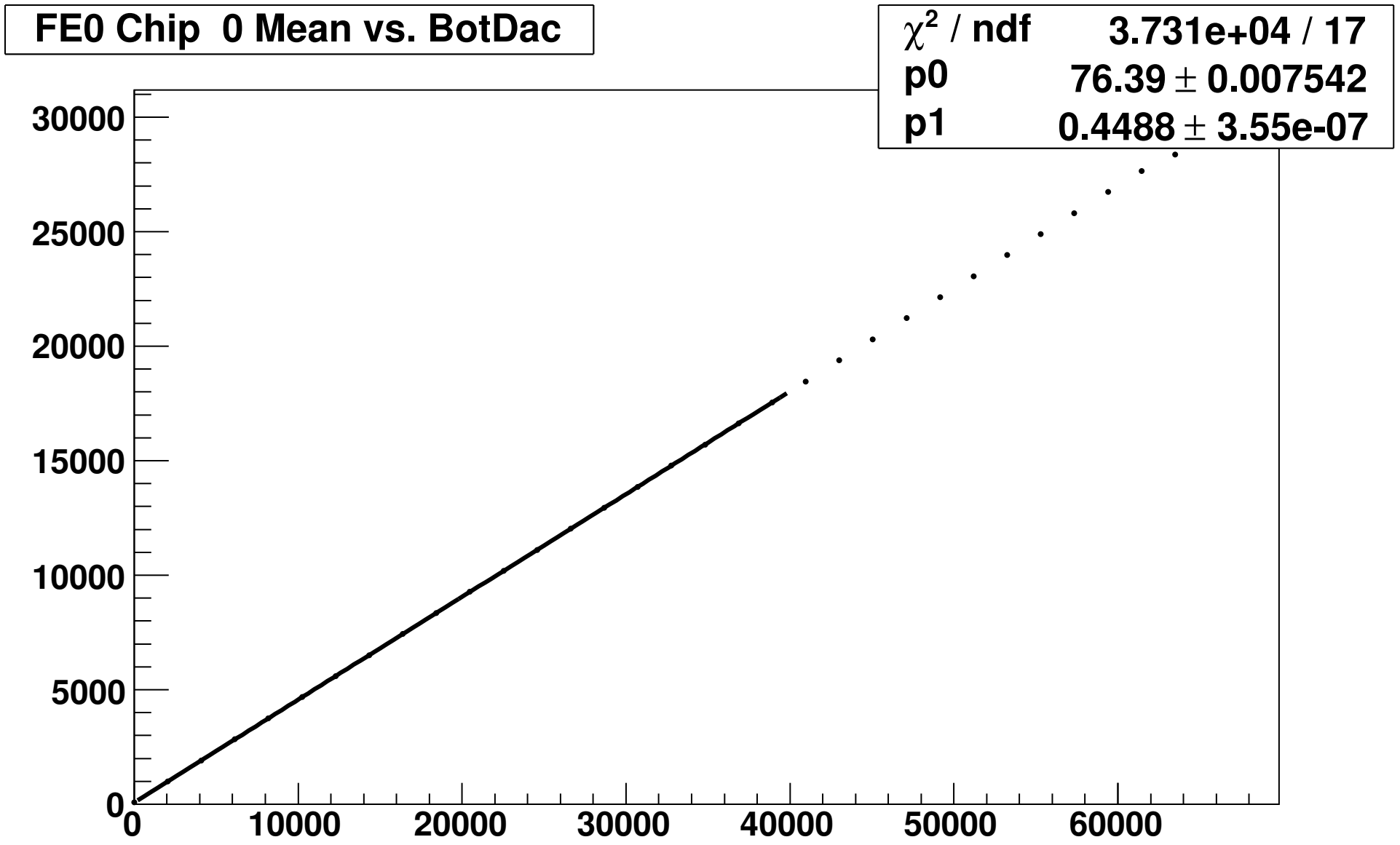
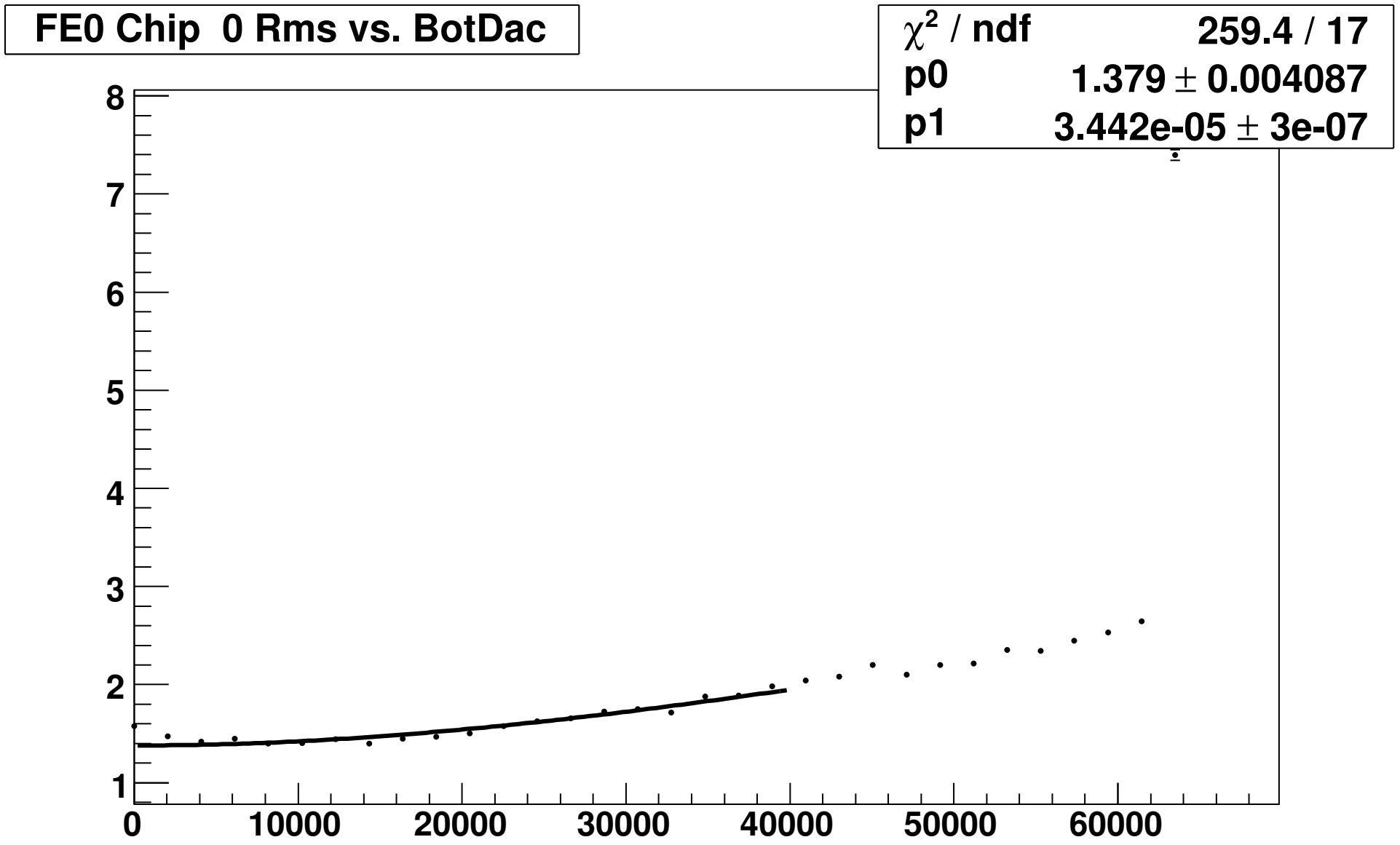
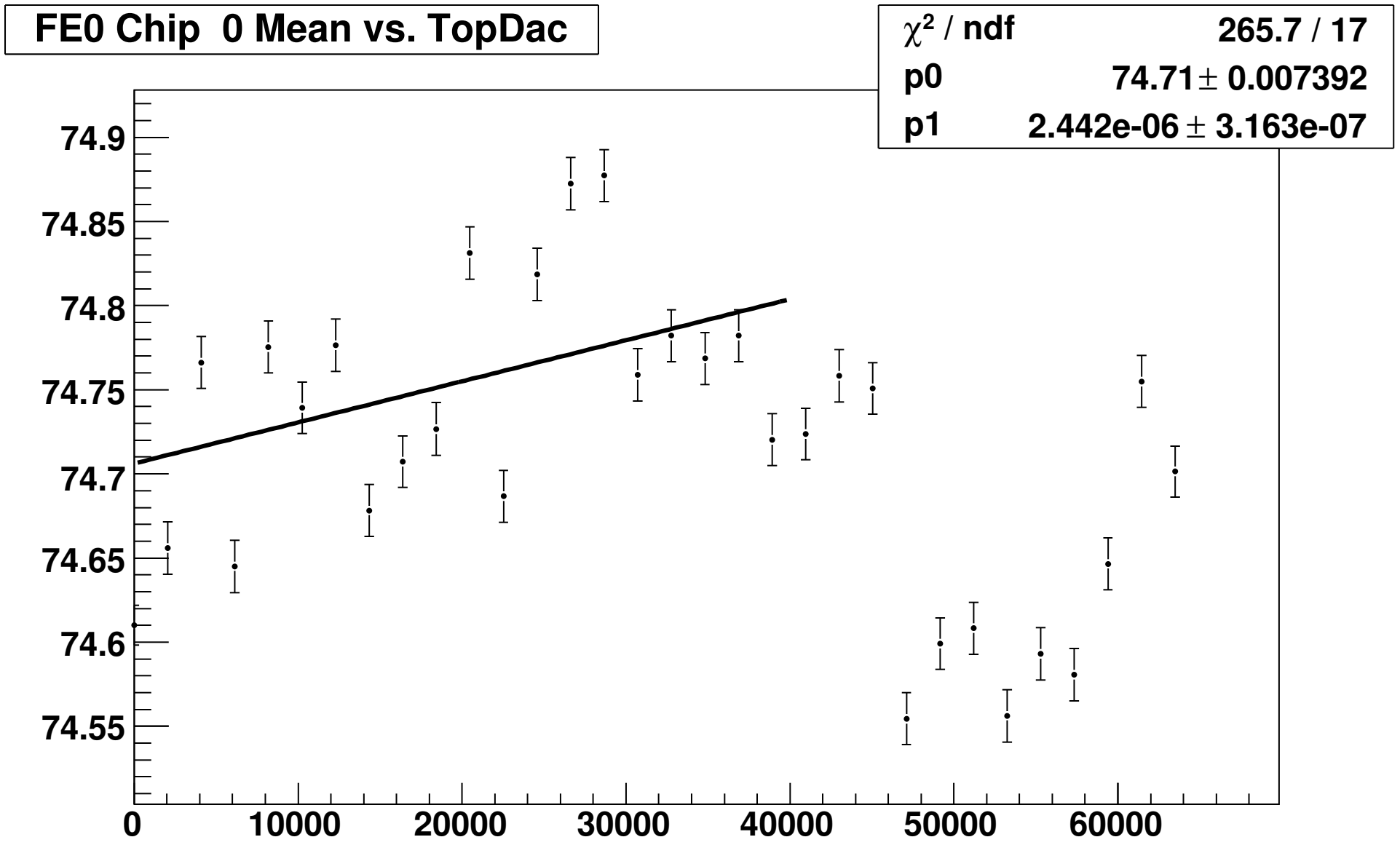
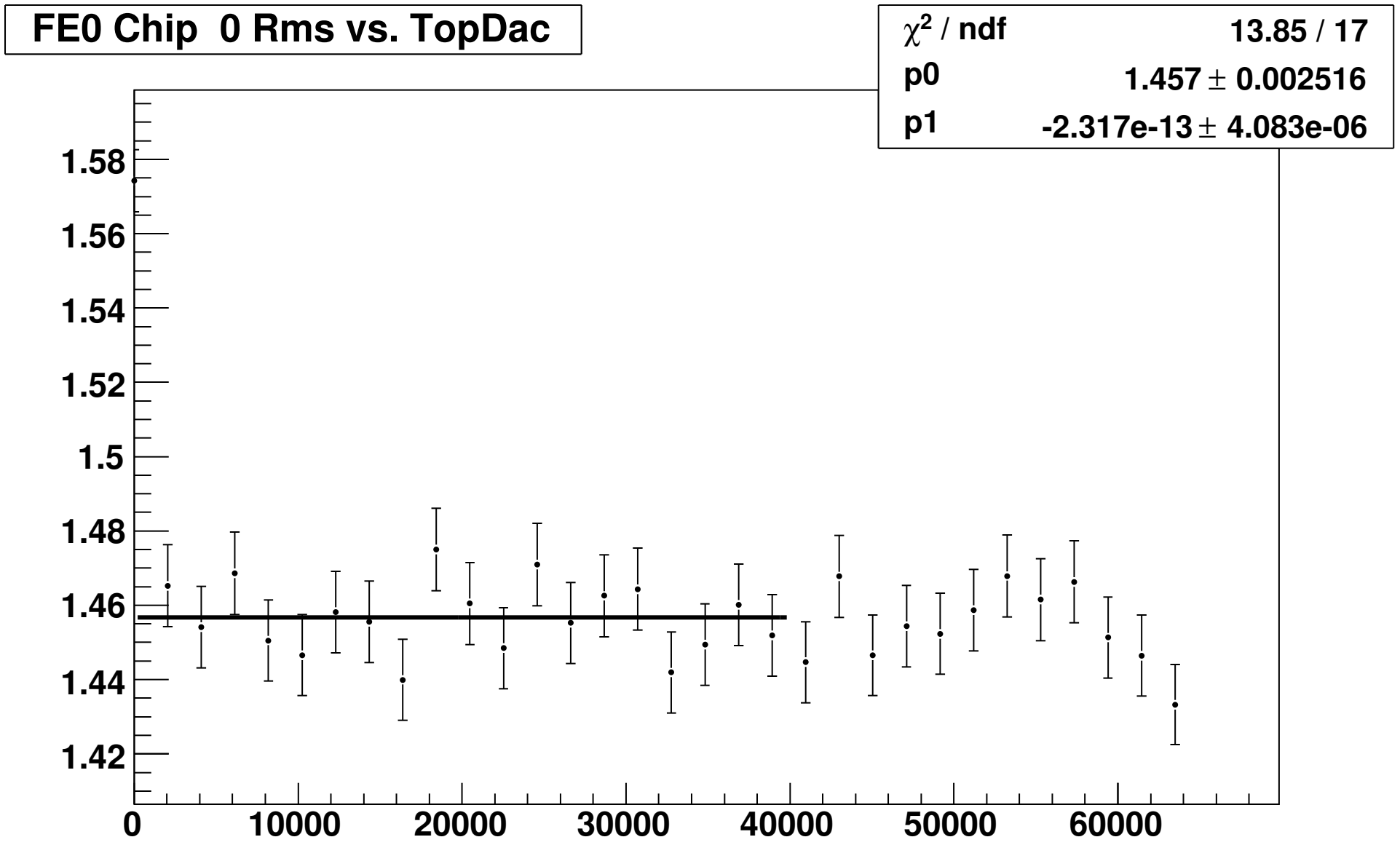

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 3.731e+04 / 17
p0 76.39 ± 0.007542
p1 0.4488 ± 3.55e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 259.4 / 17
p0 1.379 ± 0.004087
p1 3.442e-05 ± 3e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 265.7 / 17
p0 74.71 ± 0.007392
p1 2.442e-06 ± 3.163e-07
74.9
74.85
74.8
74.75
74.7
74.65
74.6
74.55
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 13.85 / 17
p0 1.457 ± 0.002516
p1 -2.317e-13 ± 4.083e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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50000
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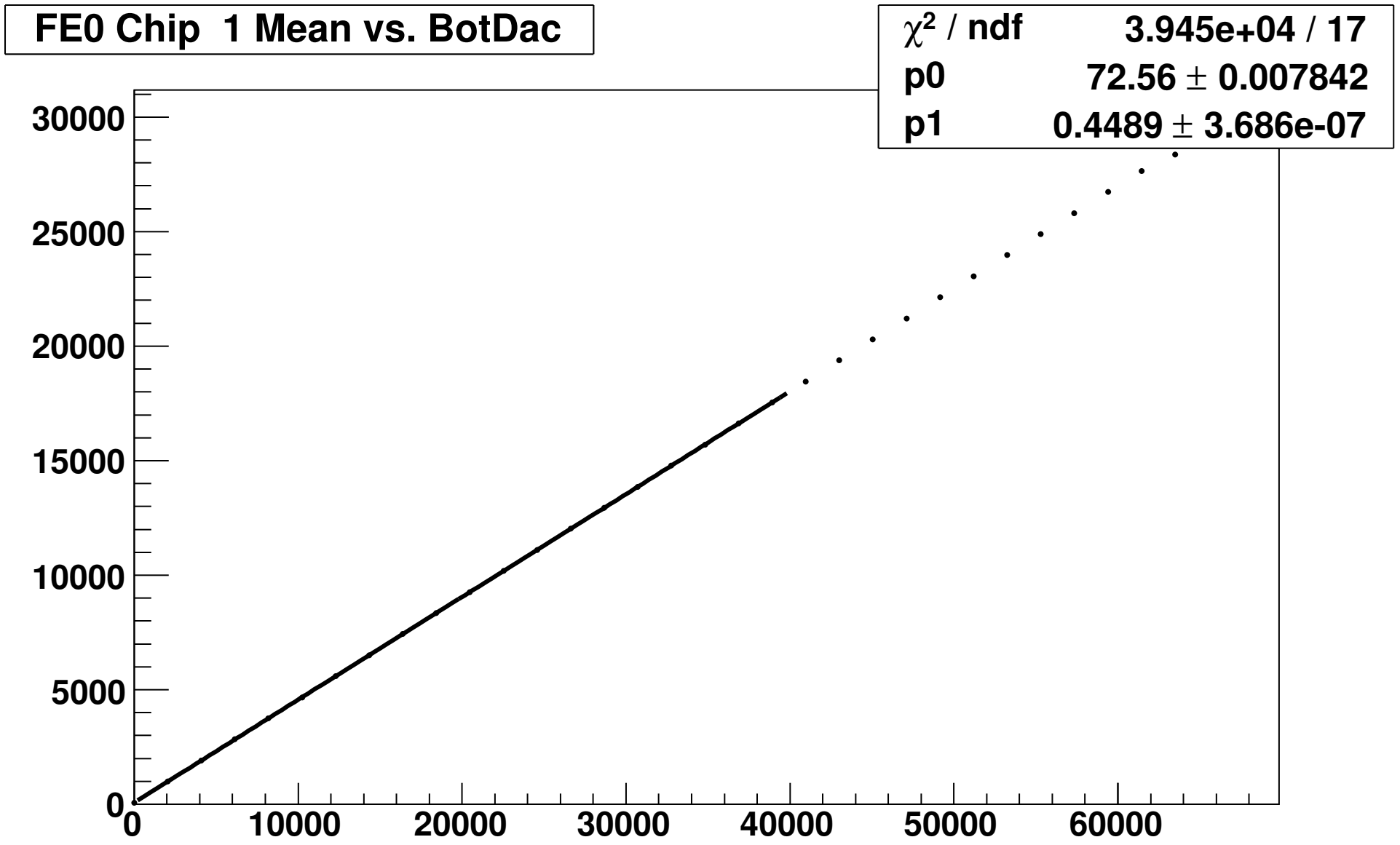
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 3.945e+04 / 17
p0 72.56 ± 0.007842
p1 0.4489 ± 3.686e-07
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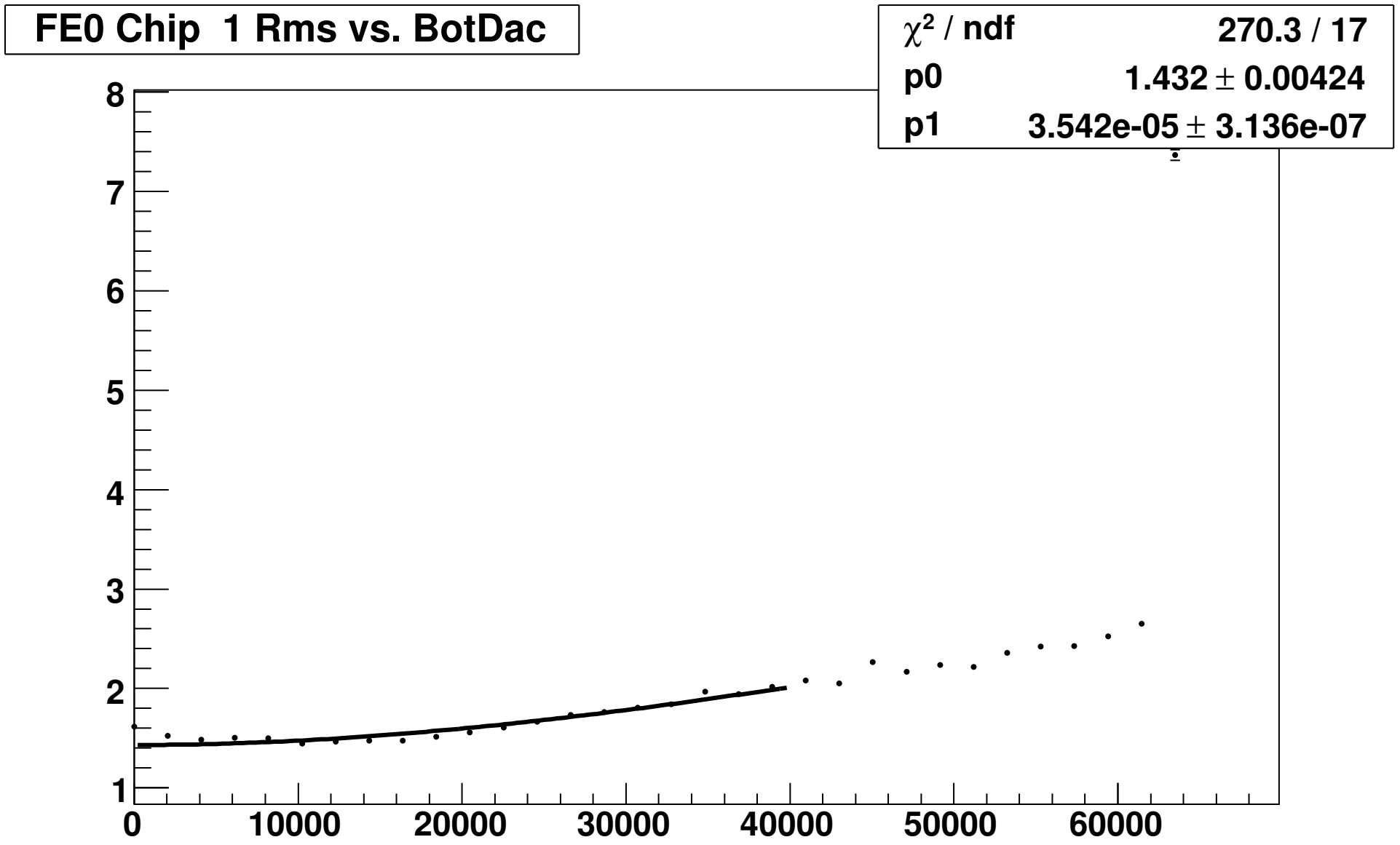
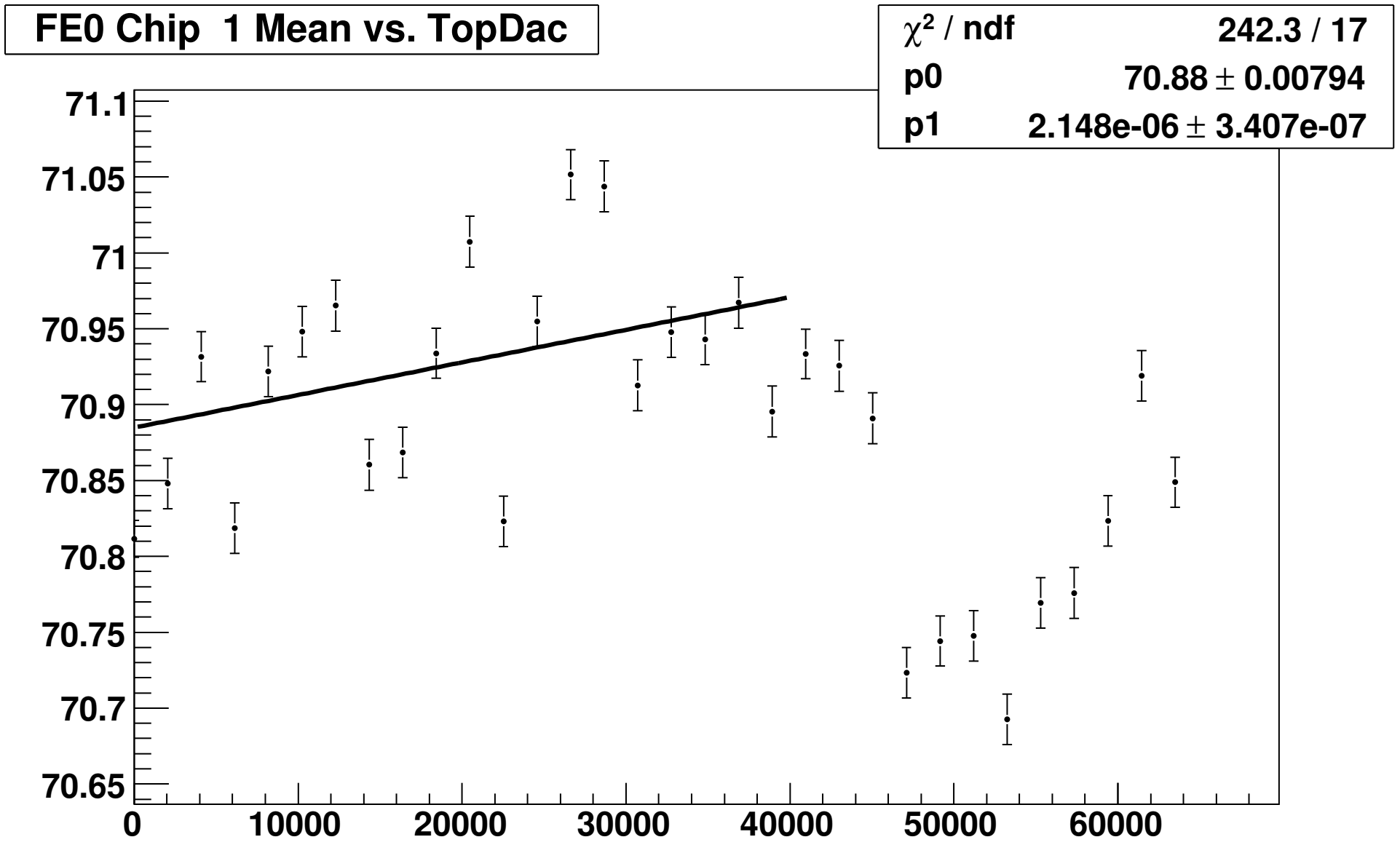
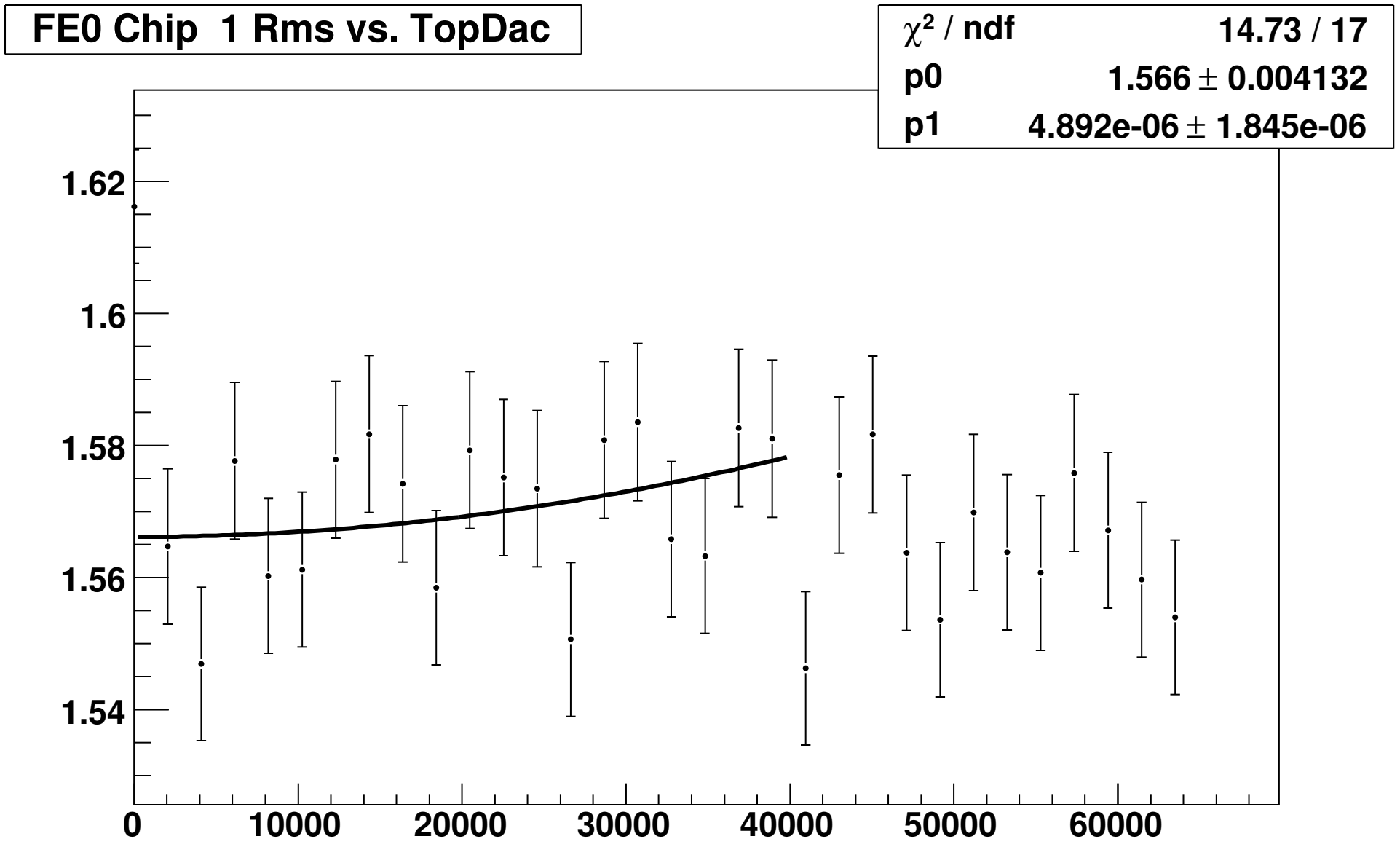
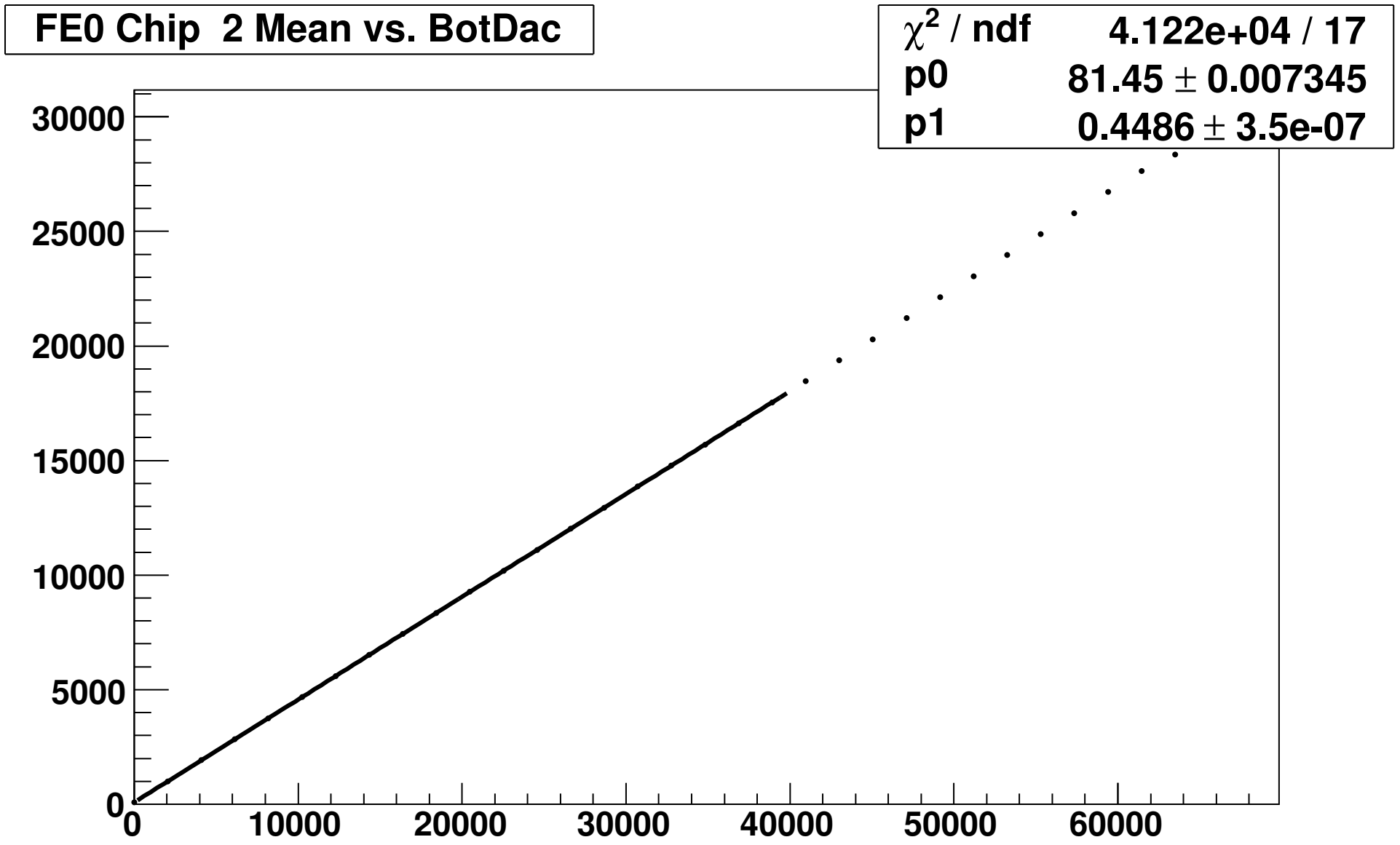
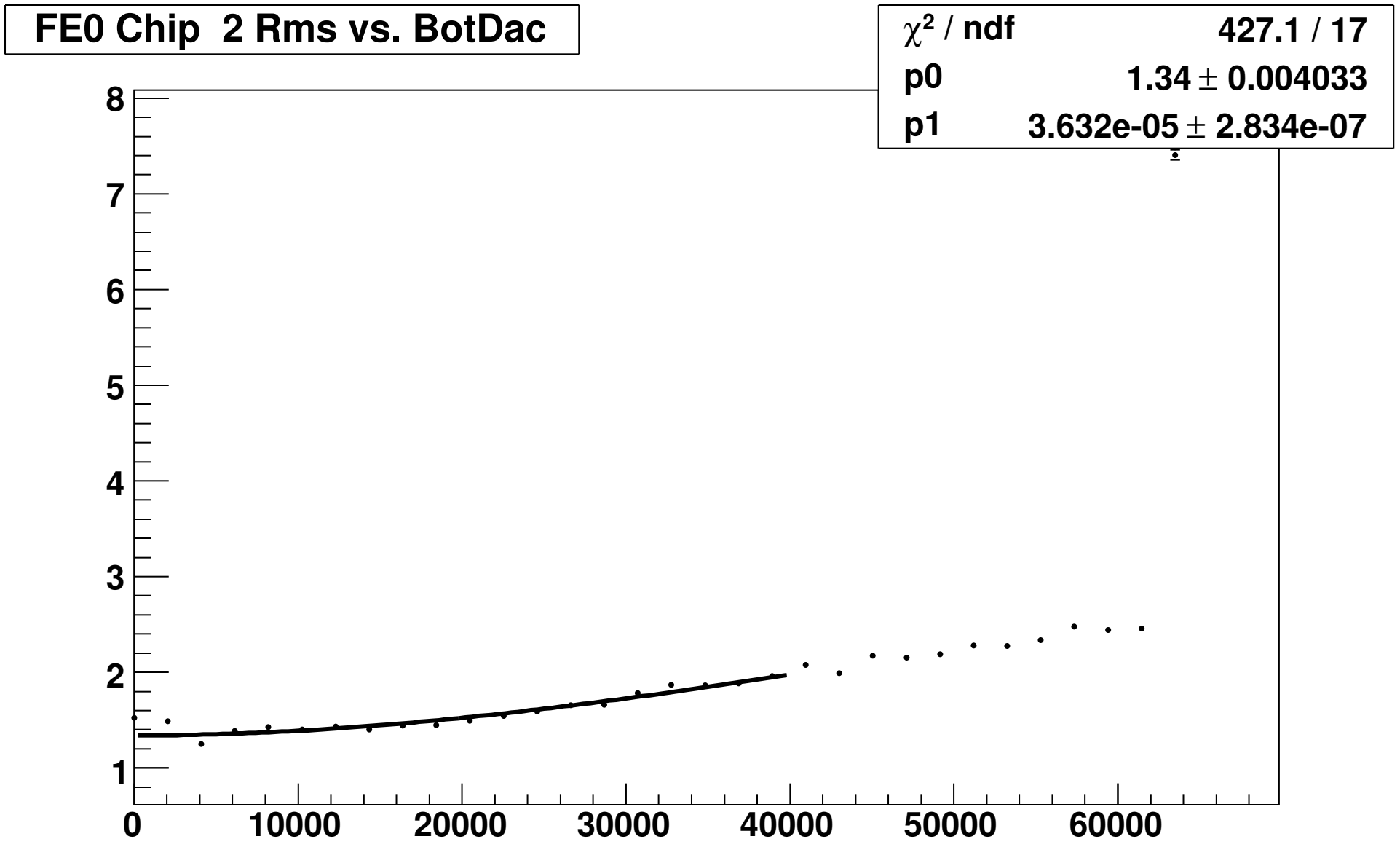
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

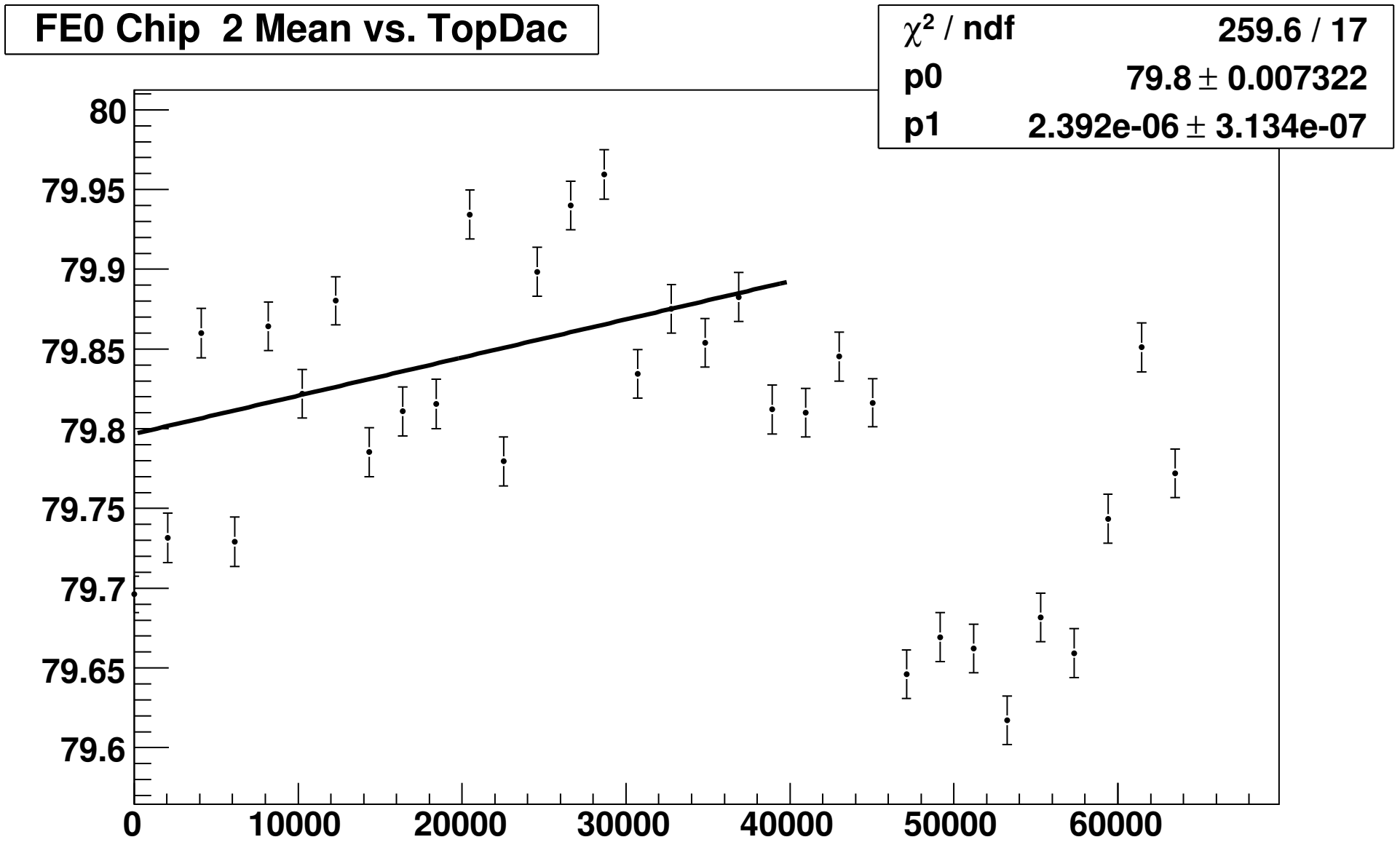

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 270.3 / 17
p0 1.432 ± 0.00424
p1 3.542e-05 ± 3.136e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

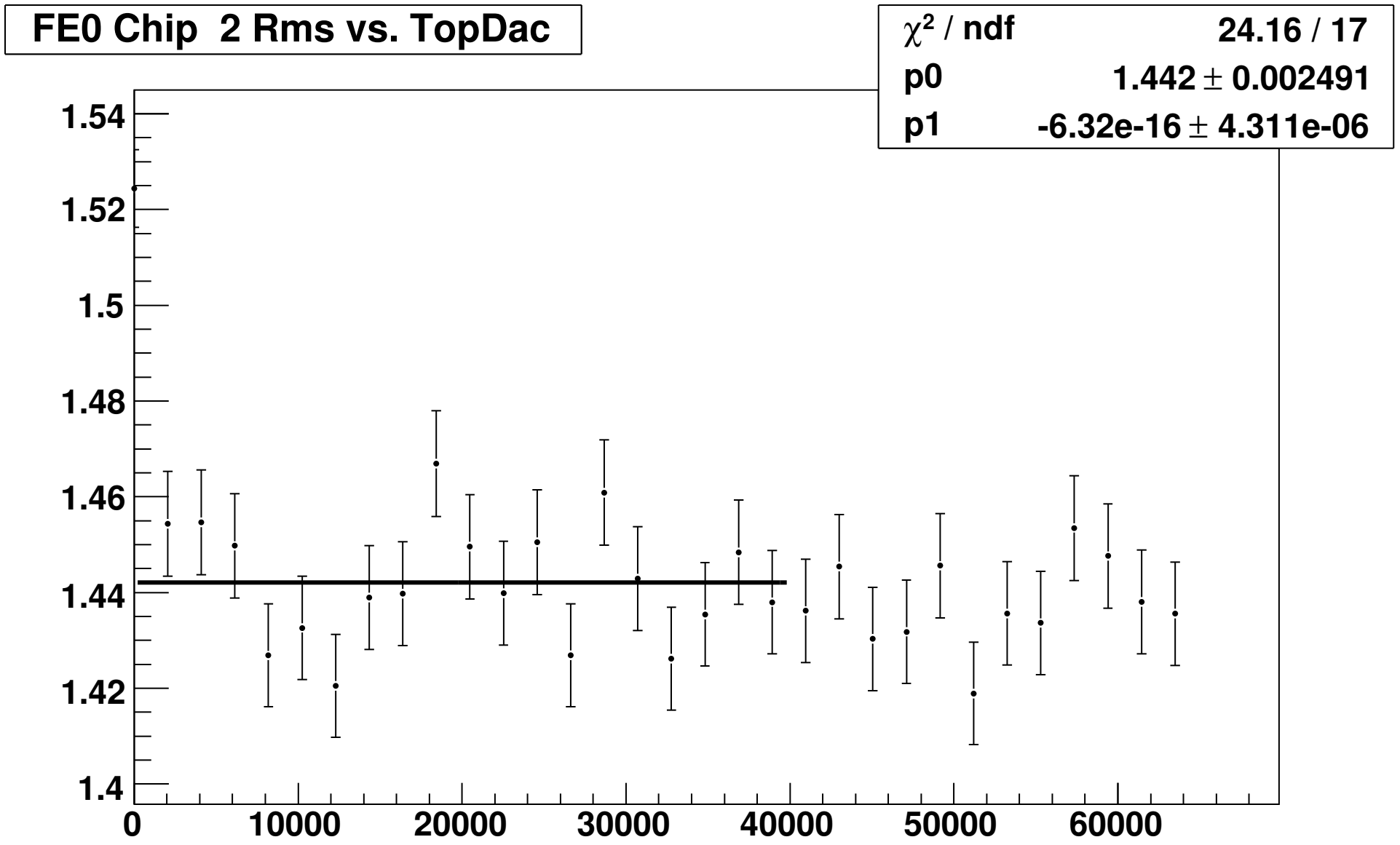

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 242.3 / 17
p0 70.88 ± 0.00794
p1 2.148e-06 ± 3.407e-07
71.1
71.05
71
70.95
70.9
70.85
70.8
70.75
70.7
70.65
0
10000
20000
30000
40000
50000
60000

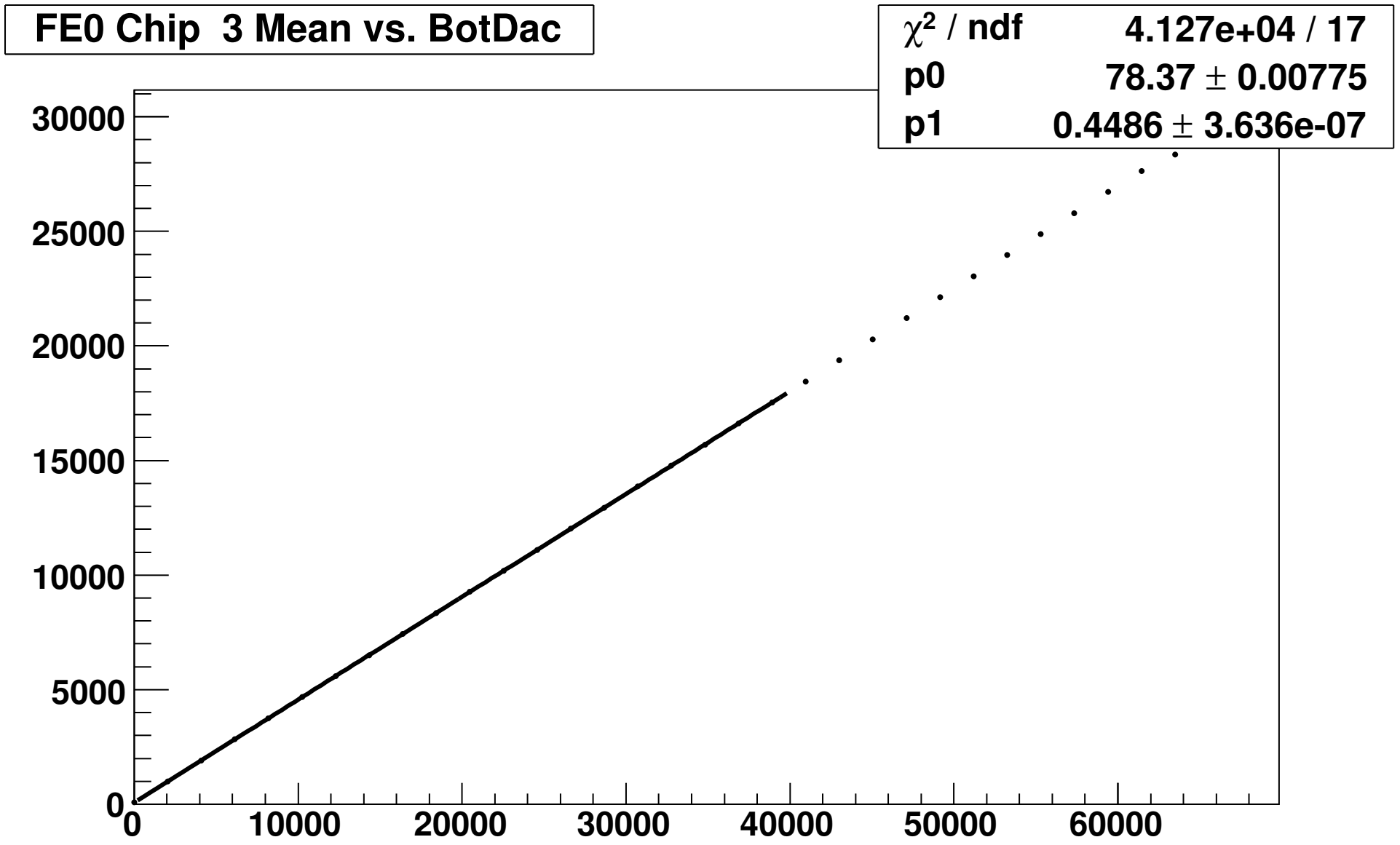

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 14.73 / 17
p0 1.566 ± 0.004132
p1 4.892e-06 ± 1.845e-06
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000

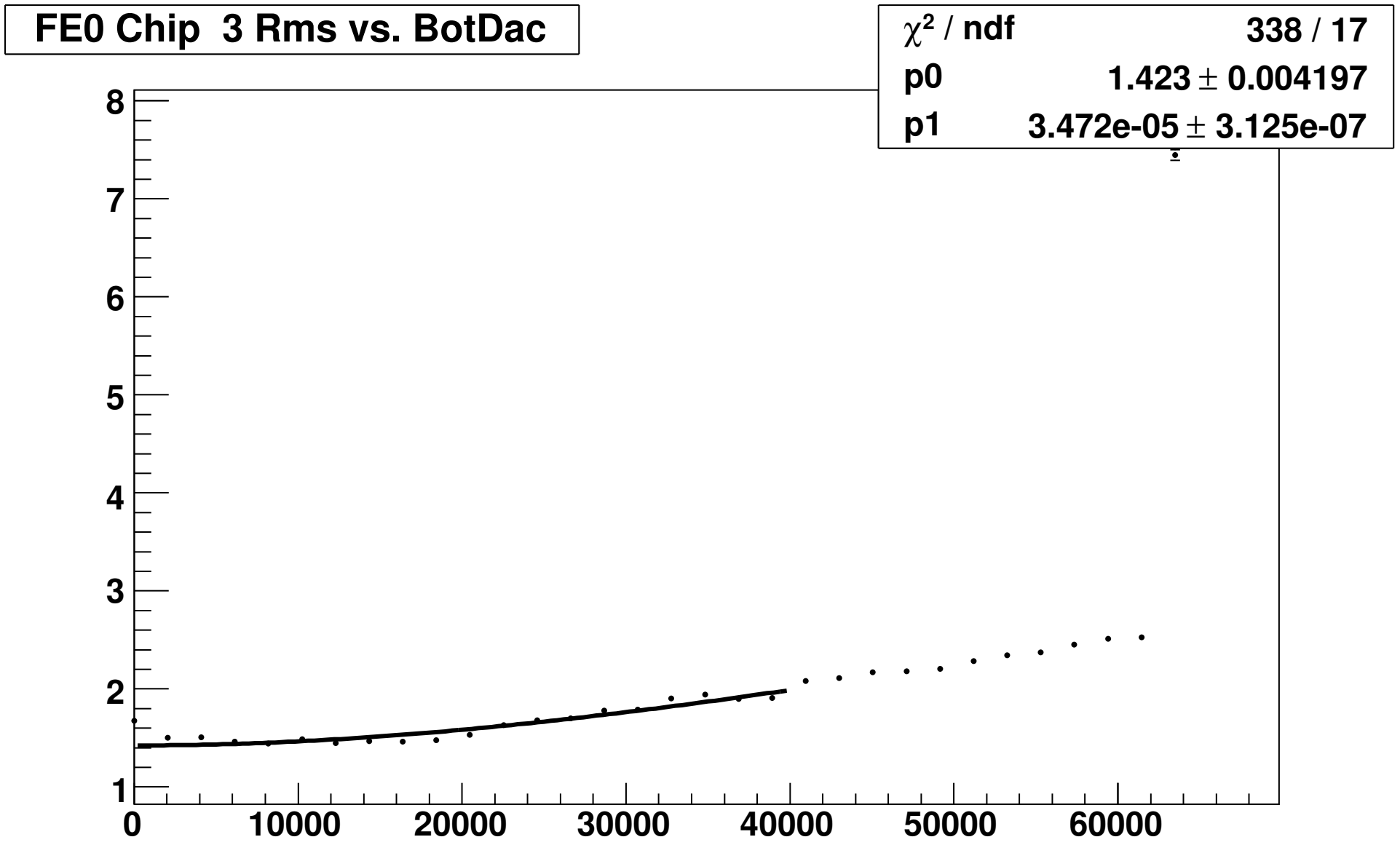

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 4.122e+04 / 17
p0 81.45 ± 0.007345
p1 0.4486 ± 3.5e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

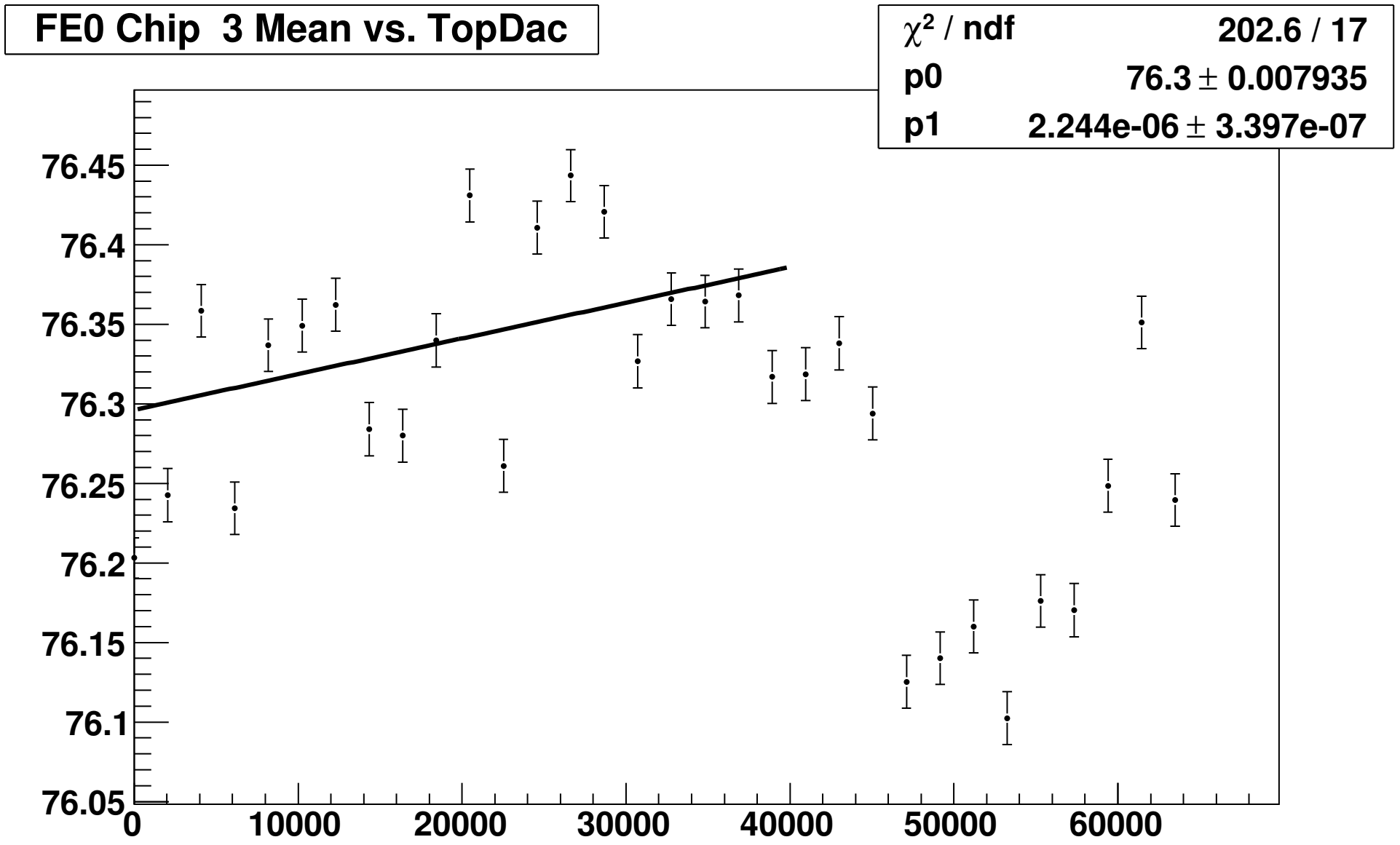

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 427.1 / 17
p0 1.34 ± 0.004033
p1 3.632e-05 ± 2.834e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

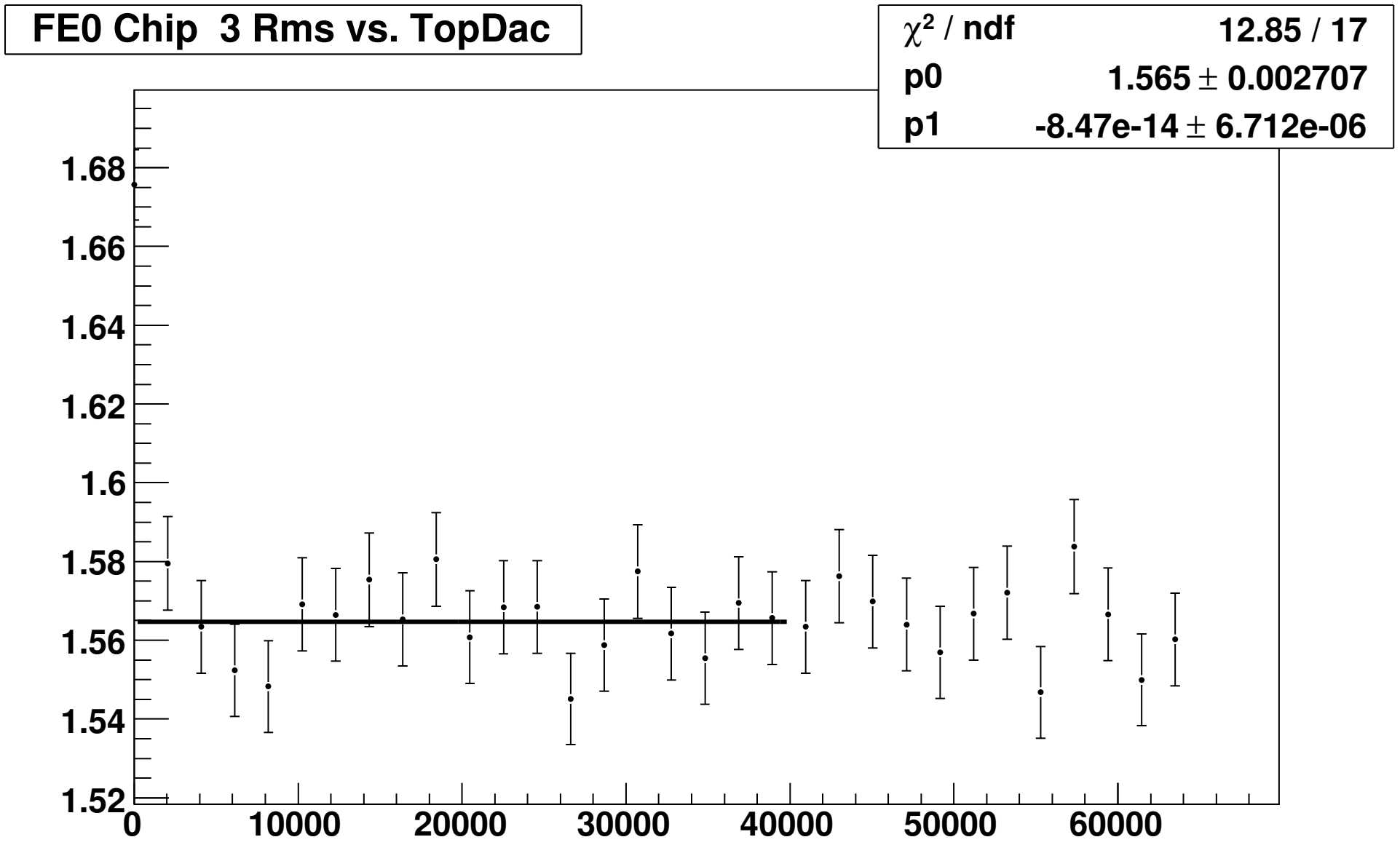

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 259.6 / 17
p0 79.8 ± 0.007322
p1 2.392e-06 ± 3.134e-07
80
79.95
79.9
79.85
79.8
79.75
79.7
79.65
79.6
0
10000
20000
30000
40000
50000
60000

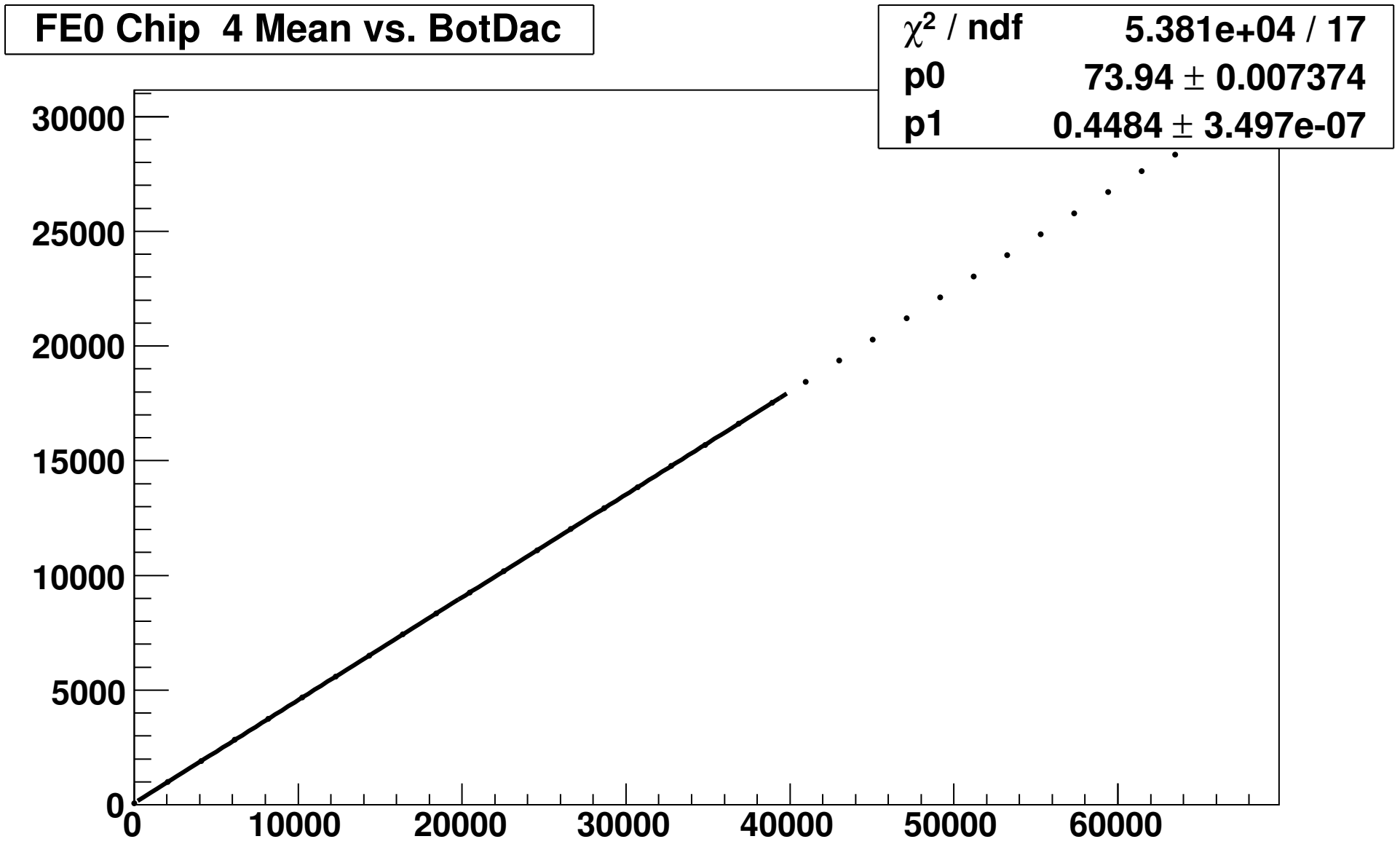

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 24.16 / 17
p0 1.442 ± 0.002491
p1 -6.32e-16 ± 4.311e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 4.127e+04 / 17
p0 78.37 ± 0.00775
p1 0.4486 ± 3.636e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 338 / 17
p0 1.423 ± 0.004197
p1 3.472e-05 ± 3.125e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 202.6 / 17
p0 76.3 ± 0.007935
p1 2.244e-06 ± 3.397e-07
76.45
76.4
76.35
76.3
76.25
76.2
76.15
76.1
76.05
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 12.85 / 17
p0 1.565 ± 0.002707
p1 -8.47e-14 ± 6.712e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 5.381e+04 / 17
p0 73.94 ± 0.007374
p1 0.4484 ± 3.497e-07
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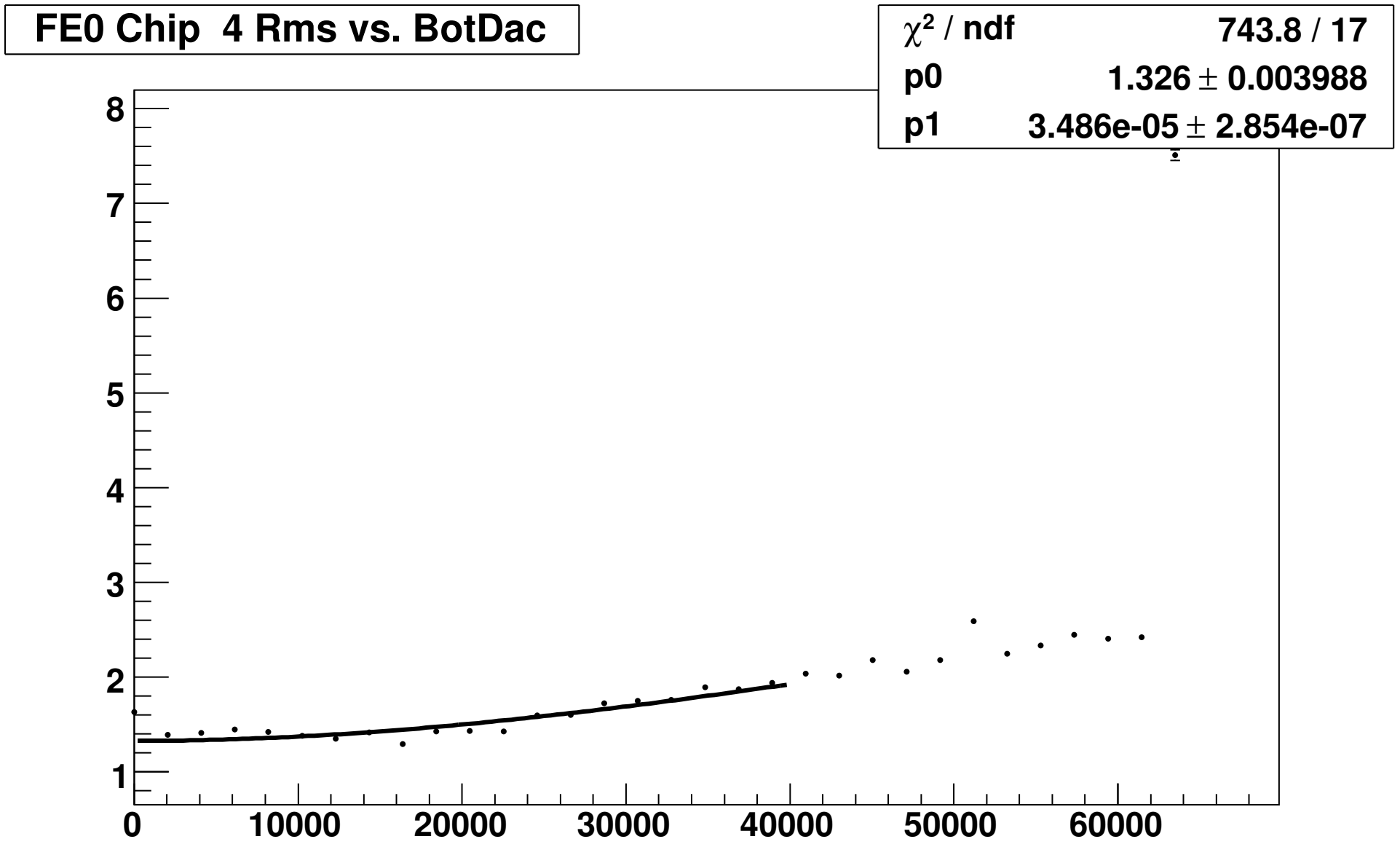
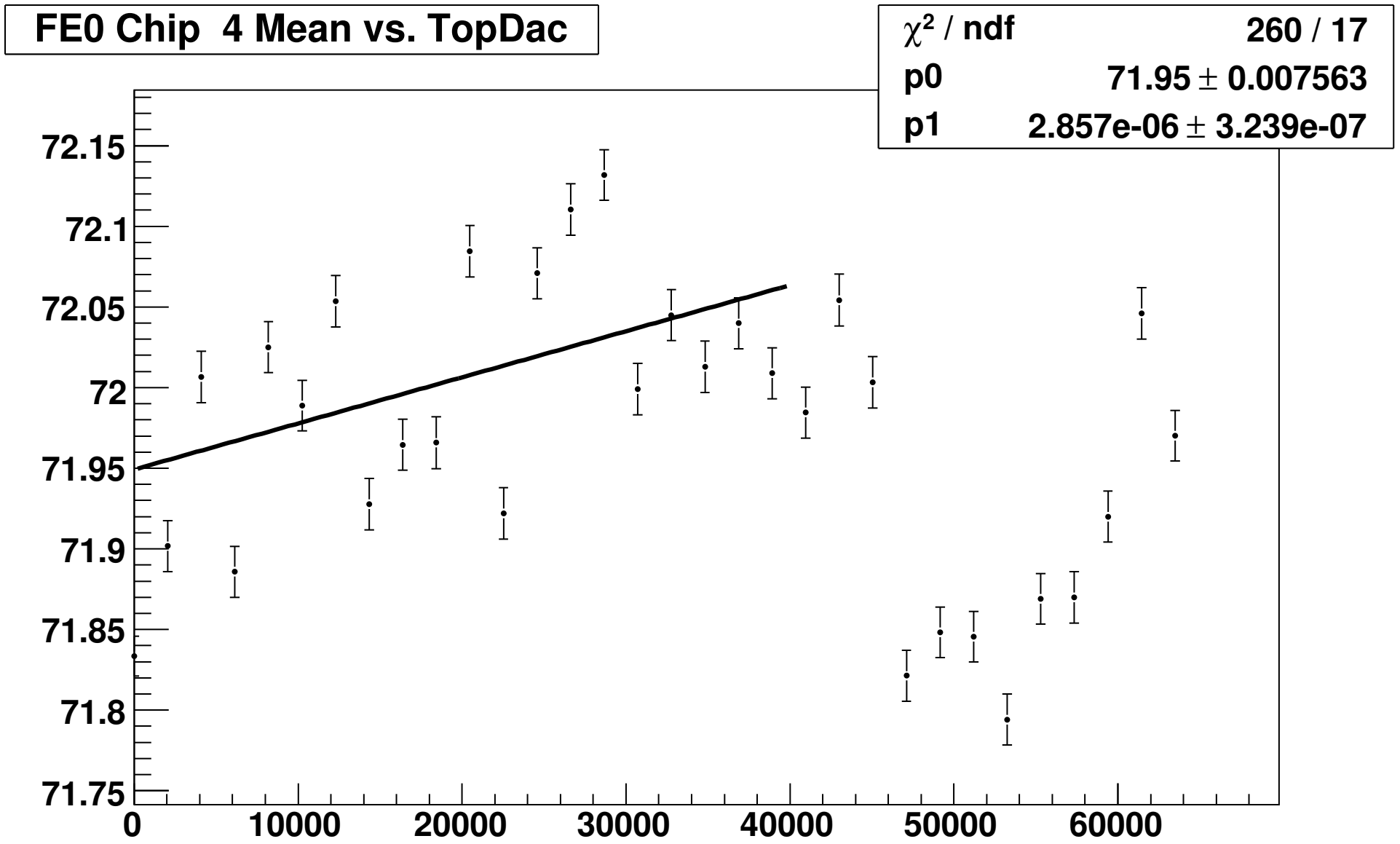
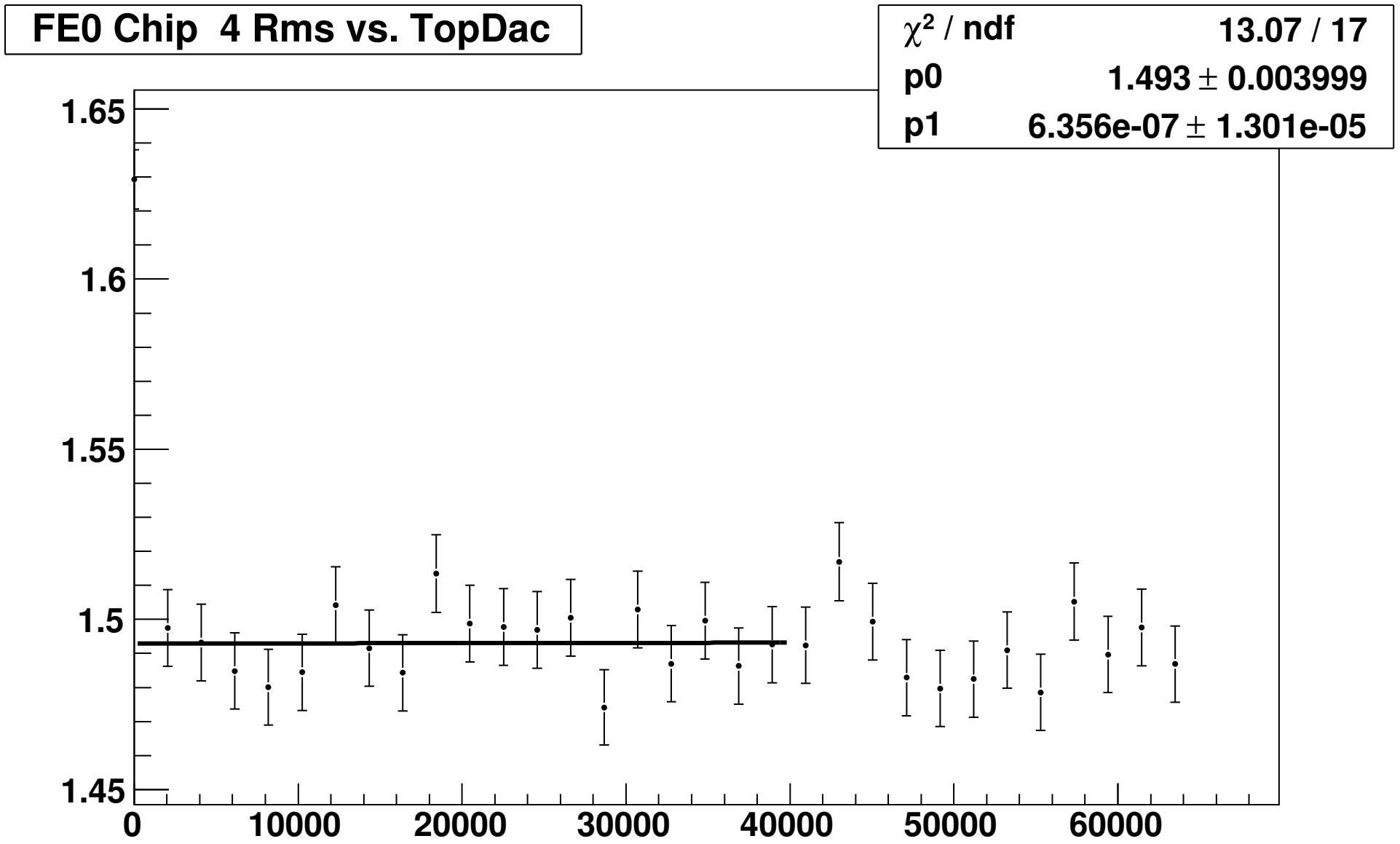
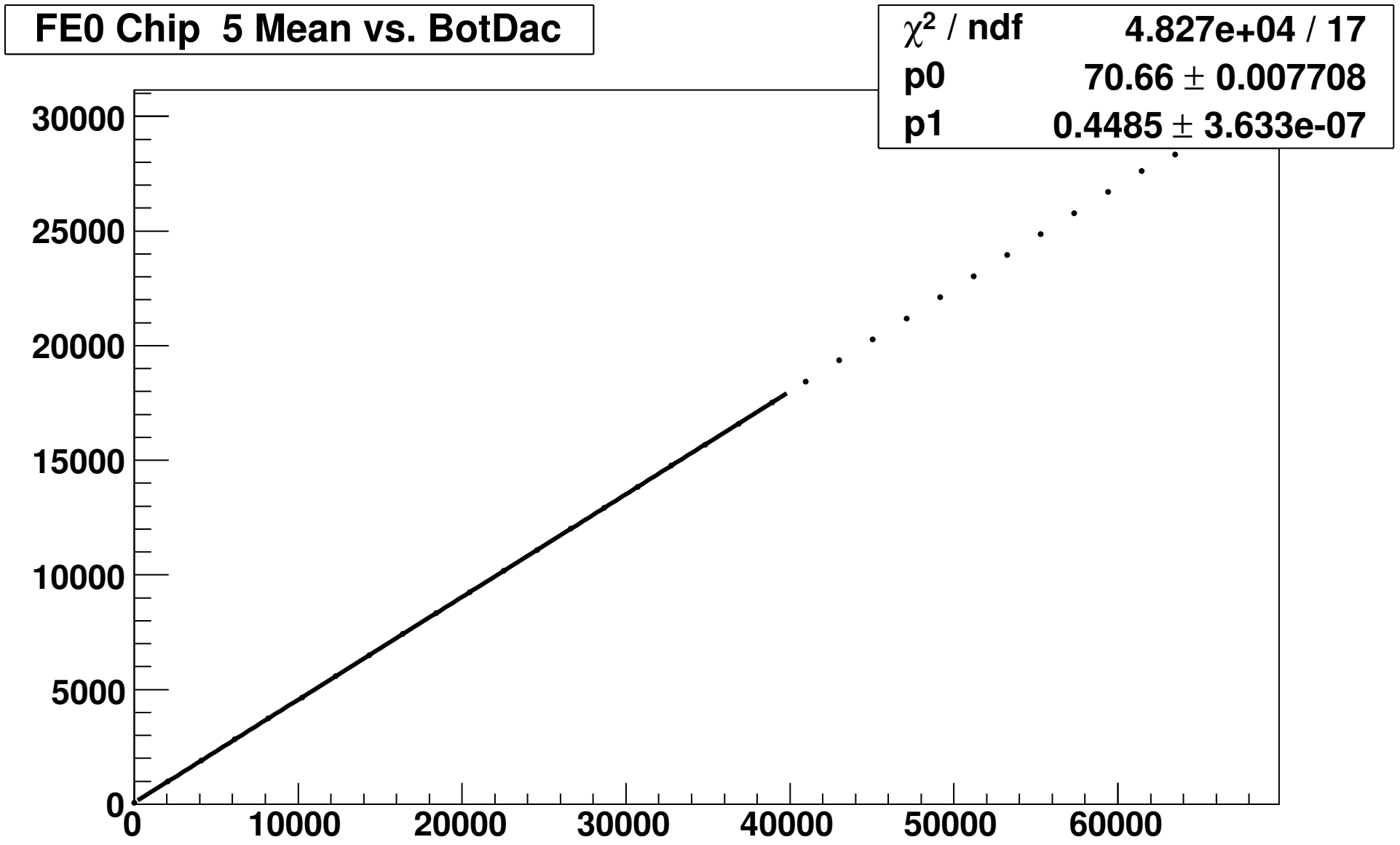
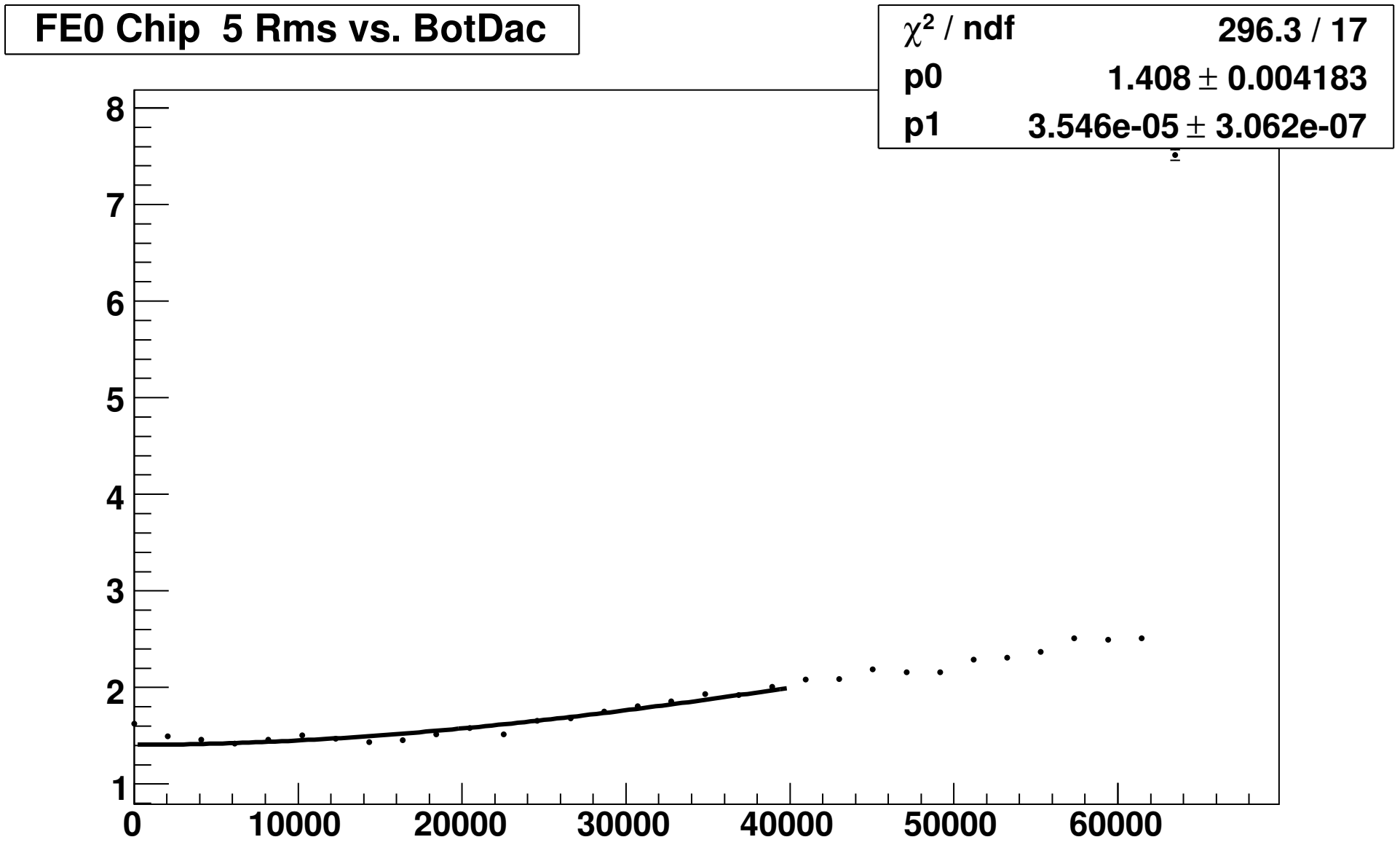
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

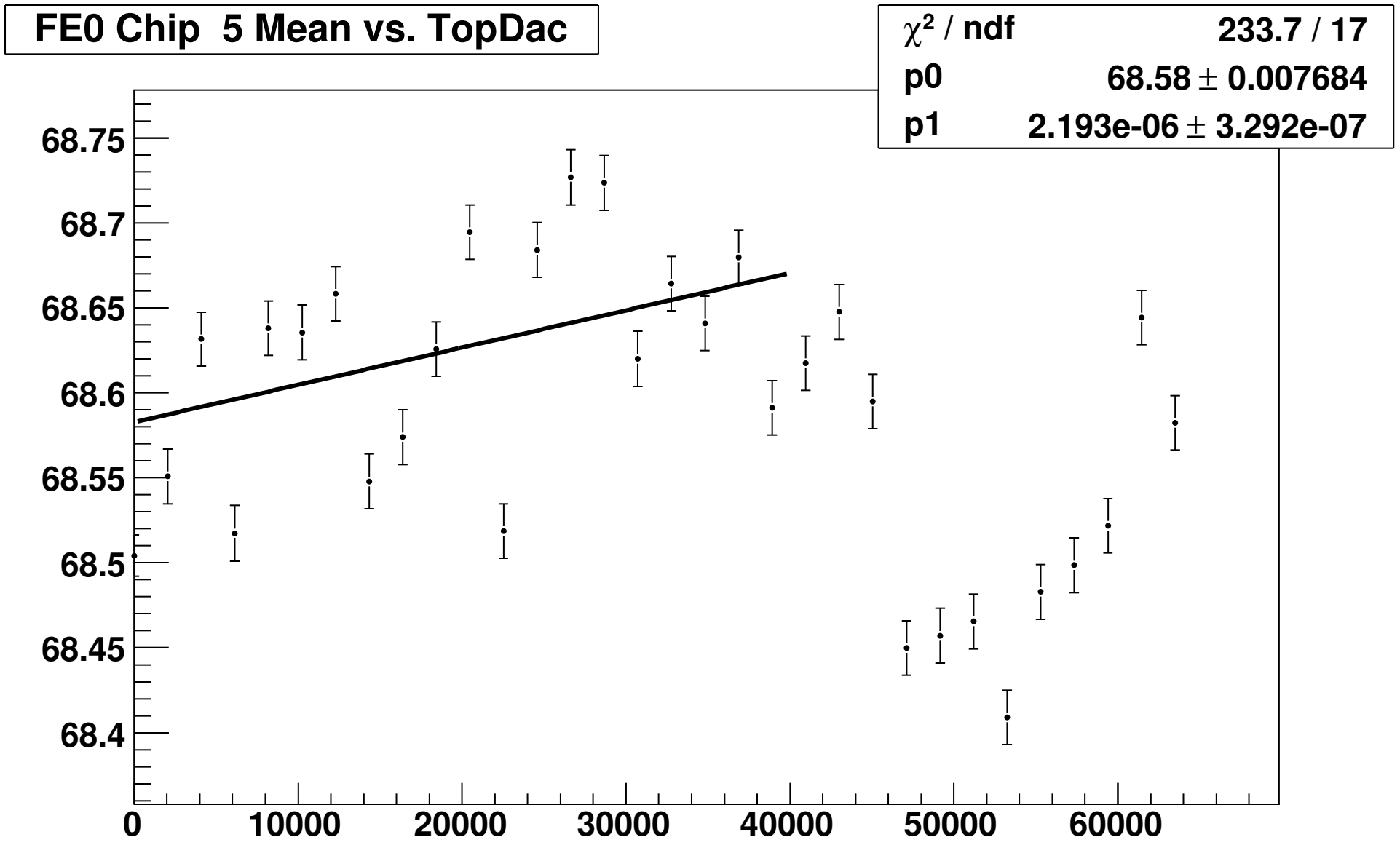

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 743.8 / 17
p0 1.326 ± 0.003988
p1 3.486e-05 ± 2.854e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

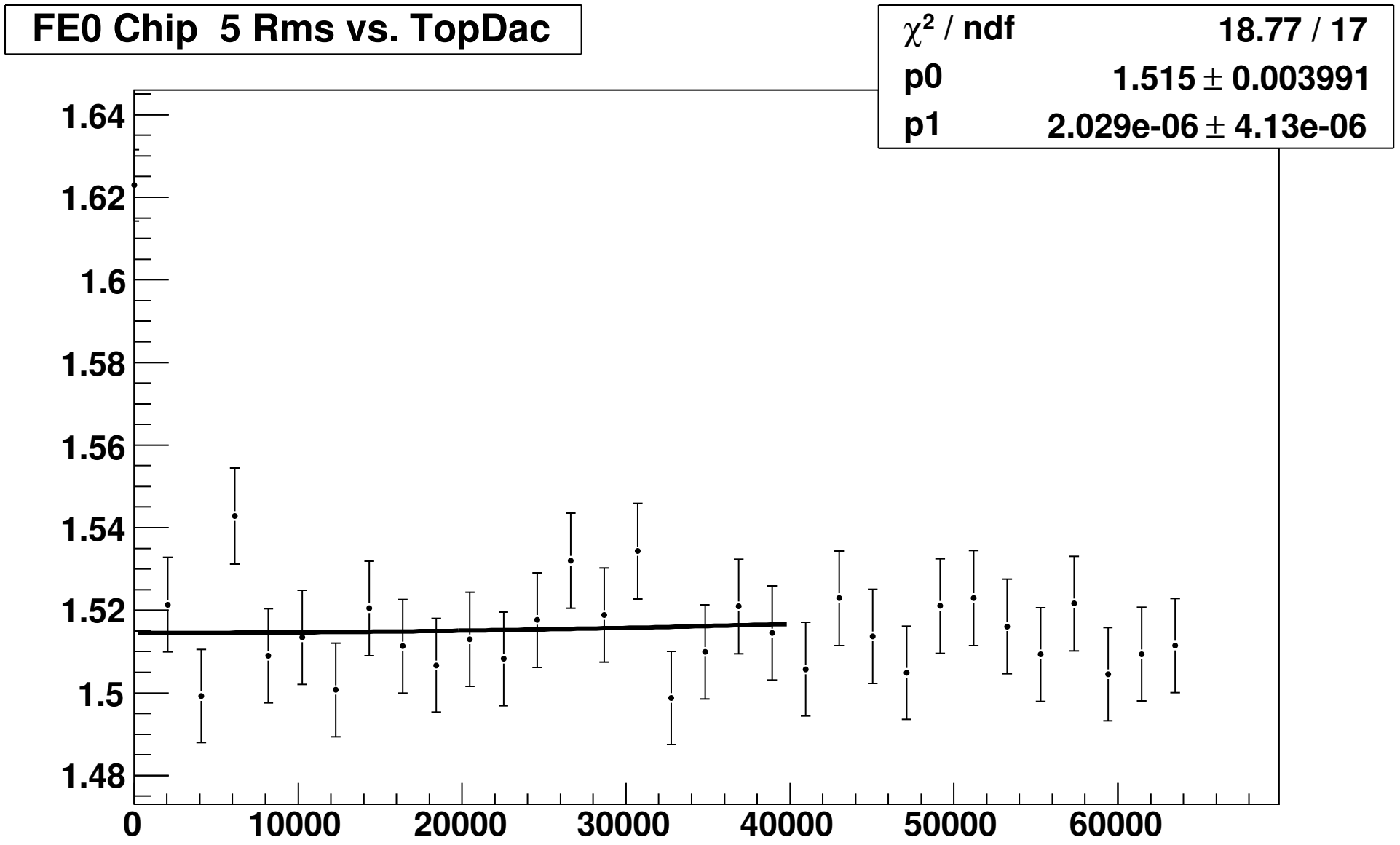

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 260 / 17
p0 71.95 ± 0.007563
p1 2.857e-06 ± 3.239e-07
72.15
72.1
72.05
72
71.95
71.9
71.85
71.8
71.75
0
10000
20000
30000
40000
50000
60000

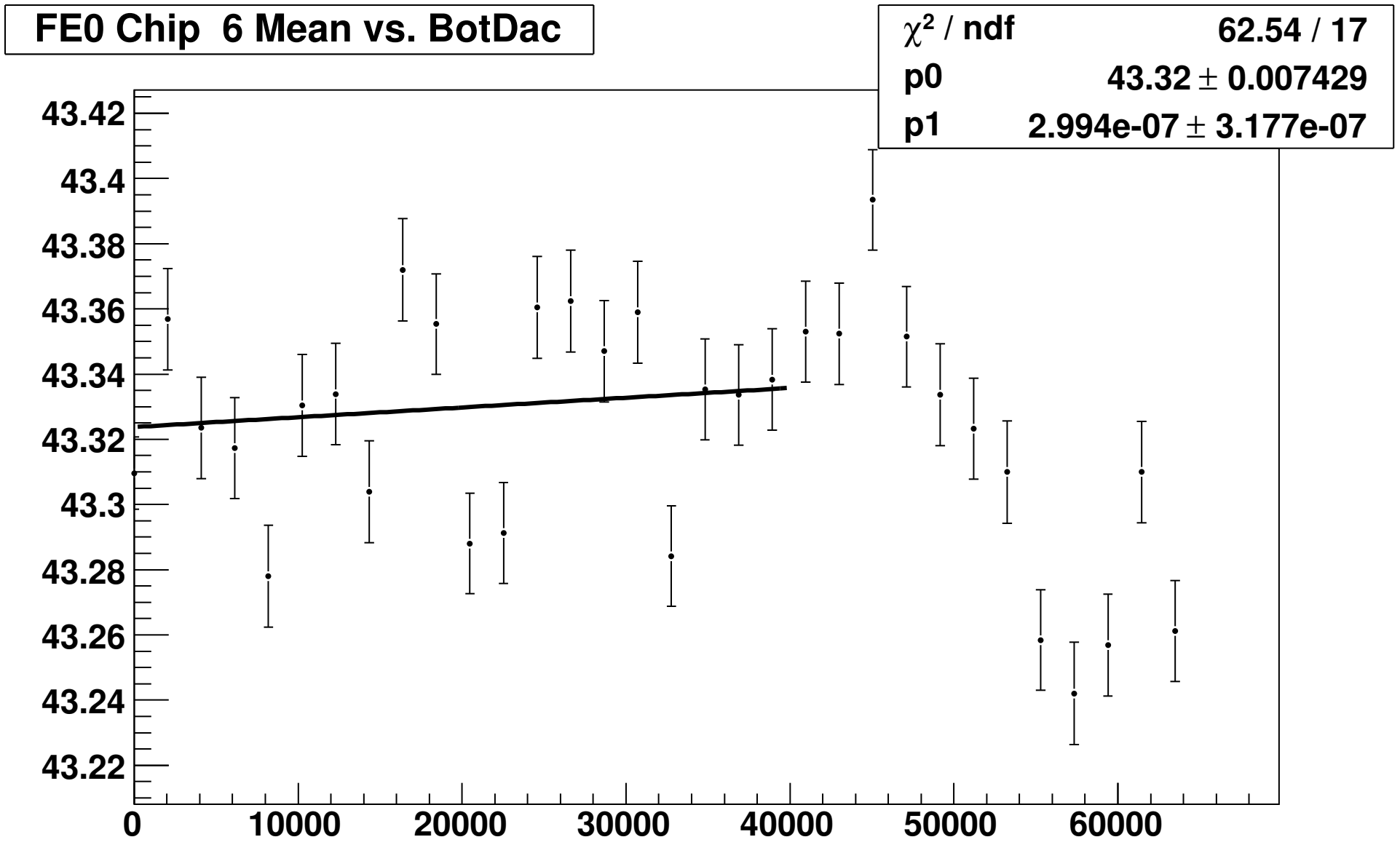

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 13.07 / 17
p0 1.493 ± 0.003999
p1 6.356e-07 ± 1.301e-05
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

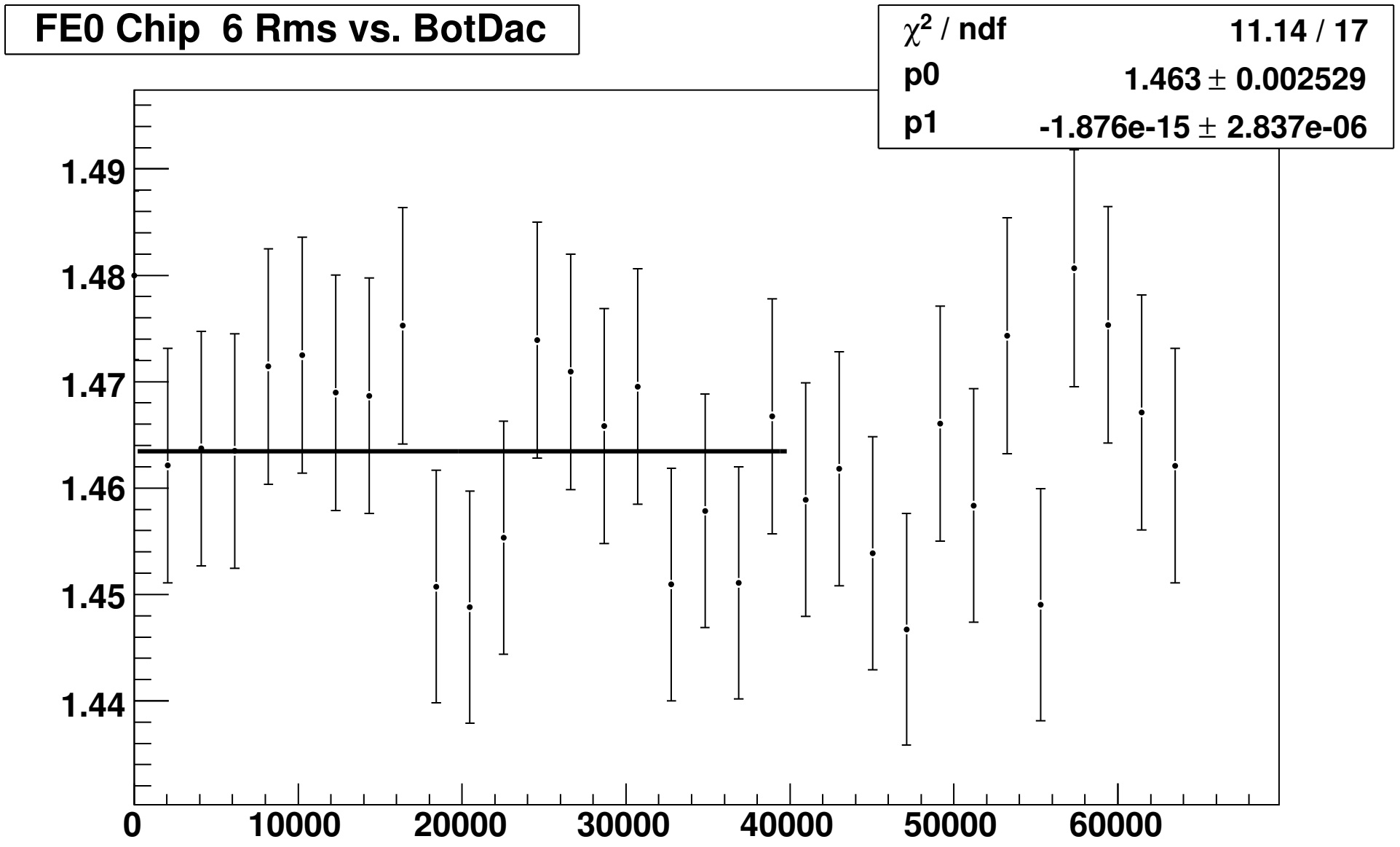

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 4.827e+04 / 17
p0 70.66 ± 0.007708
p1 0.4485 ± 3.633e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

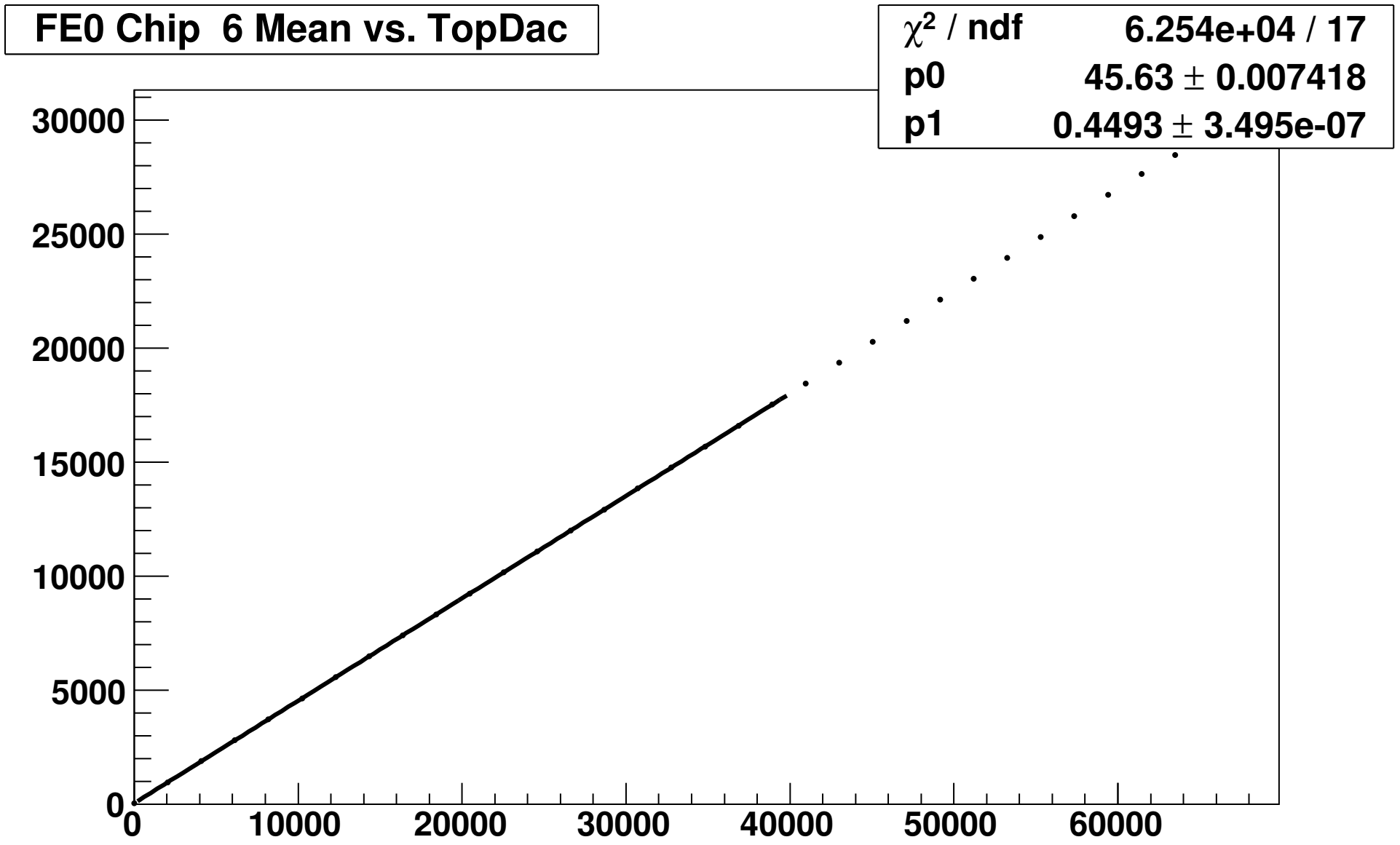

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 296.3 / 17
p0 1.408 ± 0.004183
p1 3.546e-05 ± 3.062e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

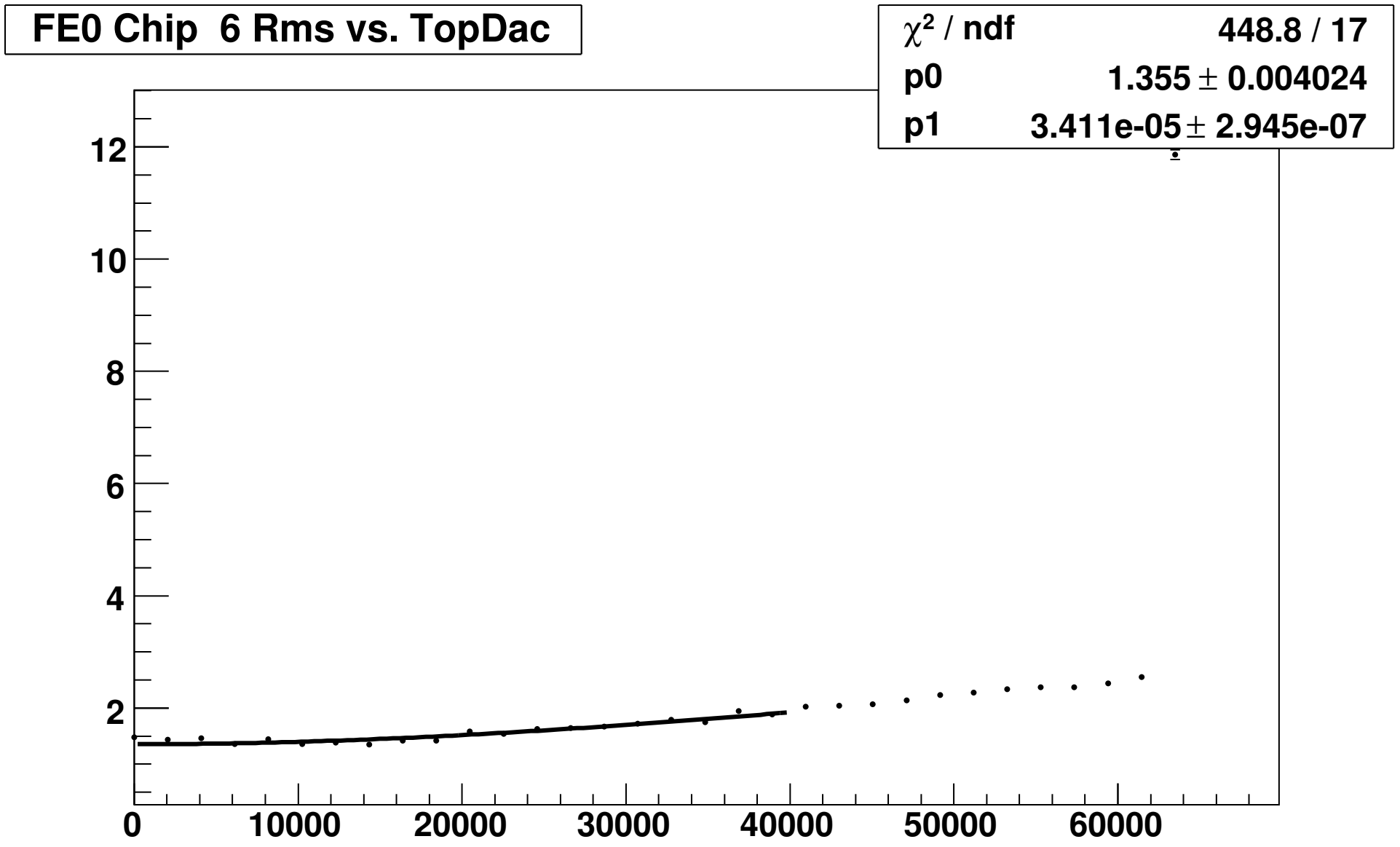

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 233.7 / 17
p0 68.58 ± 0.007684
p1 2.193e-06 ± 3.292e-07
68.75
68.7
68.65
68.6
68.55
68.5
68.45
68.4
0
10000
20000
30000
40000
50000
60000

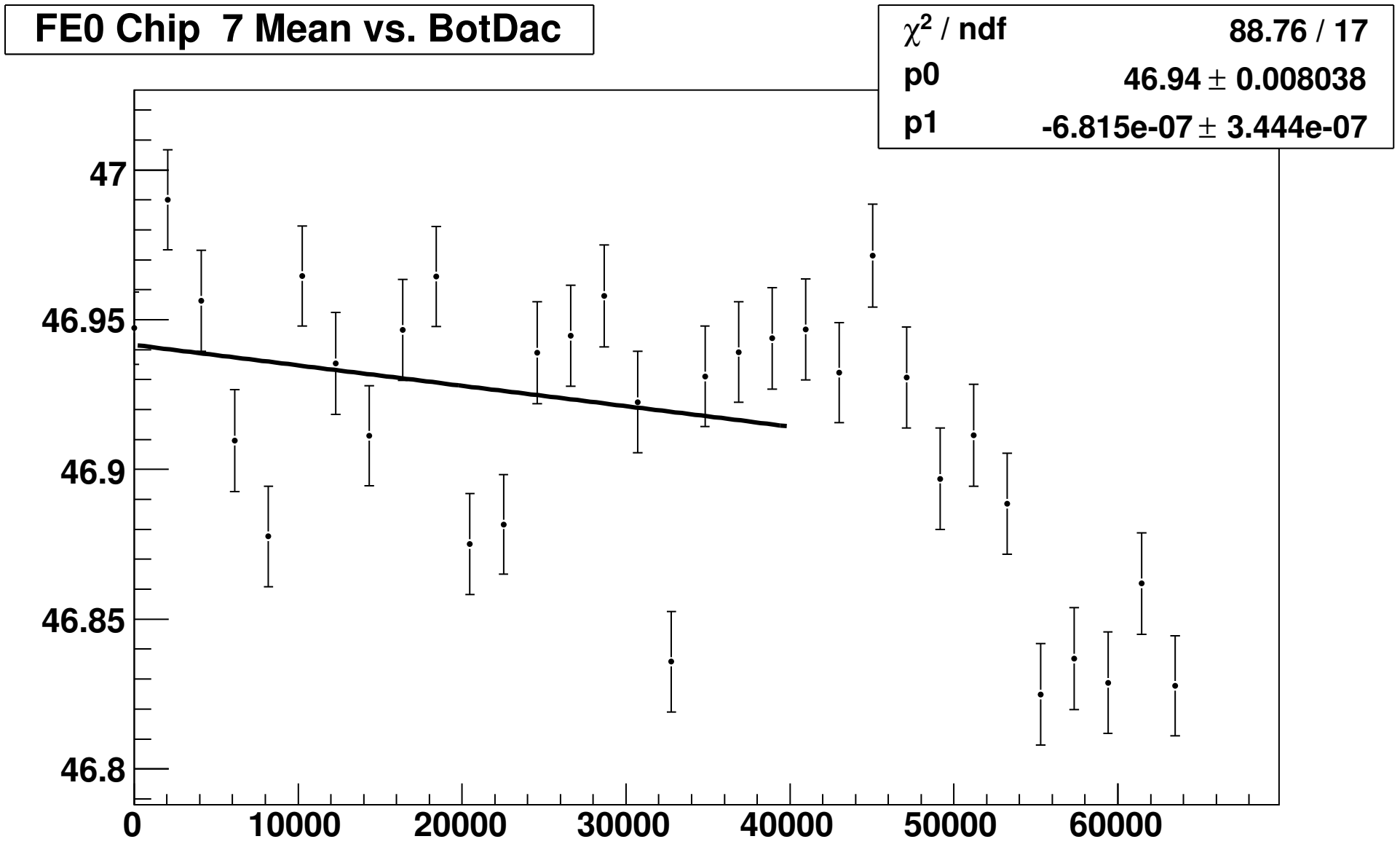

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 18.77 / 17
p0 1.515 ± 0.003991
p1 2.029e-06 ± 4.13e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

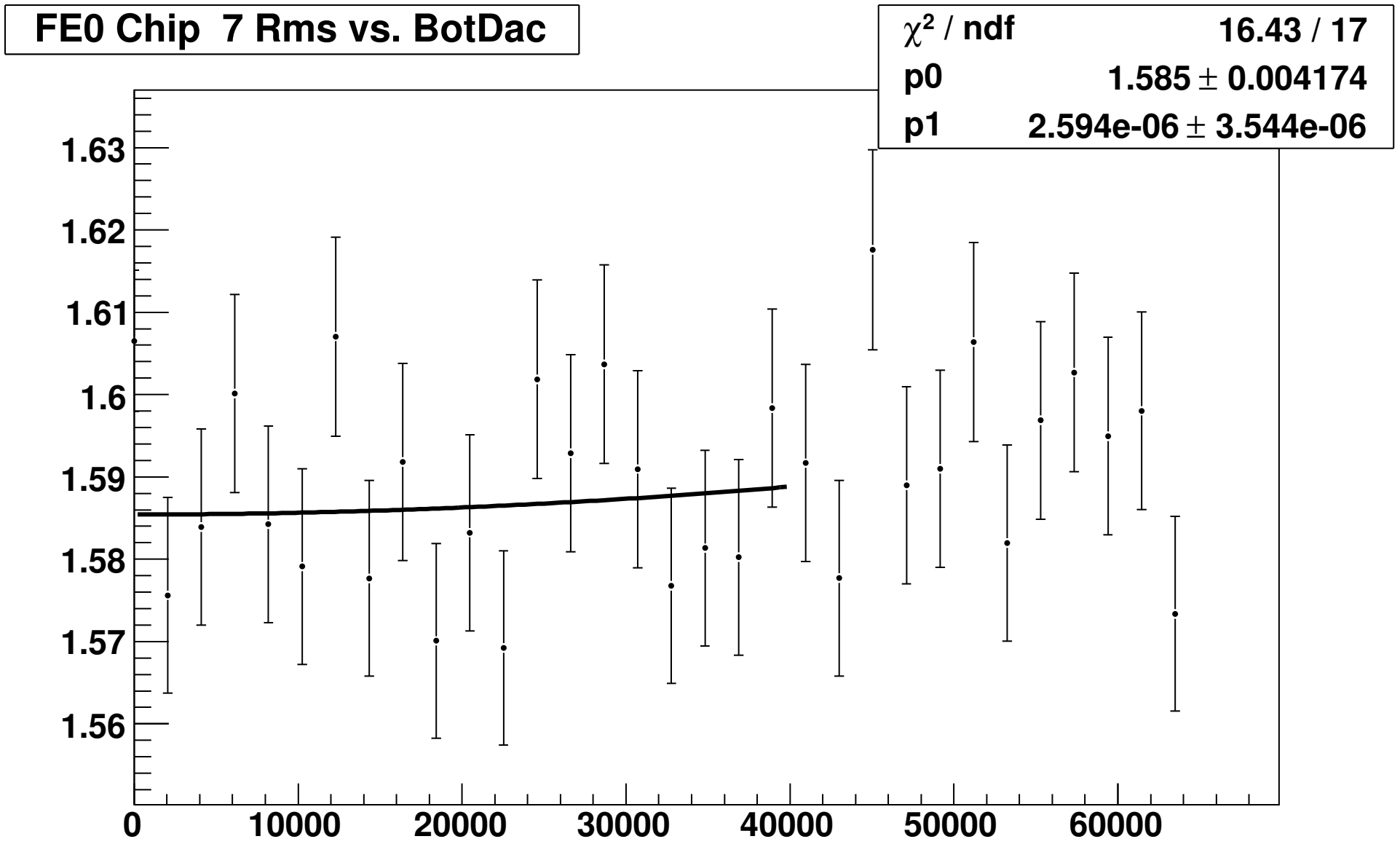

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 62.54 / 17
p0 43.32 ± 0.007429
p1 2.994e-07 ± 3.177e-07
43.42
43.4
43.38
43.36
43.34
43.32
43.3
43.28
43.26
43.24
43.22
0
10000
20000
30000
40000
50000
60000

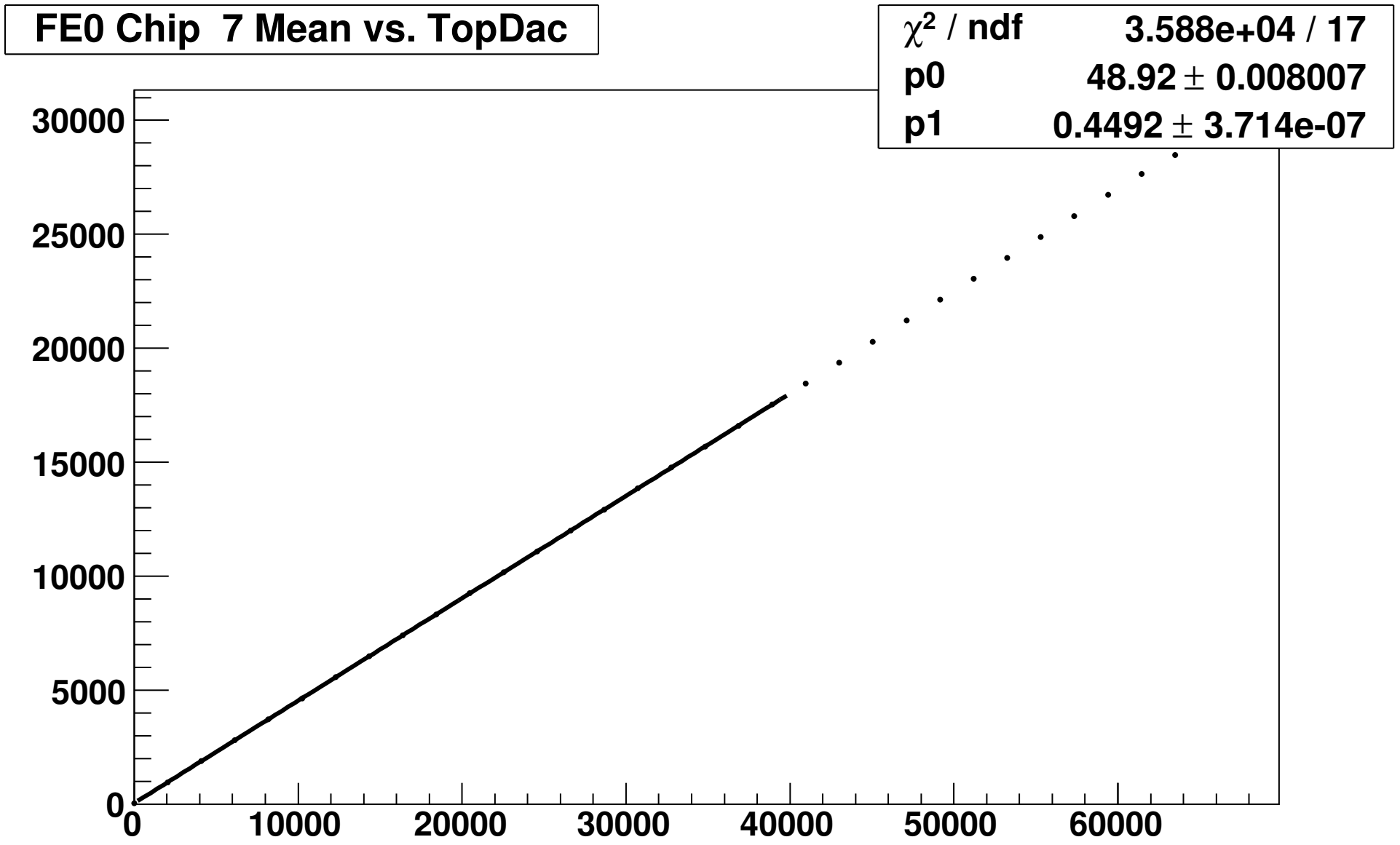

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 11.14 / 17
p0 1.463 ± 0.002529
p1 -1.876e-15 ± 2.837e-06
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

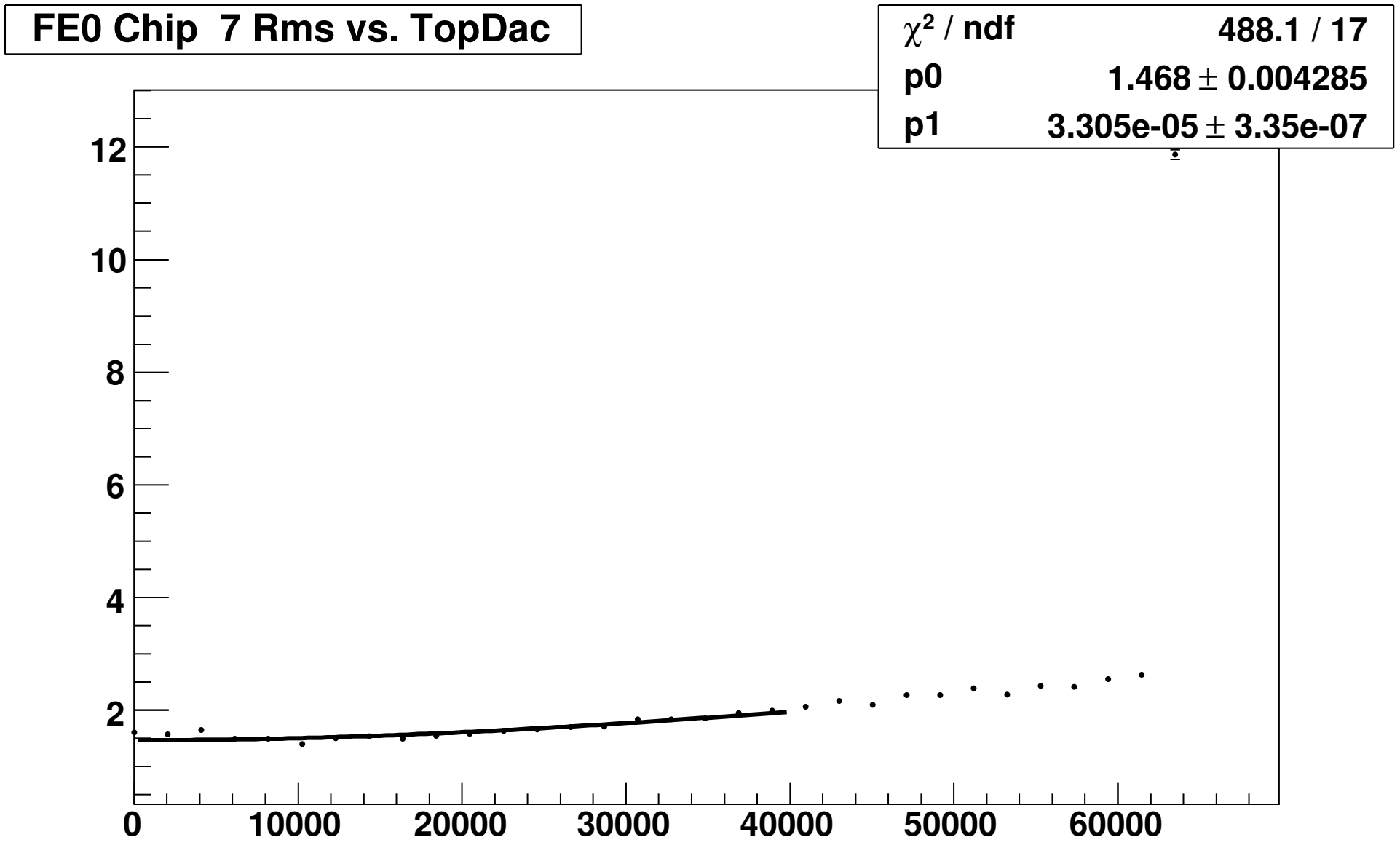

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 6.254e+04 / 17
p0 45.63 ± 0.007418
p1 0.4493 ± 3.495e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

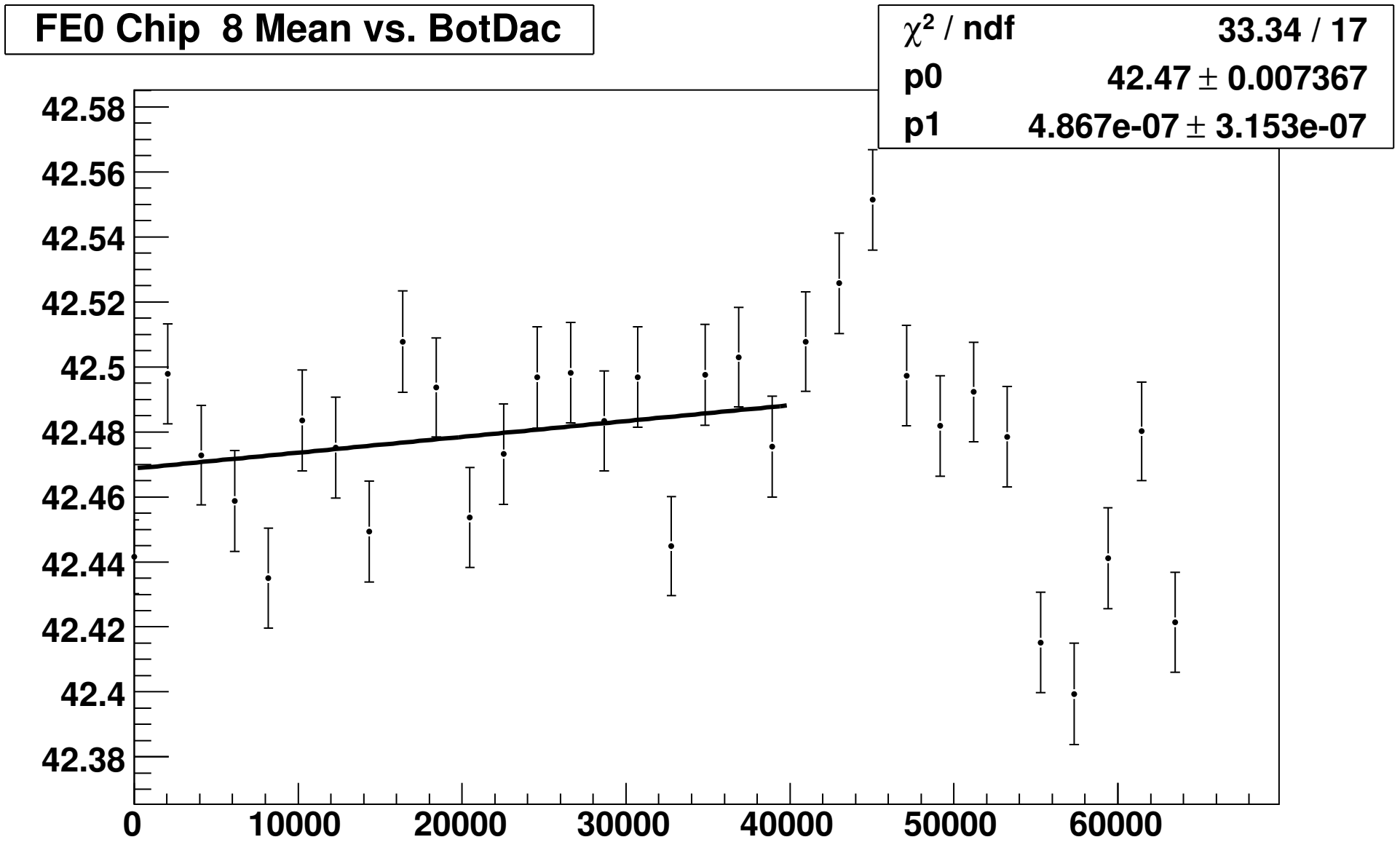

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 448.8 / 17
p0 1.355 ± 0.004024
p1 3.411e-05 ± 2.945e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

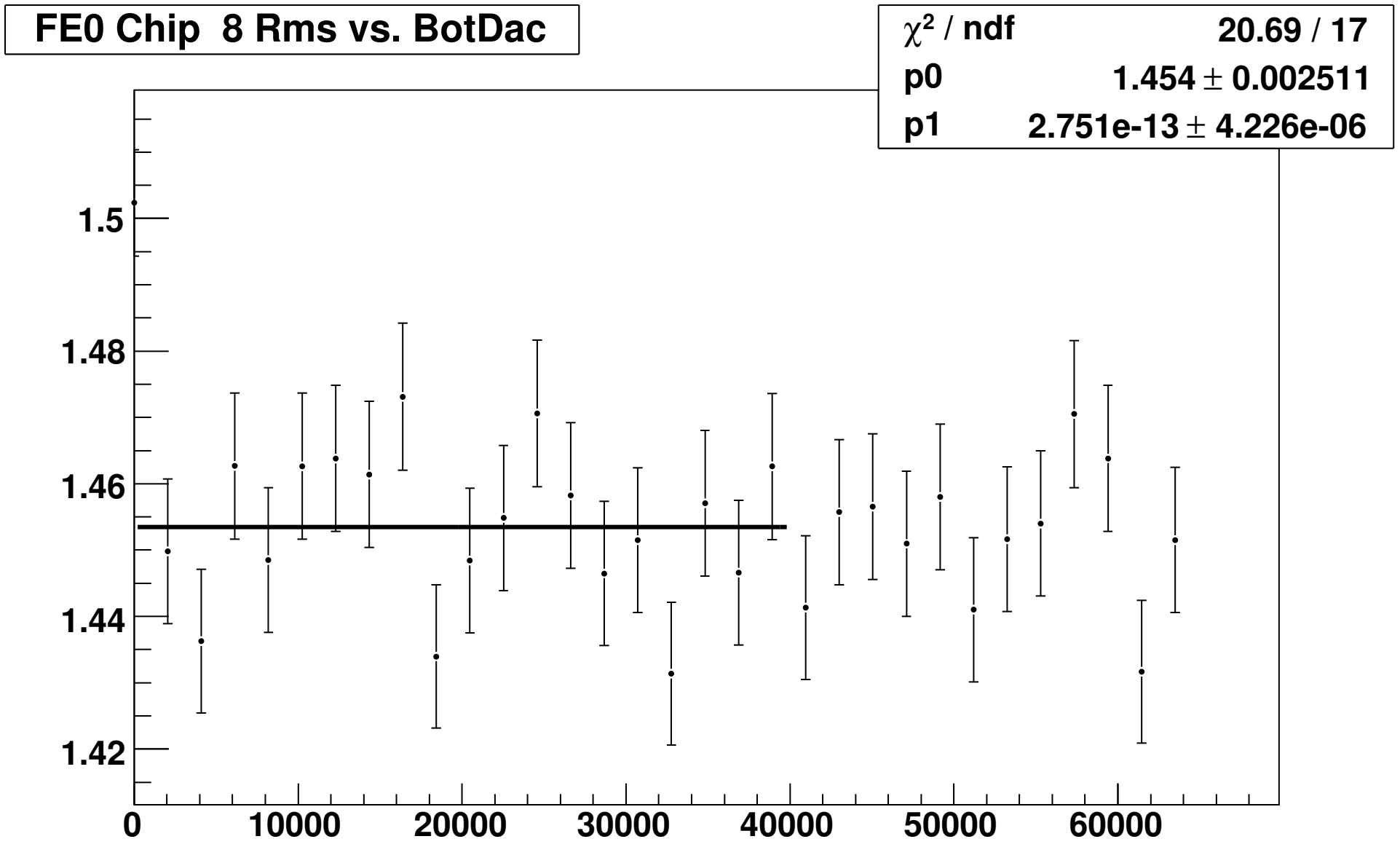

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 88.76 / 17
p0 46.94 ± 0.008038
p1 -6.815e-07 ± 3.444e-07
47
46.95
46.9
46.85
46.8
0
10000
20000
30000
40000
50000
60000

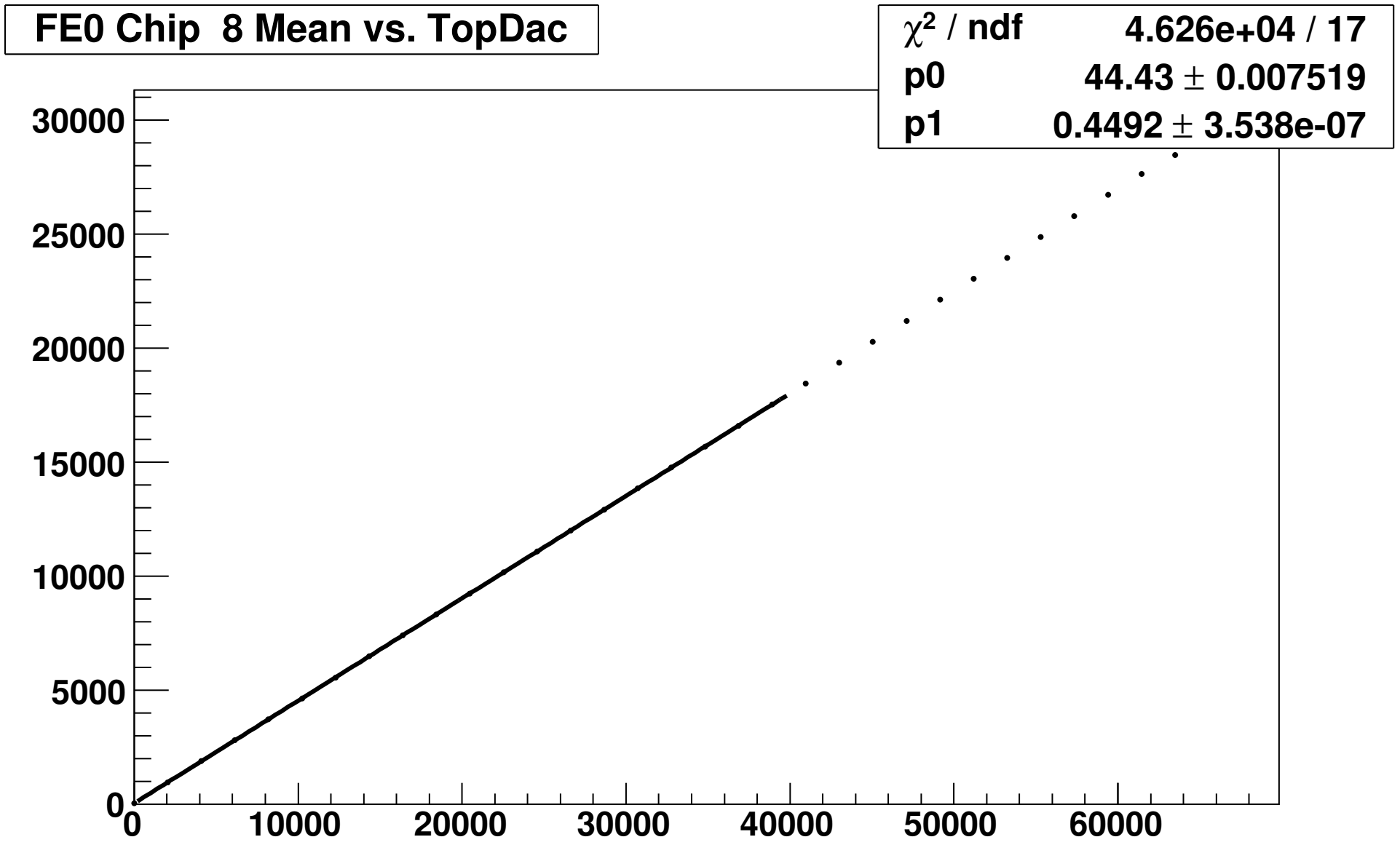

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 16.43 / 17
p0 1.585 ± 0.004174
p1 2.594e-06 ± 3.544e-06
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000

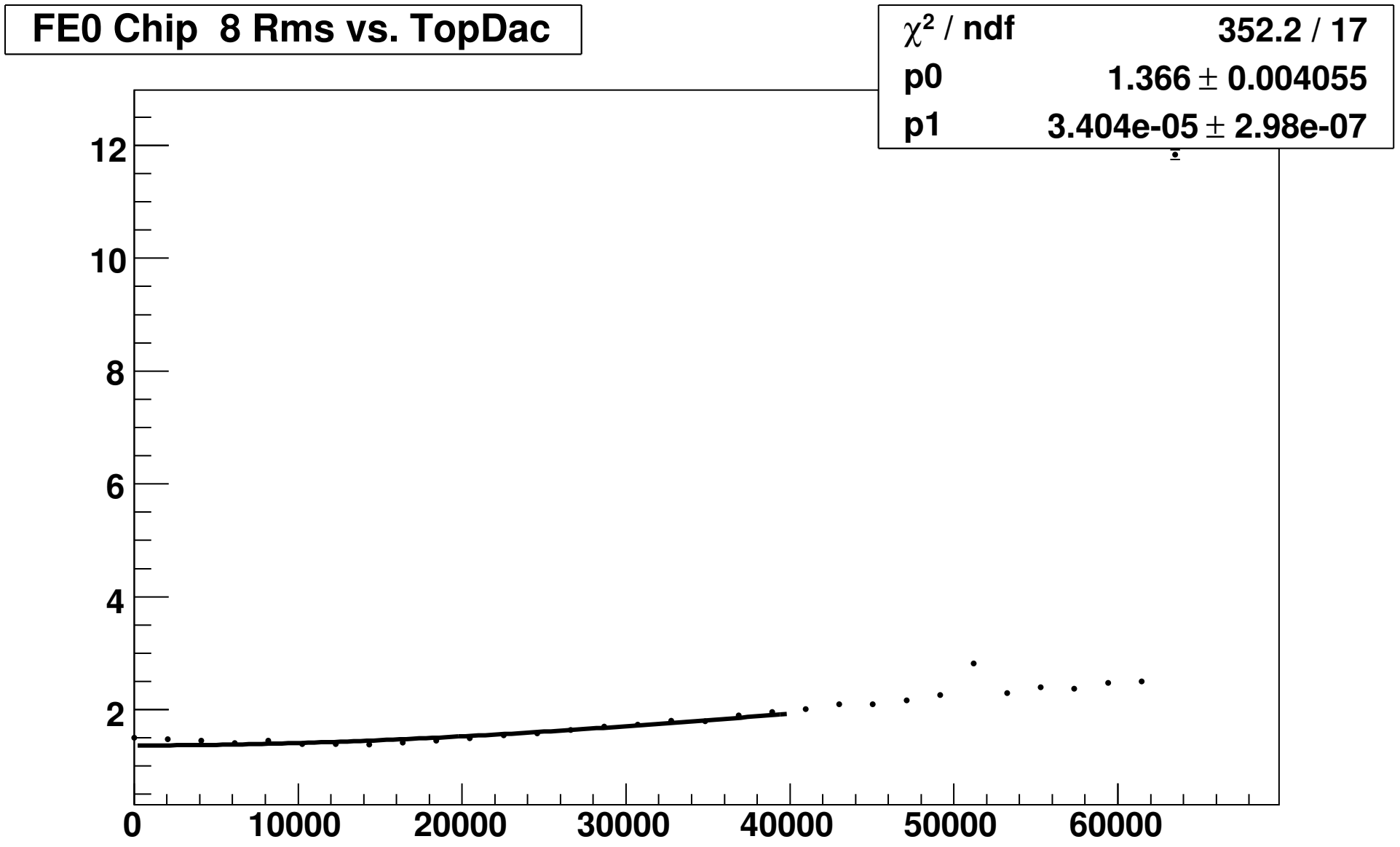

FE0 Chip 7 Mean vs. TopDac
χ² / ndf 3.588e+04 / 17
p0 48.92 ± 0.008007
p1 0.4492 ± 3.714e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

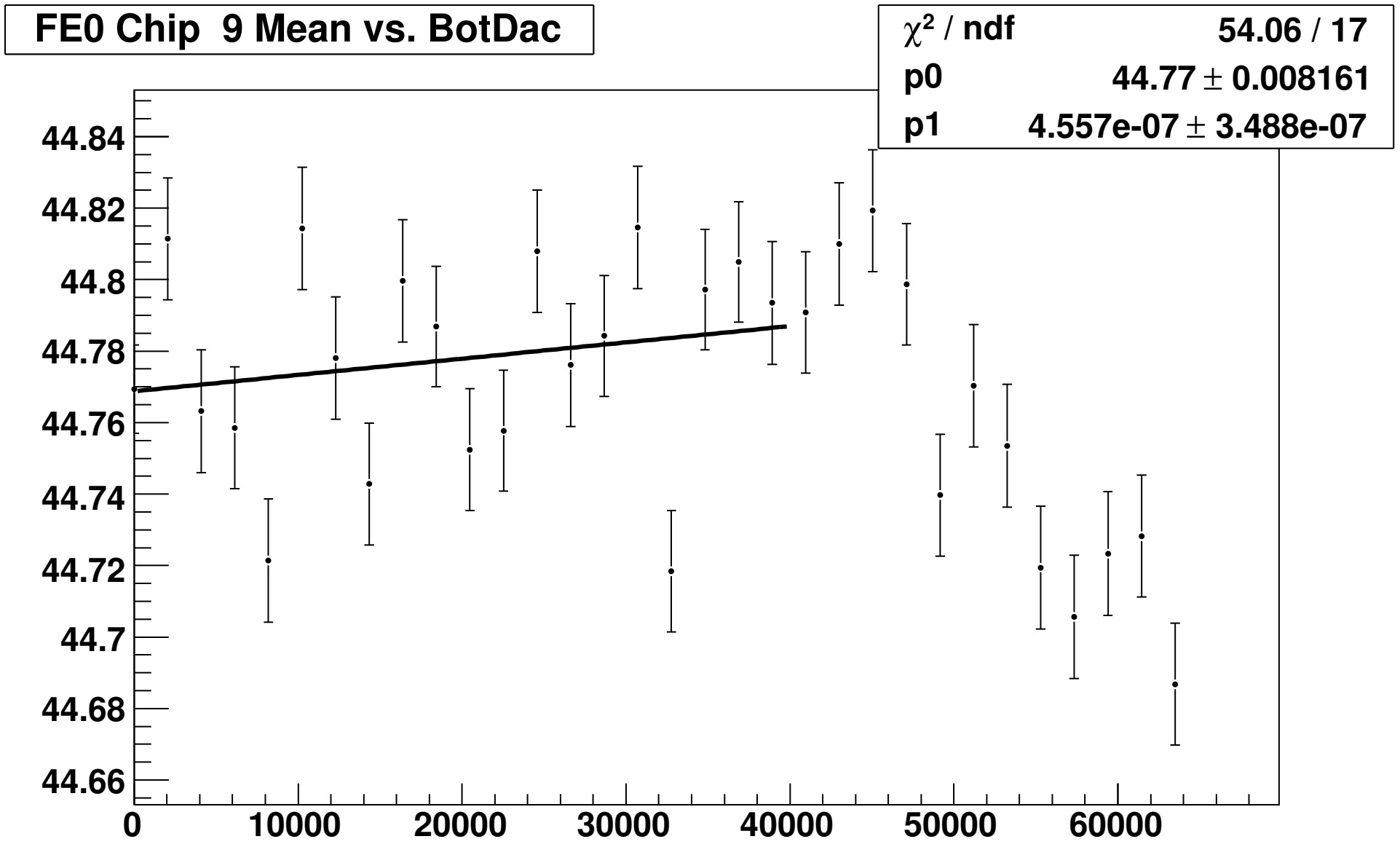

FE0 Chip 7 Rms vs. TopDac
χ² / ndf 488.1 / 17
p0 1.468 ± 0.004285
p1 3.305e-05 ± 3.35e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

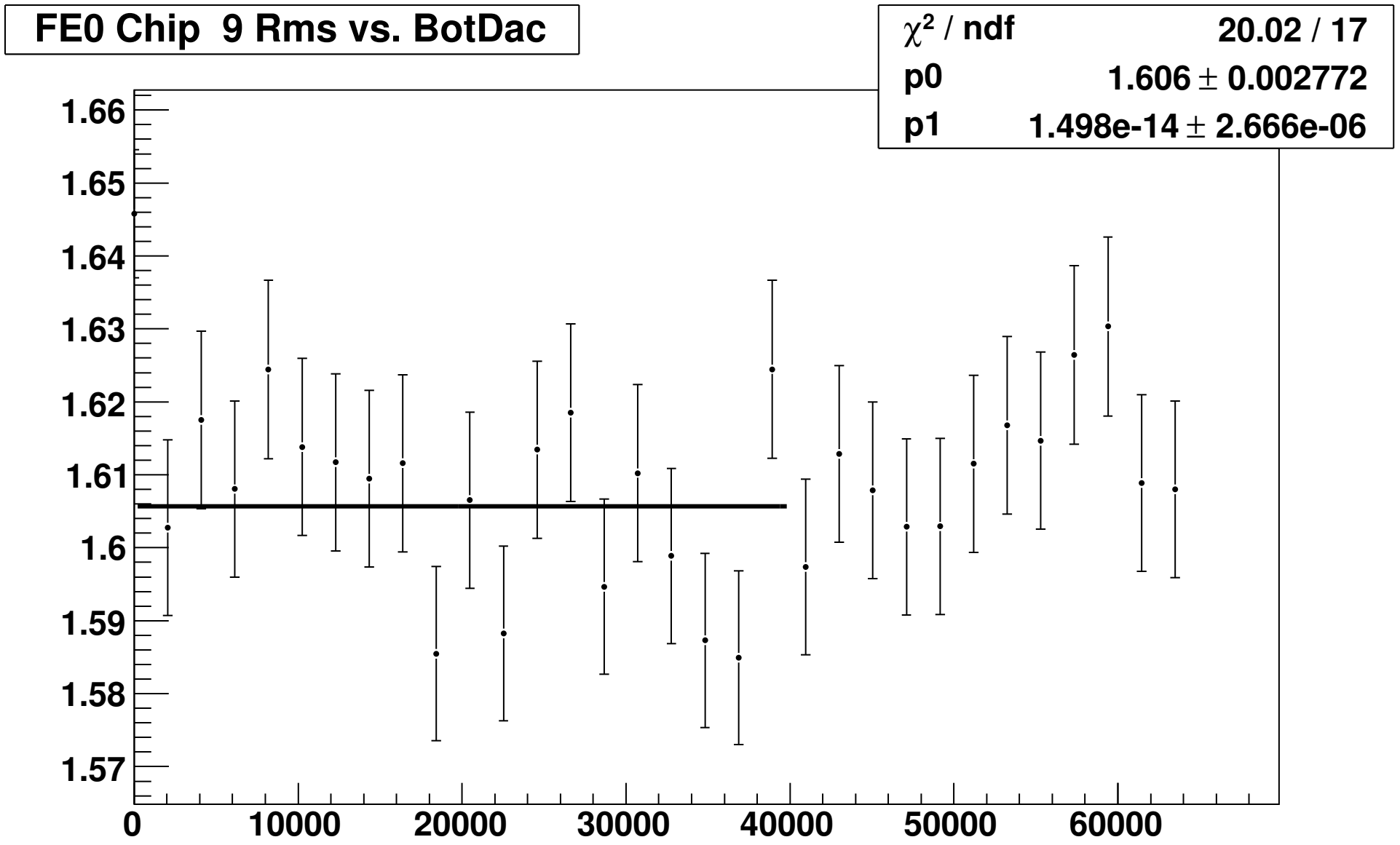

FE0 Chip 8 Mean vs. BotDac
χ² / ndf 33.34 / 17
p0 42.47 ± 0.007367
p1 4.867e-07 ± 3.153e-07
42.58
42.56
42.54
42.52
42.5
42.48
42.46
42.44
42.42
42.4
42.38
0
10000
20000
30000
40000
50000
60000

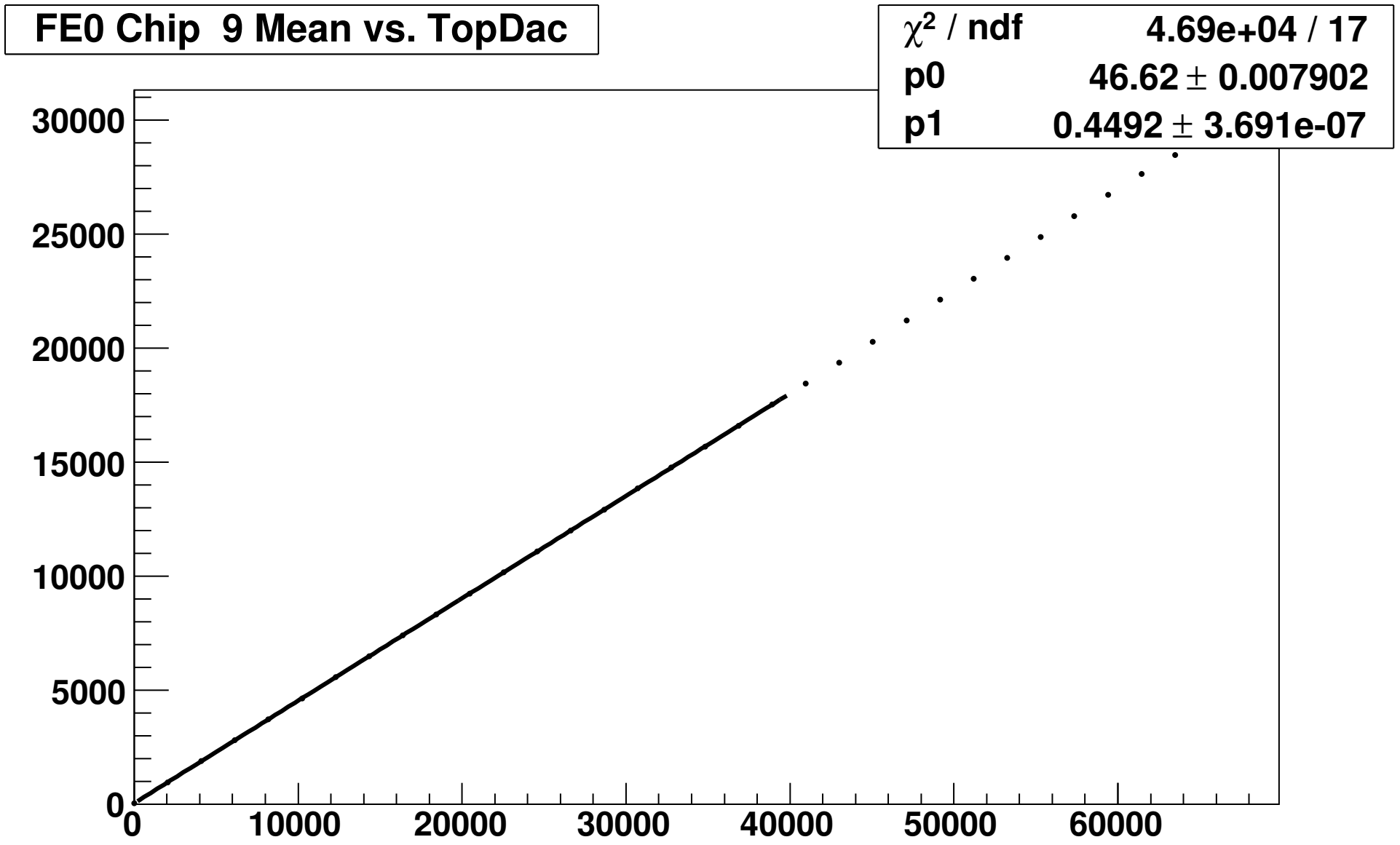

FE0 Chip 8 Rms vs. BotDac
χ² / ndf 20.69 / 17
p0 1.454 ± 0.002511
p1 2.751e-13 ± 4.226e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

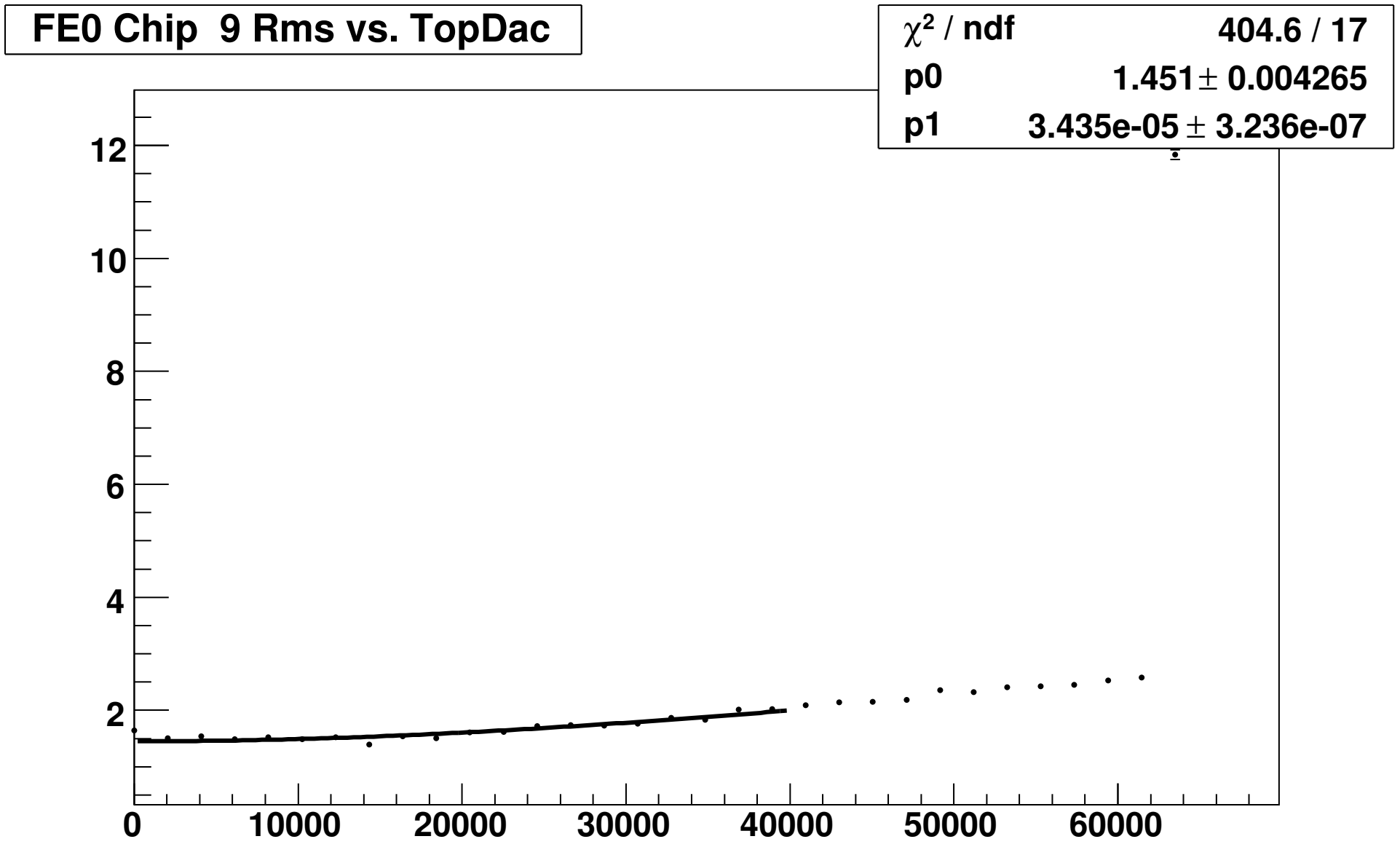

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 4.626e+04 / 17
p0 44.43 ± 0.007519
p1 0.4492 ± 3.538e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

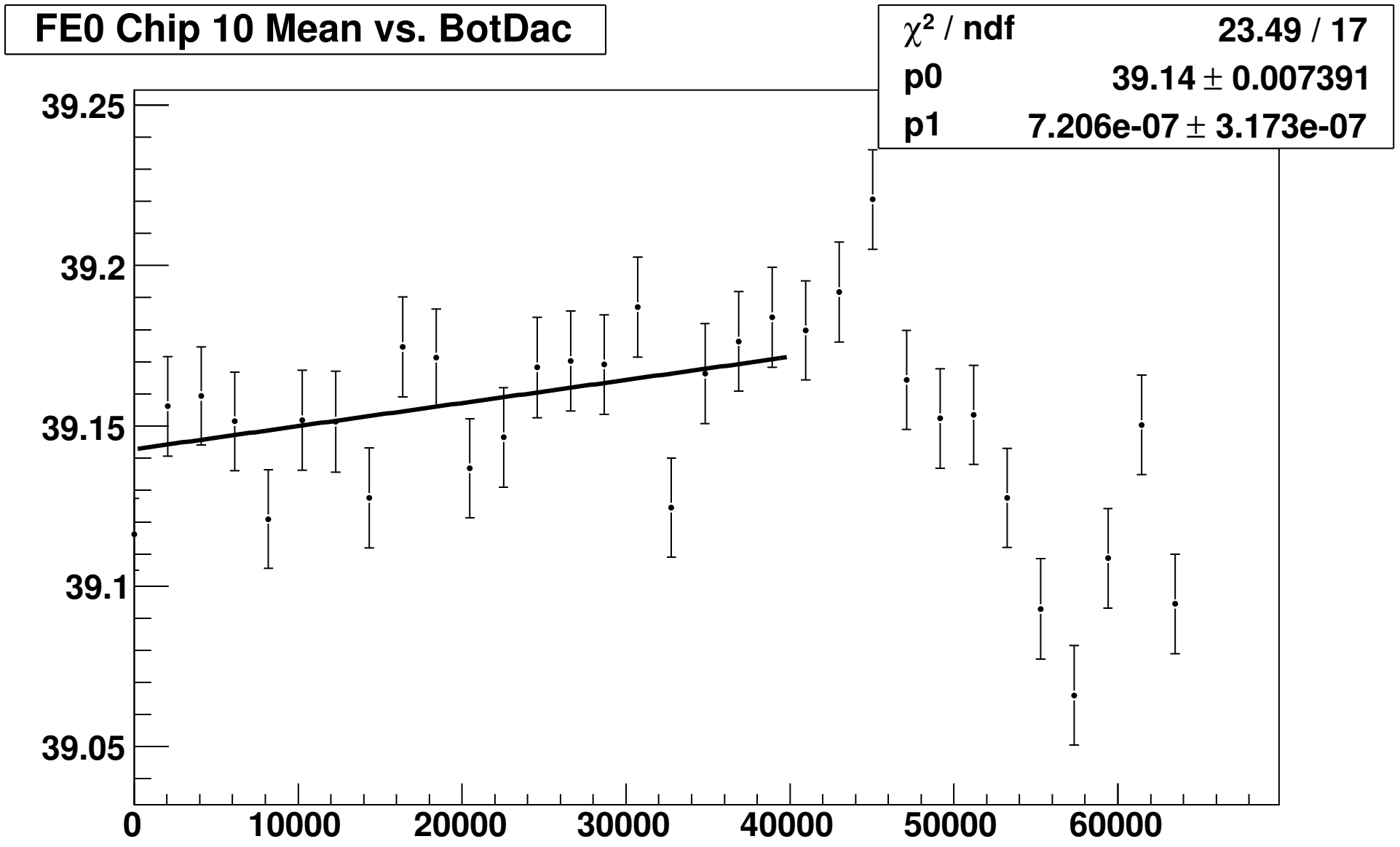

FE0 Chip 8 Rms vs. TopDac
χ² / ndf 352.2 / 17
p0 1.366 ± 0.004055
p1 3.404e-05 ± 2.98e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

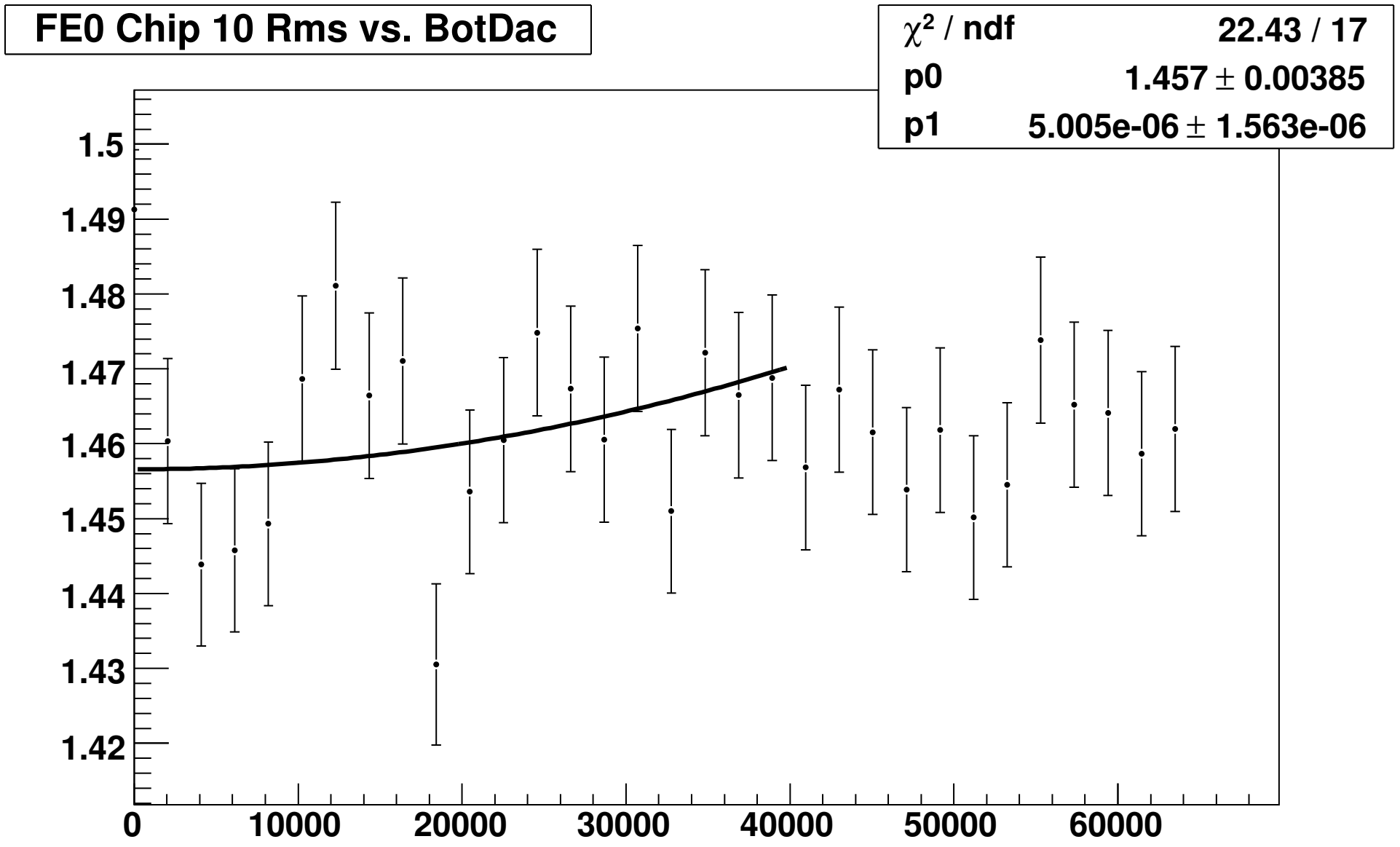

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 54.06 / 17
p0 44.77 ± 0.008161
p1 4.557e-07 ± 3.488e-07
44.84
44.82
44.8
44.78
44.76
44.74
44.72
44.7
44.68
44.66
0
10000
20000
30000
40000
50000
60000

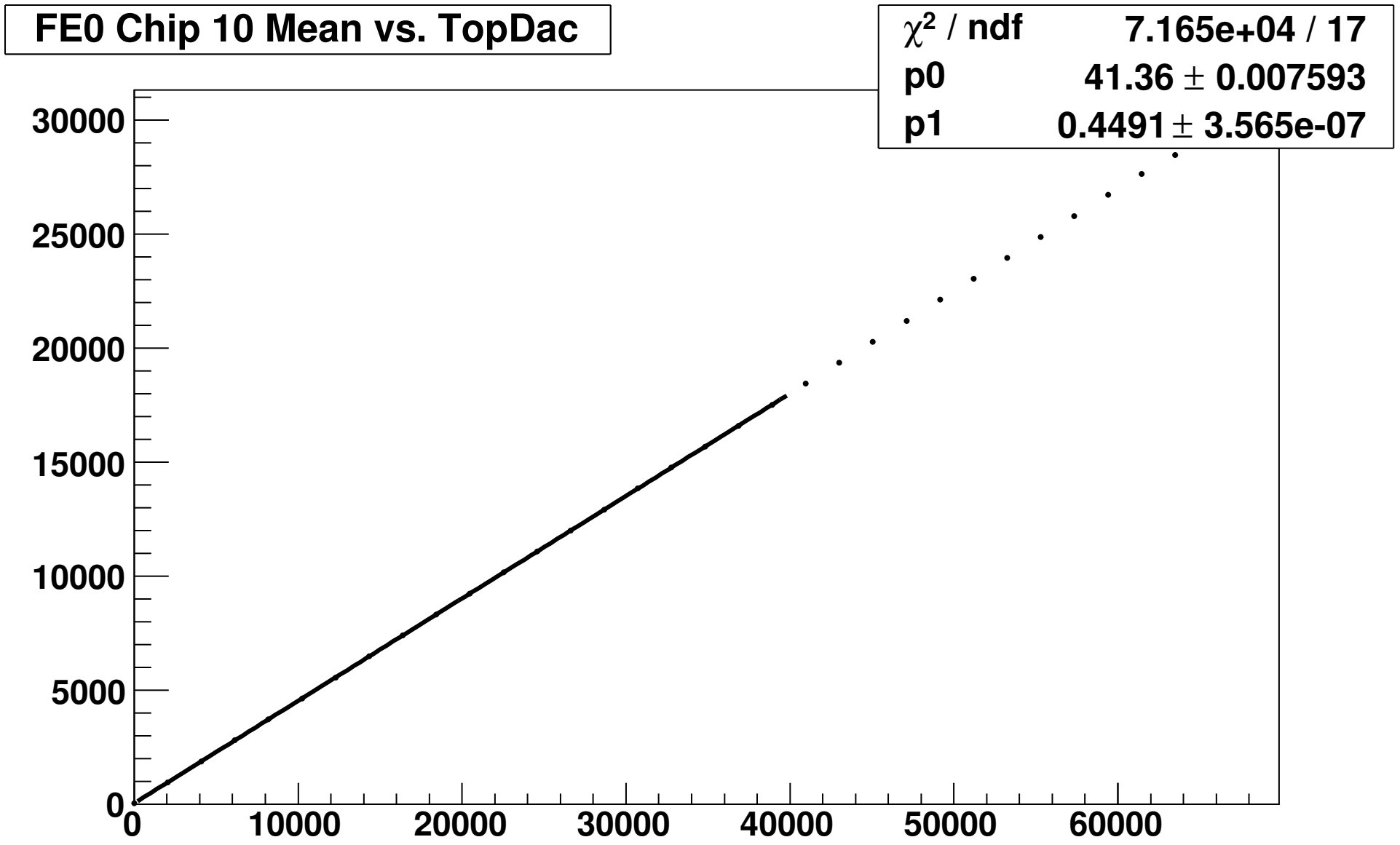

FE0 Chip 9 Rms vs. BotDac
χ² / ndf 20.02 / 17
p0 1.606 ± 0.002772
p1 1.498e-14 ± 2.666e-06
1.66
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
0
10000
20000
30000
40000
50000
60000

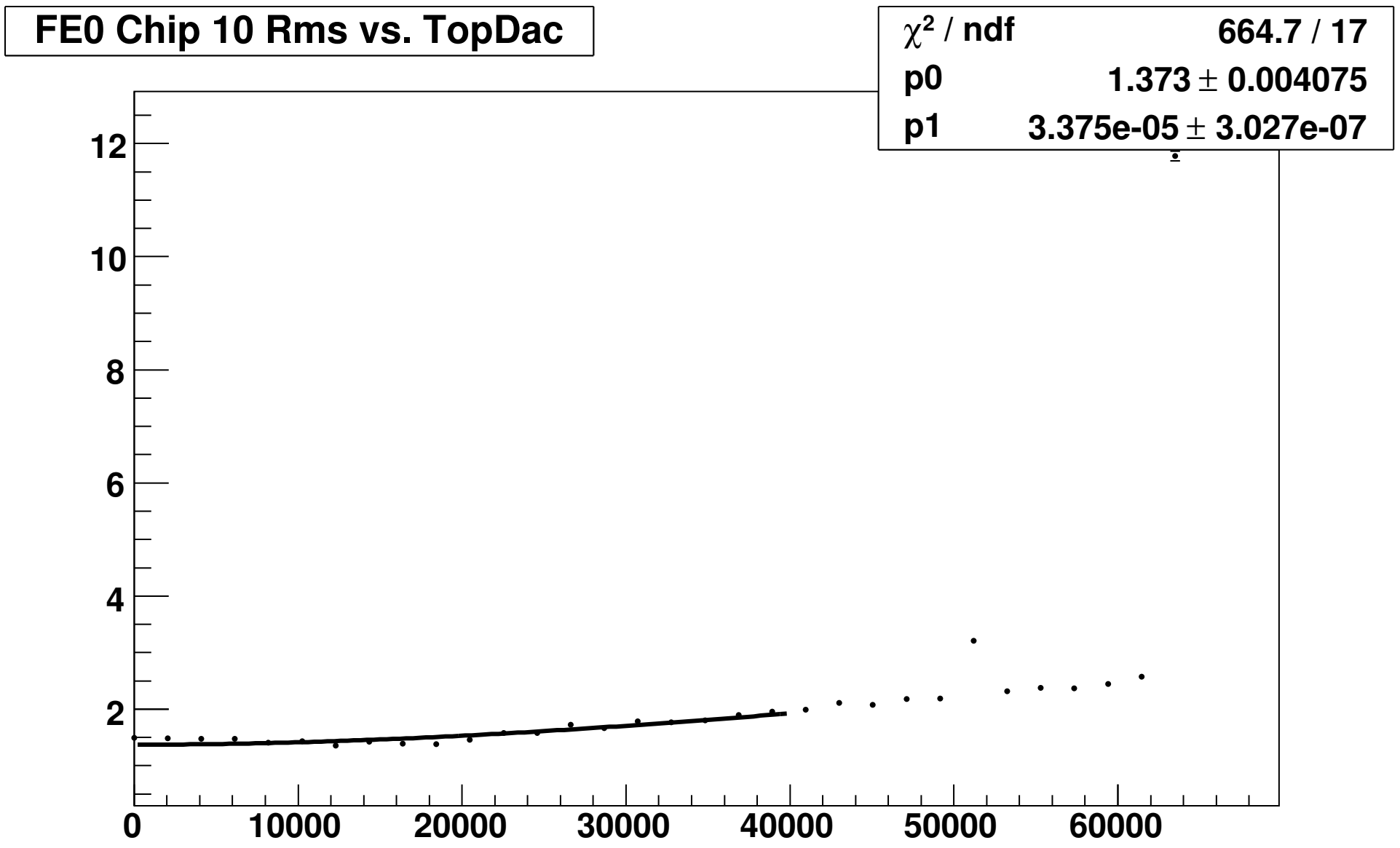

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 4.69e+04 / 17
p0 46.62 ± 0.007902
p1 0.4492 ± 3.691e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

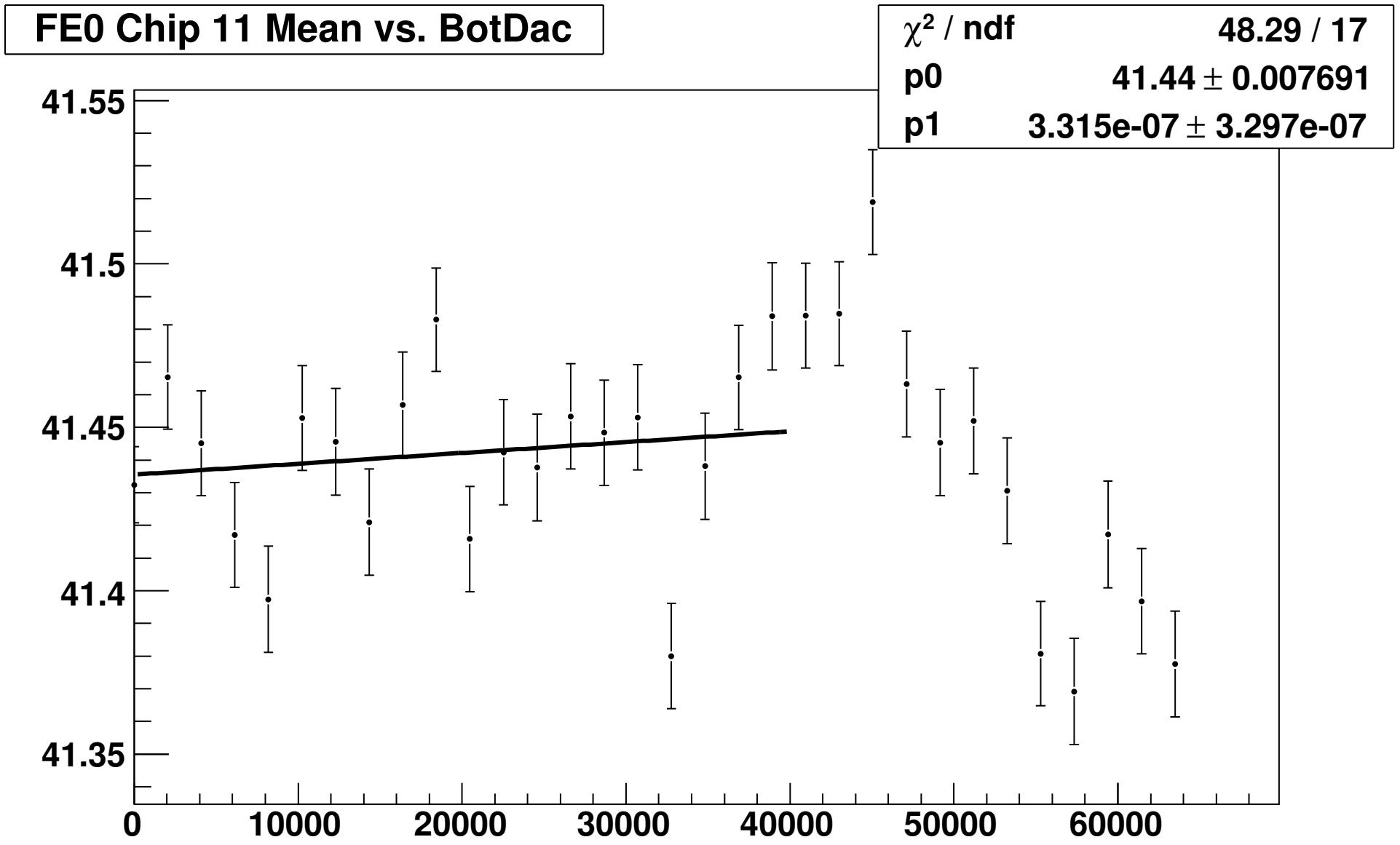

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 404.6 / 17
p0 1.451 ± 0.004265
p1 3.435e-05 ± 3.236e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

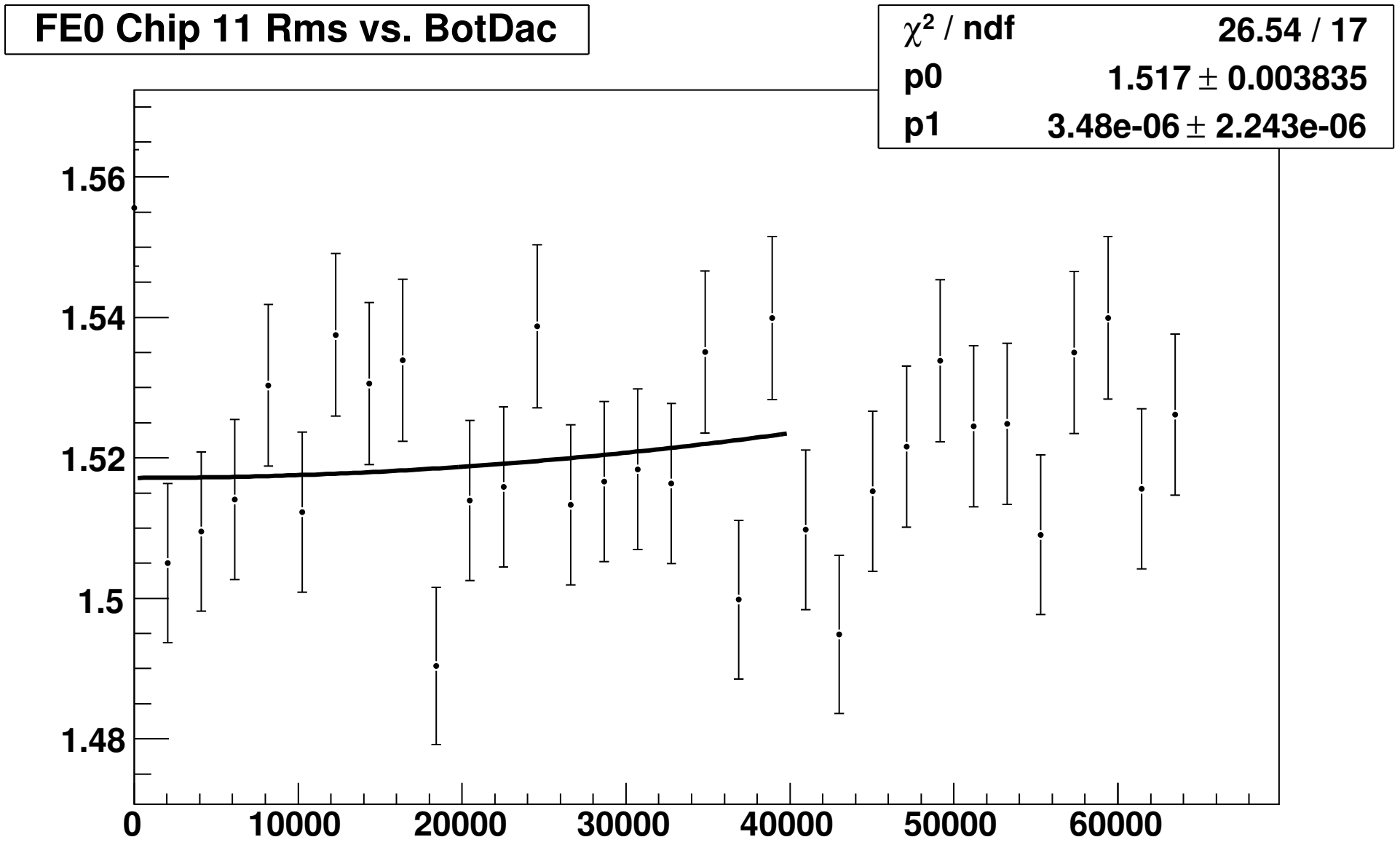

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 23.49 / 17
p0 39.14 ± 0.007391
p1 7.206e-07 ± 3.173e-07
39.25
39.2
39.15
39.1
39.05
0
10000
20000
30000
40000
50000
60000

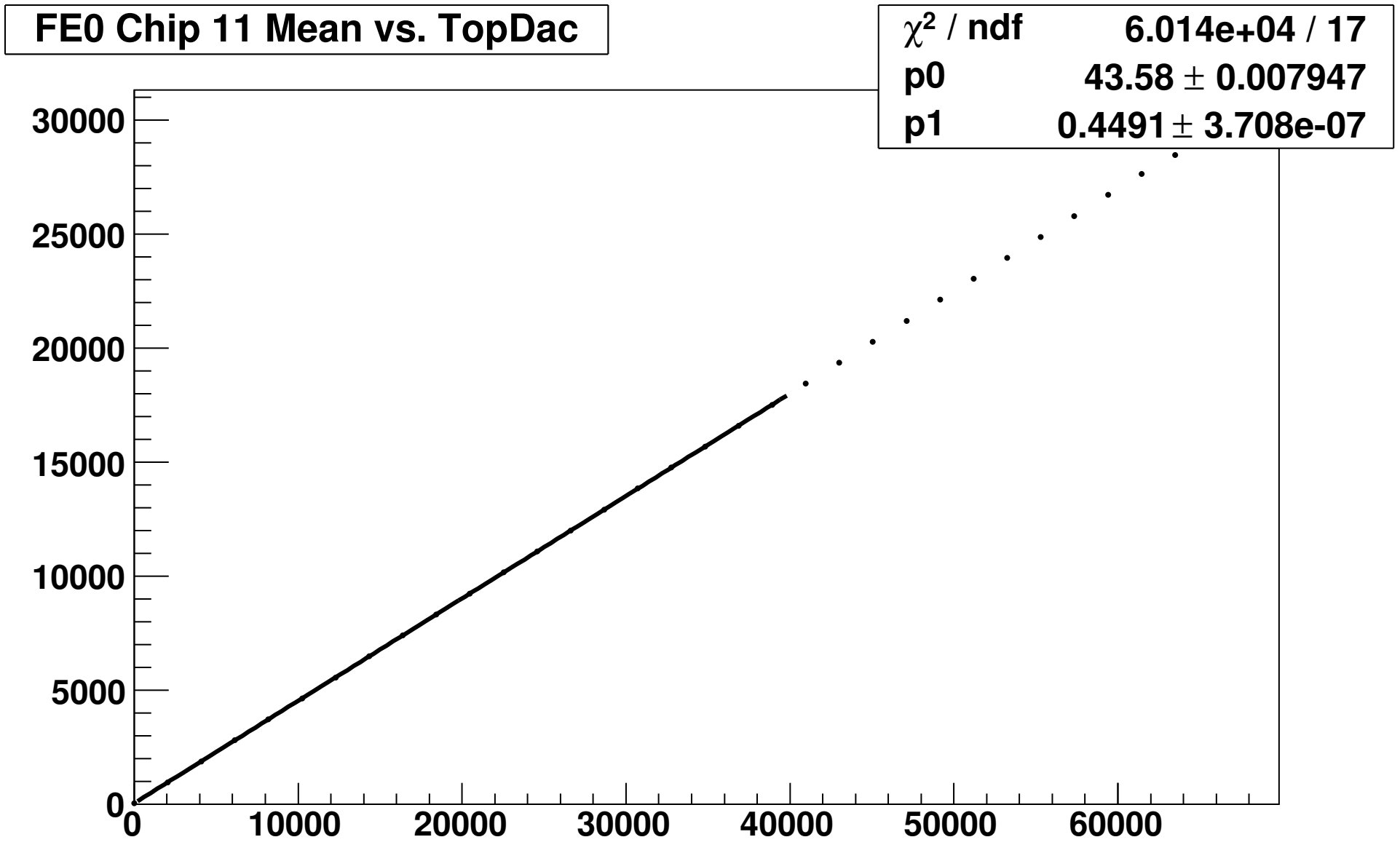

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 22.43 / 17
p0 1.457 ± 0.00385
p1 5.005e-06 ± 1.563e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

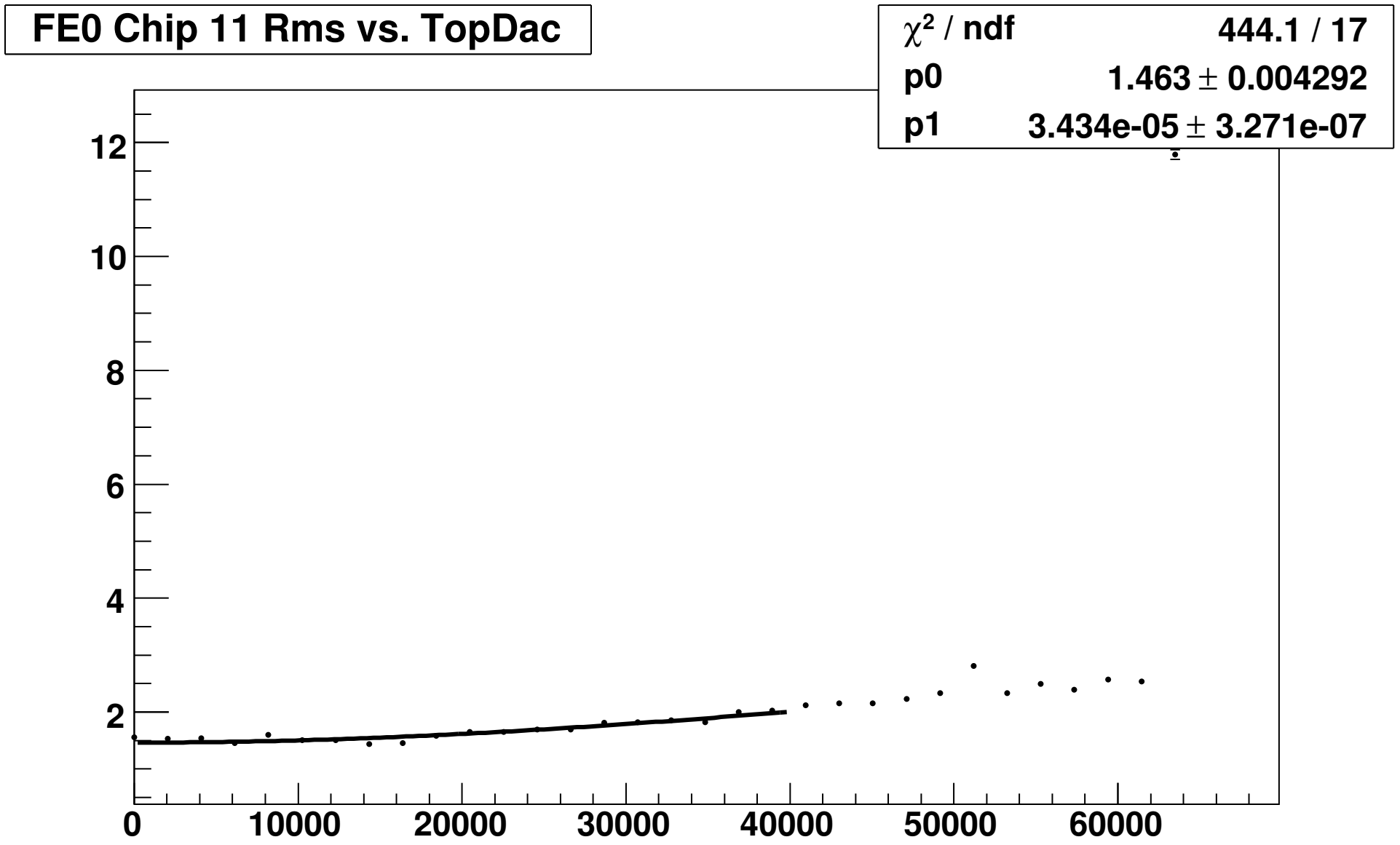

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 7.165e+04 / 17
p0 41.36 ± 0.007593
p1 0.4491 ± 3.565e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

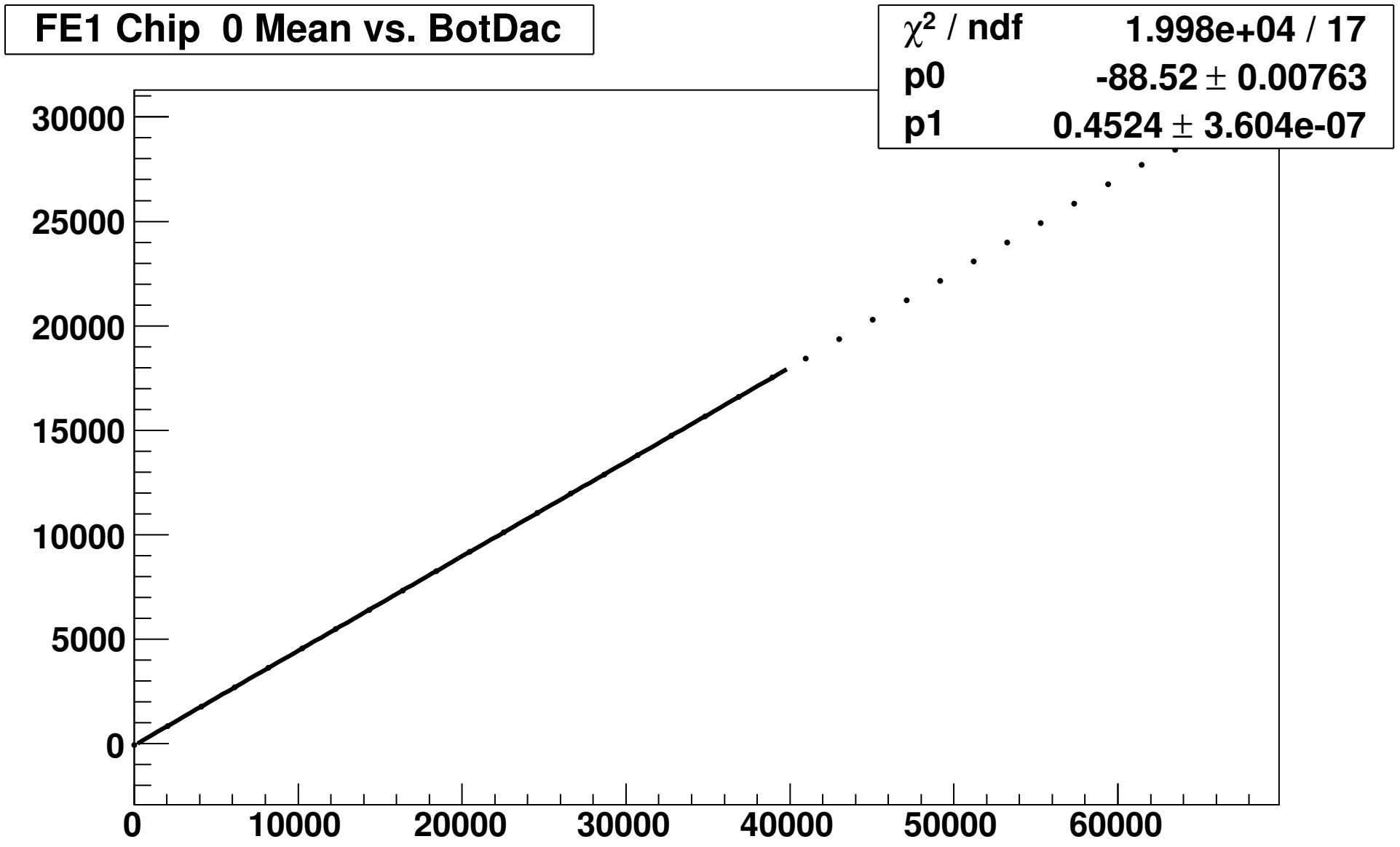

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 664.7 / 17
p0 1.373 ± 0.004075
p1 3.375e-05 ± 3.027e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

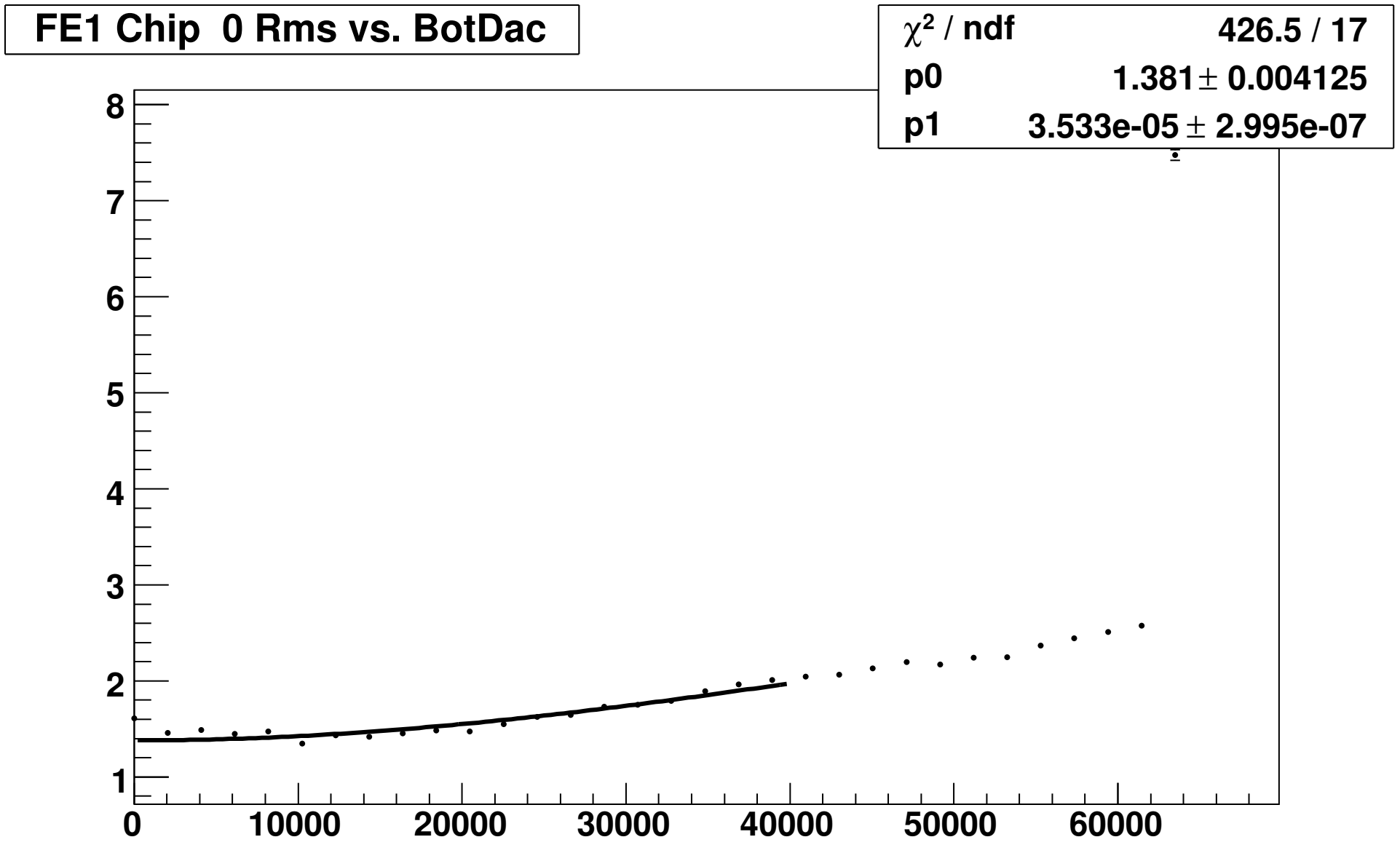

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 48.29 / 17
p0 41.44 ± 0.007691
p1 3.315e-07 ± 3.297e-07
41.55
41.5
41.45
41.4
41.35
0
10000
20000
30000
40000
50000
60000

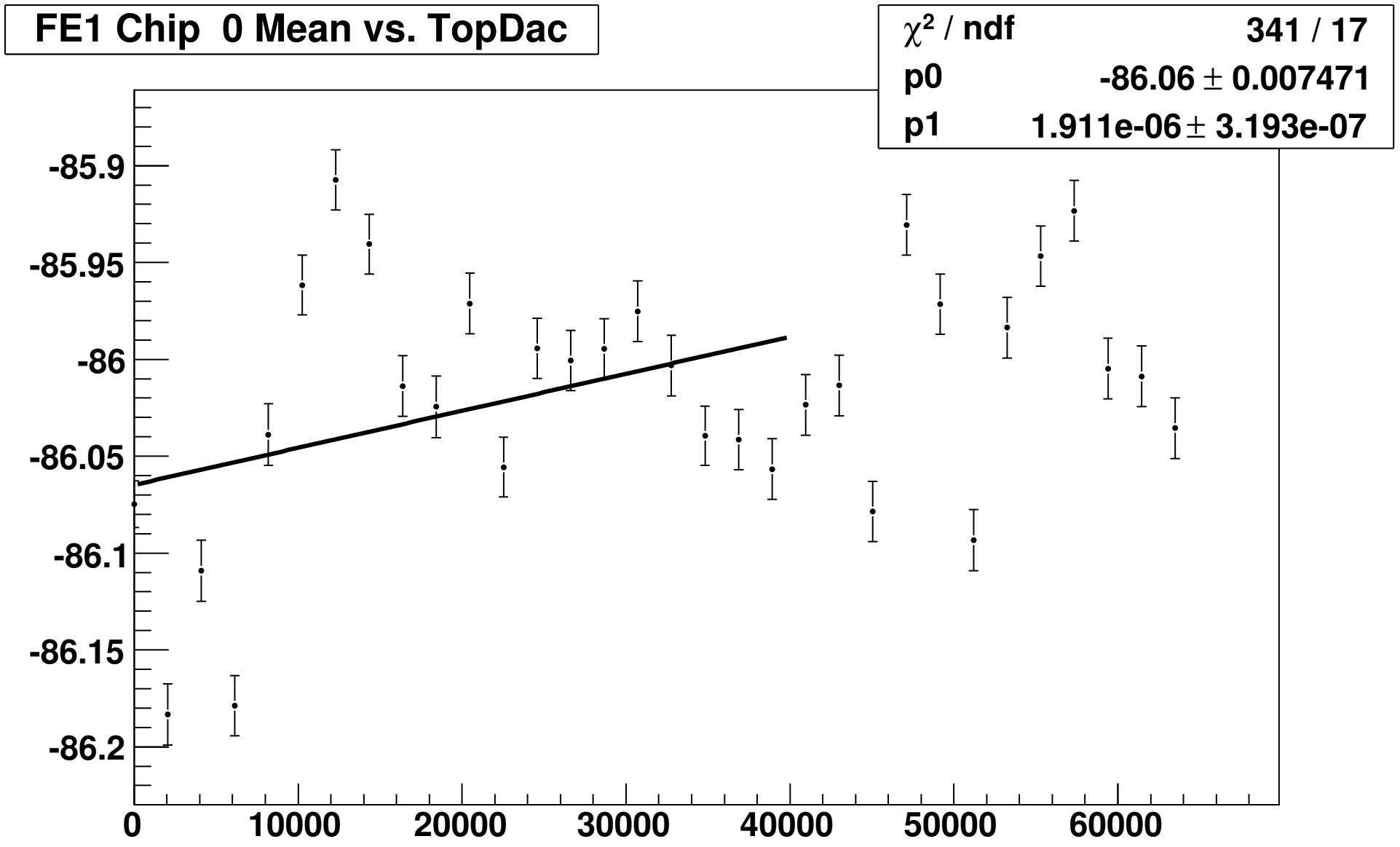

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 26.54 / 17
p0 1.517 ± 0.003835
p1 3.48e-06 ± 2.243e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

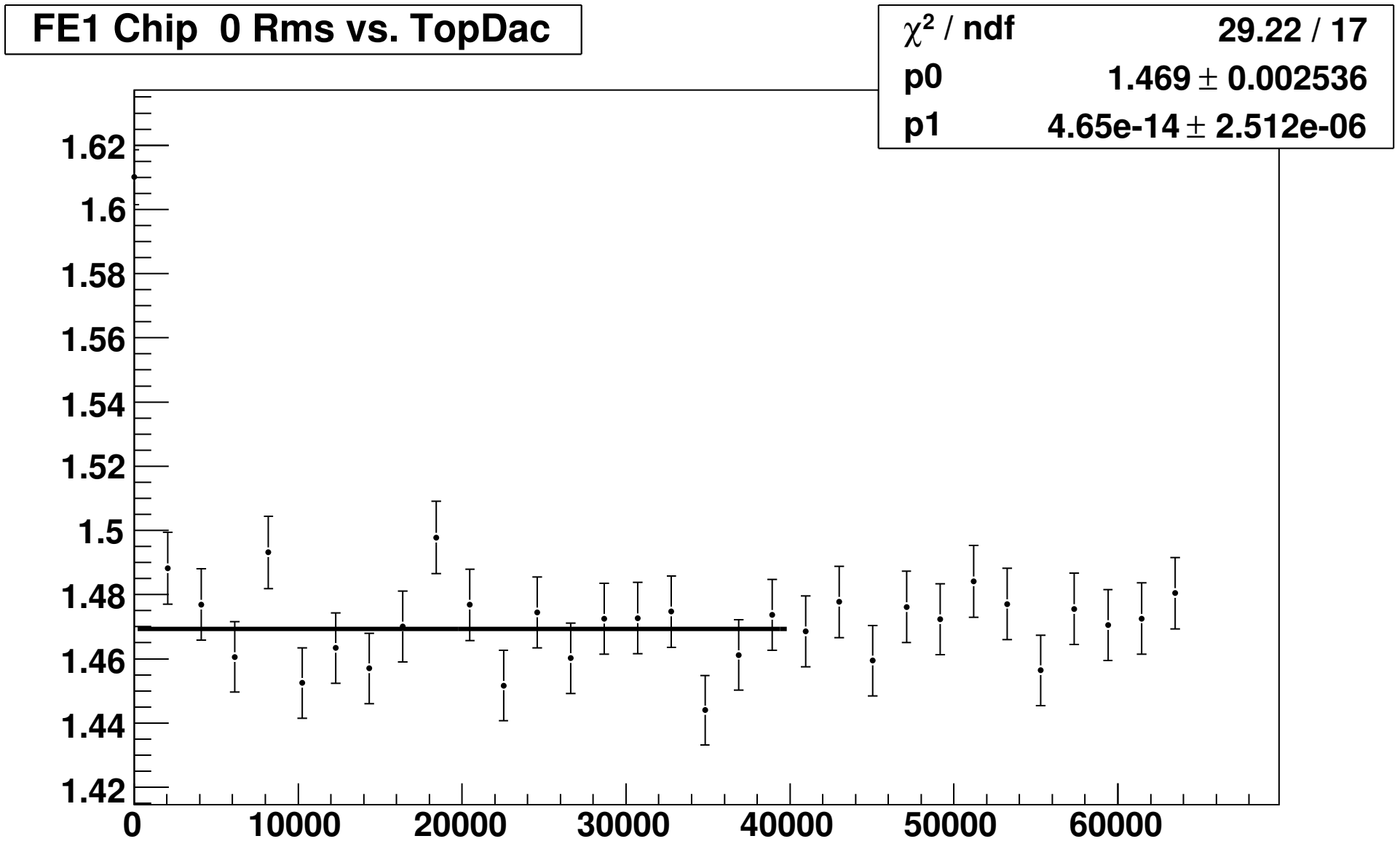

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 6.014e+04 / 17
p0 43.58 ± 0.007947
p1 0.4491 ± 3.708e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

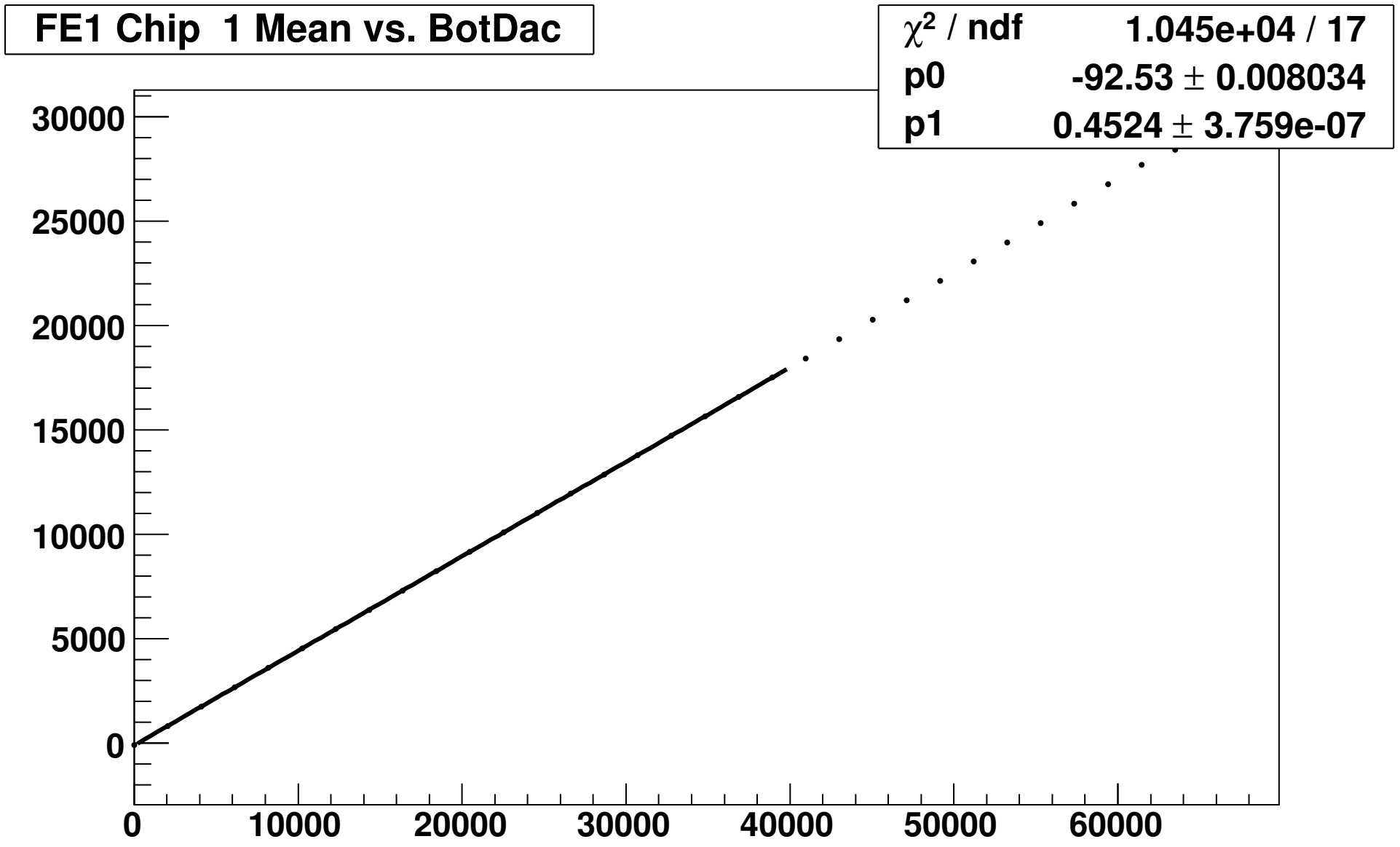

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 444.1 / 17
p0 1.463 ± 0.004292
p1 3.434e-05 ± 3.271e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

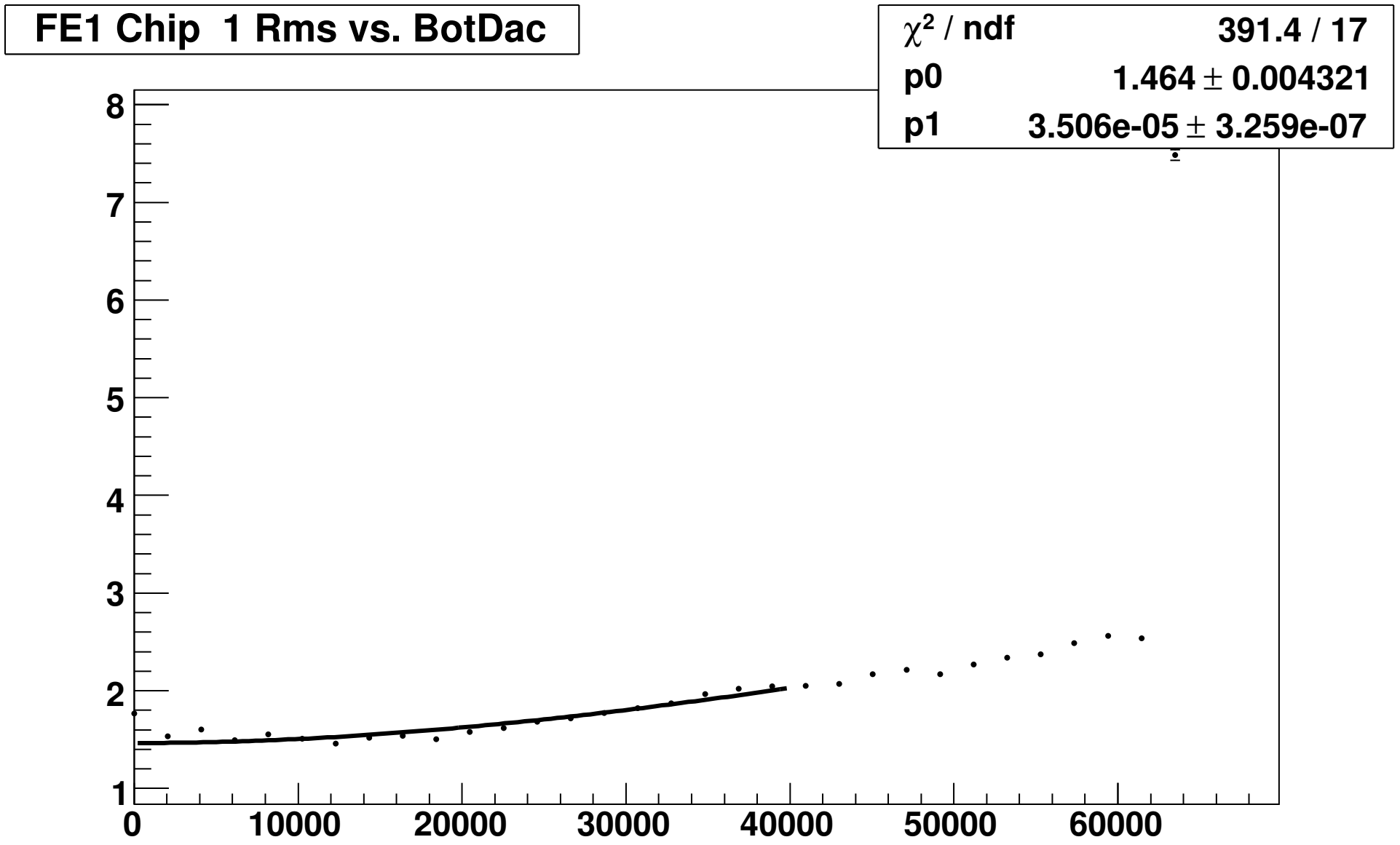

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.998e+04 / 17
p0 -88.52 ± 0.00763
p1 0.4524 ± 3.604e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

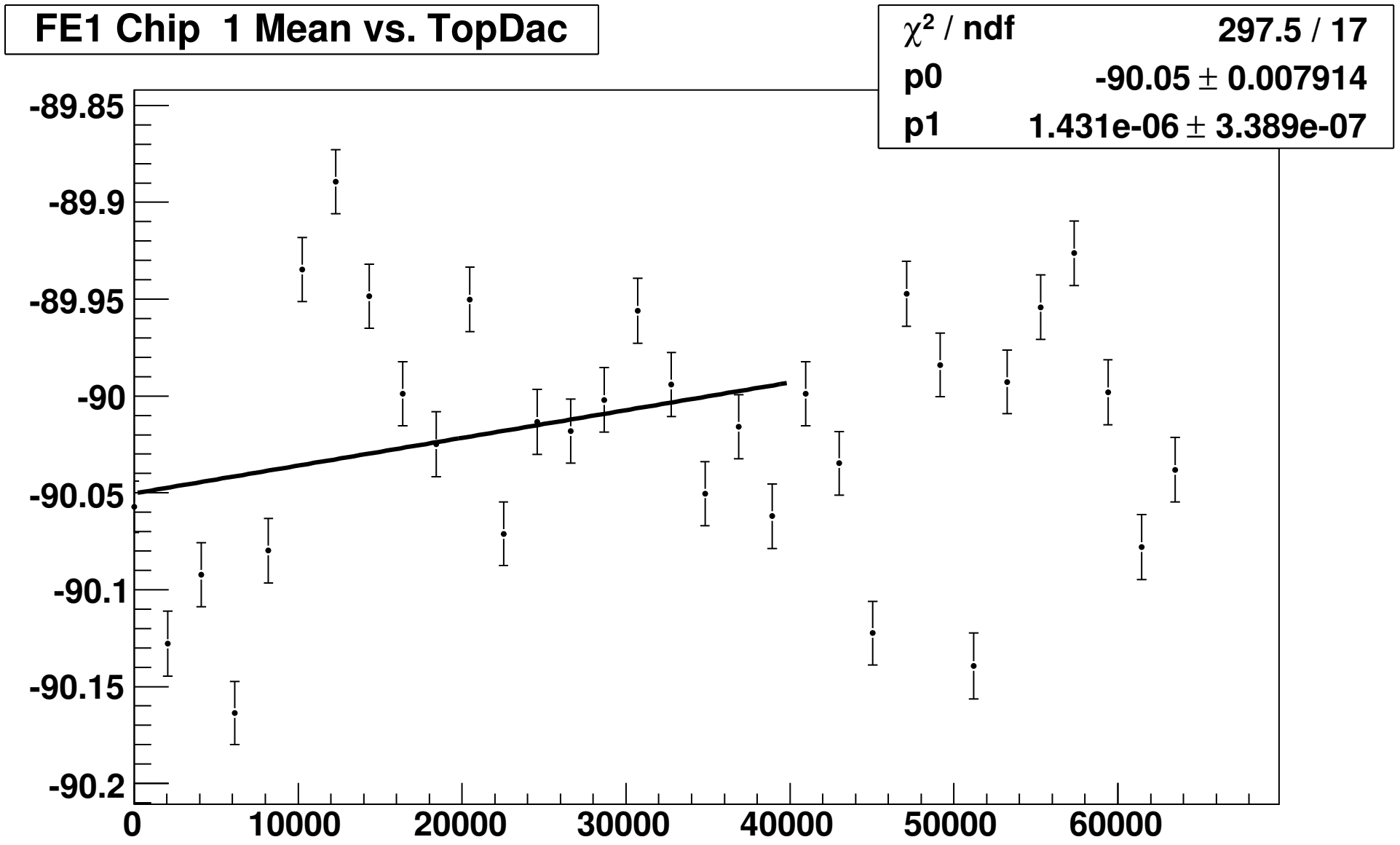

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 426.5 / 17
p0 1.381 ± 0.004125
p1 3.533e-05 ± 2.995e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

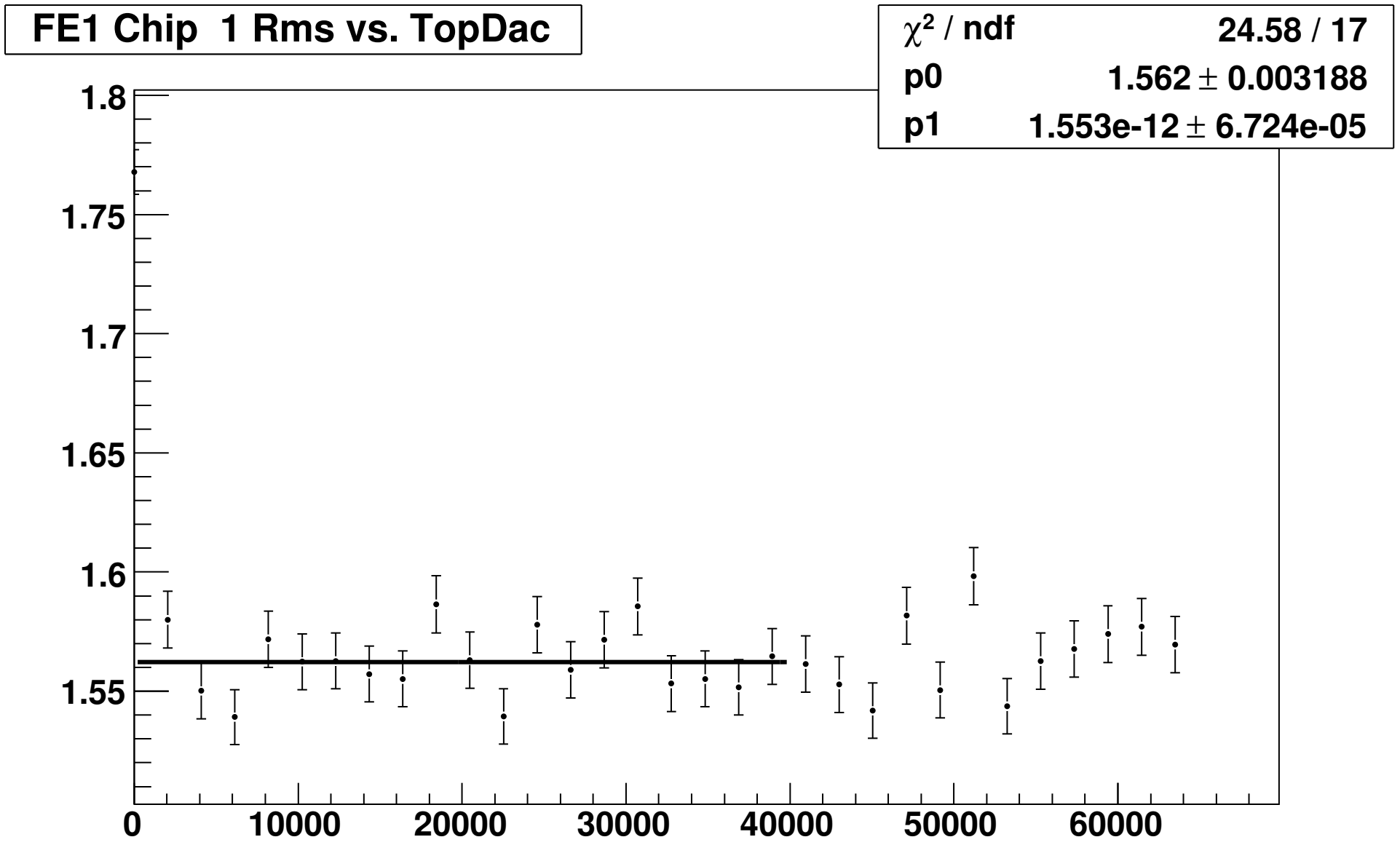

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 341 / 17
p0 -86.06 ± 0.007471
p1 1.911e-06 ± 3.193e-07
-85.9
-85.95
-86
-86.05
-86.1
-86.15
-86.2
0
10000
20000
30000
40000
50000
60000

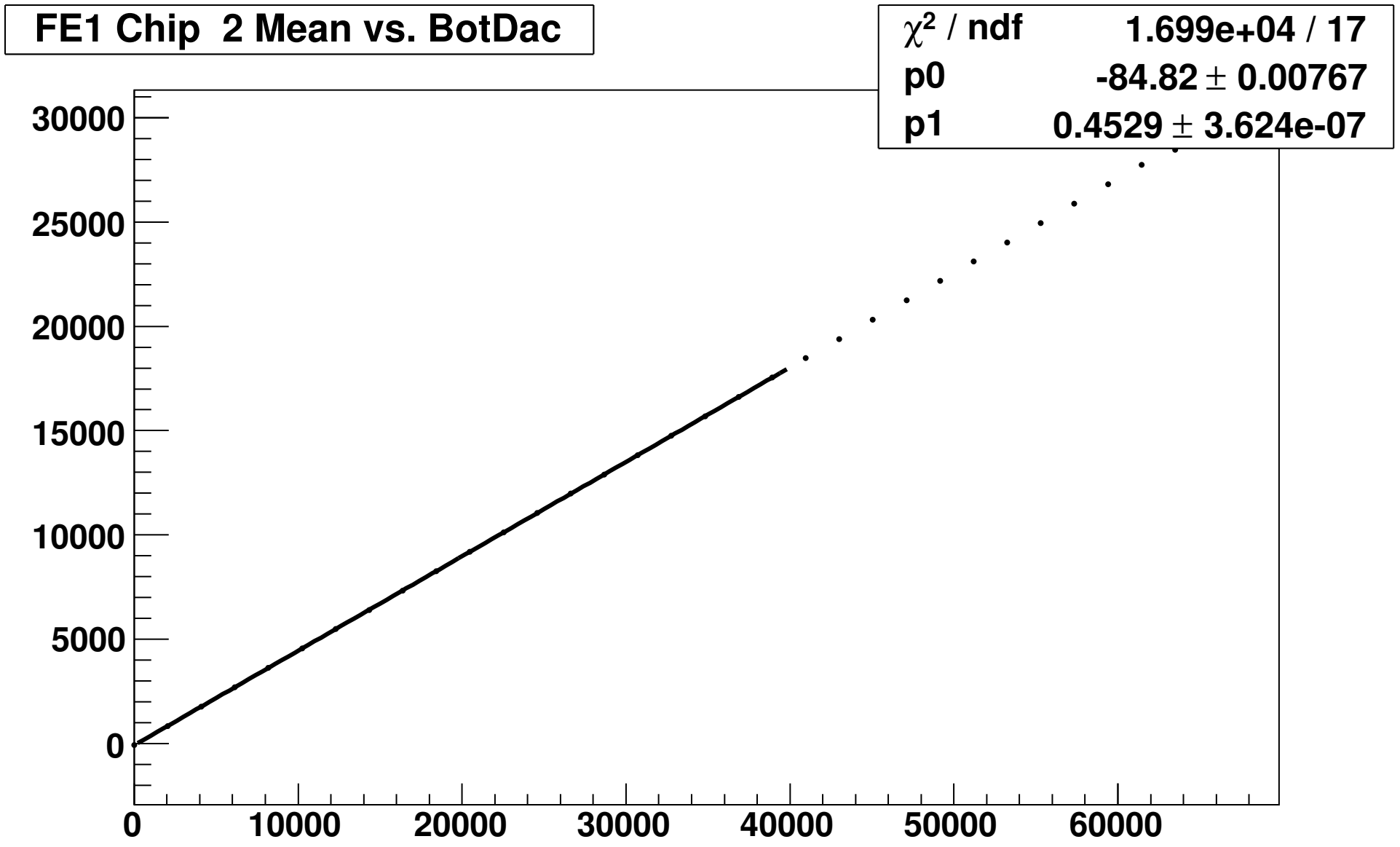

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 29.22 / 17
p0 1.469 ± 0.002536
p1 4.65e-14 ± 2.512e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

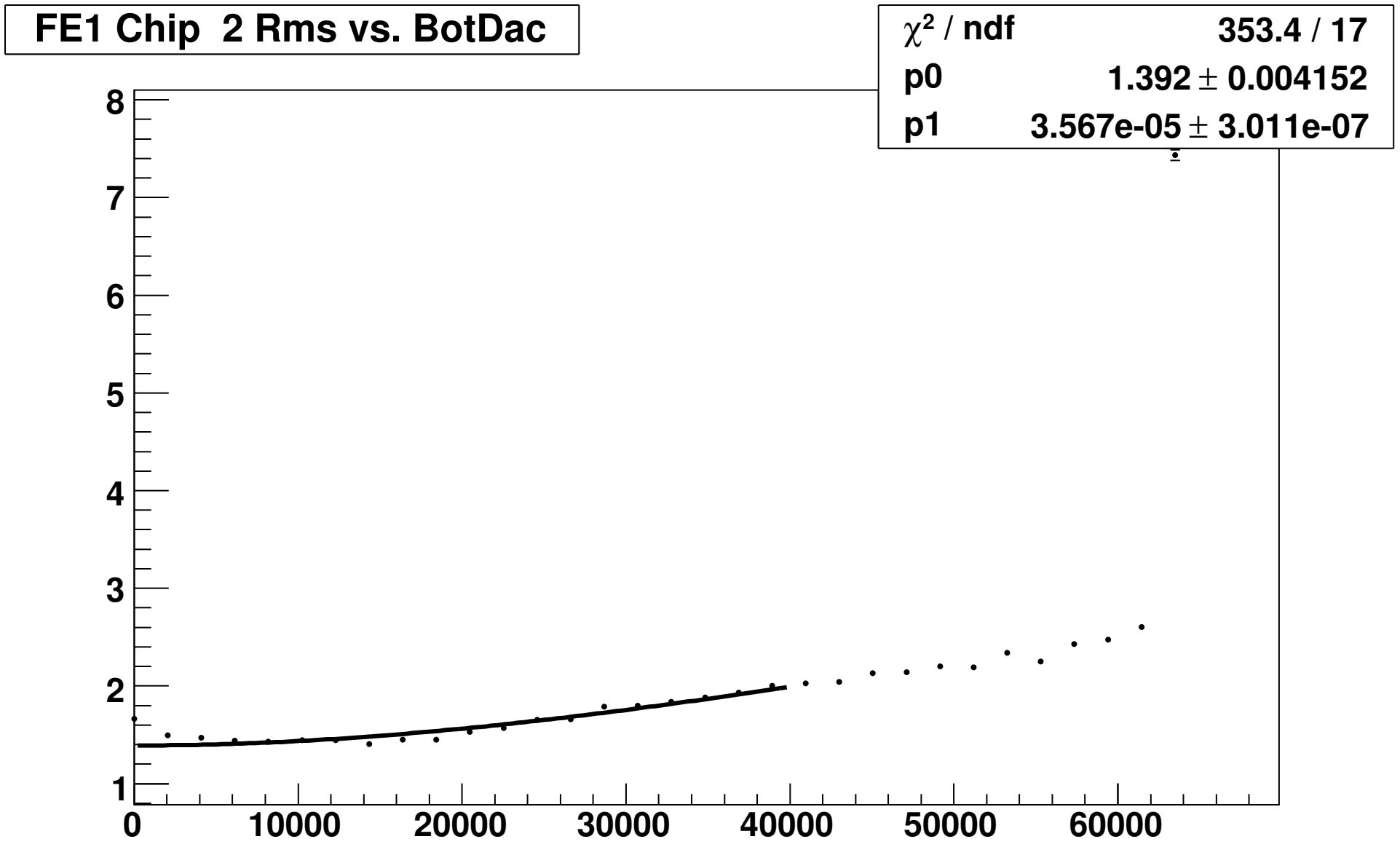

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 1.045e+04 / 17
p0 -92.53 ± 0.008034
p1 0.4524 ± 3.759e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

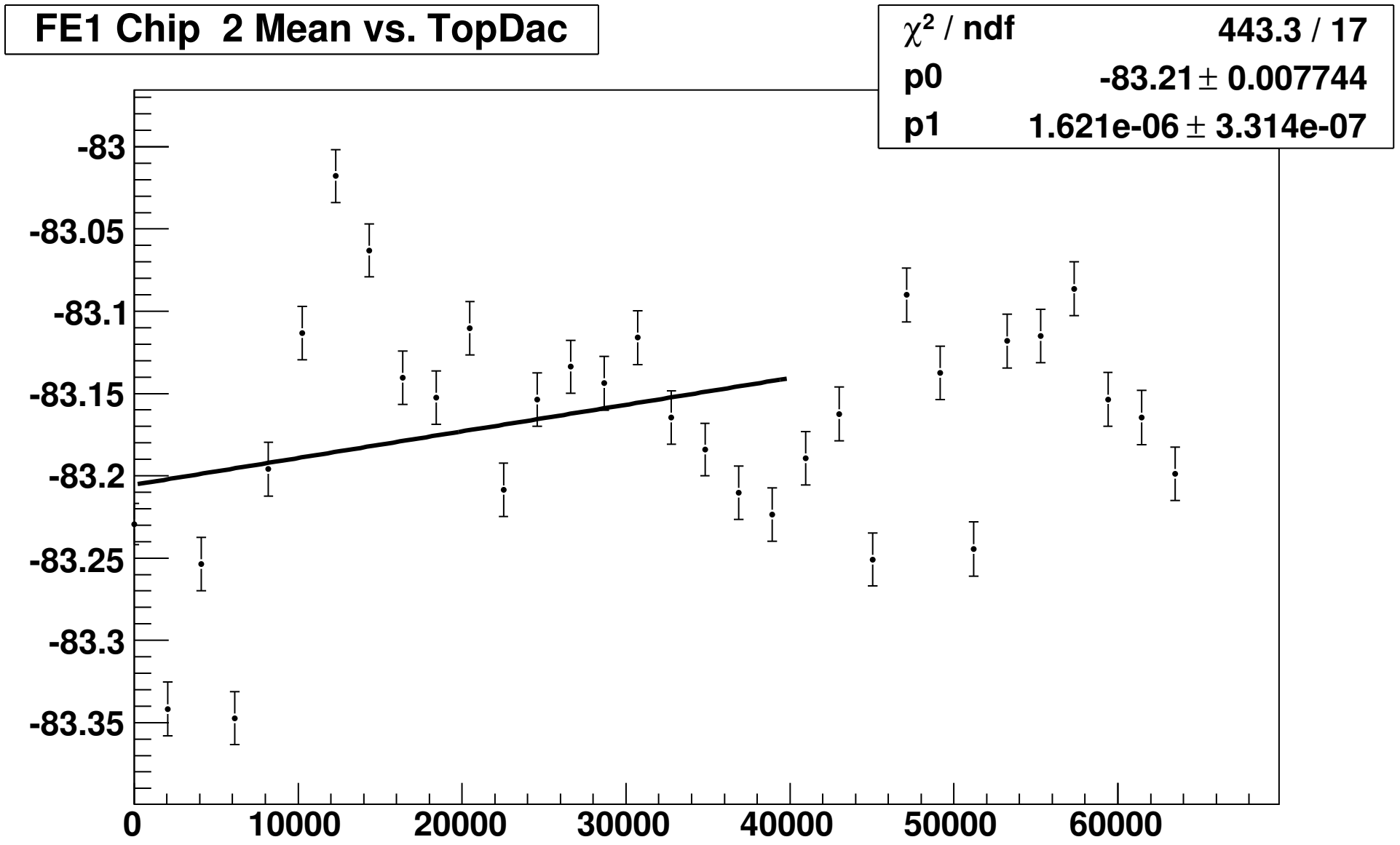

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 391.4 / 17
p0 1.464 ± 0.004321
p1 3.506e-05 ± 3.259e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

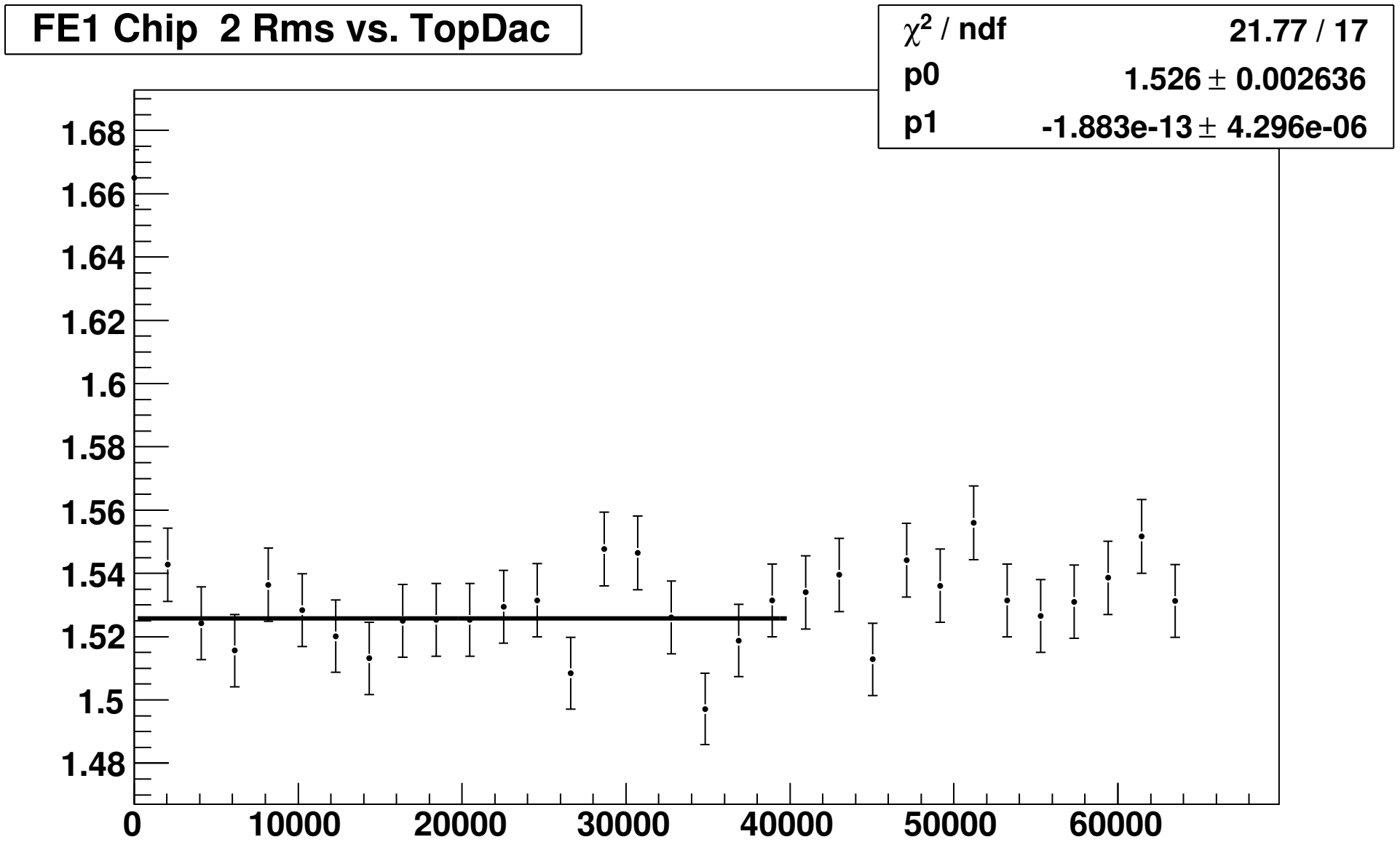

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 297.5 / 17
p0 -90.05 ± 0.007914
p1 1.431e-06 ± 3.389e-07
-89.85
-89.9
-89.95
-90
-90.05
-90.1
-90.15
-90.2
0
10000
20000
30000
40000
50000
60000

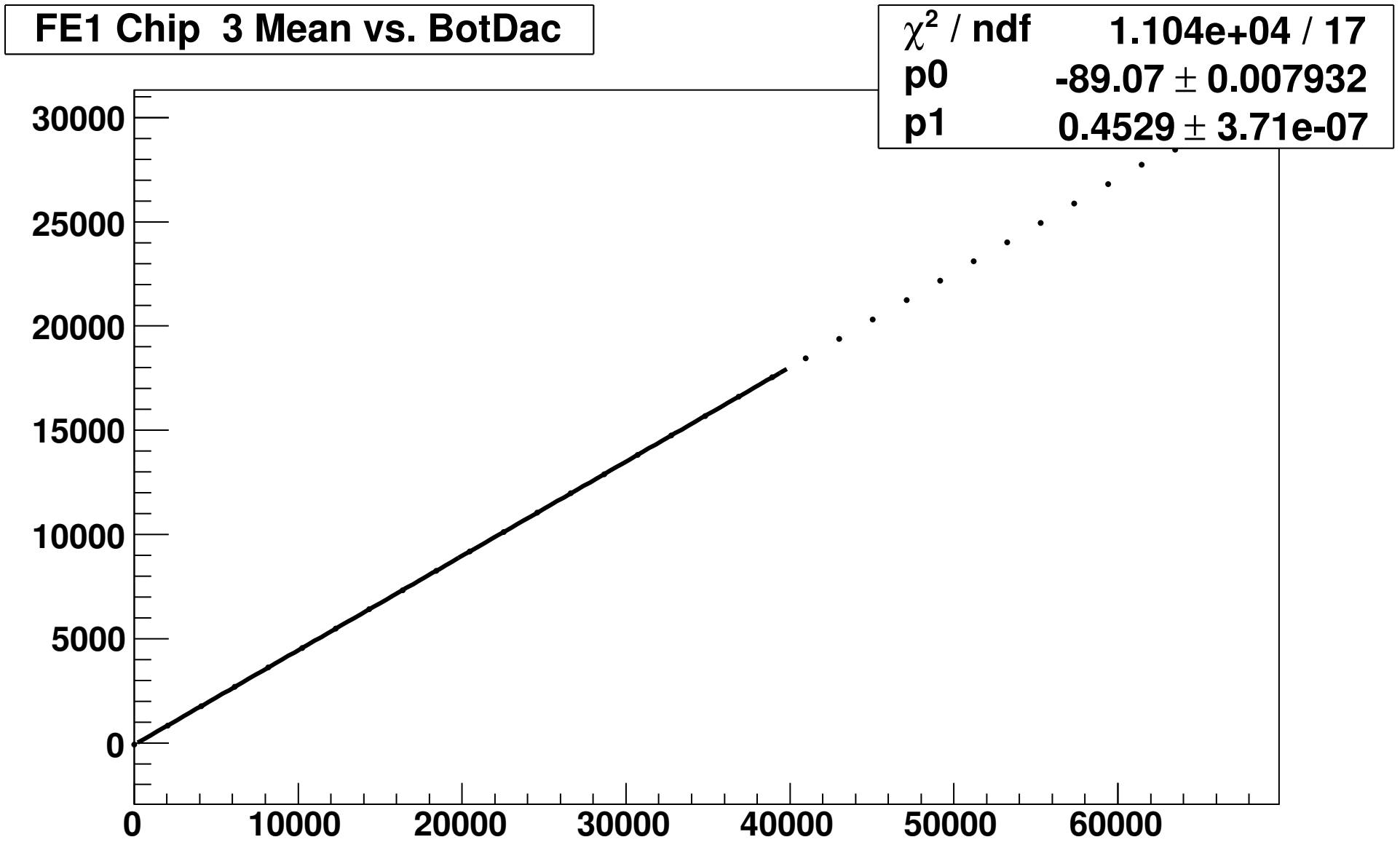

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 24.58 / 17
p0 1.562 ± 0.003188
p1 1.553e-12 ± 6.724e-05
1.8
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000

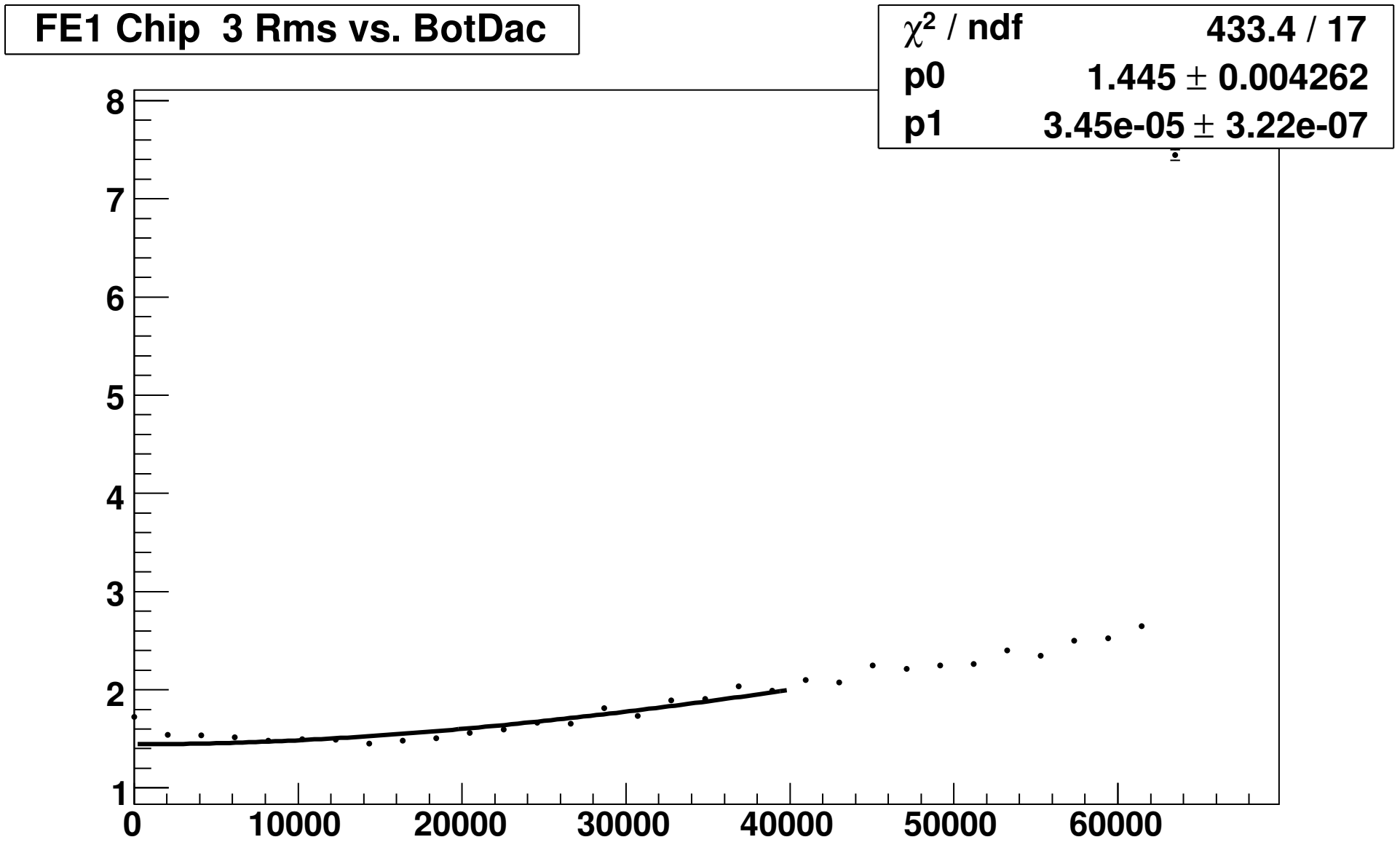

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.699e+04 / 17
p0 -84.82 ± 0.00767
p1 0.4529 ± 3.624e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

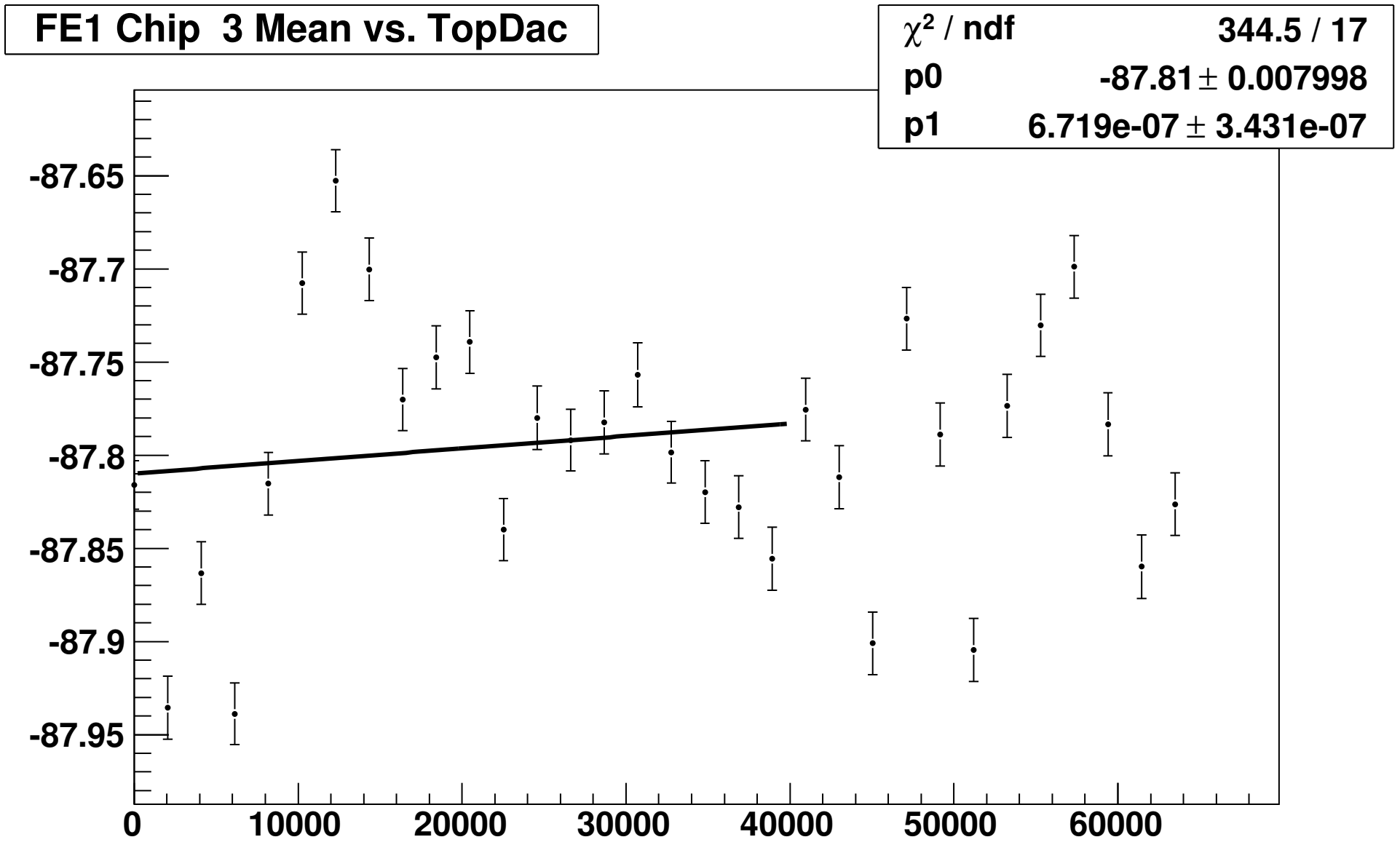

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 353.4 / 17
p0 1.392 ± 0.004152
p1 3.567e-05 ± 3.011e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

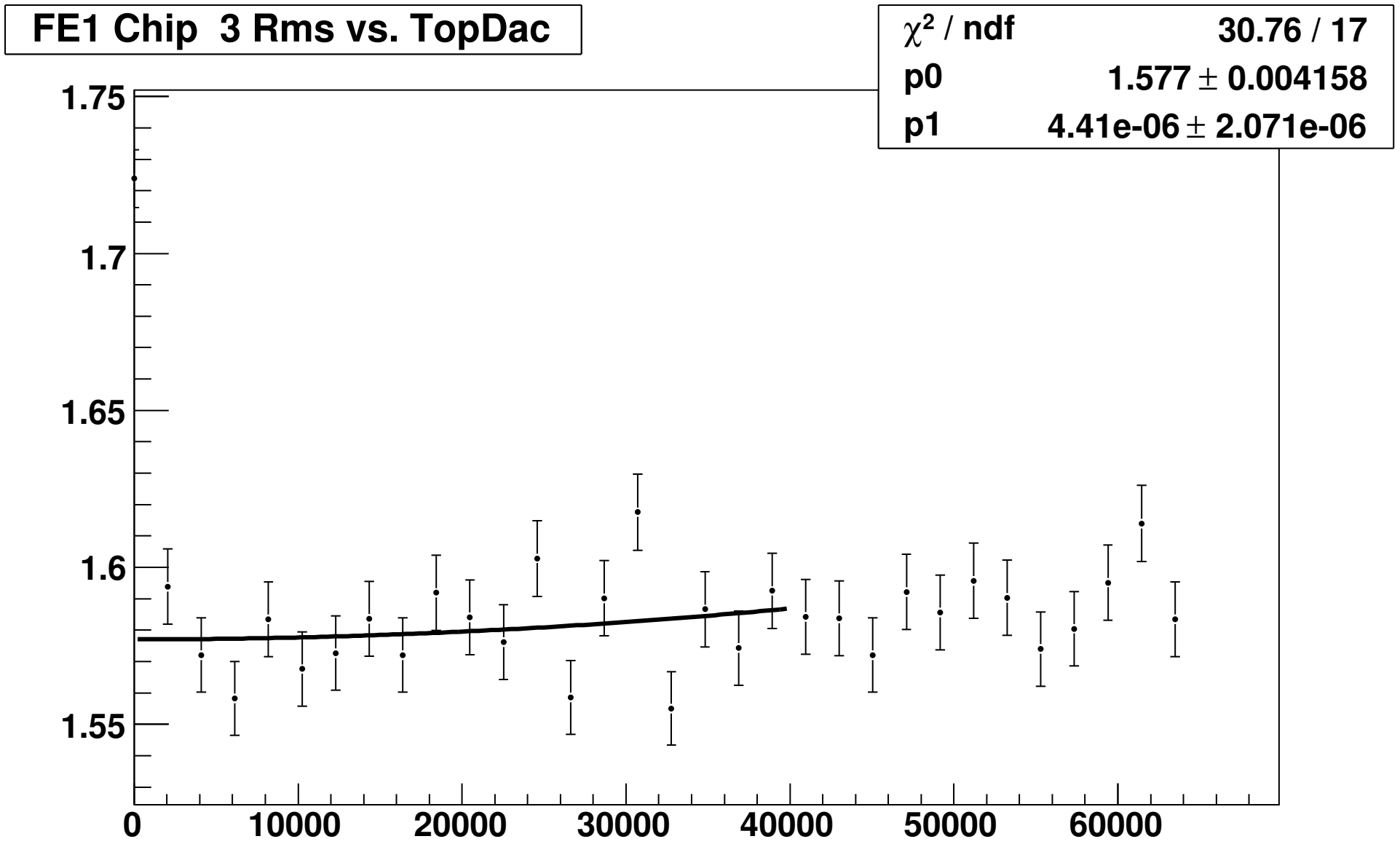

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 443.3 / 17
p0 -83.21 ± 0.007744
p1 1.621e-06 ± 3.314e-07
-83
-83.05
-83.1
-83.15
-83.2
-83.25
-83.3
-83.35
0
10000
20000
30000
40000
50000
60000

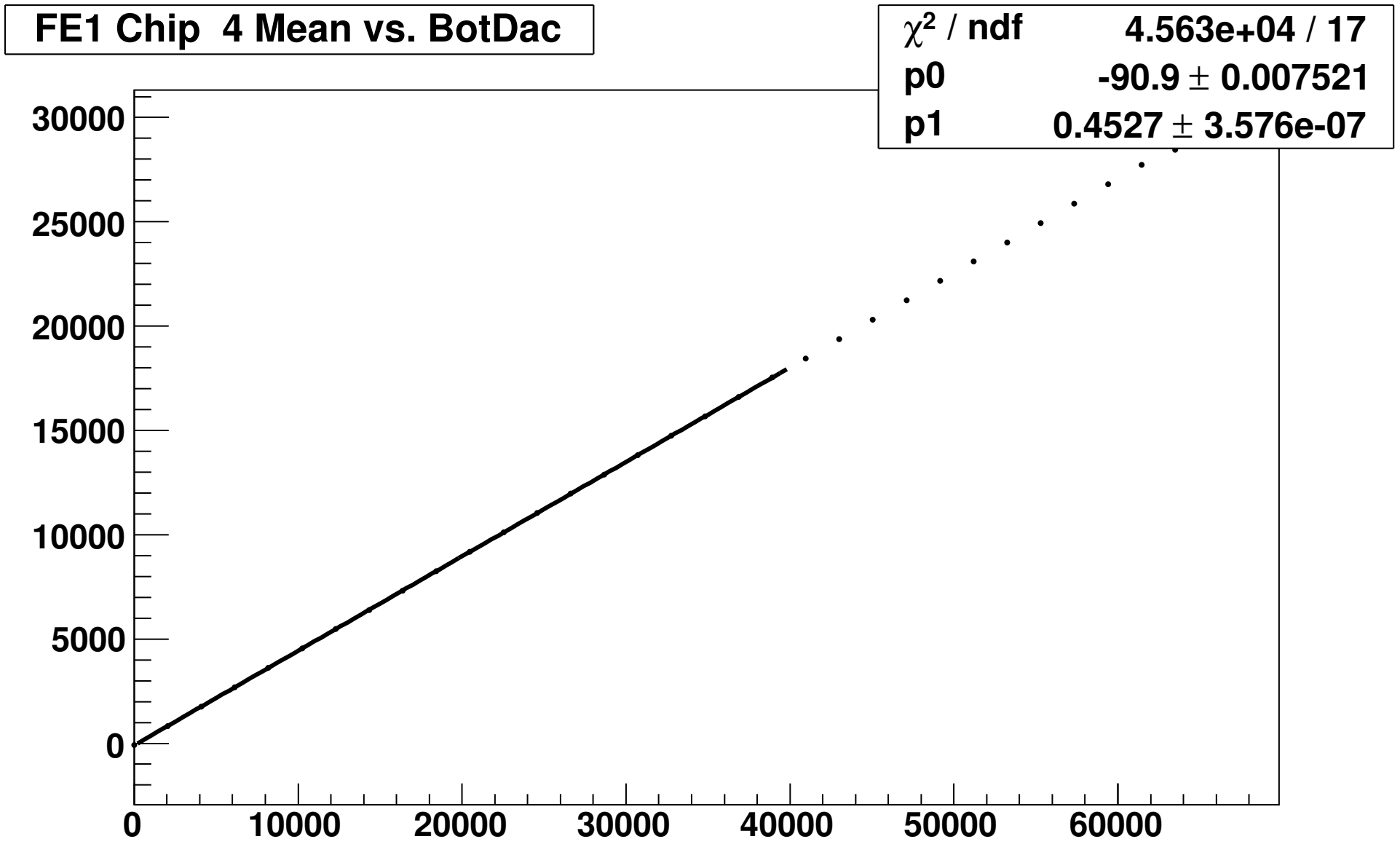

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 21.77 / 17
p0 1.526 ± 0.002636
p1 -1.883e-13 ± 4.296e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

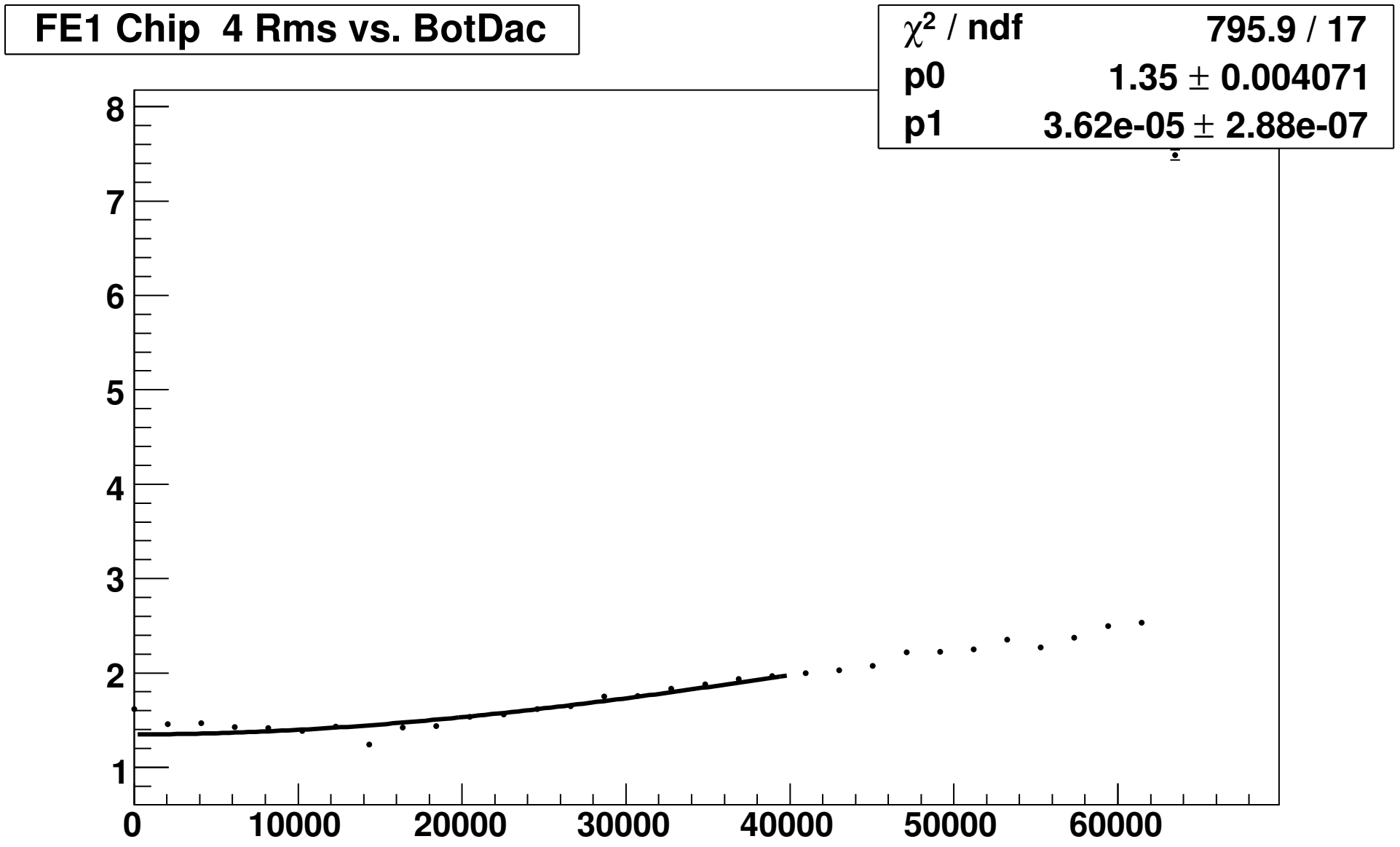

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 1.104e+04 / 17
p0 -89.07 ± 0.007932
p1 0.4529 ± 3.71e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

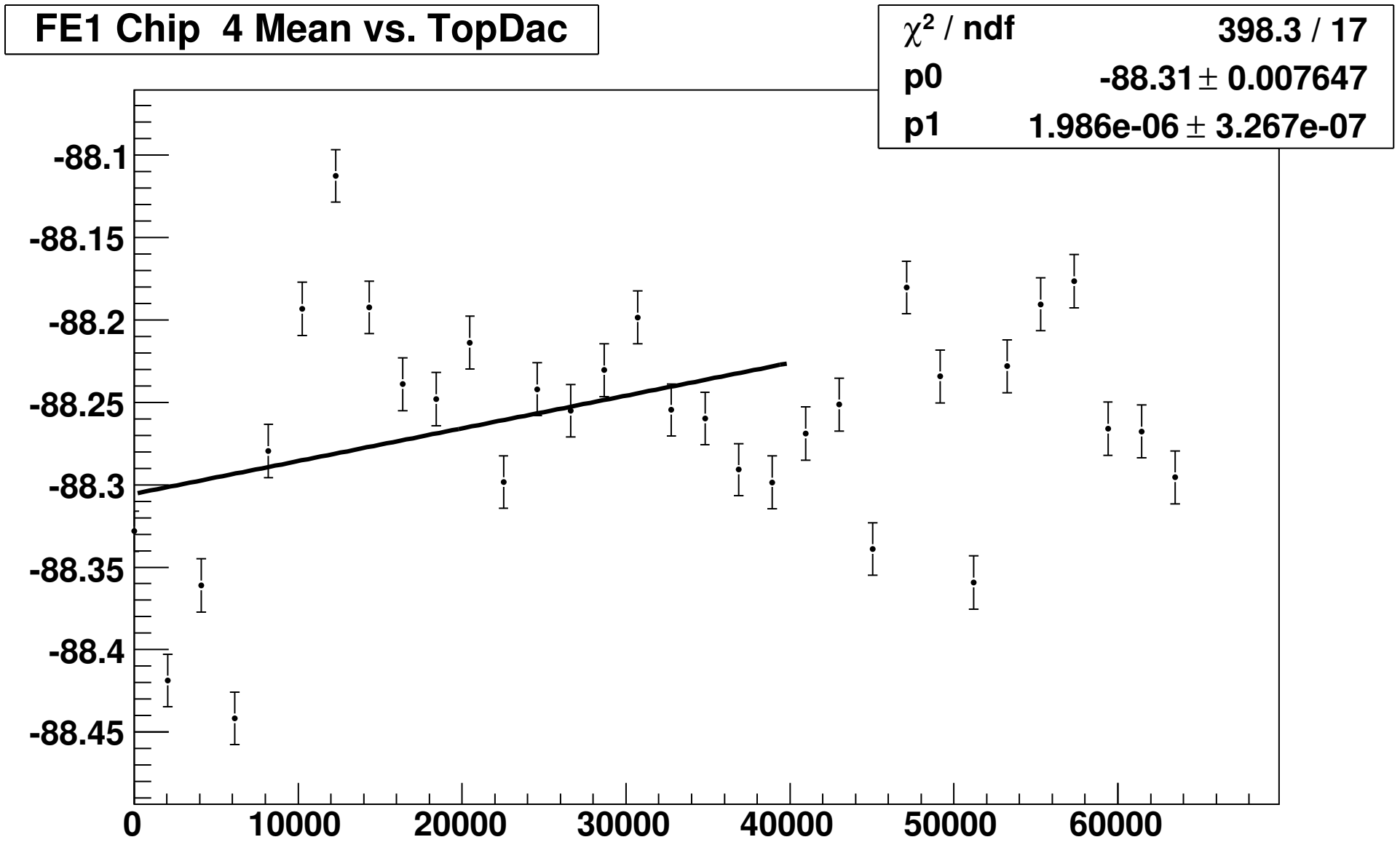

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 433.4 / 17
p0 1.445 ± 0.004262
p1 3.45e-05 ± 3.22e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 344.5 / 17
p0 -87.81 ± 0.007998
p1 6.719e-07 ± 3.431e-07
-87.65
-87.7
-87.75
-87.8
-87.85
-87.9
-87.95
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 30.76 / 17
p0 1.577 ± 0.004158
p1 4.41e-06 ± 2.071e-06
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 4.563e+04 / 17
p0 -90.9 ± 0.007521
p1 0.4527 ± 3.576e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 795.9 / 17
p0 1.35 ± 0.004071
p1 3.62e-05 ± 2.88e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 398.3 / 17
p0 -88.31 ± 0.007647
p1 1.986e-06 ± 3.267e-07
-88.1
-88.15
-88.2
-88.25
-88.3
-88.35
-88.4
-88.45
0
10000
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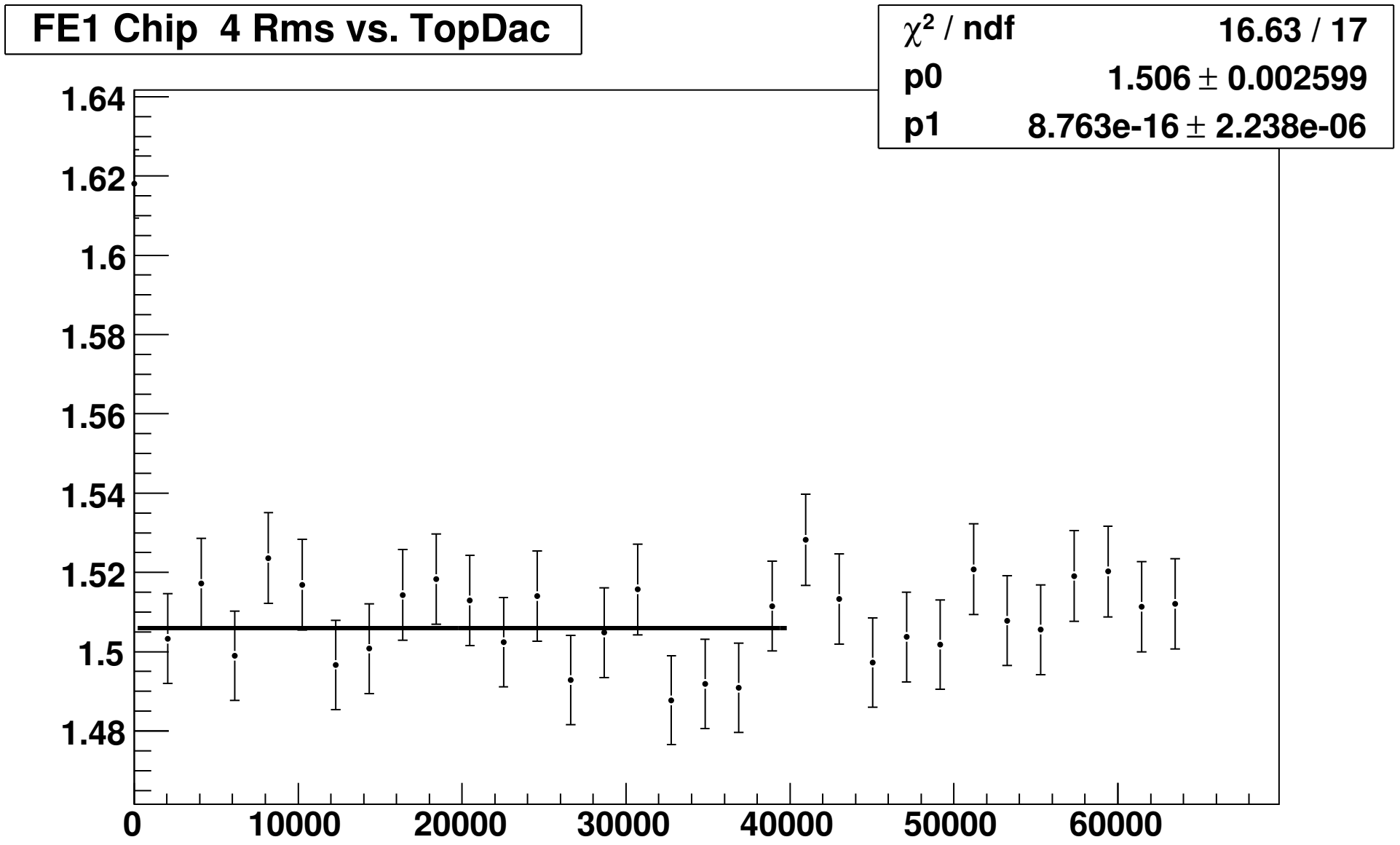
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 16.63 / 17
p0 1.506 ± 0.002599
p1 8.763e-16 ± 2.238e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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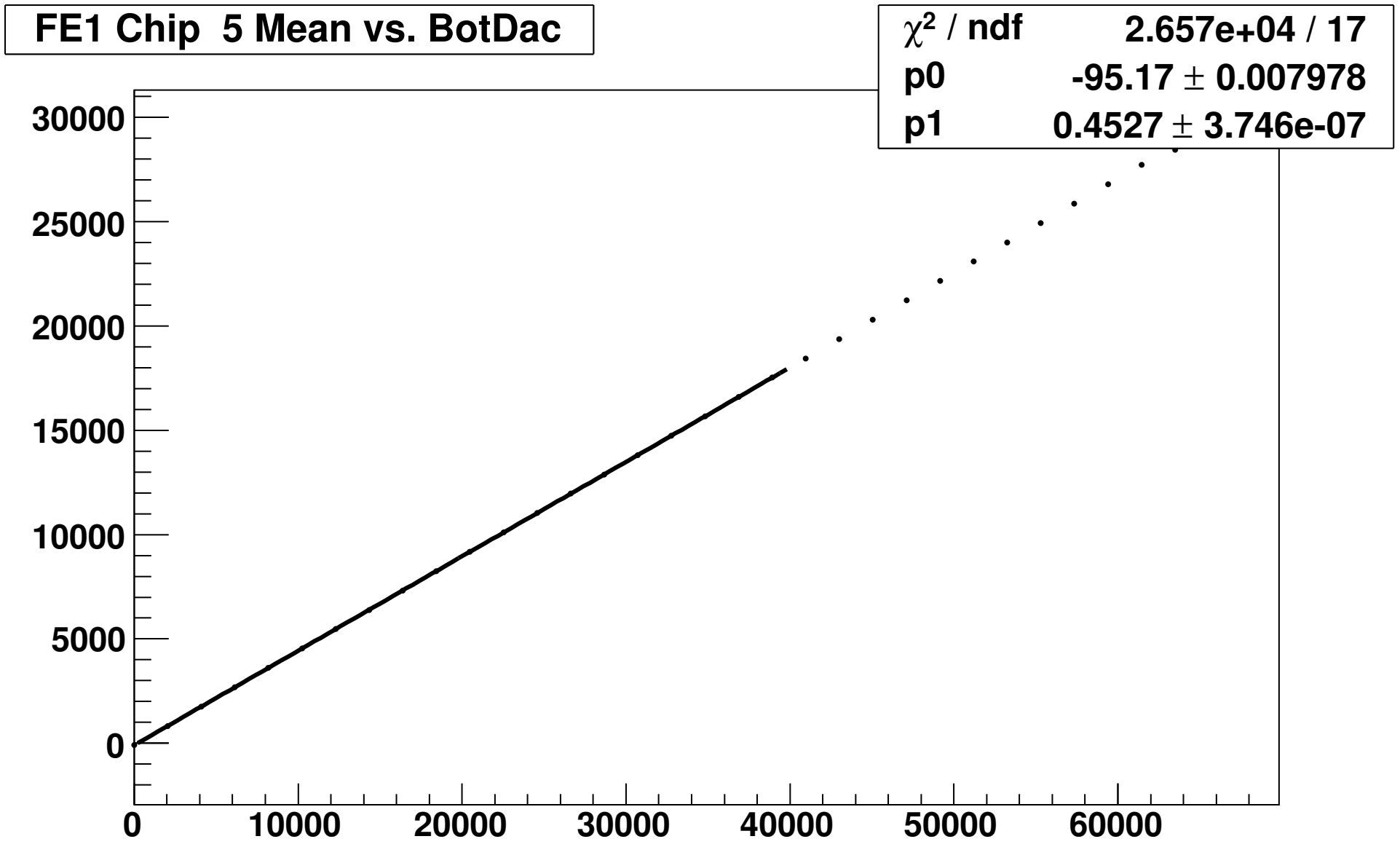
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 2.657e+04 / 17
p0 -95.17 ± 0.007978
p1 0.4527 ± 3.746e-07
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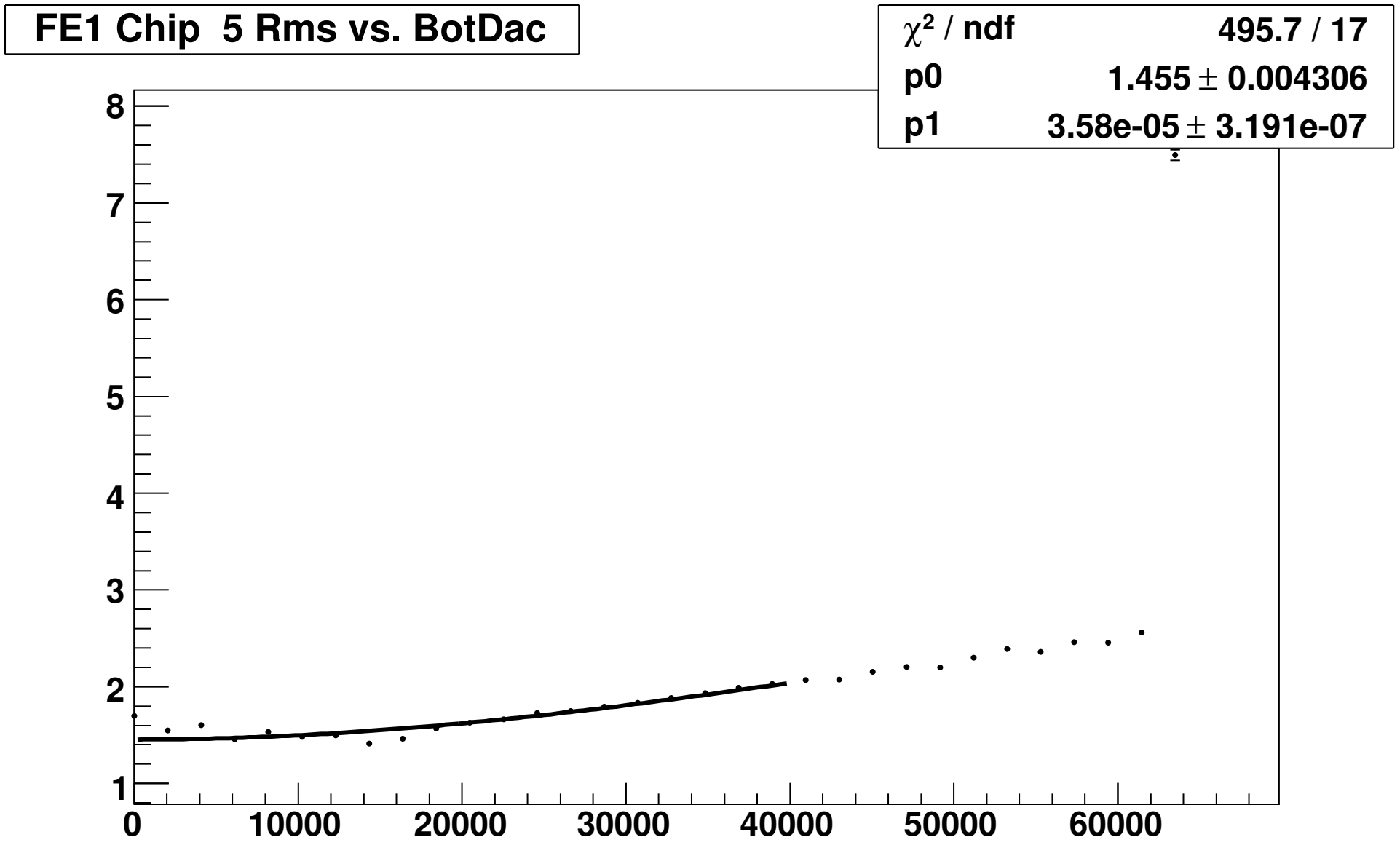
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 495.7 / 17
p0 1.455 ± 0.004306
p1 3.58e-05 ± 3.191e-07
8
7
6
5
4
3
2
1
0
10000
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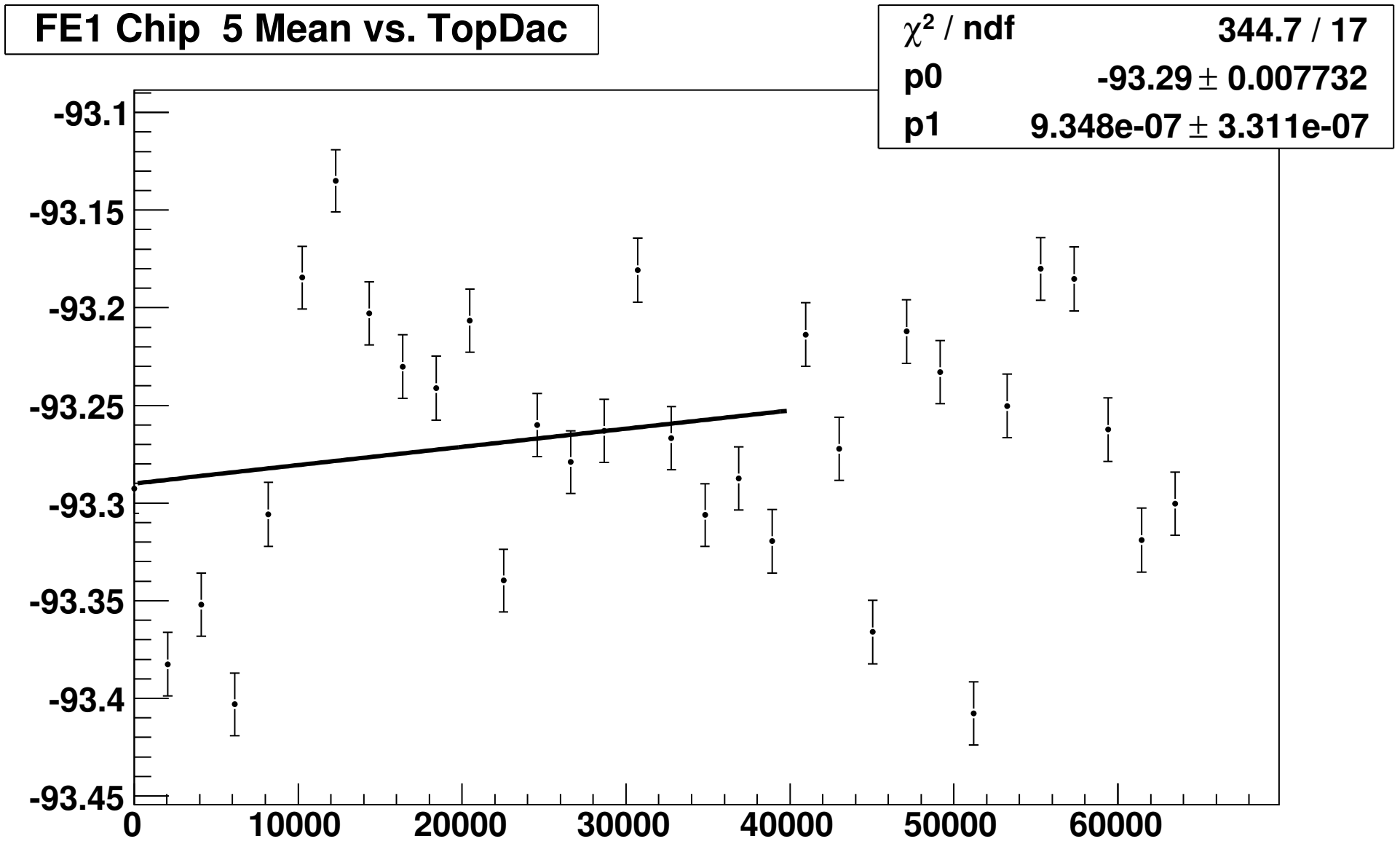
60000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 344.7 / 17
p0 -93.29 ± 0.007732
p1 9.348e-07 ± 3.311e-07
-93.1
-93.15
-93.2
-93.25
-93.3
-93.35
-93.4
-93.45
0
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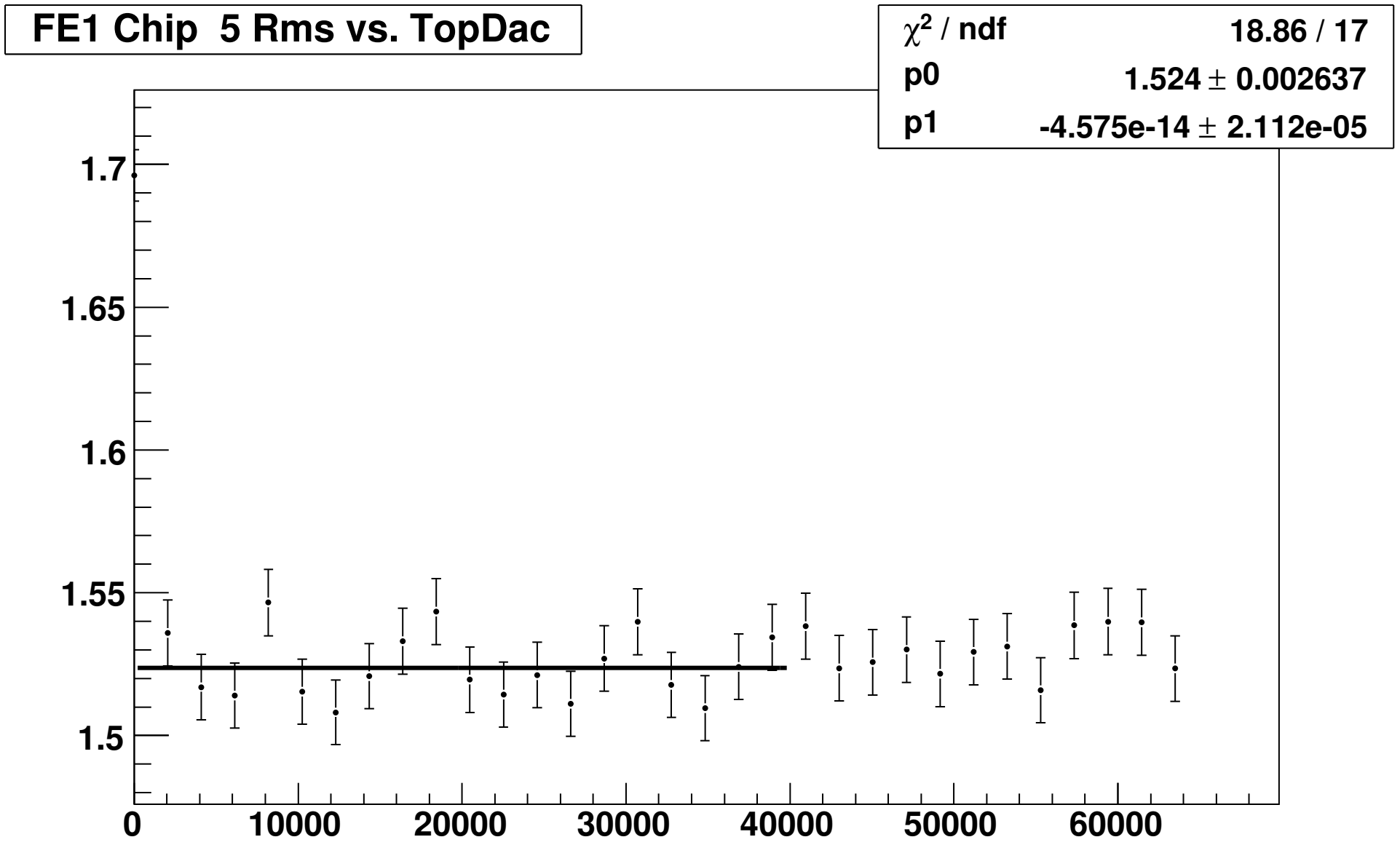
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 18.86 / 17
p0 1.524 ± 0.002637
p1 -4.575e-14 ± 2.112e-05
1.7
1.65
1.6
1.55
1.5
0
10000
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30000
40000
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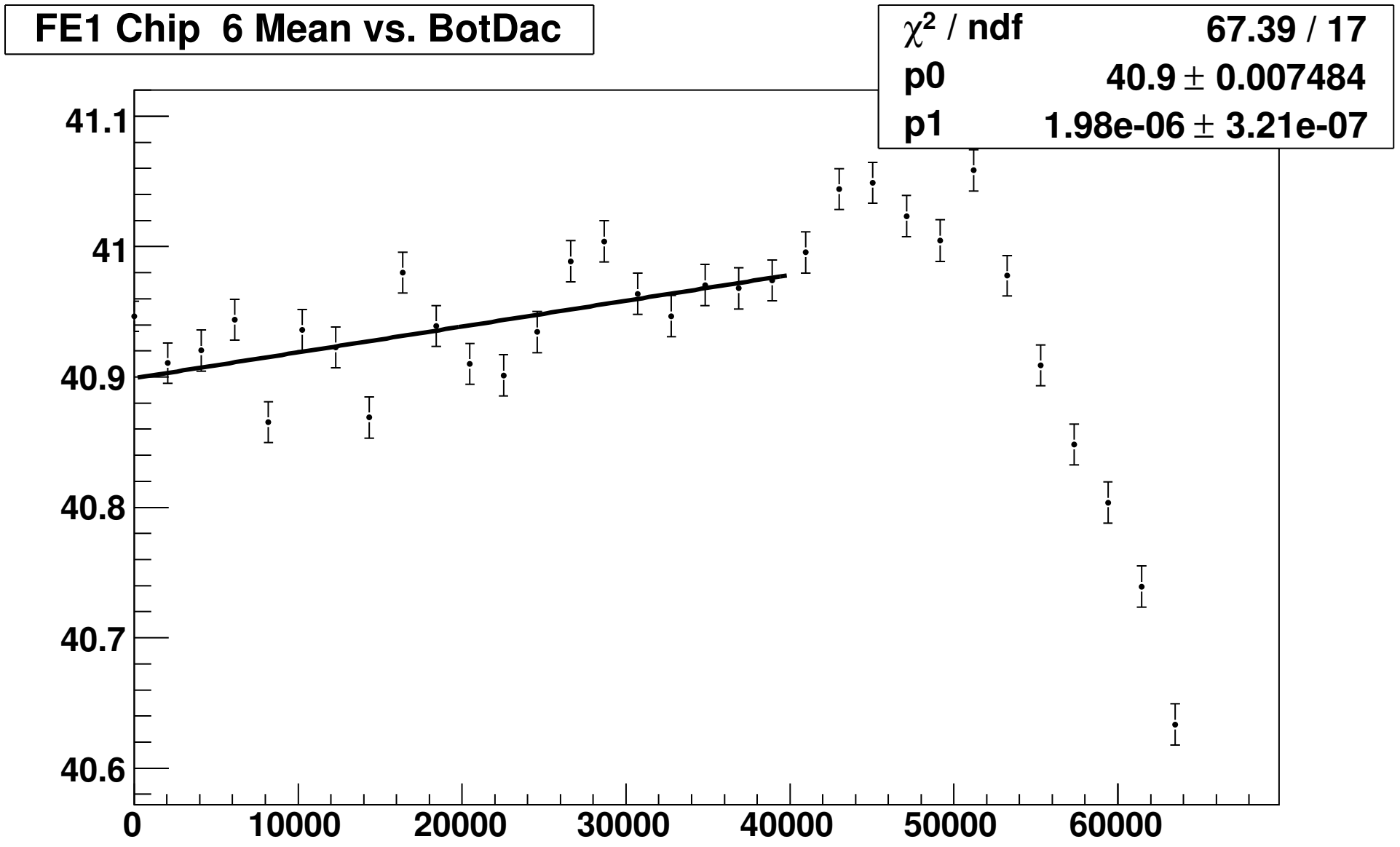
60000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 67.39 / 17
p0 40.9 ± 0.007484
p1 1.98e-06 ± 3.21e-07
41.1
41
40.9
40.8
40.7
40.6
0
10000
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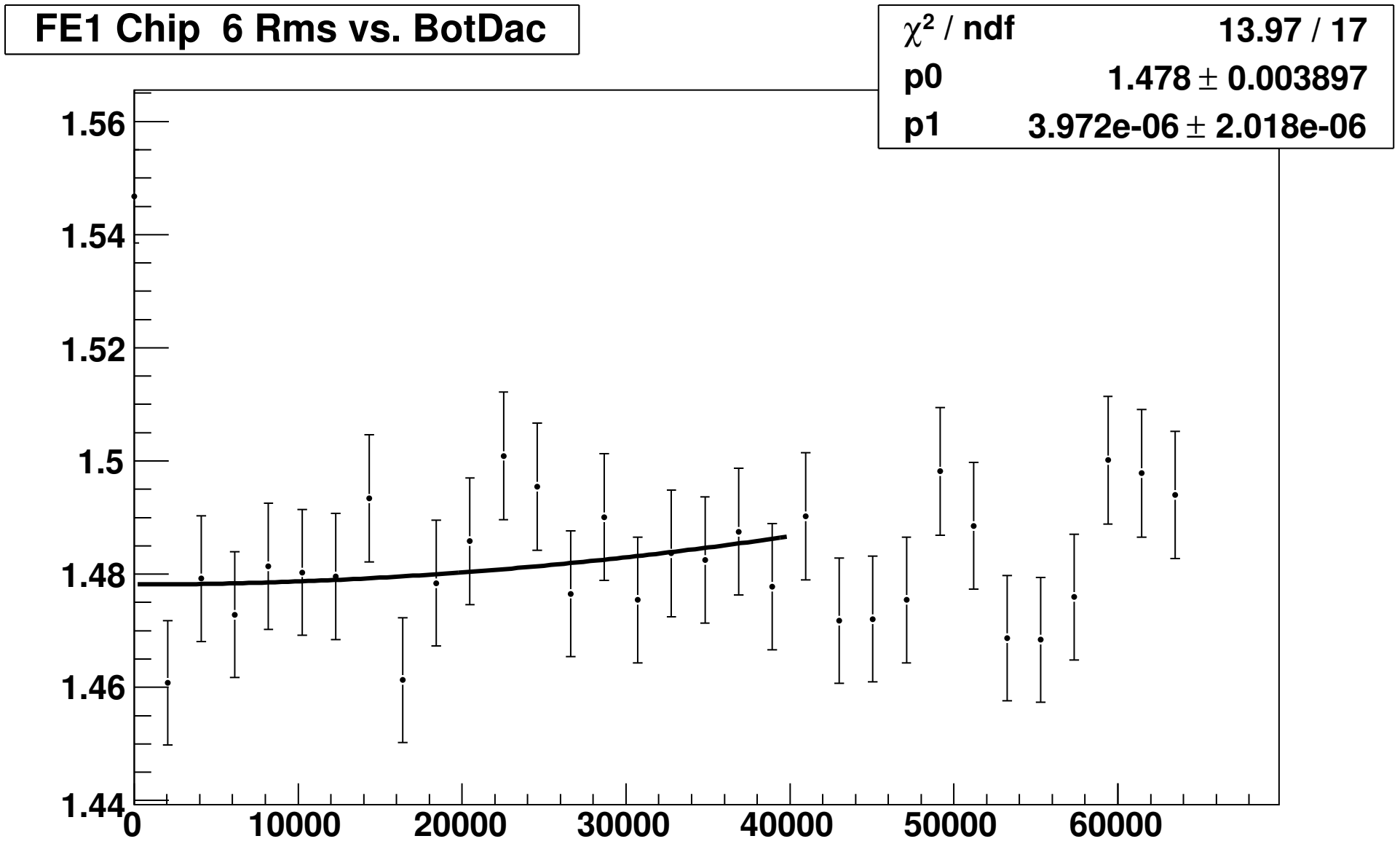
30000
40000
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 13.97 / 17
p0 1.478 ± 0.003897
p1 3.972e-06 ± 2.018e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
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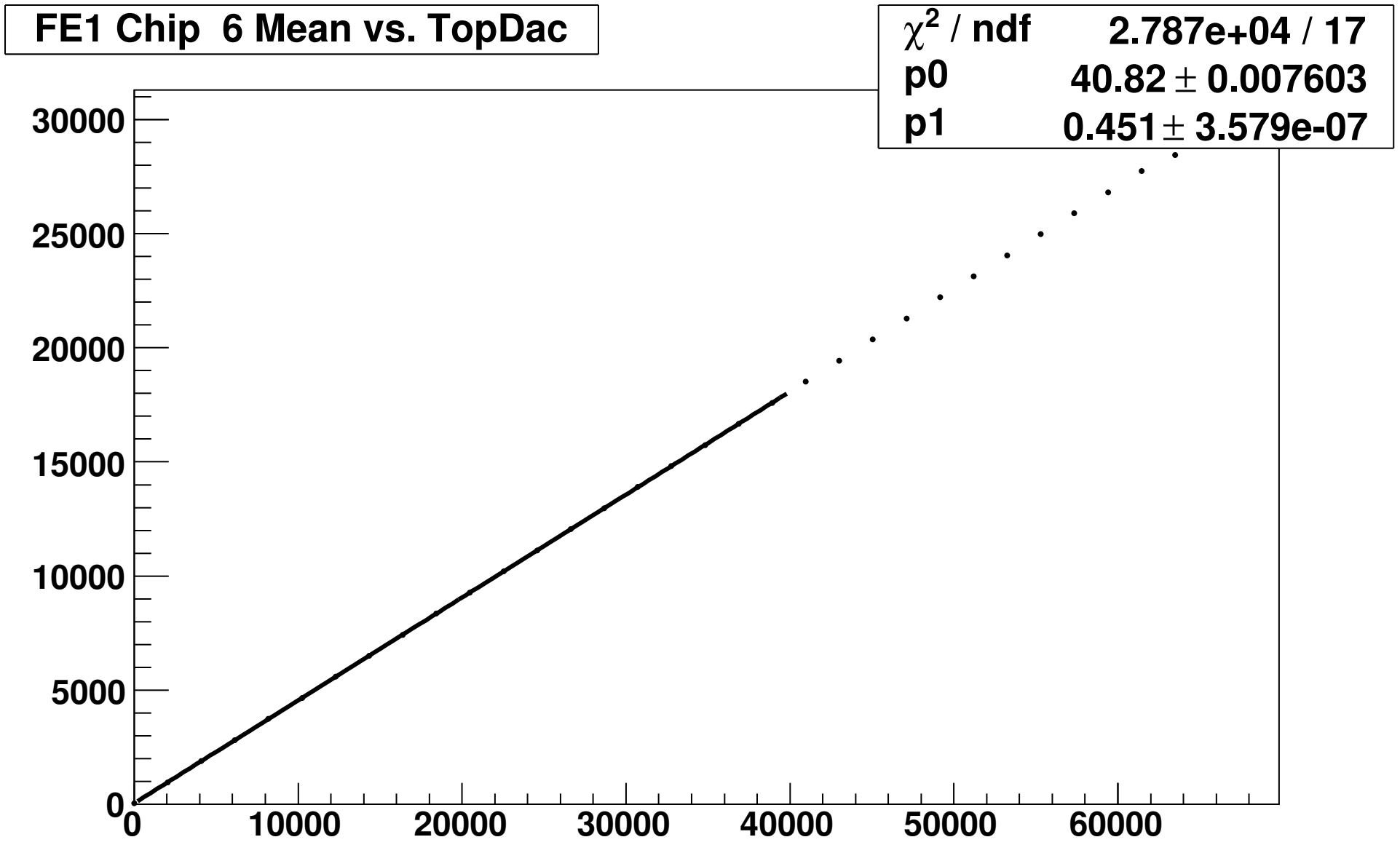
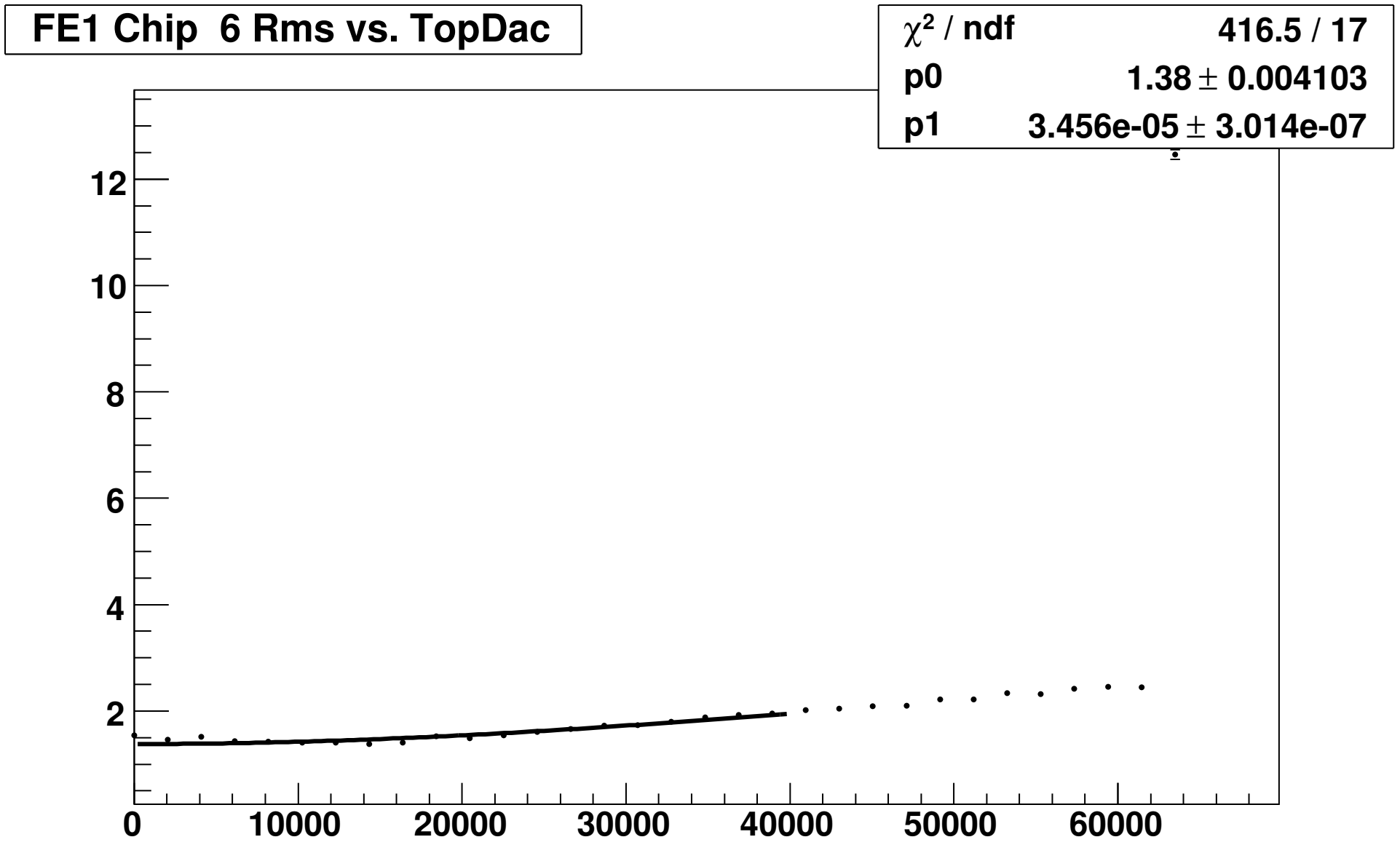
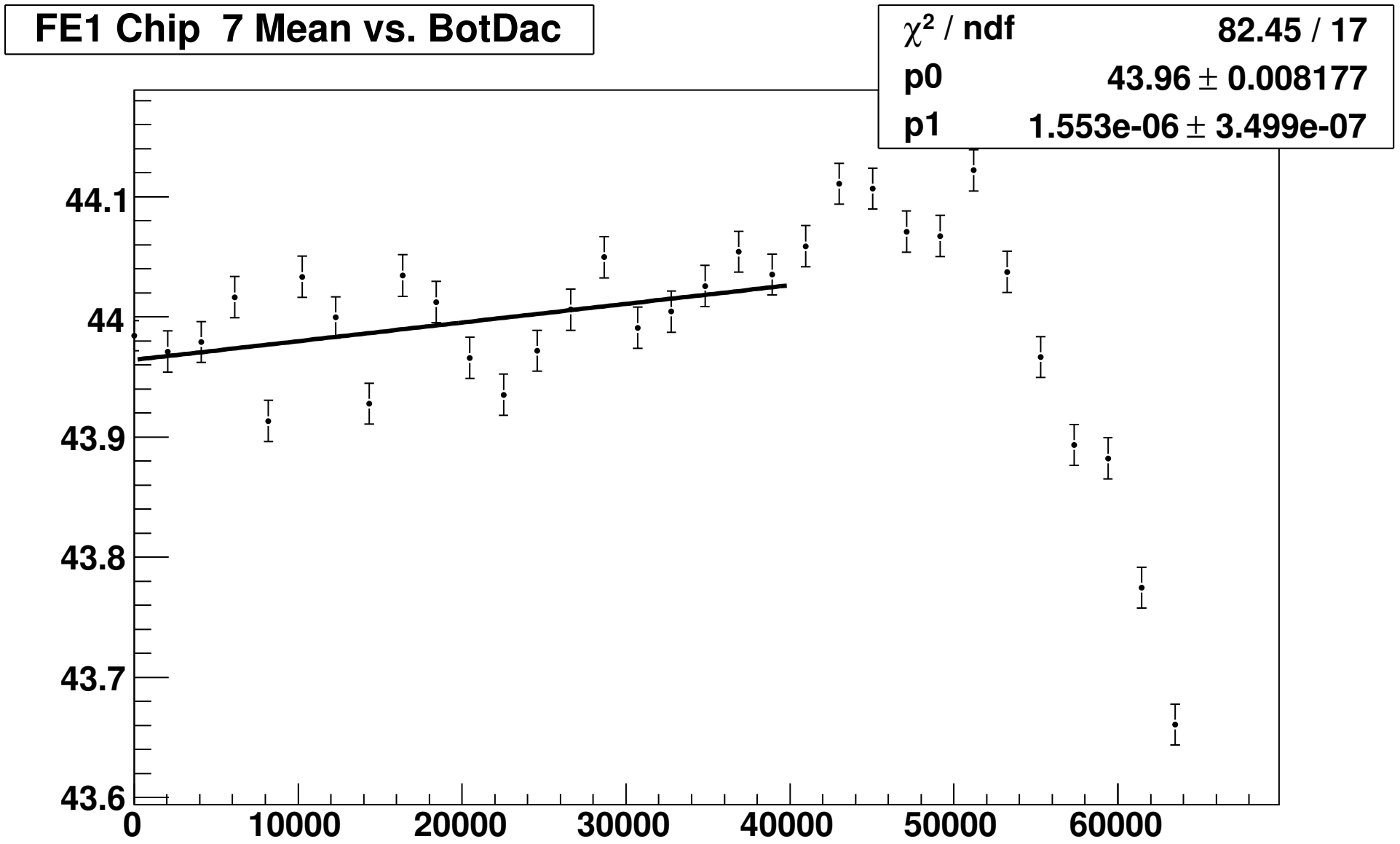
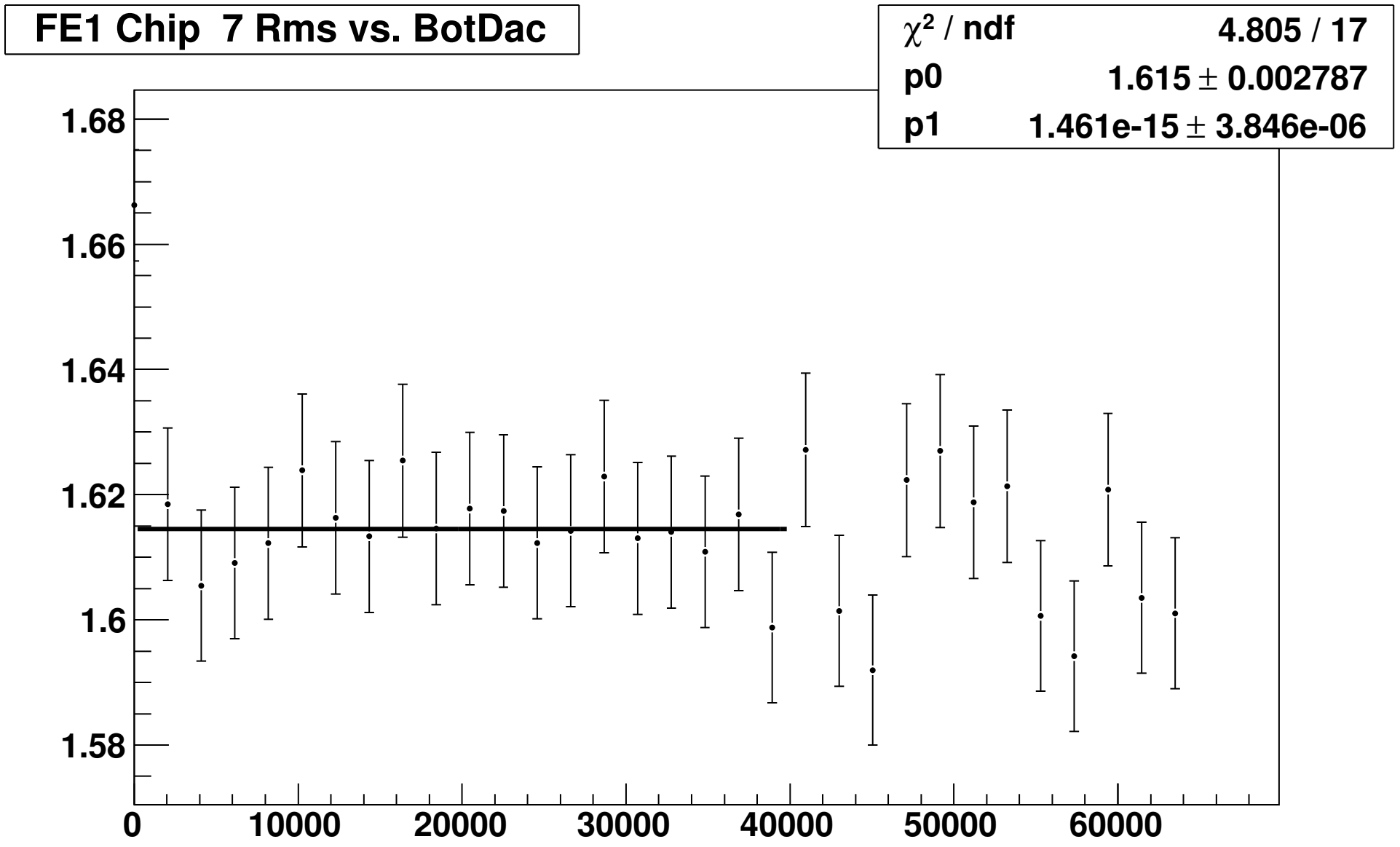
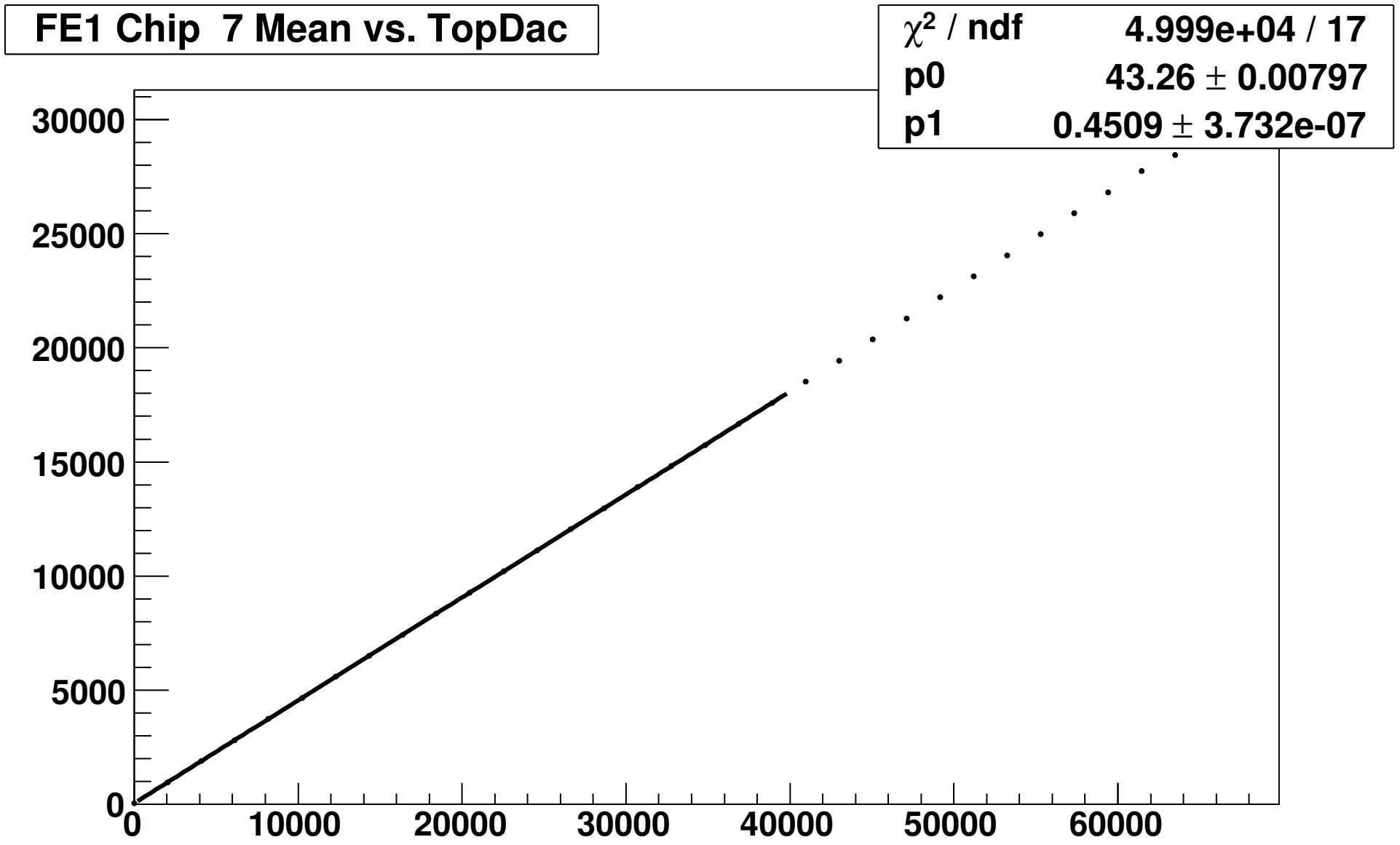

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 2.787e+04 / 17
p0 40.82 ± 0.007603
p1 0.451 ± 3.579e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 416.5 / 17
p0 1.38 ± 0.004103
p1 3.456e-05 ± 3.014e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 82.45 / 17
p0 43.96 ± 0.008177
p1 1.553e-06 ± 3.499e-07
44.1
44
43.9
43.8
43.7
43.6
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 4.805 / 17
p0 1.615 ± 0.002787
p1 1.461e-15 ± 3.846e-06
1.68
1.66
1.64
1.62
1.6
1.58
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 4.999e+04 / 17
p0 43.26 ± 0.00797
p1 0.4509 ± 3.732e-07
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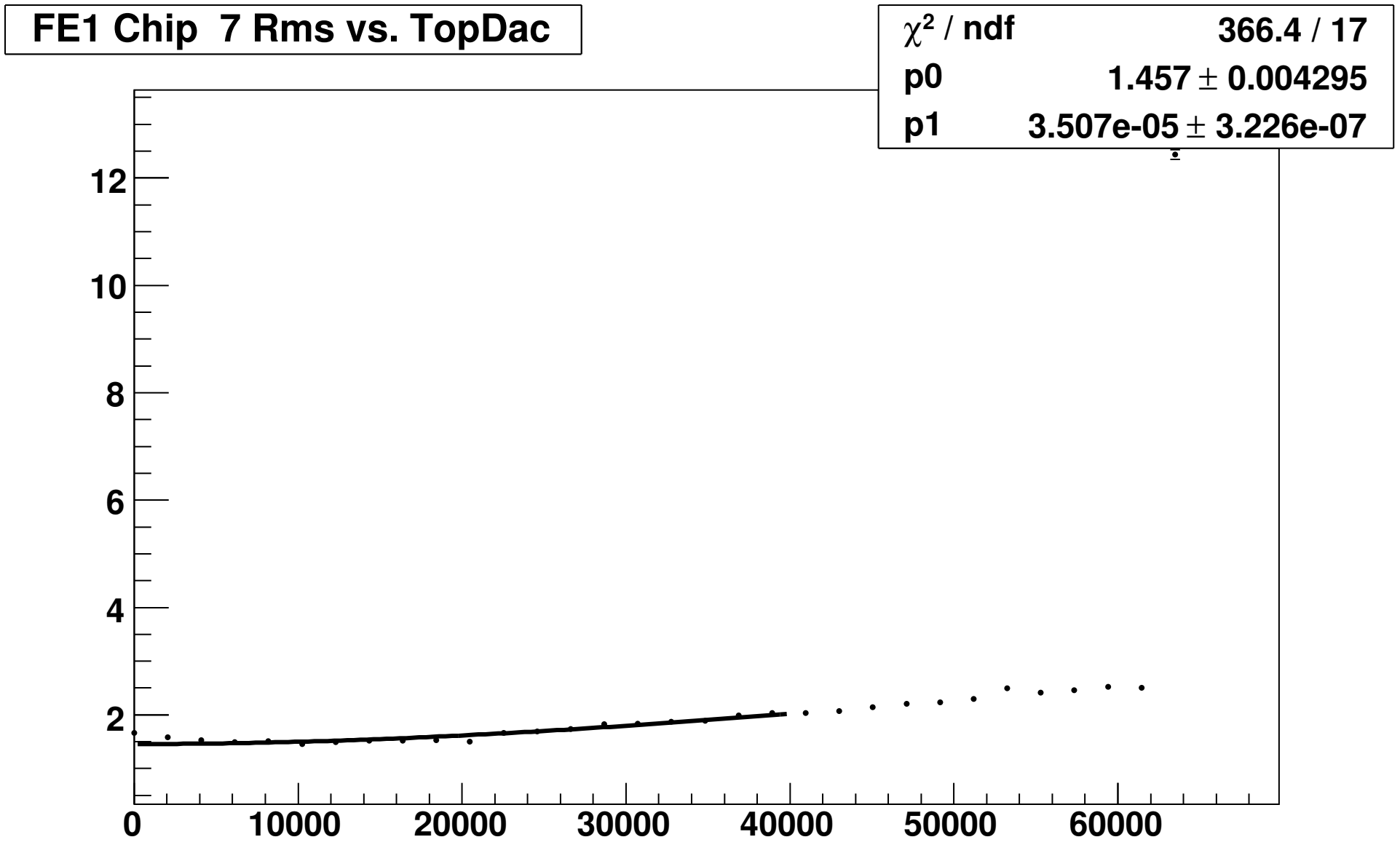
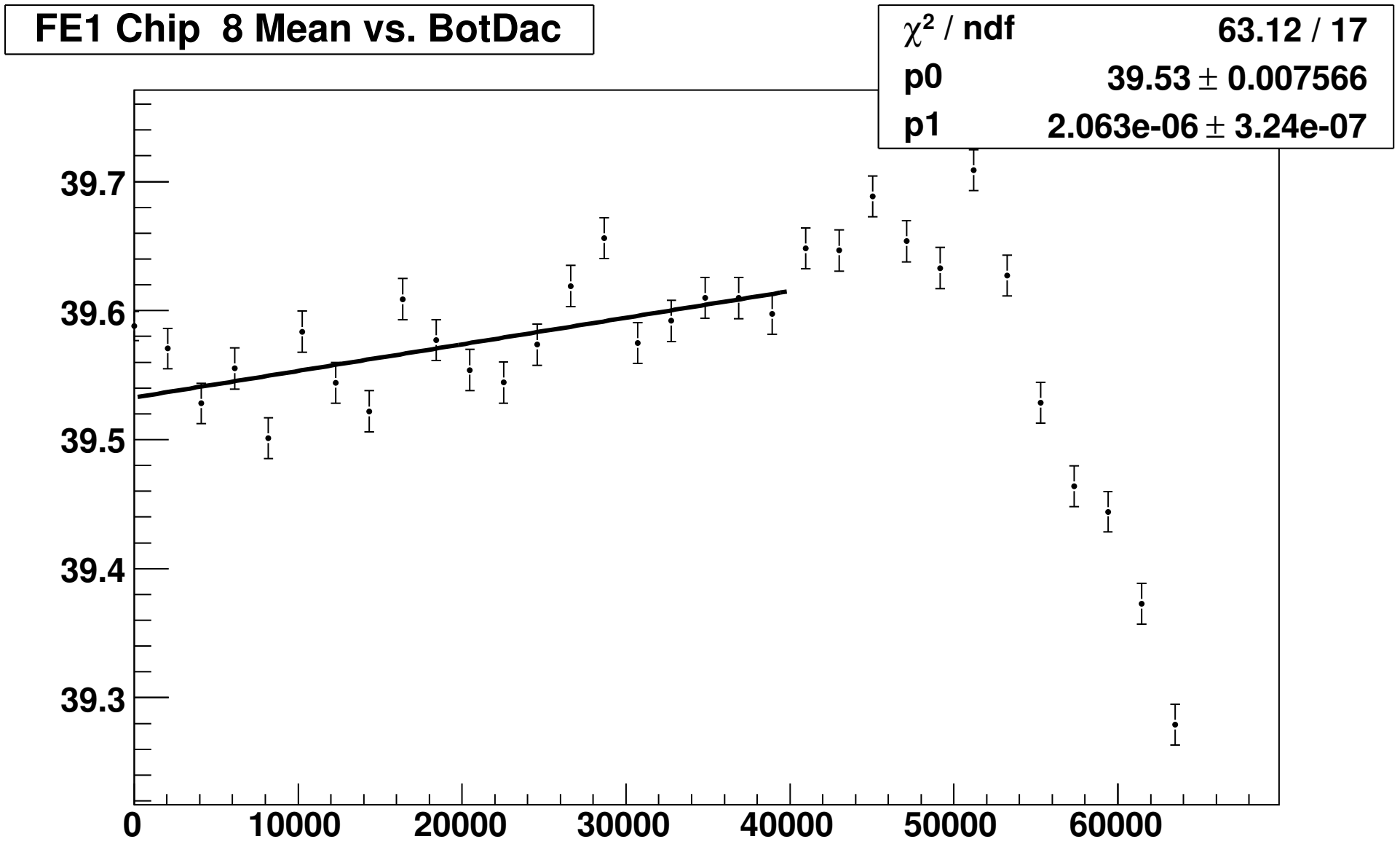
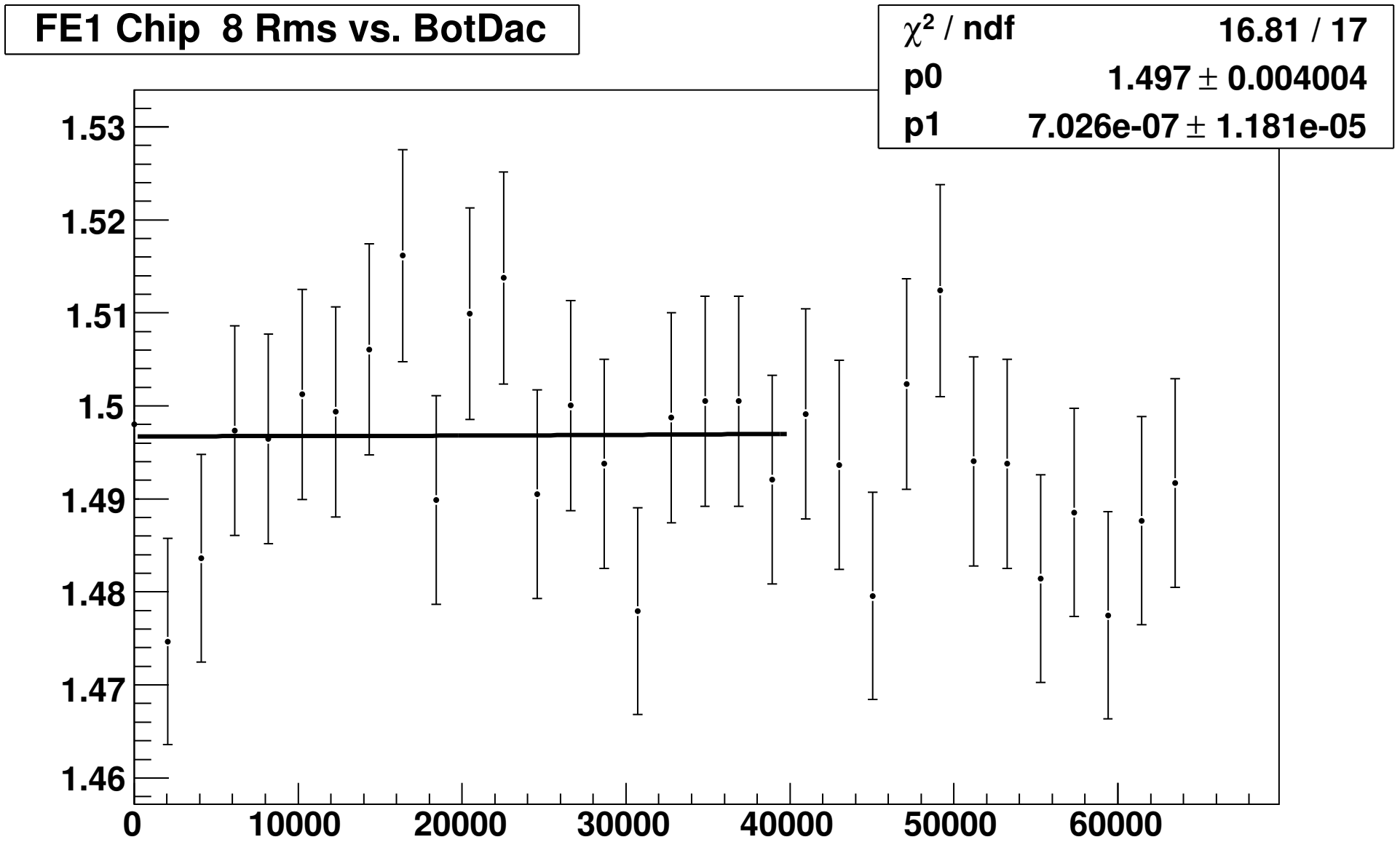
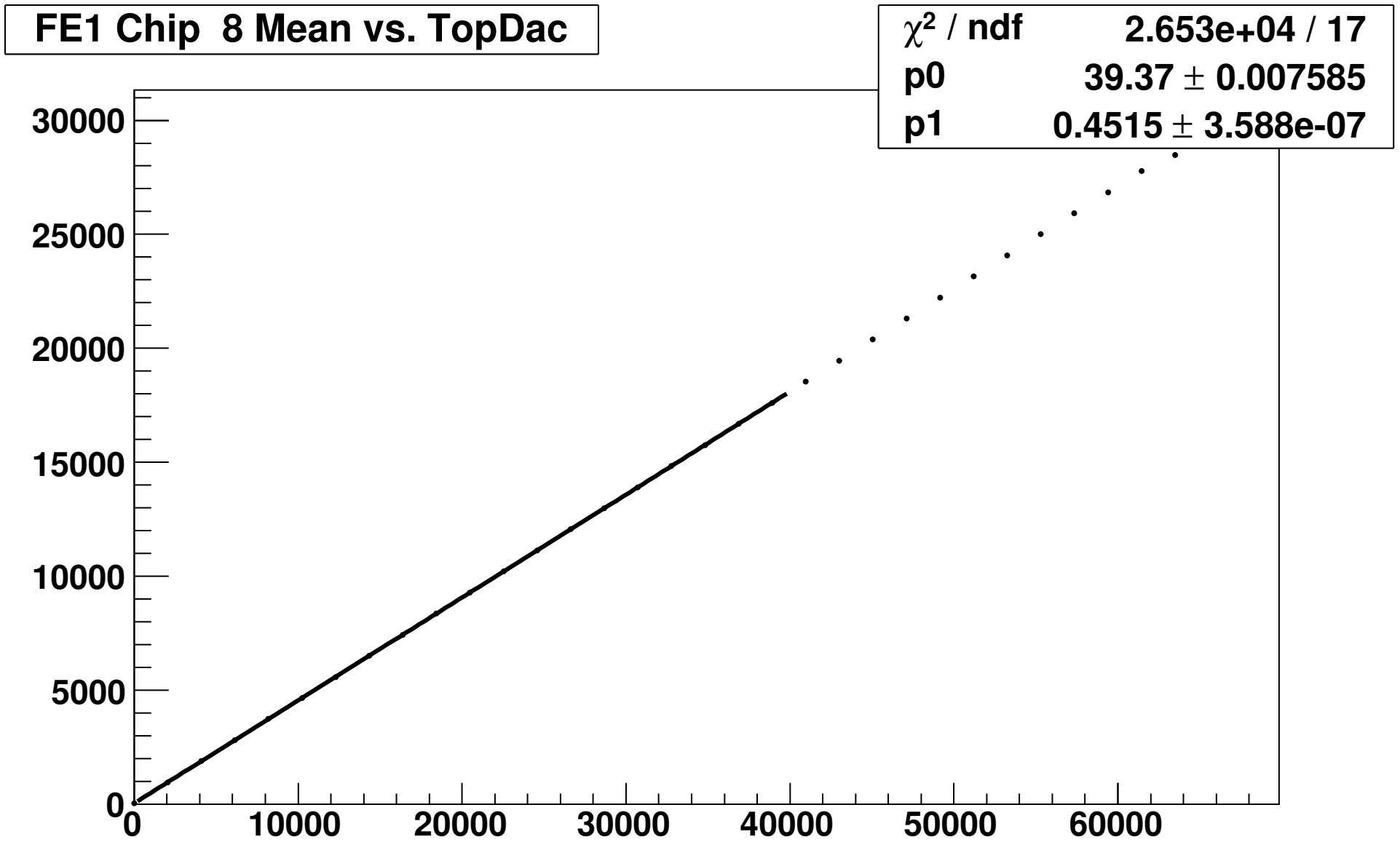
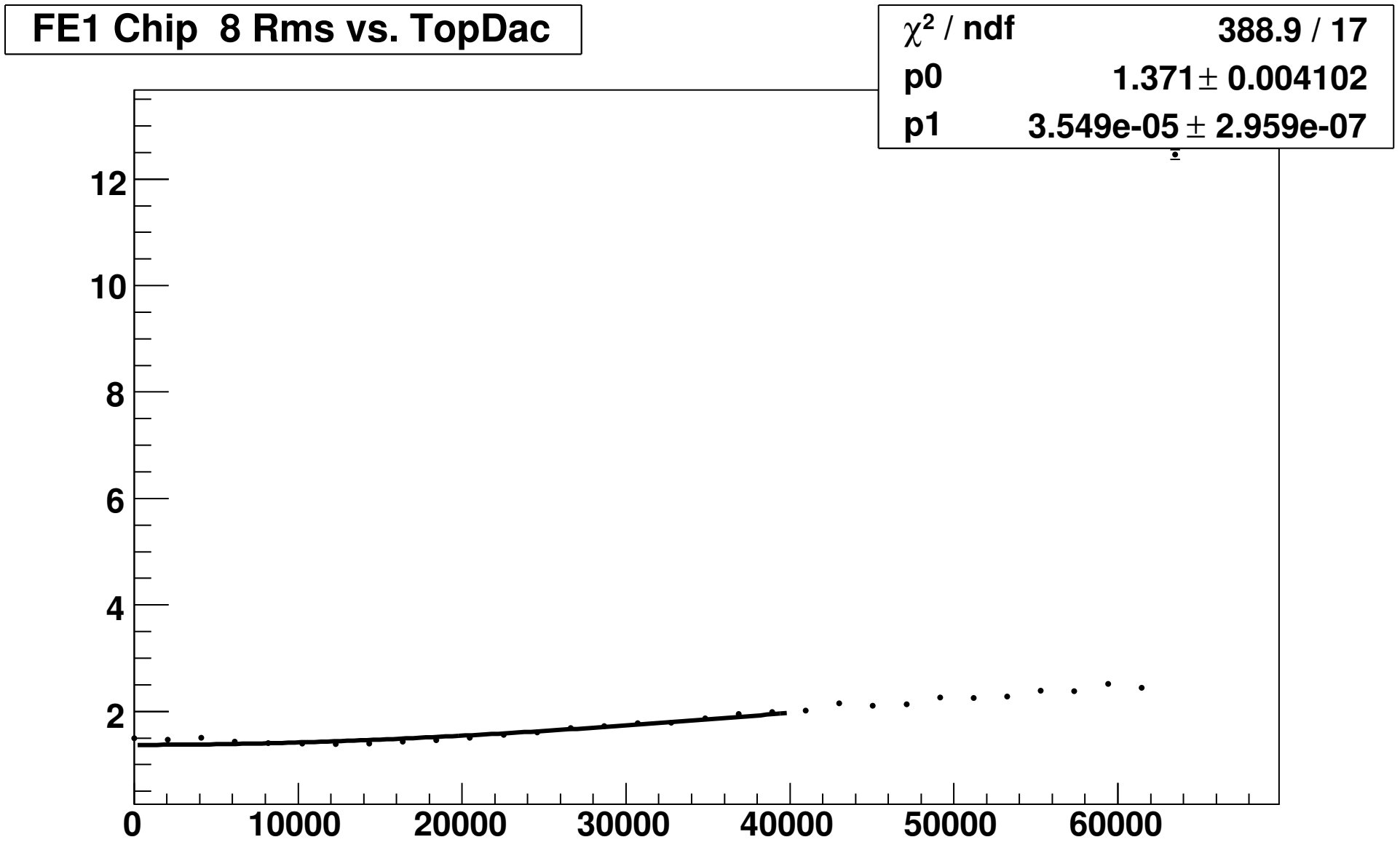
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

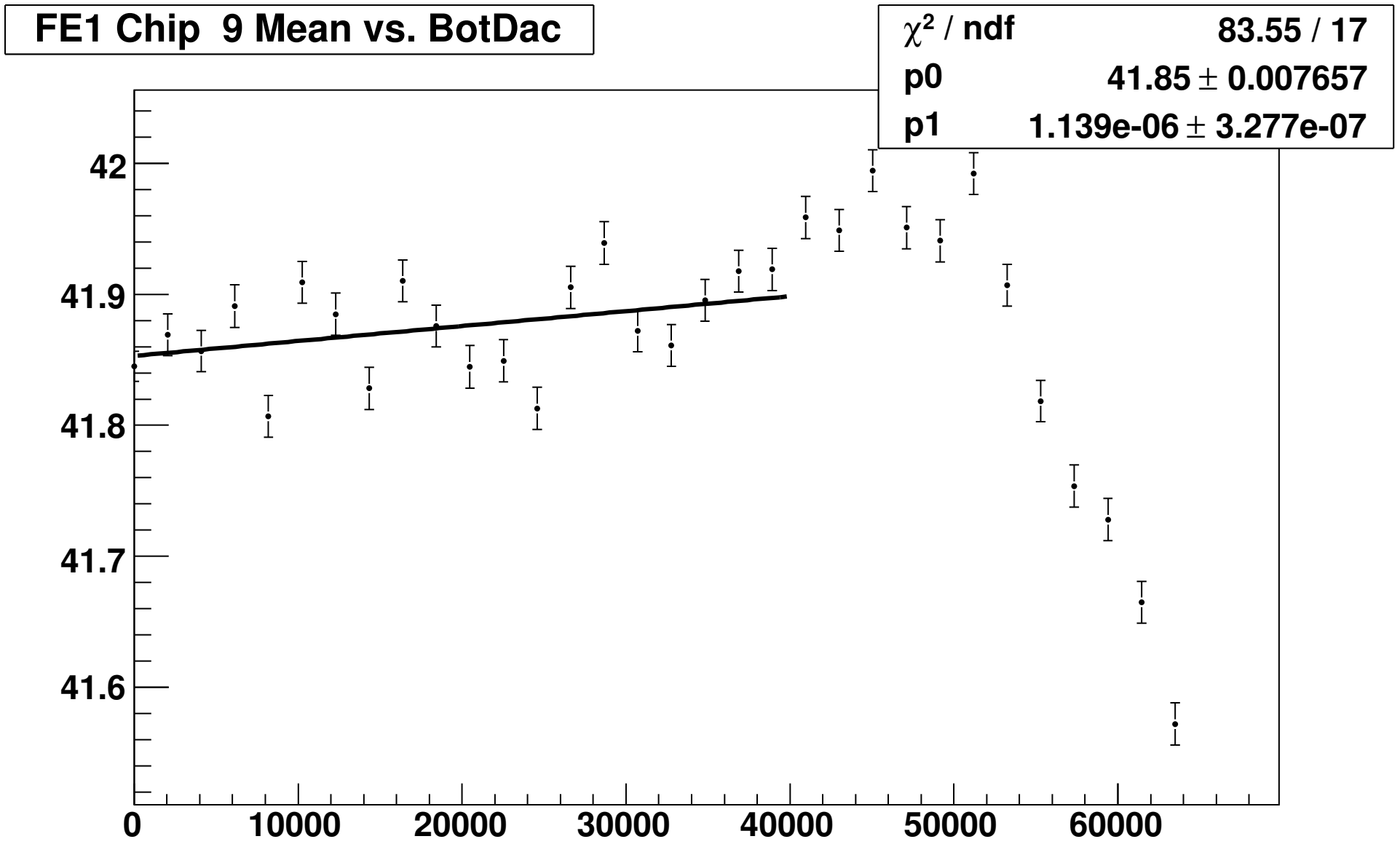

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 366.4 / 17
p0 1.457 ± 0.004295
p1 3.507e-05 ± 3.226e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

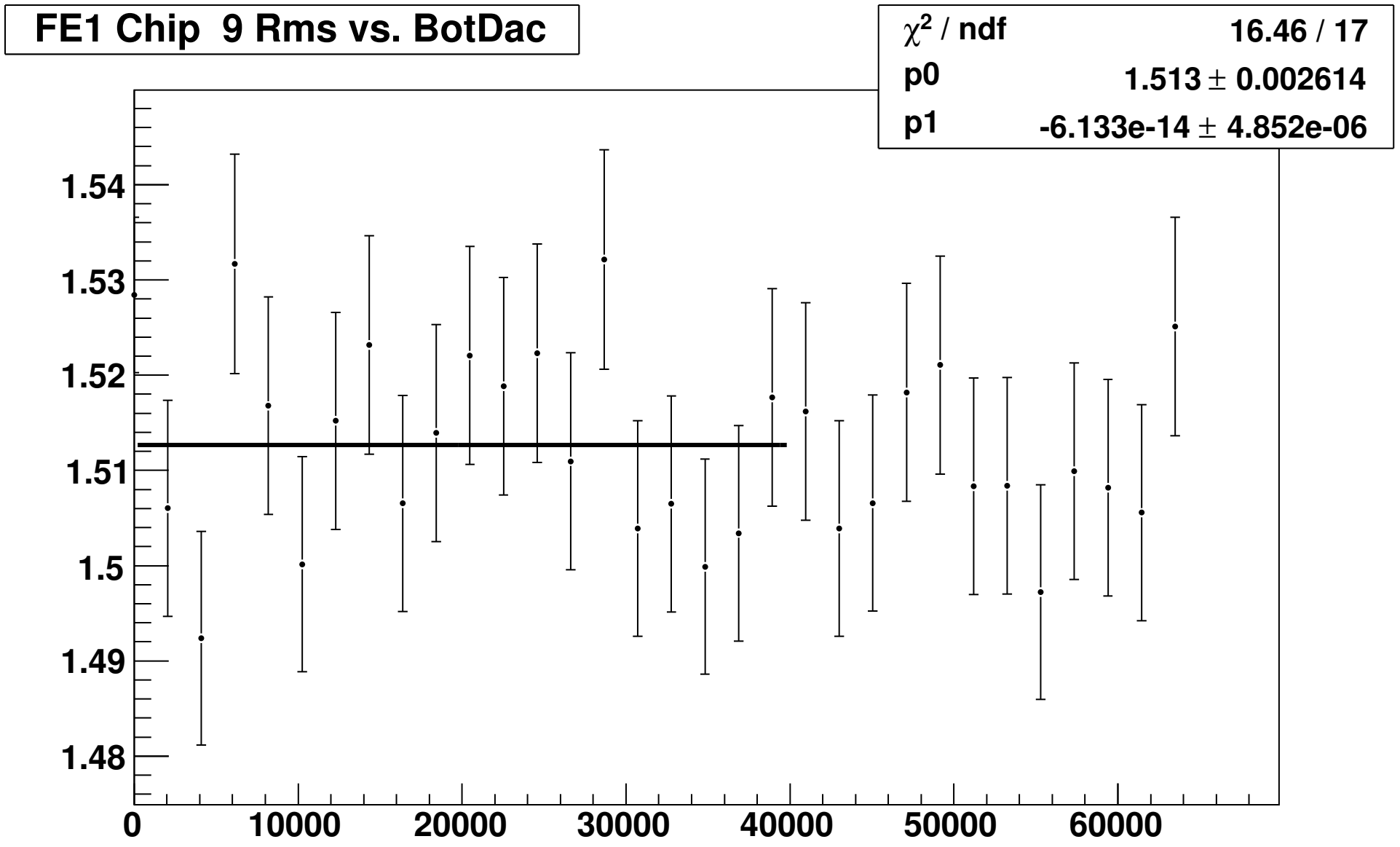

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 63.12 / 17
p0 39.53 ± 0.007566
p1 2.063e-06 ± 3.24e-07
39.7
39.6
39.5
39.4
39.3
0
10000
20000
30000
40000
50000
60000

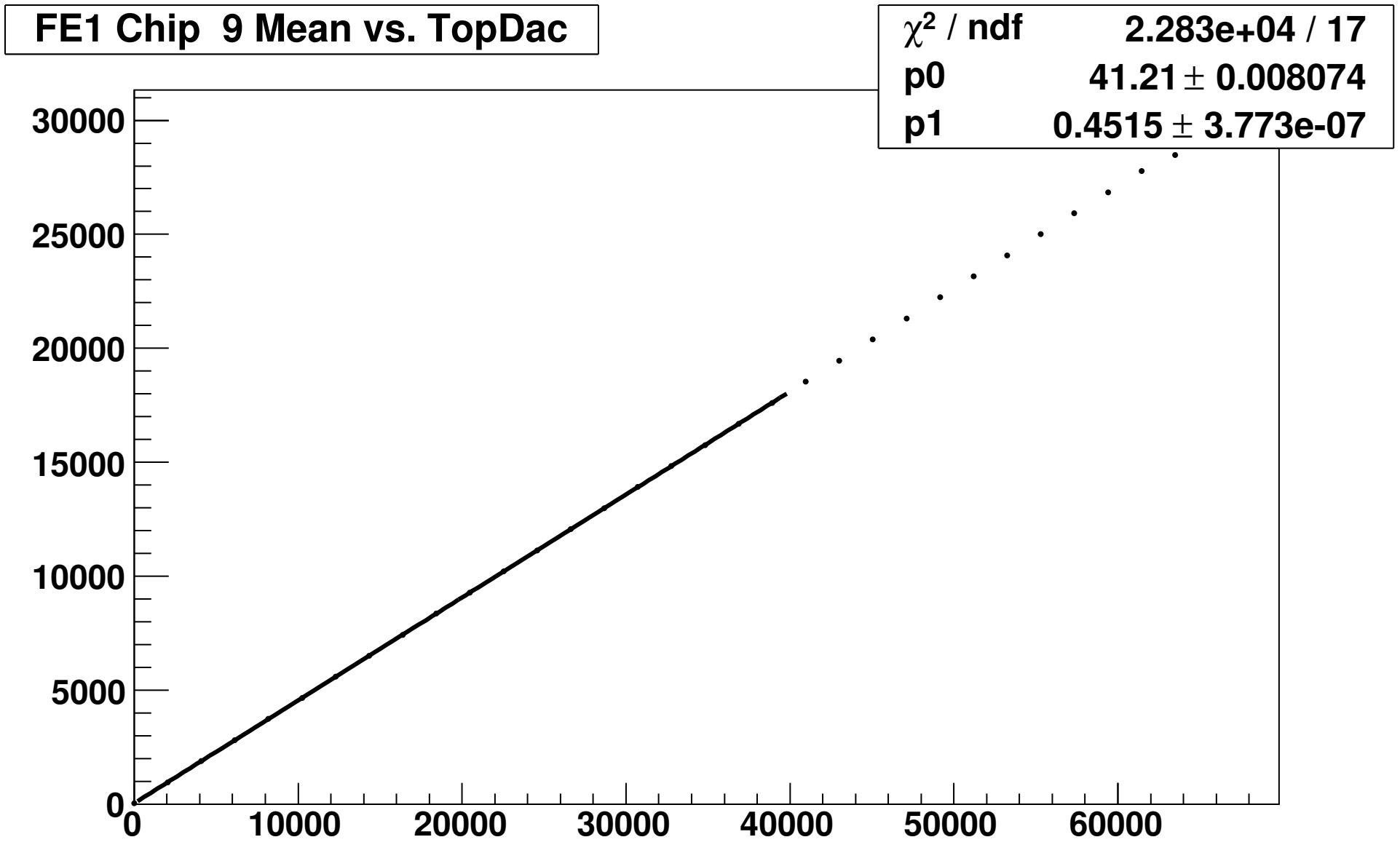

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 16.81 / 17
p0 1.497 ± 0.004004
p1 7.026e-07 ± 1.181e-05
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

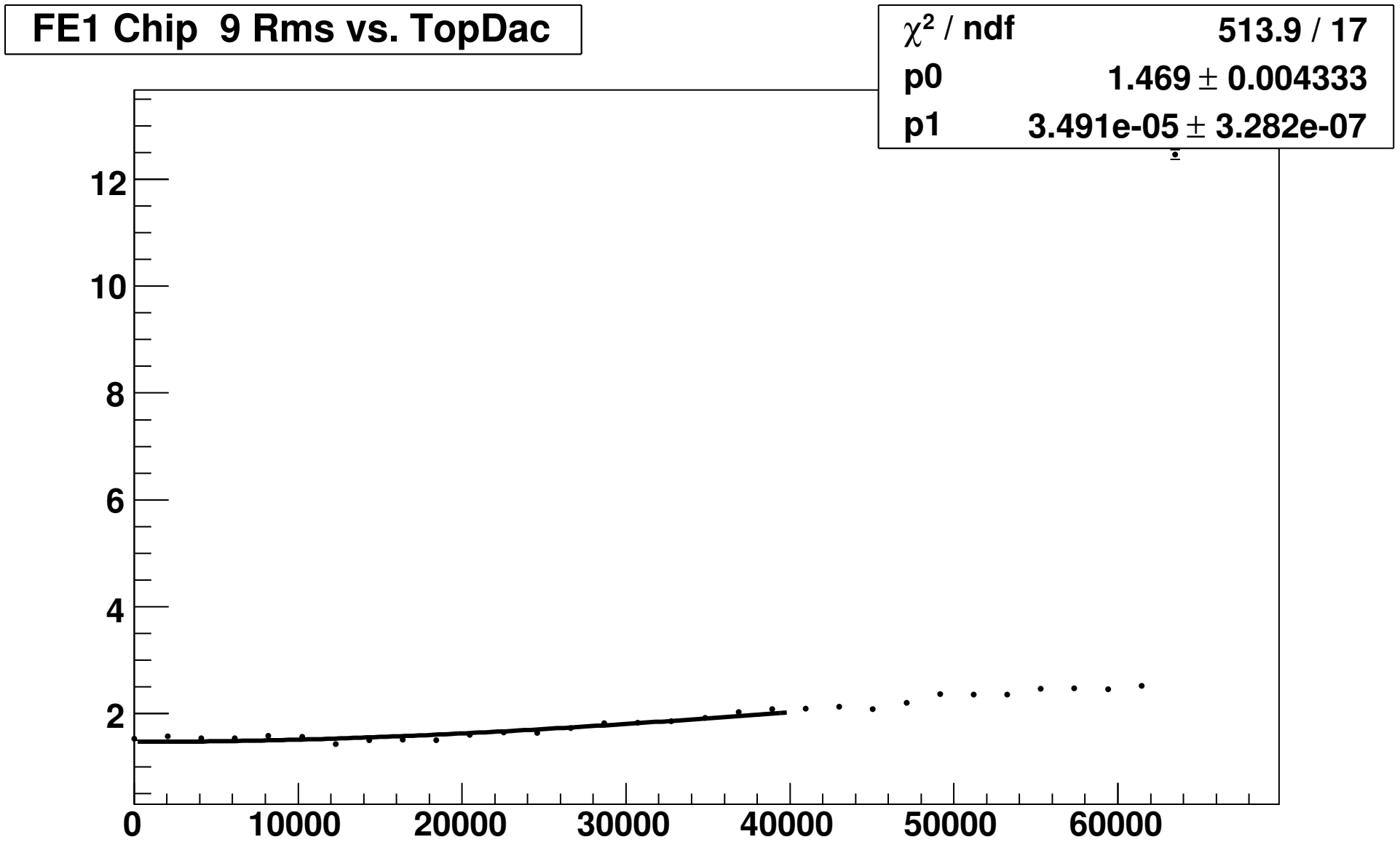

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 2.653e+04 / 17
p0 39.37 ± 0.007585
p1 0.4515 ± 3.588e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

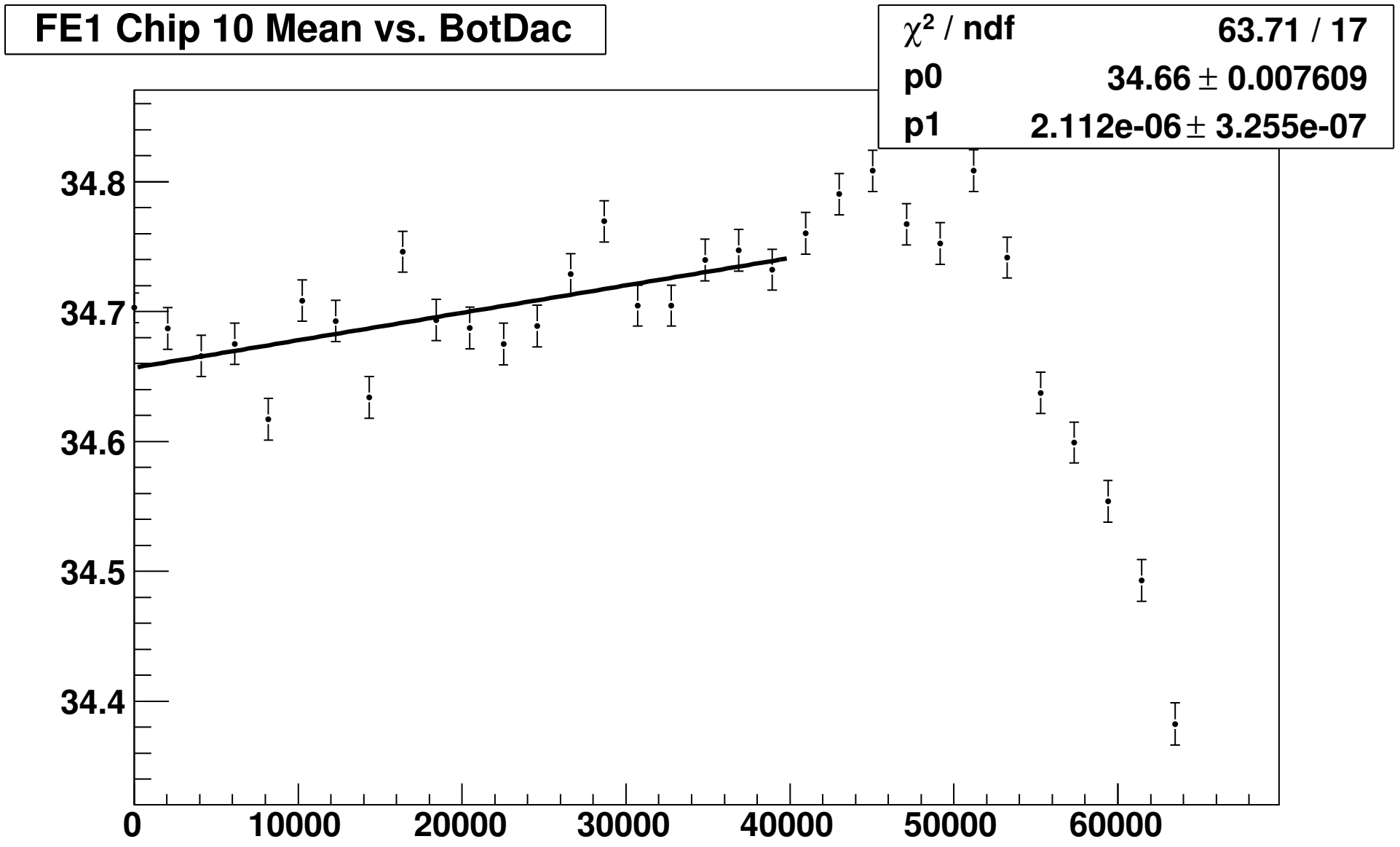

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 388.9 / 17
p0 1.371 ± 0.004102
p1 3.549e-05 ± 2.959e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

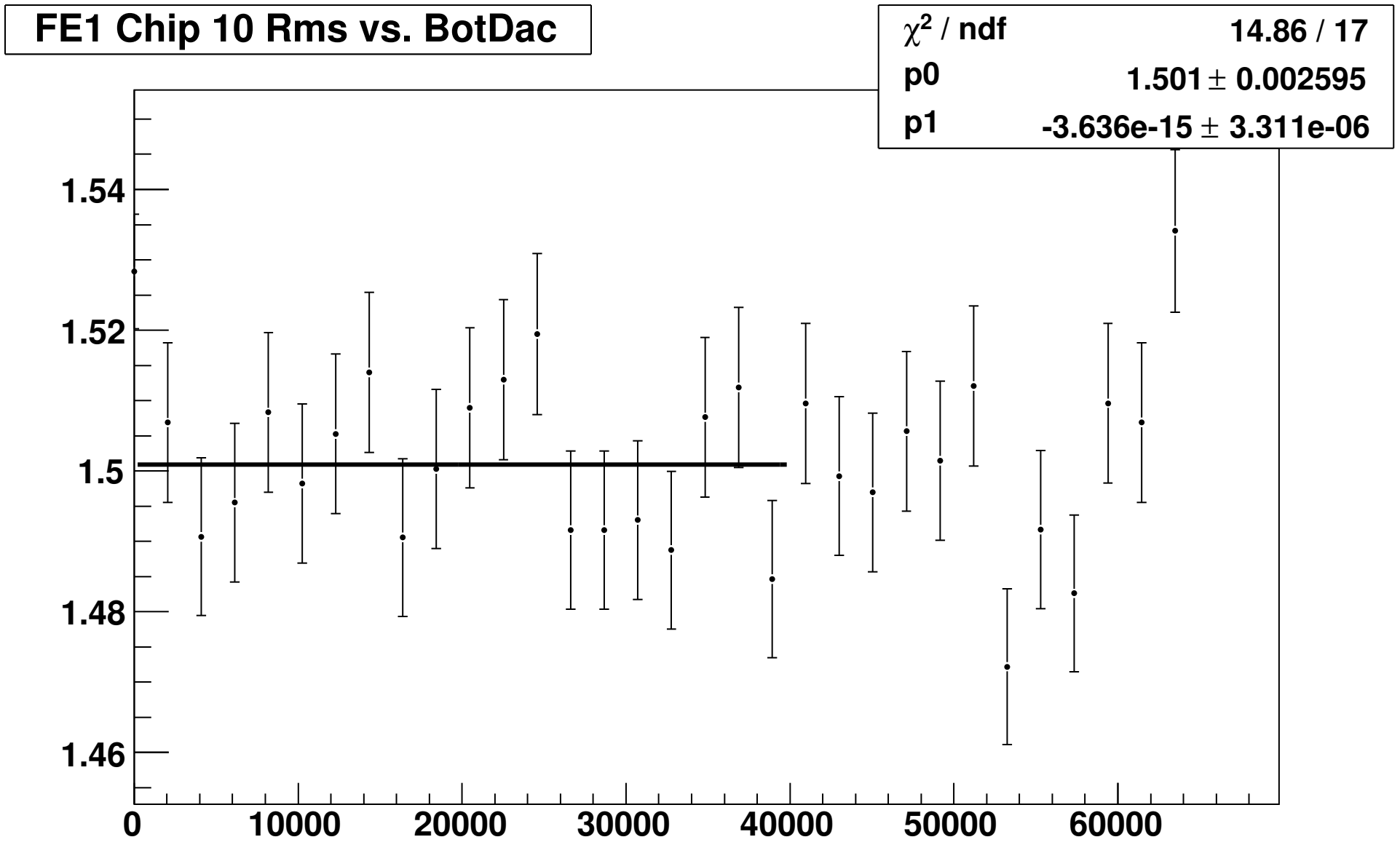

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 83.55 / 17
p0 41.85 ± 0.007657
p1 1.139e-06 ± 3.277e-07
42
41.9
41.8
41.7
41.6
0
10000
20000
30000
40000
50000
60000

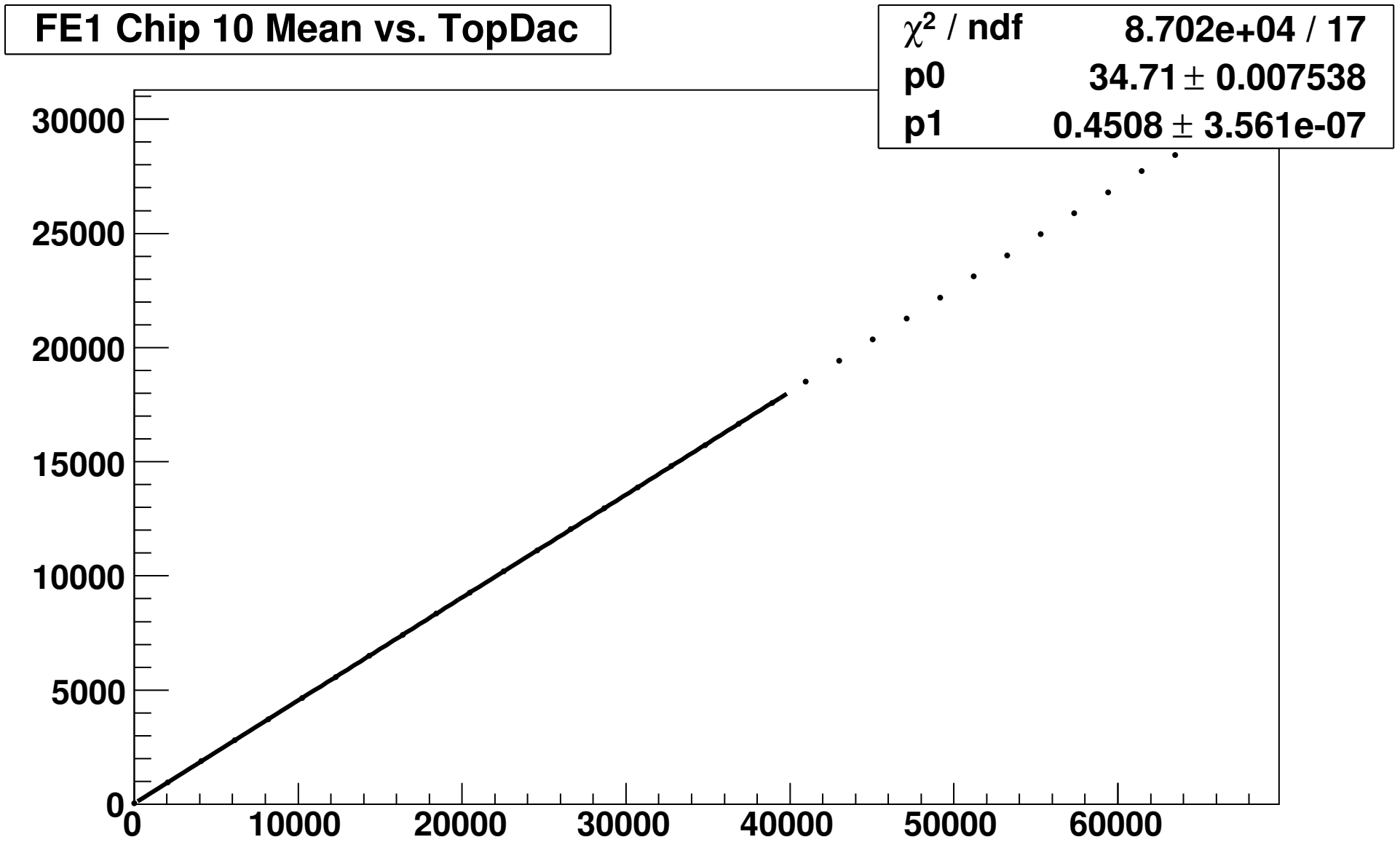

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 16.46 / 17
p0 1.513 ± 0.002614
p1 -6.133e-14 ± 4.852e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

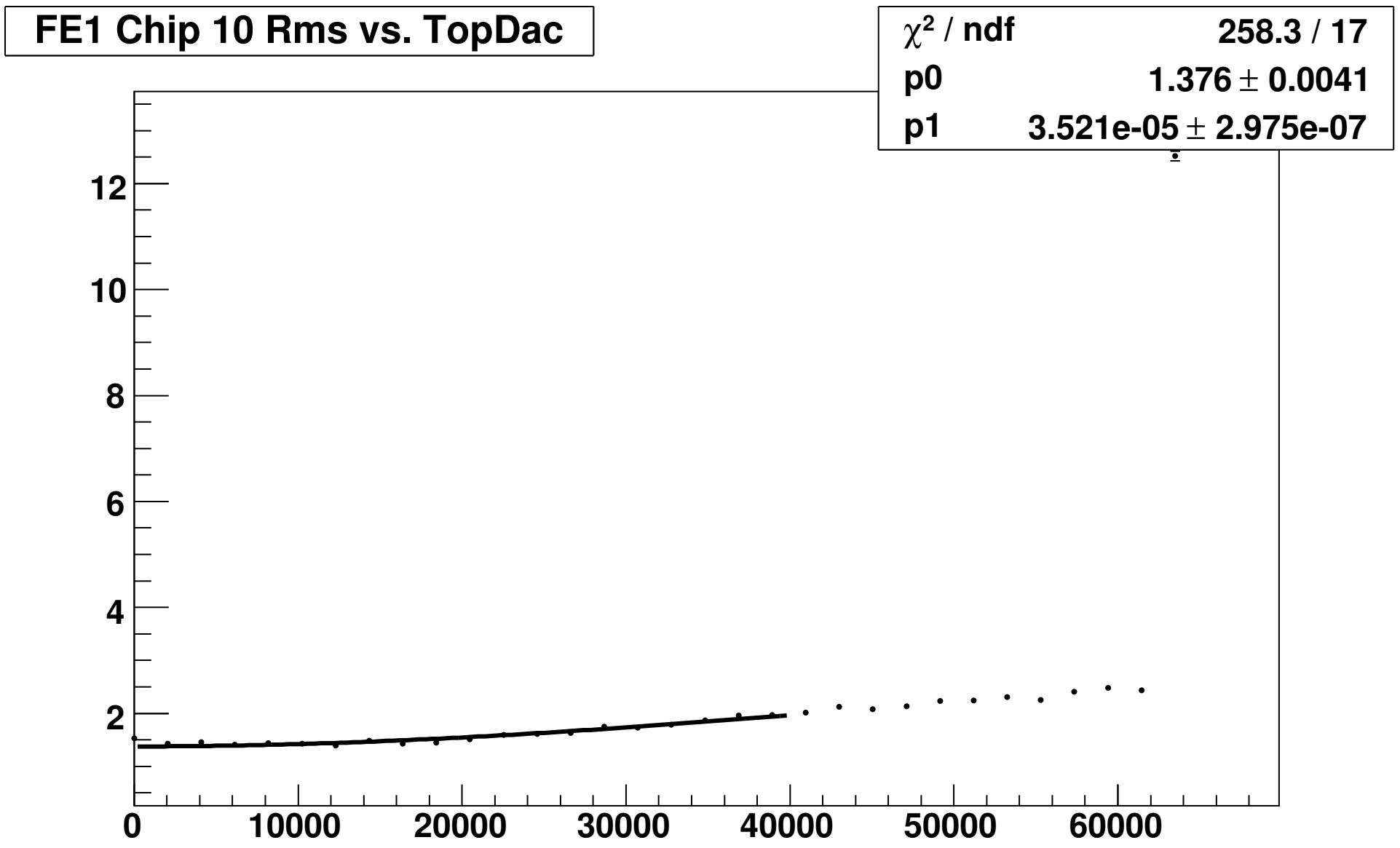

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 2.283e+04 / 17
p0 41.21 ± 0.008074
p1 0.4515 ± 3.773e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

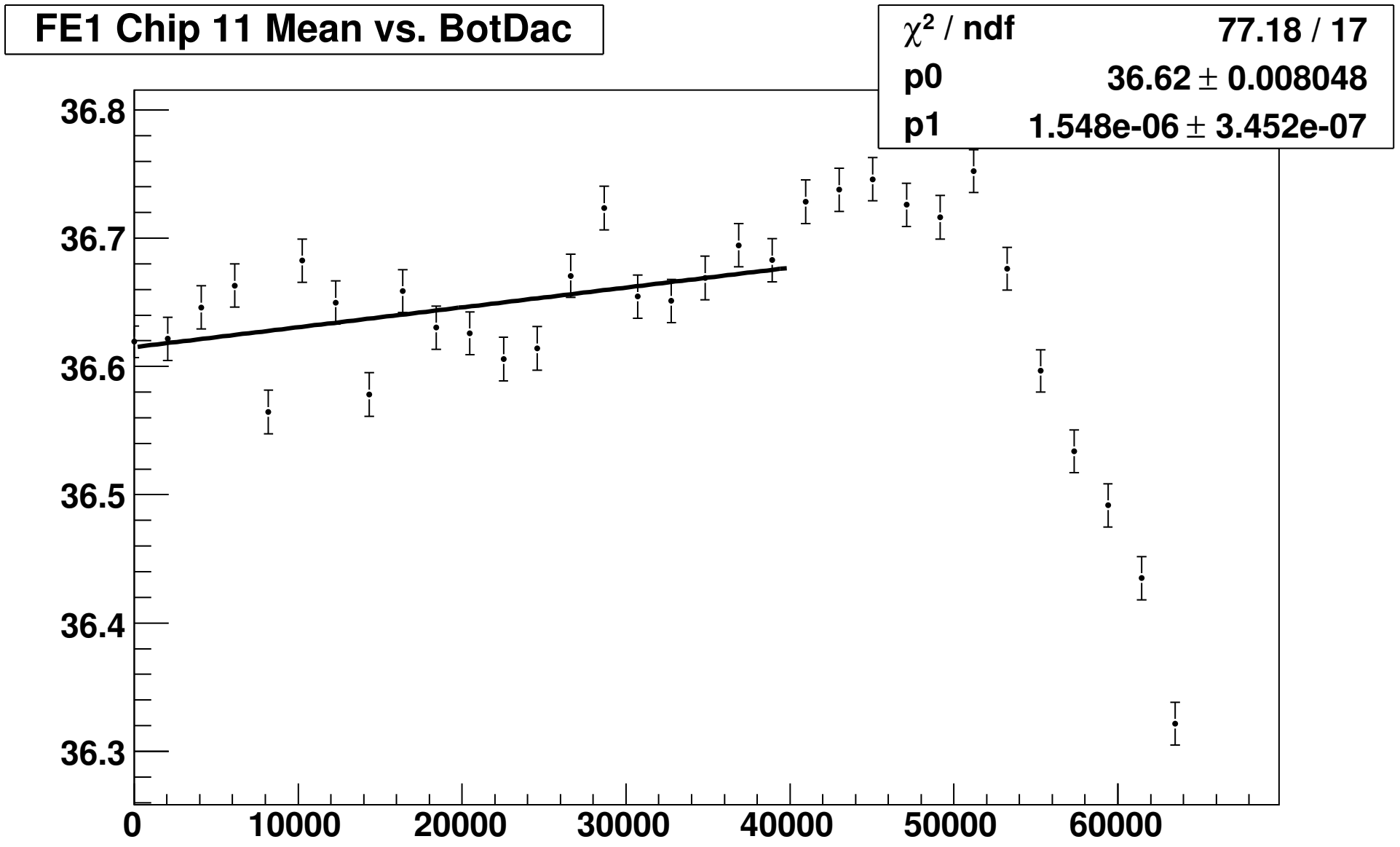

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 513.9 / 17
p0 1.469 ± 0.004333
p1 3.491e-05 ± 3.282e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

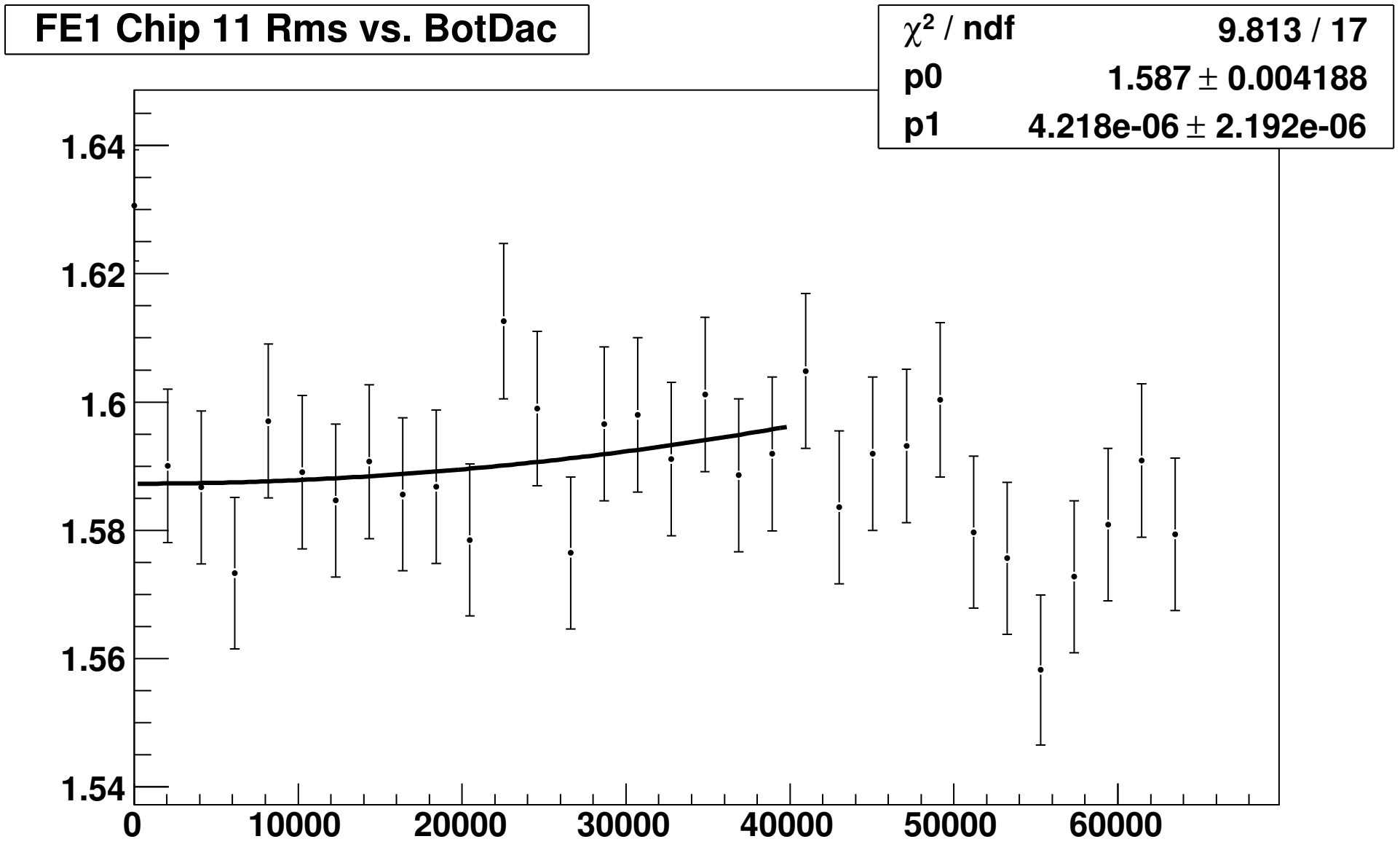

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 63.71 / 17
p0 34.66 ± 0.007609
p1 2.112e-06 ± 3.255e-07
34.8
34.7
34.6
34.5
34.4
0
10000
20000
30000
40000
50000
60000

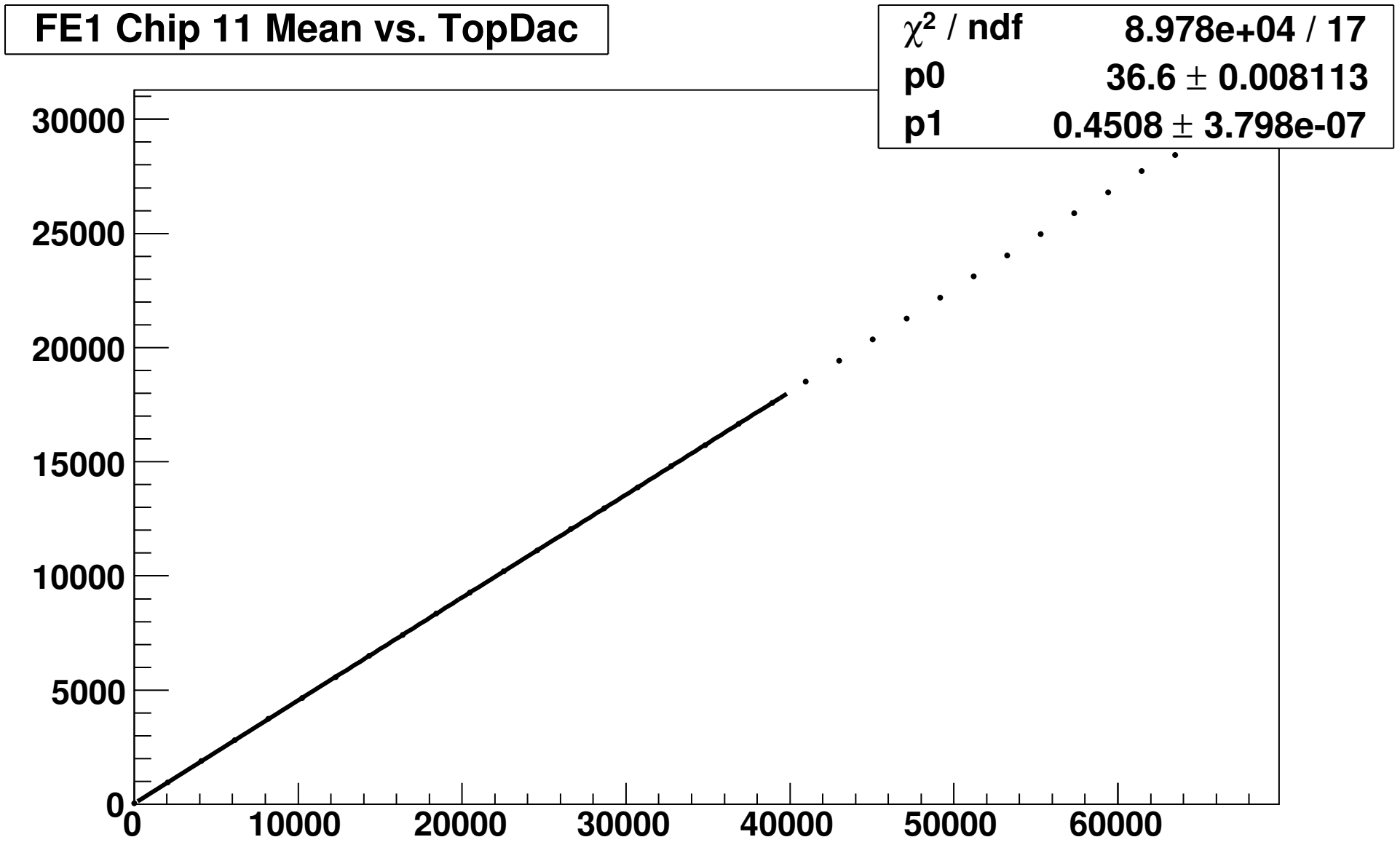

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 14.86 / 17
p0 1.501 ± 0.002595
p1 -3.636e-15 ± 3.311e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

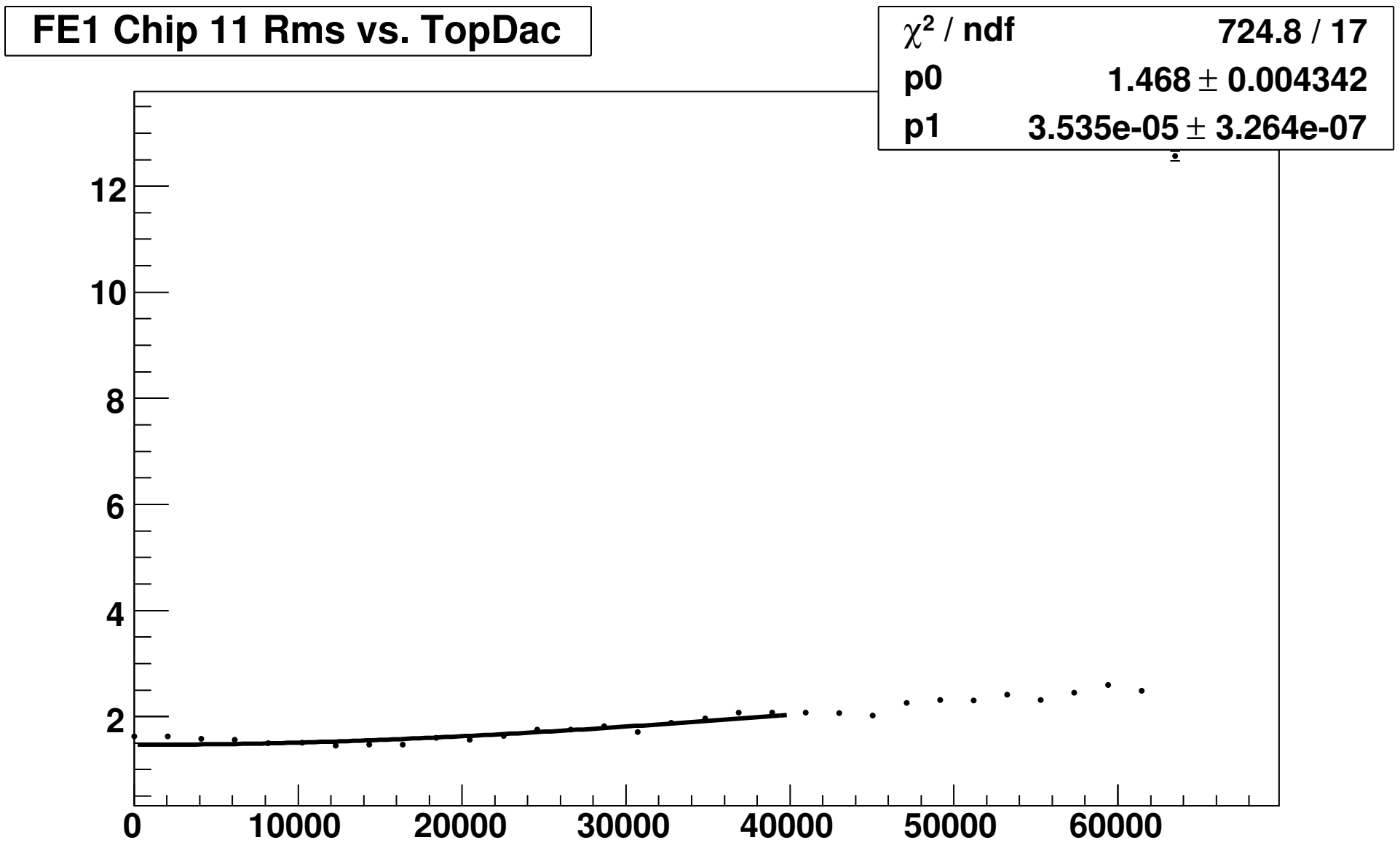

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.702e+04 / 17
p0 34.71 ± 0.007538
p1 0.4508 ± 3.561e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

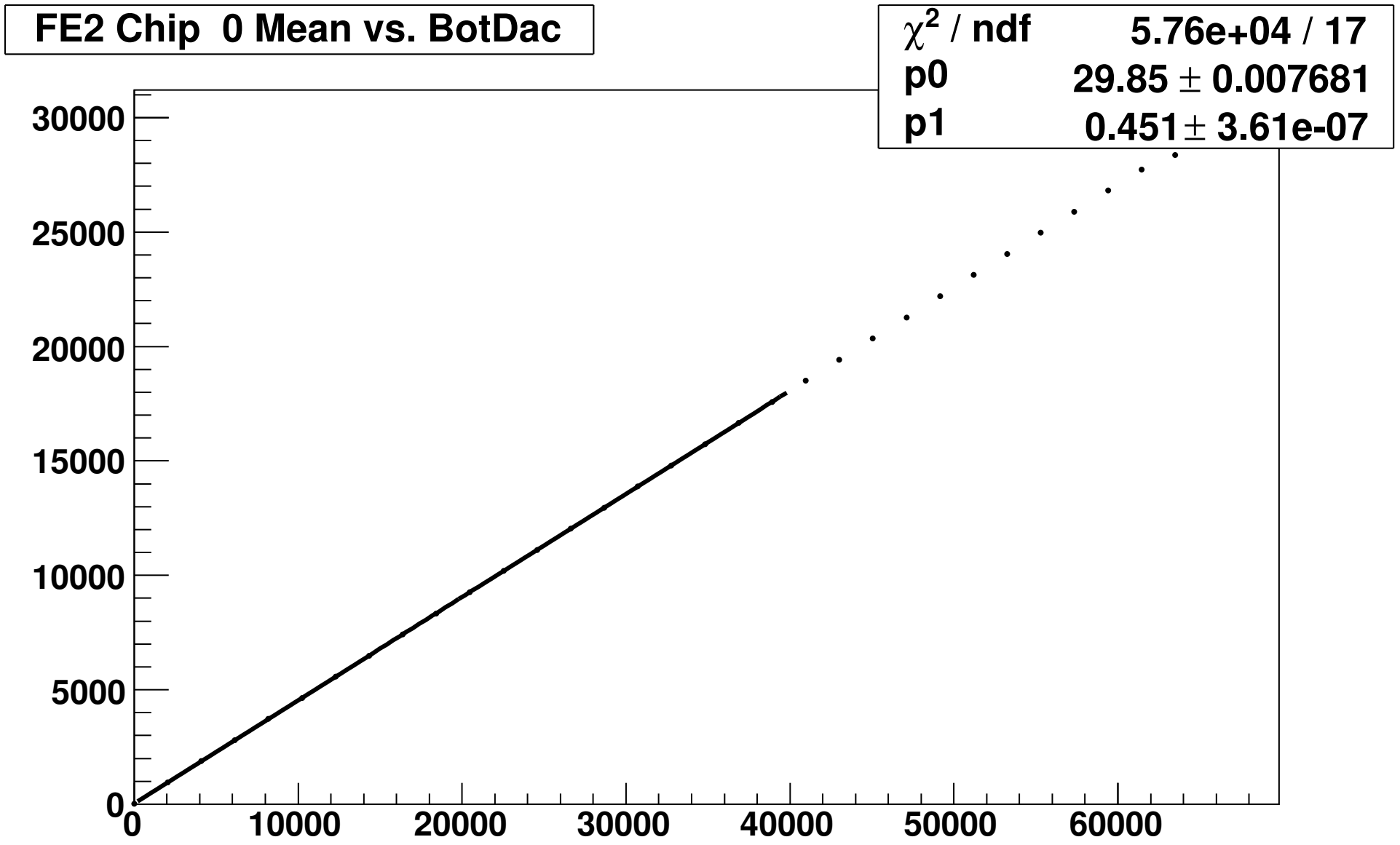

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 258.3 / 17
p0 1.376 ± 0.0041
p1 3.521e-05 ± 2.975e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

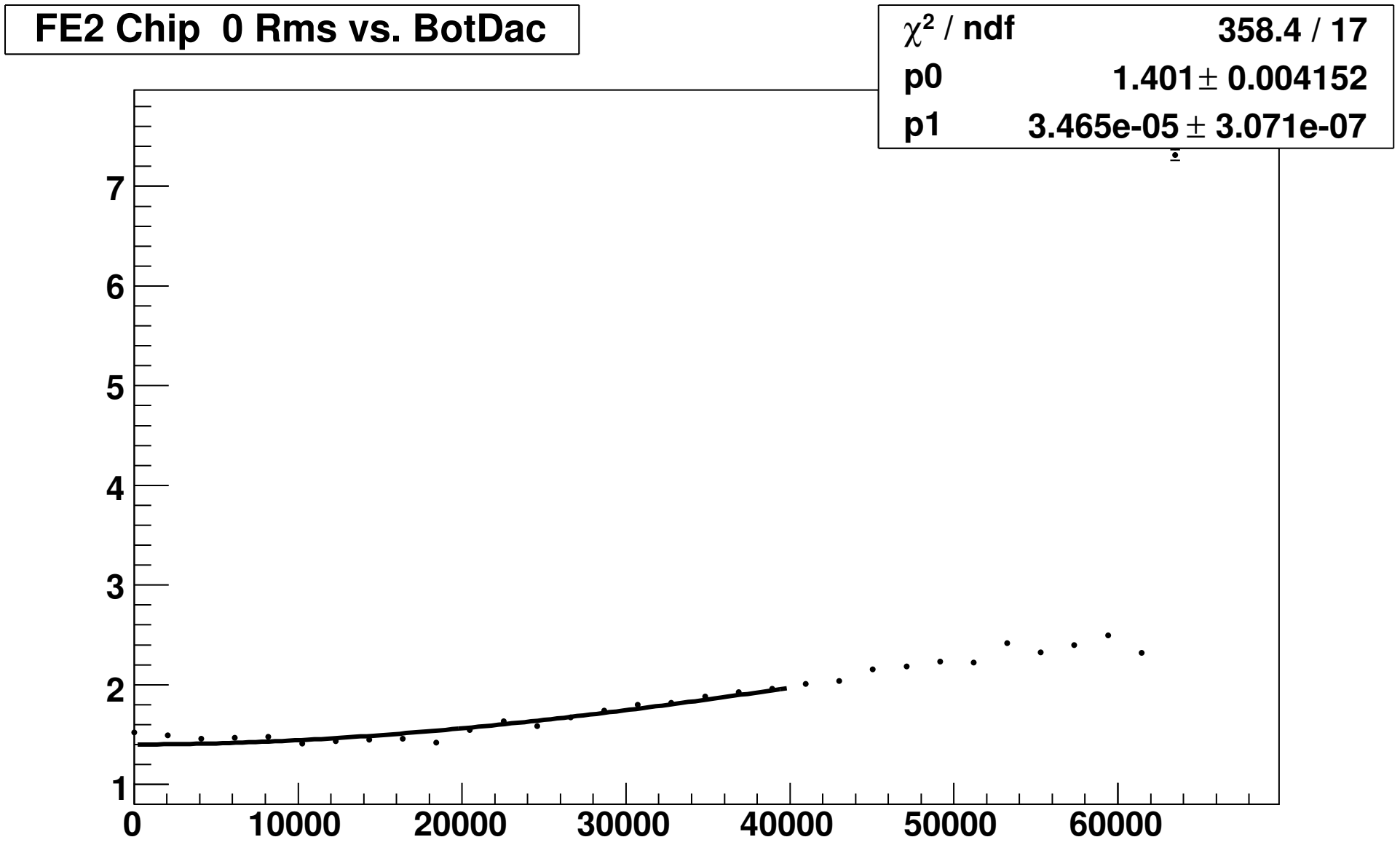

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 77.18 / 17
p0 36.62 ± 0.008048
p1 1.548e-06 ± 3.452e-07
36.8
36.7
36.6
36.5
36.4
36.3
0
10000
20000
30000
40000
50000
60000

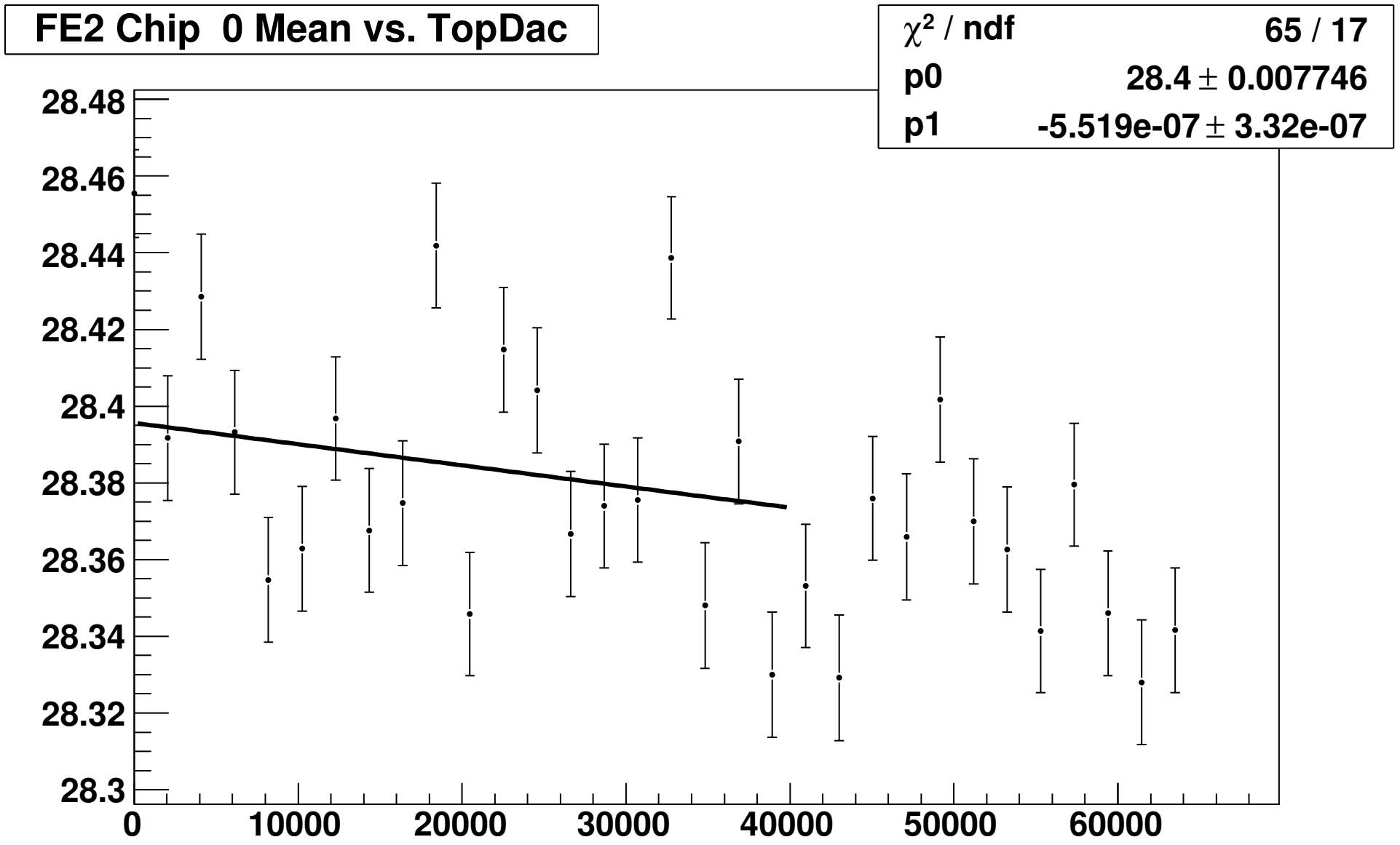

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 9.813 / 17
p0 1.587 ± 0.004188
p1 4.218e-06 ± 2.192e-06
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000

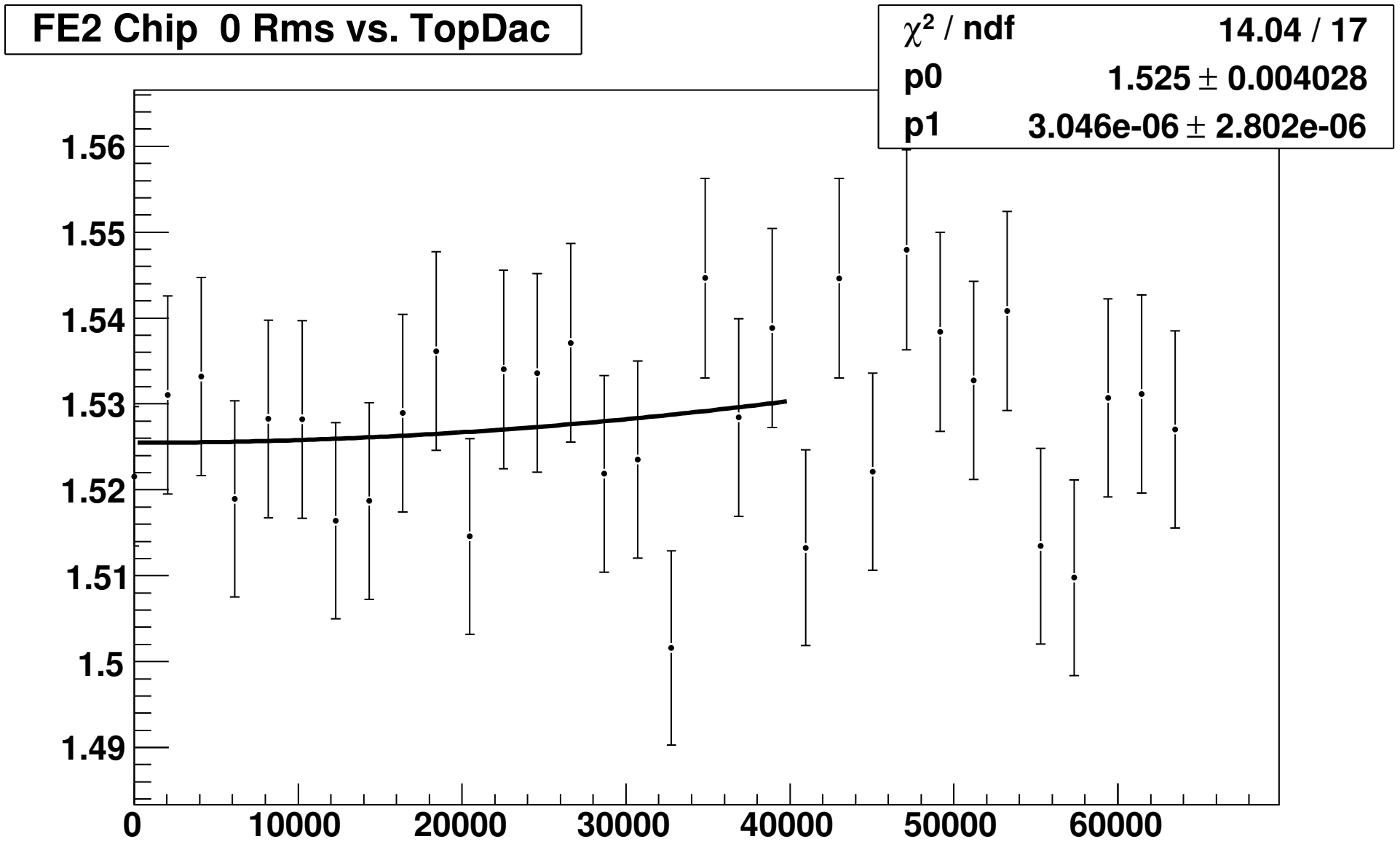

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 8.978e+04 / 17
p0 36.6 ± 0.008113
p1 0.4508 ± 3.798e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 724.8 / 17
p0 1.468 ± 0.004342
p1 3.535e-05 ± 3.264e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 5.76e+04 / 17
p0 29.85 ± 0.007681
p1 0.451 ± 3.61e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 358.4 / 17
p0 1.401 ± 0.004152
p1 3.465e-05 ± 3.071e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 65 / 17
p0 28.4 ± 0.007746
p1 -5.519e-07 ± 3.32e-07
28.48
28.46
28.44
28.42
28.4
28.38
28.36
28.34
28.32
28.3
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 14.04 / 17
p0 1.525 ± 0.004028
p1 3.046e-06 ± 2.802e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
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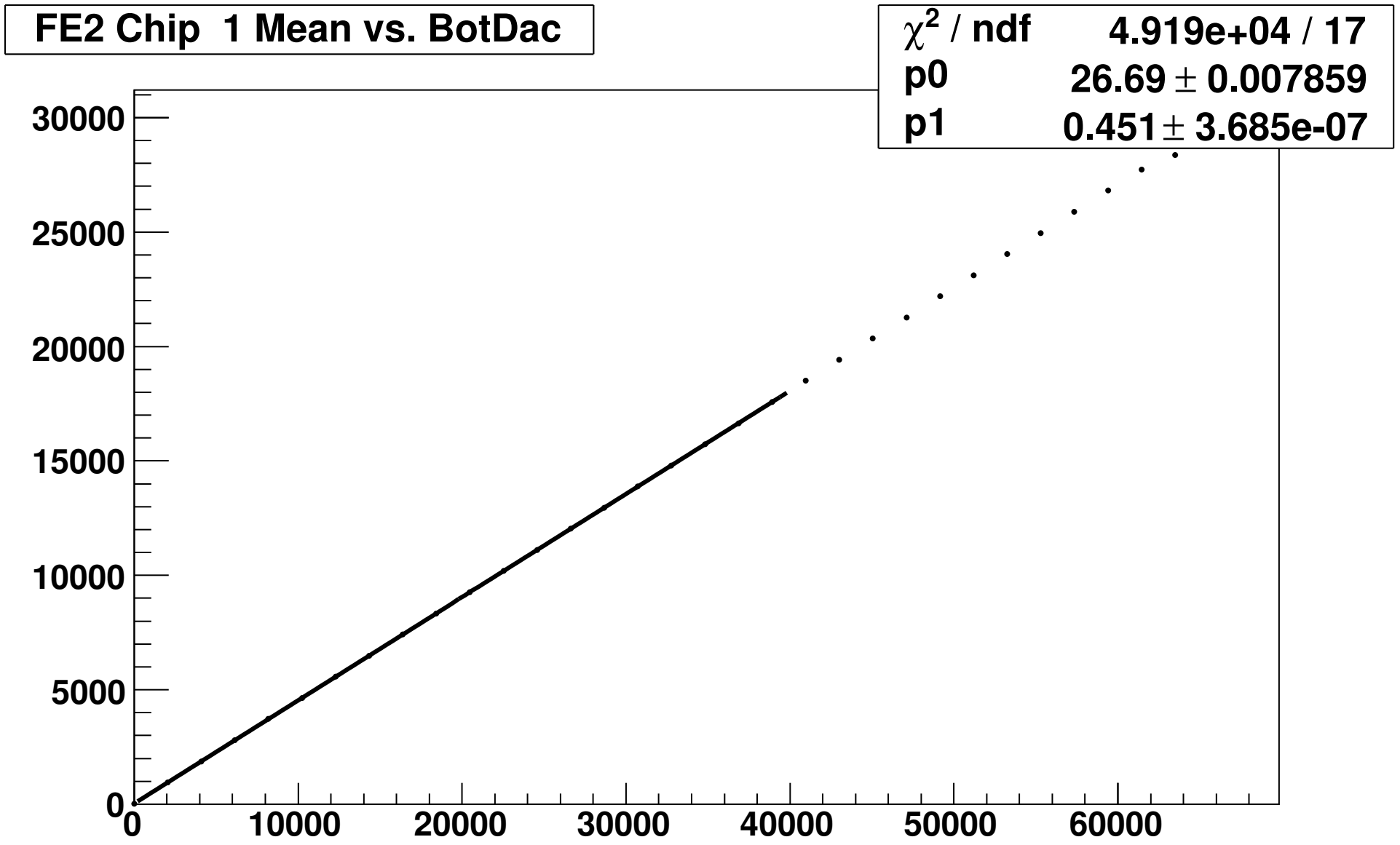
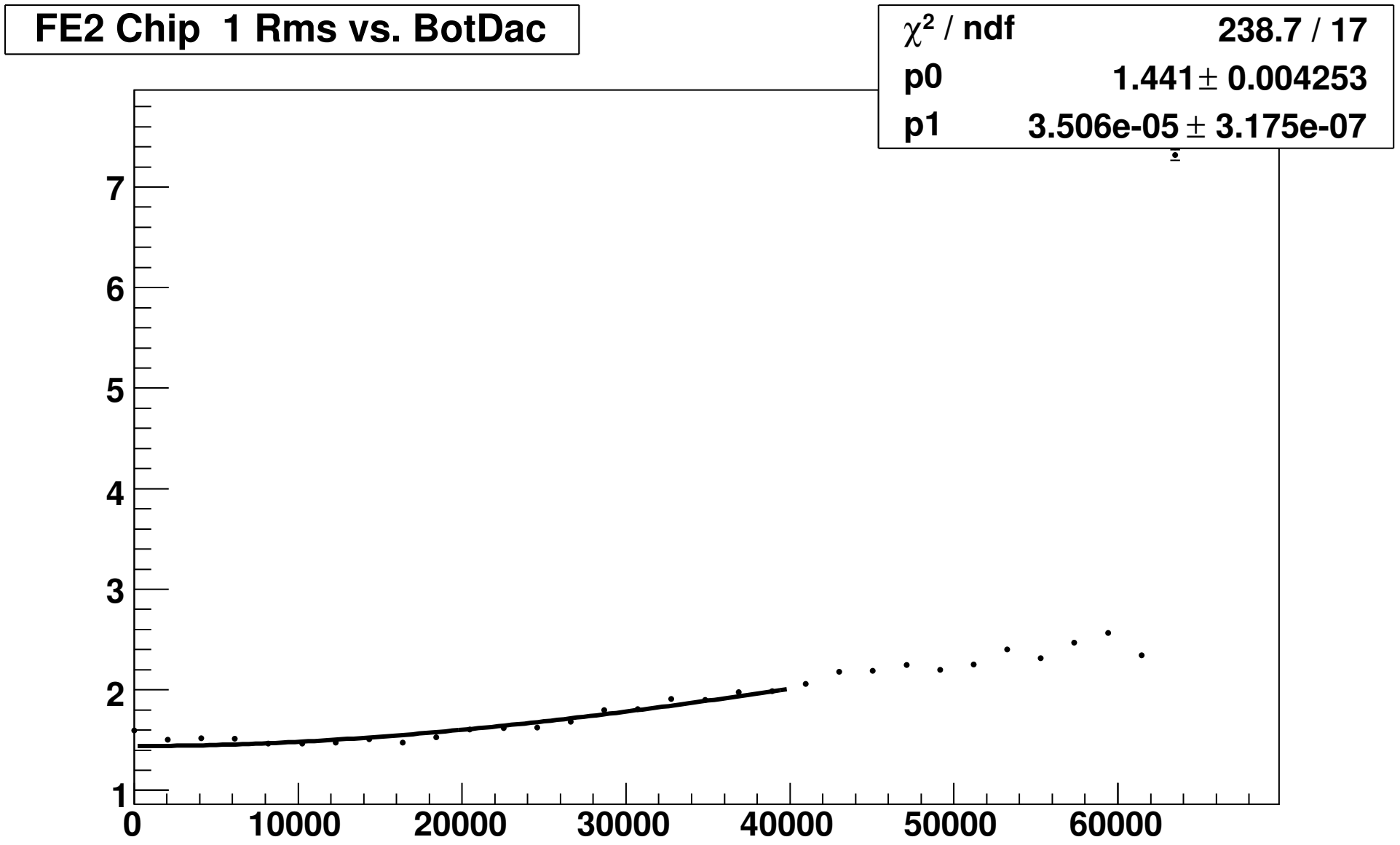
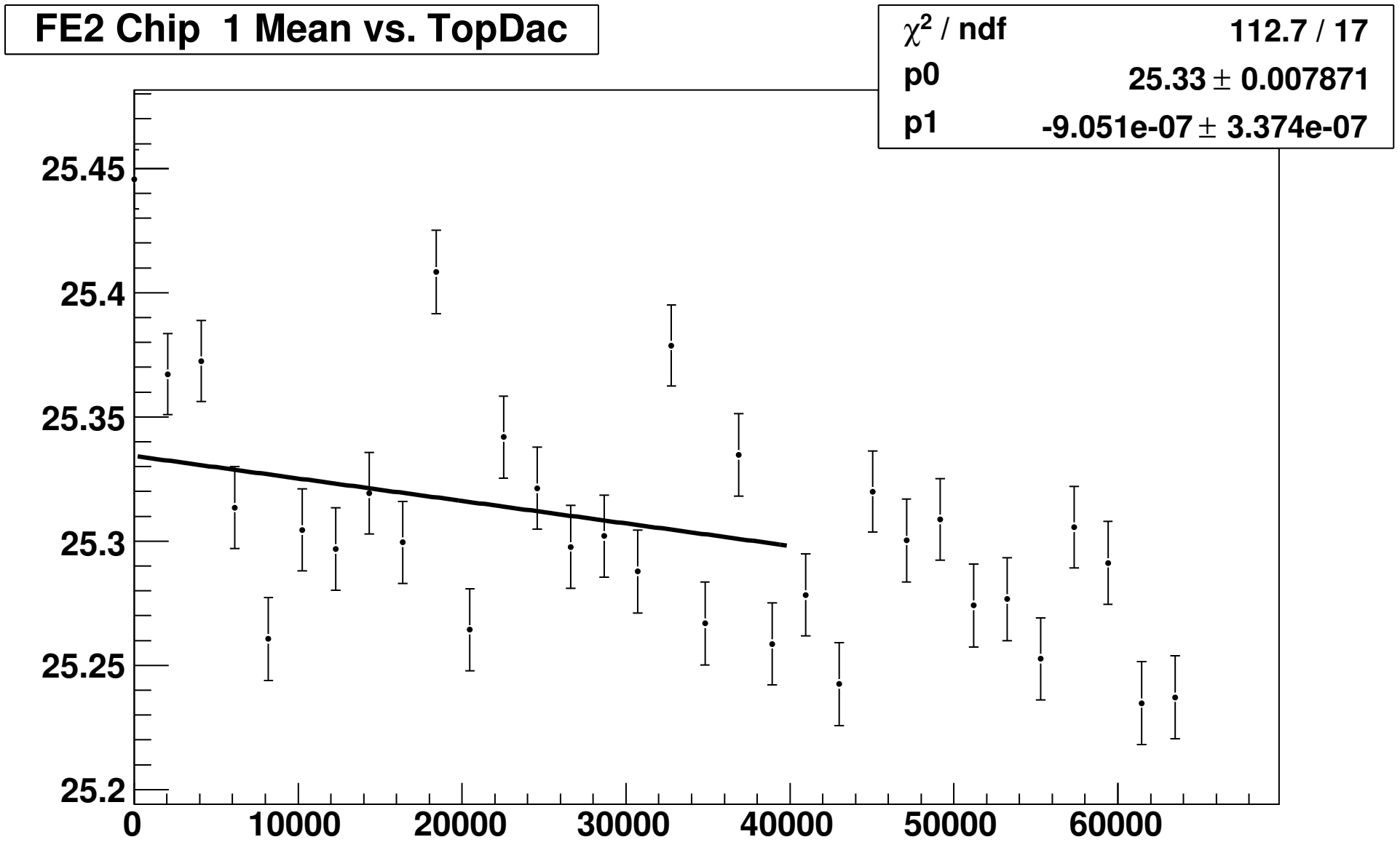

FE2 Chip 1 Mean vs. BotDac
χ² / ndf 4.919e+04 / 17
p0 26.69 ± 0.007859
p1 0.451 ± 3.685e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 238.7 / 17
p0 1.441 ± 0.004253
p1 3.506e-05 ± 3.175e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 112.7 / 17
p0 25.33 ± 0.007871
p1 -9.051e-07 ± 3.374e-07
25.45
25.4
25.35
25.3
25.25
25.2
0
10000
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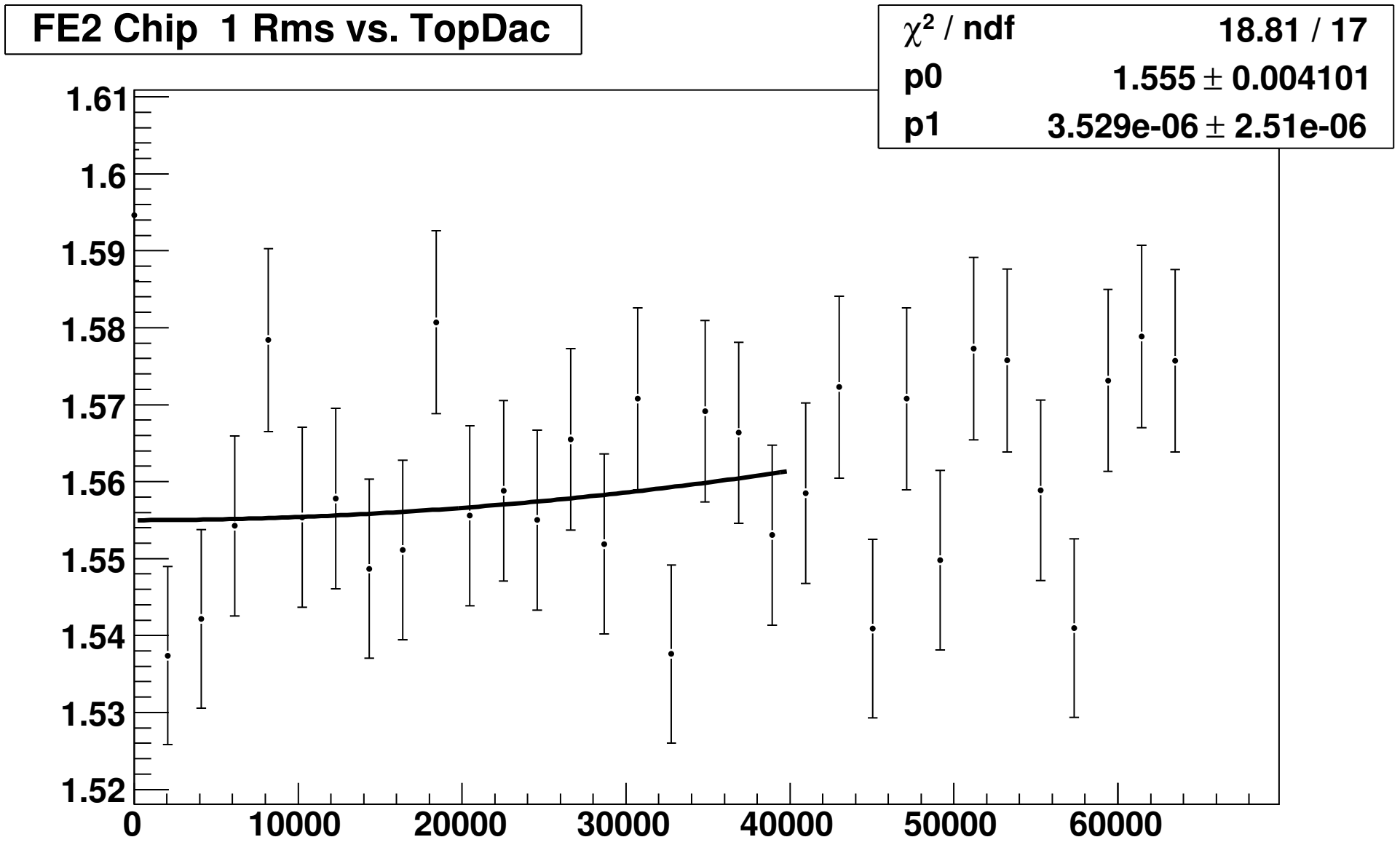
50000
60000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 18.81 / 17
p0 1.555 ± 0.004101
p1 3.529e-06 ± 2.51e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
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40000
50000
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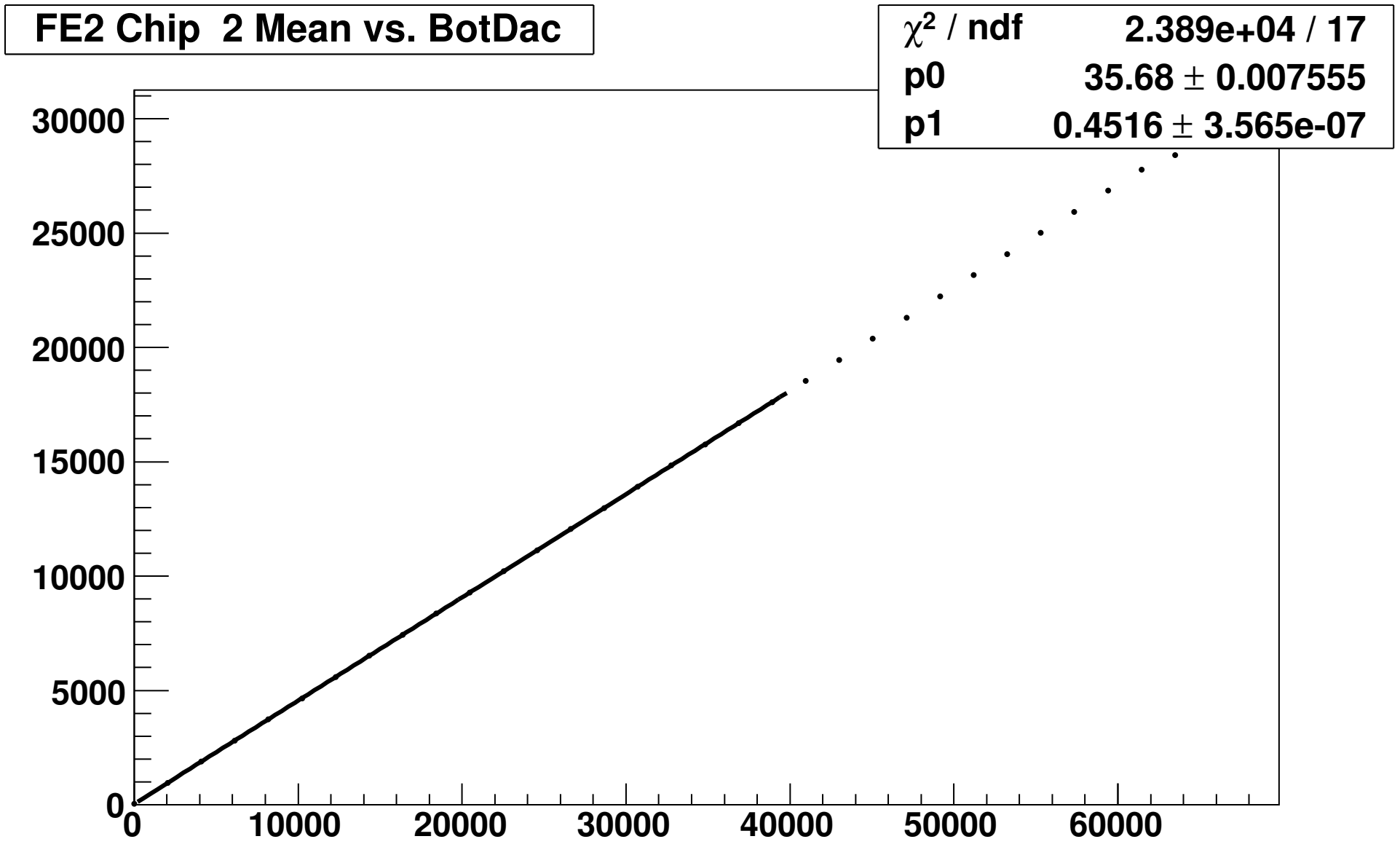
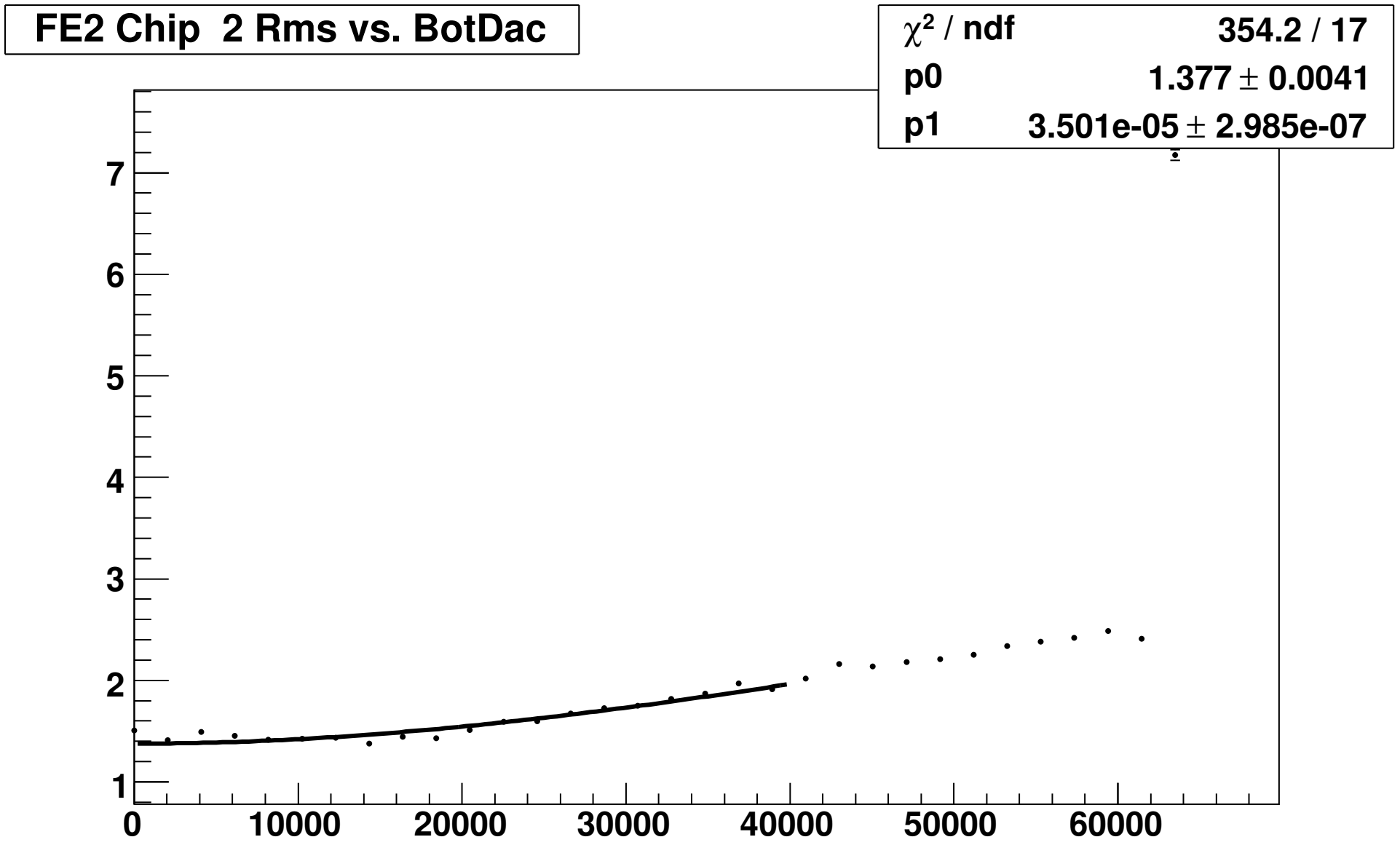
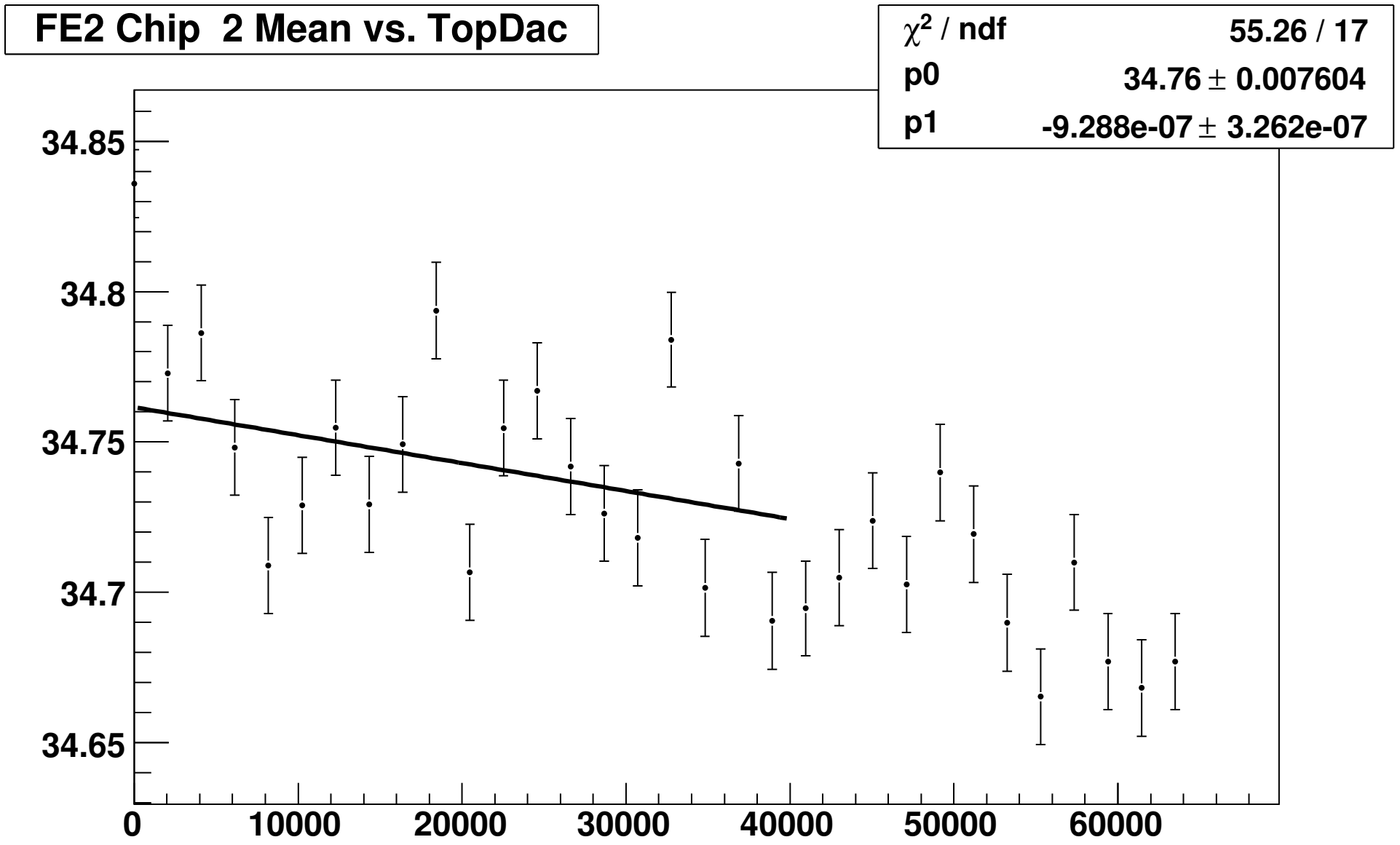
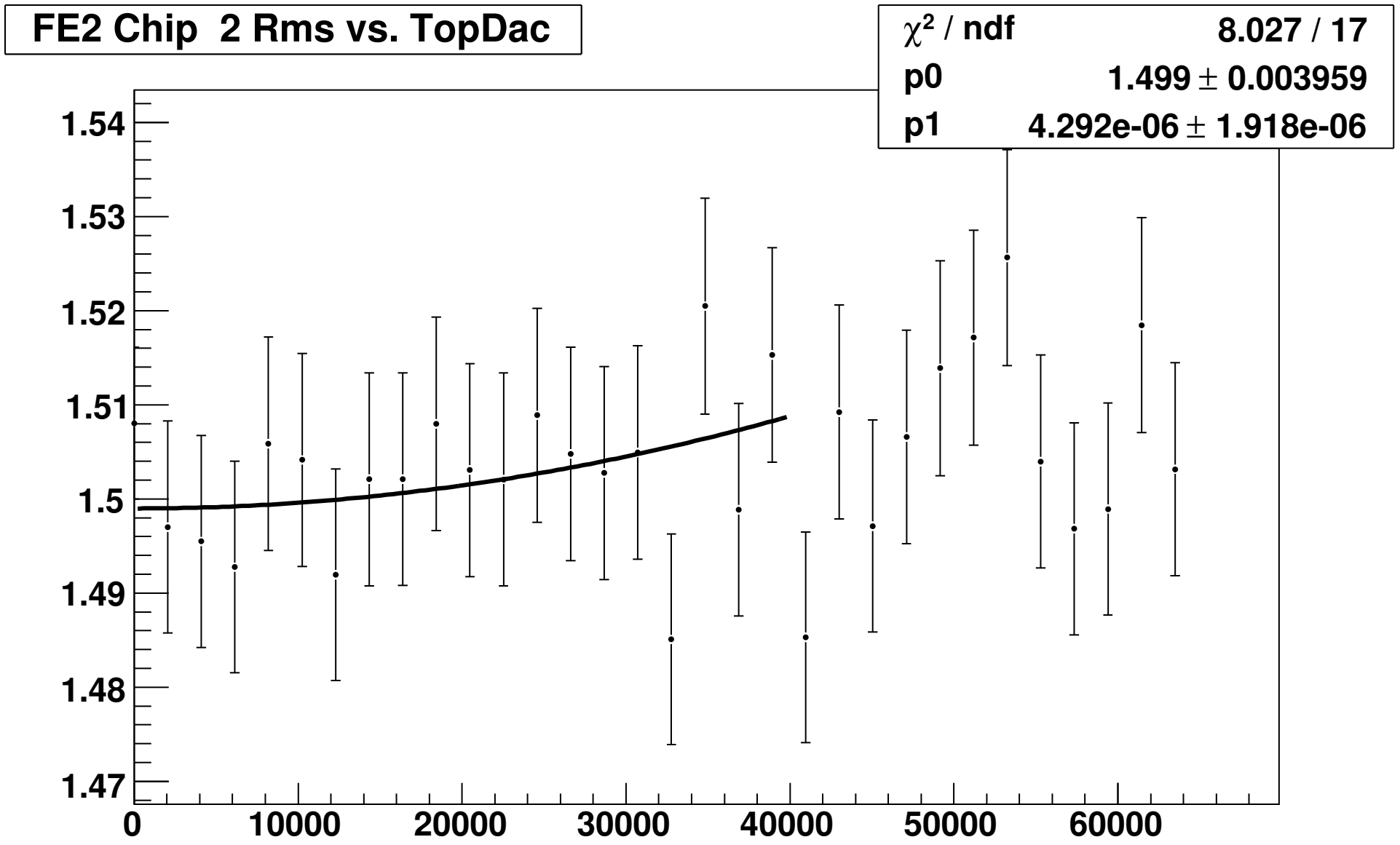
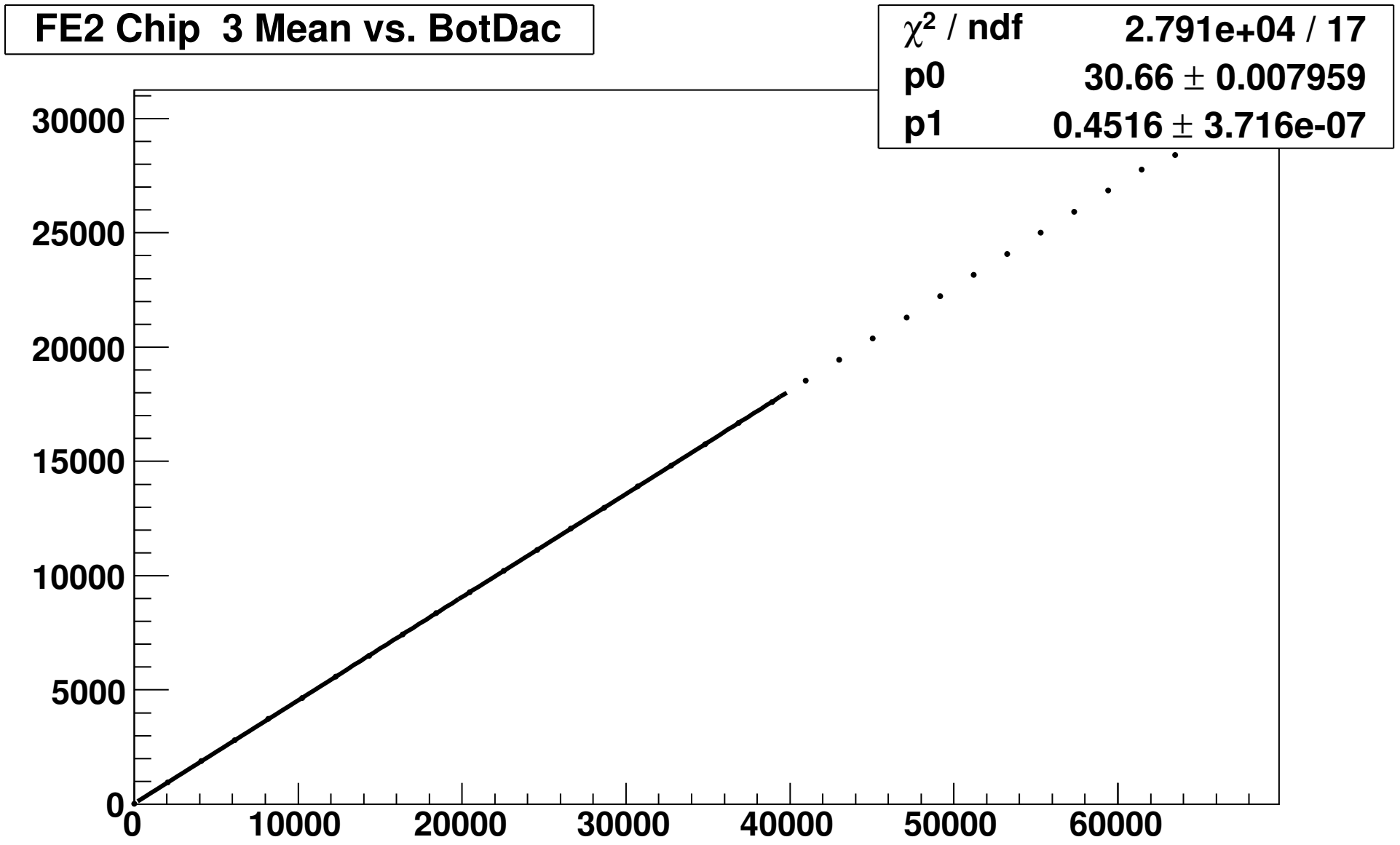
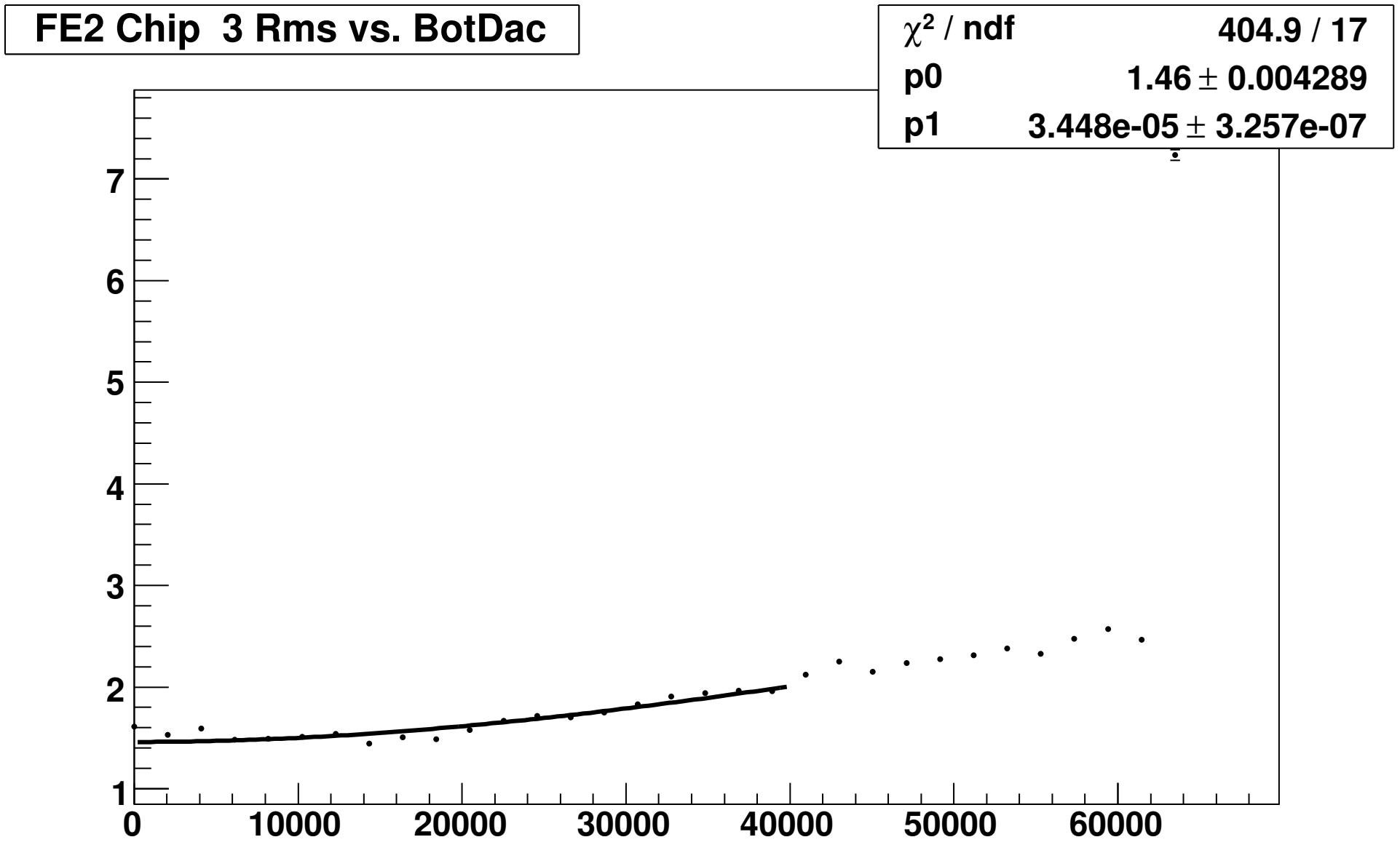

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 2.389e+04 / 17
p0 35.68 ± 0.007555
p1 0.4516 ± 3.565e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

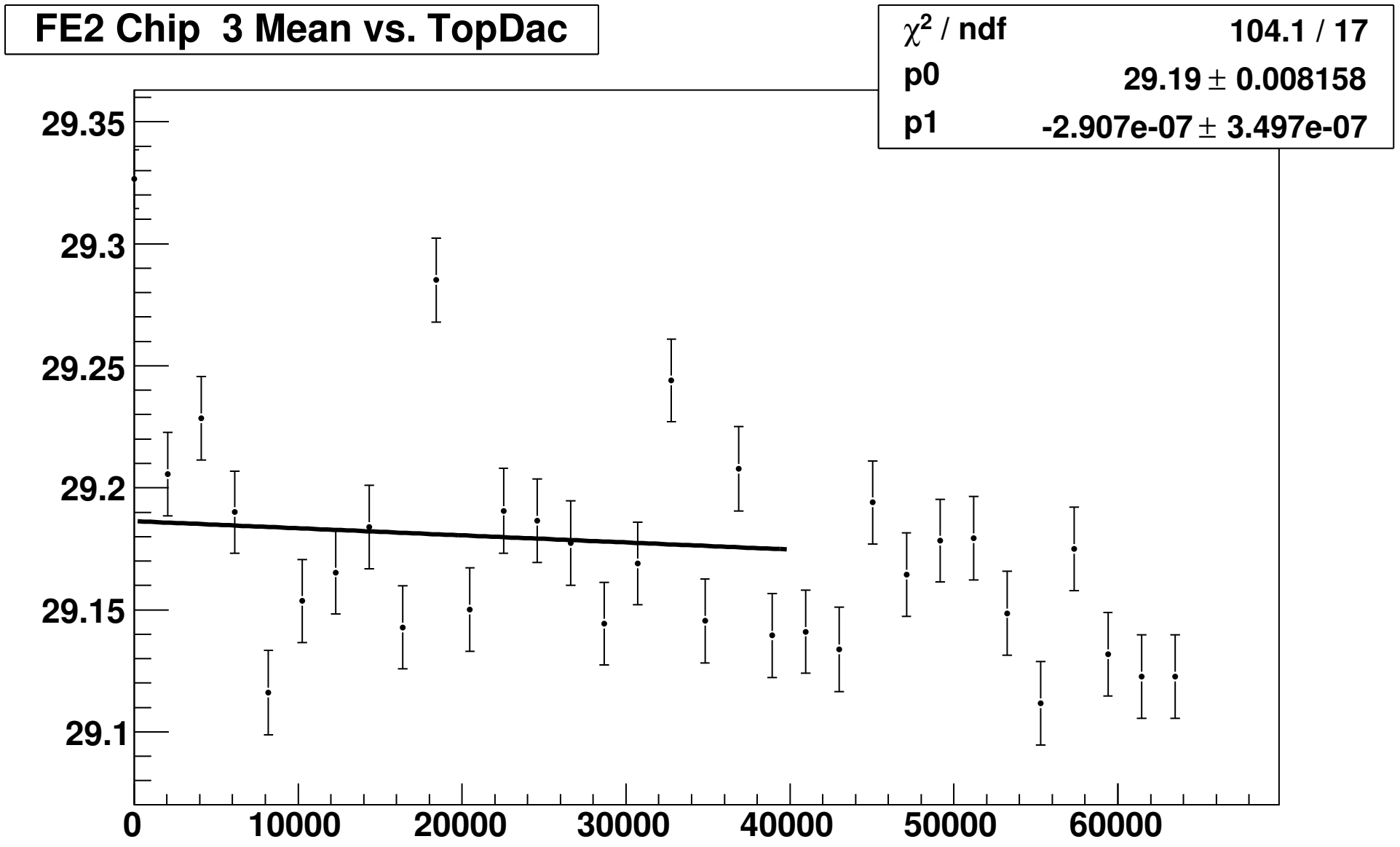

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 354.2 / 17
p0 1.377 ± 0.0041
p1 3.501e-05 ± 2.985e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

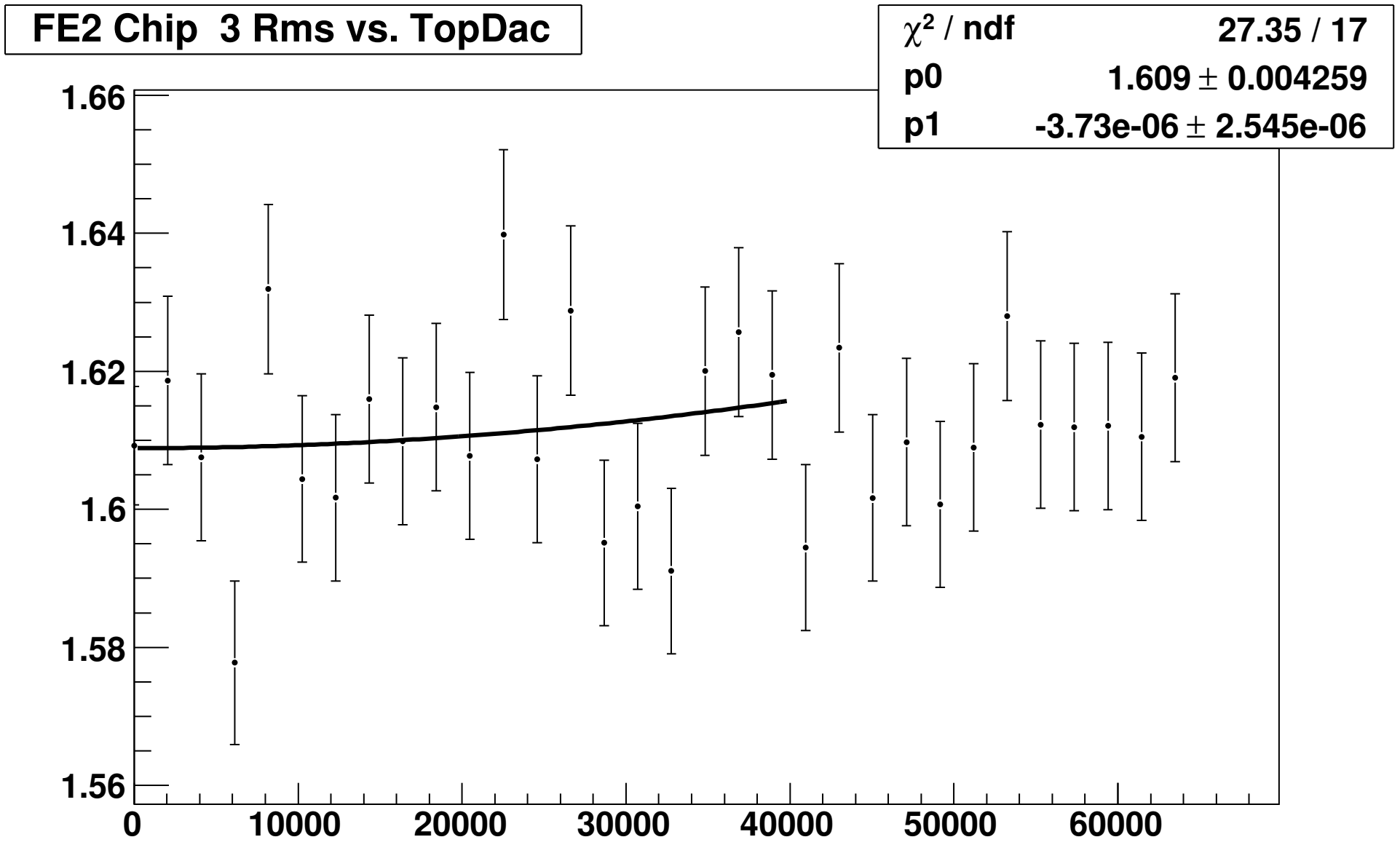

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 55.26 / 17
p0 34.76 ± 0.007604
p1 -9.288e-07 ± 3.262e-07
34.85
34.8
34.75
34.7
34.65
0
10000
20000
30000
40000
50000
60000

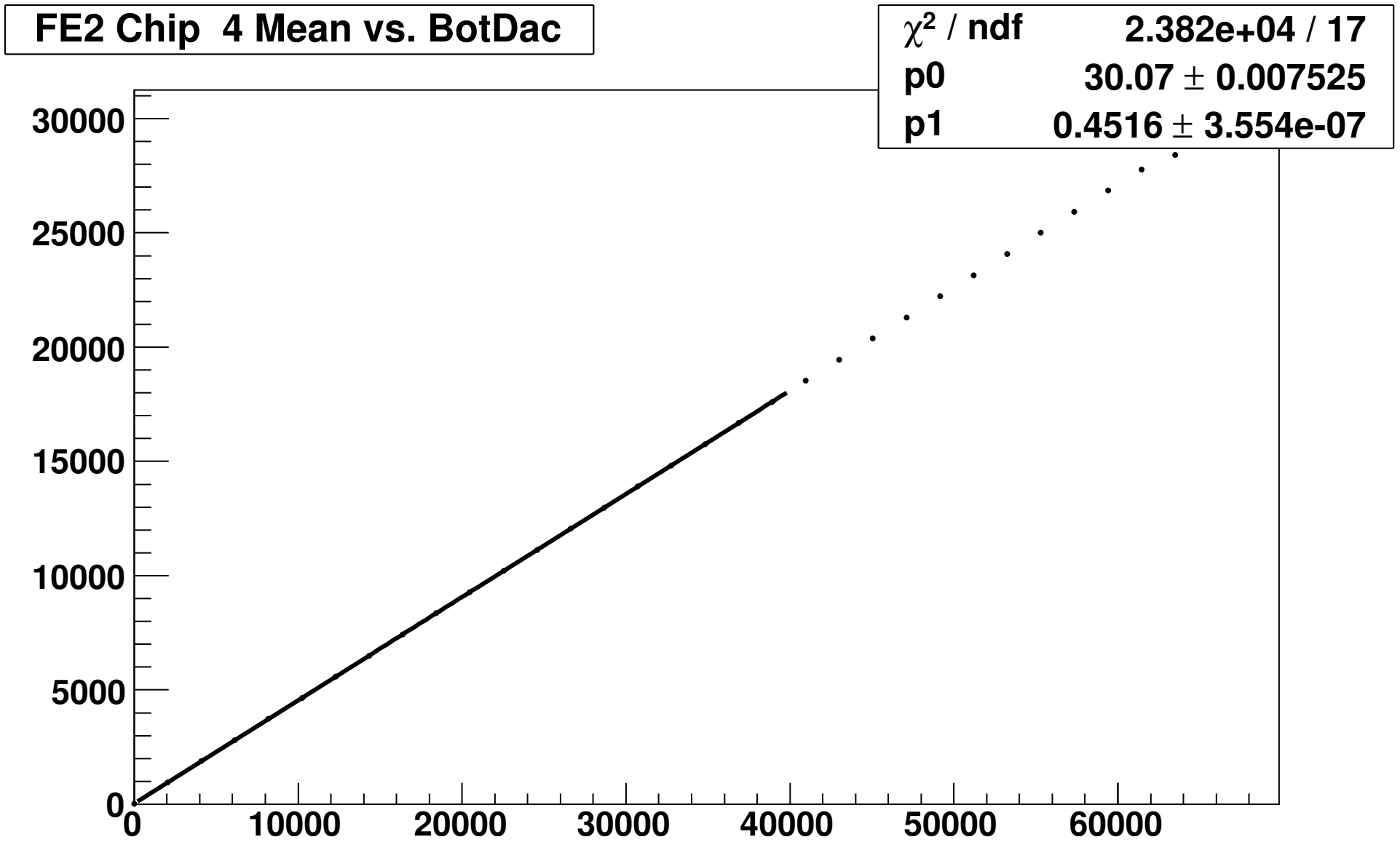

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 8.027 / 17
p0 1.499 ± 0.003959
p1 4.292e-06 ± 1.918e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

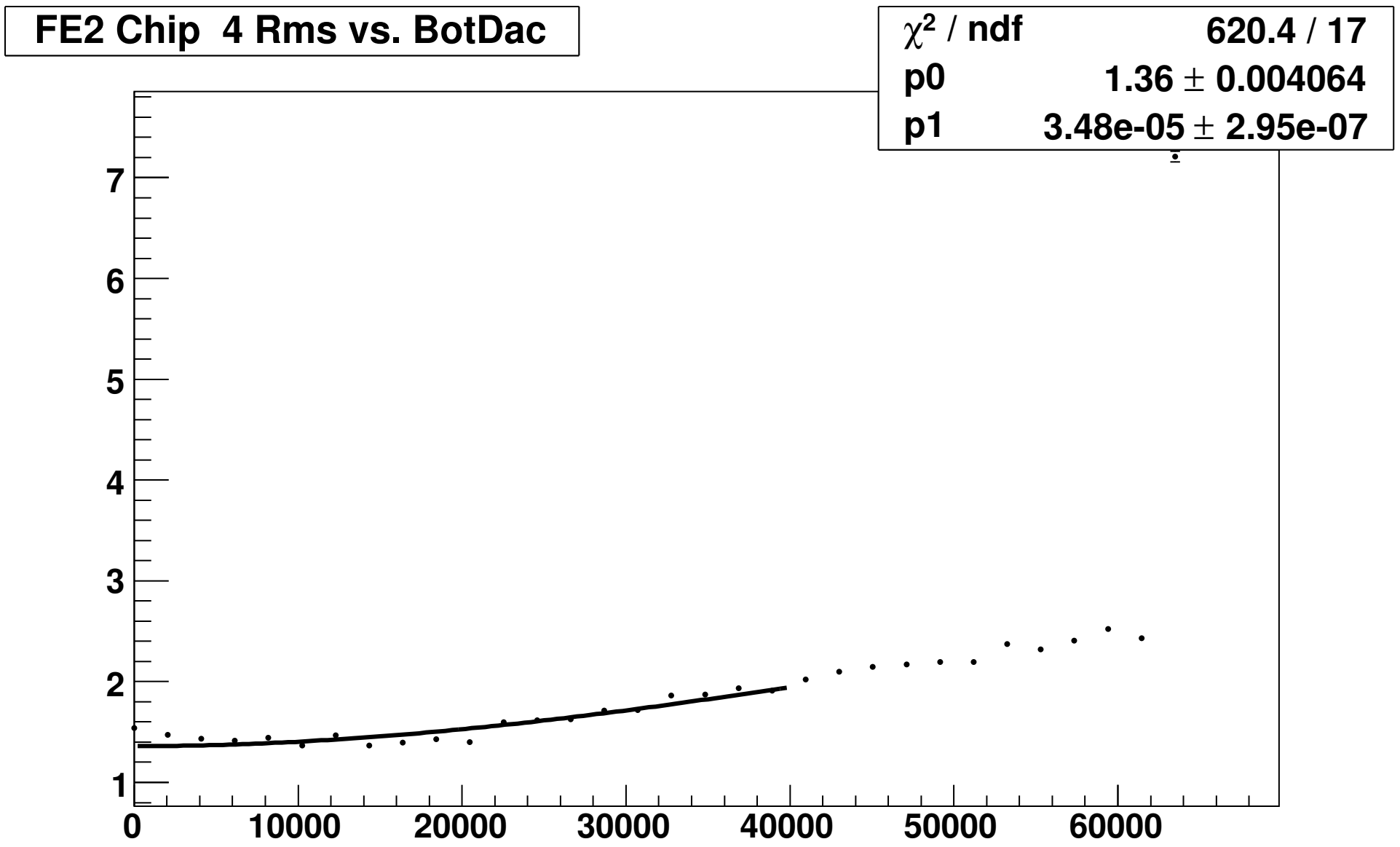

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 2.791e+04 / 17
p0 30.66 ± 0.007959
p1 0.4516 ± 3.716e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

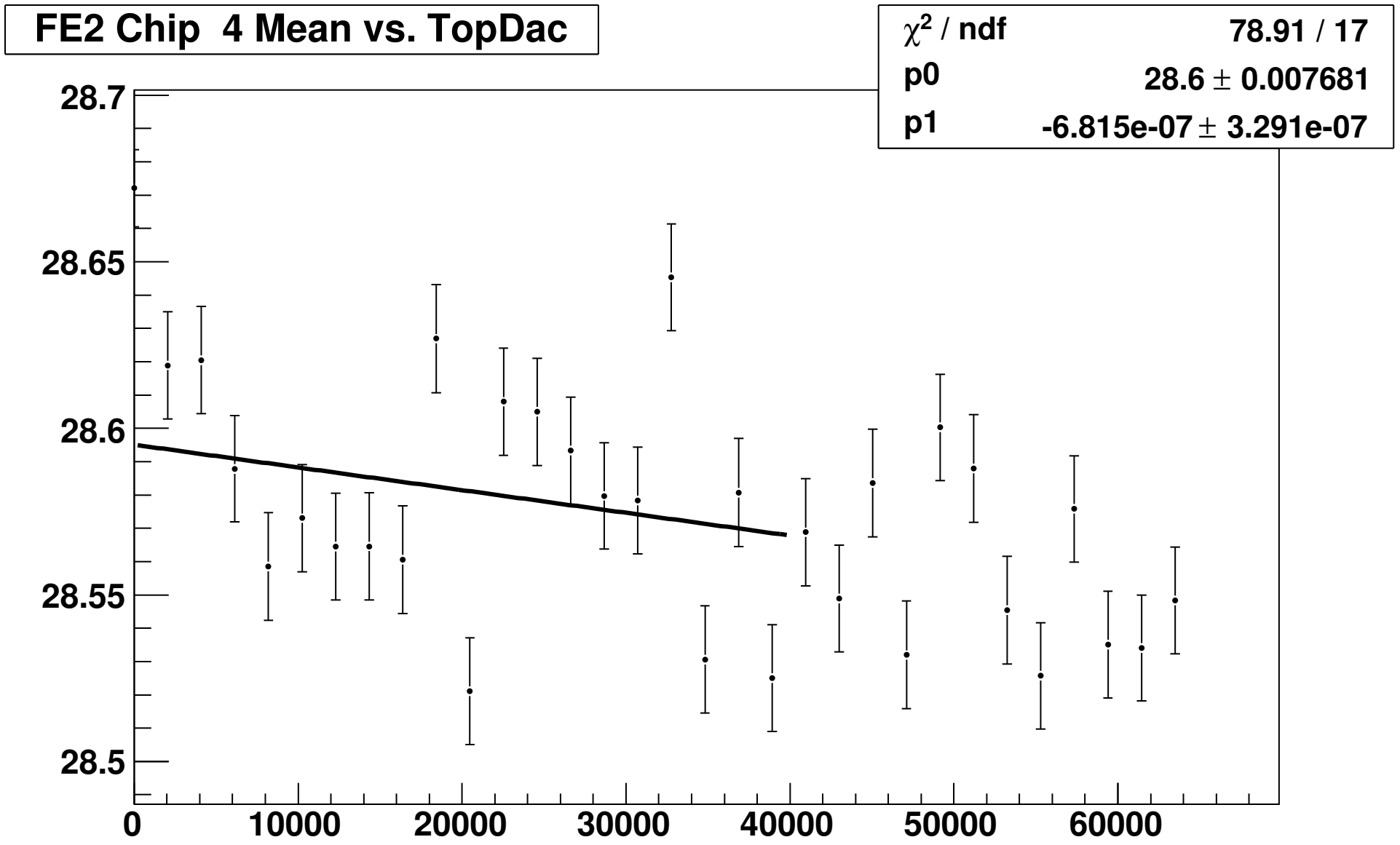

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 404.9 / 17
p0 1.46 ± 0.004289
p1 3.448e-05 ± 3.257e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

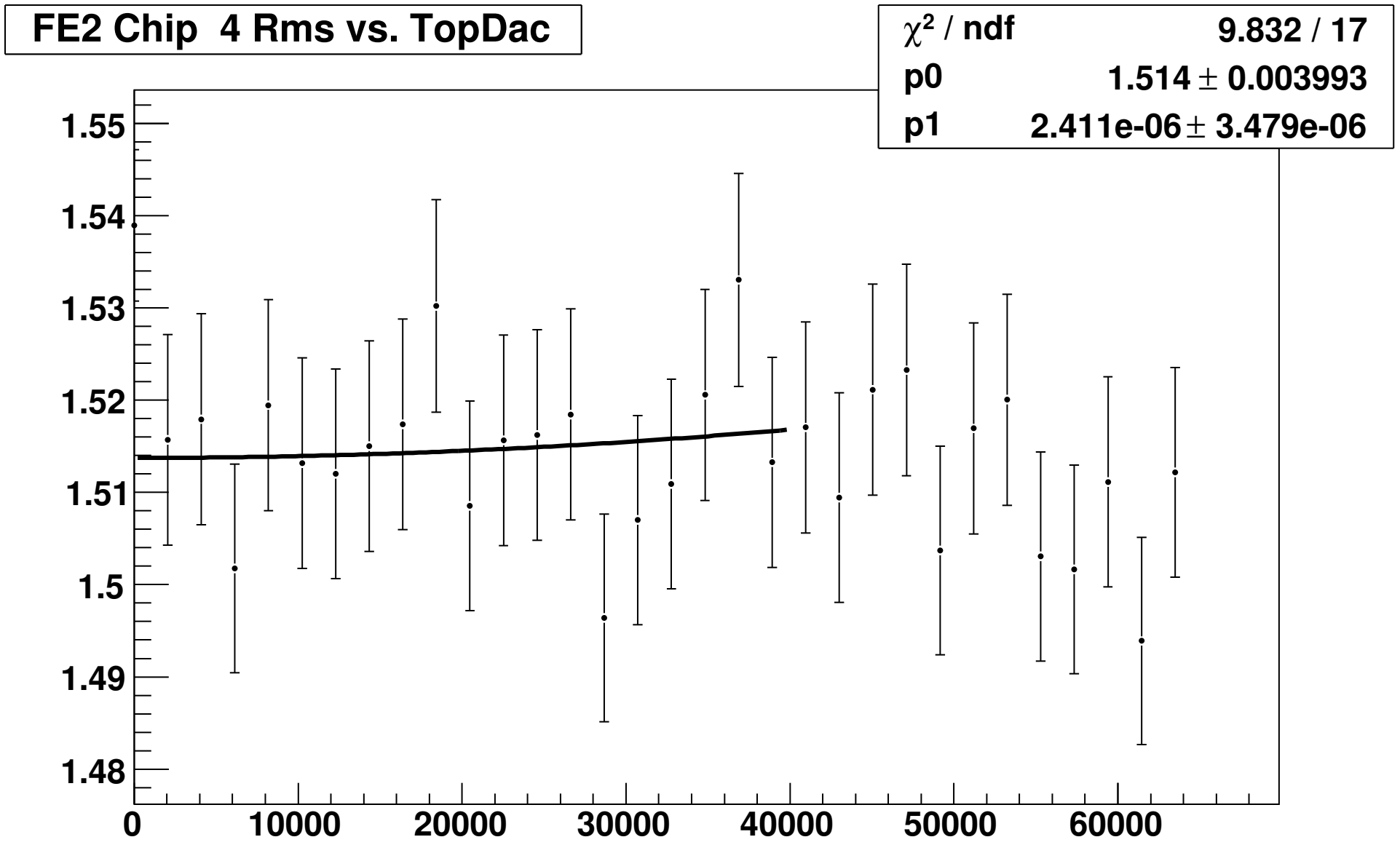

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 104.1 / 17
p0 29.19 ± 0.008158
p1 -2.907e-07 ± 3.497e-07
29.35
29.3
29.25
29.2
29.15
29.1
0
10000
20000
30000
40000
50000
60000

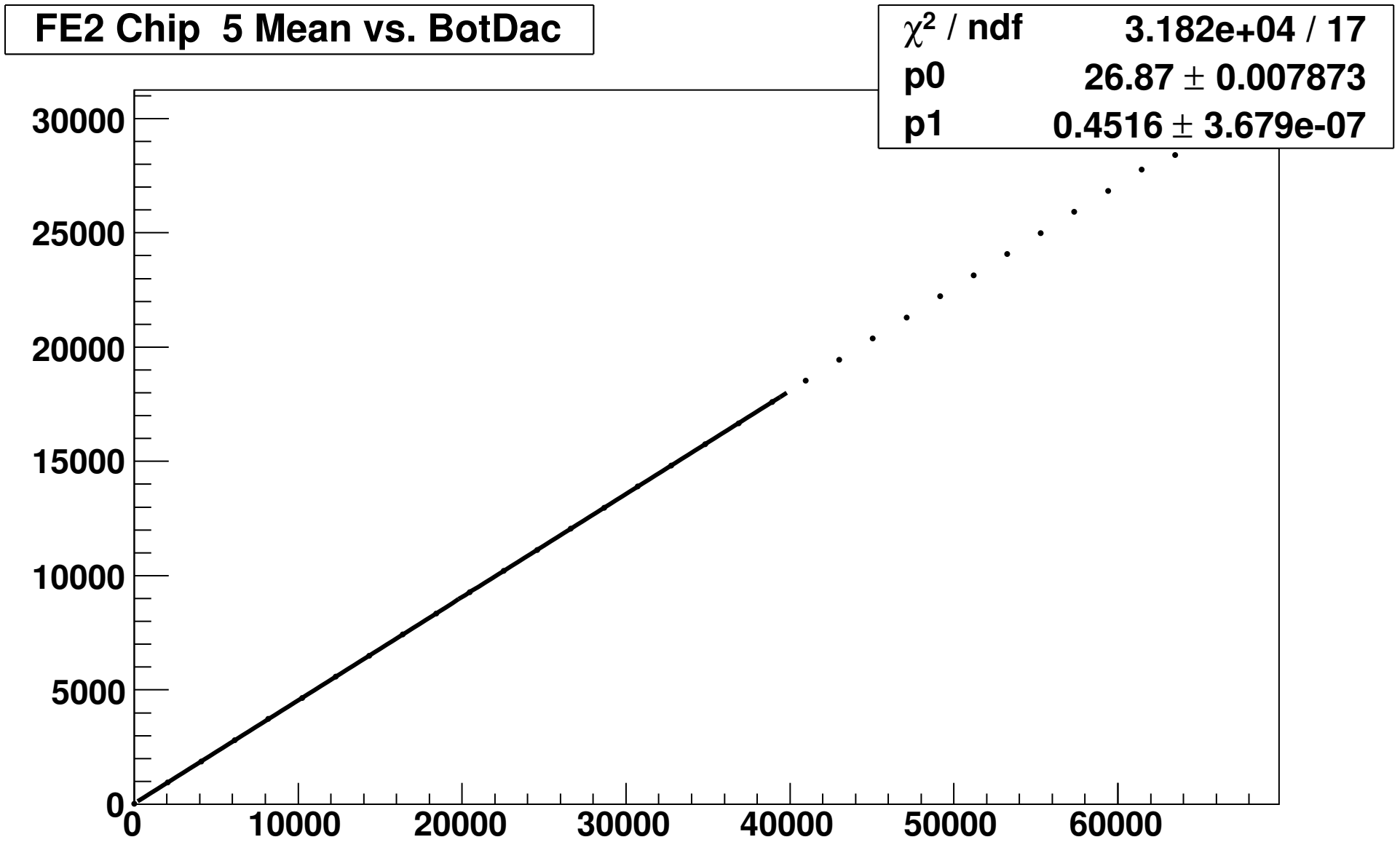

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 27.35 / 17
p0 1.609 ± 0.004259
p1 -3.73e-06 ± 2.545e-06
1.66
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000

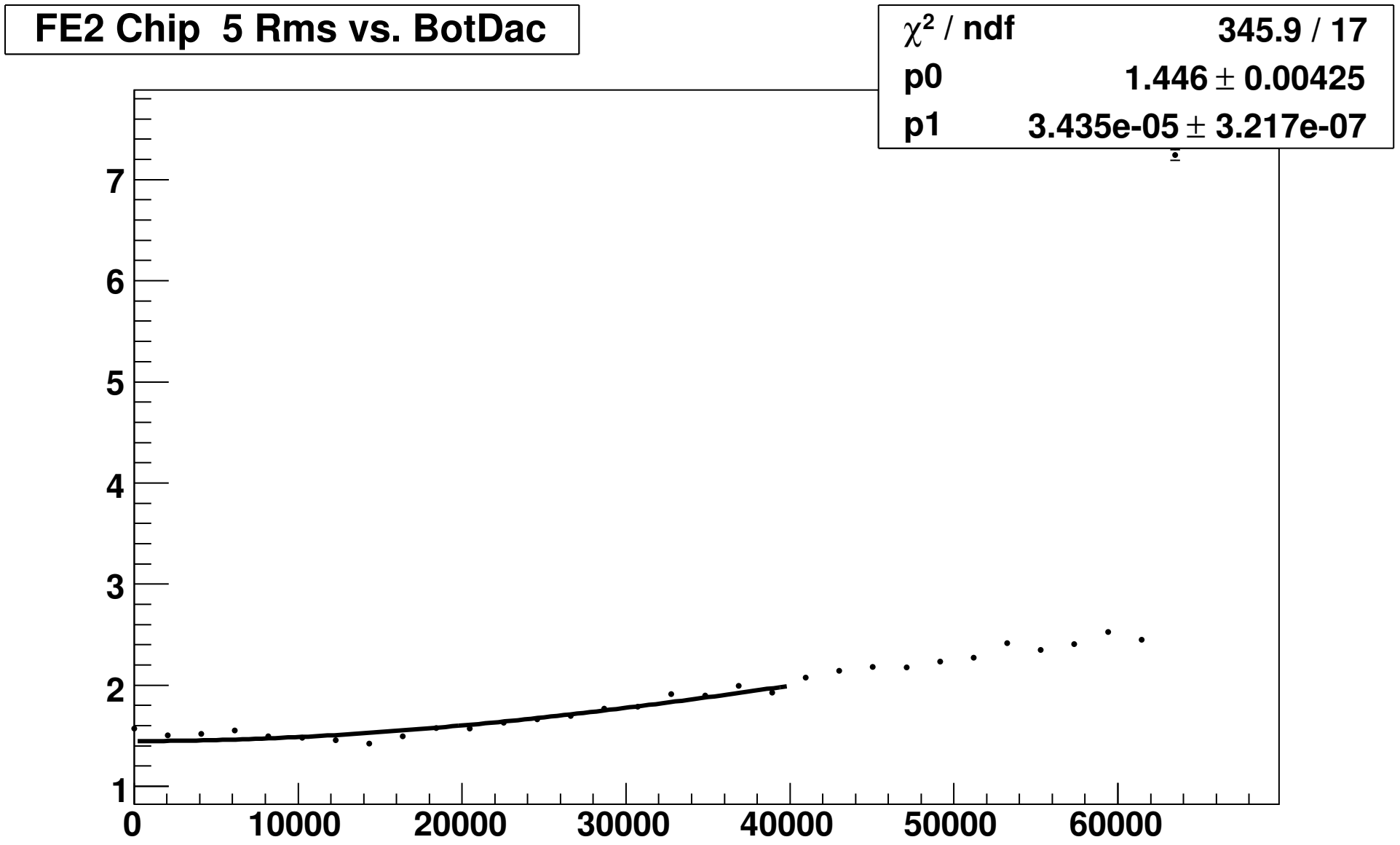

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 2.382e+04 / 17
p0 30.07 ± 0.007525
p1 0.4516 ± 3.554e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

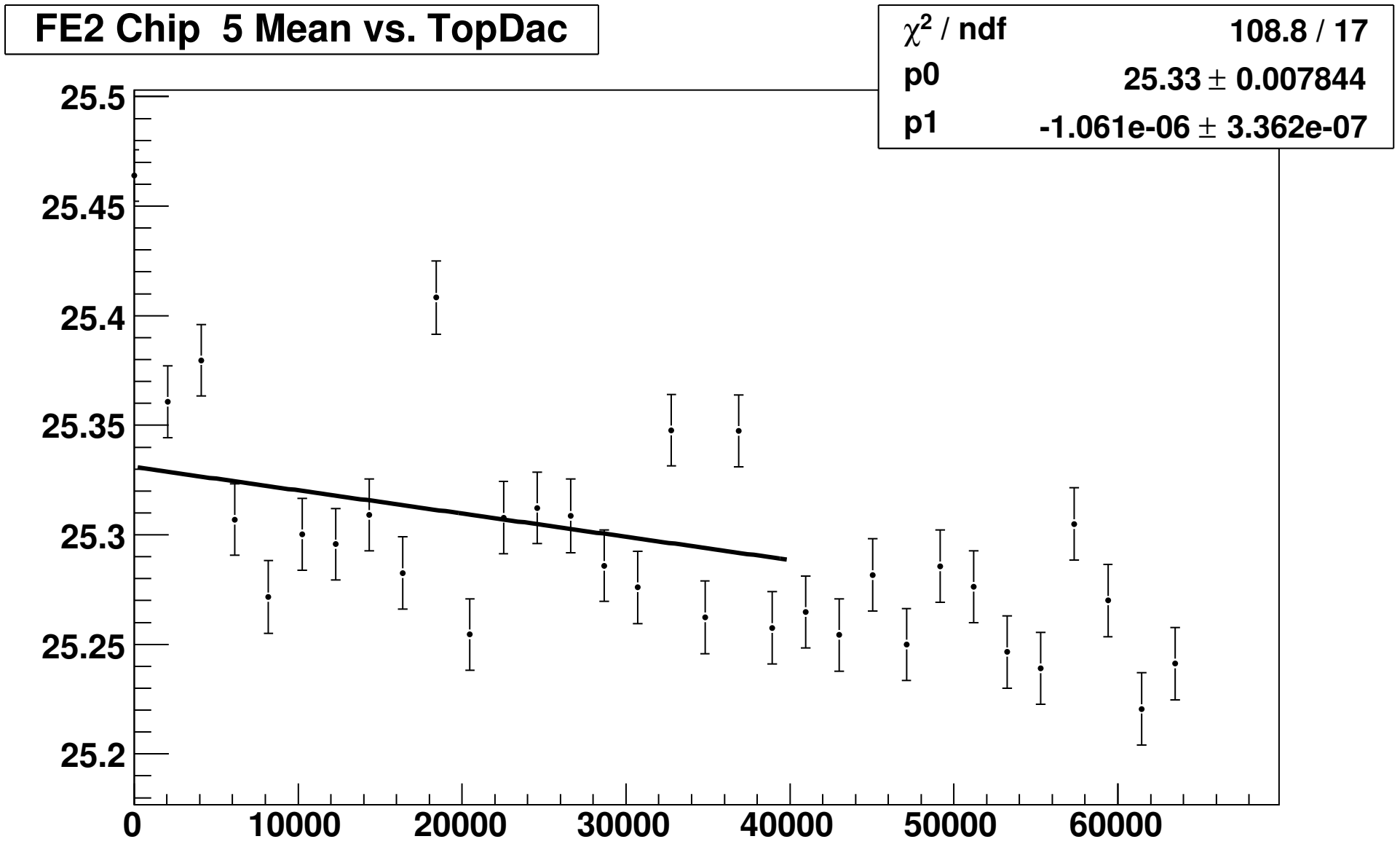

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 620.4 / 17
p0 1.36 ± 0.004064
p1 3.48e-05 ± 2.95e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

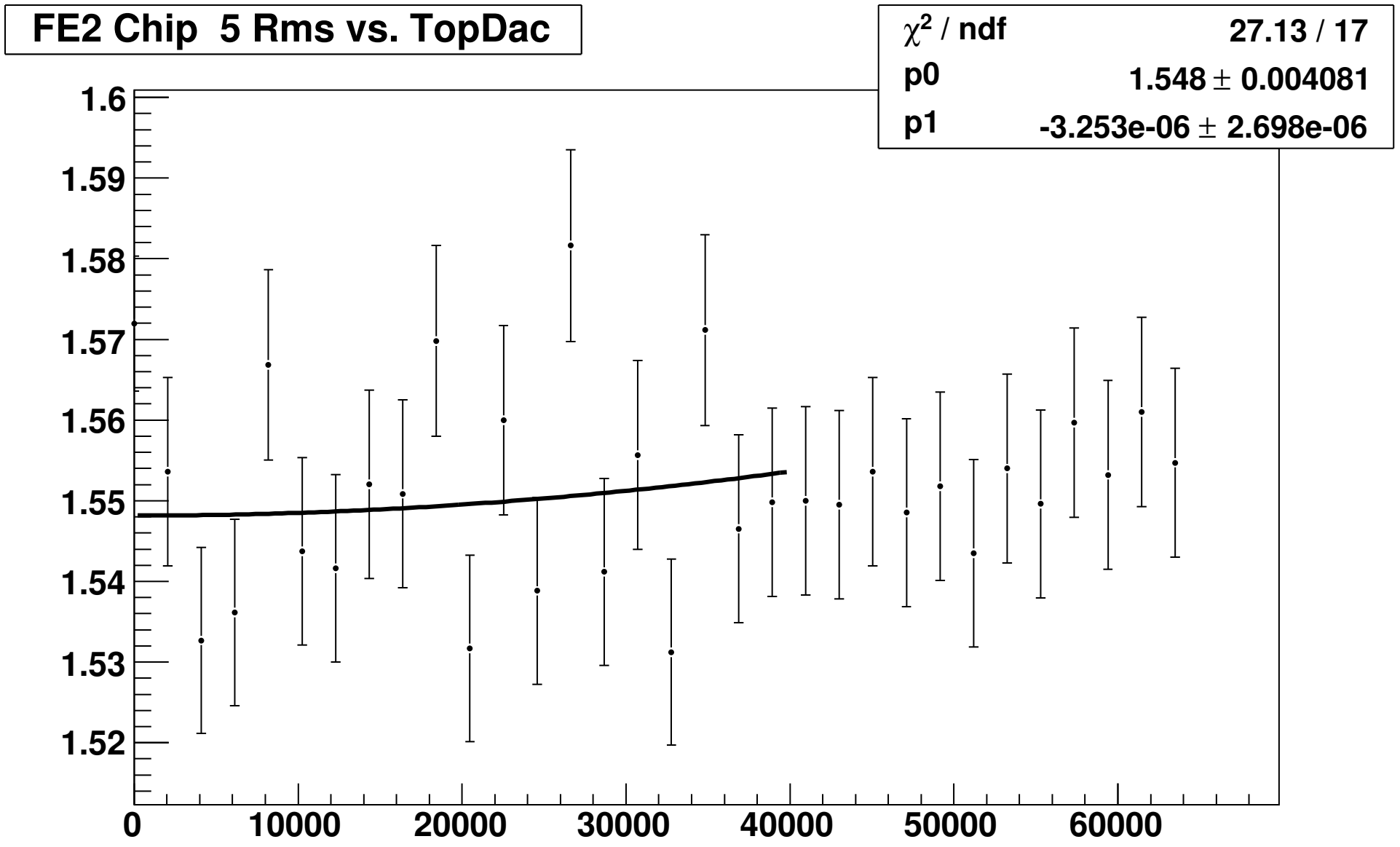

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 78.91 / 17
p0 28.6 ± 0.007681
p1 -6.815e-07 ± 3.291e-07
28.7
28.65
28.6
28.55
28.5
0
10000
20000
30000
40000
50000
60000

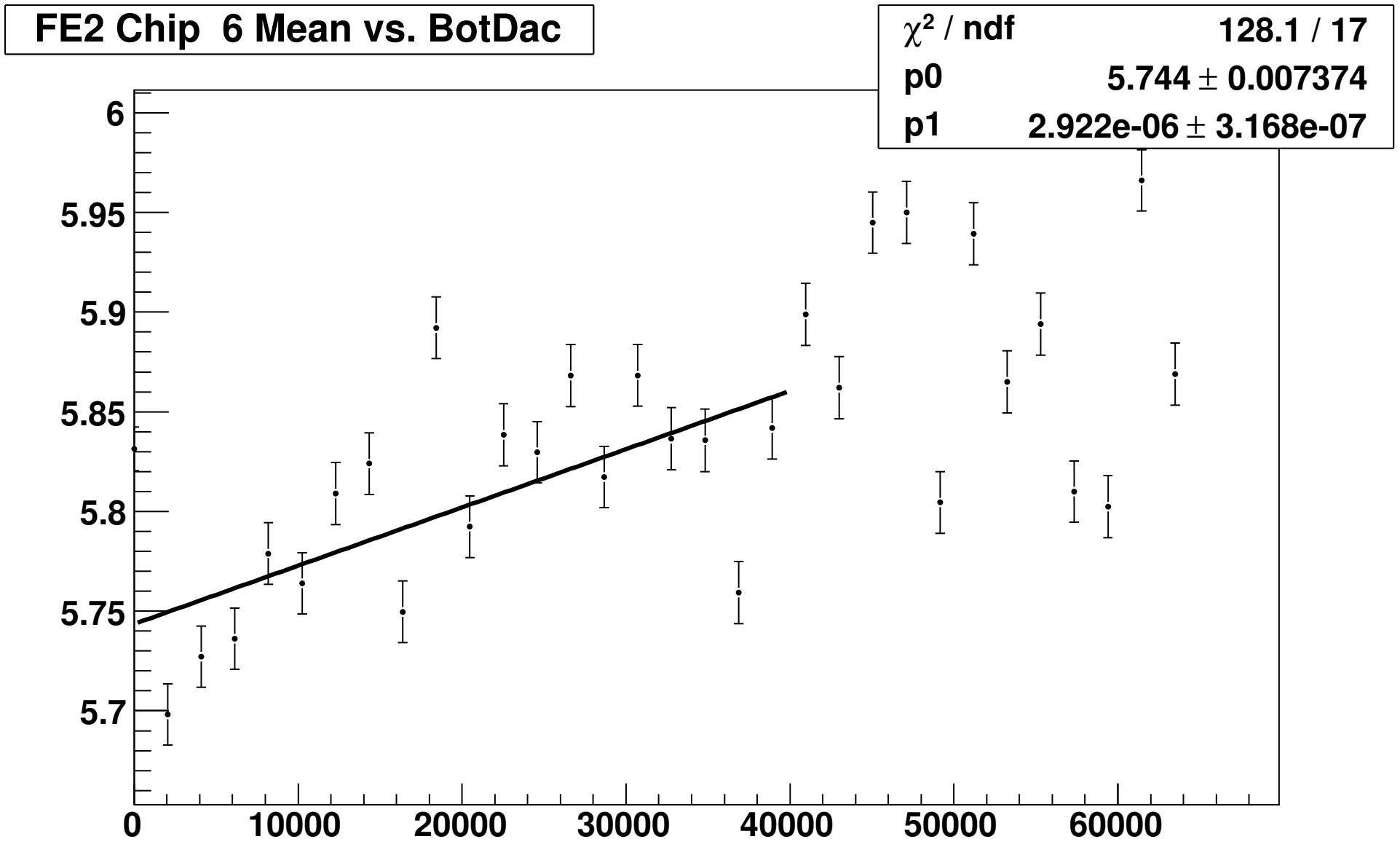

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 9.832 / 17
p0 1.514 ± 0.003993
p1 2.411e-06 ± 3.479e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

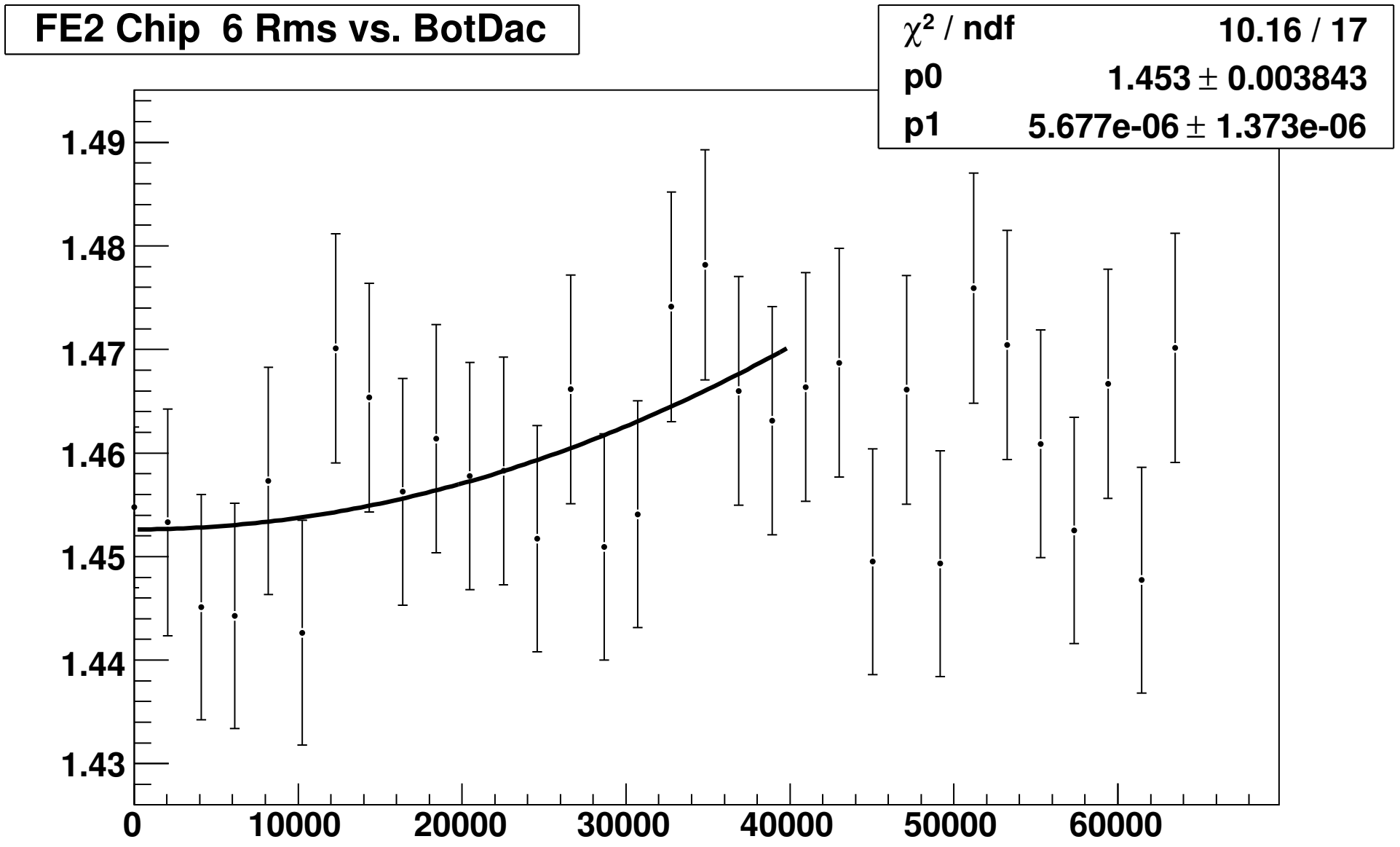

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 3.182e+04 / 17
p0 26.87 ± 0.007873
p1 0.4516 ± 3.679e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

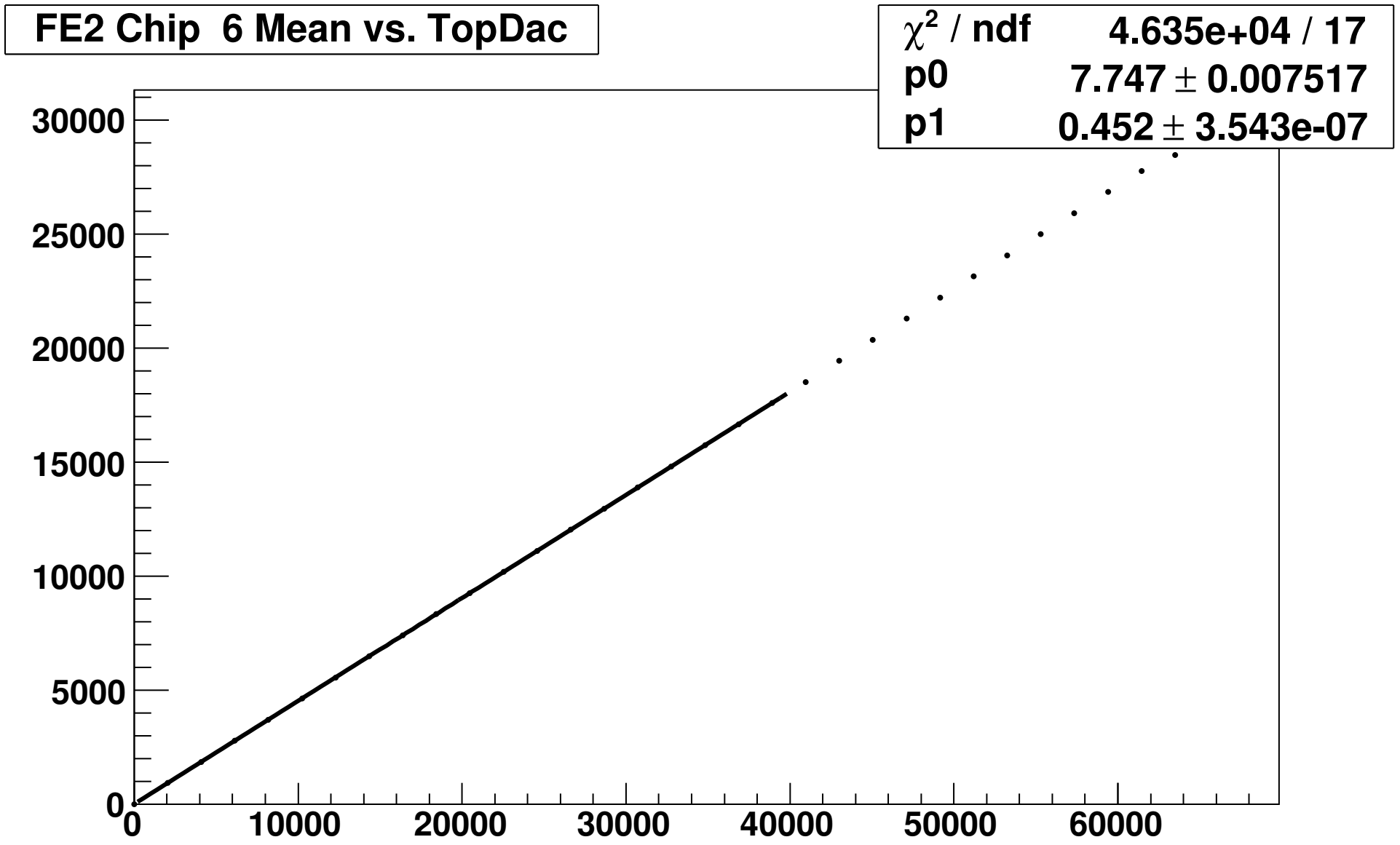

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 345.9 / 17
p0 1.446 ± 0.00425
p1 3.435e-05 ± 3.217e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 108.8 / 17
p0 25.33 ± 0.007844
p1 -1.061e-06 ± 3.362e-07
25.5
25.45
25.4
25.35
25.3
25.25
25.2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 27.13 / 17
p0 1.548 ± 0.004081
p1 -3.253e-06 ± 2.698e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 128.1 / 17
p0 5.744 ± 0.007374
p1 2.922e-06 ± 3.168e-07
6
5.95
5.9
5.85
5.8
5.75
5.7
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 10.16 / 17
p0 1.453 ± 0.003843
p1 5.677e-06 ± 1.373e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 4.635e+04 / 17
p0 7.747 ± 0.007517
p1 0.452 ± 3.543e-07
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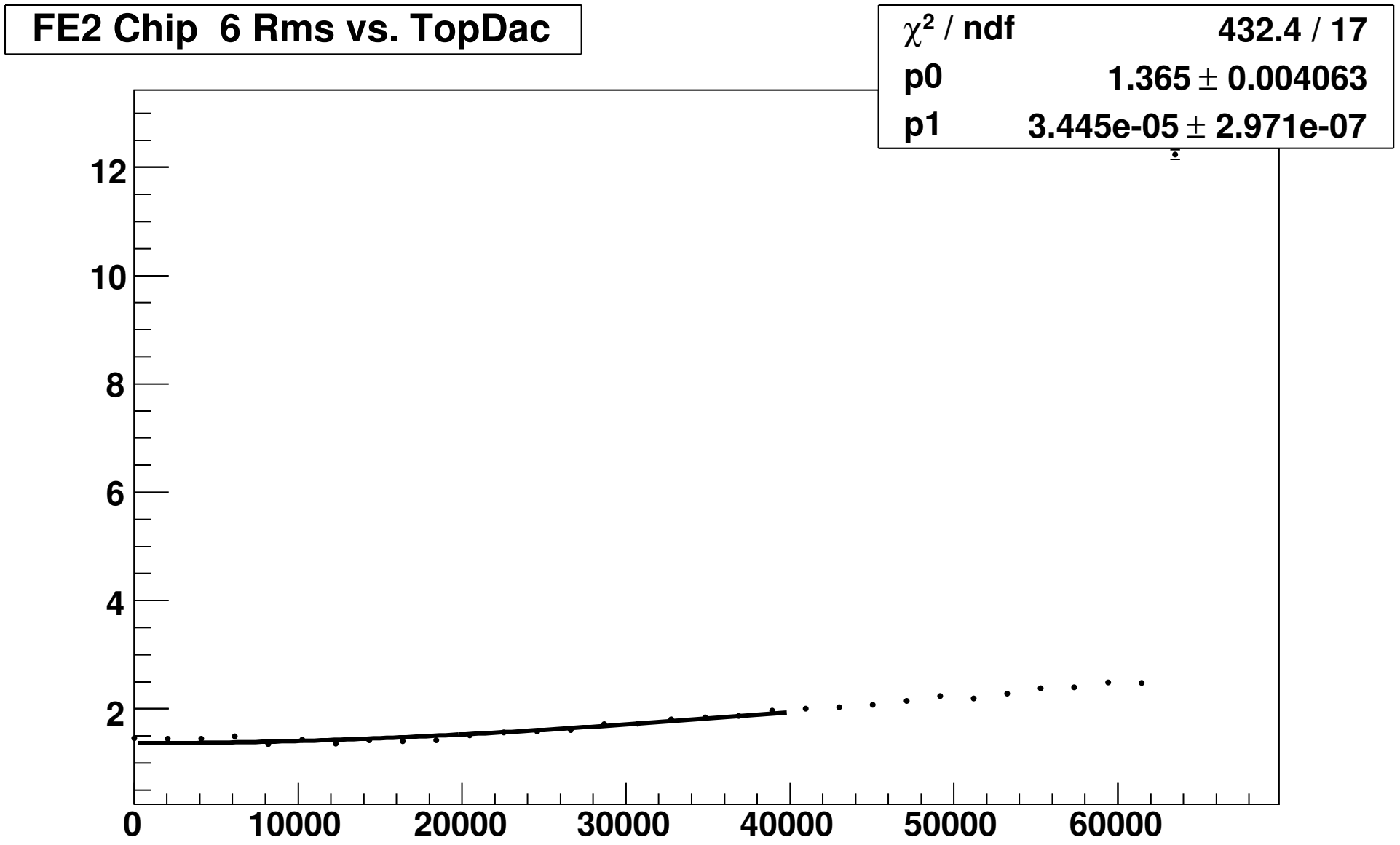
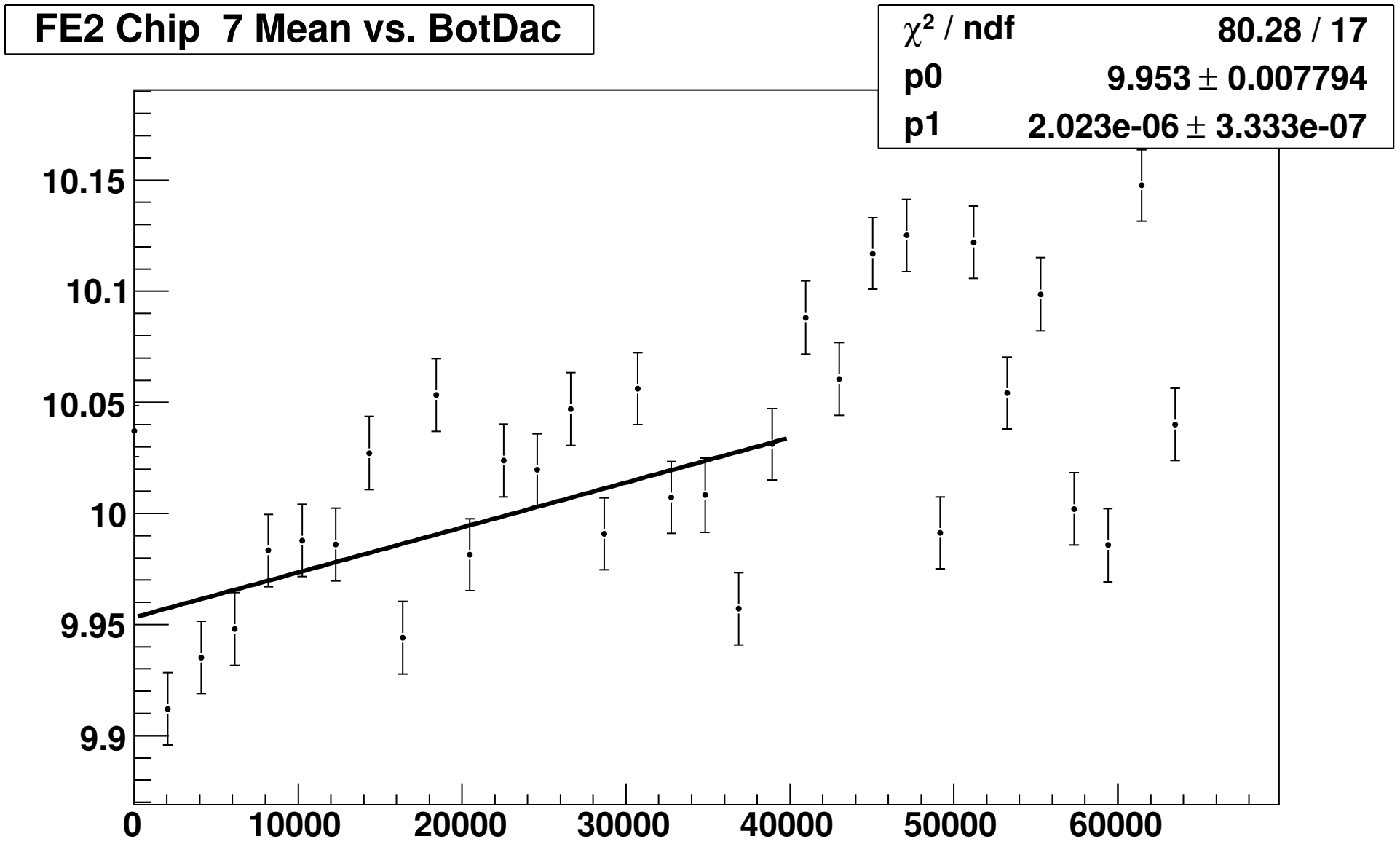
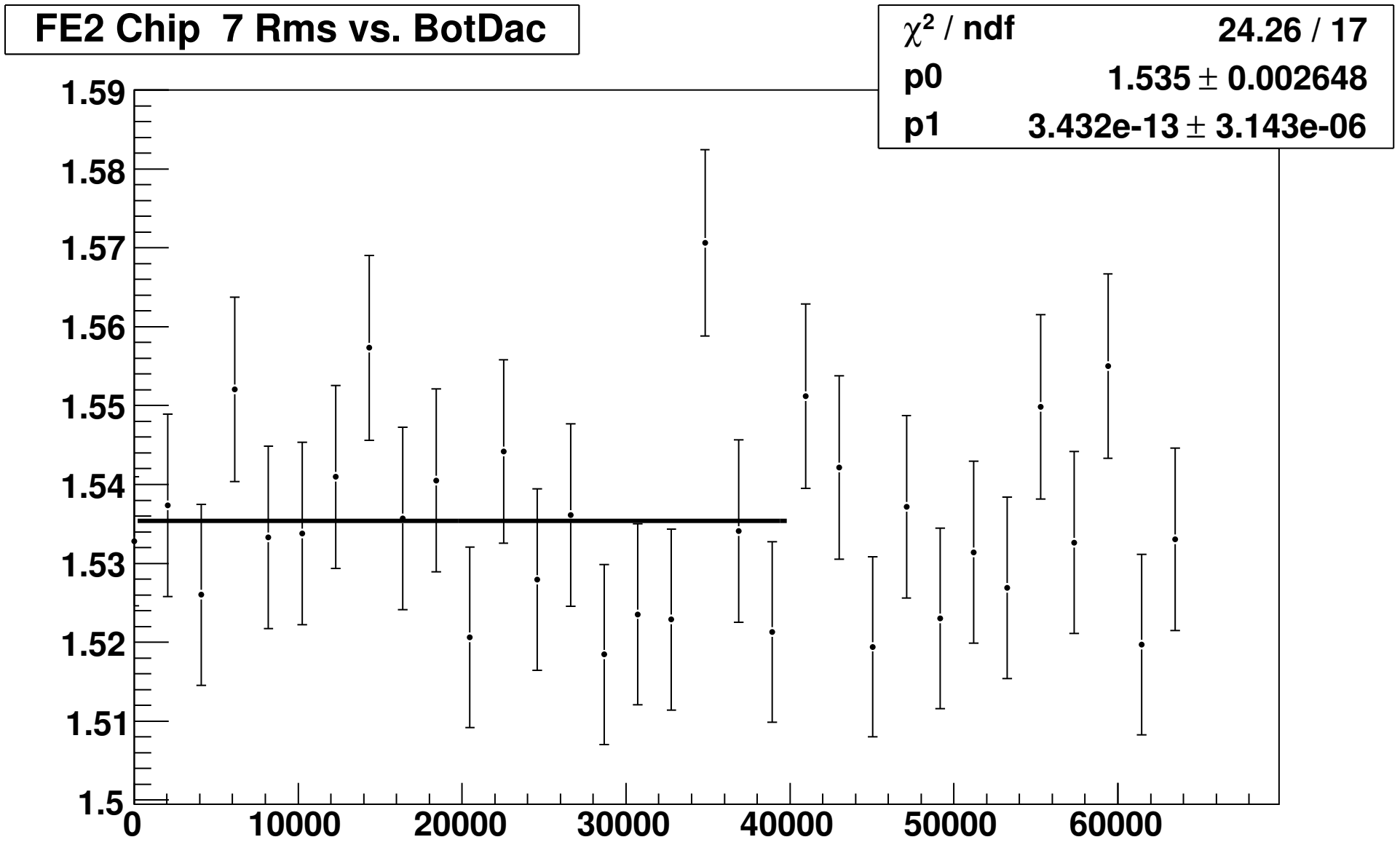
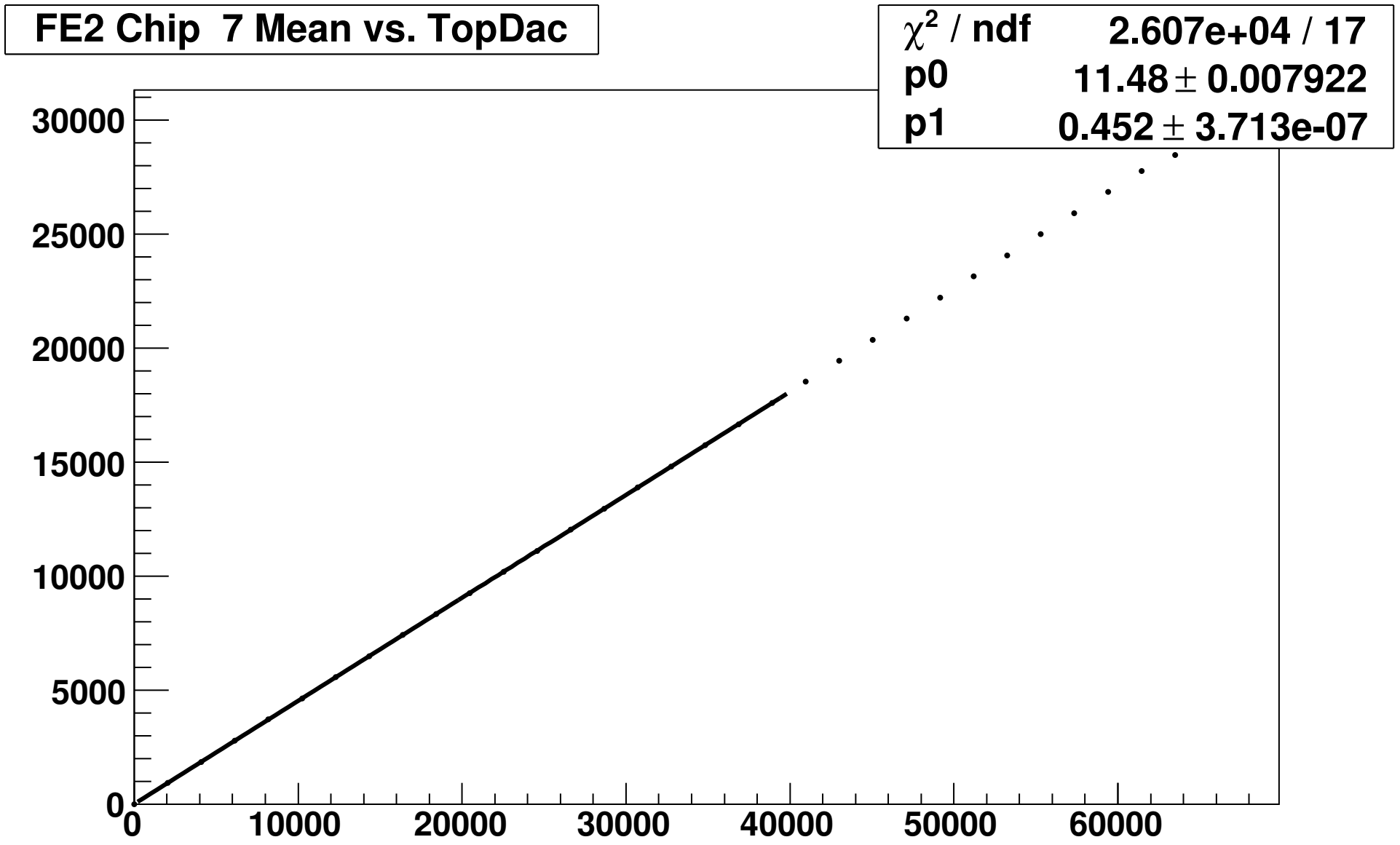
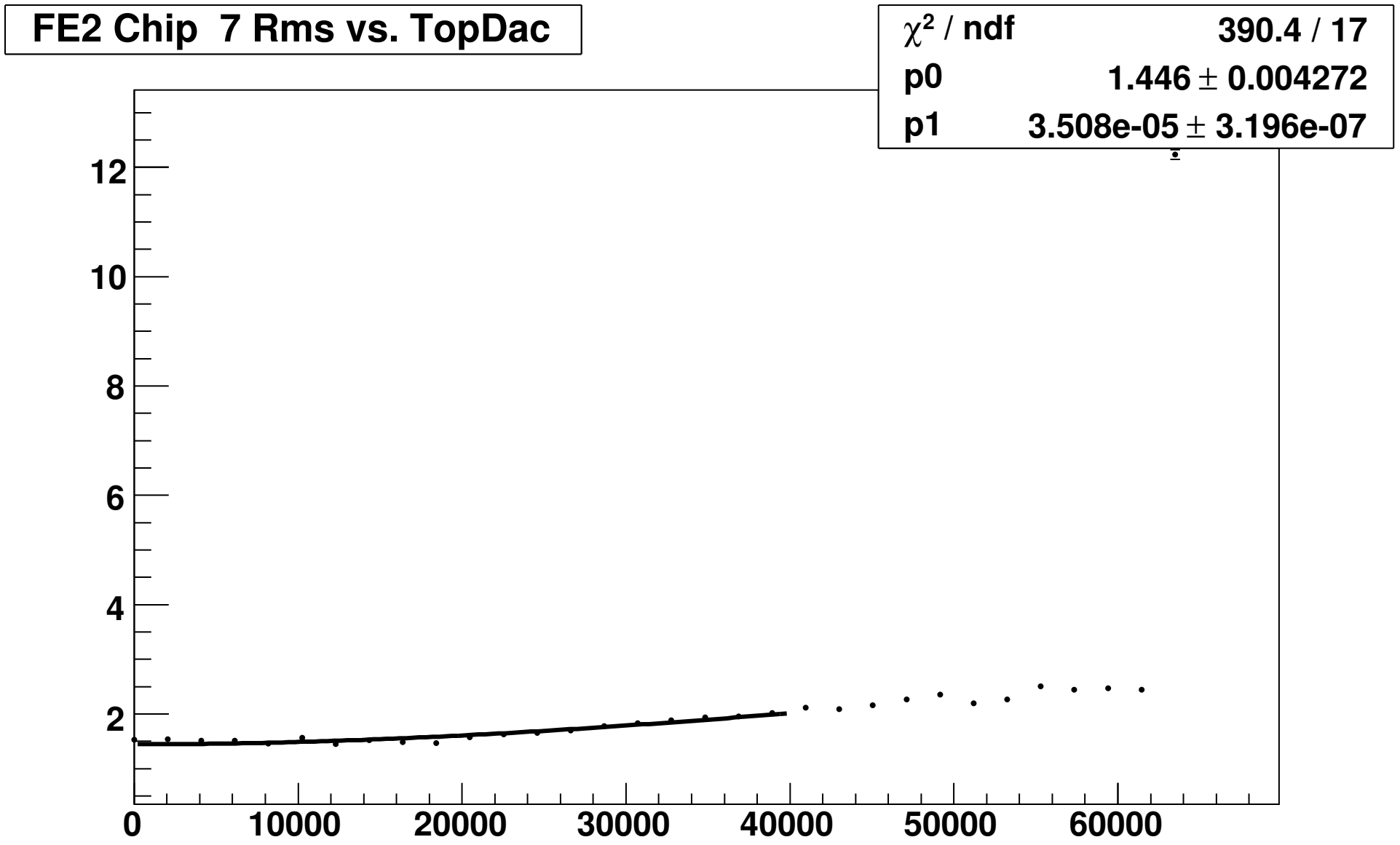
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

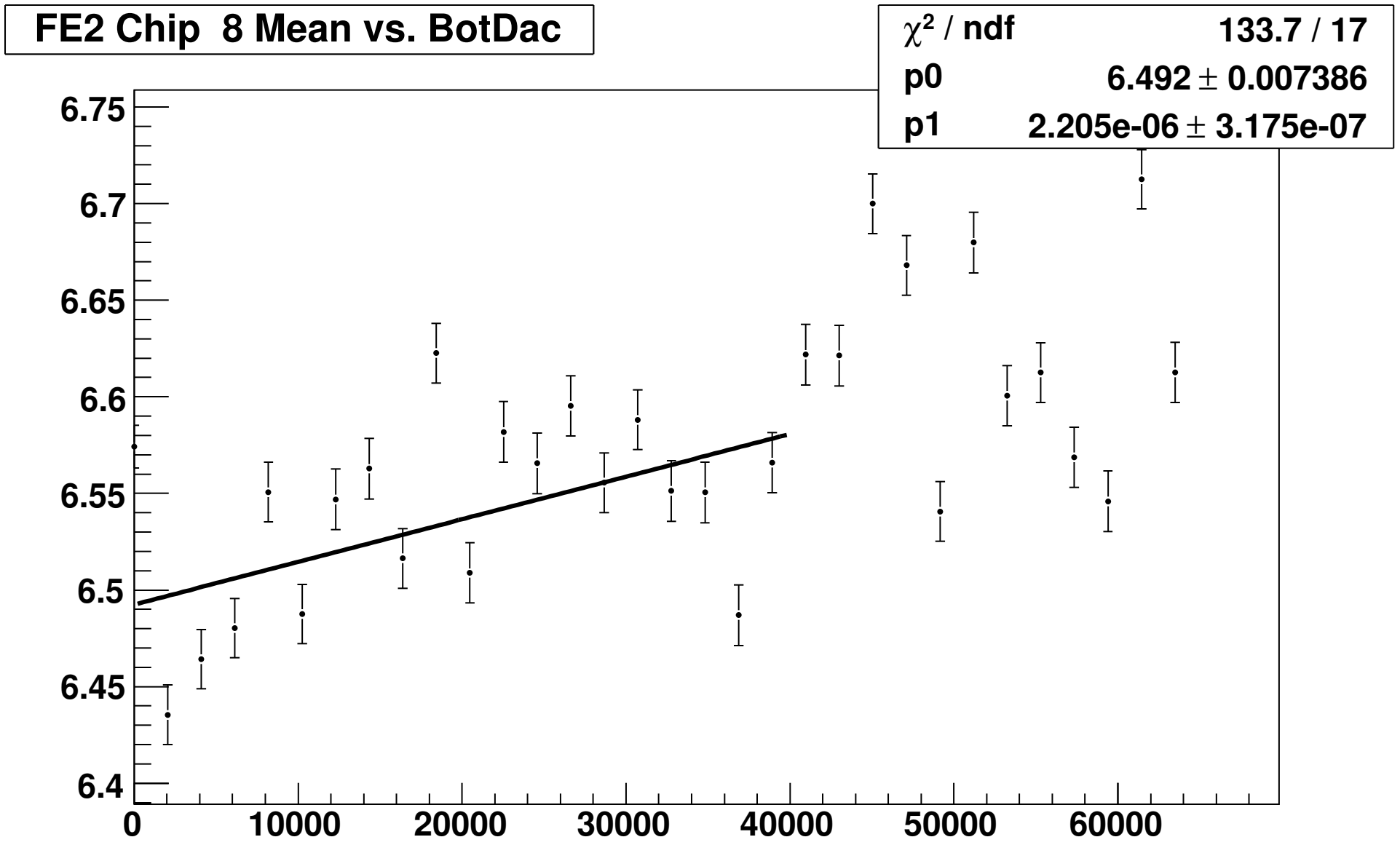

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 432.4 / 17
p0 1.365 ± 0.004063
p1 3.445e-05 ± 2.971e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

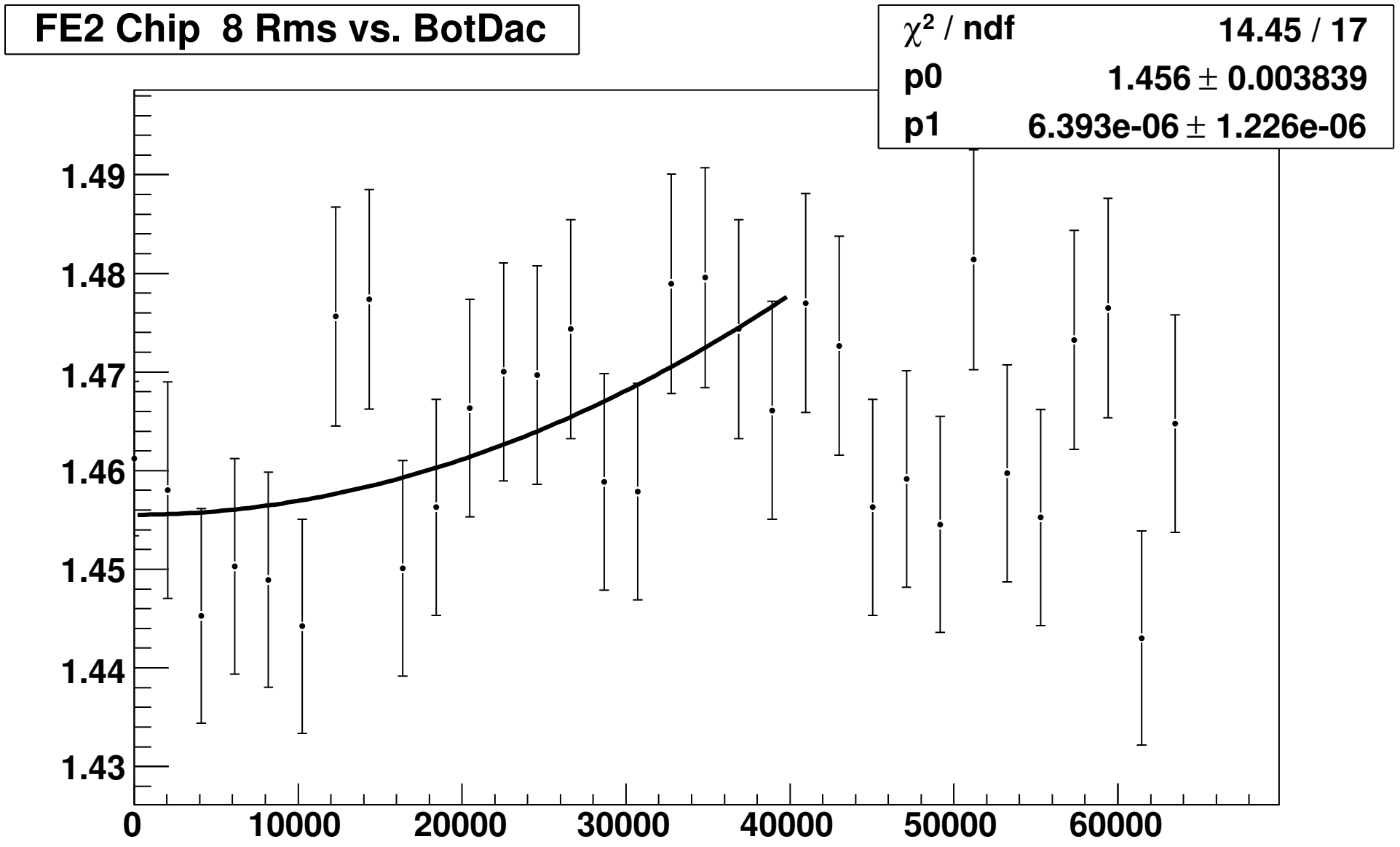

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 80.28 / 17
p0 9.953 ± 0.007794
p1 2.023e-06 ± 3.333e-07
10.15
10.1
10.05
10
9.95
9.9
0
10000
20000
30000
40000
50000
60000

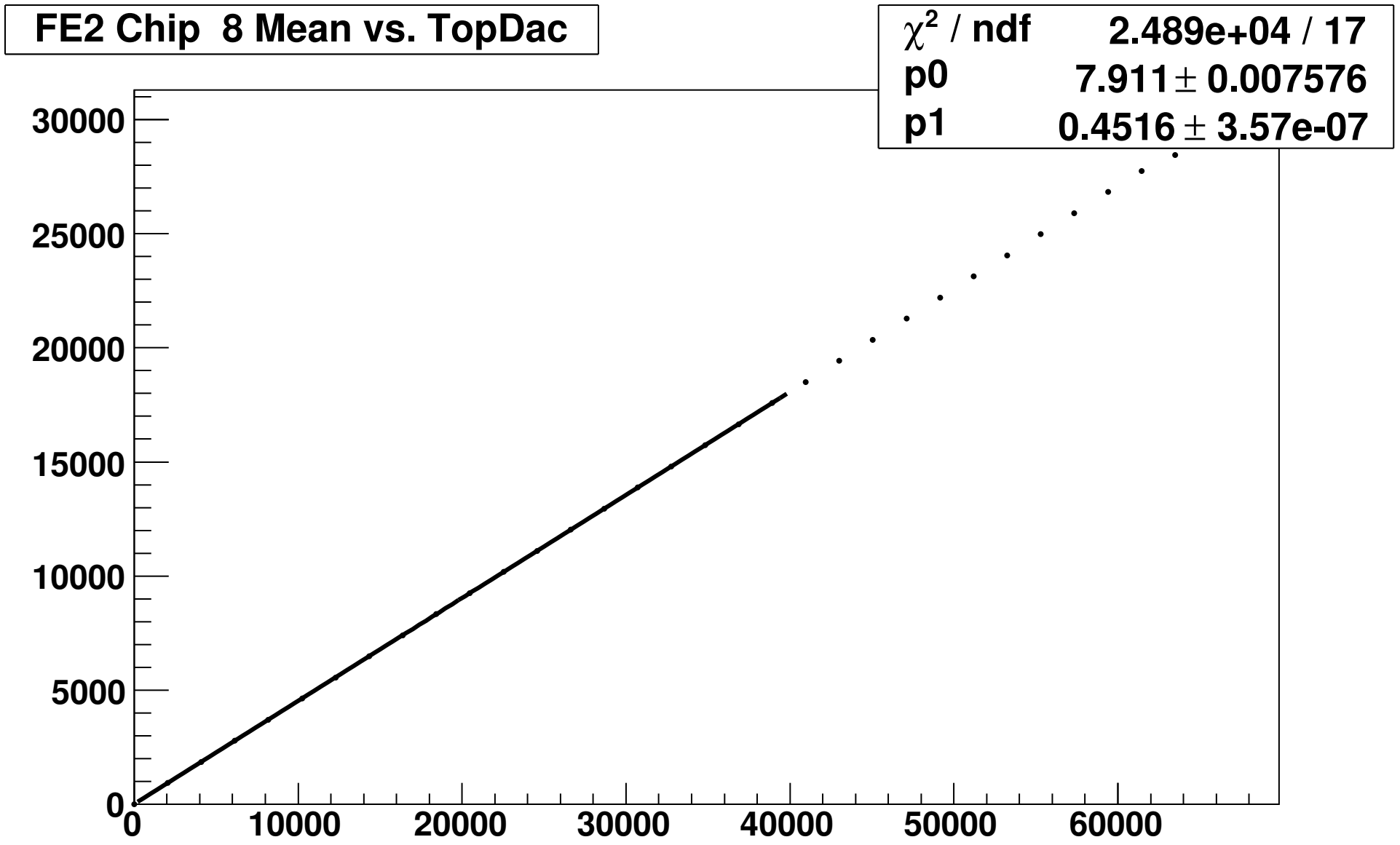

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 24.26 / 17
p0 1.535 ± 0.002648
p1 3.432e-13 ± 3.143e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

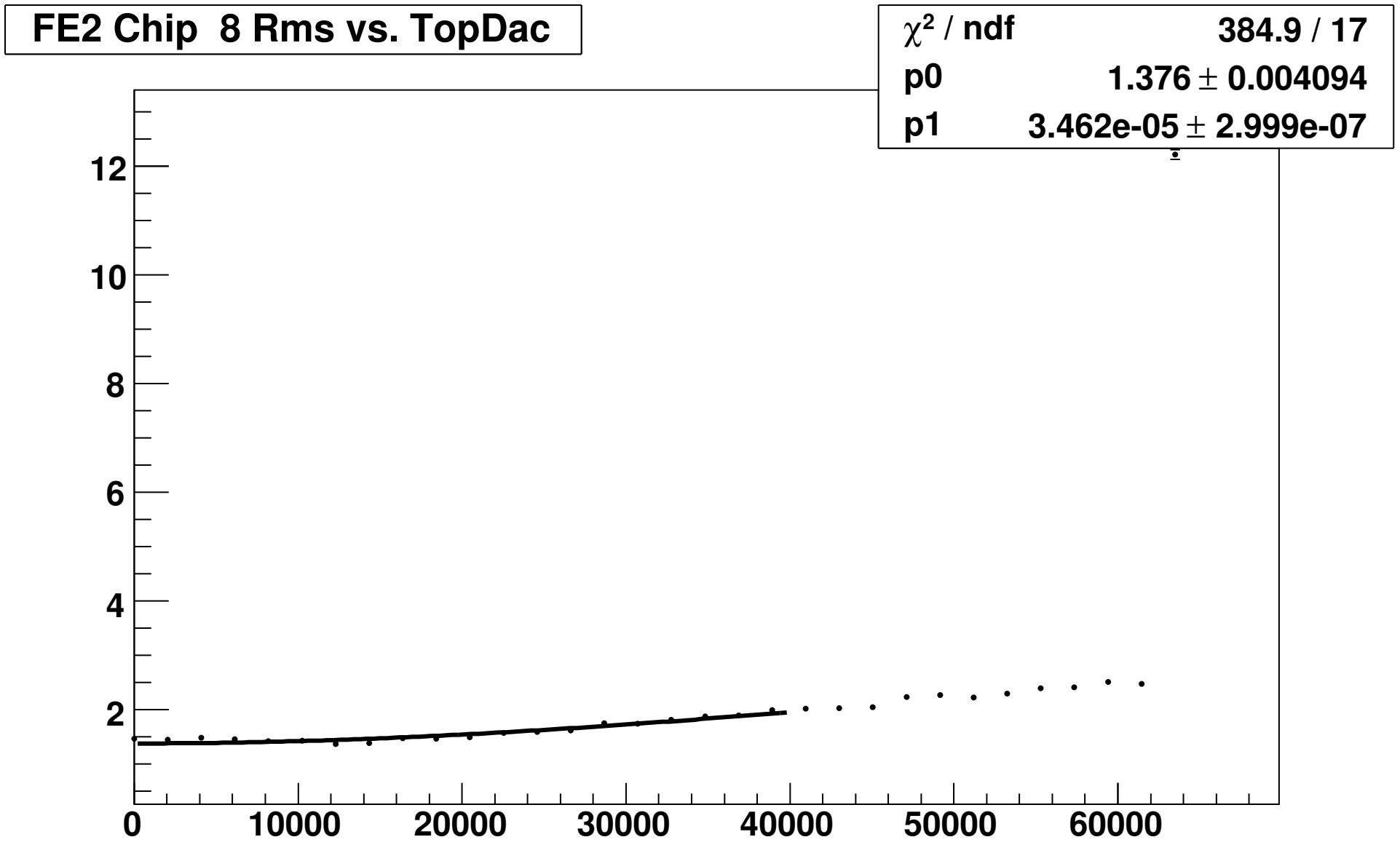

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 2.607e+04 / 17
p0 11.48 ± 0.007922
p1 0.452 ± 3.713e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

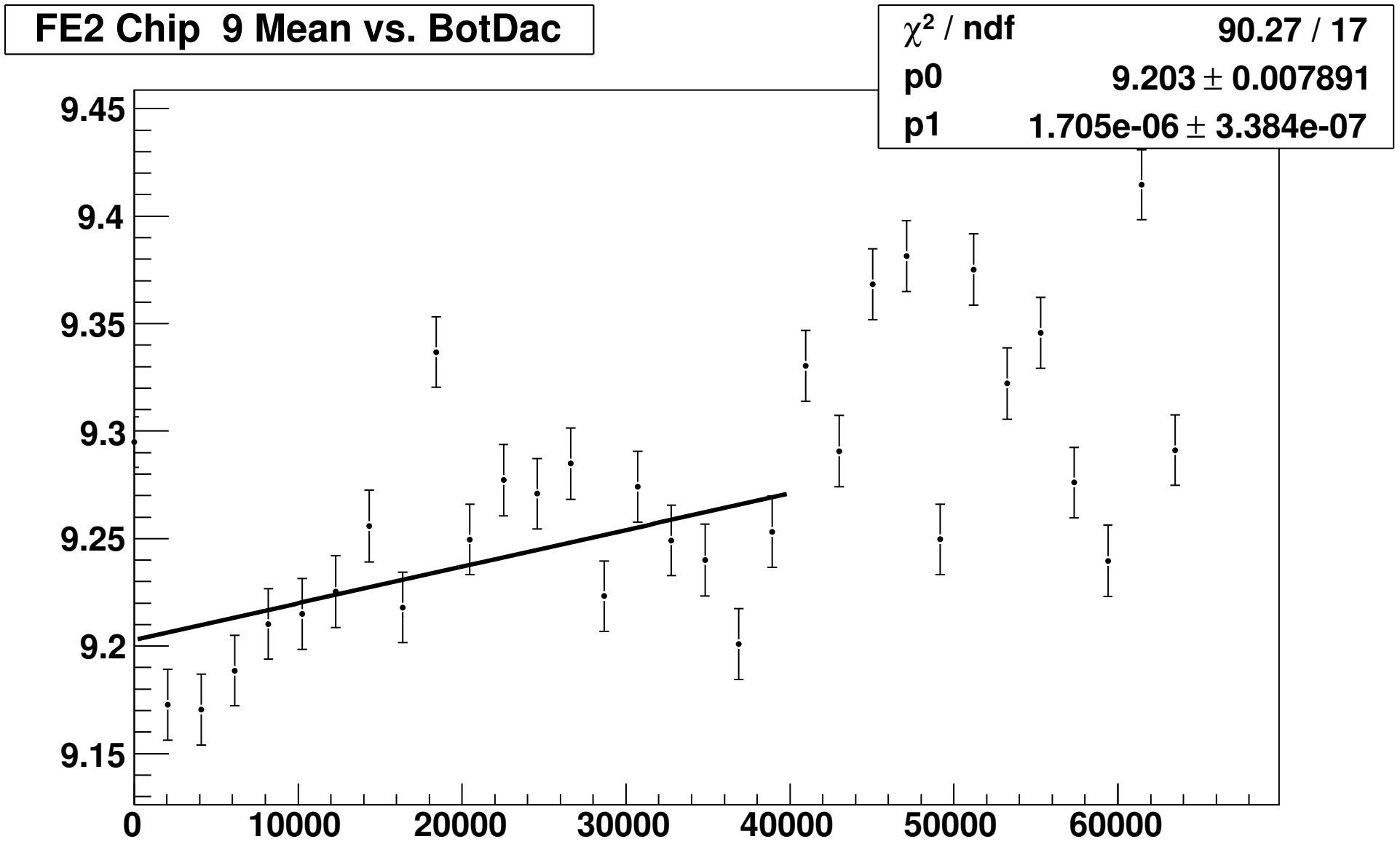

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 390.4 / 17
p0 1.446 ± 0.004272
p1 3.508e-05 ± 3.196e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

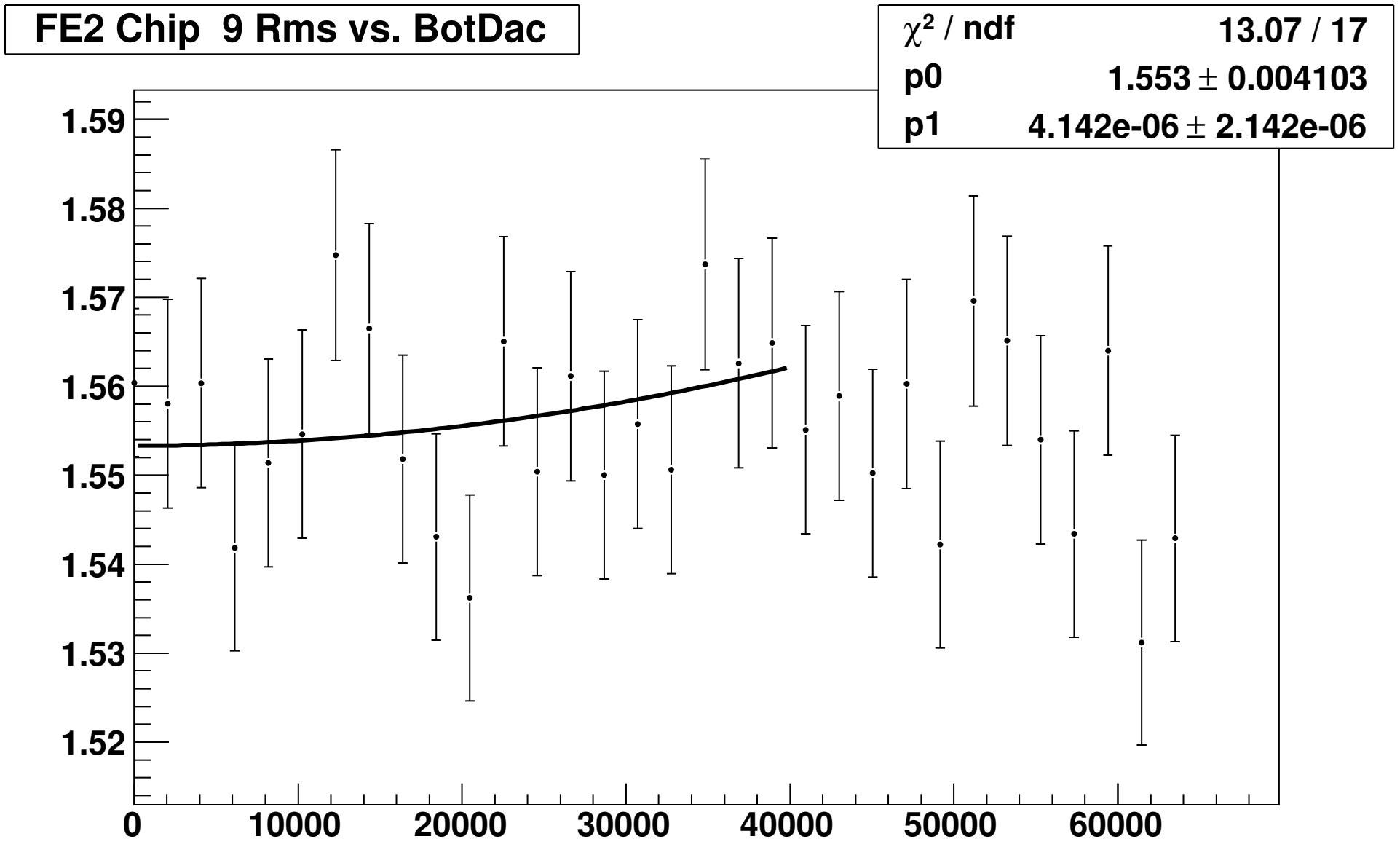

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 133.7 / 17
p0 6.492 ± 0.007386
p1 2.205e-06 ± 3.175e-07
6.75
6.7
6.65
6.6
6.55
6.5
6.45
6.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 14.45 / 17
p0 1.456 ± 0.003839
p1 6.393e-06 ± 1.226e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 2.489e+04 / 17
p0 7.911 ± 0.007576
p1 0.4516 ± 3.57e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 384.9 / 17
p0 1.376 ± 0.004094
p1 3.462e-05 ± 2.999e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 90.27 / 17
p0 9.203 ± 0.007891
p1 1.705e-06 ± 3.384e-07
9.45
9.4
9.35
9.3
9.25
9.2
9.15
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 13.07 / 17
p0 1.553 ± 0.004103
p1 4.142e-06 ± 2.142e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
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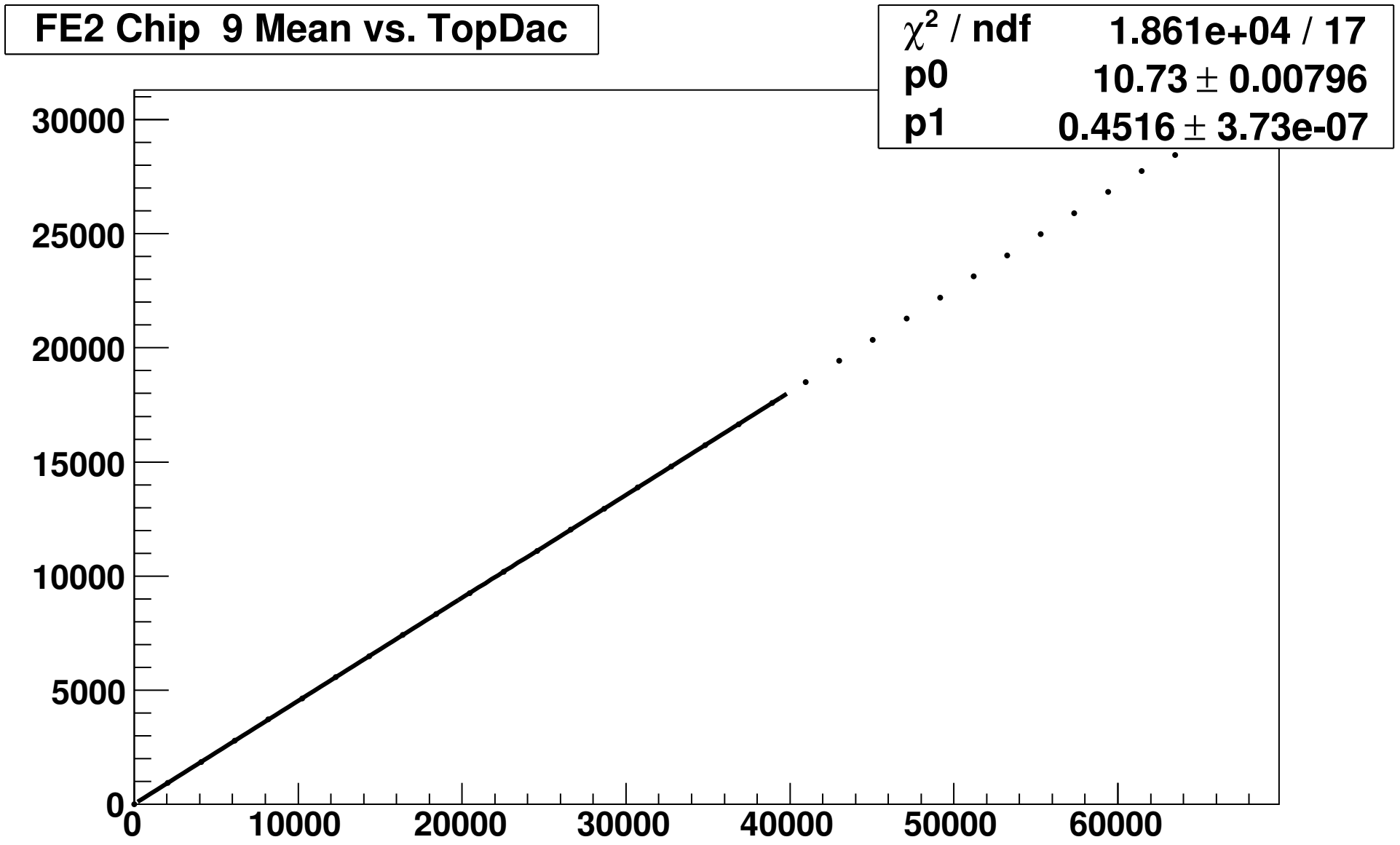
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.861e+04 / 17
p0 10.73 ± 0.00796
p1 0.4516 ± 3.73e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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50000
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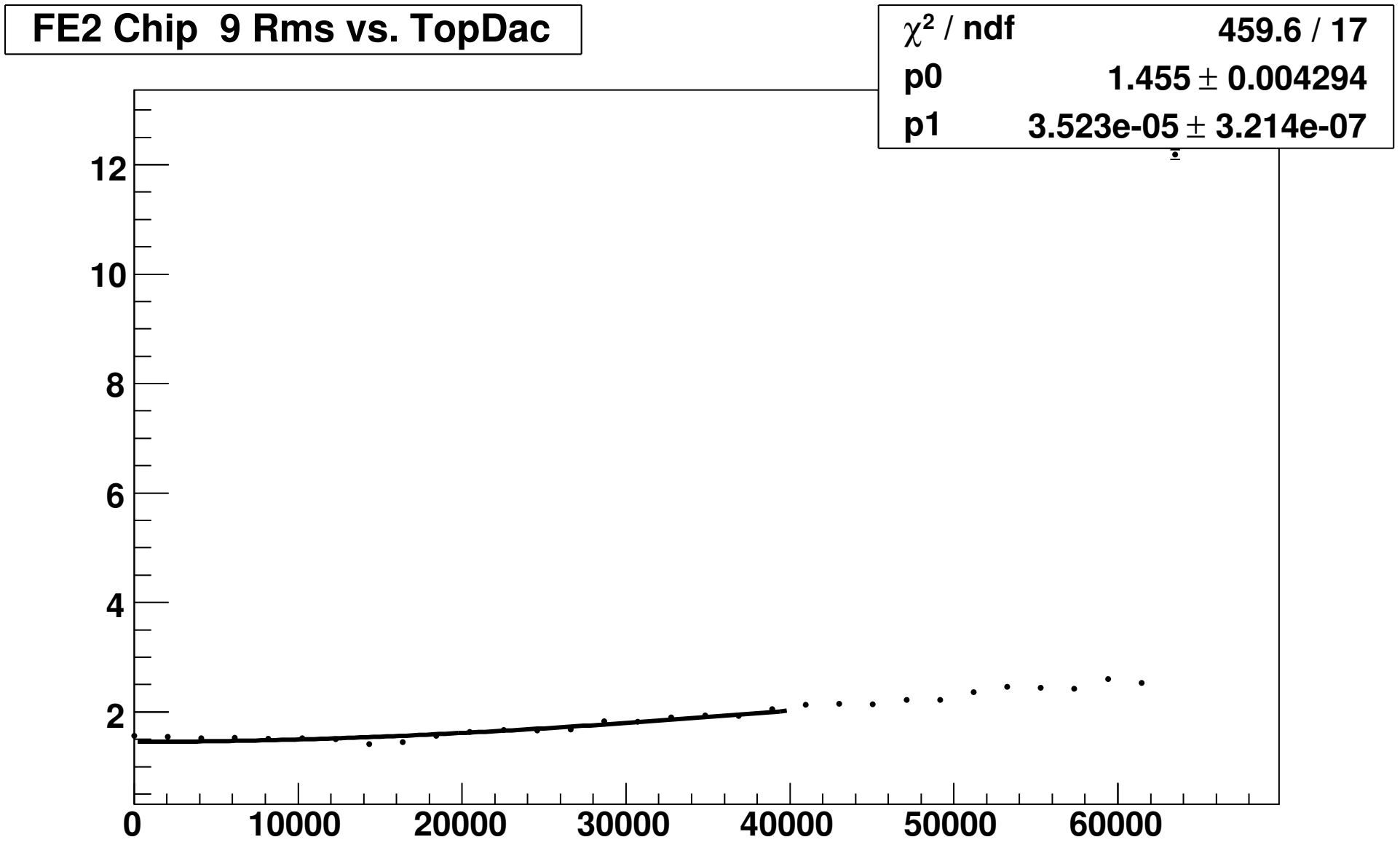
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 459.6 / 17
p0 1.455 ± 0.004294
p1 3.523e-05 ± 3.214e-07
12
10
8
6
4
2
0
10000
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30000
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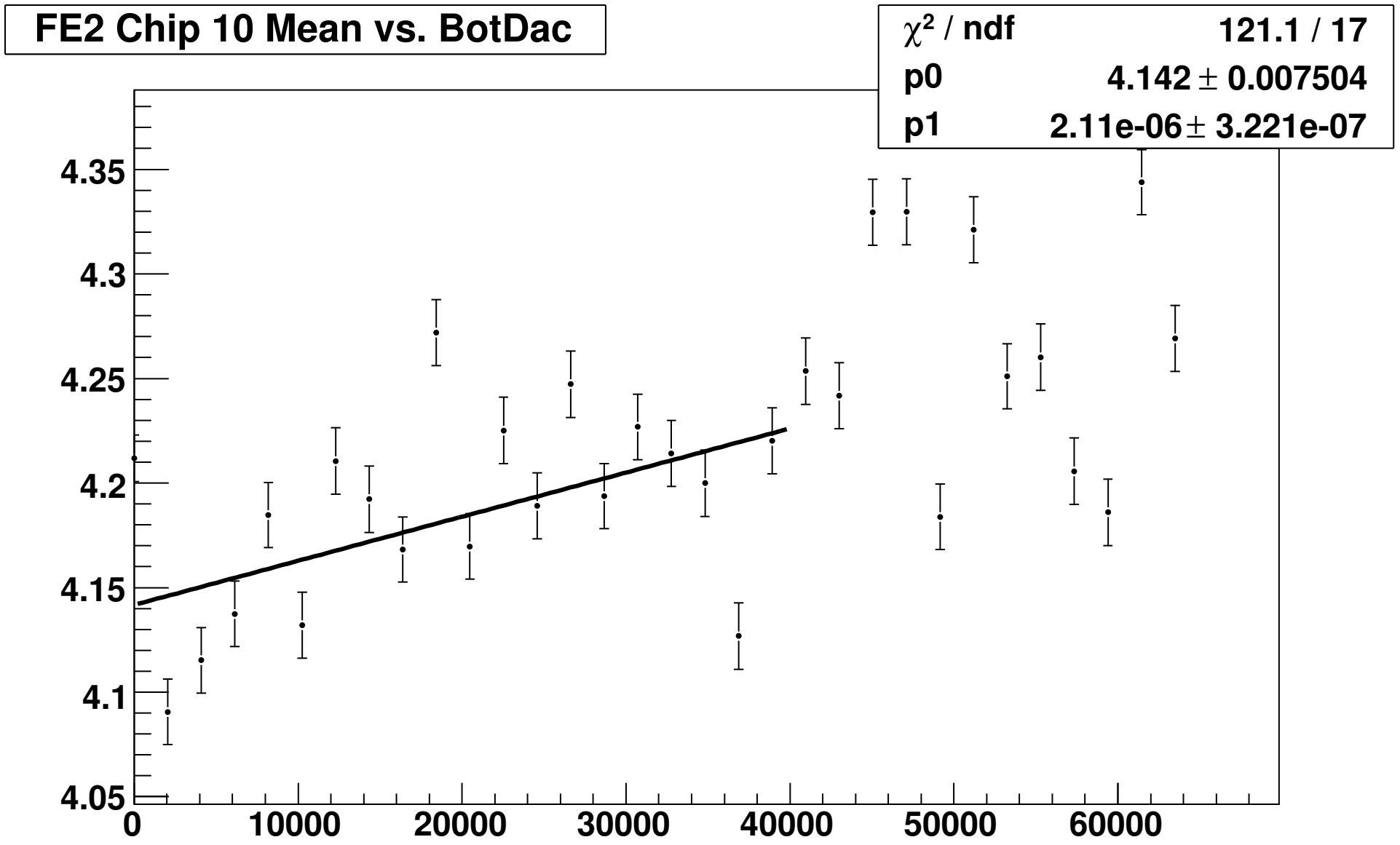
60000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 121.1 / 17
p0 4.142 ± 0.007504
p1 2.11e-06 ± 3.221e-07
4.35
4.3
4.25
4.2
4.15
4.1
4.05
0
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40000
50000
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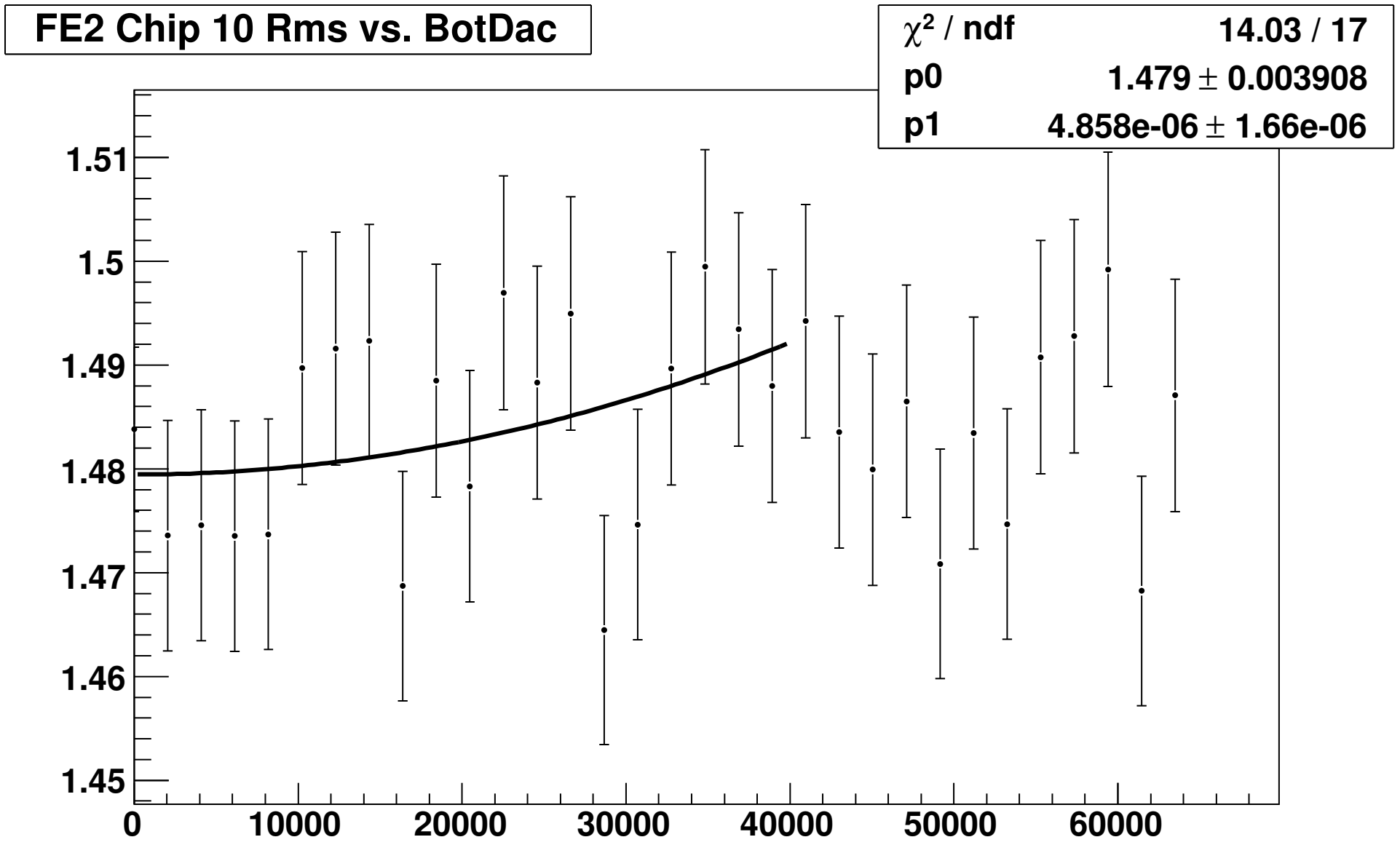
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 14.03 / 17
p0 1.479 ± 0.003908
p1 4.858e-06 ± 1.66e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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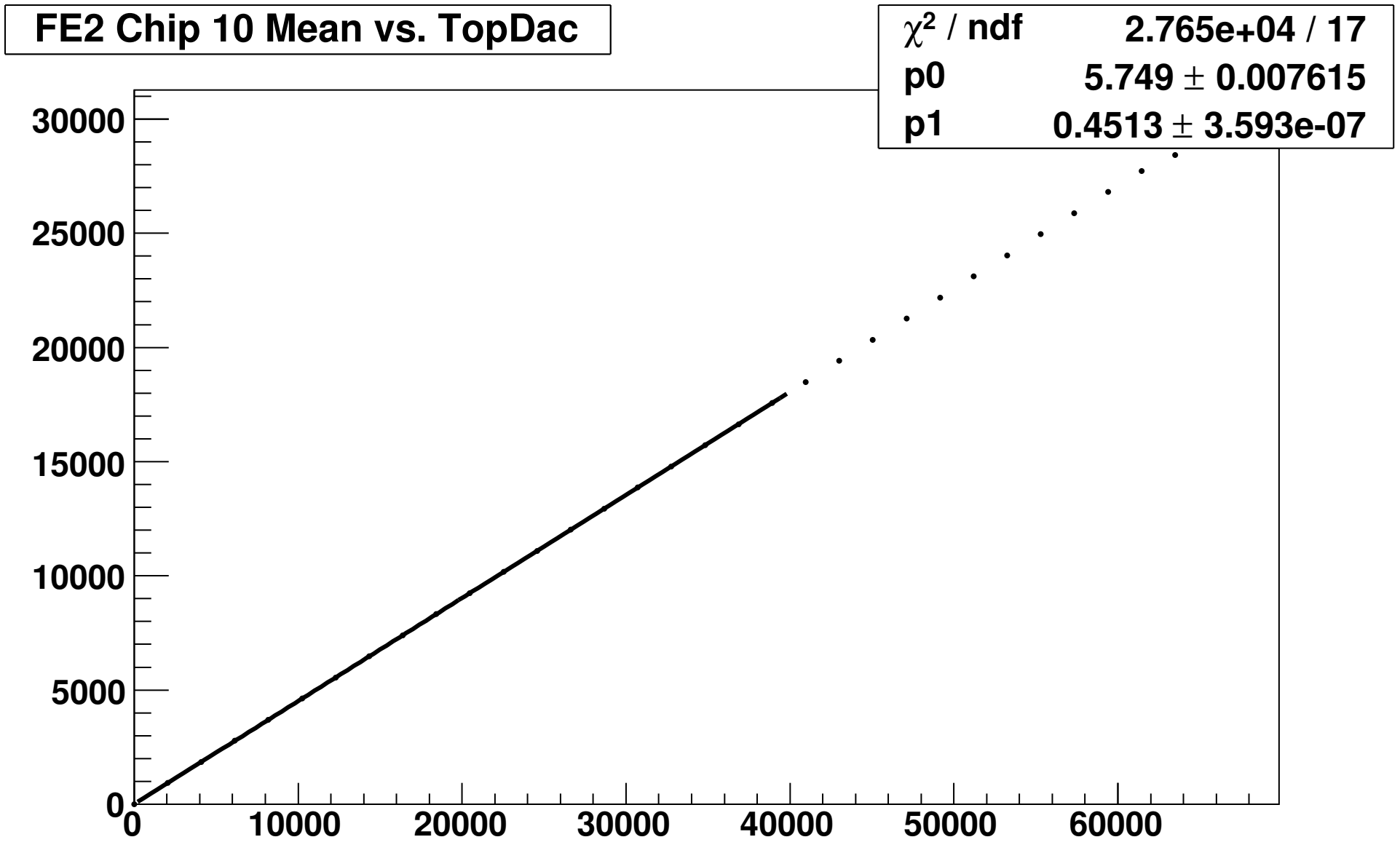
30000
40000
50000
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 2.765e+04 / 17
p0 5.749 ± 0.007615
p1 0.4513 ± 3.593e-07
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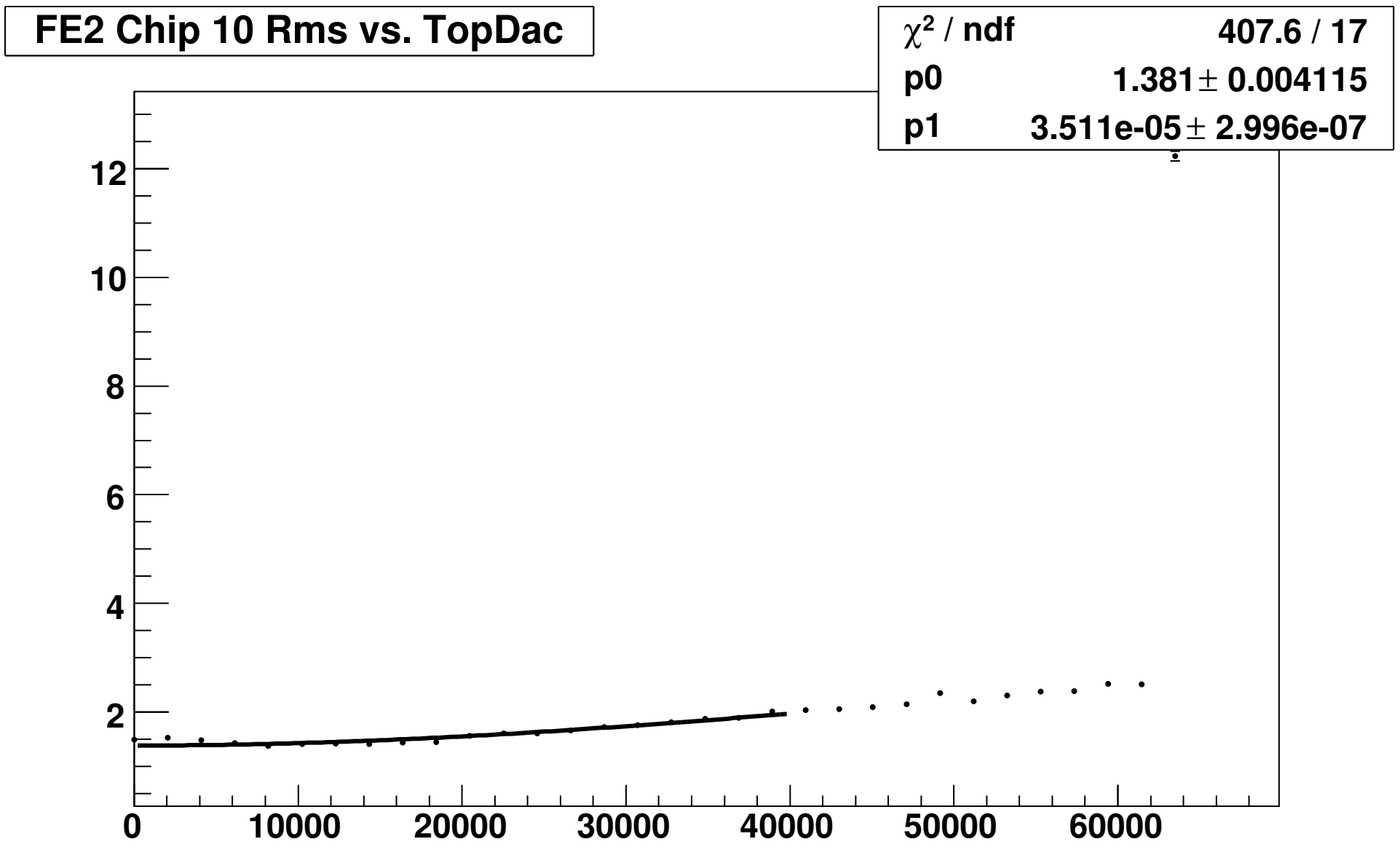
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 407.6 / 17
p0 1.381 ± 0.004115
p1 3.511e-05 ± 2.996e-07
12
10
8
6
4
2
0
10000
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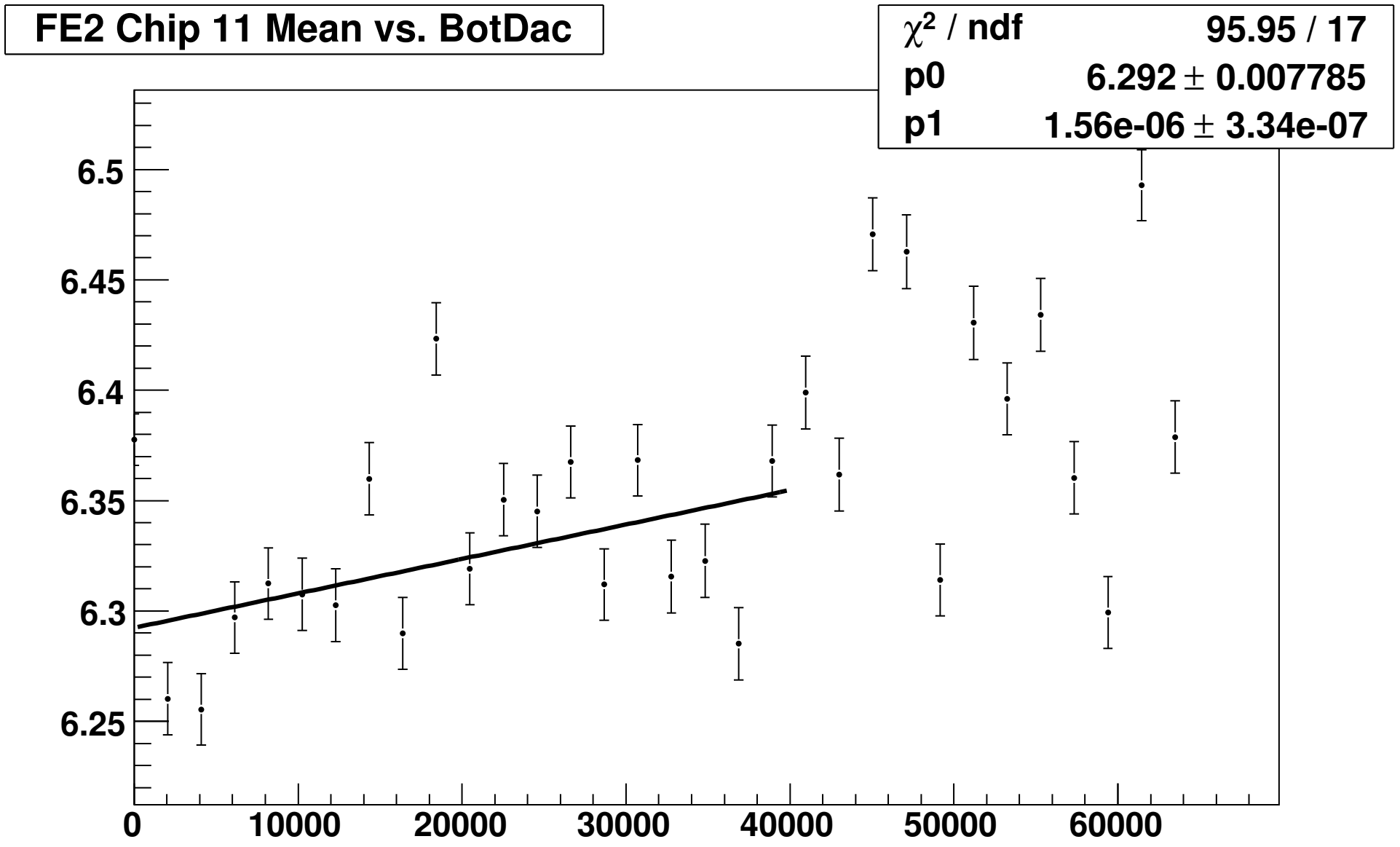
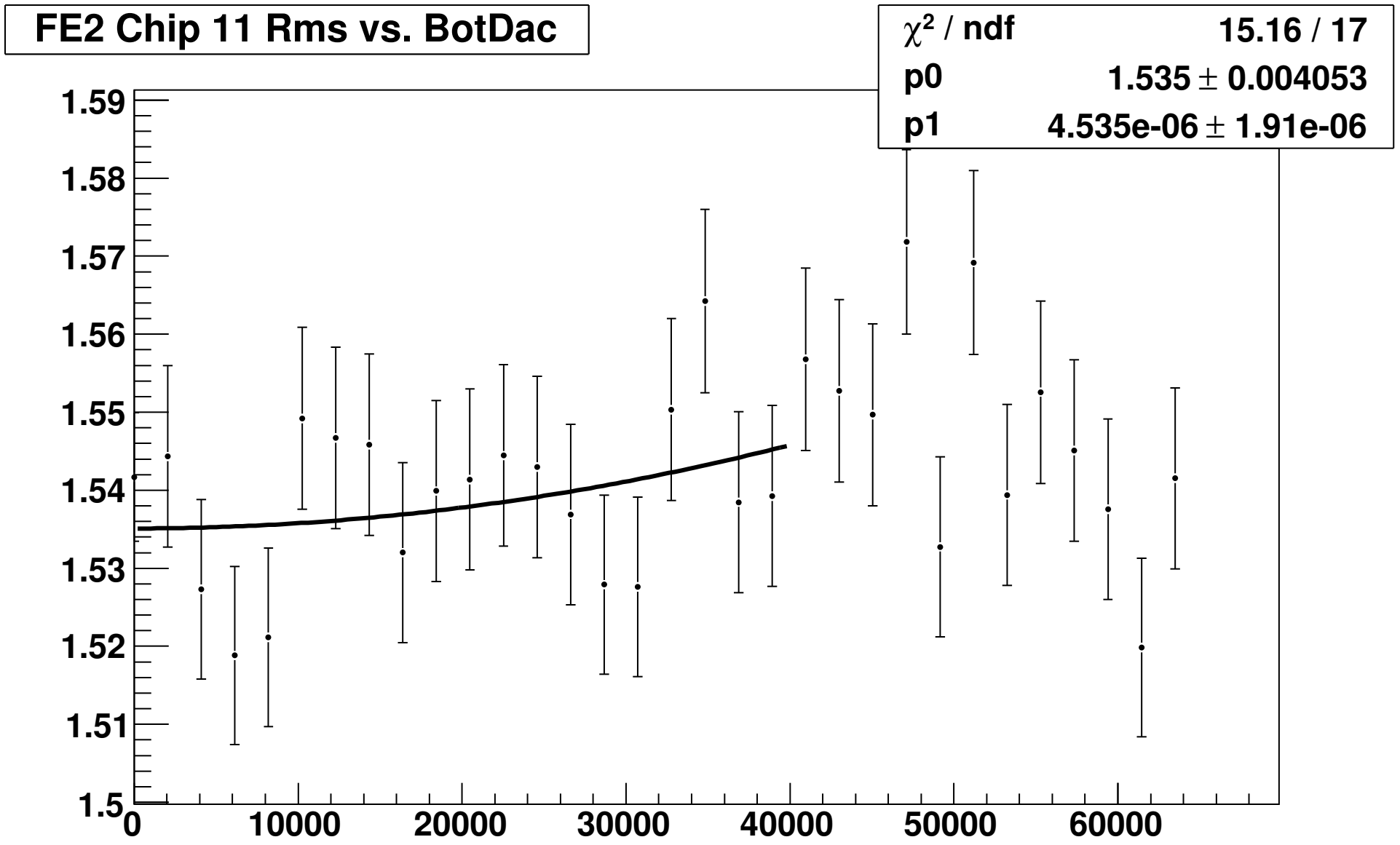
30000
40000
50000
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 95.95 / 17
p0 6.292 ± 0.007785
p1 1.56e-06 ± 3.34e-07
6.5
6.45
6.4
6.35
6.3
6.25
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 15.16 / 17
p0 1.535 ± 0.004053
p1 4.535e-06 ± 1.91e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
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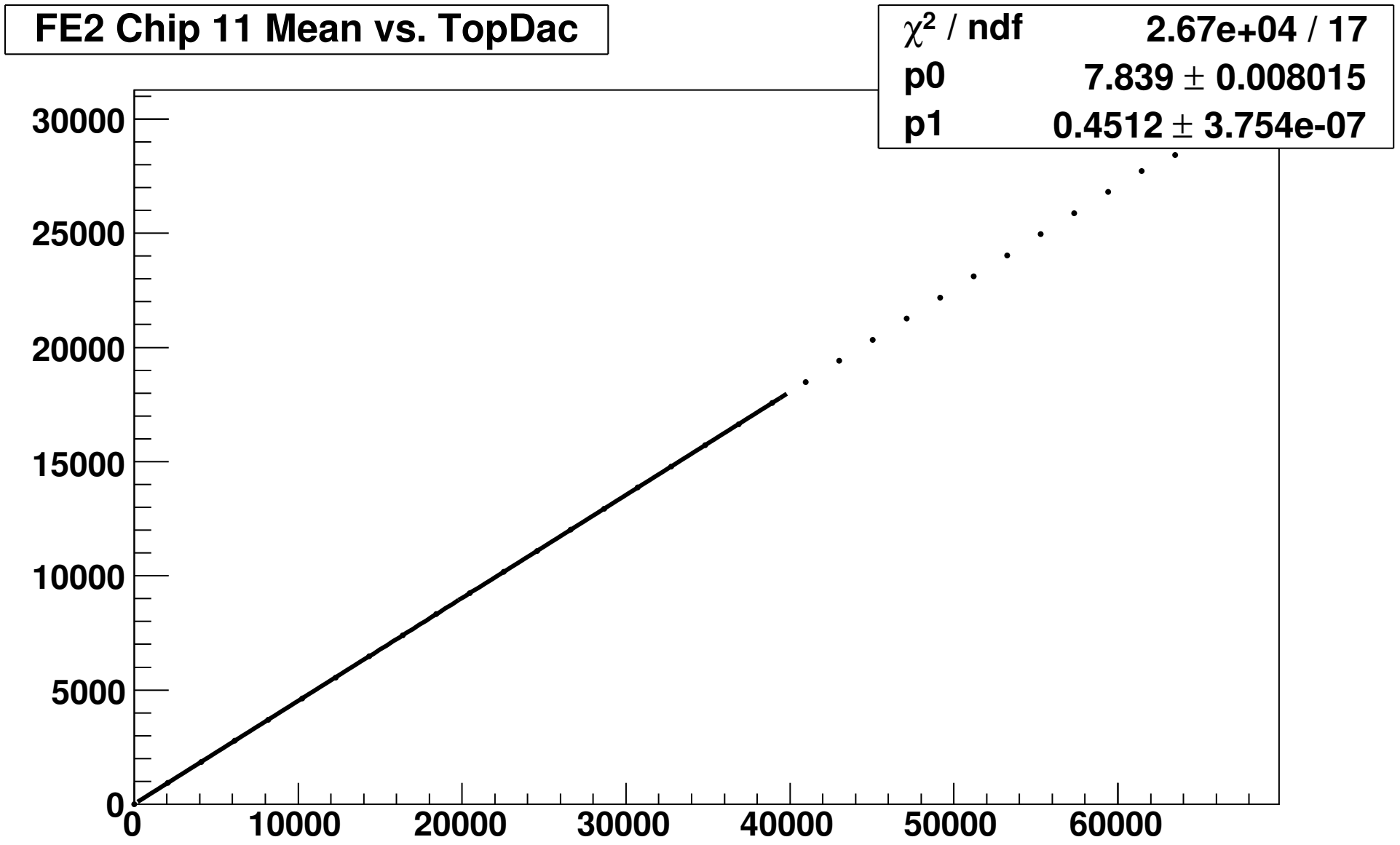
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 2.67e+04 / 17
p0 7.839 ± 0.008015
p1 0.4512 ± 3.754e-07
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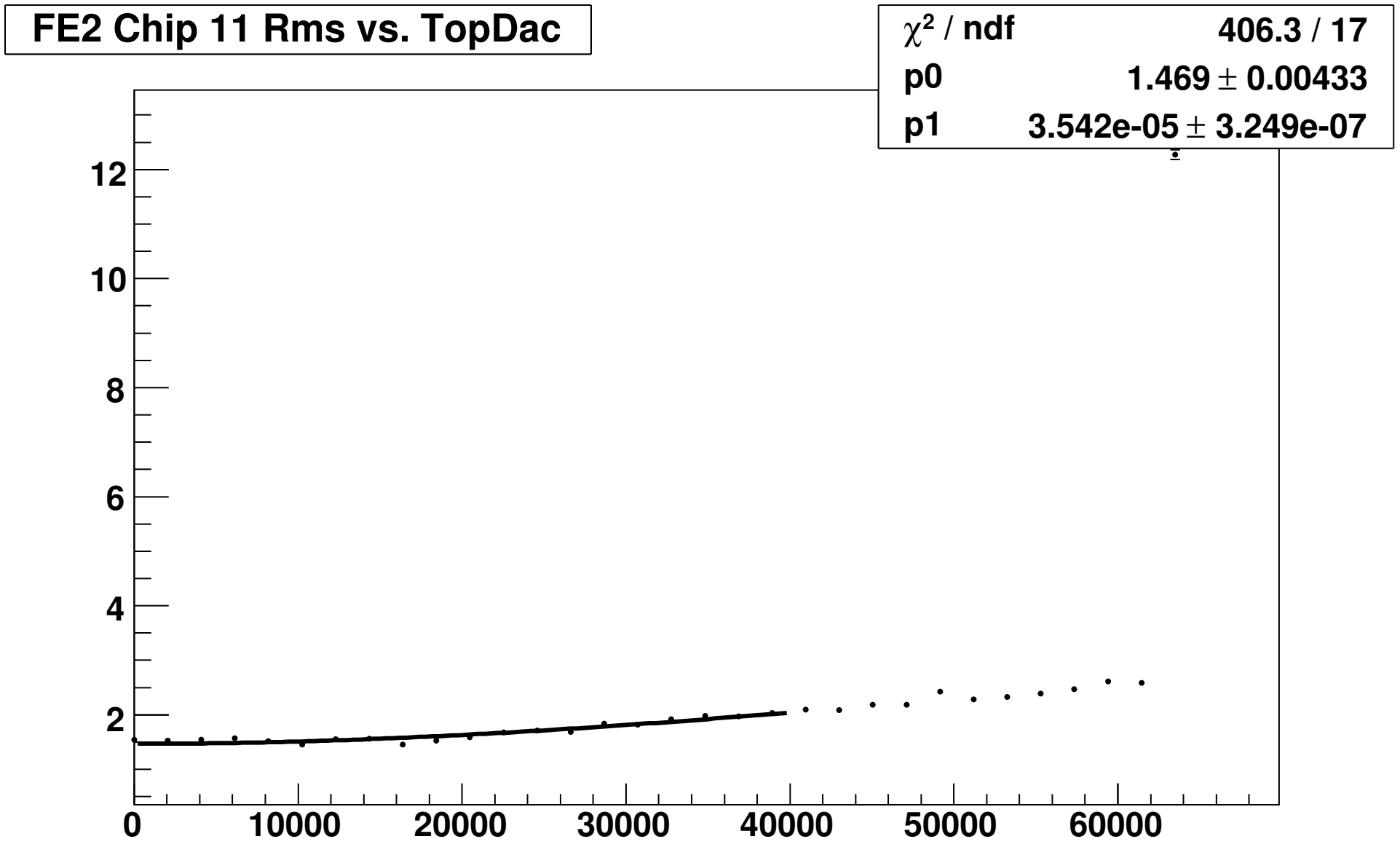
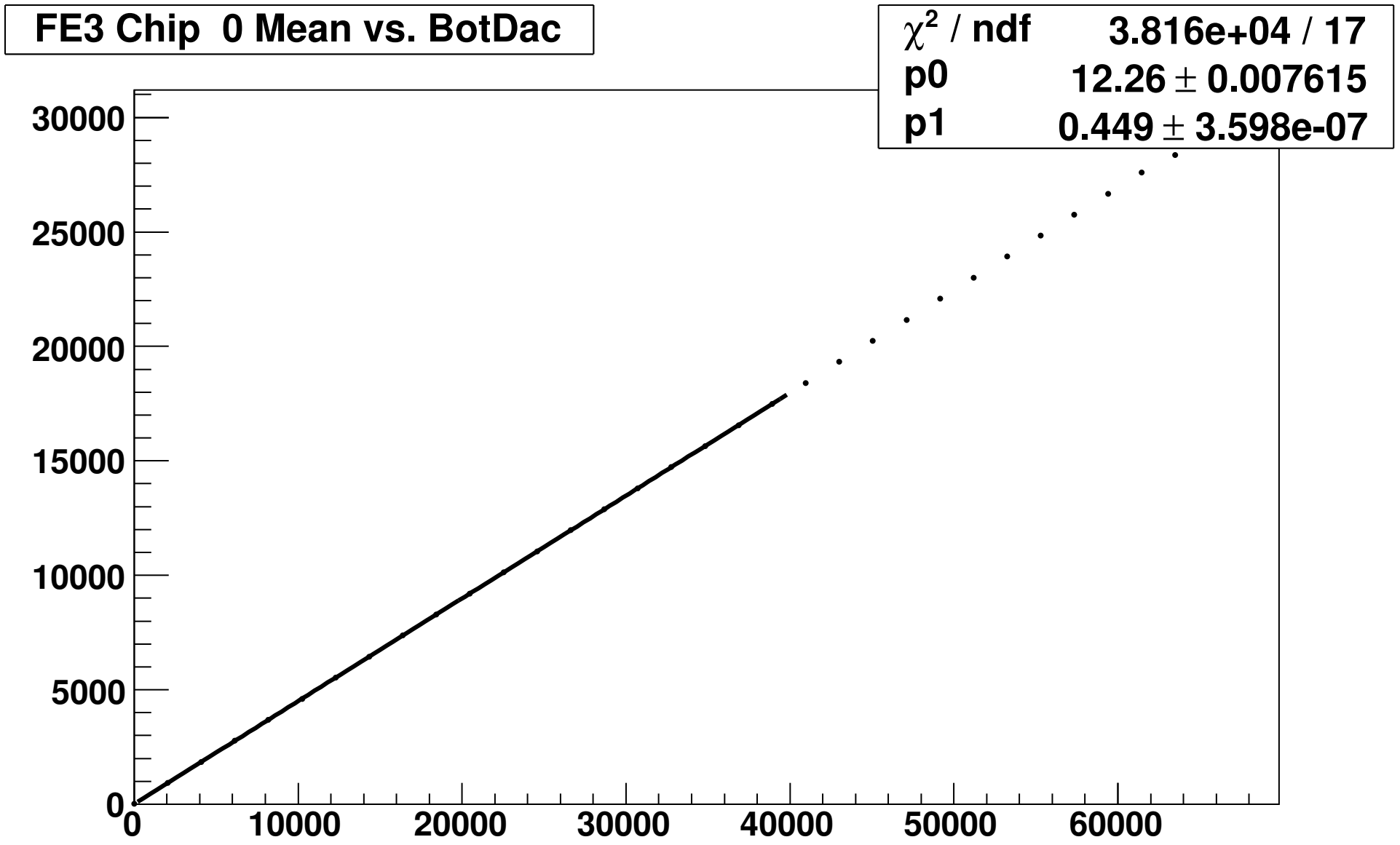
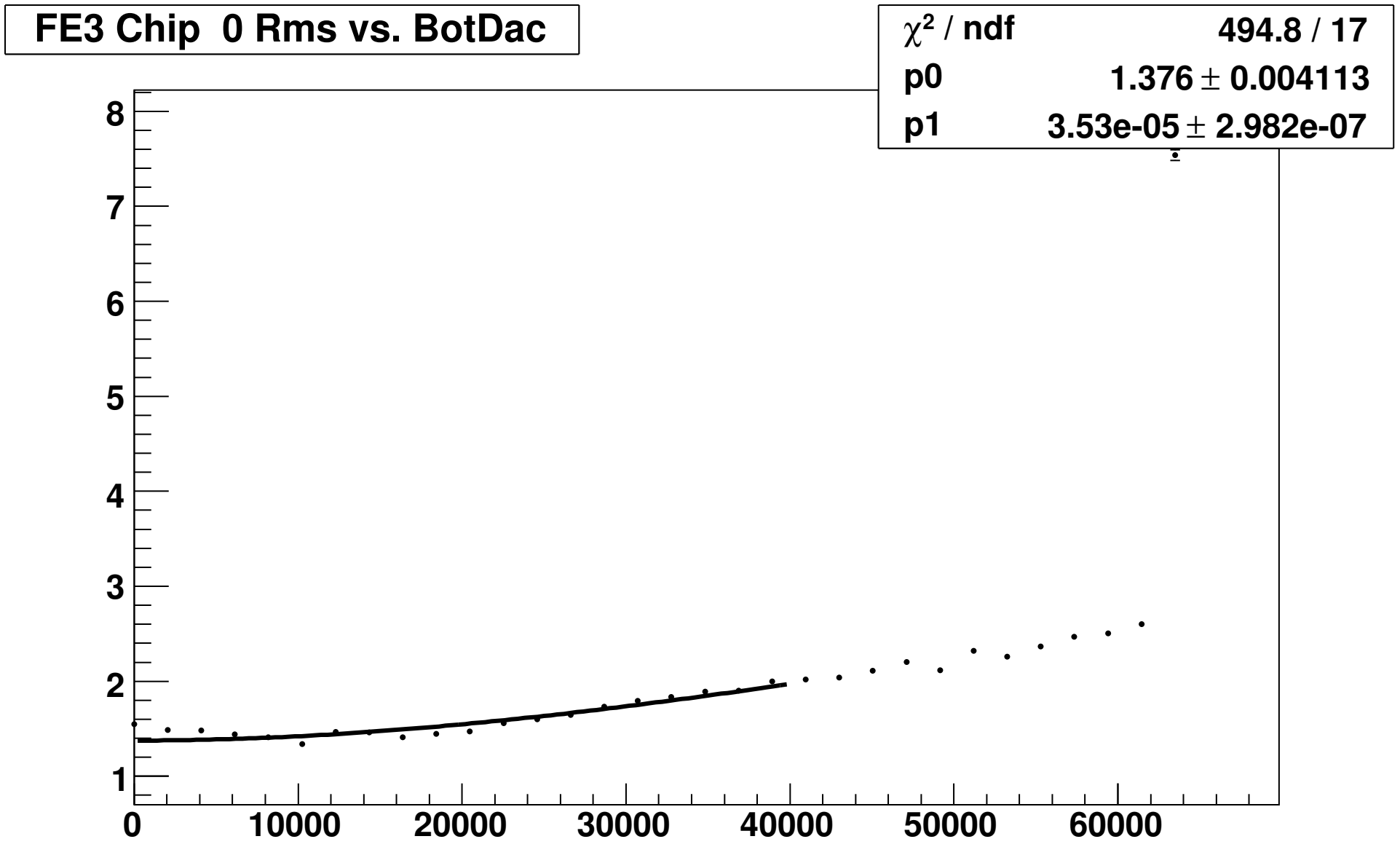
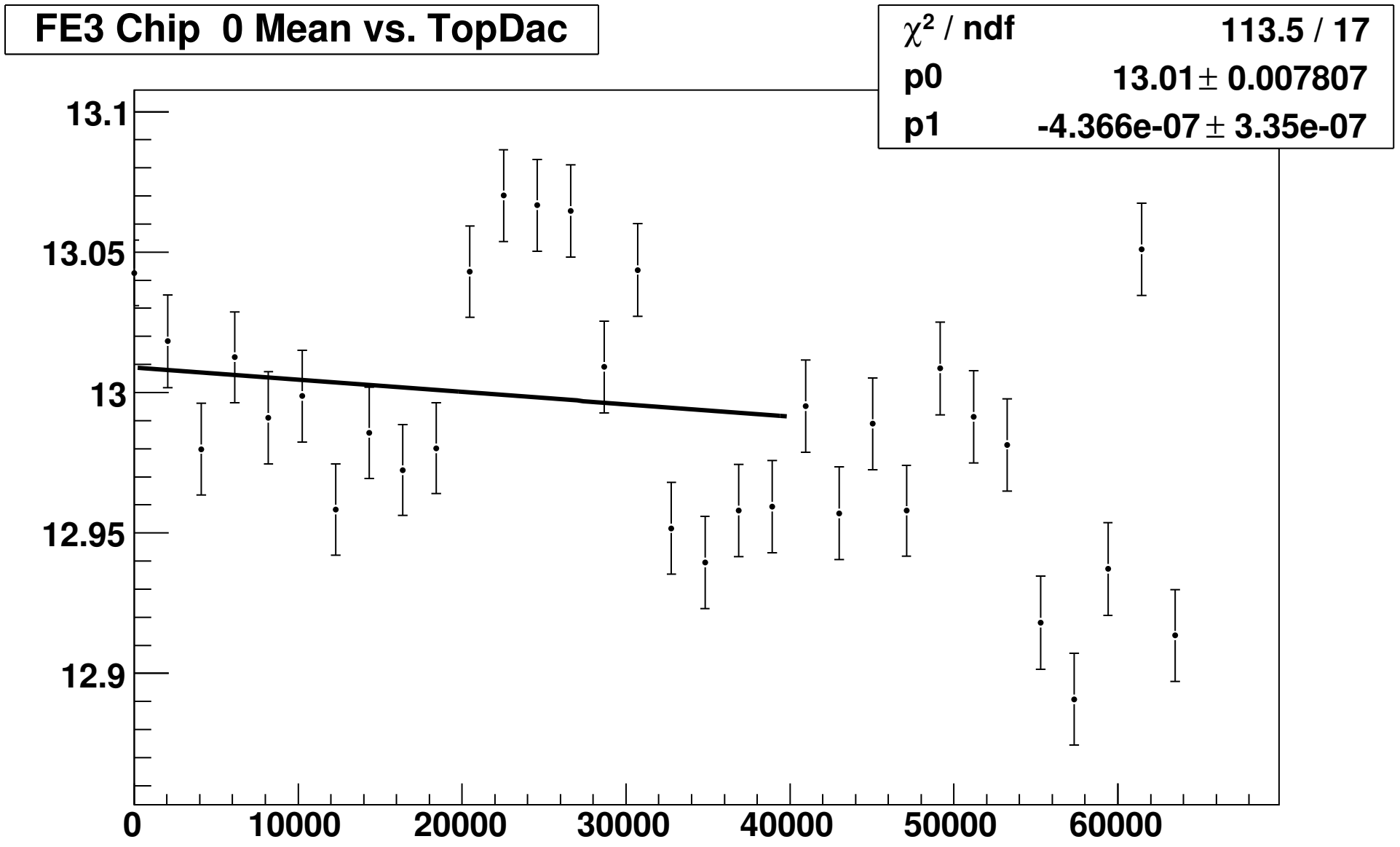
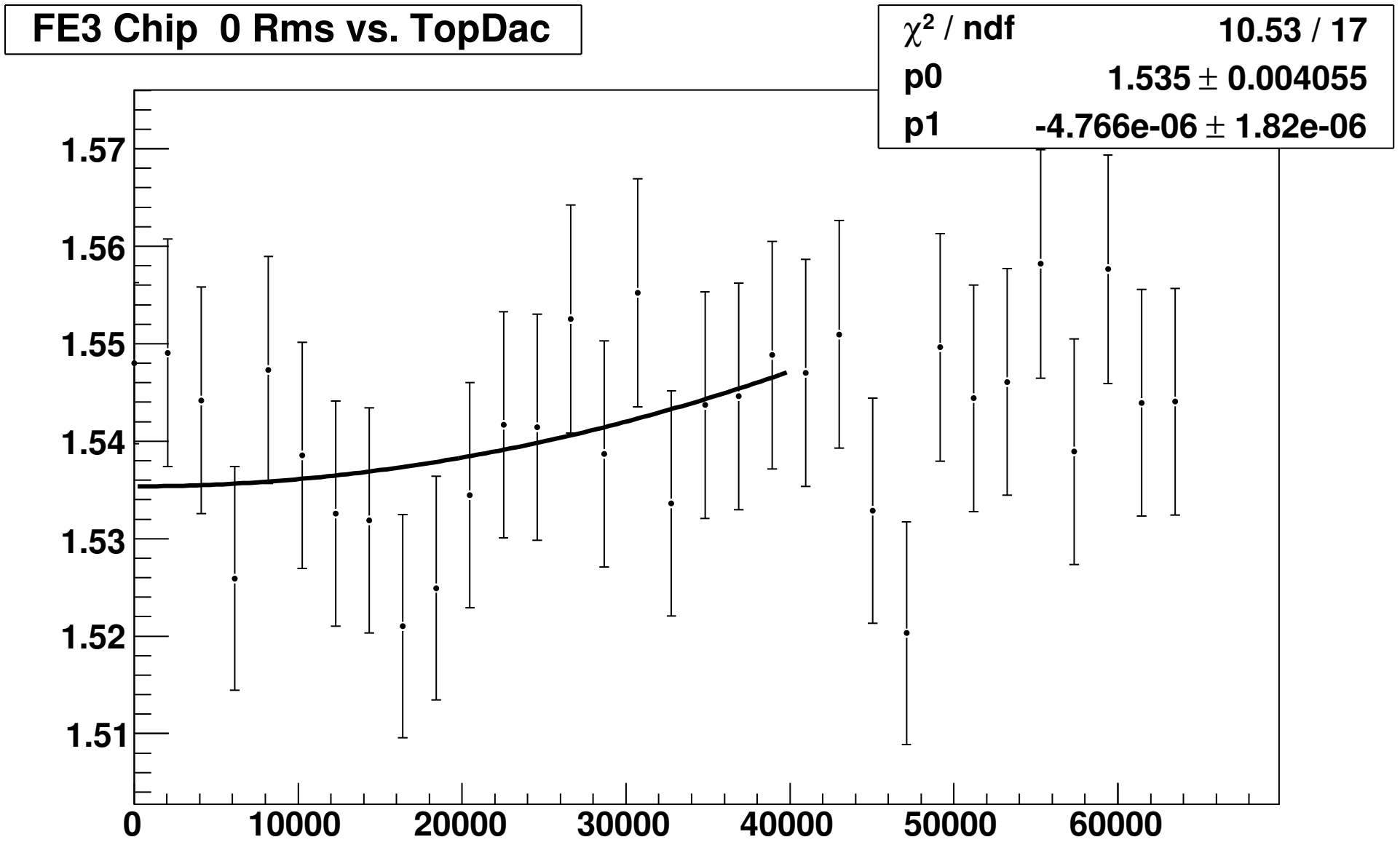
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 406.3 / 17
p0 1.469 ± 0.00433
p1 3.542e-05 ± 3.249e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 3.816e+04 / 17
p0 12.26 ± 0.007615
p1 0.449 ± 3.598e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 494.8 / 17
p0 1.376 ± 0.004113
p1 3.53e-05 ± 2.982e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 113.5 / 17
p0 13.01 ± 0.007807
p1 -4.366e-07 ± 3.35e-07
13.1
13.05
13
12.95
12.9
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 10.53 / 17
p0 1.535 ± 0.004055
p1 -4.766e-06 ± 1.82e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
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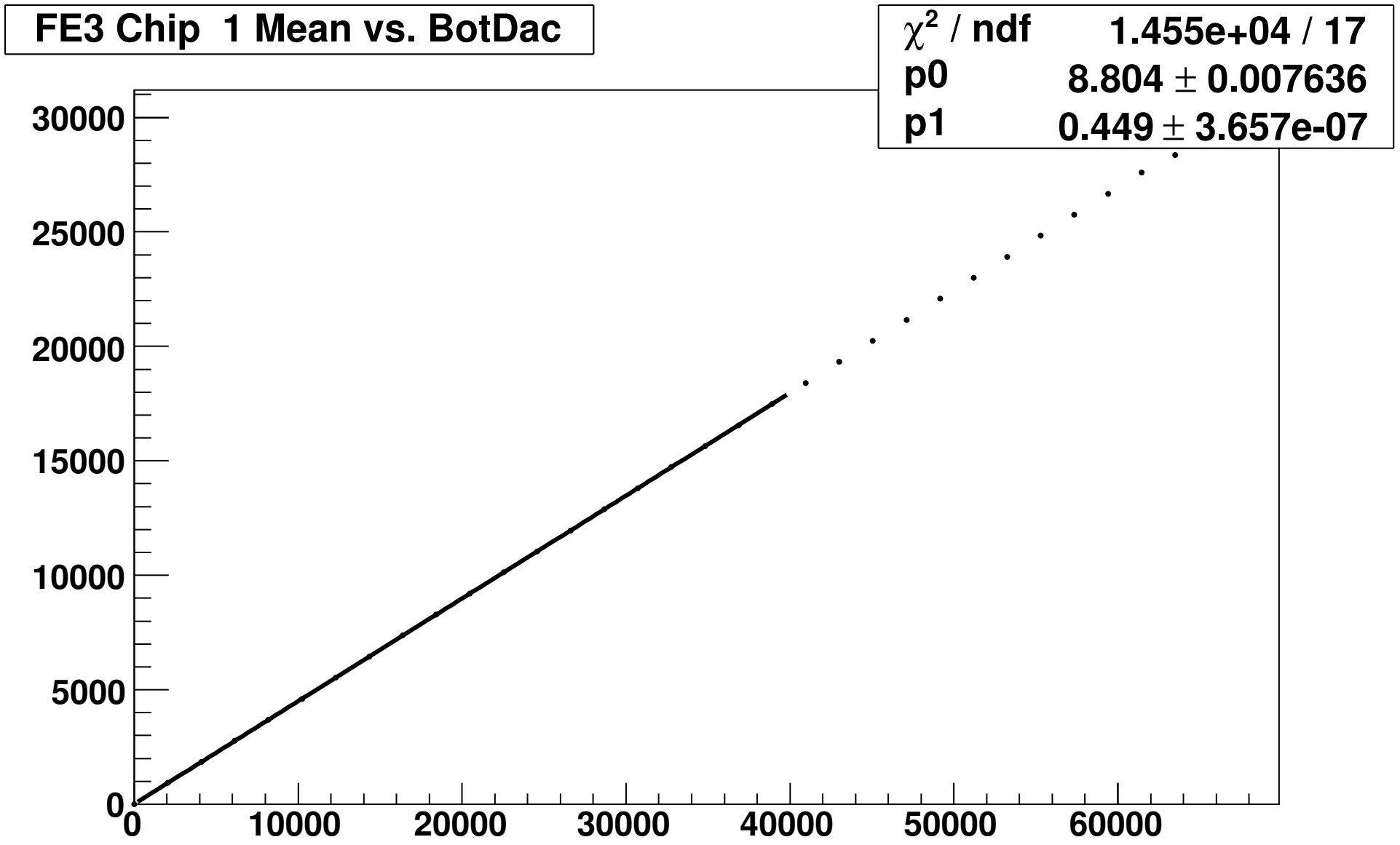
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.455e+04 / 17
p0 8.804 ± 0.007636
p1 0.449 ± 3.657e-07
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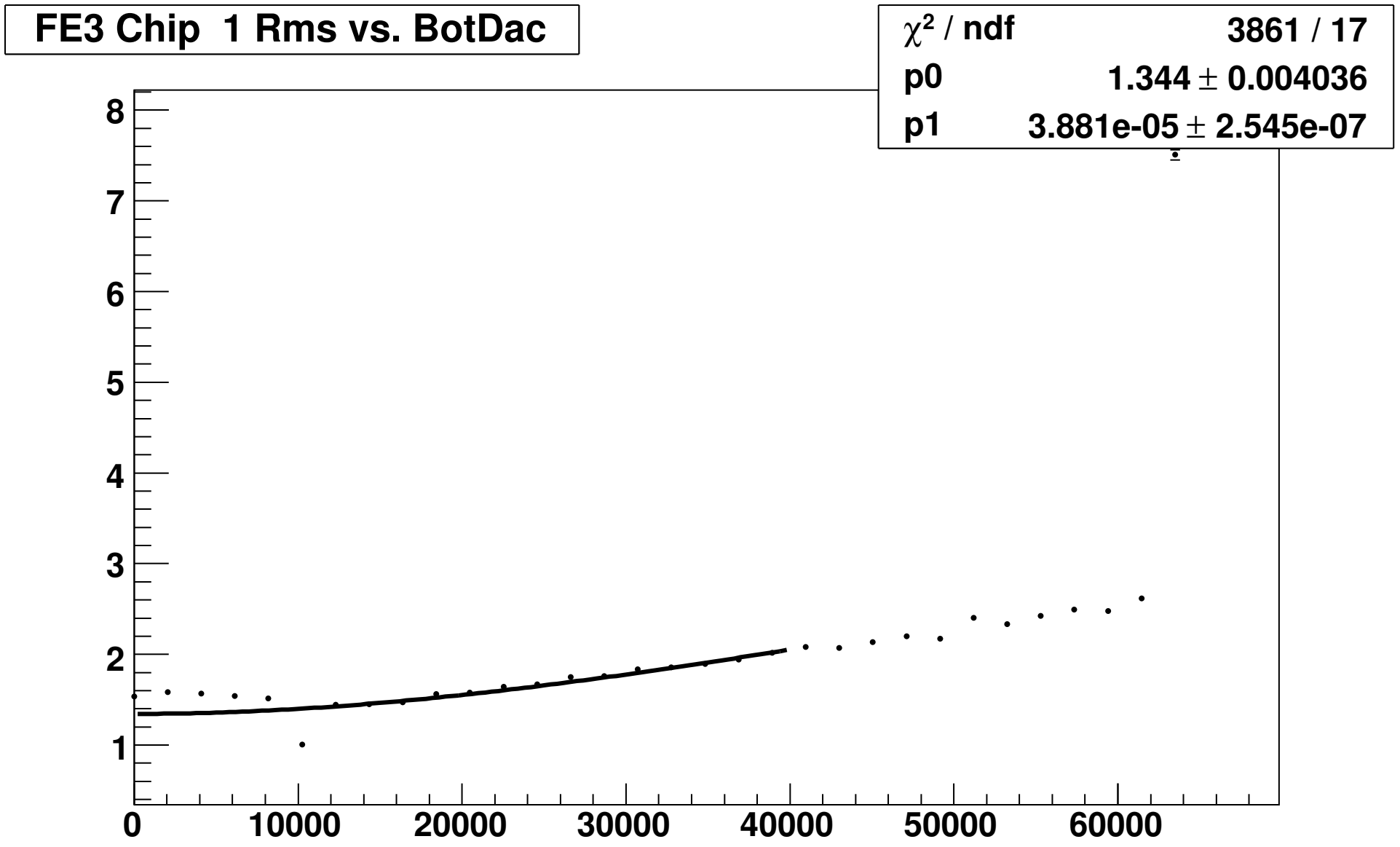
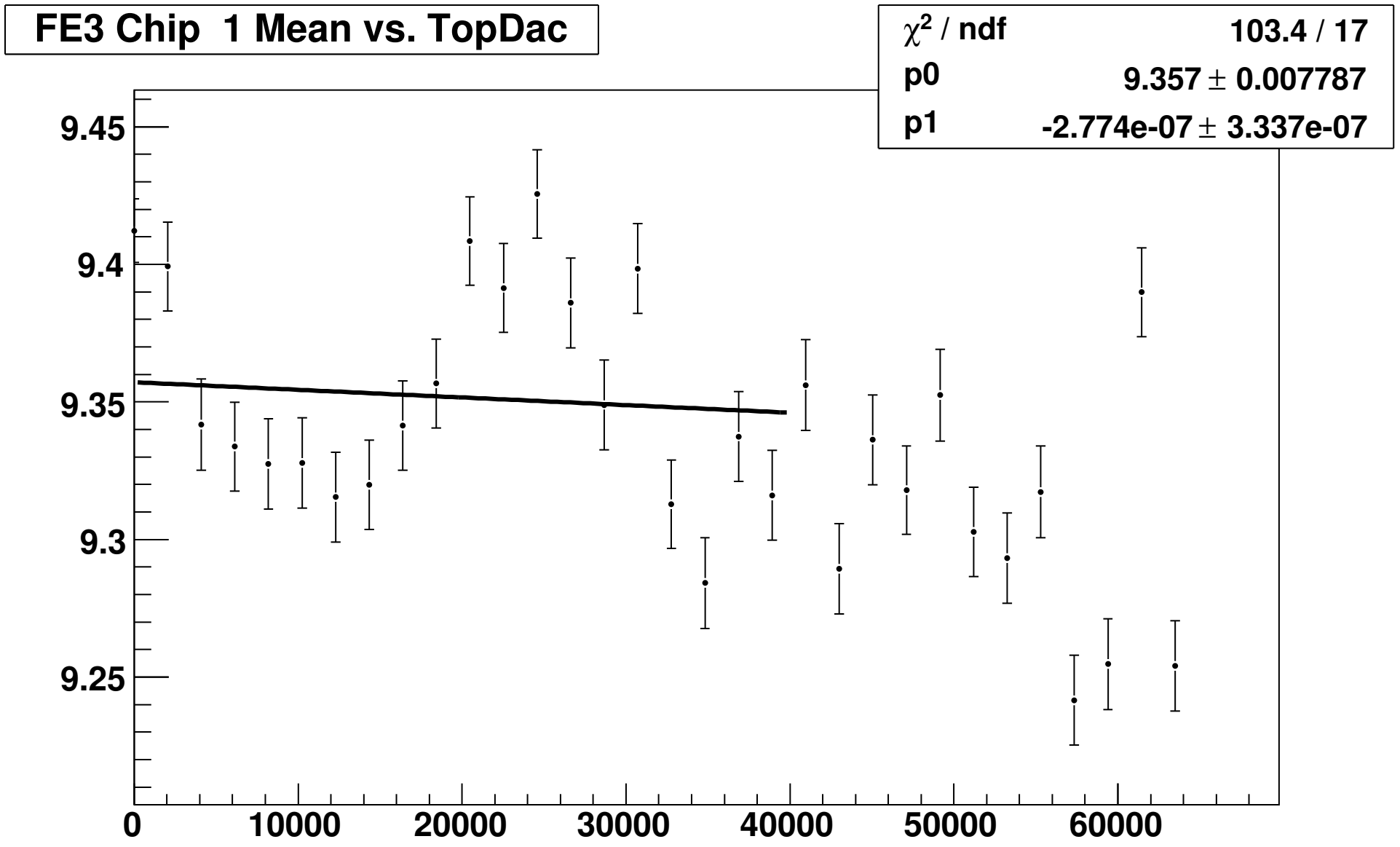
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 3861 / 17
p0 1.344 ± 0.004036
p1 3.881e-05 ± 2.545e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 103.4 / 17
p0 9.357 ± 0.007787
p1 -2.774e-07 ± 3.337e-07
9.45
9.4
9.35
9.3
9.25
0
10000
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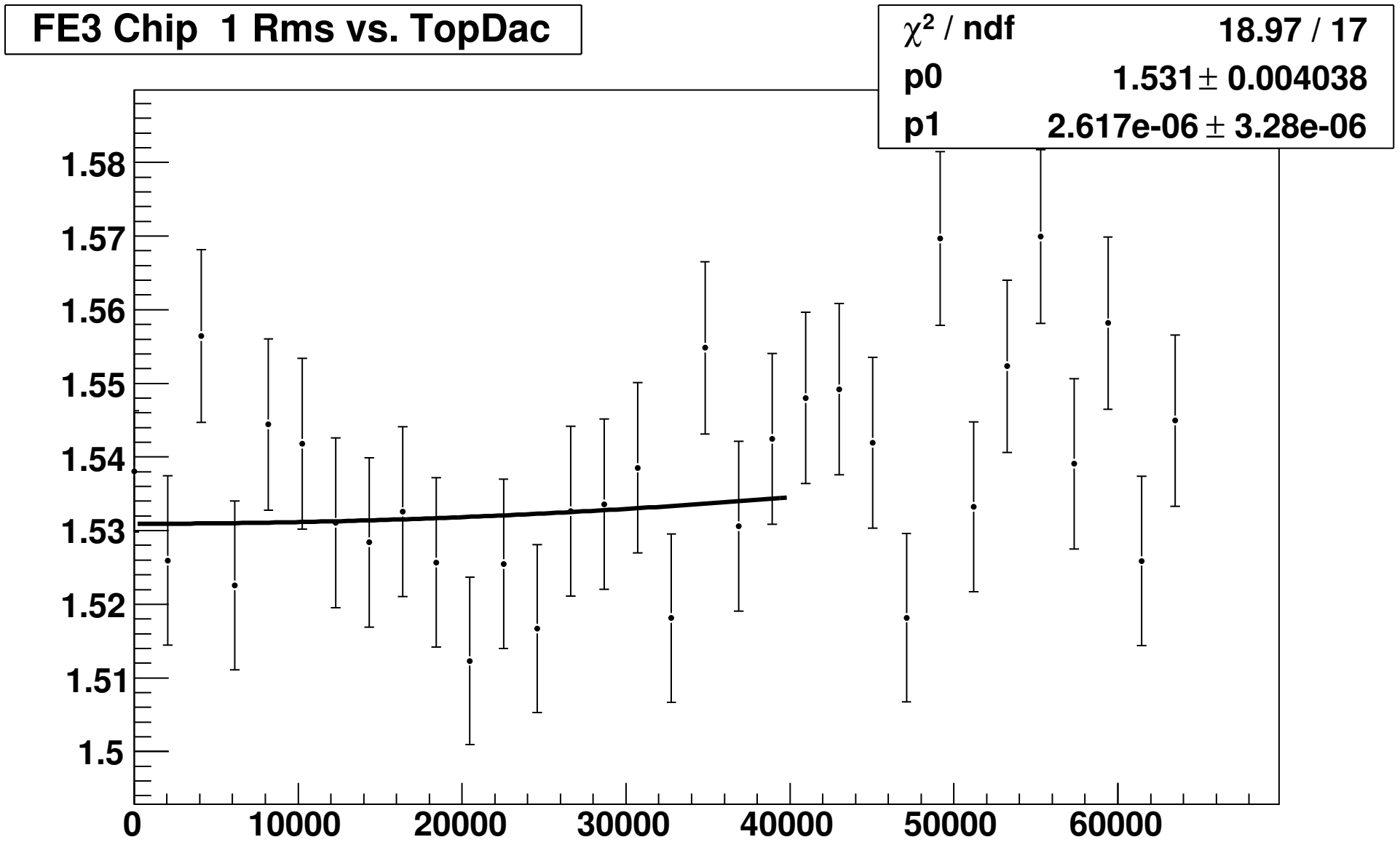
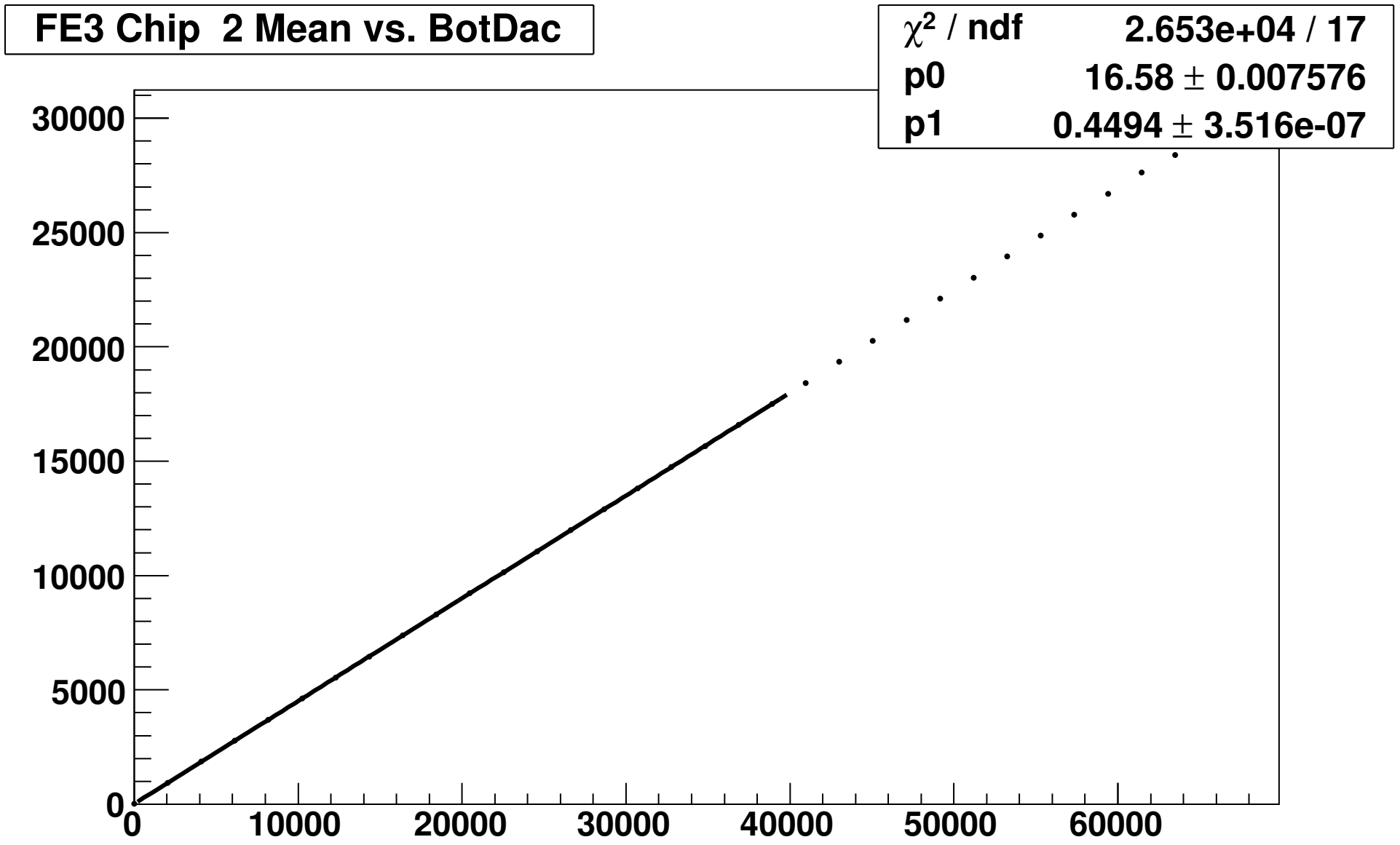
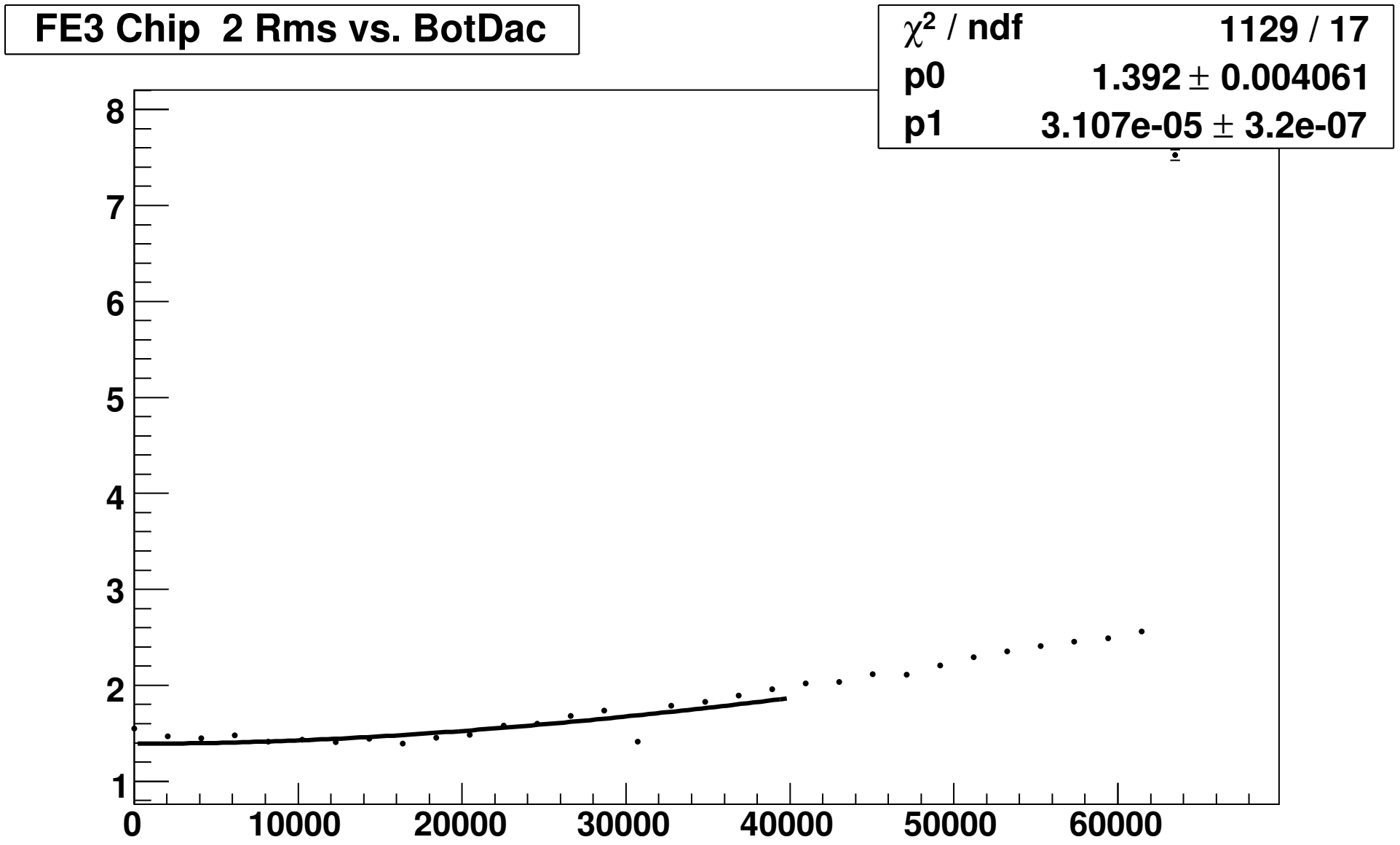
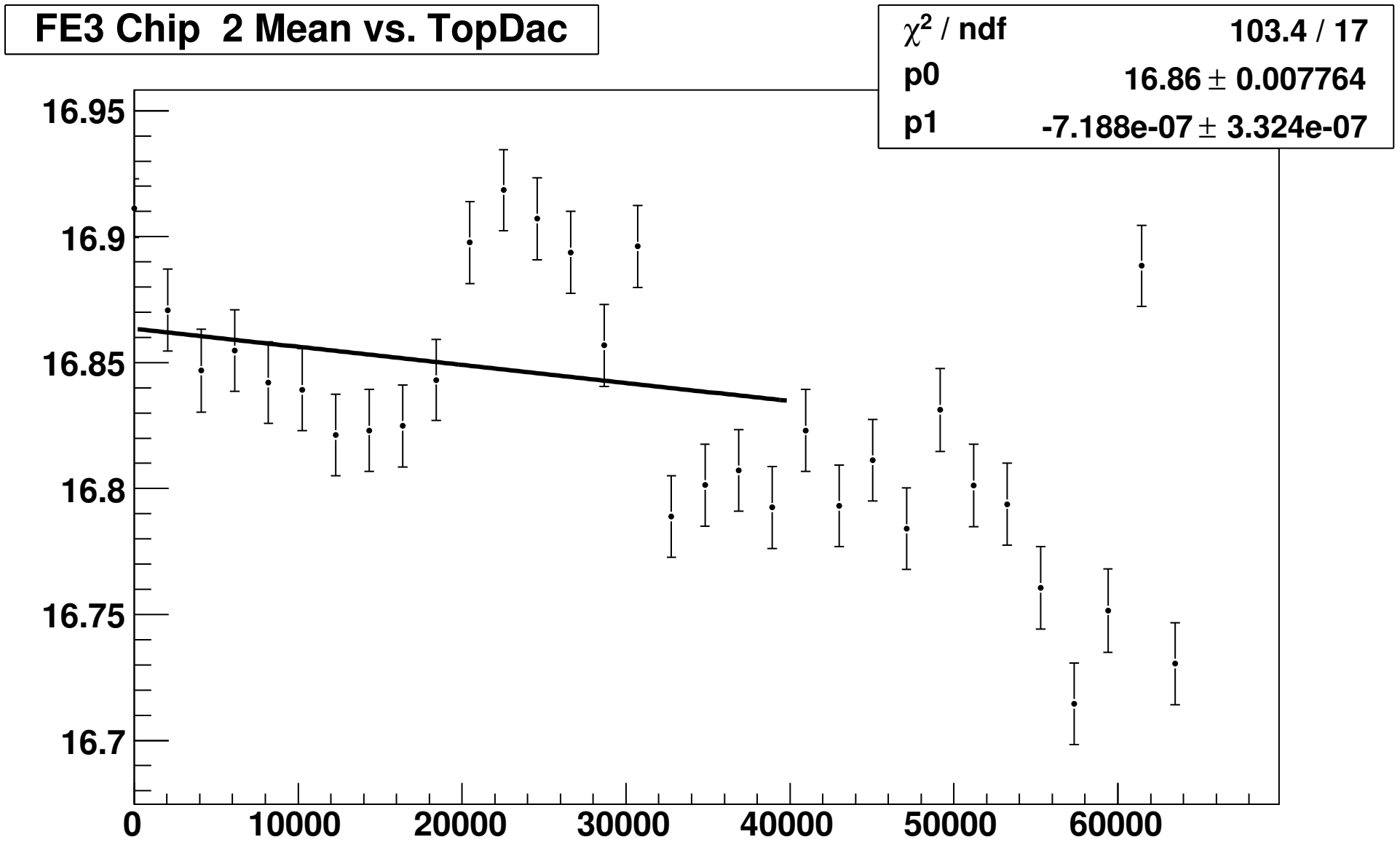
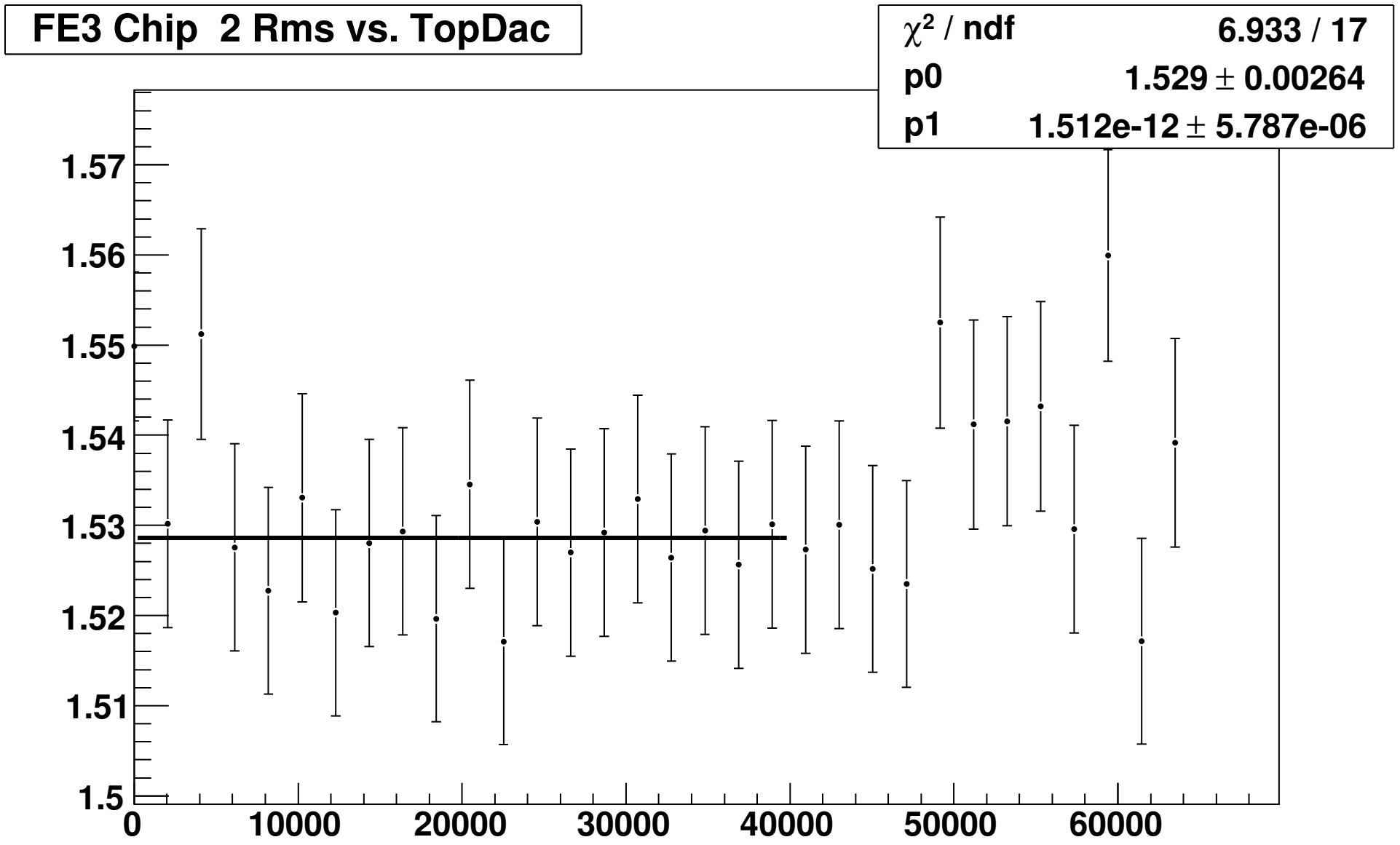
30000
40000
50000
60000

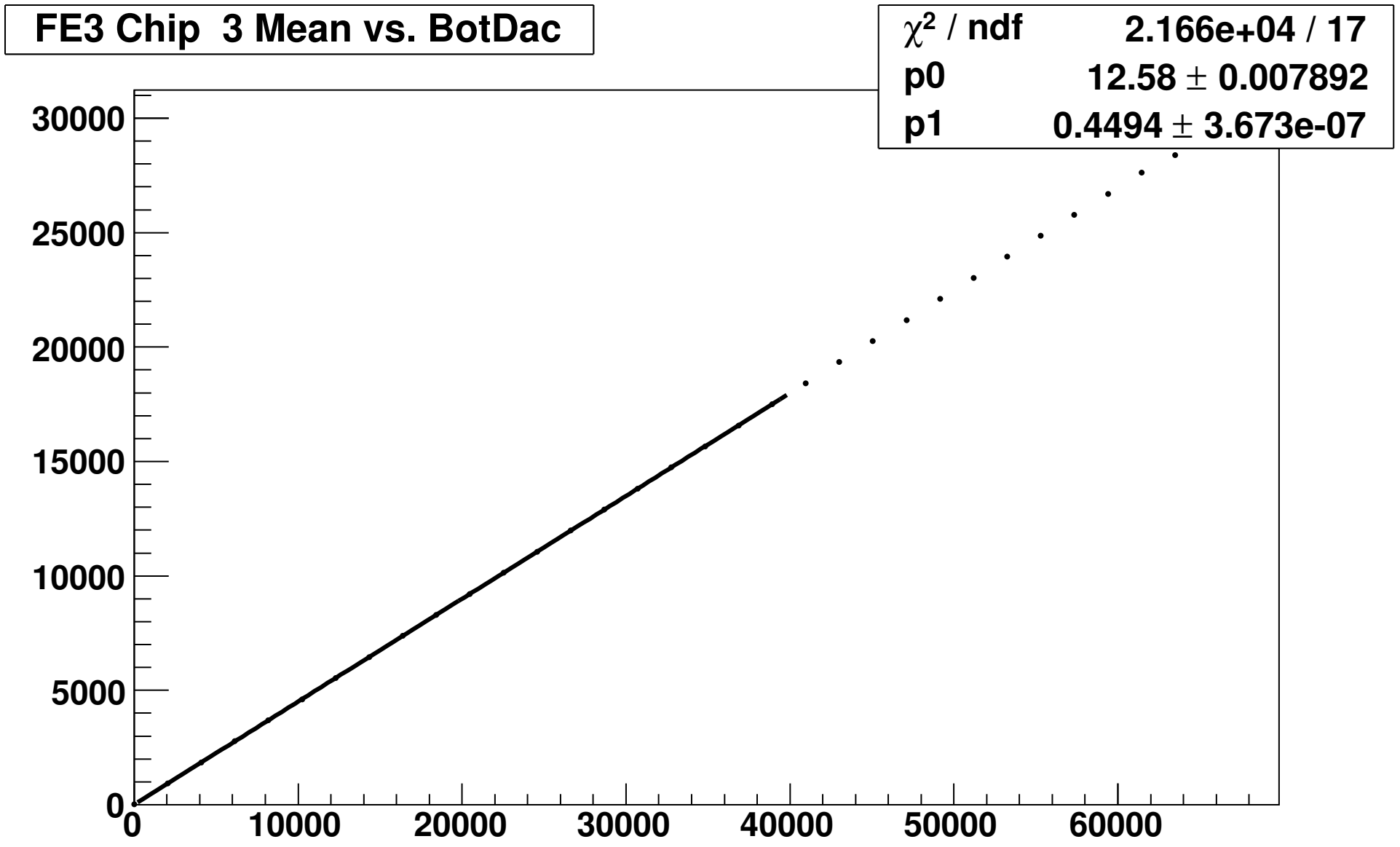

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 18.97 / 17
p0 1.531 ± 0.004038
p1 2.617e-06 ± 3.28e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

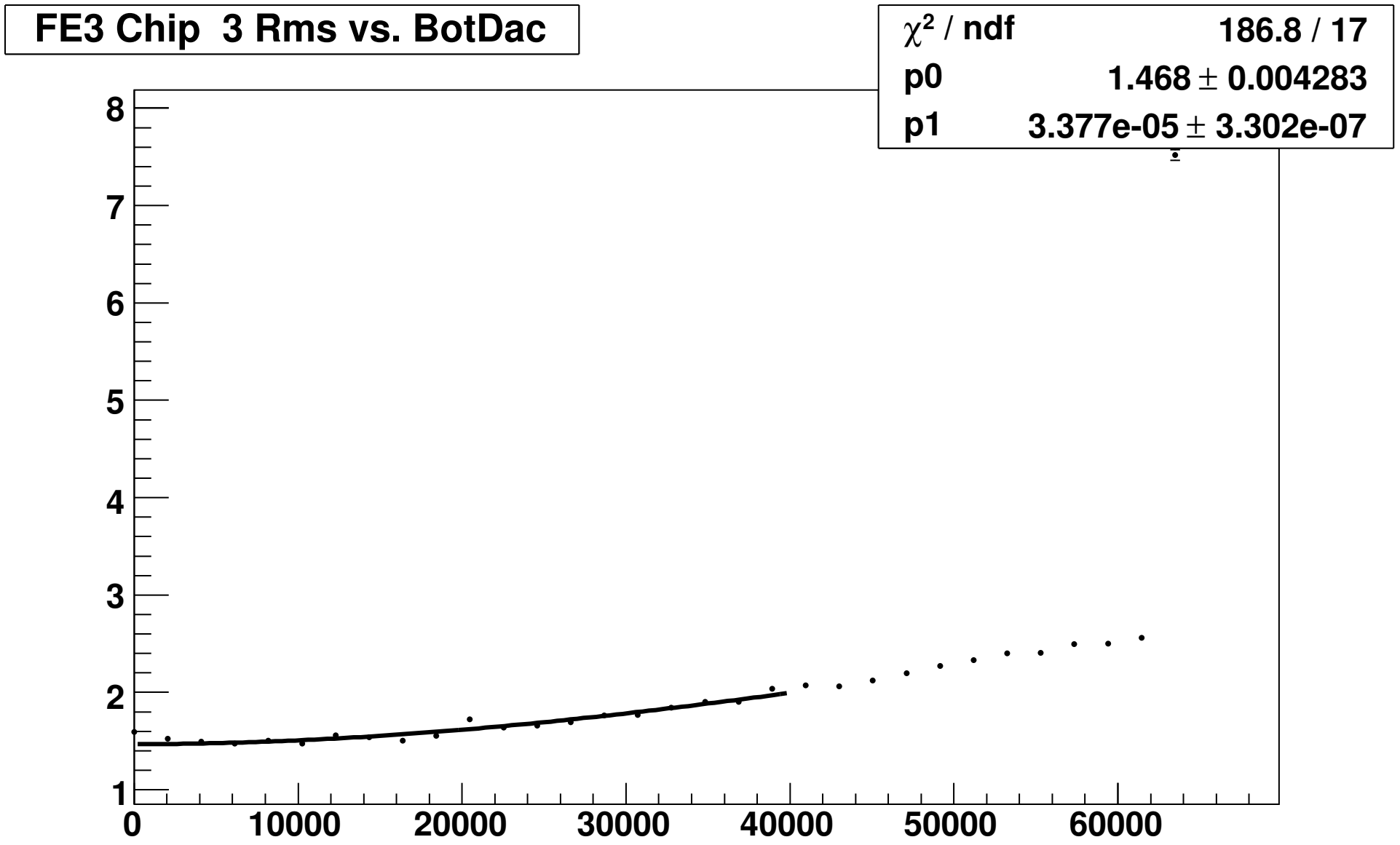

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 2.653e+04 / 17
p0 16.58 ± 0.007576
p1 0.4494 ± 3.516e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

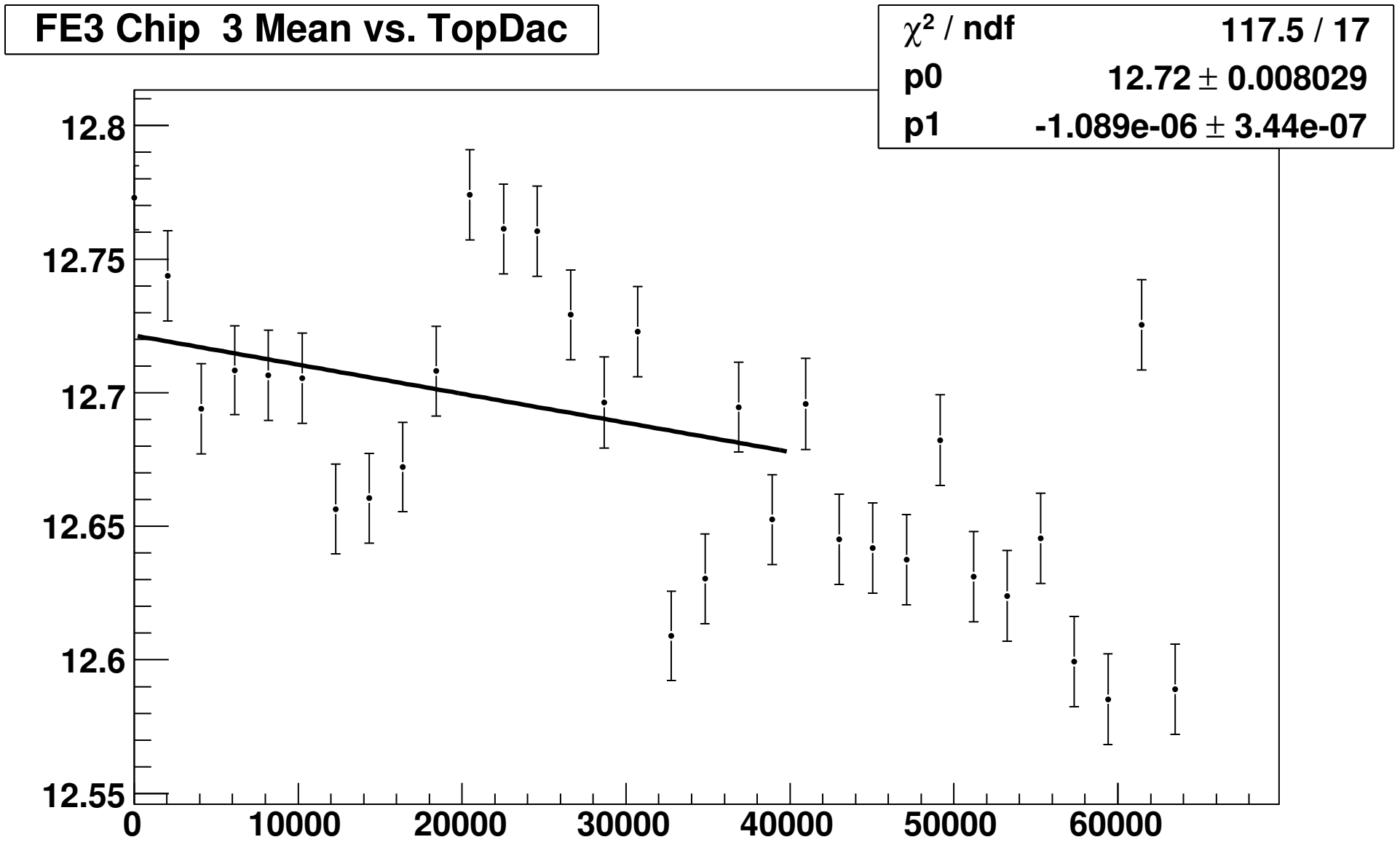

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1129 / 17
p0 1.392 ± 0.004061
p1 3.107e-05 ± 3.2e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

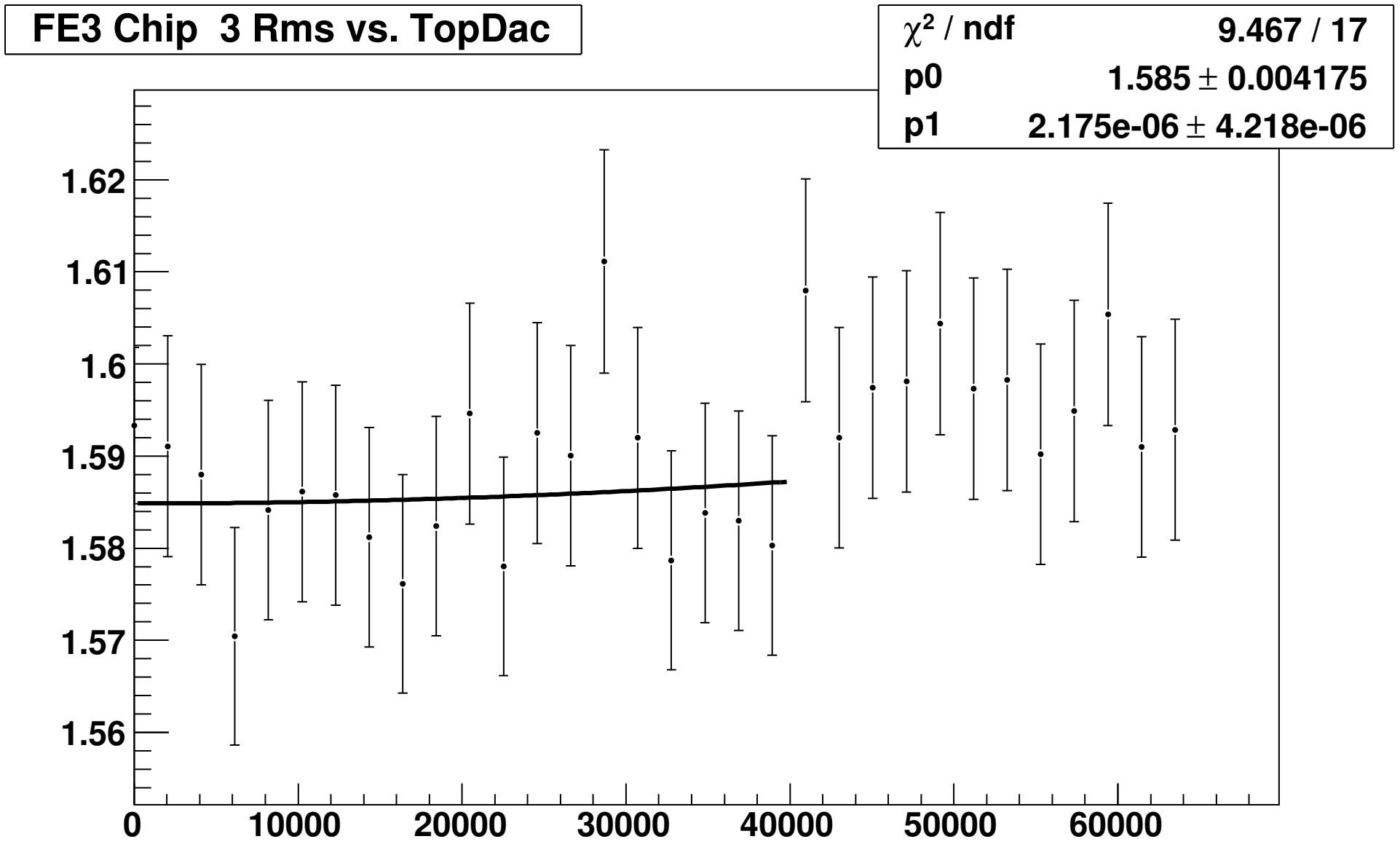

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 103.4 / 17
p0 16.86 ± 0.007764
p1 -7.188e-07 ± 3.324e-07
16.95
16.9
16.85
16.8
16.75
16.7
0
10000
20000
30000
40000
50000
60000

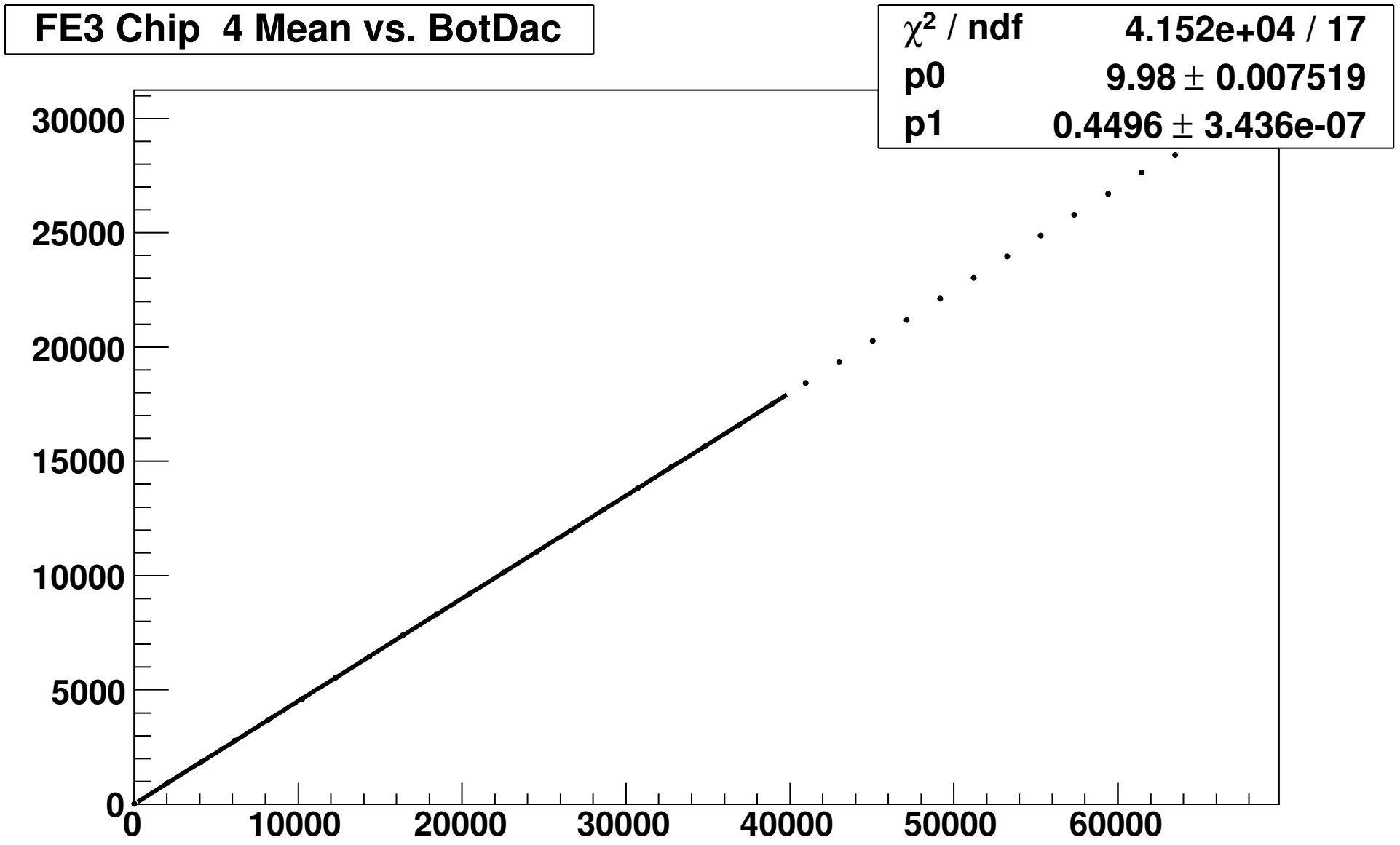

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 6.933 / 17
p0 1.529 ± 0.00264
p1 1.512e-12 ± 5.787e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 2.166e+04 / 17
p0 12.58 ± 0.007892
p1 0.4494 ± 3.673e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 186.8 / 17
p0 1.468 ± 0.004283
p1 3.377e-05 ± 3.302e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 117.5 / 17
p0 12.72 ± 0.008029
p1 -1.089e-06 ± 3.44e-07
12.8
12.75
12.7
12.65
12.6
12.55
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 9.467 / 17
p0 1.585 ± 0.004175
p1 2.175e-06 ± 4.218e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 4.152e+04 / 17
p0 9.98 ± 0.007519
p1 0.4496 ± 3.436e-07
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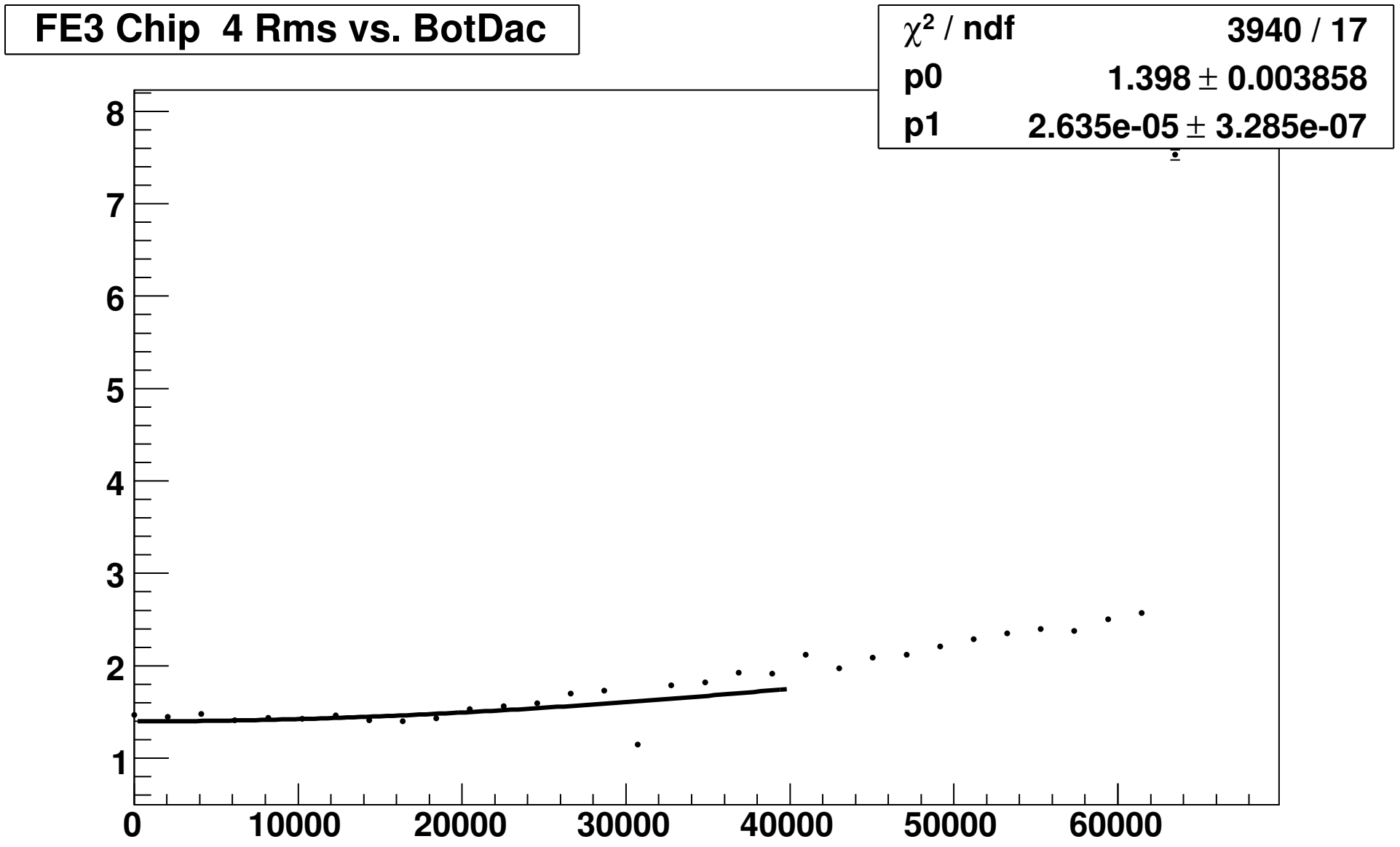
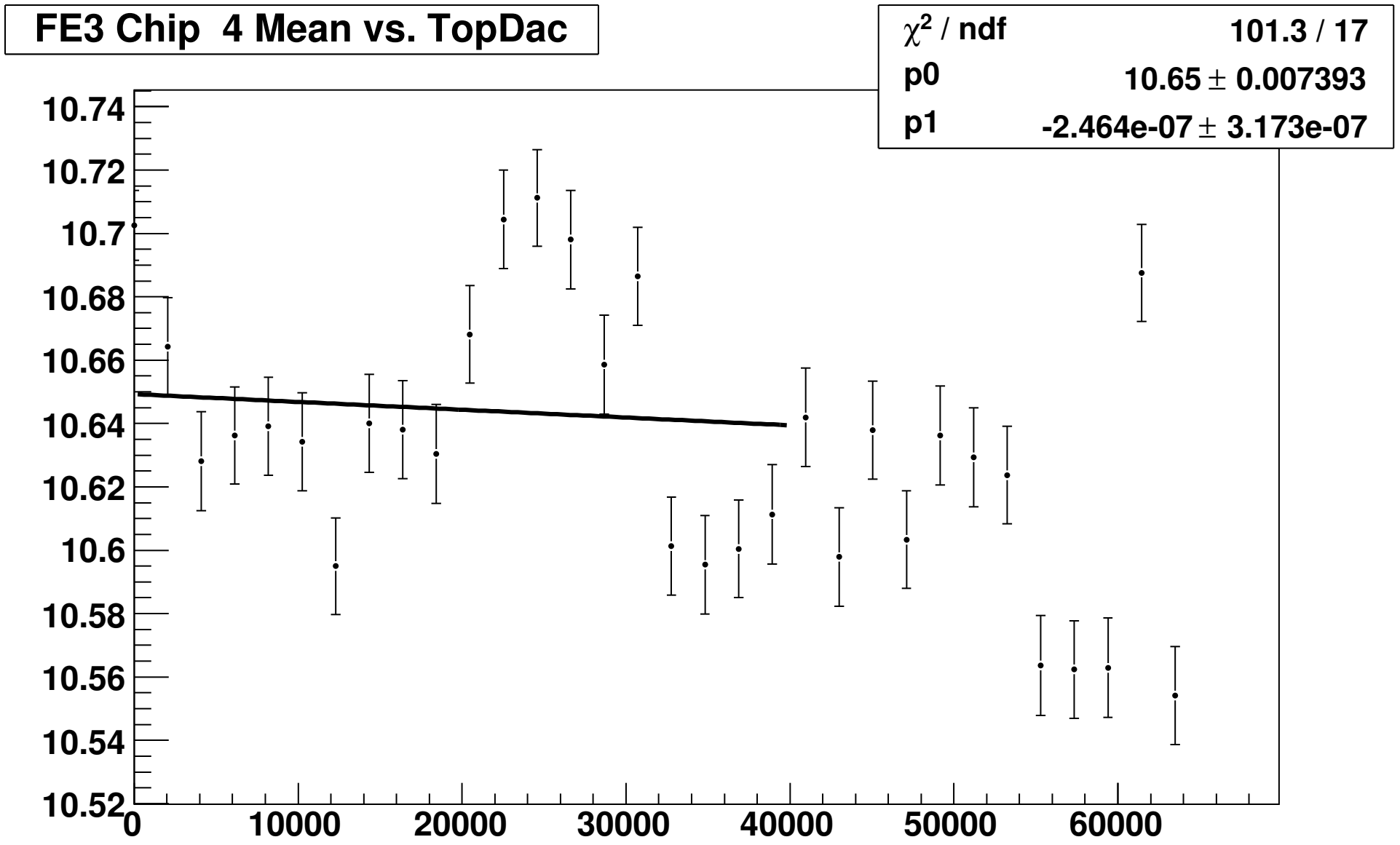
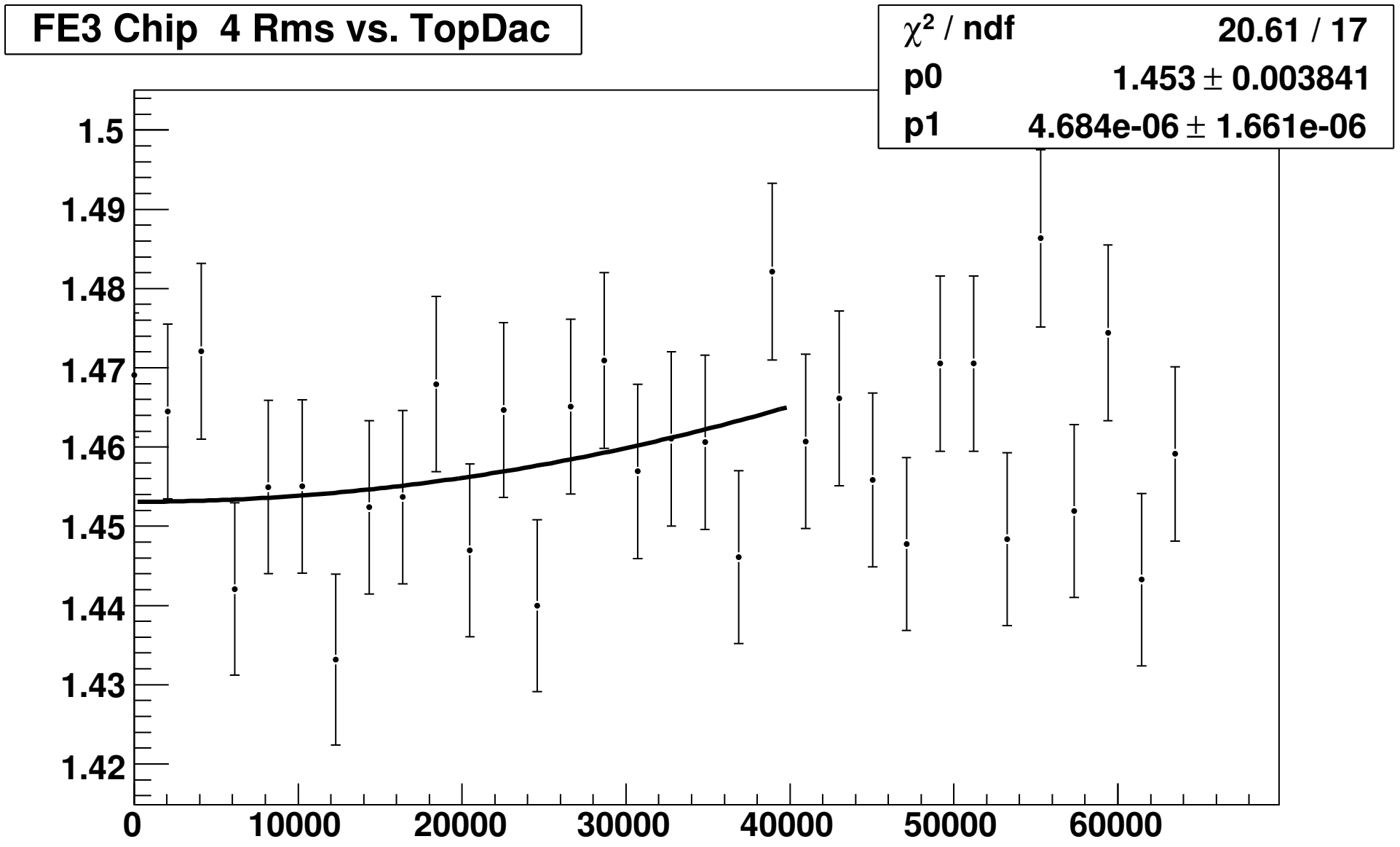
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 3940 / 17
p0 1.398 ± 0.003858
p1 2.635e-05 ± 3.285e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 101.3 / 17
p0 10.65 ± 0.007393
p1 -2.464e-07 ± 3.173e-07
10.74
10.72
10.7
10.68
10.66
10.64
10.62
10.6
10.58
10.56
10.54
10.52
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 20.61 / 17
p0 1.453 ± 0.003841
p1 4.684e-06 ± 1.661e-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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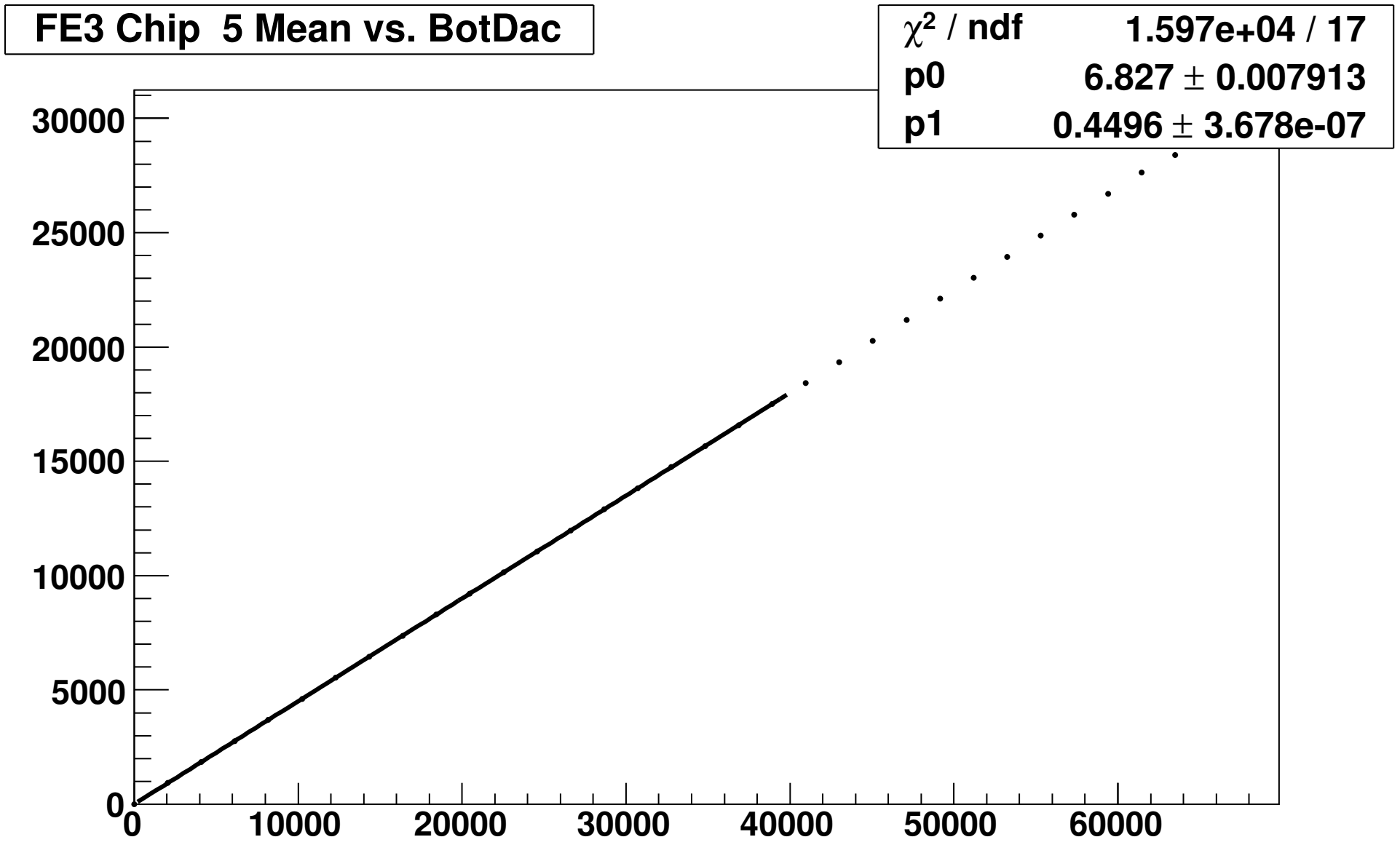
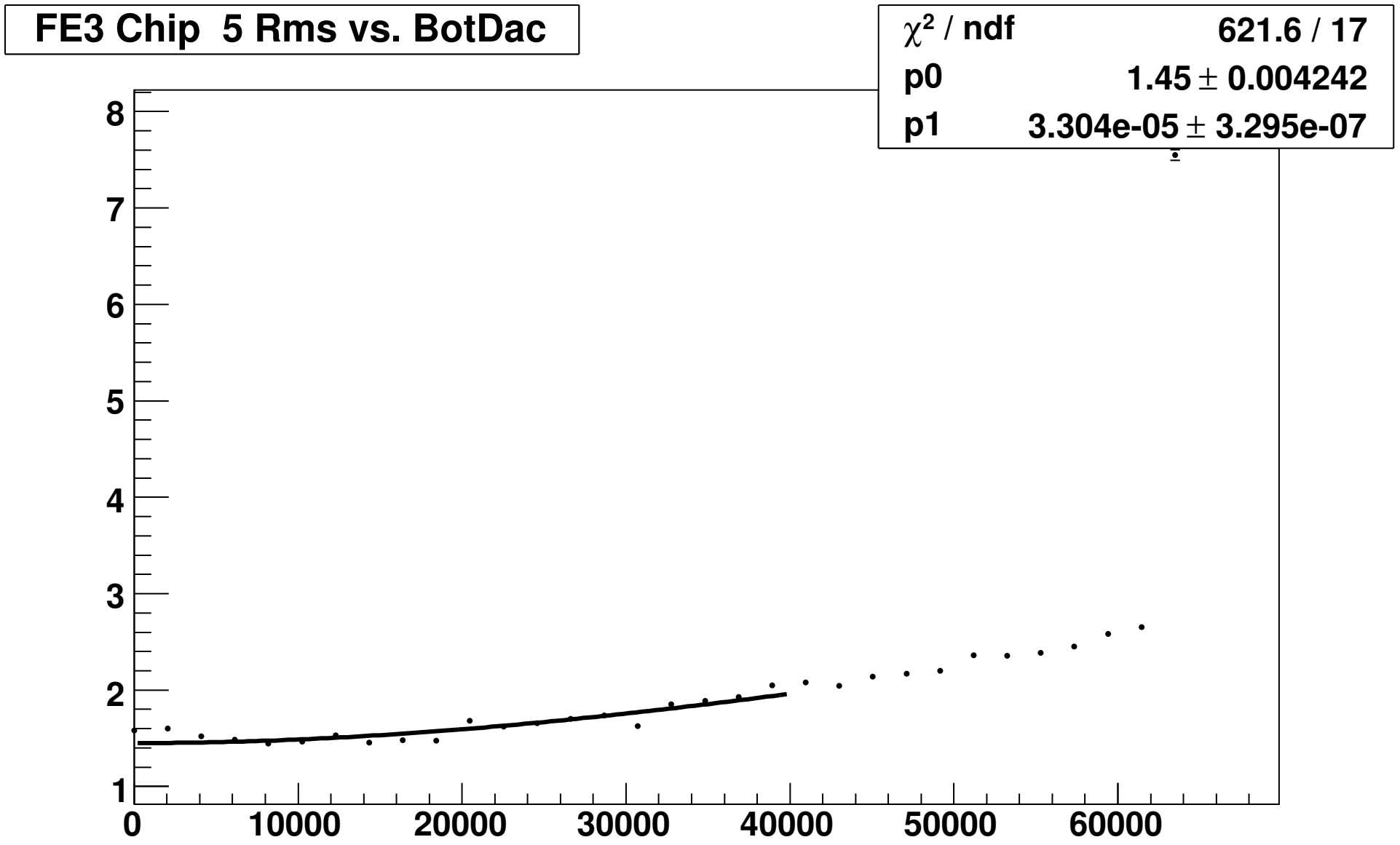
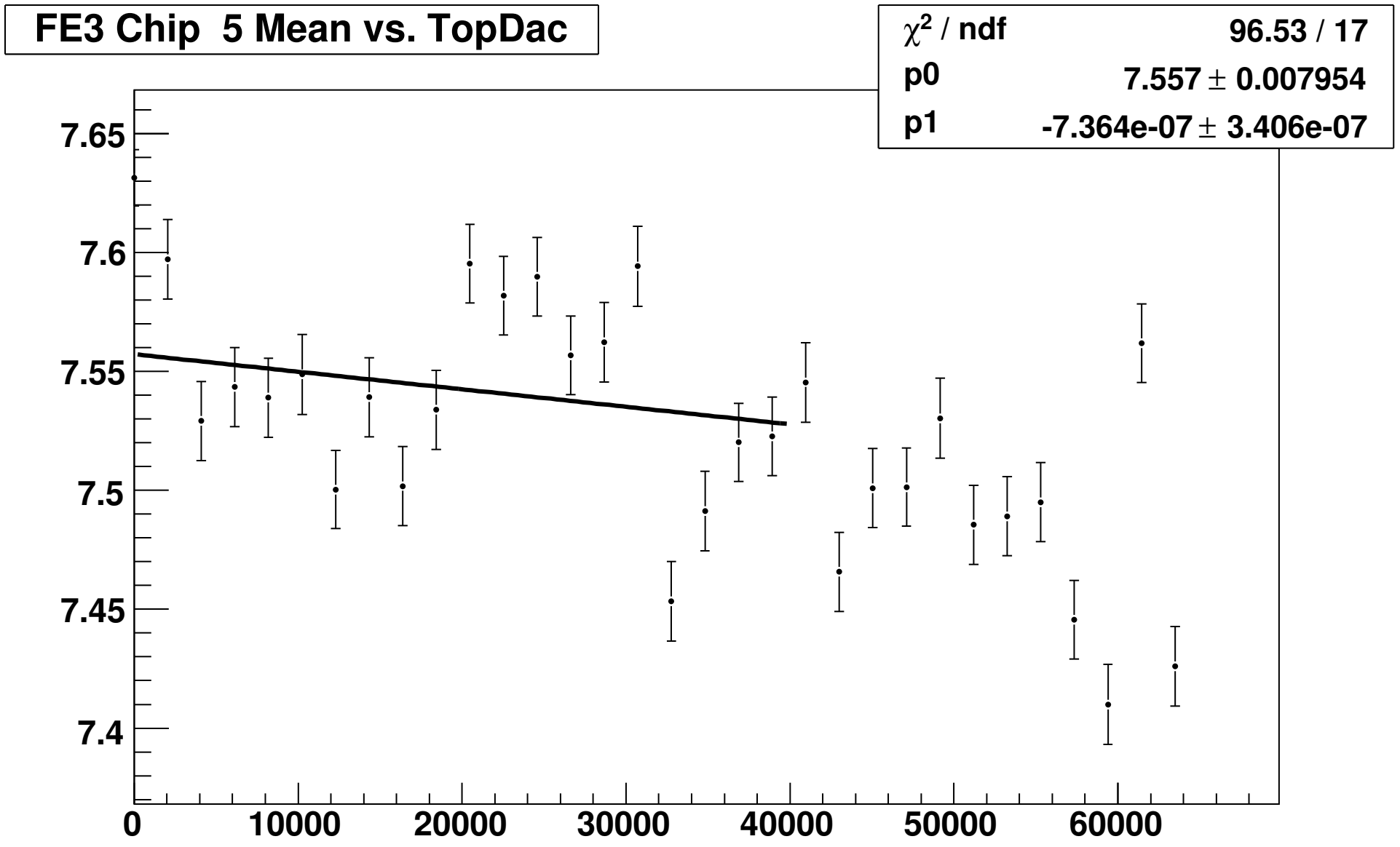
30000
40000
50000
60000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.597e+04 / 17
p0 6.827 ± 0.007913
p1 0.4496 ± 3.678e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 621.6 / 17
p0 1.45 ± 0.004242
p1 3.304e-05 ± 3.295e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 96.53 / 17
p0 7.557 ± 0.007954
p1 -7.364e-07 ± 3.406e-07
7.65
7.6
7.55
7.5
7.45
7.4
0
10000
20000
30000
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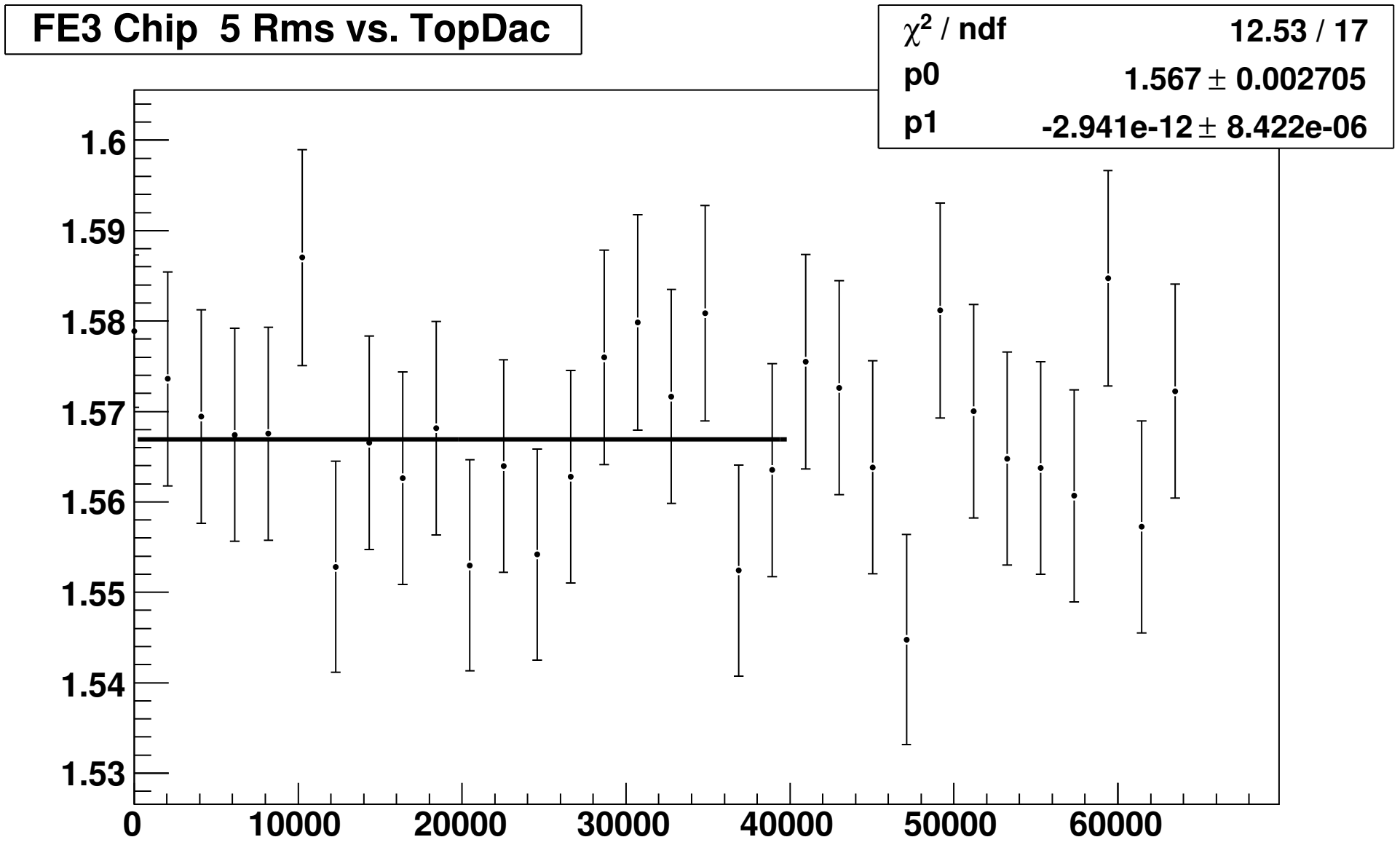
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 12.53 / 17
p0 1.567 ± 0.002705
p1 -2.941e-12 ± 8.422e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
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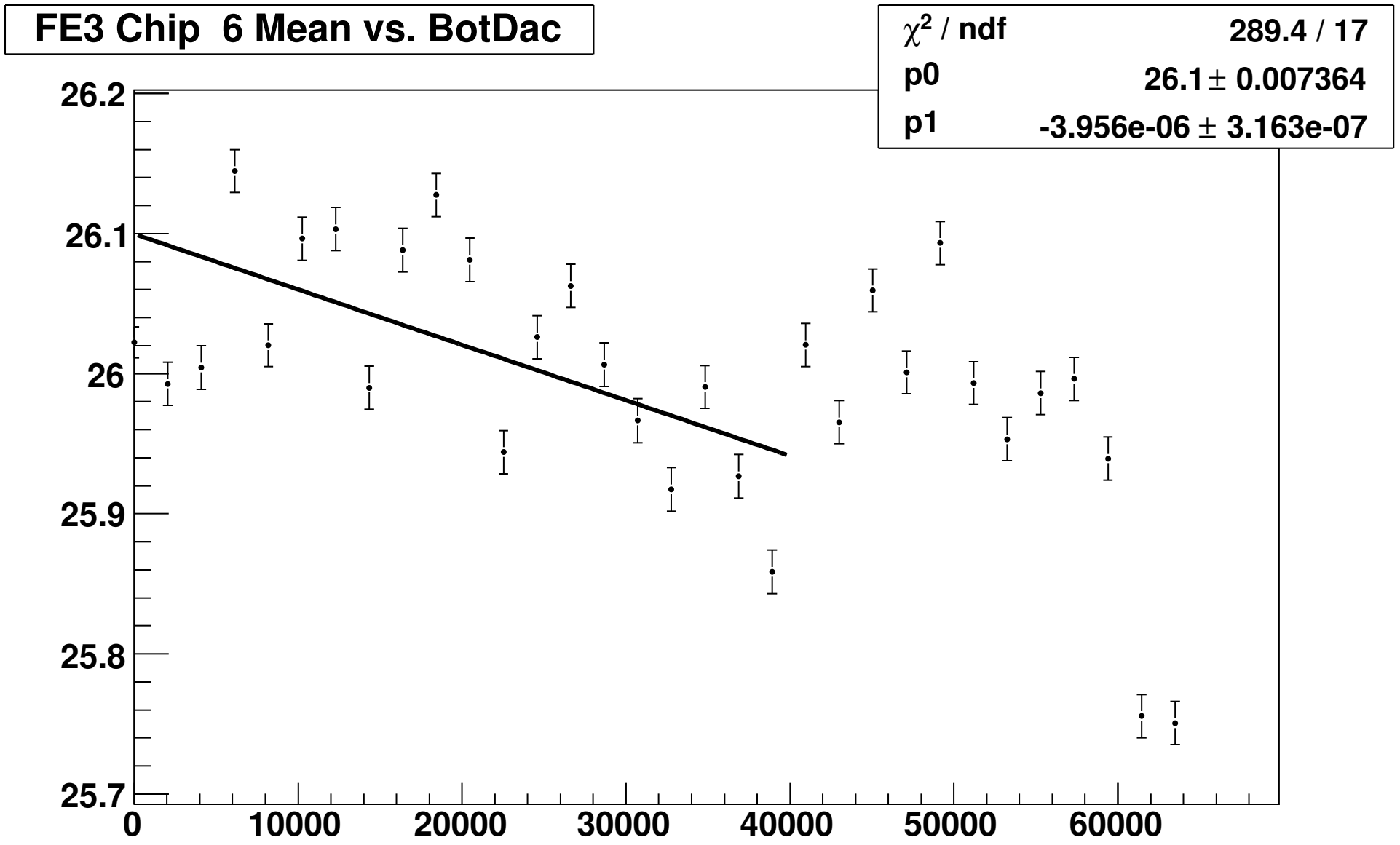
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 289.4 / 17
p0 26.1 ± 0.007364
p1 -3.956e-06 ± 3.163e-07
26.2
26.1
26
25.9
25.8
25.7
0
10000
20000
30000
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50000
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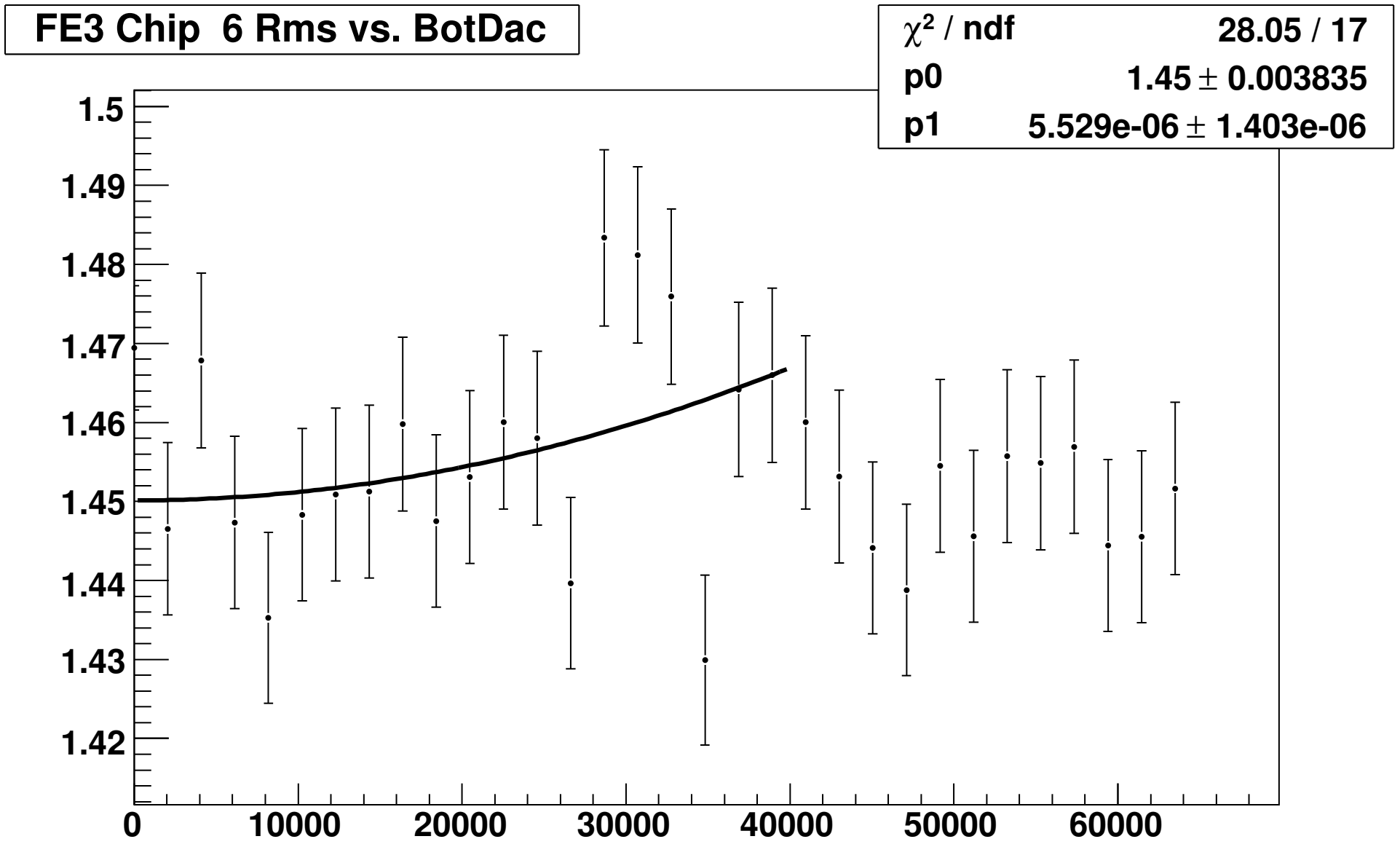
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 28.05 / 17
p0 1.45 ± 0.003835
p1 5.529e-06 ± 1.403e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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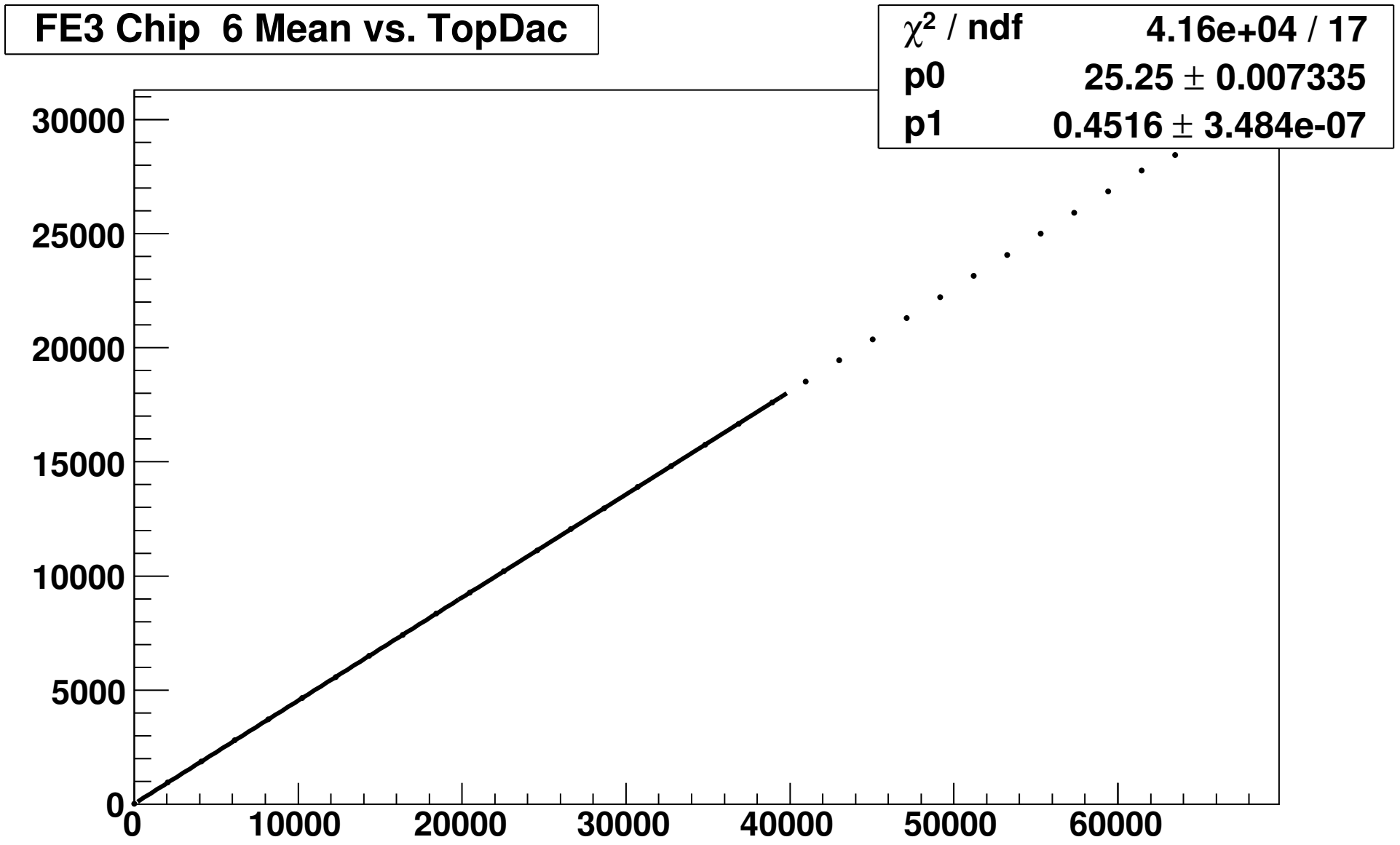
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 4.16e+04 / 17
p0 25.25 ± 0.007335
p1 0.4516 ± 3.484e-07
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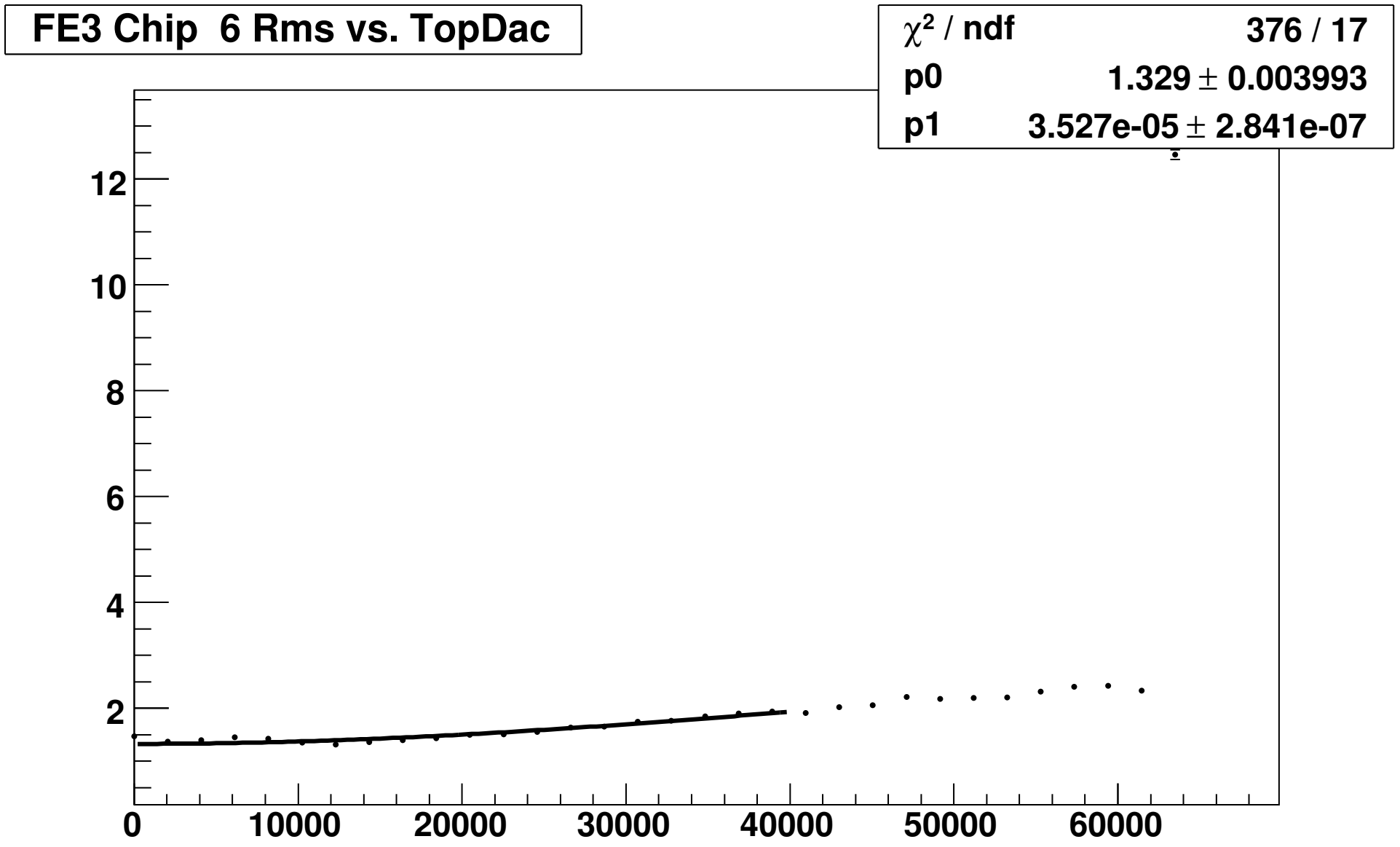
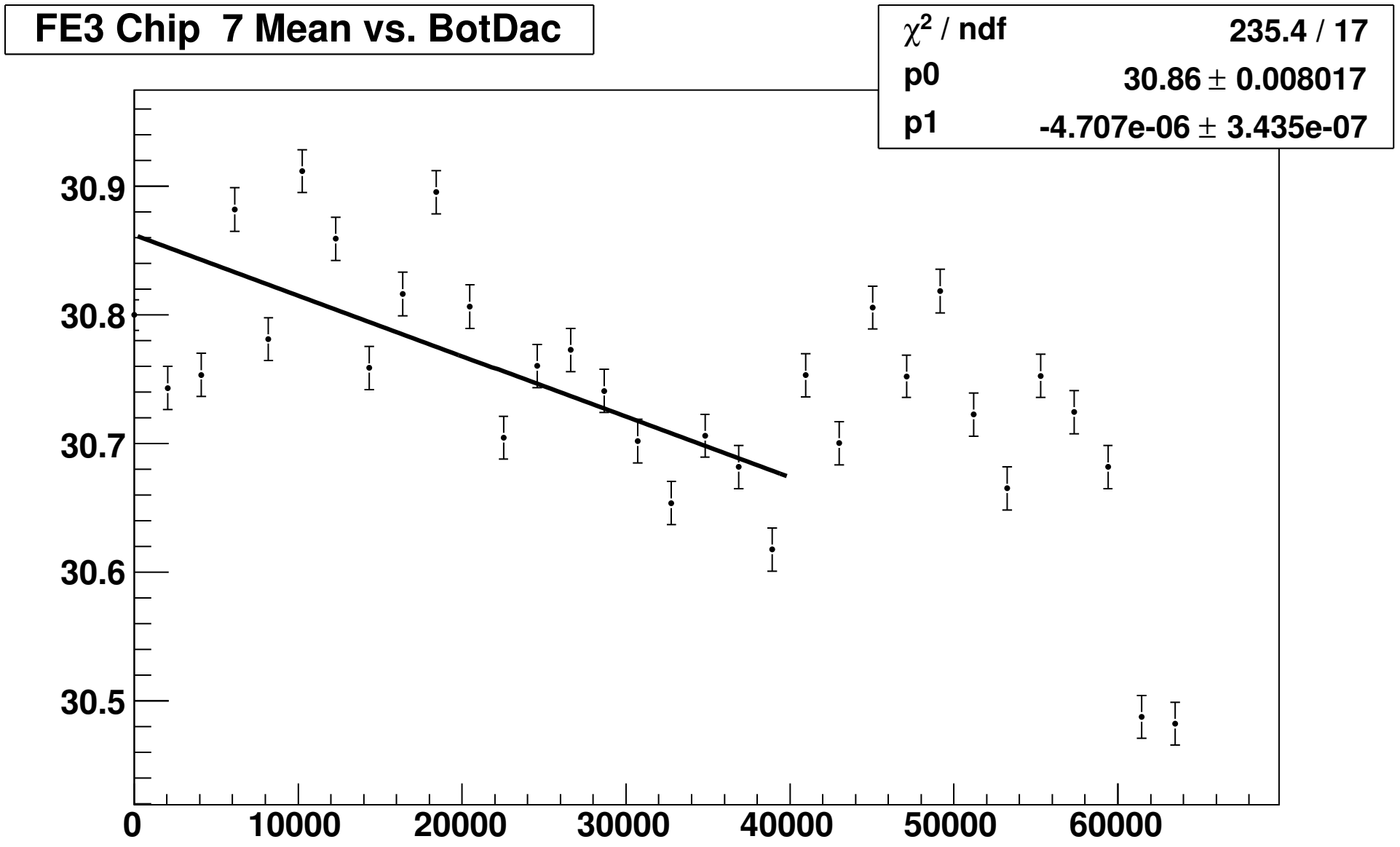
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 376 / 17
p0 1.329 ± 0.003993
p1 3.527e-05 ± 2.841e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 235.4 / 17
p0 30.86 ± 0.008017
p1 -4.707e-06 ± 3.435e-07
30.9
30.8
30.7
30.6
30.5
0
10000
20000
30000
40000
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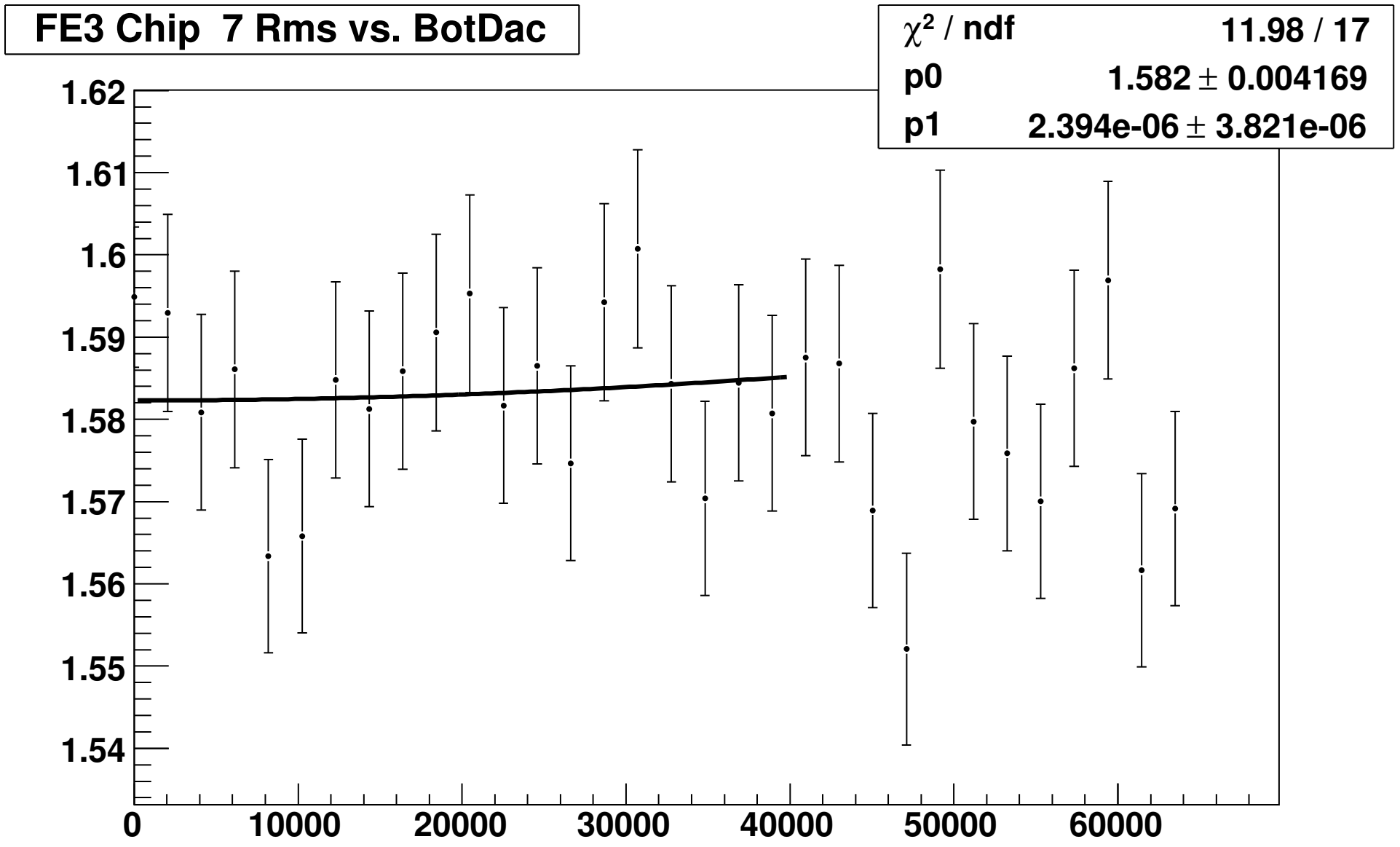
60000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 11.98 / 17
p0 1.582 ± 0.004169
p1 2.394e-06 ± 3.821e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
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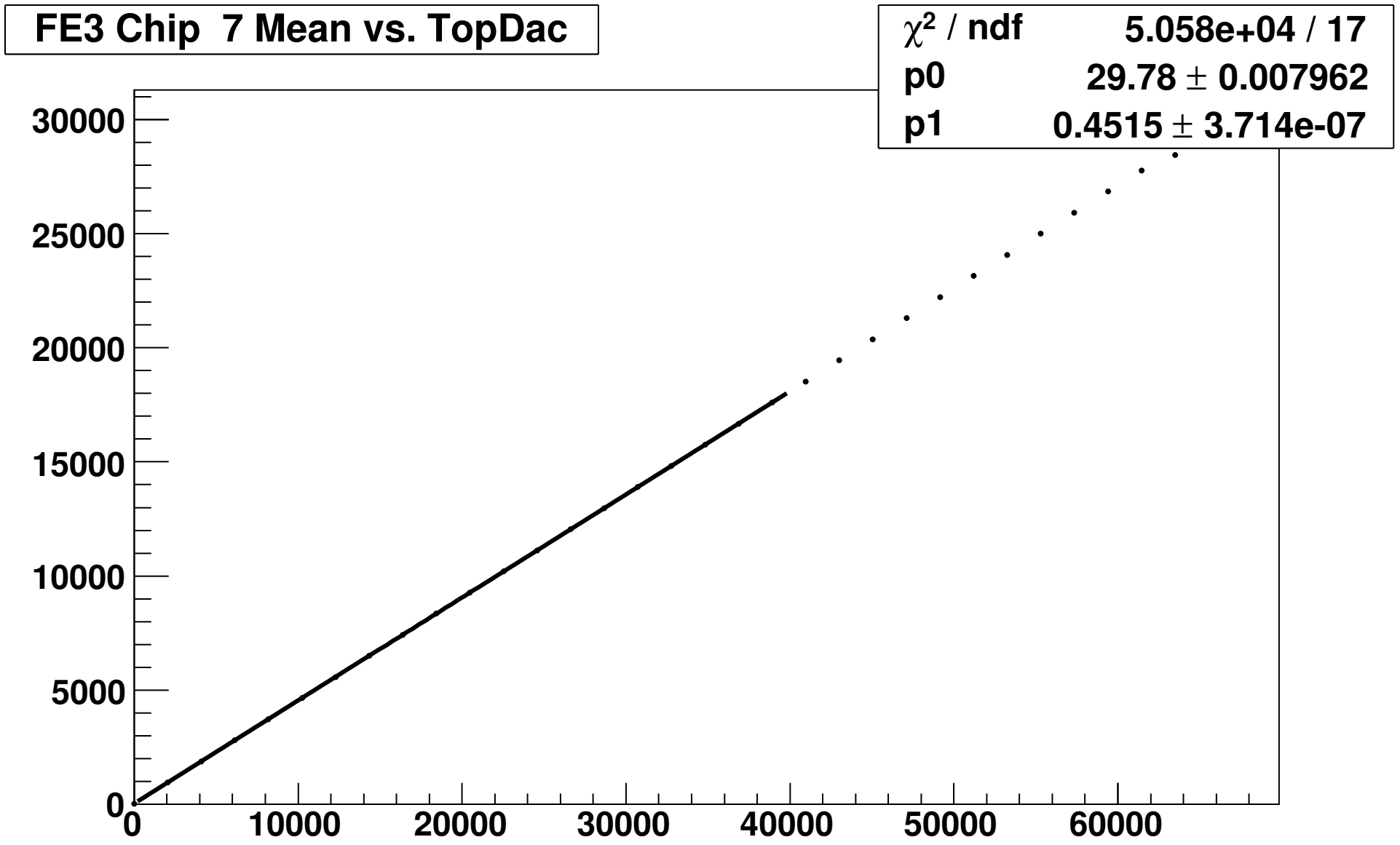
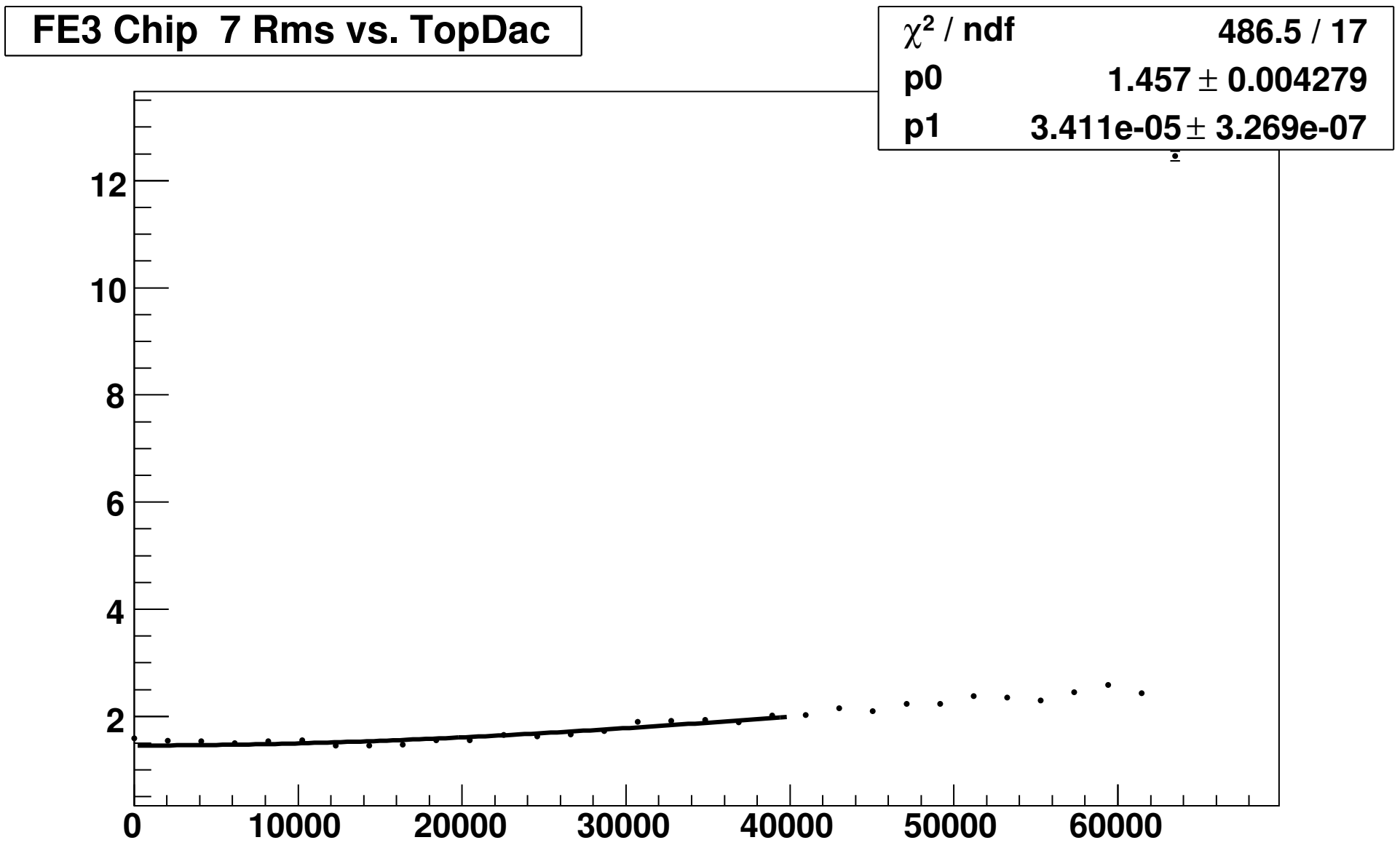
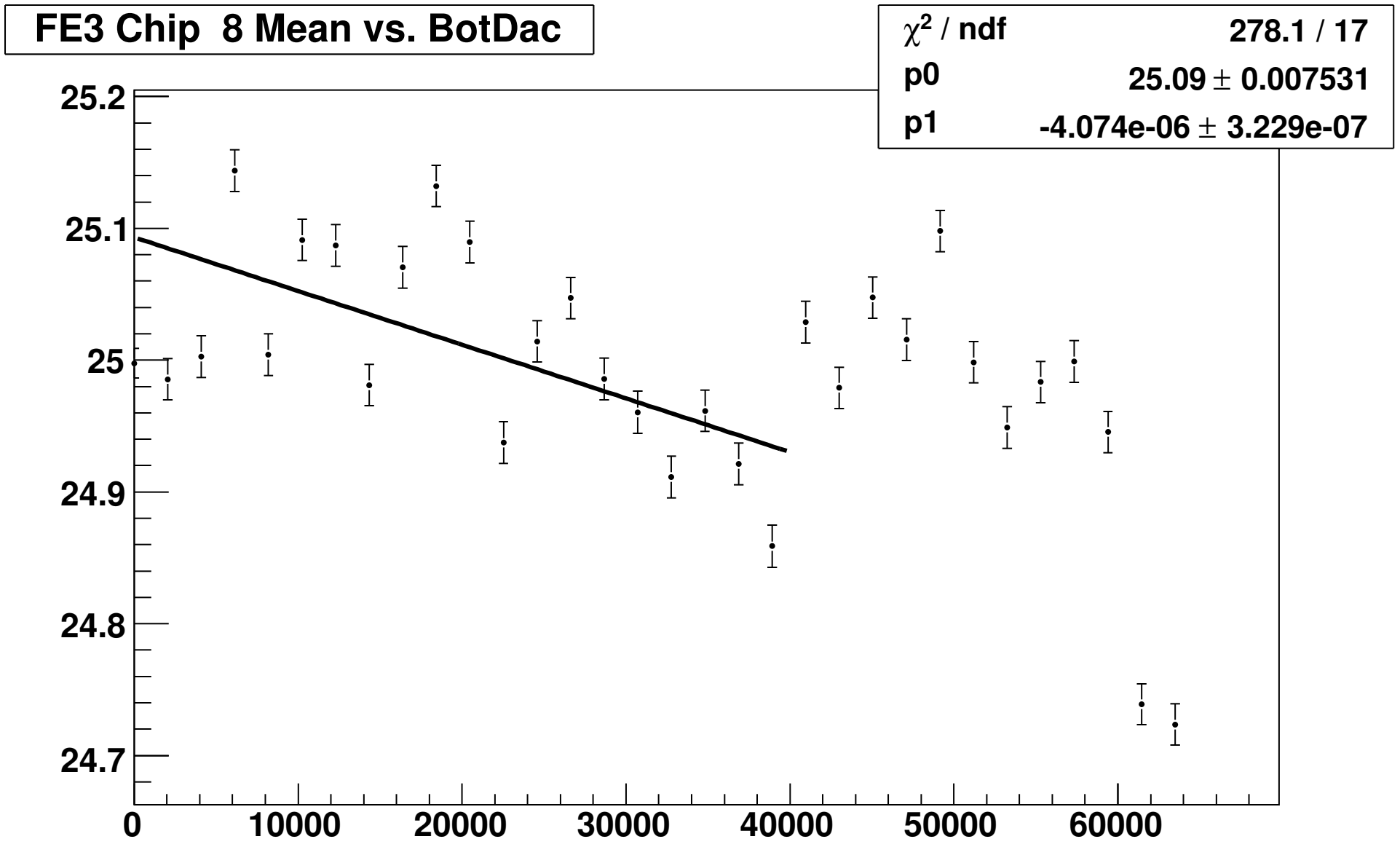
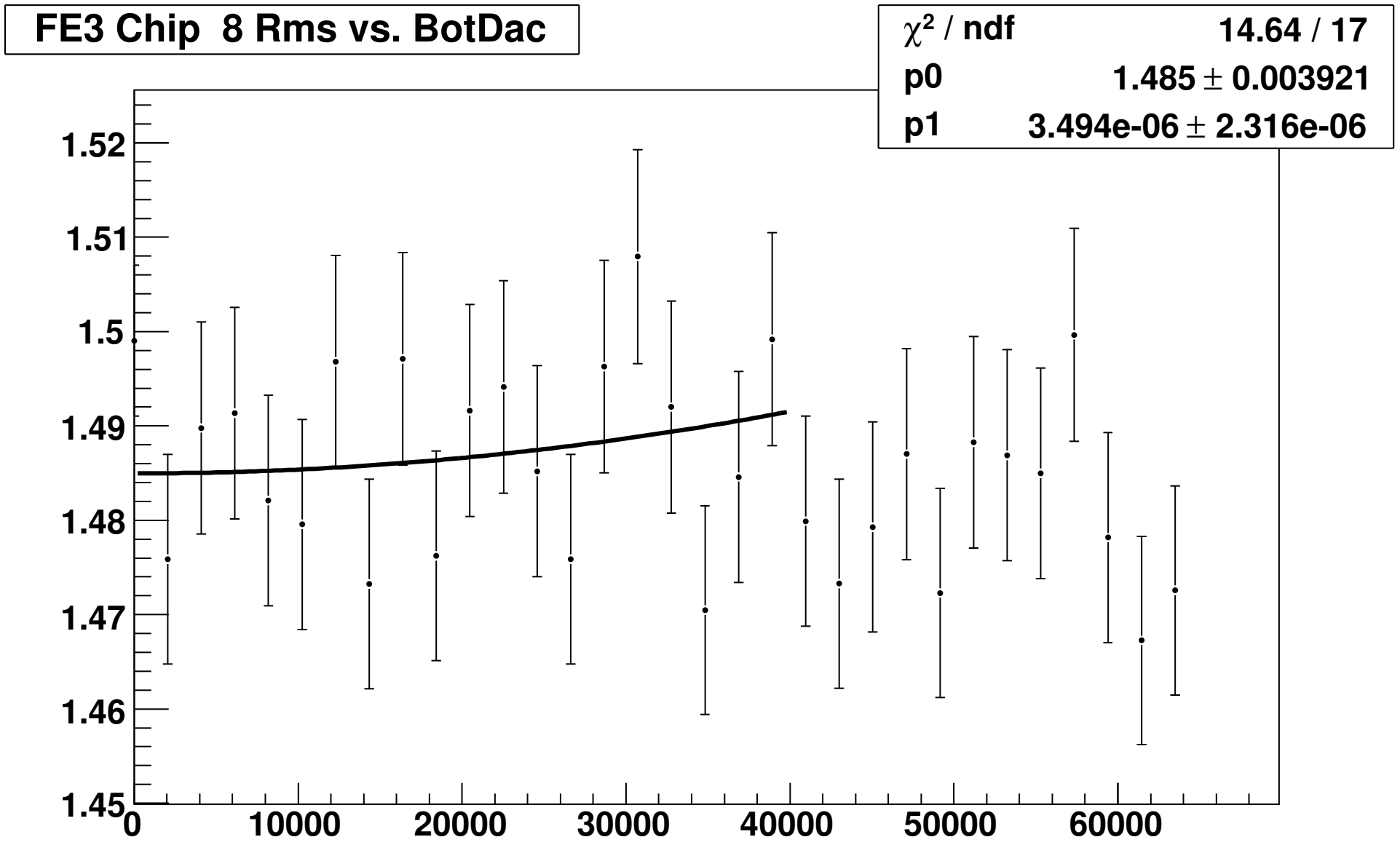
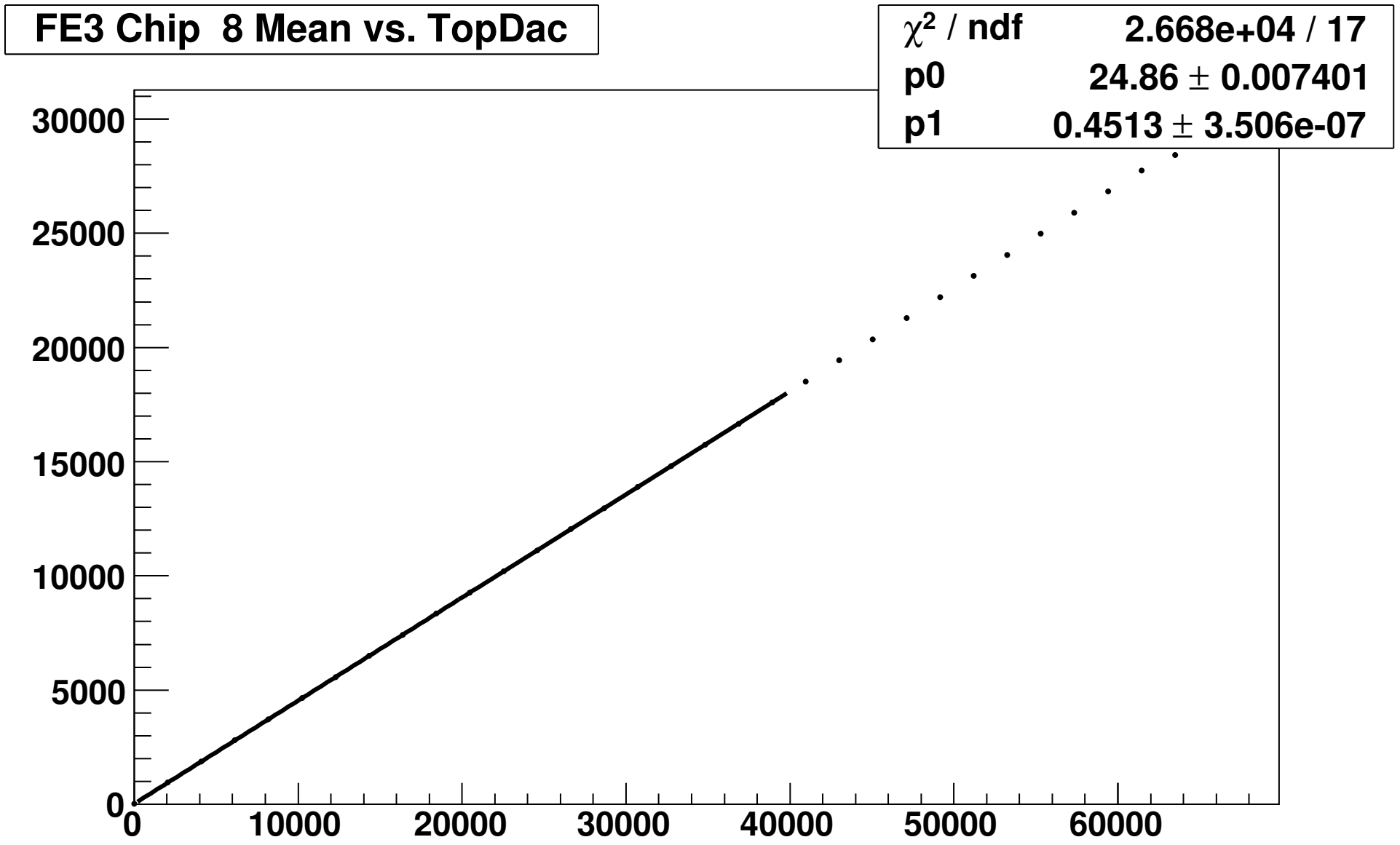
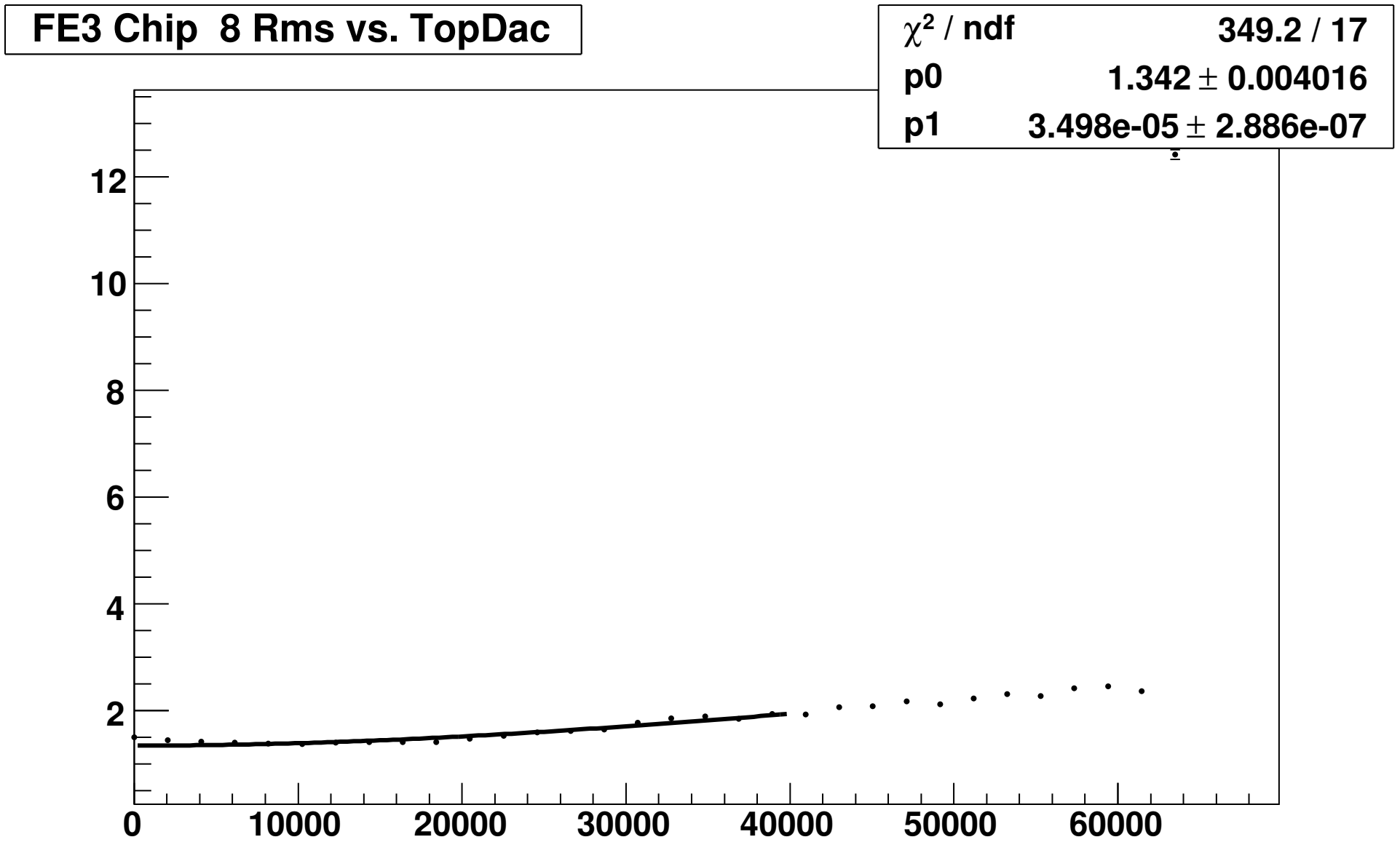

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 5.058e+04 / 17
p0 29.78 ± 0.007962
p1 0.4515 ± 3.714e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

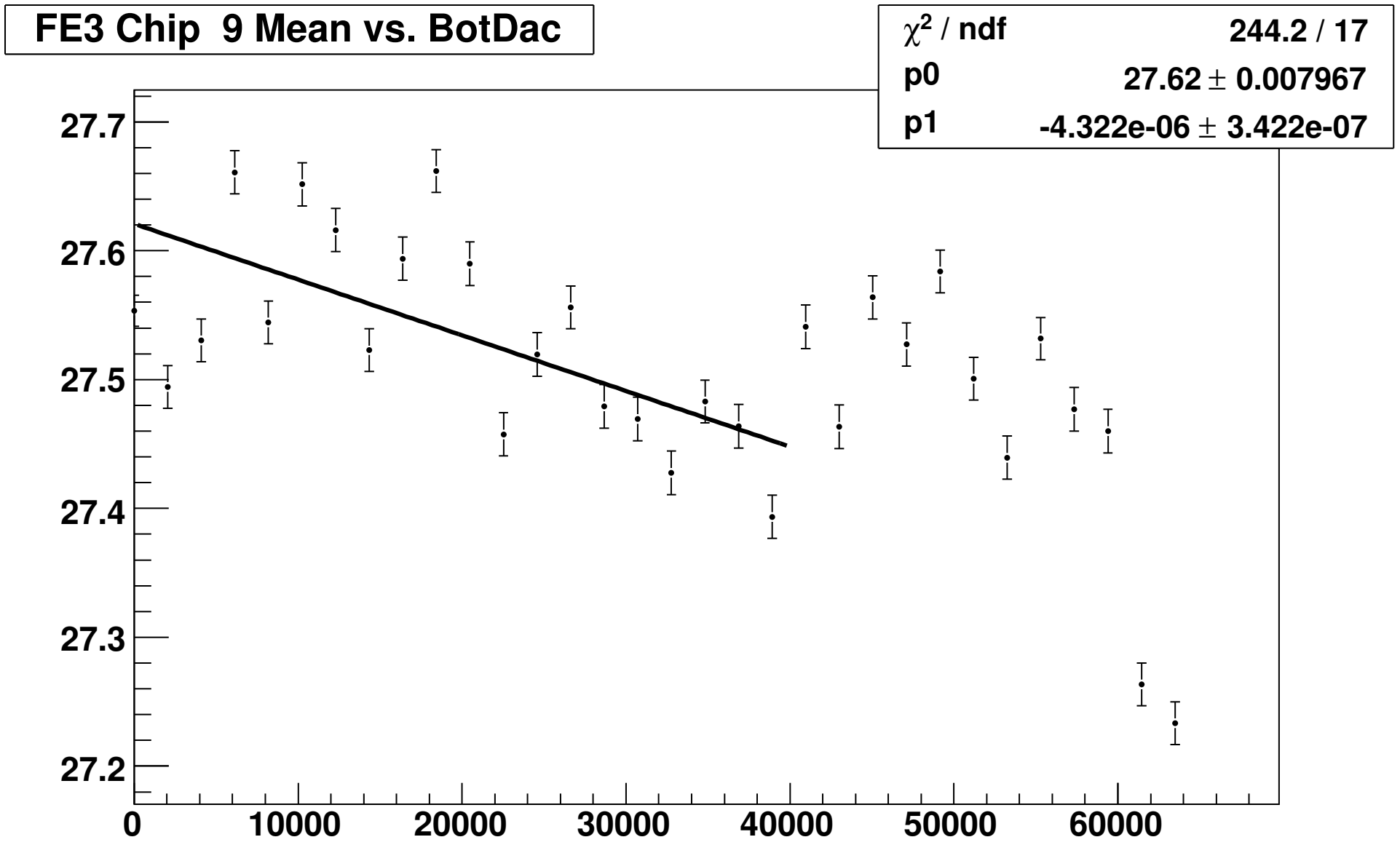

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 486.5 / 17
p0 1.457 ± 0.004279
p1 3.411e-05 ± 3.269e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

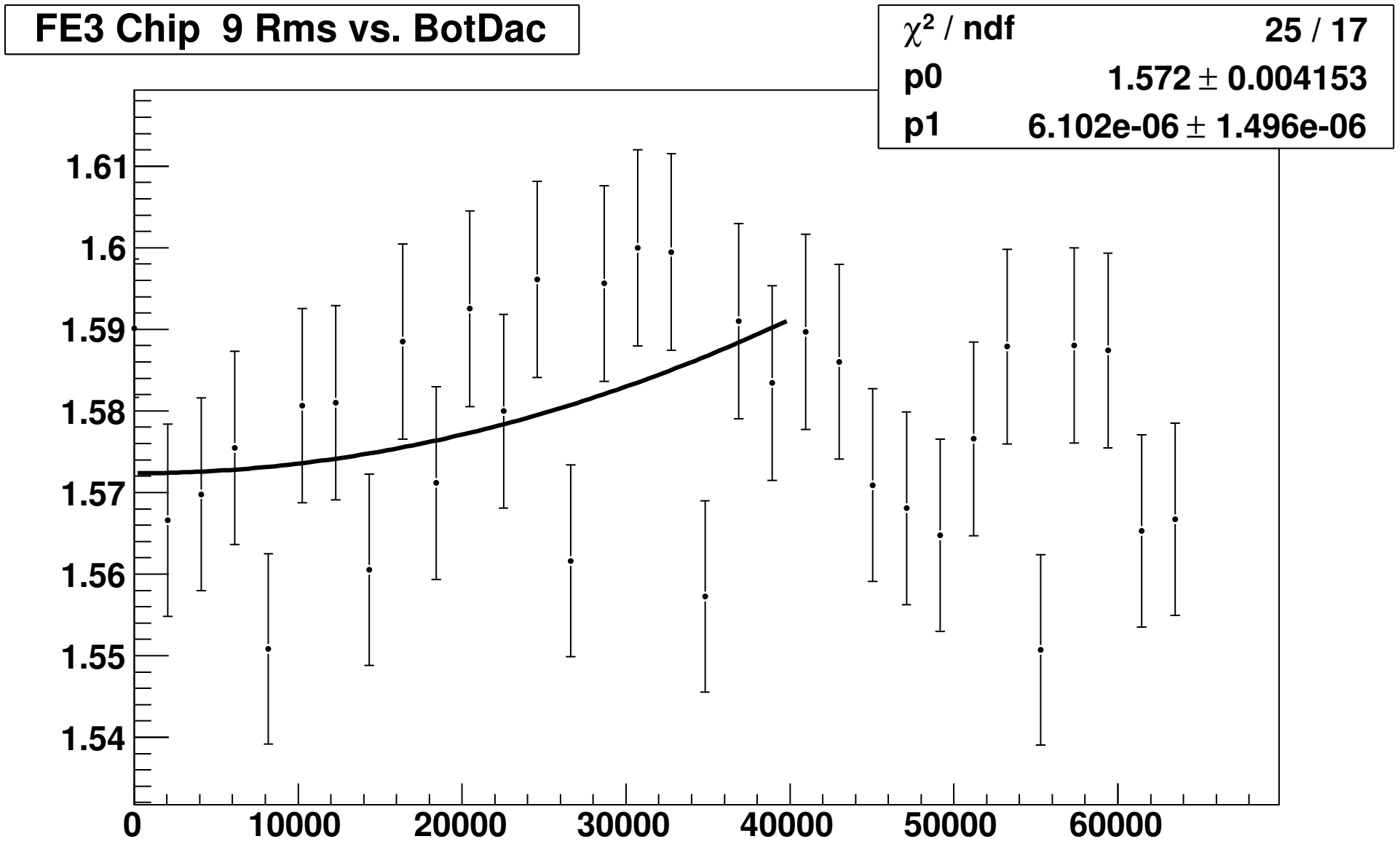

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 278.1 / 17
p0 25.09 ± 0.007531
p1 -4.074e-06 ± 3.229e-07
25.2
25.1
25
24.9
24.8
24.7
0
10000
20000
30000
40000
50000
60000

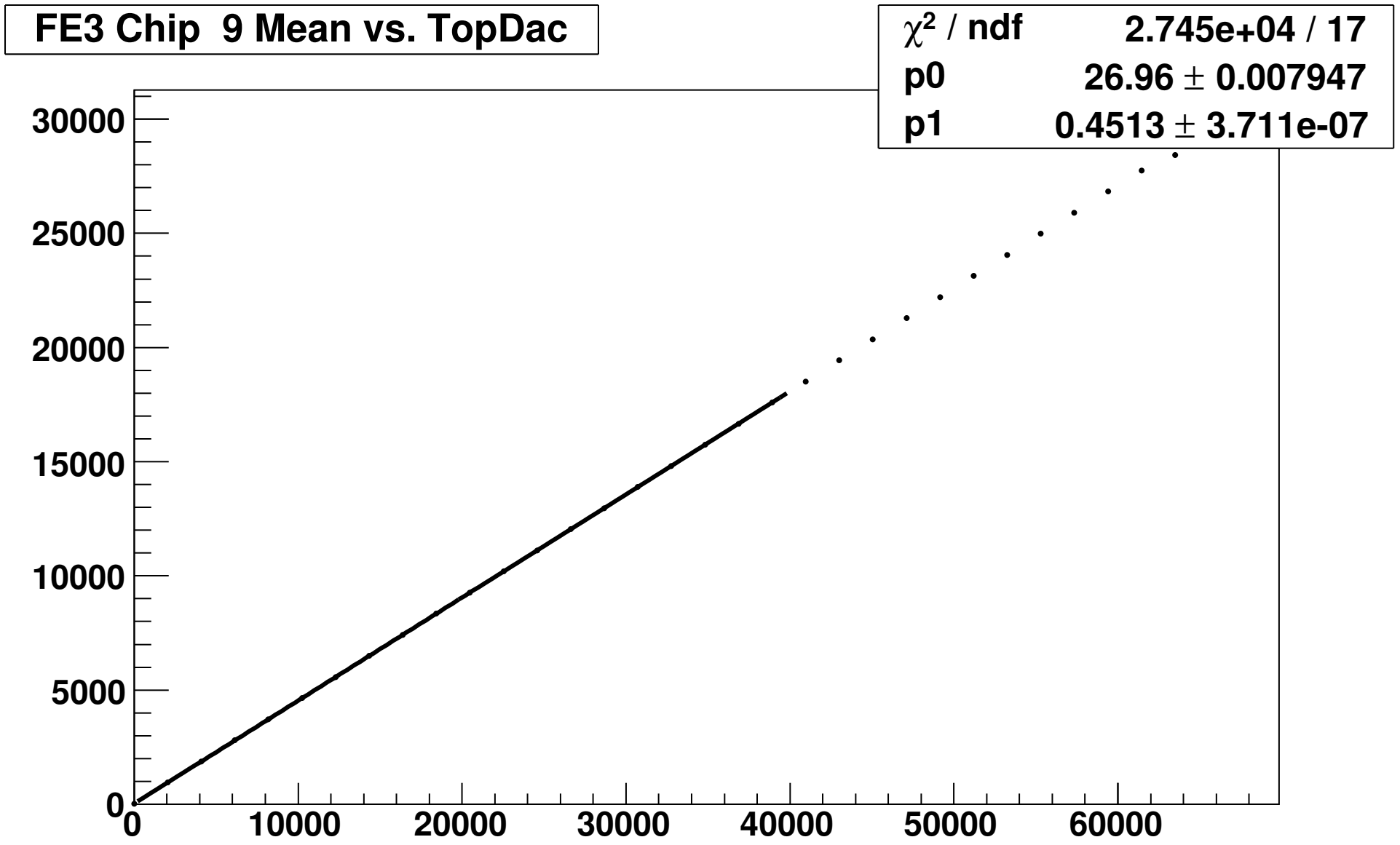

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 14.64 / 17
p0 1.485 ± 0.003921
p1 3.494e-06 ± 2.316e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

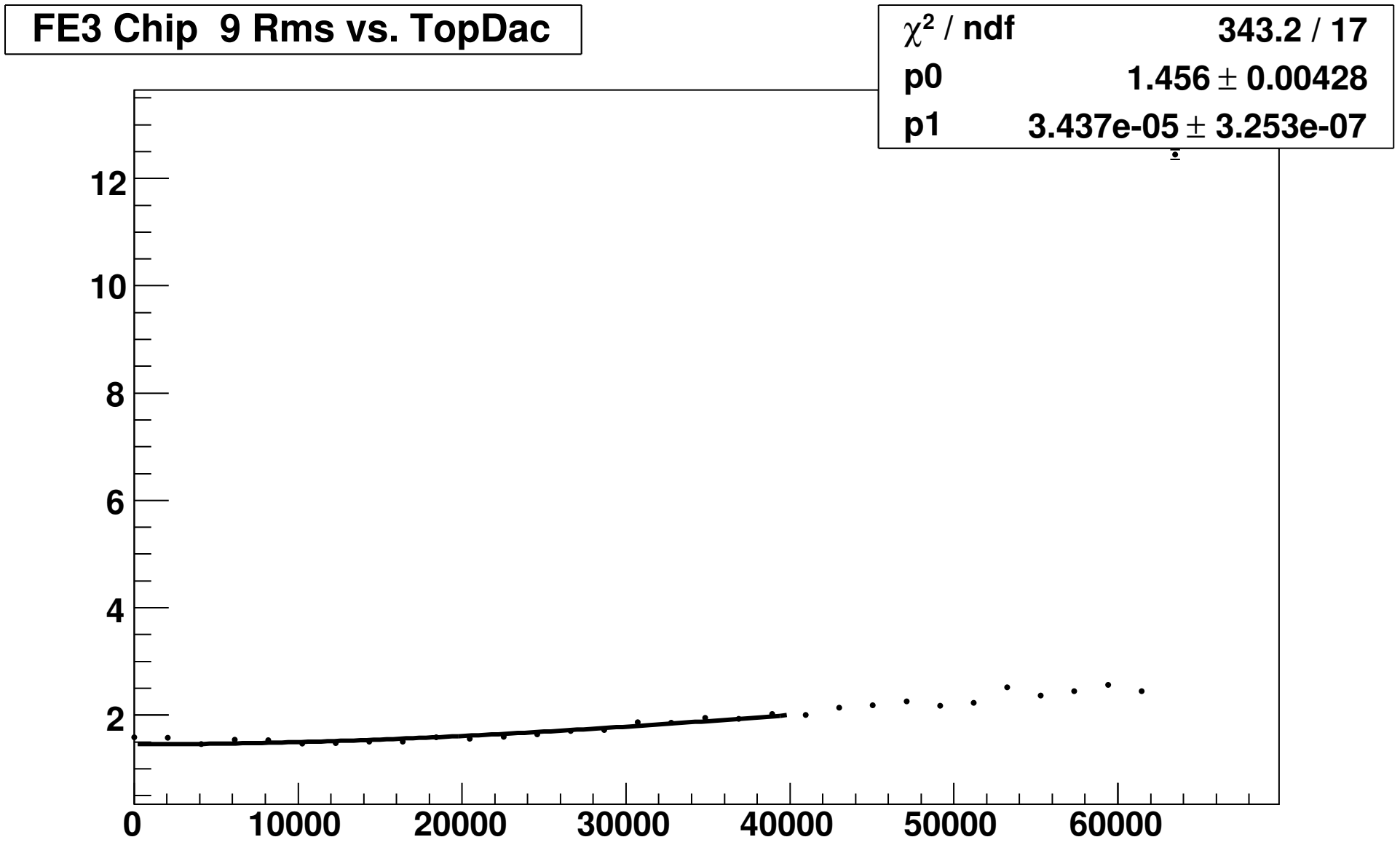

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 2.668e+04 / 17
p0 24.86 ± 0.007401
p1 0.4513 ± 3.506e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

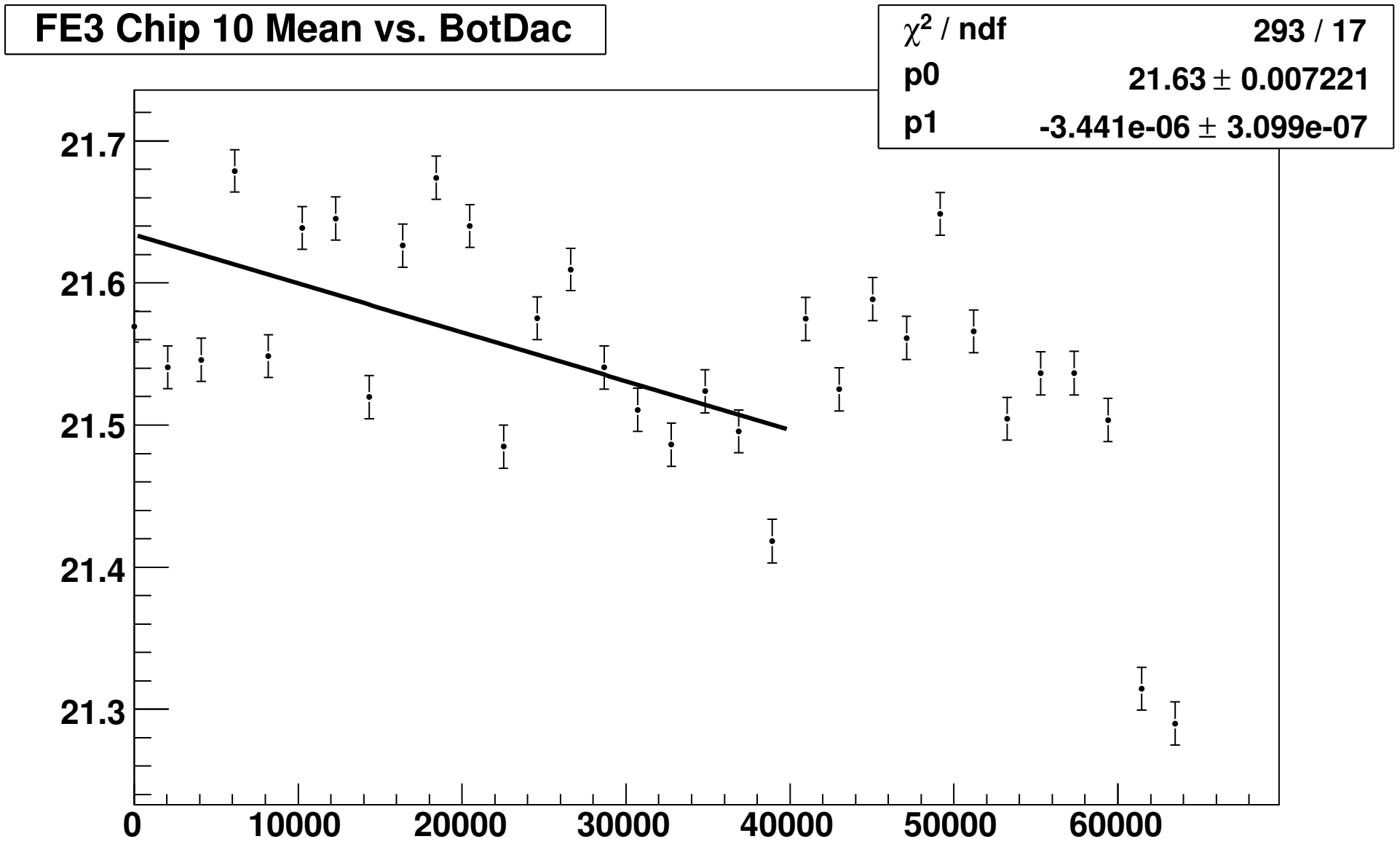

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 349.2 / 17
p0 1.342 ± 0.004016
p1 3.498e-05 ± 2.886e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

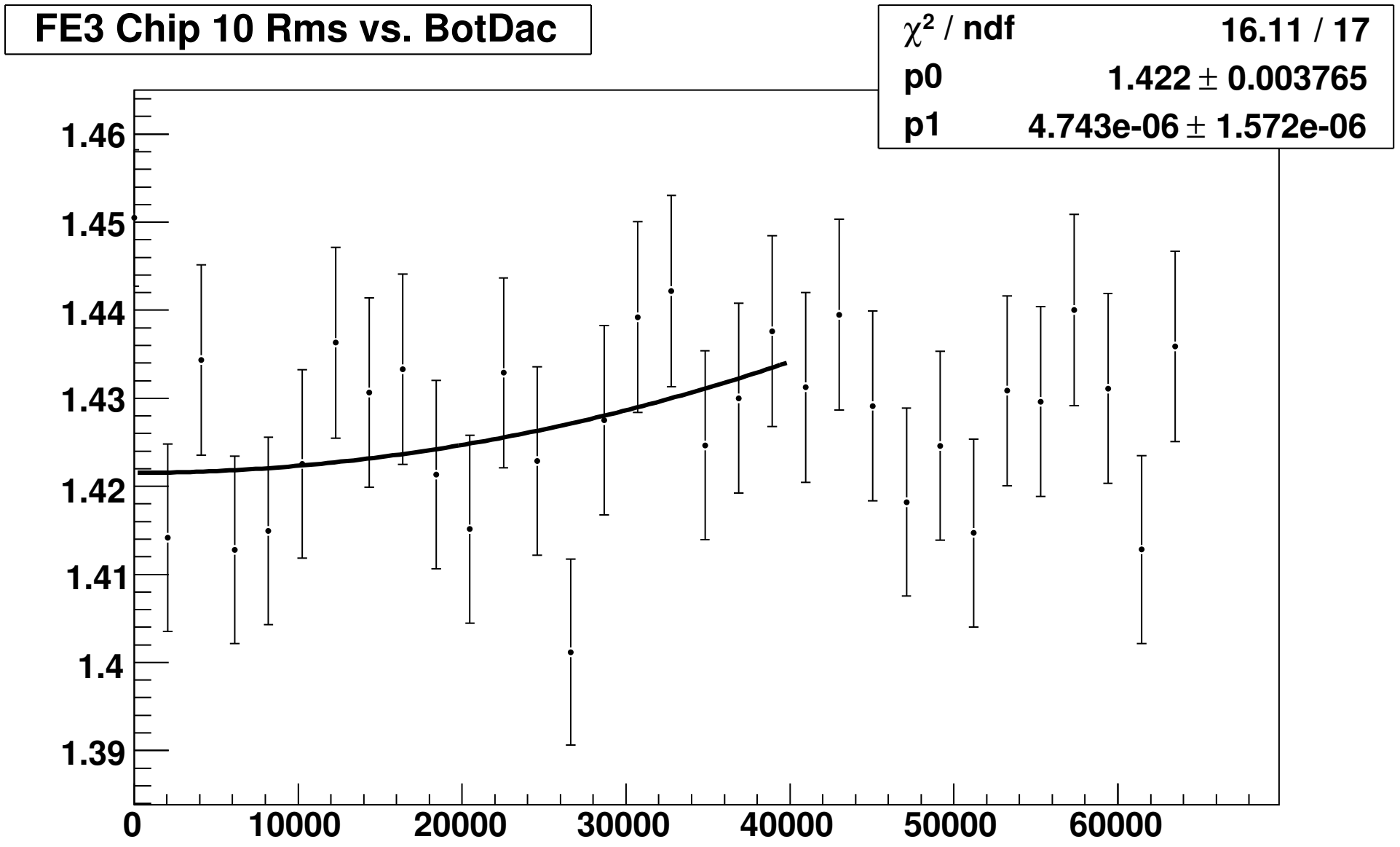

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 244.2 / 17
p0 27.62 ± 0.007967
p1 -4.322e-06 ± 3.422e-07
27.7
27.6
27.5
27.4
27.3
27.2
0
10000
20000
30000
40000
50000
60000

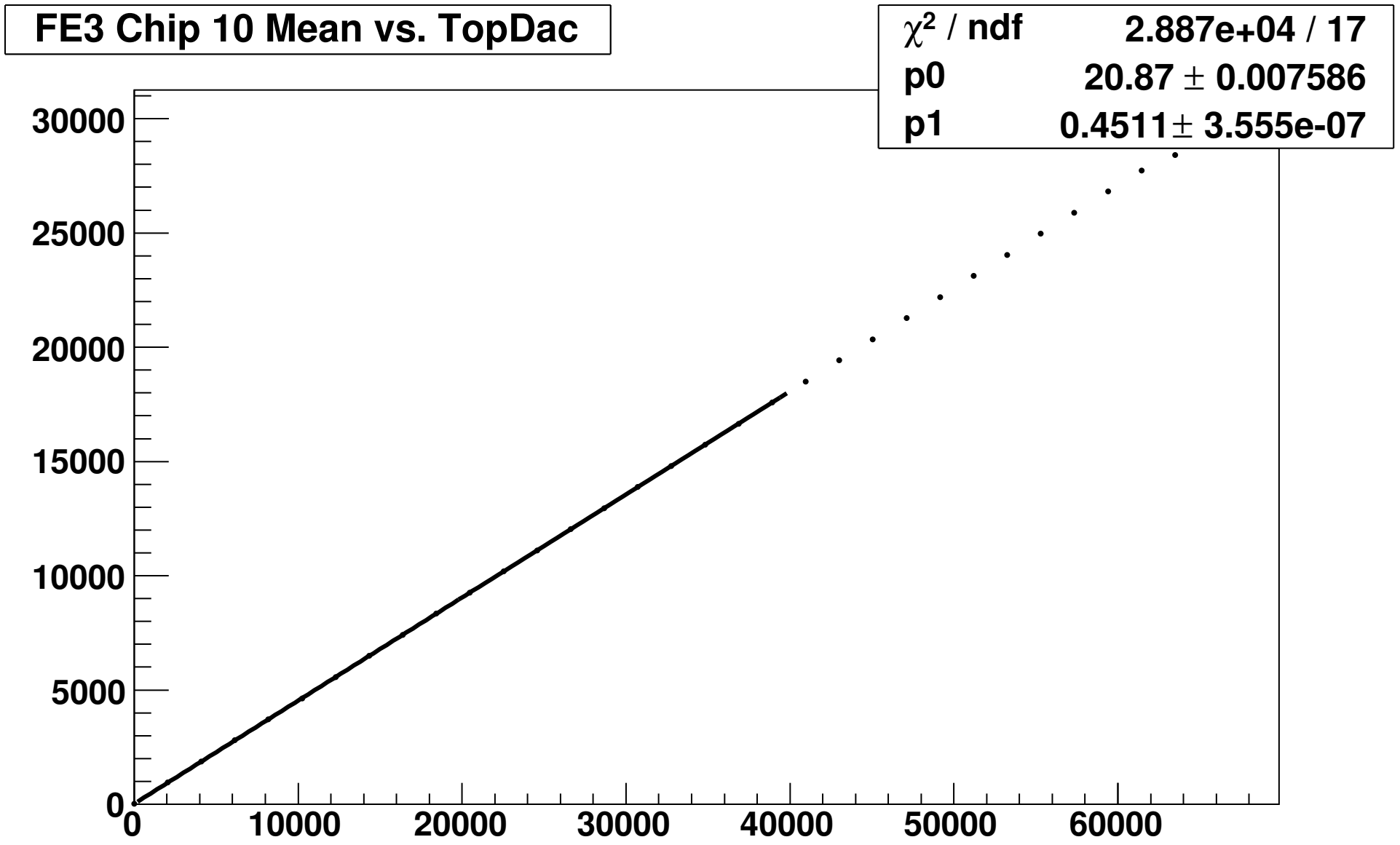

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 25 / 17
p0 1.572 ± 0.004153
p1 6.102e-06 ± 1.496e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 2.745e+04 / 17
p0 26.96 ± 0.007947
p1 0.4513 ± 3.711e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 343.2 / 17
p0 1.456 ± 0.00428
p1 3.437e-05 ± 3.253e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 293 / 17
p0 21.63 ± 0.007221
p1 -3.441e-06 ± 3.099e-07
21.7
21.6
21.5
21.4
21.3
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 16.11 / 17
p0 1.422 ± 0.003765
p1 4.743e-06 ± 1.572e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.887e+04 / 17
p0 20.87 ± 0.007586
p1 0.4511± 3.555e-07
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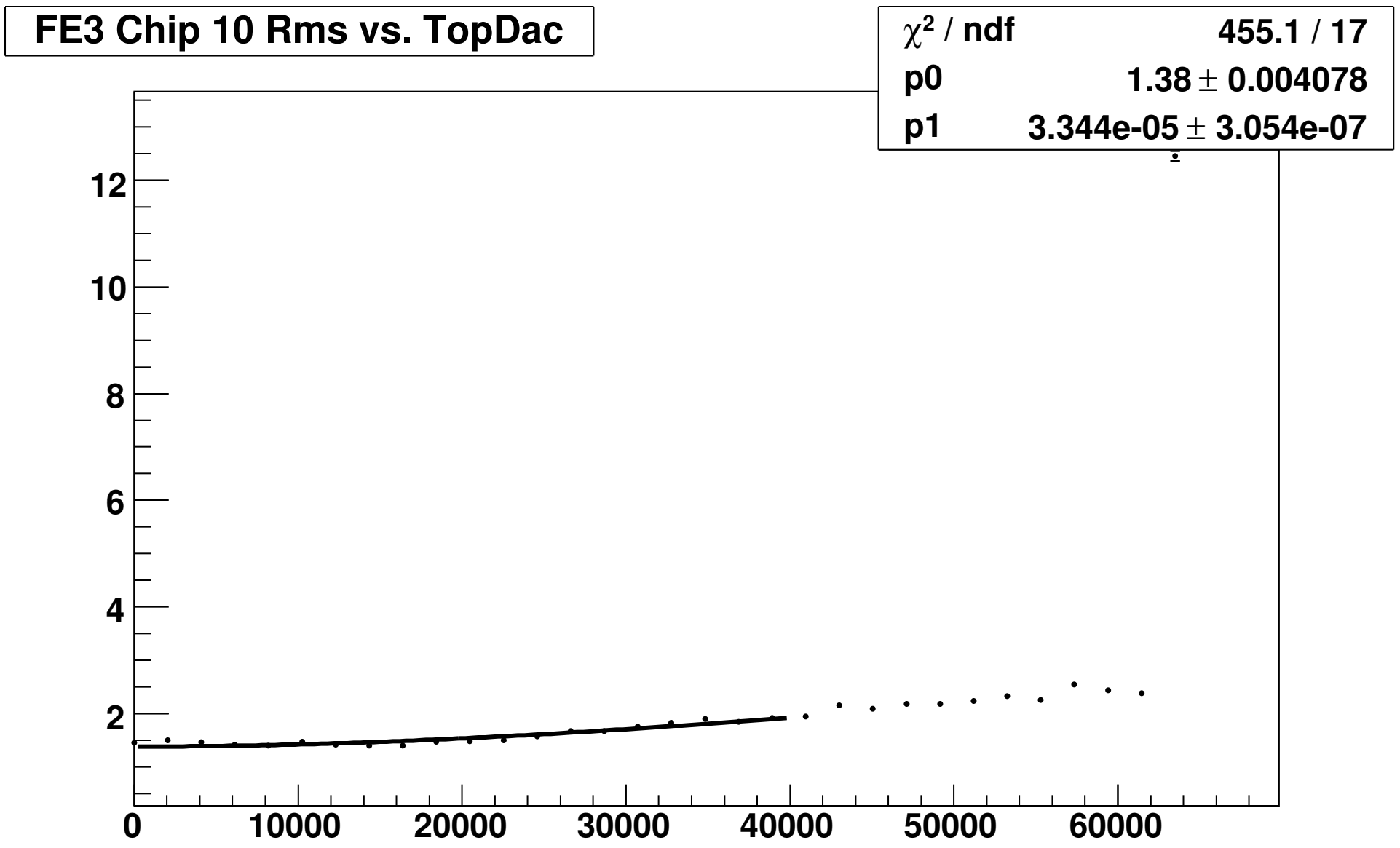
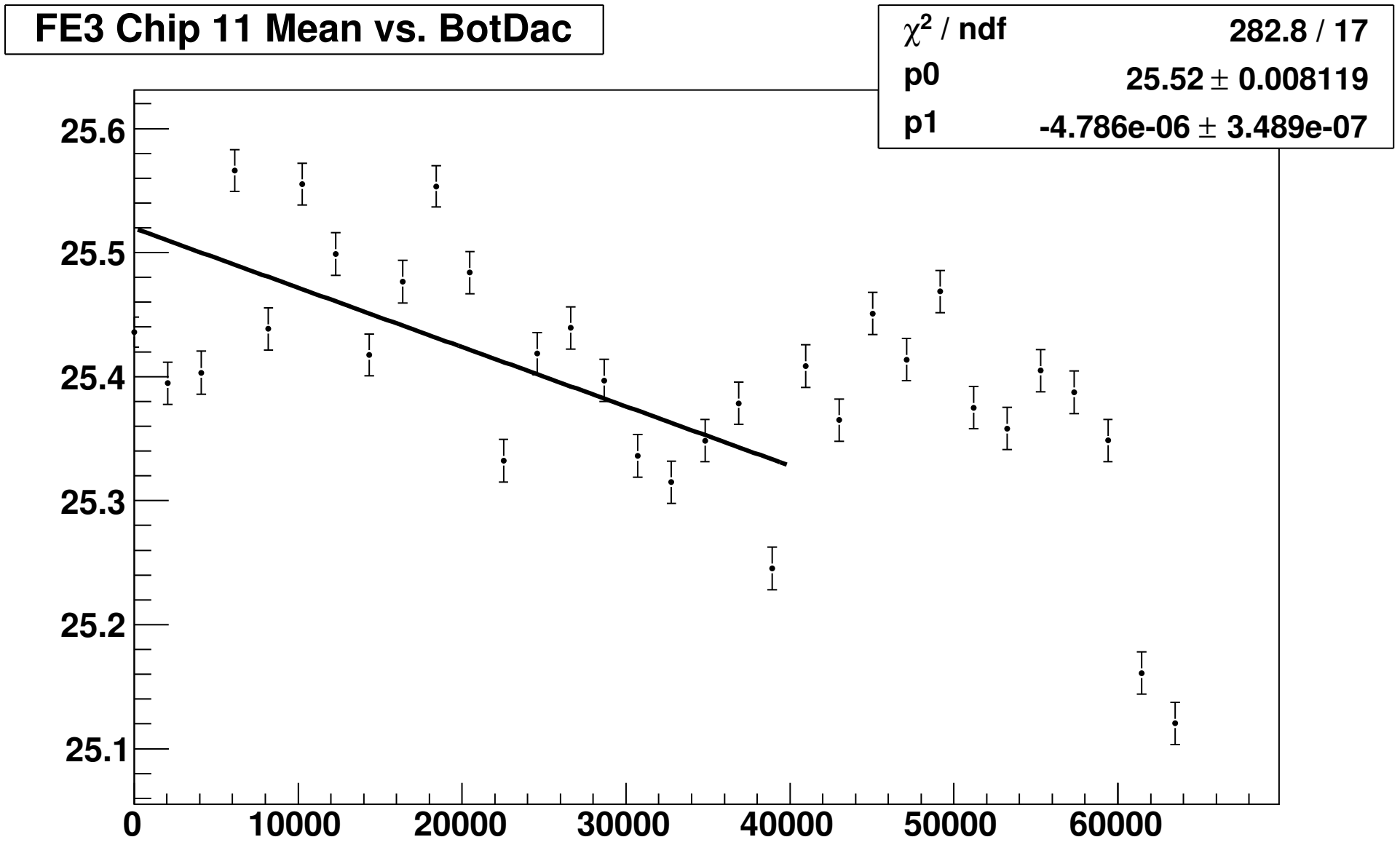
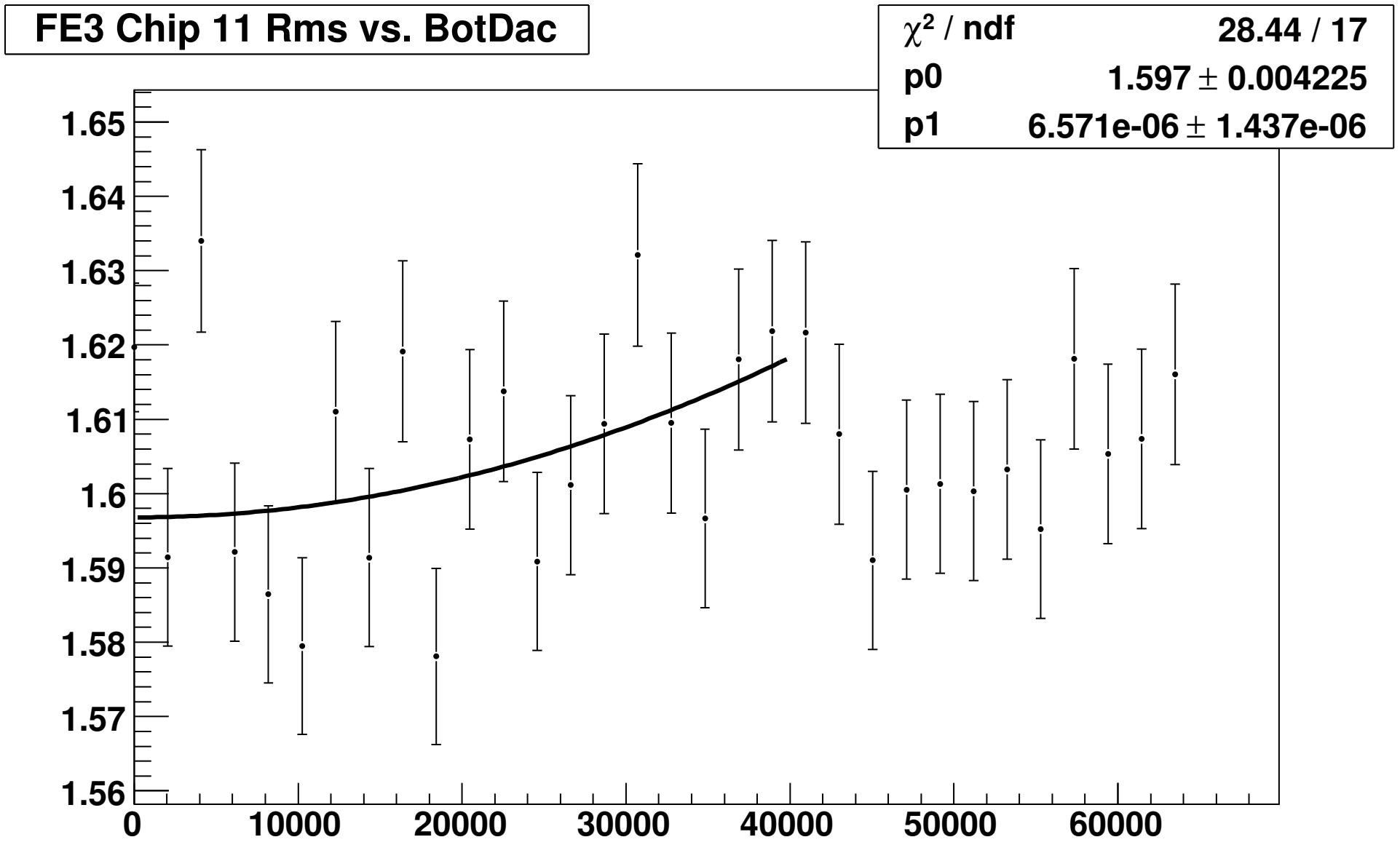
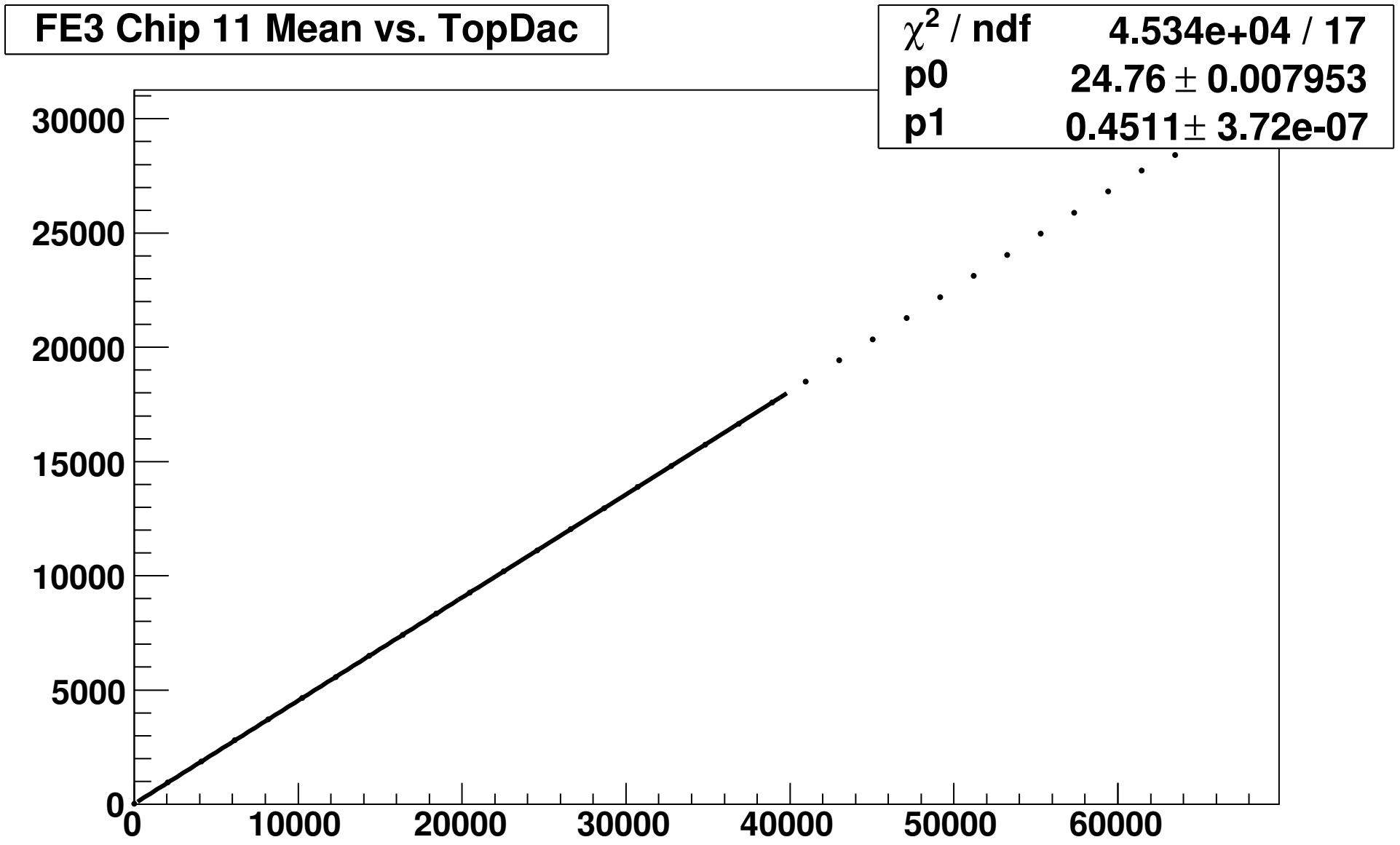
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 455.1 / 17
p0 1.38 ± 0.004078
p1 3.344e-05 ± 3.054e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 282.8 / 17
p0 25.52 ± 0.008119
p1 -4.786e-06 ± 3.489e-07
25.6
25.5
25.4
25.3
25.2
25.1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 28.44 / 17
p0 1.597 ± 0.004225
p1 6.571e-06 ± 1.437e-06
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 4.534e+04 / 17
p0 24.76 ± 0.007953
p1 0.4511 ± 3.72e-07
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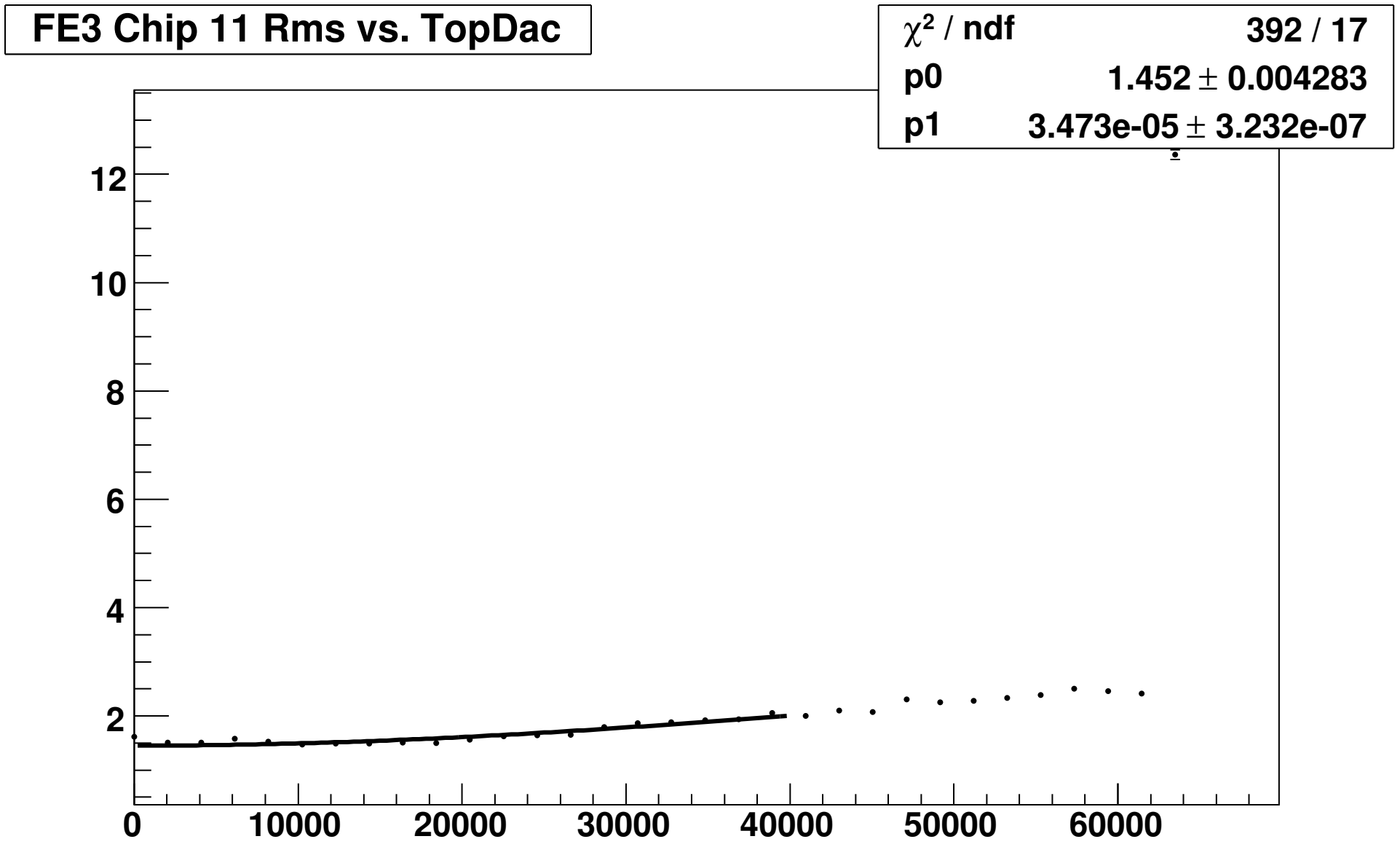
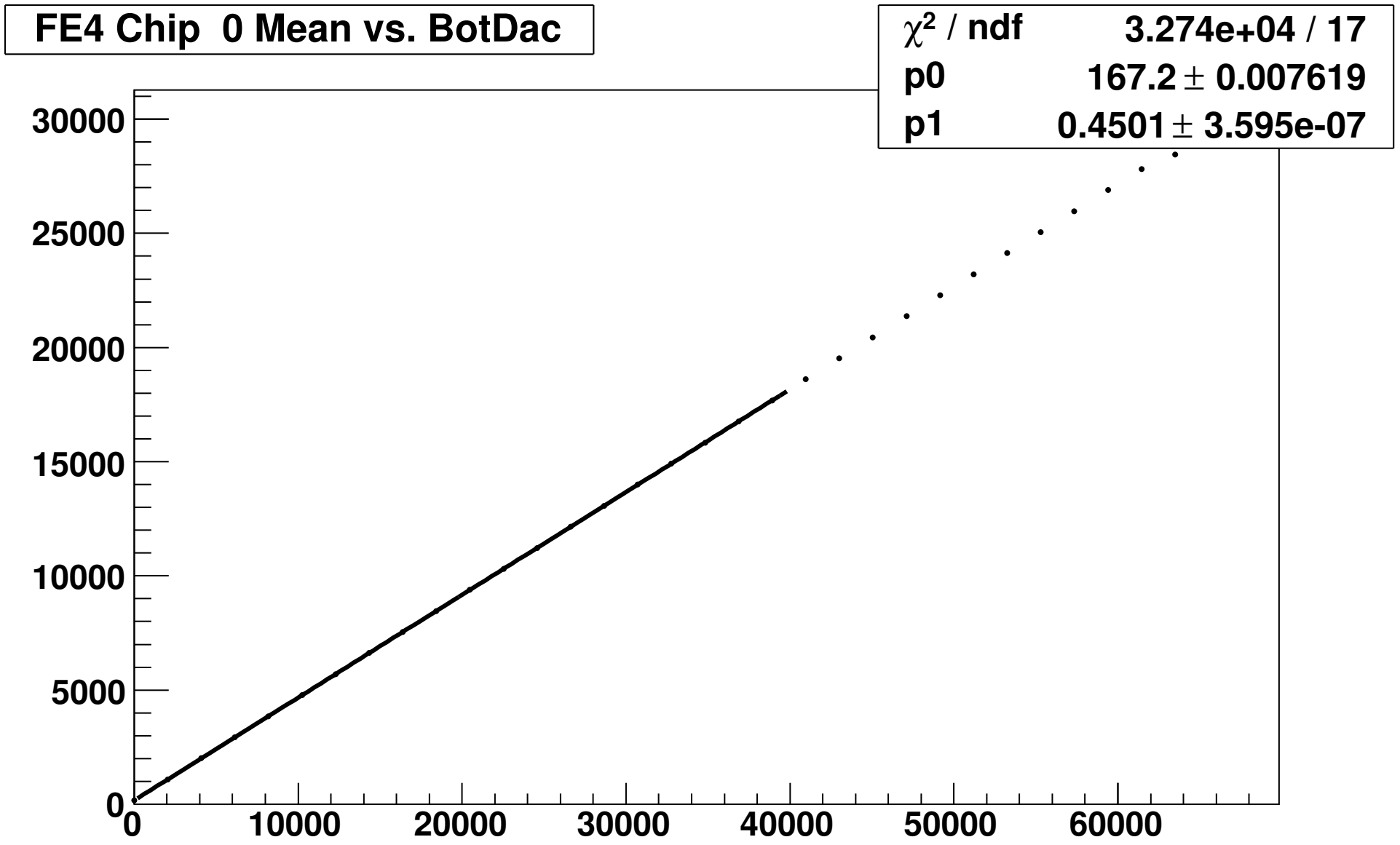
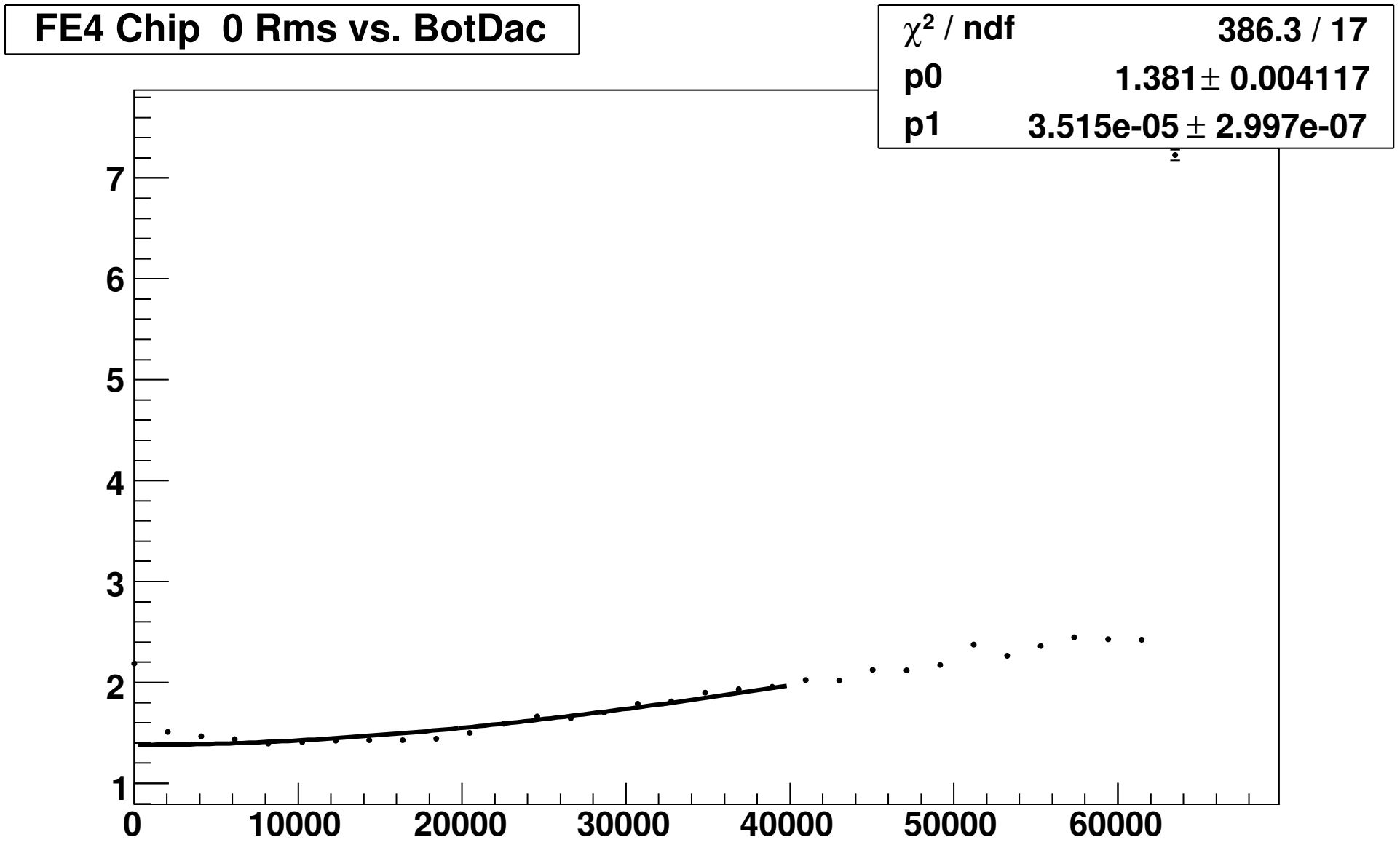
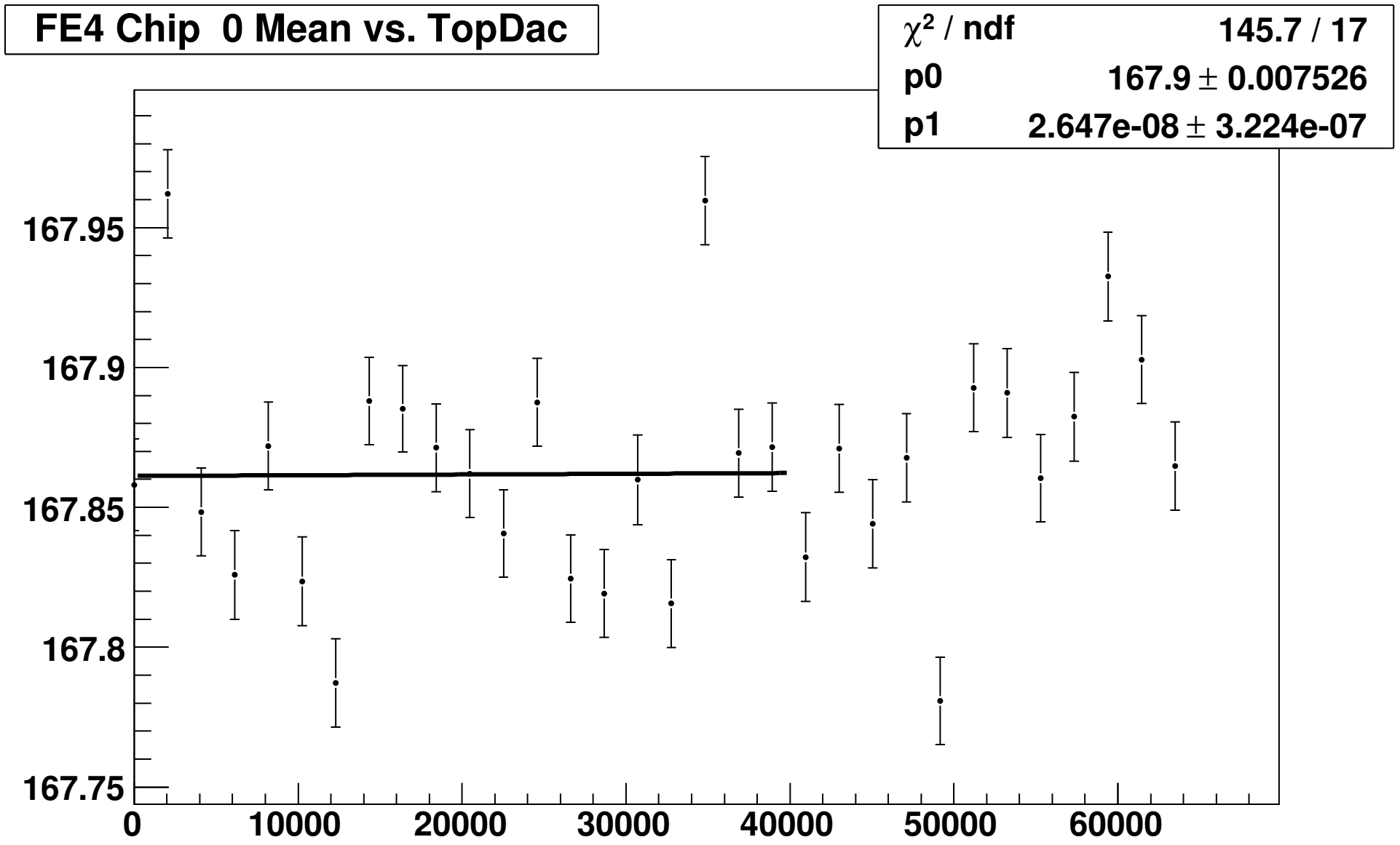
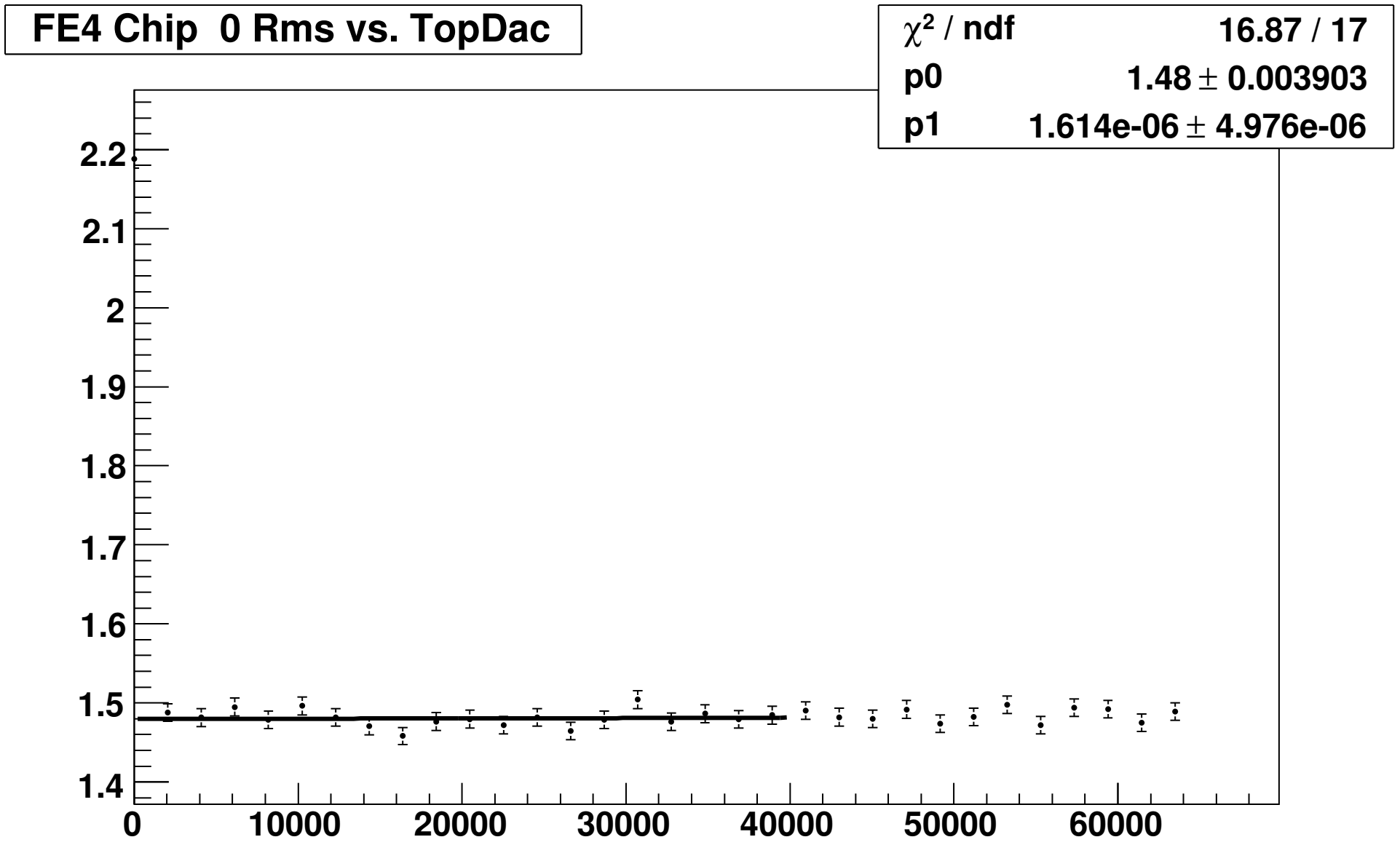
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

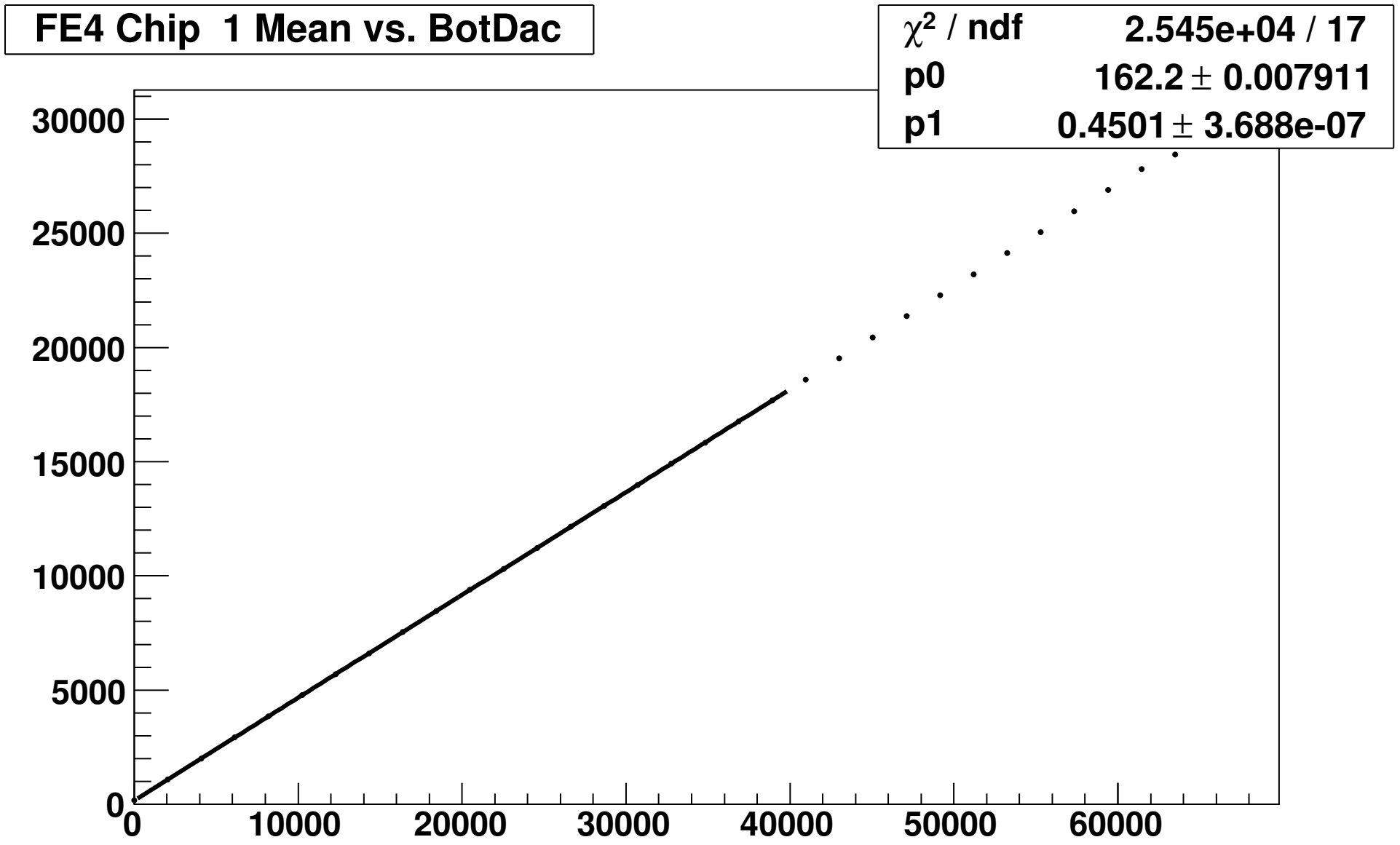

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 392 / 17
p0 1.452 ± 0.004283
p1 3.473e-05 ± 3.232e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

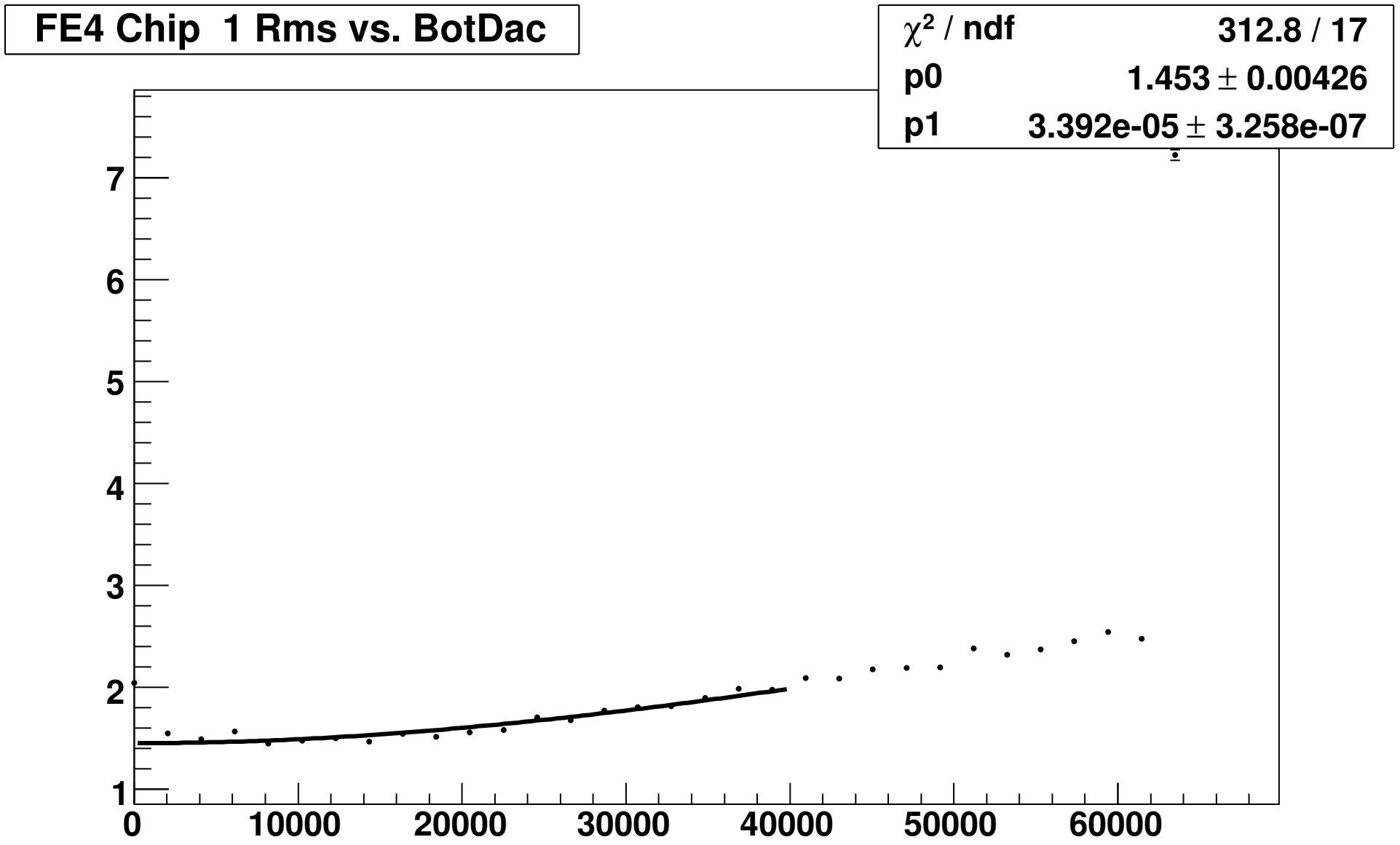

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 3.274e+04 / 17
p0 167.2 ± 0.007619
p1 0.4501 ± 3.595e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

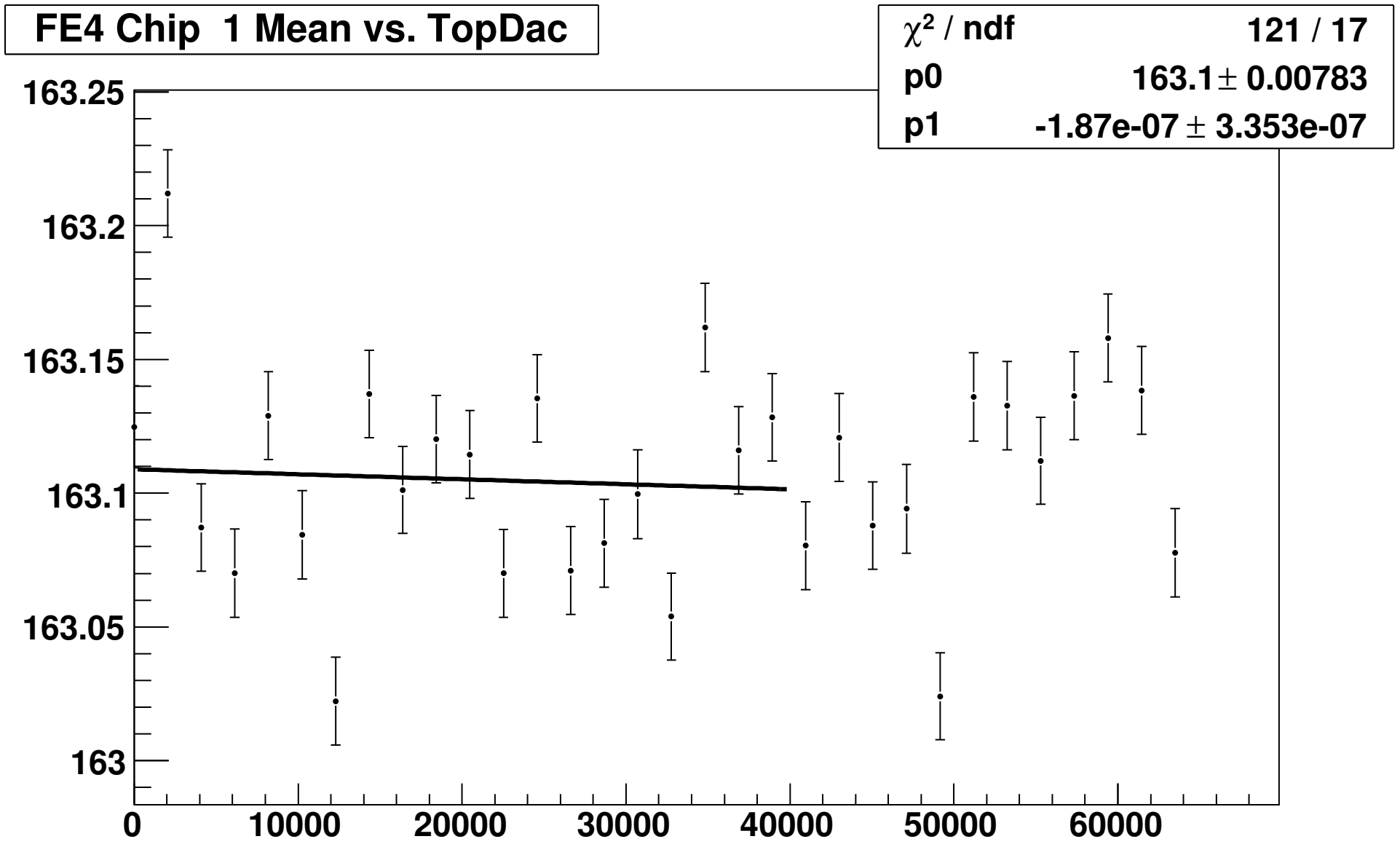

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 386.3 / 17
p0 1.381 ± 0.004117
p1 3.515e-05 ± 2.997e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

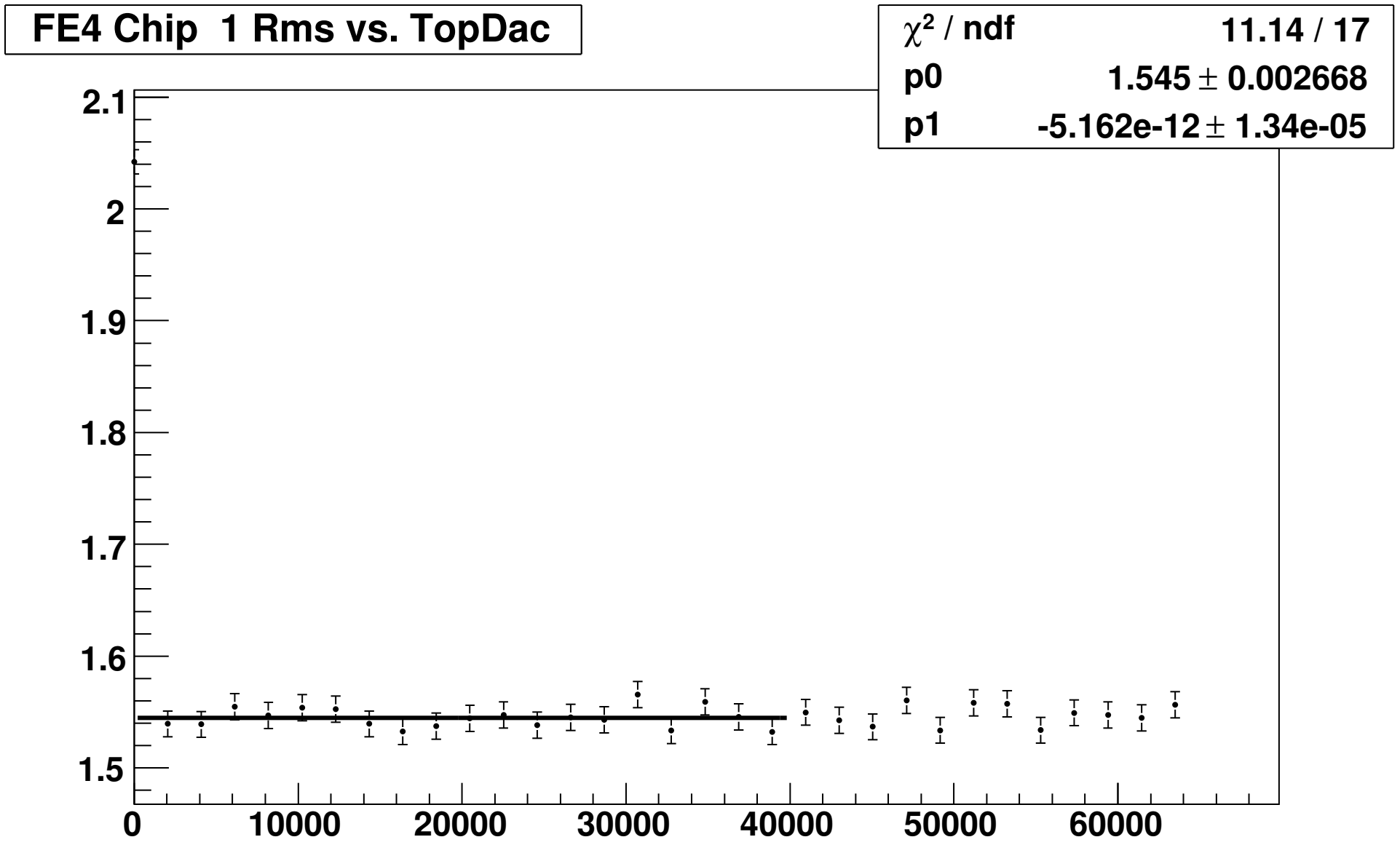

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 145.7 / 17
p0 167.9 ± 0.007526
p1 2.647e-08 ± 3.224e-07
167.95
167.9
167.85
167.8
167.75
0
10000
20000
30000
40000
50000
60000

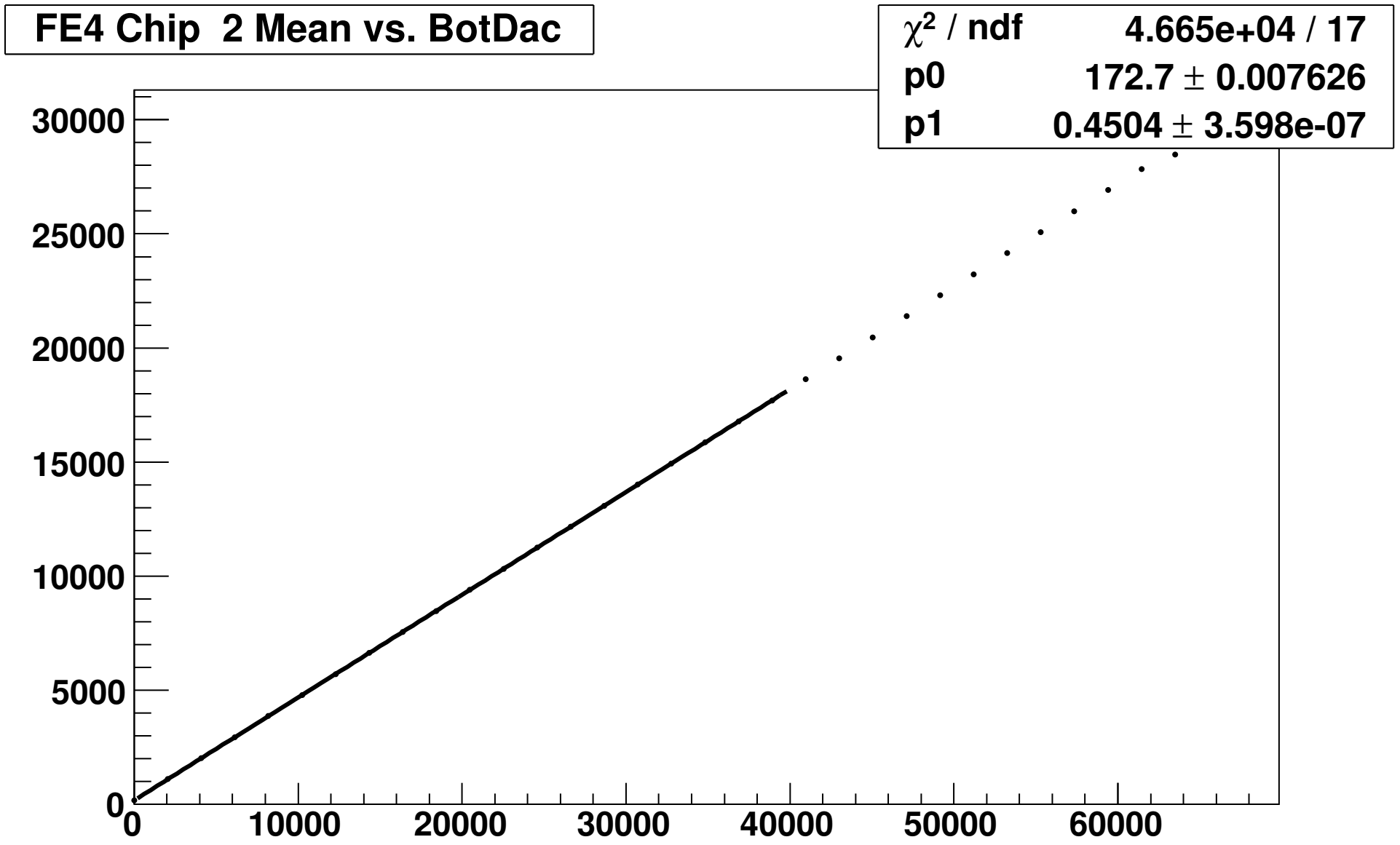

FE4 Chip 0 Rms vs. TopDac
χ² / ndf 16.87 / 17
p0 1.48 ± 0.003903
p1 1.614e-06 ± 4.976e-06
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000

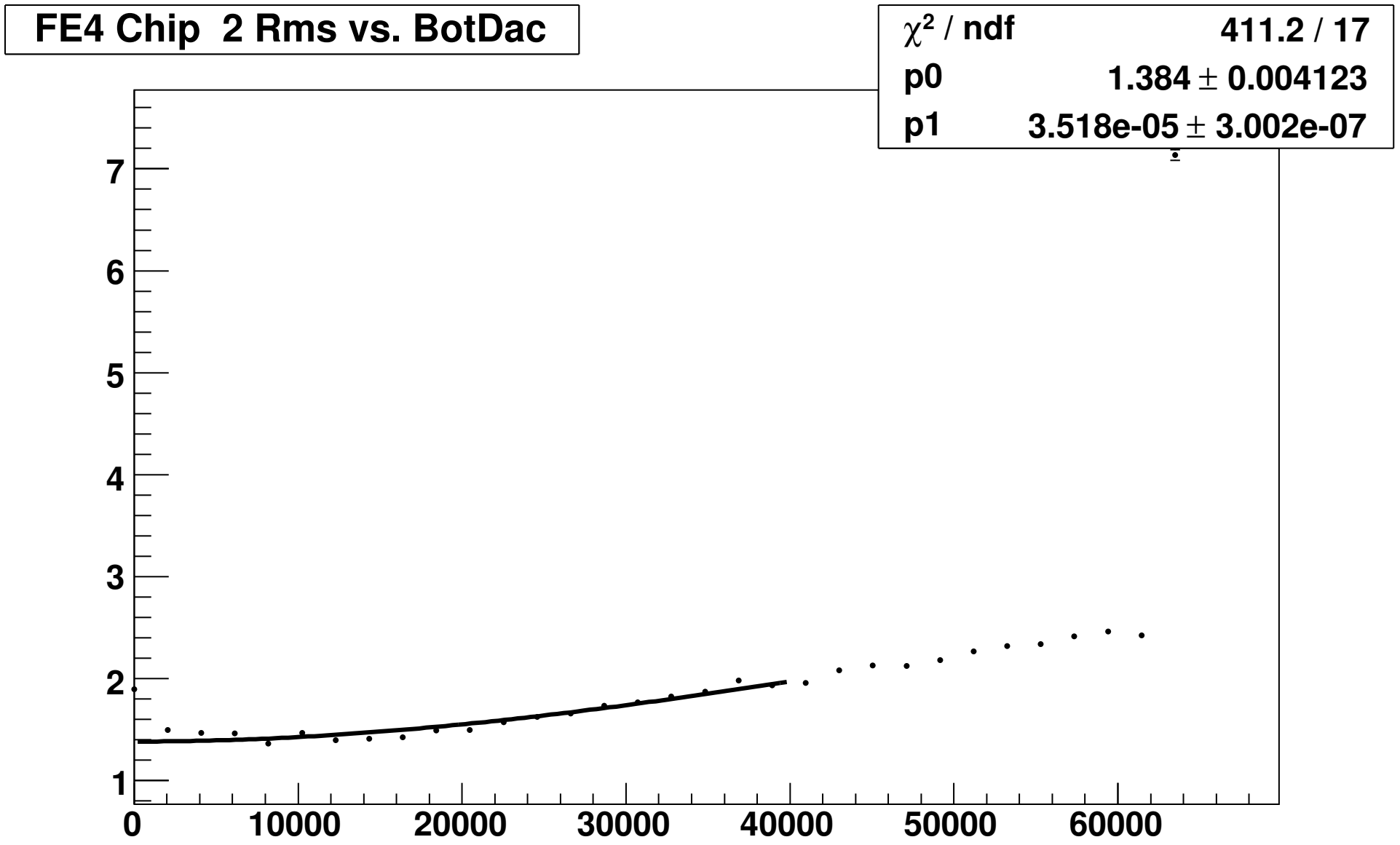

FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.545e+04 / 17
p0 162.2 ± 0.007911
p1 0.4501 ± 3.688e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

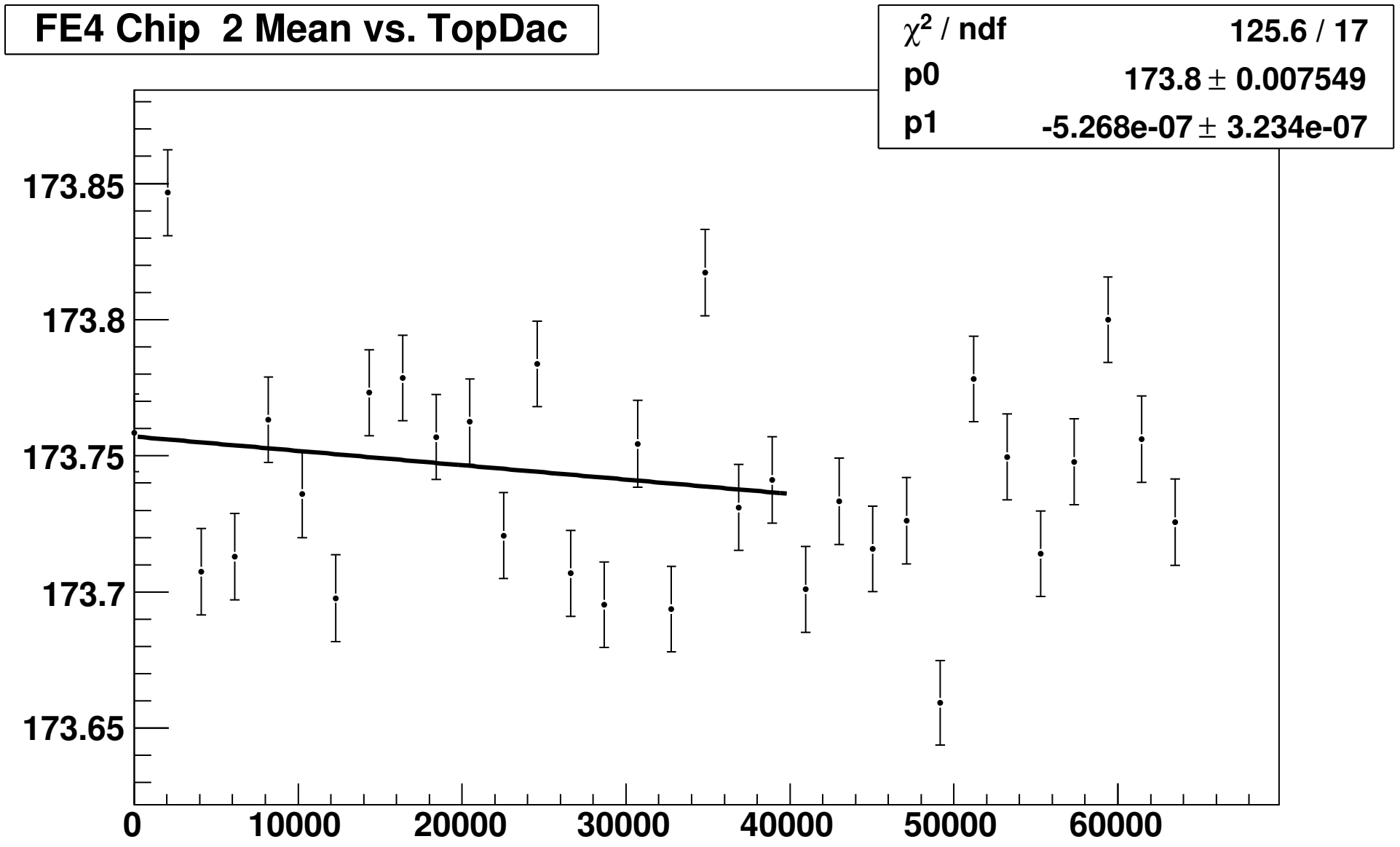

FE4 Chip 1 Rms vs. BotDac
χ² / ndf 312.8 / 17
p0 1.453 ± 0.00426
p1 3.392e-05 ± 3.258e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 121 / 17
p0 163.1 ± 0.00783
p1 -1.87e-07 ± 3.353e-07
163.25
163.2
163.15
163.1
163.05
163
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 11.14 / 17
p0 1.545 ± 0.002668
p1 -5.162e-12 ± 1.34e-05
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 4.665e+04 / 17
p0 172.7 ± 0.007626
p1 0.4504 ± 3.598e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 411.2 / 17
p0 1.384 ± 0.004123
p1 3.518e-05 ± 3.002e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 125.6 / 17
p0 173.8 ± 0.007549
p1 -5.268e-07 ± 3.234e-07
173.85
173.8
173.75
173.7
173.65
0
10000
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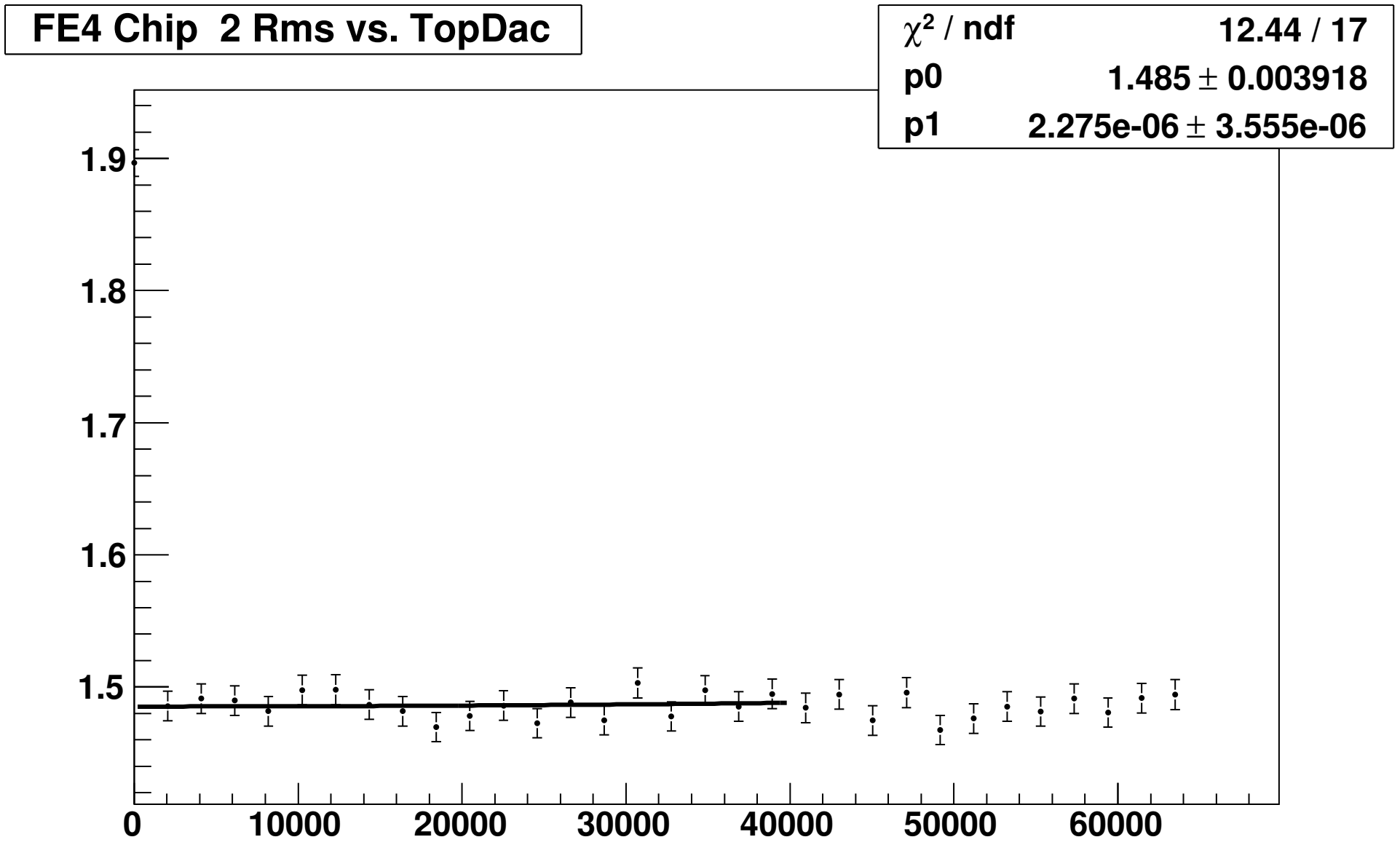
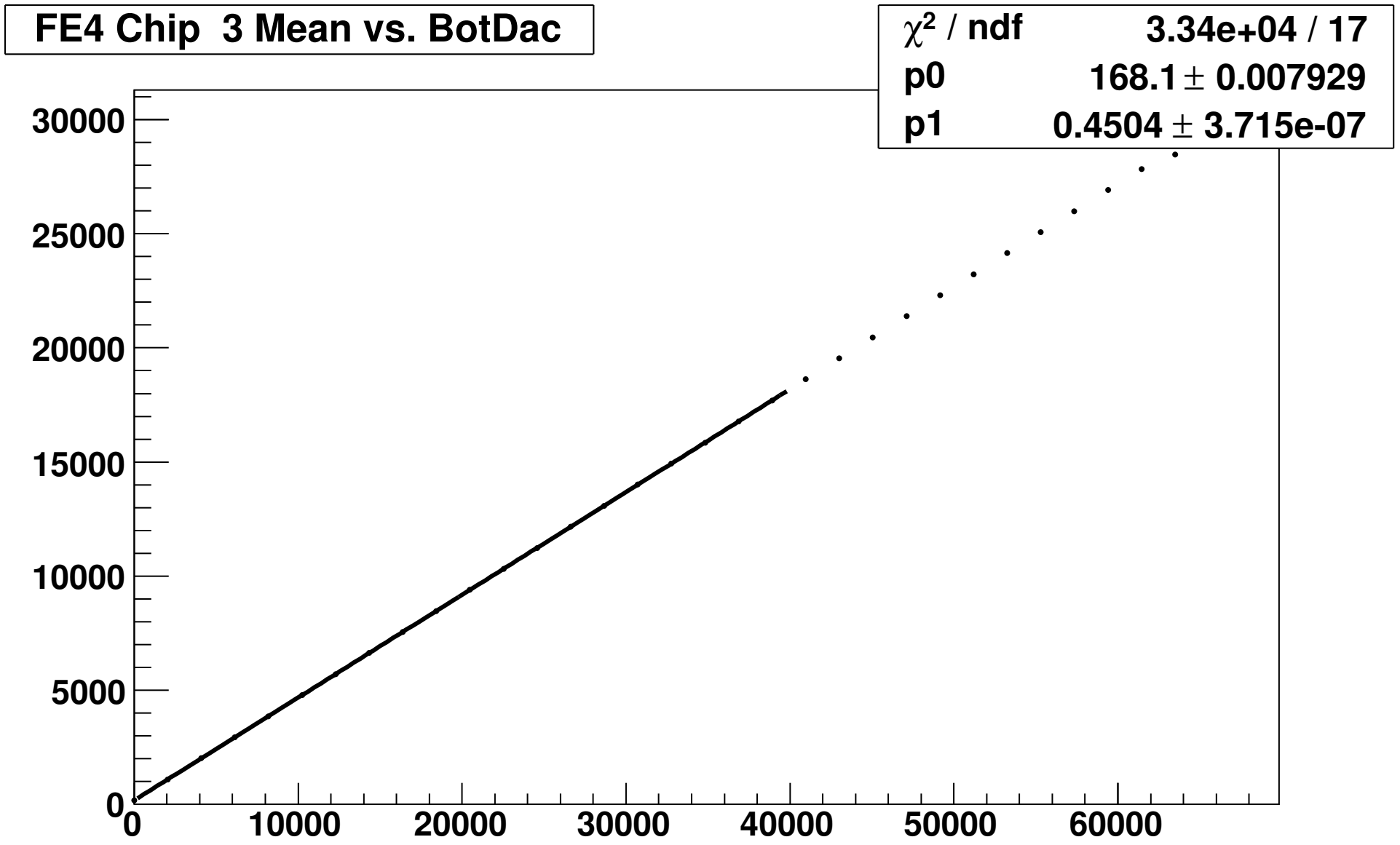
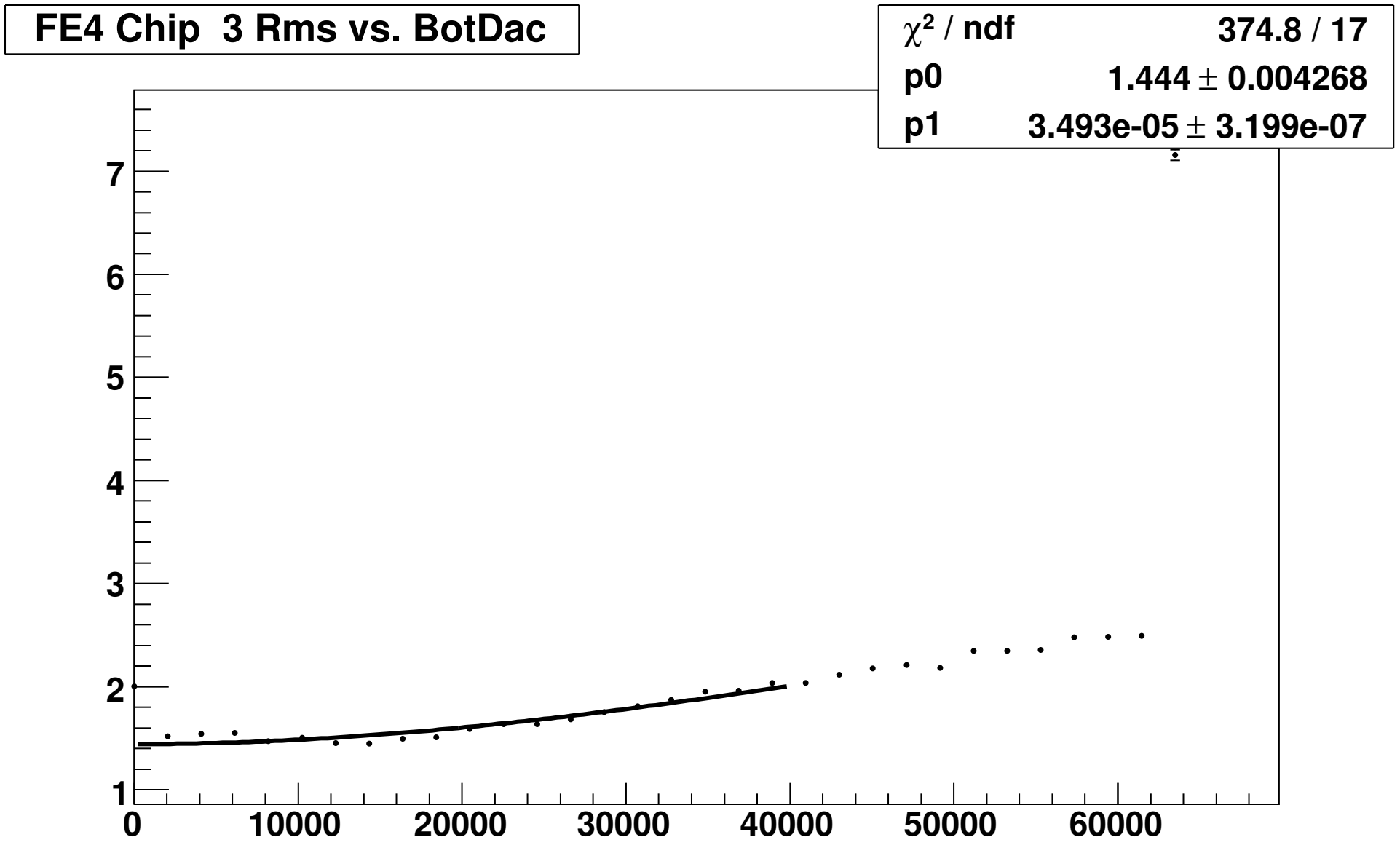
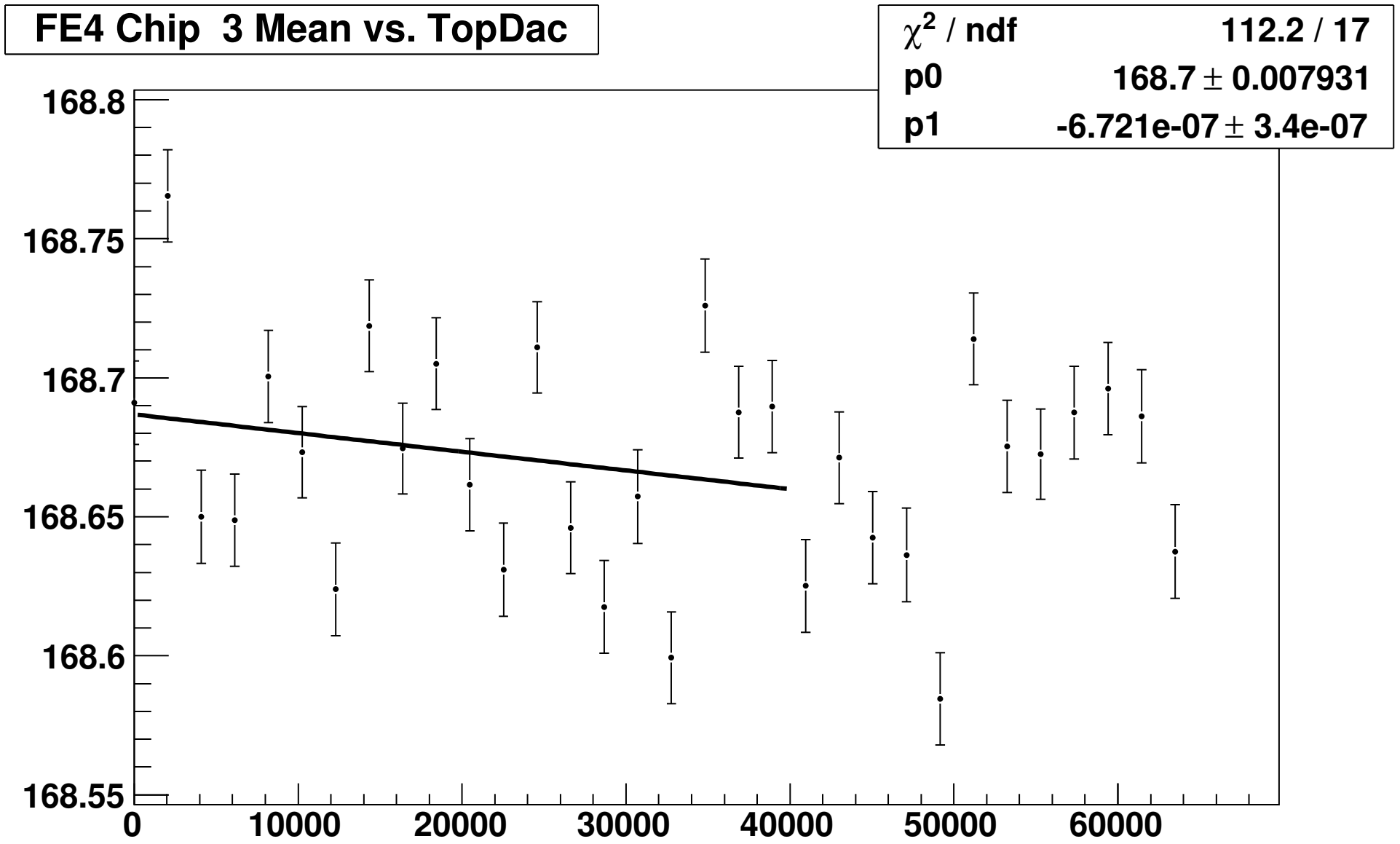
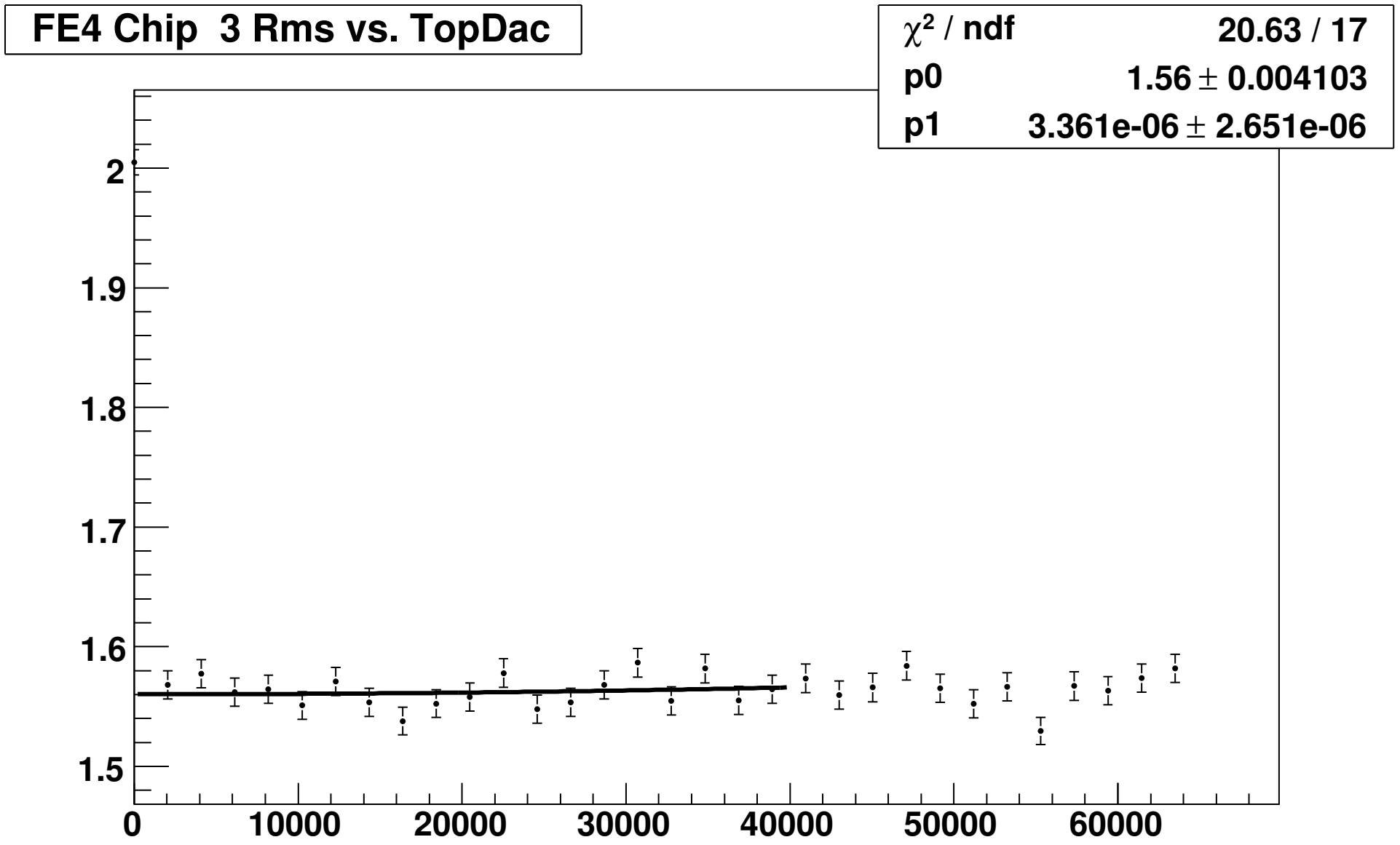
30000
40000
50000
60000

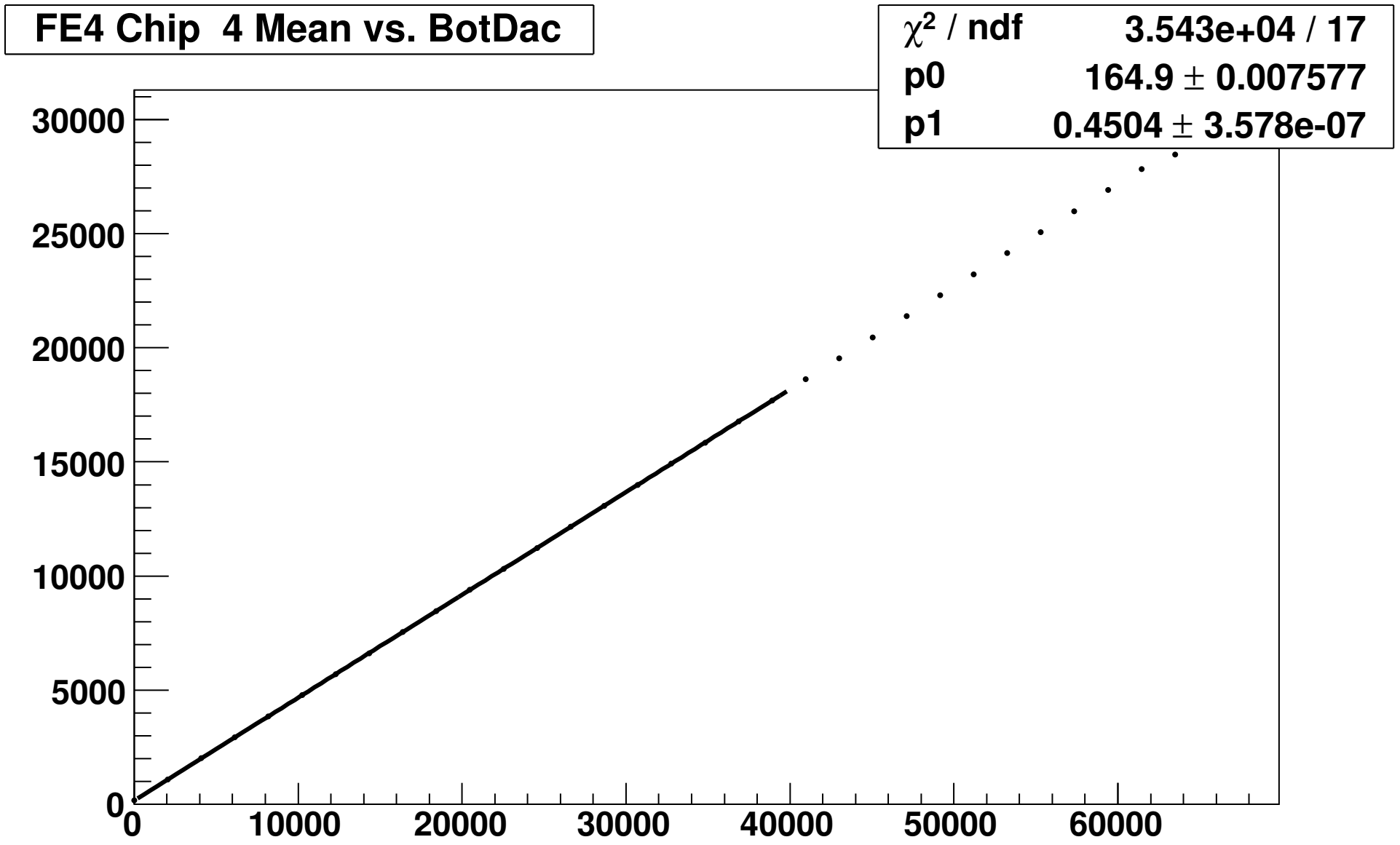

FE4 Chip 2 Rms vs. TopDac
χ² / ndf 12.44 / 17
p0 1.485 ± 0.003918
p1 2.275e-06 ± 3.555e-06
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000

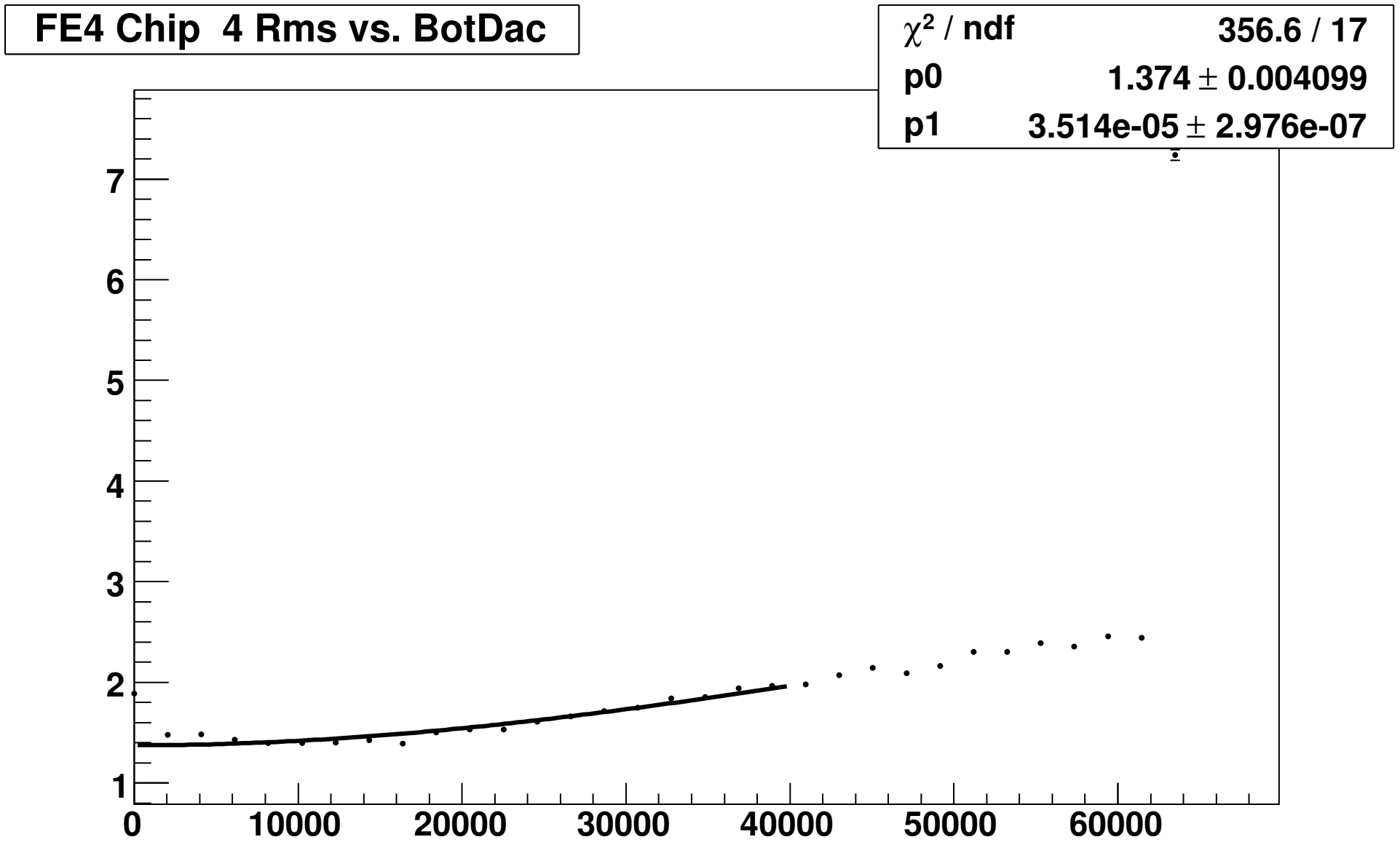

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 3.34e+04 / 17
p0 168.1 ± 0.007929
p1 0.4504 ± 3.715e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

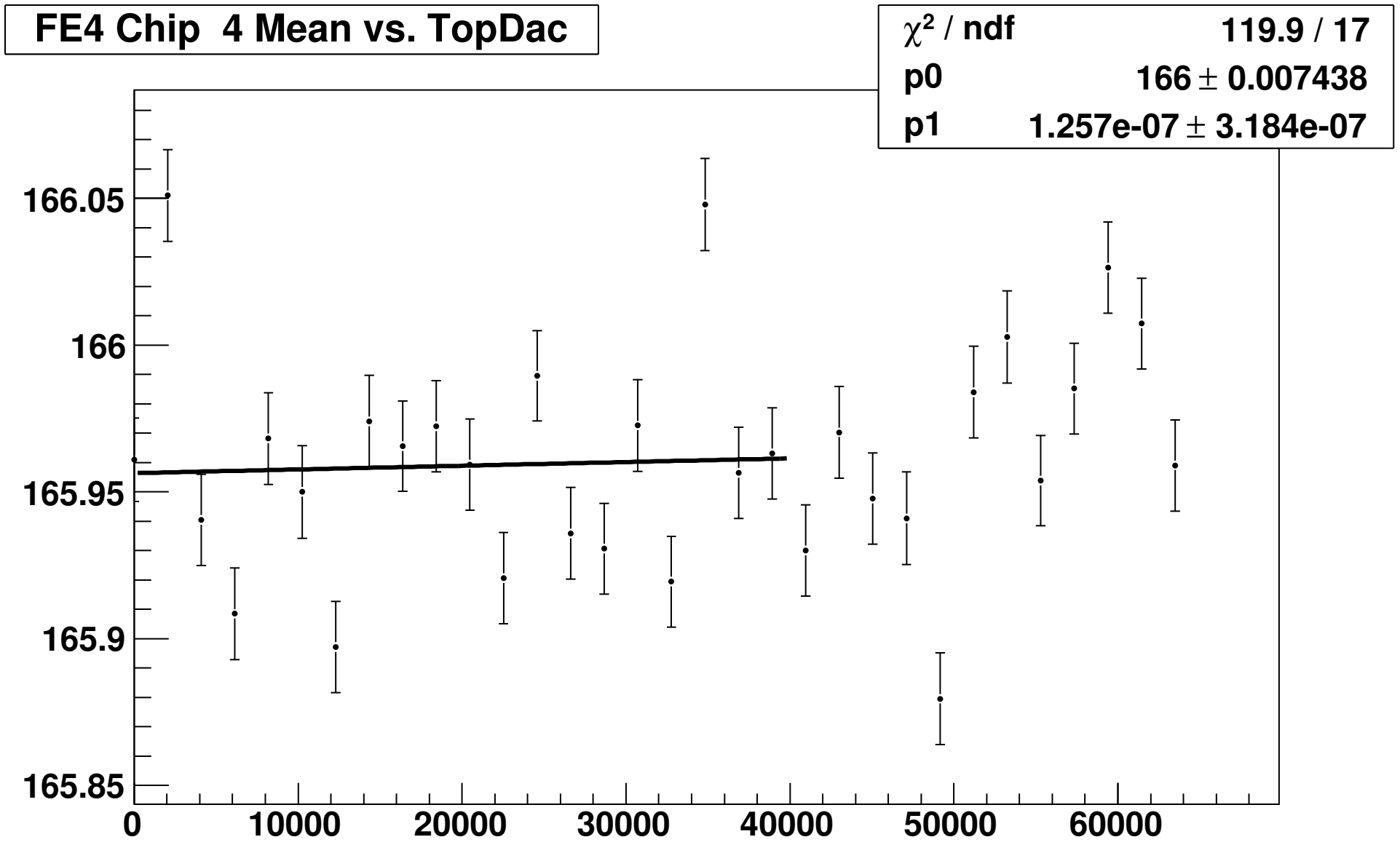

FE4 Chip 3 Rms vs. BotDac
χ² / ndf 374.8 / 17
p0 1.444 ± 0.004268
p1 3.493e-05 ± 3.199e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

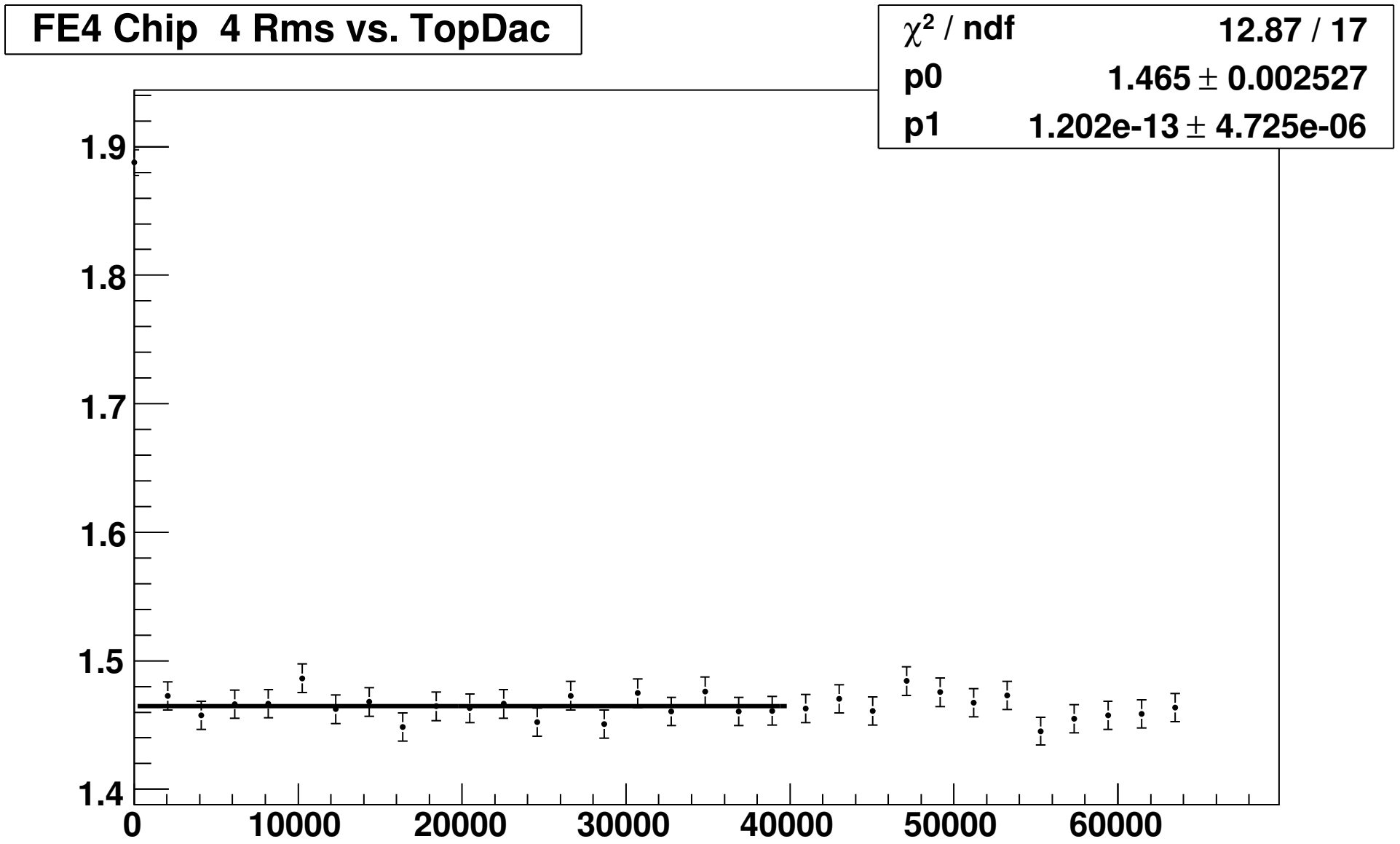

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 112.2 / 17
p0 168.7 ± 0.007931
p1 -6.721e-07 ± 3.4e-07
168.8
168.75
168.7
168.65
168.6
168.55
0
10000
20000
30000
40000
50000
60000

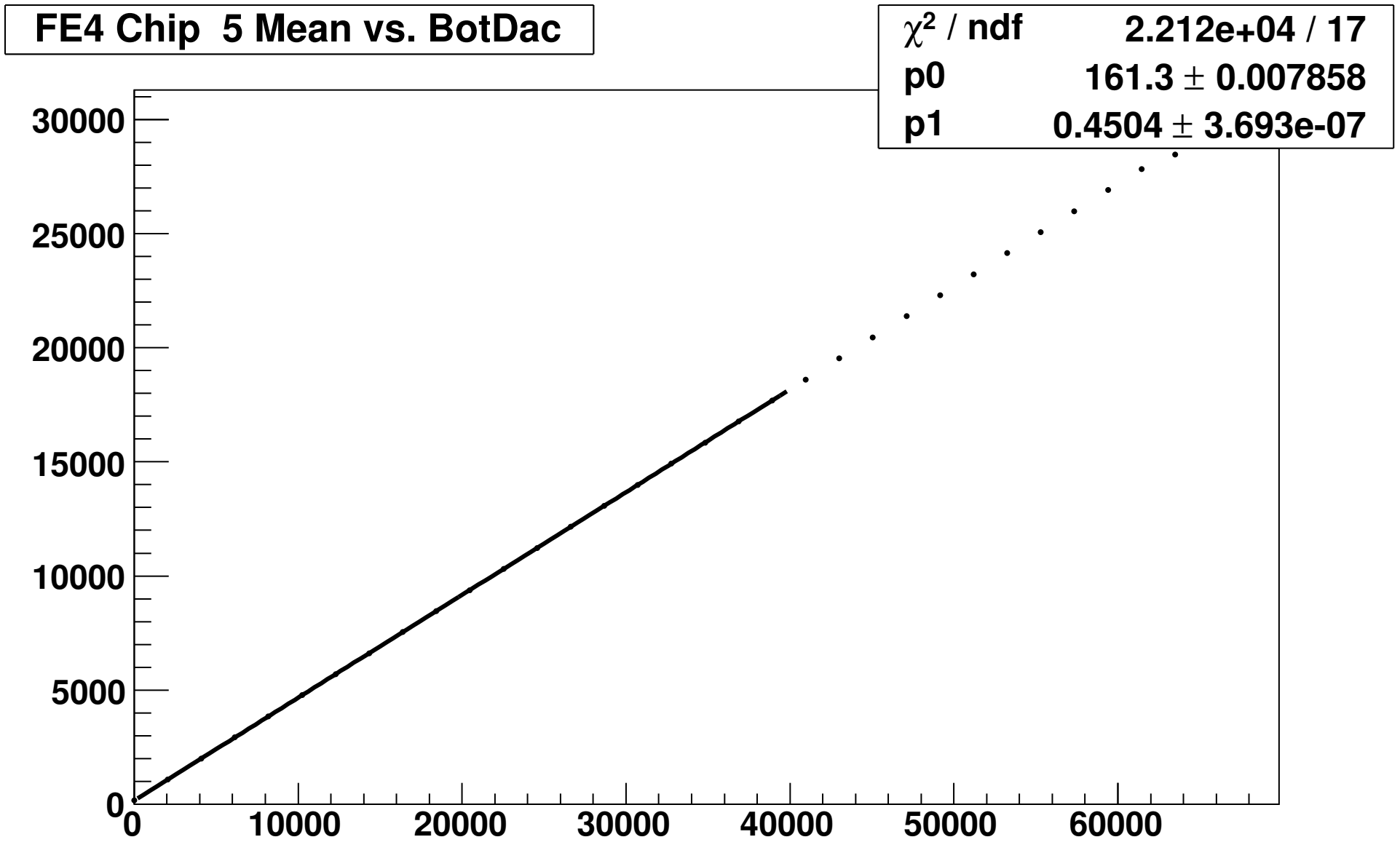

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 20.63 / 17
p0 1.56 ± 0.004103
p1 3.361e-06 ± 2.651e-06
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000

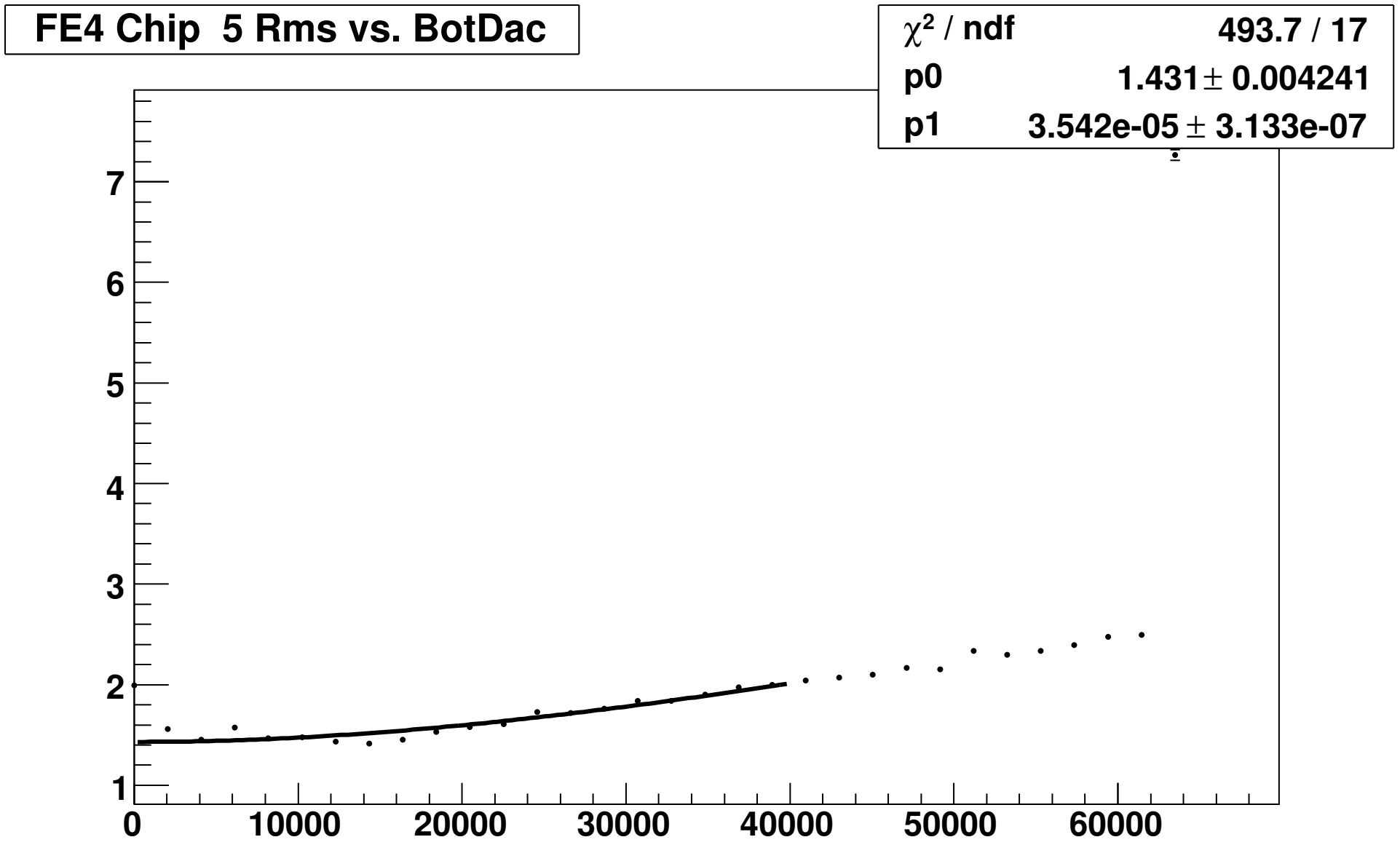

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 3.543e+04 / 17
p0 164.9 ± 0.007577
p1 0.4504 ± 3.578e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

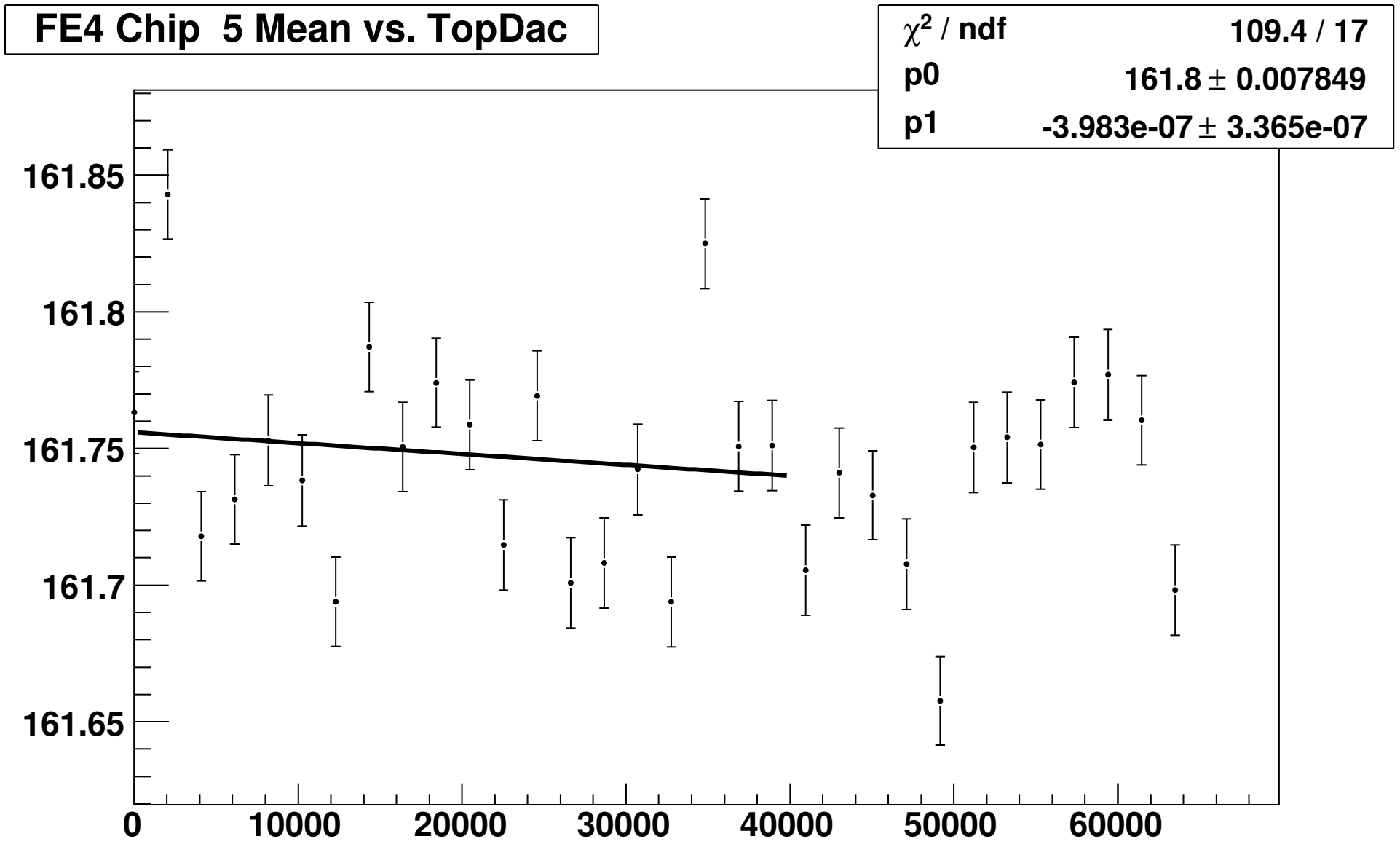

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 356.6 / 17
p0 1.374 ± 0.004099
p1 3.514e-05 ± 2.976e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

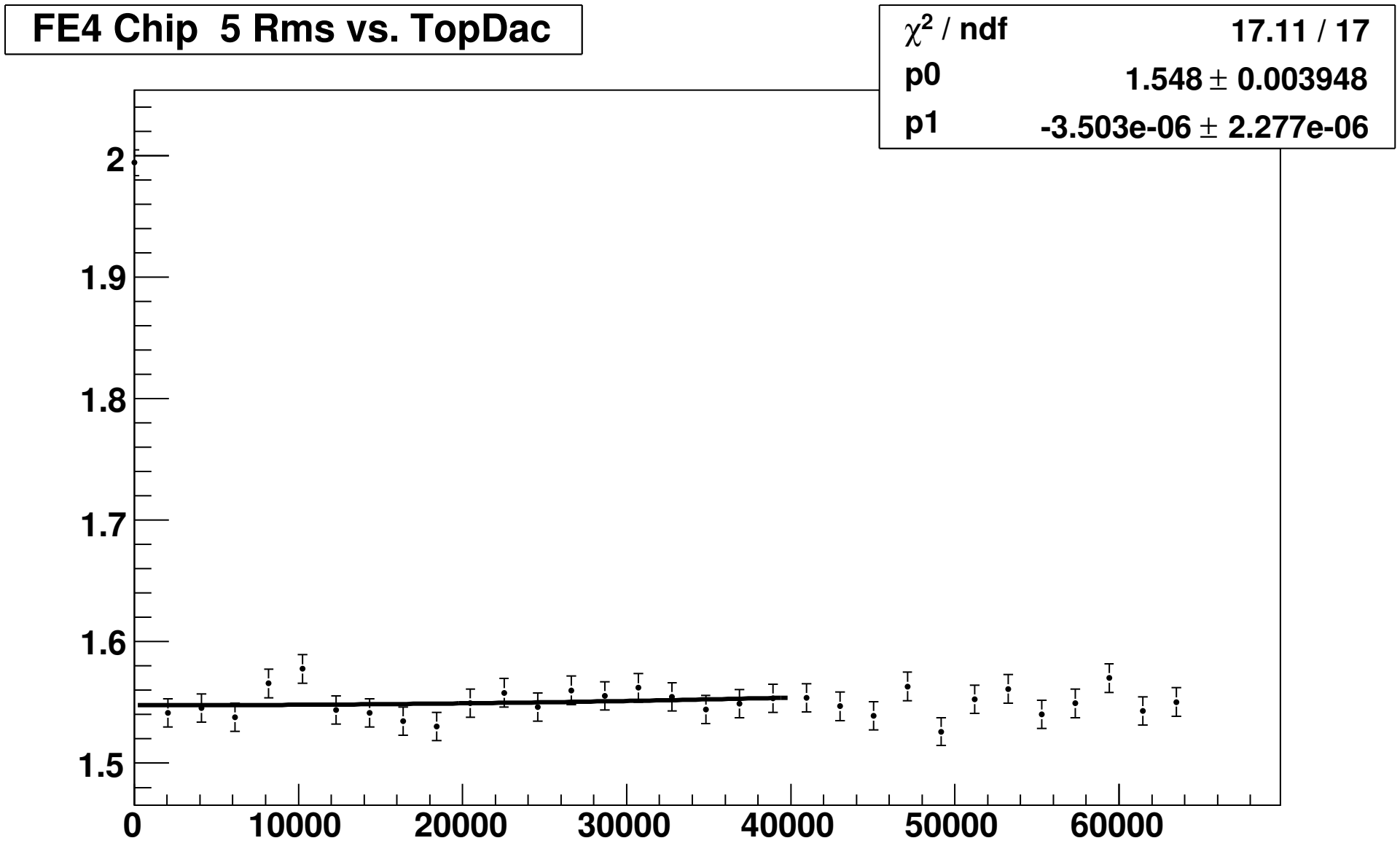

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 119.9 / 17
p0 166 ± 0.007438
p1 1.257e-07 ± 3.184e-07
166.05
166
165.95
165.9
165.85
0
10000
20000
30000
40000
50000
60000

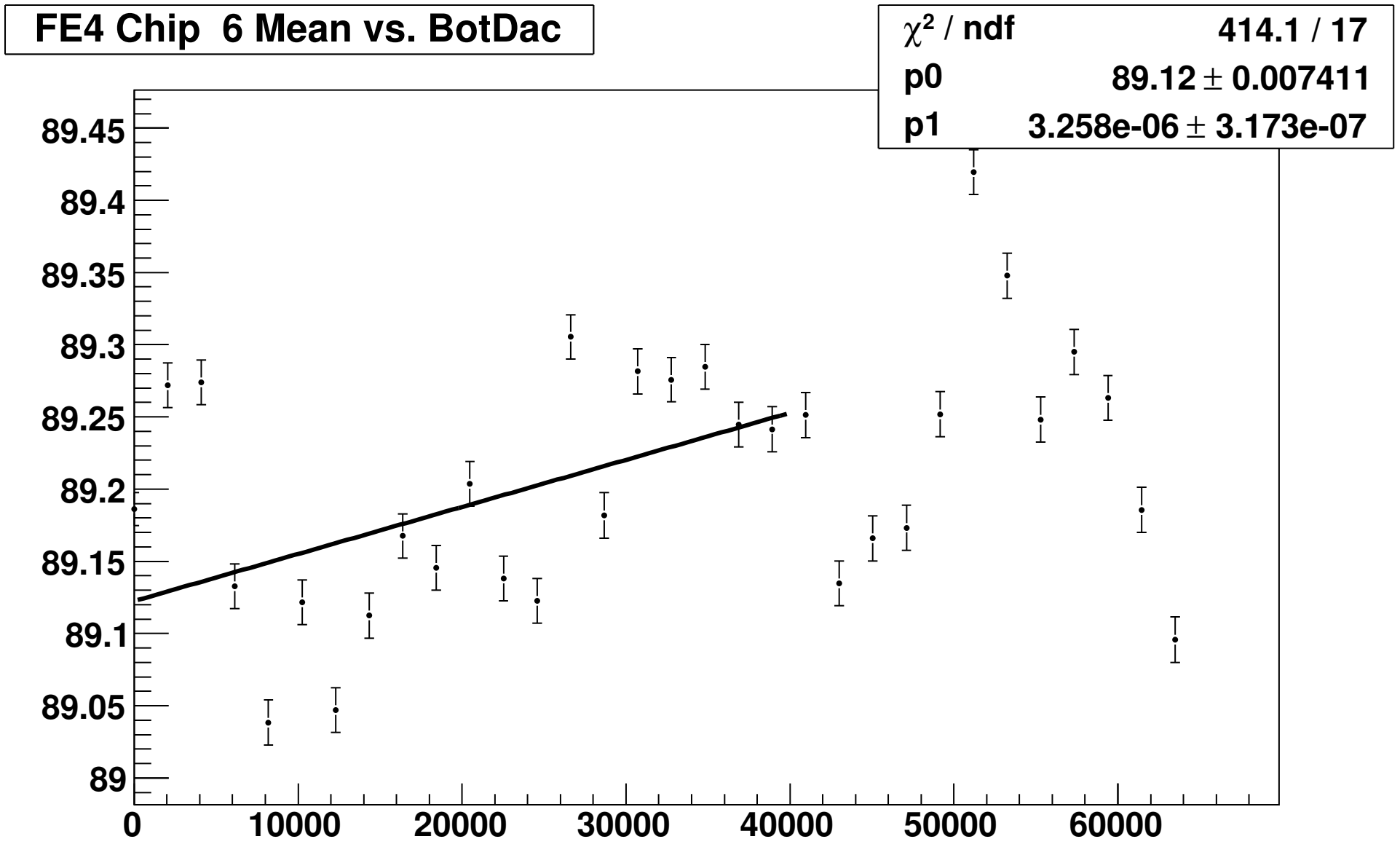

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 12.87 / 17
p0 1.465 ± 0.002527
p1 1.202e-13 ± 4.725e-06
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000

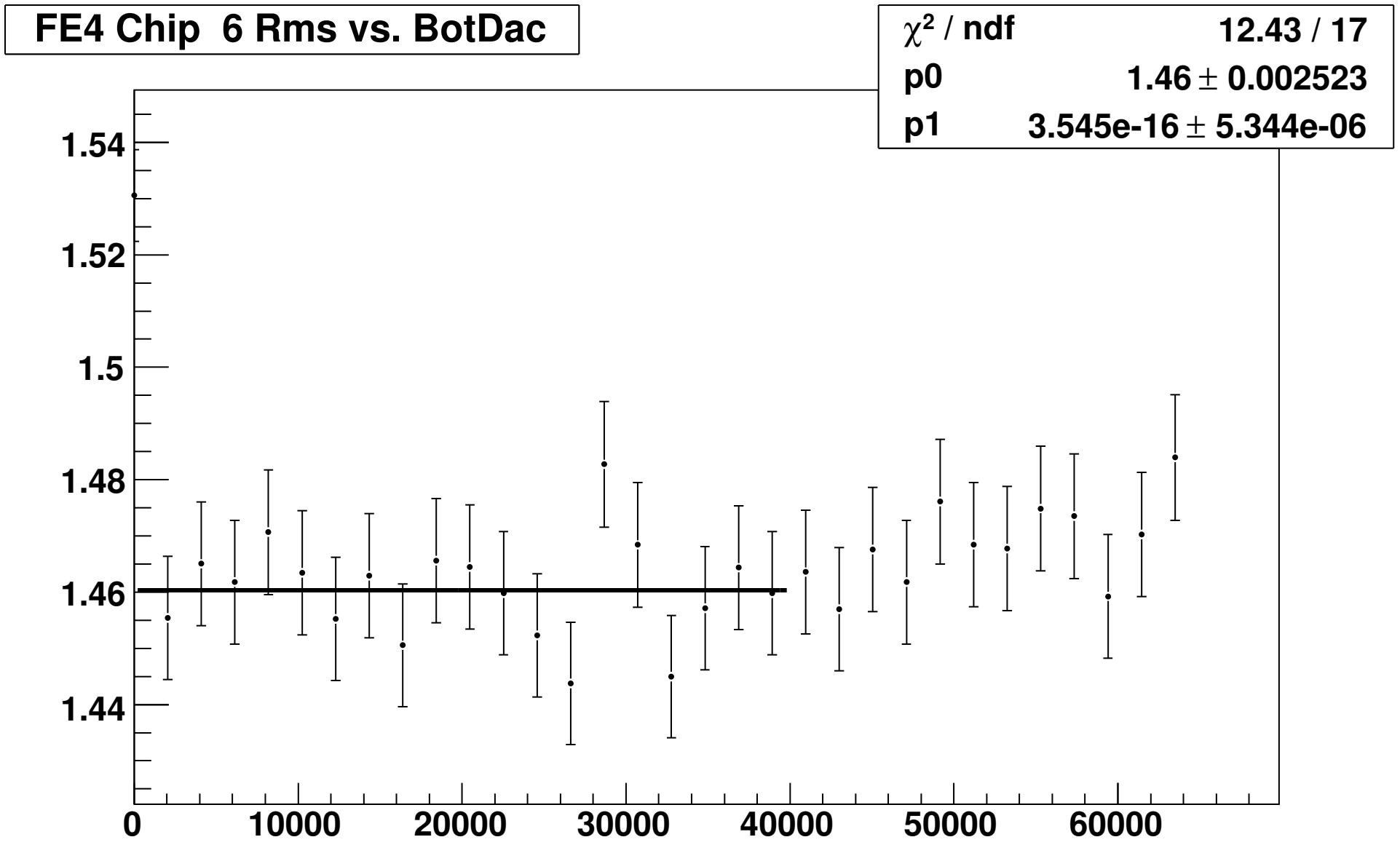

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 2.212e+04 / 17
p0 161.3 ± 0.007858
p1 0.4504 ± 3.693e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

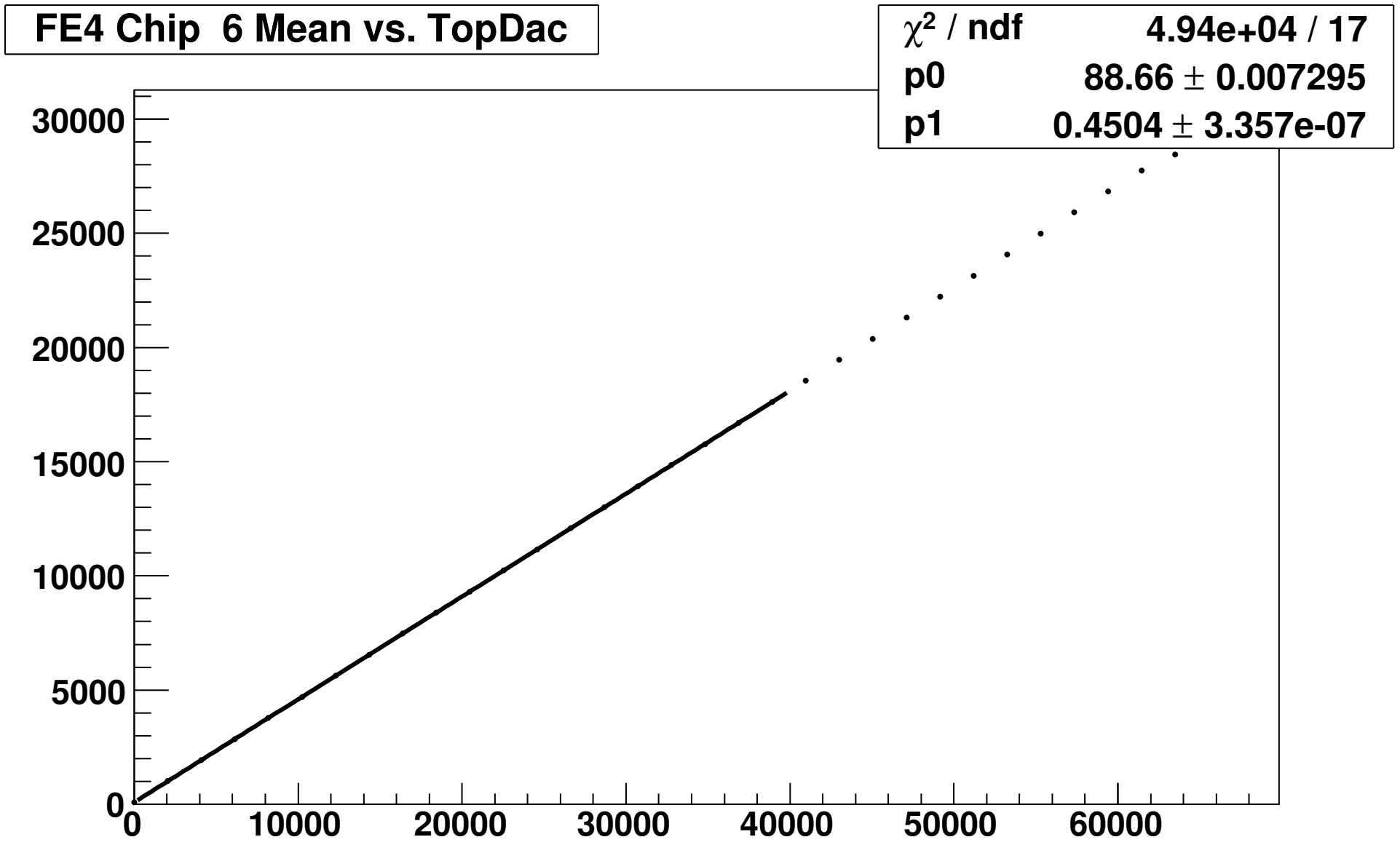

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 493.7 / 17
p0 1.431 ± 0.004241
p1 3.542e-05 ± 3.133e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

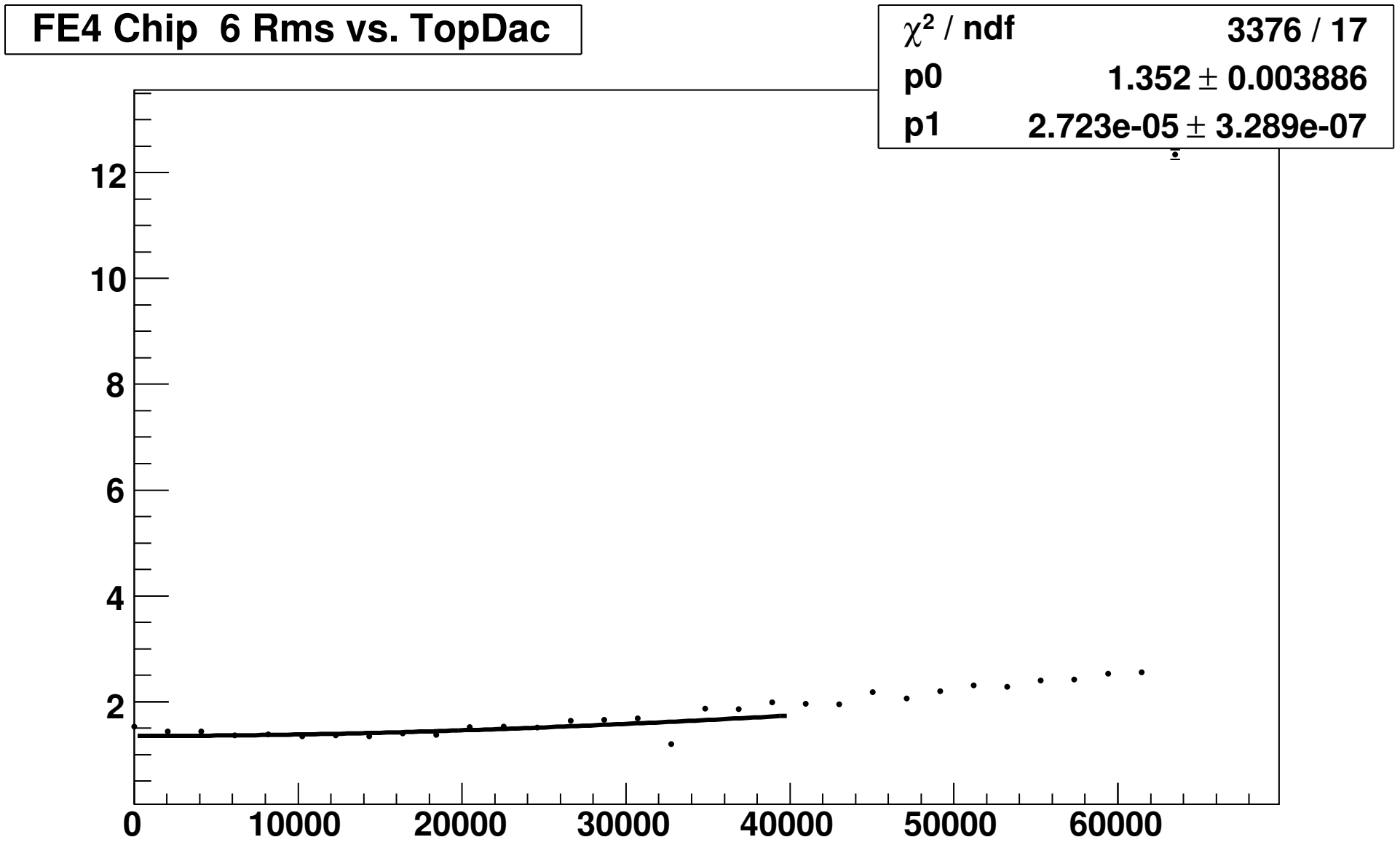

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 109.4 / 17
p0 161.8 ± 0.007849
p1 -3.983e-07 ± 3.365e-07
161.85
161.8
161.75
161.7
161.65
0
10000
20000
30000
40000
50000
60000

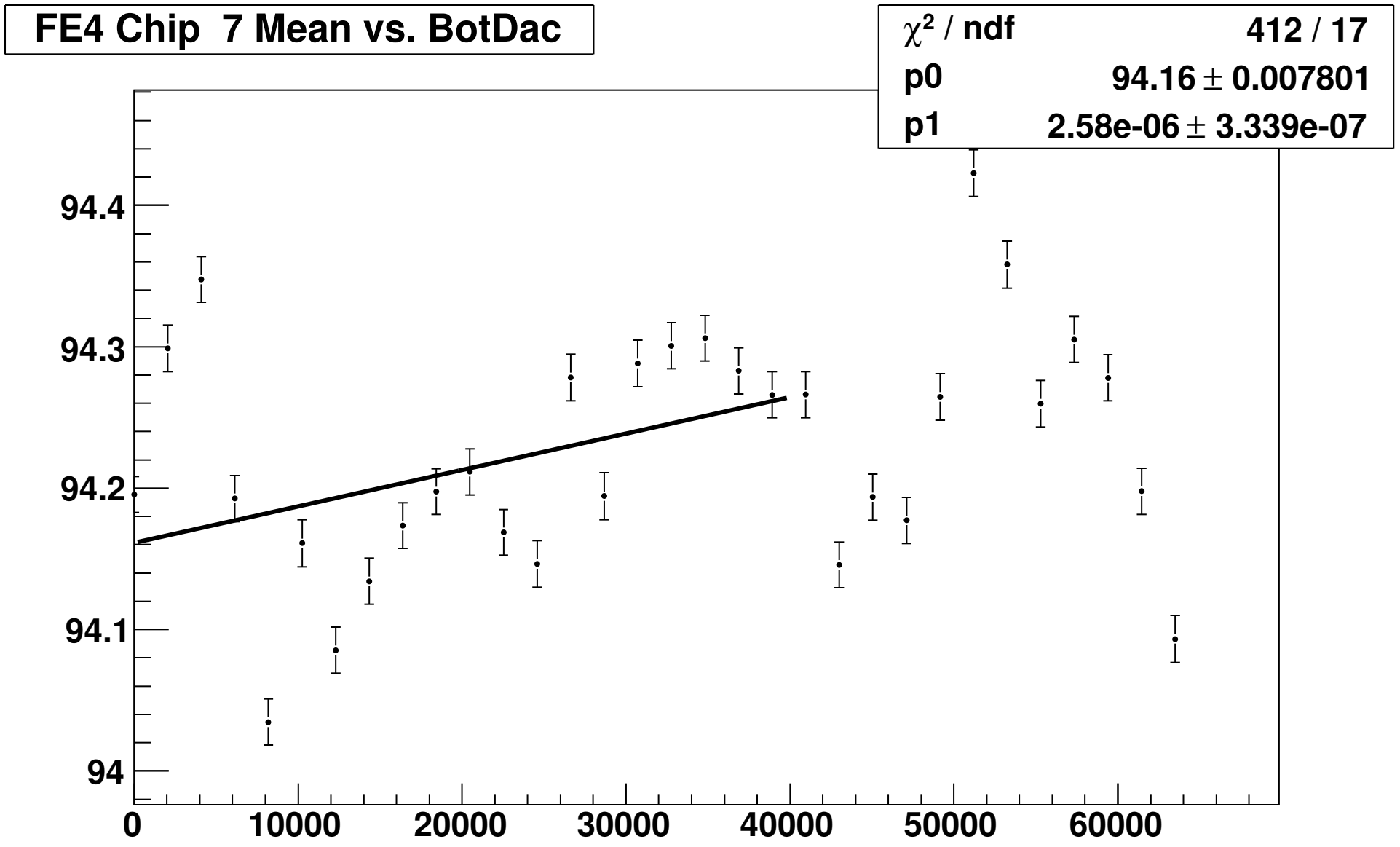

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 17.11 / 17
p0 1.548 ± 0.003948
p1 -3.503e-06 ± 2.277e-06
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000

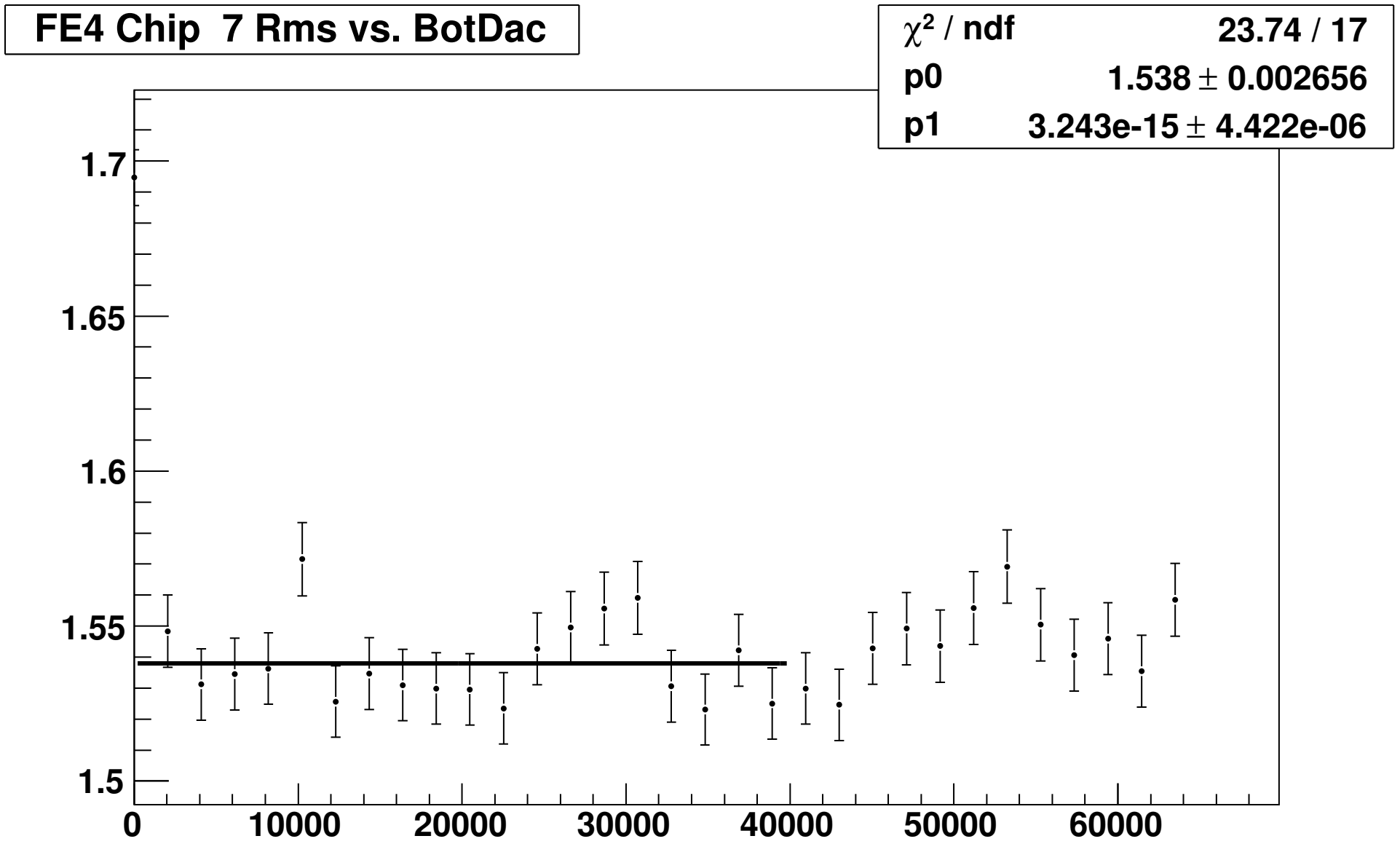

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 414.1 / 17
p0 89.12 ± 0.007411
p1 3.258e-06 ± 3.173e-07
89.45
89.4
89.35
89.3
89.25
89.2
89.15
89.1
89.05
89
0
10000
20000
30000
40000
50000
60000

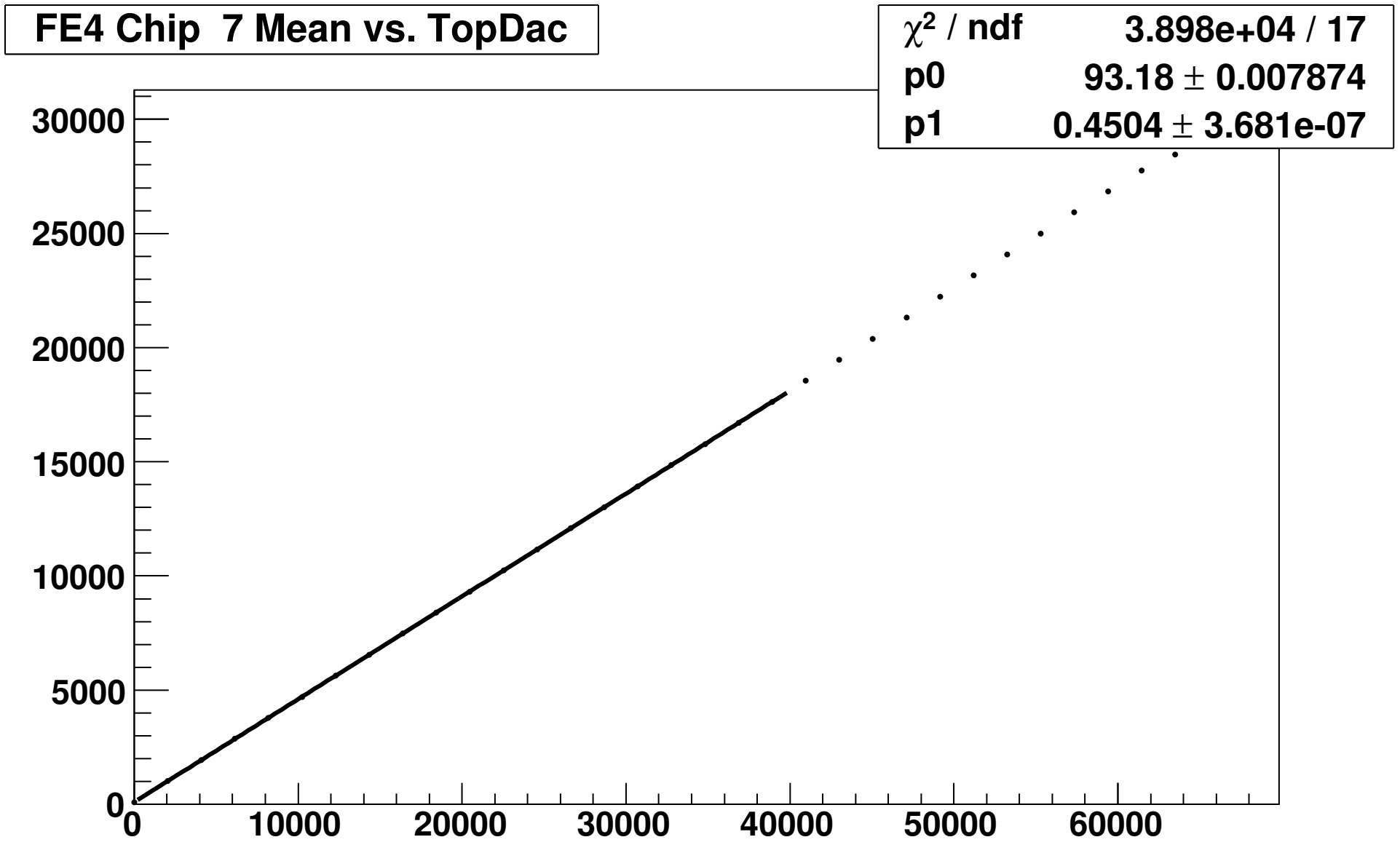

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 12.43 / 17
p0 1.46 ± 0.002523
p1 3.545e-16 ± 5.344e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 4.94e+04 / 17
p0 88.66 ± 0.007295
p1 0.4504 ± 3.357e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 3376 / 17
p0 1.352 ± 0.003886
p1 2.723e-05 ± 3.289e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 412 / 17
p0 94.16 ± 0.007801
p1 2.58e-06 ± 3.339e-07
94.4
94.3
94.2
94.1
94
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 23.74 / 17
p0 1.538 ± 0.002656
p1 3.243e-15 ± 4.422e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 3.898e+04 / 17
p0 93.18 ± 0.007874
p1 0.4504 ± 3.681e-07
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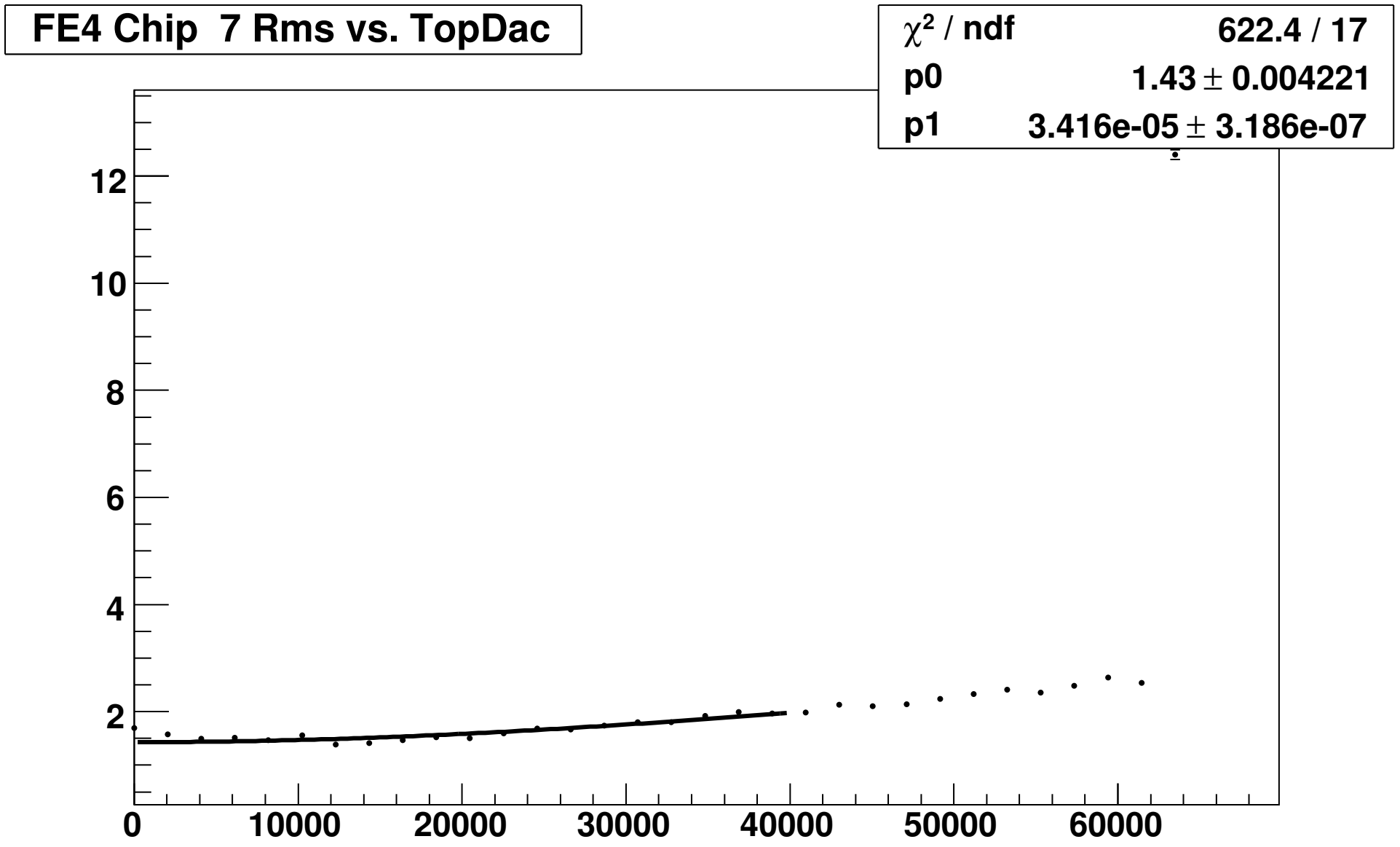
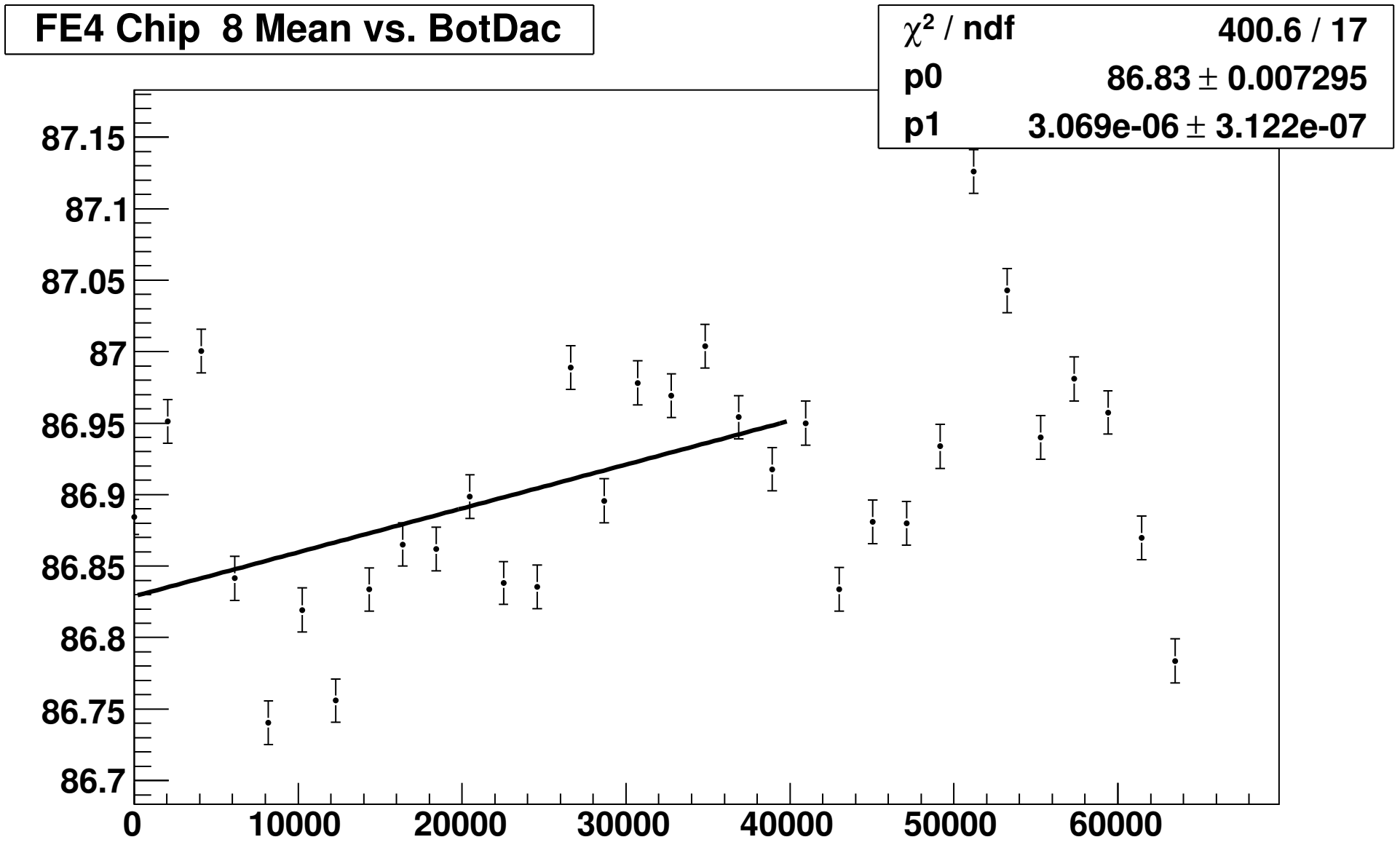
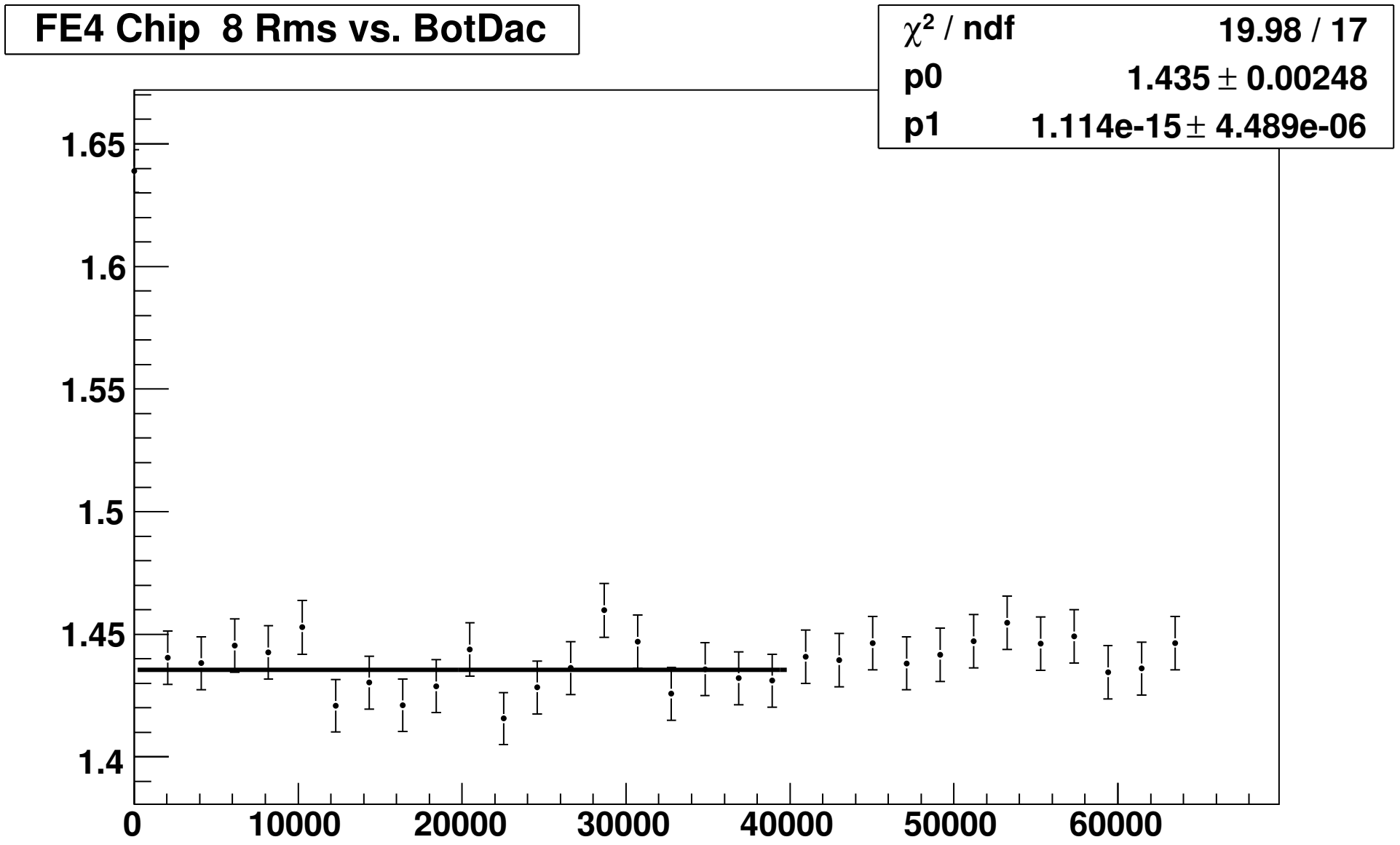
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 622.4 / 17
p0 1.43 ± 0.004221
p1 3.416e-05 ± 3.186e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 400.6 / 17
p0 86.83 ± 0.007295
p1 3.069e-06 ± 3.122e-07
87.15
87.1
87.05
87
86.95
86.9
86.85
86.8
86.75
86.7
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 19.98 / 17
p0 1.435 ± 0.00248
p1 1.114e-15 ± 4.489e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
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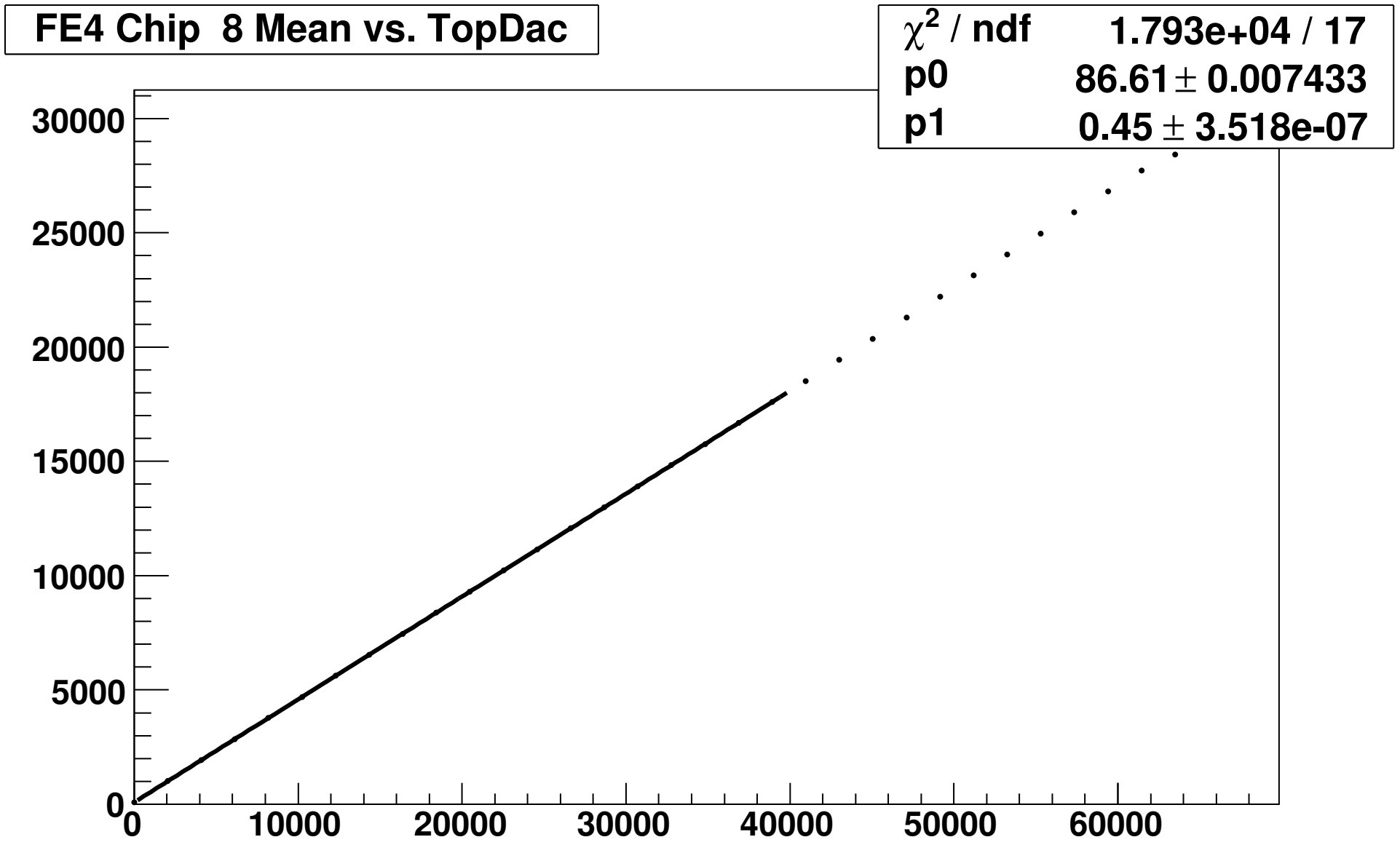
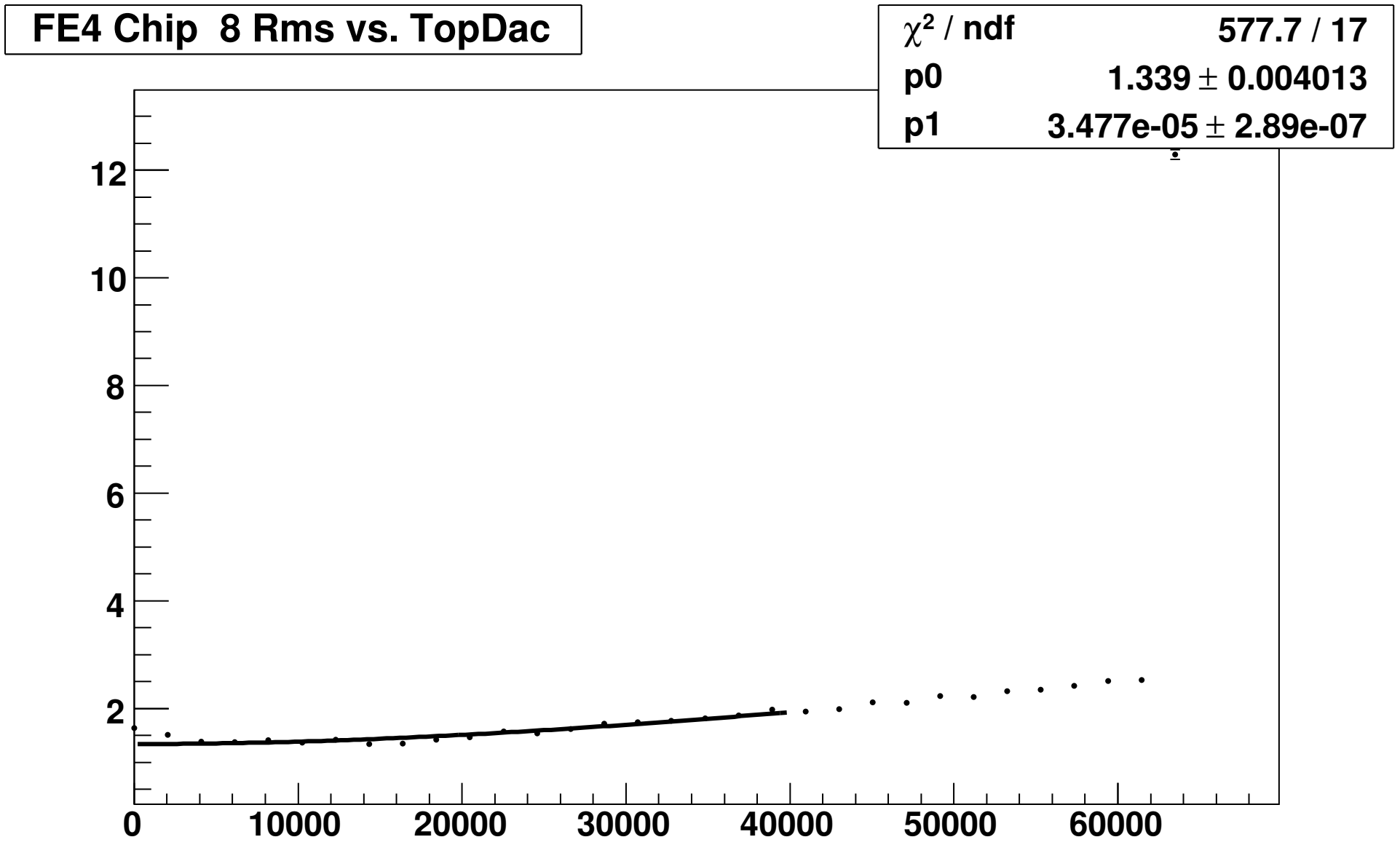
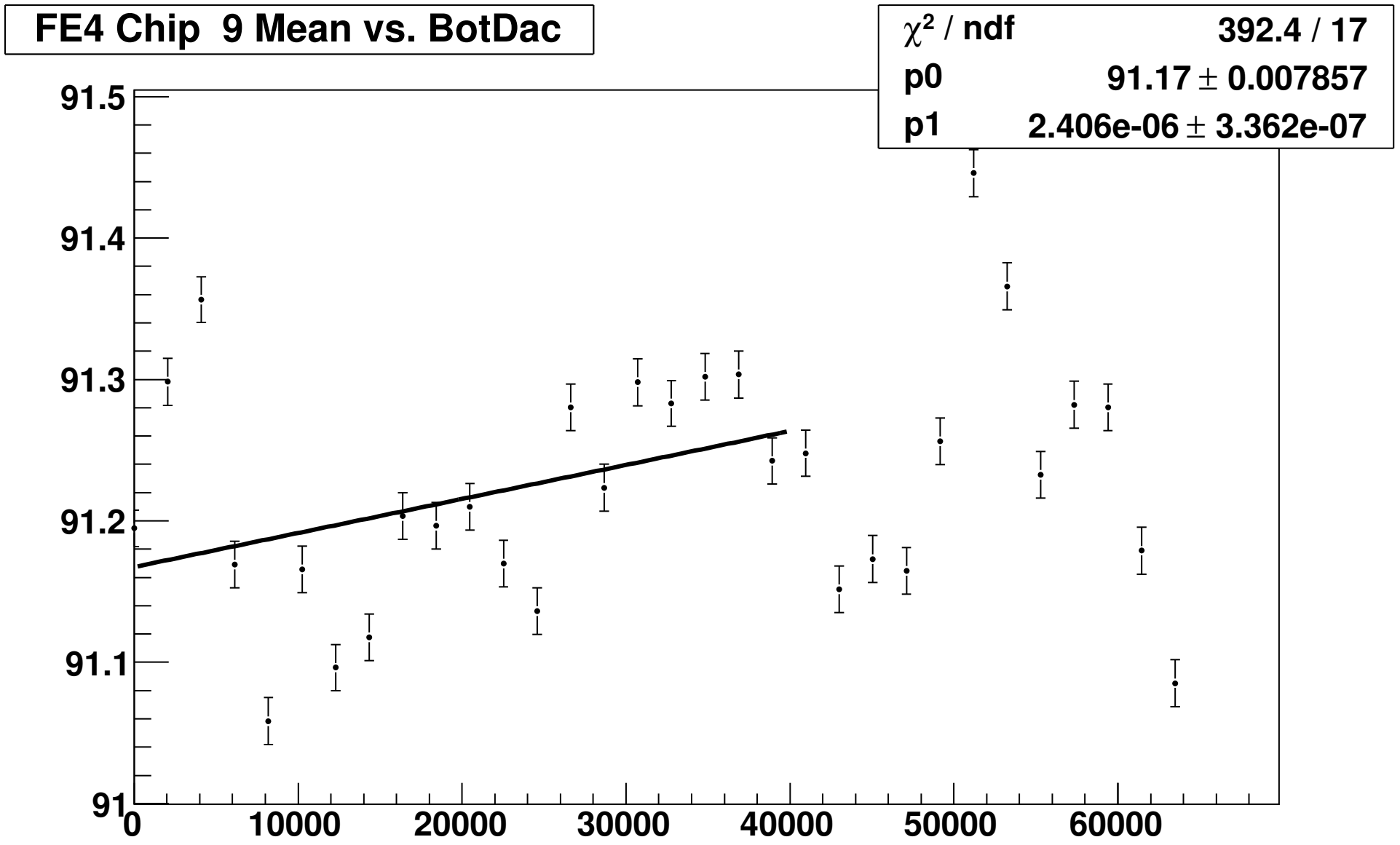
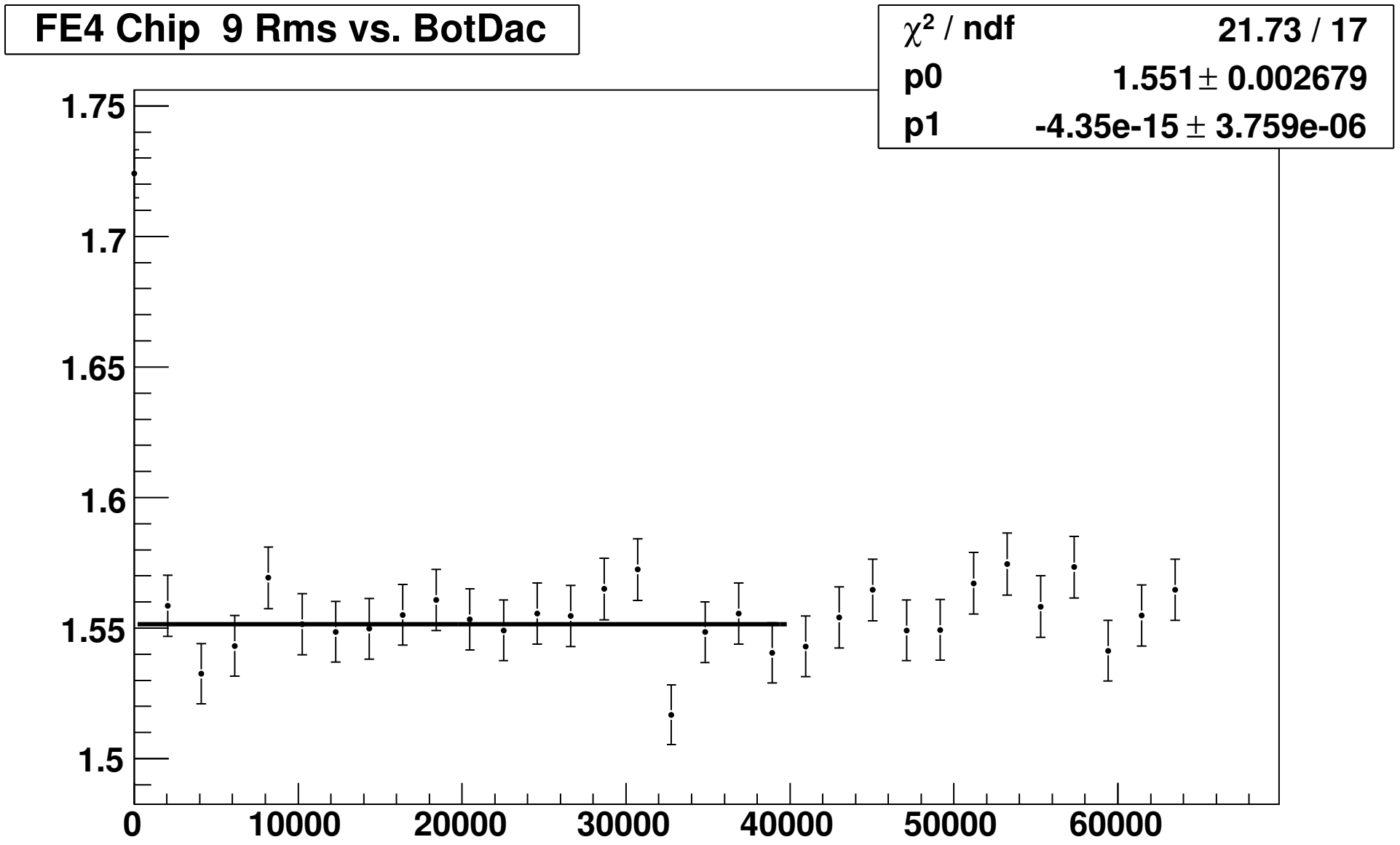

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.793e+04 / 17
p0 86.61 ± 0.007433
p1 0.45 ± 3.518e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 577.7 / 17
p0 1.339 ± 0.004013
p1 3.477e-05 ± 2.89e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 392.4 / 17
p0 91.17 ± 0.007857
p1 2.406e-06 ± 3.362e-07
91.5
91.4
91.3
91.2
91.1
91
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 21.73 / 17
p0 1.551 ± 0.002679
p1 -4.35e-15 ± 3.759e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
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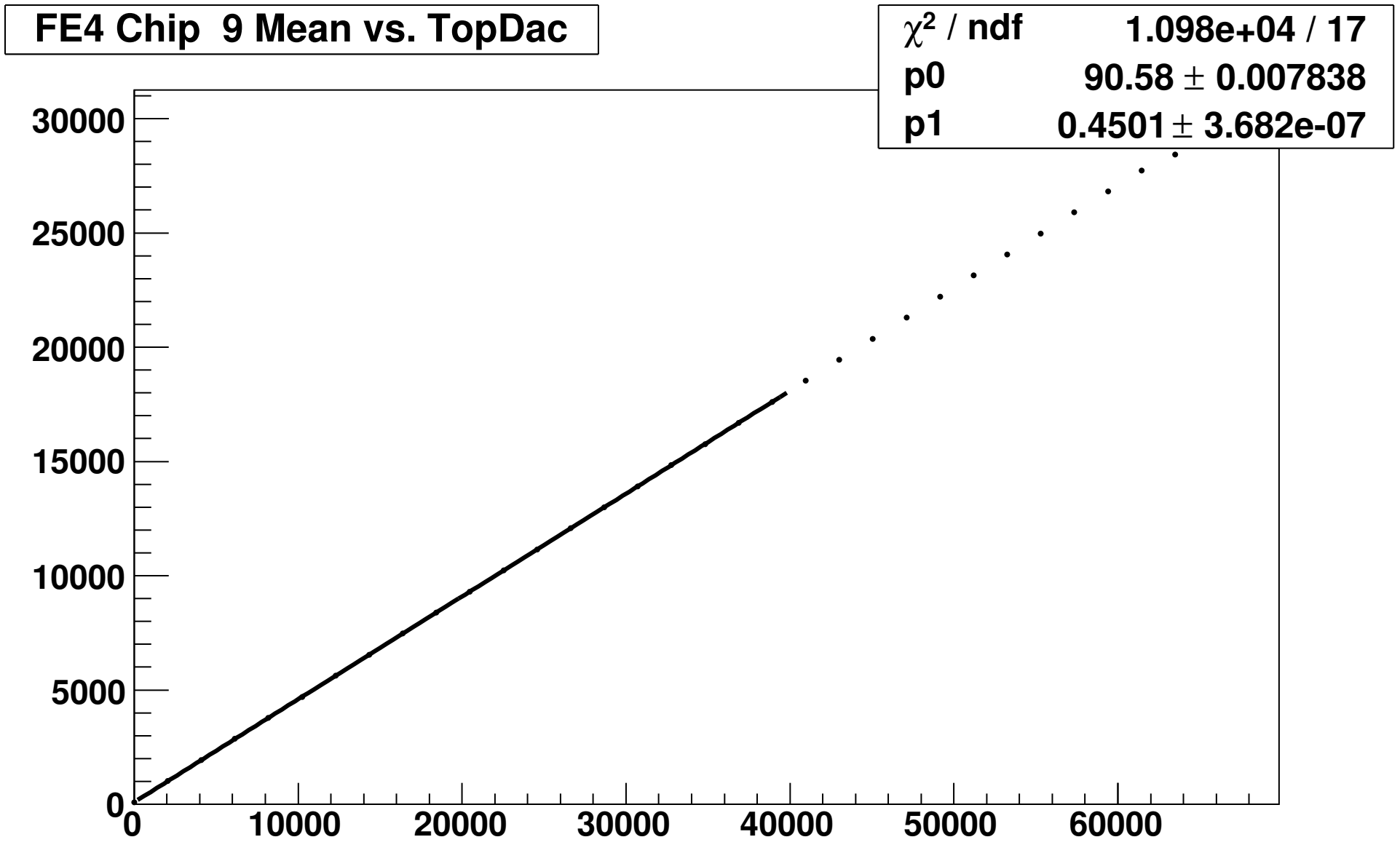
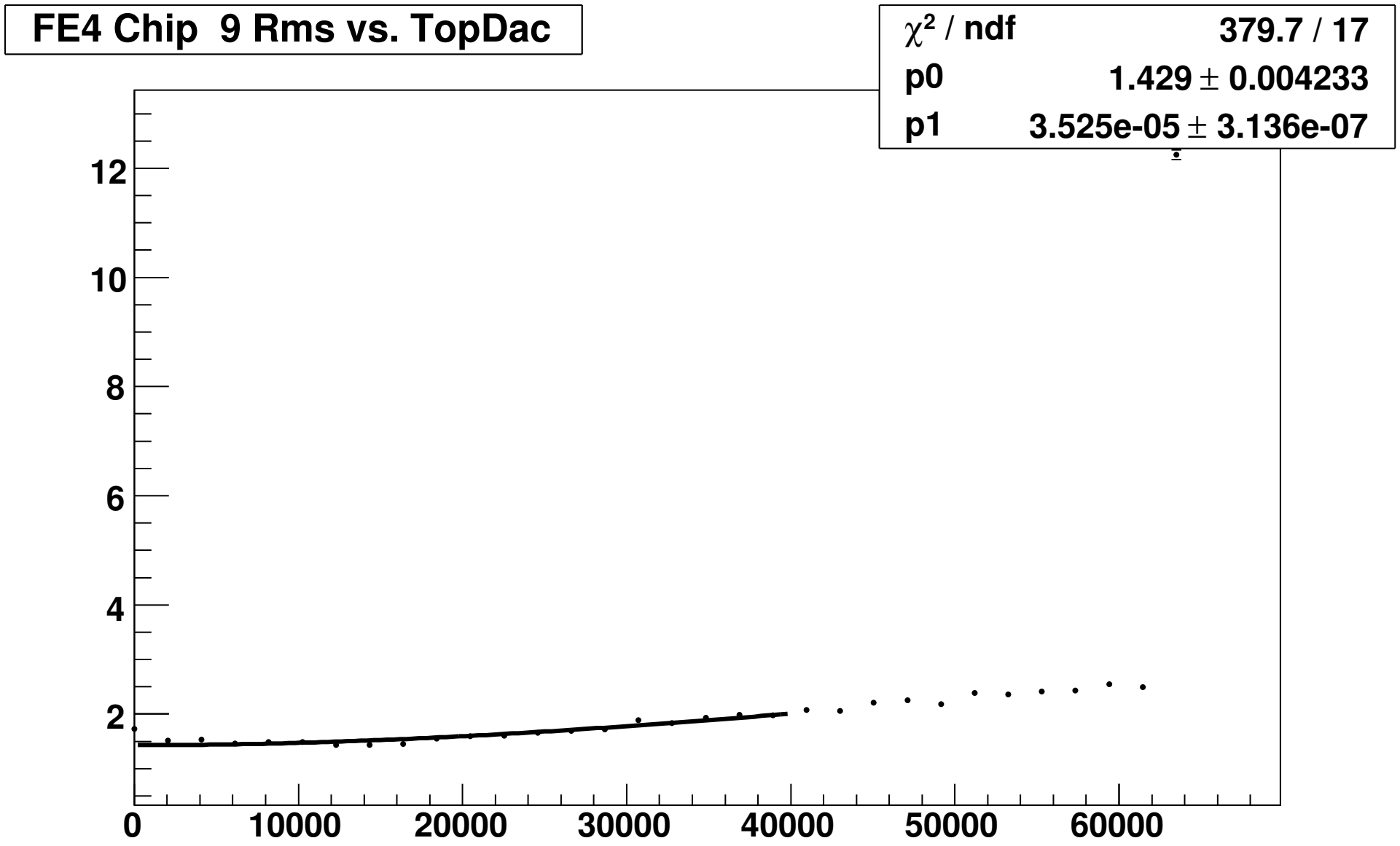
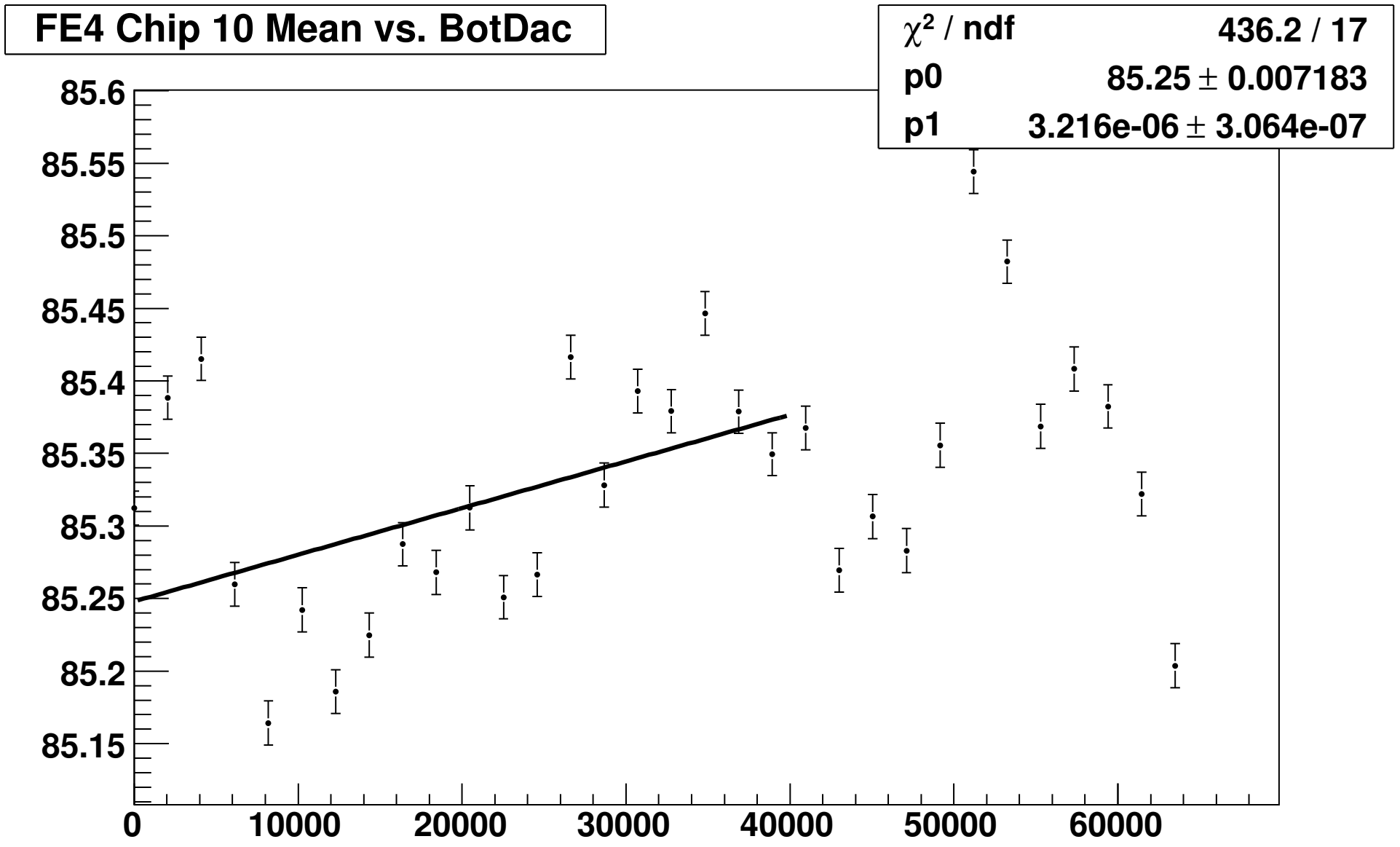
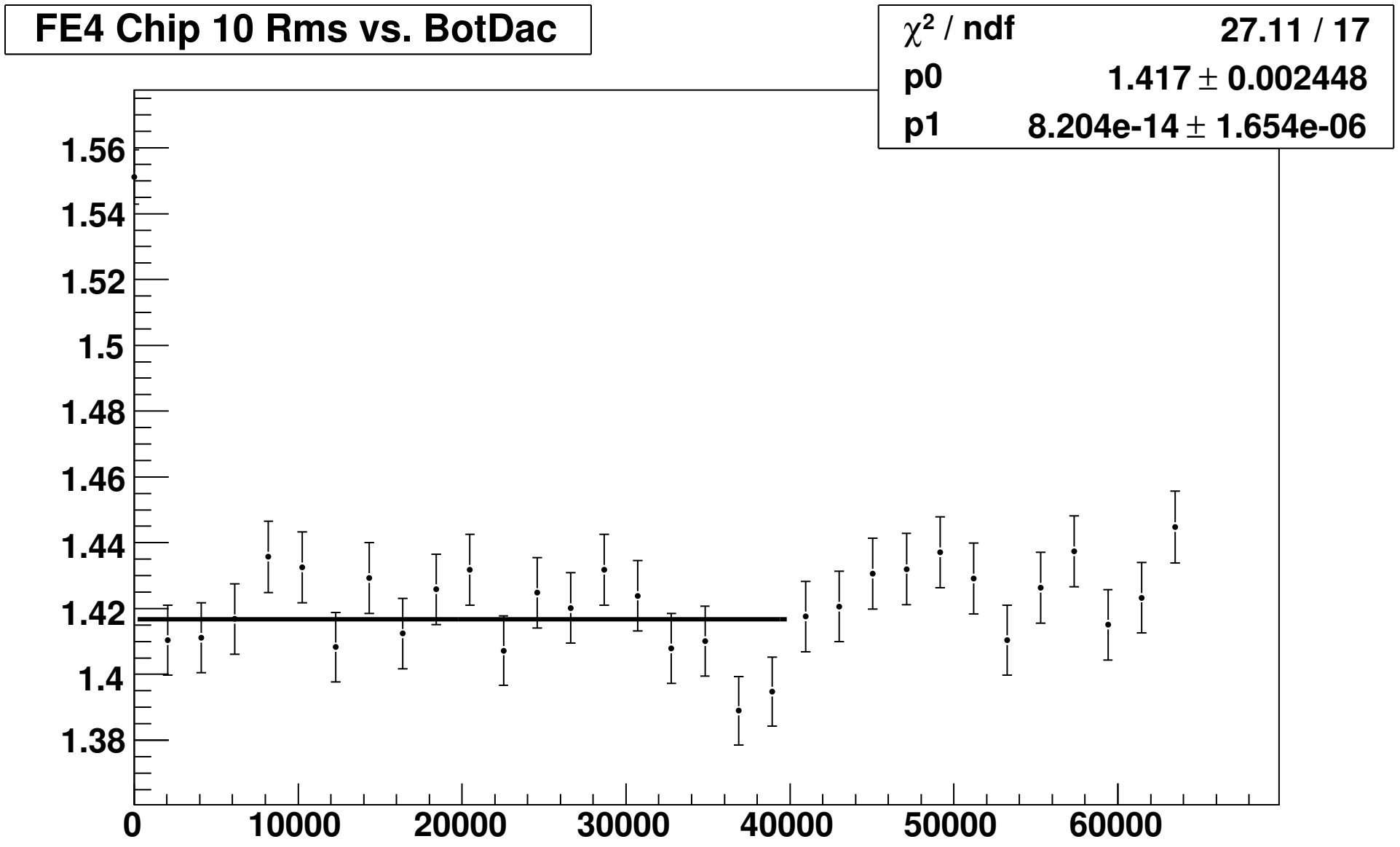
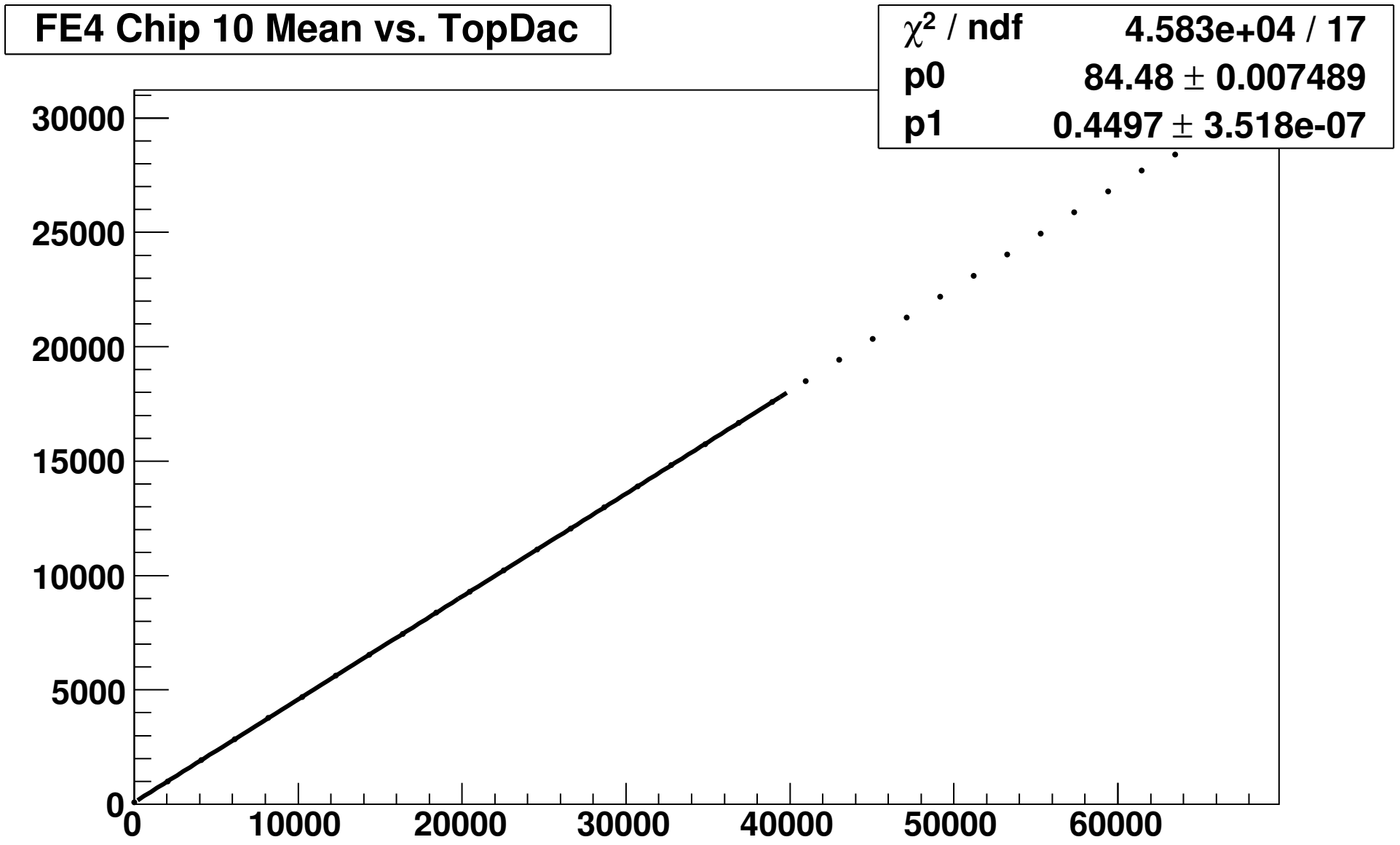
60000

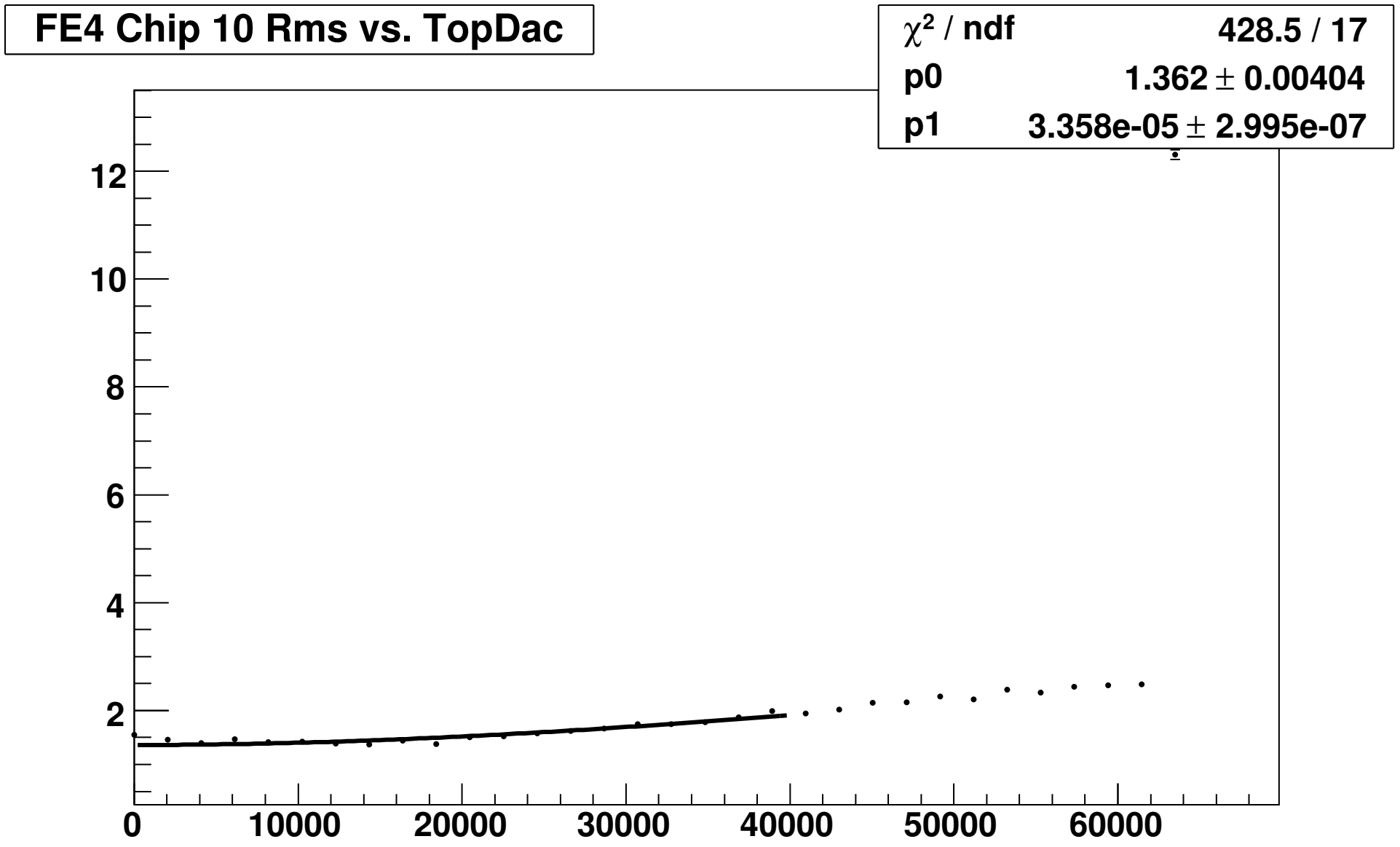

FE4 Chip 9 Mean vs. TopDac
χ² / ndf 1.098e+04 / 17
p0 90.58 ± 0.007838
p1 0.4501 ± 3.682e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

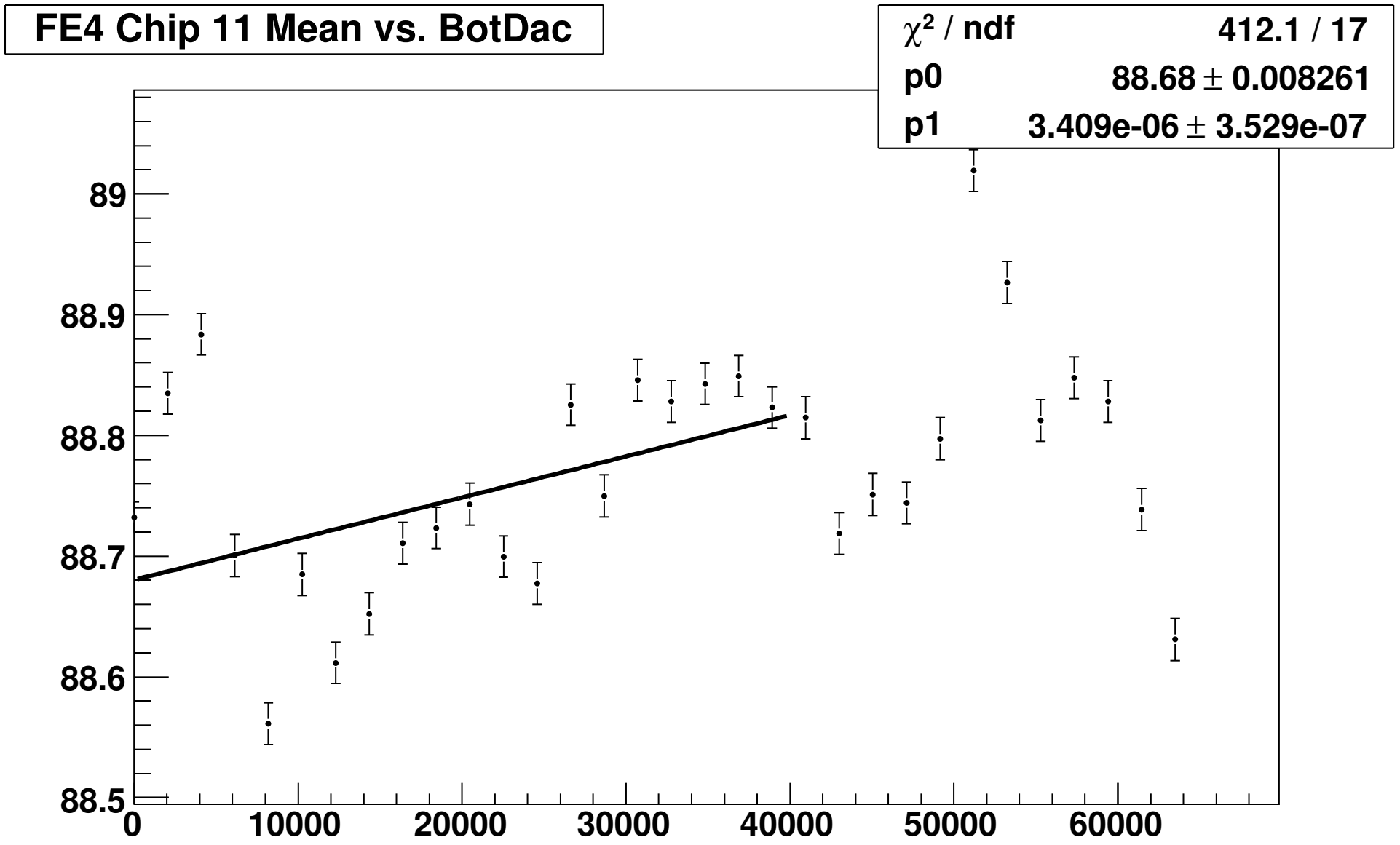

FE4 Chip 9 Rms vs. TopDac
χ² / ndf 379.7 / 17
p0 1.429 ± 0.004233
p1 3.525e-05 ± 3.136e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

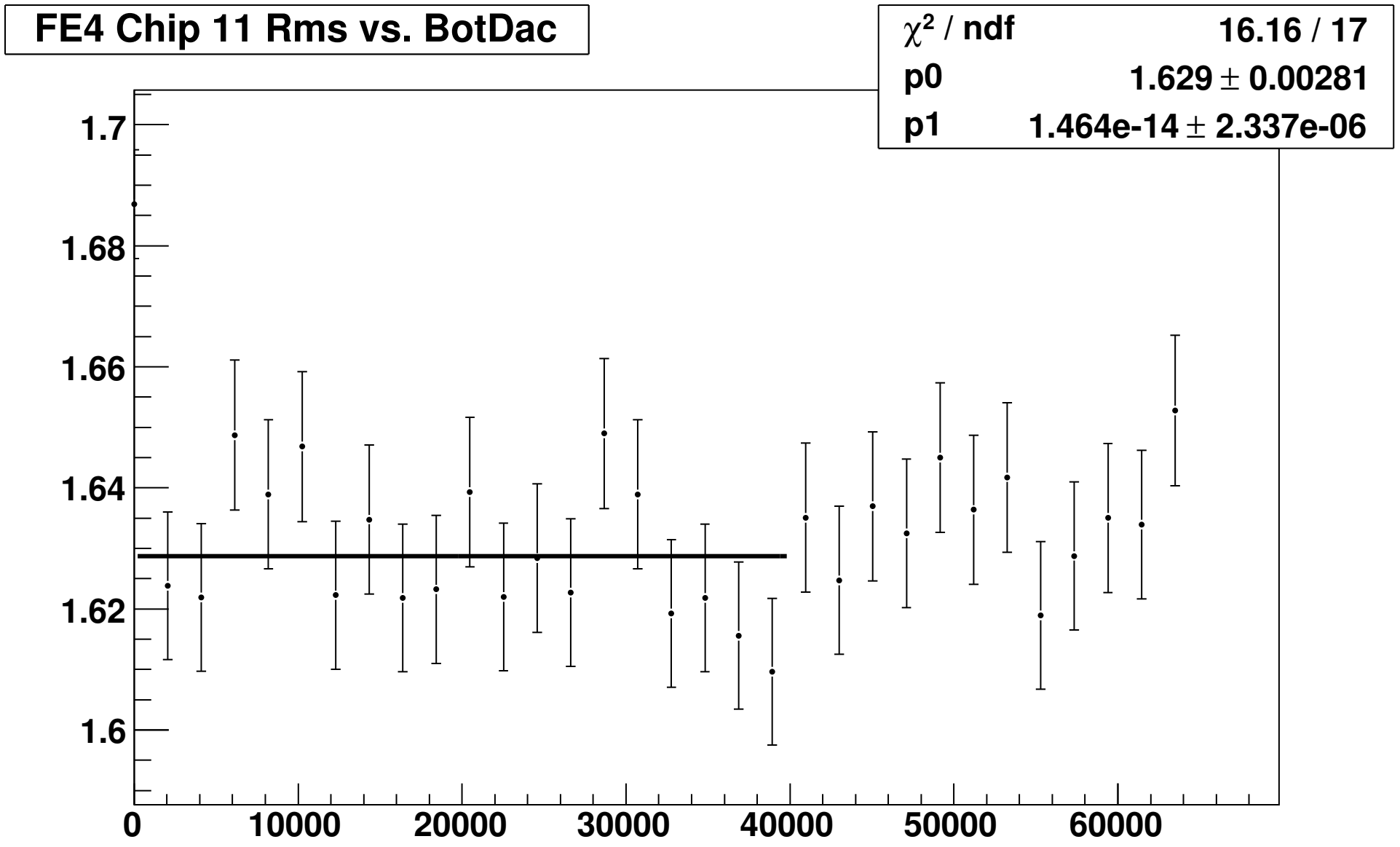

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 436.2 / 17
p0 85.25 ± 0.007183
p1 3.216e-06 ± 3.064e-07
85.6
85.55
85.5
85.45
85.4
85.35
85.3
85.25
85.2
85.15
0
10000
20000
30000
40000
50000
60000

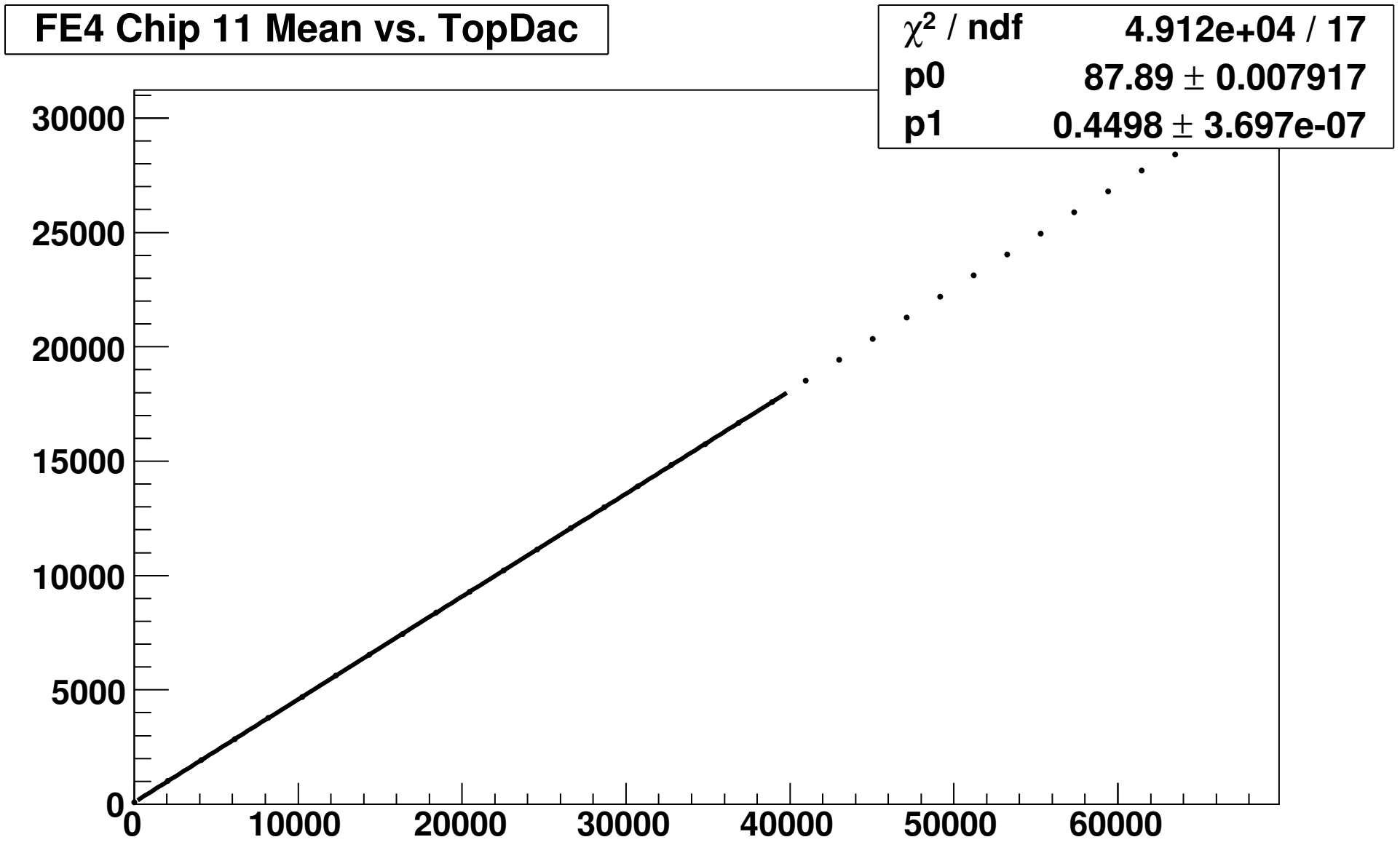

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 27.11 / 17
p0 1.417 ± 0.002448
p1 8.204e-14 ± 1.654e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

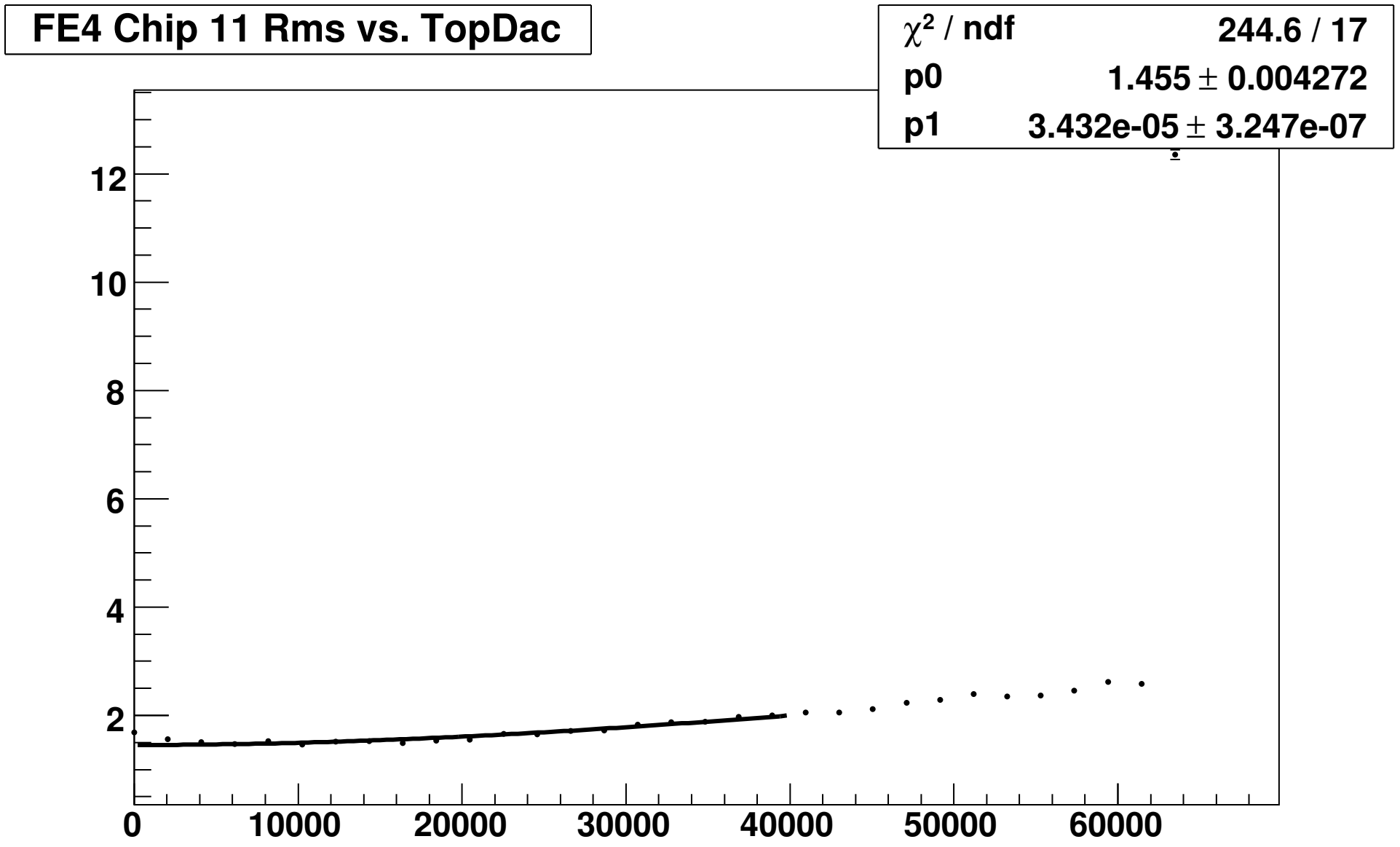

FE4 Chip 10 Mean vs. TopDac
χ² / ndf 4.583e+04 / 17
p0 84.48 ± 0.007489
p1 0.4497 ± 3.518e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

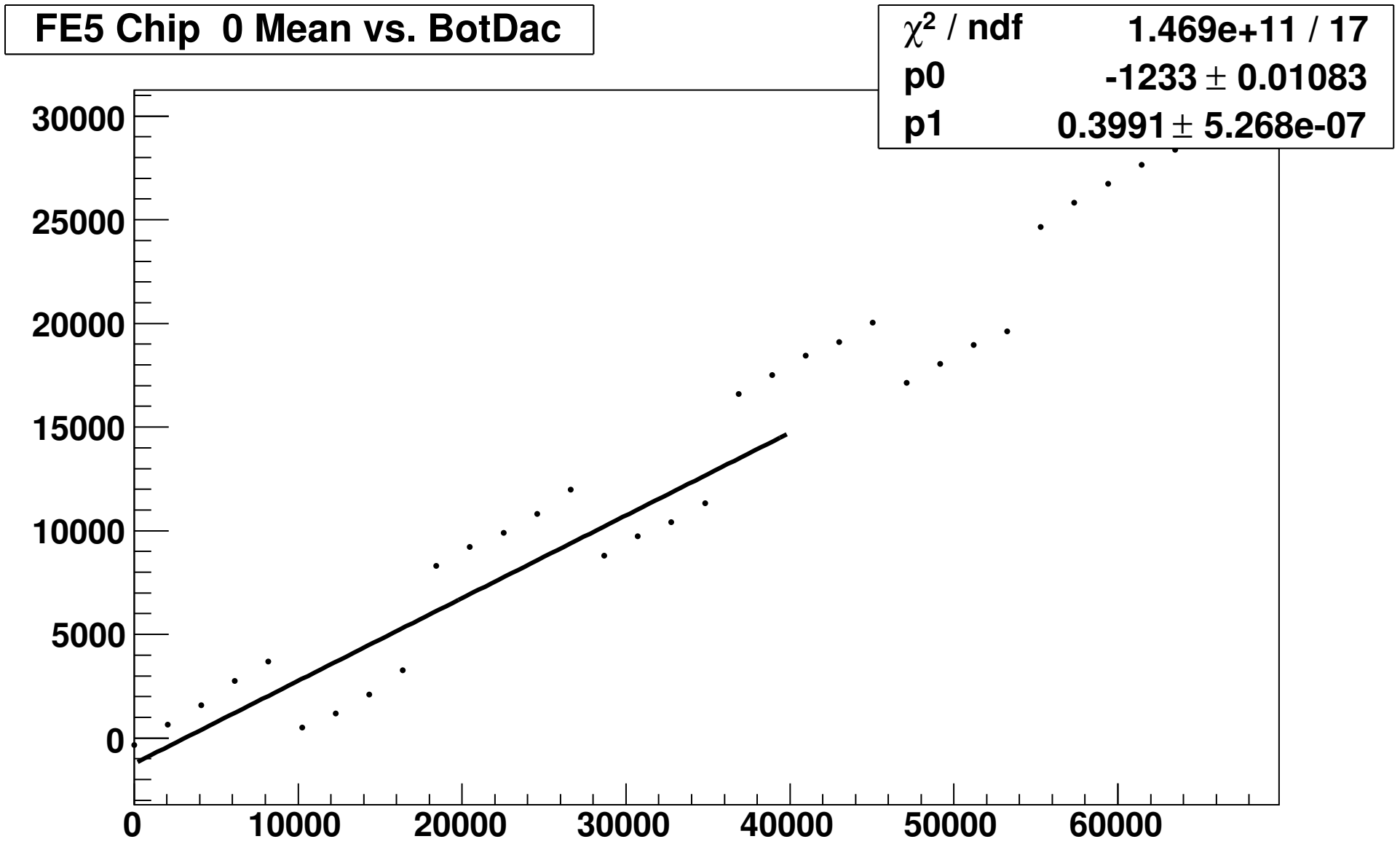

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 428.5 / 17
p0 1.362 ± 0.00404
p1 3.358e-05 ± 2.995e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

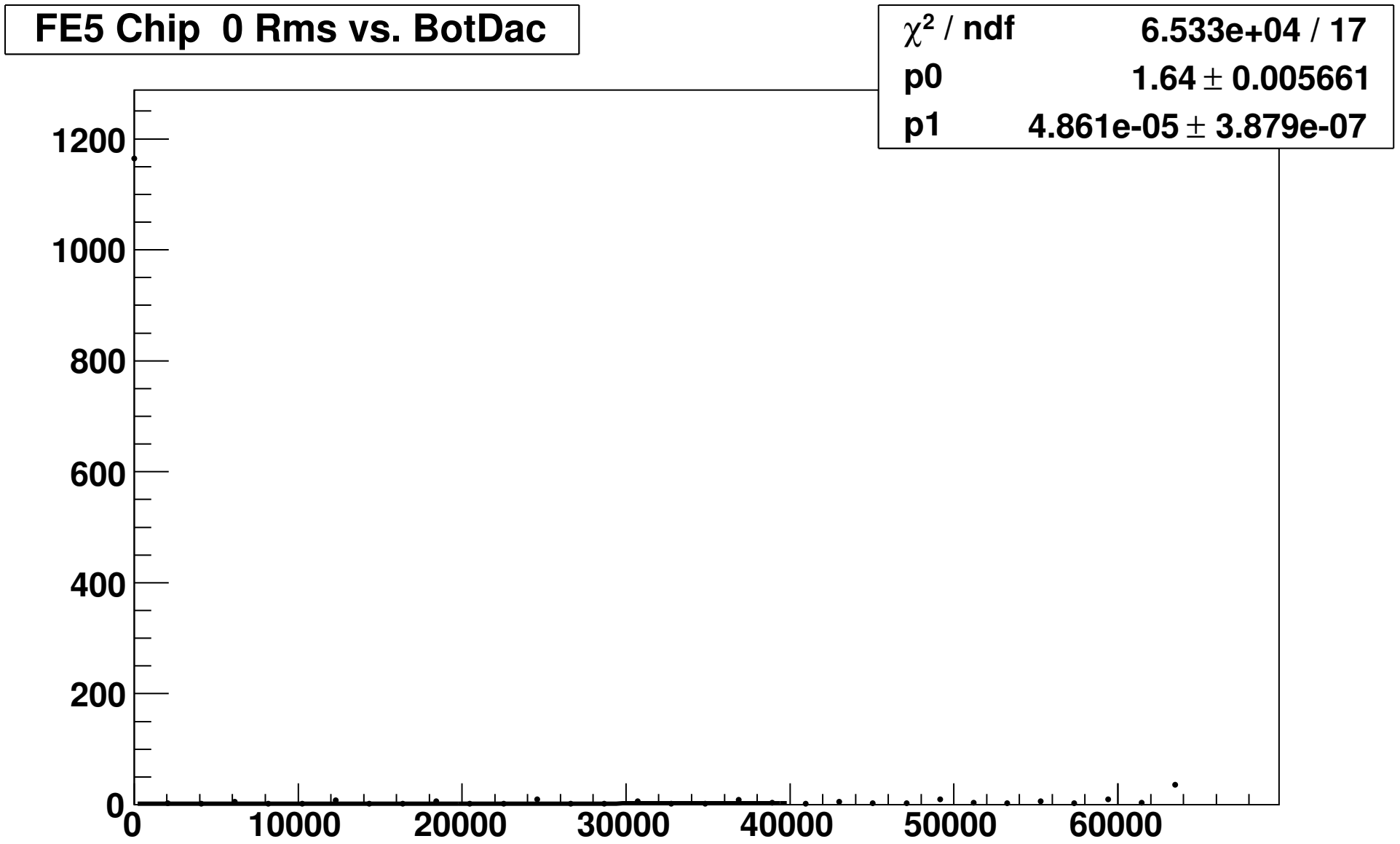

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 412.1 / 17
p0 88.68 ± 0.008261
p1 3.409e-06 ± 3.529e-07
89
88.9
88.8
88.7
88.6
88.5
0
10000
20000
30000
40000
50000
60000

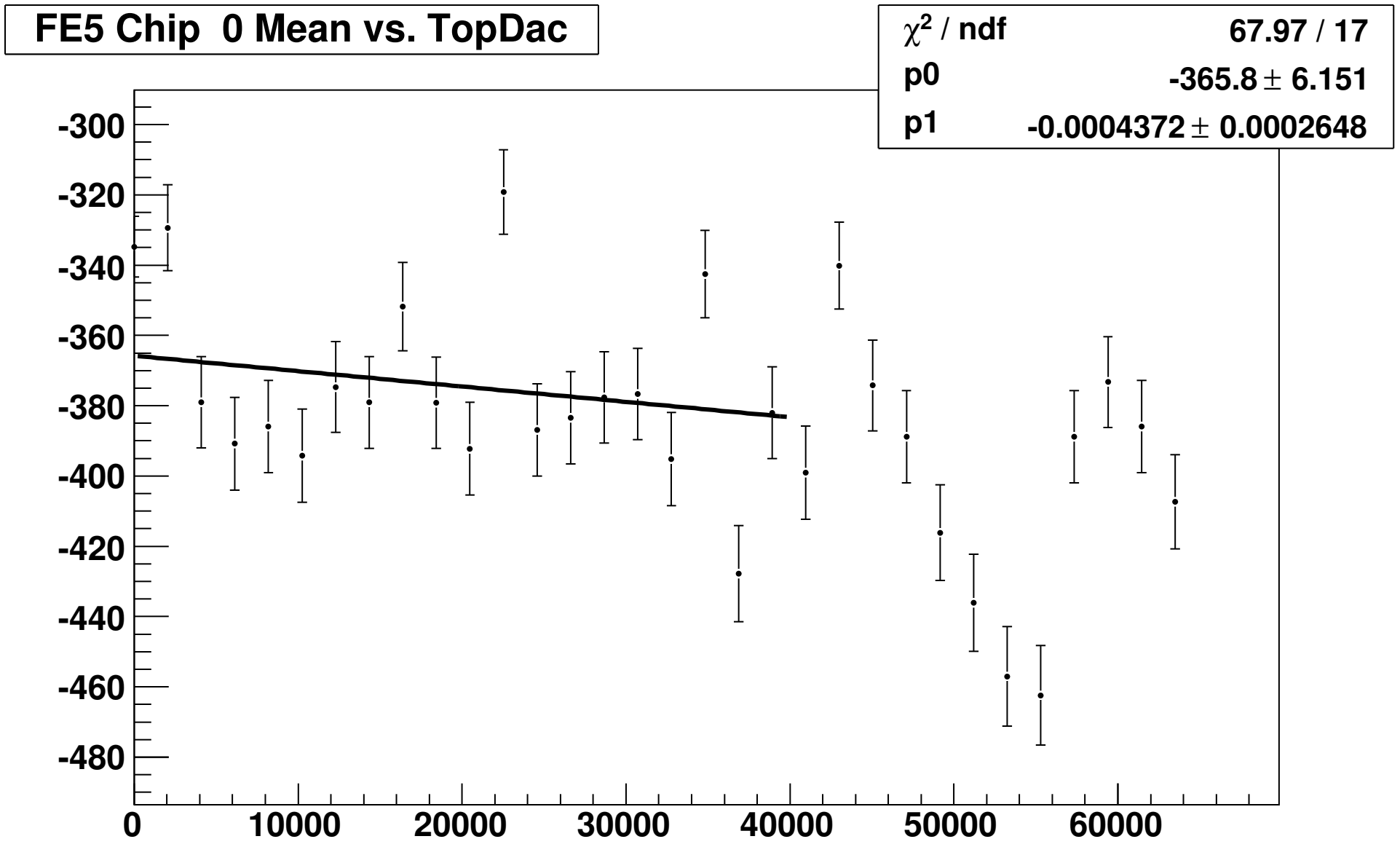

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 16.16 / 17
p0 1.629 ± 0.00281
p1 1.464e-14 ± 2.337e-06
1.7
1.68
1.66
1.64
1.62
1.6
0
10000
20000
30000
40000
50000
60000

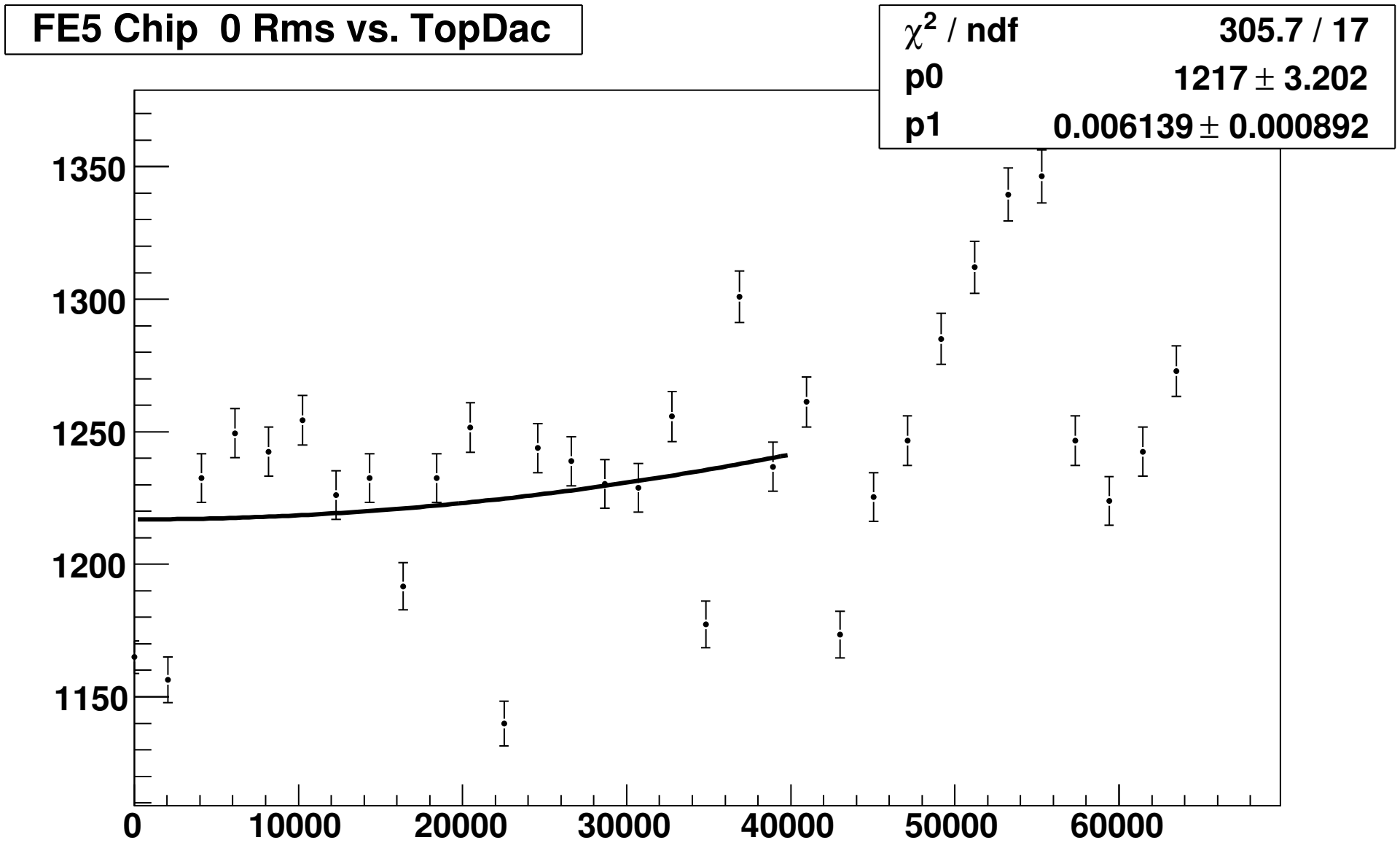

FE4 Chip 11 Mean vs. TopDac
χ² / ndf 4.912e+04 / 17
p0 87.89 ± 0.007917
p1 0.4498 ± 3.697e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

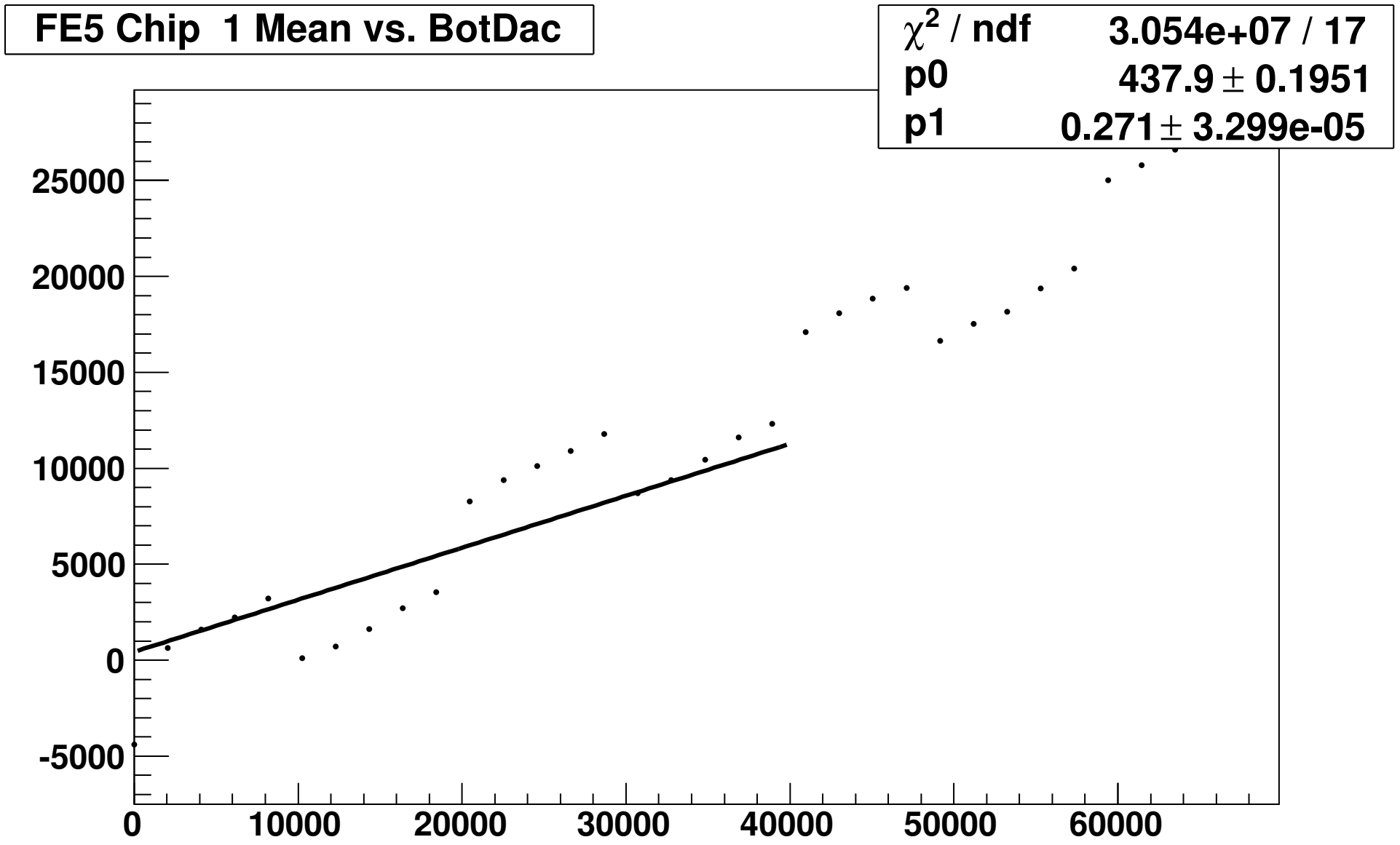

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 244.6 / 17
p0 1.455 ± 0.004272
p1 3.432e-05 ± 3.247e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

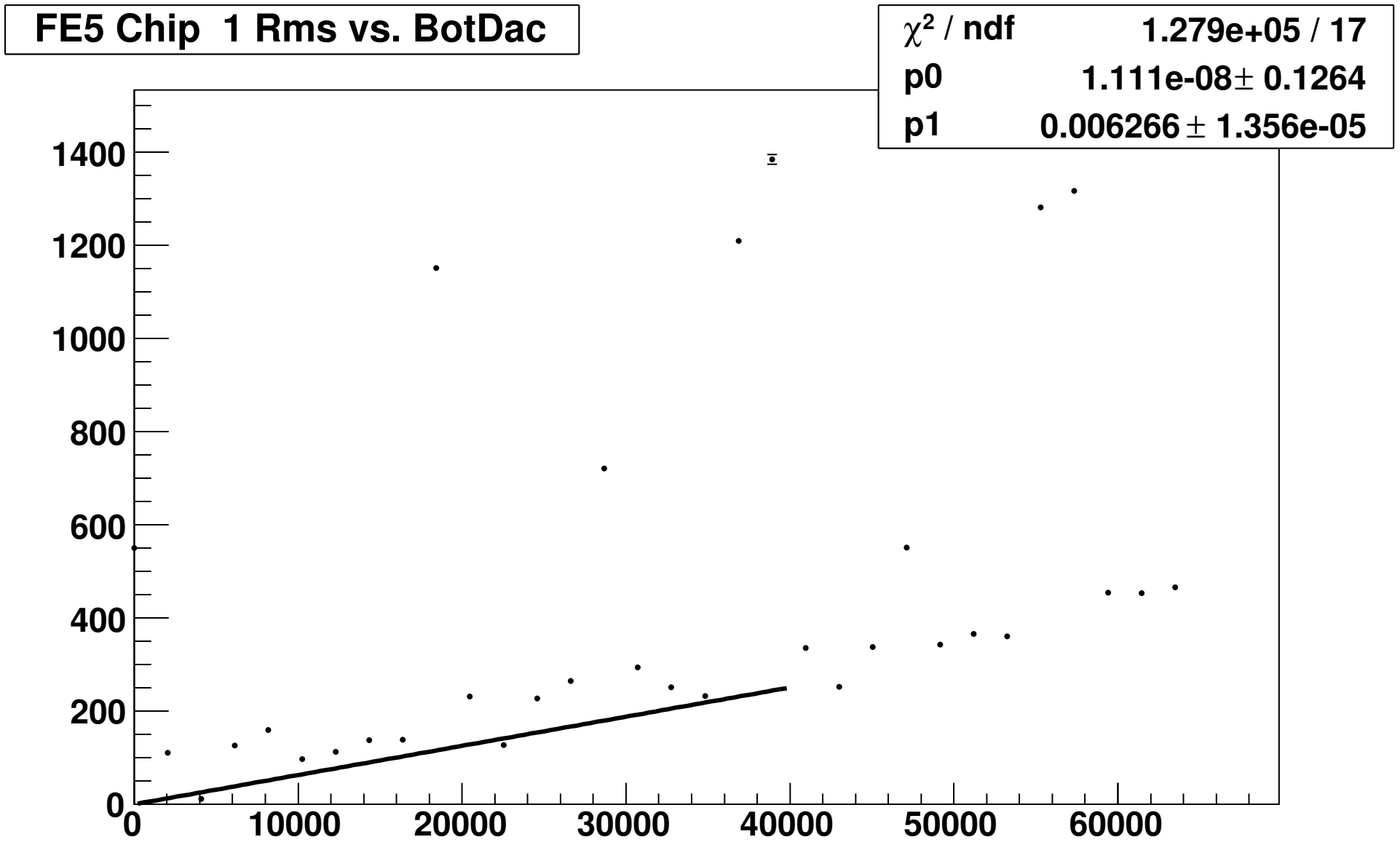

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.469e+11 / 17
p0 -1233 ± 0.01083
p1 0.3991 ± 5.268e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

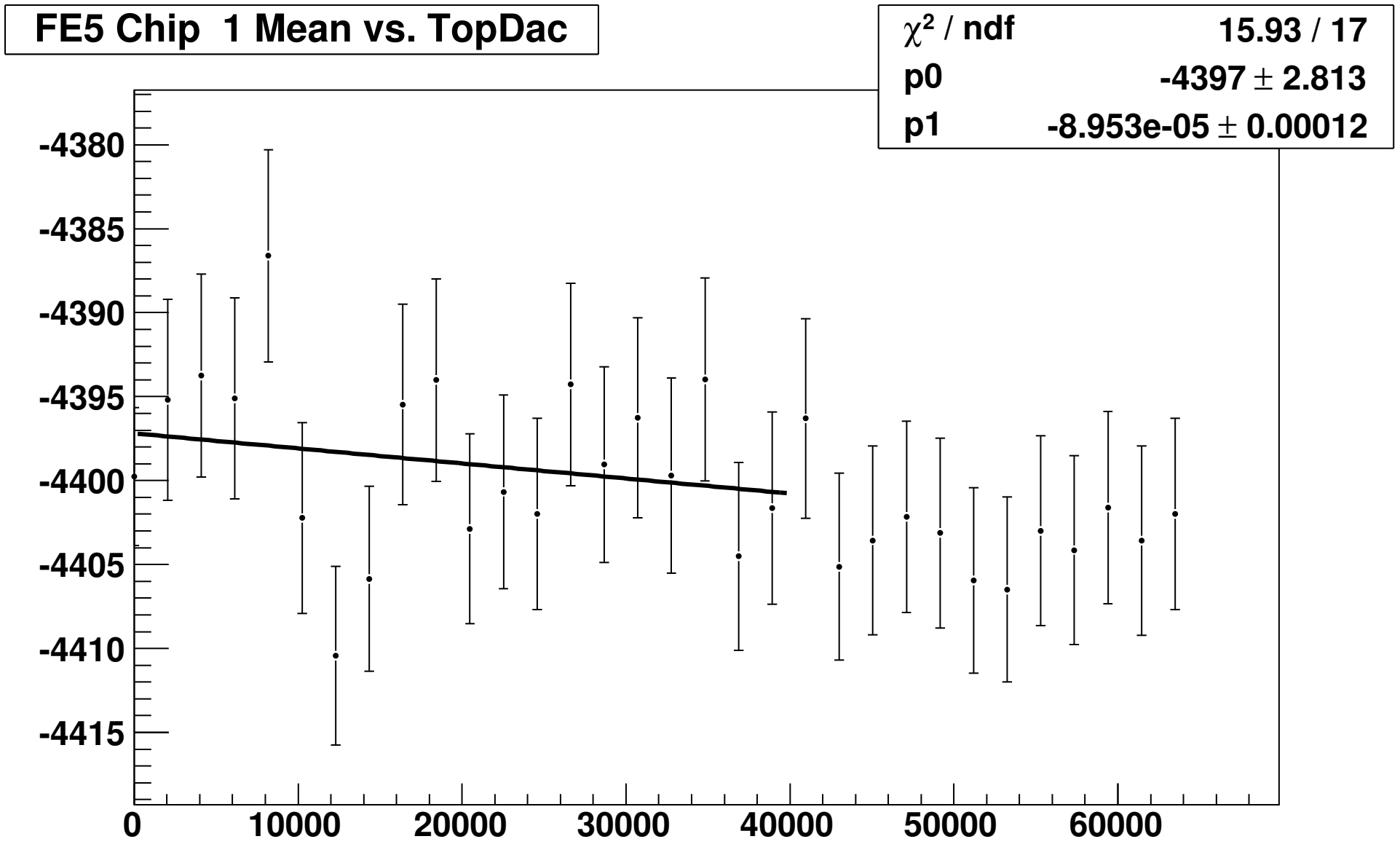

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 6.533e+04 / 17
p0 1.64 ± 0.005661
p1 4.861e-05 ± 3.879e-07
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

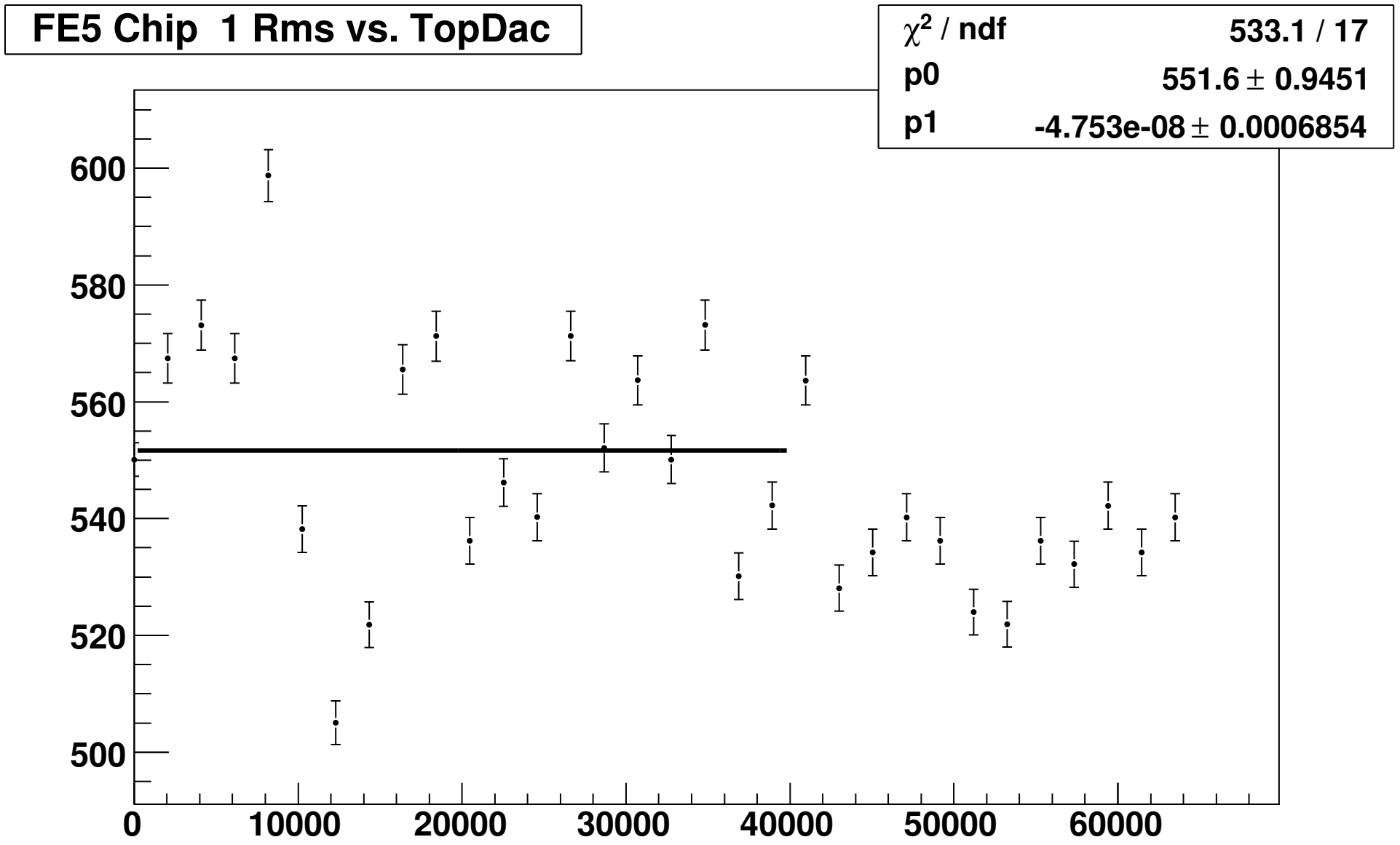

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 67.97 / 17
p0 -365.8 ± 6.151
p1 -0.0004372 ± 0.0002648
-300
-320
-340
-360
-380
-400
-420
-440
-460
-480
0
10000
20000
30000
40000
50000
60000

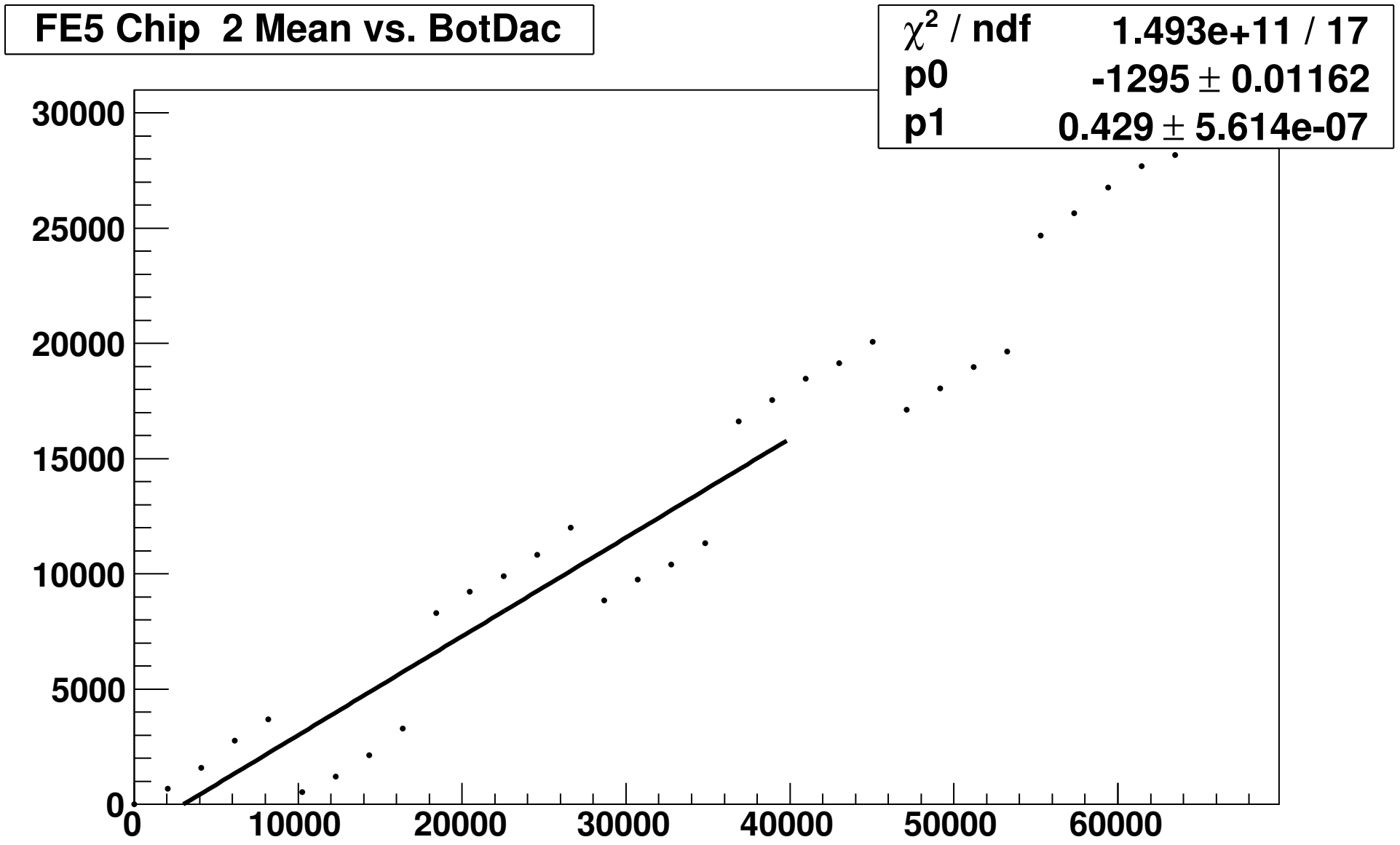

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 305.7 / 17
p0 1217 ± 3.202
p1 0.006139 ± 0.000892
1350
1300
1250
1200
1150
0
10000
20000
30000
40000
50000
60000

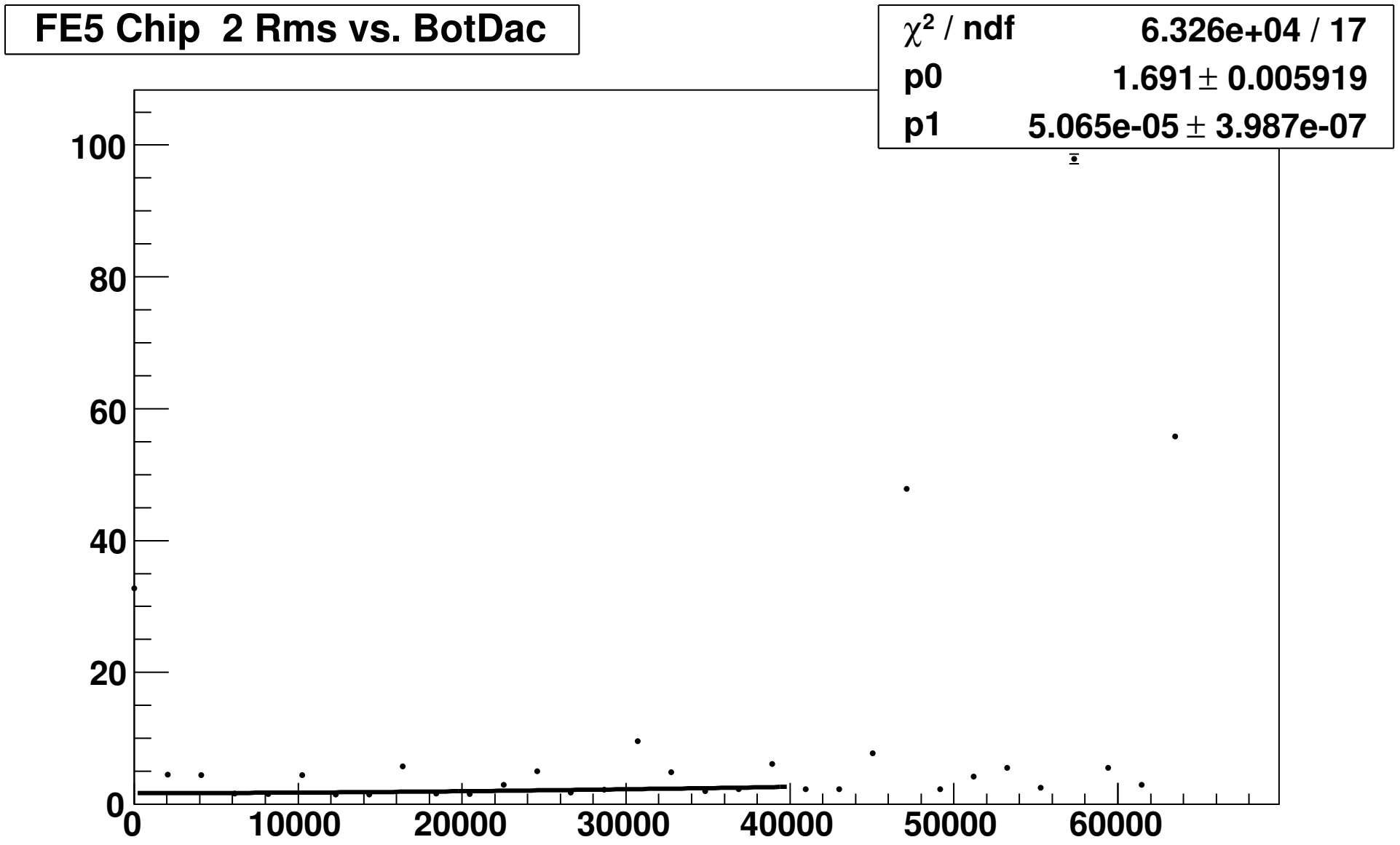

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 3.054e+07 / 17
p0 437.9 ± 0.1951
p1 0.271 ± 3.299e-05
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

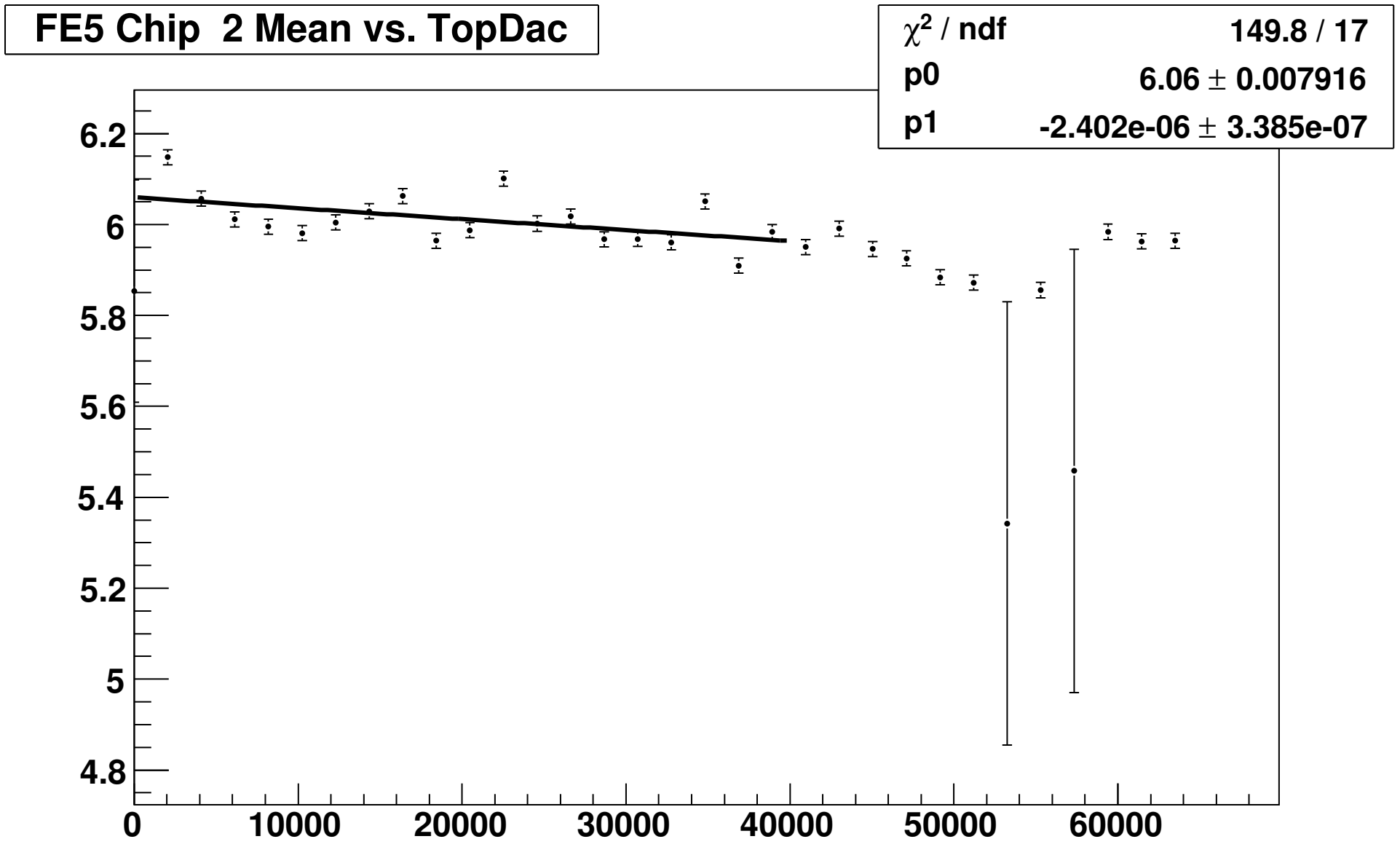

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 1.279e+05 / 17
p0 1.111e-08 ± 0.1264
p1 0.006266 ± 1.356e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

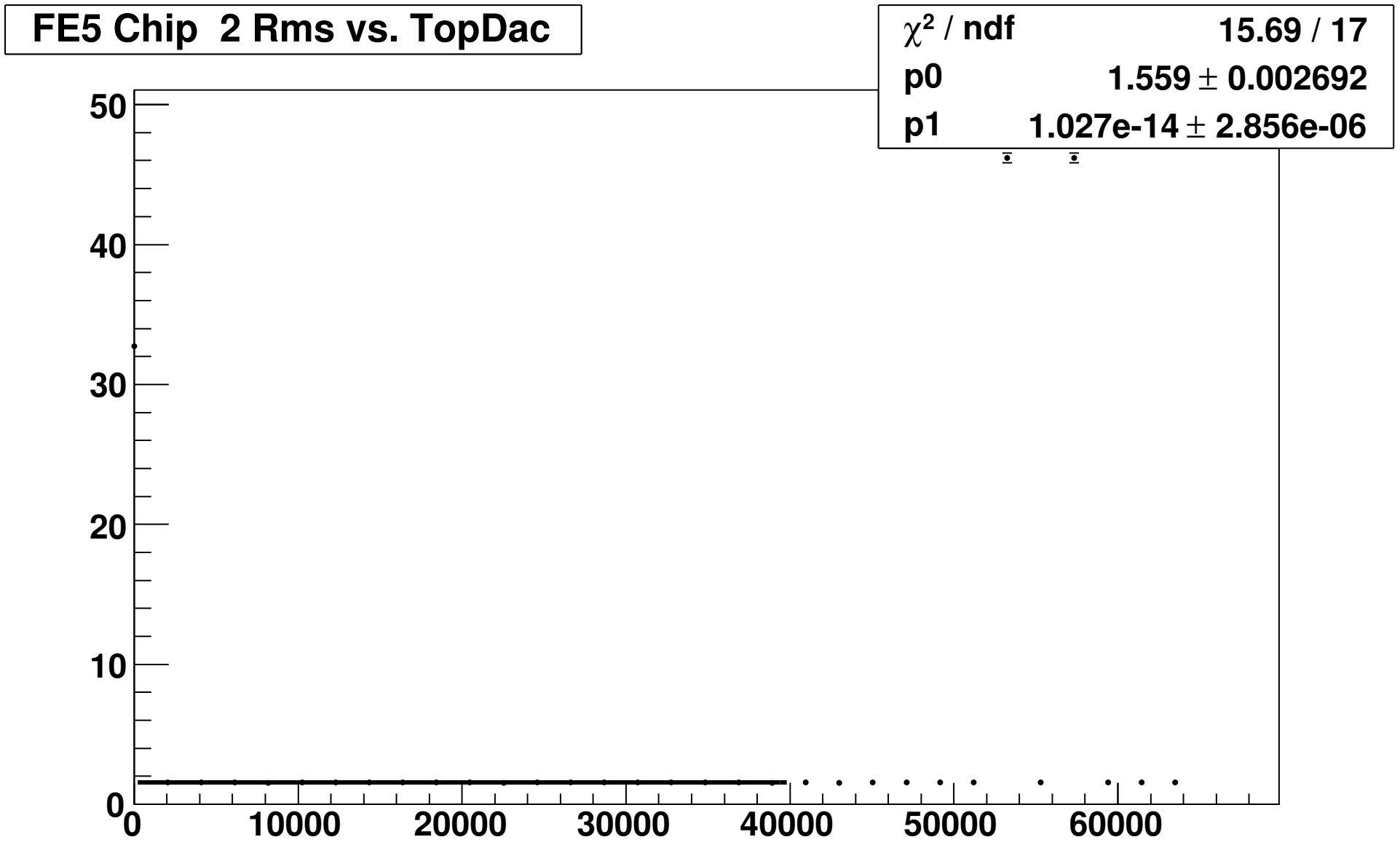

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 15.93 / 17
p0 -4397 ± 2.813
p1 -8.953e-05 ± 0.00012
-4380
-4385
-4390
-4395
-4400
-4405
-4410
-4415
0
10000
20000
30000
40000
50000
60000

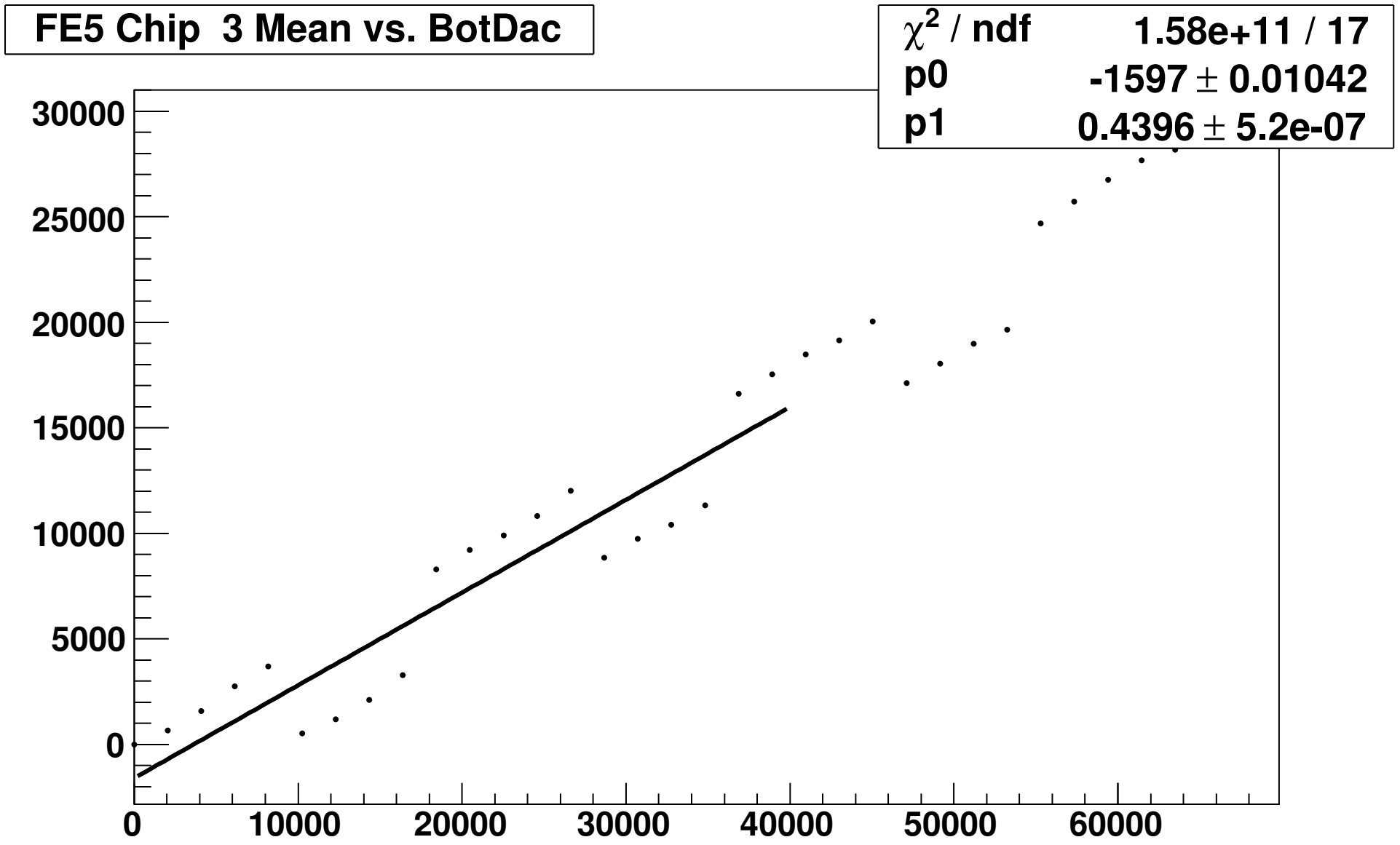

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 533.1 / 17
p0 551.6 ± 0.9451
p1 -4.753e-08 ± 0.0006854
600
580
560
540
520
500
0
10000
20000
30000
40000
50000
60000

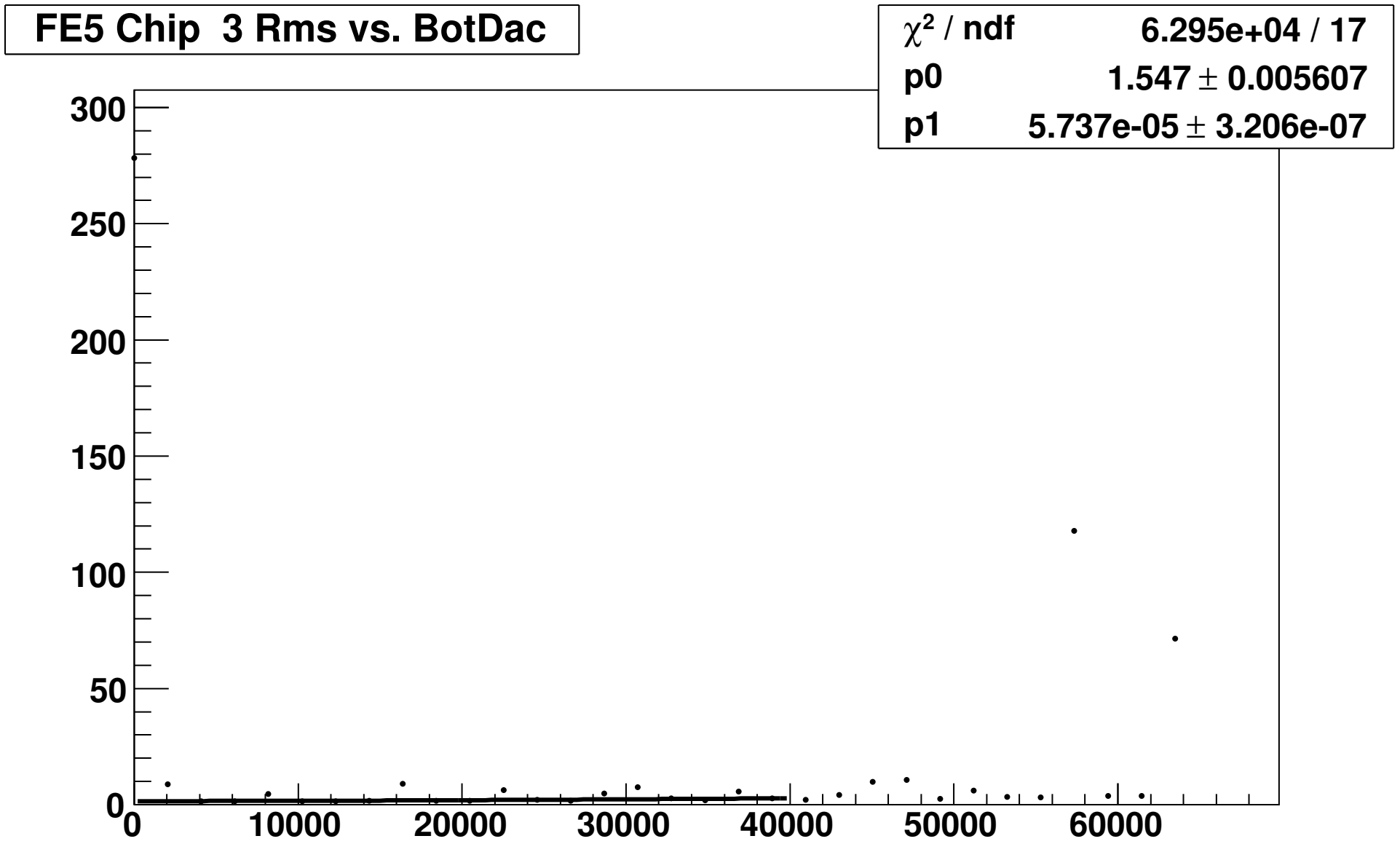

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.493e+11 / 17
p0 -1295 ± 0.01162
p1 0.429 ± 5.614e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

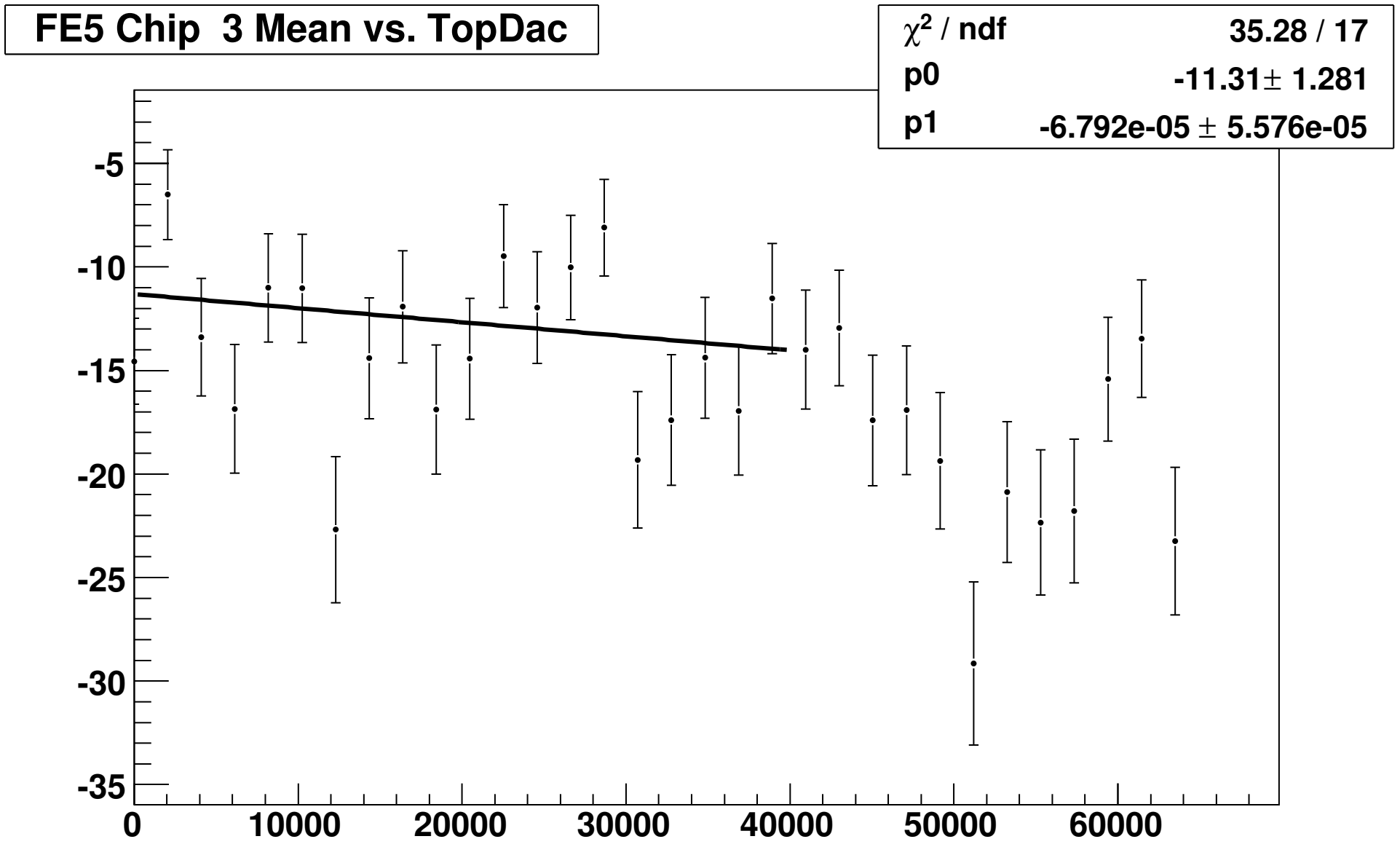

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 6.326e+04 / 17
p0 1.691 ± 0.005919
p1 5.065e-05 ± 3.987e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

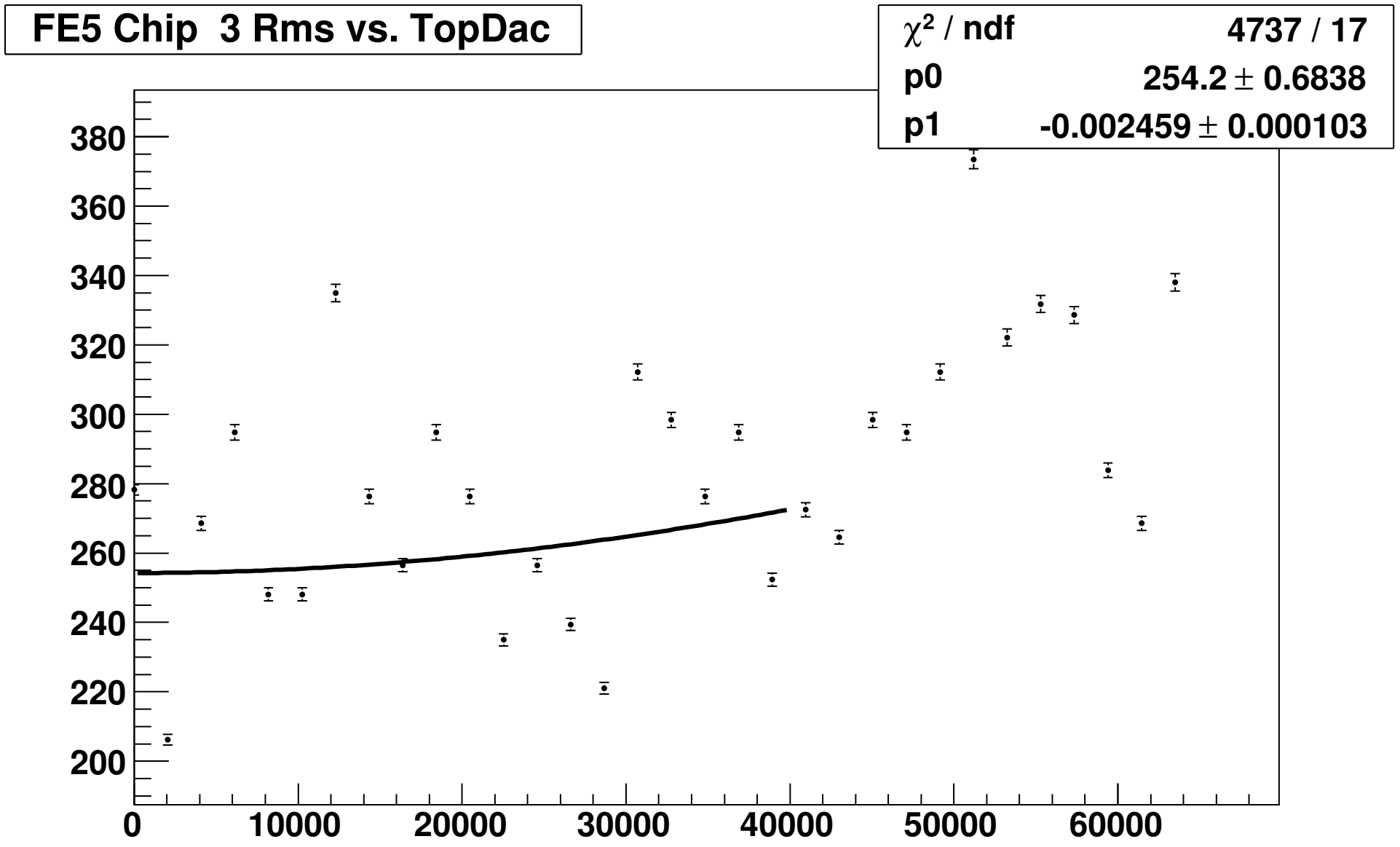

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 149.8 / 17
p0 6.06 ± 0.007916
p1 -2.402e-06 ± 3.385e-07
6.2
6
5.8
5.6
5.4
5.2
5
4.8
0
10000
20000
30000
40000
50000
60000

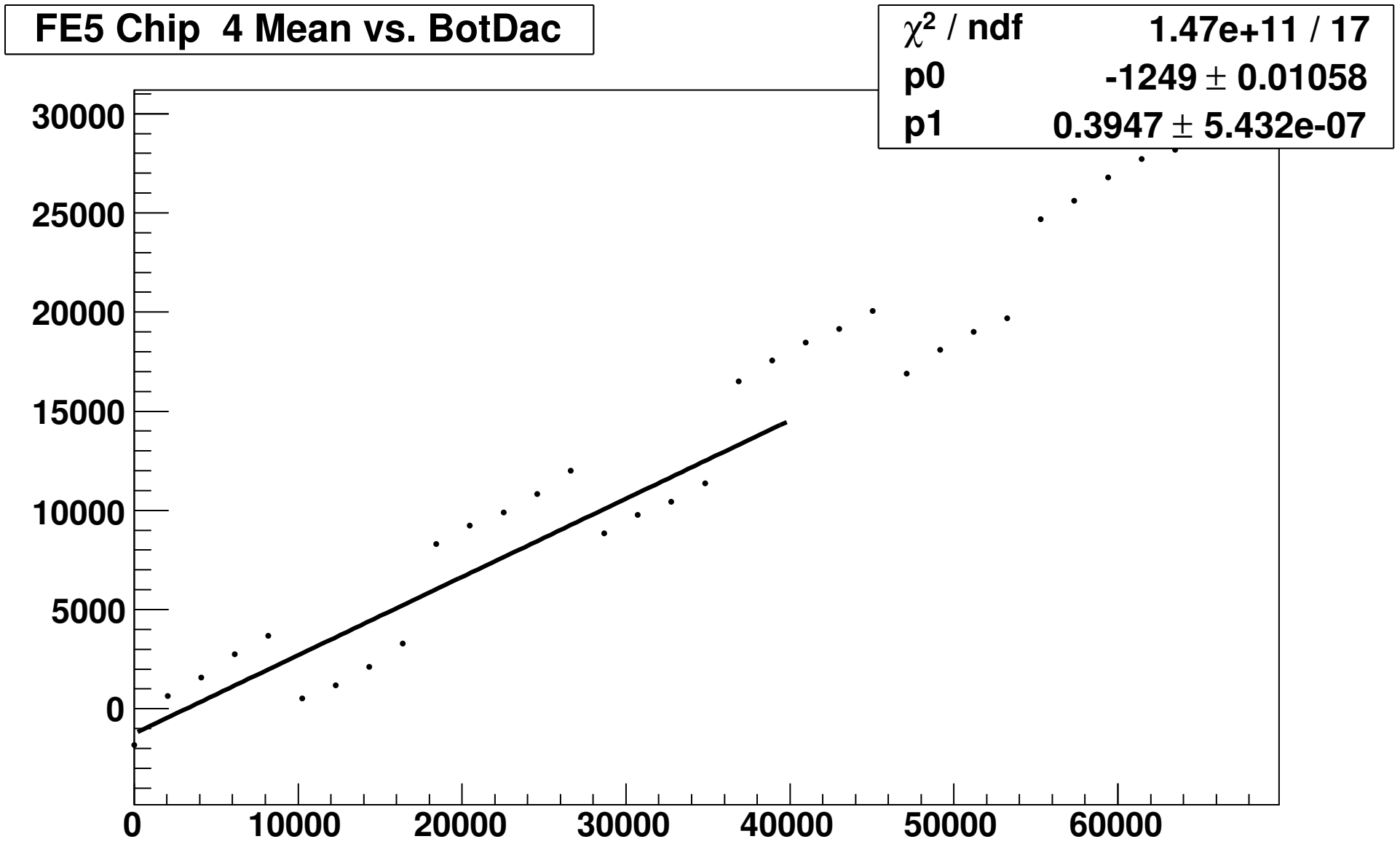

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 15.69 / 17
p0 1.559 ± 0.002692
p1 1.027e-14 ± 2.856e-06
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

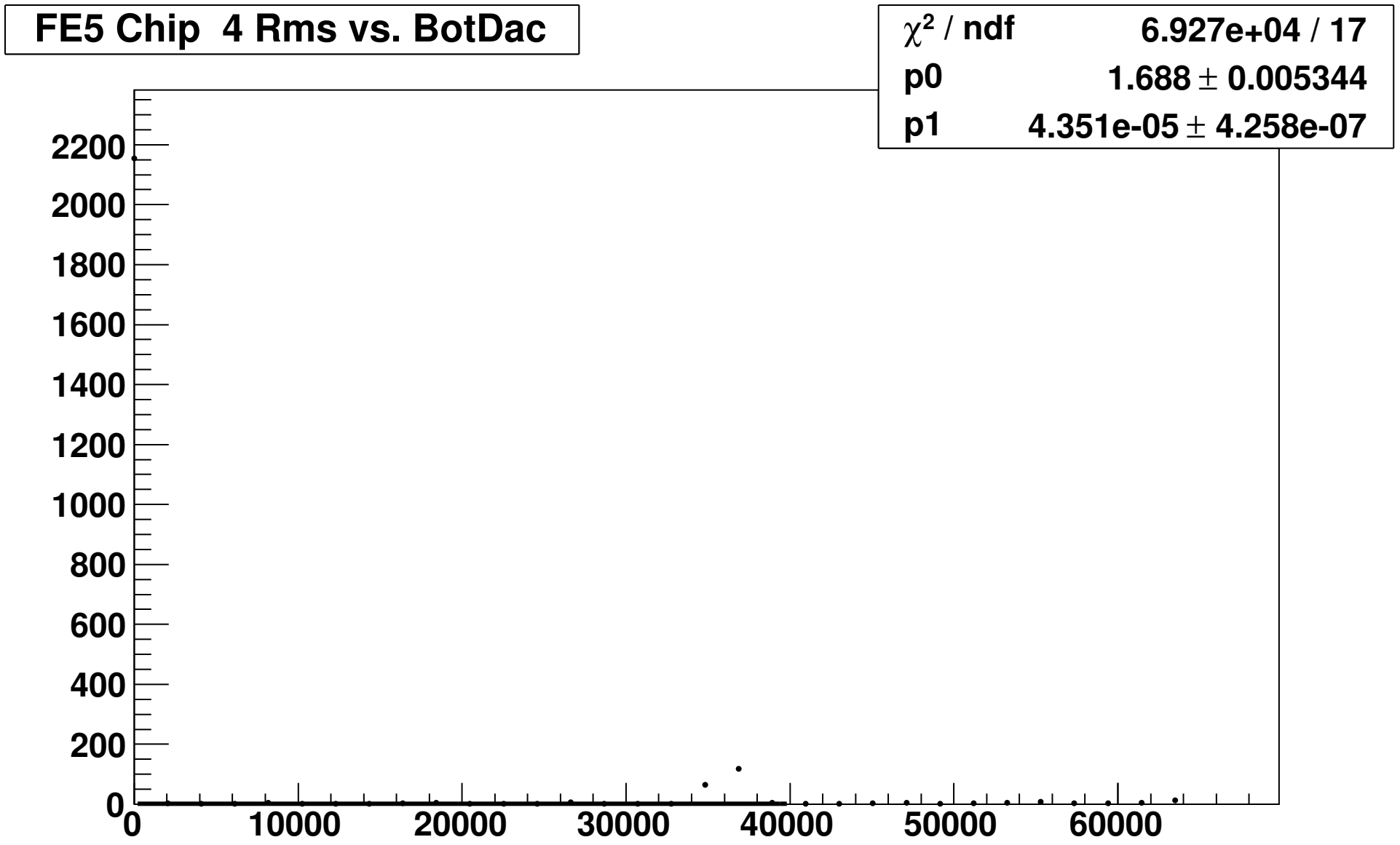

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.58e+11 / 17
p0 -1597 ± 0.01042
p1 0.4396 ± 5.2e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

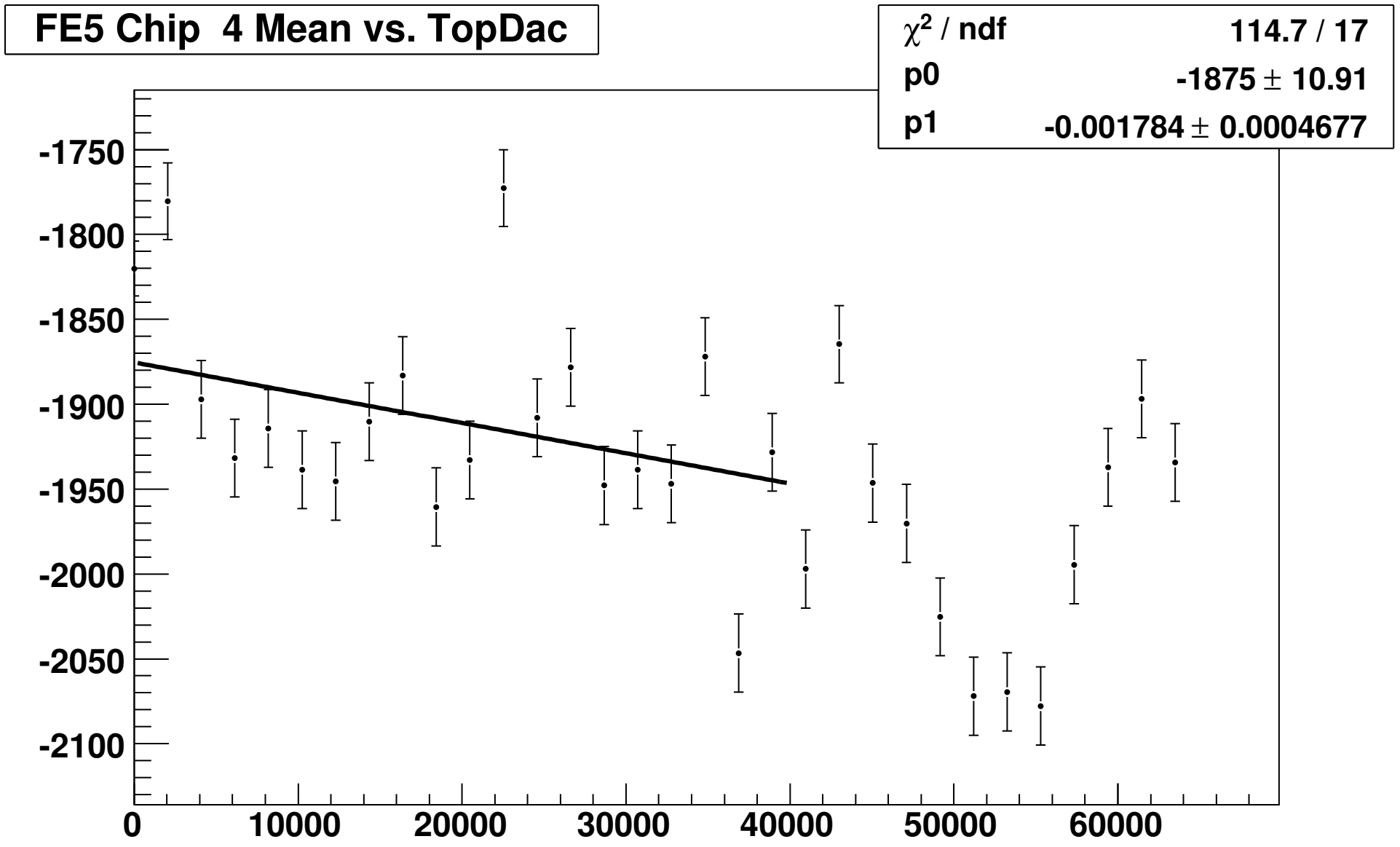

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 6.295e+04 / 17
p0 1.547 ± 0.005607
p1 5.737e-05 ± 3.206e-07
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000

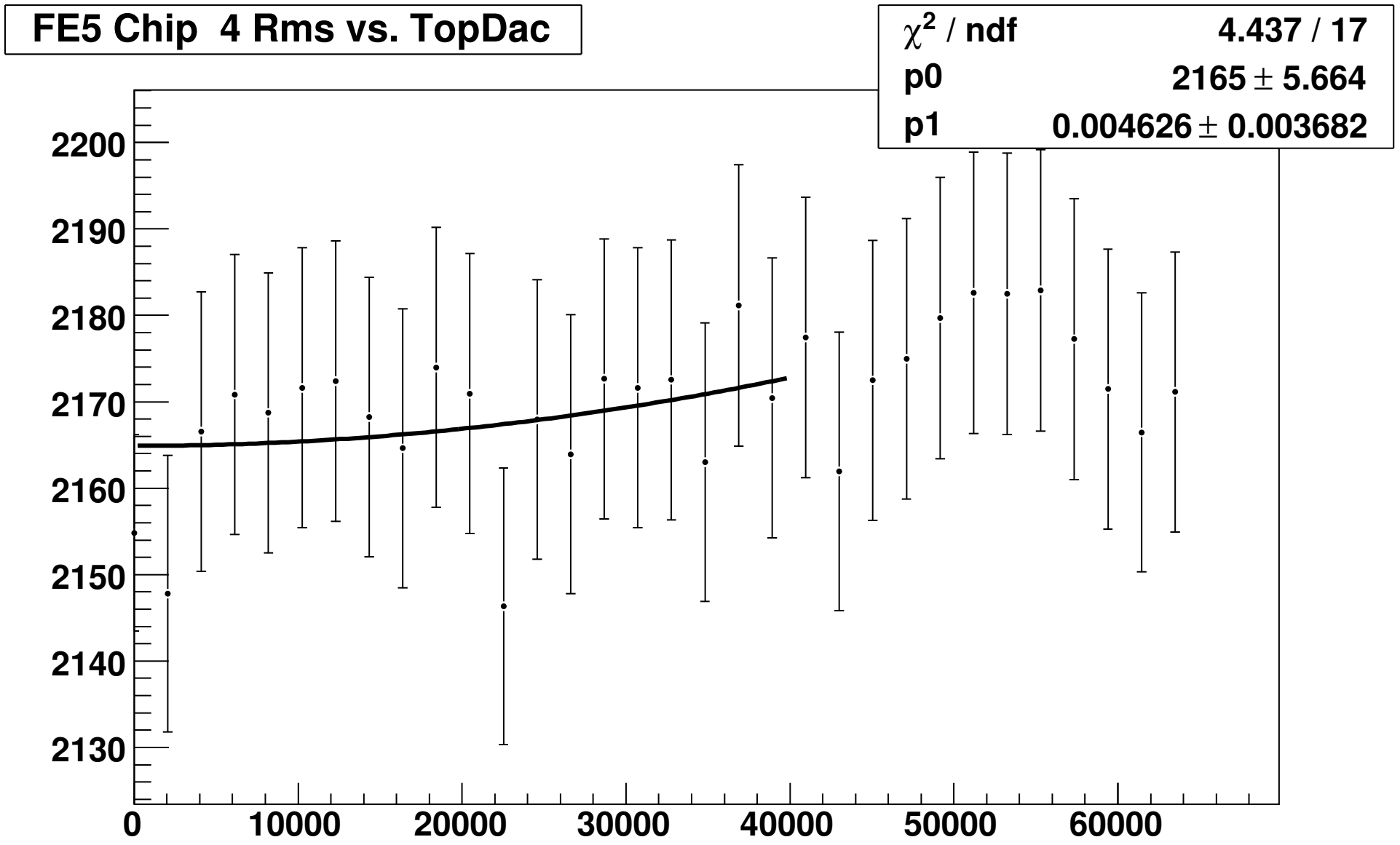

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 35.28 / 17
p0 -11.31± 1.281
p1 -6.792e-05 ± 5.576e-05
-5
-10
-15
-20
-25
-30
-35
0
10000
20000
30000
40000
50000
60000

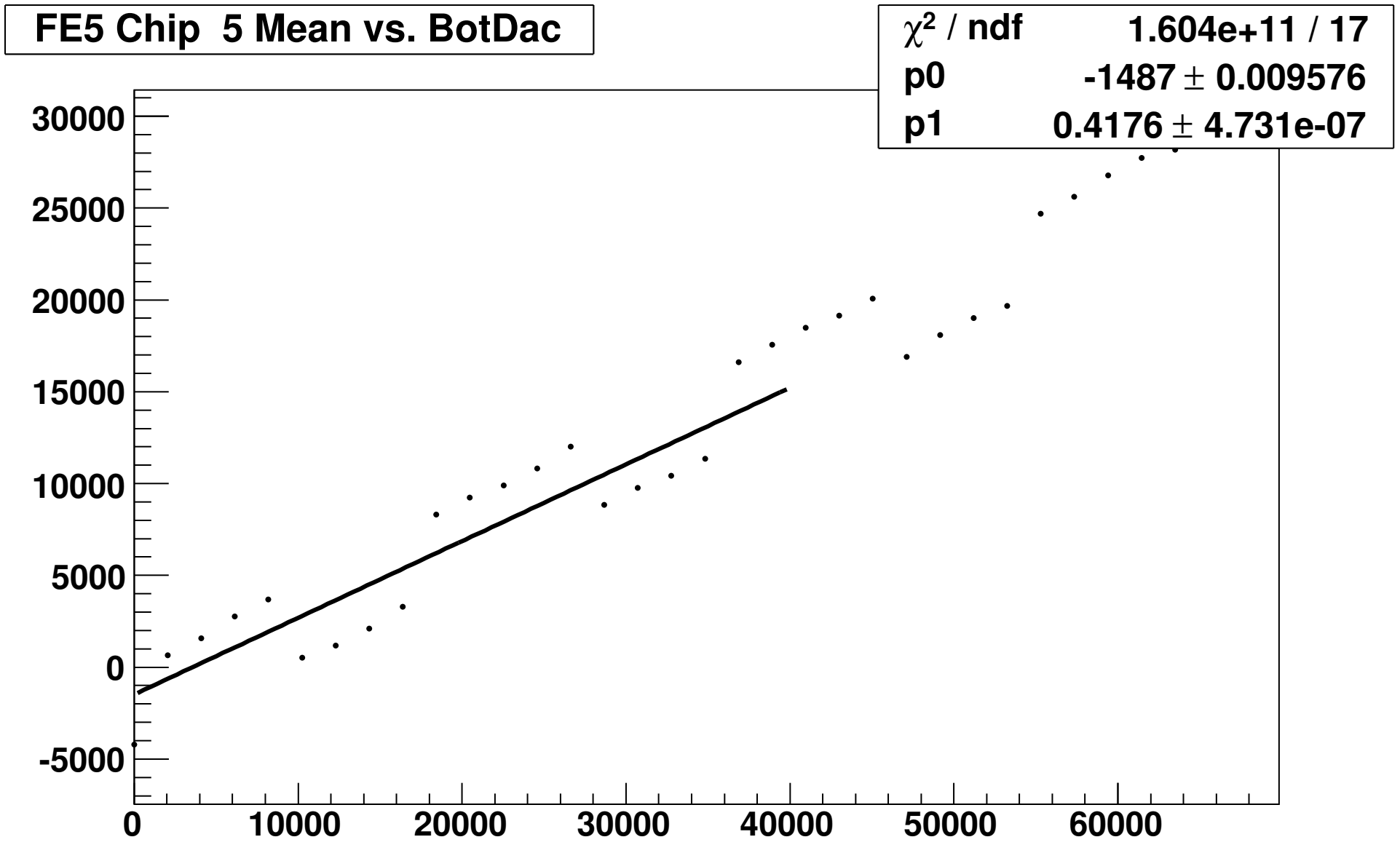

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 4737 / 17
p0 254.2 ± 0.6838
p1 -0.002459 ± 0.000103
380
360
340
320
300
280
260
240
220
200
0
10000
20000
30000
40000
50000
60000

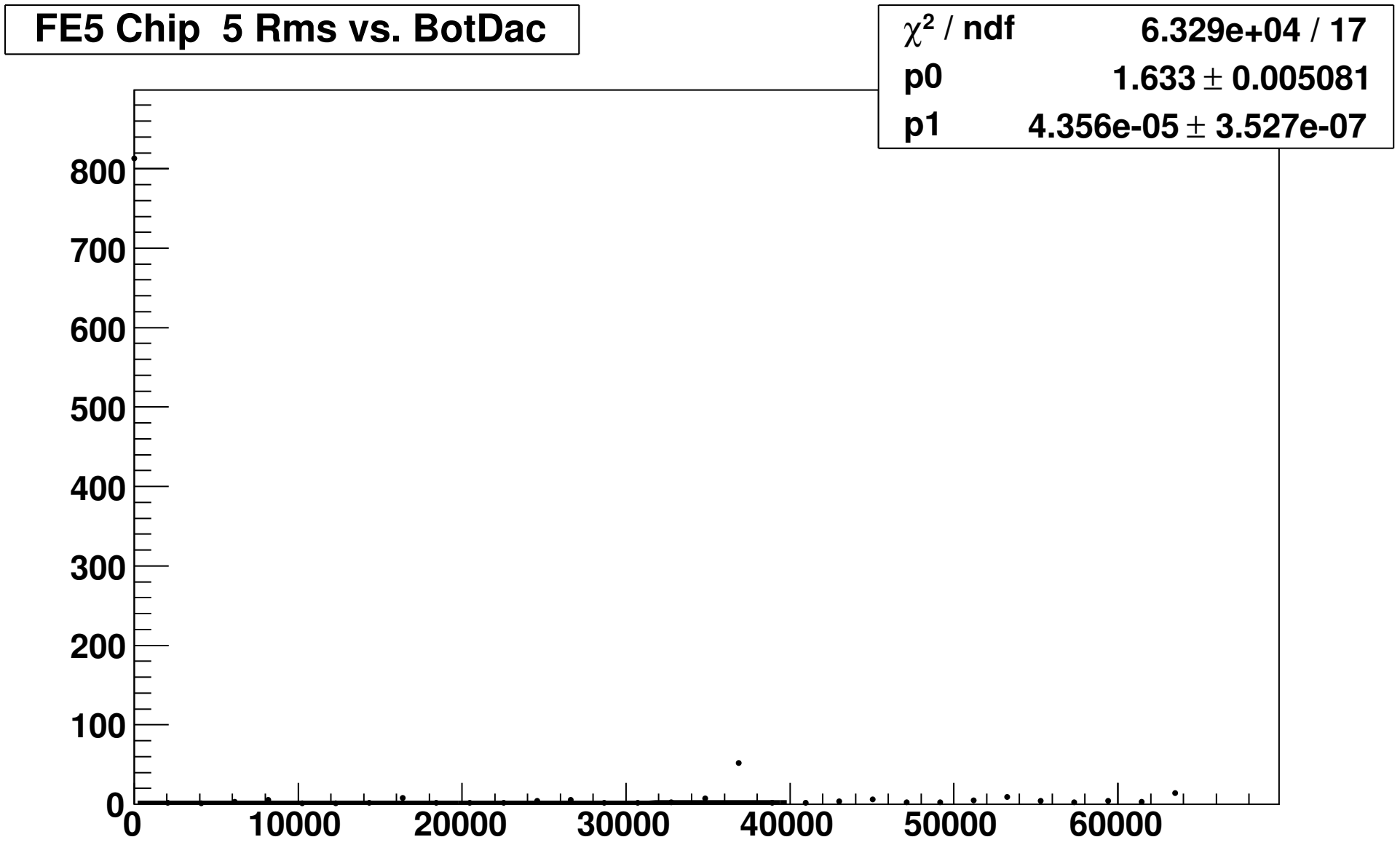

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.47e+11 / 17
p0 -1249 ± 0.01058
p1 0.3947 ± 5.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

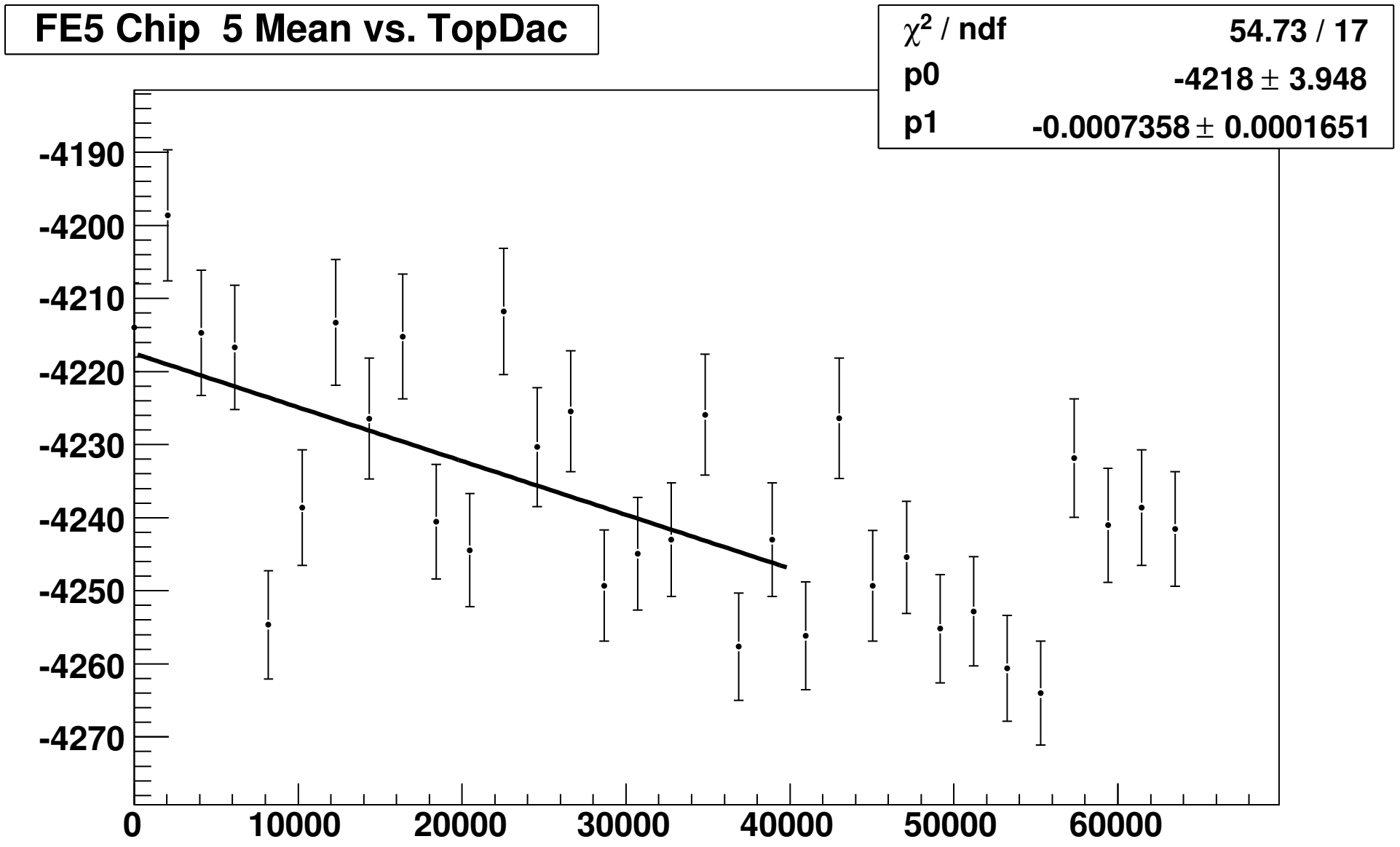

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 6.927e+04 / 17
p0 1.688 ± 0.005344
p1 4.351e-05 ± 4.258e-07
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

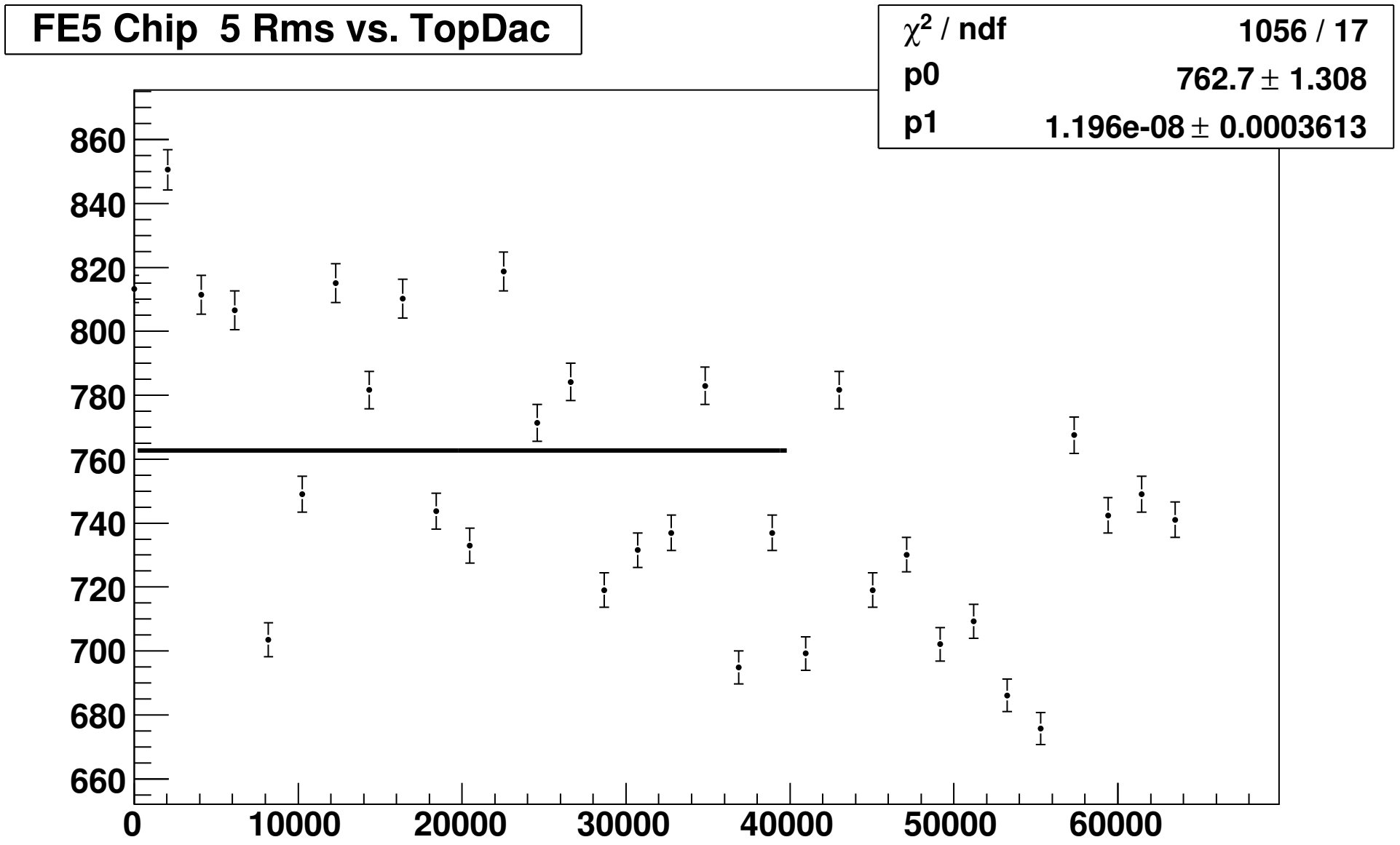

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 114.7 / 17
p0 -1875 ± 10.91
p1 -0.001784 ± 0.0004677
-1750
-1800
-1850
-1900
-1950
-2000
-2050
-2100
0
10000
20000
30000
40000
50000
60000

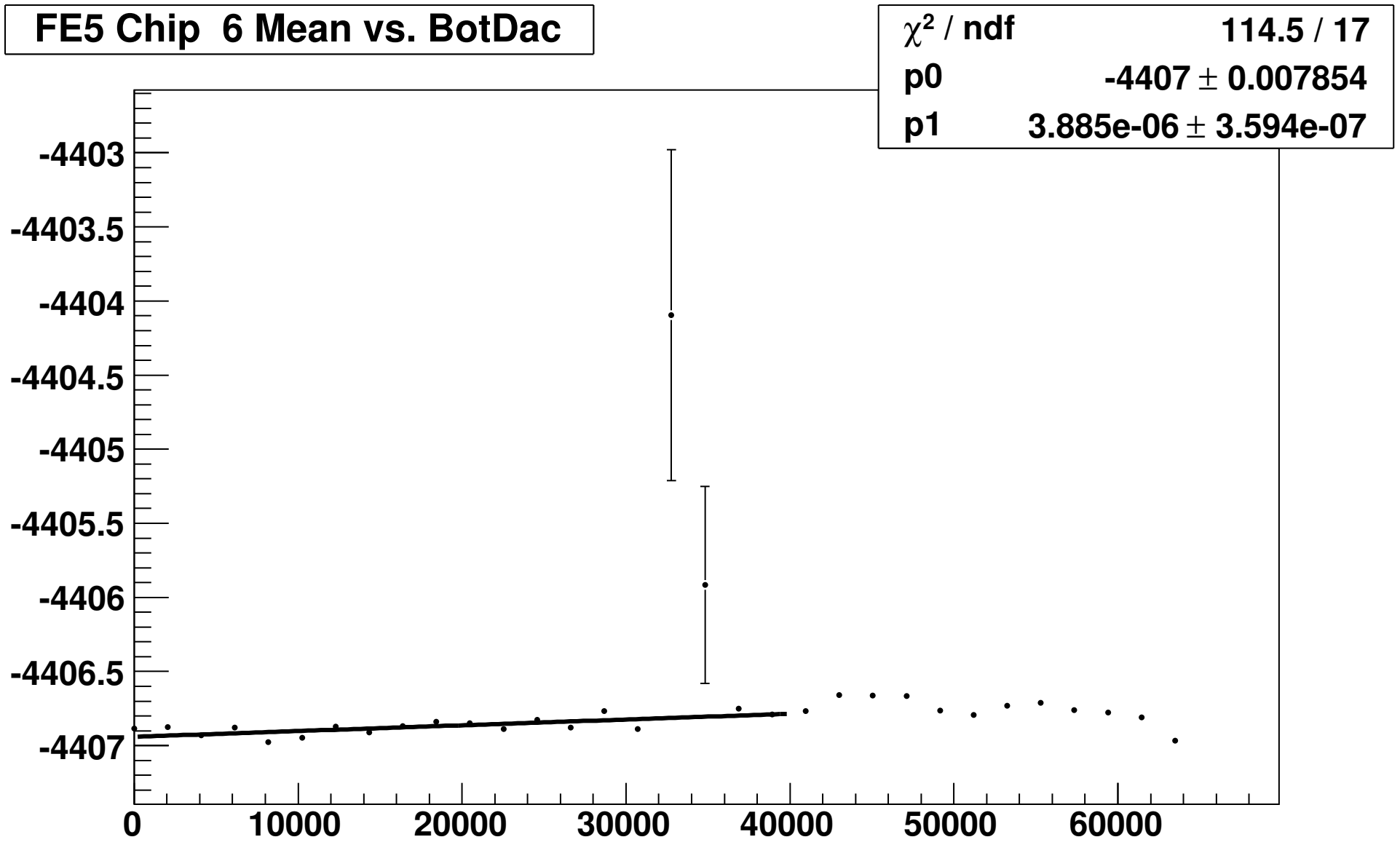

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 4.437 / 17
p0 2165 ± 5.664
p1 0.004626 ± 0.003682
2200
2190
2180
2170
2160
2150
2140
2130
0
10000
20000
30000
40000
50000
60000

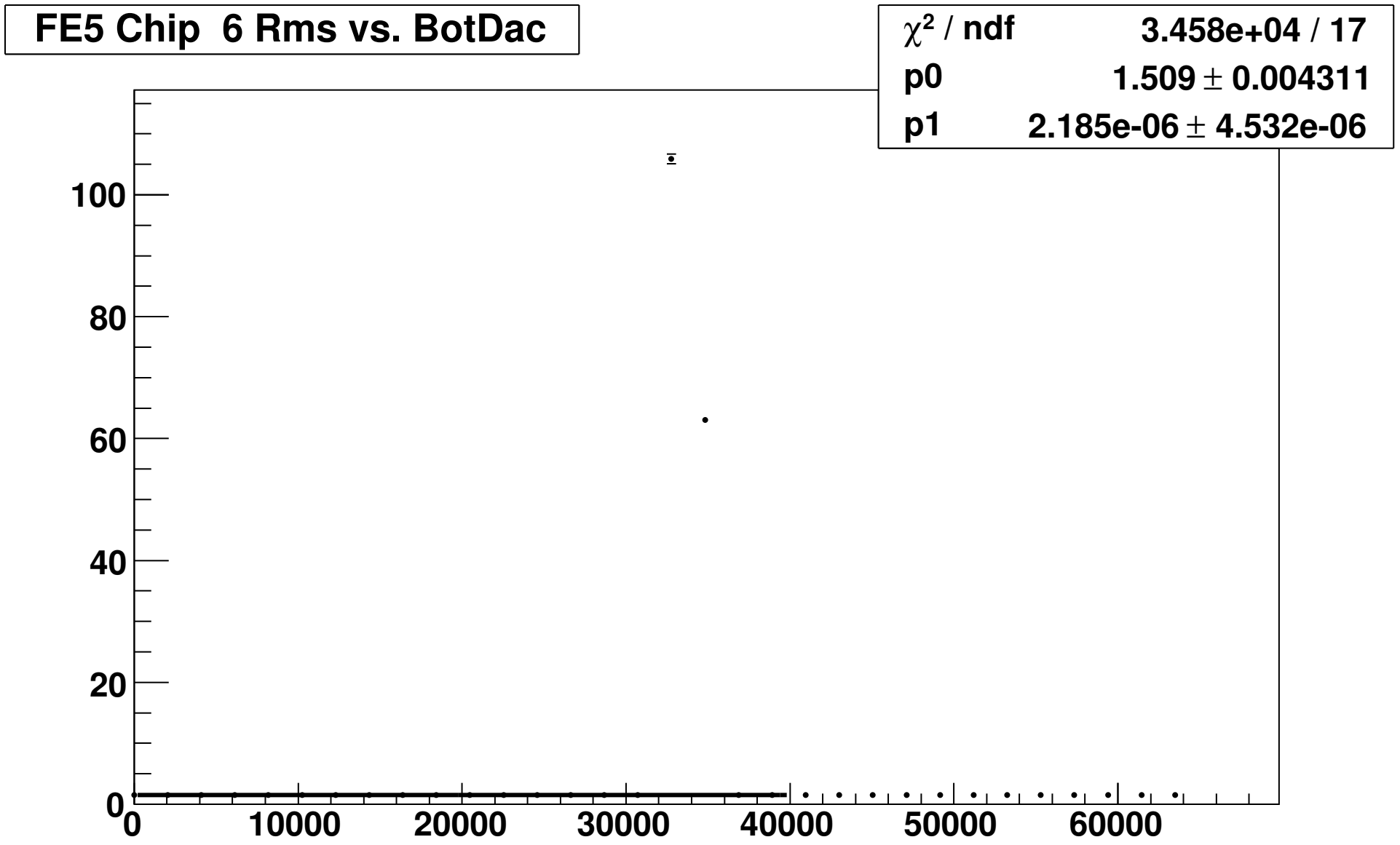

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.604e+11 / 17
p0 -1487 ± 0.009576
p1 0.4176 ± 4.731e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

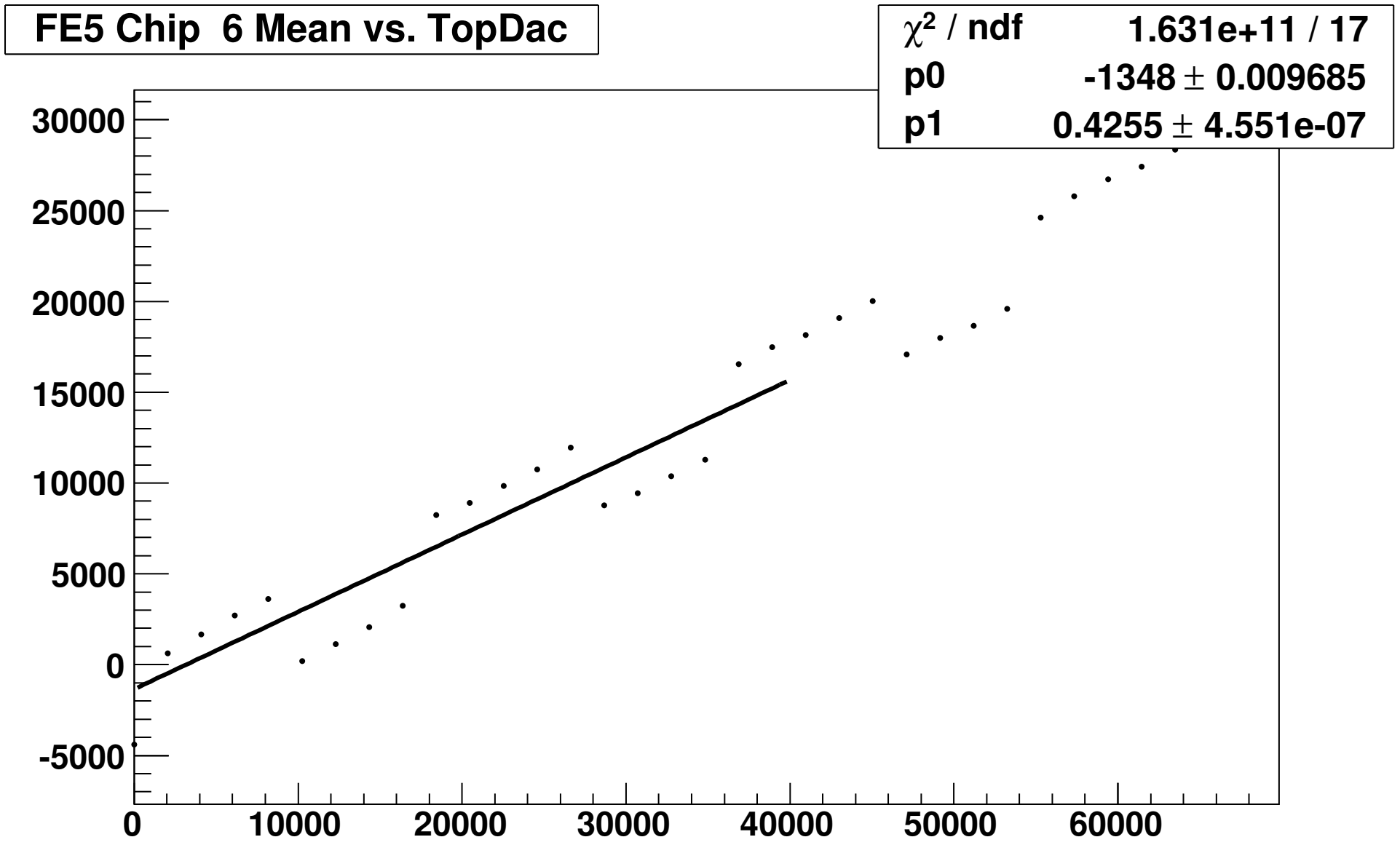

FE5 Chip 5 Rms vs. BotDac
χ² / ndf 6.329e+04 / 17
p0 1.633 ± 0.005081
p1 4.356e-05 ± 3.527e-07
800
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000

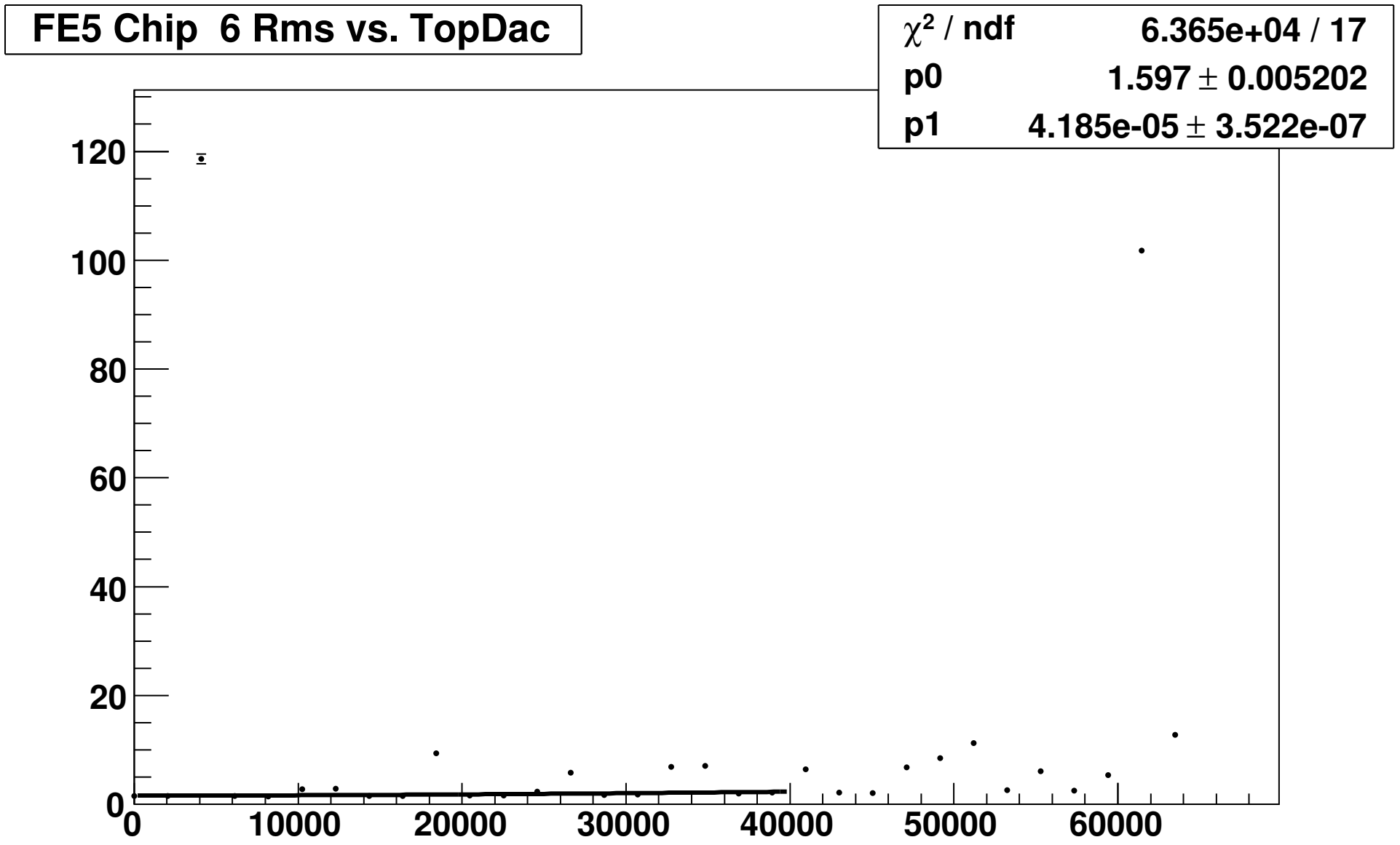

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 54.73 / 17
p0 -4218 ± 3.948
p1 -0.0007358 ± 0.0001651
-4190
-4200
-4210
-4220
-4230
-4240
-4250
-4260
-4270
0
10000
20000
30000
40000
50000
60000

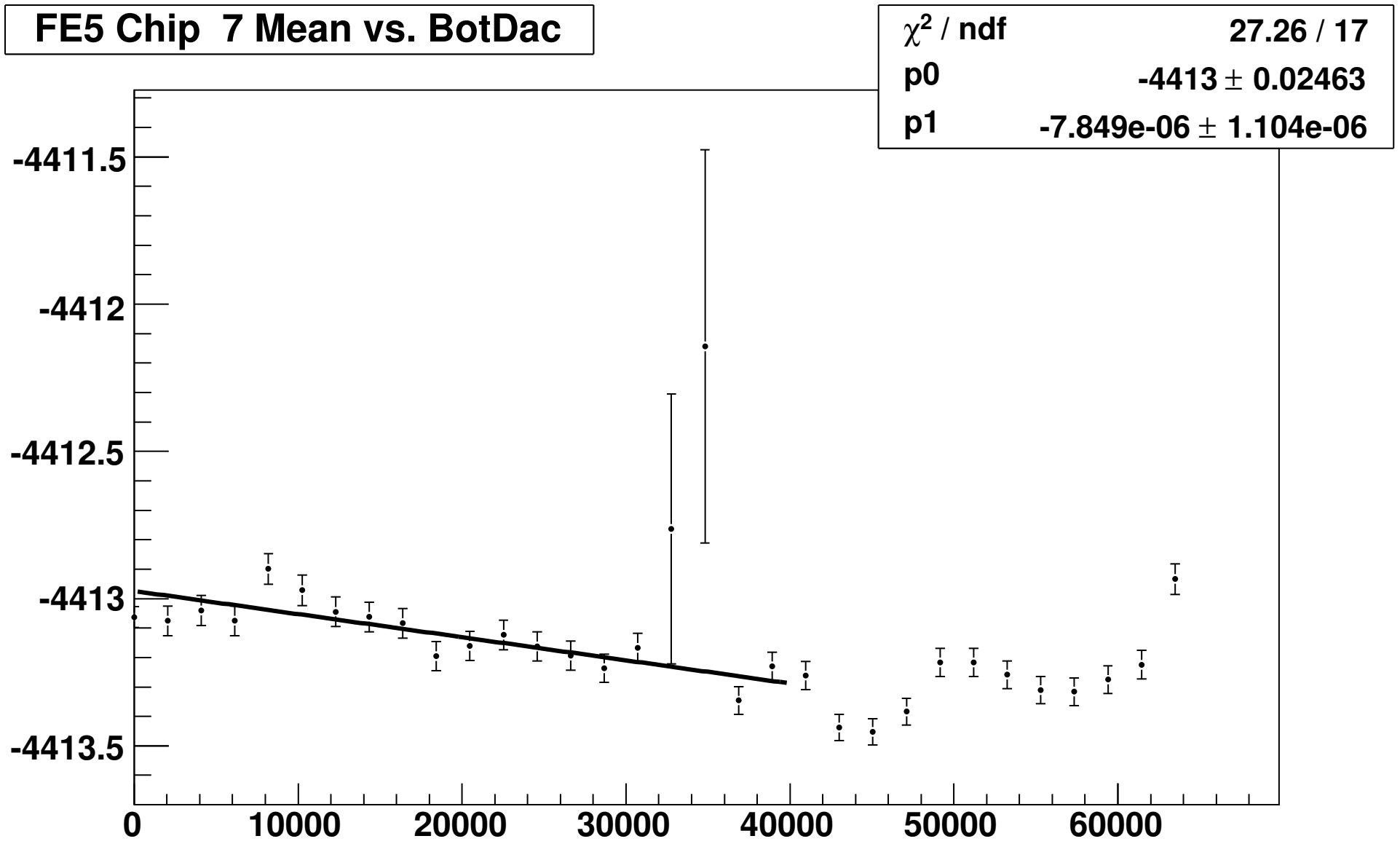

FE5 Chip 5 Rms vs. TopDac
χ² / ndf 1056 / 17
p0 762.7 ± 1.308
p1 1.196e-08 ± 0.0003613
860
840
820
800
780
760
740
720
700
680
660
0
10000
20000
30000
40000
50000
60000

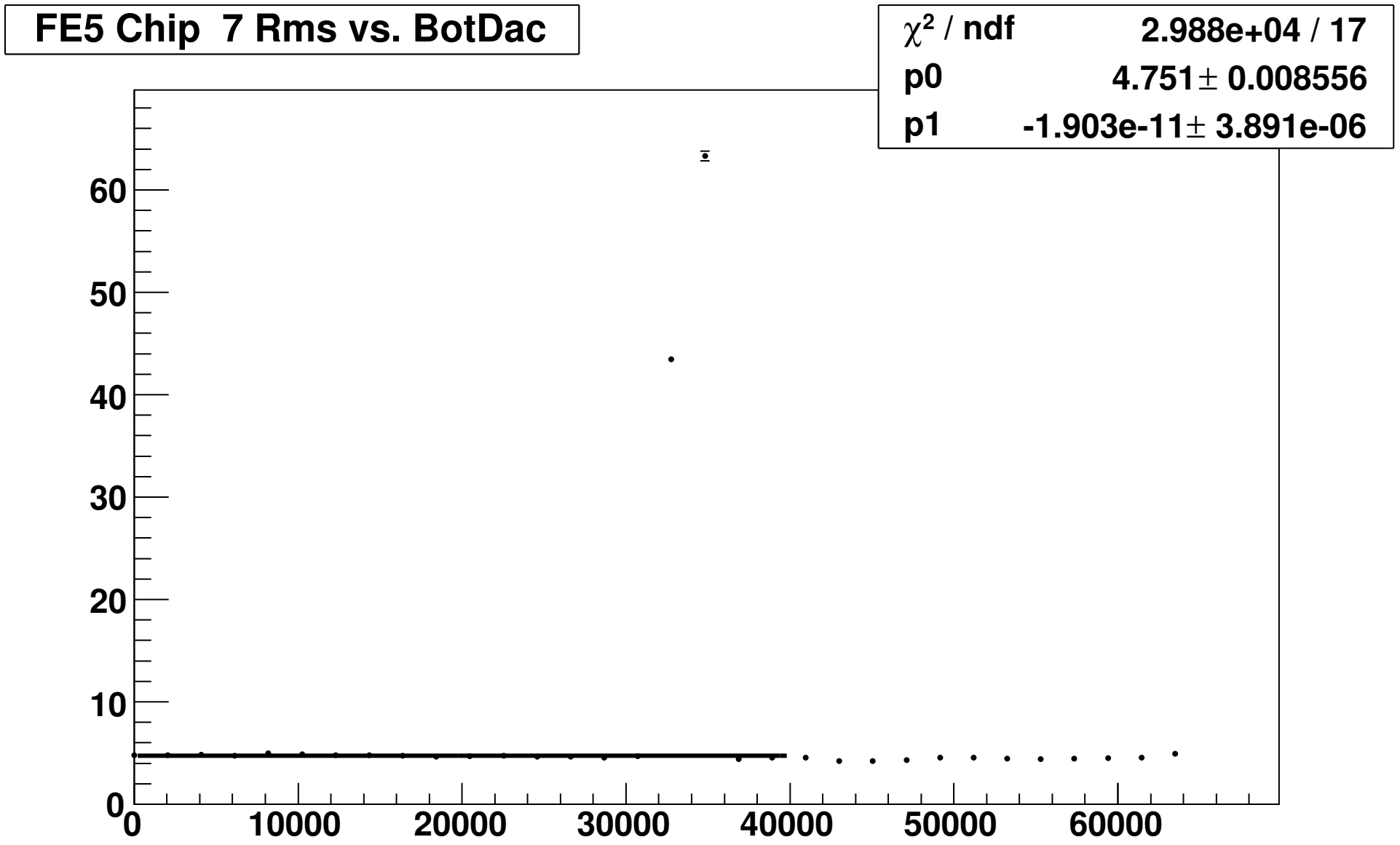

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 114.5 / 17
p0 -4407 ± 0.007854
p1 3.885e-06 ± 3.594e-07
-4403
-4403.5
-4404
-4404.5
-4405
-4405.5
-4406
-4406.5
-4407
0
10000
20000
30000
40000
50000
60000

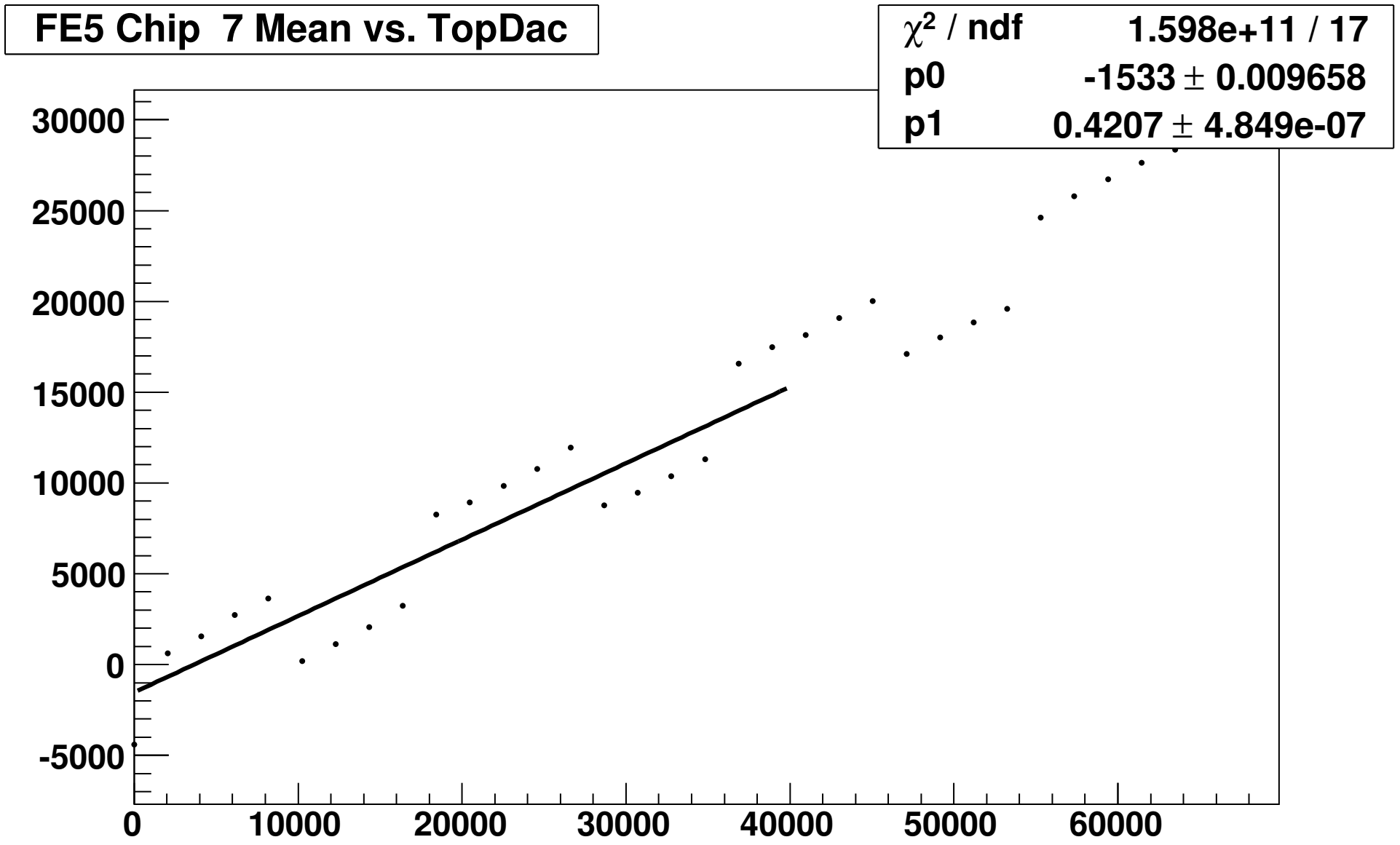

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 3.458e+04 / 17
p0 1.509 ± 0.004311
p1 2.185e-06 ± 4.532e-06
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

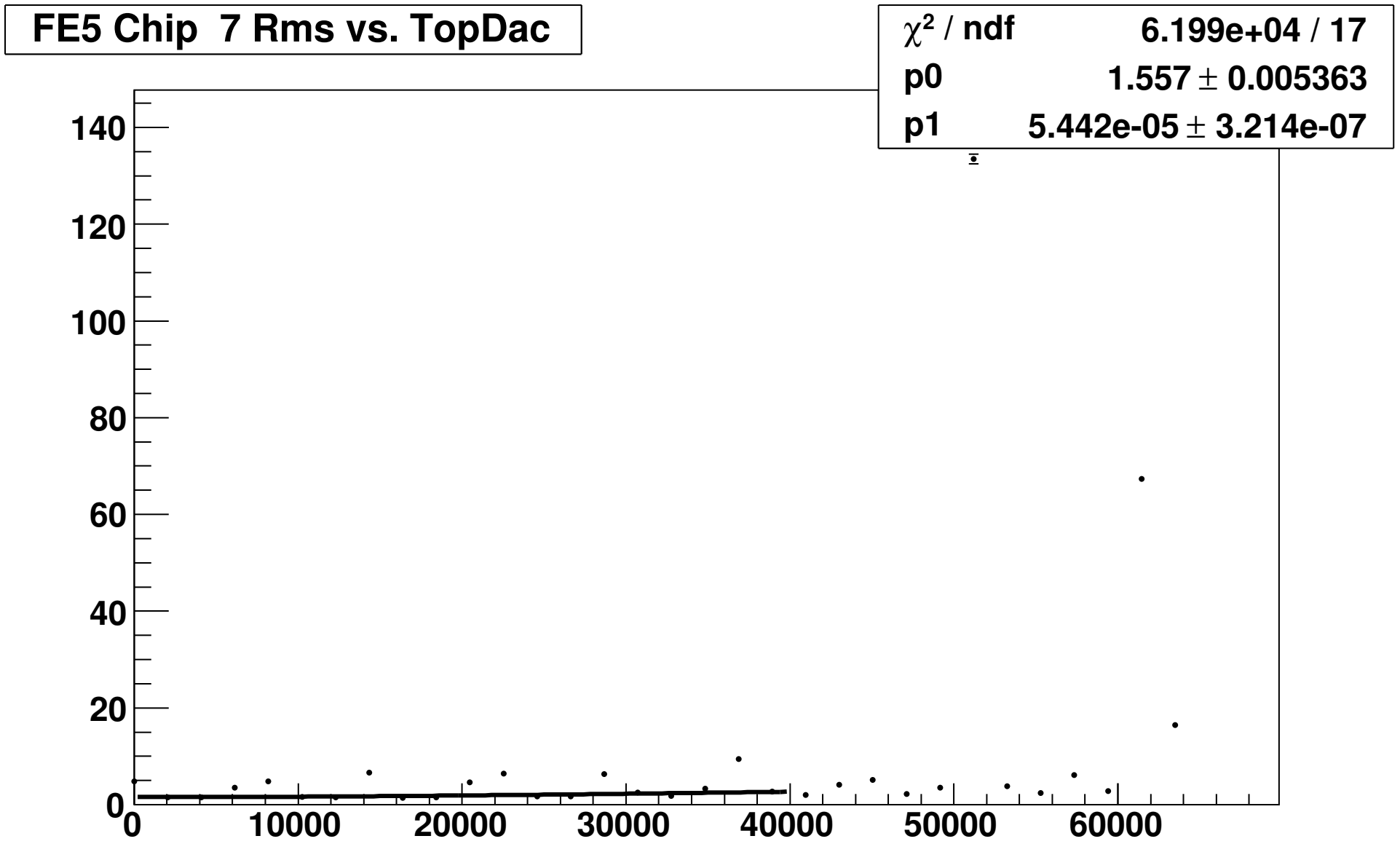

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.631e+11 / 17
p0 -1348 ± 0.009685
p1 0.4255 ± 4.551e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

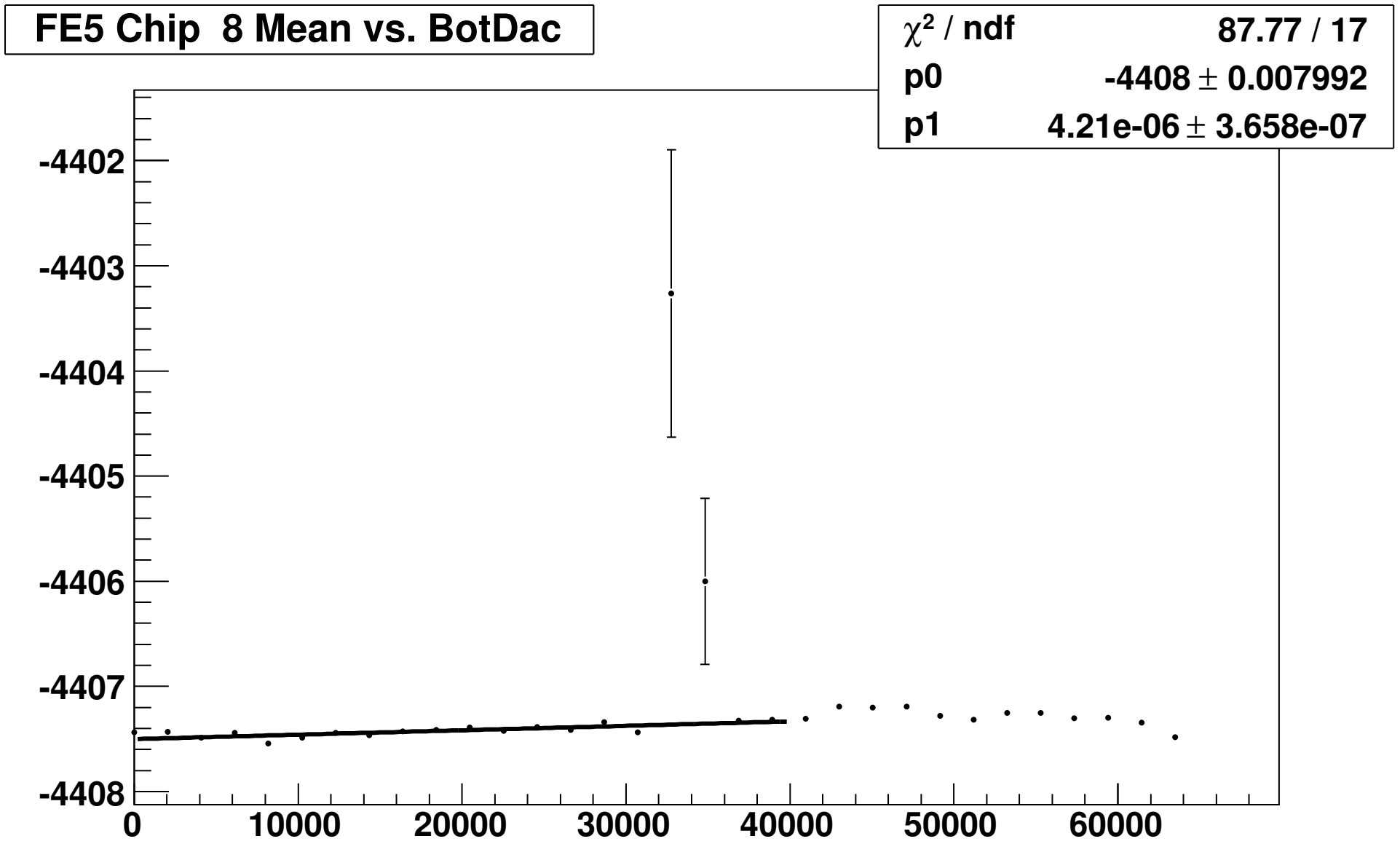

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 6.365e+04 / 17
p0 1.597 ± 0.005202
p1 4.185e-05 ± 3.522e-07
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

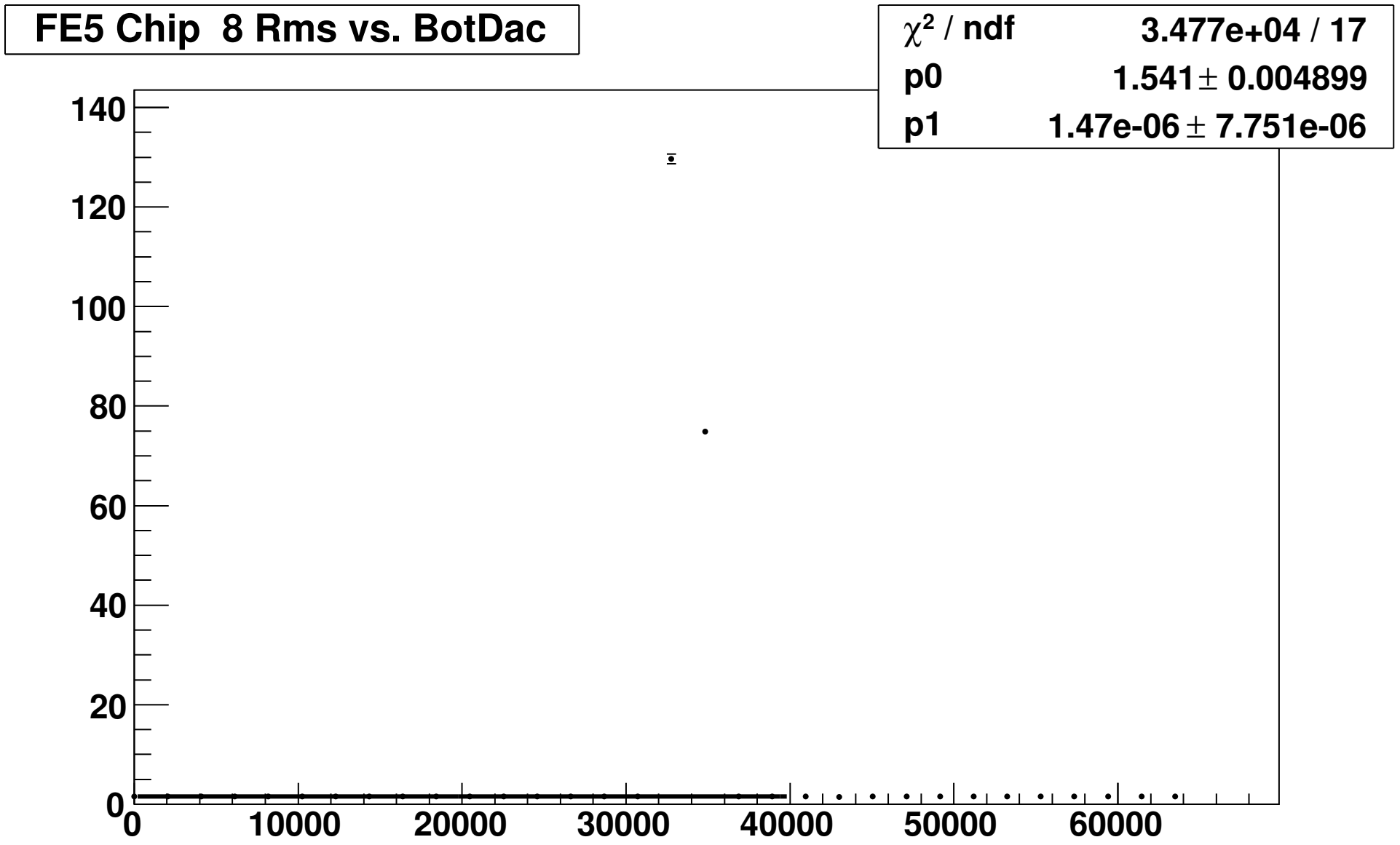

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 27.26 / 17
p0 -4413 ± 0.02463
p1 -7.849e-06 ± 1.104e-06
-4411.5
-4412
-4412.5
-4413
-4413.5
0
10000
20000
30000
40000
50000
60000

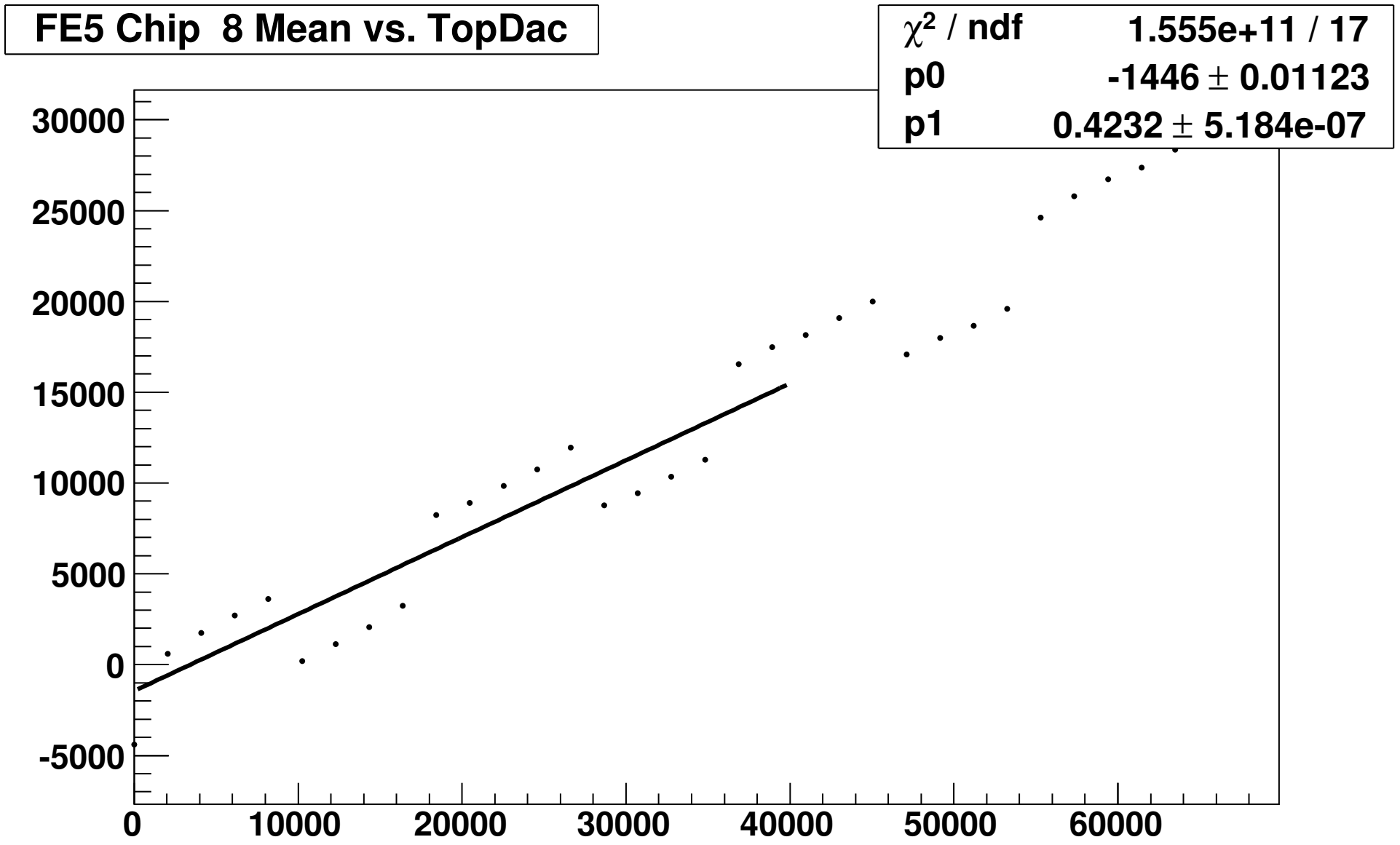

FE5 Chip 7 Rms vs. BotDac
χ² / ndf 2.988e+04 / 17
p0 4.751 ± 0.008556
p1 -1.903e-11 ± 3.891e-06
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

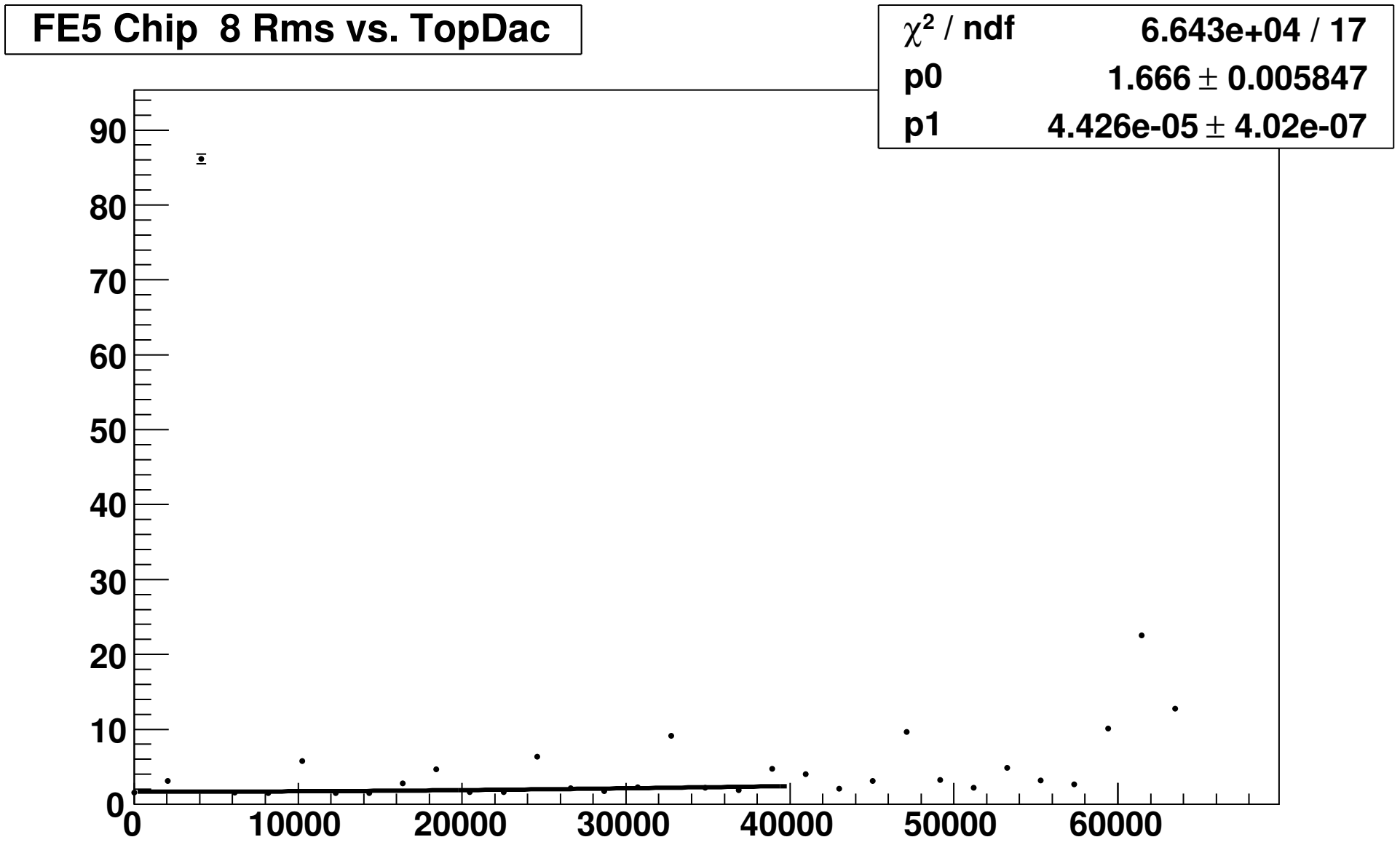

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.598e+11 / 17
p0 -1533 ± 0.009658
p1 0.4207 ± 4.849e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

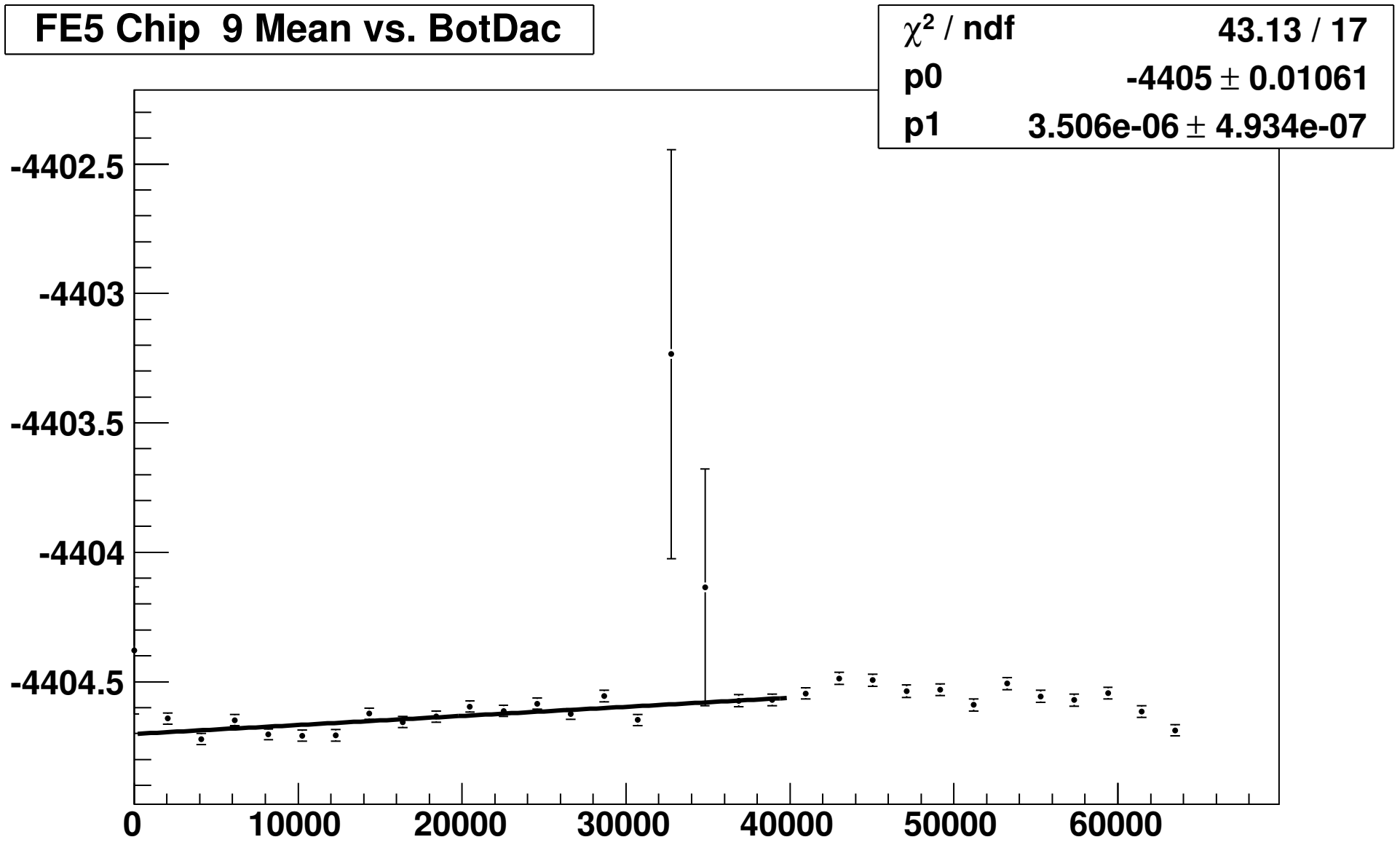

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 6.199e+04 / 17
p0 1.557 ± 0.005363
p1 5.442e-05 ± 3.214e-07
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

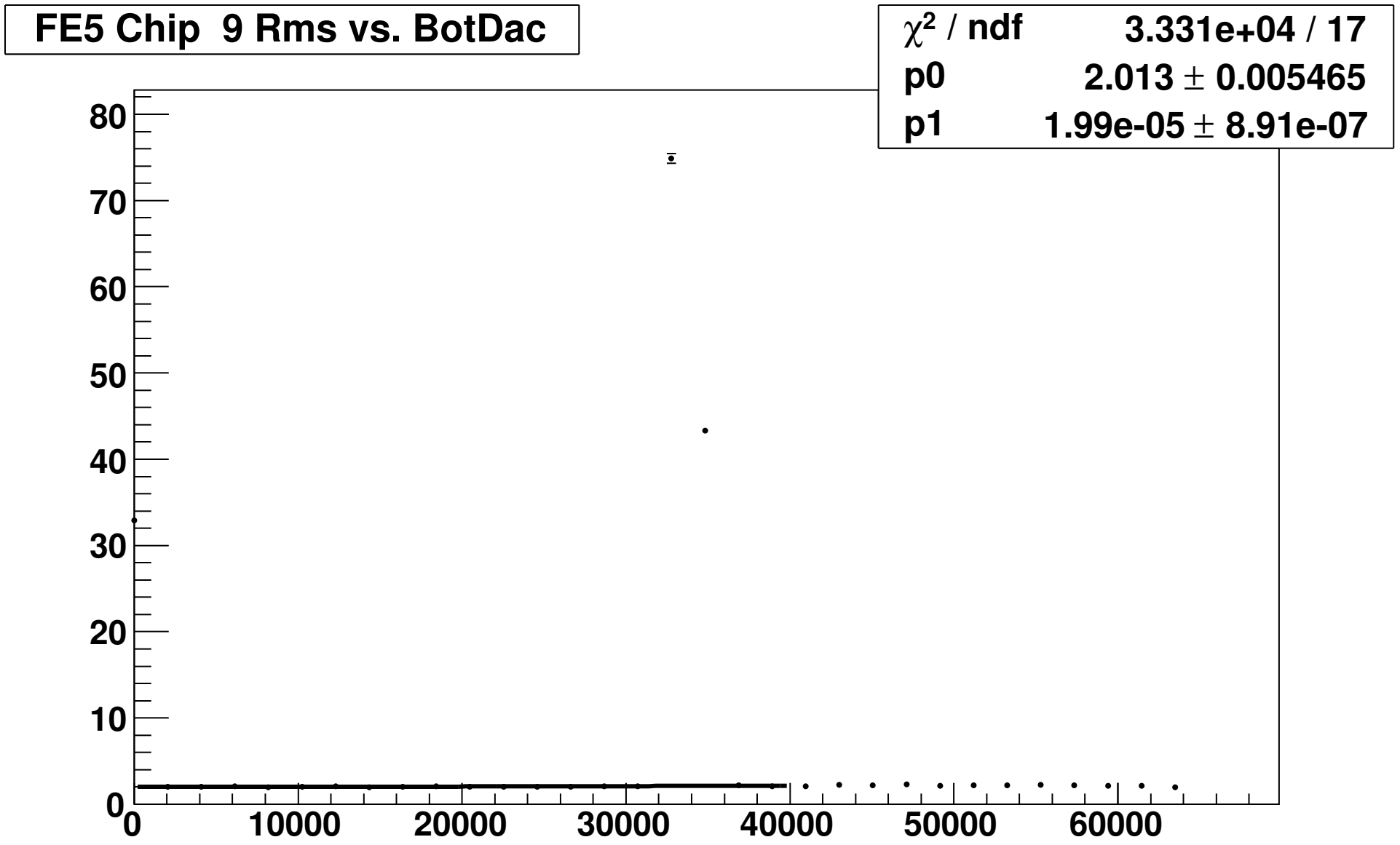

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 87.77 / 17
p0 -4408 ± 0.007992
p1 4.21e-06 ± 3.658e-07
-4402
-4403
-4404
-4405
-4406
-4407
-4408
0
10000
20000
30000
40000
50000
60000

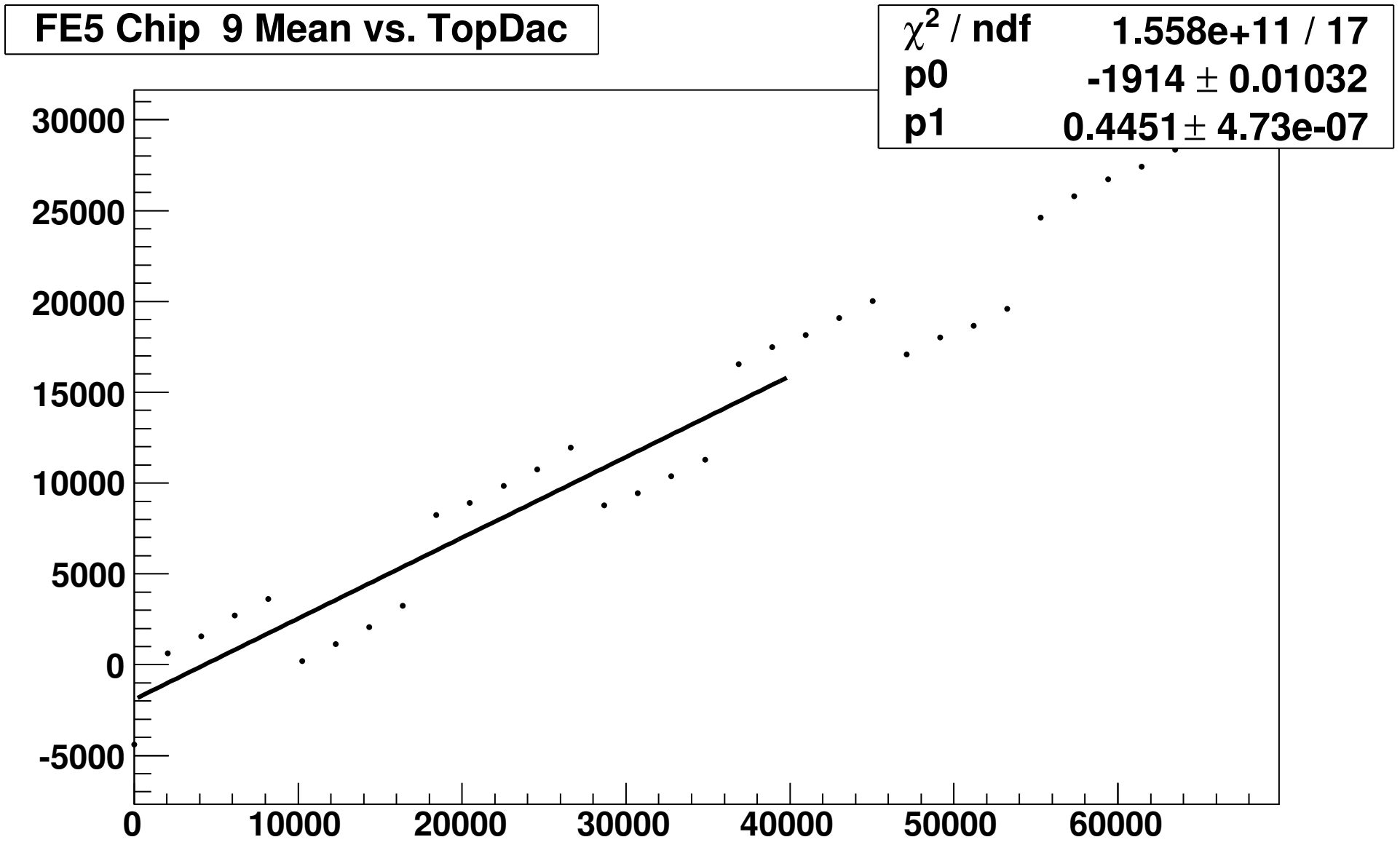

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 3.477e+04 / 17
p0 1.541 ± 0.004899
p1 1.47e-06 ± 7.751e-06
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

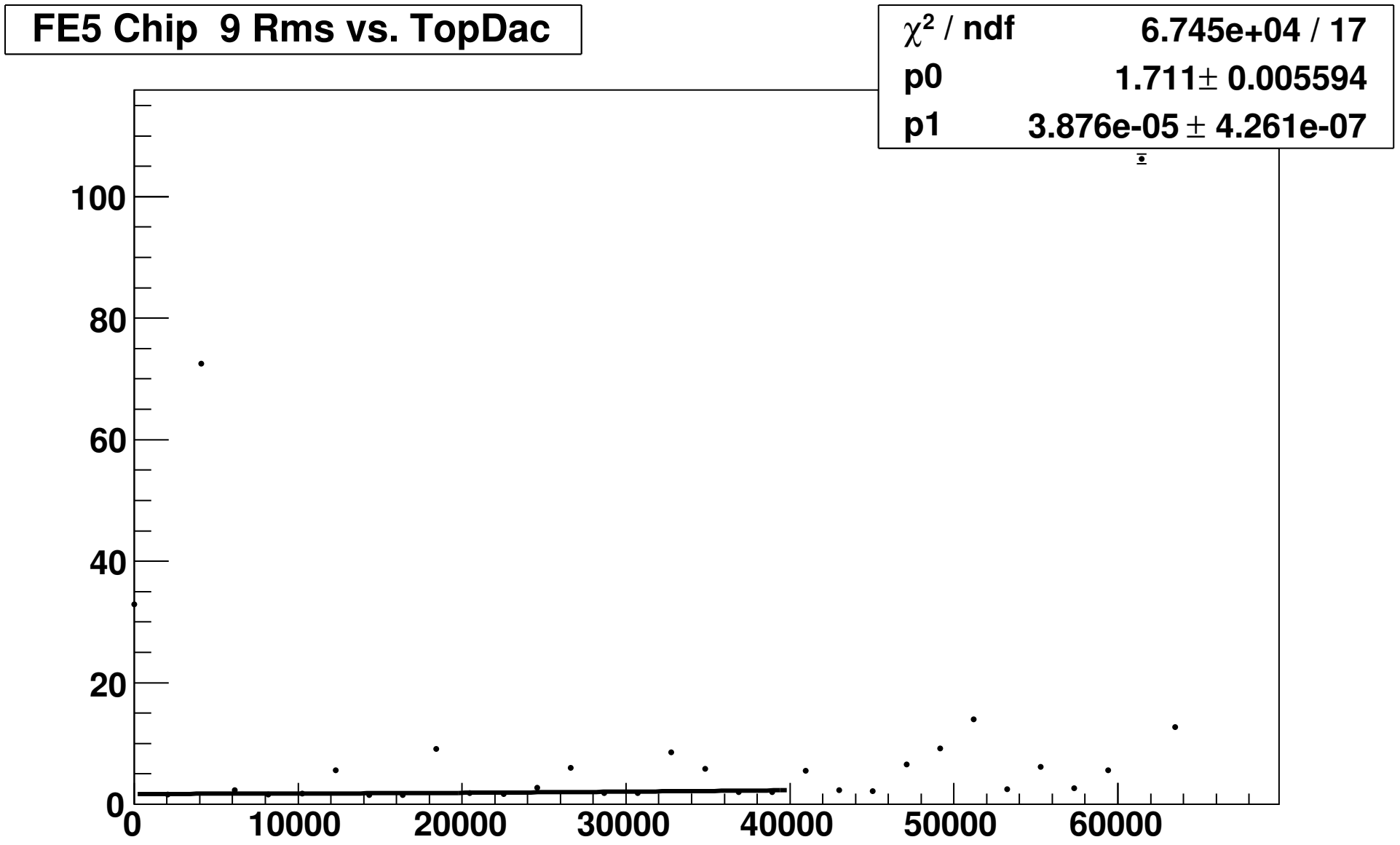

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.555e+11 / 17
p0 -1446 ± 0.01123
p1 0.4232 ± 5.184e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

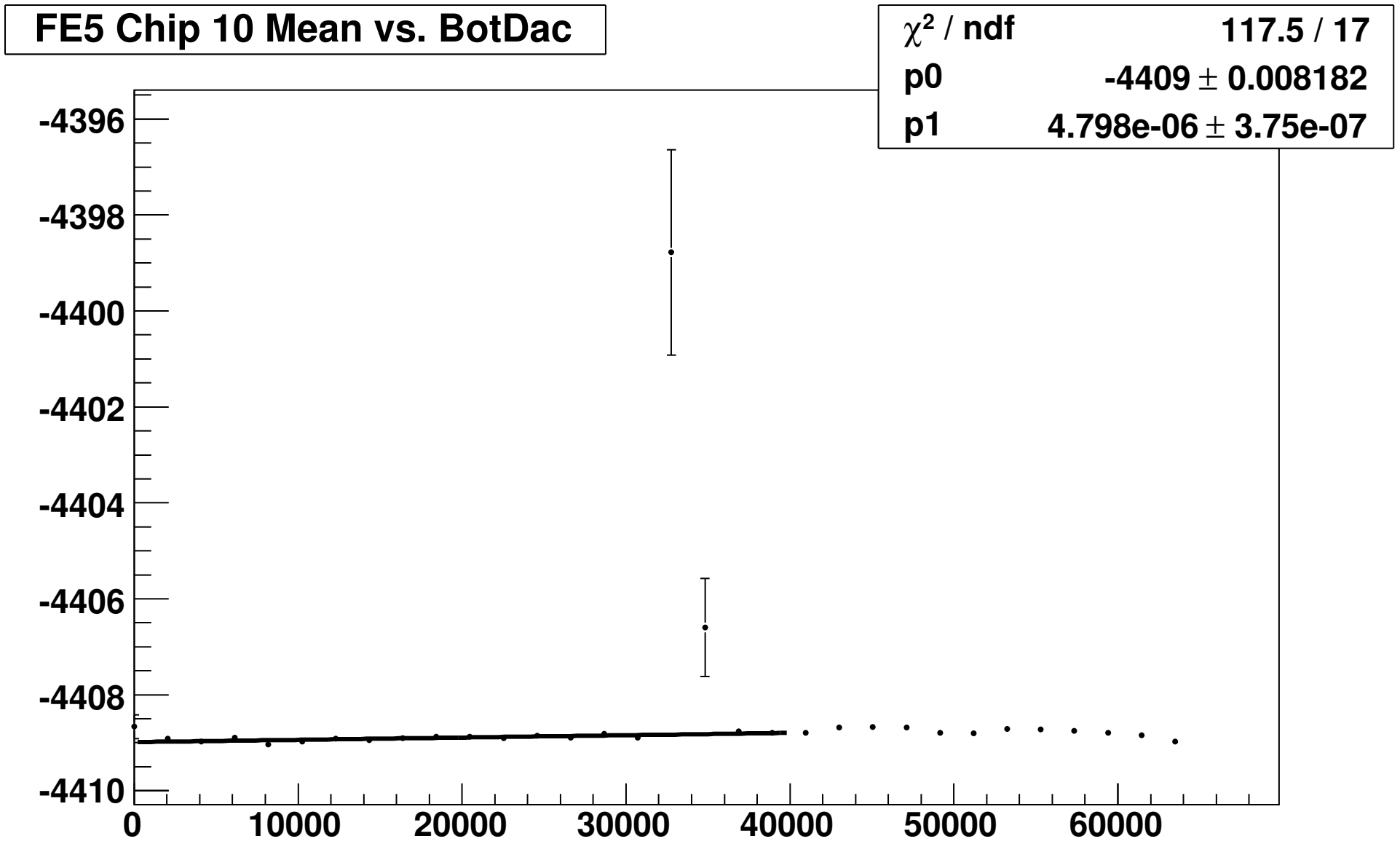

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 6.643e+04 / 17
p0 1.666 ± 0.005847
p1 4.426e-05 ± 4.02e-07
90
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

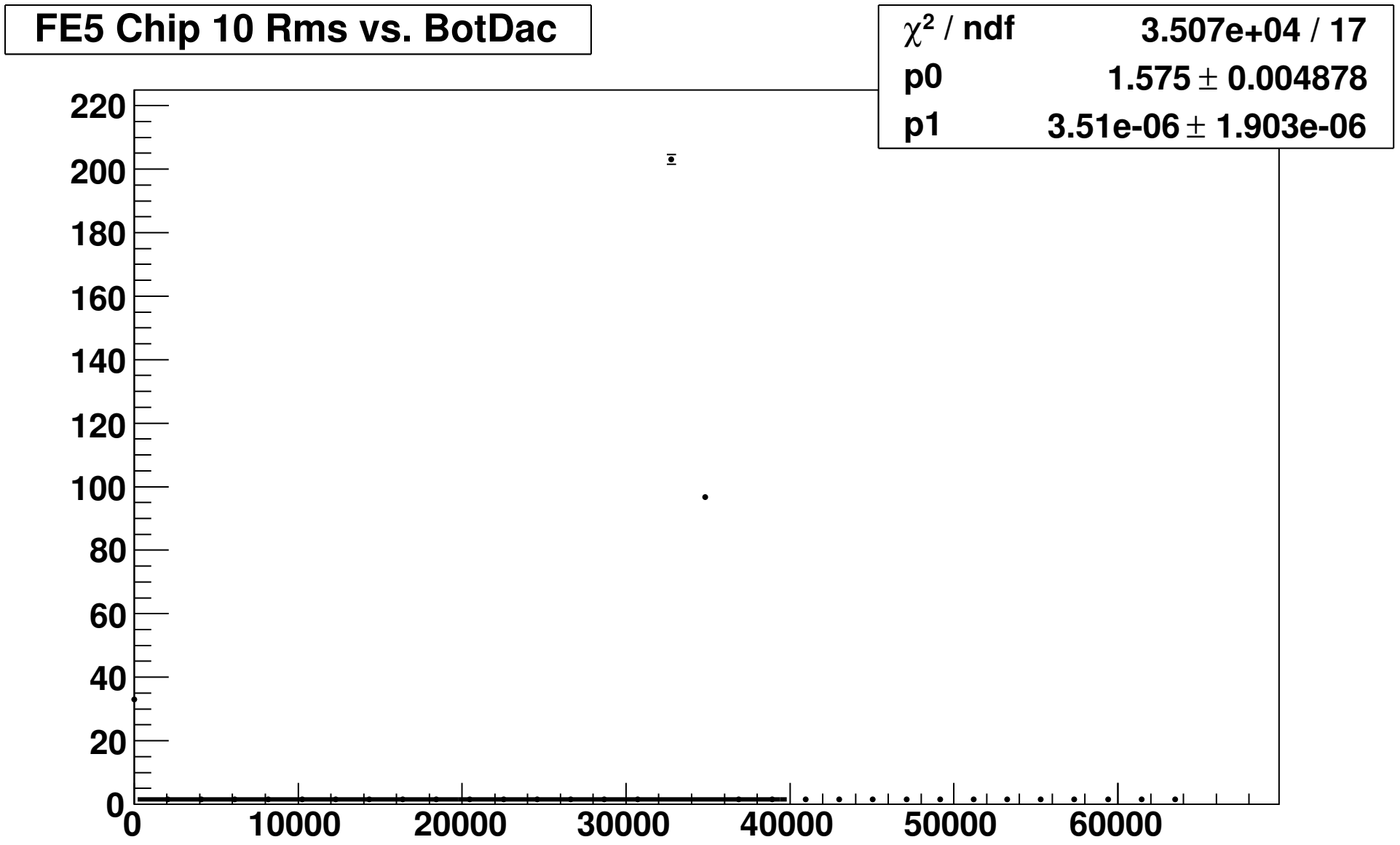

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 43.13 / 17
p0 -4405 ± 0.01061
p1 3.506e-06 ± 4.934e-07
-4402.5
-4403
-4403.5
-4404
-4404.5
0
10000
20000
30000
40000
50000
60000

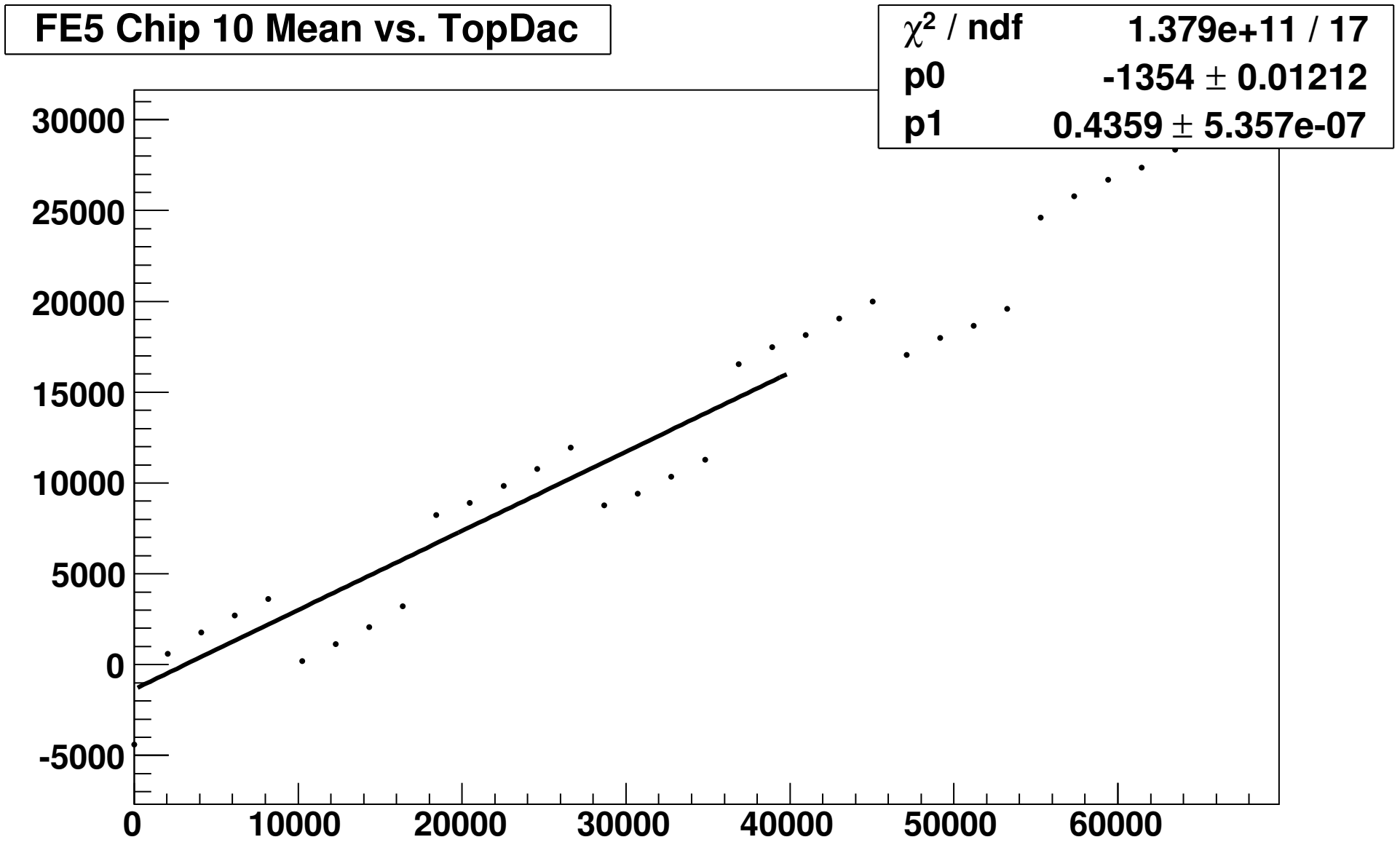

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 3.331e+04 / 17
p0 2.013 ± 0.005465
p1 1.99e-05 ± 8.91e-07
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

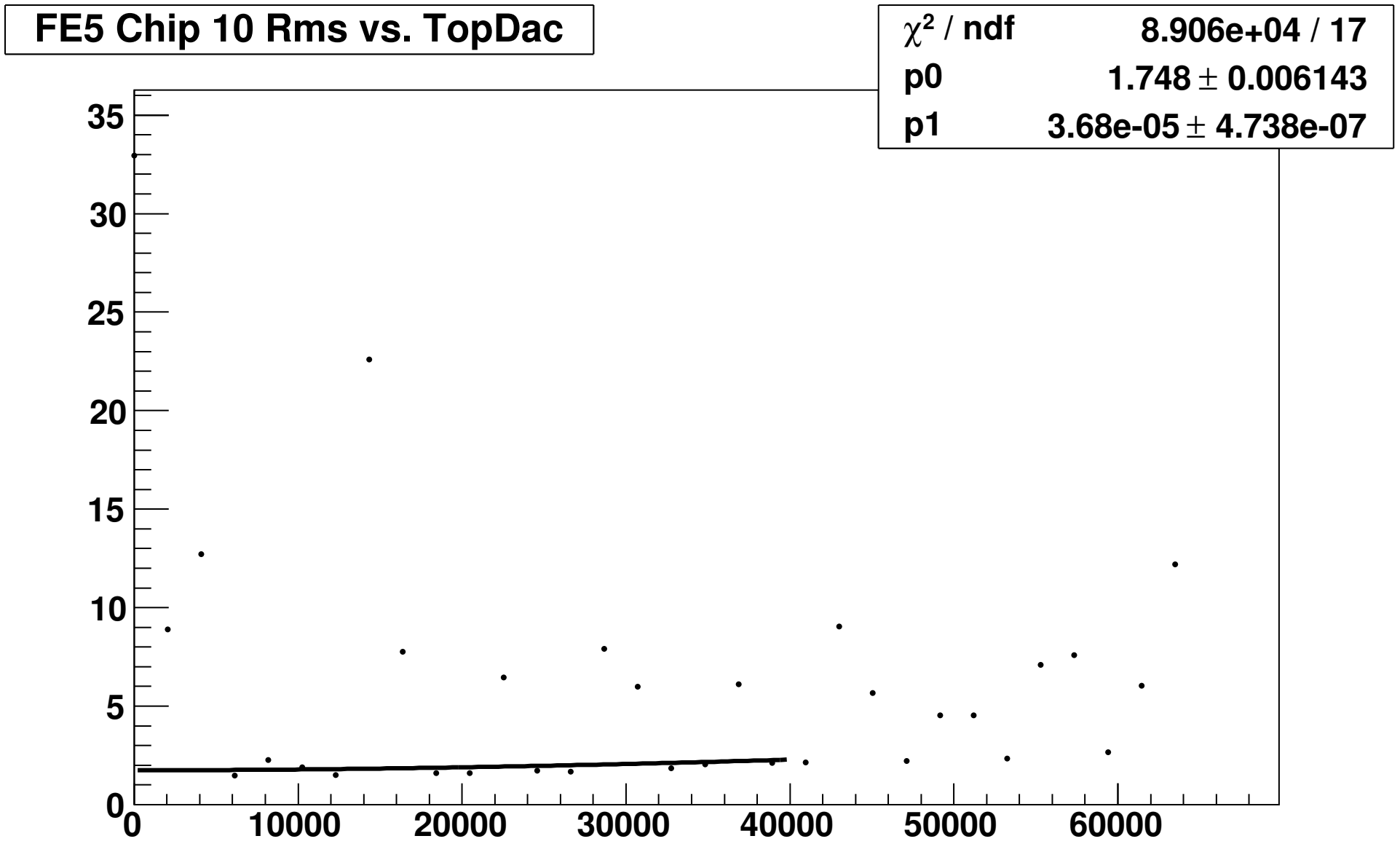

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.558e+11 / 17
p0 -1914 ± 0.01032
p1 0.4451 ± 4.73e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

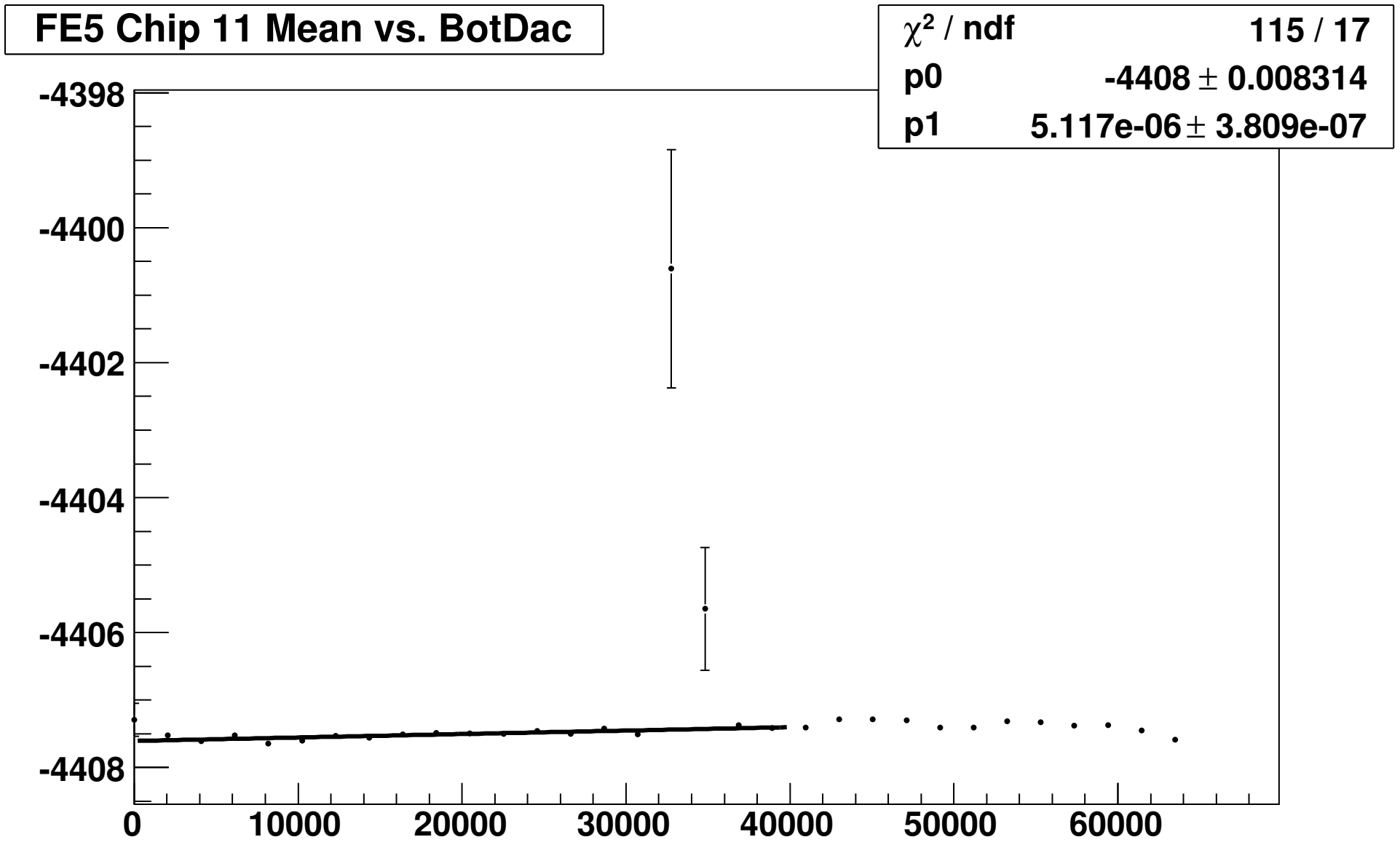

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 6.745e+04 / 17
p0 1.711 ± 0.005594
p1 3.876e-05 ± 4.261e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

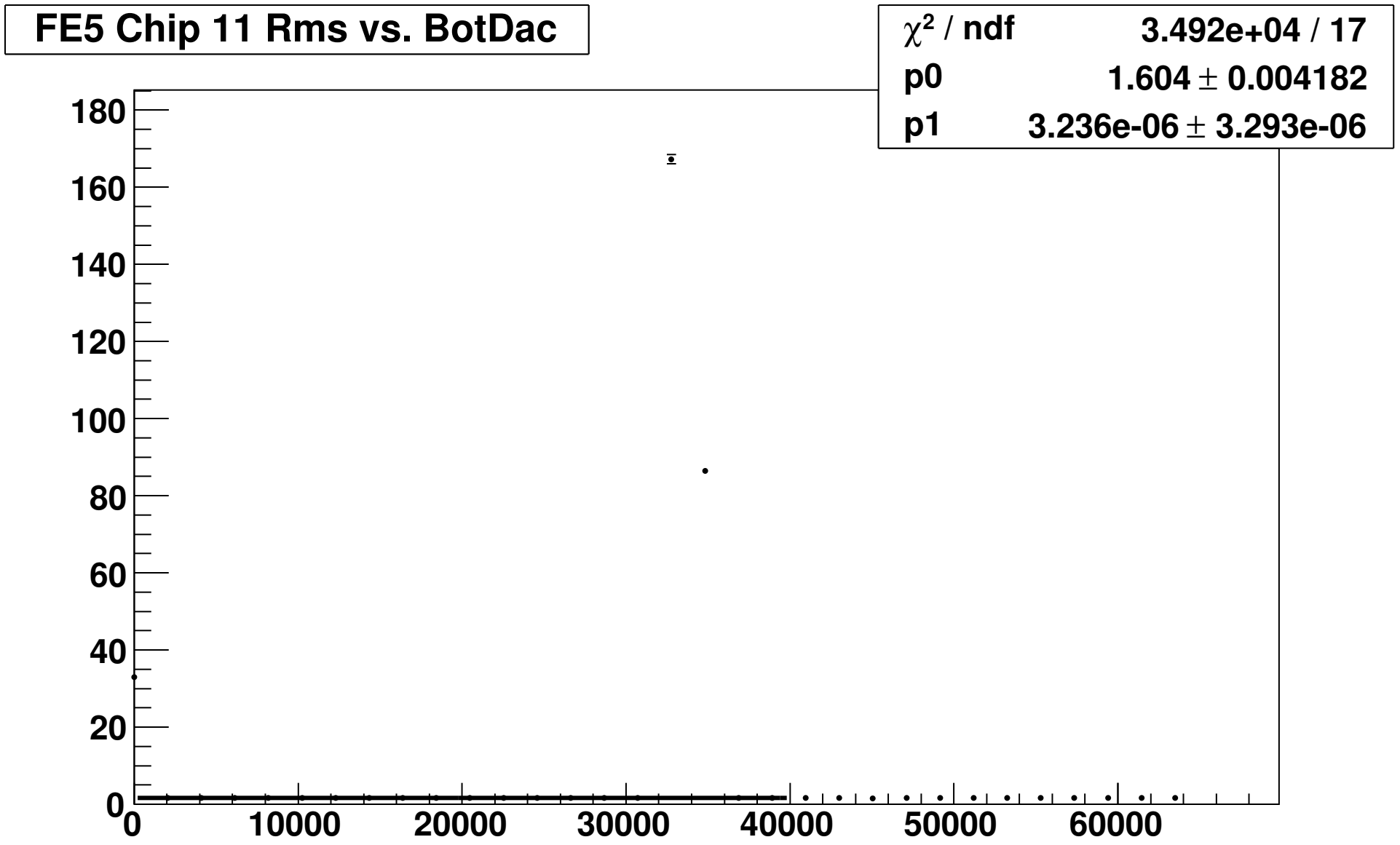

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 117.5 / 17
p0 -4409 ± 0.008182
p1 4.798e-06 ± 3.75e-07
-4396
-4398
-4400
-4402
-4404
-4406
-4408
-4410
0
10000
20000
30000
40000
50000
60000

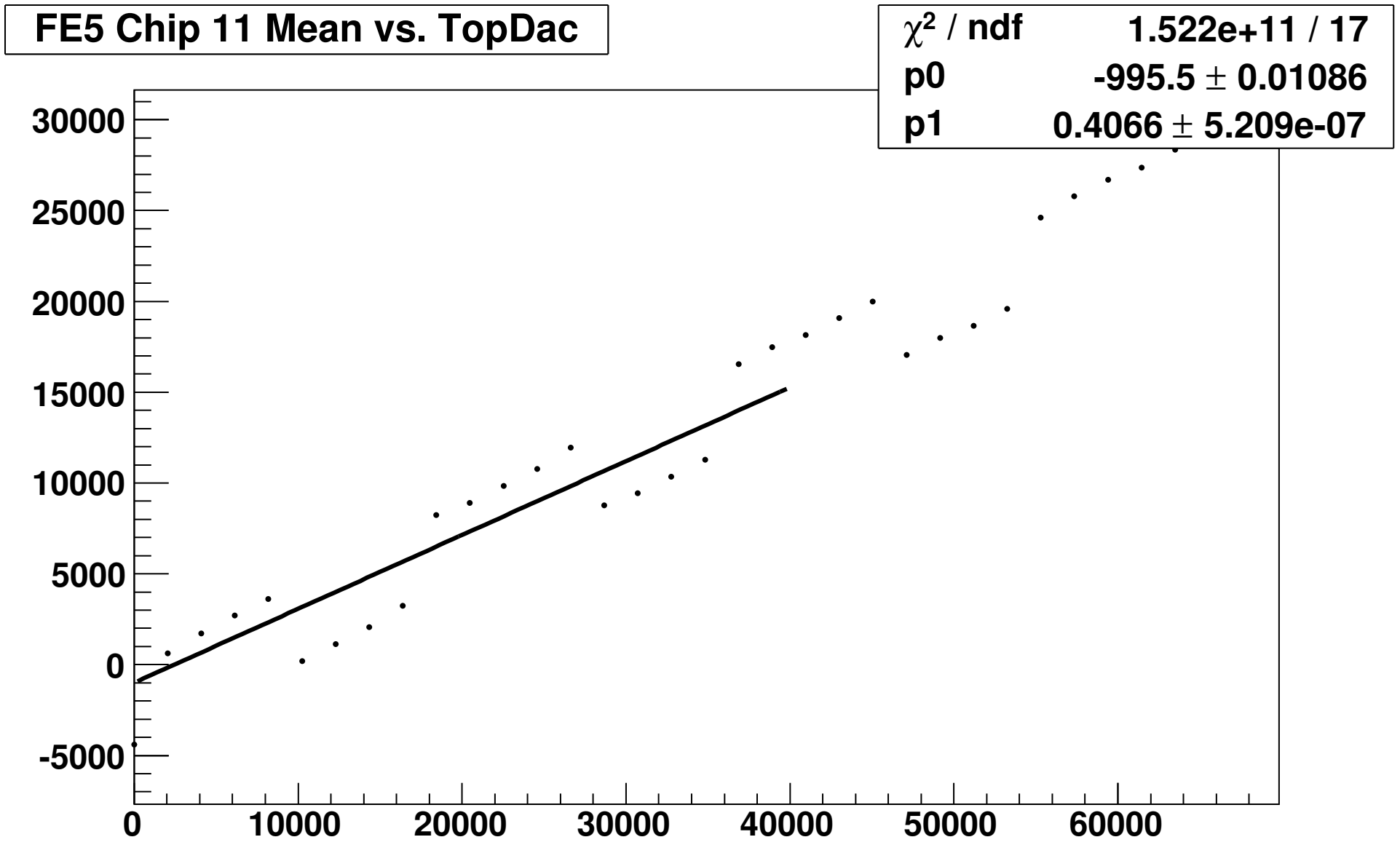

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 3.507e+04 / 17
p0 1.575 ± 0.004878
p1 3.51e-06 ± 1.903e-06
220
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

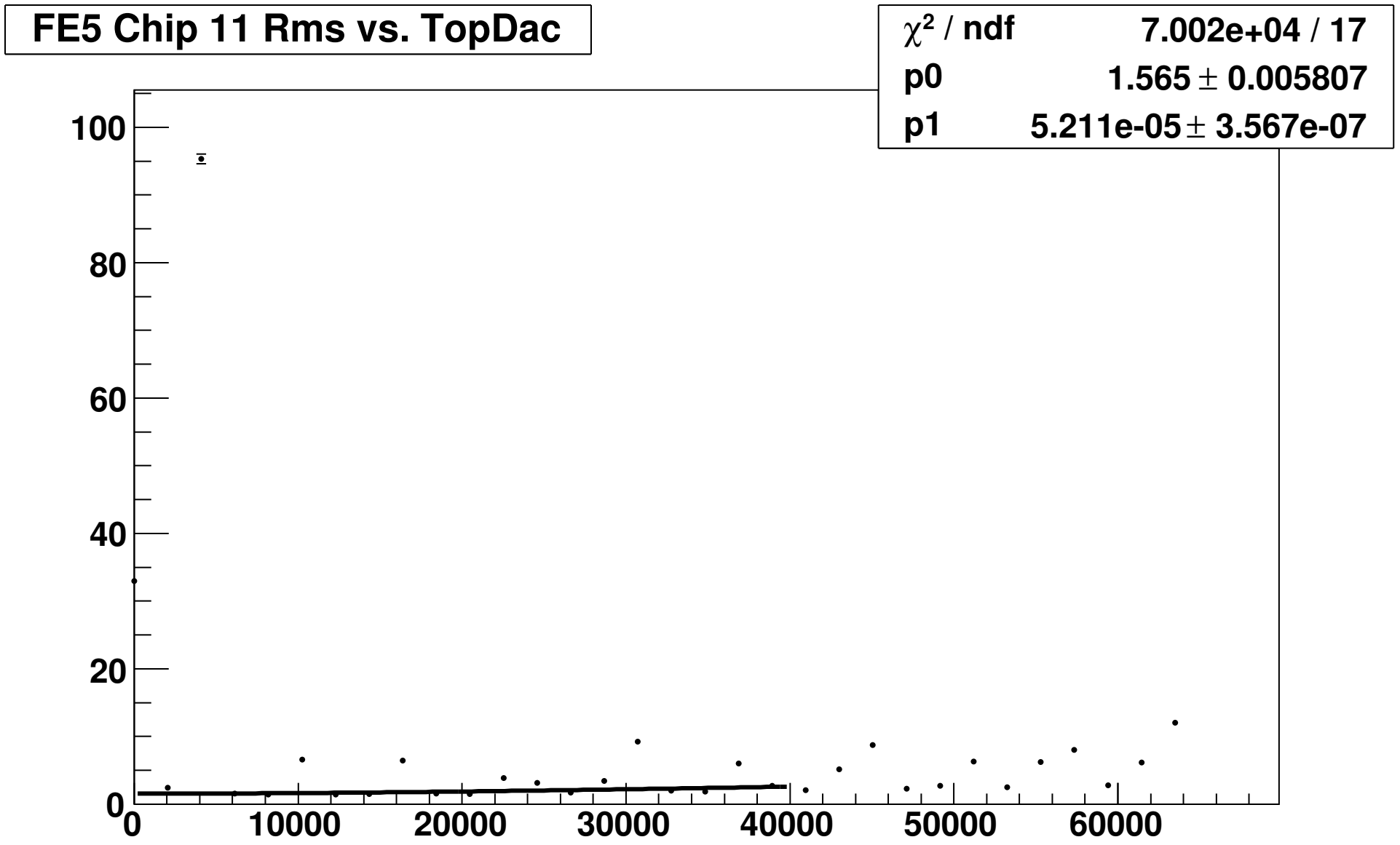

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.379e+11 / 17
p0 -1354 ± 0.01212
p1 0.4359 ± 5.357e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

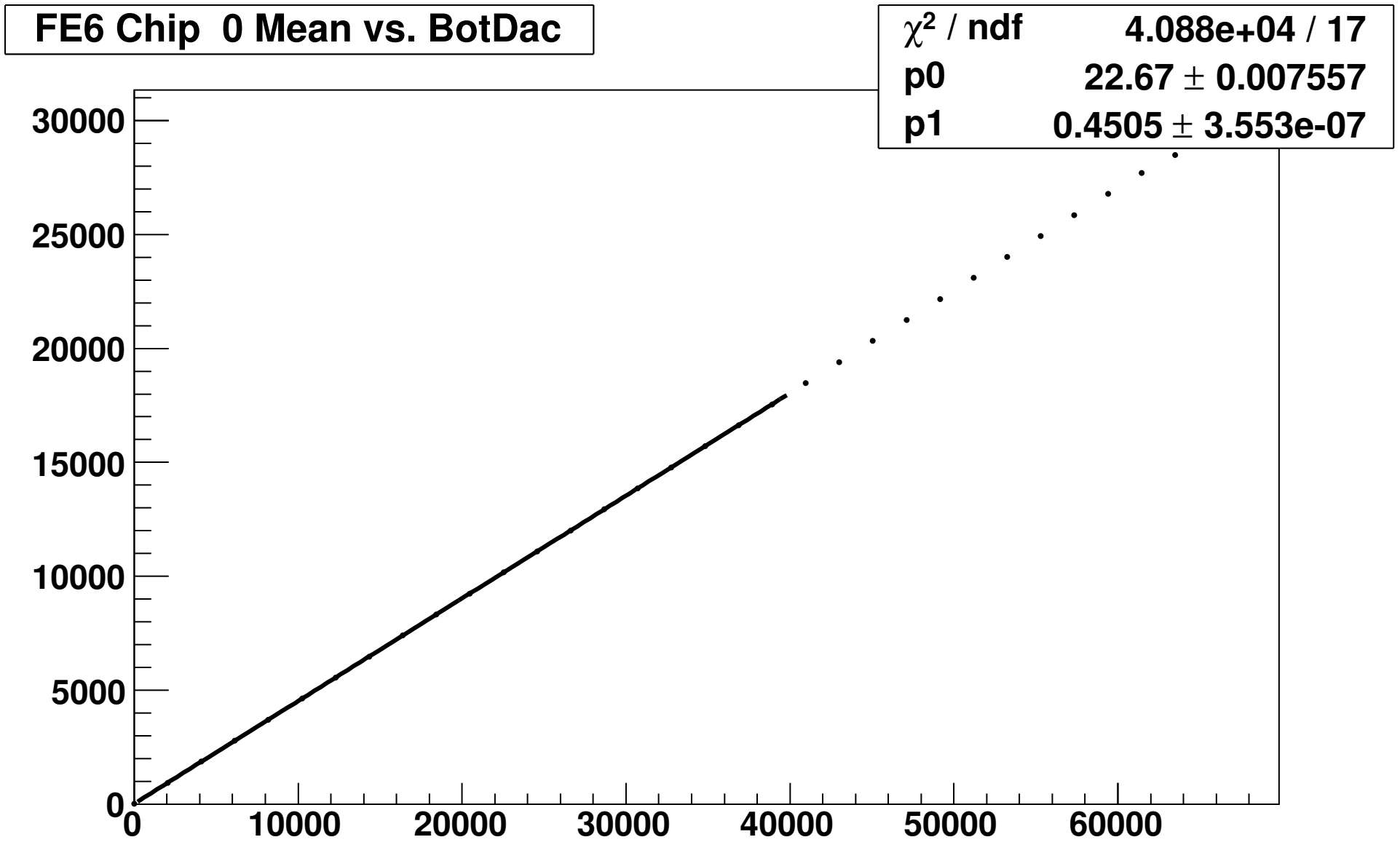

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 8.906e+04 / 17
p0 1.748 ± 0.006143
p1 3.68e-05 ± 4.738e-07
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

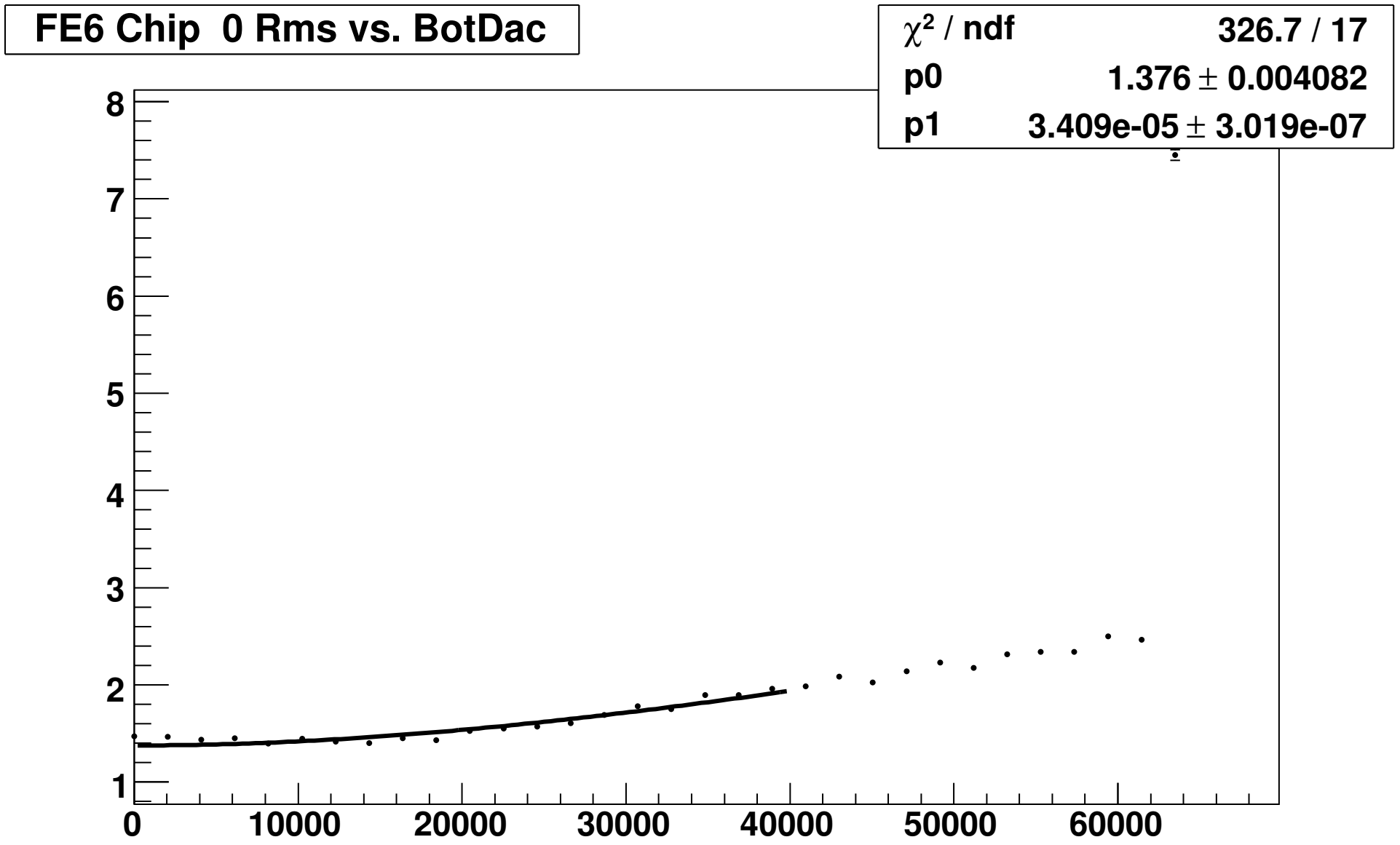

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 115 / 17
p0 -4408 ± 0.008314
p1 5.117e-06 ± 3.809e-07
-4398
-4400
-4402
-4404
-4406
-4408
0
10000
20000
30000
40000
50000
60000

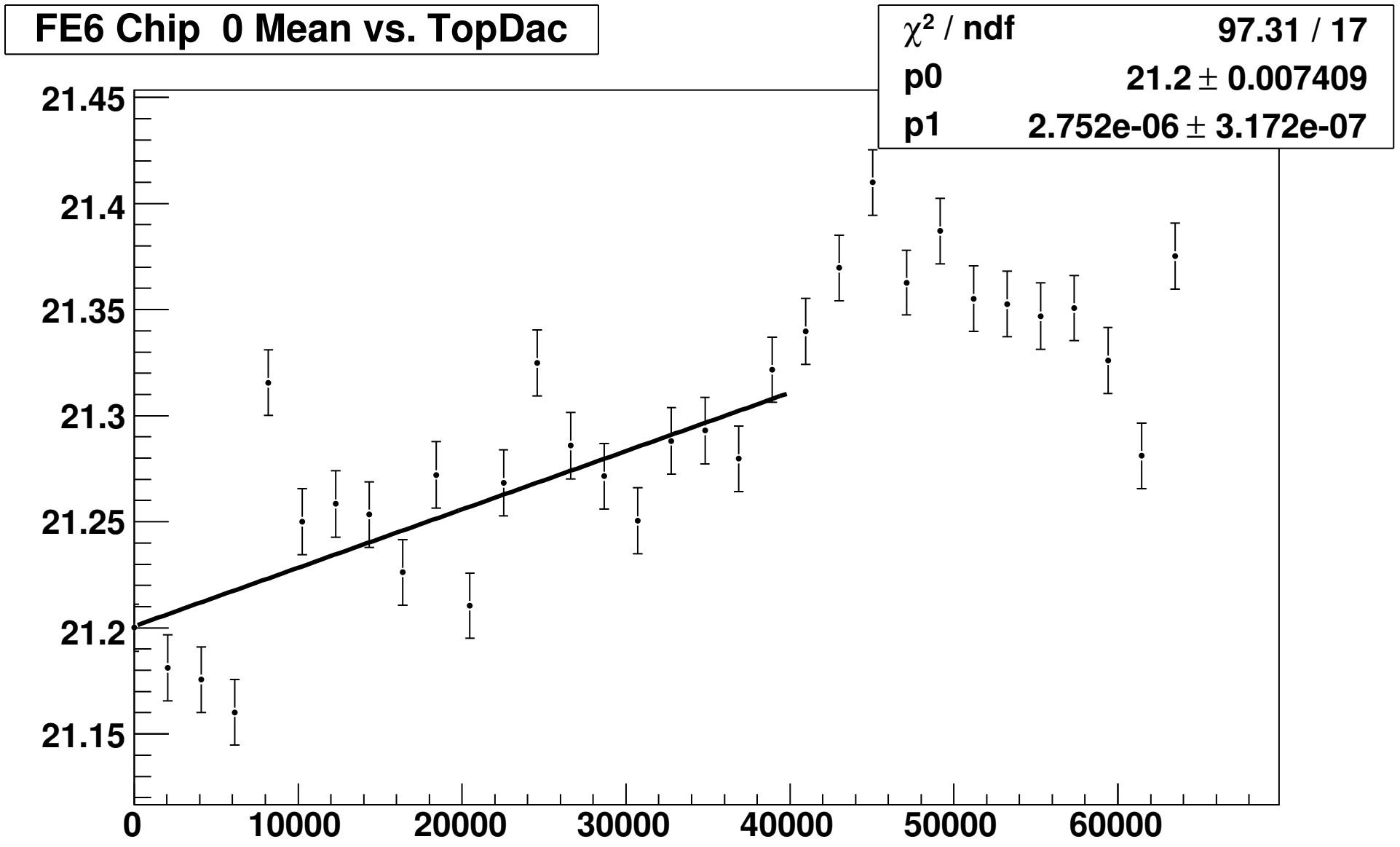

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 3.492e+04 / 17
p0 1.604 ± 0.004182
p1 3.236e-06 ± 3.293e-06
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

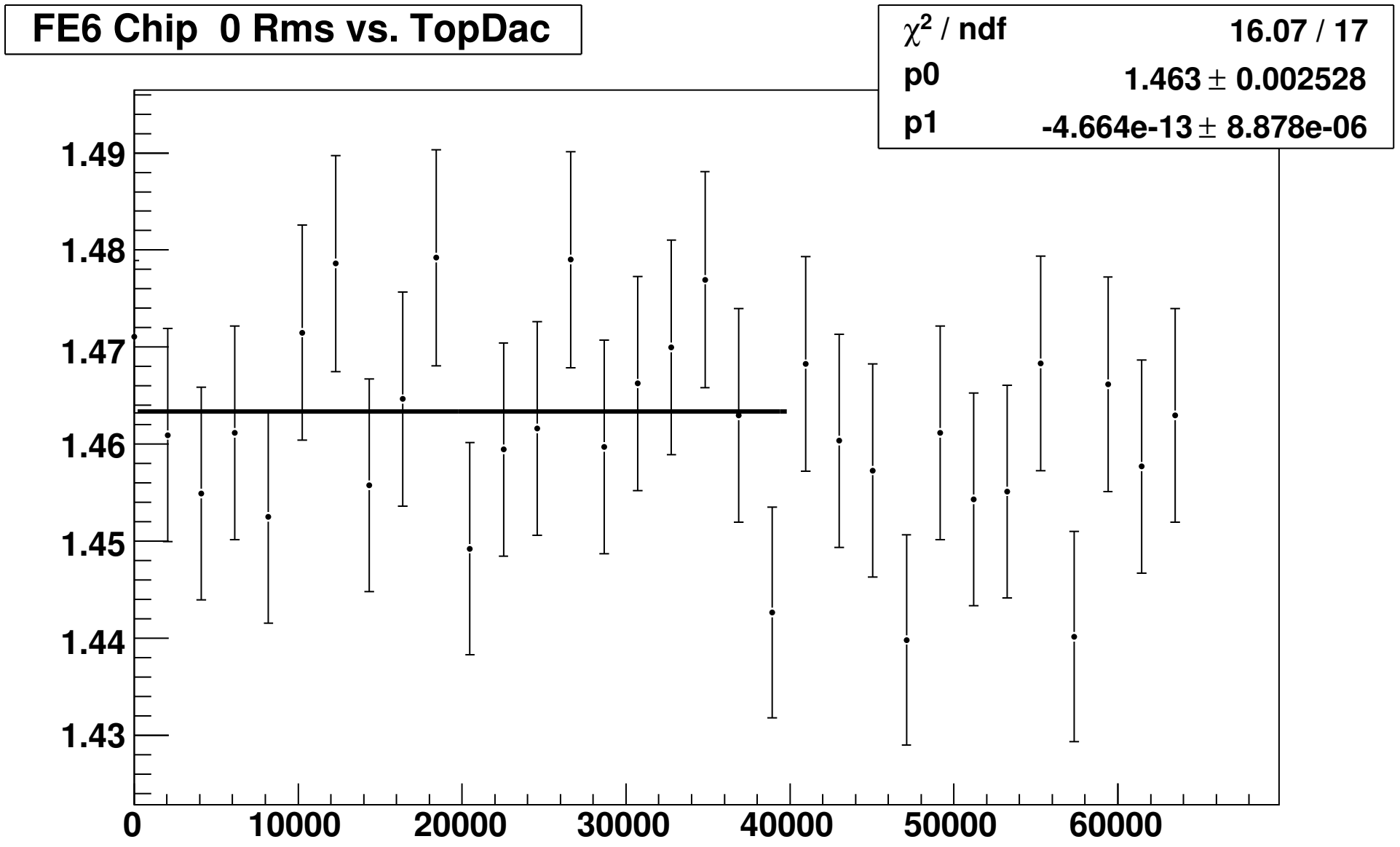

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.522e+11 / 17
p0 -995.5 ± 0.01086
p1 0.4066 ± 5.209e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

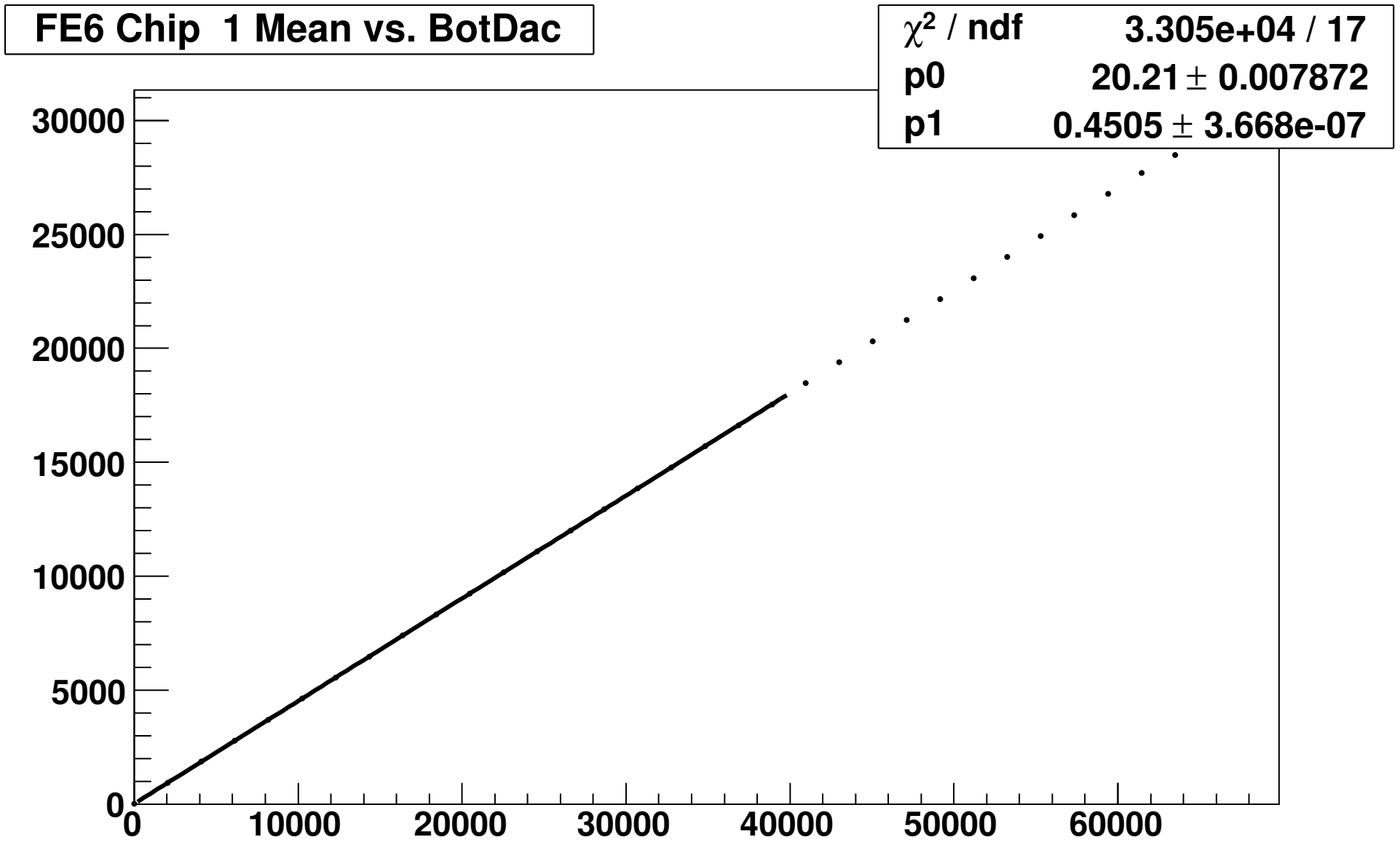

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 7.002e+04 / 17
p0 1.565 ± 0.005807
p1 5.211e-05 ± 3.567e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

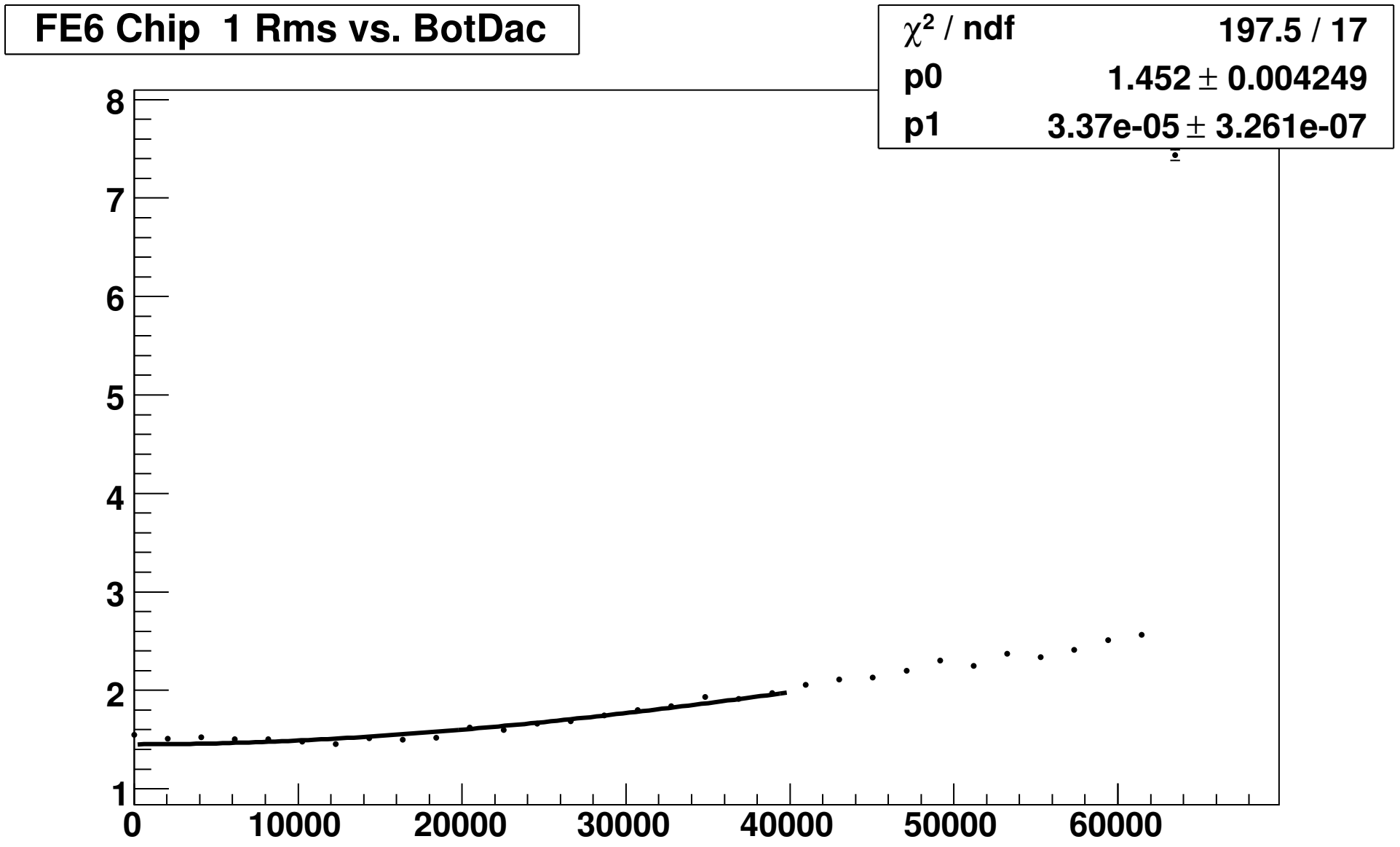

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 4.088e+04 / 17
p0 22.67 ± 0.007557
p1 0.4505 ± 3.553e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

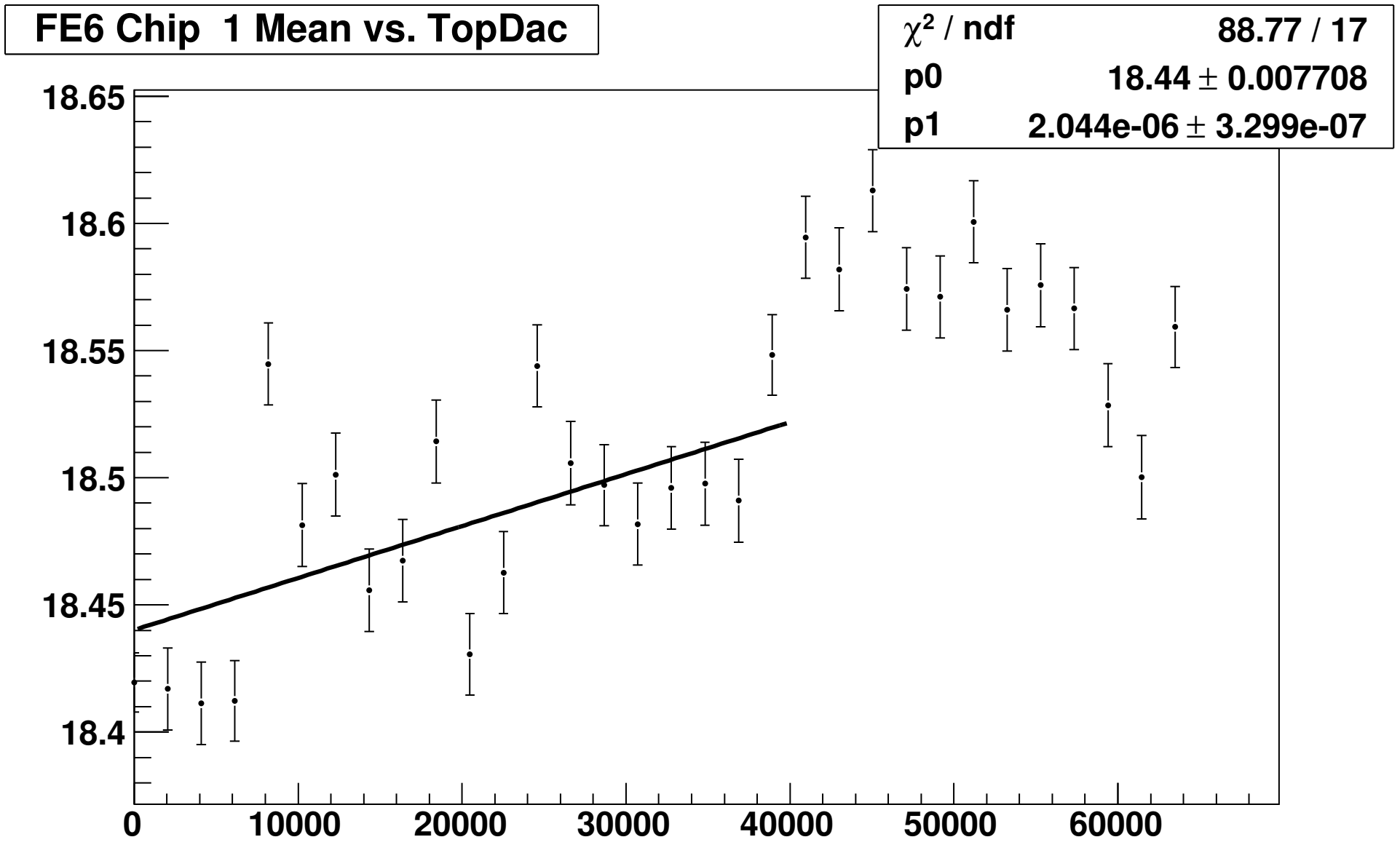

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 326.7 / 17
p0 1.376 ± 0.004082
p1 3.409e-05 ± 3.019e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

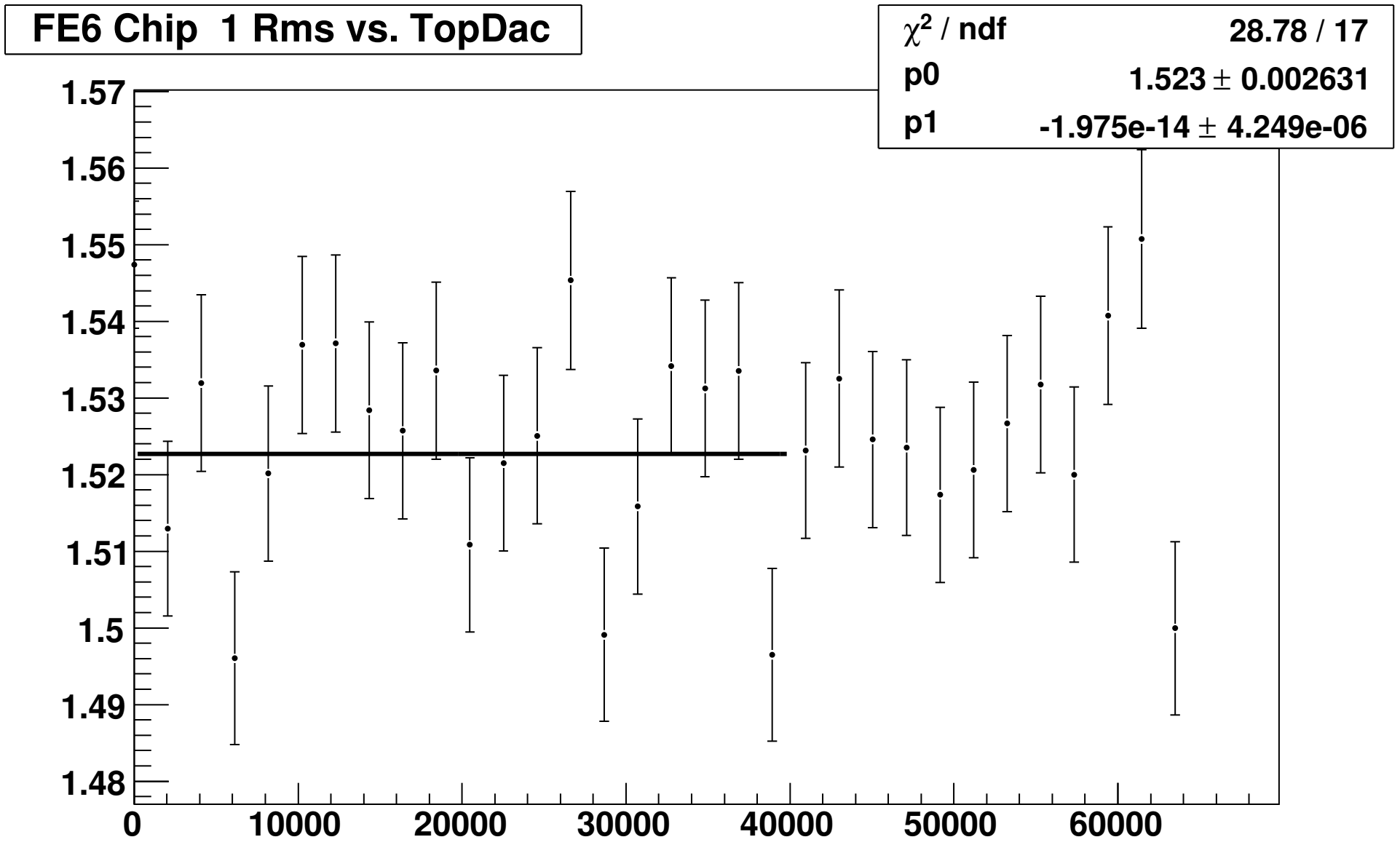

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 97.31 / 17
p0 21.2 ± 0.007409
p1 2.752e-06 ± 3.172e-07
21.45
21.4
21.35
21.3
21.25
21.2
21.15
0
10000
20000
30000
40000
50000
60000

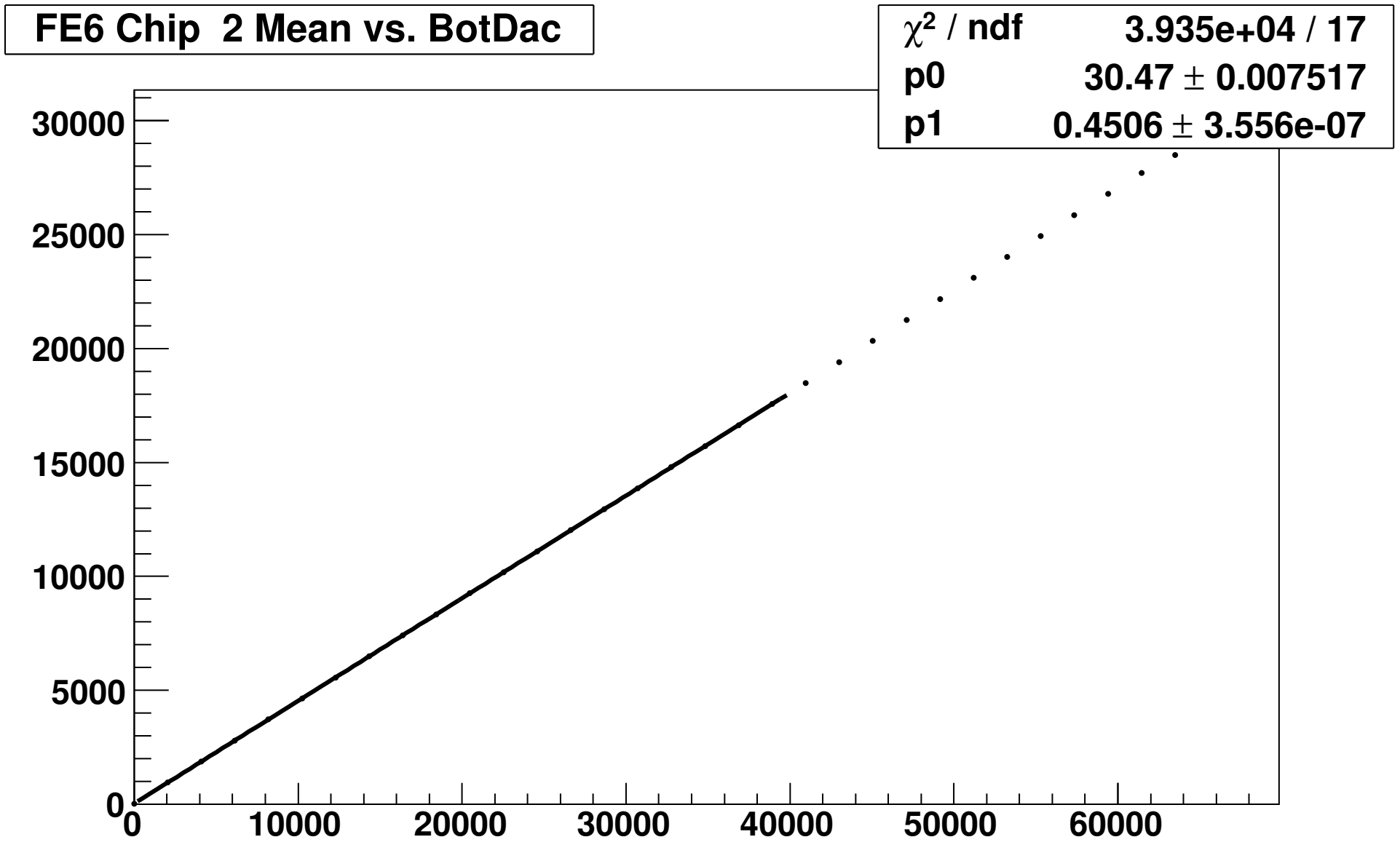

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 16.07 / 17
p0 1.463 ± 0.002528
p1 -4.664e-13 ± 8.878e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000

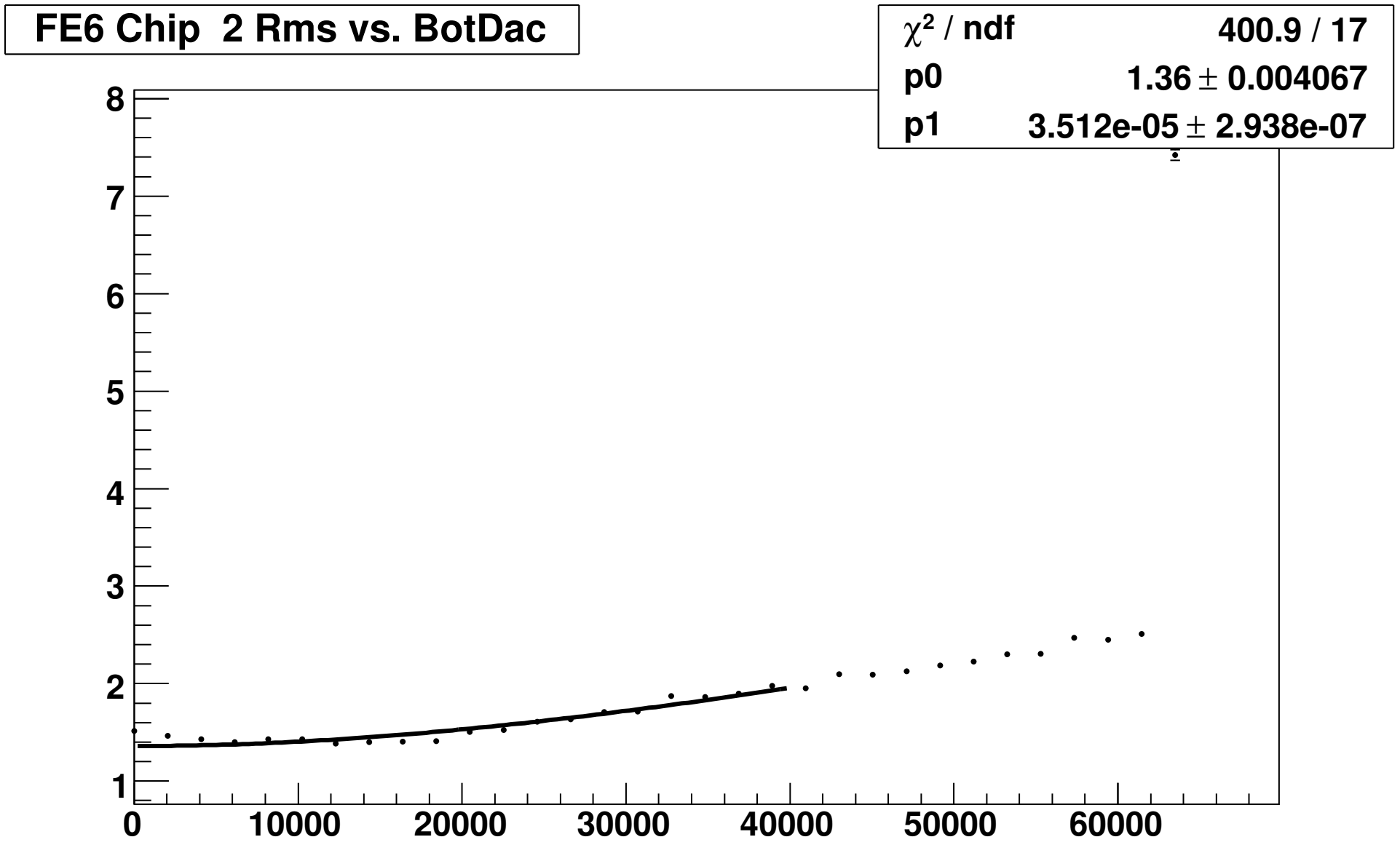

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 3.305e+04 / 17
p0 20.21 ± 0.007872
p1 0.4505 ± 3.668e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

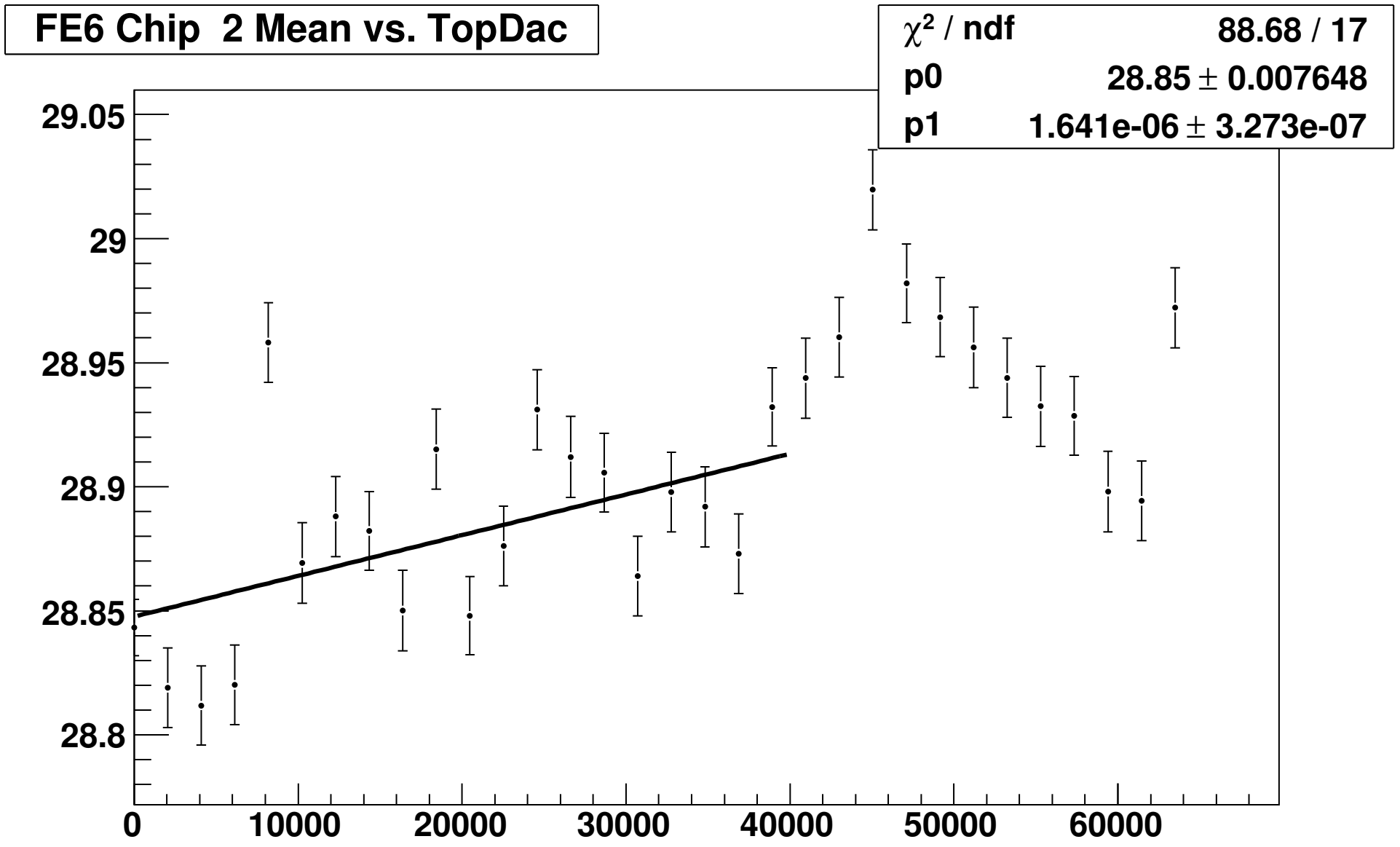

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 197.5 / 17
p0 1.452 ± 0.004249
p1 3.37e-05 ± 3.261e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

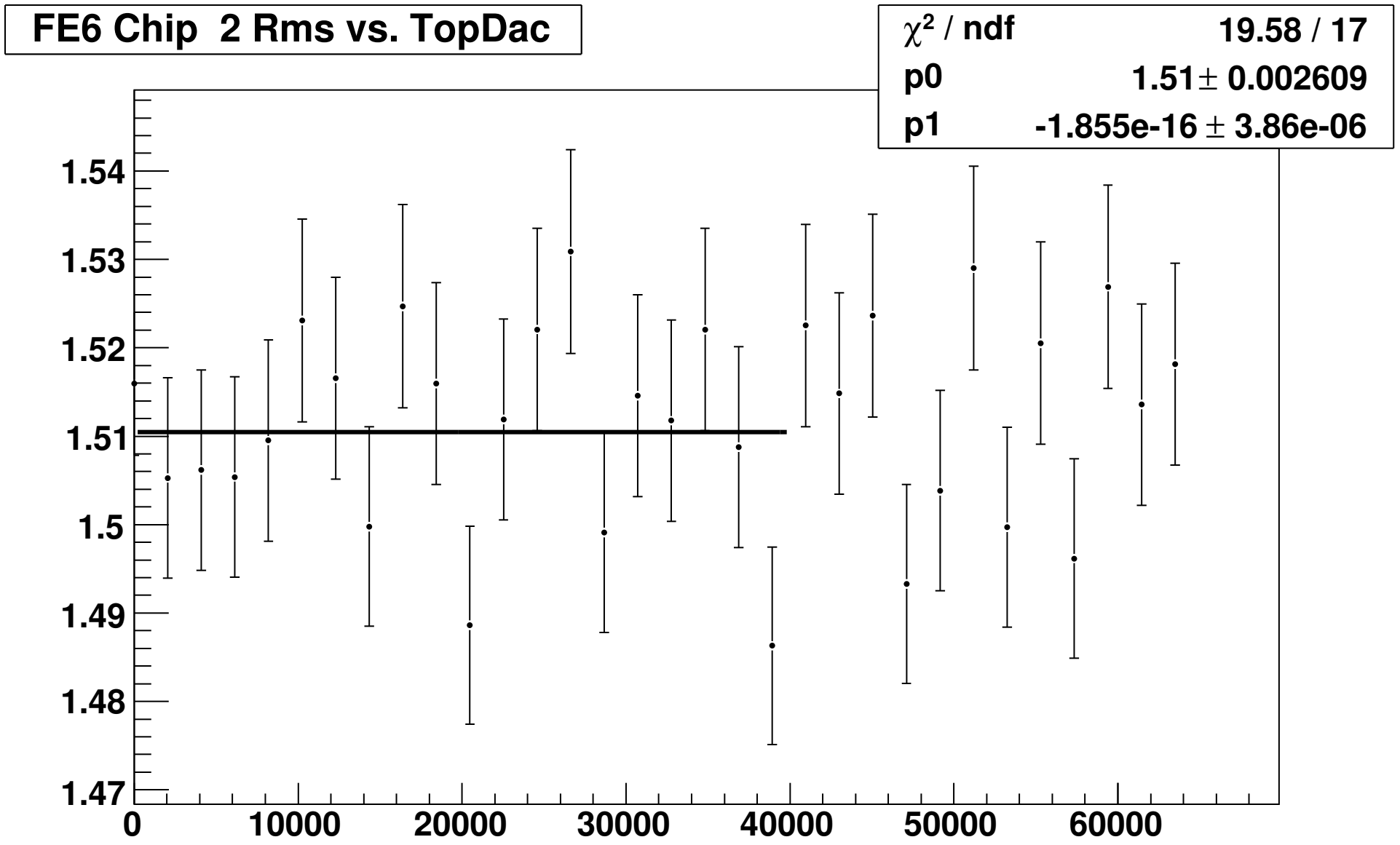

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 88.77 / 17
p0 18.44 ± 0.007708
p1 2.044e-06 ± 3.299e-07
18.65
18.6
18.55
18.5
18.45
18.4
0
10000
20000
30000
40000
50000
60000

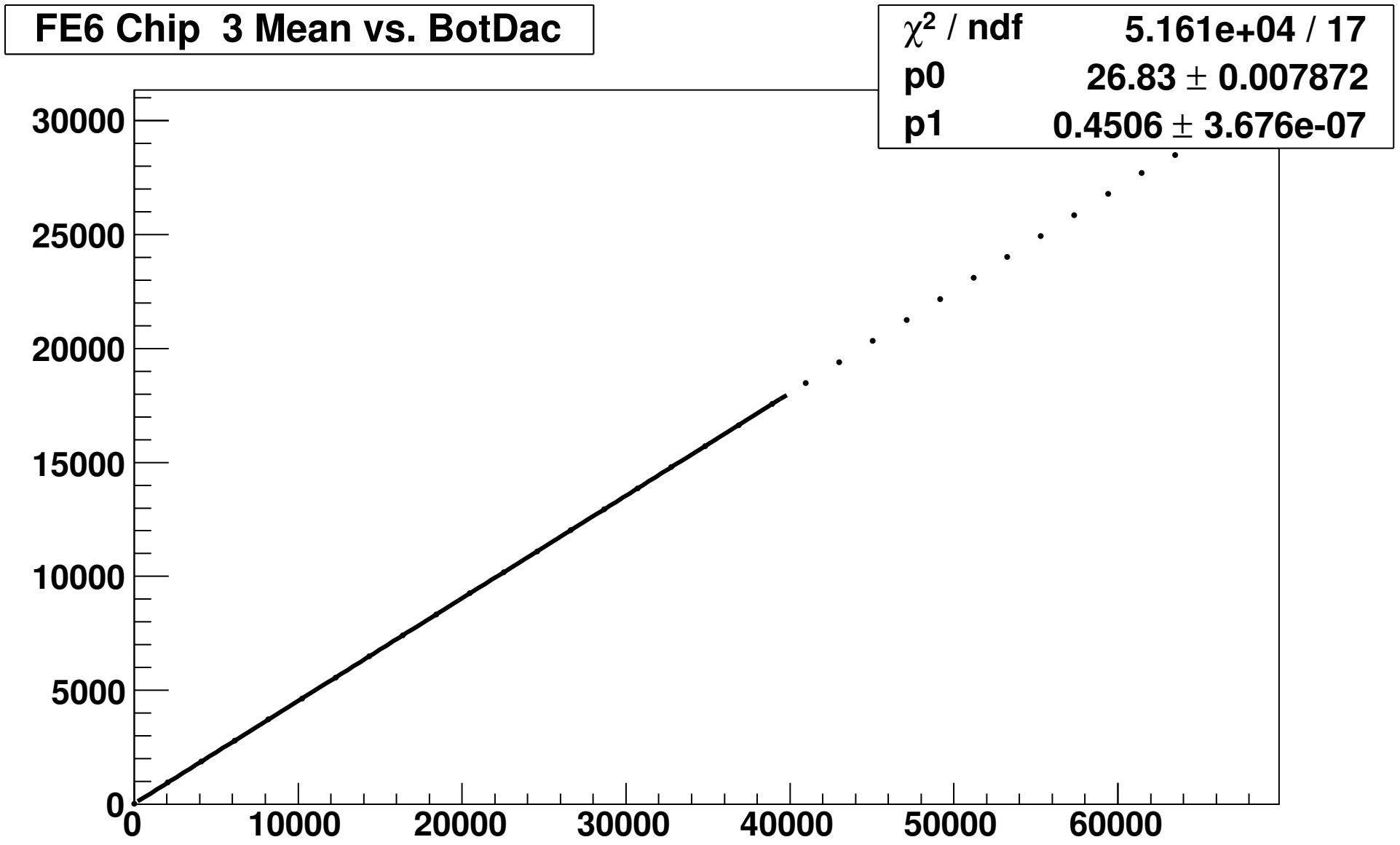

FE6 Chip 1 Rms vs. TopDac
χ² / ndf 28.78 / 17
p0 1.523 ± 0.002631
p1 -1.975e-14 ± 4.249e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

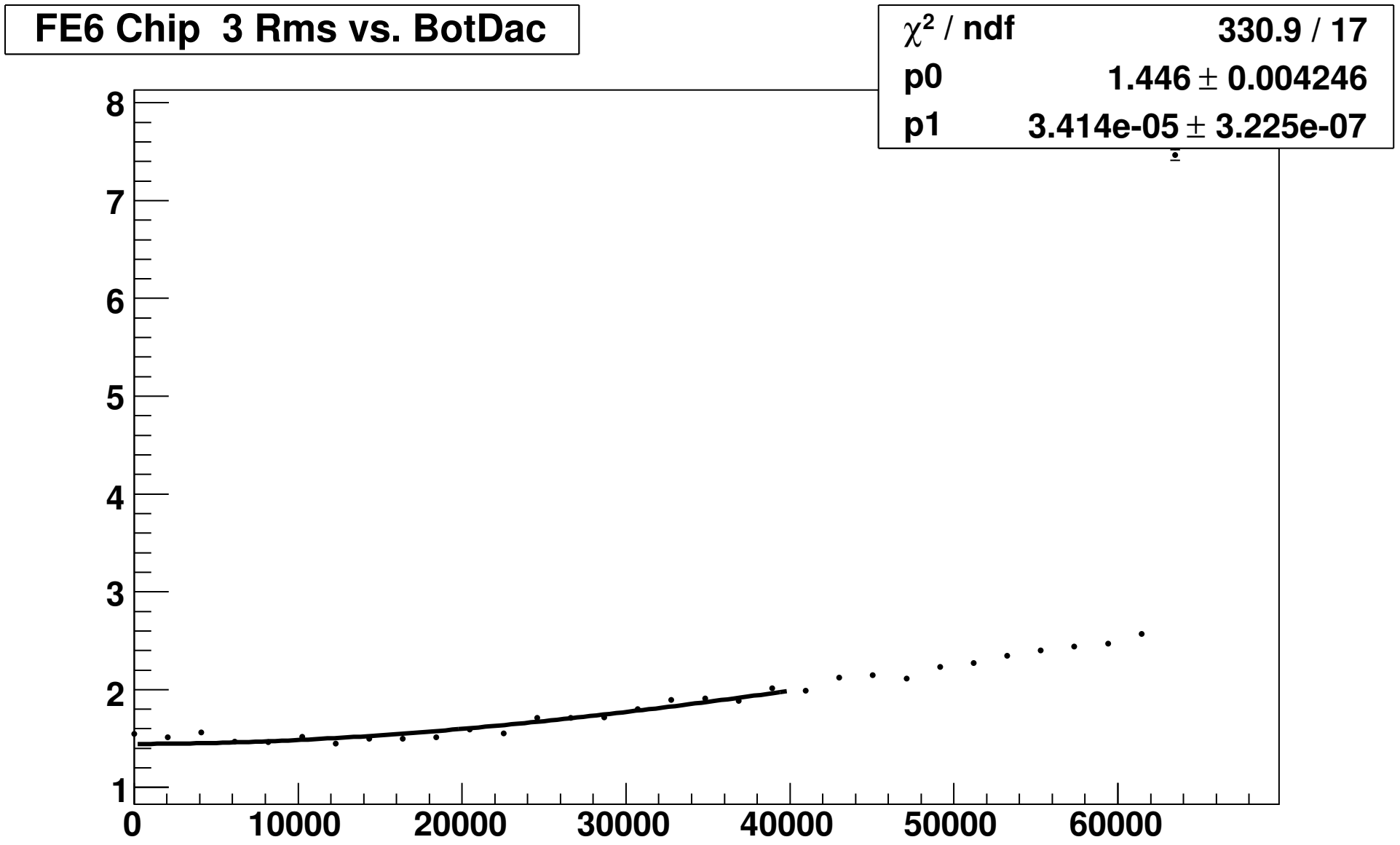

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 3.935e+04 / 17
p0 30.47 ± 0.007517
p1 0.4506 ± 3.556e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 400.9 / 17
p0 1.36 ± 0.004067
p1 3.512e-05 ± 2.938e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 88.68 / 17
p0 28.85 ± 0.007648
p1 1.641e-06 ± 3.273e-07
29.05
29
28.95
28.9
28.85
28.8
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 19.58 / 17
p0 1.51 ± 0.002609
p1 -1.855e-16 ± 3.86e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 5.161e+04 / 17
p0 26.83 ± 0.007872
p1 0.4506 ± 3.676e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 330.9 / 17
p0 1.446 ± 0.004246
p1 3.414e-05 ± 3.225e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
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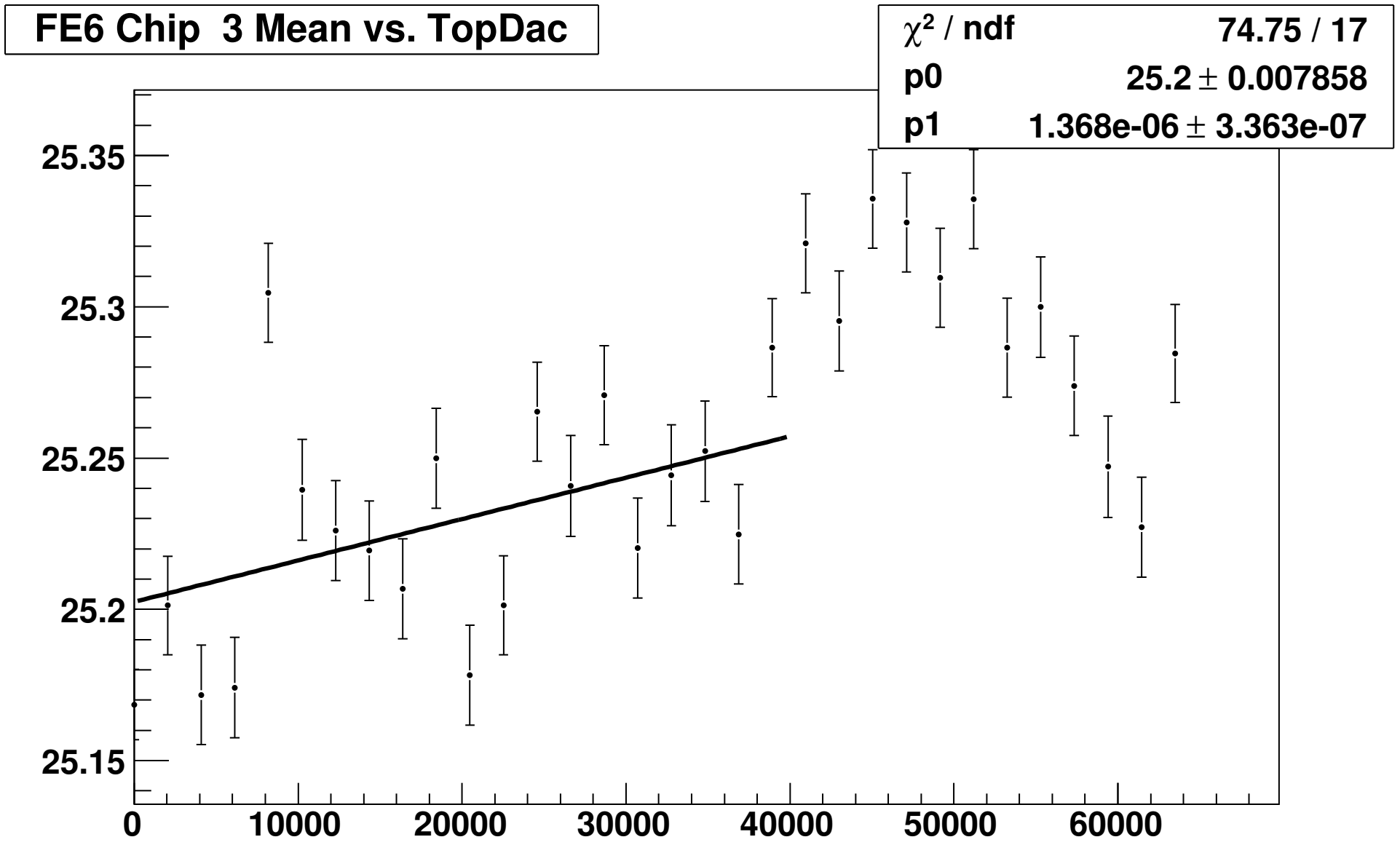
50000
60000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 74.75 / 17
p0 25.2 ± 0.007858
p1 1.368e-06 ± 3.363e-07
25.35
25.3
25.25
25.2
25.15
0
10000
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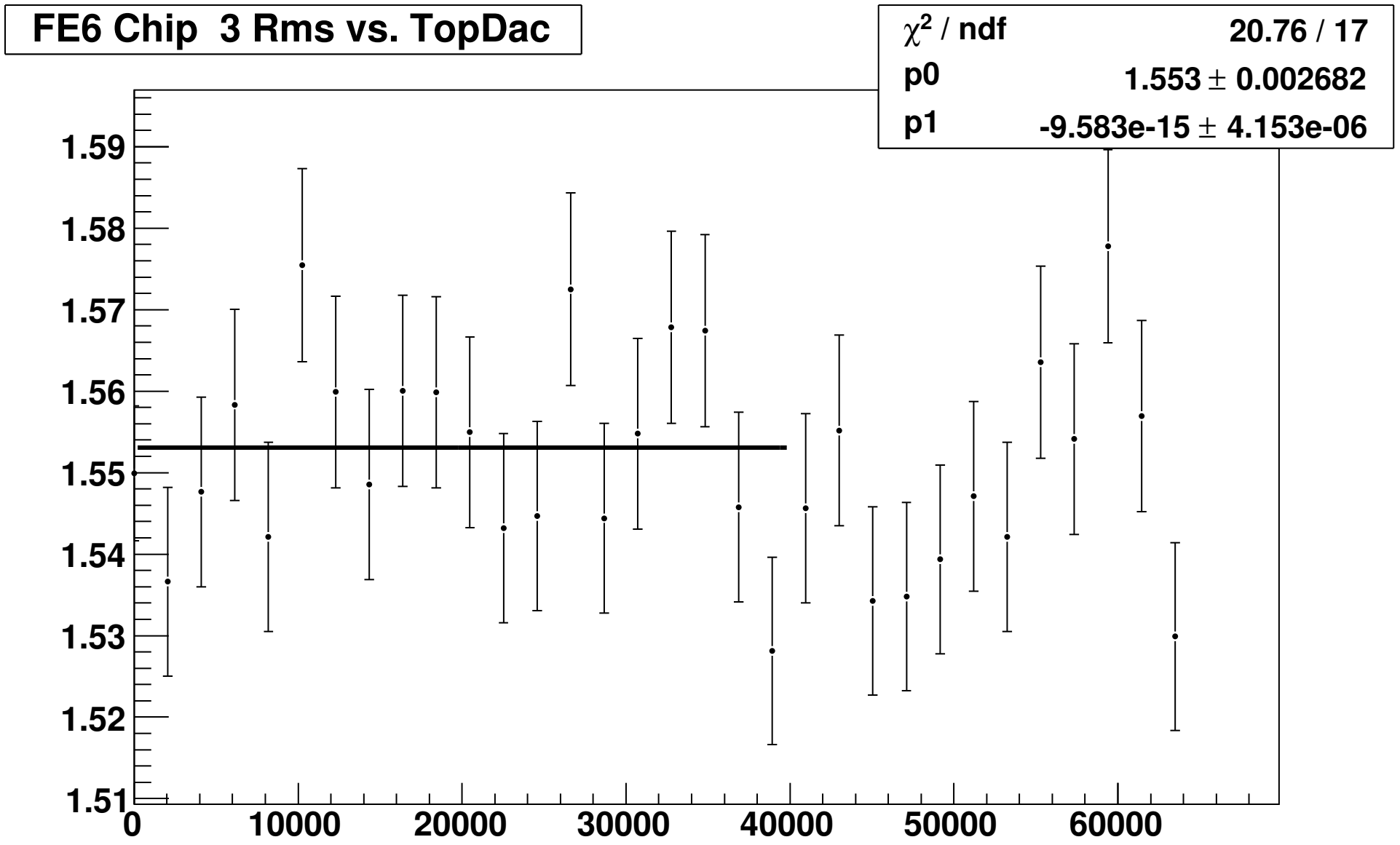
30000
40000
50000
60000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 20.76 / 17
p0 1.553 ± 0.002682
p1 -9.583e-15 ± 4.153e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
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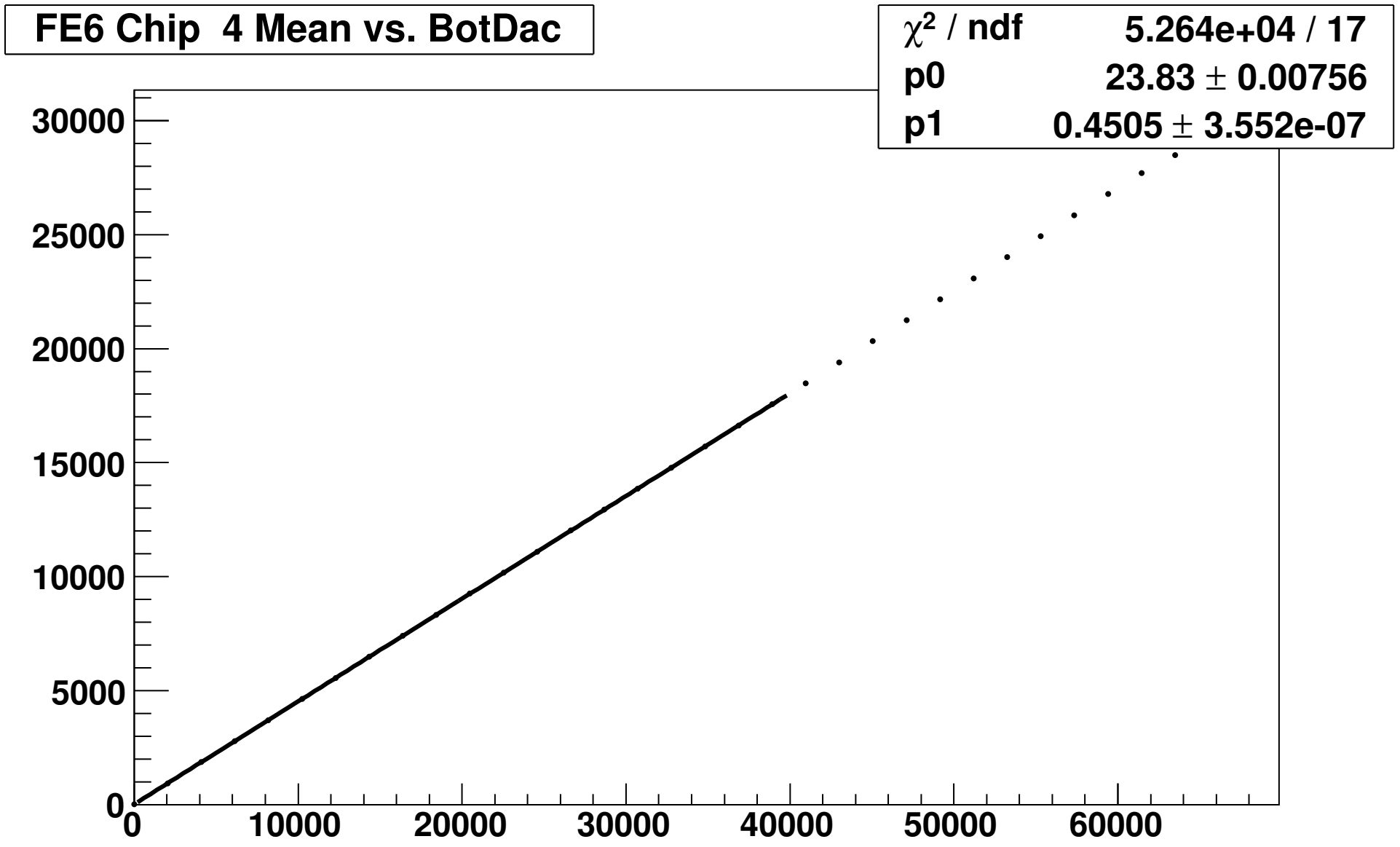
50000
60000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 5.264e+04 / 17
p0 23.83 ± 0.00756
p1 0.4505 ± 3.552e-07
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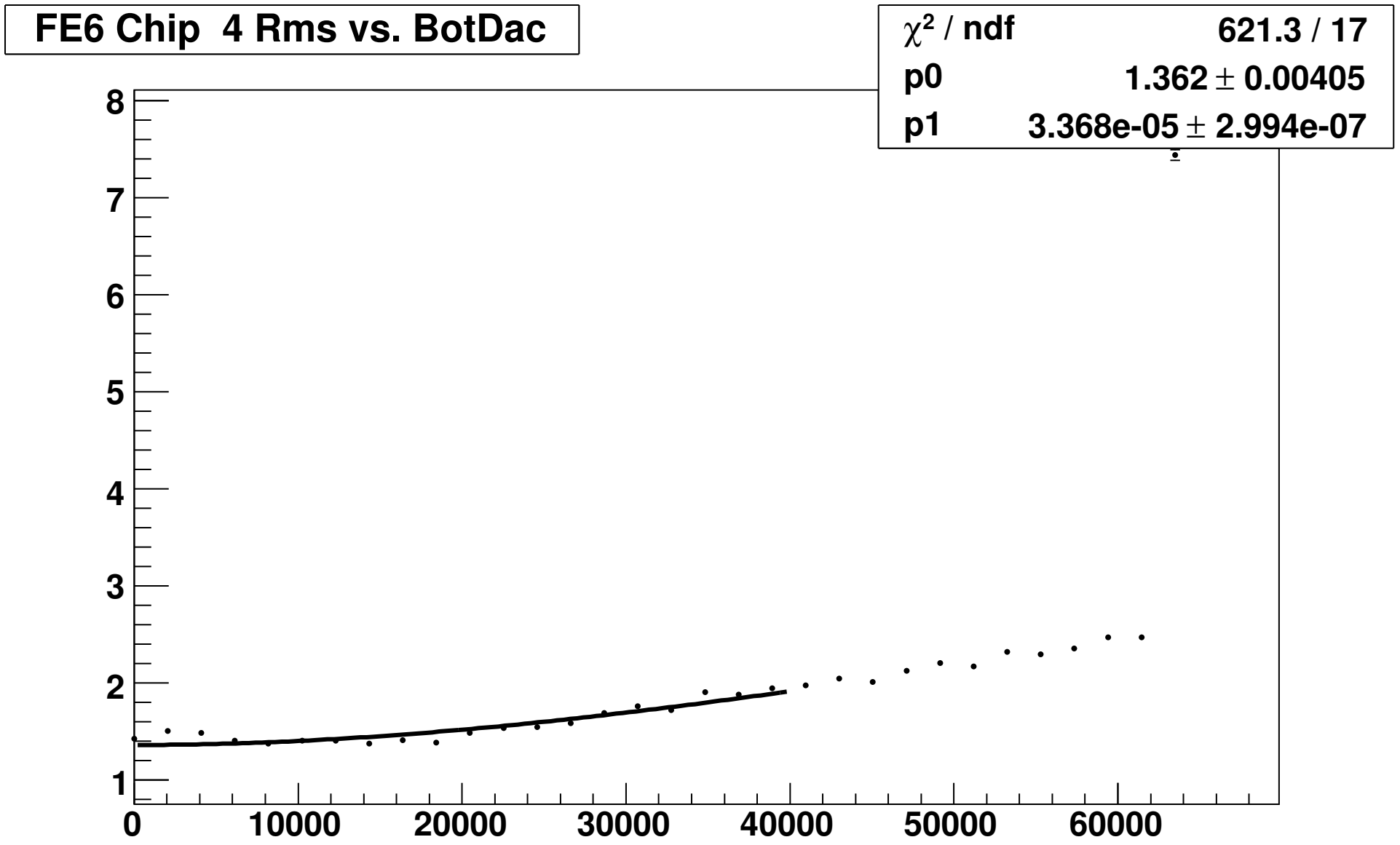
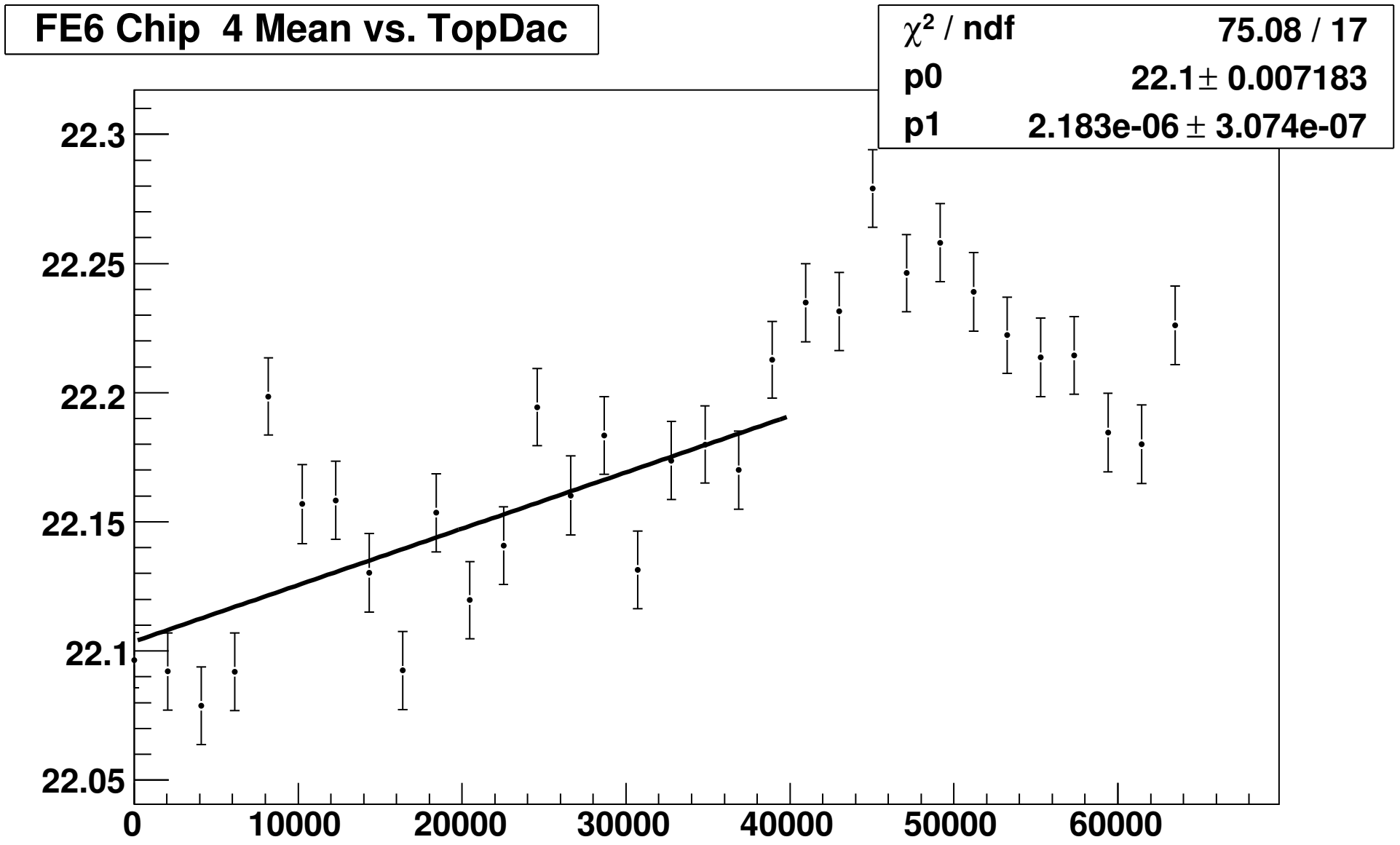
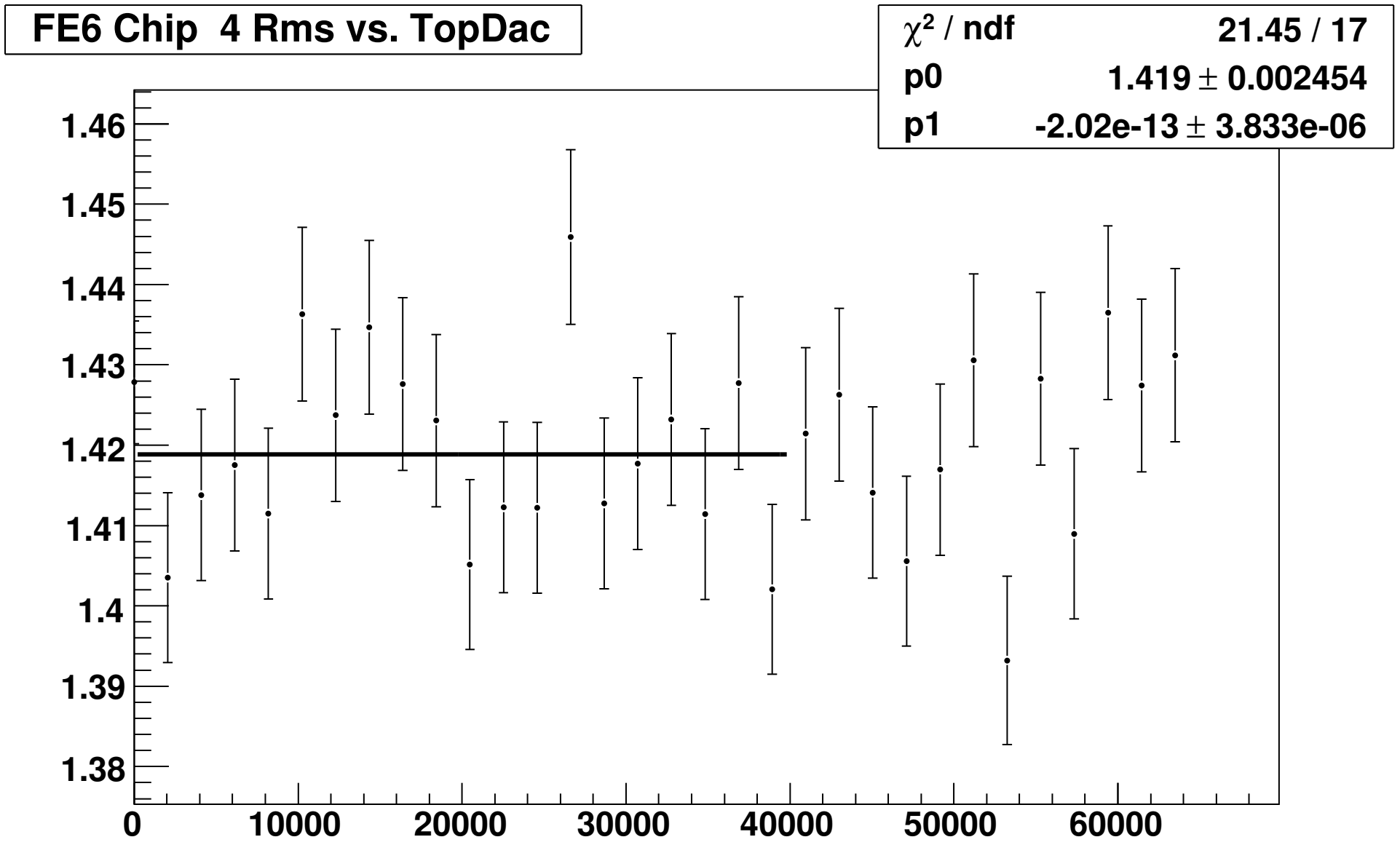
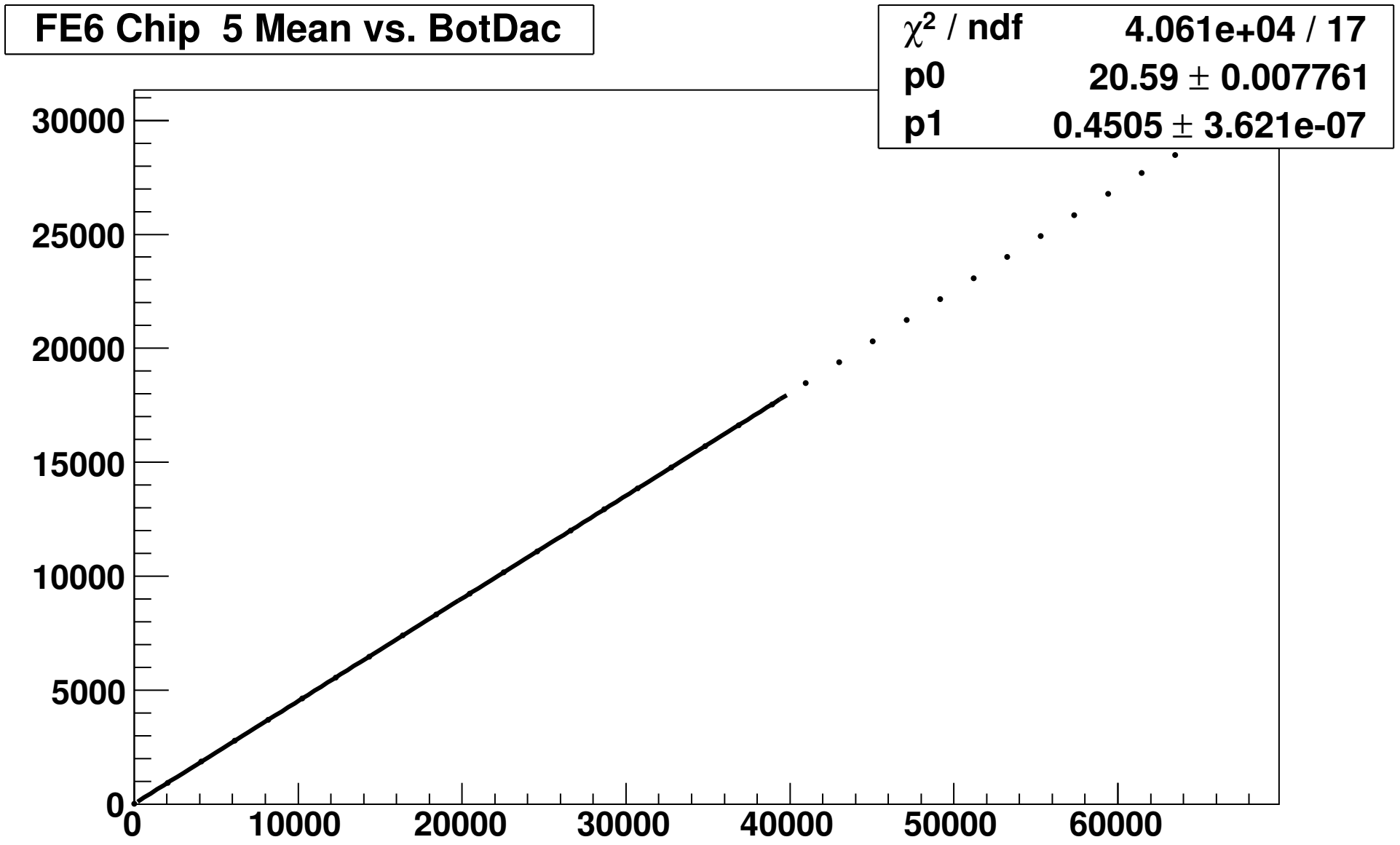
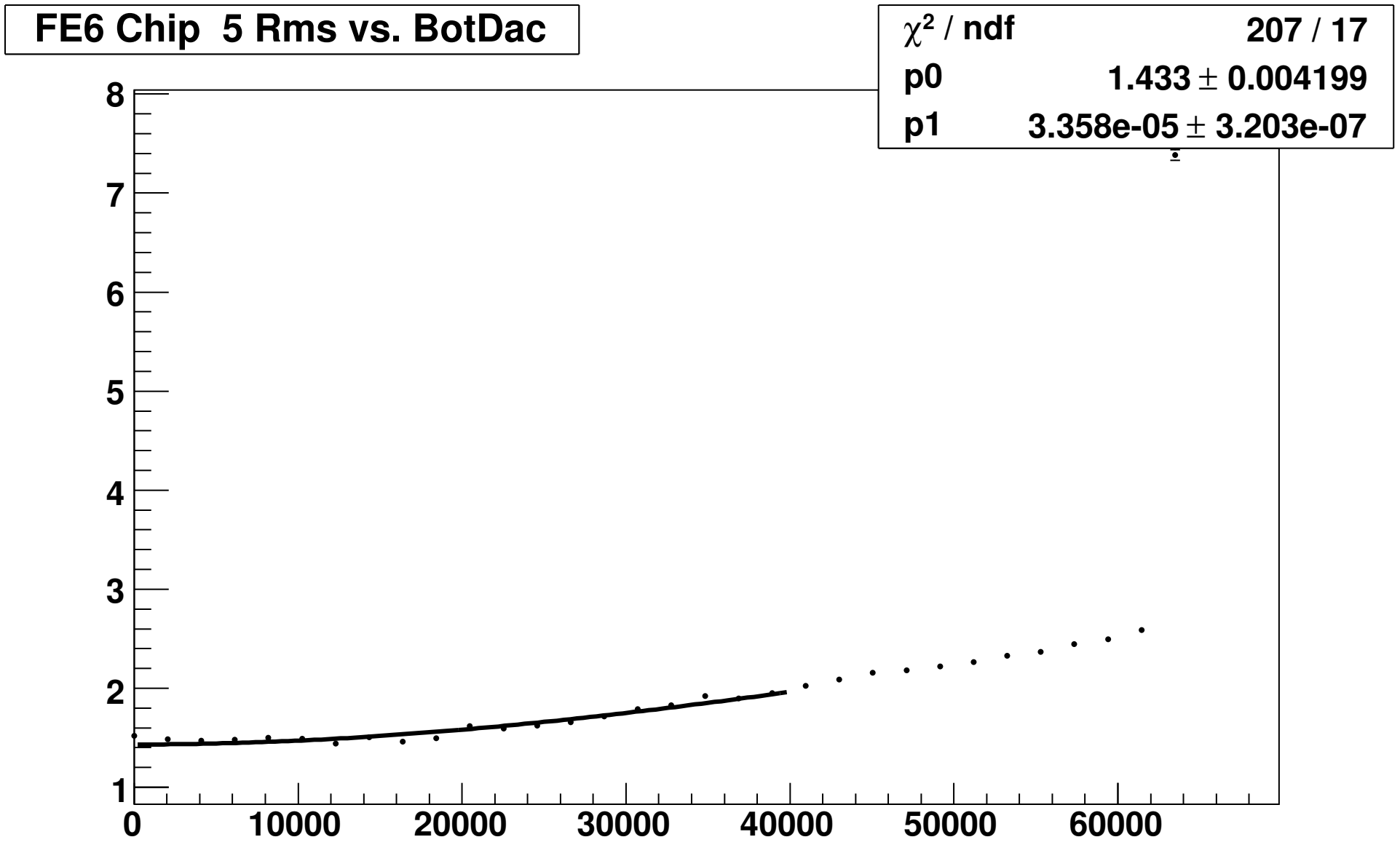
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

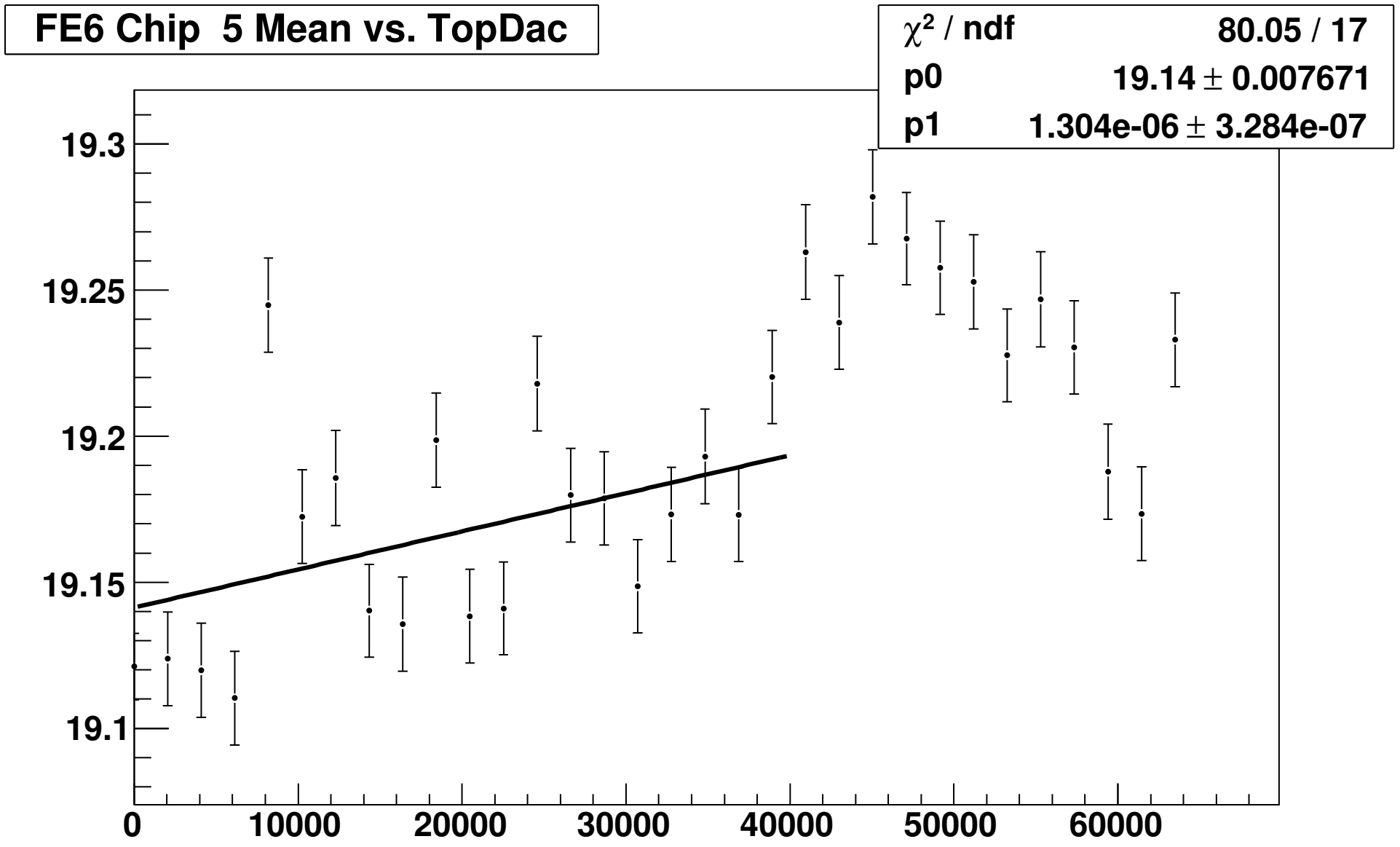

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 621.3 / 17
p0 1.362 ± 0.00405
p1 3.368e-05 ± 2.994e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

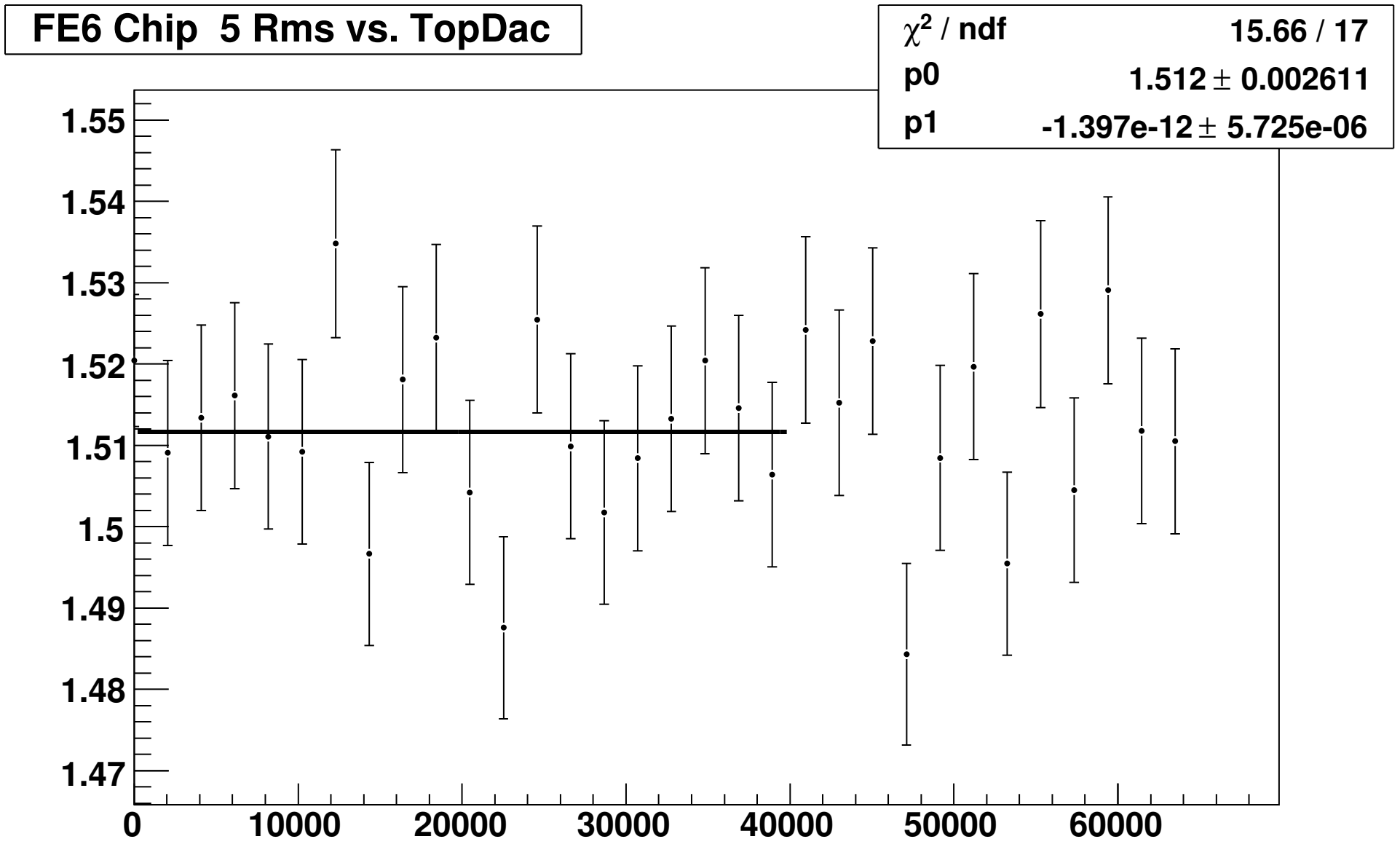

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 75.08 / 17
p0 22.1 ± 0.007183
p1 2.183e-06 ± 3.074e-07
22.3
22.25
22.2
22.15
22.1
22.05
0
10000
20000
30000
40000
50000
60000

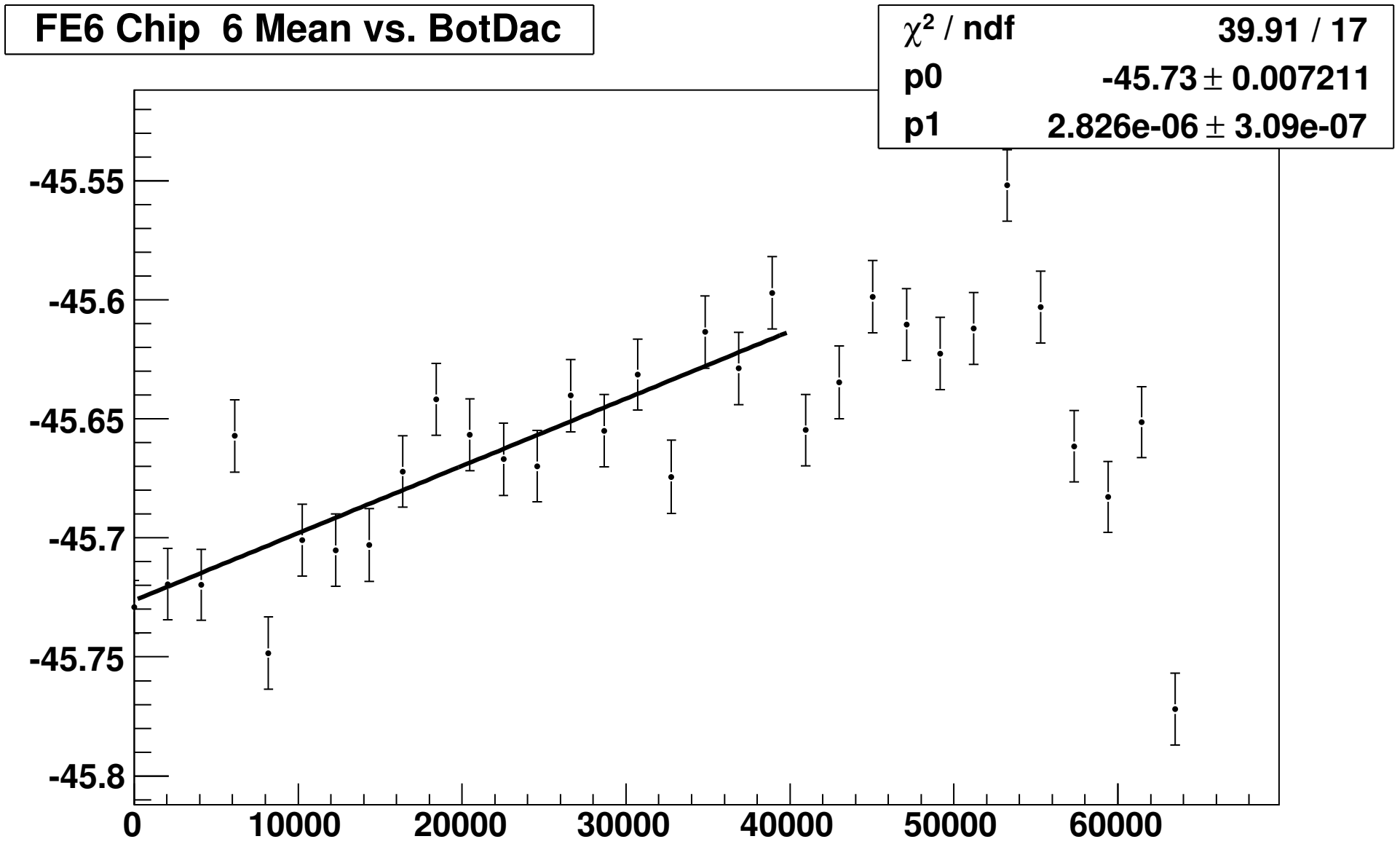

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 21.45 / 17
p0 1.419 ± 0.002454
p1 -2.02e-13 ± 3.833e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000

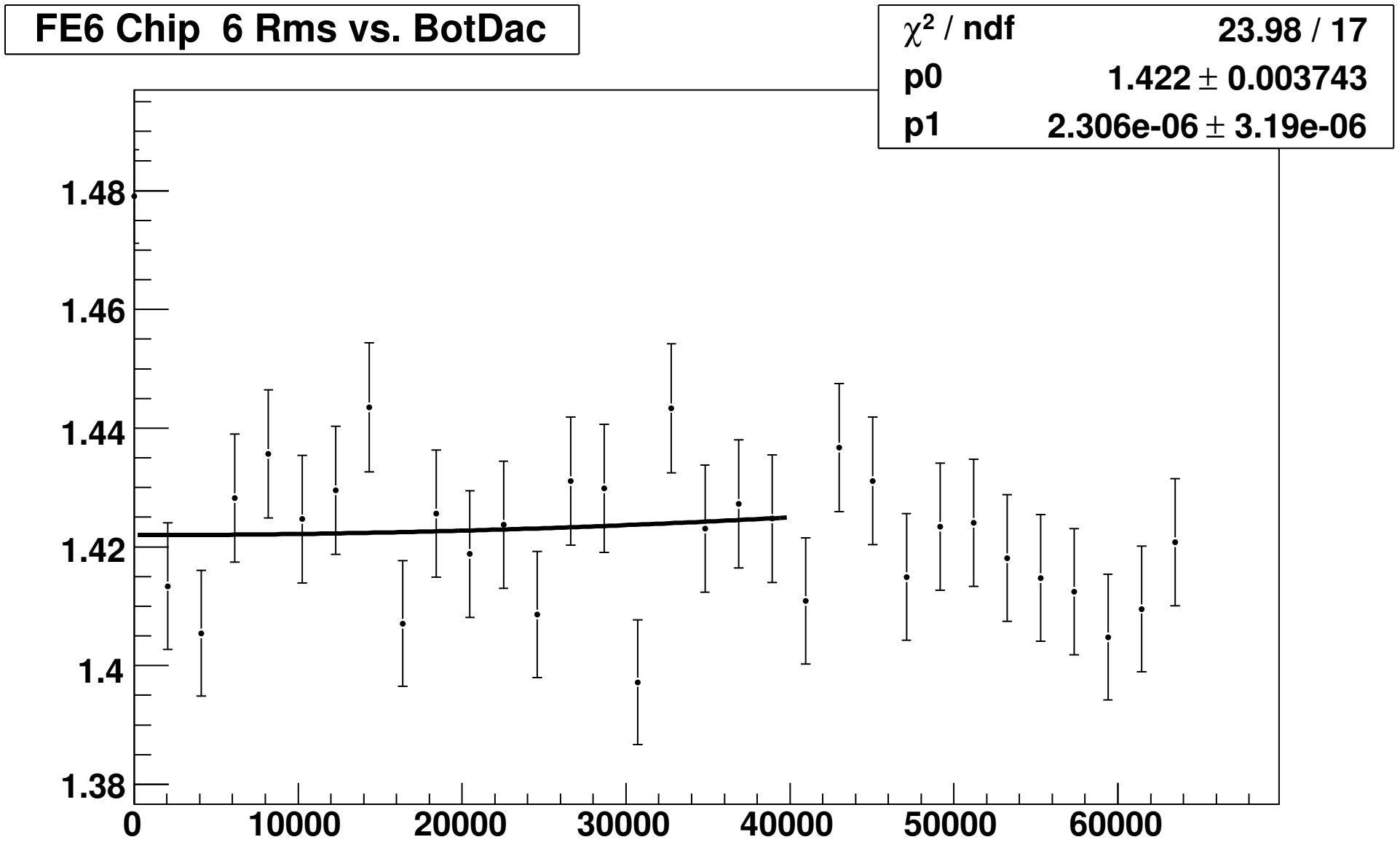

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 4.061e+04 / 17
p0 20.59 ± 0.007761
p1 0.4505 ± 3.621e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

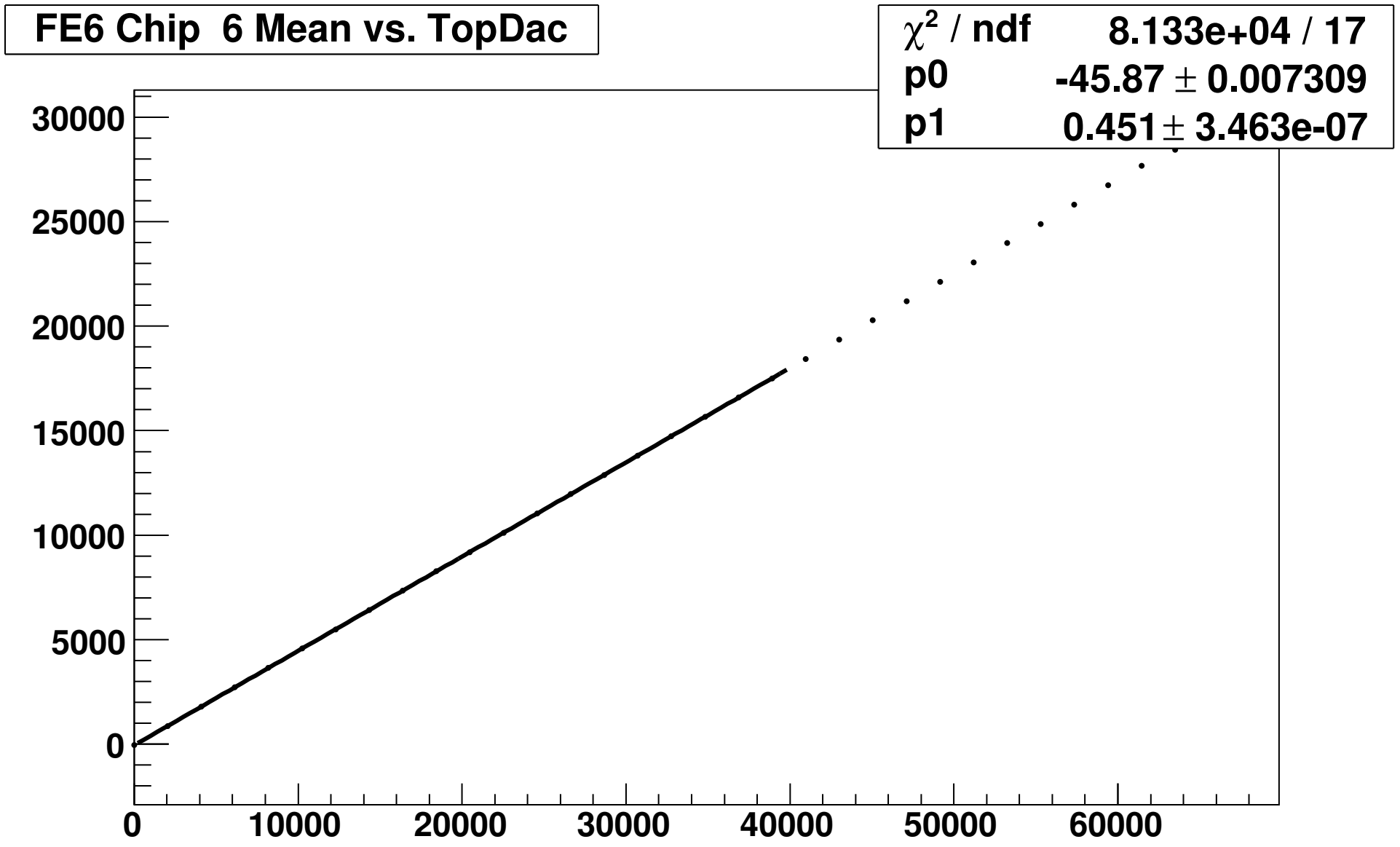

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 207 / 17
p0 1.433 ± 0.004199
p1 3.358e-05 ± 3.203e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

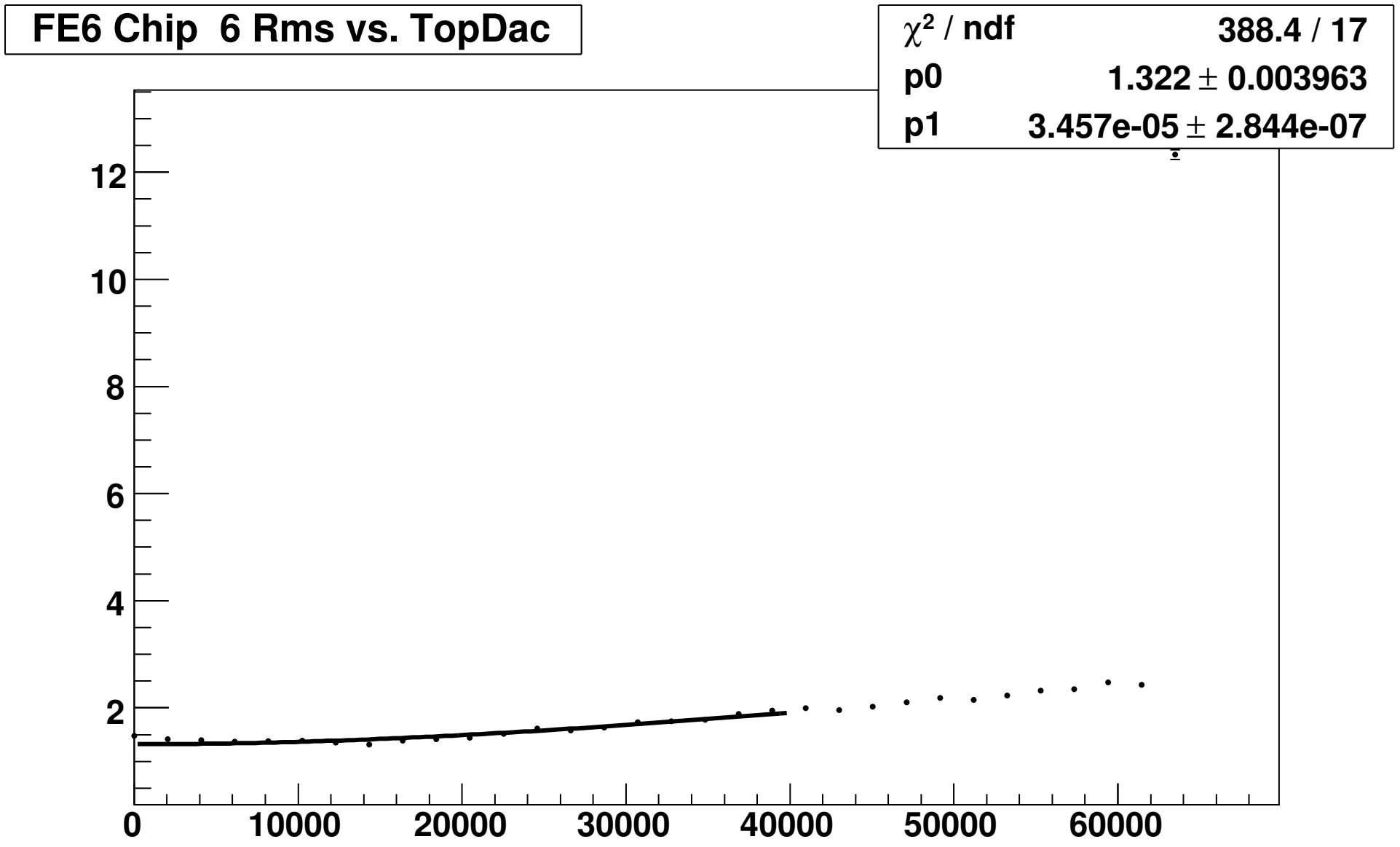

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 80.05 / 17
p0 19.14 ± 0.007671
p1 1.304e-06 ± 3.284e-07
19.3
19.25
19.2
19.15
19.1
0
10000
20000
30000
40000
50000
60000

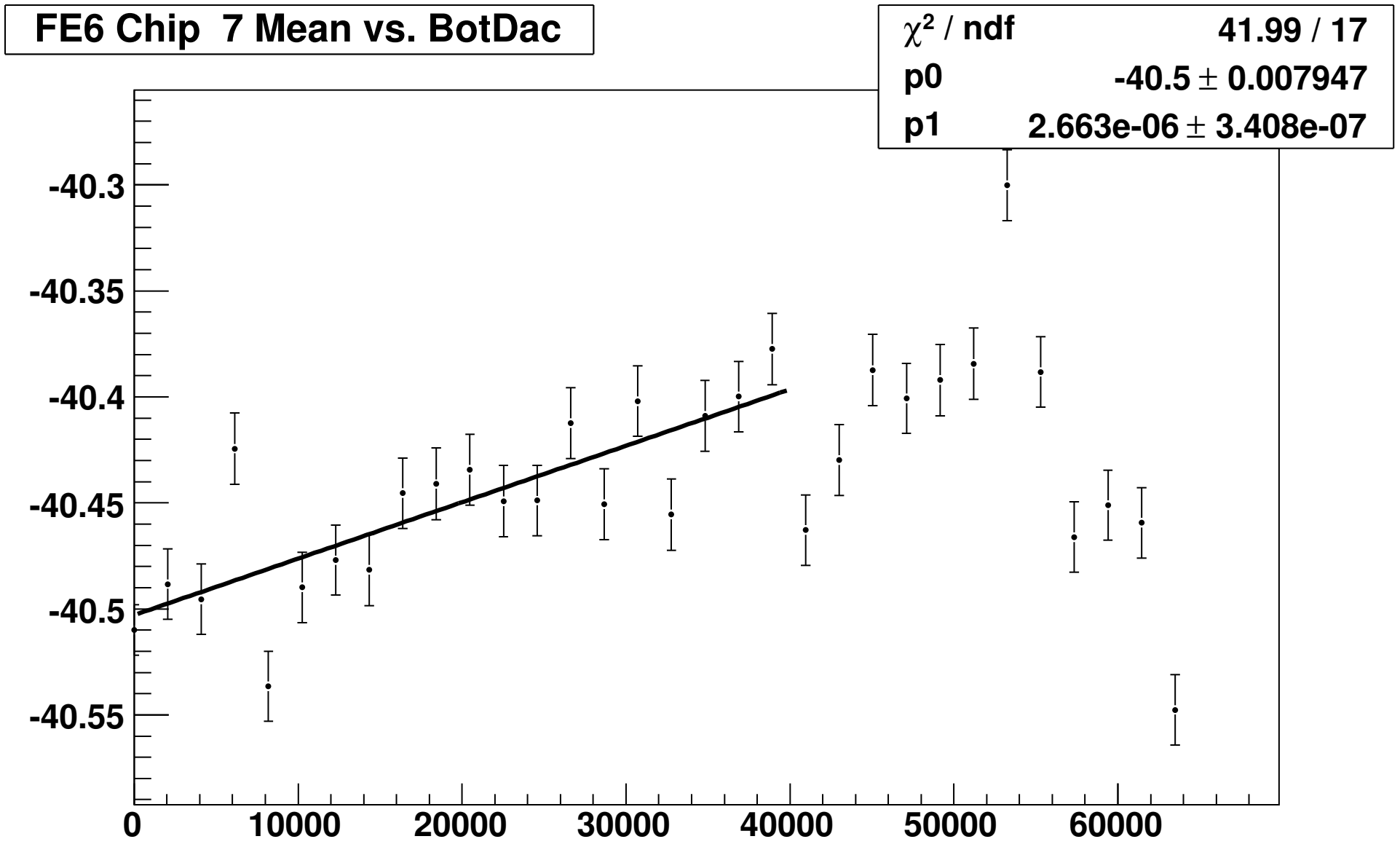

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 15.66 / 17
p0 1.512 ± 0.002611
p1 -1.397e-12 ± 5.725e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000

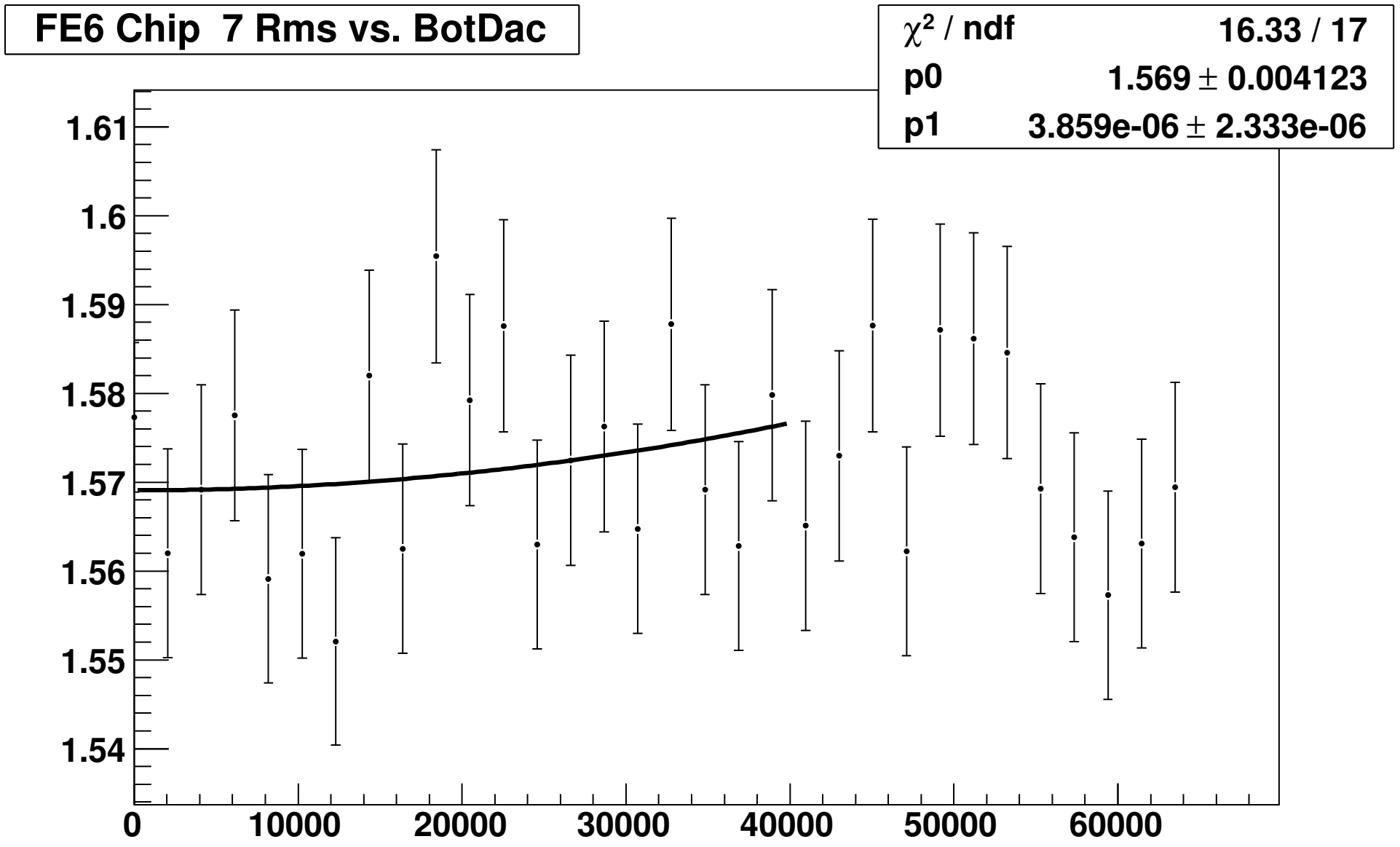

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 39.91 / 17
p0 -45.73 ± 0.007211
p1 2.826e-06 ± 3.09e-07
-45.55
-45.6
-45.65
-45.7
-45.75
-45.8
0
10000
20000
30000
40000
50000
60000

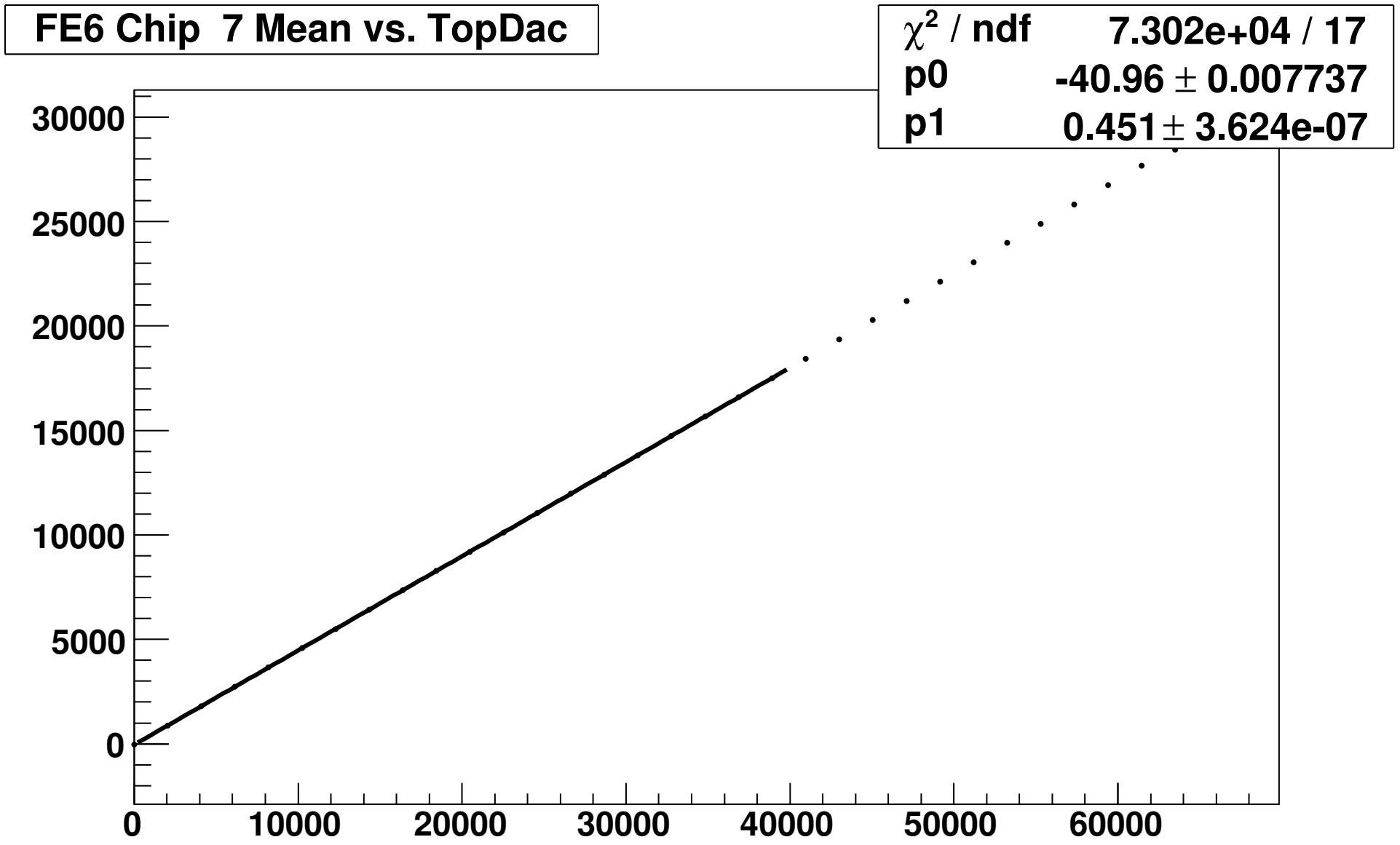

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 23.98 / 17
p0 1.422 ± 0.003743
p1 2.306e-06 ± 3.19e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

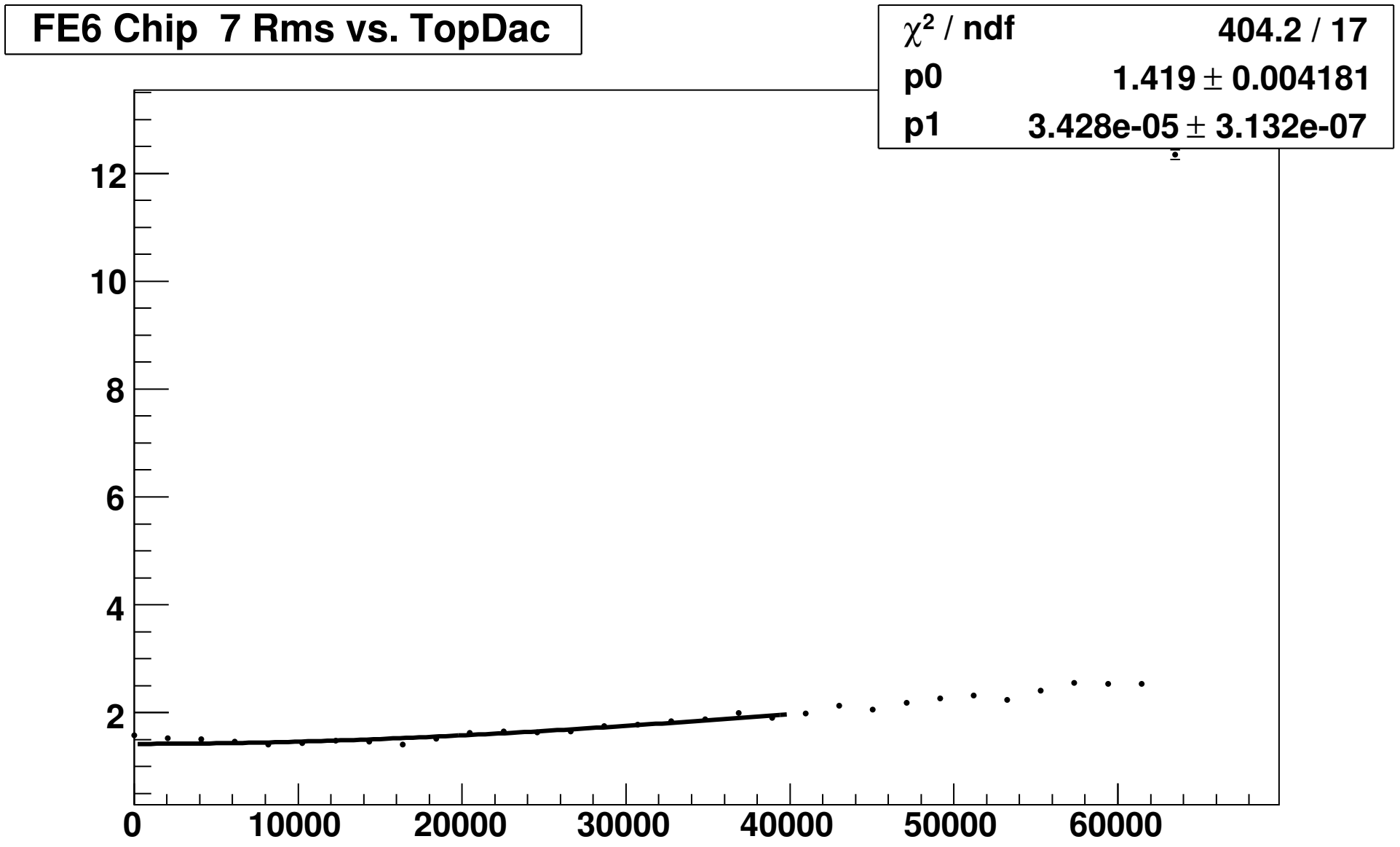

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 8.133e+04 / 17
p0 -45.87 ± 0.007309
p1 0.451 ± 3.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

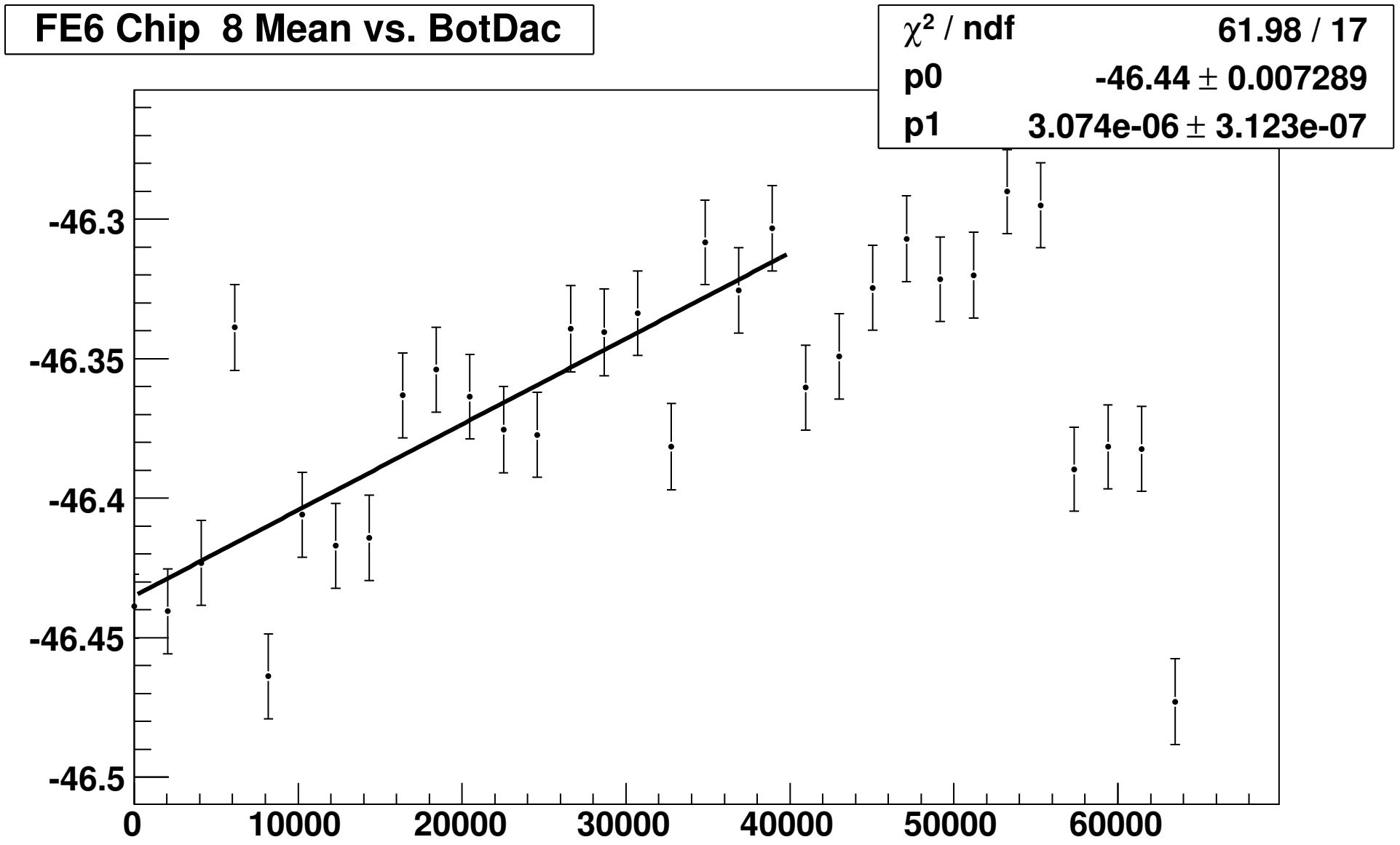

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 388.4 / 17
p0 1.322 ± 0.003963
p1 3.457e-05 ± 2.844e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

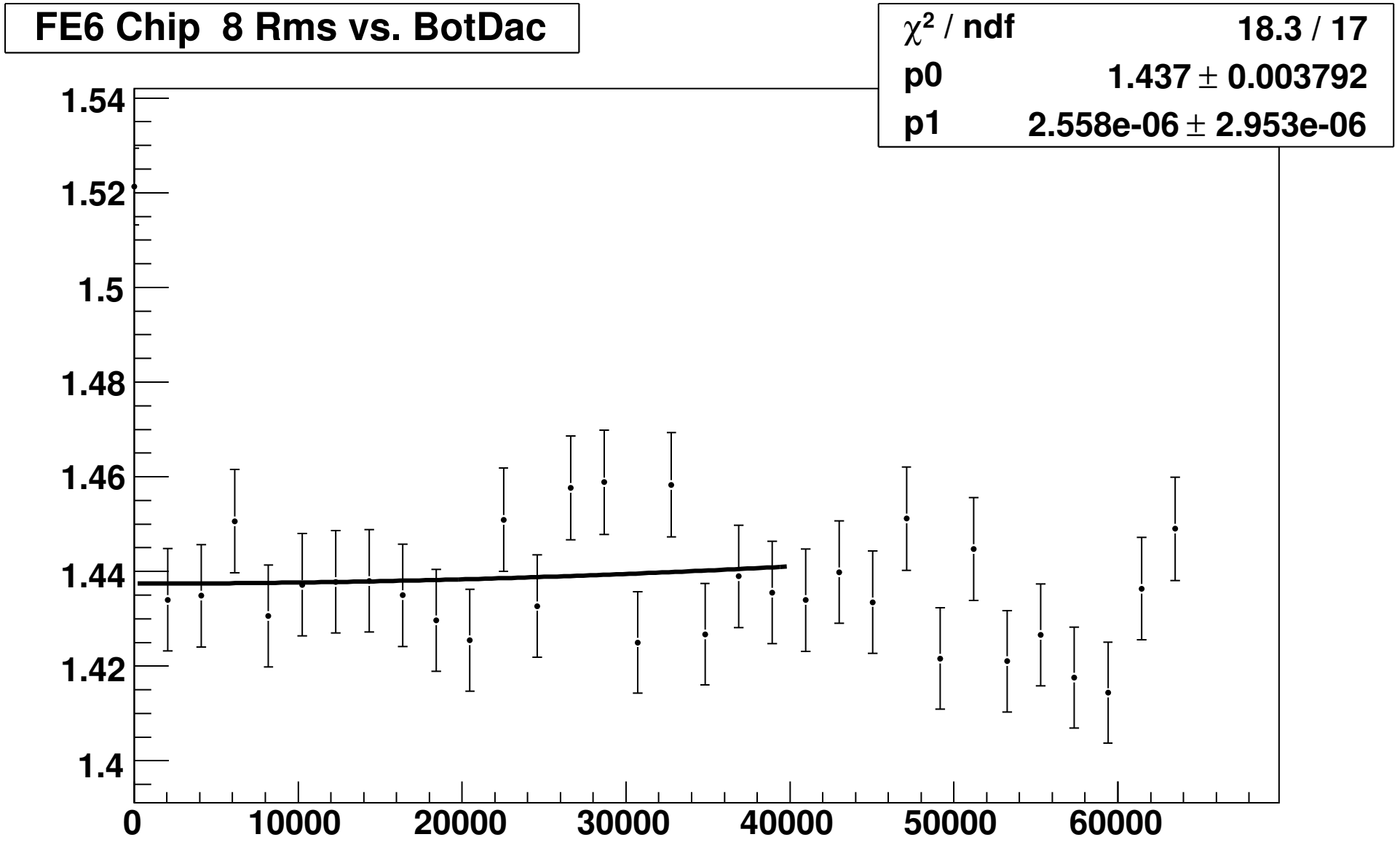

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 41.99 / 17
p0 -40.5 ± 0.007947
p1 2.663e-06 ± 3.408e-07
-40.3
-40.35
-40.4
-40.45
-40.5
-40.55
0
10000
20000
30000
40000
50000
60000

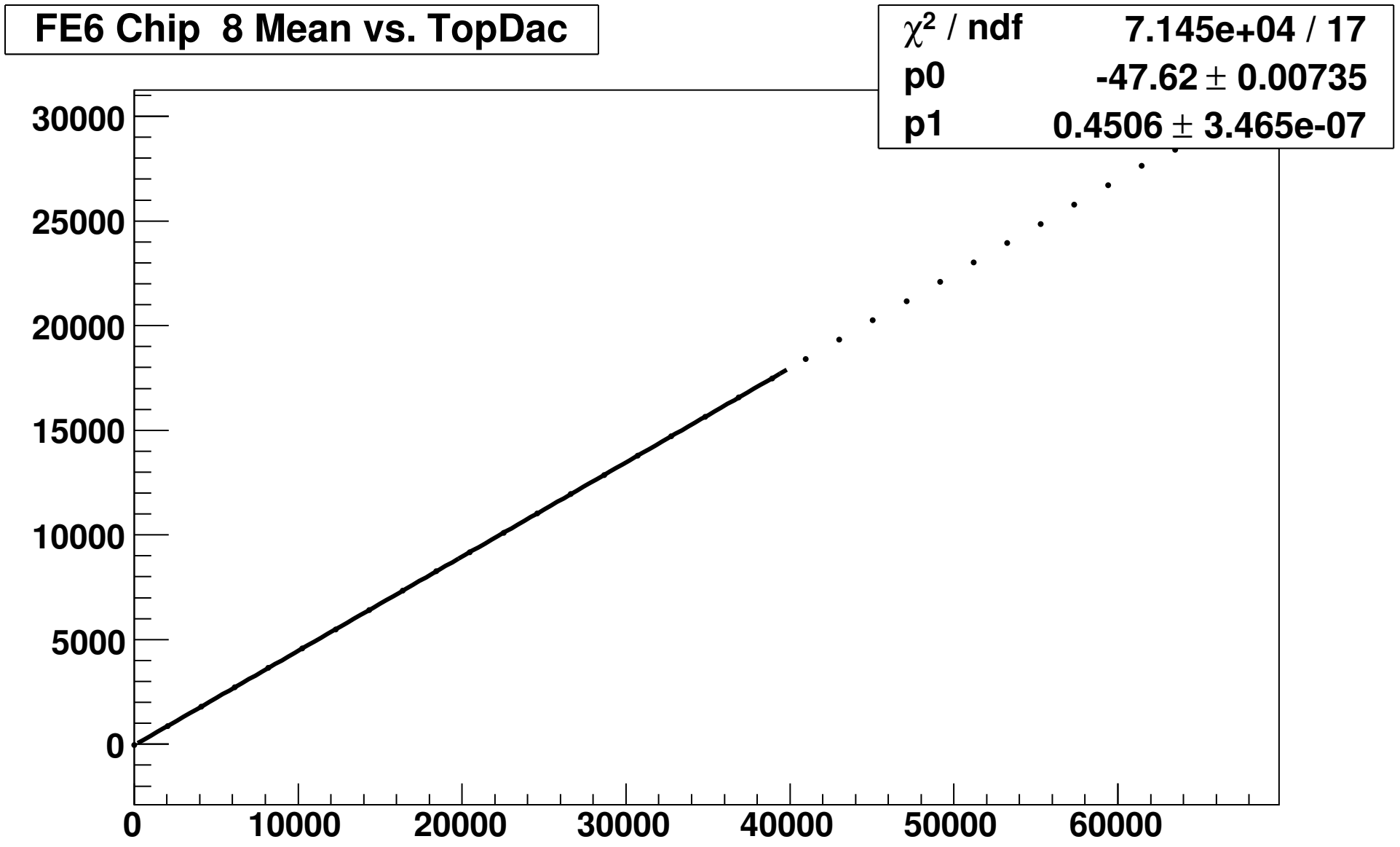

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 16.33 / 17
p0 1.569 ± 0.004123
p1 3.859e-06 ± 2.333e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 7.302e+04 / 17
p0 -40.96 ± 0.007737
p1 0.451 ± 3.624e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 404.2 / 17
p0 1.419 ± 0.004181
p1 3.428e-05 ± 3.132e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 61.98 / 17
p0 -46.44 ± 0.007289
p1 3.074e-06 ± 3.123e-07
-46.3
-46.35
-46.4
-46.45
-46.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 18.3 / 17
p0 1.437 ± 0.003792
p1 2.558e-06 ± 2.953e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 7.145e+04 / 17
p0 -47.62 ± 0.00735
p1 0.4506 ± 3.465e-07
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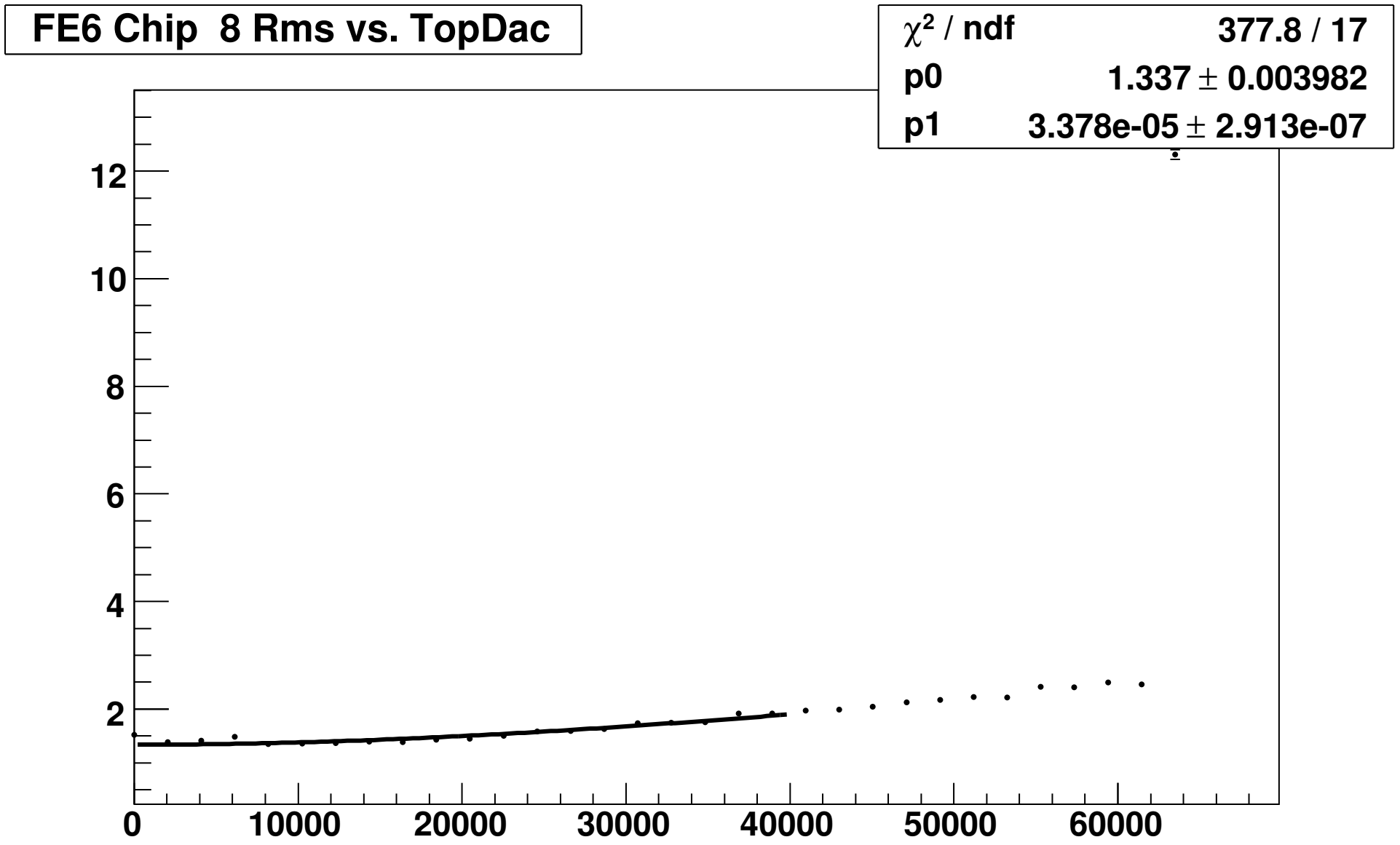
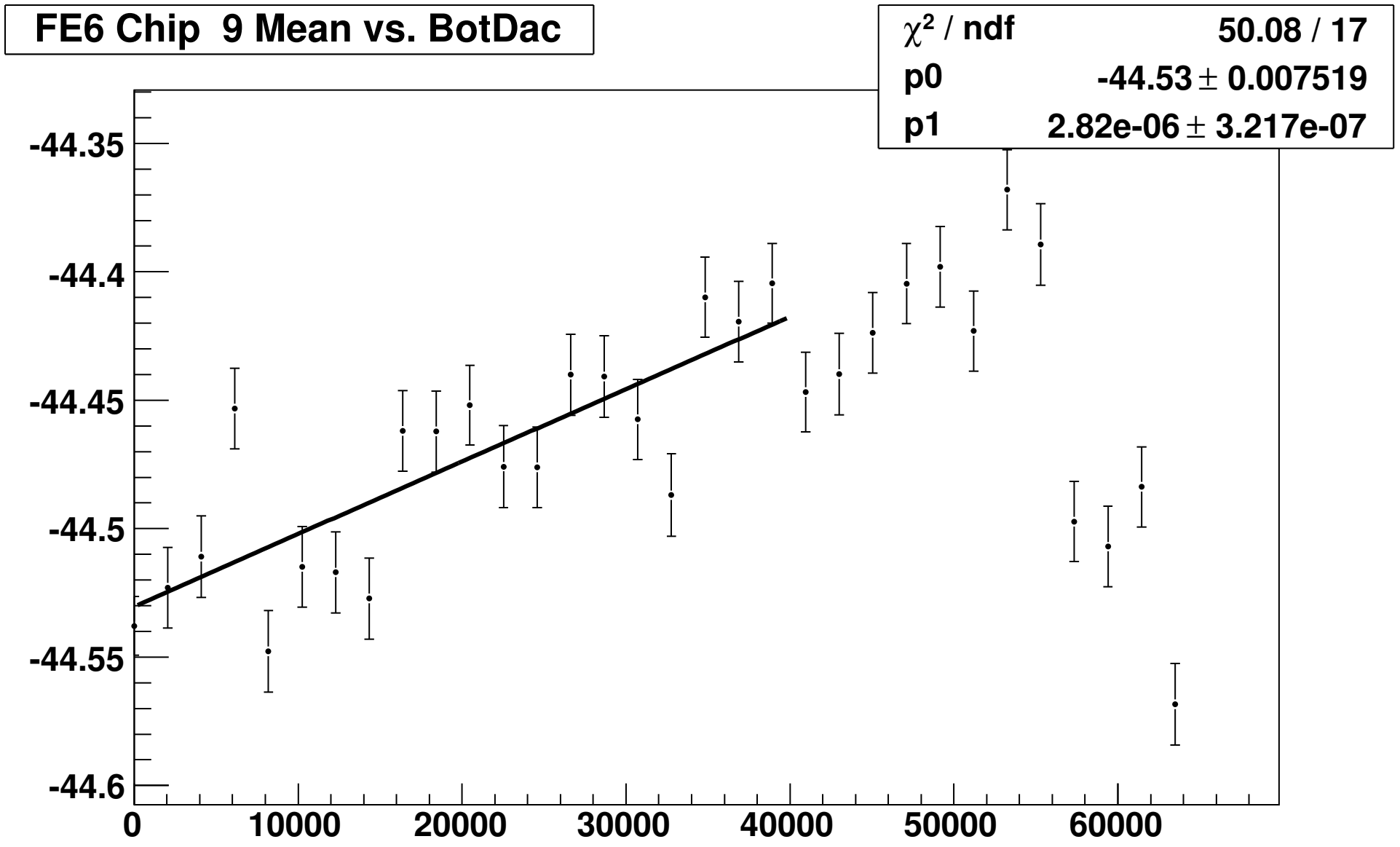
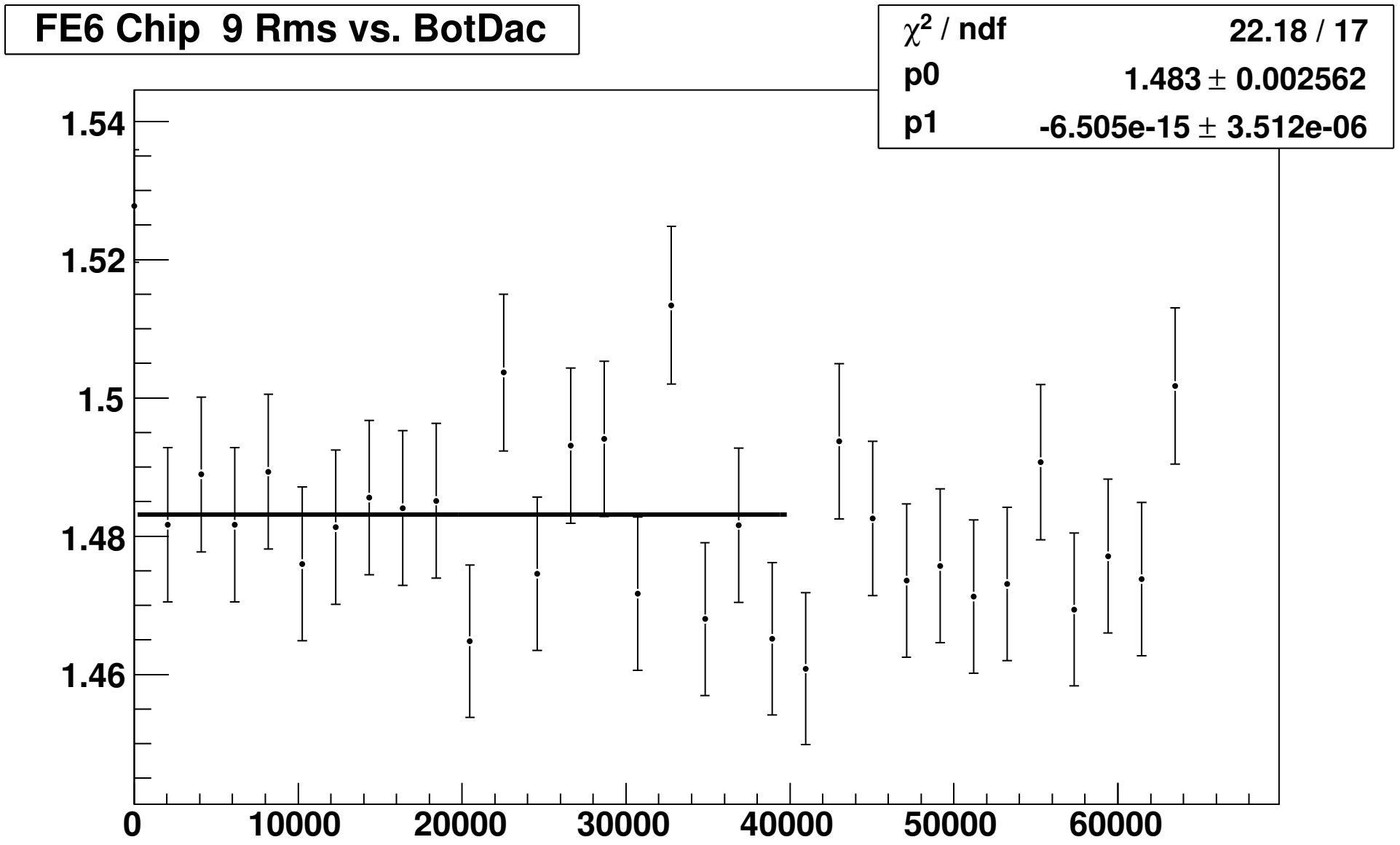
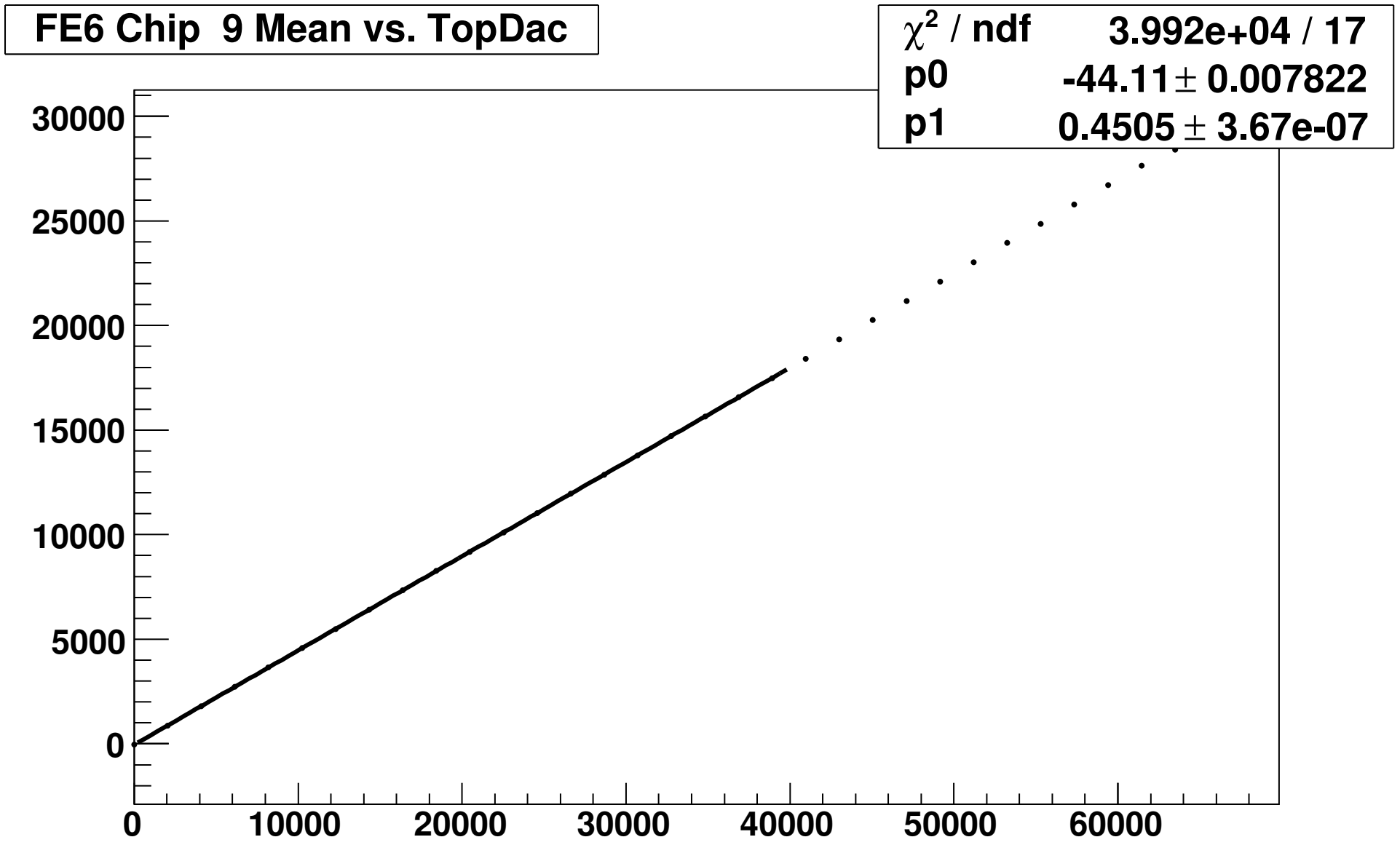
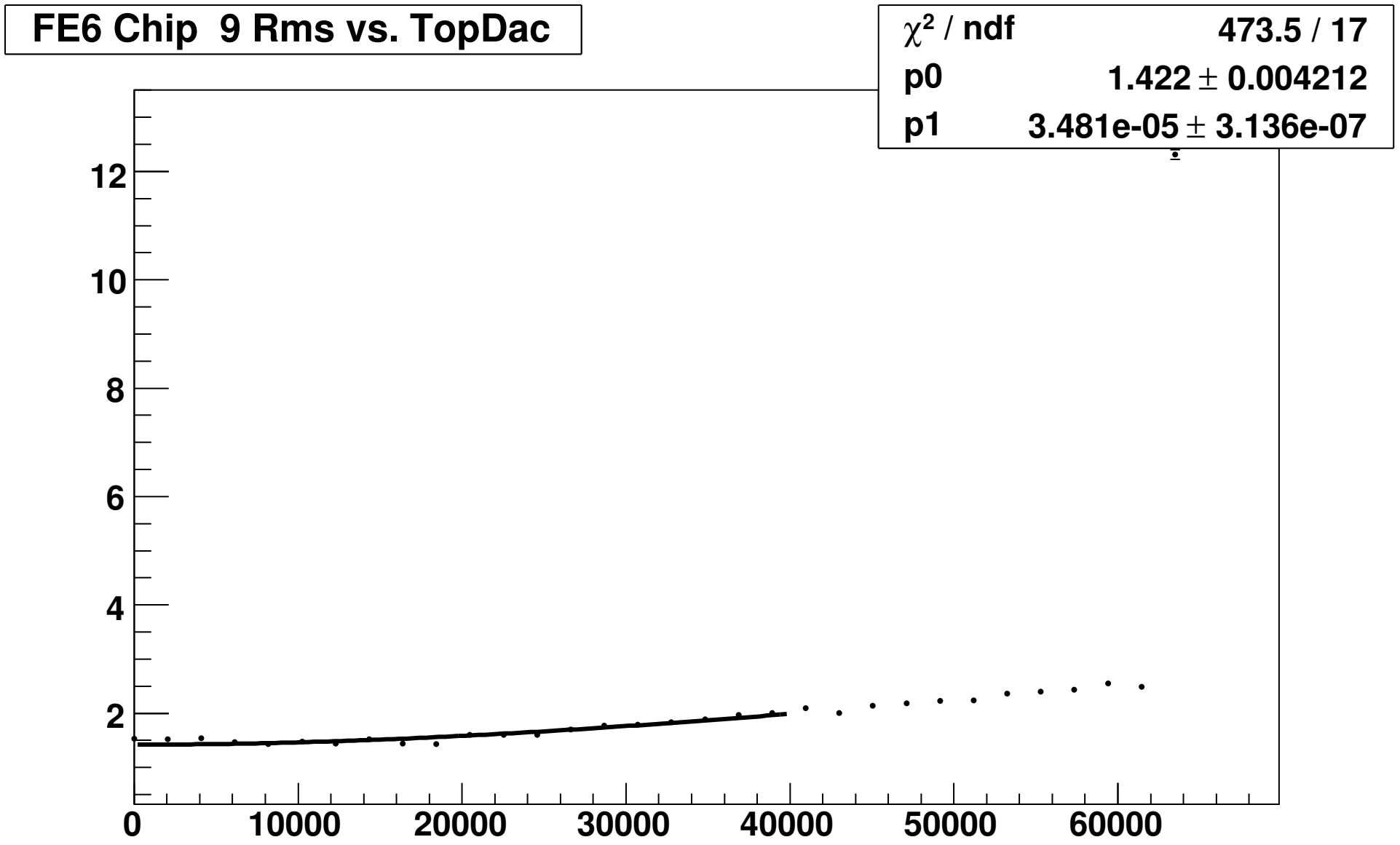
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

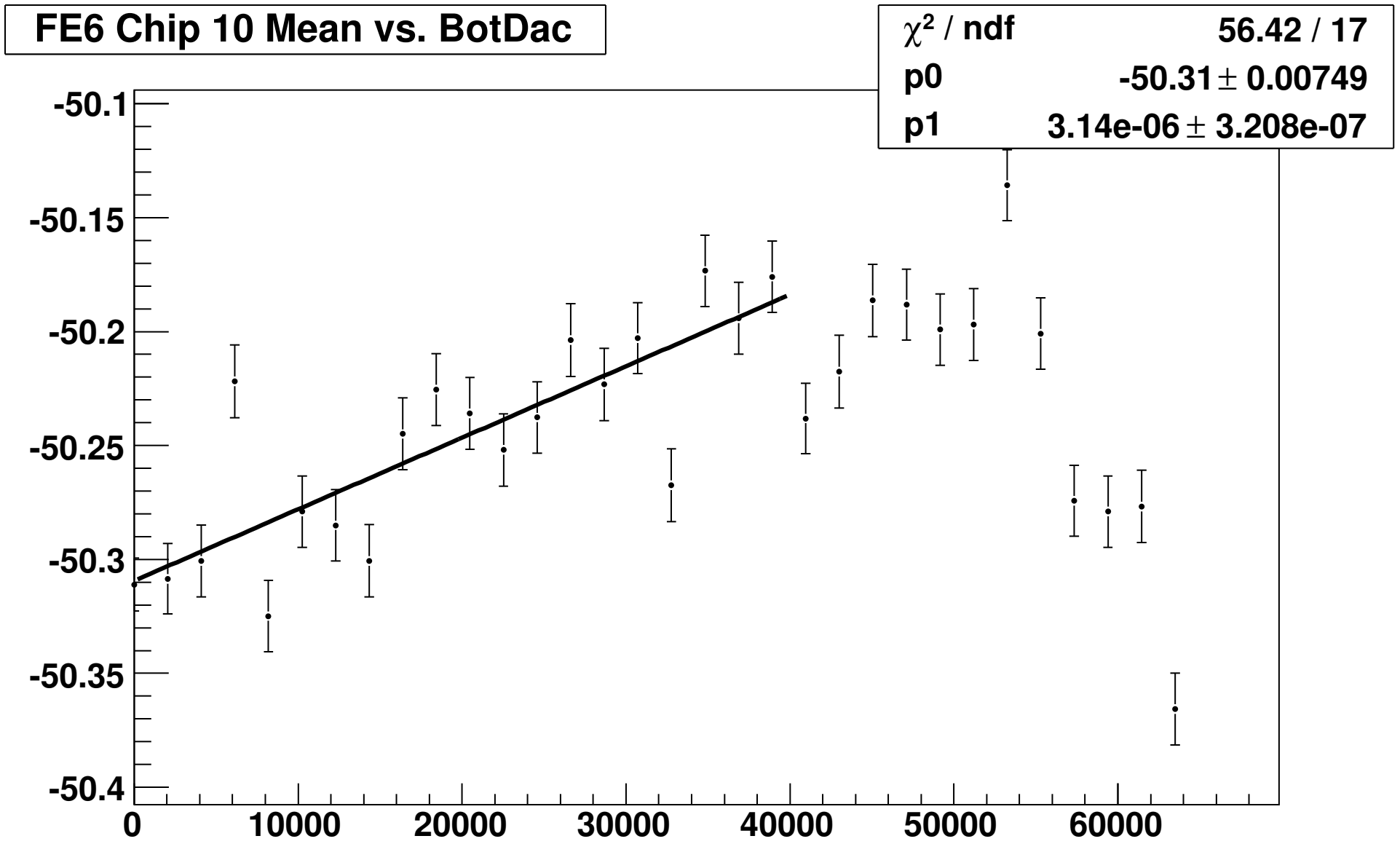

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 377.8 / 17
p0 1.337 ± 0.003982
p1 3.378e-05 ± 2.913e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

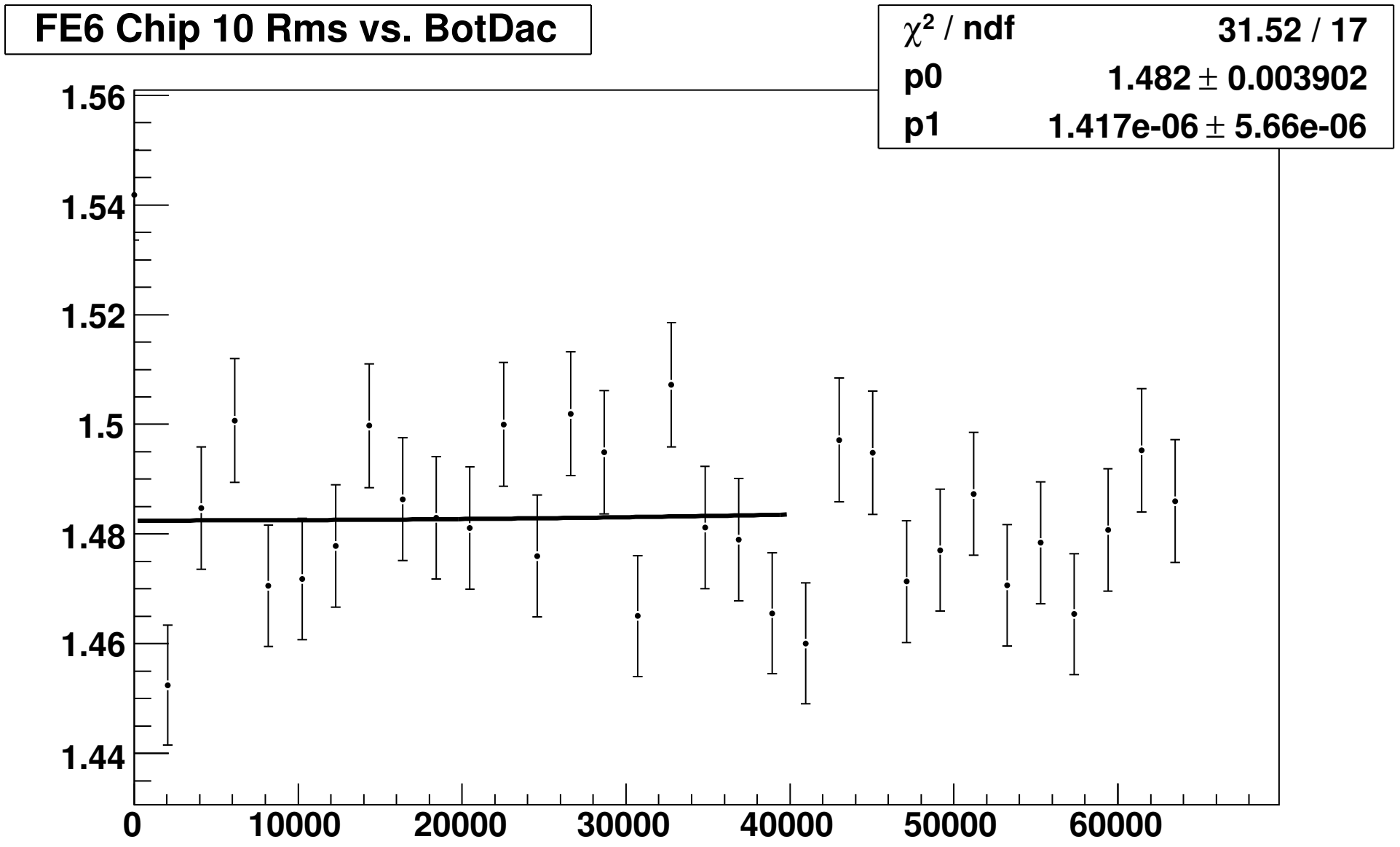

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 50.08 / 17
p0 -44.53 ± 0.007519
p1 2.82e-06 ± 3.217e-07
-44.35
-44.4
-44.45
-44.5
-44.55
-44.6
0
10000
20000
30000
40000
50000
60000

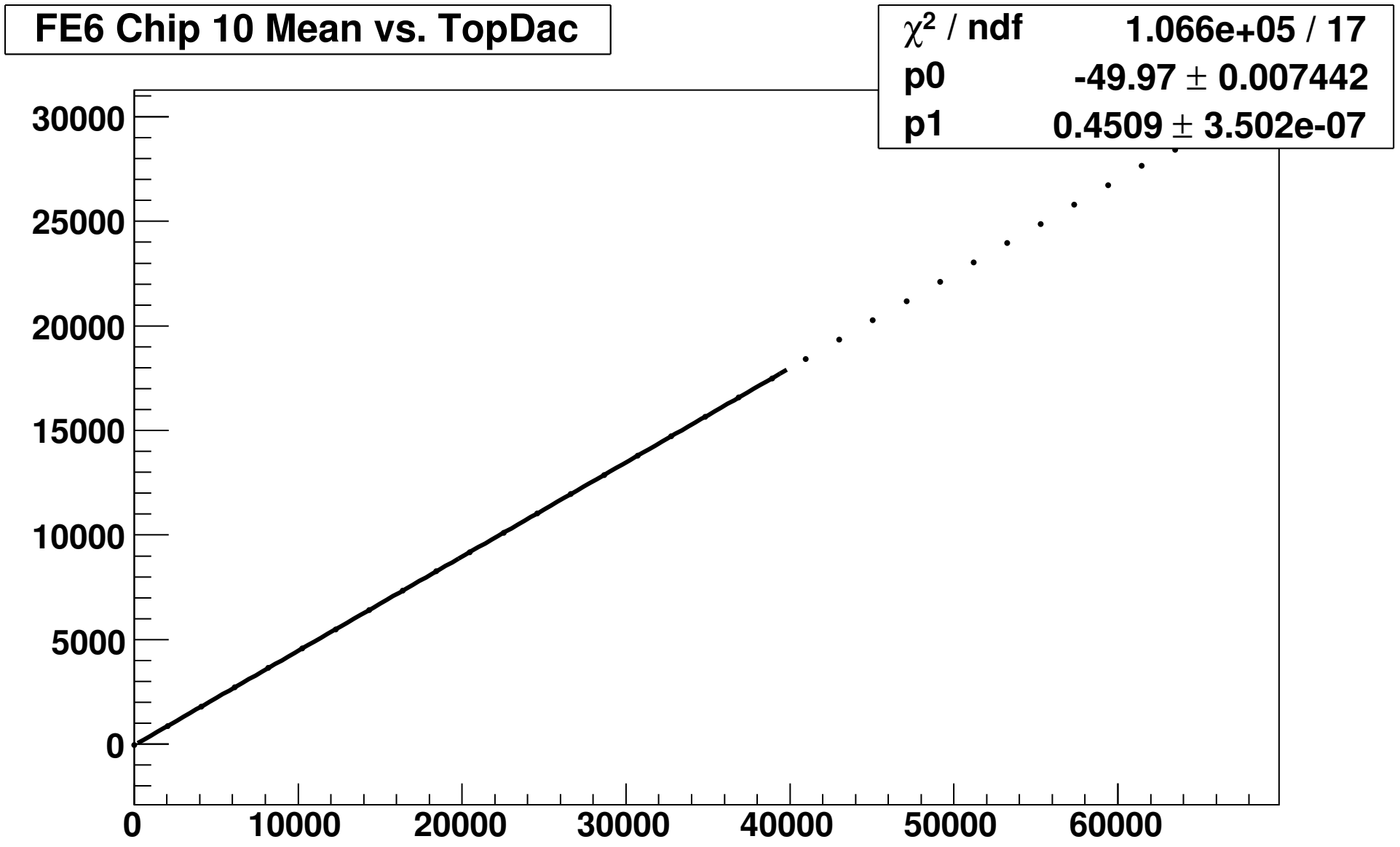

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 22.18 / 17
p0 1.483 ± 0.002562
p1 -6.505e-15 ± 3.512e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 3.992e+04 / 17
p0 -44.11 ± 0.007822
p1 0.4505 ± 3.67e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 473.5 / 17
p0 1.422 ± 0.004212
p1 3.481e-05 ± 3.136e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 56.42 / 17
p0 -50.31 ± 0.00749
p1 3.14e-06 ± 3.208e-07
-50.1
-50.15
-50.2
-50.25
-50.3
-50.35
-50.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 31.52 / 17
p0 1.482 ± 0.003902
p1 1.417e-06 ± 5.66e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.066e+05 / 17
p0 -49.97 ± 0.007442
p1 0.4509 ± 3.502e-07
30000
25000
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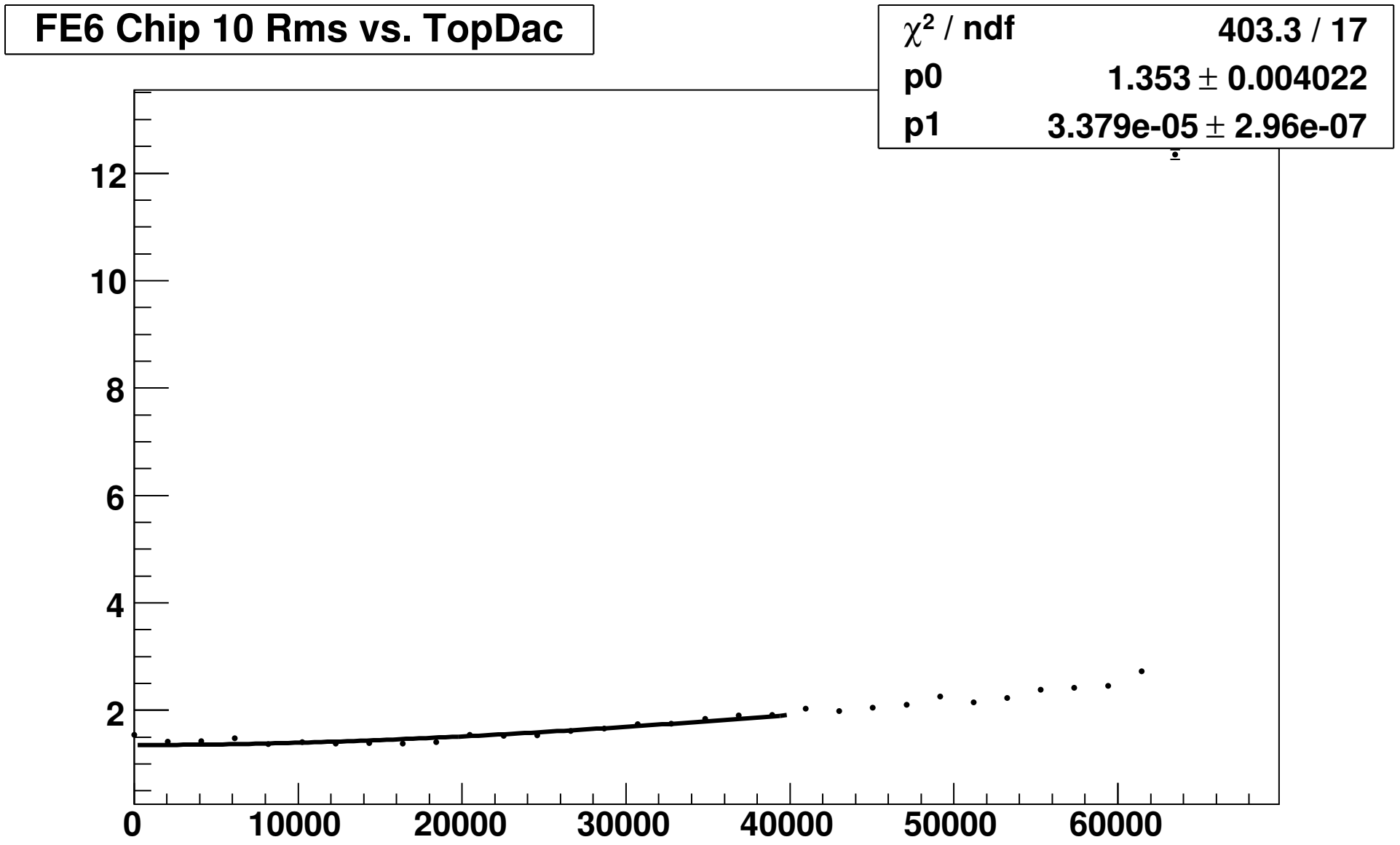
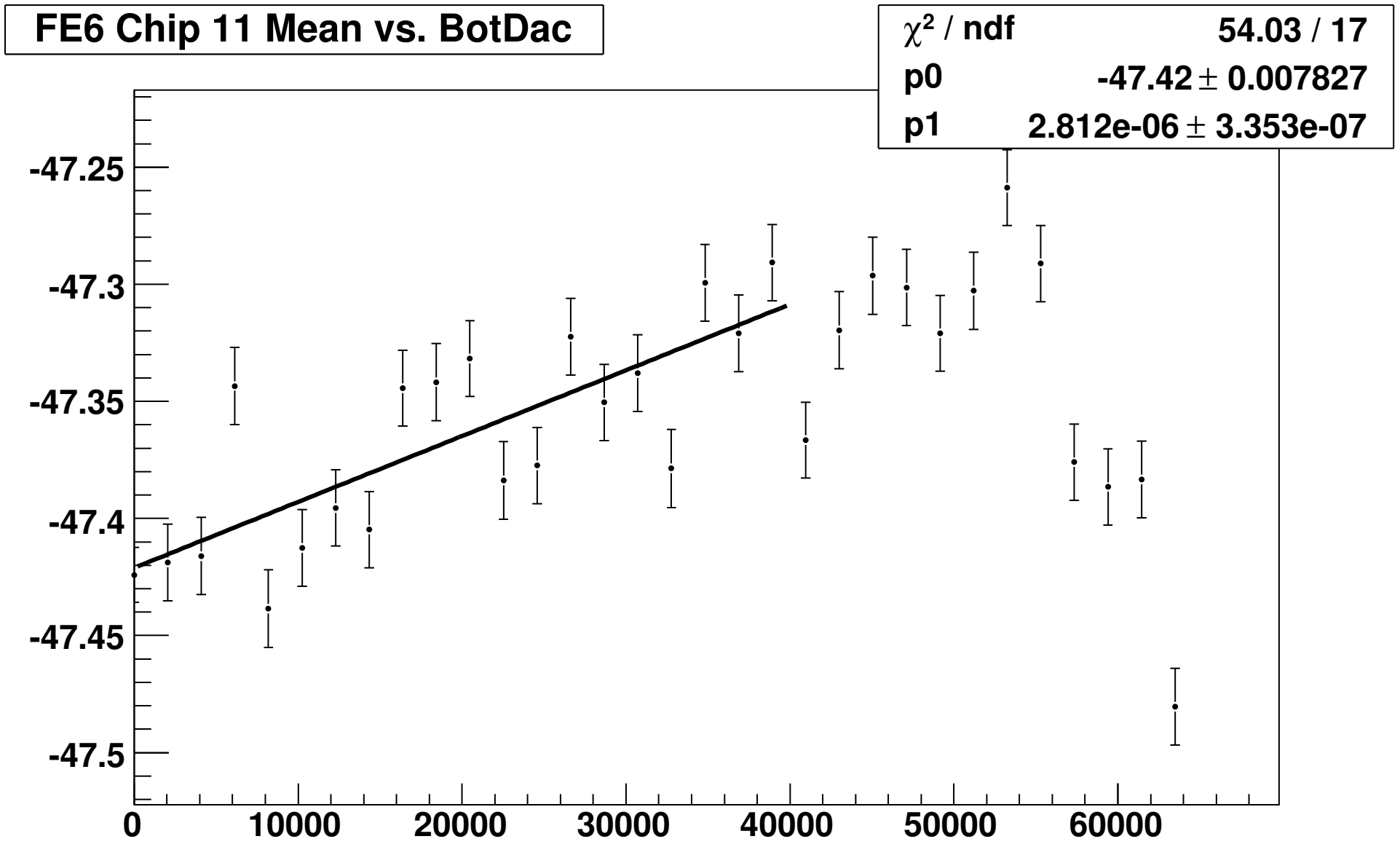
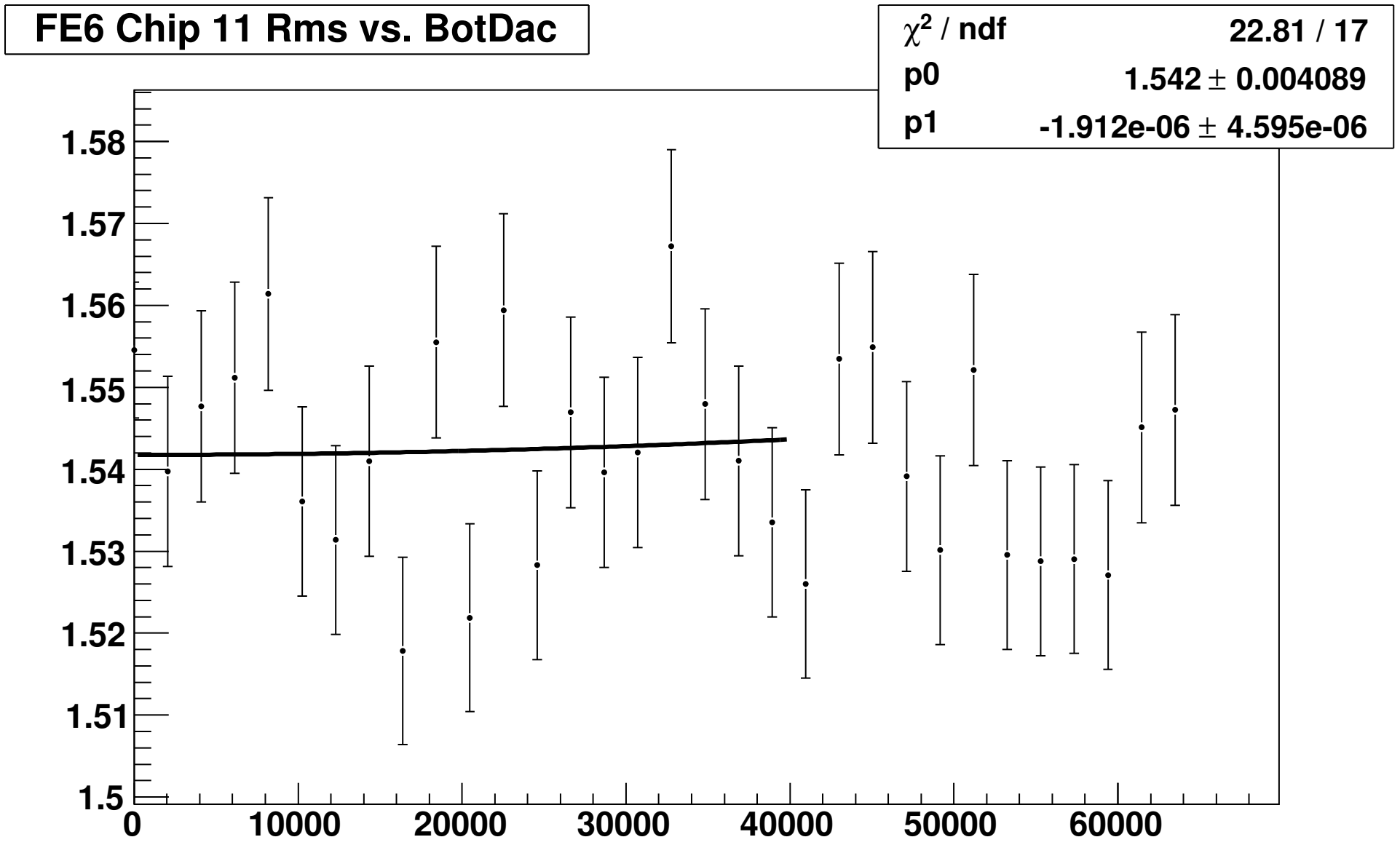
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 403.3 / 17
p0 1.353 ± 0.004022
p1 3.379e-05 ± 2.96e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 54.03 / 17
p0 -47.42 ± 0.007827
p1 2.812e-06 ± 3.353e-07
-47.25
-47.3
-47.35
-47.4
-47.45
-47.5
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 22.81 / 17
p0 1.542 ± 0.004089
p1 -1.912e-06 ± 4.595e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
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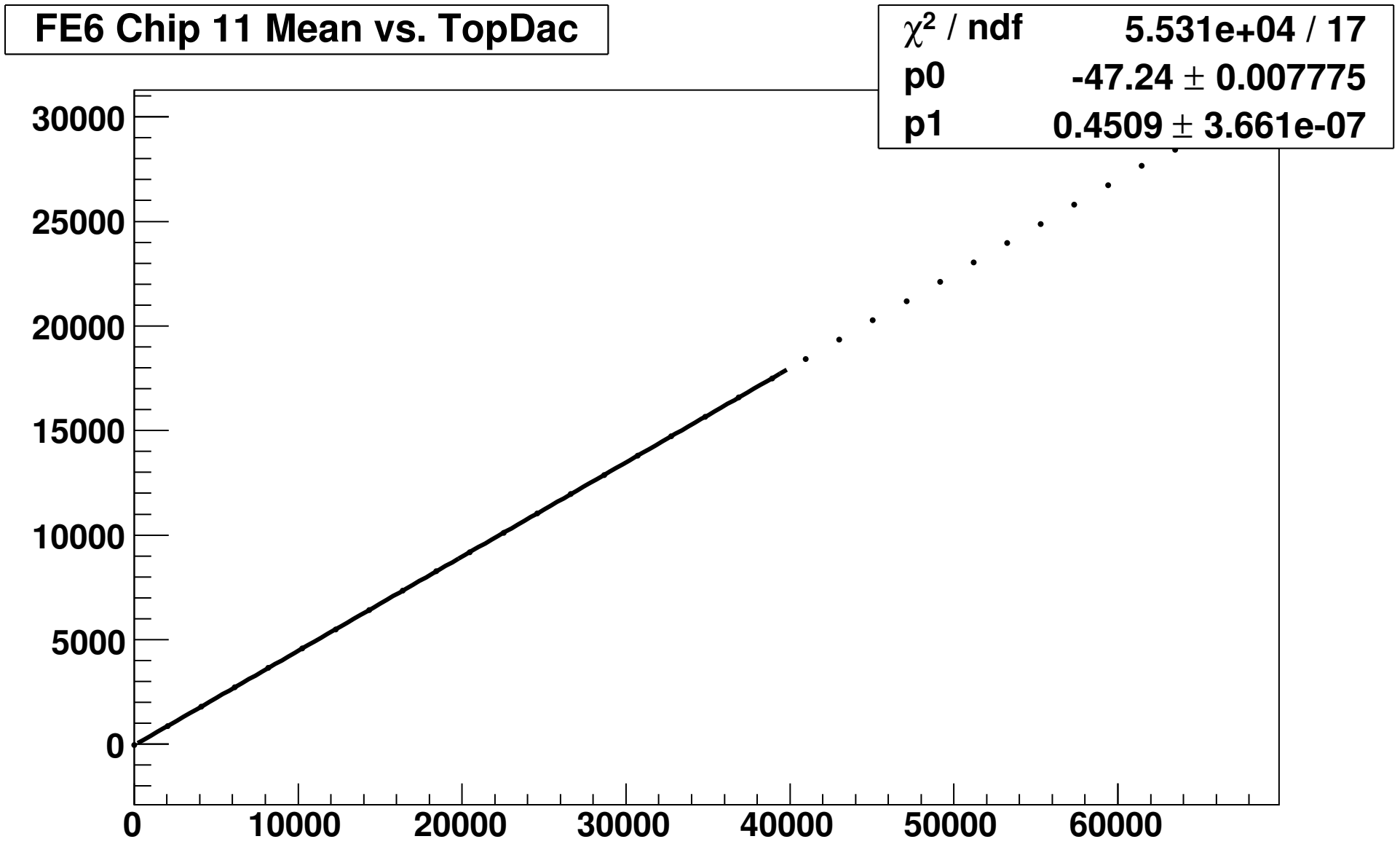
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 5.531e+04 / 17
p0 -47.24 ± 0.007775
p1 0.4509 ± 3.661e-07
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25000
20000
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0
0
10000
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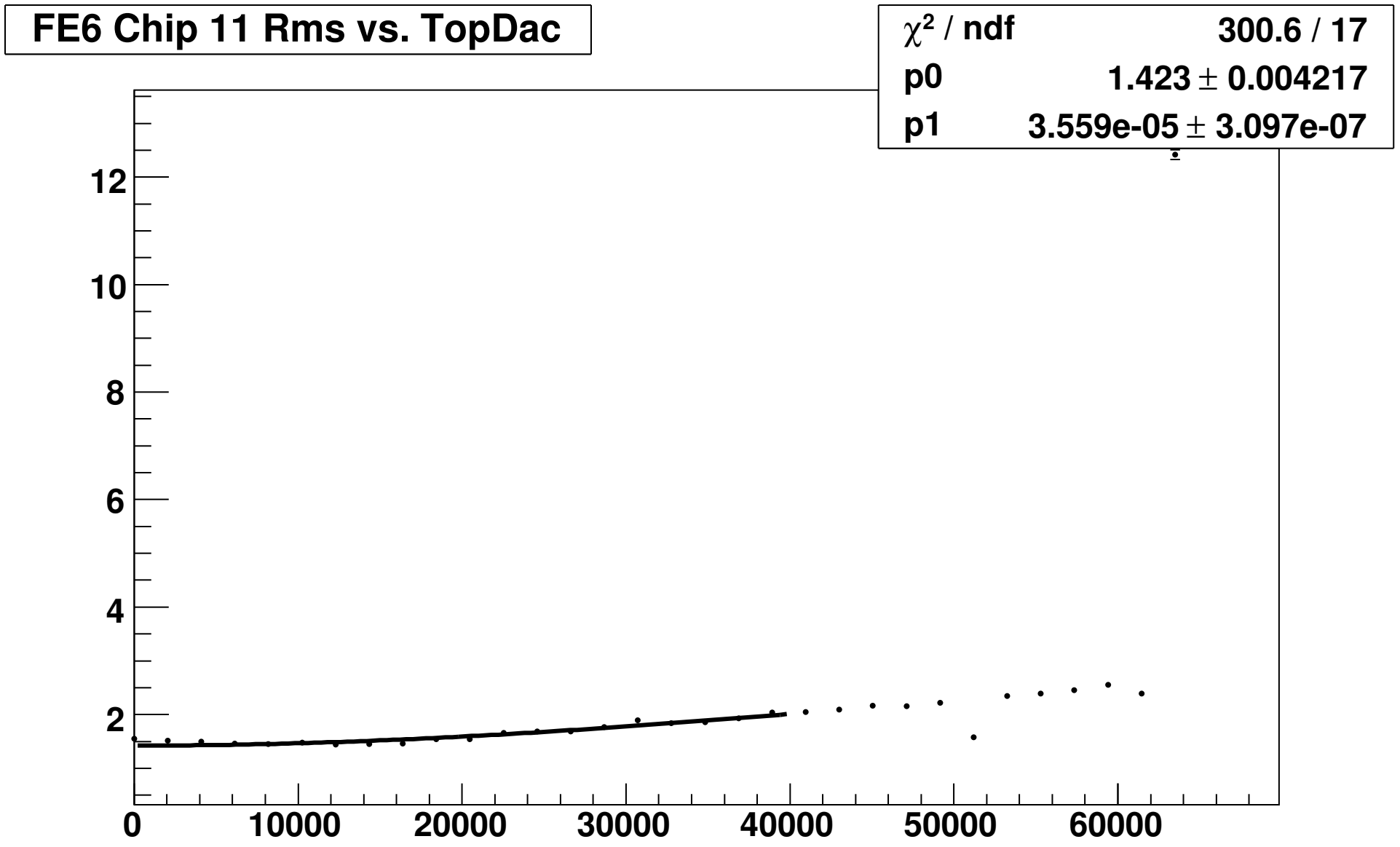
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 300.6 / 17
p0 1.423 ± 0.004217
p1 3.559e-05 ± 3.097e-07
12
10
8
6
4
2
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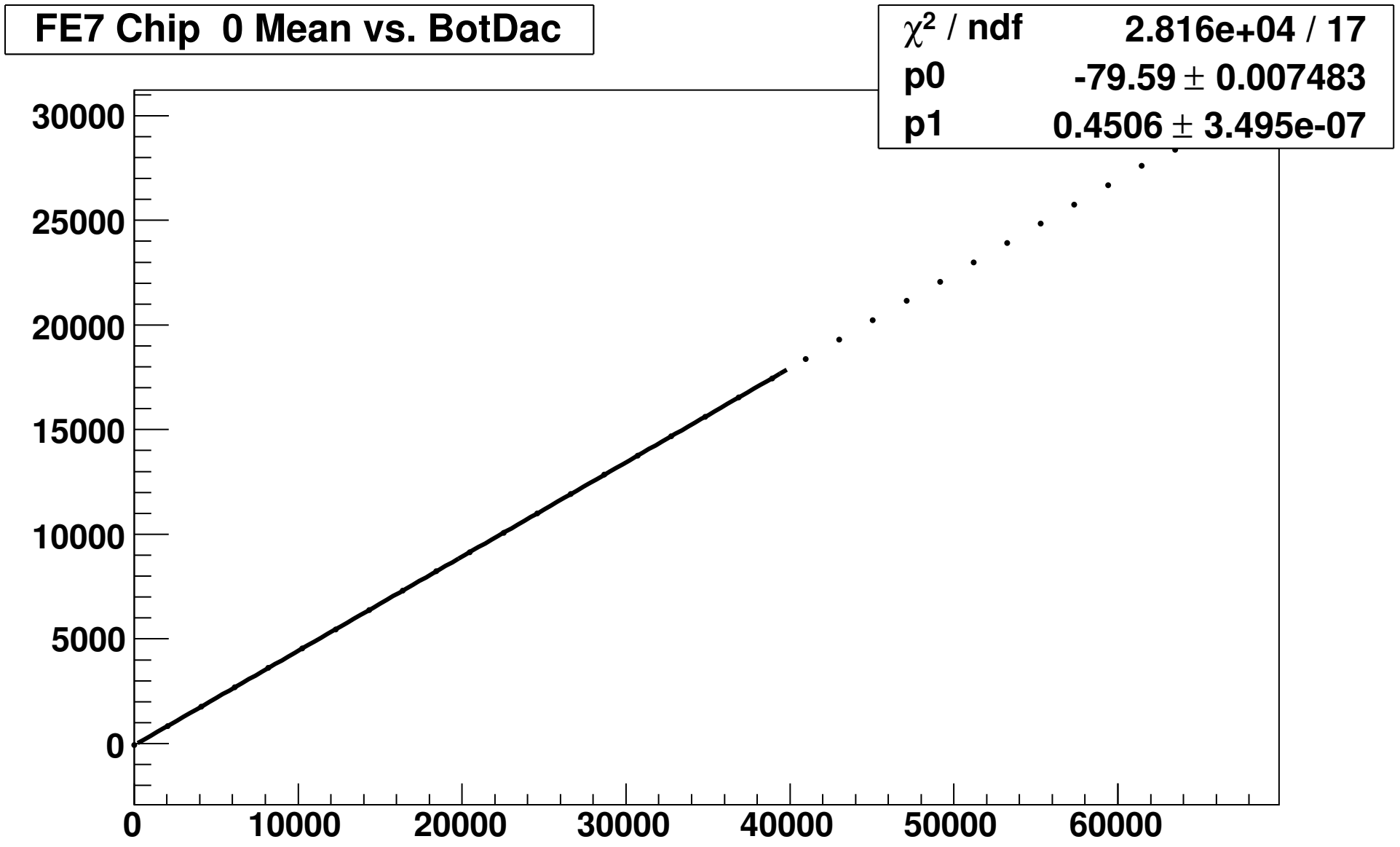
60000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 2.816e+04 / 17
p0 -79.59 ± 0.007483
p1 0.4506 ± 3.495e-07
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25000
20000
15000
10000
5000
0
0
10000
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40000
50000
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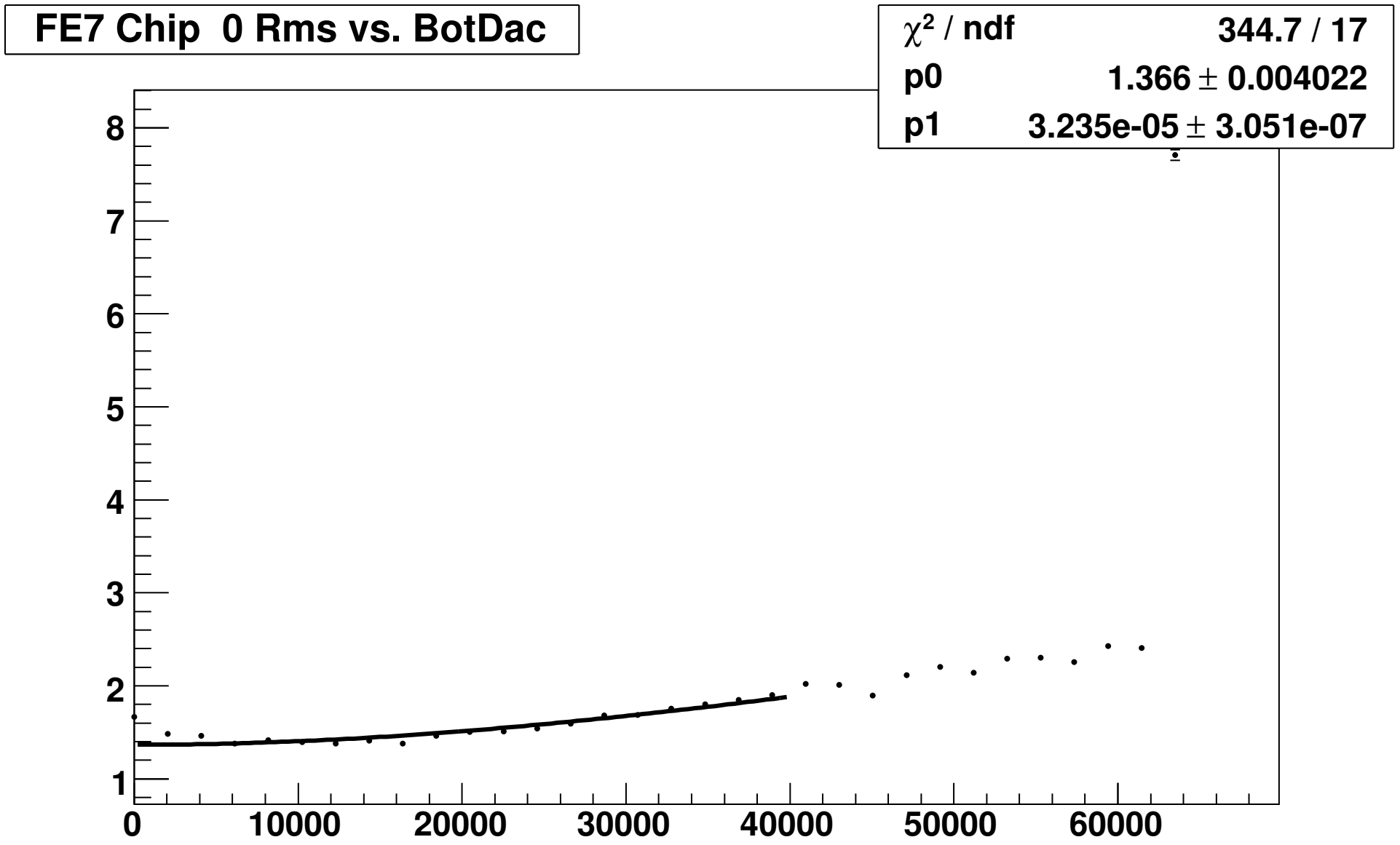
FE7 Chip 0 Rms vs. BotDac
χ² / ndf 344.7 / 17
p0 1.366 ± 0.004022
p1 3.235e-05 ± 3.051e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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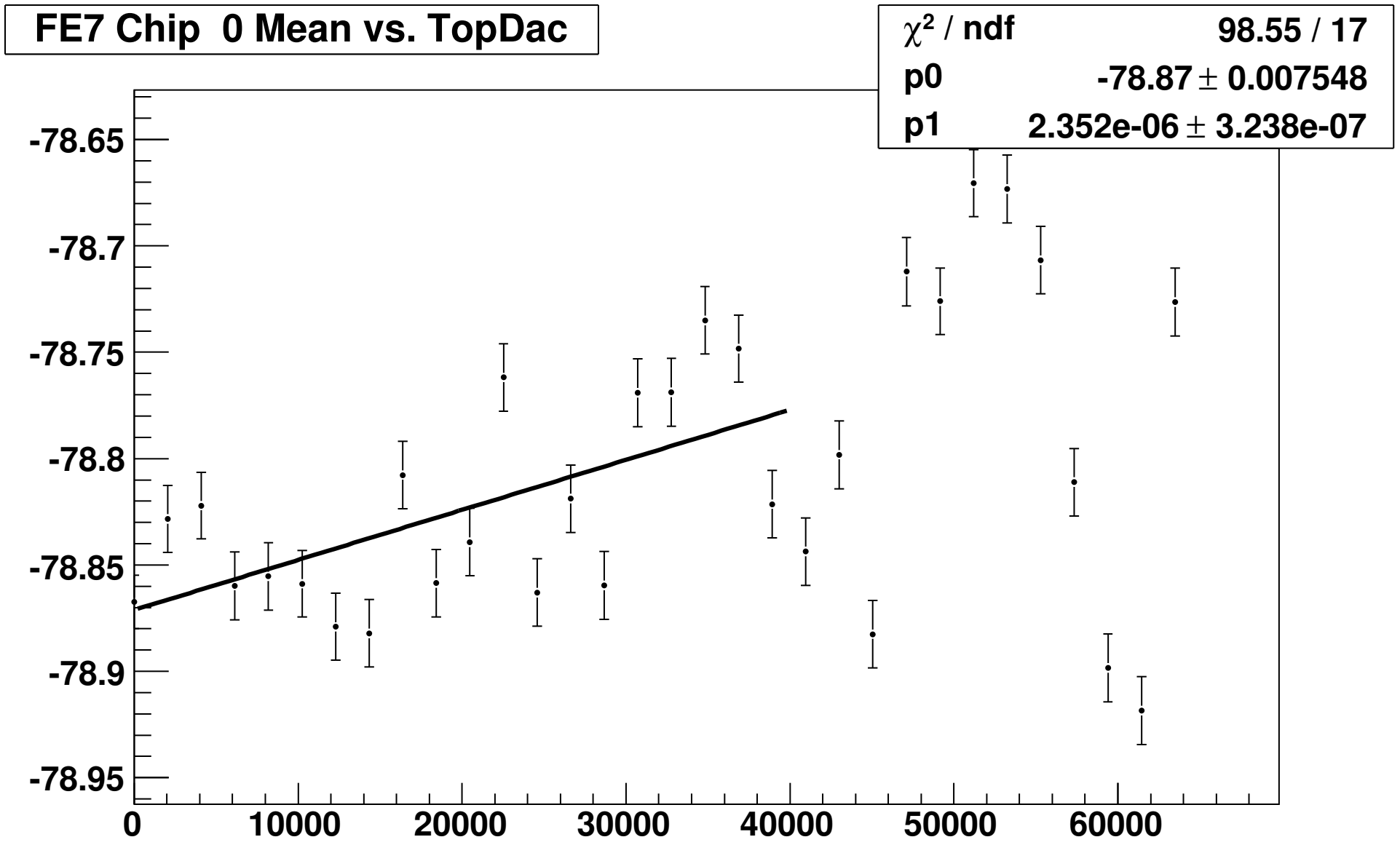
60000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 98.55 / 17
p0 -78.87 ± 0.007548
p1 2.352e-06 ± 3.238e-07
-78.65
-78.7
-78.75
-78.8
-78.85
-78.9
-78.95
0
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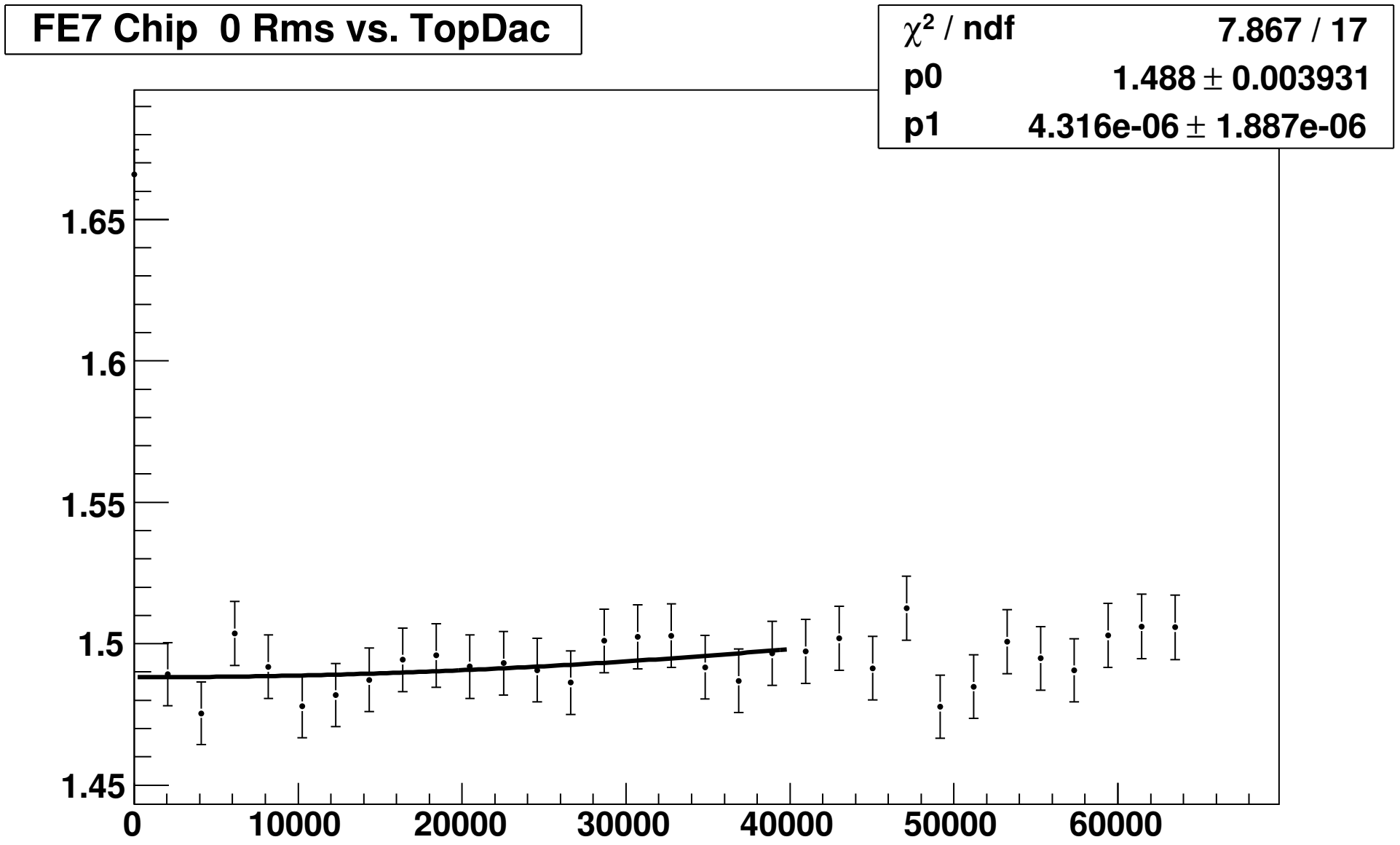
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 7.867 / 17
p0 1.488 ± 0.003931
p1 4.316e-06 ± 1.887e-06
1.65
1.6
1.55
1.5
1.45
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10000
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40000
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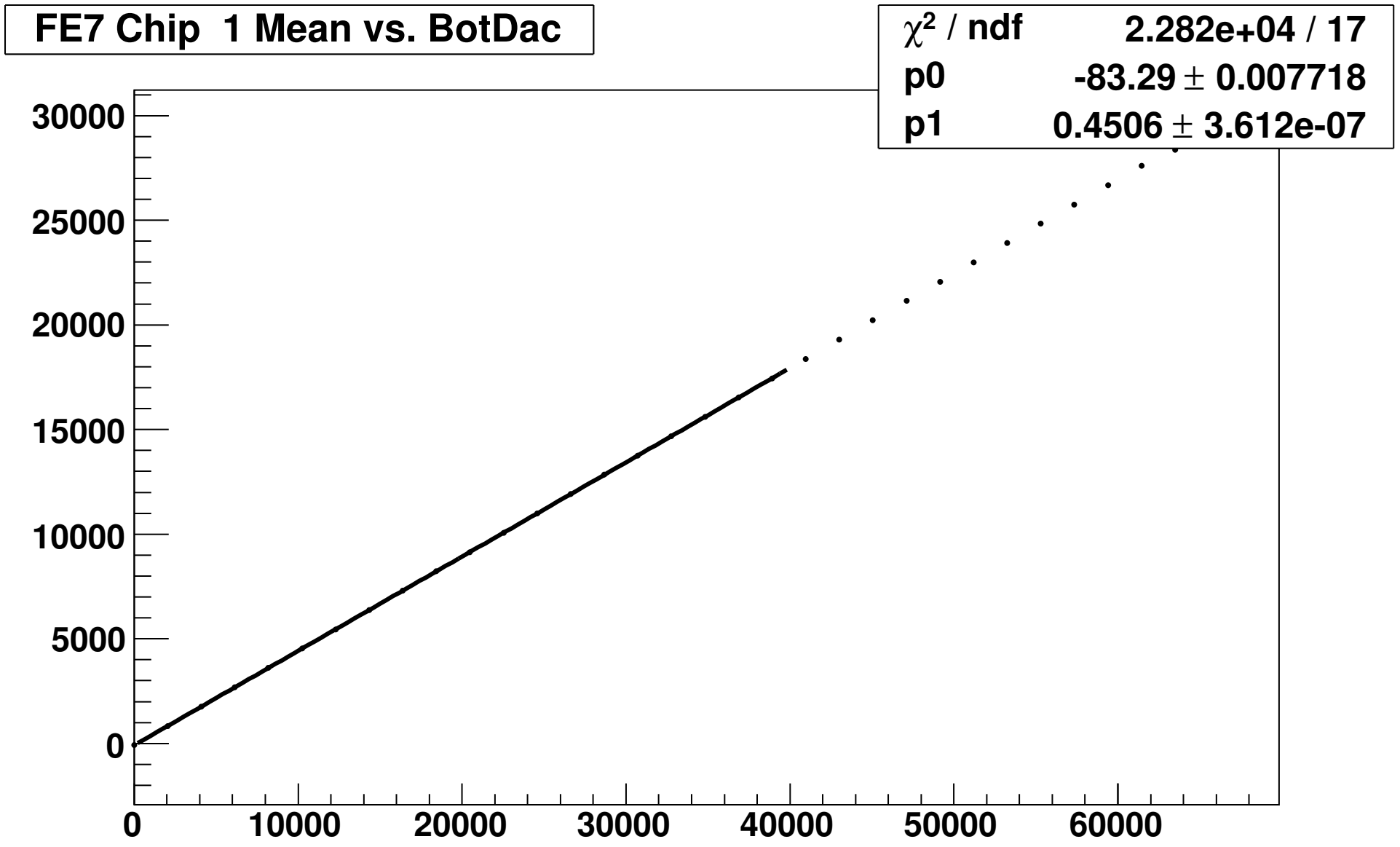
60000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 2.282e+04 / 17
p0 -83.29 ± 0.007718
p1 0.4506 ± 3.612e-07
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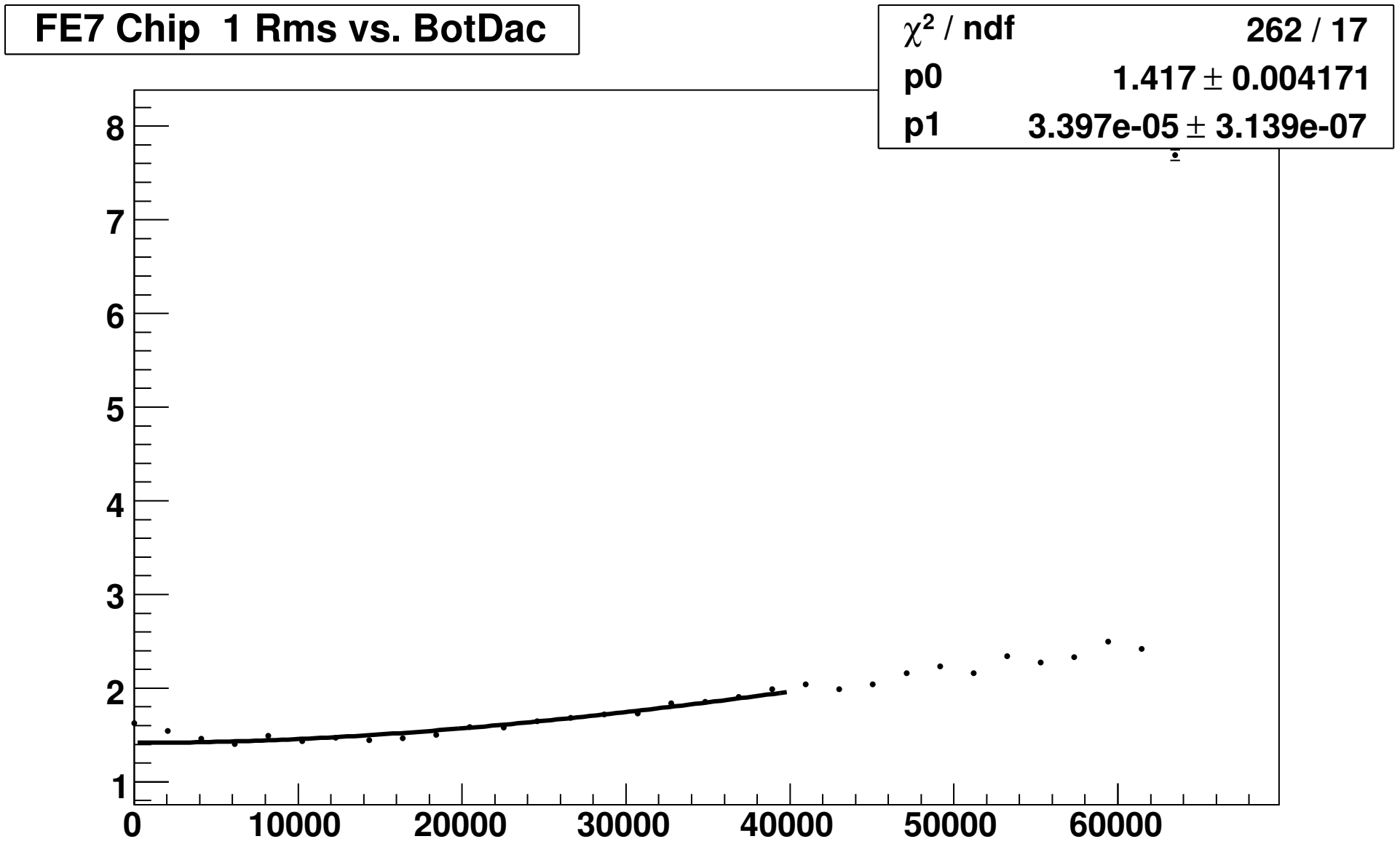
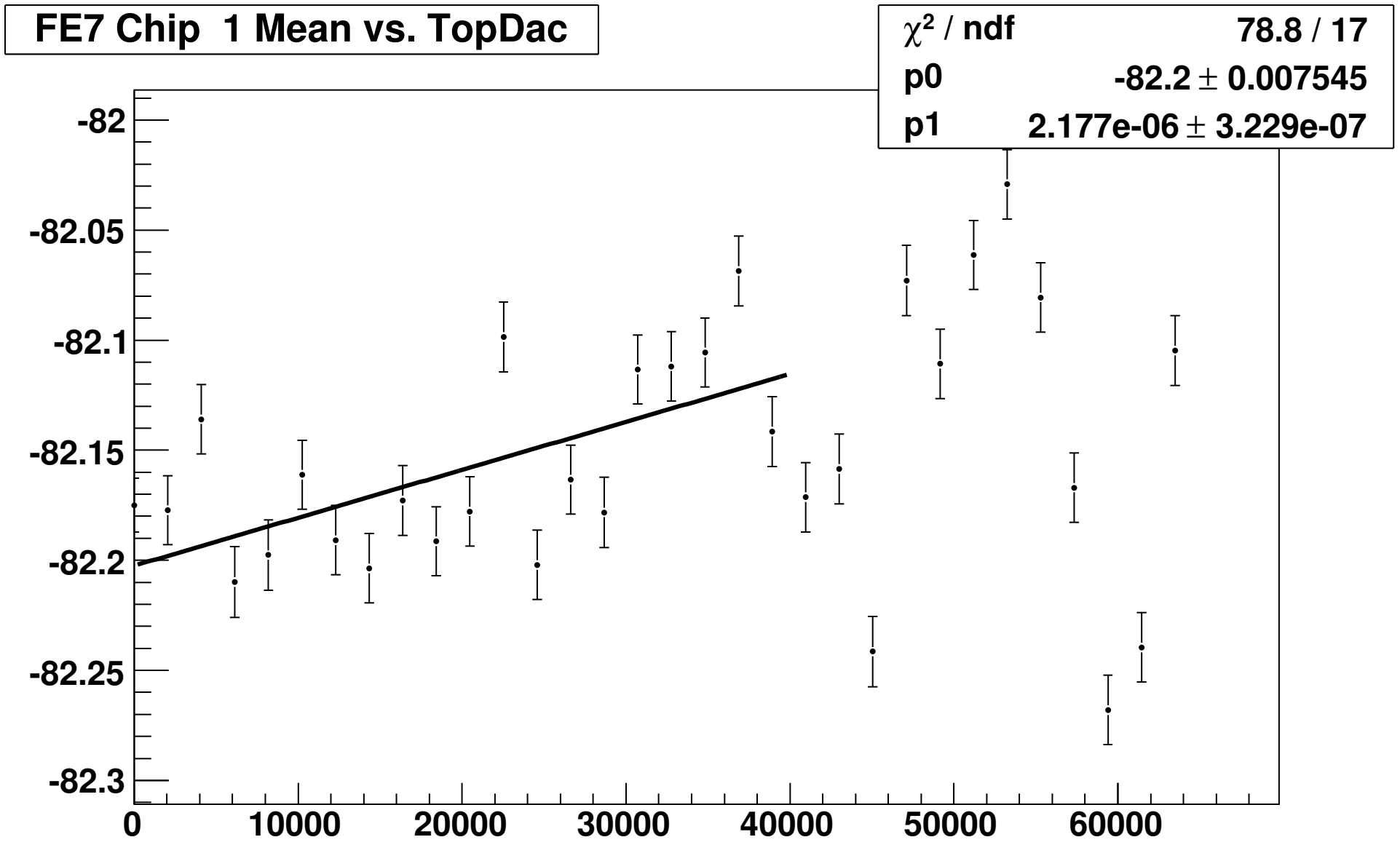
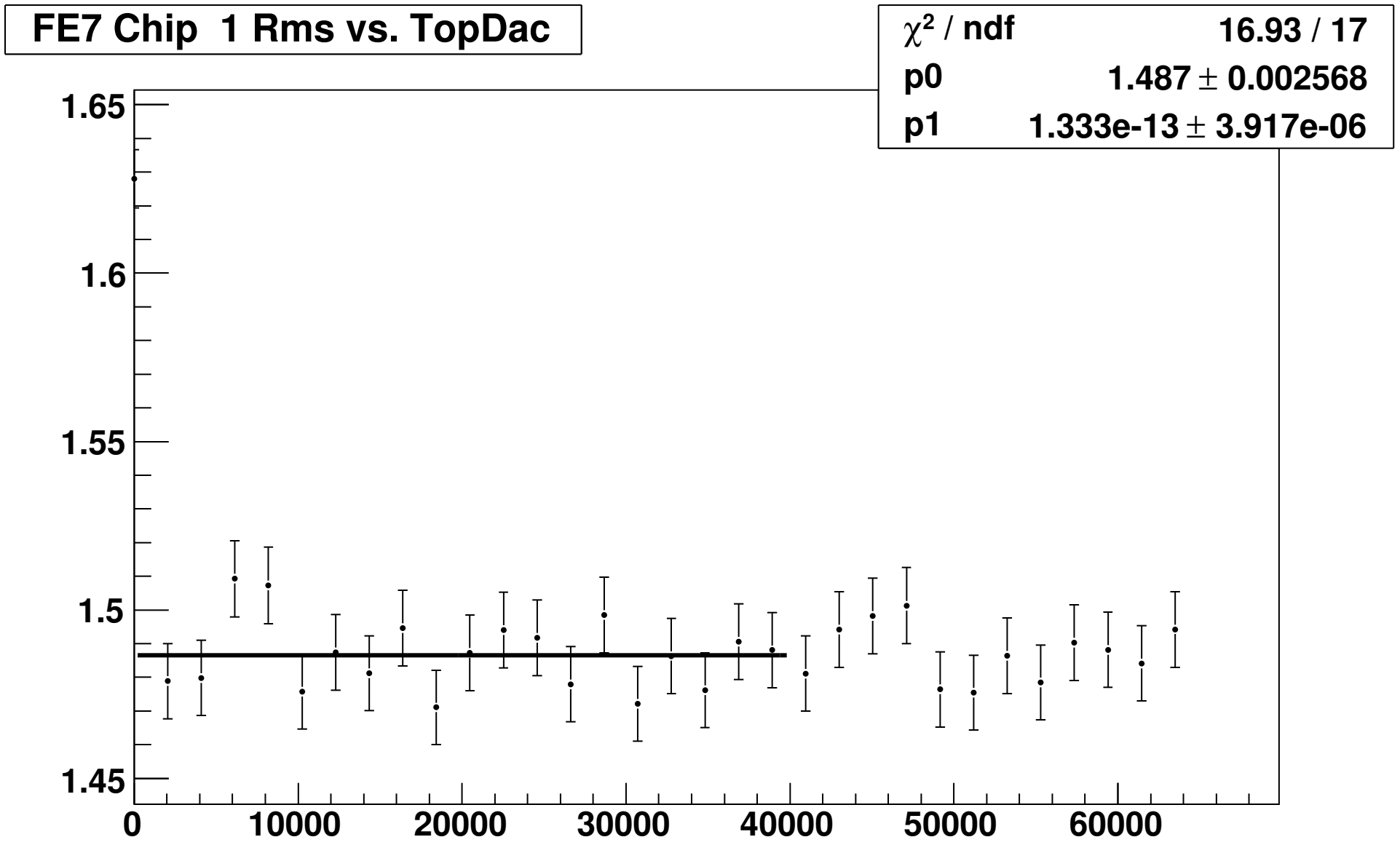
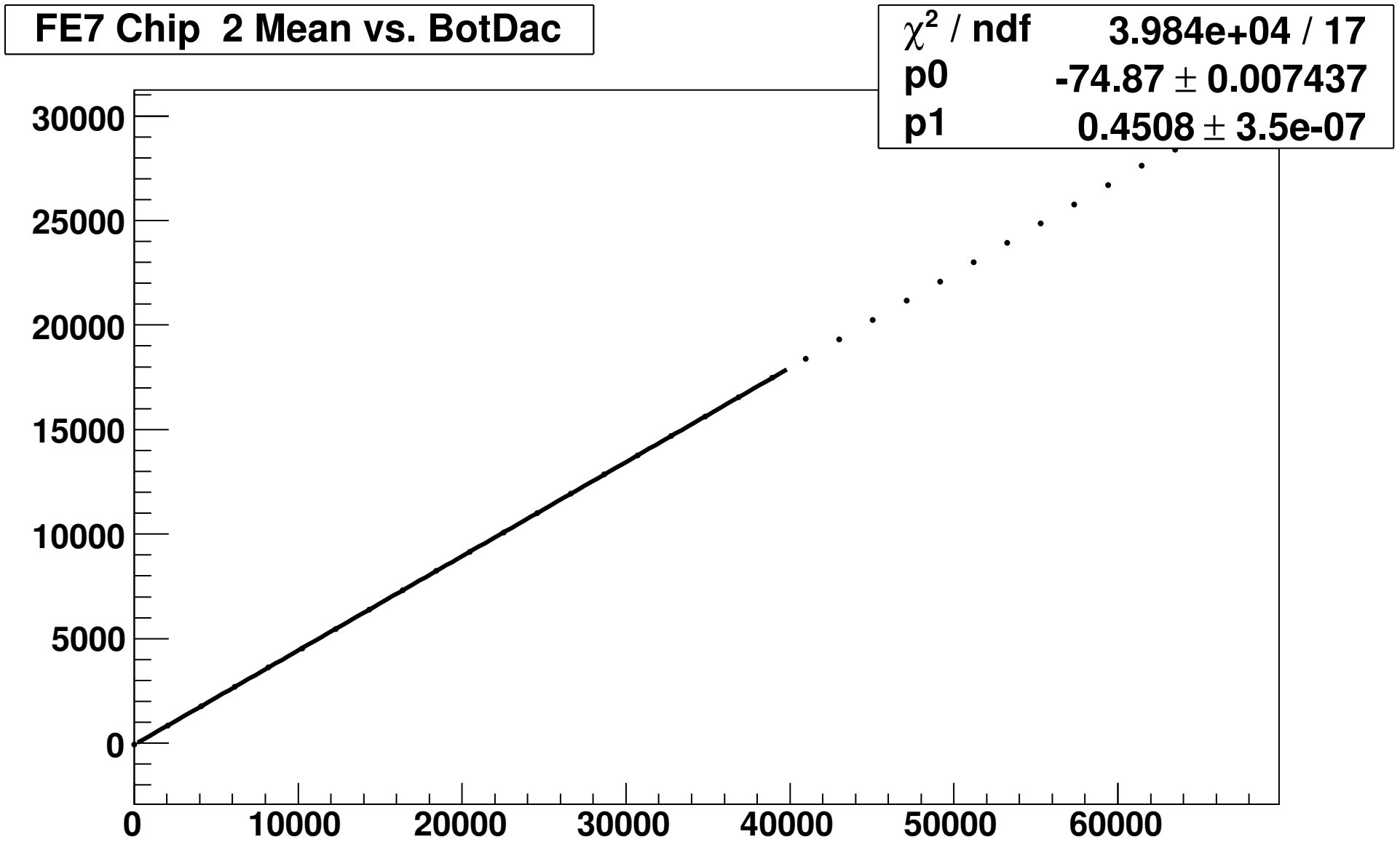
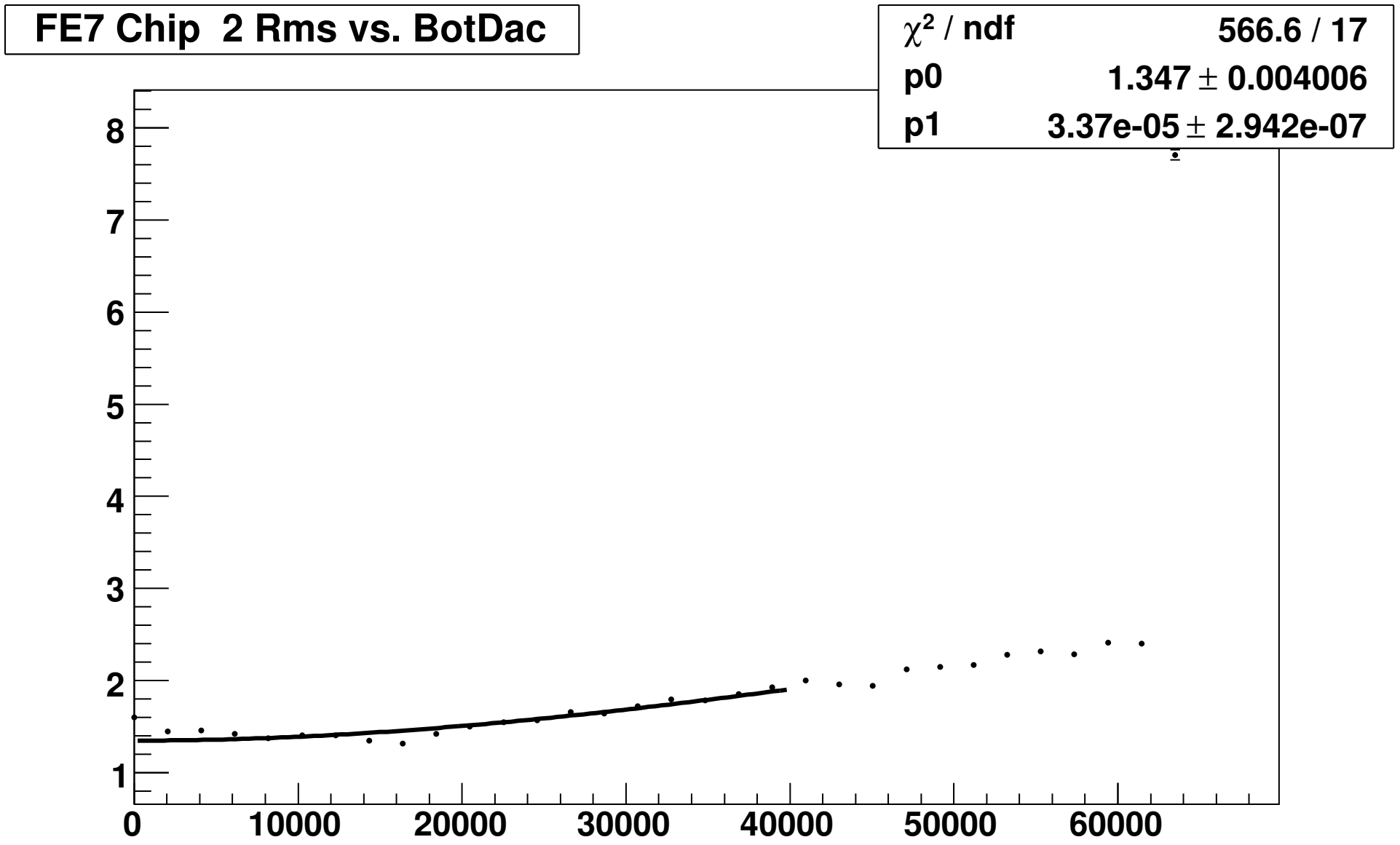
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

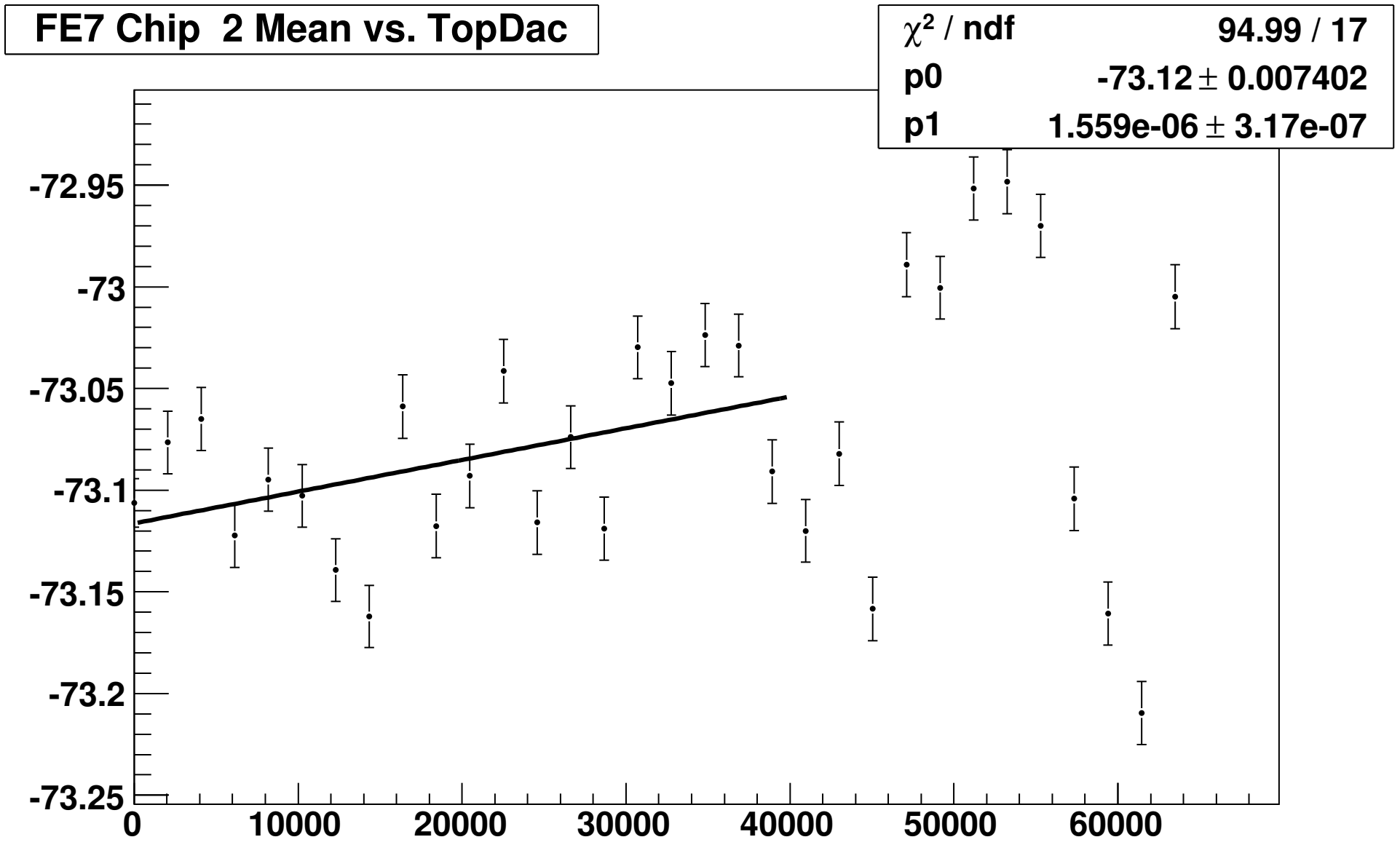

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 262 / 17
p0 1.417 ± 0.004171
p1 3.397e-05 ± 3.139e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

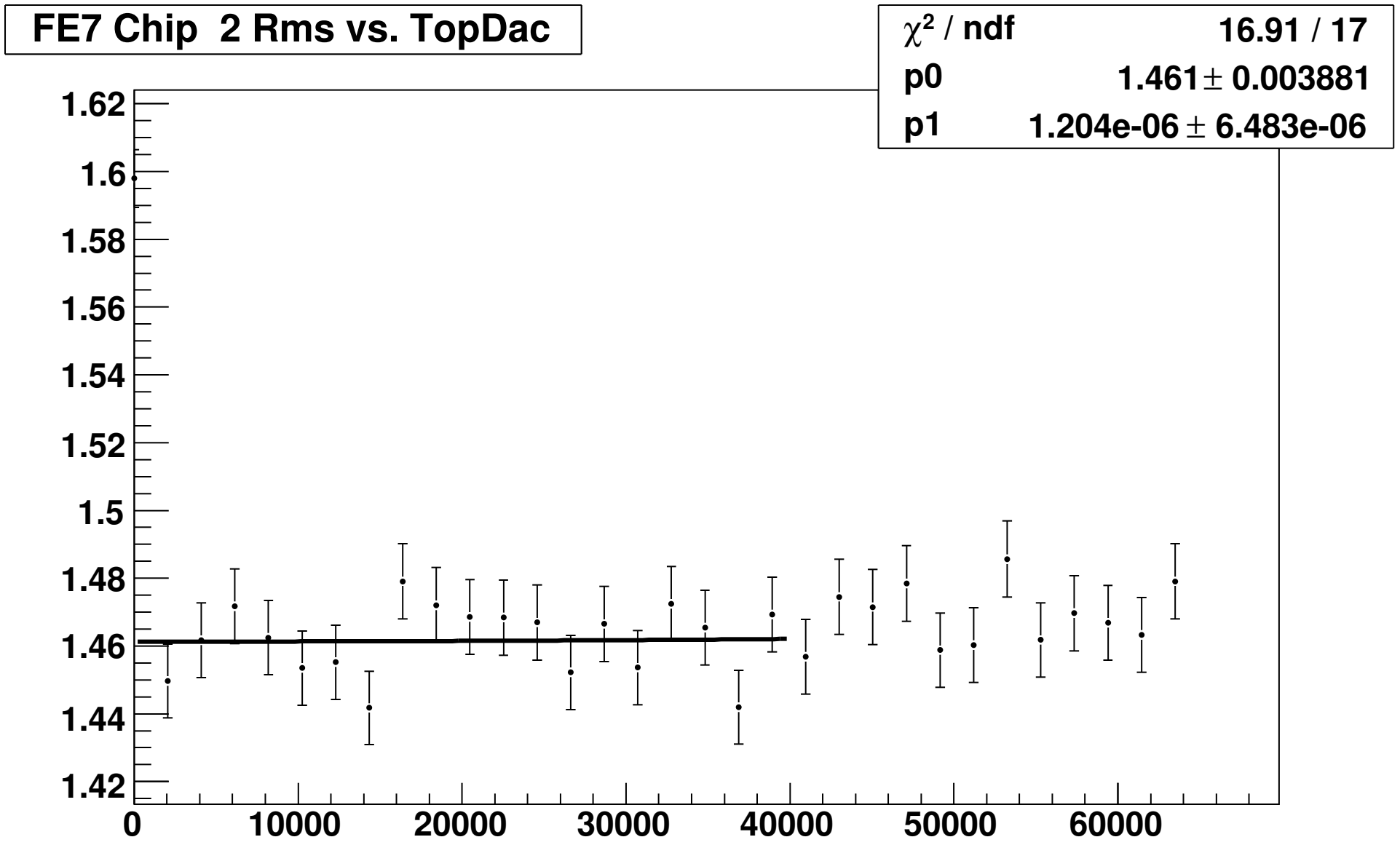

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 78.8 / 17
p0 -82.2 ± 0.007545
p1 2.177e-06 ± 3.229e-07
-82
-82.05
-82.1
-82.15
-82.2
-82.25
-82.3
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 16.93 / 17
p0 1.487 ± 0.002568
p1 1.333e-13 ± 3.917e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 3.984e+04 / 17
p0 -74.87 ± 0.007437
p1 0.4508 ± 3.5e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 566.6 / 17
p0 1.347 ± 0.004006
p1 3.37e-05 ± 2.942e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 94.99 / 17
p0 -73.12 ± 0.007402
p1 1.559e-06 ± 3.17e-07
-72.95
-73
-73.05
-73.1
-73.15
-73.2
-73.25
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 16.91 / 17
p0 1.461 ± 0.003881
p1 1.204e-06 ± 6.483e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
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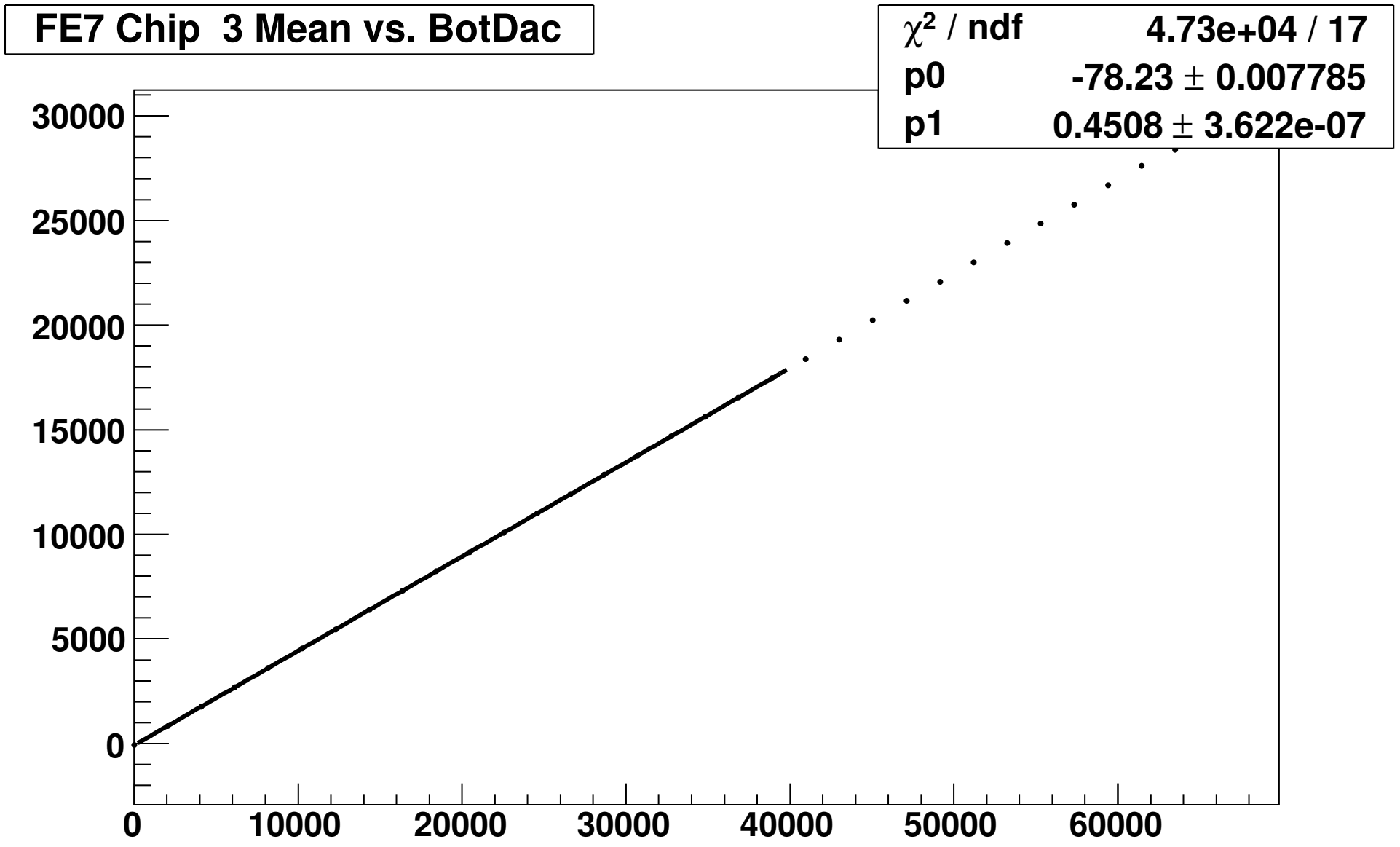
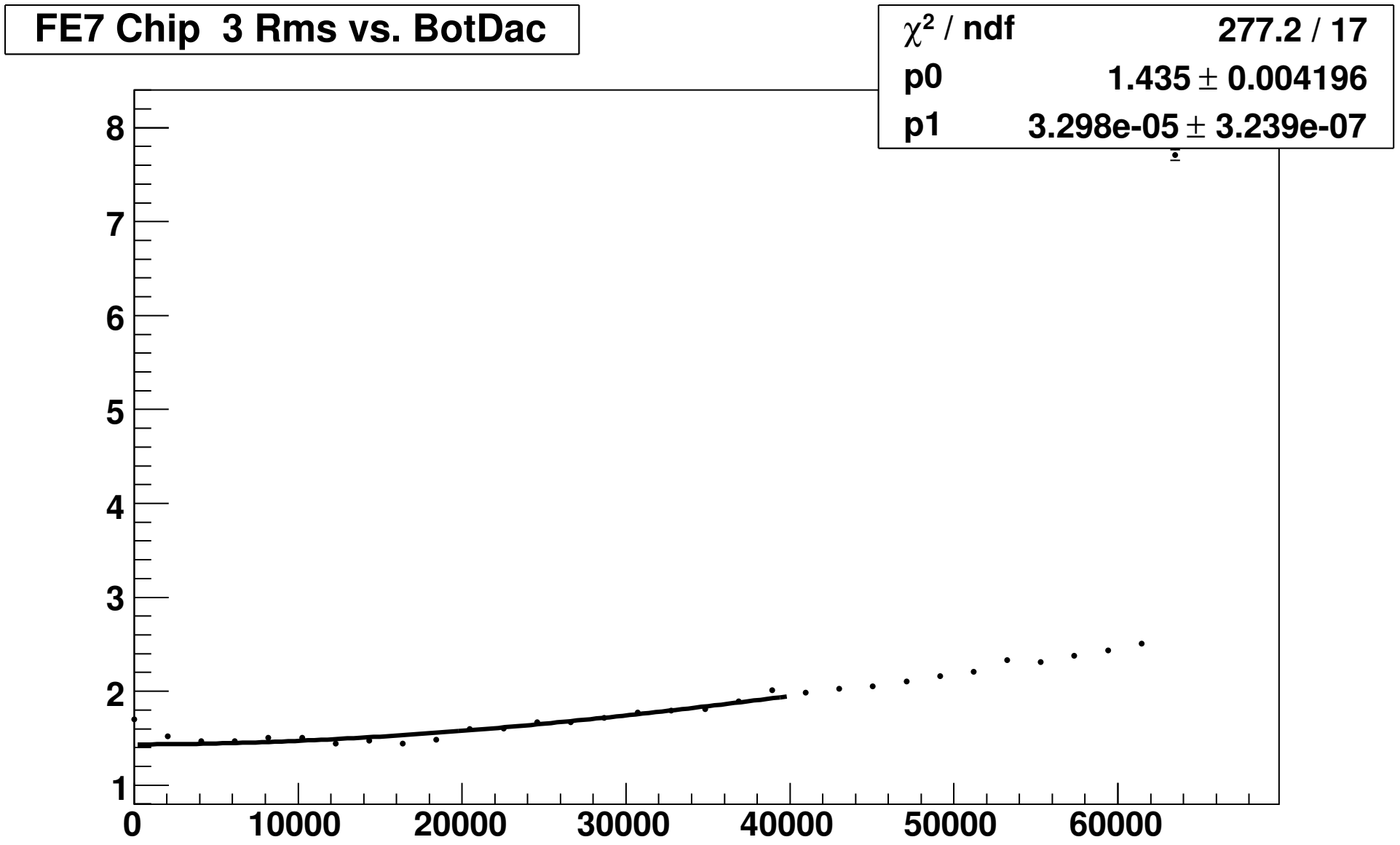
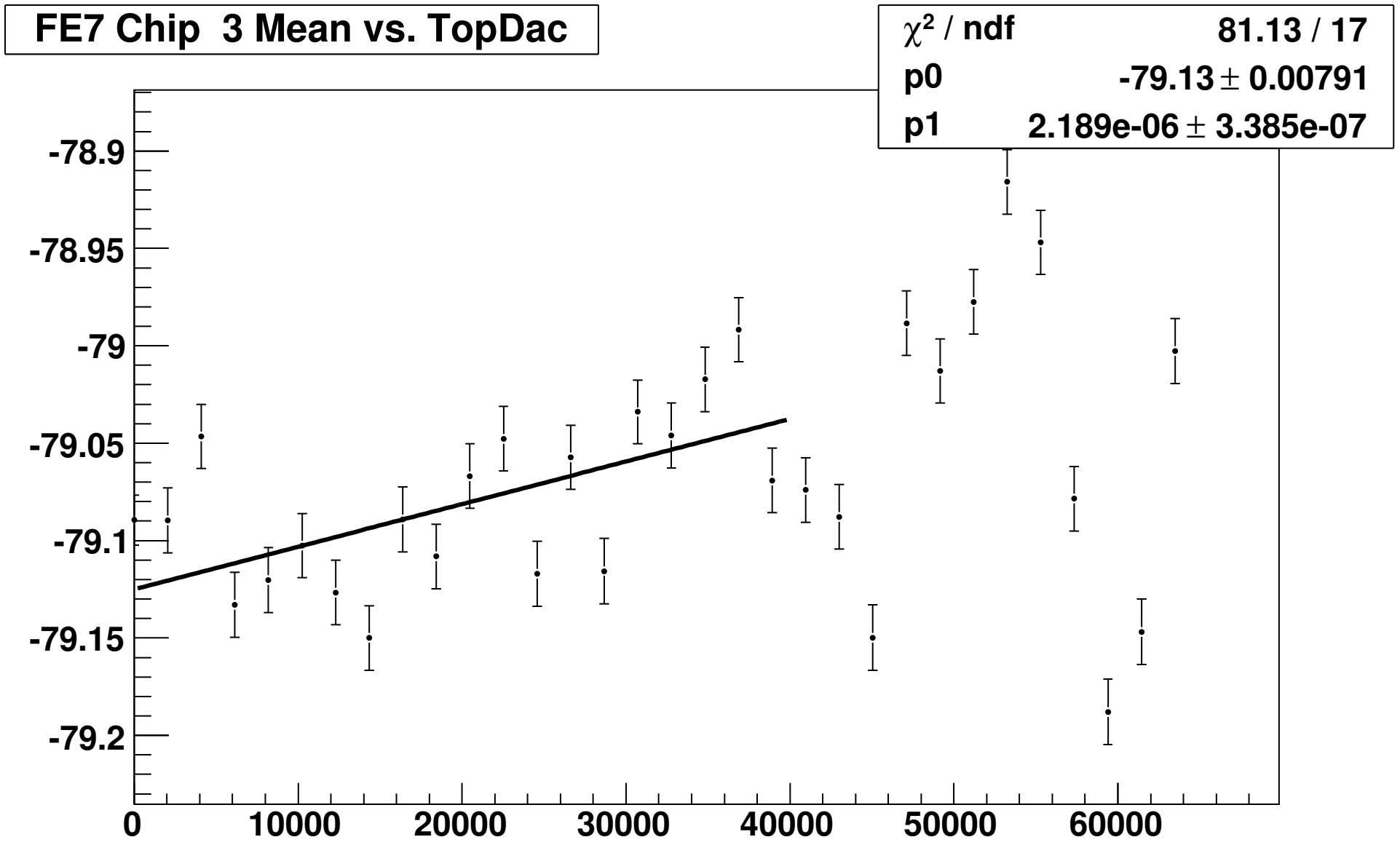
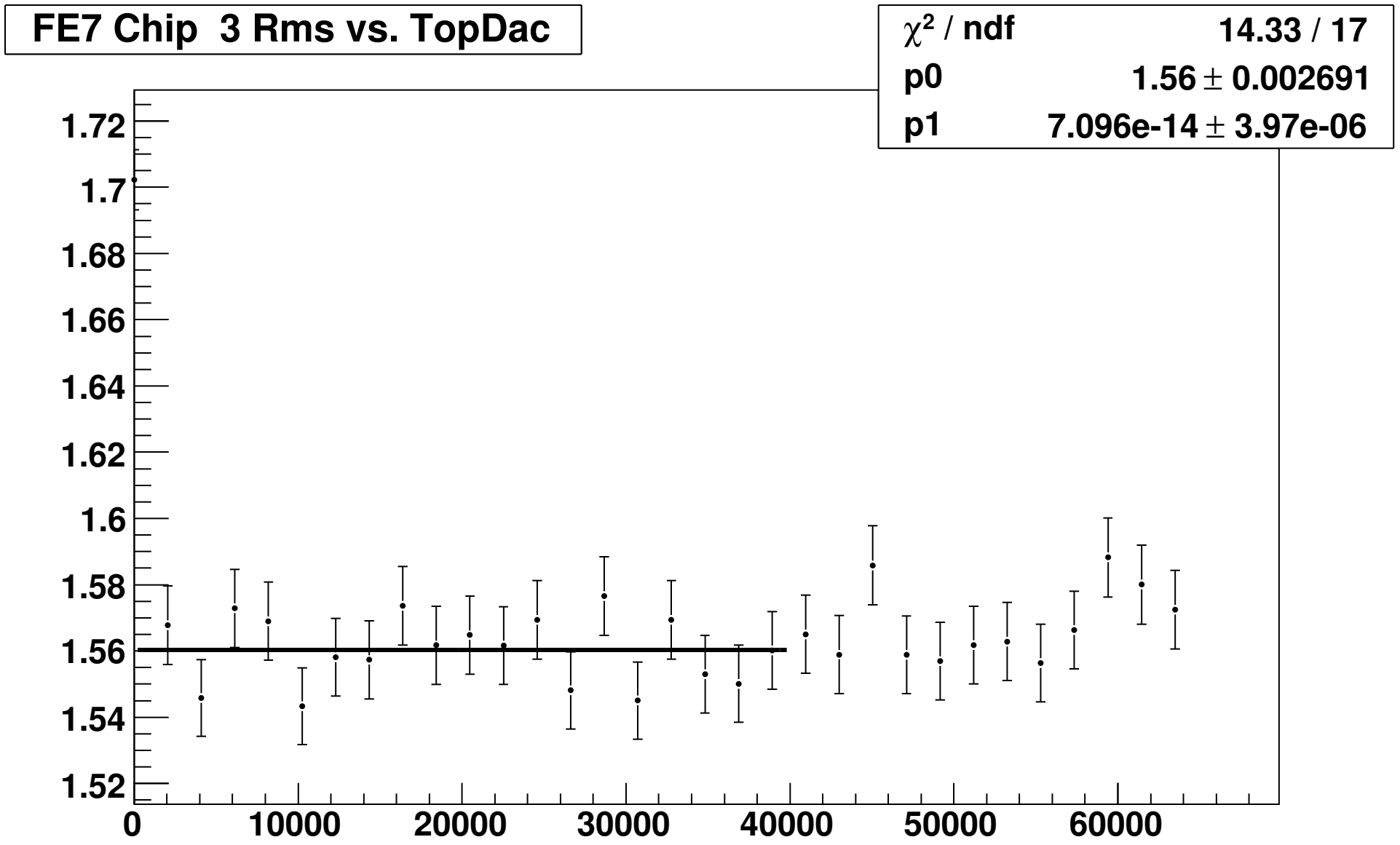
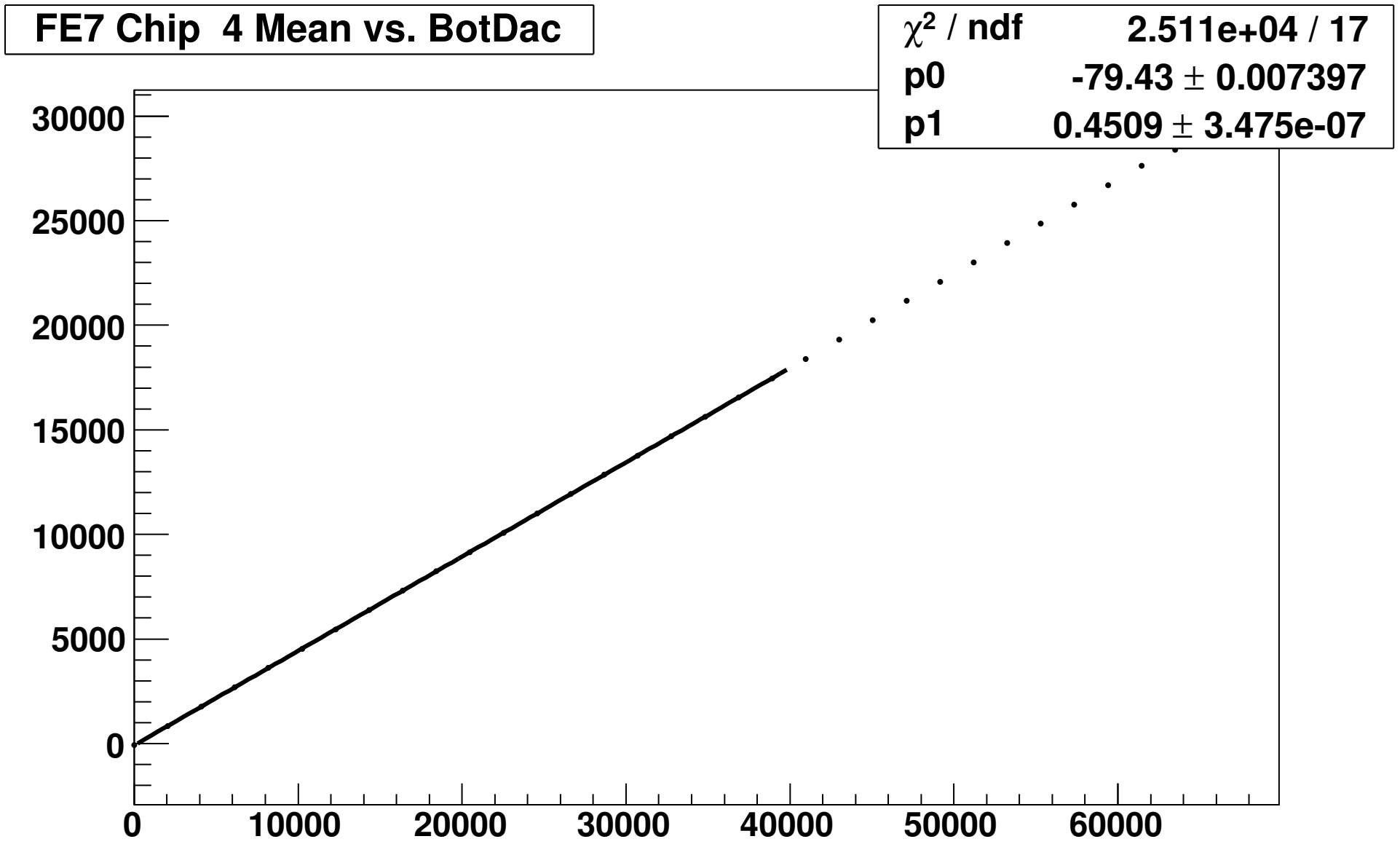

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 4.73e+04 / 17
p0 -78.23 ± 0.007785
p1 0.4508 ± 3.622e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 277.2 / 17
p0 1.435 ± 0.004196
p1 3.298e-05 ± 3.239e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 81.13 / 17
p0 -79.13 ± 0.00791
p1 2.189e-06 ± 3.385e-07
-78.9
-78.95
-79
-79.05
-79.1
-79.15
-79.2
0
10000
20000
30000
40000
50000
60000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 14.33 / 17
p0 1.56 ± 0.002691
p1 7.096e-14 ± 3.97e-06
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 2.511e+04 / 17
p0 -79.43 ± 0.007397
p1 0.4509 ± 3.475e-07
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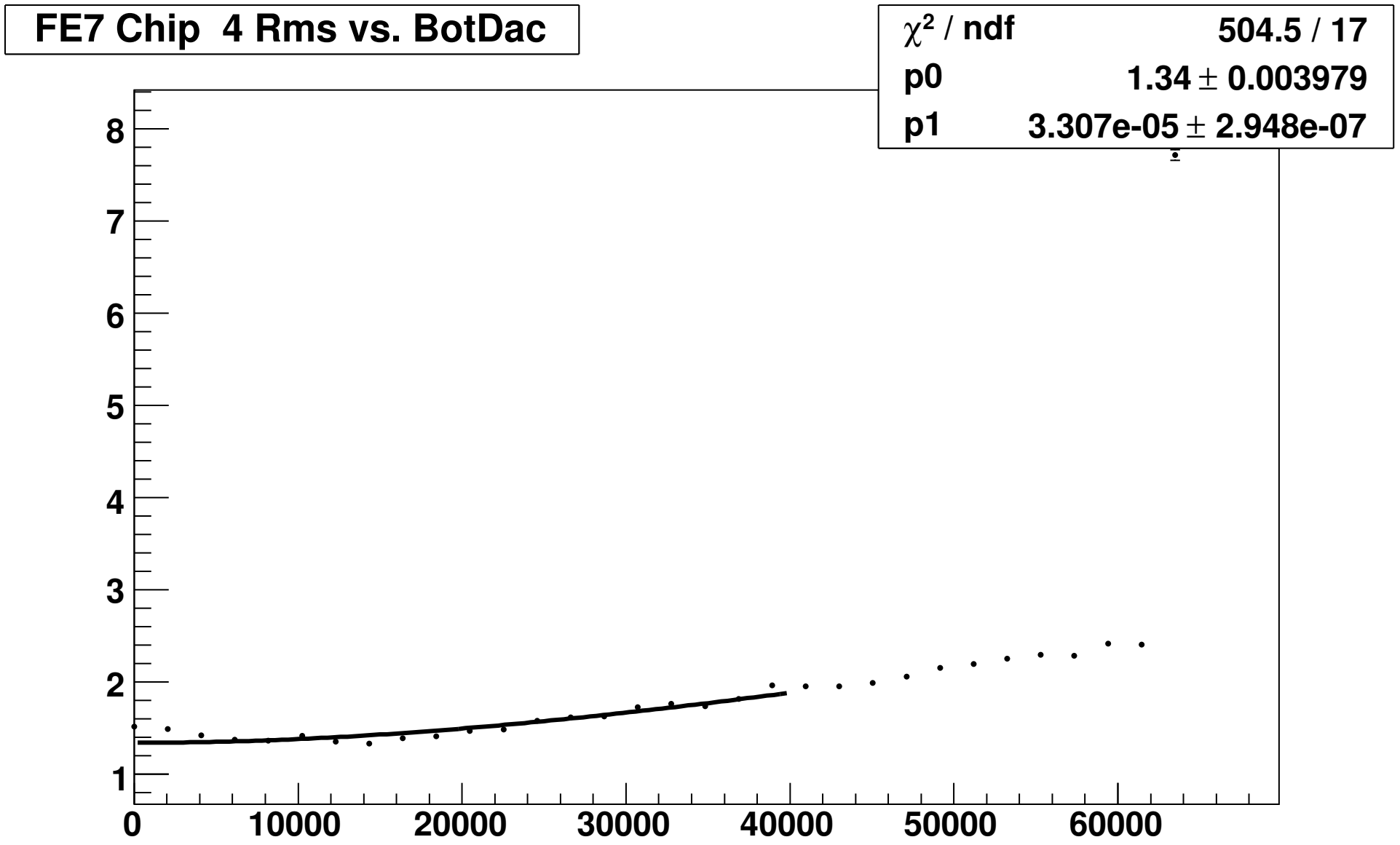
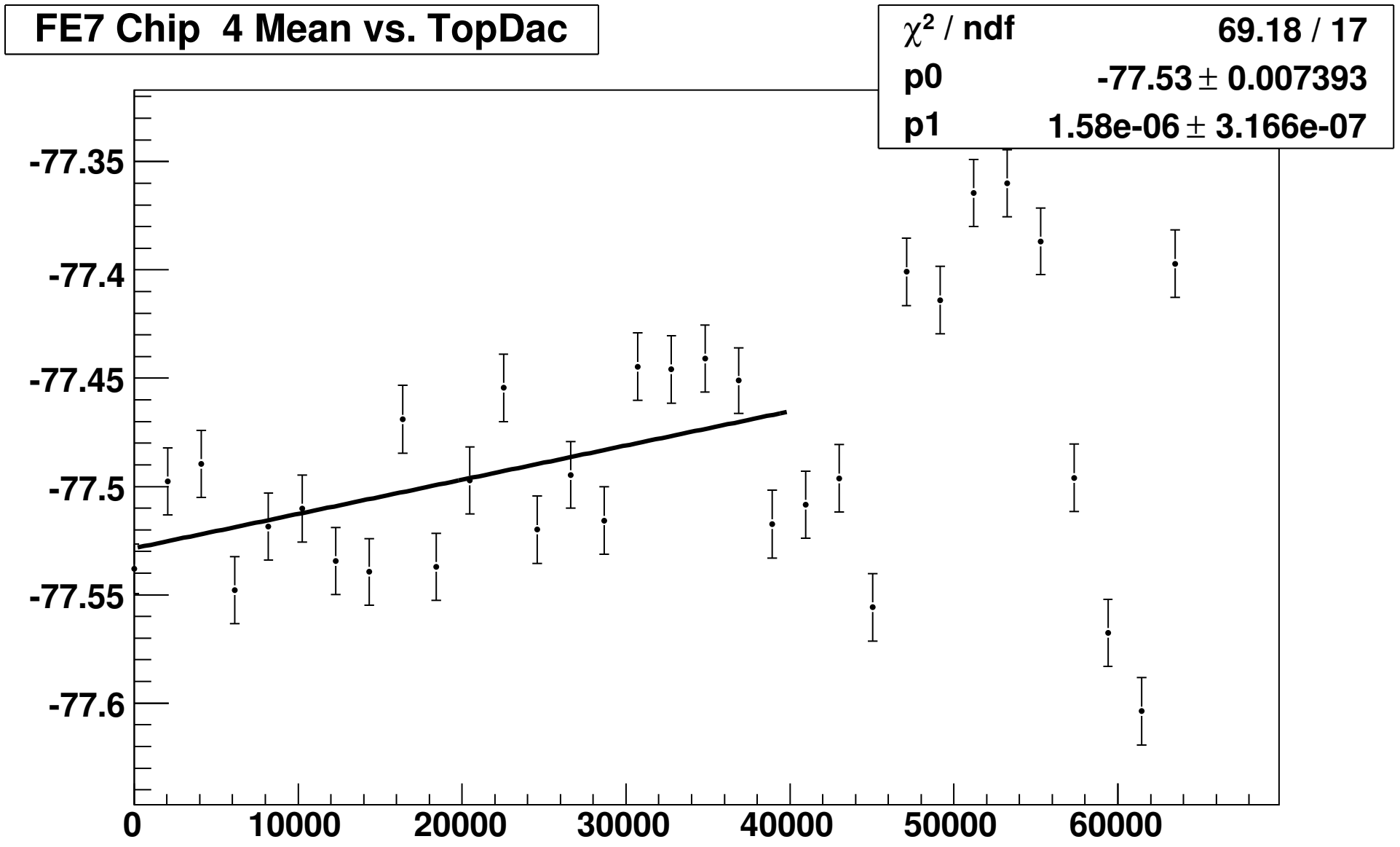
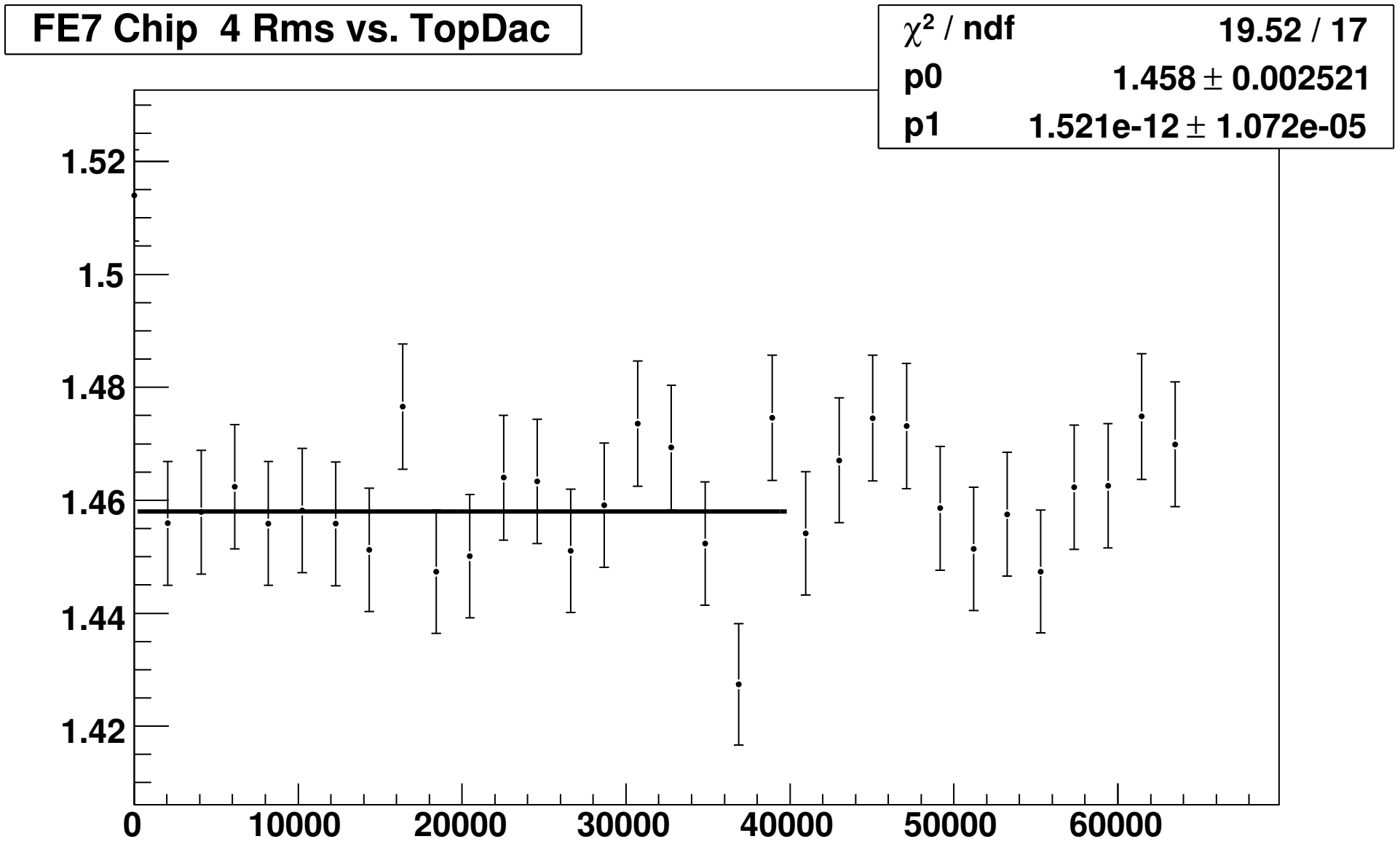
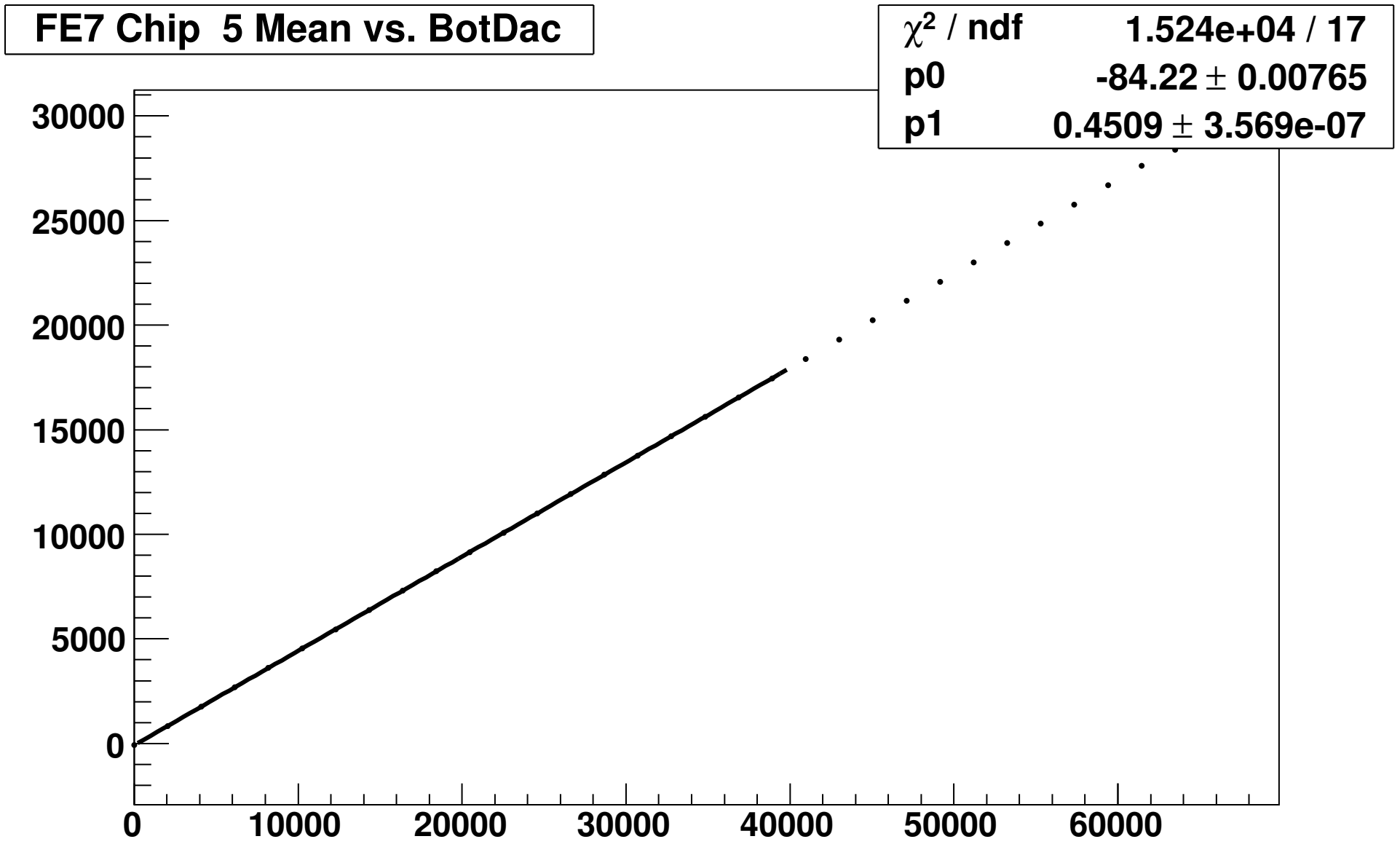
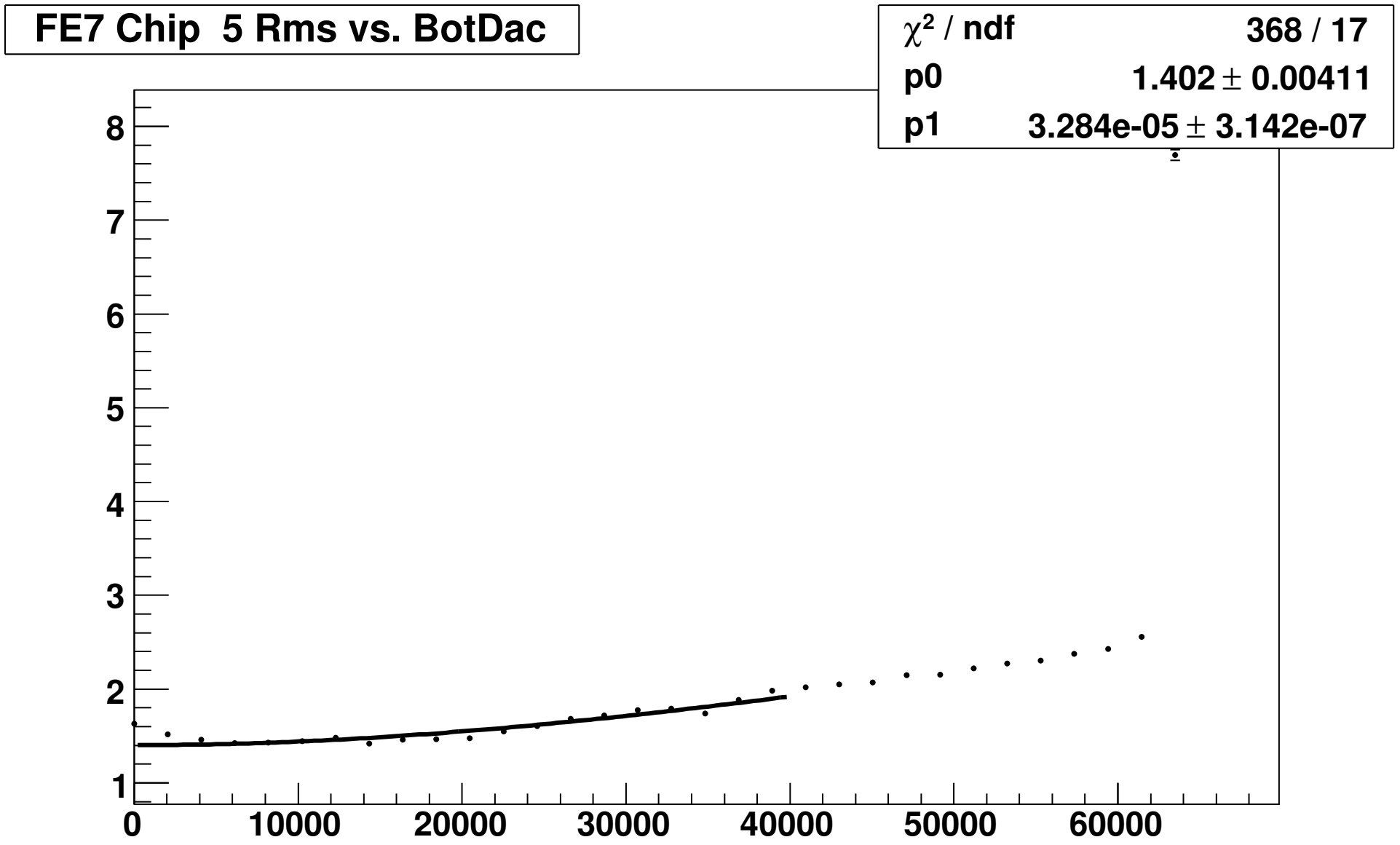
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

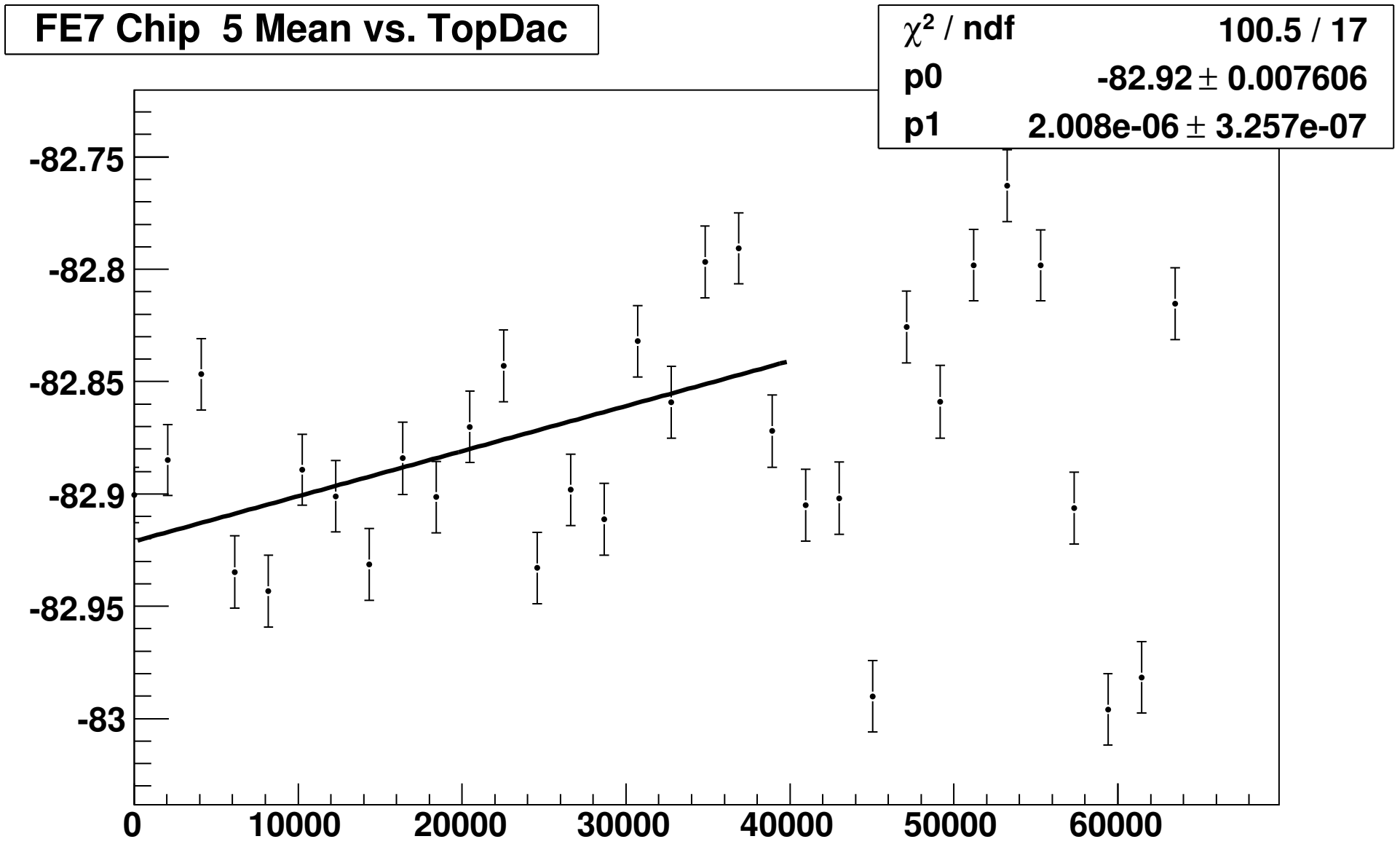

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 504.5 / 17
p0 1.34 ± 0.003979
p1 3.307e-05 ± 2.948e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

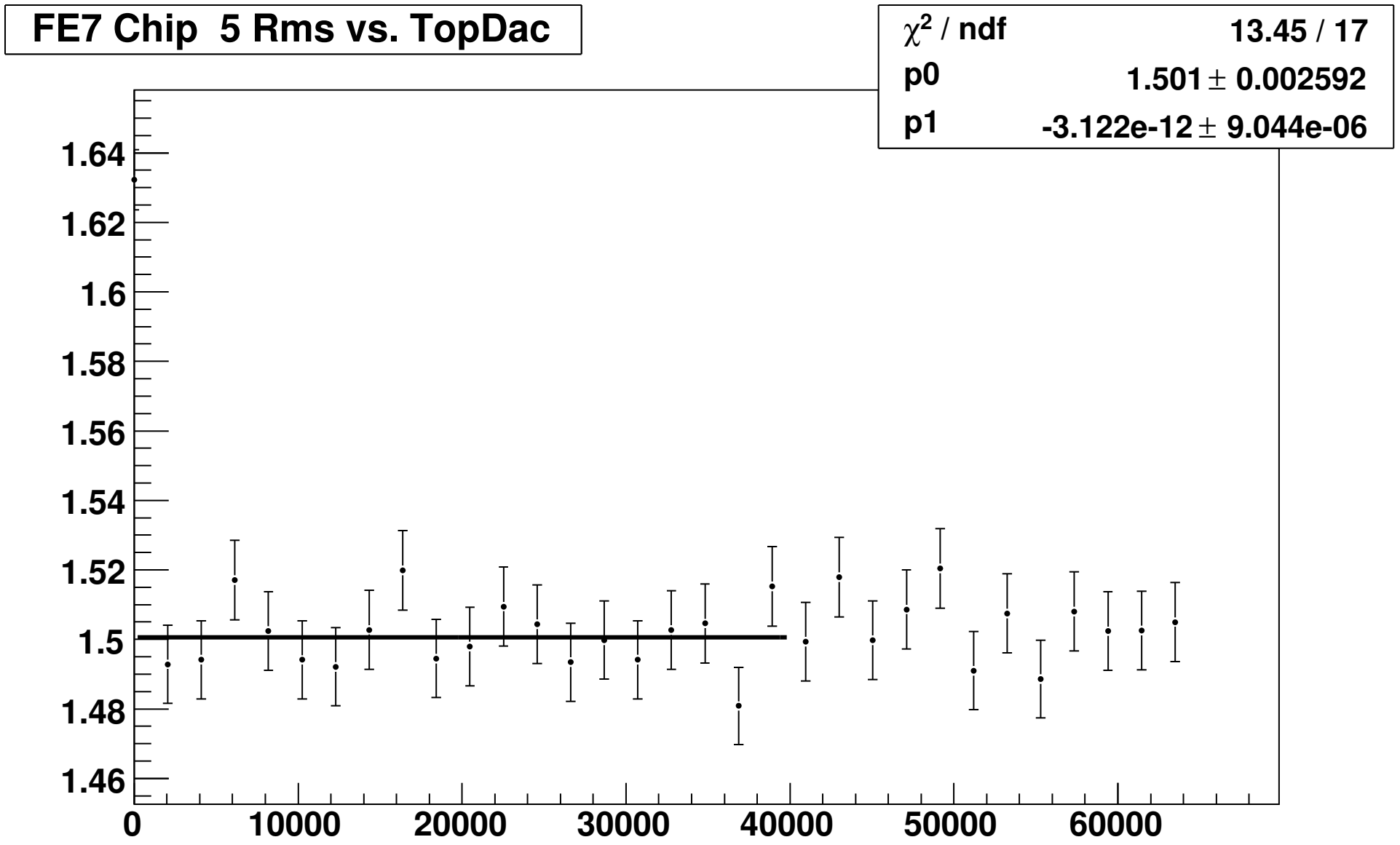

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 69.18 / 17
p0 -77.53 ± 0.007393
p1 1.58e-06 ± 3.166e-07
-77.35
-77.4
-77.45
-77.5
-77.55
-77.6
0
10000
20000
30000
40000
50000
60000

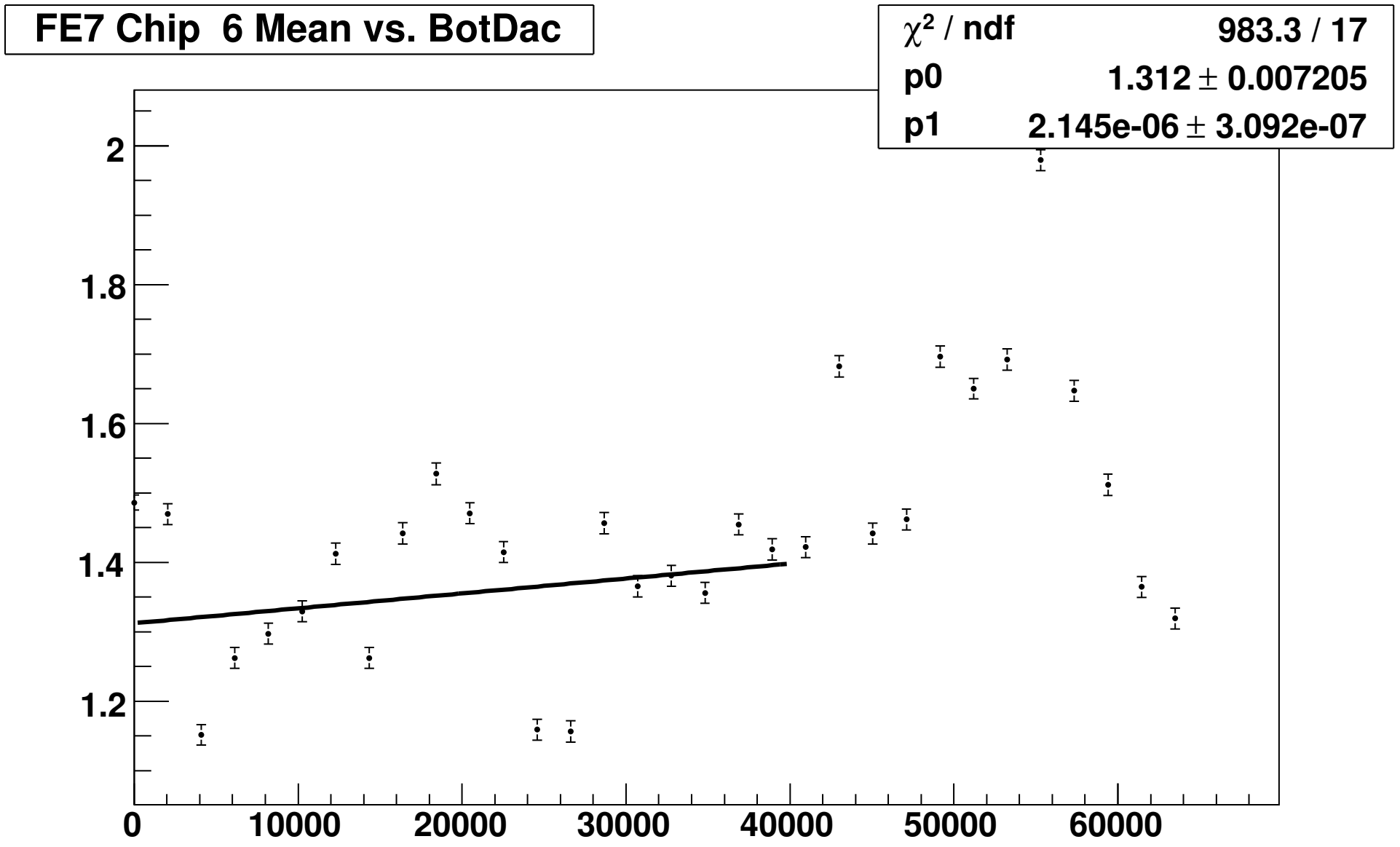

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 19.52 / 17
p0 1.458 ± 0.002521
p1 1.521e-12 ± 1.072e-05
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

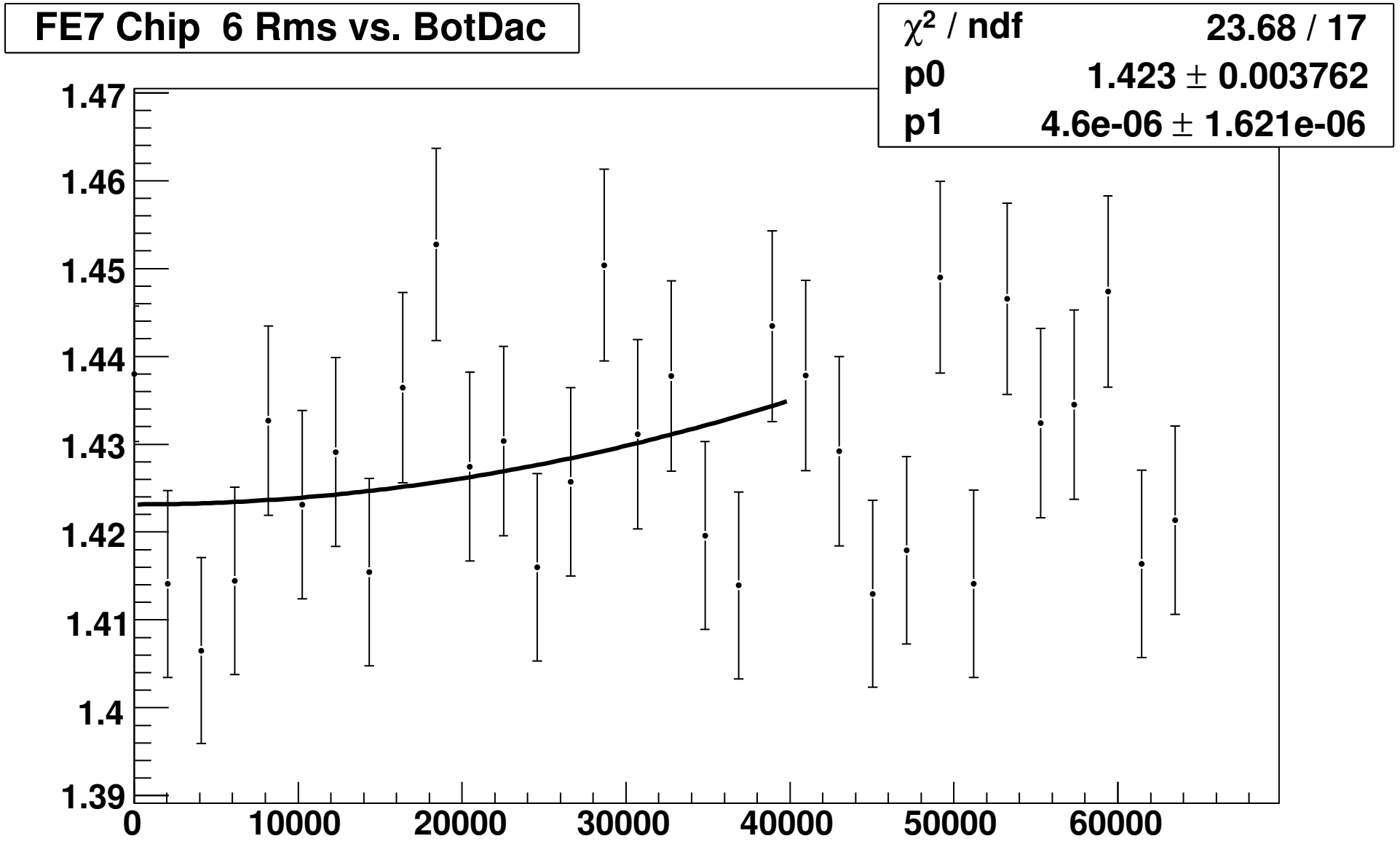

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.524e+04 / 17
p0 -84.22 ± 0.00765
p1 0.4509 ± 3.569e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

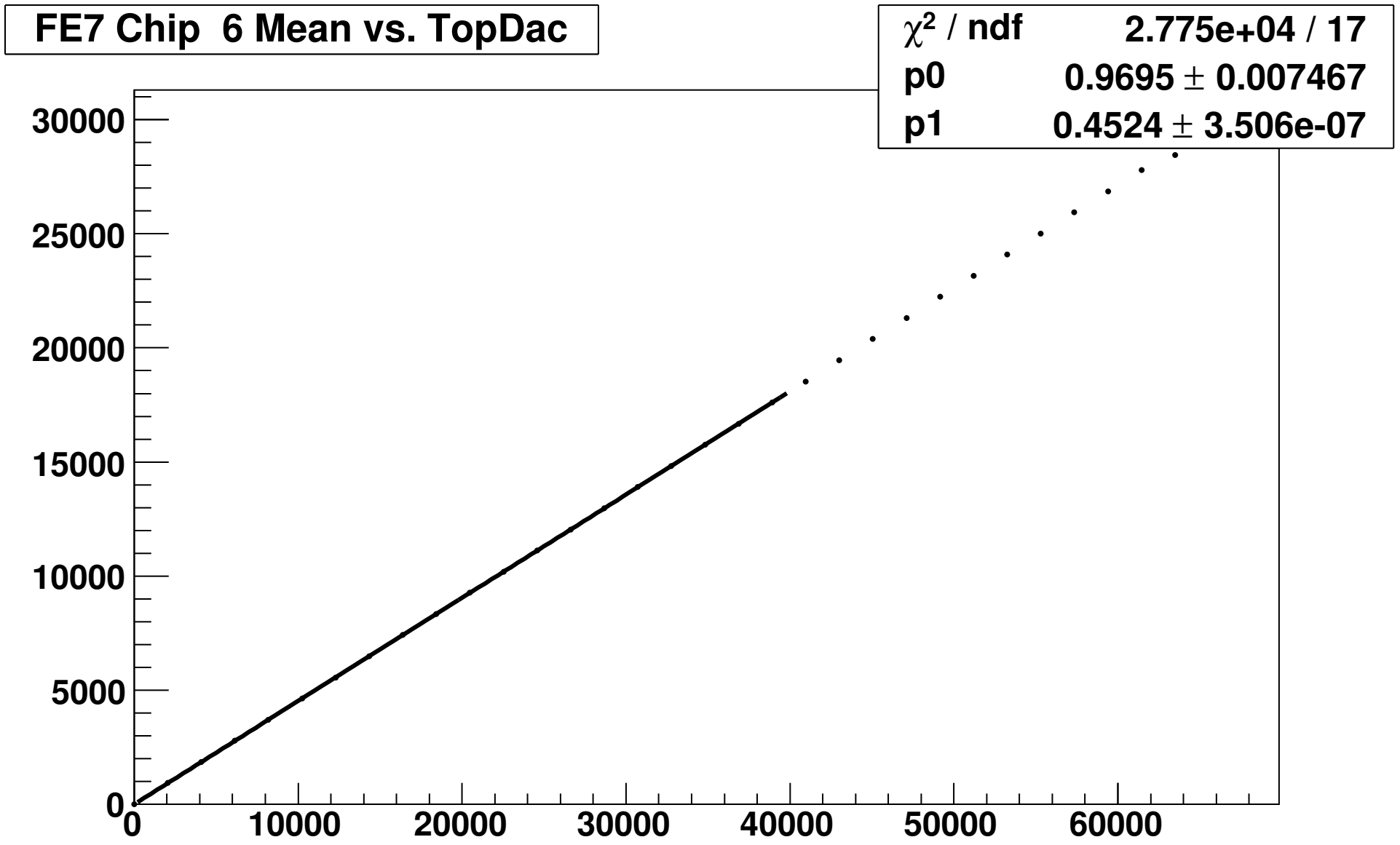

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 368 / 17
p0 1.402 ± 0.00411
p1 3.284e-05 ± 3.142e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

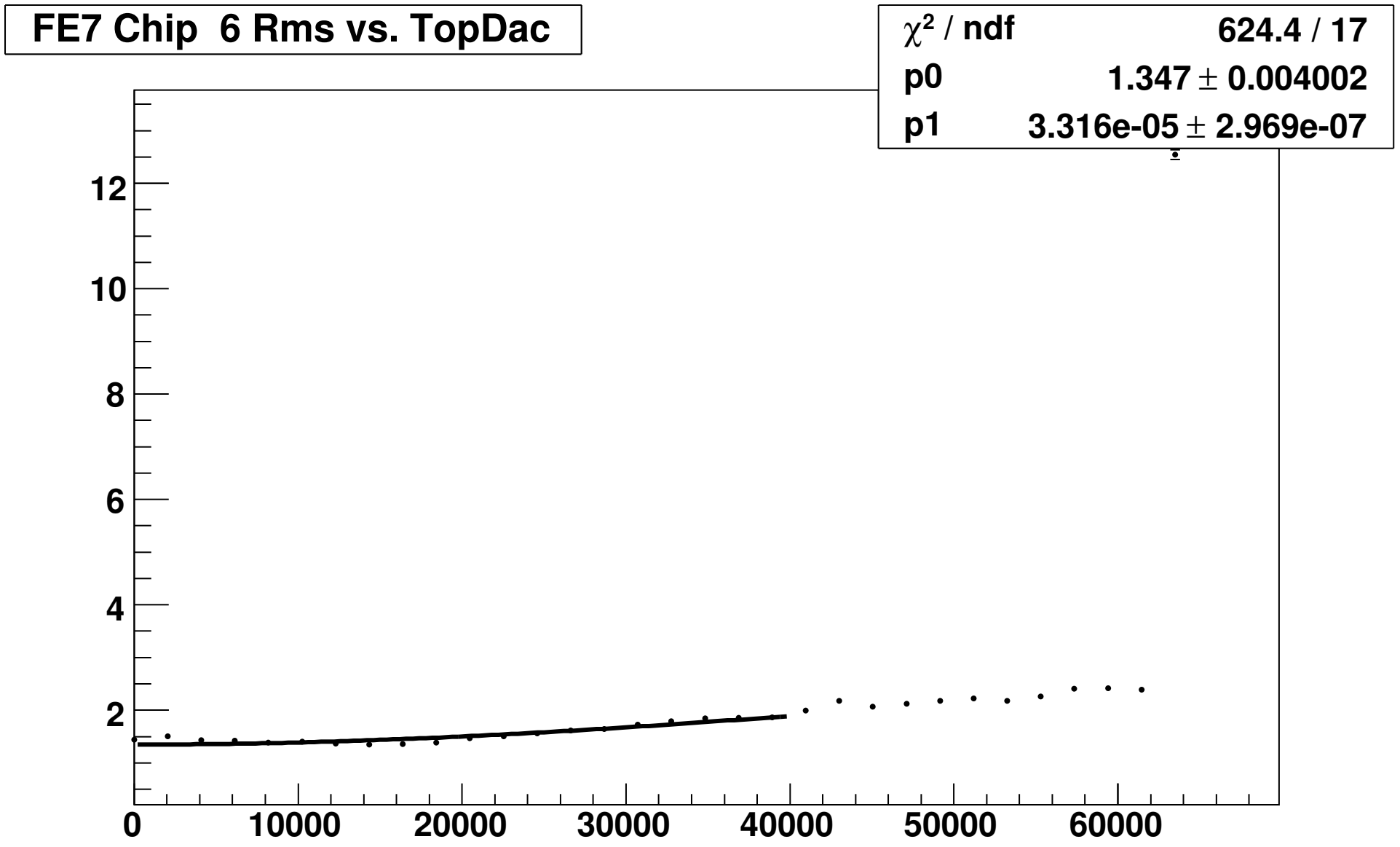

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 100.5 / 17
p0 -82.92 ± 0.007606
p1 2.008e-06 ± 3.257e-07
-82.75
-82.8
-82.85
-82.9
-82.95
-83
0
10000
20000
30000
40000
50000
60000

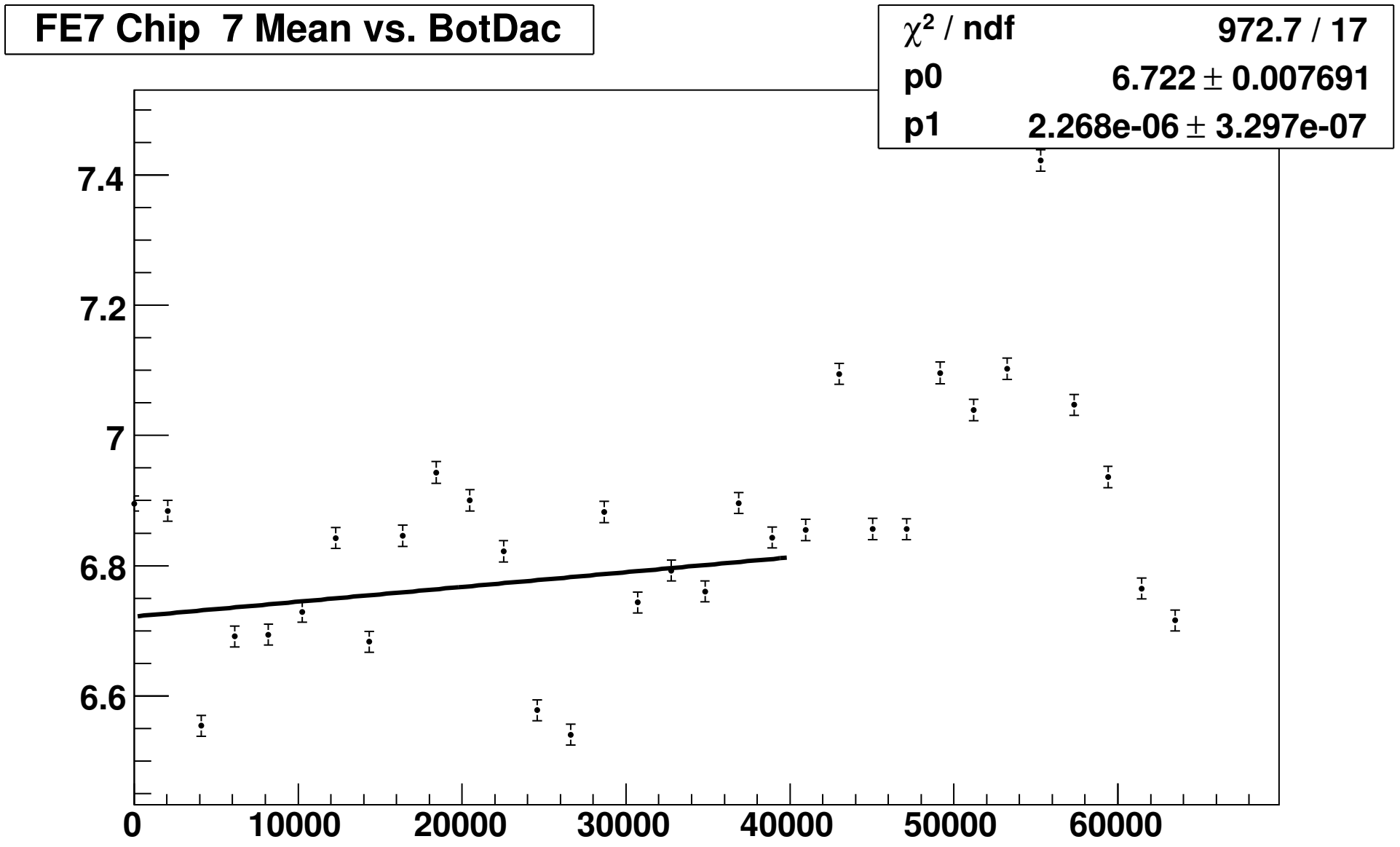

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 13.45 / 17
p0 1.501 ± 0.002592
p1 -3.122e-12 ± 9.044e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

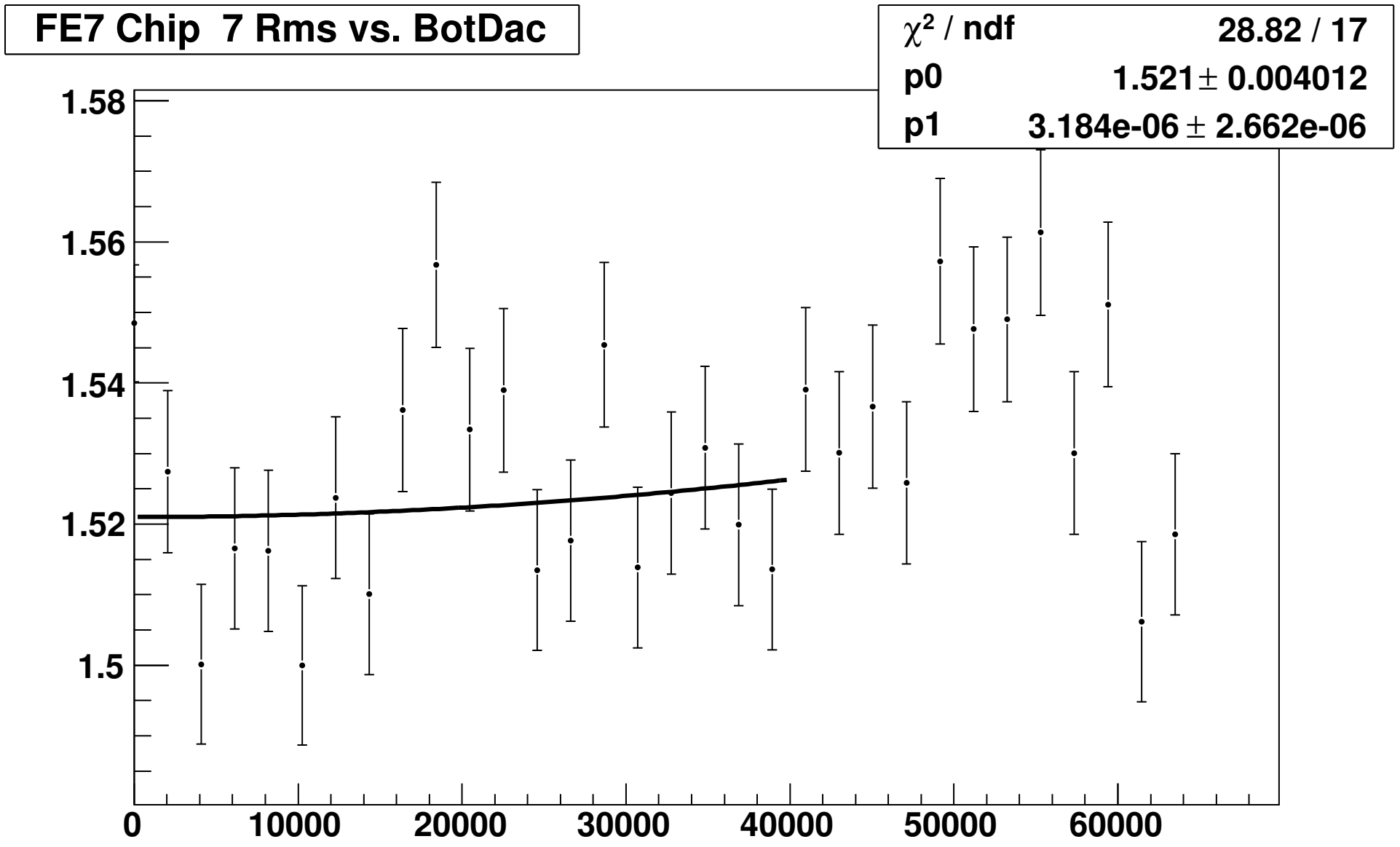

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 983.3 / 17
p0 1.312 ± 0.007205
p1 2.145e-06 ± 3.092e-07
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

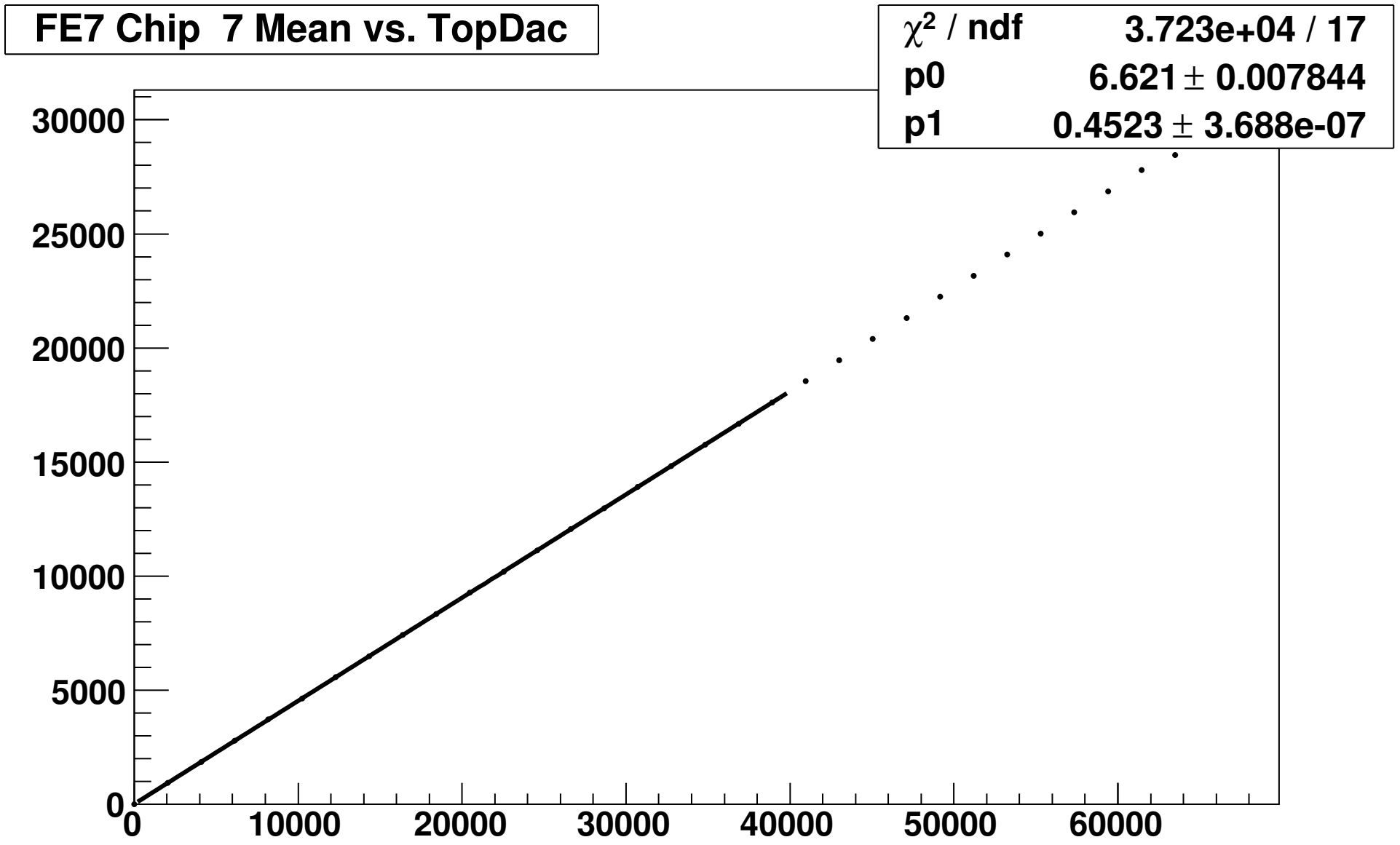

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 23.68 / 17
p0 1.423 ± 0.003762
p1 4.6e-06 ± 1.621e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000

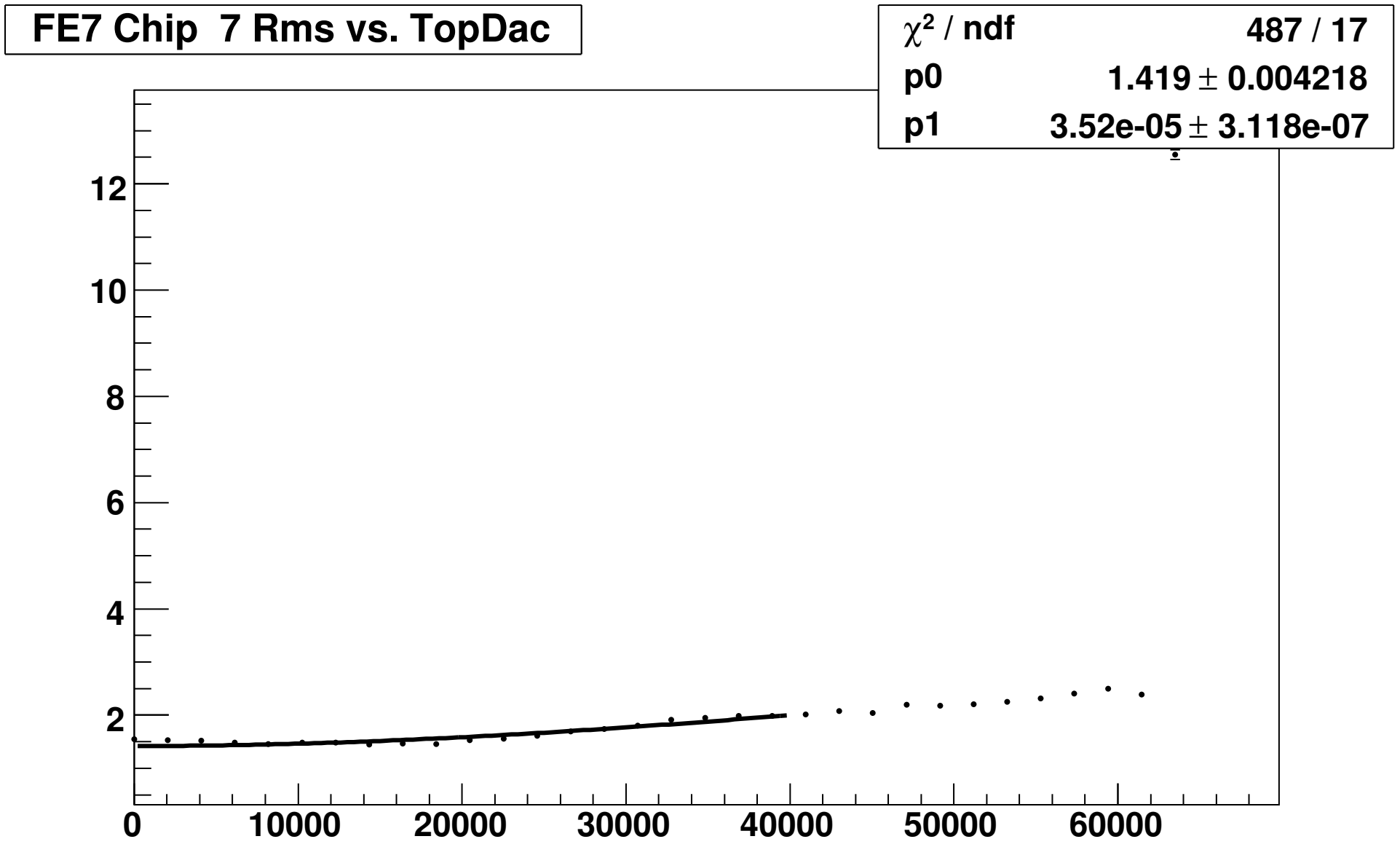

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 2.775e+04 / 17
p0 0.9695 ± 0.007467
p1 0.4524 ± 3.506e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

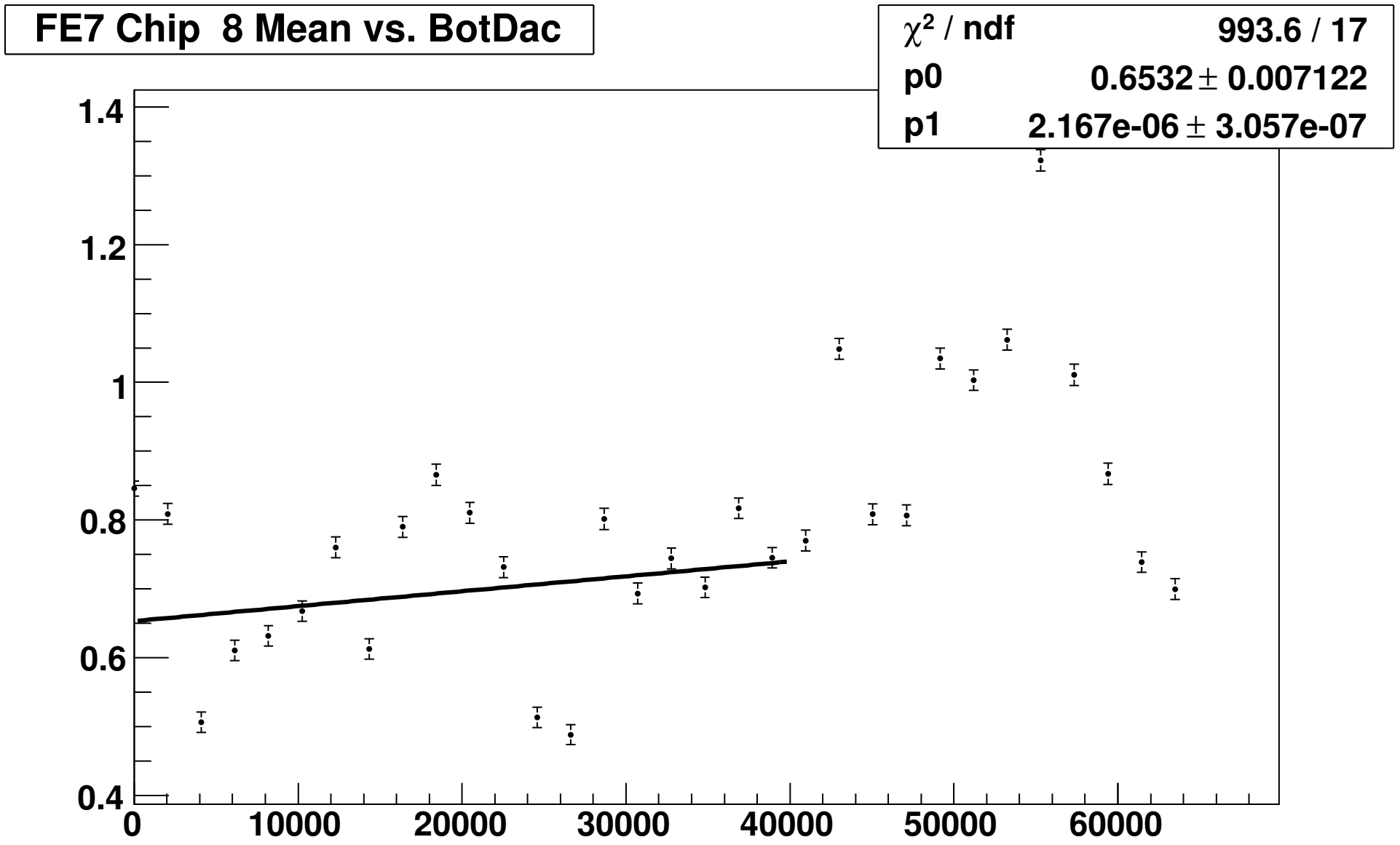

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 624.4 / 17
p0 1.347 ± 0.004002
p1 3.316e-05 ± 2.969e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

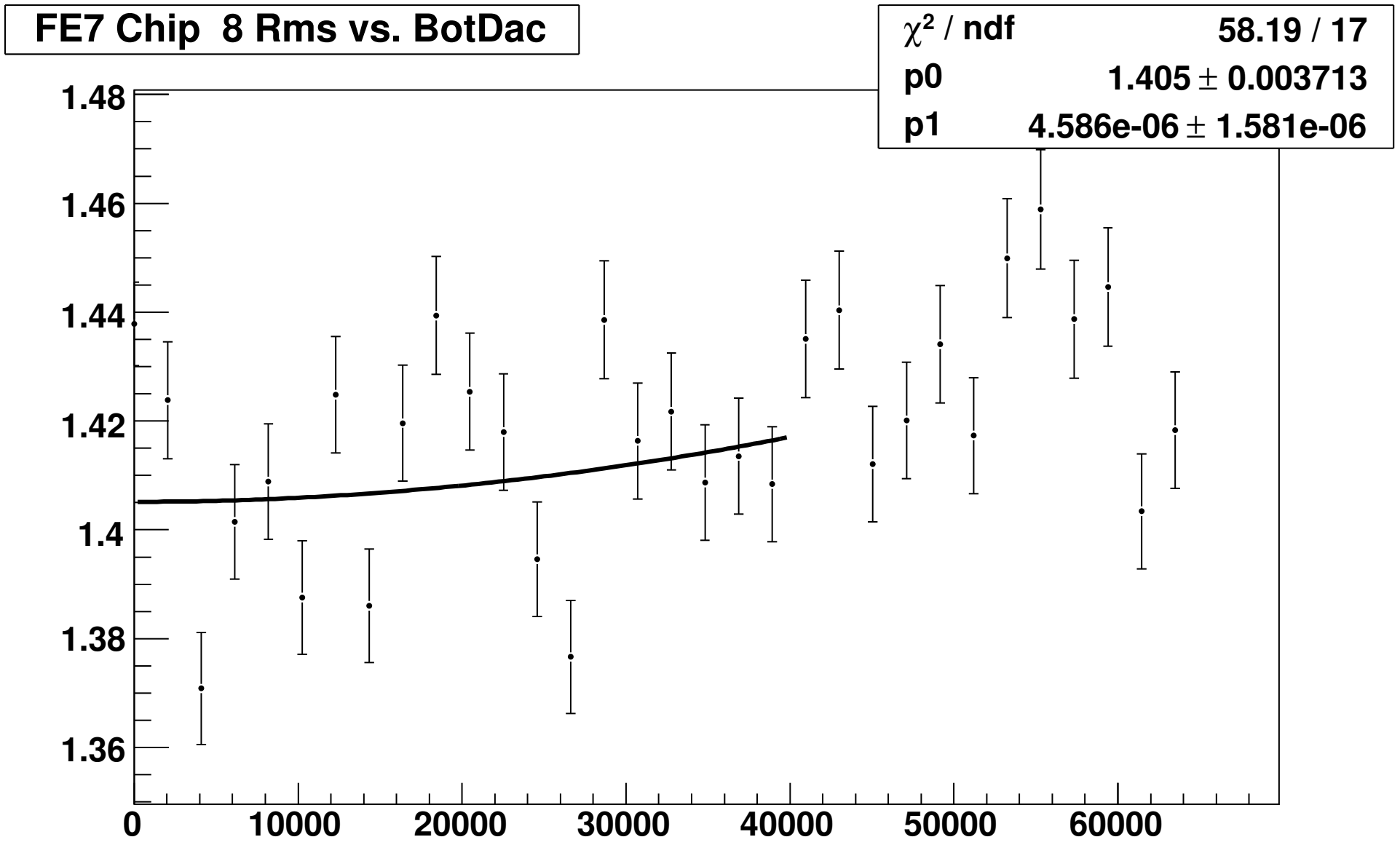

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 972.7 / 17
p0 6.722 ± 0.007691
p1 2.268e-06 ± 3.297e-07
7.4
7.2
7
6.8
6.6
0
10000
20000
30000
40000
50000
60000

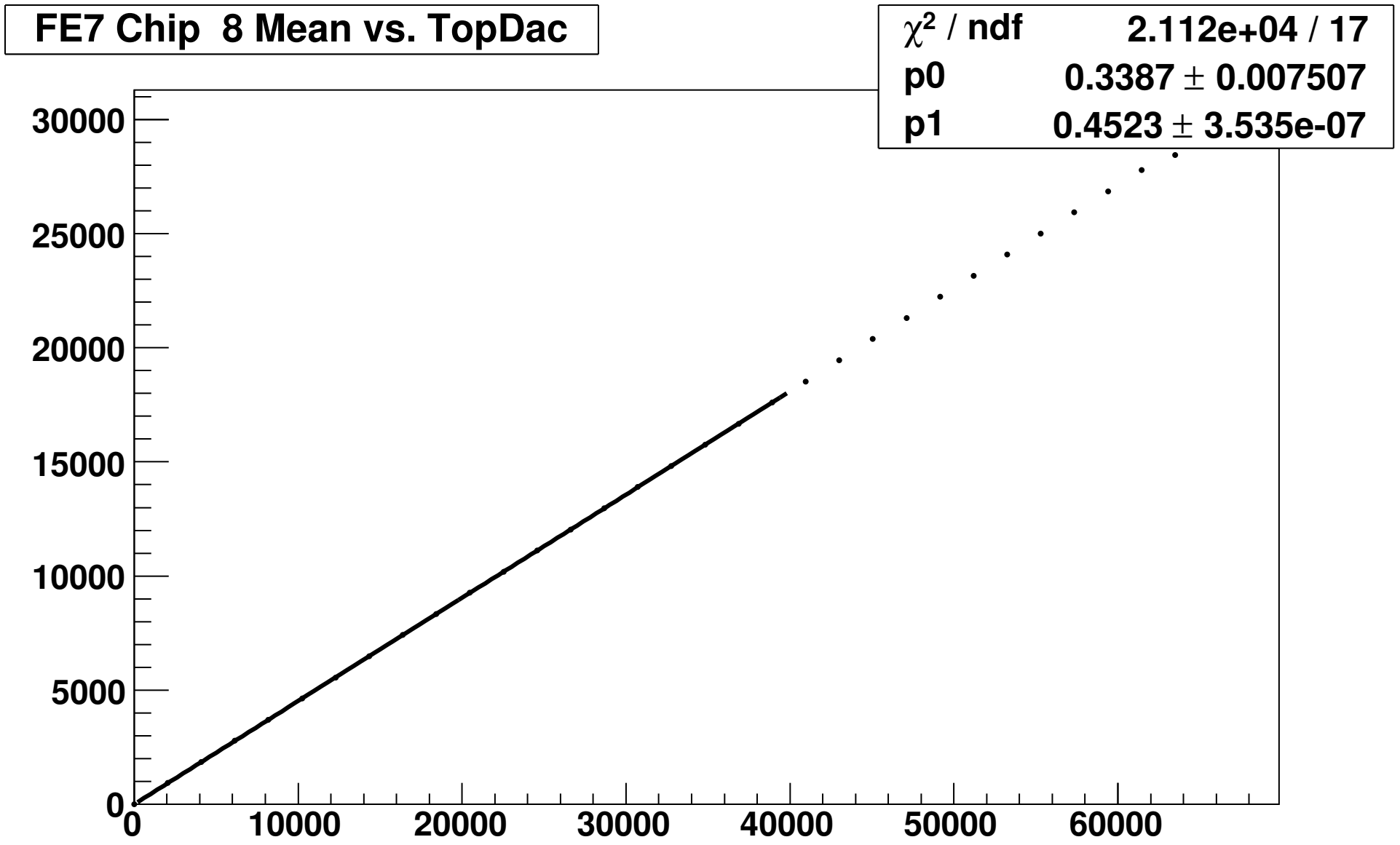

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 28.82 / 17
p0 1.521 ± 0.004012
p1 3.184e-06 ± 2.662e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000

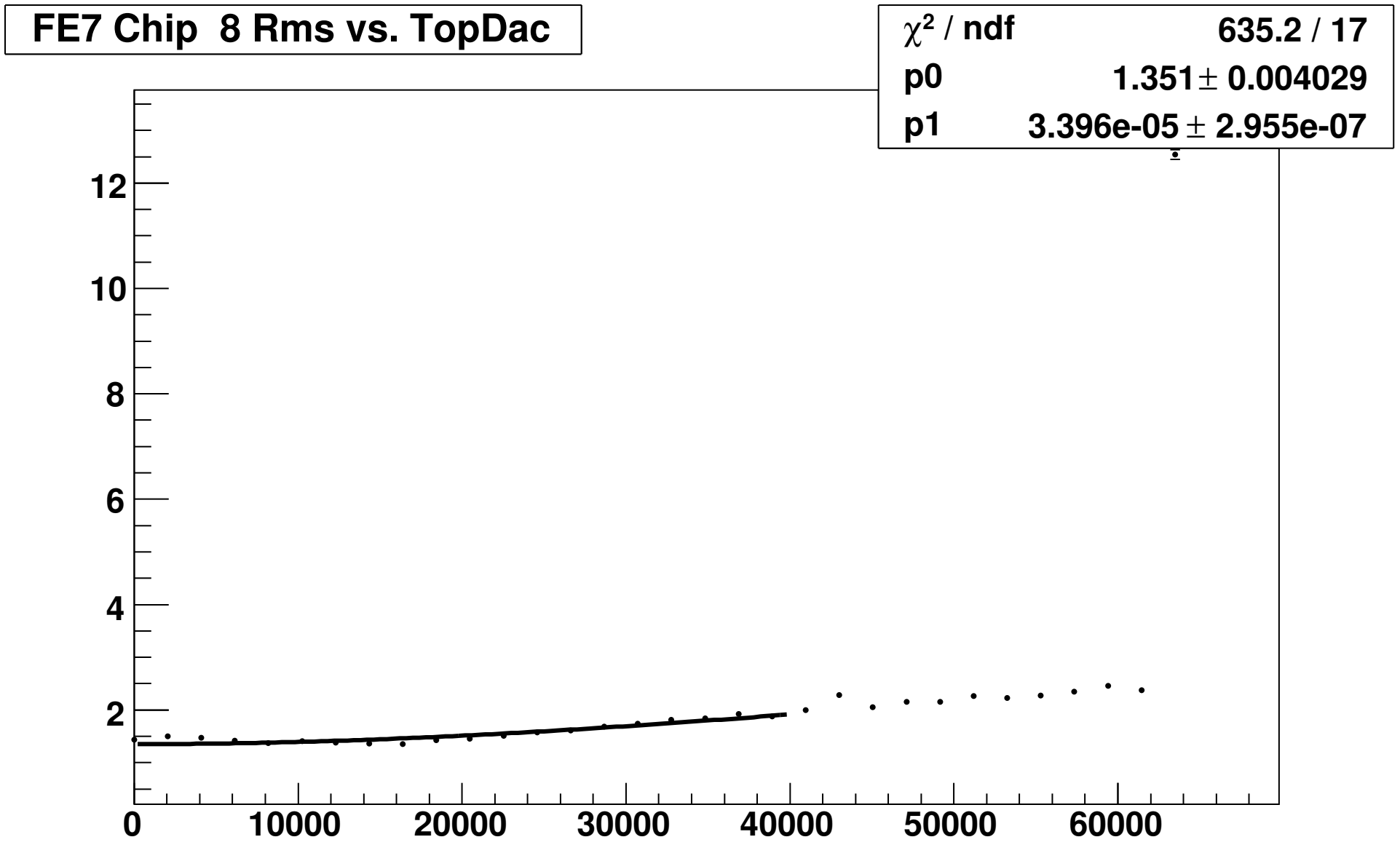

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 3.723e+04 / 17
p0 6.621 ± 0.007844
p1 0.4523 ± 3.688e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

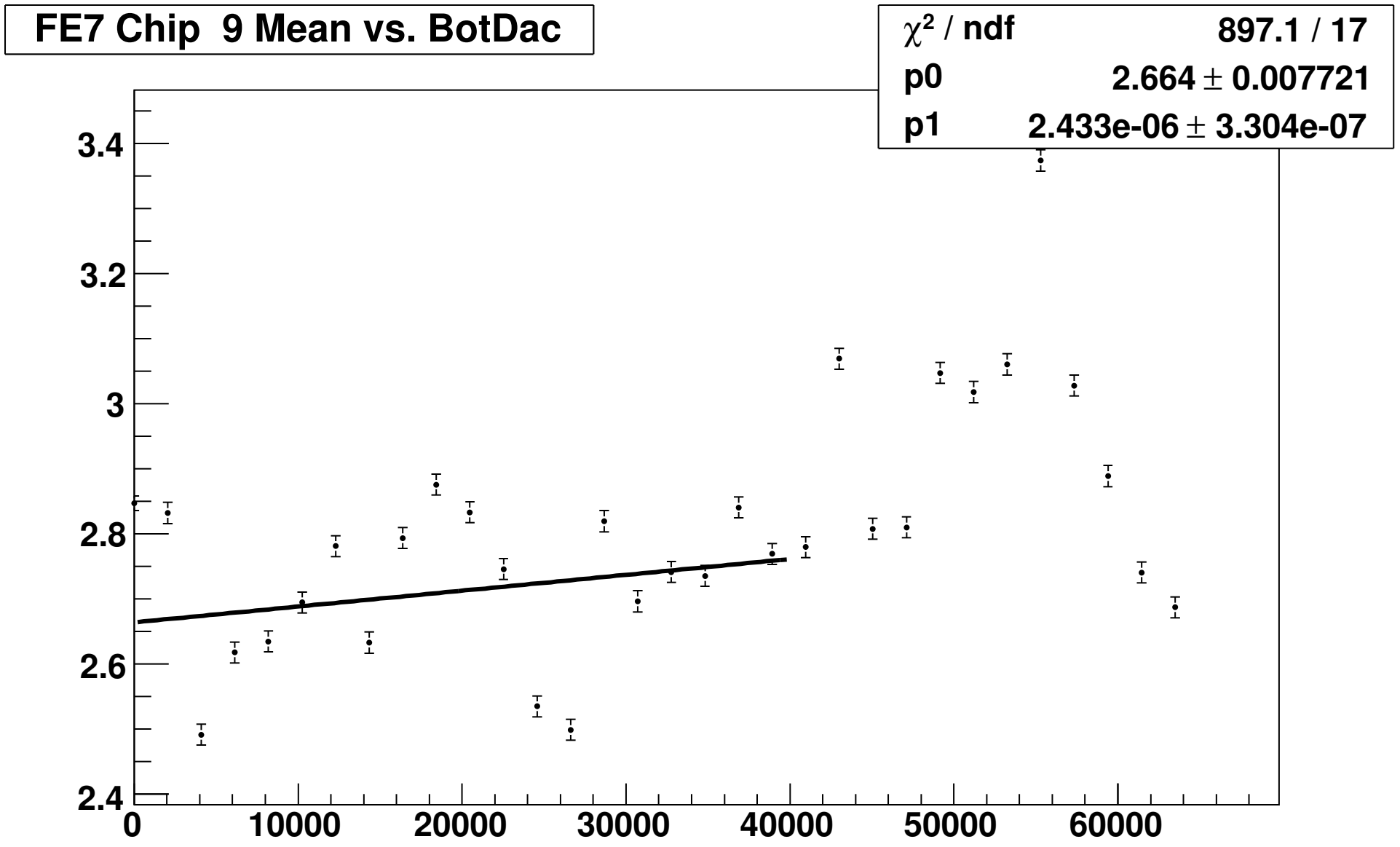

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 487 / 17
p0 1.419 ± 0.004218
p1 3.52e-05 ± 3.118e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

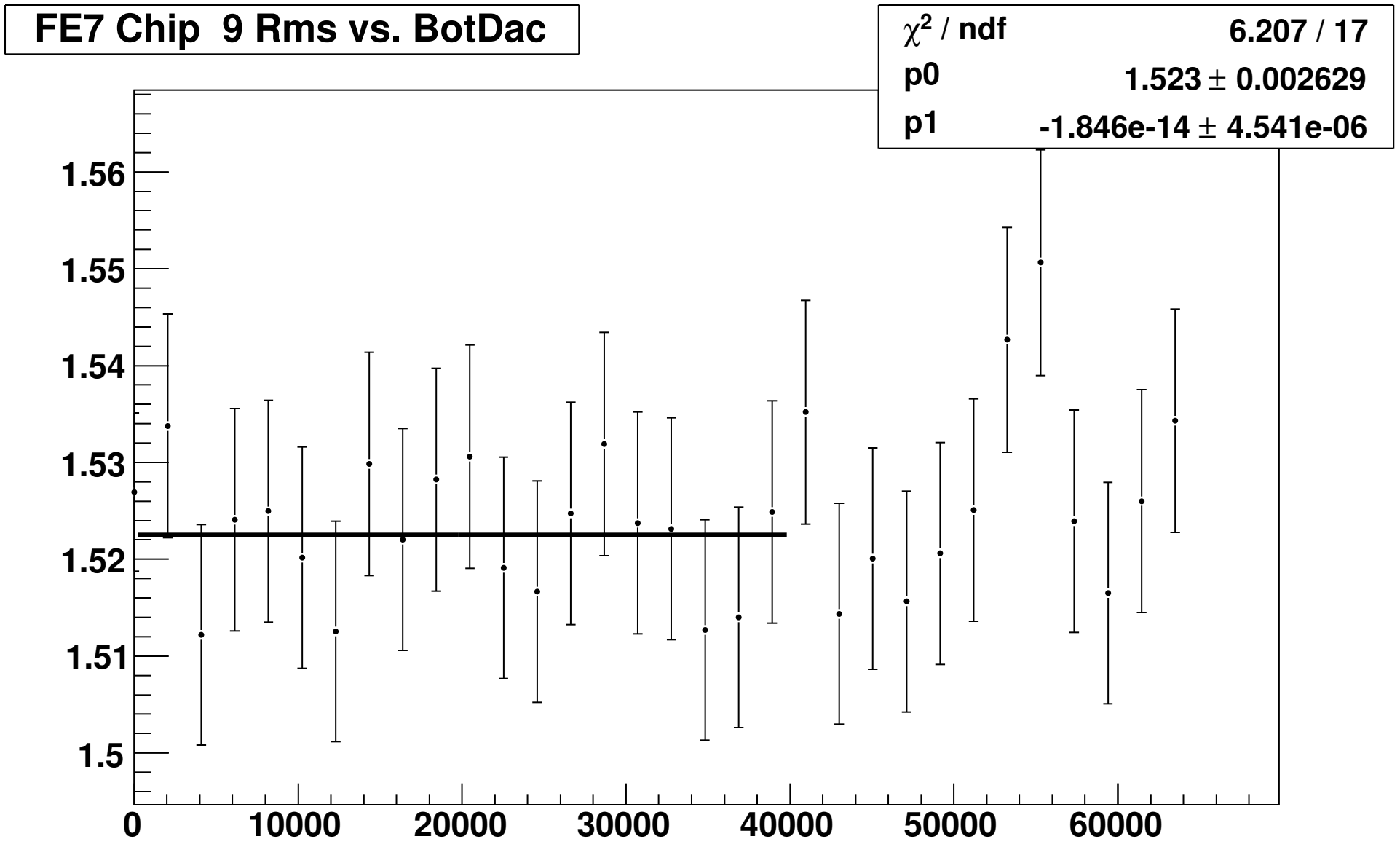

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 993.6 / 17
p0 0.6532 ± 0.007122
p1 2.167e-06 ± 3.057e-07
1.4
1.2
1
0.8
0.6
0.4
0
10000
20000
30000
40000
50000
60000

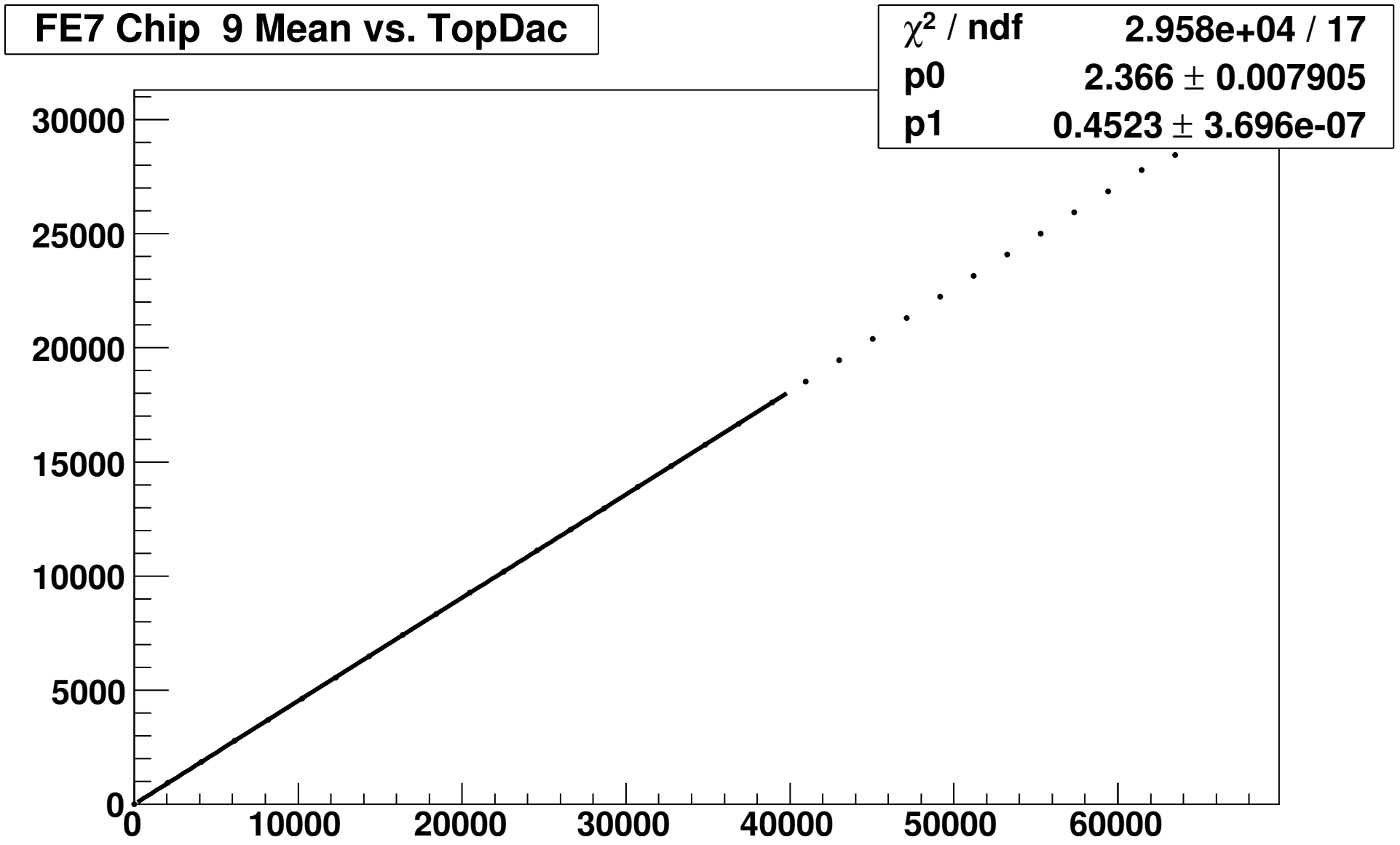

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 58.19 / 17
p0 1.405 ± 0.003713
p1 4.586e-06 ± 1.581e-06
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000

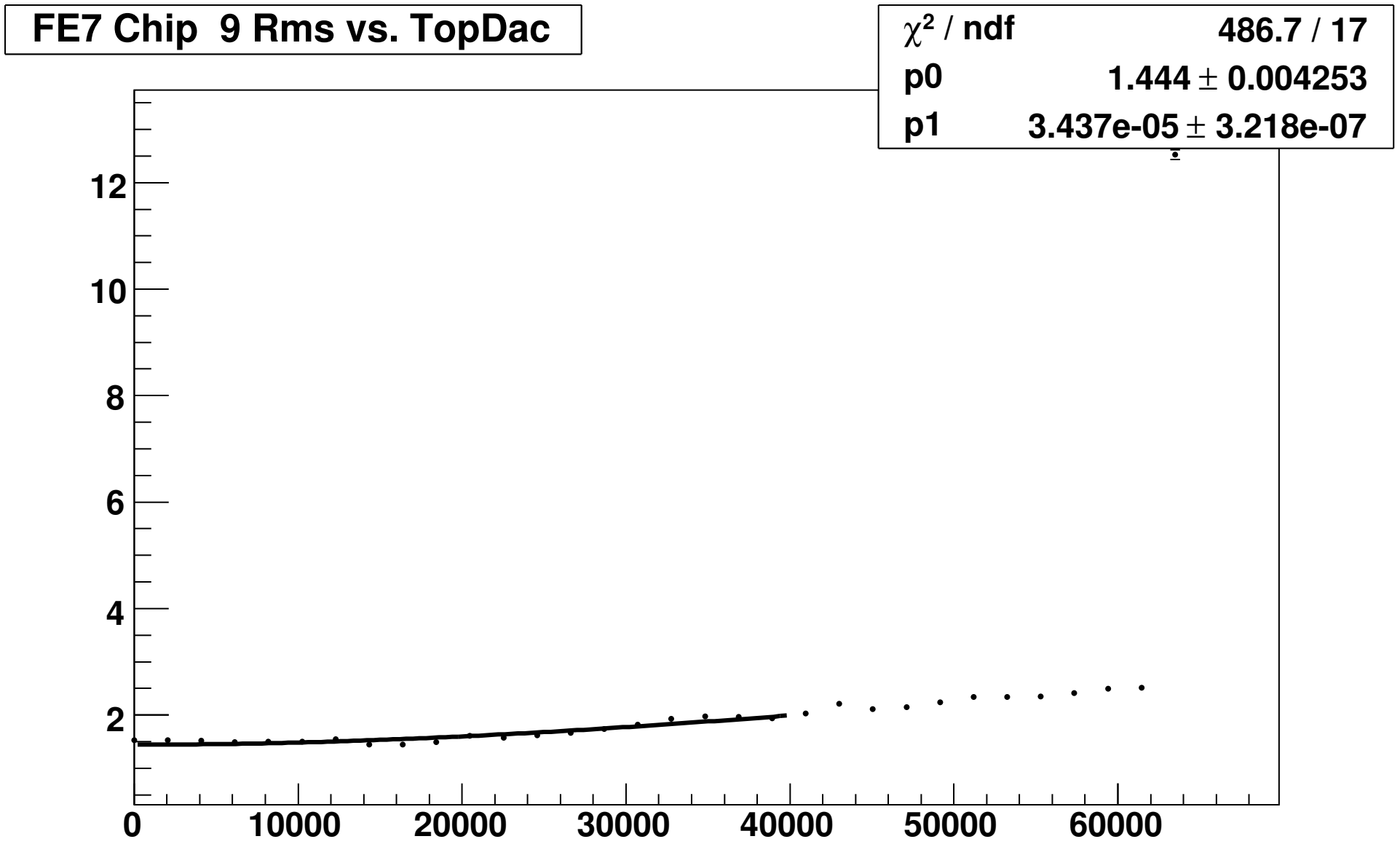

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 2.112e+04 / 17
p0 0.3387 ± 0.007507
p1 0.4523 ± 3.535e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

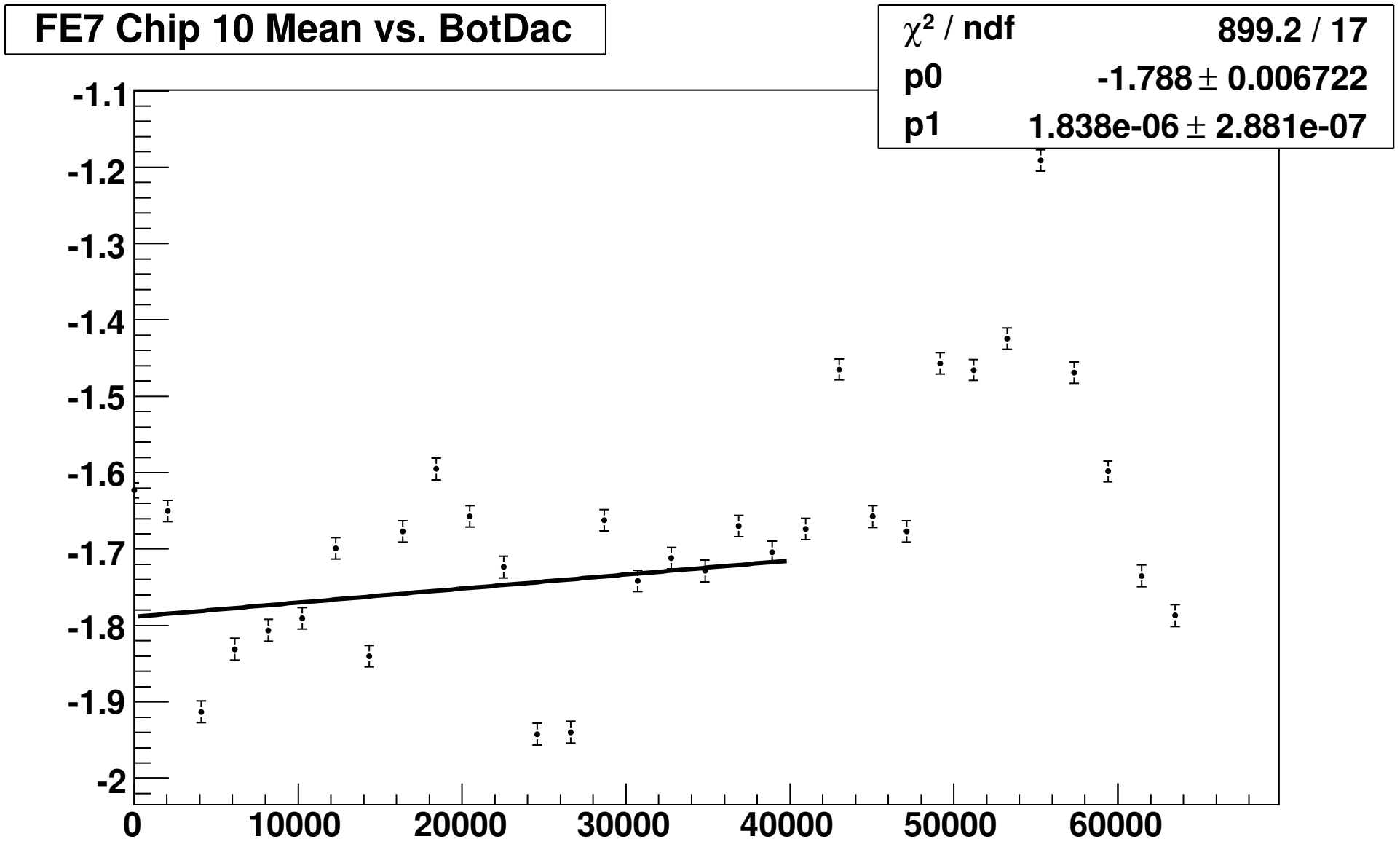

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 635.2 / 17
p0 1.351 ± 0.004029
p1 3.396e-05 ± 2.955e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

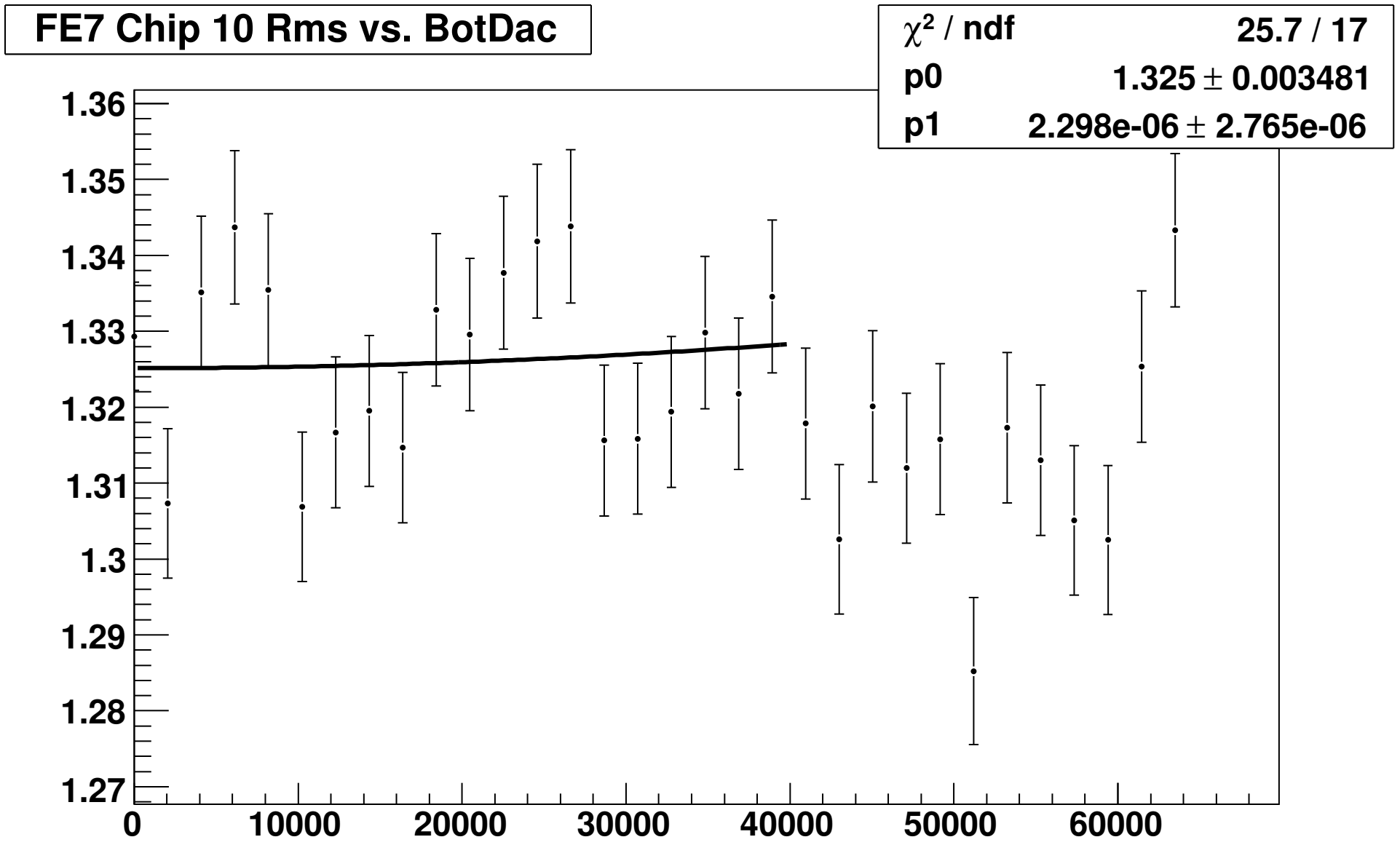

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 897.1 / 17
p0 2.664 ± 0.007721
p1 2.433e-06 ± 3.304e-07
3.4
3.2
3
2.8
2.6
2.4
0
10000
20000
30000
40000
50000
60000

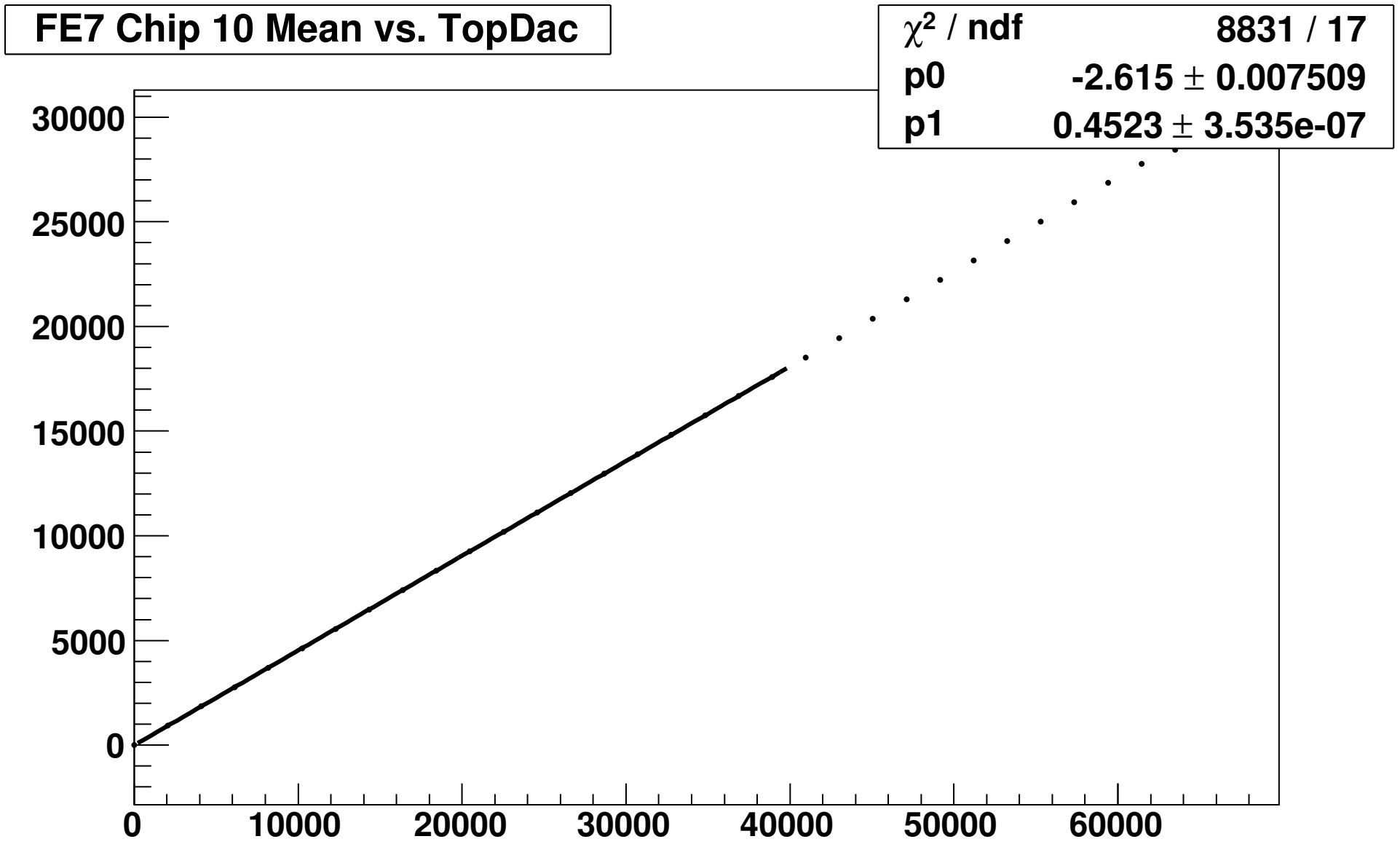

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 6.207 / 17
p0 1.523 ± 0.002629
p1 -1.846e-14 ± 4.541e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000

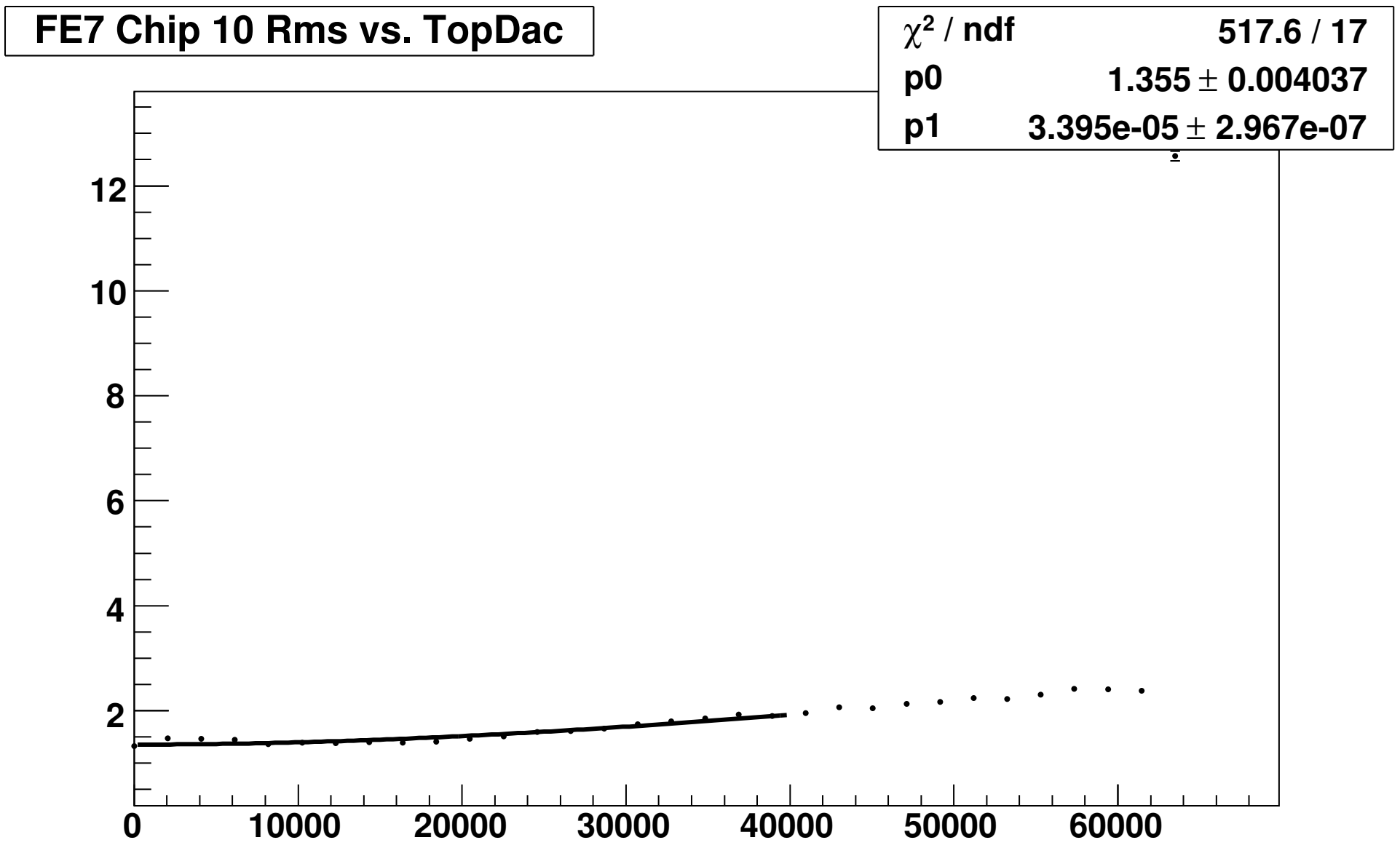

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 2.958e+04 / 17
p0 2.366 ± 0.007905
p1 0.4523 ± 3.696e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

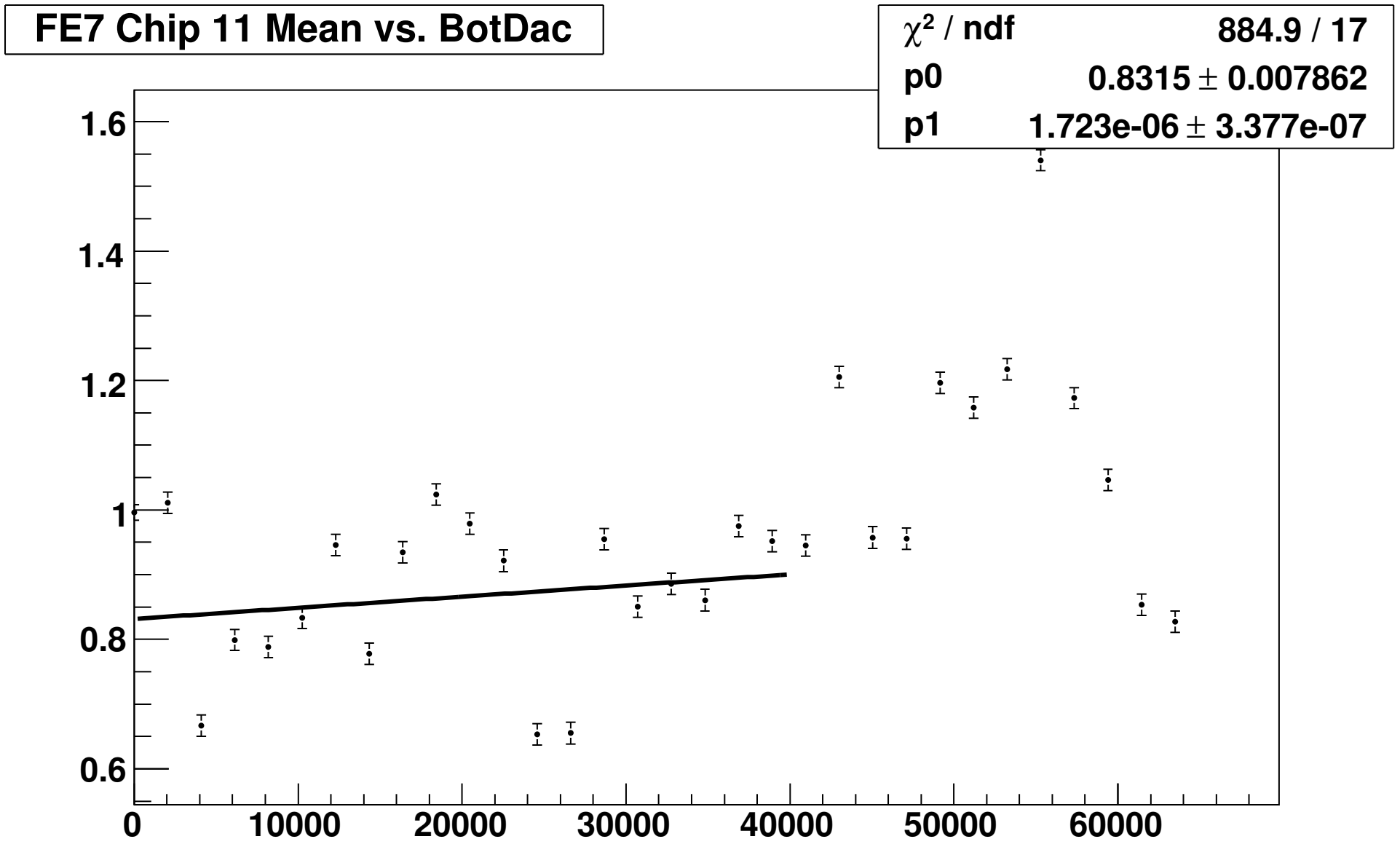

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 486.7 / 17
p0 1.444 ± 0.004253
p1 3.437e-05 ± 3.218e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

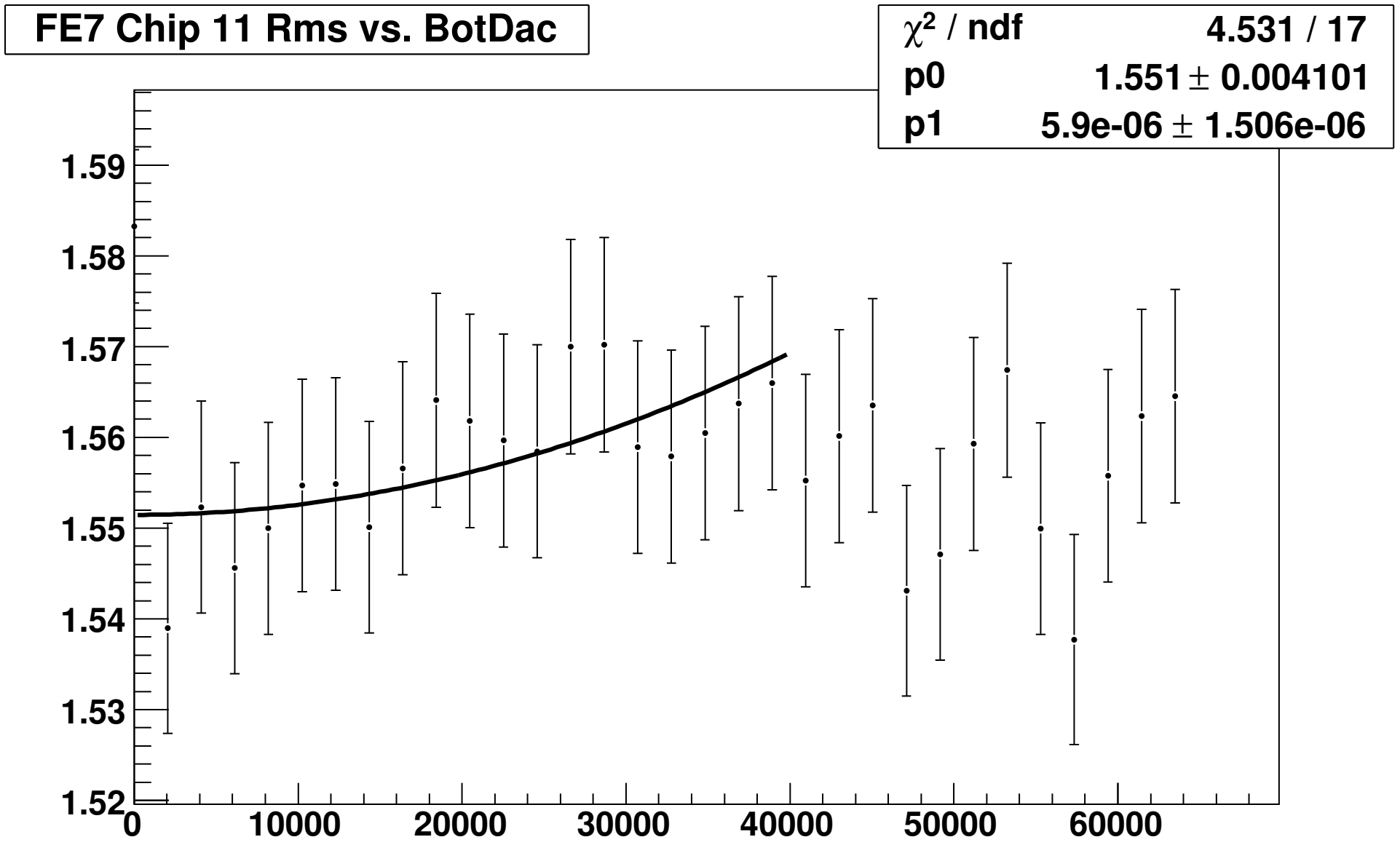

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 899.2 / 17
p0 -1.788 ± 0.006722
p1 1.838e-06 ± 2.881e-07
-1.1
-1.2
-1.3
-1.4
-1.5
-1.6
-1.7
-1.8
-1.9
-2
0
10000
20000
30000
40000
50000
60000

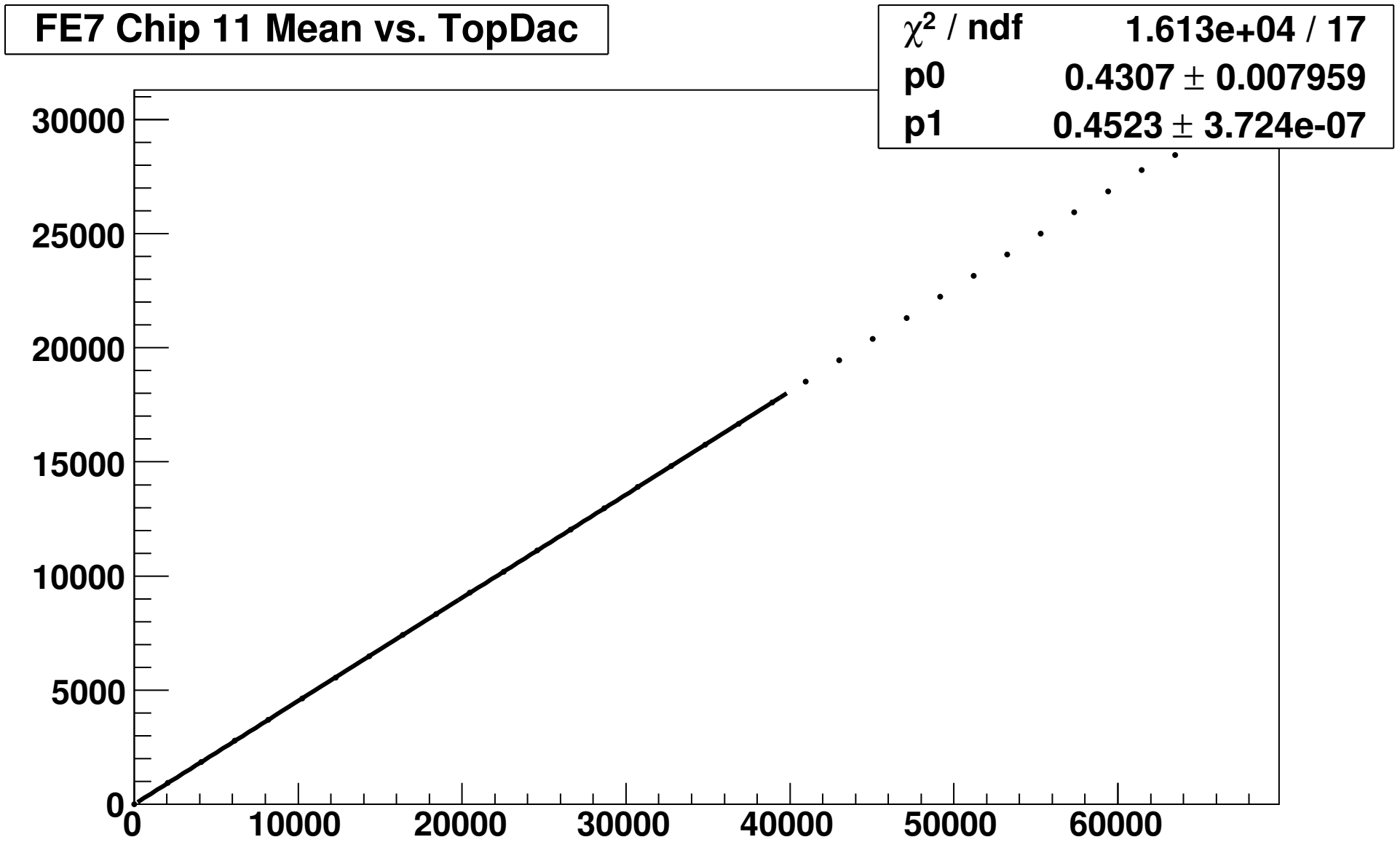

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 25.7 / 17
p0 1.325 ± 0.003481
p1 2.298e-06 ± 2.765e-06
1.36
1.35
1.34
1.33
1.32
1.31
1.3
1.29
1.28
1.27
0
10000
20000
30000
40000
50000
60000

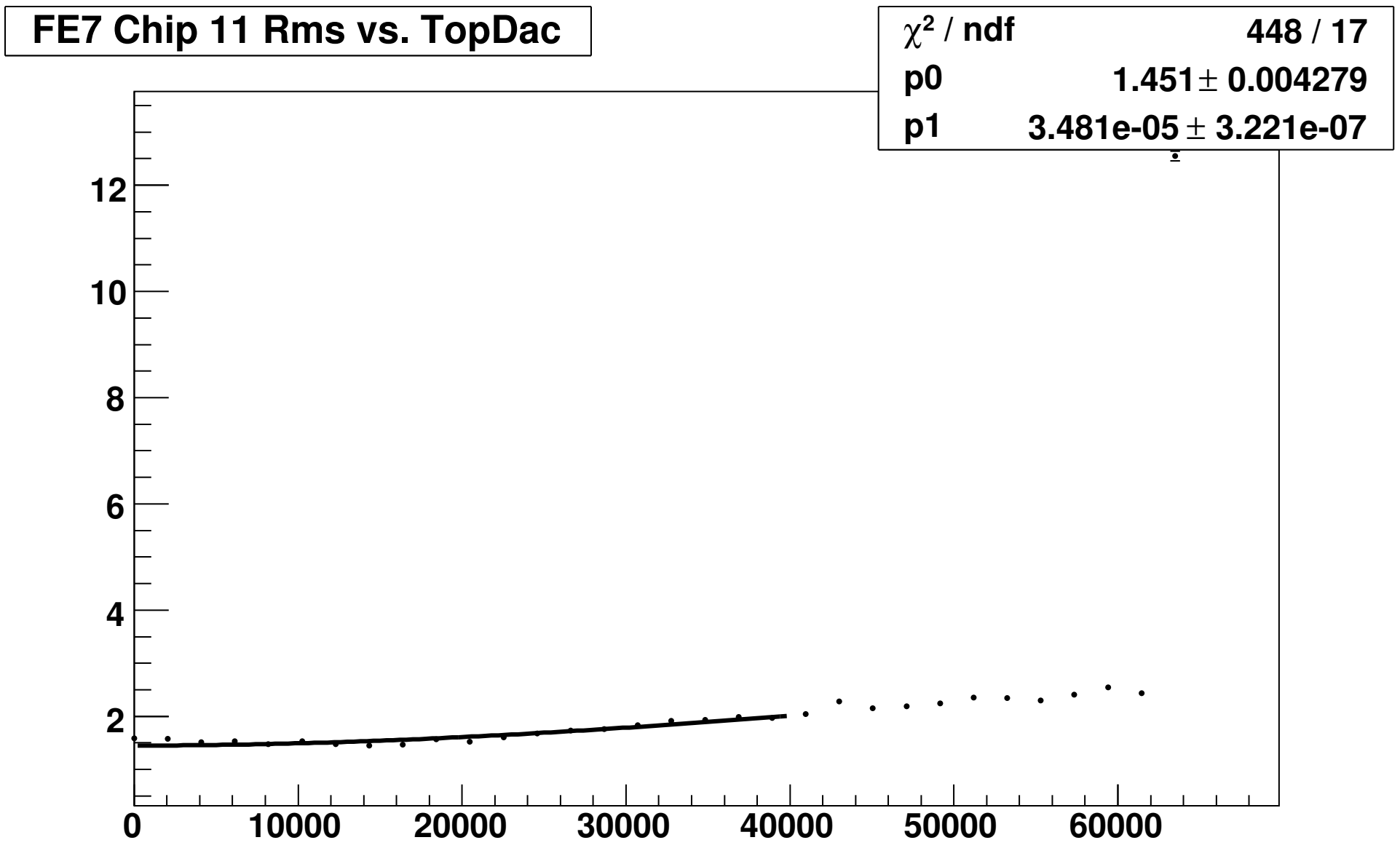

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 8831 / 17
p0 -2.615 ± 0.007509
p1 0.4523 ± 3.535e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

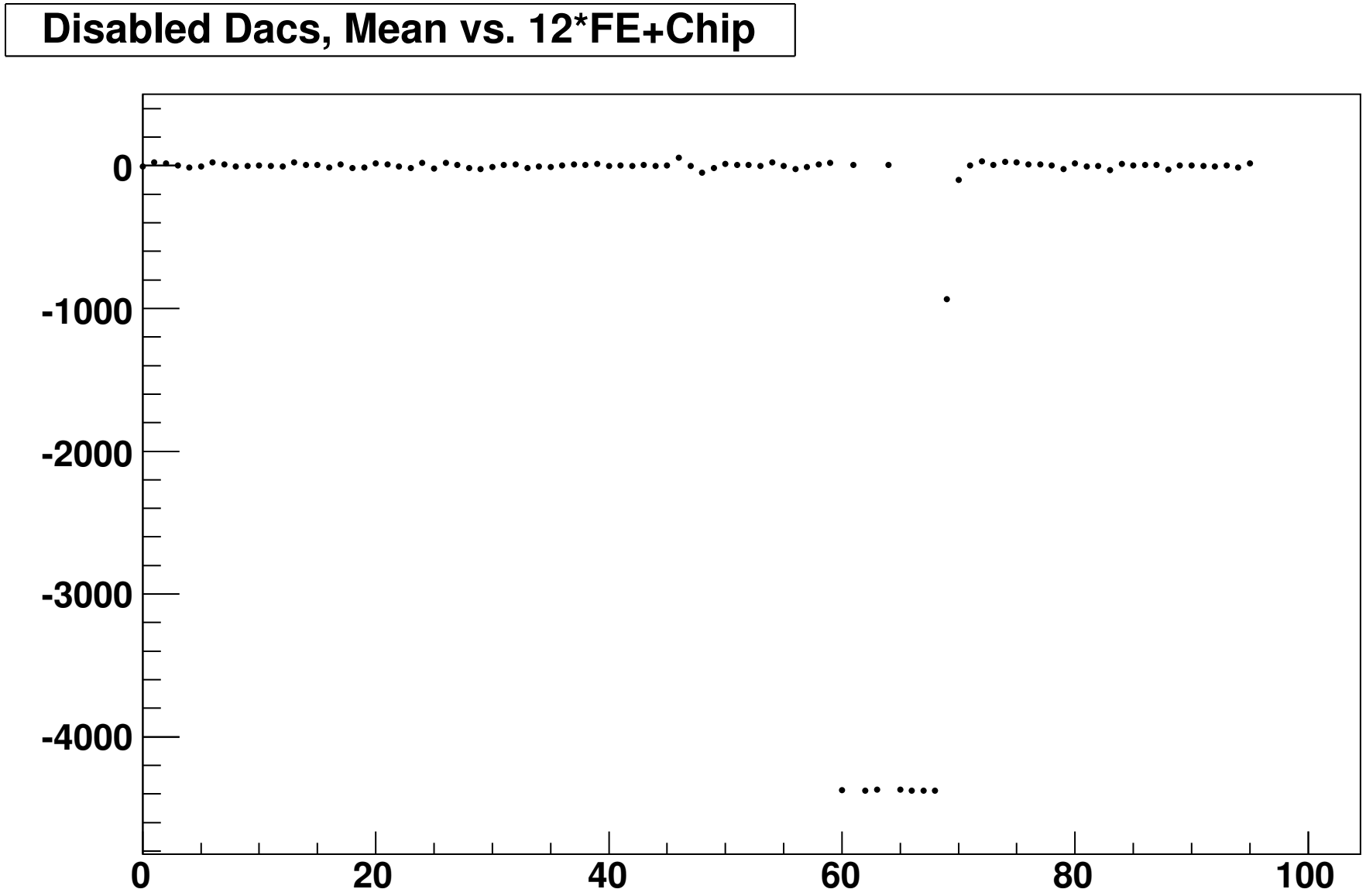

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 517.6 / 17
p0 1.355 ± 0.004037
p1 3.395e-05 ± 2.967e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

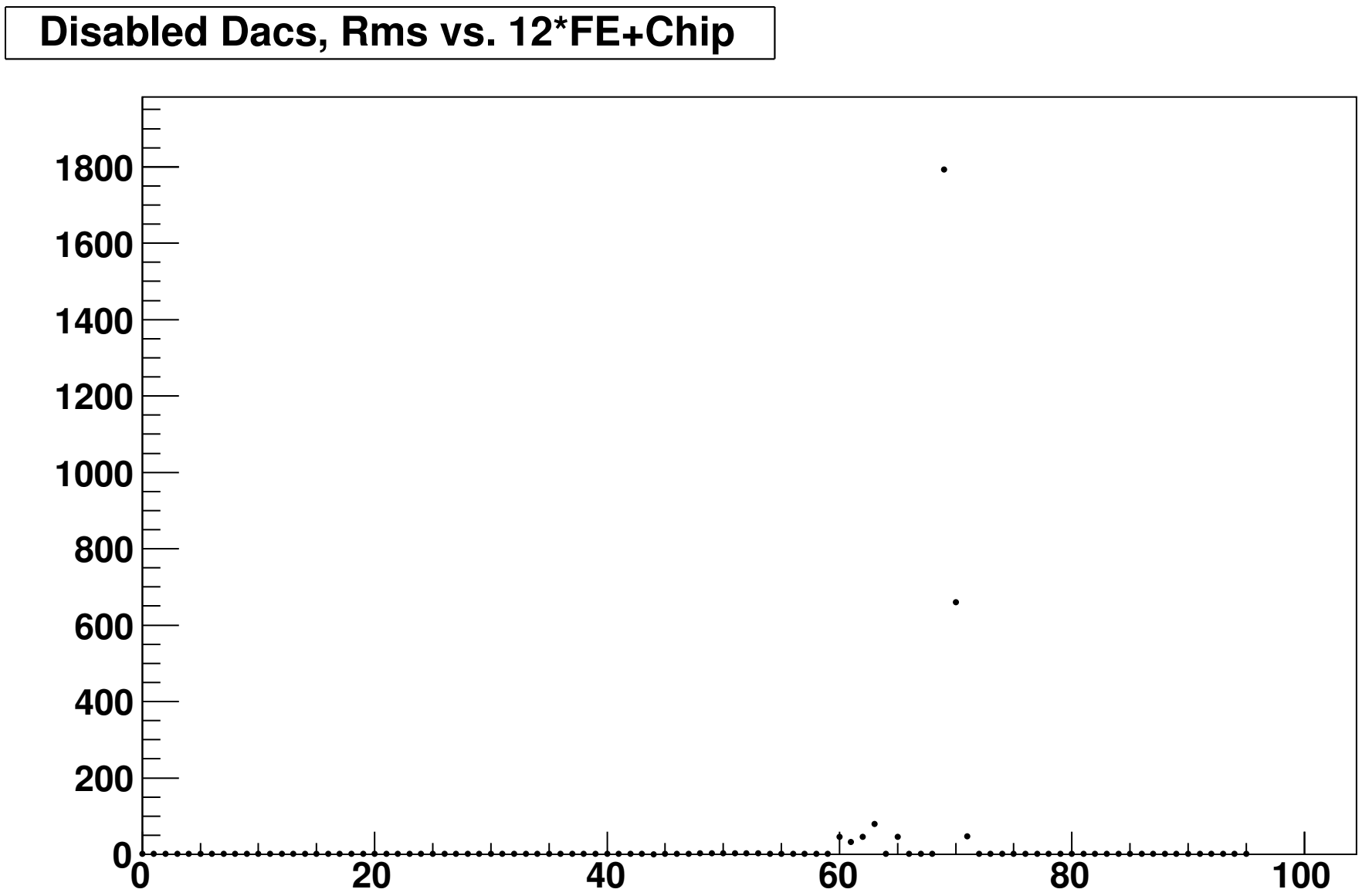

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 884.9 / 17
p0 0.8315 ± 0.007862
p1 1.723e-06 ± 3.377e-07
1.6
1.4
1.2
1
0.8
0.6
0
10000
20000
30000
40000
50000
60000

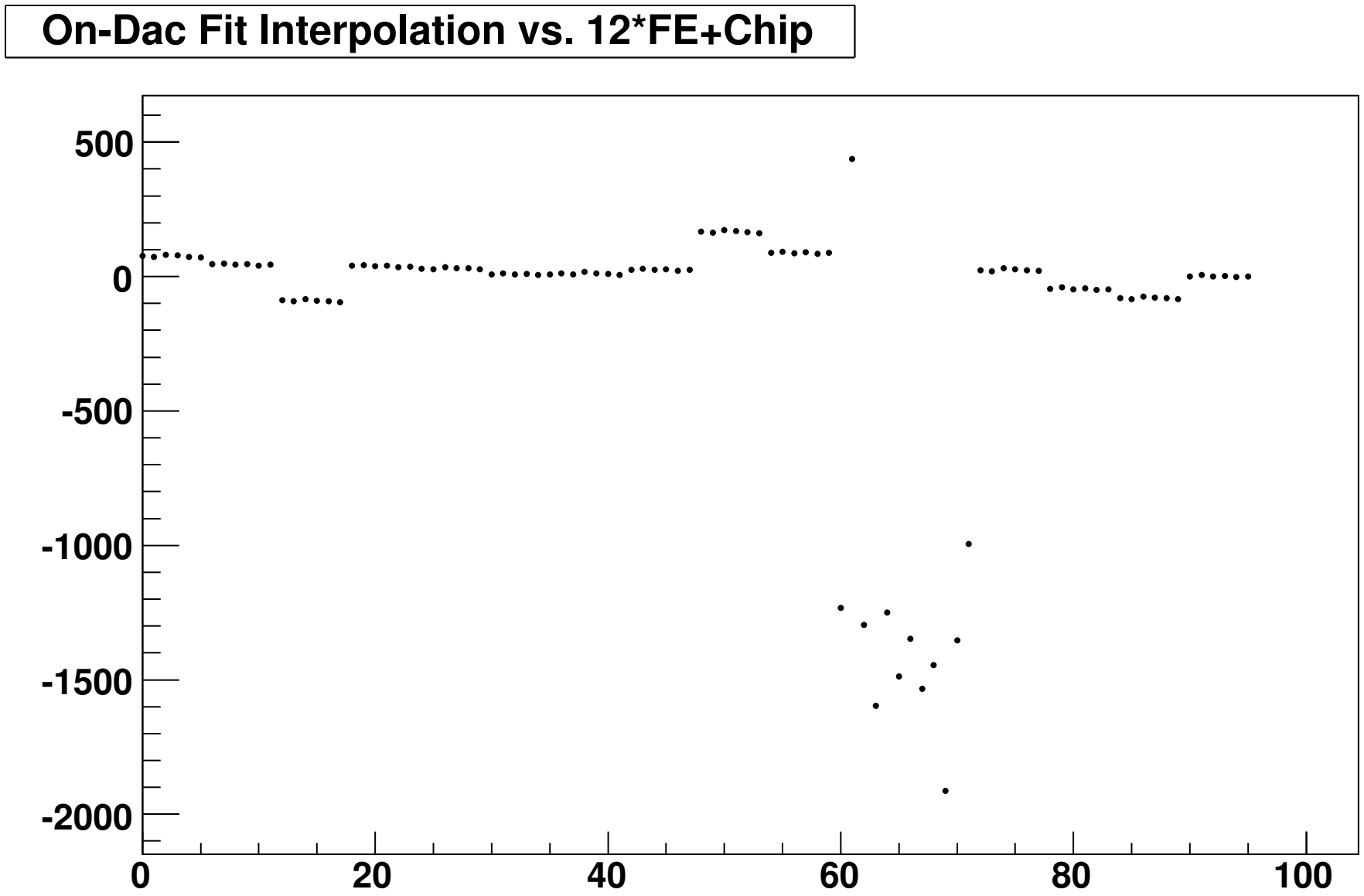

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 4.531 / 17
p0 1.551 ± 0.004101
p1 5.9e-06 ± 1.506e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000

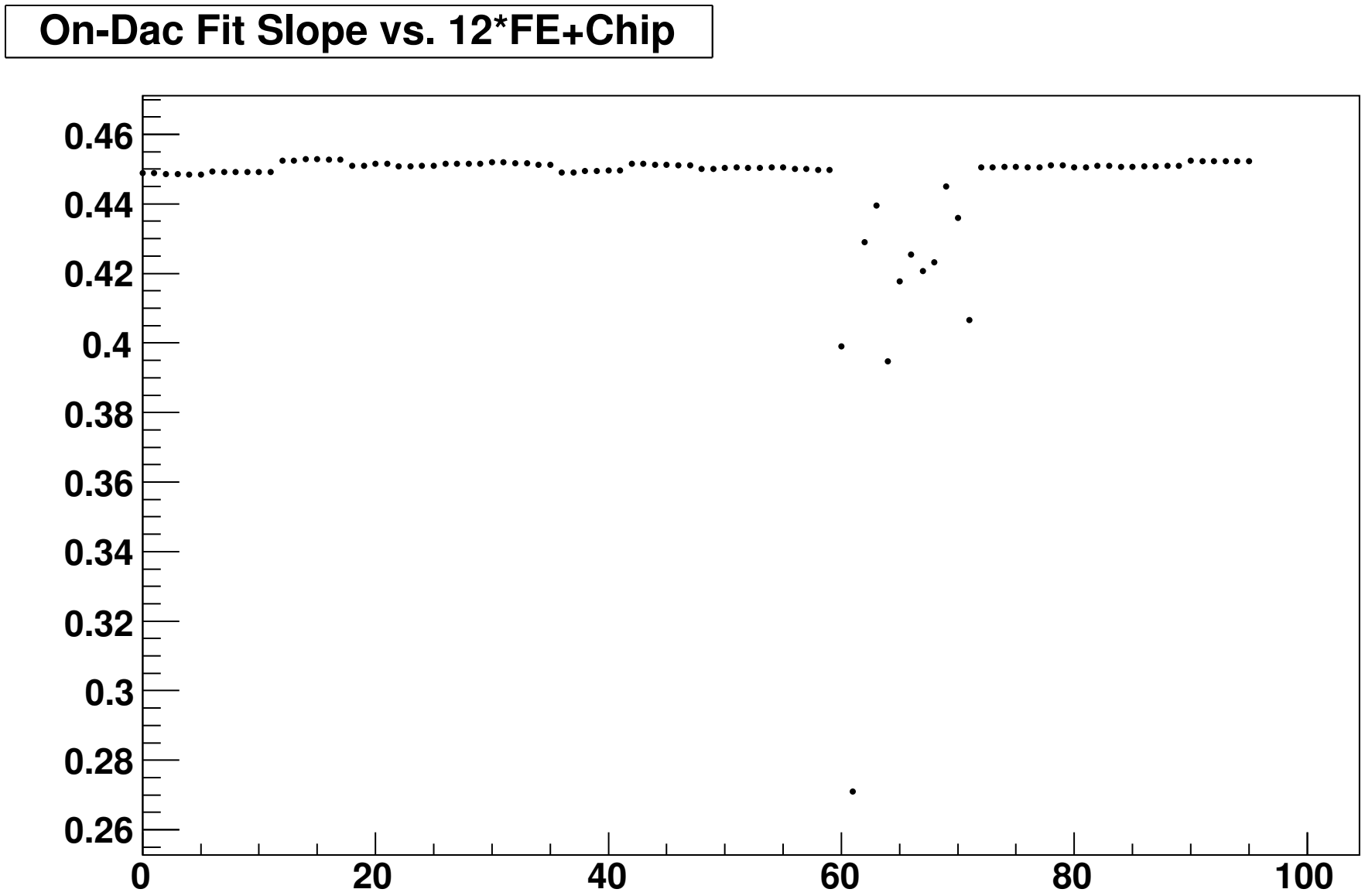

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.613e+04 / 17
p0 0.4307 ± 0.007959
p1 0.4523 ± 3.724e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

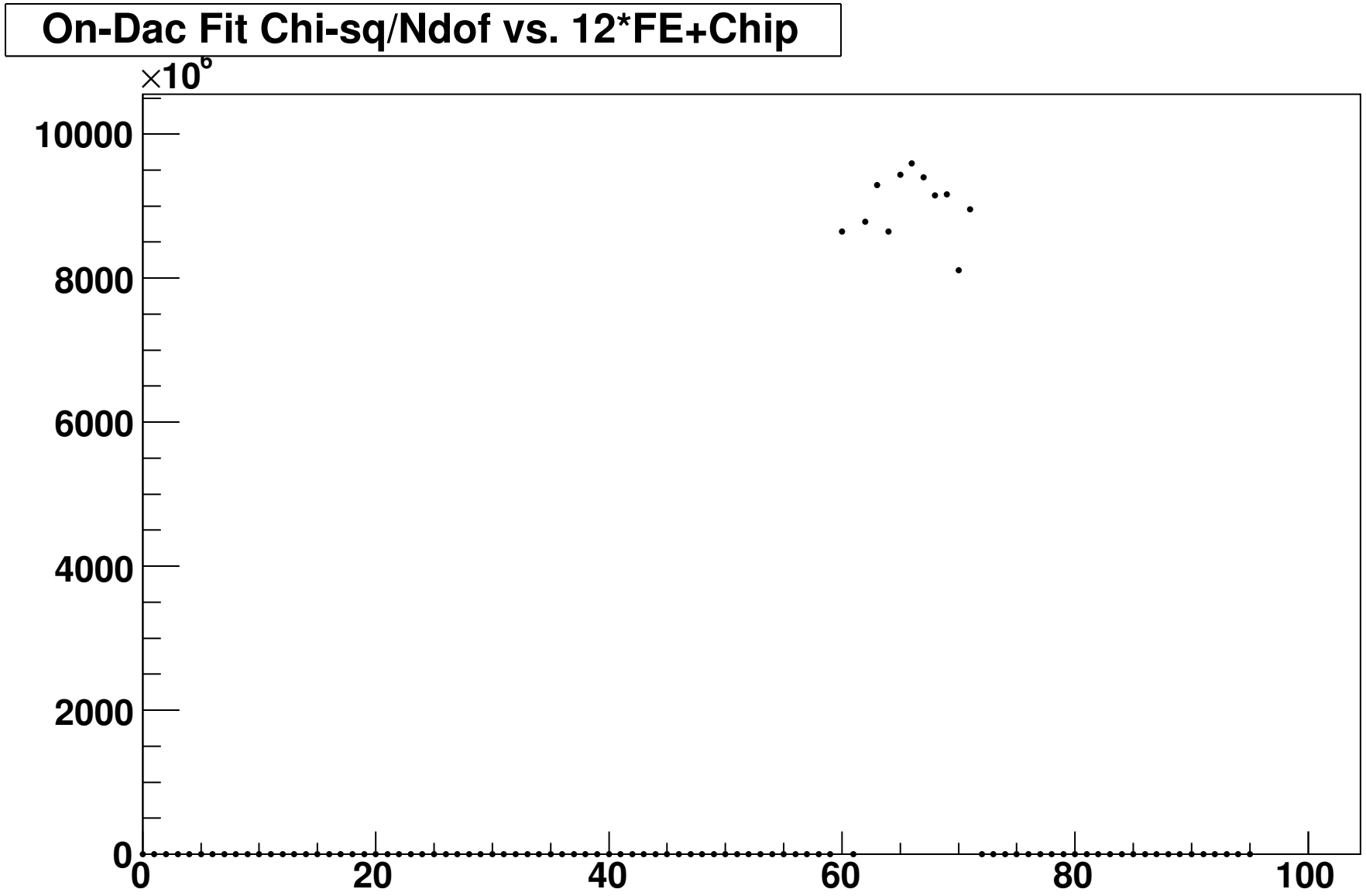

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 448 / 17
p0 1.451 ± 0.004279
p1 3.481e-05 ± 3.221e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

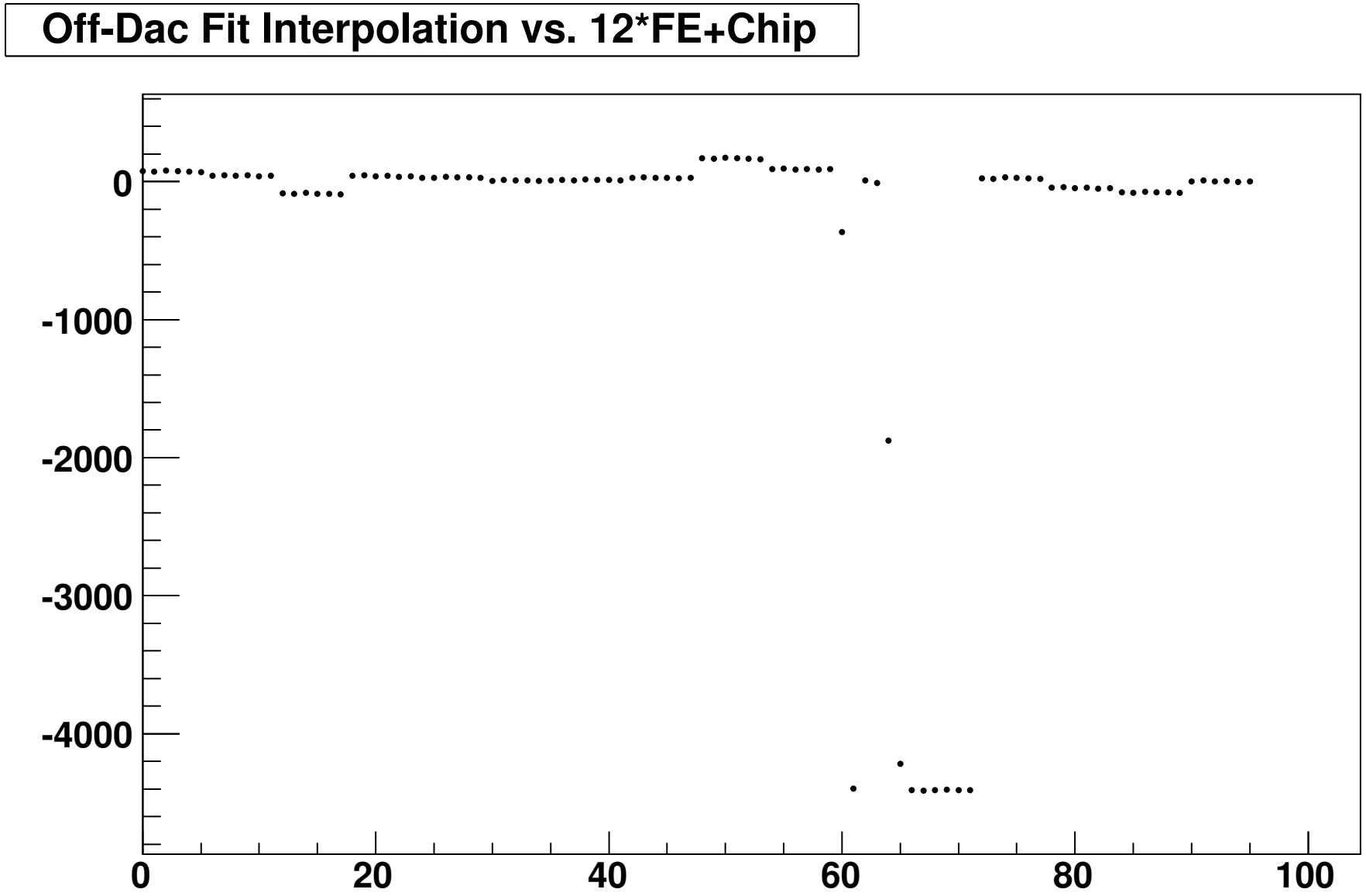

Disabled Dacs, Mean vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

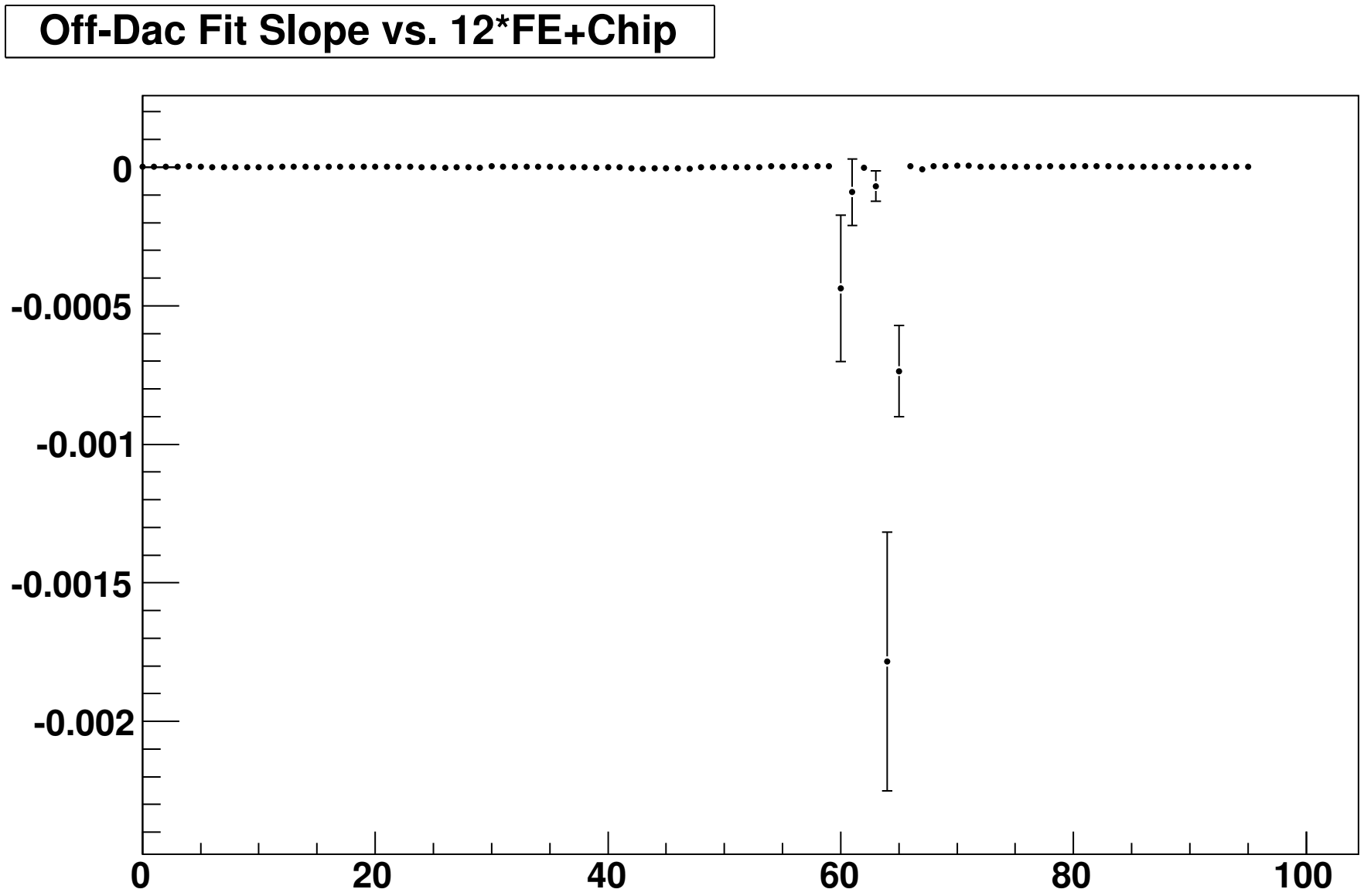

Disabled Dacs, Rms vs. 12*FE+Chip
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

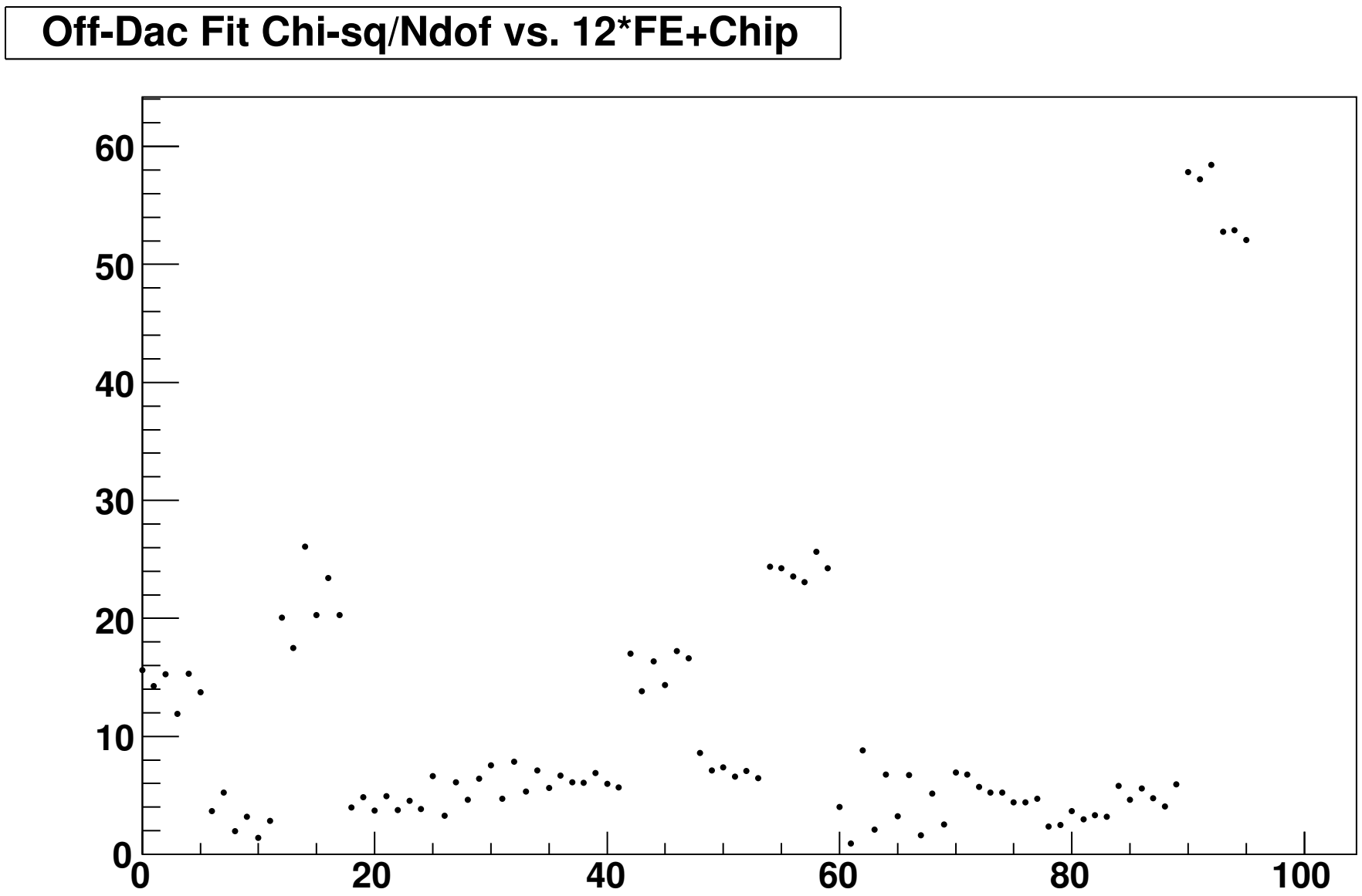

On-Dac Fit Interpolation vs. 12*FE+Chip
500
0
-500
-1000
-1500
-2000
0
20
40
60
80
100

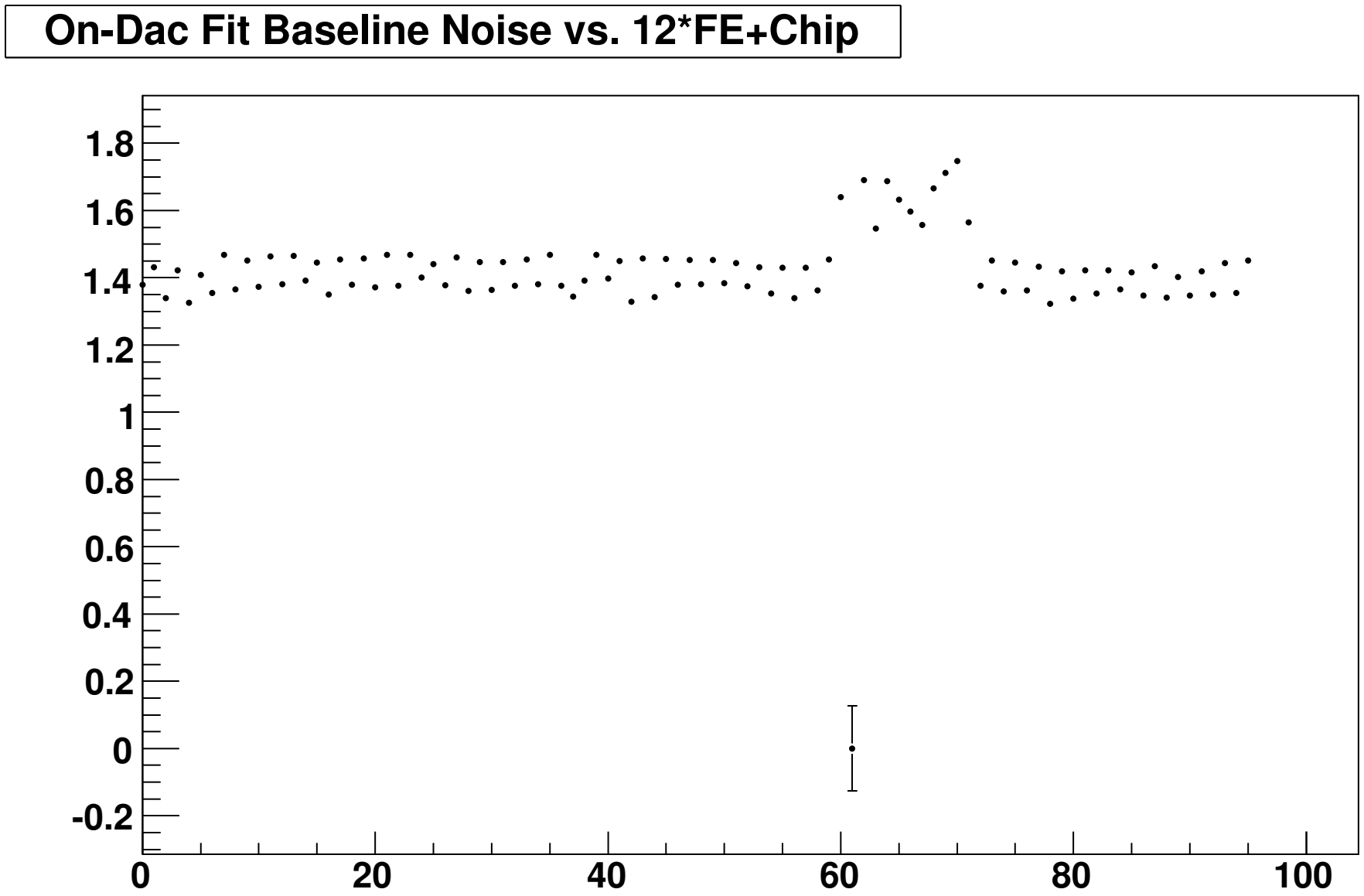

On-Dac Fit Slope vs. 12*FE+Chip
0.46
0.44
0.42
0.4
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0
20
40
60
80
100

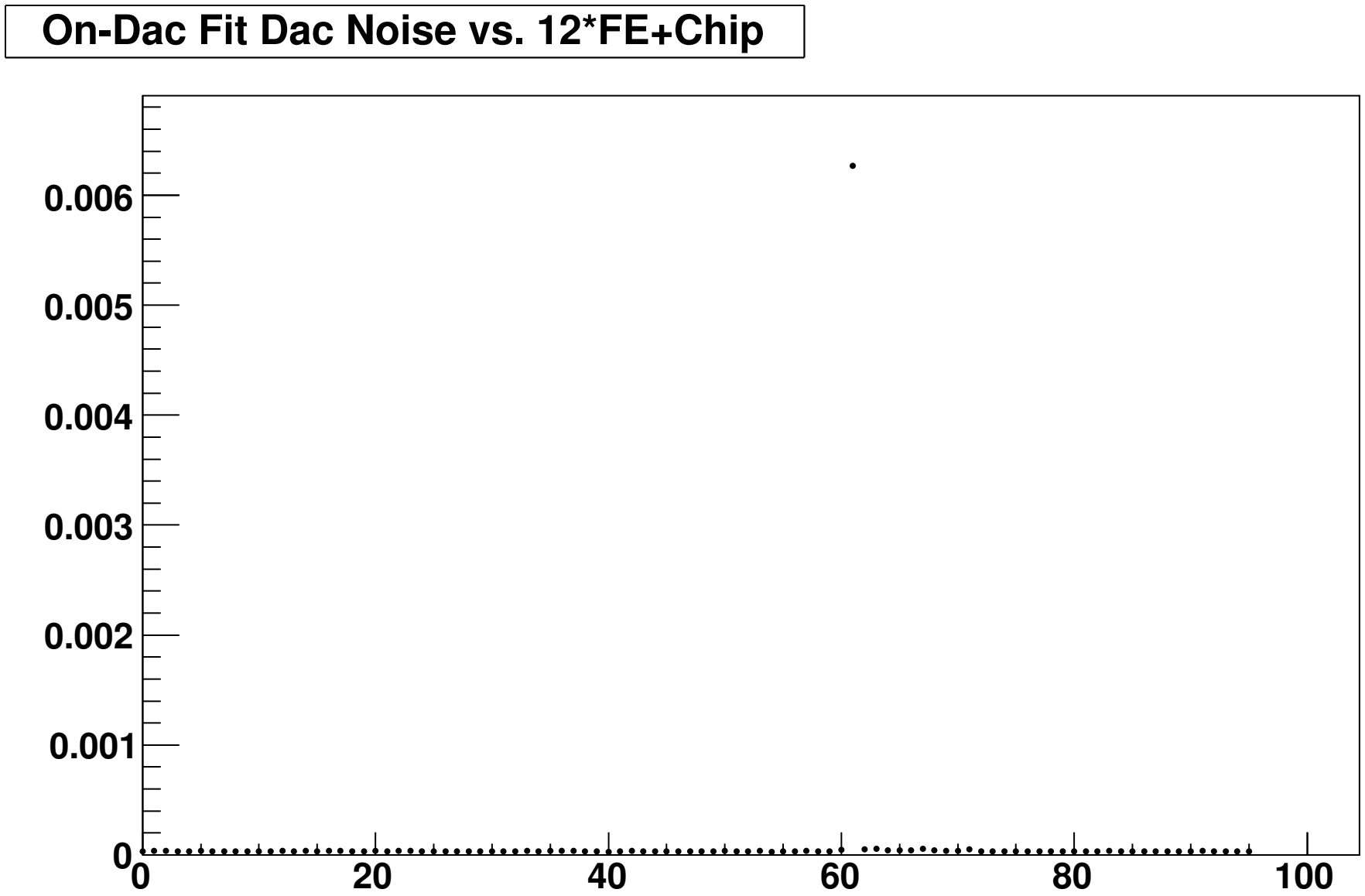

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

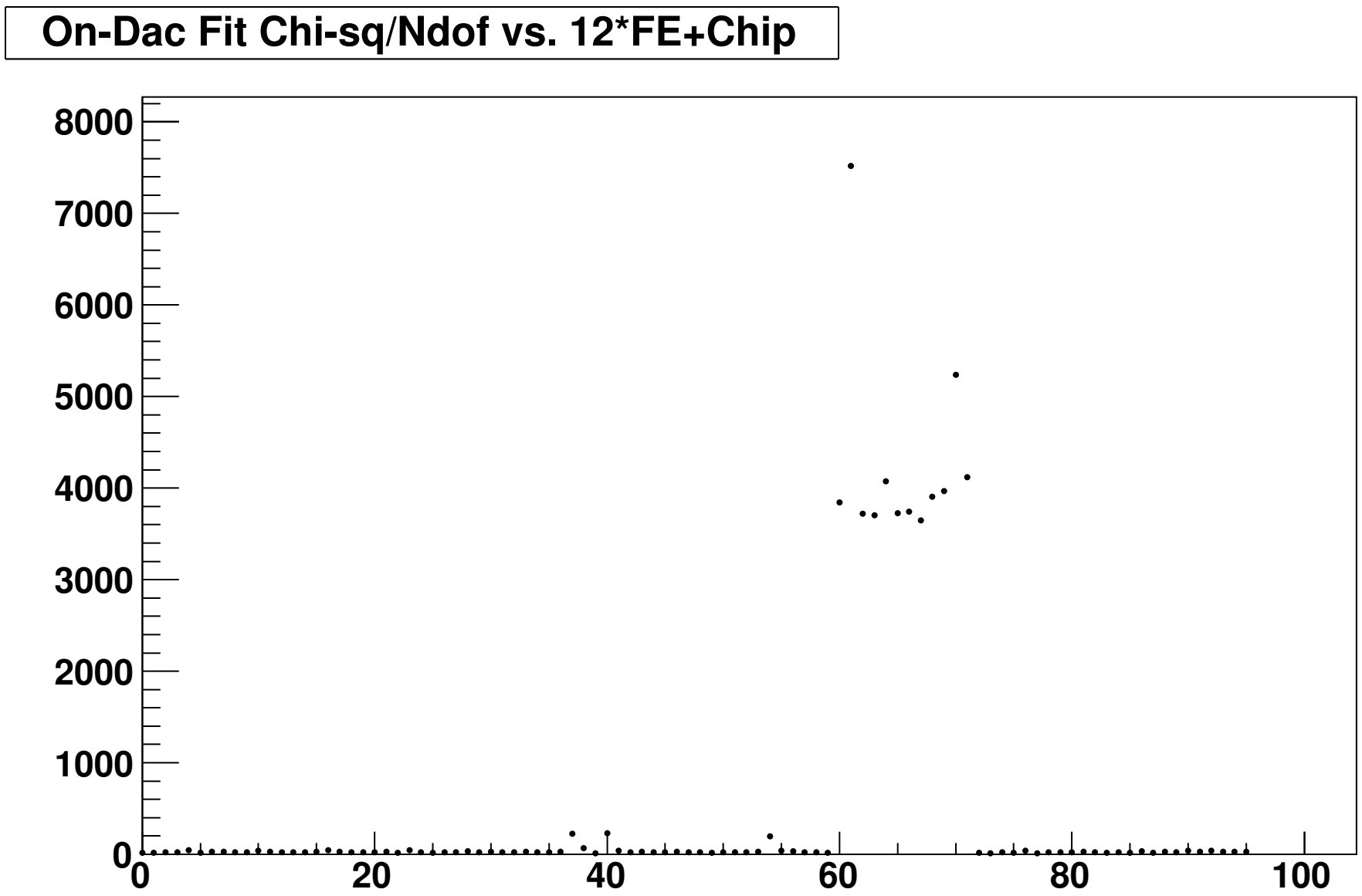

Off-Dac Fit Interpolation vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

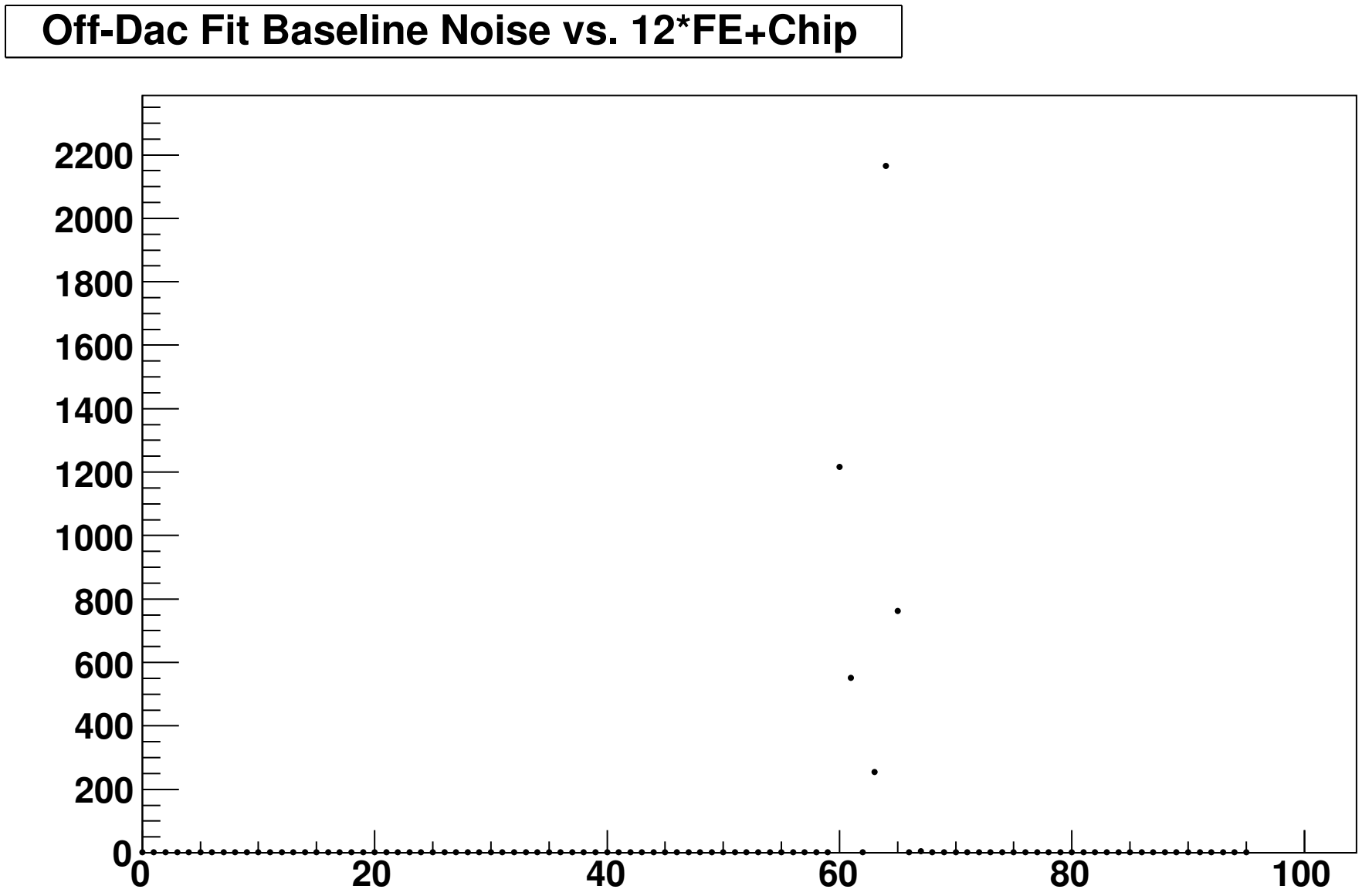

Off-Dac Fit Slope vs. 12*FE+Chip
0
-0.0005
-0.001
-0.0015
-0.002
0
20
40
60
80
100

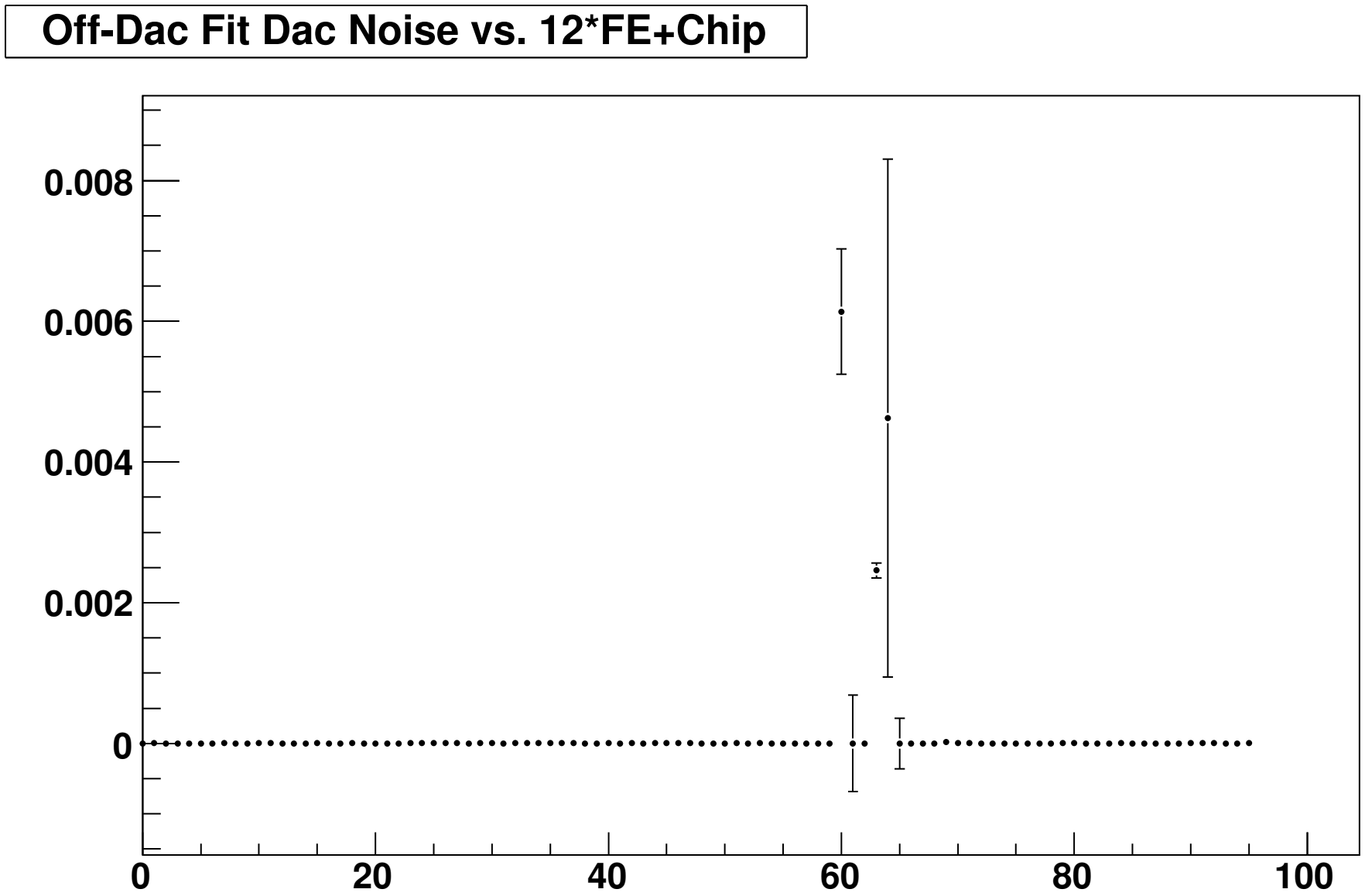

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
60
50
40
30
20
10
0
0
20
40
60
80
100

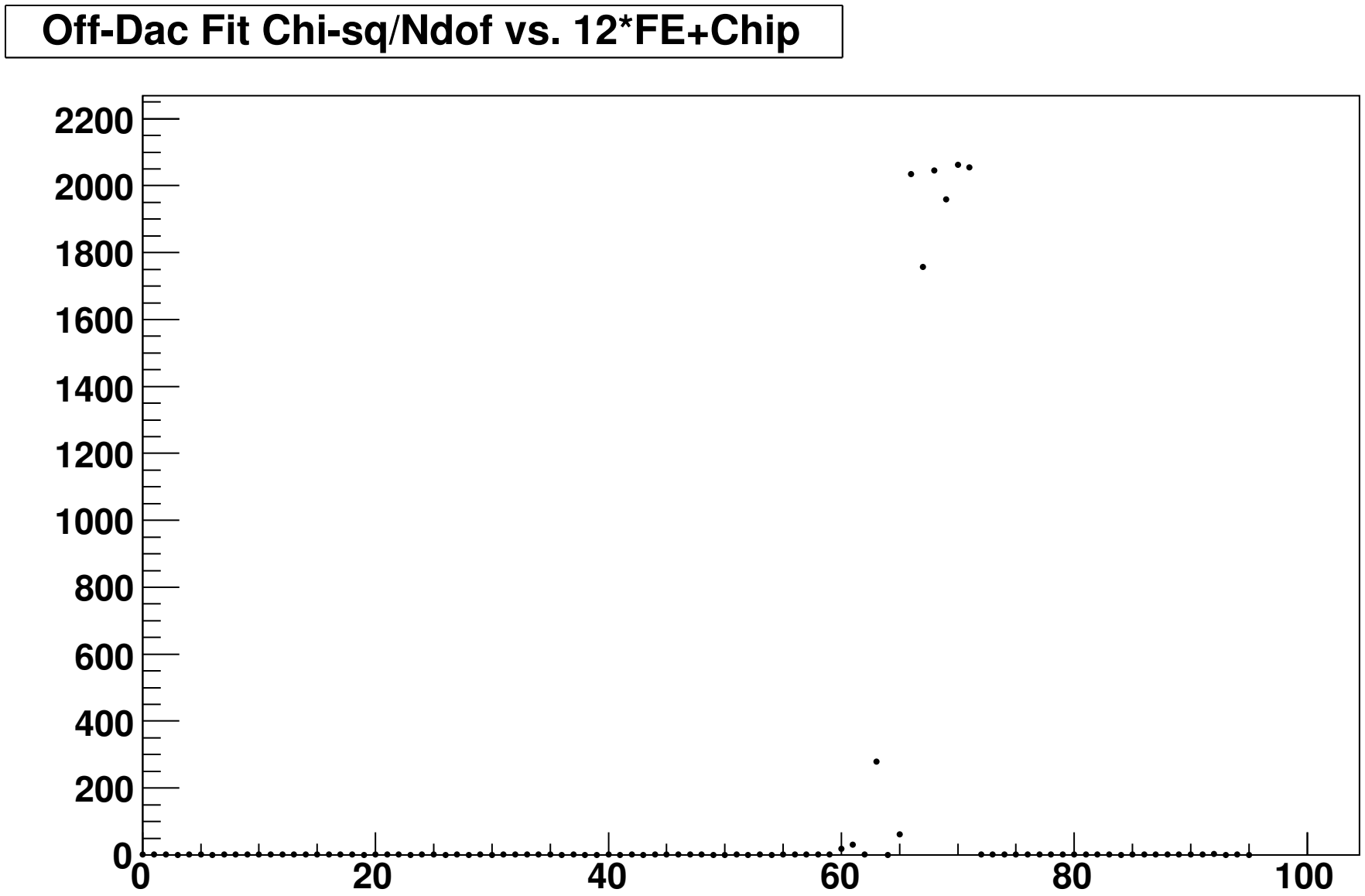

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
20
40
60
80
100

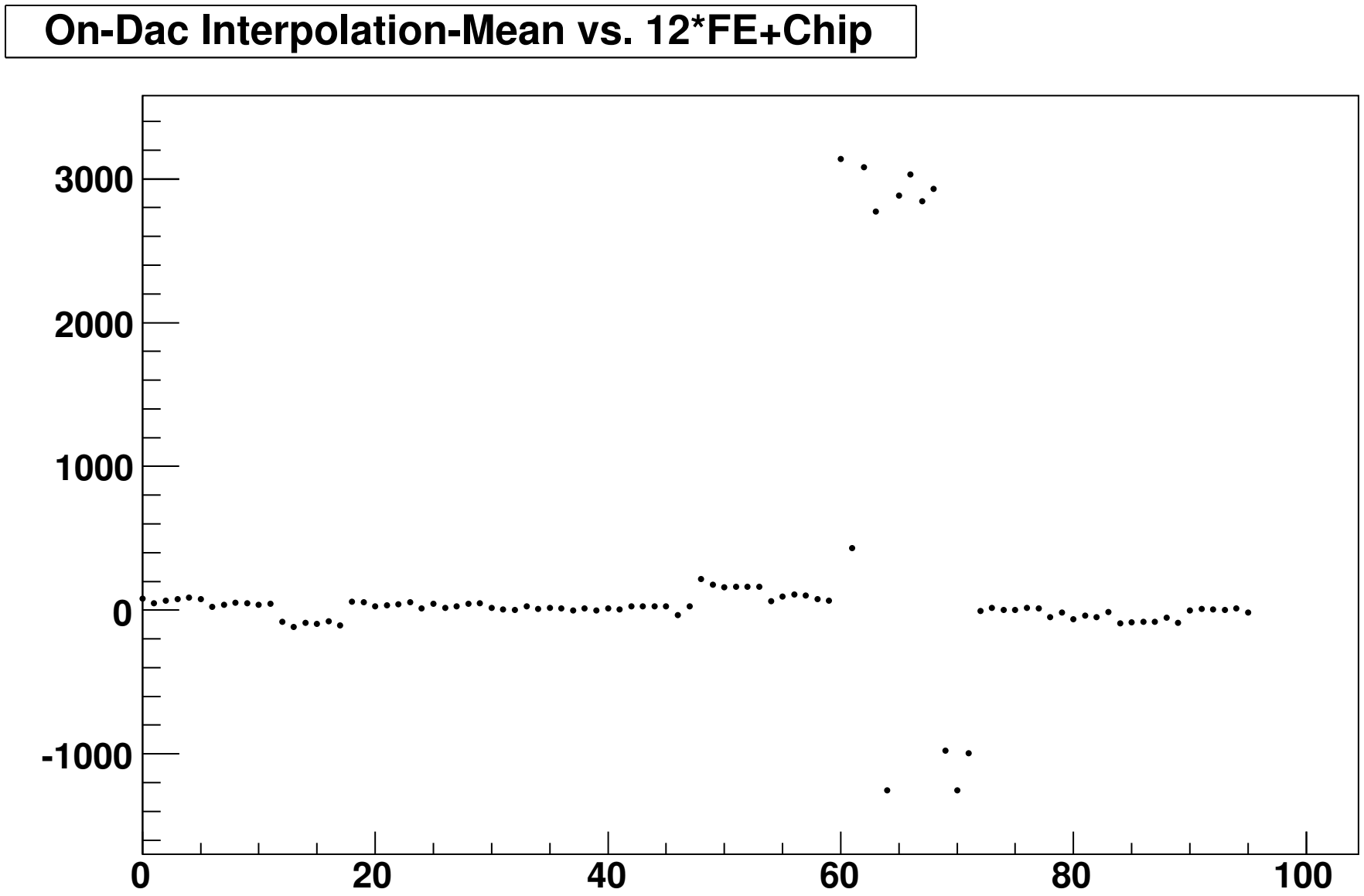

On-Dac Fit Dac Noise vs. 12*FE+Chip
0.006
0.005
0.004
0.003
0.002
0.001
0
0
20
40
60
80
100

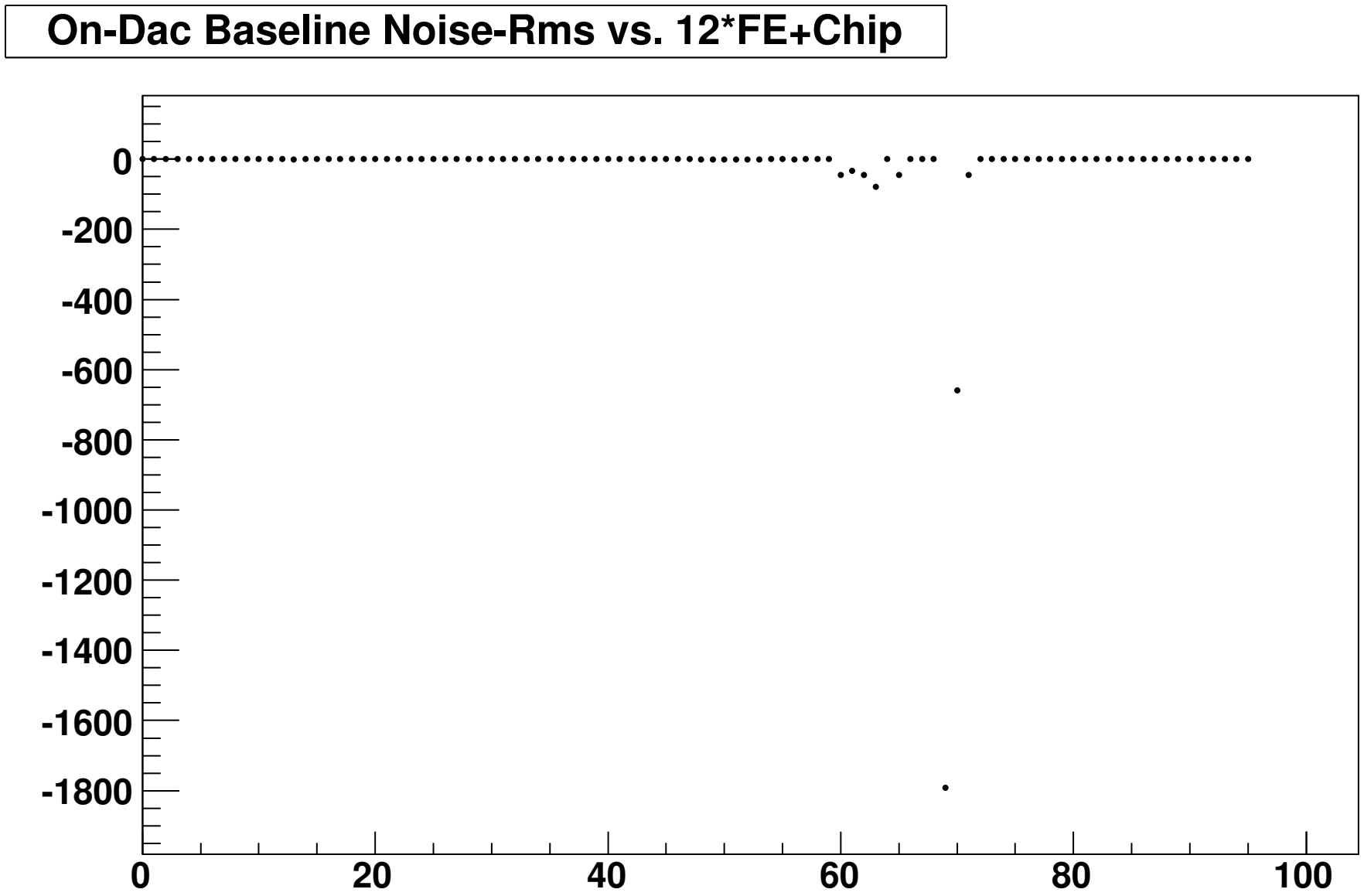

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

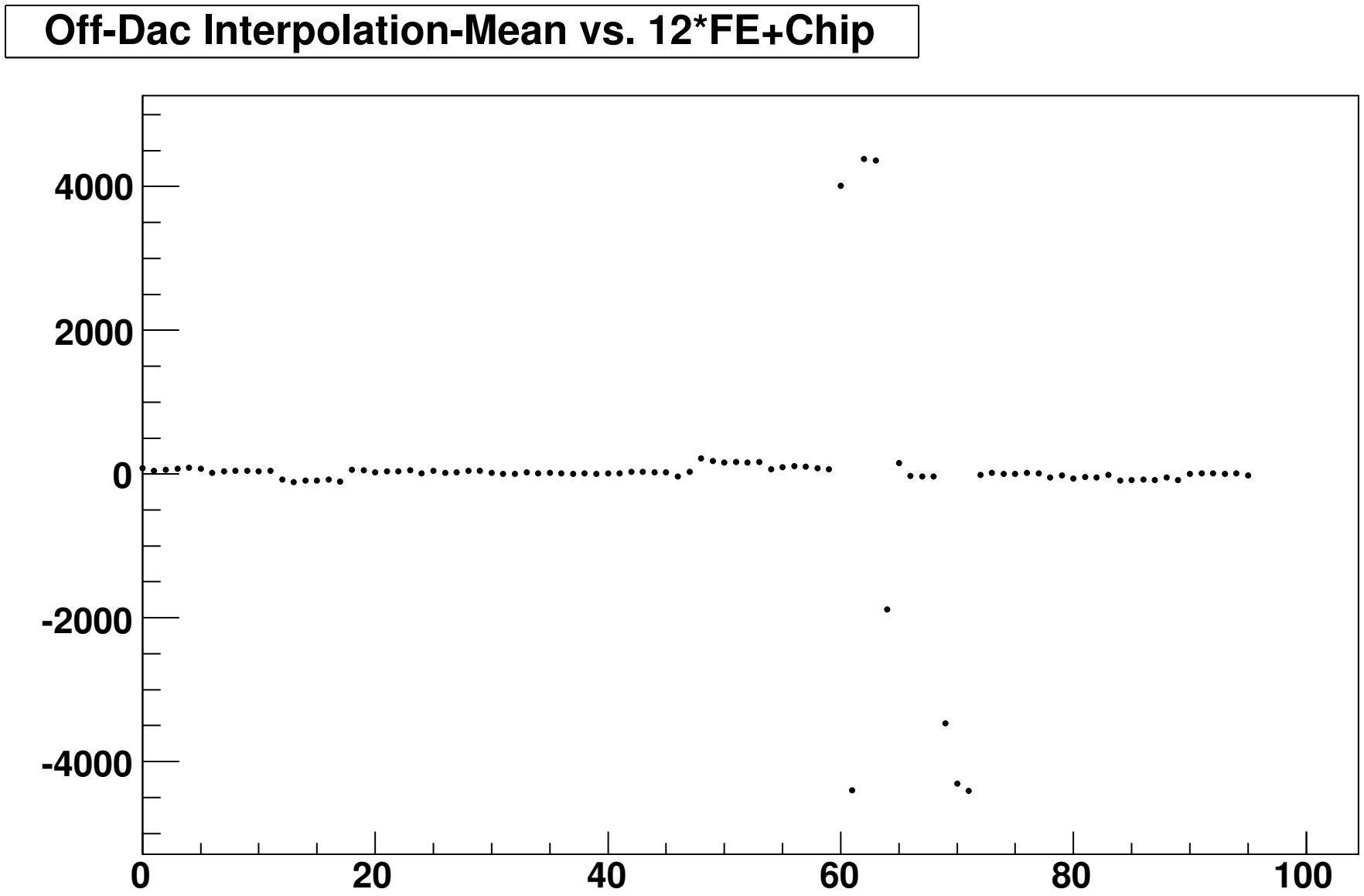

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

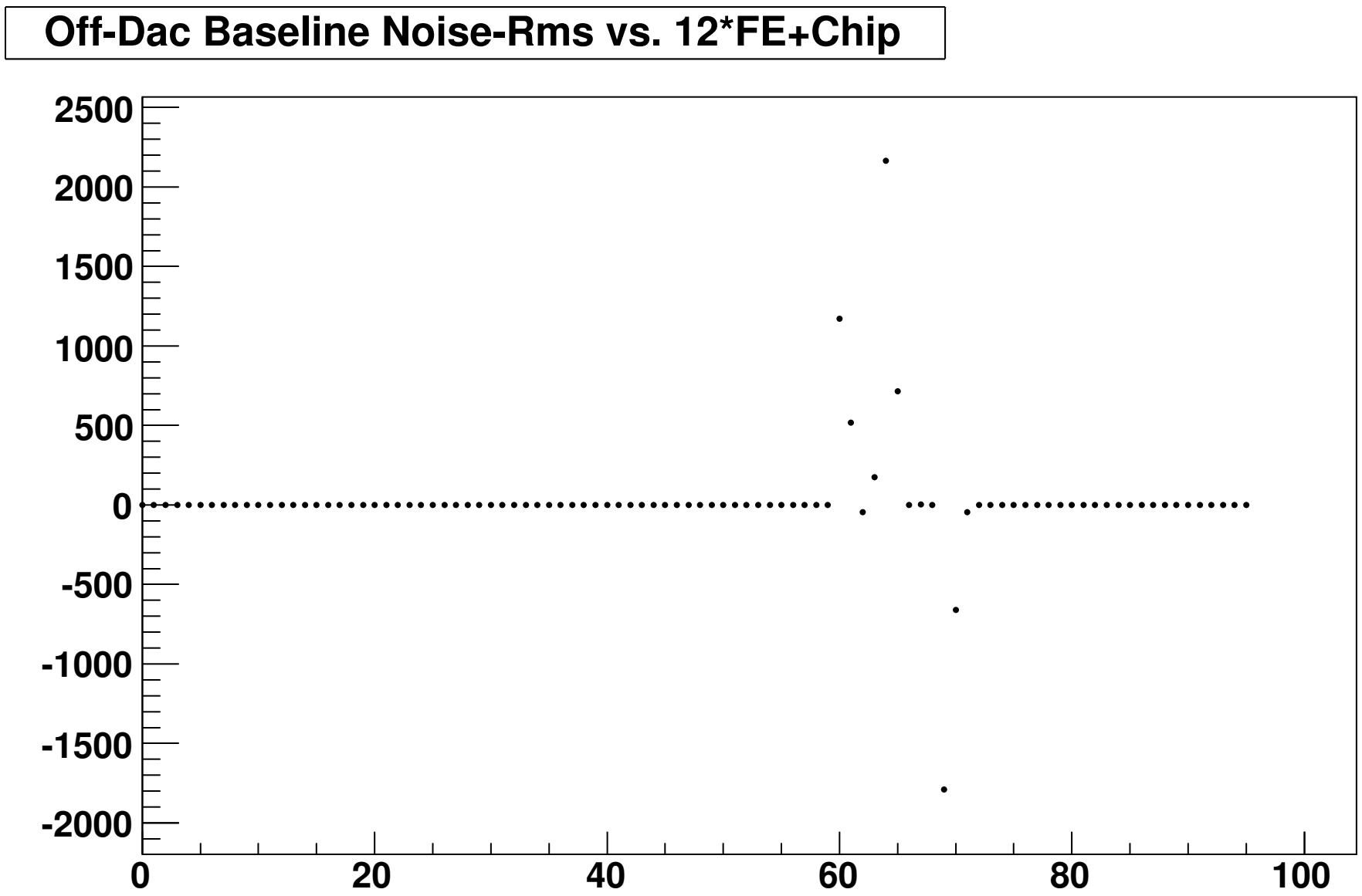

Off-Dac Fit Dac Noise vs. 12*FE+Chip
0.008
0.006
0.004
0.002
0
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100


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


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


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


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
2500
2000
1500
1000
500
0
-500
-1000
-1500
-2000
0
20
40
60
80
100