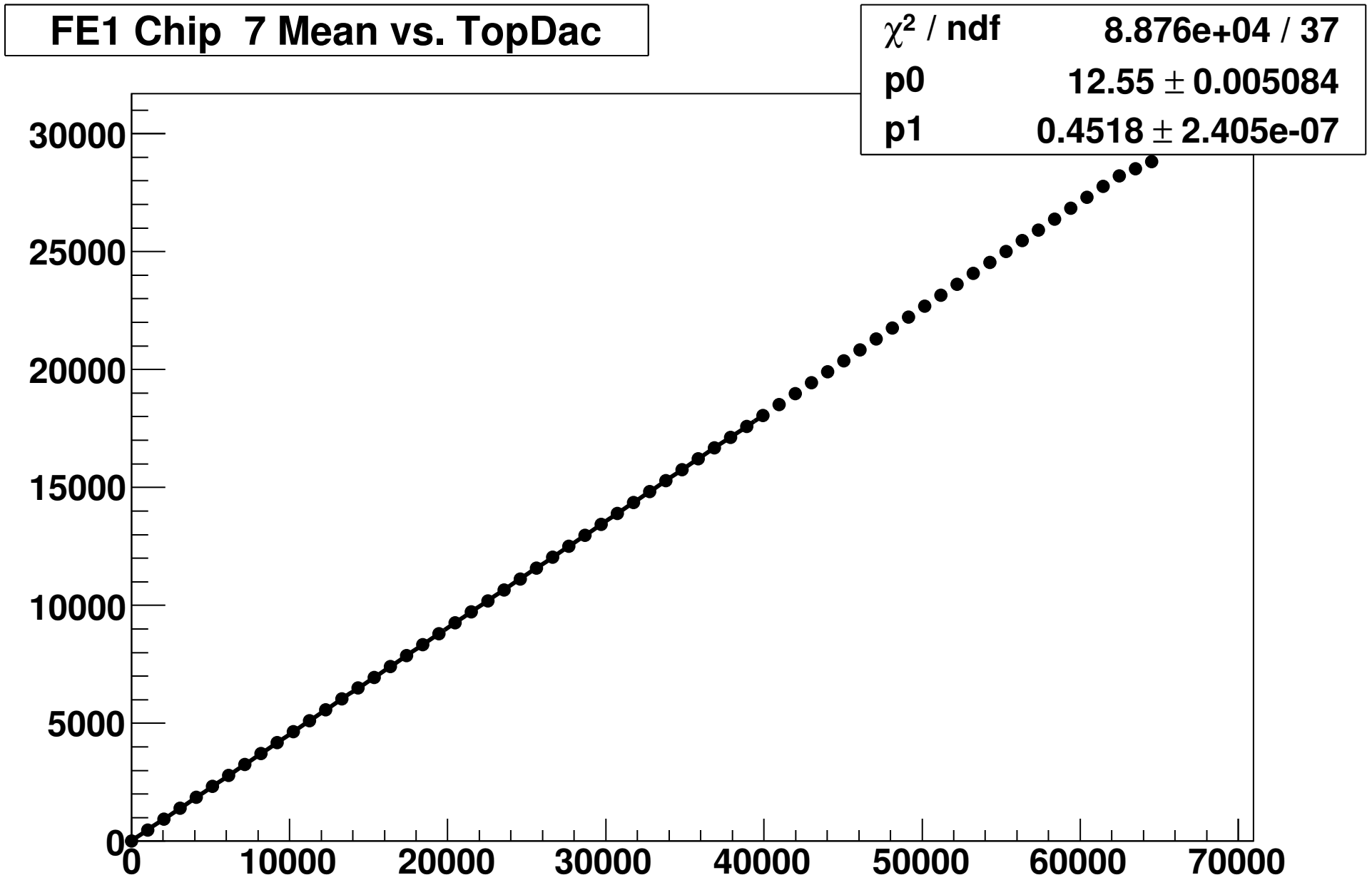

FE1 Chip 6 Rms vs. BotDac
χ² / ndf 32.98 / 37
p0 1.453 ± 0.00265
p1 2.559e-06 ± 2.048e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

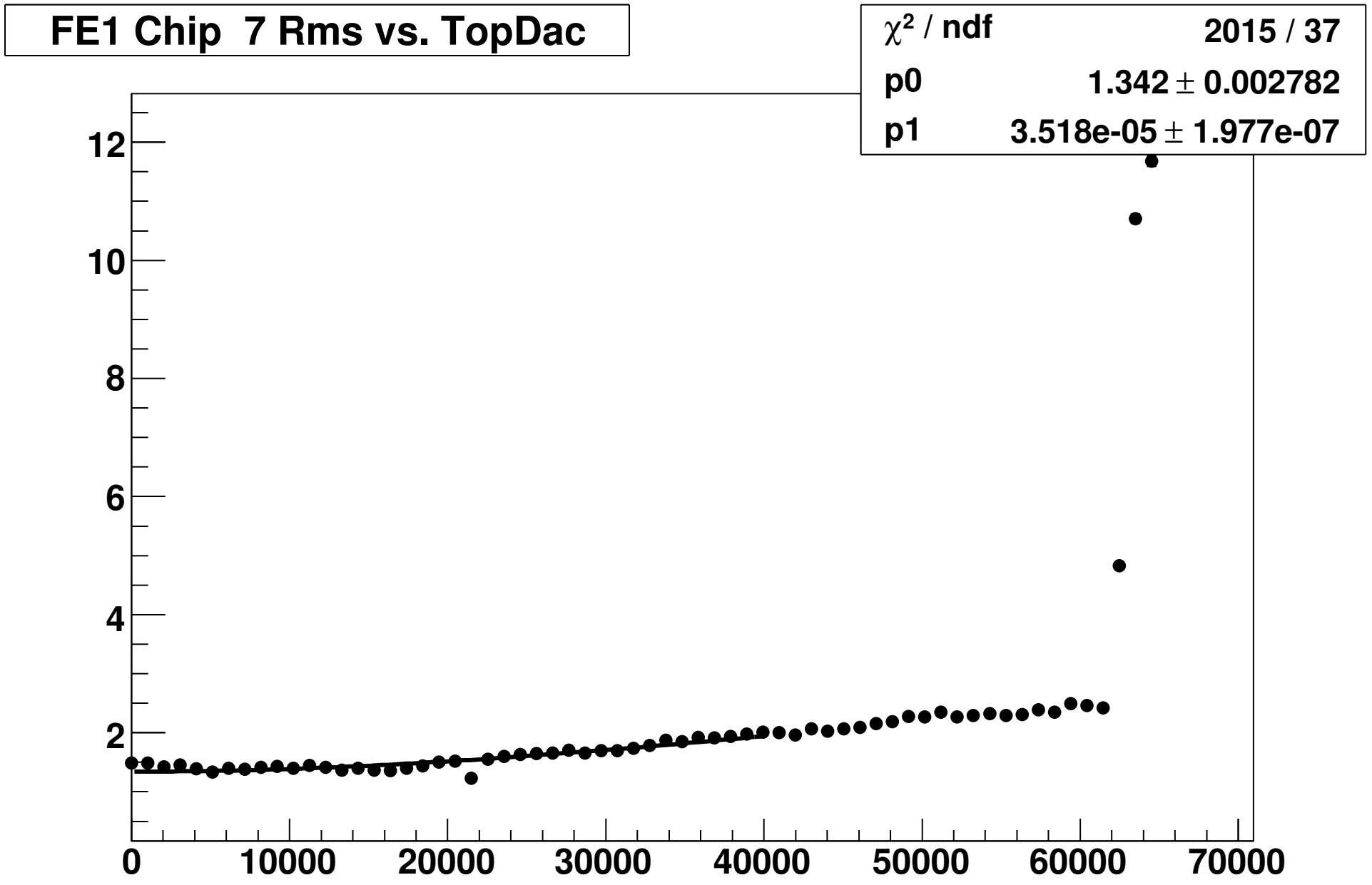

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 8.628e+04 / 37
p0 7.114 ± 0.005045
p1 0.4519 ± 2.386e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

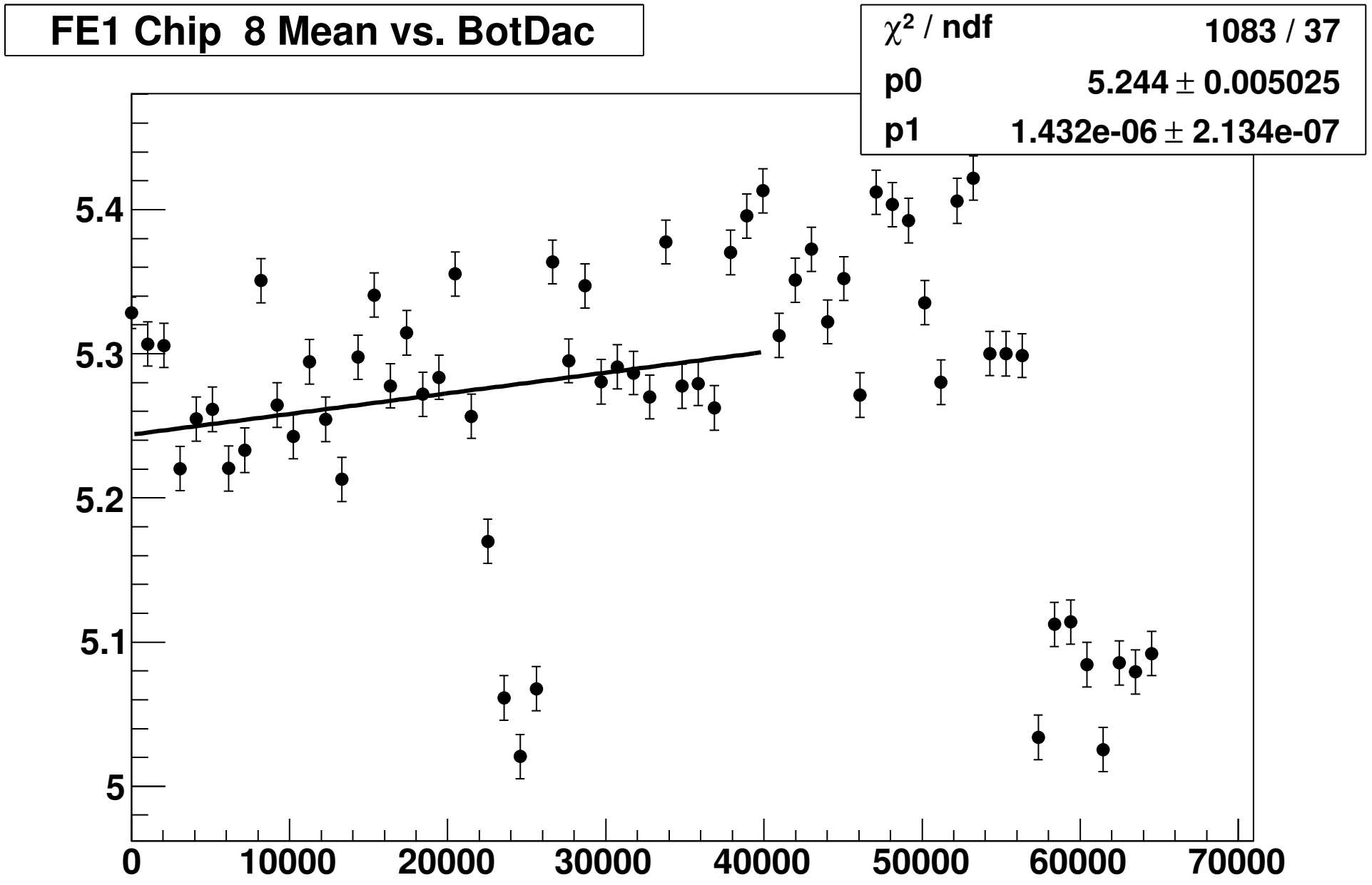

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 795.6 / 37
p0 1.342 ± 0.002773
p1 3.509e-05 ± 1.971e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

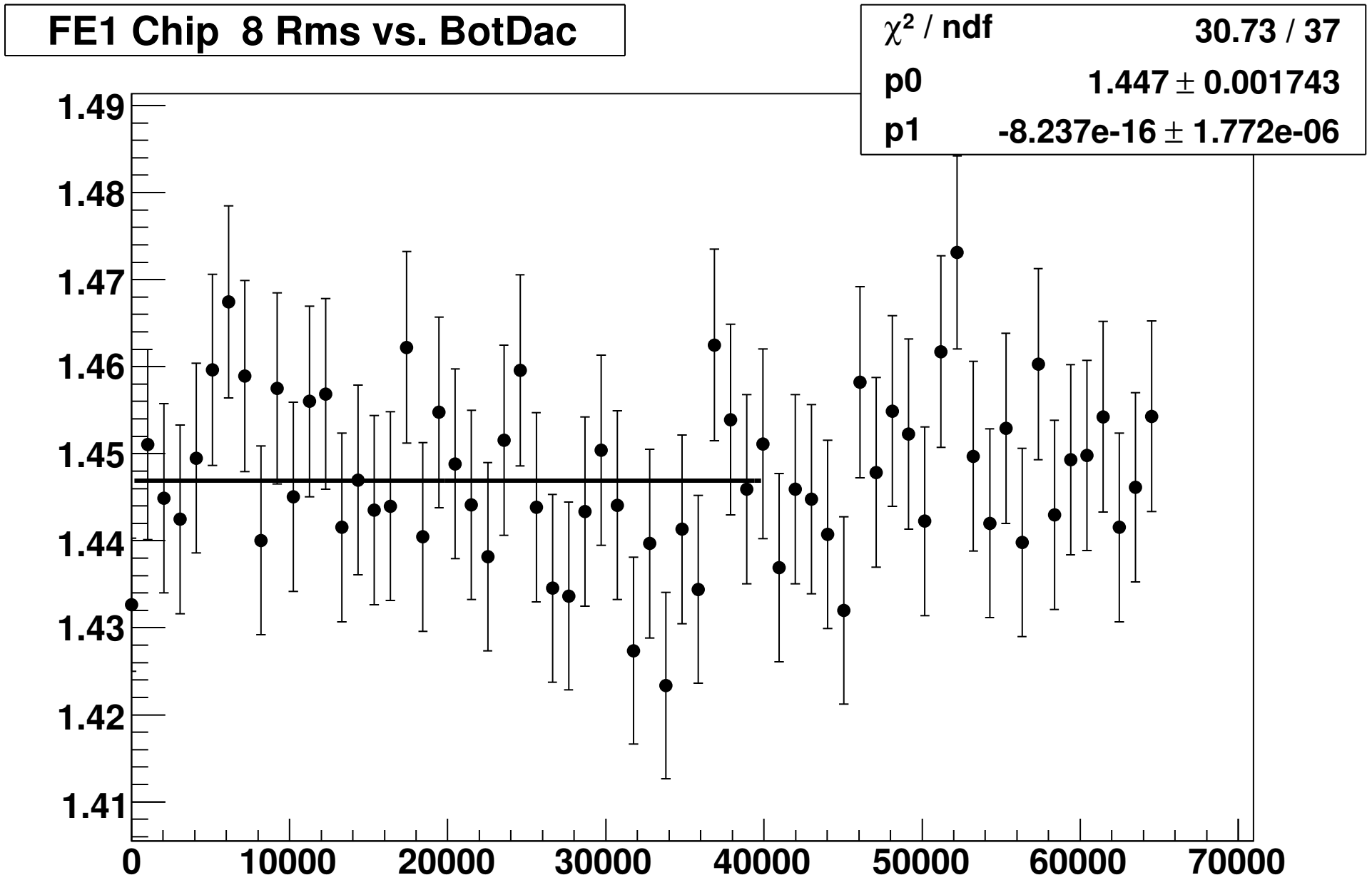

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1213 / 37
p0 13.18 ± 0.00517
p1 1.139e-06 ± 2.196e-07
13.4
13.3
13.2
13.1
13
12.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 31 / 37
p0 1.491 ± 0.001791
p1 3.881e-14 ± 1.671e-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


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 8.876e+04 / 37
p0 12.55 ± 0.005084
p1 0.4518 ± 2.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 2015 / 37
p0 1.342 ± 0.002782
p1 3.518e-05 ± 1.977e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 1083 / 37
p0 5.244 ± 0.005025
p1 1.432e-06 ± 2.134e-07
5.4
5.3
5.2
5.1
5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 30.73 / 37
p0 1.447 ± 0.001743
p1 -8.237e-16 ± 1.772e-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
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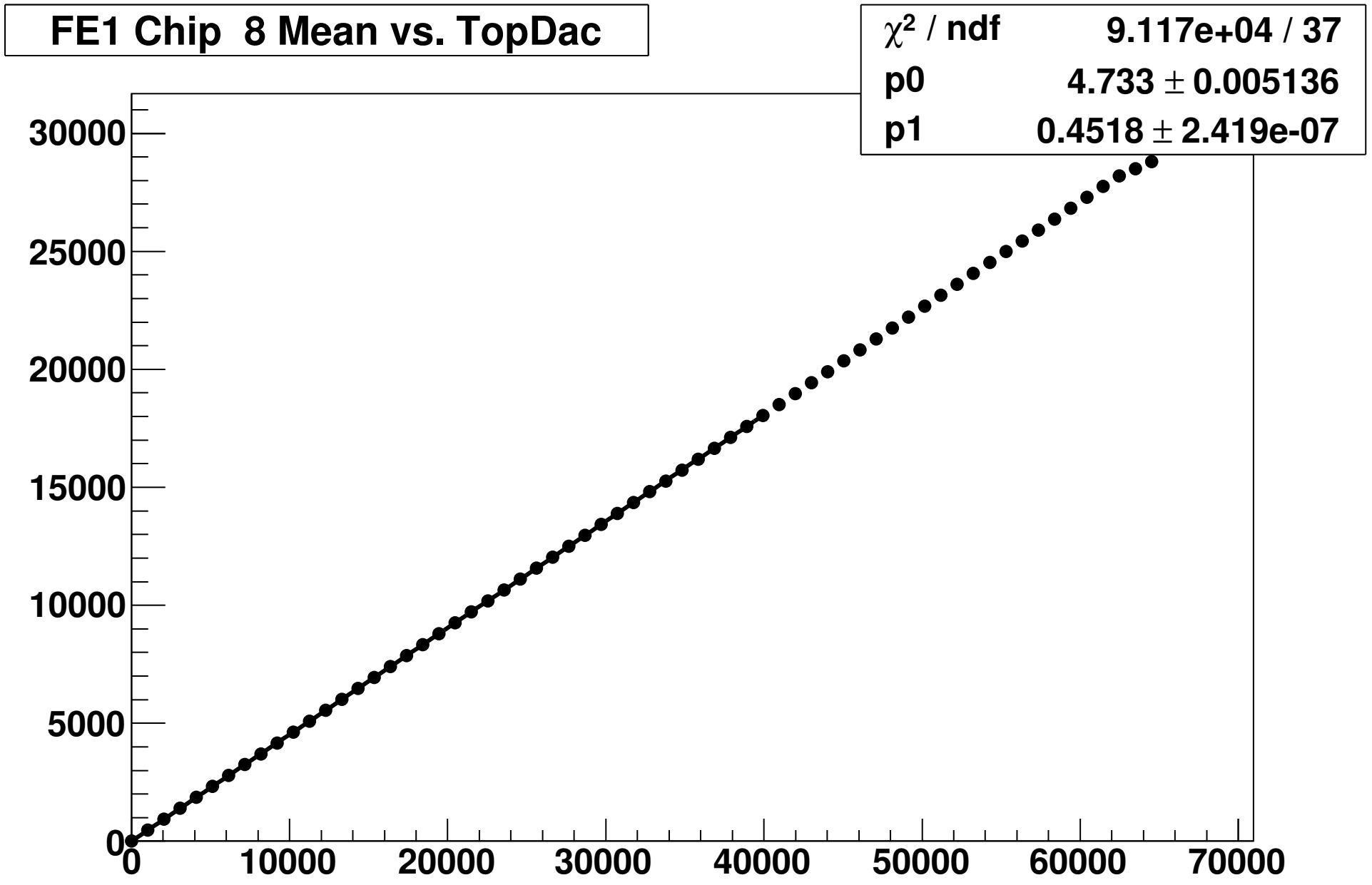
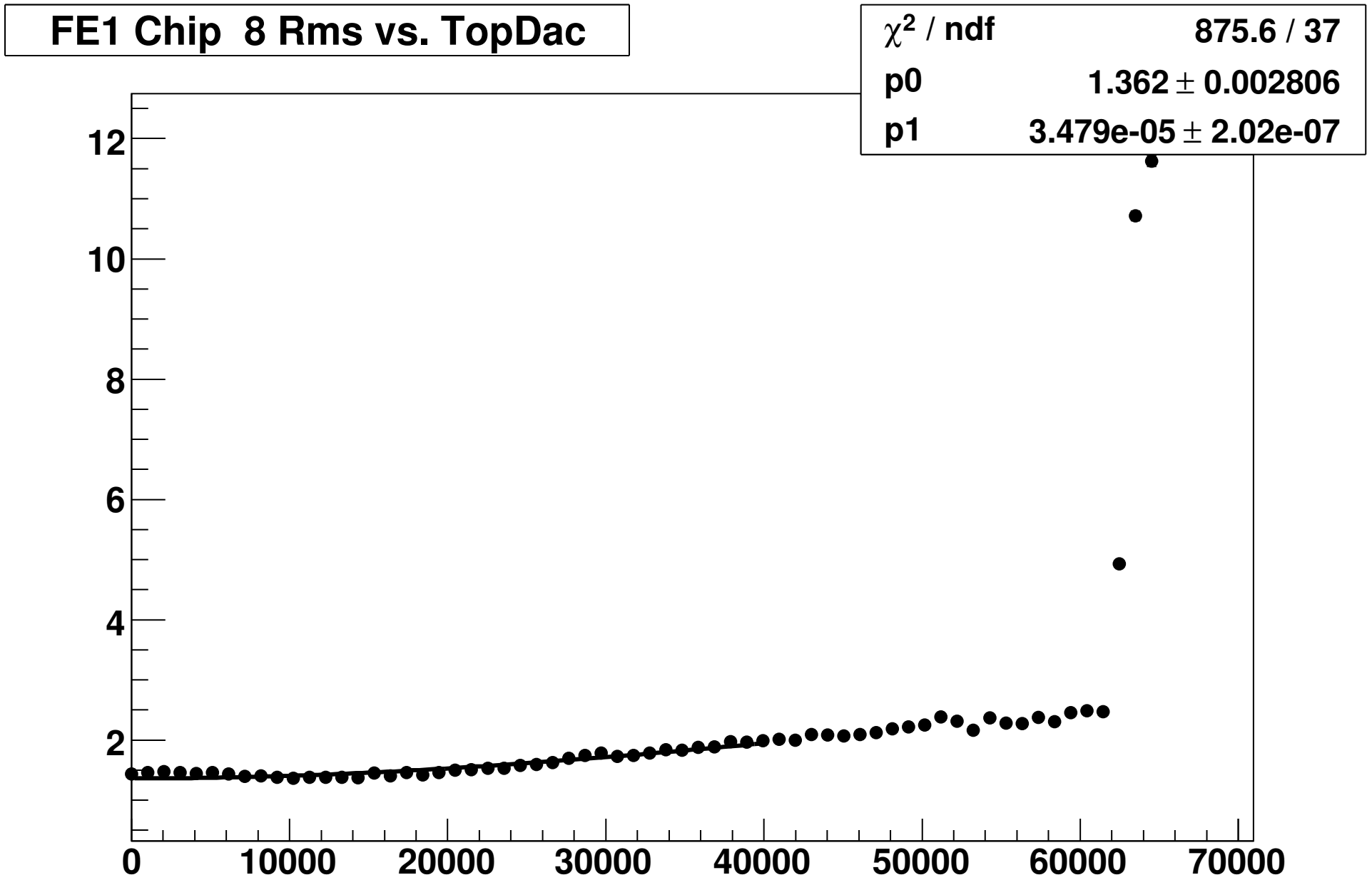
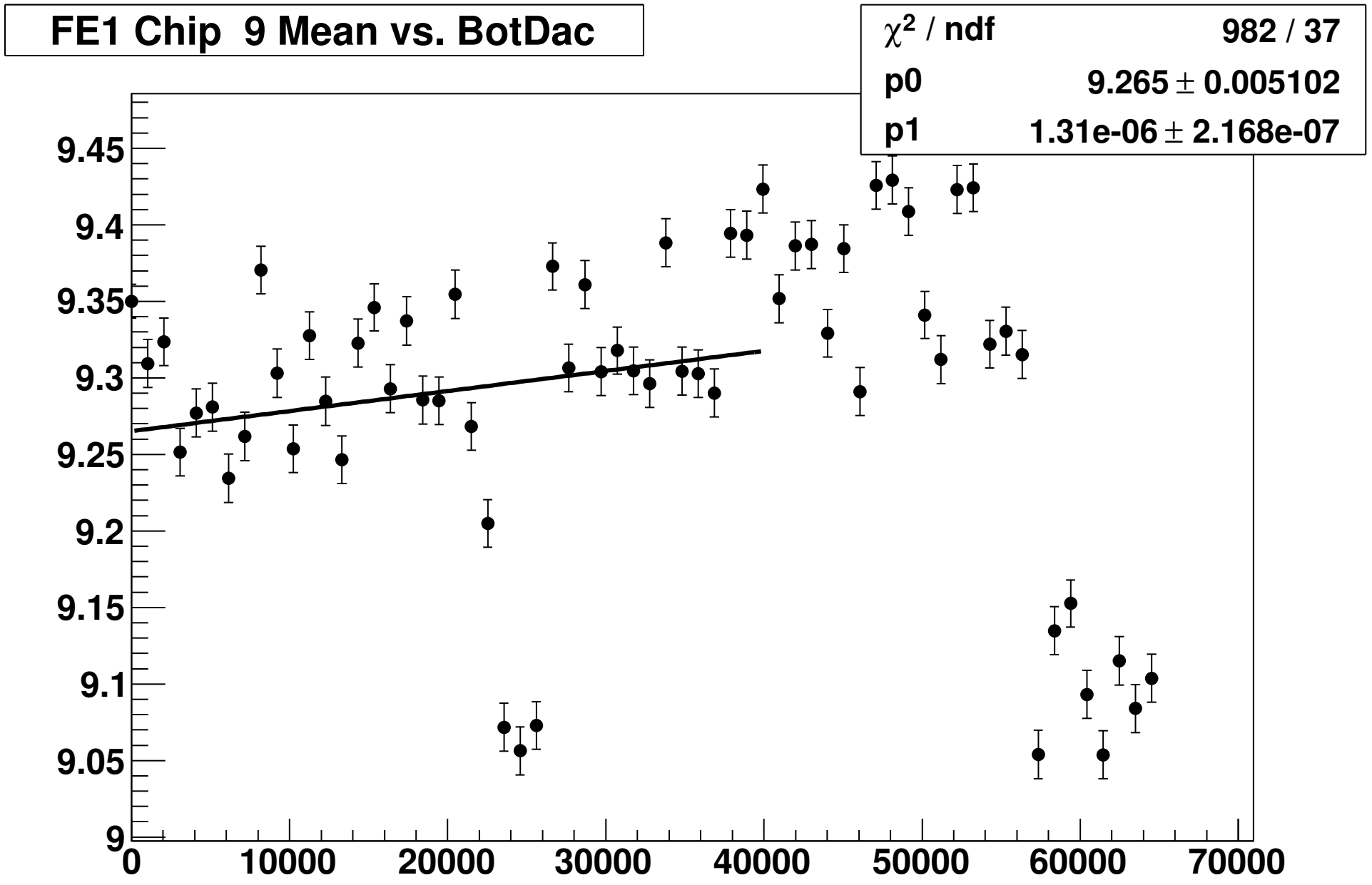
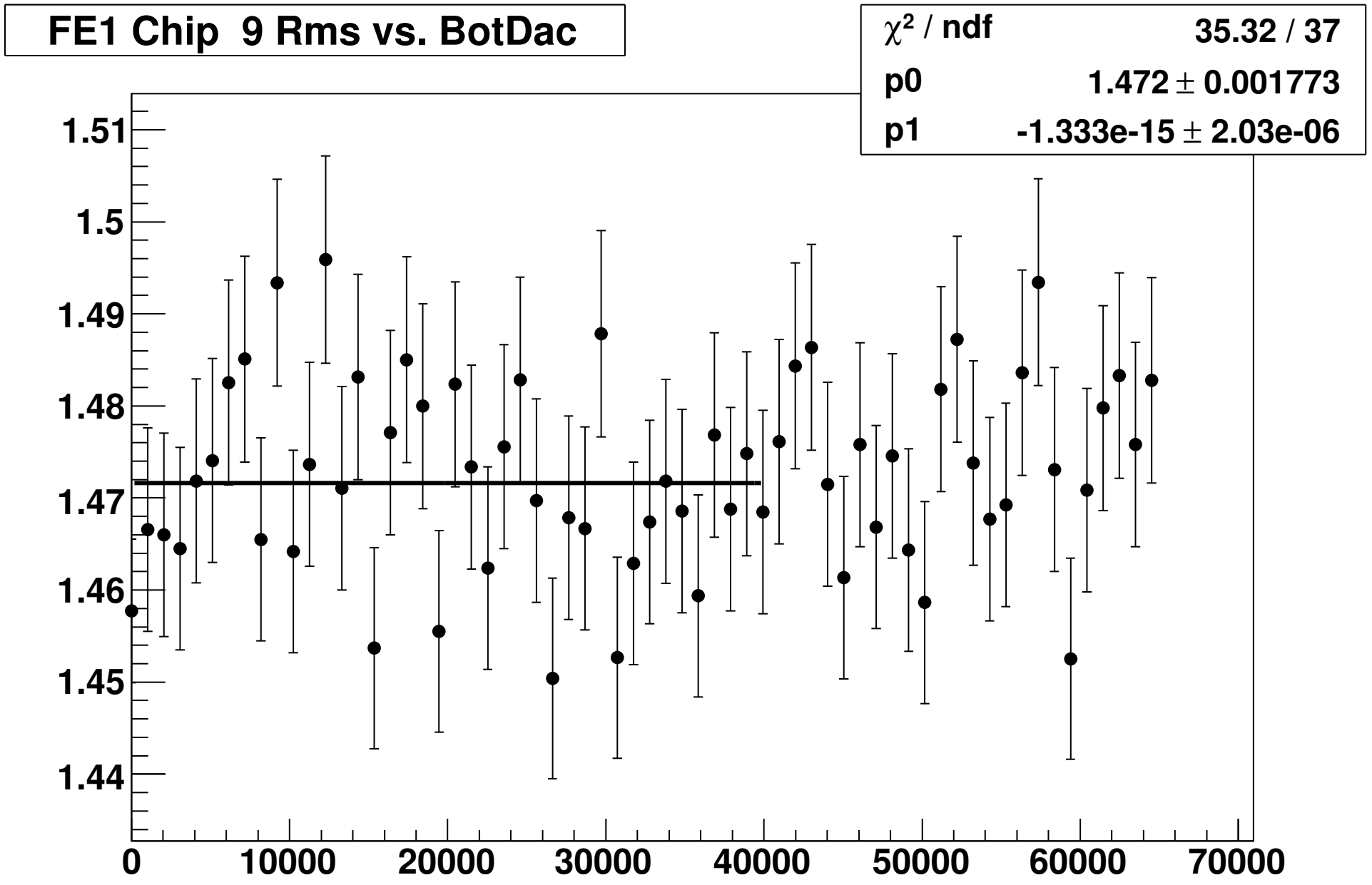
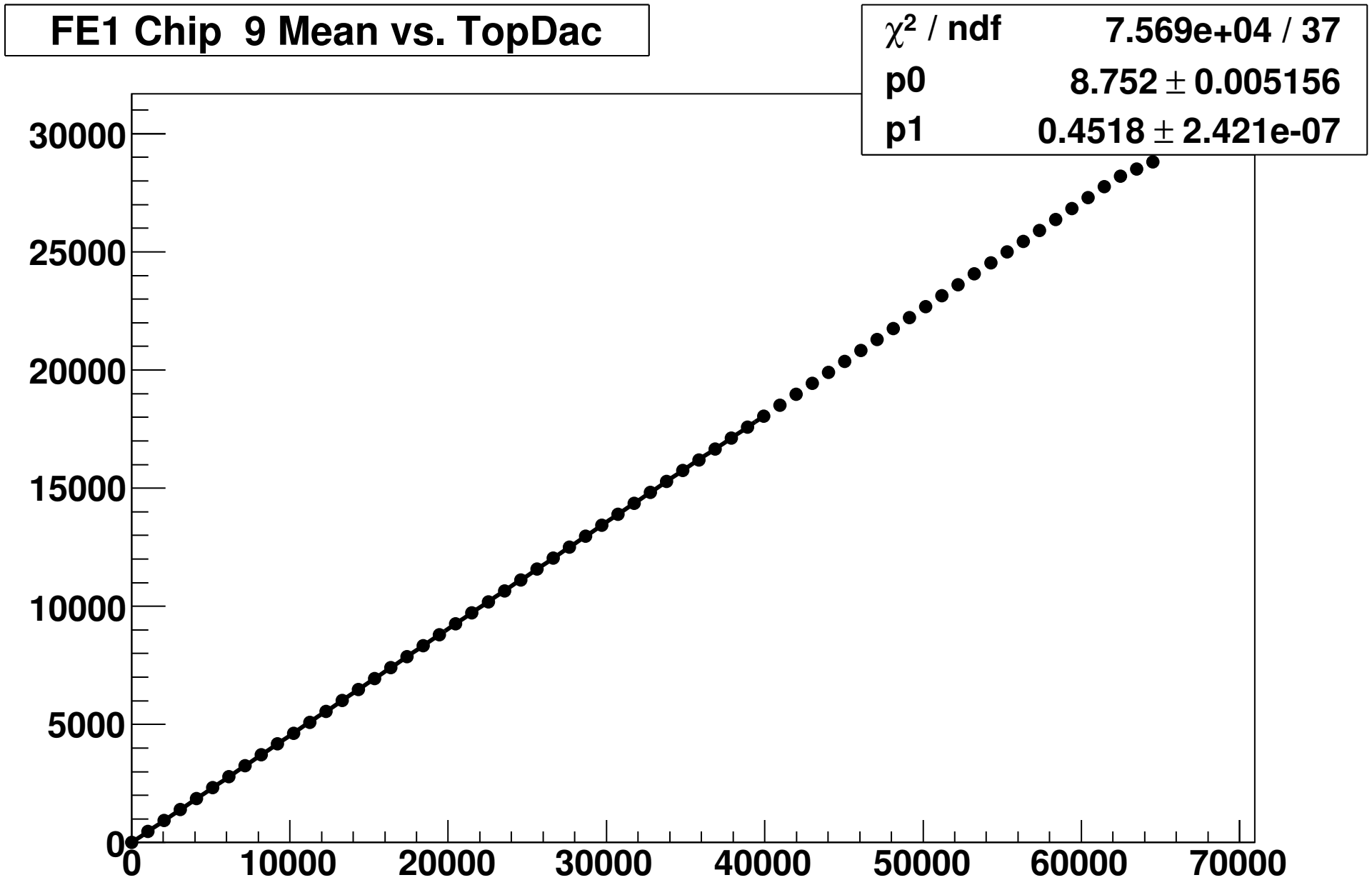

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 9.117e+04 / 37
p0 4.733 ± 0.005136
p1 0.4518 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 875.6 / 37
p0 1.362 ± 0.002806
p1 3.479e-05 ± 2.02e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 982 / 37
p0 9.265 ± 0.005102
p1 1.31e-06 ± 2.168e-07
9.45
9.4
9.35
9.3
9.25
9.2
9.15
9.1
9.05
9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 35.32 / 37
p0 1.472 ± 0.001773
p1 -1.333e-15 ± 2.03e-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


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 7.569e+04 / 37
p0 8.752 ± 0.005156
p1 0.4518 ± 2.421e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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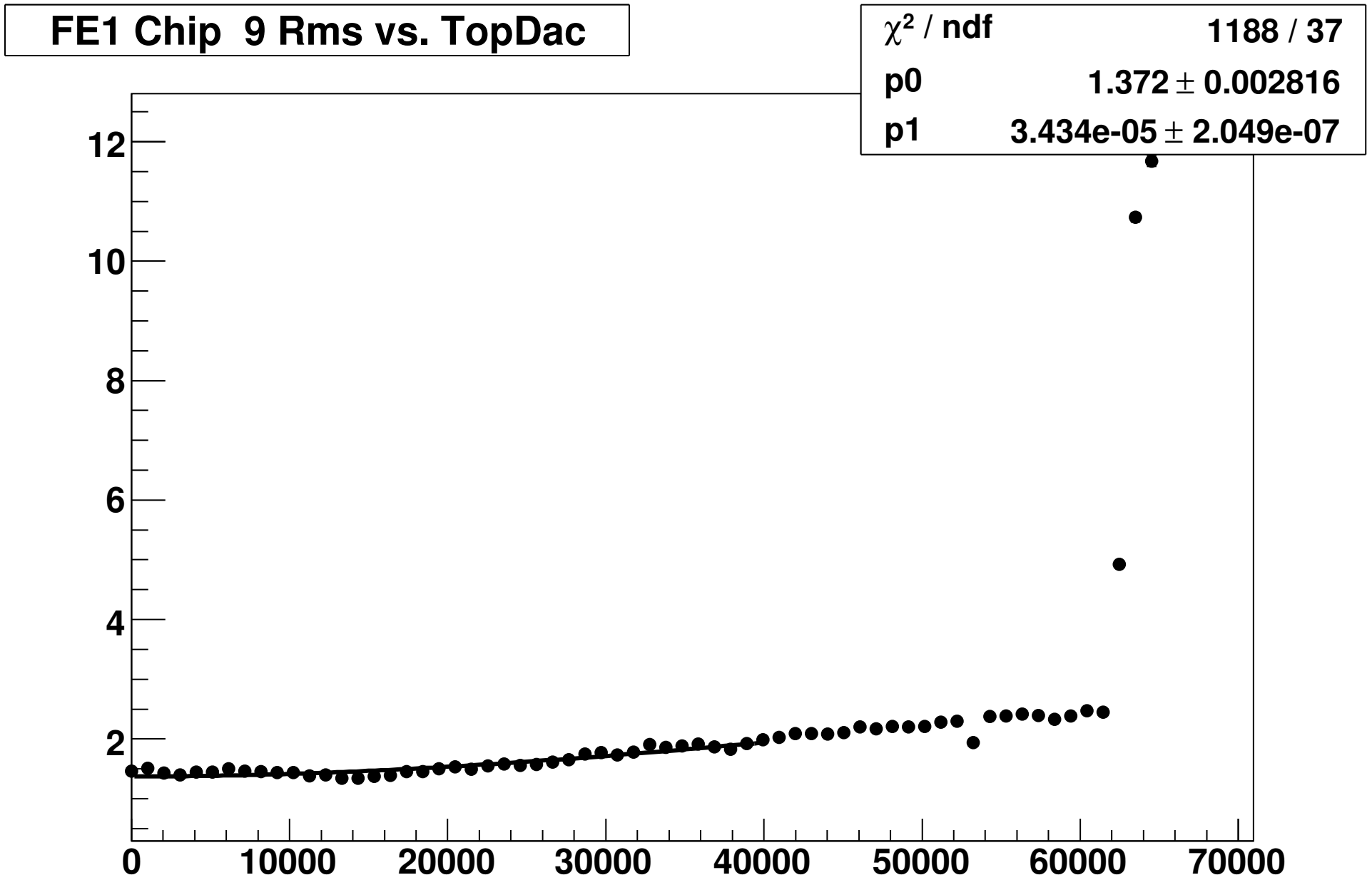
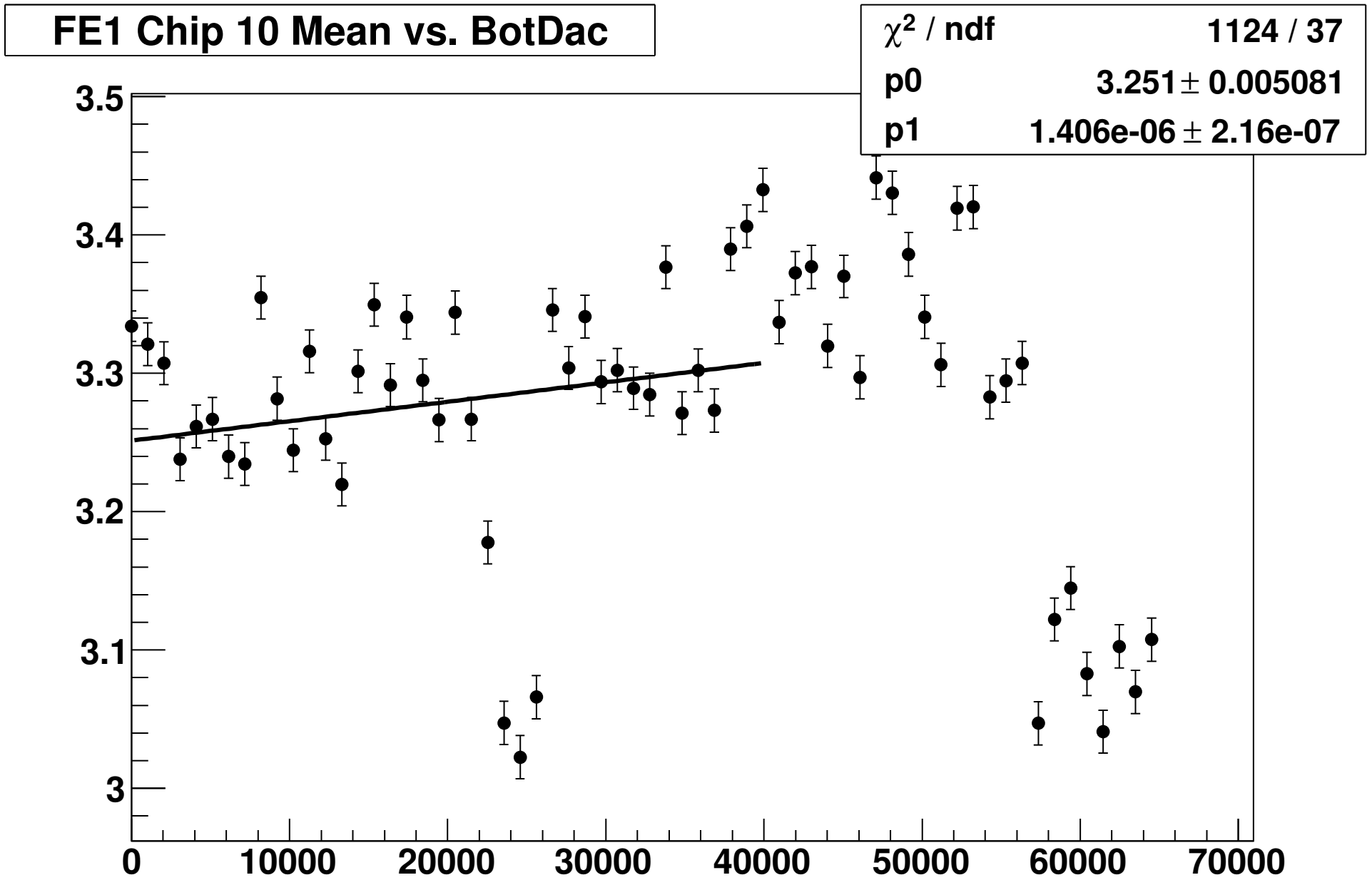
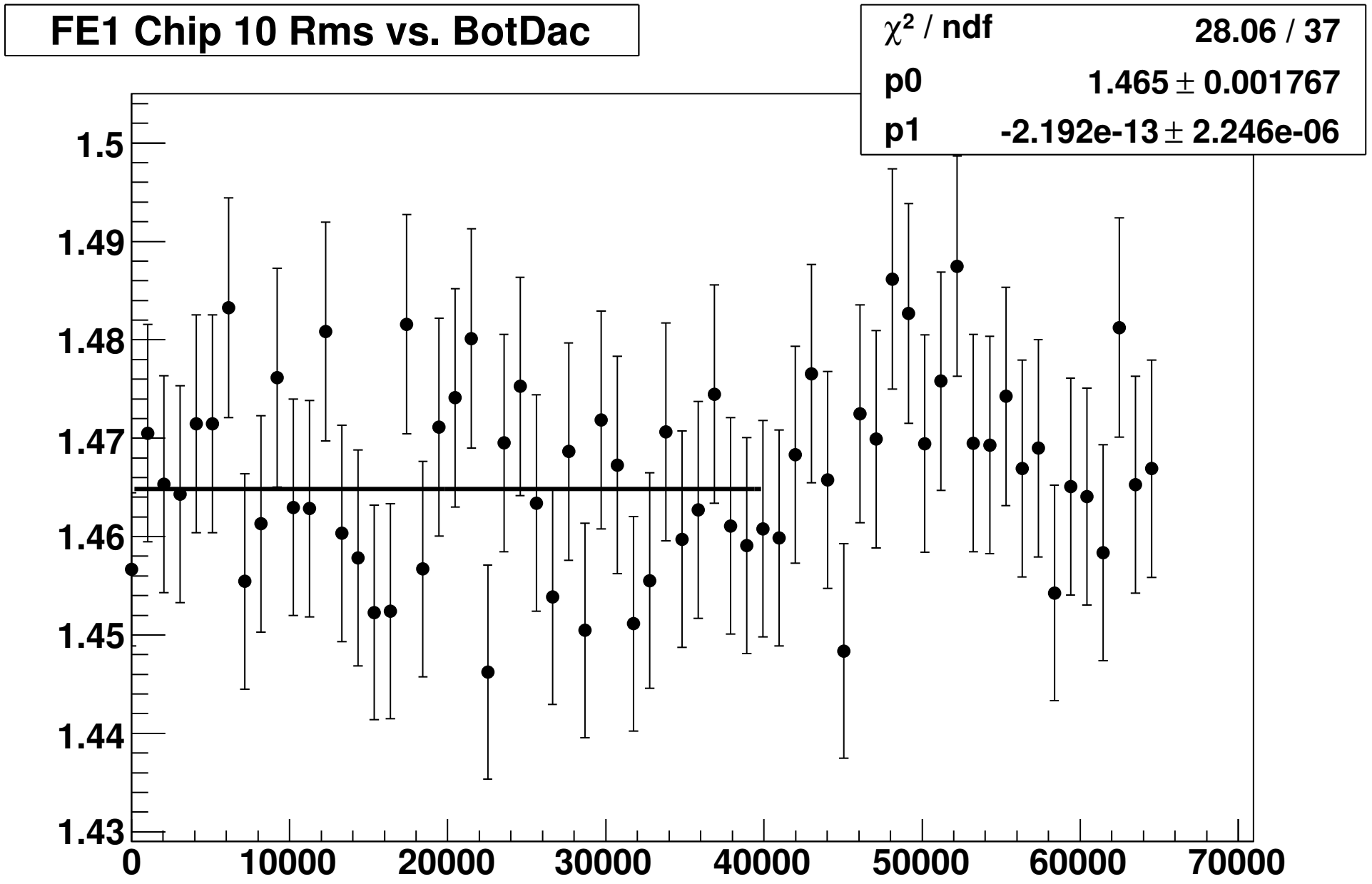
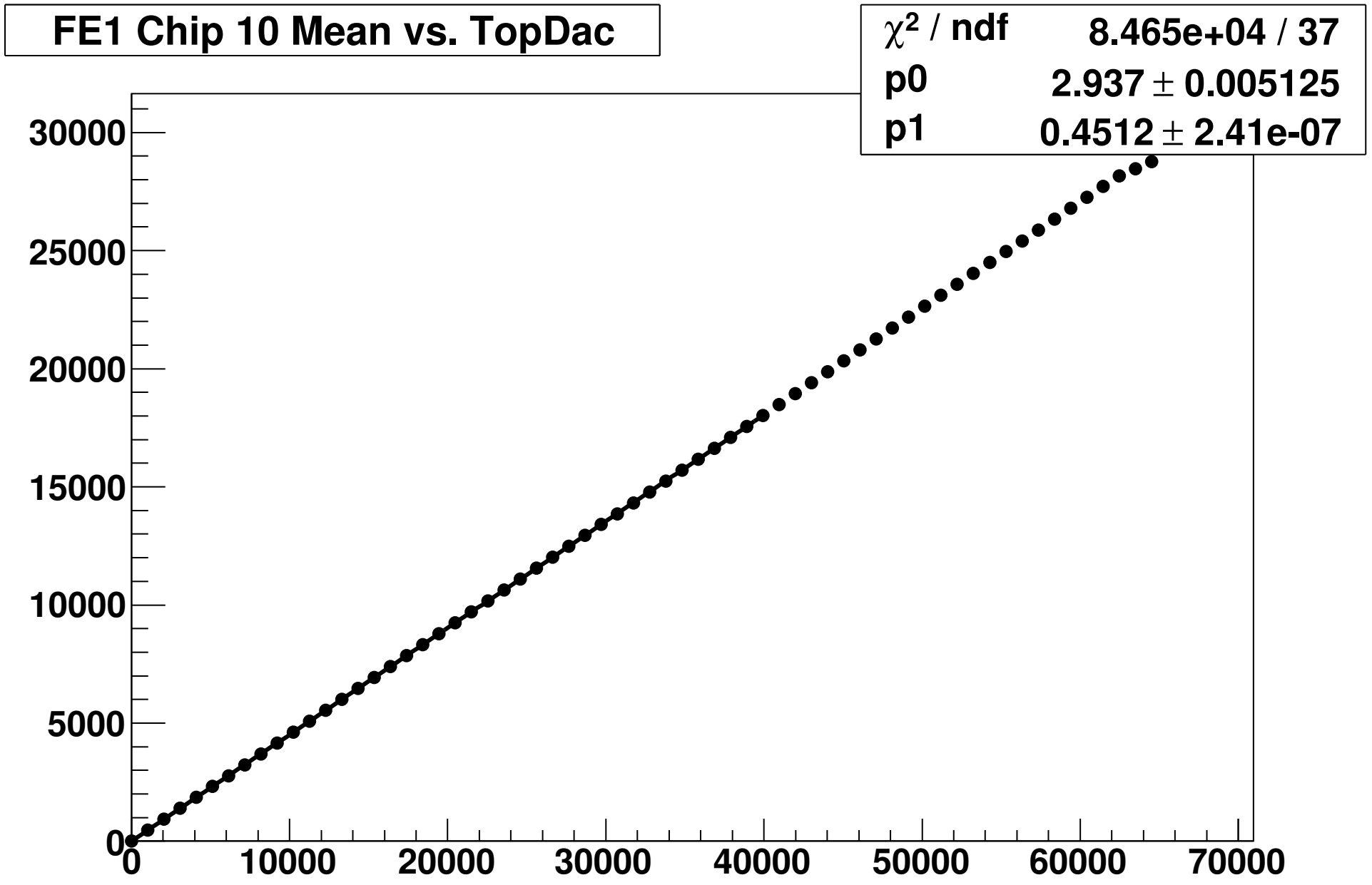
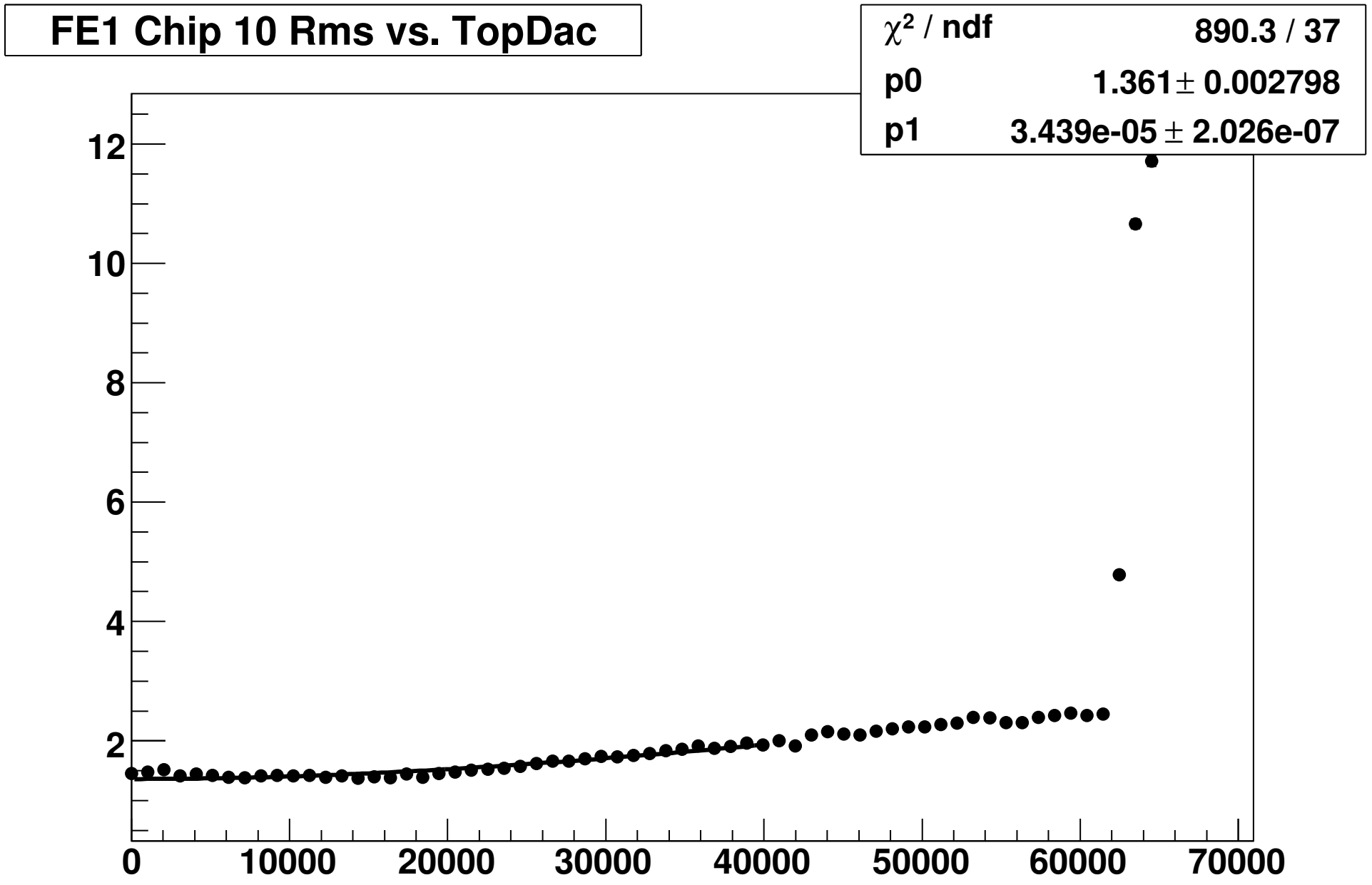
60000
70000

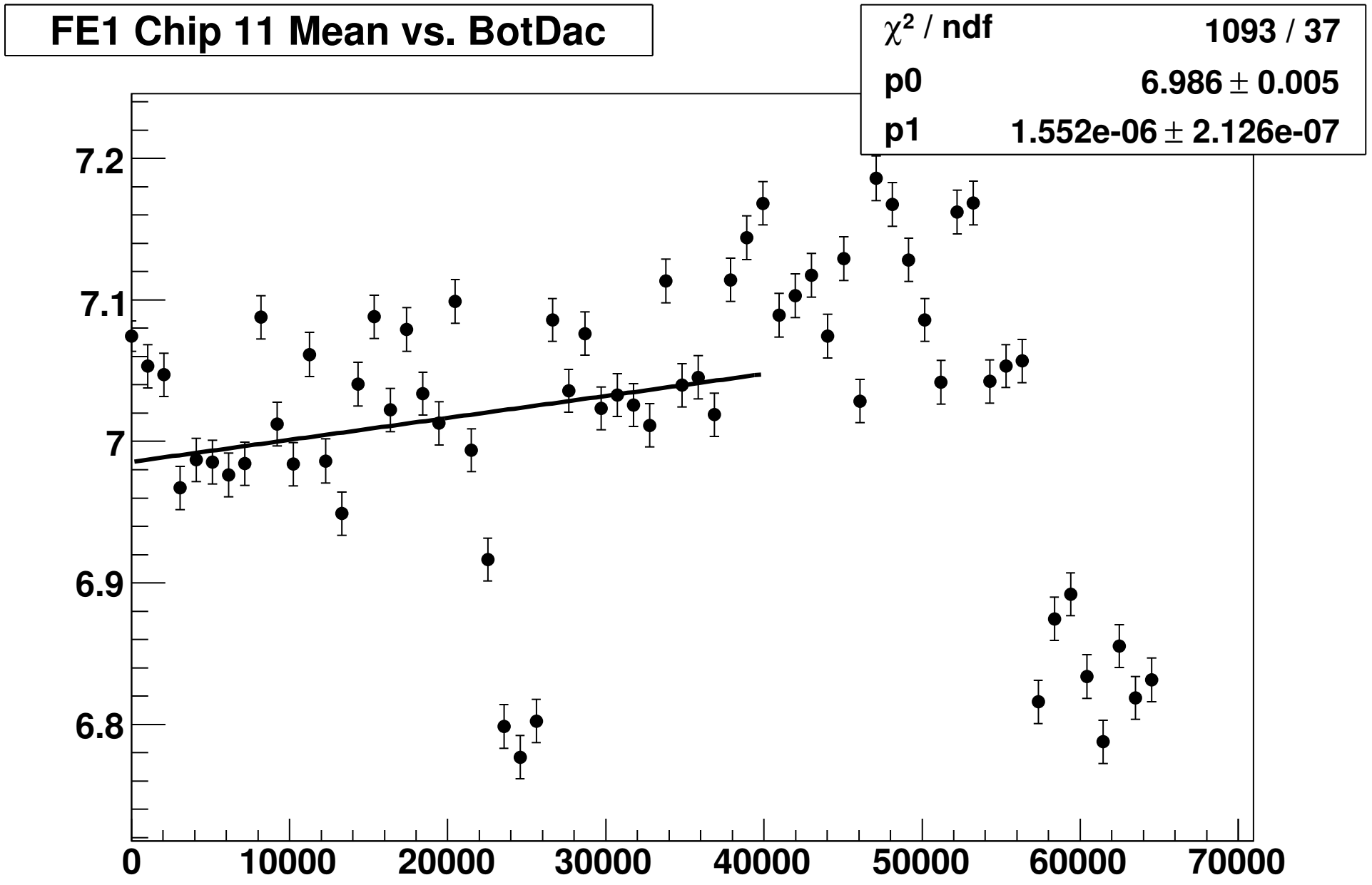

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1188 / 37
p0 1.372 ± 0.002816
p1 3.434e-05 ± 2.049e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

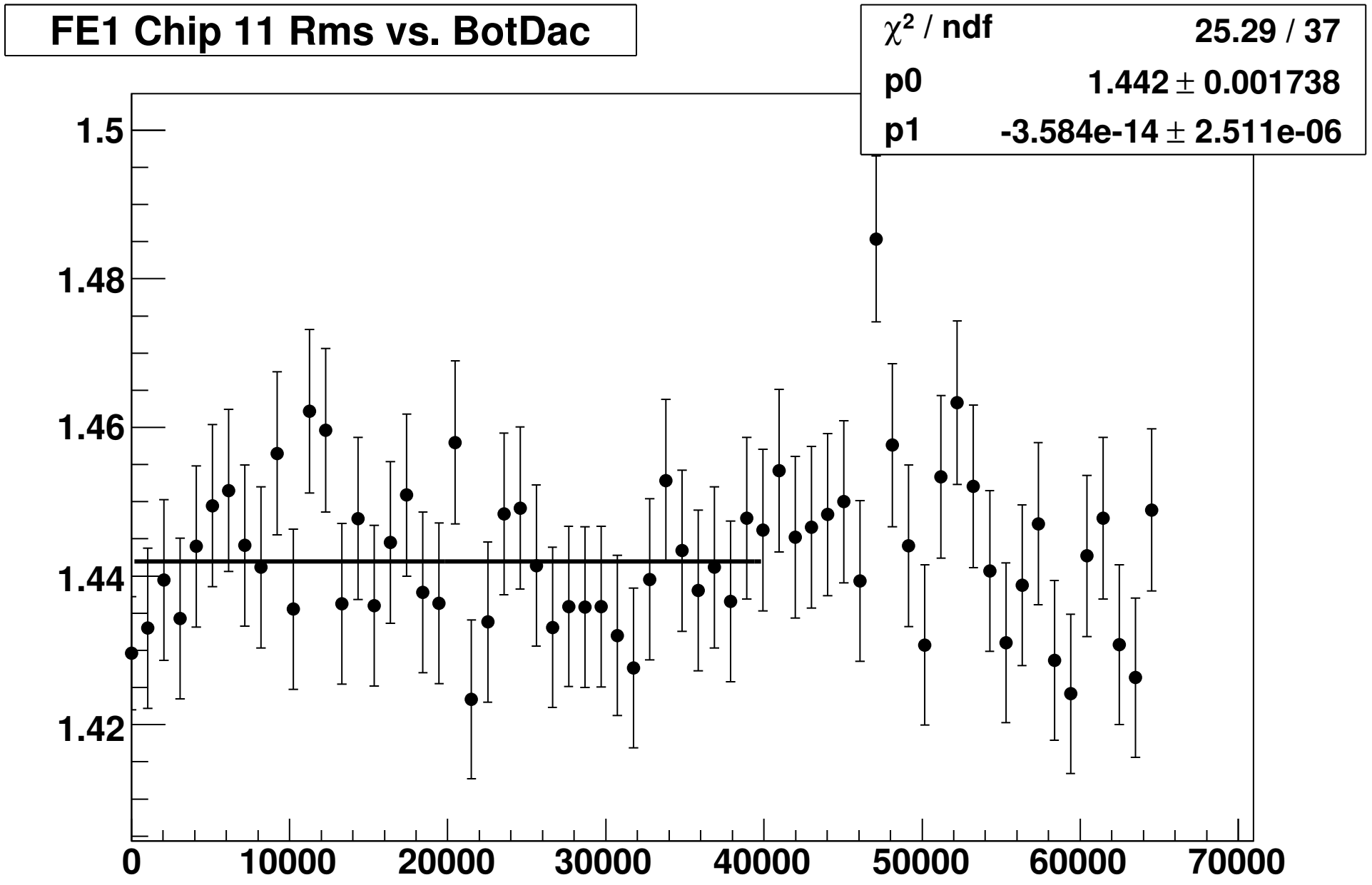

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 1124 / 37
p0 3.251 ± 0.005081
p1 1.406e-06 ± 2.16e-07
3.5
3.4
3.3
3.2
3.1
3
0
10000
20000
30000
40000
50000
60000
70000

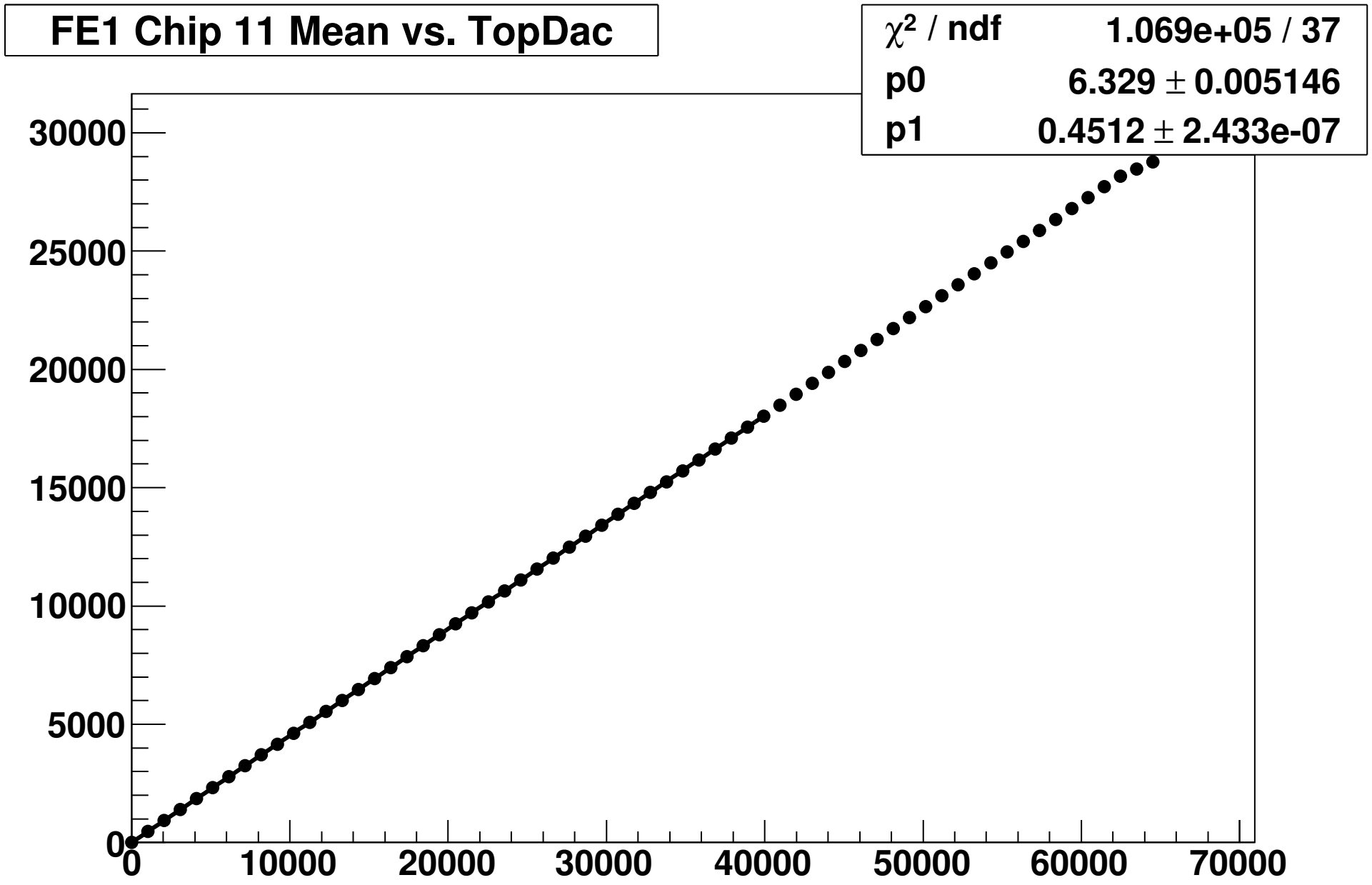

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 28.06 / 37
p0 1.465 ± 0.001767
p1 -2.192e-13 ± 2.246e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

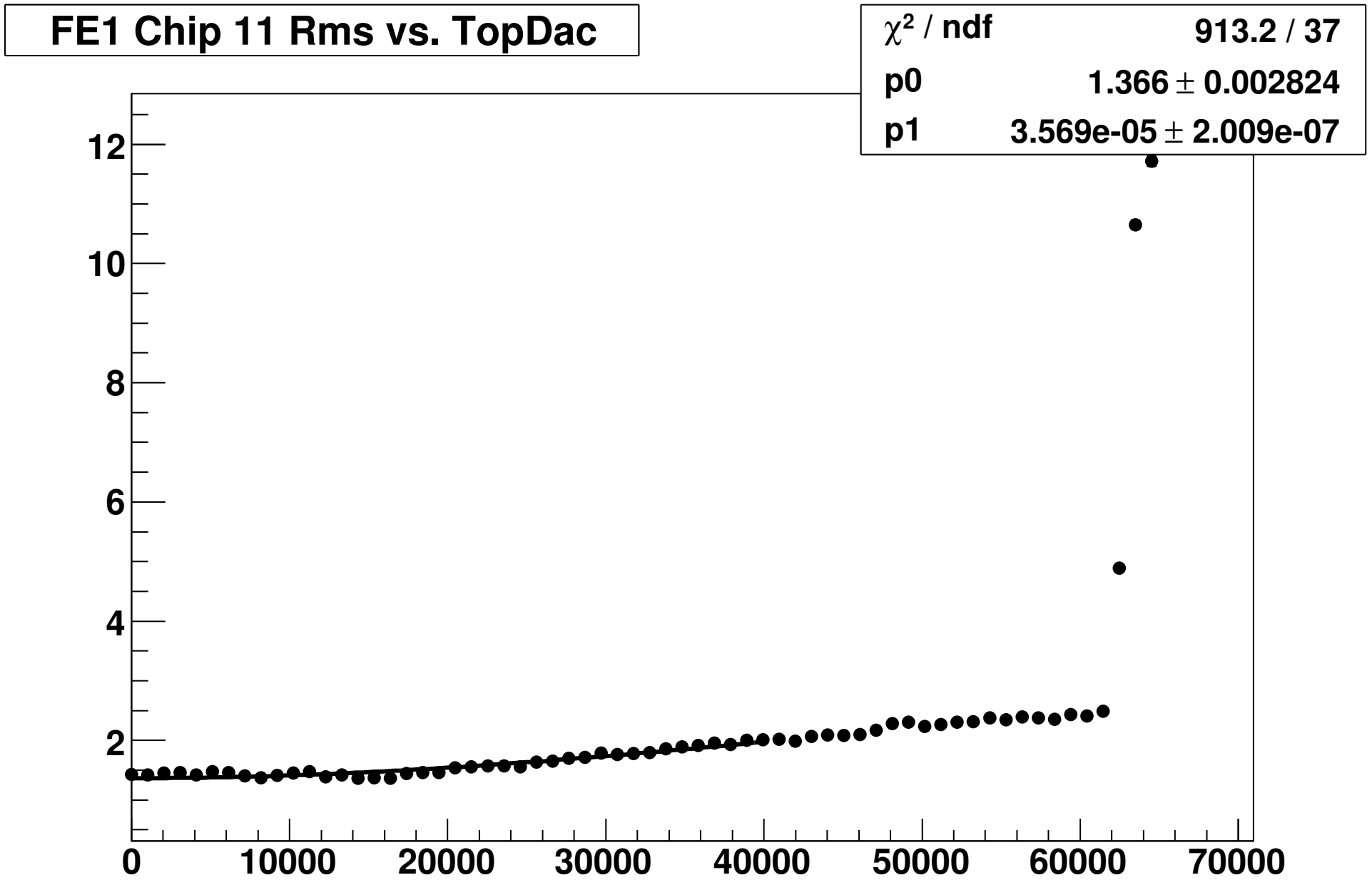

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.465e+04 / 37
p0 2.937 ± 0.005125
p1 0.4512 ± 2.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

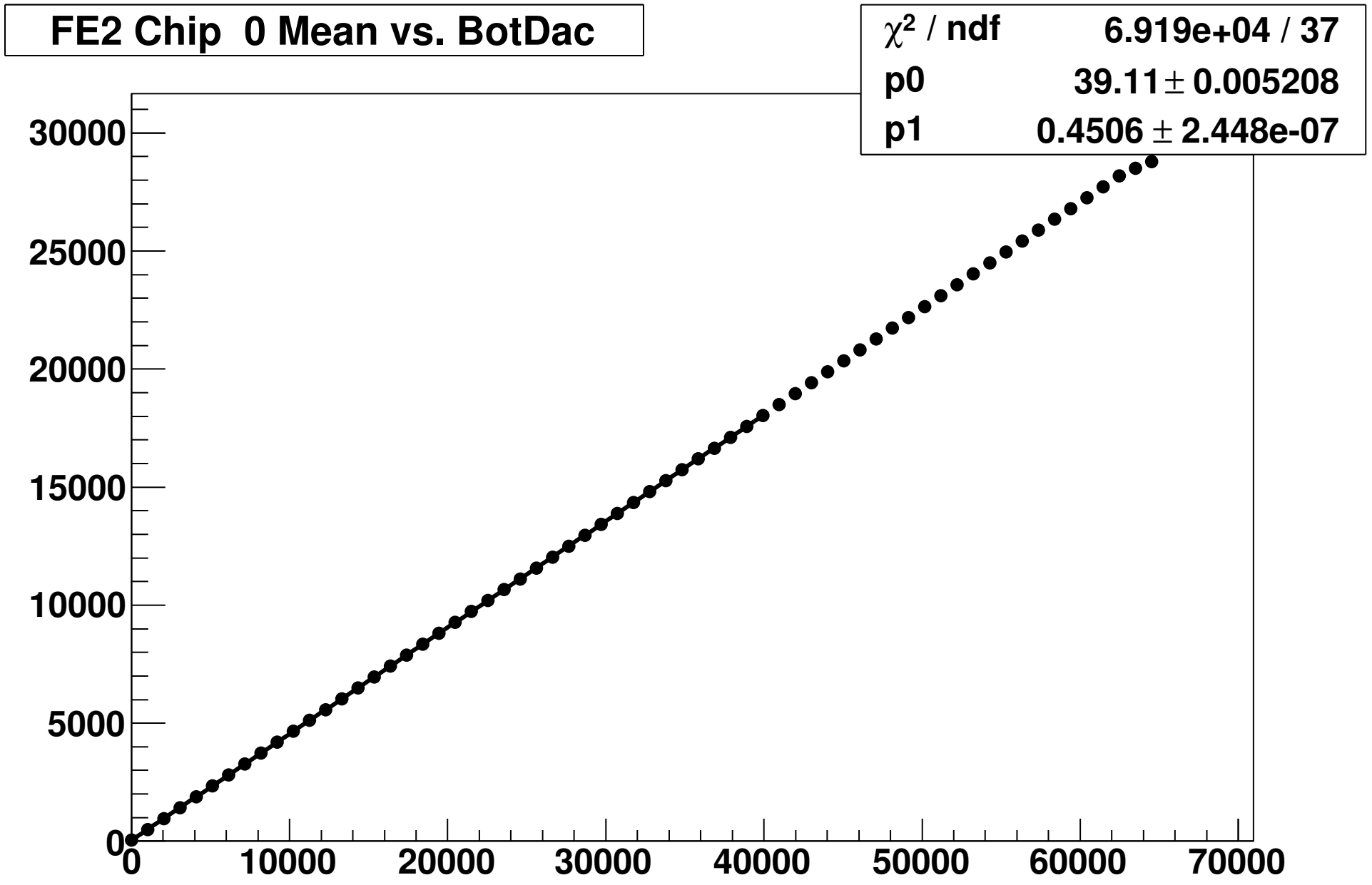

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 890.3 / 37
p0 1.361 ± 0.002798
p1 3.439e-05 ± 2.026e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

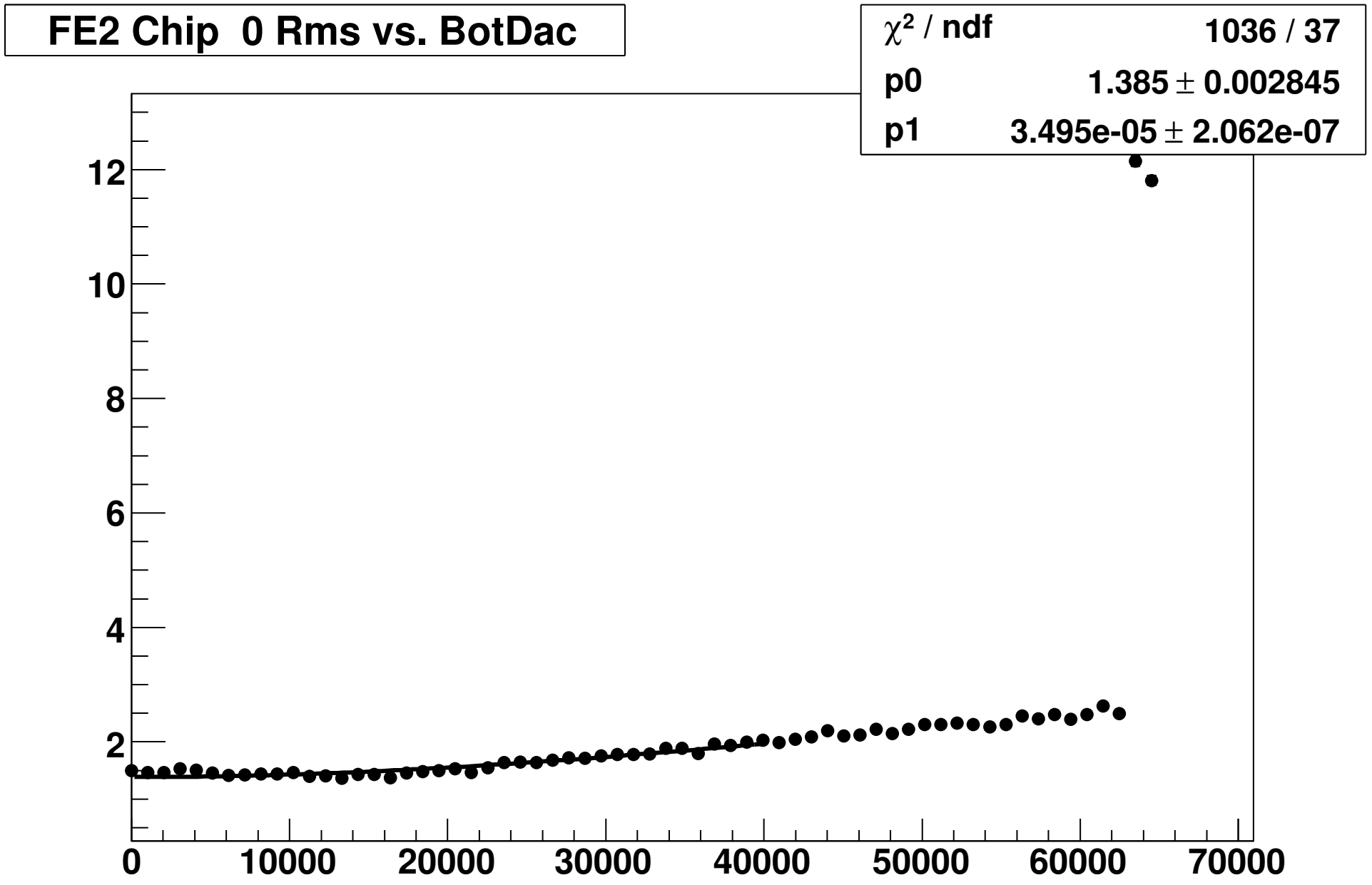

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1093 / 37
p0 6.986 ± 0.005
p1 1.552e-06 ± 2.126e-07
7.2
7.1
7
6.9
6.8
0
10000
20000
30000
40000
50000
60000
70000

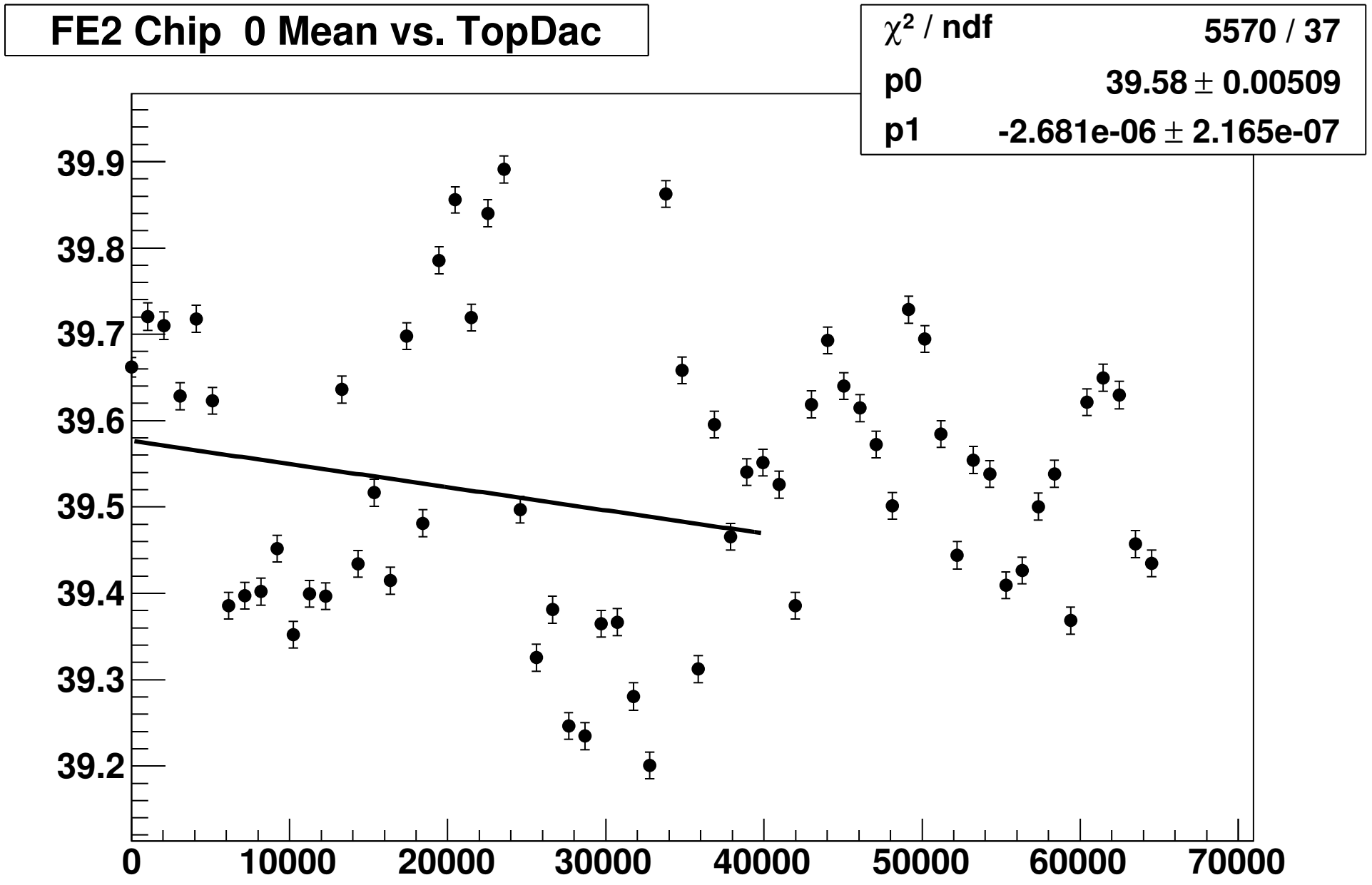

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 25.29 / 37
p0 1.442 ± 0.001738
p1 -3.584e-14 ± 2.511e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

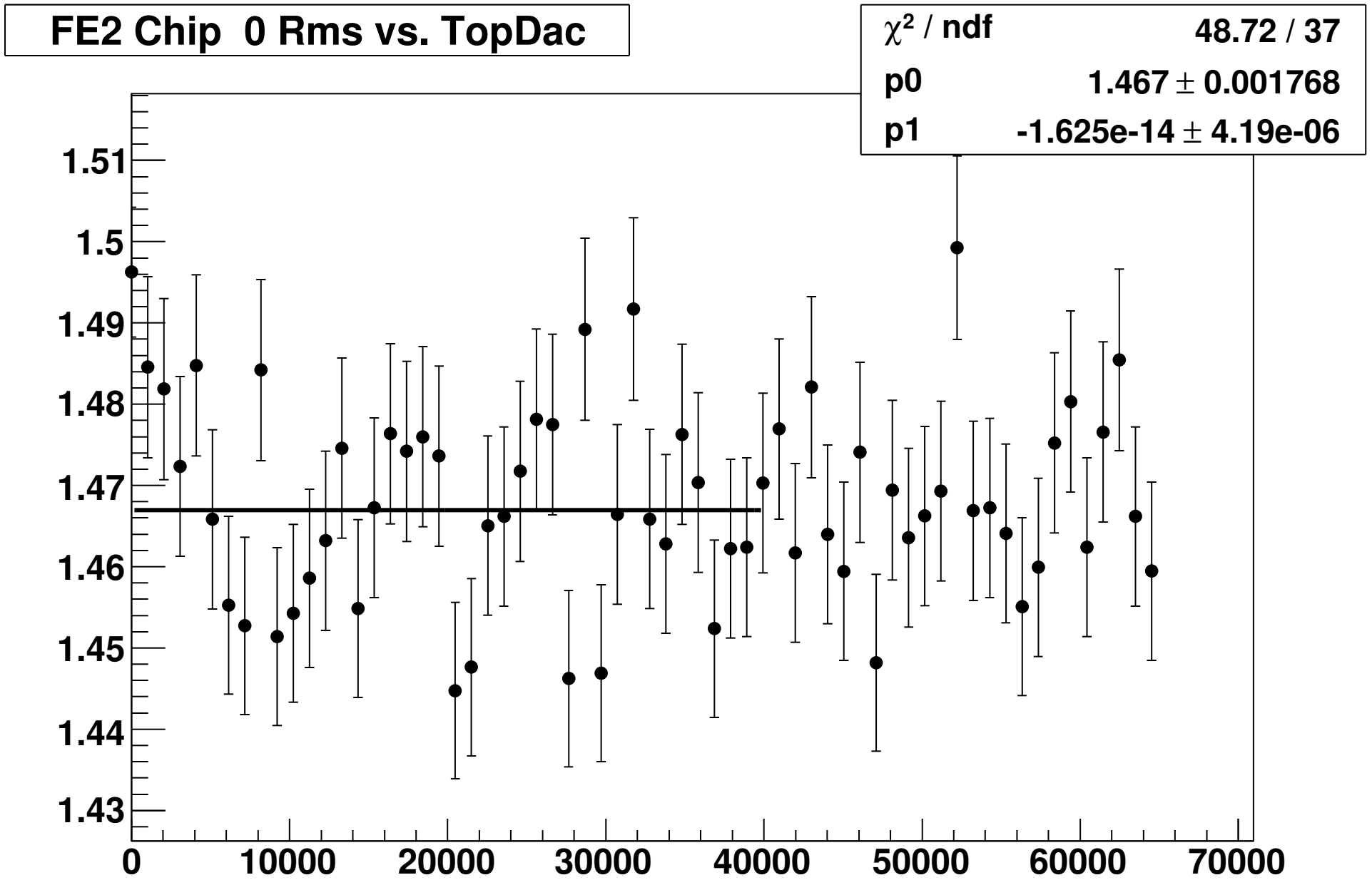

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.069e+05 / 37
p0 6.329 ± 0.005146
p1 0.4512 ± 2.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 913.2 / 37
p0 1.366 ± 0.002824
p1 3.569e-05 ± 2.009e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 6.919e+04 / 37
p0 39.11 ± 0.005208
p1 0.4506 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 1036 / 37
p0 1.385 ± 0.002845
p1 3.495e-05 ± 2.062e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 5570 / 37
p0 39.58 ± 0.00509
p1 -2.681e-06 ± 2.165e-07
39.9
39.8
39.7
39.6
39.5
39.4
39.3
39.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 48.72 / 37
p0 1.467 ± 0.001768
p1 -1.625e-14 ± 4.19e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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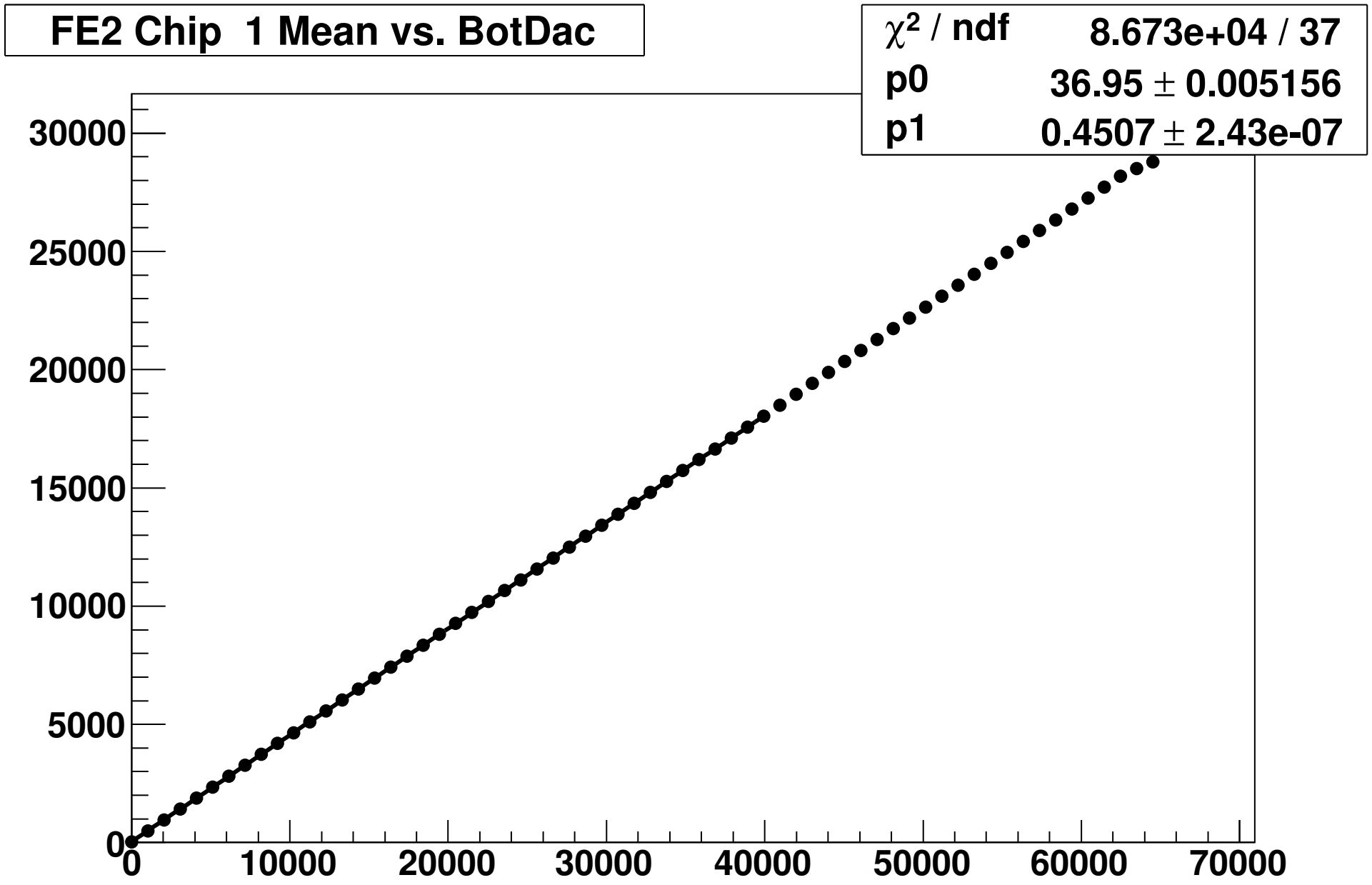
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 8.673e+04 / 37
p0 36.95 ± 0.005156
p1 0.4507 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
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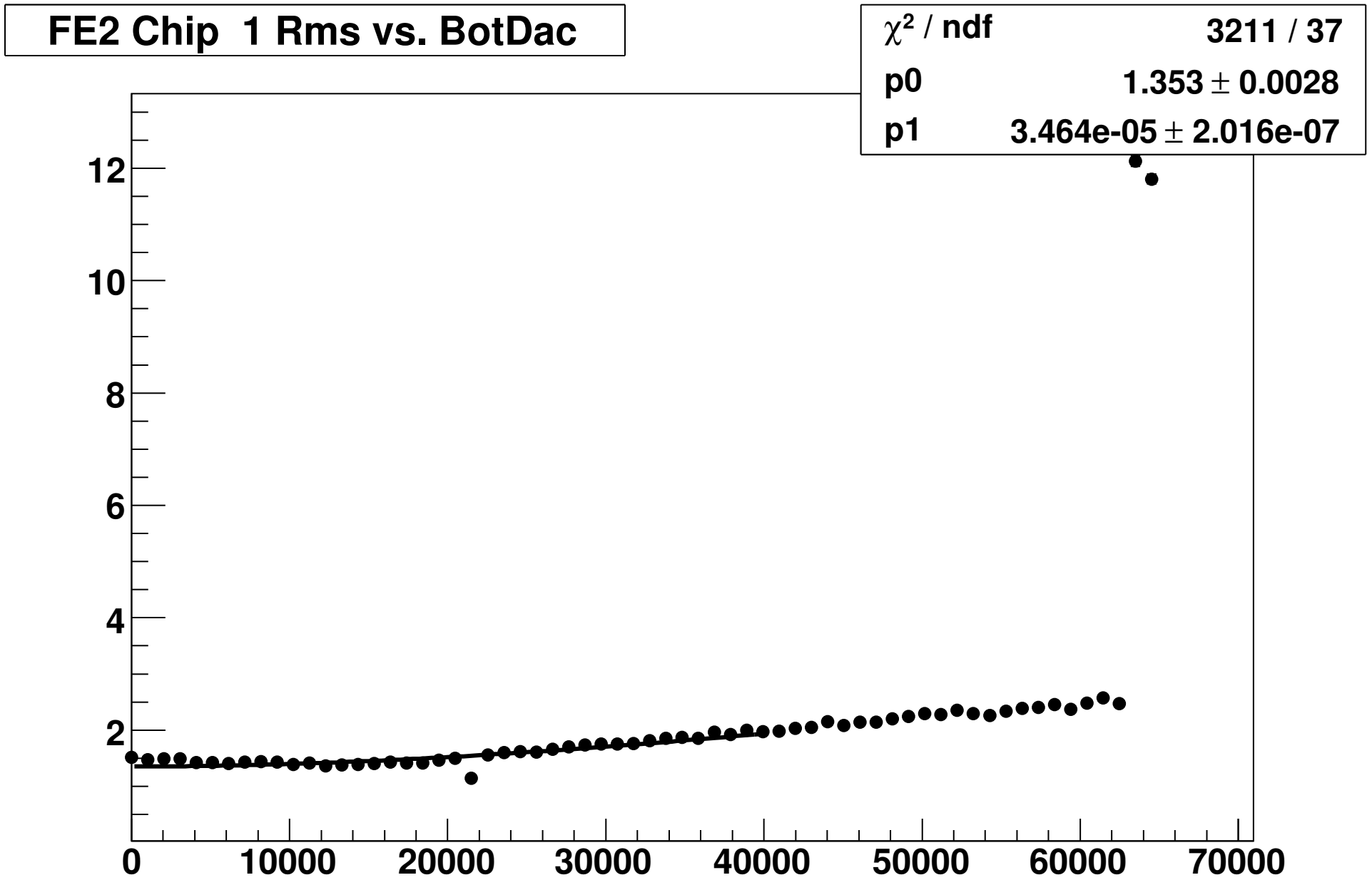
FE2 Chip 1 Rms vs. BotDac
χ² / ndf 3211 / 37
p0 1.353 ± 0.0028
p1 3.464e-05 ± 2.016e-07
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10
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6
4
2
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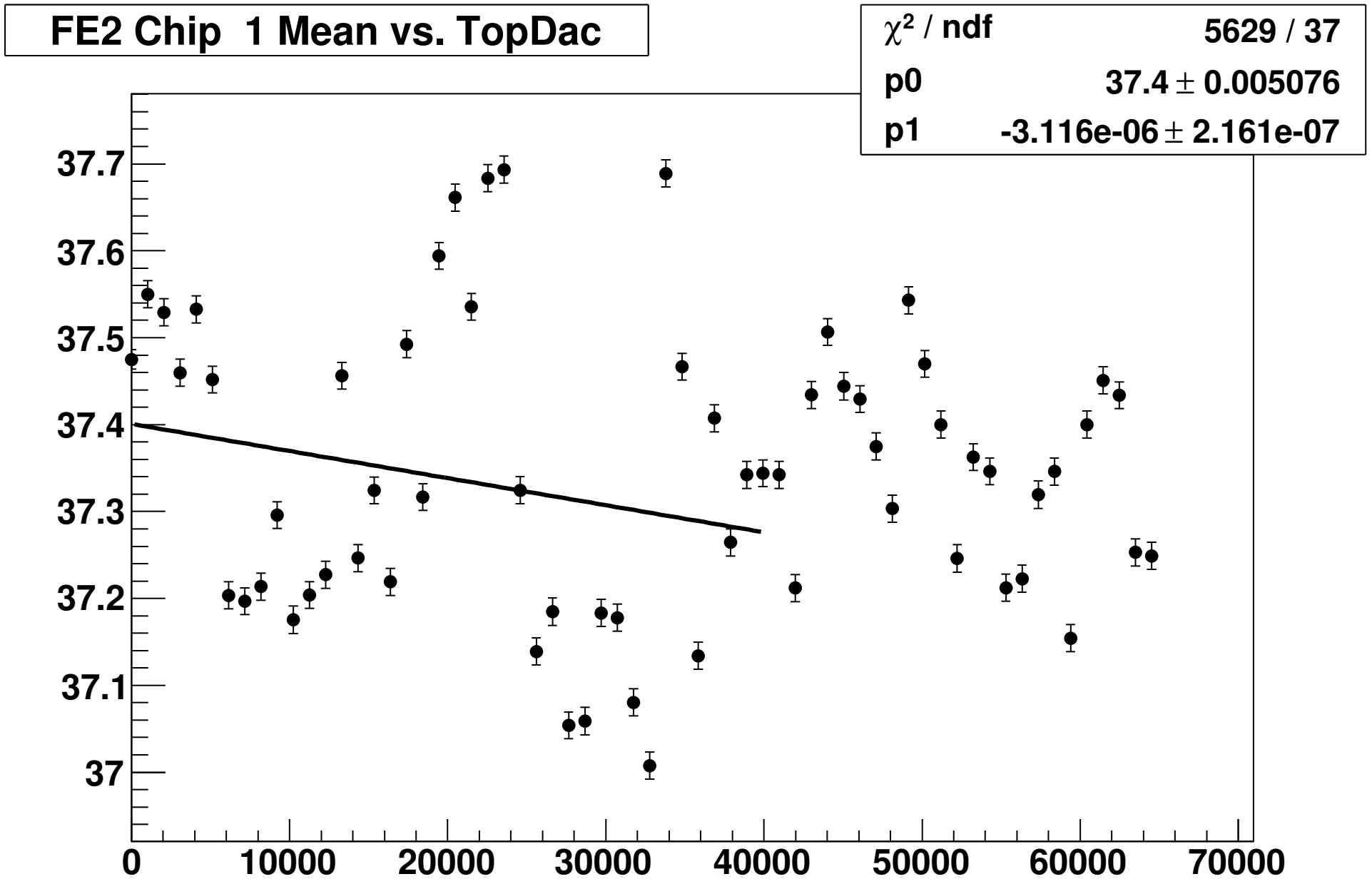
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 5629 / 37
p0 37.4 ± 0.005076
p1 -3.116e-06 ± 2.161e-07
37.7
37.6
37.5
37.4
37.3
37.2
37.1
37
0
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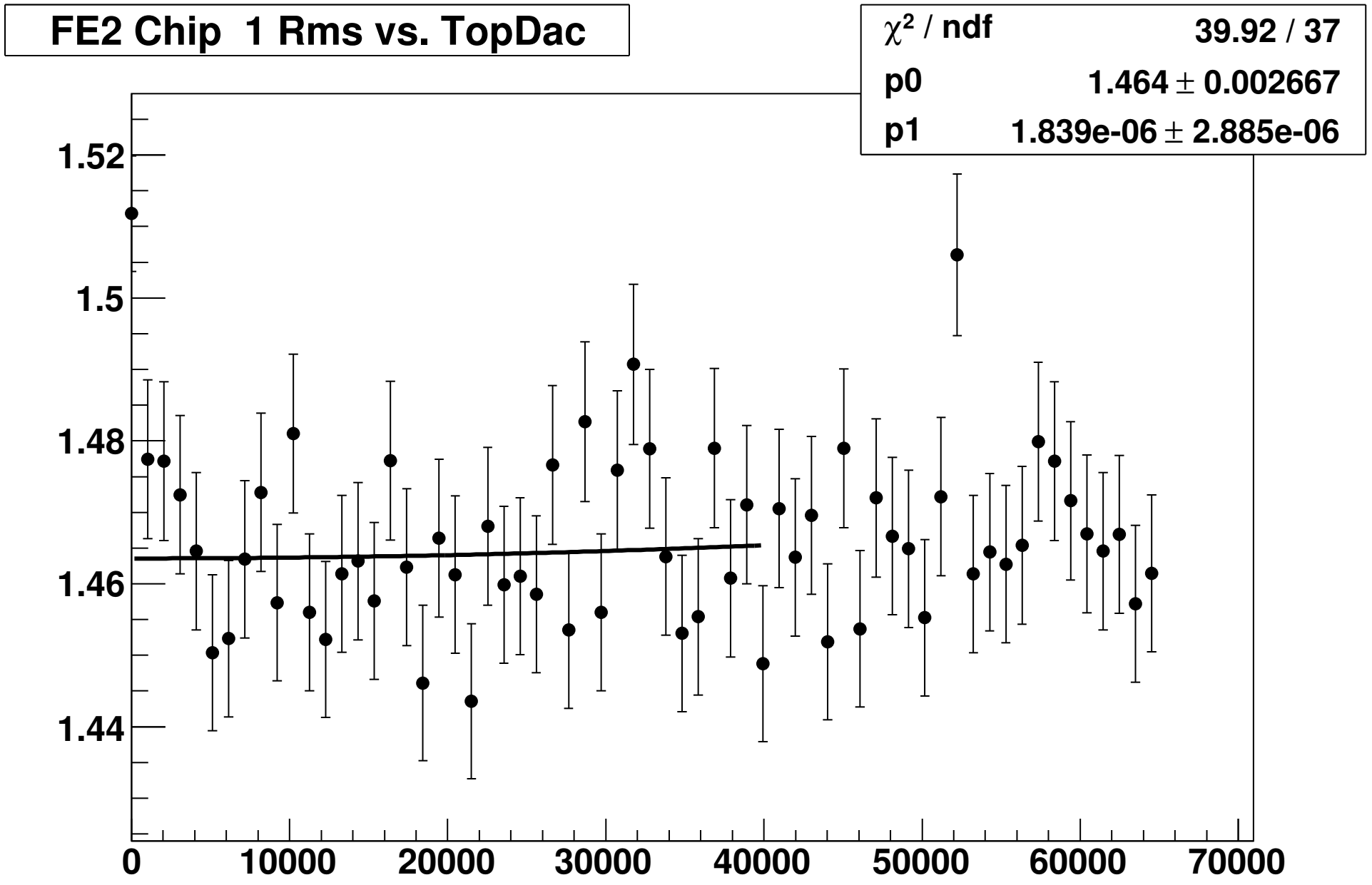
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 39.92 / 37
p0 1.464 ± 0.002667
p1 1.839e-06 ± 2.885e-06
1.52
1.5
1.48
1.46
1.44
0
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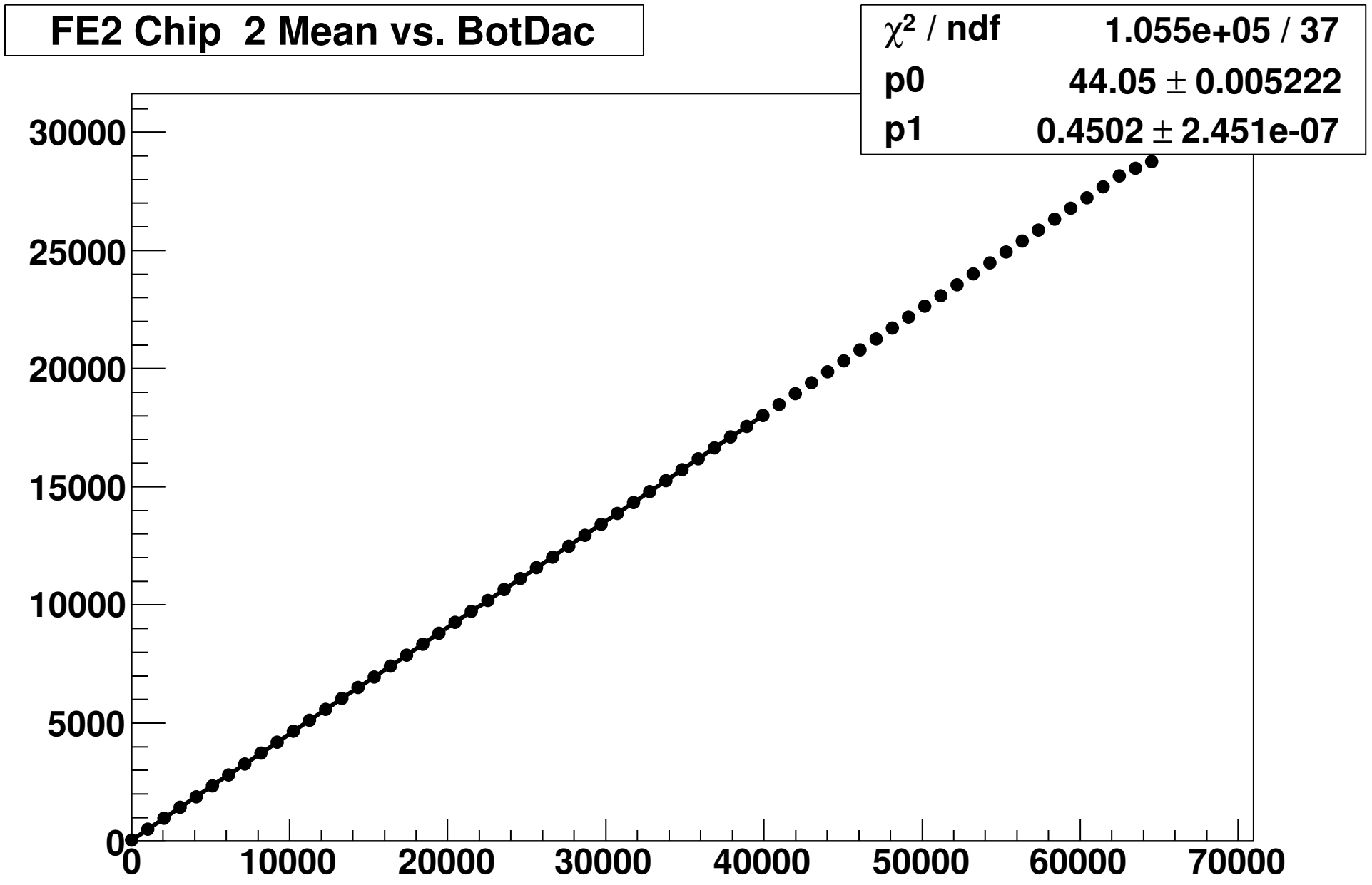
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.055e+05 / 37
p0 44.05 ± 0.005222
p1 0.4502 ± 2.451e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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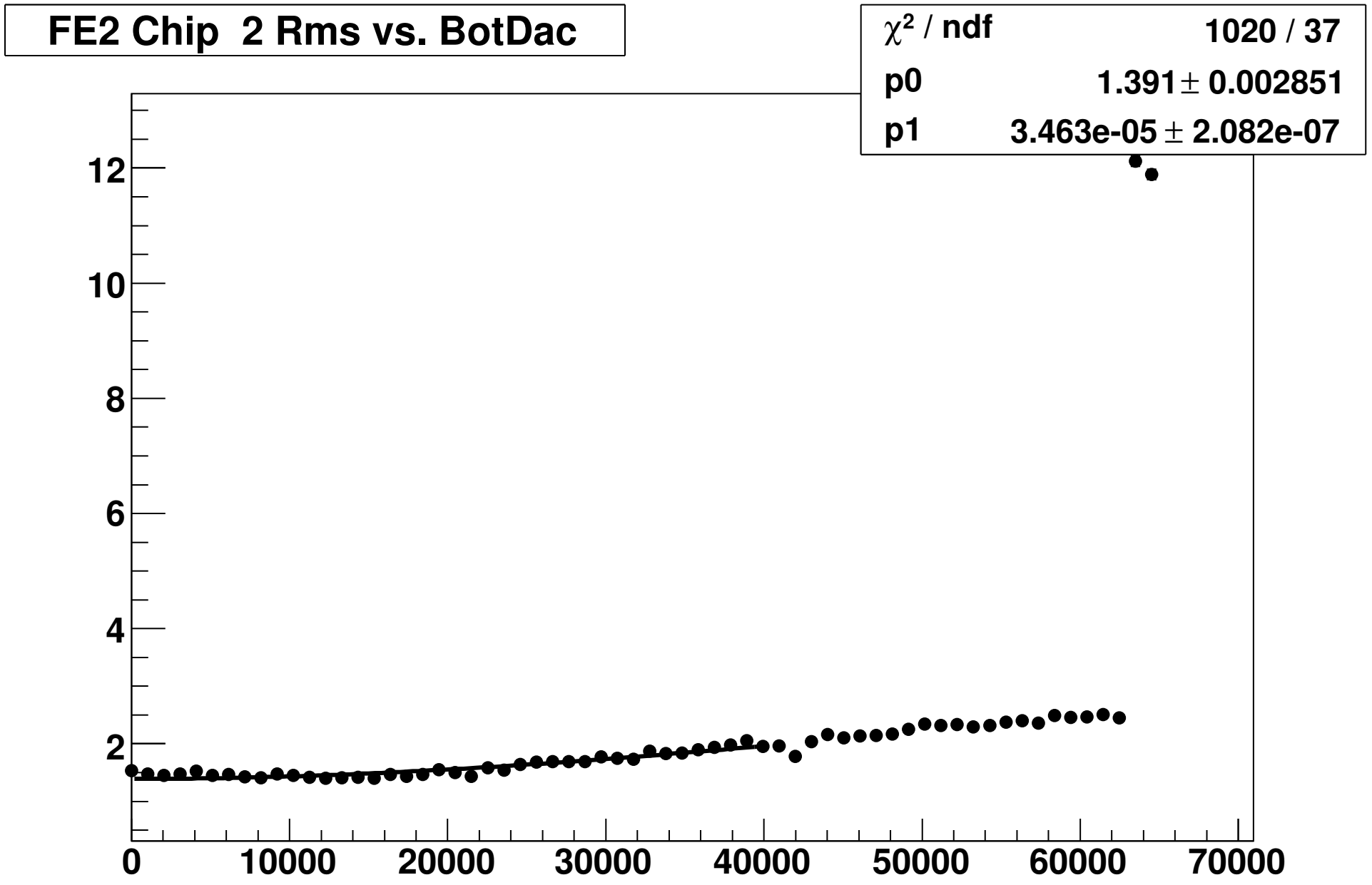
FE2 Chip 2 Rms vs. BotDac
χ² / ndf 1020 / 37
p0 1.391 ± 0.002851
p1 3.463e-05 ± 2.082e-07
12
10
8
6
4
2
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30000
40000
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60000
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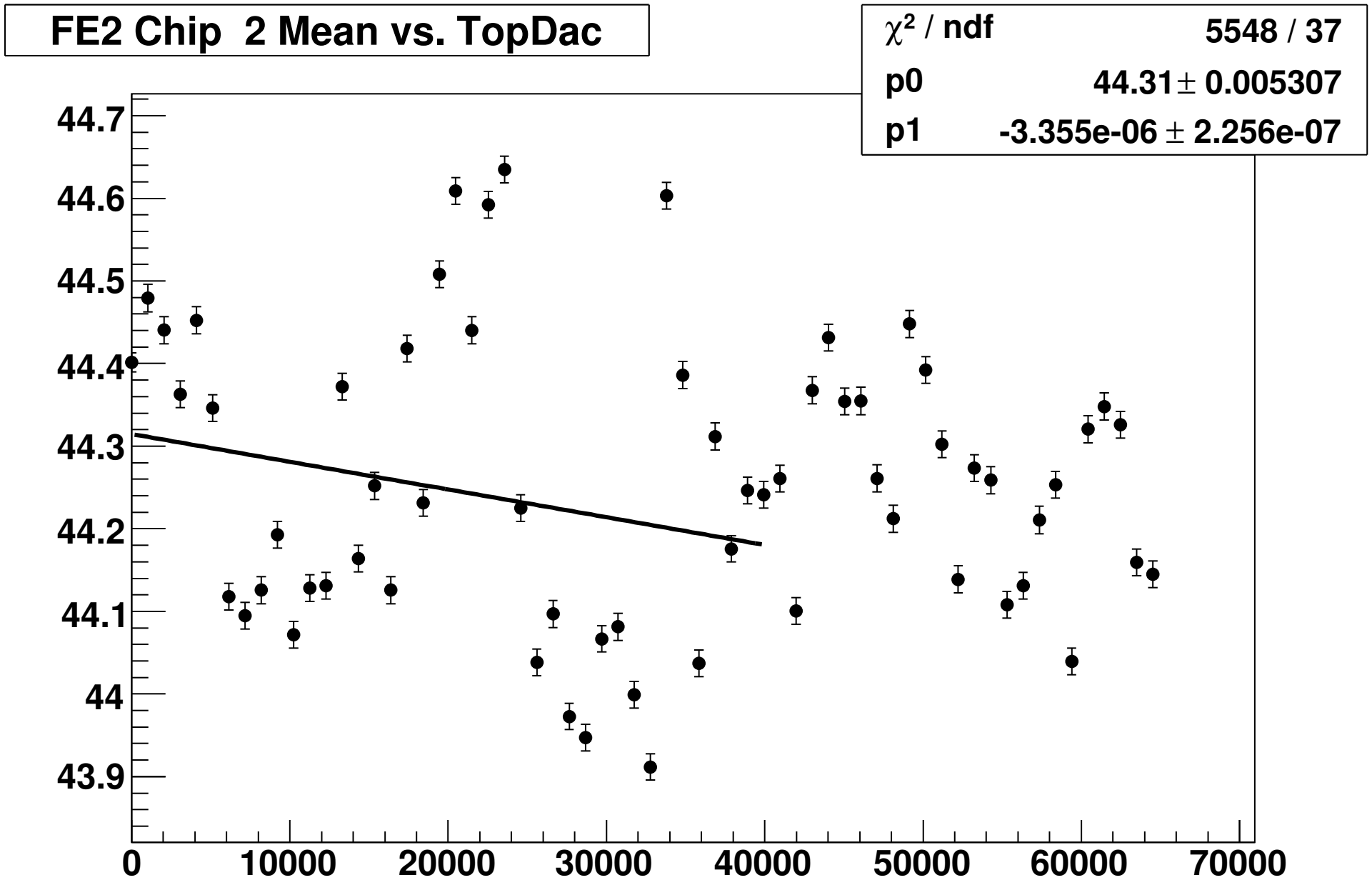
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 5548 / 37
p0 44.31 ± 0.005307
p1 -3.355e-06 ± 2.256e-07
44.7
44.6
44.5
44.4
44.3
44.2
44.1
44
43.9
0
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60000
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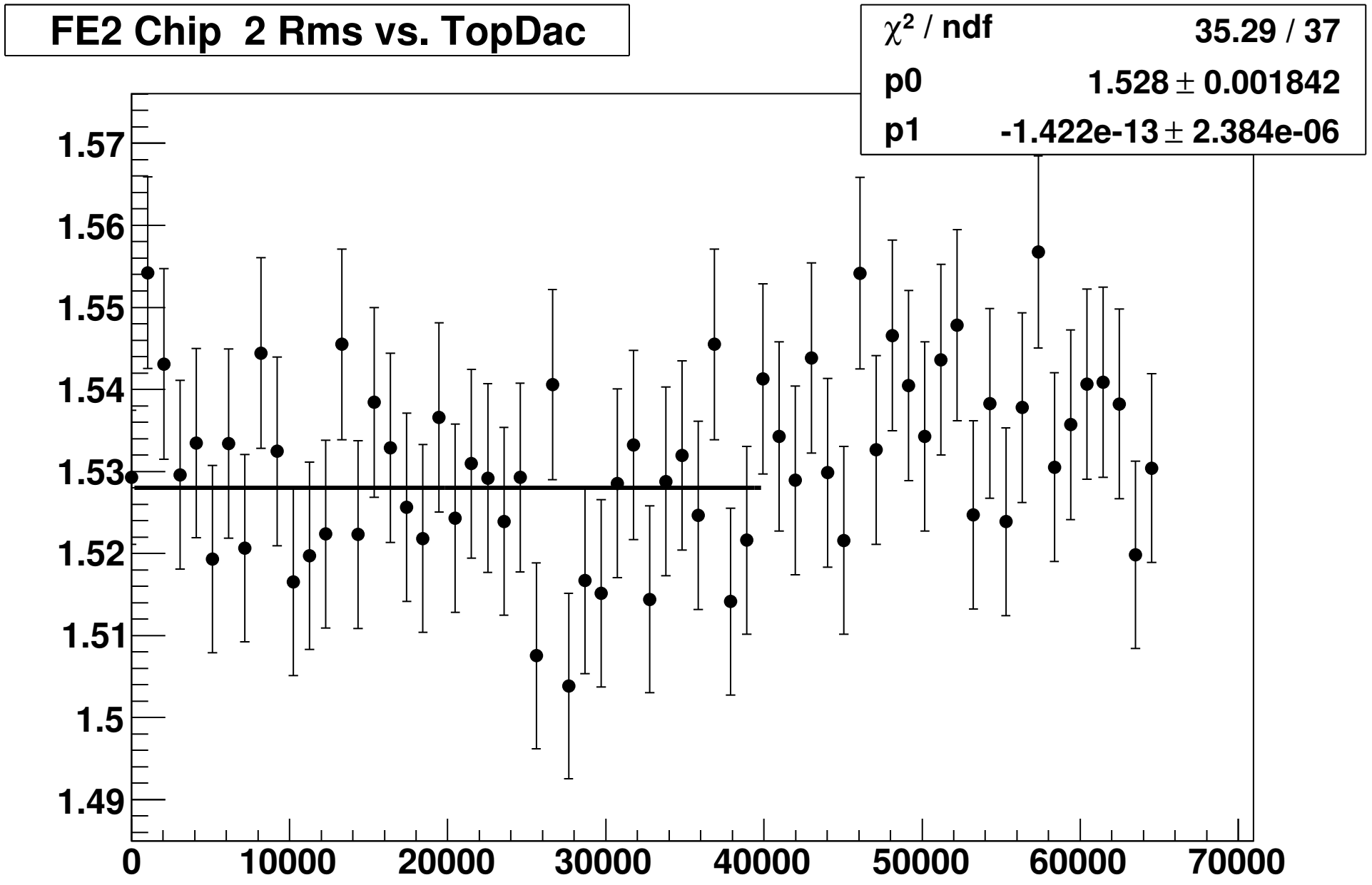
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 35.29 / 37
p0 1.528 ± 0.001842
p1 -1.422e-13 ± 2.384e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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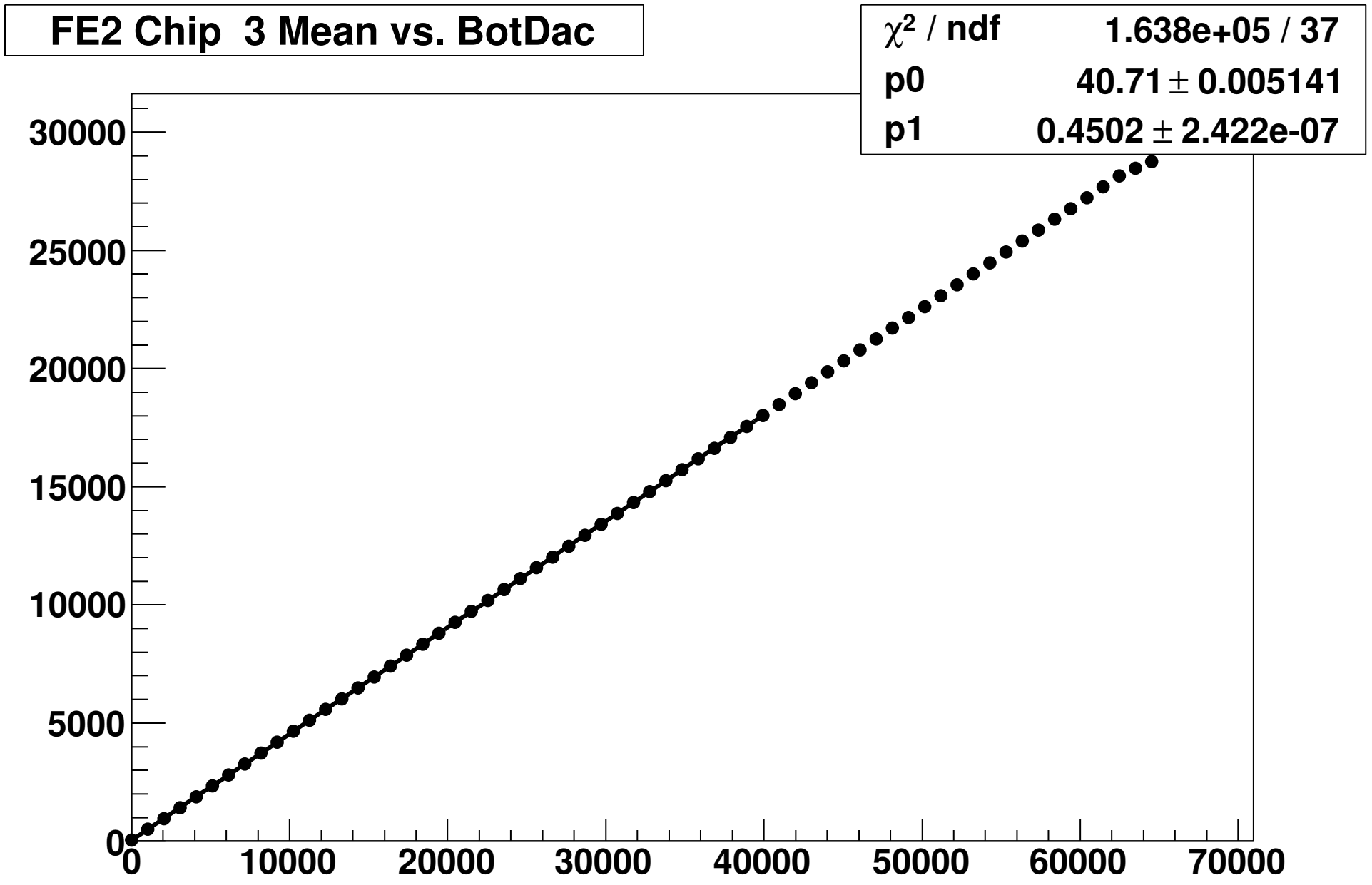
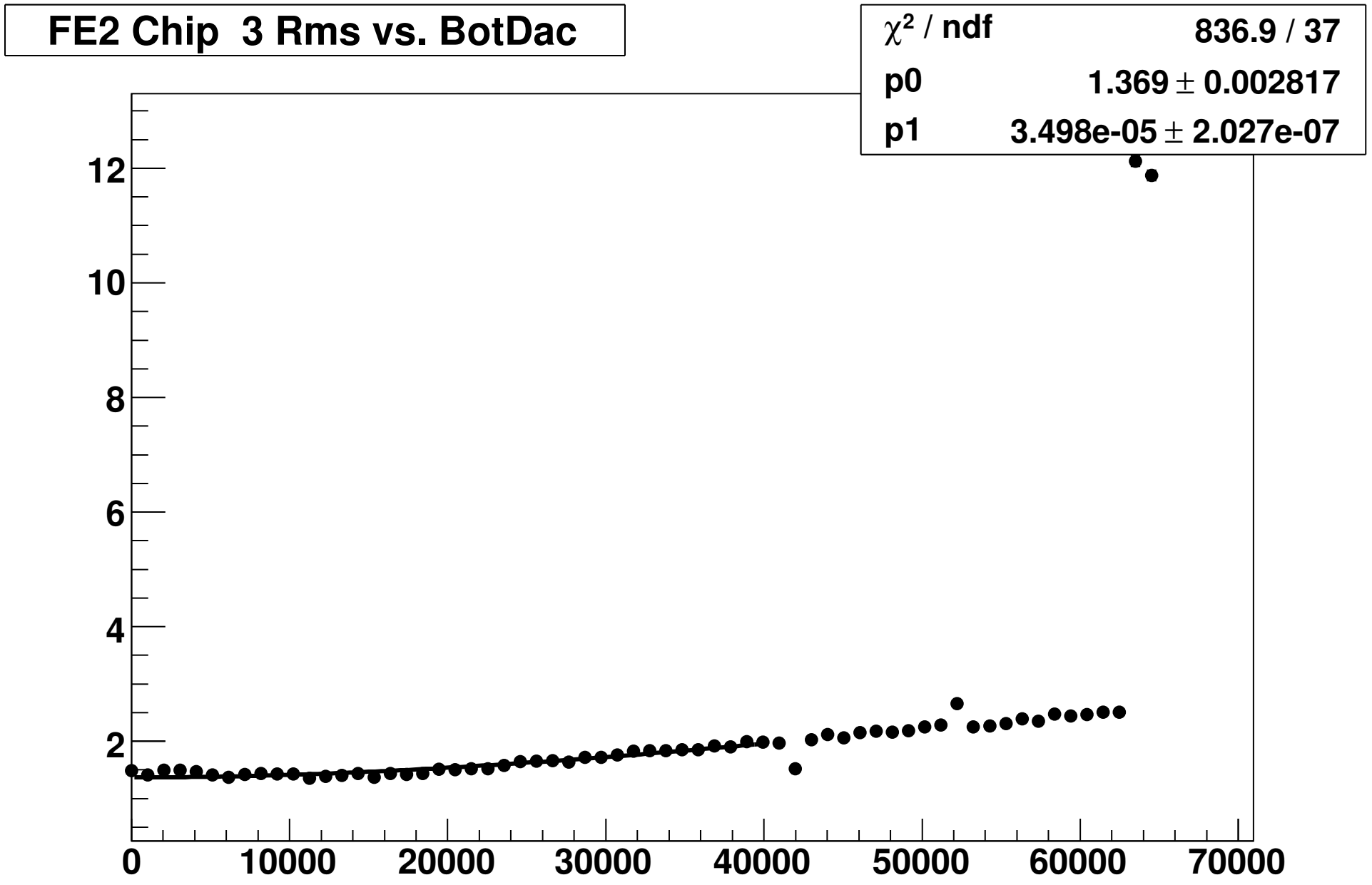
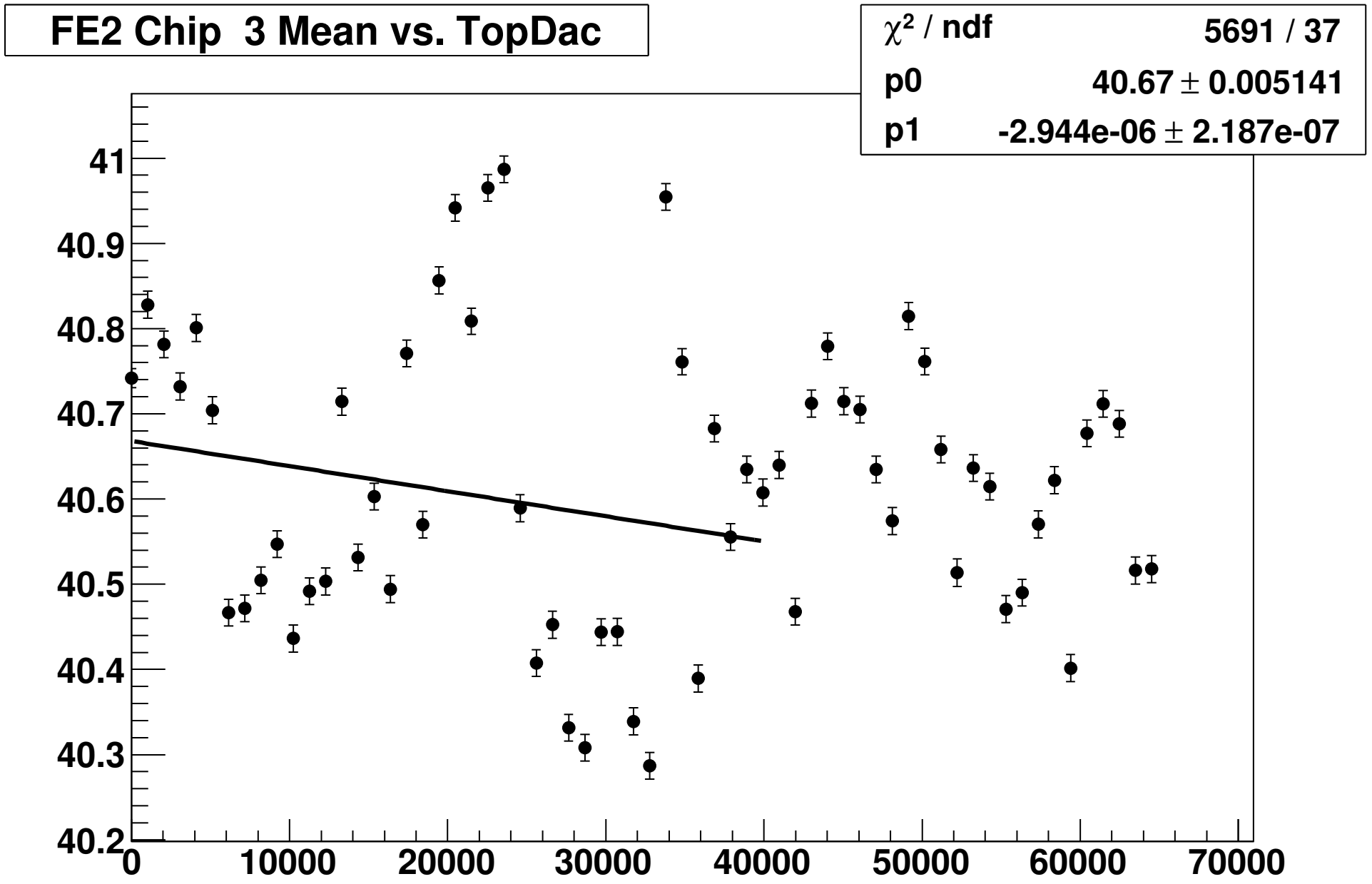
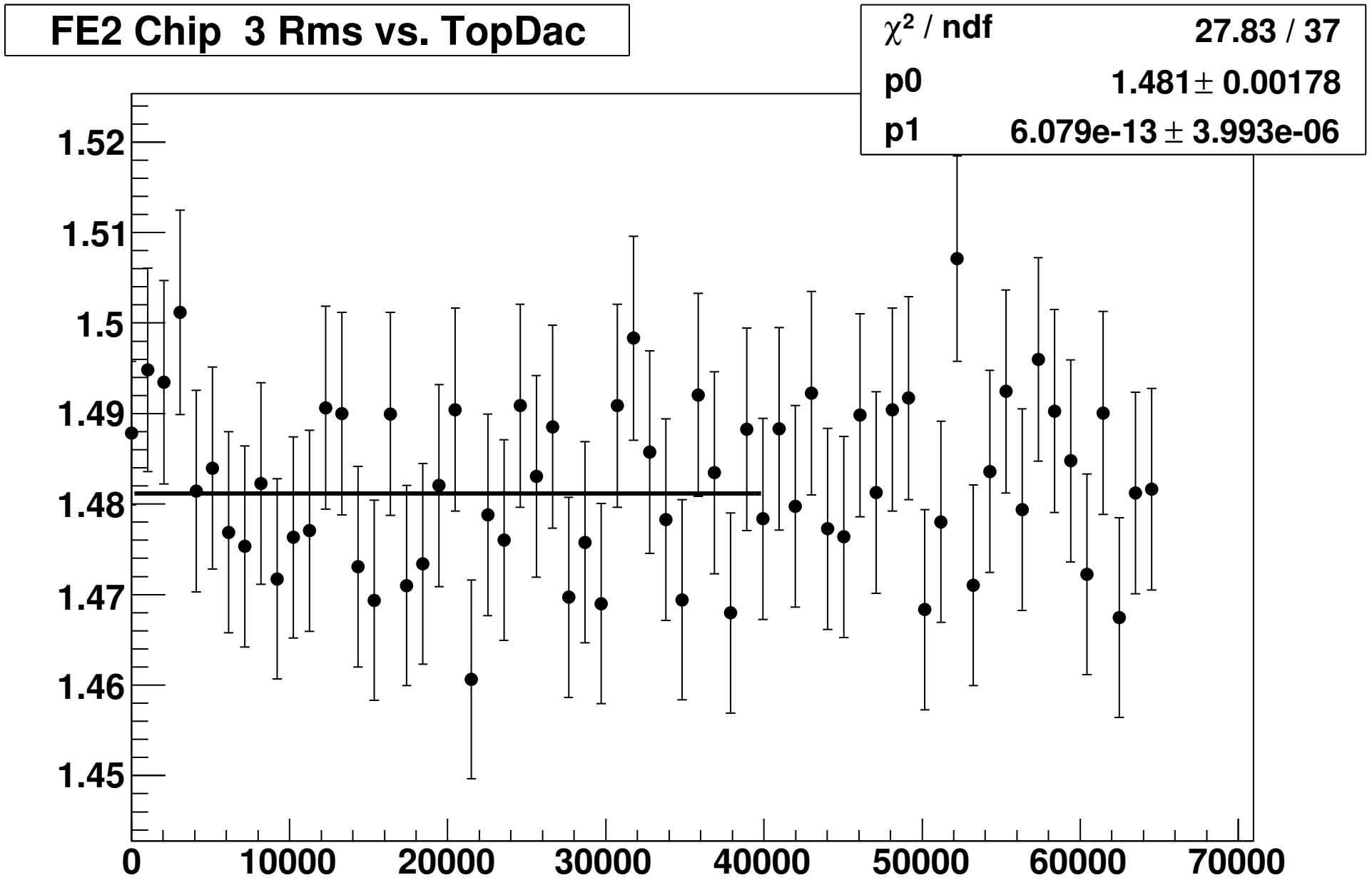
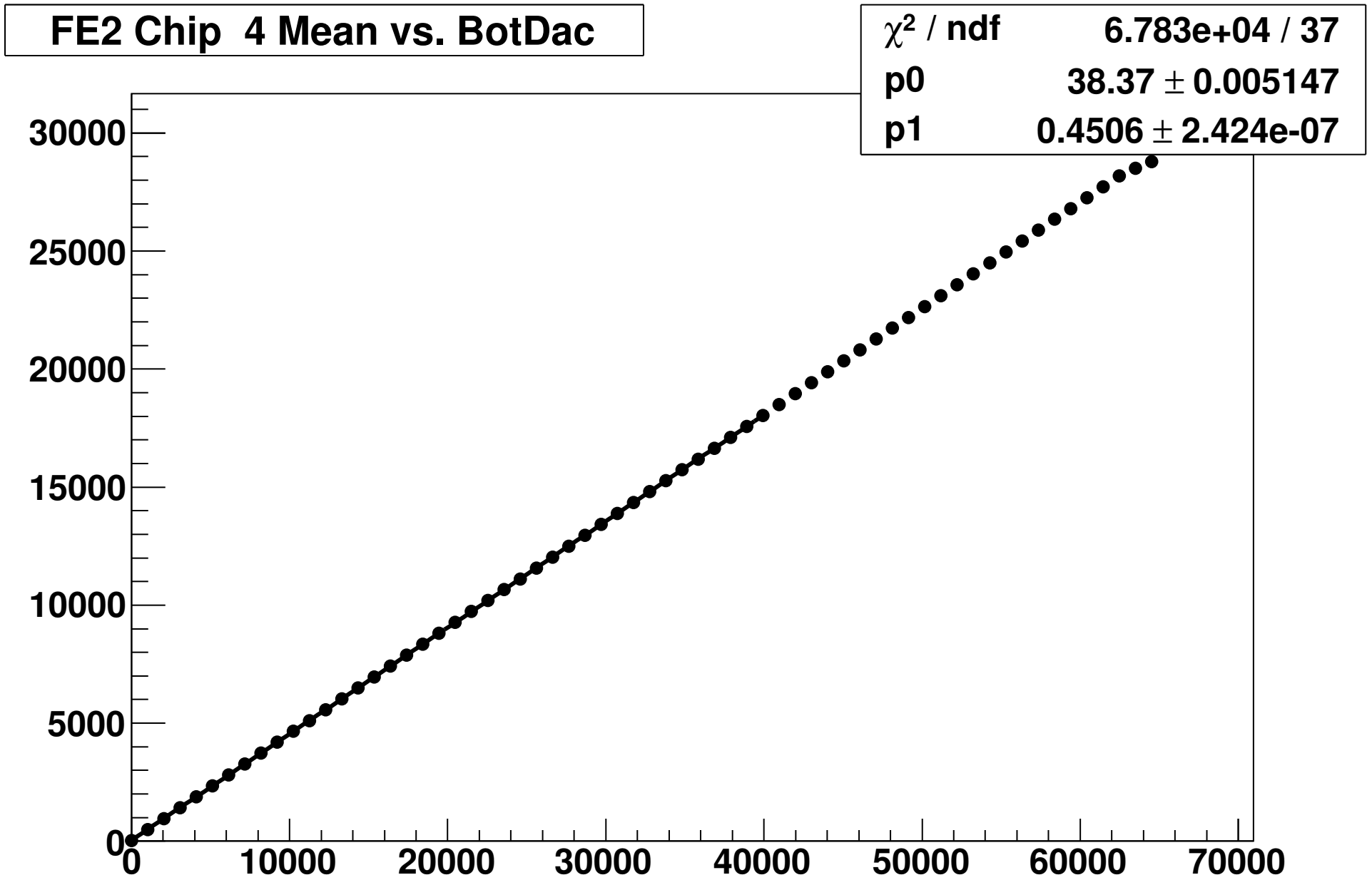
50000
60000
70000

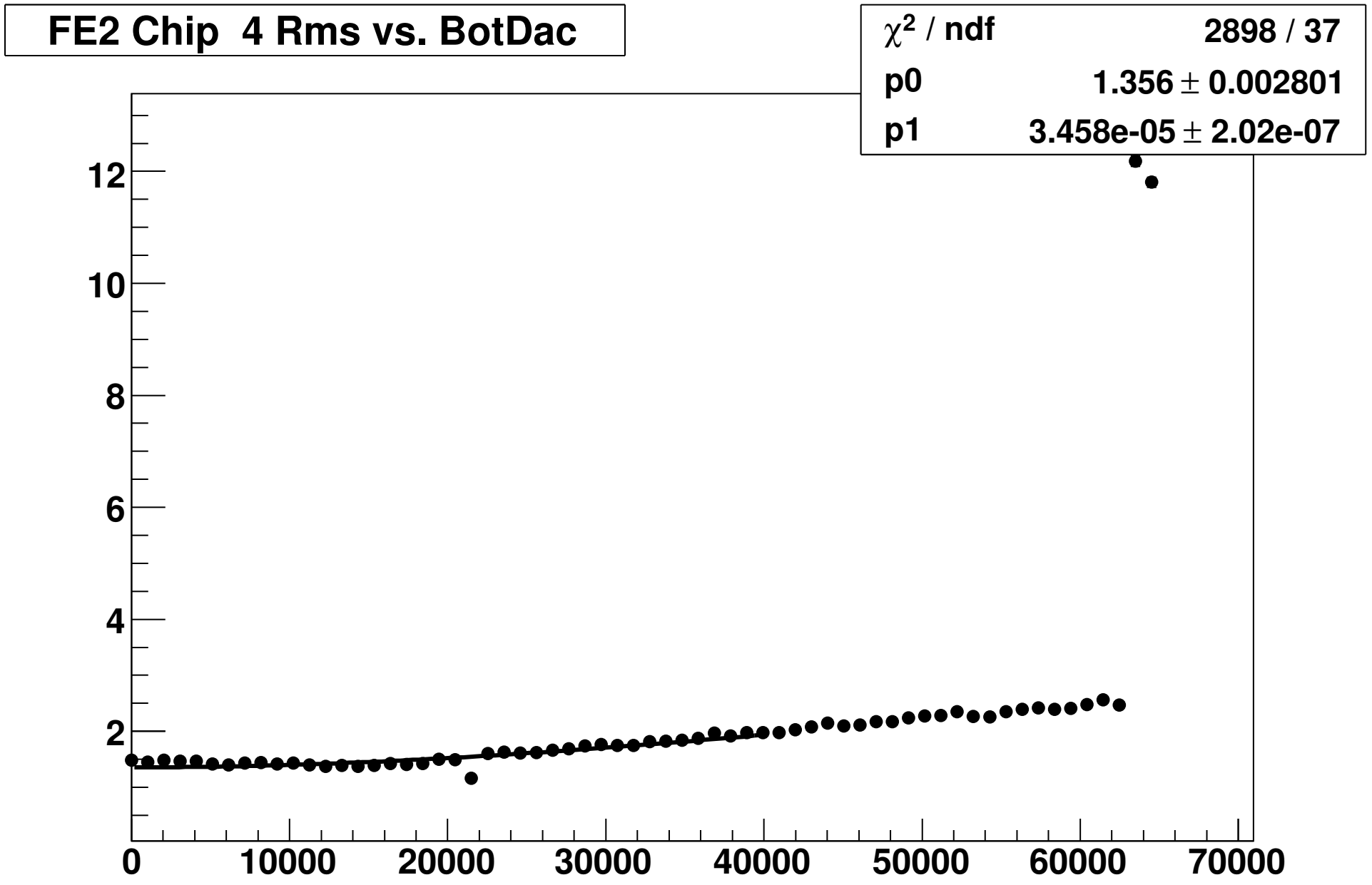

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.638e+05 / 37
p0 40.71 ± 0.005141
p1 0.4502 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

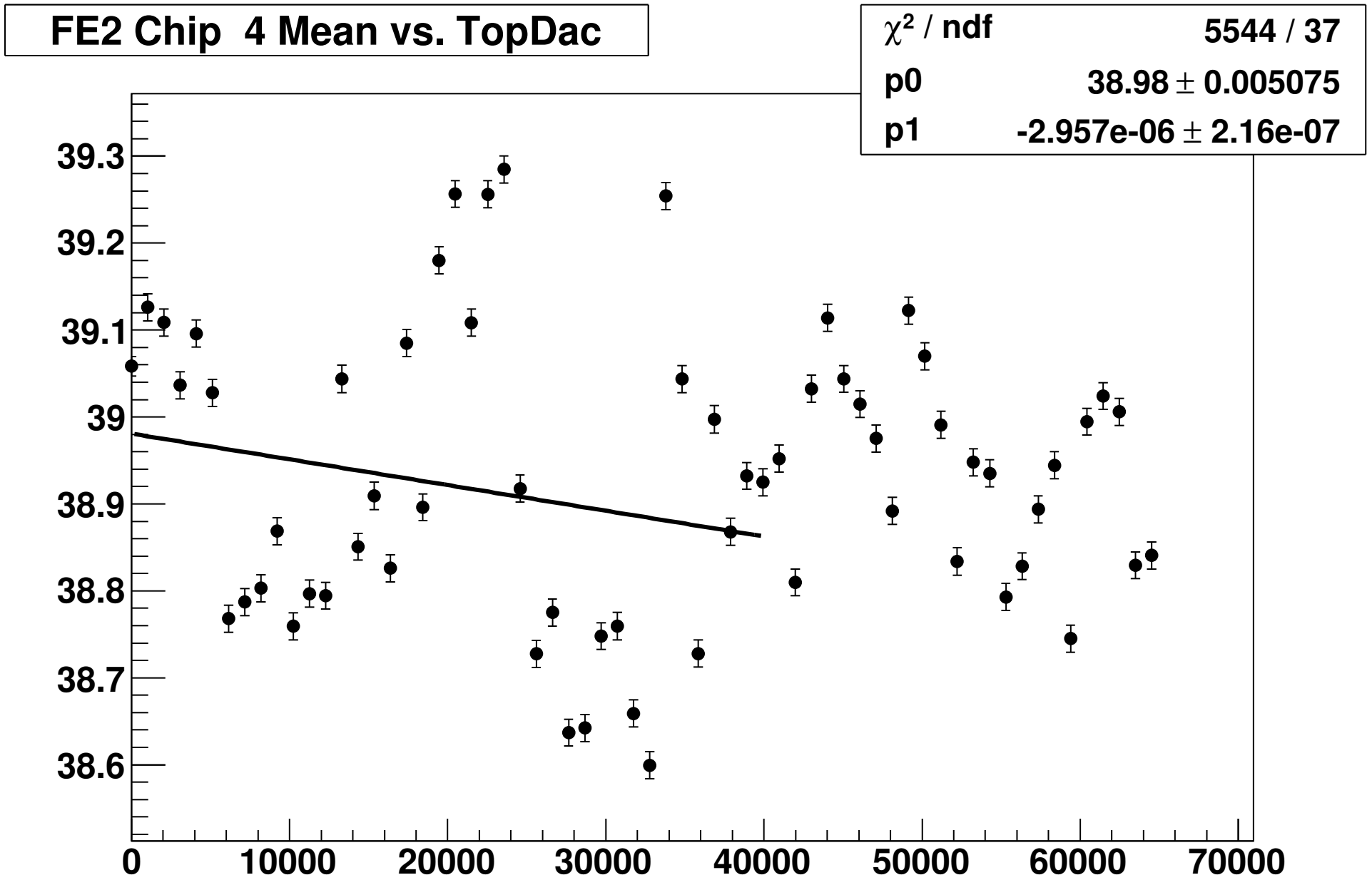

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 836.9 / 37
p0 1.369 ± 0.002817
p1 3.498e-05 ± 2.027e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

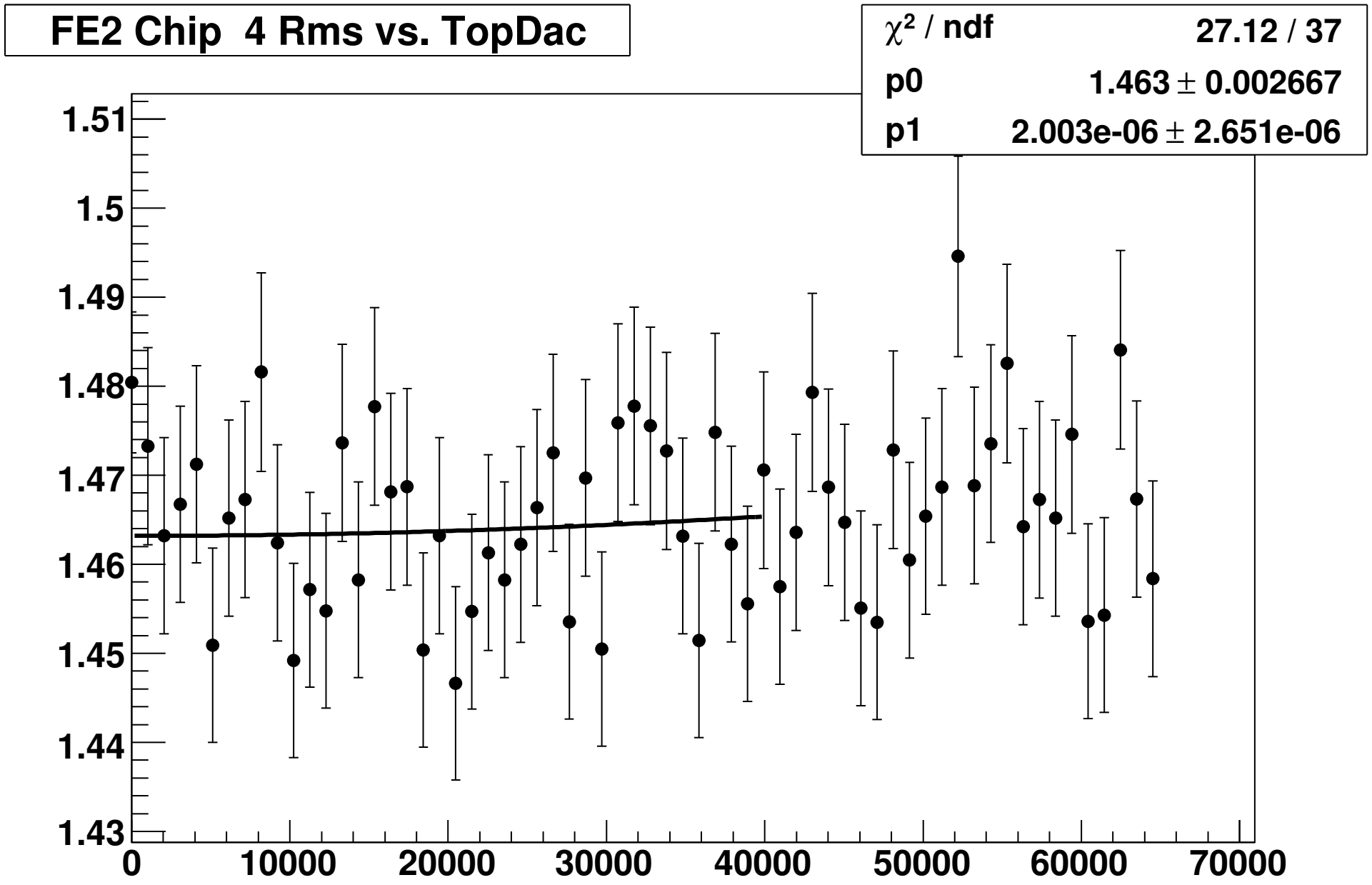

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 5691 / 37
p0 40.67 ± 0.005141
p1 -2.944e-06 ± 2.187e-07
41
40.9
40.8
40.7
40.6
40.5
40.4
40.3
40.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 27.83 / 37
p0 1.481 ± 0.00178
p1 6.079e-13 ± 3.993e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 6.783e+04 / 37
p0 38.37 ± 0.005147
p1 0.4506 ± 2.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 2898 / 37
p0 1.356 ± 0.002801
p1 3.458e-05 ± 2.02e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 5544 / 37
p0 38.98 ± 0.005075
p1 -2.957e-06 ± 2.16e-07
39.3
39.2
39.1
39
38.9
38.8
38.7
38.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 27.12 / 37
p0 1.463 ± 0.002667
p1 2.003e-06 ± 2.651e-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
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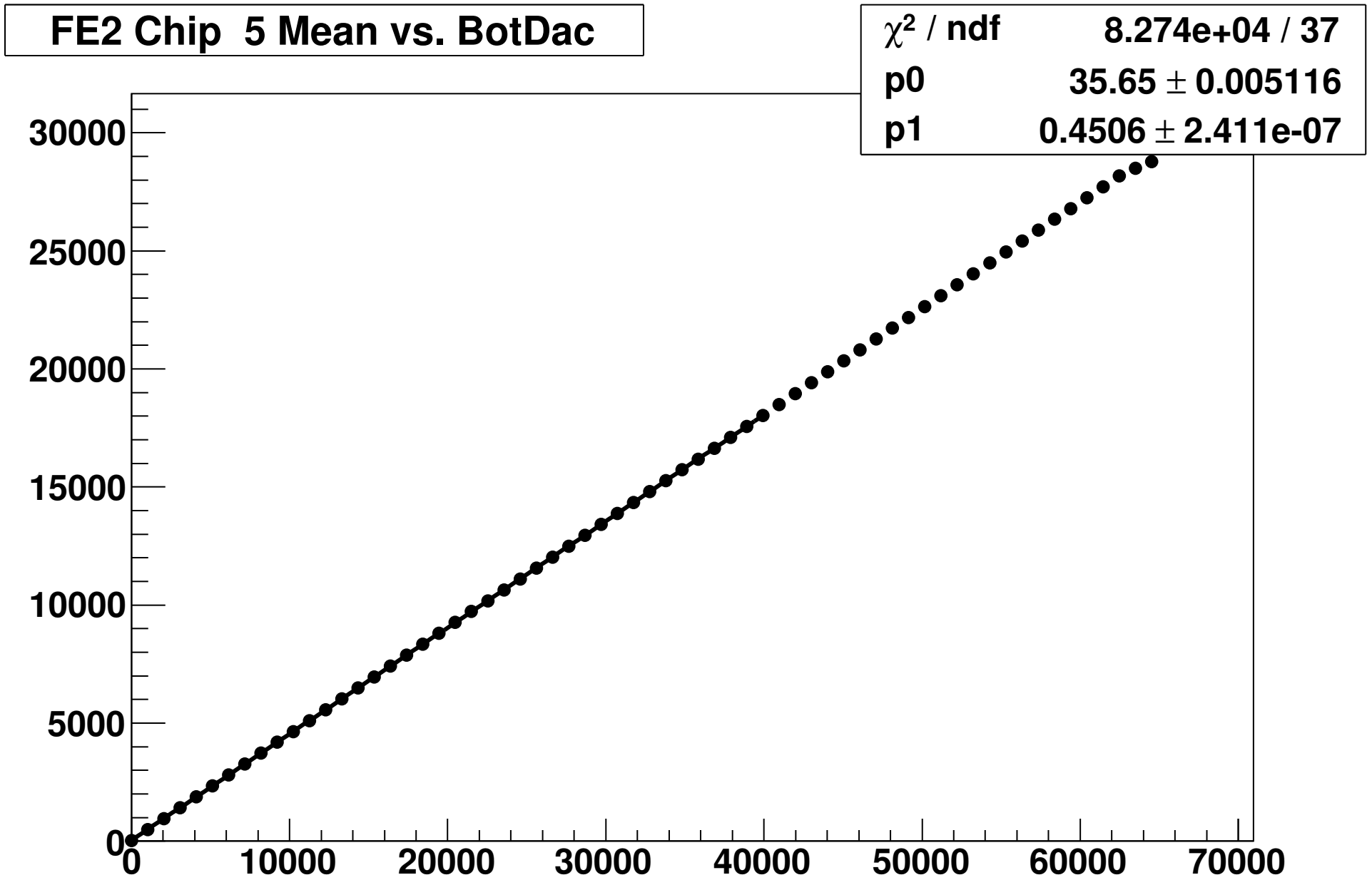
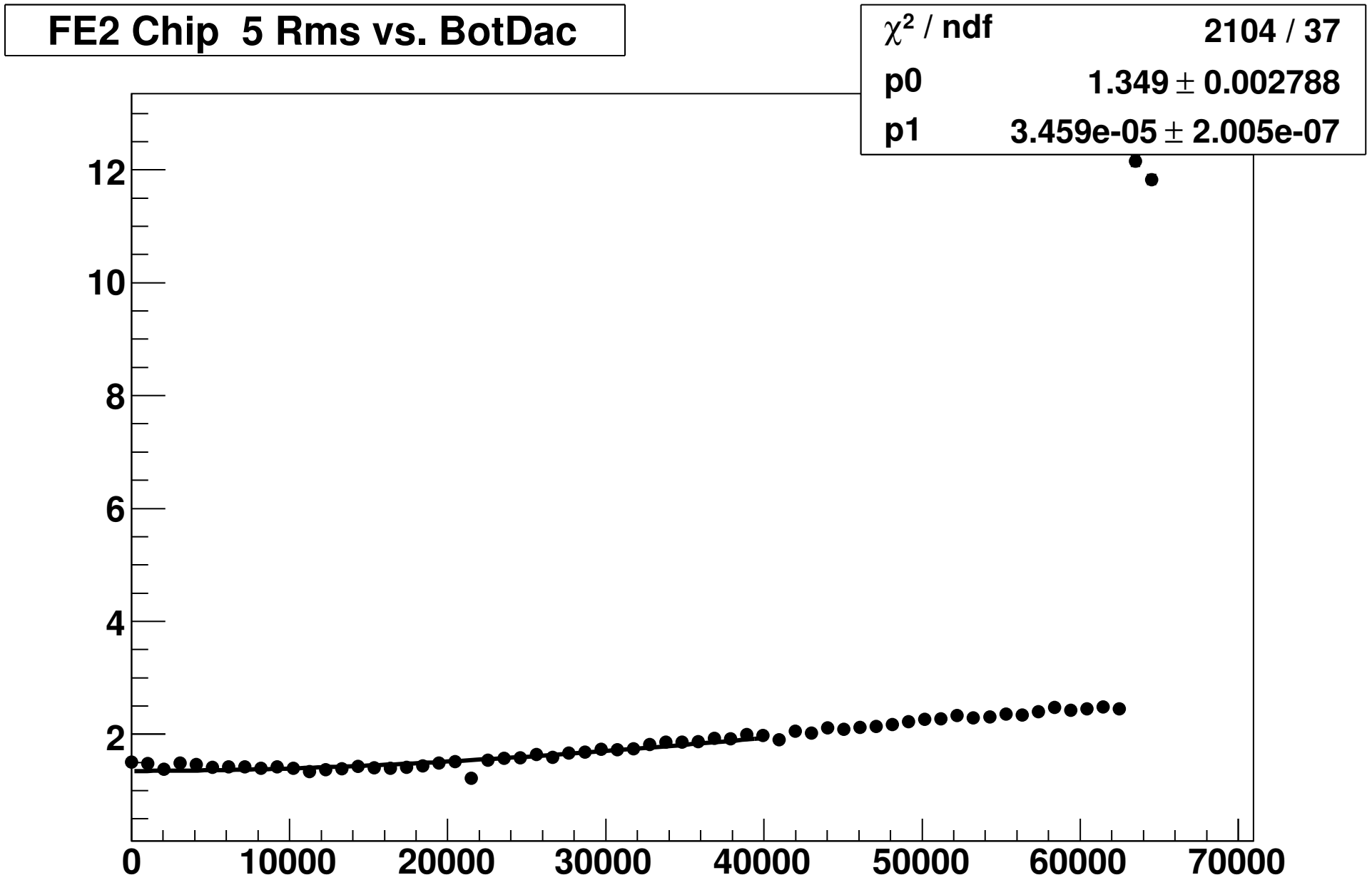
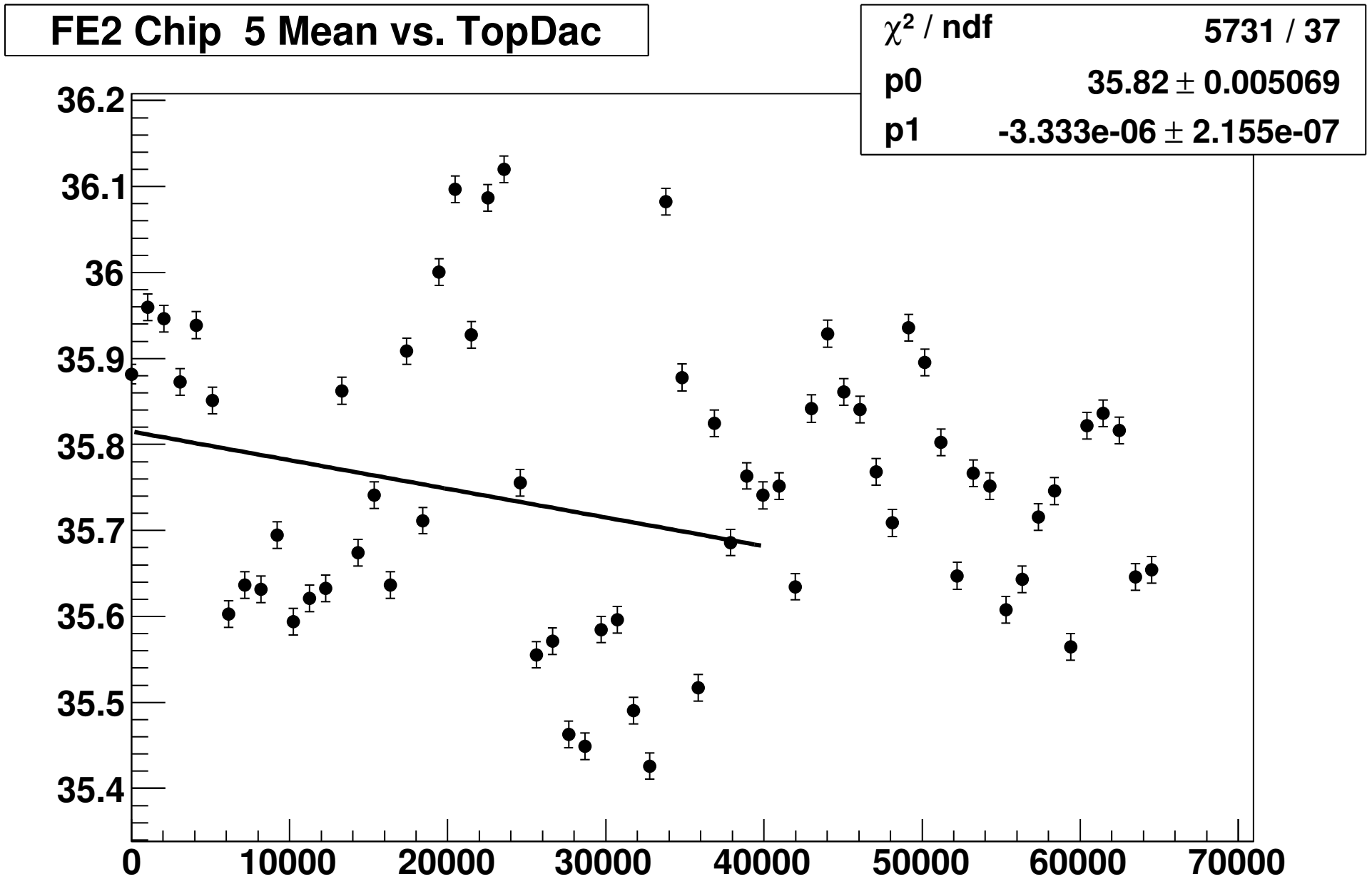

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 8.274e+04 / 37
p0 35.65 ± 0.005116
p1 0.4506 ± 2.411e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 2104 / 37
p0 1.349 ± 0.002788
p1 3.459e-05 ± 2.005e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 5731 / 37
p0 35.82 ± 0.005069
p1 -3.333e-06 ± 2.155e-07
36.2
36.1
36
35.9
35.8
35.7
35.6
35.5
35.4
0
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20000
30000
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60000
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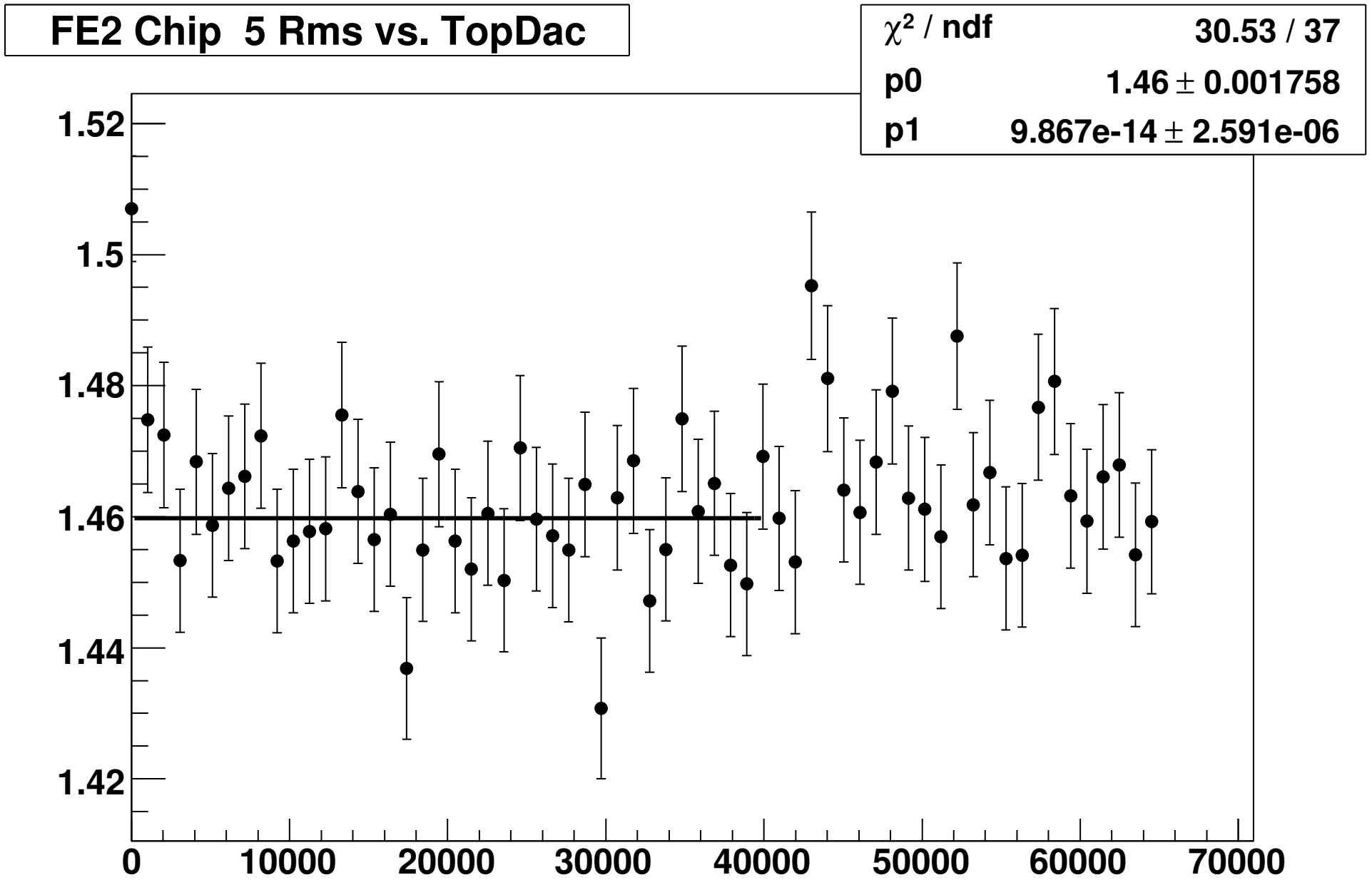
FE2 Chip 5 Rms vs. TopDac
χ² / ndf 30.53 / 37
p0 1.46 ± 0.001758
p1 9.867e-14 ± 2.591e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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60000
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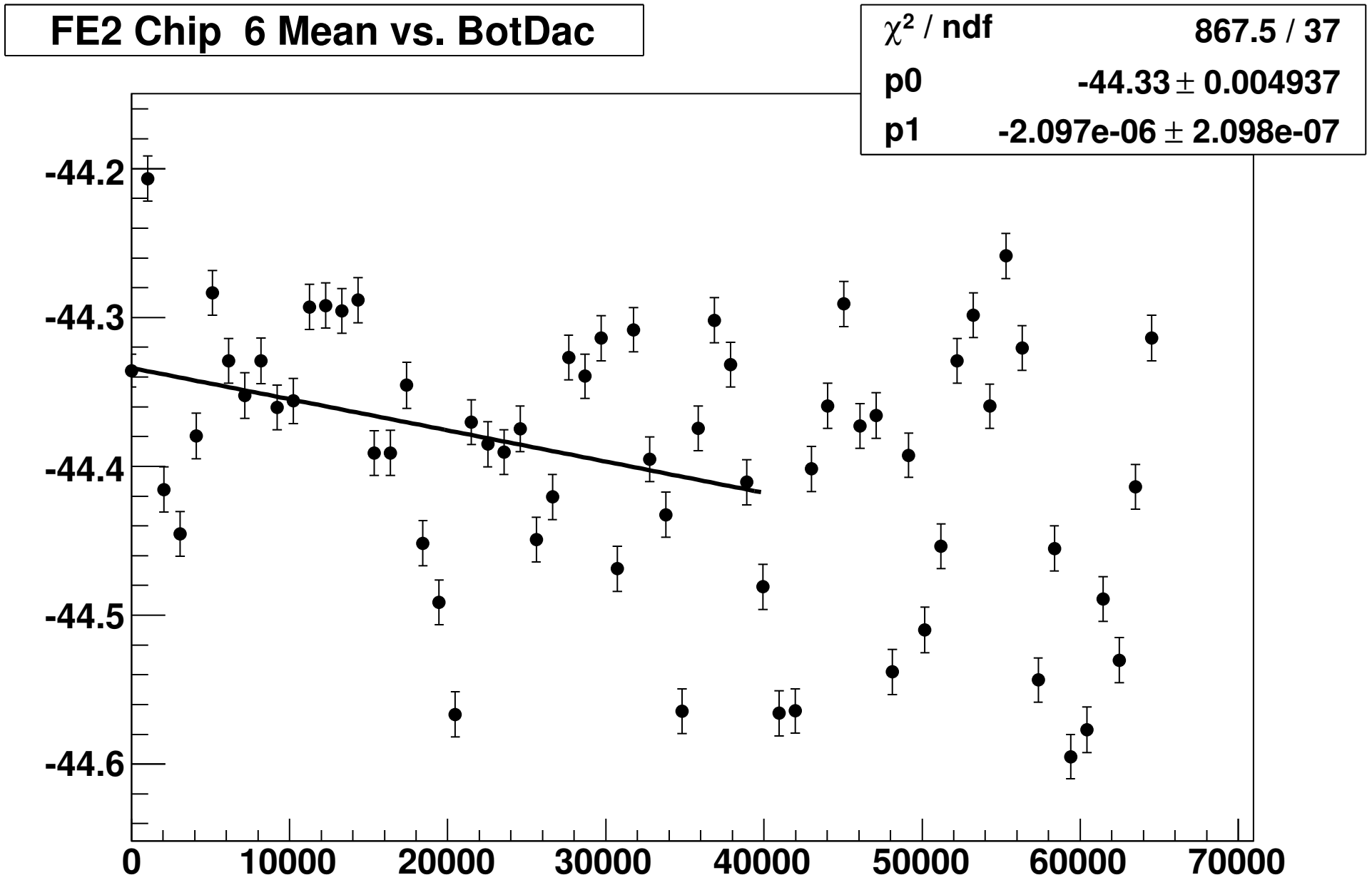
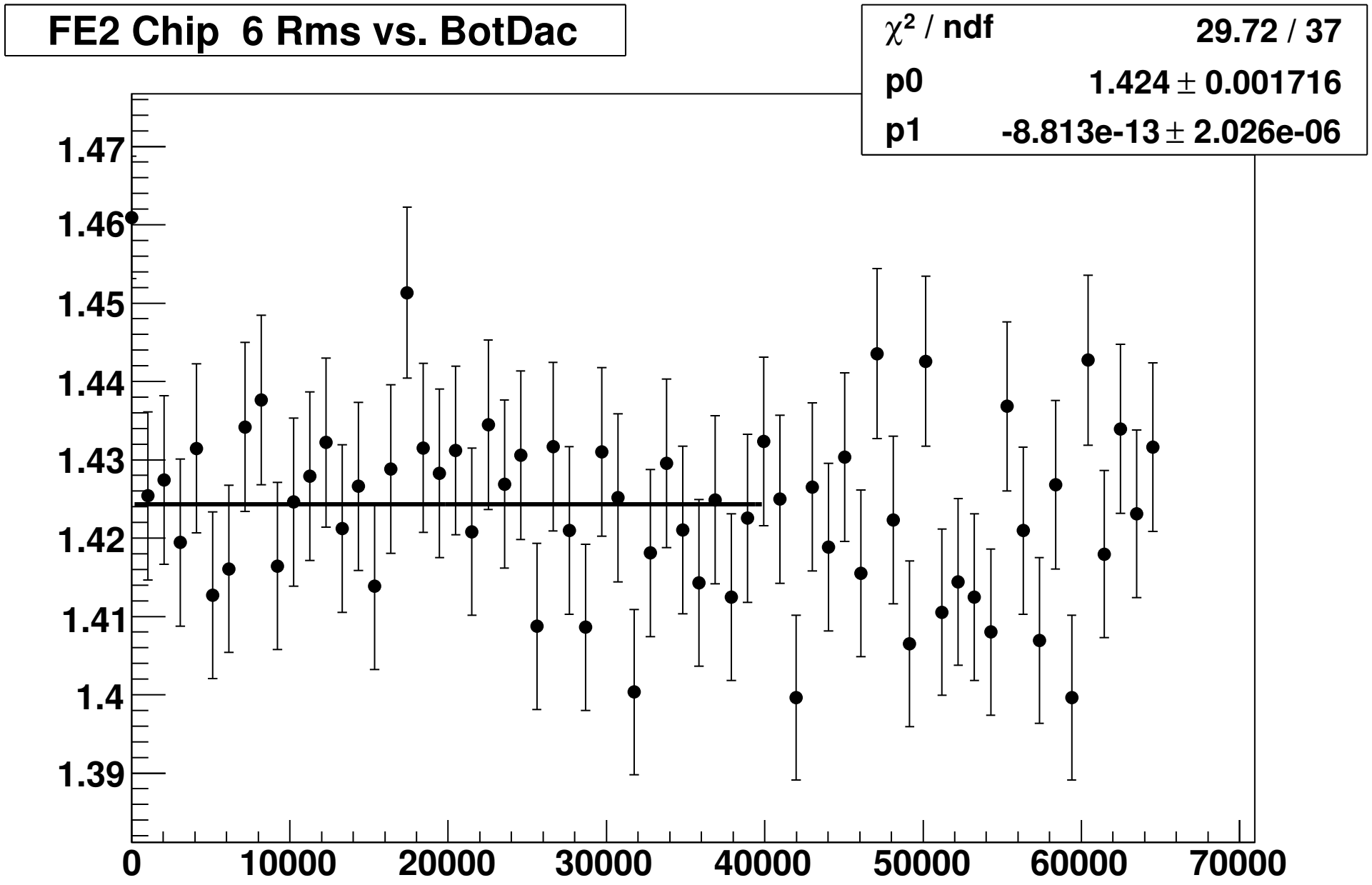
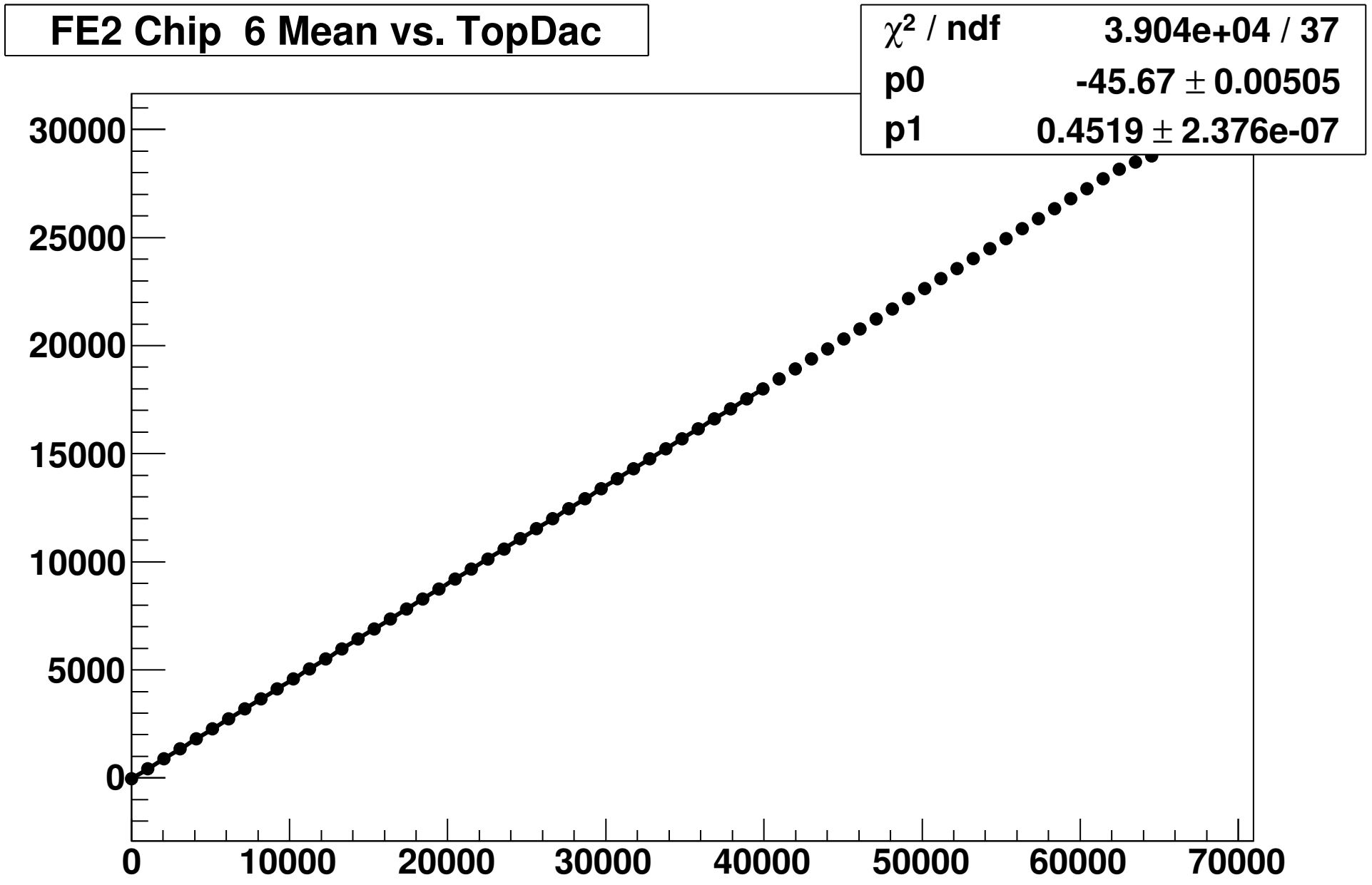

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 867.5 / 37
p0 -44.33 ± 0.004937
p1 -2.097e-06 ± 2.098e-07
-44.2
-44.3
-44.4
-44.5
-44.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 29.72 / 37
p0 1.424 ± 0.001716
p1 -8.813e-13 ± 2.026e-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


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 3.904e+04 / 37
p0 -45.67 ± 0.00505
p1 0.4519 ± 2.376e-07
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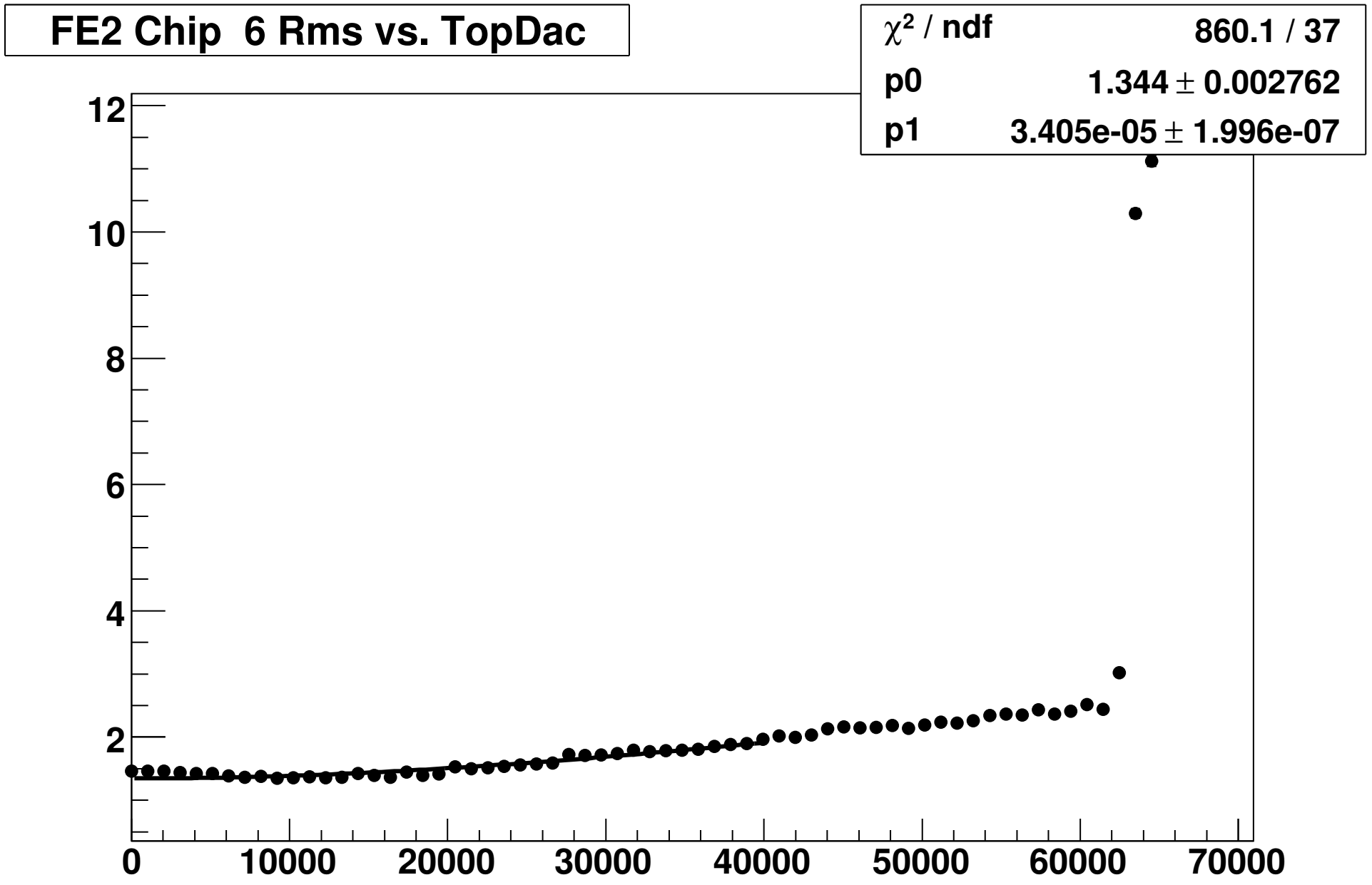
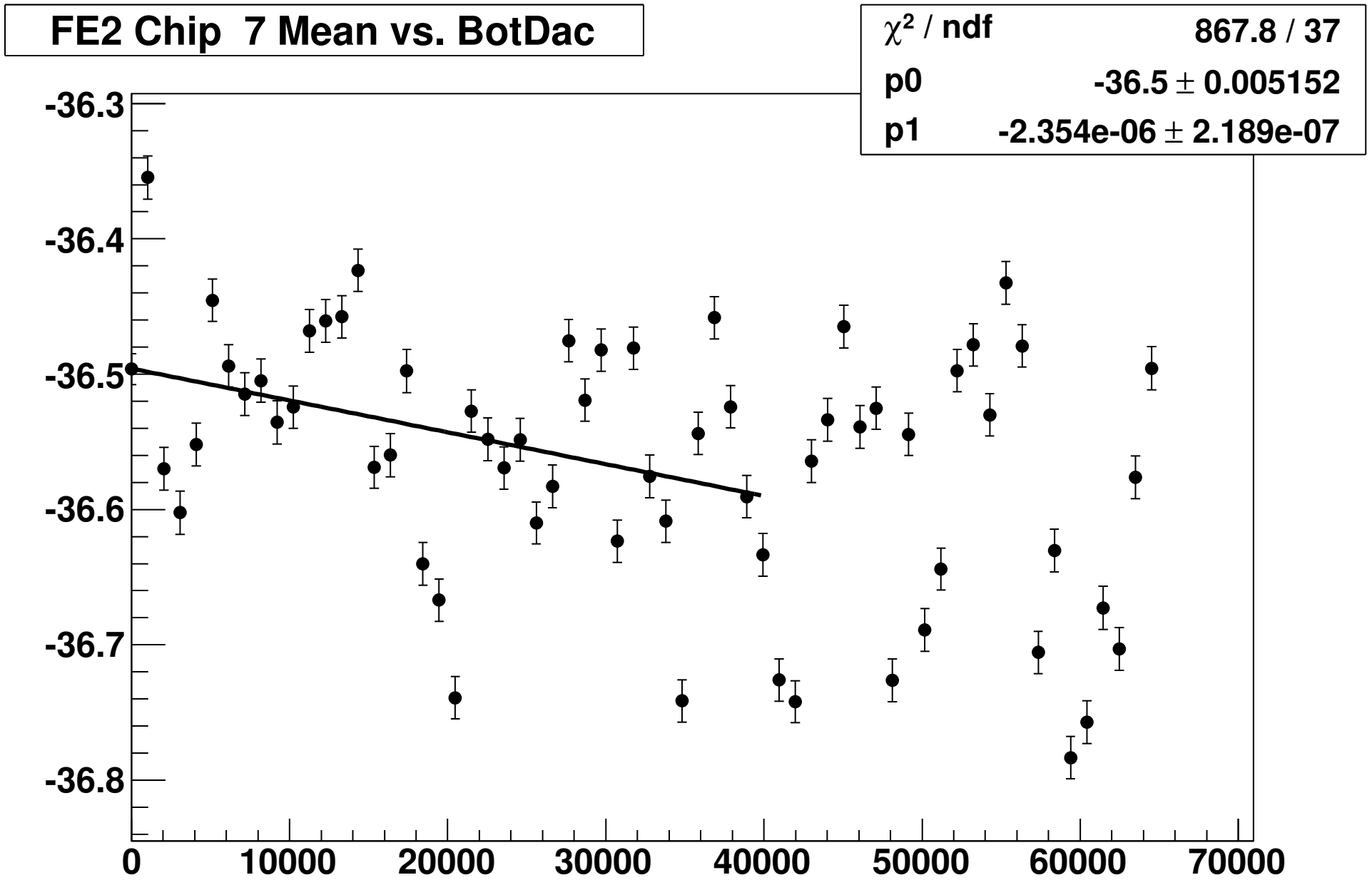
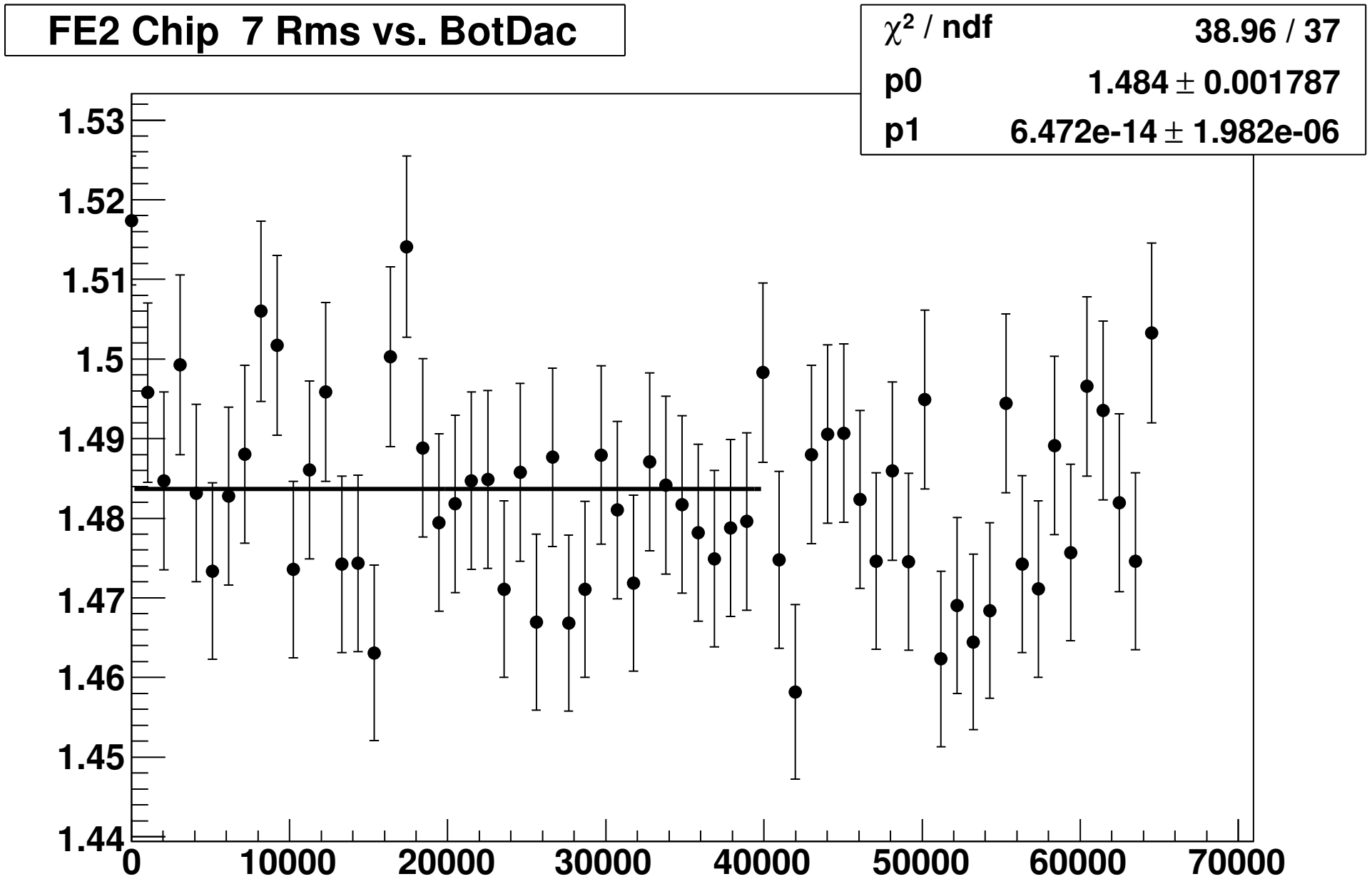
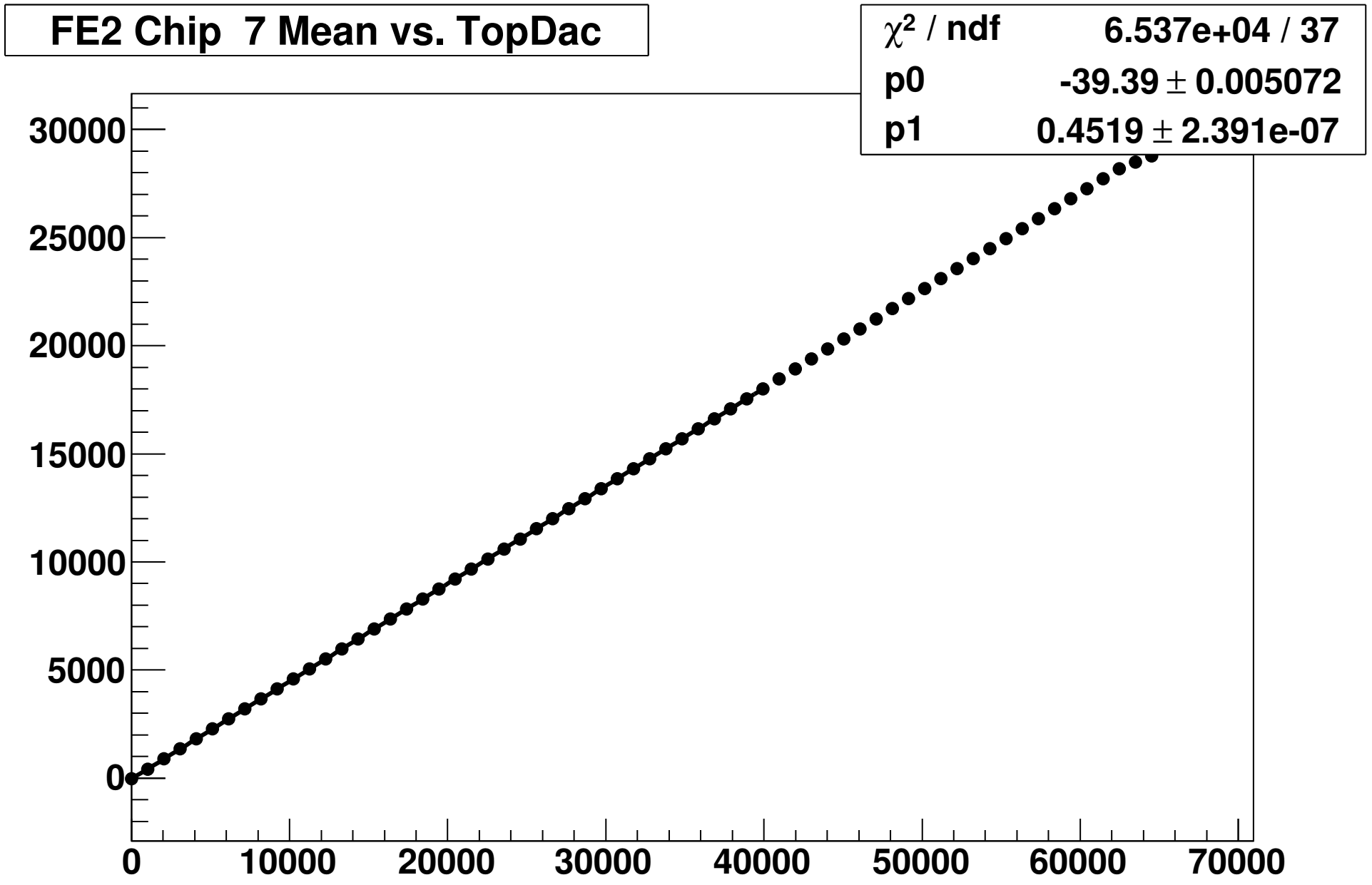
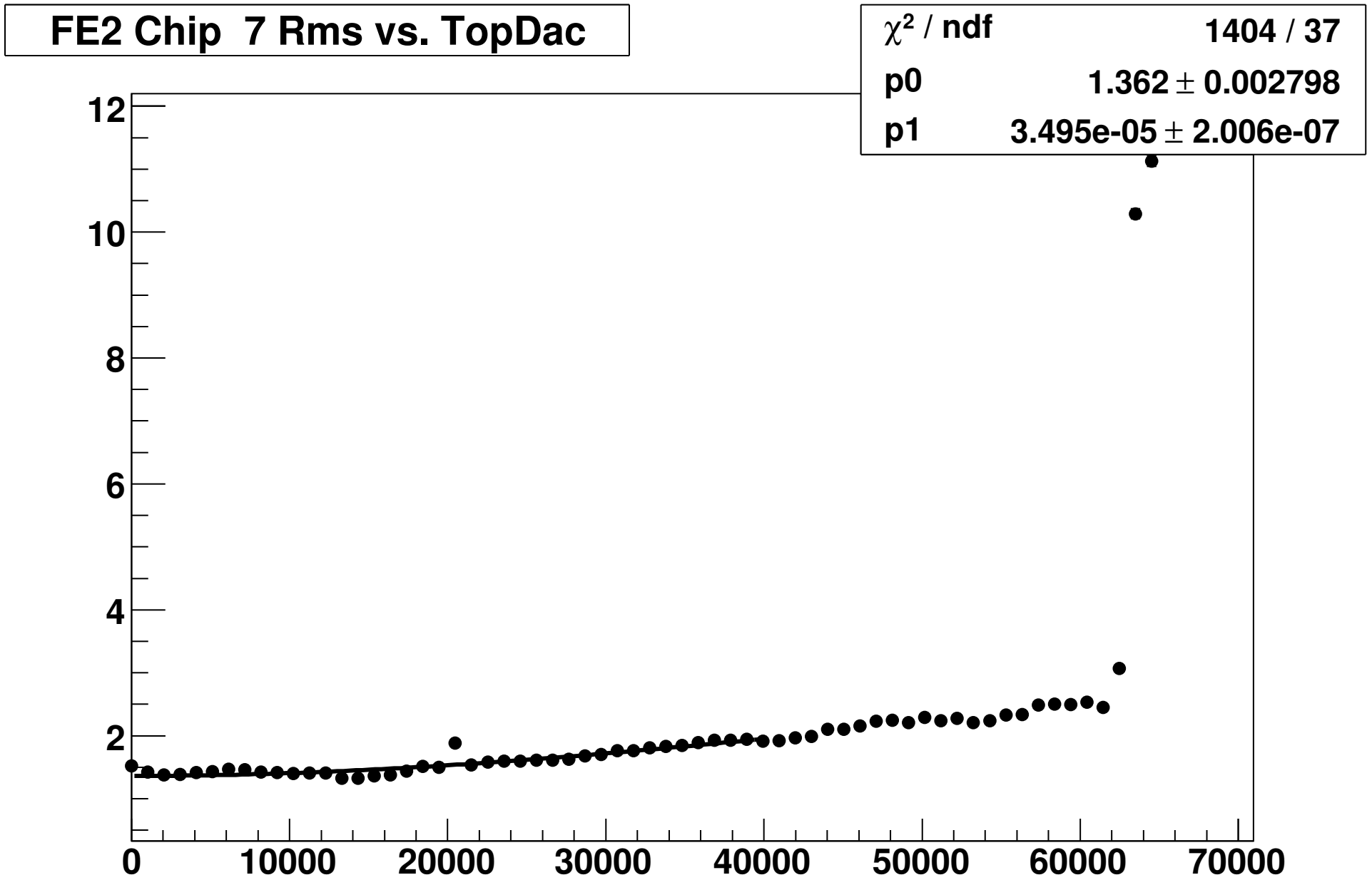
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

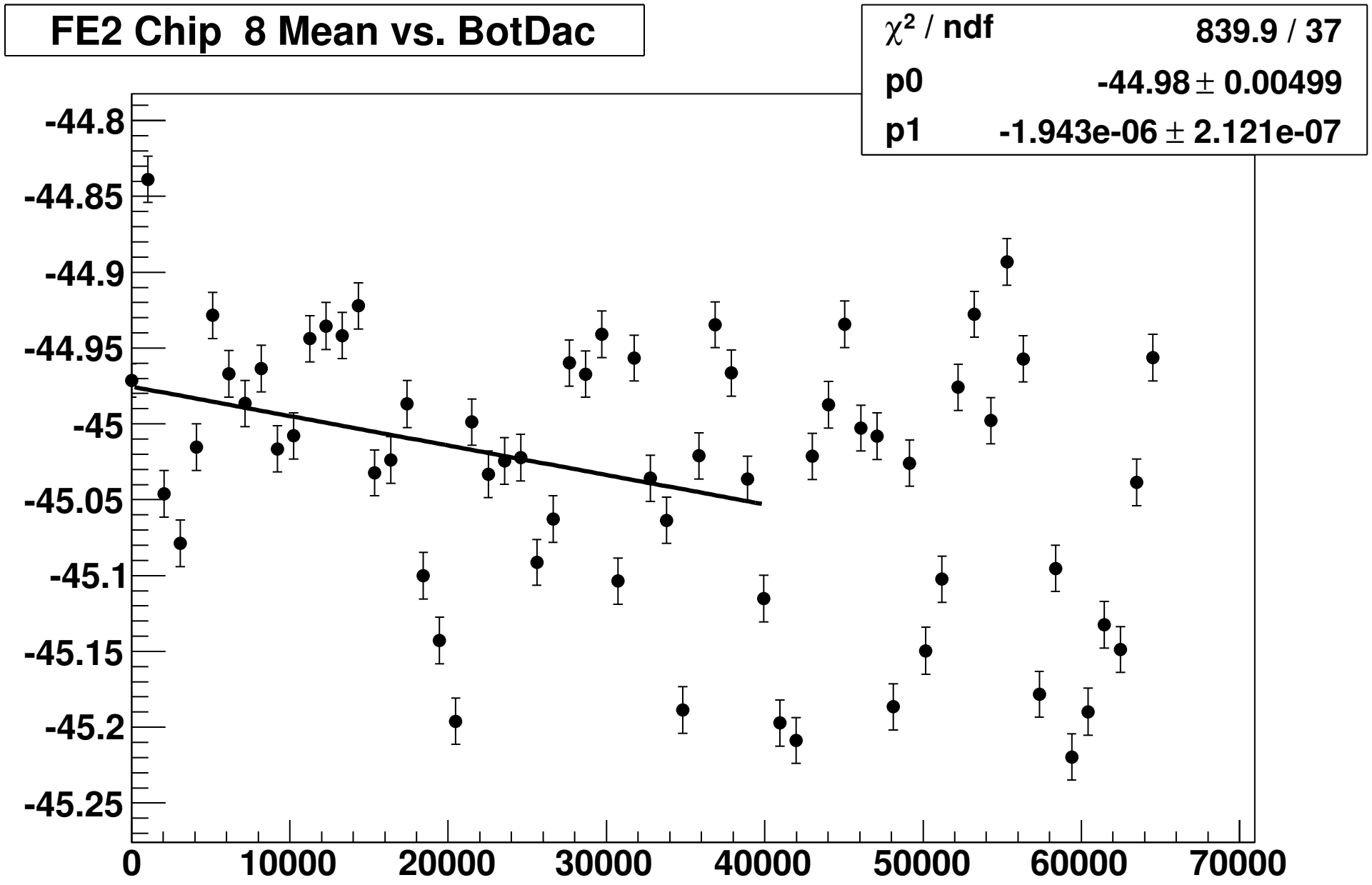

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 860.1 / 37
p0 1.344 ± 0.002762
p1 3.405e-05 ± 1.996e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 867.8 / 37
p0 -36.5 ± 0.005152
p1 -2.354e-06 ± 2.189e-07
-36.3
-36.4
-36.5
-36.6
-36.7
-36.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 38.96 / 37
p0 1.484 ± 0.001787
p1 6.472e-14 ± 1.982e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 6.537e+04 / 37
p0 -39.39 ± 0.005072
p1 0.4519 ± 2.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1404 / 37
p0 1.362 ± 0.002798
p1 3.495e-05 ± 2.006e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 839.9 / 37
p0 -44.98 ± 0.00499
p1 -1.943e-06 ± 2.121e-07
-44.8
-44.85
-44.9
-44.95
-45
-45.05
-45.1
-45.15
-45.2
-45.25
0
10000
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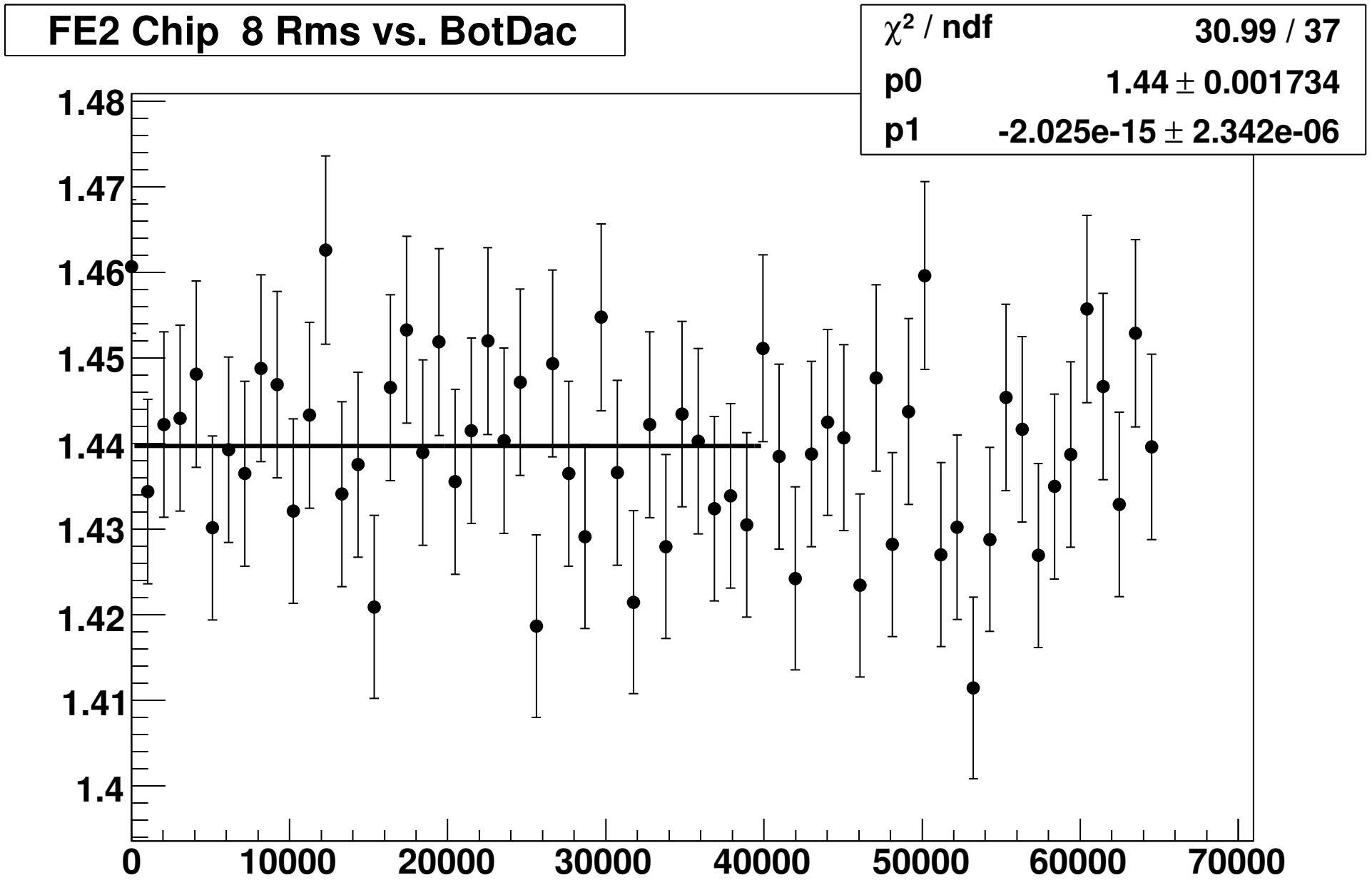
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 30.99 / 37
p0 1.44 ± 0.001734
p1 -2.025e-15 ± 2.342e-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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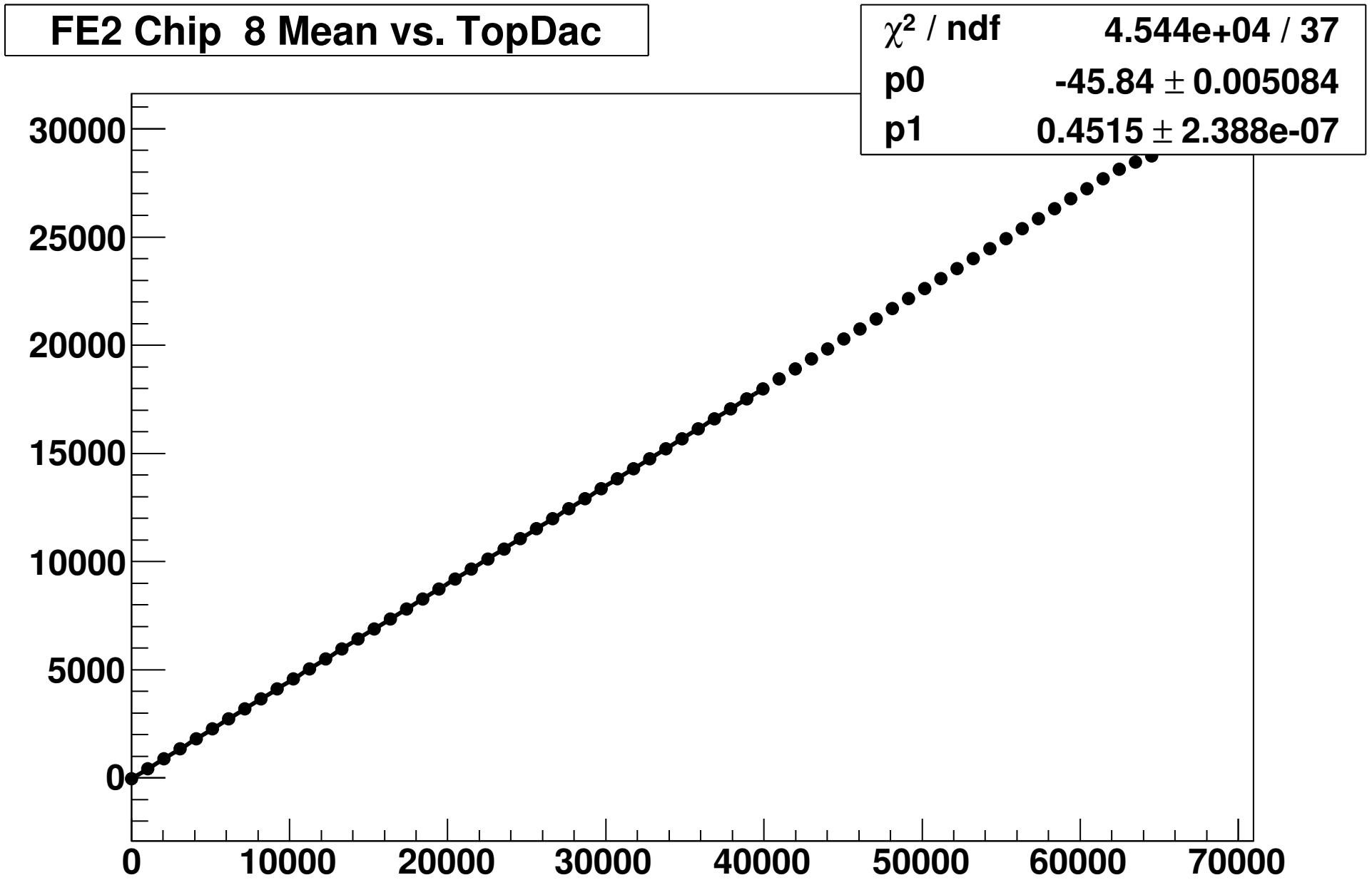
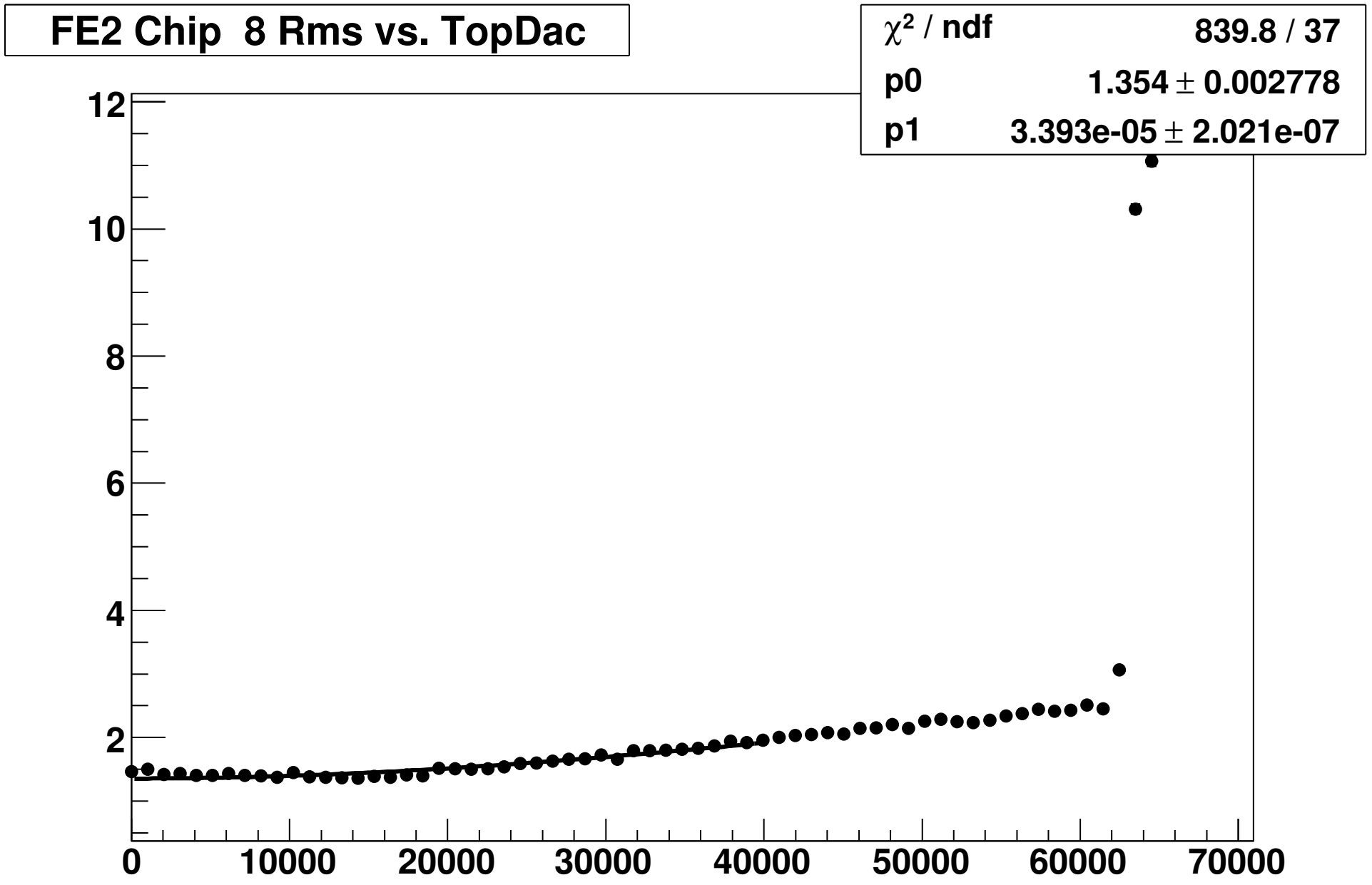
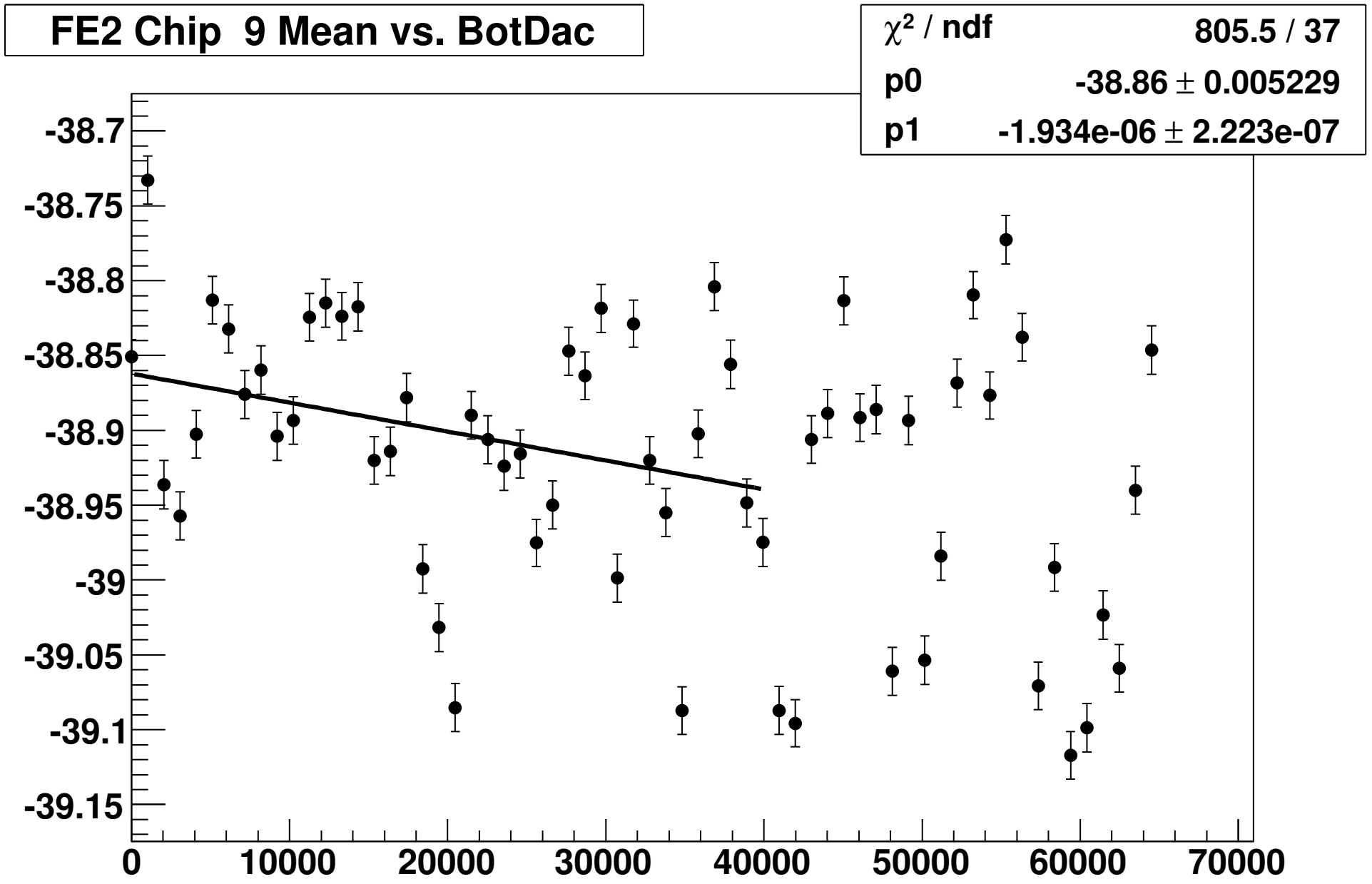
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 4.544e+04 / 37
p0 -45.84 ± 0.005084
p1 0.4515 ± 2.388e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 839.8 / 37
p0 1.354 ± 0.002778
p1 3.393e-05 ± 2.021e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 805.5 / 37
p0 -38.86 ± 0.005229
p1 -1.934e-06 ± 2.223e-07
-38.7
-38.75
-38.8
-38.85
-38.9
-38.95
-39
-39.05
-39.1
-39.15
0
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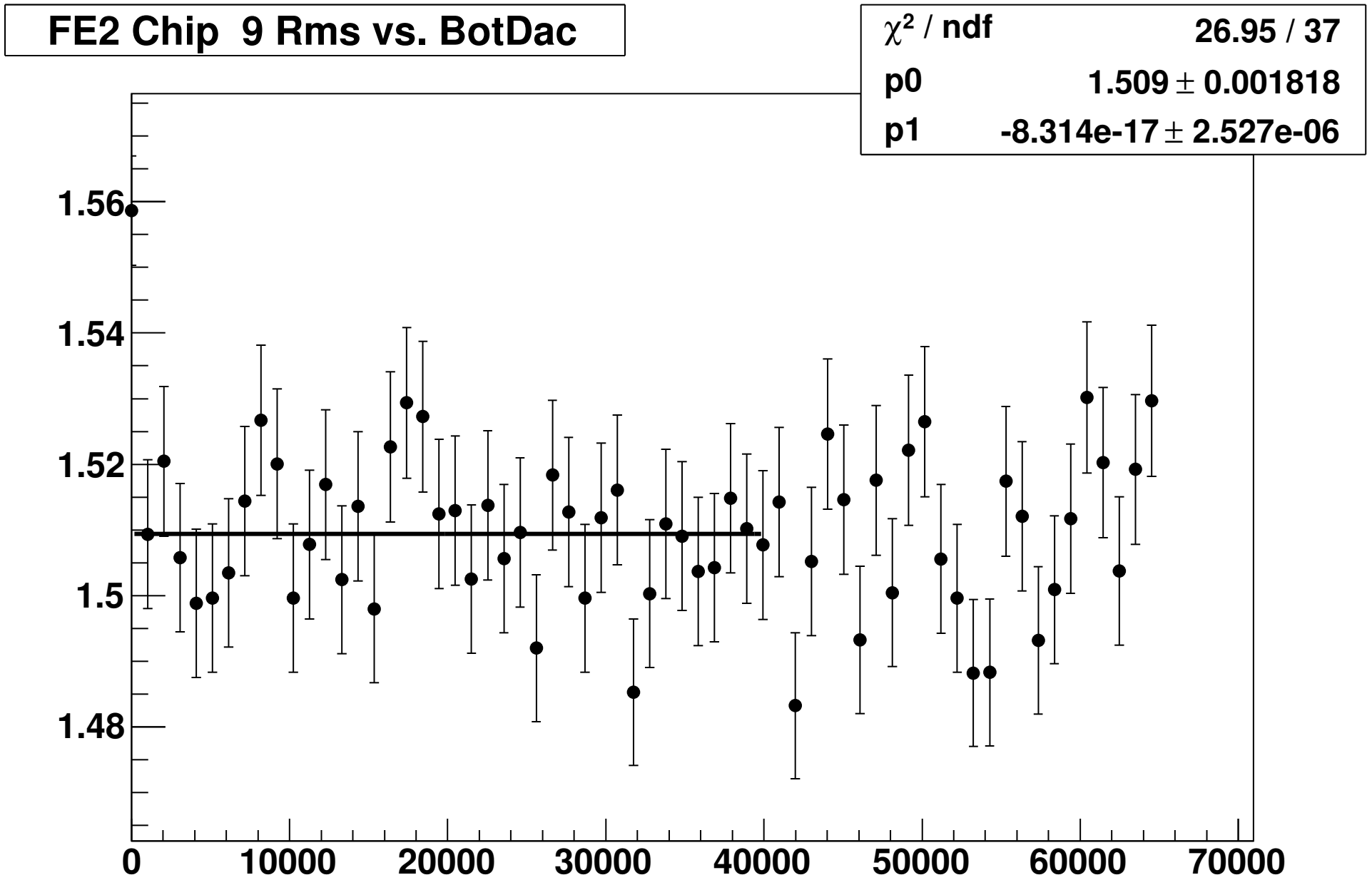
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 26.95 / 37
p0 1.509 ± 0.001818
p1 -8.314e-17 ± 2.527e-06
1.56
1.54
1.52
1.5
1.48
0
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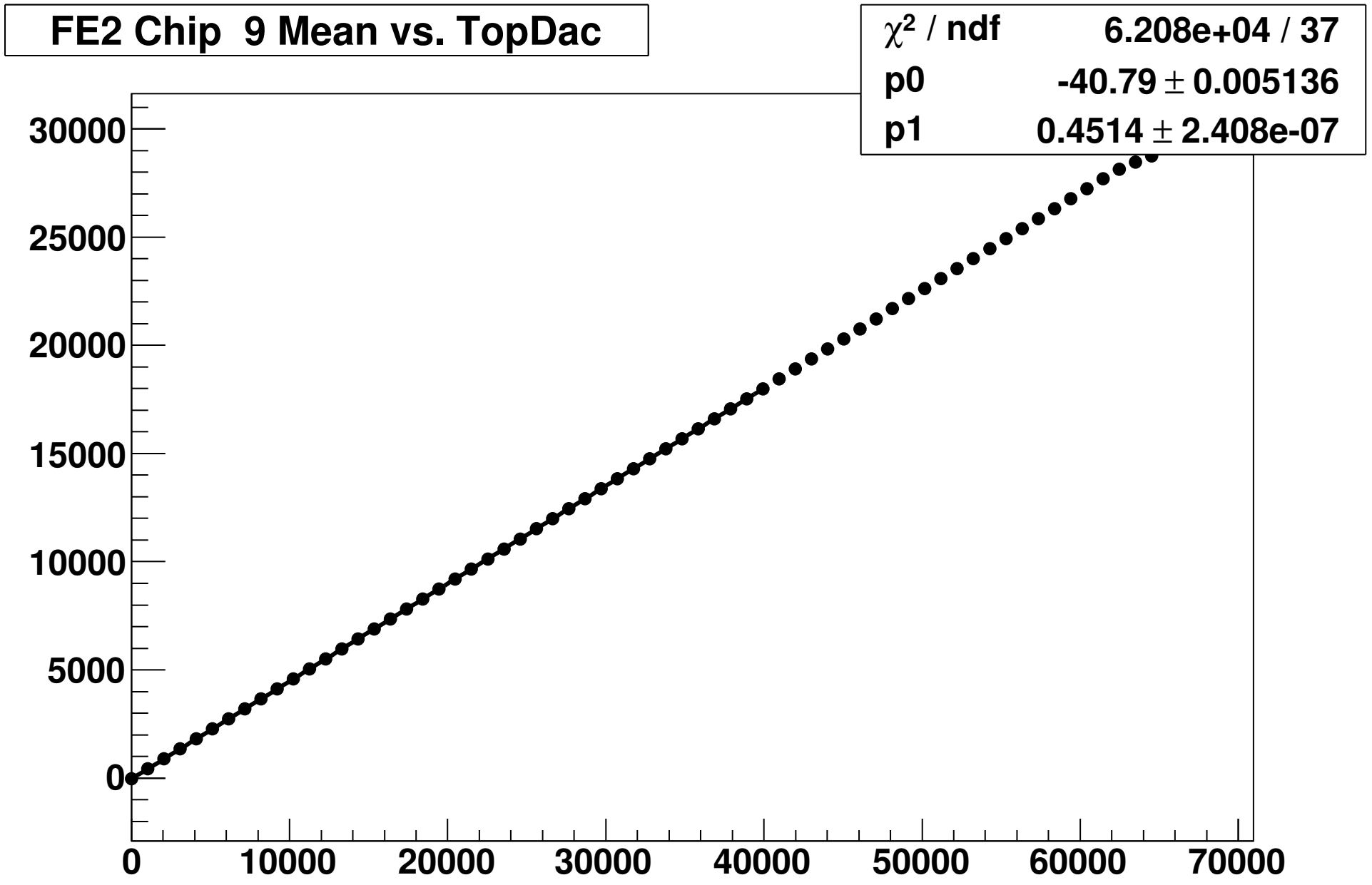
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 6.208e+04 / 37
p0 -40.79 ± 0.005136
p1 0.4514 ± 2.408e-07
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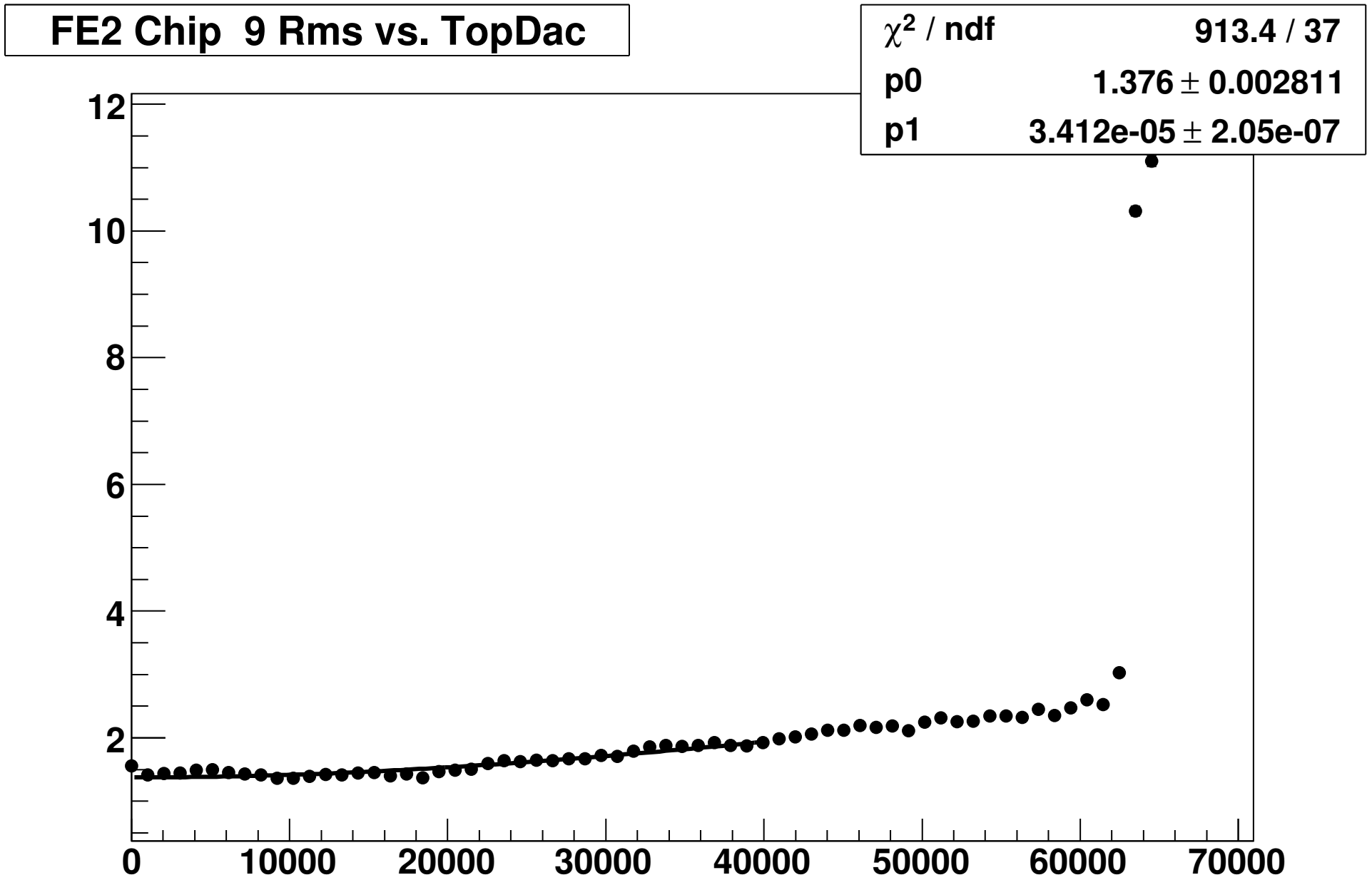
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 913.4 / 37
p0 1.376 ± 0.002811
p1 3.412e-05 ± 2.05e-07
12
10
8
6
4
2
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10000
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40000
50000
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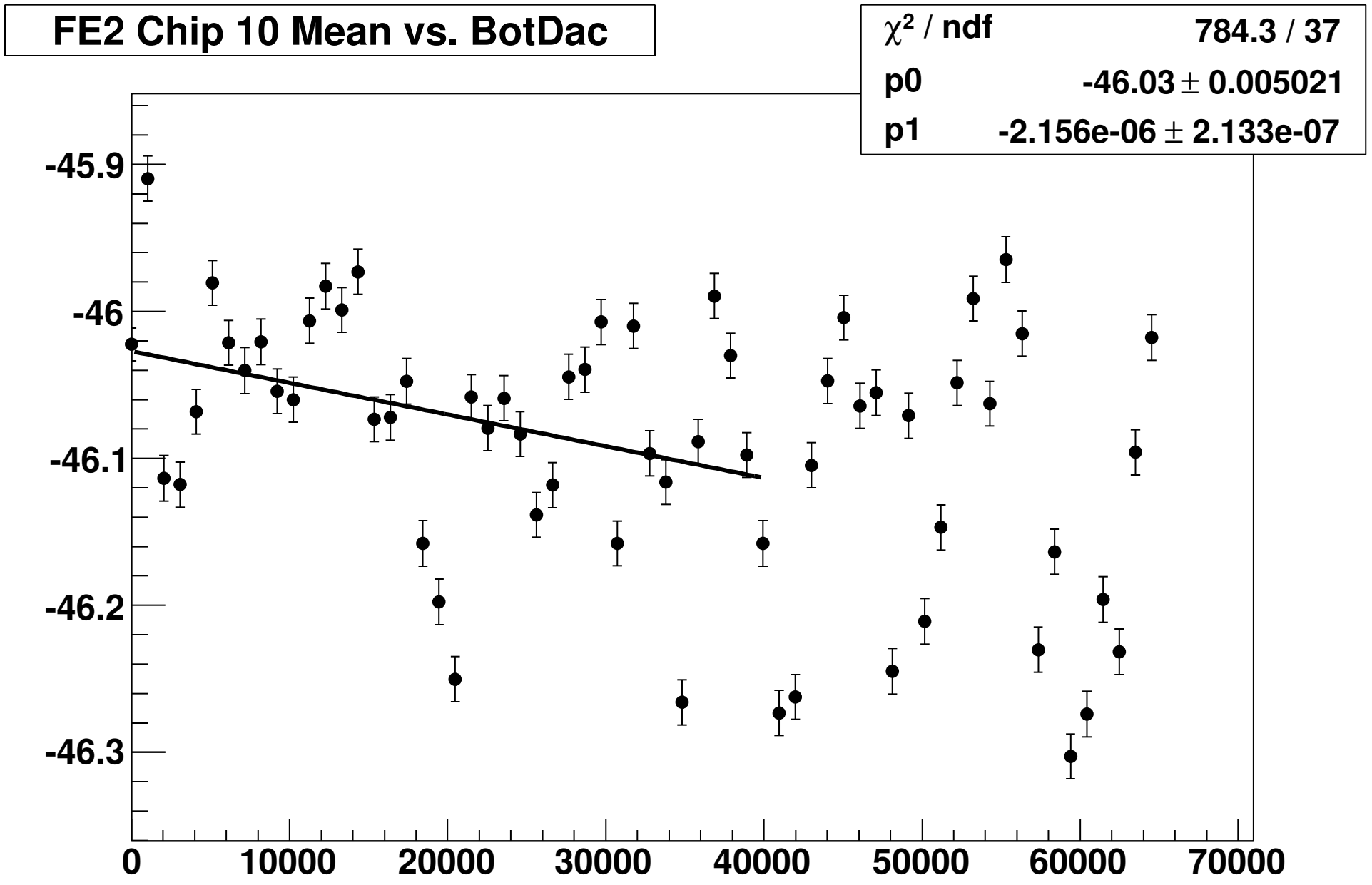
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 784.3 / 37
p0 -46.03 ± 0.005021
p1 -2.156e-06 ± 2.133e-07
-45.9
-46
-46.1
-46.2
-46.3
0
10000
20000
30000
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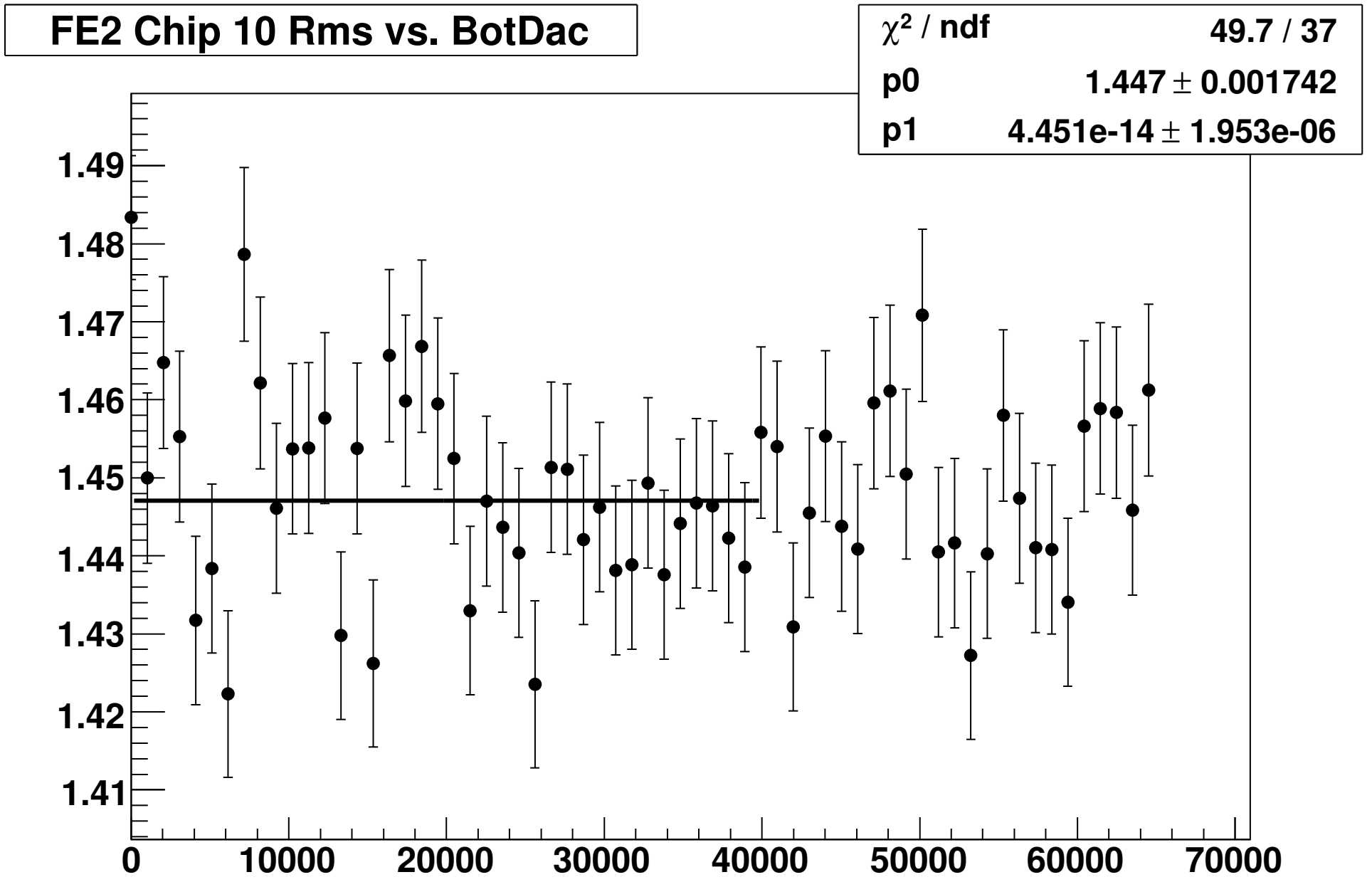
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 49.7 / 37
p0 1.447 ± 0.001742
p1 4.451e-14 ± 1.953e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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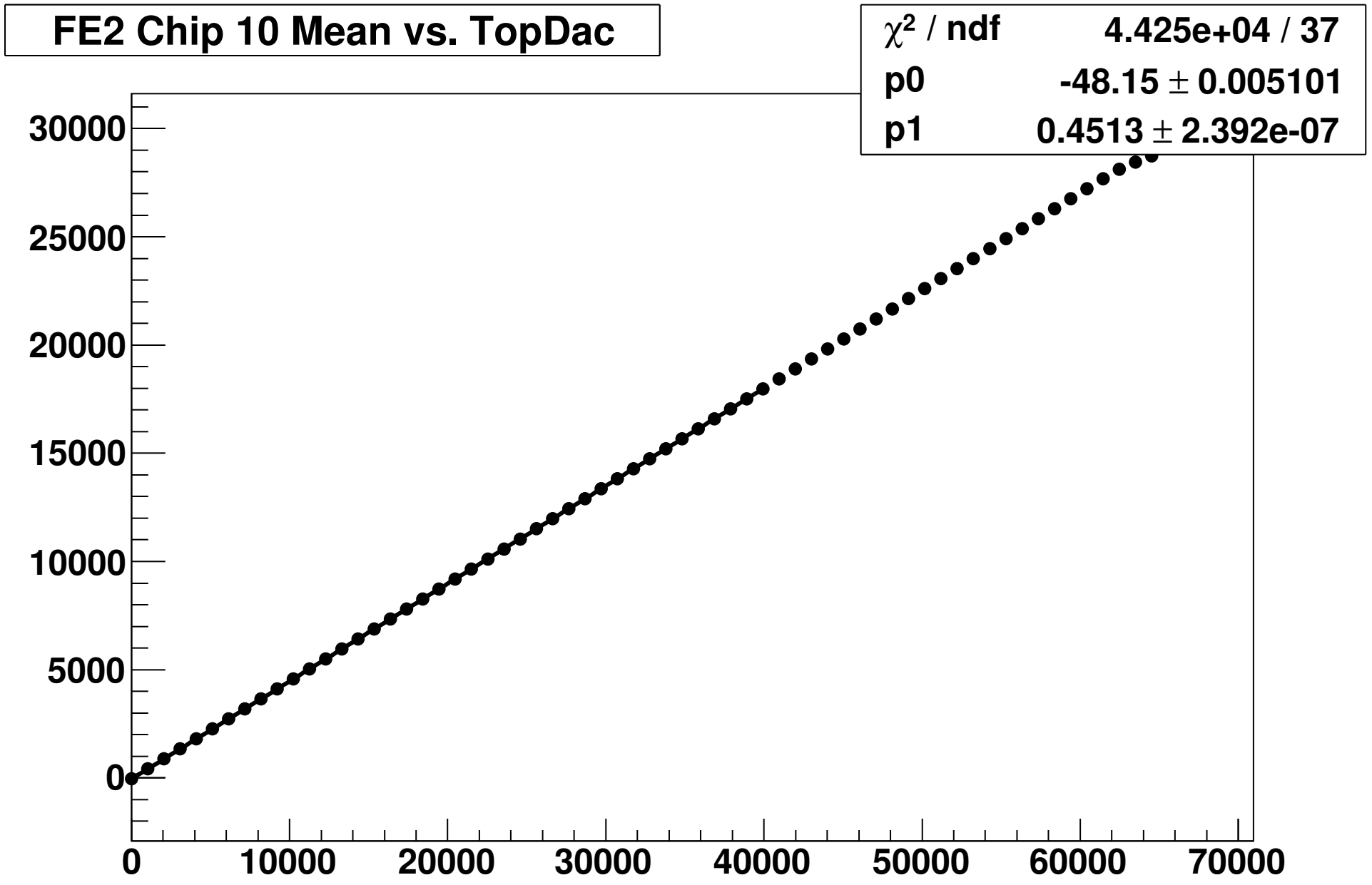
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 4.425e+04 / 37
p0 -48.15 ± 0.005101
p1 0.4513 ± 2.392e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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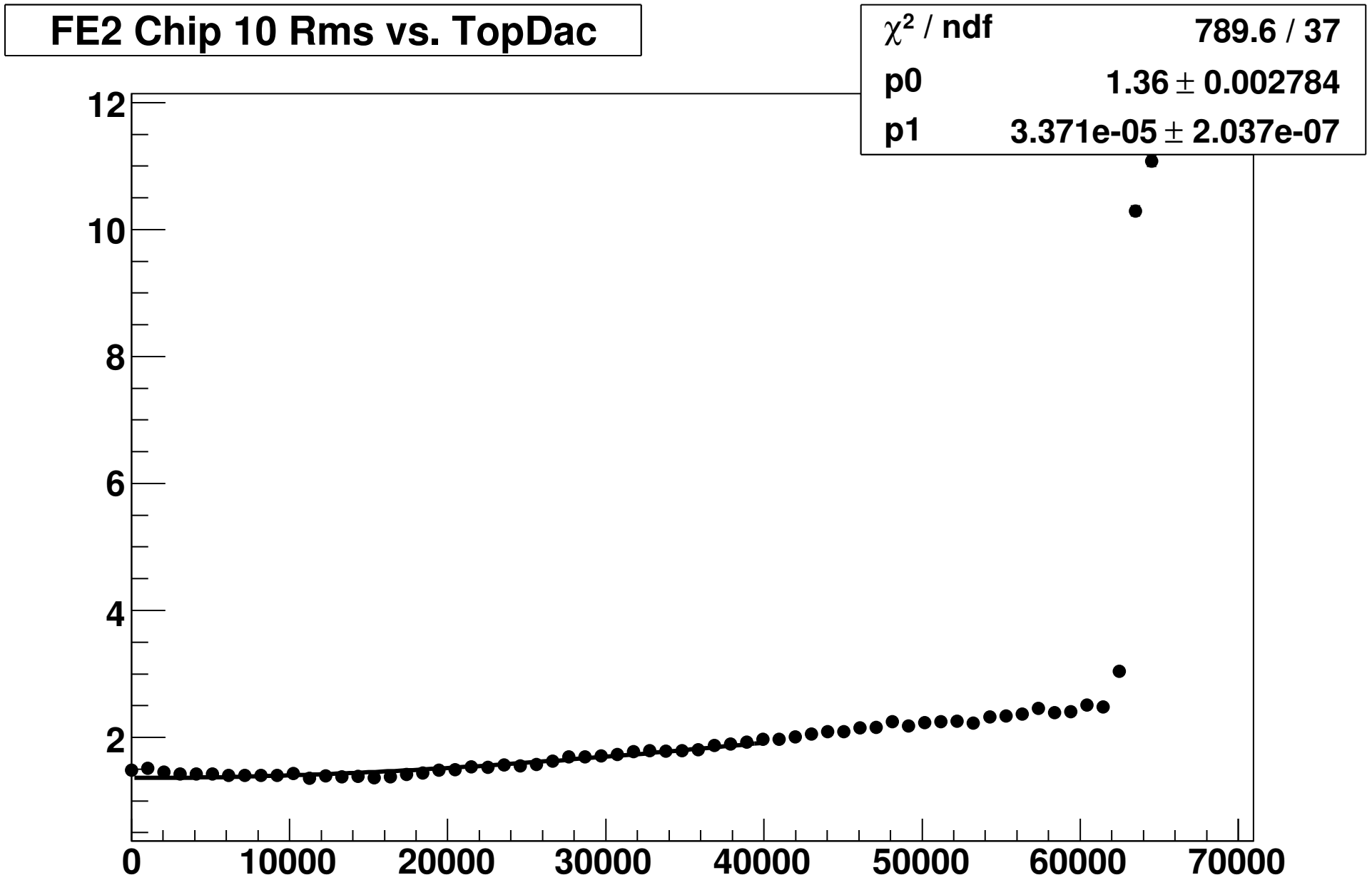
FE2 Chip 10 Rms vs. TopDac
χ² / ndf 789.6 / 37
p0 1.36 ± 0.002784
p1 3.371e-05 ± 2.037e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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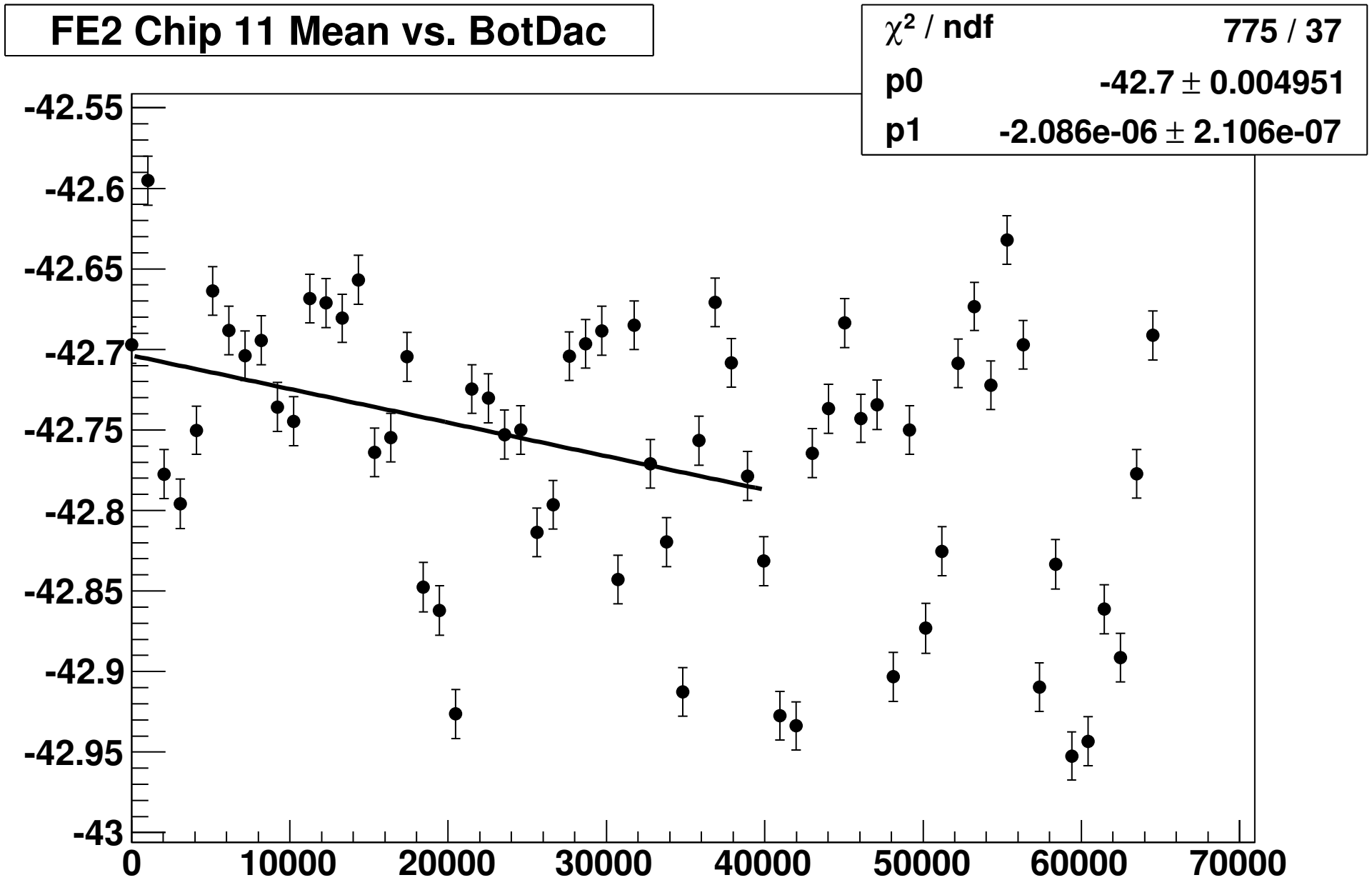
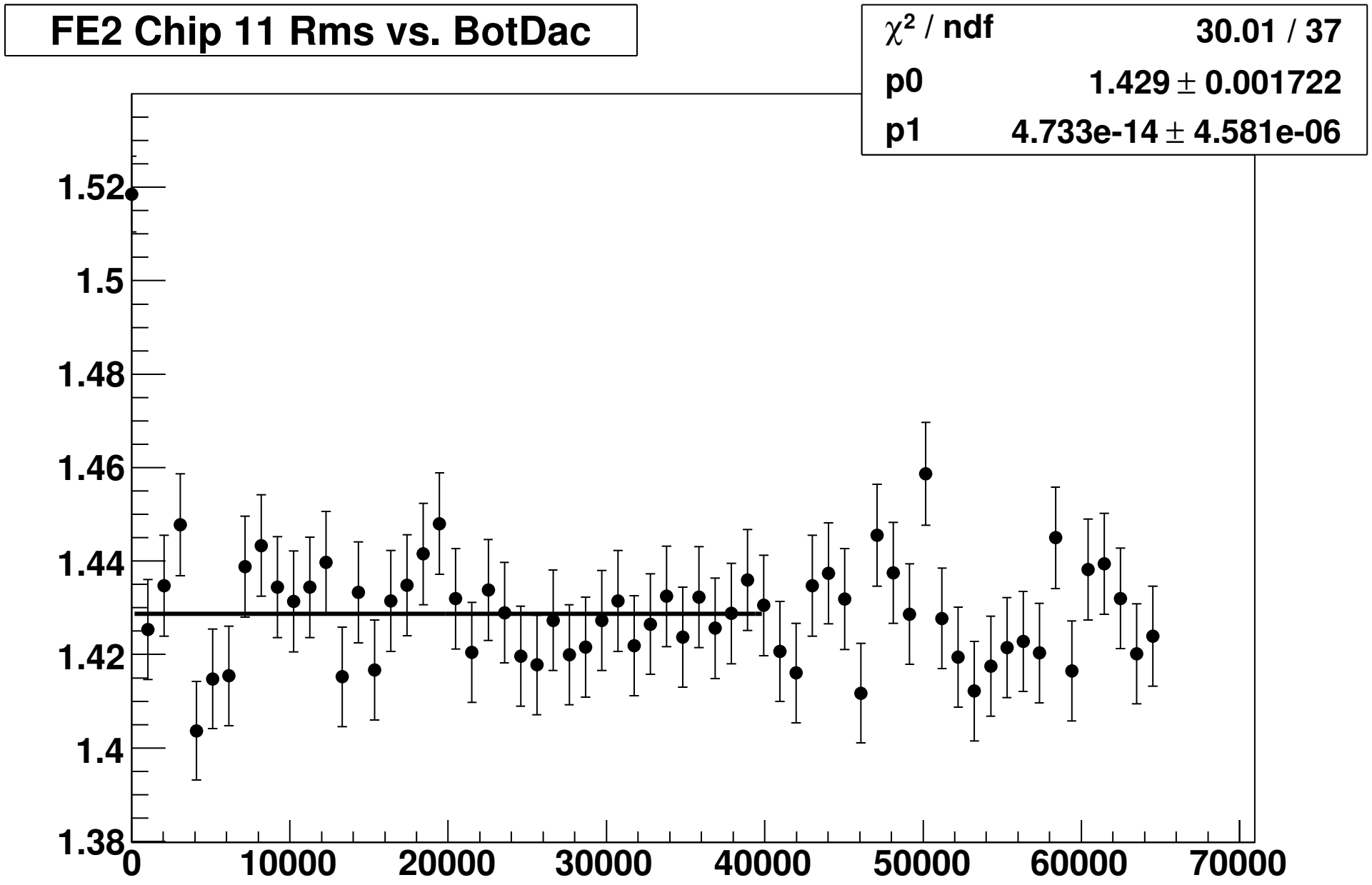

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 775 / 37
p0 -42.7 ± 0.004951
p1 -2.086e-06 ± 2.106e-07
-42.55
-42.6
-42.65
-42.7
-42.75
-42.8
-42.85
-42.9
-42.95
-43
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 30.01 / 37
p0 1.429 ± 0.001722
p1 4.733e-14 ± 4.581e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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50000
60000
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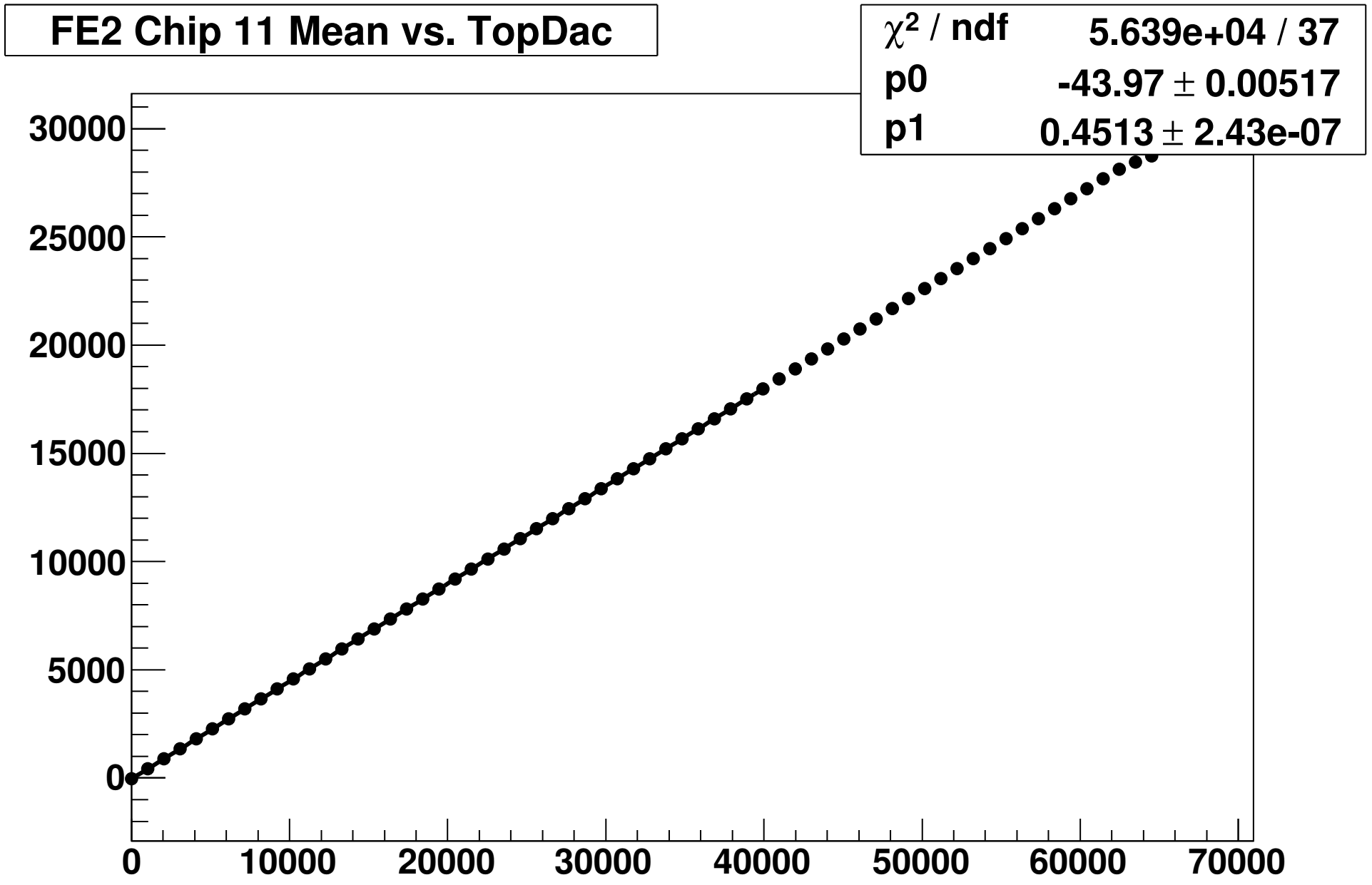
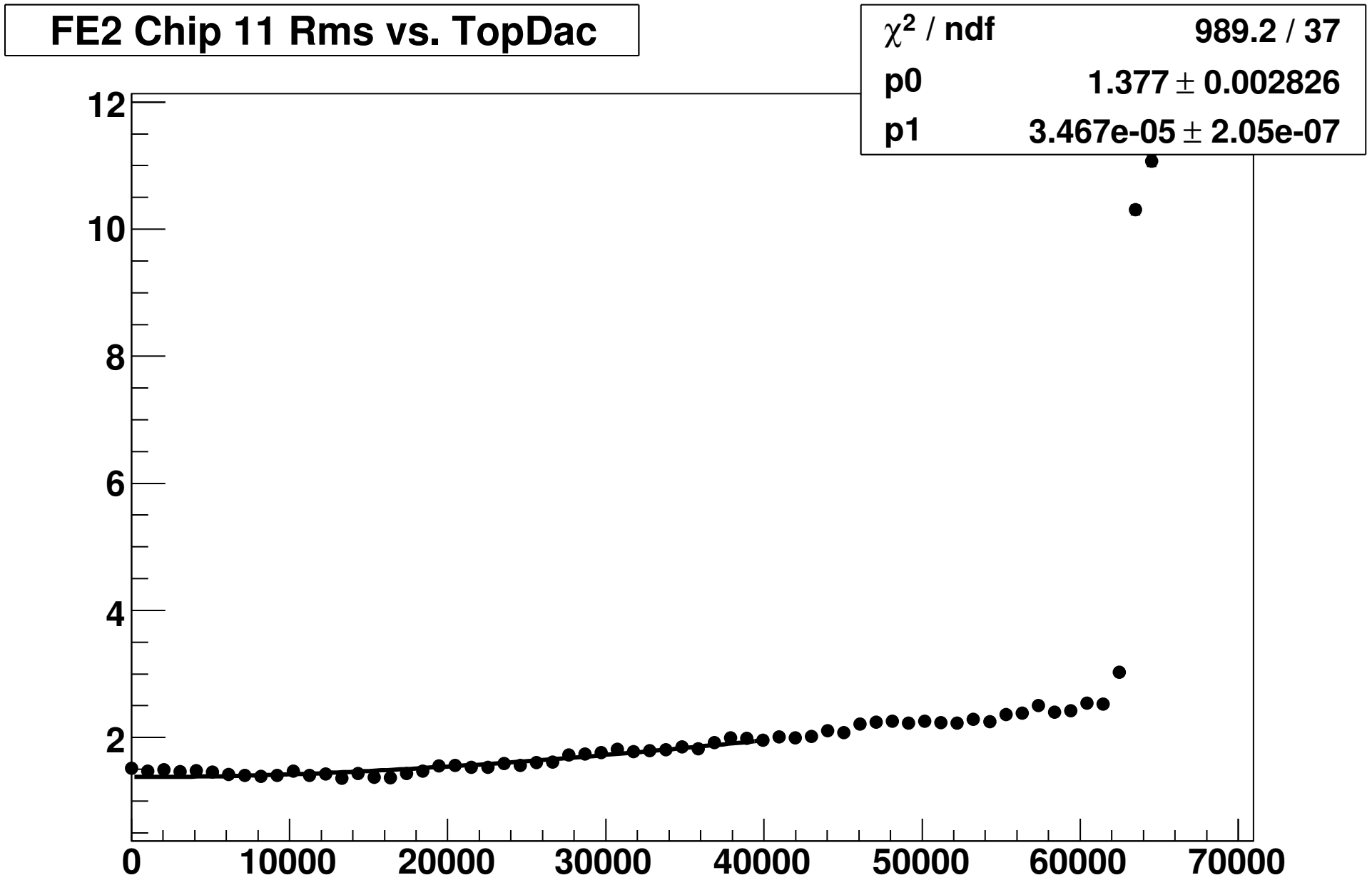
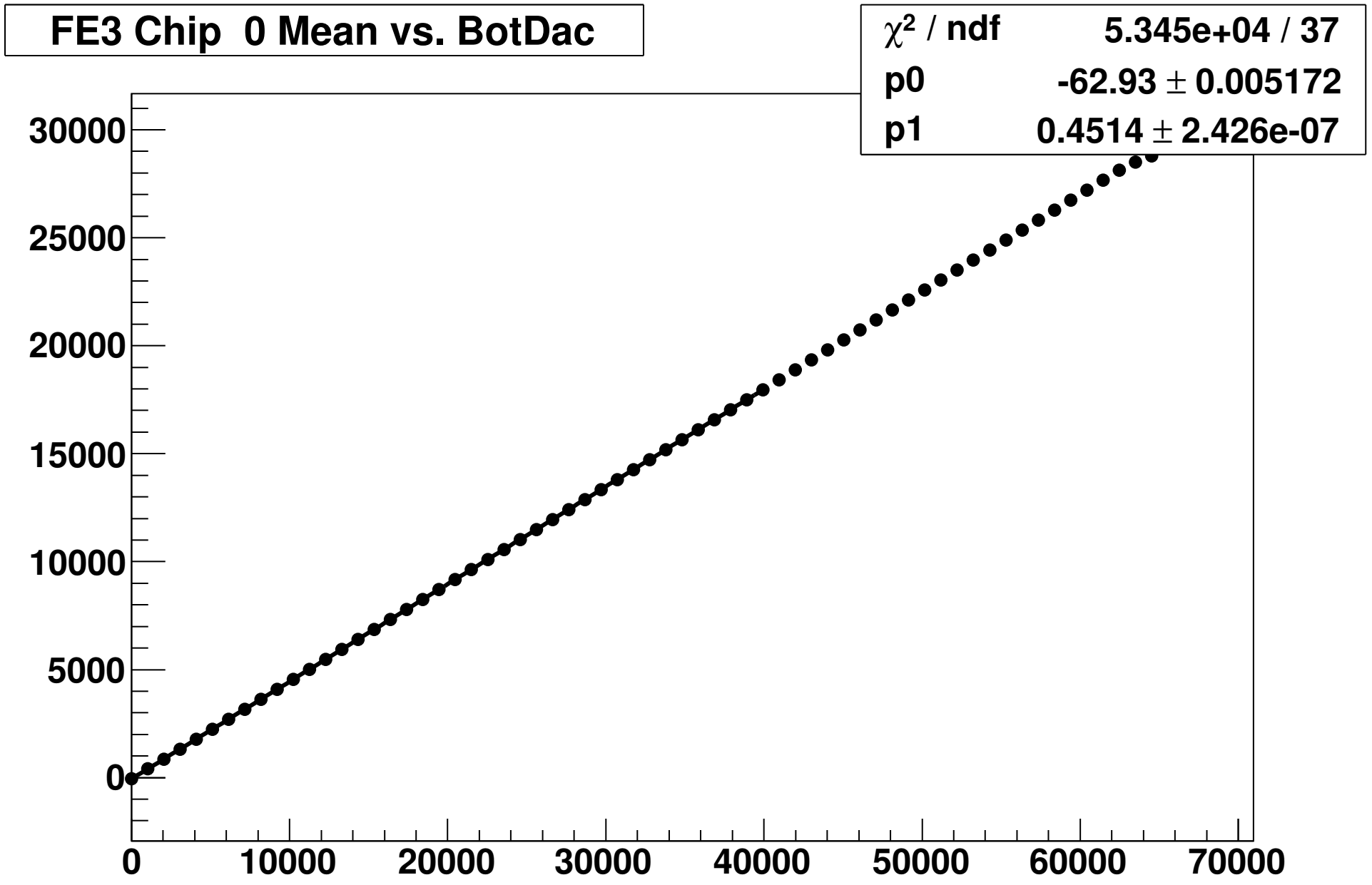
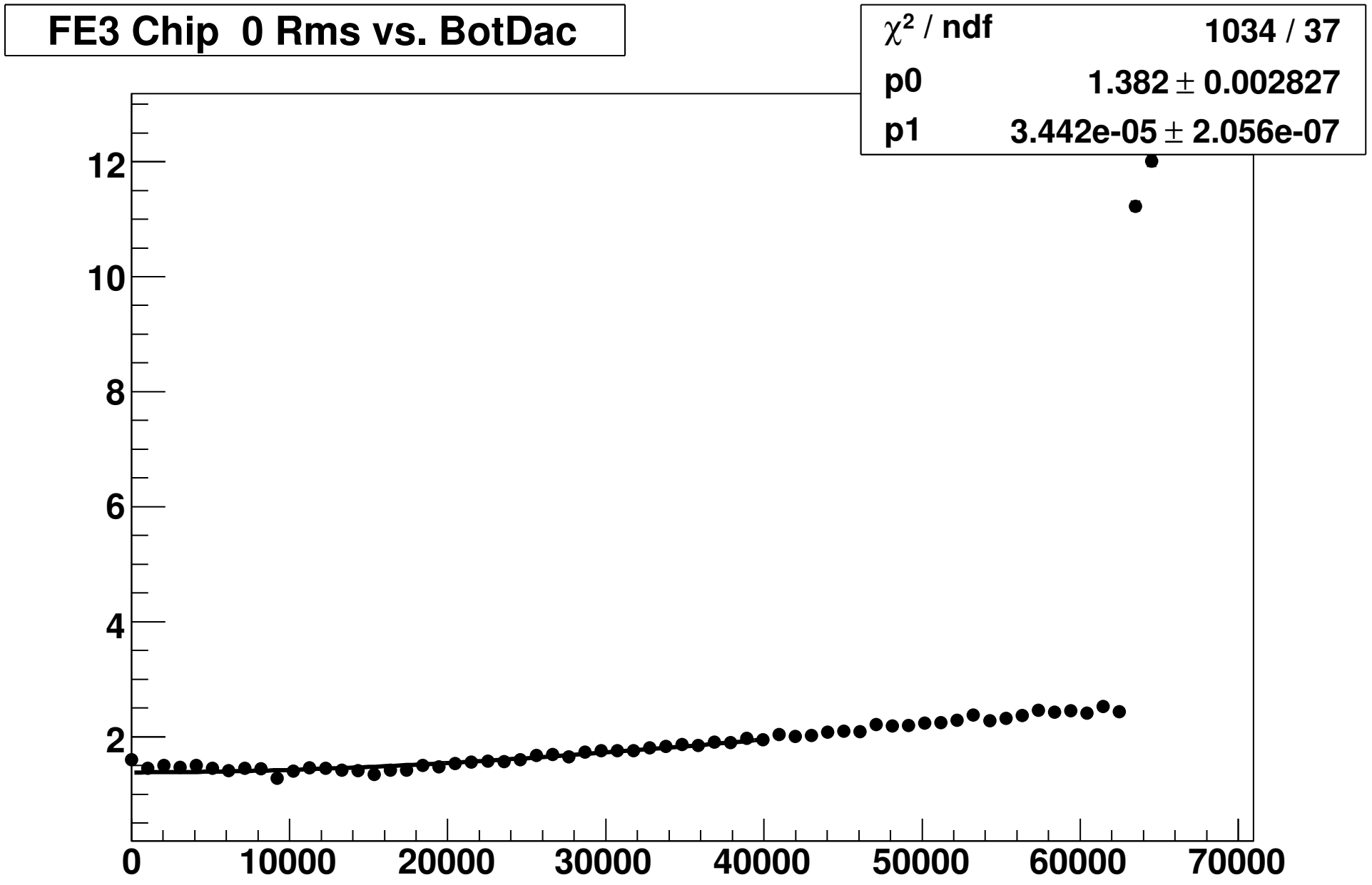
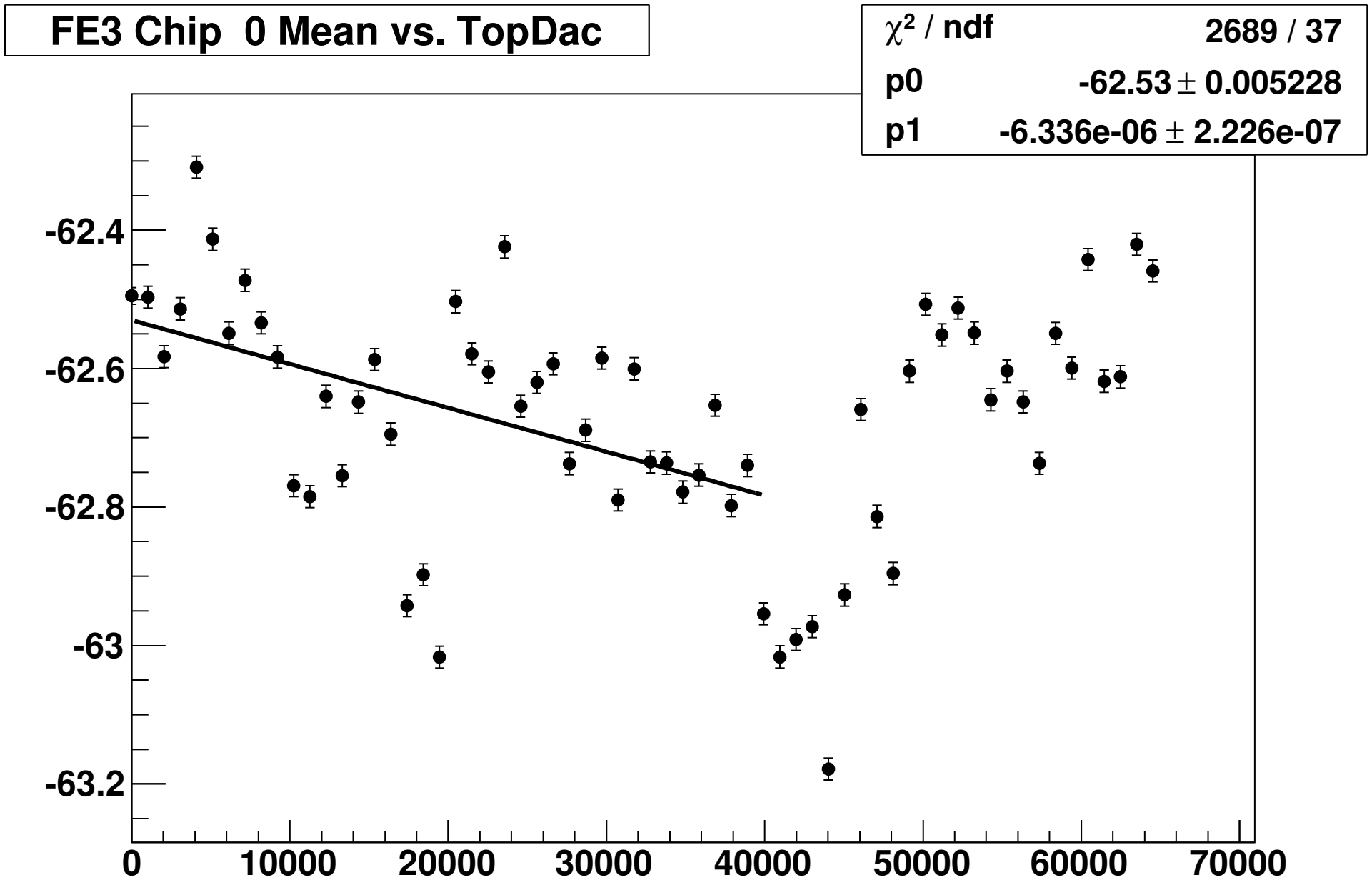
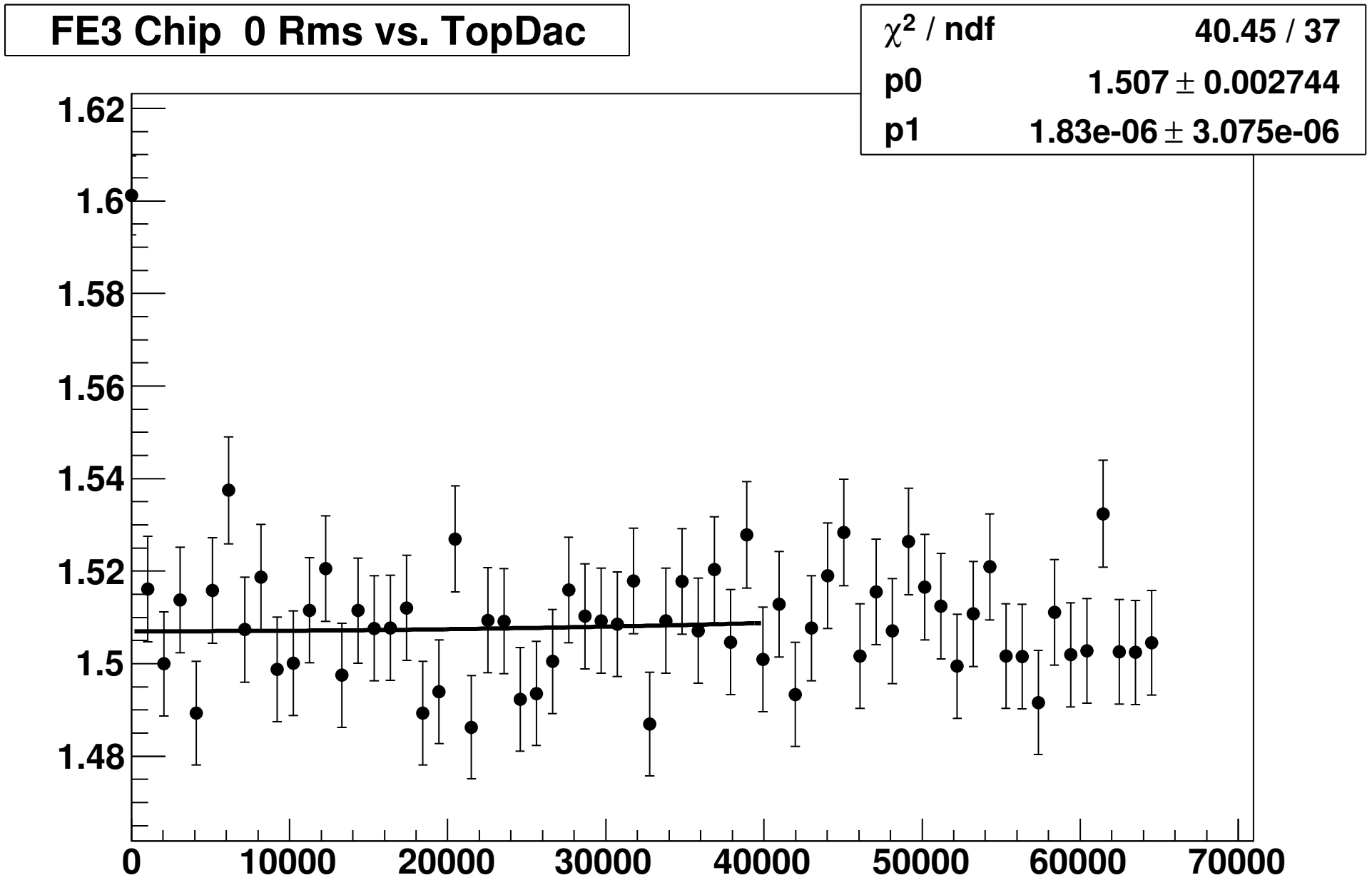

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 5.639e+04 / 37
p0 -43.97 ± 0.00517
p1 0.4513 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 989.2 / 37
p0 1.377 ± 0.002826
p1 3.467e-05 ± 2.05e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 5.345e+04 / 37
p0 -62.93 ± 0.005172
p1 0.4514 ± 2.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1034 / 37
p0 1.382 ± 0.002827
p1 3.442e-05 ± 2.056e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 2689 / 37
p0 -62.53 ± 0.005228
p1 -6.336e-06 ± 2.226e-07
-62.4
-62.6
-62.8
-63
-63.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 40.45 / 37
p0 1.507 ± 0.002744
p1 1.83e-06 ± 3.075e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
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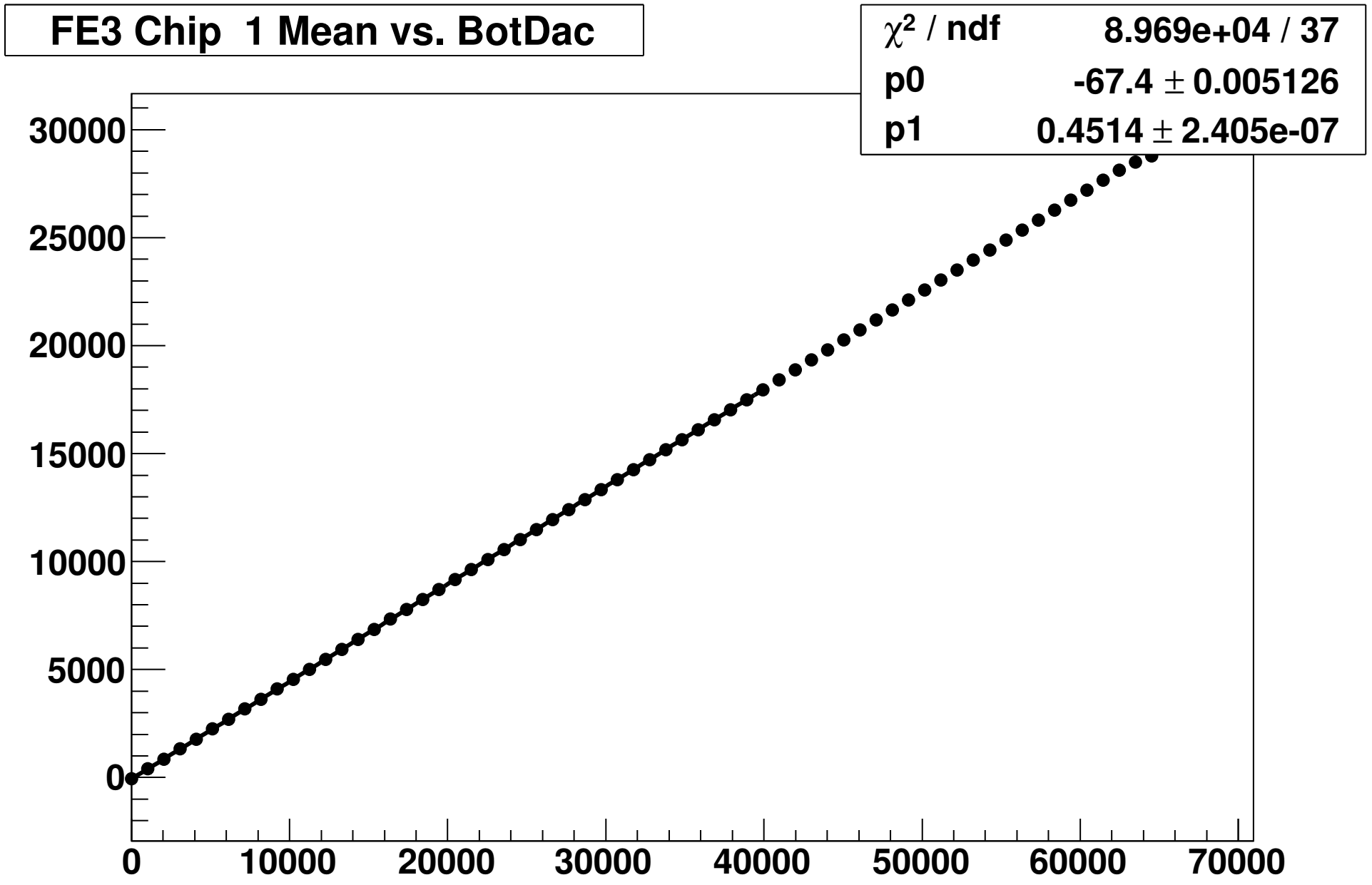
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 8.969e+04 / 37
p0 -67.4 ± 0.005126
p1 0.4514 ± 2.405e-07
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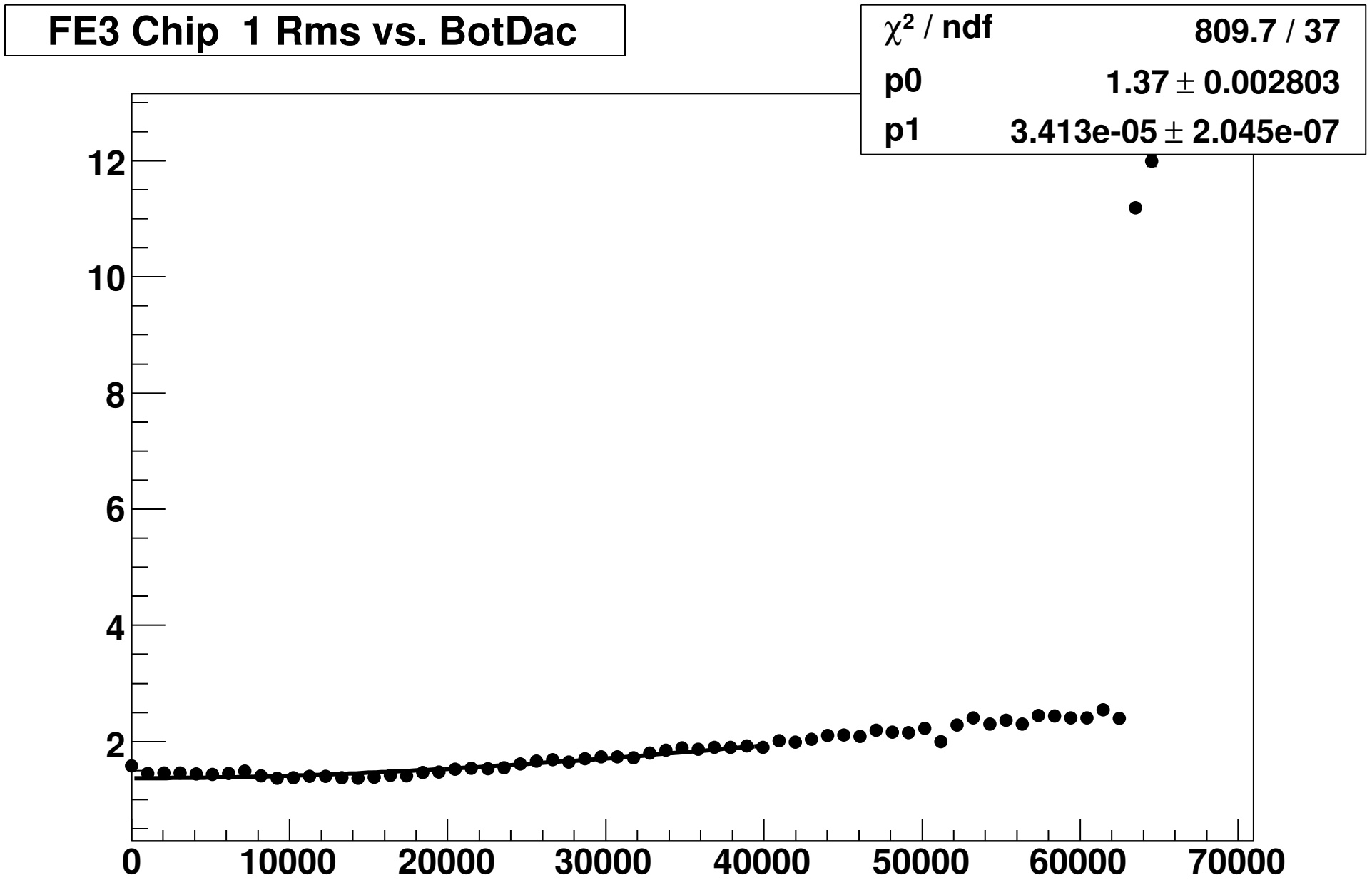
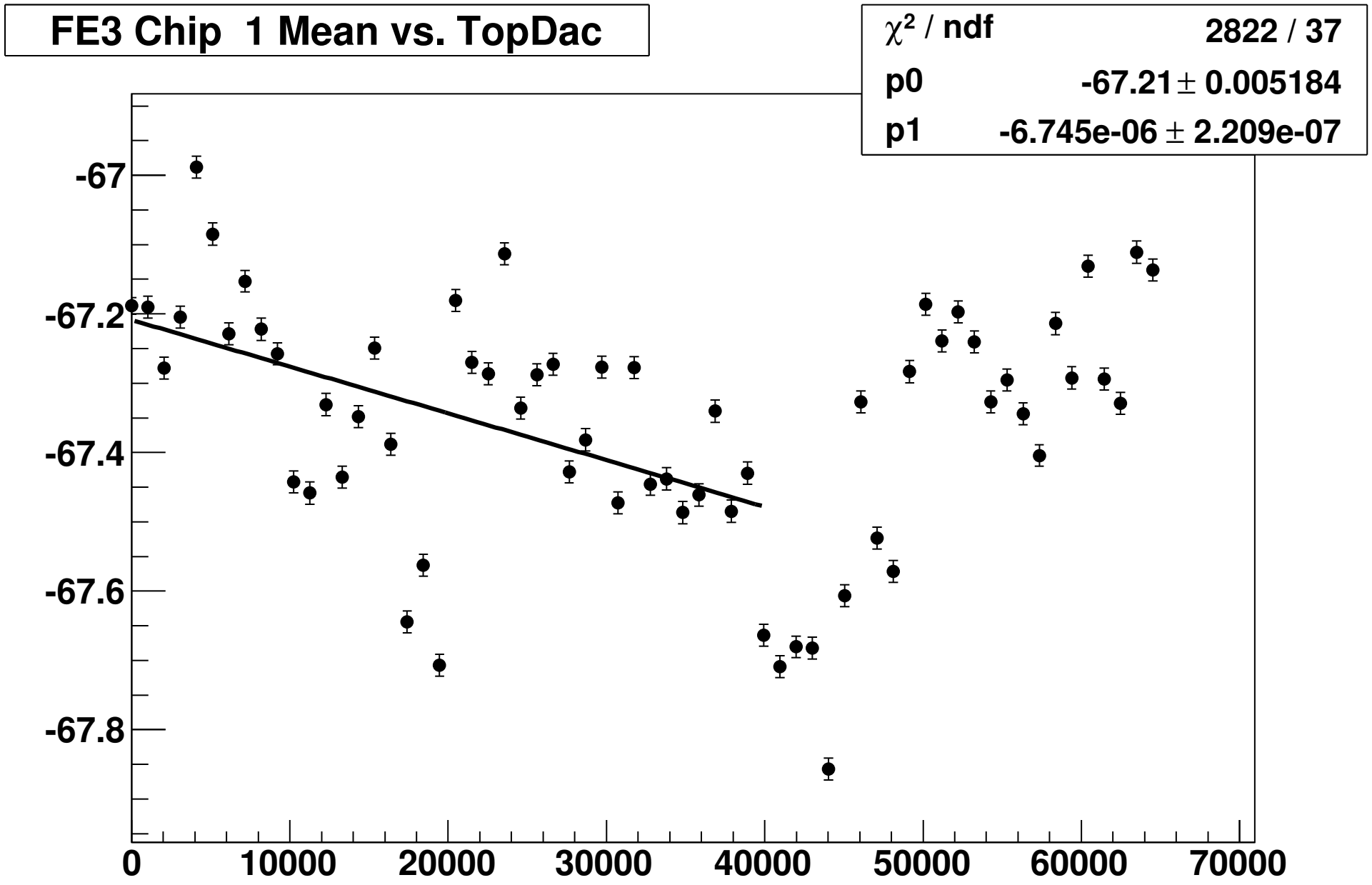
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 809.7 / 37
p0 1.37 ± 0.002803
p1 3.413e-05 ± 2.045e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 2822 / 37
p0 -67.21 ± 0.005184
p1 -6.745e-06 ± 2.209e-07
-67
-67.2
-67.4
-67.6
-67.8
0
10000
20000
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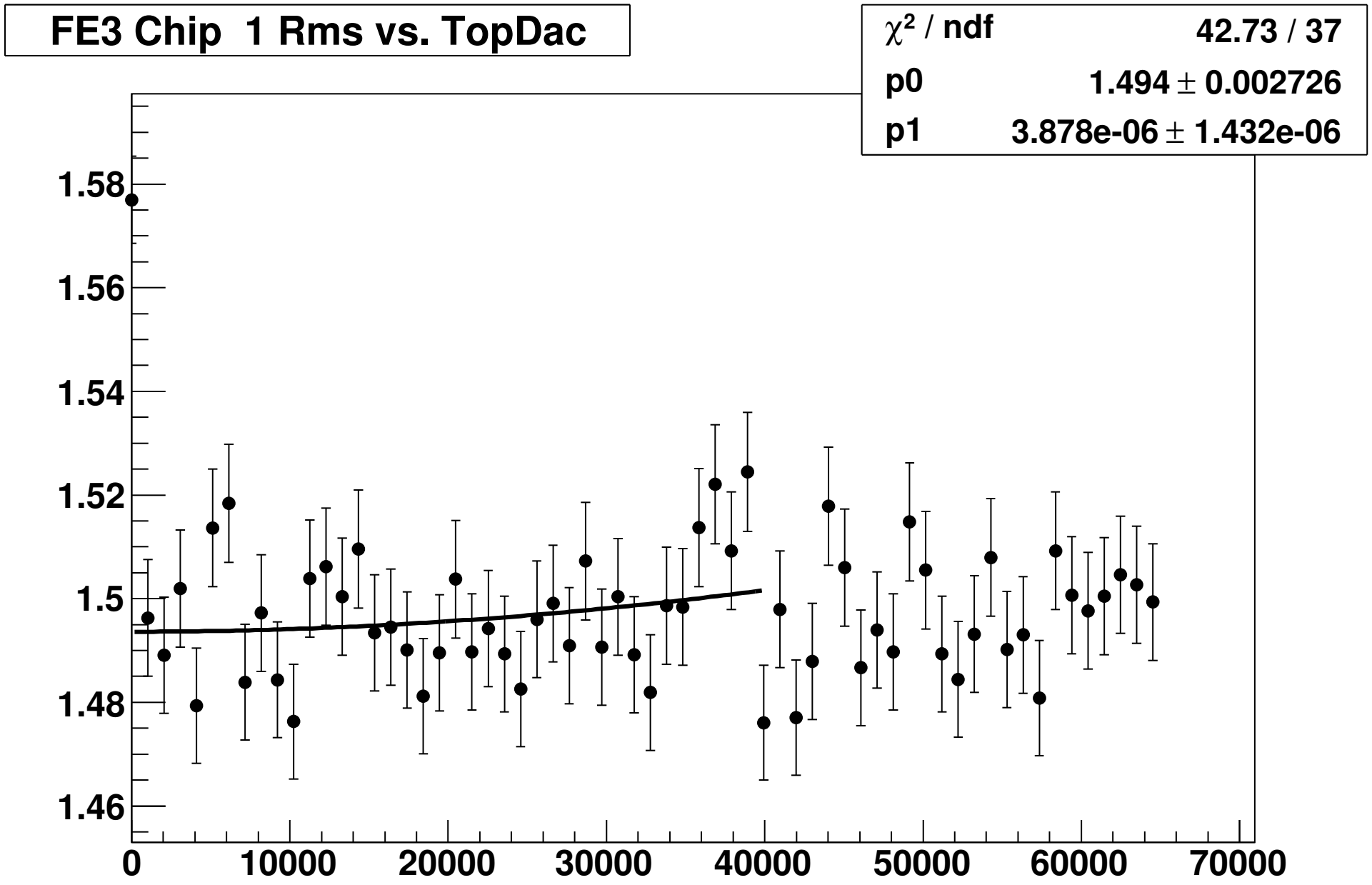
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 42.73 / 37
p0 1.494 ± 0.002726
p1 3.878e-06 ± 1.432e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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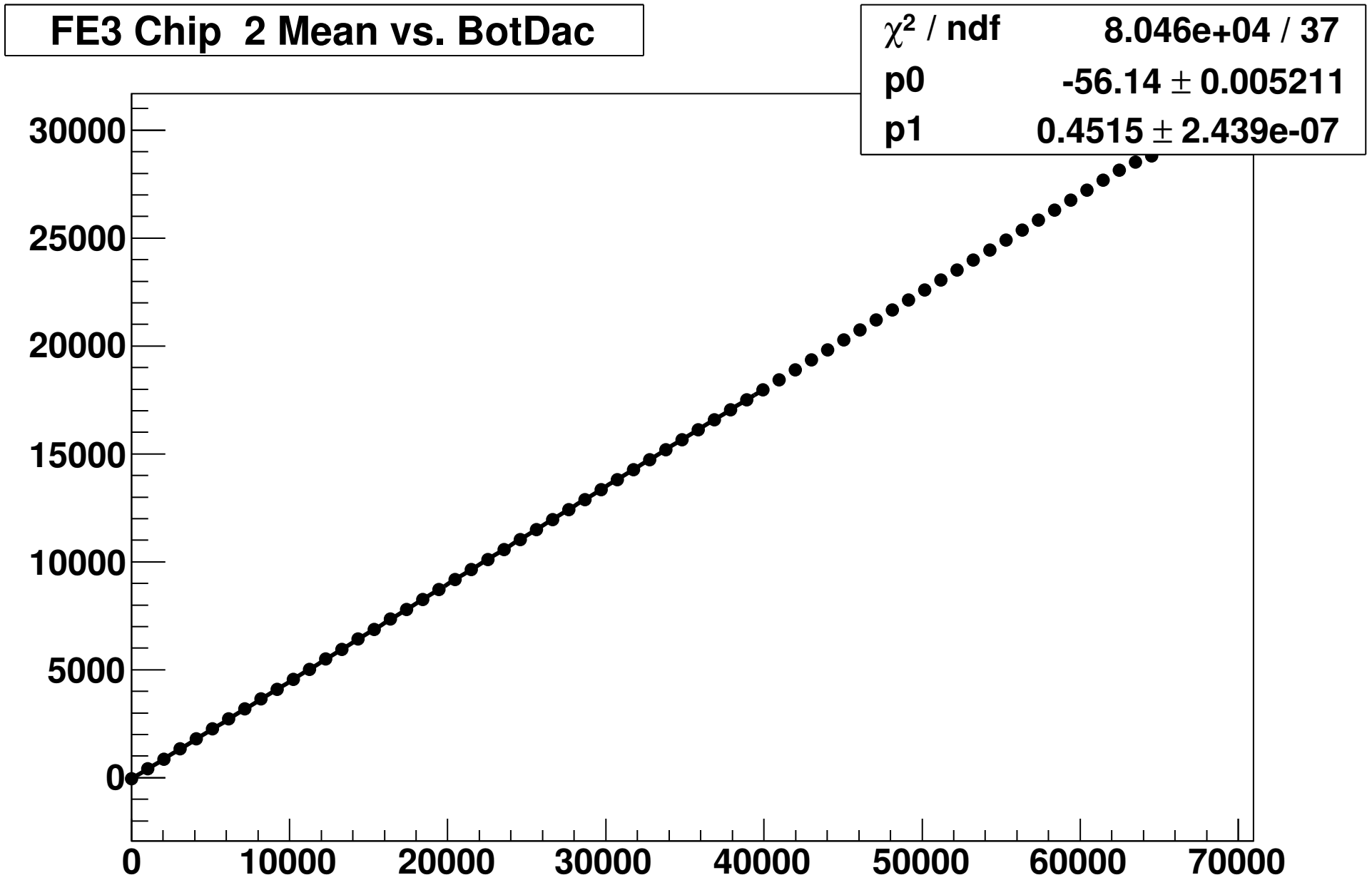
FE3 Chip 2 Mean vs. BotDac
χ² / ndf 8.046e+04 / 37
p0 -56.14 ± 0.005211
p1 0.4515 ± 2.439e-07
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25000
20000
15000
10000
5000
0
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10000
20000
30000
40000
50000
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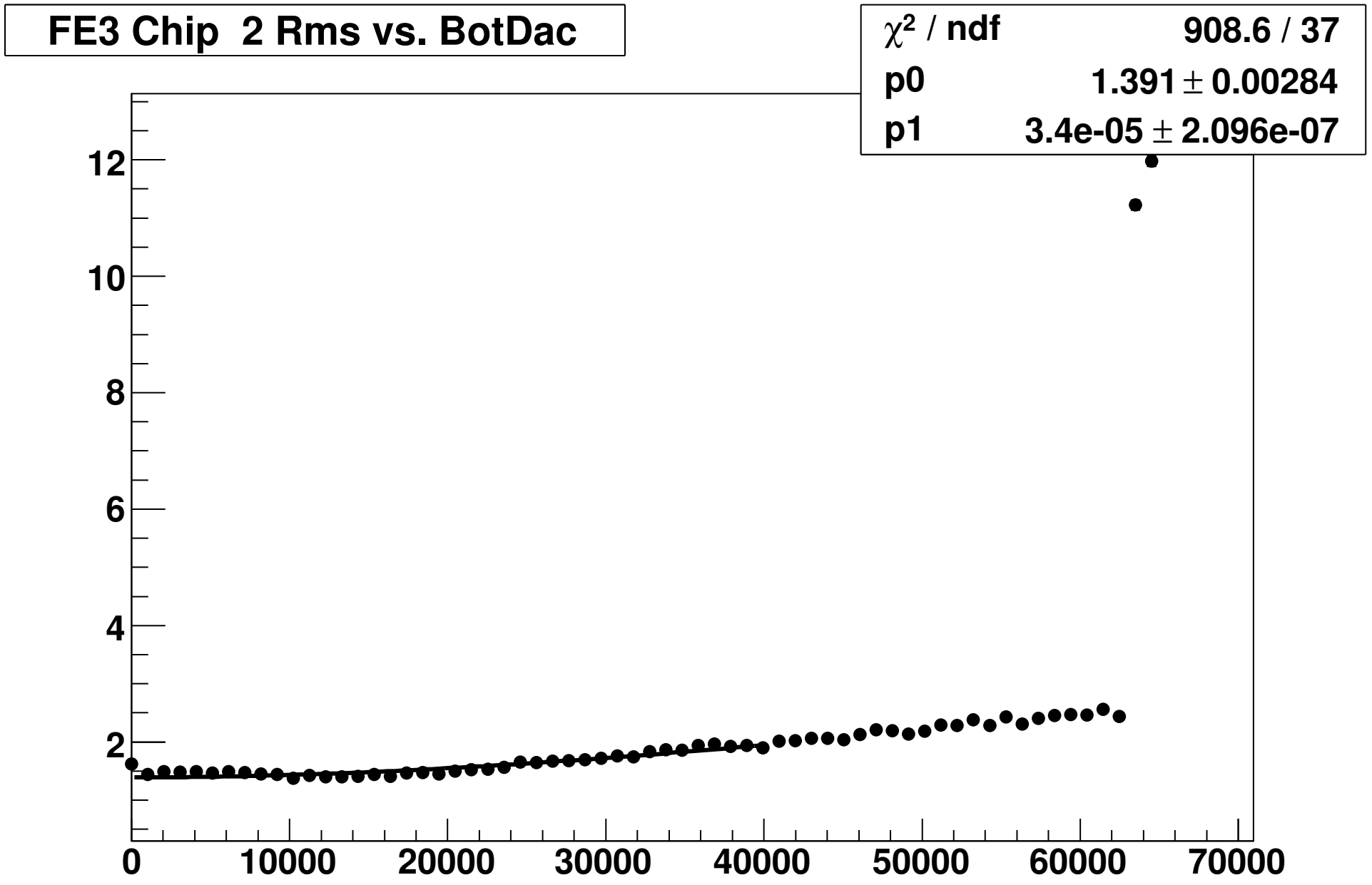
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 908.6 / 37
p0 1.391 ± 0.00284
p1 3.4e-05 ± 2.096e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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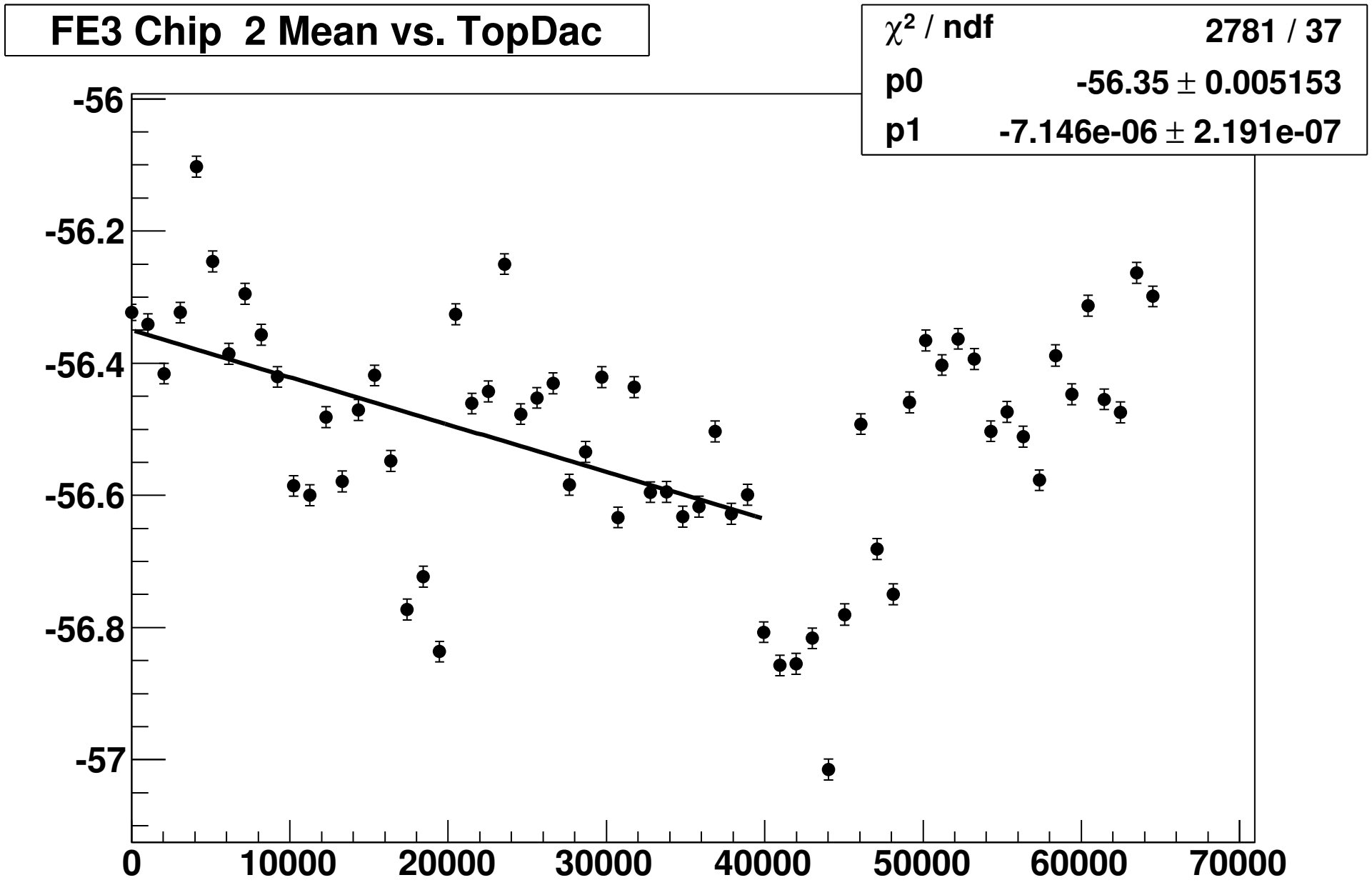
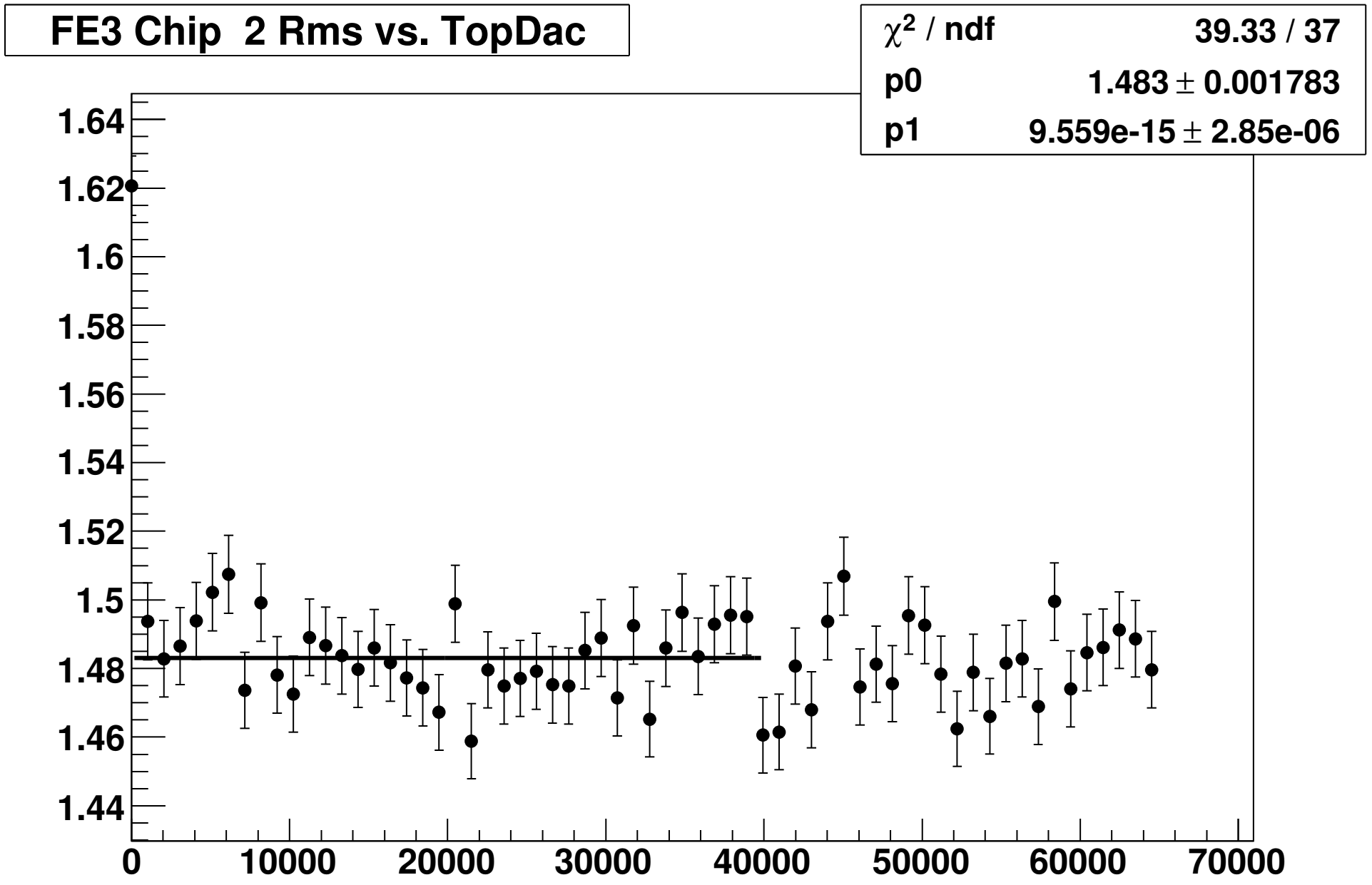
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 2781 / 37
p0 -56.35 ± 0.005153
p1 -7.146e-06 ± 2.191e-07
-56
-56.2
-56.4
-56.6
-56.8
-57
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 39.33 / 37
p0 1.483 ± 0.001783
p1 9.559e-15 ± 2.85e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
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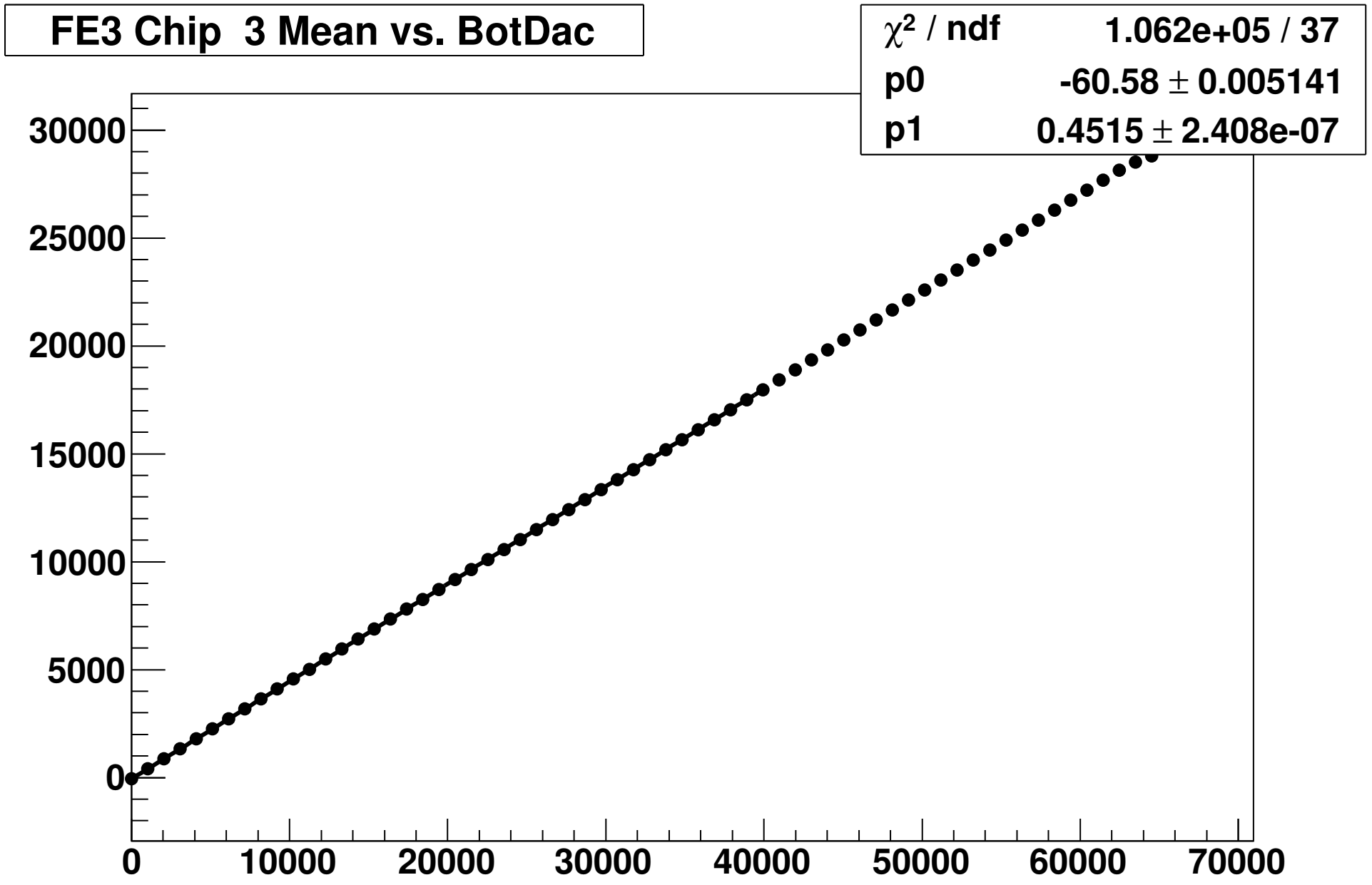
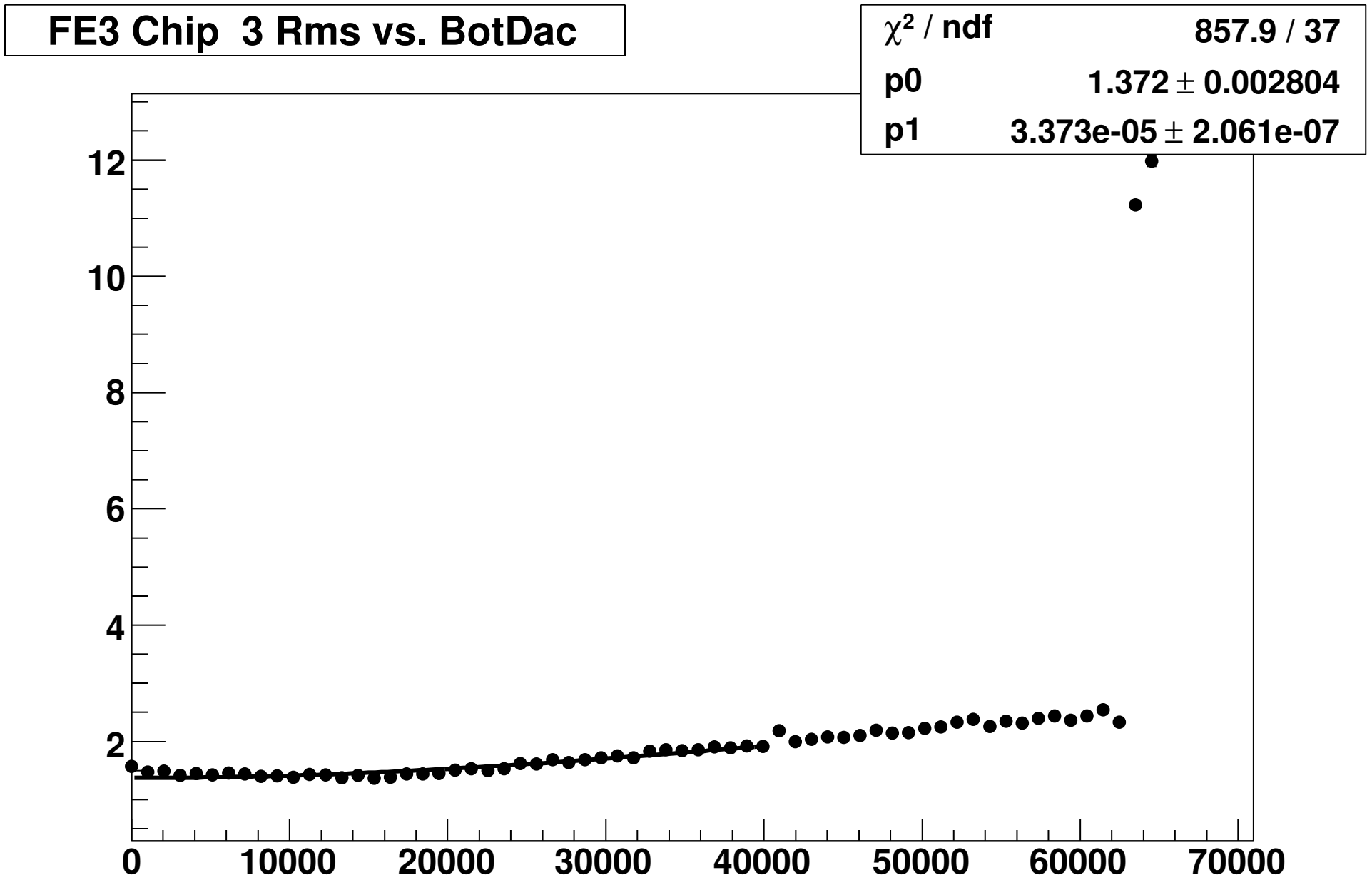
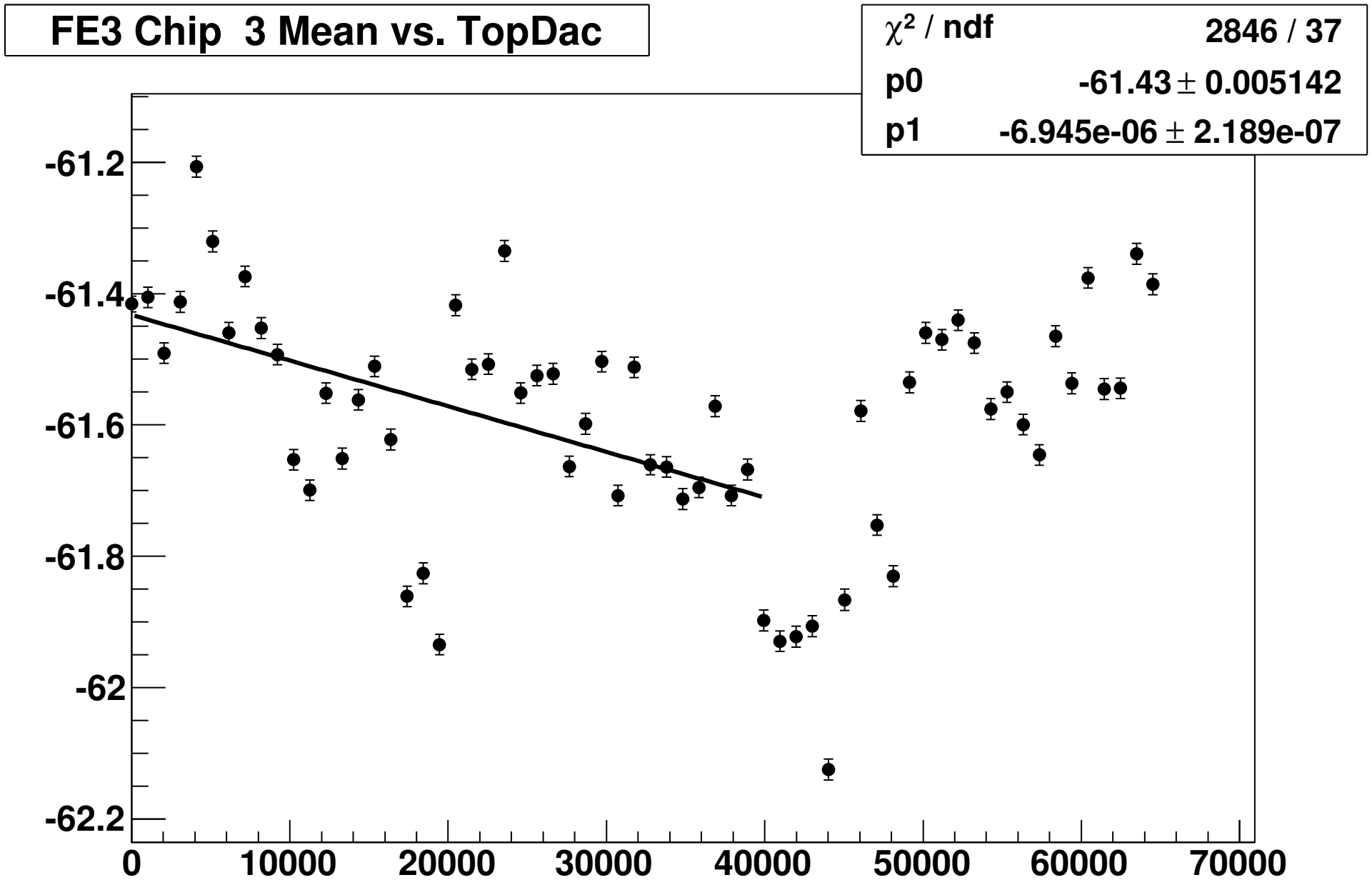
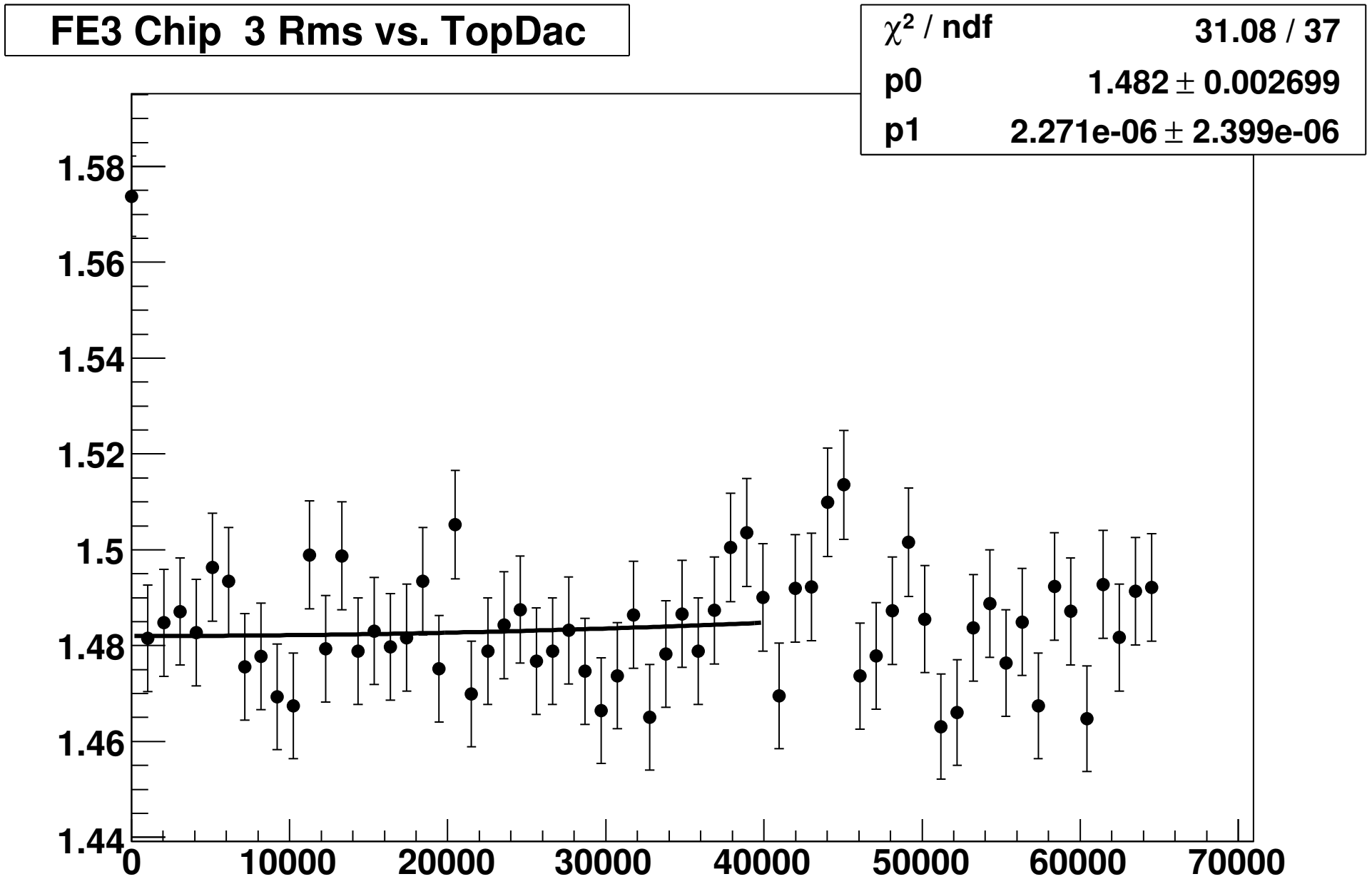
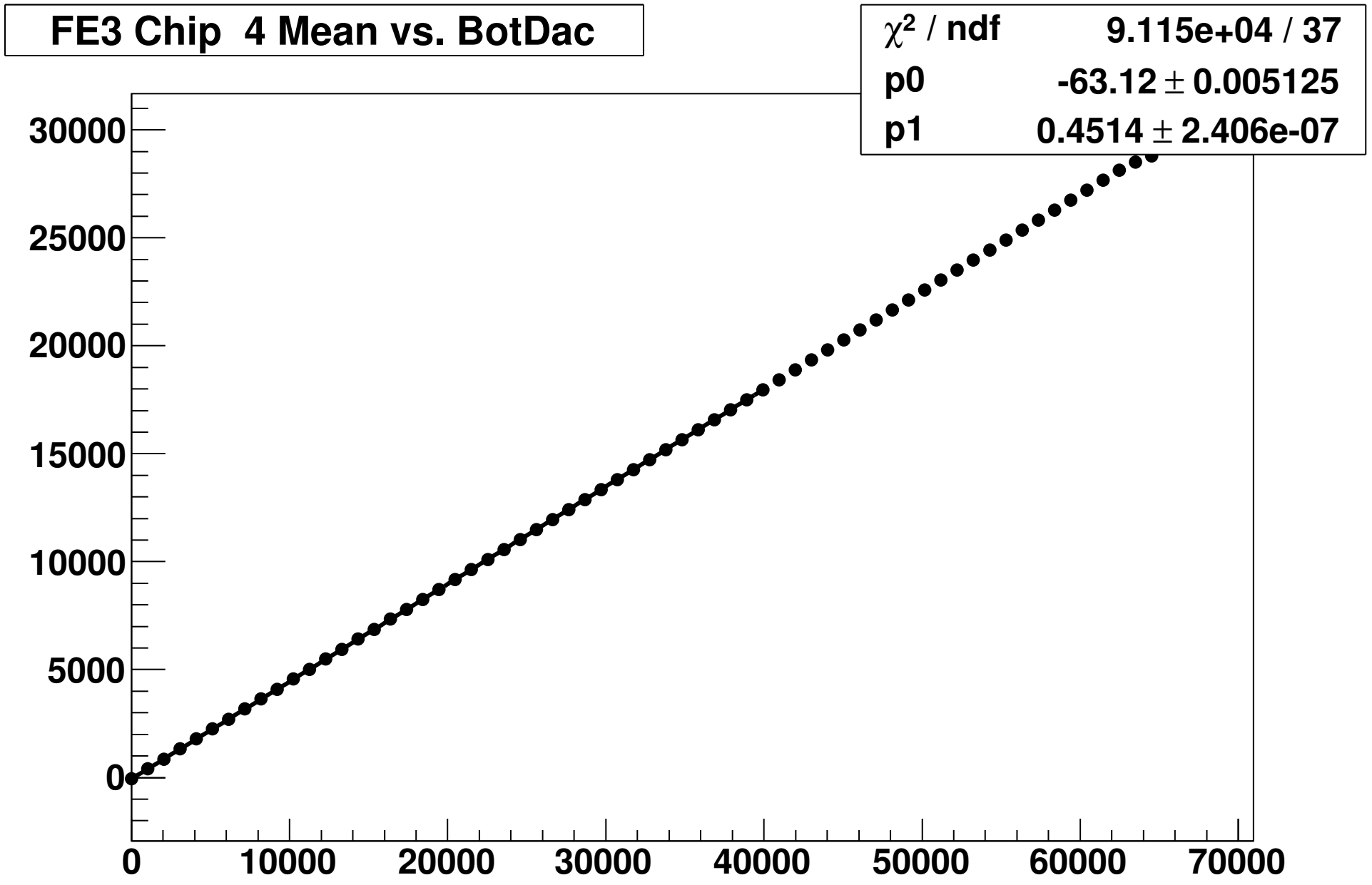
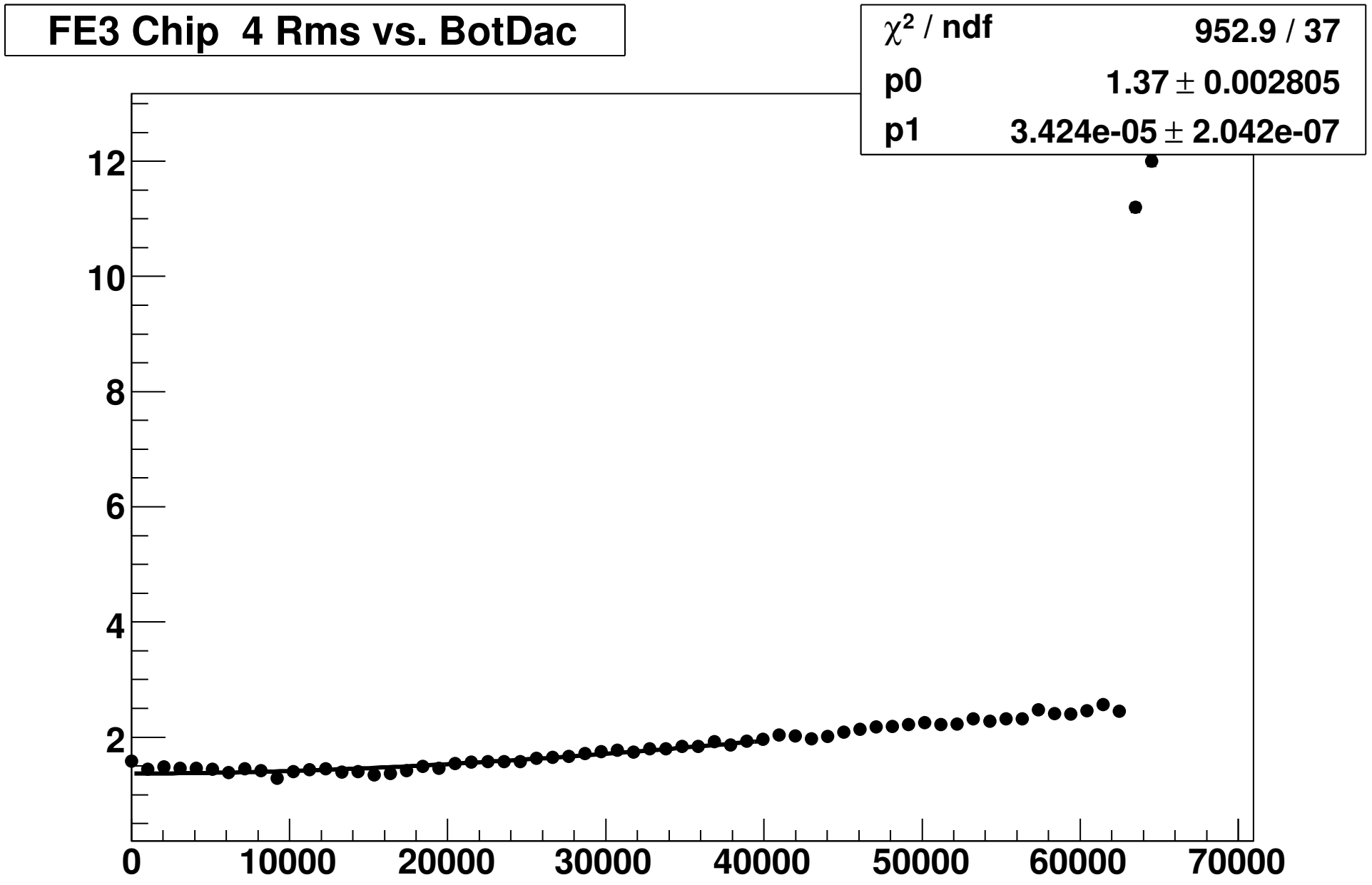

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 1.062e+05 / 37
p0 -60.58 ± 0.005141
p1 0.4515 ± 2.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 857.9 / 37
p0 1.372 ± 0.002804
p1 3.373e-05 ± 2.061e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 2846 / 37
p0 -61.43 ± 0.005142
p1 -6.945e-06 ± 2.189e-07
-61.2
-61.4
-61.6
-61.8
-62
-62.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 31.08 / 37
p0 1.482 ± 0.002699
p1 2.271e-06 ± 2.399e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 9.115e+04 / 37
p0 -63.12 ± 0.005125
p1 0.4514 ± 2.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 952.9 / 37
p0 1.37 ± 0.002805
p1 3.424e-05 ± 2.042e-07
12
10
8
6
4
2
0
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20000
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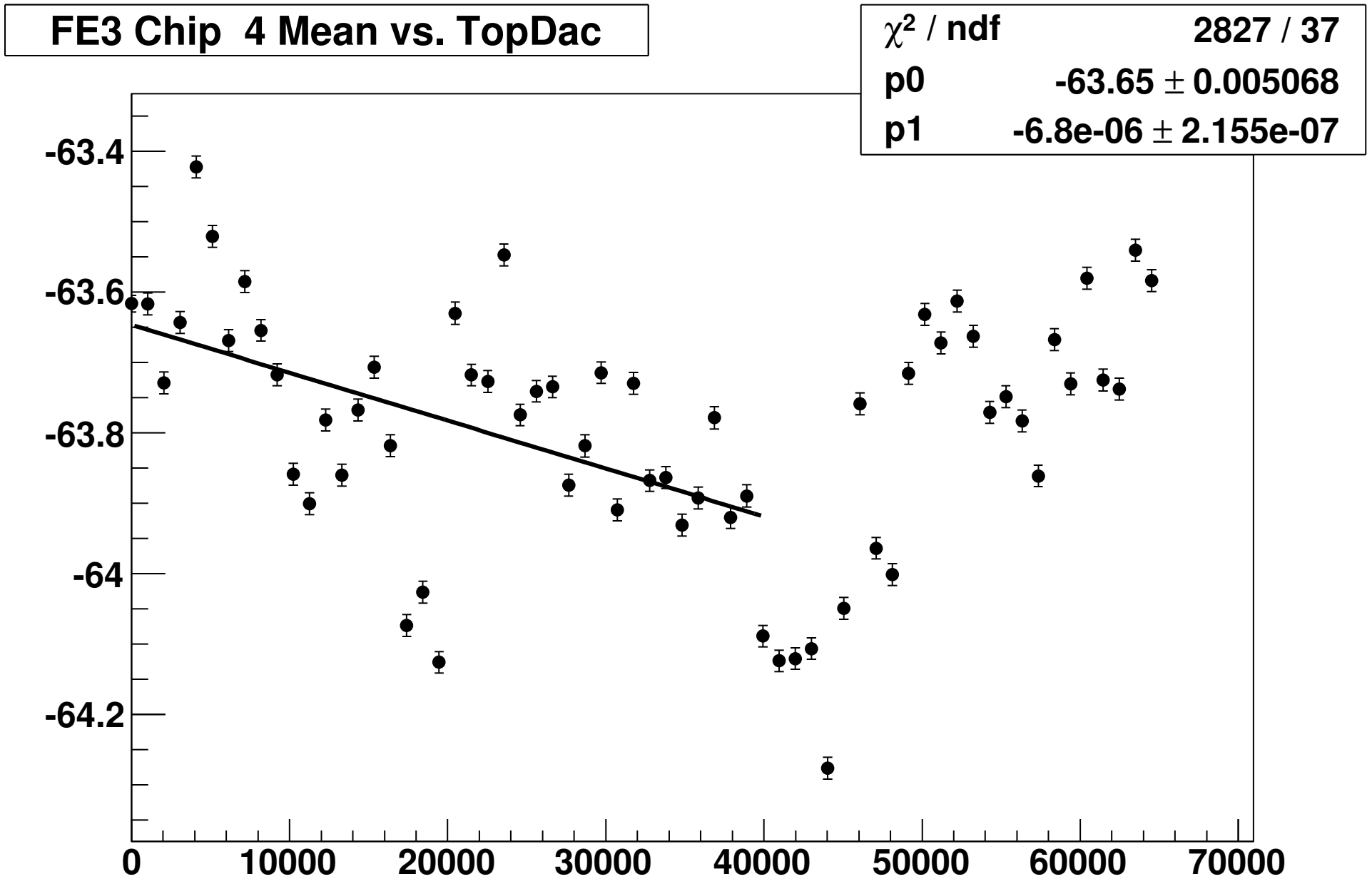
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 2827 / 37
p0 -63.65 ± 0.005068
p1 -6.8e-06 ± 2.155e-07
-63.4
-63.6
-63.8
-64
-64.2
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10000
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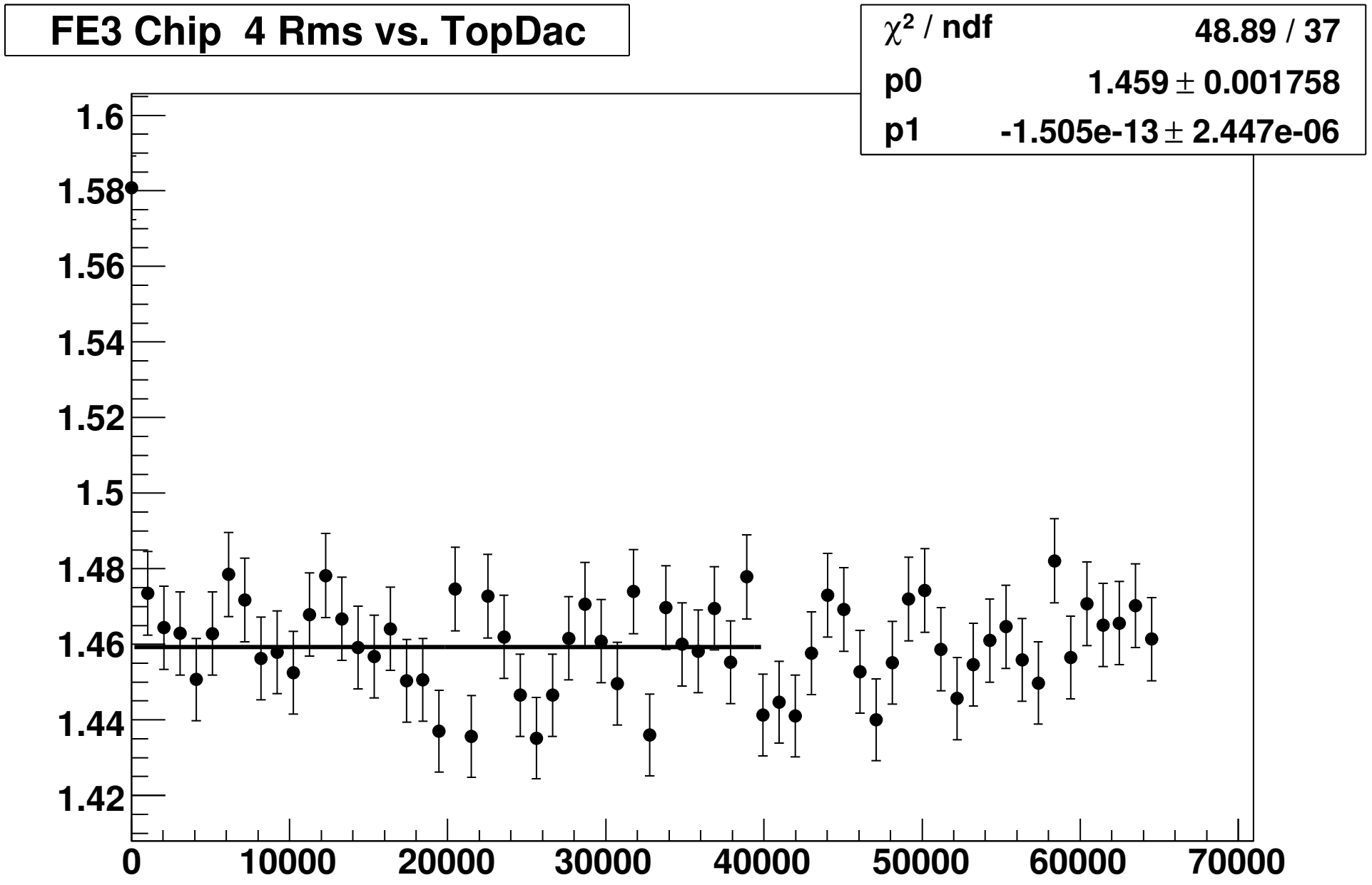
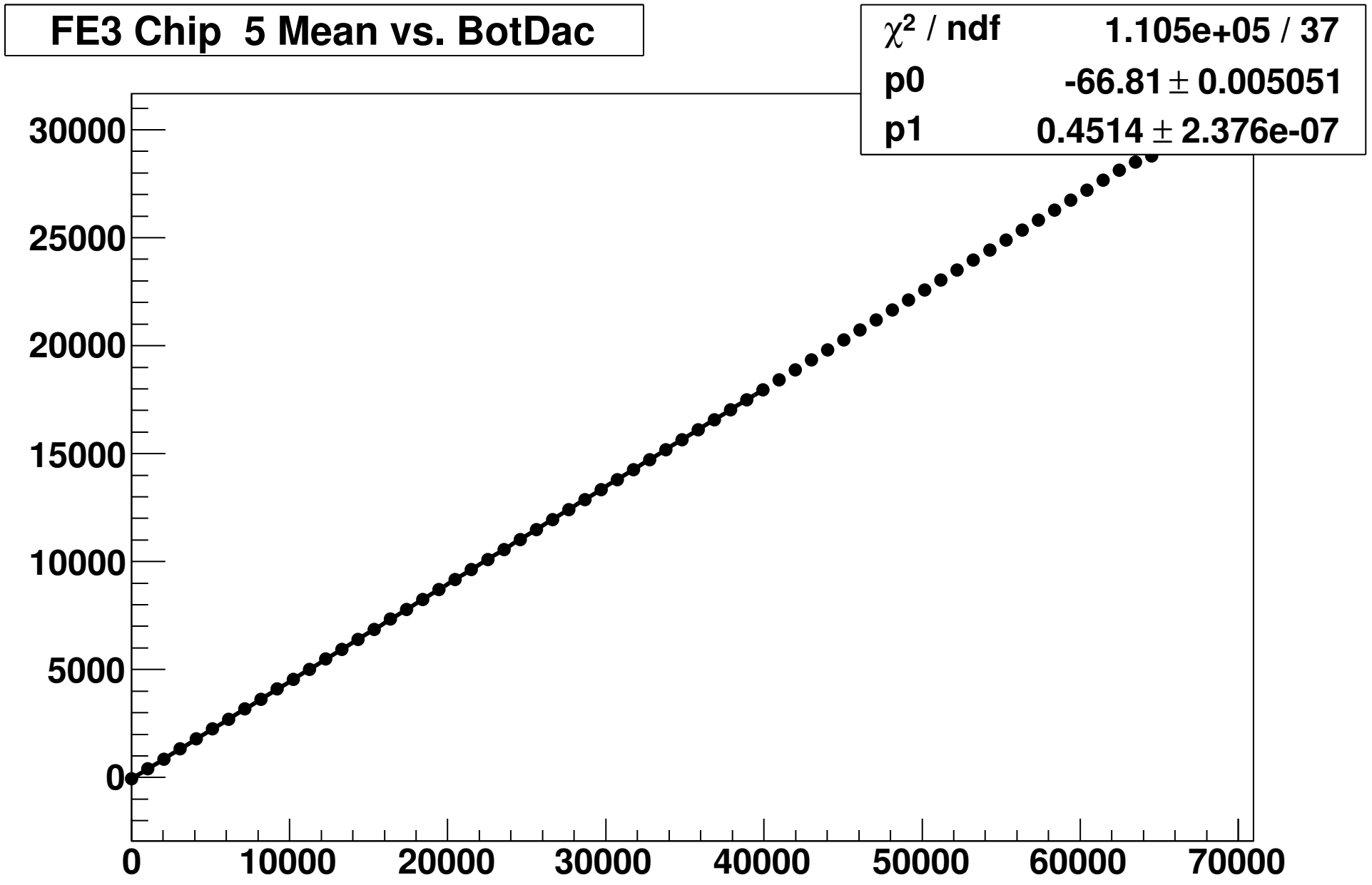
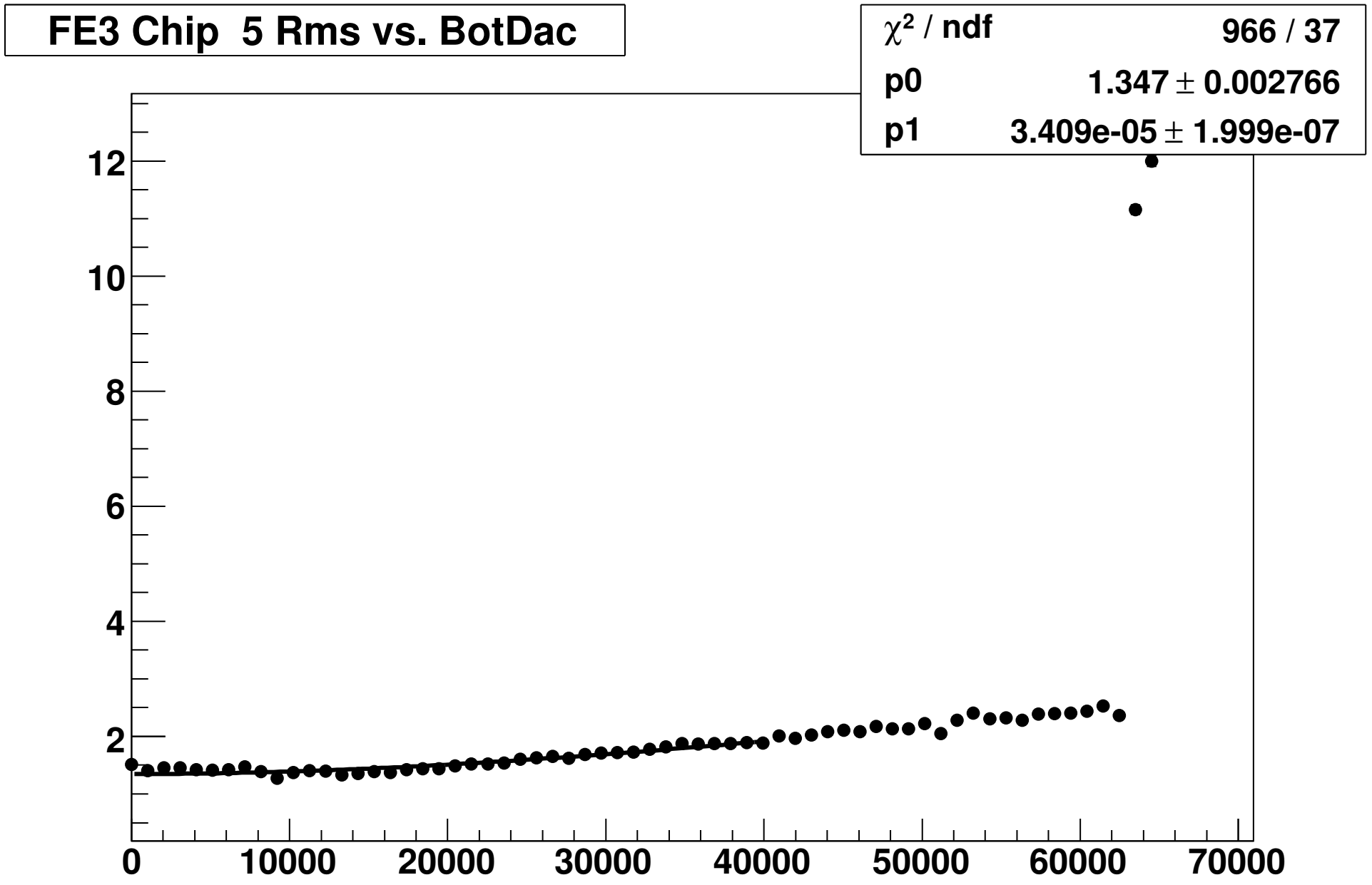

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 48.89 / 37
p0 1.459 ± 0.001758
p1 -1.505e-13 ± 2.447e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.105e+05 / 37
p0 -66.81 ± 0.005051
p1 0.4514 ± 2.376e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 966 / 37
p0 1.347 ± 0.002766
p1 3.409e-05 ± 1.999e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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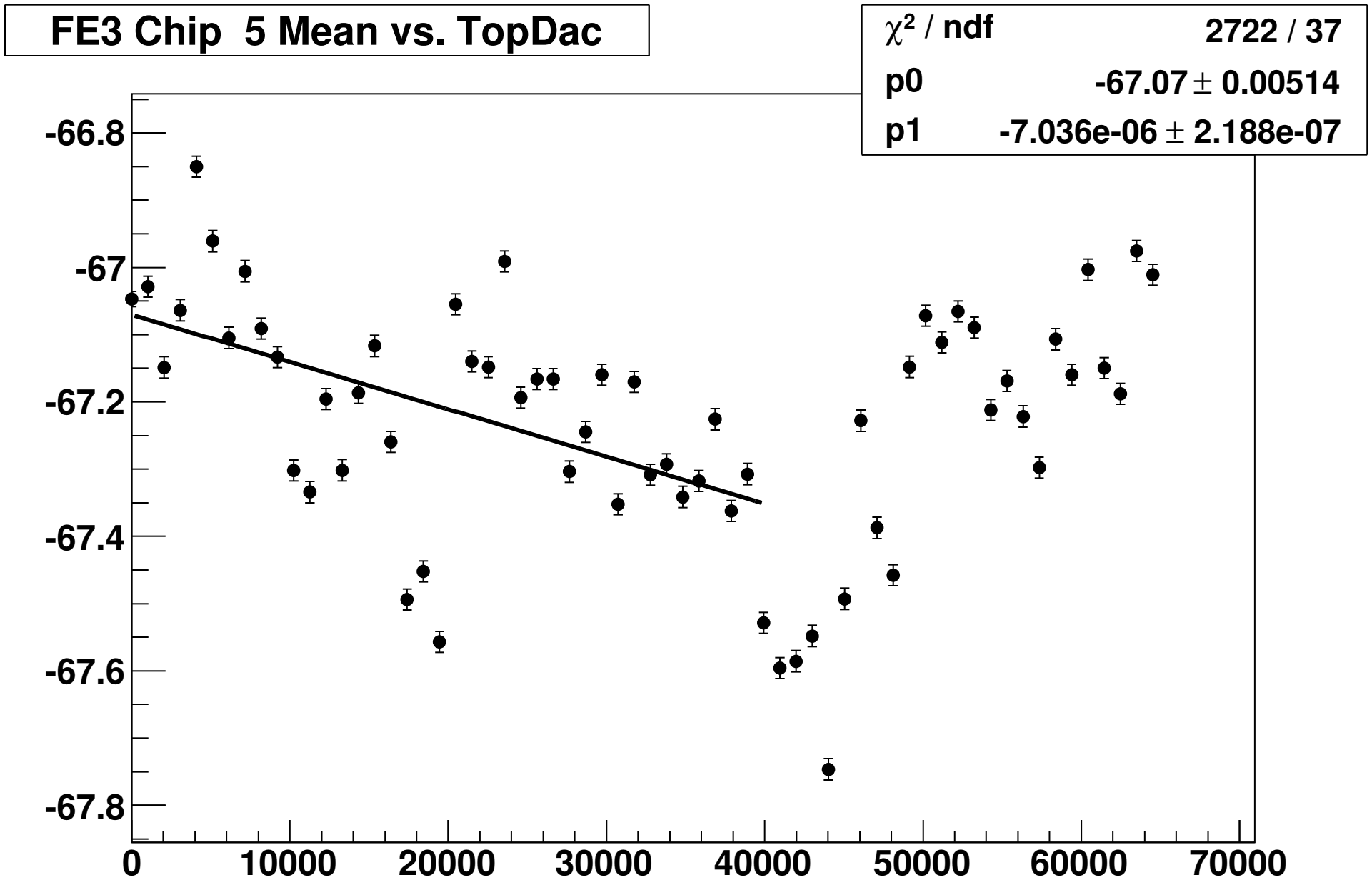
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 2722 / 37
p0 -67.07 ± 0.00514
p1 -7.036e-06 ± 2.188e-07
-66.8
-67
-67.2
-67.4
-67.6
-67.8
0
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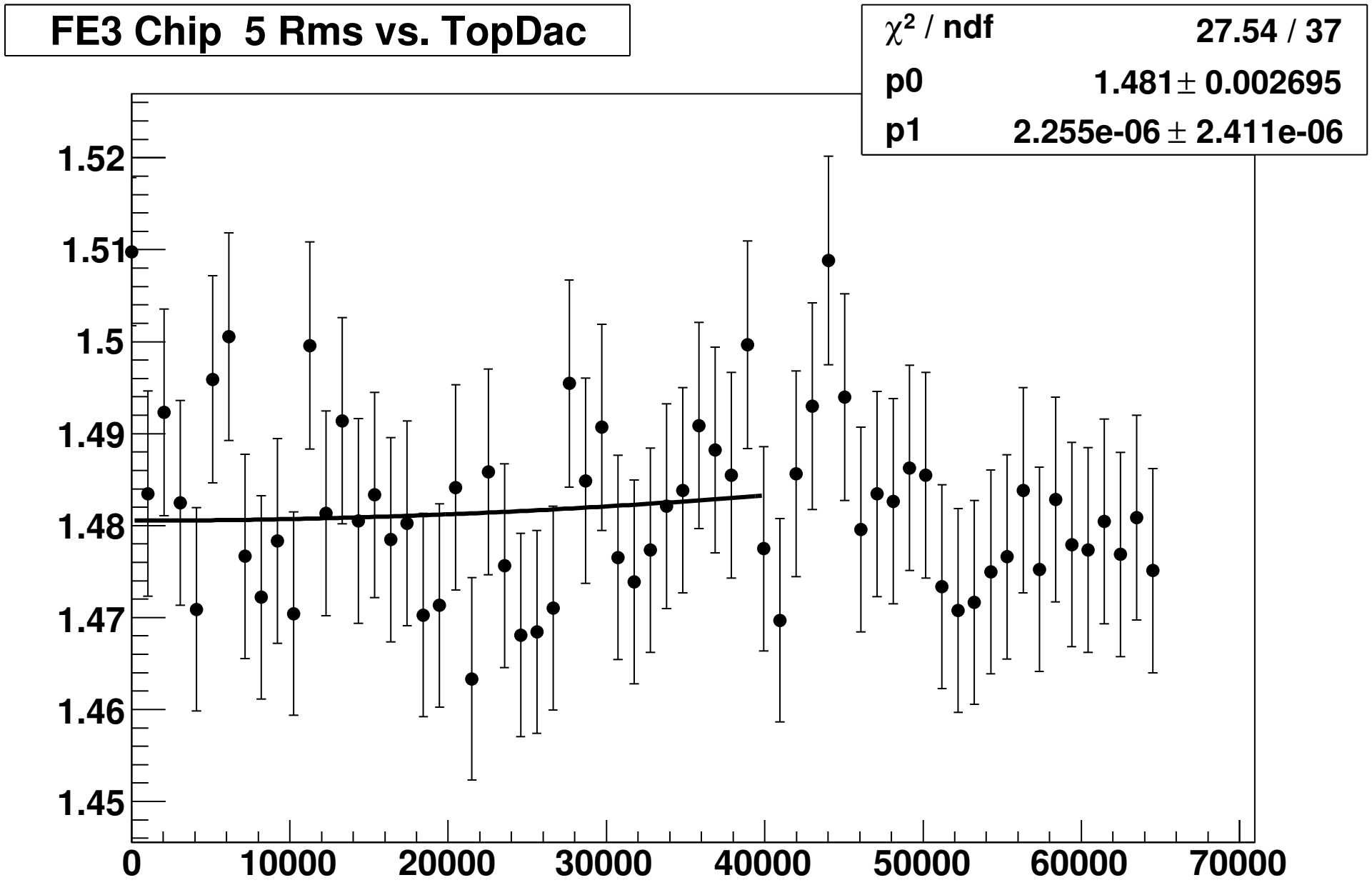
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 27.54 / 37
p0 1.481 ± 0.002695
p1 2.255e-06 ± 2.411e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
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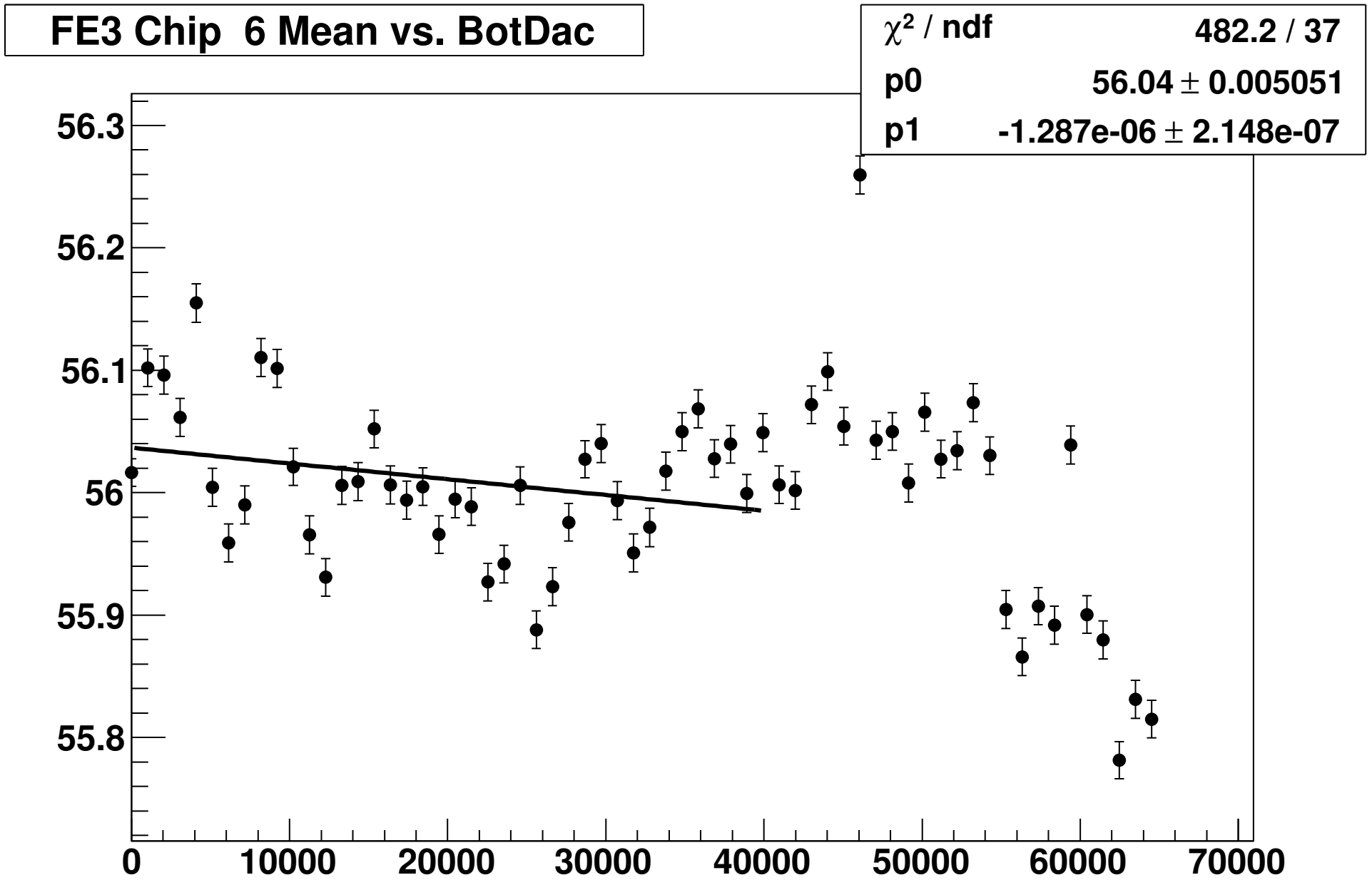
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 482.2 / 37
p0 56.04 ± 0.005051
p1 -1.287e-06 ± 2.148e-07
56.3
56.2
56.1
56
55.9
55.8
0
10000
20000
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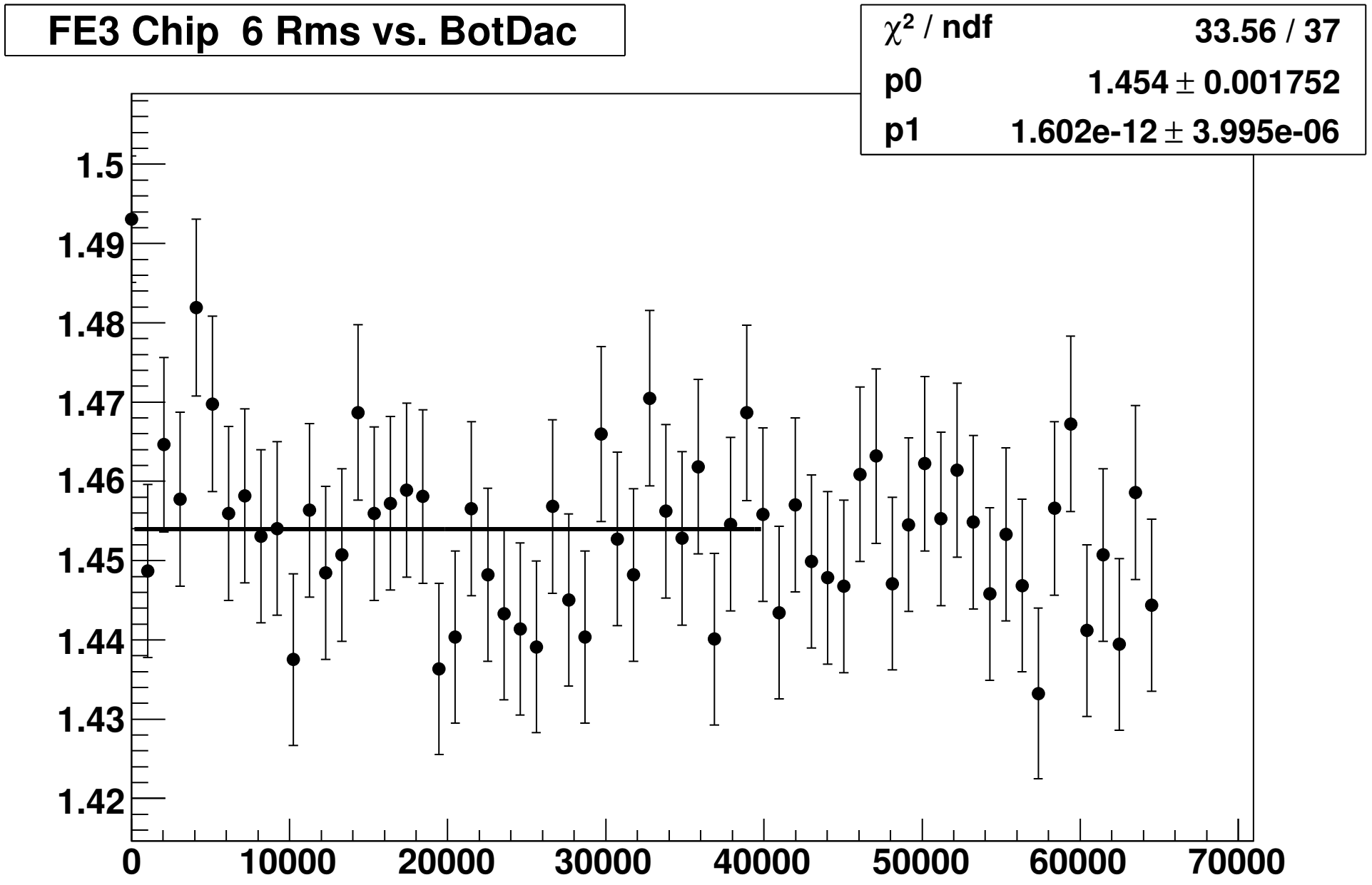
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 33.56 / 37
p0 1.454 ± 0.001752
p1 1.602e-12 ± 3.995e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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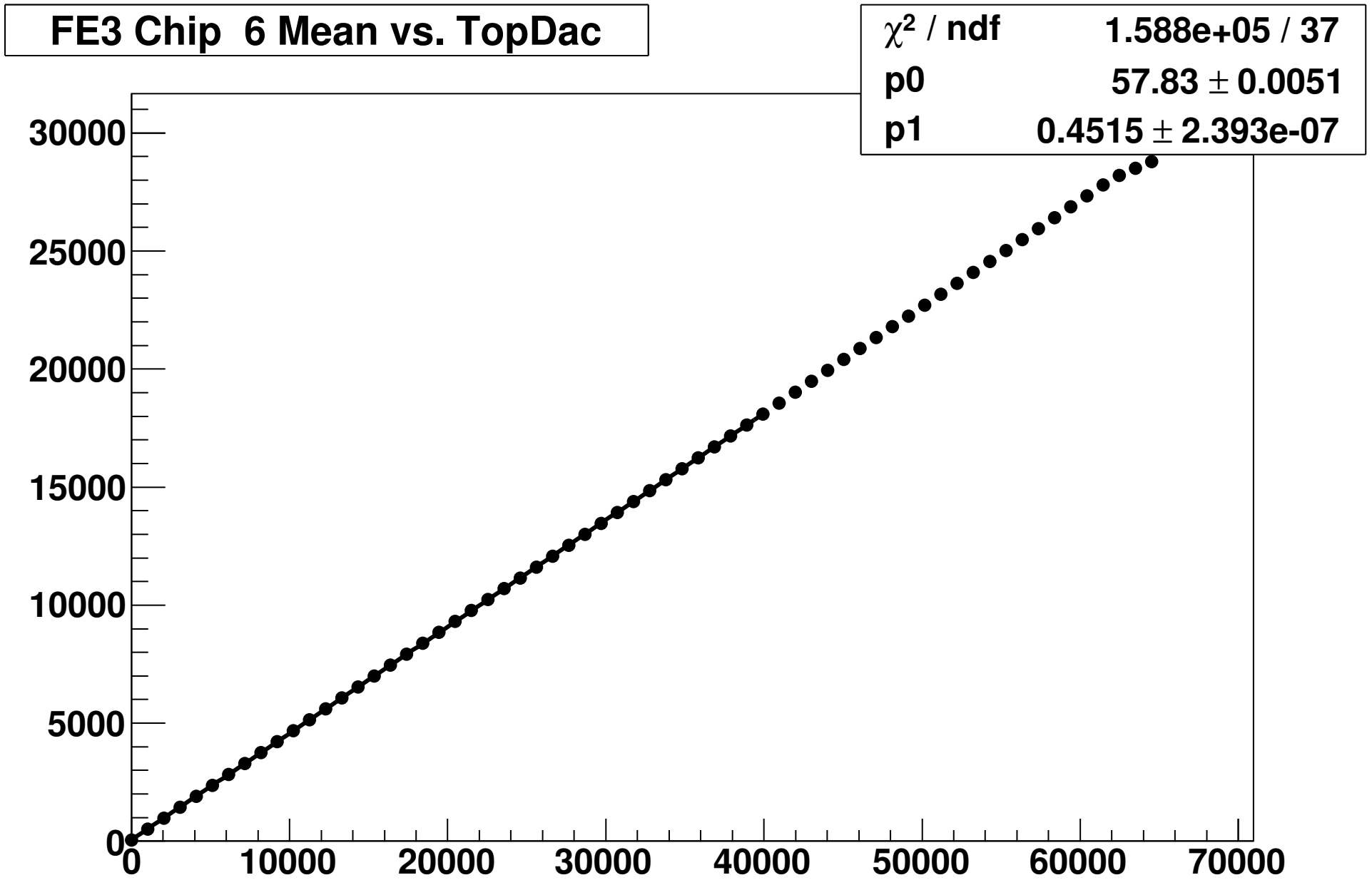
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.588e+05 / 37
p0 57.83 ± 0.0051
p1 0.4515 ± 2.393e-07
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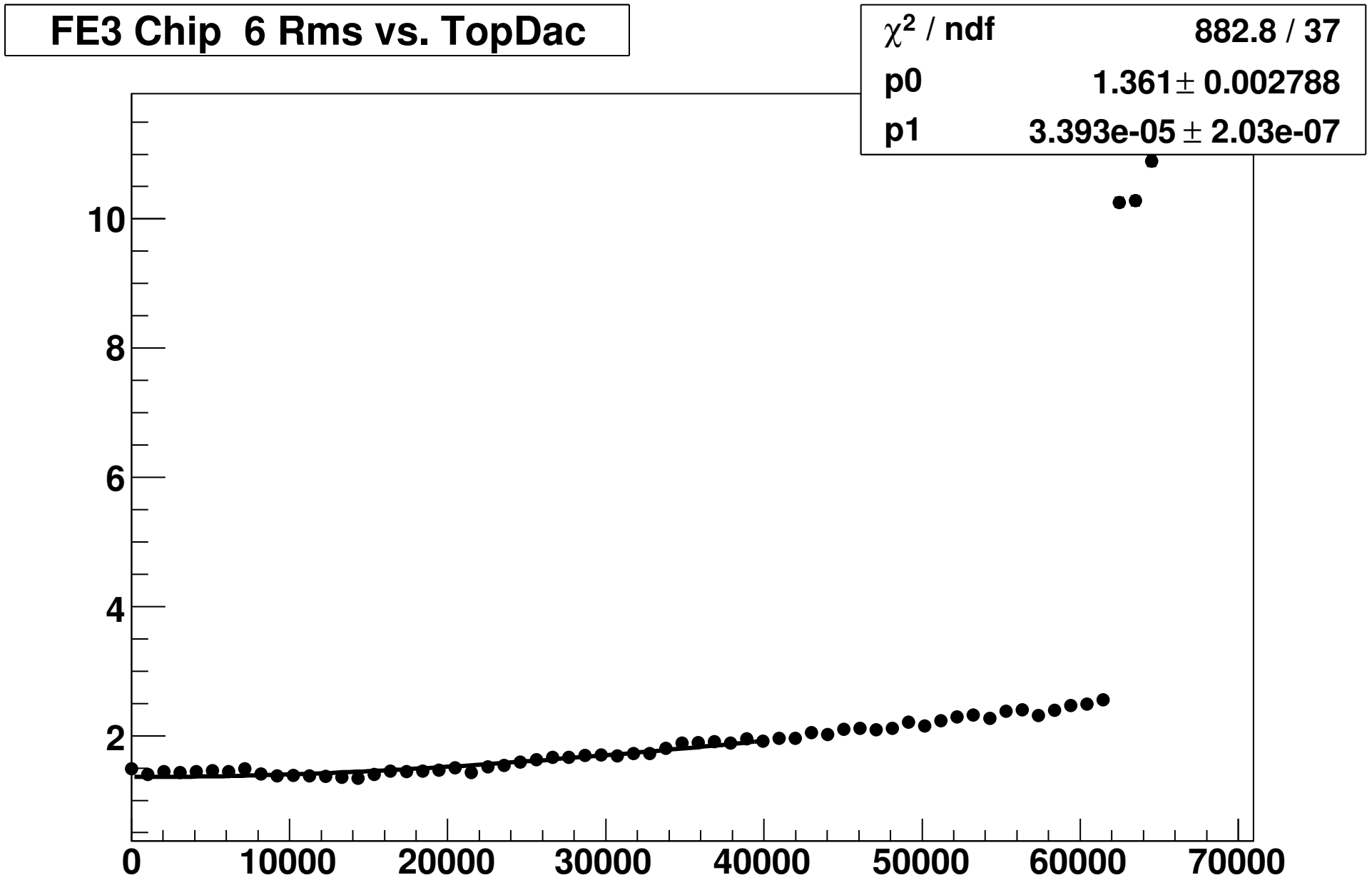
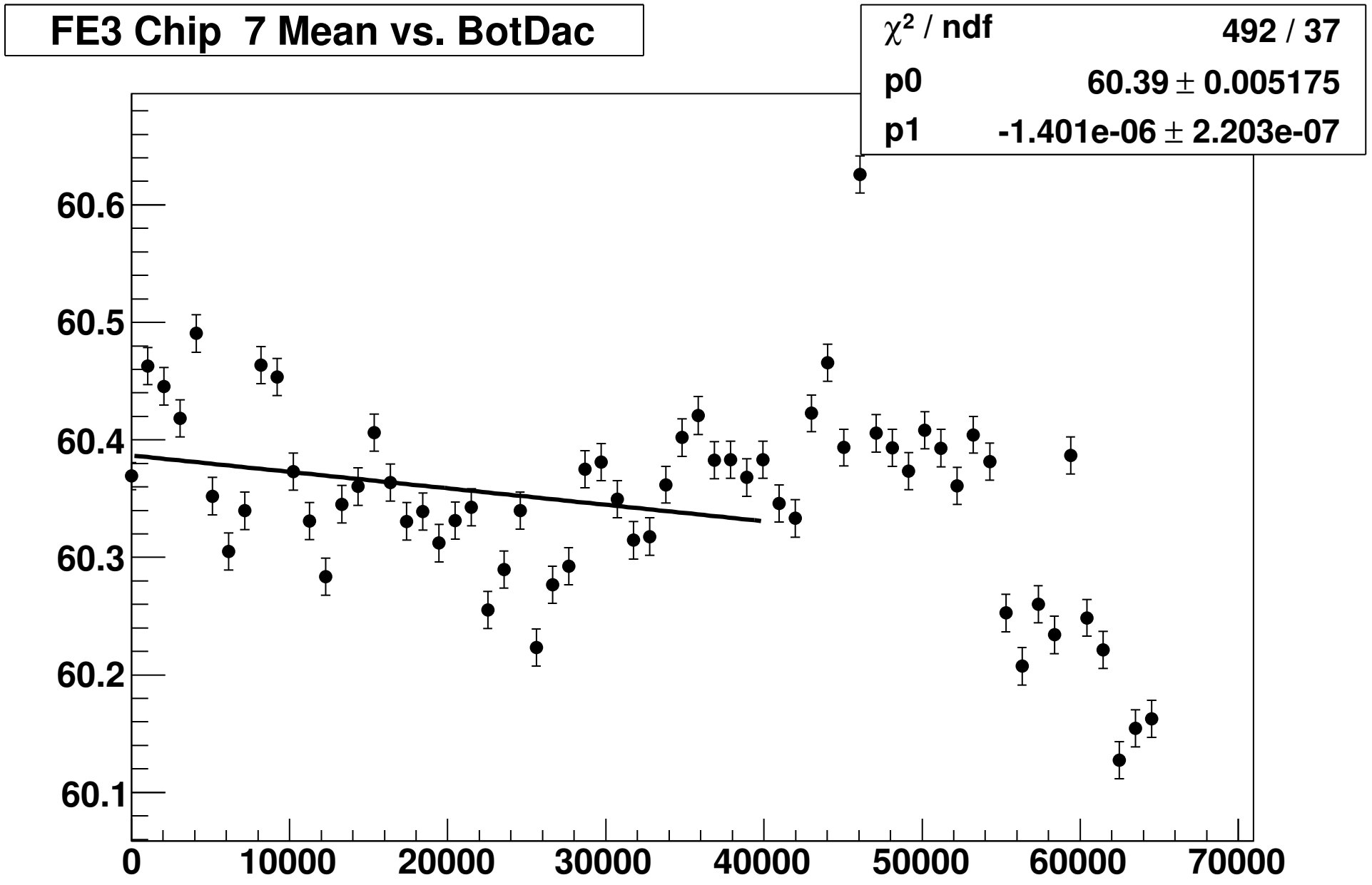
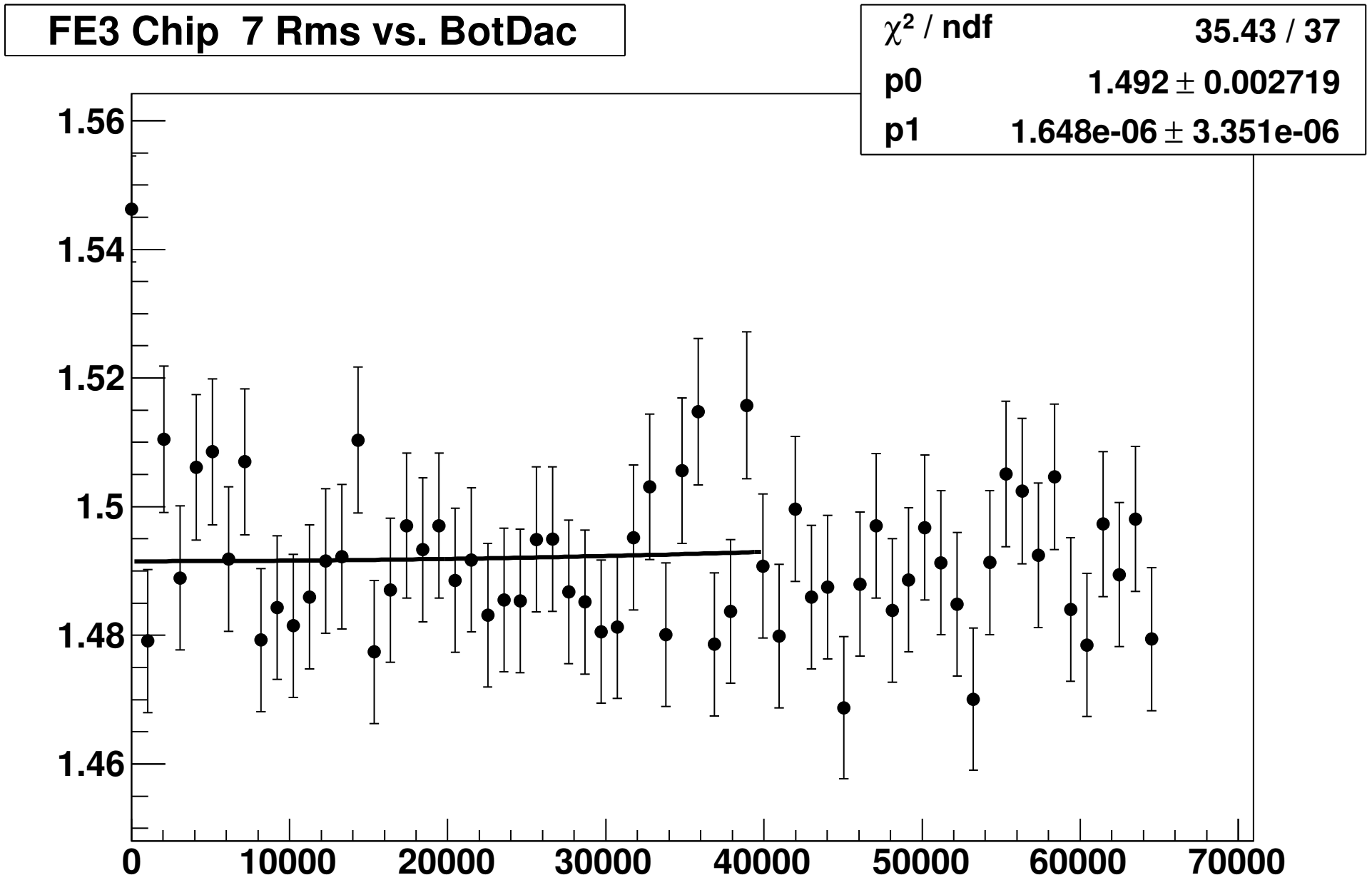
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 882.8 / 37
p0 1.361 ± 0.002788
p1 3.393e-05 ± 2.03e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 492 / 37
p0 60.39 ± 0.005175
p1 -1.401e-06 ± 2.203e-07
60.6
60.5
60.4
60.3
60.2
60.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 35.43 / 37
p0 1.492 ± 0.002719
p1 1.648e-06 ± 3.351e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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50000
60000
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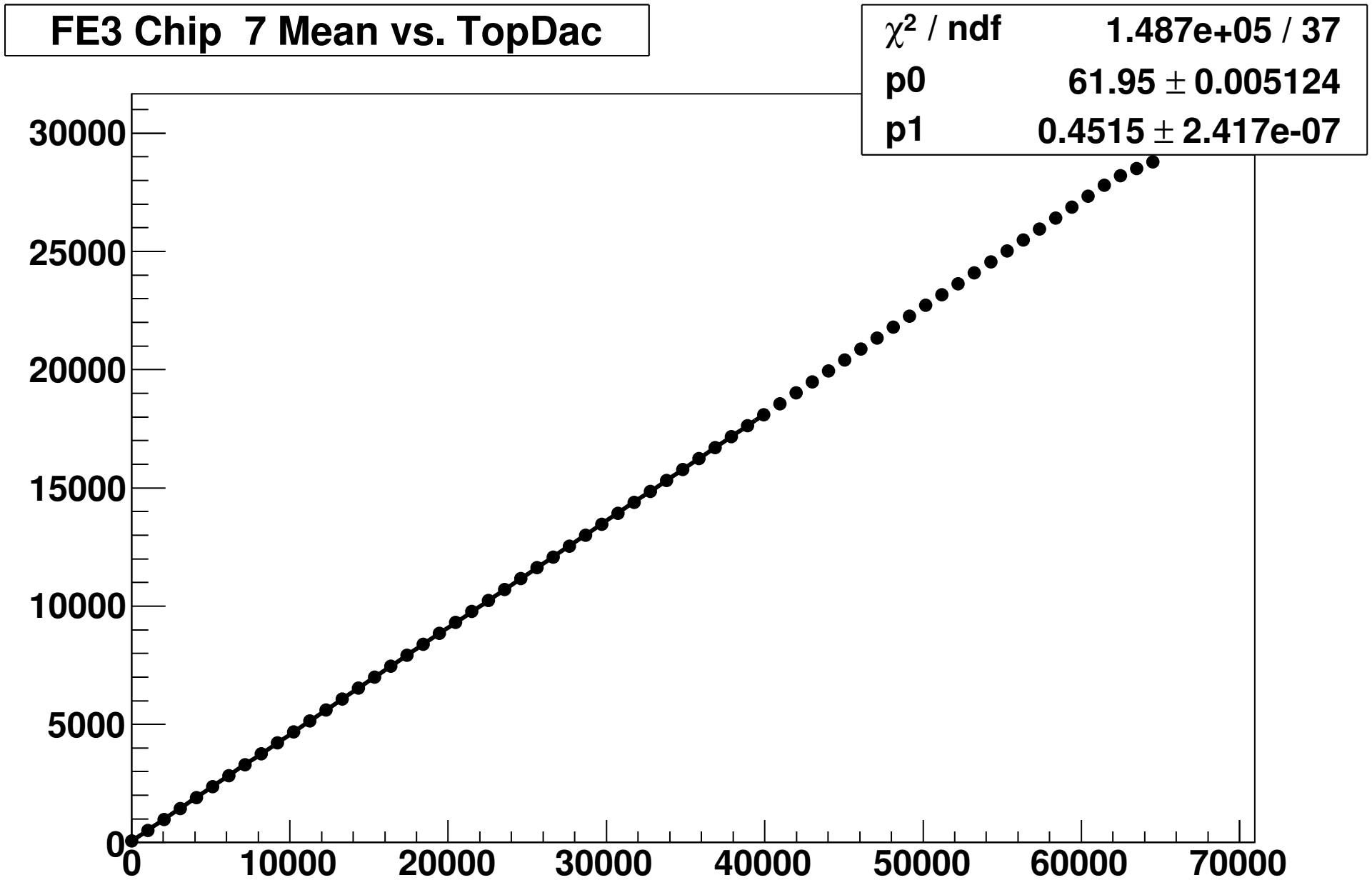
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.487e+05 / 37
p0 61.95 ± 0.005124
p1 0.4515 ± 2.417e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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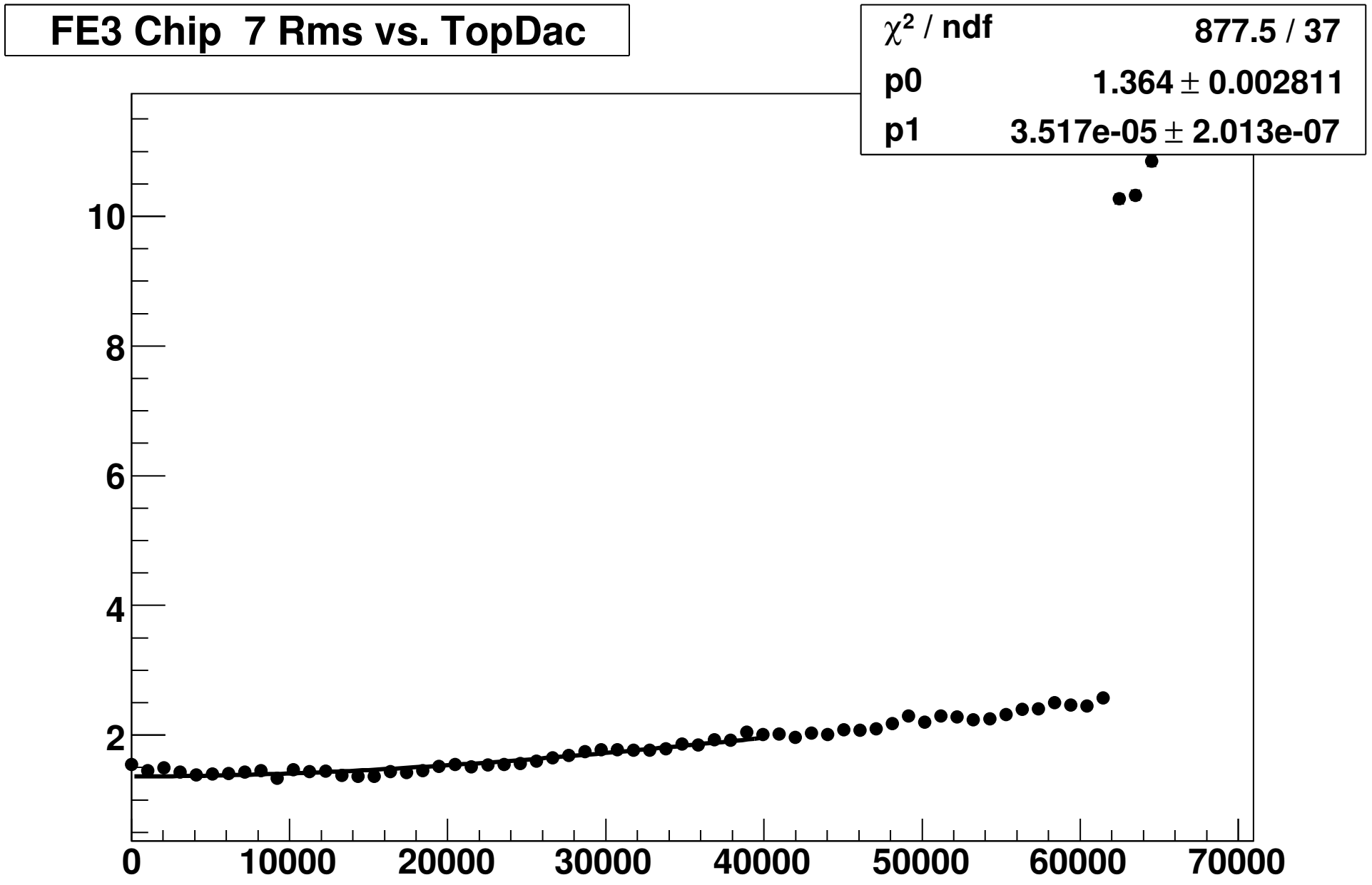
FE3 Chip 7 Rms vs. TopDac
χ² / ndf 877.5 / 37
p0 1.364 ± 0.002811
p1 3.517e-05 ± 2.013e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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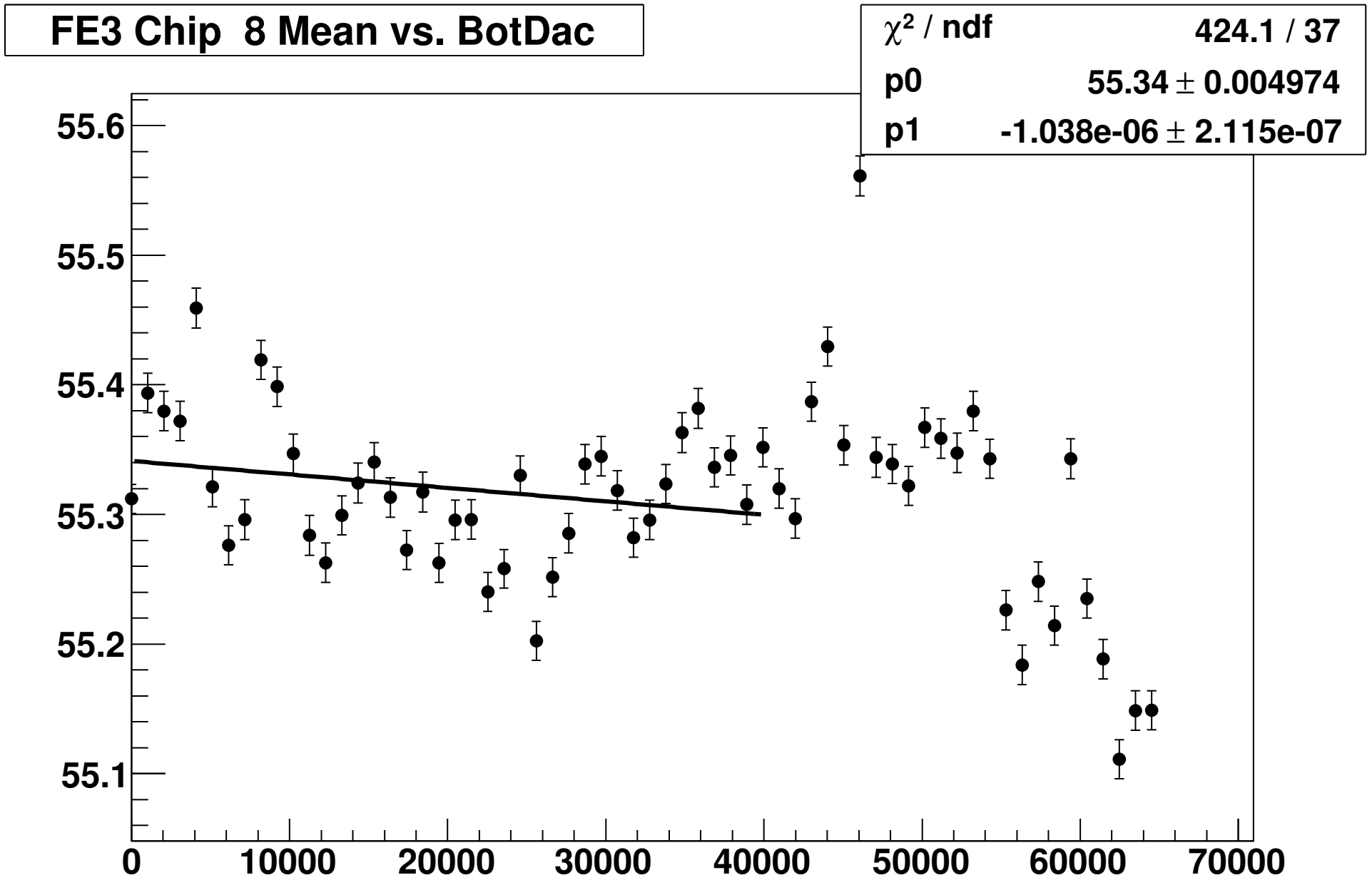
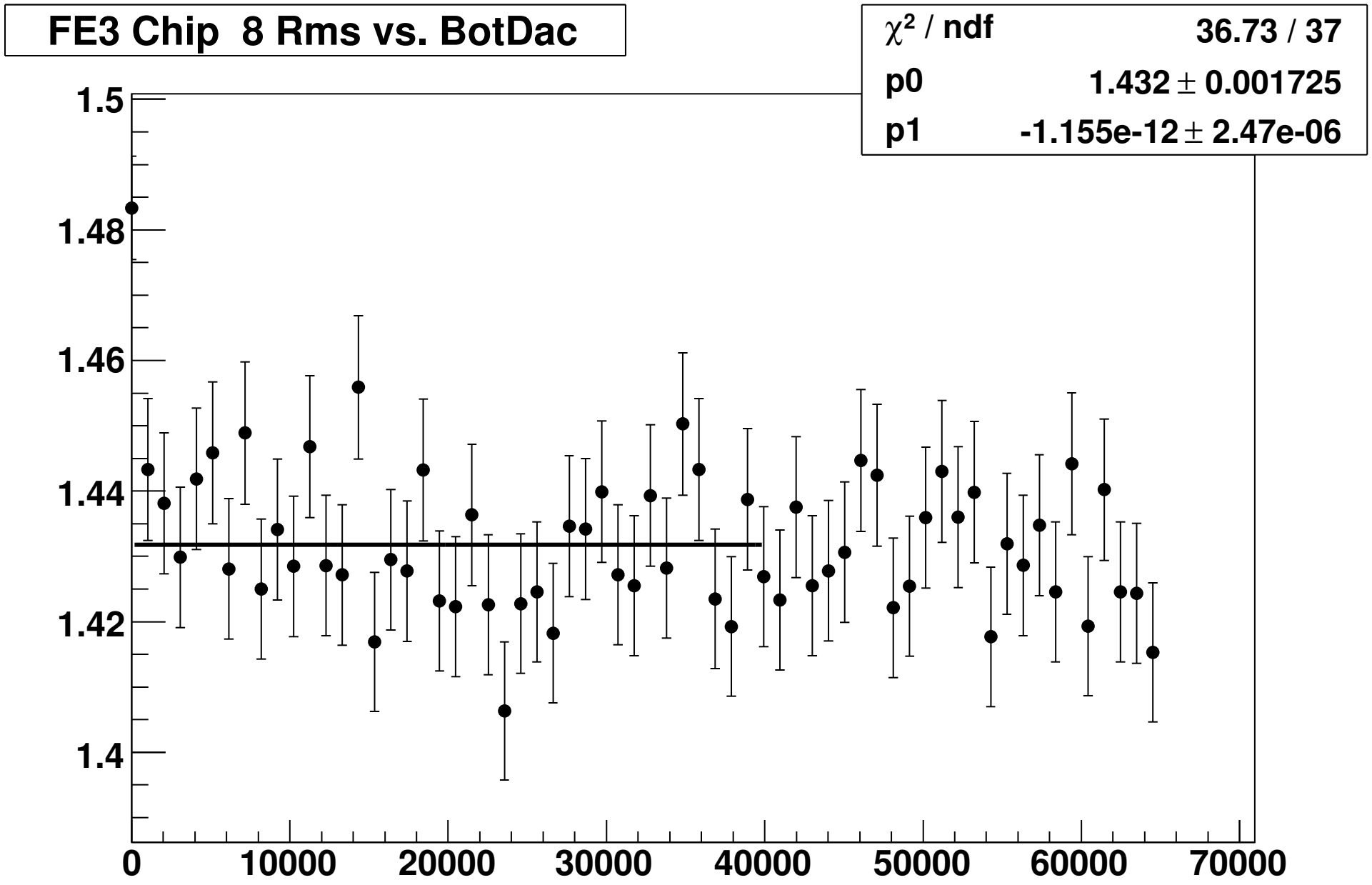
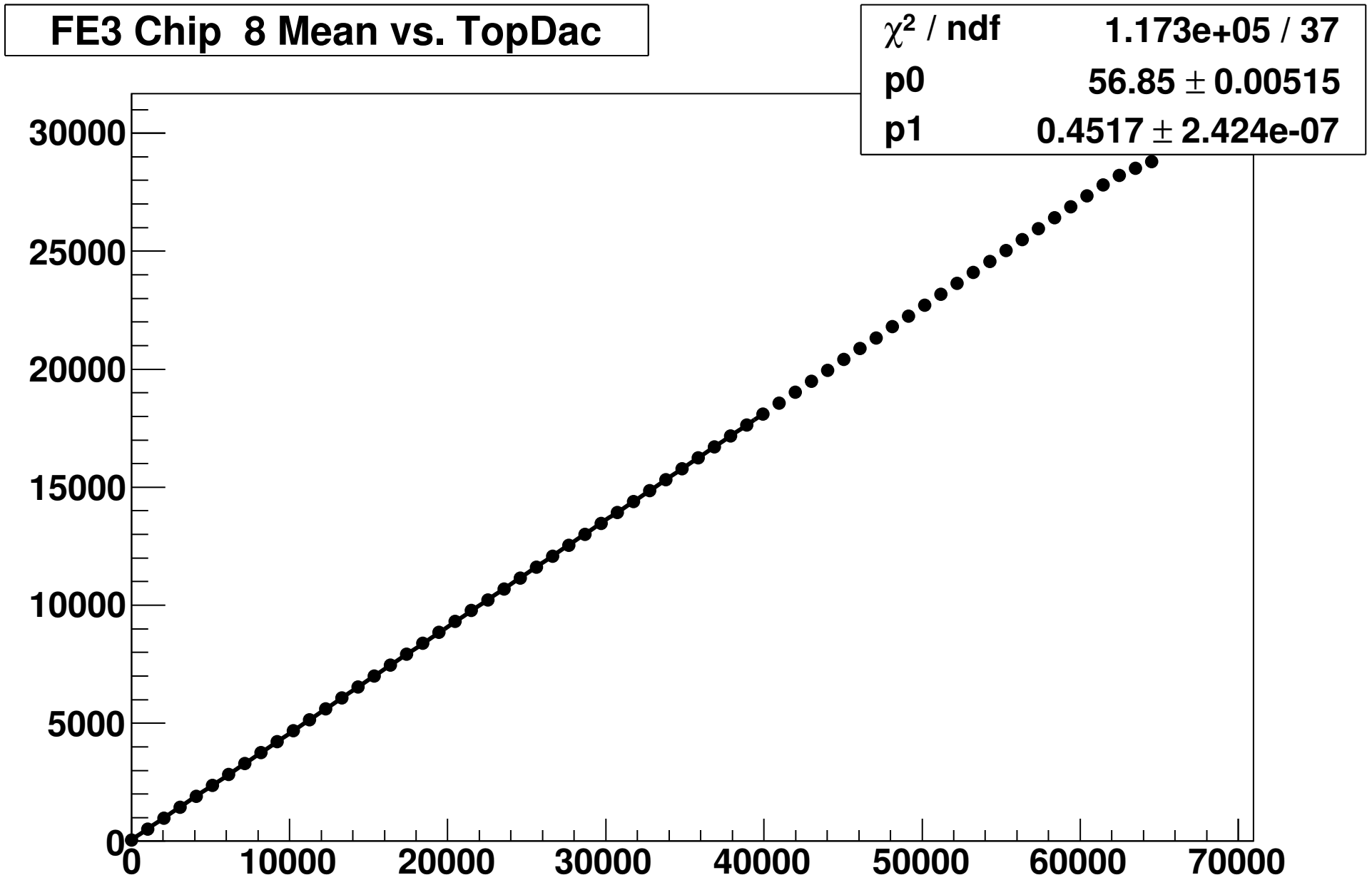
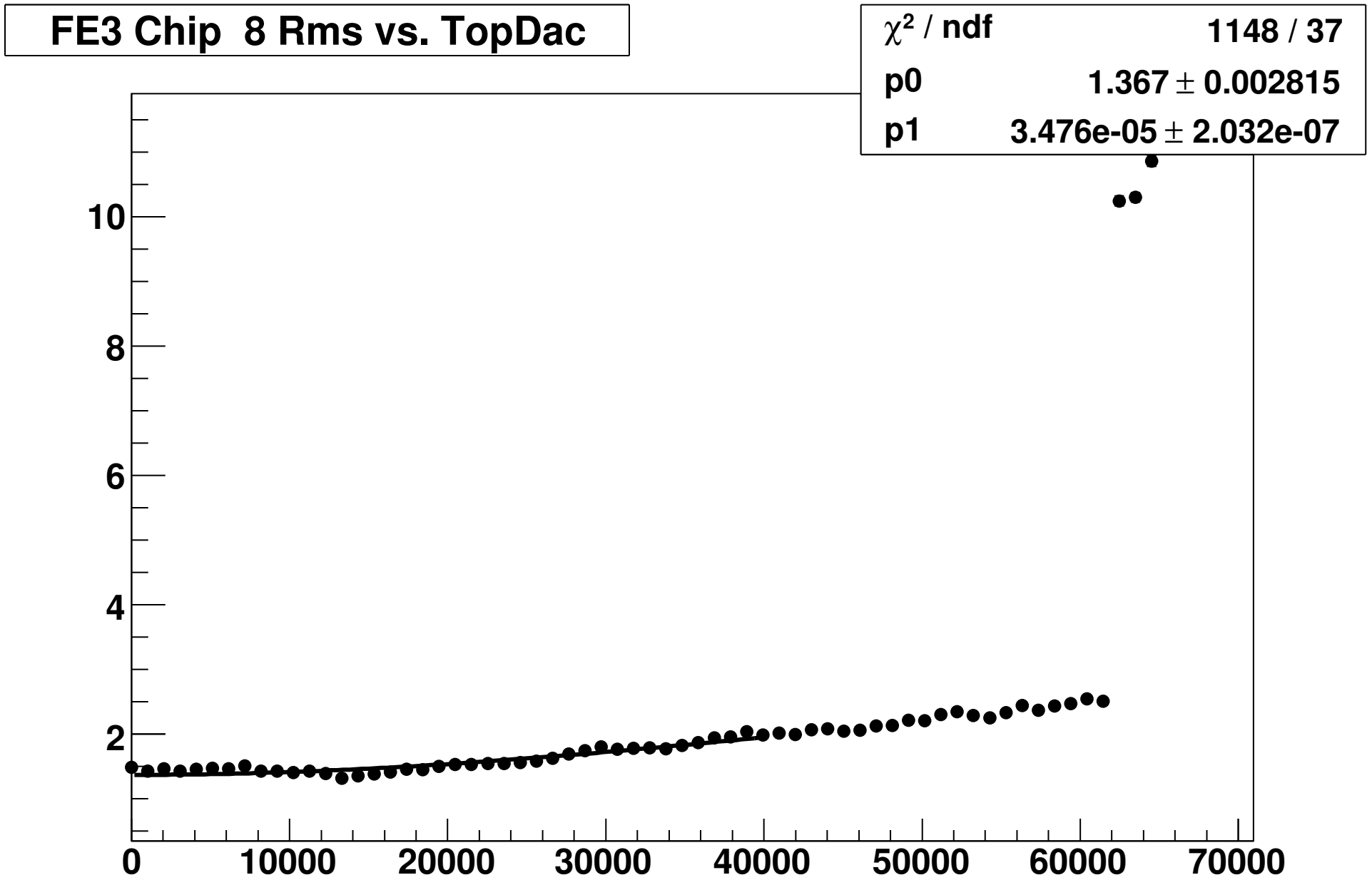
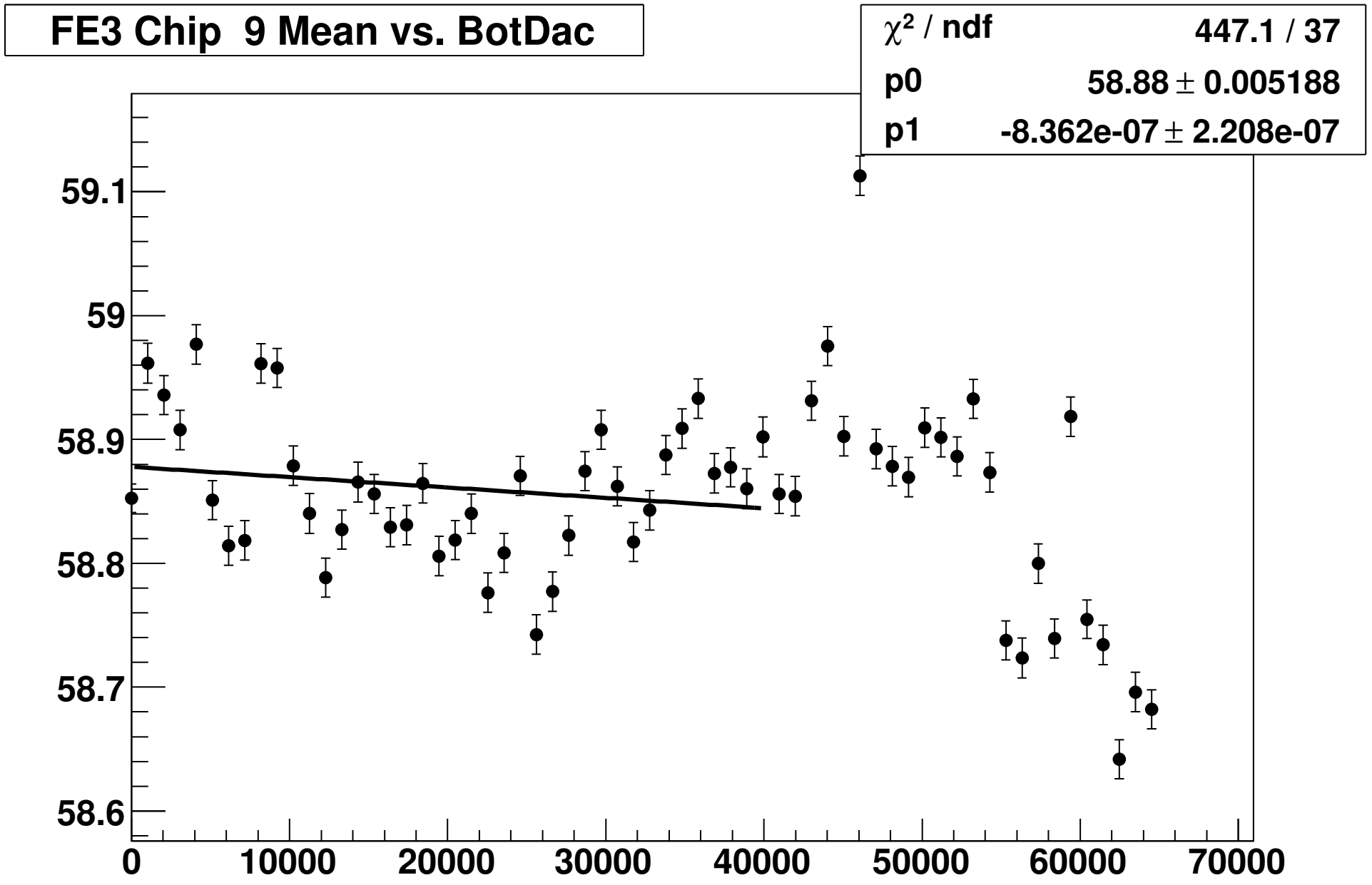
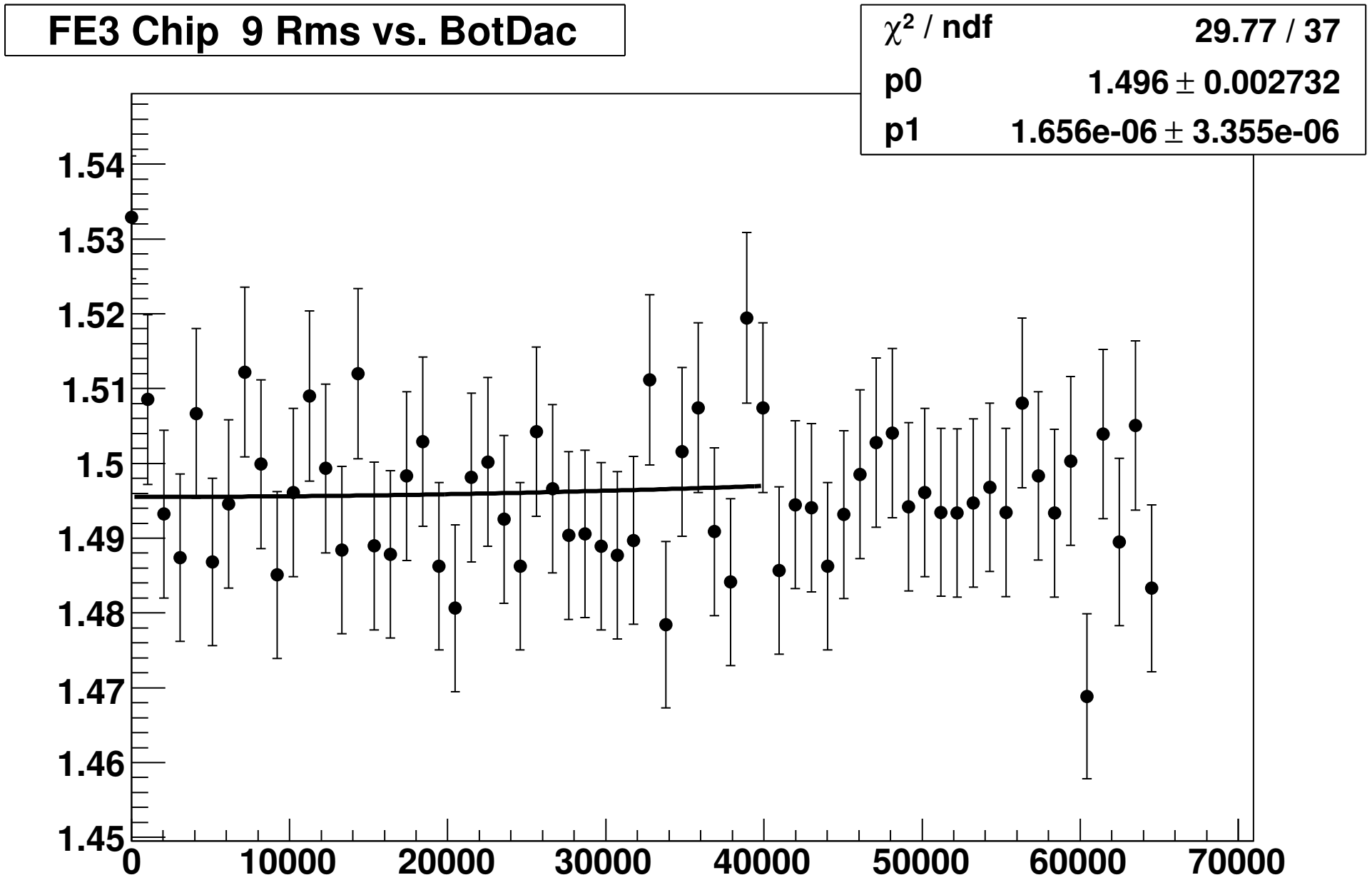

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 424.1 / 37
p0 55.34 ± 0.004974
p1 -1.038e-06 ± 2.115e-07
55.6
55.5
55.4
55.3
55.2
55.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 36.73 / 37
p0 1.432 ± 0.001725
p1 -1.155e-12 ± 2.47e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.173e+05 / 37
p0 56.85 ± 0.00515
p1 0.4517 ± 2.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 1148 / 37
p0 1.367 ± 0.002815
p1 3.476e-05 ± 2.032e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 447.1 / 37
p0 58.88 ± 0.005188
p1 -8.362e-07 ± 2.208e-07
59.1
59
58.9
58.8
58.7
58.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 29.77 / 37
p0 1.496 ± 0.002732
p1 1.656e-06 ± 3.355e-06
1.54
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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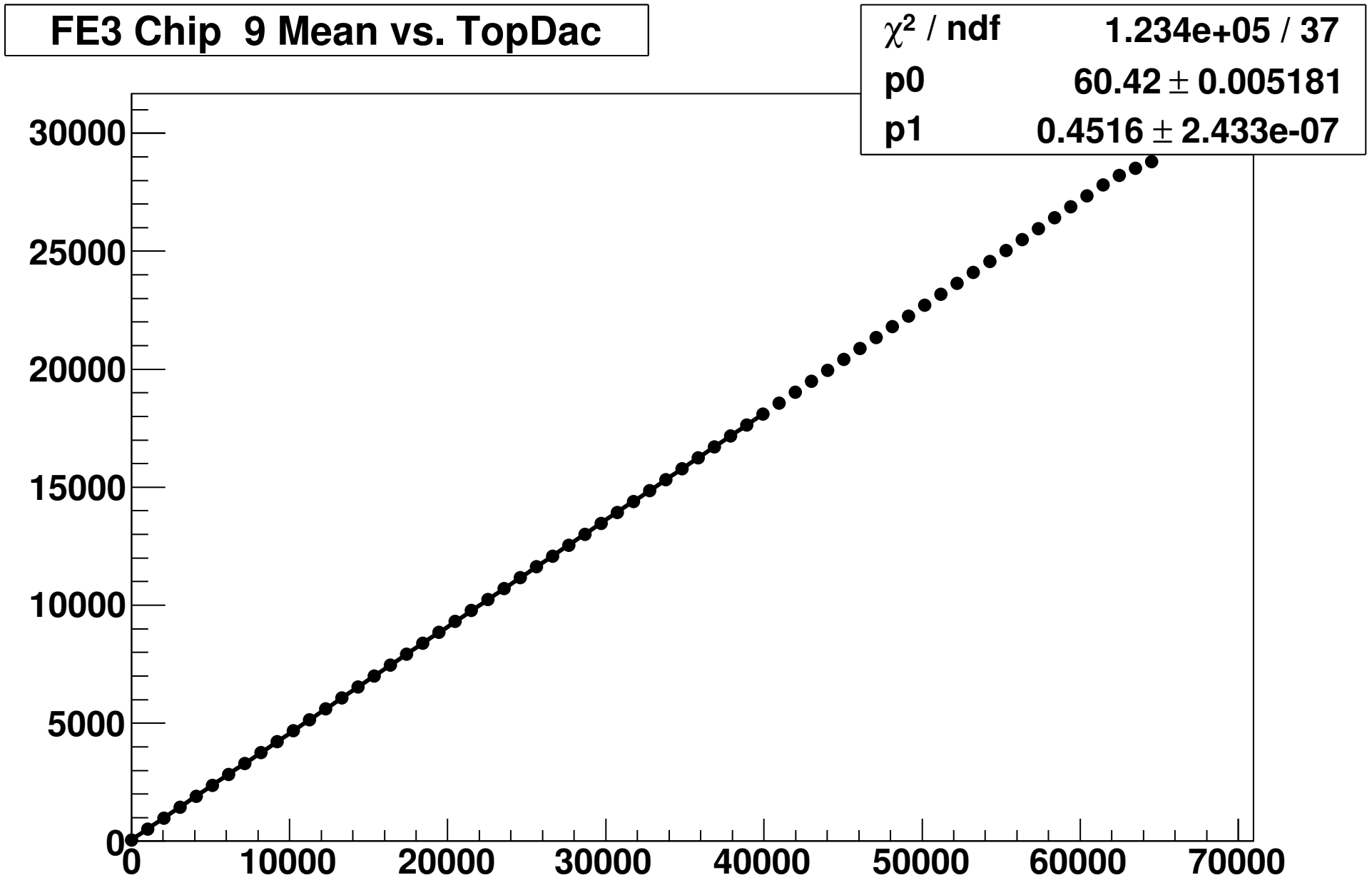
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 1.234e+05 / 37
p0 60.42 ± 0.005181
p1 0.4516 ± 2.433e-07
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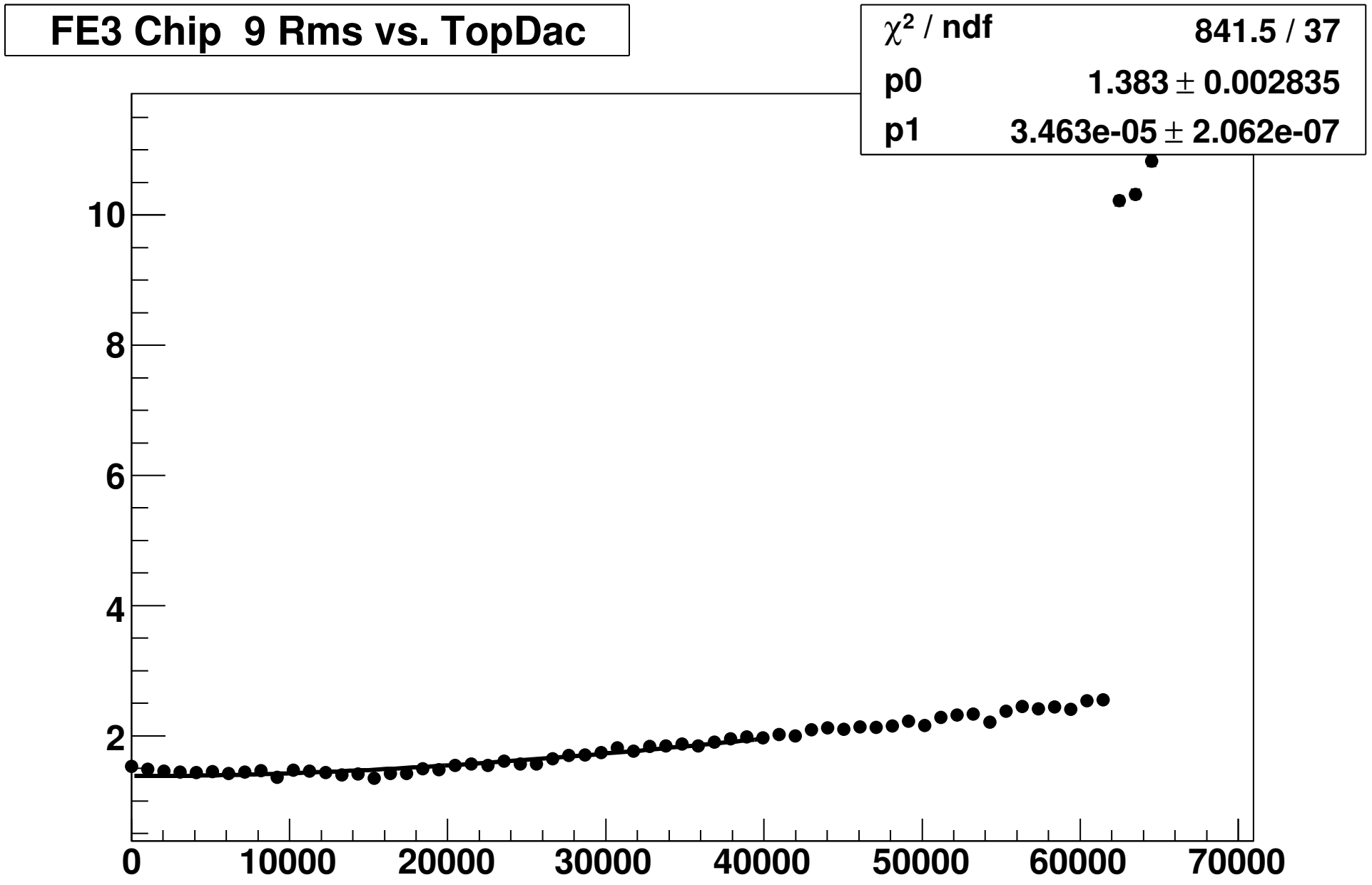
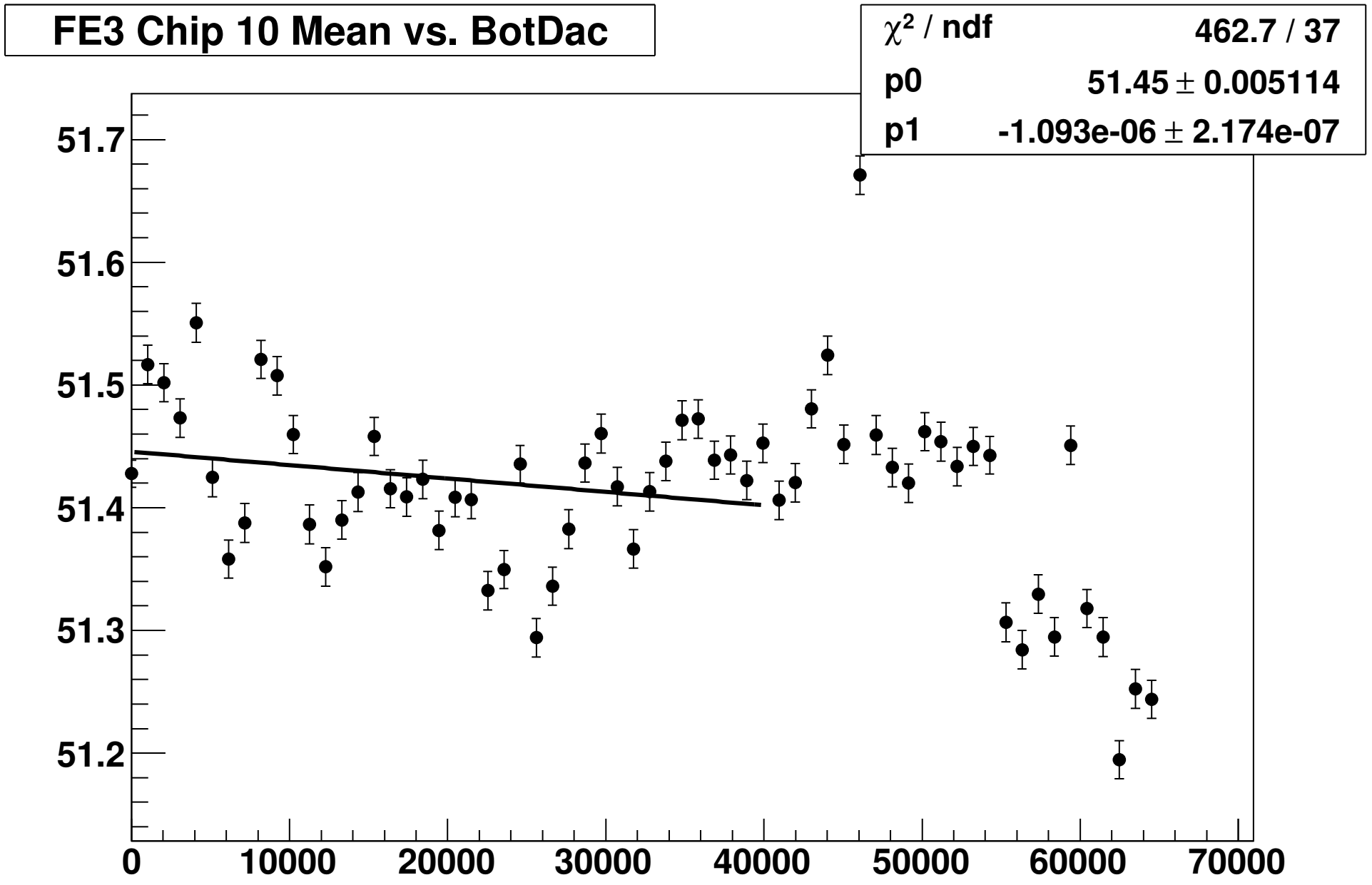
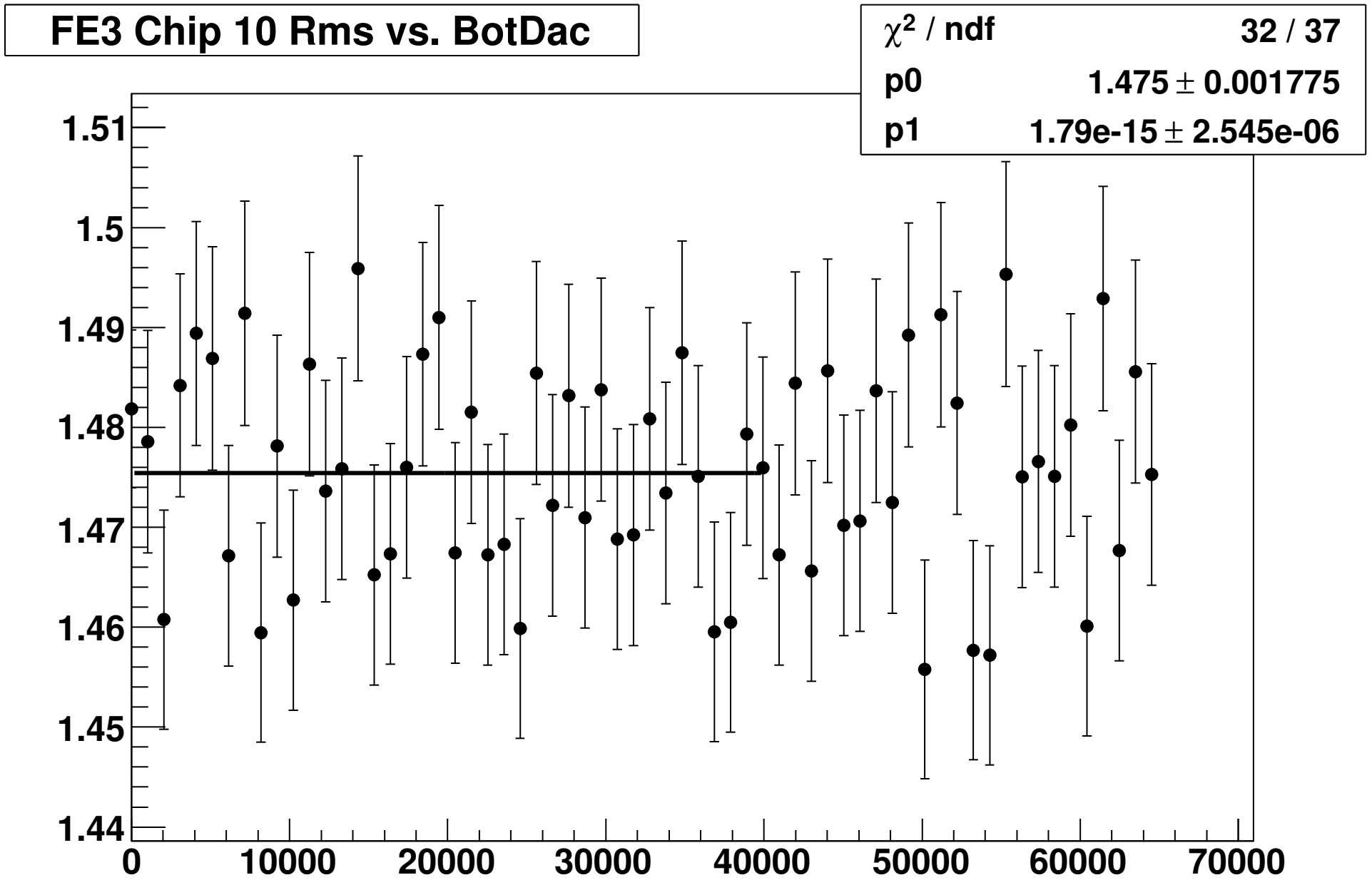
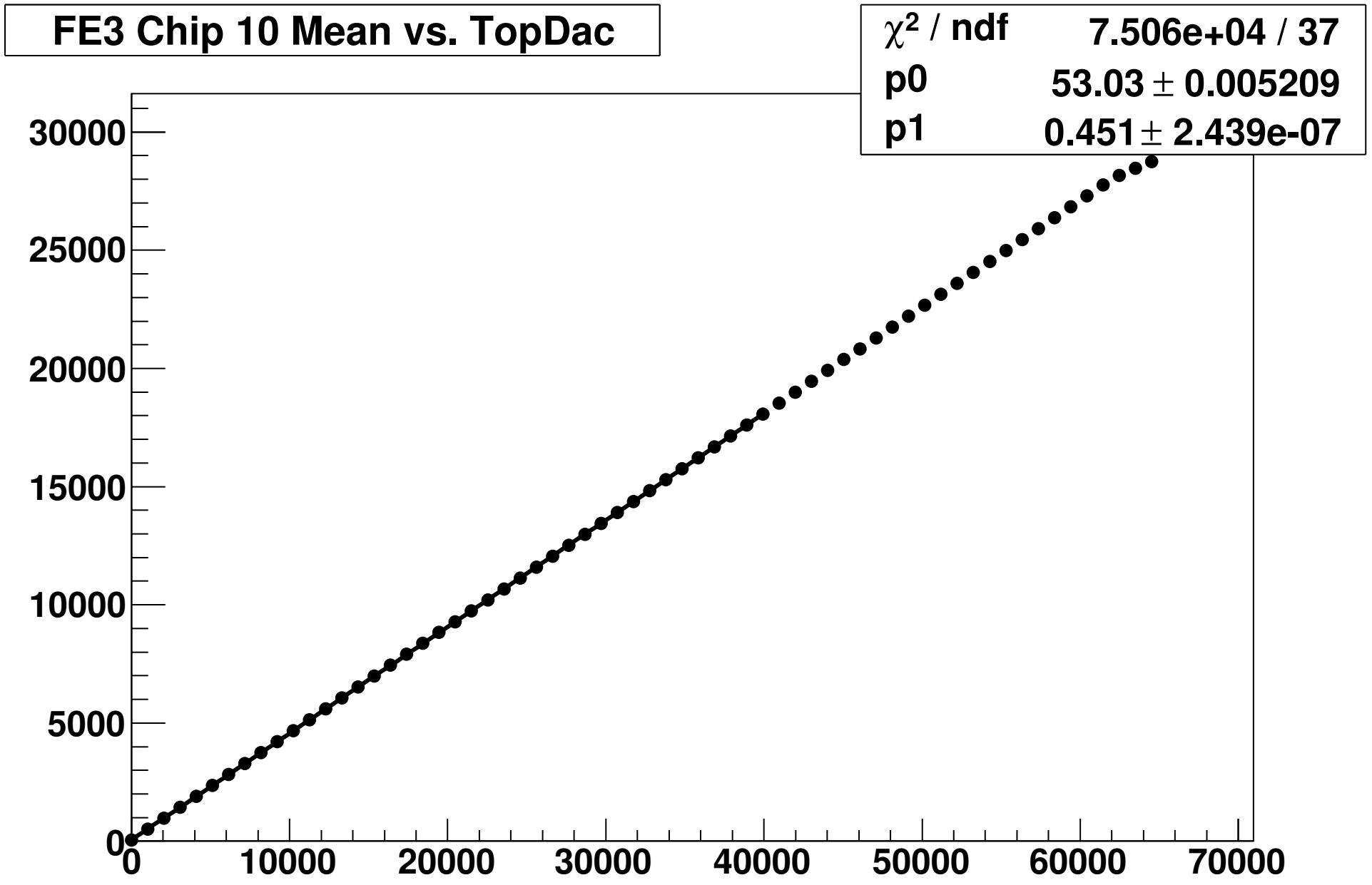
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 841.5 / 37
p0 1.383 ± 0.002835
p1 3.463e-05 ± 2.062e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 462.7 / 37
p0 51.45 ± 0.005114
p1 -1.093e-06 ± 2.174e-07
51.7
51.6
51.5
51.4
51.3
51.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 32 / 37
p0 1.475 ± 0.001775
p1 1.79e-15 ± 2.545e-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


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 7.506e+04 / 37
p0 53.03 ± 0.005209
p1 0.451 ± 2.439e-07
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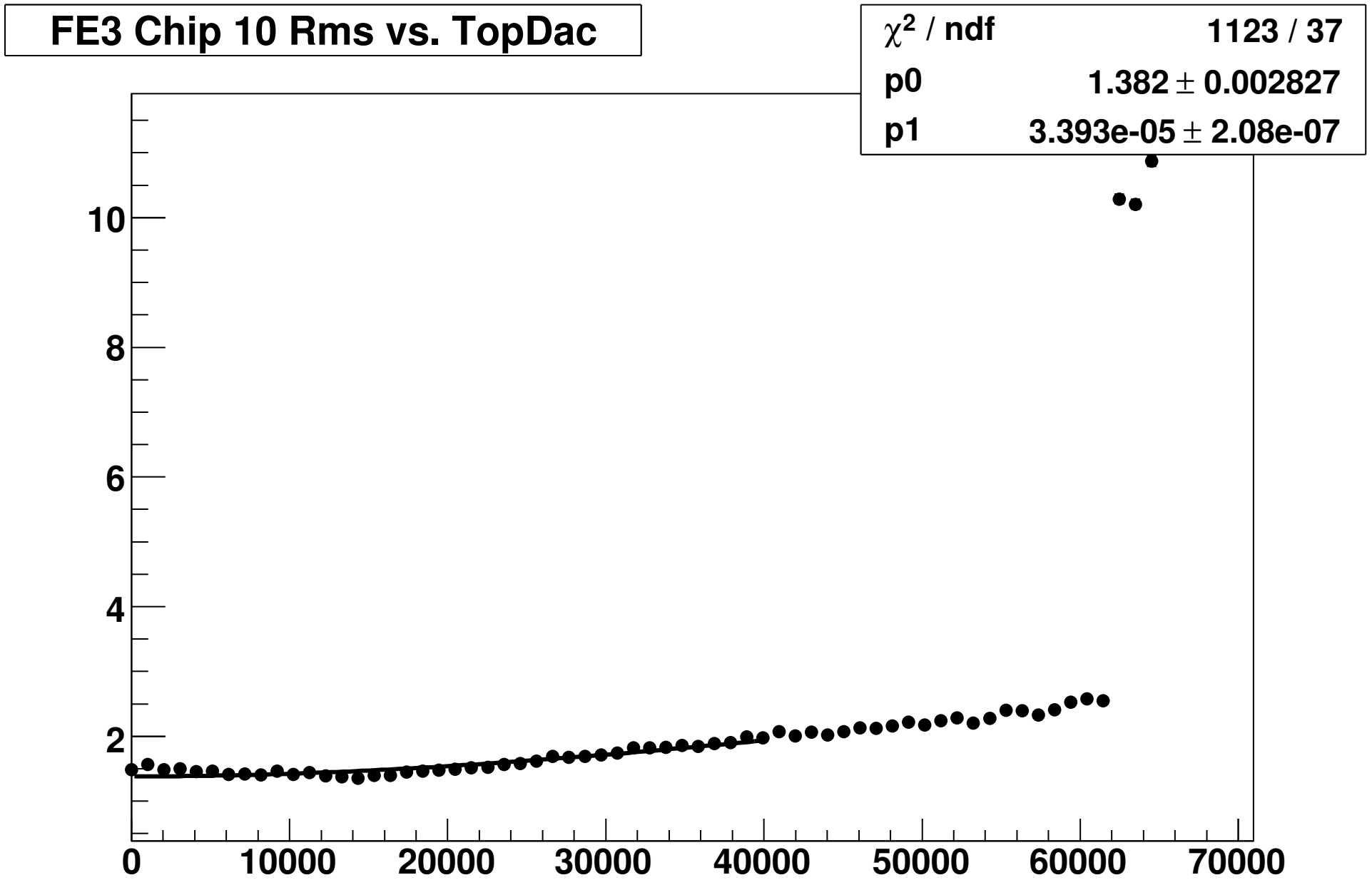
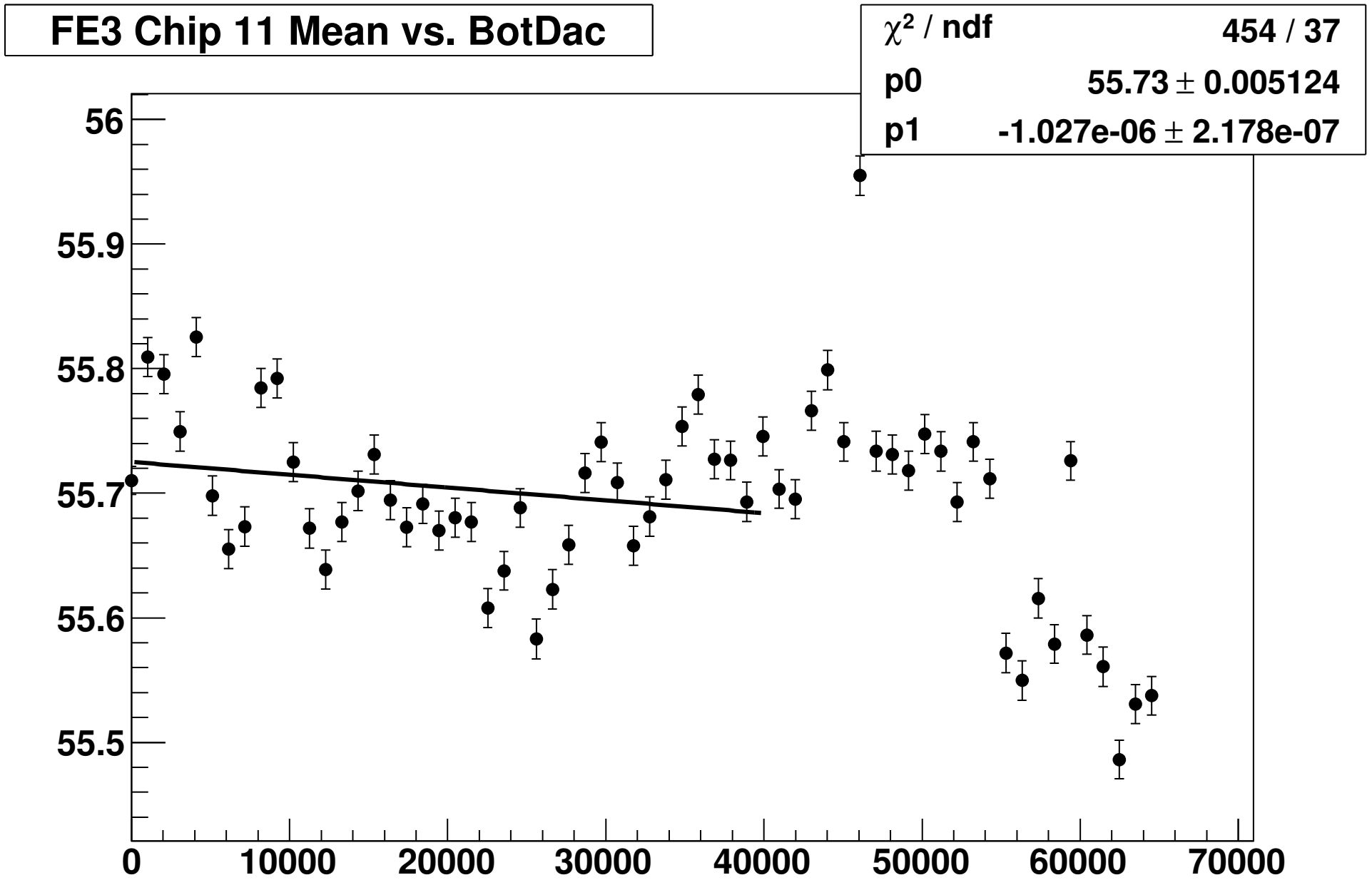
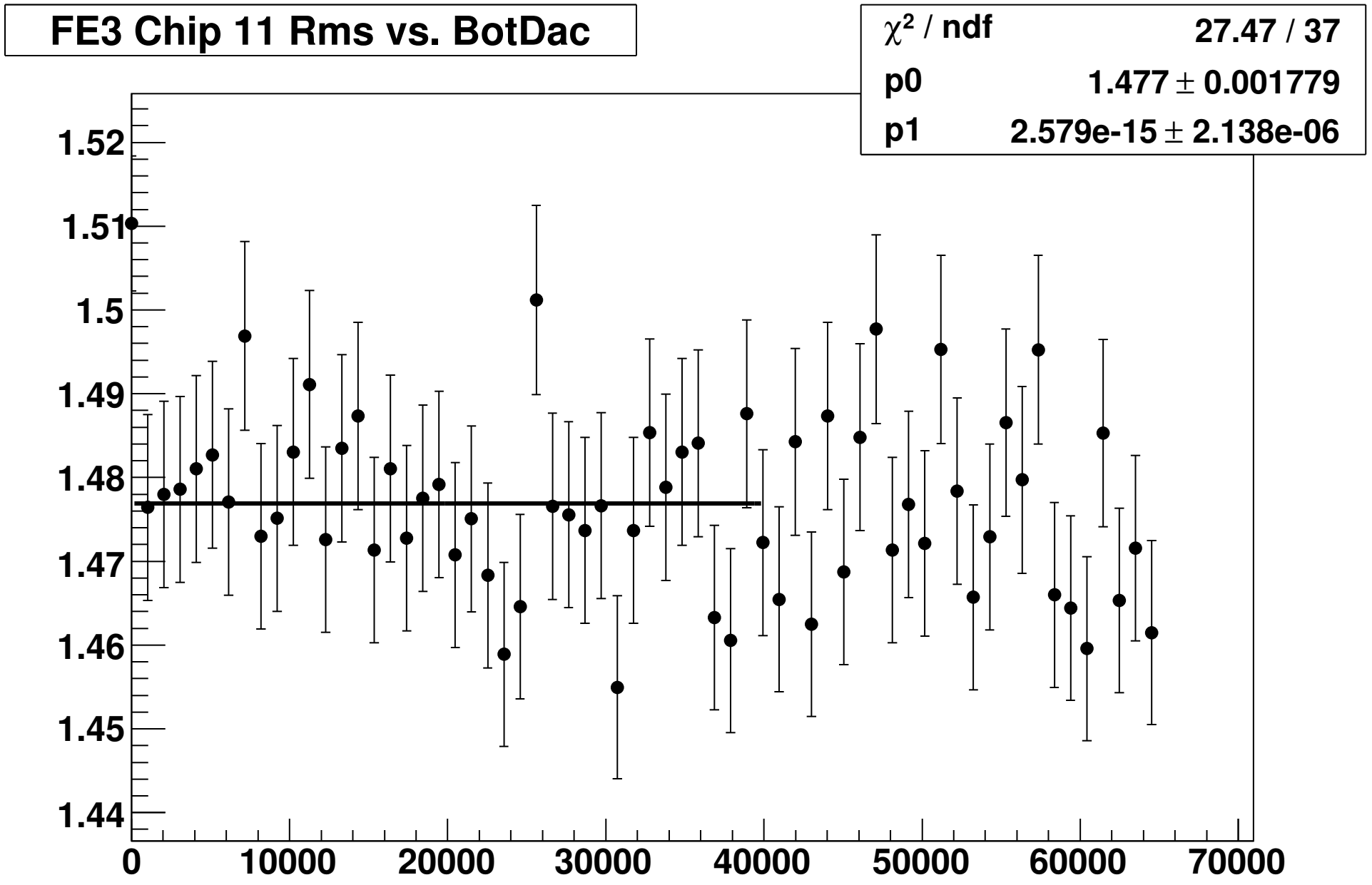
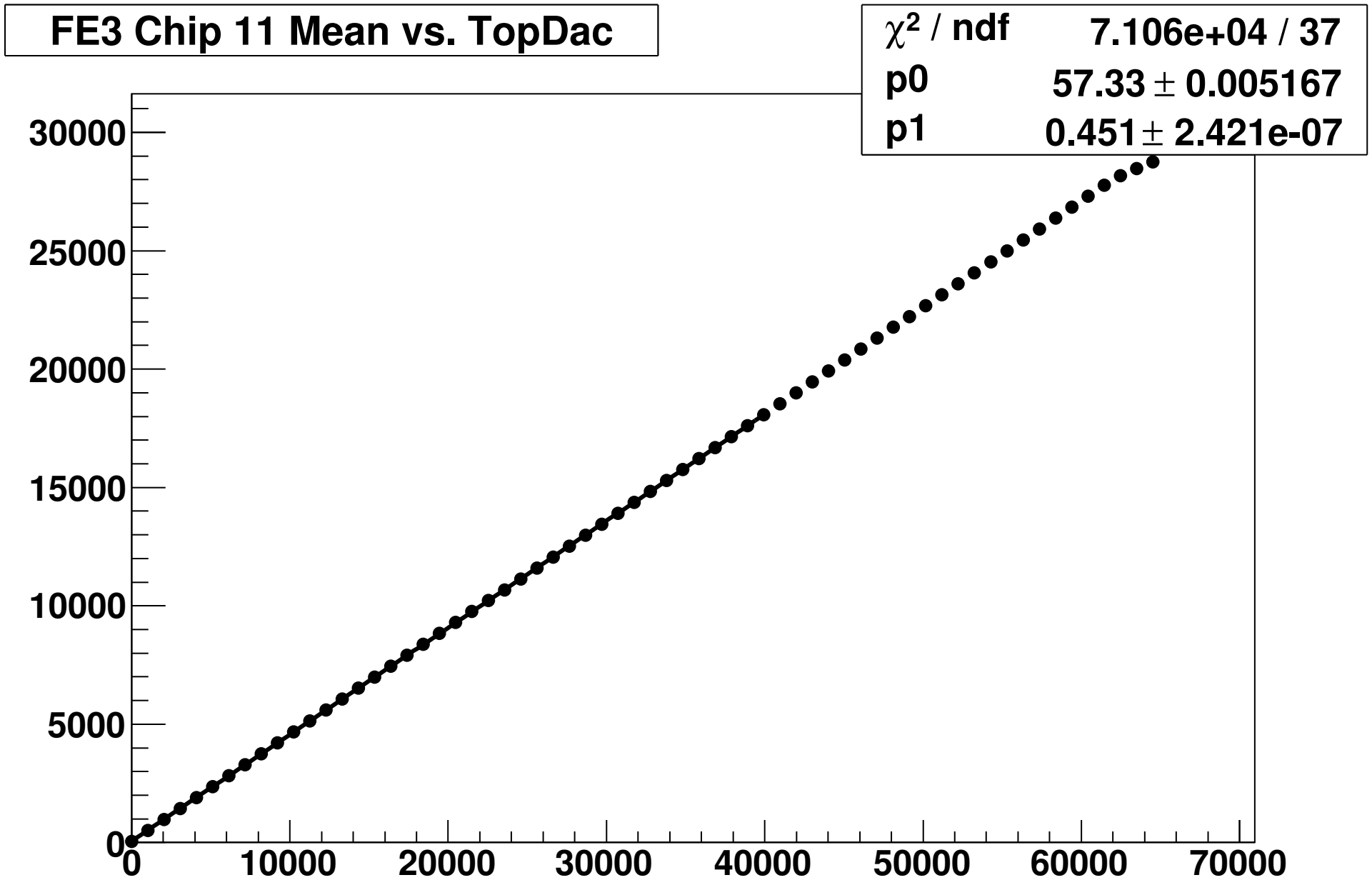
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1123 / 37
p0 1.382 ± 0.002827
p1 3.393e-05 ± 2.08e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 454 / 37
p0 55.73 ± 0.005124
p1 -1.027e-06 ± 2.178e-07
56
55.9
55.8
55.7
55.6
55.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 27.47 / 37
p0 1.477 ± 0.001779
p1 2.579e-15 ± 2.138e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 7.106e+04 / 37
p0 57.33 ± 0.005167
p1 0.451 ± 2.421e-07
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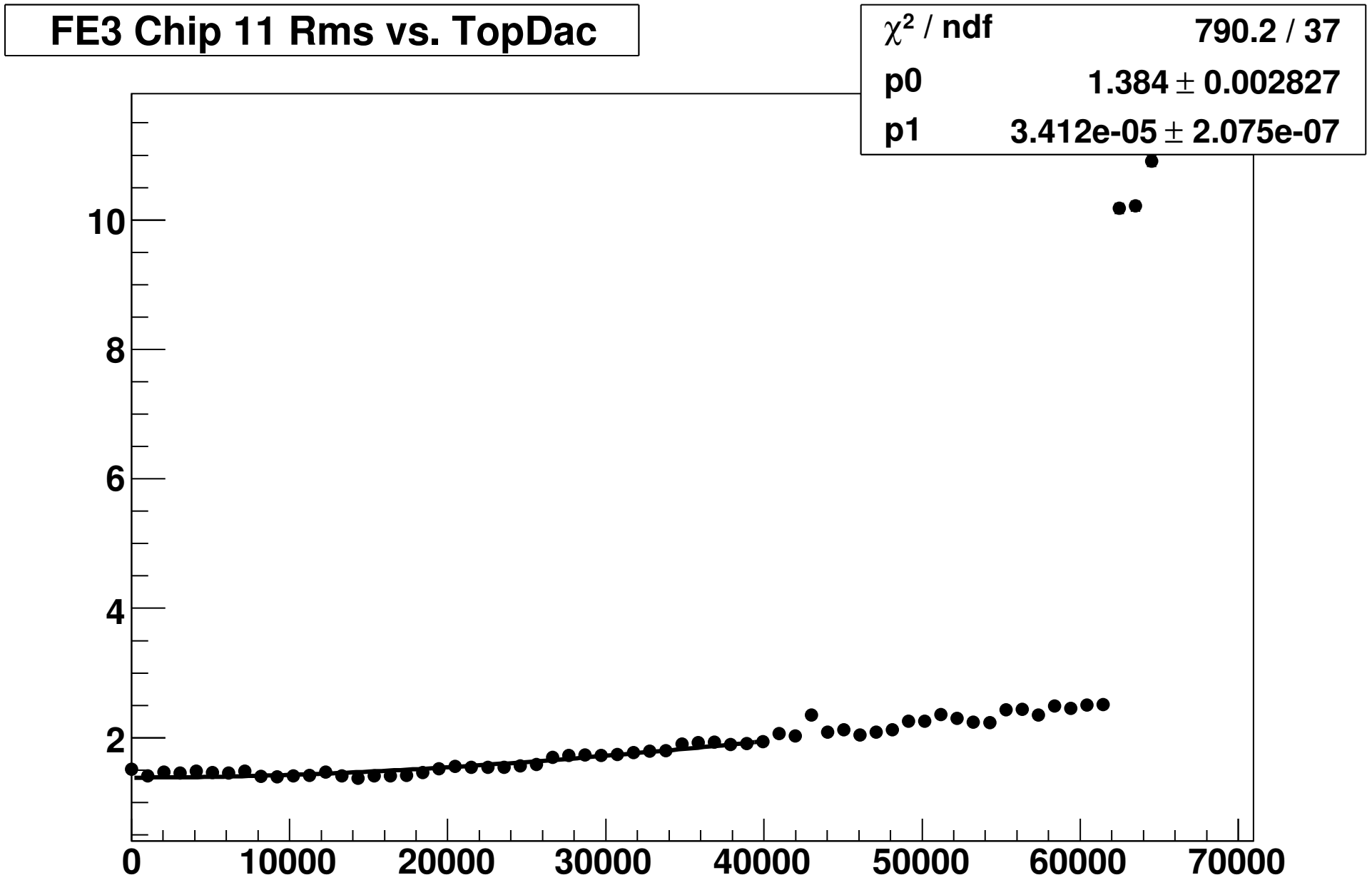
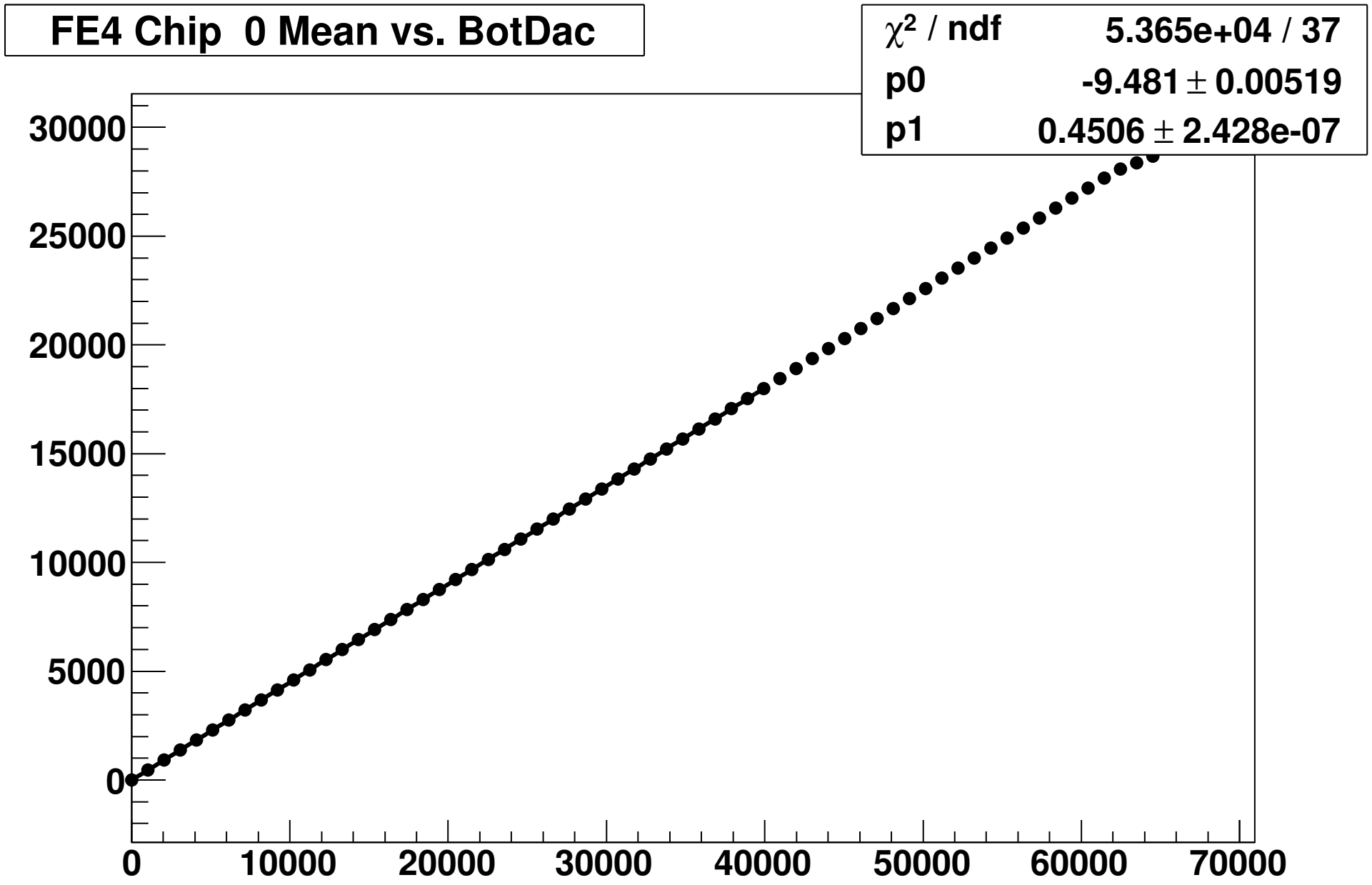
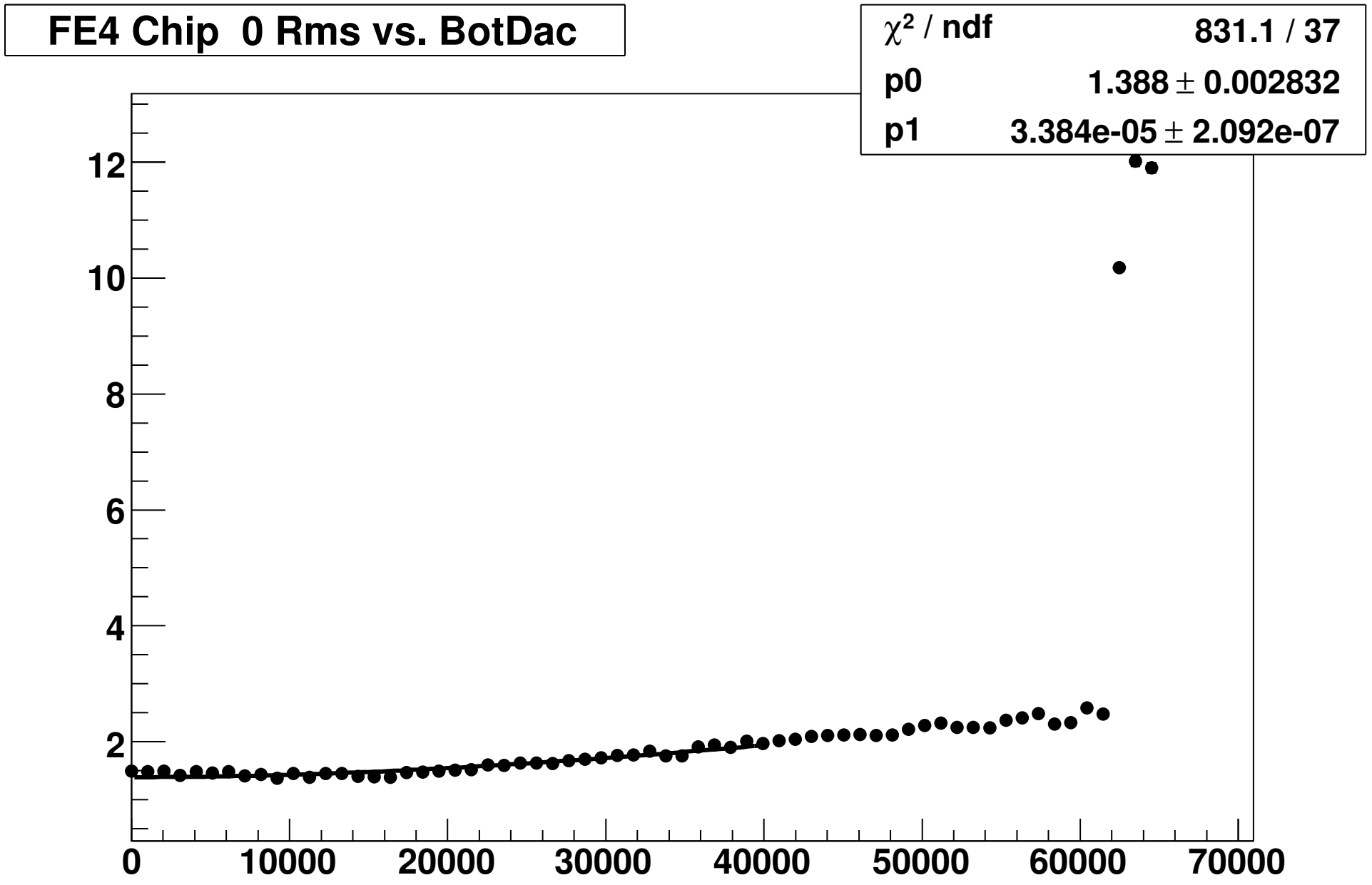
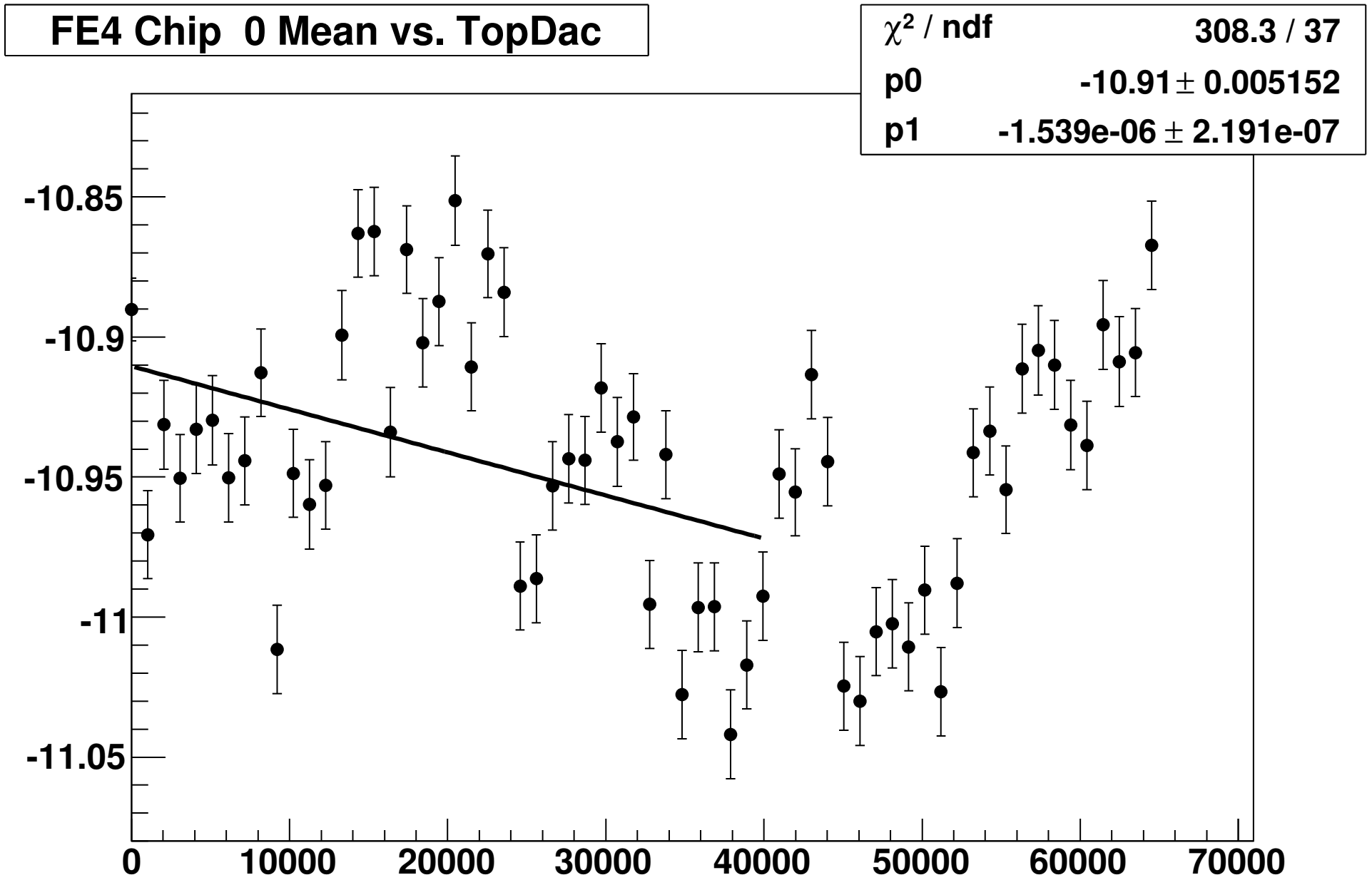
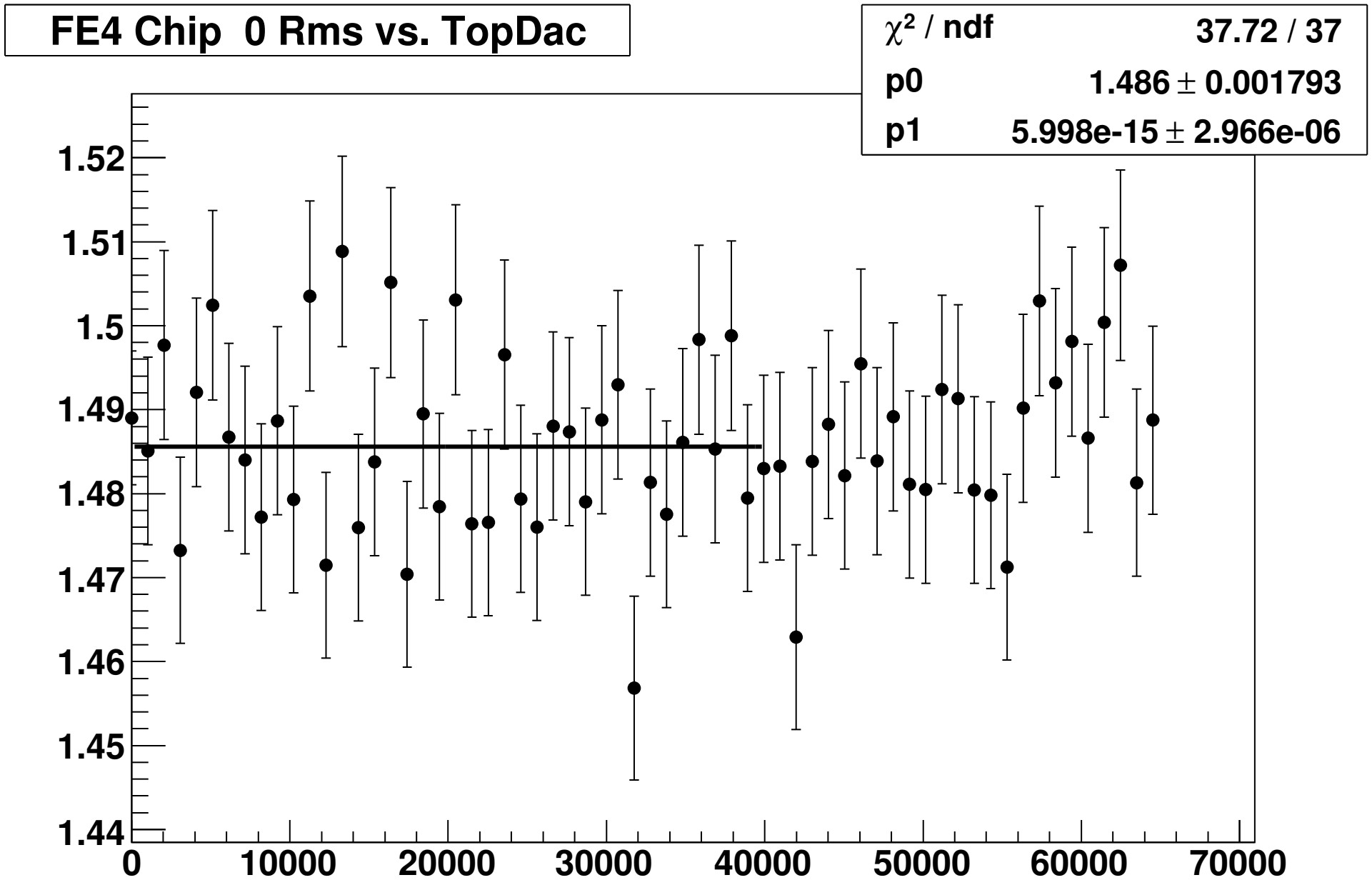
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 790.2 / 37
p0 1.384 ± 0.002827
p1 3.412e-05 ± 2.075e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 5.365e+04 / 37
p0 -9.481 ± 0.00519
p1 0.4506 ± 2.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 831.1 / 37
p0 1.388 ± 0.002832
p1 3.384e-05 ± 2.092e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 308.3 / 37
p0 -10.91 ± 0.005152
p1 -1.539e-06 ± 2.191e-07
-10.85
-10.9
-10.95
-11
-11.05
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 37.72 / 37
p0 1.486 ± 0.001793
p1 5.998e-15 ± 2.966e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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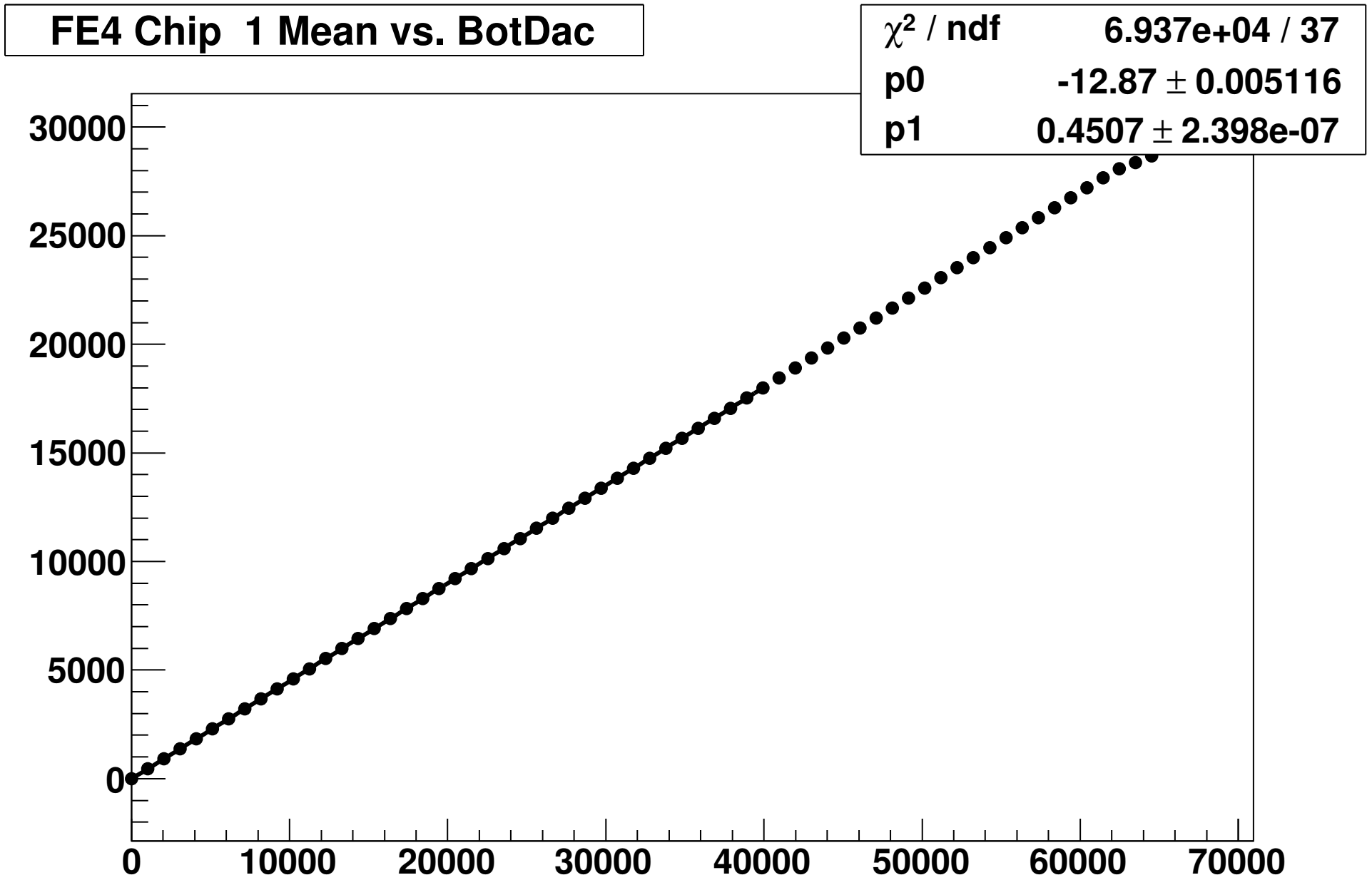
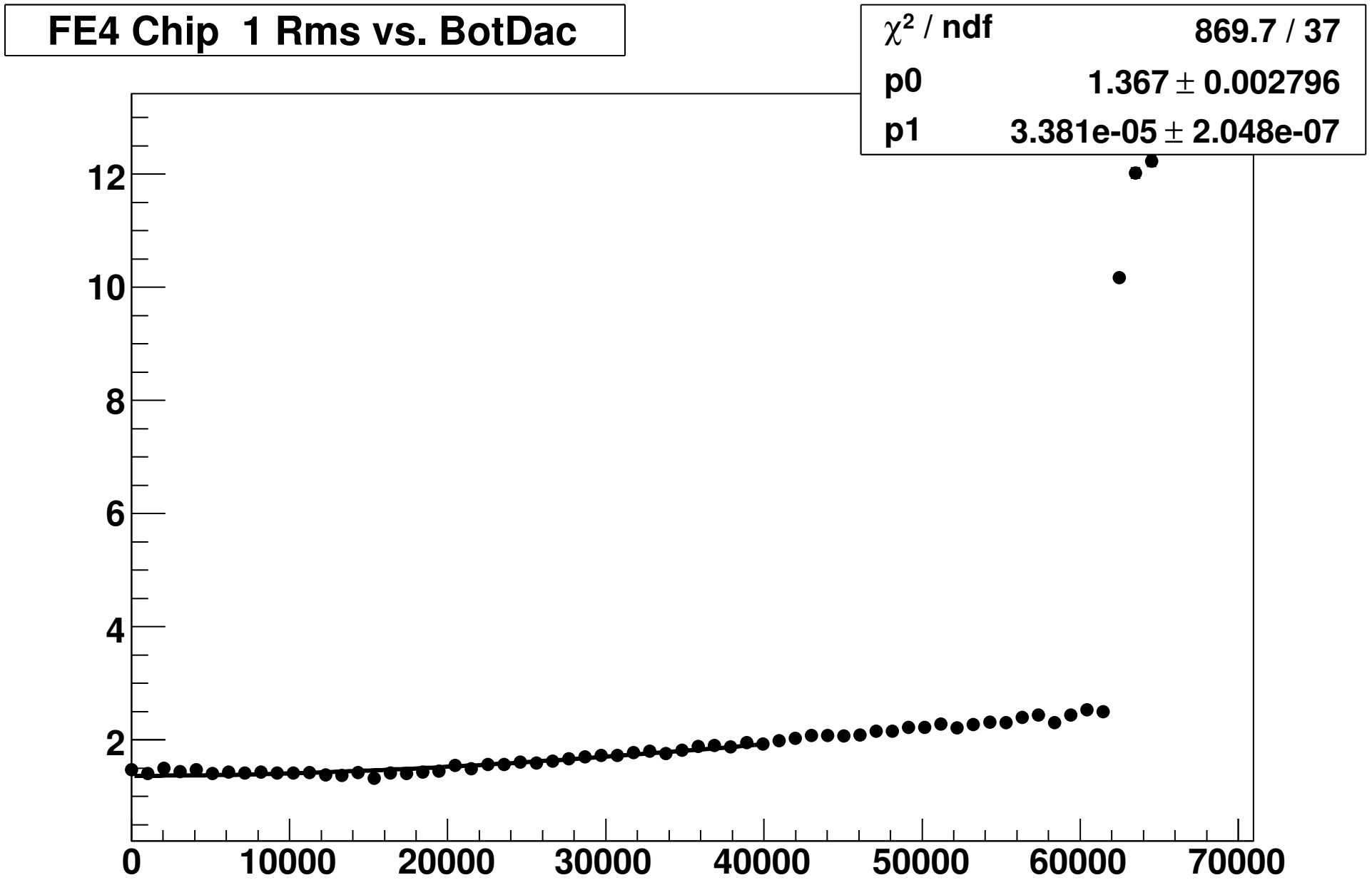
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 6.937e+04 / 37
p0 -12.87 ± 0.005116
p1 0.4507 ± 2.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 869.7 / 37
p0 1.367 ± 0.002796
p1 3.381e-05 ± 2.048e-07
12
10
8
6
4
2
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30000
40000
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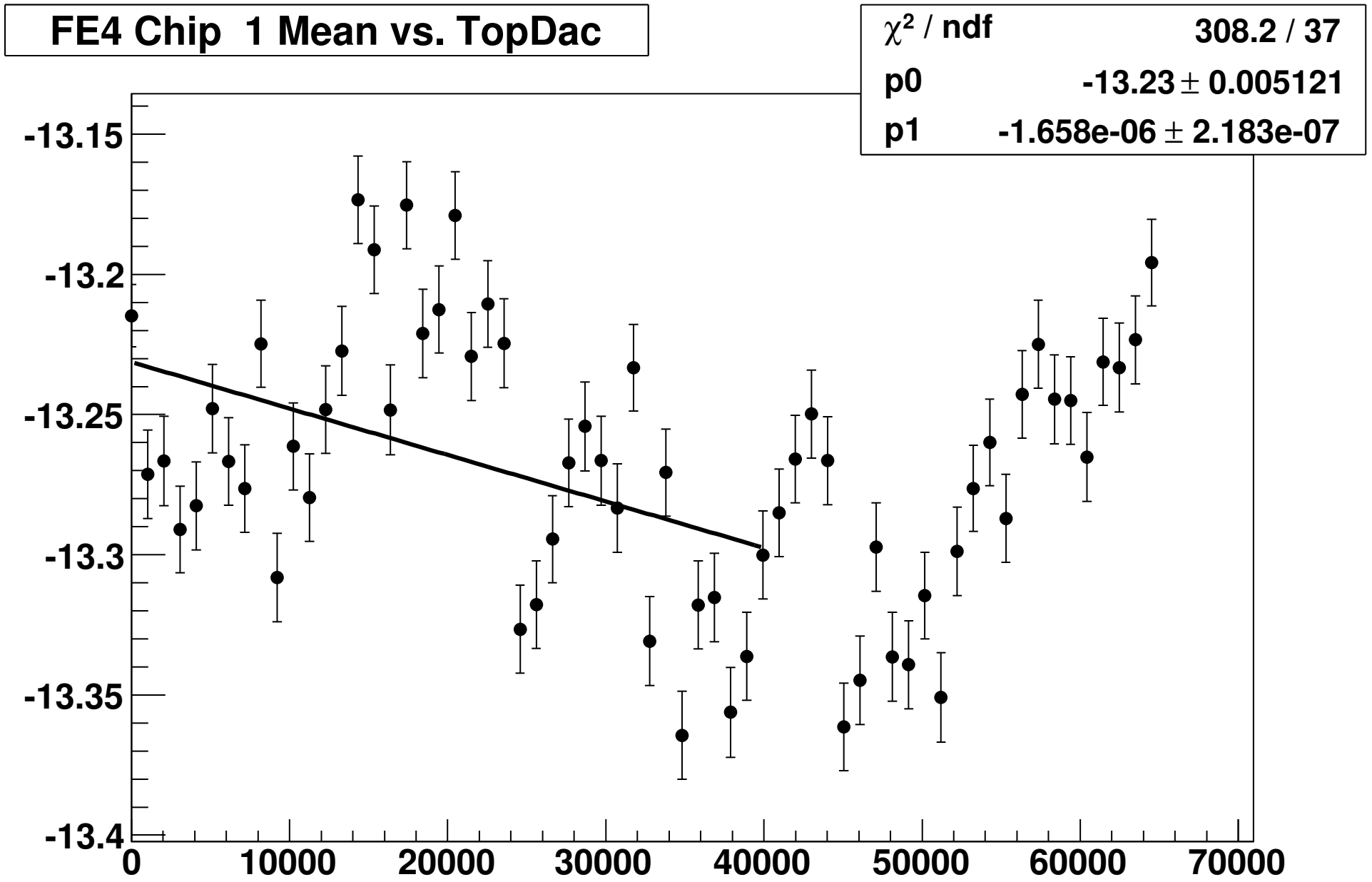
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 308.2 / 37
p0 -13.23 ± 0.005121
p1 -1.658e-06 ± 2.183e-07
-13.15
-13.2
-13.25
-13.3
-13.35
-13.4
0
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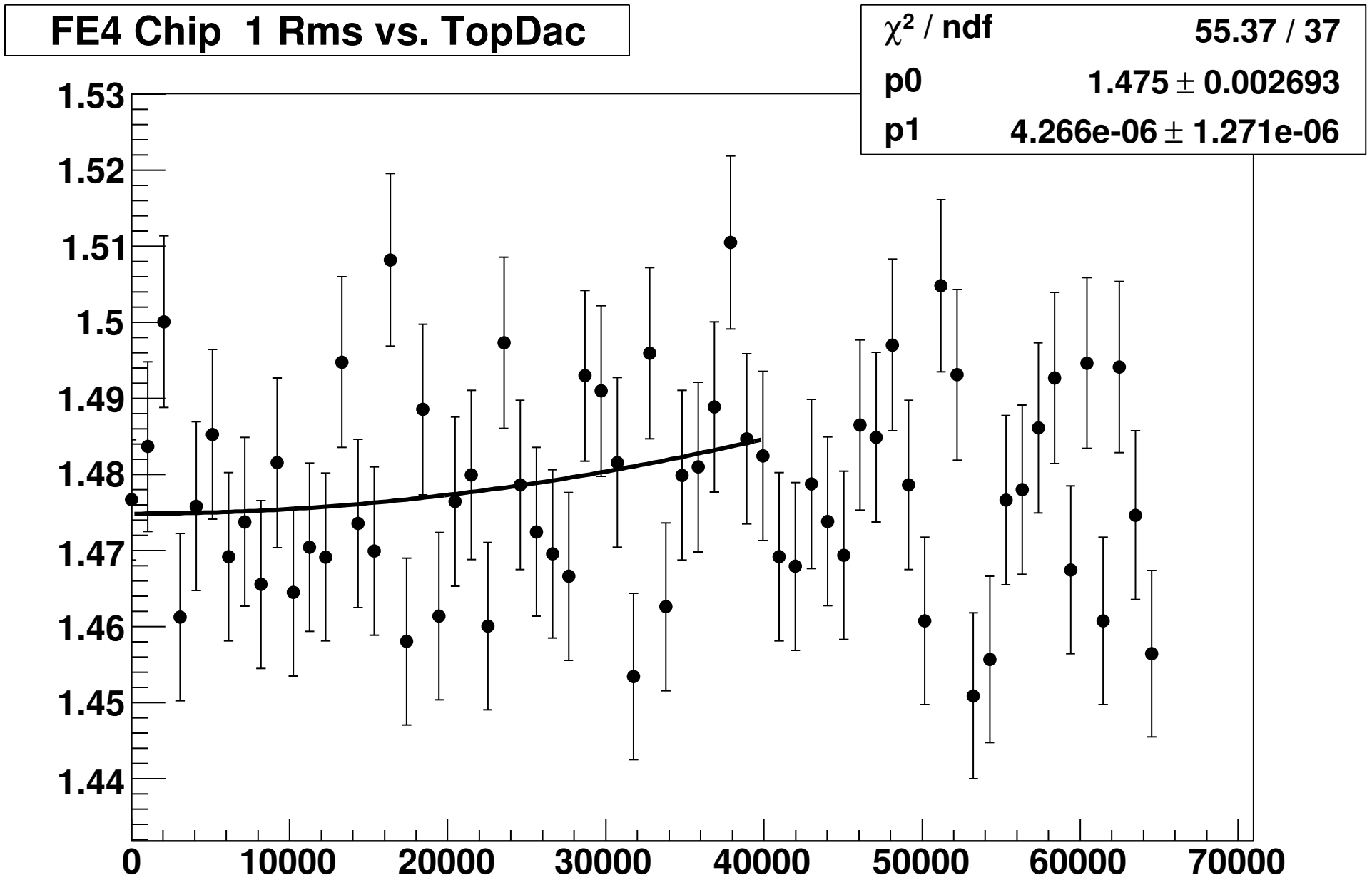
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 55.37 / 37
p0 1.475 ± 0.002693
p1 4.266e-06 ± 1.271e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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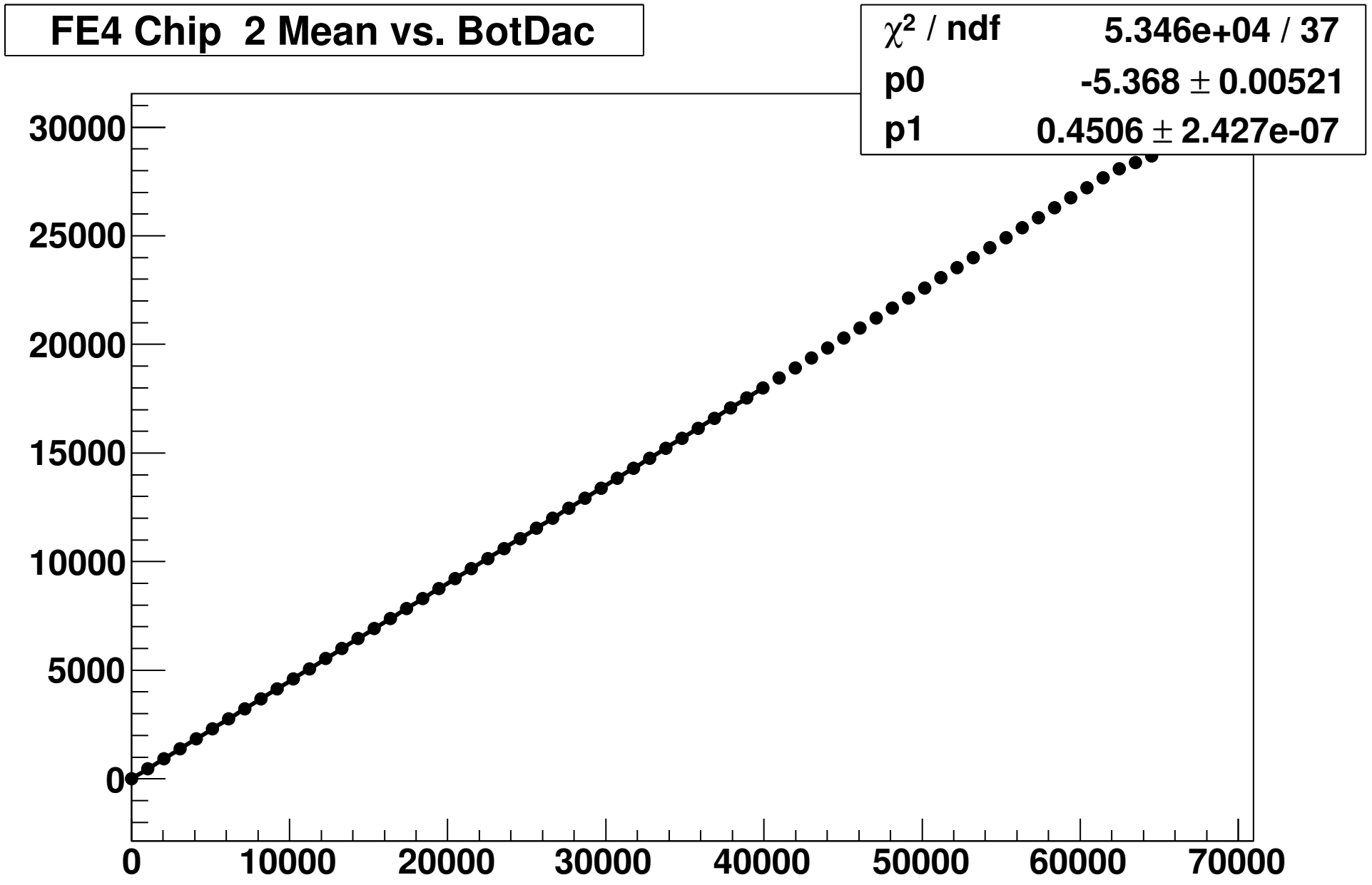
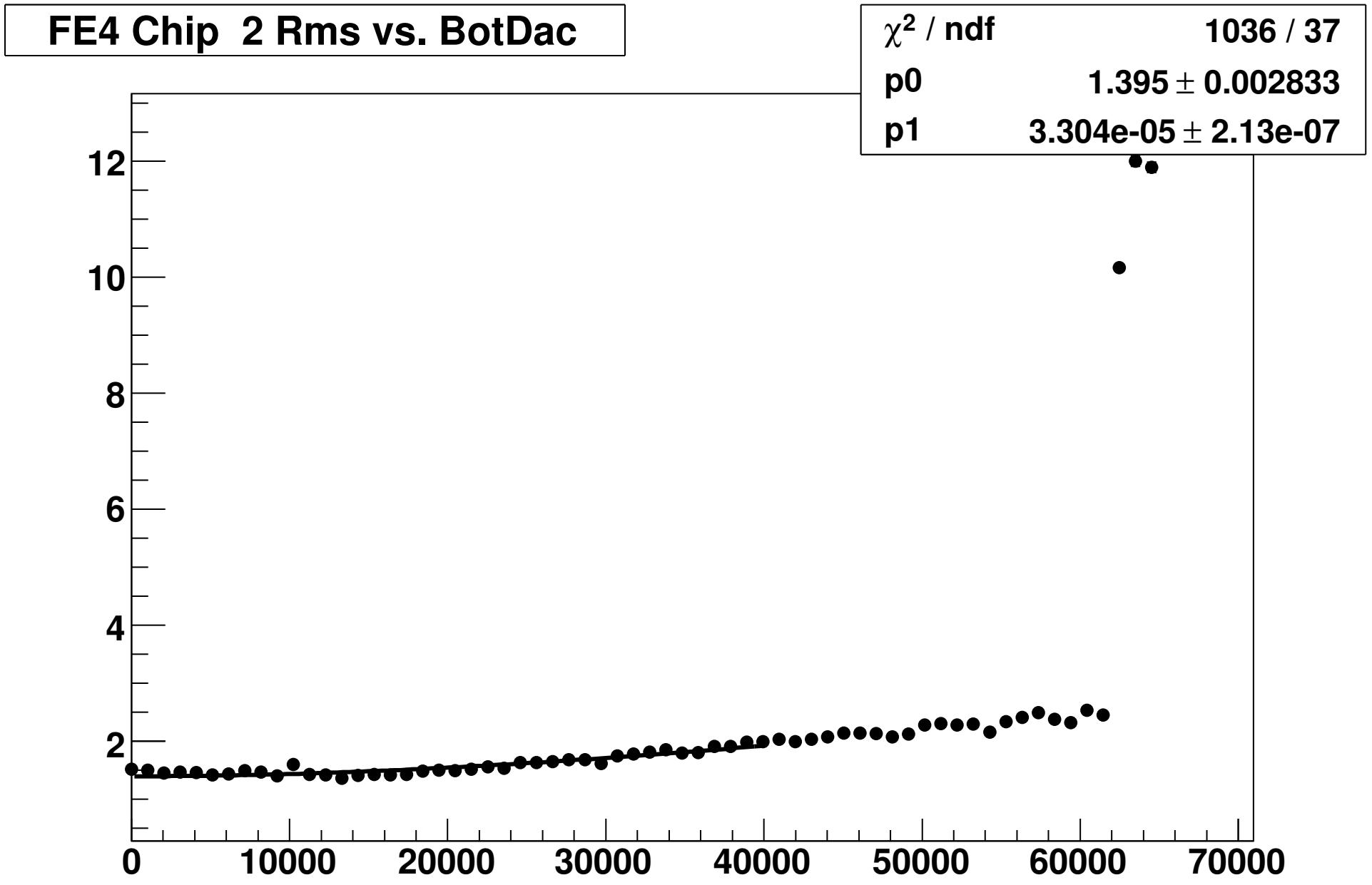

FE4 Chip 2 Mean vs. BotDac
χ² / ndf 5.346e+04 / 37
p0 -5.368 ± 0.00521
p1 0.4506 ± 2.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1036 / 37
p0 1.395 ± 0.002833
p1 3.304e-05 ± 2.13e-07
12
10
8
6
4
2
0
10000
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30000
40000
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60000
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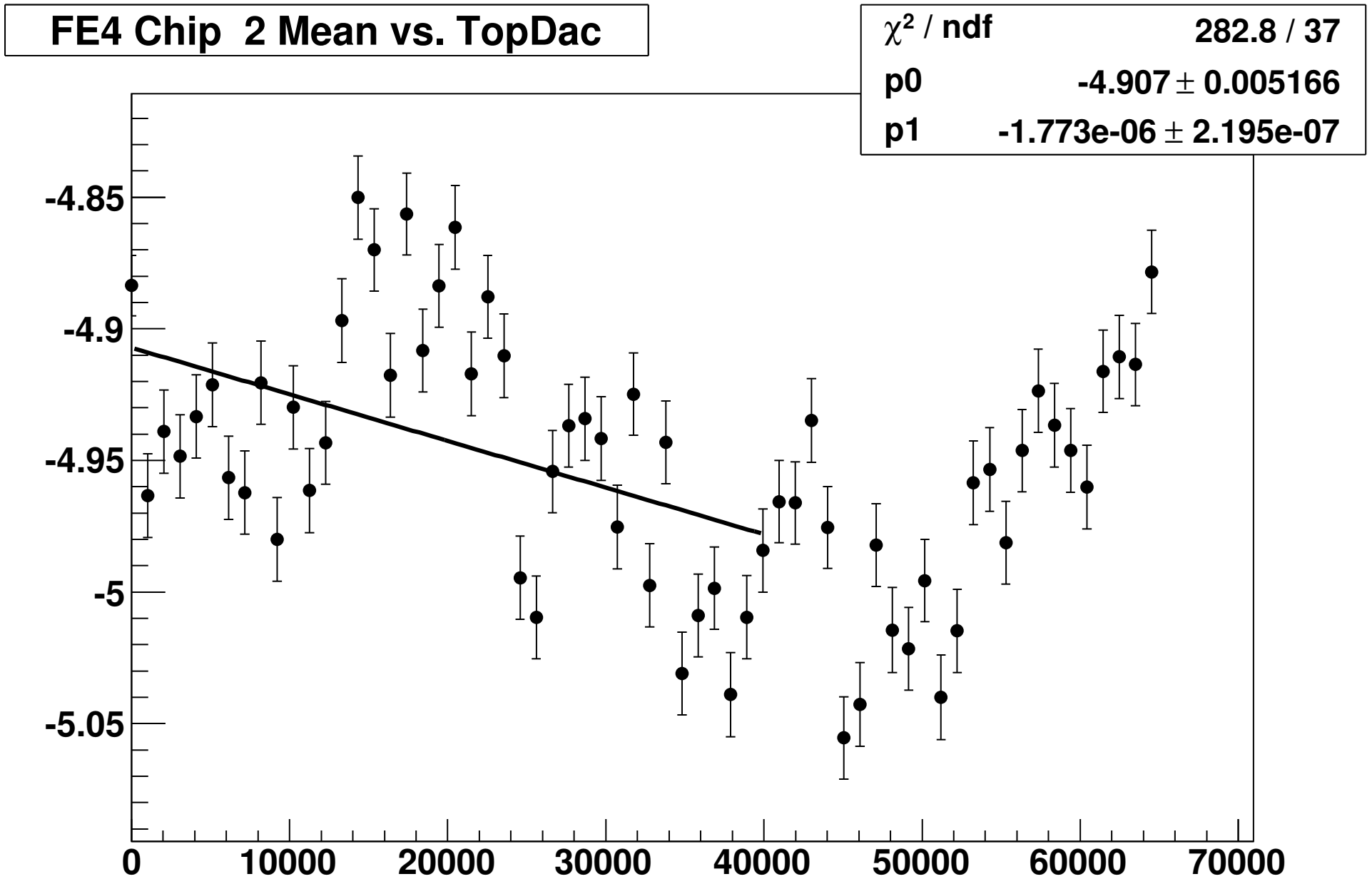
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 282.8 / 37
p0 -4.907 ± 0.005166
p1 -1.773e-06 ± 2.195e-07
-4.85
-4.9
-4.95
-5
-5.05
0
10000
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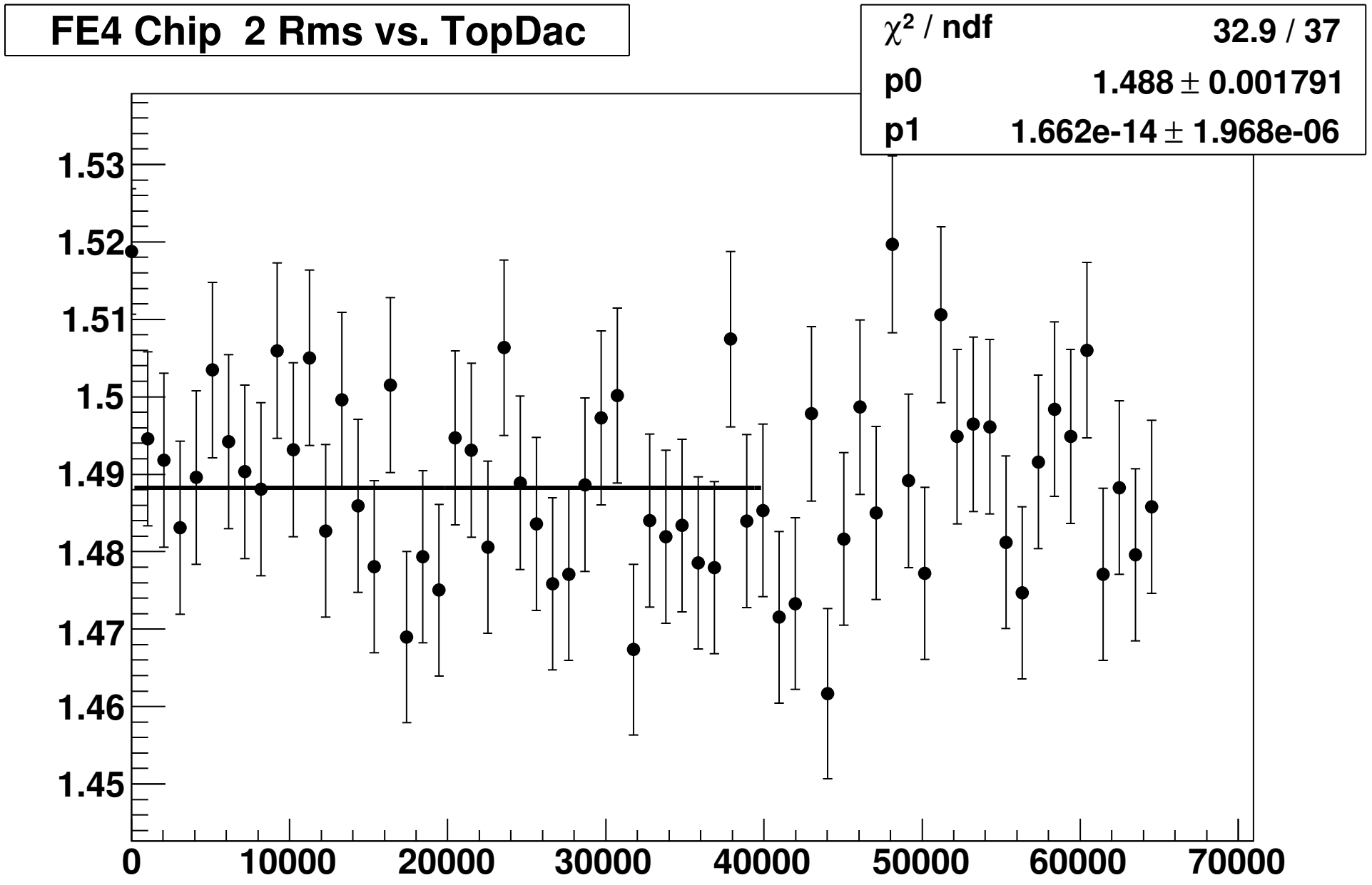
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 32.9 / 37
p0 1.488 ± 0.001791
p1 1.662e-14 ± 1.968e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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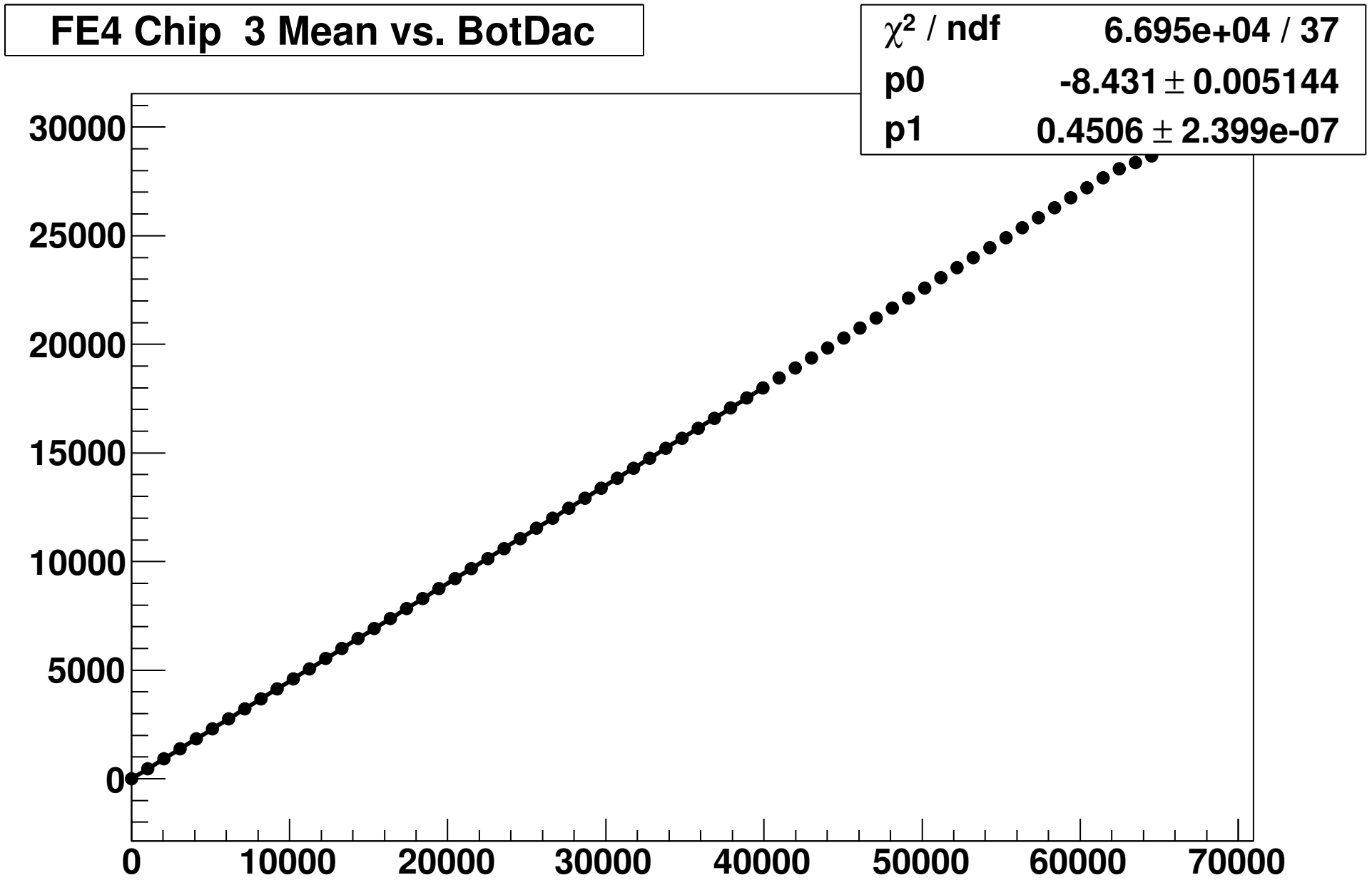
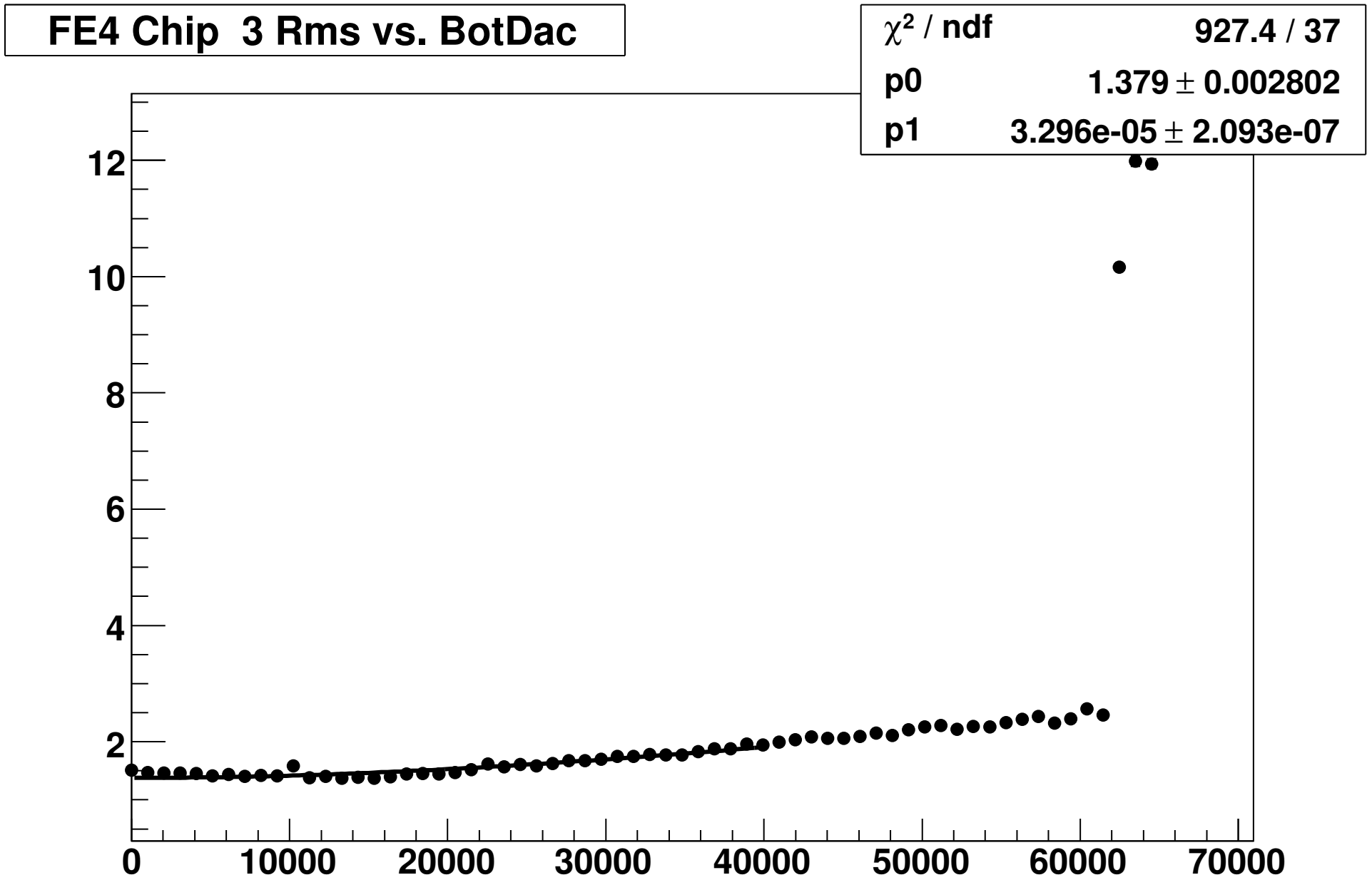
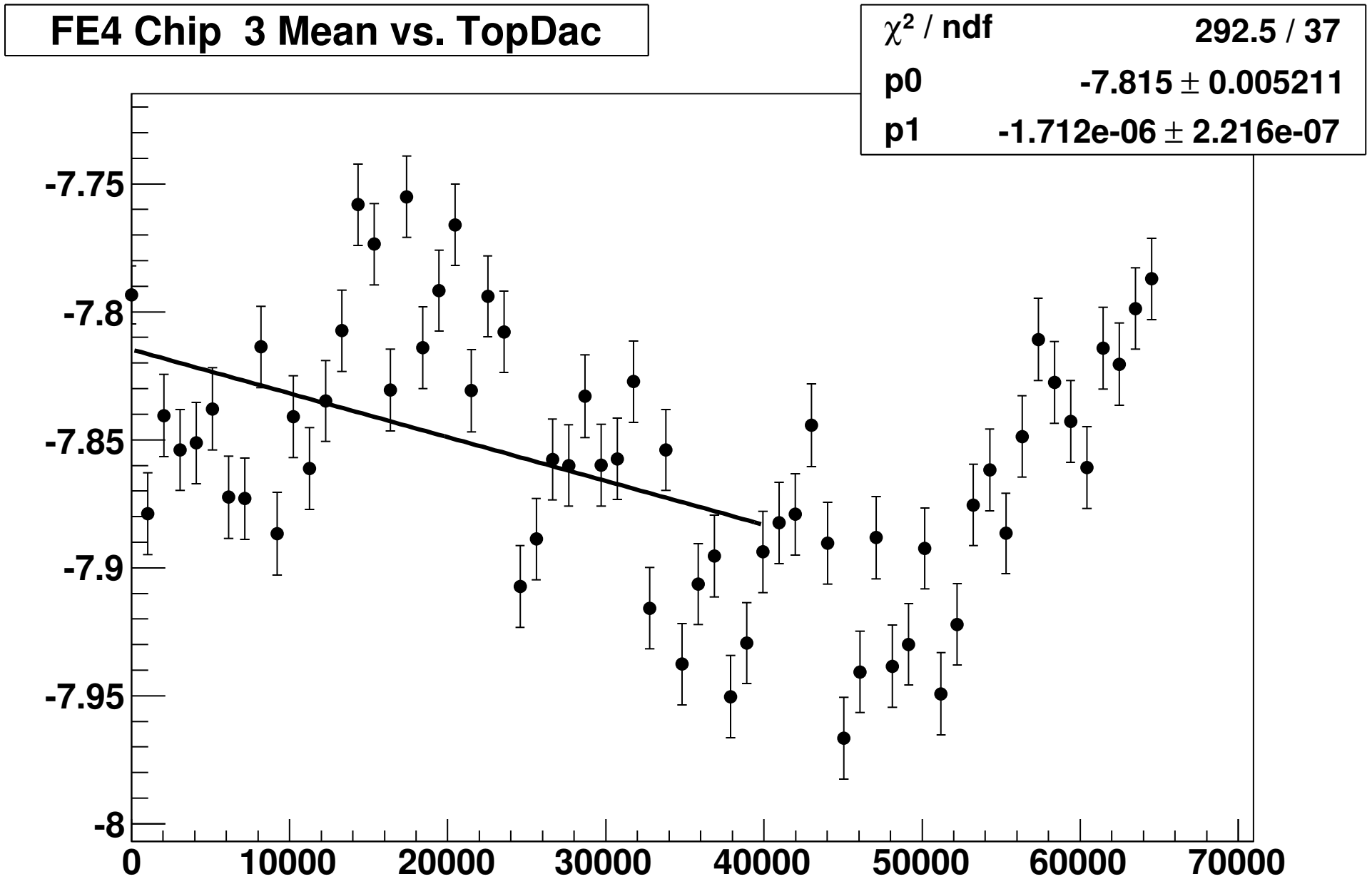

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 6.695e+04 / 37
p0 -8.431 ± 0.005144
p1 0.4506 ± 2.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 927.4 / 37
p0 1.379 ± 0.002802
p1 3.296e-05 ± 2.093e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 292.5 / 37
p0 -7.815 ± 0.005211
p1 -1.712e-06 ± 2.216e-07
-7.75
-7.8
-7.85
-7.9
-7.95
-8
0
10000
20000
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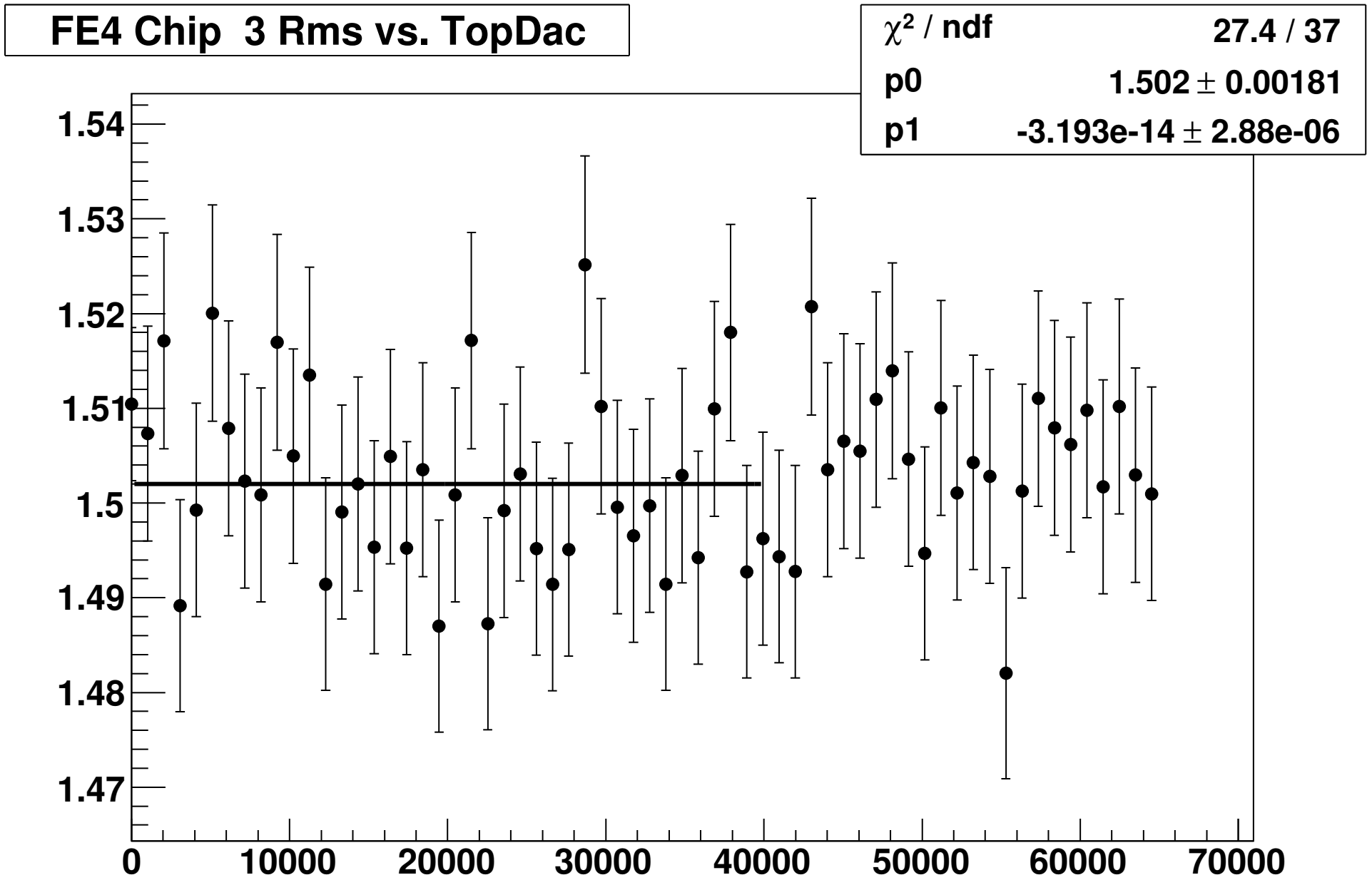
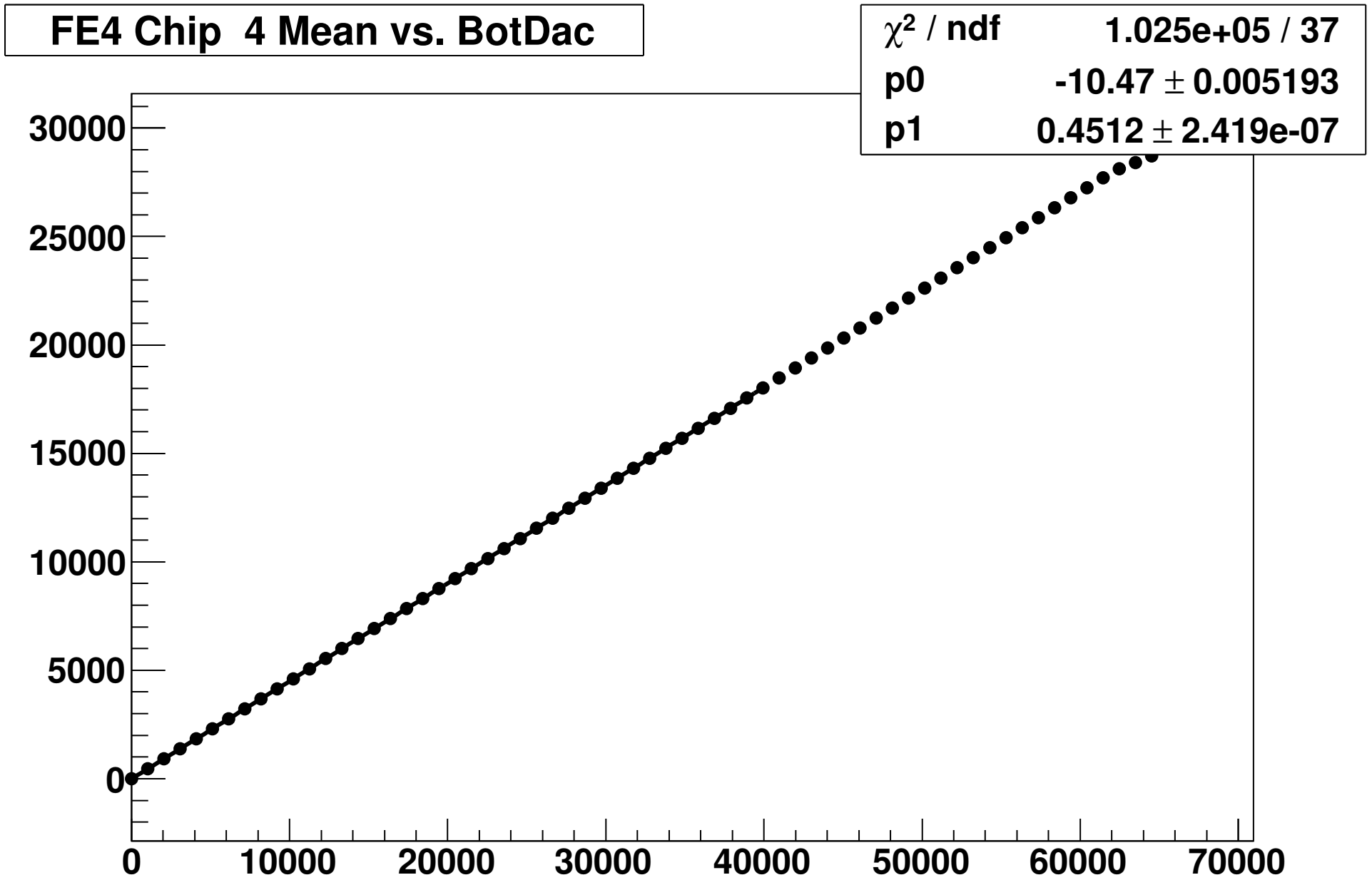
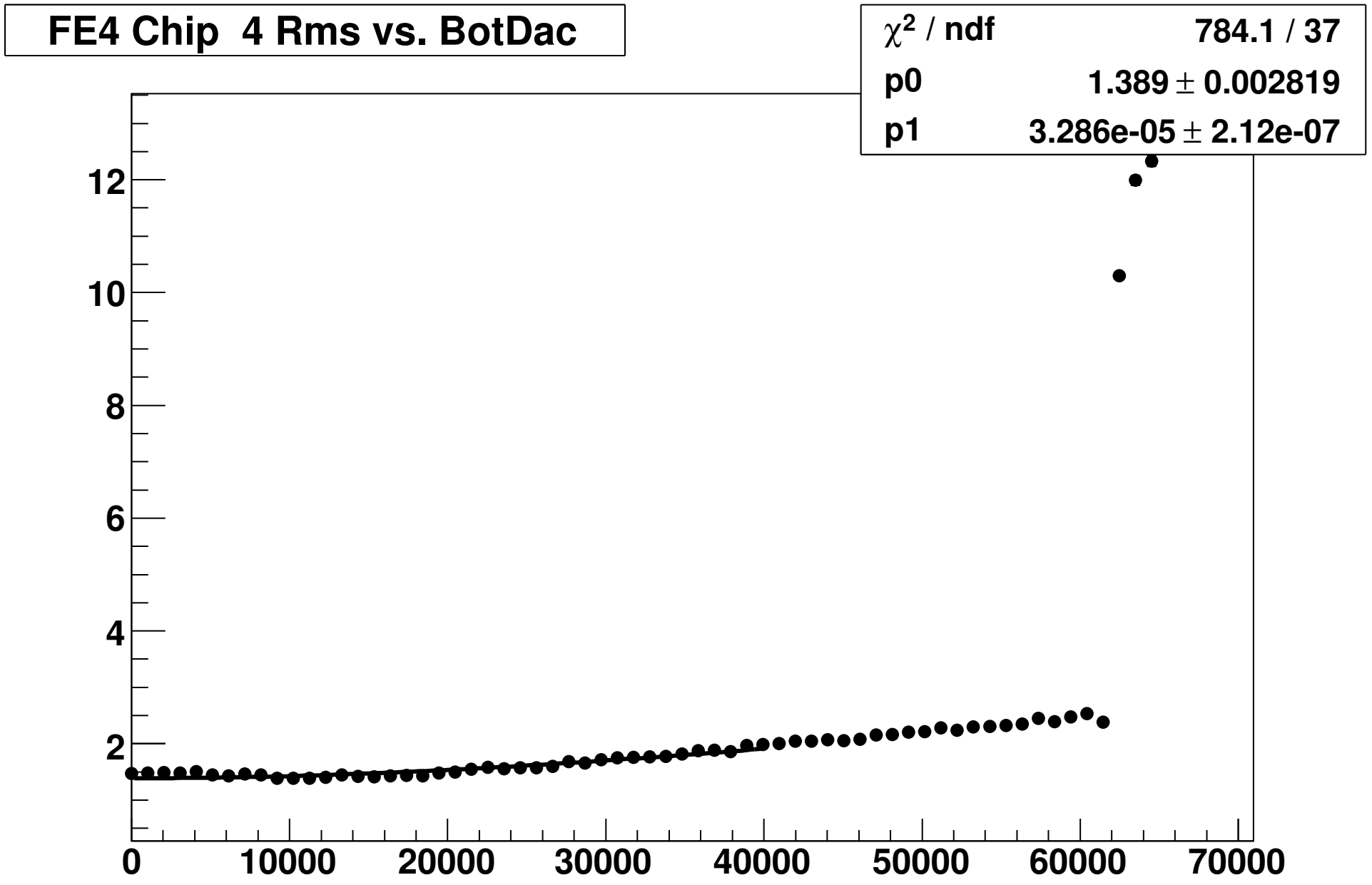
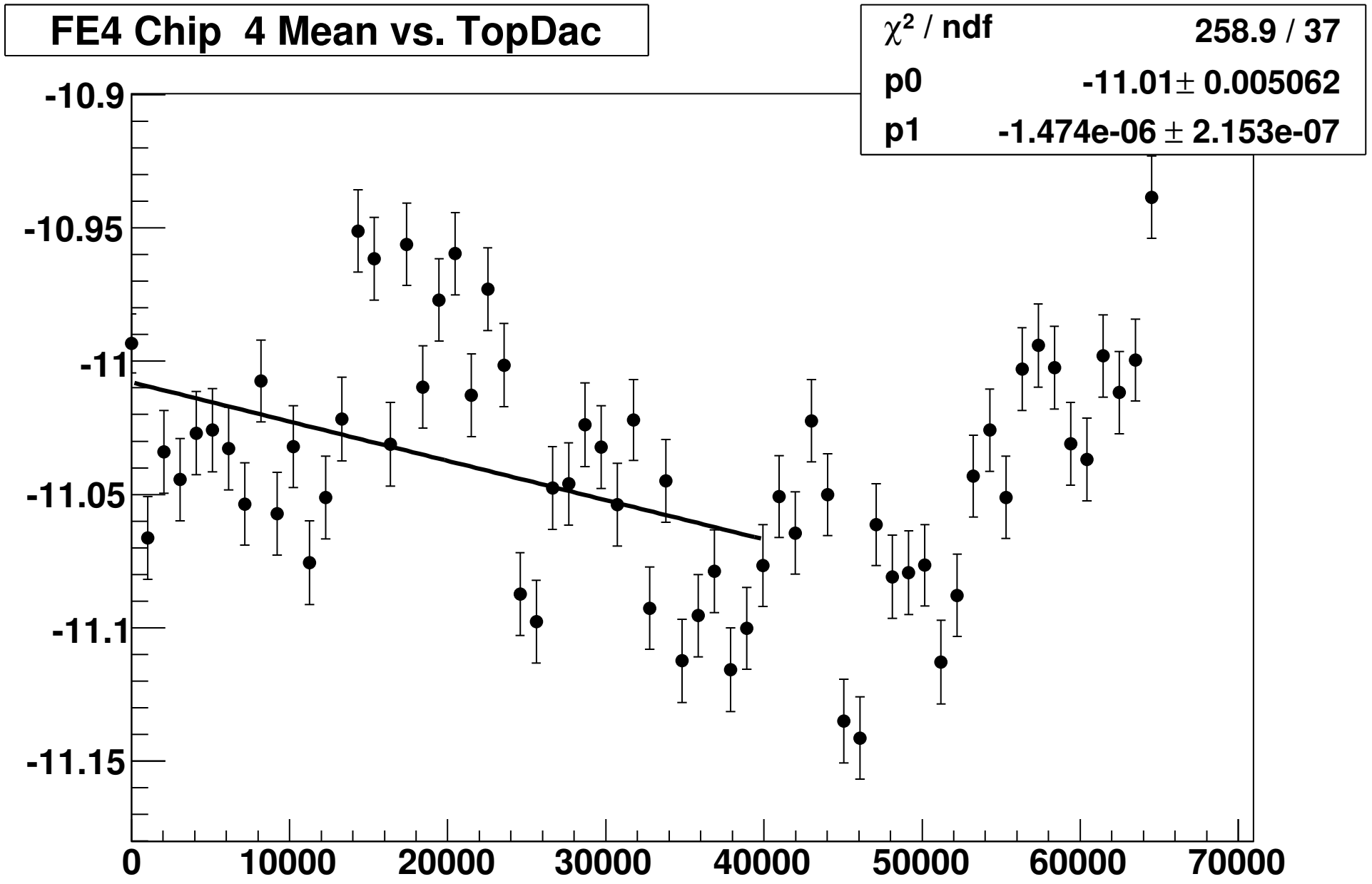
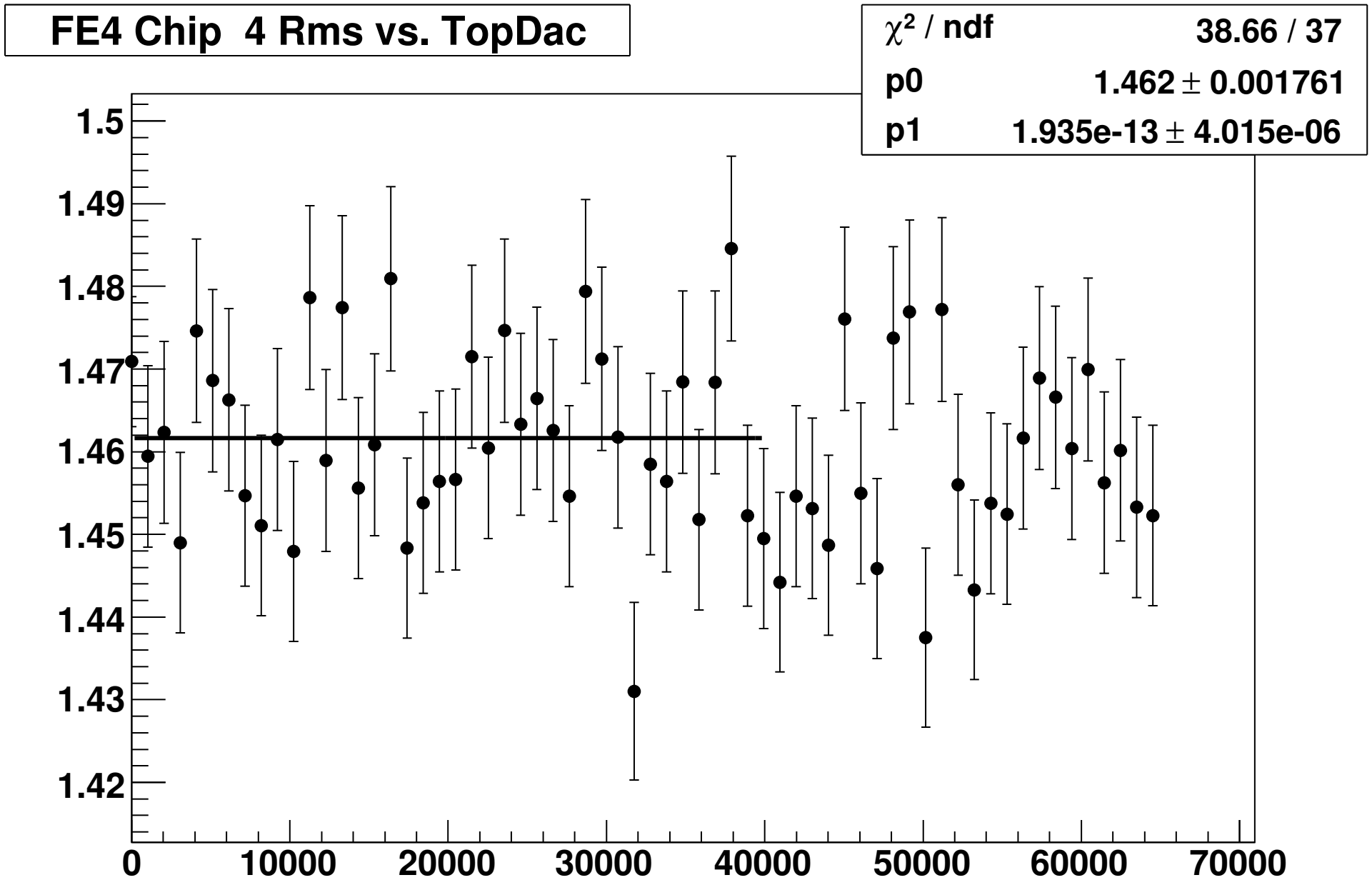
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 27.4 / 37
p0 1.502 ± 0.00181
p1 -3.193e-14 ± 2.88e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 1.025e+05 / 37
p0 -10.47 ± 0.005193
p1 0.4512 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 784.1 / 37
p0 1.389 ± 0.002819
p1 3.286e-05 ± 2.12e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 258.9 / 37
p0 -11.01± 0.005062
p1 -1.474e-06 ± 2.153e-07
-10.9
-10.95
-11
-11.05
-11.1
-11.15
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 38.66 / 37
p0 1.462 ± 0.001761
p1 1.935e-13 ± 4.015e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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20000
30000
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50000
60000
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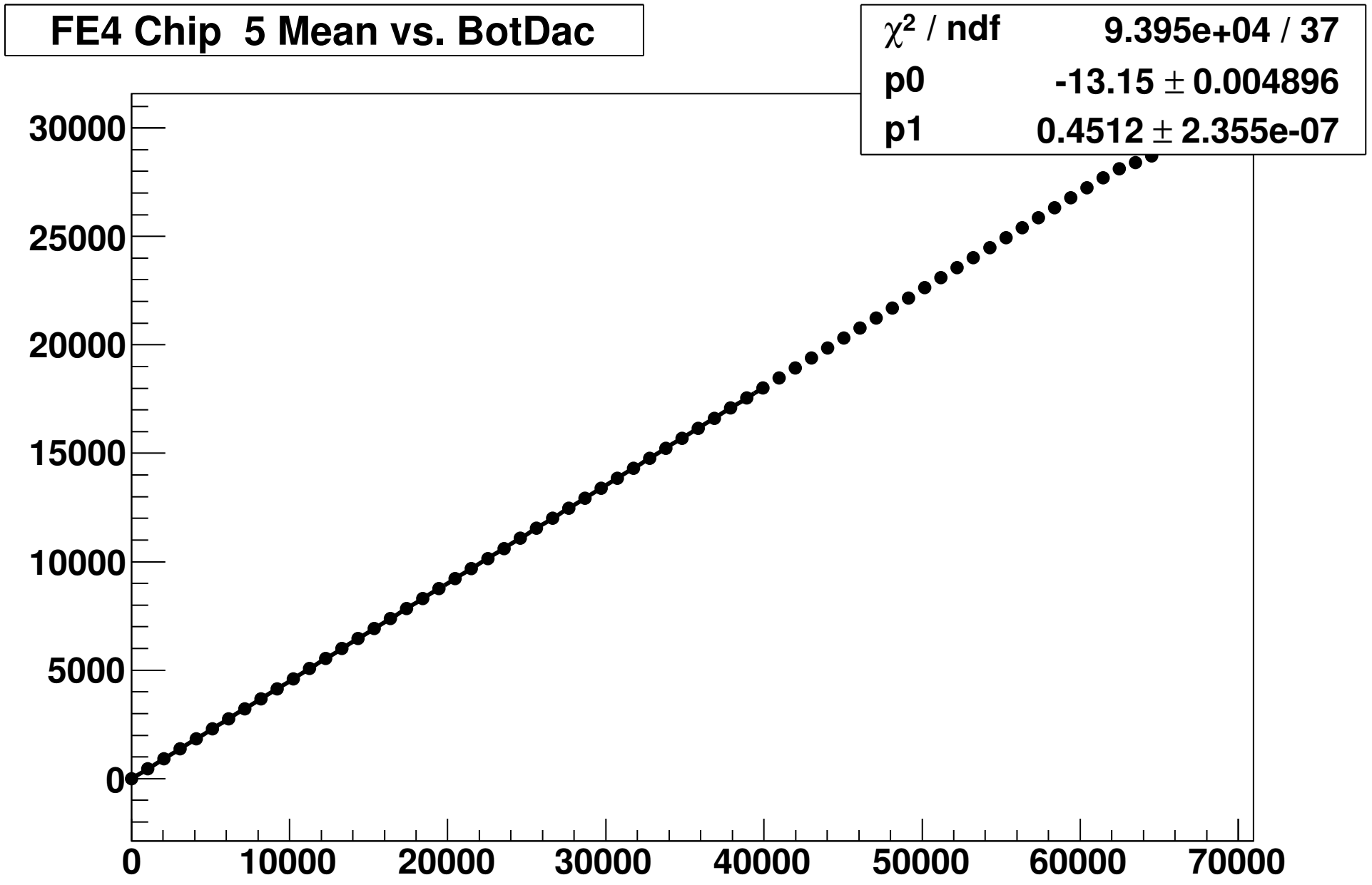
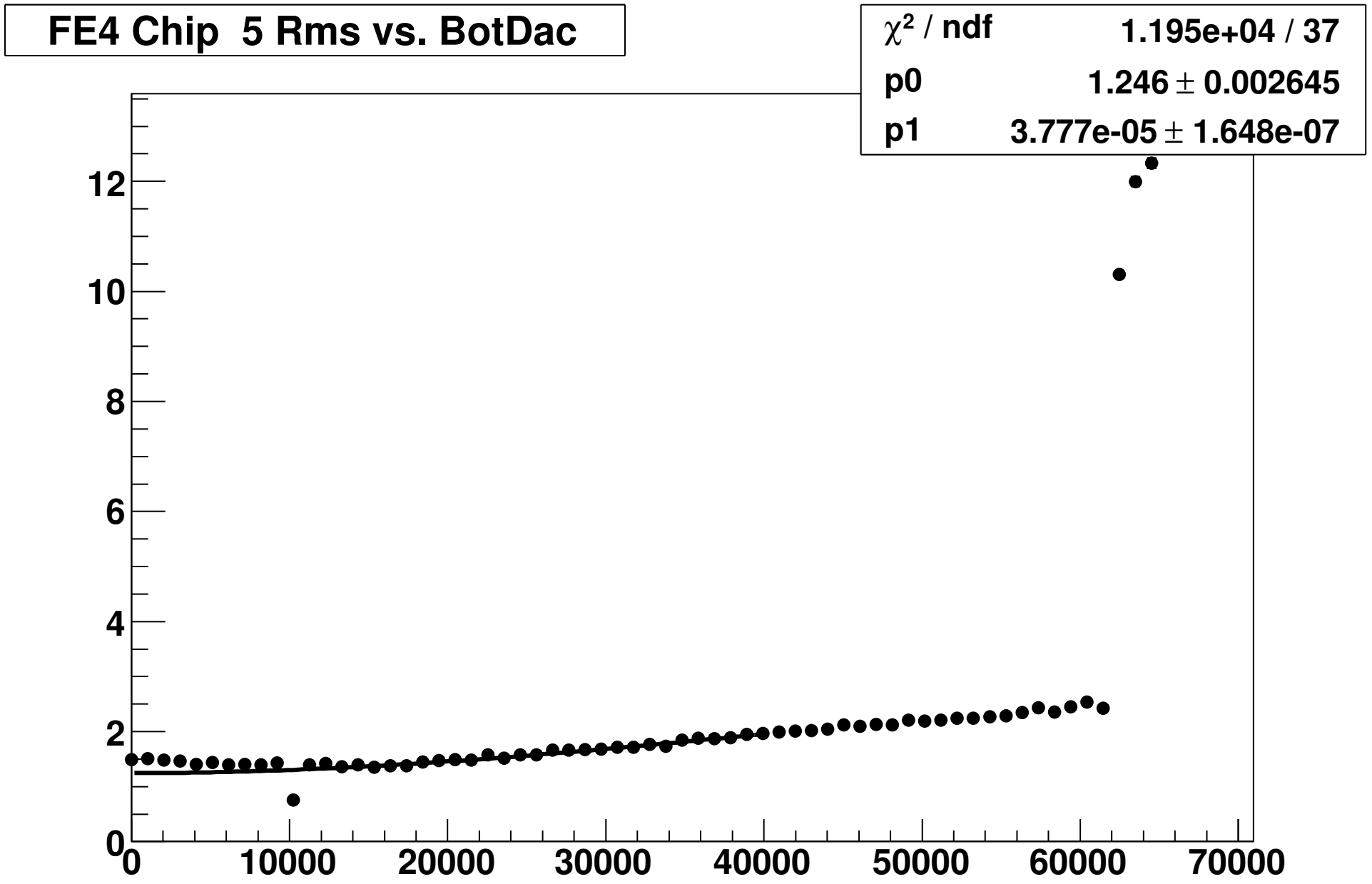
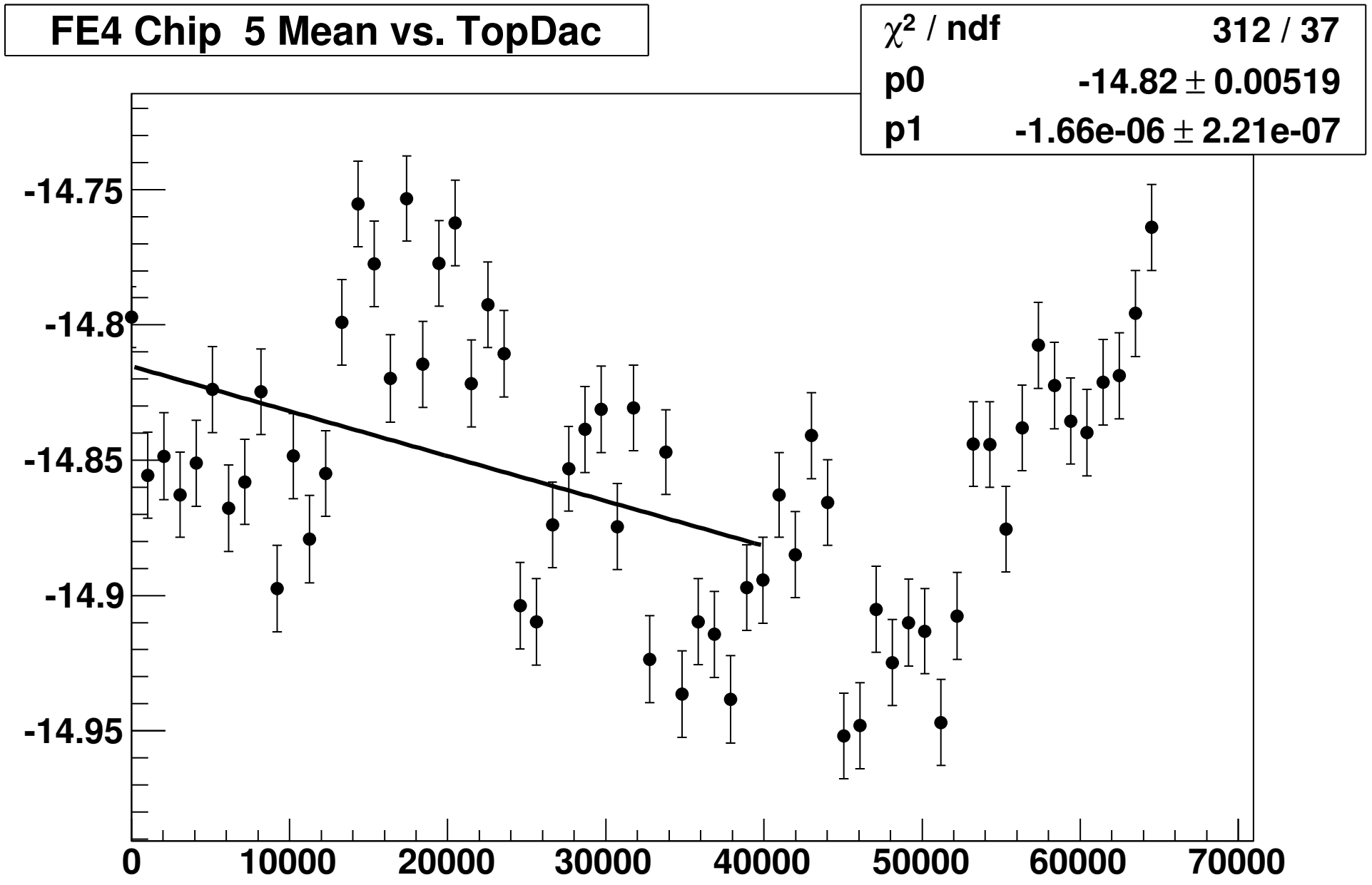
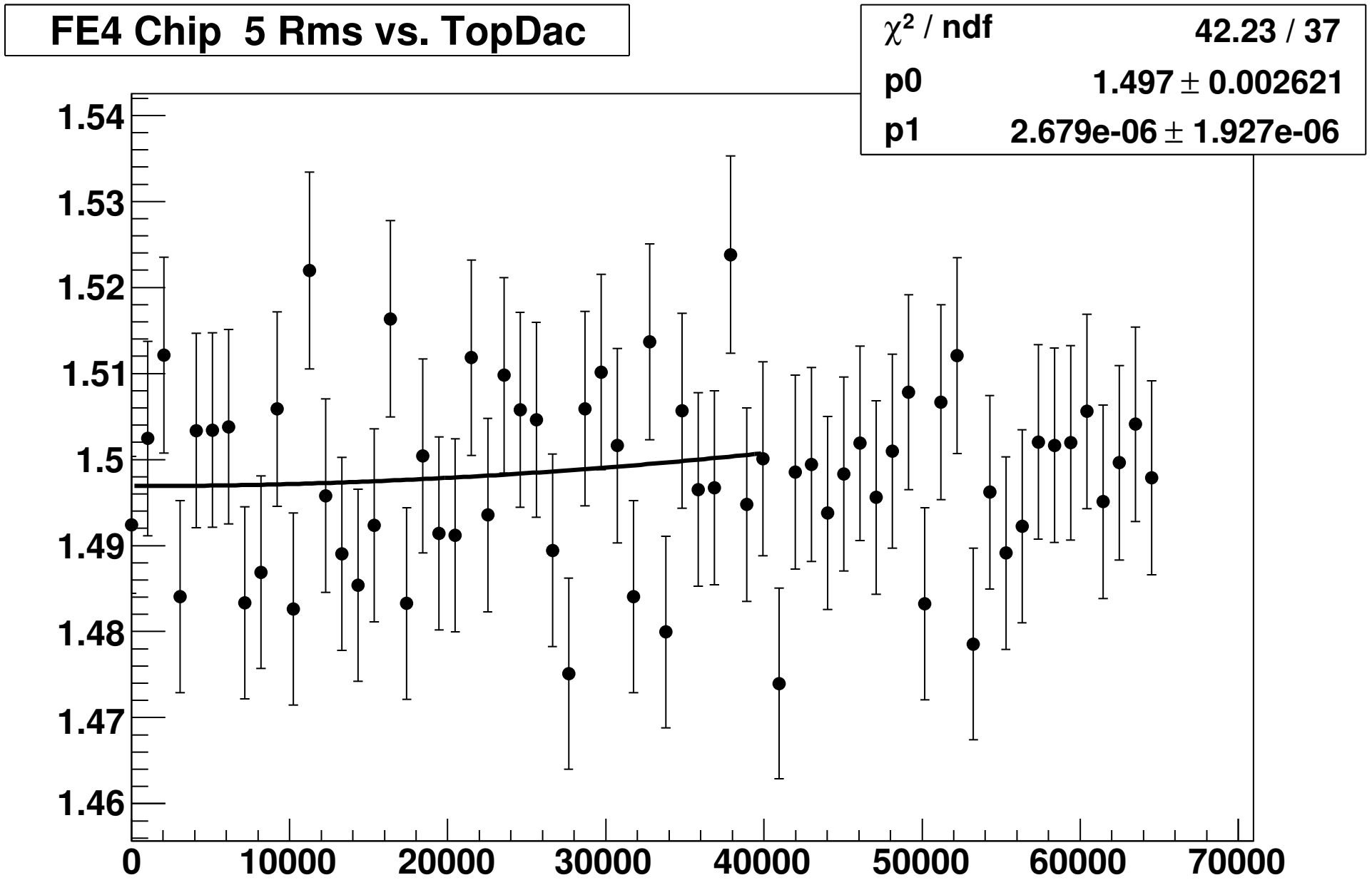
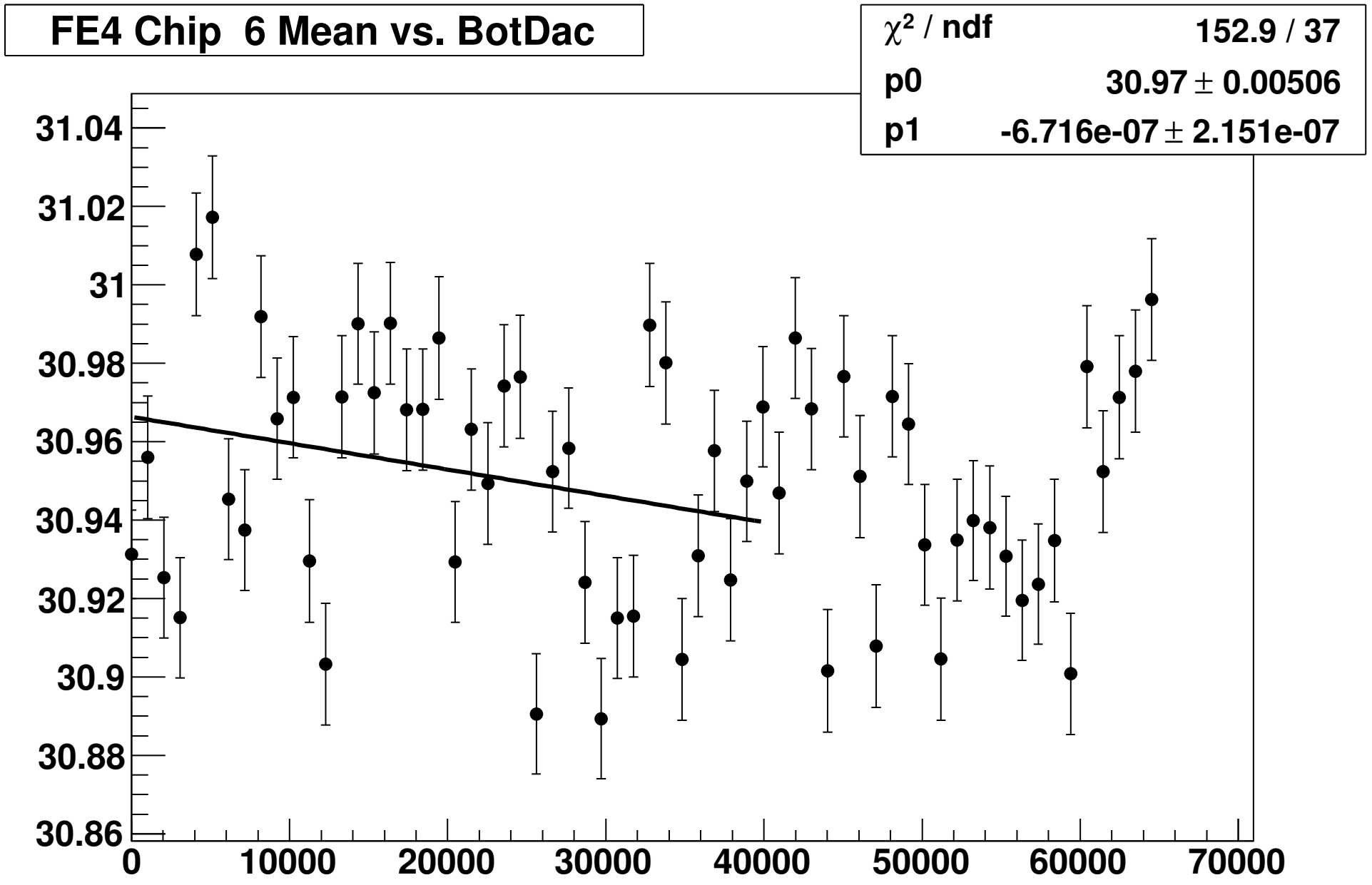
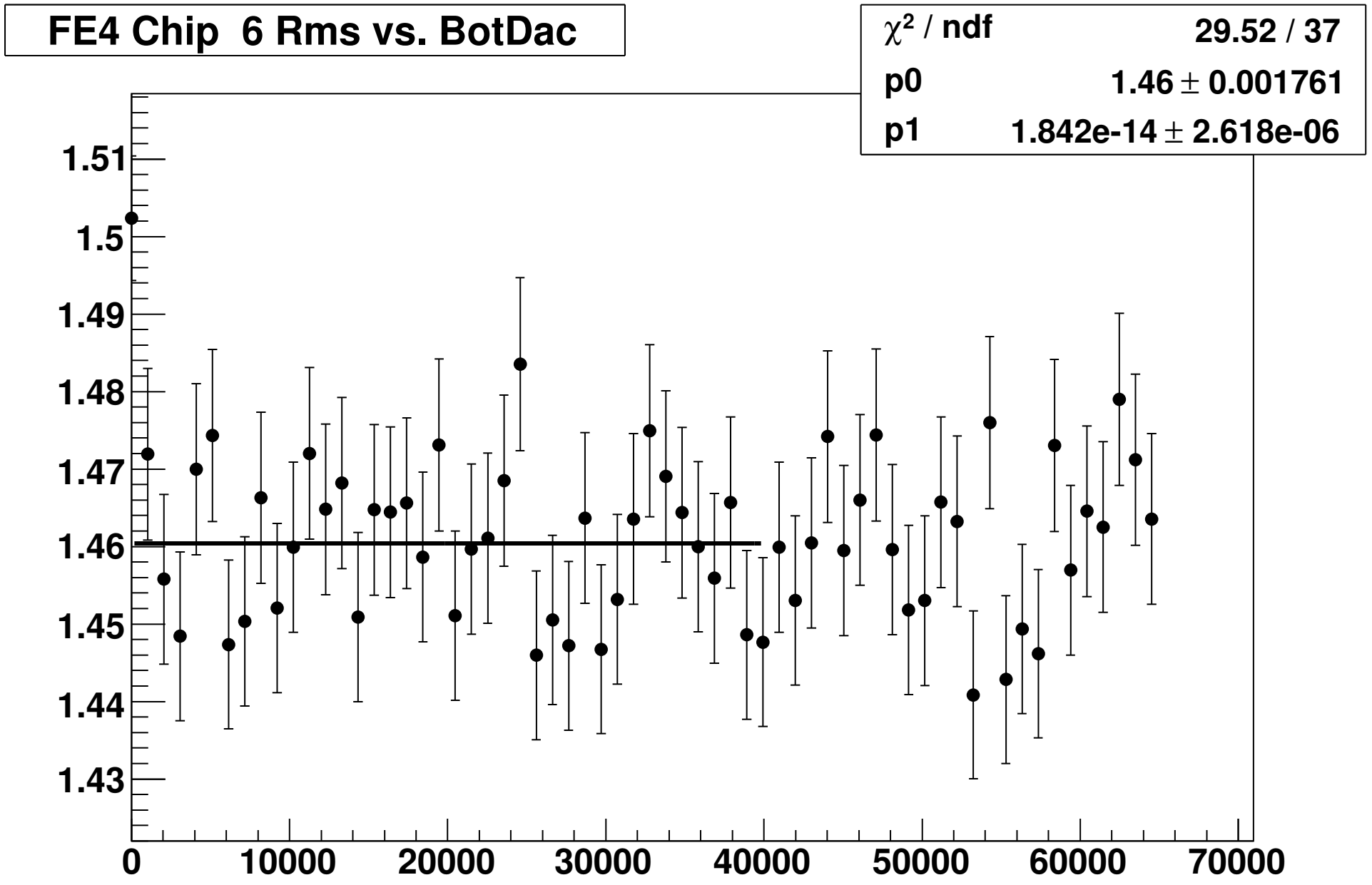

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 9.395e+04 / 37
p0 -13.15 ± 0.004896
p1 0.4512 ± 2.355e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 1.195e+04 / 37
p0 1.246 ± 0.002645
p1 3.777e-05 ± 1.648e-07
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 312 / 37
p0 -14.82 ± 0.00519
p1 -1.66e-06 ± 2.21e-07
-14.75
-14.8
-14.85
-14.9
-14.95
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 42.23 / 37
p0 1.497 ± 0.002621
p1 2.679e-06 ± 1.927e-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


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 152.9 / 37
p0 30.97 ± 0.00506
p1 -6.716e-07 ± 2.151e-07
31.04
31.02
31
30.98
30.96
30.94
30.92
30.9
30.88
30.86
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 29.52 / 37
p0 1.46 ± 0.001761
p1 1.842e-14 ± 2.618e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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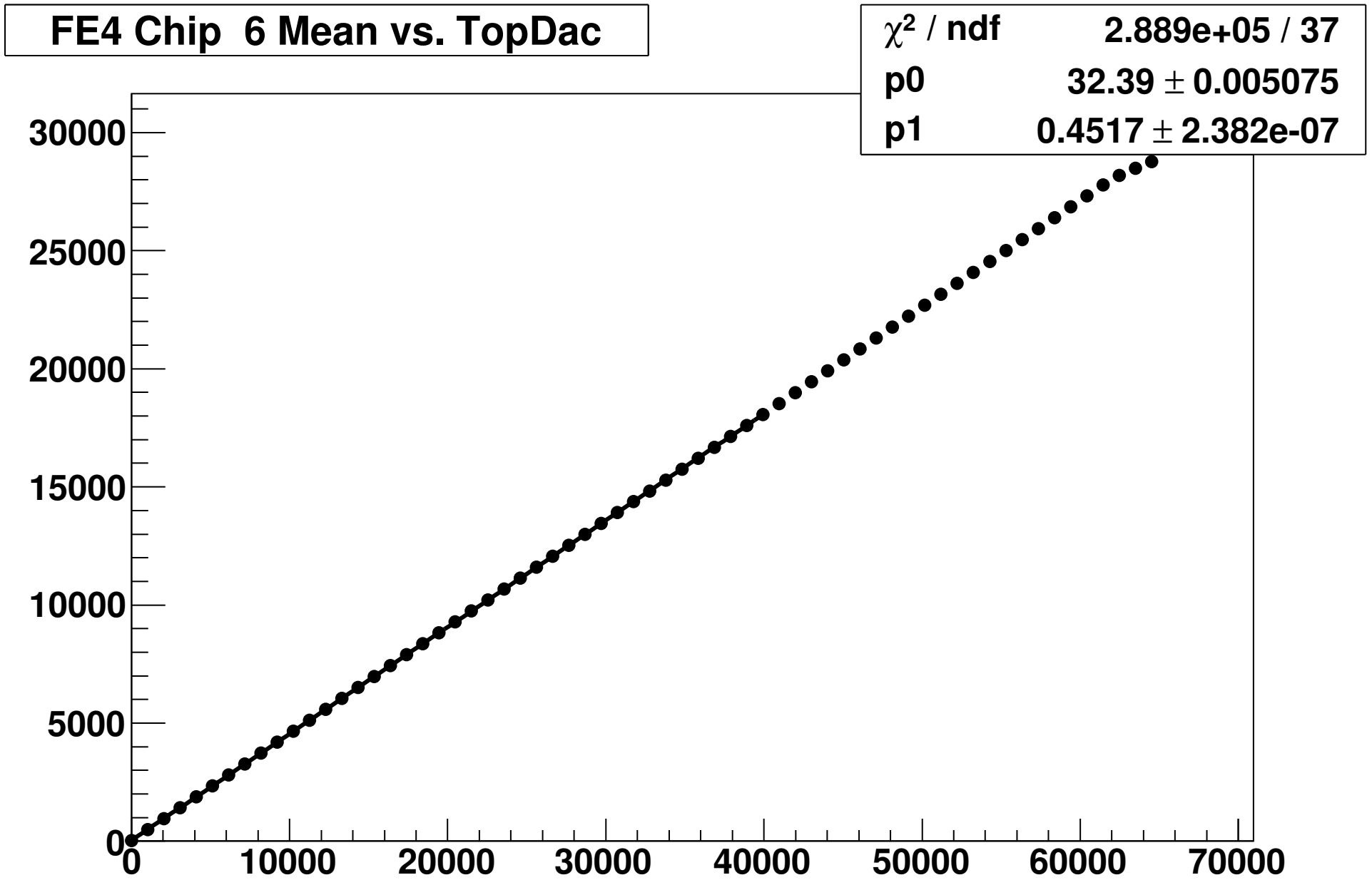
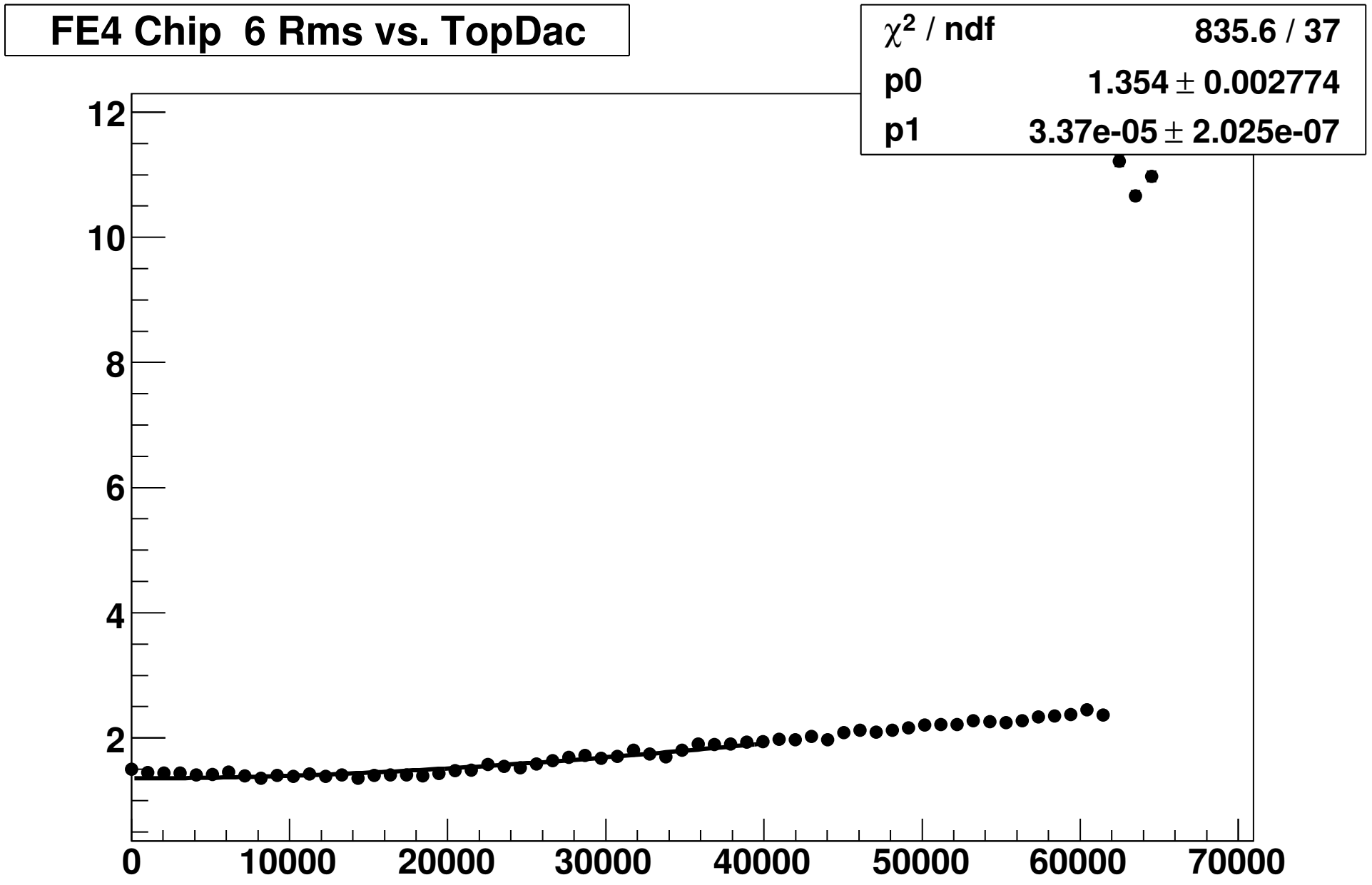
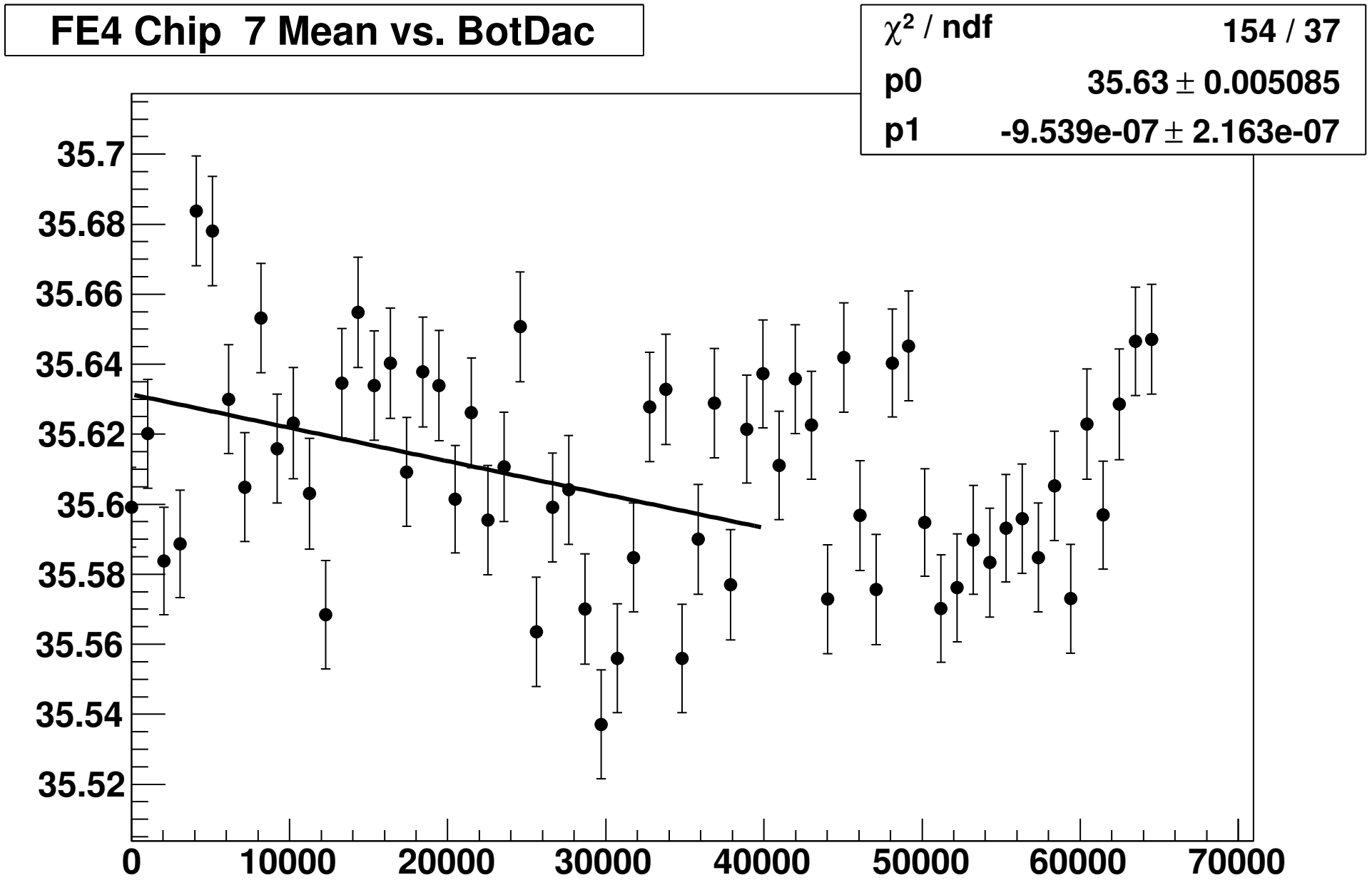
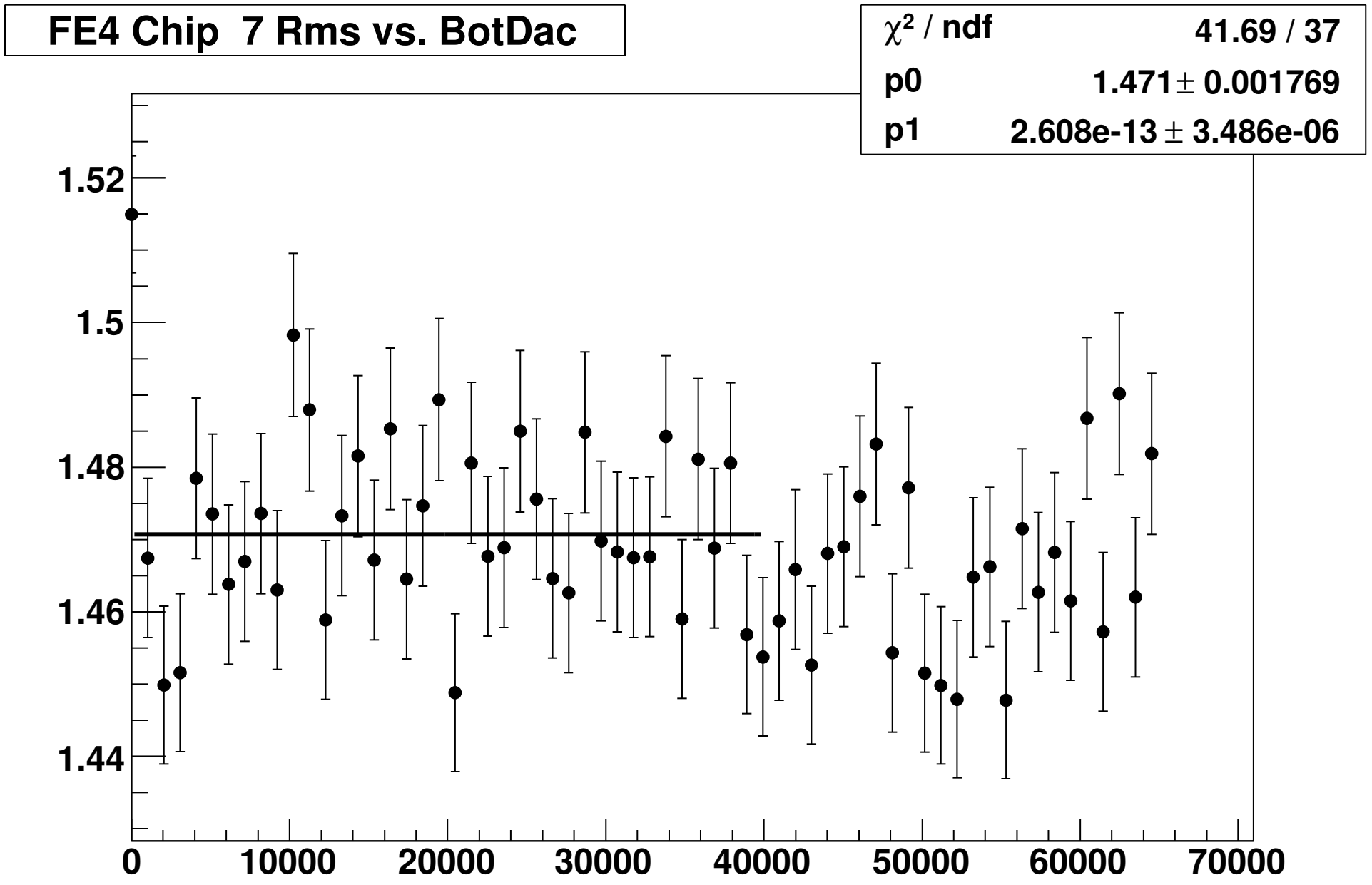
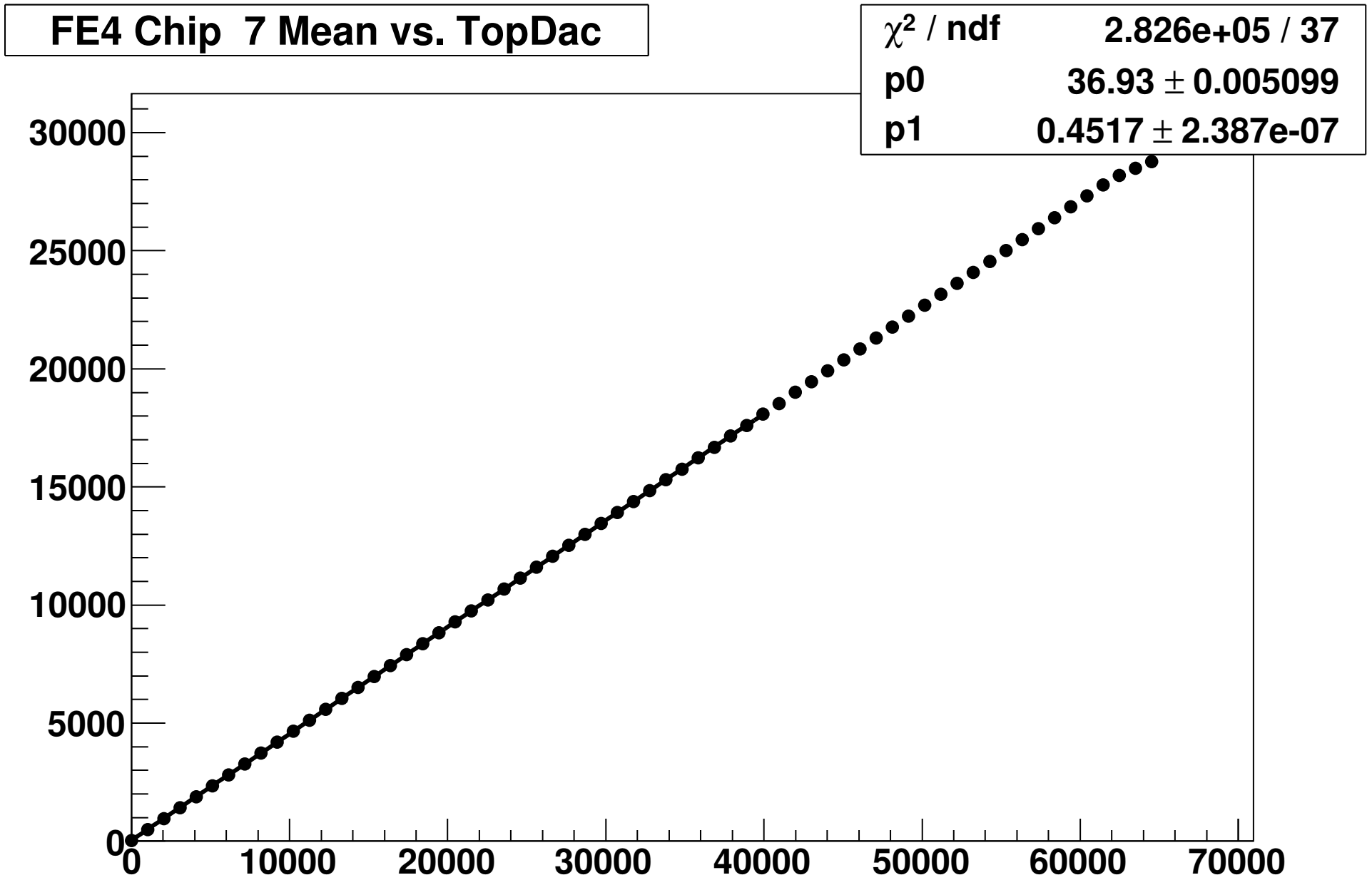
50000
60000
70000

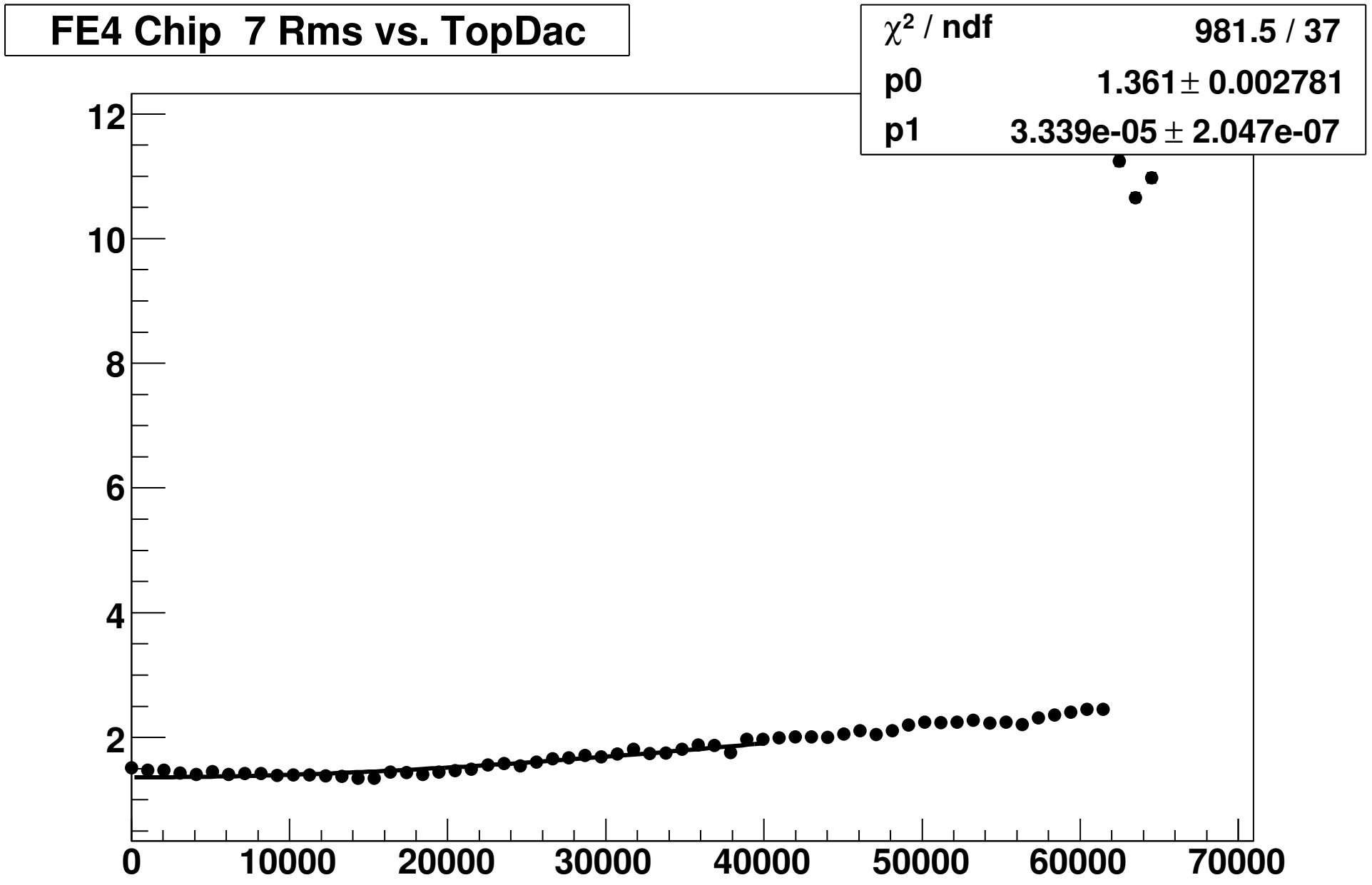

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 2.889e+05 / 37
p0 32.39 ± 0.005075
p1 0.4517 ± 2.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

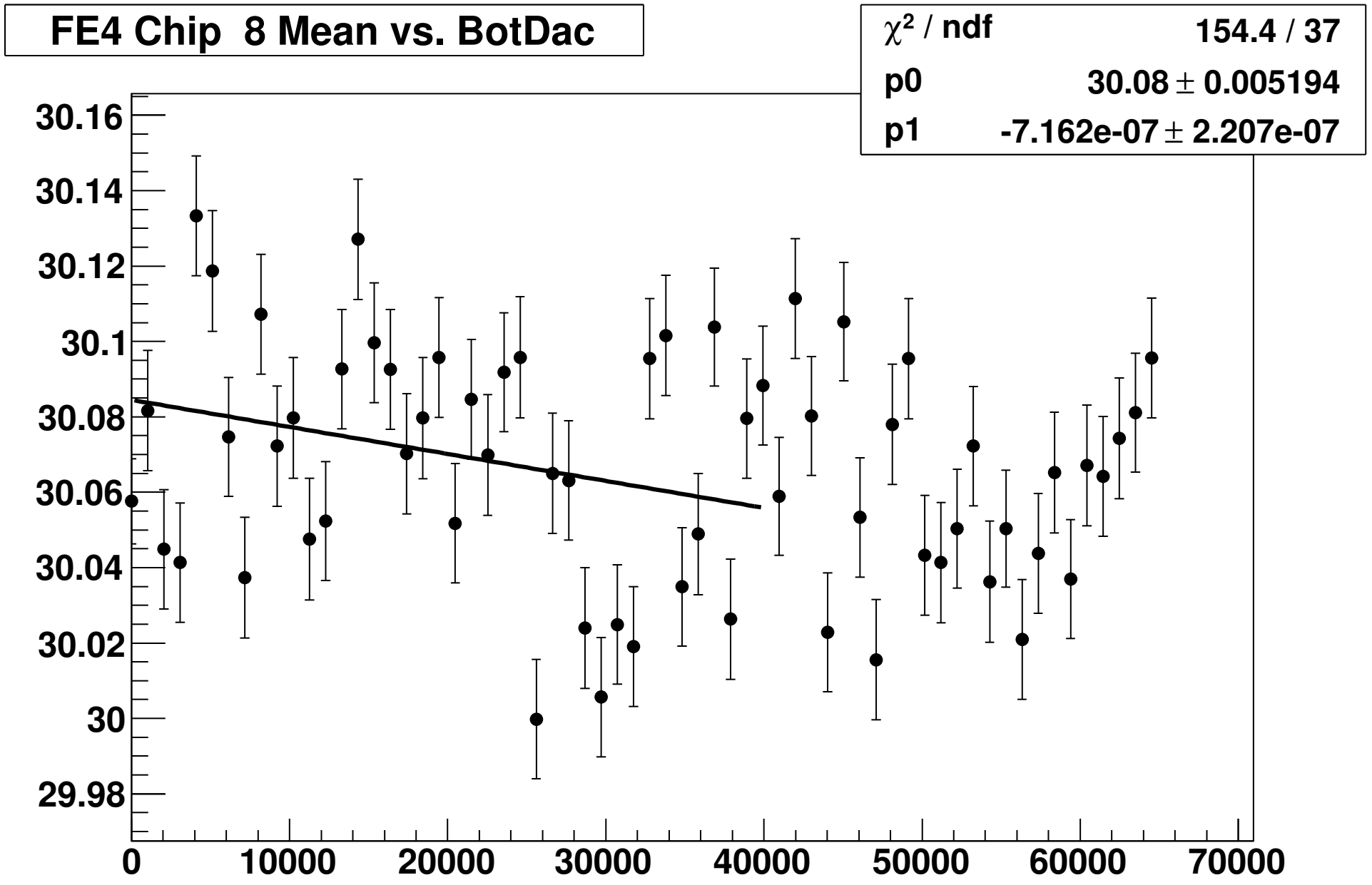

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 835.6 / 37
p0 1.354 ± 0.002774
p1 3.37e-05 ± 2.025e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

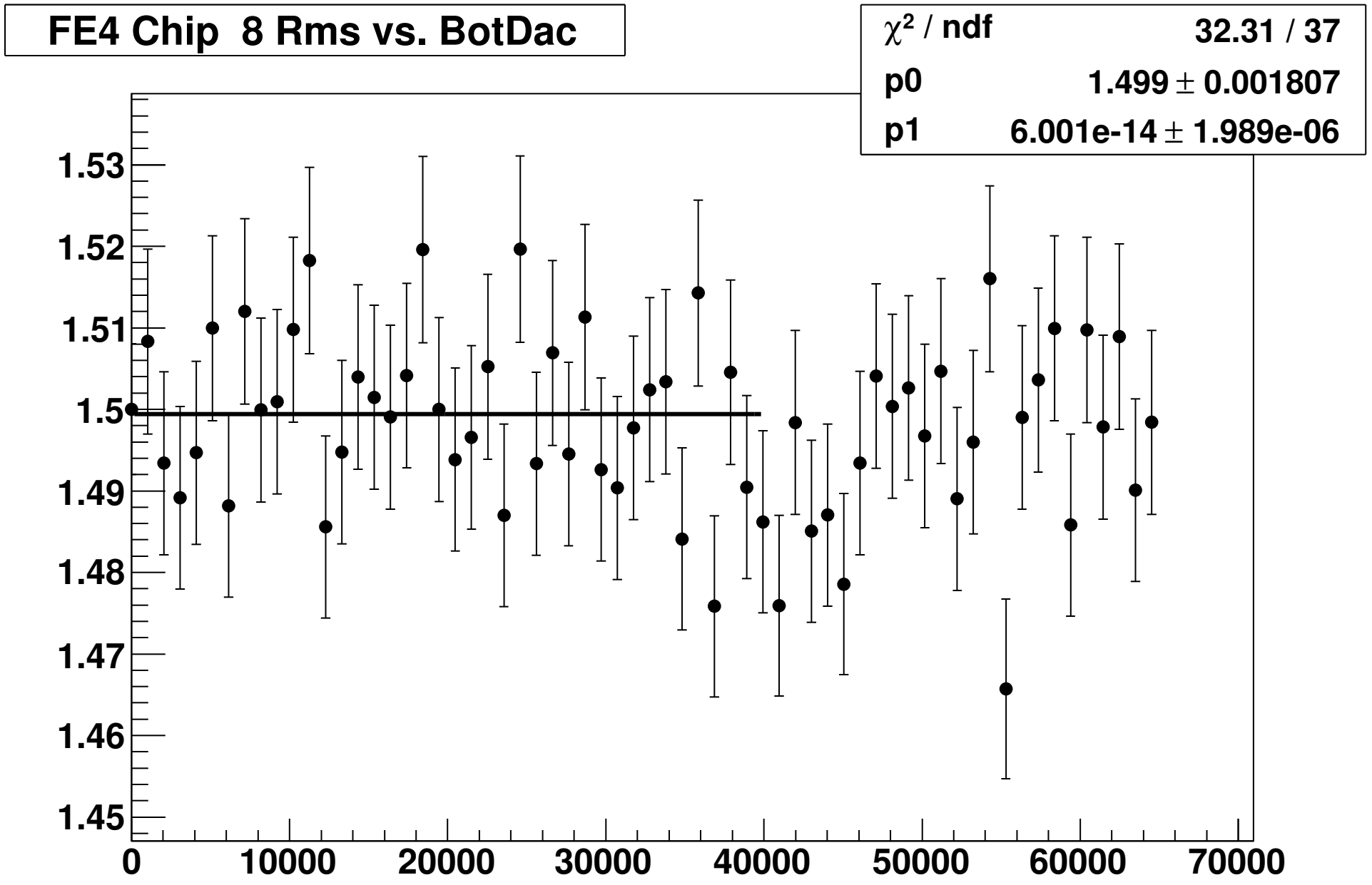

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 154 / 37
p0 35.63 ± 0.005085
p1 -9.539e-07 ± 2.163e-07
35.7
35.68
35.66
35.64
35.62
35.6
35.58
35.56
35.54
35.52
0
10000
20000
30000
40000
50000
60000
70000

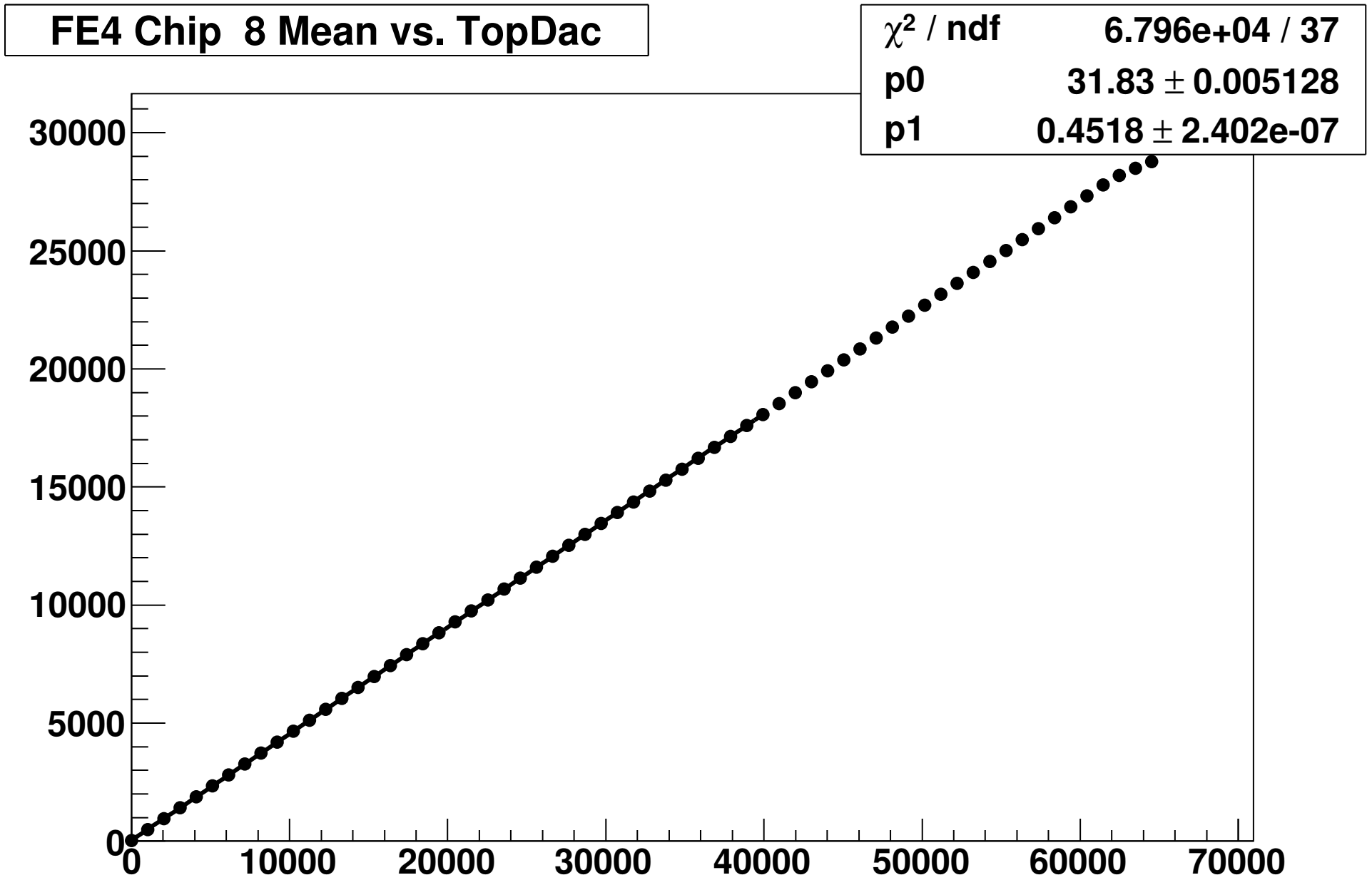

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 41.69 / 37
p0 1.471 ± 0.001769
p1 2.608e-13 ± 3.486e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

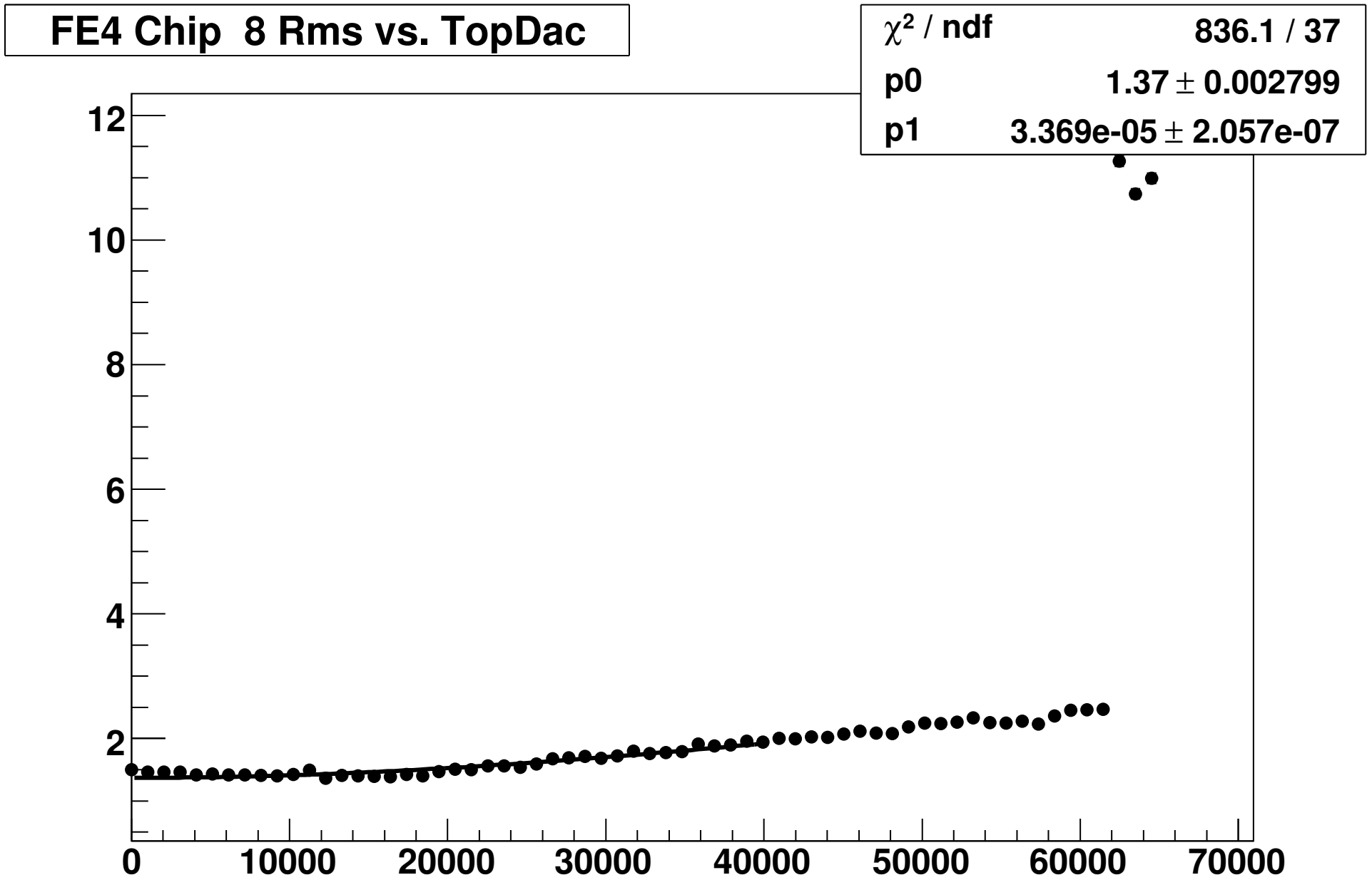

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 2.826e+05 / 37
p0 36.93 ± 0.005099
p1 0.4517 ± 2.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

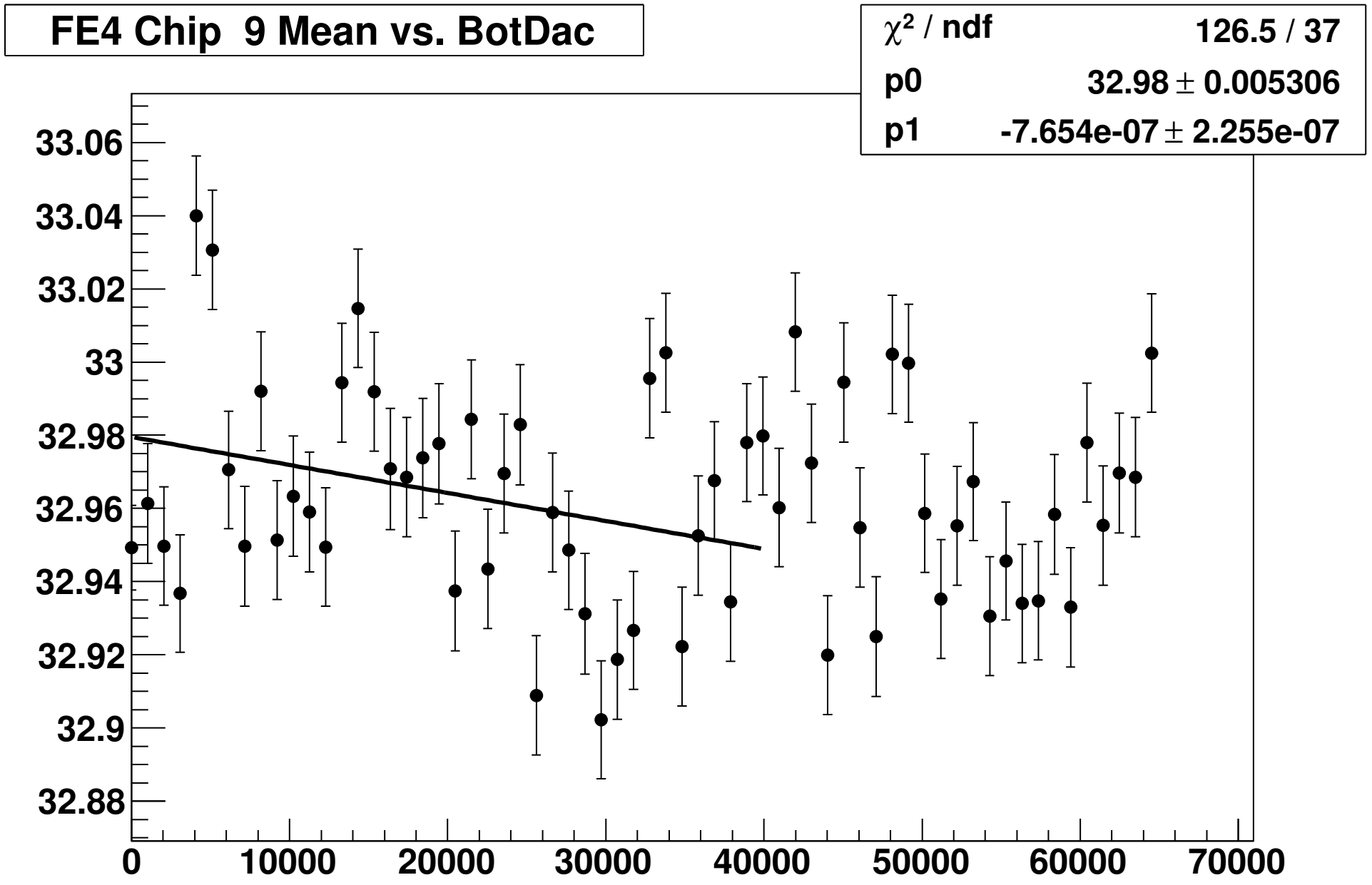

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 981.5 / 37
p0 1.361 ± 0.002781
p1 3.339e-05 ± 2.047e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

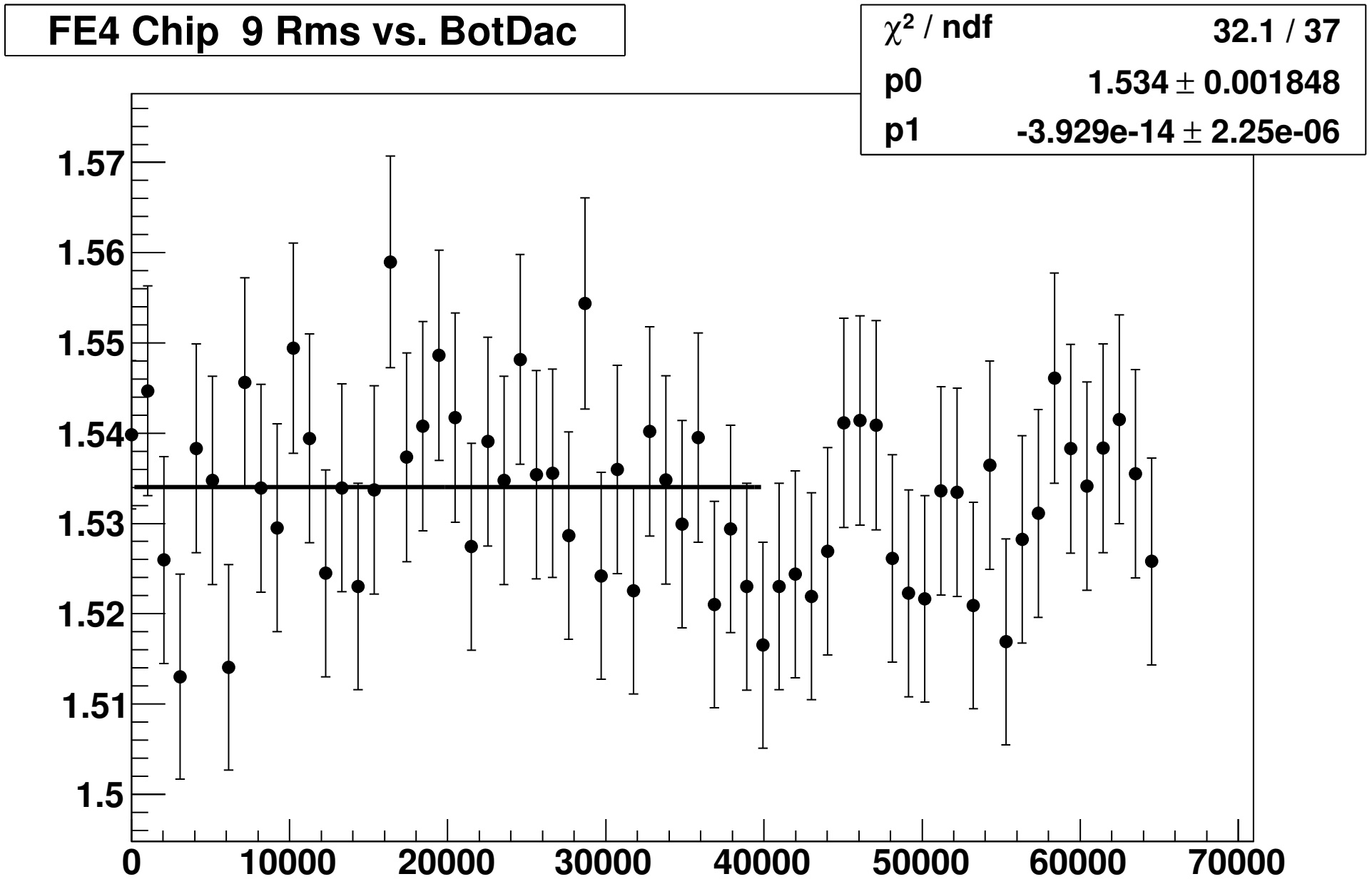

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 154.4 / 37
p0 30.08 ± 0.005194
p1 -7.162e-07 ± 2.207e-07
30.16
30.14
30.12
30.1
30.08
30.06
30.04
30.02
30
29.98
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 32.31 / 37
p0 1.499 ± 0.001807
p1 6.001e-14 ± 1.989e-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


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 6.796e+04 / 37
p0 31.83 ± 0.005128
p1 0.4518 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 836.1 / 37
p0 1.37 ± 0.002799
p1 3.369e-05 ± 2.057e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 126.5 / 37
p0 32.98 ± 0.005306
p1 -7.654e-07 ± 2.255e-07
33.06
33.04
33.02
33
32.98
32.96
32.94
32.92
32.9
32.88
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 32.1 / 37
p0 1.534 ± 0.001848
p1 -3.929e-14 ± 2.25e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
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40000
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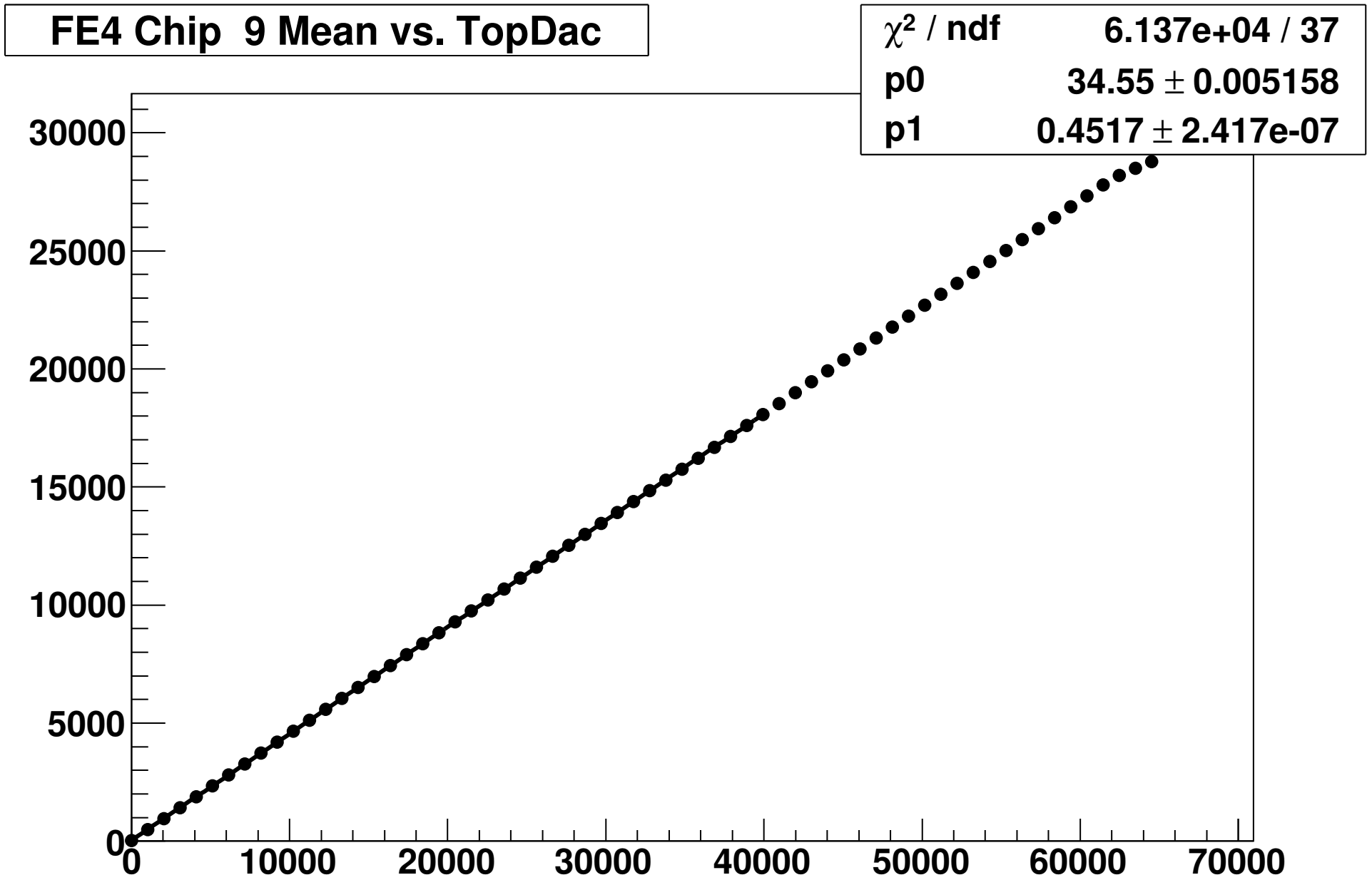
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 6.137e+04 / 37
p0 34.55 ± 0.005158
p1 0.4517 ± 2.417e-07
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20000
15000
10000
5000
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10000
20000
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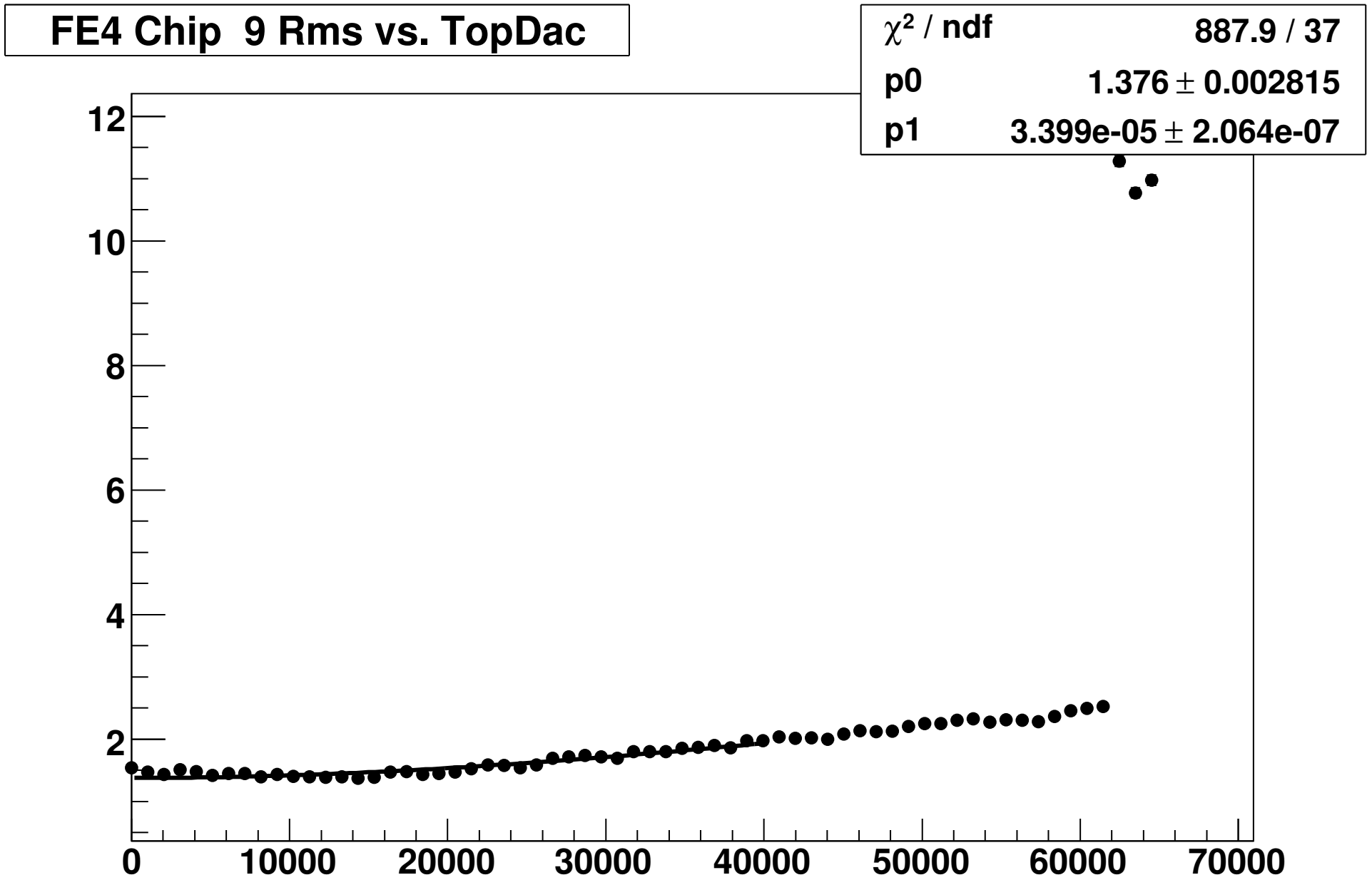
FE4 Chip 9 Rms vs. TopDac
χ² / ndf 887.9 / 37
p0 1.376 ± 0.002815
p1 3.399e-05 ± 2.064e-07
12
10
8
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4
2
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30000
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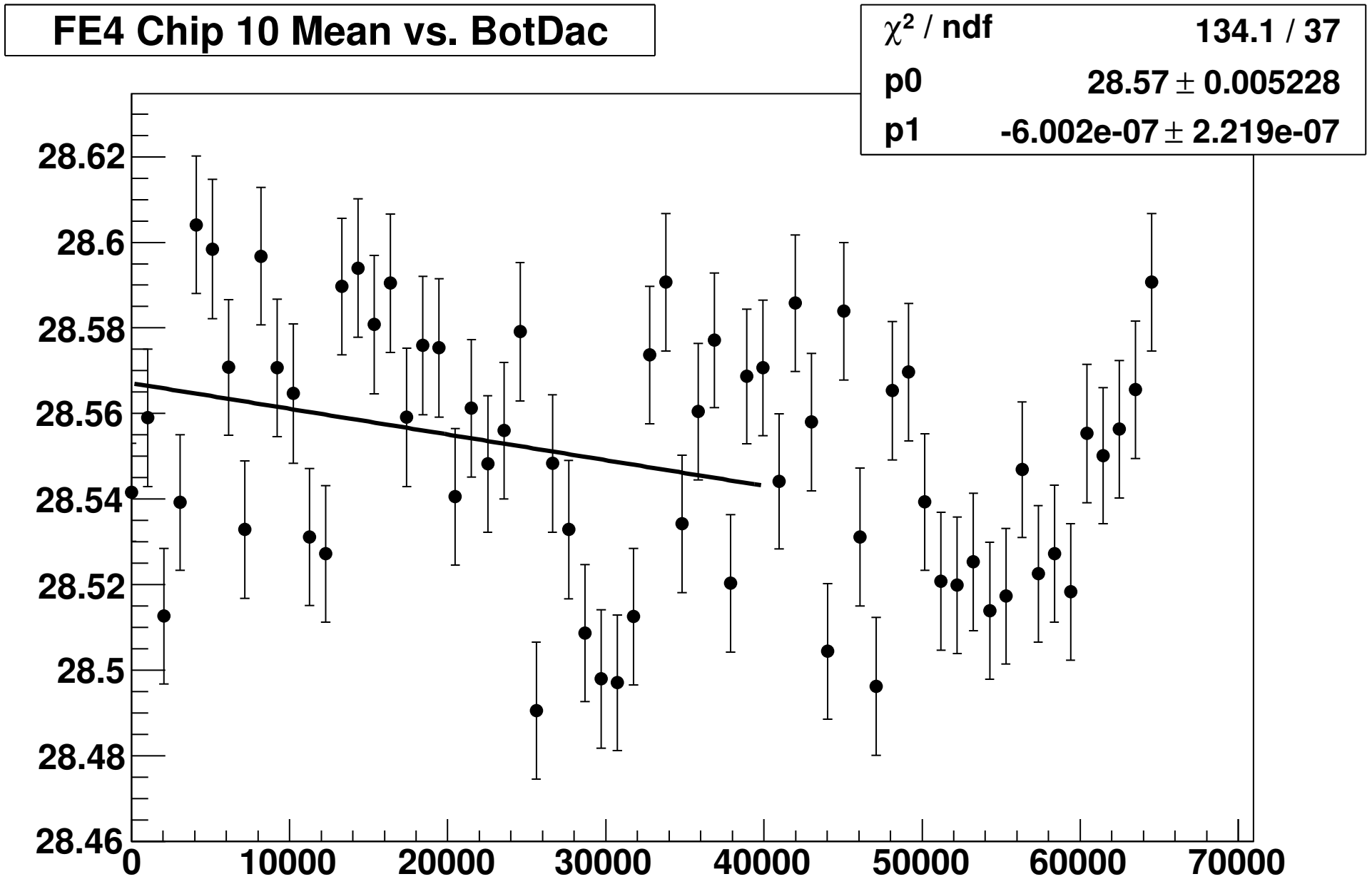
60000
70000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 134.1 / 37
p0 28.57 ± 0.005228
p1 -6.002e-07 ± 2.219e-07
28.62
28.6
28.58
28.56
28.54
28.52
28.5
28.48
28.46
0
10000
20000
30000
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50000
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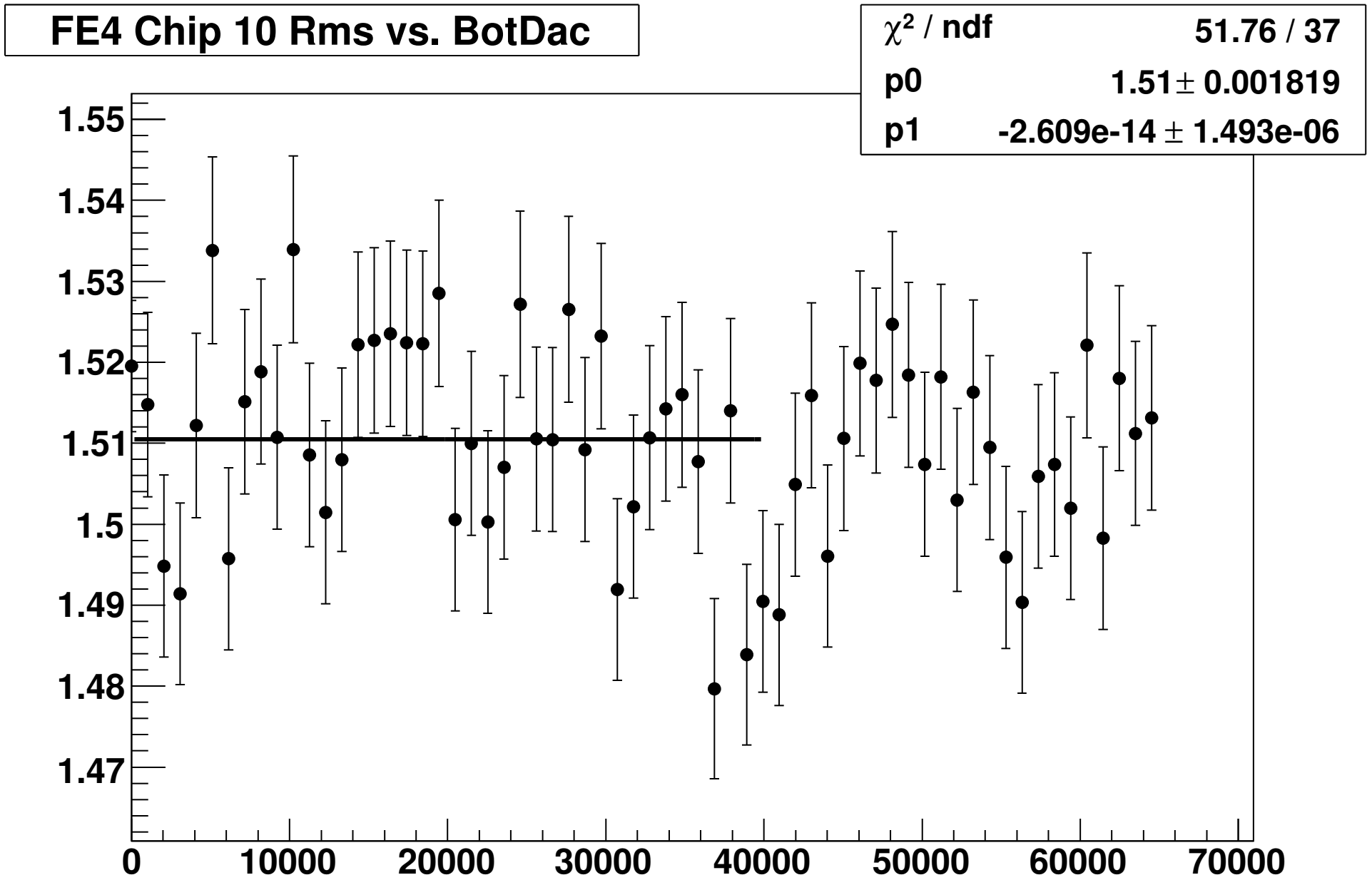
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 51.76 / 37
p0 1.51 ± 0.001819
p1 -2.609e-14 ± 1.493e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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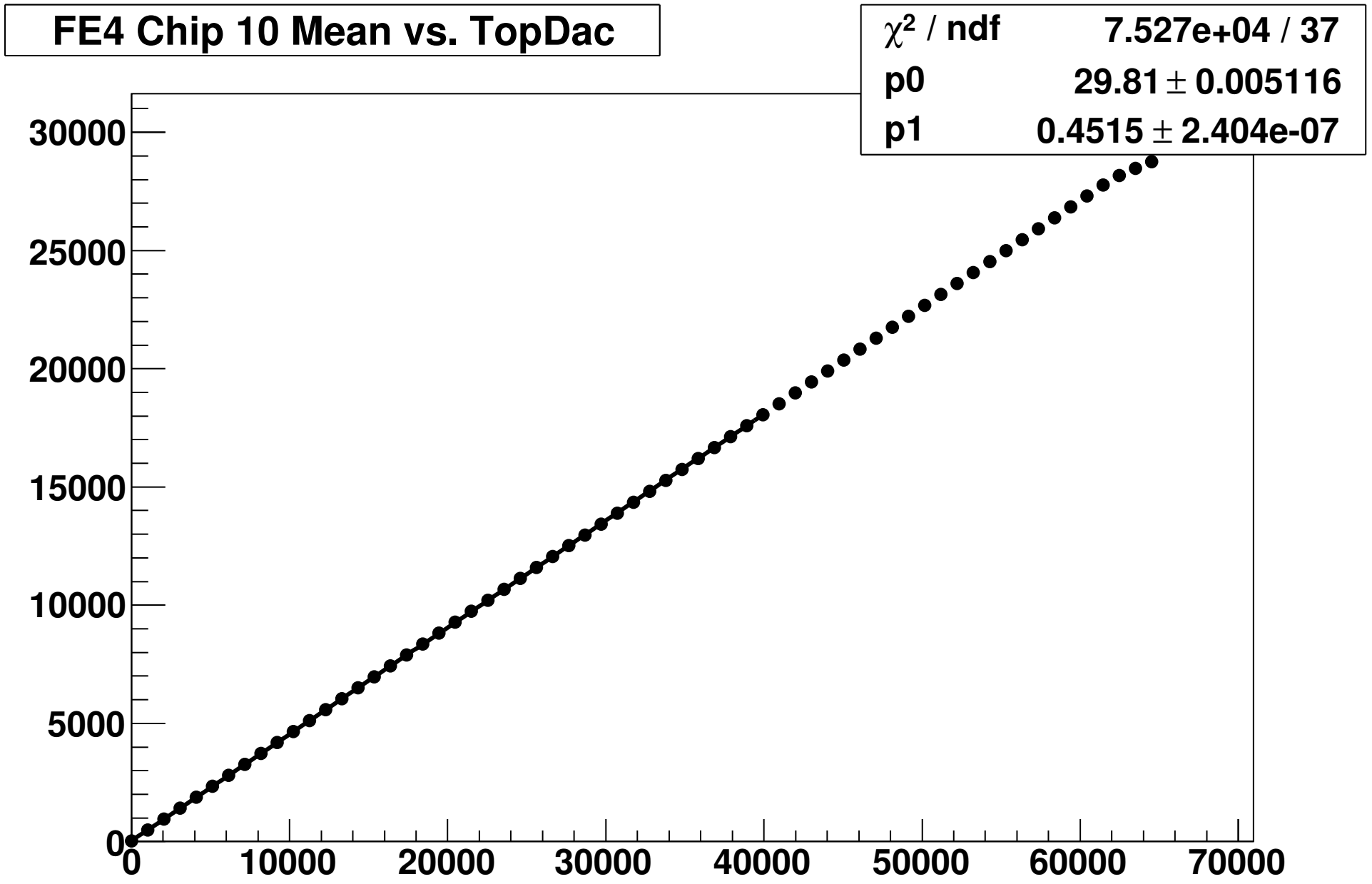
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 7.527e+04 / 37
p0 29.81 ± 0.005116
p1 0.4515 ± 2.404e-07
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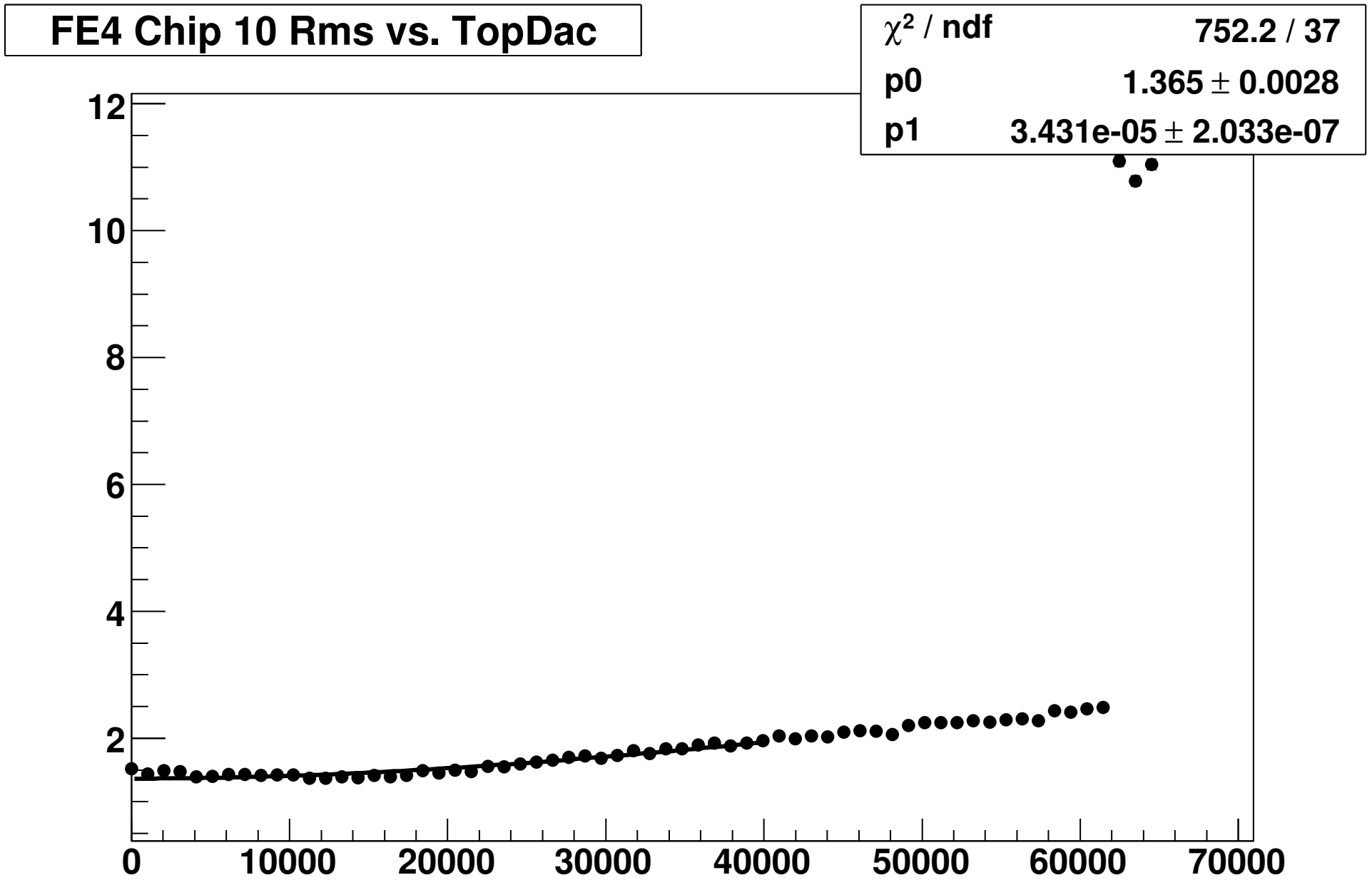
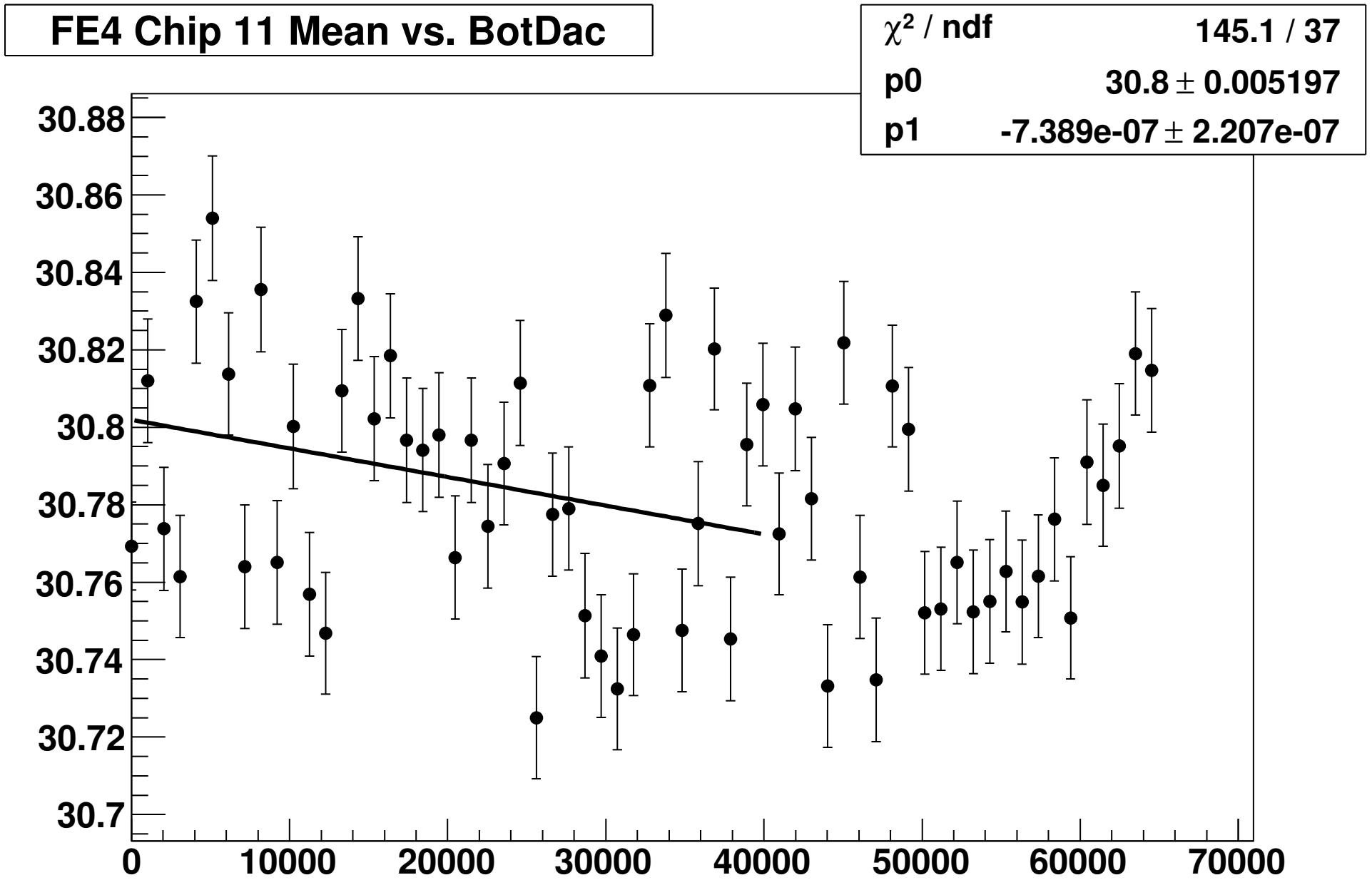
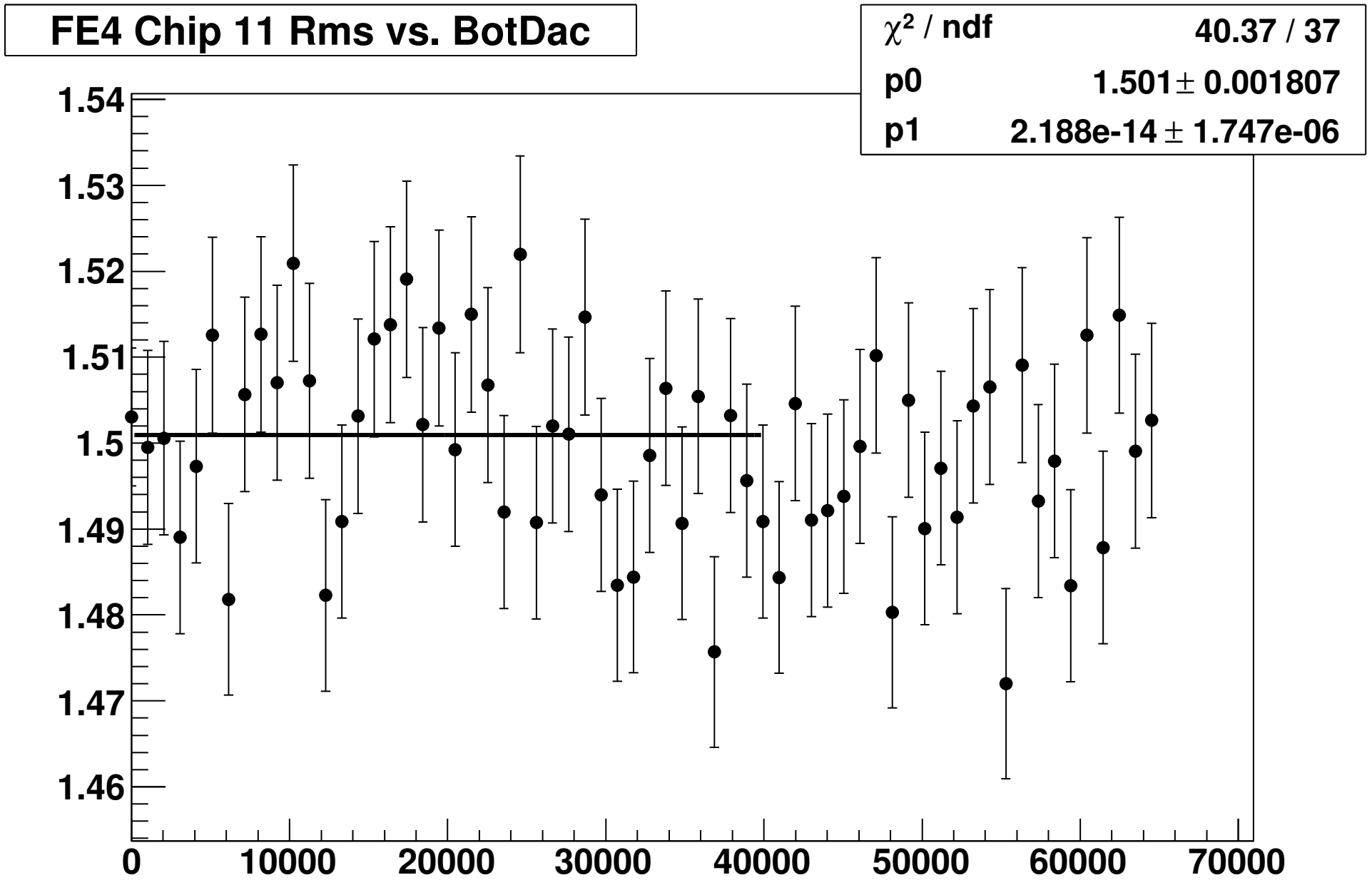
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 752.2 / 37
p0 1.365 ± 0.0028
p1 3.431e-05 ± 2.033e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 145.1 / 37
p0 30.8 ± 0.005197
p1 -7.389e-07 ± 2.207e-07
30.88
30.86
30.84
30.82
30.8
30.78
30.76
30.74
30.72
30.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 40.37 / 37
p0 1.501 ± 0.001807
p1 2.188e-14 ± 1.747e-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
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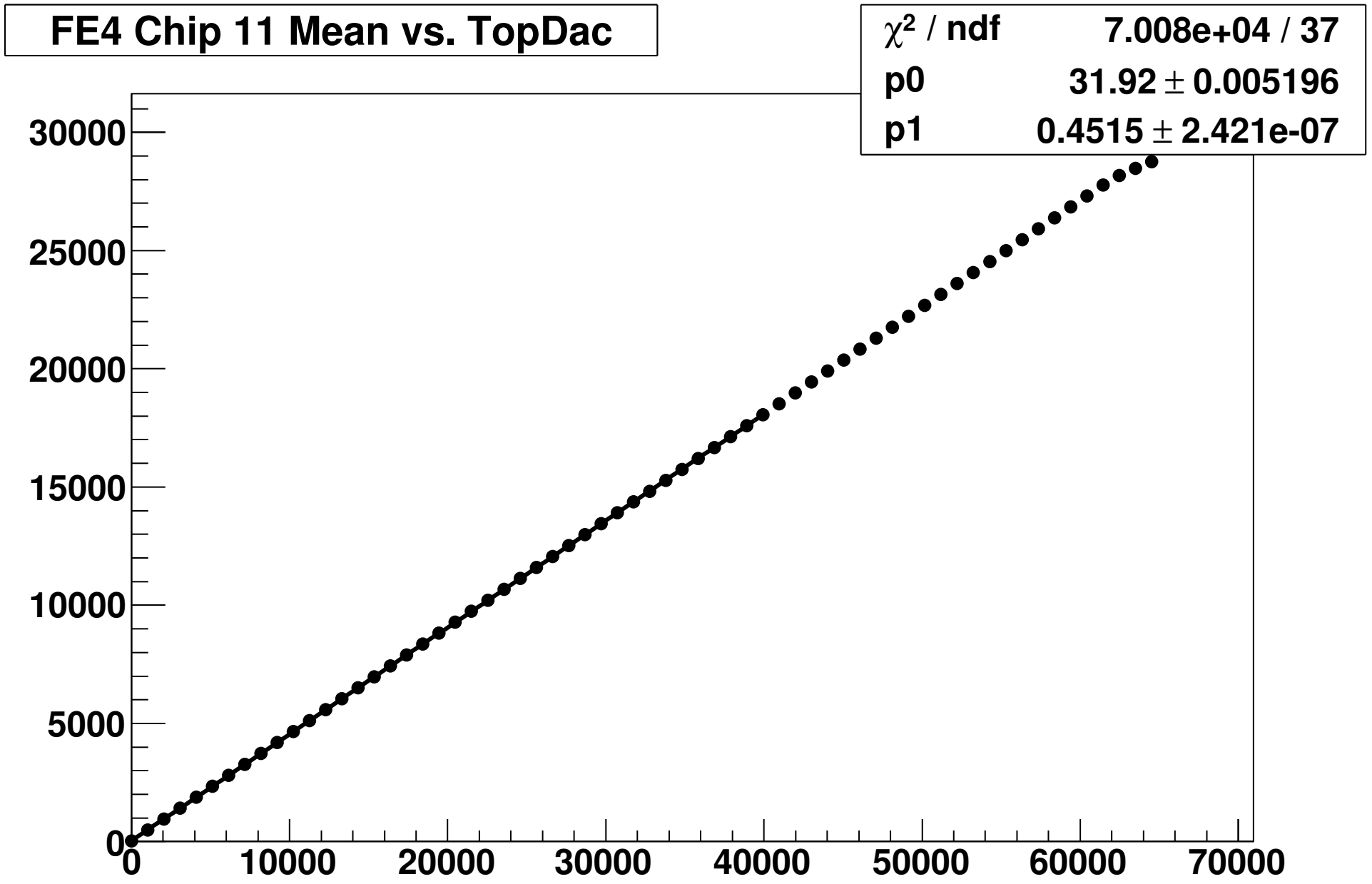
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 7.008e+04 / 37
p0 31.92 ± 0.005196
p1 0.4515 ± 2.421e-07
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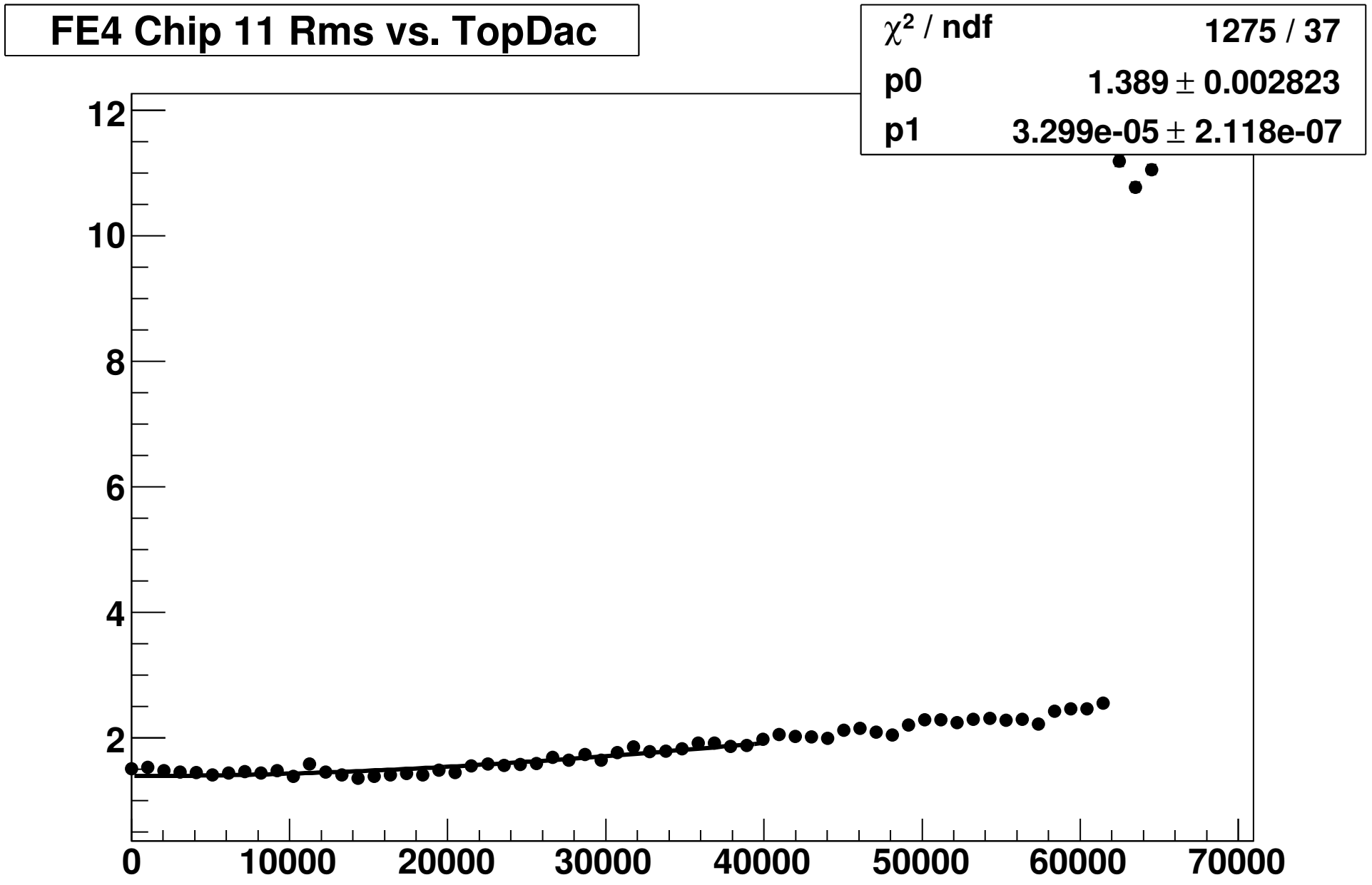
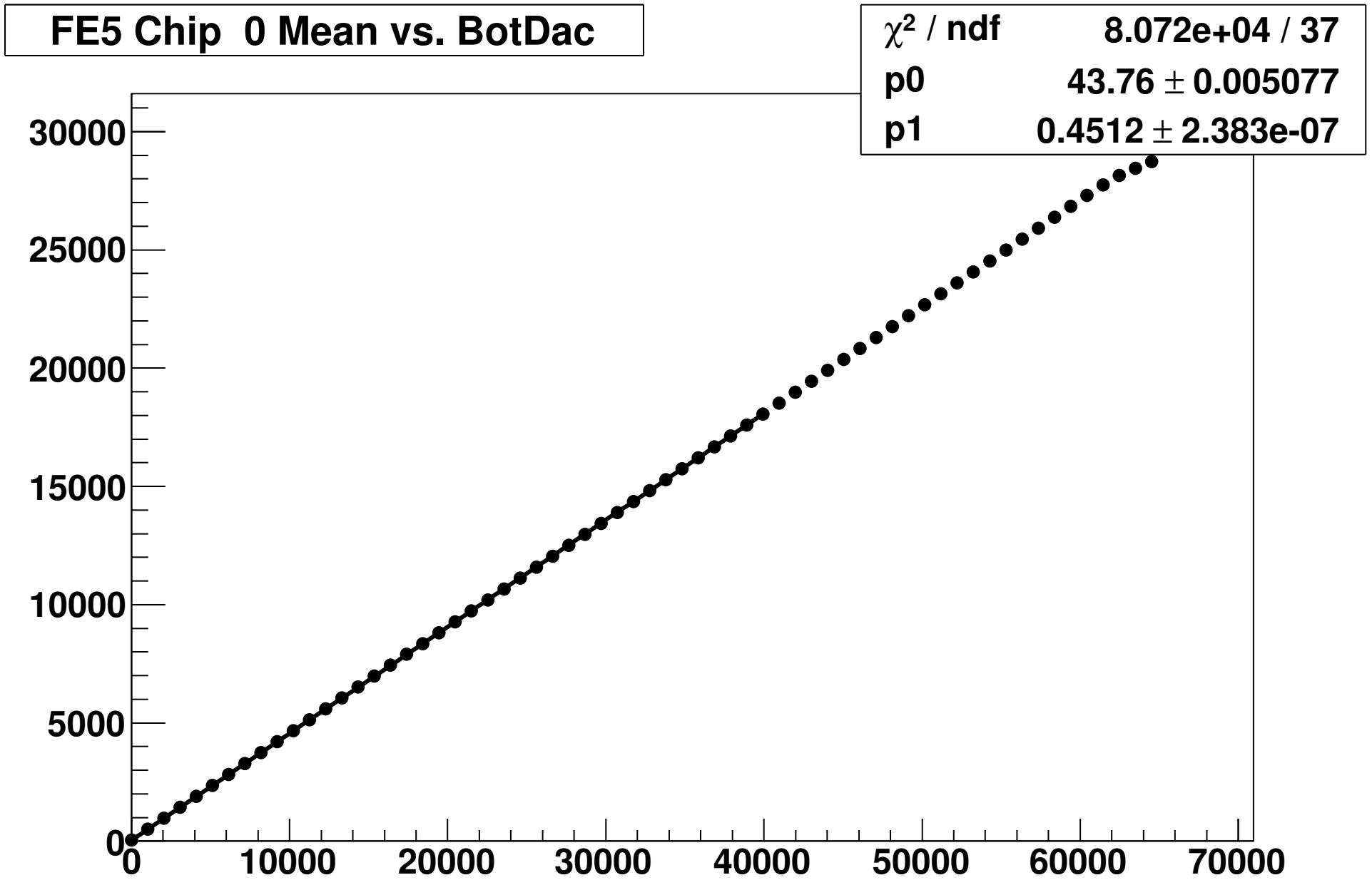
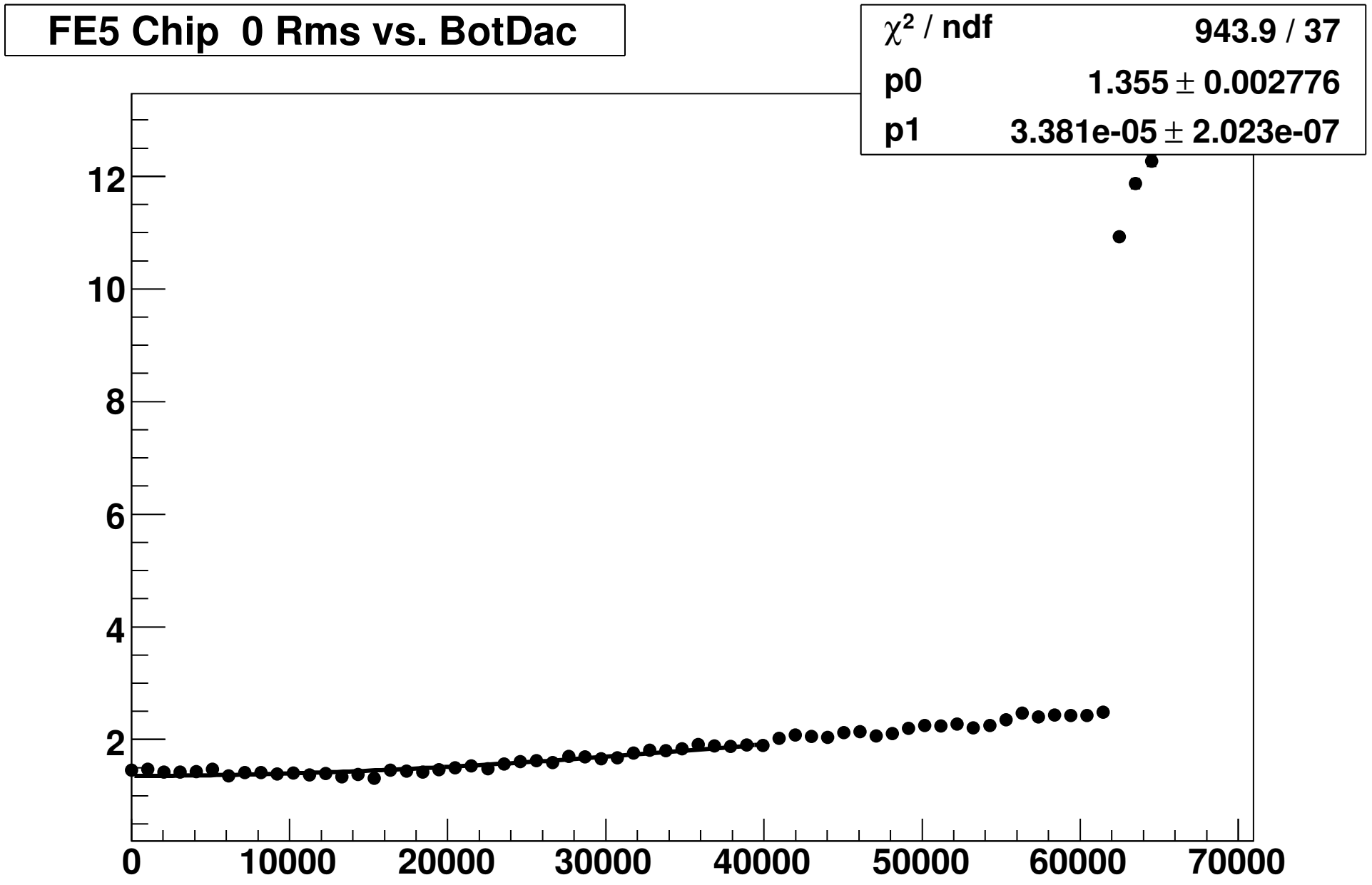
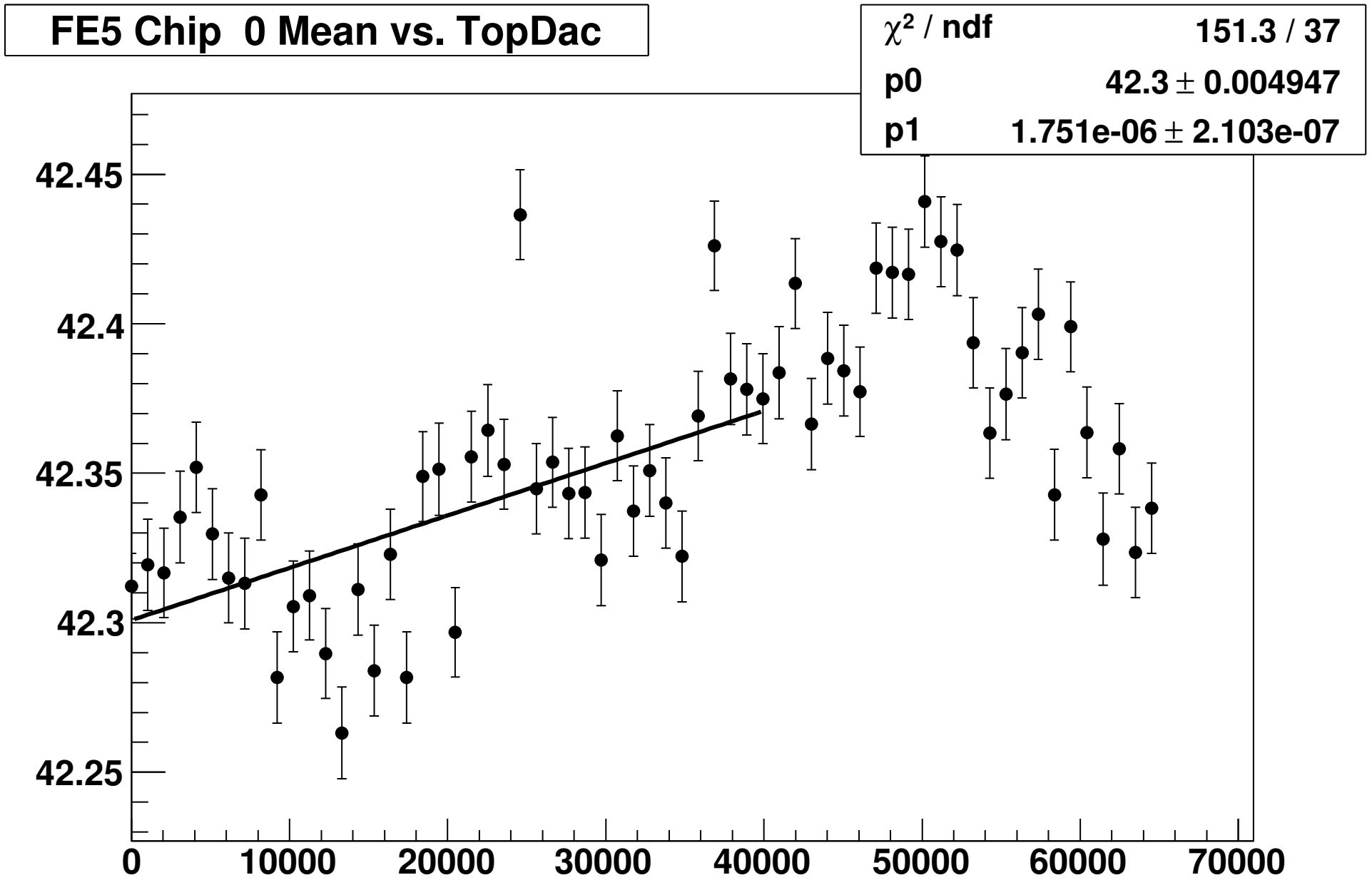
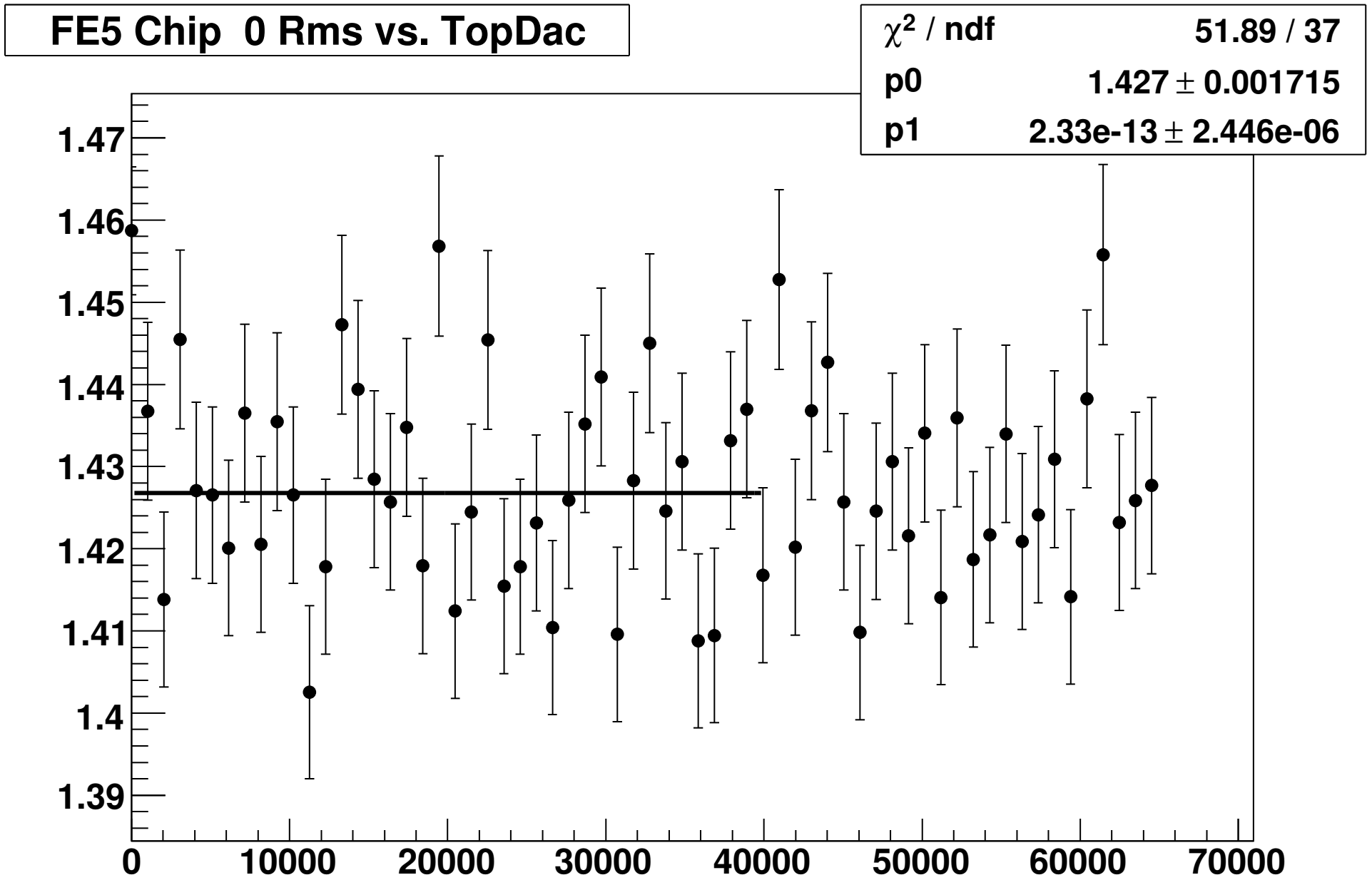
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

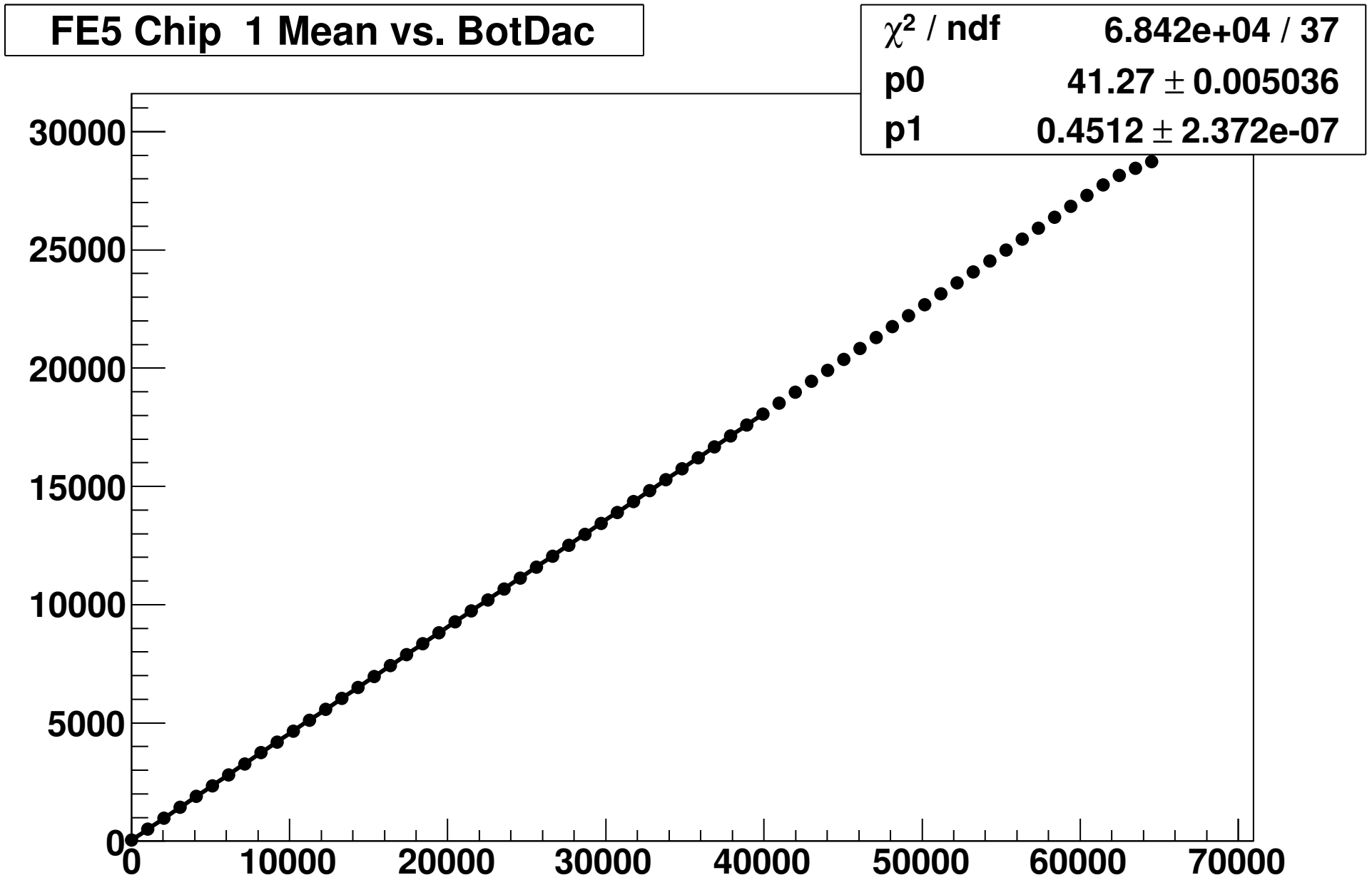

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1275 / 37
p0 1.389 ± 0.002823
p1 3.299e-05 ± 2.118e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

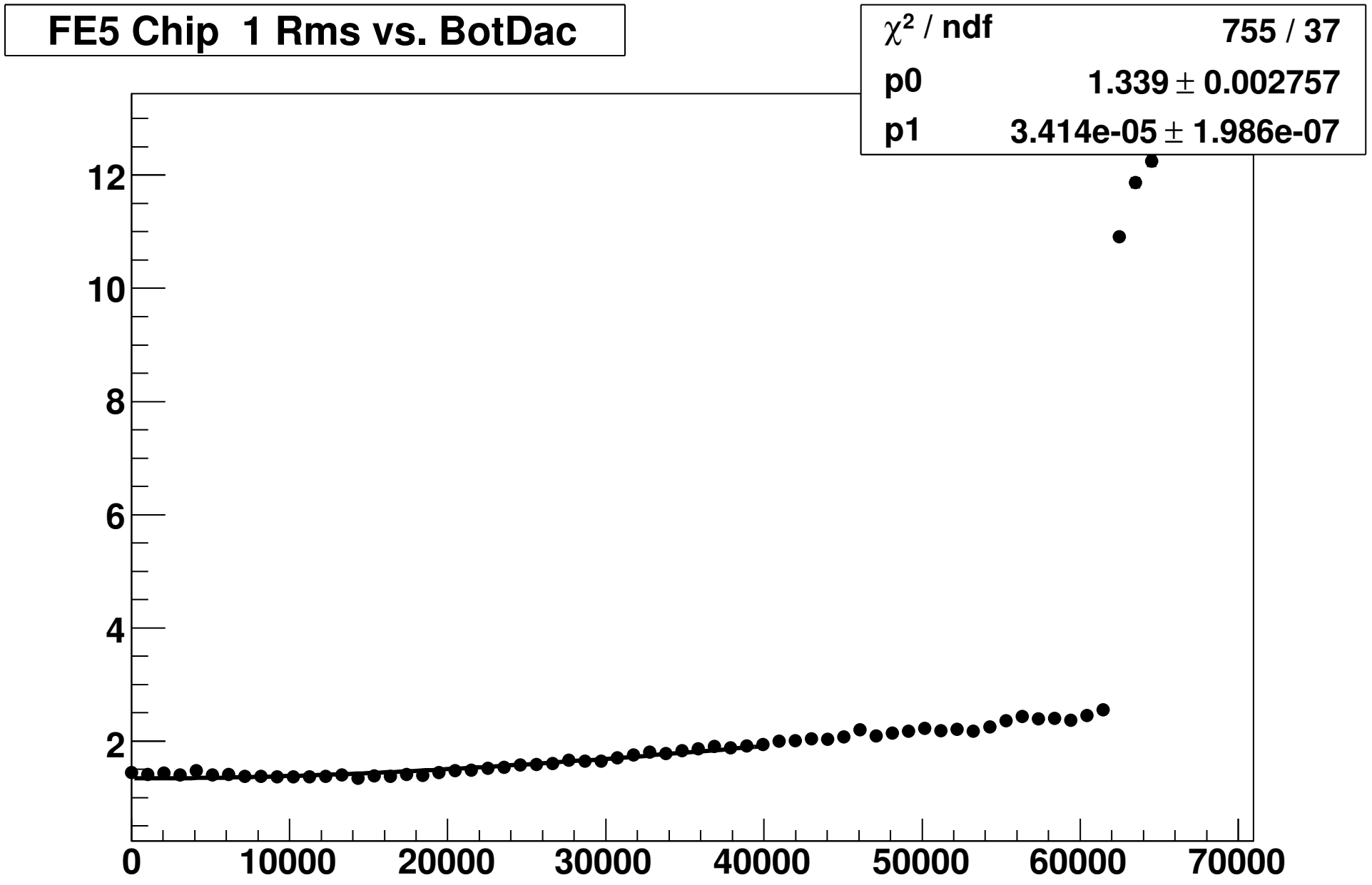

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 8.072e+04 / 37
p0 43.76 ± 0.005077
p1 0.4512 ± 2.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

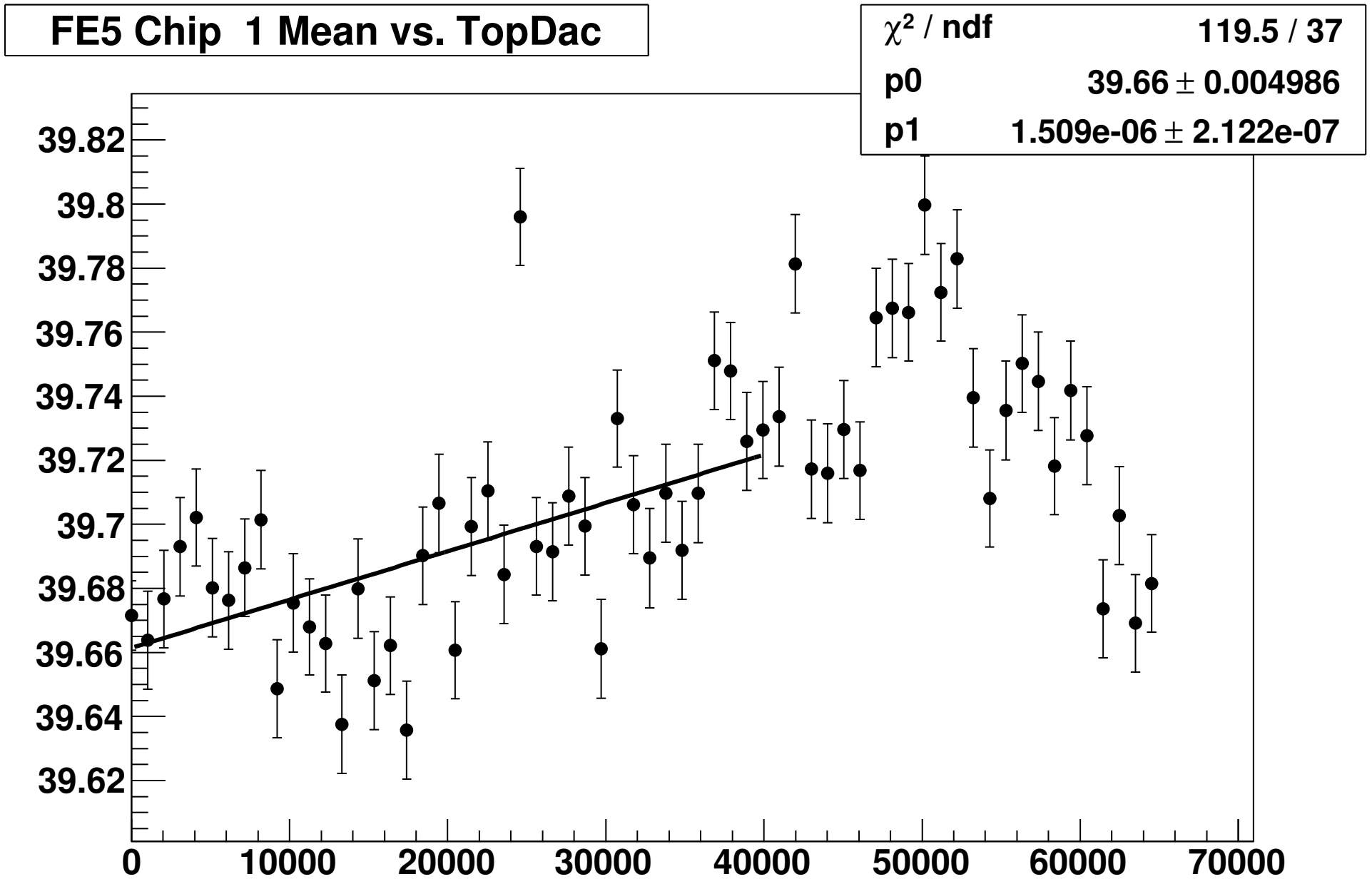

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 943.9 / 37
p0 1.355 ± 0.002776
p1 3.381e-05 ± 2.023e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 151.3 / 37
p0 42.3 ± 0.004947
p1 1.751e-06 ± 2.103e-07
42.45
42.4
42.35
42.3
42.25
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 51.89 / 37
p0 1.427 ± 0.001715
p1 2.33e-13 ± 2.446e-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


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 6.842e+04 / 37
p0 41.27 ± 0.005036
p1 0.4512 ± 2.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 755 / 37
p0 1.339 ± 0.002757
p1 3.414e-05 ± 1.986e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 119.5 / 37
p0 39.66 ± 0.004986
p1 1.509e-06 ± 2.122e-07
39.82
39.8
39.78
39.76
39.74
39.72
39.7
39.68
39.66
39.64
39.62
0
10000
20000
30000
40000
50000
60000
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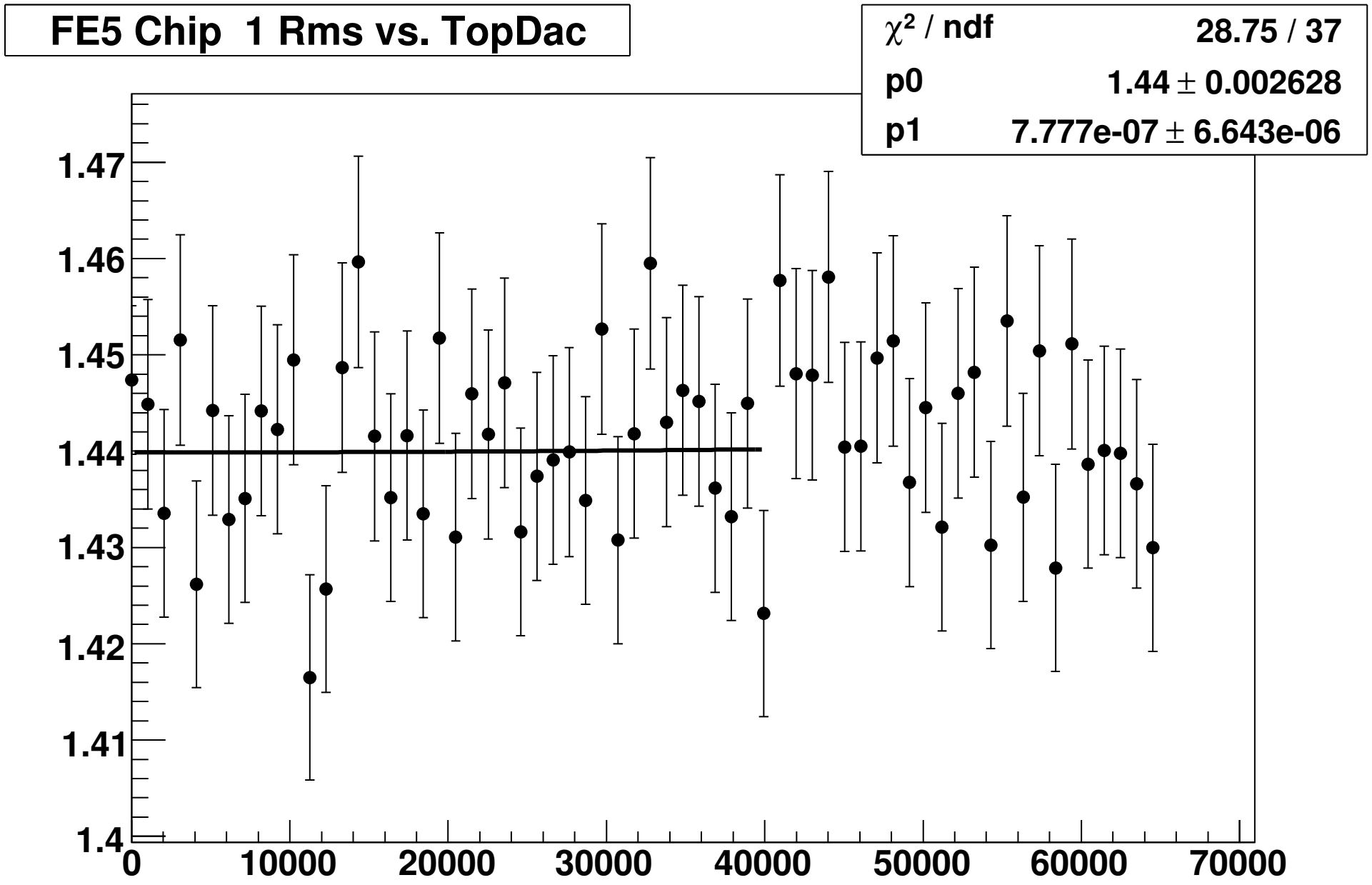
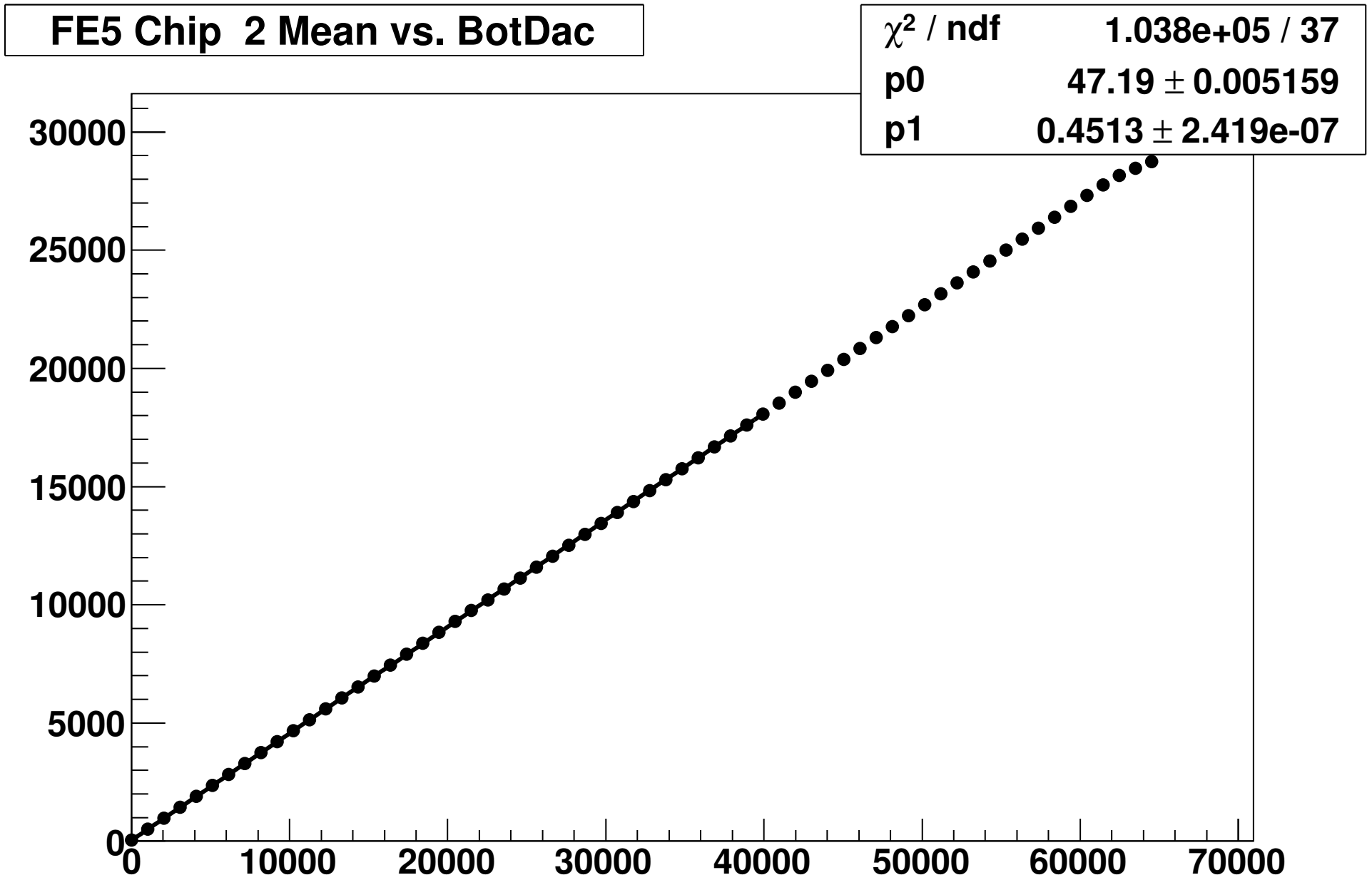
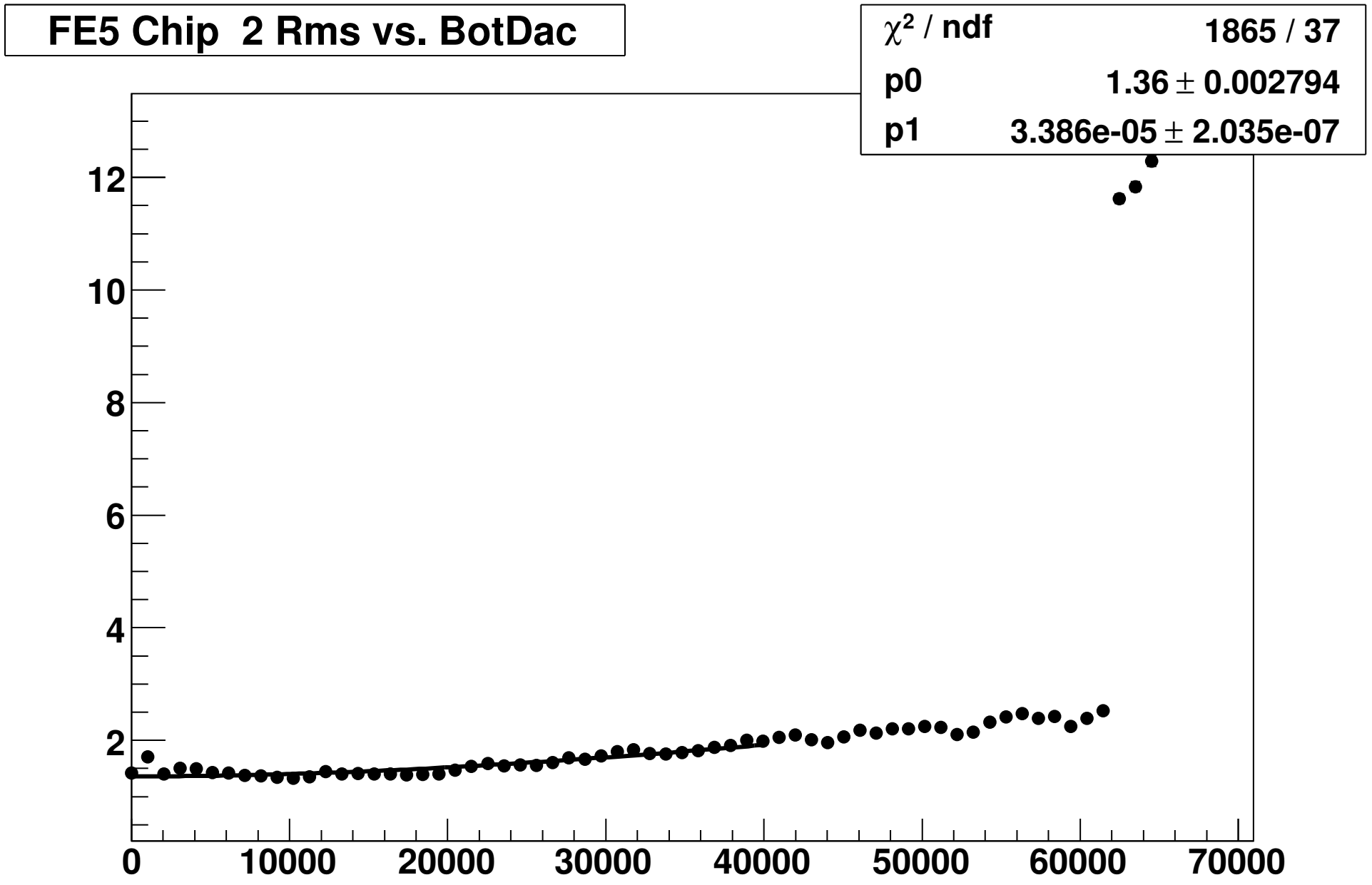

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 28.75 / 37
p0 1.44 ± 0.002628
p1 7.777e-07 ± 6.643e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.038e+05 / 37
p0 47.19 ± 0.005159
p1 0.4513 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1865 / 37
p0 1.36 ± 0.002794
p1 3.386e-05 ± 2.035e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
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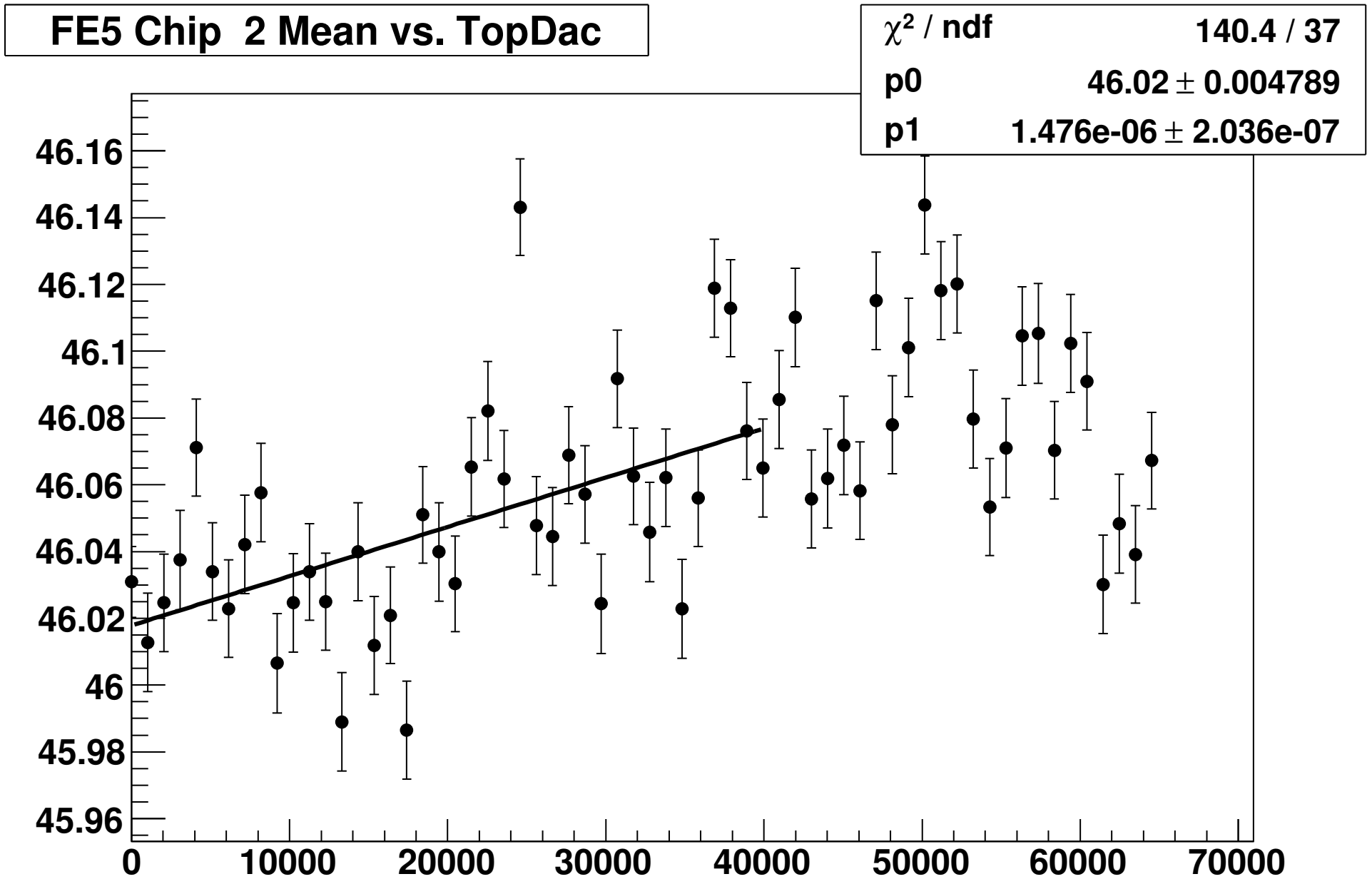
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 140.4 / 37
p0 46.02 ± 0.004789
p1 1.476e-06 ± 2.036e-07
46.16
46.14
46.12
46.1
46.08
46.06
46.04
46.02
46
45.98
45.96
0
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20000
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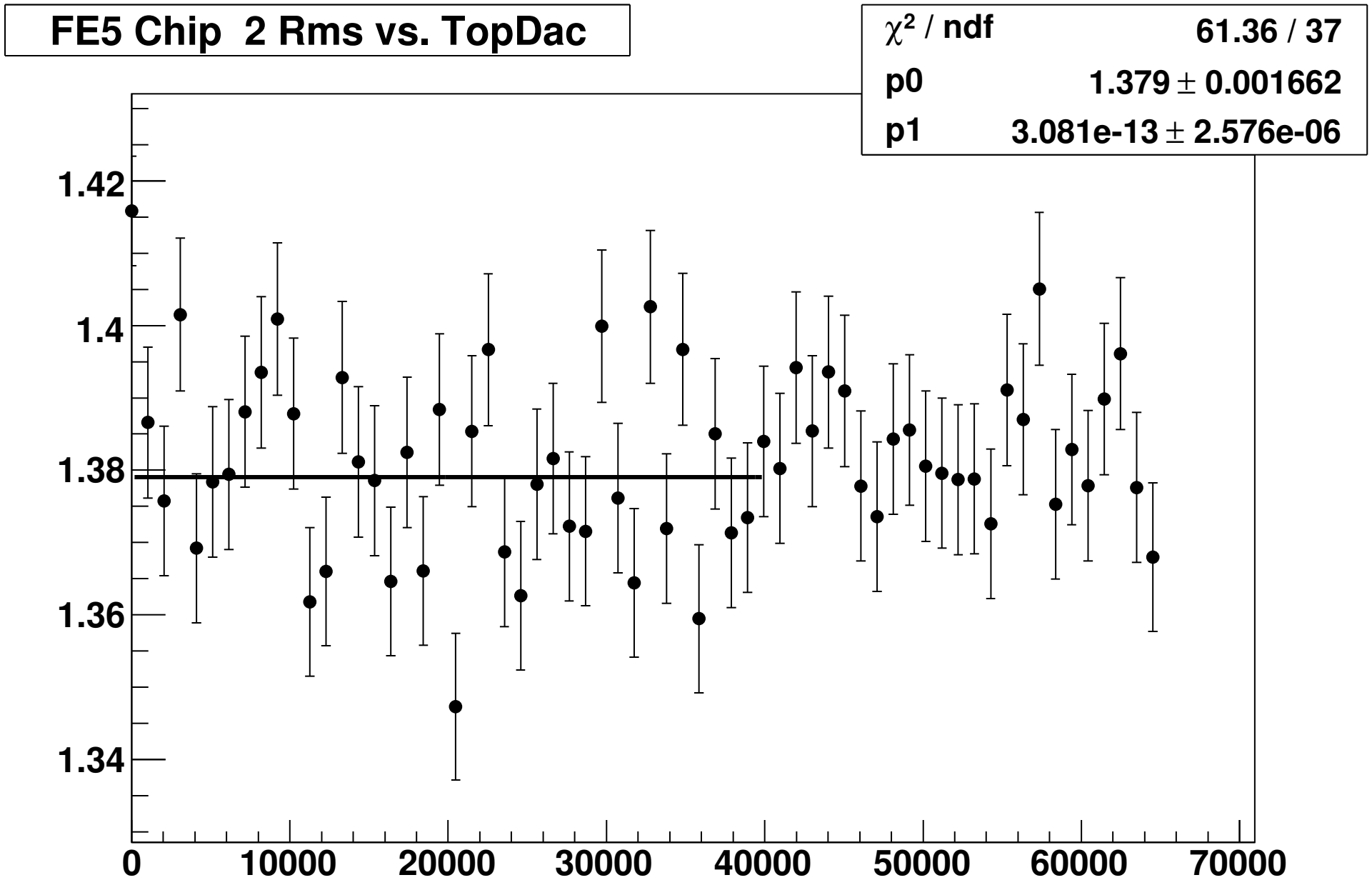
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 61.36 / 37
p0 1.379 ± 0.001662
p1 3.081e-13 ± 2.576e-06
1.42
1.4
1.38
1.36
1.34
0
10000
20000
30000
40000
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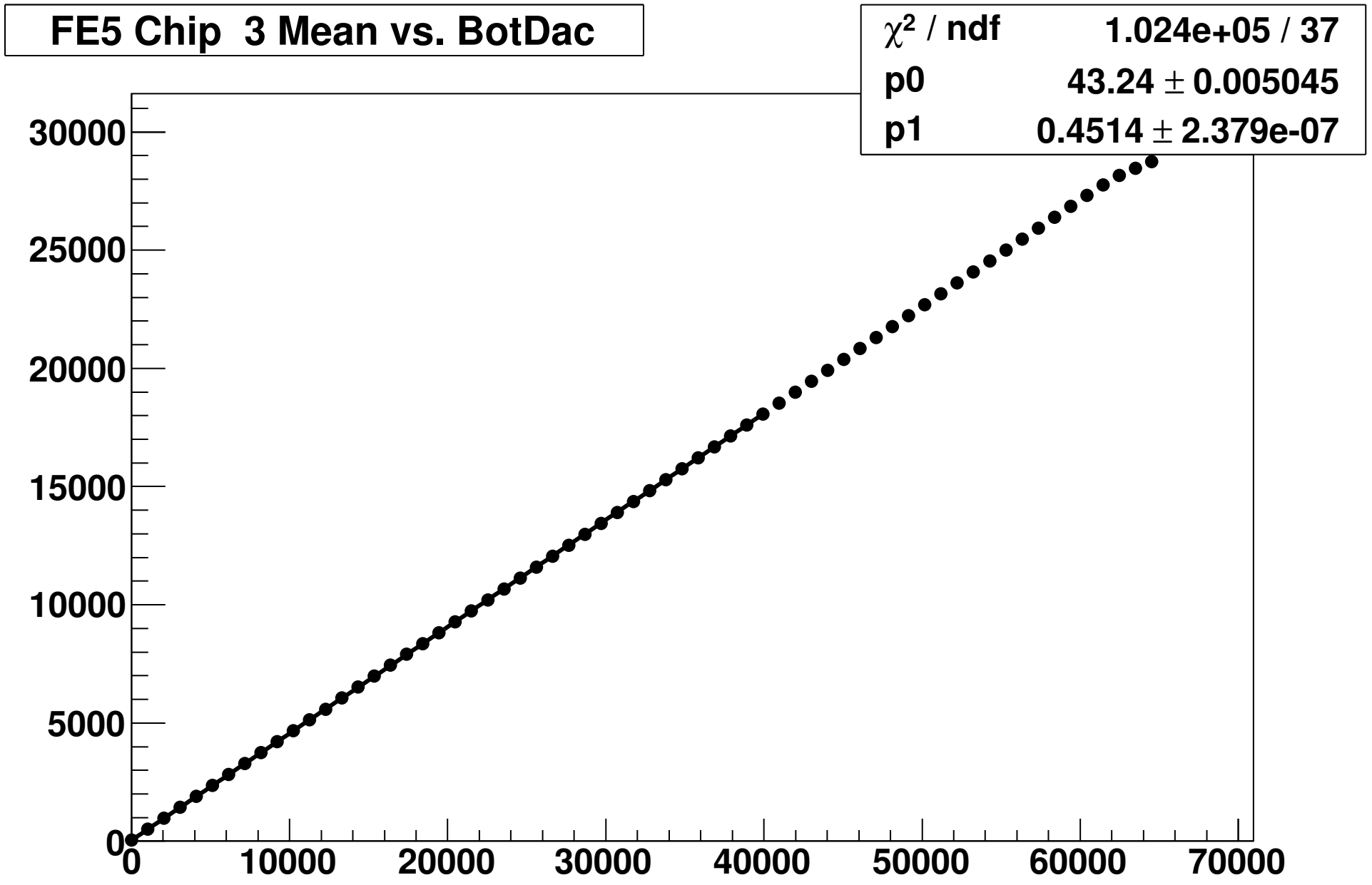
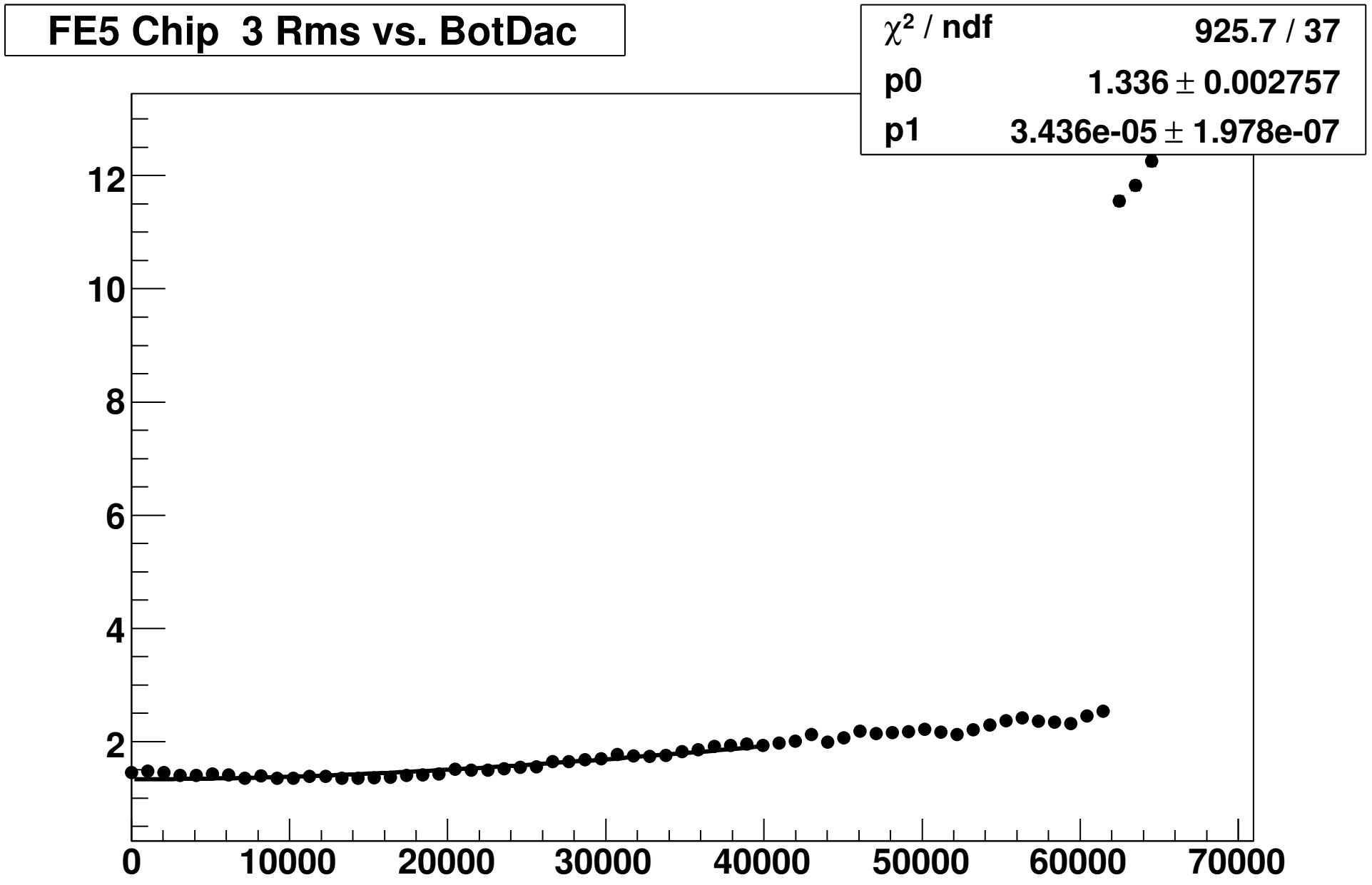
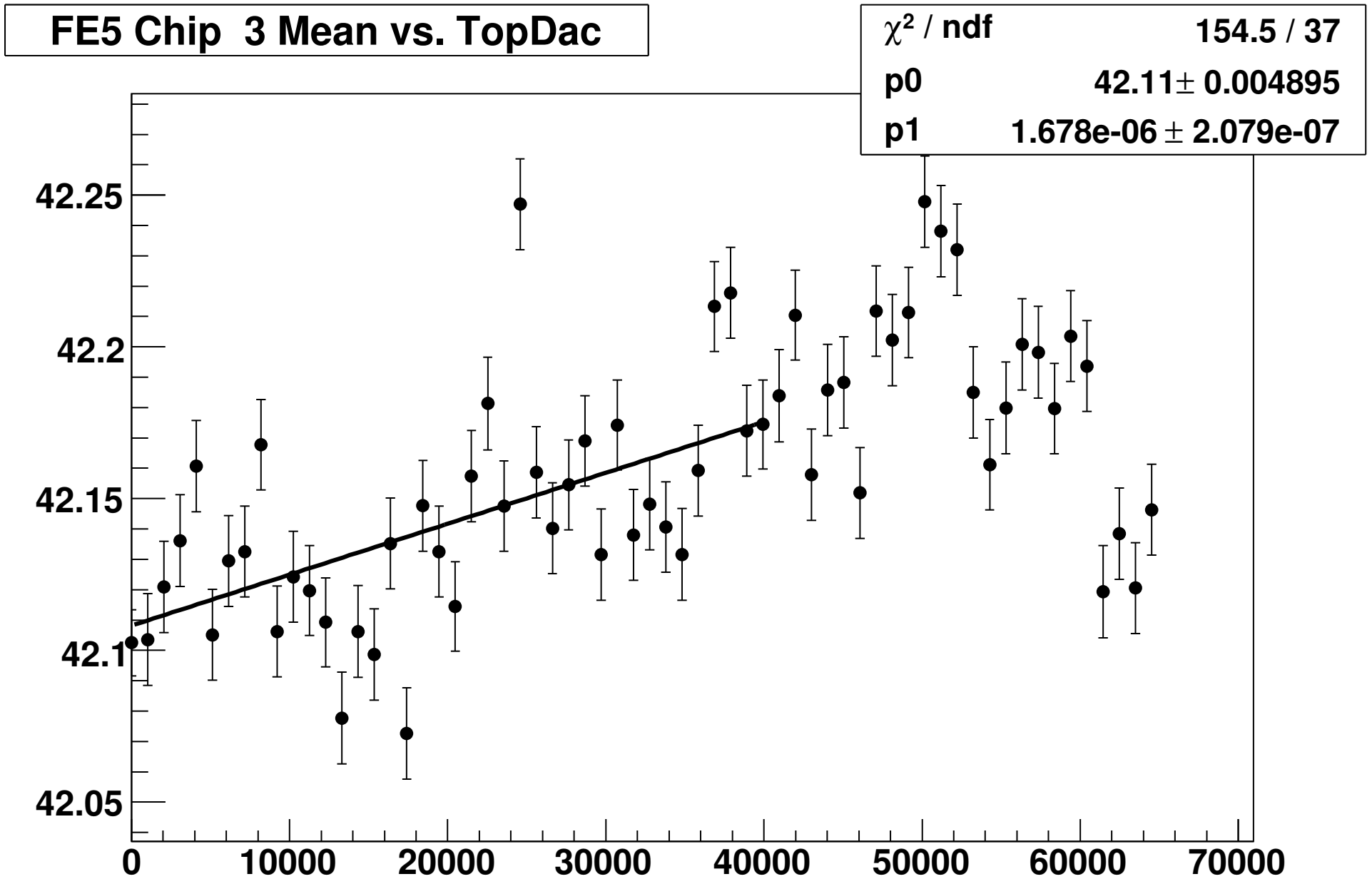
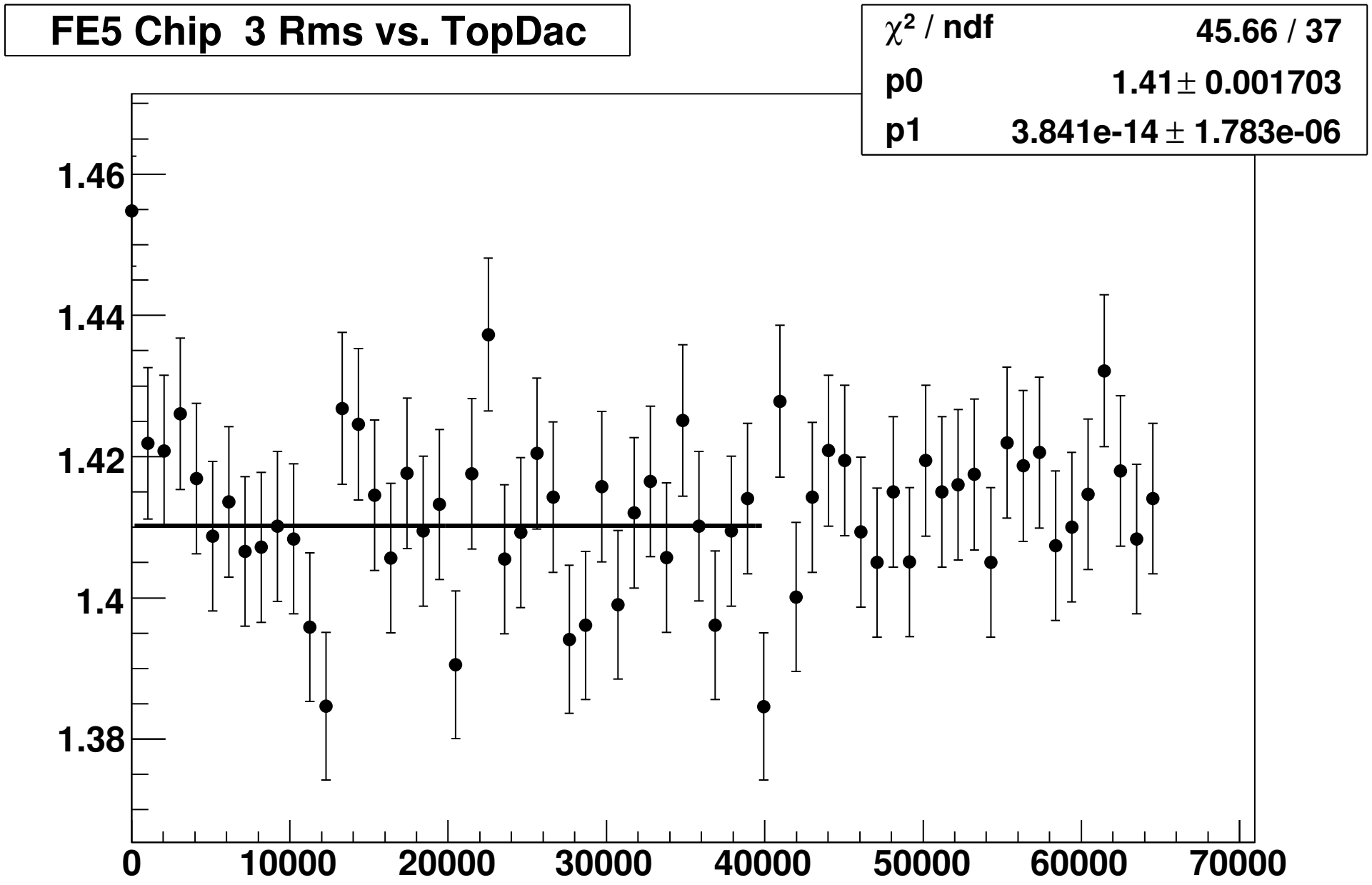
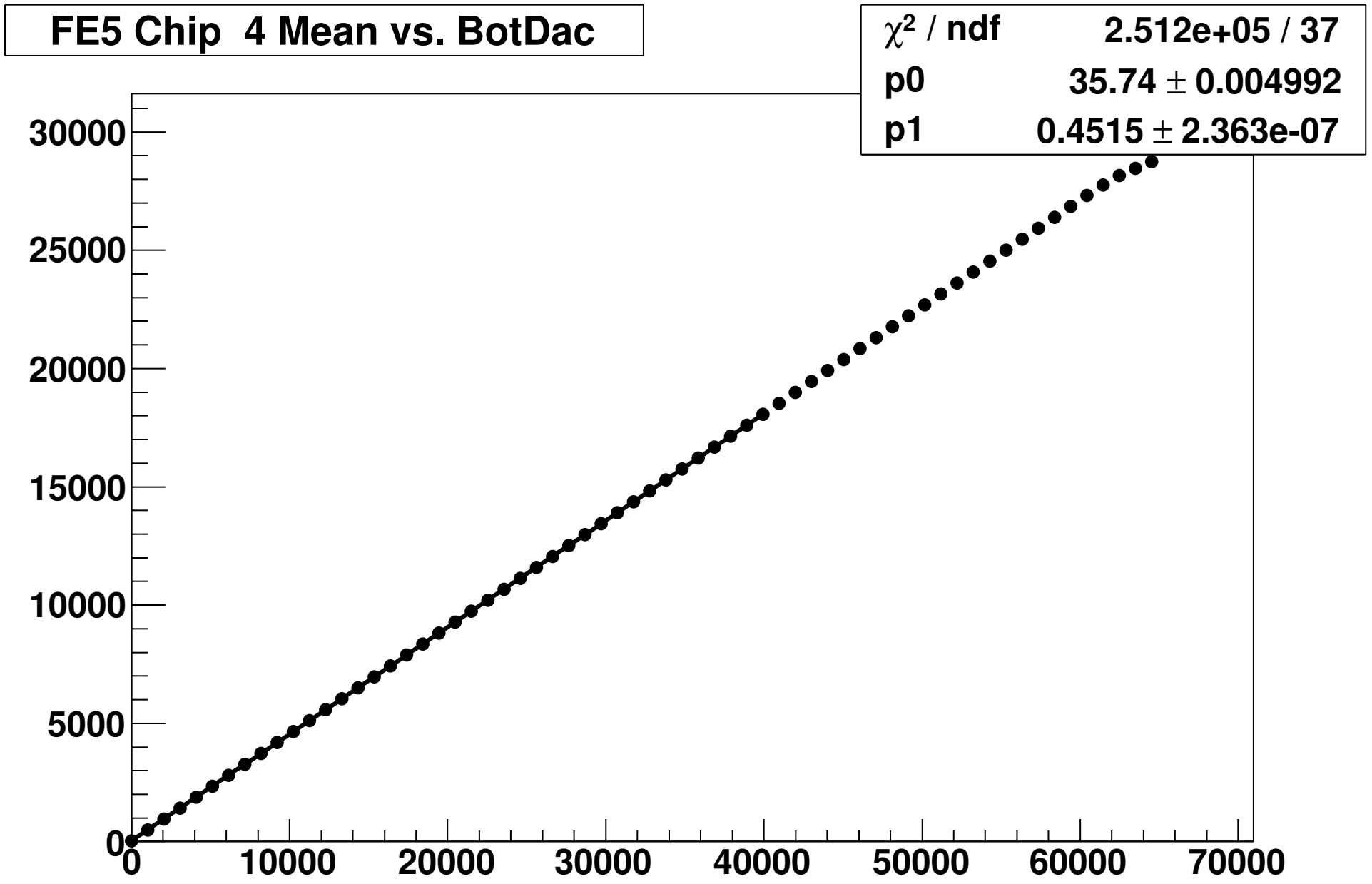
60000
70000

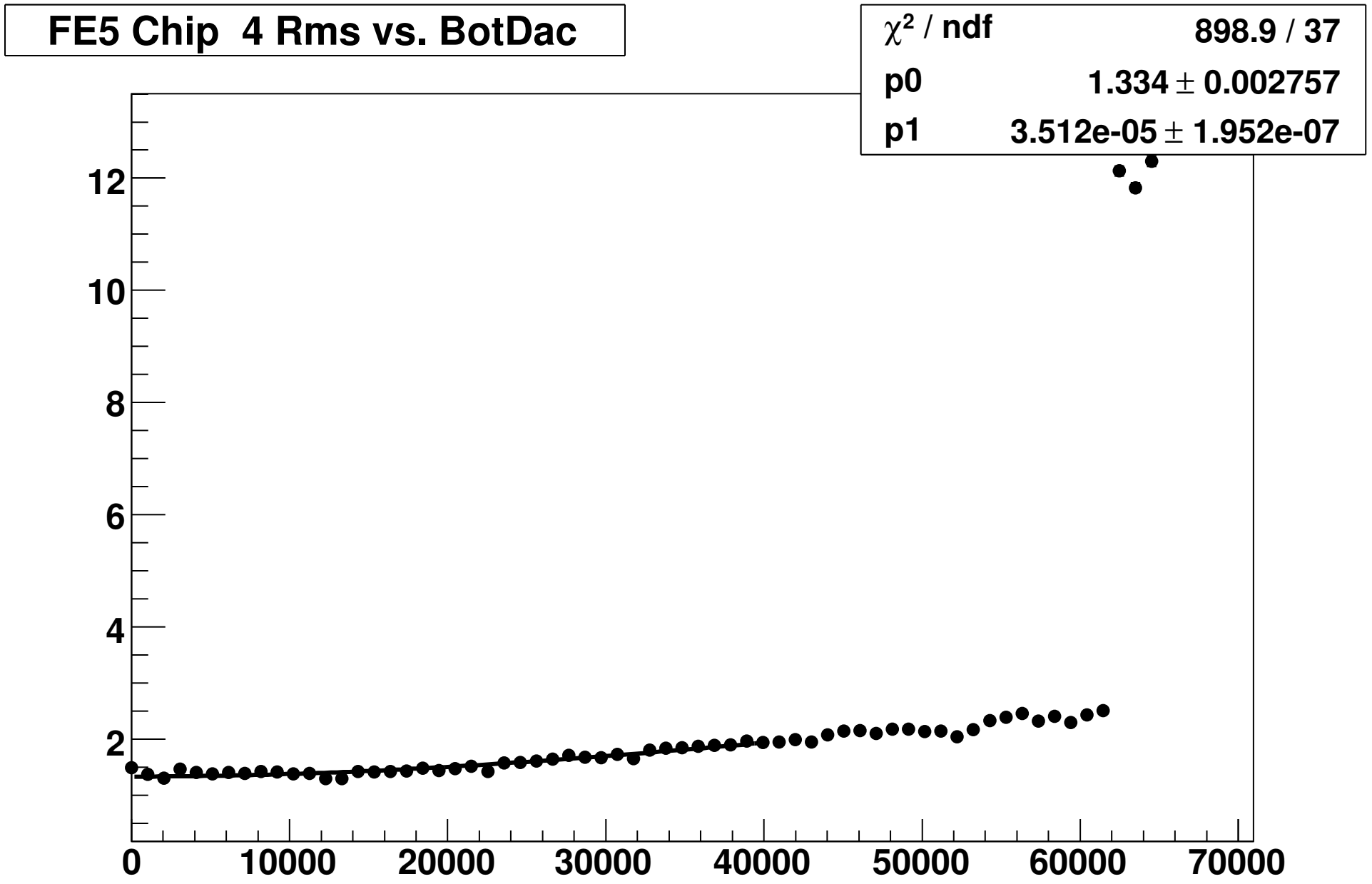

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.024e+05 / 37
p0 43.24 ± 0.005045
p1 0.4514 ± 2.379e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

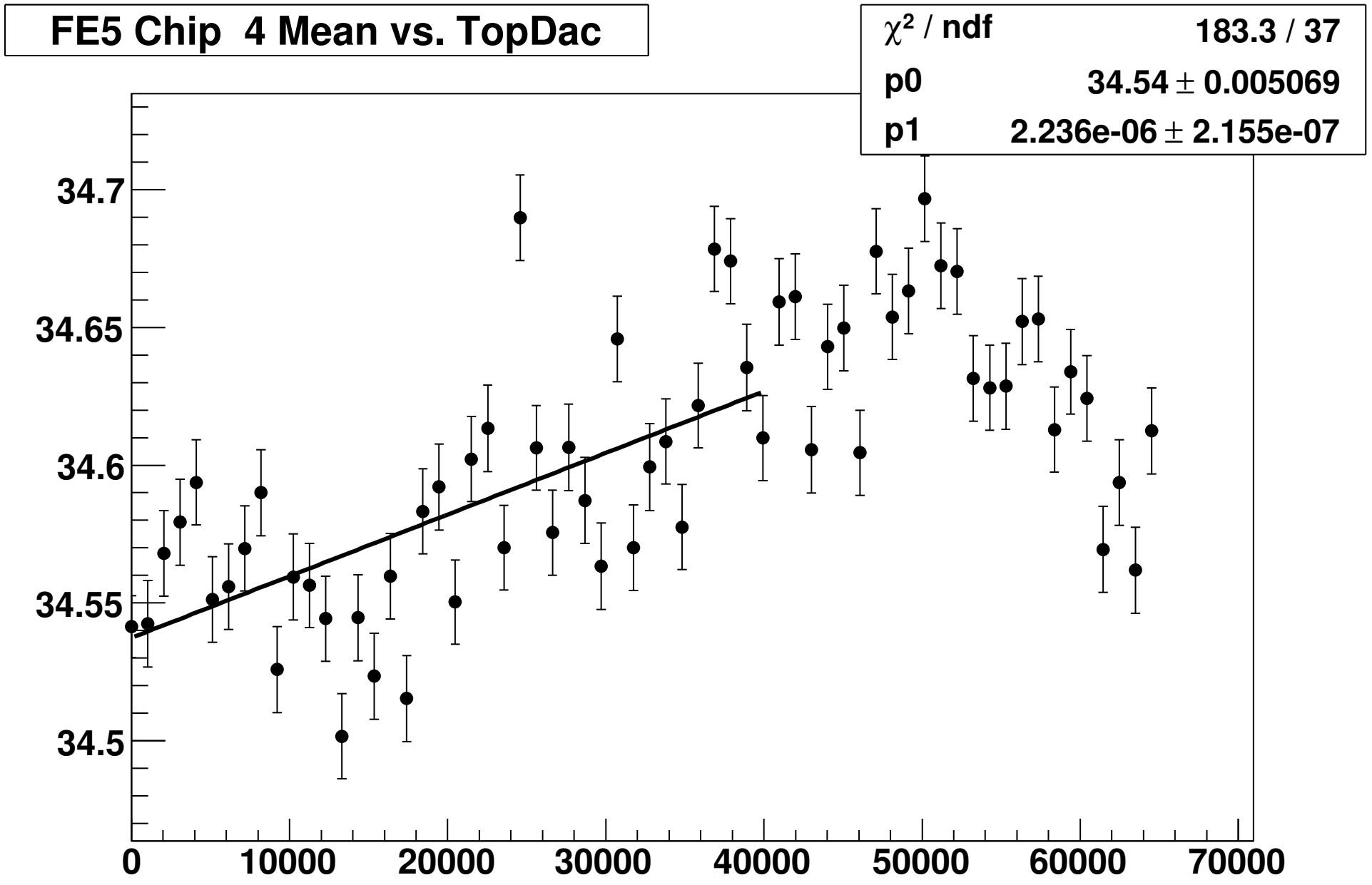

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 925.7 / 37
p0 1.336 ± 0.002757
p1 3.436e-05 ± 1.978e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

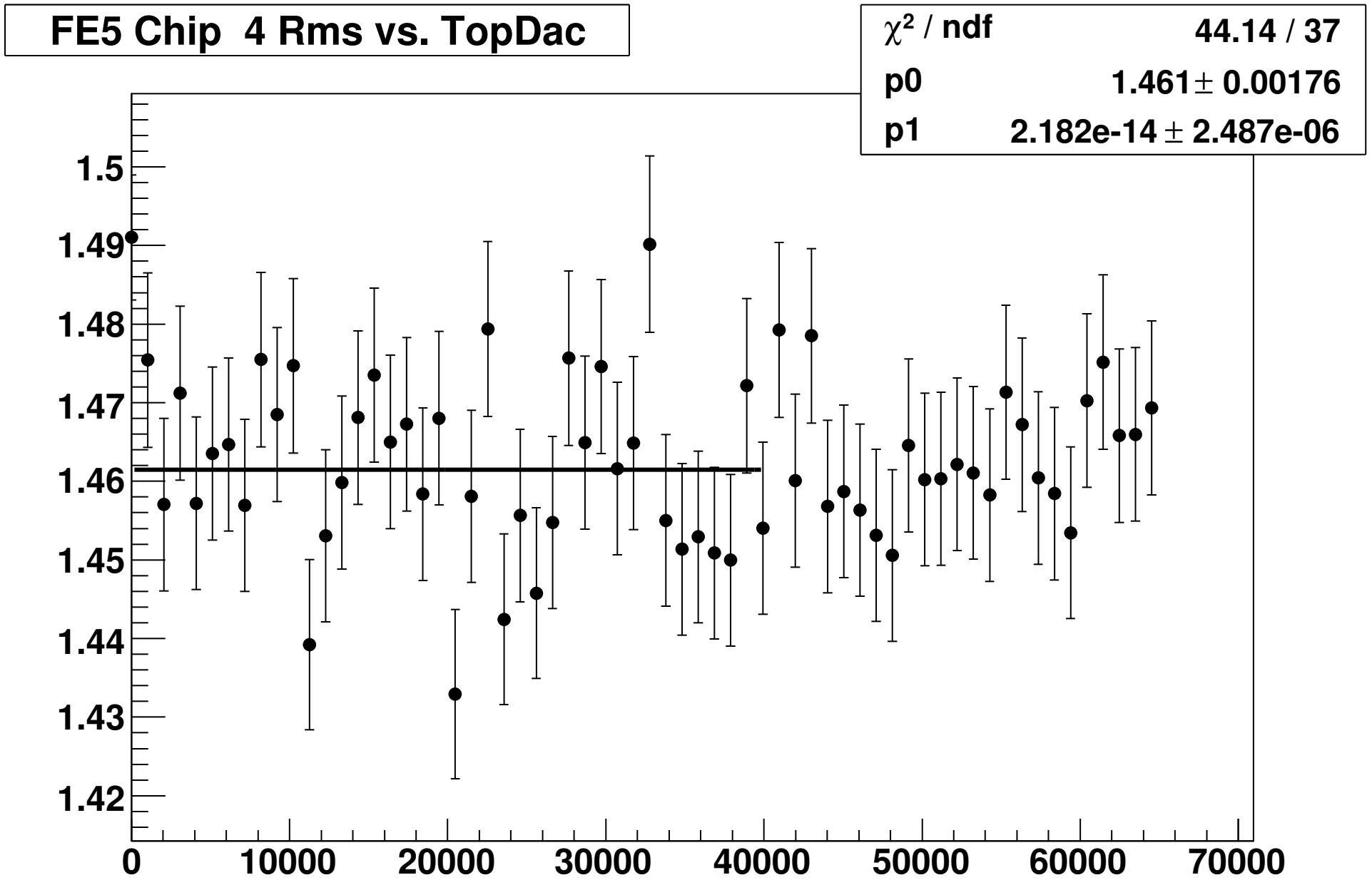

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 154.5 / 37
p0 42.11 ± 0.004895
p1 1.678e-06 ± 2.079e-07
42.25
42.2
42.15
42.1
42.05
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 45.66 / 37
p0 1.41 ± 0.001703
p1 3.841e-14 ± 1.783e-06
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 2.512e+05 / 37
p0 35.74 ± 0.004992
p1 0.4515 ± 2.363e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 898.9 / 37
p0 1.334 ± 0.002757
p1 3.512e-05 ± 1.952e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 183.3 / 37
p0 34.54 ± 0.005069
p1 2.236e-06 ± 2.155e-07
34.7
34.65
34.6
34.55
34.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 44.14 / 37
p0 1.461 ± 0.00176
p1 2.182e-14 ± 2.487e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
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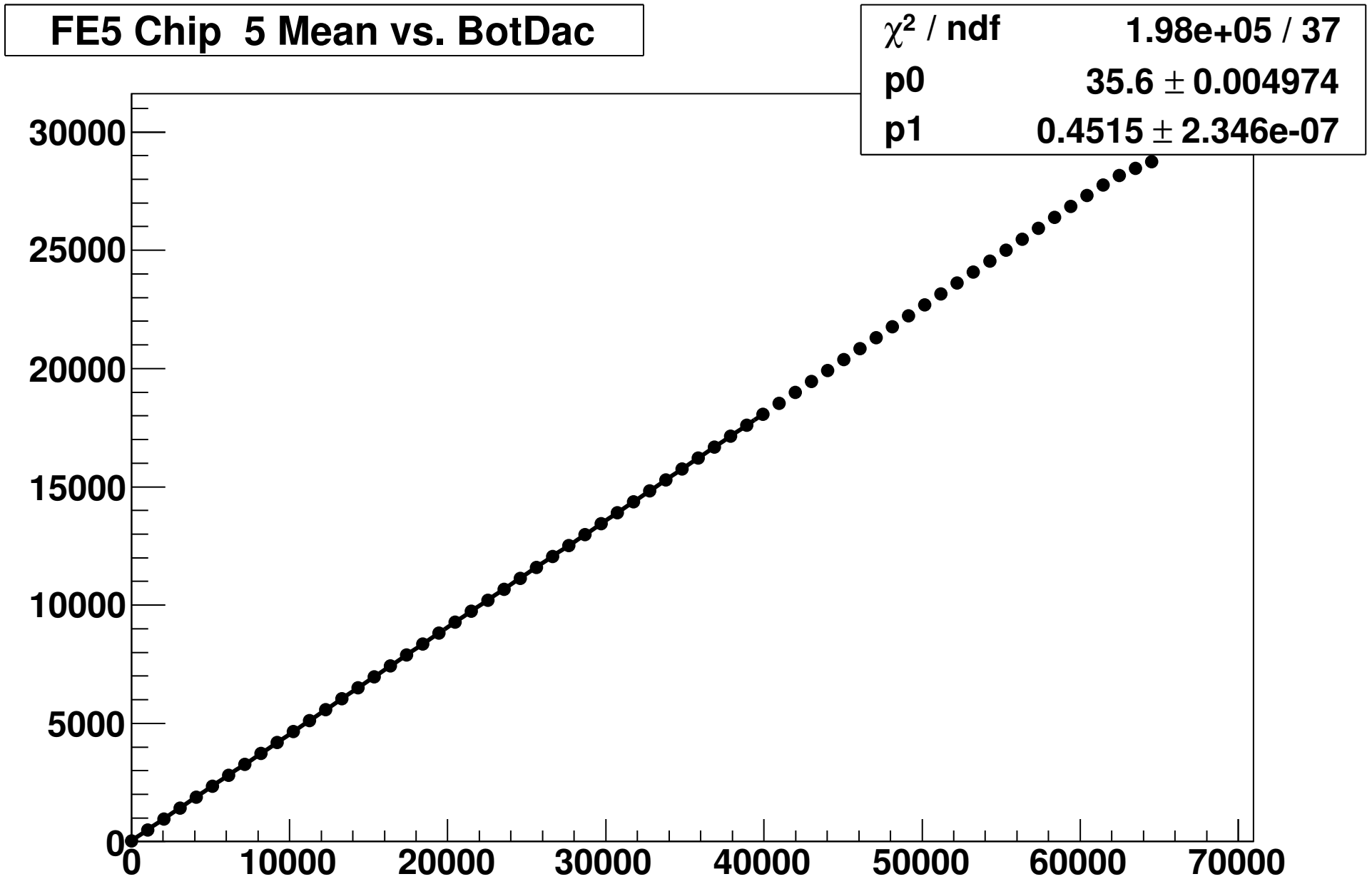
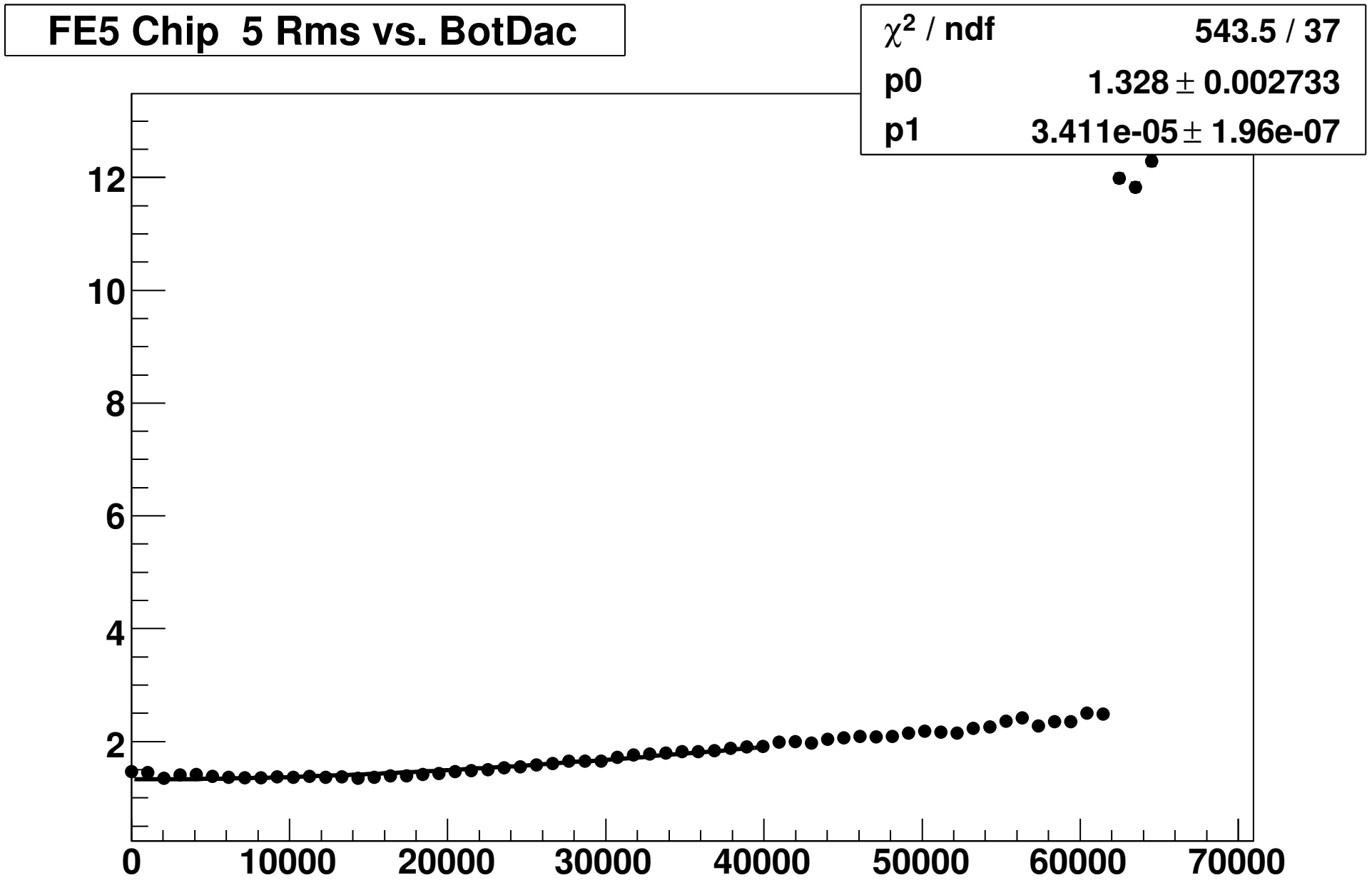
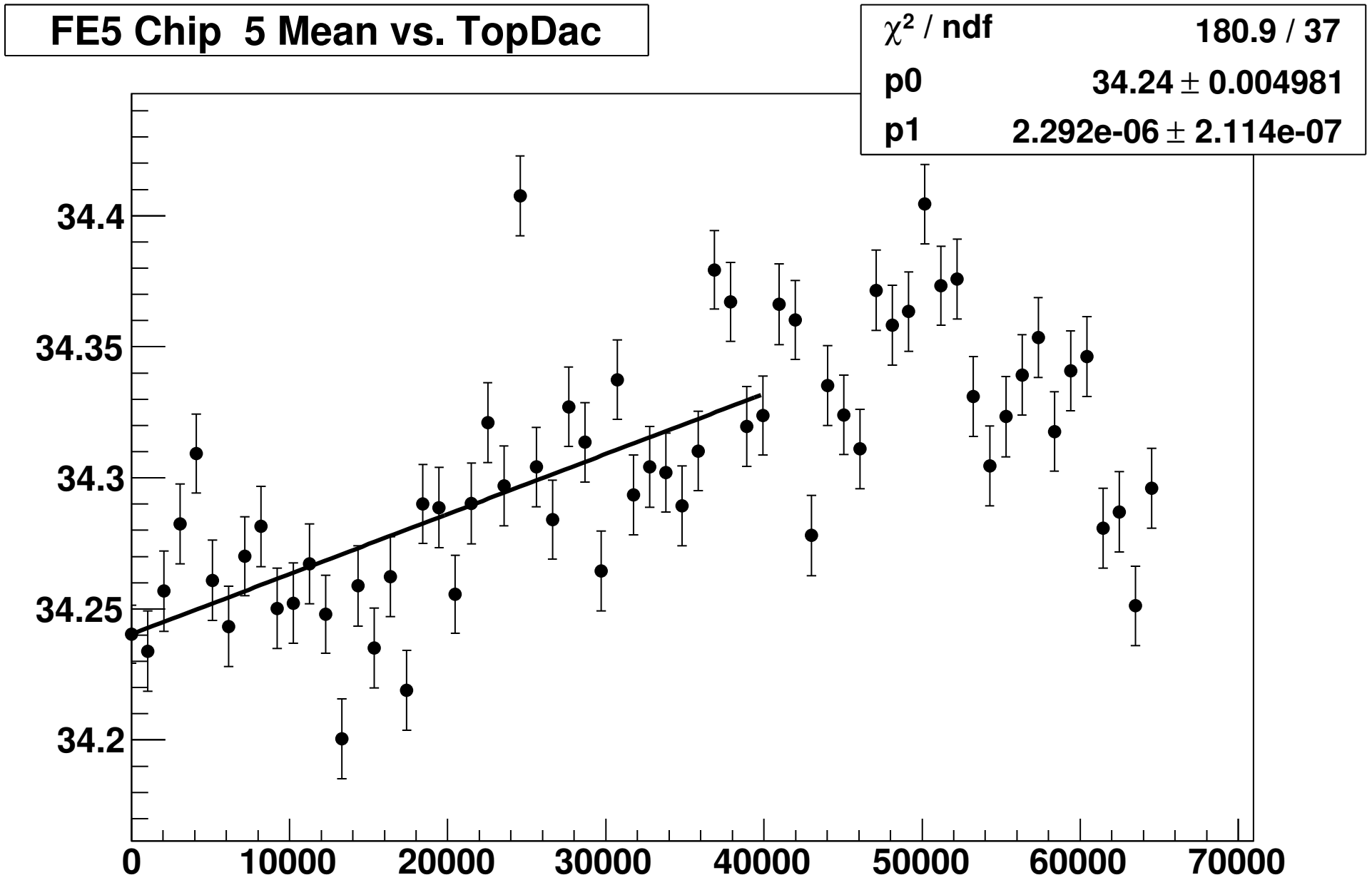
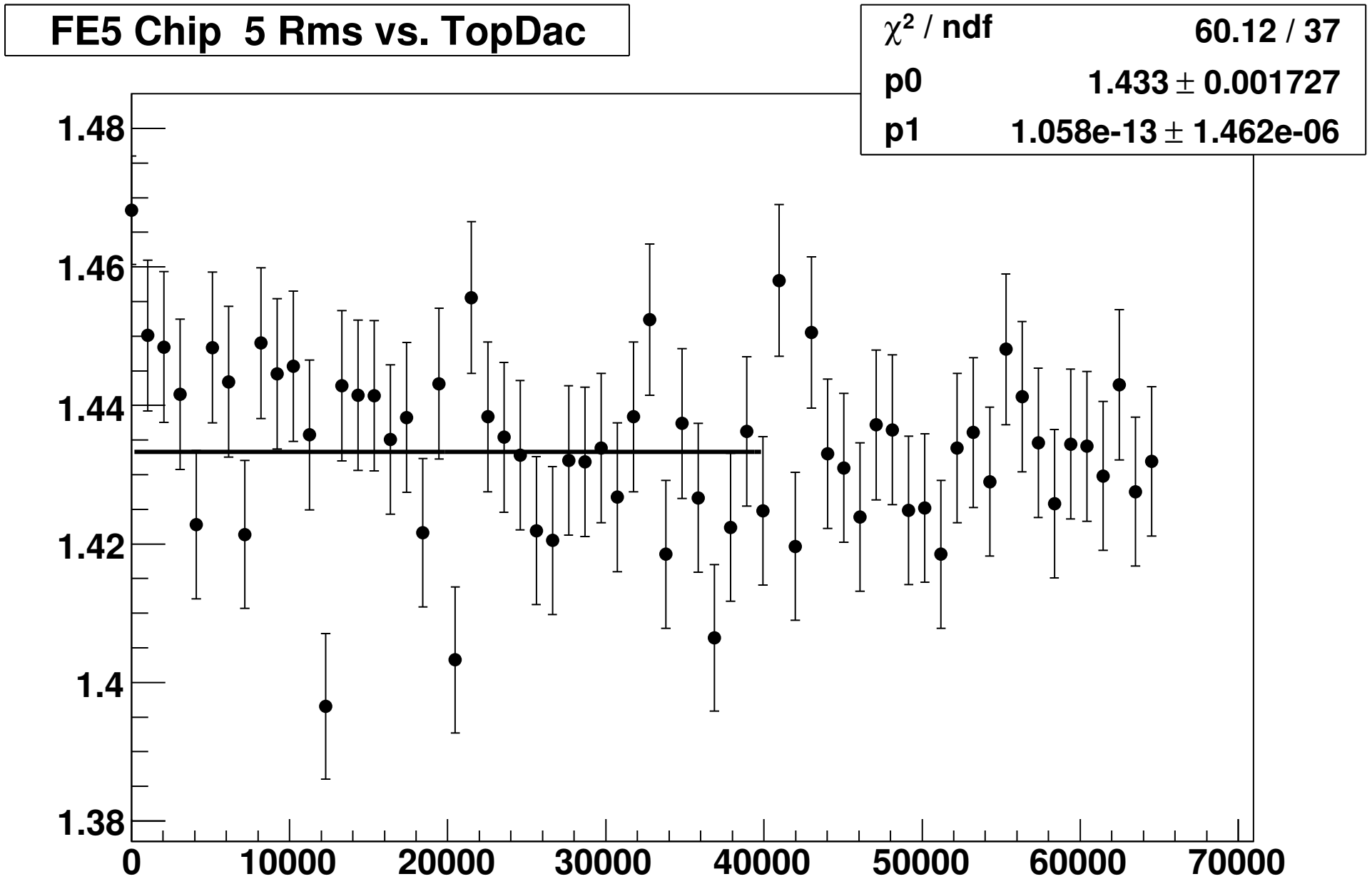

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.98e+05 / 37
p0 35.6 ± 0.004974
p1 0.4515 ± 2.346e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 543.5 / 37
p0 1.328 ± 0.002733
p1 3.411e-05 ± 1.96e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 180.9 / 37
p0 34.24 ± 0.004981
p1 2.292e-06 ± 2.114e-07
34.4
34.35
34.3
34.25
34.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 60.12 / 37
p0 1.433 ± 0.001727
p1 1.058e-13 ± 1.462e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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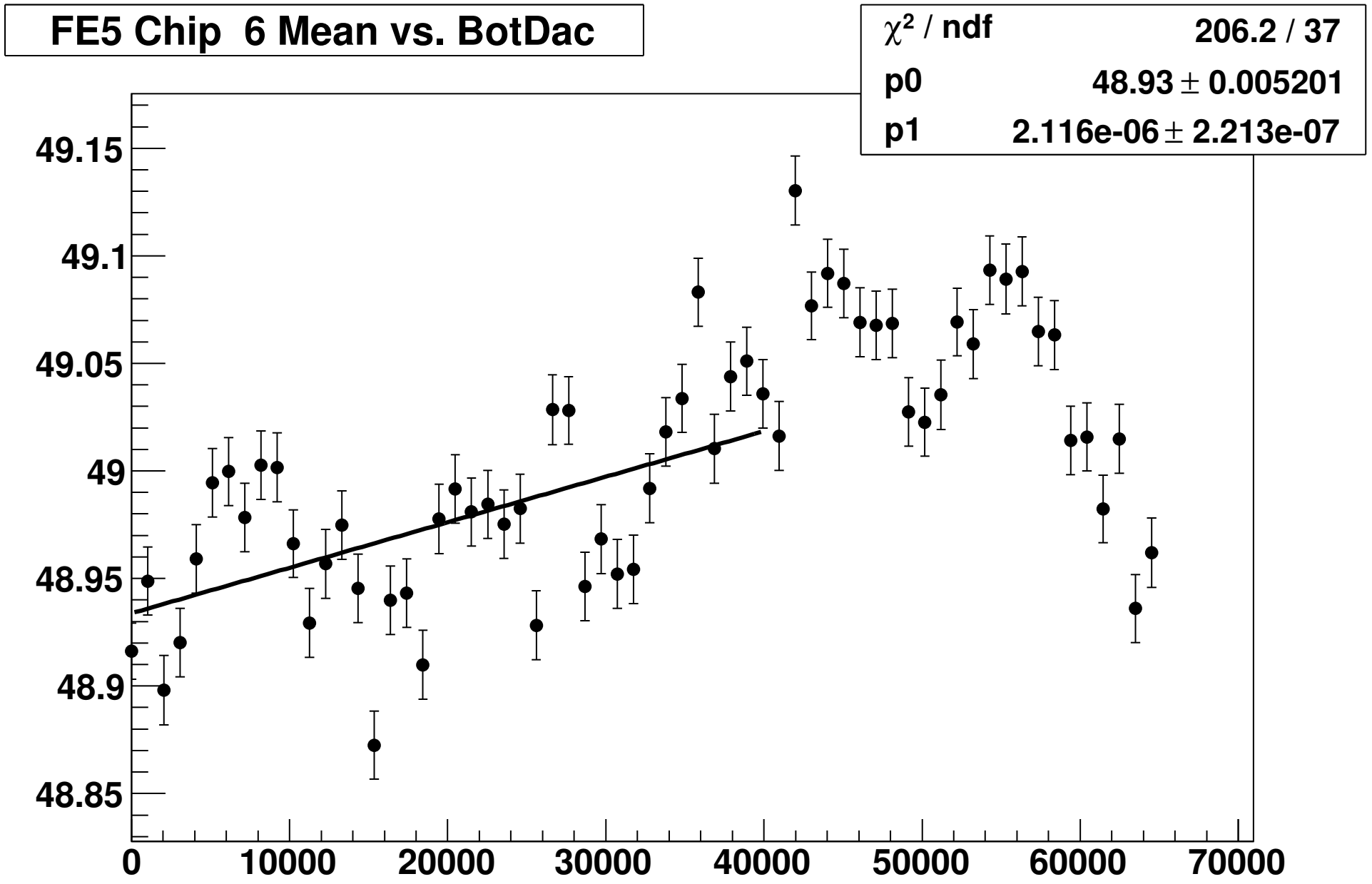
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 206.2 / 37
p0 48.93 ± 0.005201
p1 2.116e-06 ± 2.213e-07
49.15
49.1
49.05
49
48.95
48.9
48.85
0
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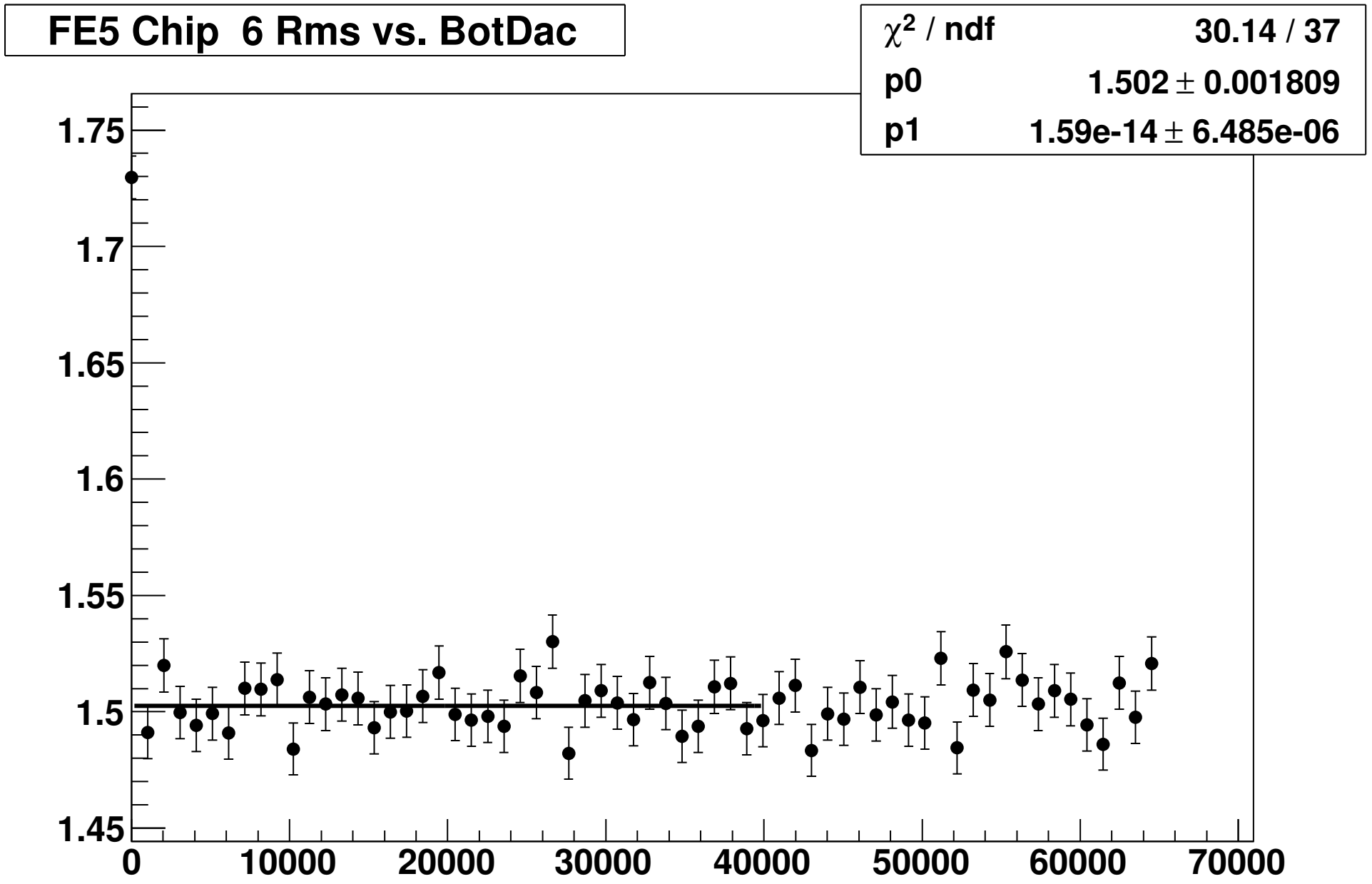
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 30.14 / 37
p0 1.502 ± 0.001809
p1 1.59e-14 ± 6.485e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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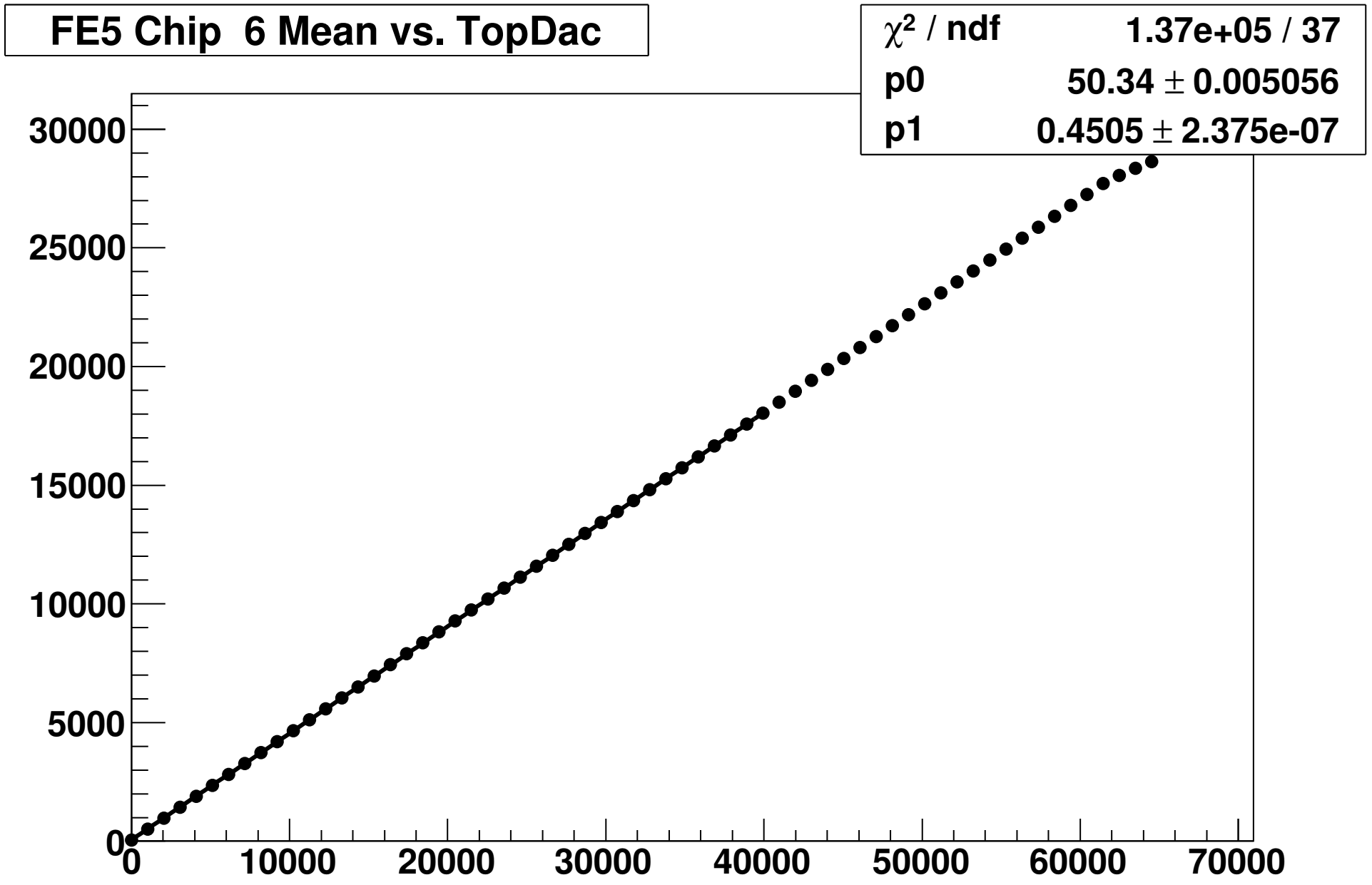
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.37e+05 / 37
p0 50.34 ± 0.005056
p1 0.4505 ± 2.375e-07
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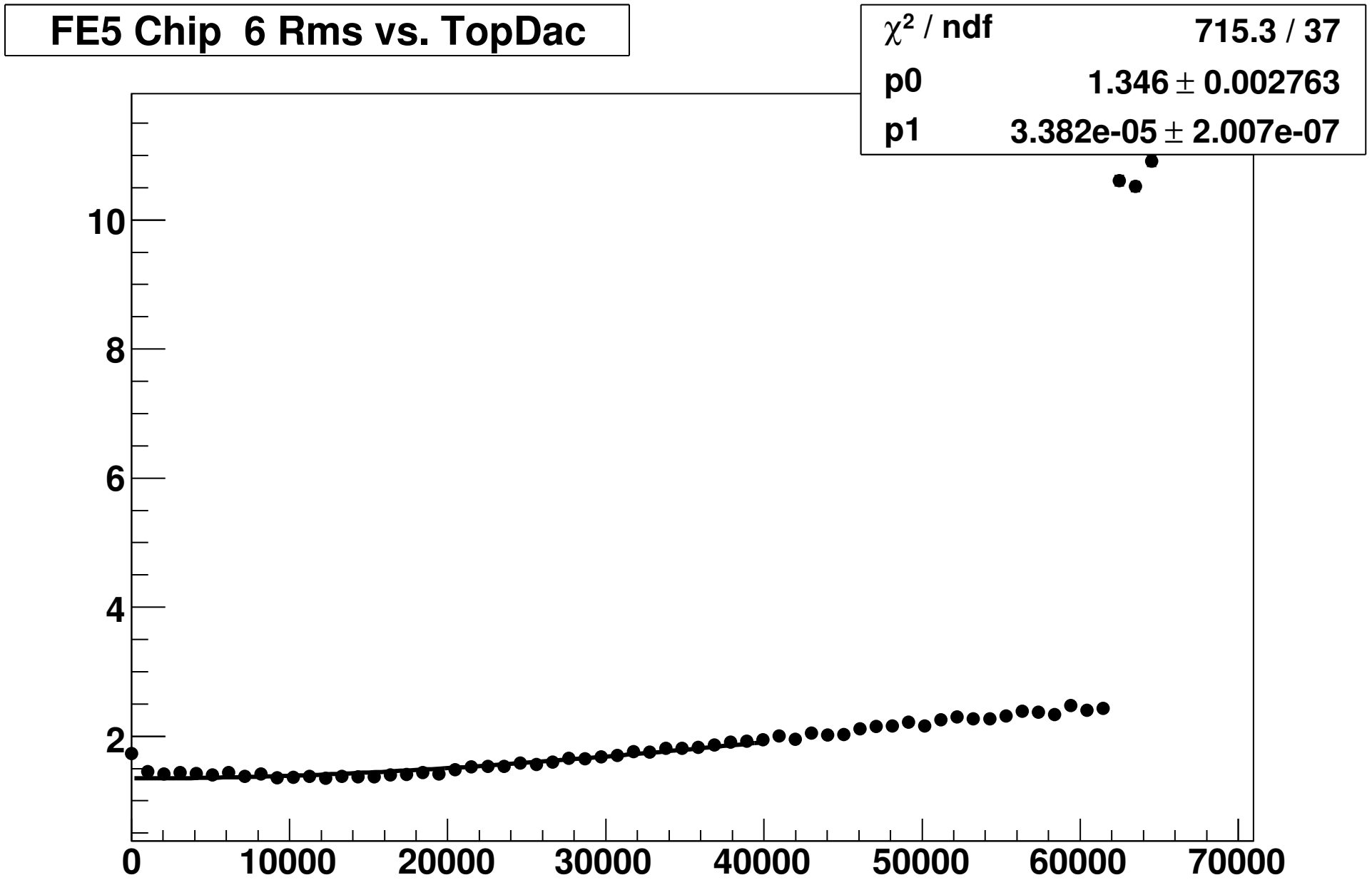
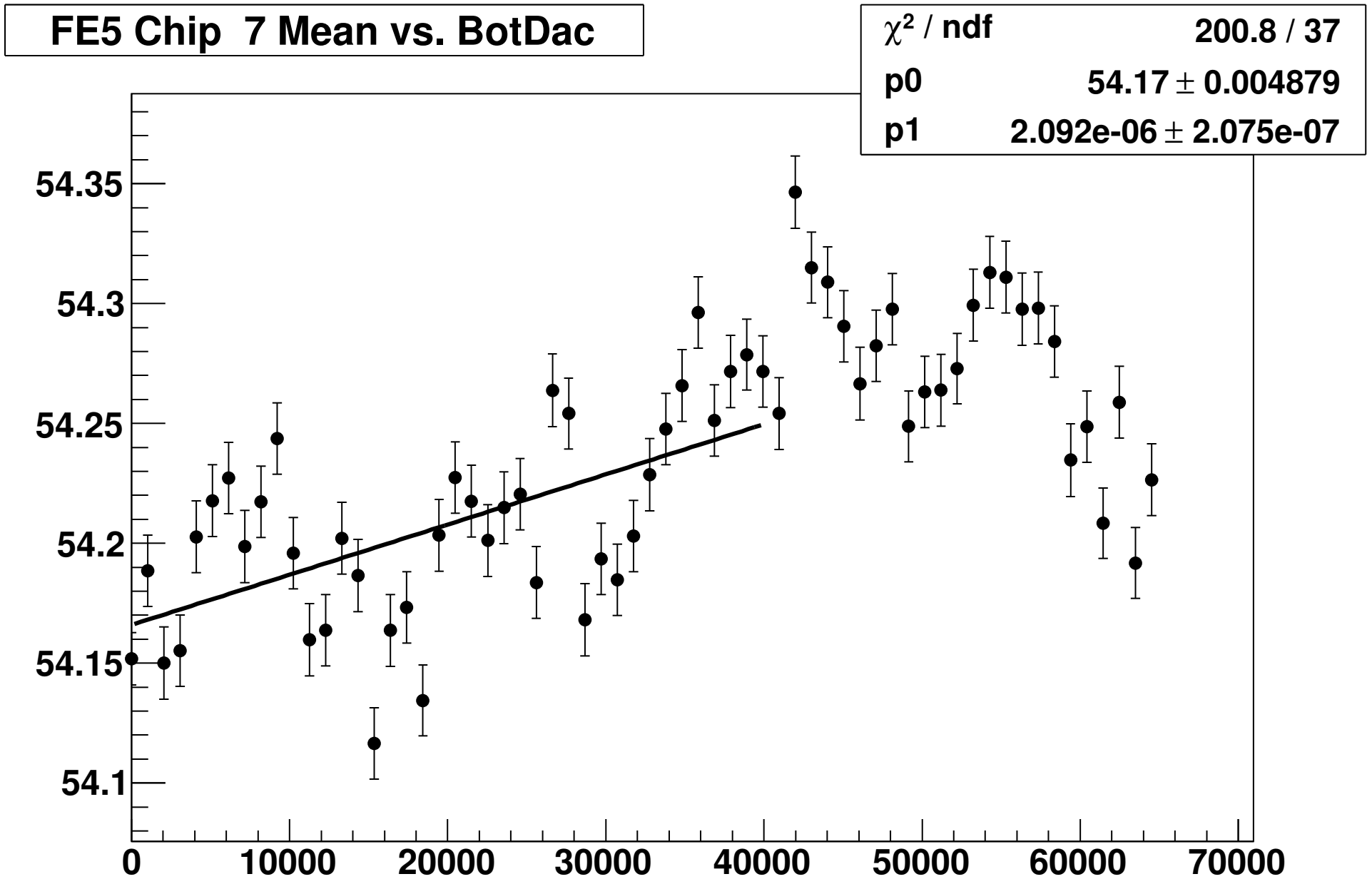
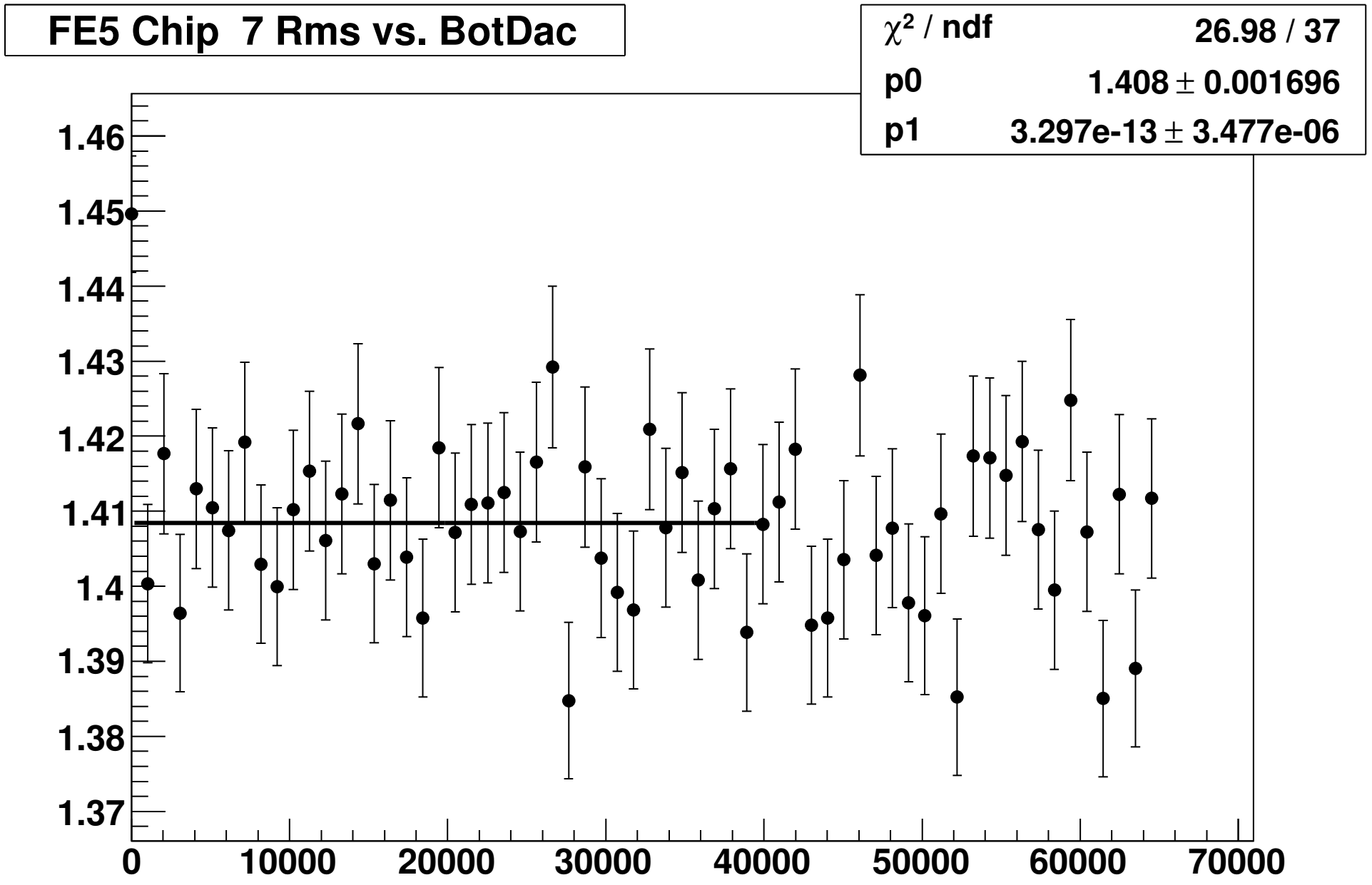
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 715.3 / 37
p0 1.346 ± 0.002763
p1 3.382e-05 ± 2.007e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 200.8 / 37
p0 54.17 ± 0.004879
p1 2.092e-06 ± 2.075e-07
54.35
54.3
54.25
54.2
54.15
54.1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 26.98 / 37
p0 1.408 ± 0.001696
p1 3.297e-13 ± 3.477e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
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30000
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50000
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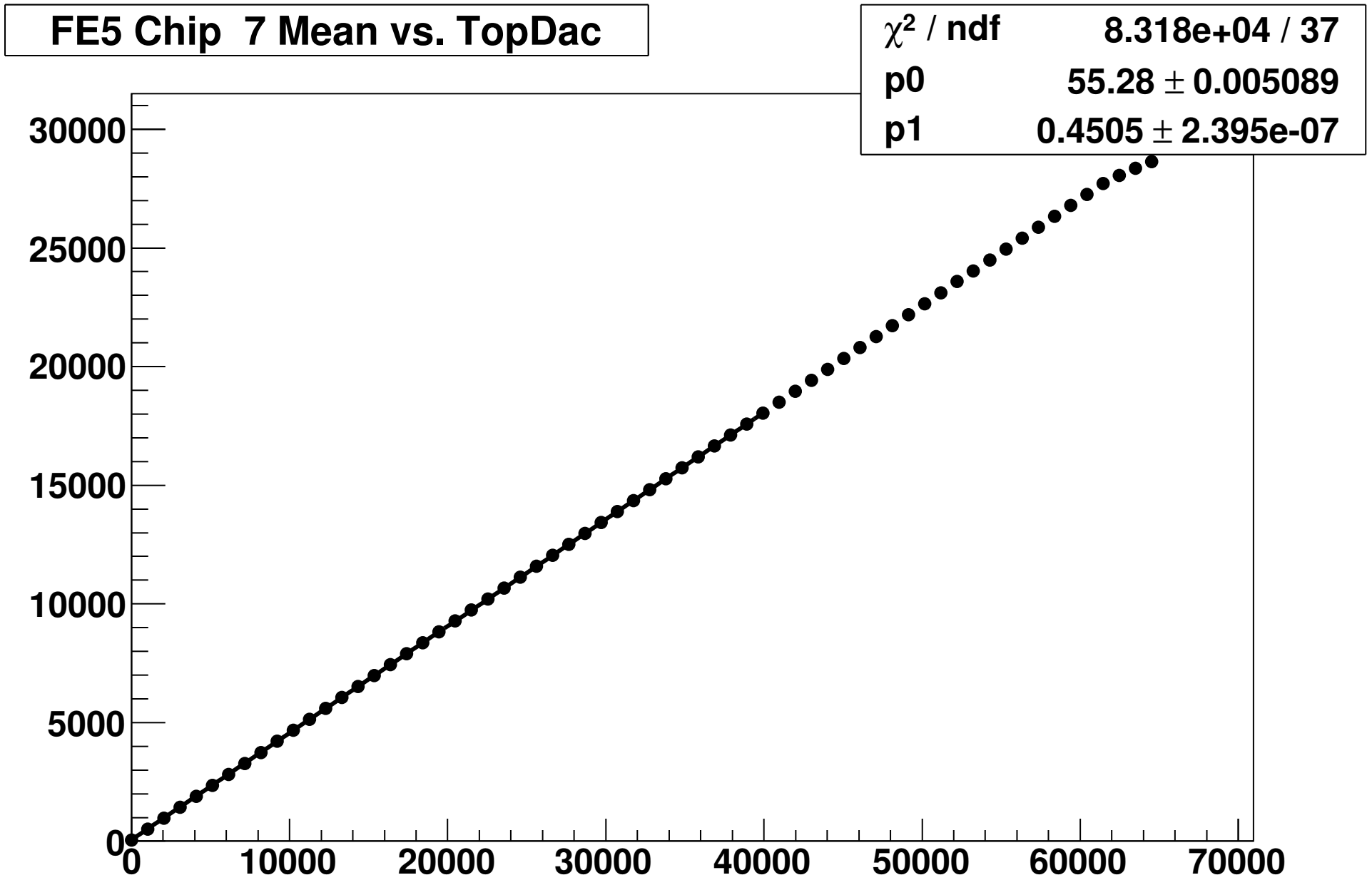
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 8.318e+04 / 37
p0 55.28 ± 0.005089
p1 0.4505 ± 2.395e-07
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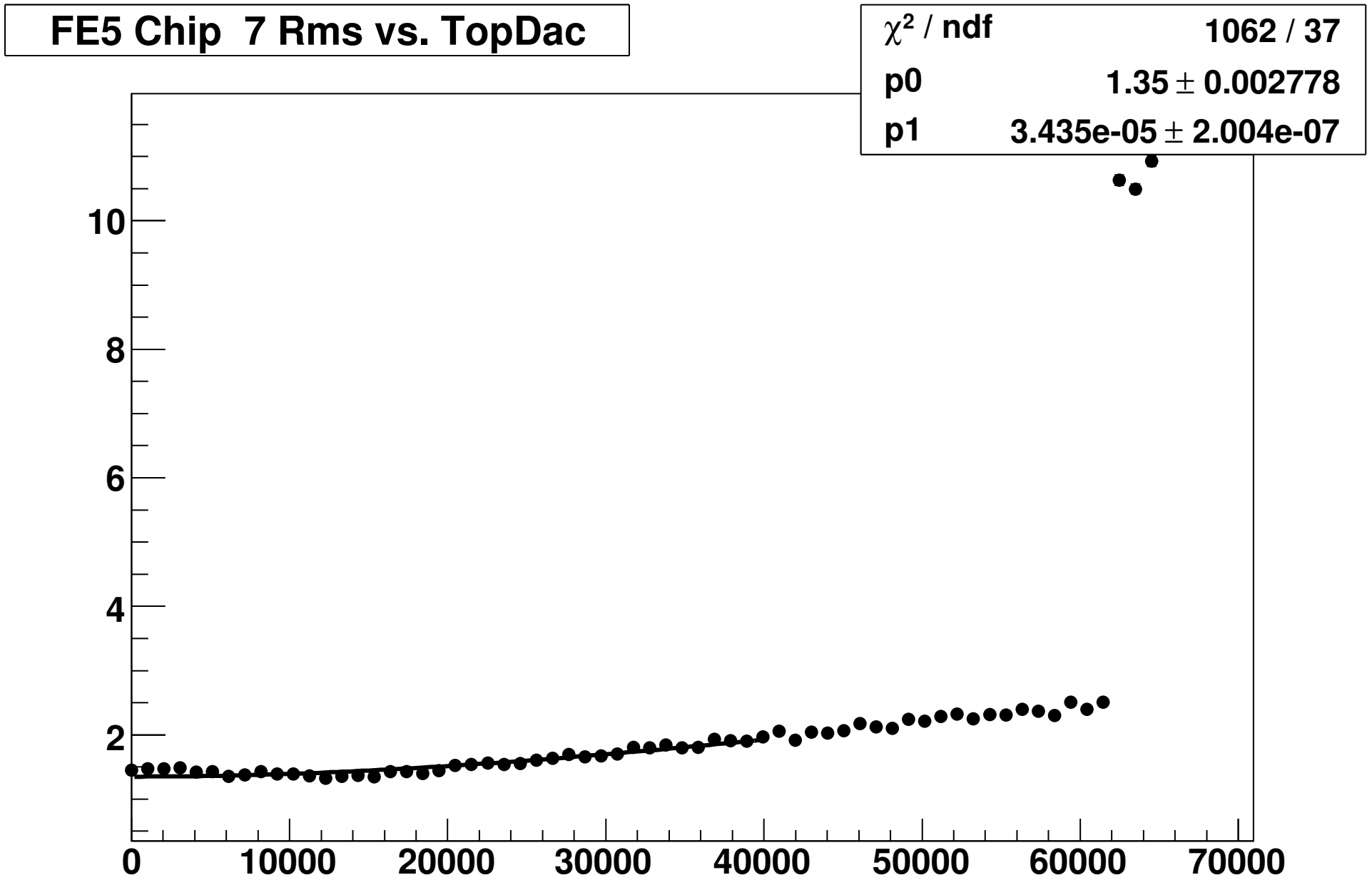
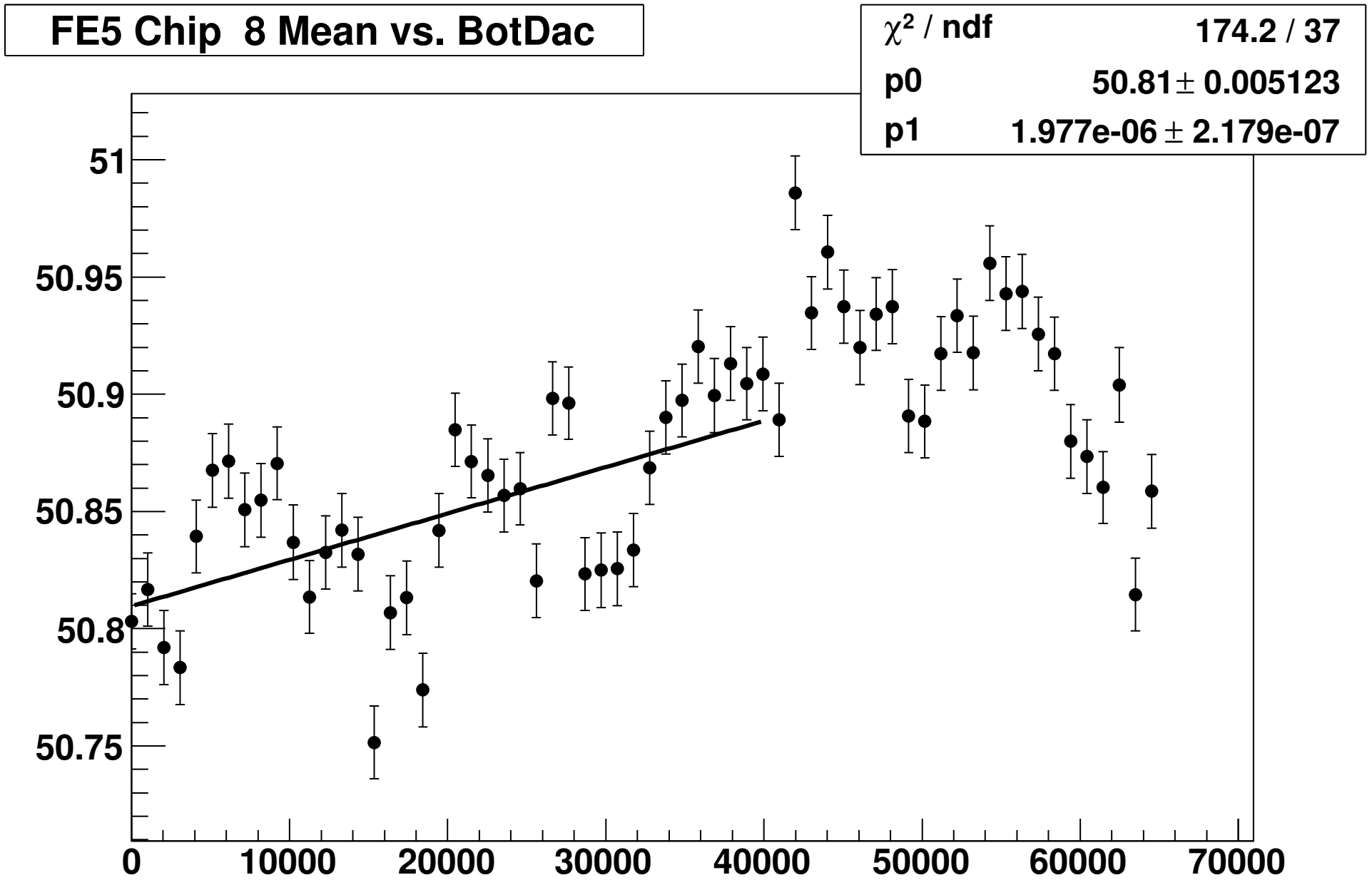
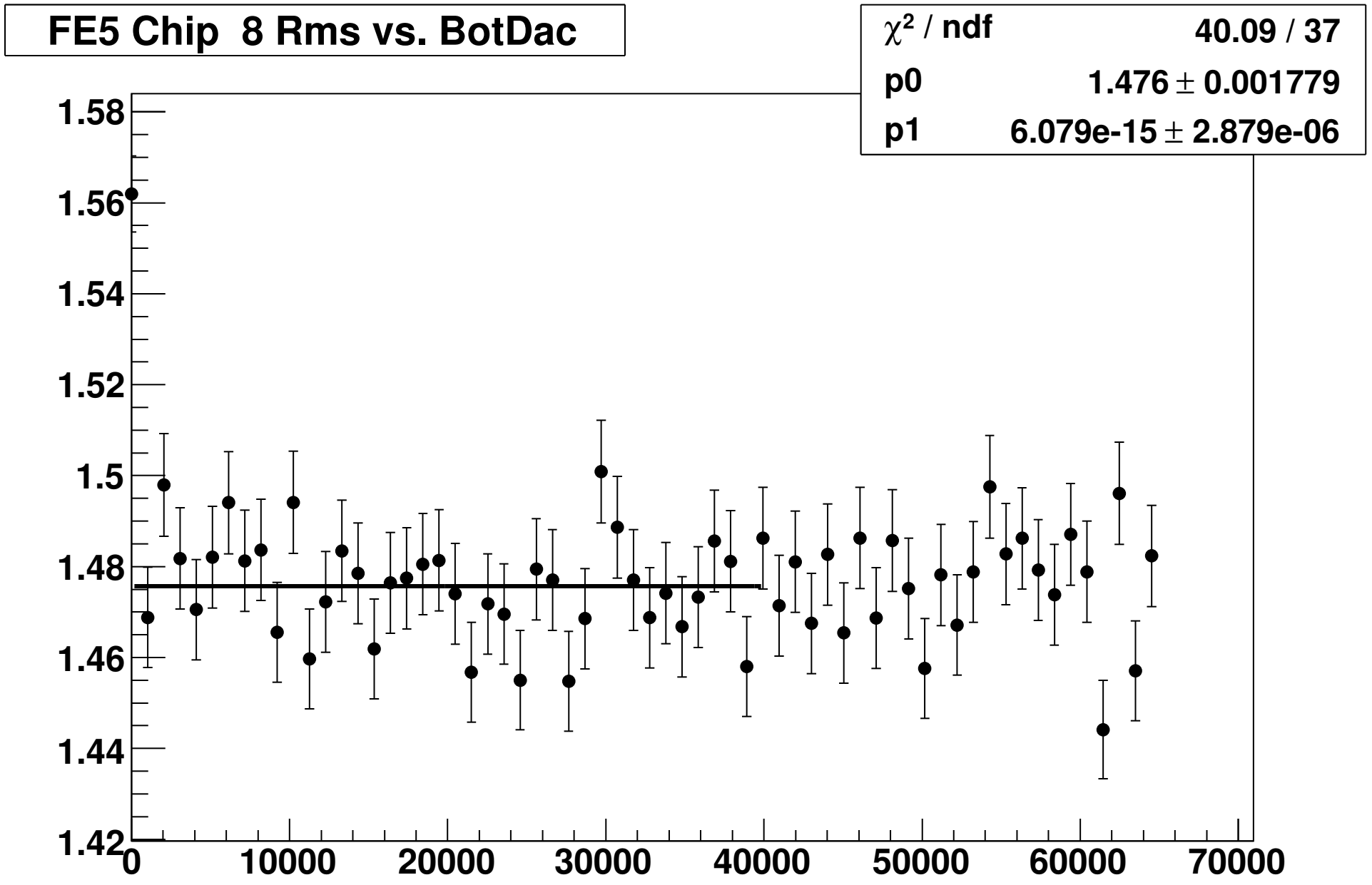
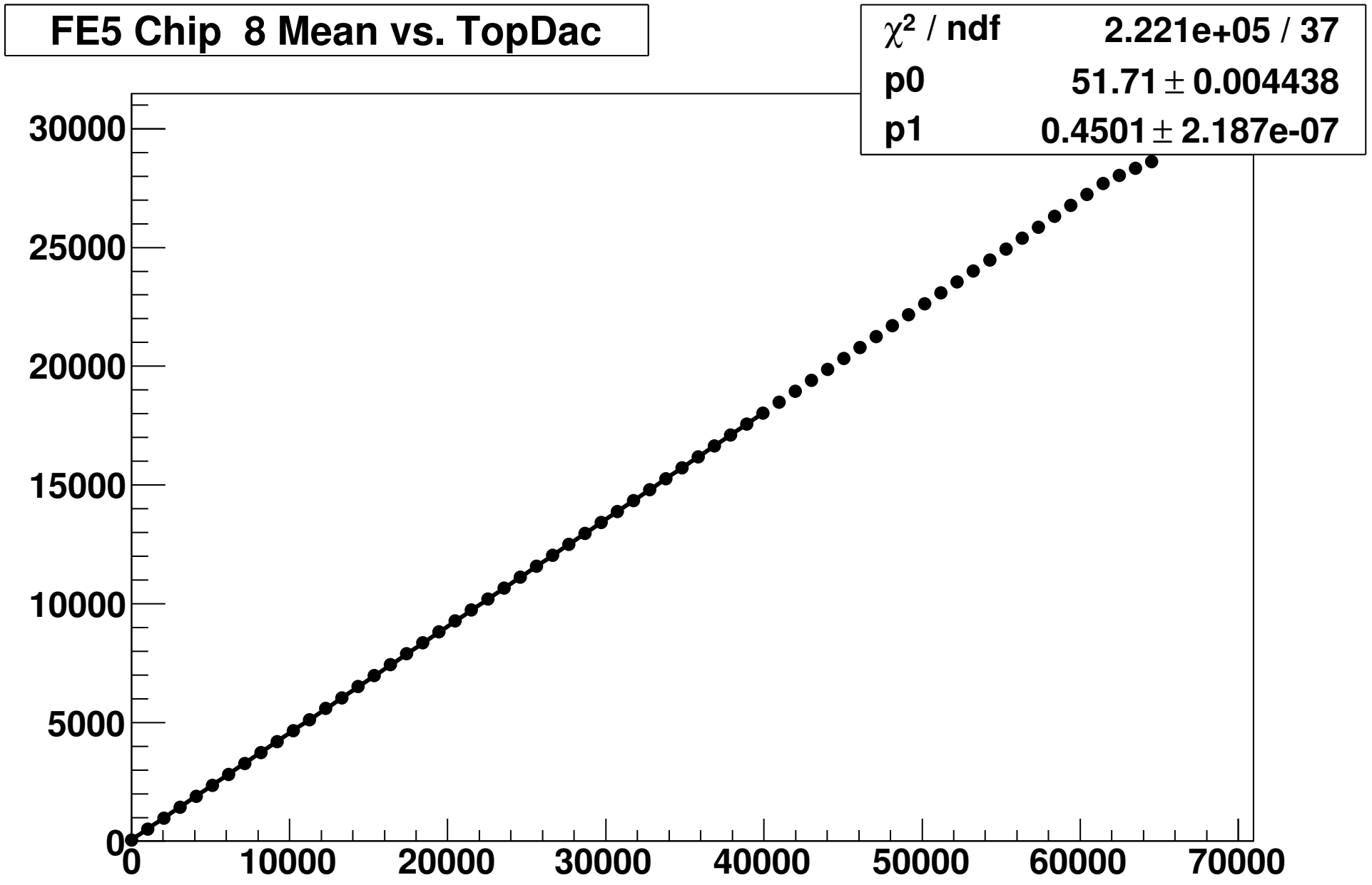
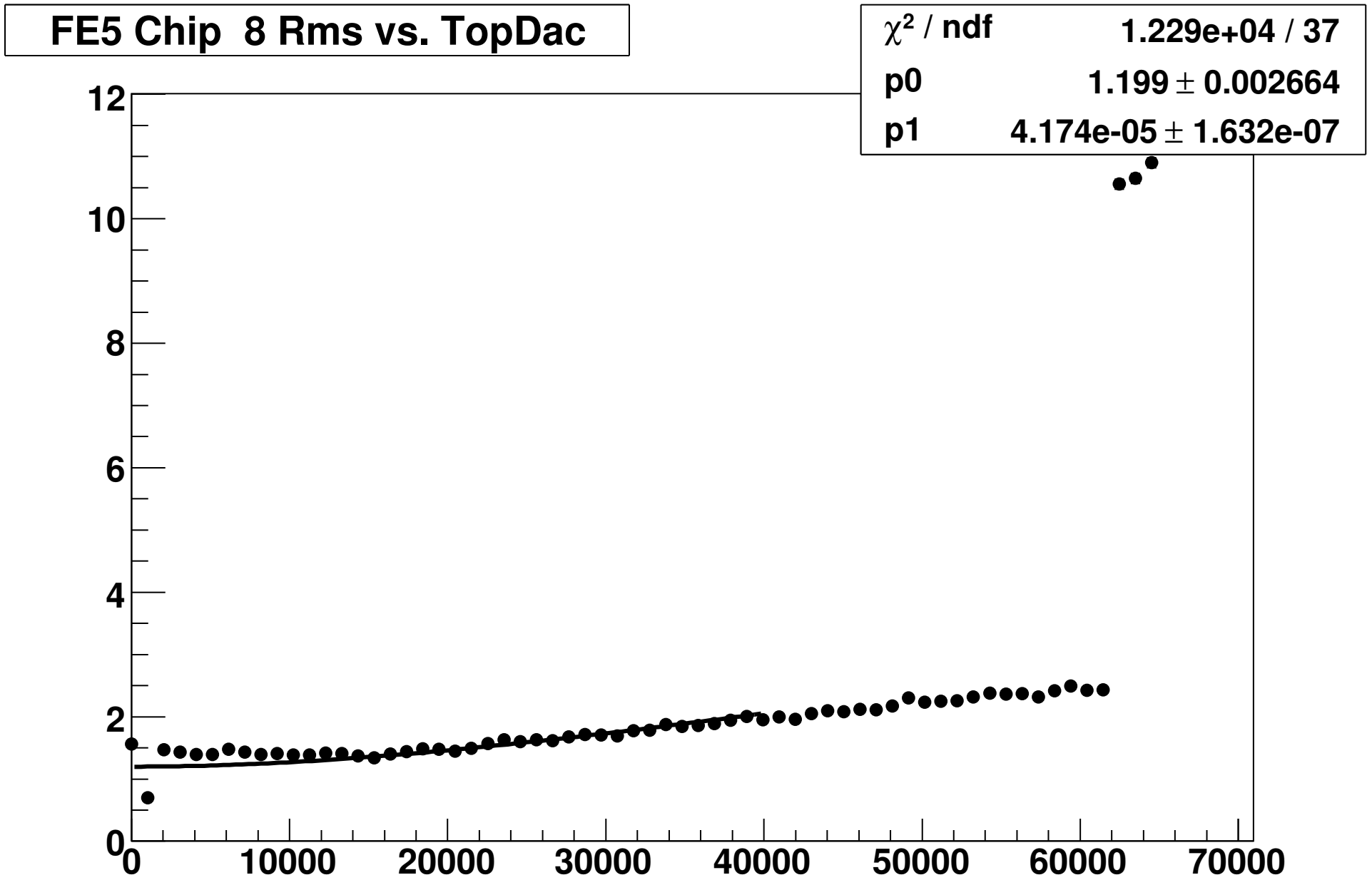
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

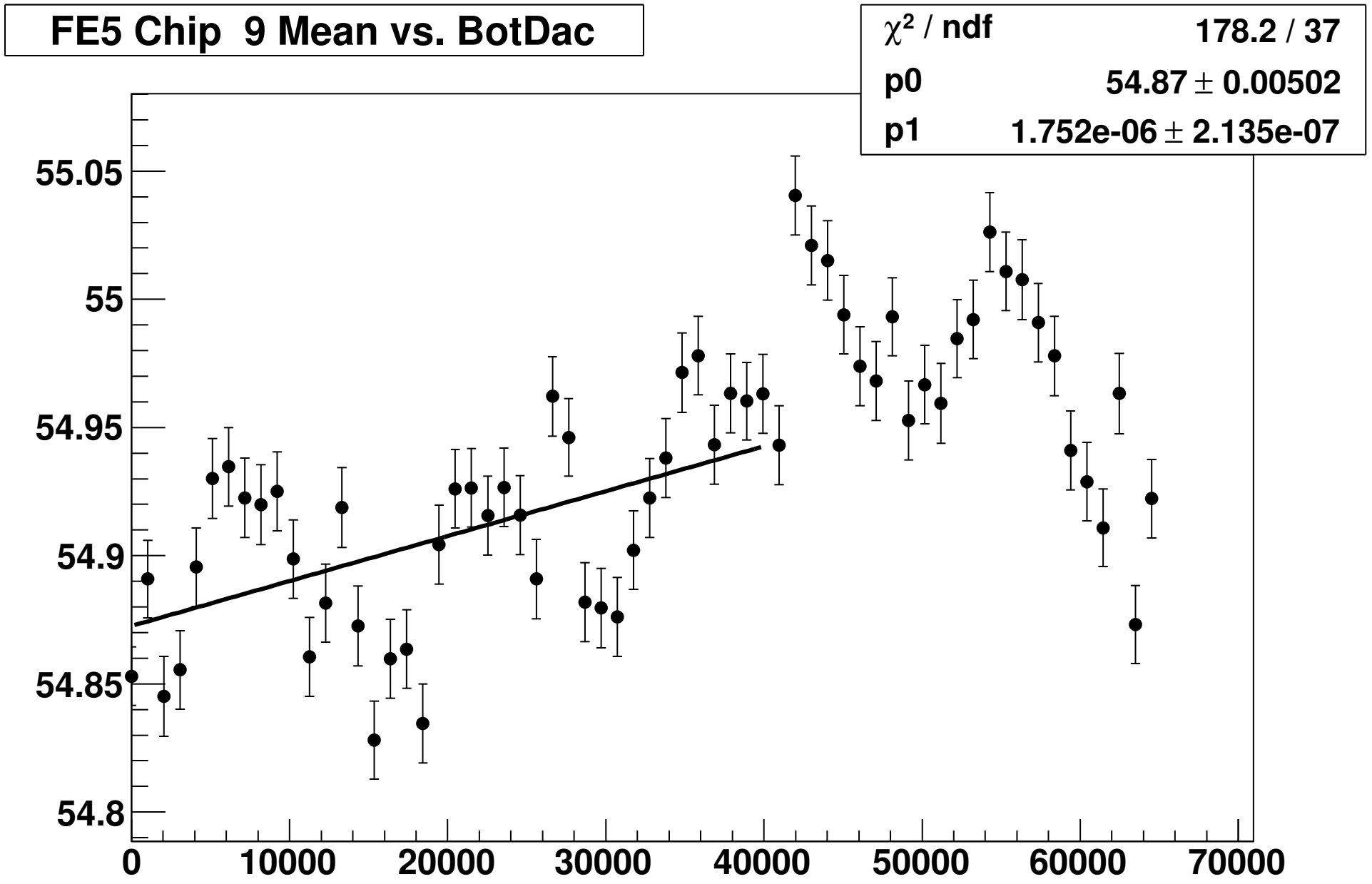

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1062 / 37
p0 1.35 ± 0.002778
p1 3.435e-05 ± 2.004e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

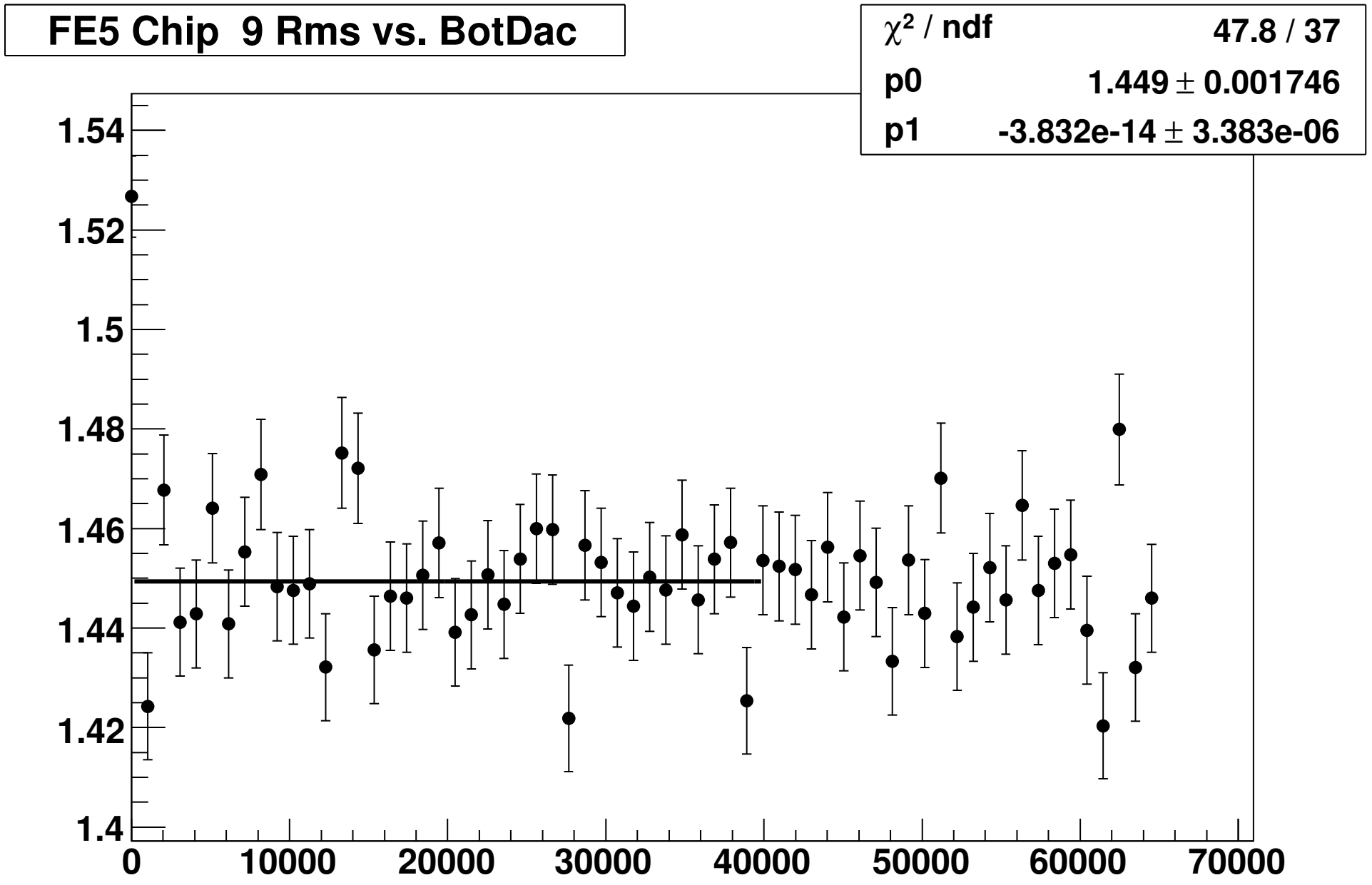

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 174.2 / 37
p0 50.81 ± 0.005123
p1 1.977e-06 ± 2.179e-07
51
50.95
50.9
50.85
50.8
50.75
0
10000
20000
30000
40000
50000
60000
70000

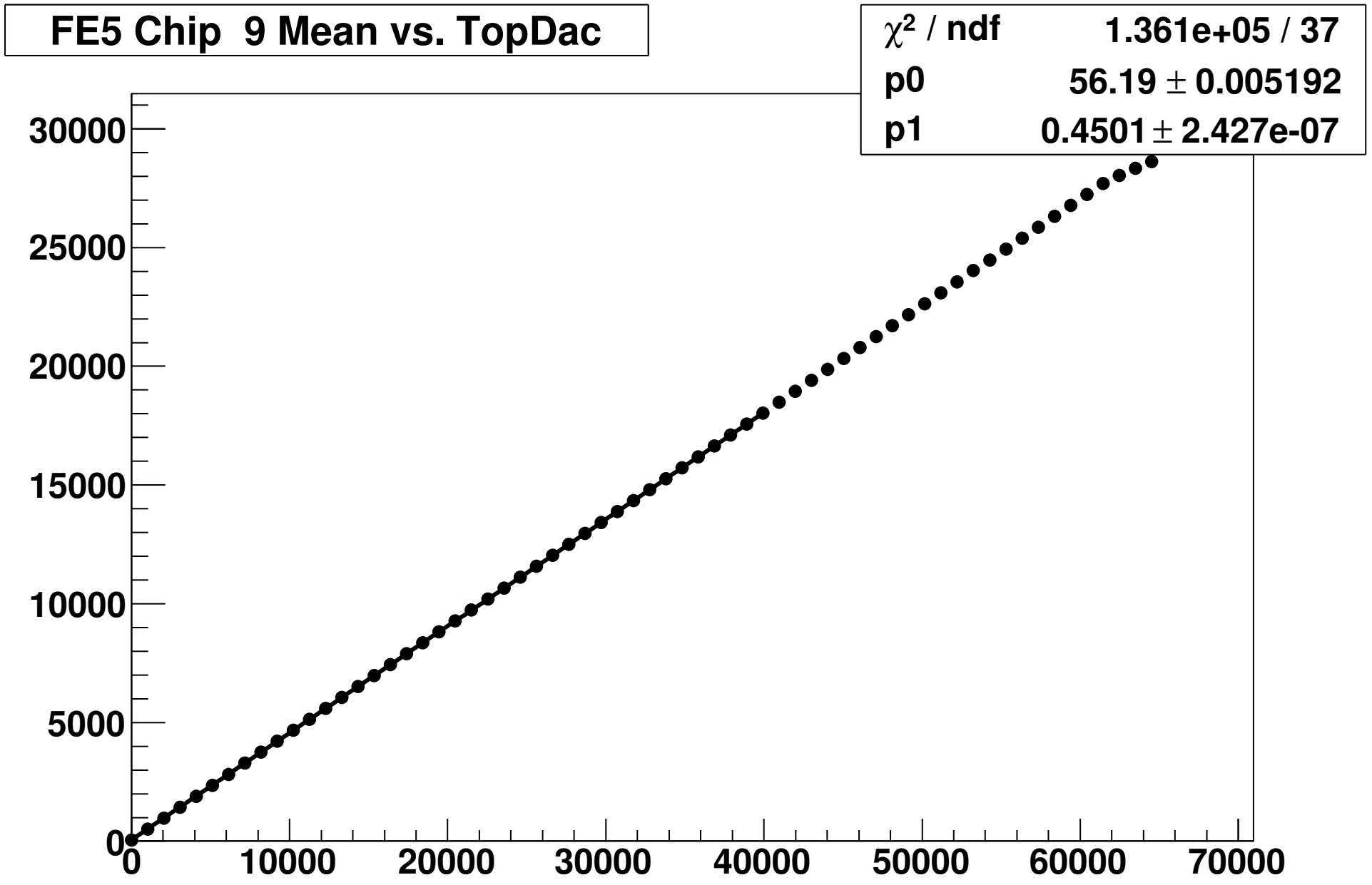

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 40.09 / 37
p0 1.476 ± 0.001779
p1 6.079e-15 ± 2.879e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

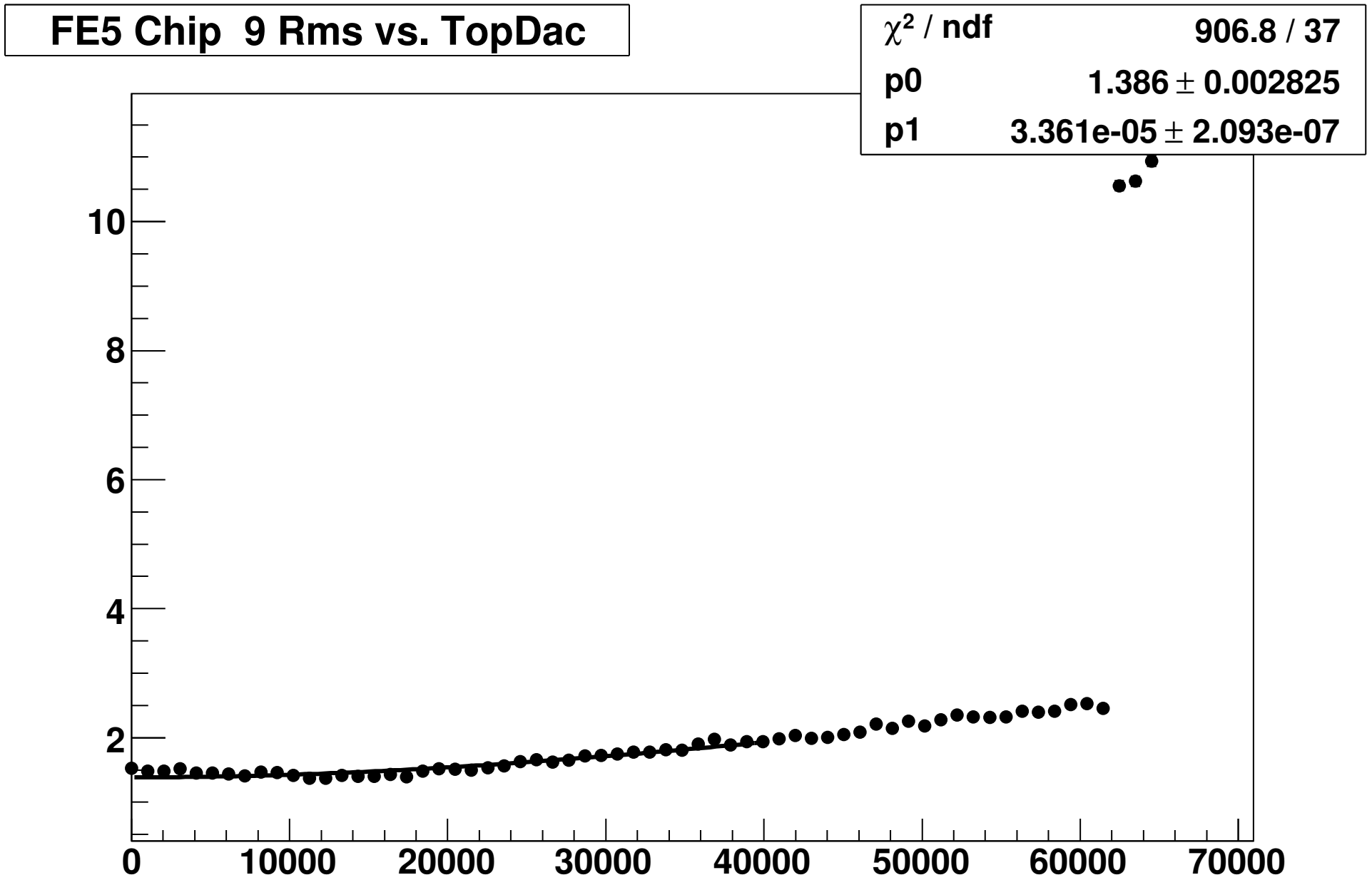

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 2.221e+05 / 37
p0 51.71 ± 0.004438
p1 0.4501 ± 2.187e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1.229e+04 / 37
p0 1.199 ± 0.002664
p1 4.174e-05 ± 1.632e-07
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 178.2 / 37
p0 54.87 ± 0.00502
p1 1.752e-06 ± 2.135e-07
55.05
55
54.95
54.9
54.85
54.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 47.8 / 37
p0 1.449 ± 0.001746
p1 -3.832e-14 ± 3.383e-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


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.361e+05 / 37
p0 56.19 ± 0.005192
p1 0.4501 ± 2.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 906.8 / 37
p0 1.386 ± 0.002825
p1 3.361e-05 ± 2.093e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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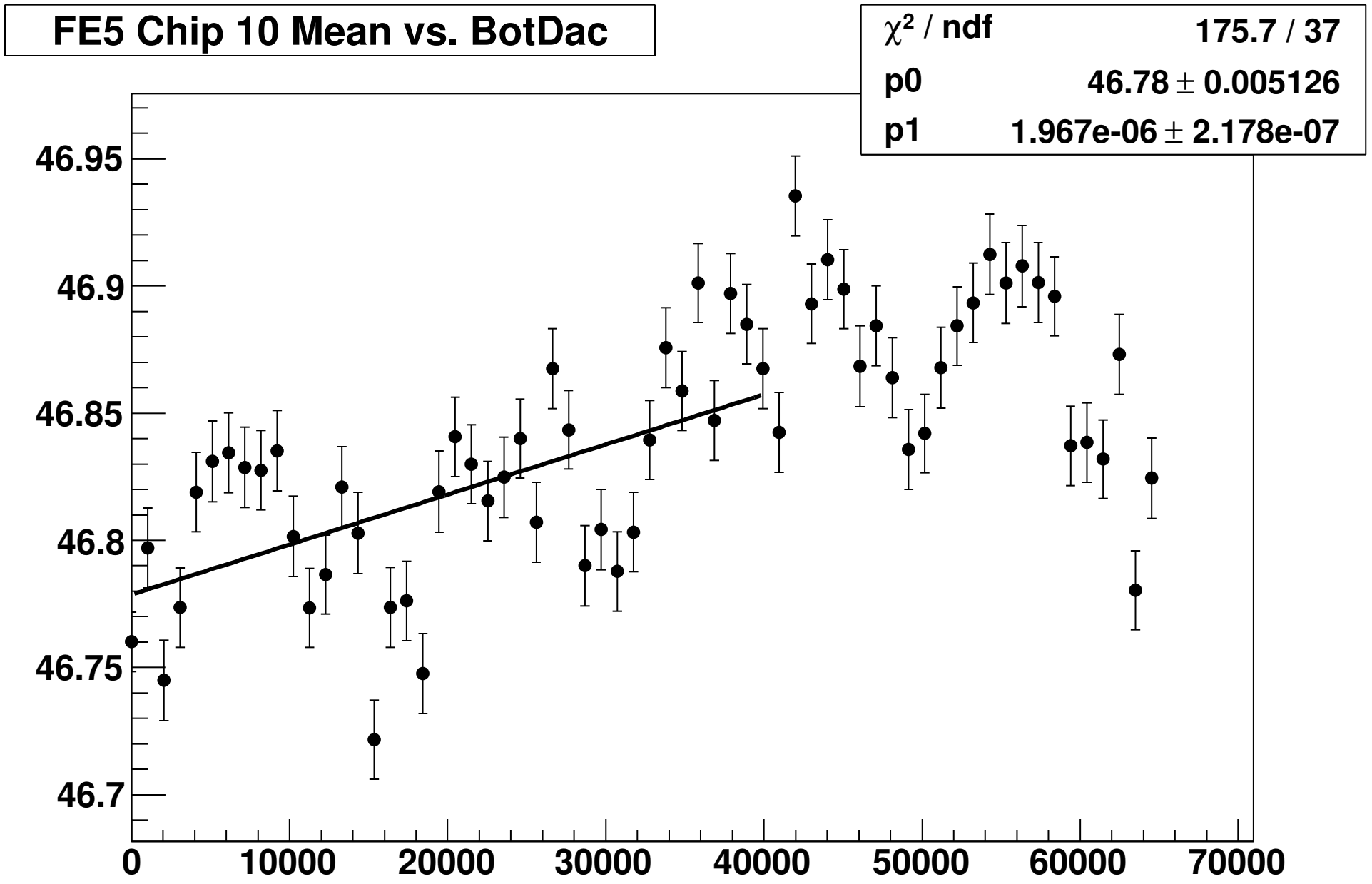
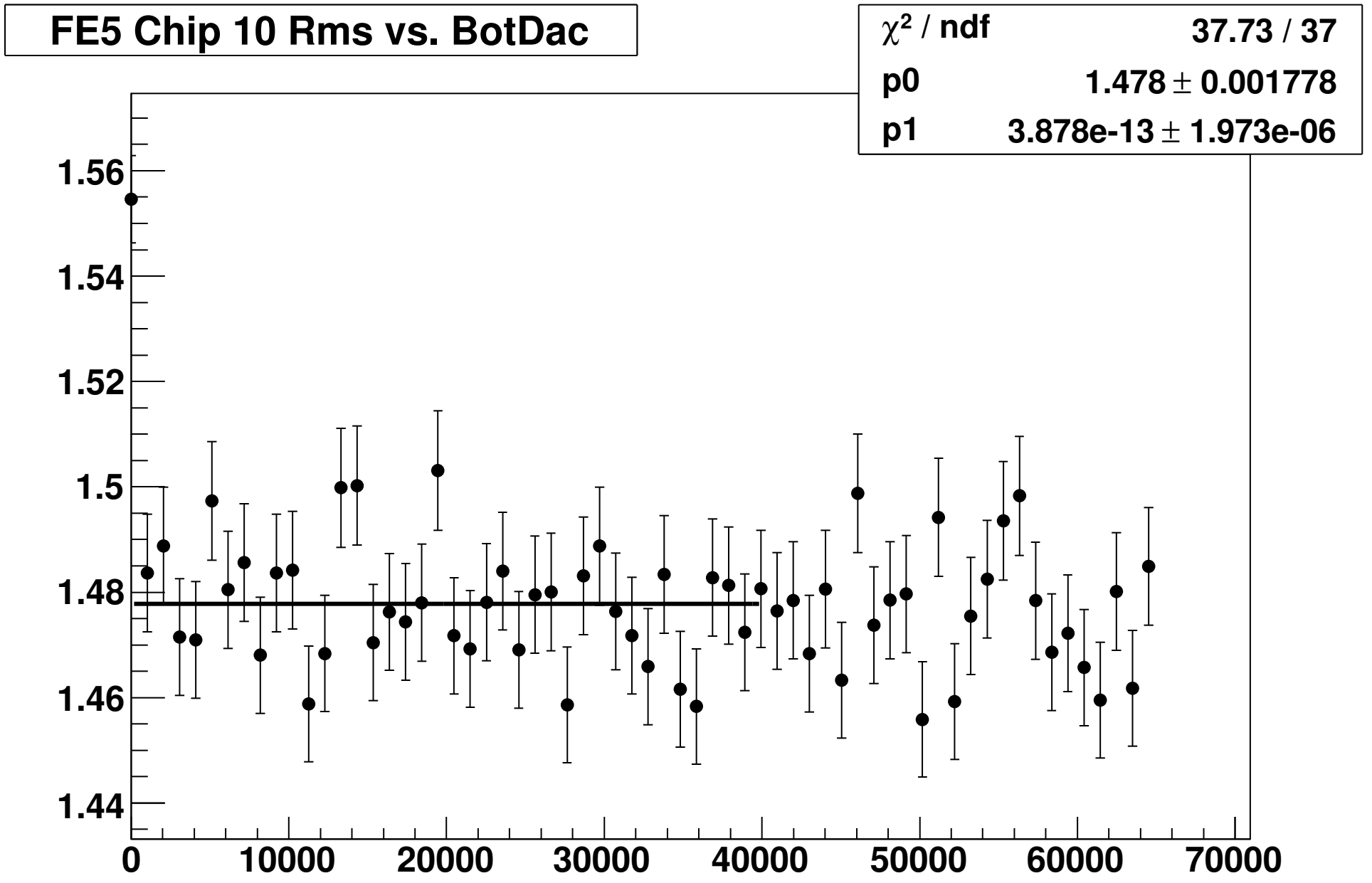
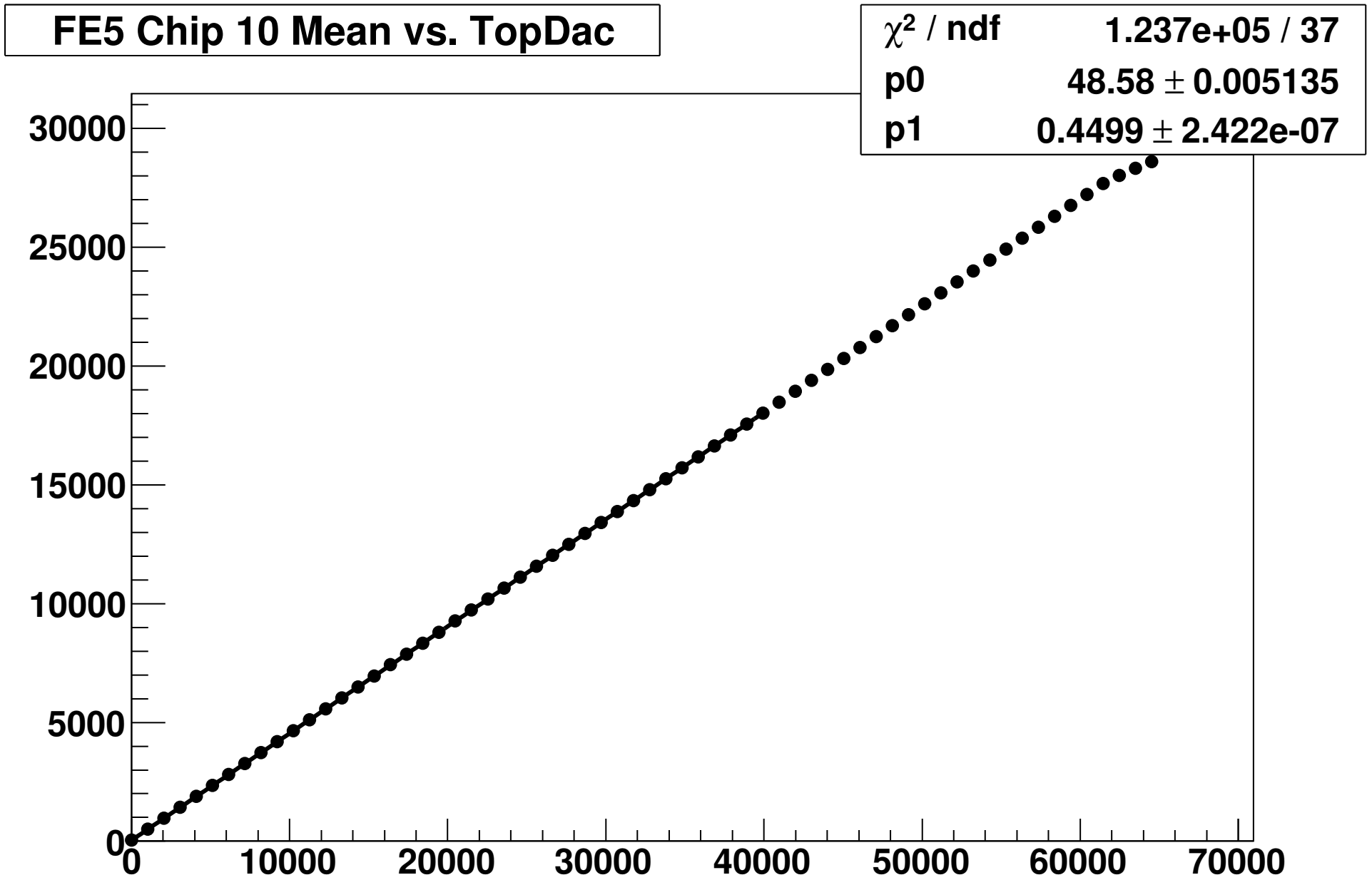

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 175.7 / 37
p0 46.78 ± 0.005126
p1 1.967e-06 ± 2.178e-07
46.95
46.9
46.85
46.8
46.75
46.7
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 37.73 / 37
p0 1.478 ± 0.001778
p1 3.878e-13 ± 1.973e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.237e+05 / 37
p0 48.58 ± 0.005135
p1 0.4499 ± 2.422e-07
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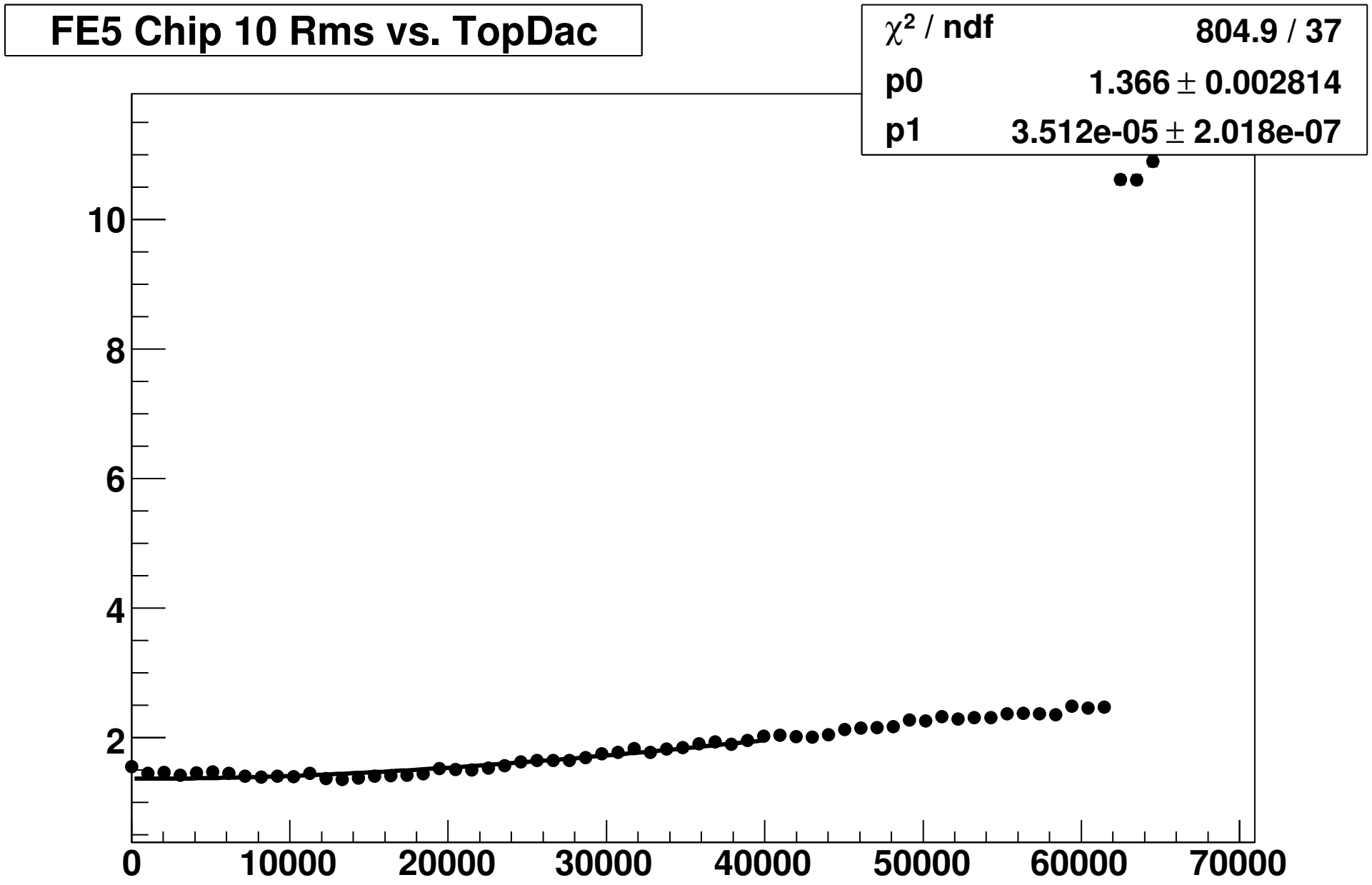
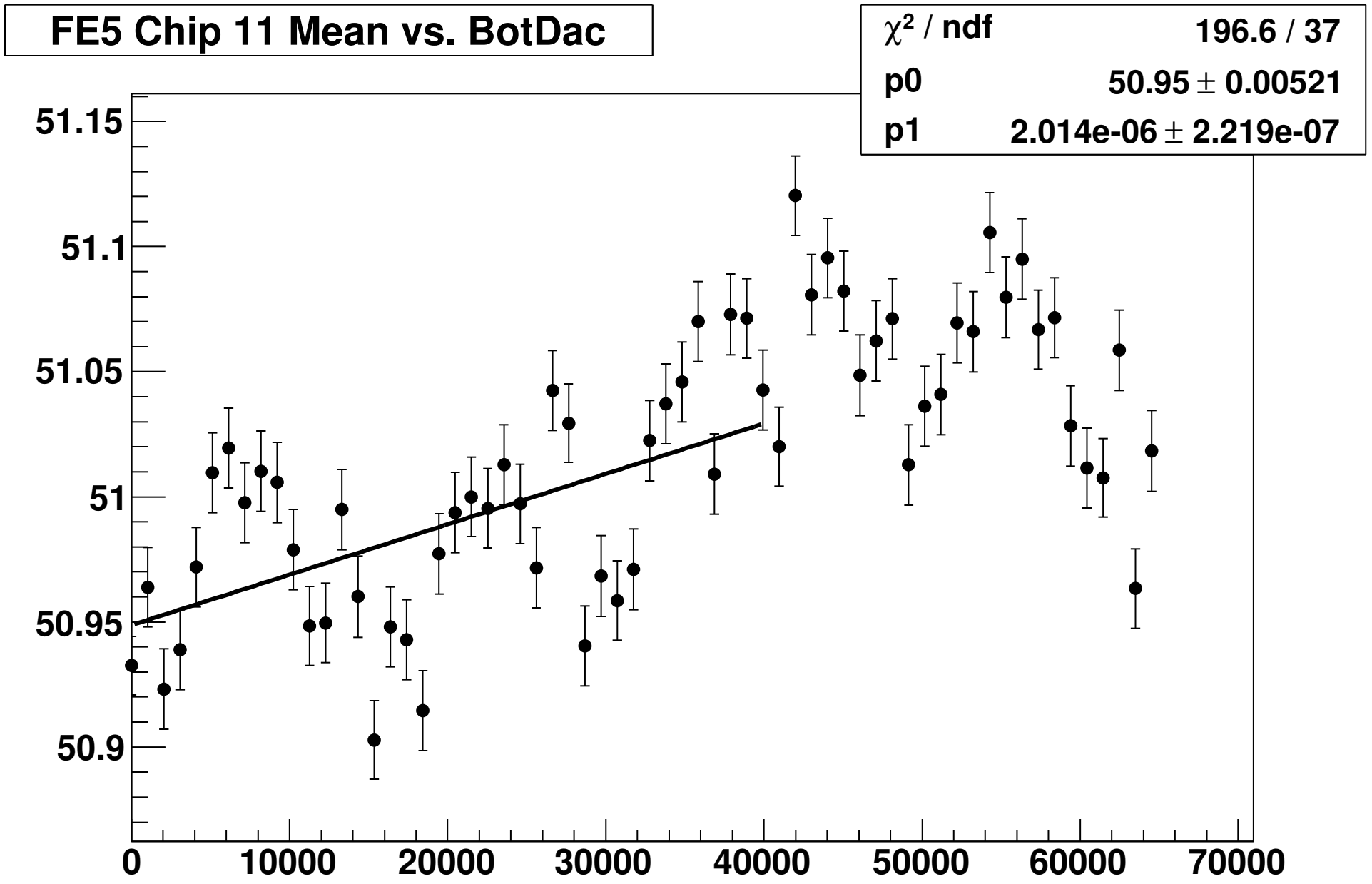
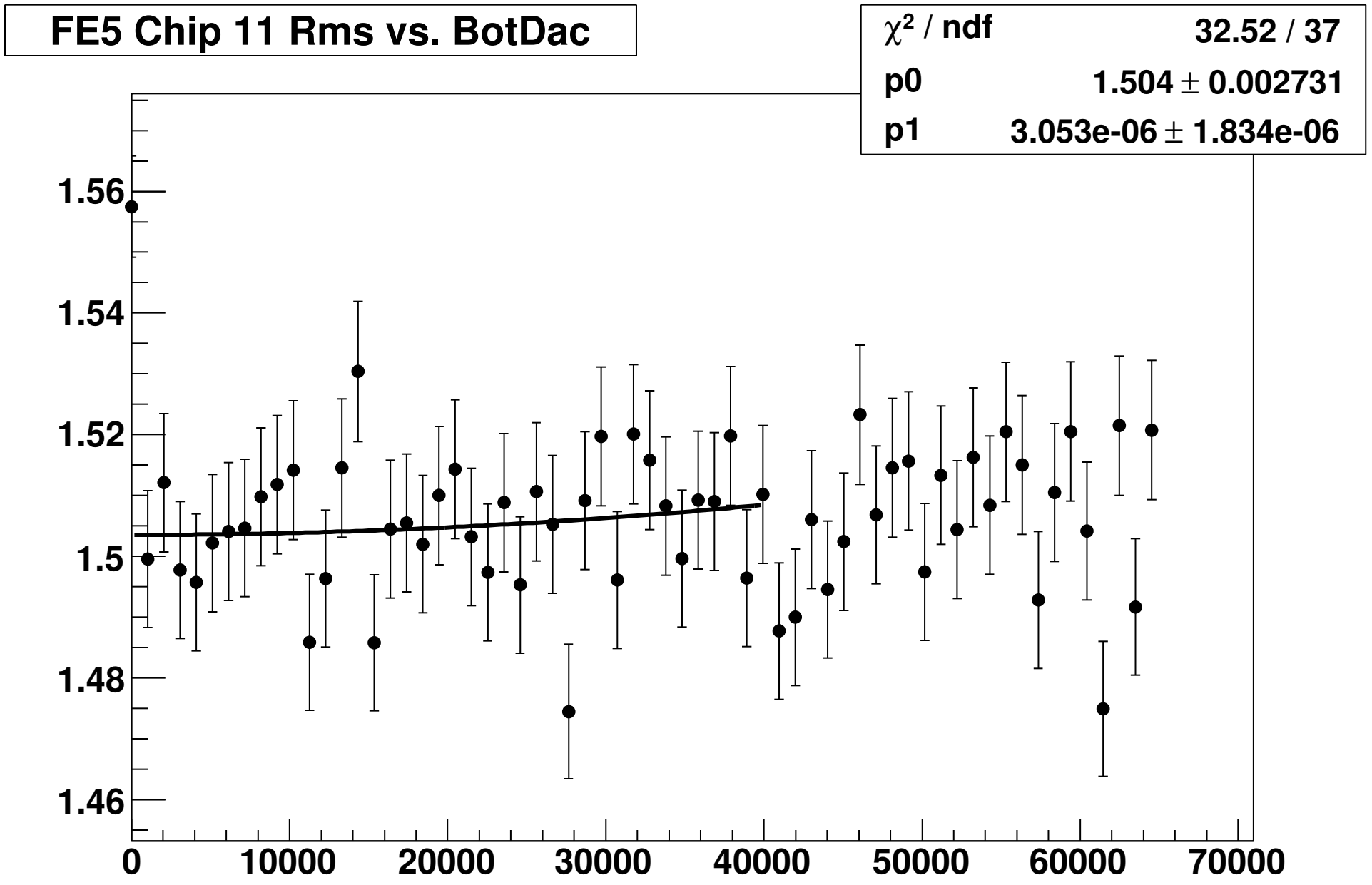
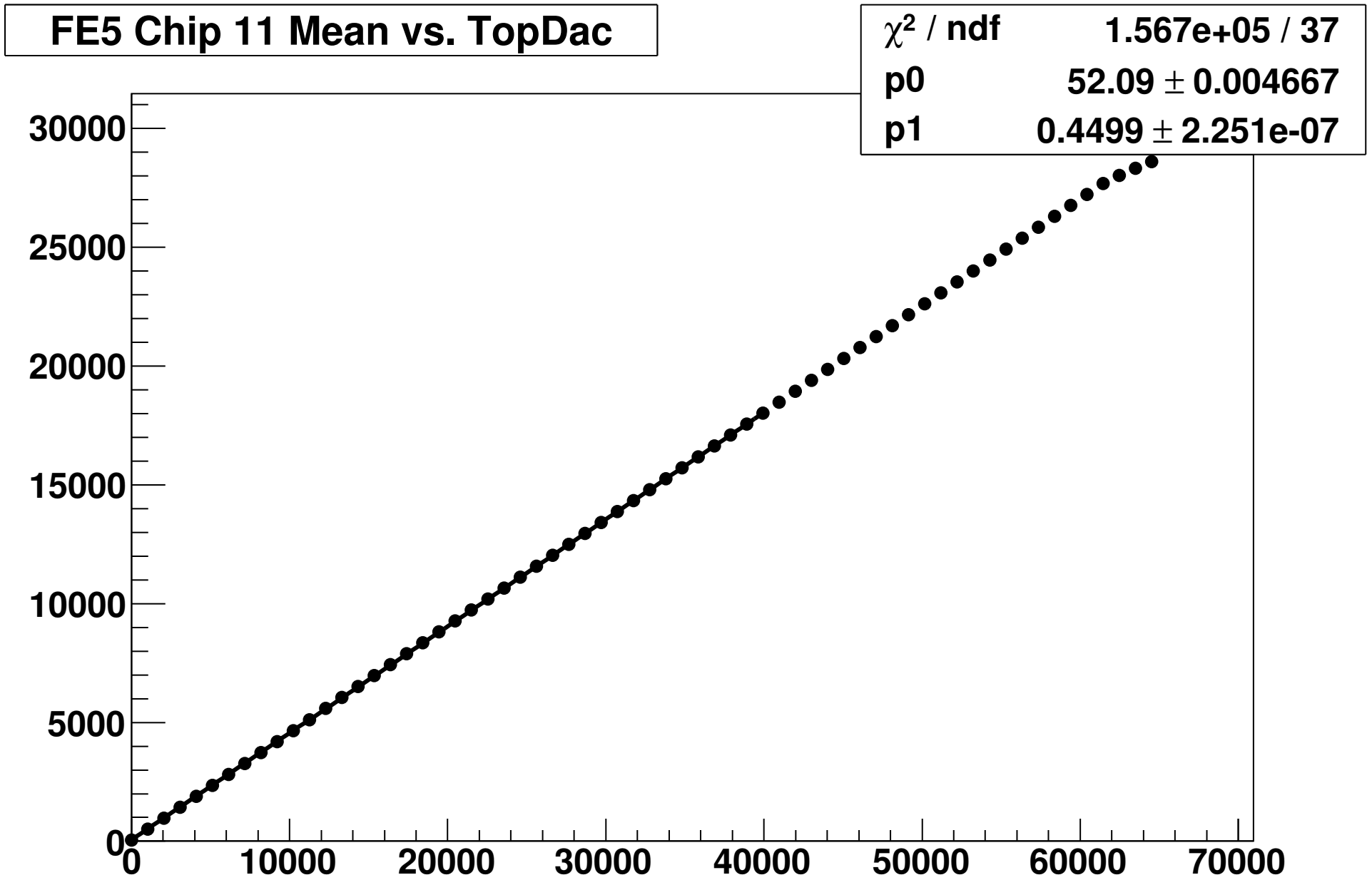
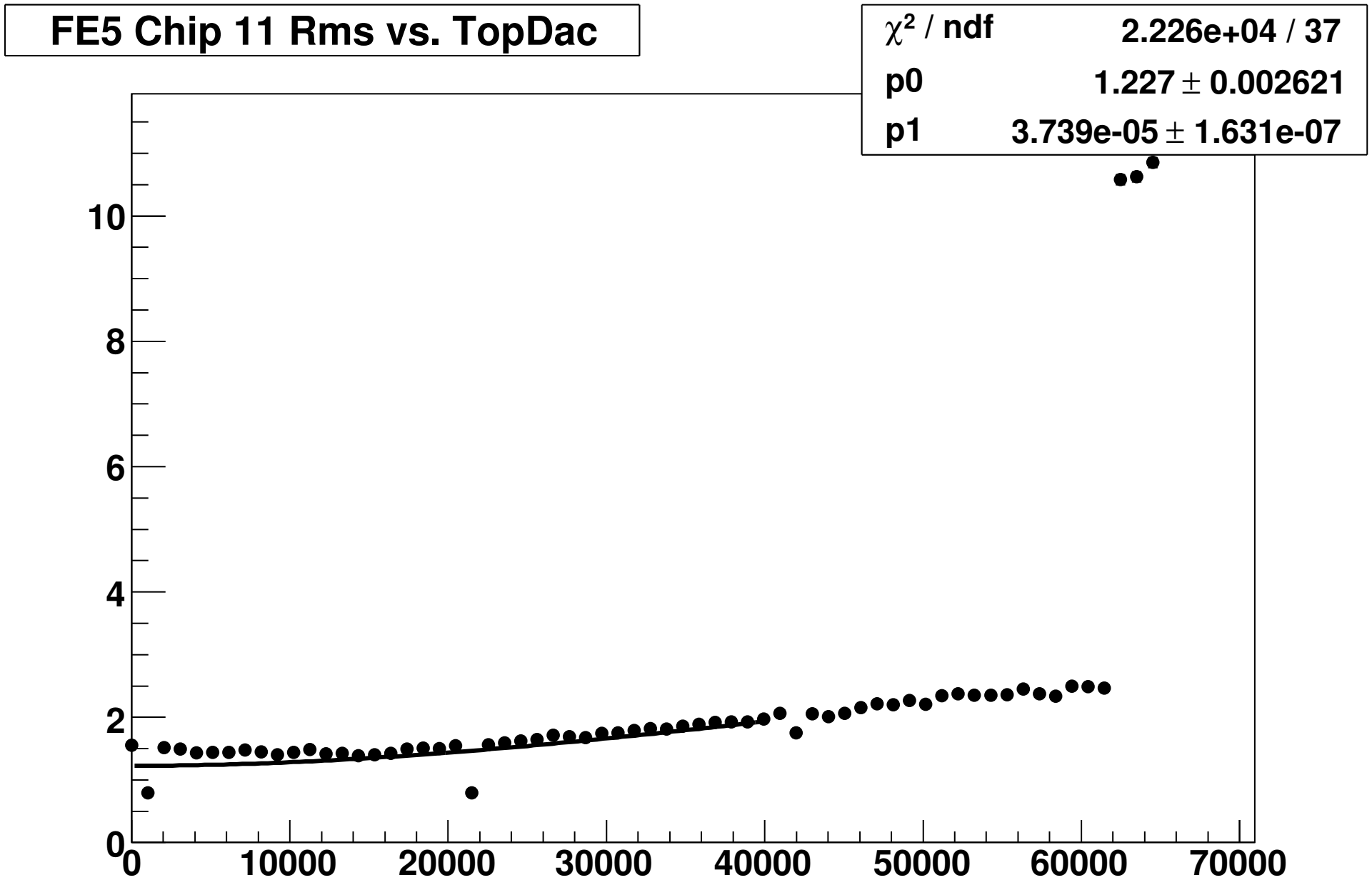
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

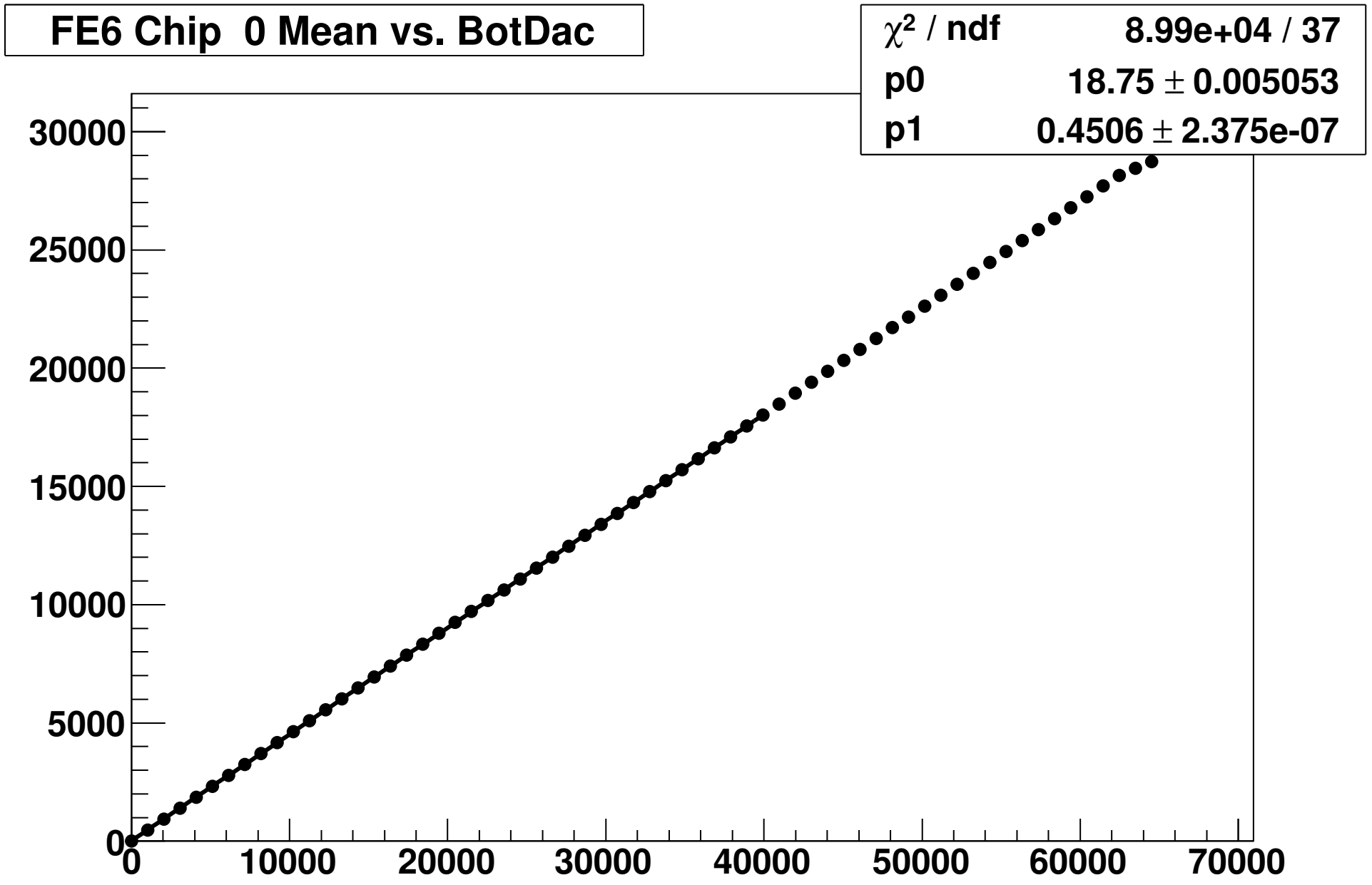

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 804.9 / 37
p0 1.366 ± 0.002814
p1 3.512e-05 ± 2.018e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

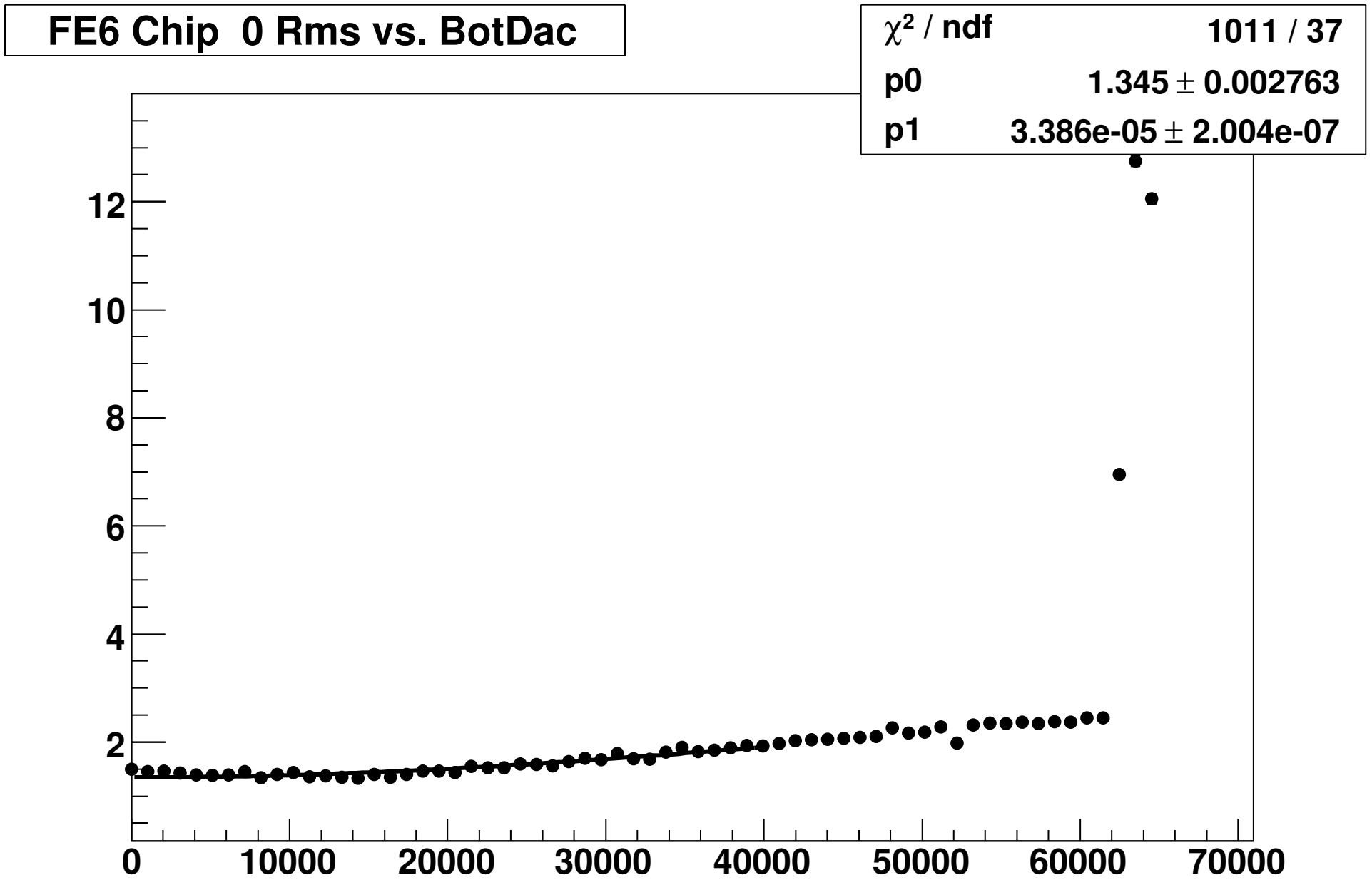

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 196.6 / 37
p0 50.95 ± 0.00521
p1 2.014e-06 ± 2.219e-07
51.15
51.1
51.05
51
50.95
50.9
0
10000
20000
30000
40000
50000
60000
70000

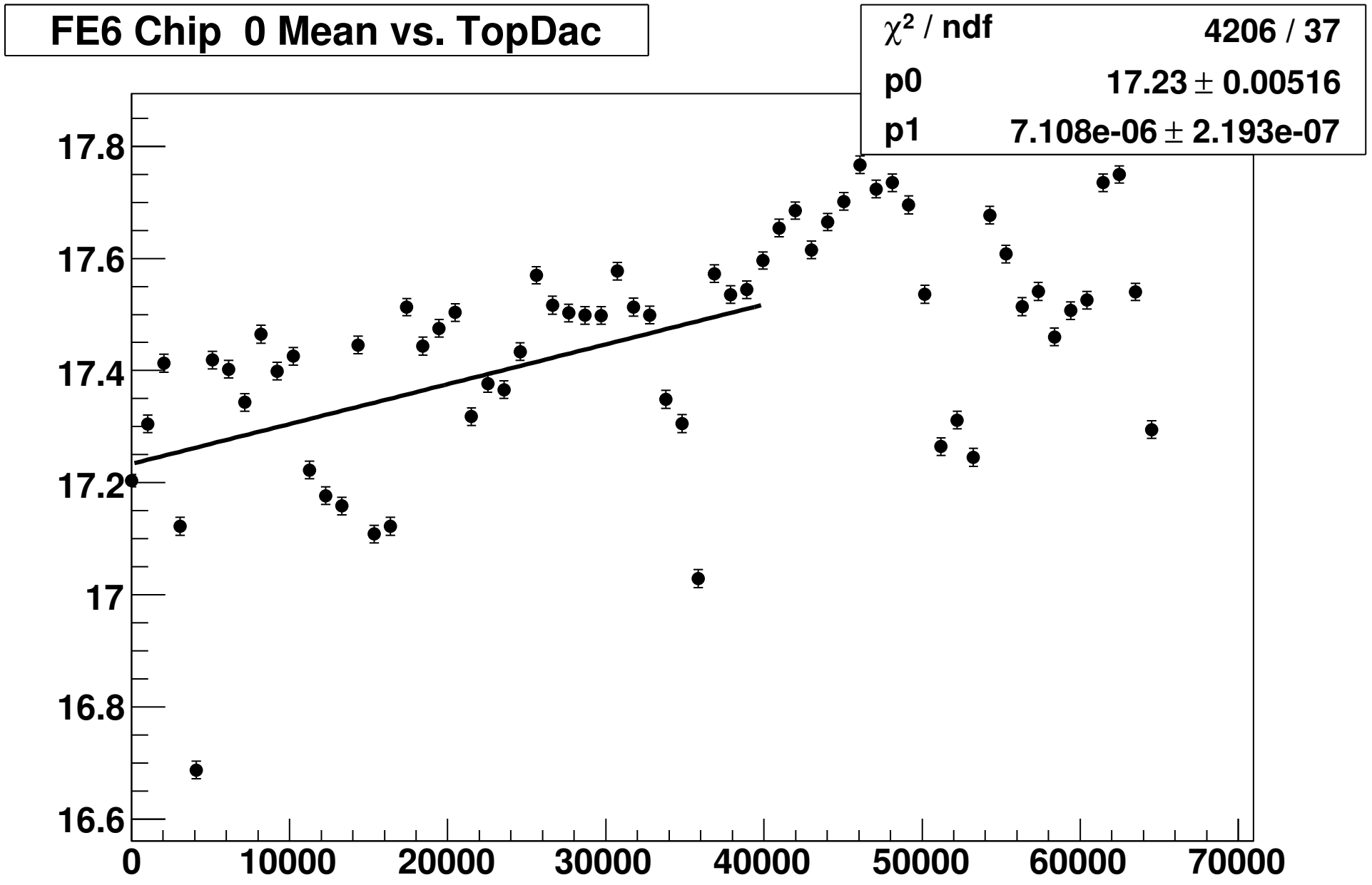

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 32.52 / 37
p0 1.504 ± 0.002731
p1 3.053e-06 ± 1.834e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.567e+05 / 37
p0 52.09 ± 0.004667
p1 0.4499 ± 2.251e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 2.226e+04 / 37
p0 1.227 ± 0.002621
p1 3.739e-05 ± 1.631e-07
0
2
4
6
8
10
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 8.99e+04 / 37
p0 18.75 ± 0.005053
p1 0.4506 ± 2.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 1011 / 37
p0 1.345 ± 0.002763
p1 3.386e-05 ± 2.004e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 4206 / 37
p0 17.23 ± 0.00516
p1 7.108e-06 ± 2.193e-07
17.8
17.6
17.4
17.2
17
16.8
16.6
0
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20000
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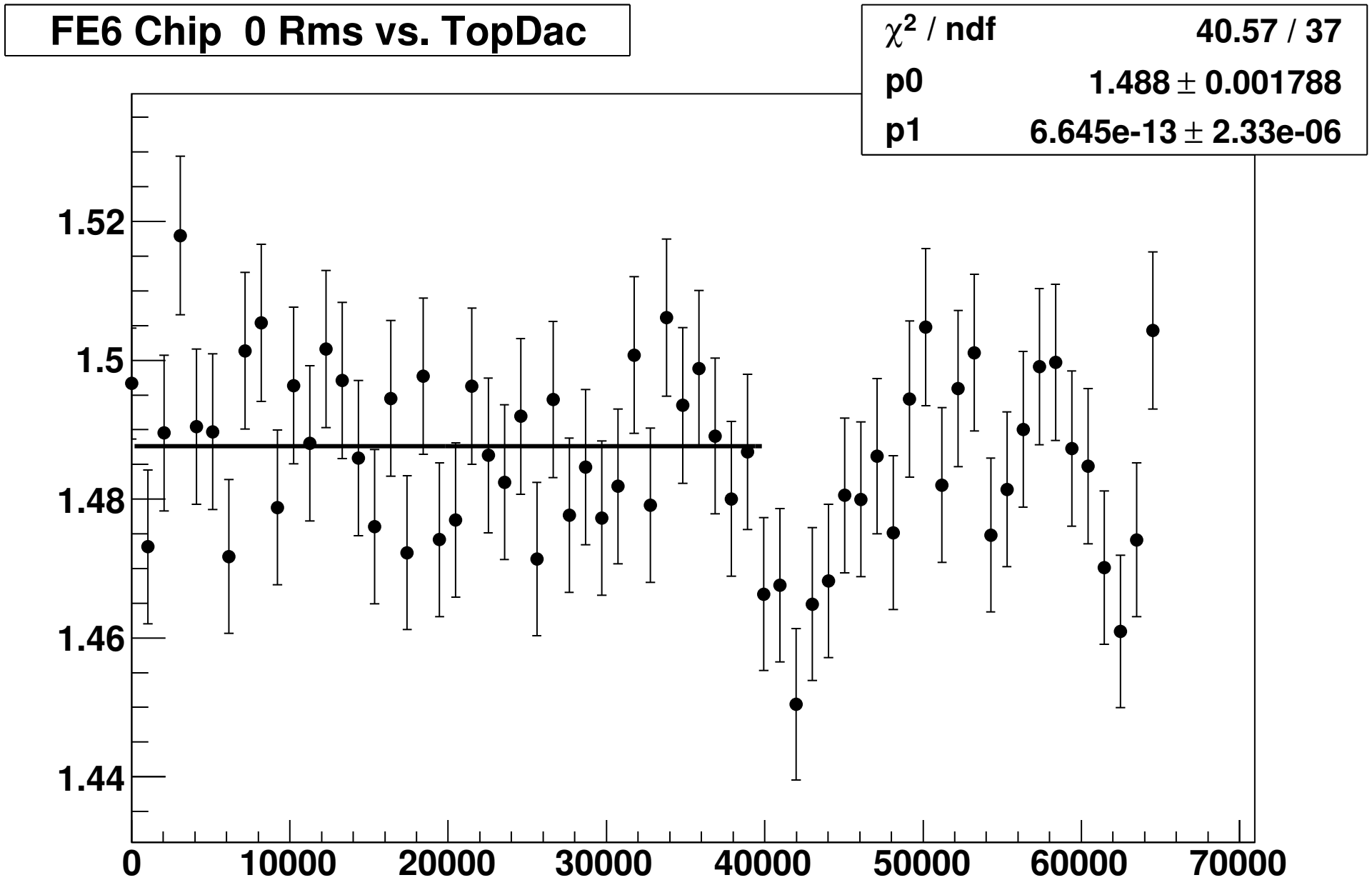
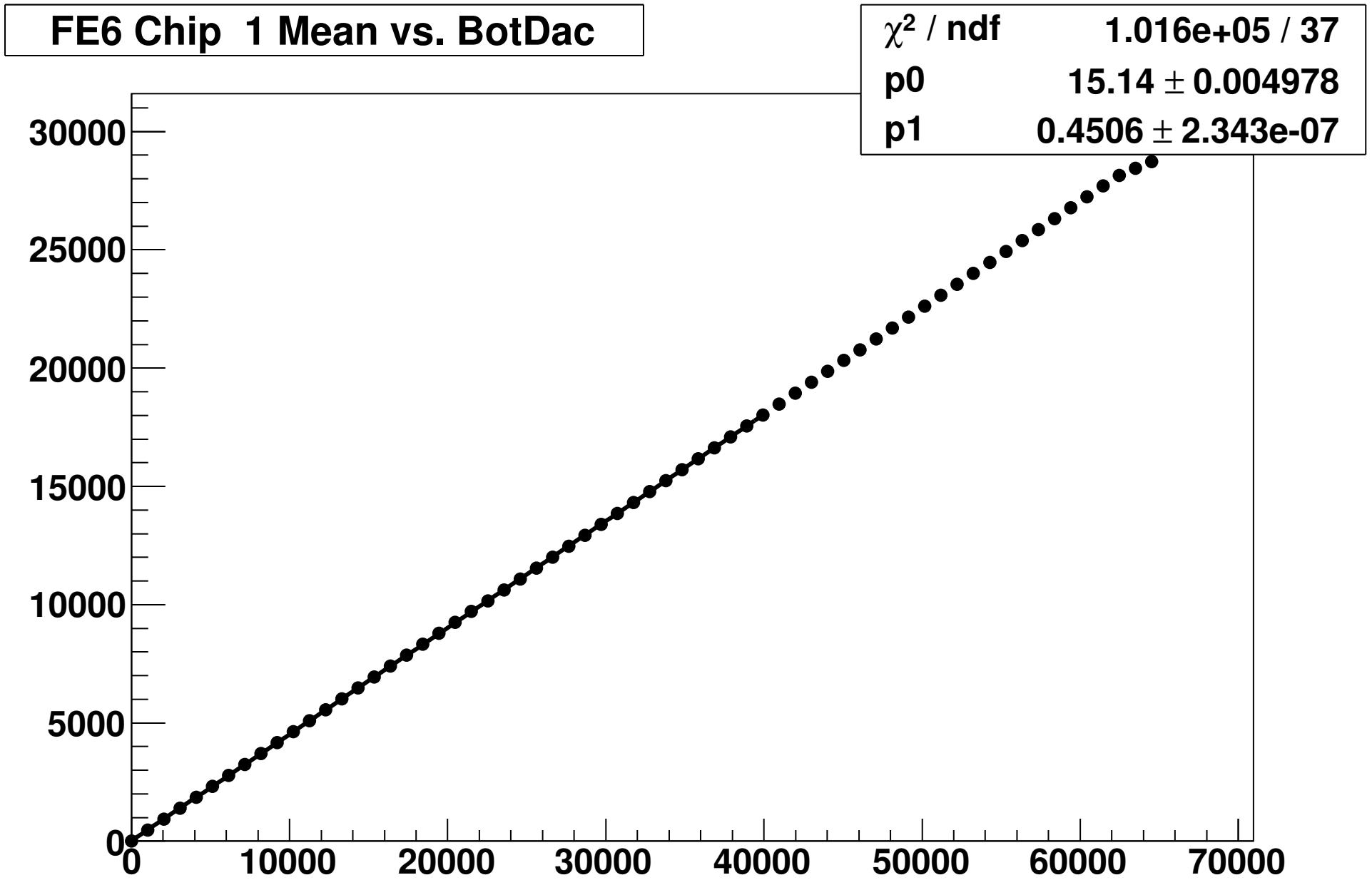
40000
50000
60000
70000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 40.57 / 37
p0 1.488 ± 0.001788
p1 6.645e-13 ± 2.33e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.016e+05 / 37
p0 15.14 ± 0.004978
p1 0.4506 ± 2.343e-07
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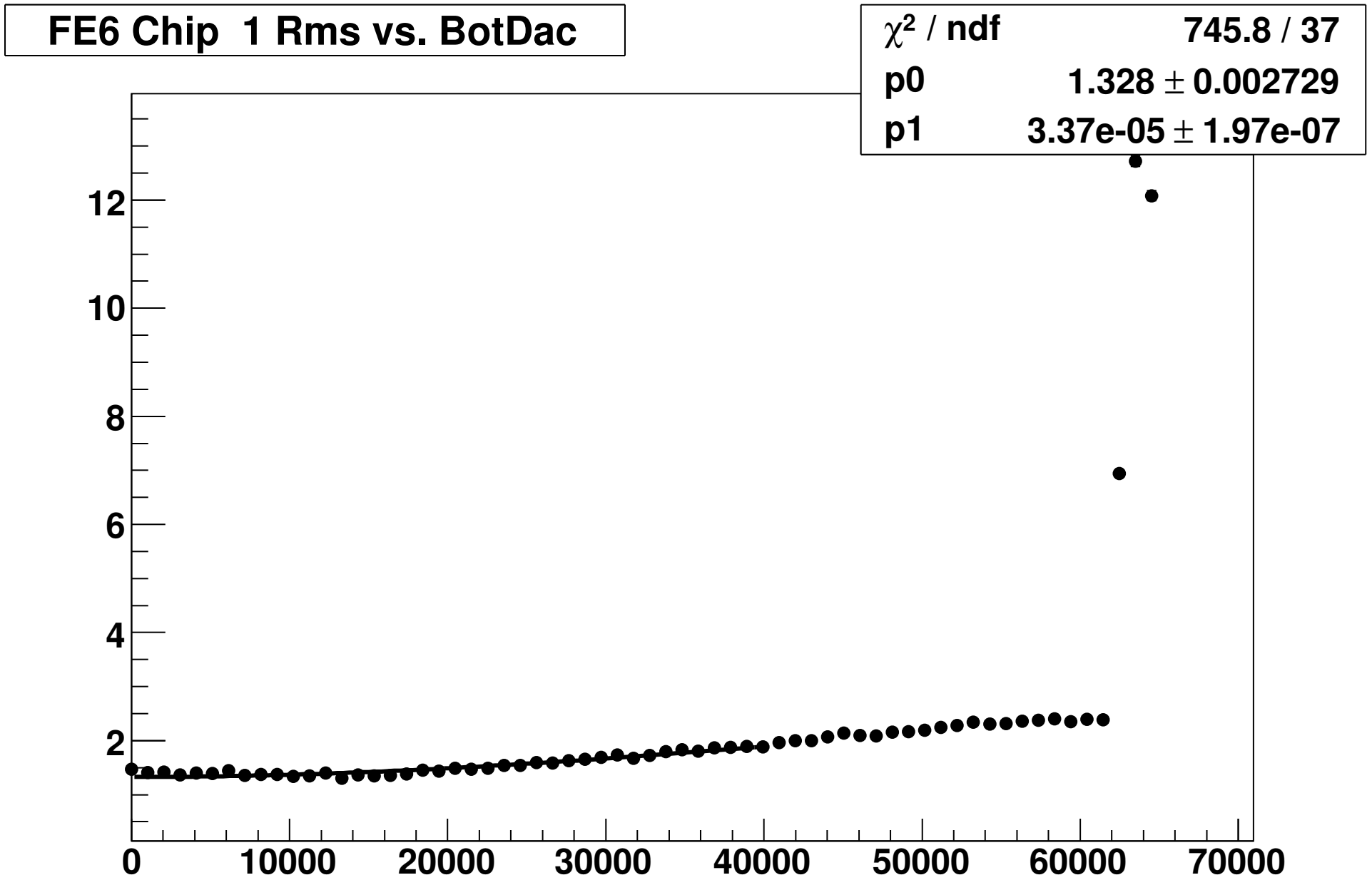
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 745.8 / 37
p0 1.328 ± 0.002729
p1 3.37e-05 ± 1.97e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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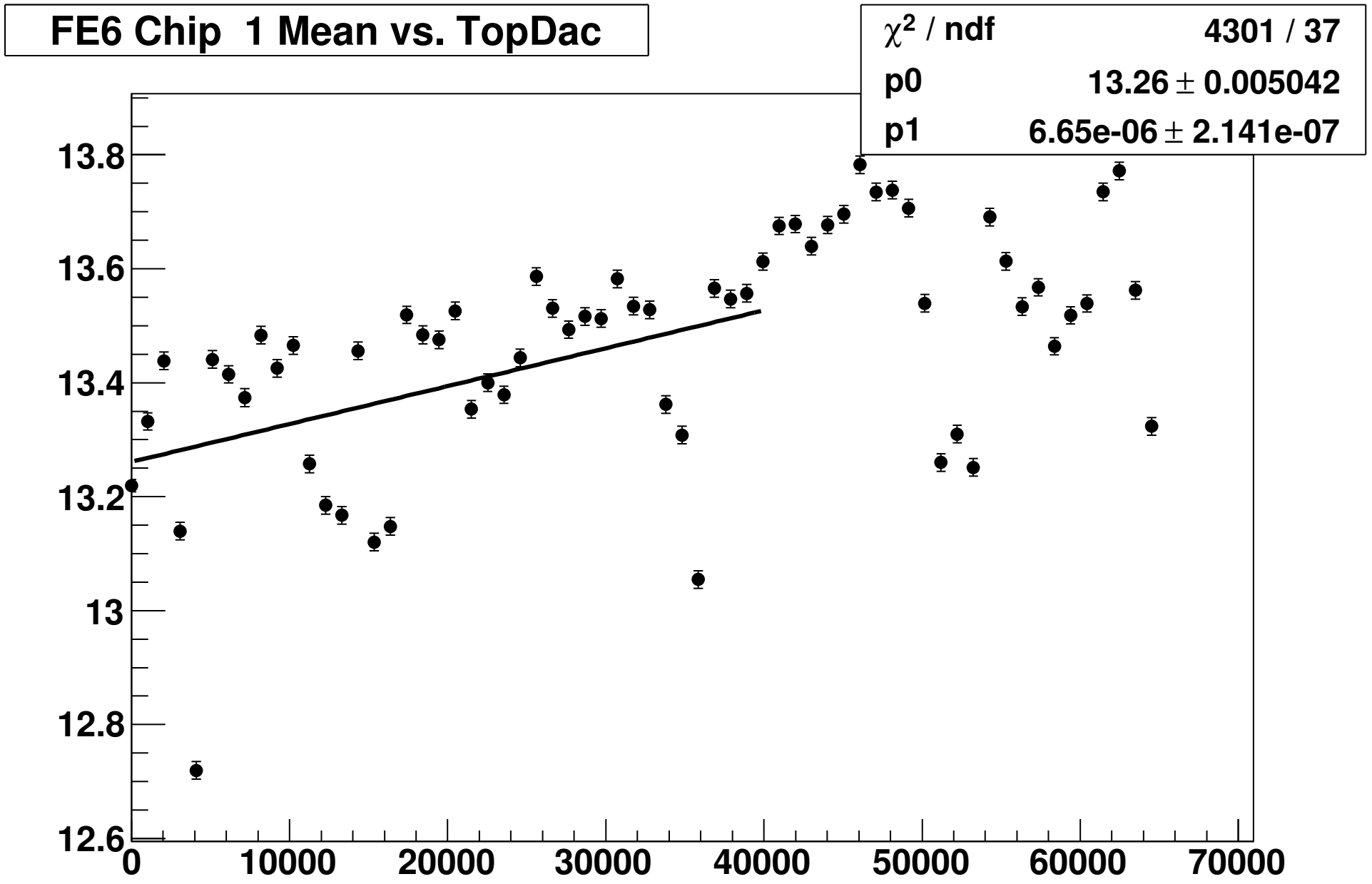
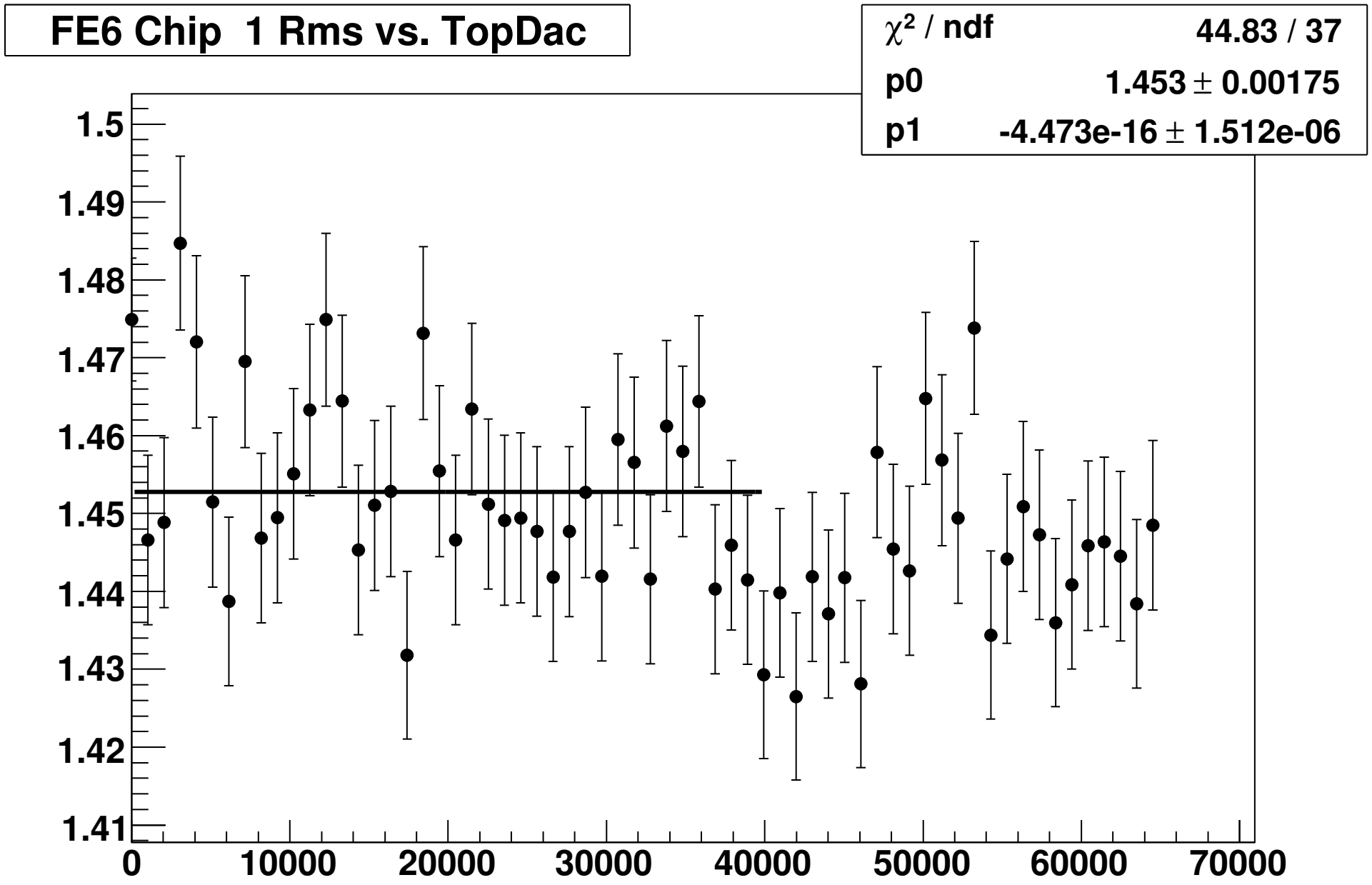

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 4301 / 37
p0 13.26 ± 0.005042
p1 6.65e-06 ± 2.141e-07
13.8
13.6
13.4
13.2
13
12.8
12.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 44.83 / 37
p0 1.453 ± 0.00175
p1 -4.473e-16 ± 1.512e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
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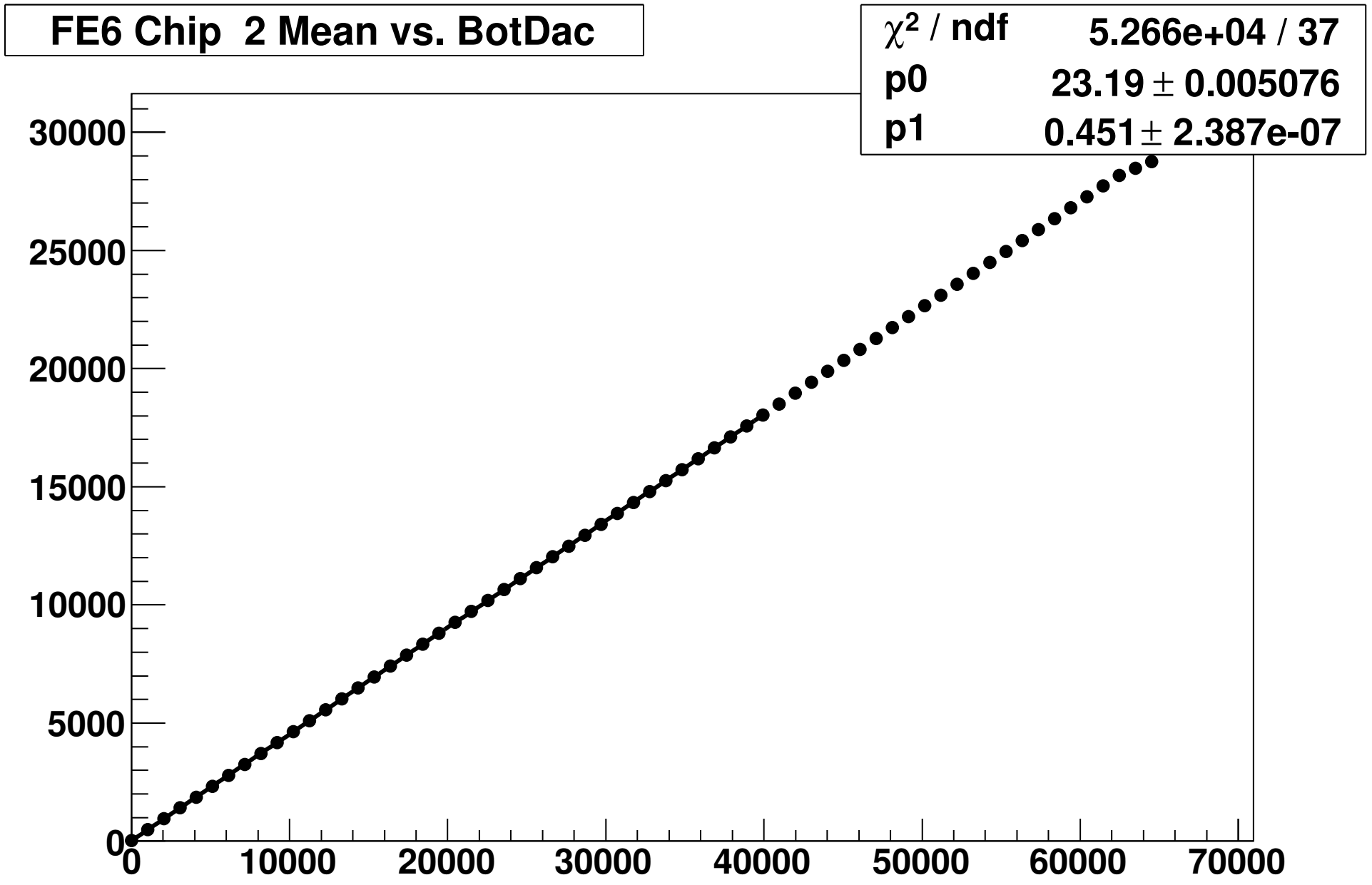
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 5.266e+04 / 37
p0 23.19 ± 0.005076
p1 0.451 ± 2.387e-07
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20000
15000
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5000
0
0
10000
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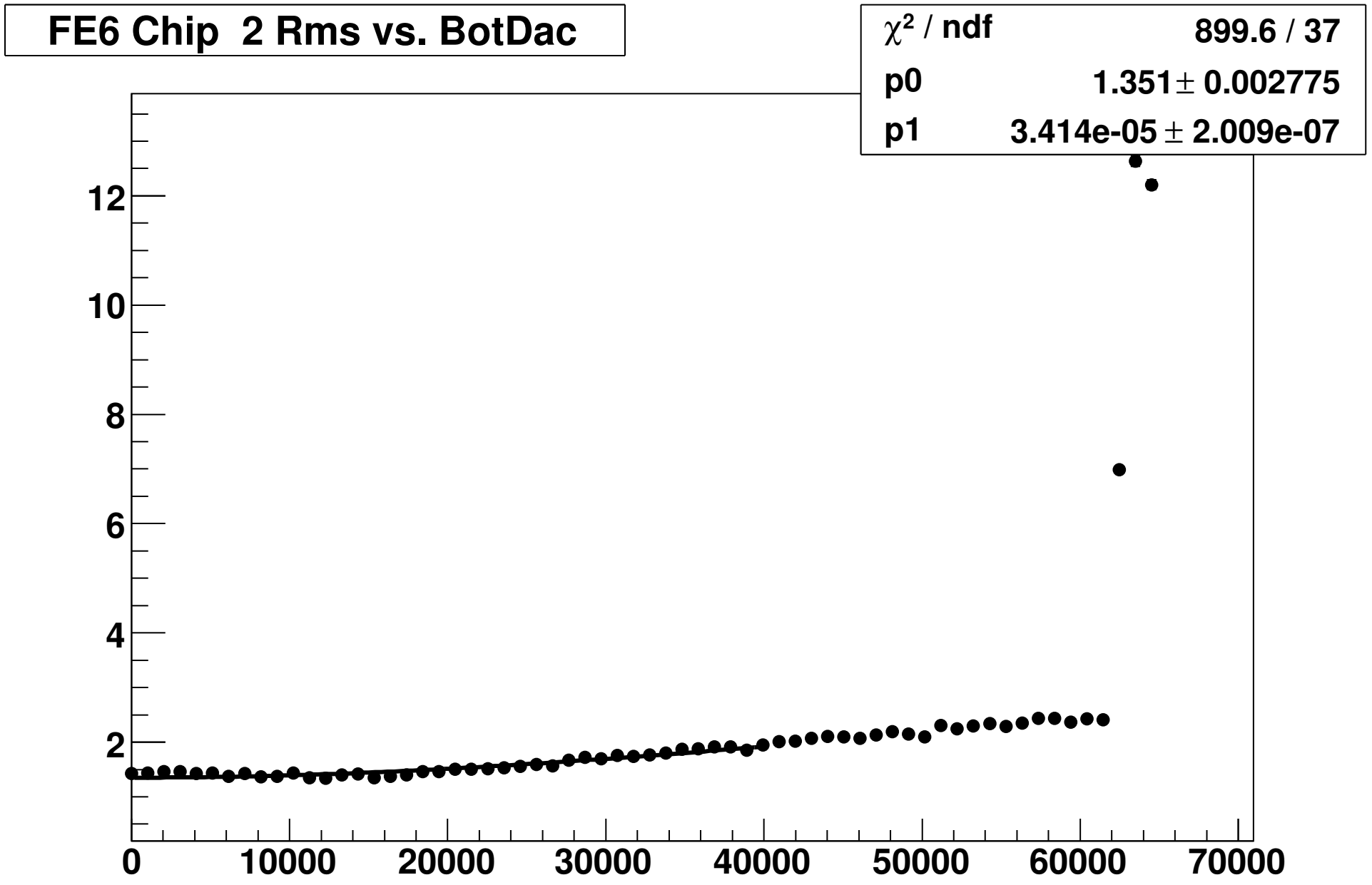
FE6 Chip 2 Rms vs. BotDac
χ² / ndf 899.6 / 37
p0 1.351 ± 0.002775
p1 3.414e-05 ± 2.009e-07
12
10
8
6
4
2
0
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40000
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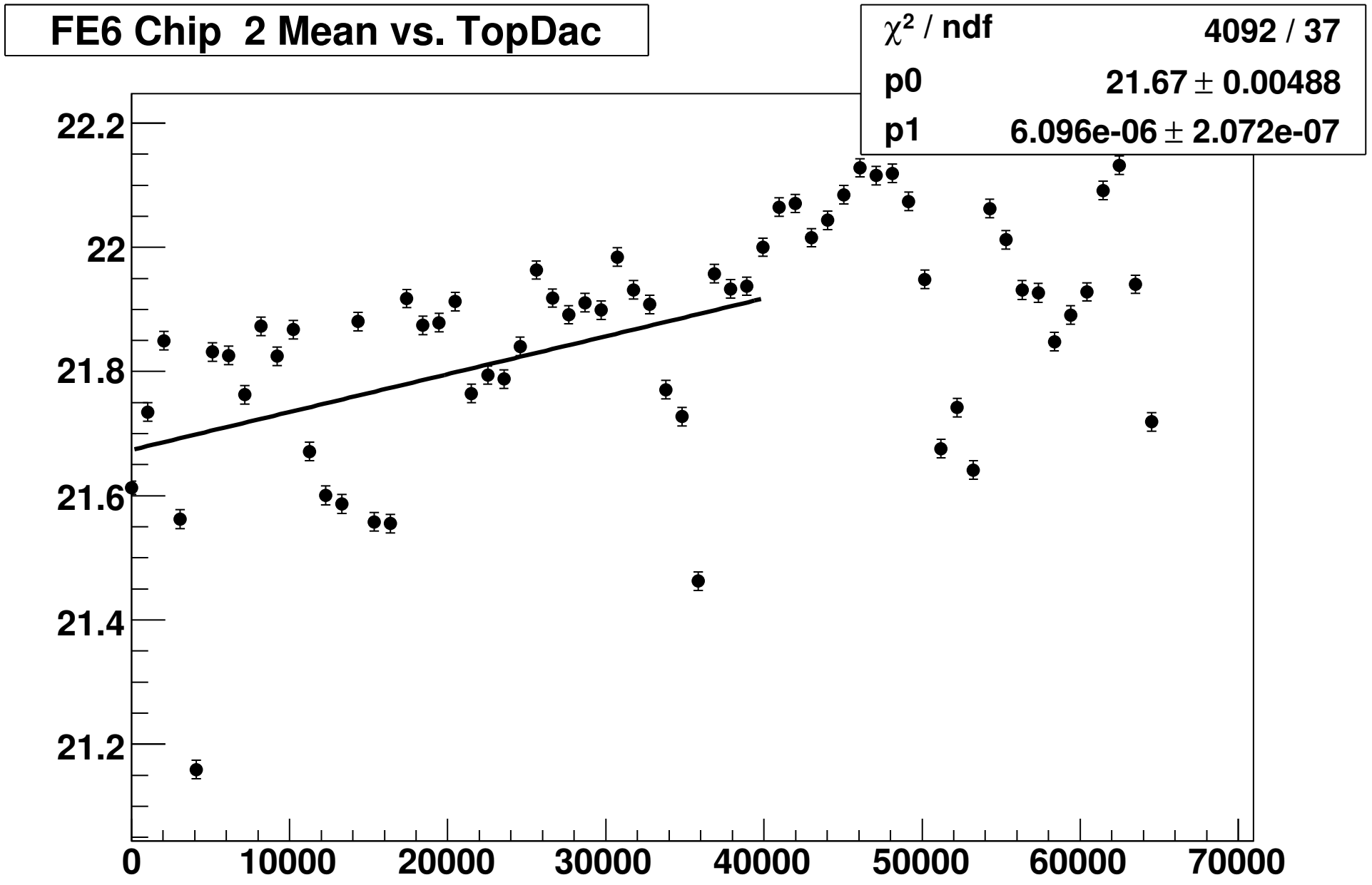
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 4092 / 37
p0 21.67 ± 0.00488
p1 6.096e-06 ± 2.072e-07
22.2
22
21.8
21.6
21.4
21.2
0
10000
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40000
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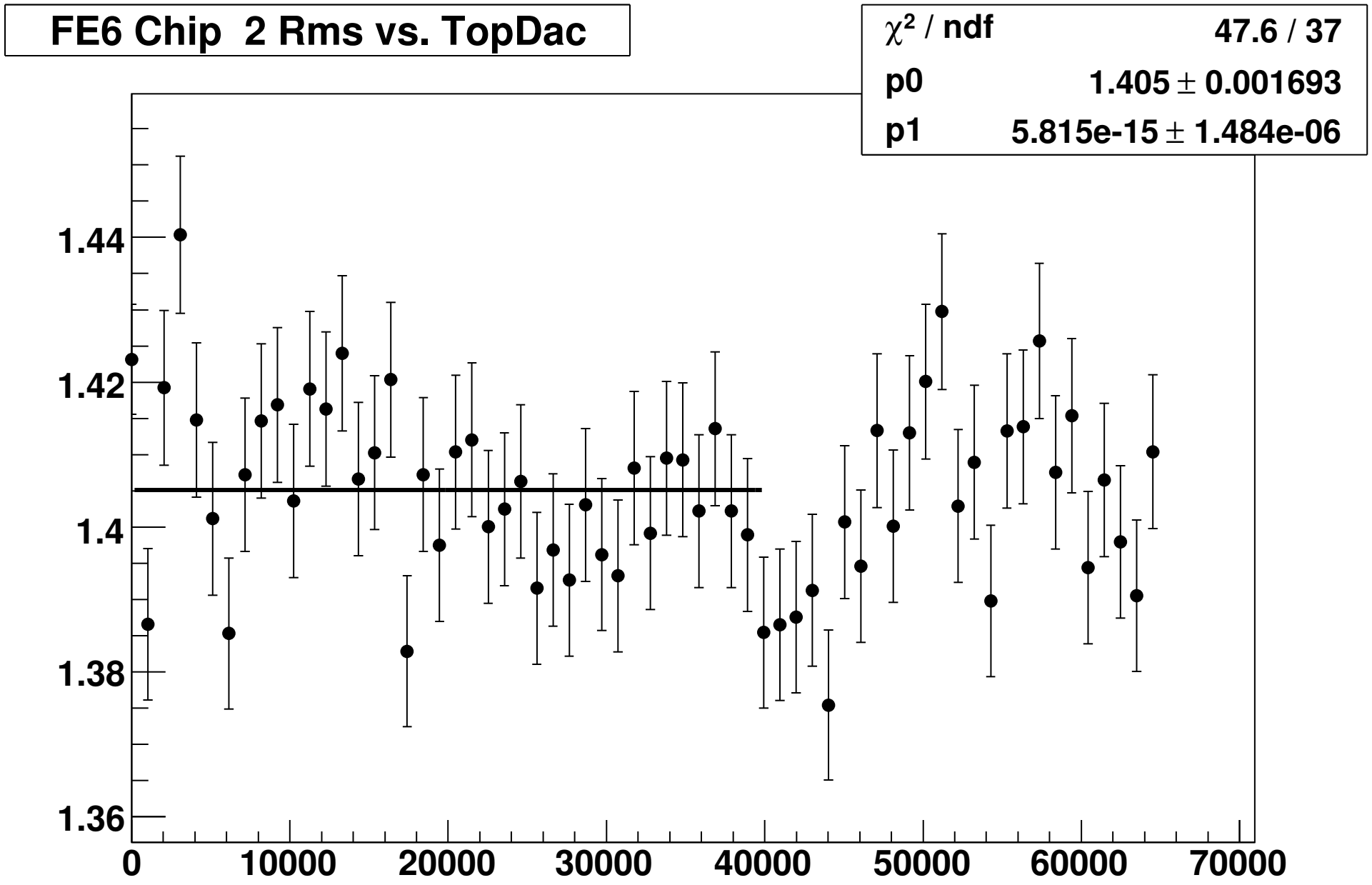
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 47.6 / 37
p0 1.405 ± 0.001693
p1 5.815e-15 ± 1.484e-06
1.44
1.42
1.4
1.38
1.36
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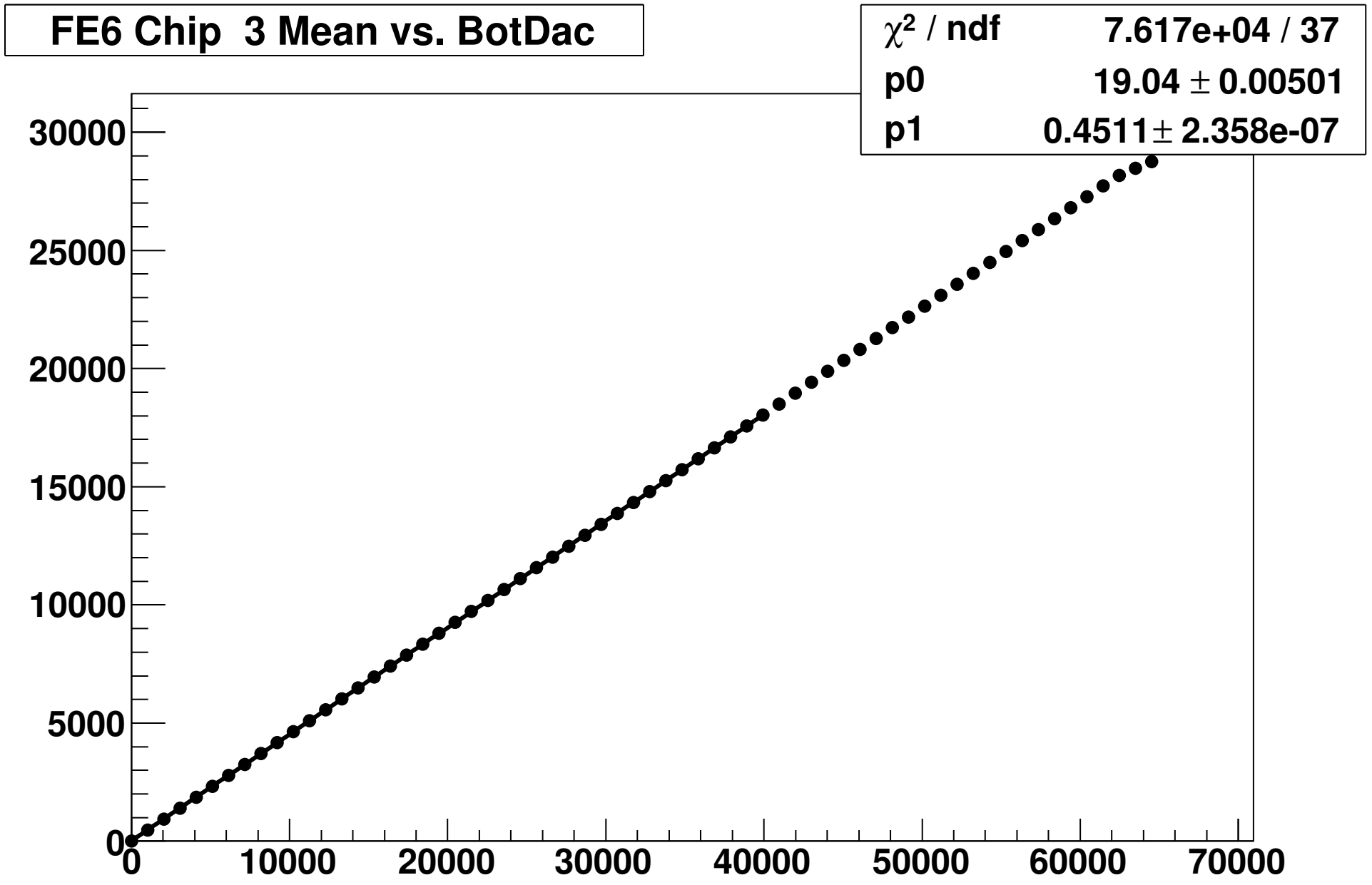
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 7.617e+04 / 37
p0 19.04 ± 0.00501
p1 0.4511 ± 2.358e-07
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15000
10000
5000
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0
10000
20000
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60000
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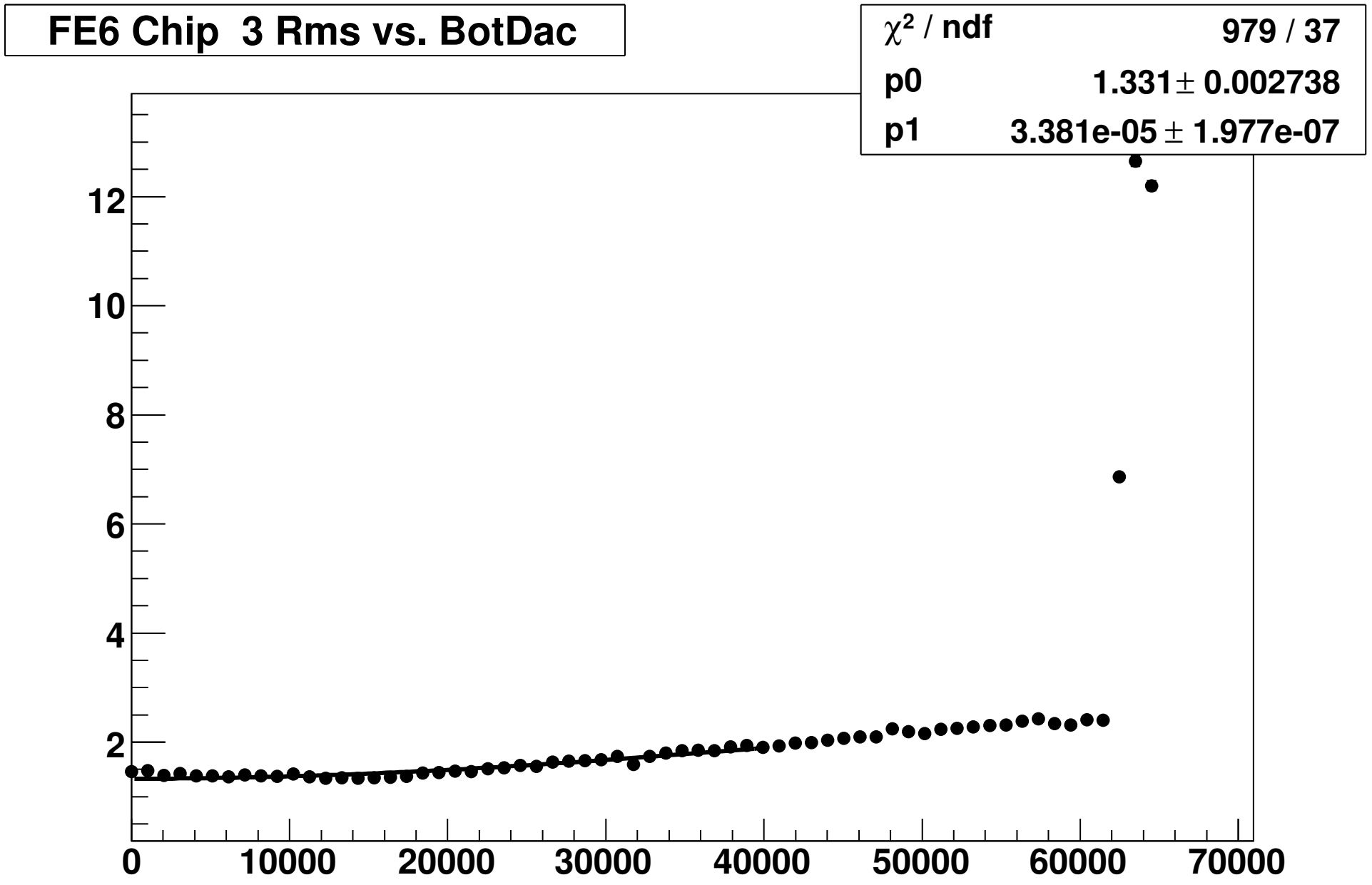
FE6 Chip 3 Rms vs. BotDac
χ² / ndf 979 / 37
p0 1.331 ± 0.002738
p1 3.381e-05 ± 1.977e-07
12
10
8
6
4
2
0
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50000
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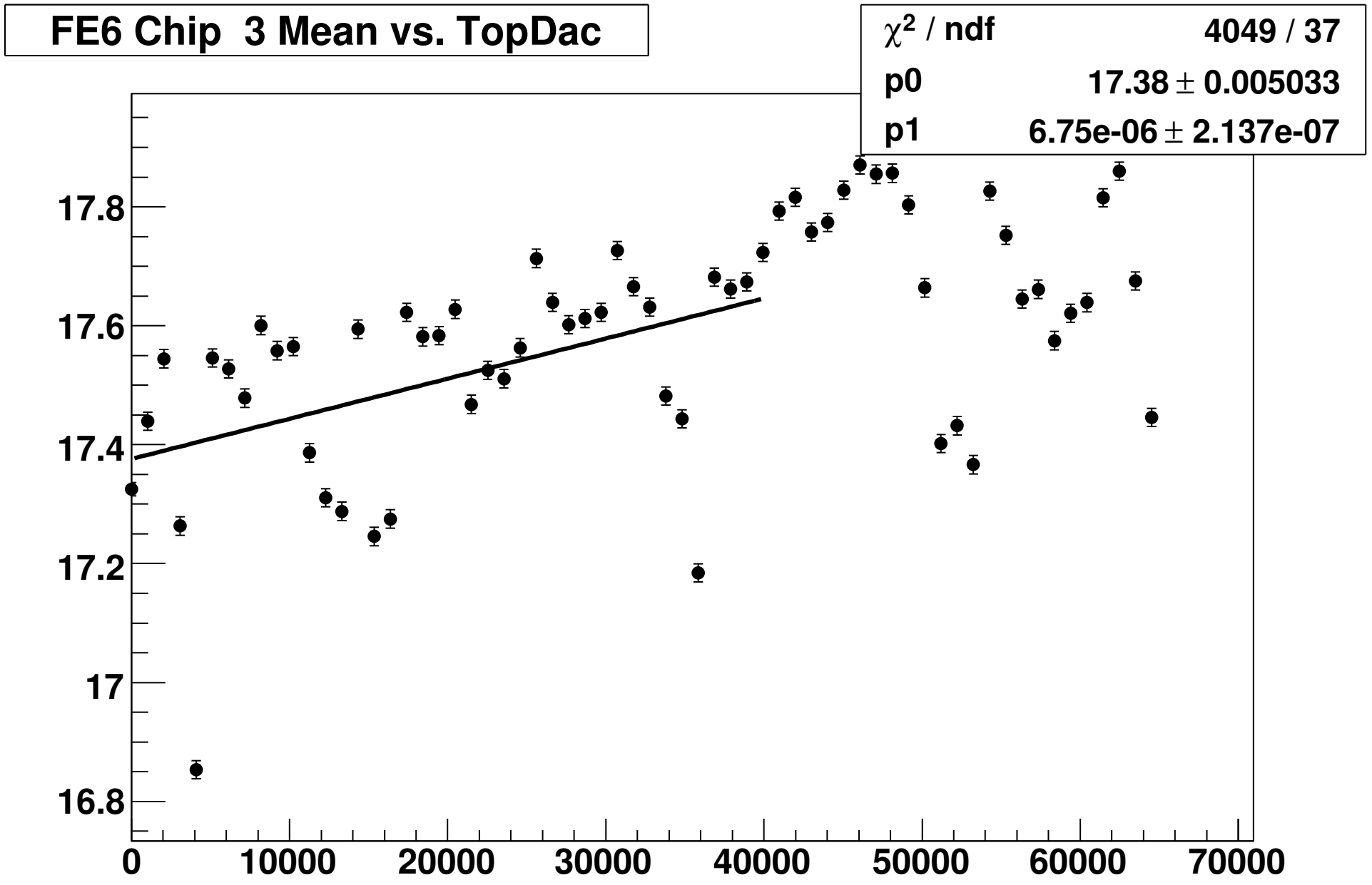
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 4049 / 37
p0 17.38 ± 0.005033
p1 6.75e-06 ± 2.137e-07
17.8
17.6
17.4
17.2
17
16.8
0
10000
20000
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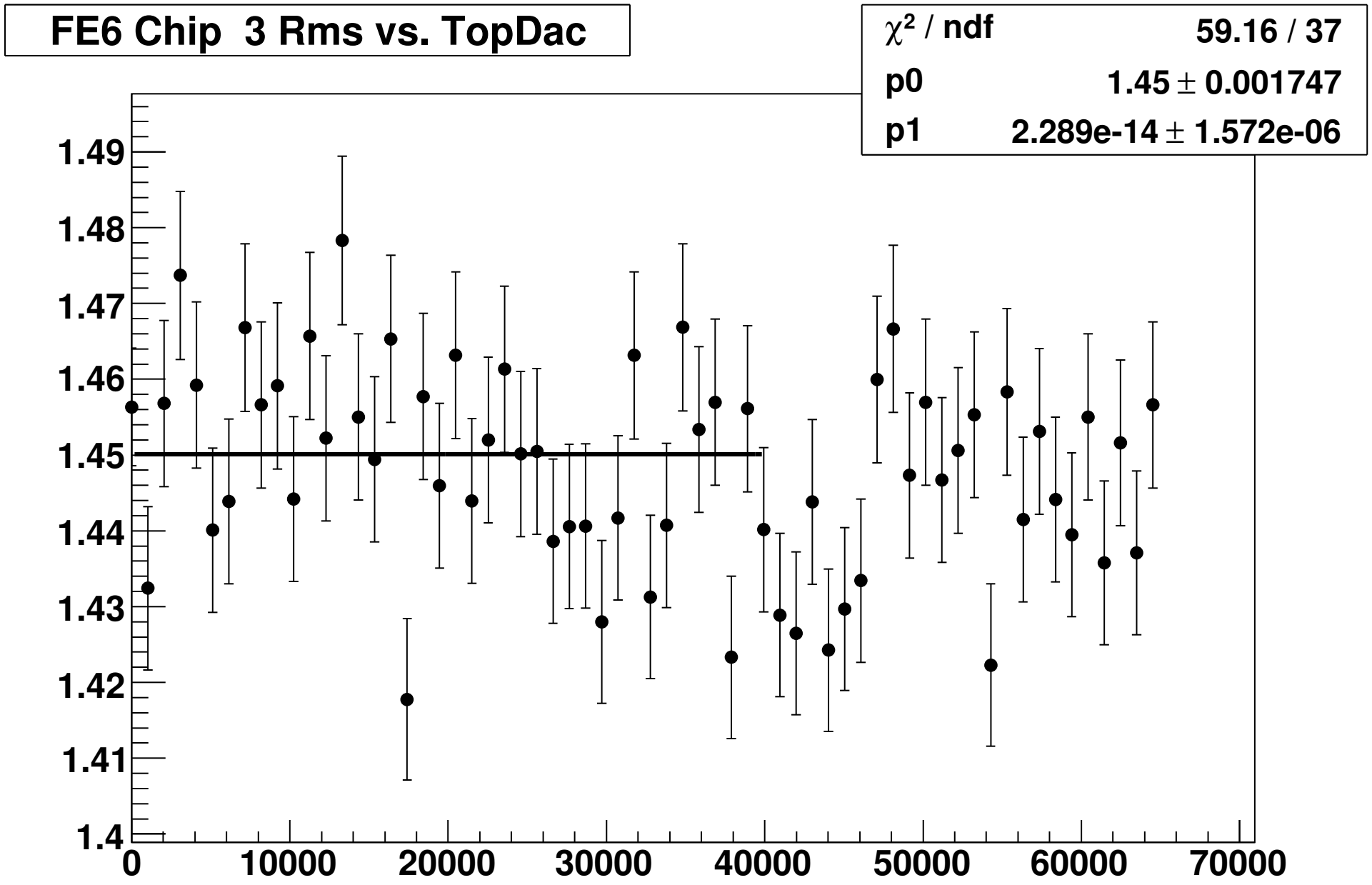
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 59.16 / 37
p0 1.45 ± 0.001747
p1 2.289e-14 ± 1.572e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
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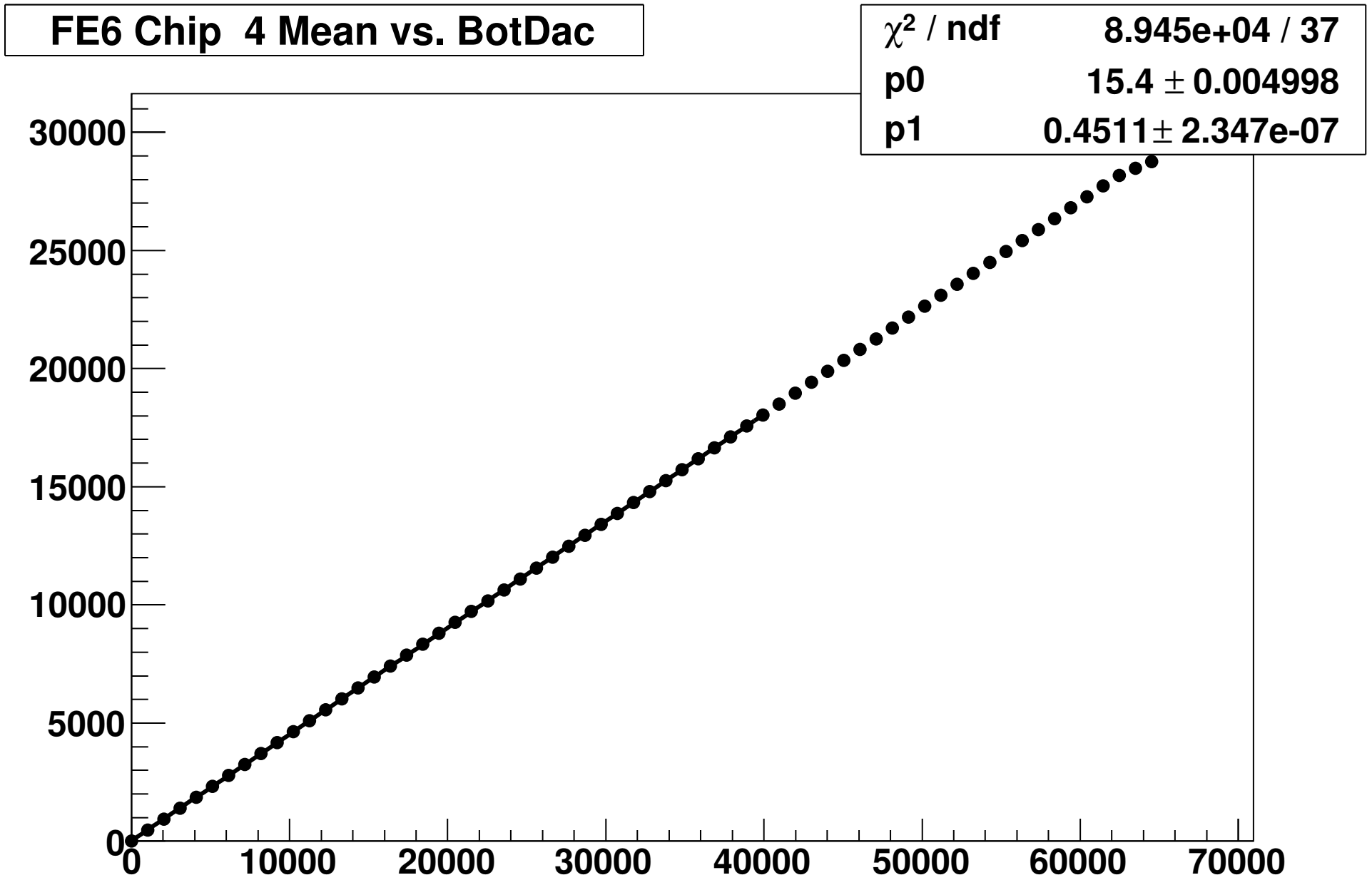
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 8.945e+04 / 37
p0 15.4 ± 0.004998
p1 0.4511 ± 2.347e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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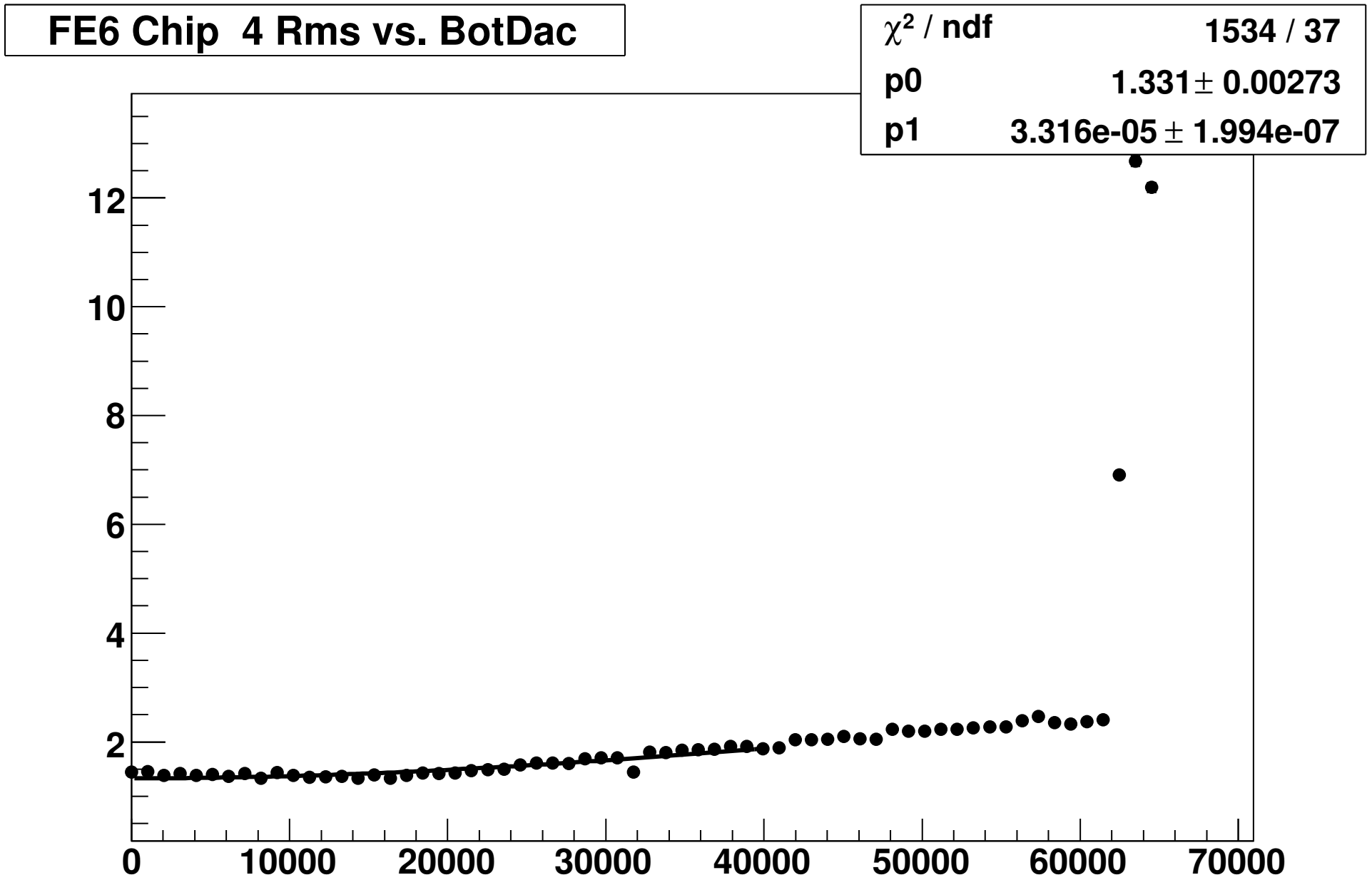
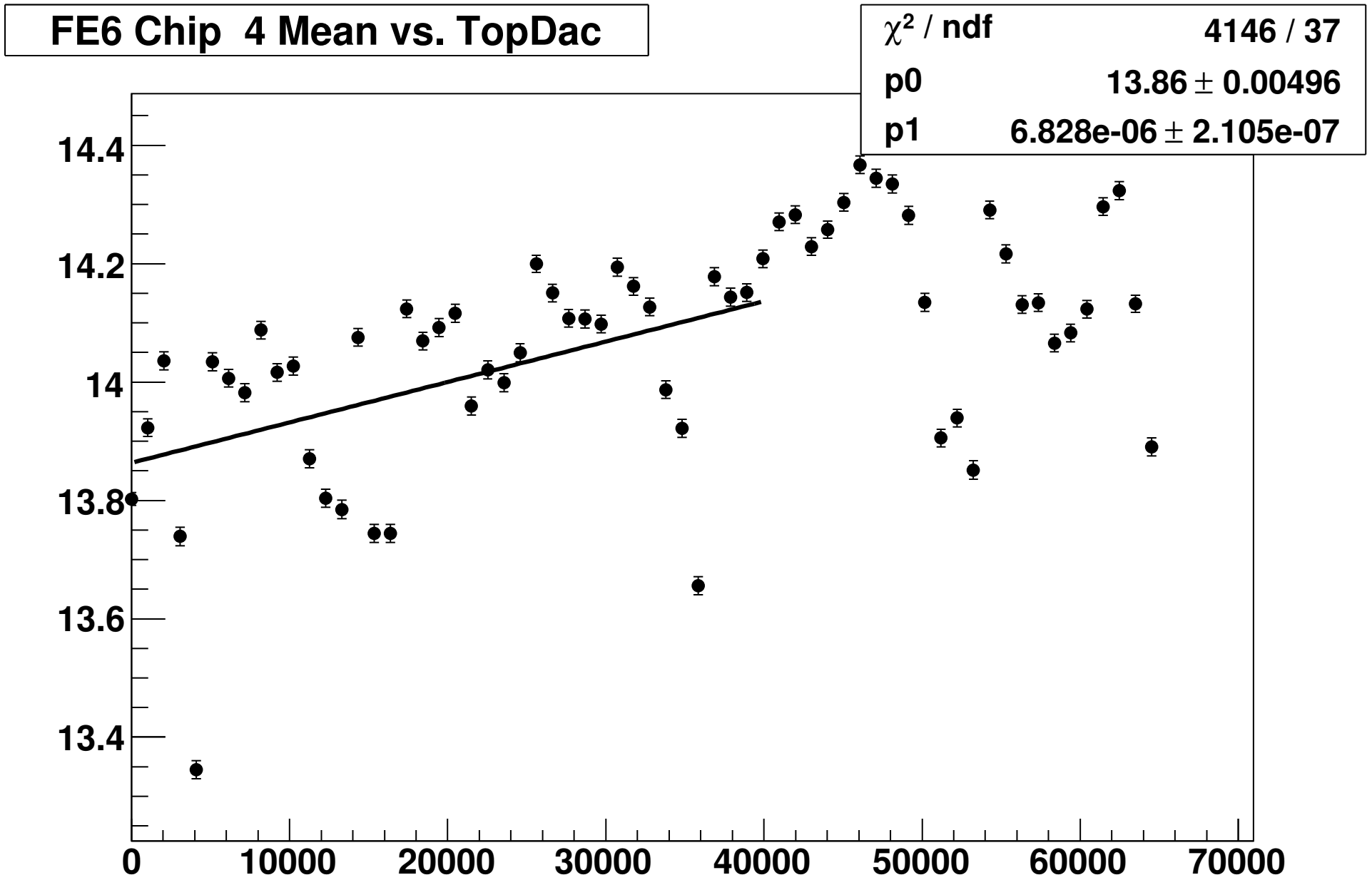
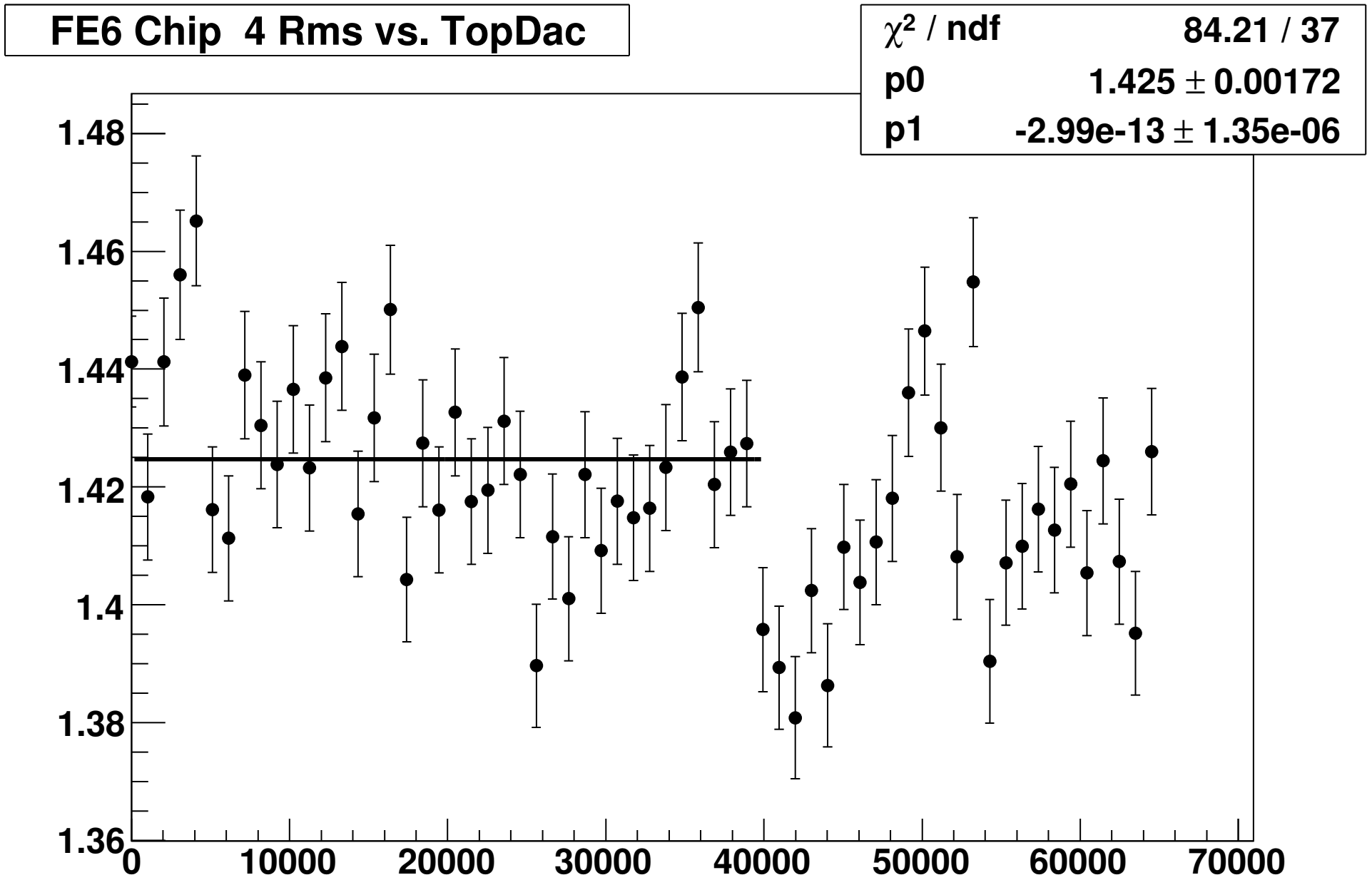
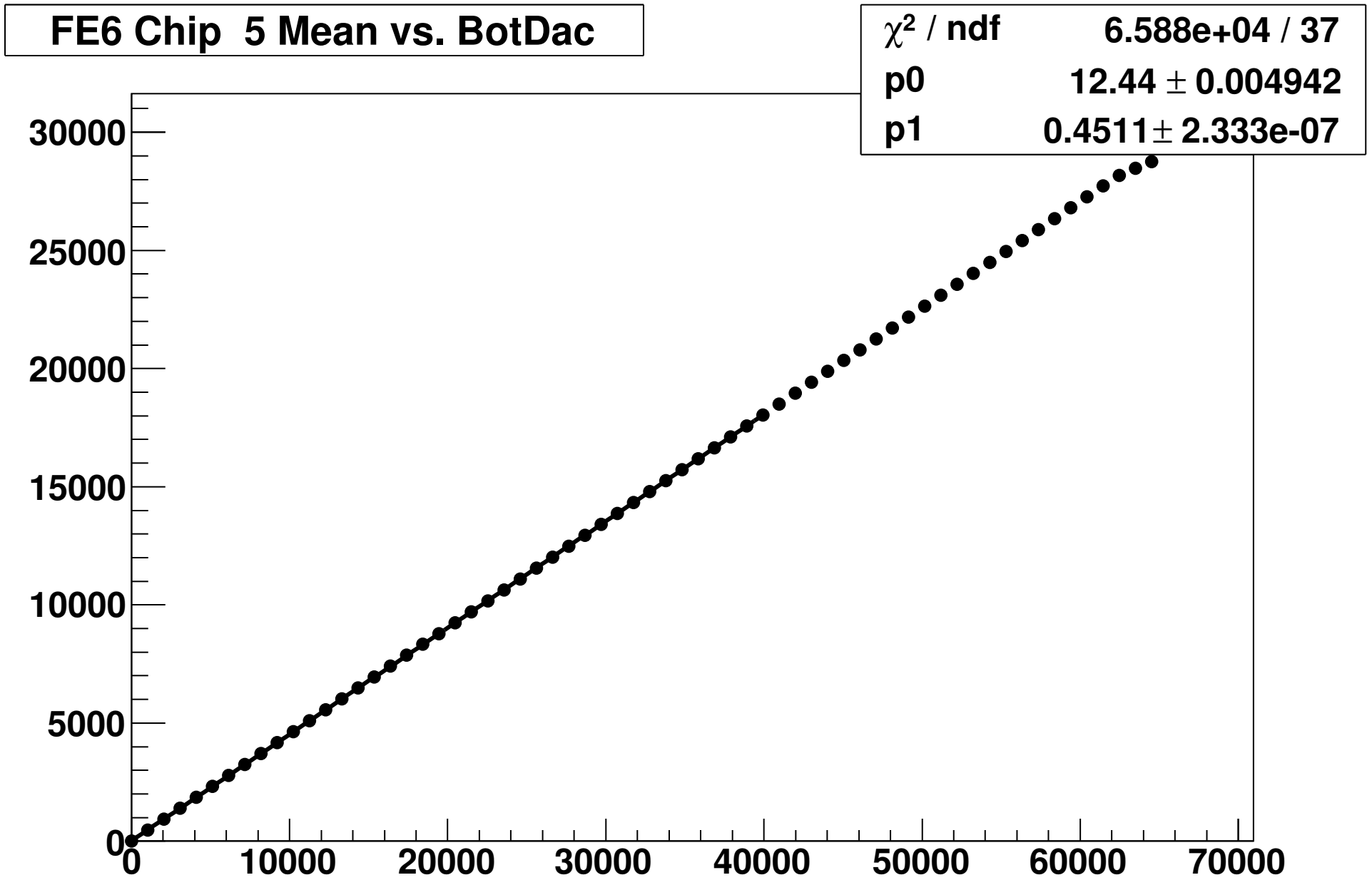
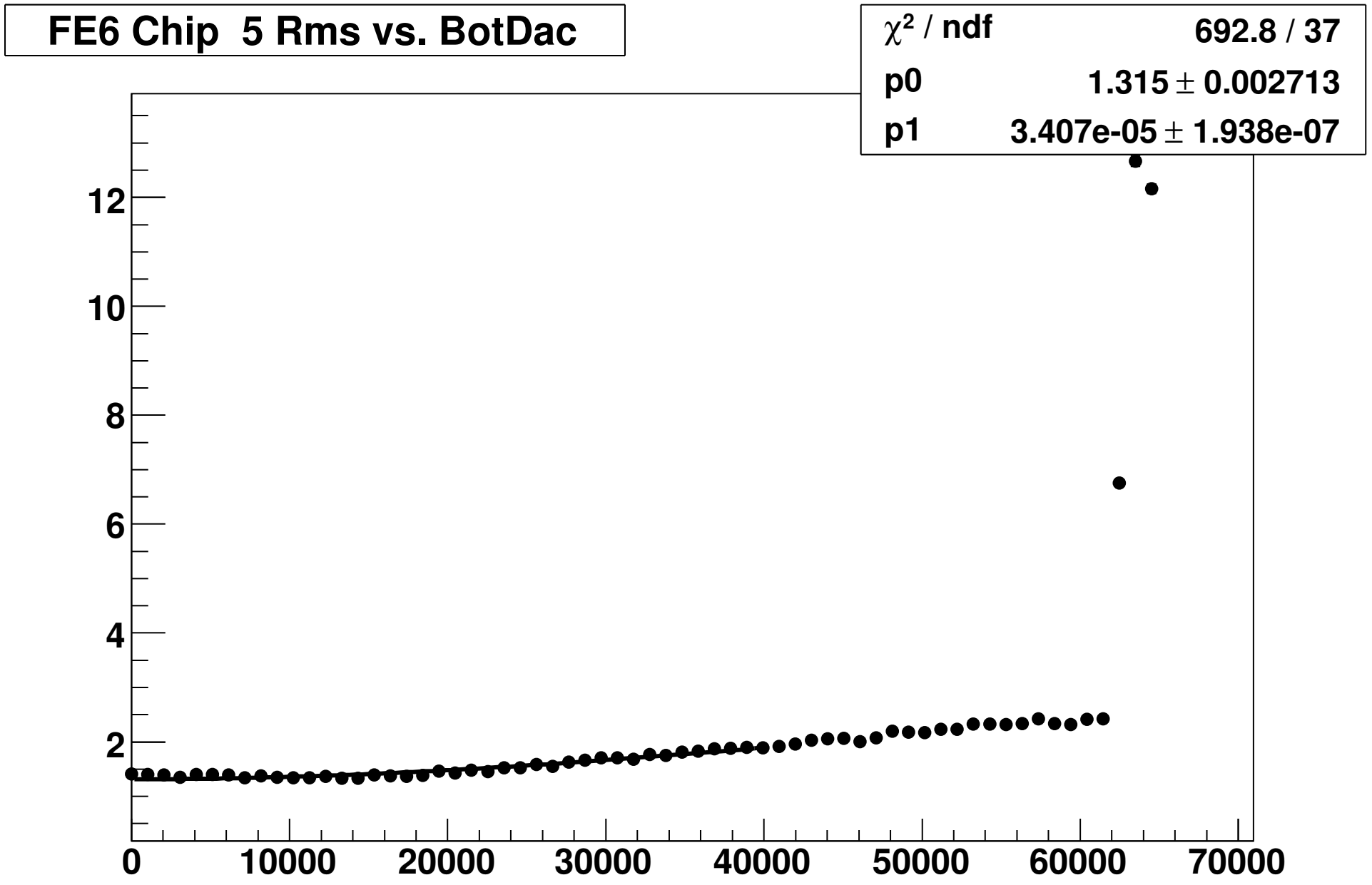
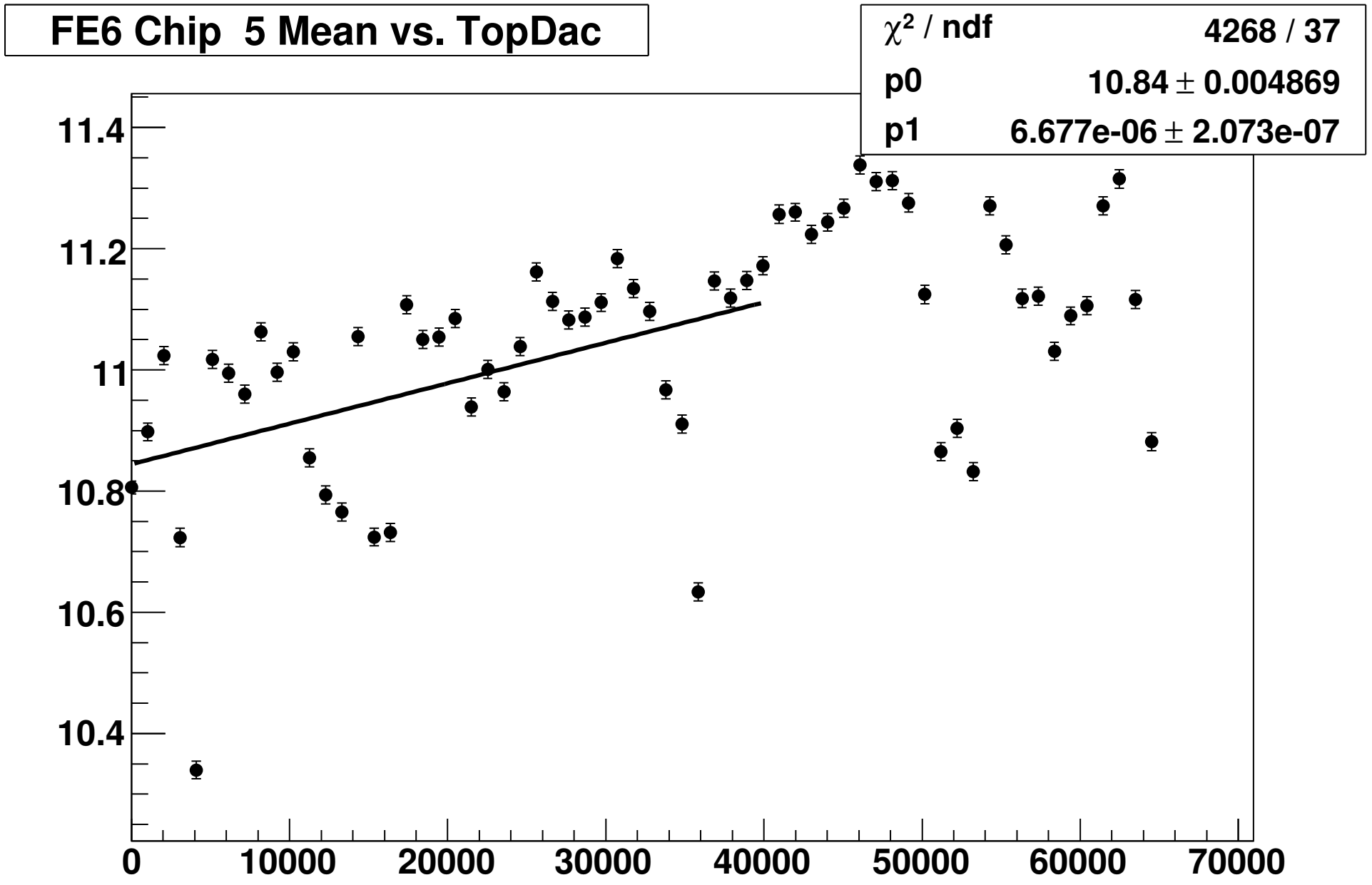

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1534 / 37
p0 1.331 ± 0.00273
p1 3.316e-05 ± 1.994e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

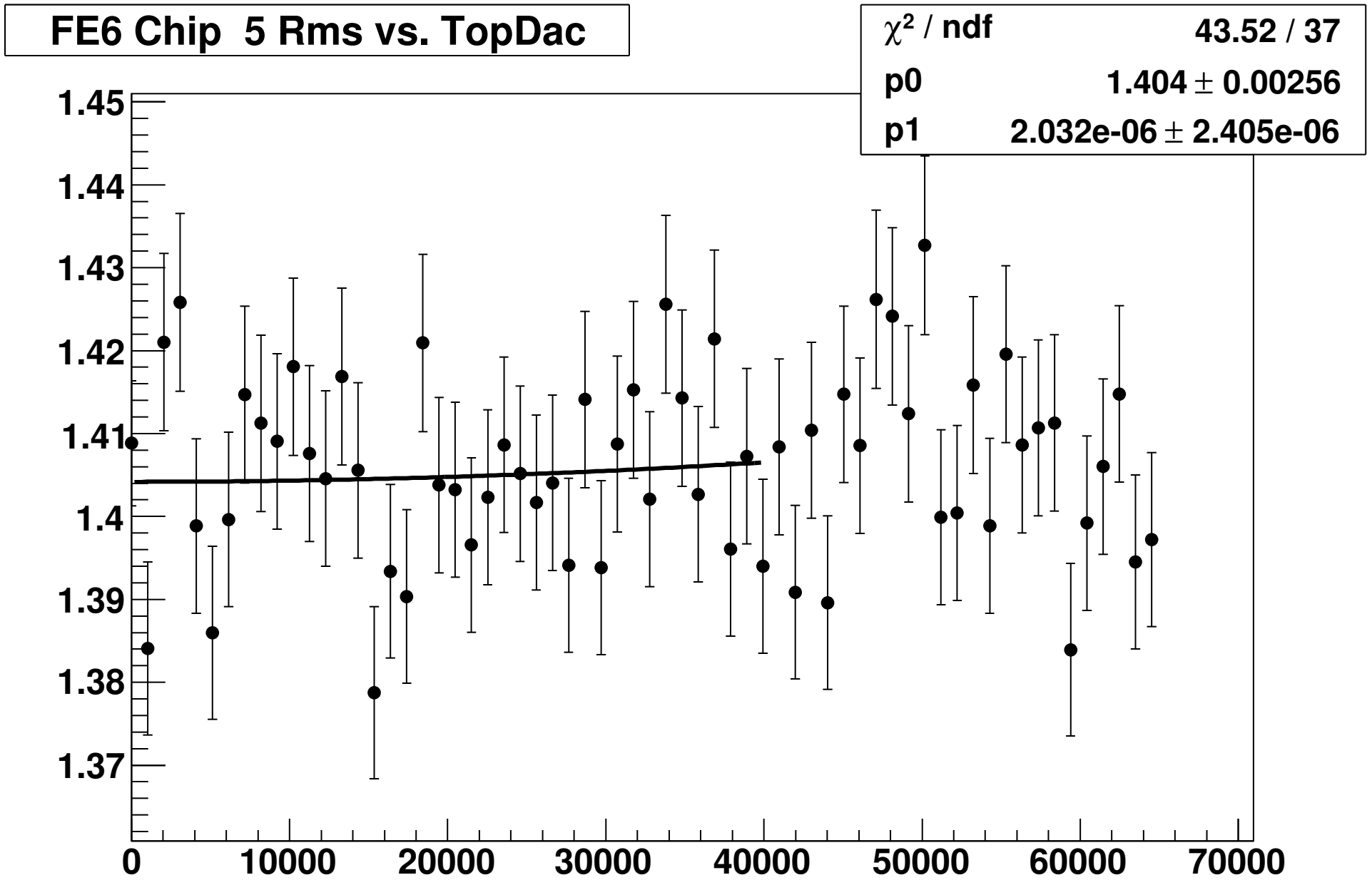

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 4146 / 37
p0 13.86 ± 0.00496
p1 6.828e-06 ± 2.105e-07
14.4
14.2
14
13.8
13.6
13.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 84.21 / 37
p0 1.425 ± 0.00172
p1 -2.99e-13 ± 1.35e-06
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 6.588e+04 / 37
p0 12.44 ± 0.004942
p1 0.4511 ± 2.333e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 692.8 / 37
p0 1.315 ± 0.002713
p1 3.407e-05 ± 1.938e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 4268 / 37
p0 10.84 ± 0.004869
p1 6.677e-06 ± 2.073e-07
11.4
11.2
11
10.8
10.6
10.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 43.52 / 37
p0 1.404 ± 0.00256
p1 2.032e-06 ± 2.405e-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
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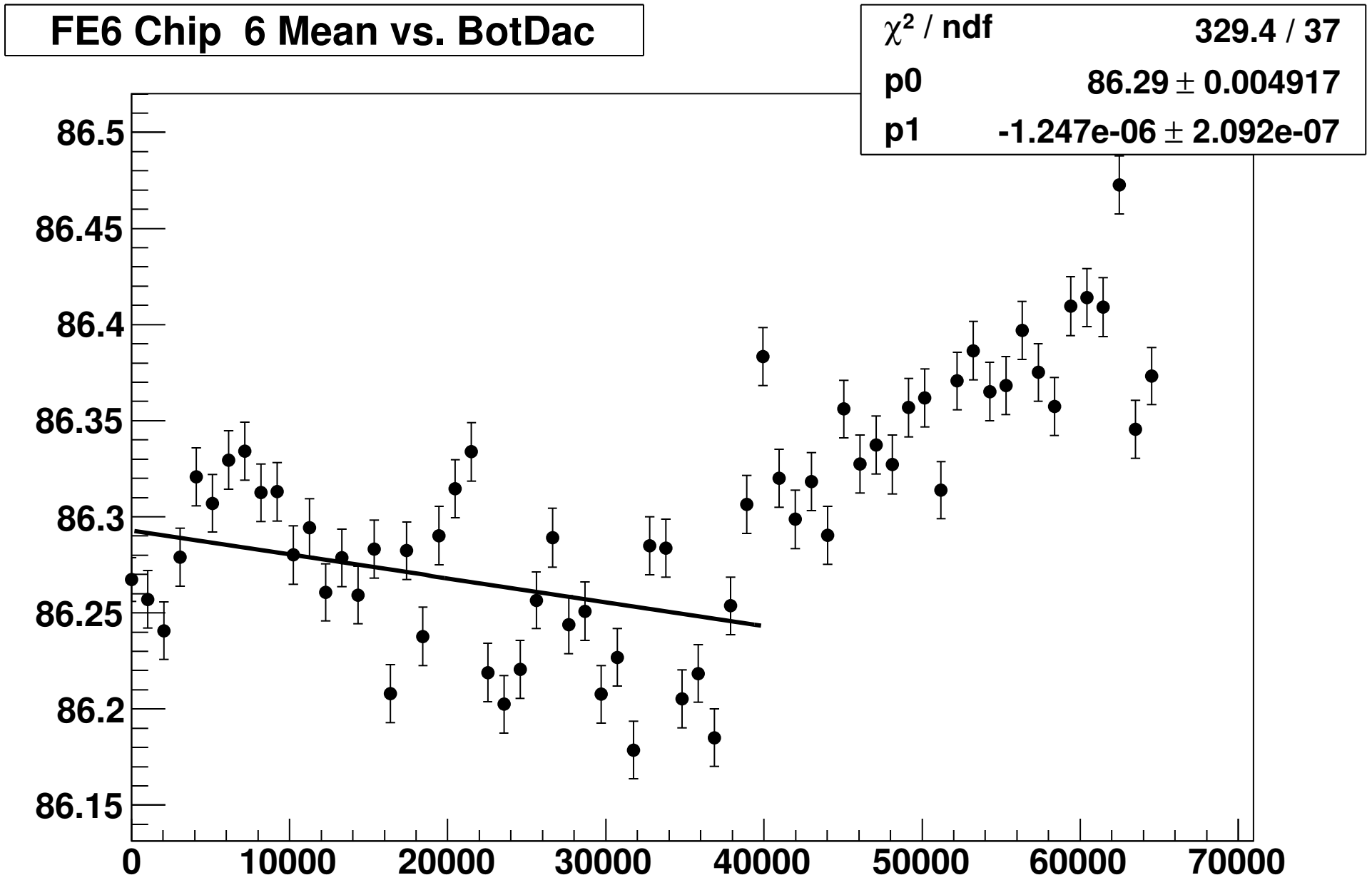
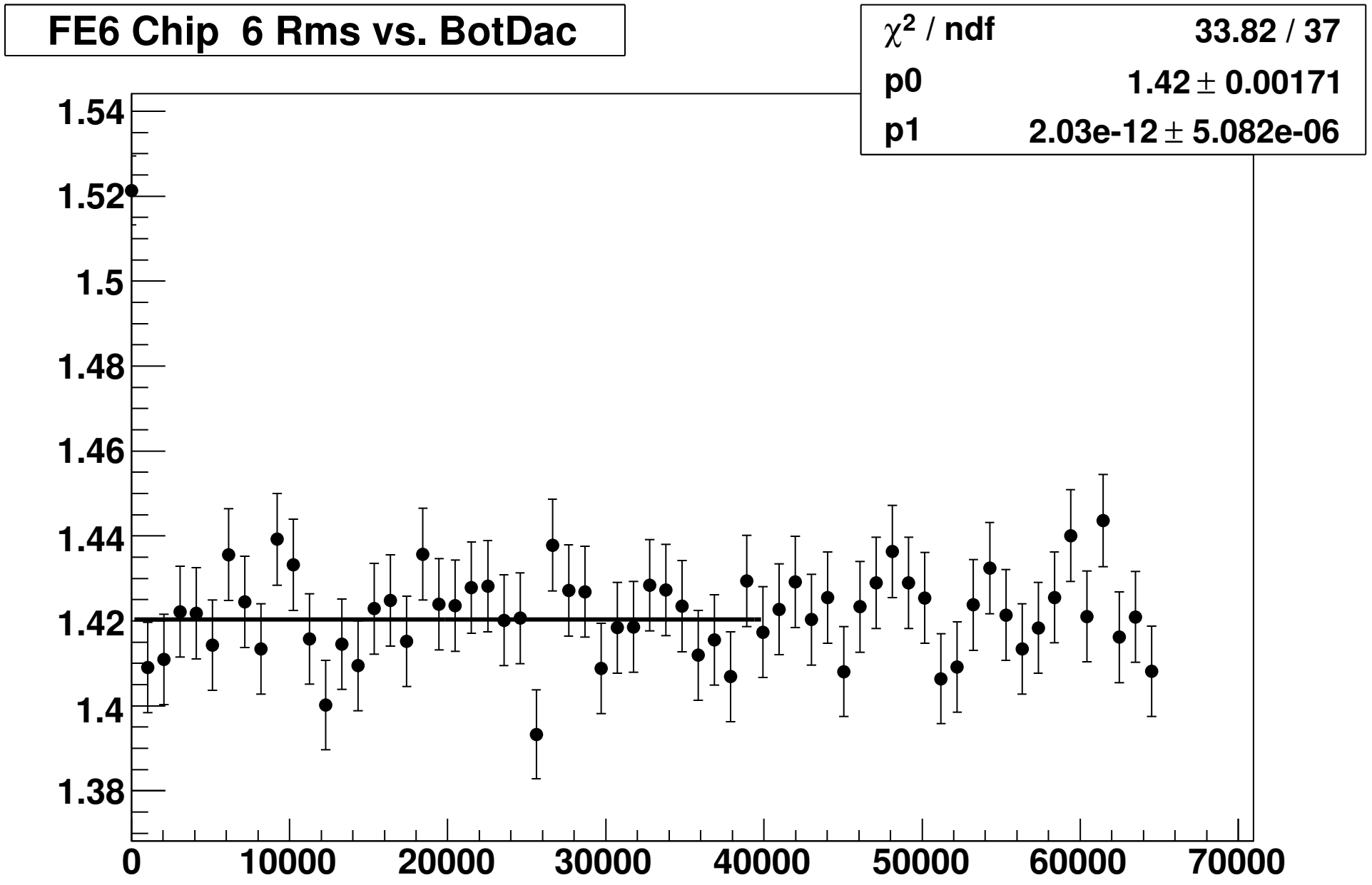
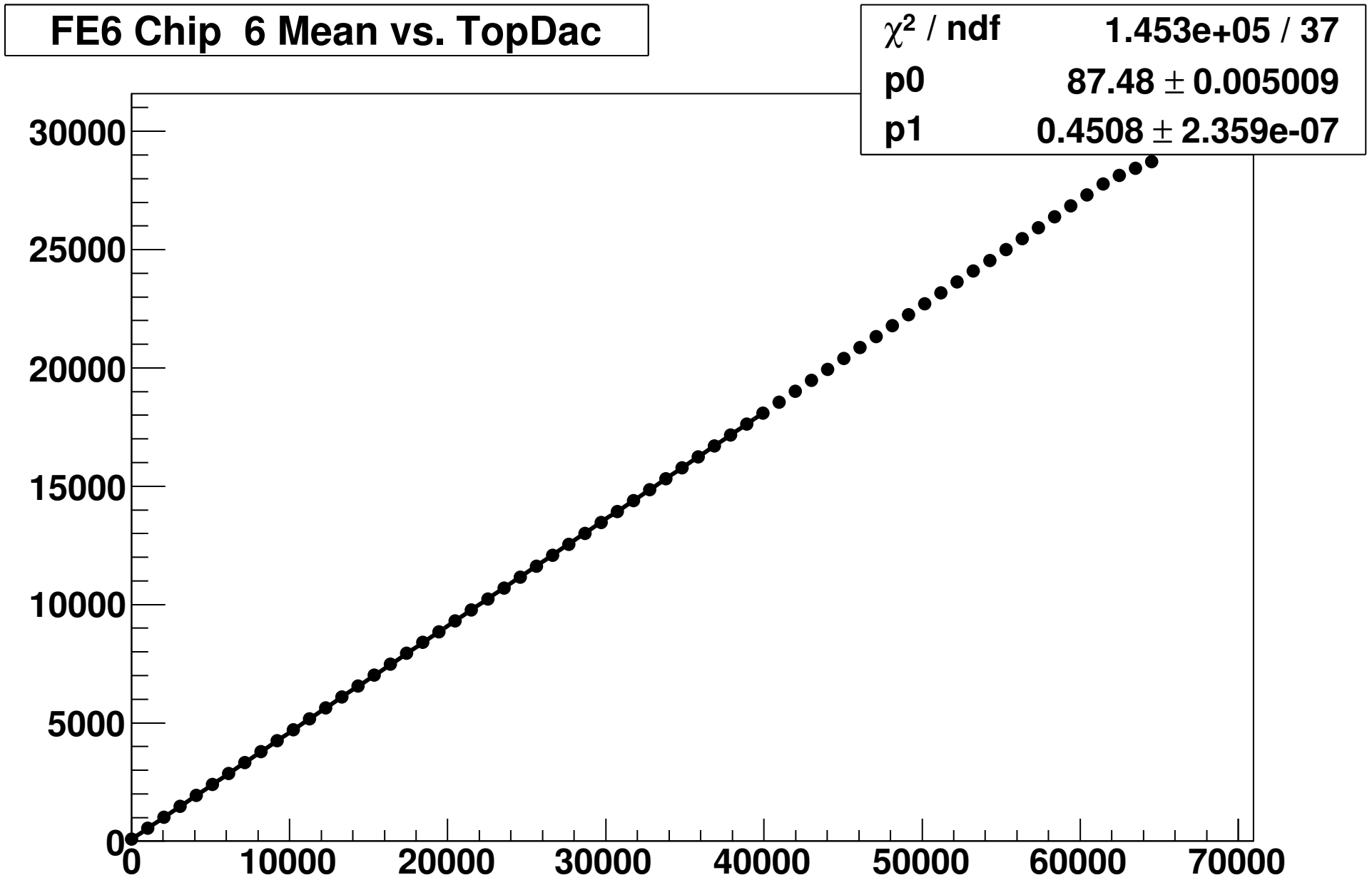

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 329.4 / 37
p0 86.29 ± 0.004917
p1 -1.247e-06 ± 2.092e-07
86.5
86.45
86.4
86.35
86.3
86.25
86.2
86.15
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 33.82 / 37
p0 1.42 ± 0.00171
p1 2.03e-12 ± 5.082e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.453e+05 / 37
p0 87.48 ± 0.005009
p1 0.4508 ± 2.359e-07
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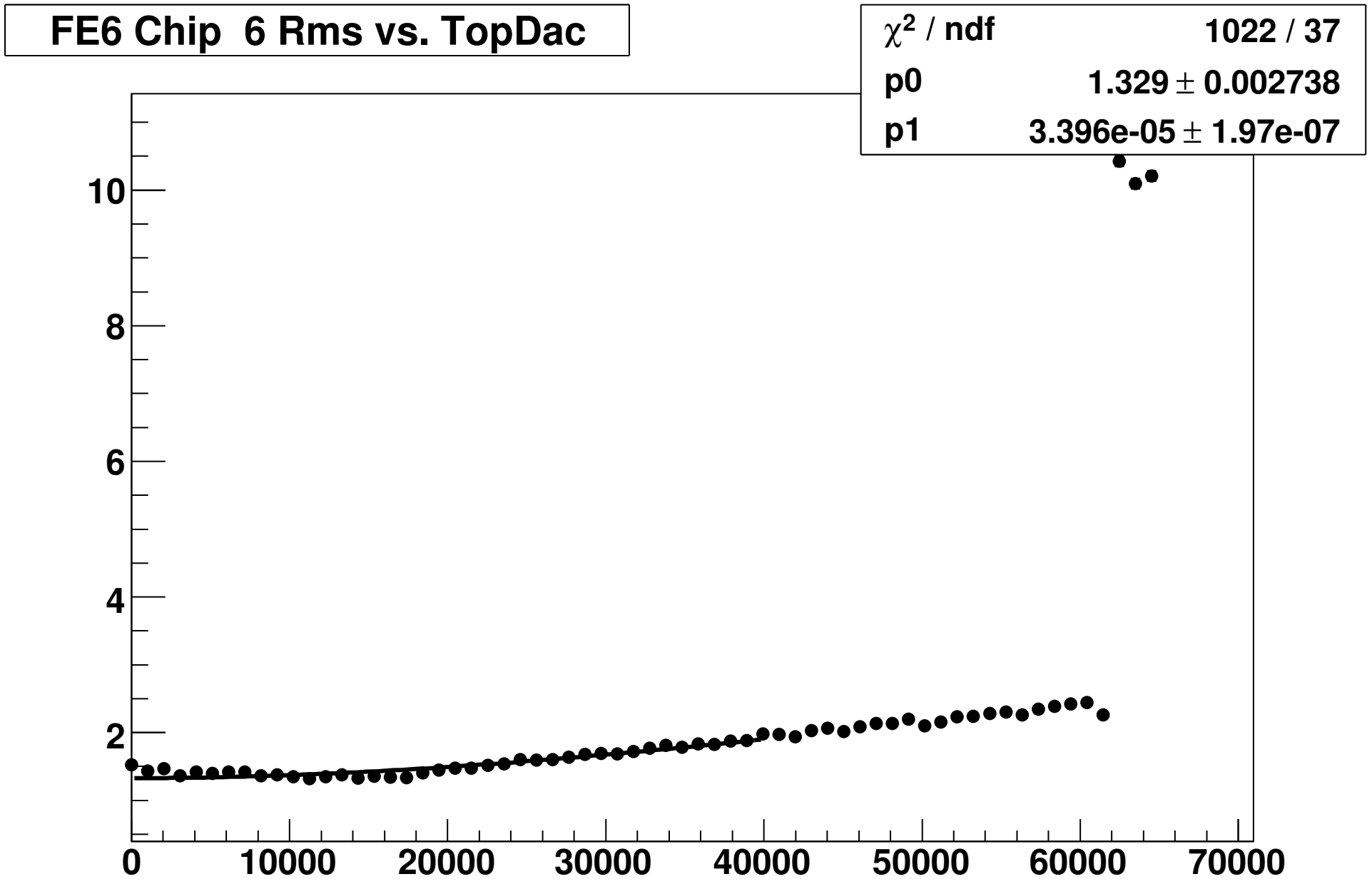
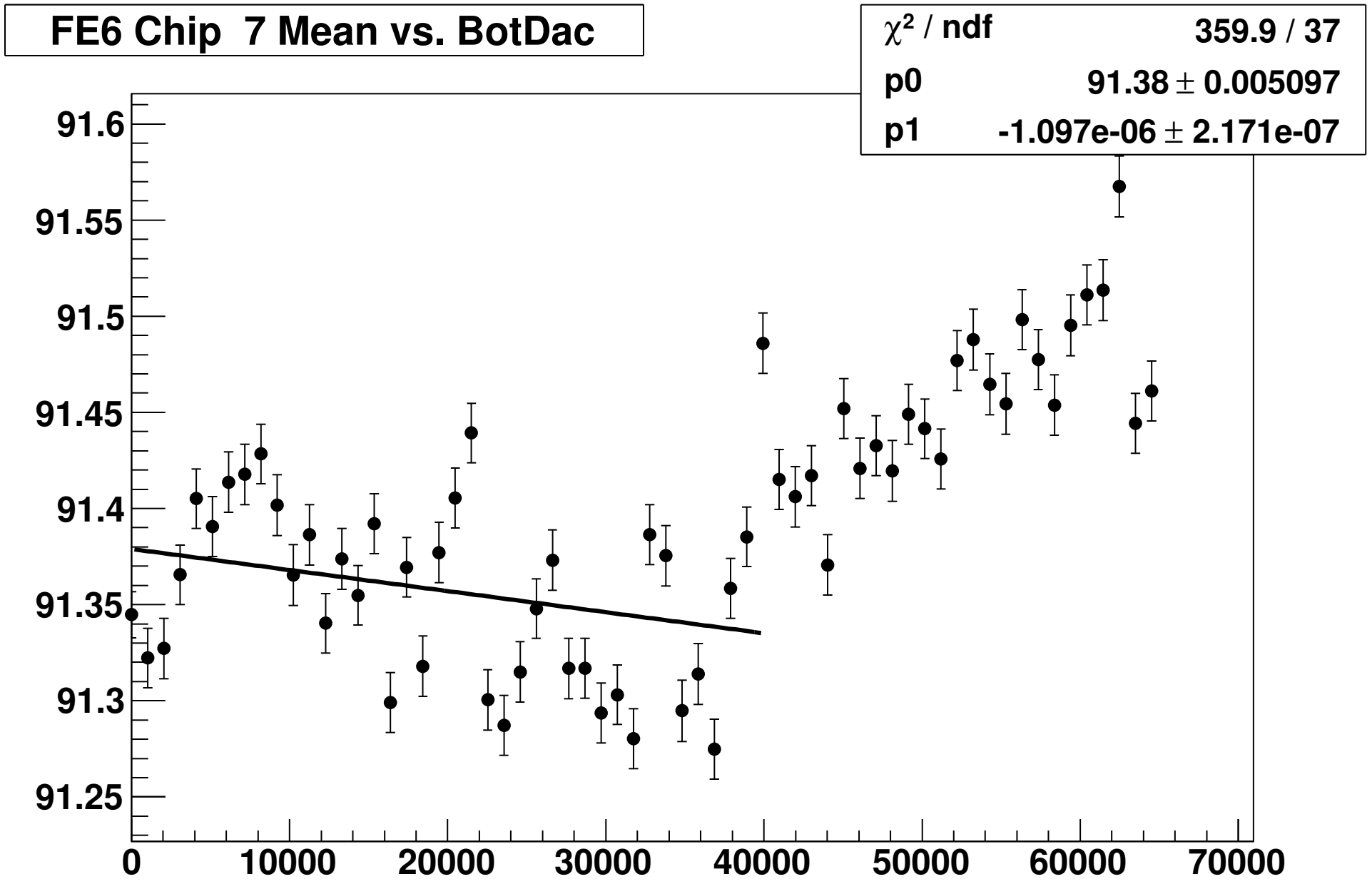
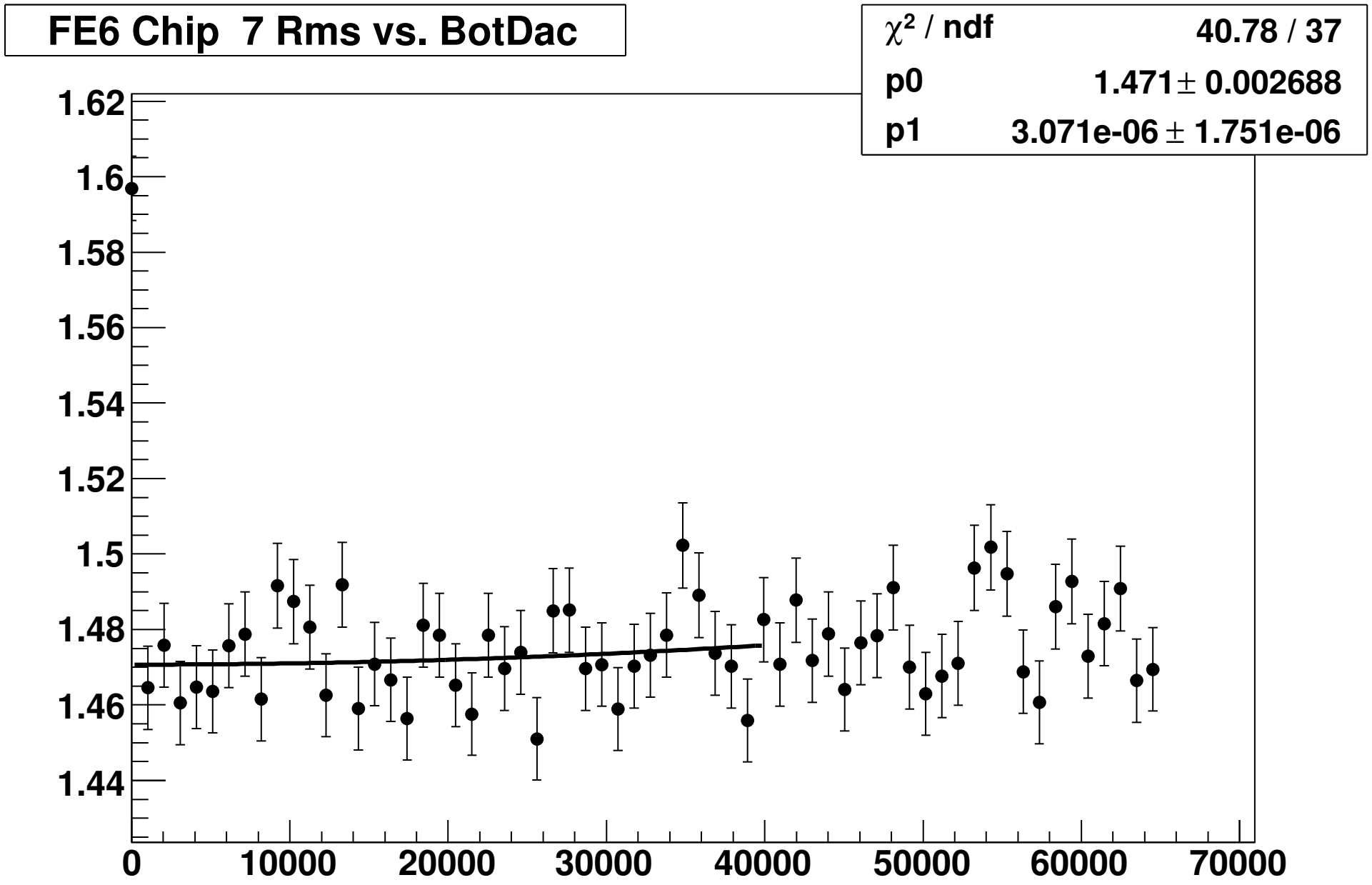
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1022 / 37
p0 1.329 ± 0.002738
p1 3.396e-05 ± 1.97e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 359.9 / 37
p0 91.38 ± 0.005097
p1 -1.097e-06 ± 2.171e-07
91.6
91.55
91.5
91.45
91.4
91.35
91.3
91.25
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 40.78 / 37
p0 1.471 ± 0.002688
p1 3.071e-06 ± 1.751e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
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50000
60000
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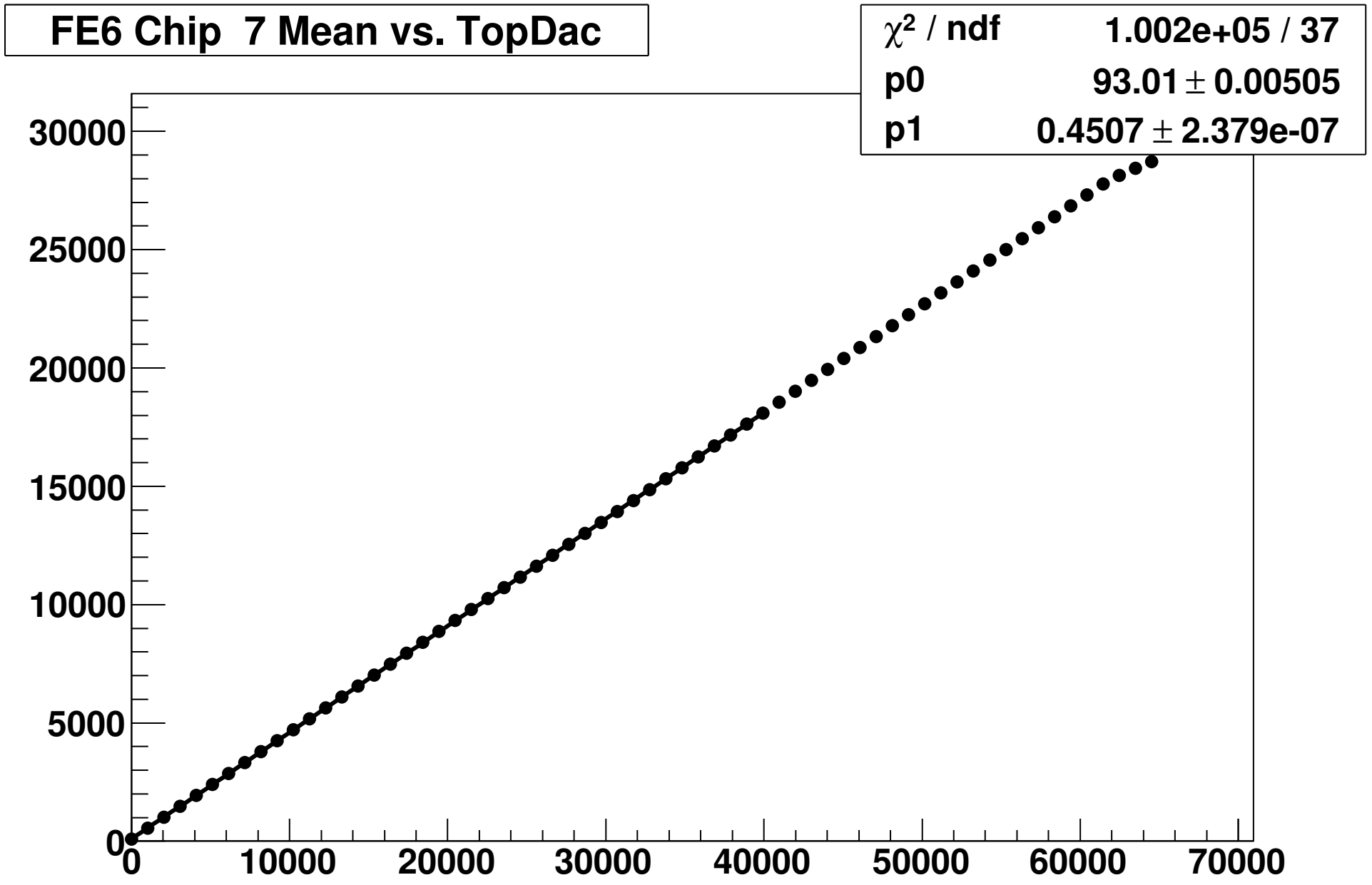
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.002e+05 / 37
p0 93.01 ± 0.00505
p1 0.4507 ± 2.379e-07
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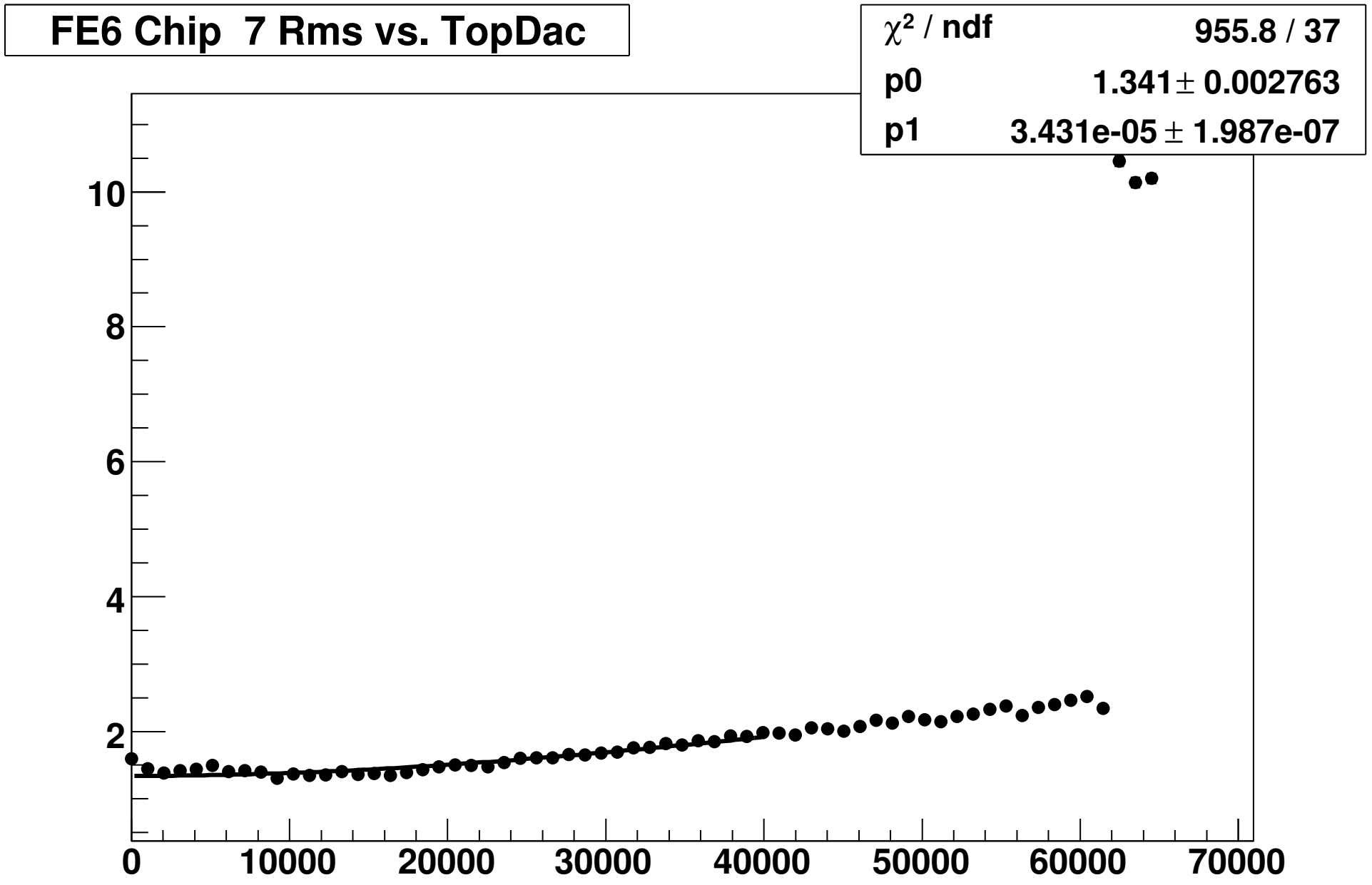
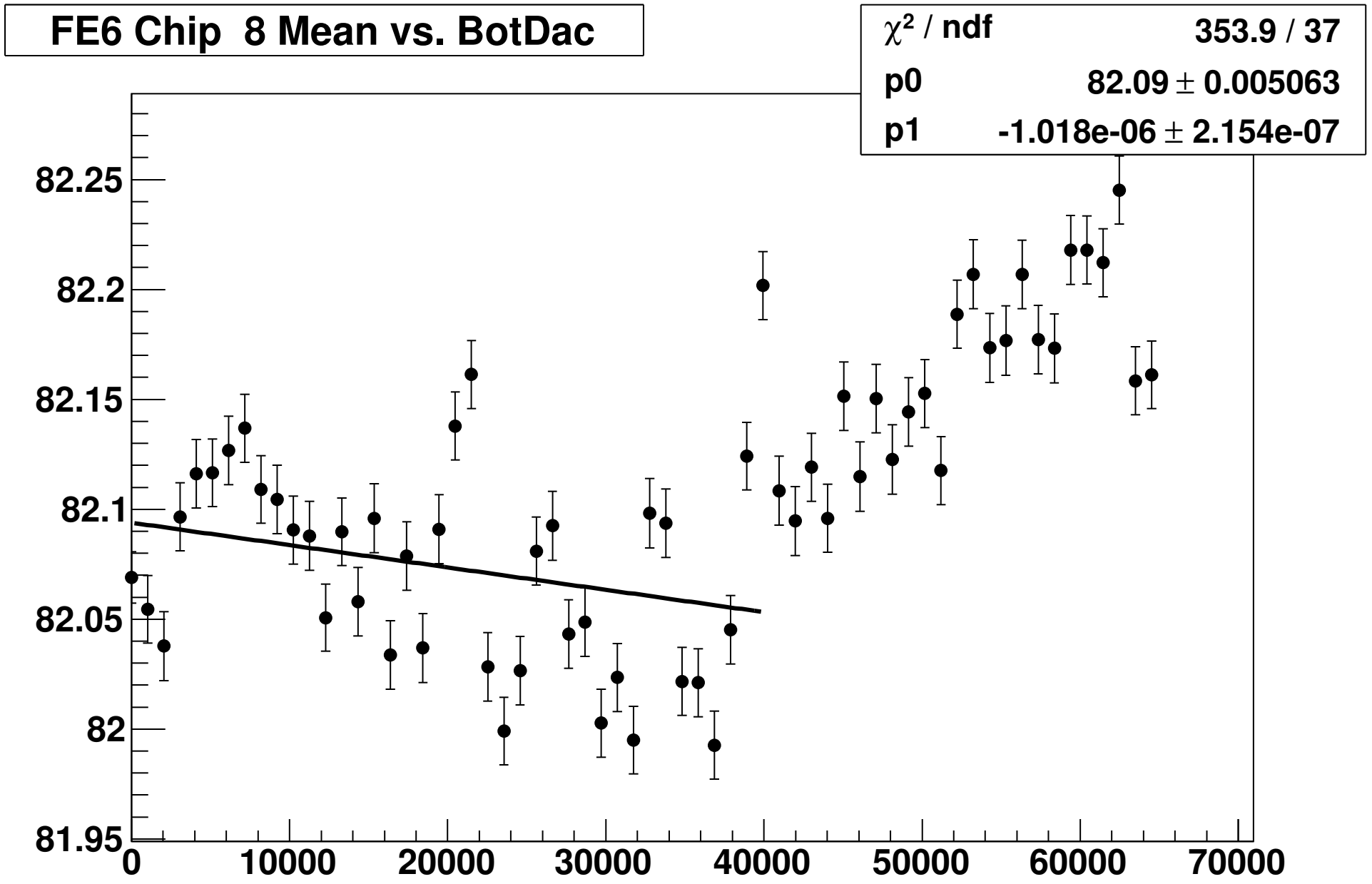
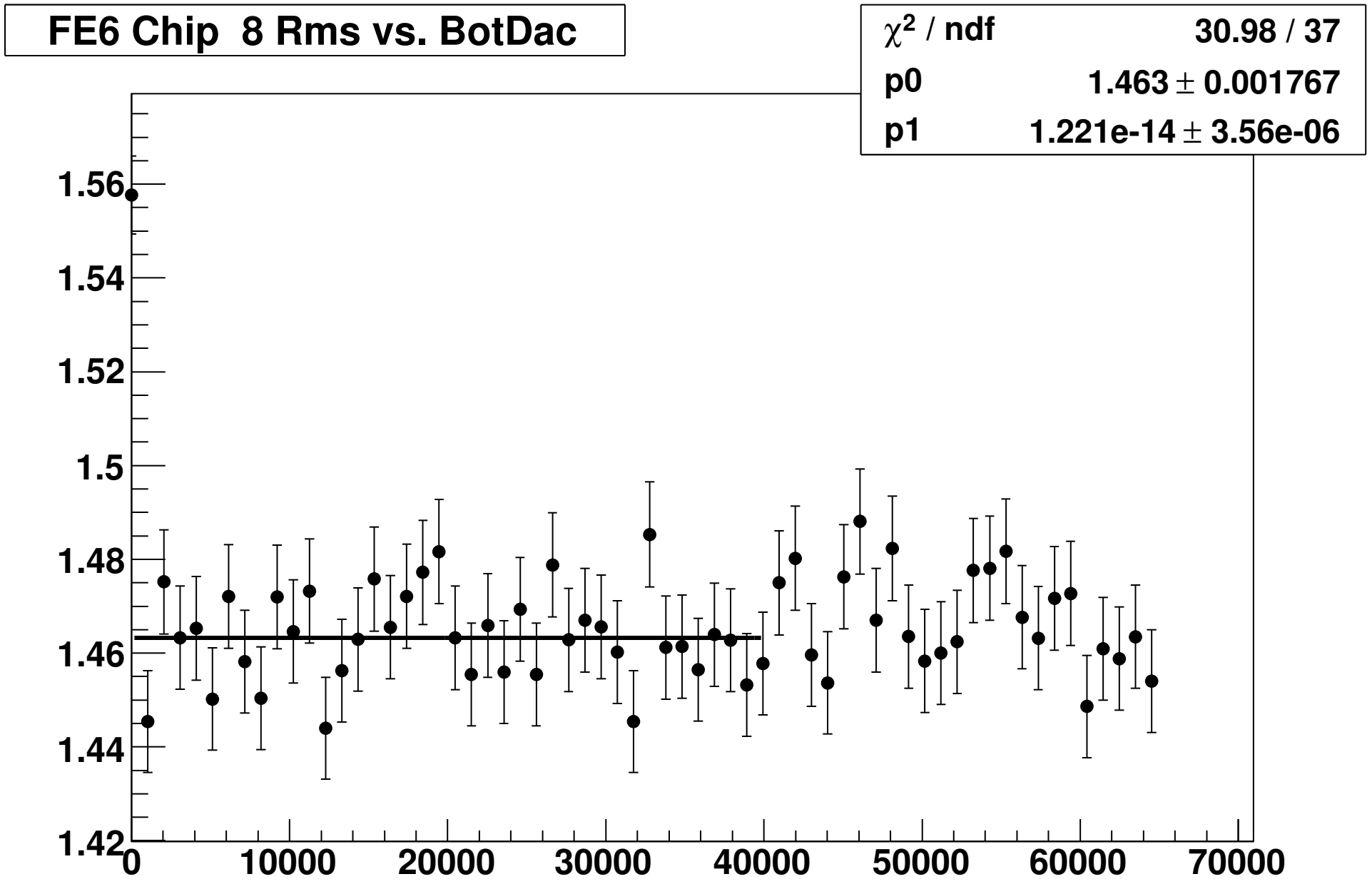
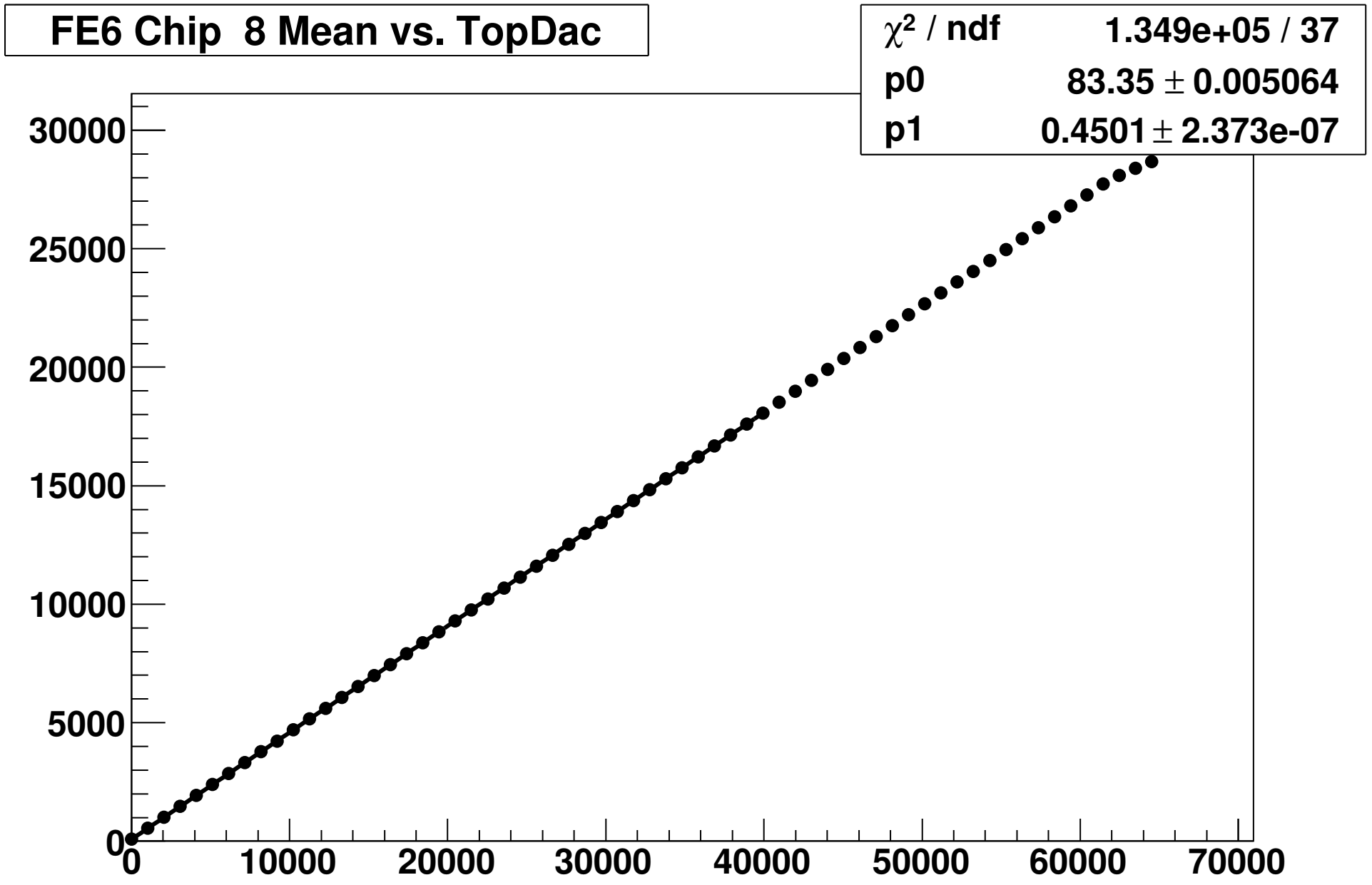
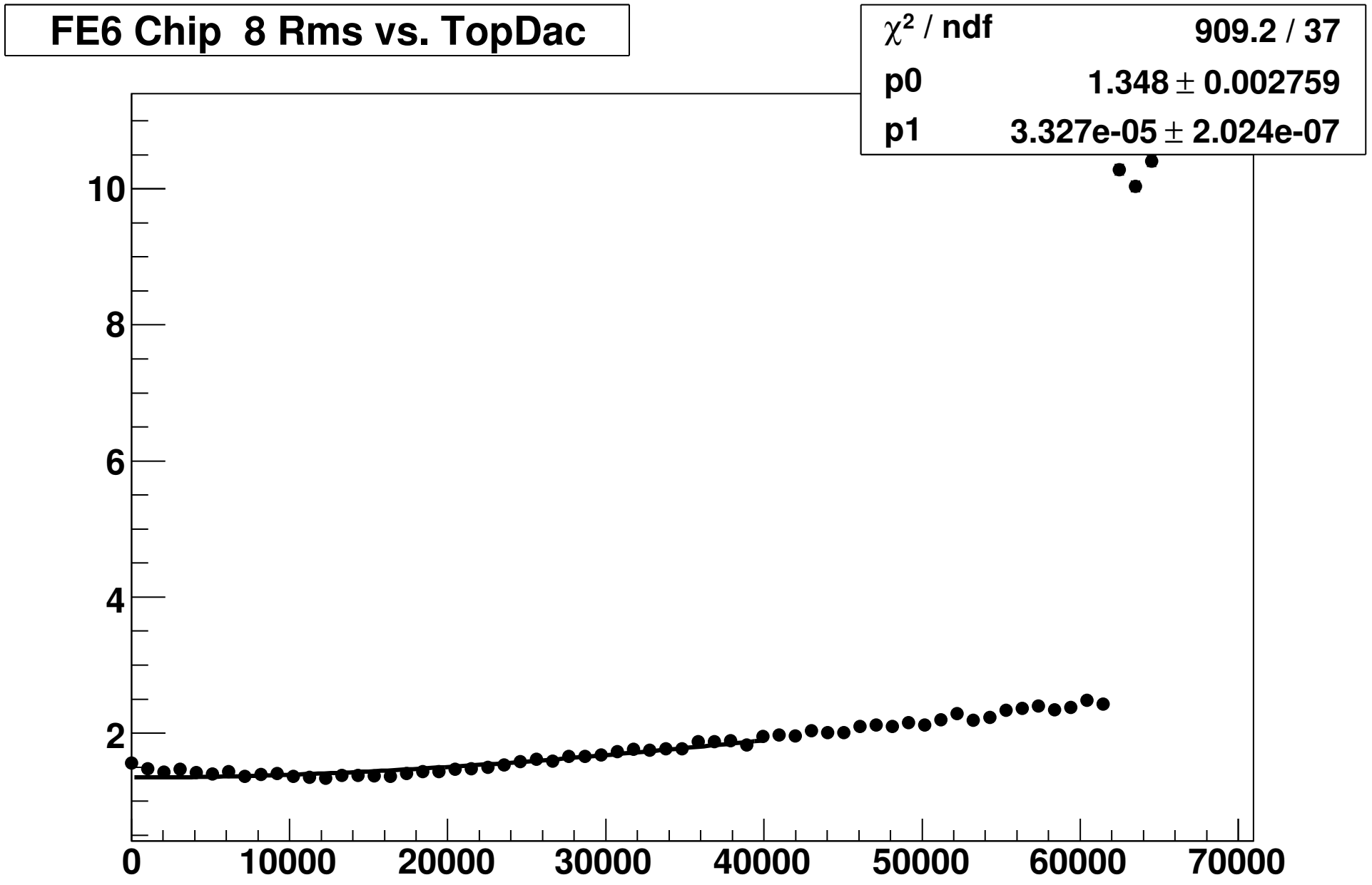
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

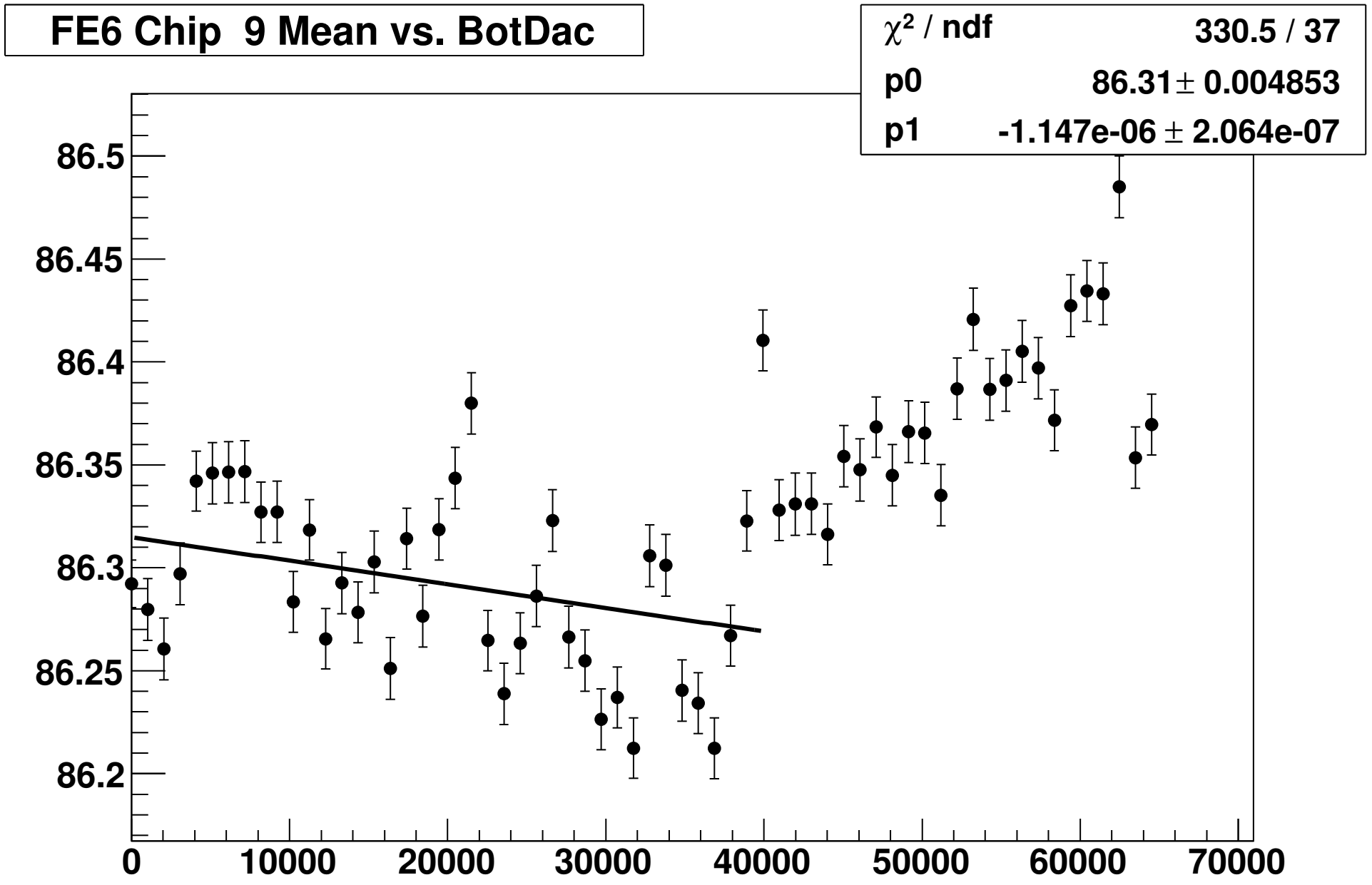

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 955.8 / 37
p0 1.341 ± 0.002763
p1 3.431e-05 ± 1.987e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

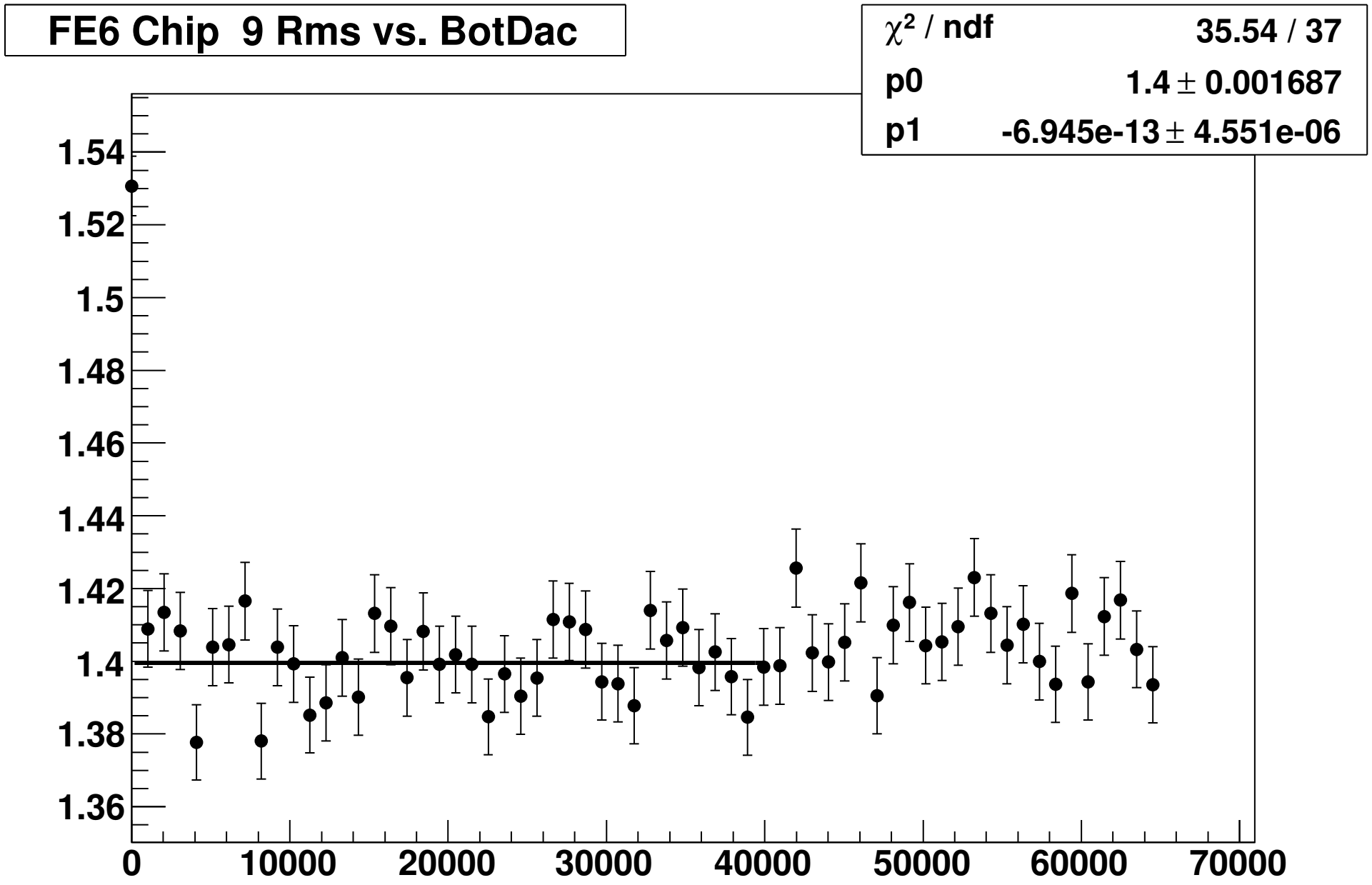

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 353.9 / 37
p0 82.09 ± 0.005063
p1 -1.018e-06 ± 2.154e-07
82.25
82.2
82.15
82.1
82.05
82
81.95
0
10000
20000
30000
40000
50000
60000
70000

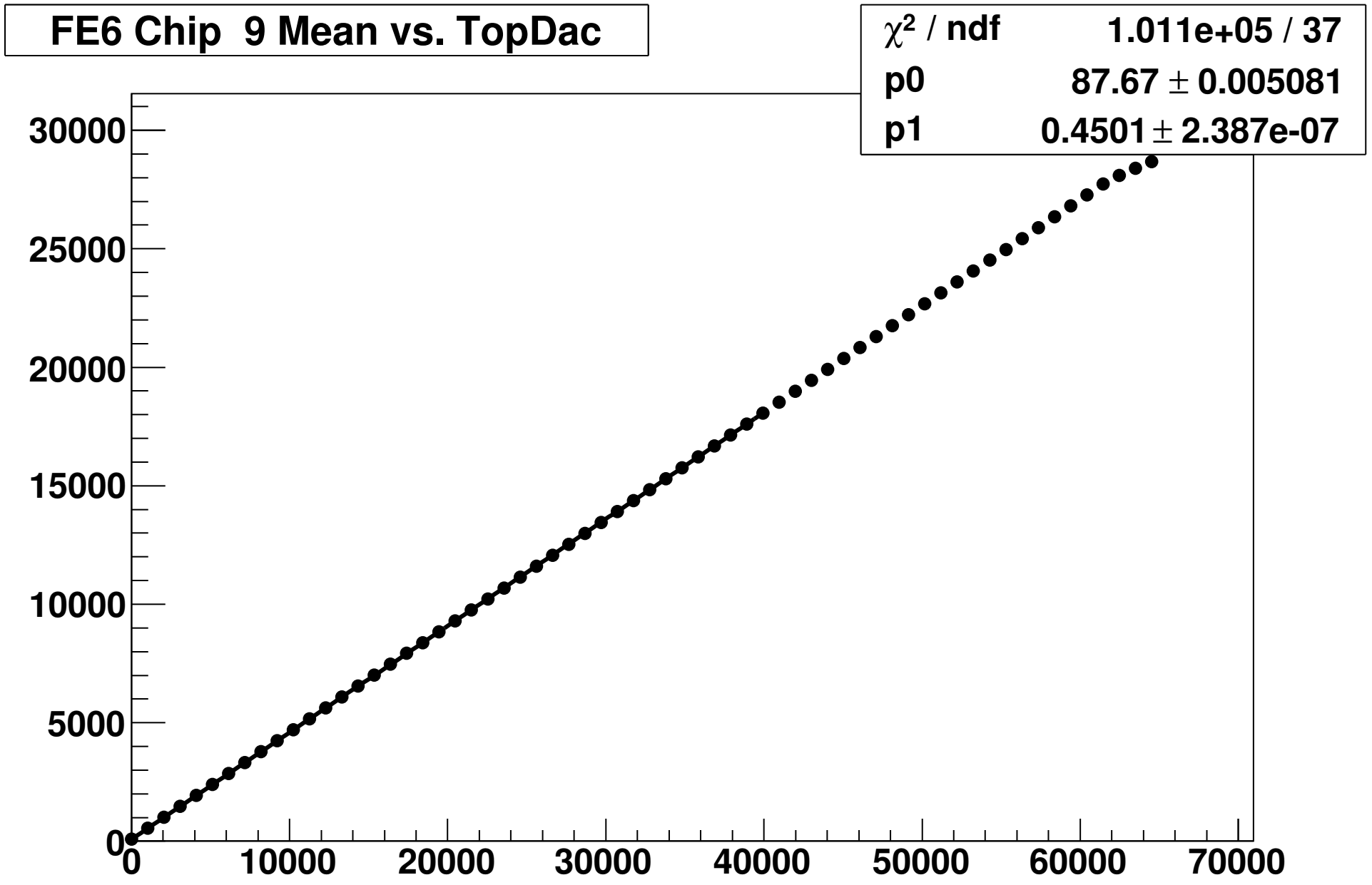

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 30.98 / 37
p0 1.463 ± 0.001767
p1 1.221e-14 ± 3.56e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

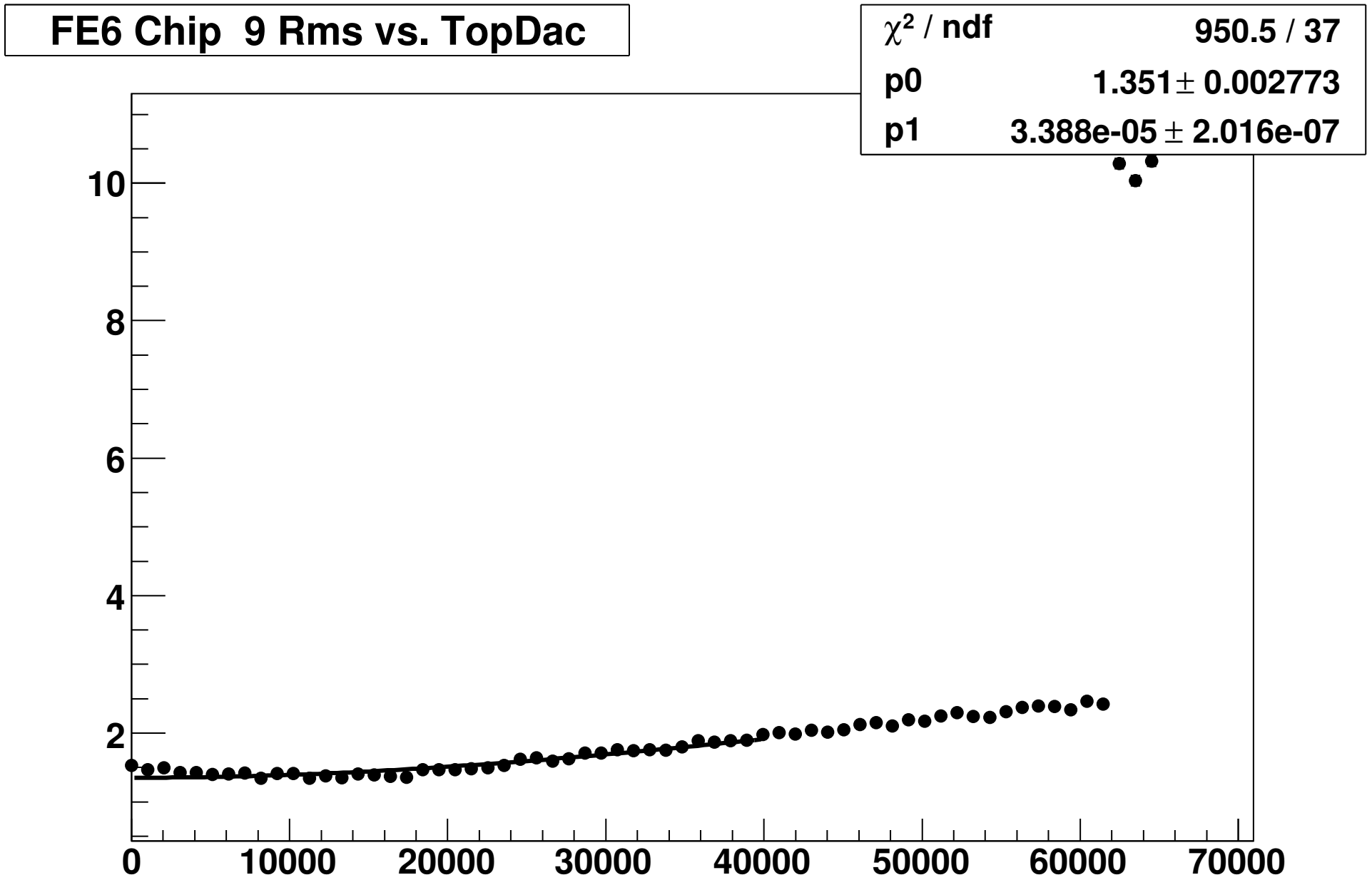

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.349e+05 / 37
p0 83.35 ± 0.005064
p1 0.4501 ± 2.373e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

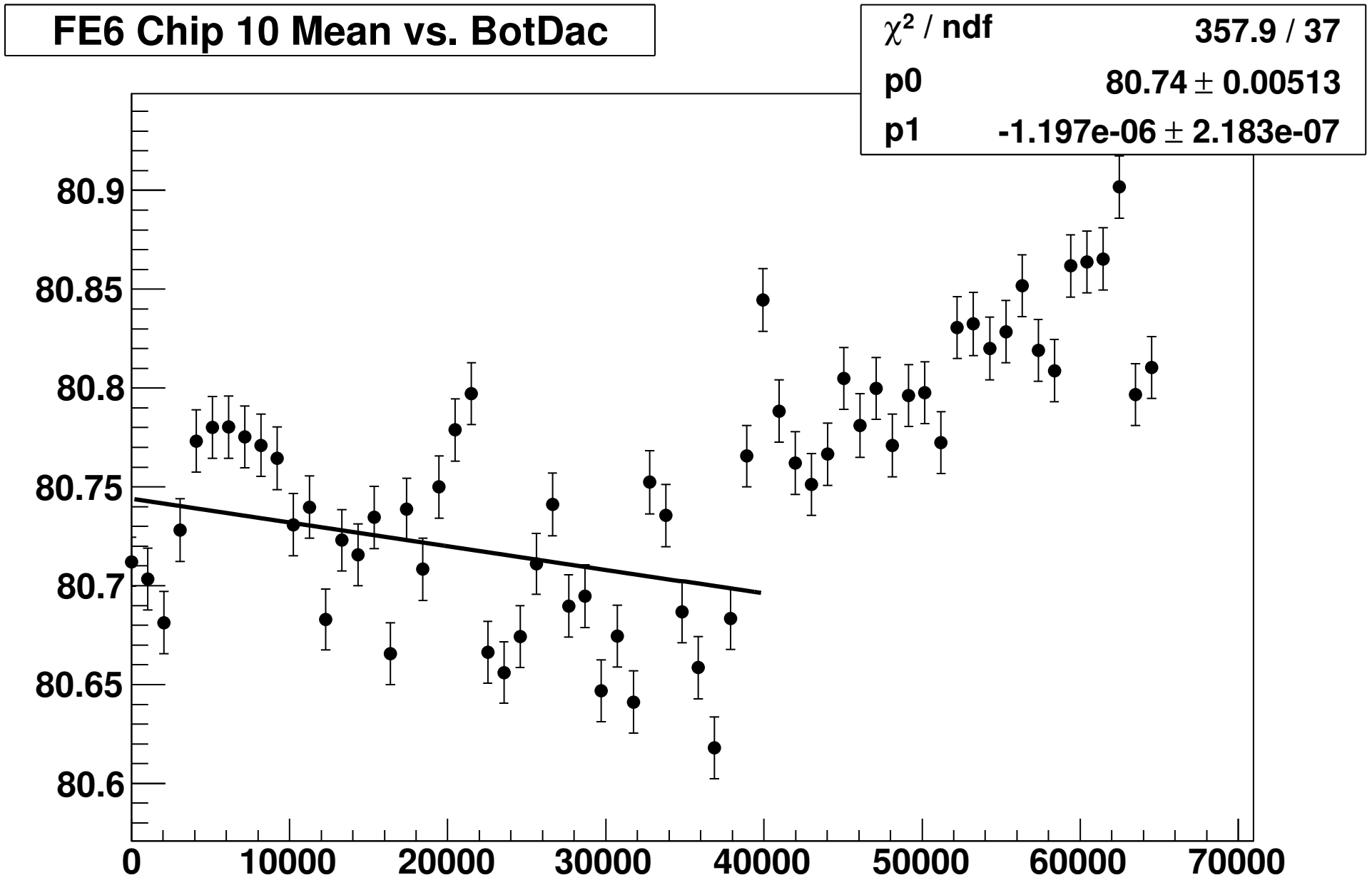

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 909.2 / 37
p0 1.348 ± 0.002759
p1 3.327e-05 ± 2.024e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

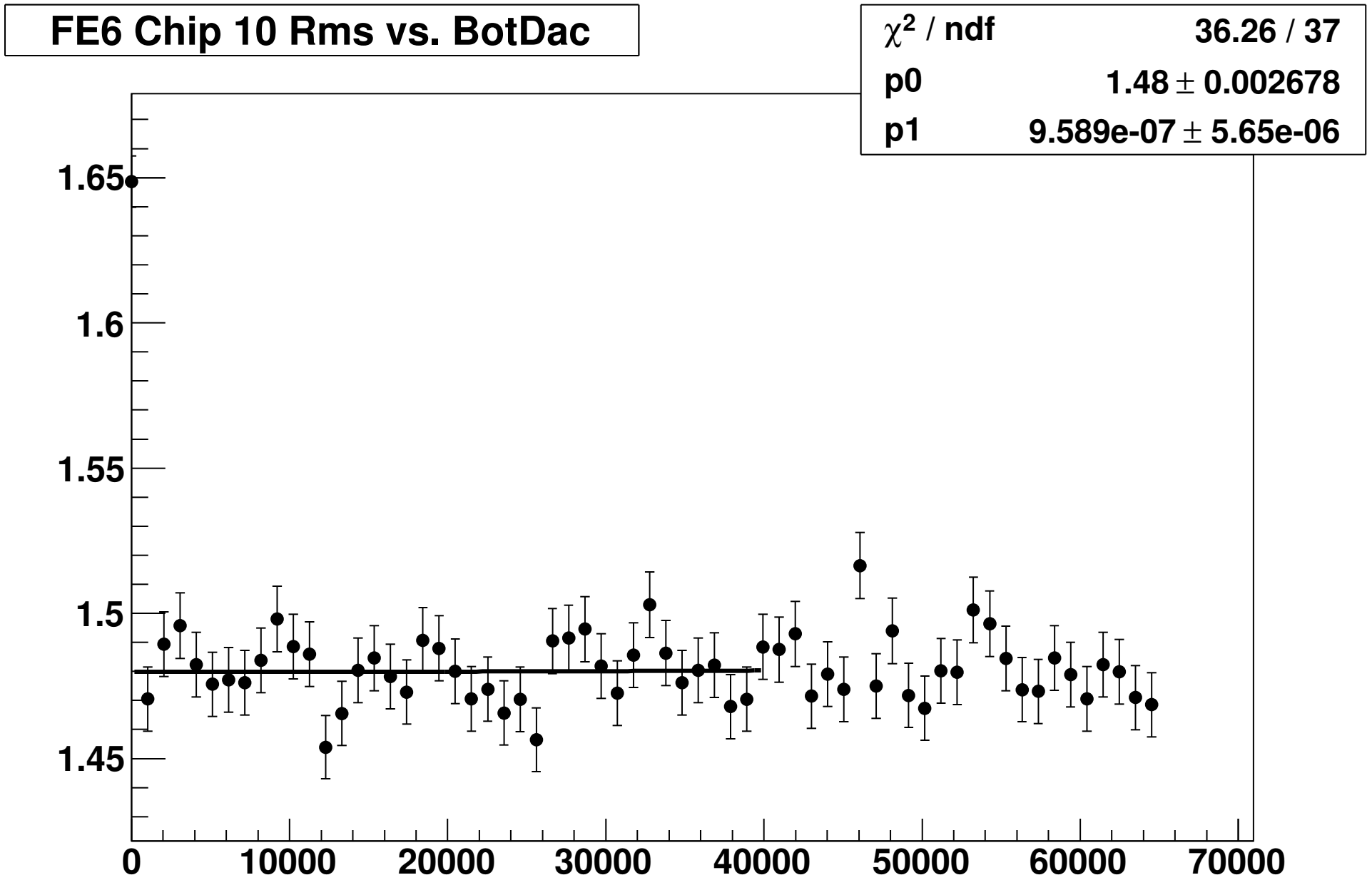

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 330.5 / 37
p0 86.31 ± 0.004853
p1 -1.147e-06 ± 2.064e-07
86.5
86.45
86.4
86.35
86.3
86.25
86.2
0
10000
20000
30000
40000
50000
60000
70000

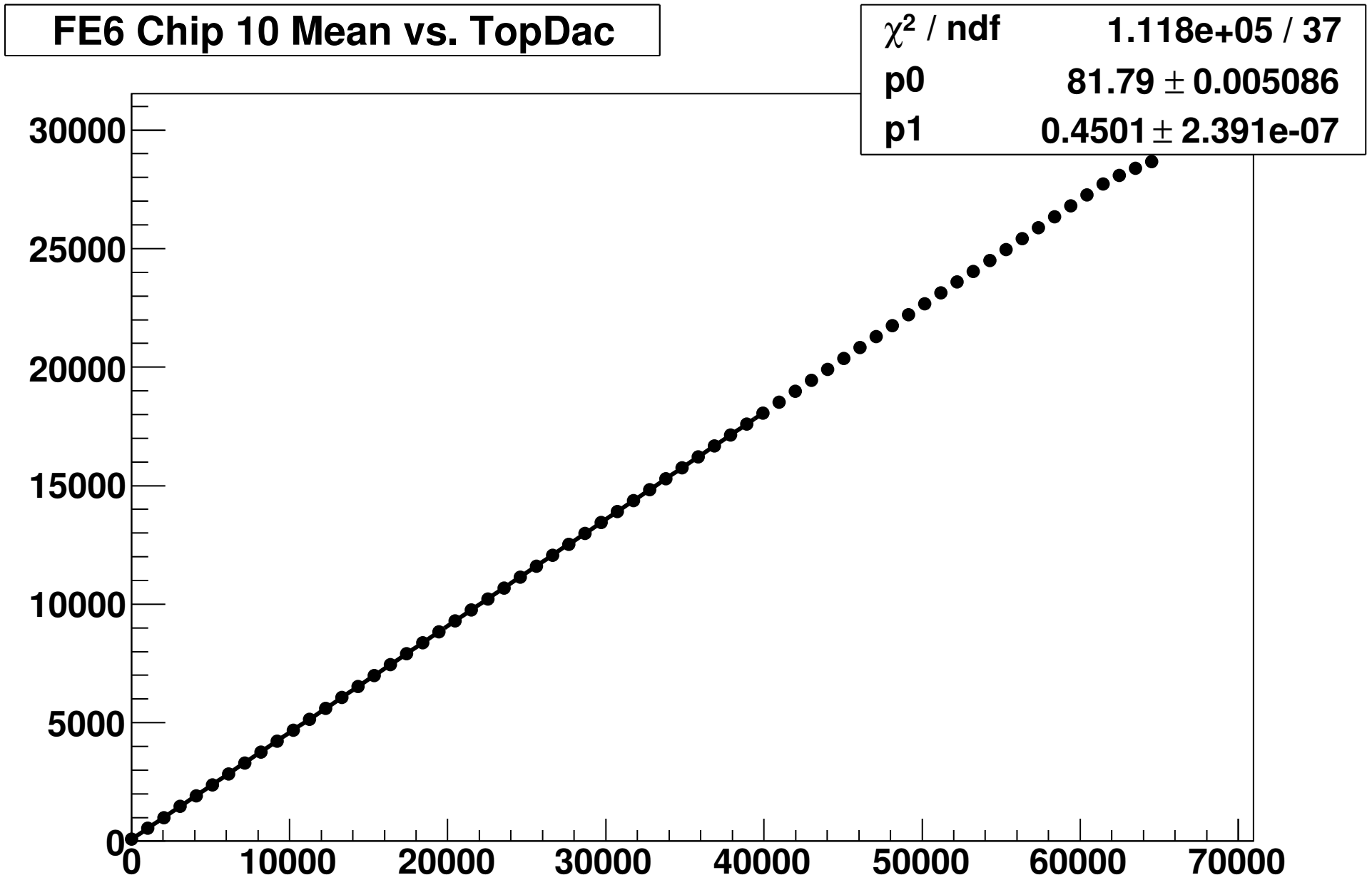

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 35.54 / 37
p0 1.4 ± 0.001687
p1 -6.945e-13 ± 4.551e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000

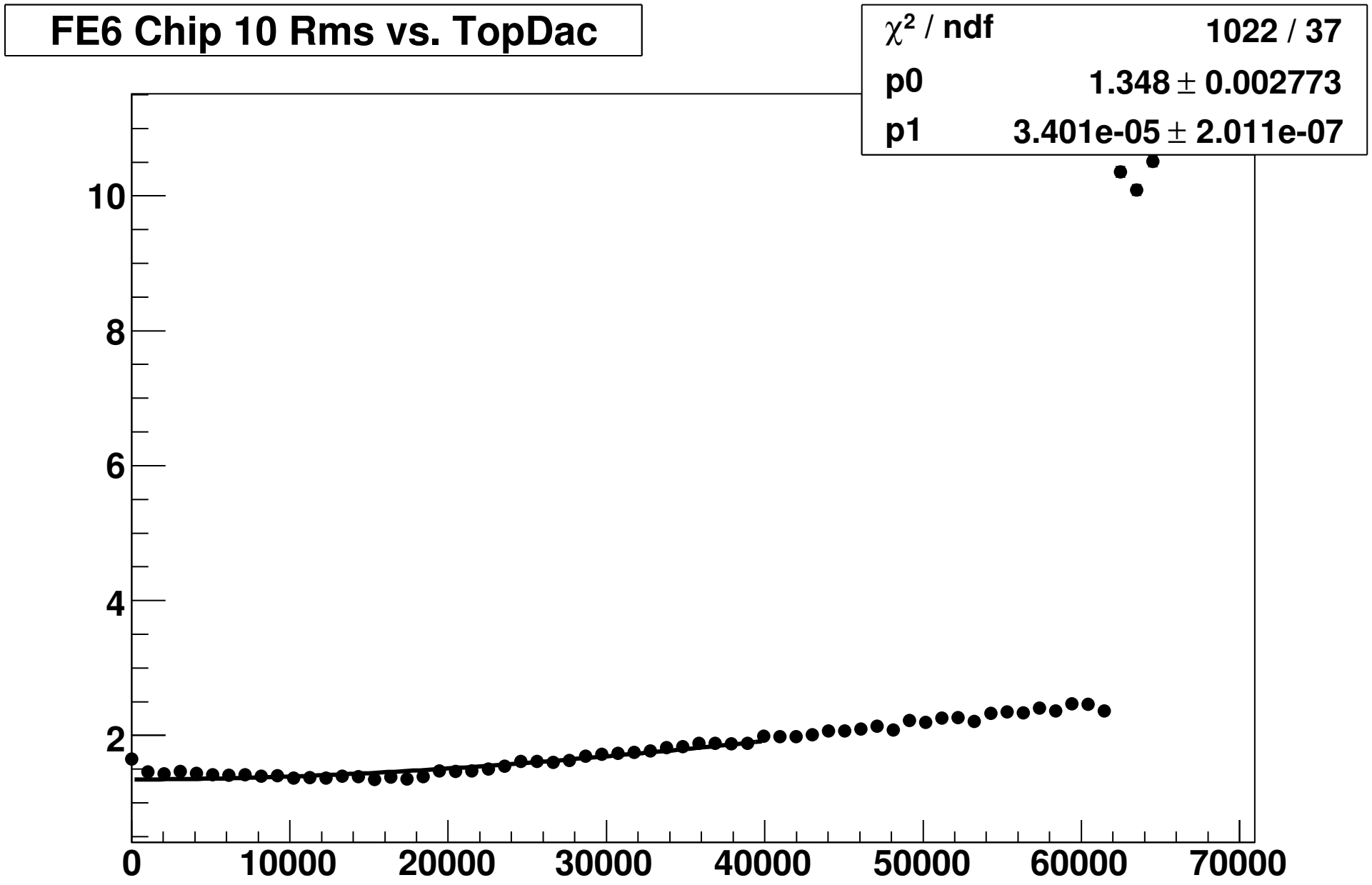

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.011e+05 / 37
p0 87.67 ± 0.005081
p1 0.4501 ± 2.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

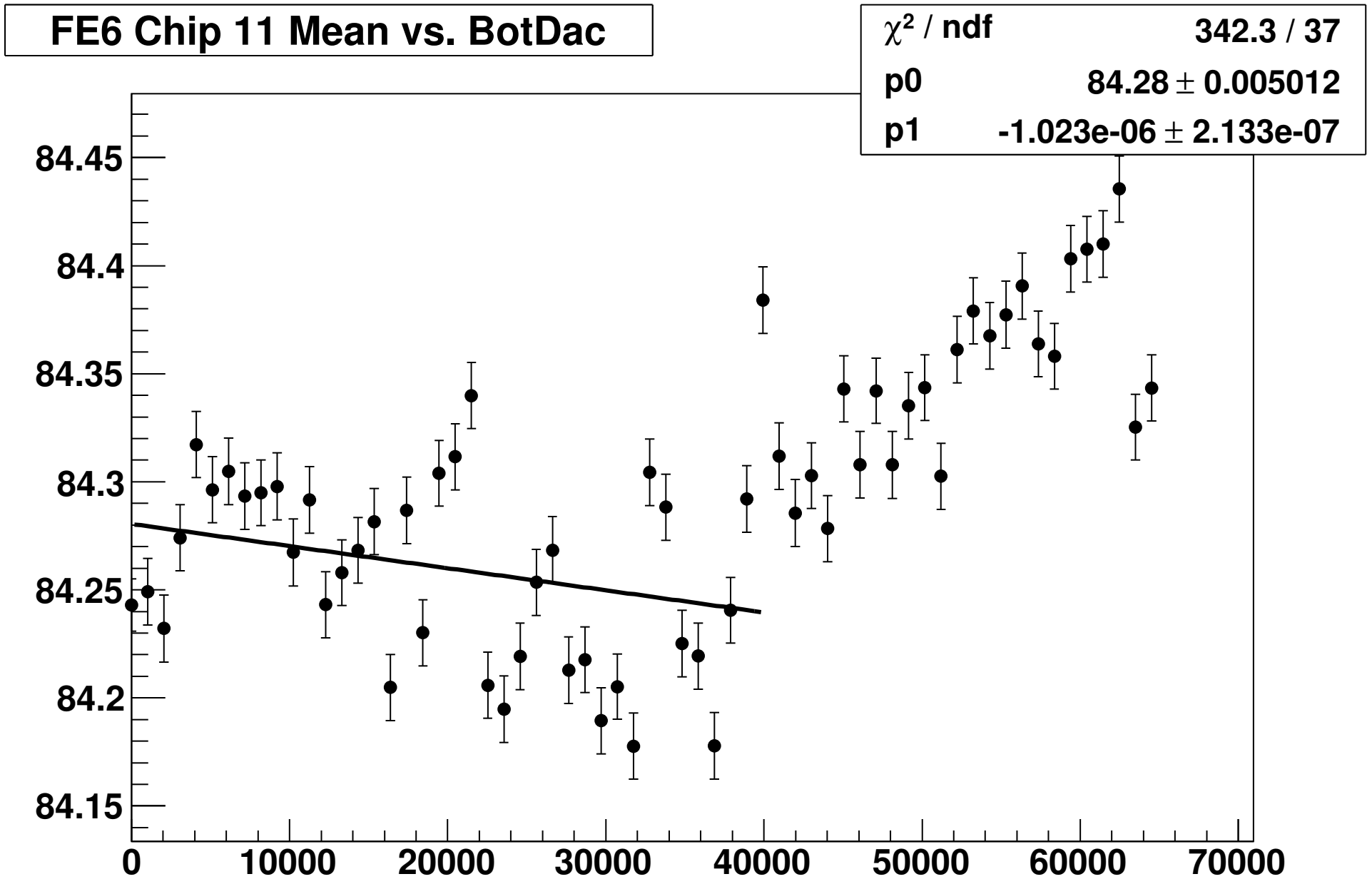

FE6 Chip 9 Rms vs. TopDac
χ² / ndf 950.5 / 37
p0 1.351 ± 0.002773
p1 3.388e-05 ± 2.016e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

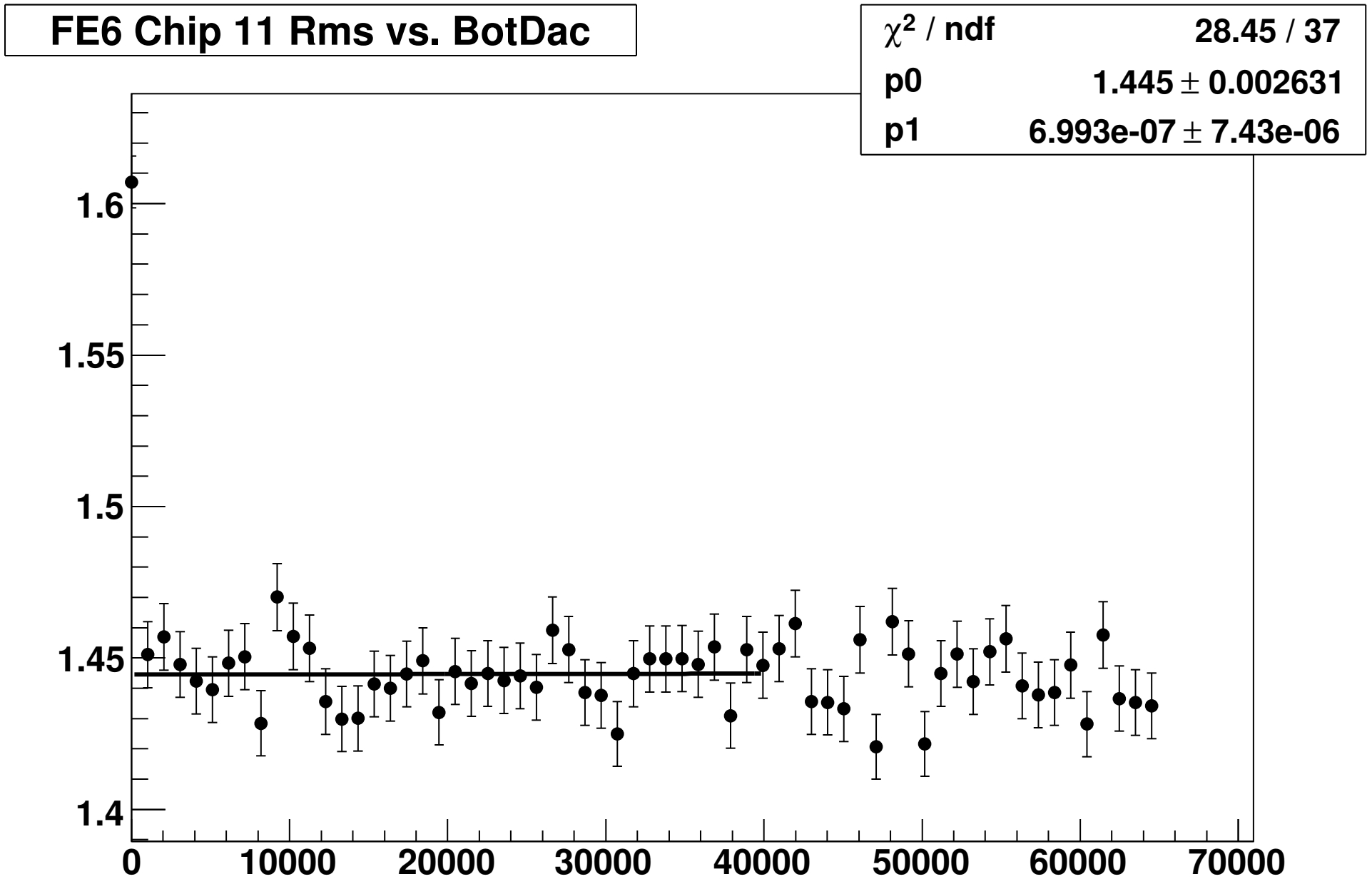

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 357.9 / 37
p0 80.74 ± 0.00513
p1 -1.197e-06 ± 2.183e-07
80.9
80.85
80.8
80.75
80.7
80.65
80.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 36.26 / 37
p0 1.48 ± 0.002678
p1 9.589e-07 ± 5.65e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.118e+05 / 37
p0 81.79 ± 0.005086
p1 0.4501 ± 2.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1022 / 37
p0 1.348 ± 0.002773
p1 3.401e-05 ± 2.011e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 342.3 / 37
p0 84.28 ± 0.005012
p1 -1.023e-06 ± 2.133e-07
84.45
84.4
84.35
84.3
84.25
84.2
84.15
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 28.45 / 37
p0 1.445 ± 0.002631
p1 6.993e-07 ± 7.43e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
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50000
60000
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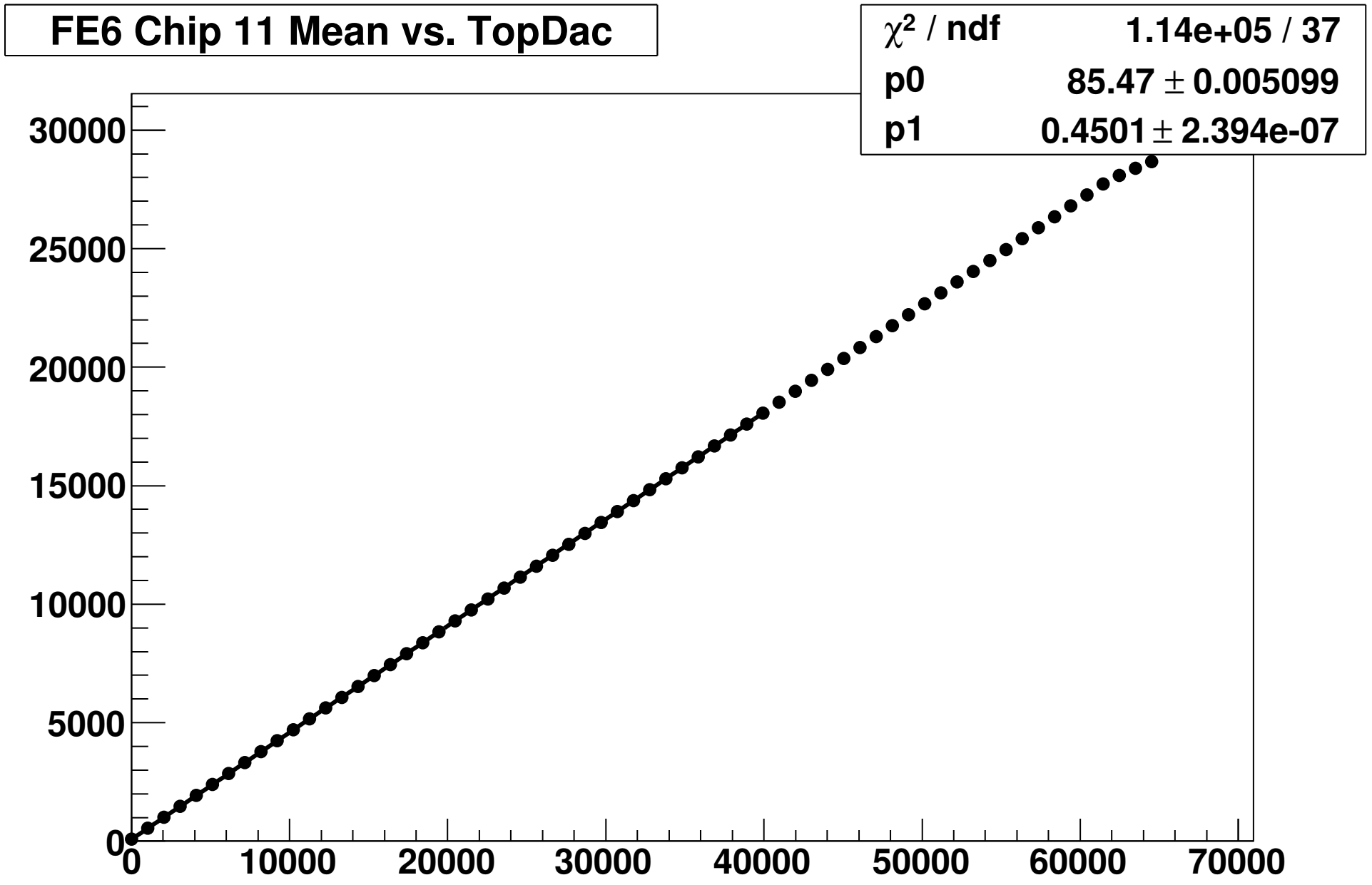
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.14e+05 / 37
p0 85.47 ± 0.005099
p1 0.4501 ± 2.394e-07
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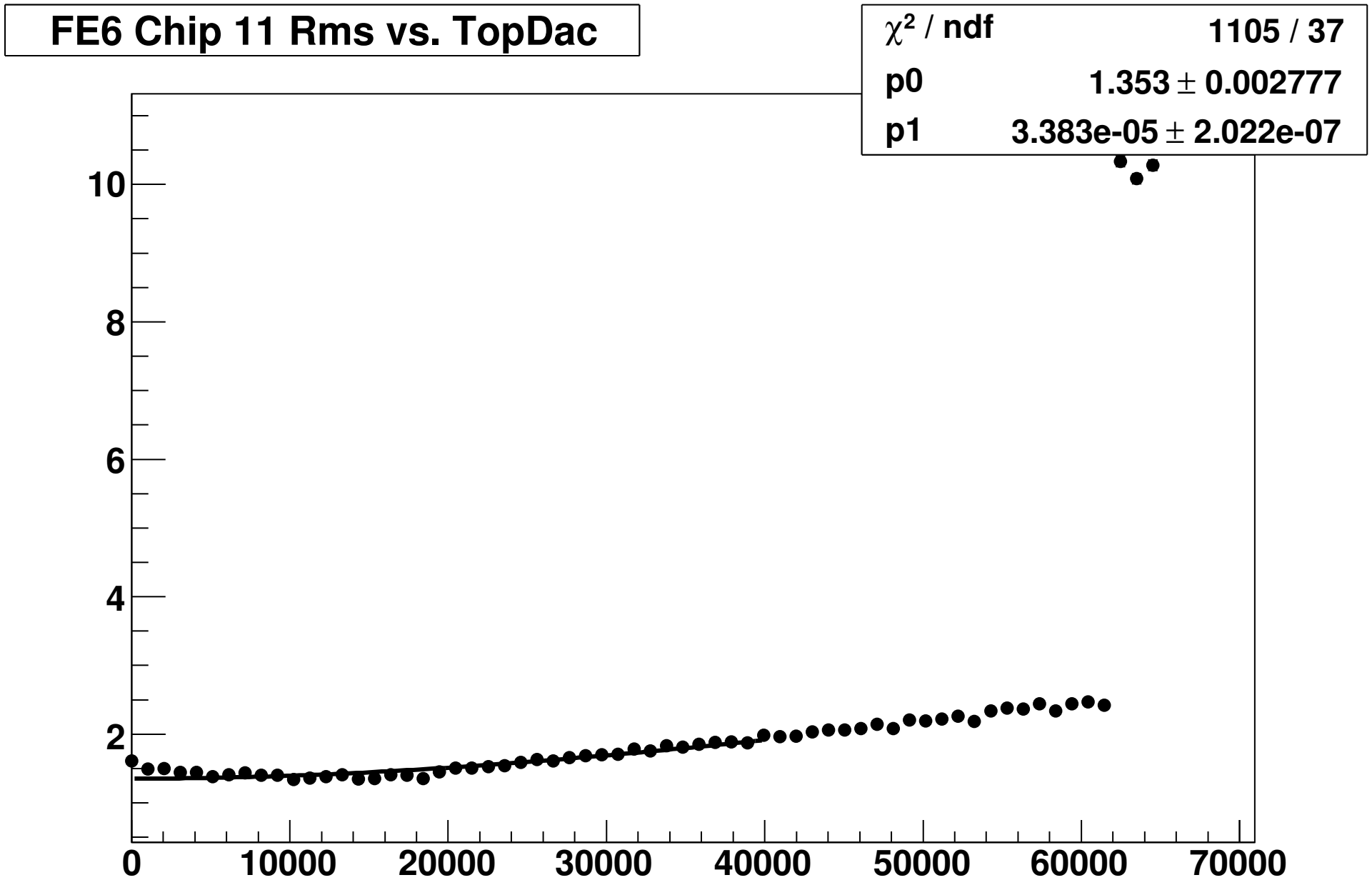
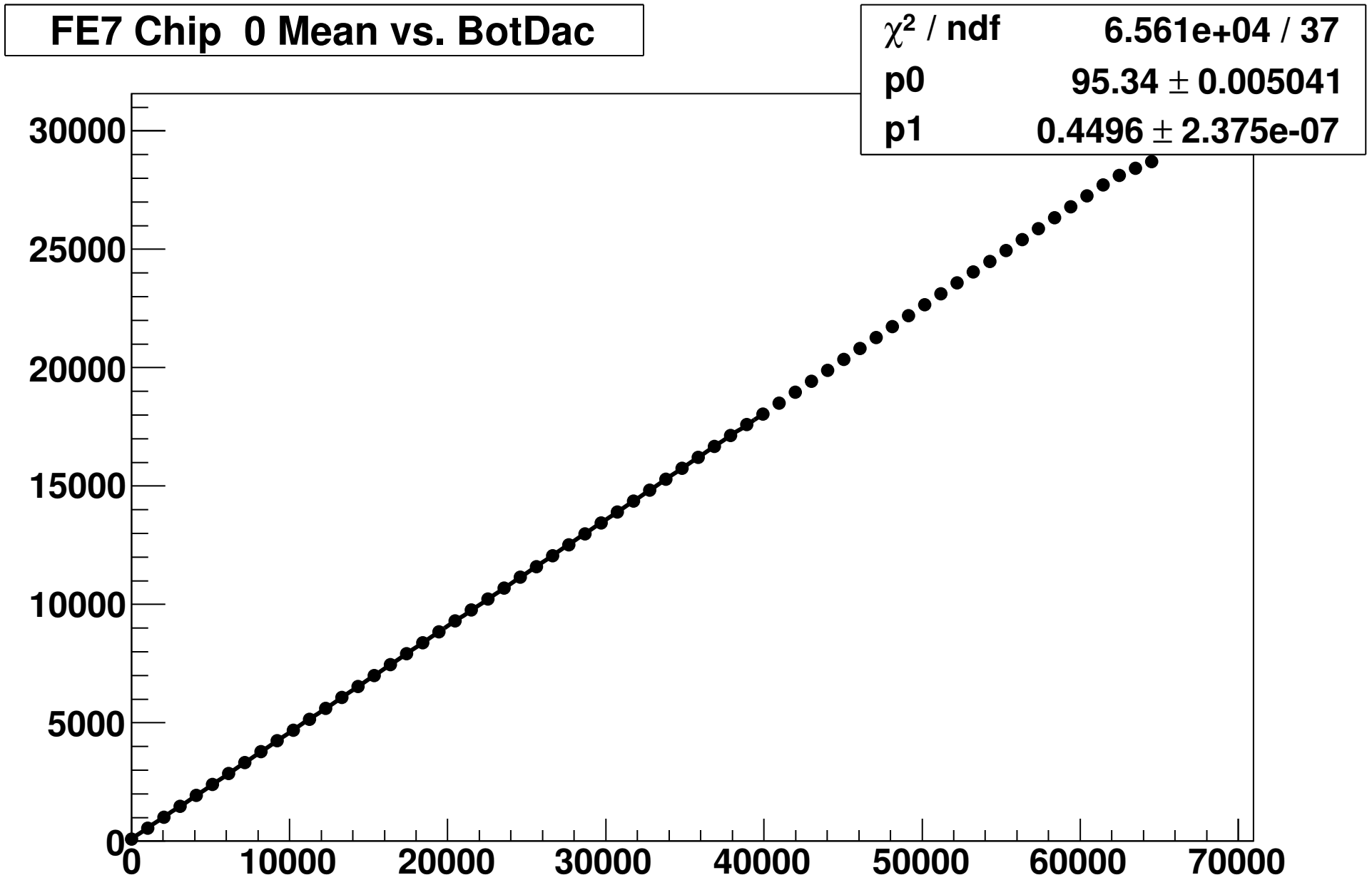
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1105 / 37
p0 1.353 ± 0.002777
p1 3.383e-05 ± 2.022e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 6.561e+04 / 37
p0 95.34 ± 0.005041
p1 0.4496 ± 2.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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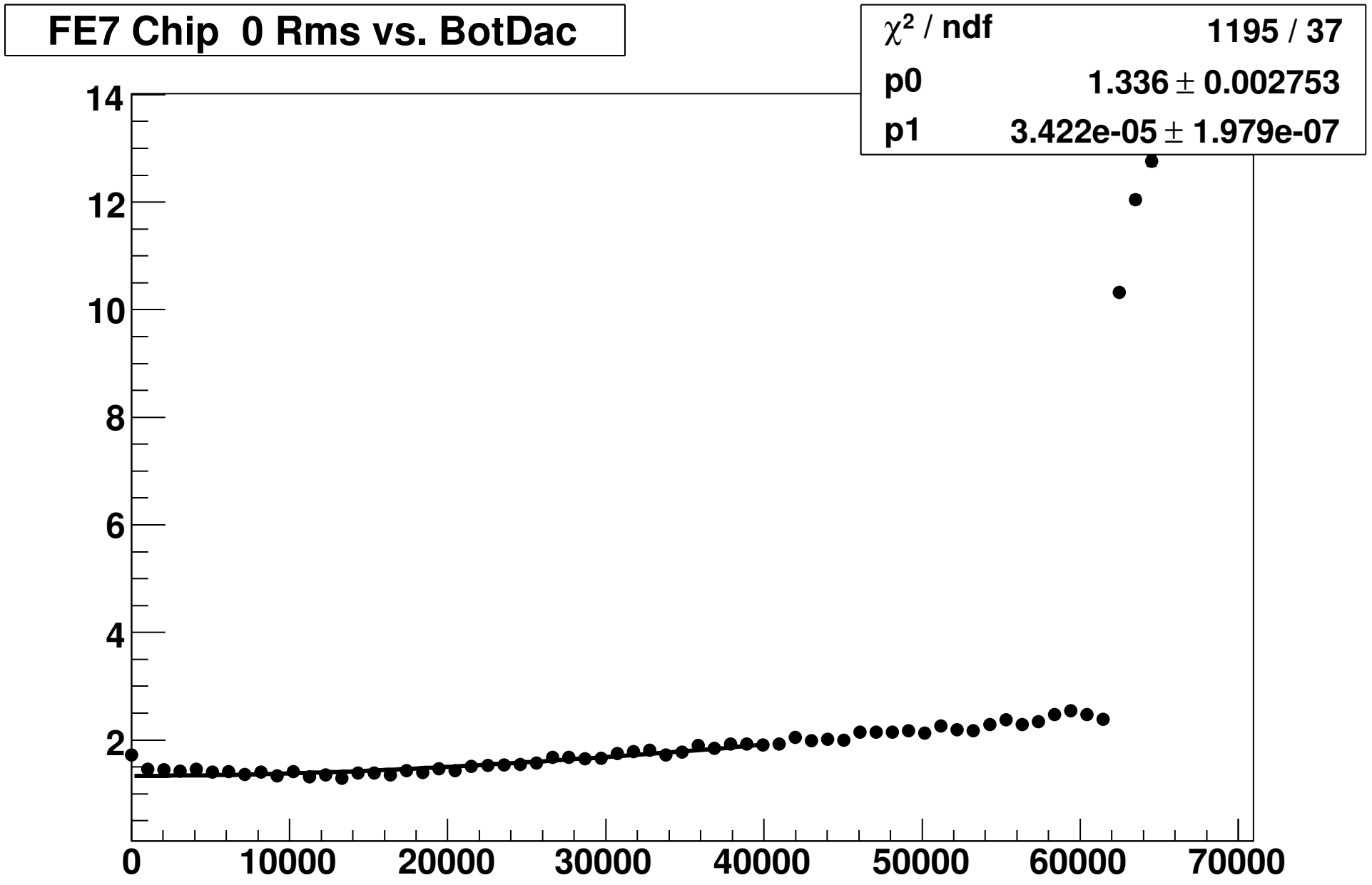
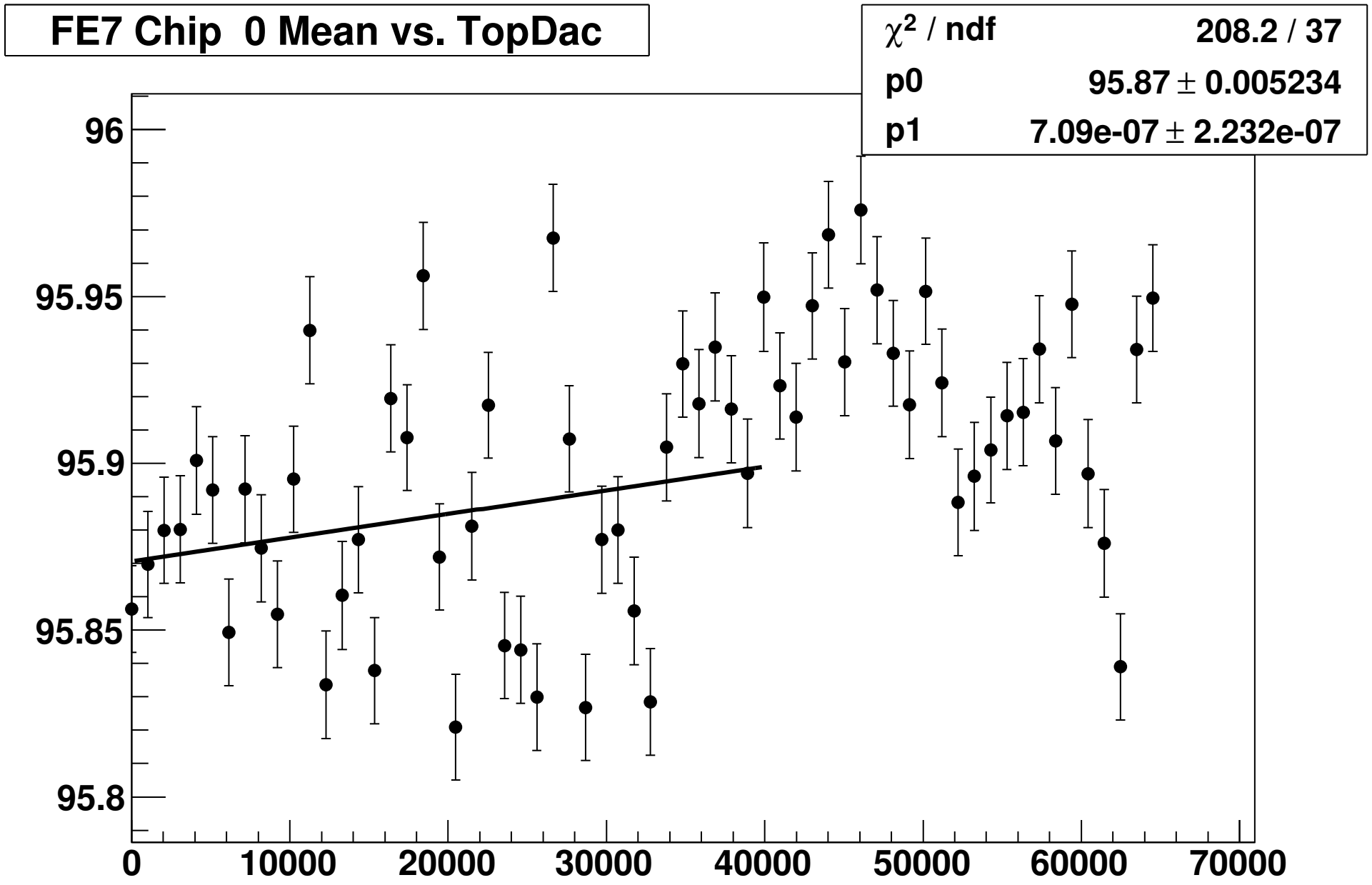
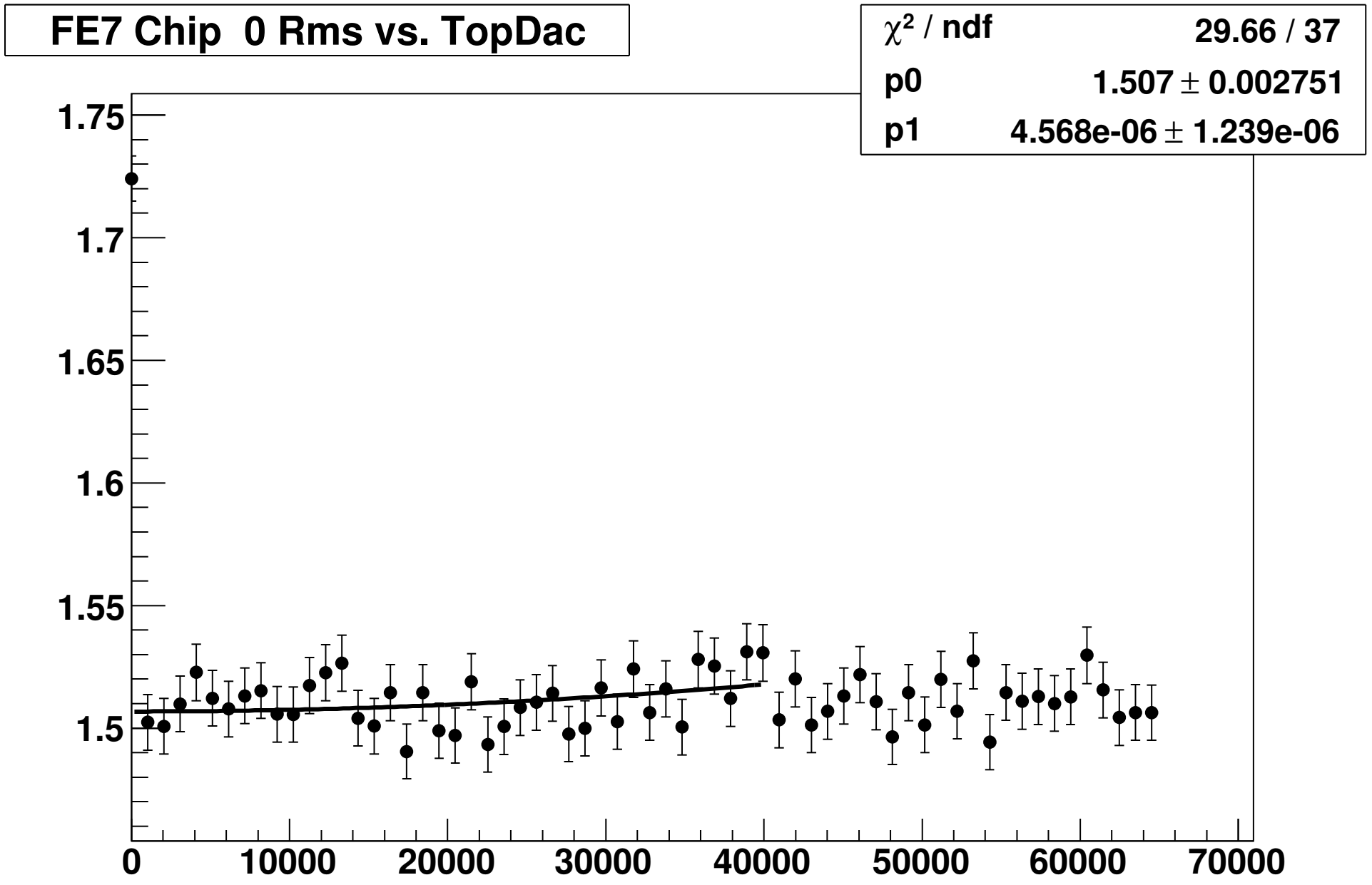
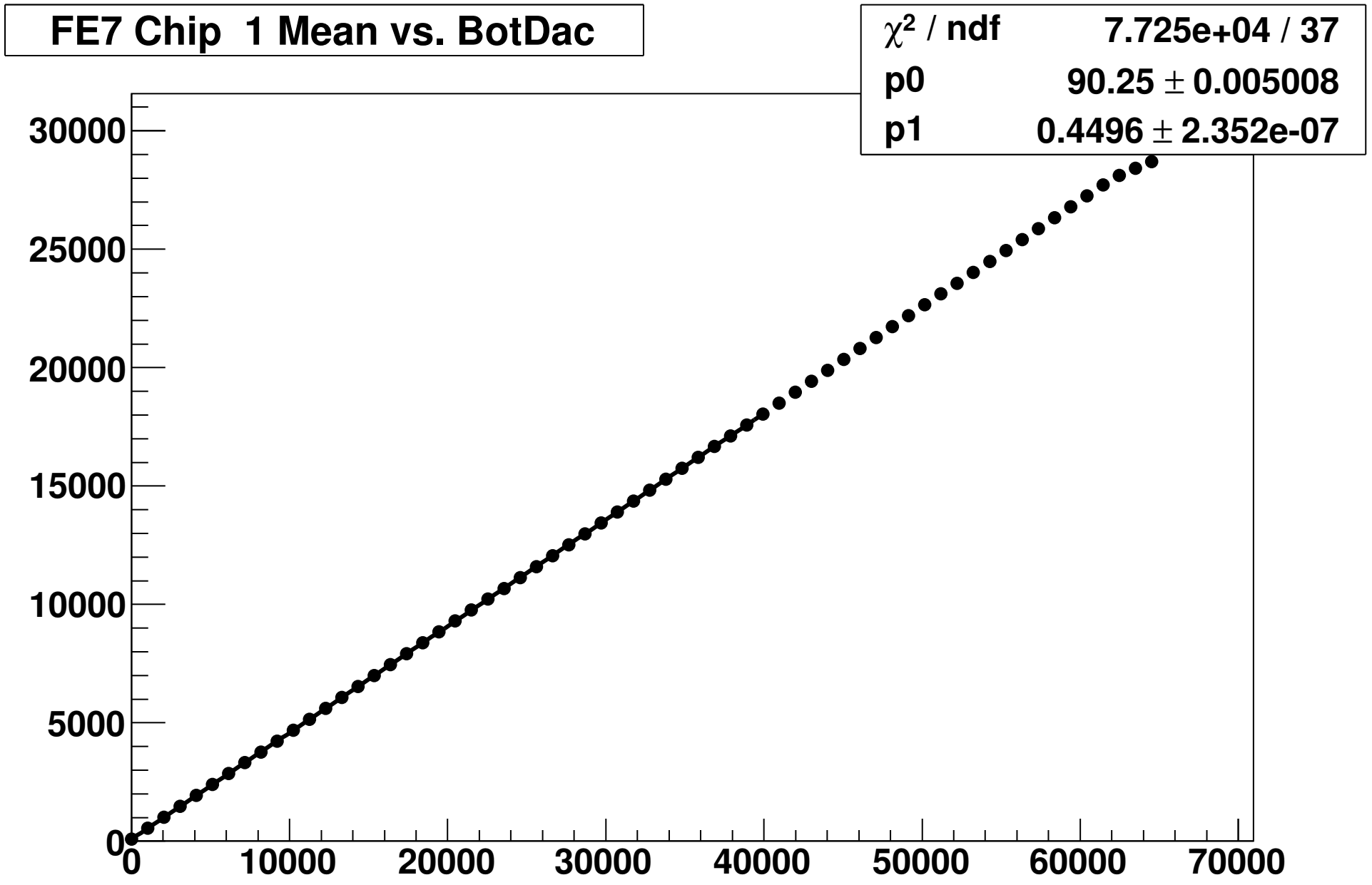
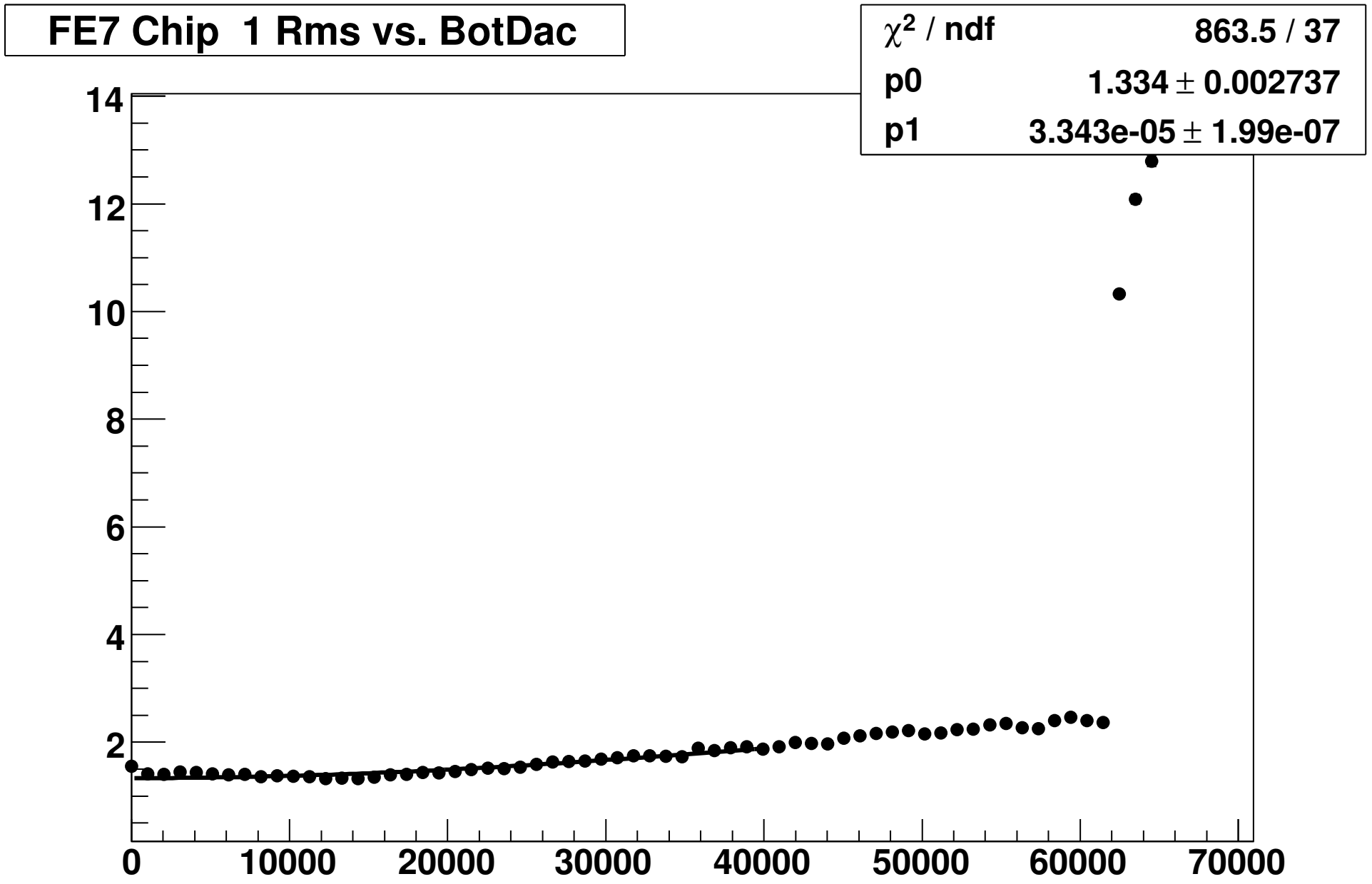
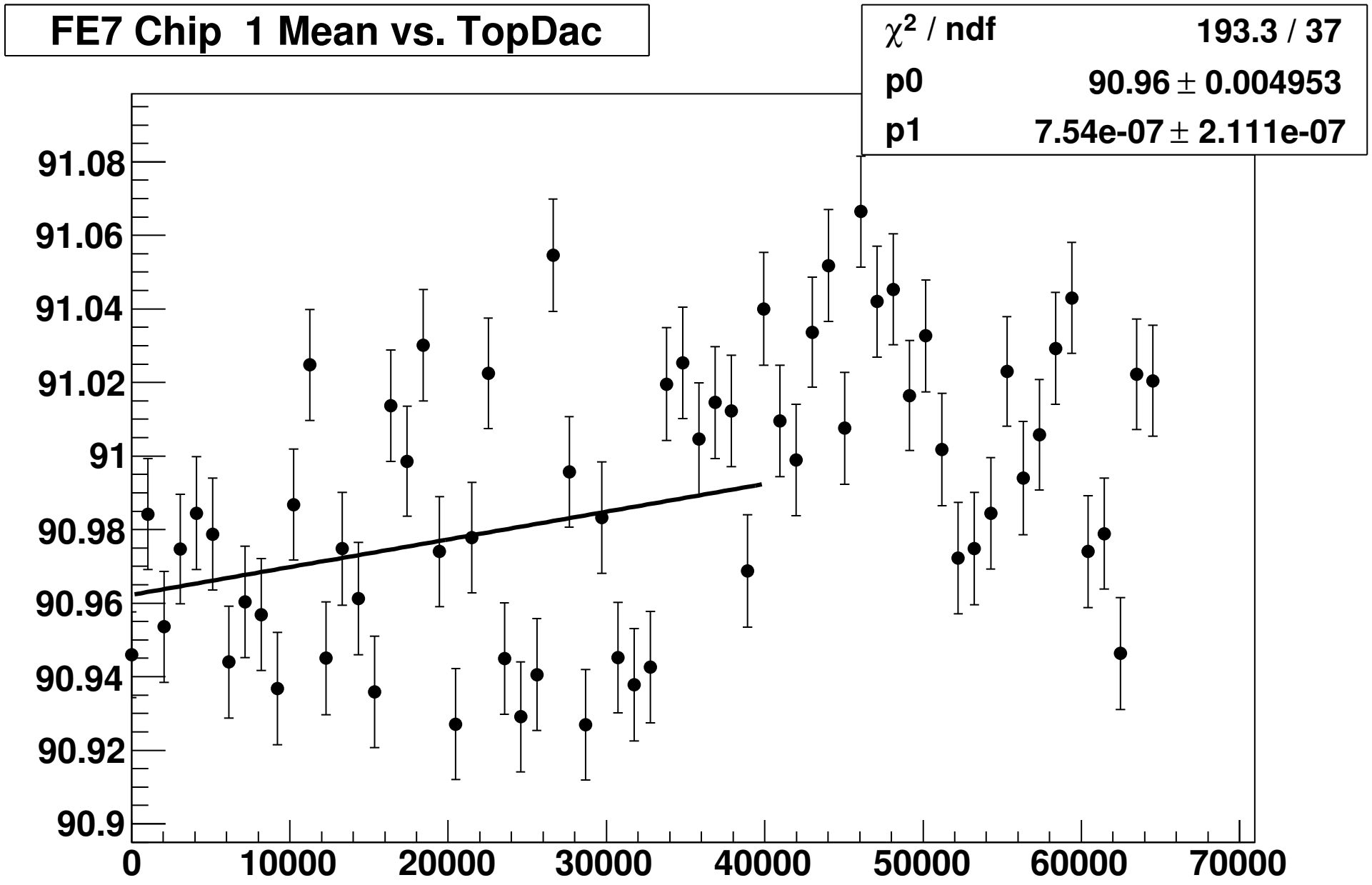

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1195 / 37
p0 1.336 ± 0.002753
p1 3.422e-05 ± 1.979e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

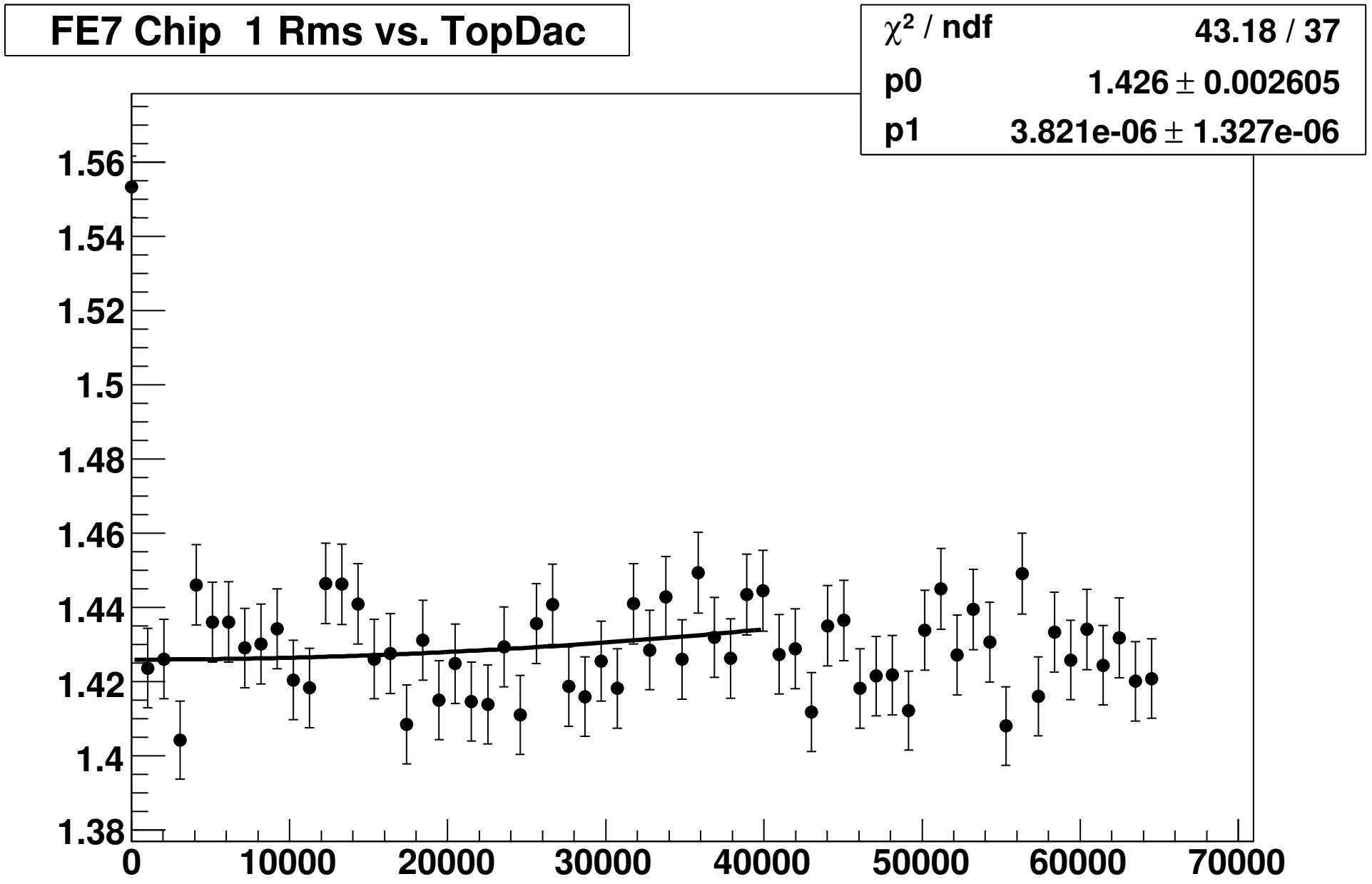

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 208.2 / 37
p0 95.87 ± 0.005234
p1 7.09e-07 ± 2.232e-07
96
95.95
95.9
95.85
95.8
0
10000
20000
30000
40000
50000
60000
70000

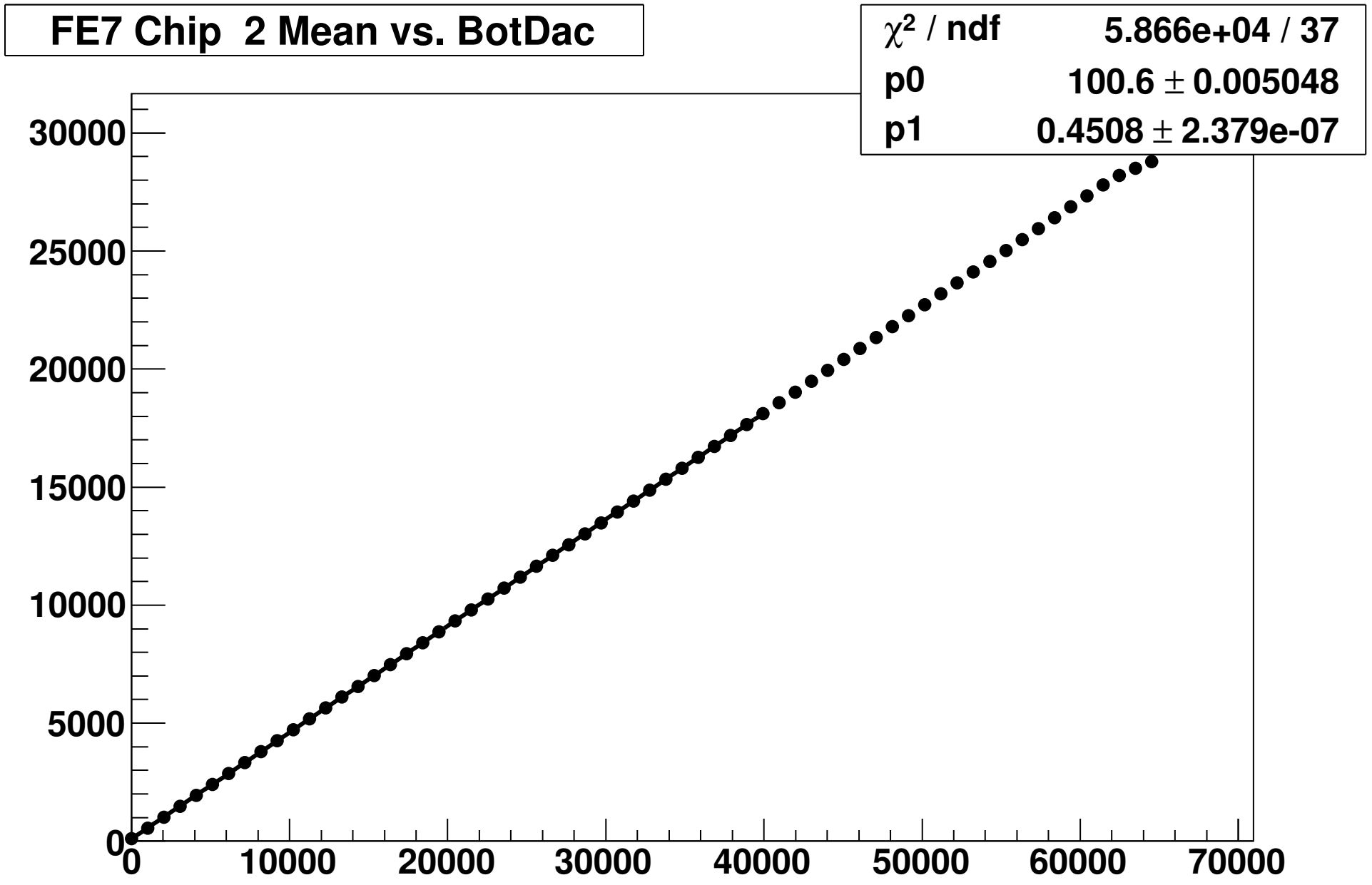

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 29.66 / 37
p0 1.507 ± 0.002751
p1 4.568e-06 ± 1.239e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000

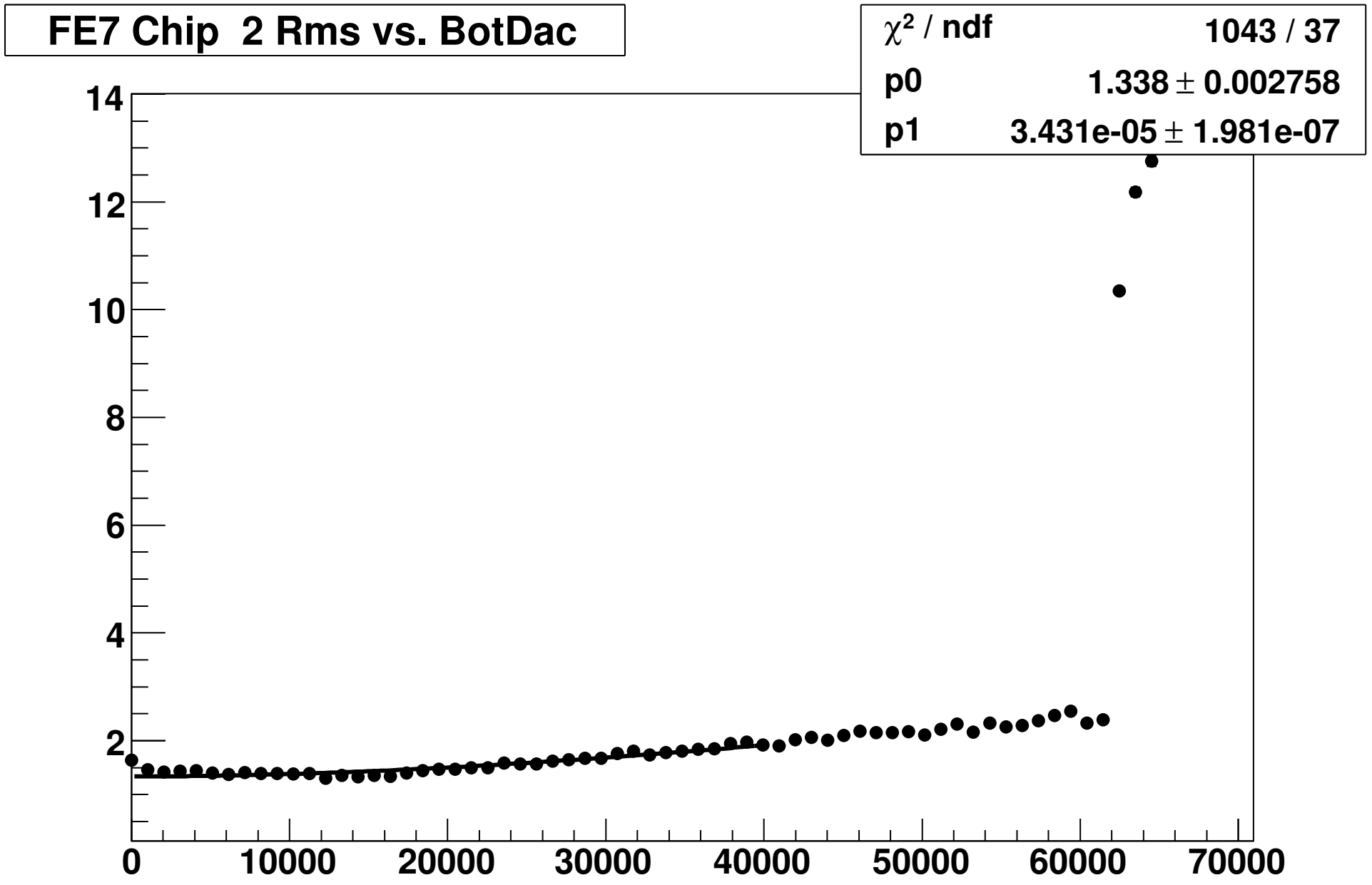

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 7.725e+04 / 37
p0 90.25 ± 0.005008
p1 0.4496 ± 2.352e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

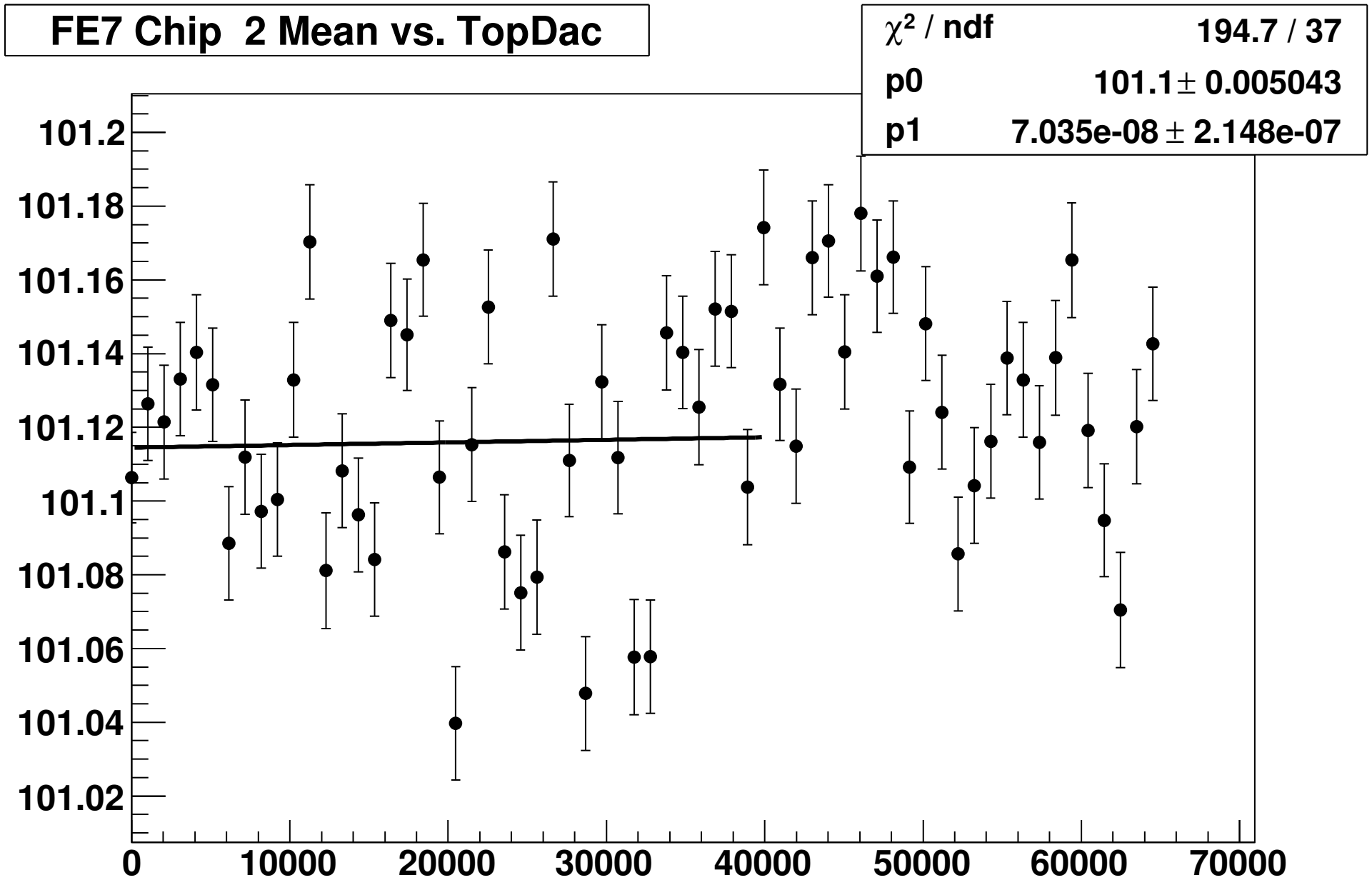

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 863.5 / 37
p0 1.334 ± 0.002737
p1 3.343e-05 ± 1.99e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

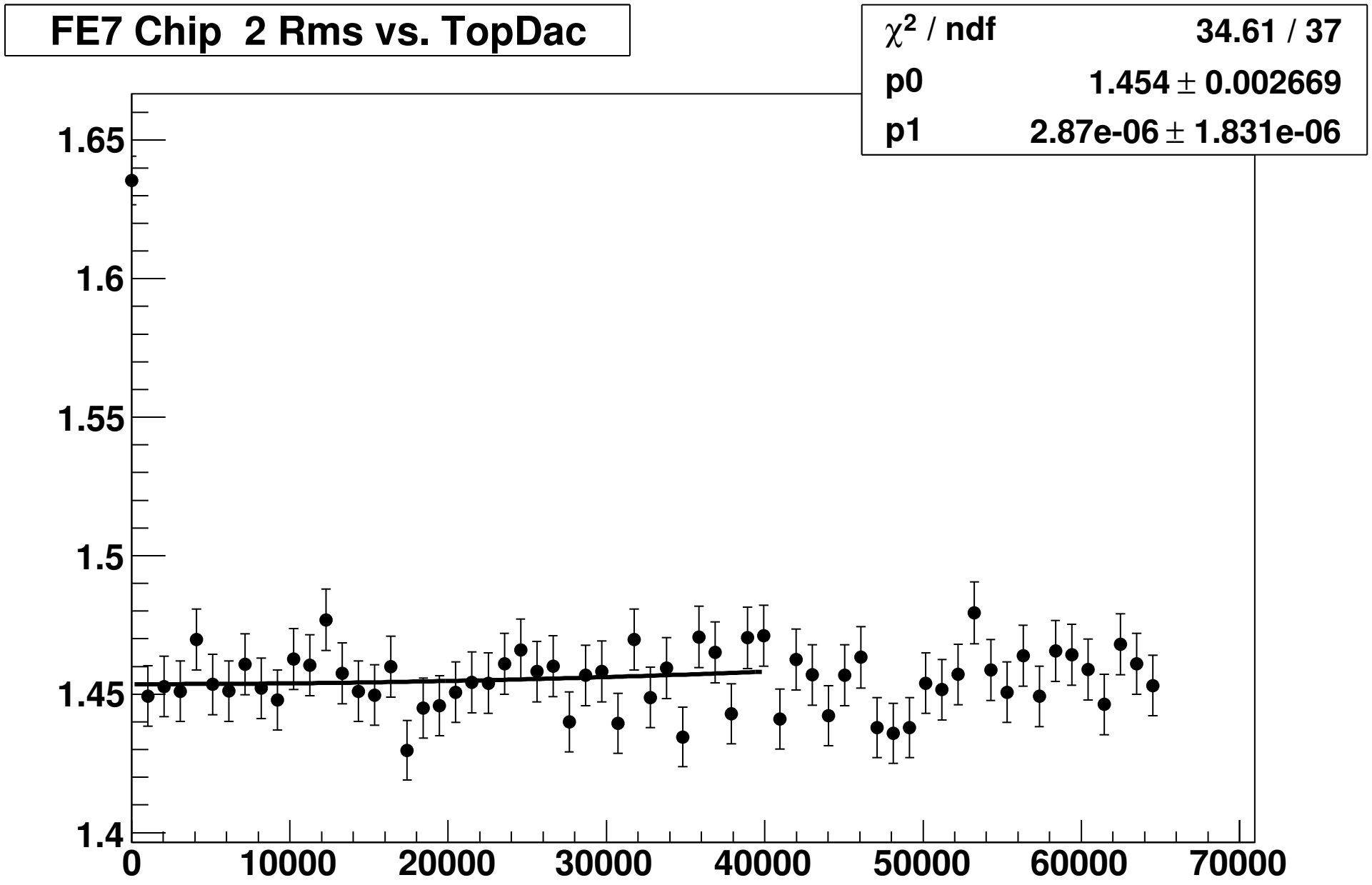

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 193.3 / 37
p0 90.96 ± 0.004953
p1 7.54e-07 ± 2.111e-07
91.08
91.06
91.04
91.02
91
90.98
90.96
90.94
90.92
90.9
0
10000
20000
30000
40000
50000
60000
70000

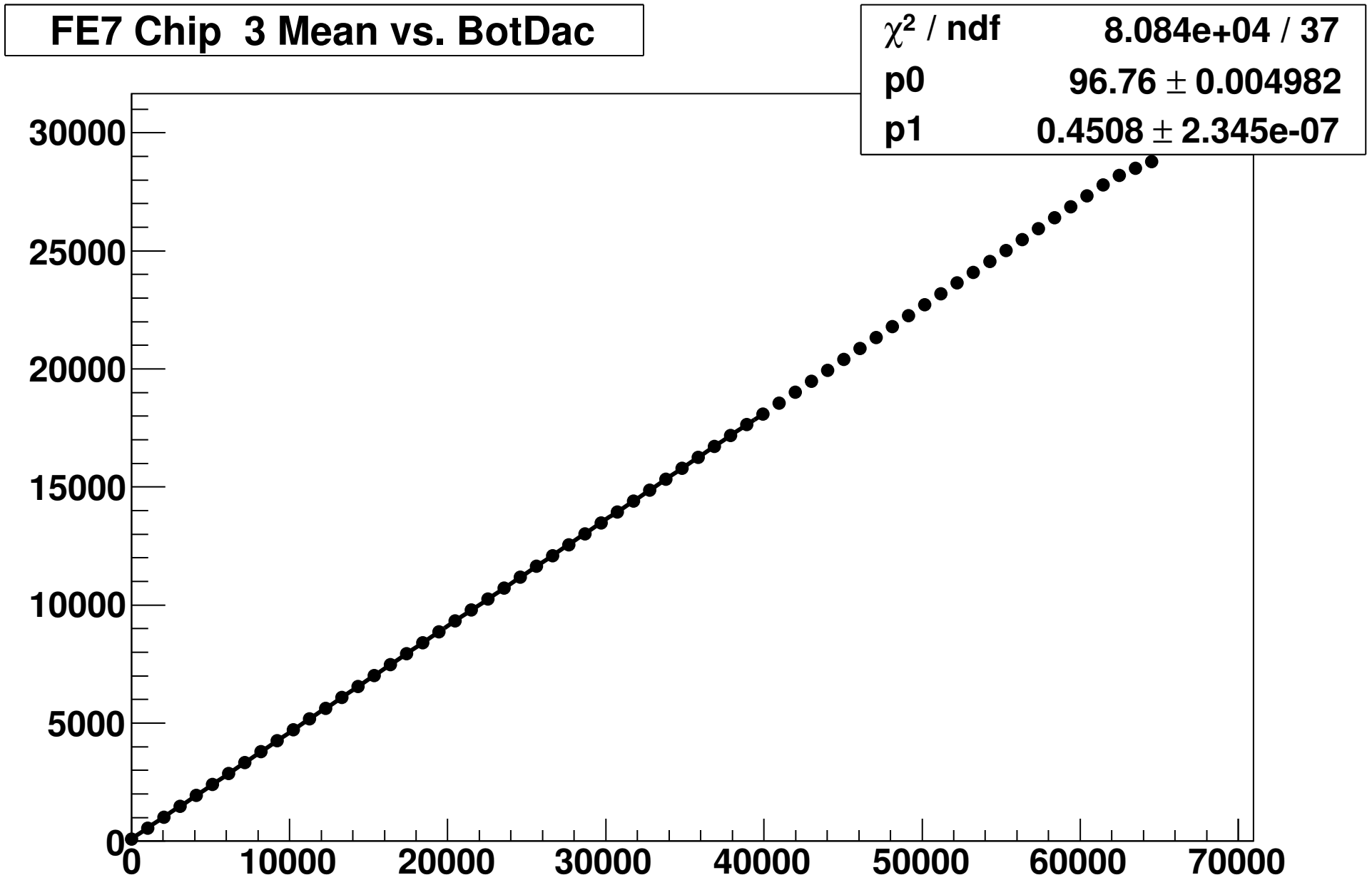

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 43.18 / 37
p0 1.426 ± 0.002605
p1 3.821e-06 ± 1.327e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

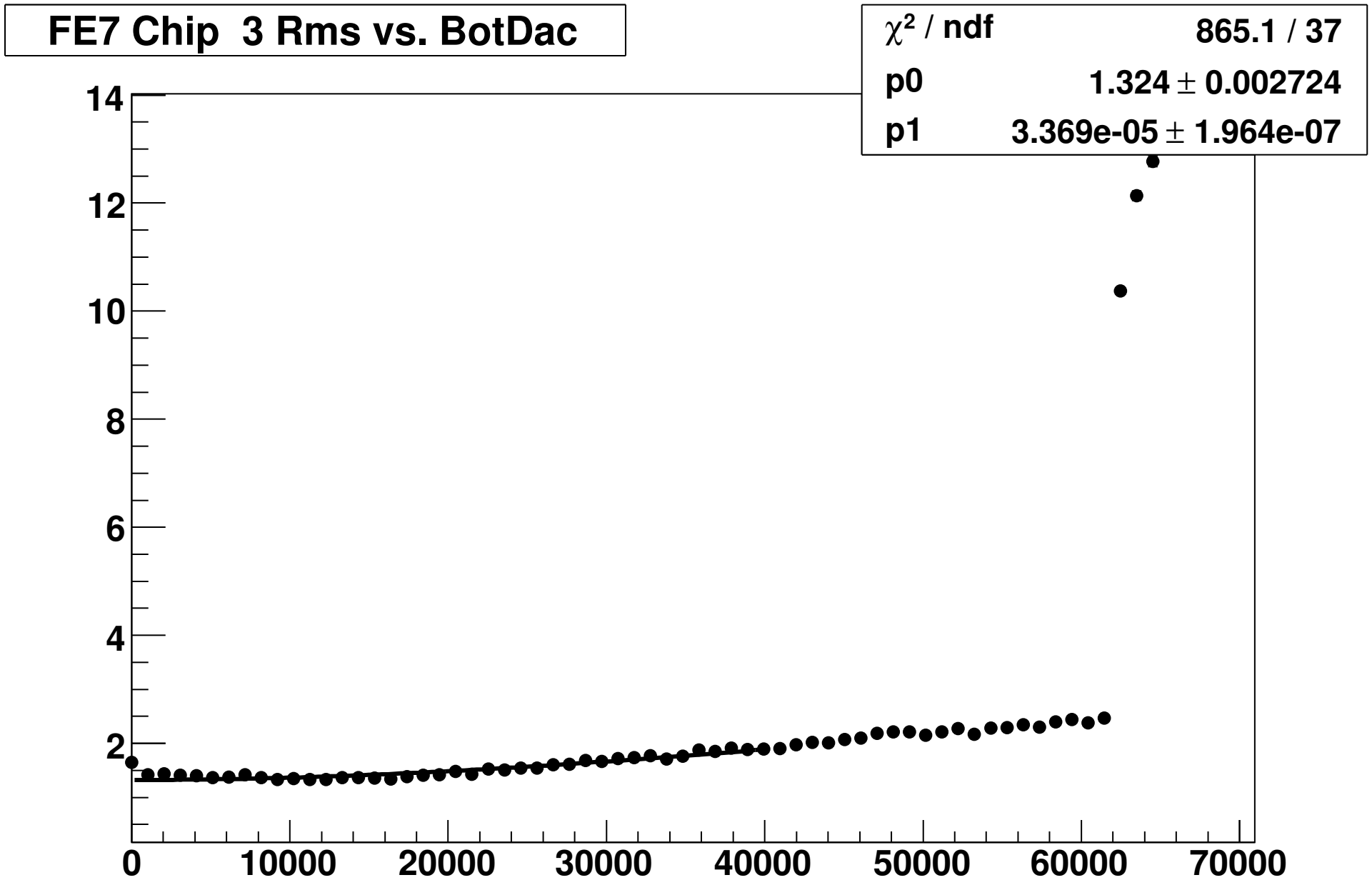

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 5.866e+04 / 37
p0 100.6 ± 0.005048
p1 0.4508 ± 2.379e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

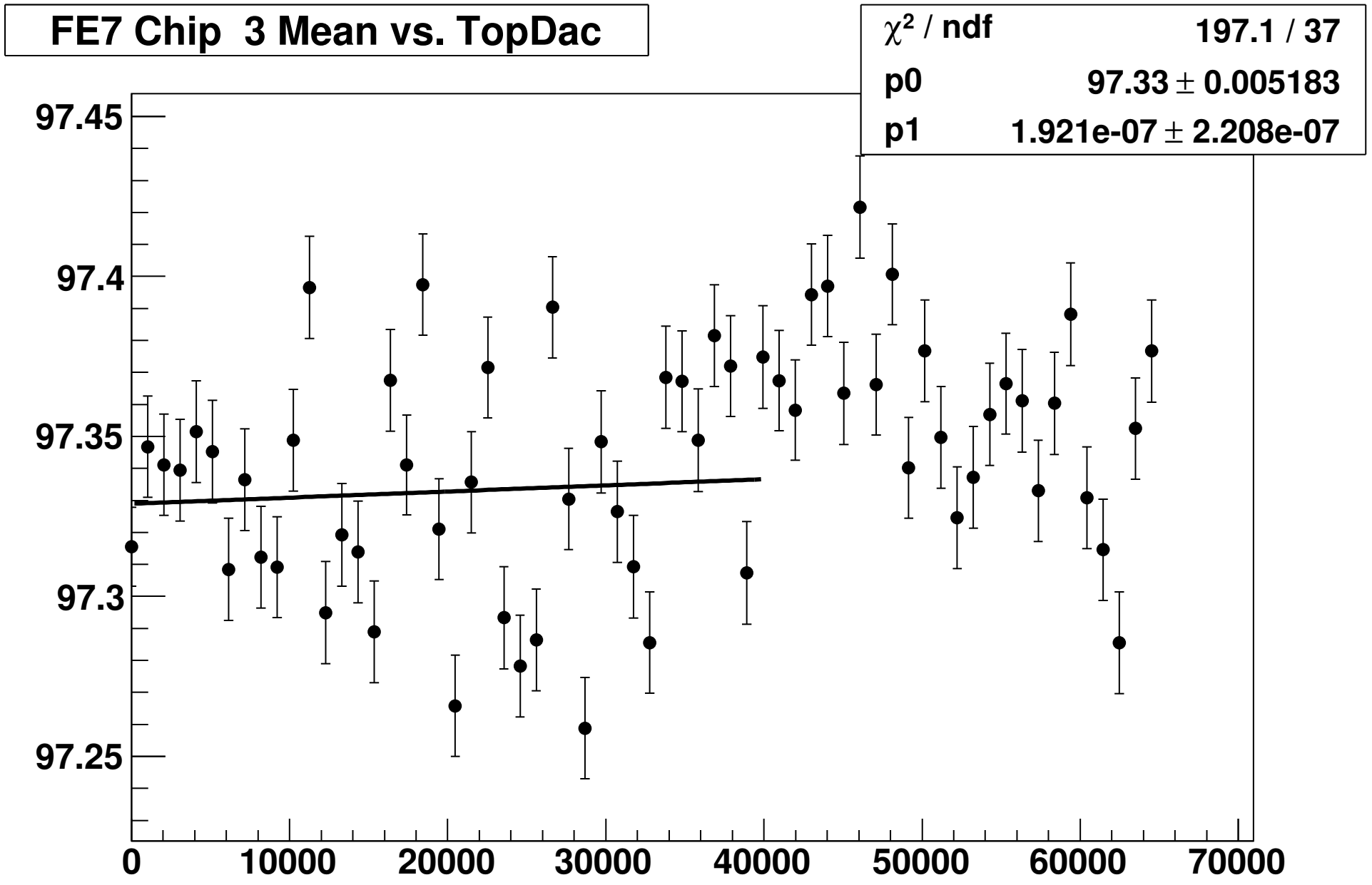

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1043 / 37
p0 1.338 ± 0.002758
p1 3.431e-05 ± 1.981e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

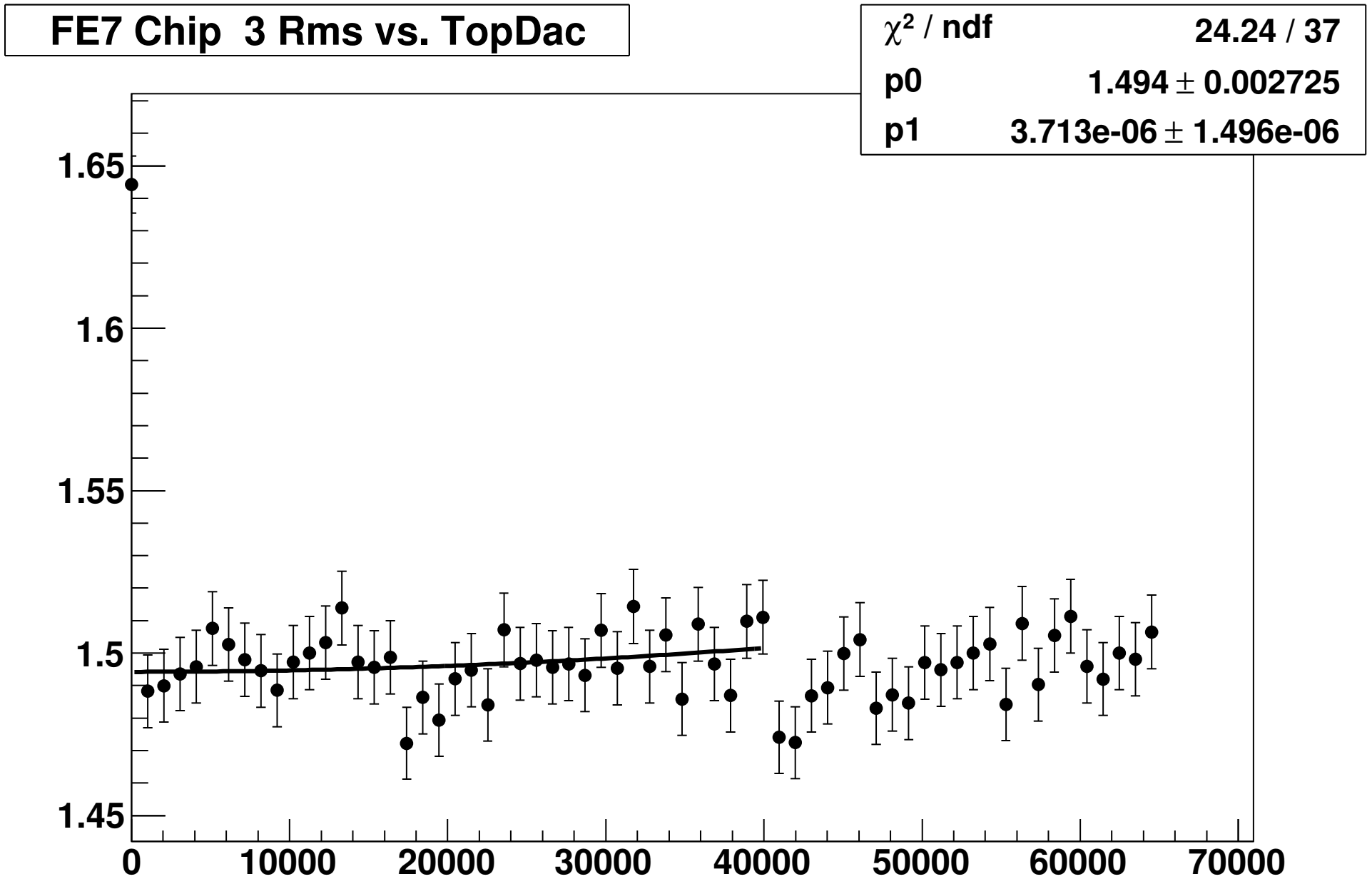

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 194.7 / 37
p0 101.1 ± 0.005043
p1 7.035e-08 ± 2.148e-07
101.2
101.18
101.16
101.14
101.12
101.1
101.08
101.06
101.04
101.02
0
10000
20000
30000
40000
50000
60000
70000

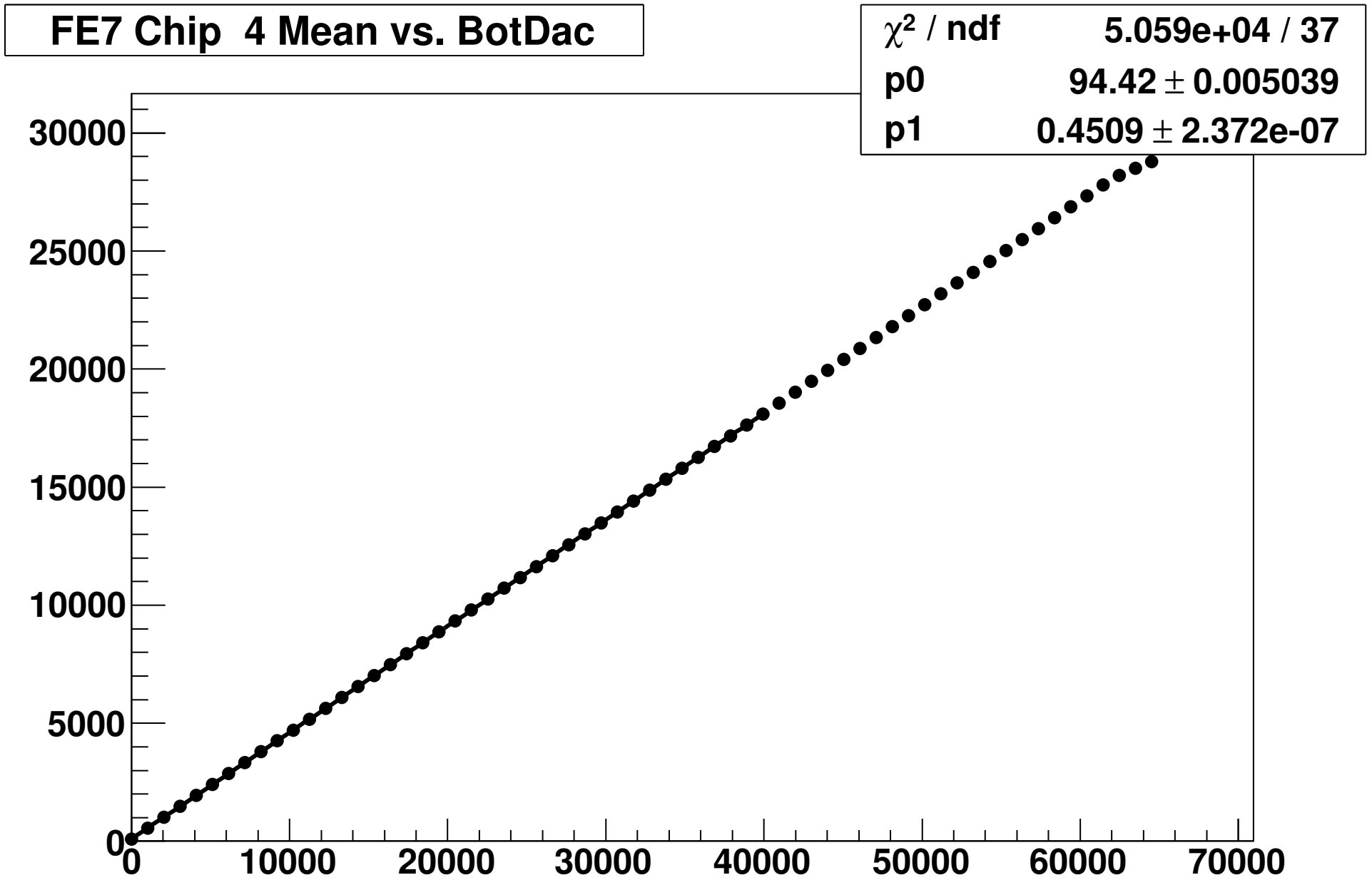

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 34.61 / 37
p0 1.454 ± 0.002669
p1 2.87e-06 ± 1.831e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

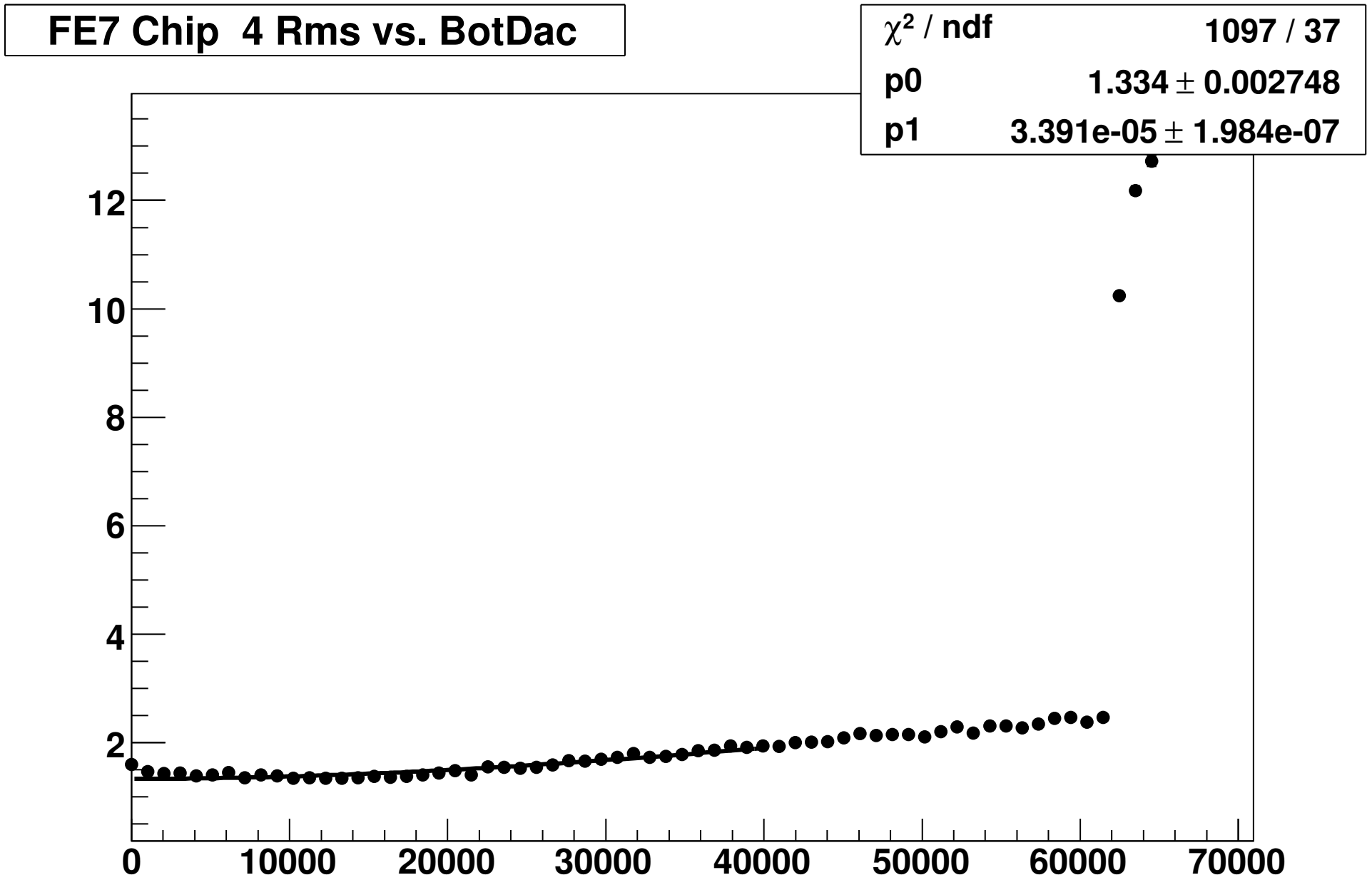

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 8.084e+04 / 37
p0 96.76 ± 0.004982
p1 0.4508 ± 2.345e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

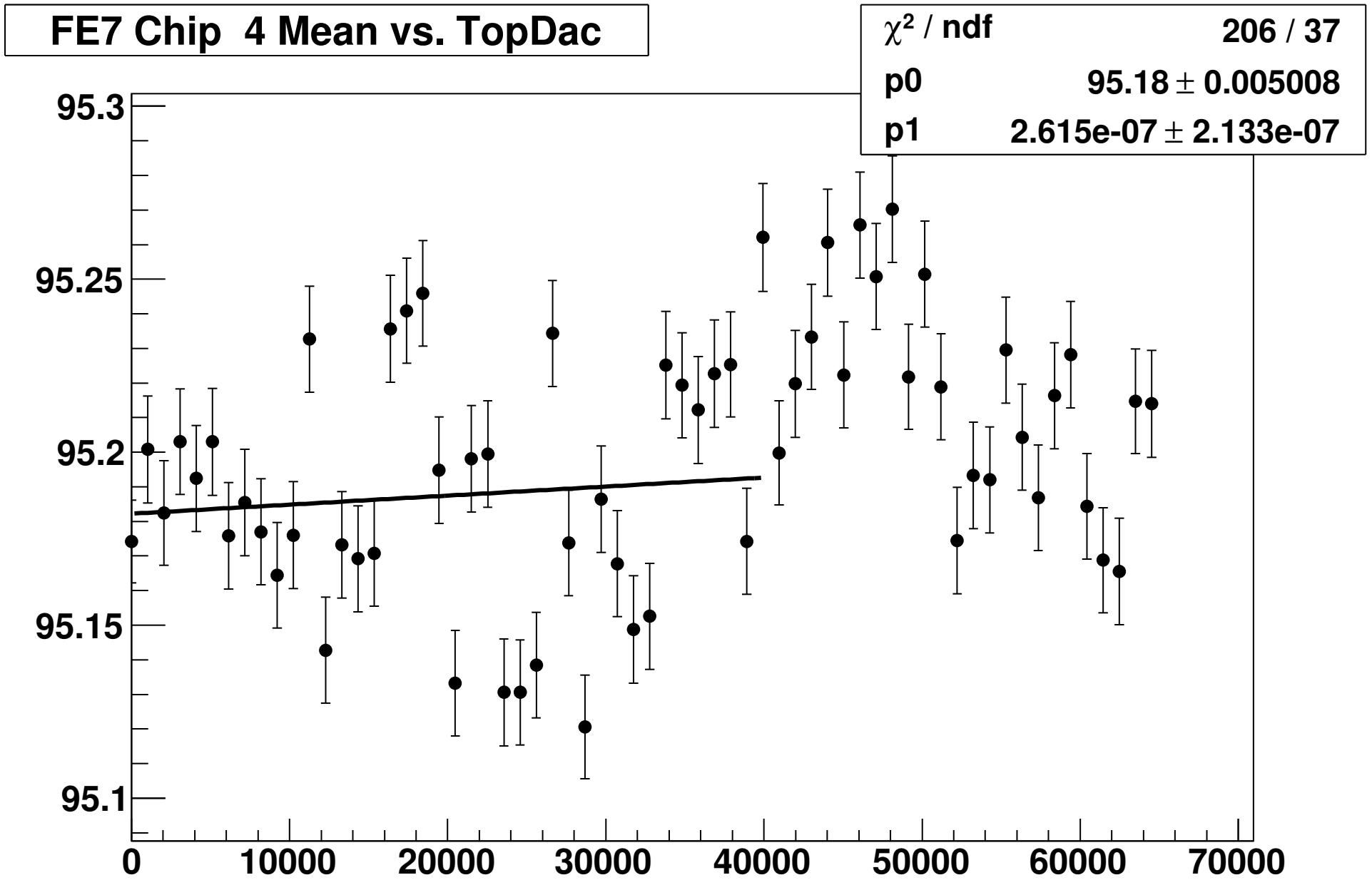

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 865.1 / 37
p0 1.324 ± 0.002724
p1 3.369e-05 ± 1.964e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

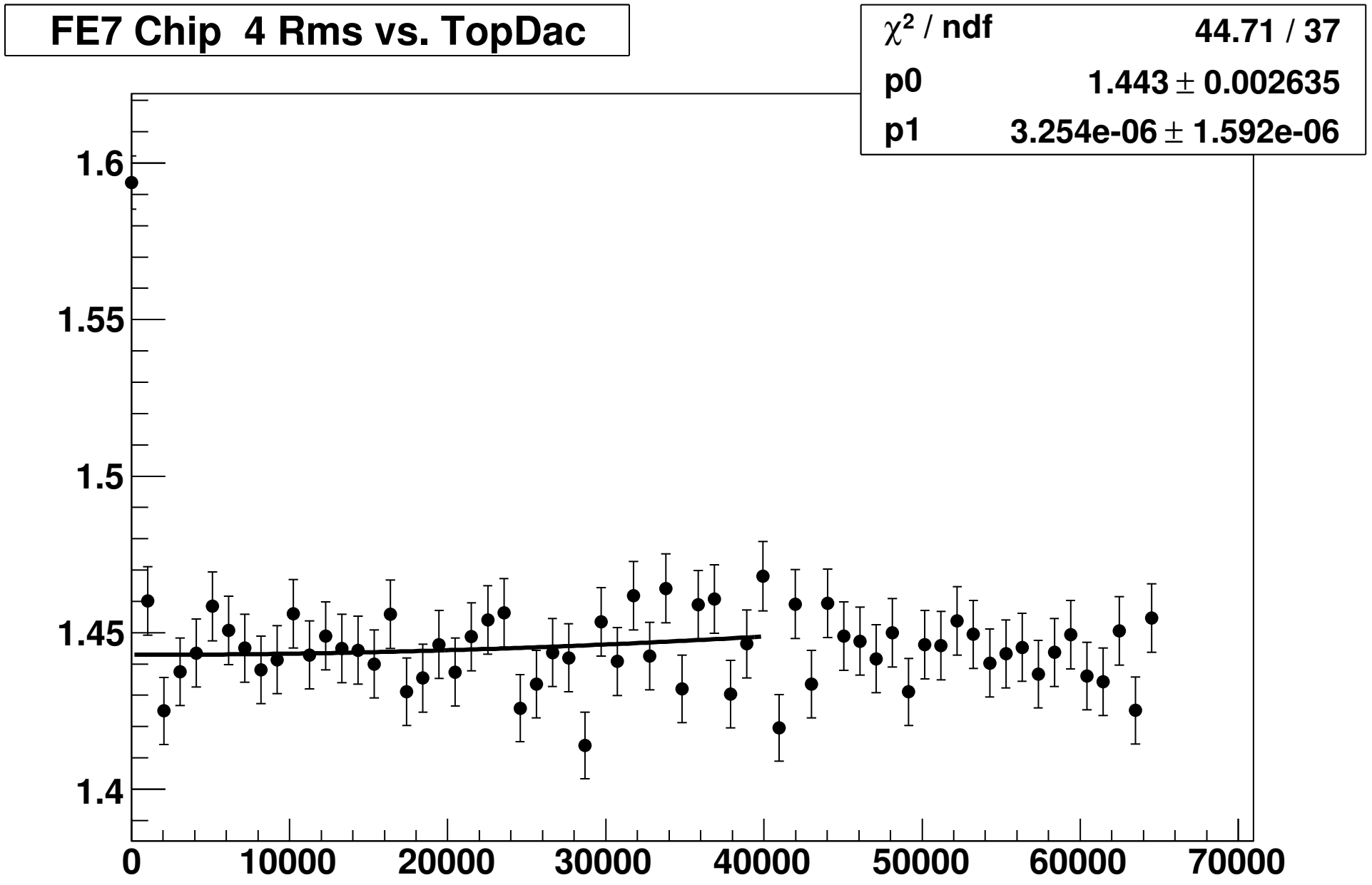

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 197.1 / 37
p0 97.33 ± 0.005183
p1 1.921e-07 ± 2.208e-07
97.45
97.4
97.35
97.3
97.25
0
10000
20000
30000
40000
50000
60000
70000

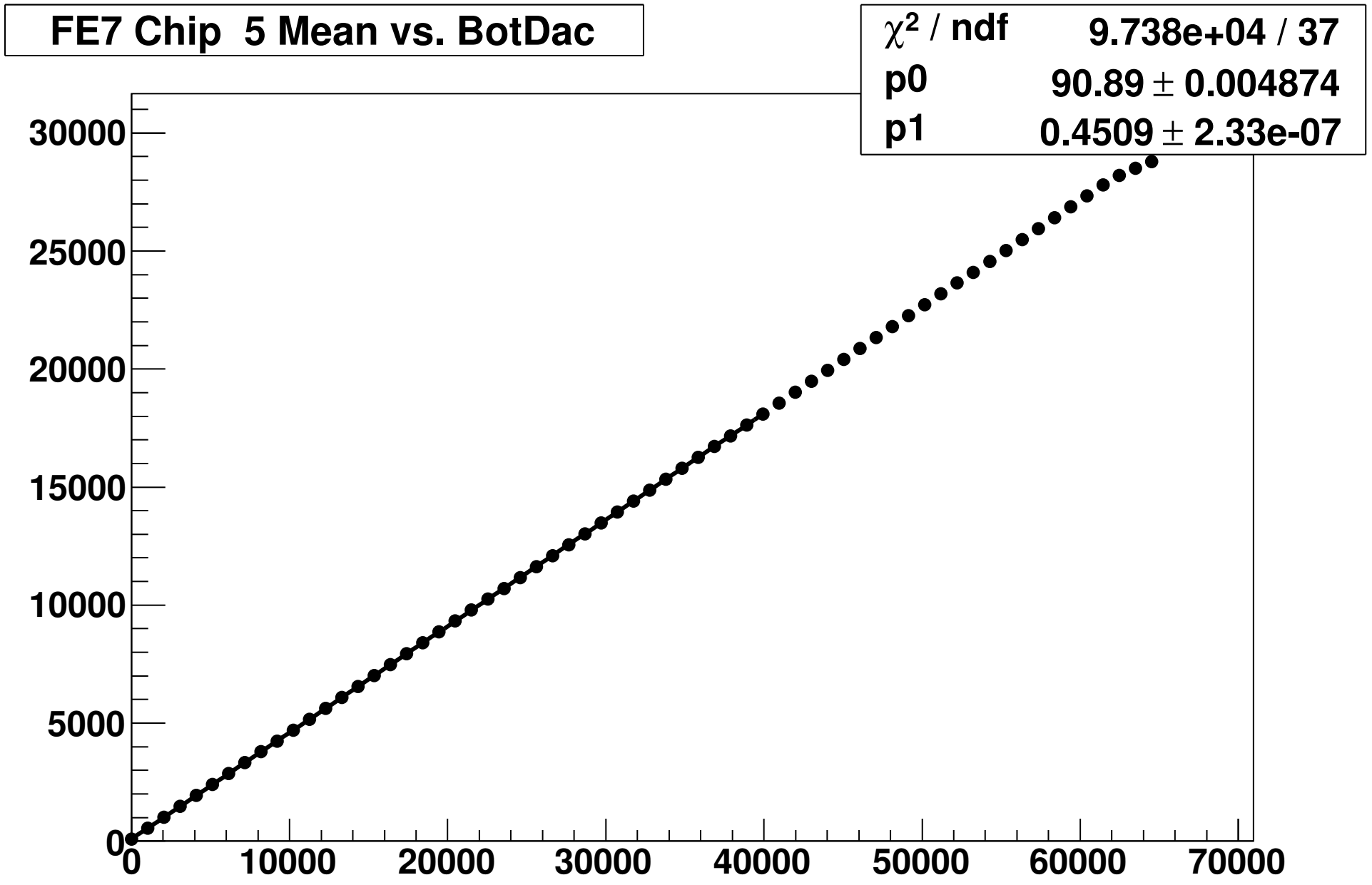

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 24.24 / 37
p0 1.494 ± 0.002725
p1 3.713e-06 ± 1.496e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

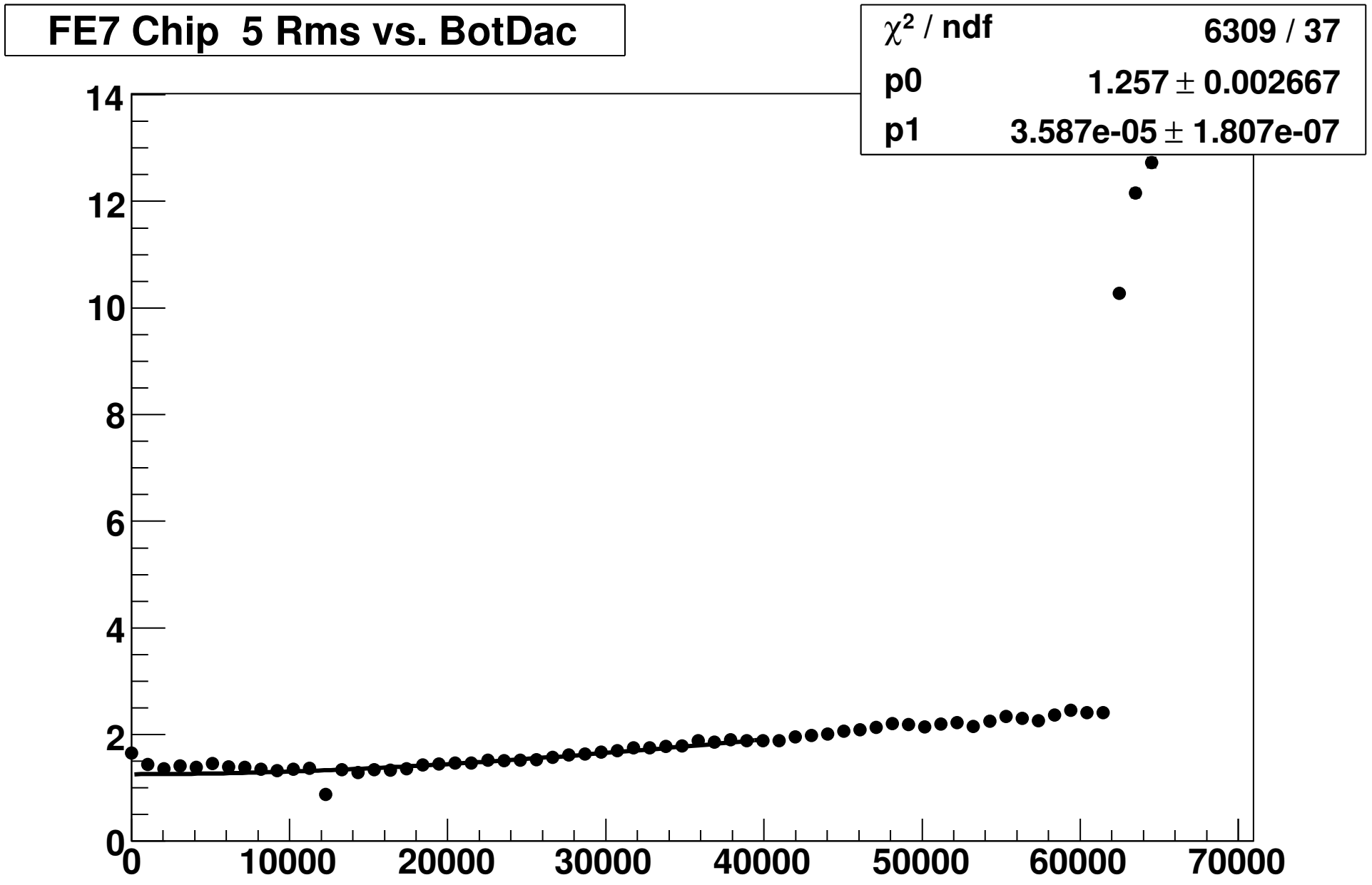

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 5.059e+04 / 37
p0 94.42 ± 0.005039
p1 0.4509 ± 2.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

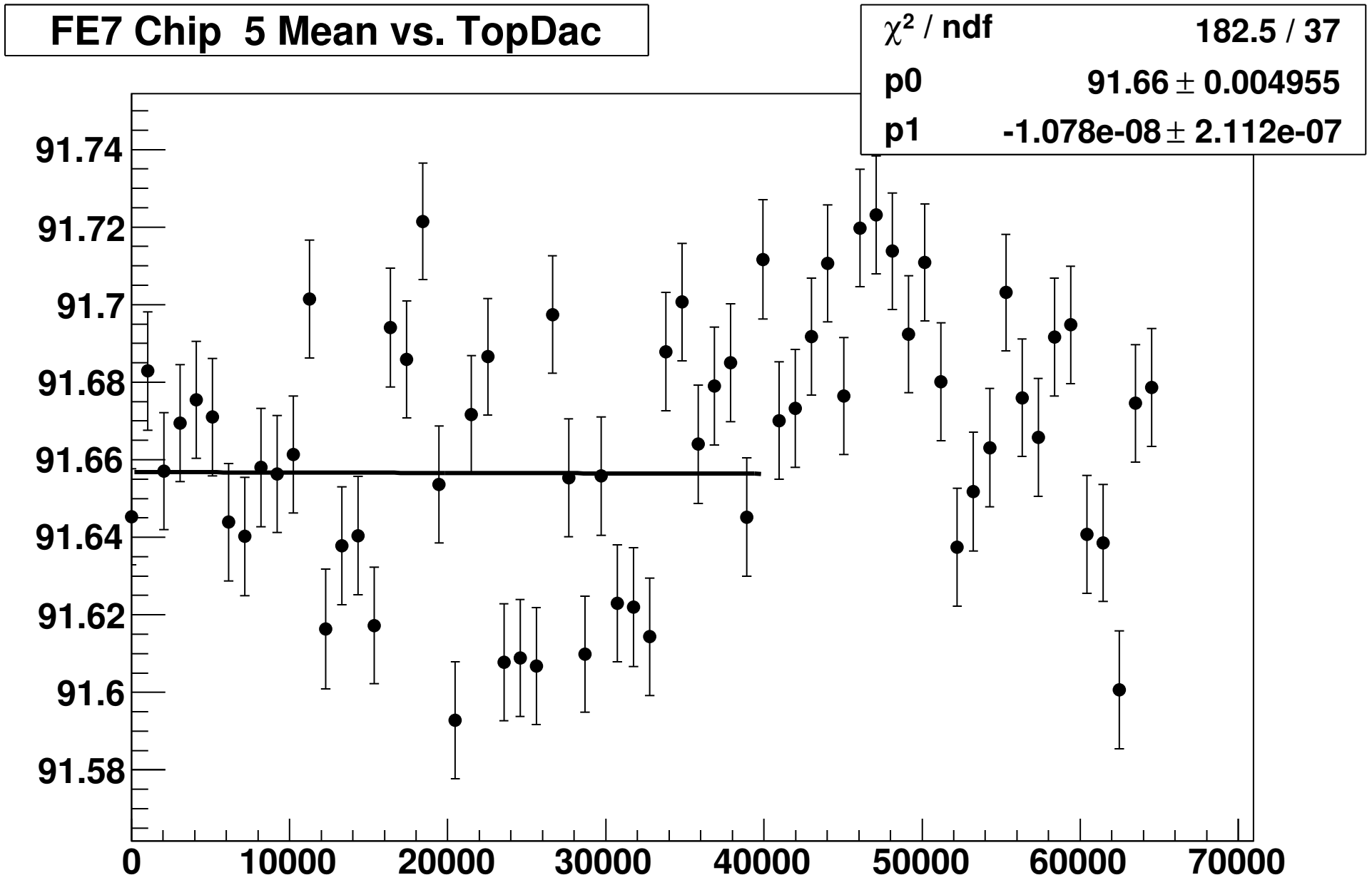

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1097 / 37
p0 1.334 ± 0.002748
p1 3.391e-05 ± 1.984e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

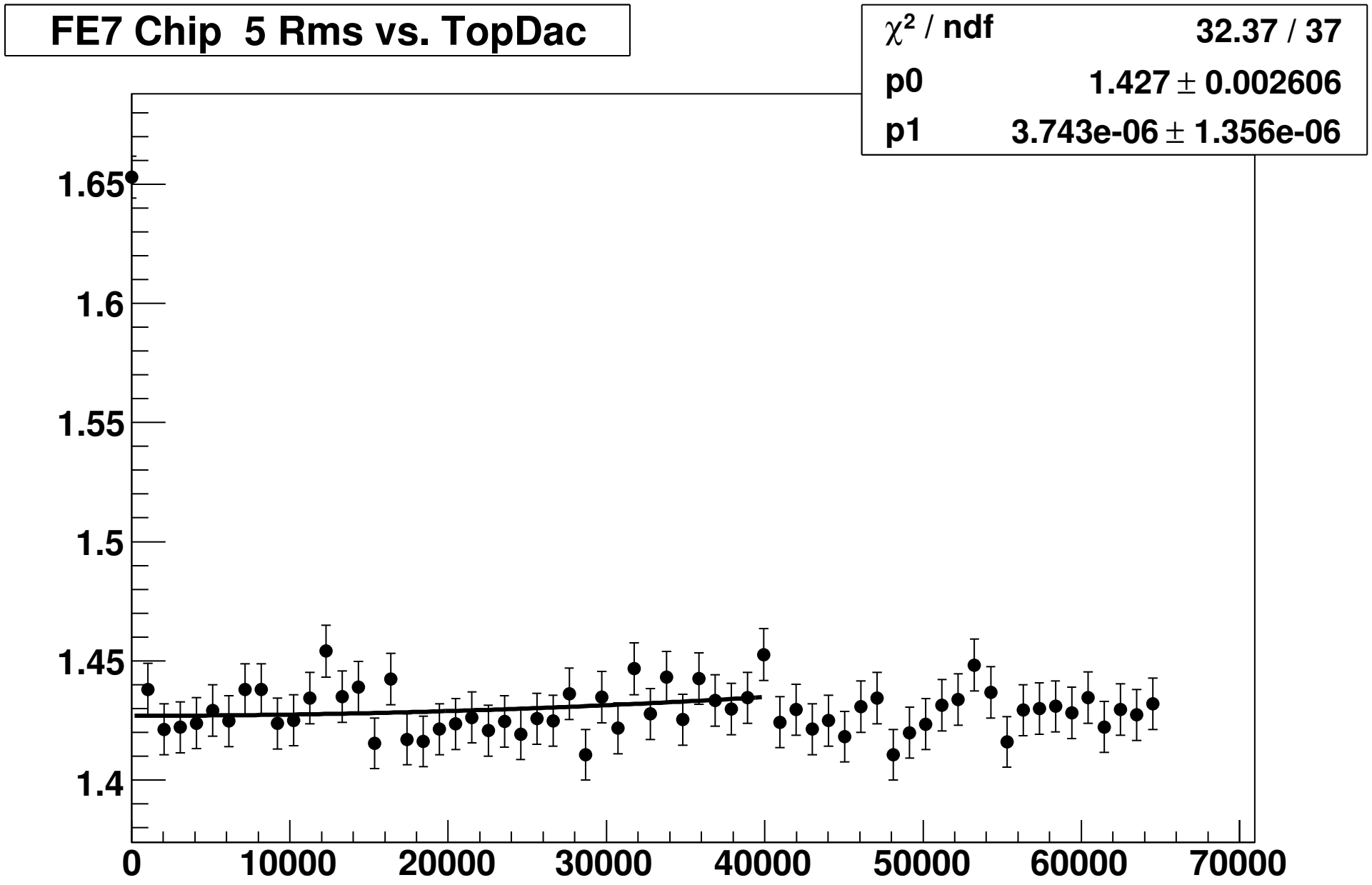

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 206 / 37
p0 95.18 ± 0.005008
p1 2.615e-07 ± 2.133e-07
95.3
95.25
95.2
95.15
95.1
0
10000
20000
30000
40000
50000
60000
70000

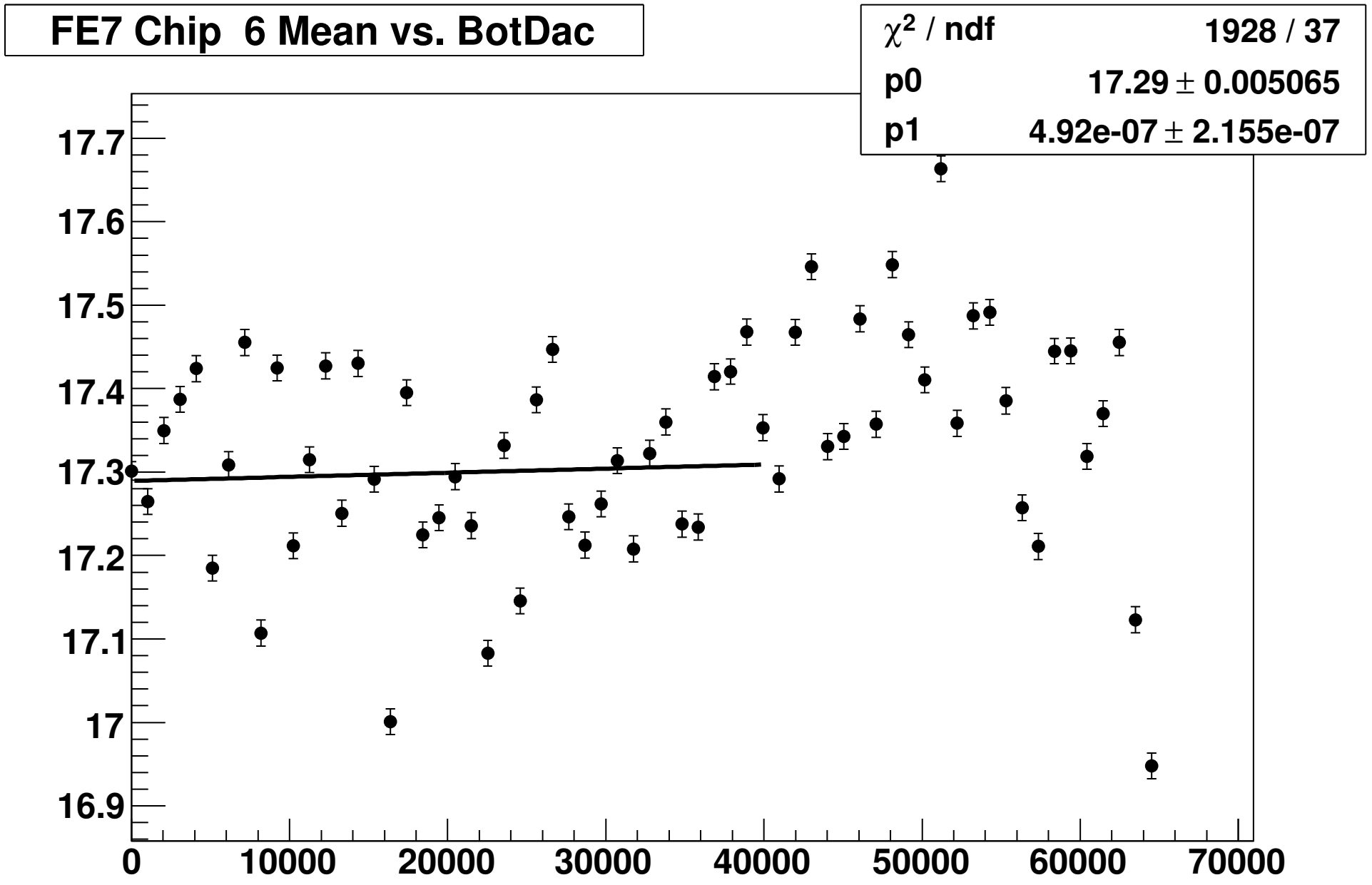

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 44.71 / 37
p0 1.443 ± 0.002635
p1 3.254e-06 ± 1.592e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

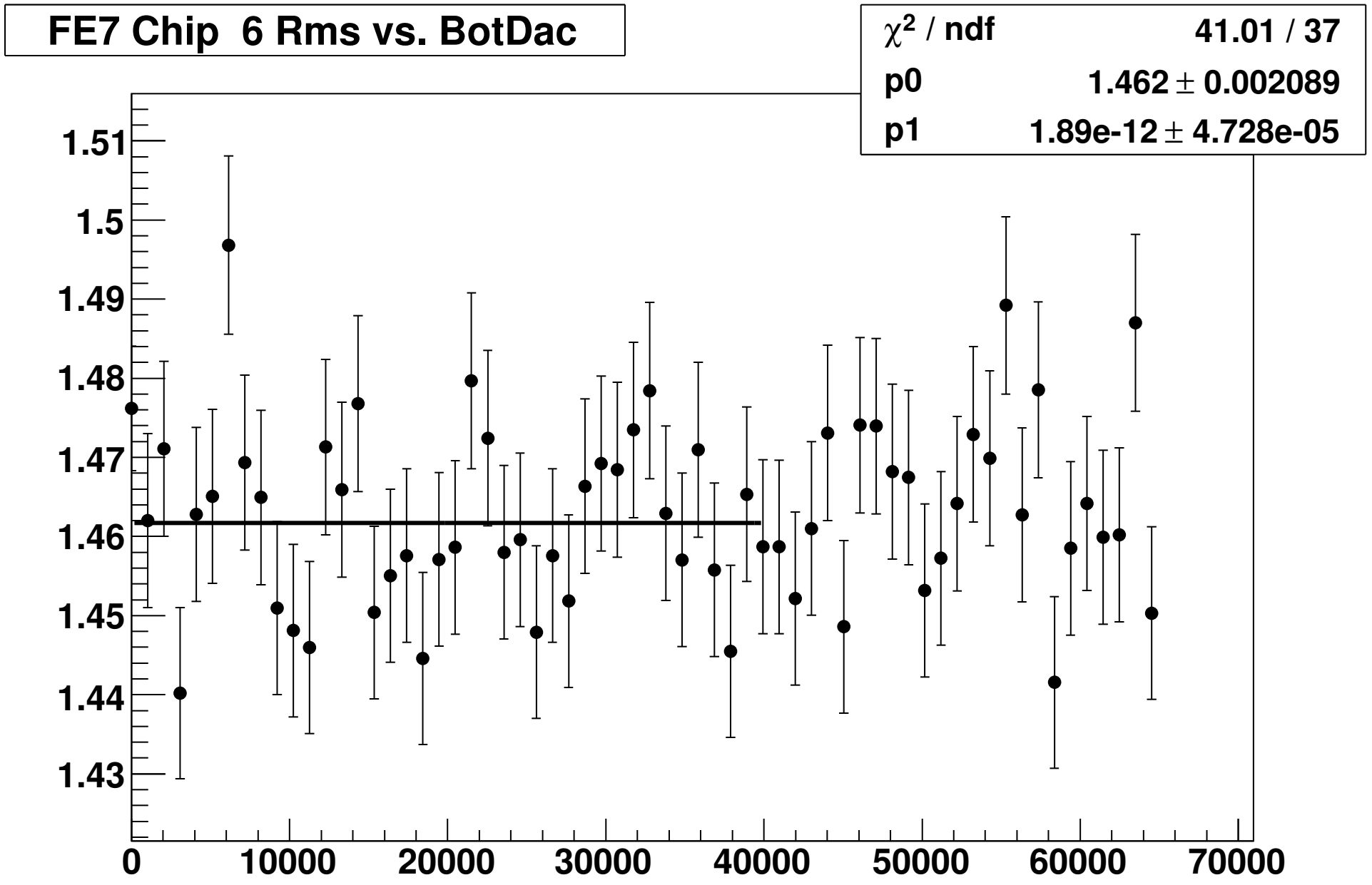

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 9.738e+04 / 37
p0 90.89 ± 0.004874
p1 0.4509 ± 2.33e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

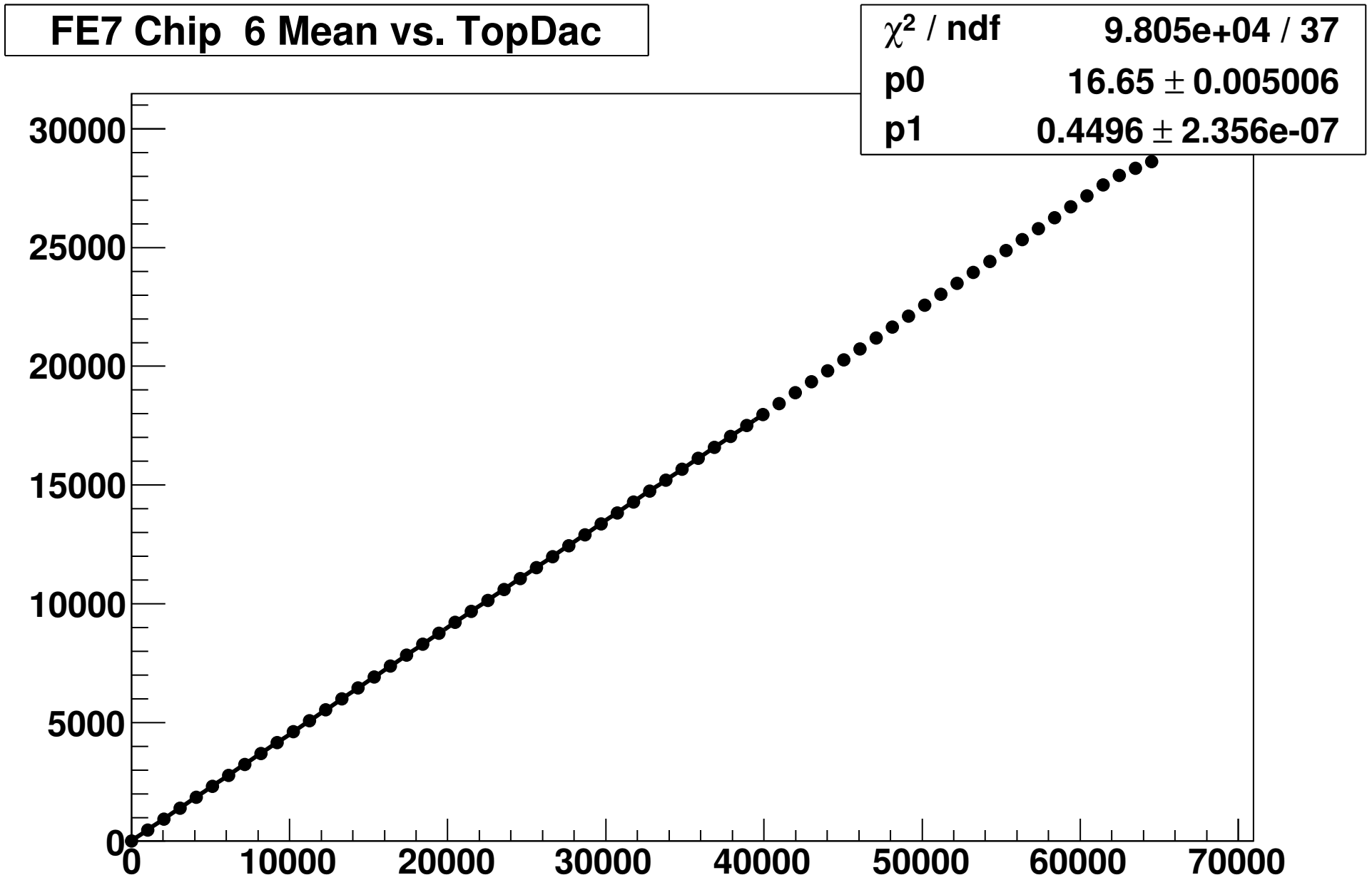

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 6309 / 37
p0 1.257 ± 0.002667
p1 3.587e-05 ± 1.807e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

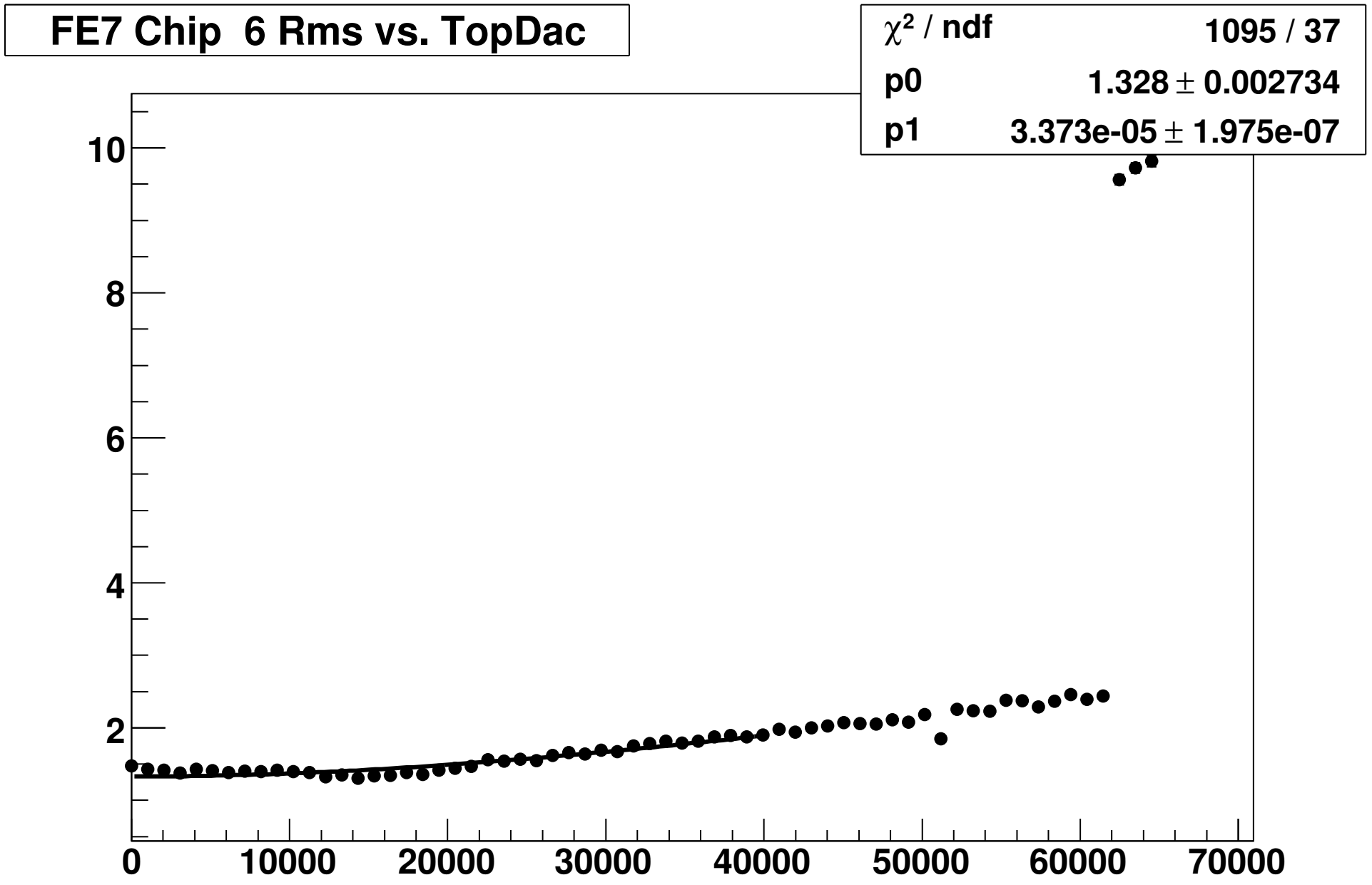

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 182.5 / 37
p0 91.66 ± 0.004955
p1 -1.078e-08 ± 2.112e-07
91.74
91.72
91.7
91.68
91.66
91.64
91.62
91.6
91.58
0
10000
20000
30000
40000
50000
60000
70000

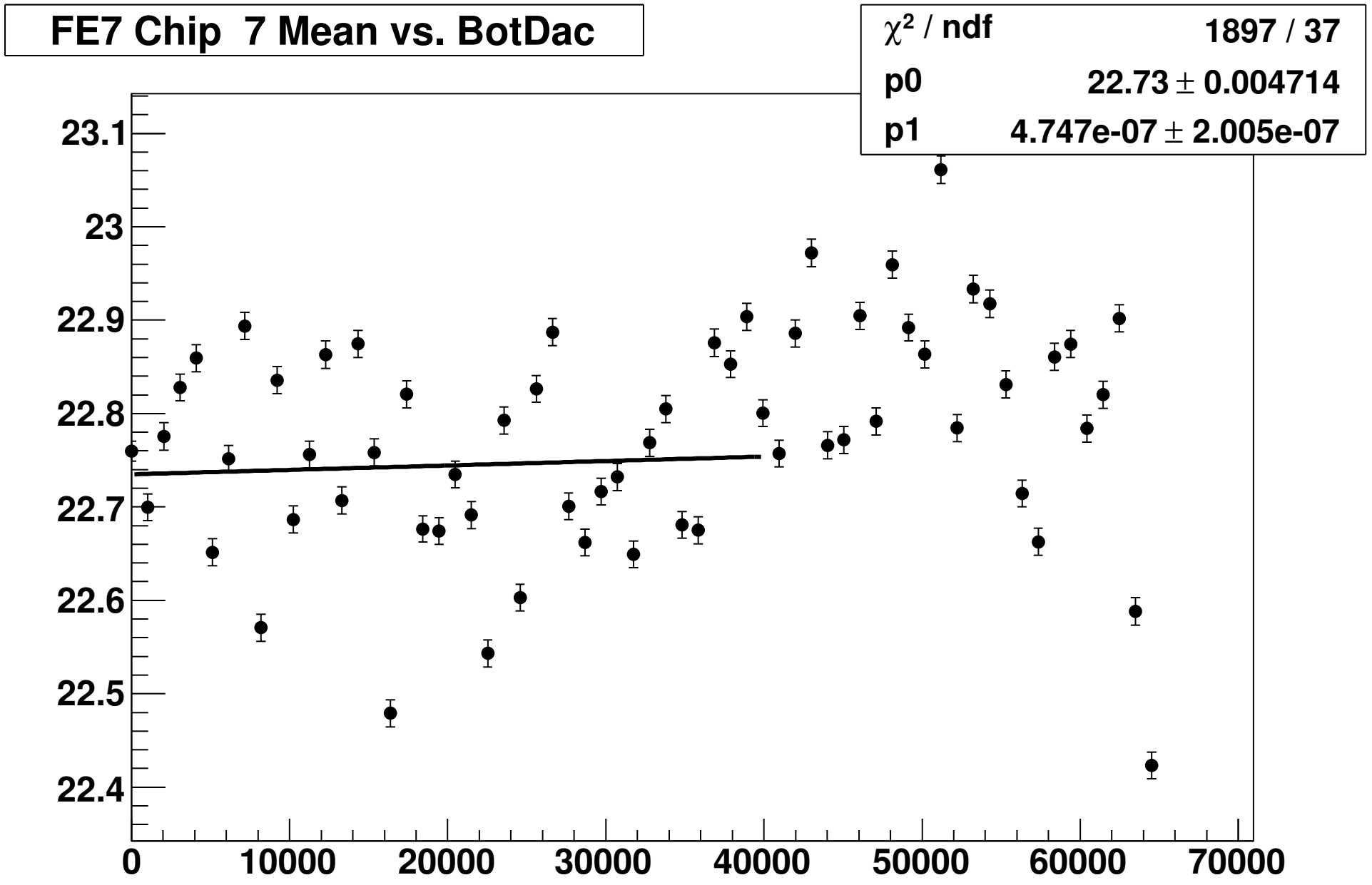

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 32.37 / 37
p0 1.427 ± 0.002606
p1 3.743e-06 ± 1.356e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

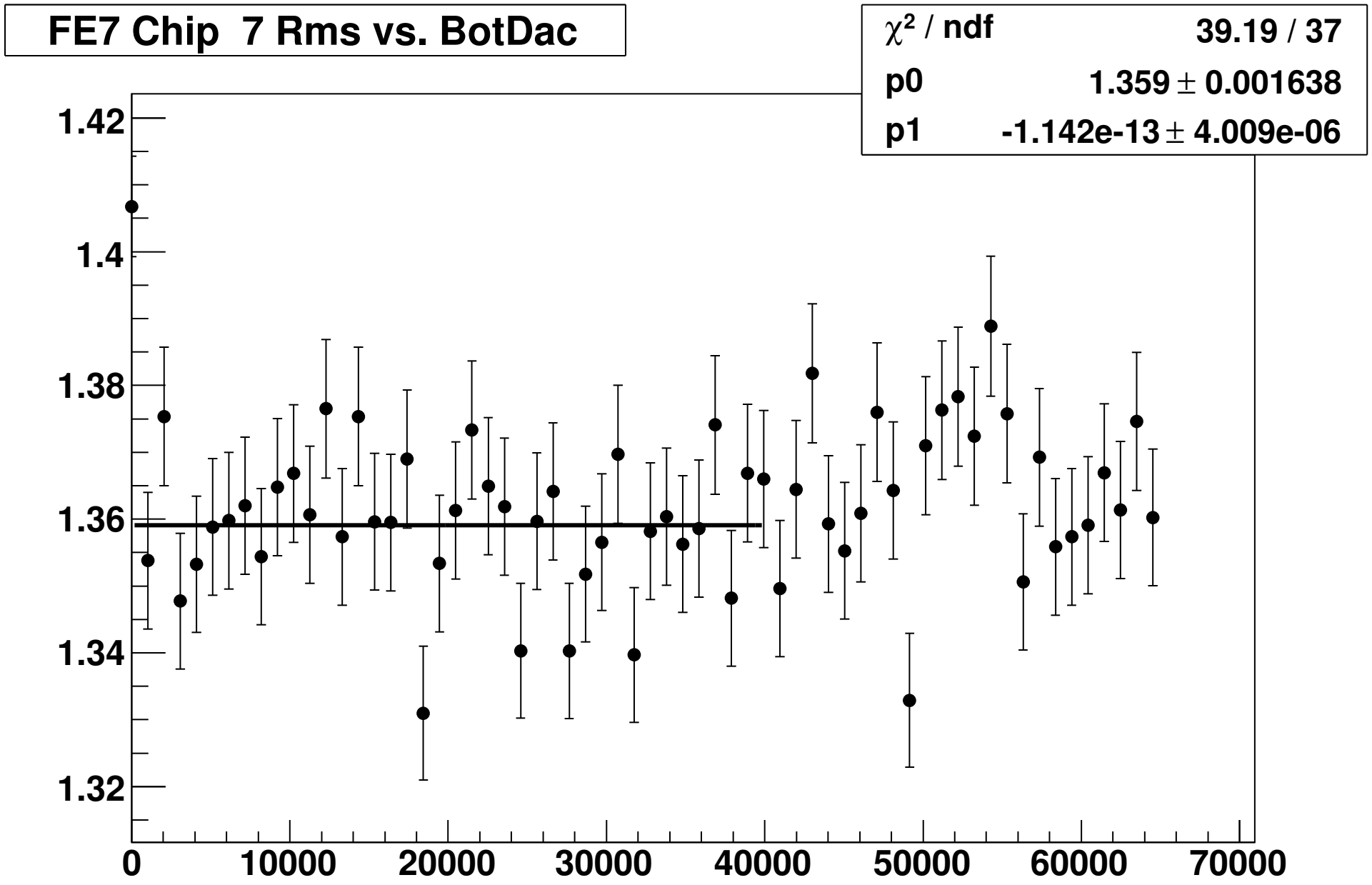

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 1928 / 37
p0 17.29 ± 0.005065
p1 4.92e-07 ± 2.155e-07
17.7
17.6
17.5
17.4
17.3
17.2
17.1
17
16.9
0
10000
20000
30000
40000
50000
60000
70000

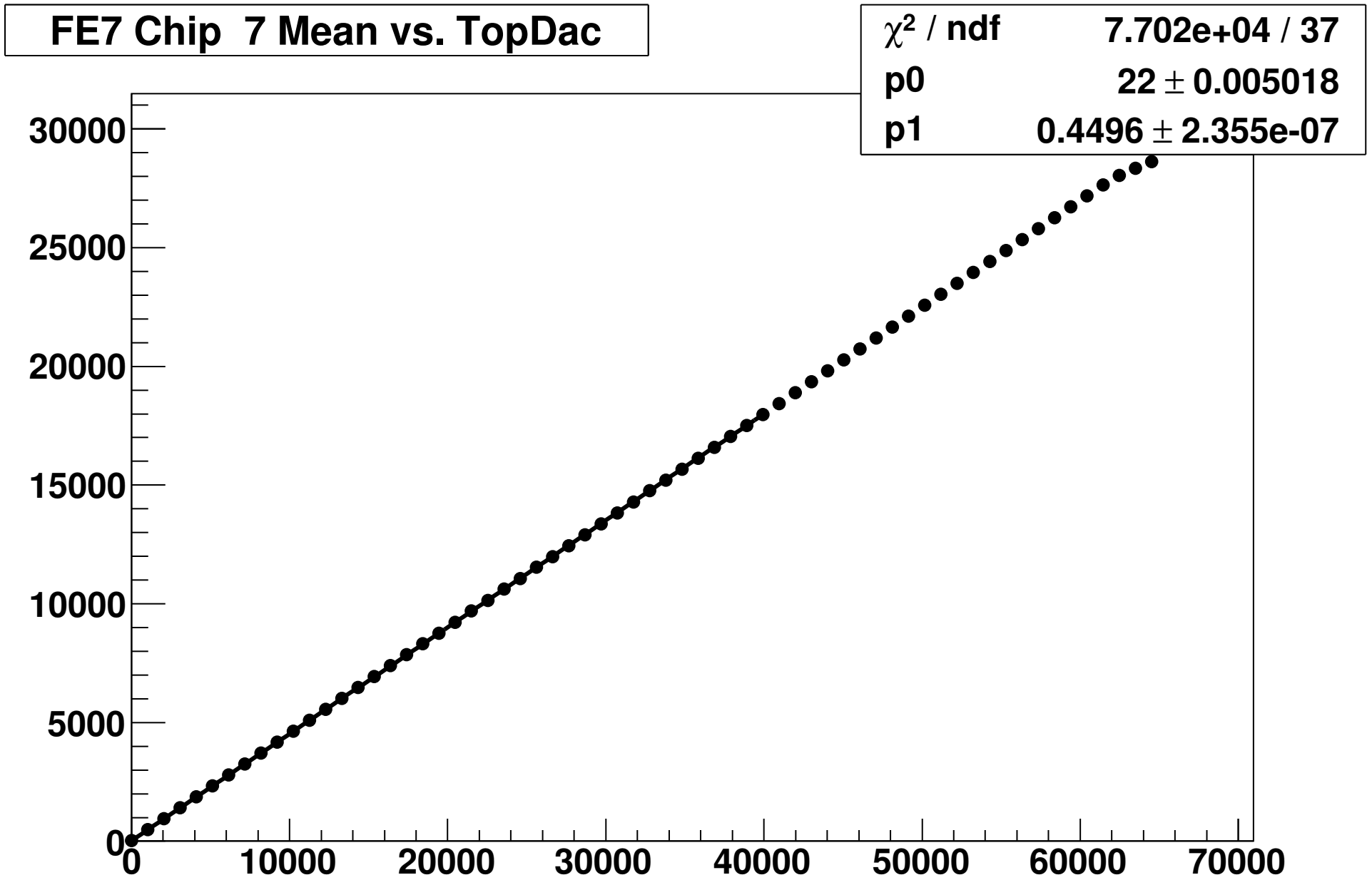

FE7 Chip 6 Rms vs. BotDac
χ^2 / ndf 41.01 / 37
p0 1.462 ± 0.002089
p1 1.89e-12 ± 4.728e-05
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

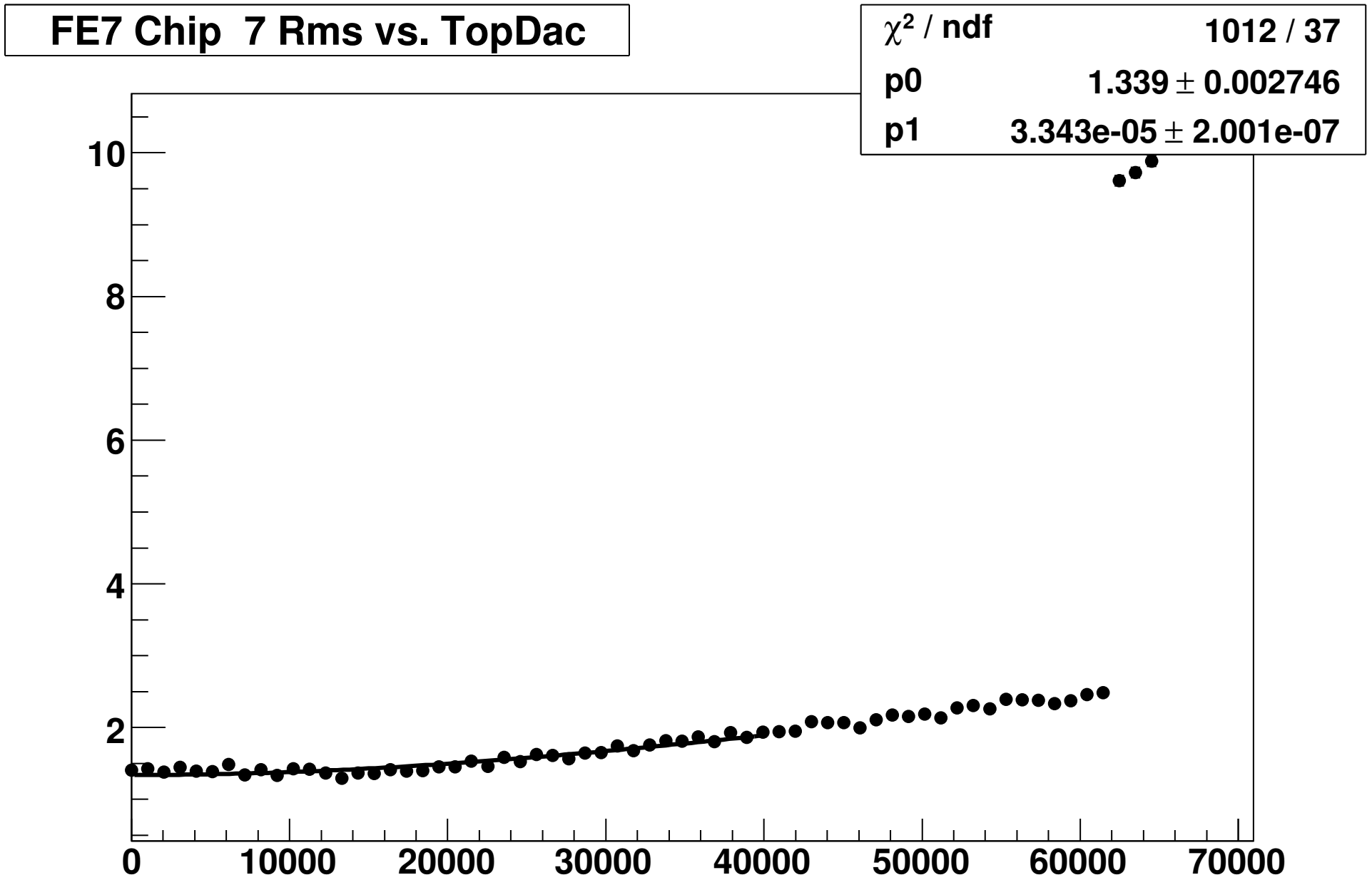

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 9.805e+04 / 37
p0 16.65 ± 0.005006
p1 0.4496 ± 2.356e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

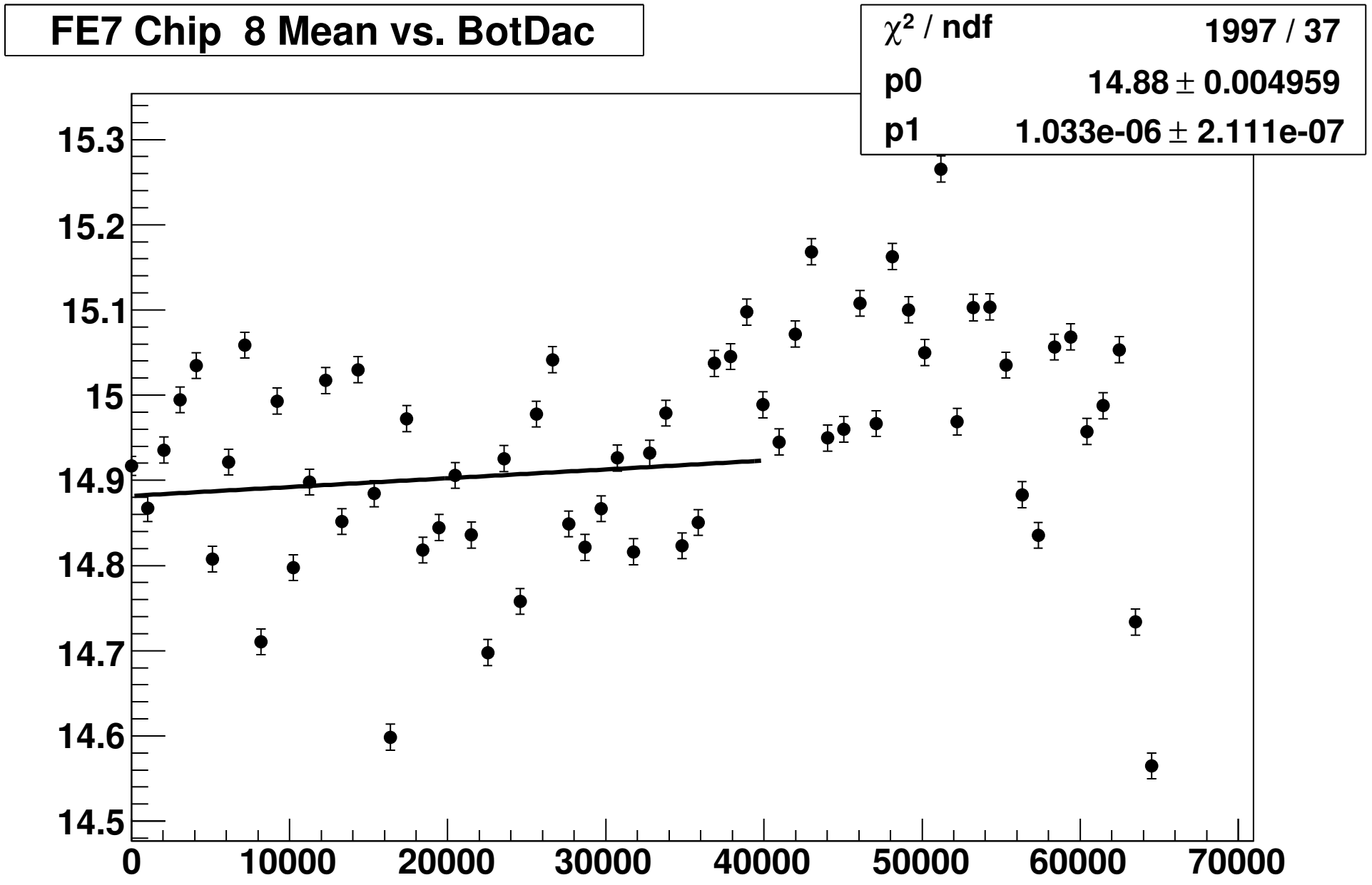

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1095 / 37
p0 1.328 ± 0.002734
p1 3.373e-05 ± 1.975e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

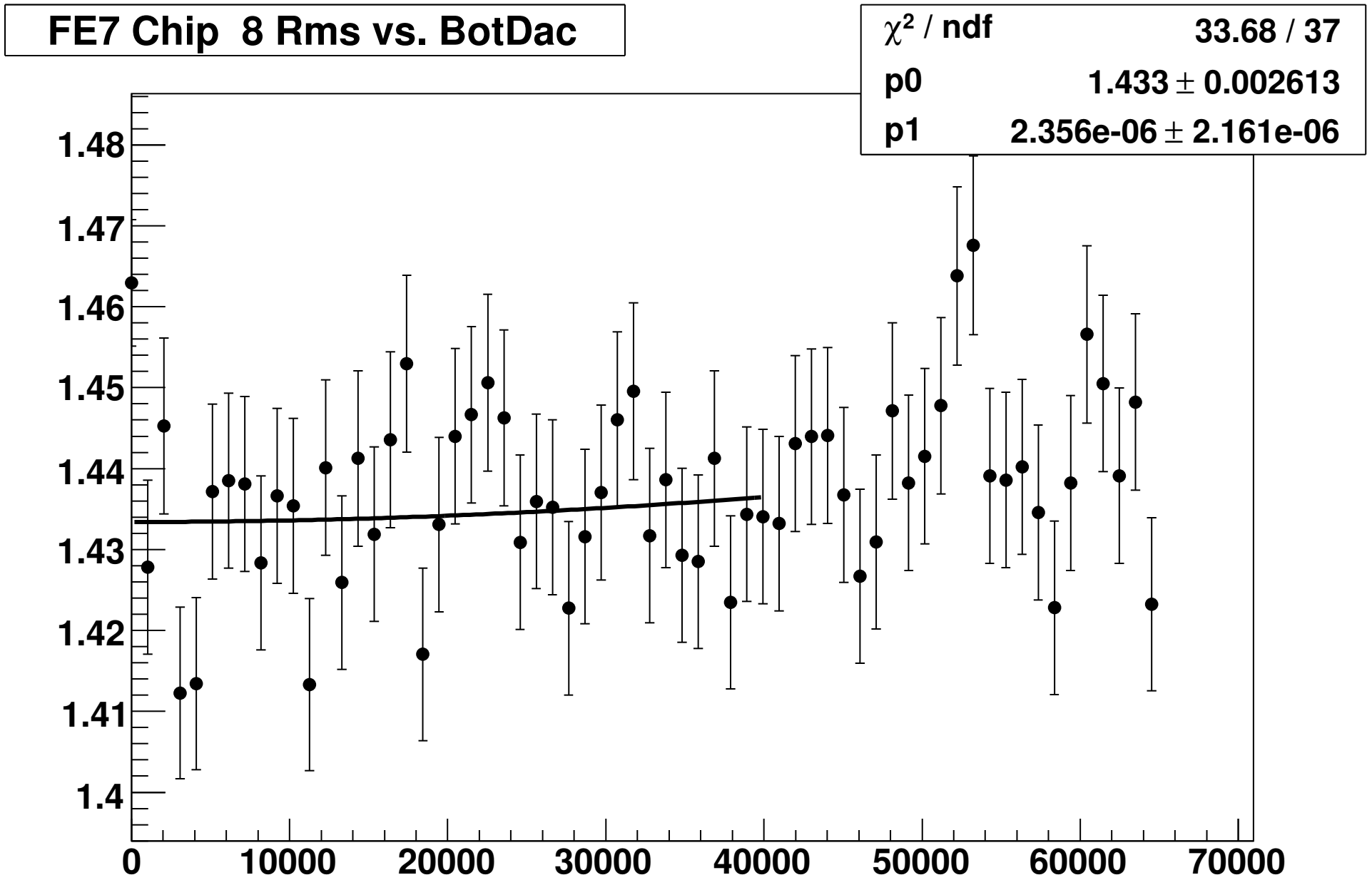

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 1897 / 37
p0 22.73 ± 0.004714
p1 4.747e-07 ± 2.005e-07
23.1
23
22.9
22.8
22.7
22.6
22.5
22.4
0
10000
20000
30000
40000
50000
60000
70000

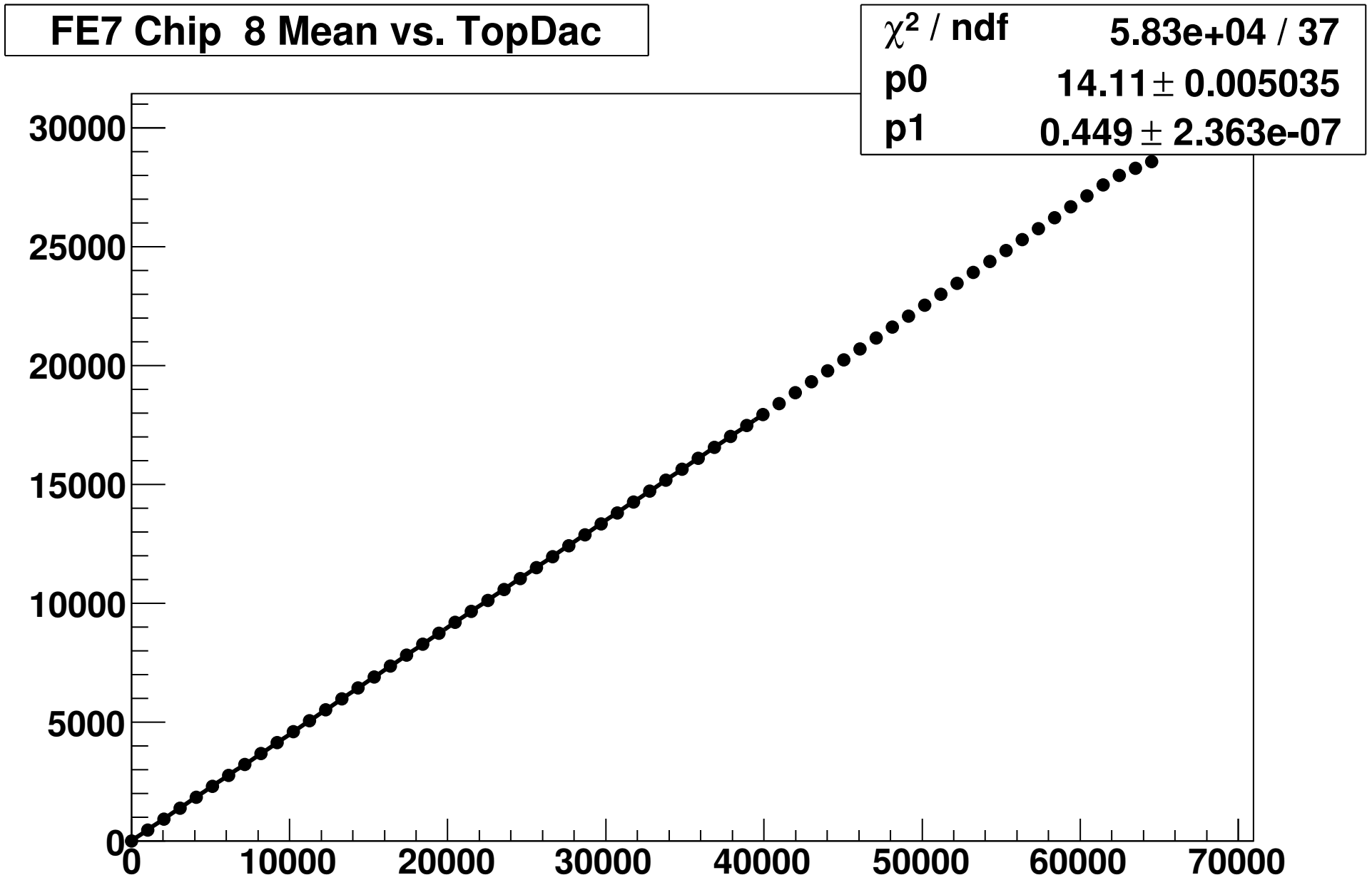

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 39.19 / 37
p0 1.359 ± 0.001638
p1 -1.142e-13 ± 4.009e-06
1.42
1.4
1.38
1.36
1.34
1.32
0
10000
20000
30000
40000
50000
60000
70000

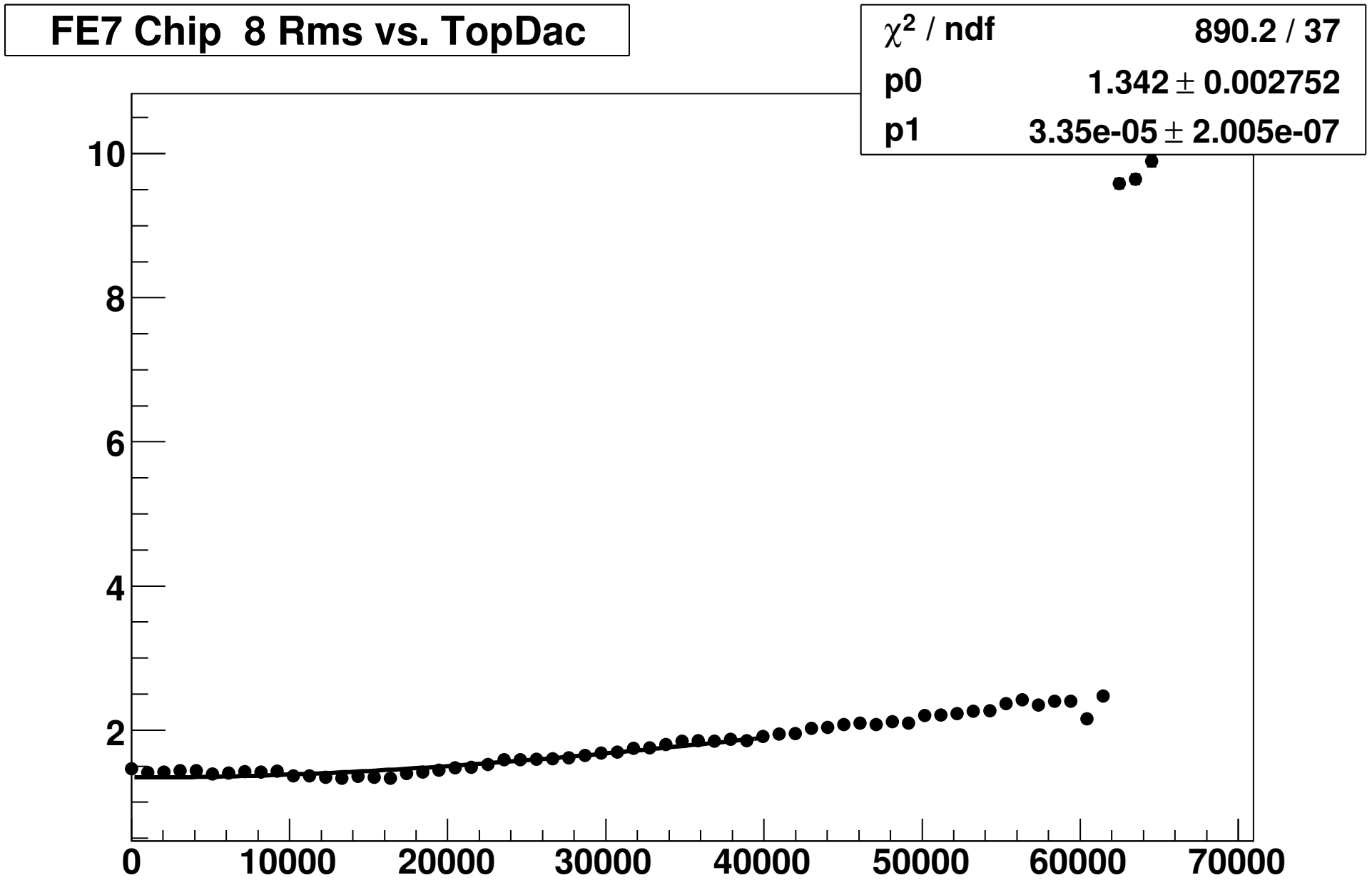

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 7.702e+04 / 37
p0 22 ± 0.005018
p1 0.4496 ± 2.355e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

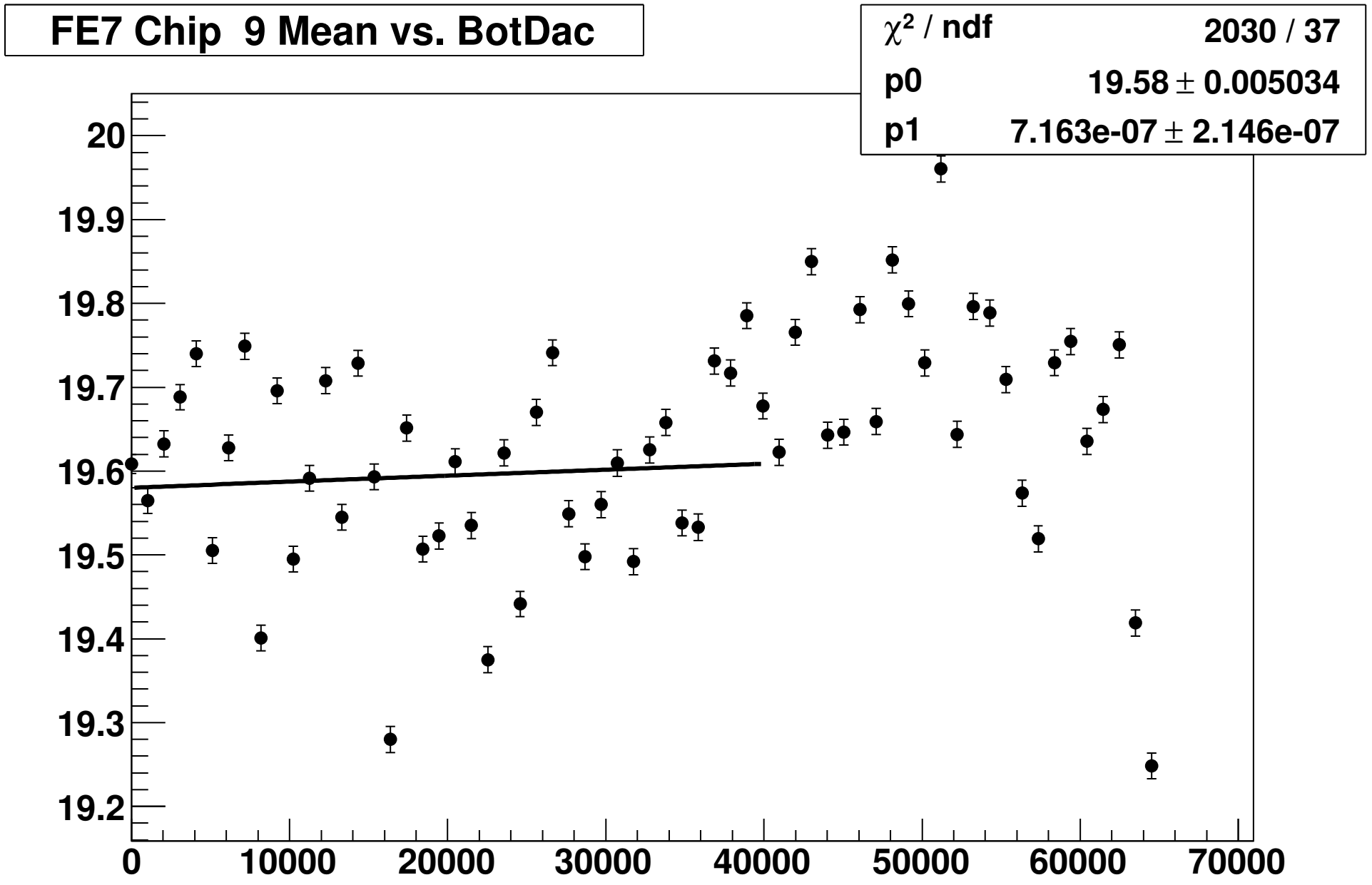

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1012 / 37
p0 1.339 ± 0.002746
p1 3.343e-05 ± 2.001e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

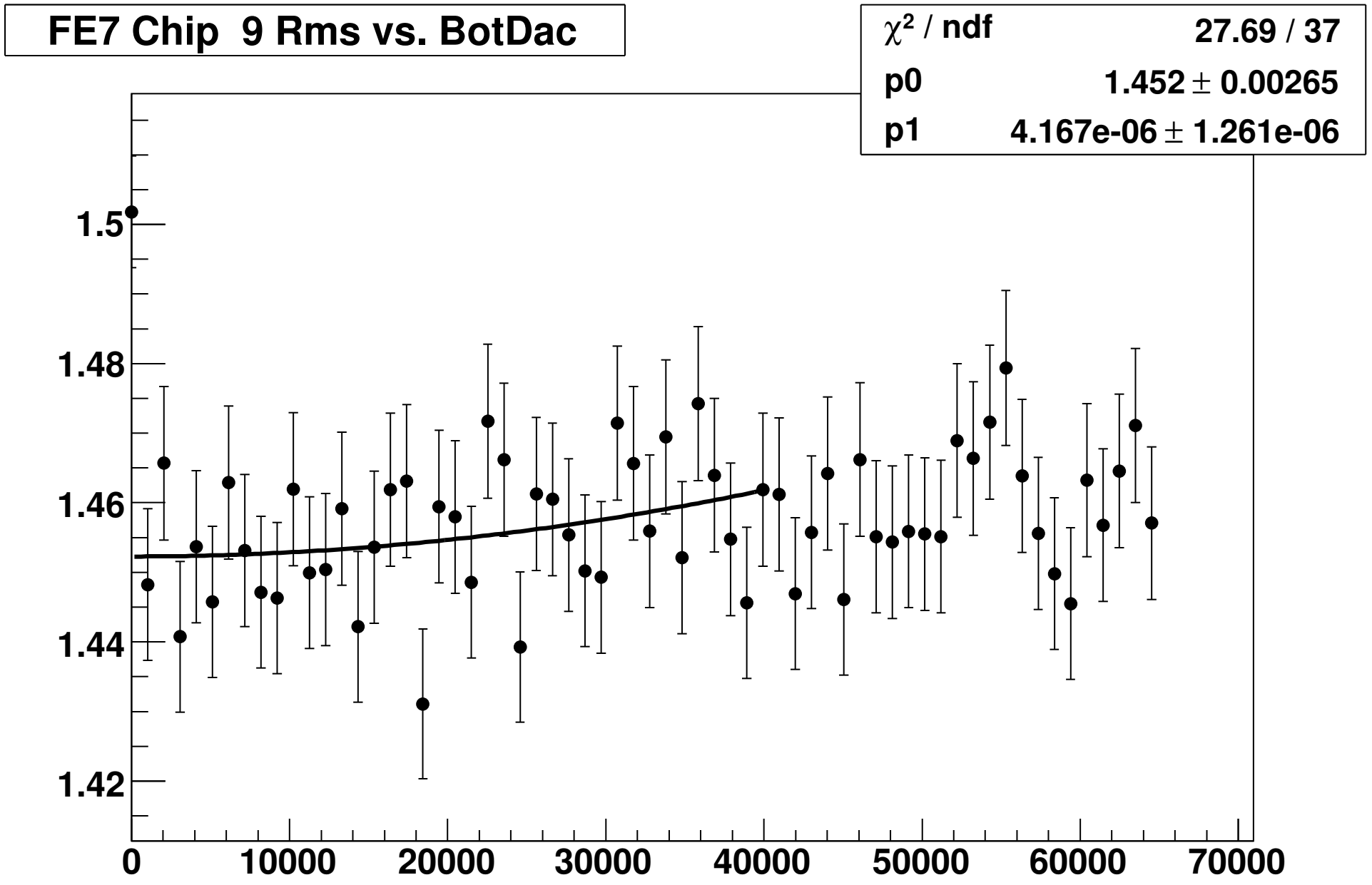

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 1997 / 37
p0 14.88 ± 0.004959
p1 1.033e-06 ± 2.111e-07
15.3
15.2
15.1
15
14.9
14.8
14.7
14.6
14.5
0
10000
20000
30000
40000
50000
60000
70000

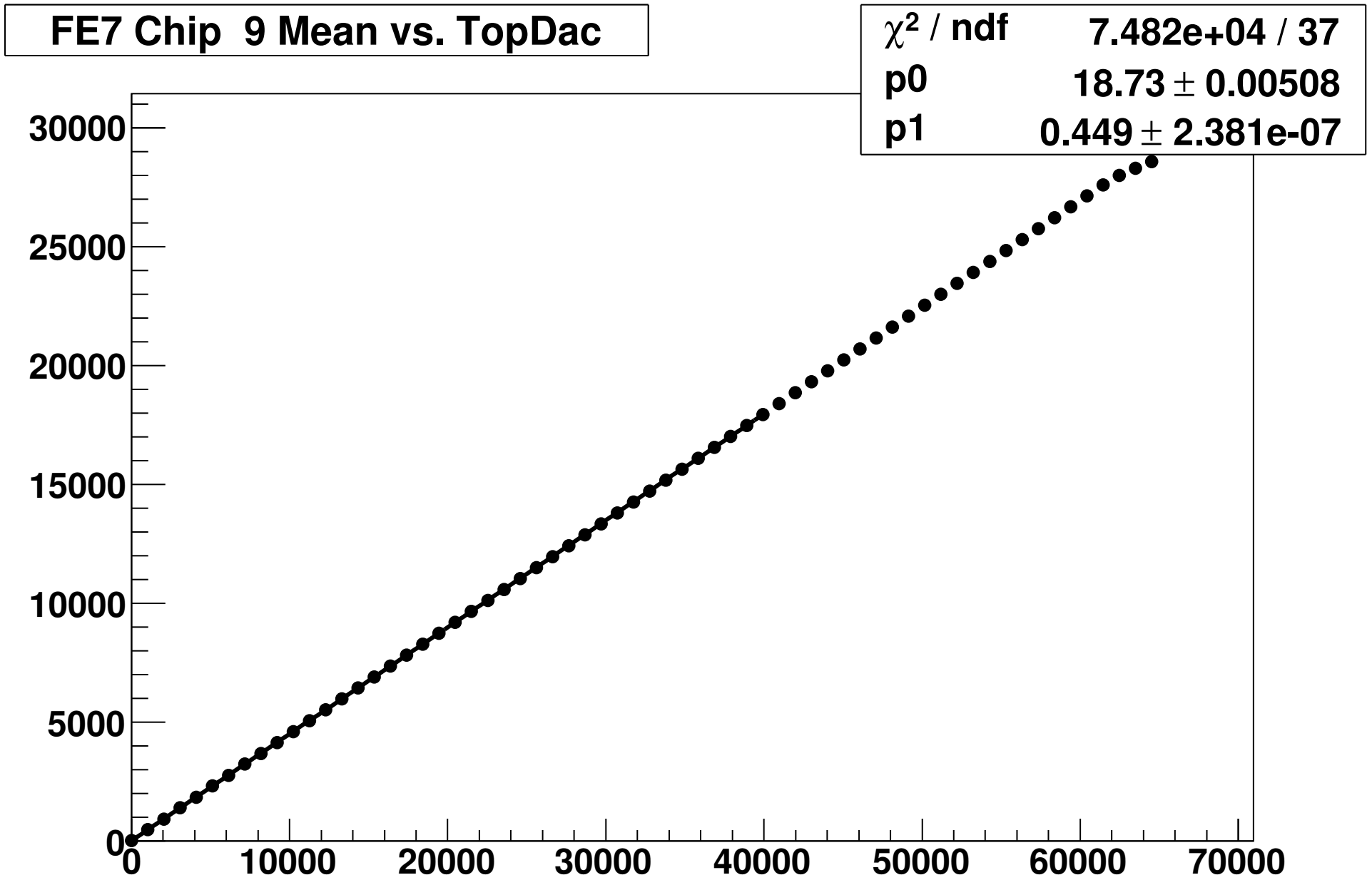

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 33.68 / 37
p0 1.433 ± 0.002613
p1 2.356e-06 ± 2.161e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

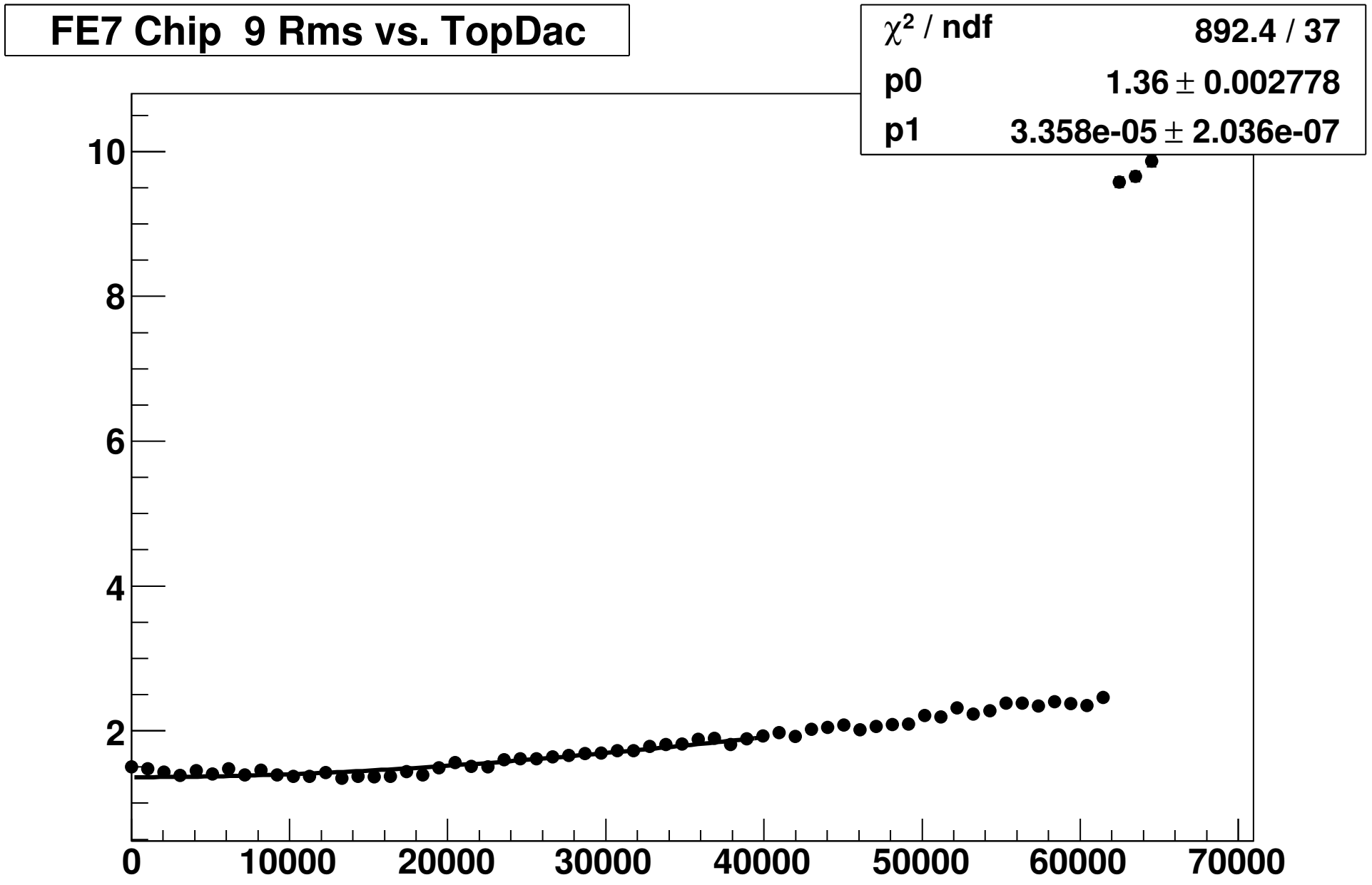

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 5.83e+04 / 37
p0 14.11 ± 0.005035
p1 0.449 ± 2.363e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

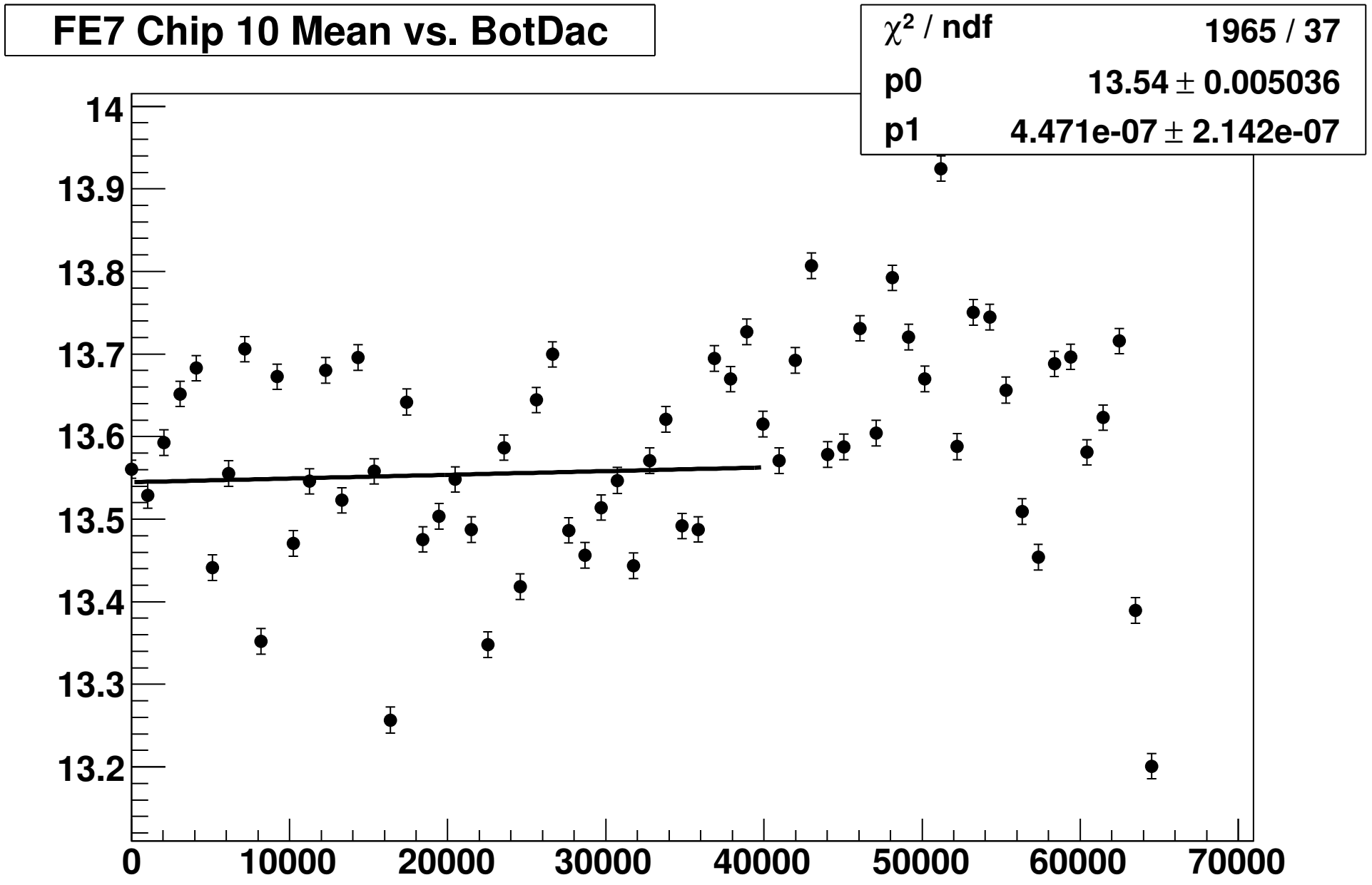

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 890.2 / 37
p0 1.342 ± 0.002752
p1 3.35e-05 ± 2.005e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

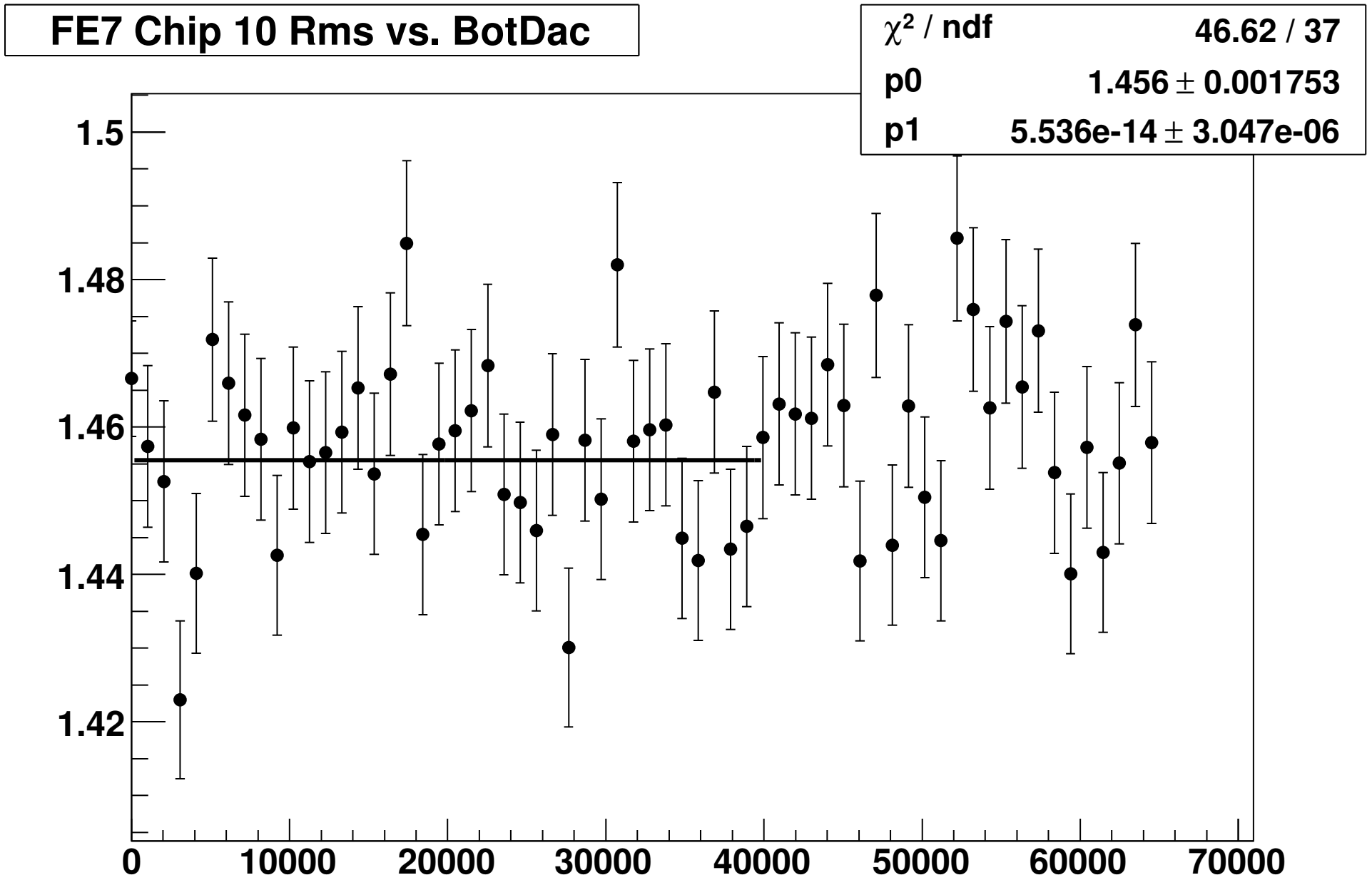

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 2030 / 37
p0 19.58 ± 0.005034
p1 7.163e-07 ± 2.146e-07
20
19.9
19.8
19.7
19.6
19.5
19.4
19.3
19.2
0
10000
20000
30000
40000
50000
60000
70000

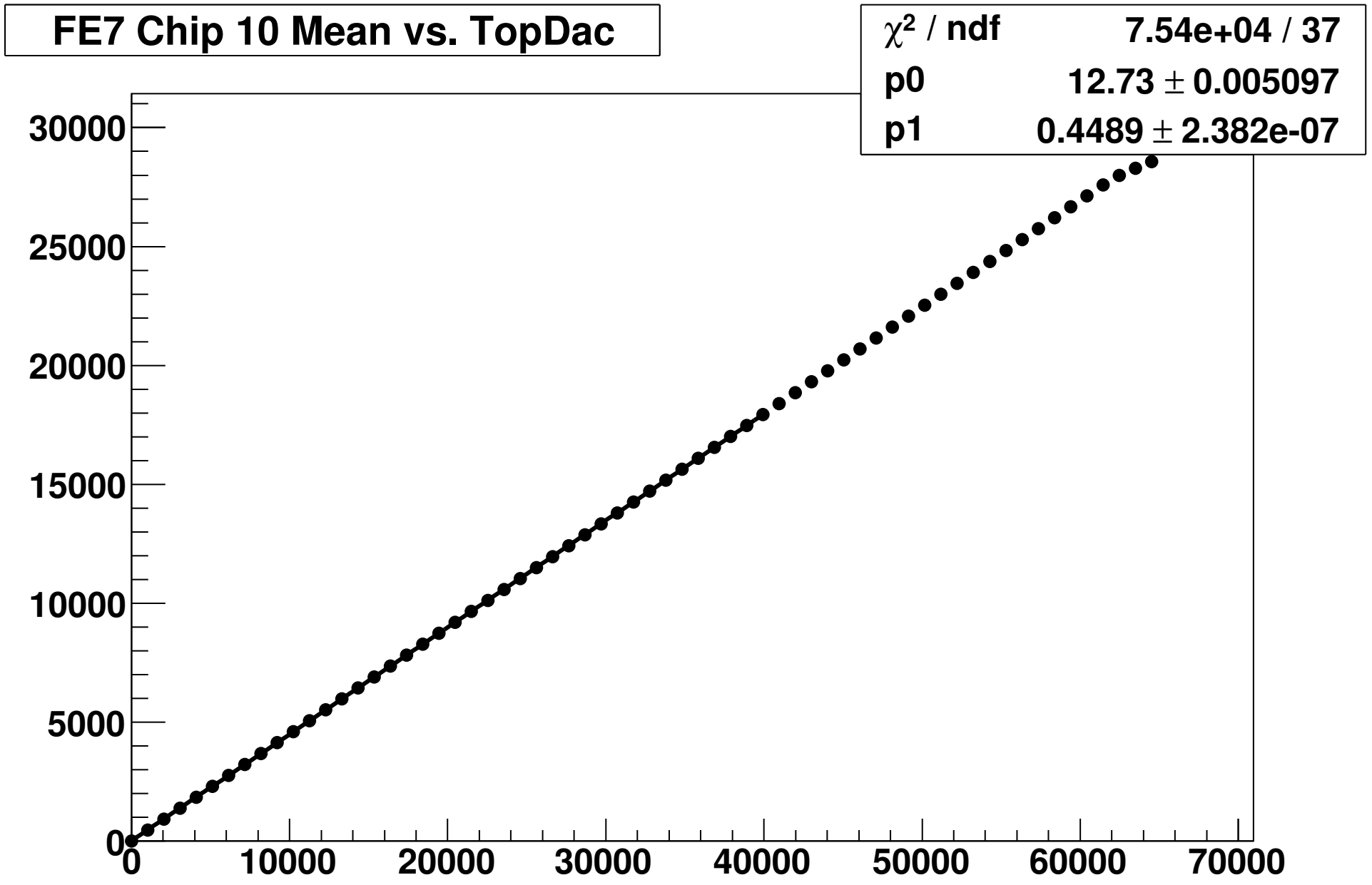

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 27.69 / 37
p0 1.452 ± 0.00265
p1 4.167e-06 ± 1.261e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

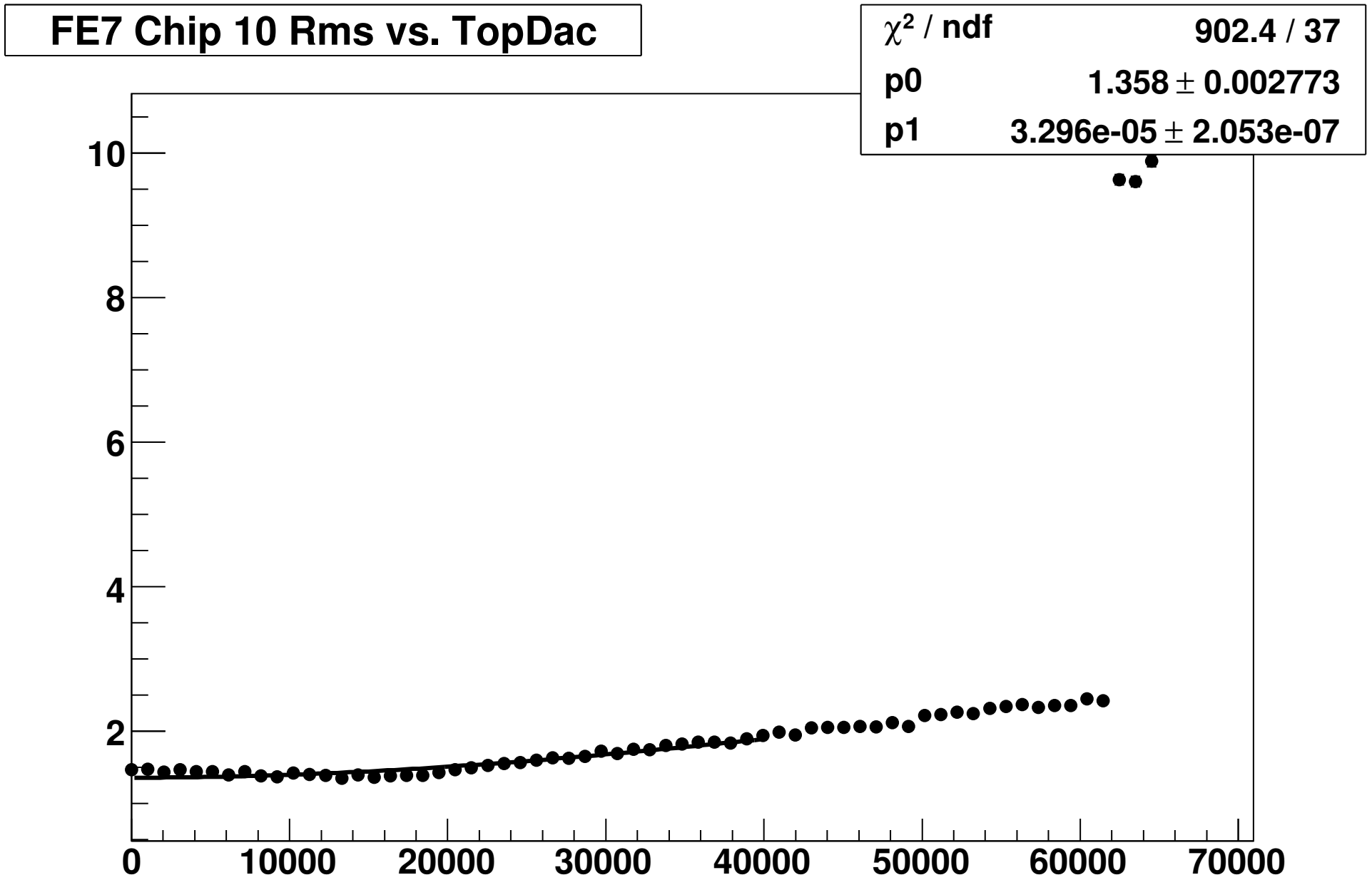

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 7.482e+04 / 37
p0 18.73 ± 0.00508
p1 0.449 ± 2.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

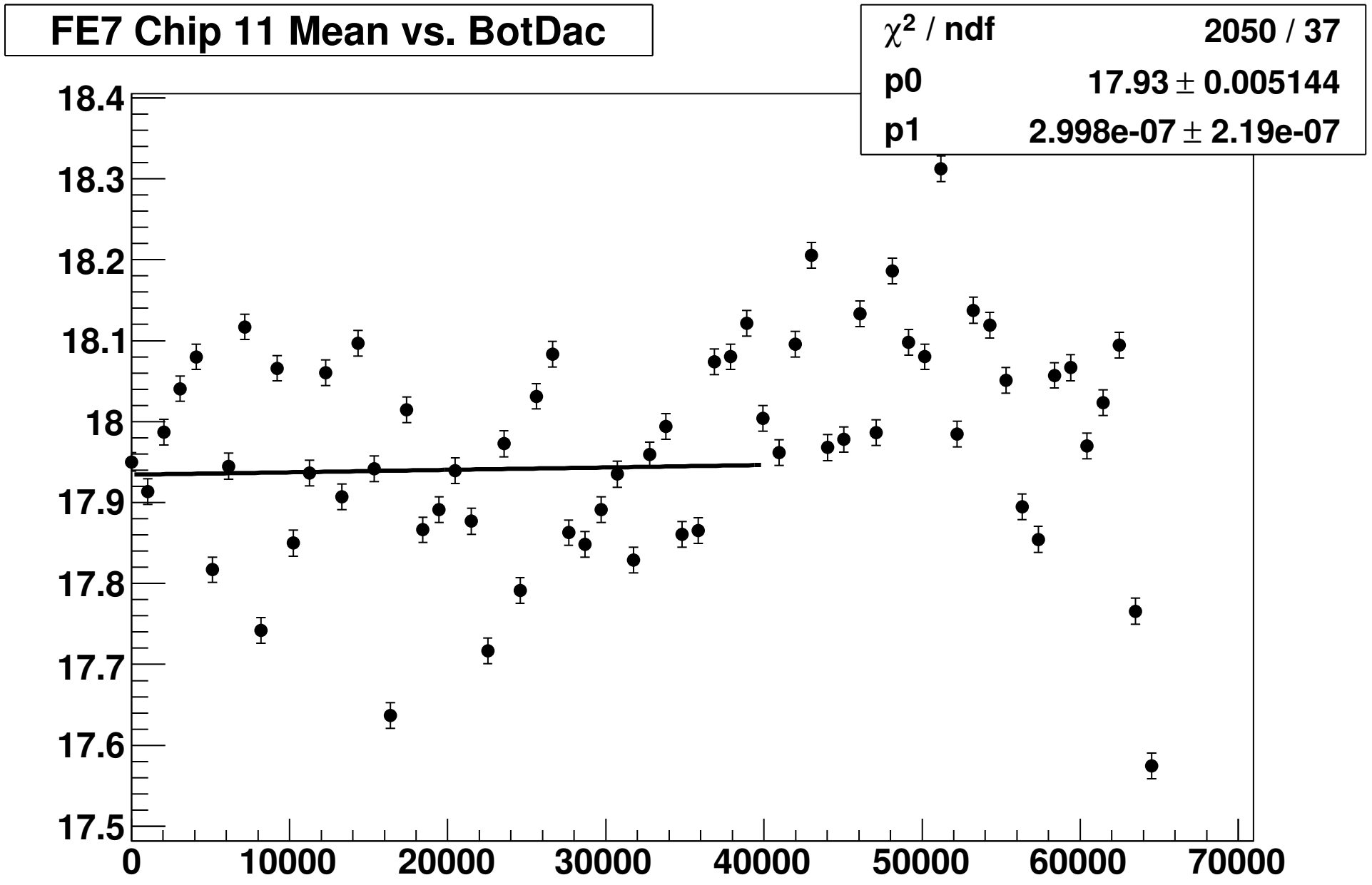

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 892.4 / 37
p0 1.36 ± 0.002778
p1 3.358e-05 ± 2.036e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

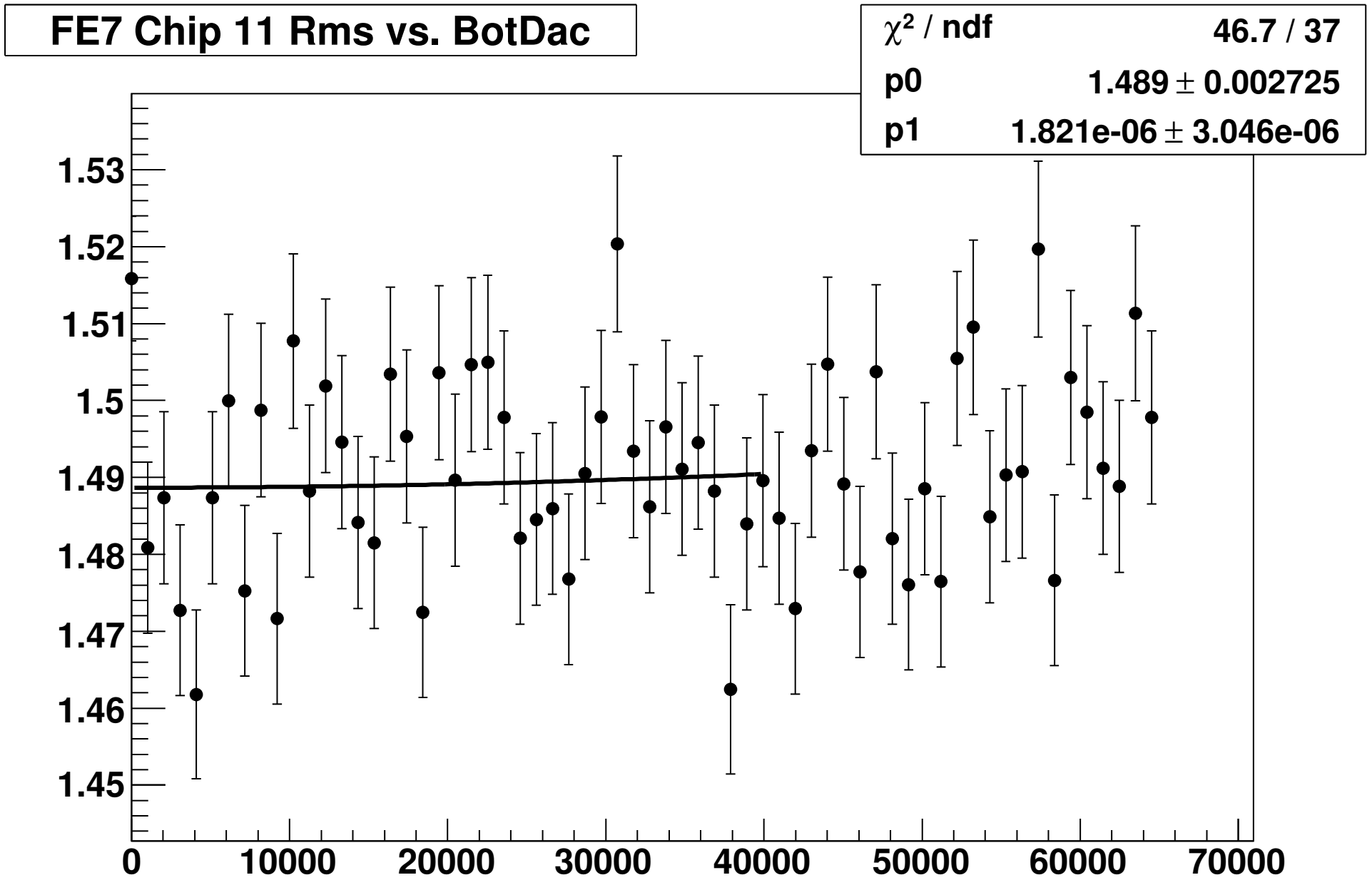

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 1965 / 37
p0 13.54 ± 0.005036
p1 4.471e-07 ± 2.142e-07
14
13.9
13.8
13.7
13.6
13.5
13.4
13.3
13.2
0
10000
20000
30000
40000
50000
60000
70000

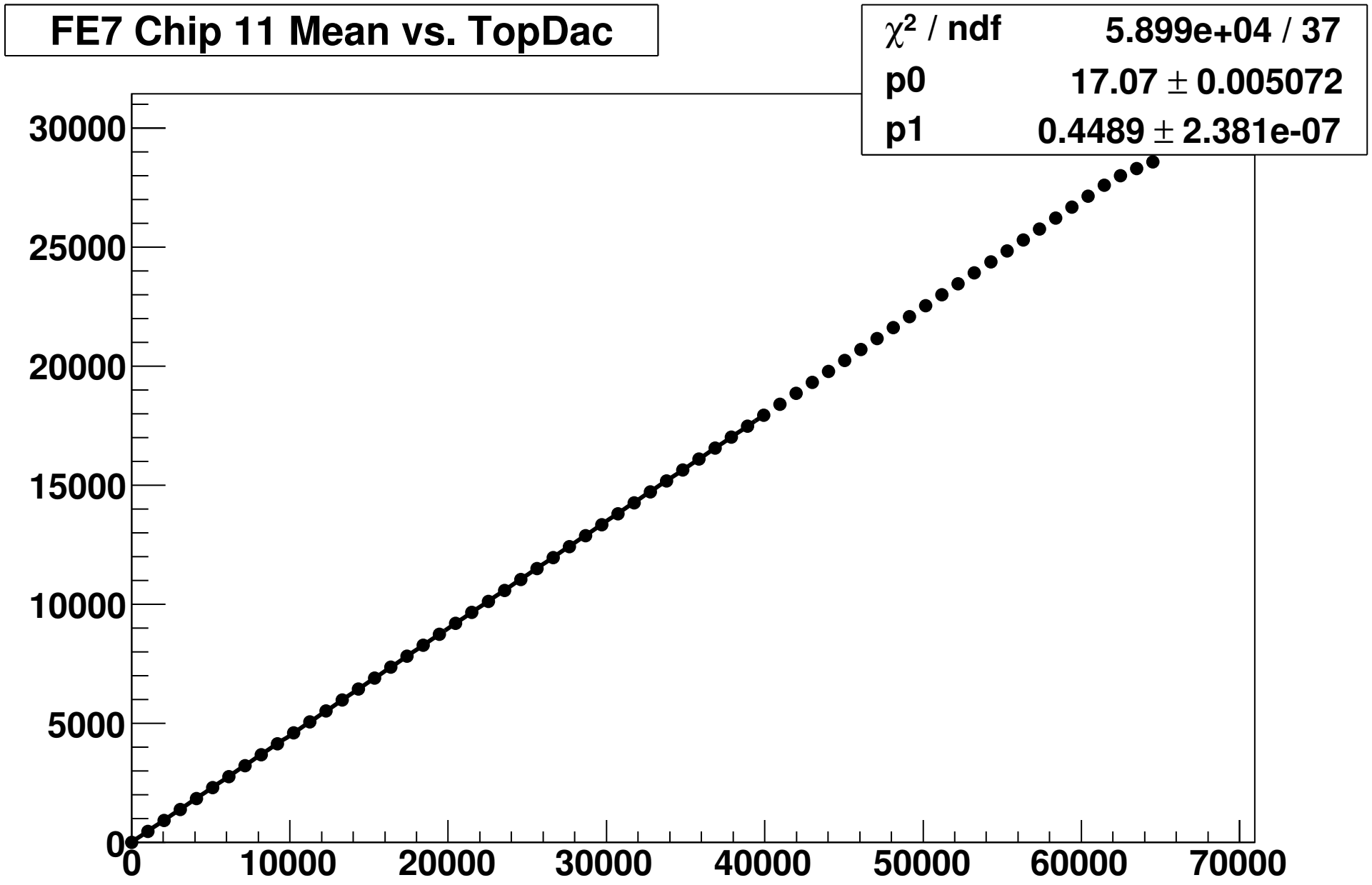

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 46.62 / 37
p0 1.456 ± 0.001753
p1 5.536e-14 ± 3.047e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

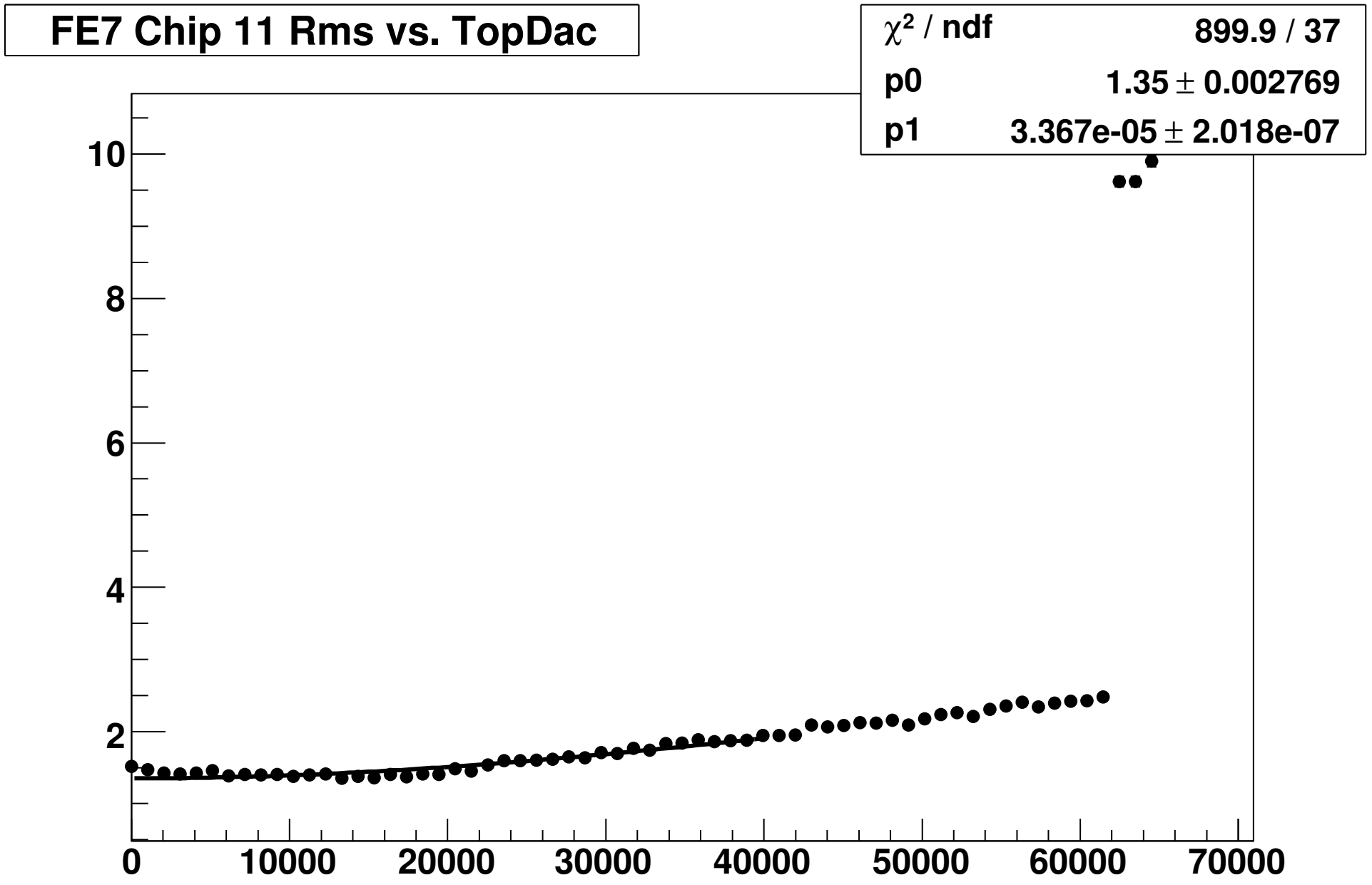

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 7.54e+04 / 37
p0 12.73 ± 0.005097
p1 0.4489 ± 2.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

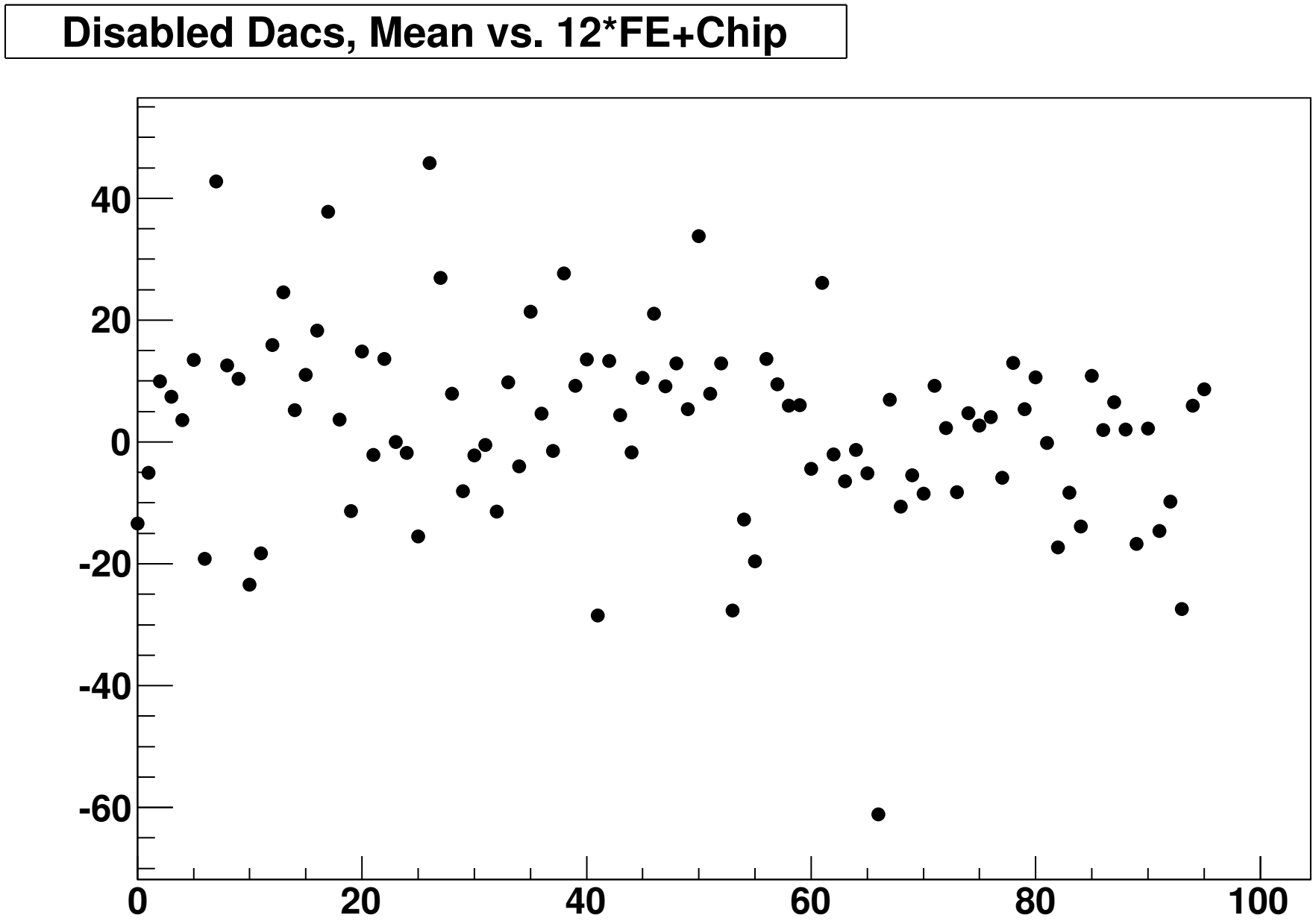

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 902.4 / 37
p0 1.358 ± 0.002773
p1 3.296e-05 ± 2.053e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

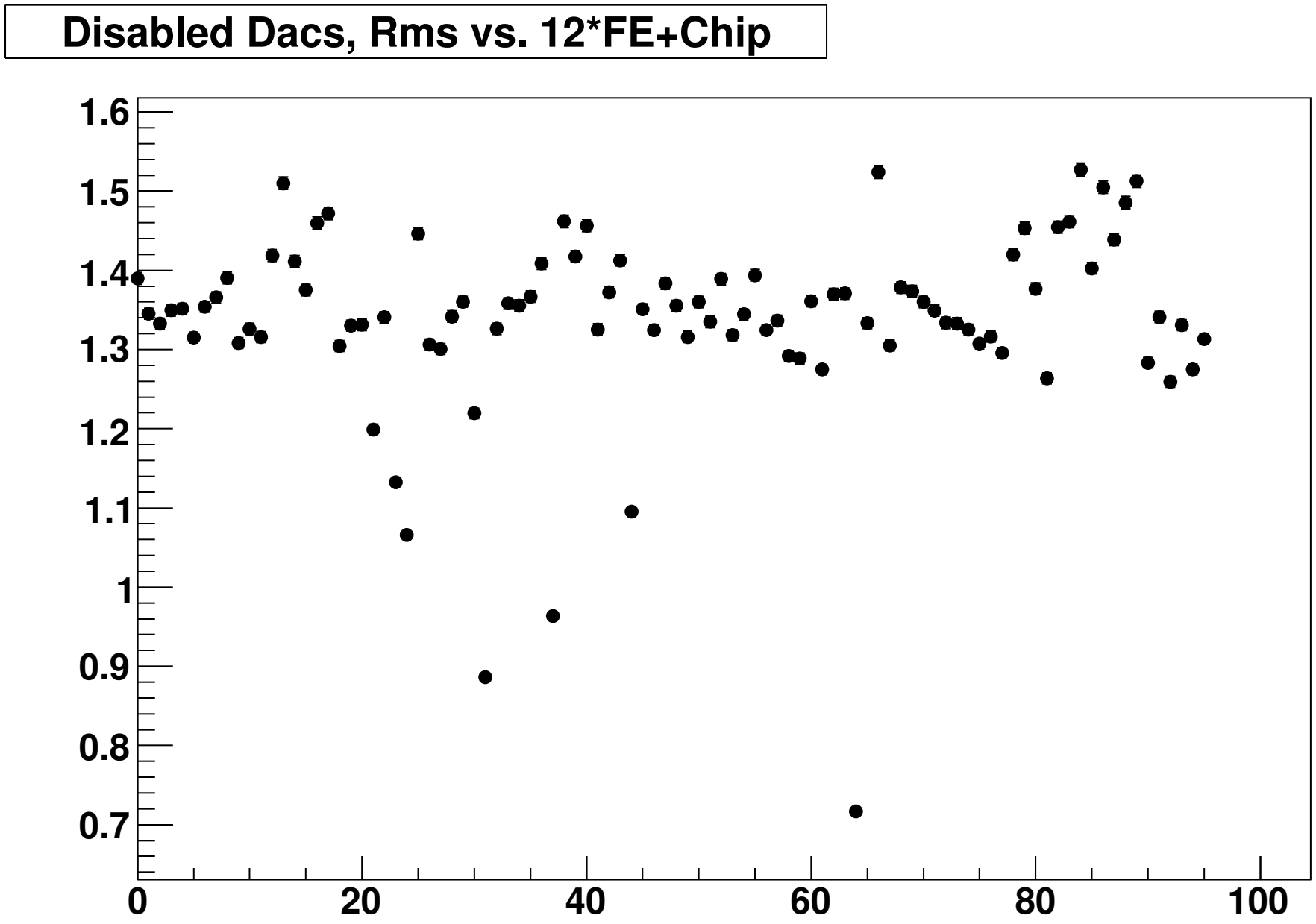

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 2050 / 37
p0 17.93 ± 0.005144
p1 2.998e-07 ± 2.19e-07
18.4
18.3
18.2
18.1
18
17.9
17.8
17.7
17.6
17.5
0
10000
20000
30000
40000
50000
60000
70000

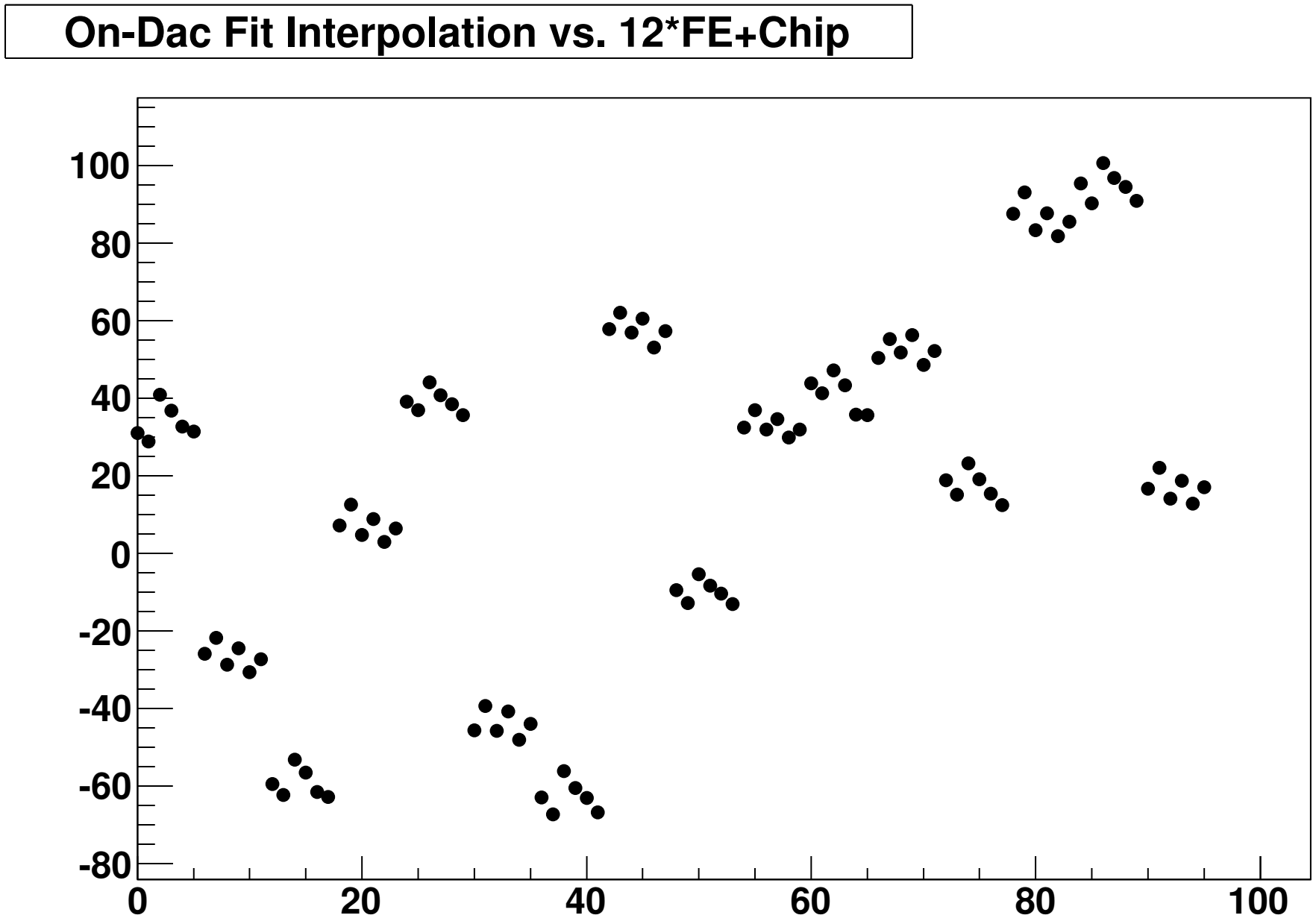

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 46.7 / 37
p0 1.489 ± 0.002725
p1 1.821e-06 ± 3.046e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

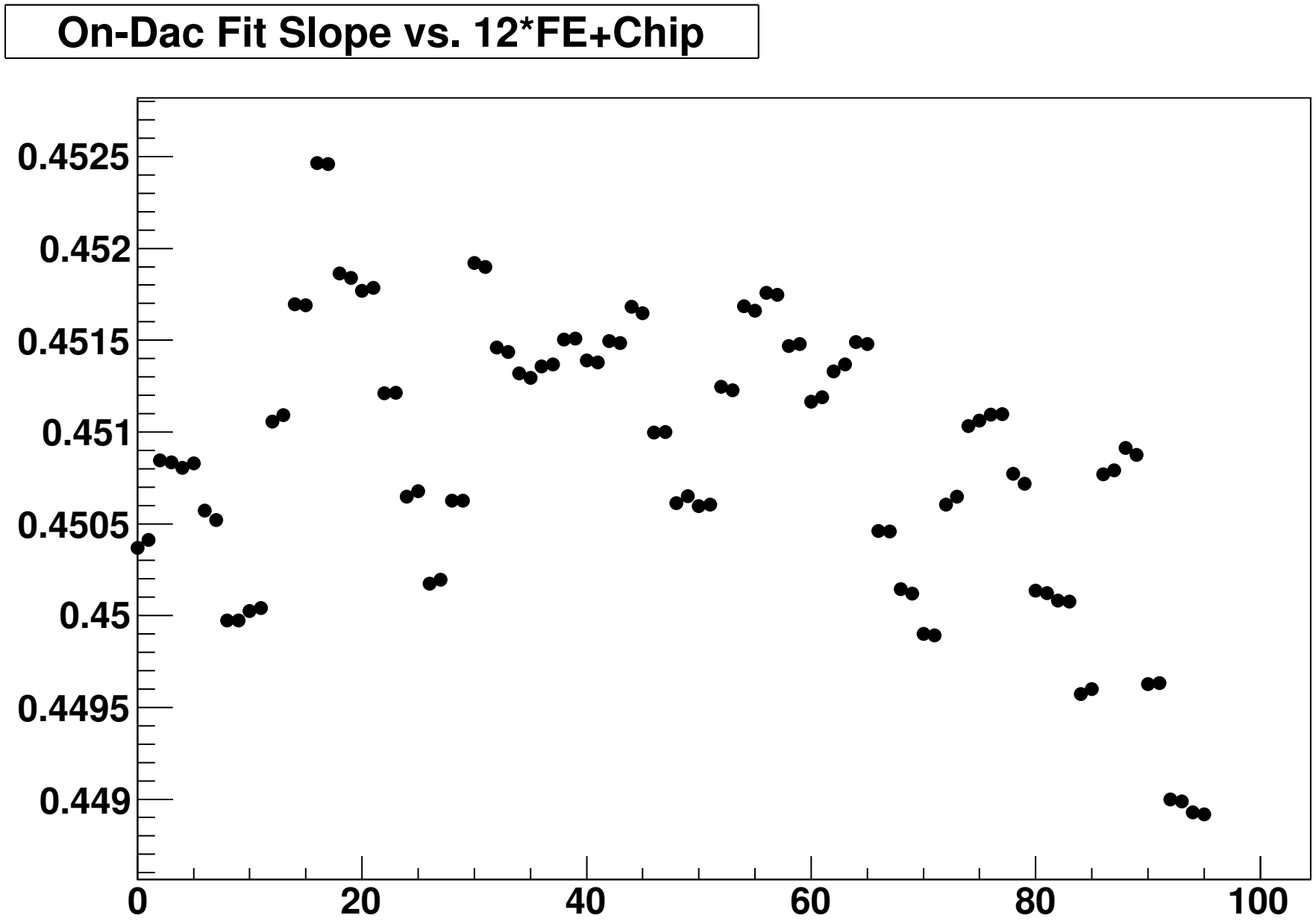

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 5.899e+04 / 37
p0 17.07 ± 0.005072
p1 0.4489 ± 2.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

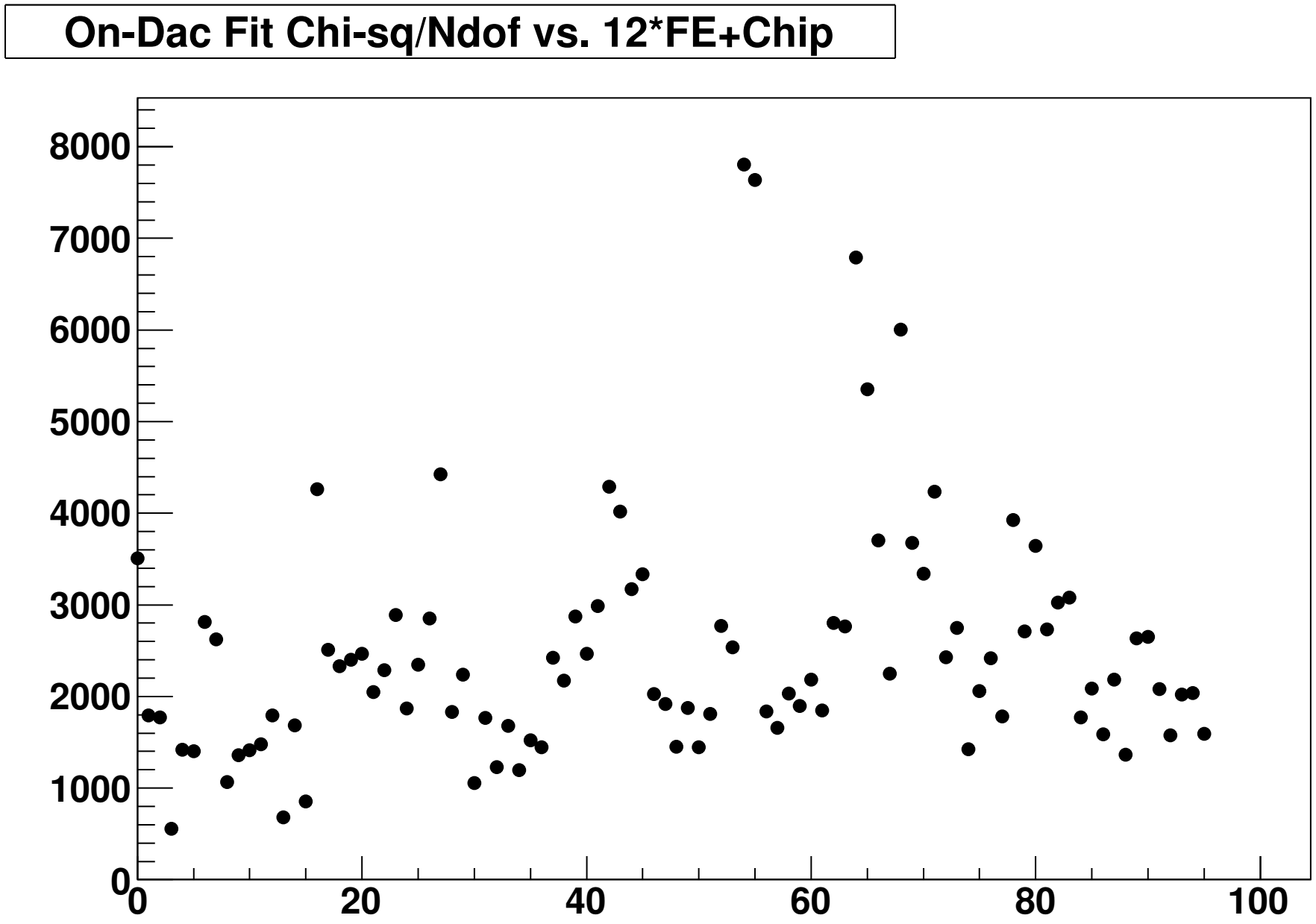

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 899.9 / 37
p0 1.35 ± 0.002769
p1 3.367e-05 ± 2.018e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

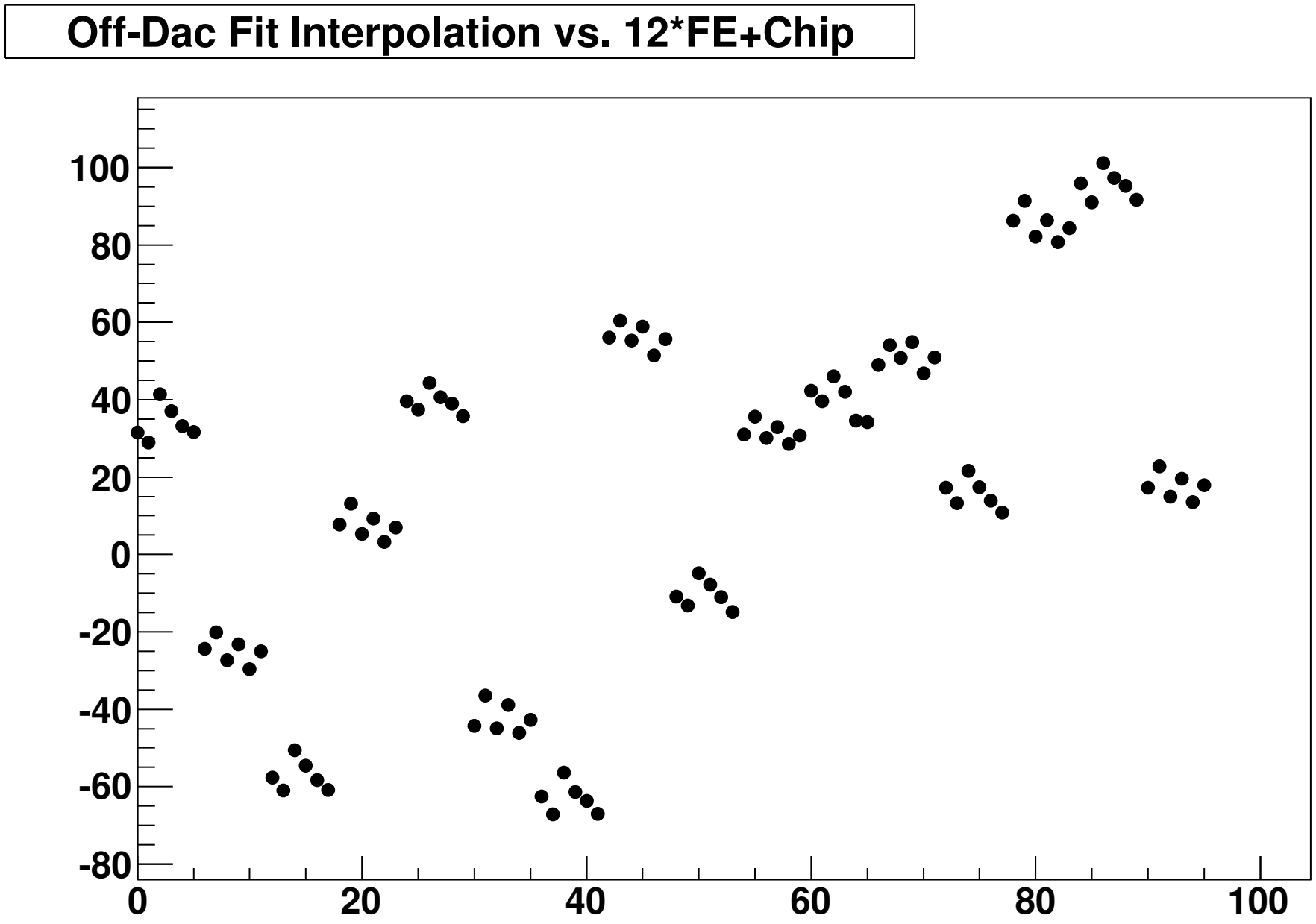

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
-60
0
20
40
60
80
100

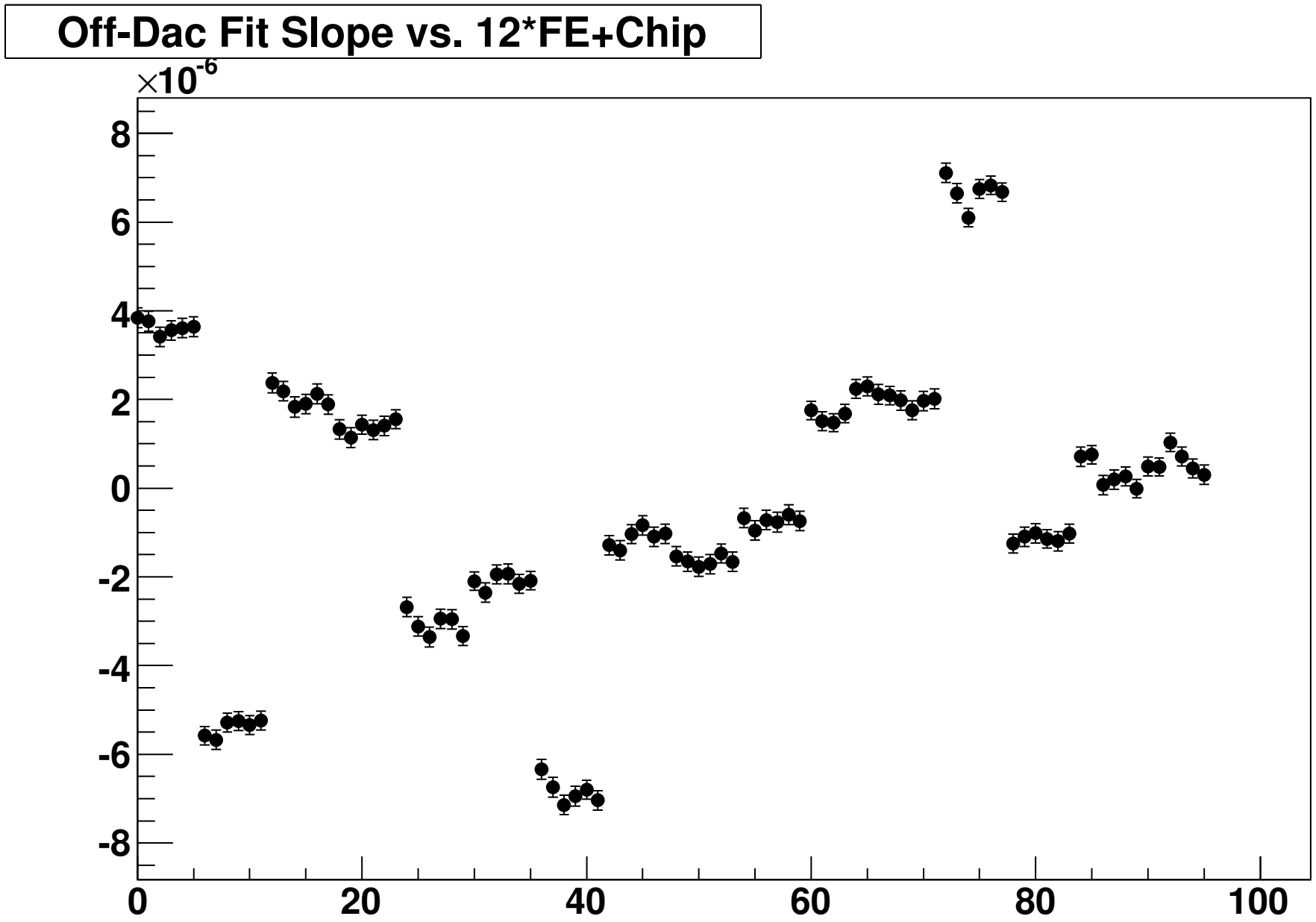

Disabled Dacs, Rms vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0
20
40
60
80
100

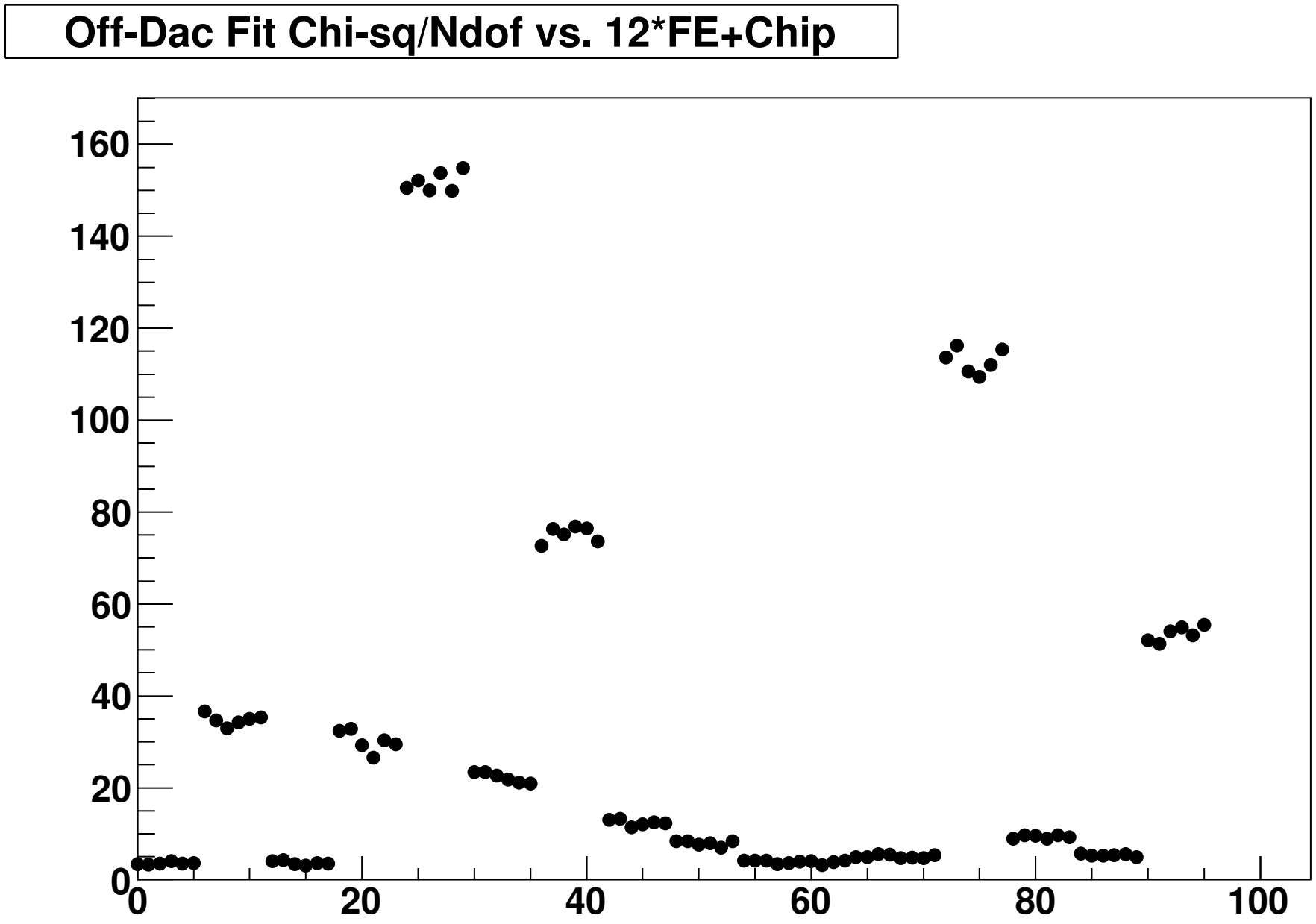

On-Dac Fit Interpolation vs. 12*FE+Chip
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

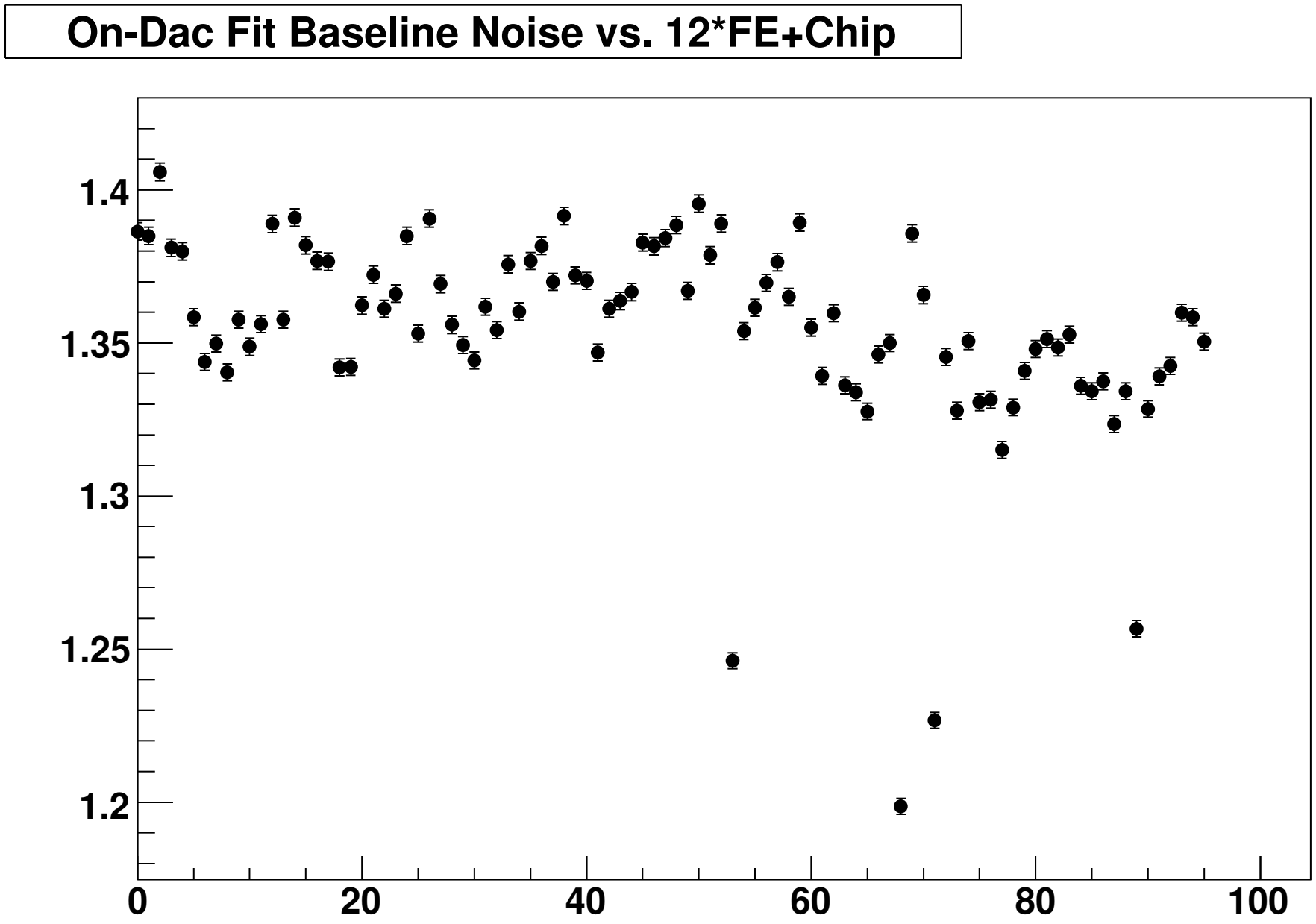

On-Dac Fit Slope vs. 12*FE+Chip
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0.449
0
20
40
60
80
100

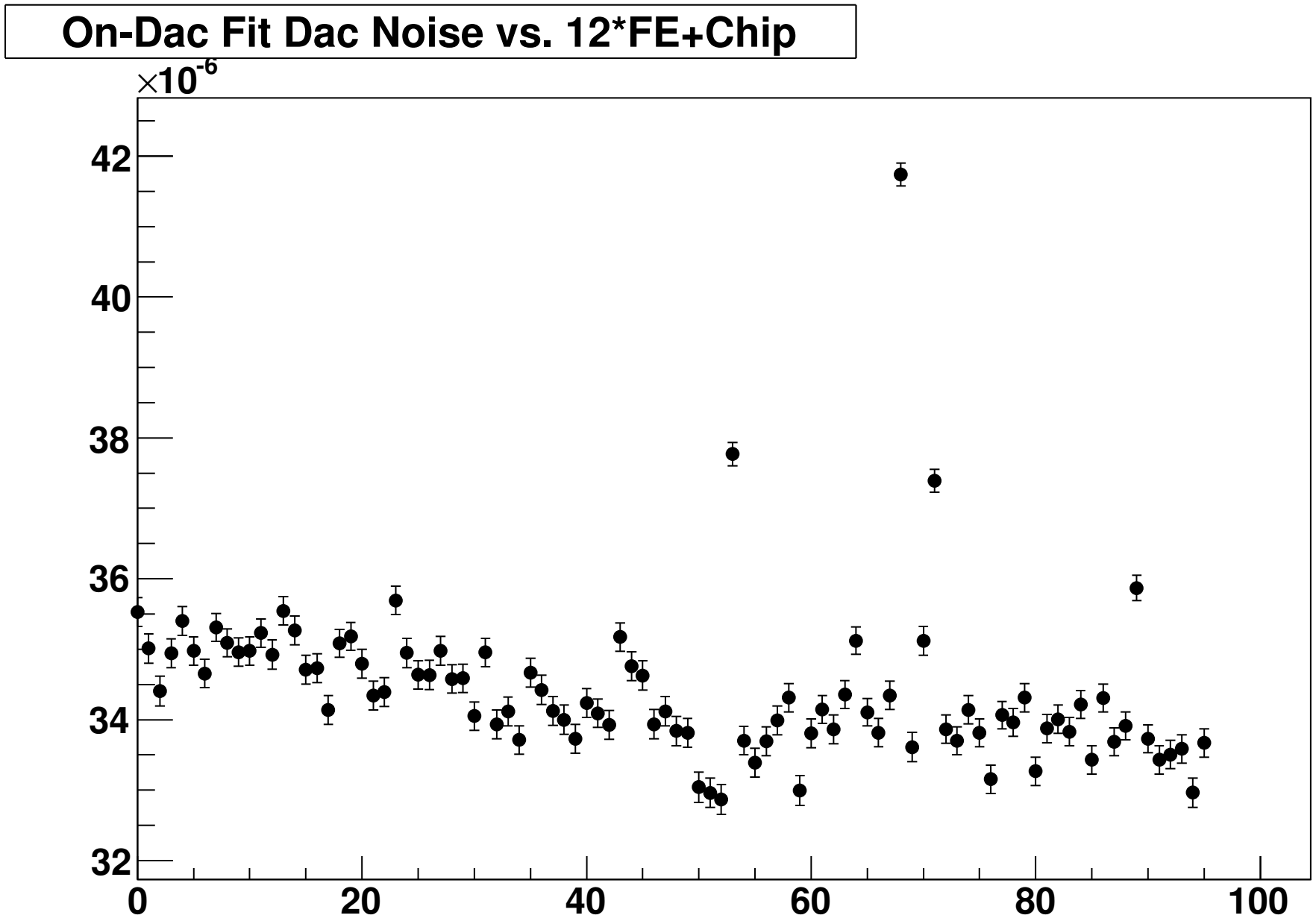

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

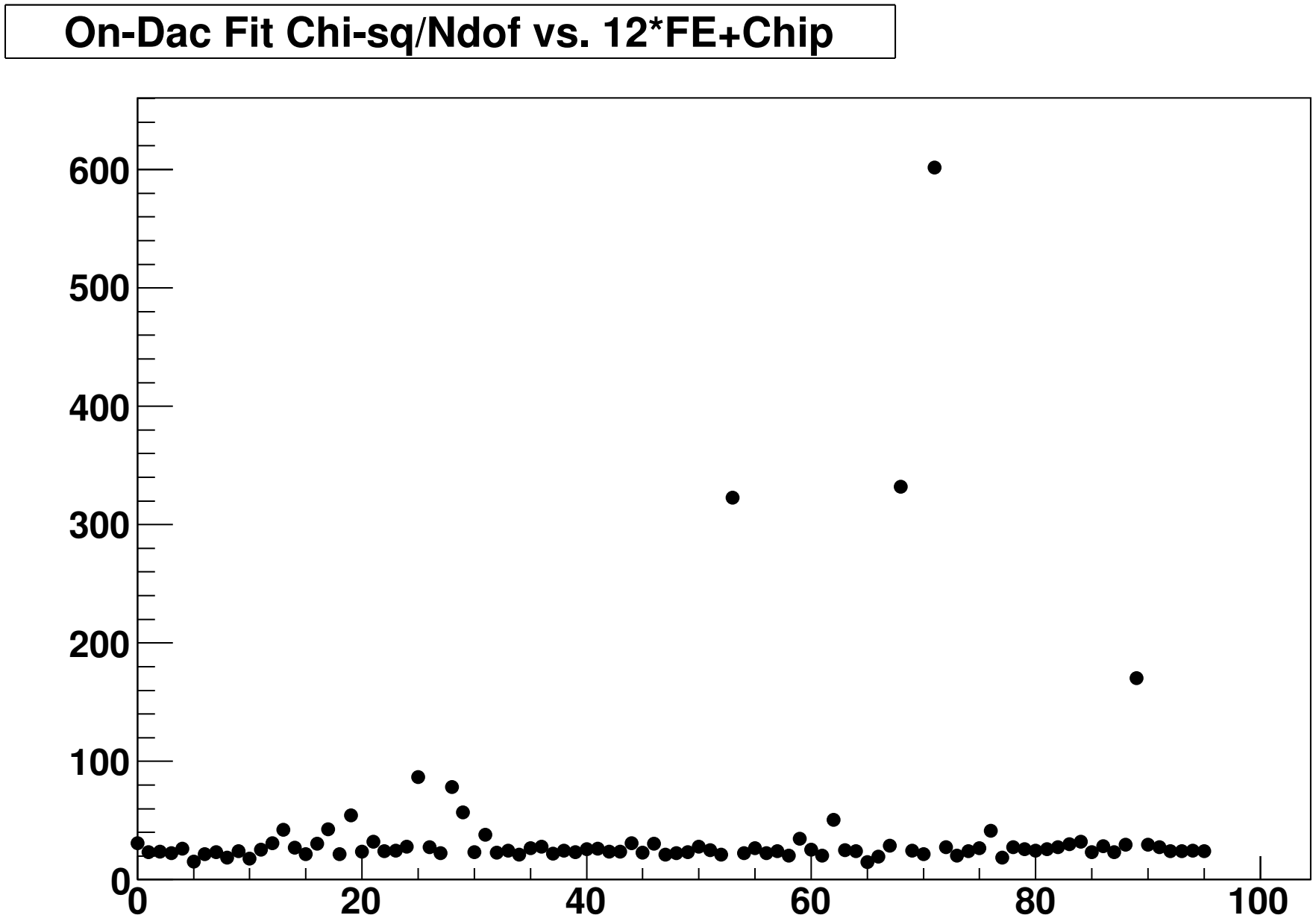

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

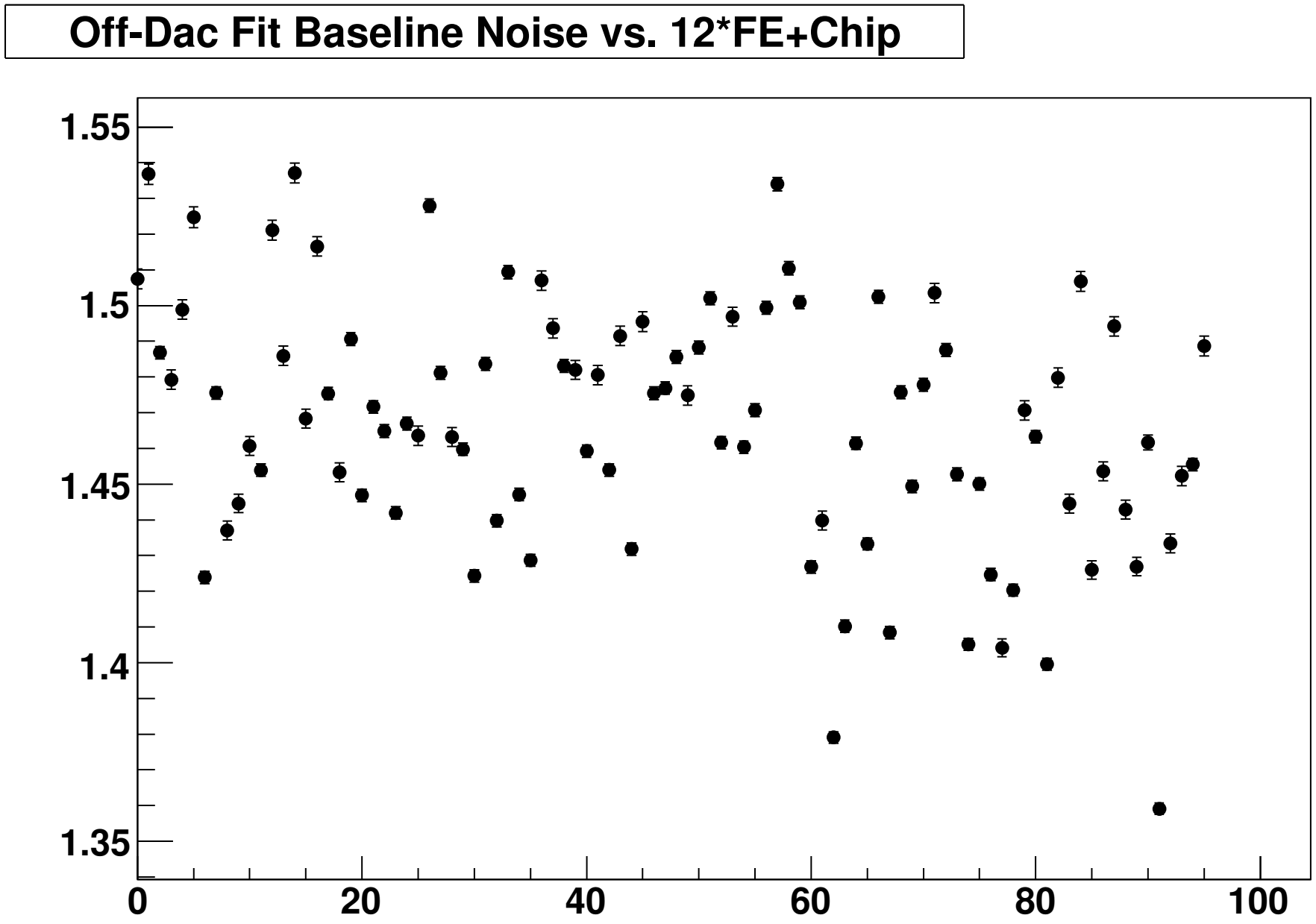

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100

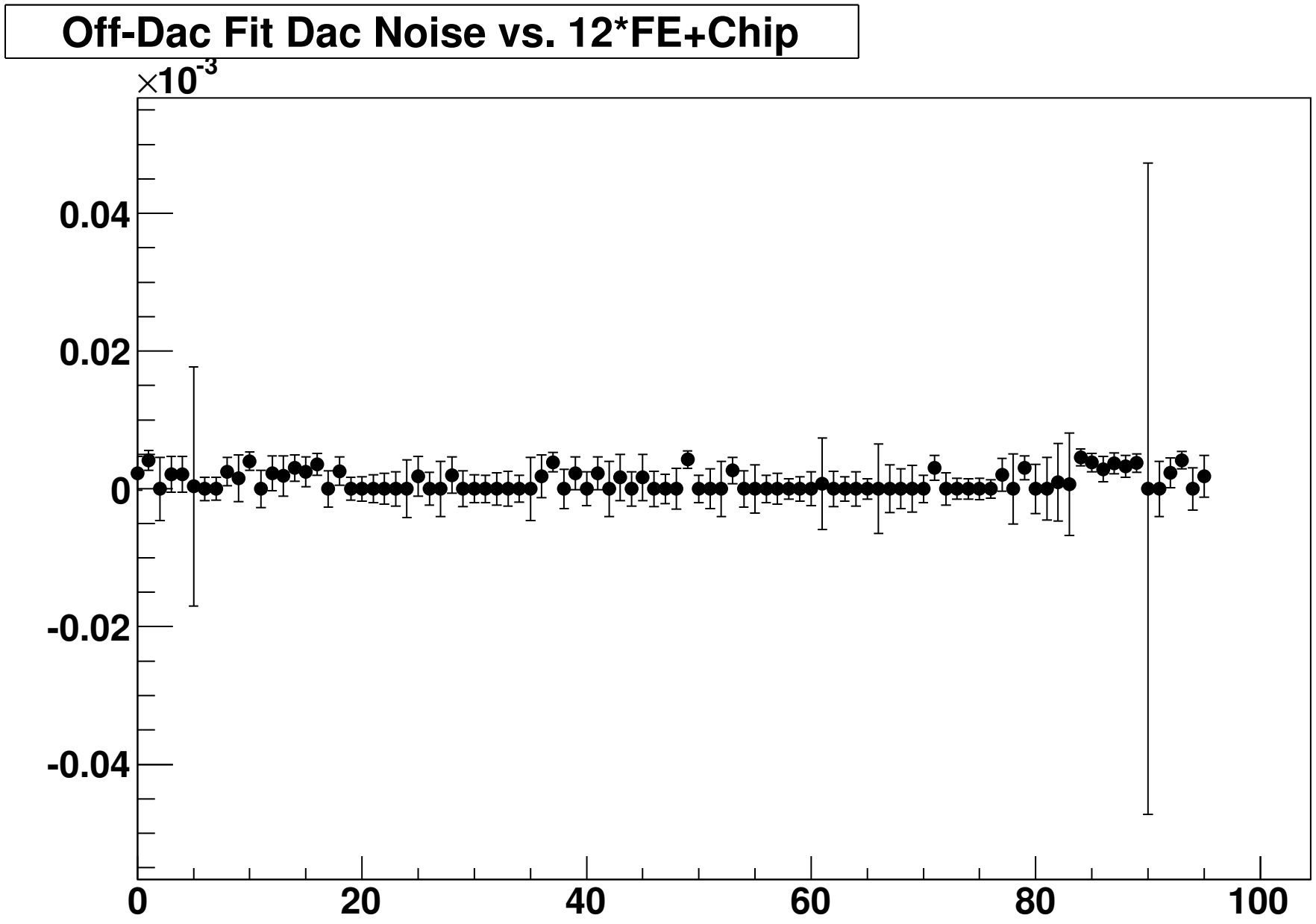

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

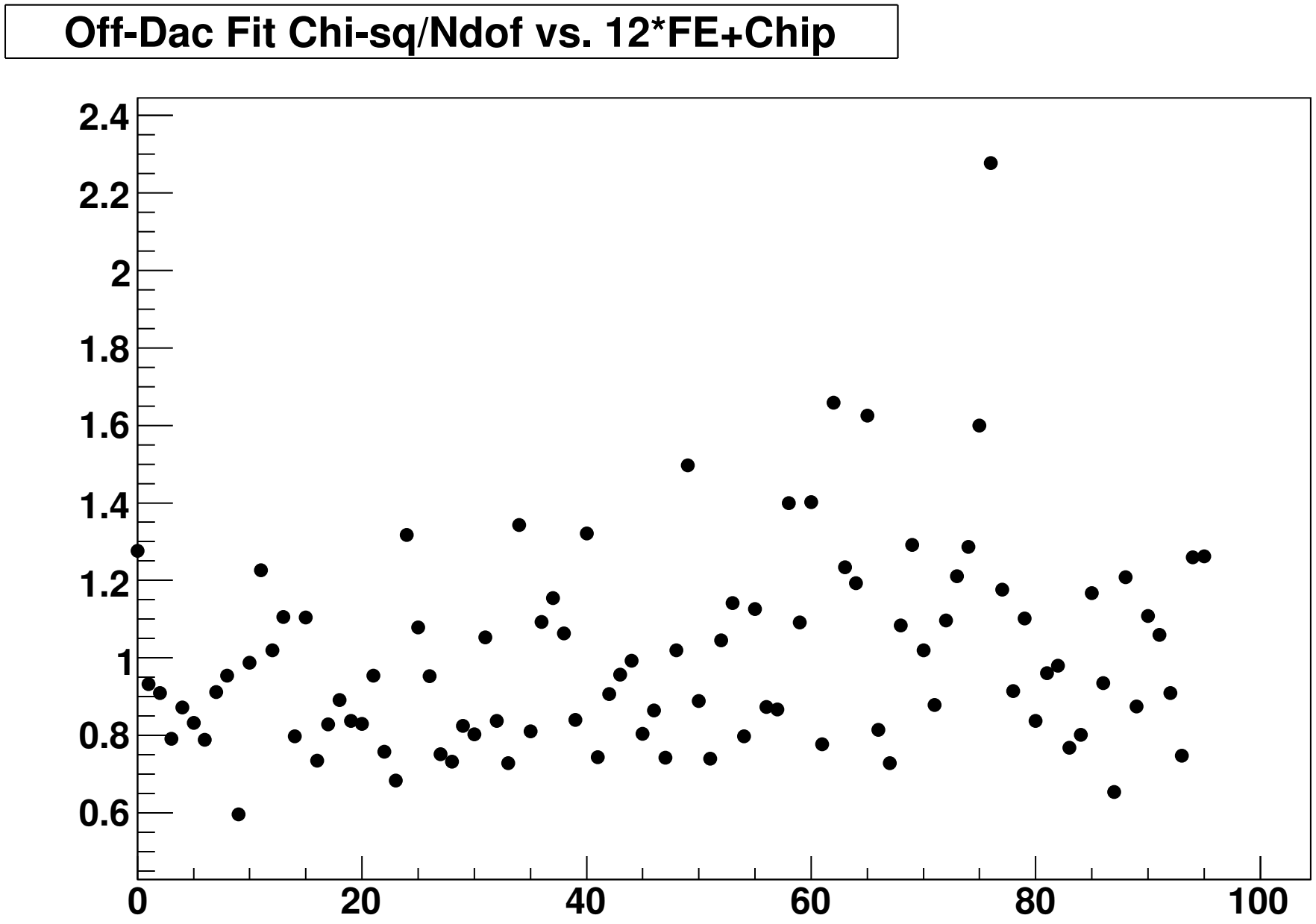

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.4
1.35
1.3
1.25
1.2
0
20
40
60
80
100

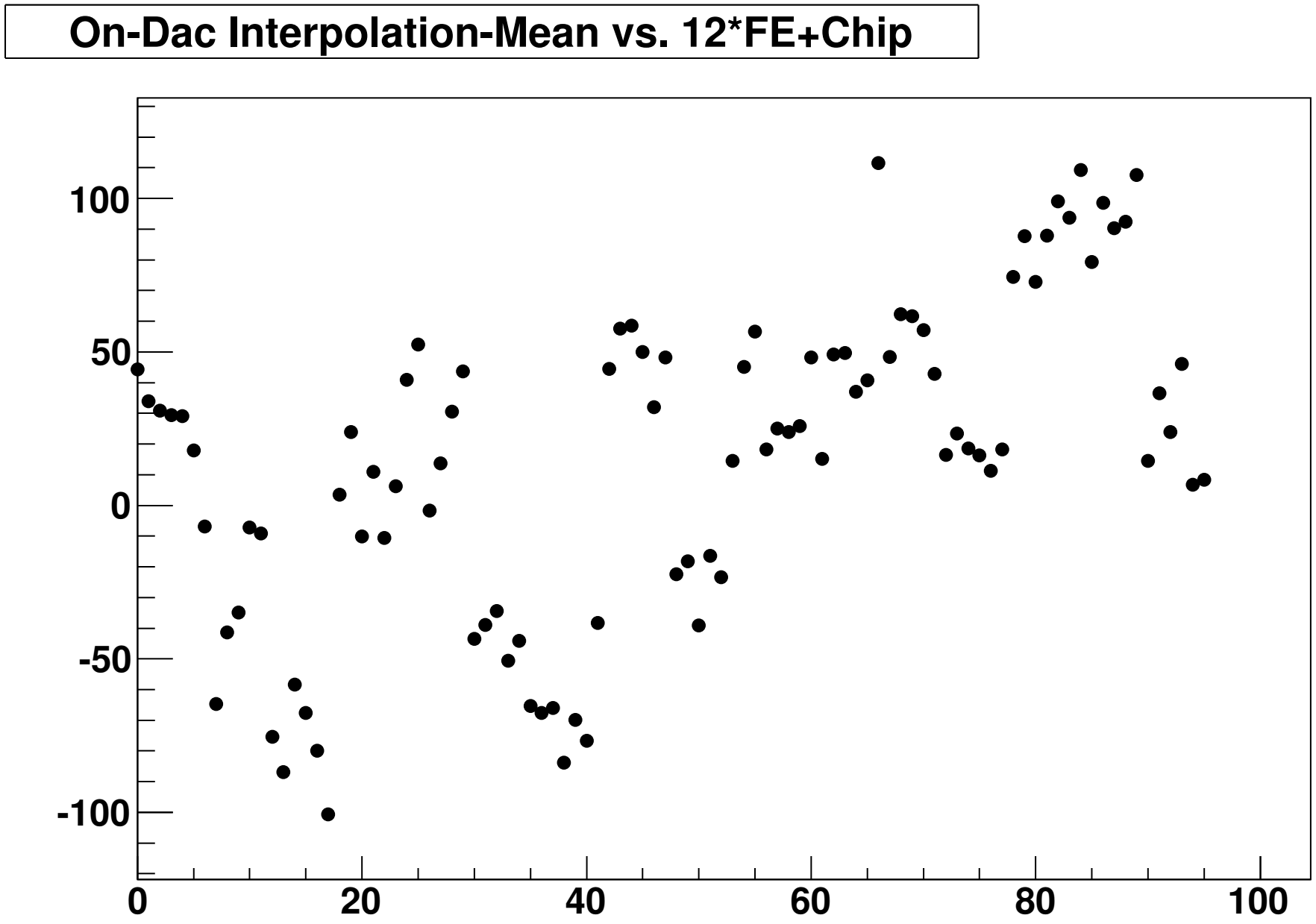

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
42
40
38
36
34
32
0
20
40
60
80
100

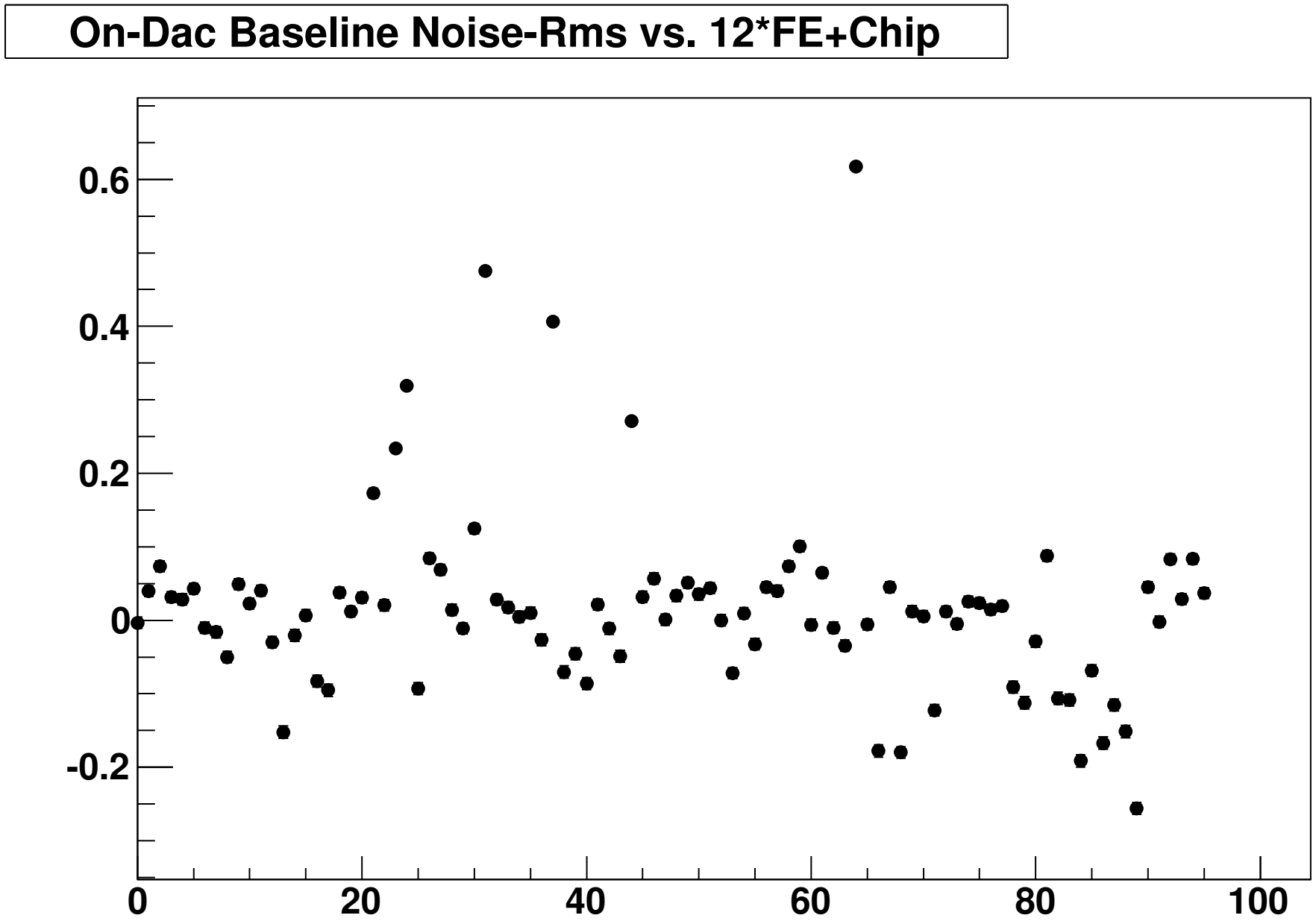

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
600
500
400
300
200
100
0
0
20
40
60
80
100

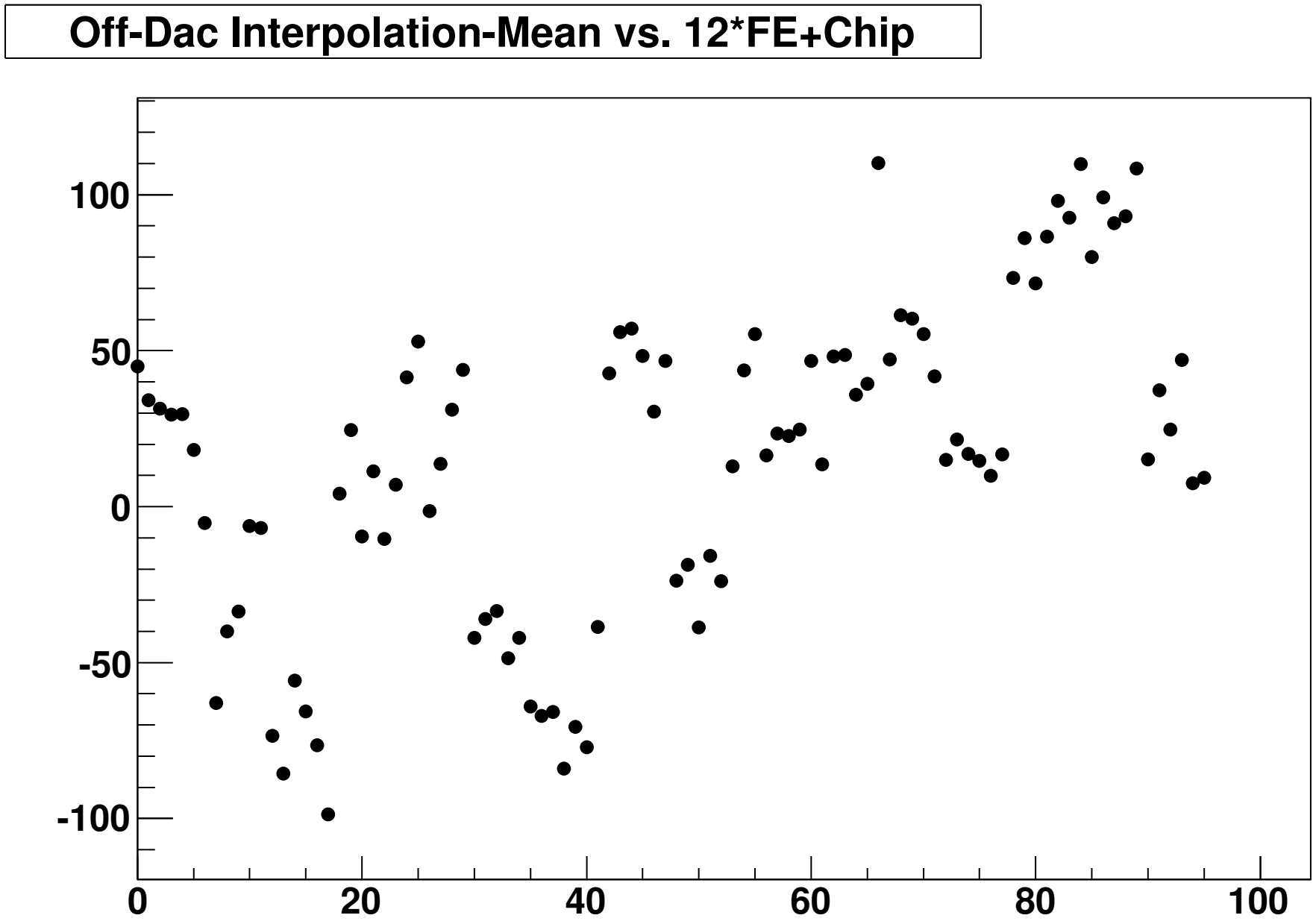

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.55
1.5
1.45
1.4
1.35
0
20
40
60
80
100

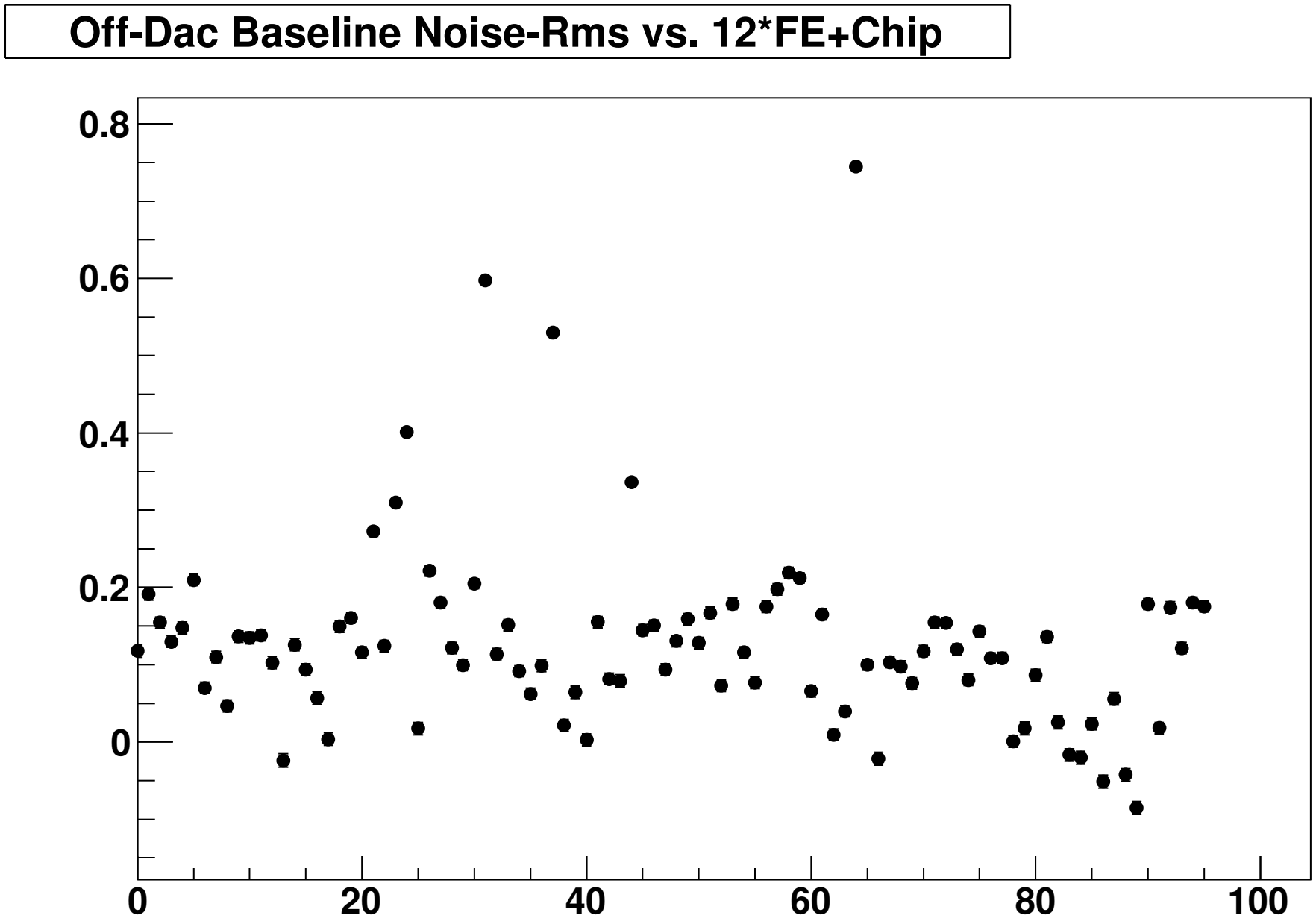

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
20
40
60
80
100


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


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