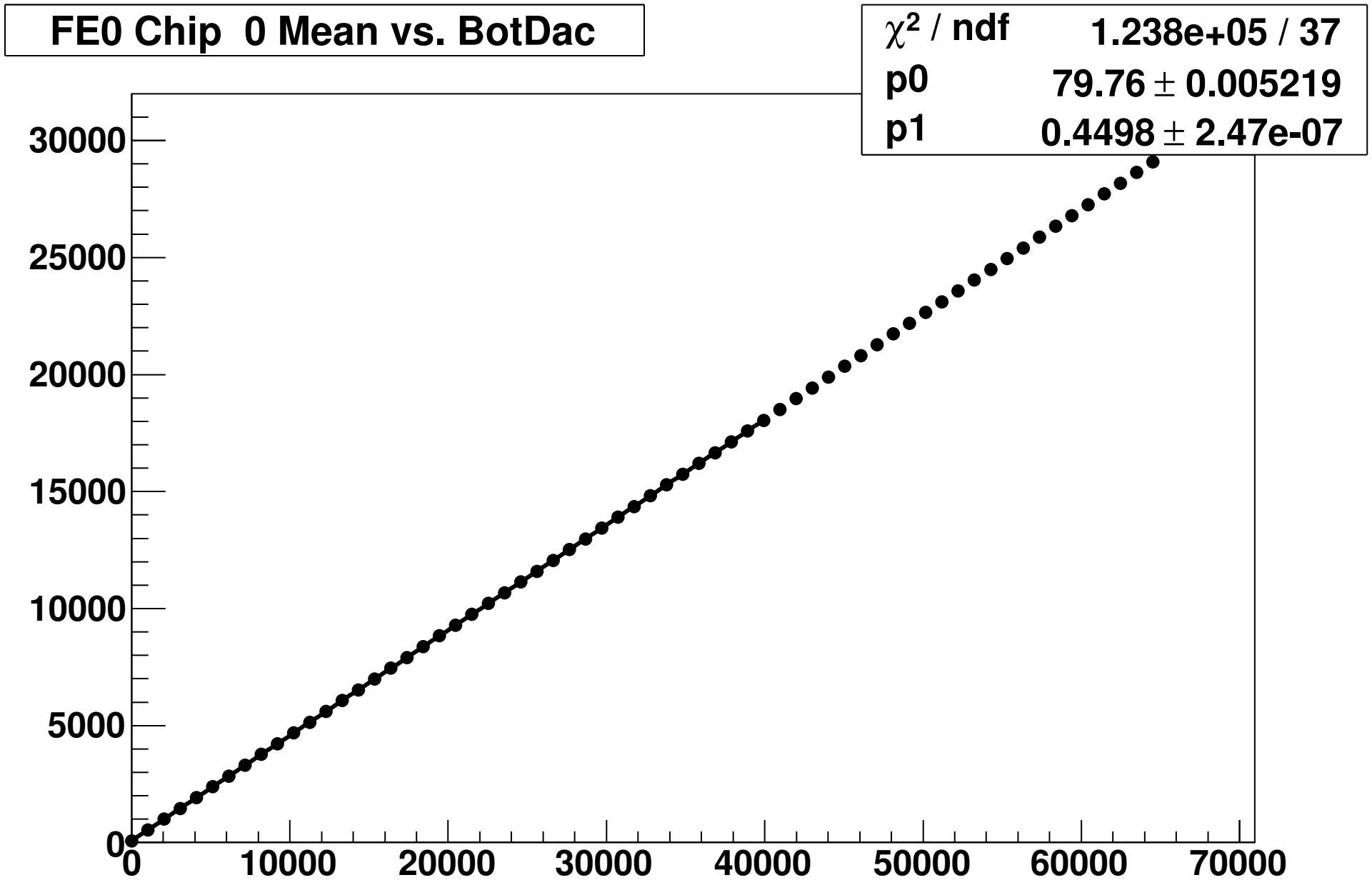
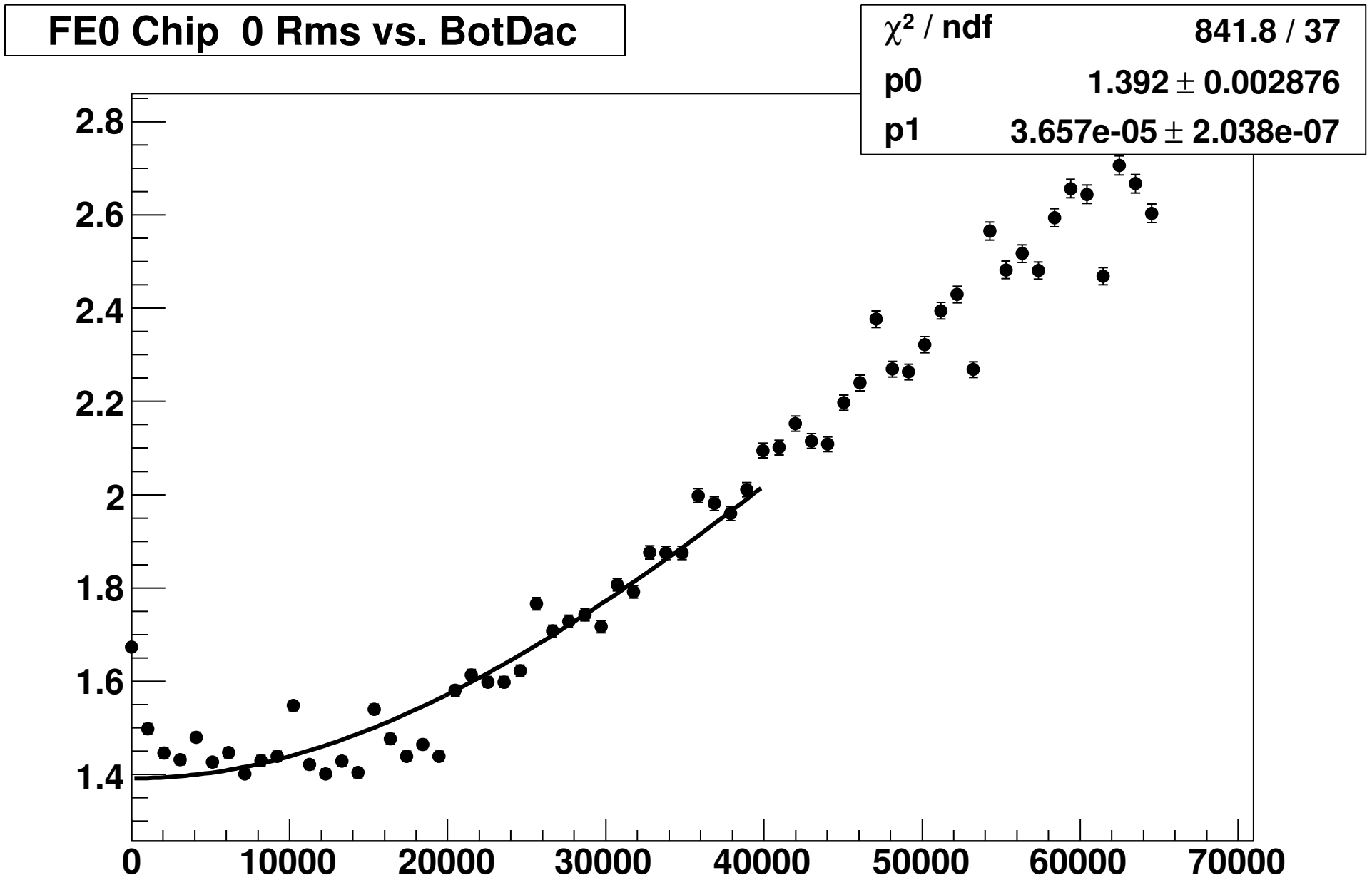
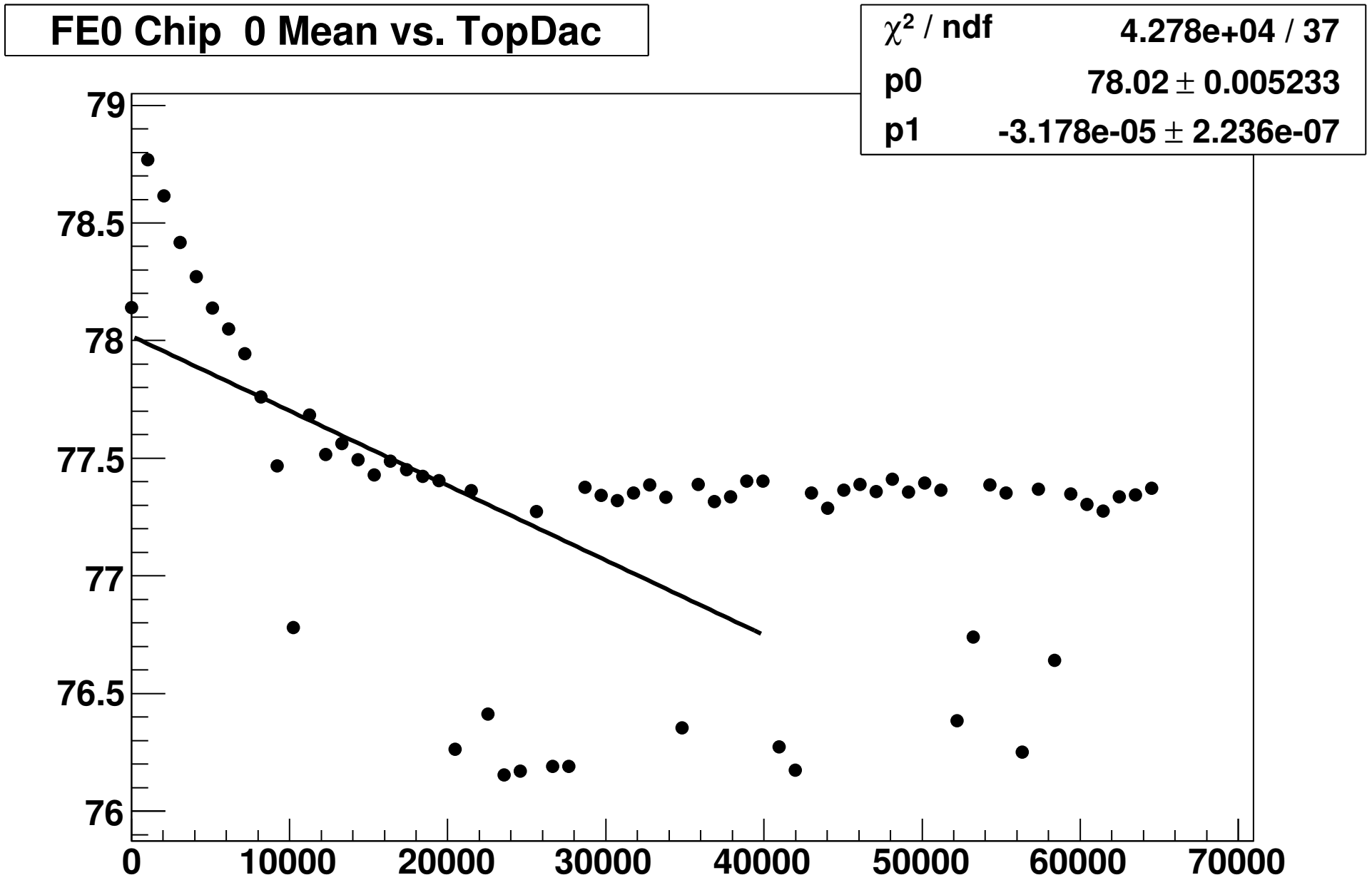
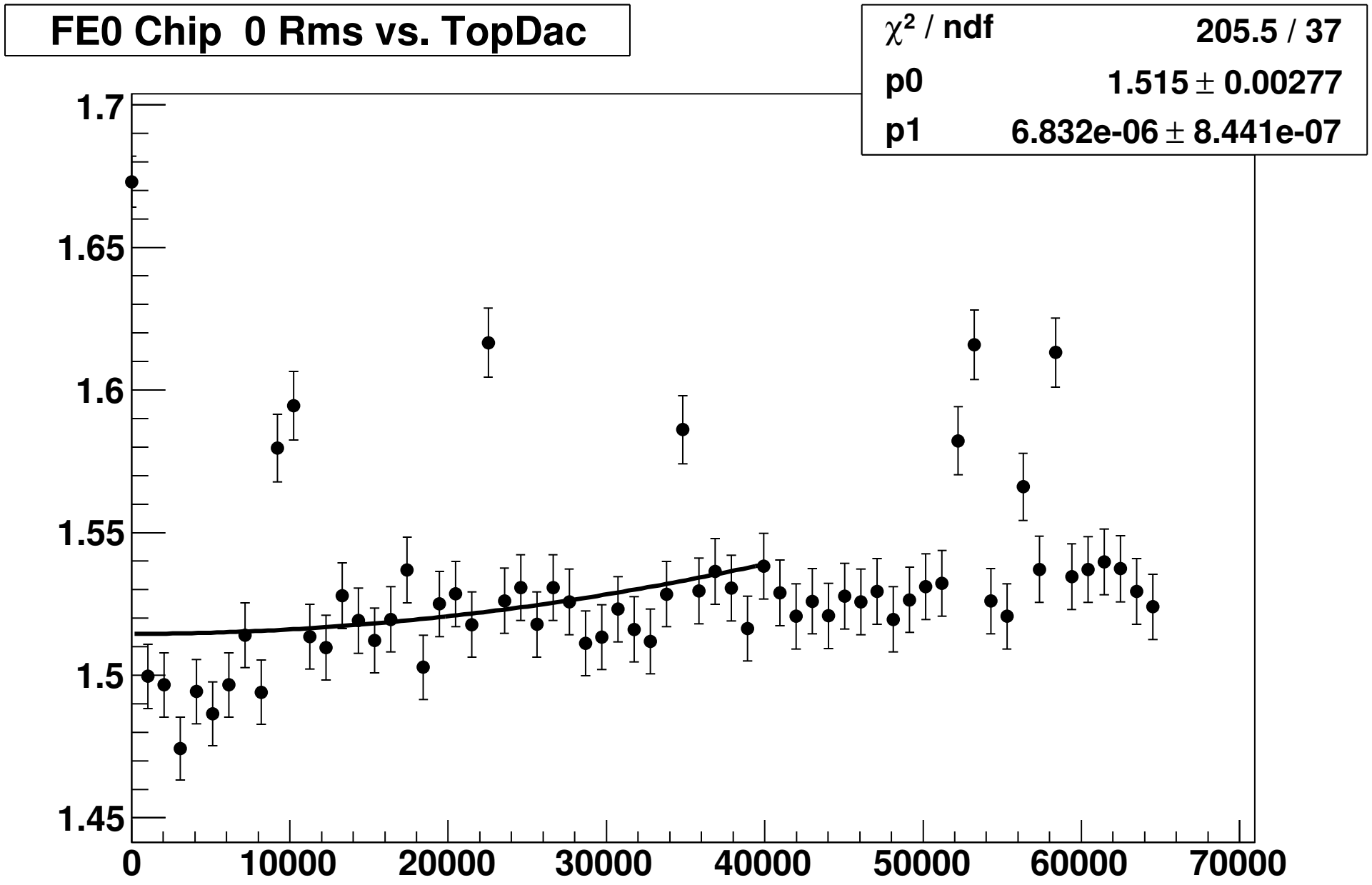
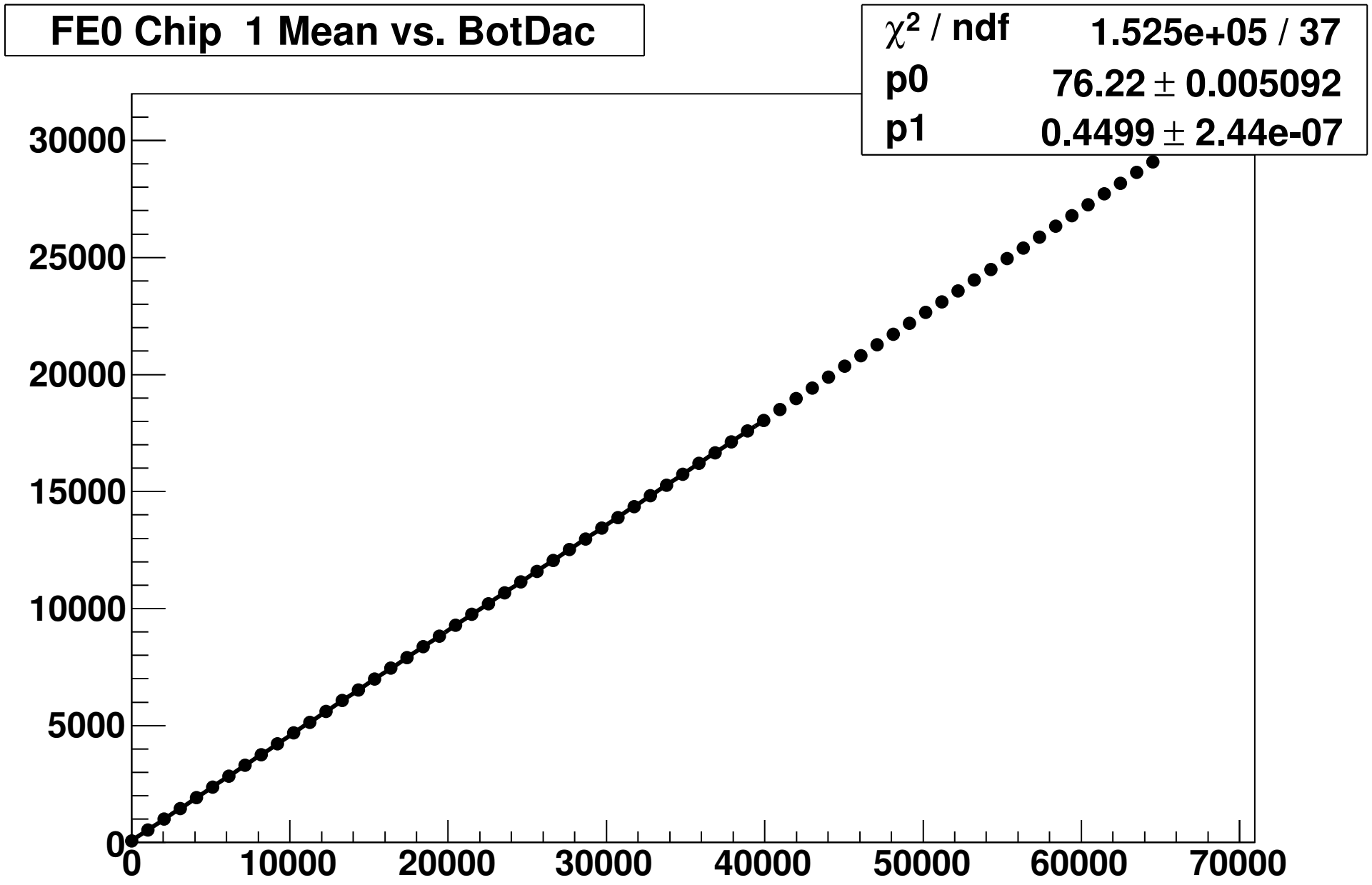
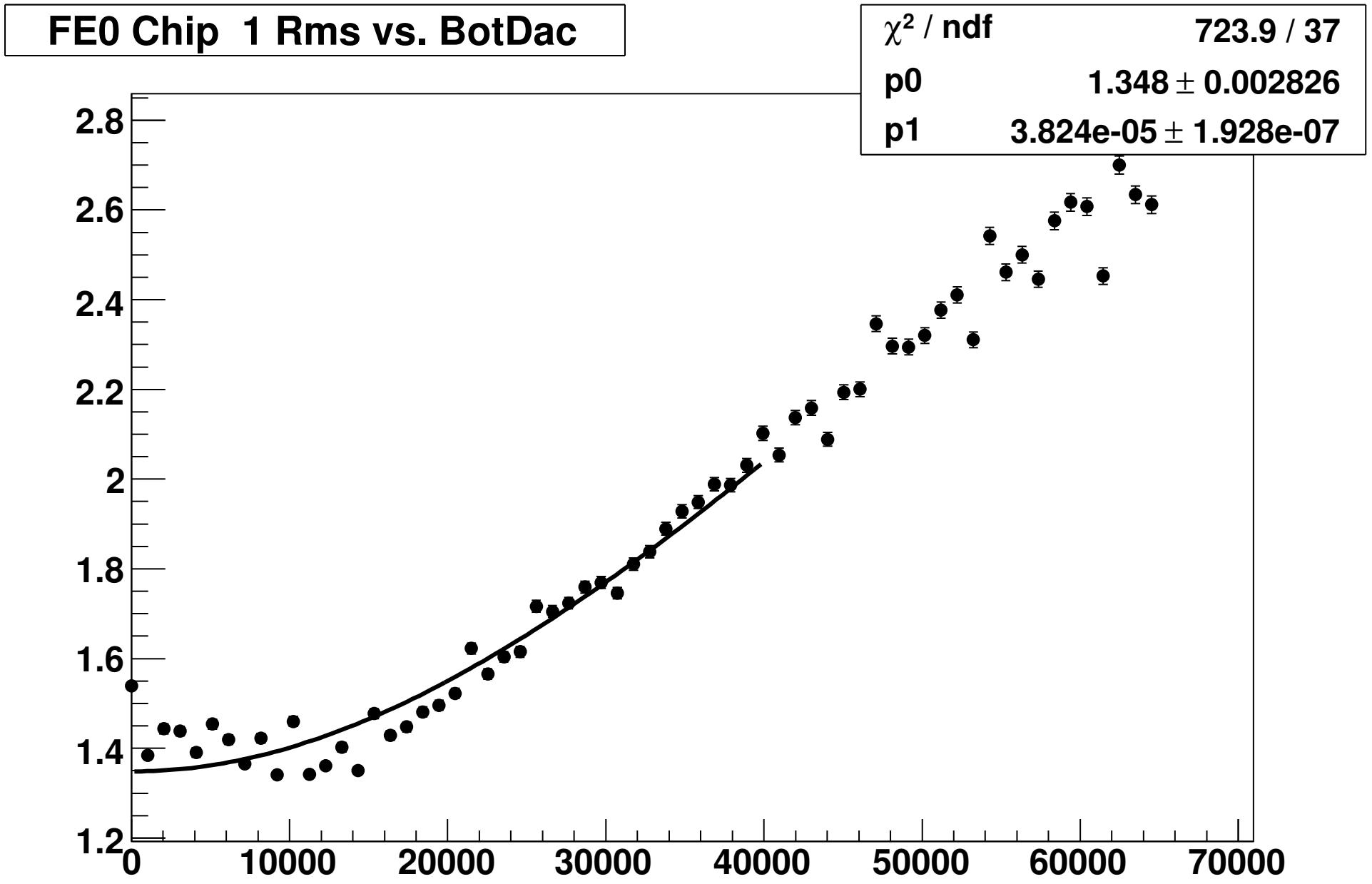

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.238e+05 / 37
p0 79.76 ± 0.005219
p1 0.4498 ± 2.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

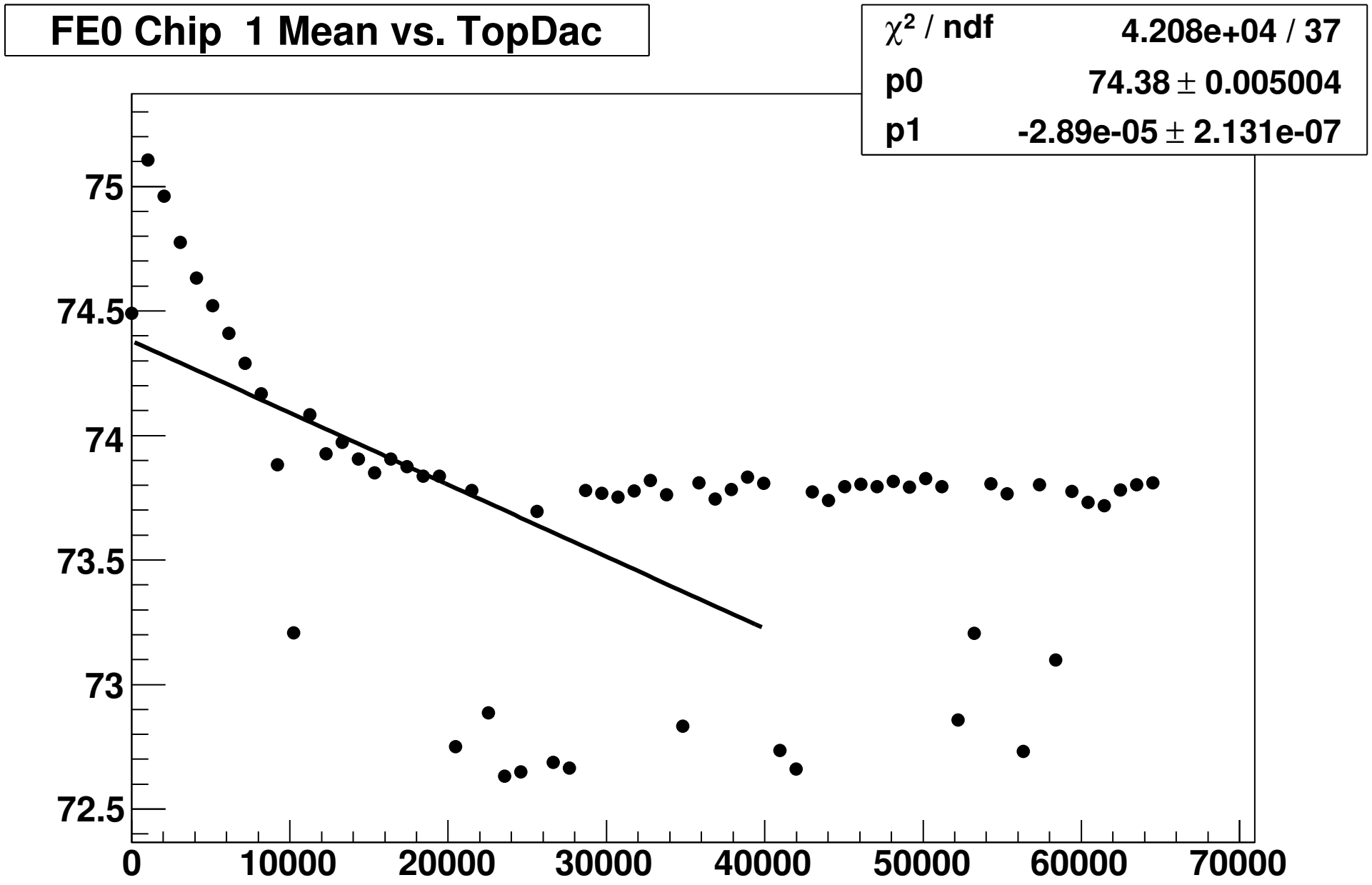

FE0 Chip 0 Rms vs. BotDac
χ² / ndf 841.8 / 37
p0 1.392 ± 0.002876
p1 3.657e-05 ± 2.038e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

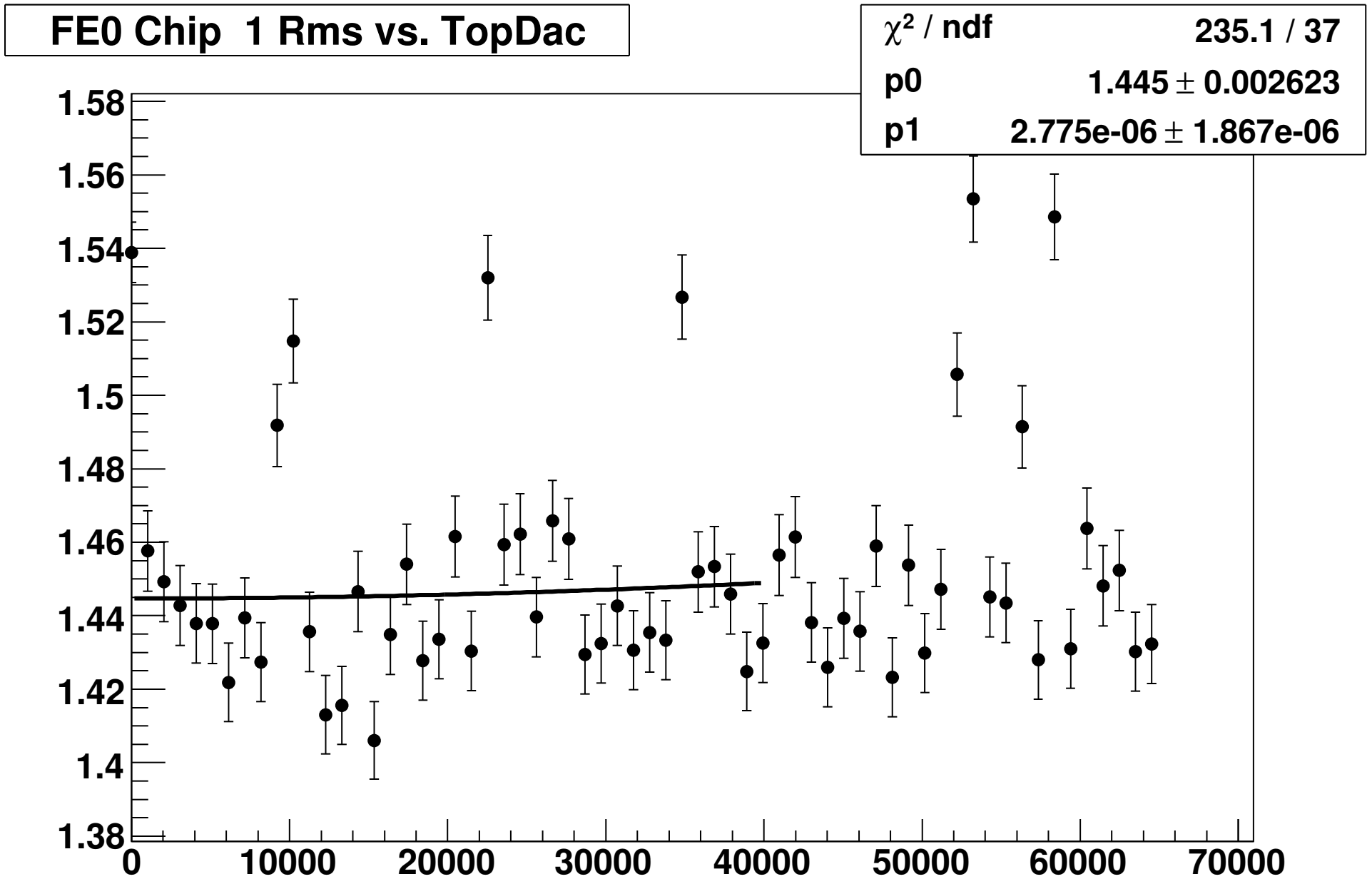

FE0 Chip 0 Mean vs. TopDac
χ² / ndf 4.278e+04 / 37
p0 78.02 ± 0.005233
p1 -3.178e-05 ± 2.236e-07
79
78.5
78
77.5
77
76.5
76
0
10000
20000
30000
40000
50000
60000
70000

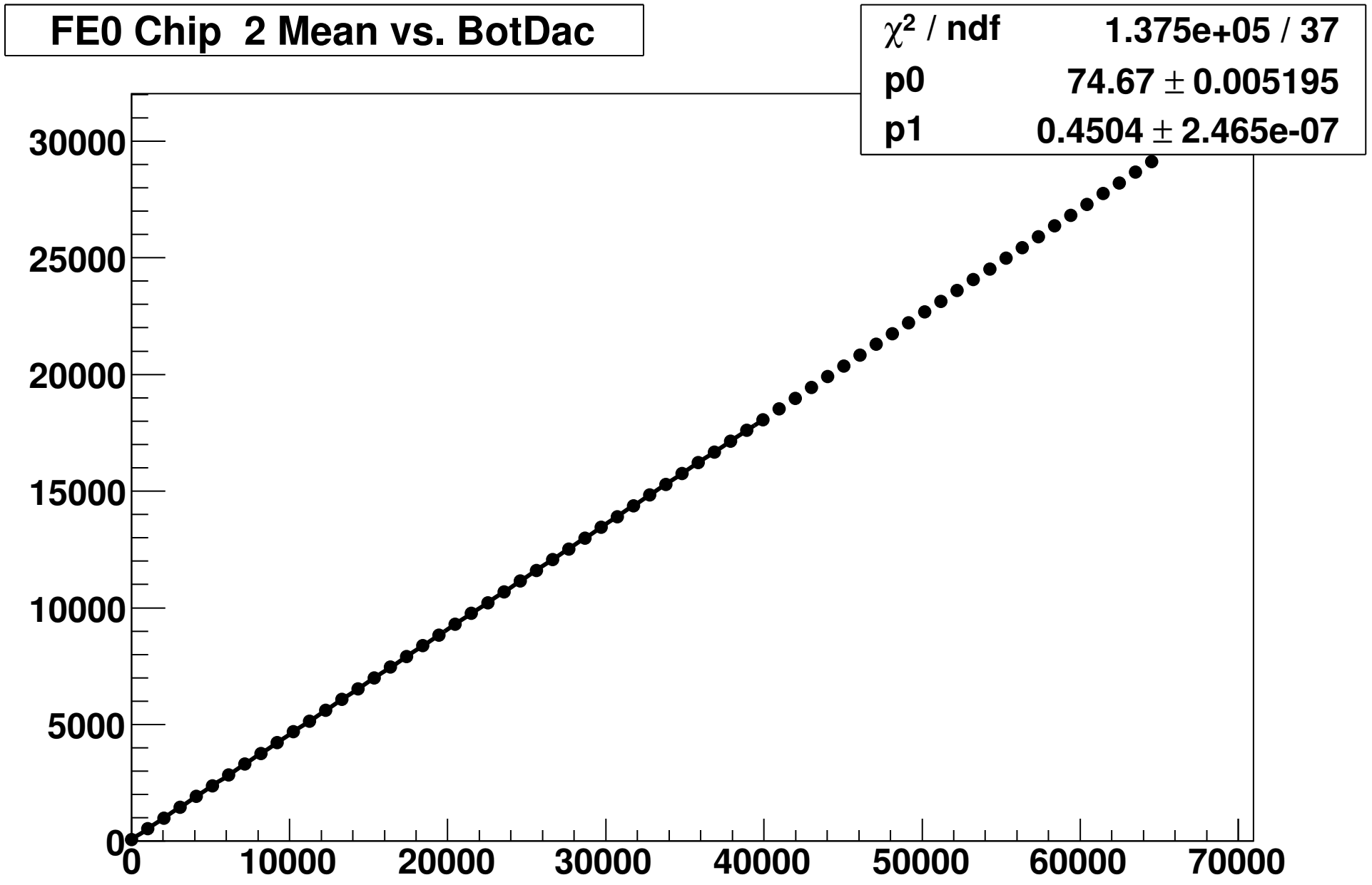

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 205.5 / 37
p0 1.515 ± 0.00277
p1 6.832e-06 ± 8.441e-07
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

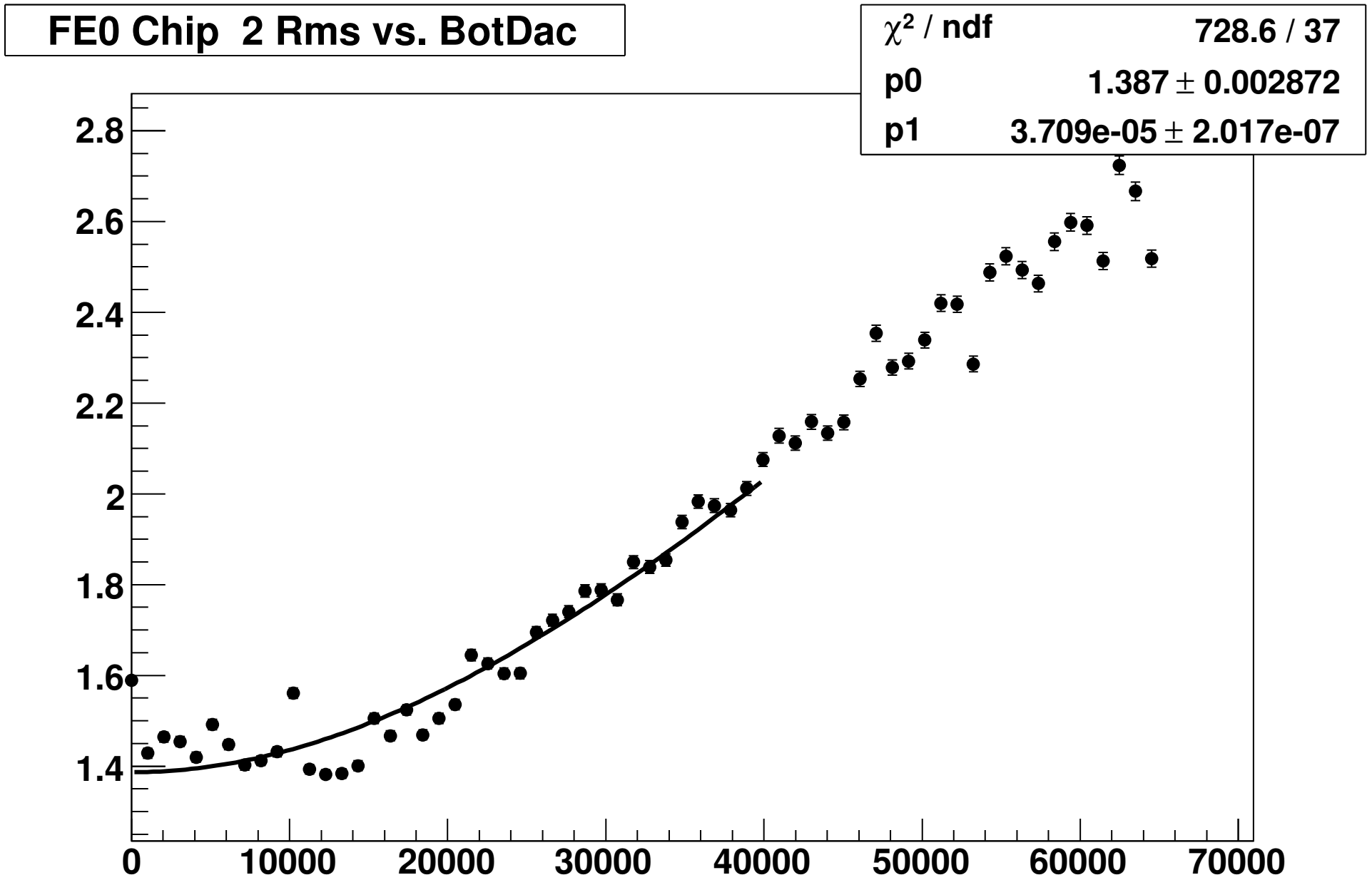

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.525e+05 / 37
p0 76.22 ± 0.005092
p1 0.4499 ± 2.44e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

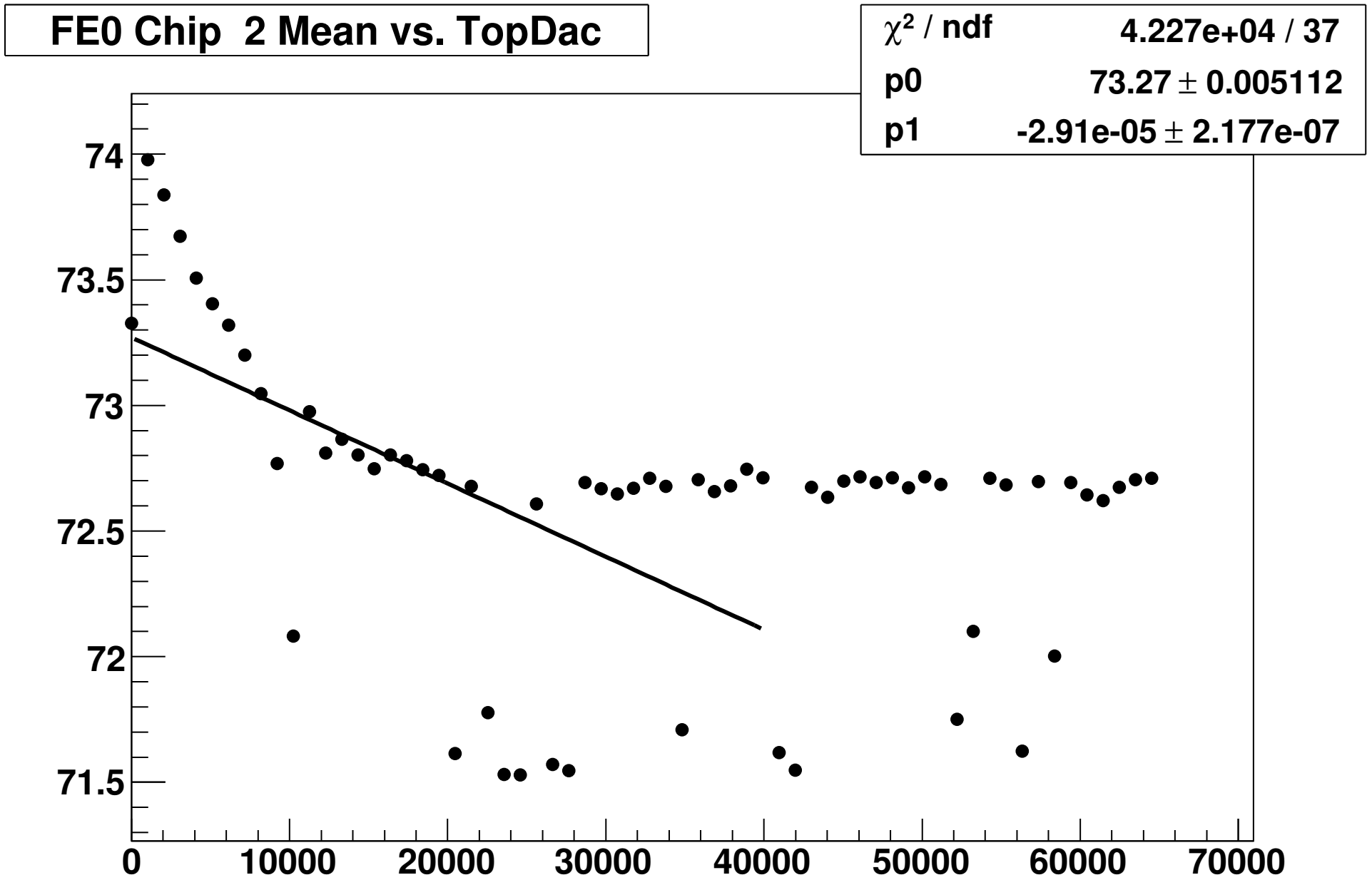

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 723.9 / 37
p0 1.348 ± 0.002826
p1 3.824e-05 ± 1.928e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

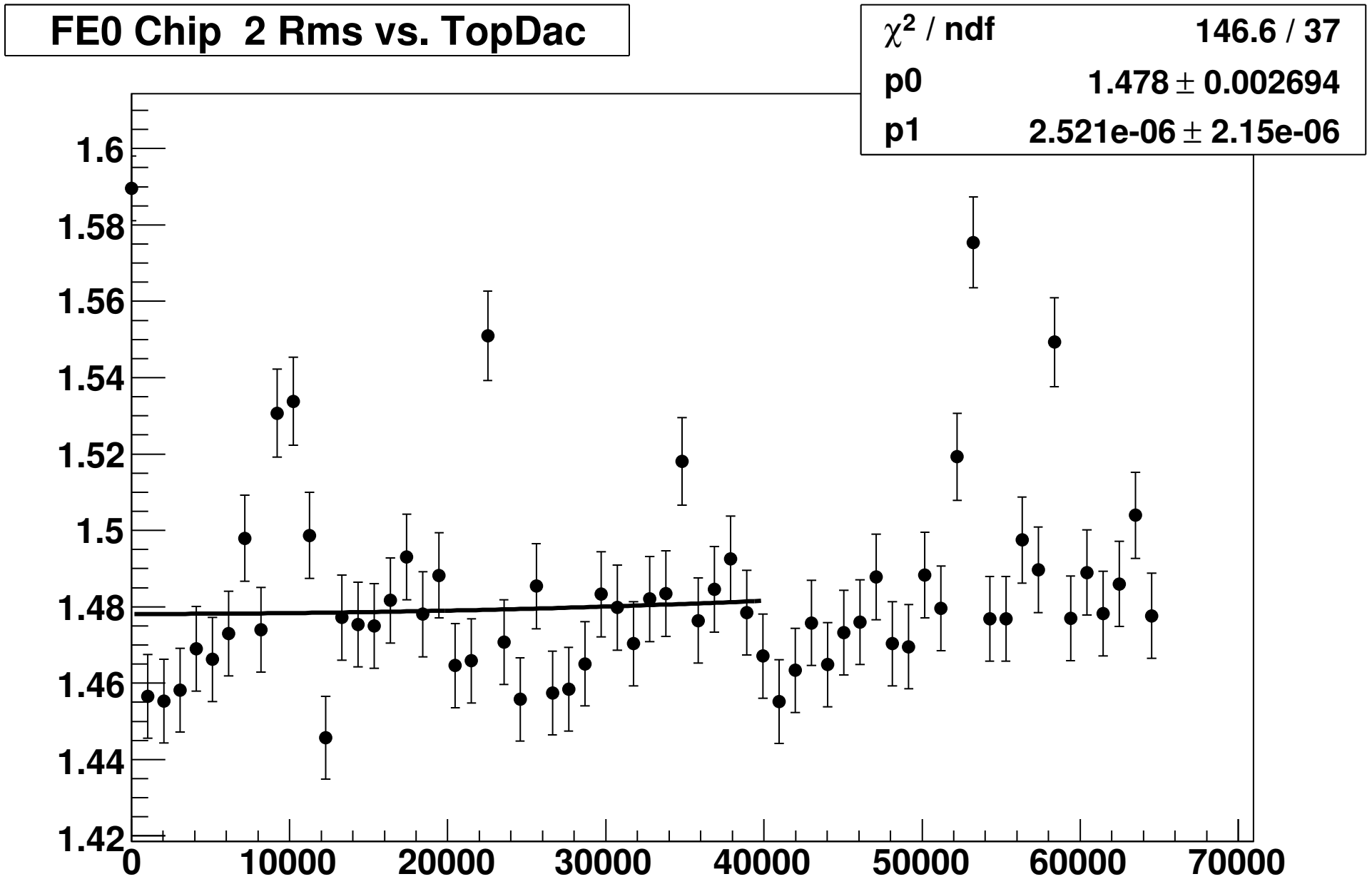

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 4.208e+04 / 37
p0 74.38 ± 0.005004
p1 -2.89e-05 ± 2.131e-07
75
74.5
74
73.5
73
72.5
0
10000
20000
30000
40000
50000
60000
70000

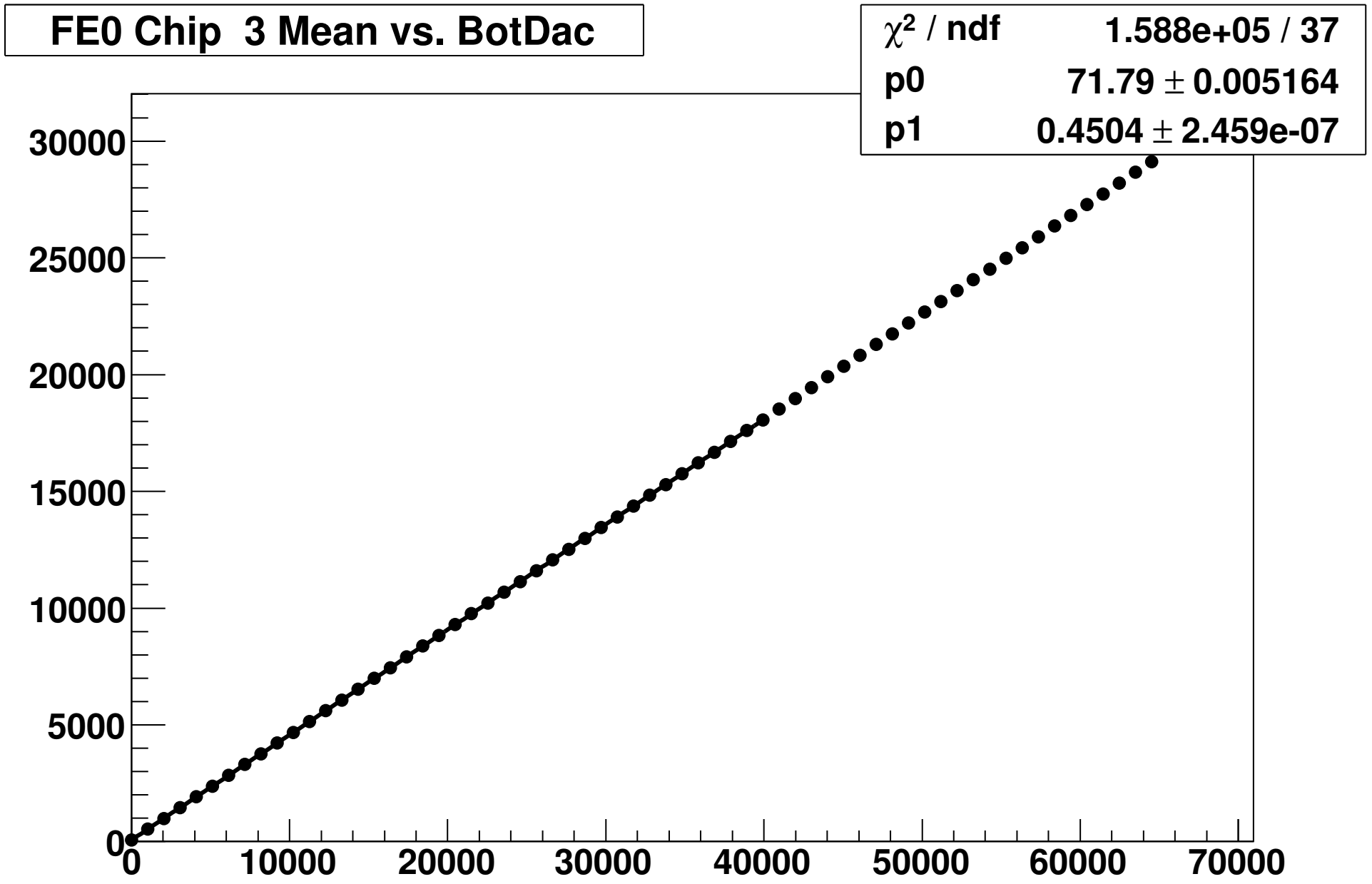

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 235.1 / 37
p0 1.445 ± 0.002623
p1 2.775e-06 ± 1.867e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

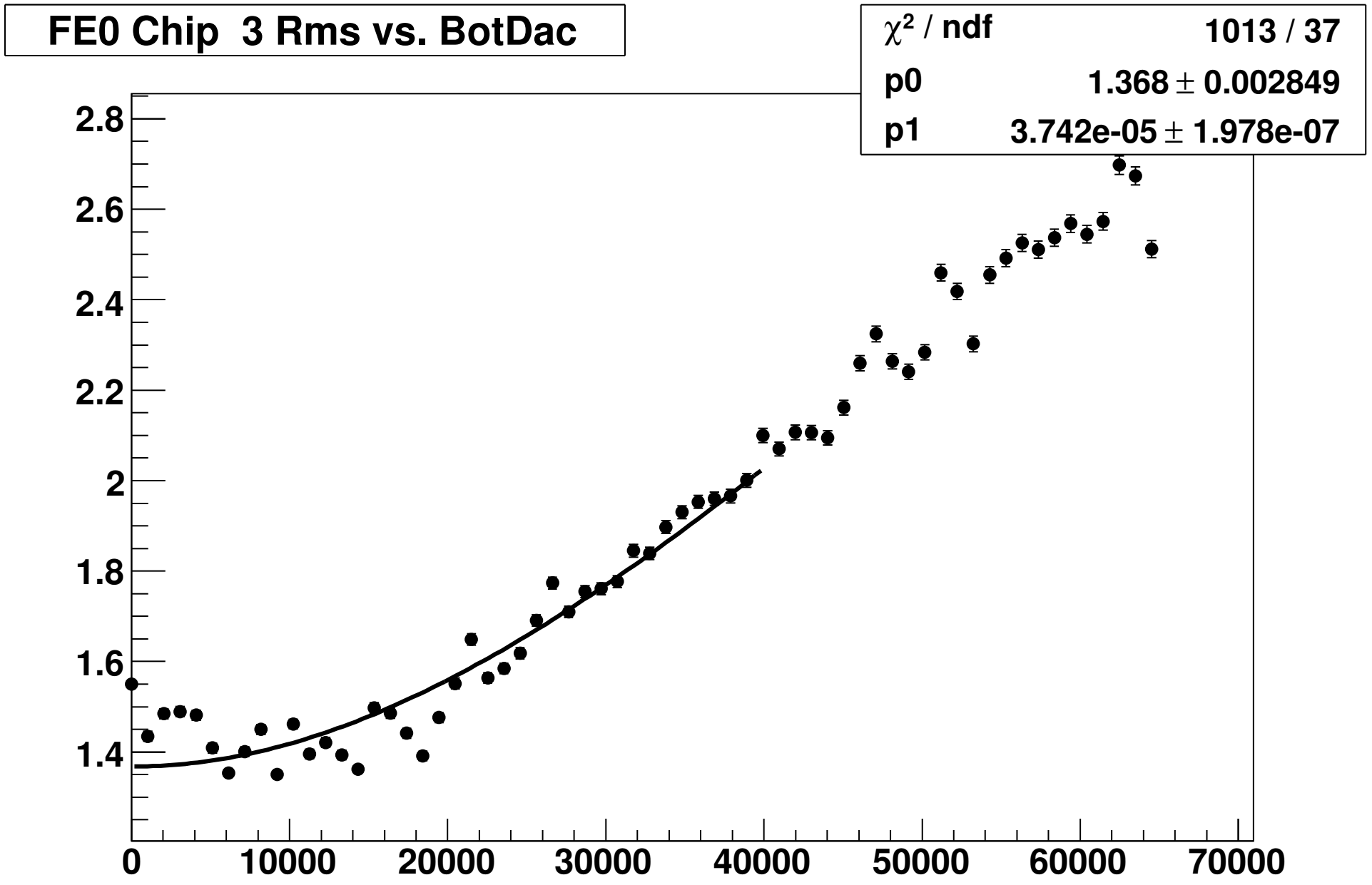

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.375e+05 / 37
p0 74.67 ± 0.005195
p1 0.4504 ± 2.465e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

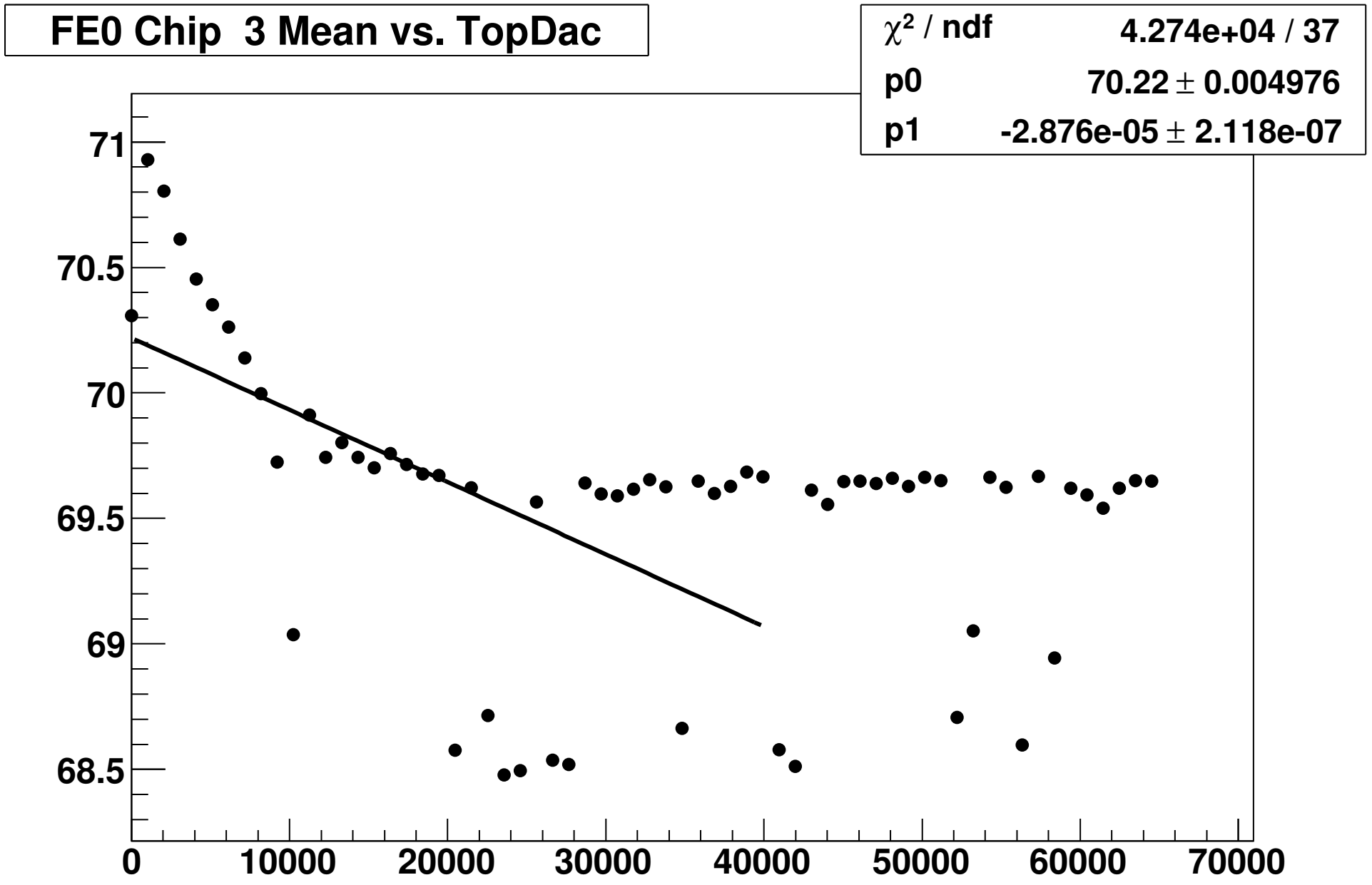

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 728.6 / 37
p0 1.387 ± 0.002872
p1 3.709e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

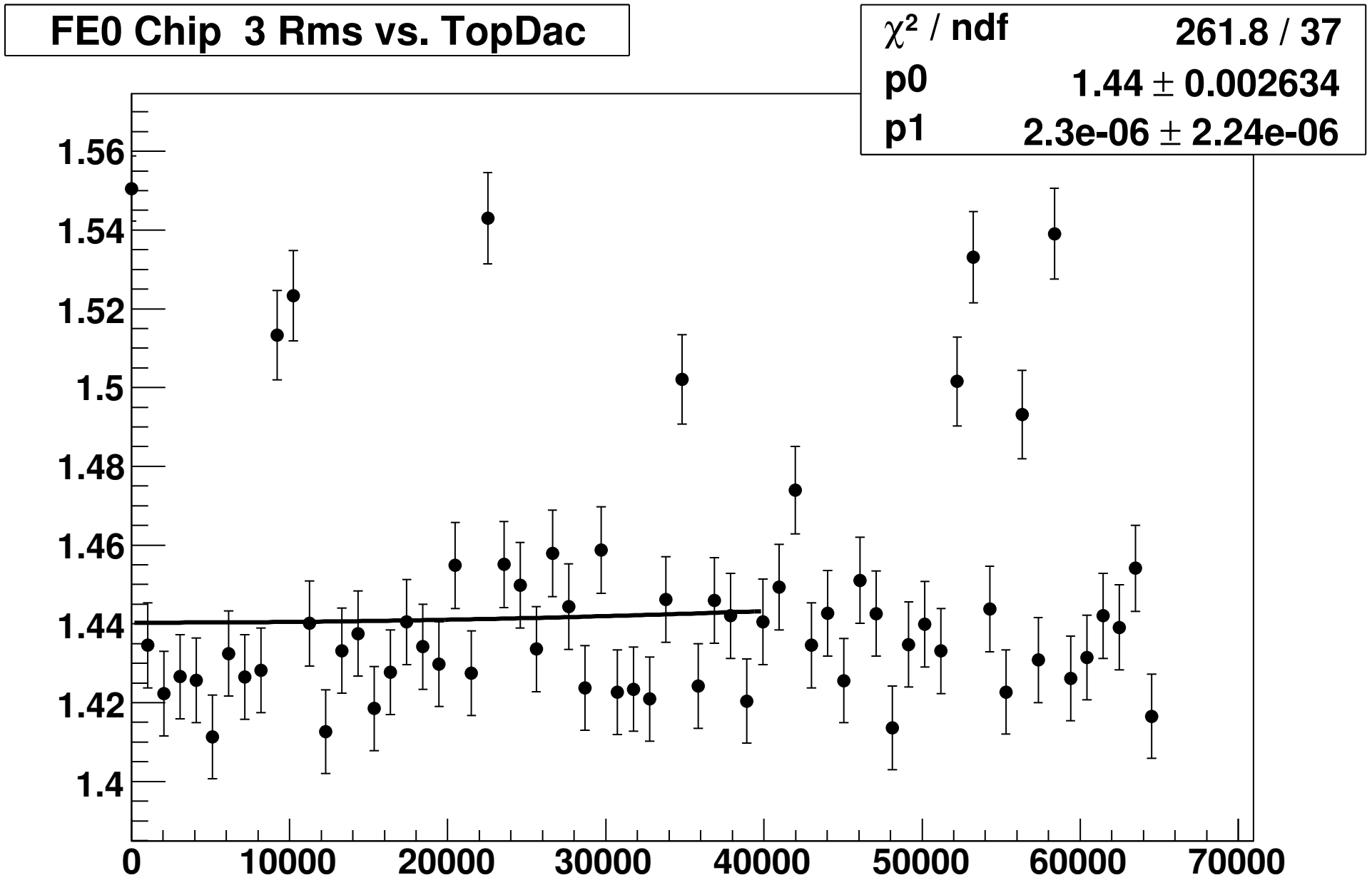

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 4.227e+04 / 37
p0 73.27 ± 0.005112
p1 -2.91e-05 ± 2.177e-07
74
73.5
73
72.5
72
71.5
0
10000
20000
30000
40000
50000
60000
70000

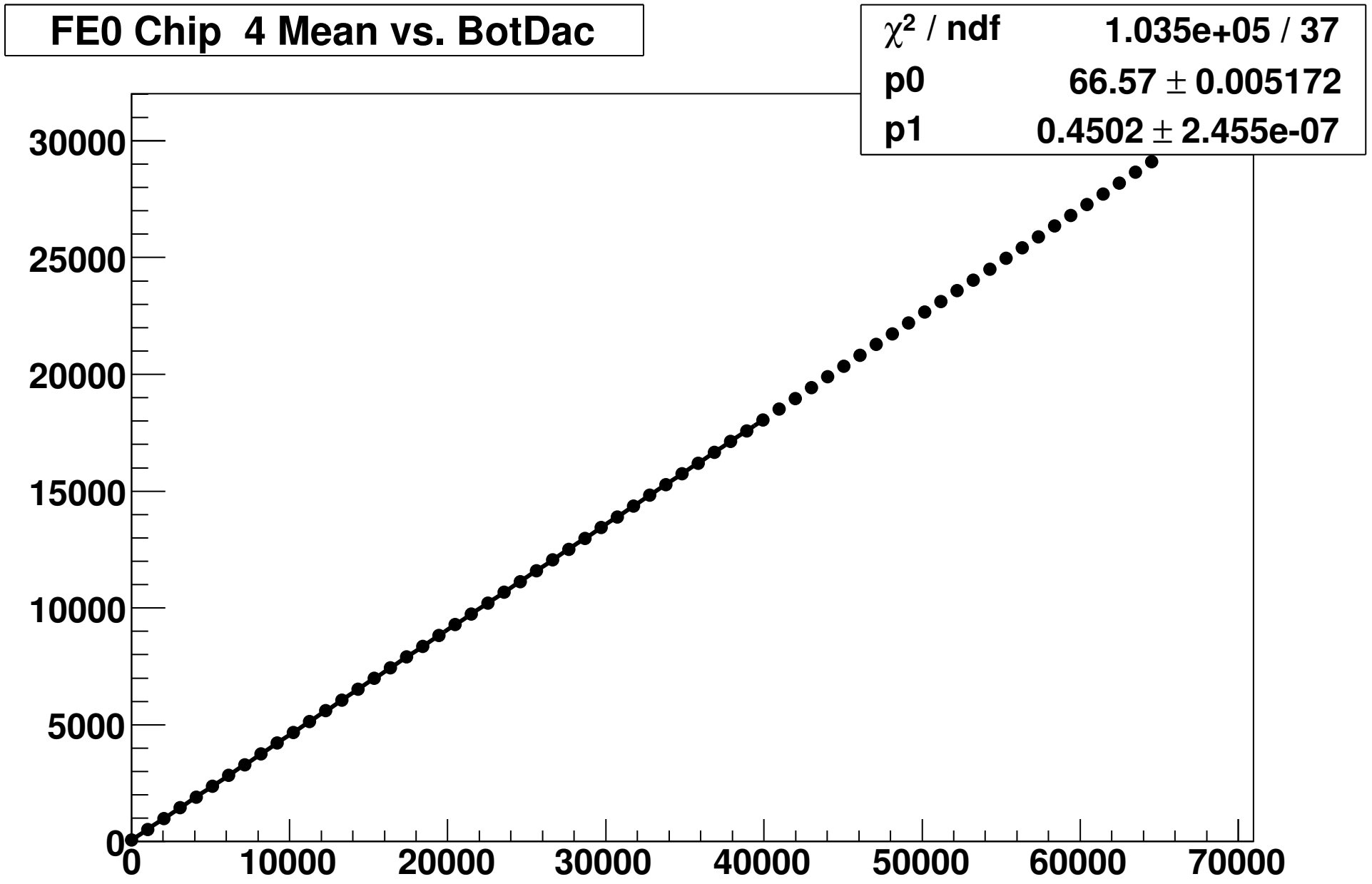

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 146.6 / 37
p0 1.478 ± 0.002694
p1 2.521e-06 ± 2.15e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

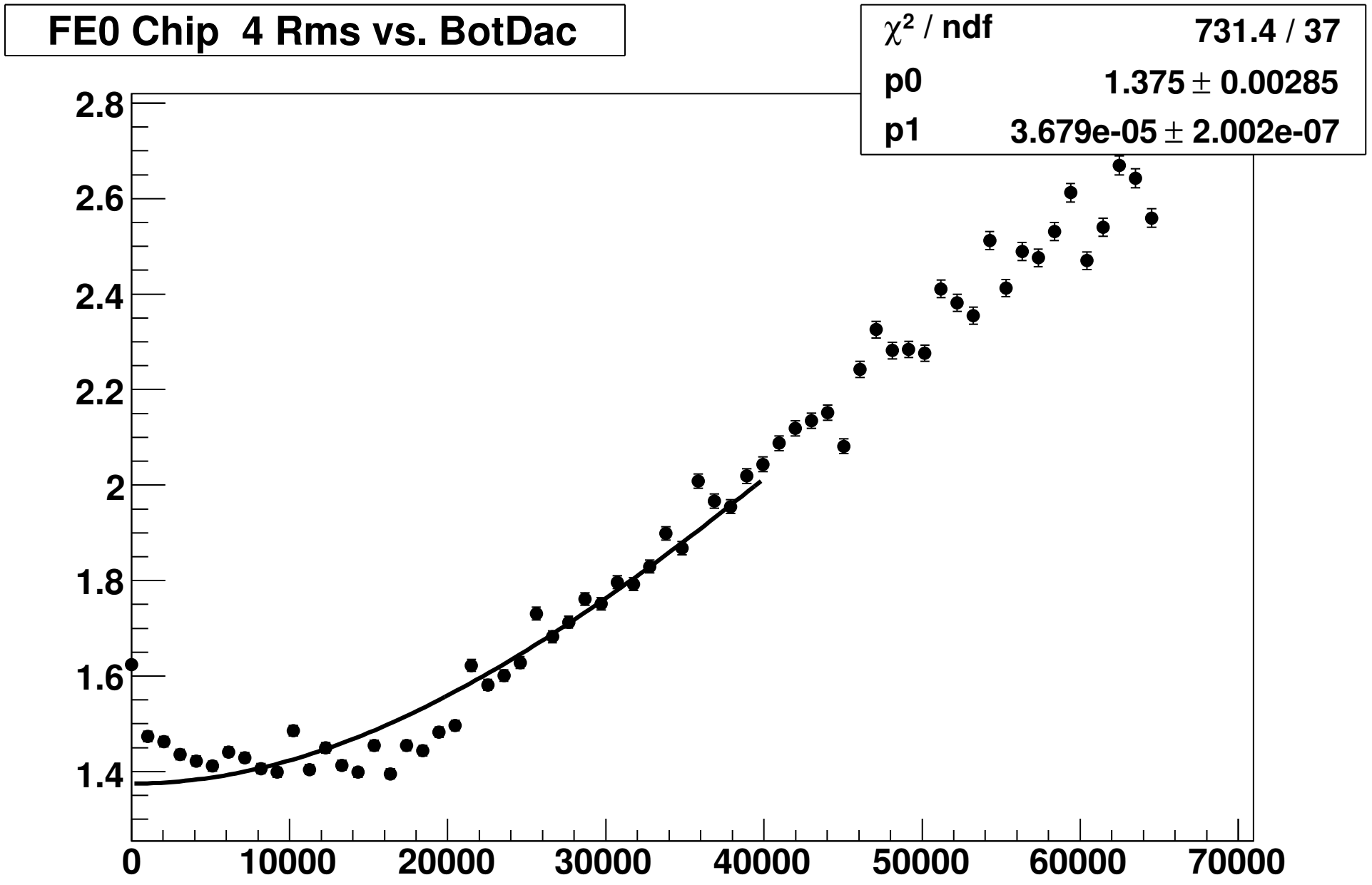

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.588e+05 / 37
p0 71.79 ± 0.005164
p1 0.4504 ± 2.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

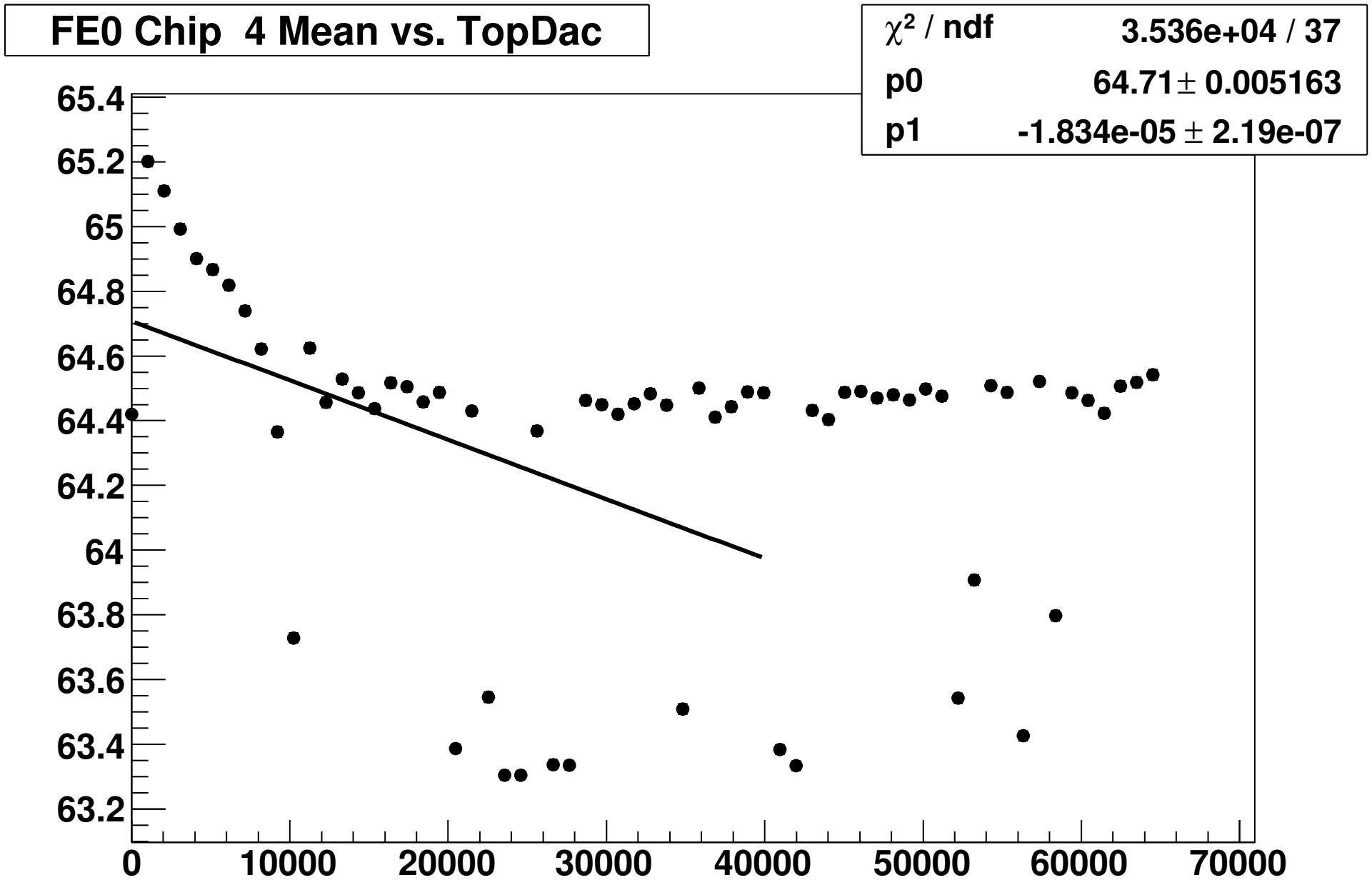

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 1013 / 37
p0 1.368 ± 0.002849
p1 3.742e-05 ± 1.978e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

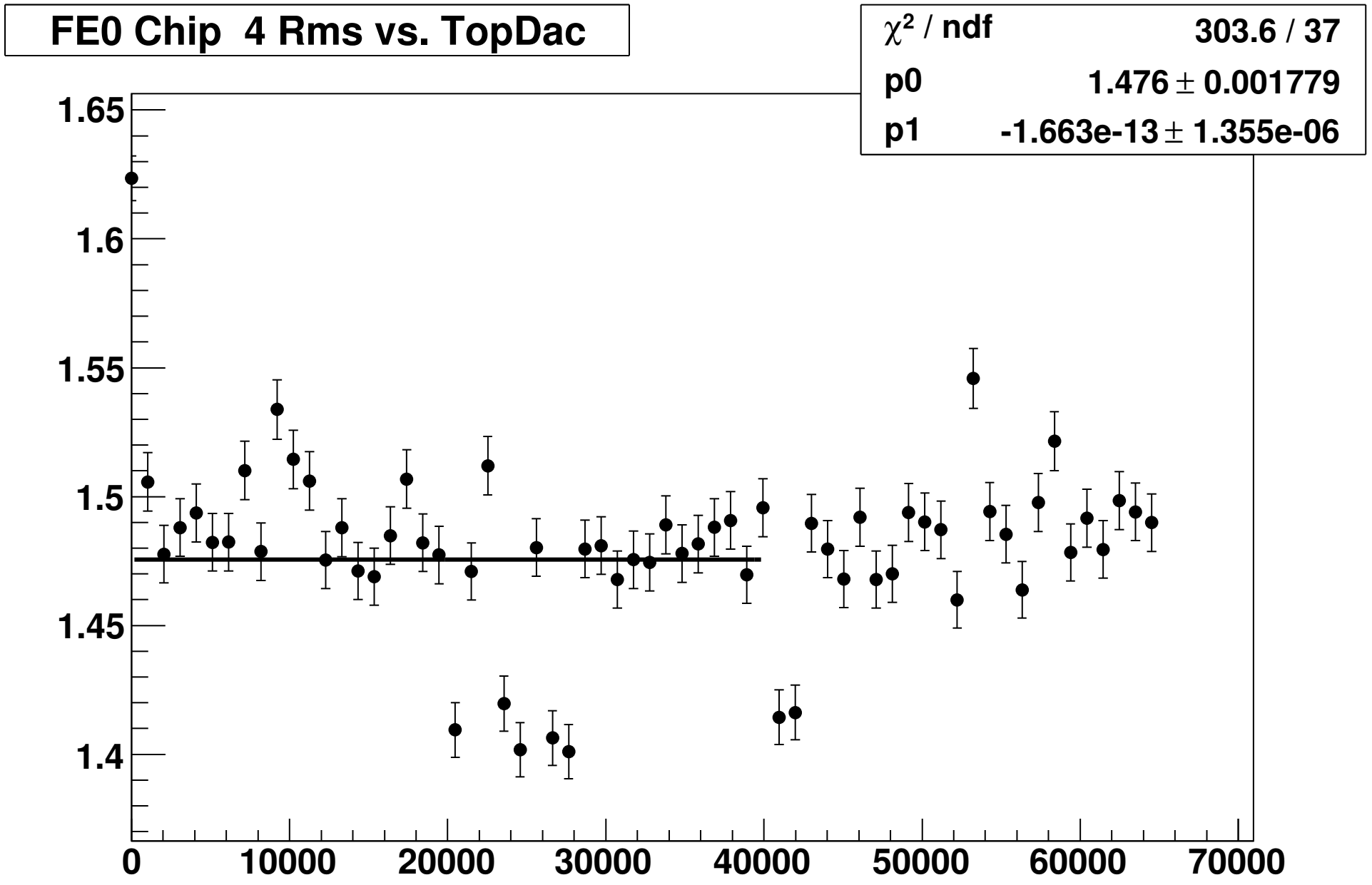

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 4.274e+04 / 37
p0 70.22 ± 0.004976
p1 -2.876e-05 ± 2.118e-07
71
70.5
70
69.5
69
68.5
0
10000
20000
30000
40000
50000
60000
70000

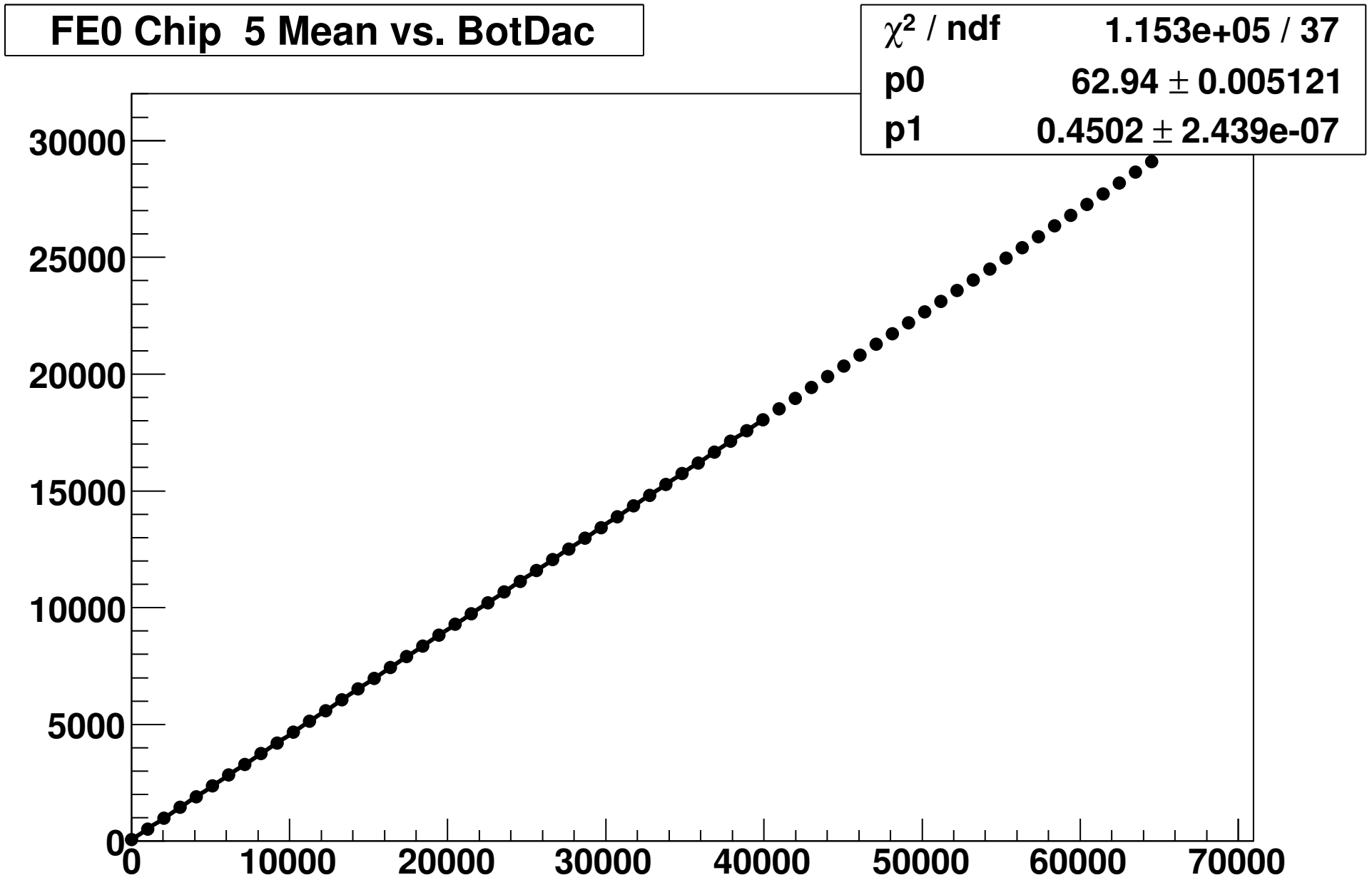

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 261.8 / 37
p0 1.44 ± 0.002634
p1 2.3e-06 ± 2.24e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

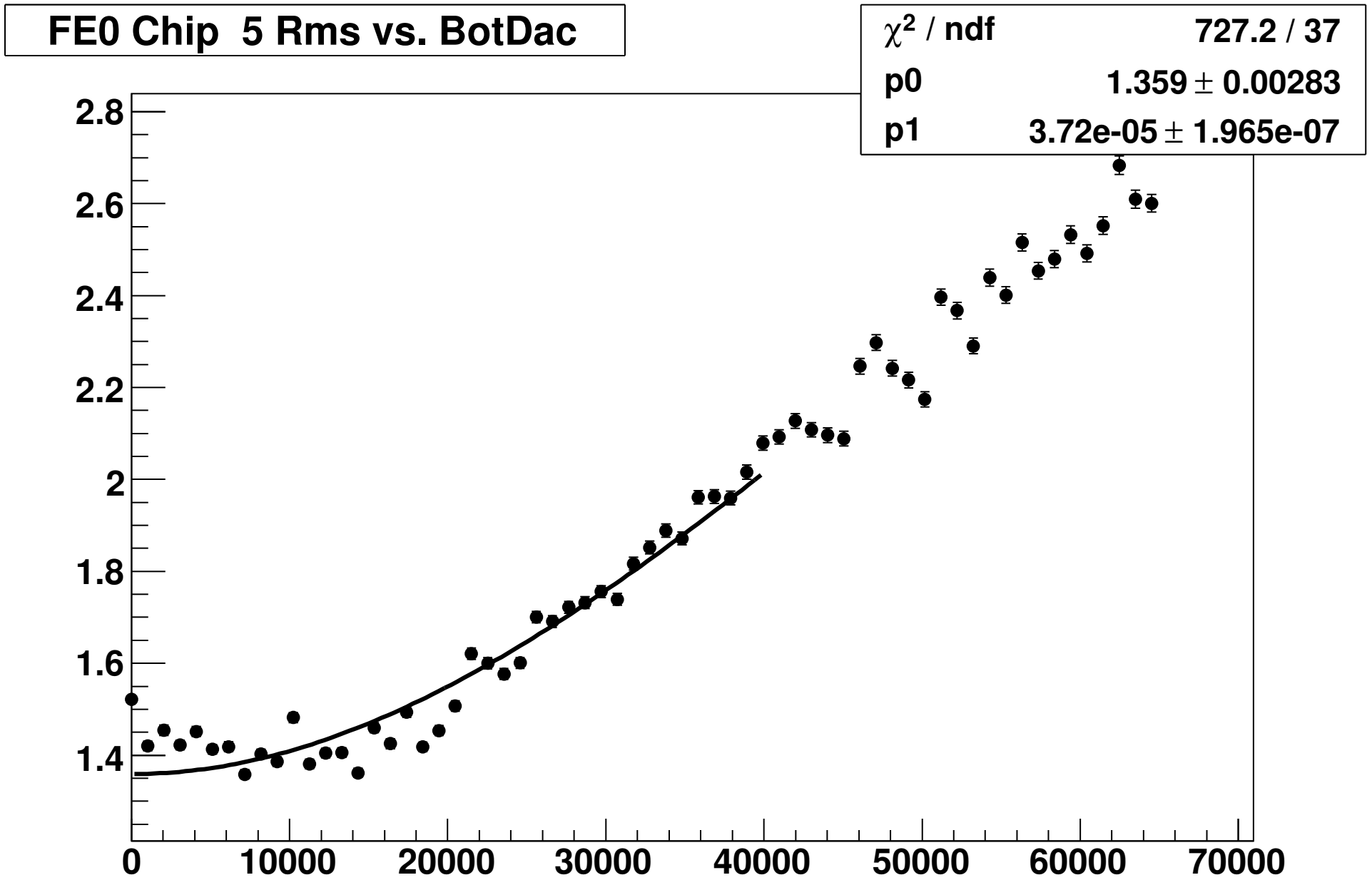

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.035e+05 / 37
p0 66.57 ± 0.005172
p1 0.4502 ± 2.455e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

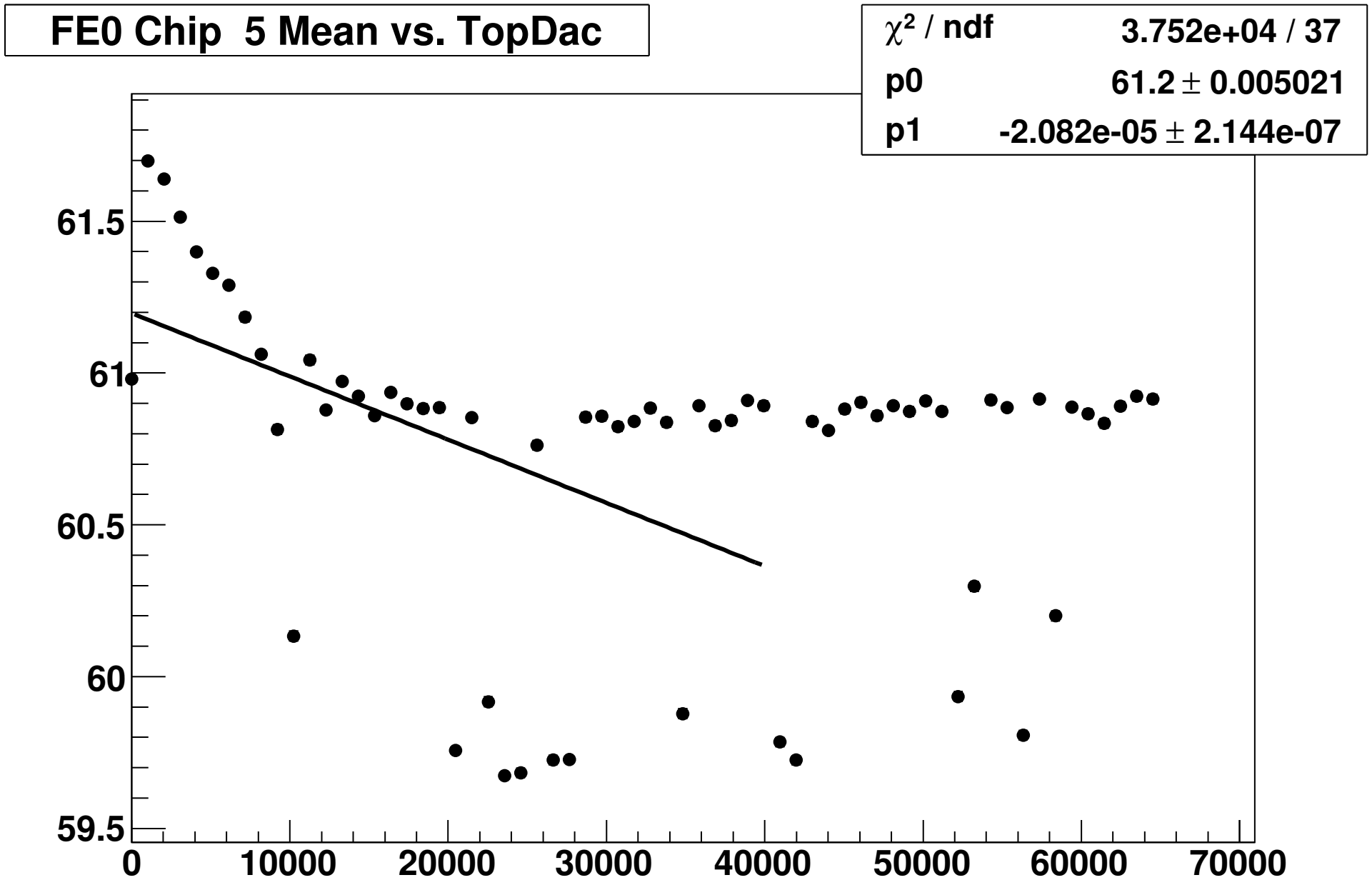

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 731.4 / 37
p0 1.375 ± 0.00285
p1 3.679e-05 ± 2.002e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

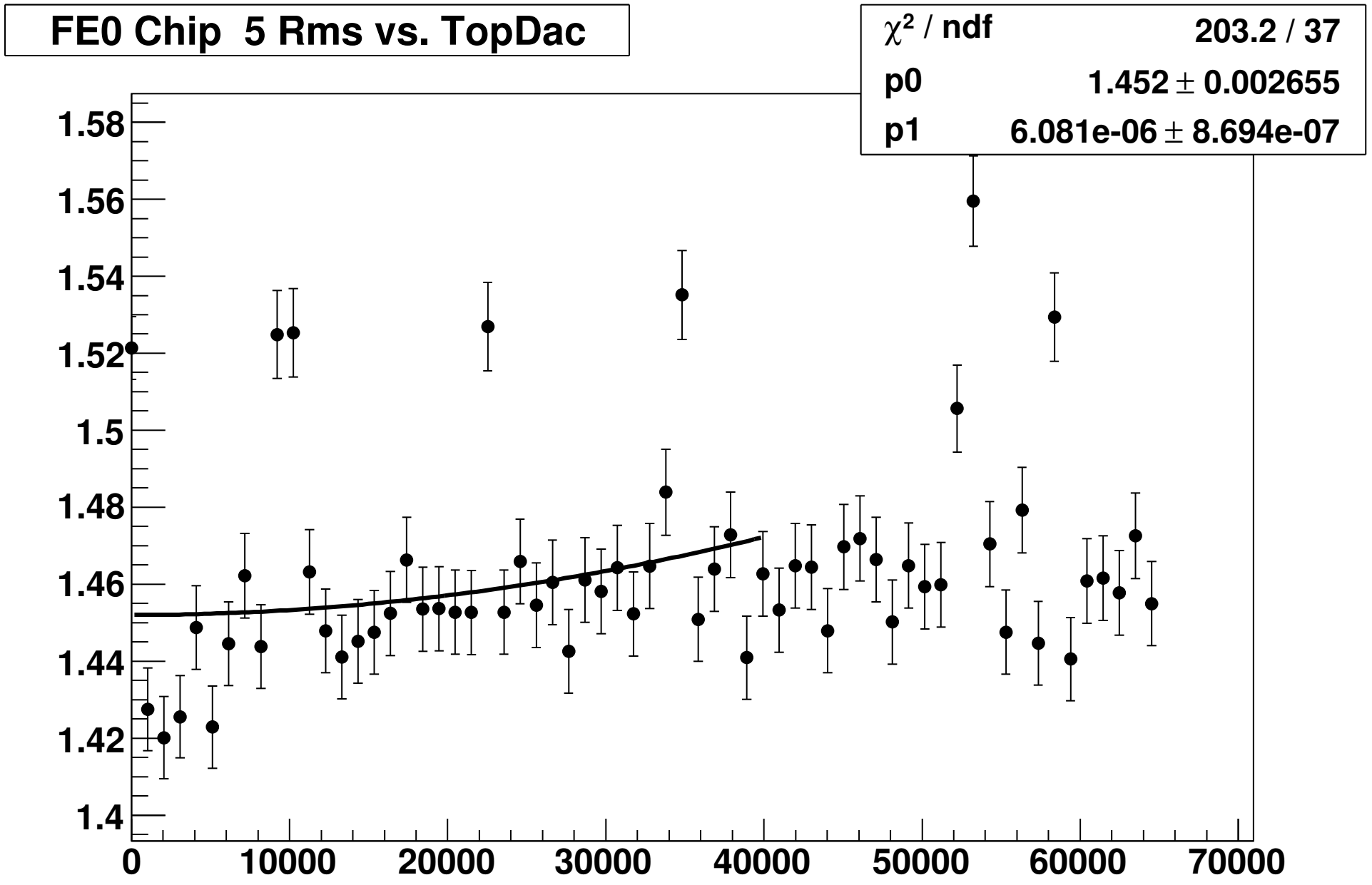

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 3.536e+04 / 37
p0 64.71 ± 0.005163
p1 -1.834e-05 ± 2.19e-07
65.4
65.2
65
64.8
64.6
64.4
64.2
64
63.8
63.6
63.4
63.2
0
10000
20000
30000
40000
50000
60000
70000

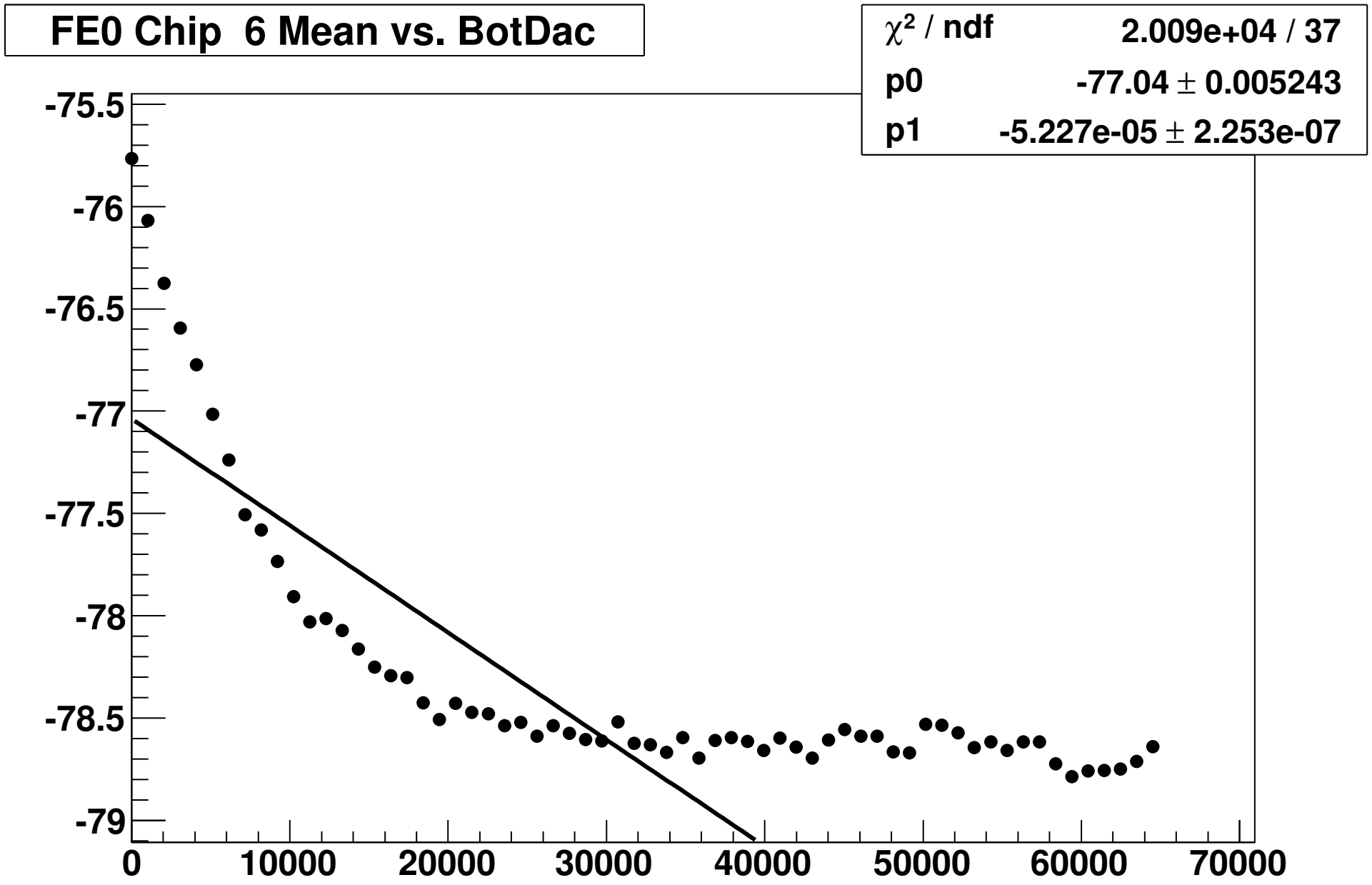

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 303.6 / 37
p0 1.476 ± 0.001779
p1 -1.663e-13 ± 1.355e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

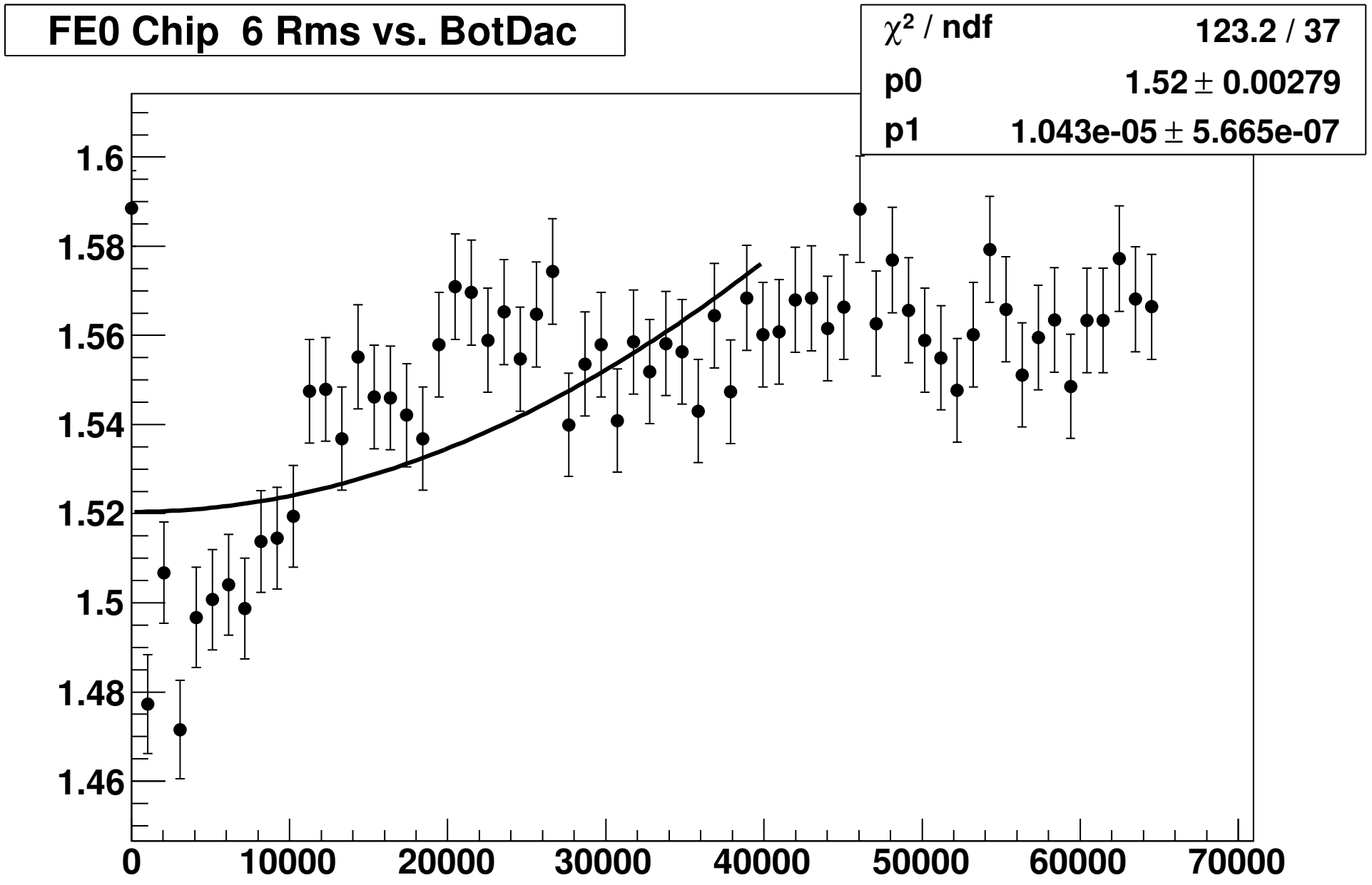

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.153e+05 / 37
p0 62.94 ± 0.005121
p1 0.4502 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

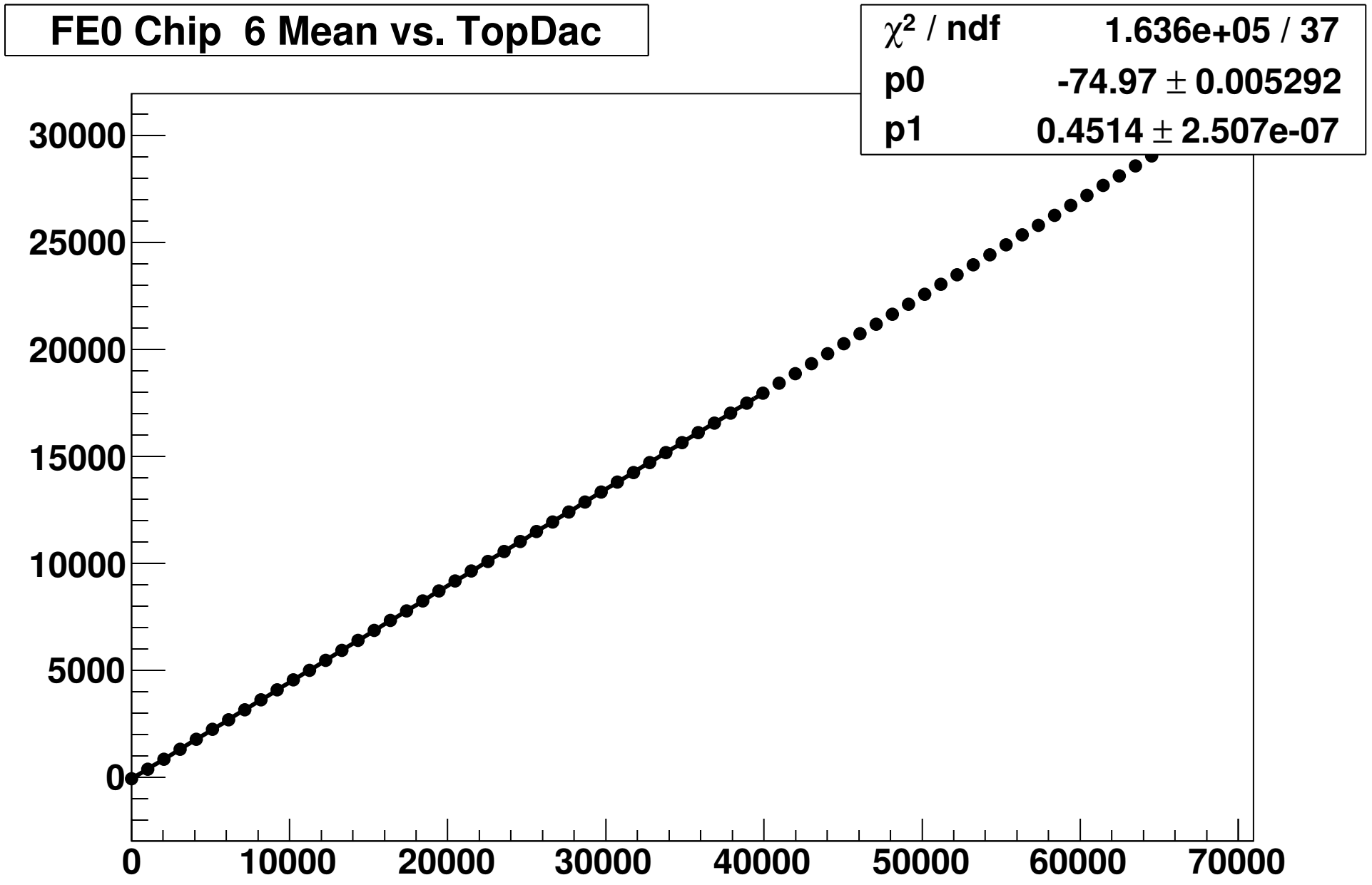

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 727.2 / 37
p0 1.359 ± 0.00283
p1 3.72e-05 ± 1.965e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

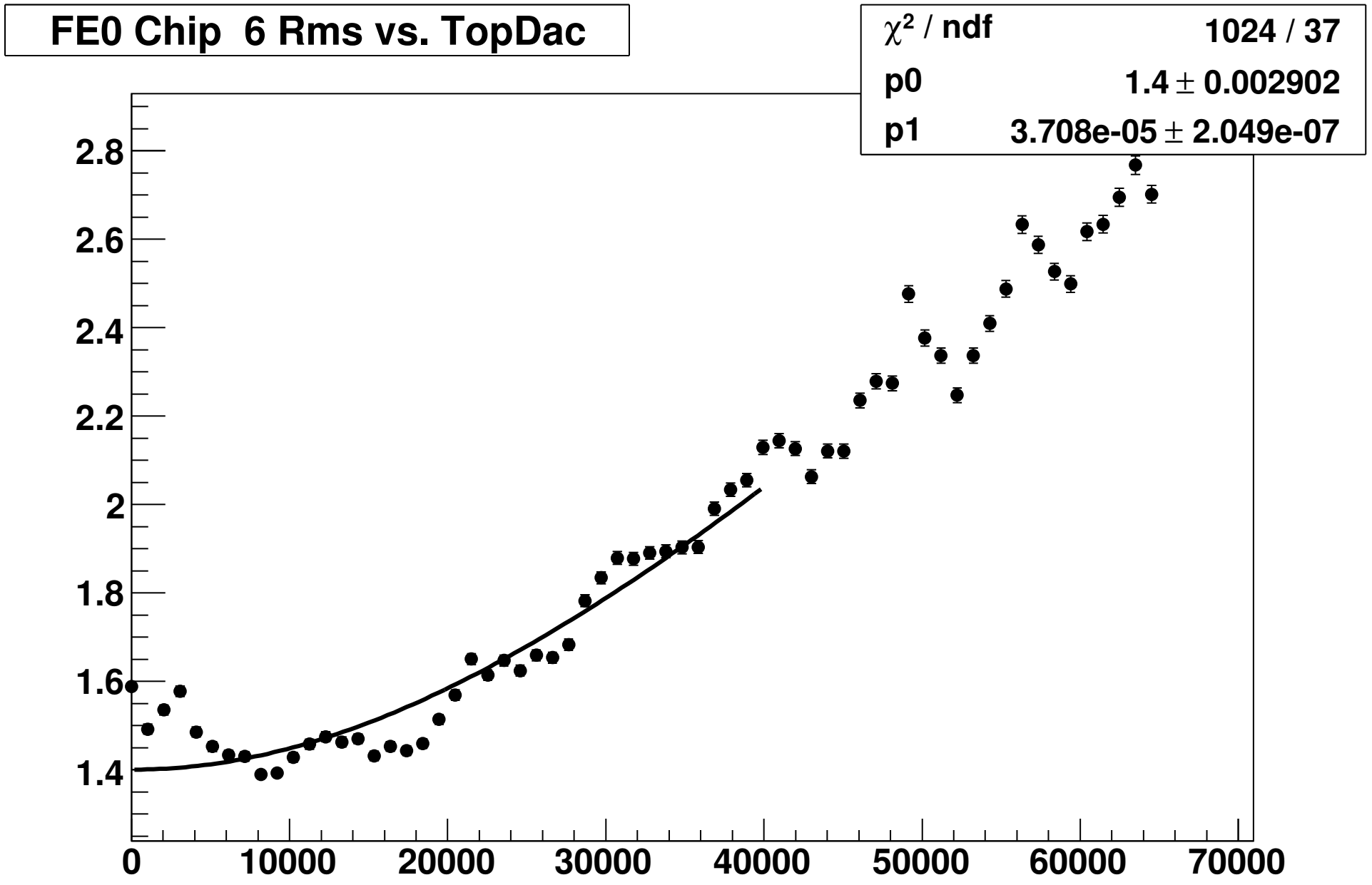

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 3.752e+04 / 37
p0 61.2 ± 0.005021
p1 -2.082e-05 ± 2.144e-07
61.5
61
60.5
60
59.5
0
10000
20000
30000
40000
50000
60000
70000

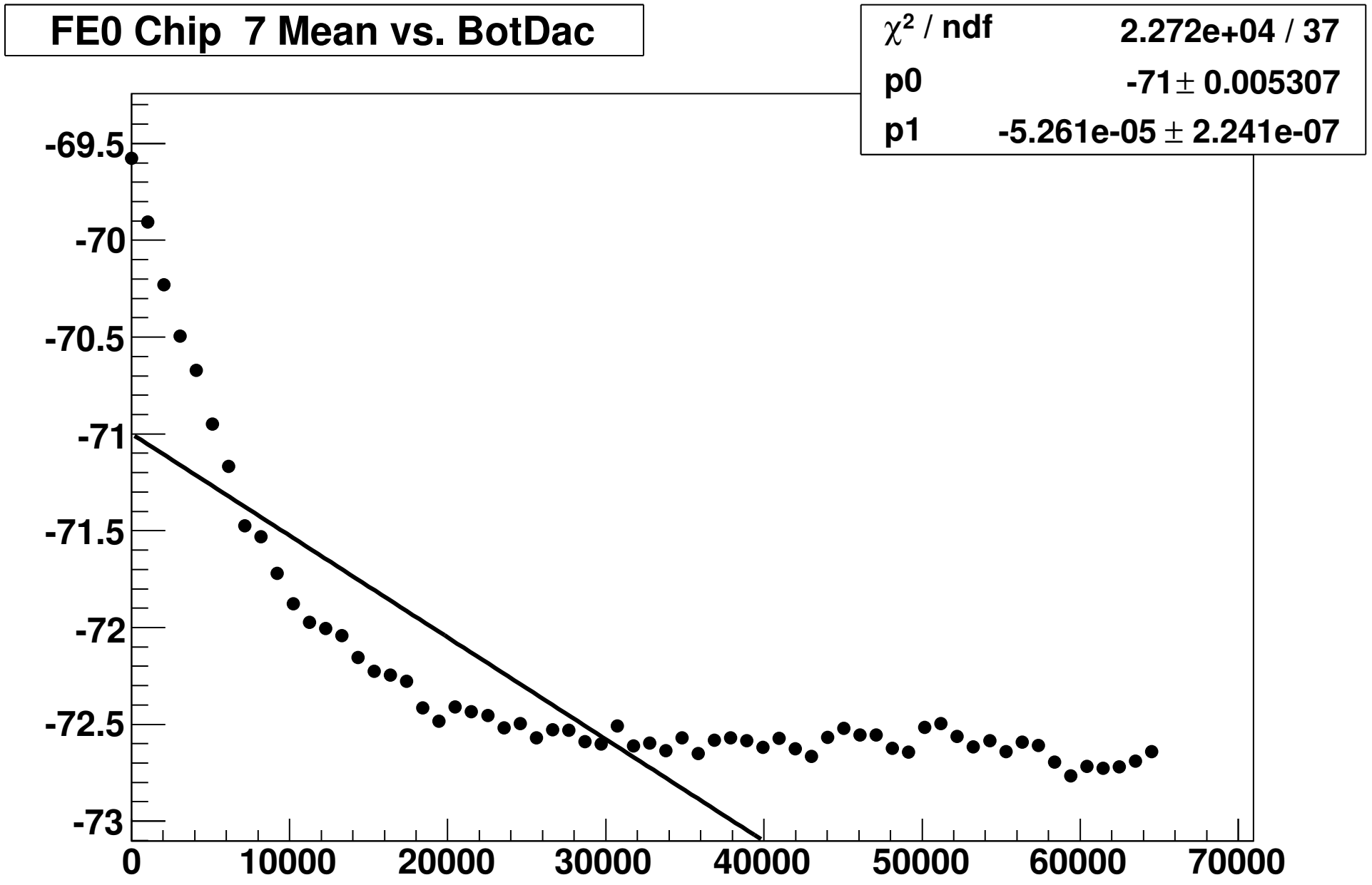

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 203.2 / 37
p0 1.452 ± 0.002655
p1 6.081e-06 ± 8.694e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

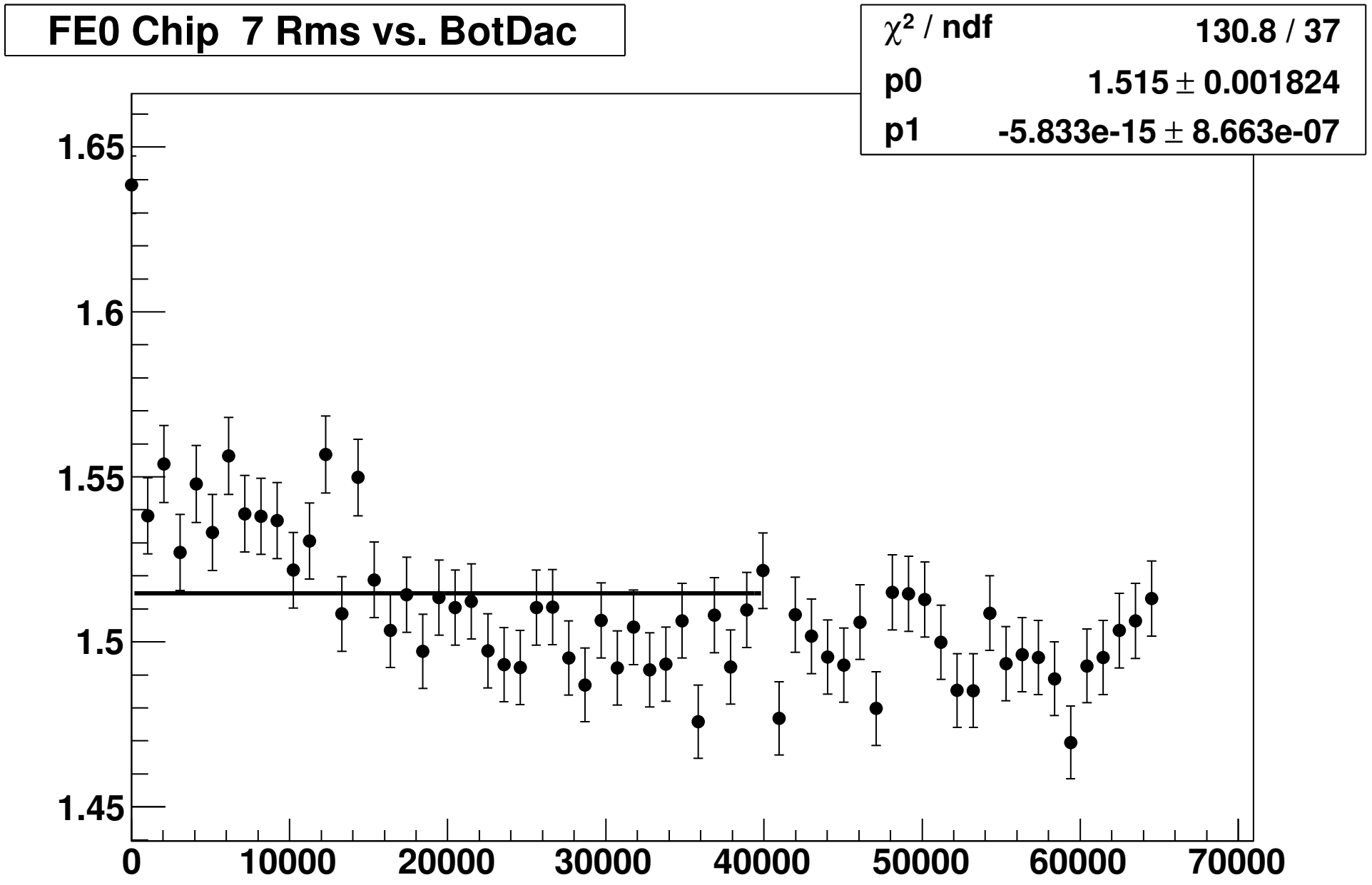

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 2.009e+04 / 37
p0 -77.04 ± 0.005243
p1 -5.227e-05 ± 2.253e-07
-75.5
-76
-76.5
-77
-77.5
-78
-78.5
-79
0
10000
20000
30000
40000
50000
60000
70000

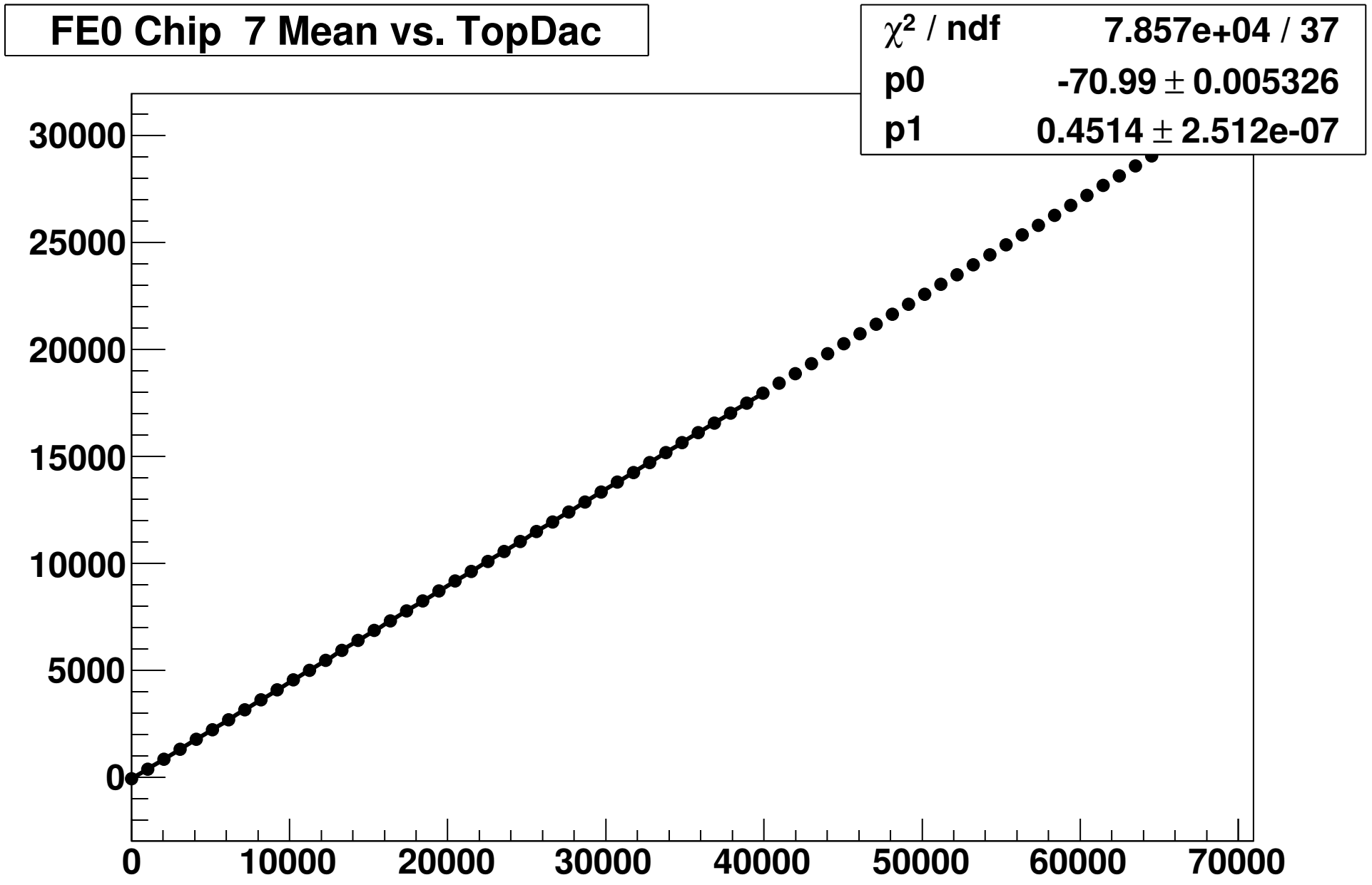

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 123.2 / 37
p0 1.52 ± 0.00279
p1 1.043e-05 ± 5.665e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

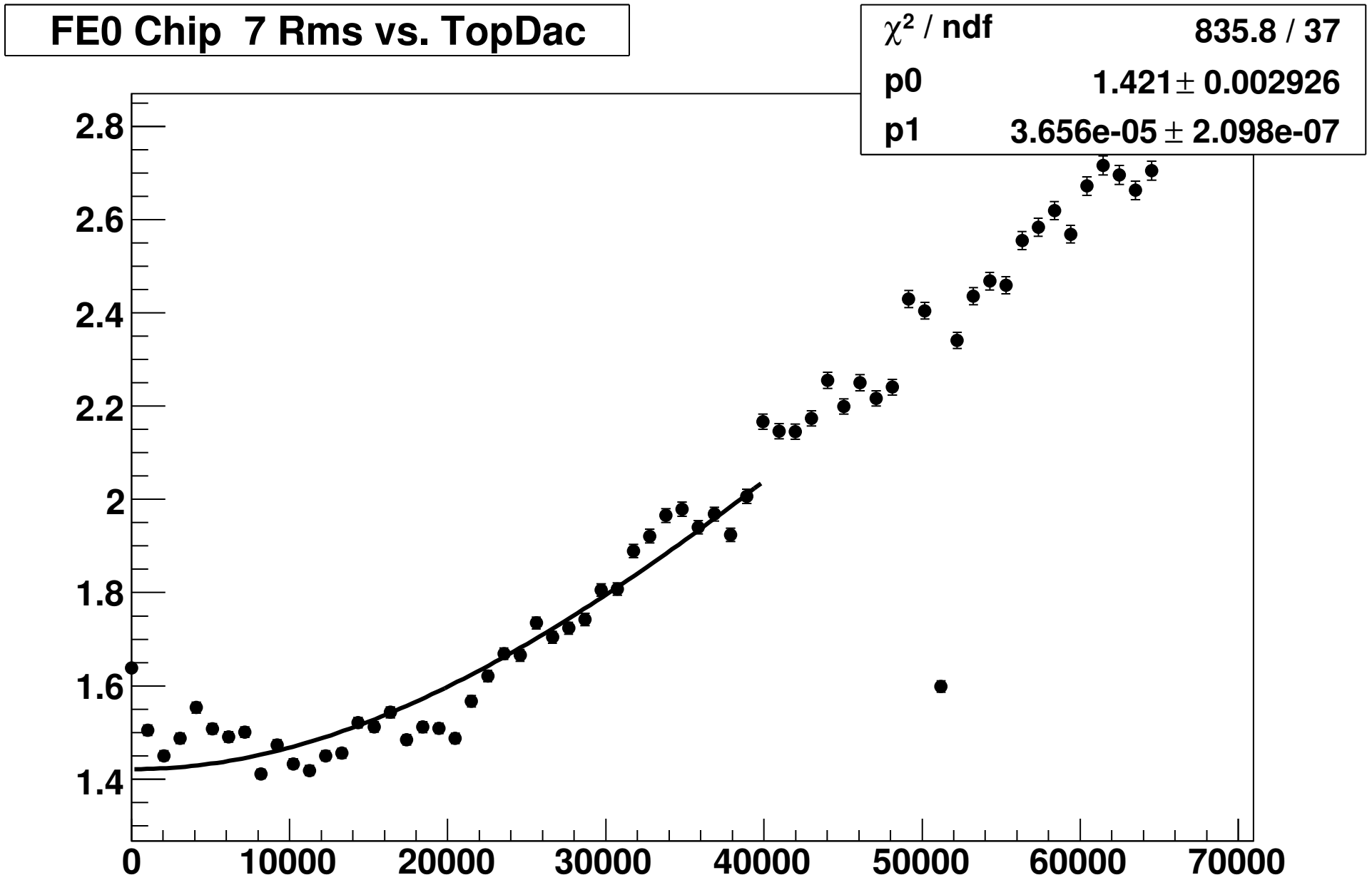

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.636e+05 / 37
p0 -74.97 ± 0.005292
p1 0.4514 ± 2.507e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

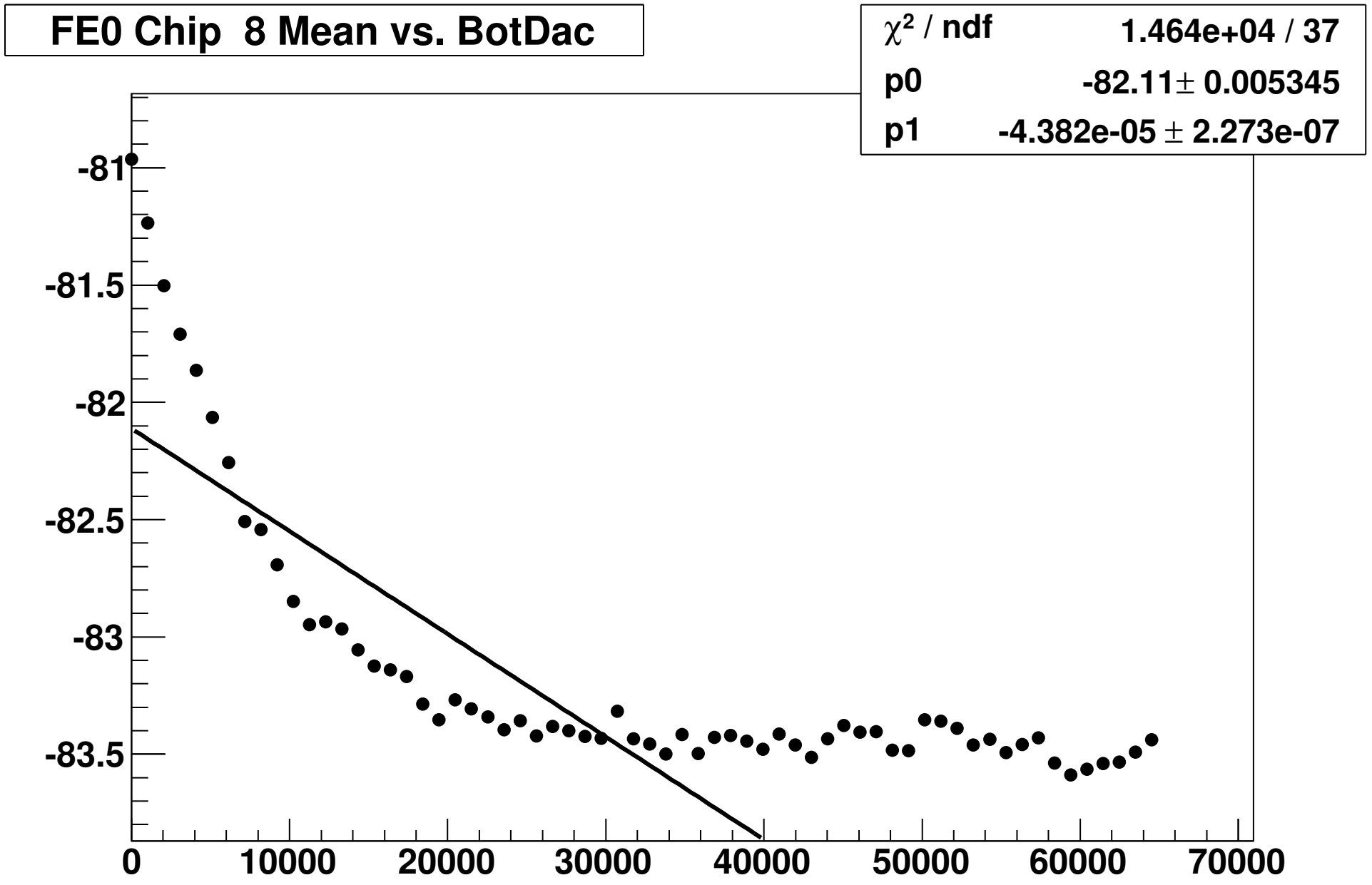

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 1024 / 37
p0 1.4 ± 0.002902
p1 3.708e-05 ± 2.049e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

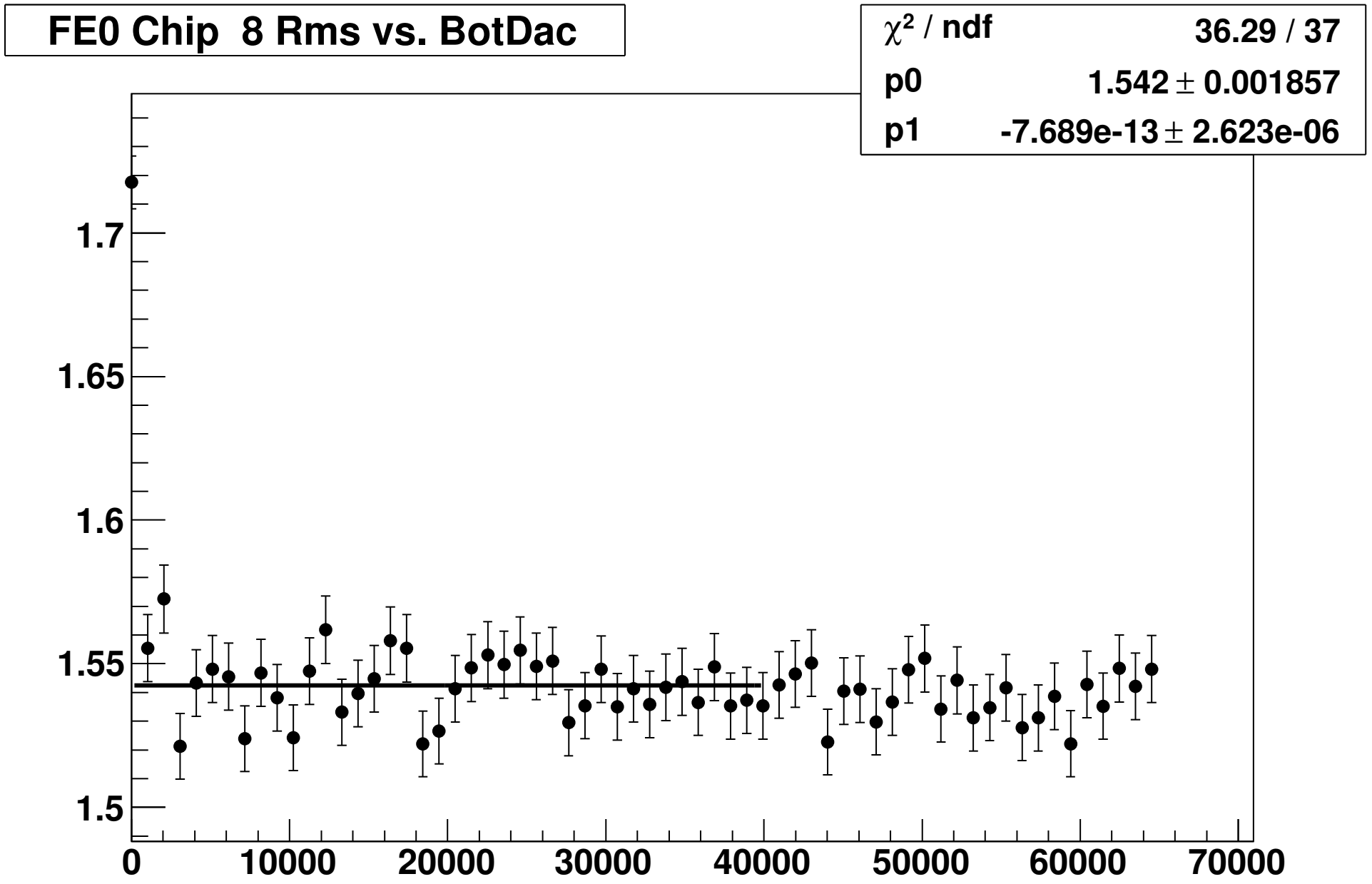

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 2.272e+04 / 37
p0 -71 ± 0.005307
p1 -5.261e-05 ± 2.241e-07
-69.5
-70
-70.5
-71
-71.5
-72
-72.5
-73
0
10000
20000
30000
40000
50000
60000
70000

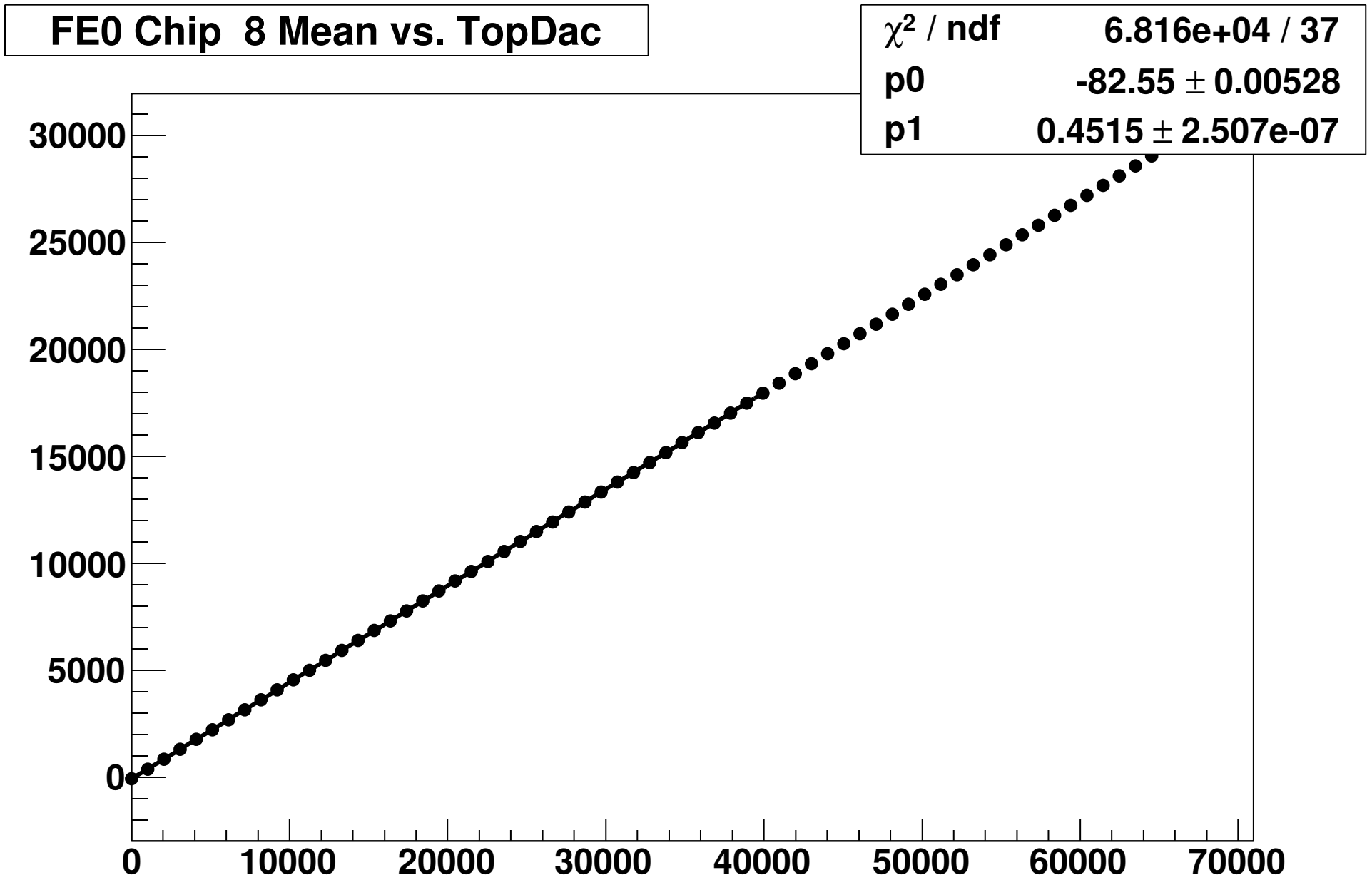

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 130.8 / 37
p0 1.515 ± 0.001824
p1 -5.833e-15 ± 8.663e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

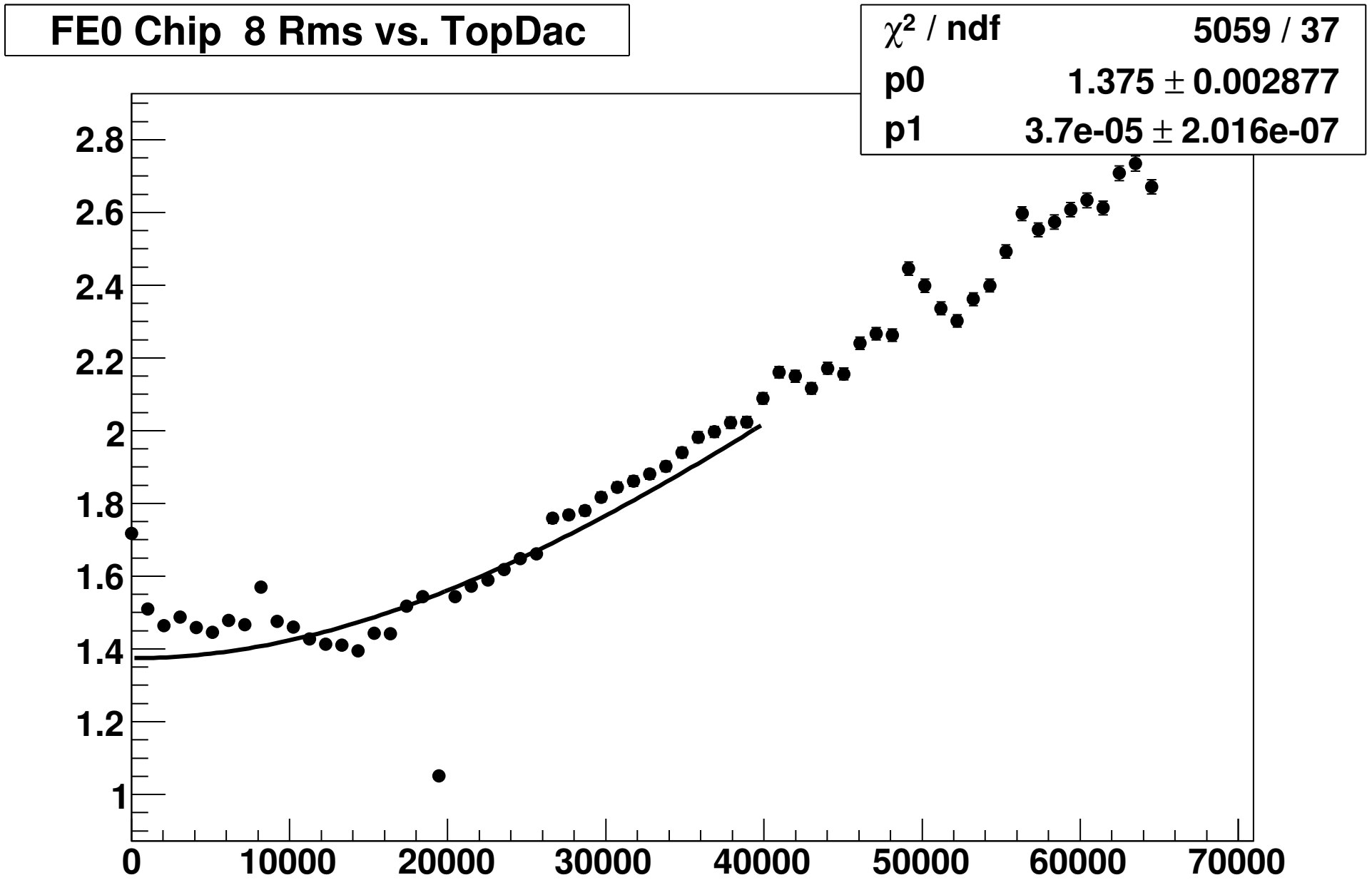

FE0 Chip 7 Mean vs. TopDac
χ² / ndf 7.857e+04 / 37
p0 -70.99 ± 0.005326
p1 0.4514 ± 2.512e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

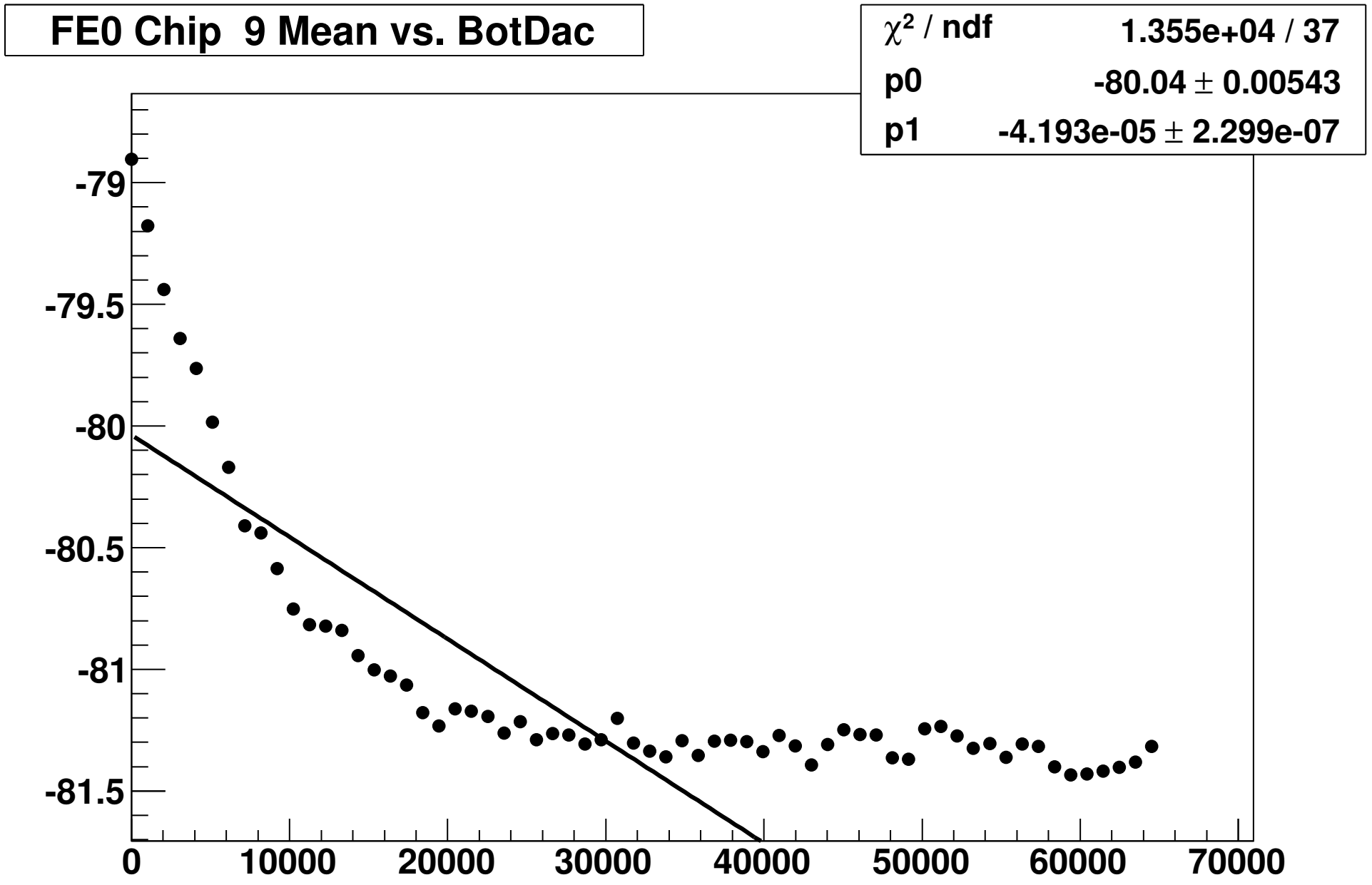

FE0 Chip 7 Rms vs. TopDac
χ² / ndf 835.8 / 37
p0 1.421 ± 0.002926
p1 3.656e-05 ± 2.098e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

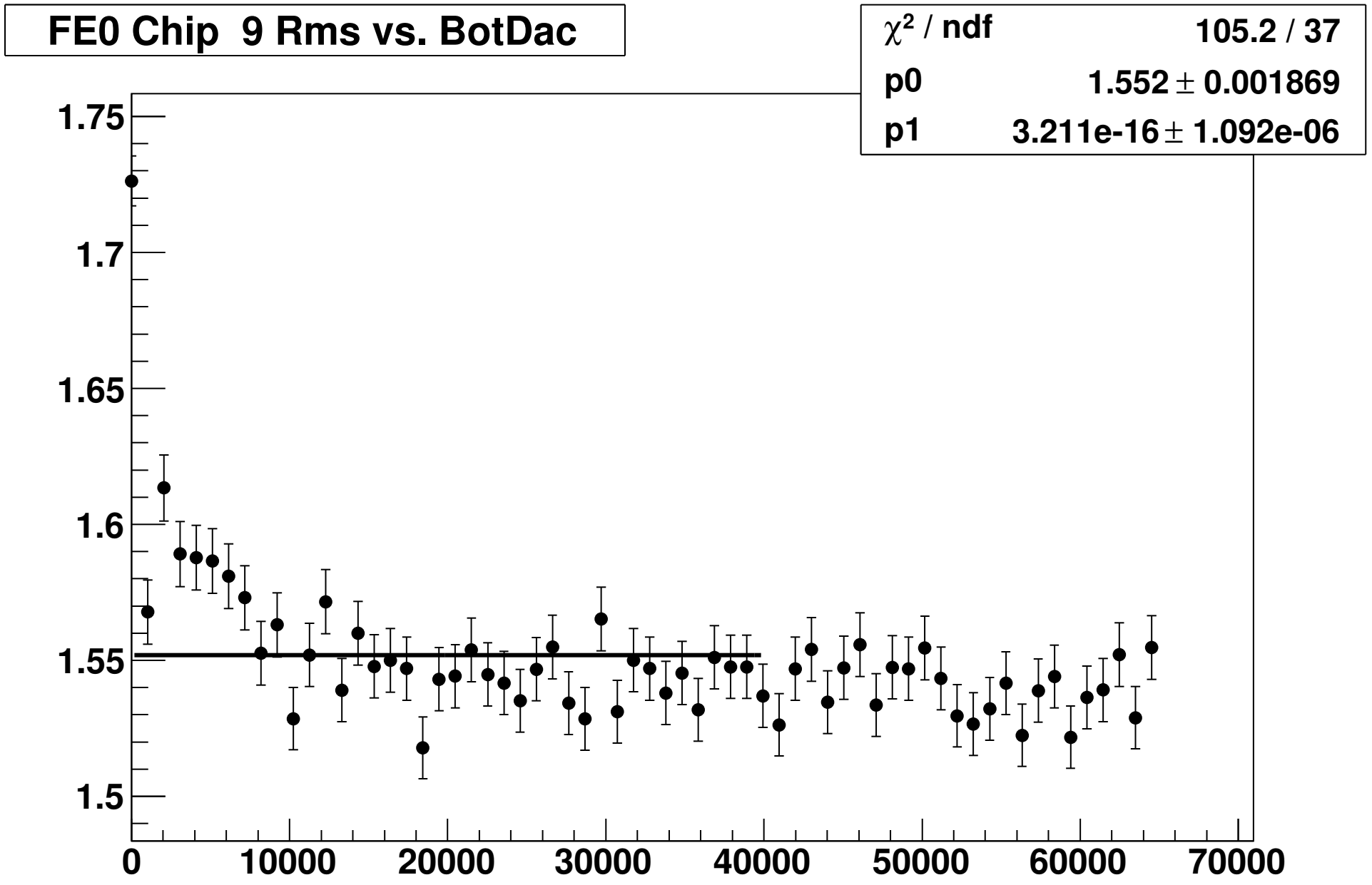

FE0 Chip 8 Mean vs. BotDac
χ² / ndf 1.464e+04 / 37
p0 -82.11± 0.005345
p1 -4.382e-05 ± 2.273e-07
-81
-81.5
-82
-82.5
-83
-83.5
0
10000
20000
30000
40000
50000
60000
70000

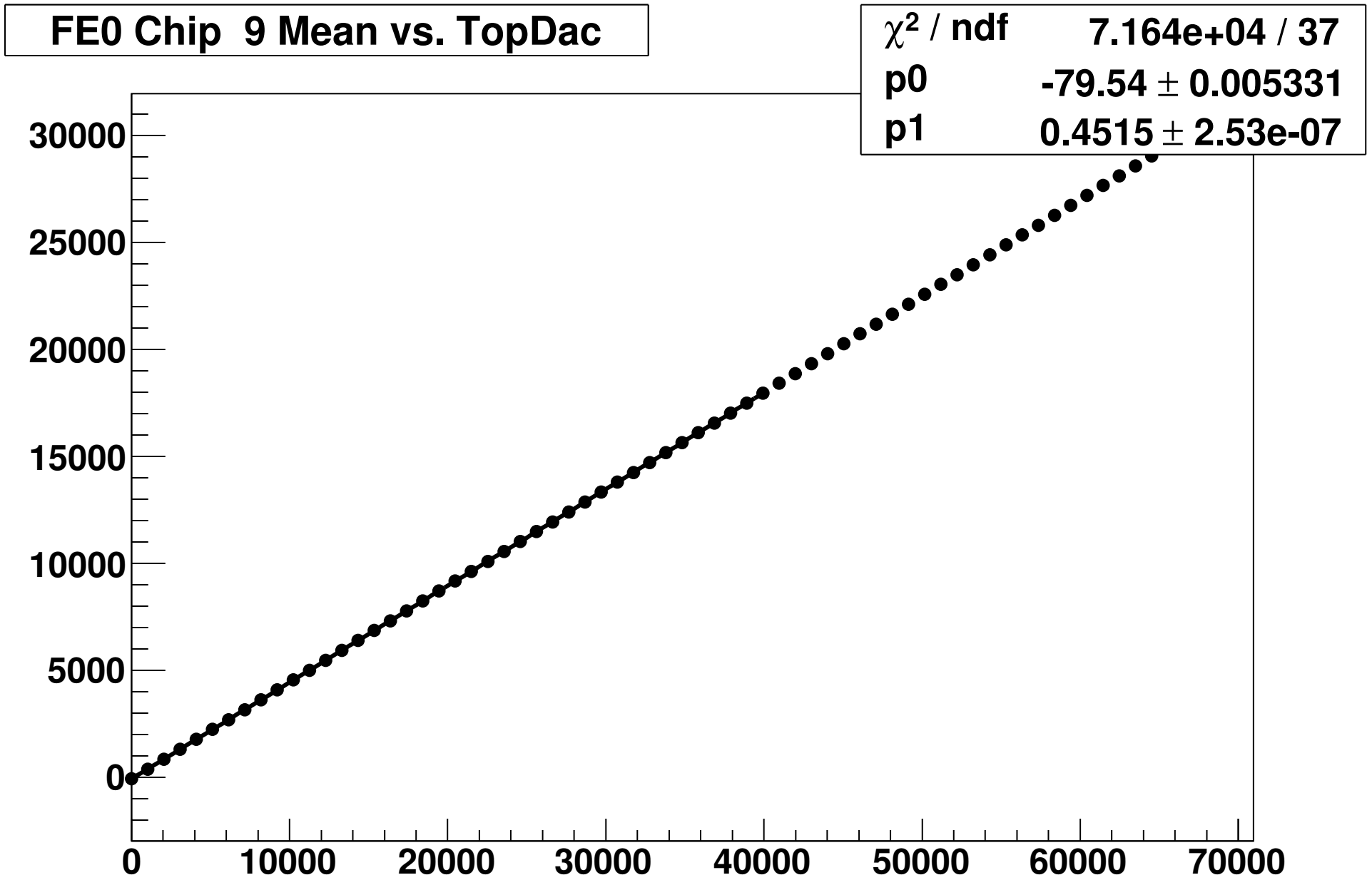

FE0 Chip 8 Rms vs. BotDac
χ² / ndf 36.29 / 37
p0 1.542 ± 0.001857
p1 -7.689e-13 ± 2.623e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000

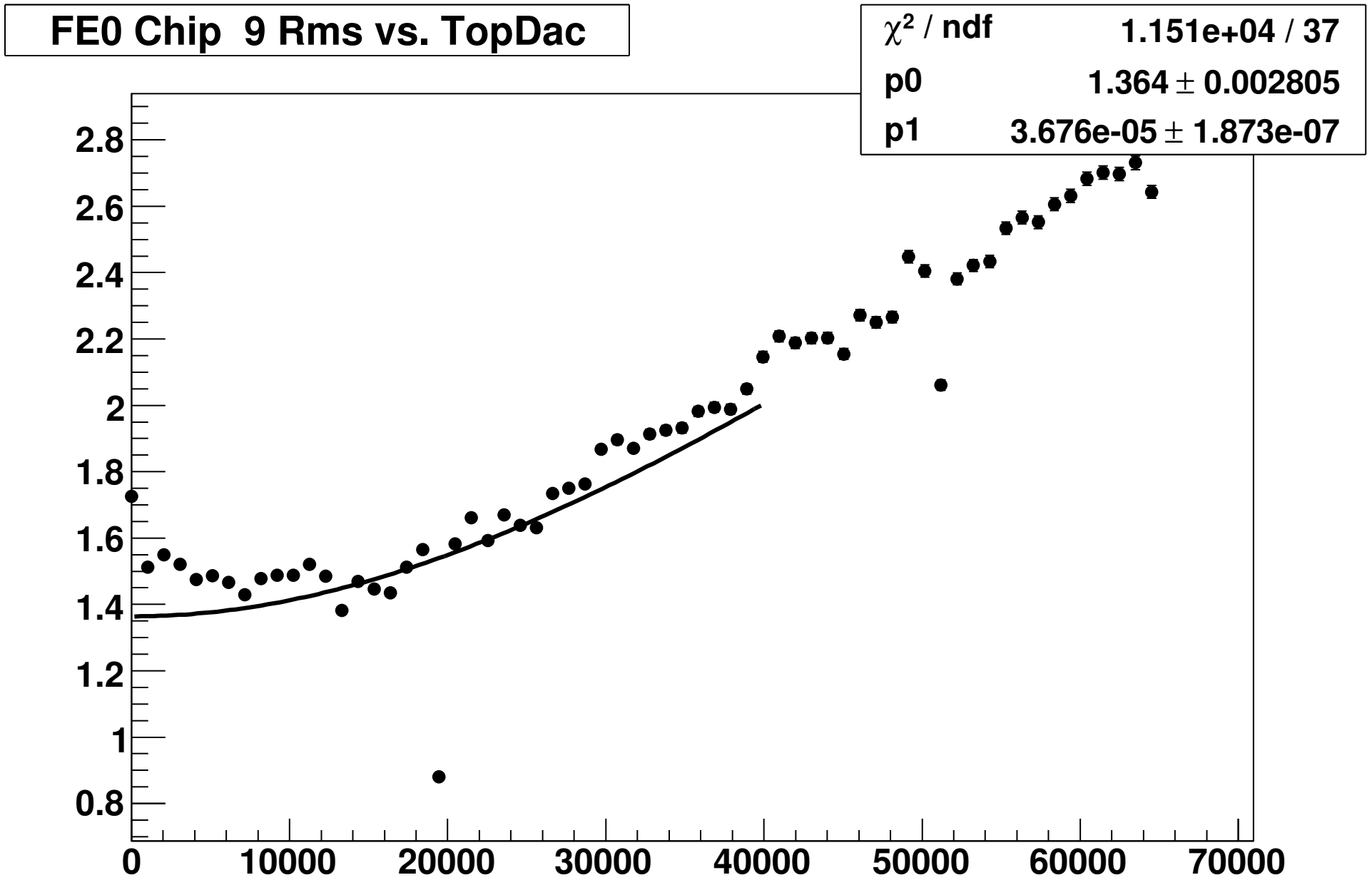

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 6.816e+04 / 37
p0 -82.55 ± 0.00528
p1 0.4515 ± 2.507e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

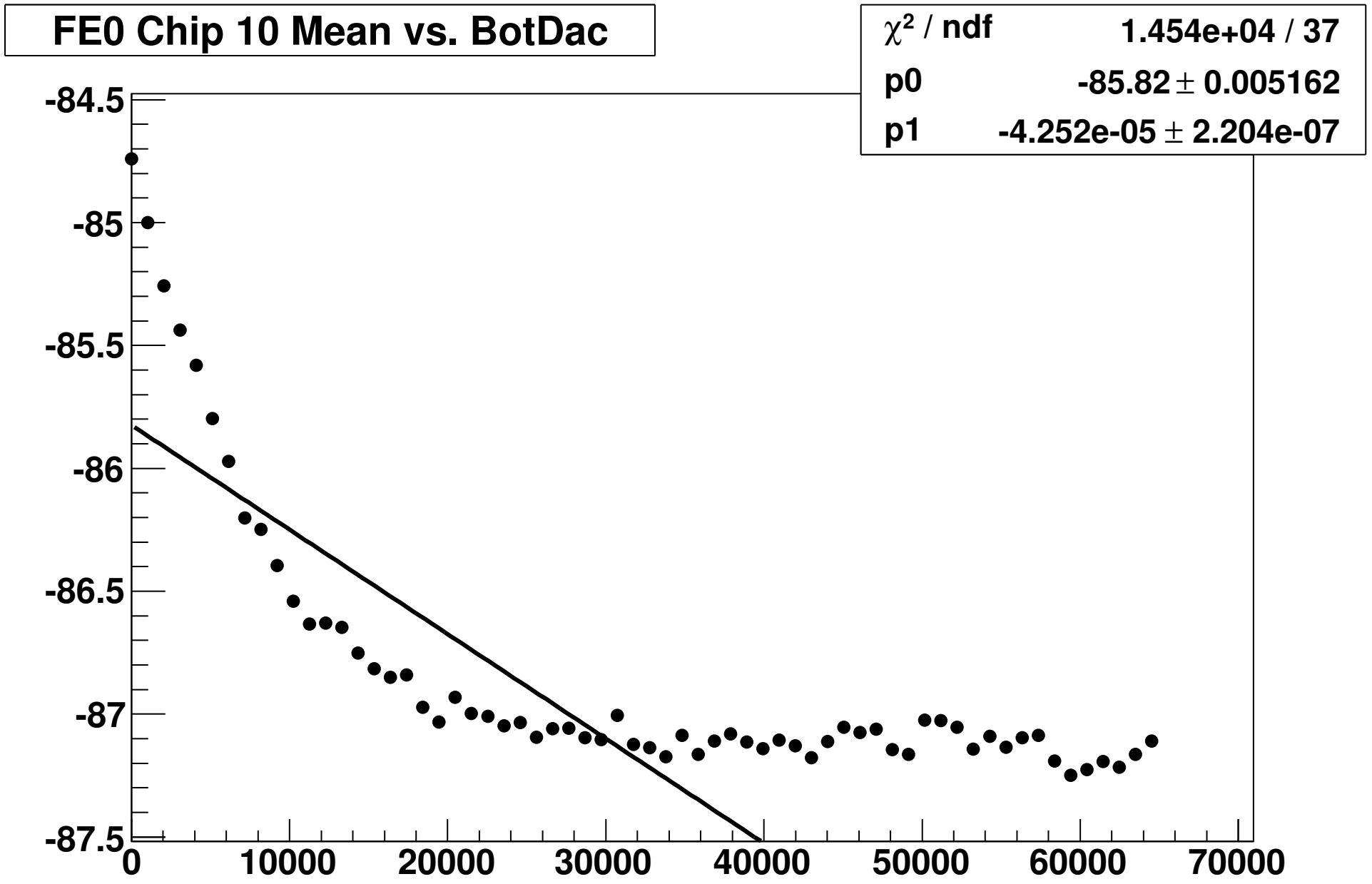

FE0 Chip 8 Rms vs. TopDac
χ² / ndf 5059 / 37
p0 1.375 ± 0.002877
p1 3.7e-05 ± 2.016e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000

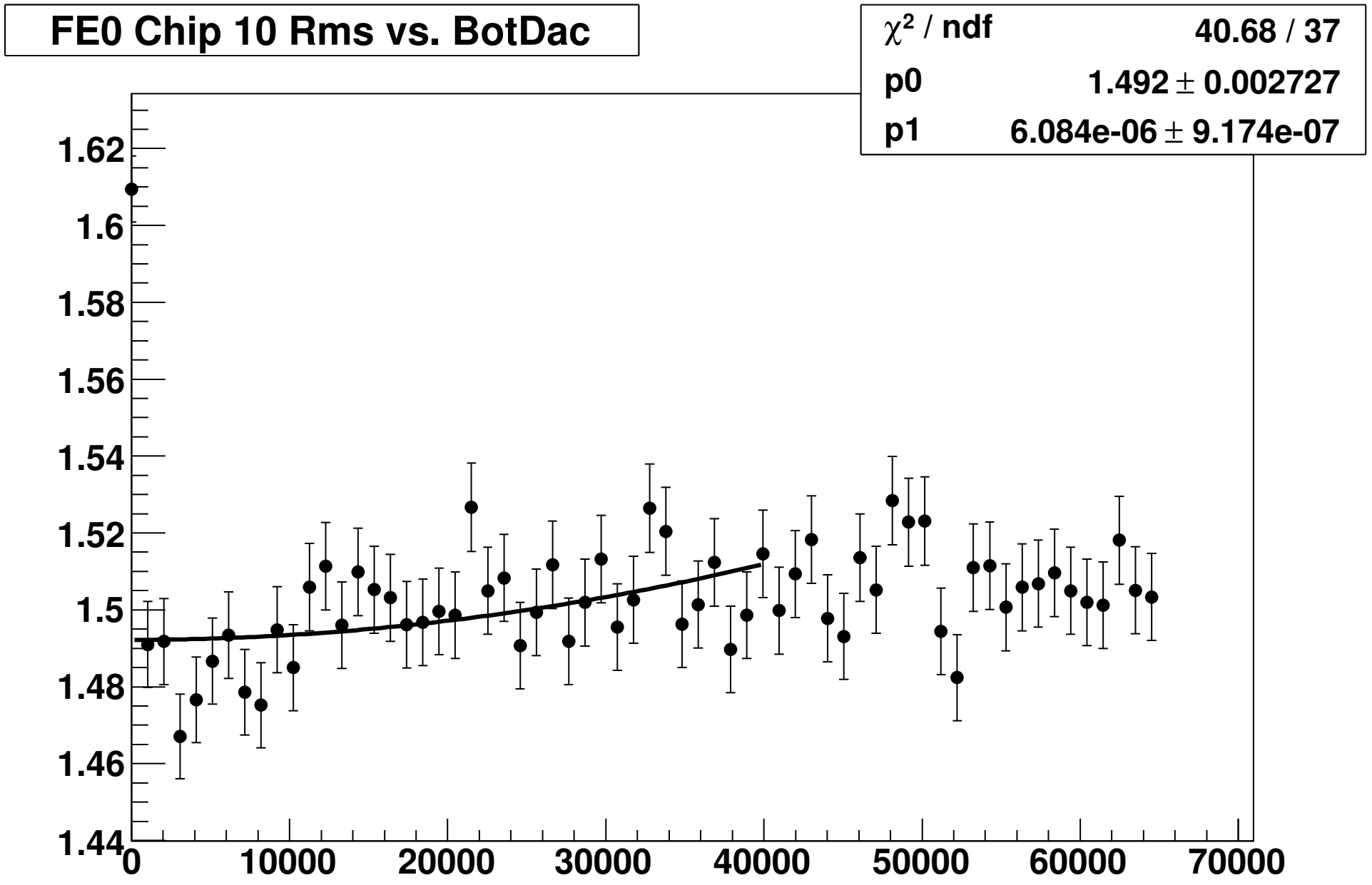

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 1.355e+04 / 37
p0 -80.04 ± 0.00543
p1 -4.193e-05 ± 2.299e-07
-79
-79.5
-80
-80.5
-81
-81.5
0
10000
20000
30000
40000
50000
60000
70000

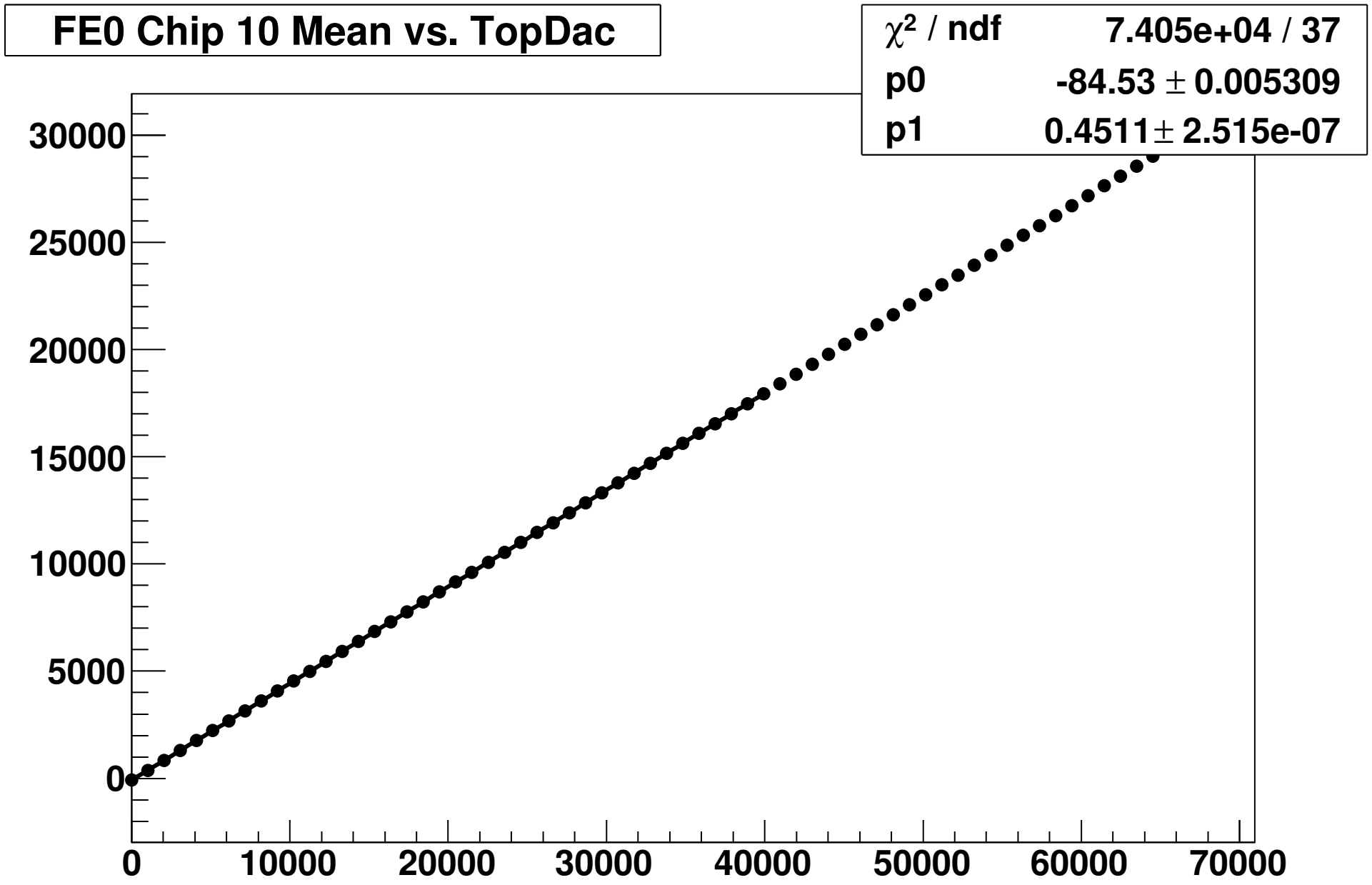

FE0 Chip 9 Rms vs. BotDac
χ² / ndf 105.2 / 37
p0 1.552 ± 0.001869
p1 3.211e-16 ± 1.092e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000

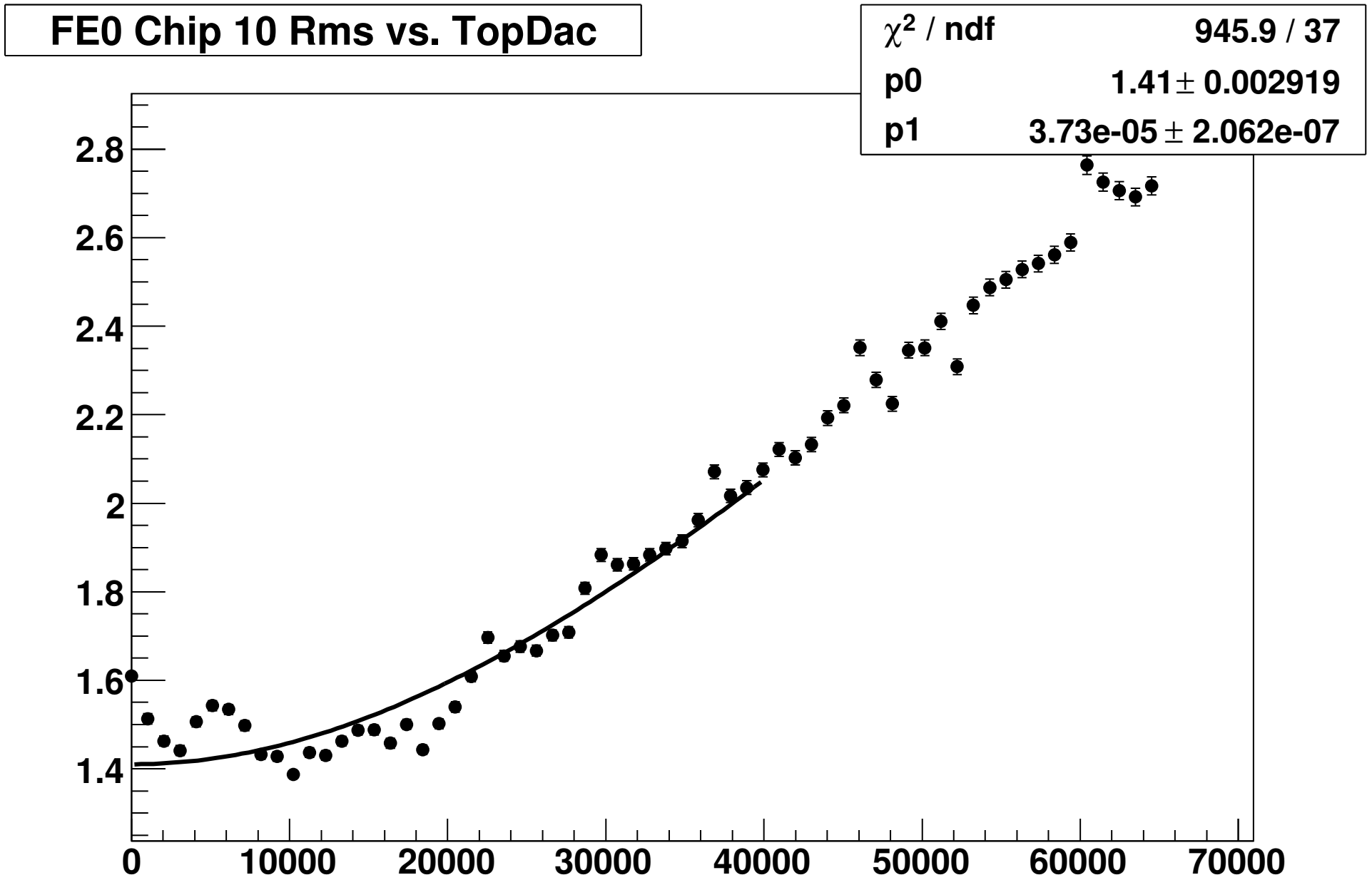

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 7.164e+04 / 37
p0 -79.54 ± 0.005331
p1 0.4515 ± 2.53e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

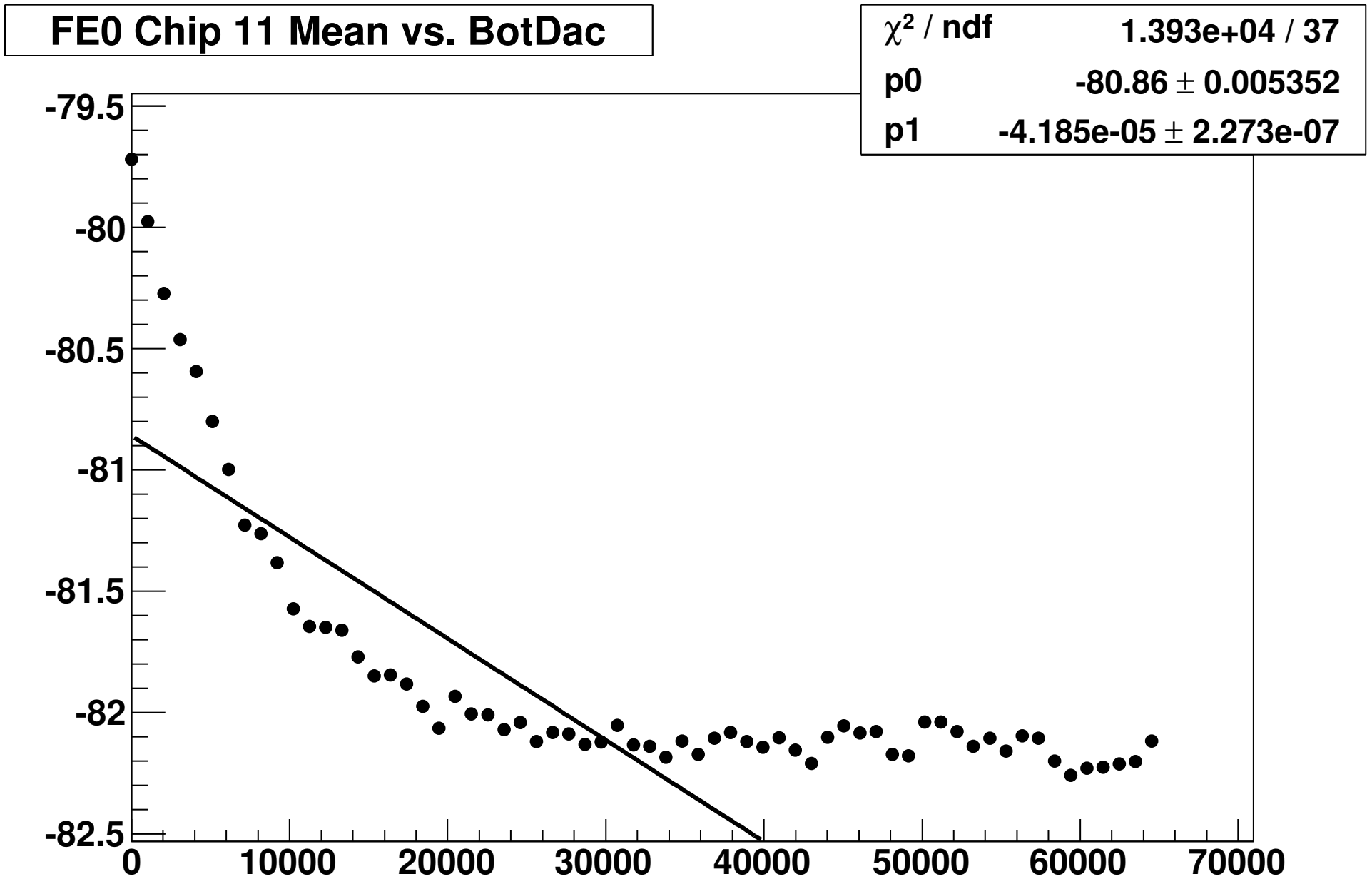

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1.151e+04 / 37
p0 1.364 ± 0.002805
p1 3.676e-05 ± 1.873e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000
70000

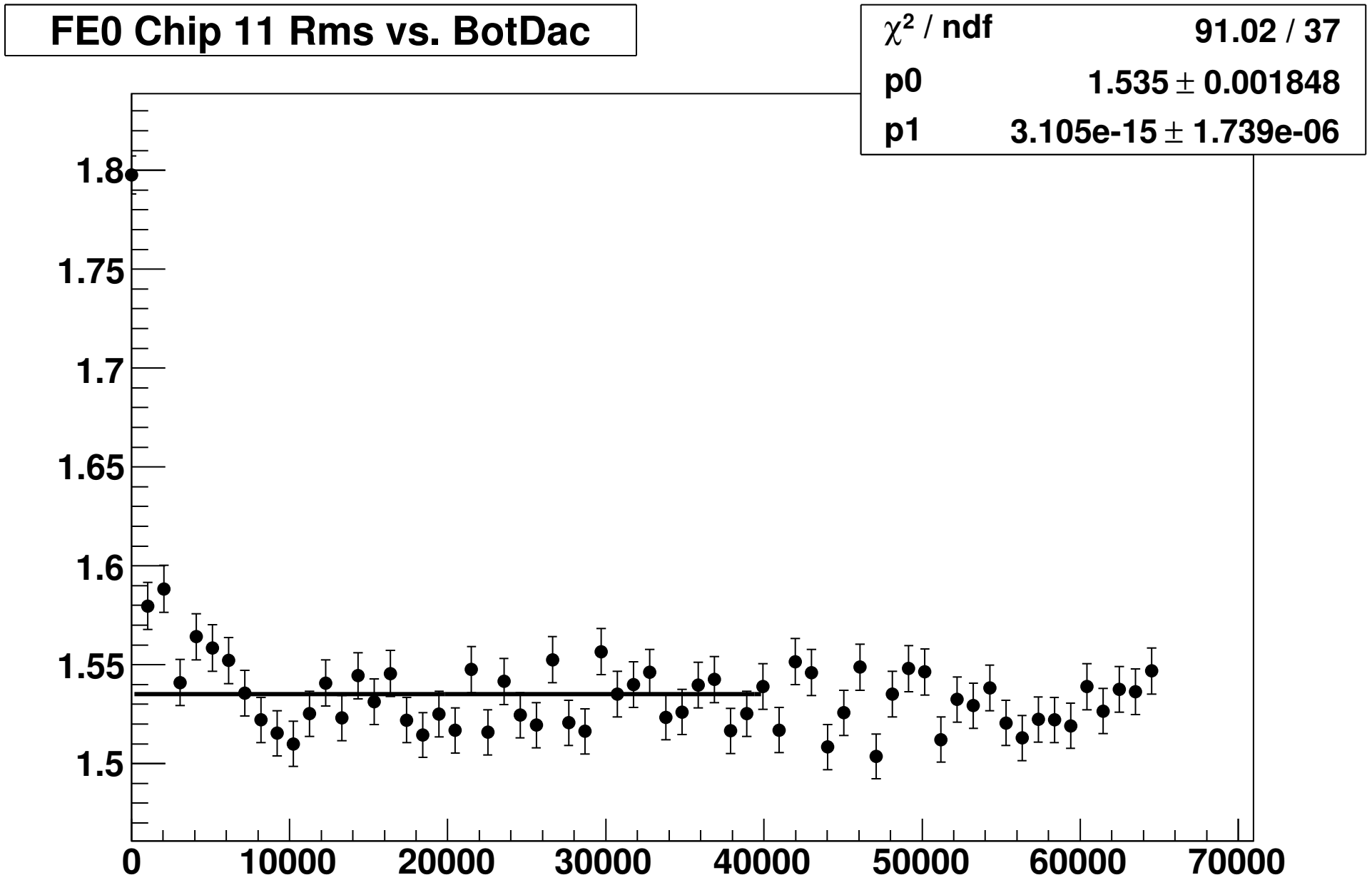

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 1.454e+04 / 37
p0 -85.82 ± 0.005162
p1 -4.252e-05 ± 2.204e-07
-84.5
-85
-85.5
-86
-86.5
-87
-87.5
0
10000
20000
30000
40000
50000
60000
70000

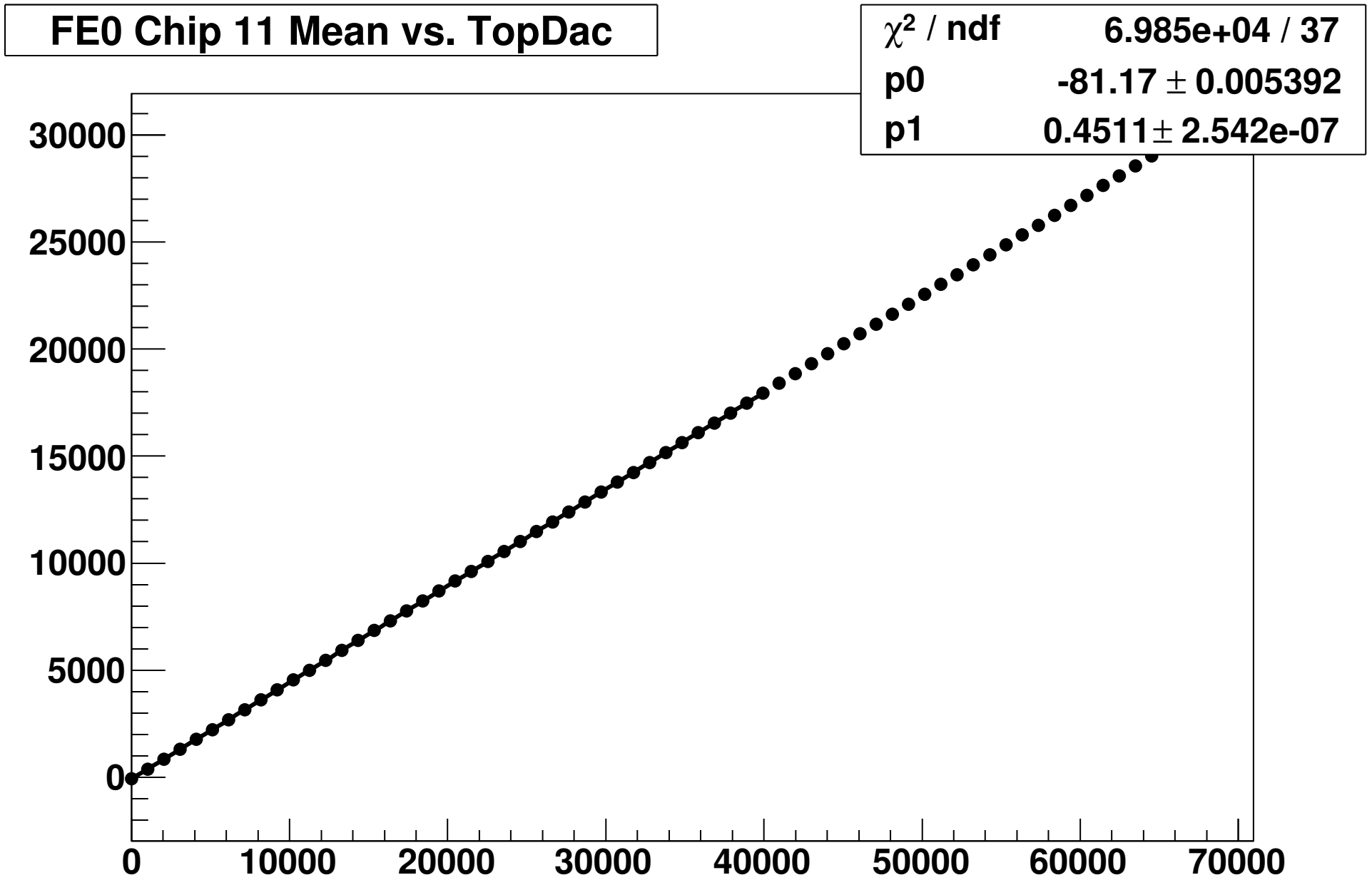

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 40.68 / 37
p0 1.492 ± 0.002727
p1 6.084e-06 ± 9.174e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

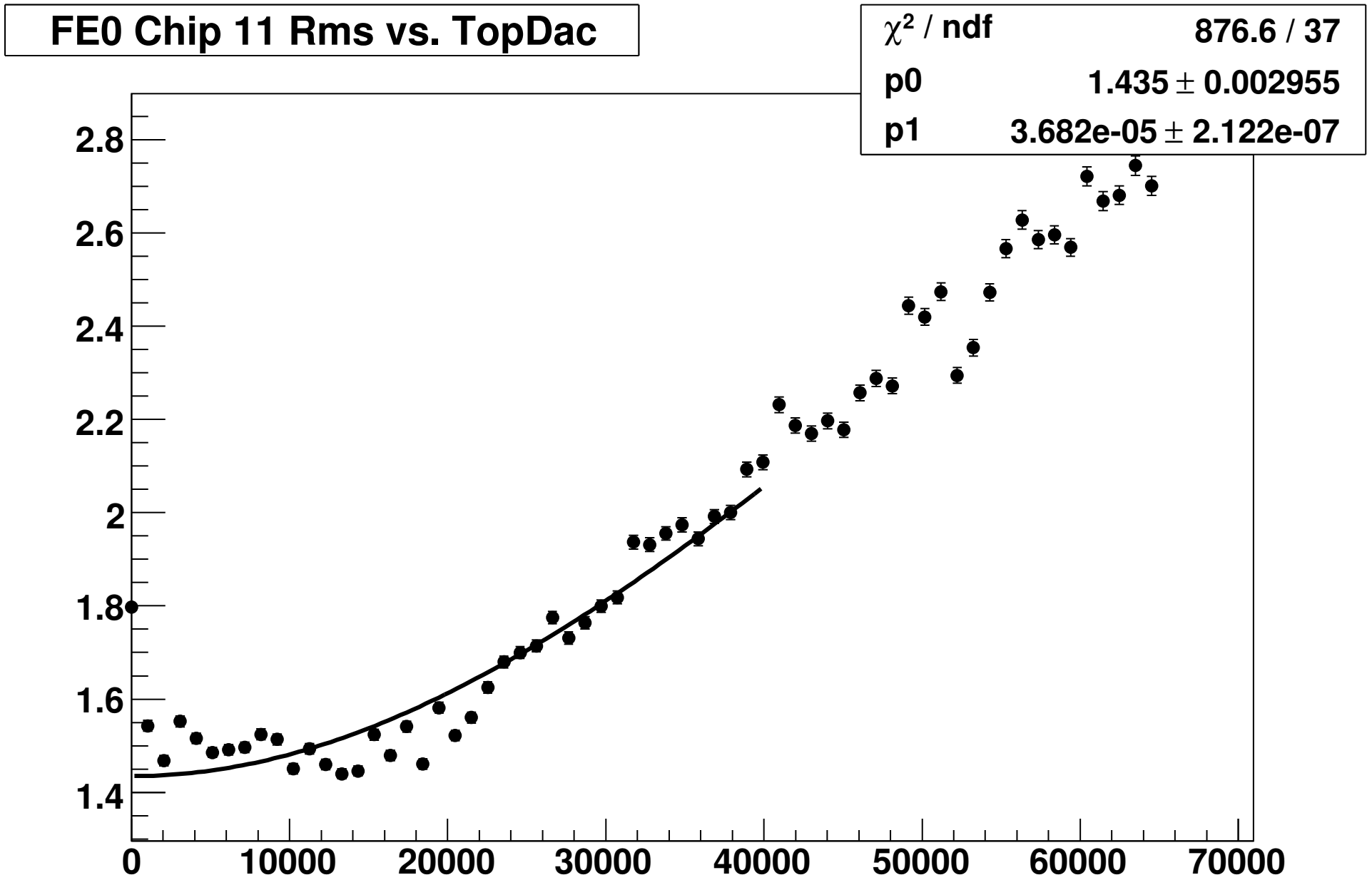

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 7.405e+04 / 37
p0 -84.53 ± 0.005309
p1 0.4511 ± 2.515e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

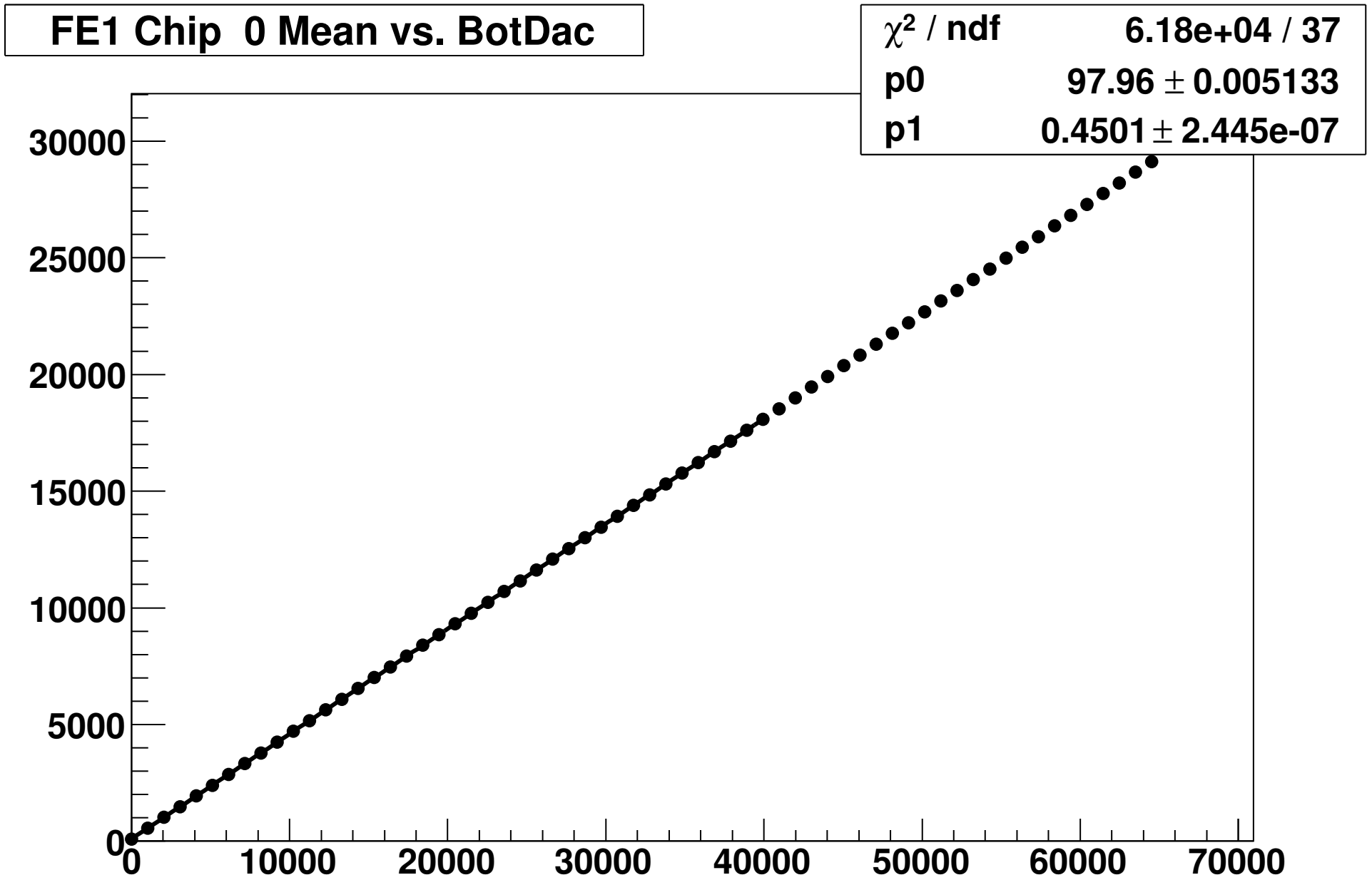

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 945.9 / 37
p0 1.41 ± 0.002919
p1 3.73e-05 ± 2.062e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

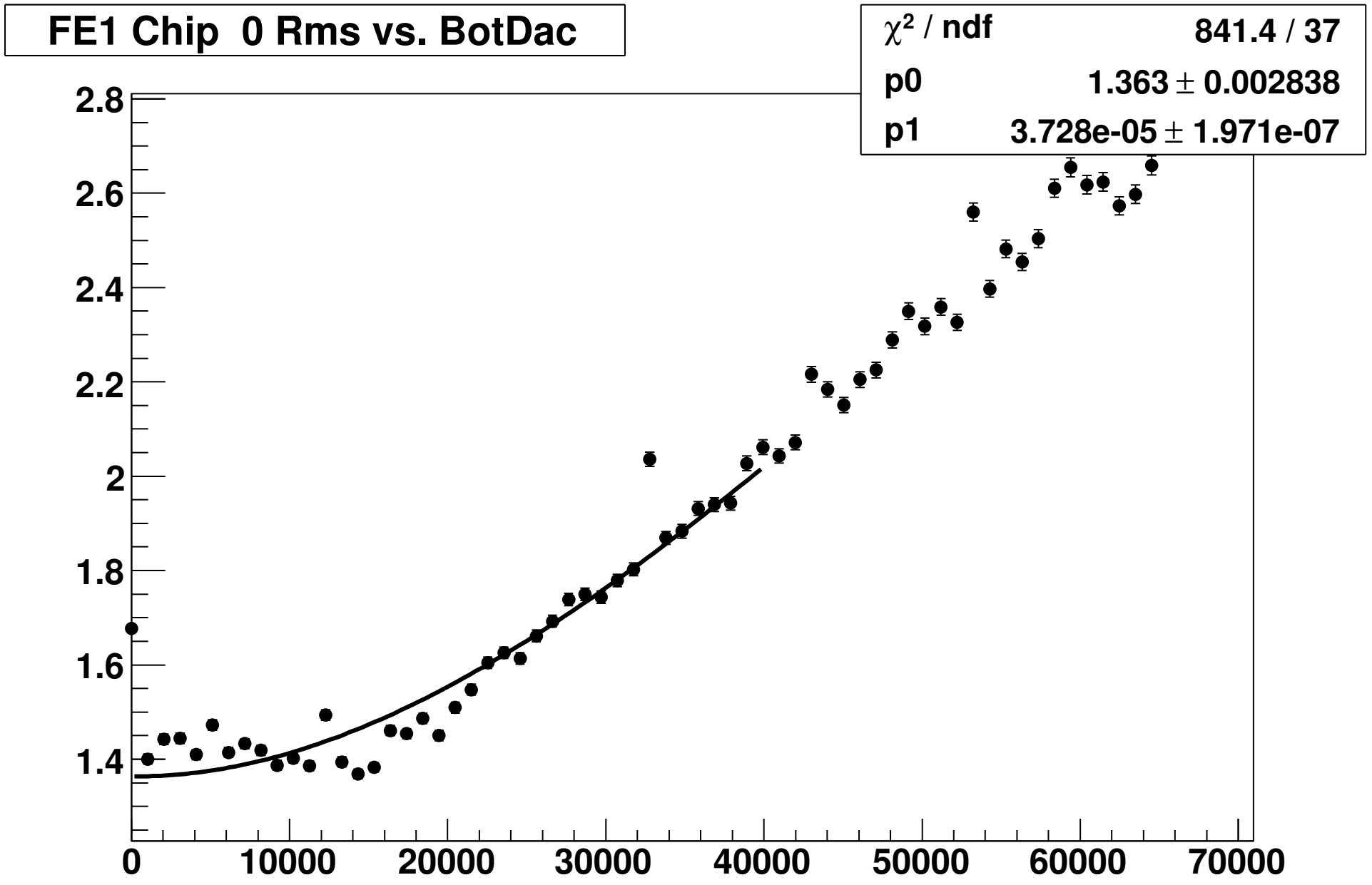

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 1.393e+04 / 37
p0 -80.86 ± 0.005352
p1 -4.185e-05 ± 2.273e-07
-79.5
-80
-80.5
-81
-81.5
-82
-82.5
0
10000
20000
30000
40000
50000
60000
70000

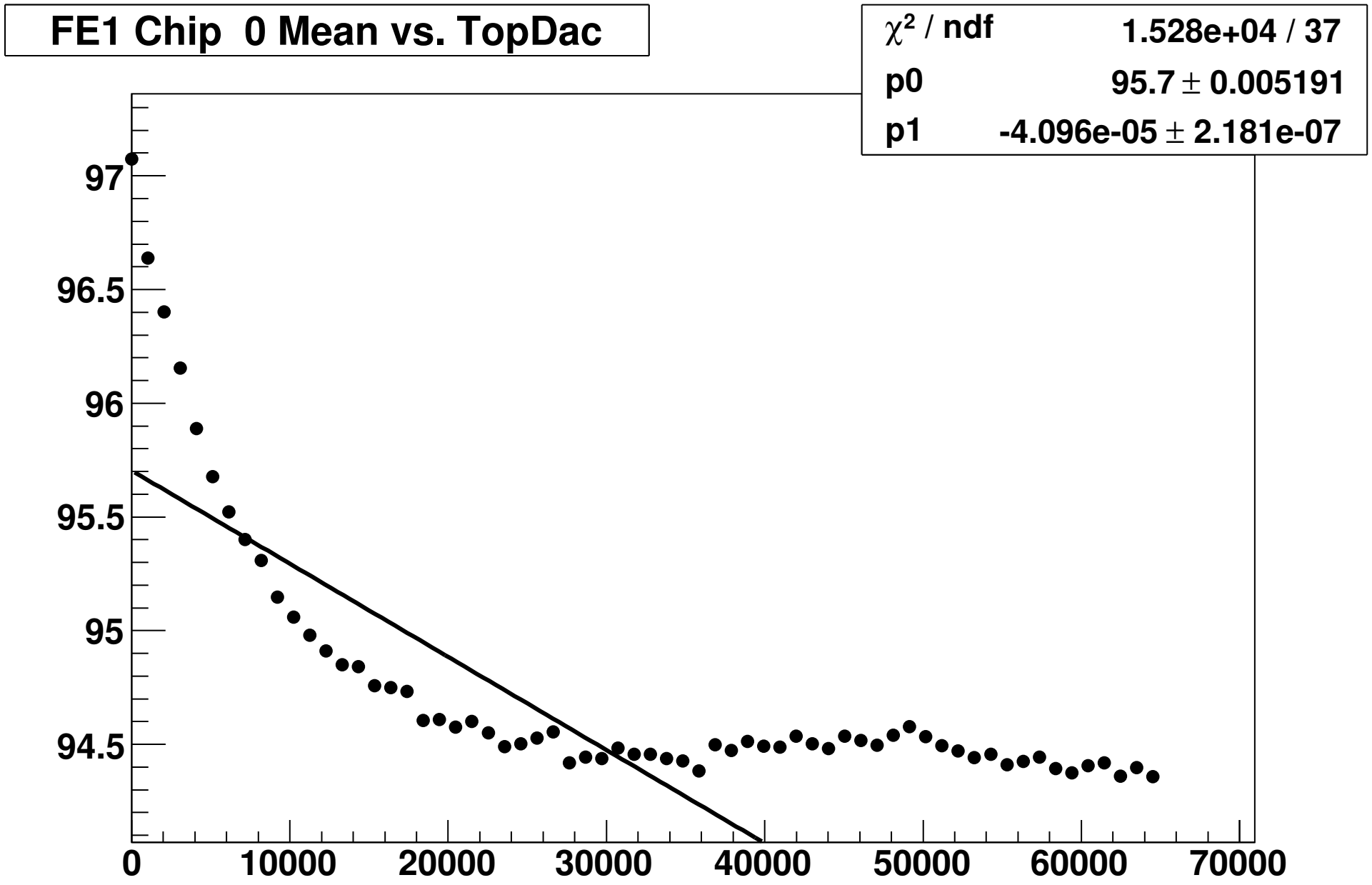

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 91.02 / 37
p0 1.535 ± 0.001848
p1 3.105e-15 ± 1.739e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000

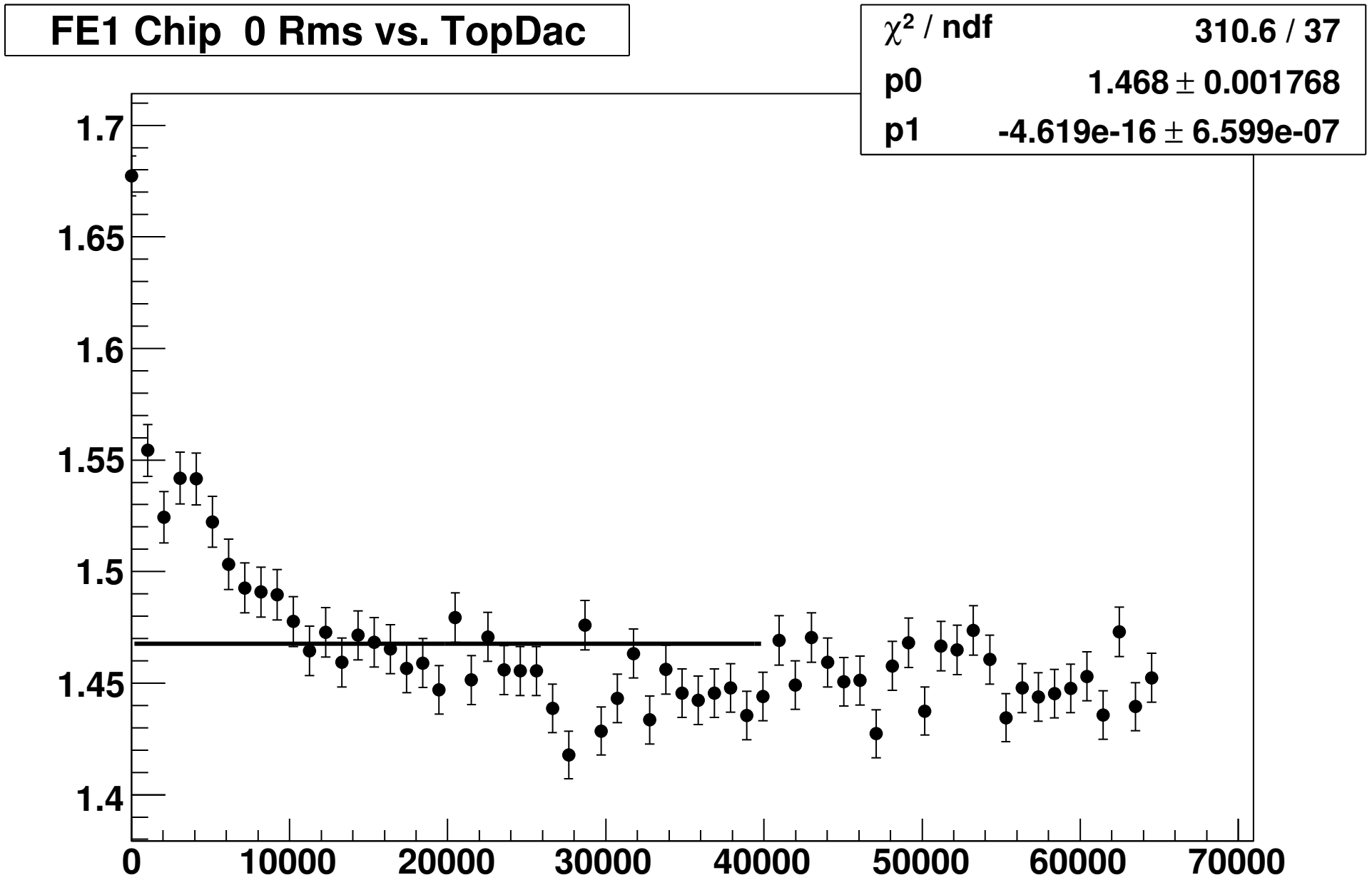

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 6.985e+04 / 37
p0 -81.17 ± 0.005392
p1 0.4511 ± 2.542e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

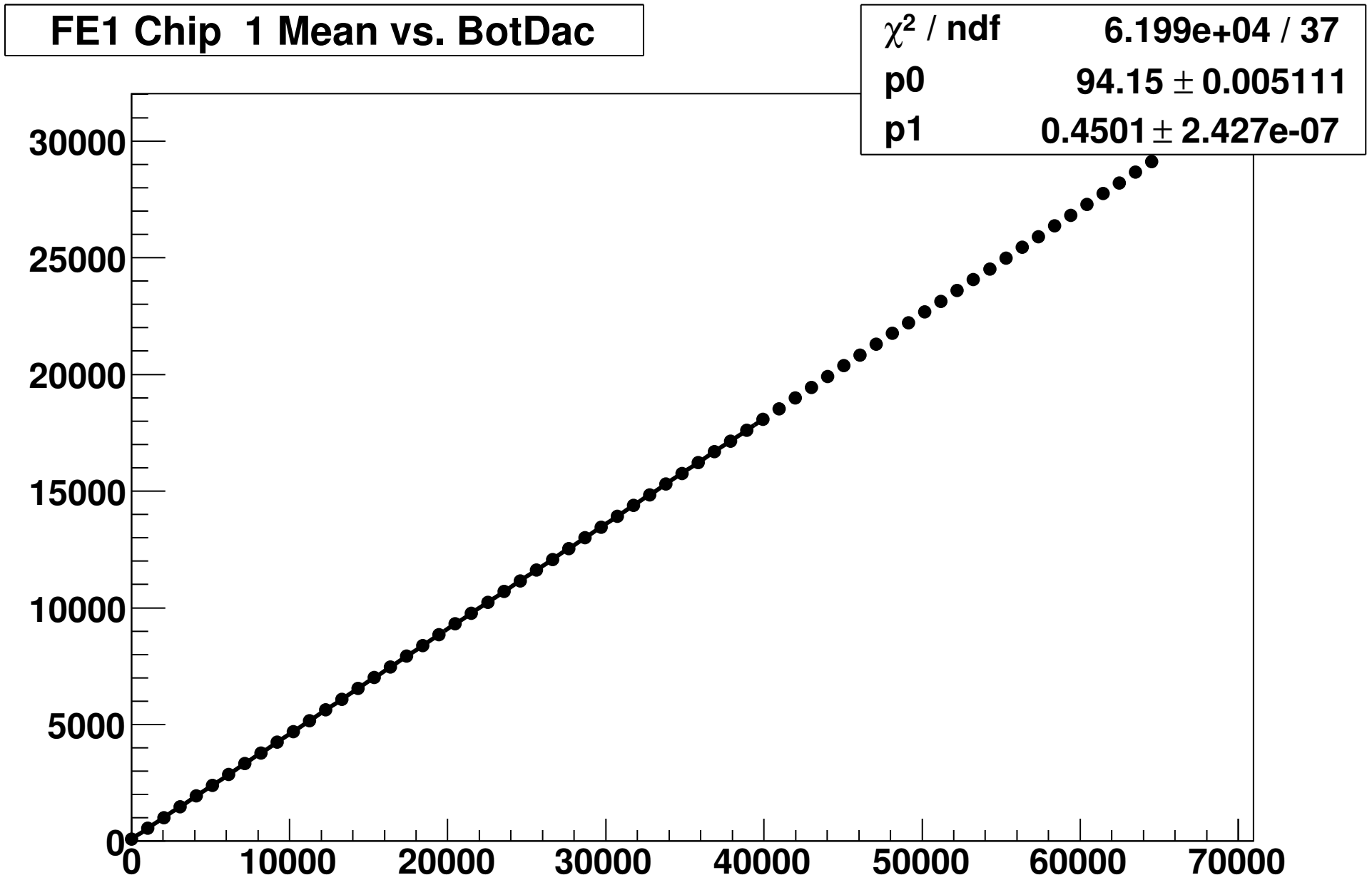

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 876.6 / 37
p0 1.435 ± 0.002955
p1 3.682e-05 ± 2.122e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

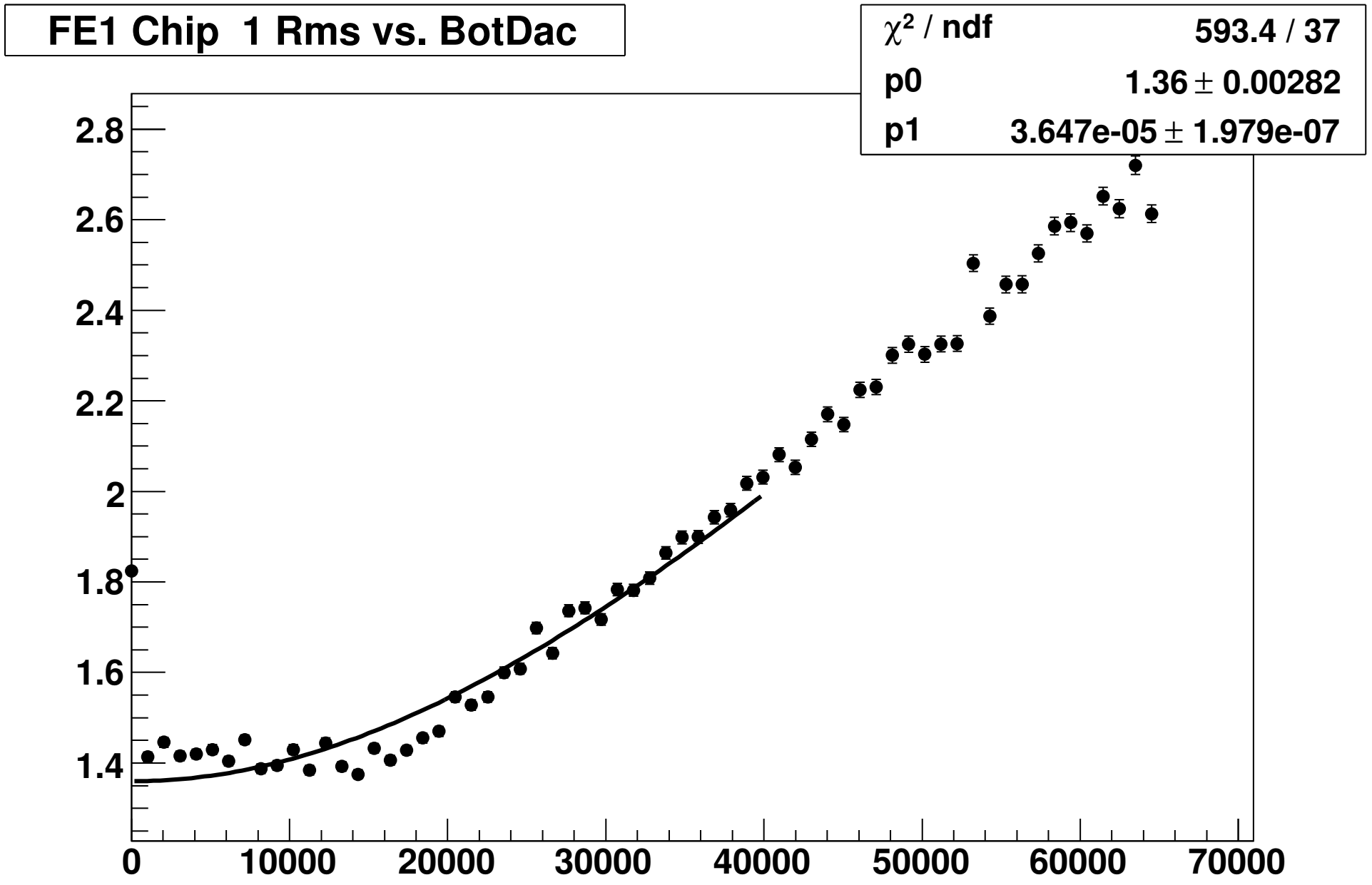

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 6.18e+04 / 37
p0 97.96 ± 0.005133
p1 0.4501 ± 2.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

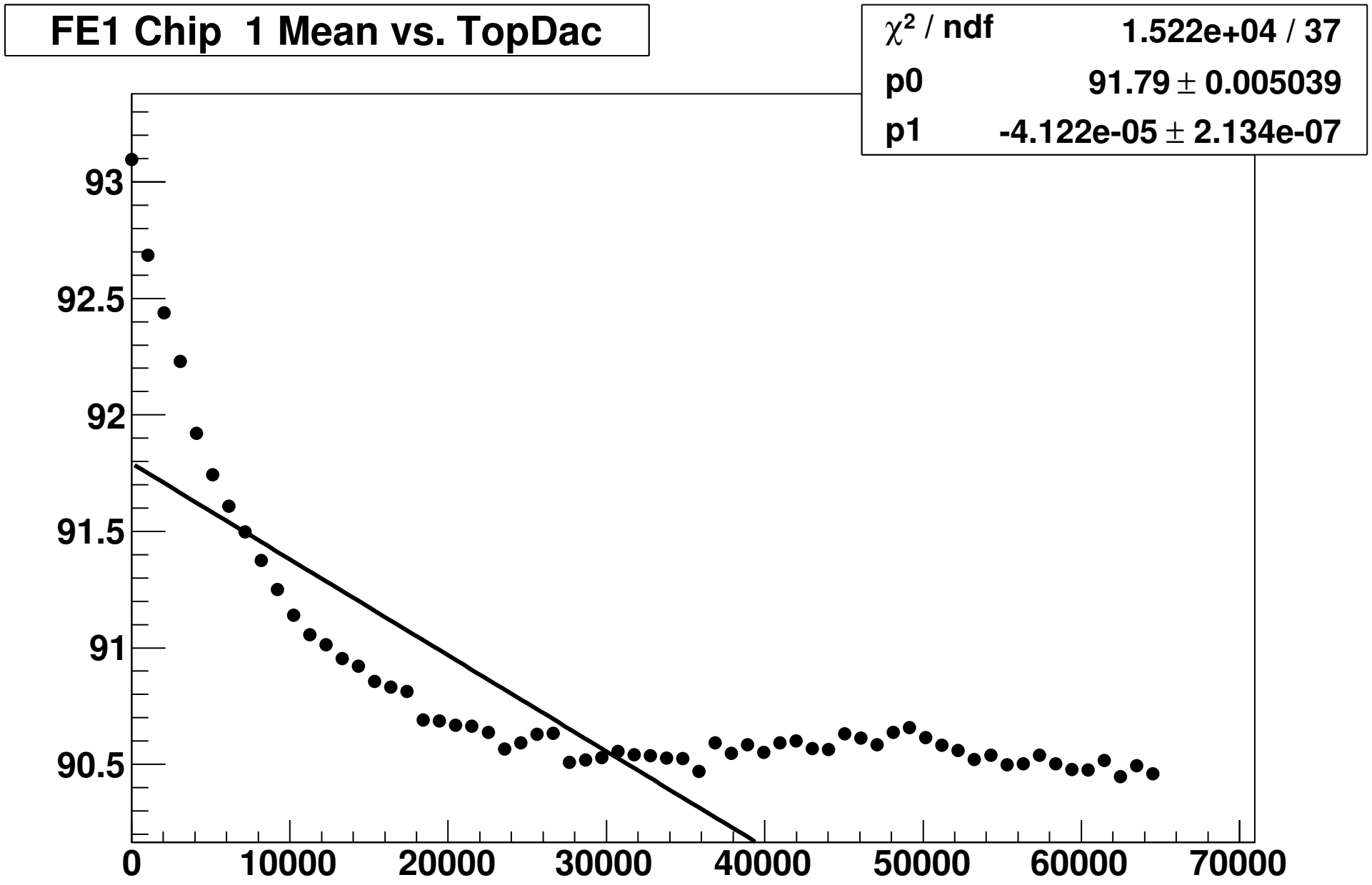

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 841.4 / 37
p0 1.363 ± 0.002838
p1 3.728e-05 ± 1.971e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

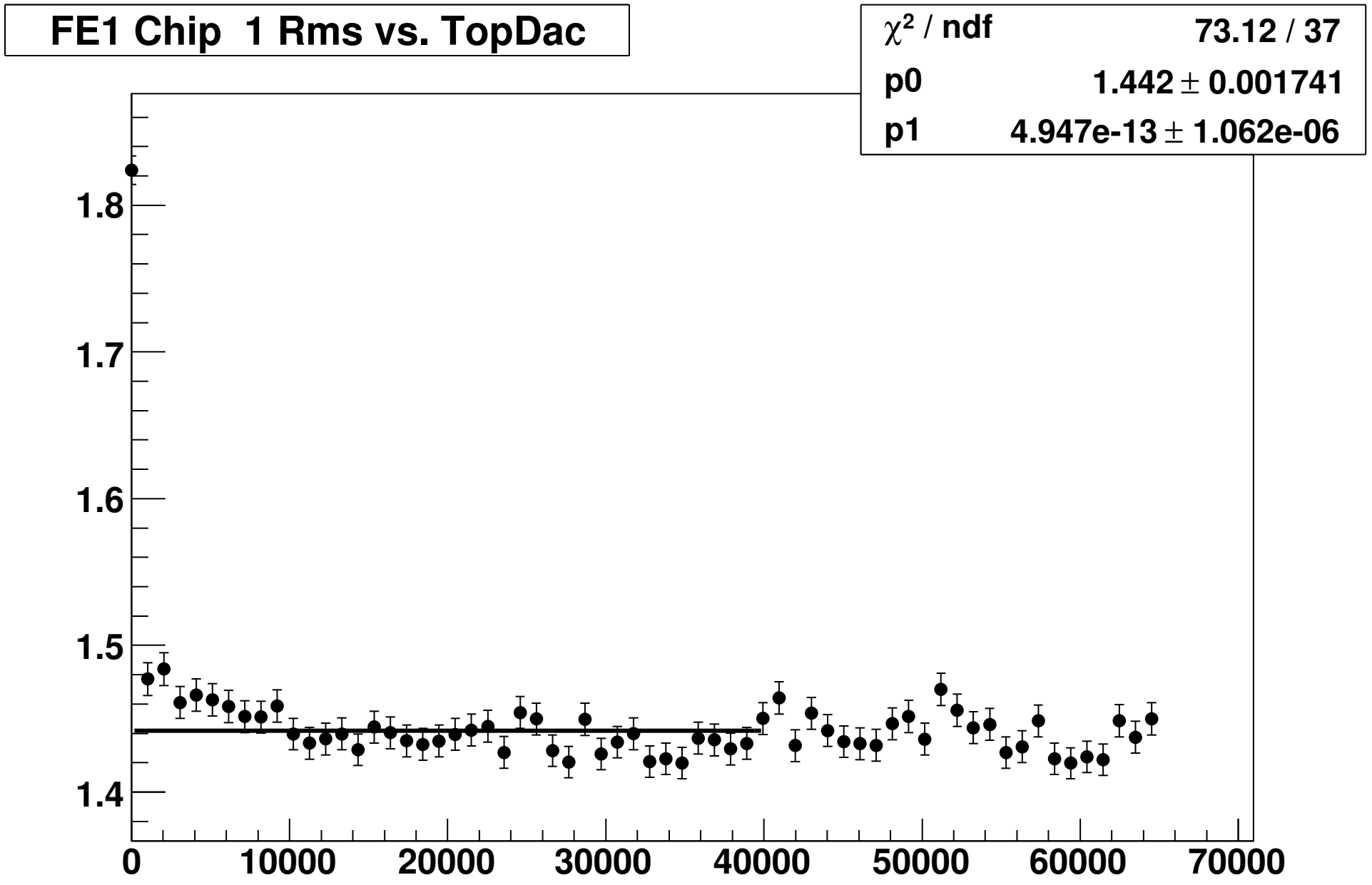

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 1.528e+04 / 37
p0 95.7 ± 0.005191
p1 -4.096e-05 ± 2.181e-07
97
96.5
96
95.5
95
94.5
0
10000
20000
30000
40000
50000
60000
70000

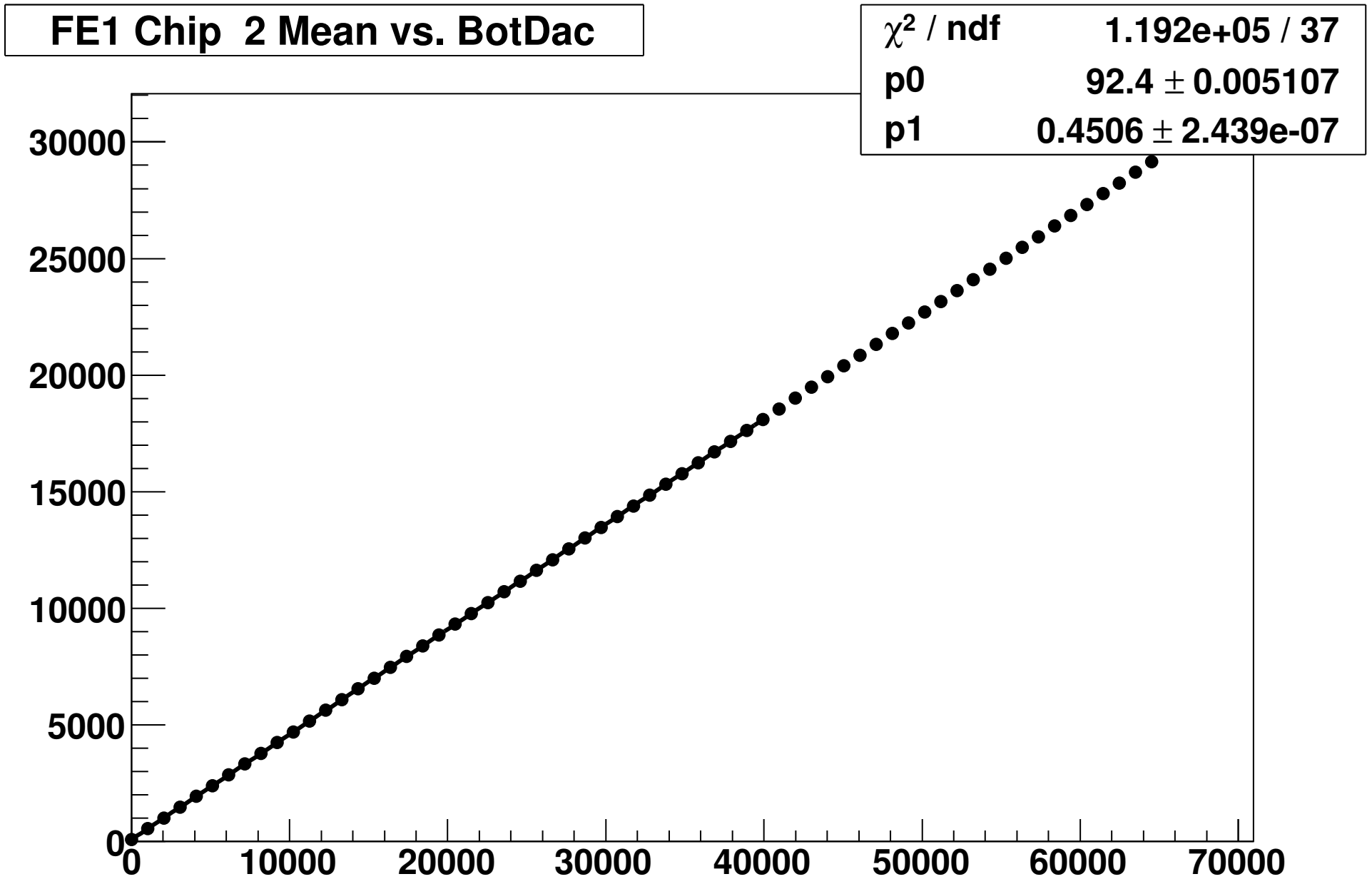

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 310.6 / 37
p0 1.468 ± 0.001768
p1 -4.619e-16 ± 6.599e-07
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

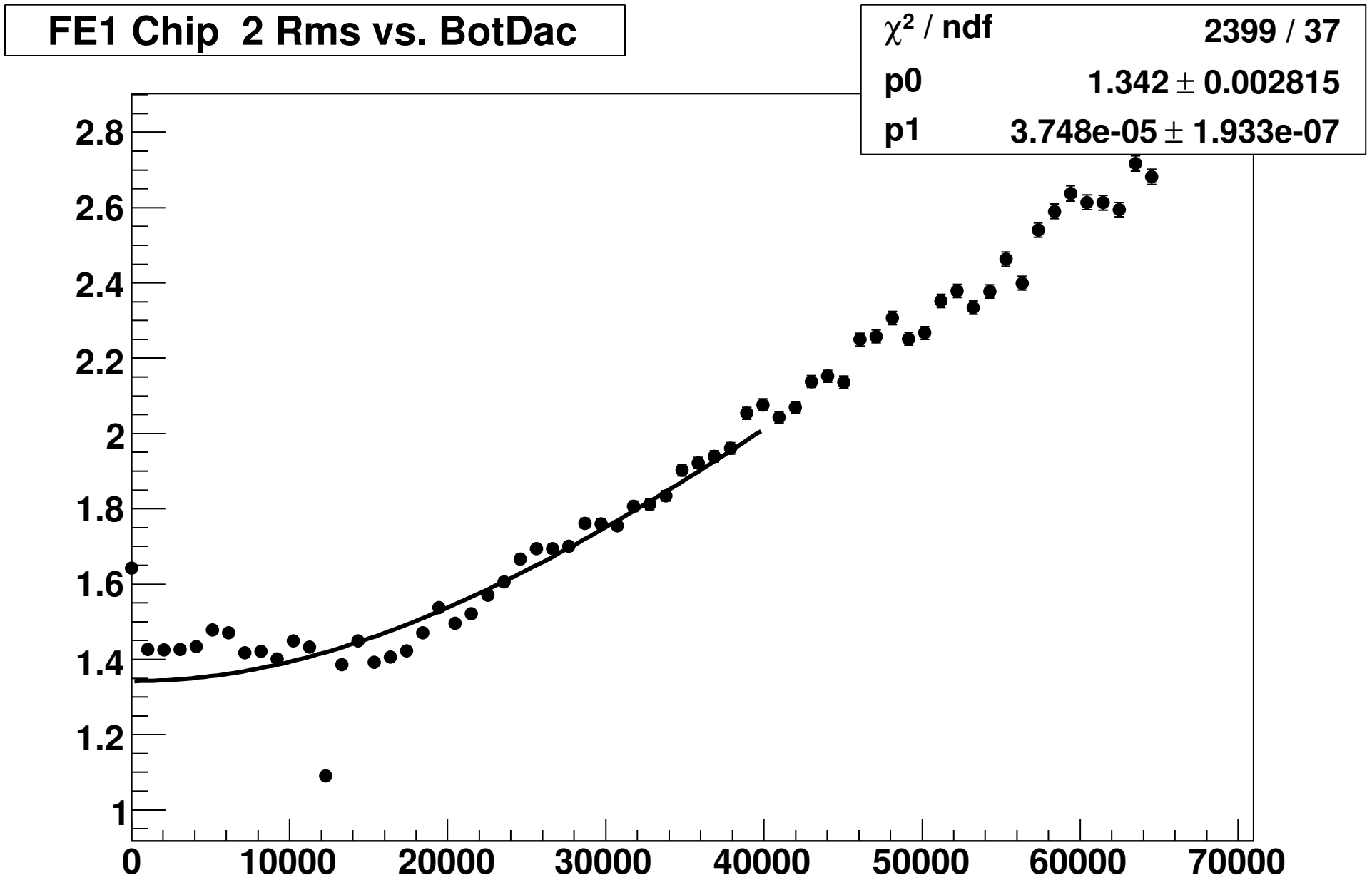

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 6.199e+04 / 37
p0 94.15 ± 0.005111
p1 0.4501 ± 2.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

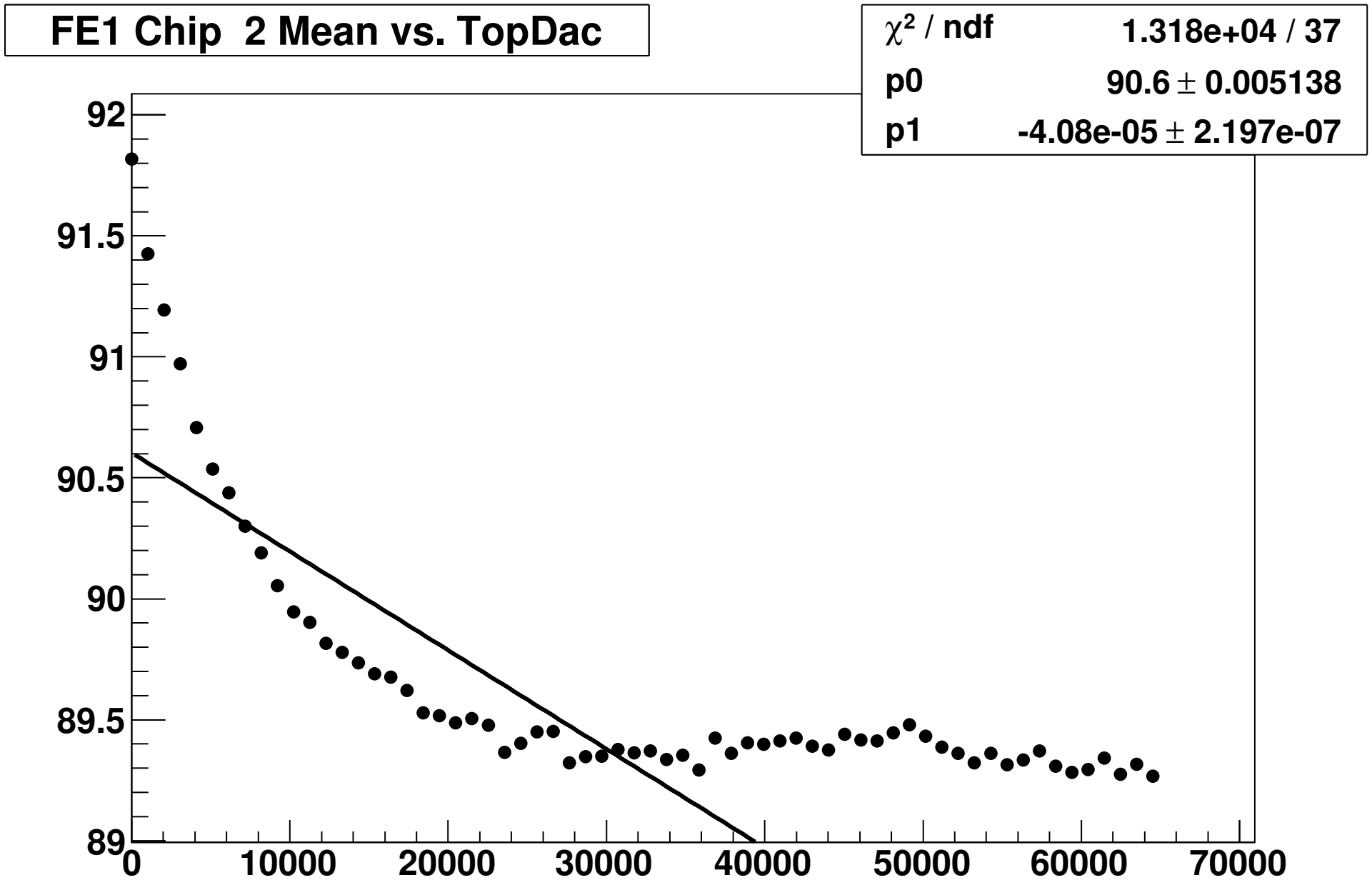

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 593.4 / 37
p0 1.36 ± 0.00282
p1 3.647e-05 ± 1.979e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

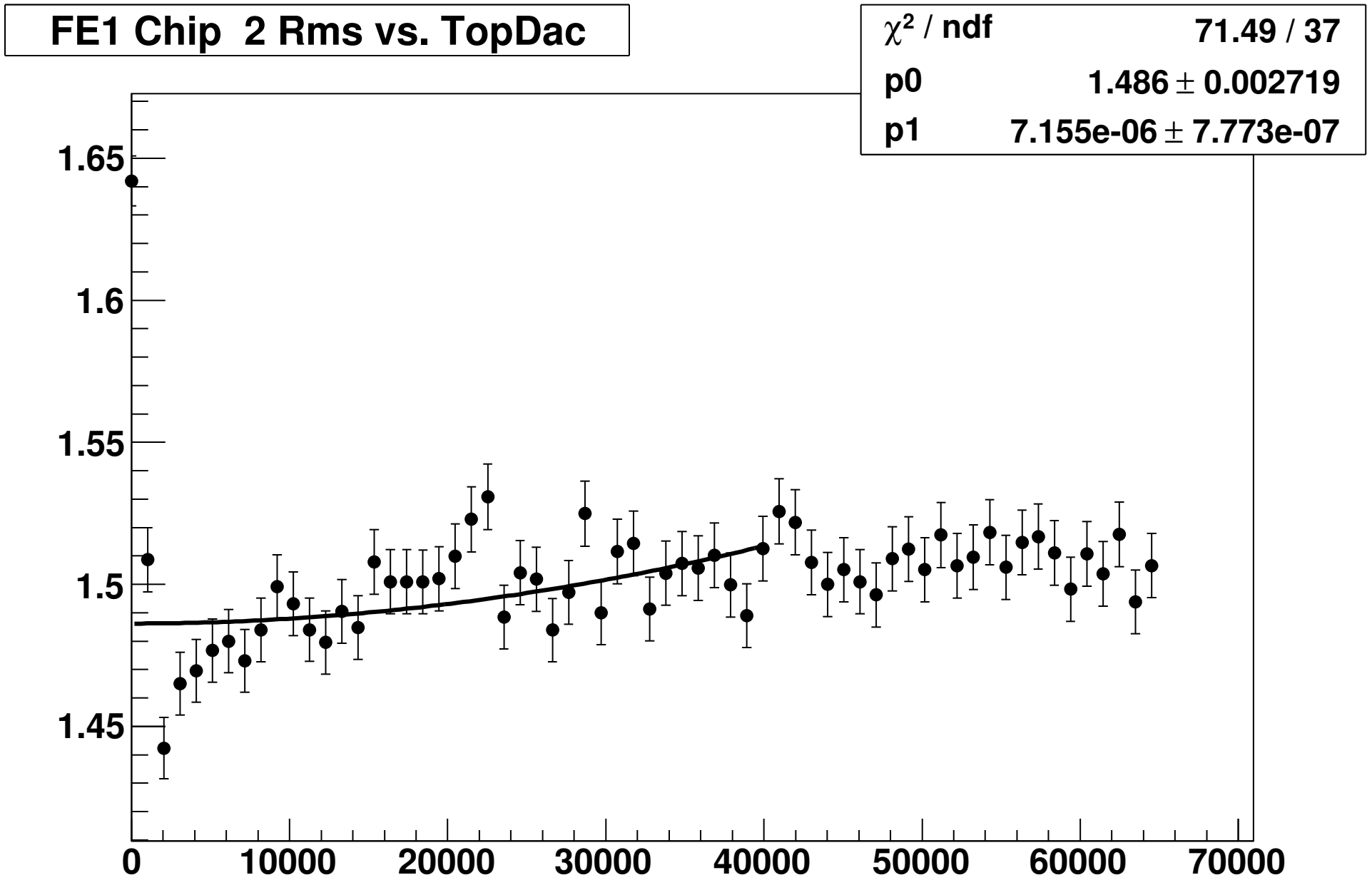

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 1.522e+04 / 37
p0 91.79 ± 0.005039
p1 -4.122e-05 ± 2.134e-07
93
92.5
92
91.5
91
90.5
0
10000
20000
30000
40000
50000
60000
70000

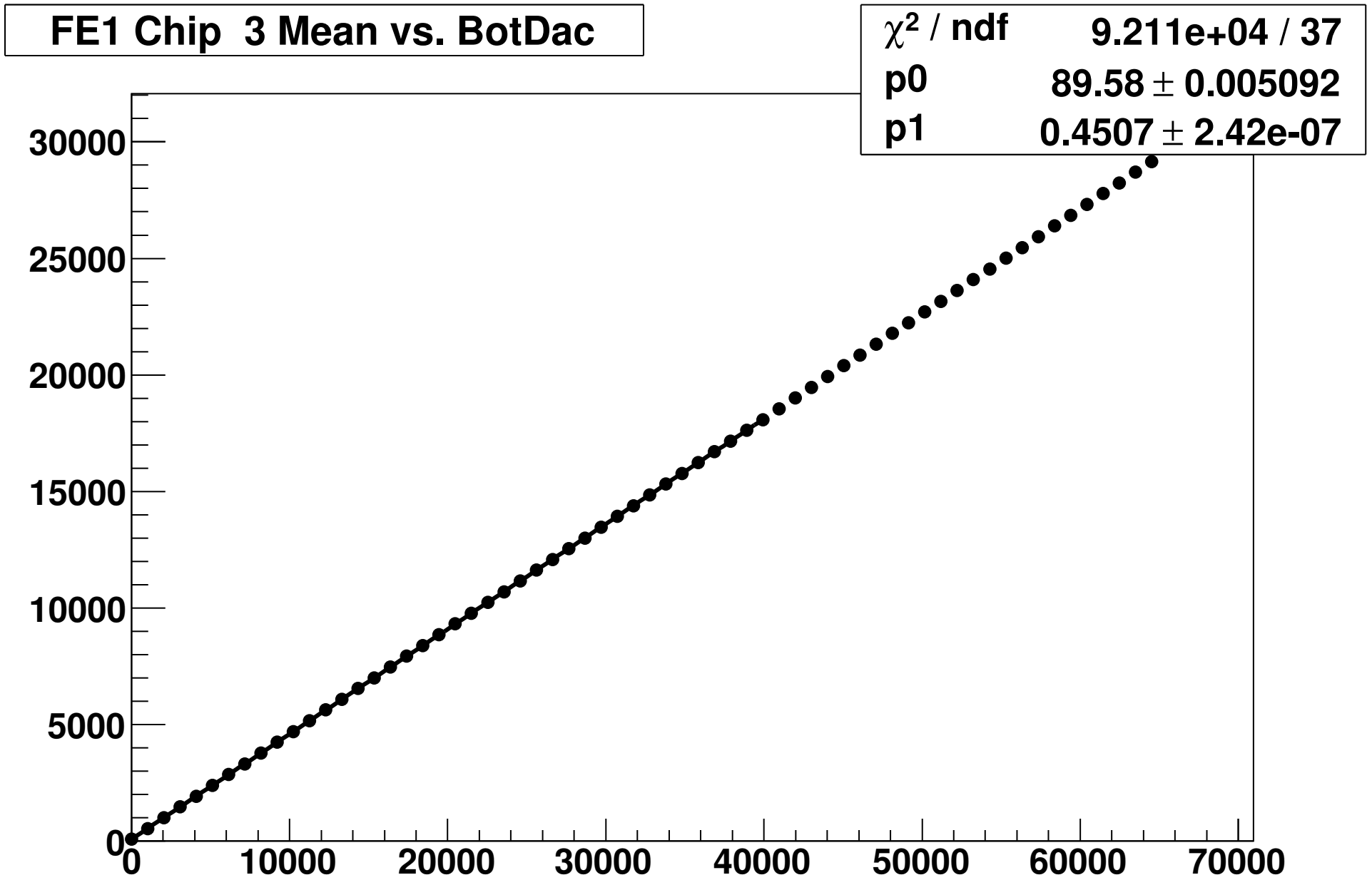

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 73.12 / 37
p0 1.442 ± 0.001741
p1 4.947e-13 ± 1.062e-06
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000
70000

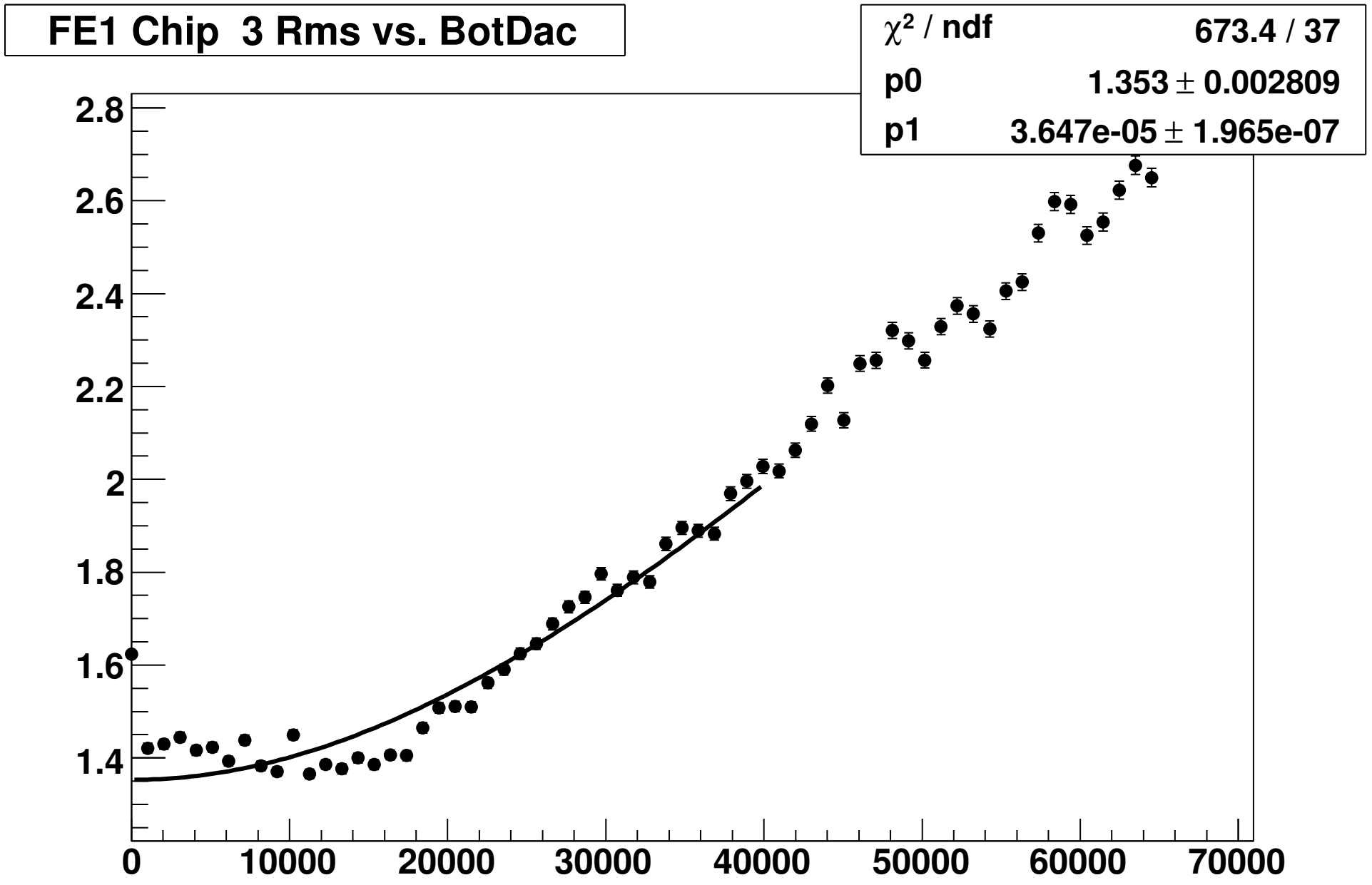

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.192e+05 / 37
p0 92.4 ± 0.005107
p1 0.4506 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

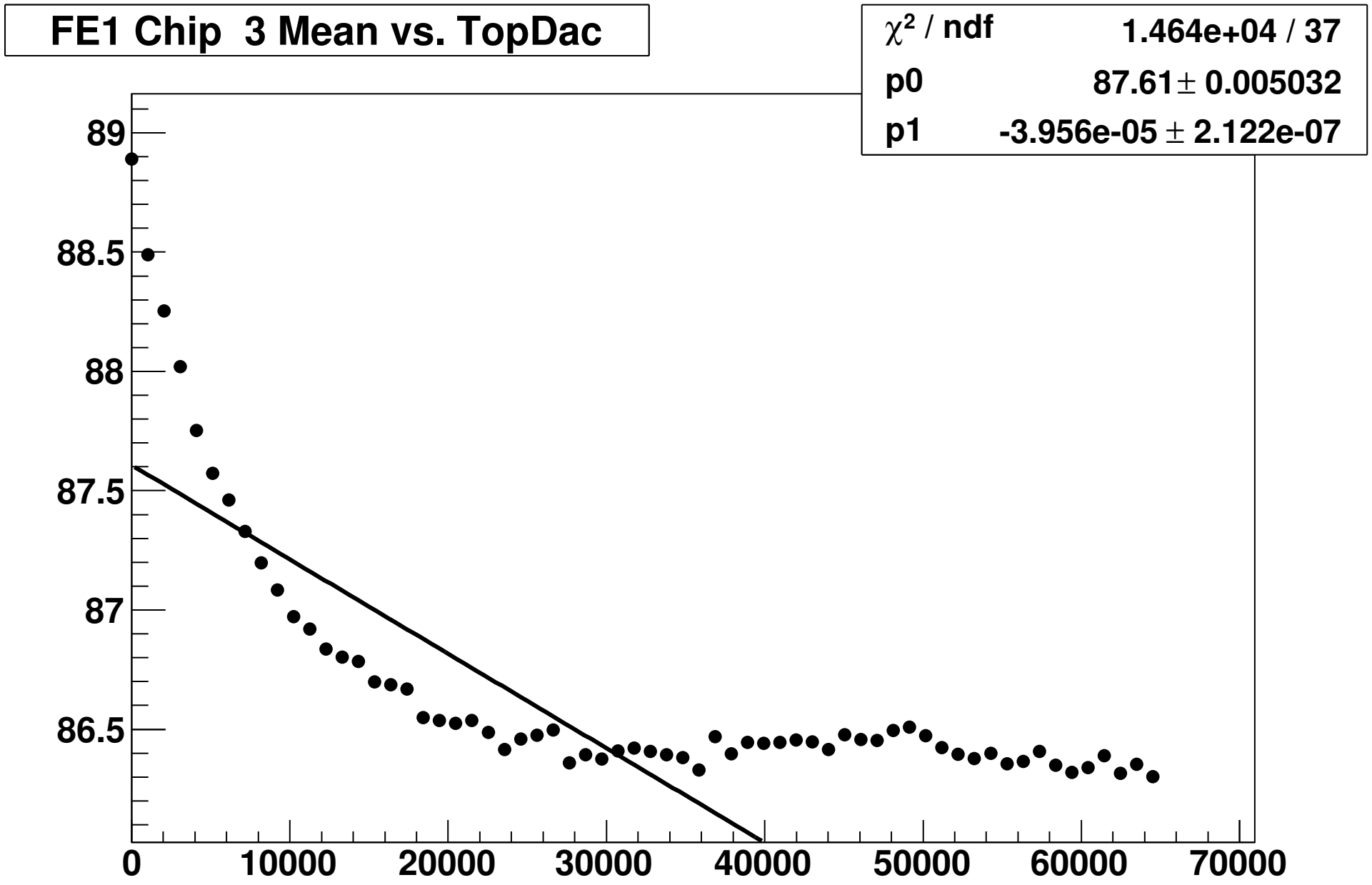

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 2399 / 37
p0 1.342 ± 0.002815
p1 3.748e-05 ± 1.933e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000

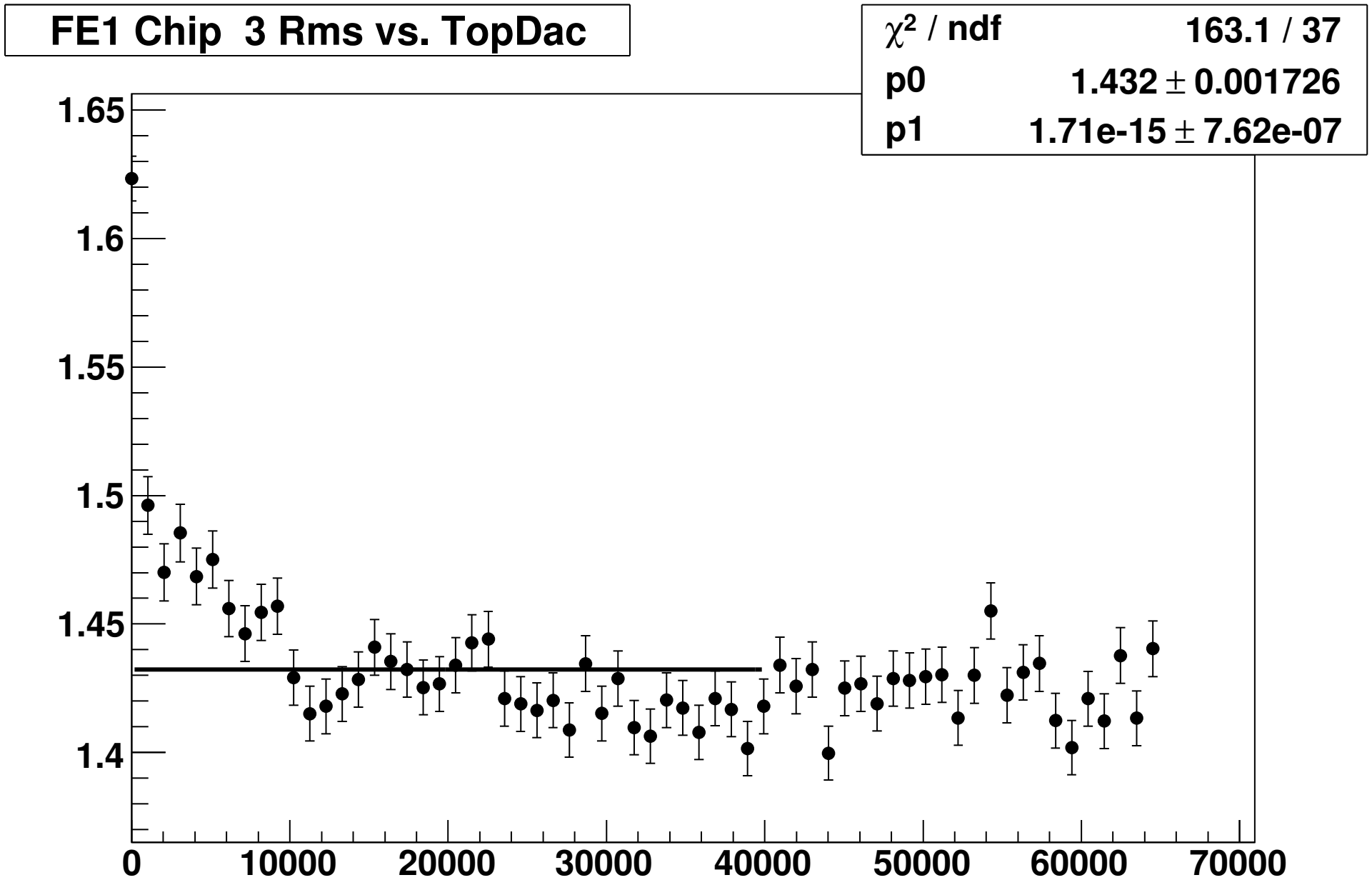

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 1.318e+04 / 37
p0 90.6 ± 0.005138
p1 -4.08e-05 ± 2.197e-07
92
91.5
91
90.5
90
89.5
89
0
10000
20000
30000
40000
50000
60000
70000

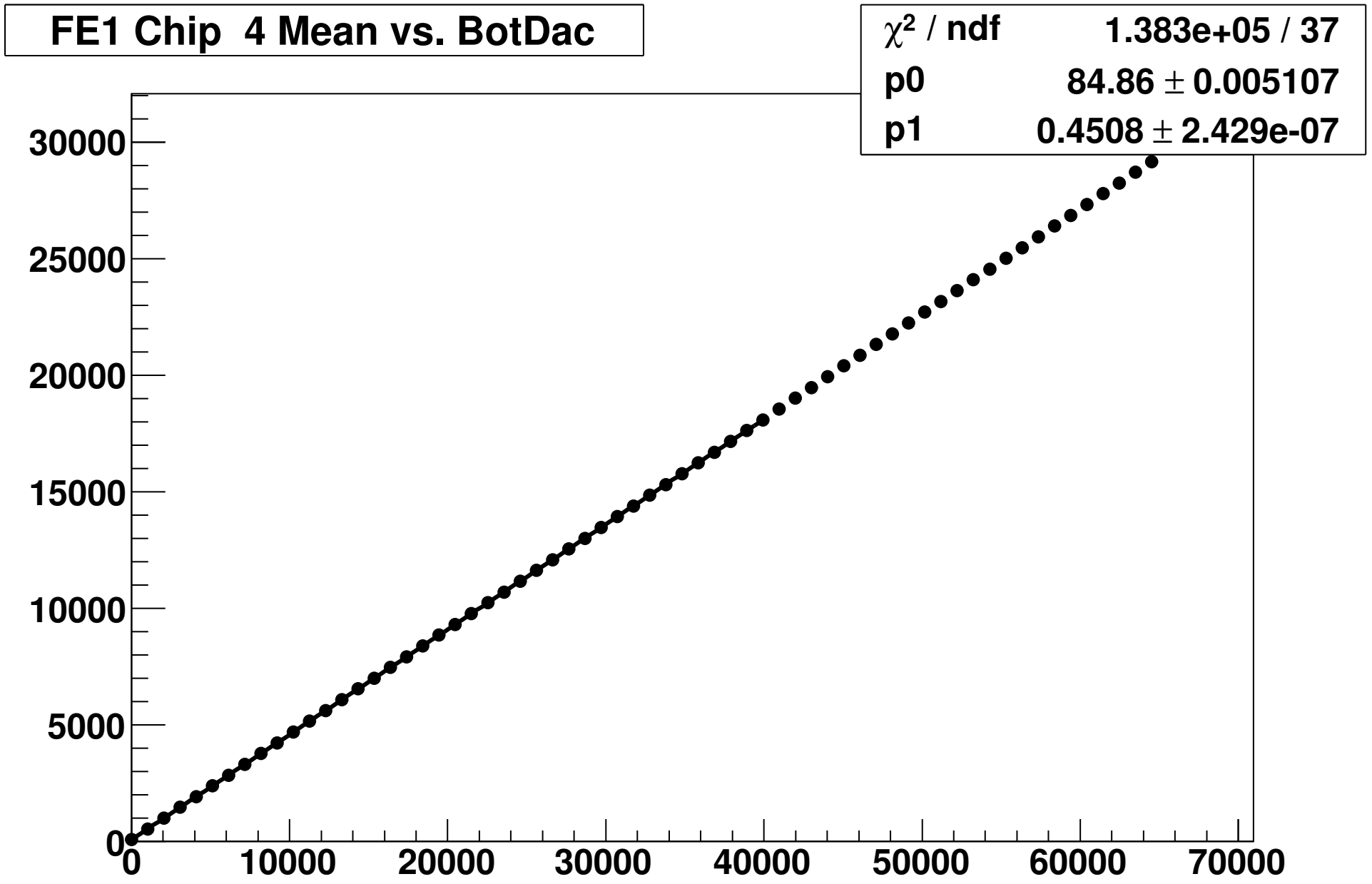

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 71.49 / 37
p0 1.486 ± 0.002719
p1 7.155e-06 ± 7.773e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

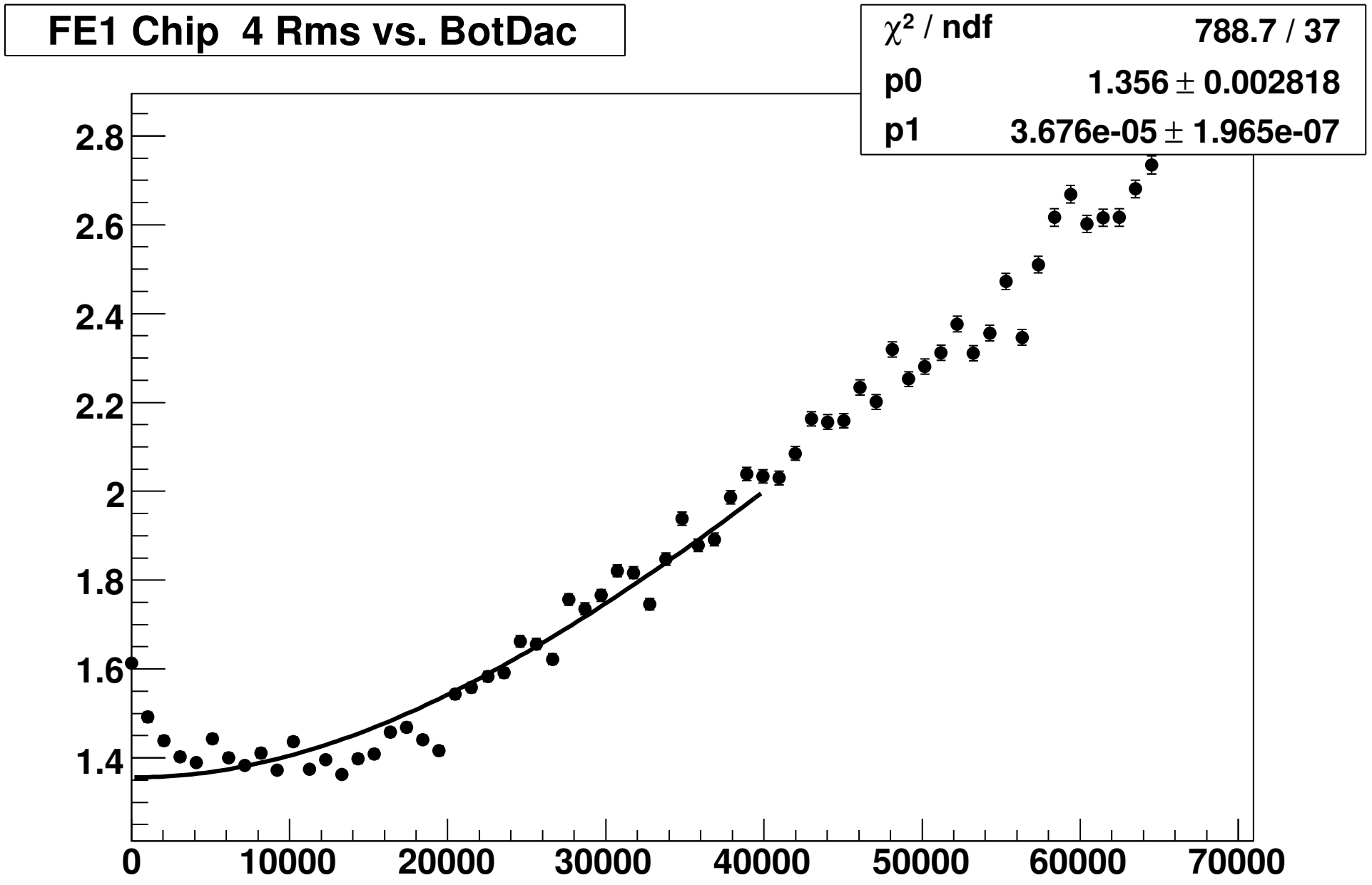

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 9.211e+04 / 37
p0 89.58 ± 0.005092
p1 0.4507 ± 2.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

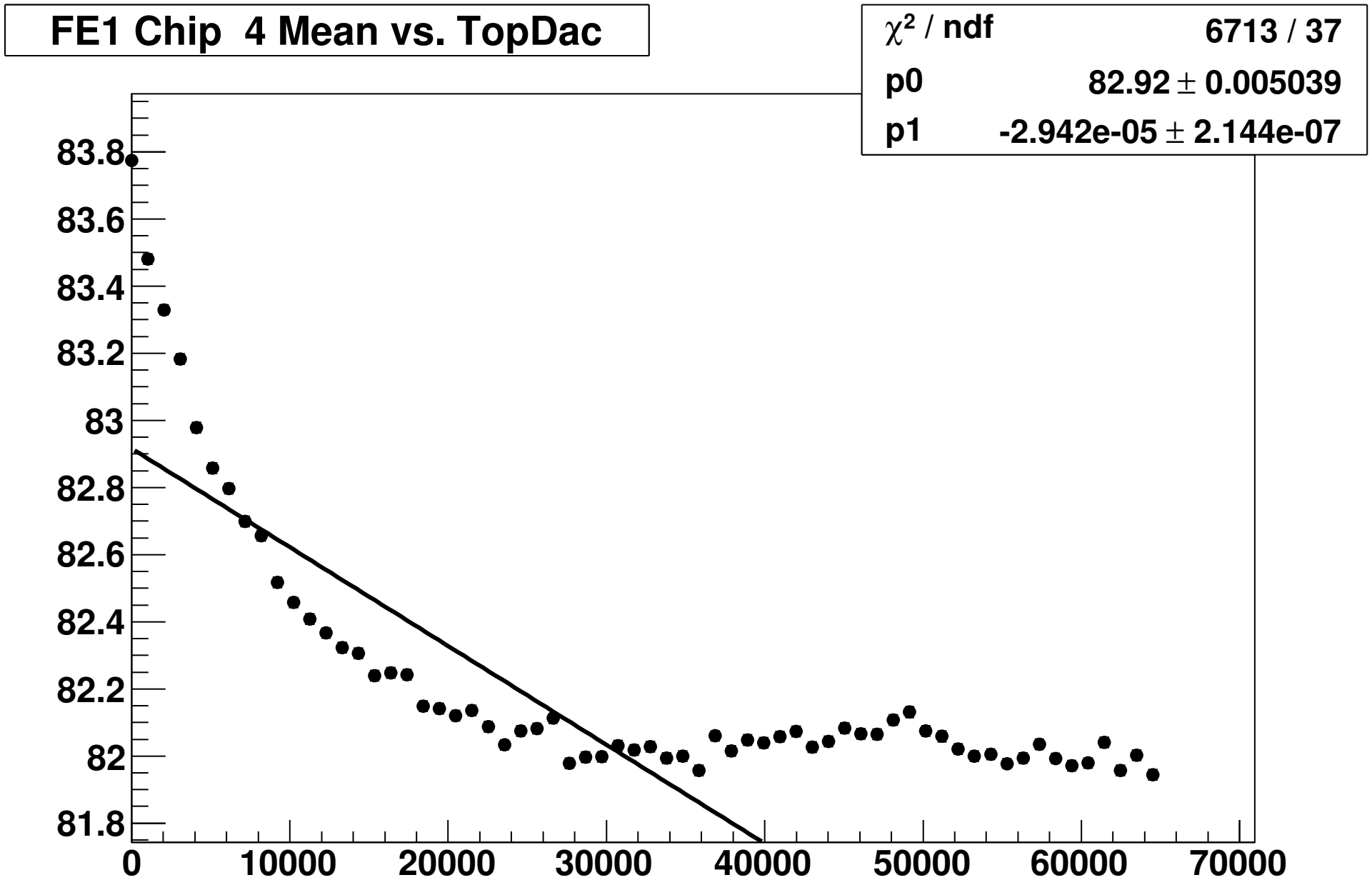

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 673.4 / 37
p0 1.353 ± 0.002809
p1 3.647e-05 ± 1.965e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

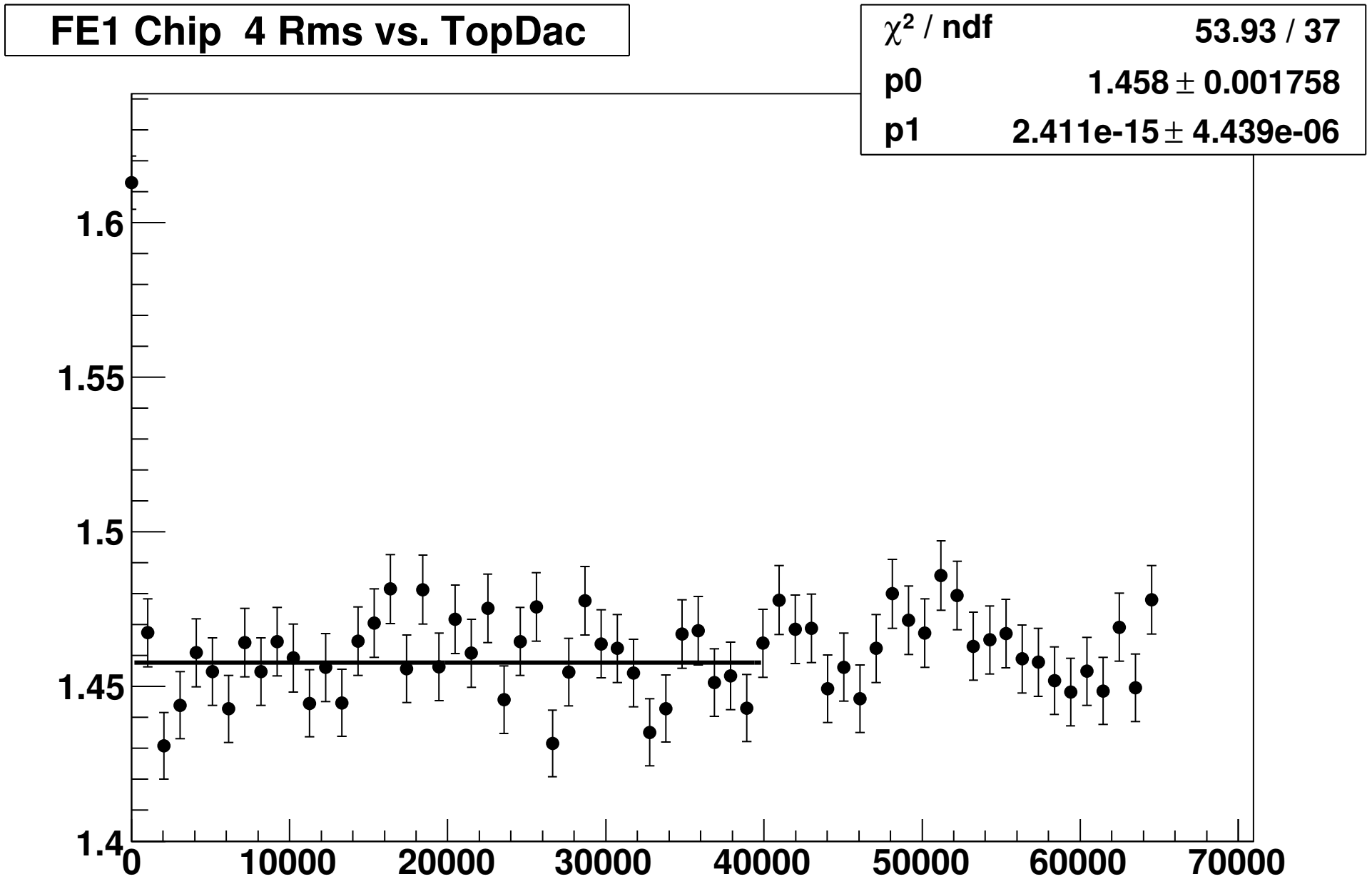

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 1.464e+04 / 37
p0 87.61 ± 0.005032
p1 -3.956e-05 ± 2.122e-07
89
88.5
88
87.5
87
86.5
0
10000
20000
30000
40000
50000
60000
70000

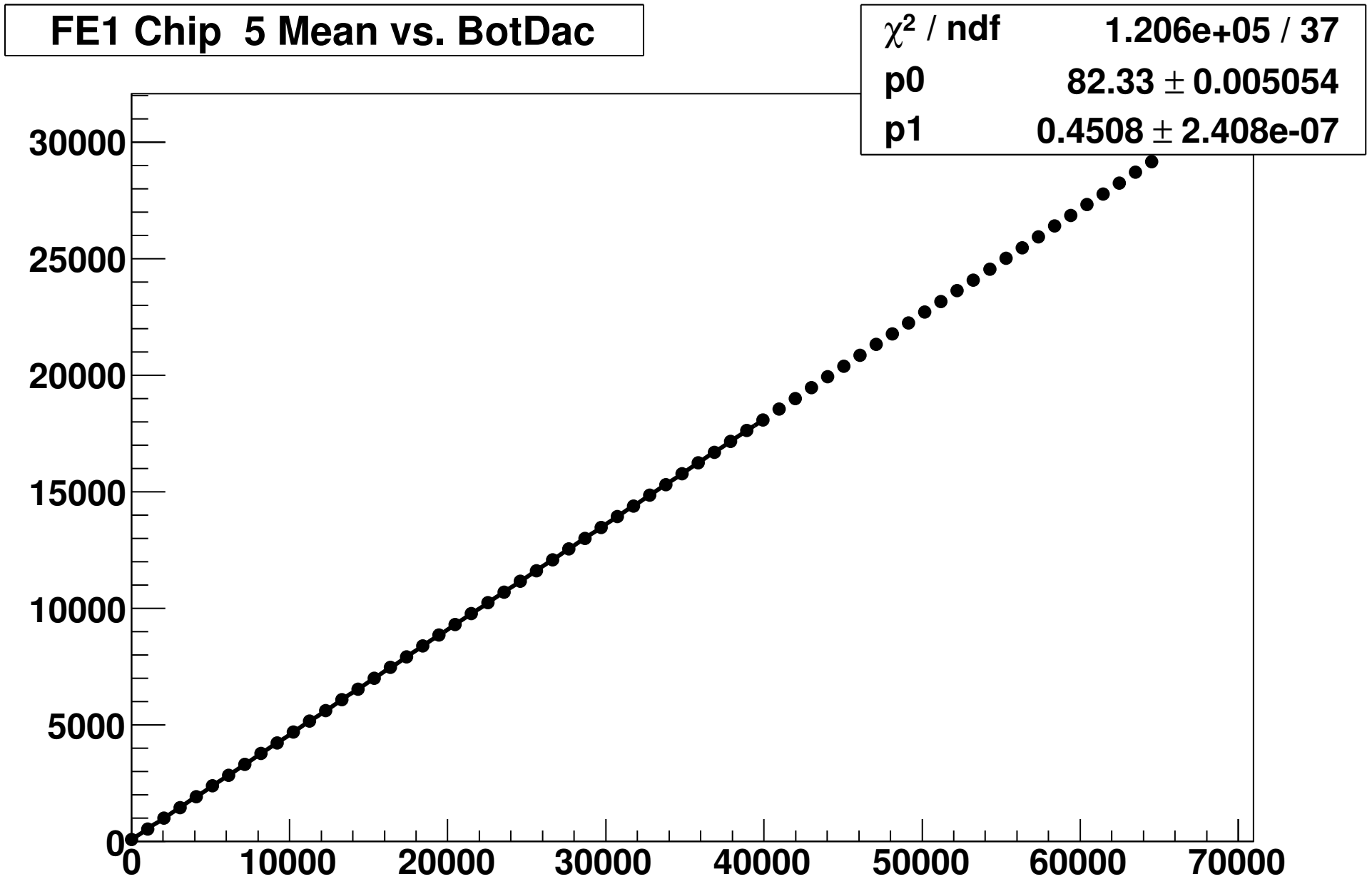

FE1 Chip 3 Rms vs. TopDac
χ² / ndf 163.1 / 37
p0 1.432 ± 0.001726
p1 1.71e-15 ± 7.62e-07
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

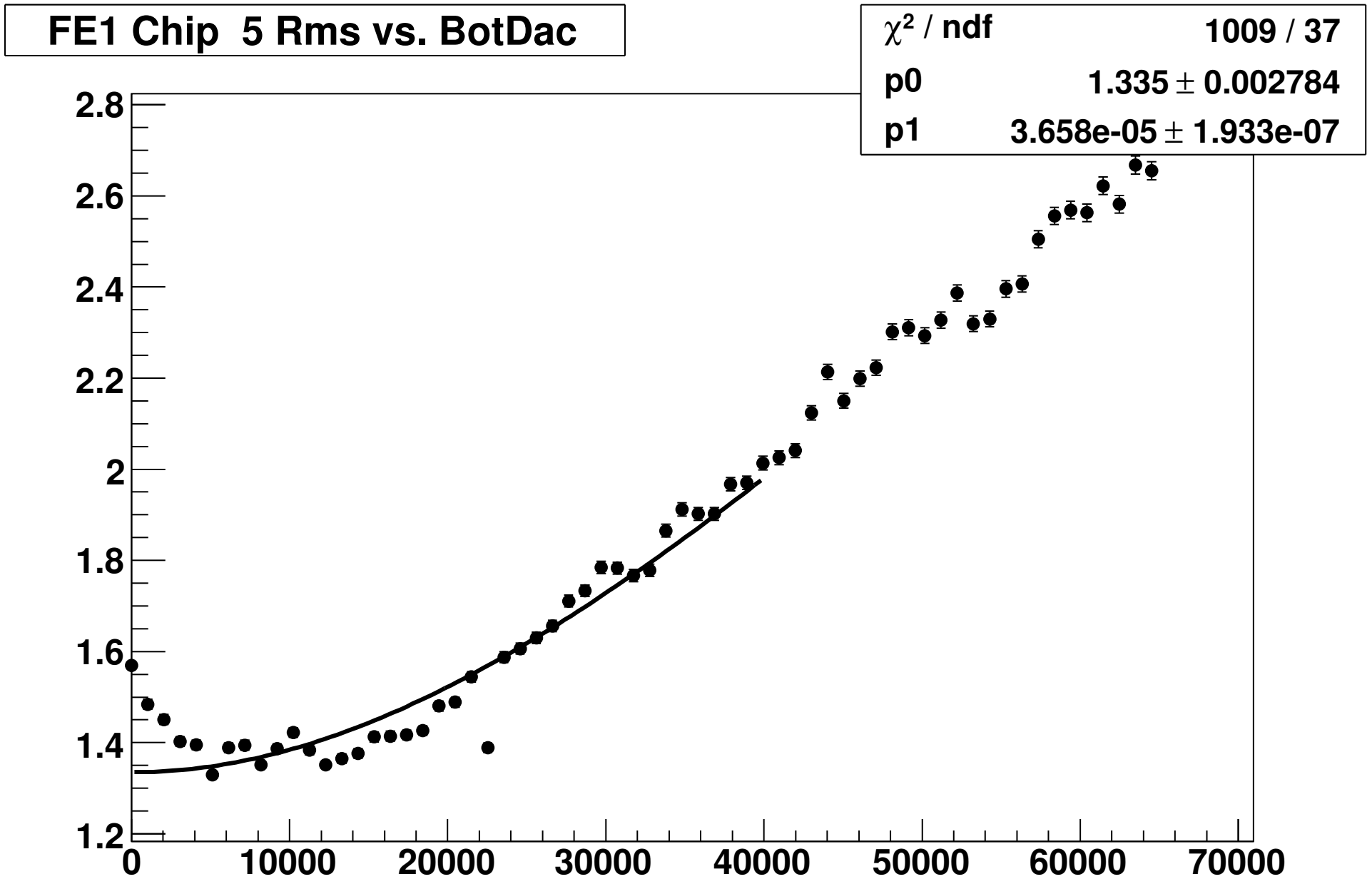

FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.383e+05 / 37
p0 84.86 ± 0.005107
p1 0.4508 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

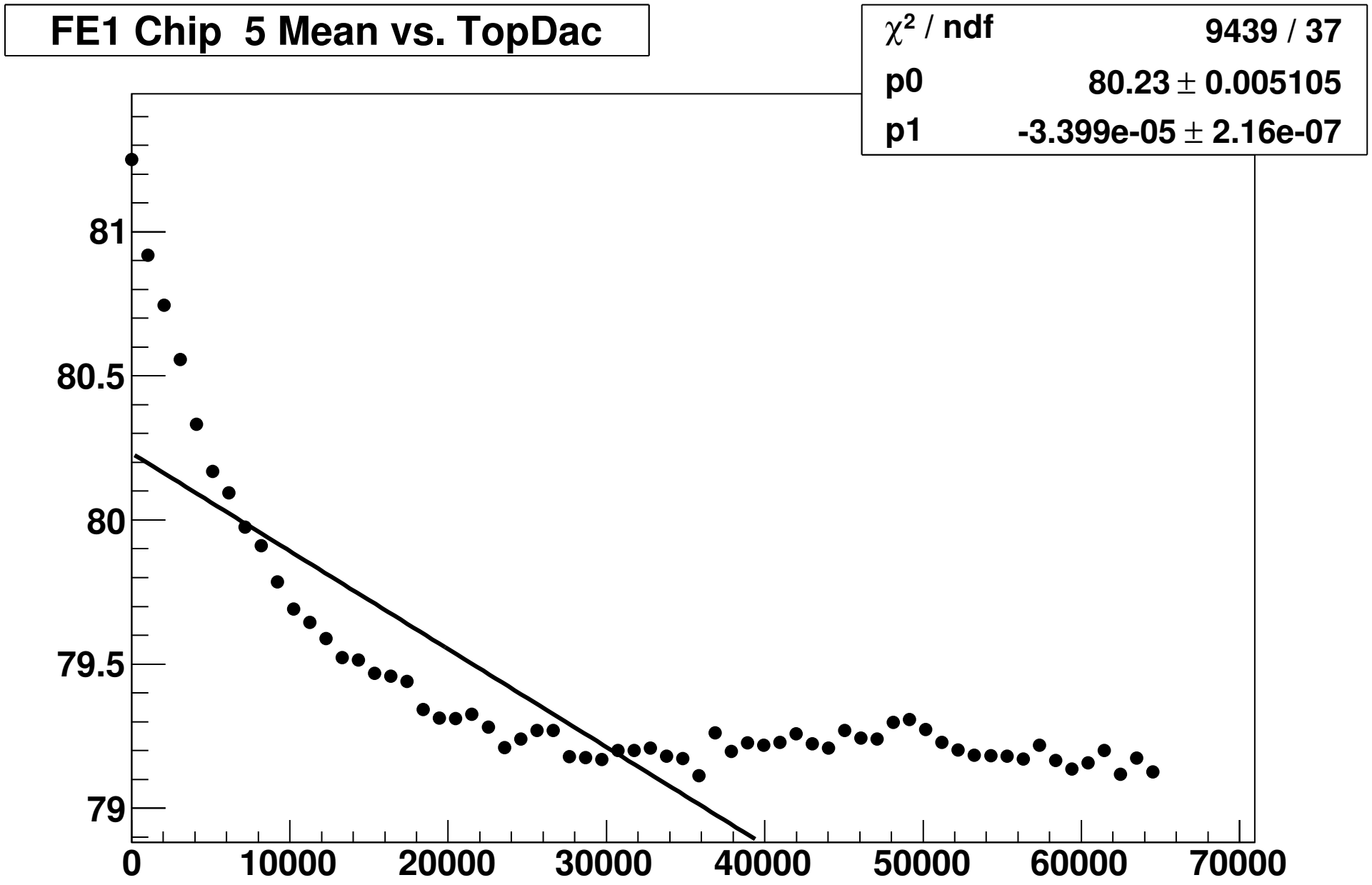

FE1 Chip 4 Rms vs. BotDac
χ² / ndf 788.7 / 37
p0 1.356 ± 0.002818
p1 3.676e-05 ± 1.965e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

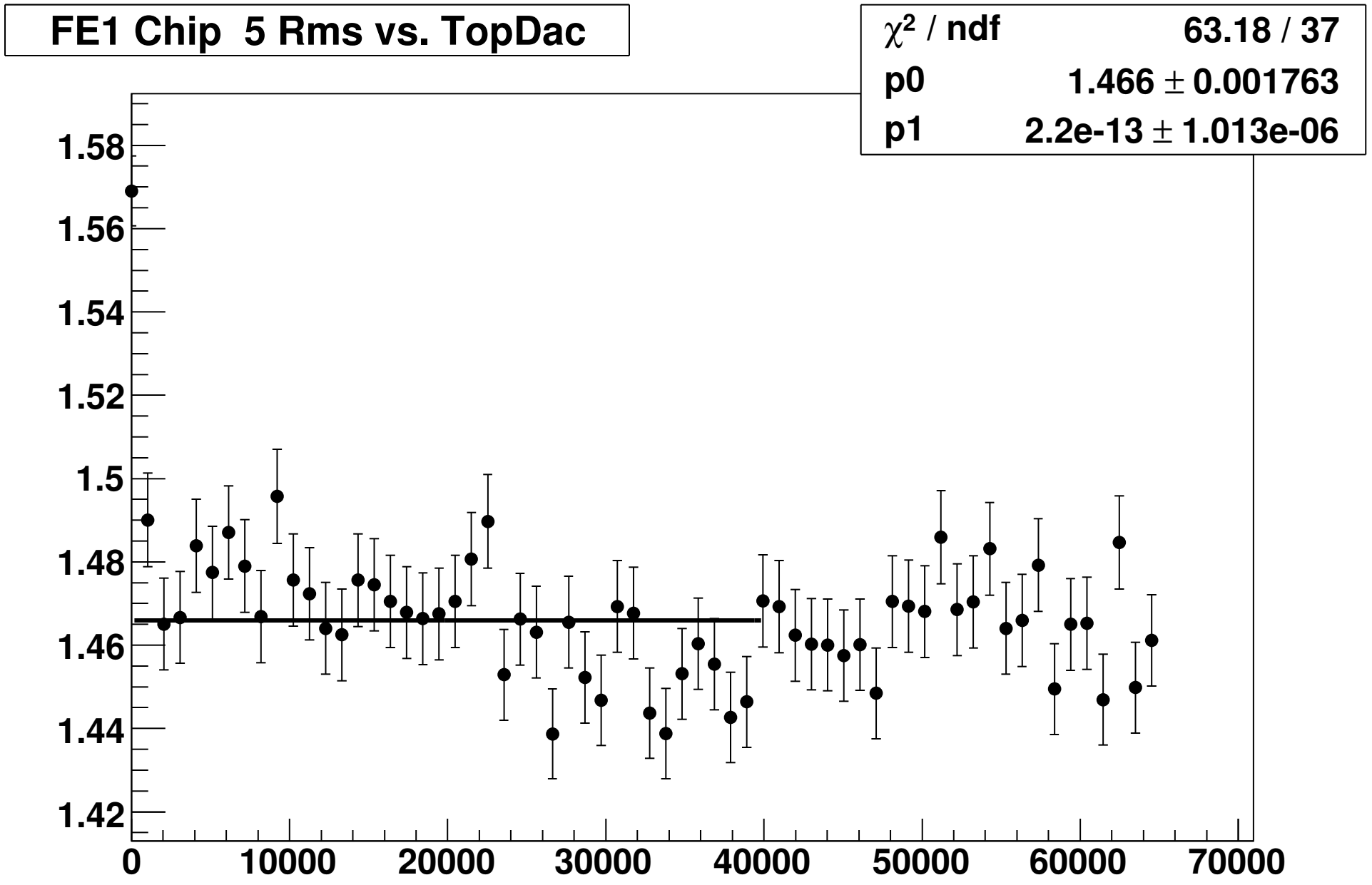

FE1 Chip 4 Mean vs. TopDac
χ² / ndf 6713 / 37
p0 82.92 ± 0.005039
p1 -2.942e-05 ± 2.144e-07
83.8
83.6
83.4
83.2
83
82.8
82.6
82.4
82.2
82
81.8
0
10000
20000
30000
40000
50000
60000
70000

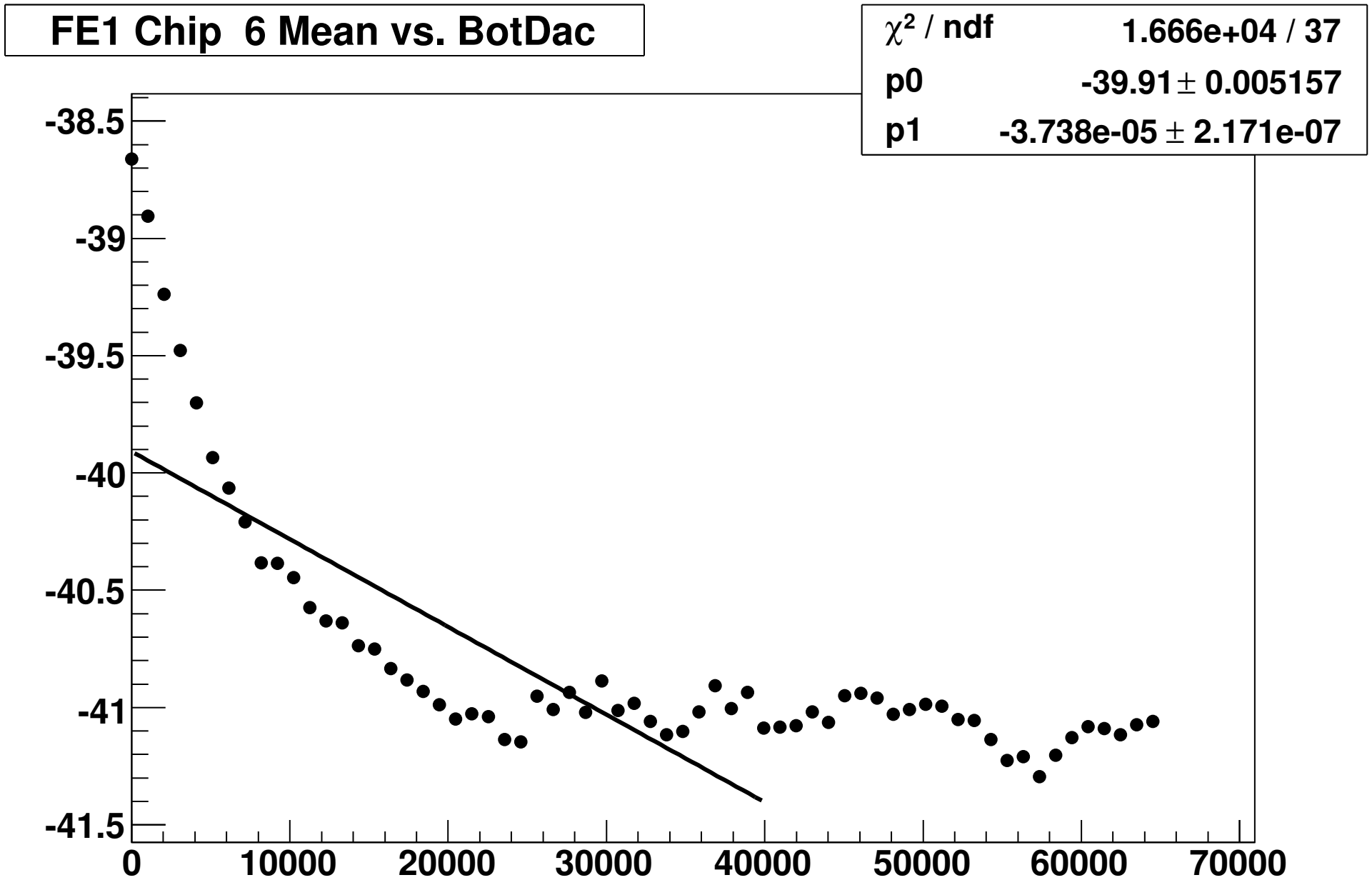

FE1 Chip 4 Rms vs. TopDac
χ² / ndf 53.93 / 37
p0 1.458 ± 0.001758
p1 2.411e-15 ± 4.439e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

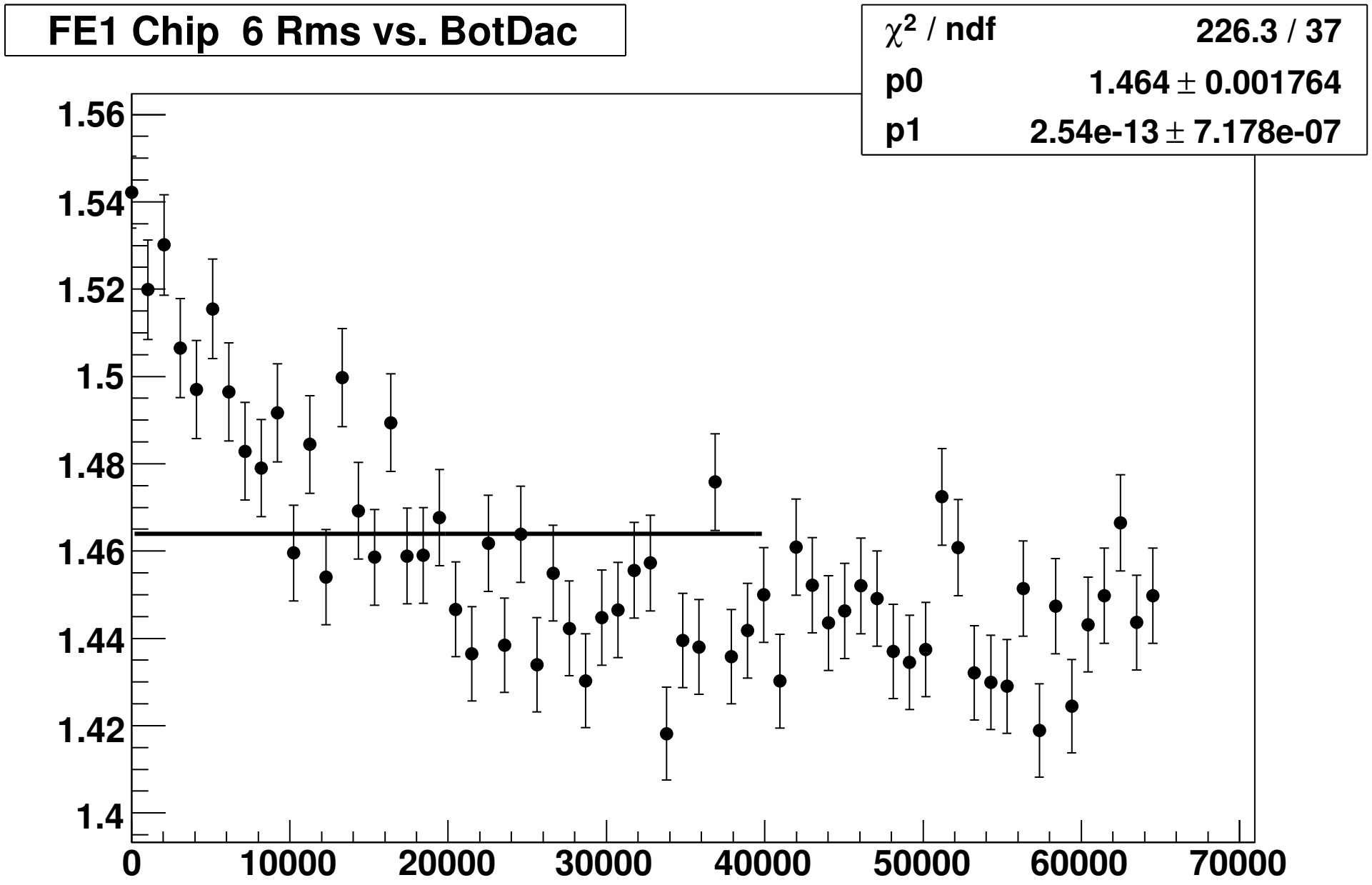

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.206e+05 / 37
p0 82.33 ± 0.005054
p1 0.4508 ± 2.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

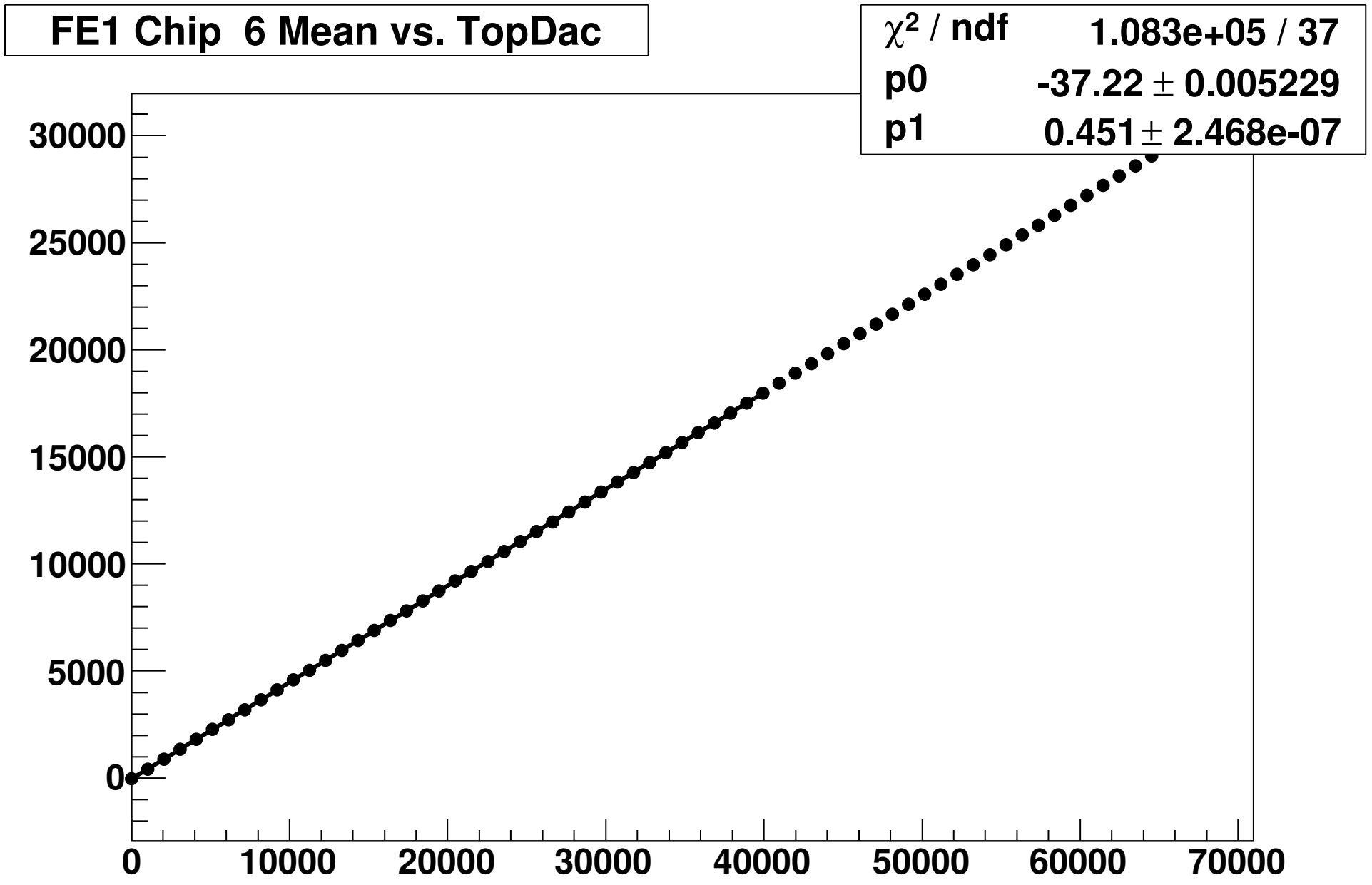

FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1009 / 37
p0 1.335 ± 0.002784
p1 3.658e-05 ± 1.933e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

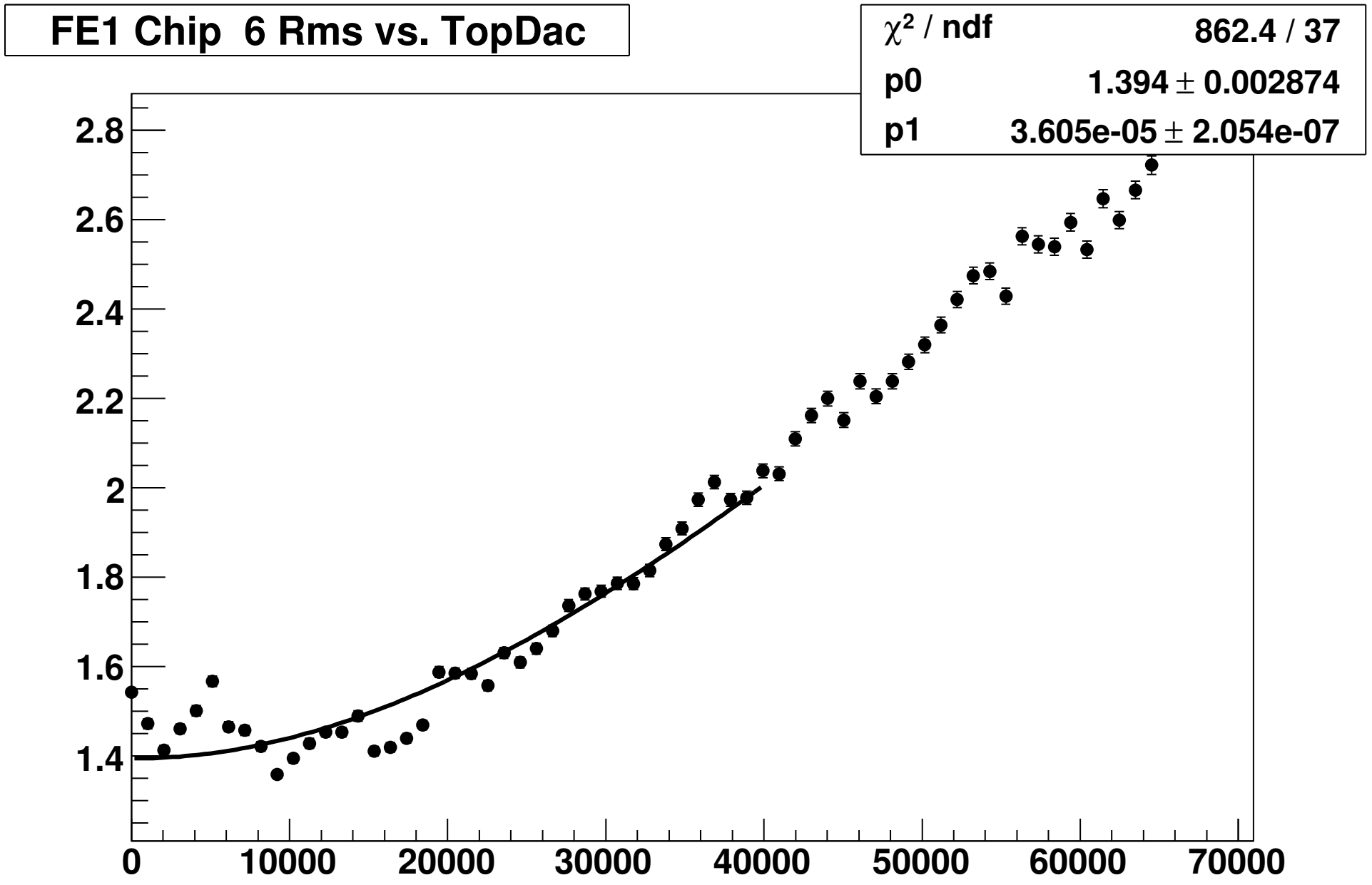

FE1 Chip 5 Mean vs. TopDac
χ² / ndf 9439 / 37
p0 80.23 ± 0.005105
p1 -3.399e-05 ± 2.16e-07
81
80.5
80
79.5
79
0
10000
20000
30000
40000
50000
60000
70000

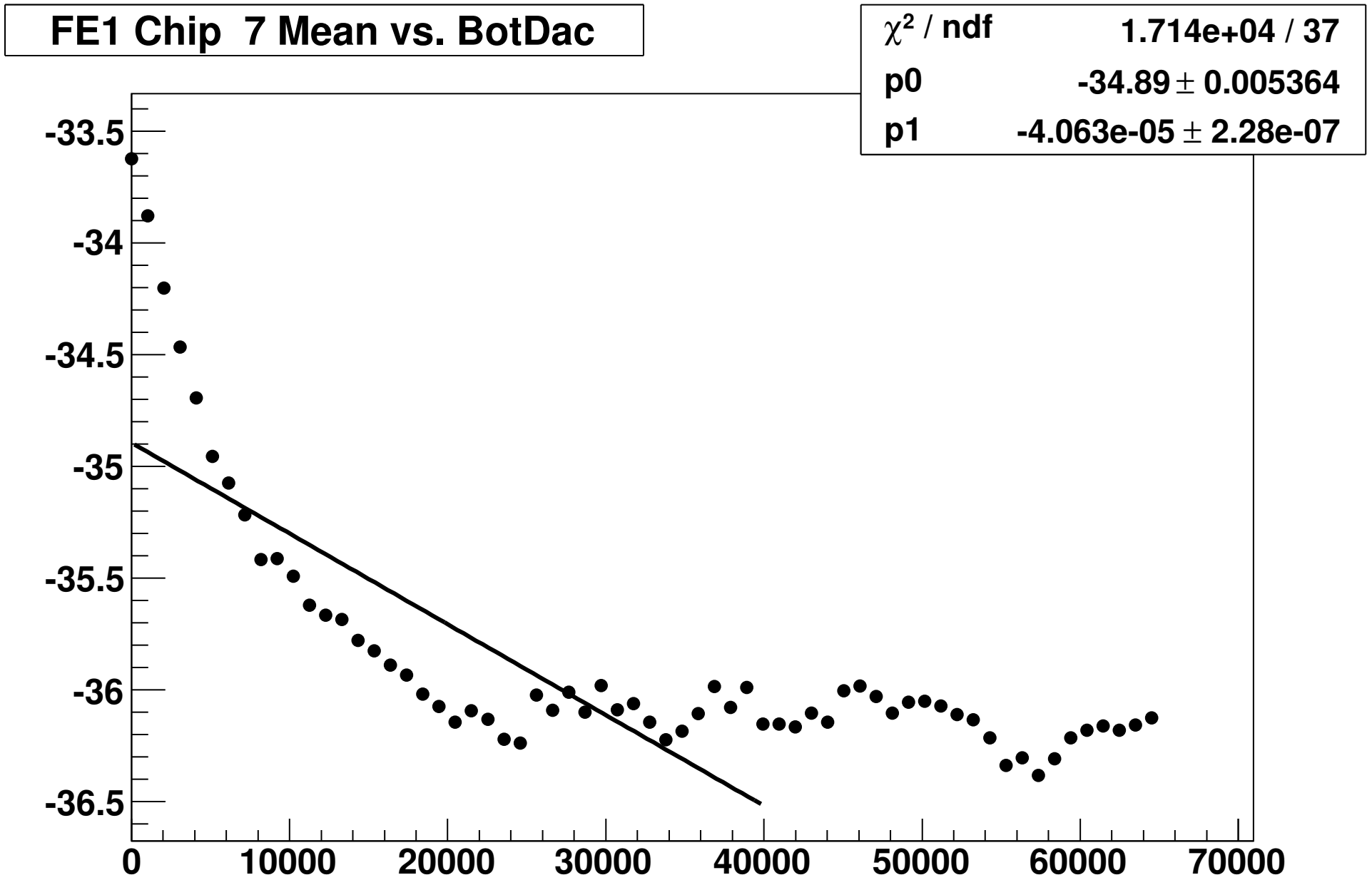

FE1 Chip 5 Rms vs. TopDac
χ² / ndf 63.18 / 37
p0 1.466 ± 0.001763
p1 2.2e-13 ± 1.013e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

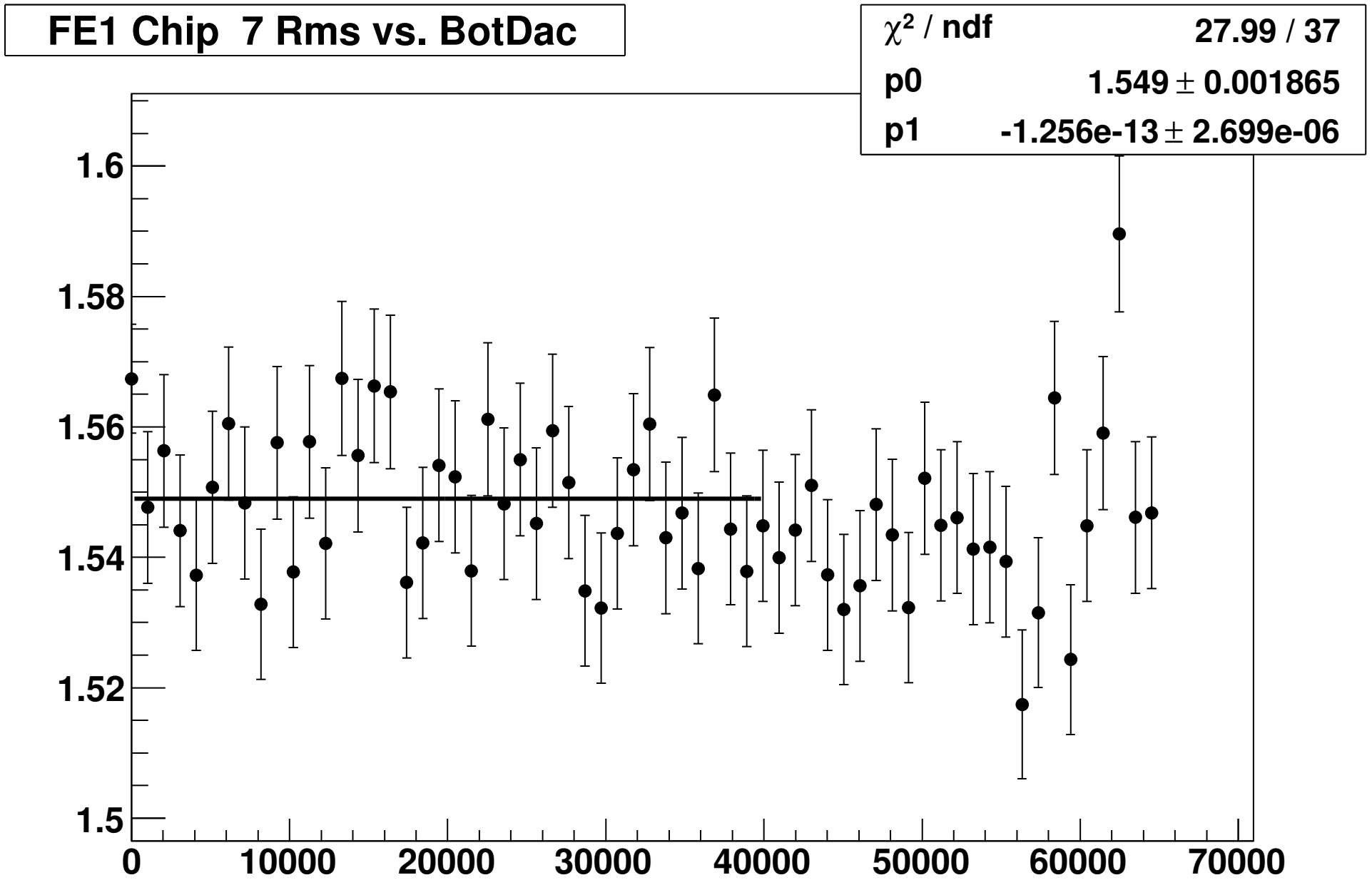

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1.666e+04 / 37
p0 -39.91 ± 0.005157
p1 -3.738e-05 ± 2.171e-07
-38.5
-39
-39.5
-40
-40.5
-41
-41.5
0
10000
20000
30000
40000
50000
60000
70000

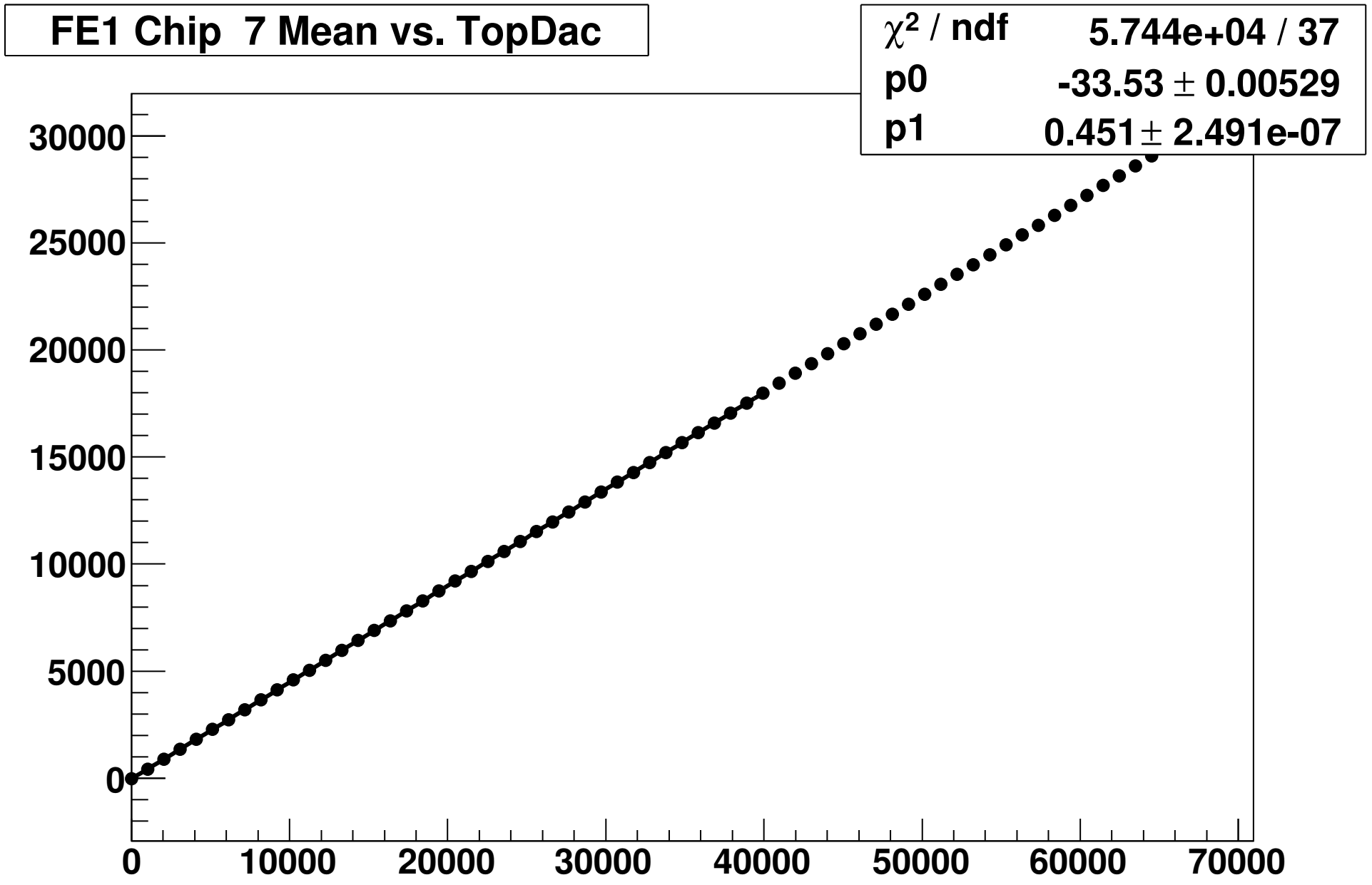

FE1 Chip 6 Rms vs. BotDac
χ² / ndf 226.3 / 37
p0 1.464 ± 0.001764
p1 2.54e-13 ± 7.178e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

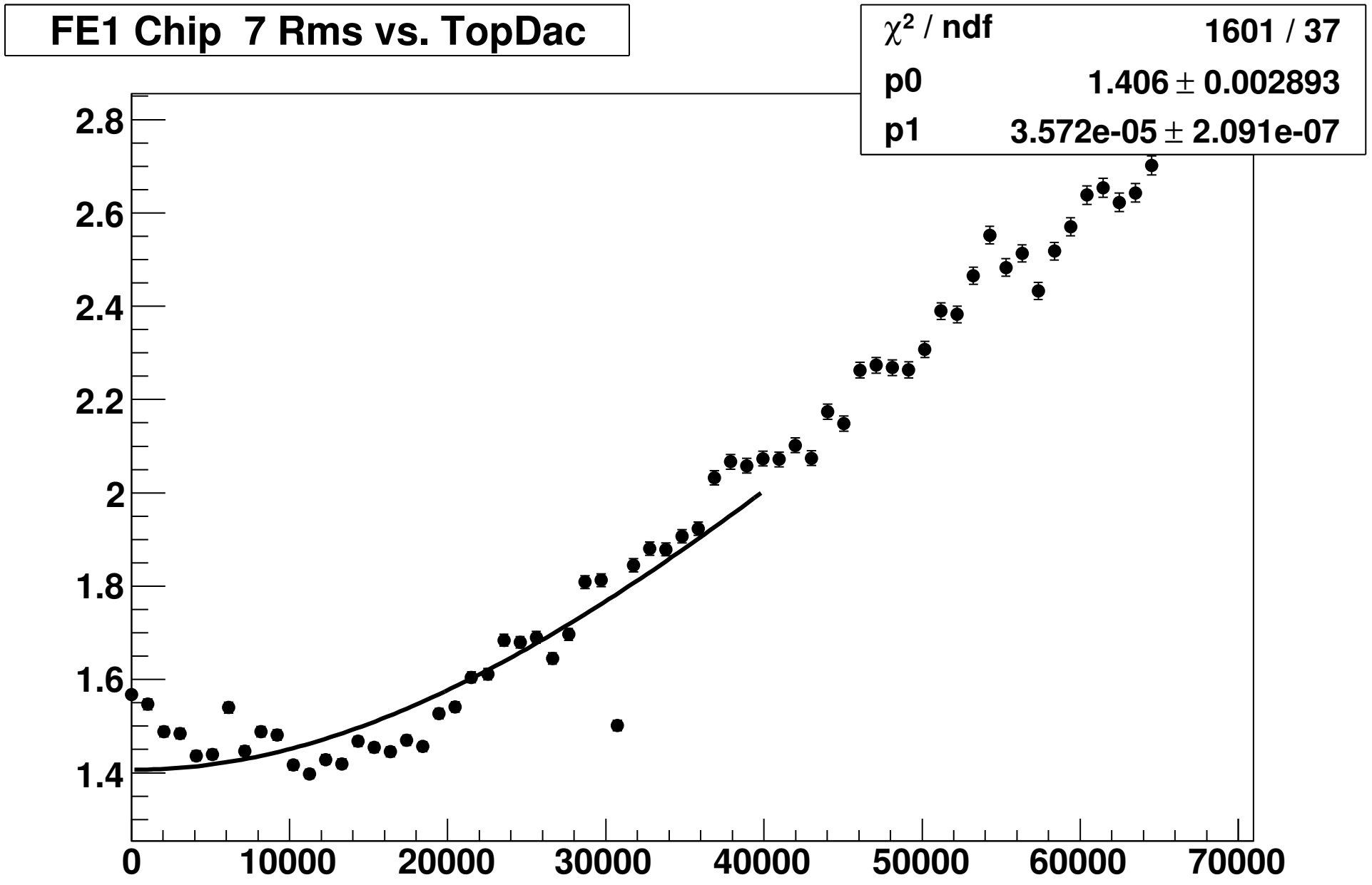

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.083e+05 / 37
p0 -37.22 ± 0.005229
p1 0.451 ± 2.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

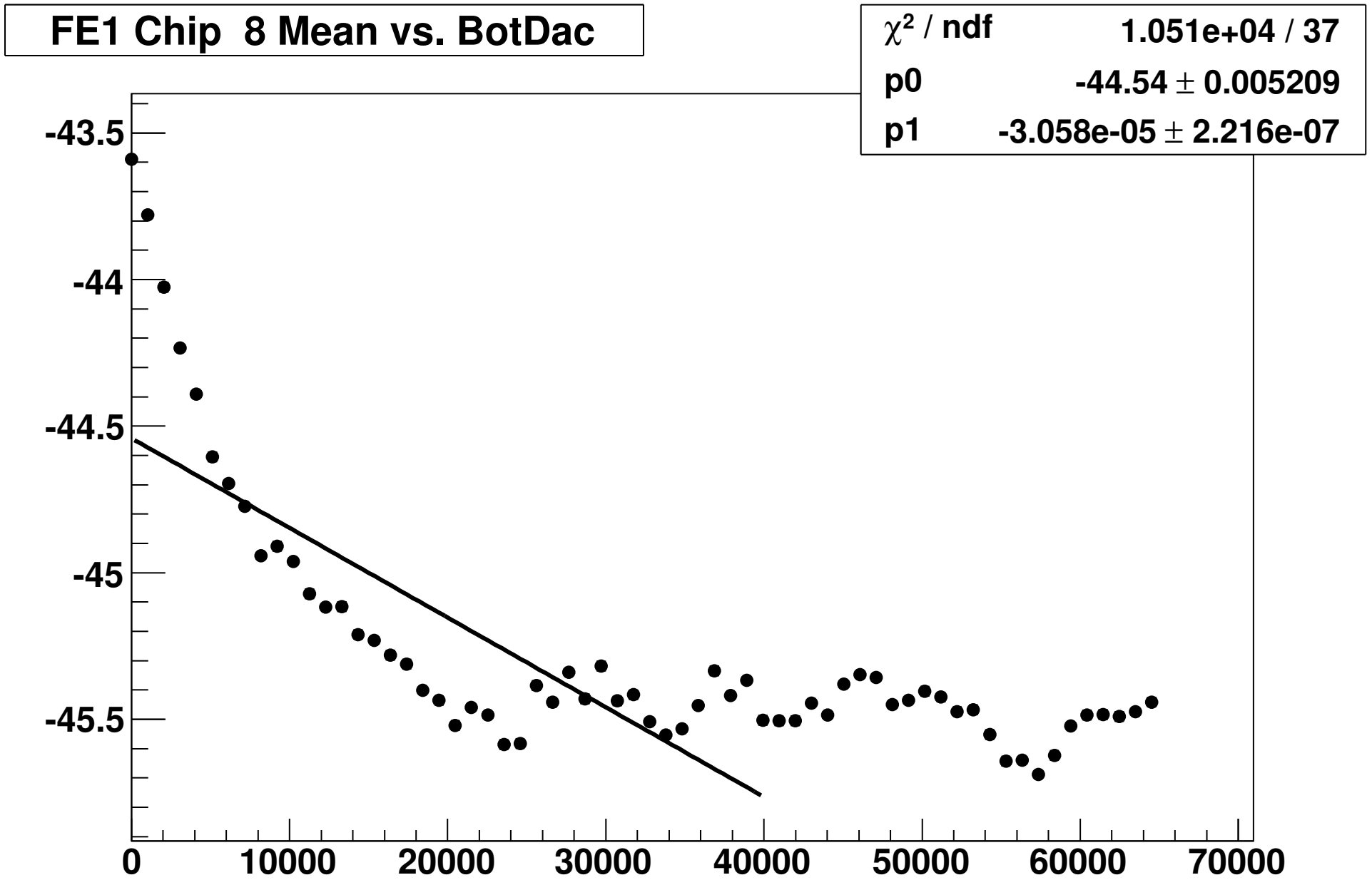

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 862.4 / 37
p0 1.394 ± 0.002874
p1 3.605e-05 ± 2.054e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

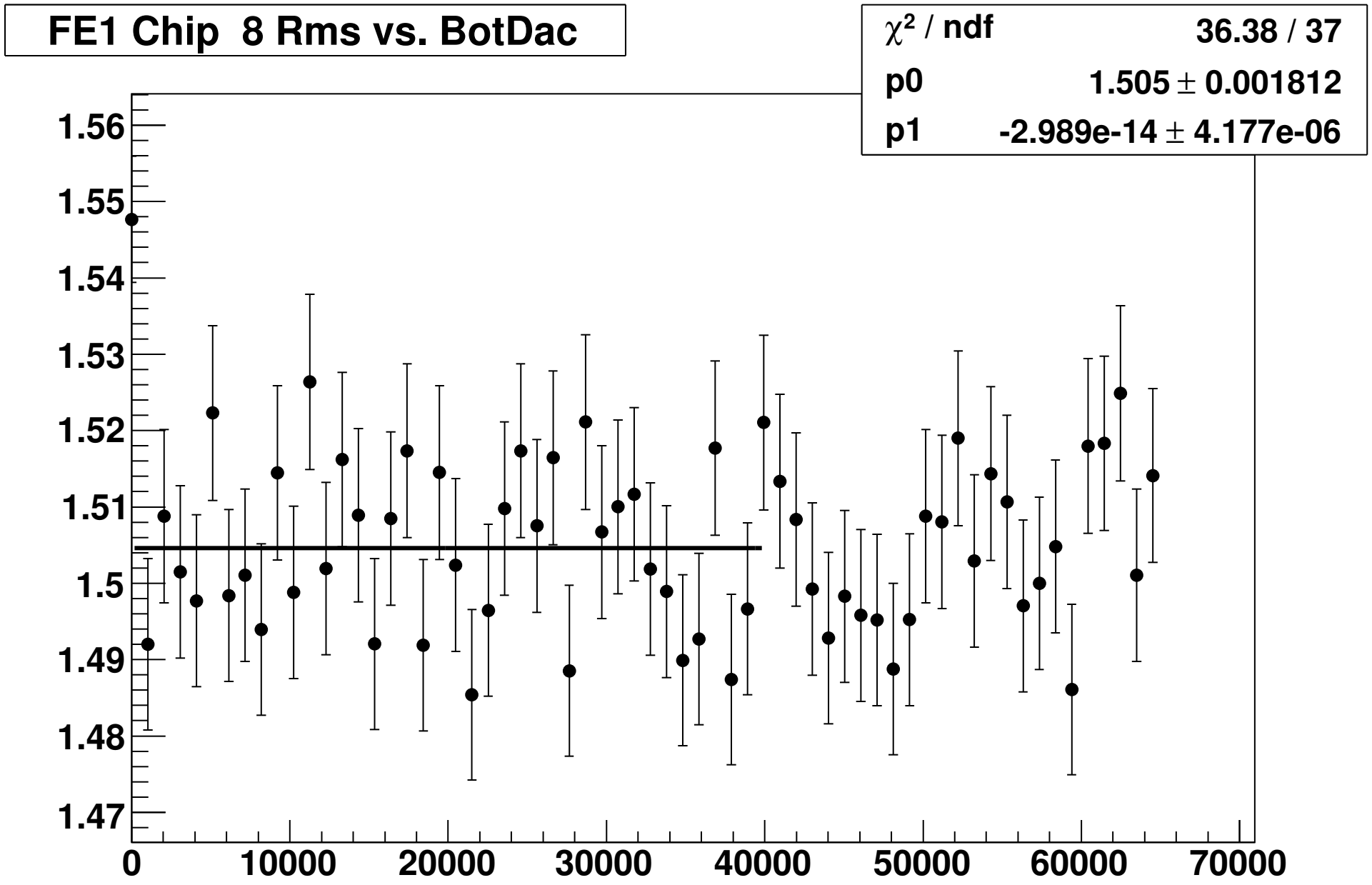

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1.714e+04 / 37
p0 -34.89 ± 0.005364
p1 -4.063e-05 ± 2.28e-07
-33.5
-34
-34.5
-35
-35.5
-36
-36.5
0
10000
20000
30000
40000
50000
60000
70000

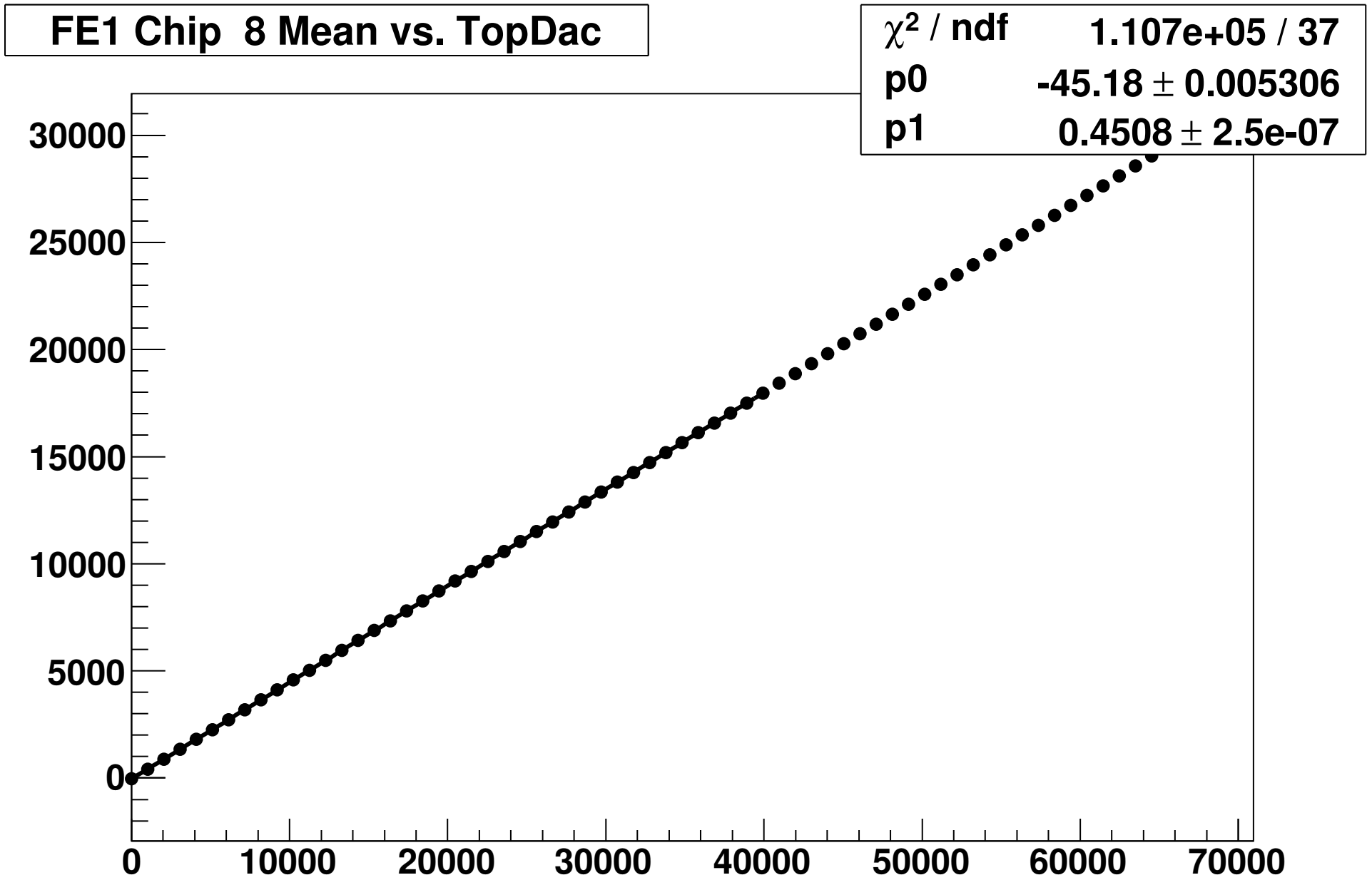

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 27.99 / 37
p0 1.549 ± 0.001865
p1 -1.256e-13 ± 2.699e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

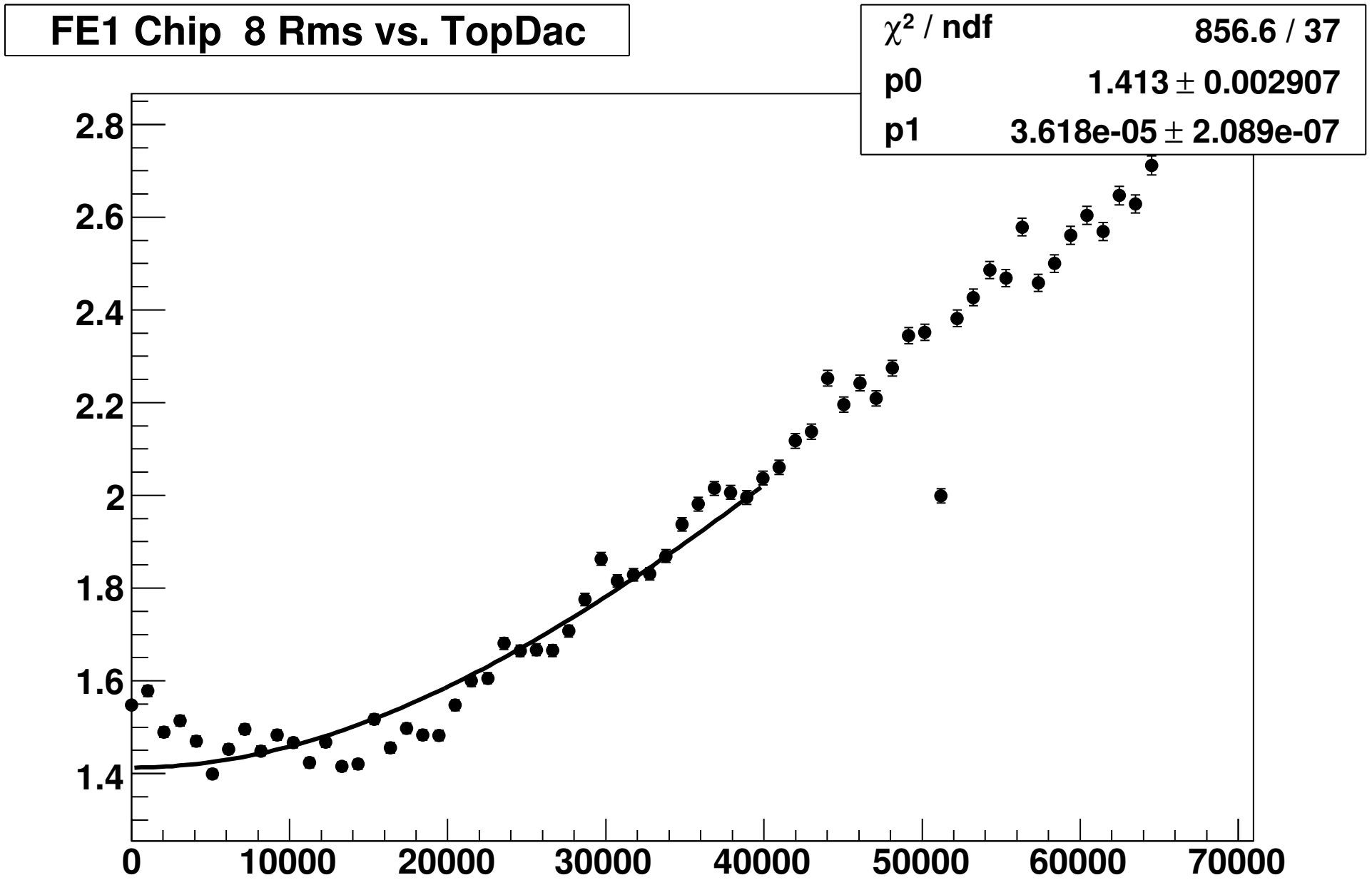

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 5.744e+04 / 37
p0 -33.53 ± 0.00529
p1 0.451 ± 2.491e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

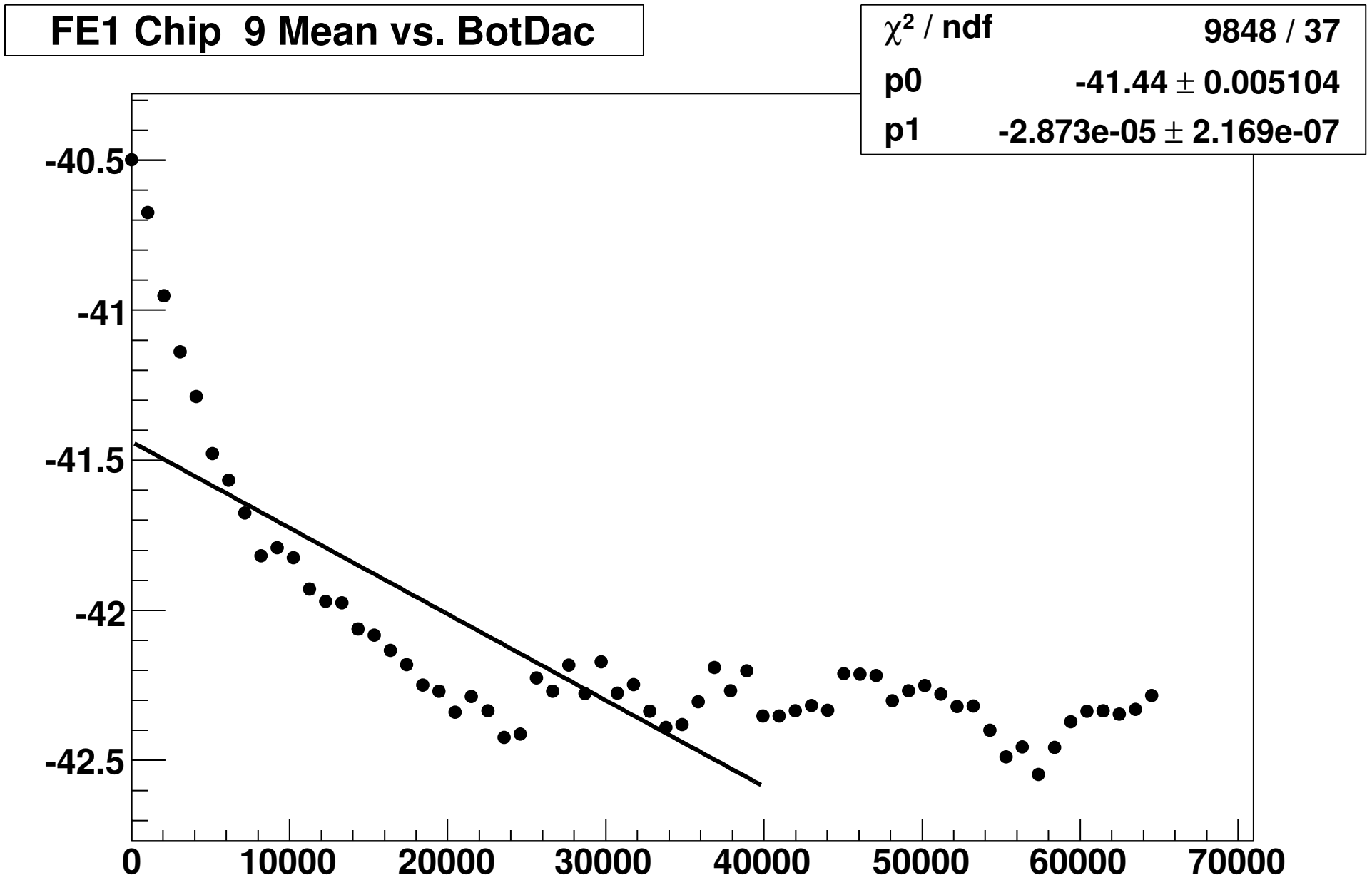

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1601 / 37
p0 1.406 ± 0.002893
p1 3.572e-05 ± 2.091e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

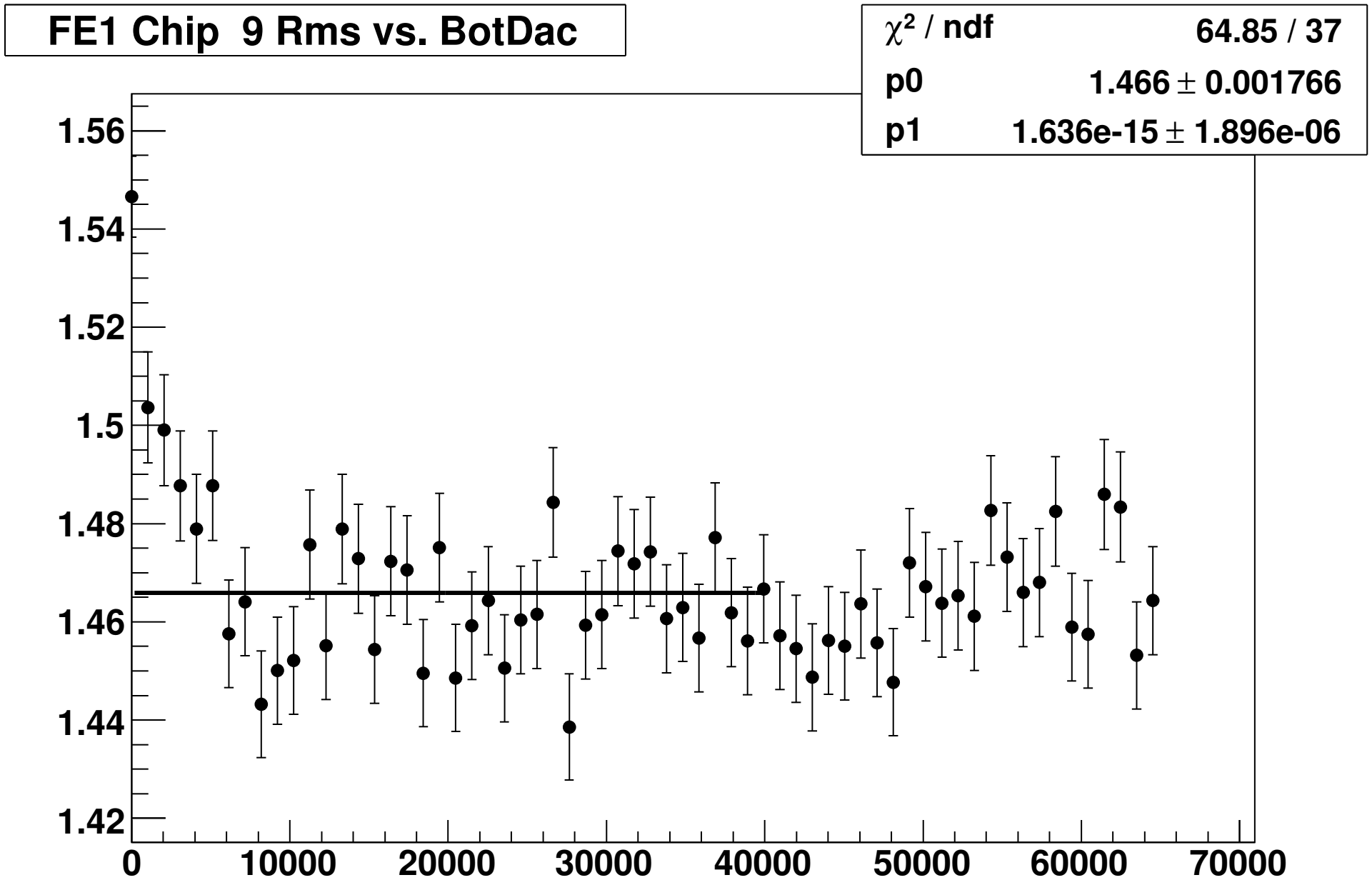

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 1.051e+04 / 37
p0 -44.54 ± 0.005209
p1 -3.058e-05 ± 2.216e-07
-43.5
-44
-44.5
-45
-45.5
0
10000
20000
30000
40000
50000
60000
70000

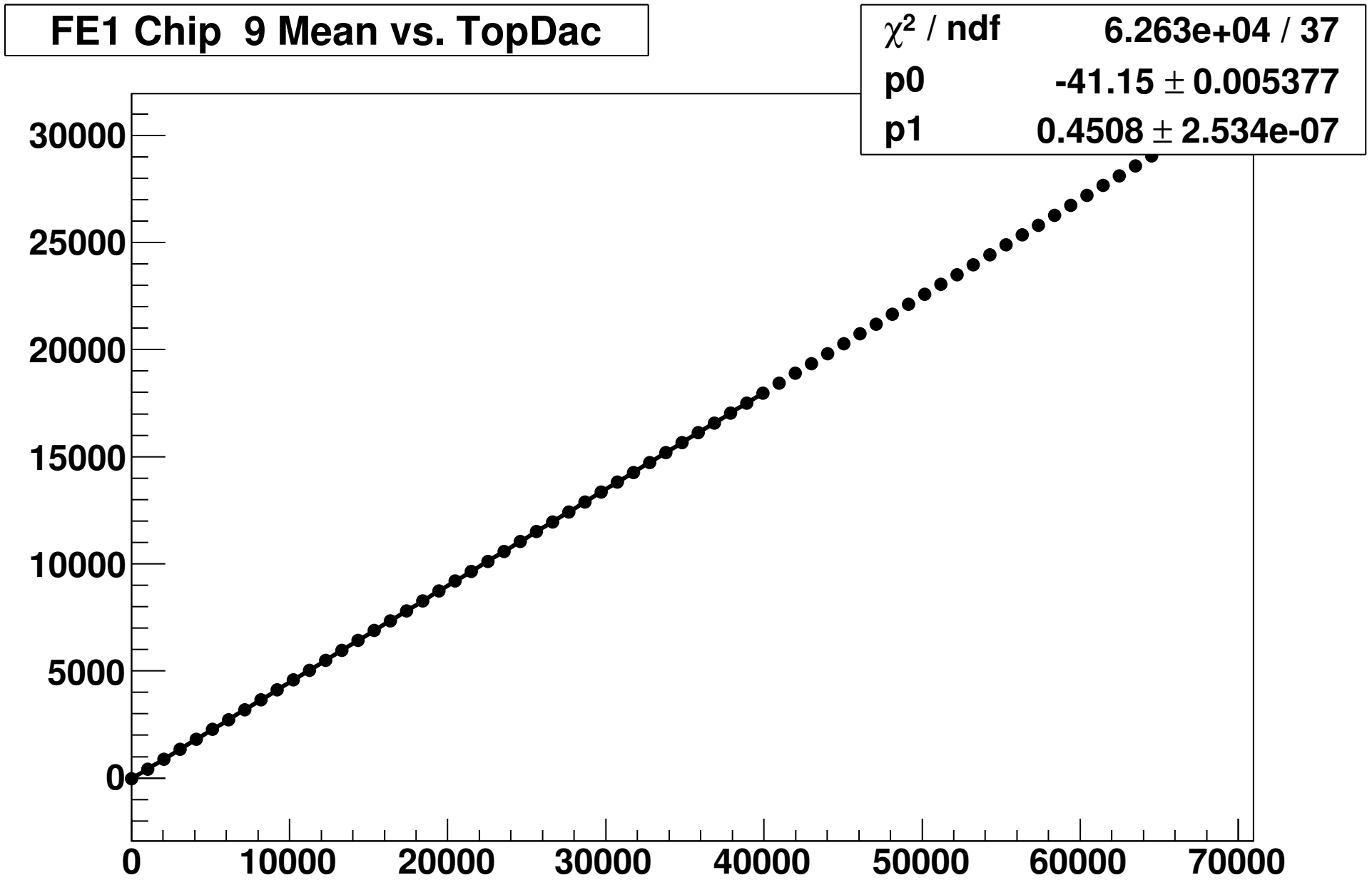

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 36.38 / 37
p0 1.505 ± 0.001812
p1 -2.989e-14 ± 4.177e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

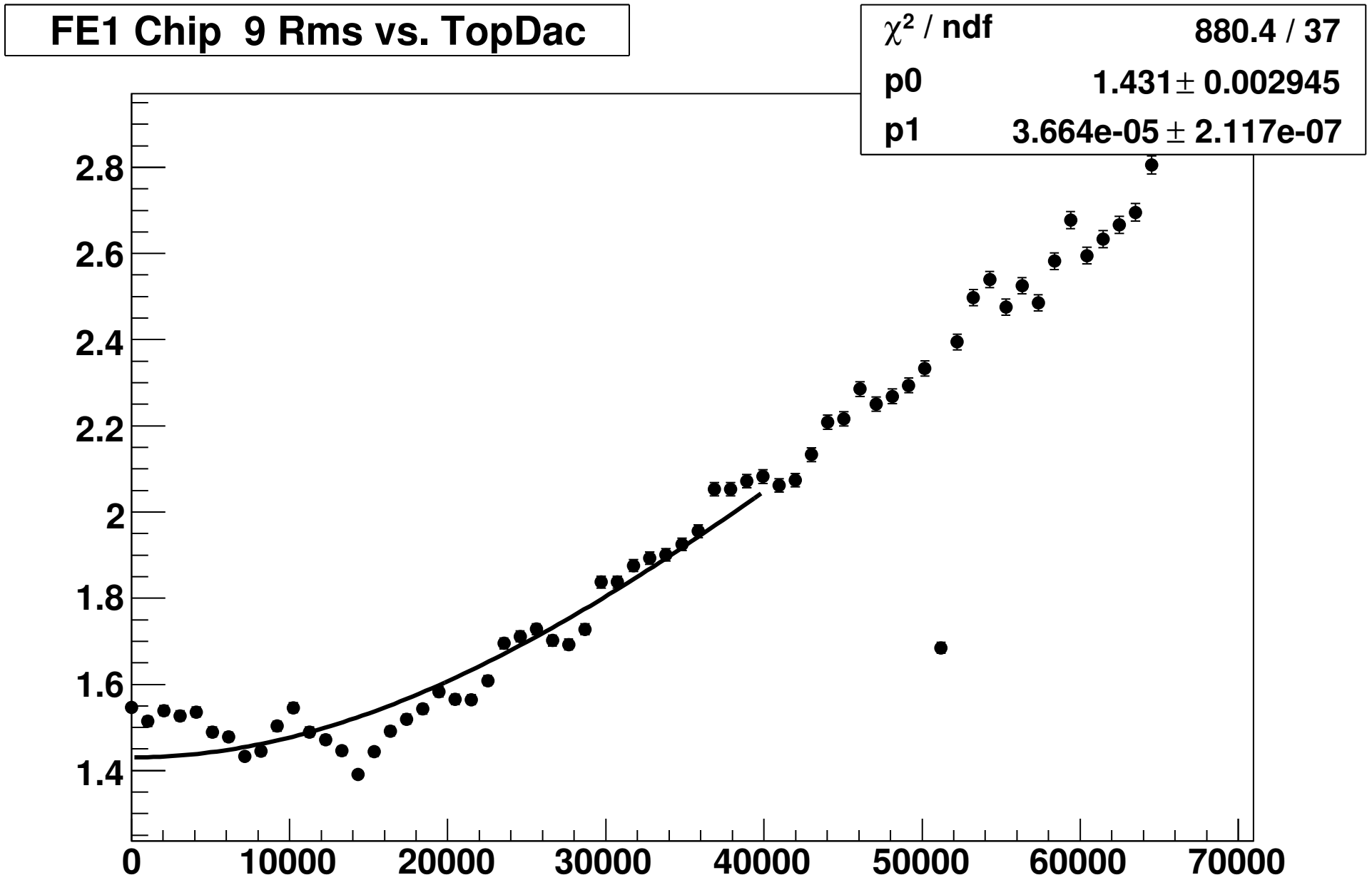

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.107e+05 / 37
p0 -45.18 ± 0.005306
p1 0.4508 ± 2.5e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

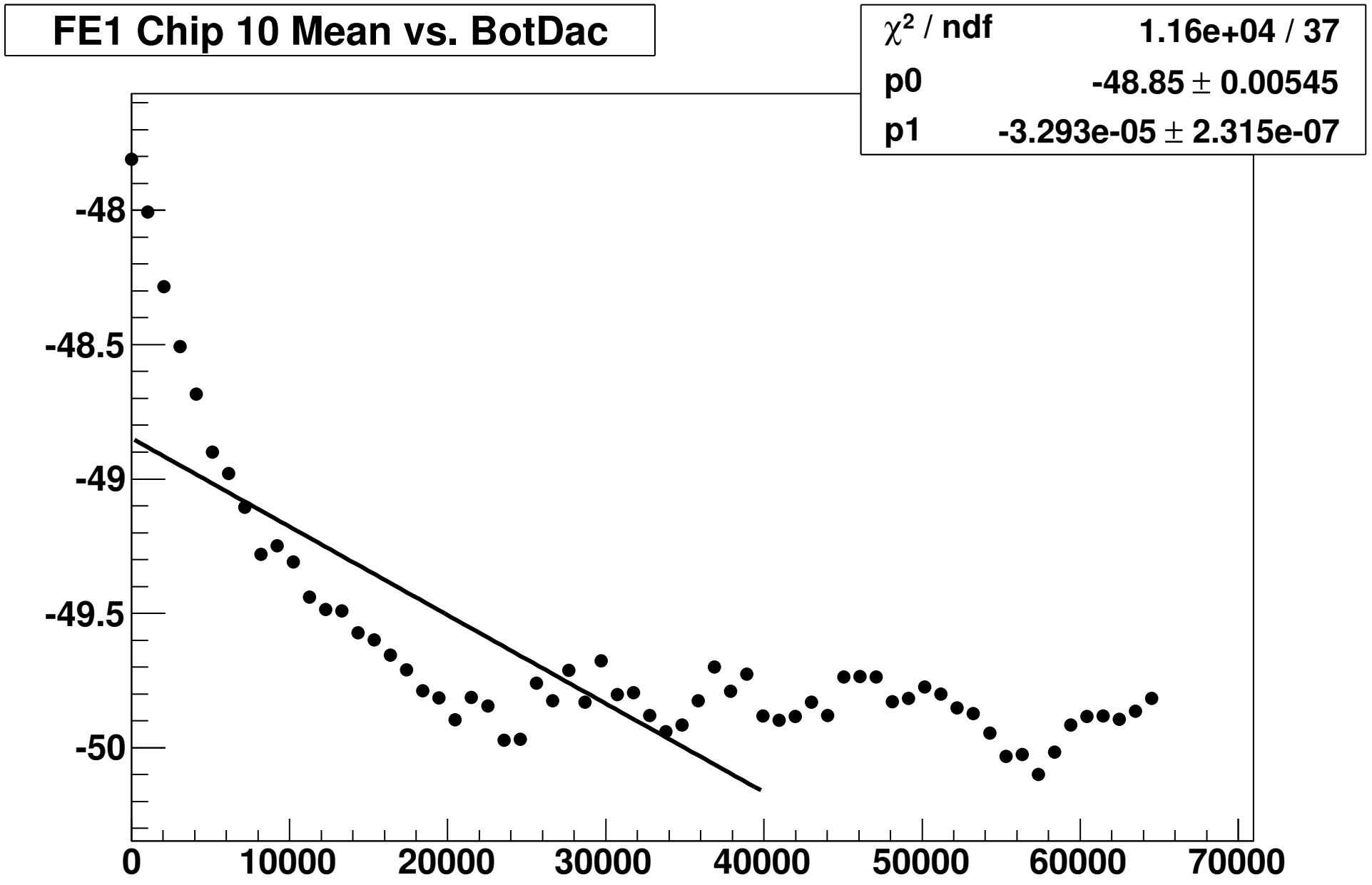

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 856.6 / 37
p0 1.413 ± 0.002907
p1 3.618e-05 ± 2.089e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

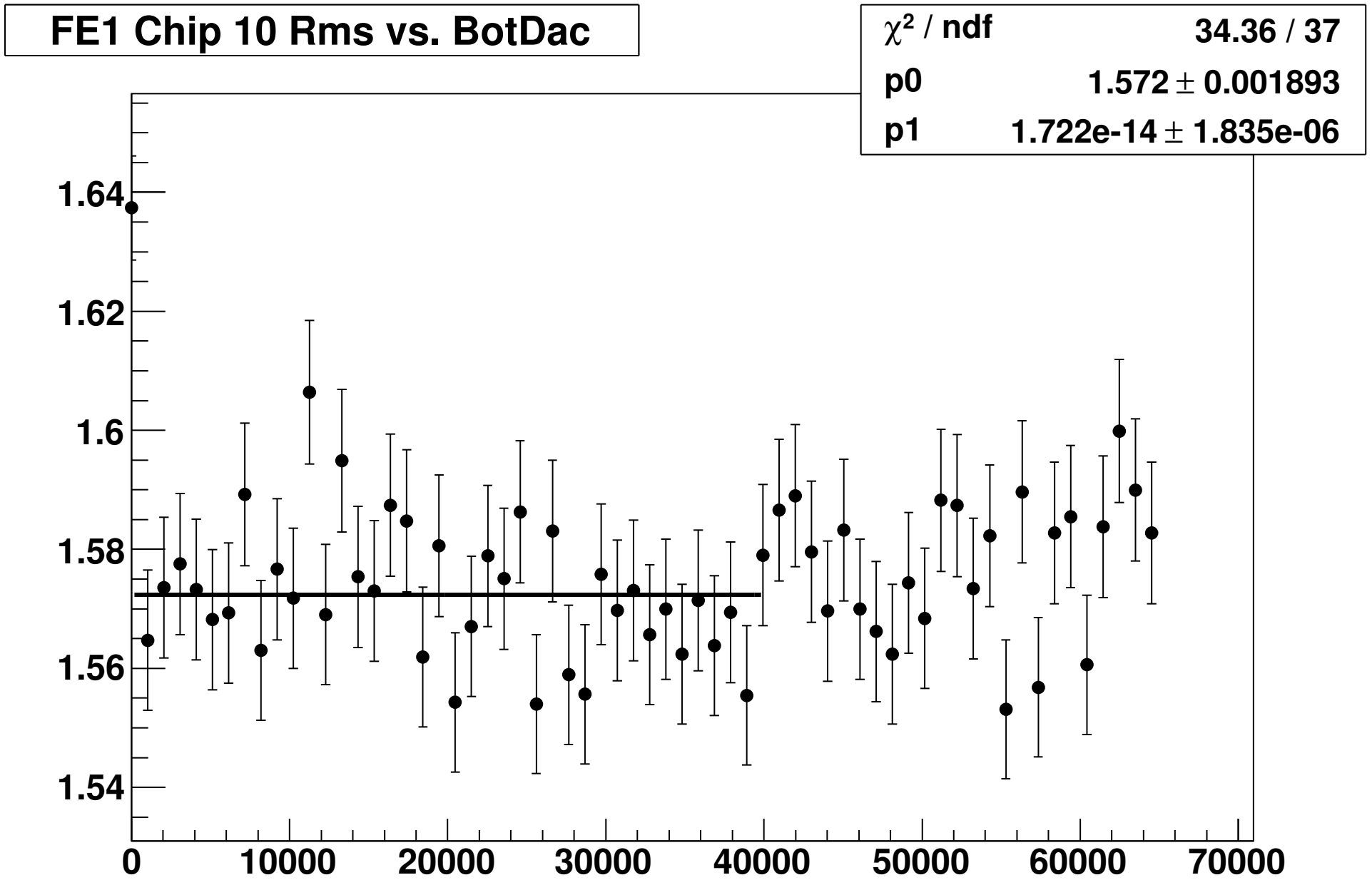

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 9848 / 37
p0 -41.44 ± 0.005104
p1 -2.873e-05 ± 2.169e-07
-40.5
-41
-41.5
-42
-42.5
0
10000
20000
30000
40000
50000
60000
70000

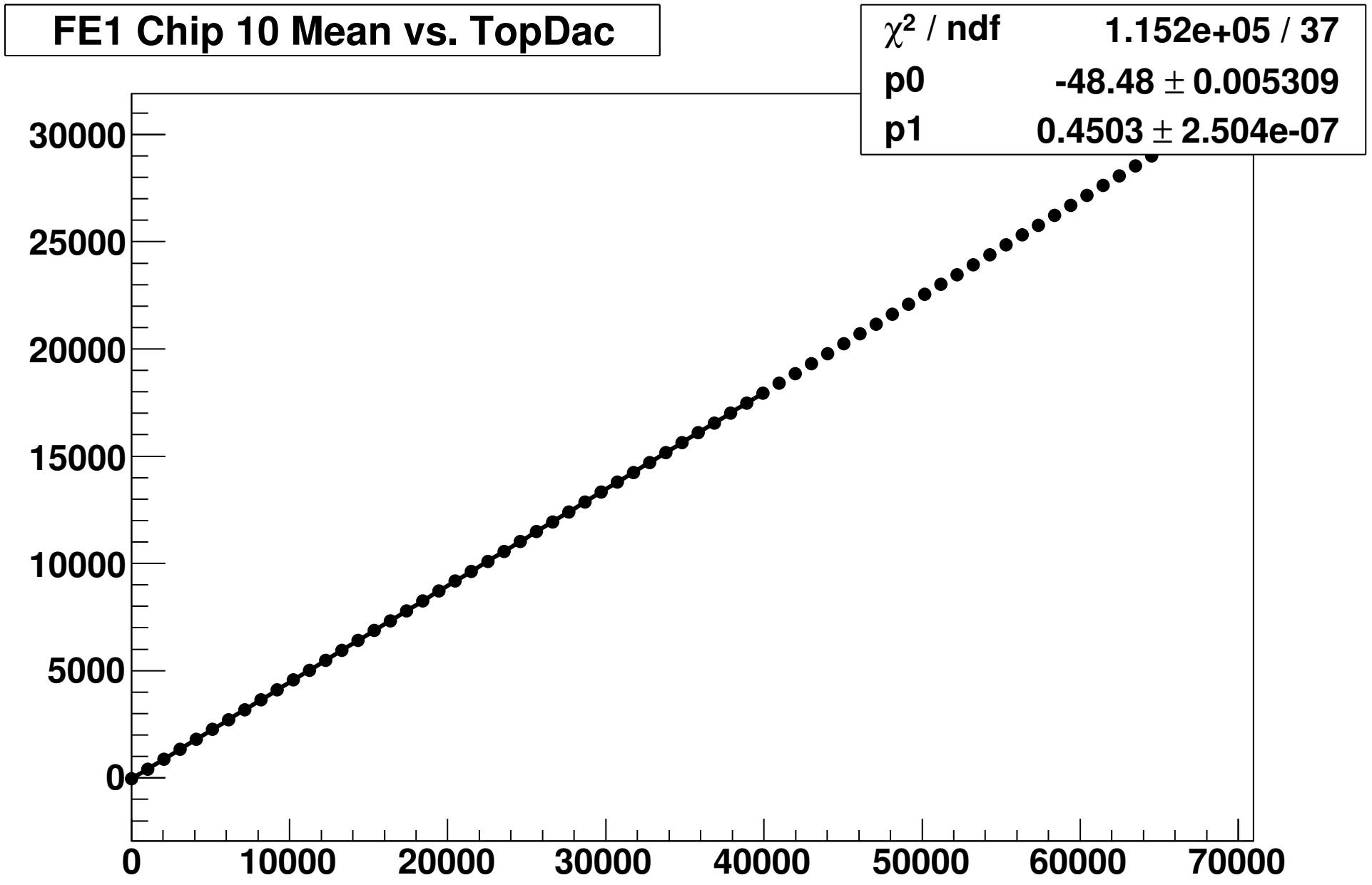

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 64.85 / 37
p0 1.466 ± 0.001766
p1 1.636e-15 ± 1.896e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

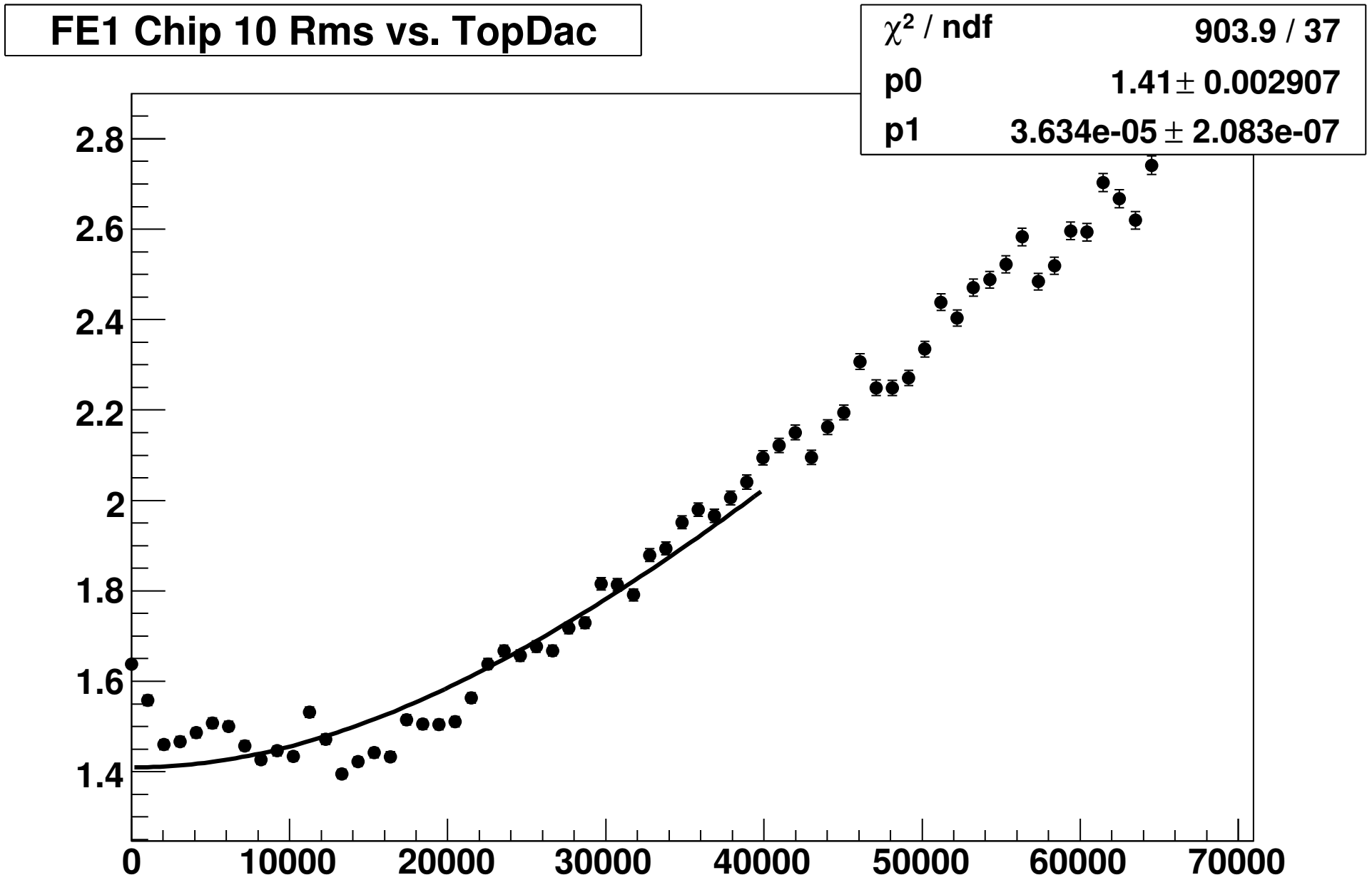

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 6.263e+04 / 37
p0 -41.15 ± 0.005377
p1 0.4508 ± 2.534e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

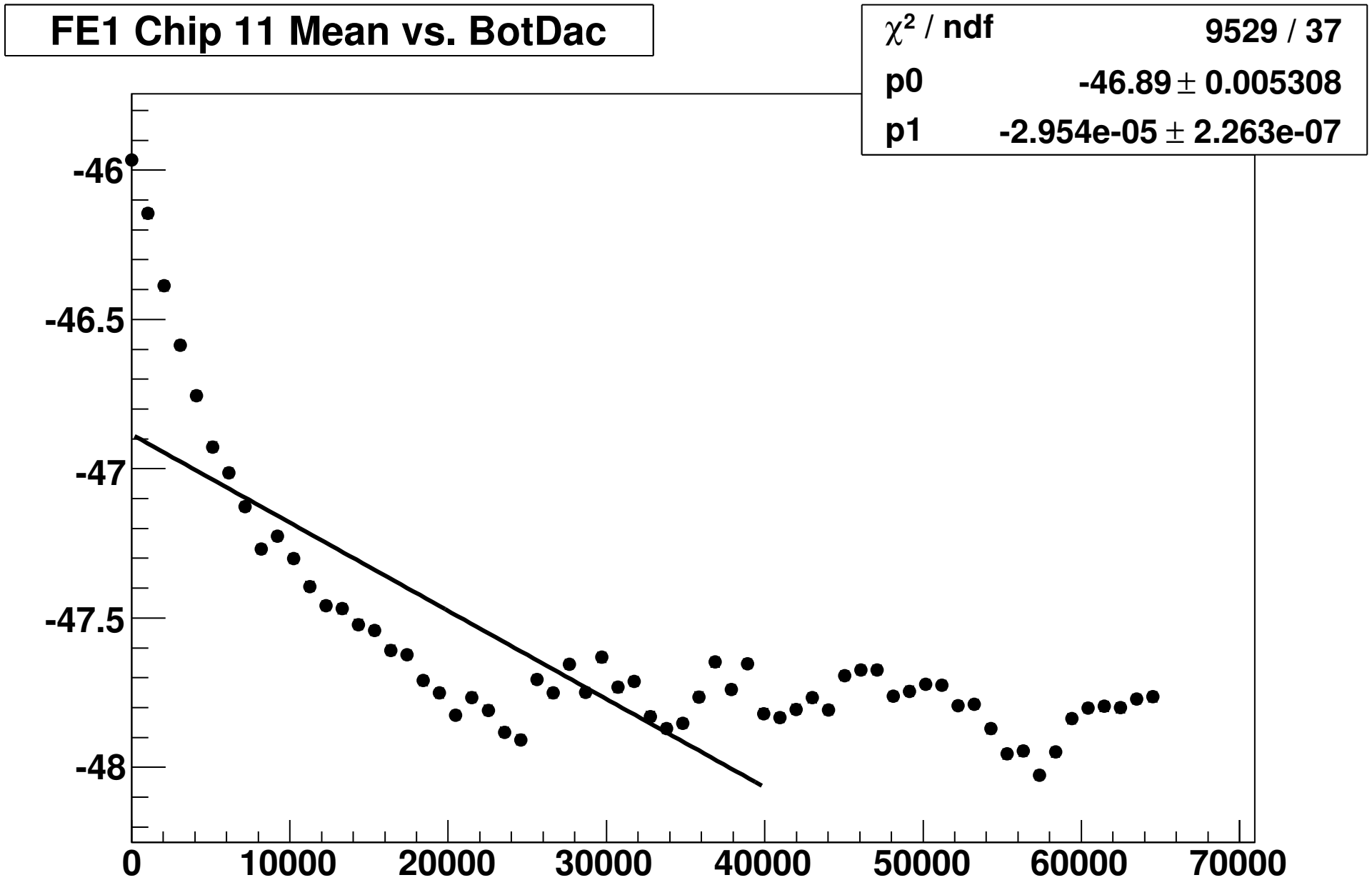

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 880.4 / 37
p0 1.431 ± 0.002945
p1 3.664e-05 ± 2.117e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

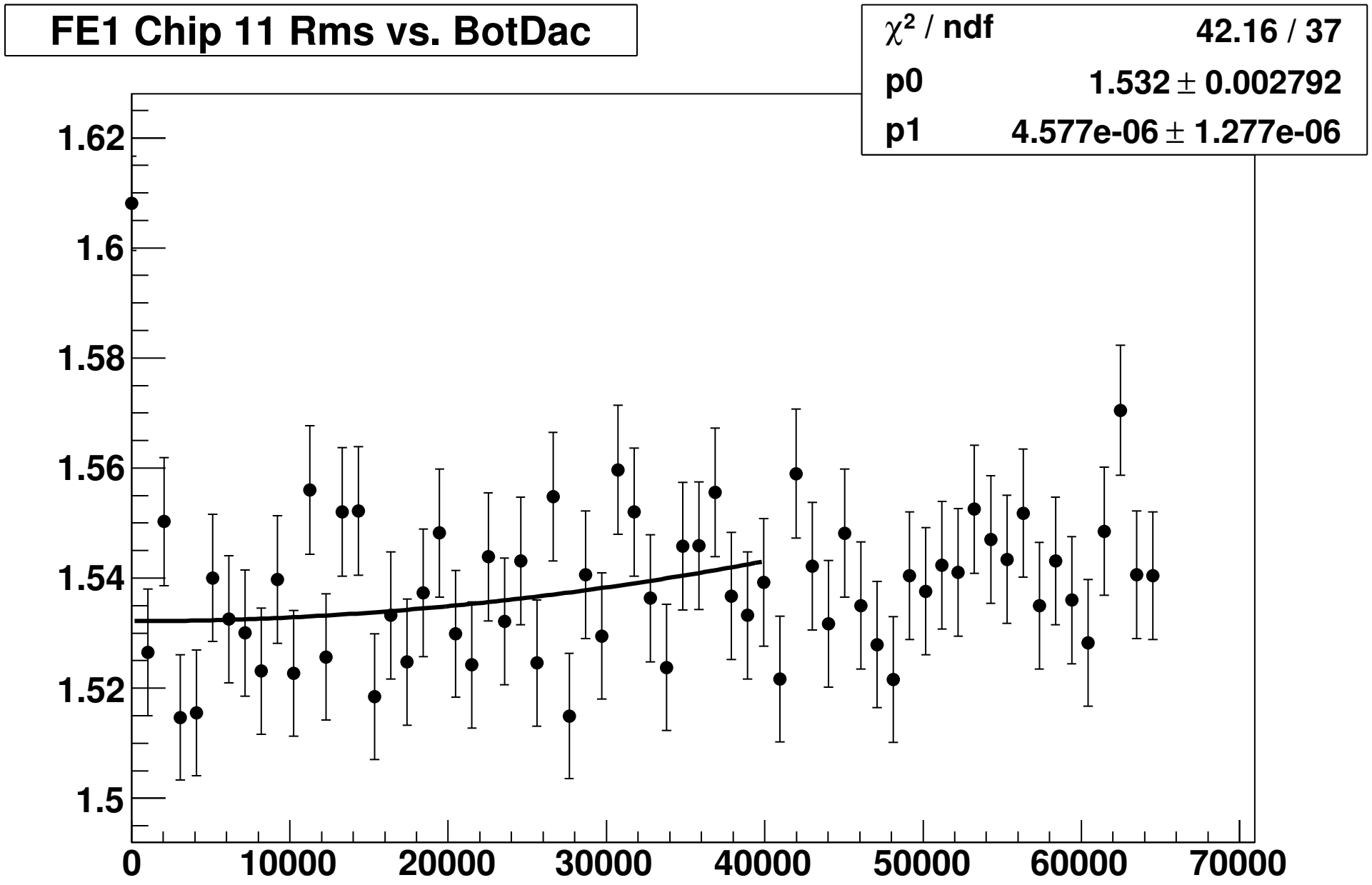

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 1.16e+04 / 37
p0 -48.85 ± 0.00545
p1 -3.293e-05 ± 2.315e-07
-48
-48.5
-49
-49.5
-50
0
10000
20000
30000
40000
50000
60000
70000

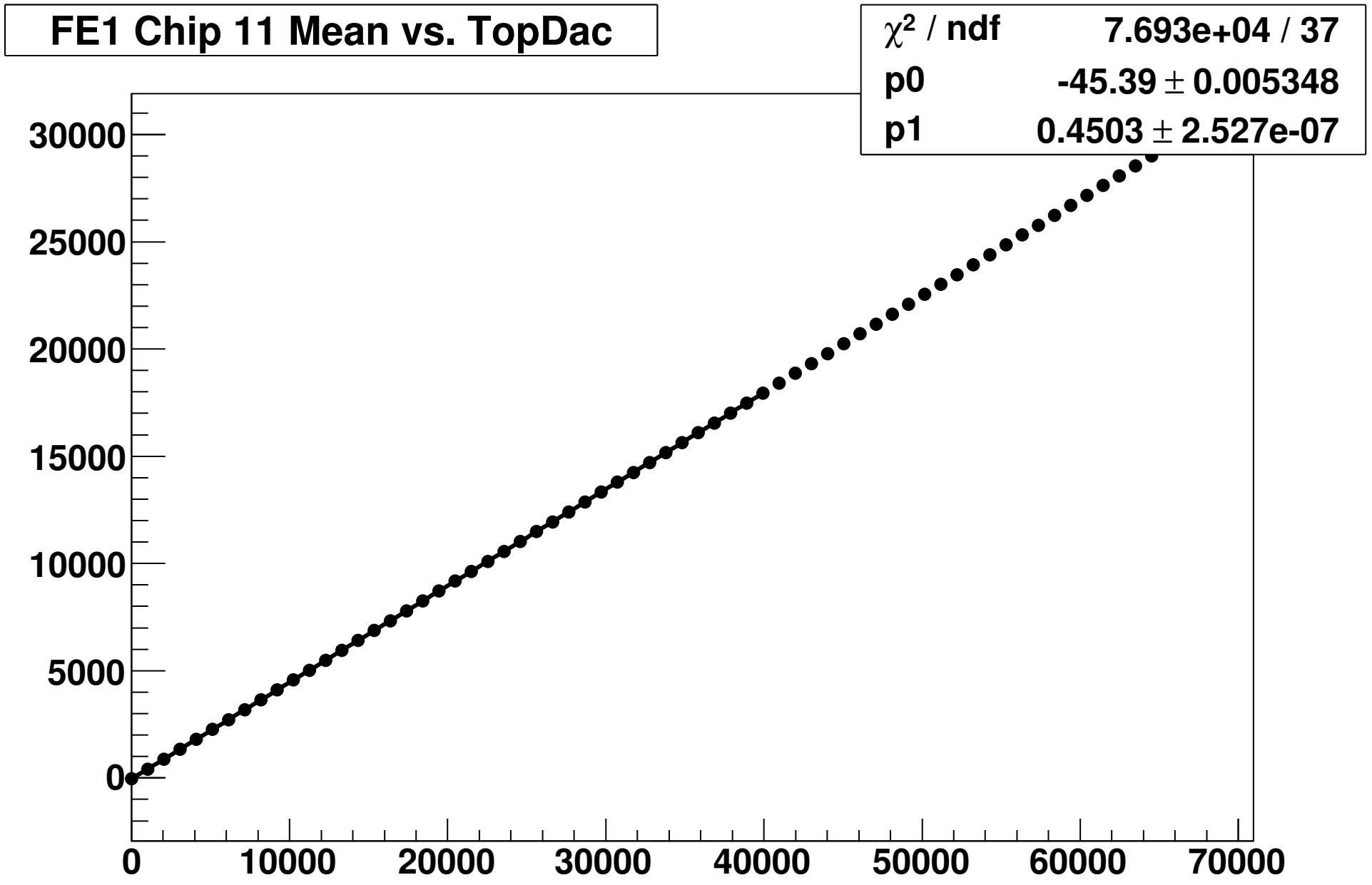

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 34.36 / 37
p0 1.572 ± 0.001893
p1 1.722e-14 ± 1.835e-06
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000
70000

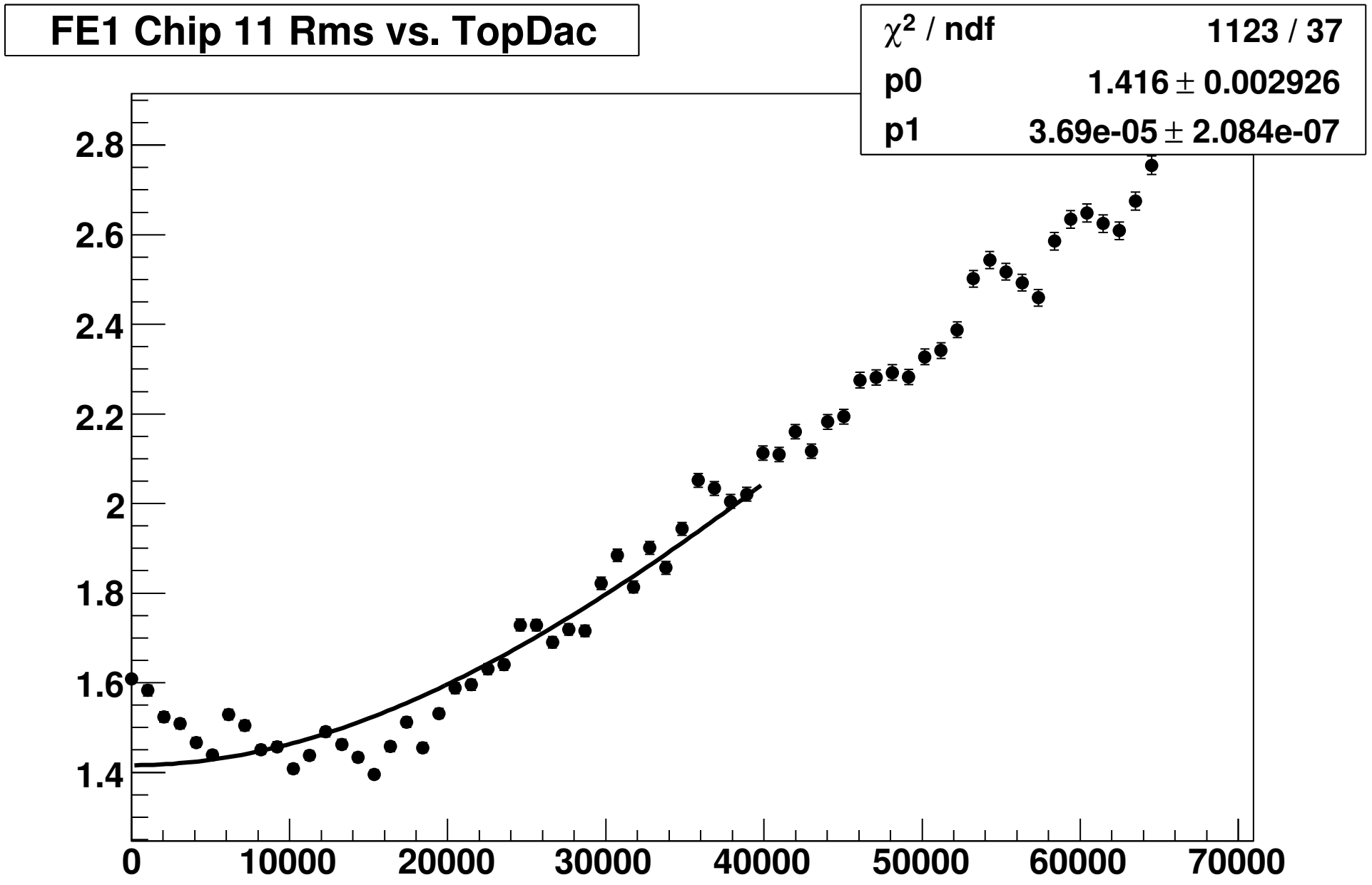

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.152e+05 / 37
p0 -48.48 ± 0.005309
p1 0.4503 ± 2.504e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 903.9 / 37
p0 1.41 ± 0.002907
p1 3.634e-05 ± 2.083e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 9529 / 37
p0 -46.89 ± 0.005308
p1 -2.954e-05 ± 2.263e-07
-46
-46.5
-47
-47.5
-48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 42.16 / 37
p0 1.532 ± 0.002792
p1 4.577e-06 ± 1.277e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 7.693e+04 / 37
p0 -45.39 ± 0.005348
p1 0.4503 ± 2.527e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1123 / 37
p0 1.416 ± 0.002926
p1 3.69e-05 ± 2.084e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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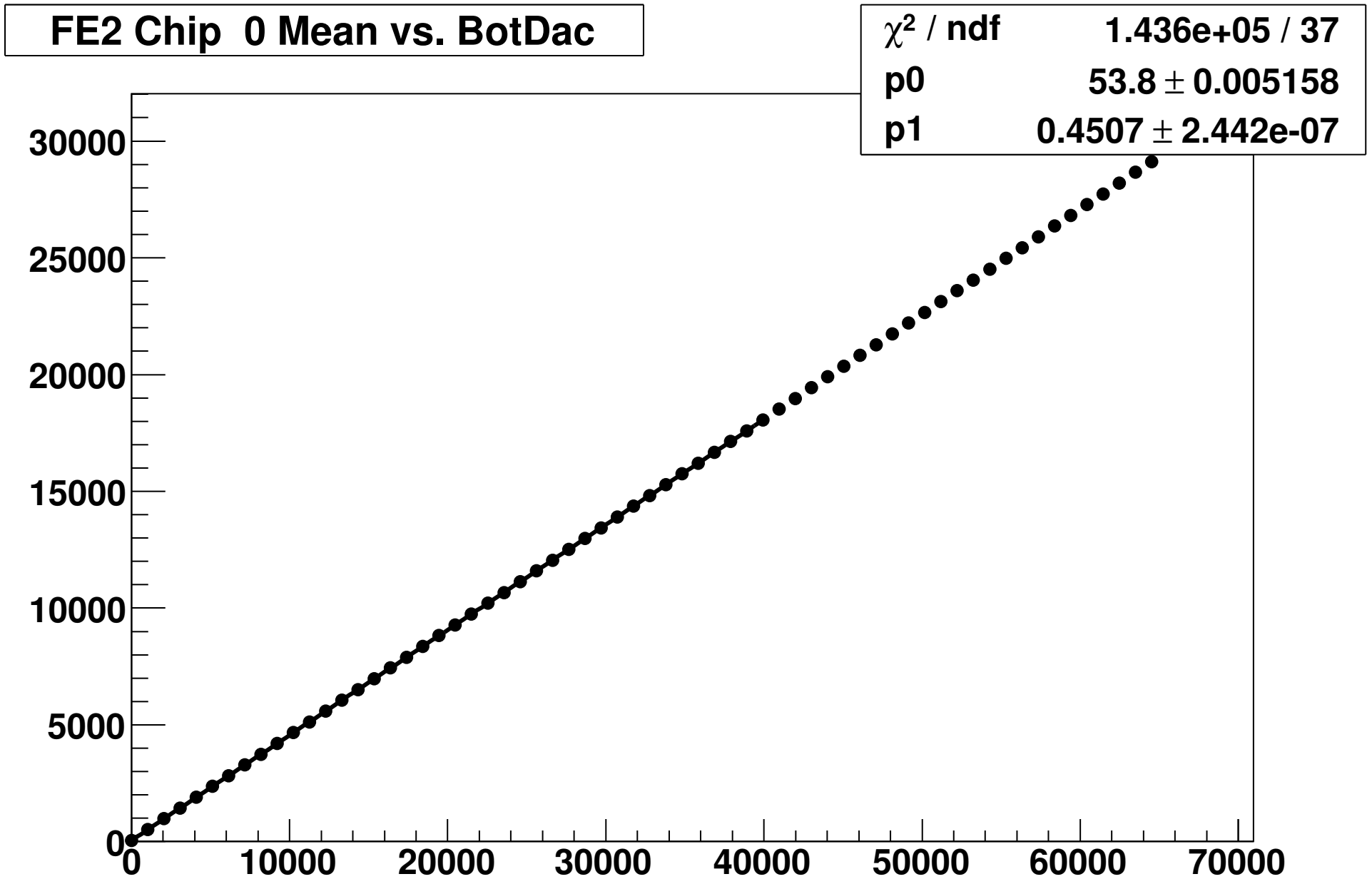
FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.436e+05 / 37
p0 53.8 ± 0.005158
p1 0.4507 ± 2.442e-07
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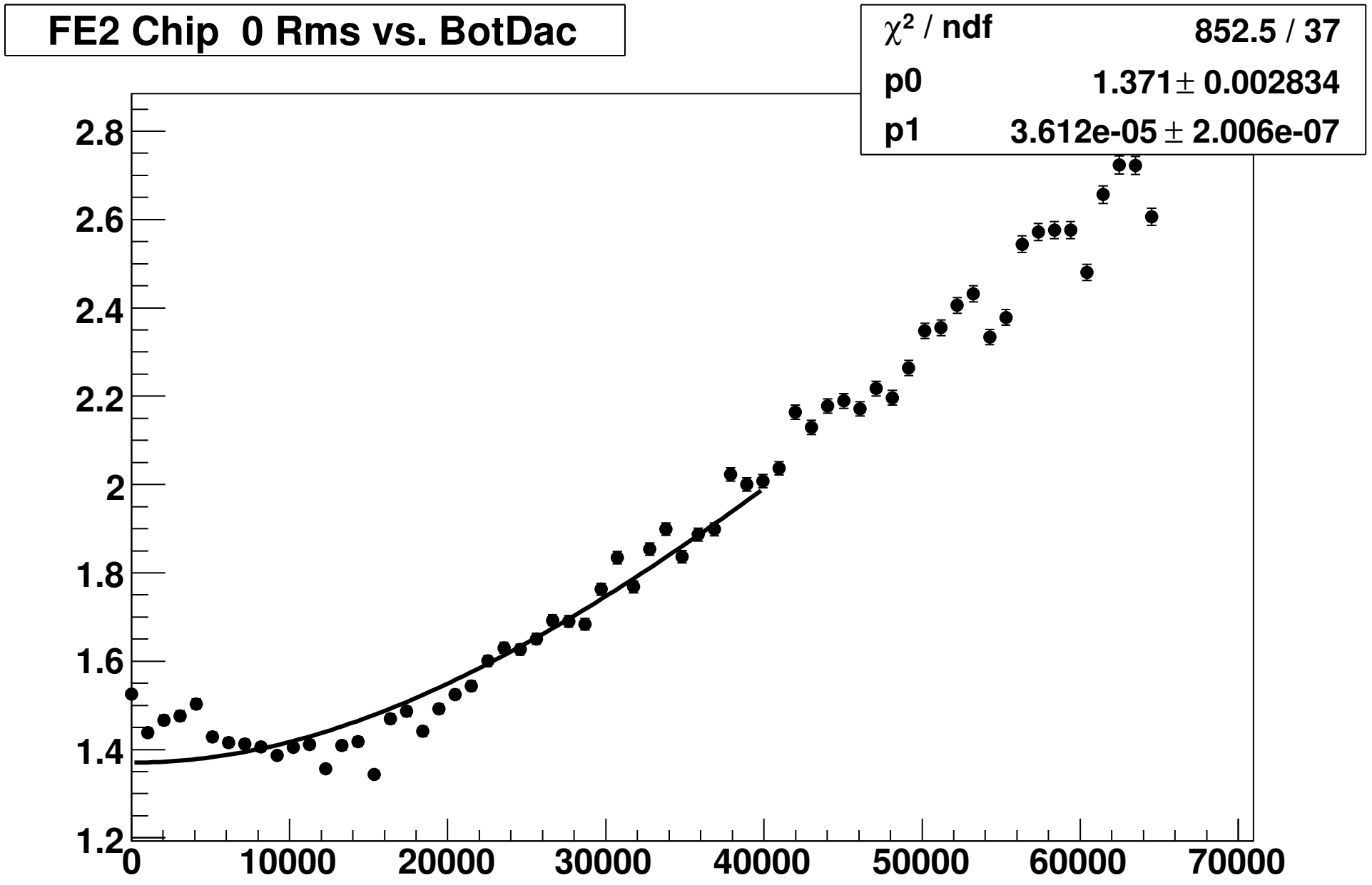
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 852.5 / 37
p0 1.371 ± 0.002834
p1 3.612e-05 ± 2.006e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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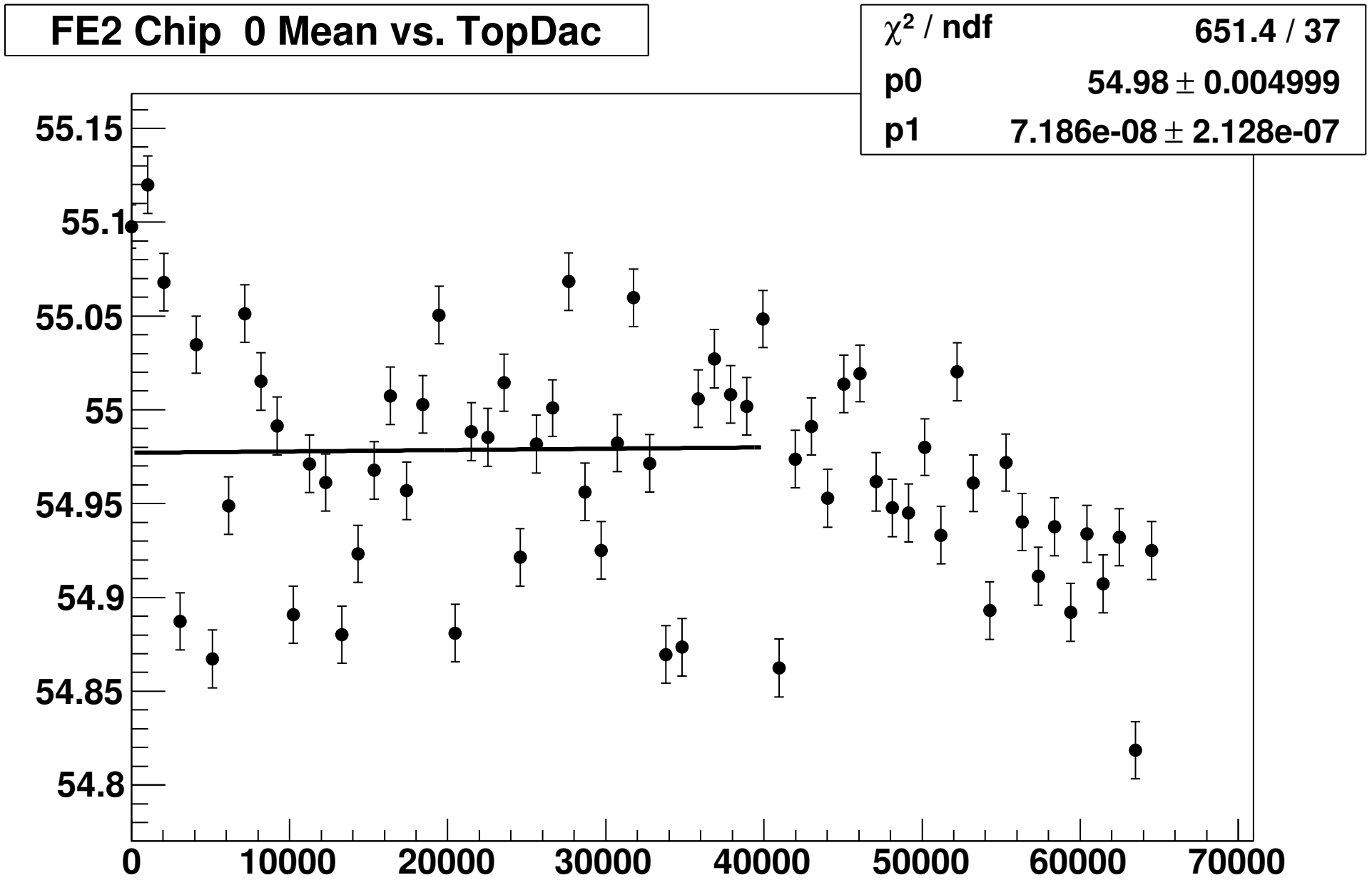
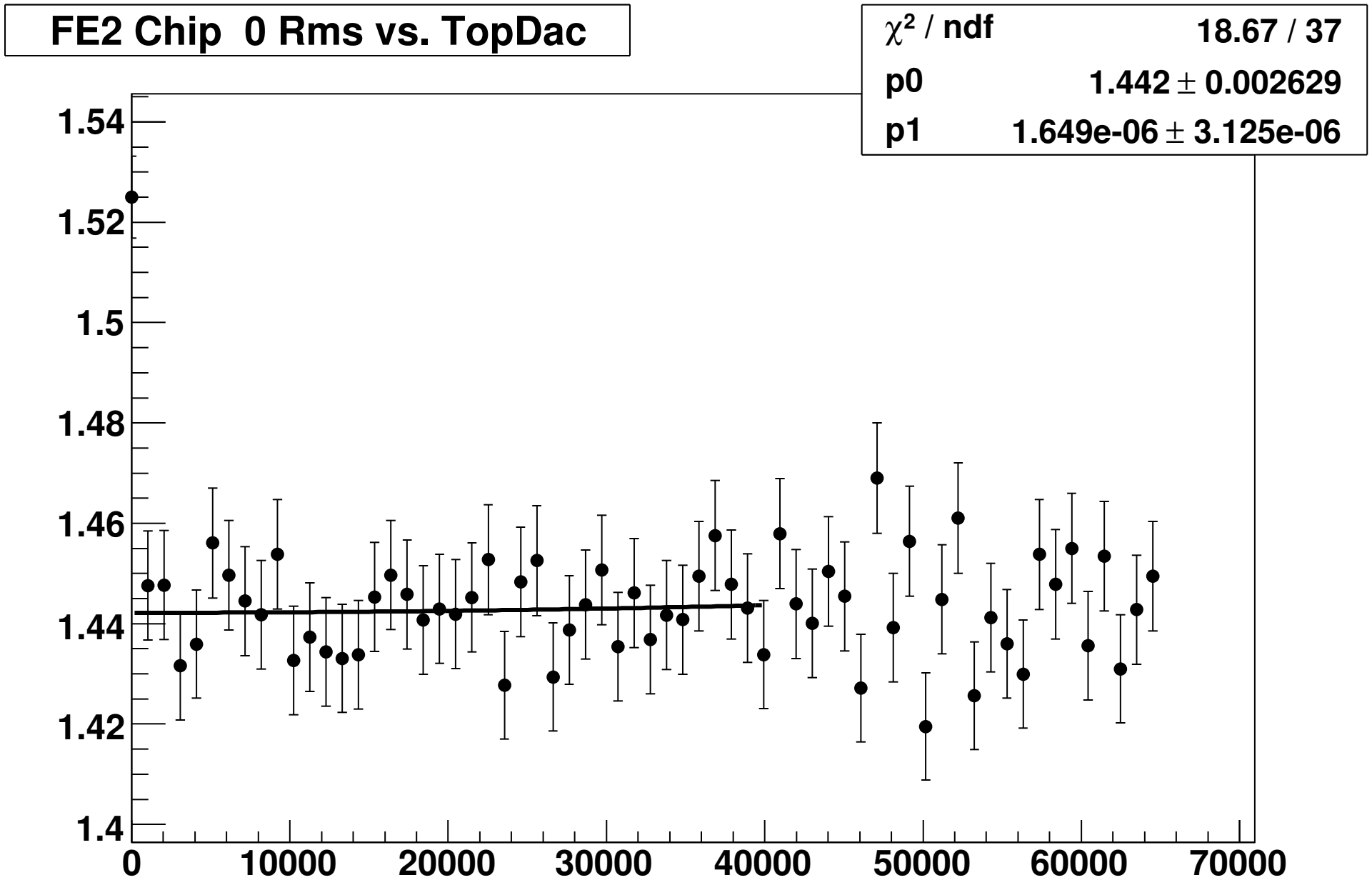
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 651.4 / 37
p0 54.98 ± 0.004999
p1 7.186e-08 ± 2.128e-07
55.15
55.1
55.05
55
54.95
54.9
54.85
54.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 18.67 / 37
p0 1.442 ± 0.002629
p1 1.649e-06 ± 3.125e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
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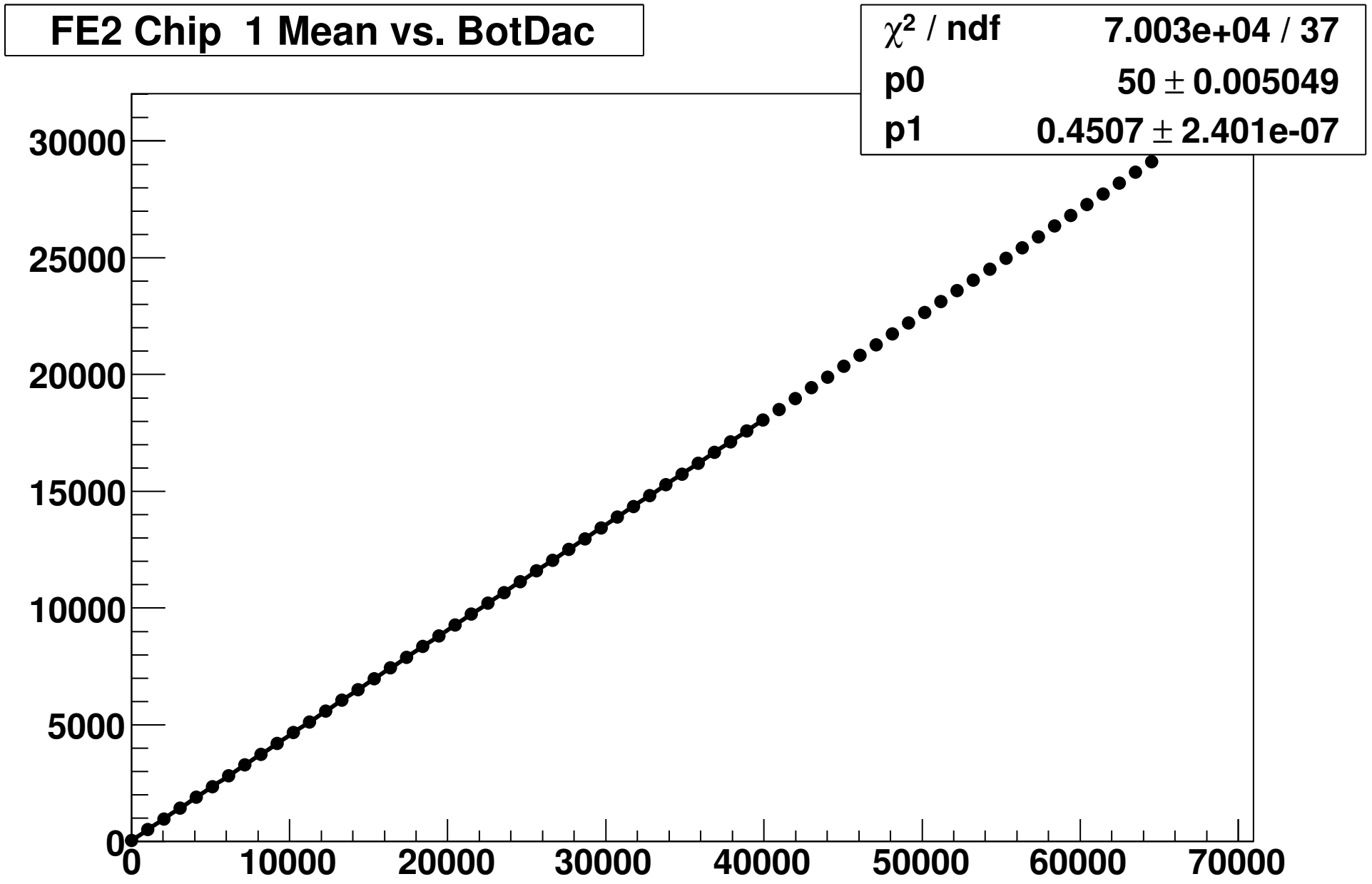
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 7.003e+04 / 37
p0 50 ± 0.005049
p1 0.4507 ± 2.401e-07
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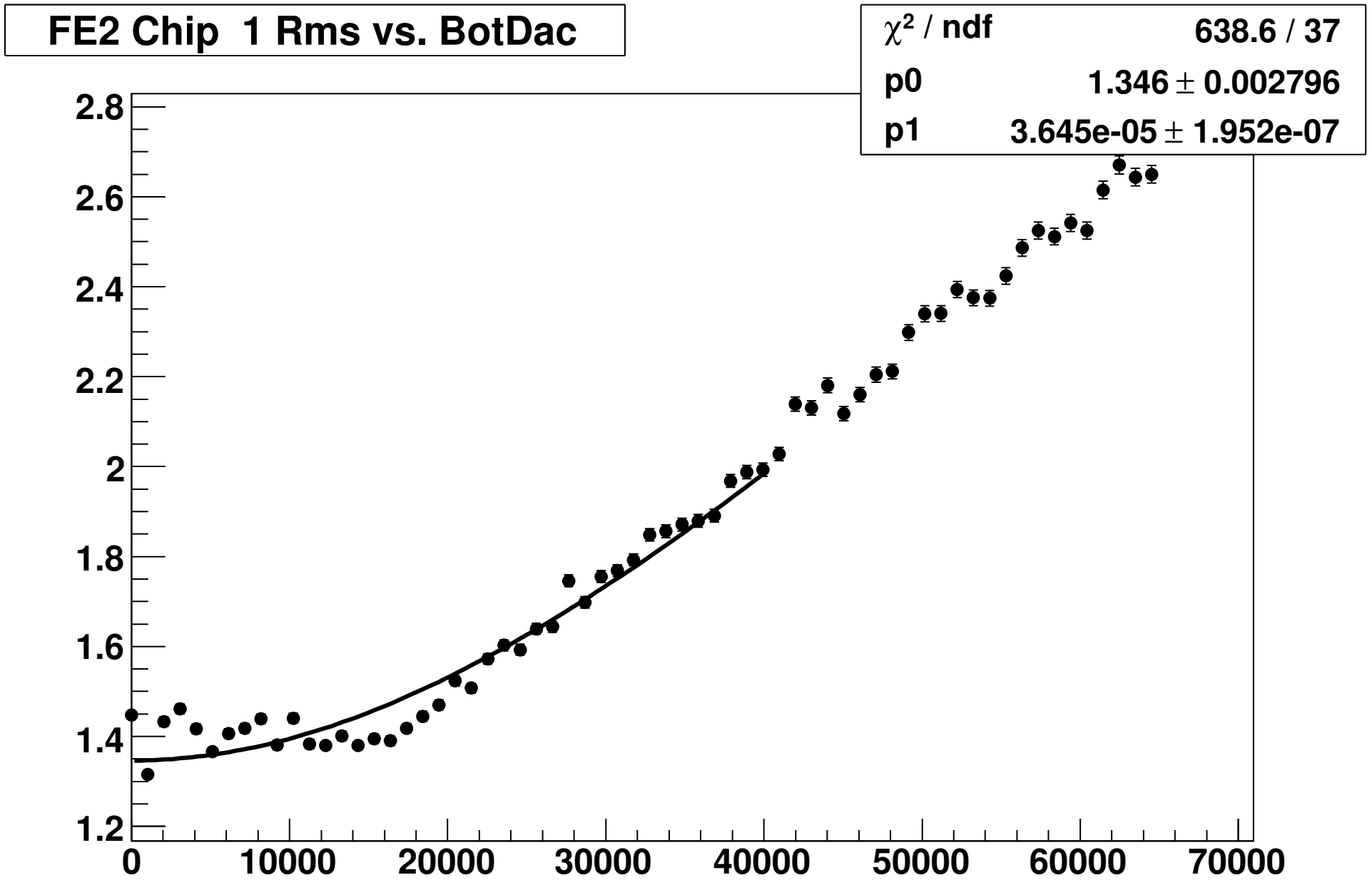
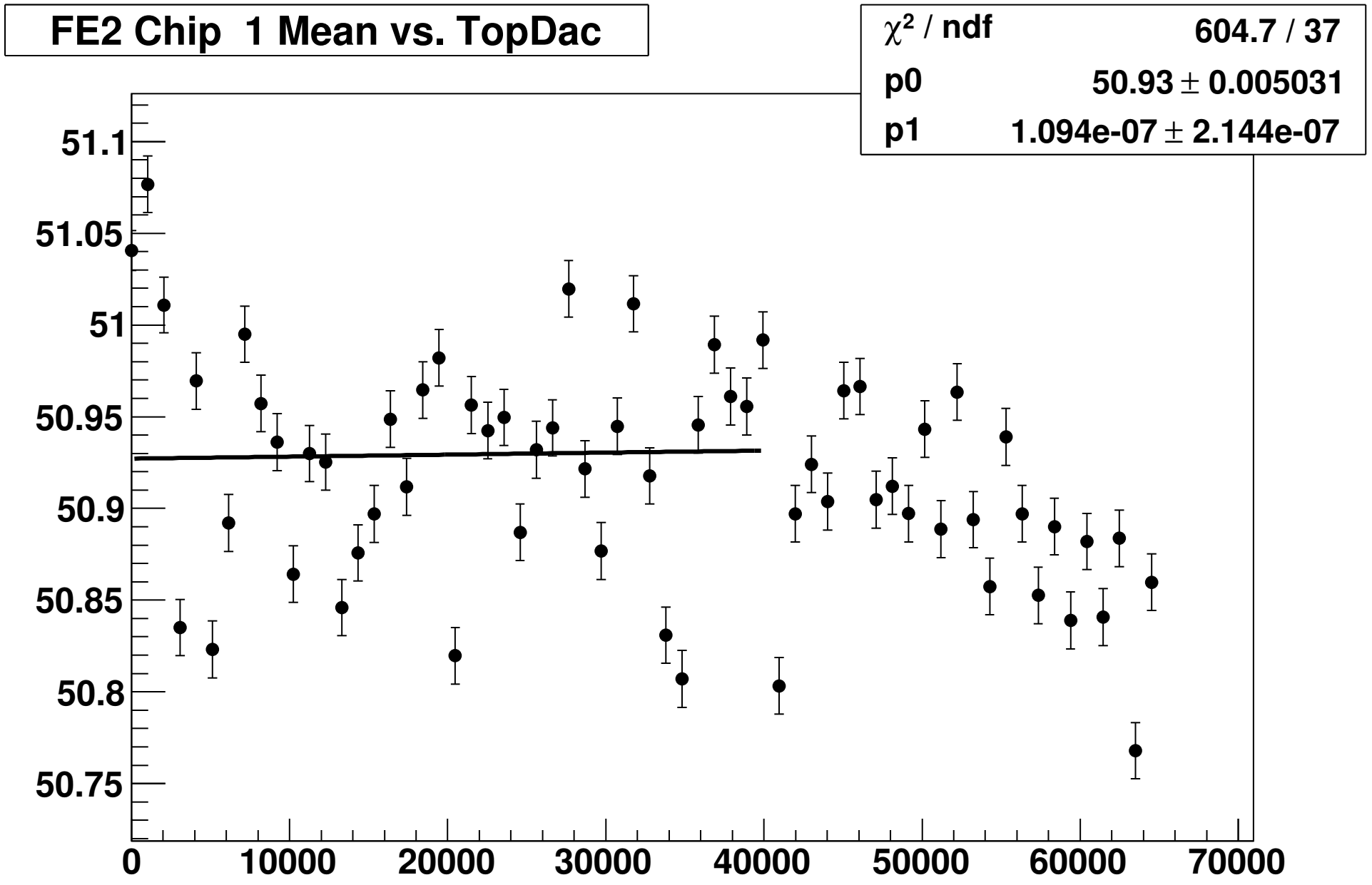
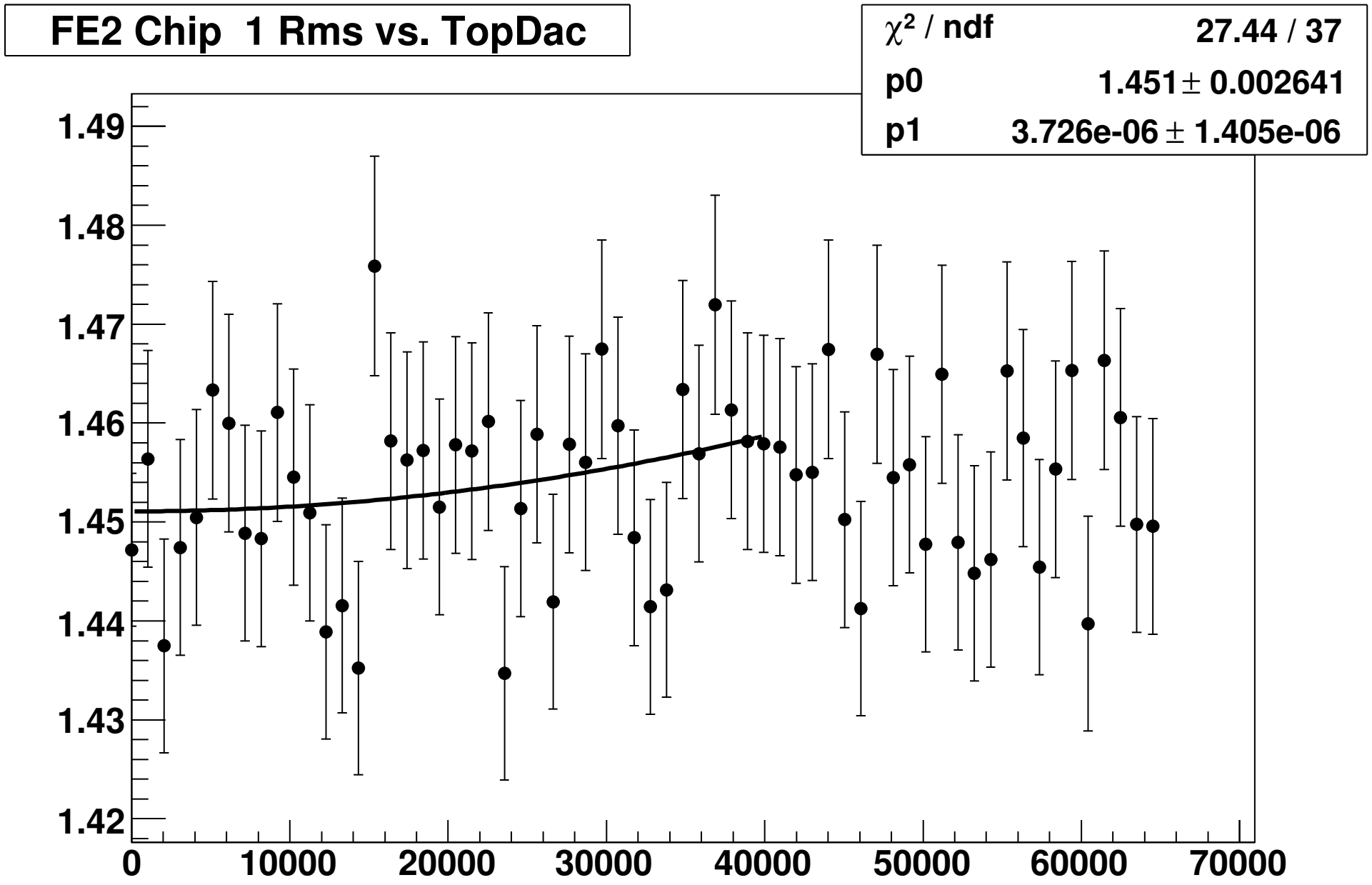
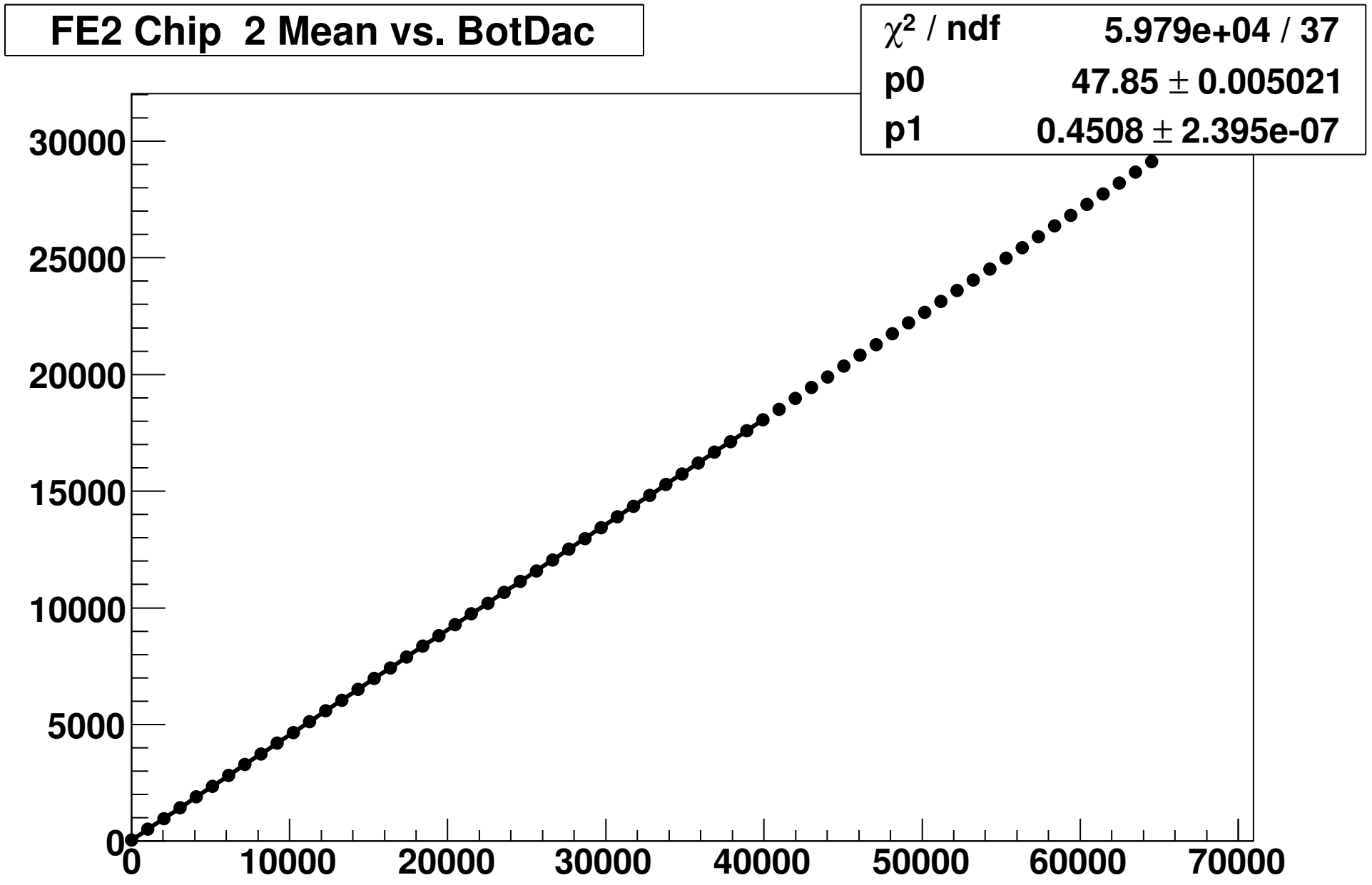
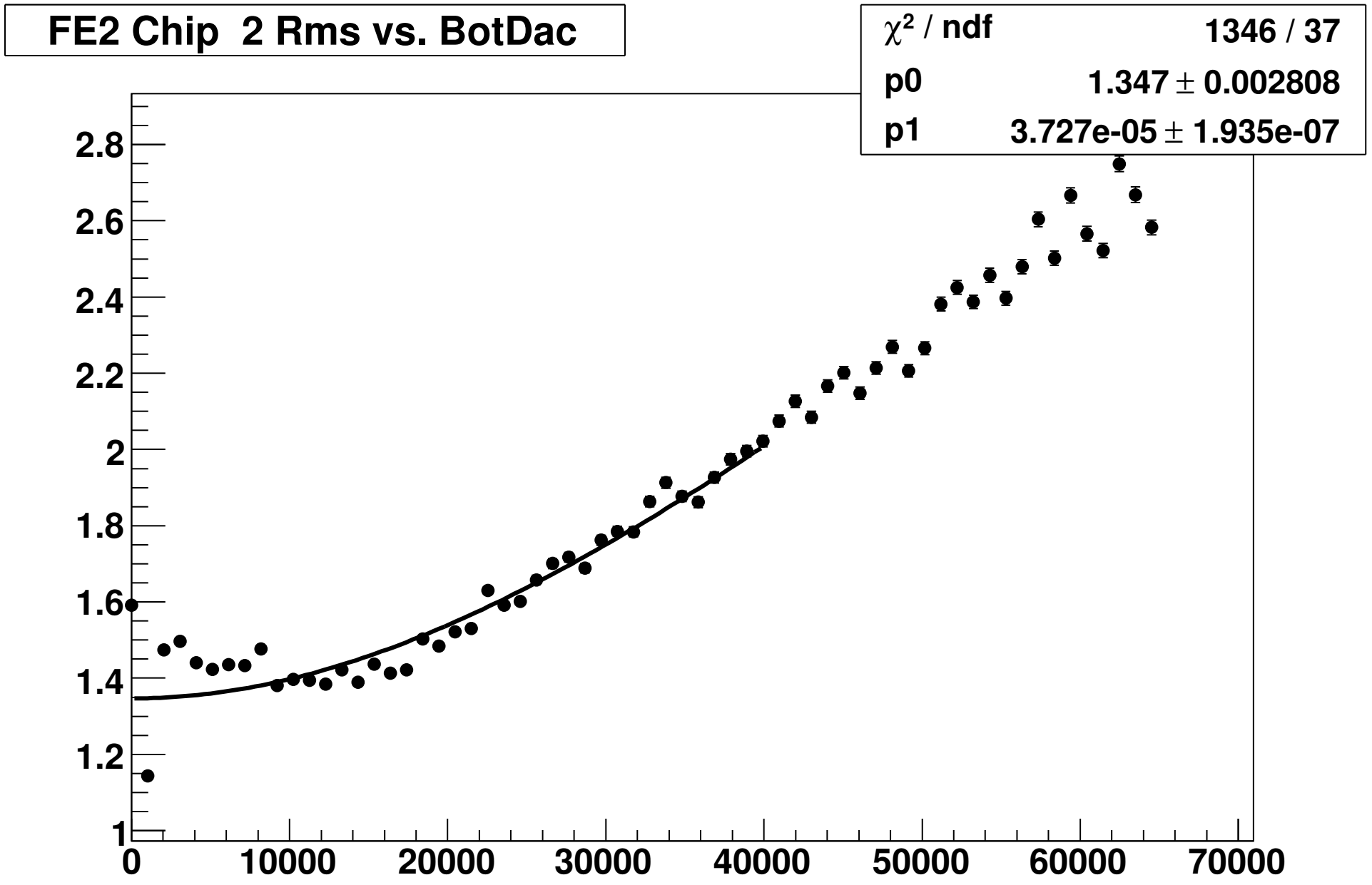
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

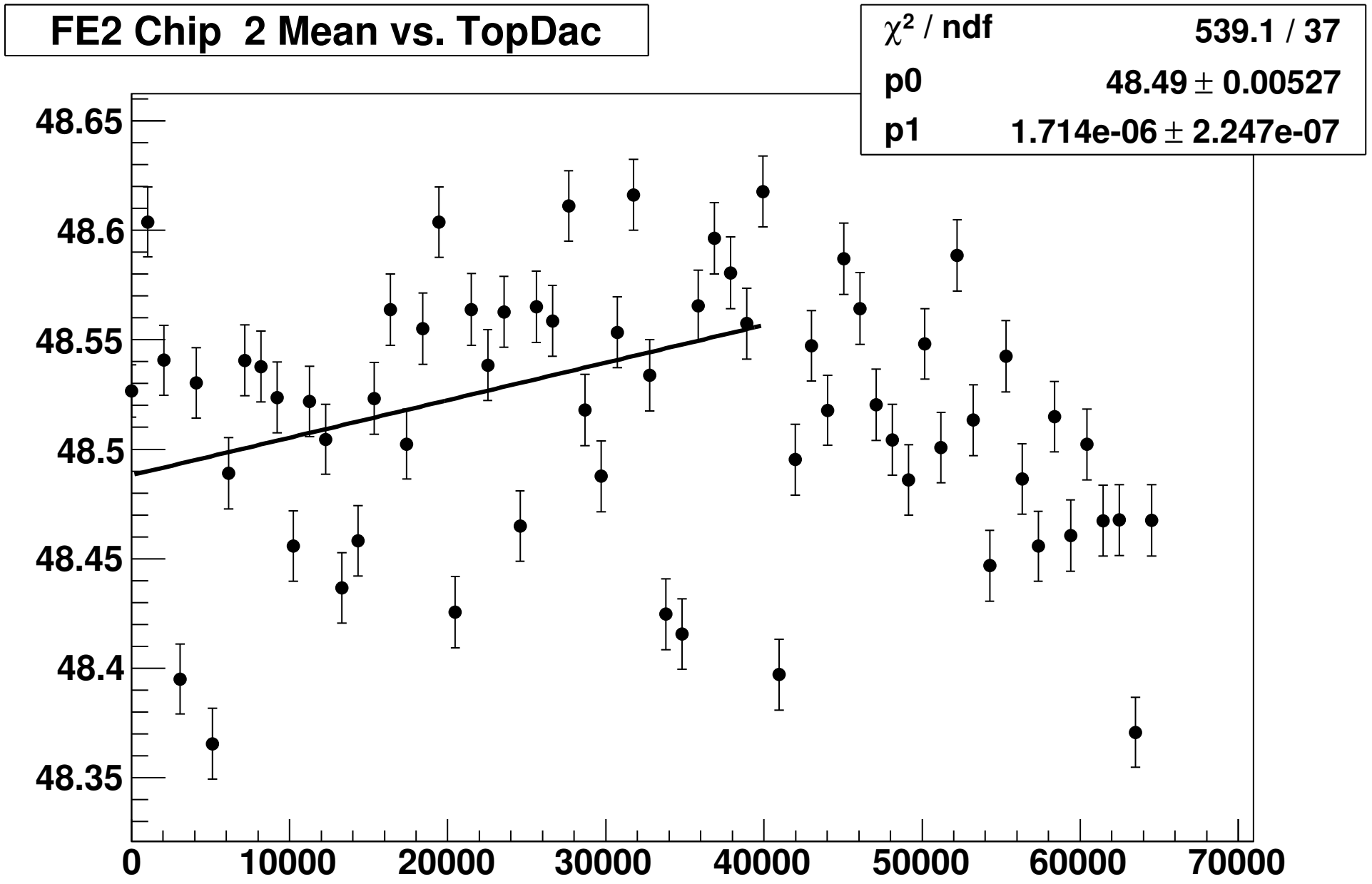

FE2 Chip 1 Rms vs. BotDac
χ² / ndf 638.6 / 37
p0 1.346 ± 0.002796
p1 3.645e-05 ± 1.952e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

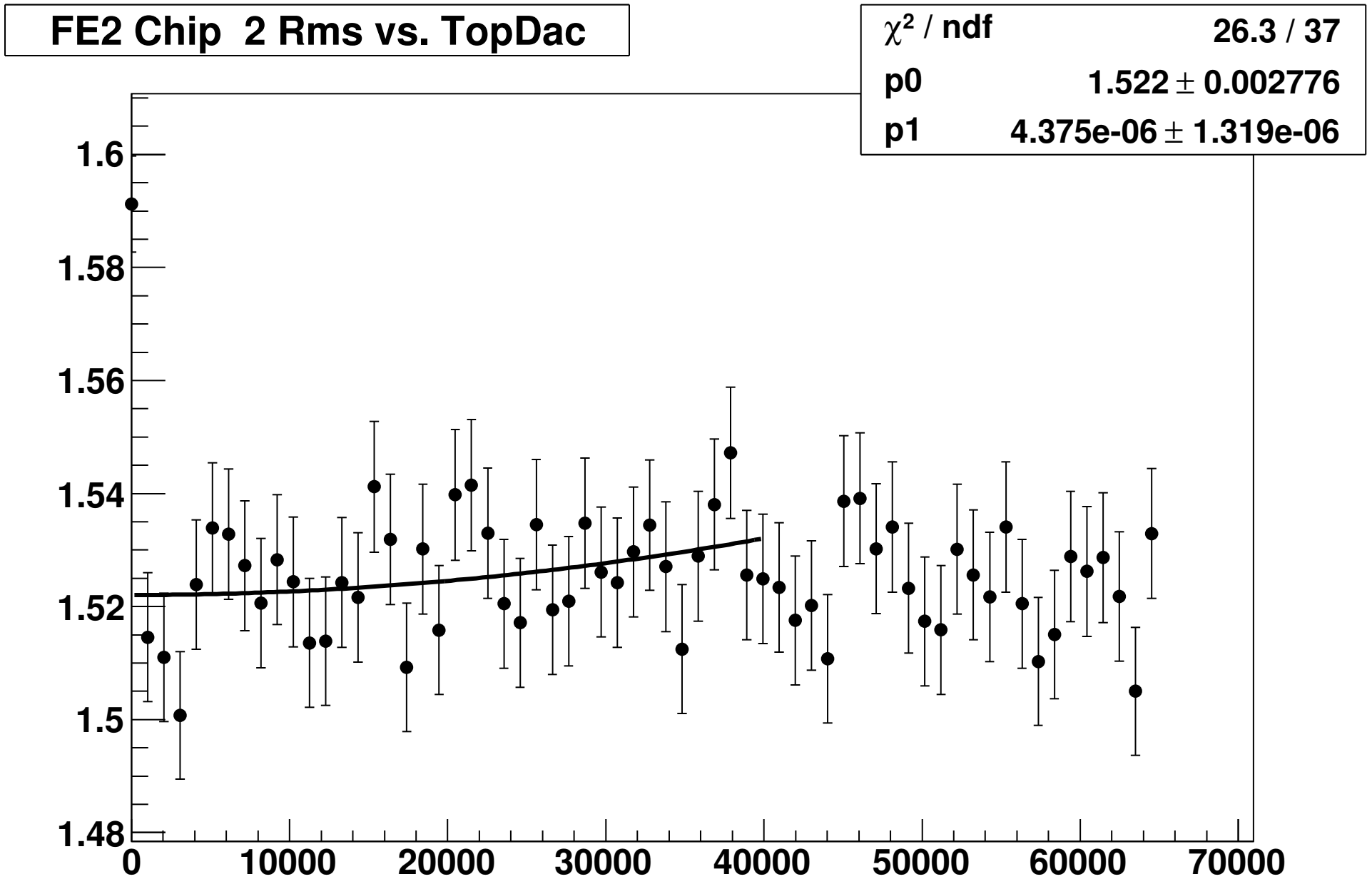

FE2 Chip 1 Mean vs. TopDac
χ² / ndf 604.7 / 37
p0 50.93 ± 0.005031
p1 1.094e-07 ± 2.144e-07
51.1
51.05
51
50.95
50.9
50.85
50.8
50.75
0
10000
20000
30000
40000
50000
60000
70000

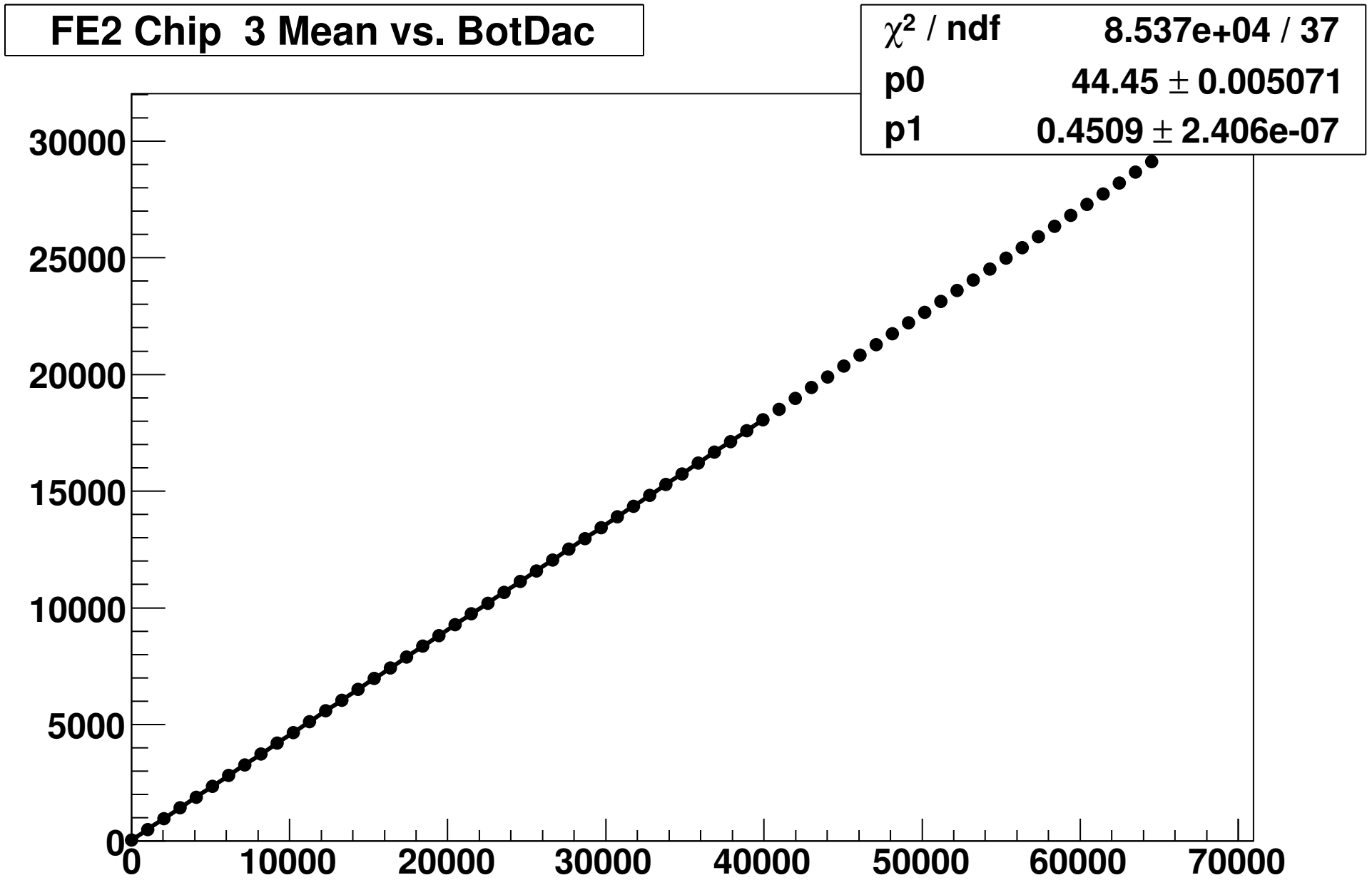

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 27.44 / 37
p0 1.451 ± 0.002641
p1 3.726e-06 ± 1.405e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

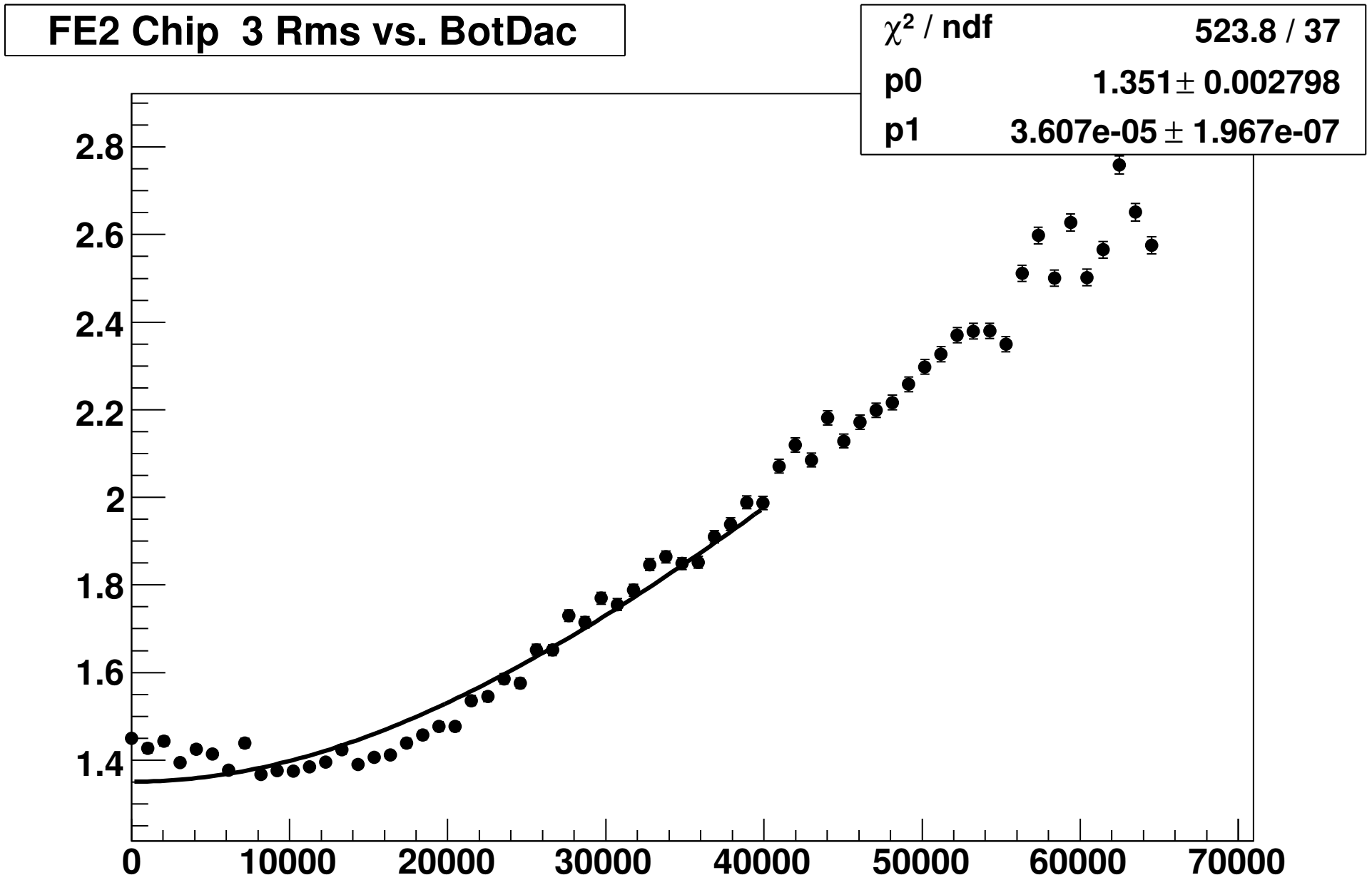

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 5.979e+04 / 37
p0 47.85 ± 0.005021
p1 0.4508 ± 2.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

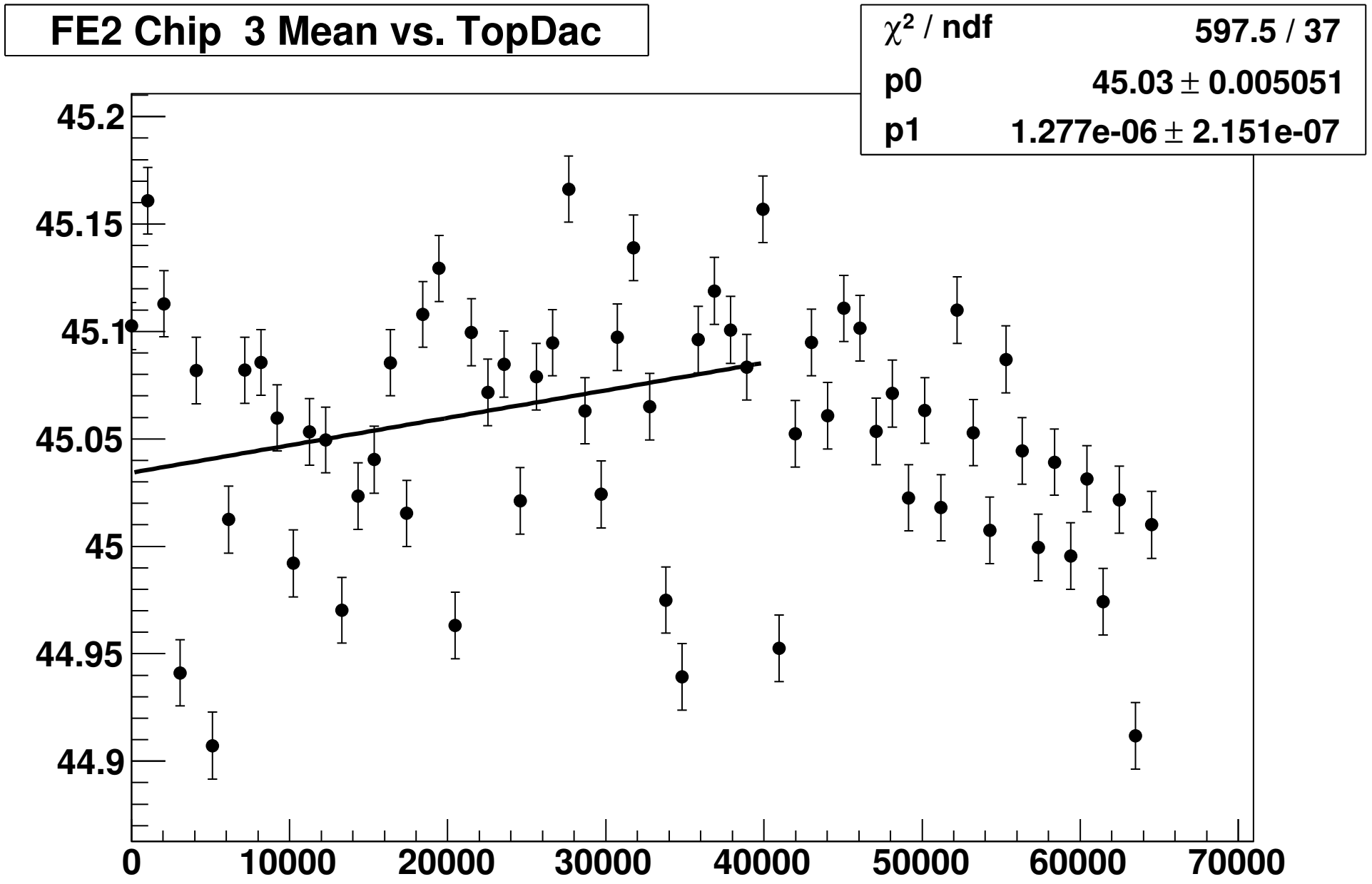

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 1346 / 37
p0 1.347 ± 0.002808
p1 3.727e-05 ± 1.935e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000

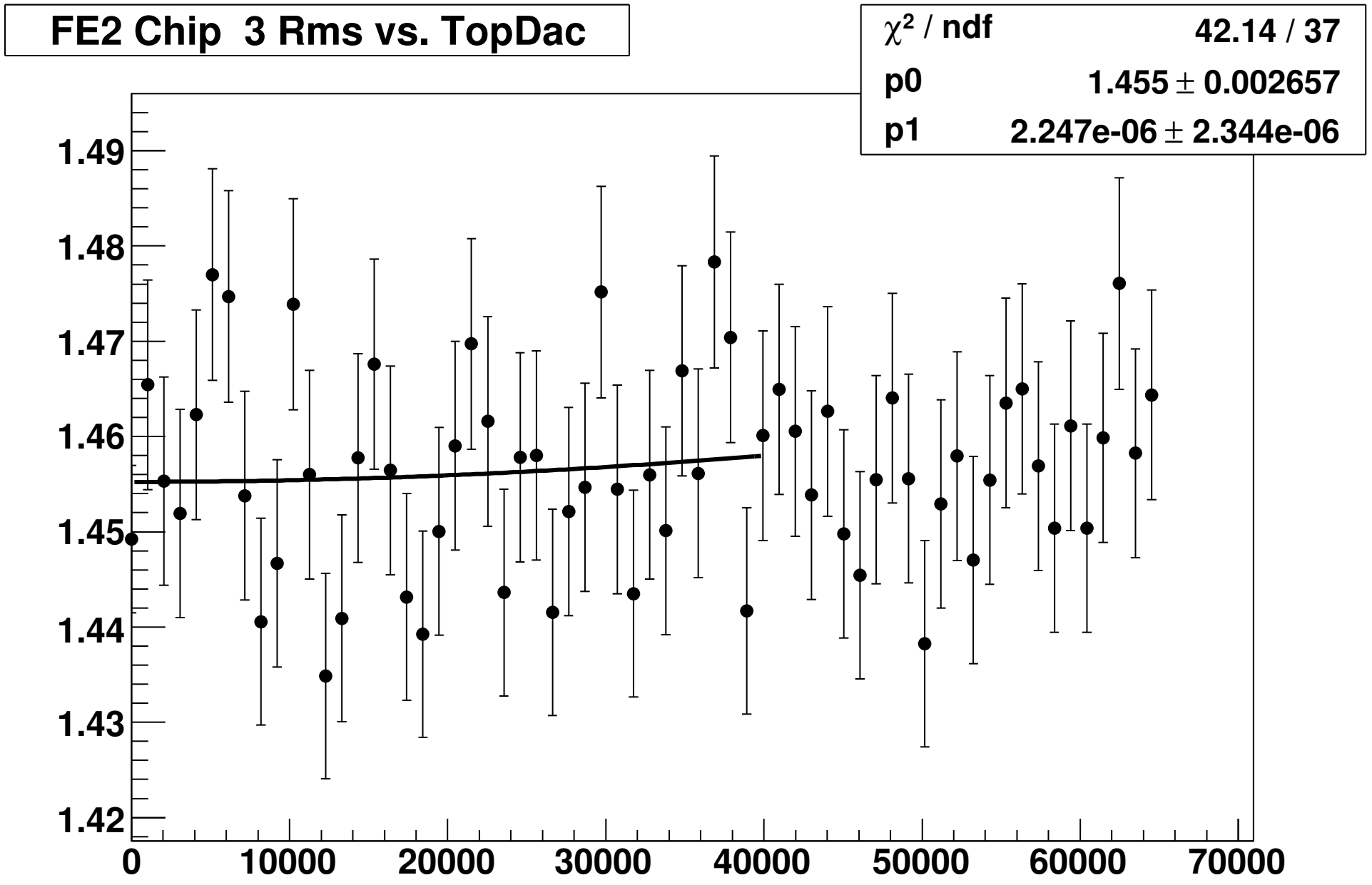

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 539.1 / 37
p0 48.49 ± 0.00527
p1 1.714e-06 ± 2.247e-07
48.65
48.6
48.55
48.5
48.45
48.4
48.35
0
10000
20000
30000
40000
50000
60000
70000

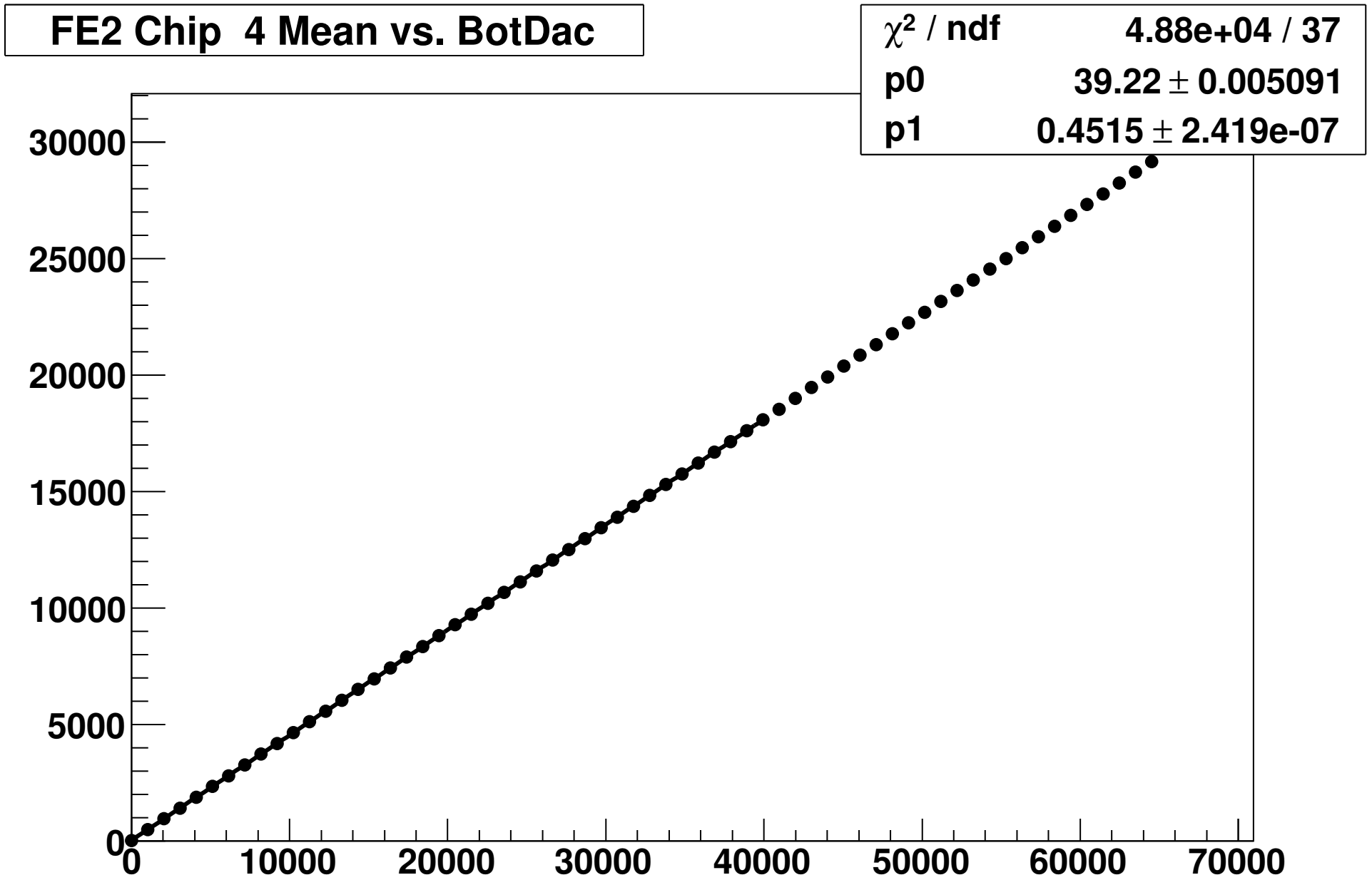

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 26.3 / 37
p0 1.522 ± 0.002776
p1 4.375e-06 ± 1.319e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

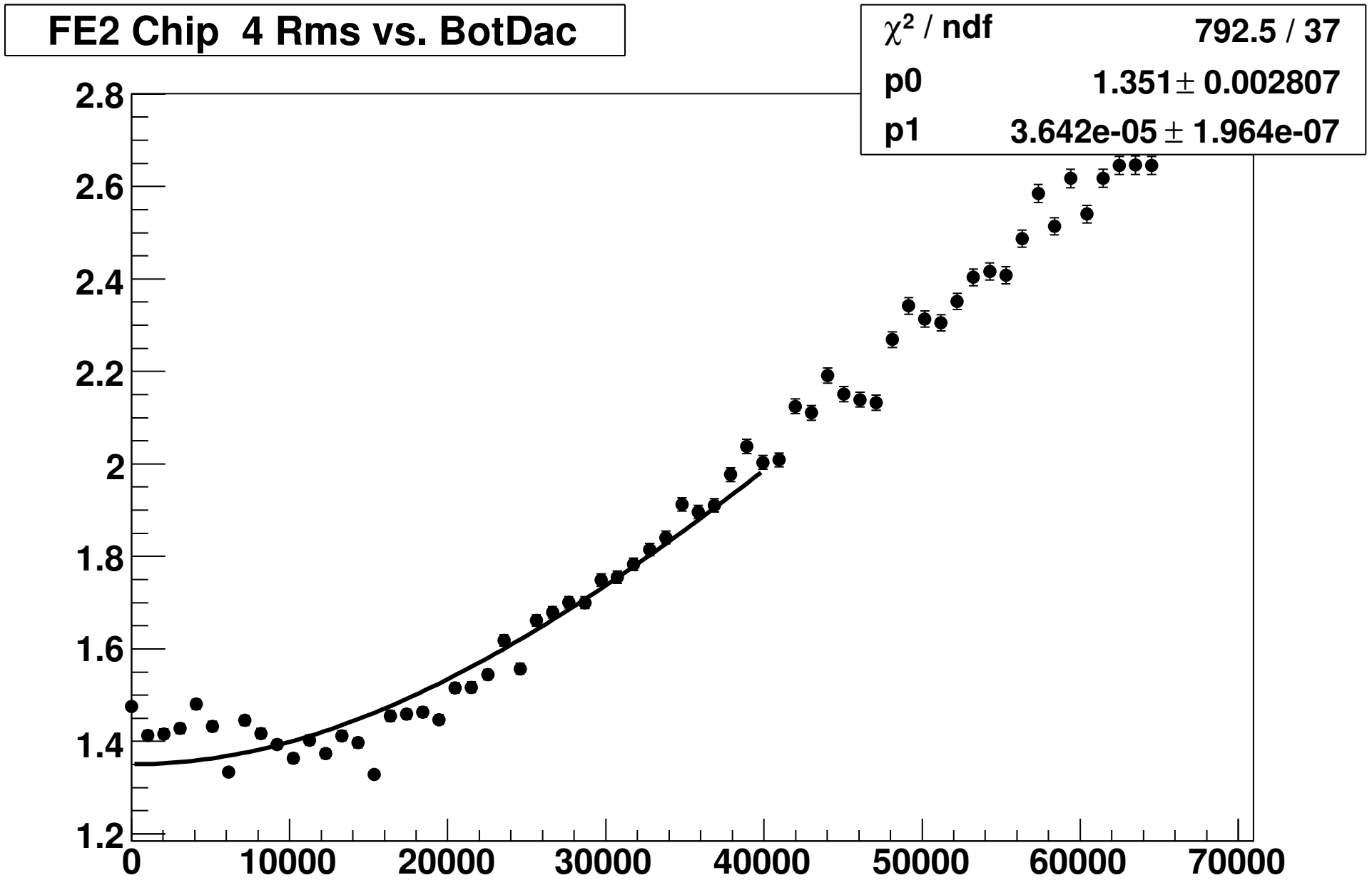

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 8.537e+04 / 37
p0 44.45 ± 0.005071
p1 0.4509 ± 2.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

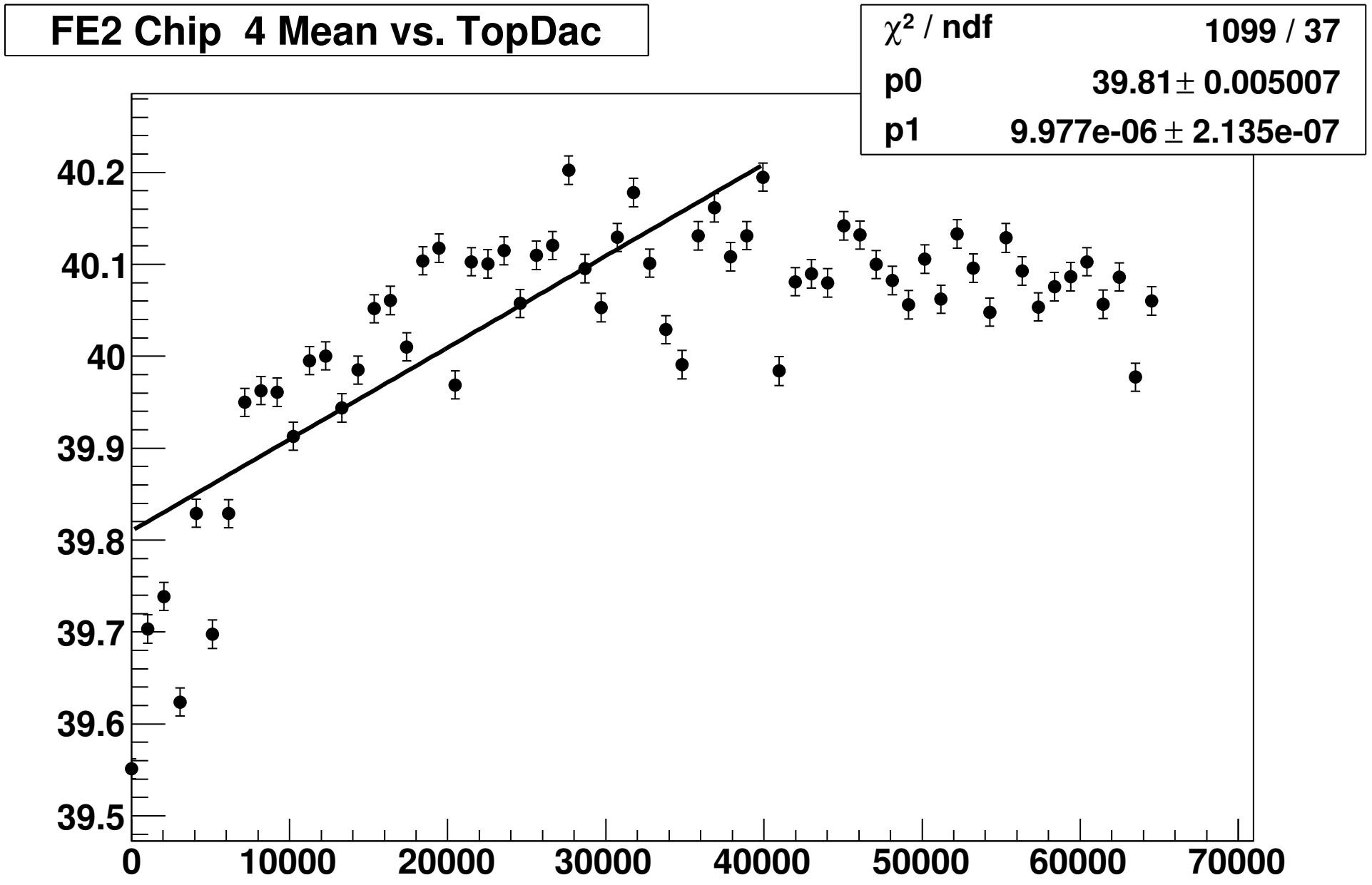

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 523.8 / 37
p0 1.351 ± 0.002798
p1 3.607e-05 ± 1.967e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

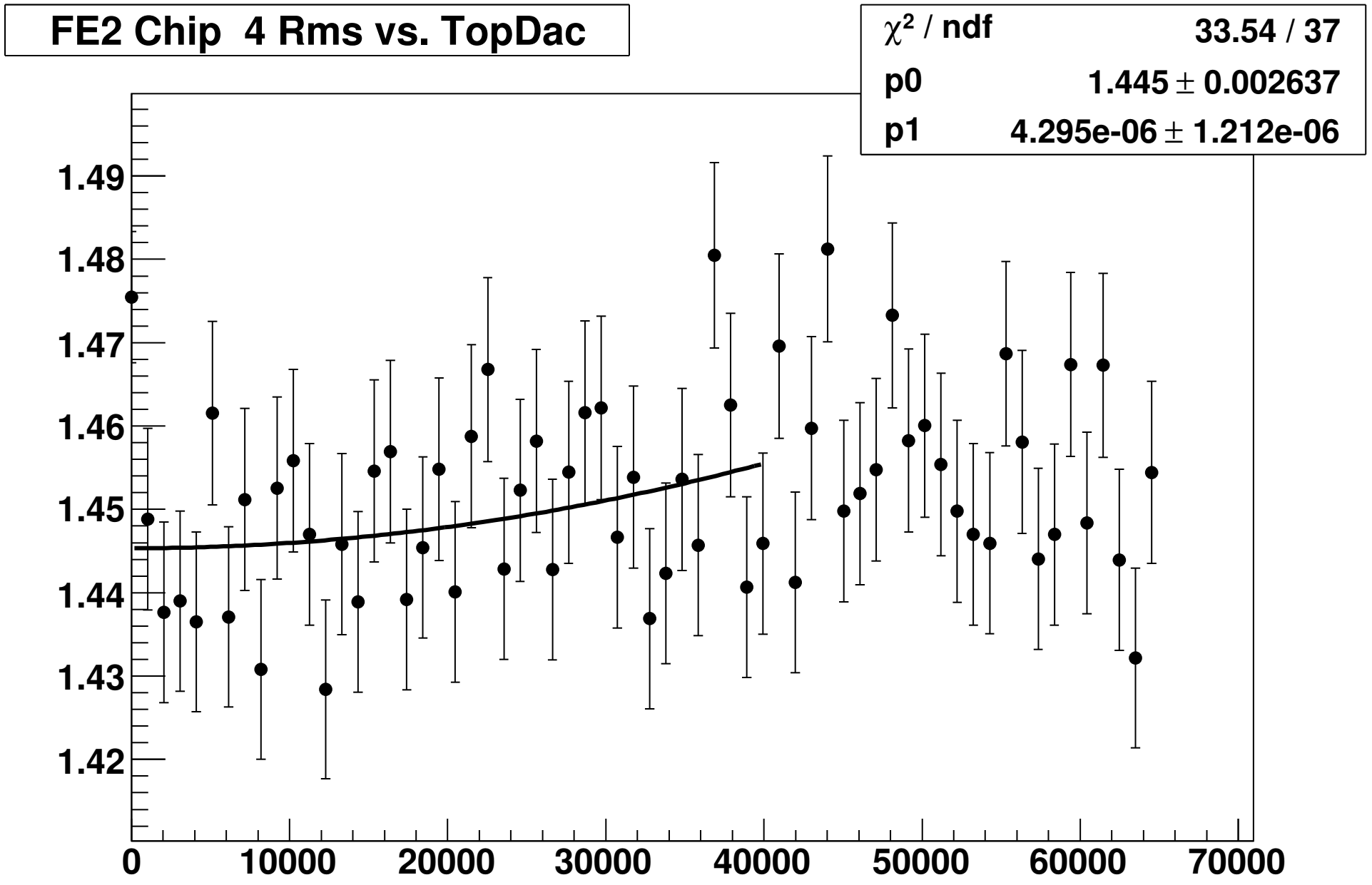

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 597.5 / 37
p0 45.03 ± 0.005051
p1 1.277e-06 ± 2.151e-07
45.2
45.15
45.1
45.05
45
44.95
44.9
0
10000
20000
30000
40000
50000
60000
70000

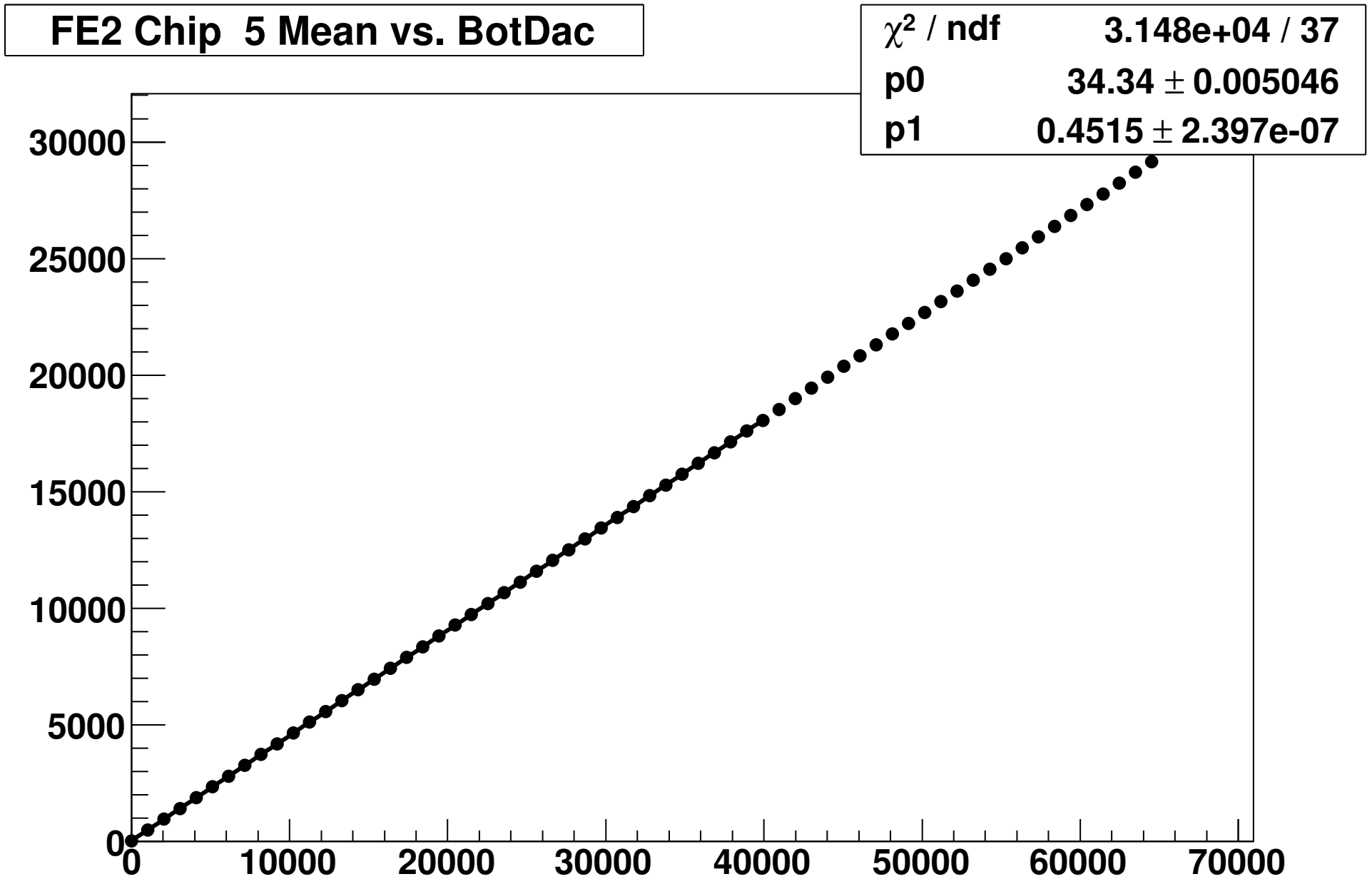

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 42.14 / 37
p0 1.455 ± 0.002657
p1 2.247e-06 ± 2.344e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

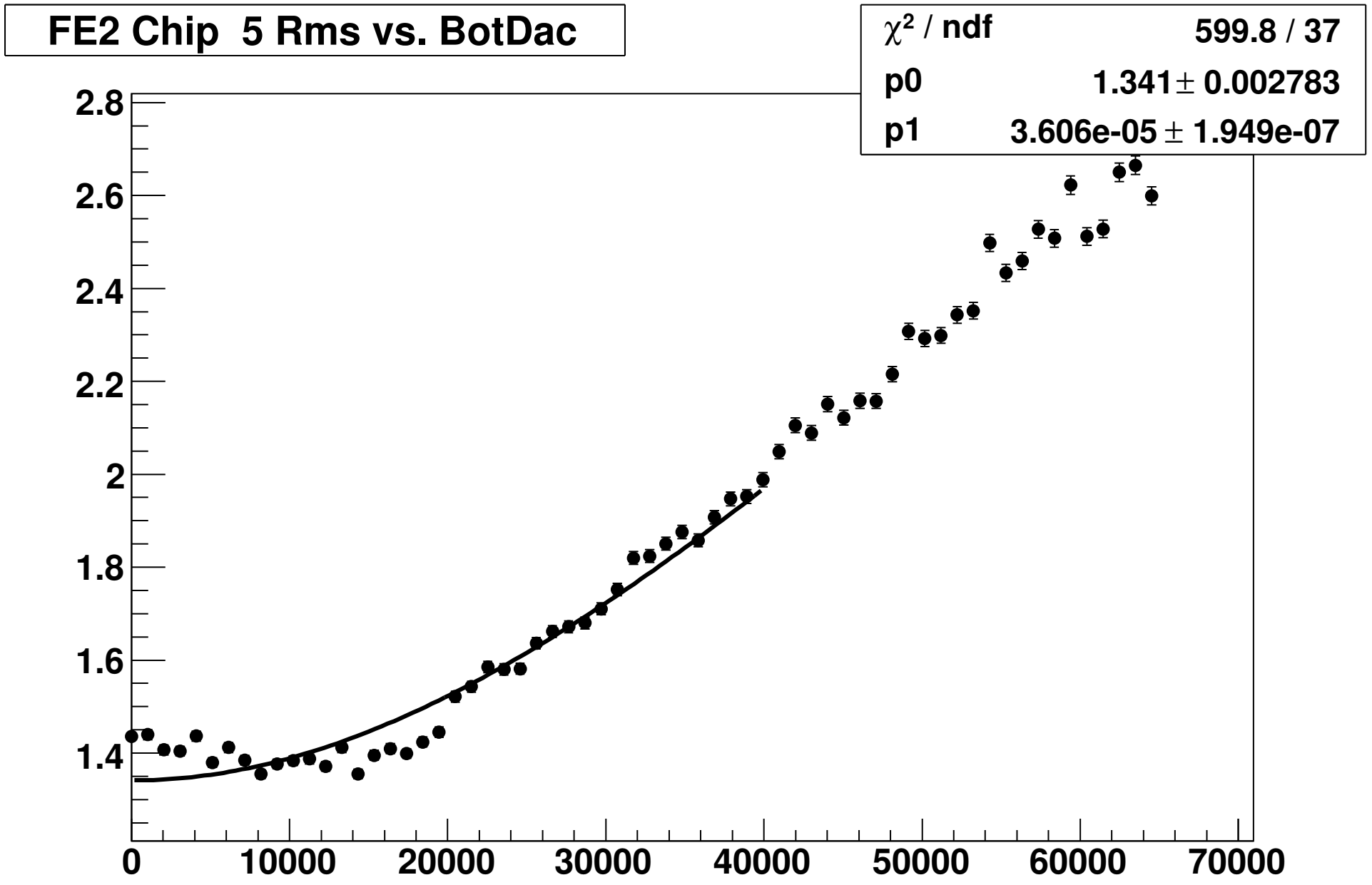

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 4.88e+04 / 37
p0 39.22 ± 0.005091
p1 0.4515 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

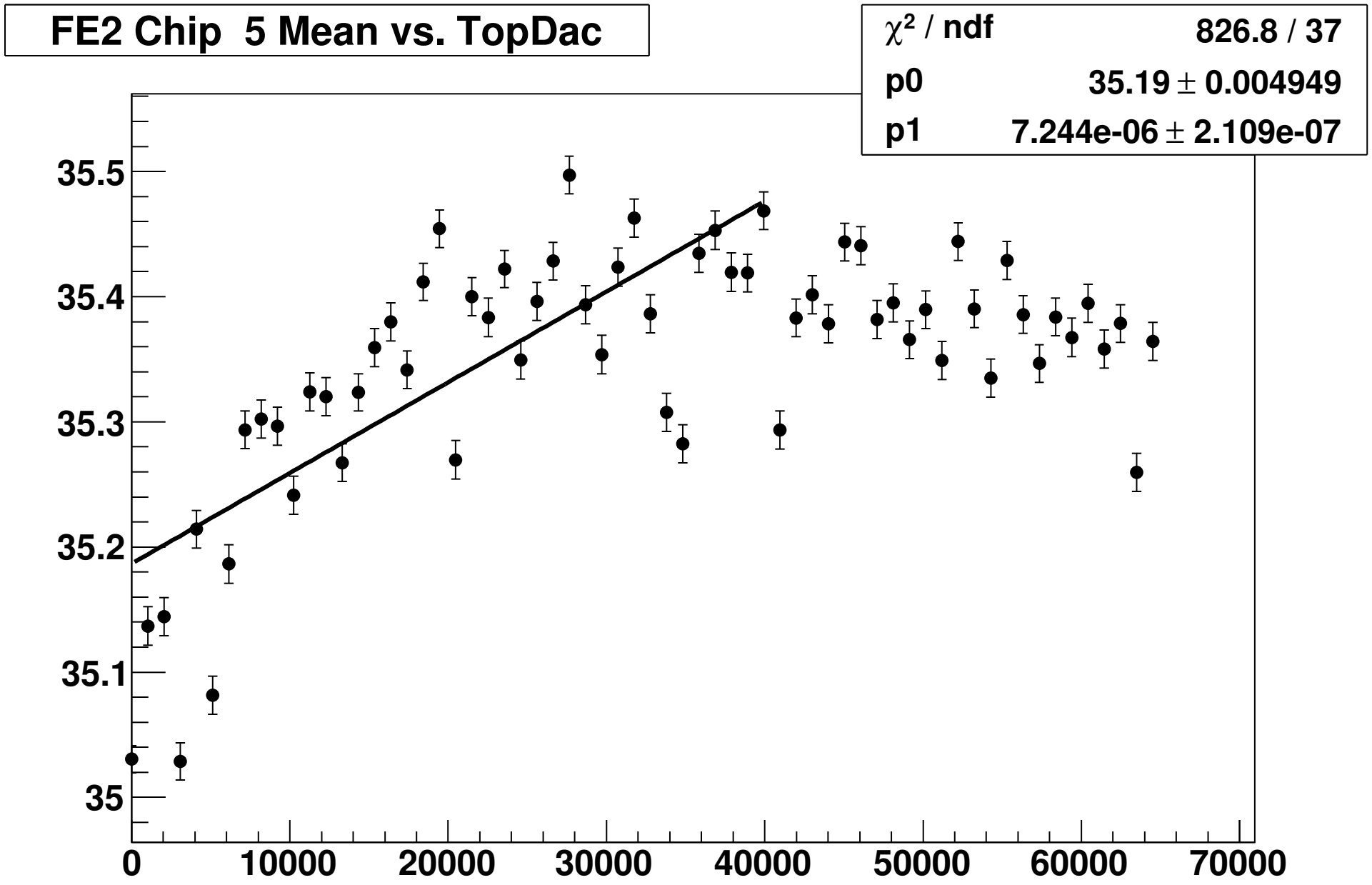

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 792.5 / 37
p0 1.351 ± 0.002807
p1 3.642e-05 ± 1.964e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

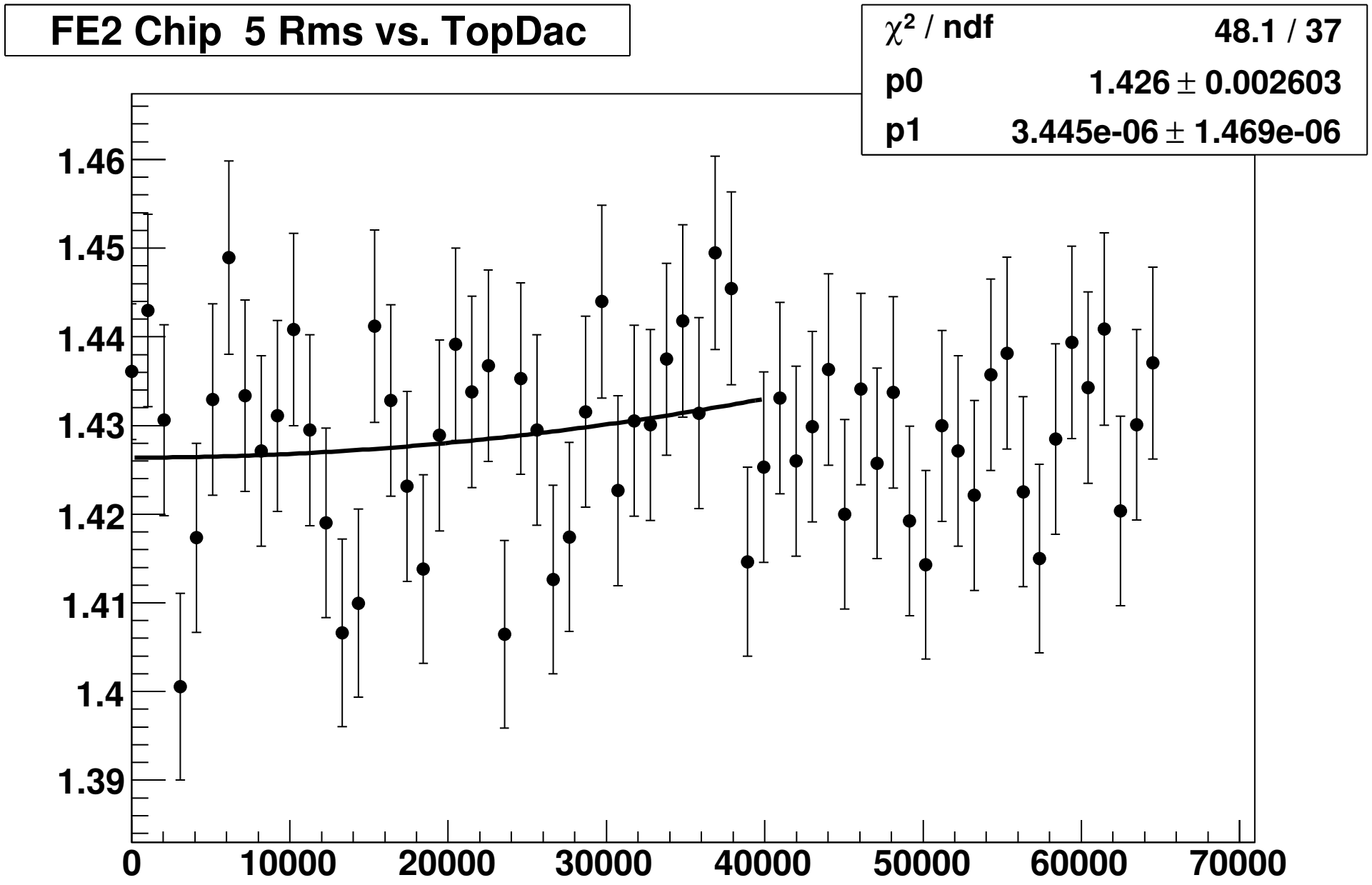

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 1099 / 37
p0 39.81 ± 0.005007
p1 9.977e-06 ± 2.135e-07
40.2
40.1
40
39.9
39.8
39.7
39.6
39.5
0
10000
20000
30000
40000
50000
60000
70000

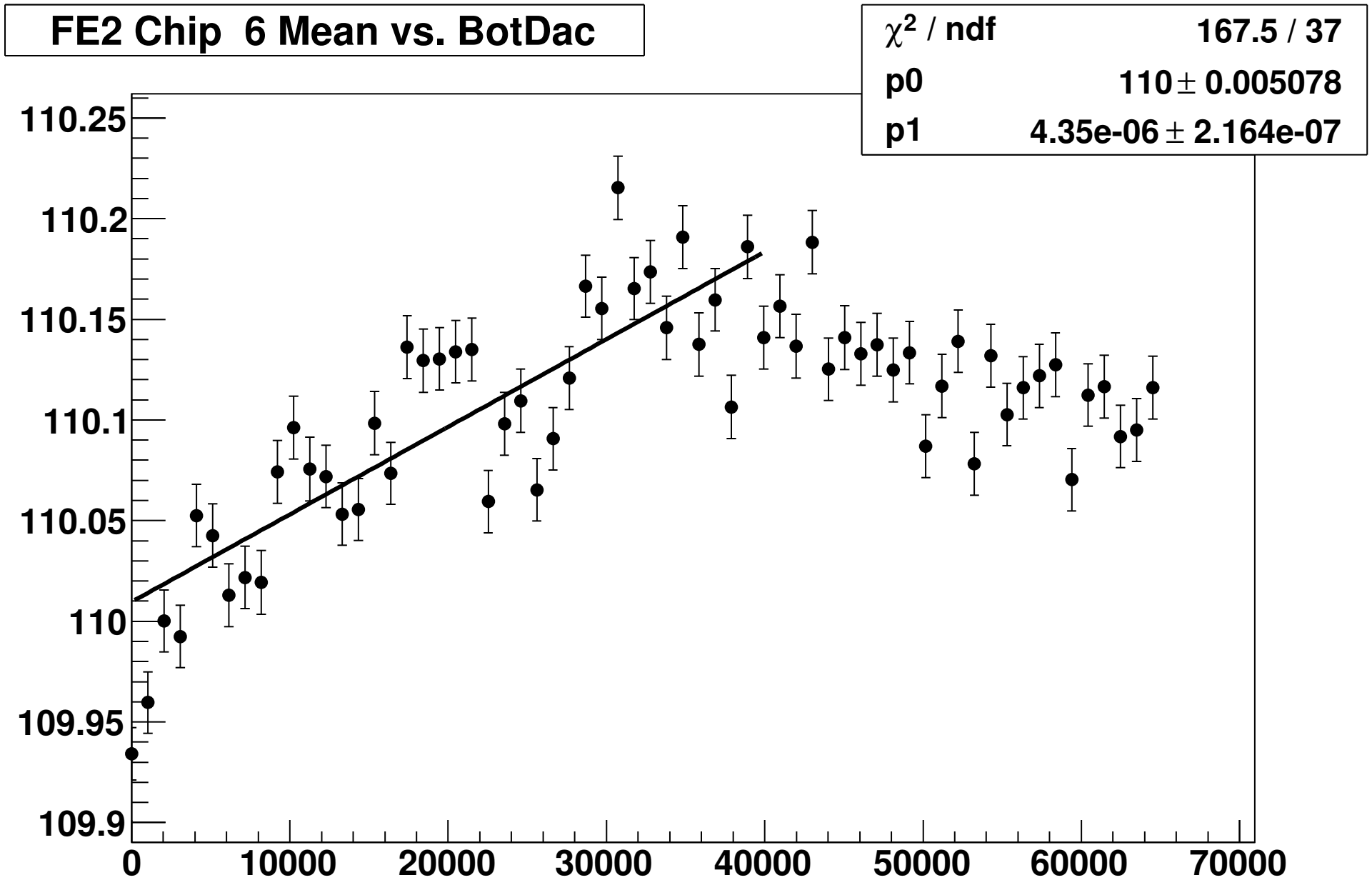

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 33.54 / 37
p0 1.445 ± 0.002637
p1 4.295e-06 ± 1.212e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

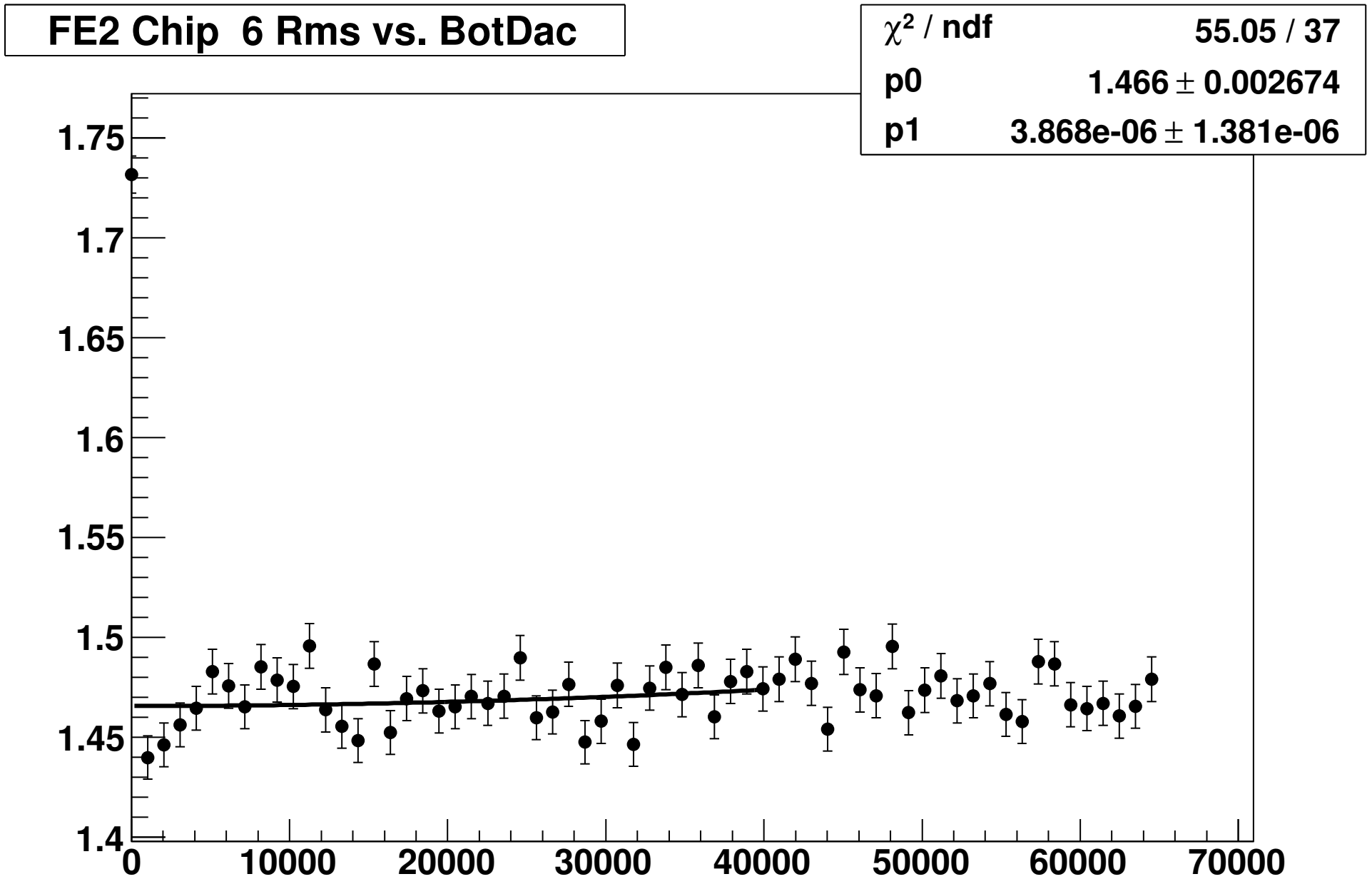

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 3.148e+04 / 37
p0 34.34 ± 0.005046
p1 0.4515 ± 2.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

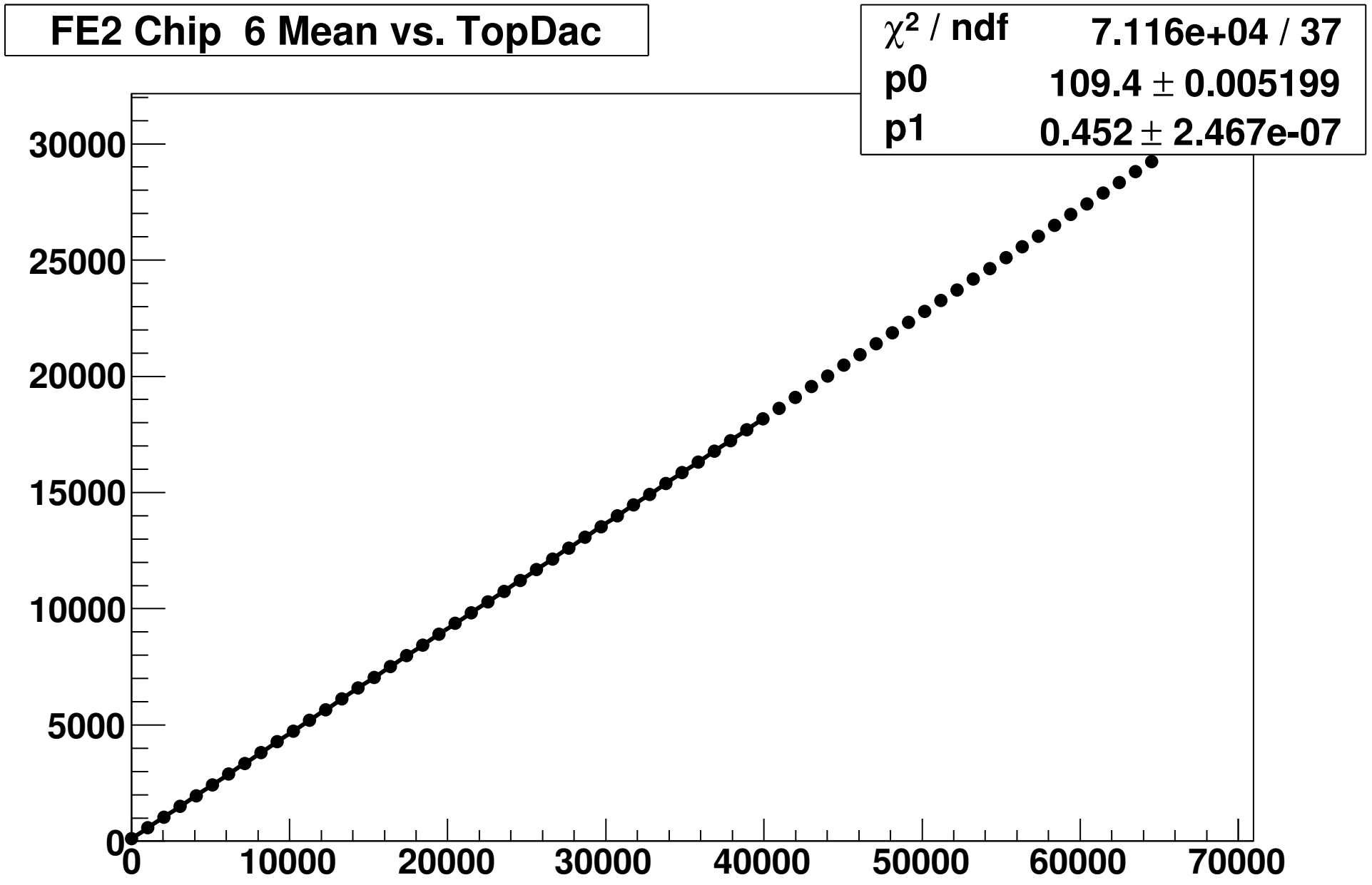

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 599.8 / 37
p0 1.341 ± 0.002783
p1 3.606e-05 ± 1.949e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

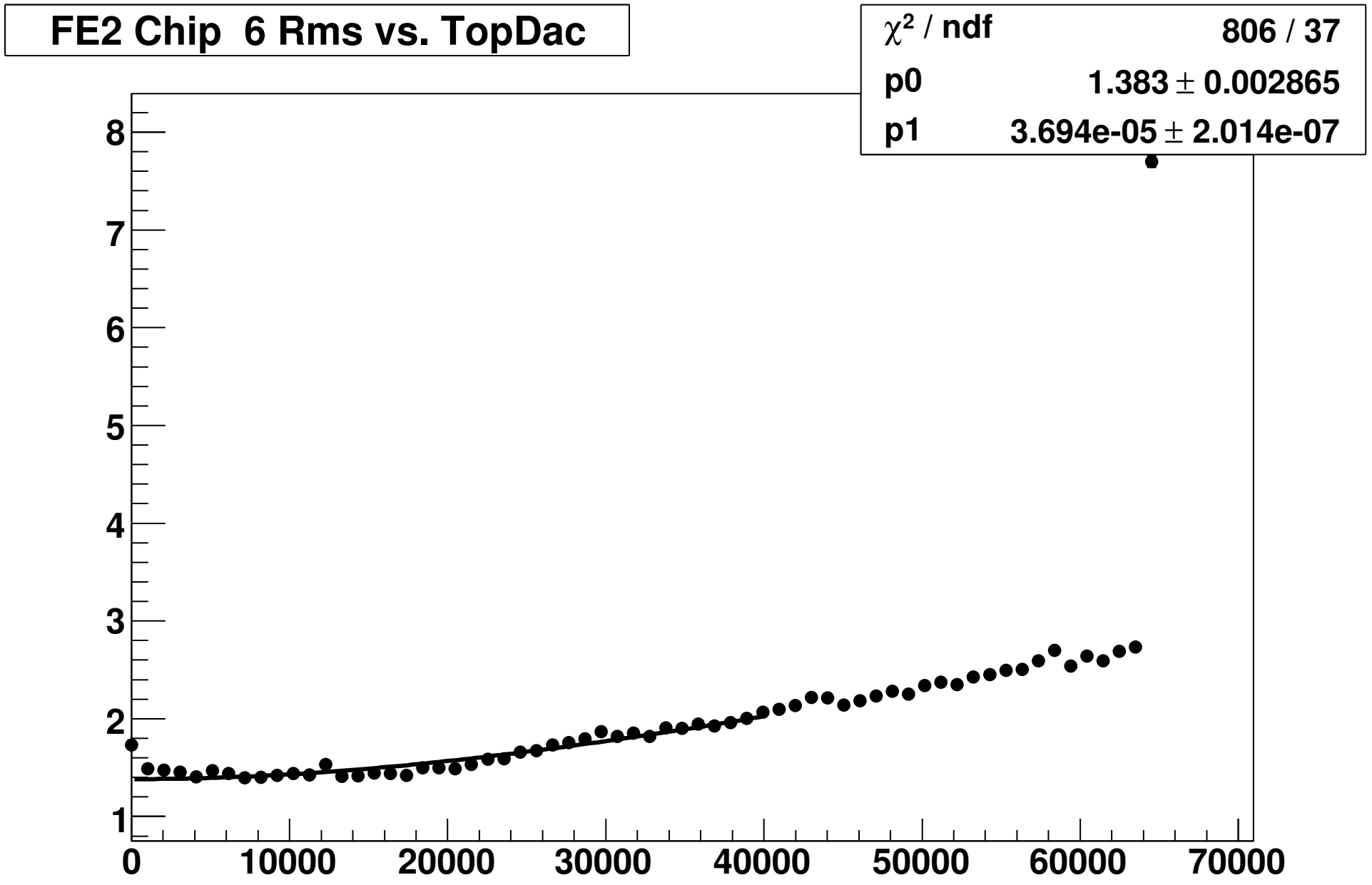

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 826.8 / 37
p0 35.19 ± 0.004949
p1 7.244e-06 ± 2.109e-07
35.5
35.4
35.3
35.2
35.1
35
0
10000
20000
30000
40000
50000
60000
70000

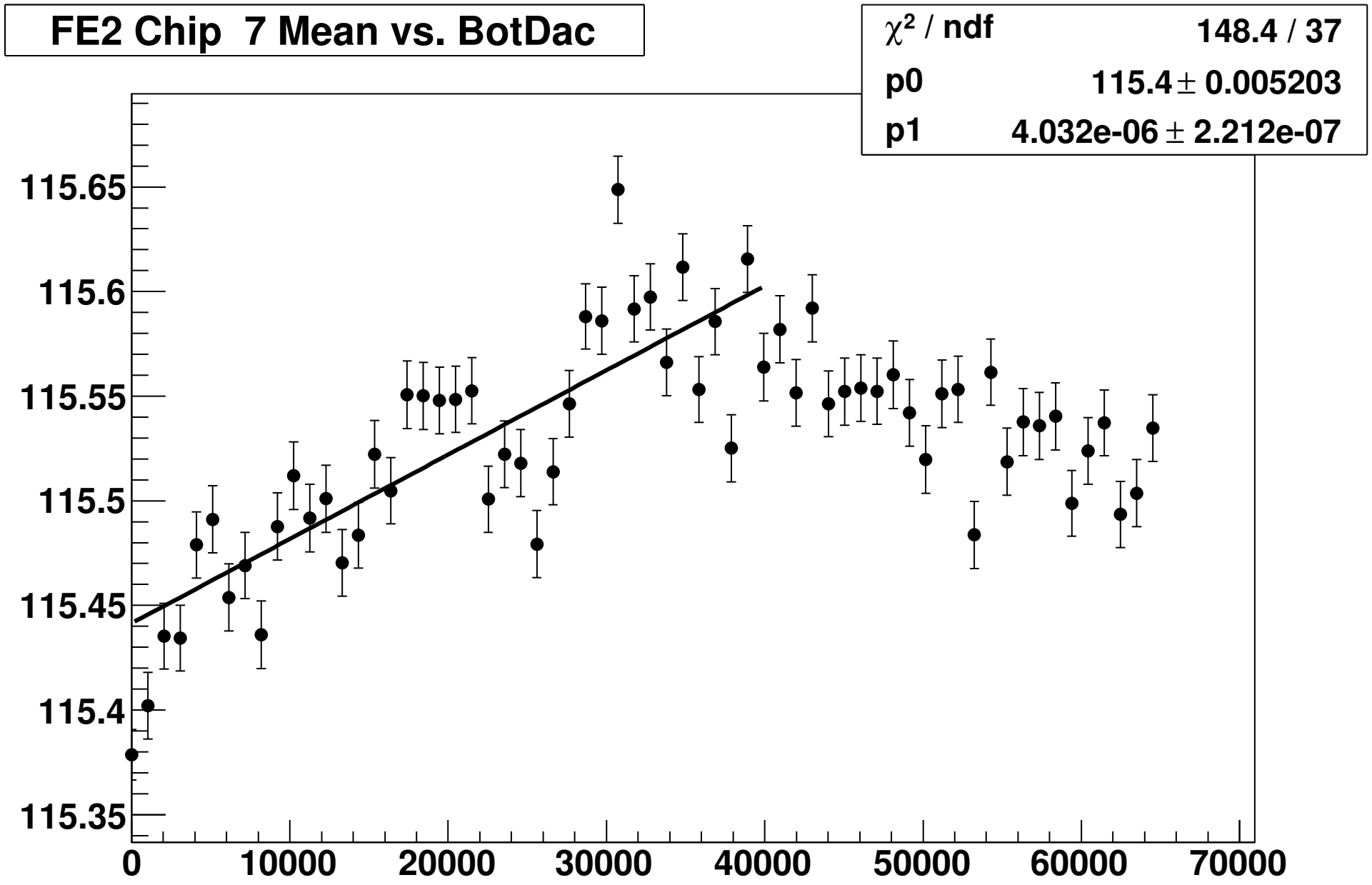

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 48.1 / 37
p0 1.426 ± 0.002603
p1 3.445e-06 ± 1.469e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

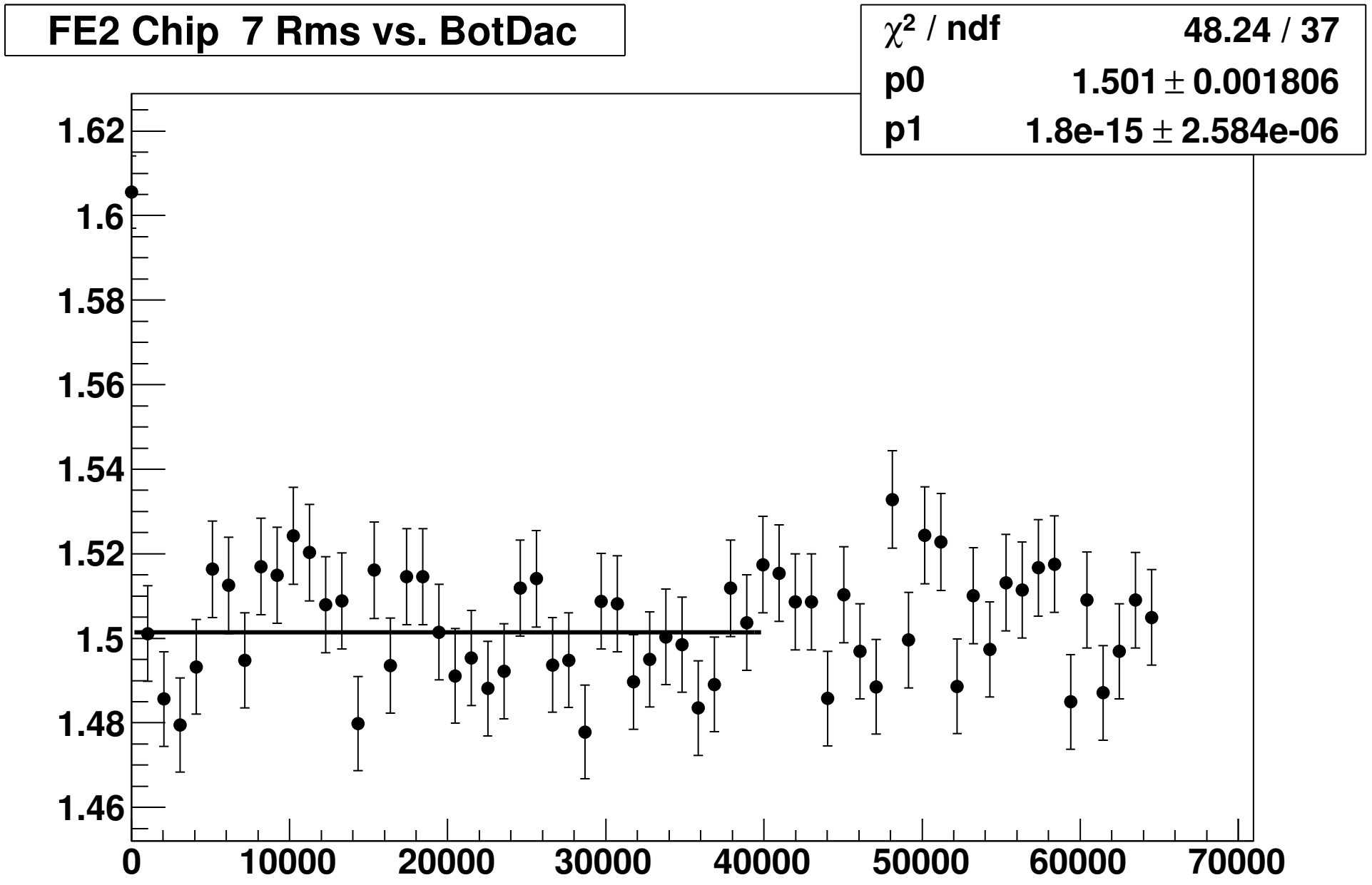

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 167.5 / 37
p0 110 ± 0.005078
p1 4.35e-06 ± 2.164e-07
110.25
110.2
110.15
110.1
110.05
110
109.95
109.9
0
10000
20000
30000
40000
50000
60000
70000

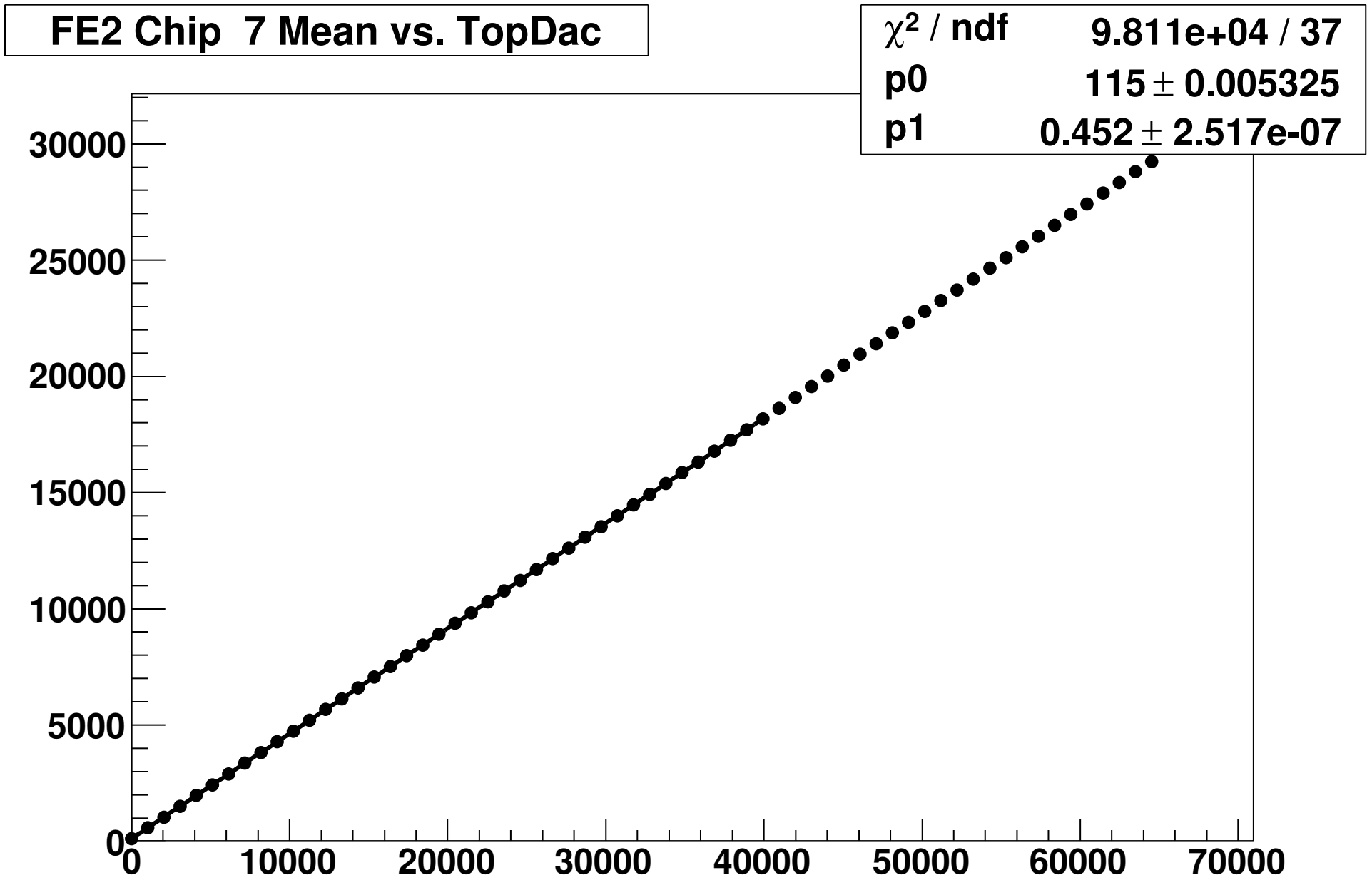

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 55.05 / 37
p0 1.466 ± 0.002674
p1 3.868e-06 ± 1.381e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

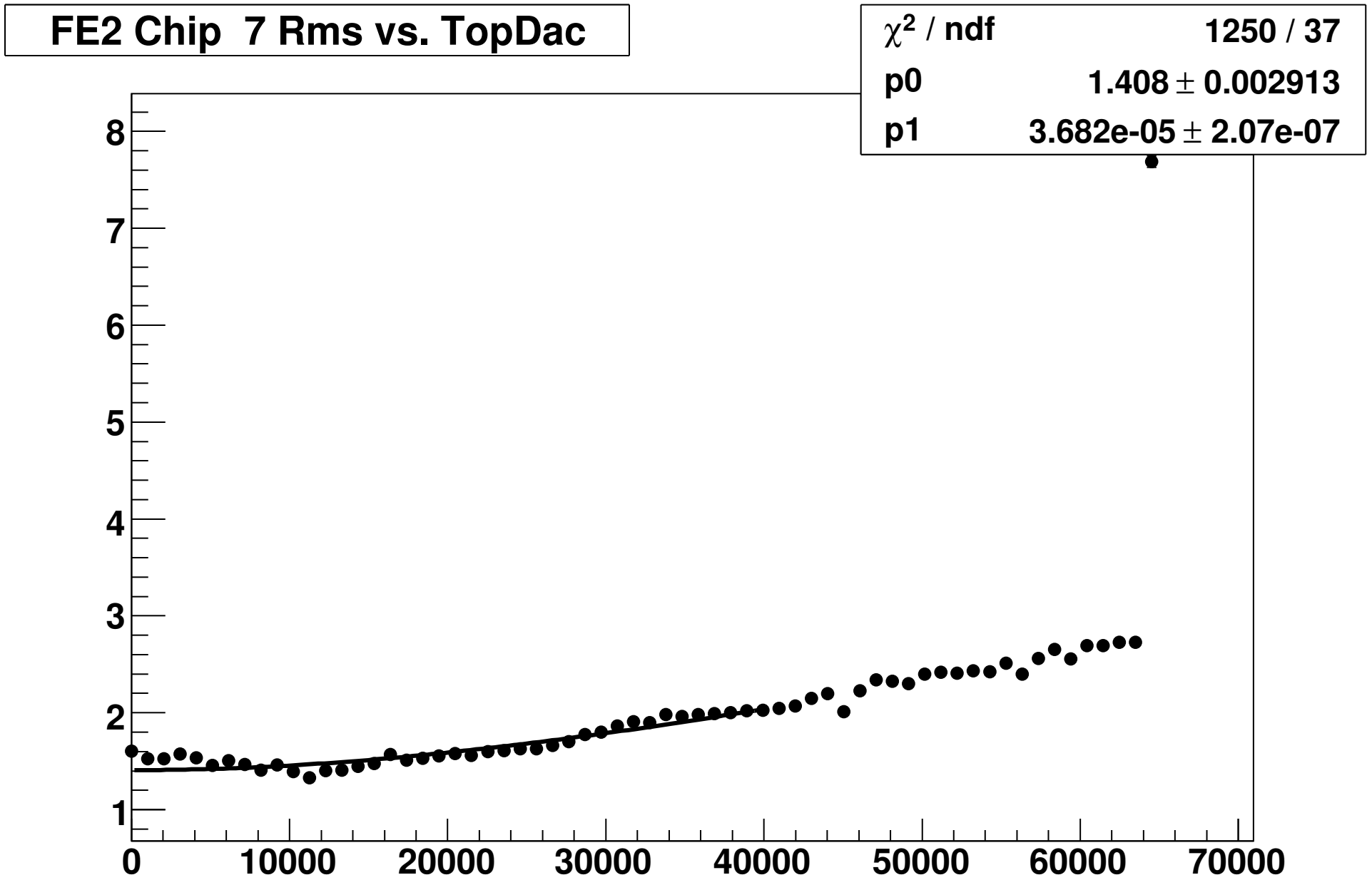

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 7.116e+04 / 37
p0 109.4 ± 0.005199
p1 0.452 ± 2.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

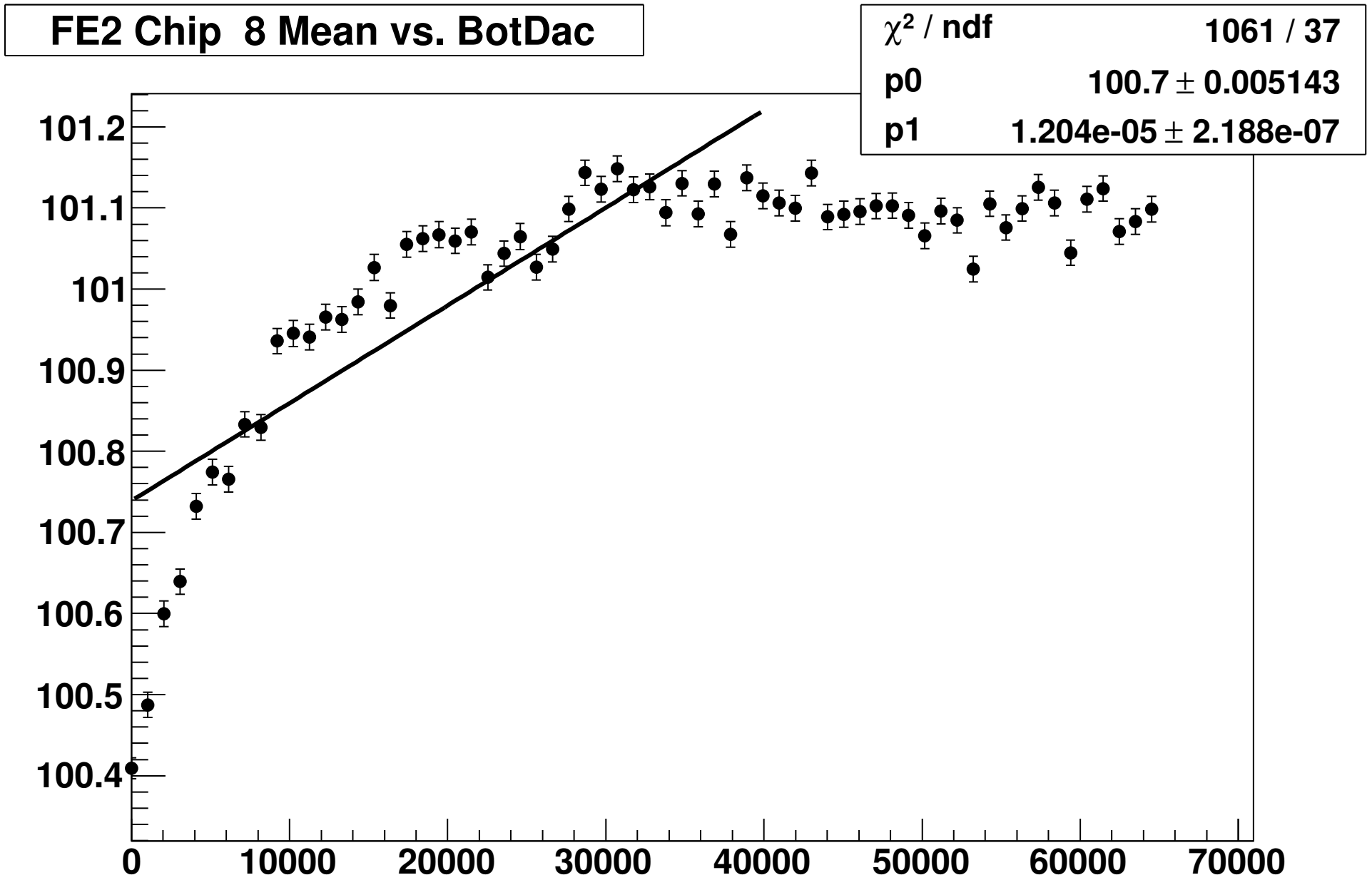

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 806 / 37
p0 1.383 ± 0.002865
p1 3.694e-05 ± 2.014e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 148.4 / 37
p0 115.4 ± 0.005203
p1 4.032e-06 ± 2.212e-07
115.65
115.6
115.55
115.5
115.45
115.4
115.35
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 48.24 / 37
p0 1.501 ± 0.001806
p1 1.8e-15 ± 2.584e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 9.811e+04 / 37
p0 115 ± 0.005325
p1 0.452 ± 2.517e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1250 / 37
p0 1.408 ± 0.002913
p1 3.682e-05 ± 2.07e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 1061 / 37
p0 100.7 ± 0.005143
p1 1.204e-05 ± 2.188e-07
101.2
101.1
101
100.9
100.8
100.7
100.6
100.5
100.4
0
10000
20000
30000
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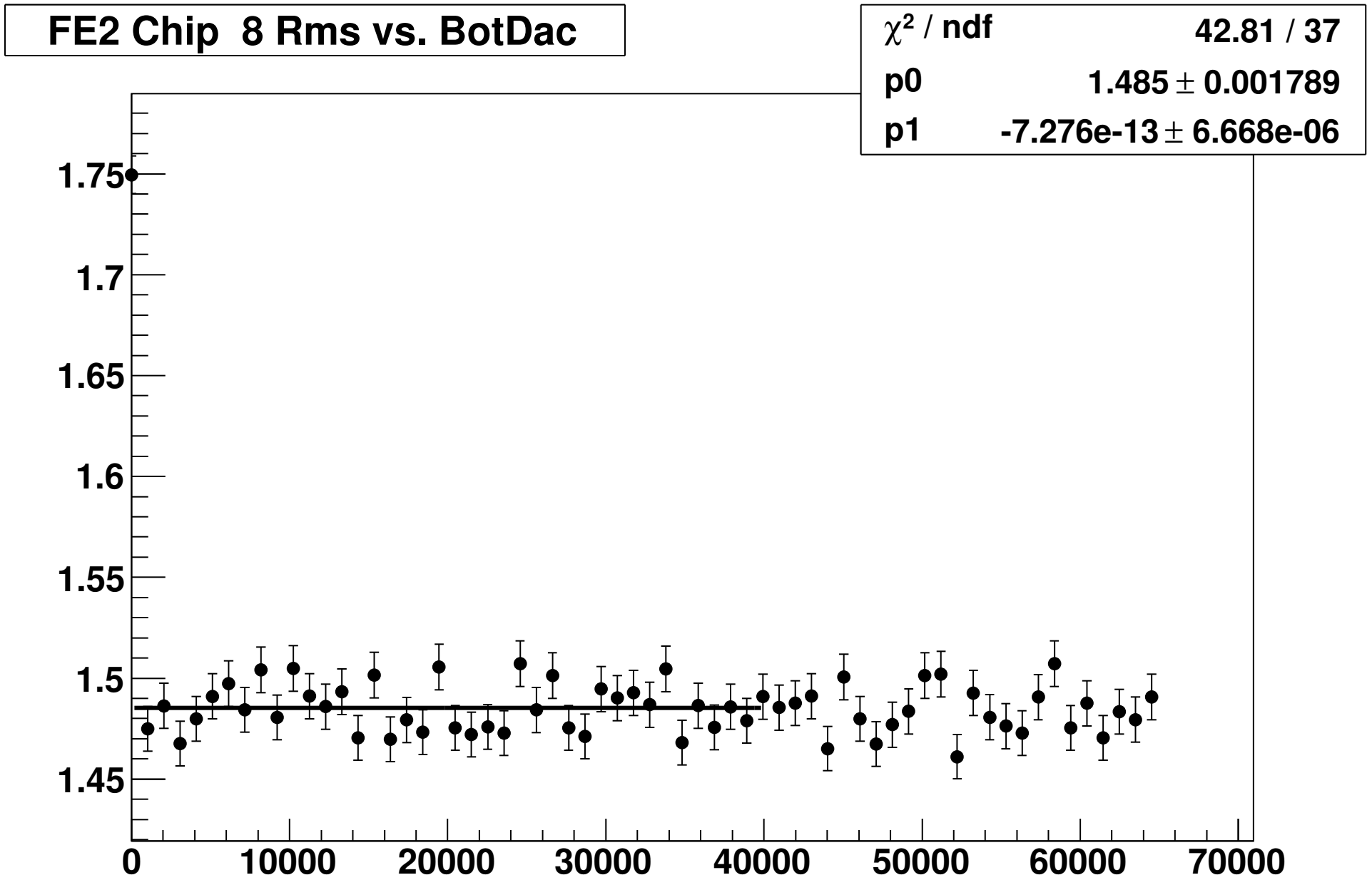
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 42.81 / 37
p0 1.485 ± 0.001789
p1 -7.276e-13 ± 6.668e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
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20000
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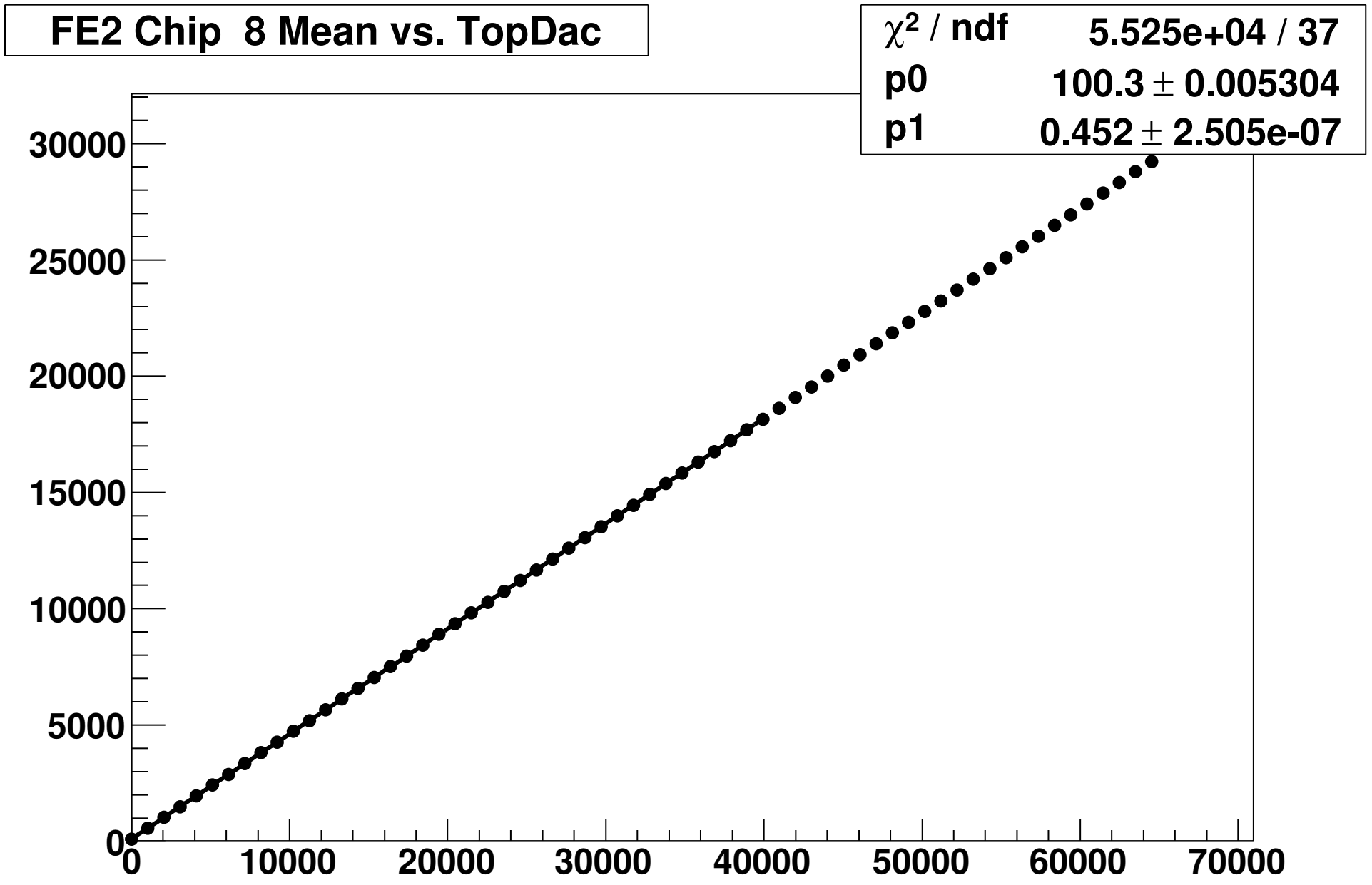
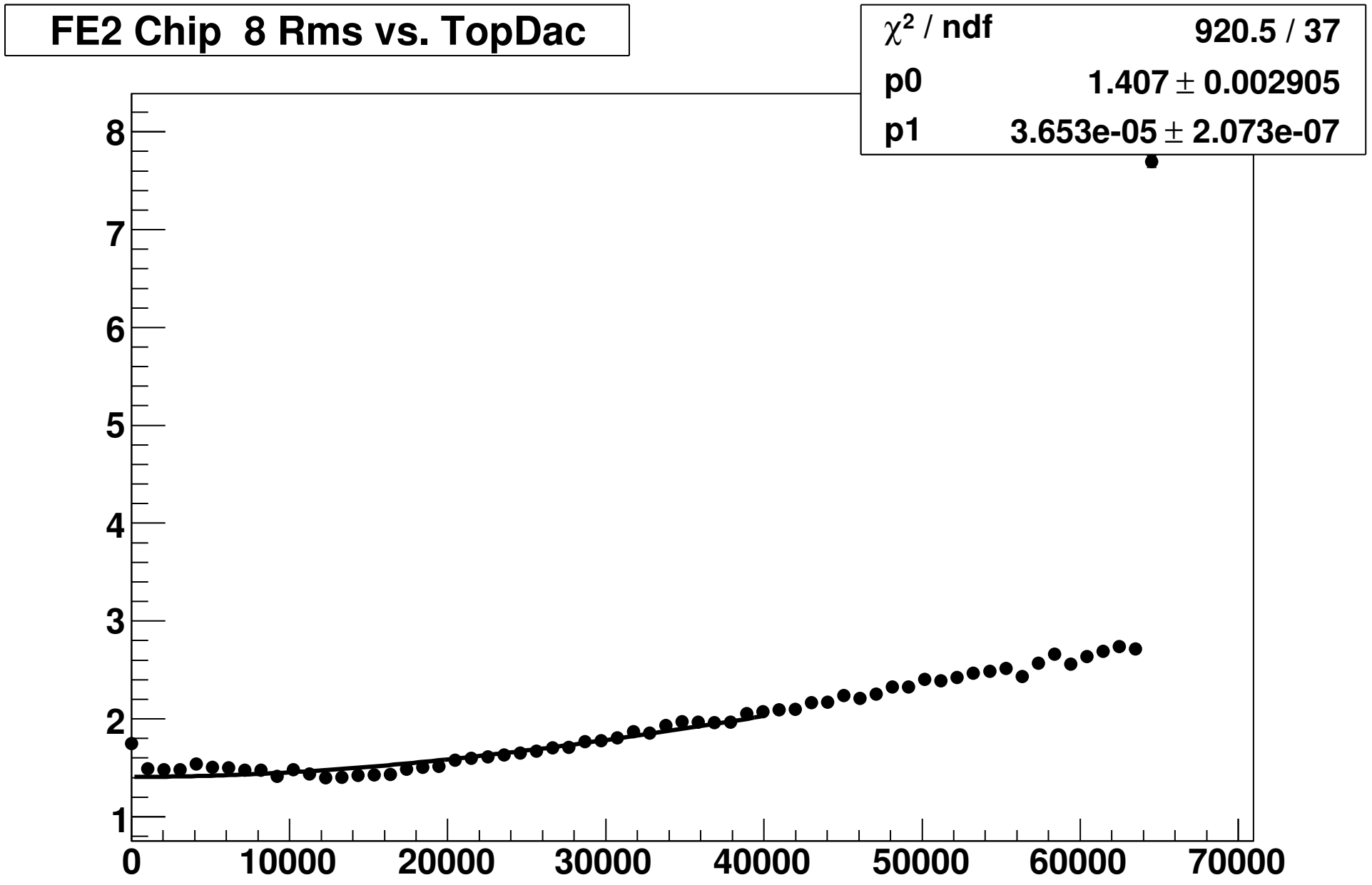

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 5.525e+04 / 37
p0 100.3 ± 0.005304
p1 0.452 ± 2.505e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 920.5 / 37
p0 1.407 ± 0.002905
p1 3.653e-05 ± 2.073e-07
8
7
6
5
4
3
2
1
0
10000
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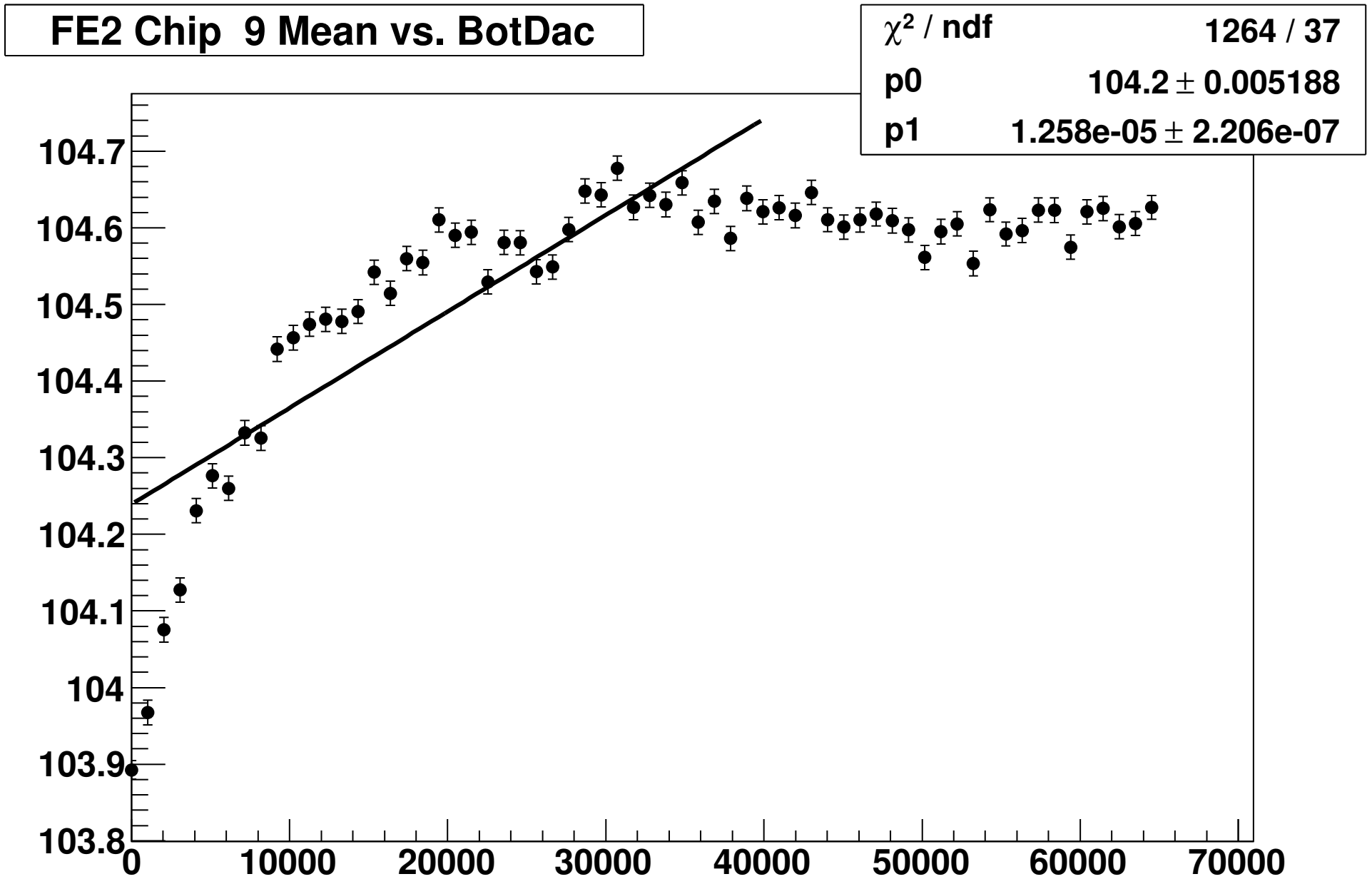
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 1264 / 37
p0 104.2 ± 0.005188
p1 1.258e-05 ± 2.206e-07
104.7
104.6
104.5
104.4
104.3
104.2
104.1
104
103.9
103.8
0
10000
20000
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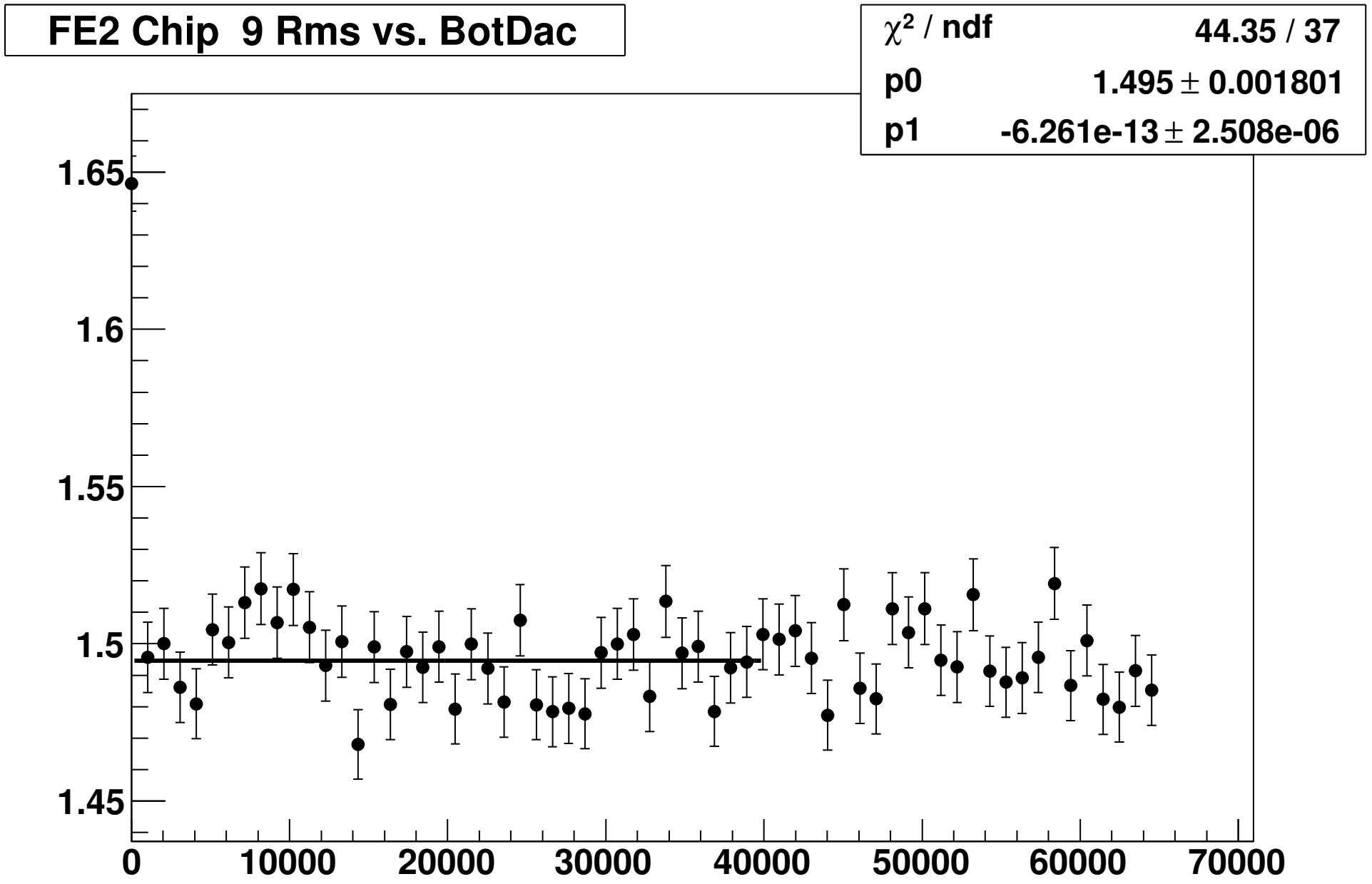
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 44.35 / 37
p0 1.495 ± 0.001801
p1 -6.261e-13 ± 2.508e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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60000
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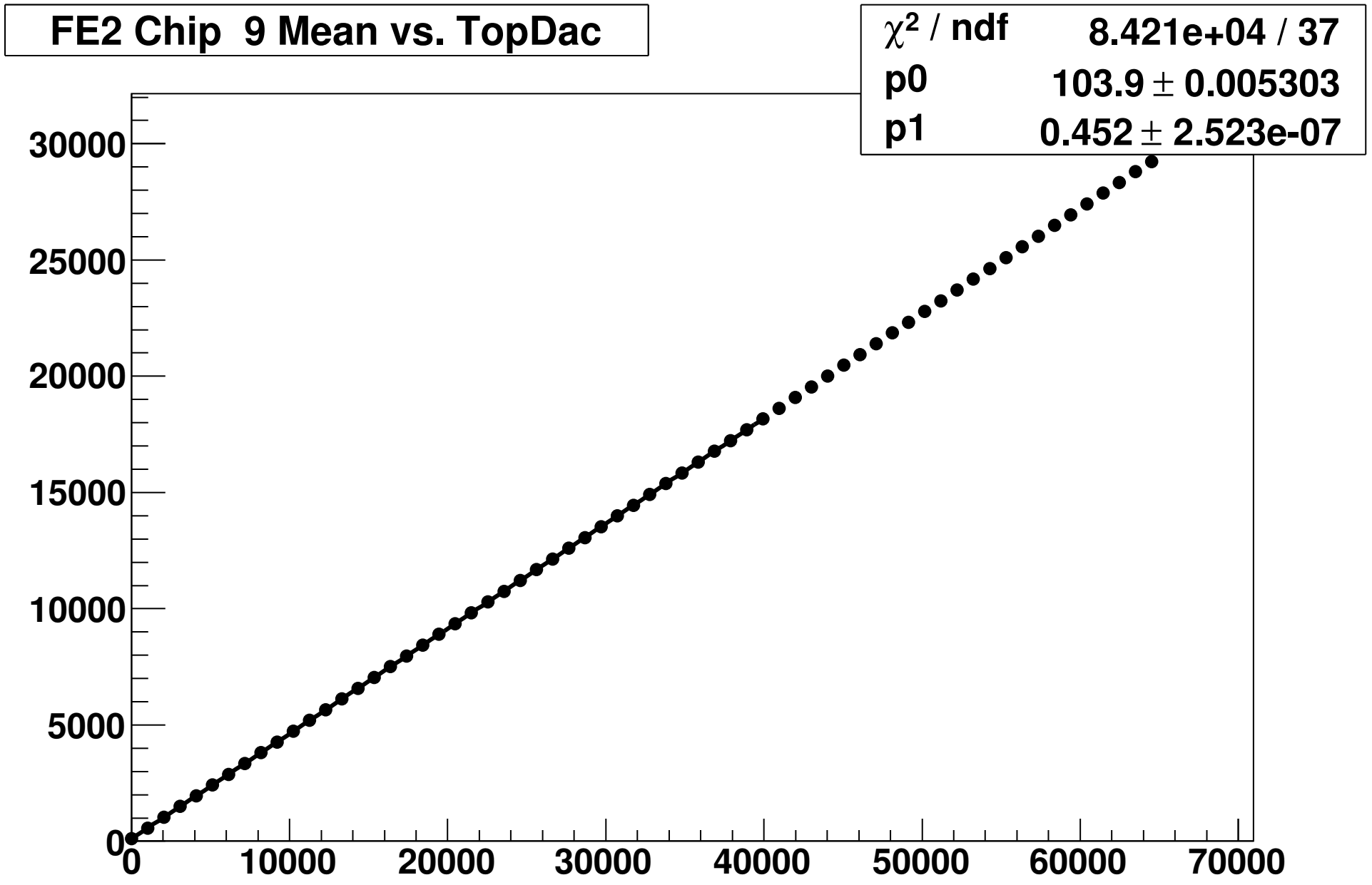
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 8.421e+04 / 37
p0 103.9 ± 0.005303
p1 0.452 ± 2.523e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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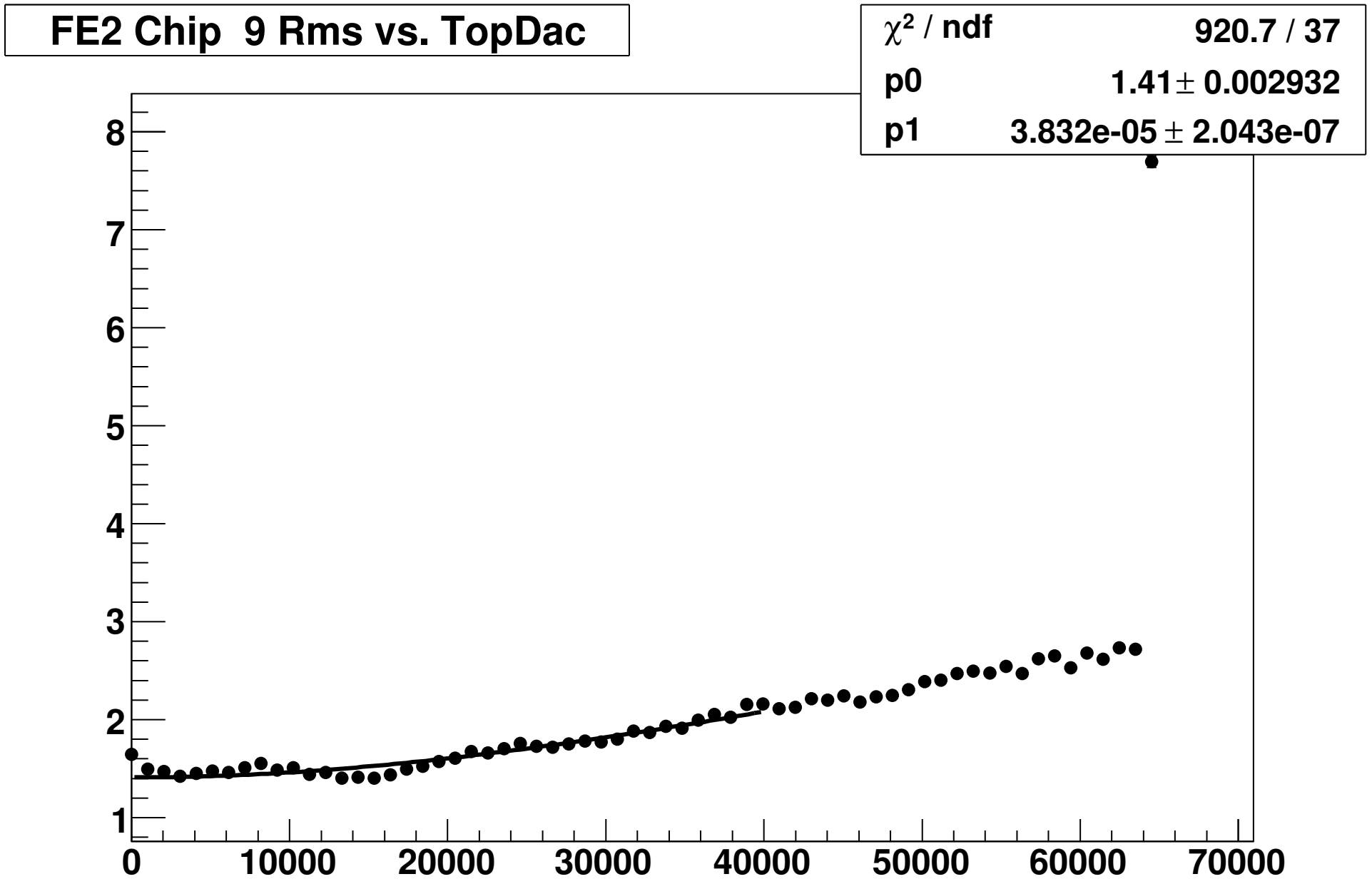
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 920.7 / 37
p0 1.41 ± 0.002932
p1 3.832e-05 ± 2.043e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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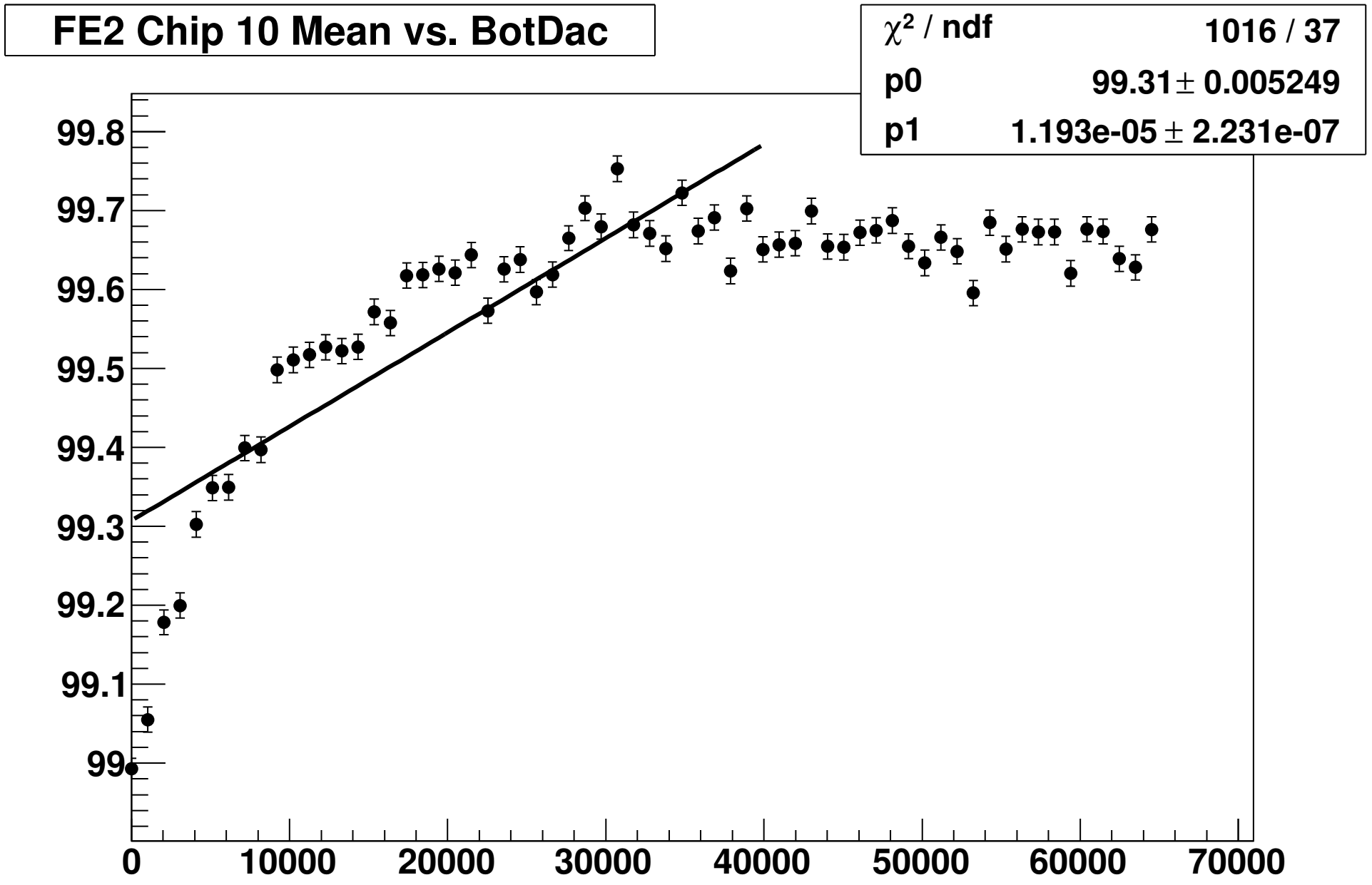
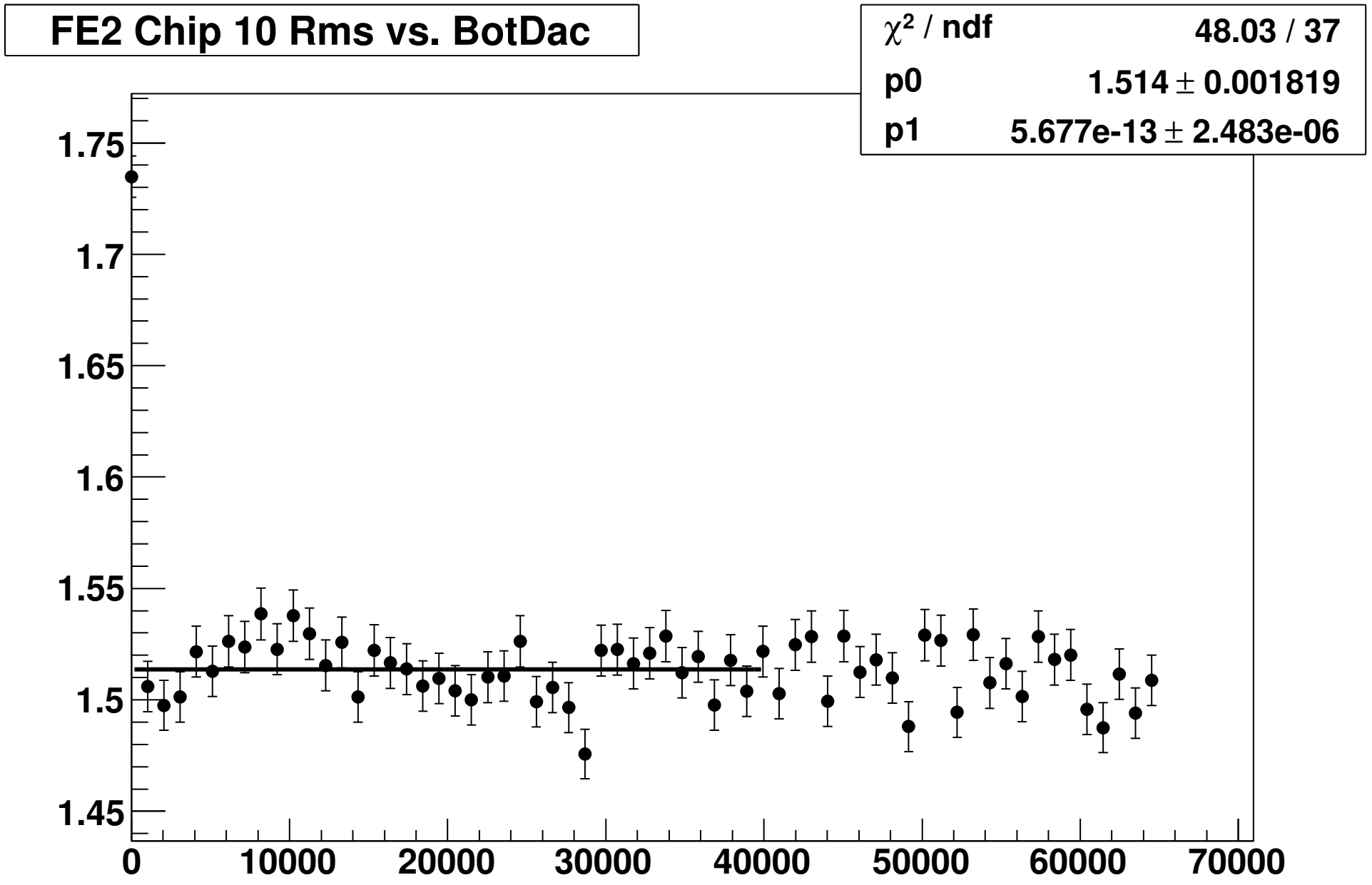

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 1016 / 37
p0 99.31 ± 0.005249
p1 1.193e-05 ± 2.231e-07
99.8
99.7
99.6
99.5
99.4
99.3
99.2
99.1
99
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 48.03 / 37
p0 1.514 ± 0.001819
p1 5.677e-13 ± 2.483e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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50000
60000
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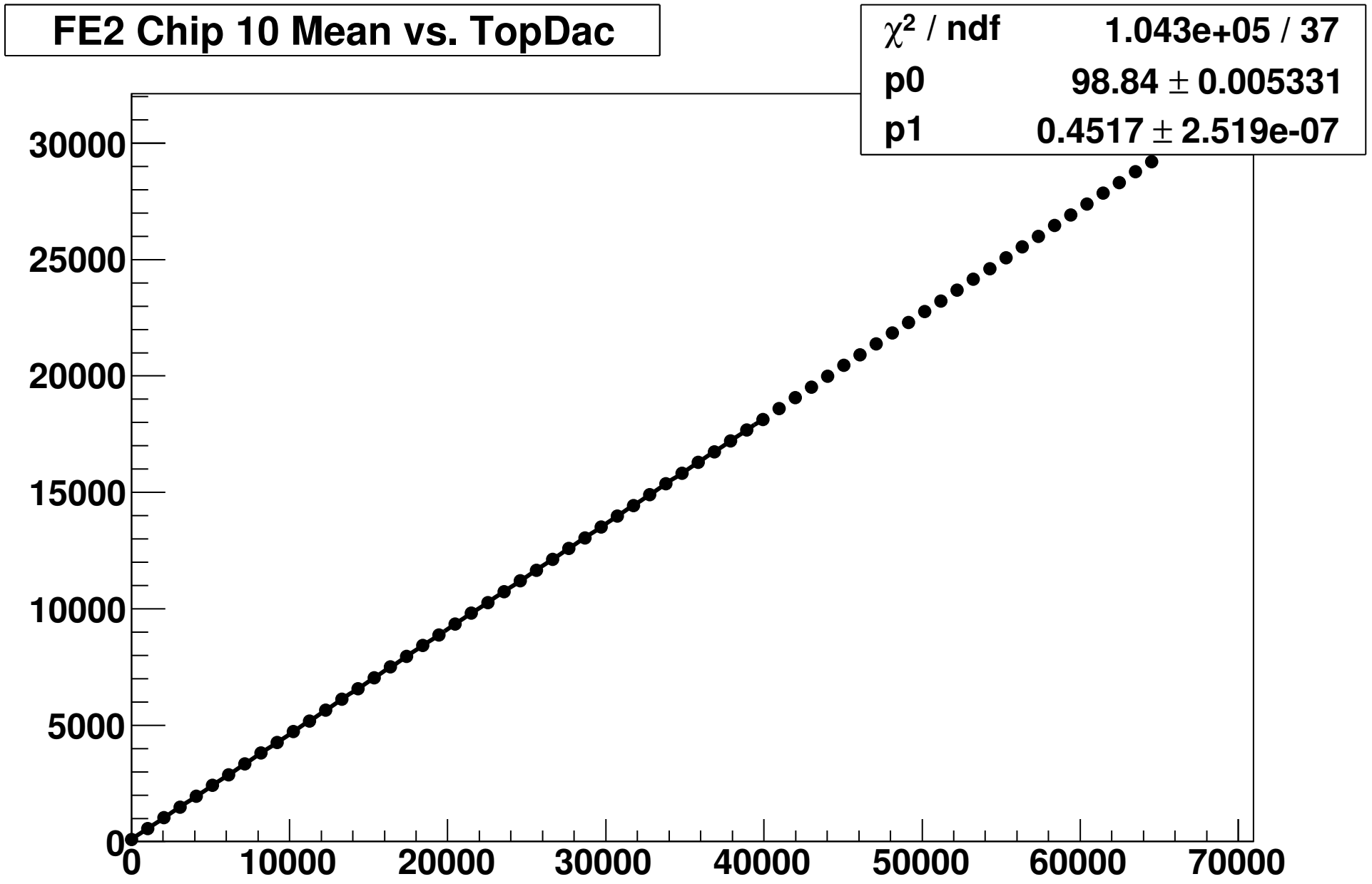
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.043e+05 / 37
p0 98.84 ± 0.005331
p1 0.4517 ± 2.519e-07
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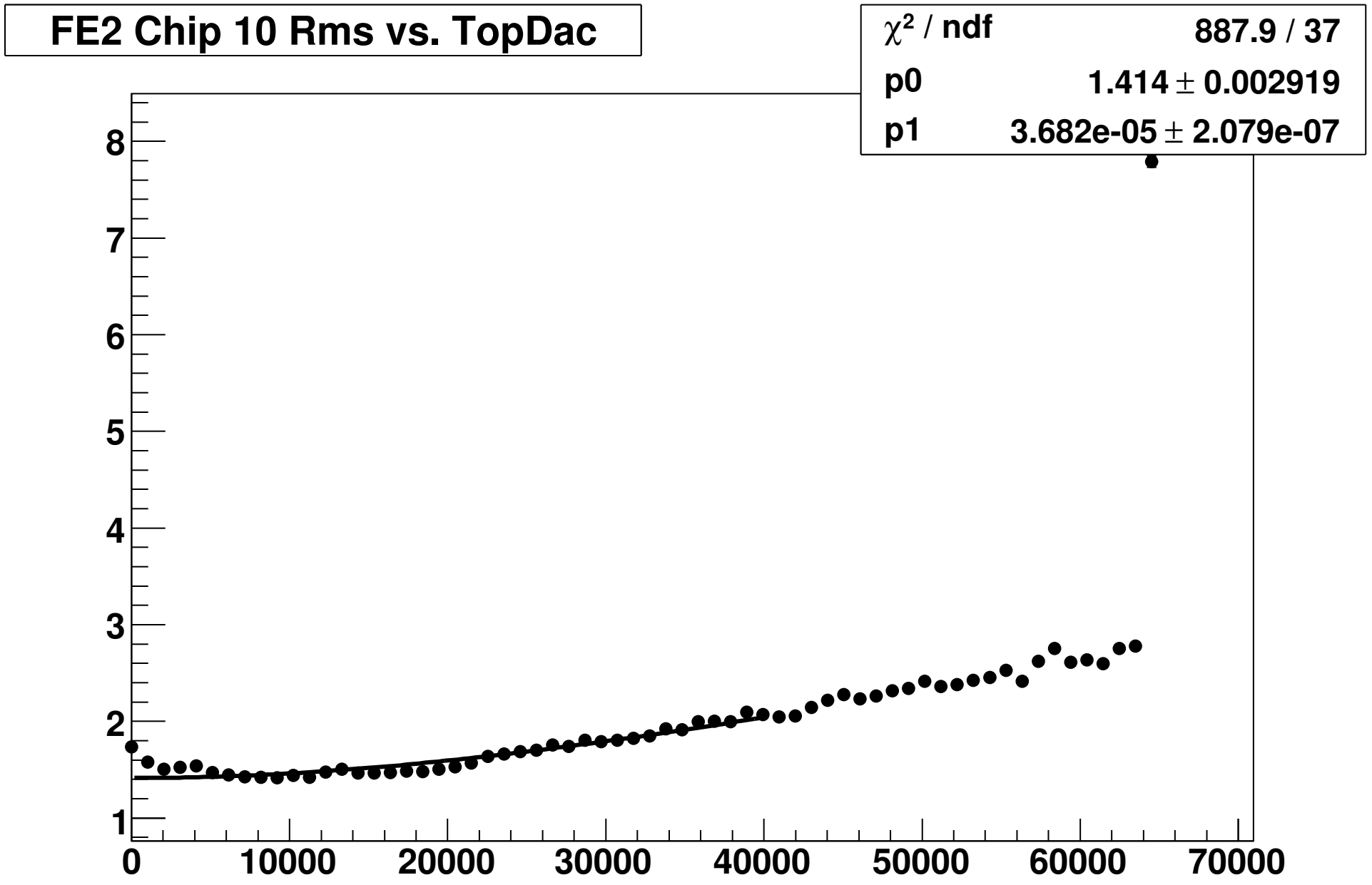
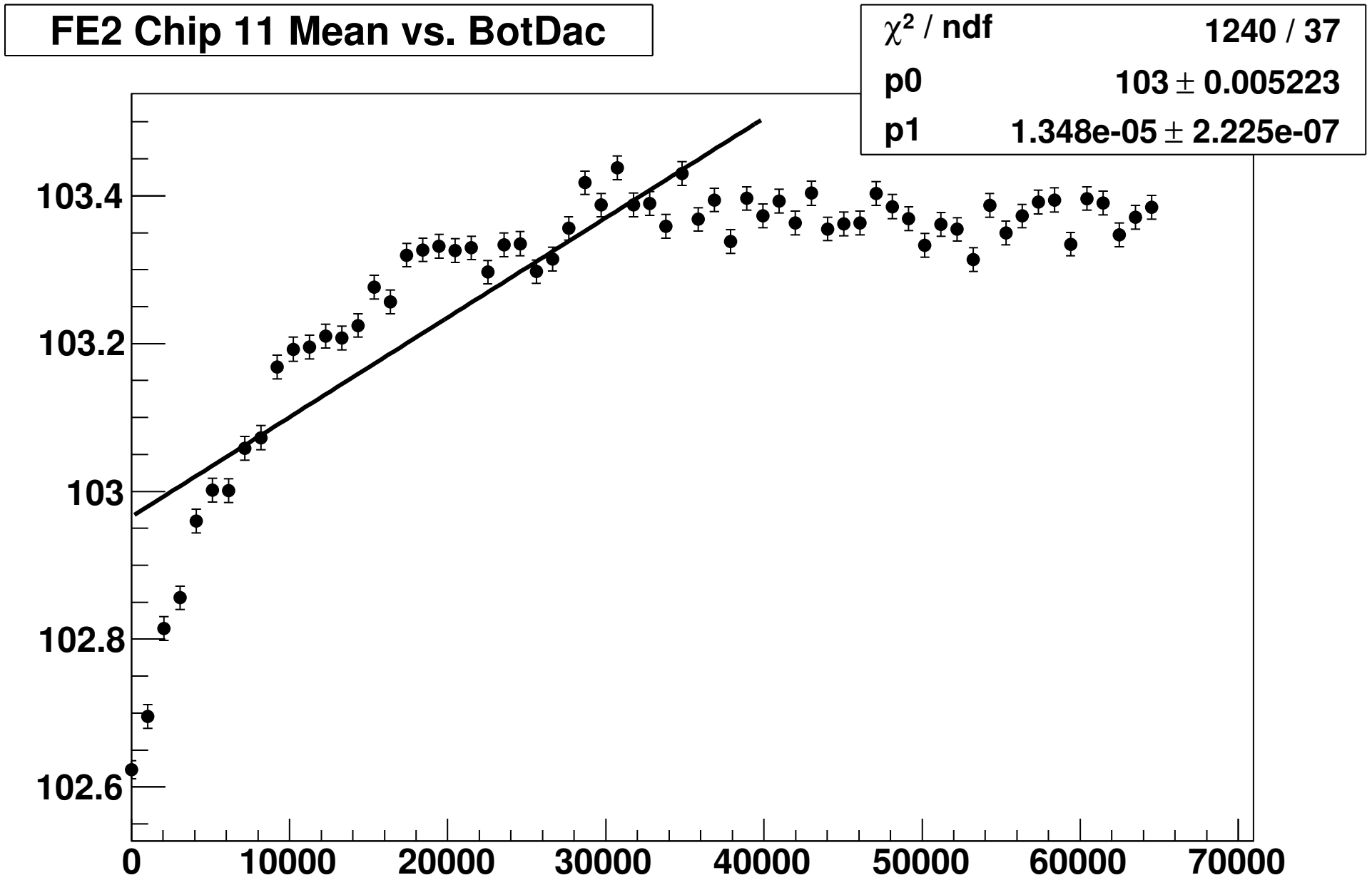
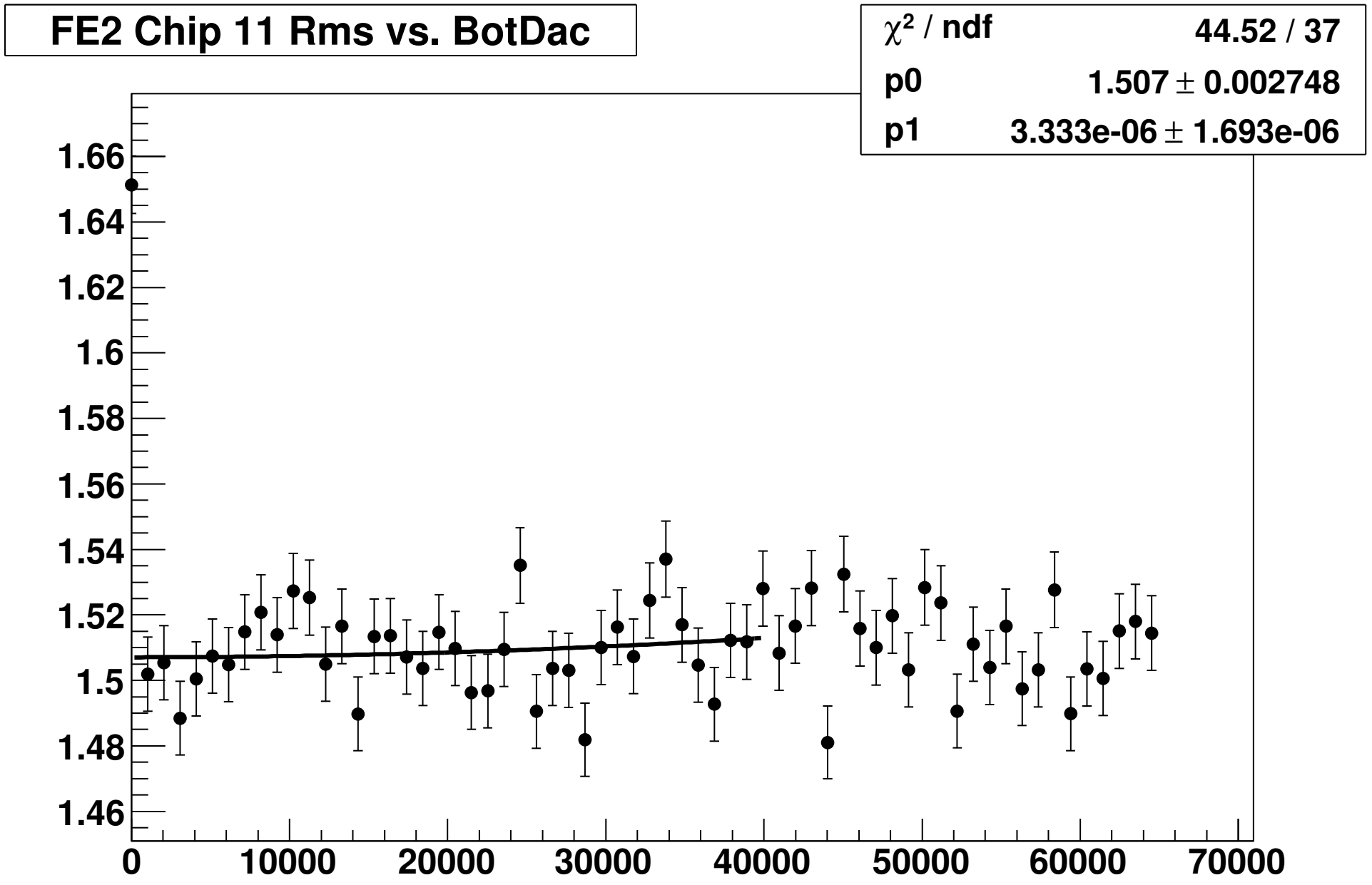
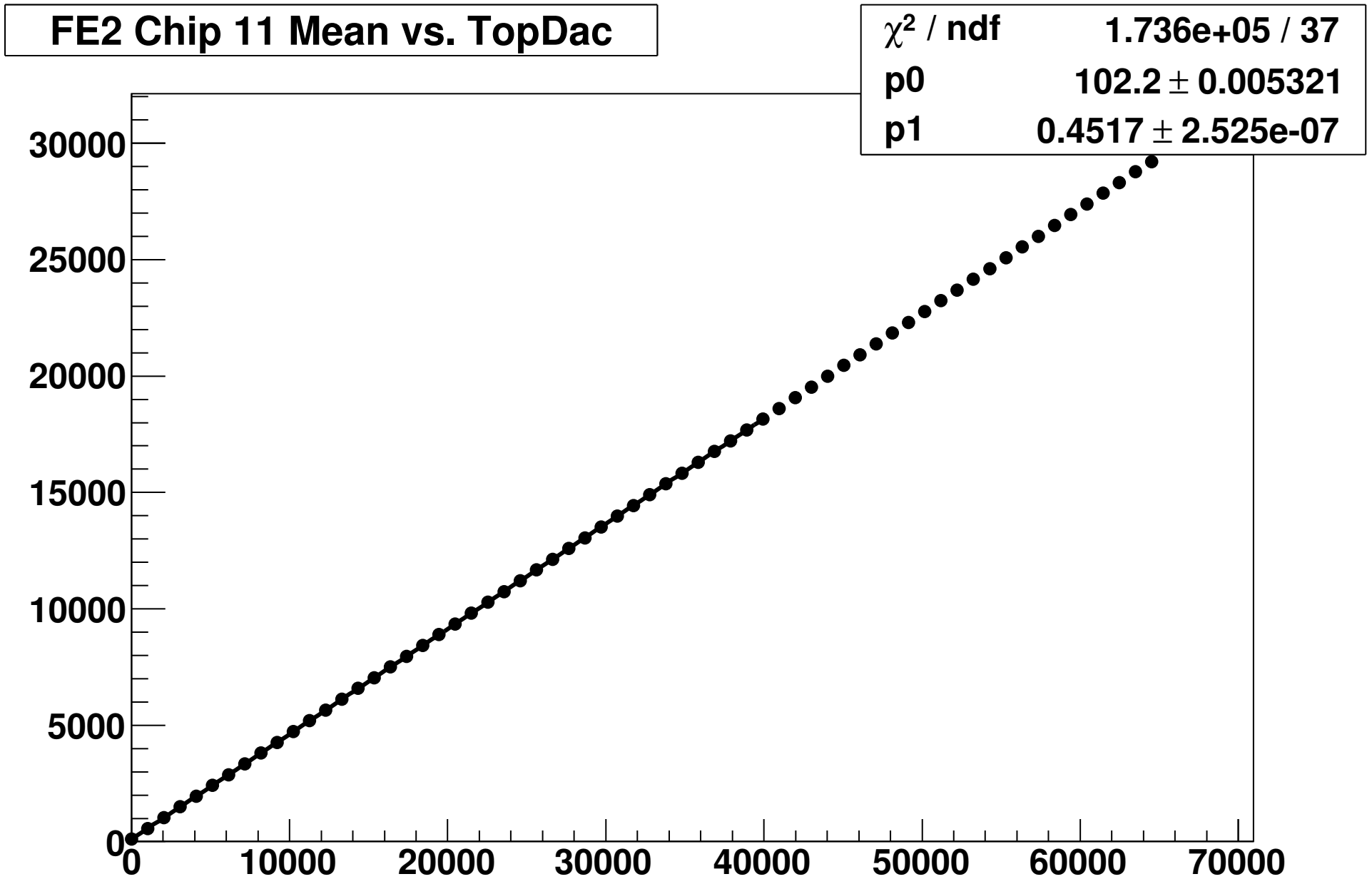
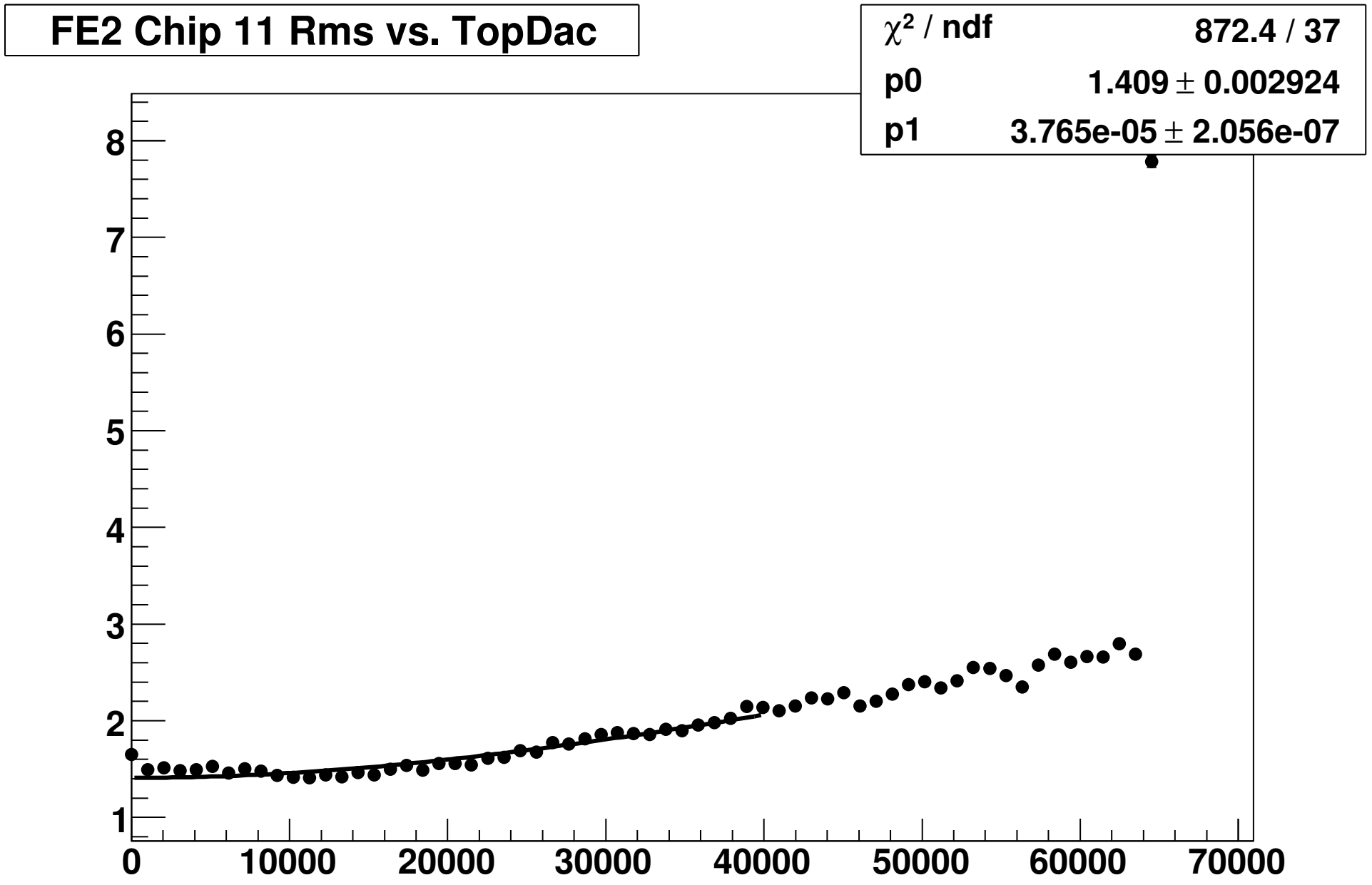
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

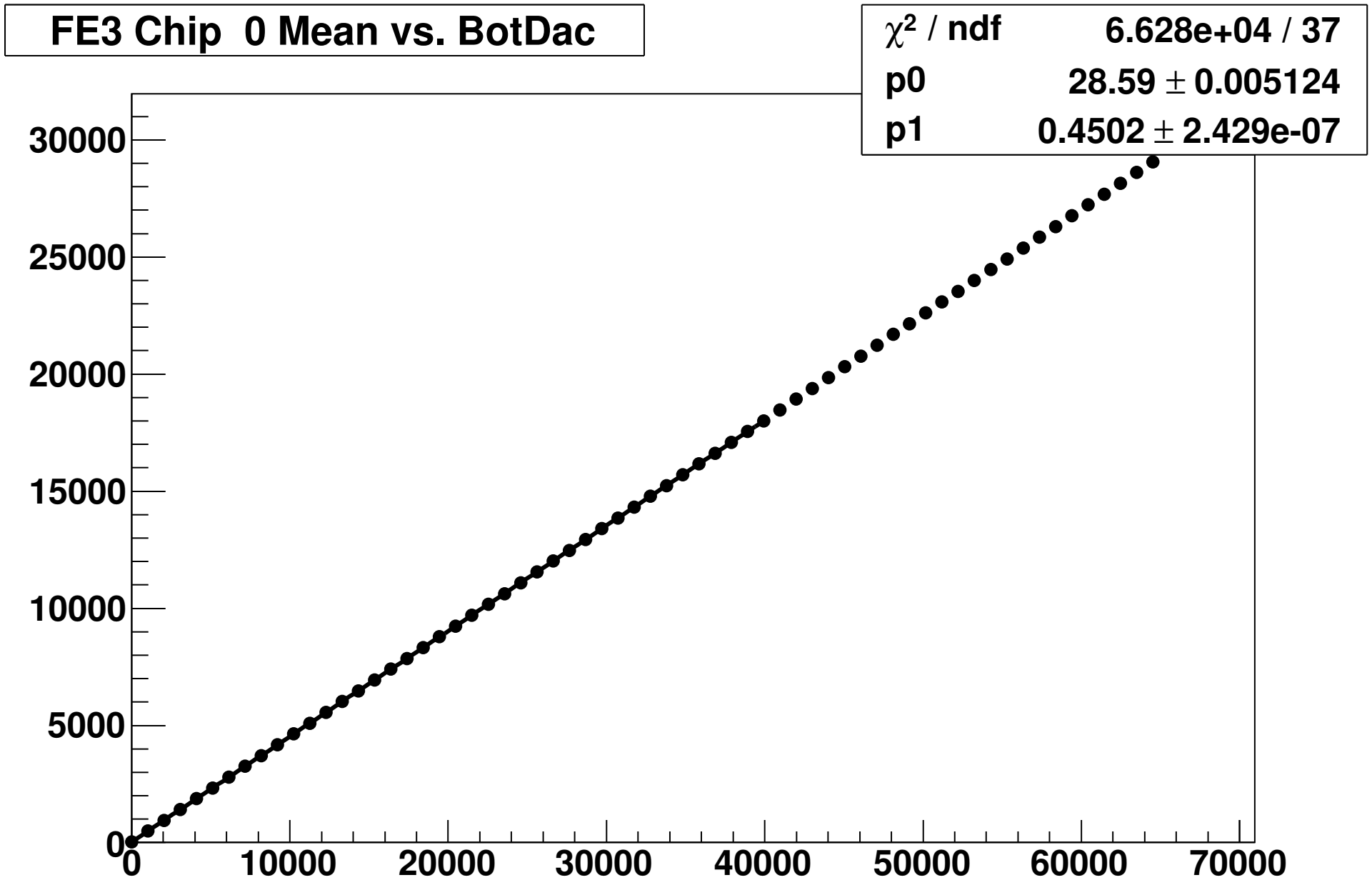

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 887.9 / 37
p0 1.414 ± 0.002919
p1 3.682e-05 ± 2.079e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

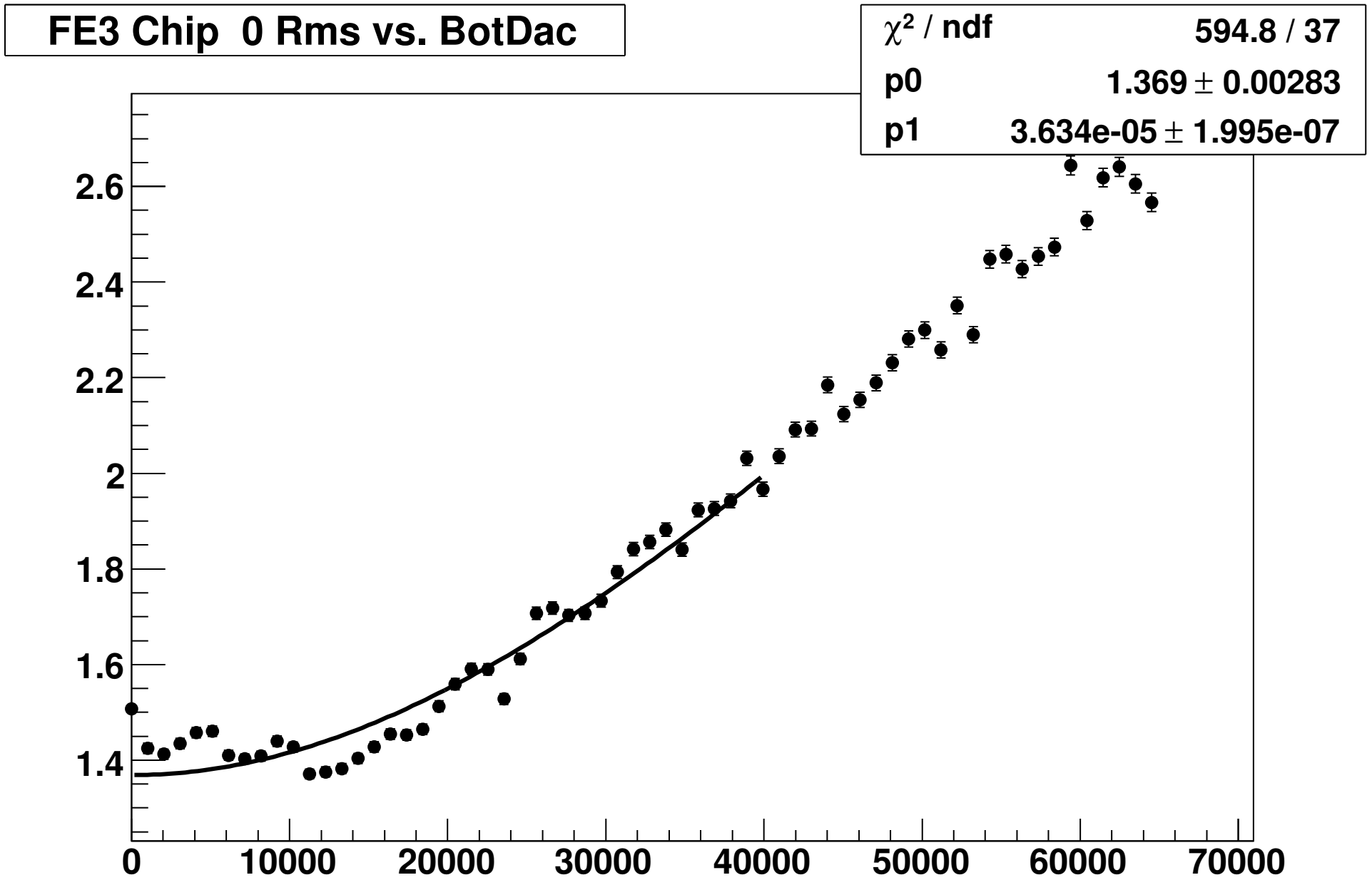

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 1240 / 37
p0 103 ± 0.005223
p1 1.348e-05 ± 2.225e-07
103.4
103.2
103
102.8
102.6
0
10000
20000
30000
40000
50000
60000
70000

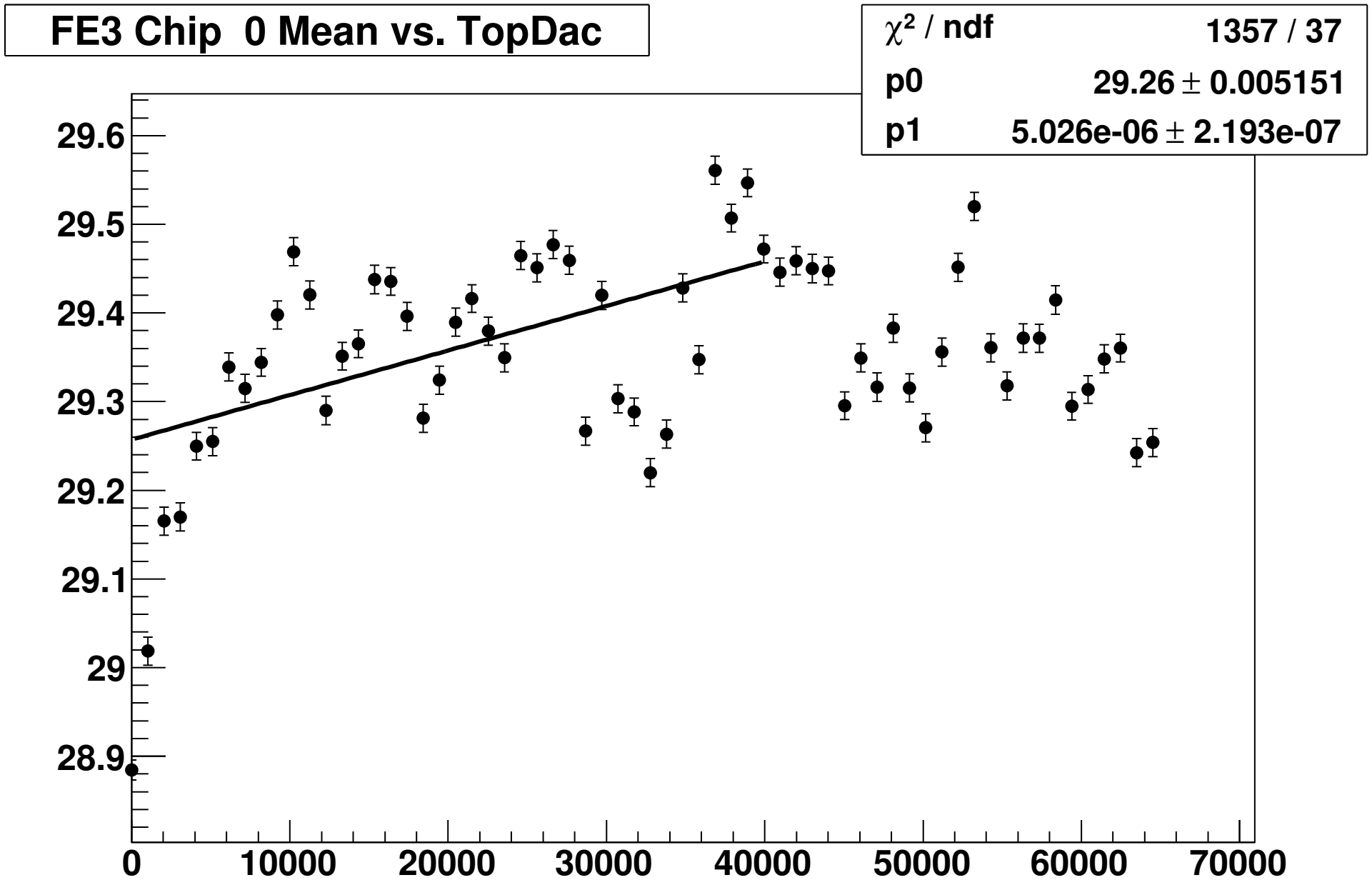

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 44.52 / 37
p0 1.507 ± 0.002748
p1 3.333e-06 ± 1.693e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

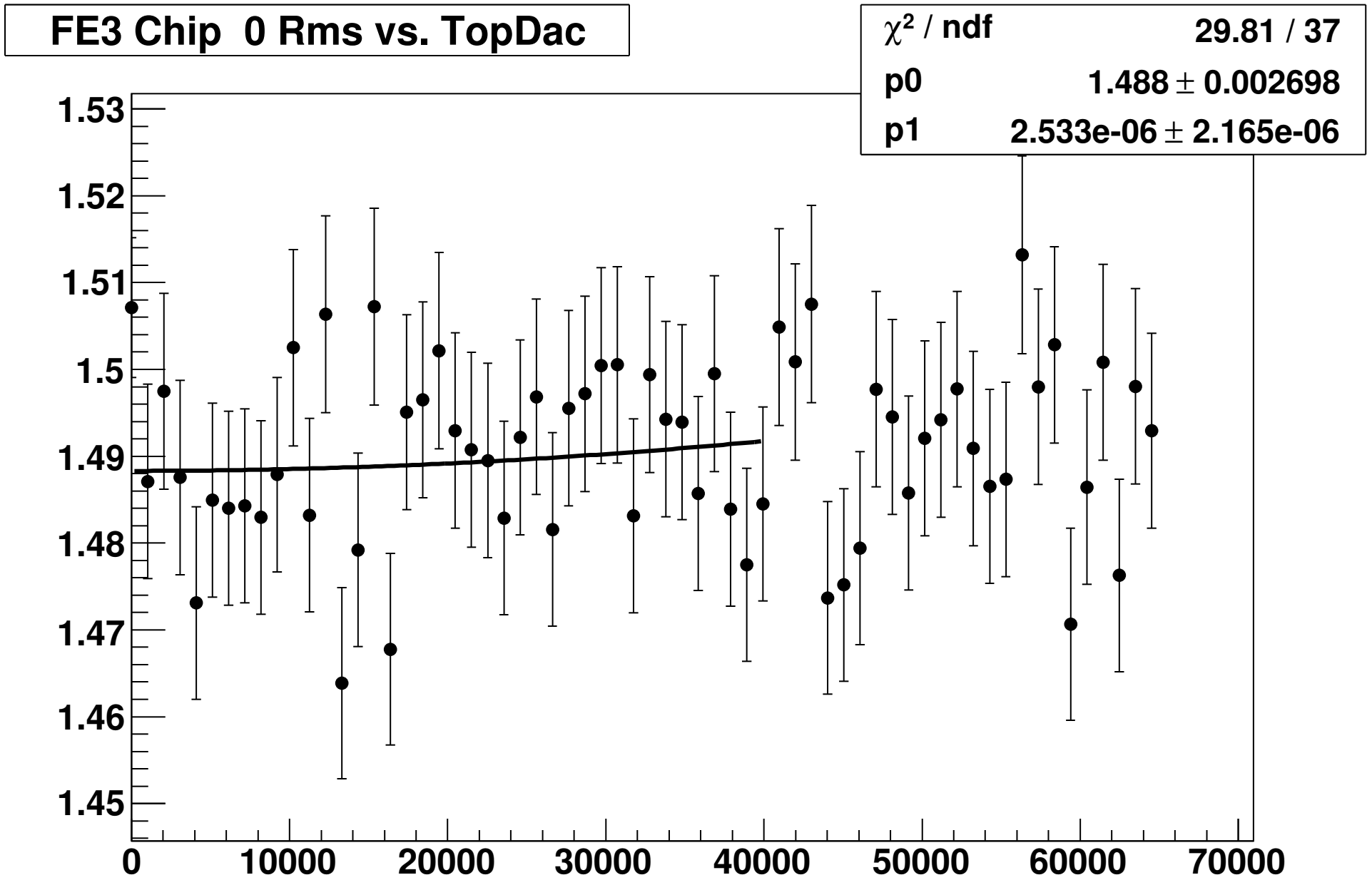

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.736e+05 / 37
p0 102.2 ± 0.005321
p1 0.4517 ± 2.525e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

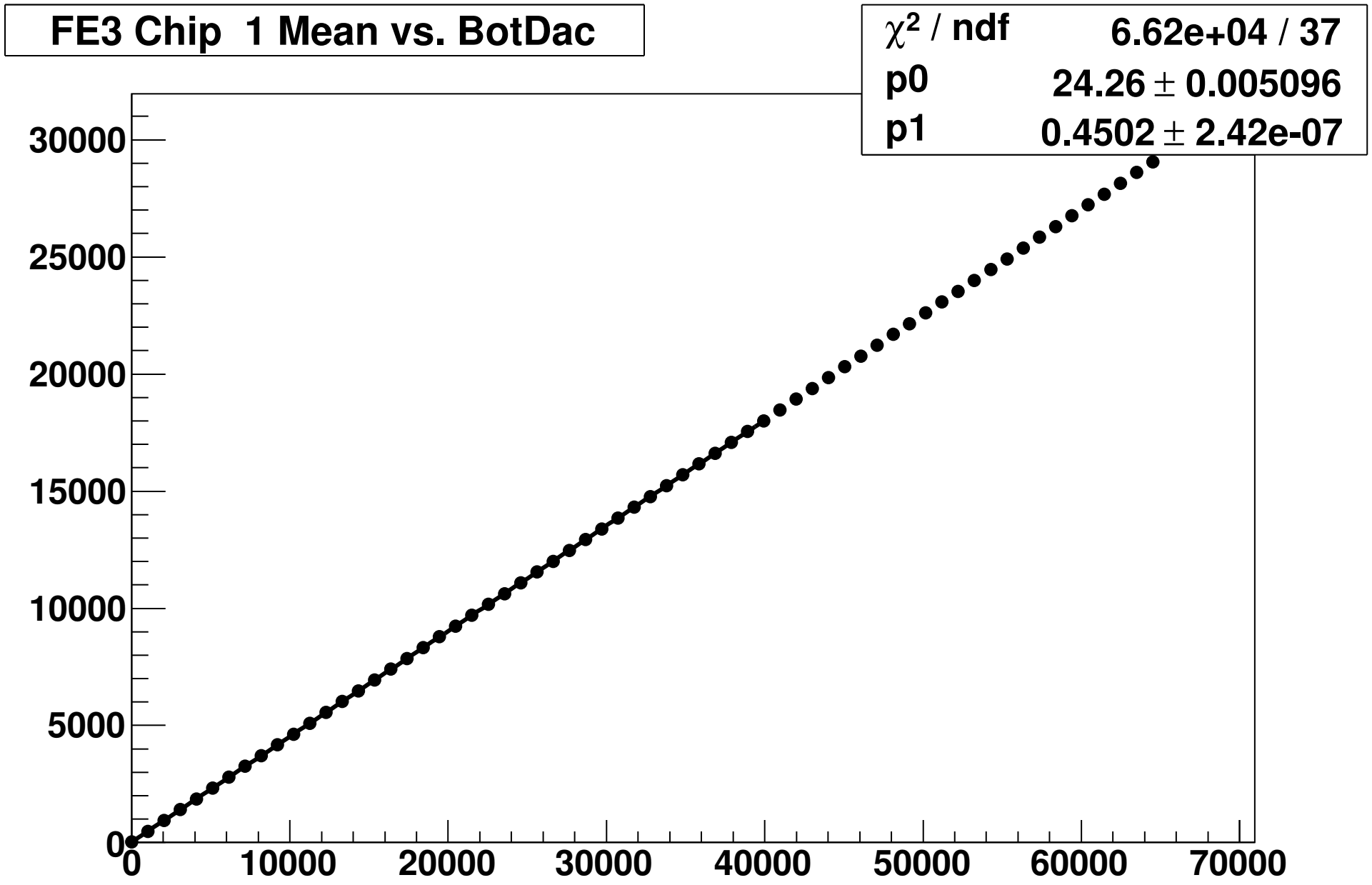

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 872.4 / 37
p0 1.409 ± 0.002924
p1 3.765e-05 ± 2.056e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

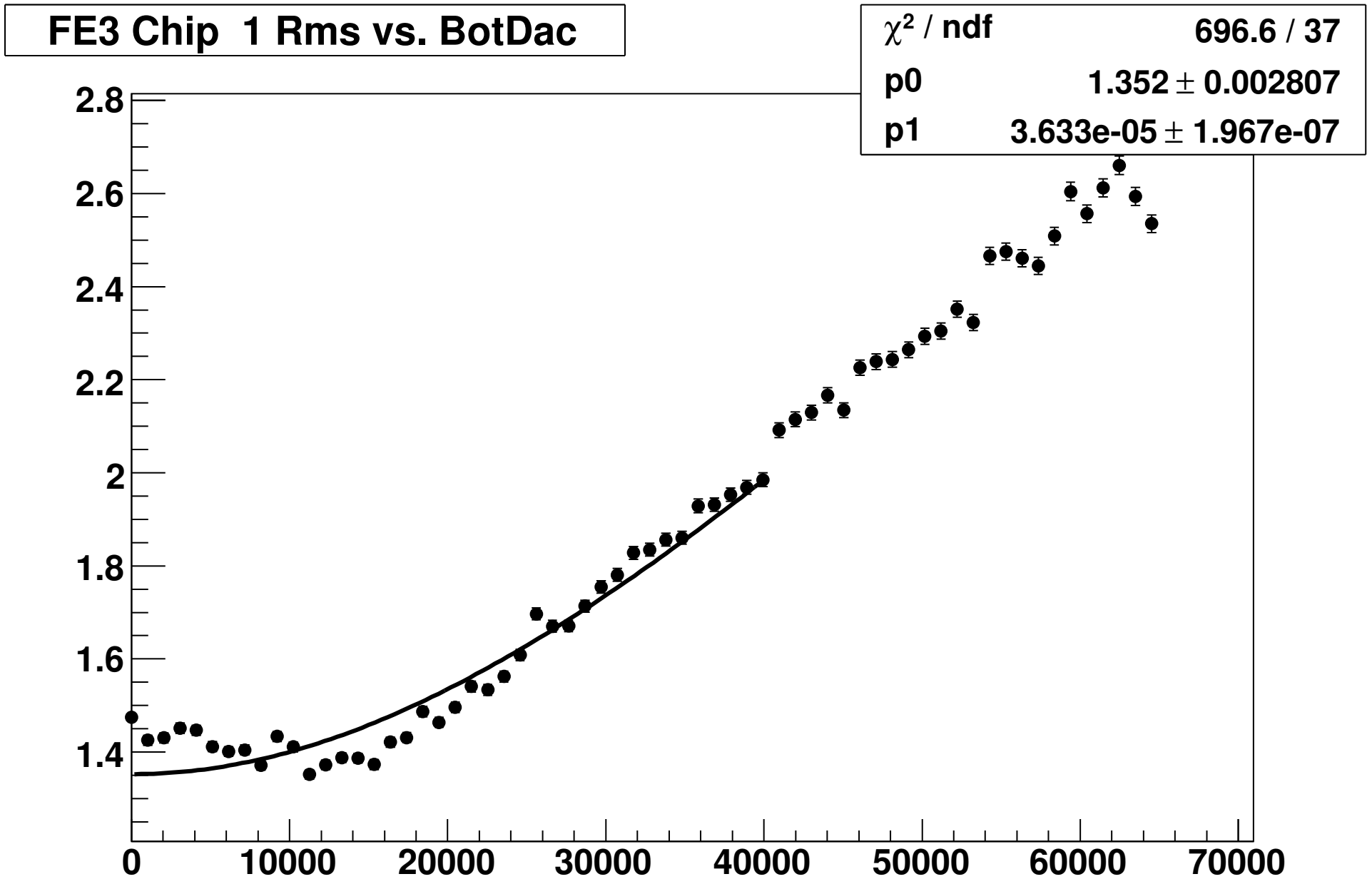

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 6.628e+04 / 37
p0 28.59 ± 0.005124
p1 0.4502 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

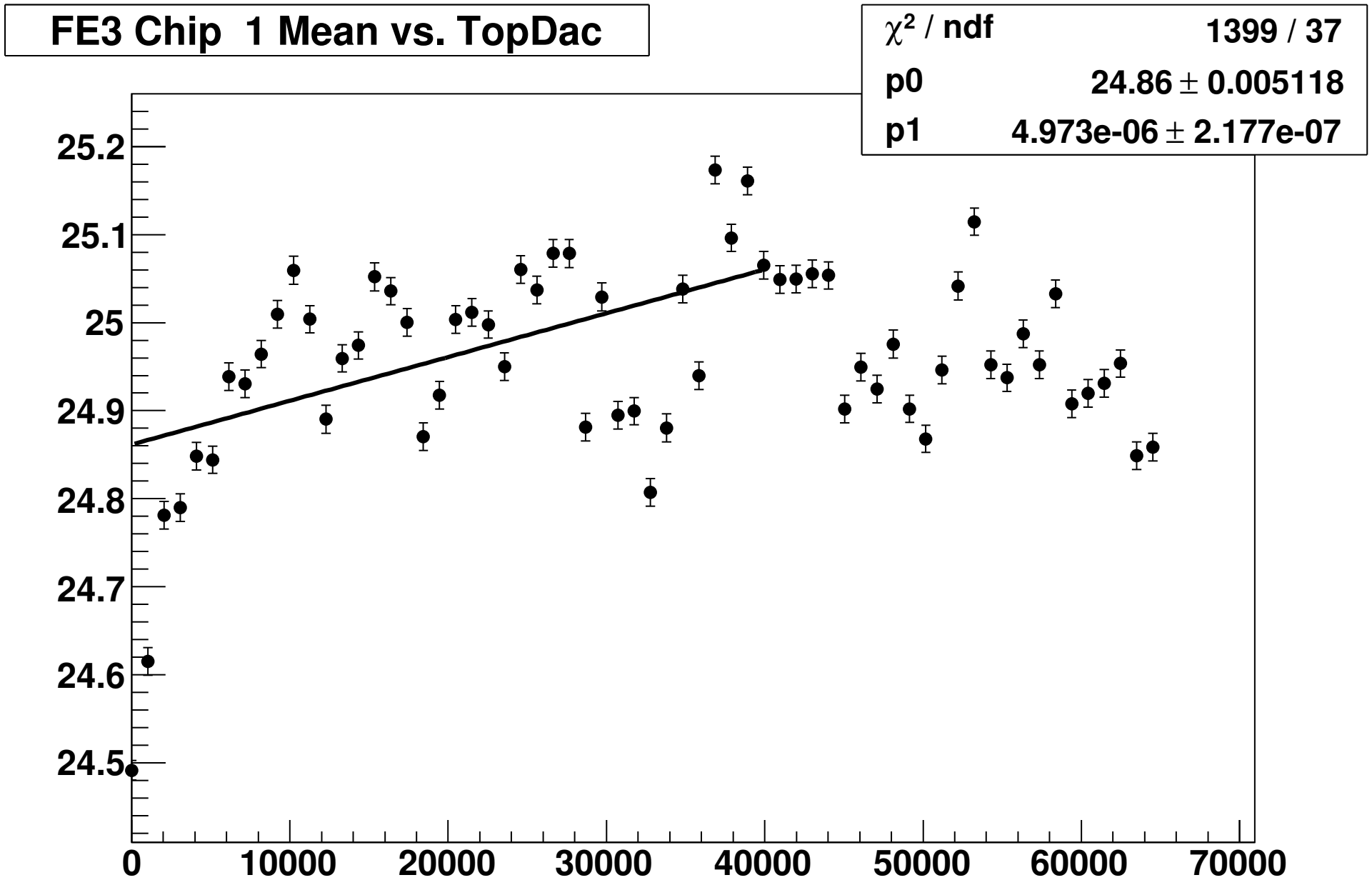

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 594.8 / 37
p0 1.369 ± 0.00283
p1 3.634e-05 ± 1.995e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

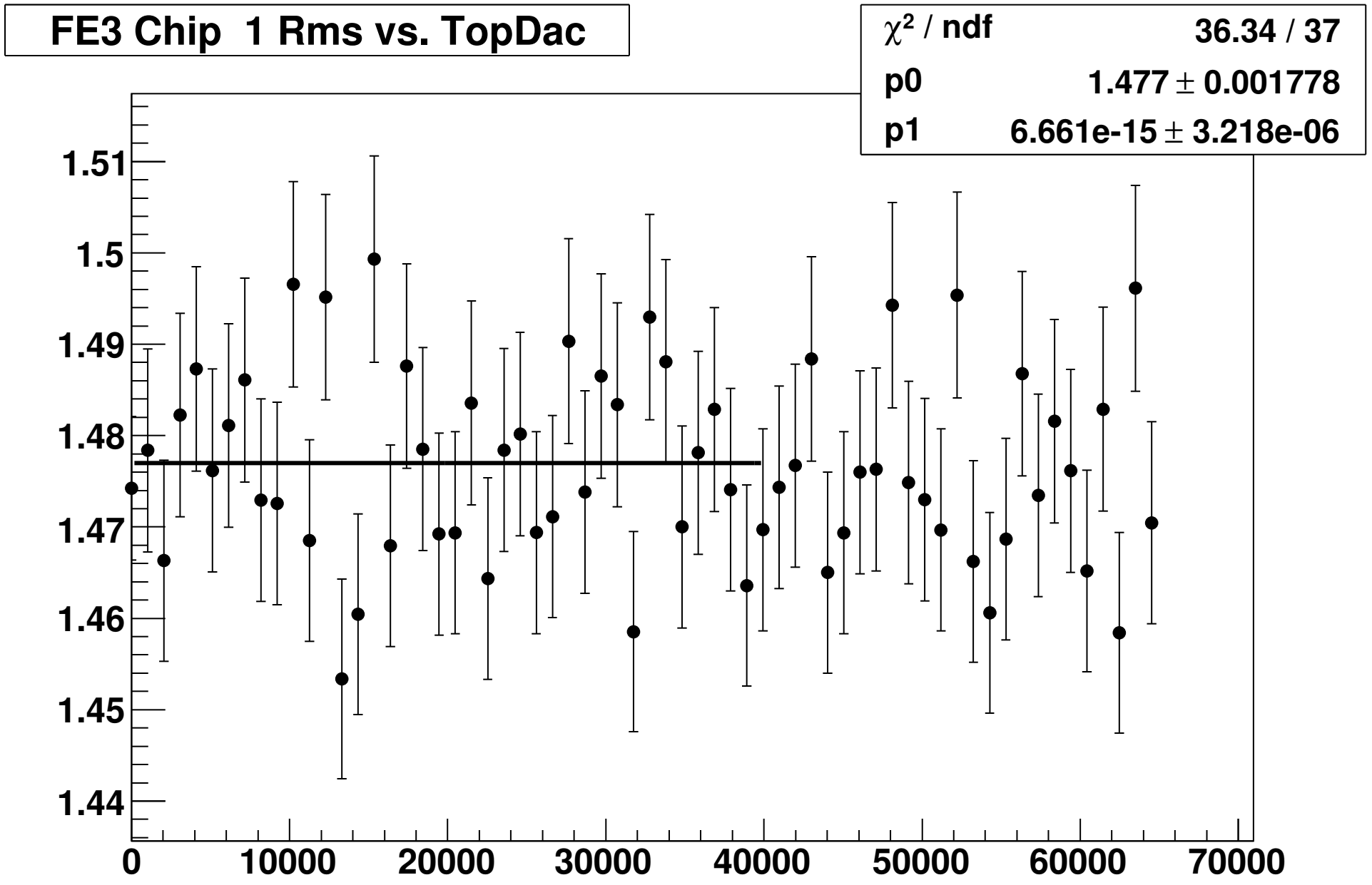

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1357 / 37
p0 29.26 ± 0.005151
p1 5.026e-06 ± 2.193e-07
29.6
29.5
29.4
29.3
29.2
29.1
29
28.9
0
10000
20000
30000
40000
50000
60000
70000

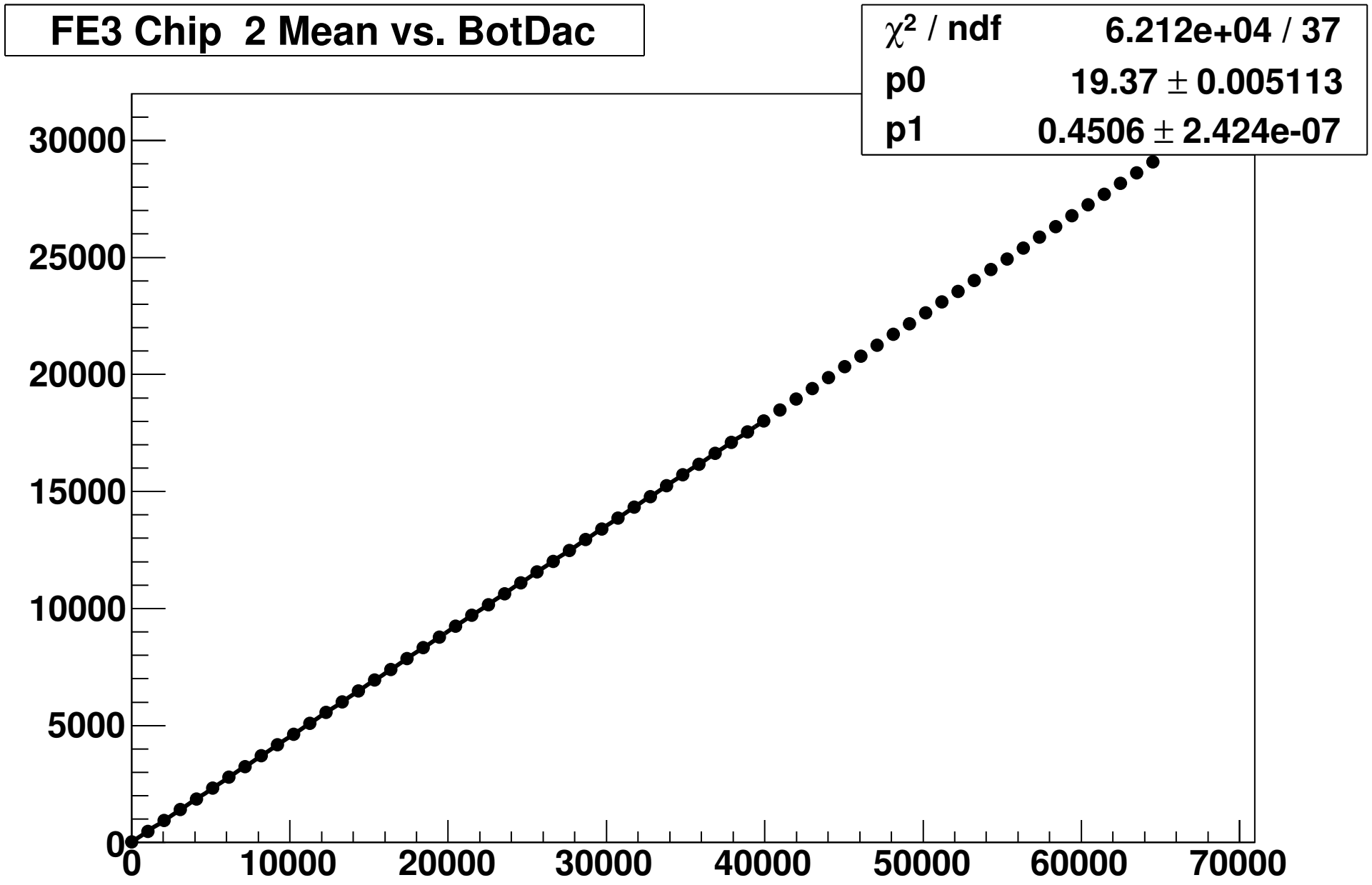

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 29.81 / 37
p0 1.488 ± 0.002698
p1 2.533e-06 ± 2.165e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

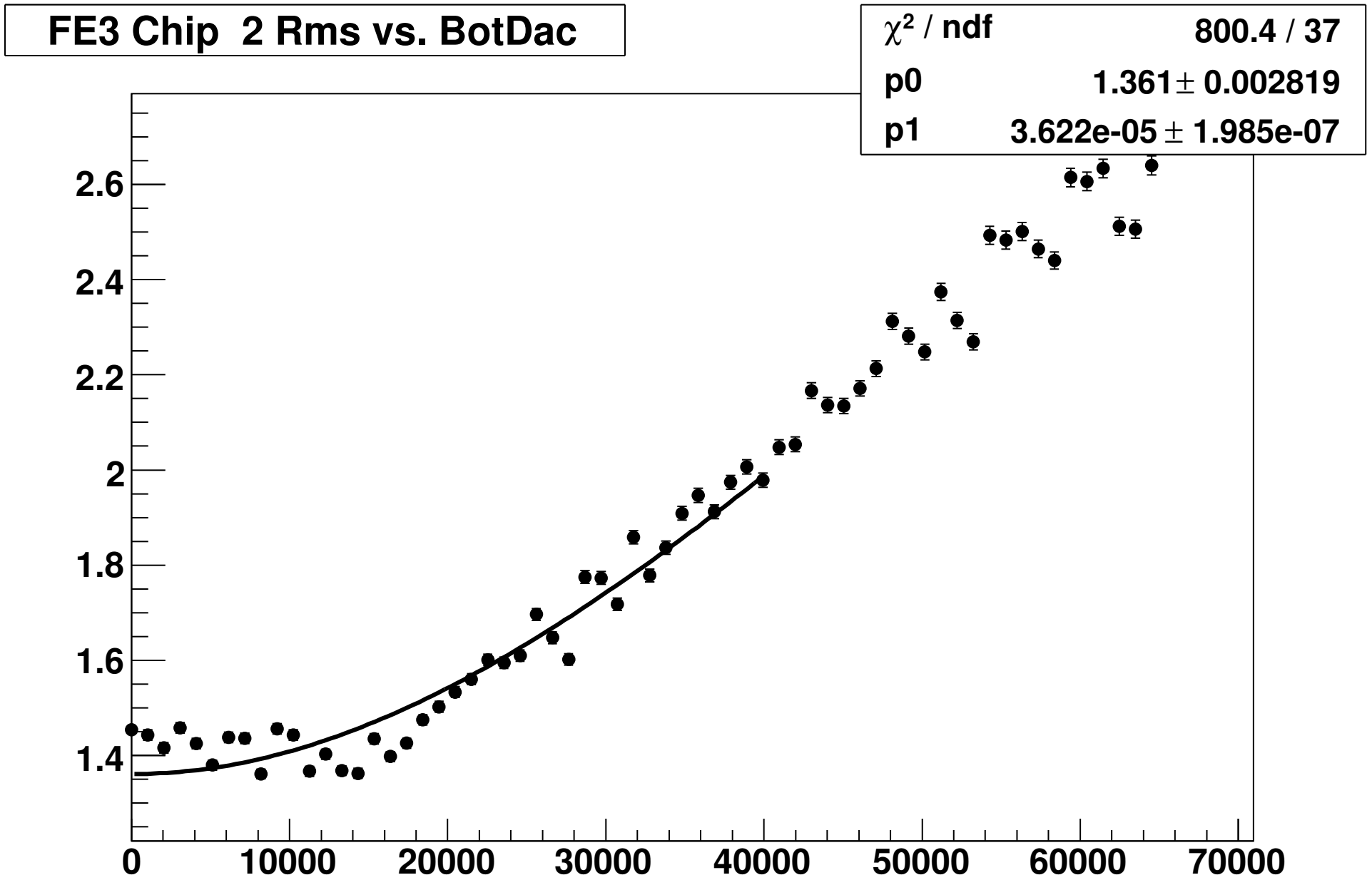

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 6.62e+04 / 37
p0 24.26 ± 0.005096
p1 0.4502 ± 2.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

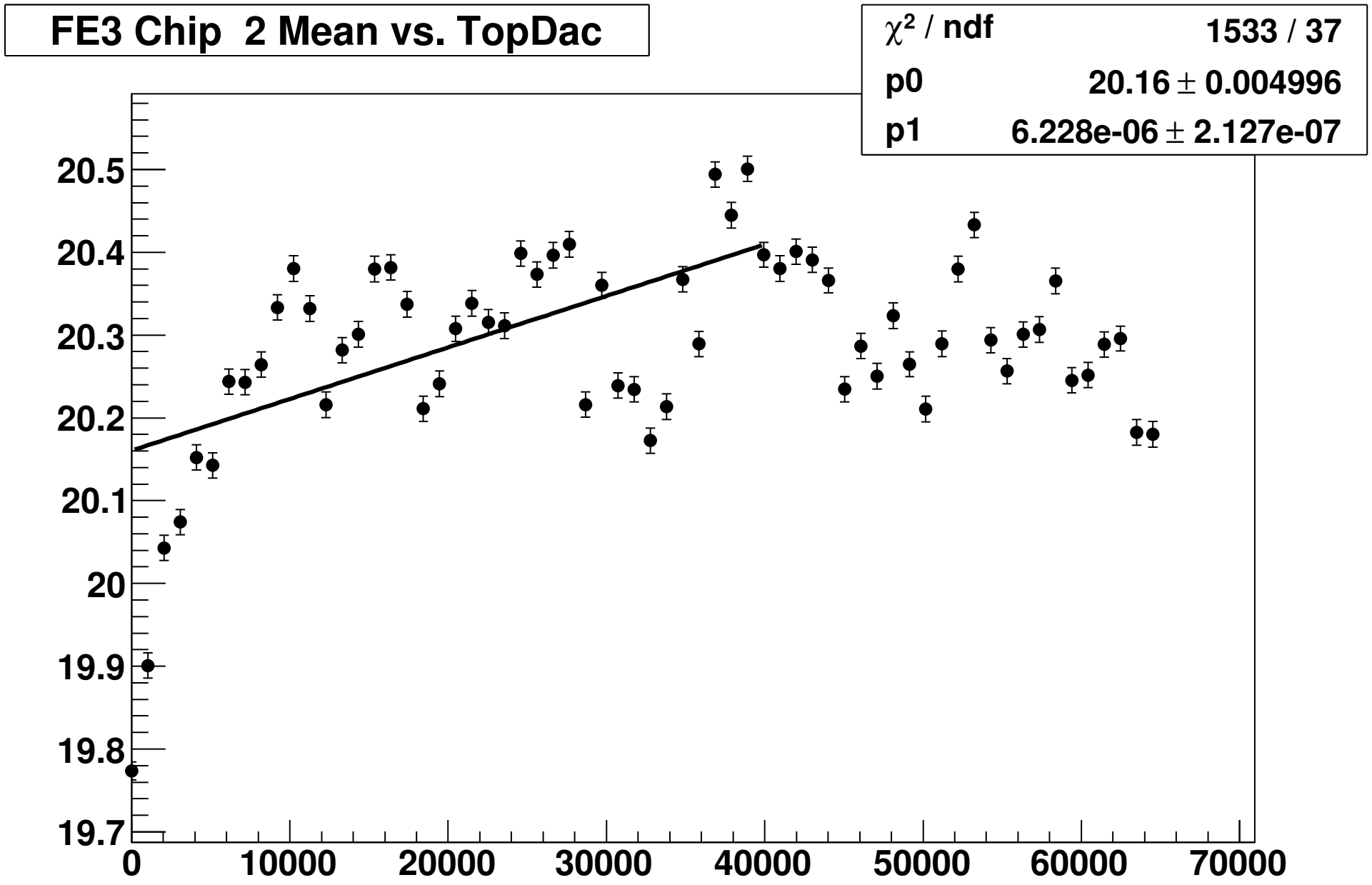

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 696.6 / 37
p0 1.352 ± 0.002807
p1 3.633e-05 ± 1.967e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

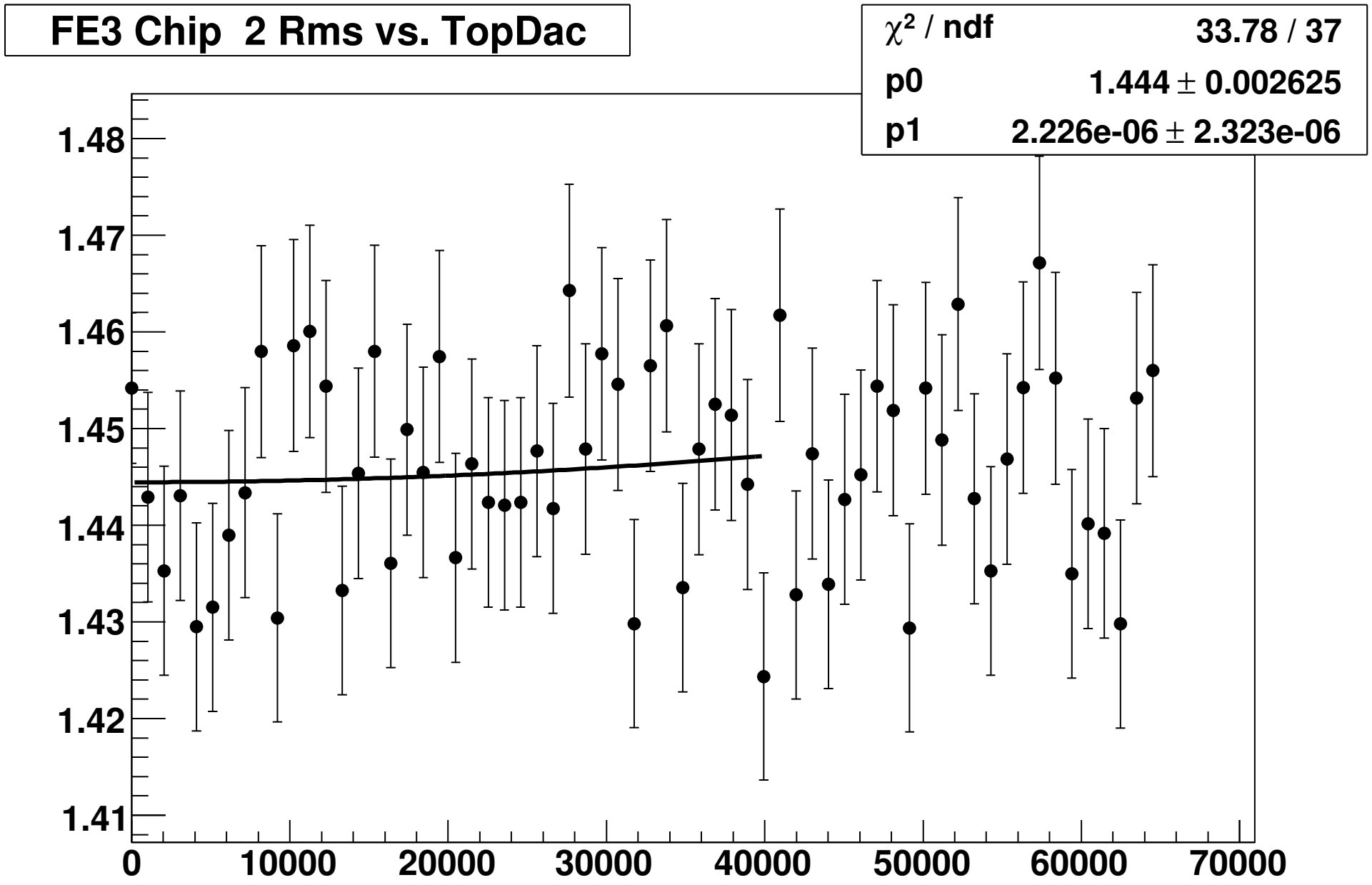

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1399 / 37
p0 24.86 ± 0.005118
p1 4.973e-06 ± 2.177e-07
25.2
25.1
25
24.9
24.8
24.7
24.6
24.5
0
10000
20000
30000
40000
50000
60000
70000

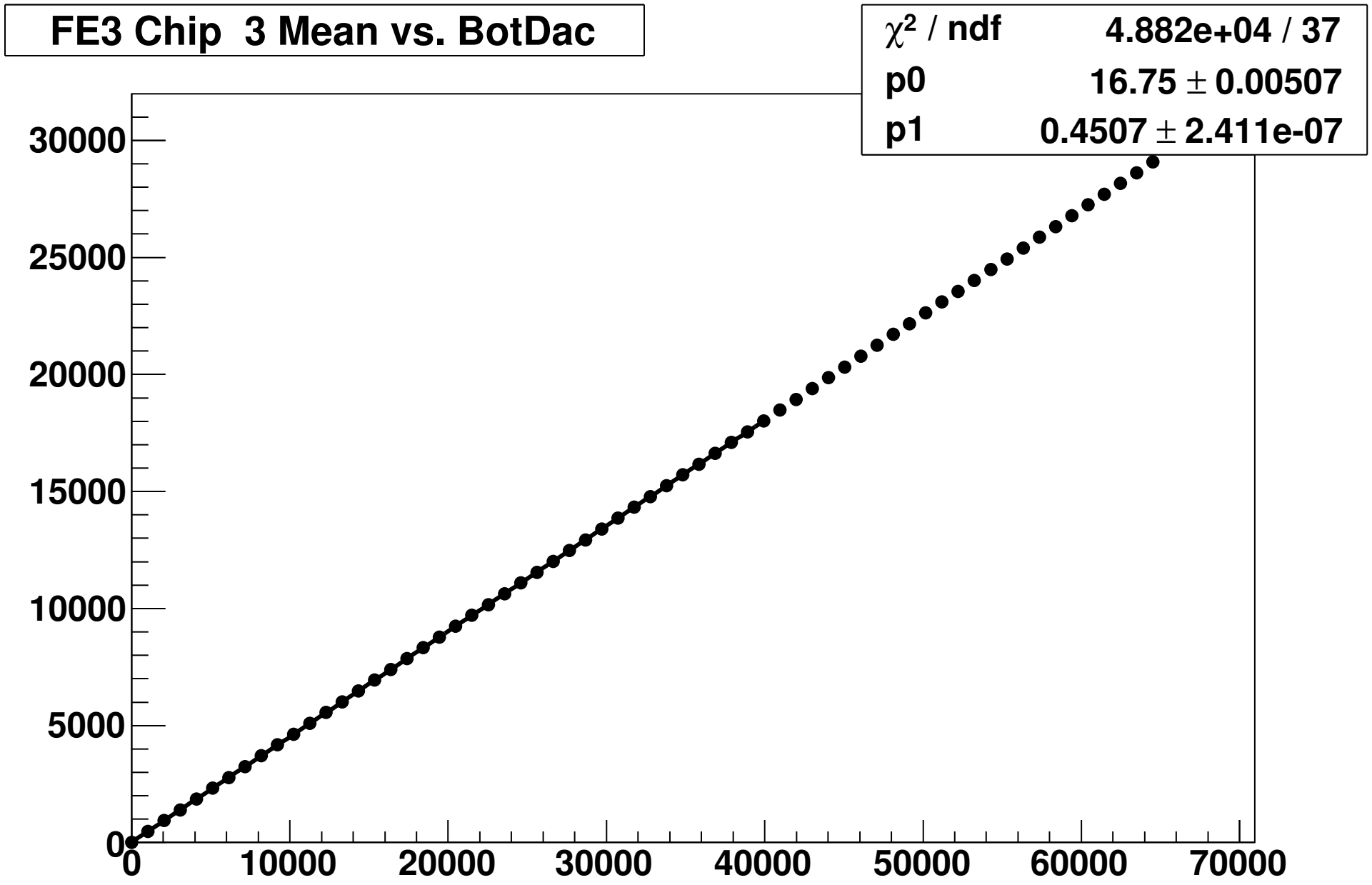

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 36.34 / 37
p0 1.477 ± 0.001778
p1 6.661e-15 ± 3.218e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

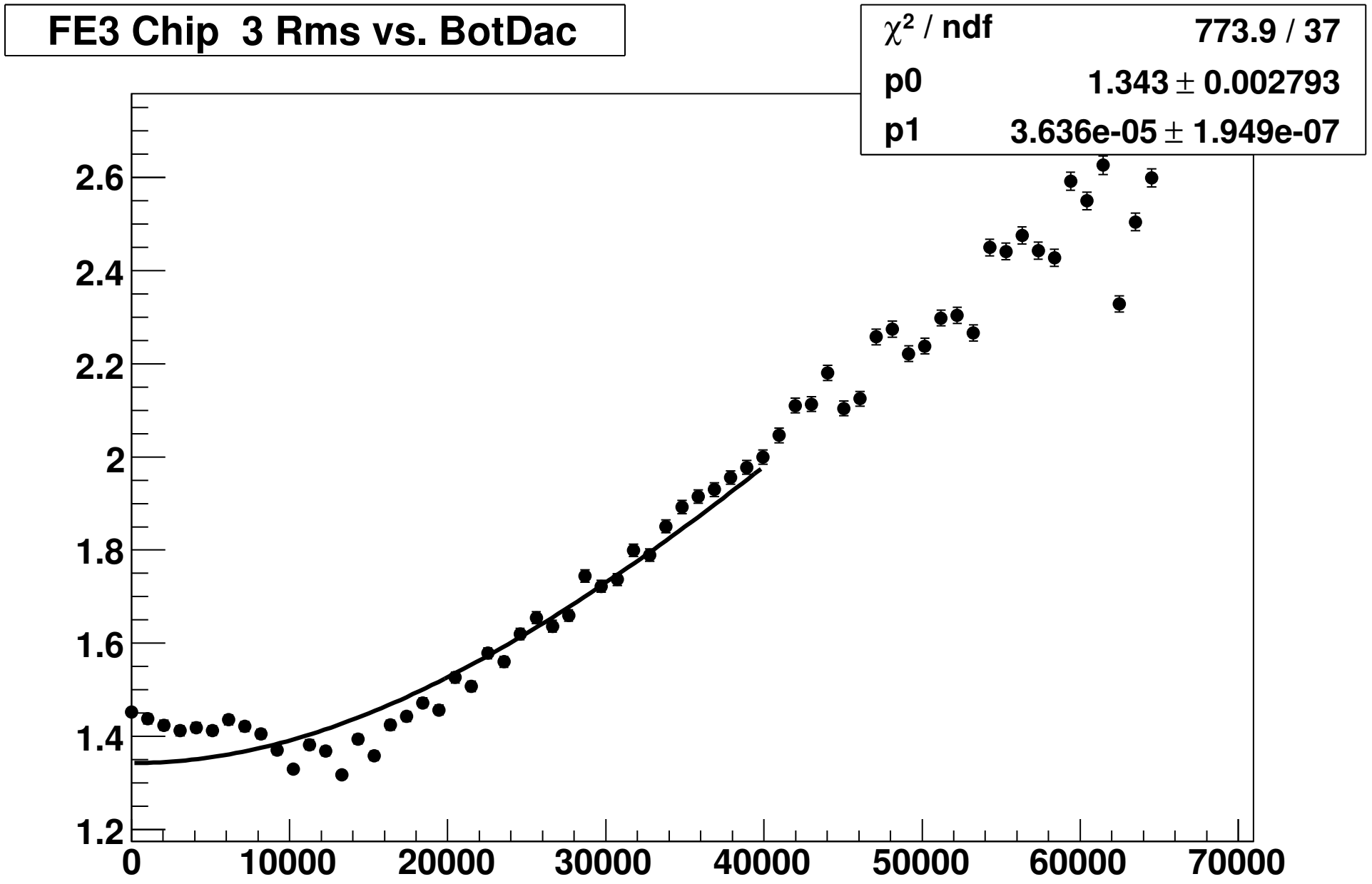

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 6.212e+04 / 37
p0 19.37 ± 0.005113
p1 0.4506 ± 2.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

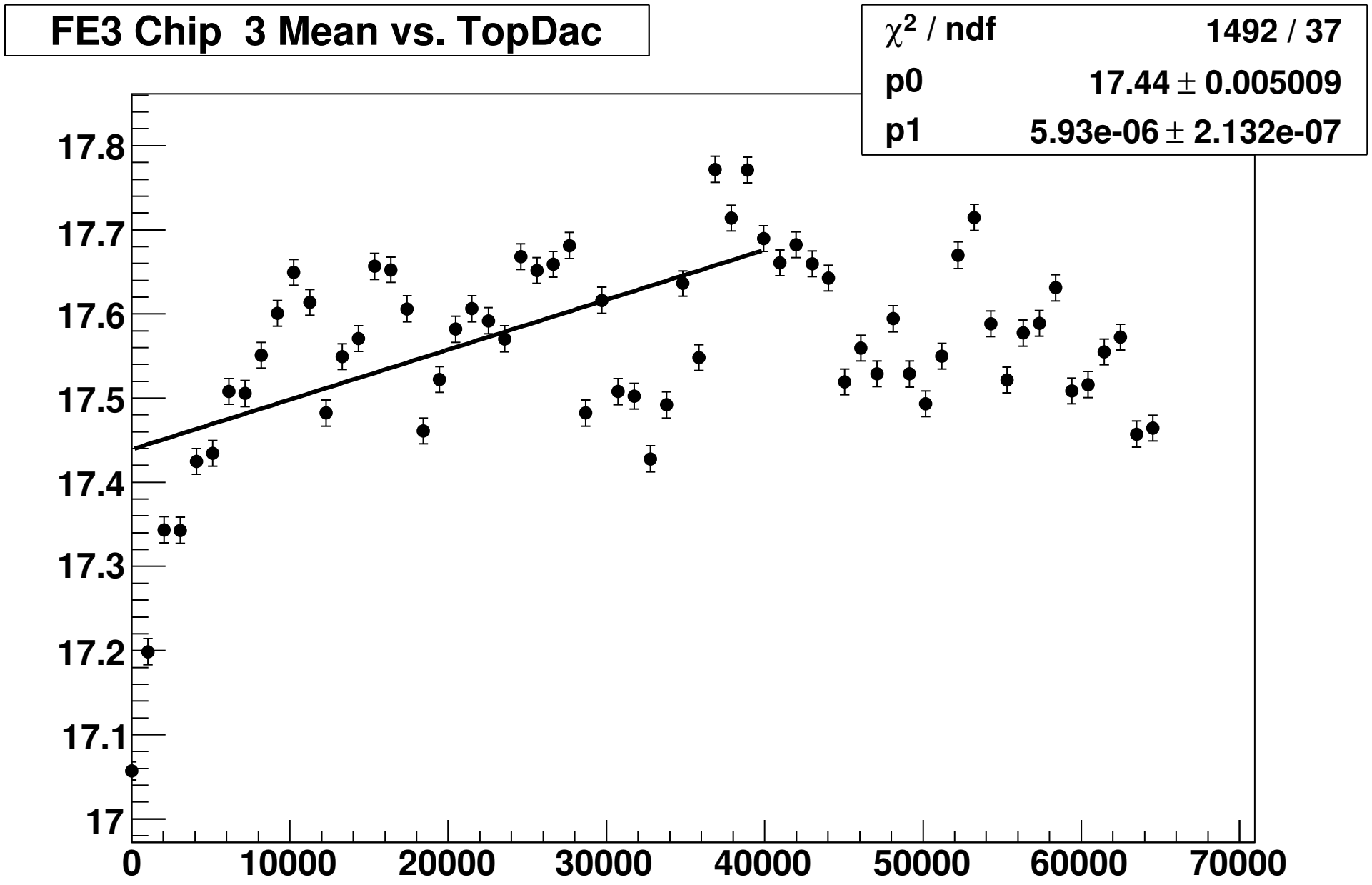

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 800.4 / 37
p0 1.361 ± 0.002819
p1 3.622e-05 ± 1.985e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

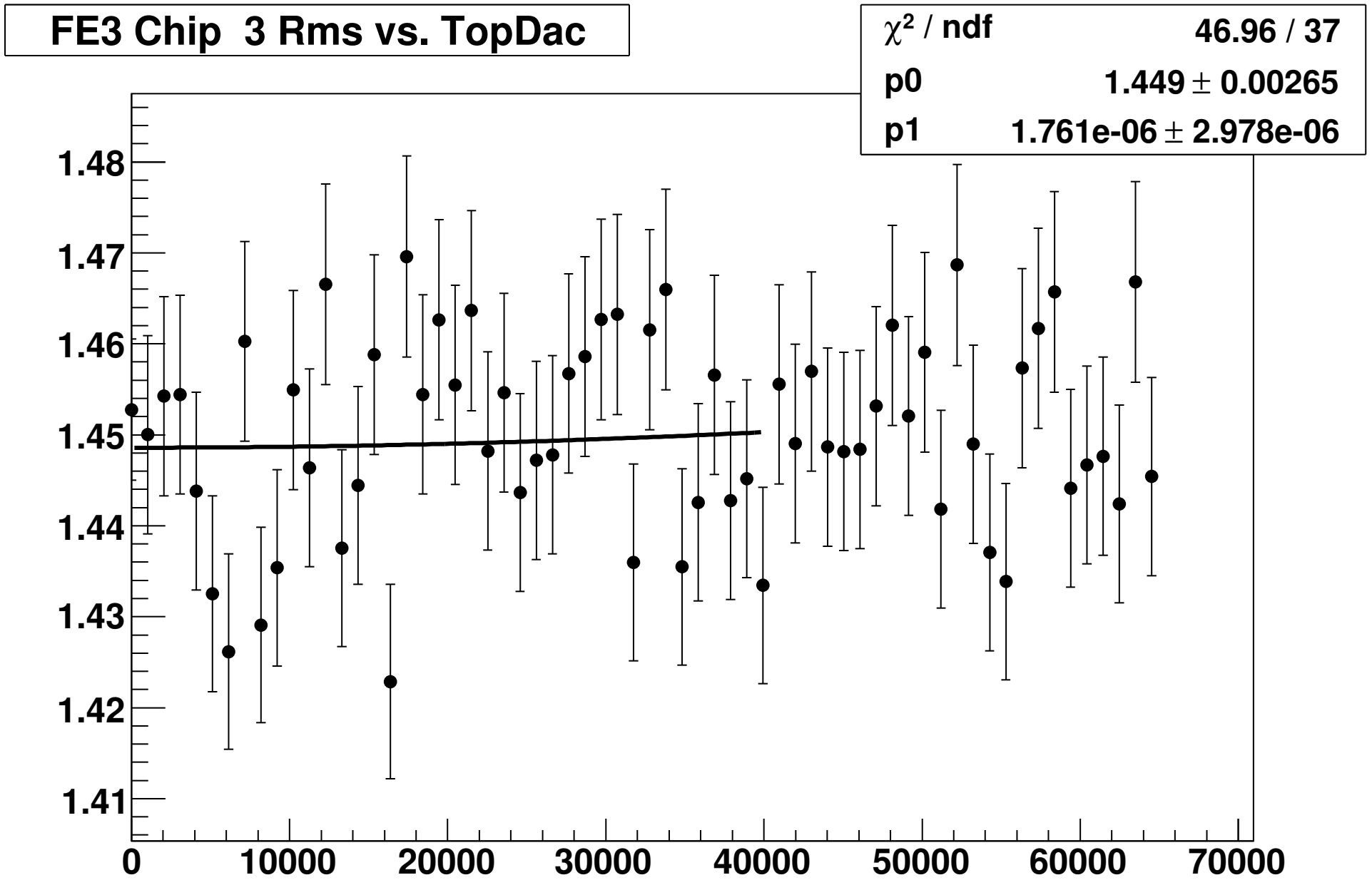

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1533 / 37
p0 20.16 ± 0.004996
p1 6.228e-06 ± 2.127e-07
20.5
20.4
20.3
20.2
20.1
20
19.9
19.8
19.7
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 33.78 / 37
p0 1.444 ± 0.002625
p1 2.226e-06 ± 2.323e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 4.882e+04 / 37
p0 16.75 ± 0.00507
p1 0.4507 ± 2.411e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 773.9 / 37
p0 1.343 ± 0.002793
p1 3.636e-05 ± 1.949e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1492 / 37
p0 17.44 ± 0.005009
p1 5.93e-06 ± 2.132e-07
17.8
17.7
17.6
17.5
17.4
17.3
17.2
17.1
17
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 46.96 / 37
p0 1.449 ± 0.00265
p1 1.761e-06 ± 2.978e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
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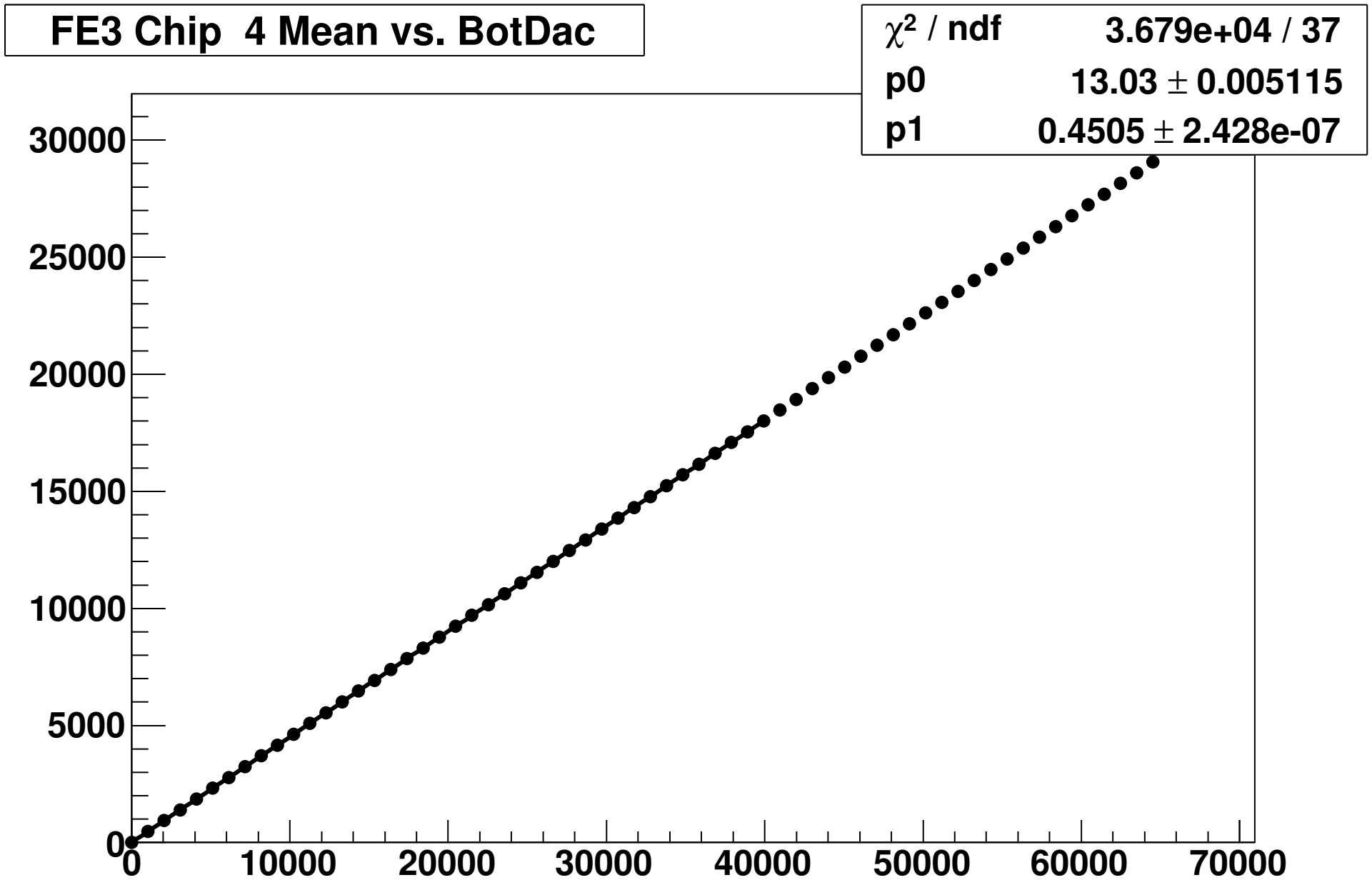
FE3 Chip 4 Mean vs. BotDac
χ² / ndf 3.679e+04 / 37
p0 13.03 ± 0.005115
p1 0.4505 ± 2.428e-07
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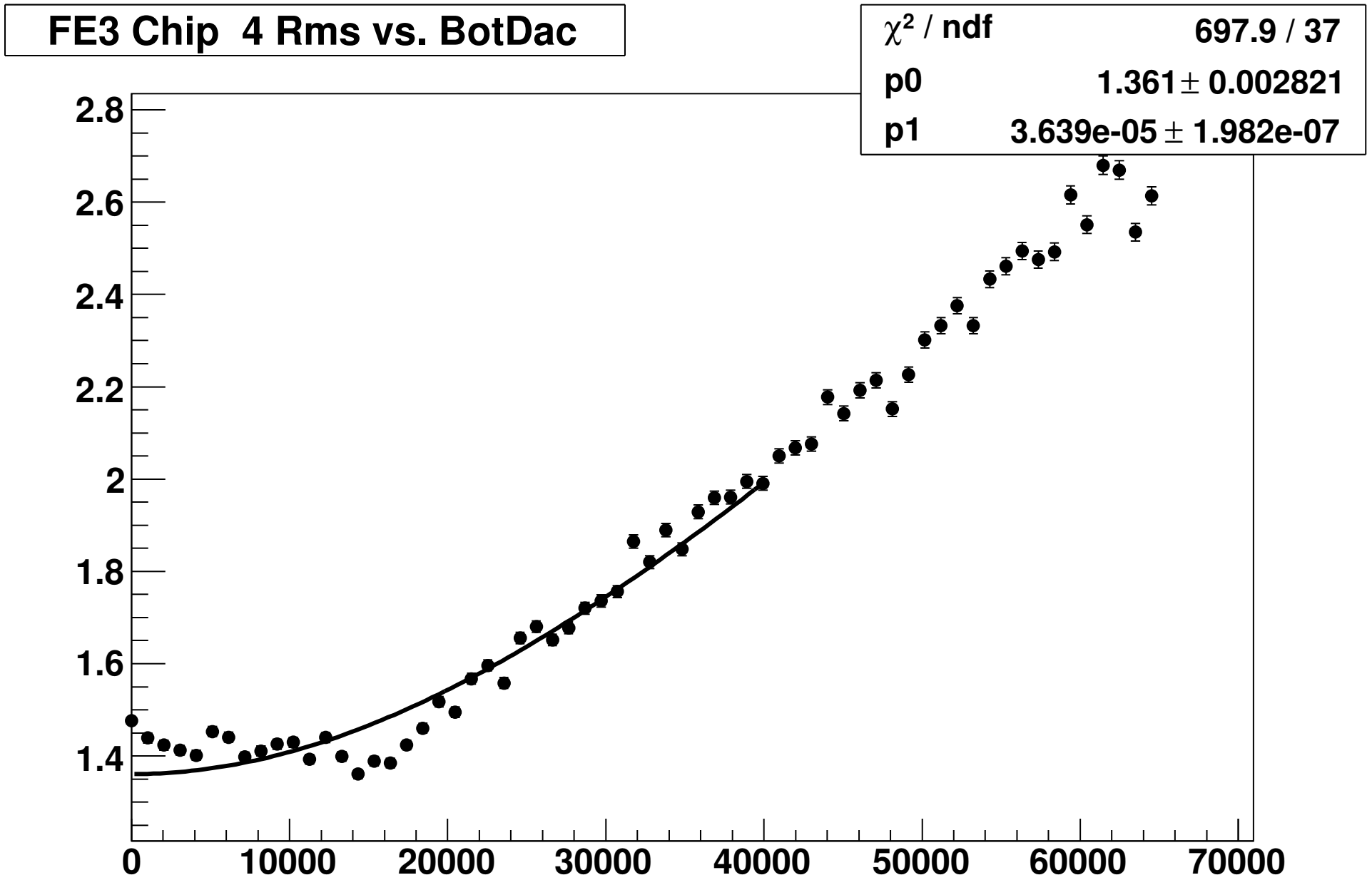
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 697.9 / 37
p0 1.361 ± 0.002821
p1 3.639e-05 ± 1.982e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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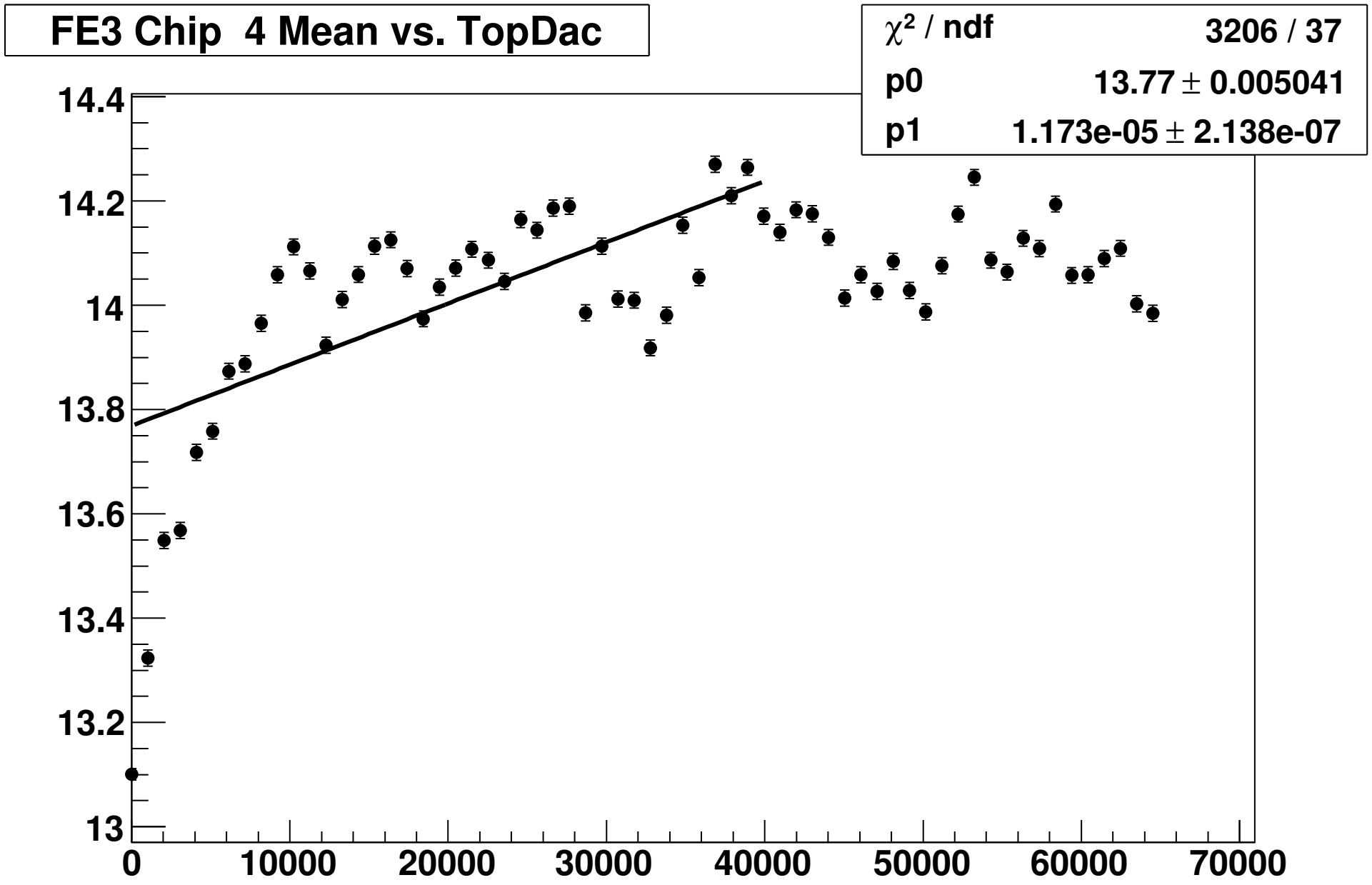
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 3206 / 37
p0 13.77 ± 0.005041
p1 1.173e-05 ± 2.138e-07
14.4
14.2
14
13.8
13.6
13.4
13.2
13
0
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50000
60000
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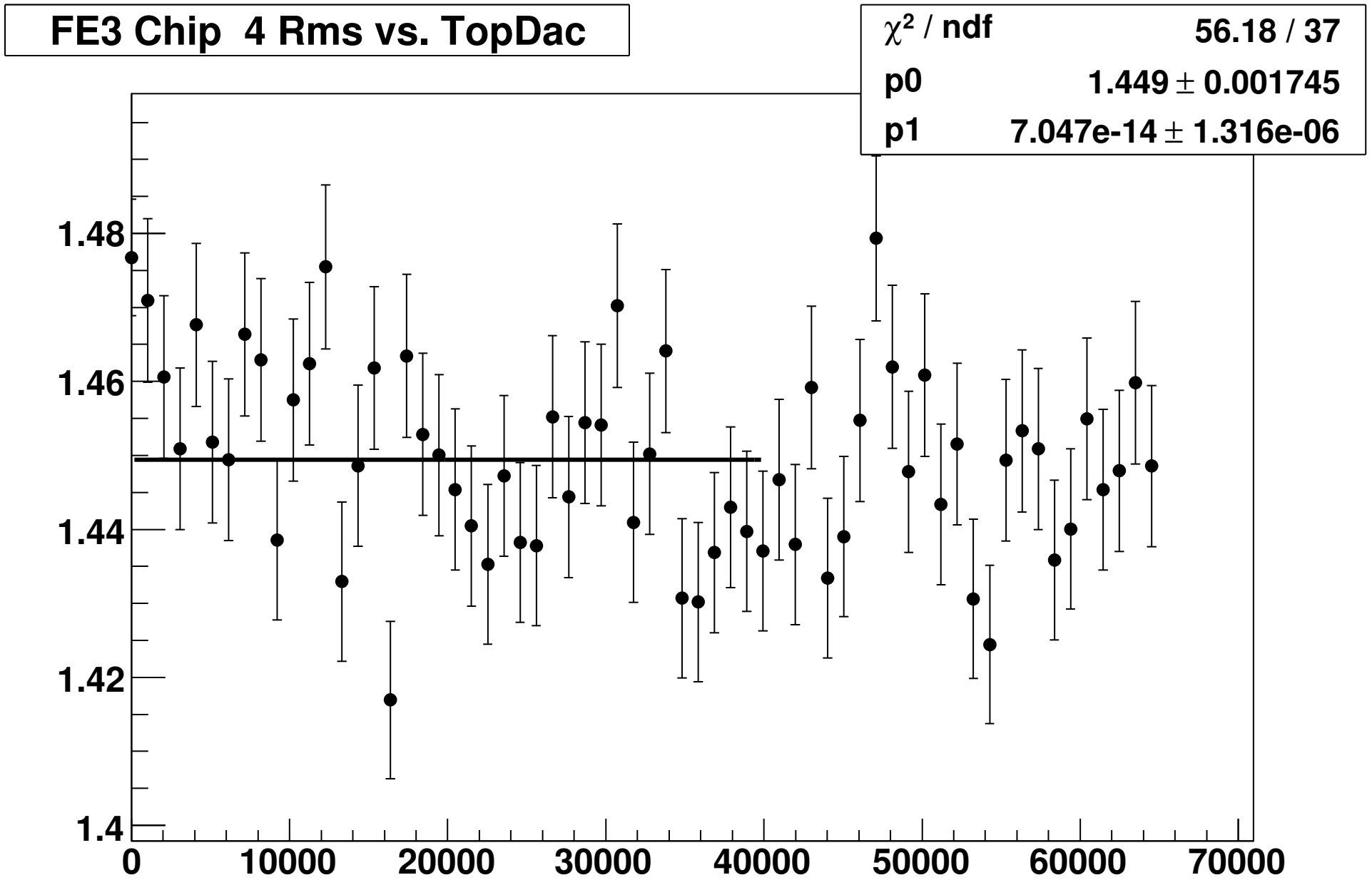
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 56.18 / 37
p0 1.449 ± 0.001745
p1 7.047e-14 ± 1.316e-06
1.48
1.46
1.44
1.42
1.4
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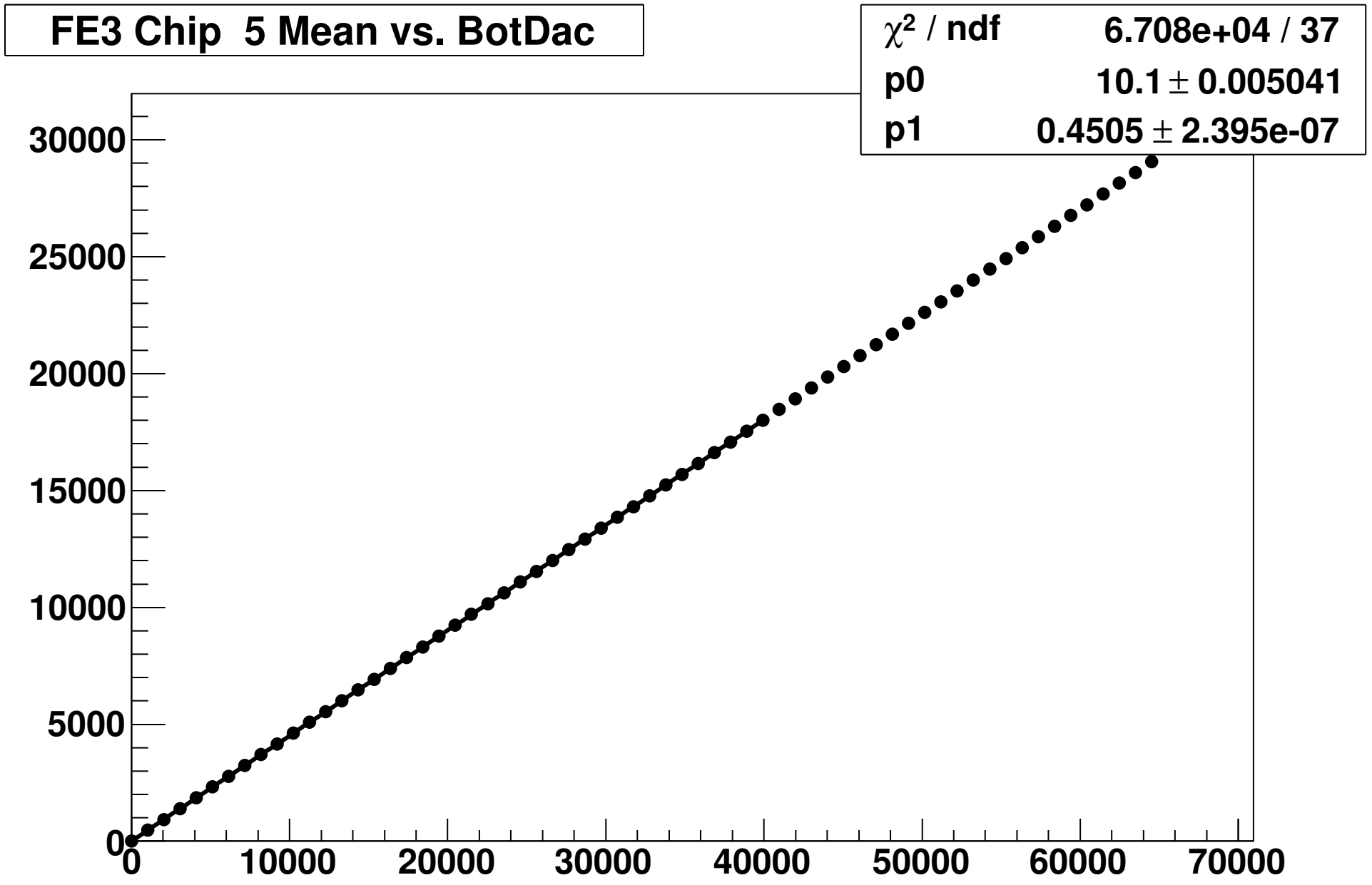
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 6.708e+04 / 37
p0 10.1 ± 0.005041
p1 0.4505 ± 2.395e-07
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15000
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5000
0
0
10000
20000
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40000
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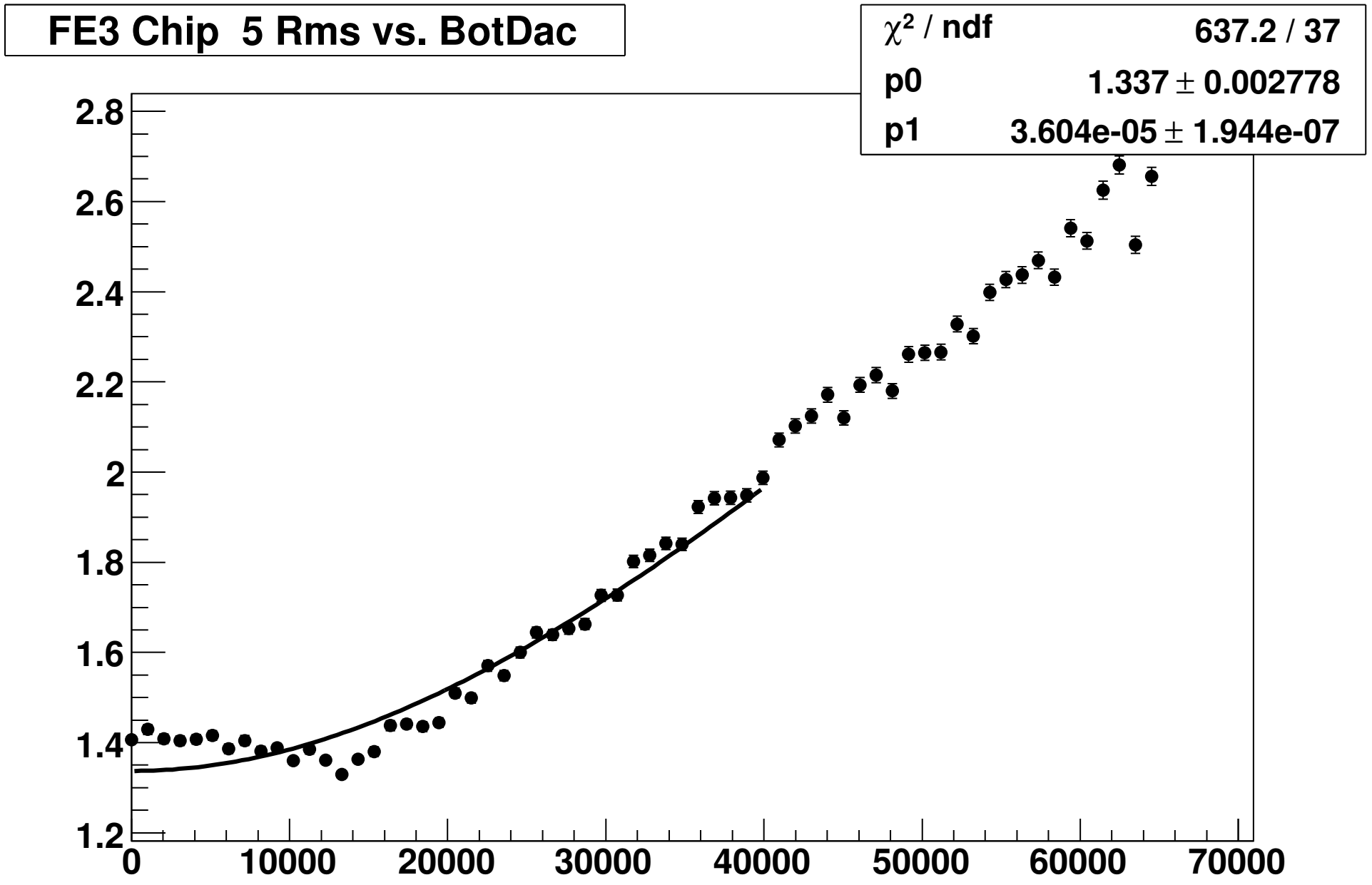
FE3 Chip 5 Rms vs. BotDac
χ² / ndf 637.2 / 37
p0 1.337 ± 0.002778
p1 3.604e-05 ± 1.944e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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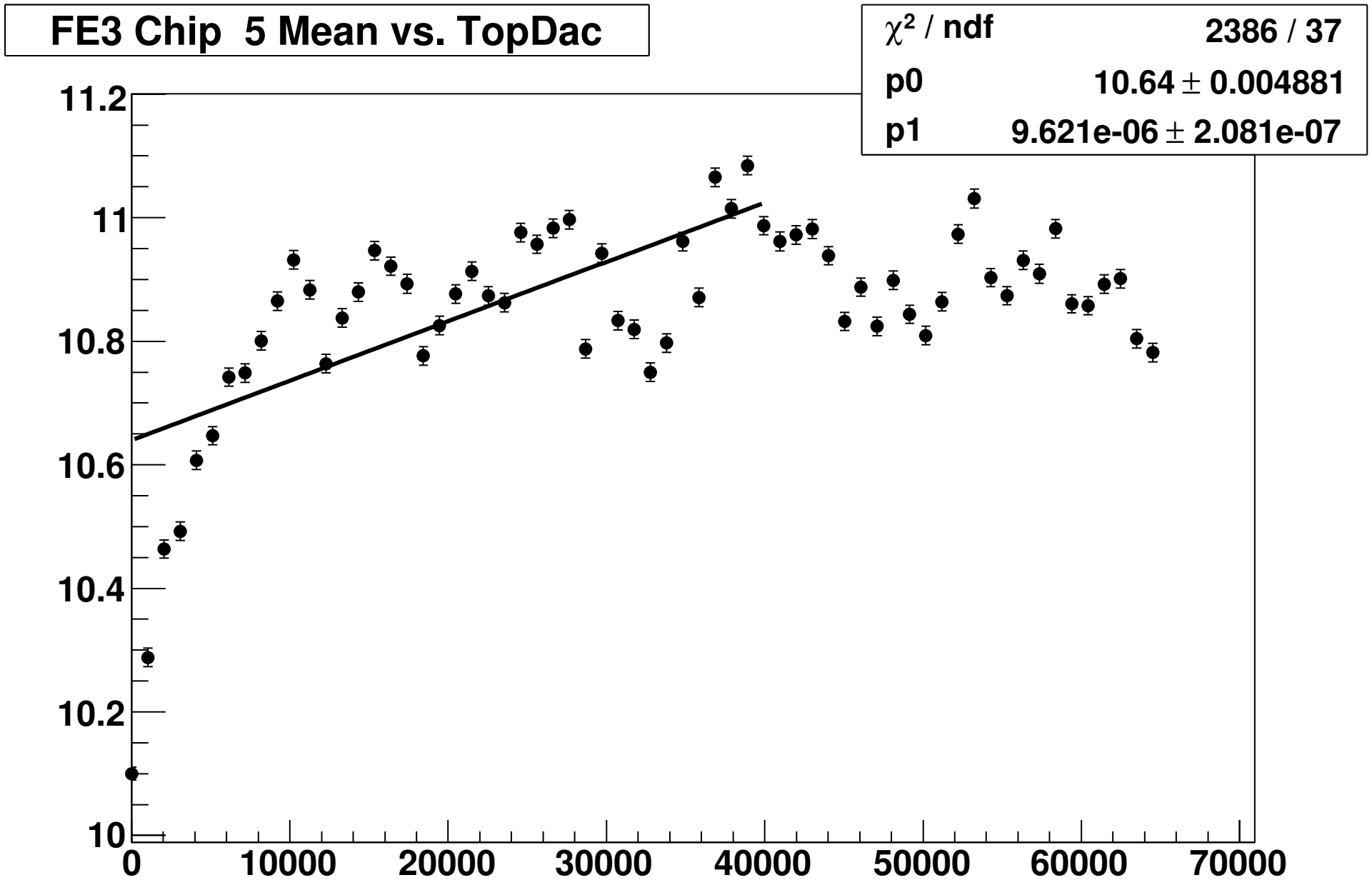
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 2386 / 37
p0 10.64 ± 0.004881
p1 9.621e-06 ± 2.081e-07
11.2
11
10.8
10.6
10.4
10.2
10
0
10000
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40000
50000
60000
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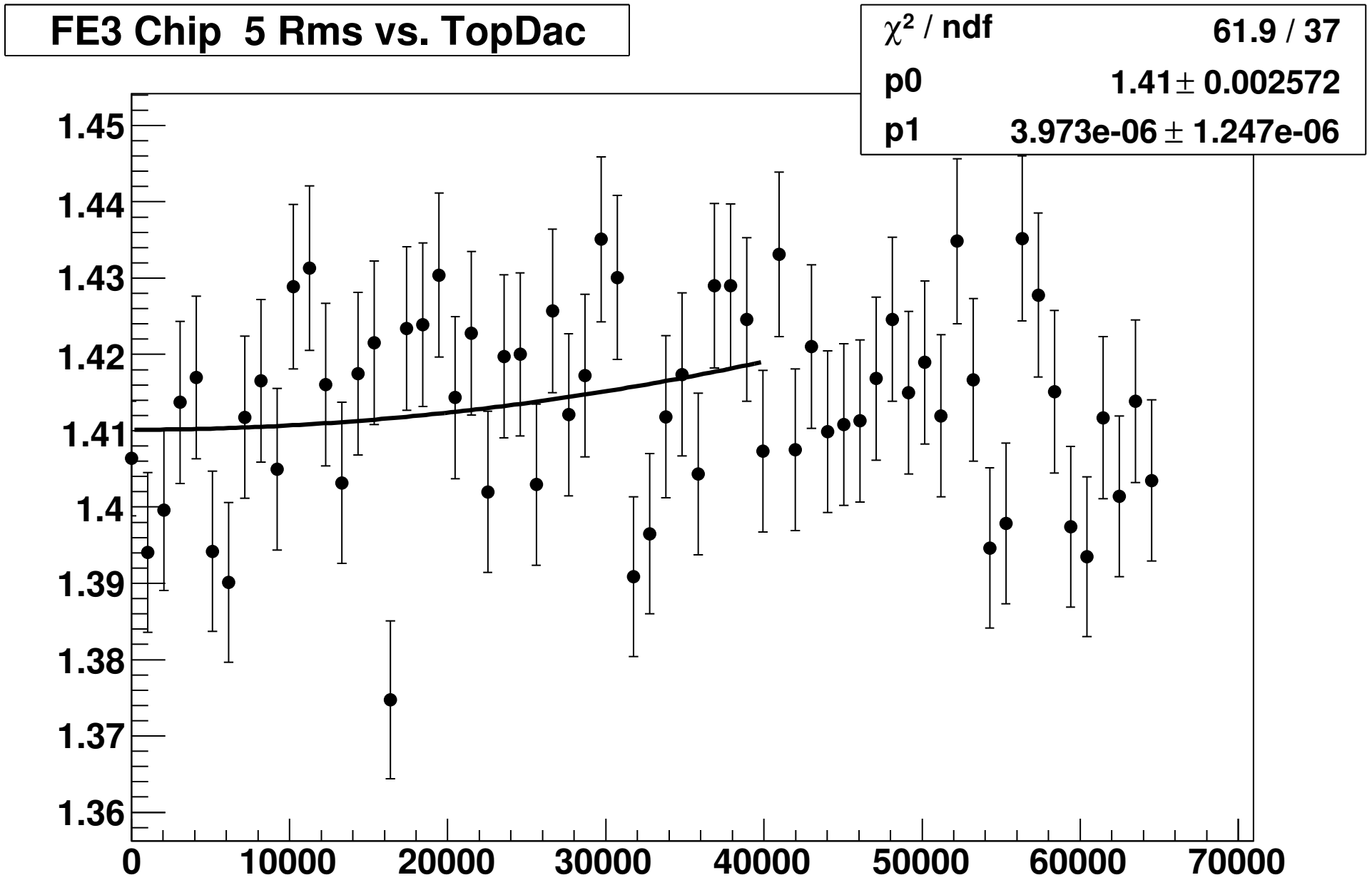
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 61.9 / 37
p0 1.41 ± 0.002572
p1 3.973e-06 ± 1.247e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
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60000
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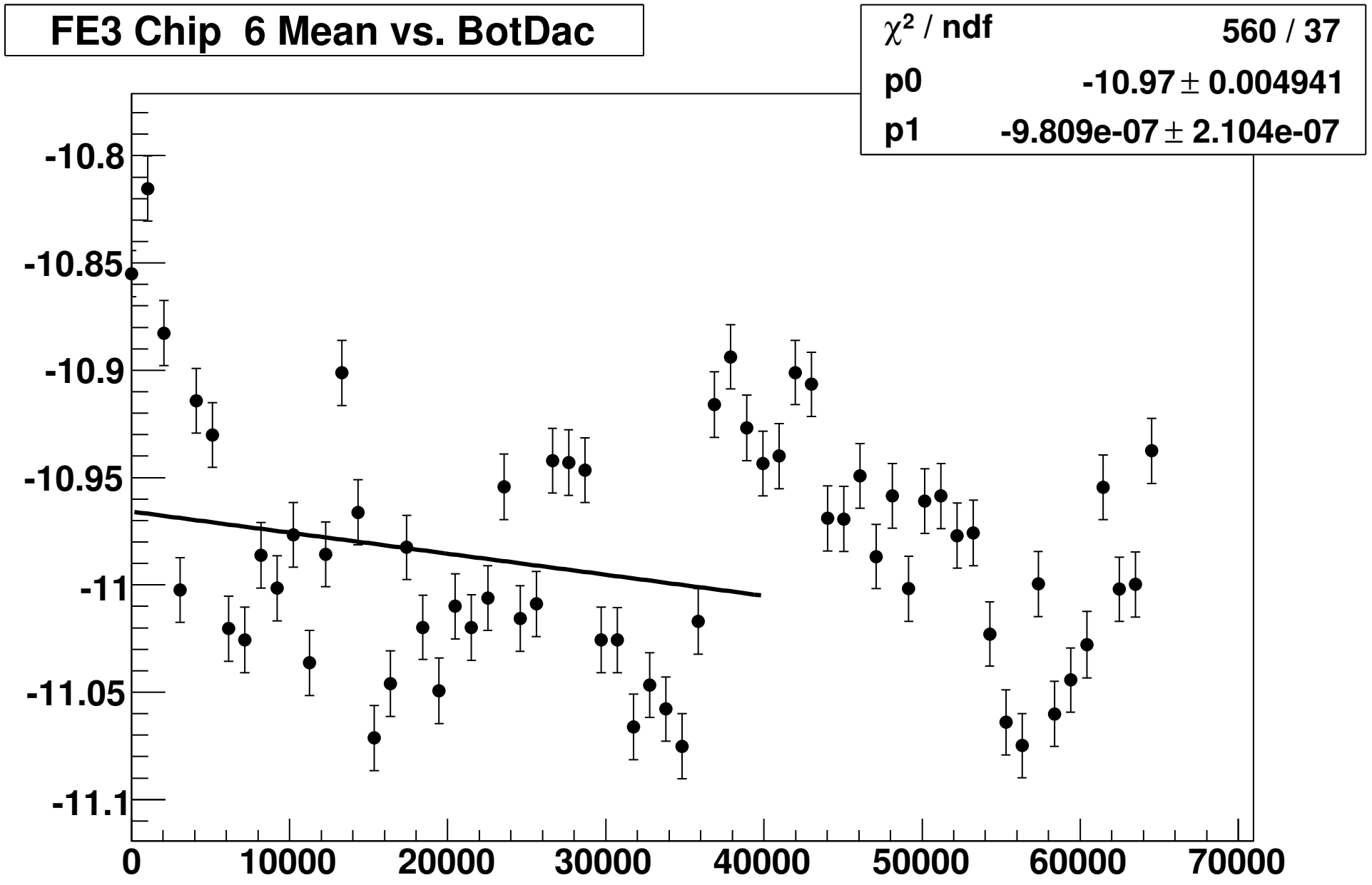
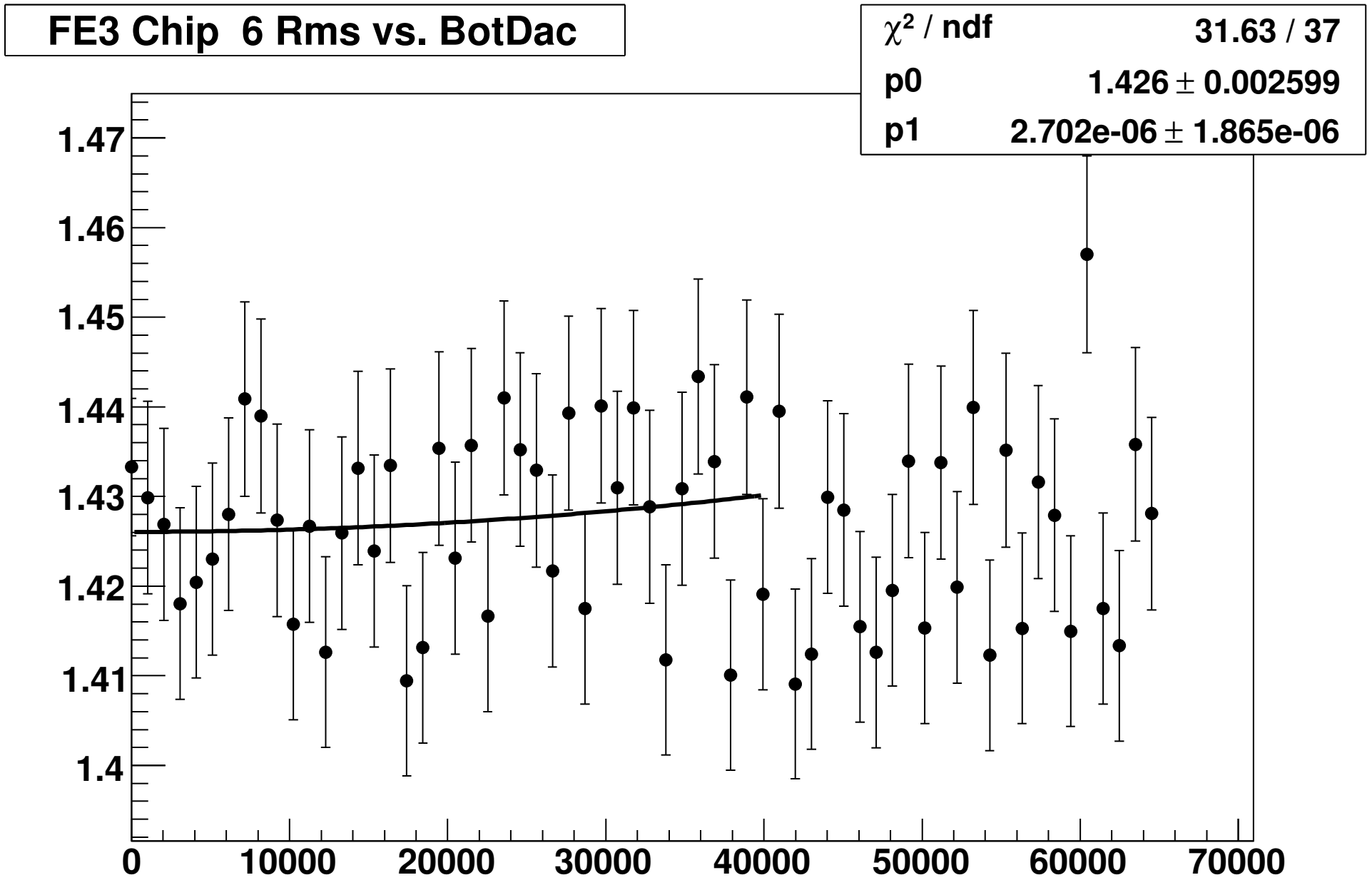

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 560 / 37
p0 -10.97 ± 0.004941
p1 -9.809e-07 ± 2.104e-07
-10.8
-10.85
-10.9
-10.95
-11
-11.05
-11.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 31.63 / 37
p0 1.426 ± 0.002599
p1 2.702e-06 ± 1.865e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
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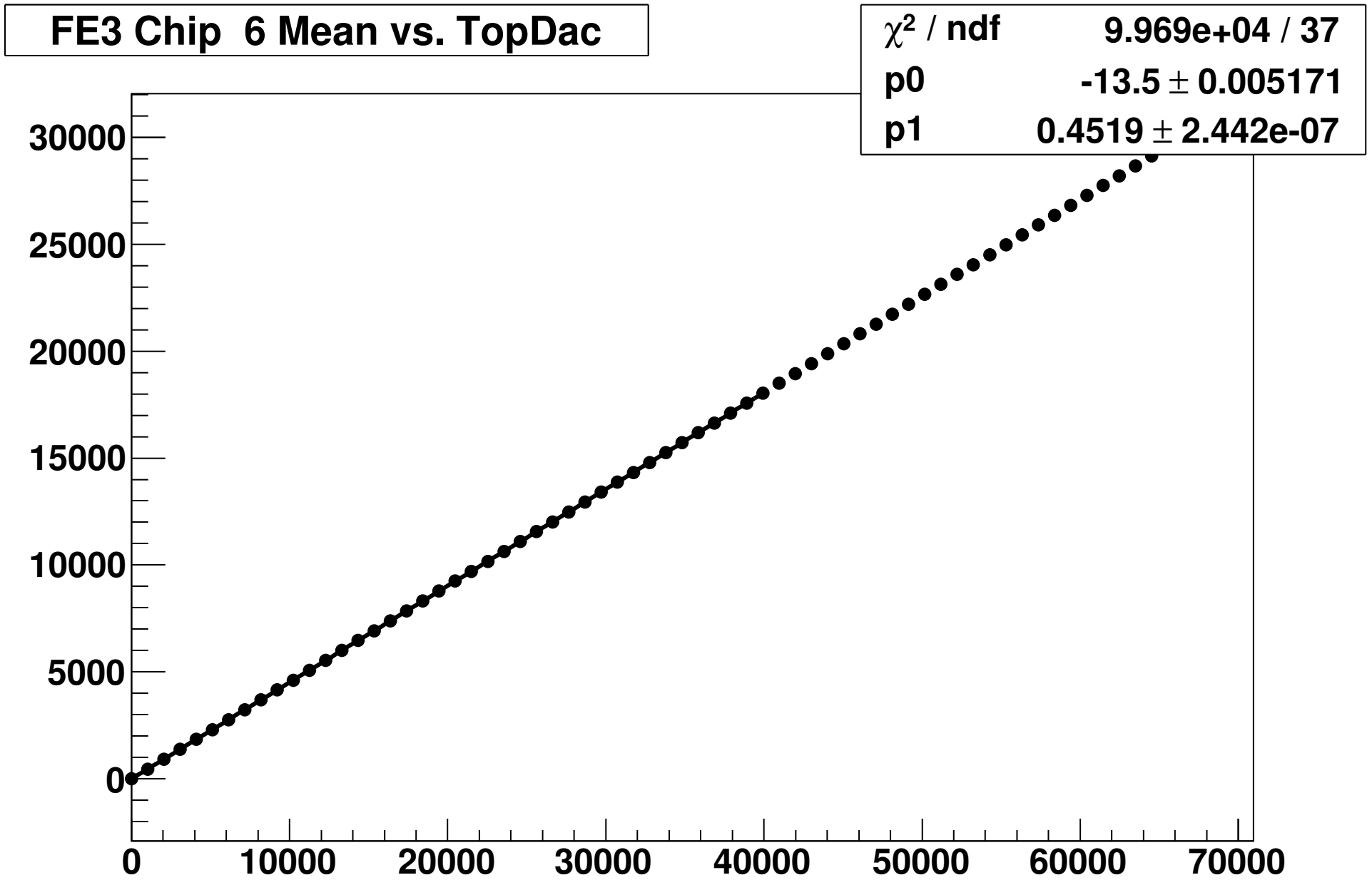
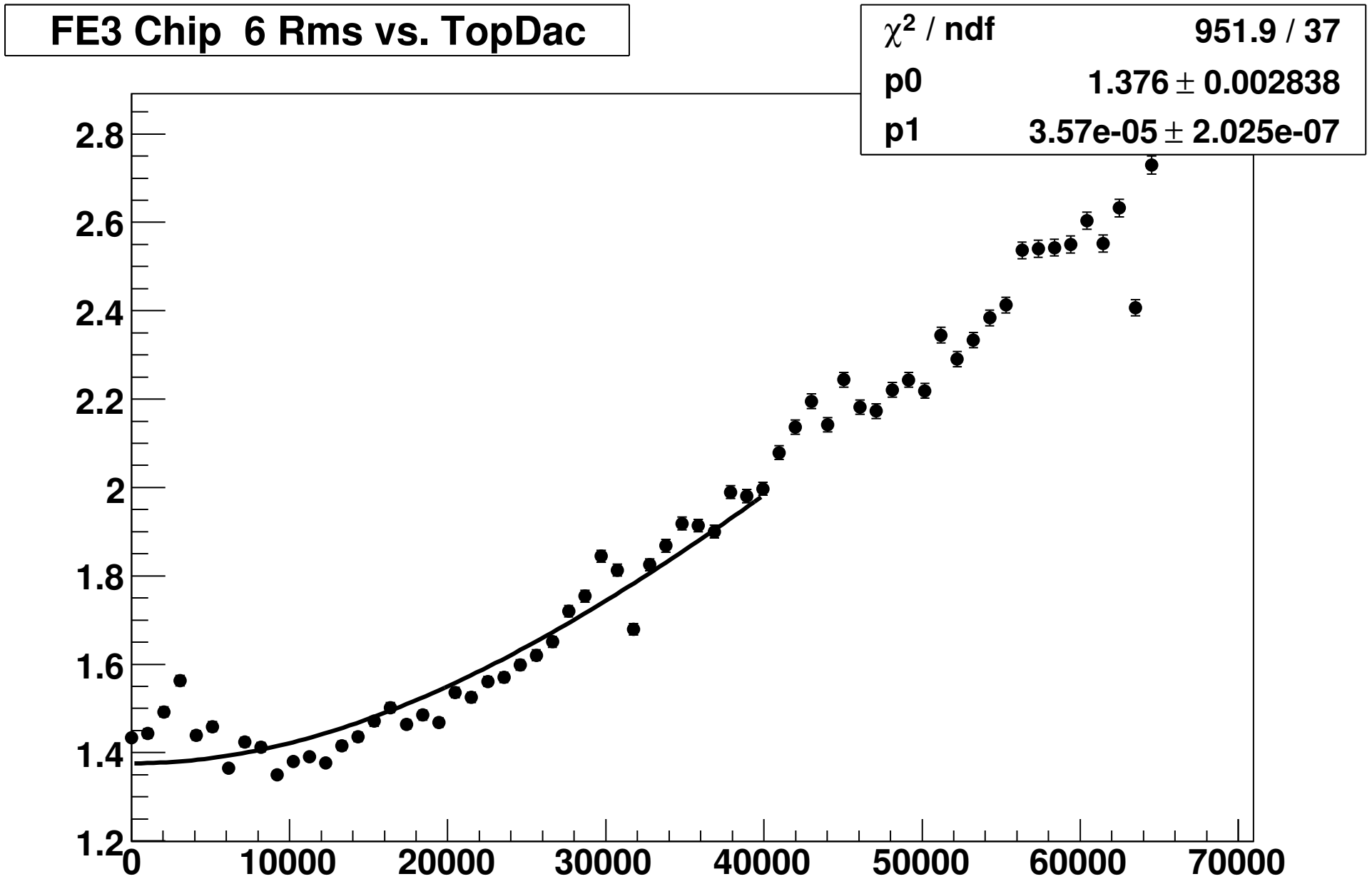

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 9.969e+04 / 37
p0 -13.5 ± 0.005171
p1 0.4519 ± 2.442e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 951.9 / 37
p0 1.376 ± 0.002838
p1 3.57e-05 ± 2.025e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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60000
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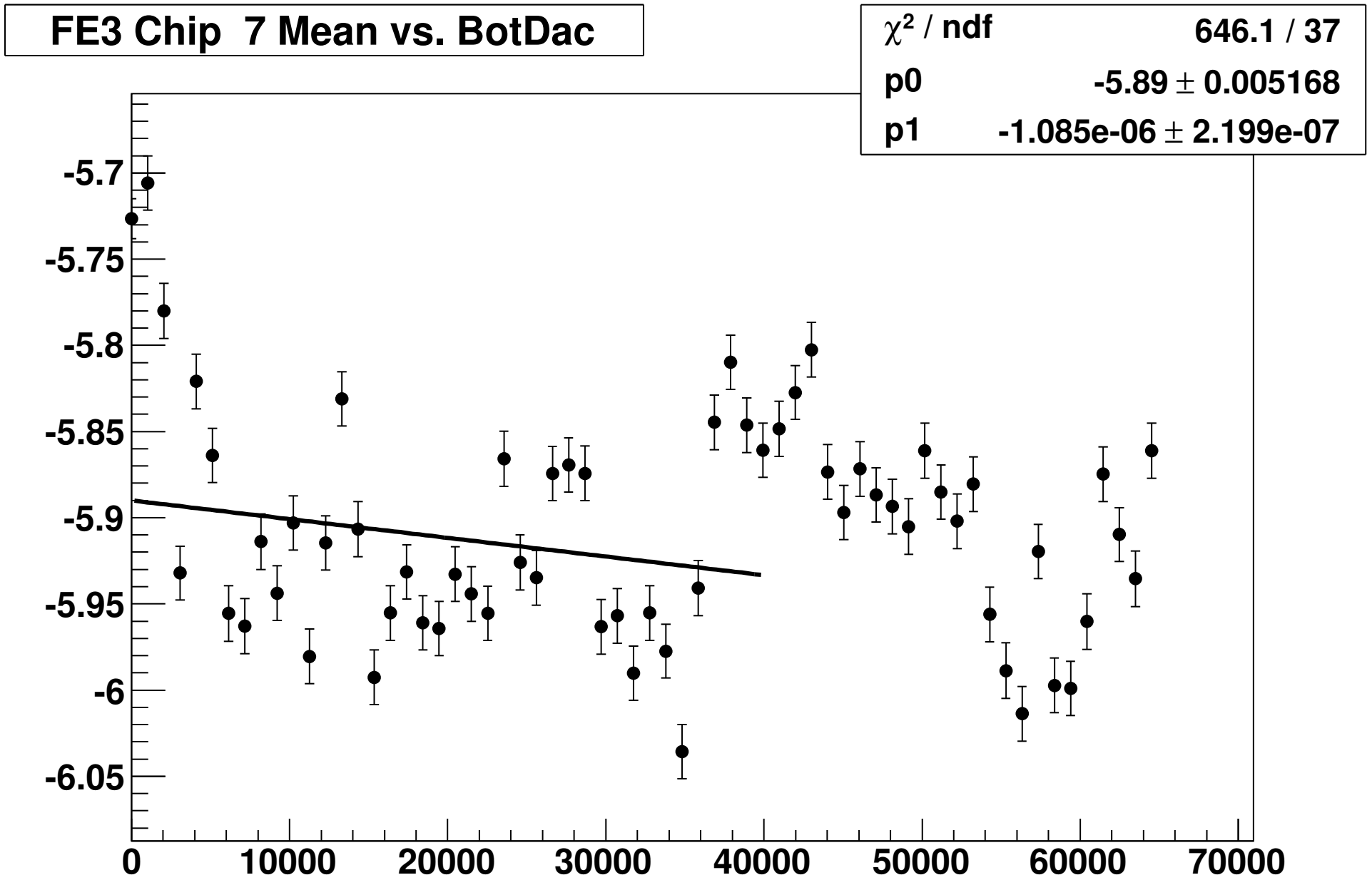
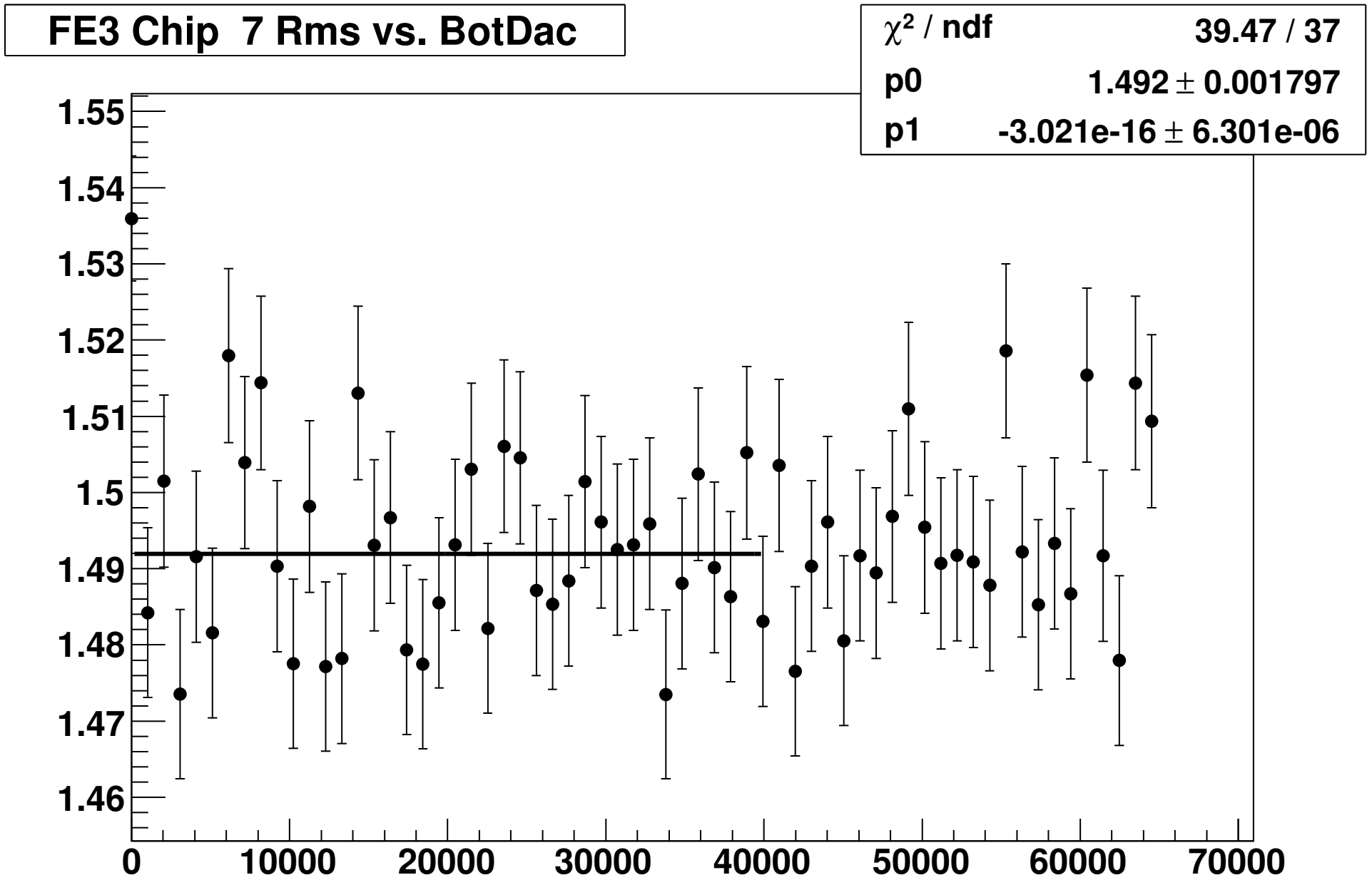
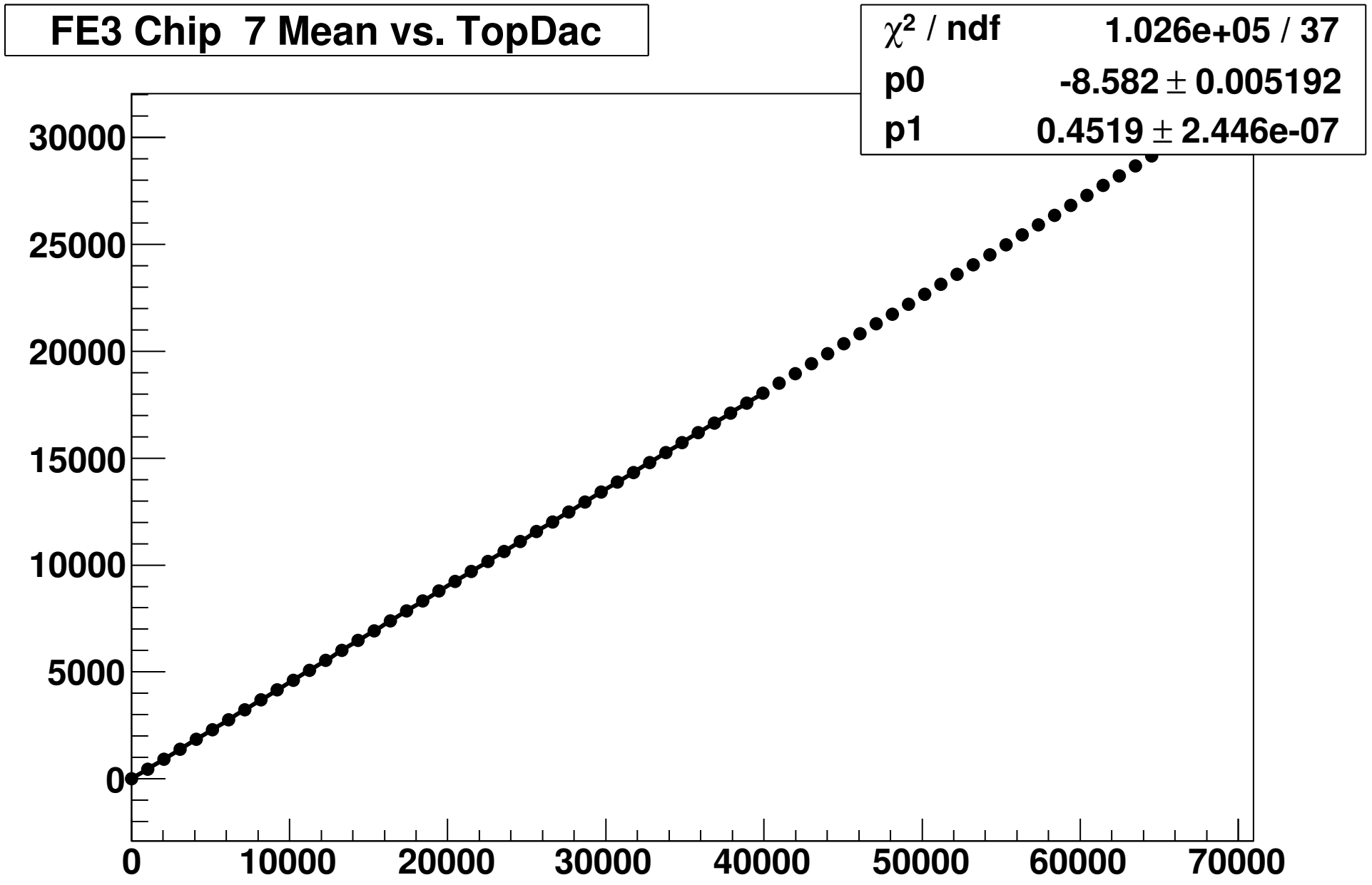
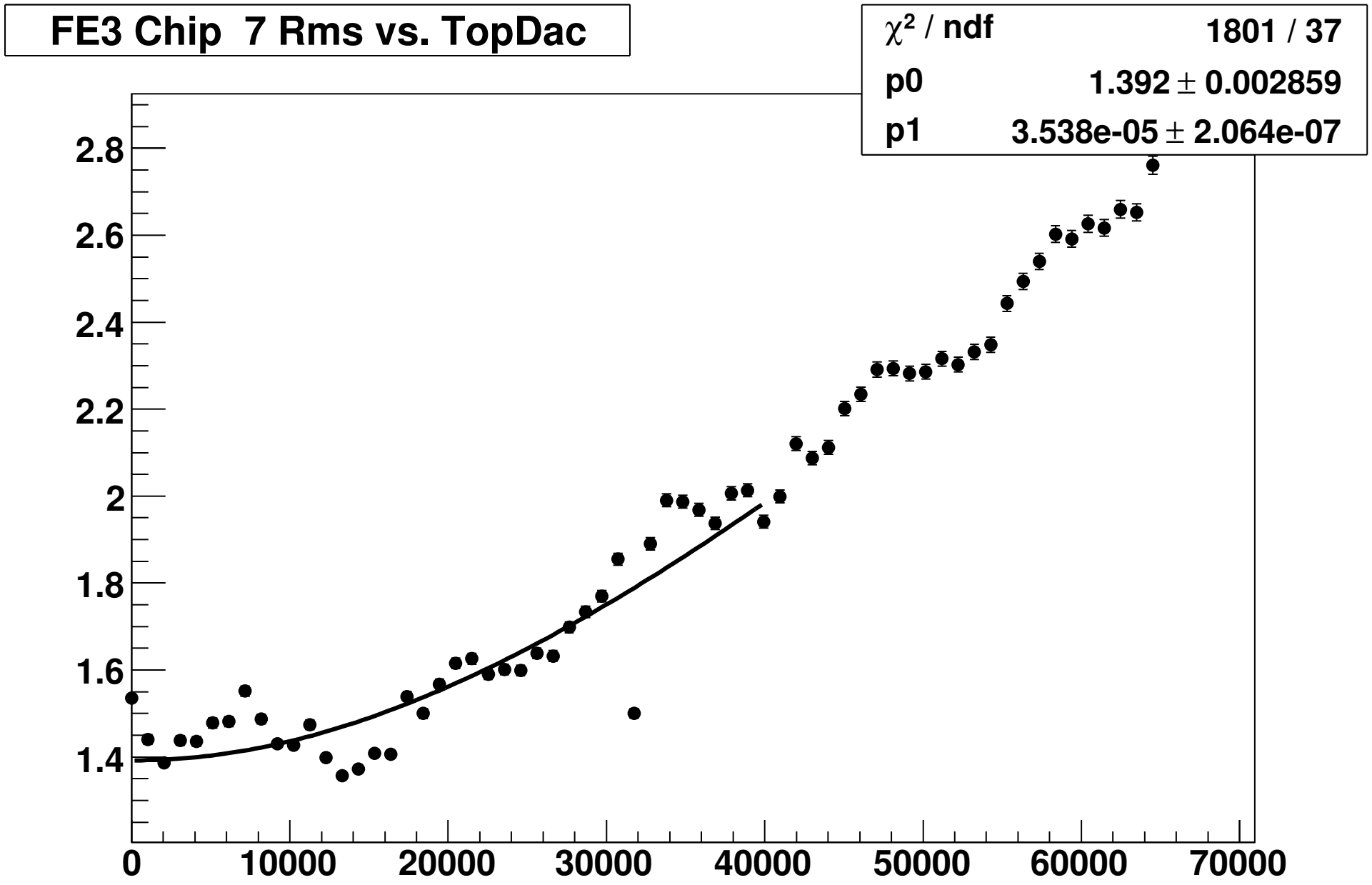

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 646.1 / 37
p0 -5.89 ± 0.005168
p1 -1.085e-06 ± 2.199e-07
-5.7
-5.75
-5.8
-5.85
-5.9
-5.95
-6
-6.05
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 39.47 / 37
p0 1.492 ± 0.001797
p1 -3.021e-16 ± 6.301e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.026e+05 / 37
p0 -8.582 ± 0.005192
p1 0.4519 ± 2.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1801 / 37
p0 1.392 ± 0.002859
p1 3.538e-05 ± 2.064e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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60000
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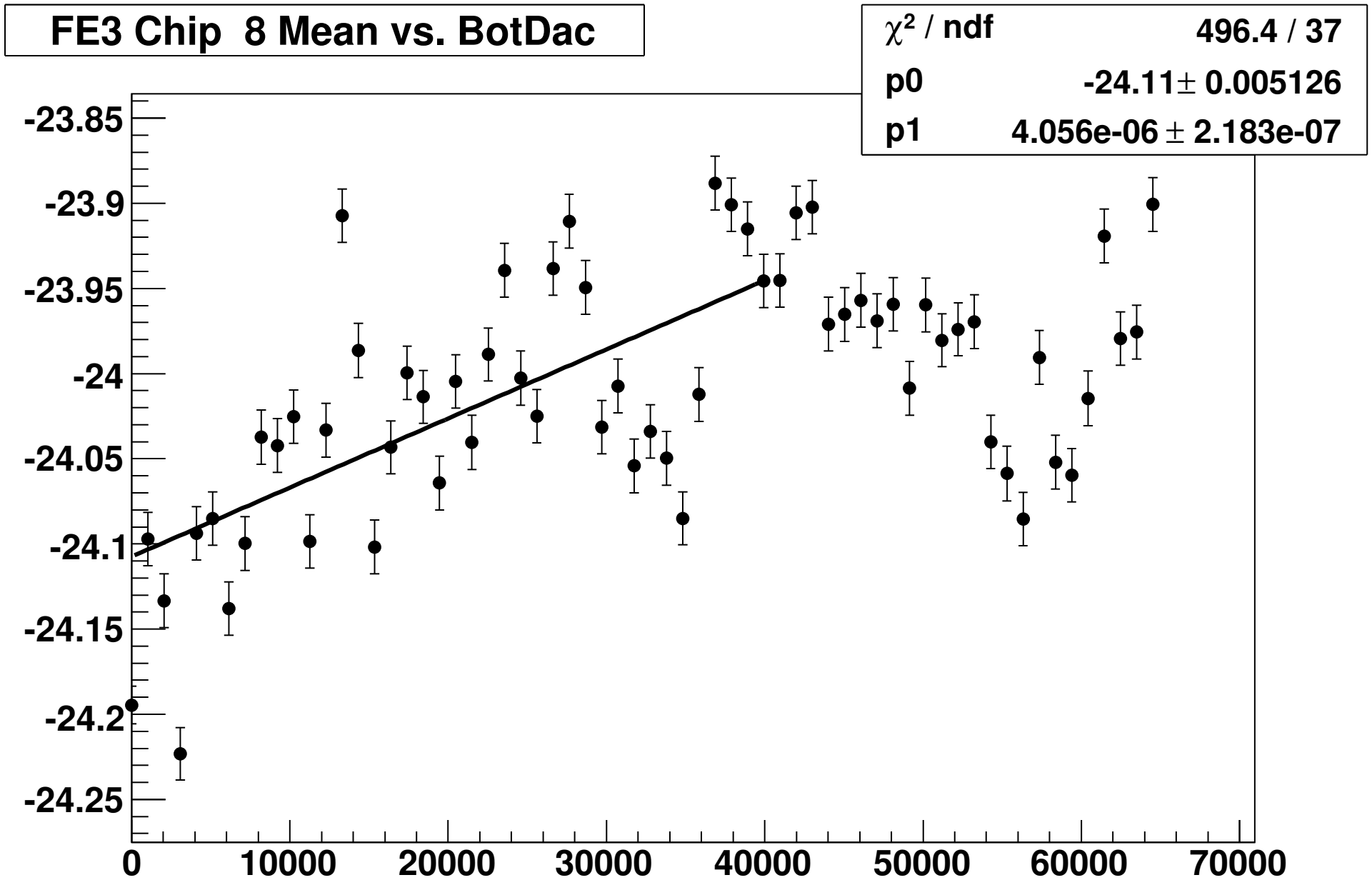
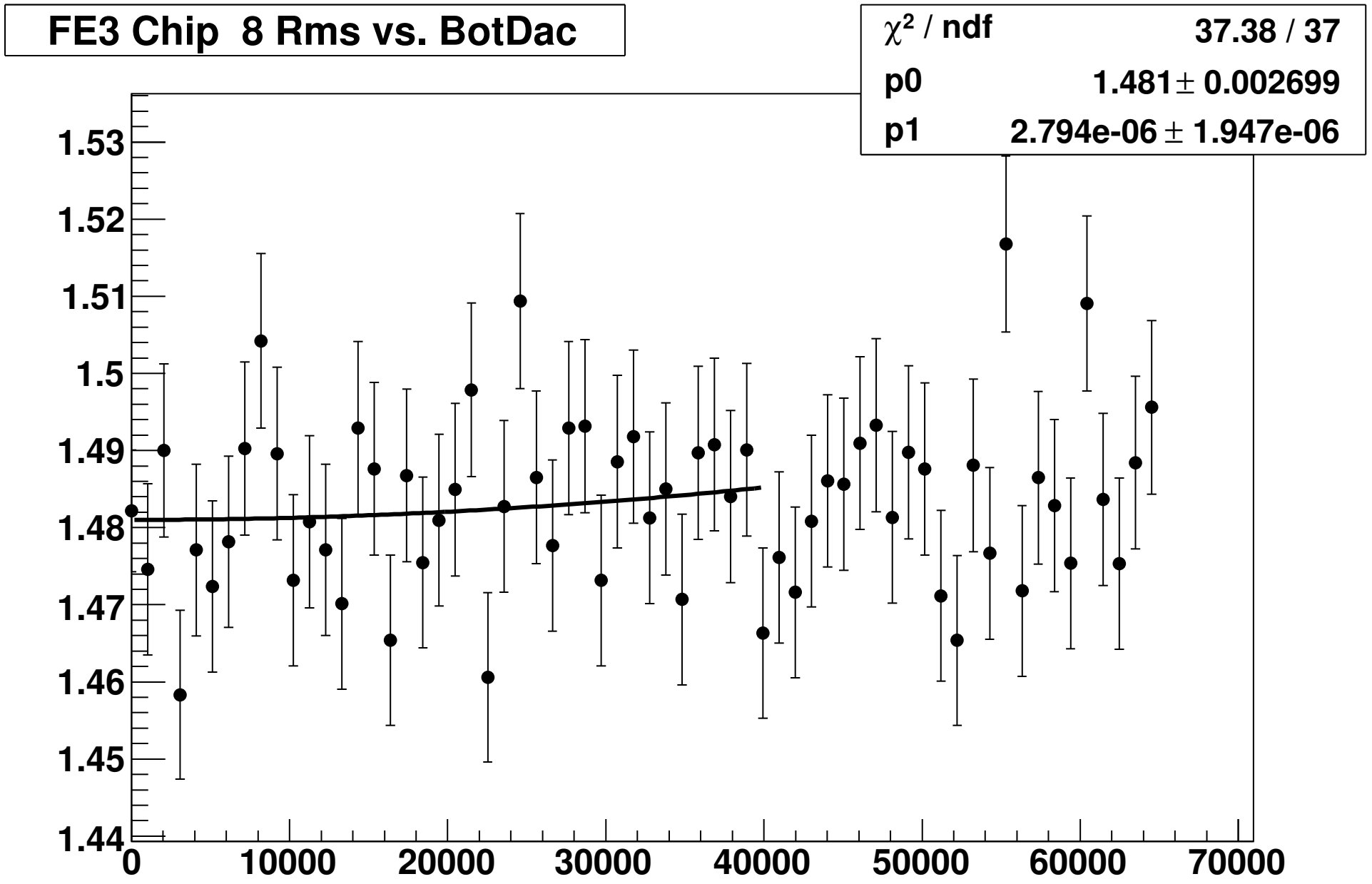
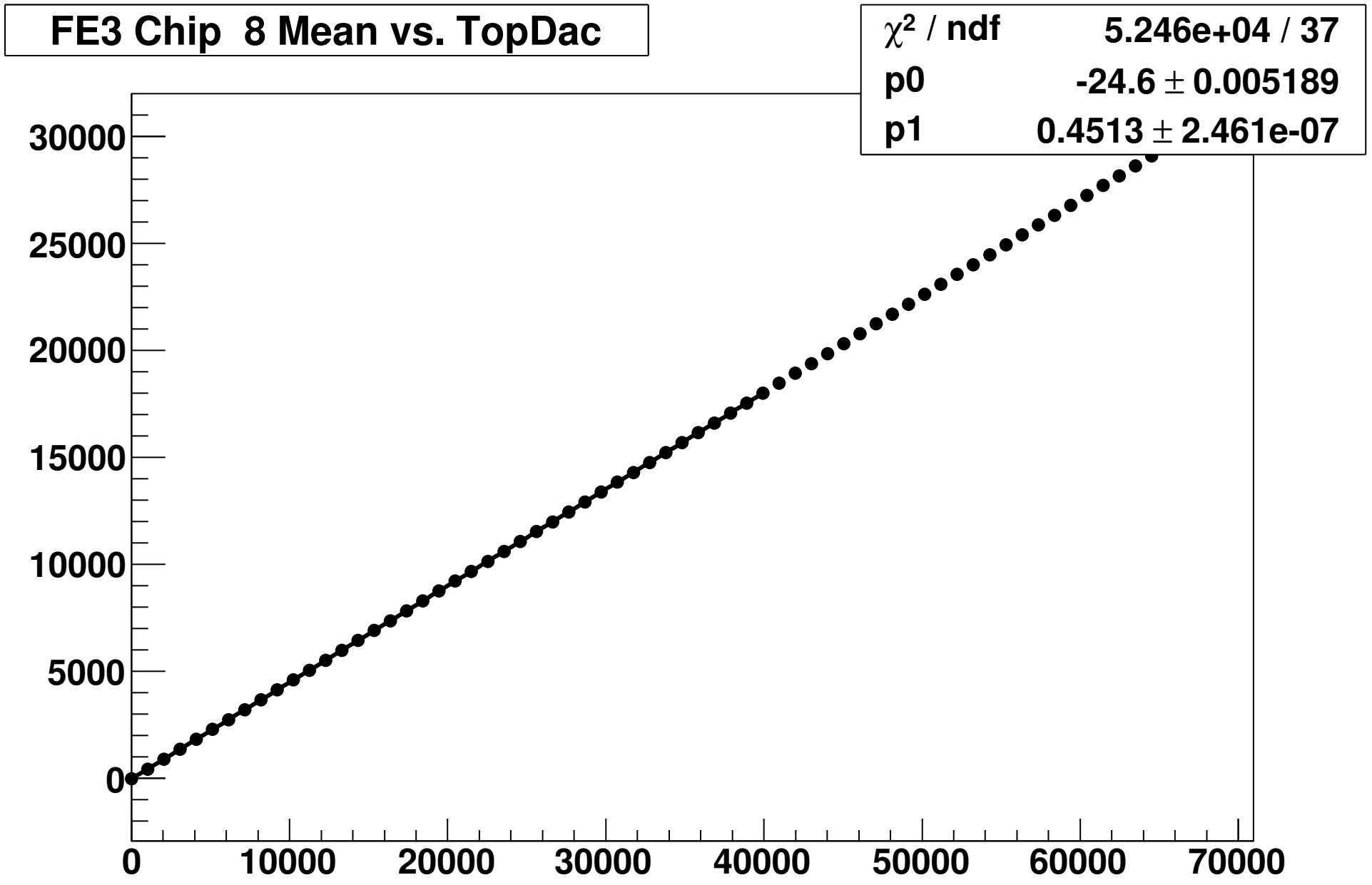
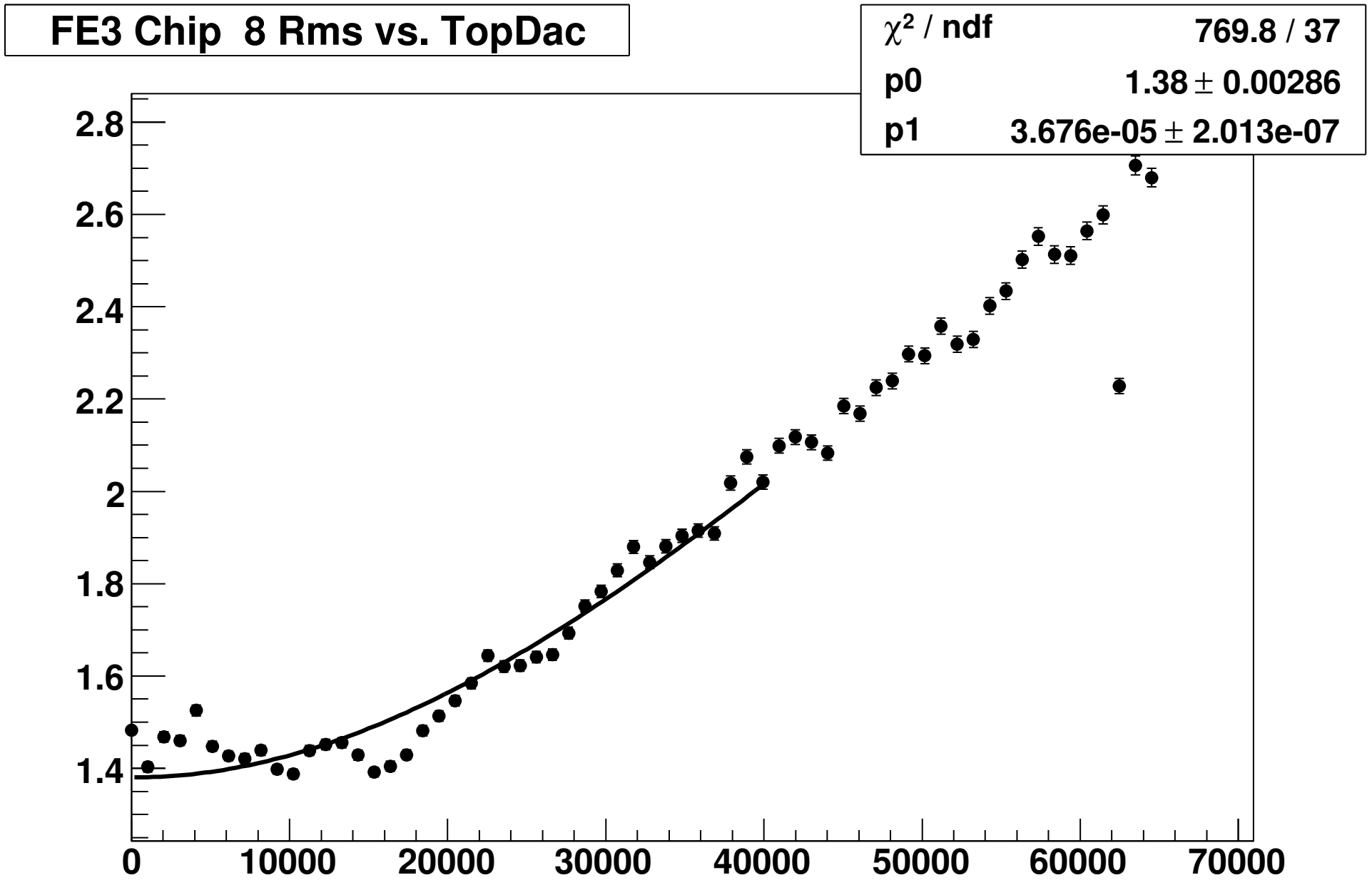

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 496.4 / 37
p0 -24.11 ± 0.005126
p1 4.056e-06 ± 2.183e-07
-23.85
-23.9
-23.95
-24
-24.05
-24.1
-24.15
-24.2
-24.25
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 37.38 / 37
p0 1.481 ± 0.002699
p1 2.794e-06 ± 1.947e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 5.246e+04 / 37
p0 -24.6 ± 0.005189
p1 0.4513 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 769.8 / 37
p0 1.38 ± 0.00286
p1 3.676e-05 ± 2.013e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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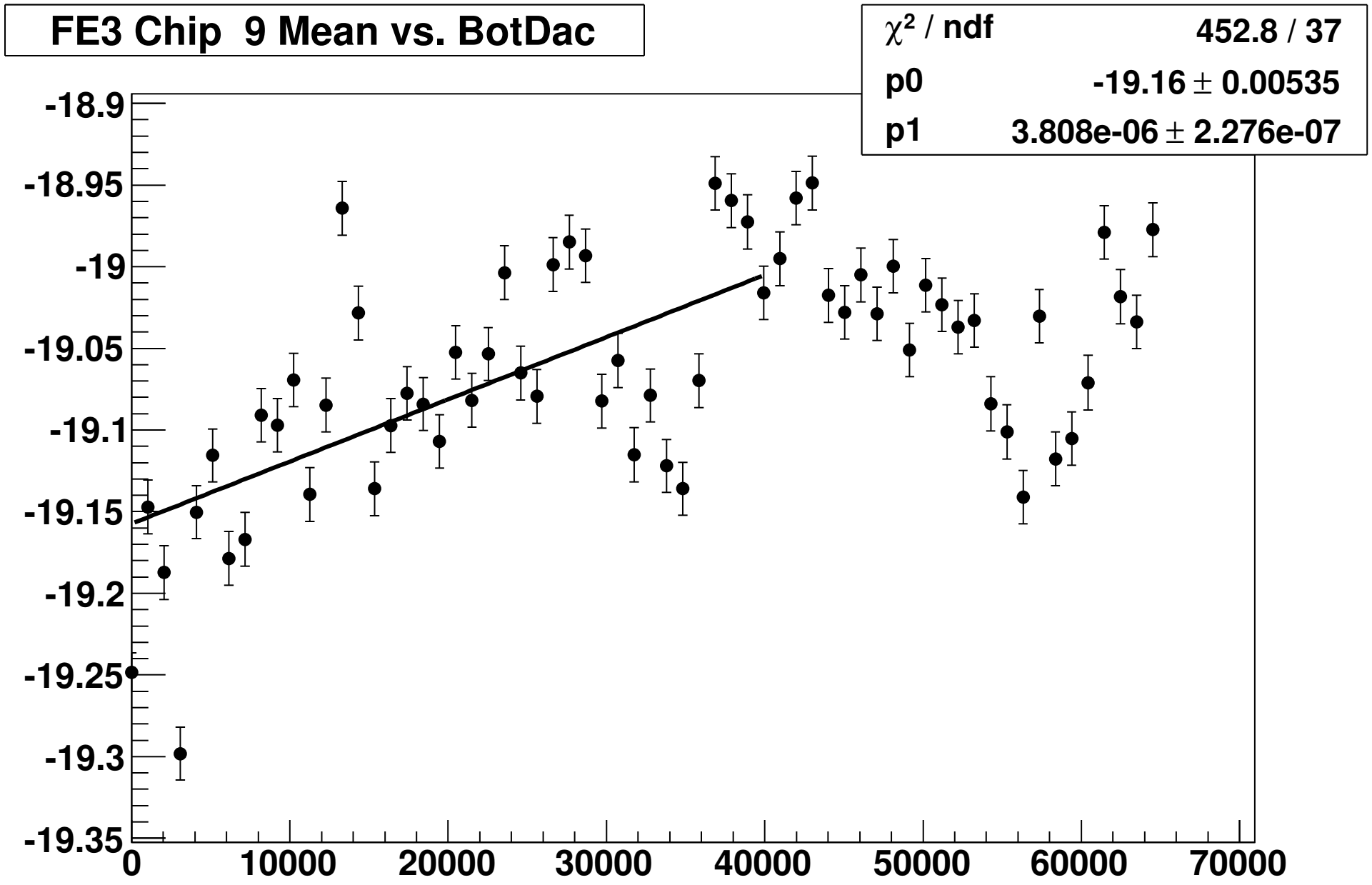
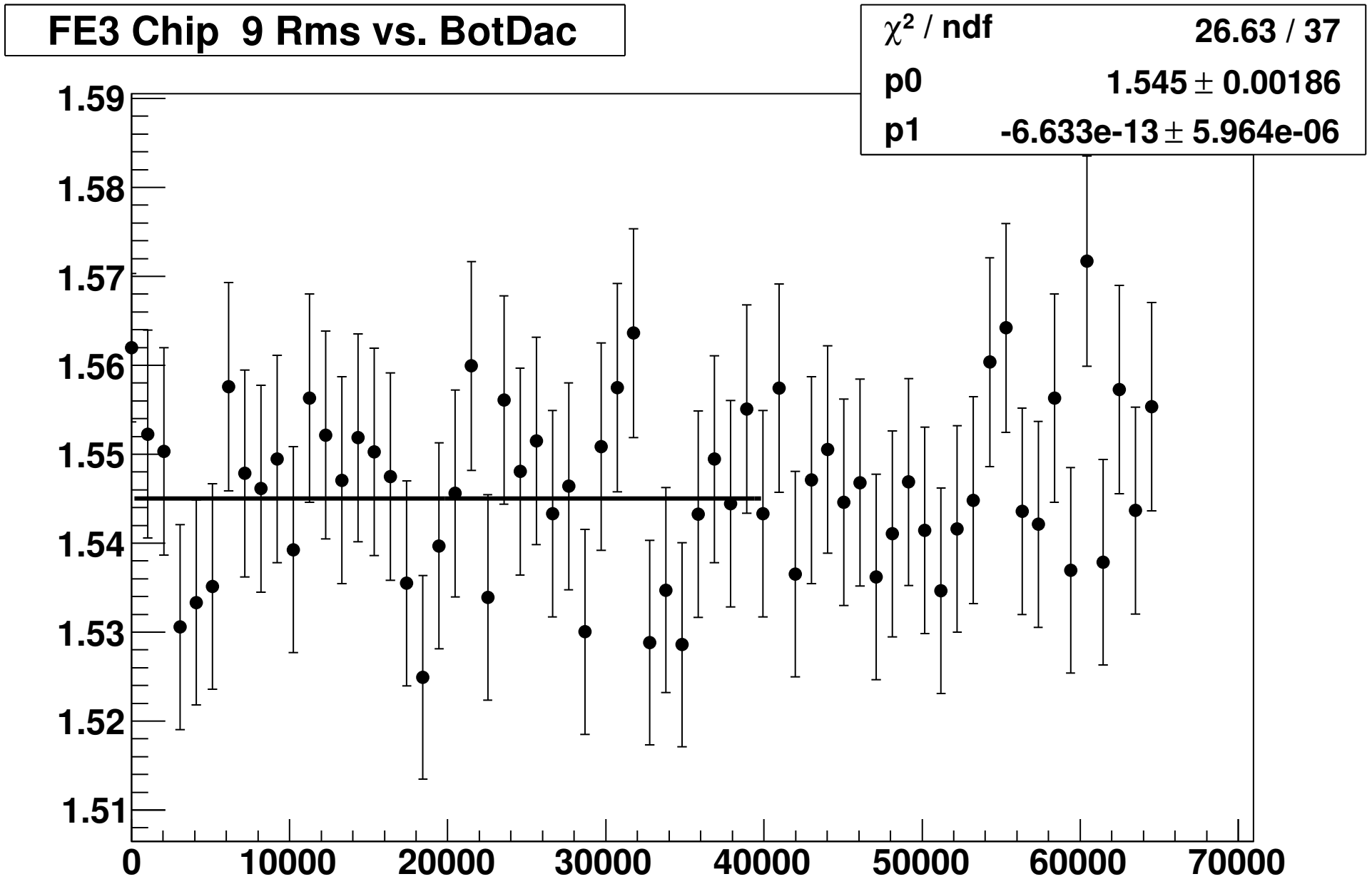
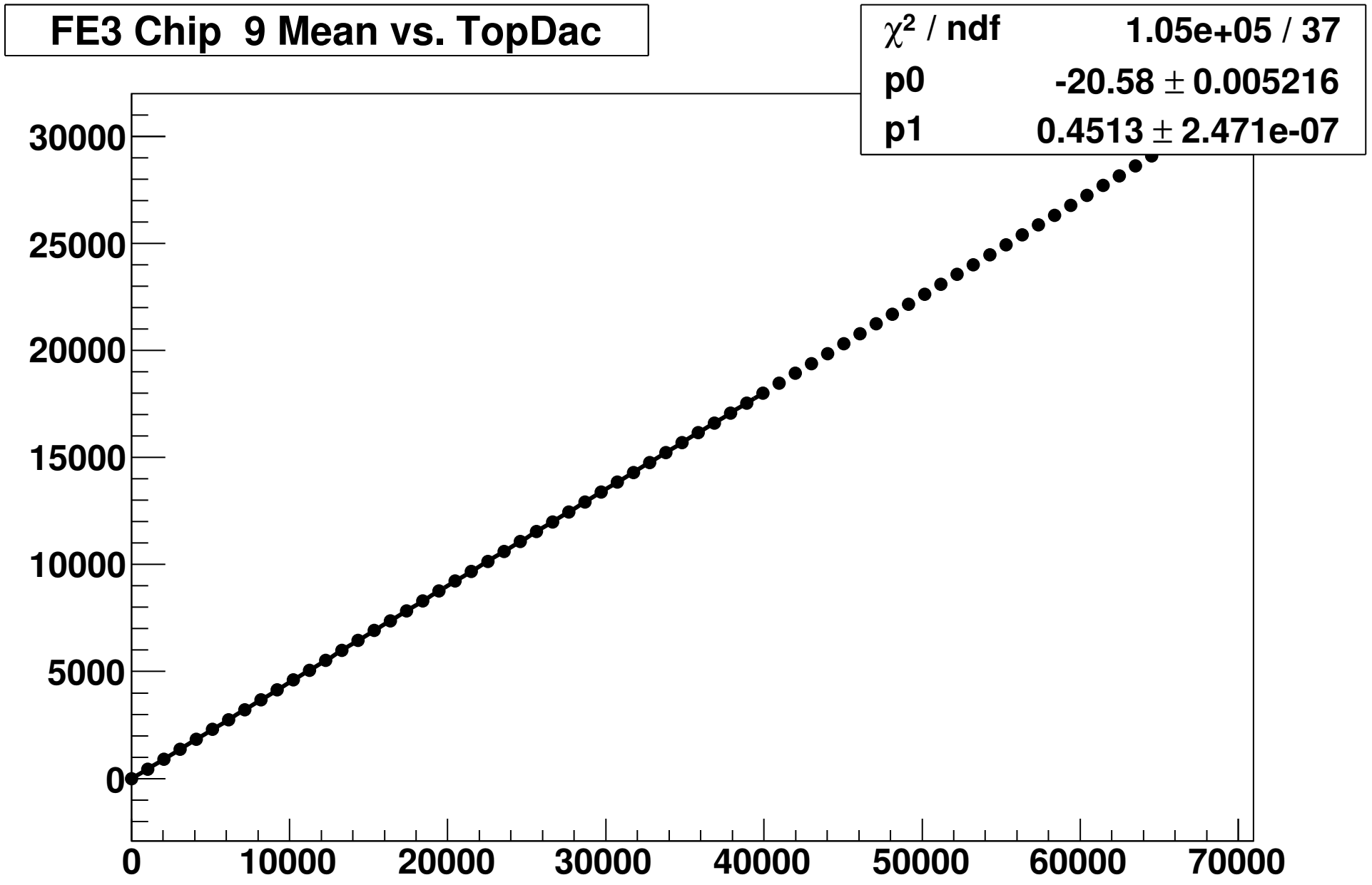
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 452.8 / 37
p0 -19.16 ± 0.00535
p1 3.808e-06 ± 2.276e-07
-18.9
-18.95
-19
-19.05
-19.1
-19.15
-19.2
-19.25
-19.3
-19.35
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 26.63 / 37
p0 1.545 ± 0.00186
p1 -6.633e-13 ± 5.964e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 1.05e+05 / 37
p0 -20.58 ± 0.005216
p1 0.4513 ± 2.471e-07
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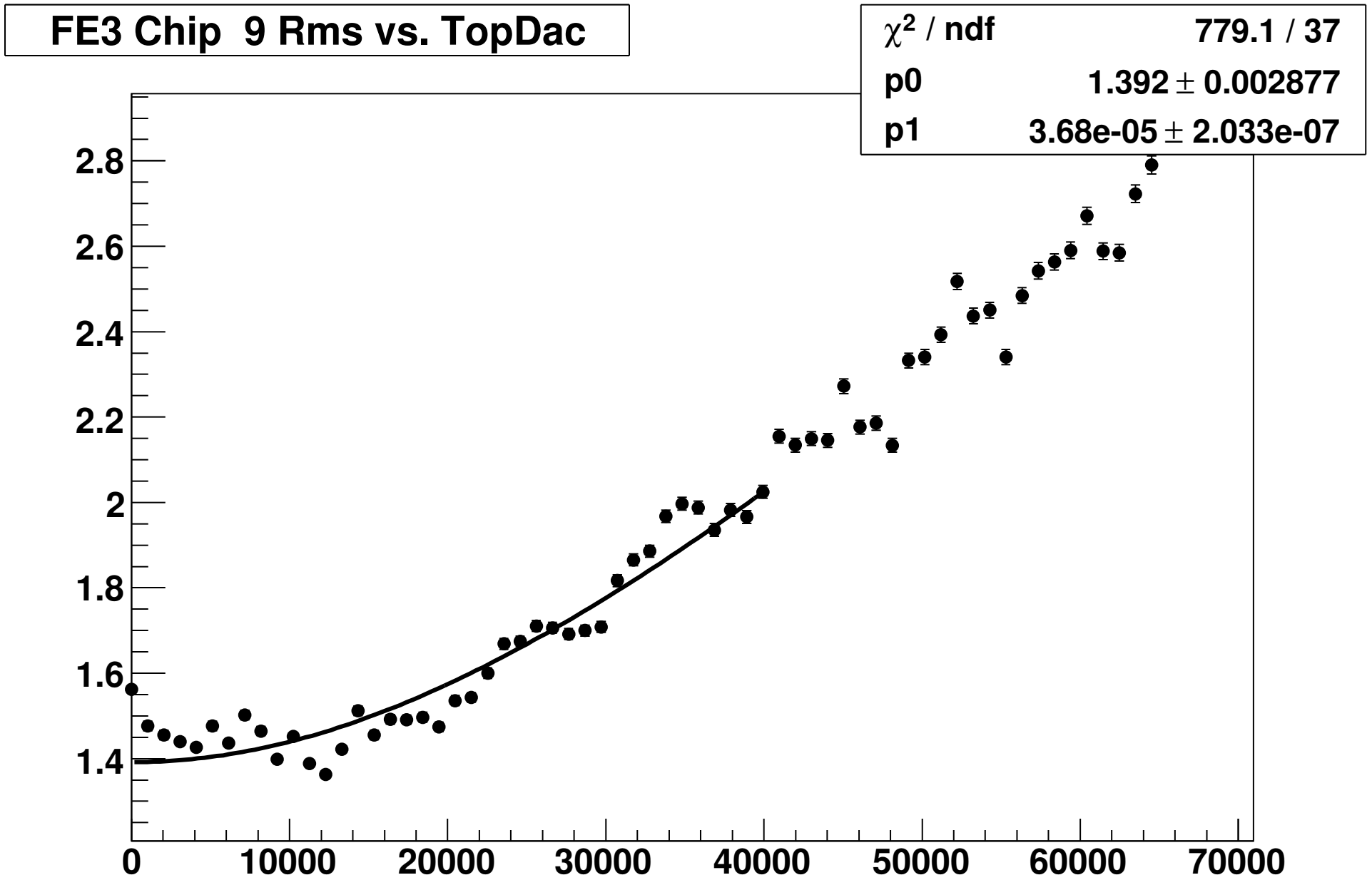
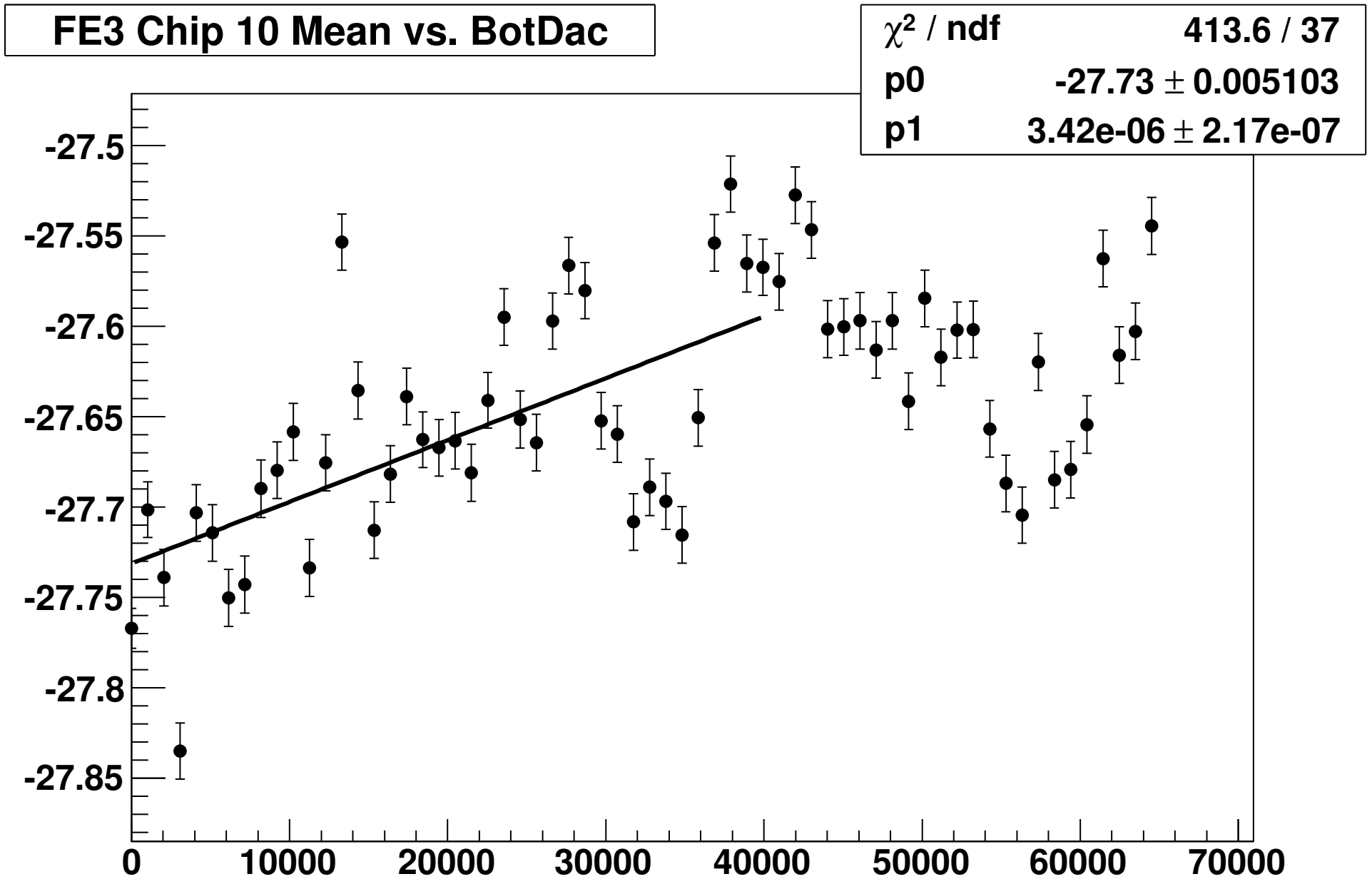
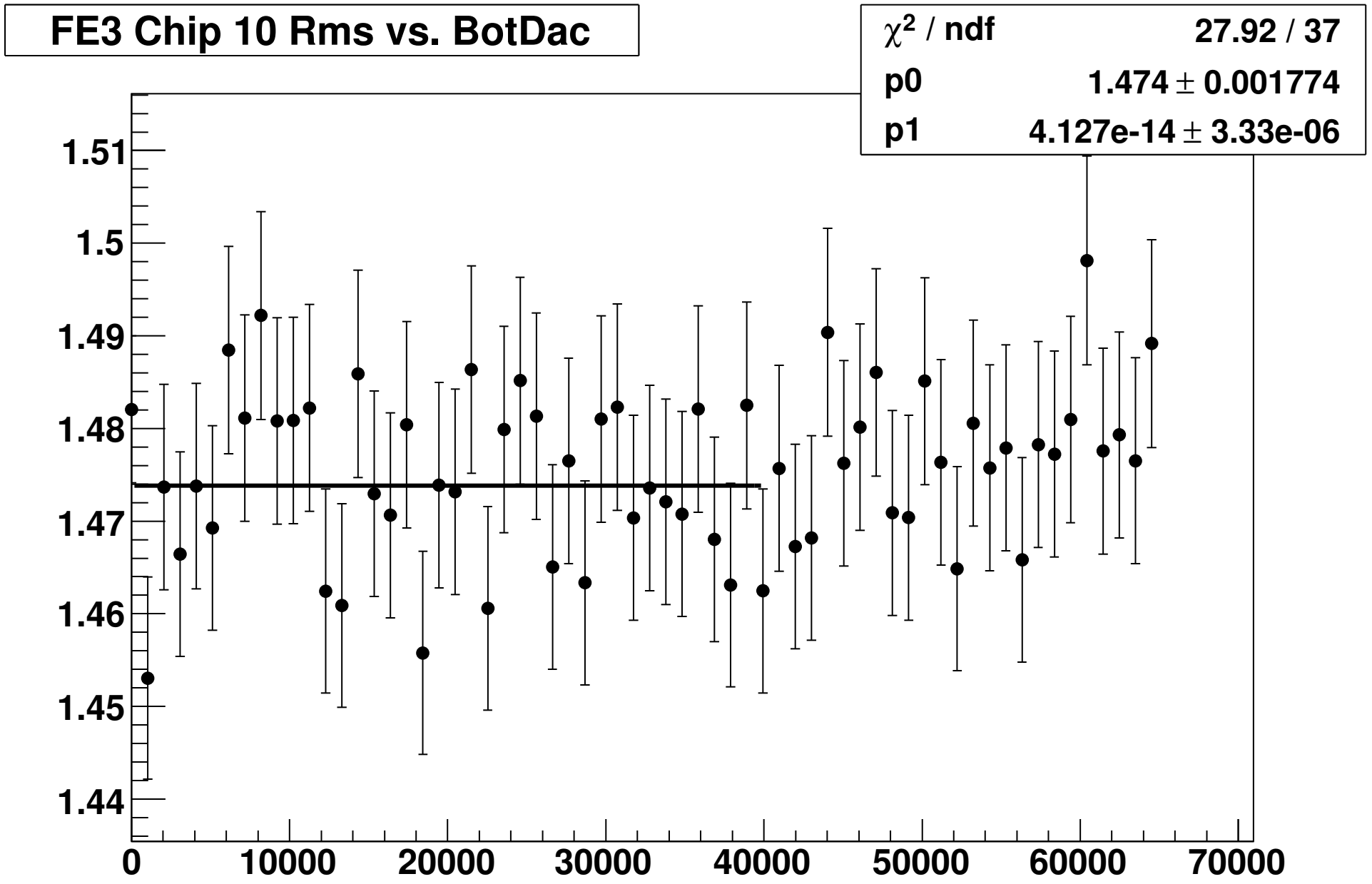
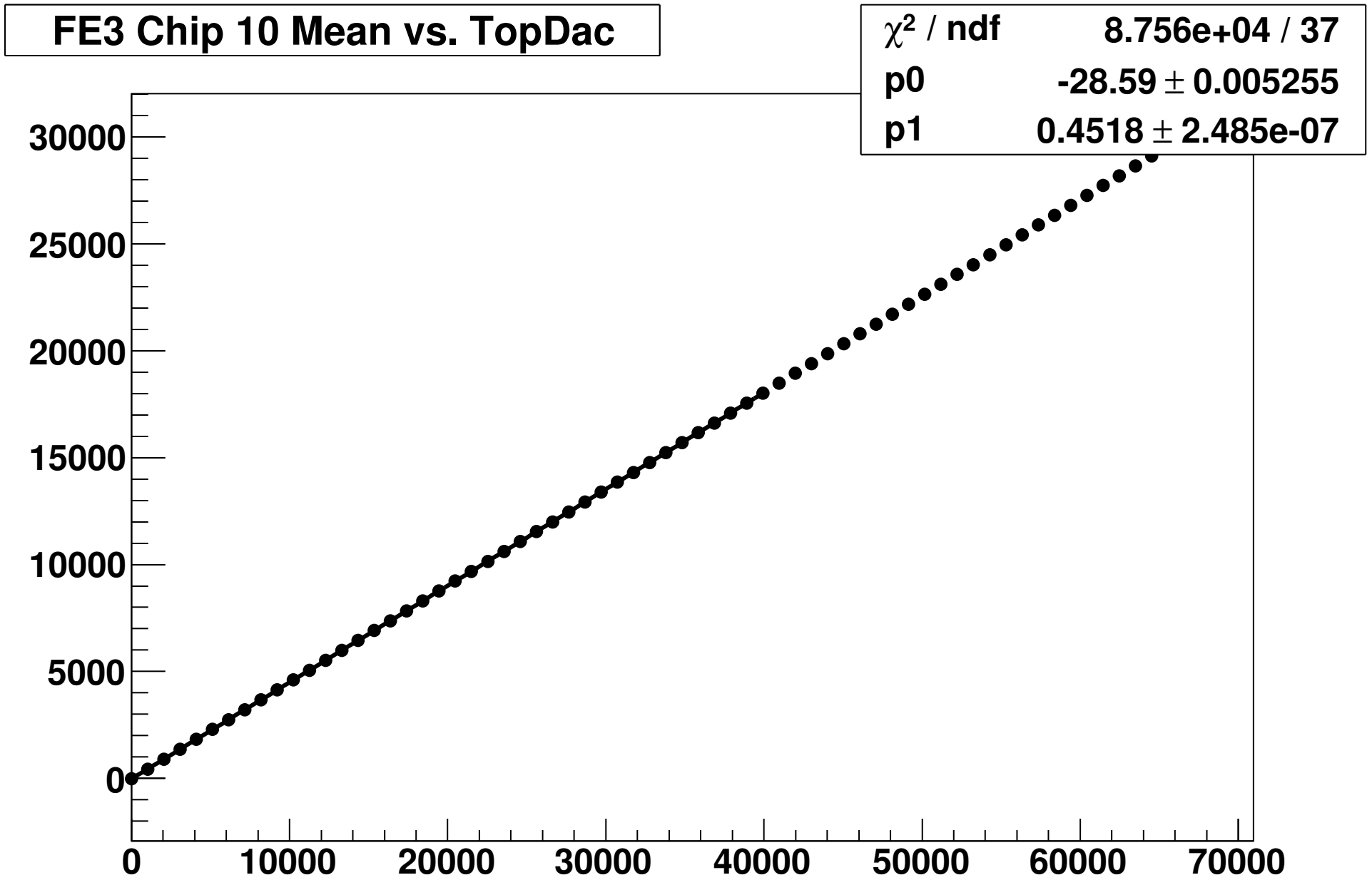
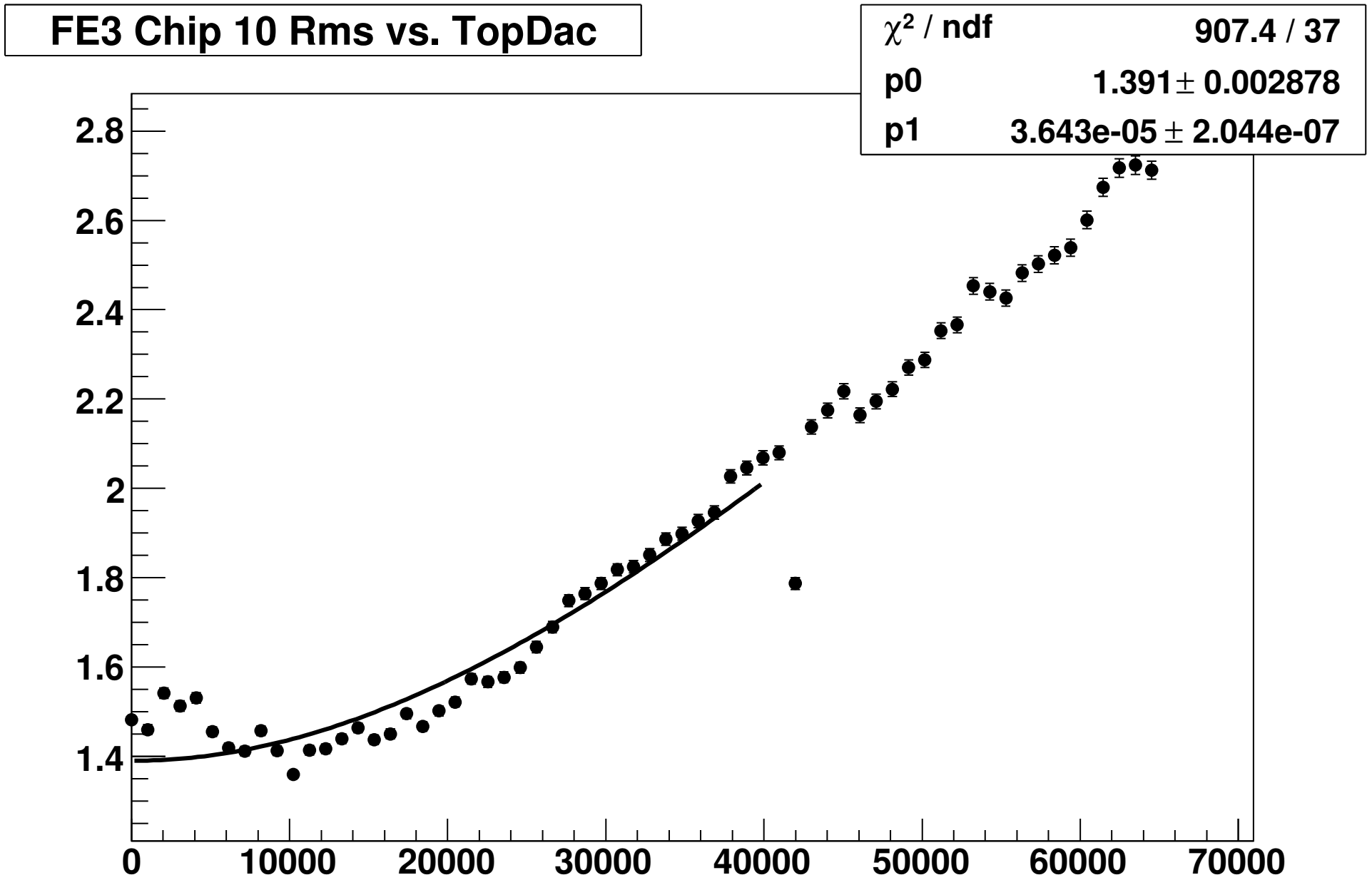
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

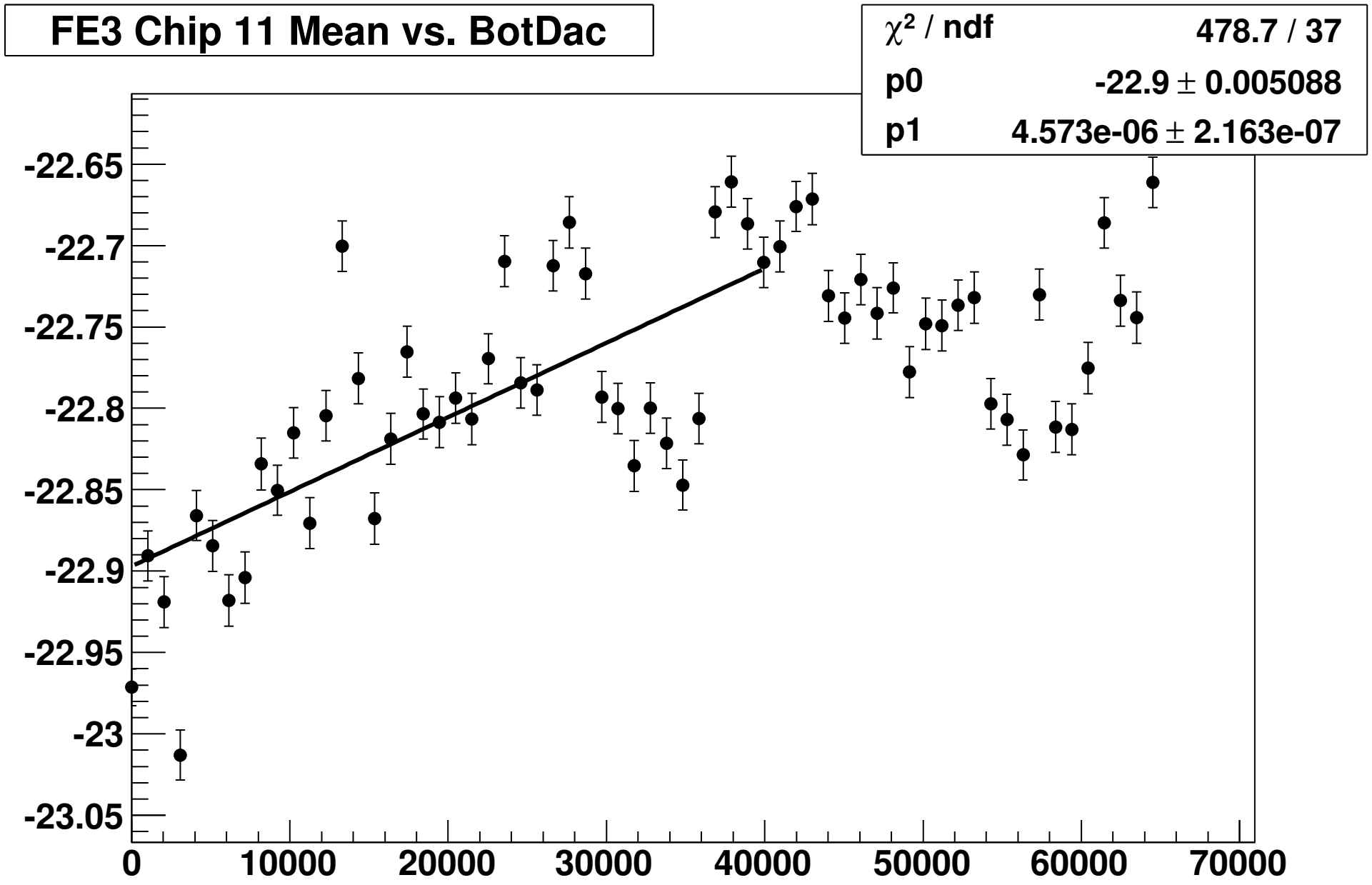

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 779.1 / 37
p0 1.392 ± 0.002877
p1 3.68e-05 ± 2.033e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 413.6 / 37
p0 -27.73 ± 0.005103
p1 3.42e-06 ± 2.17e-07
-27.5
-27.55
-27.6
-27.65
-27.7
-27.75
-27.8
-27.85
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 27.92 / 37
p0 1.474 ± 0.001774
p1 4.127e-14 ± 3.33e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 8.756e+04 / 37
p0 -28.59 ± 0.005255
p1 0.4518 ± 2.485e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 907.4 / 37
p0 1.391 ± 0.002878
p1 3.643e-05 ± 2.044e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 478.7 / 37
p0 -22.9 ± 0.005088
p1 4.573e-06 ± 2.163e-07
-22.65
-22.7
-22.75
-22.8
-22.85
-22.9
-22.95
-23
-23.05
0
10000
20000
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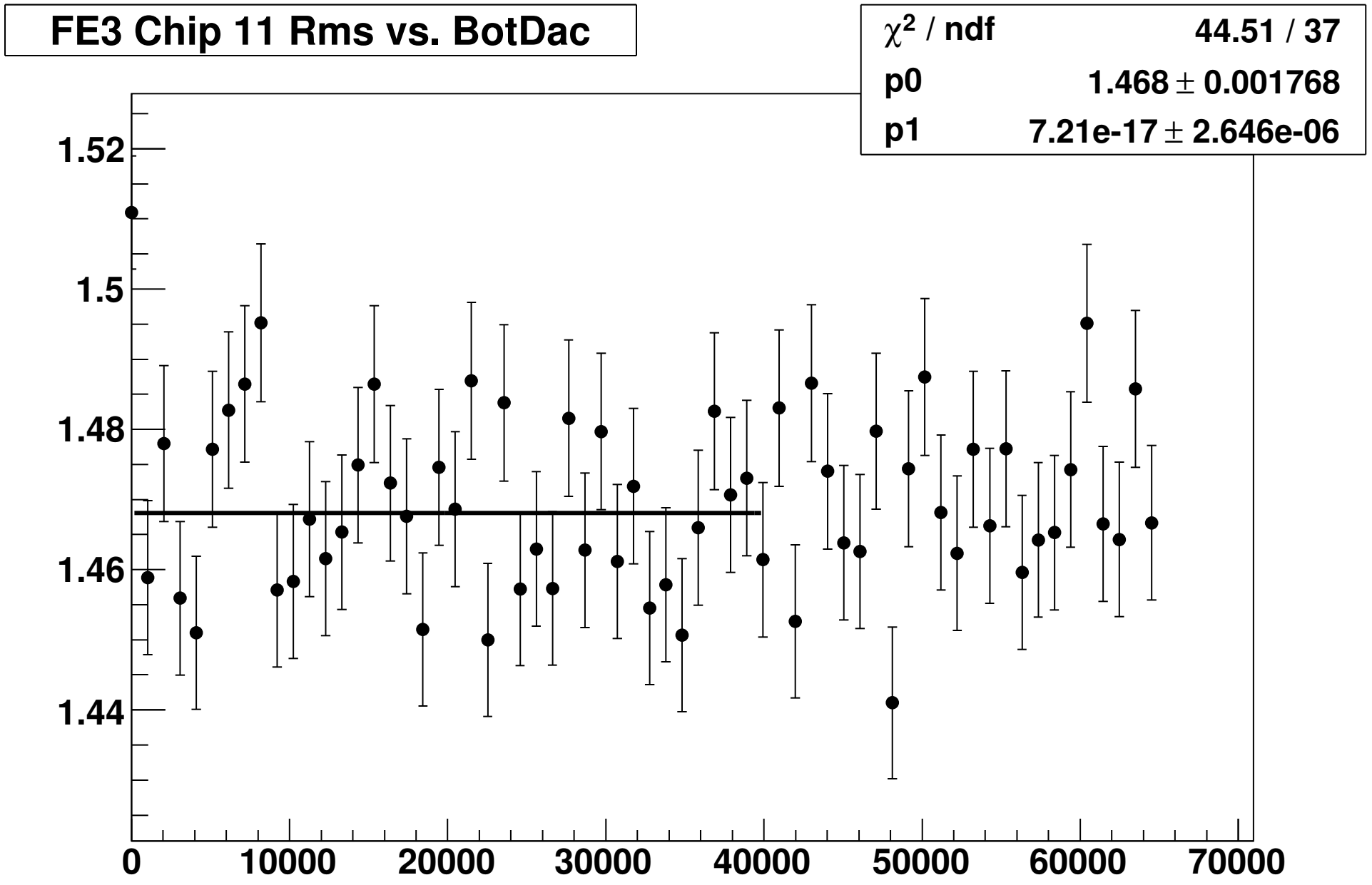
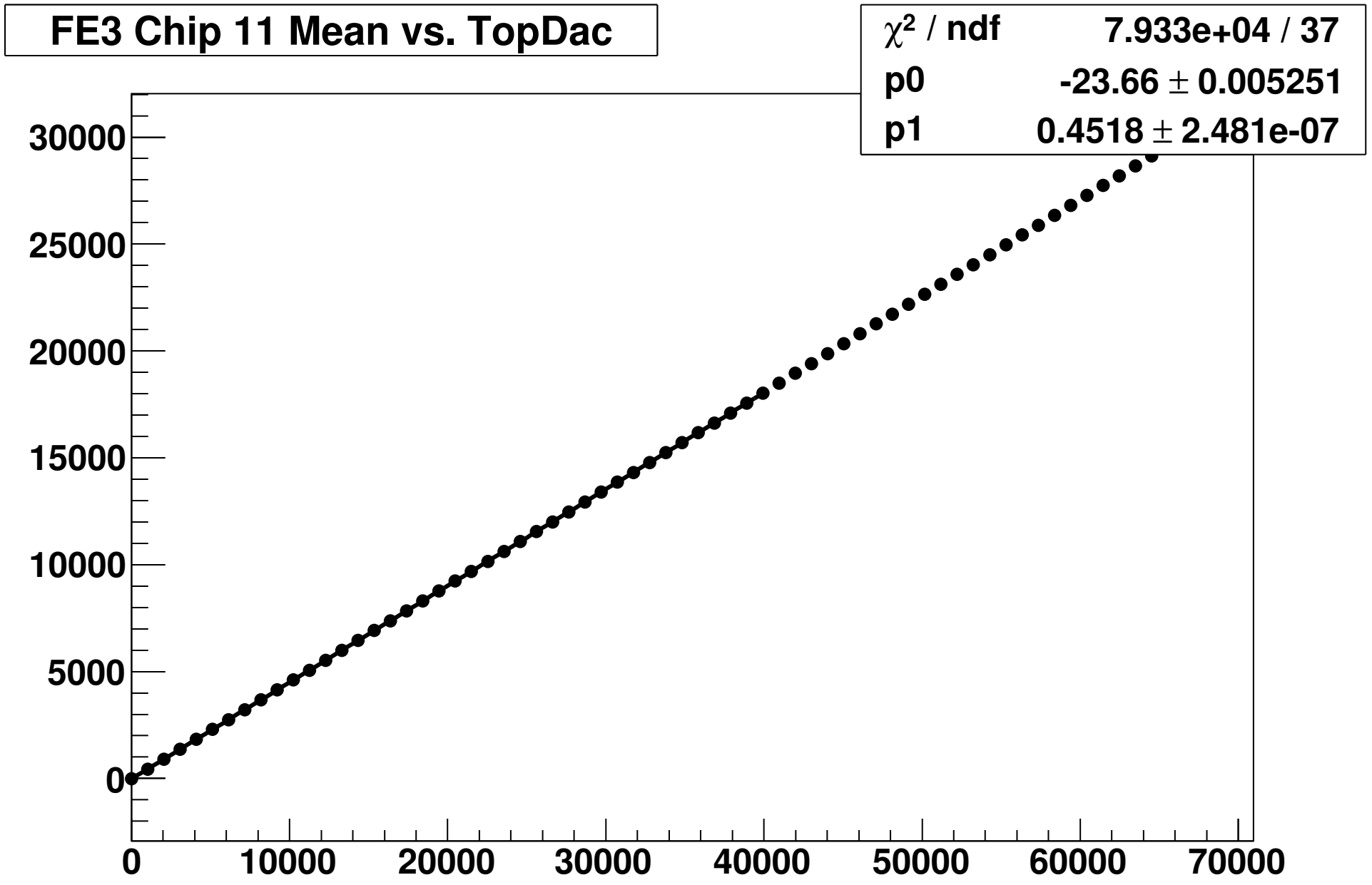
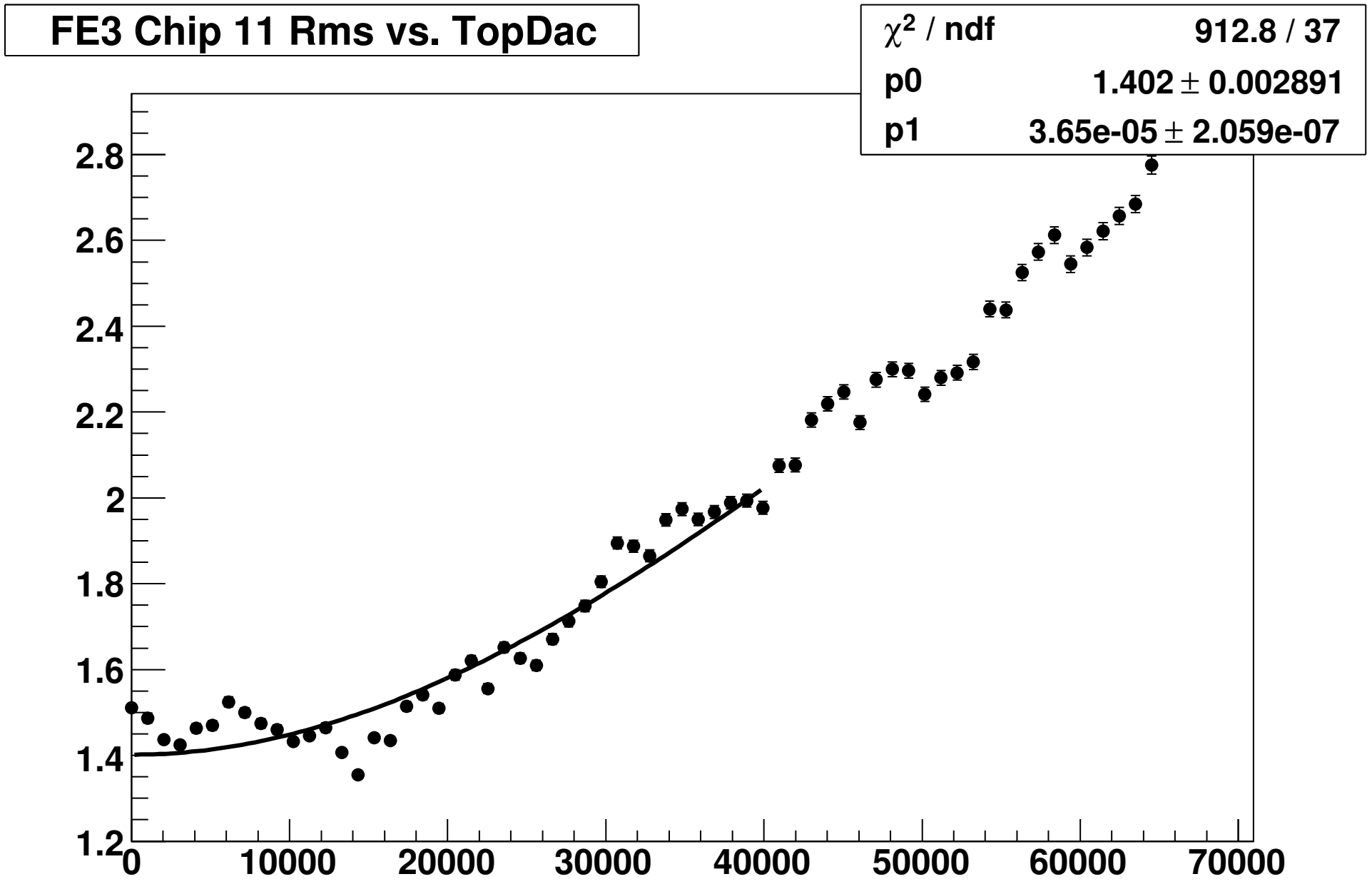

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 44.51 / 37
p0 1.468 ± 0.001768
p1 7.21e-17 ± 2.646e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 7.933e+04 / 37
p0 -23.66 ± 0.005251
p1 0.4518 ± 2.481e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 912.8 / 37
p0 1.402 ± 0.002891
p1 3.65e-05 ± 2.059e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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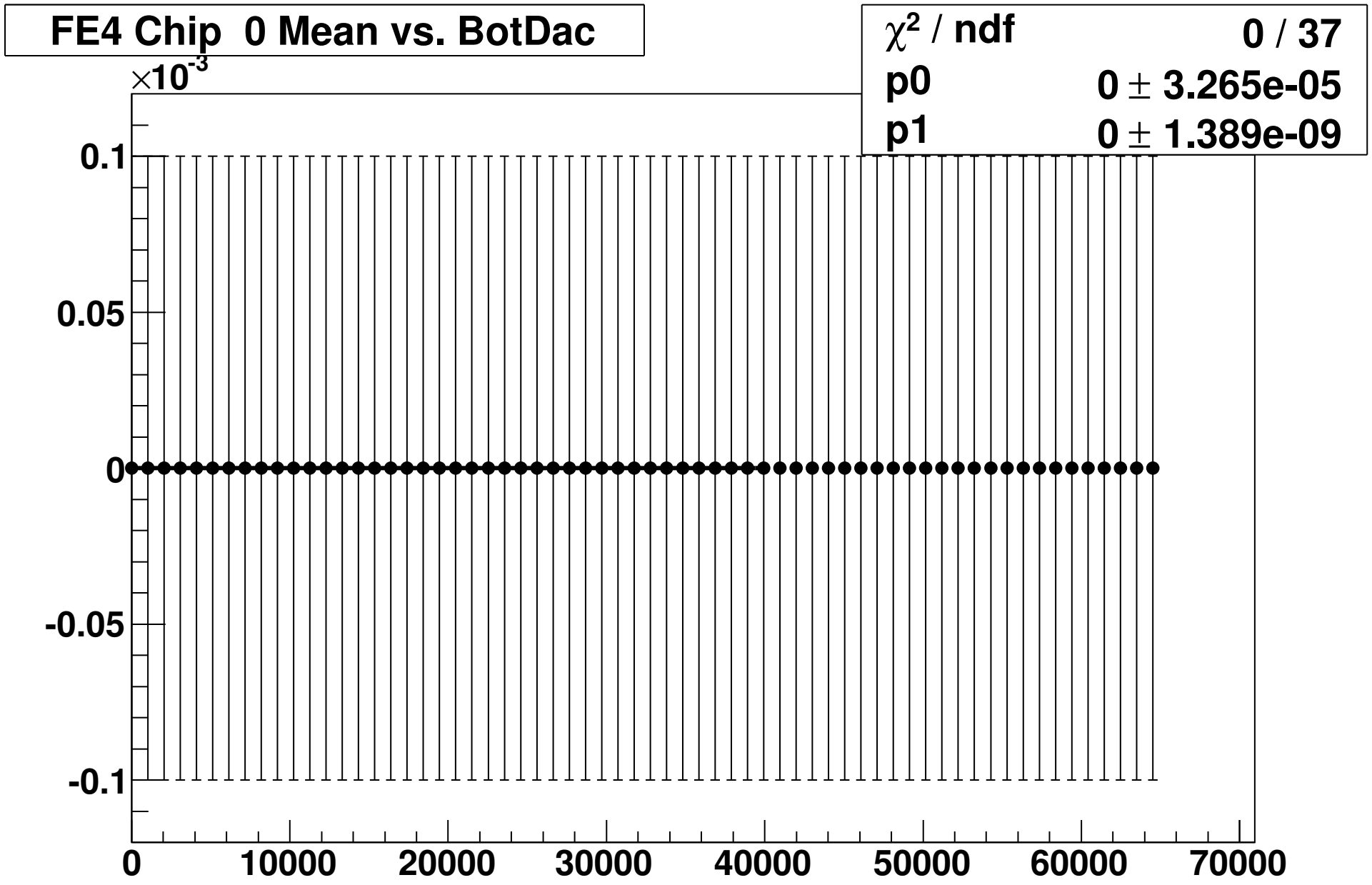
FE4 Chip 0 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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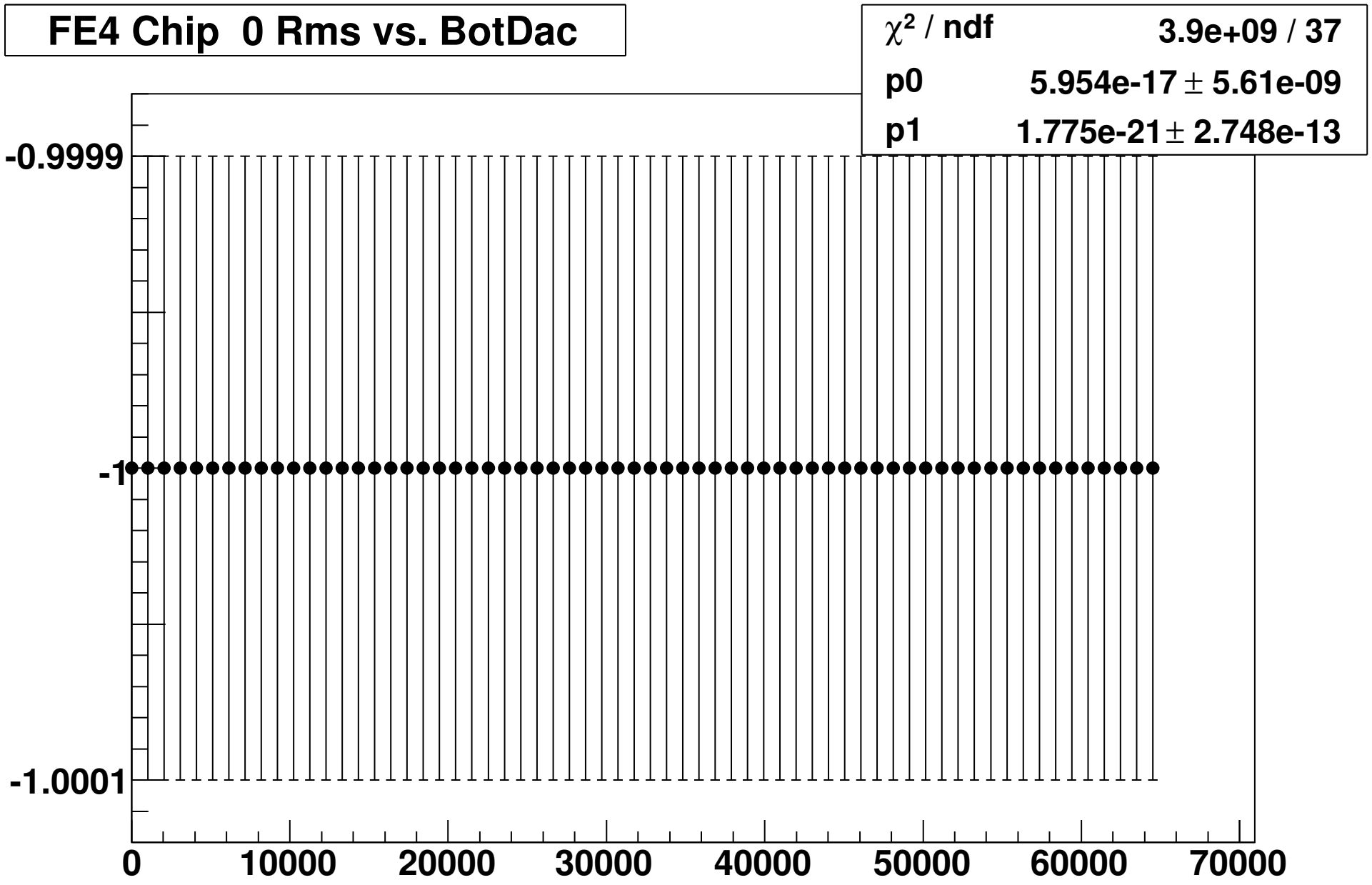
FE4 Chip 0 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
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-1.0001
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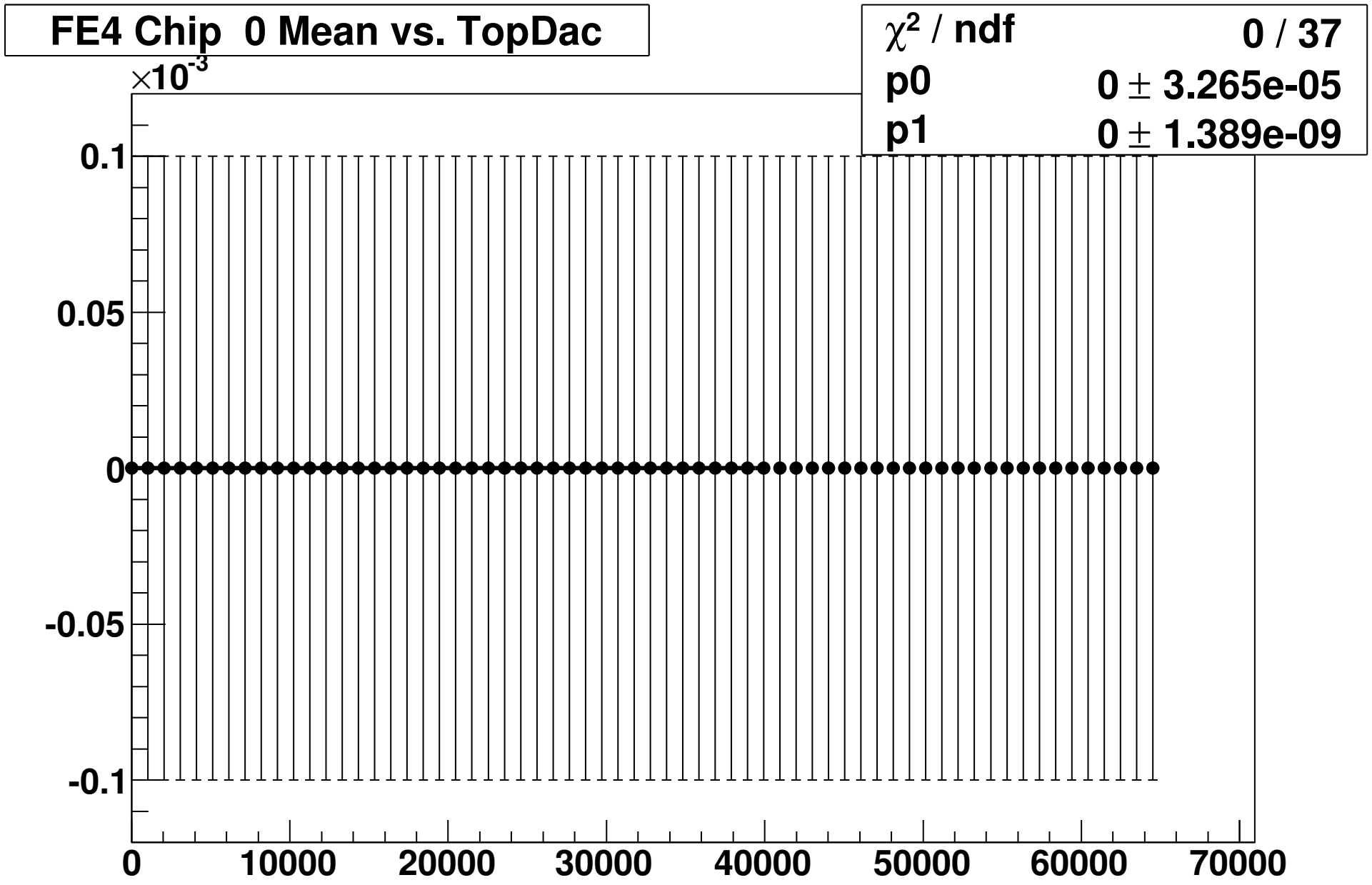
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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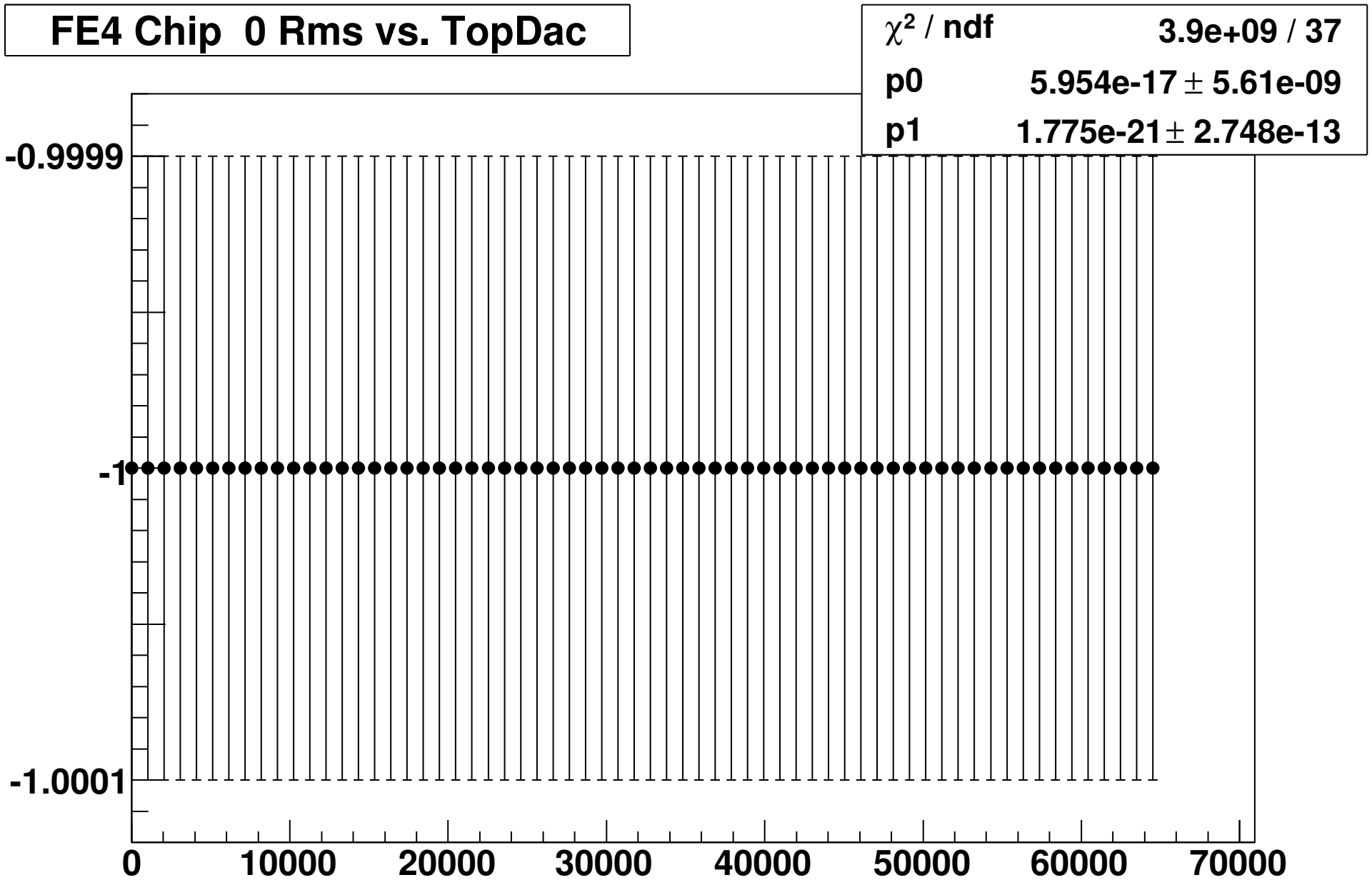
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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-1.0001
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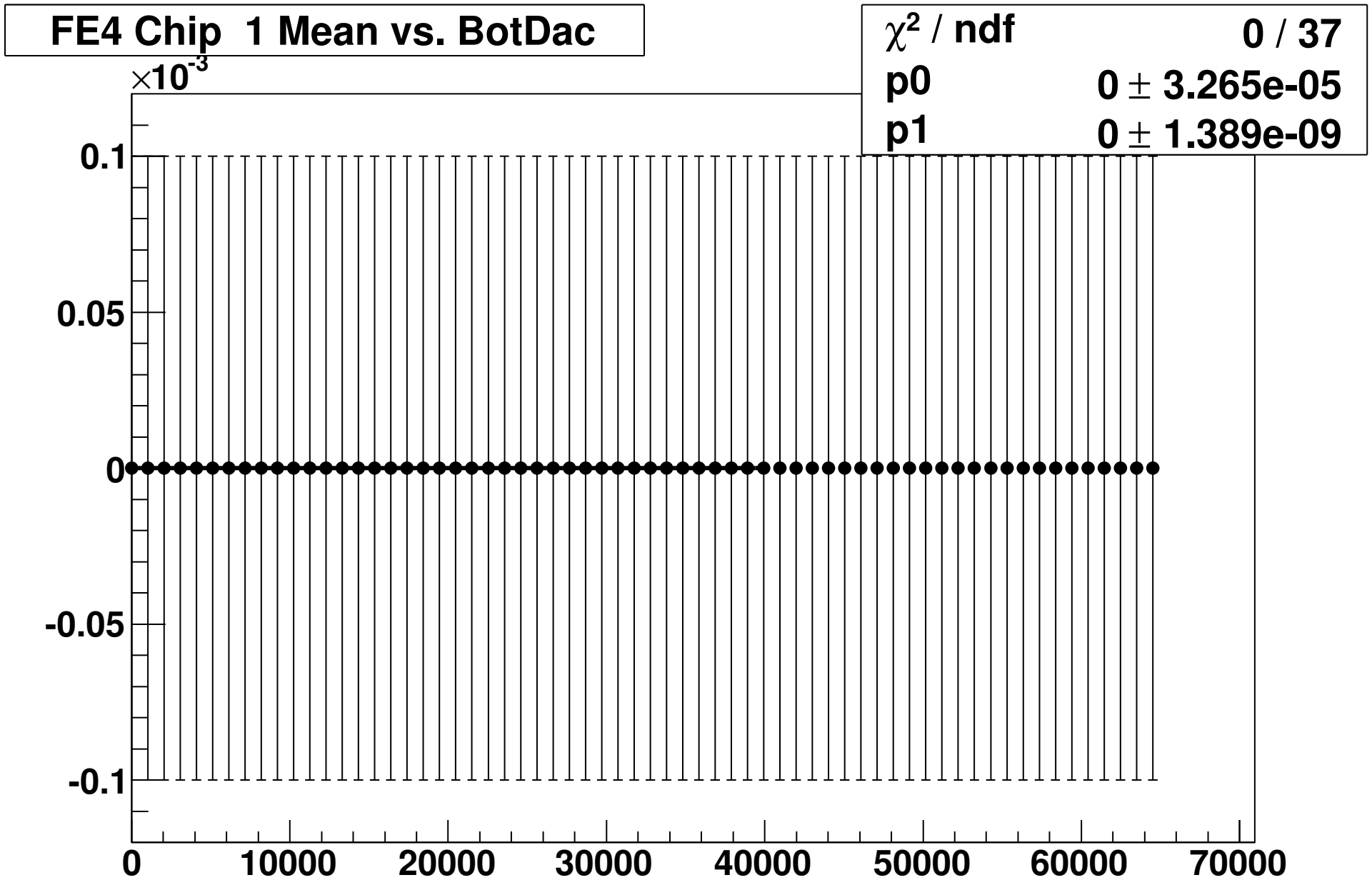
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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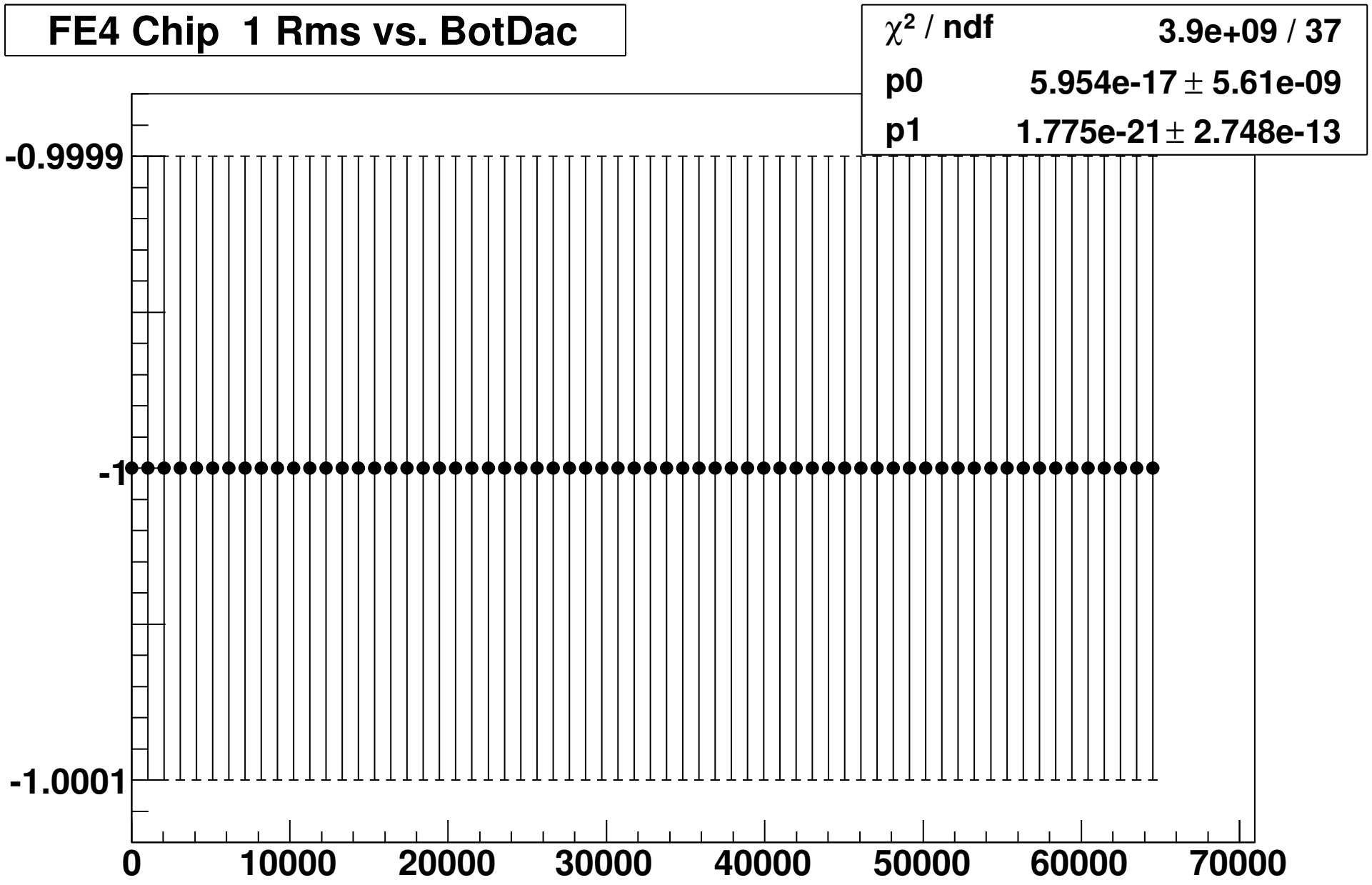
FE4 Chip 1 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
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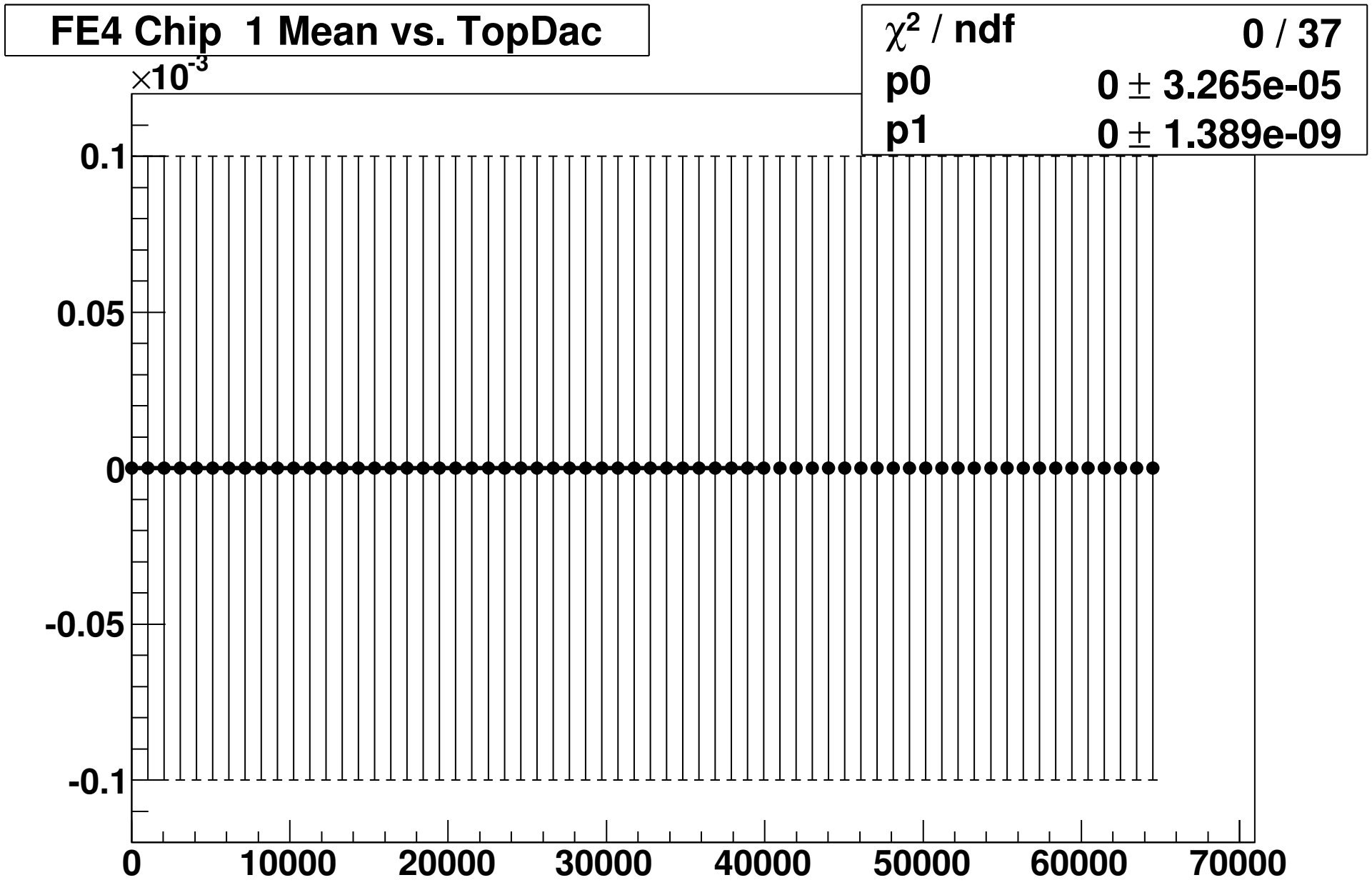
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
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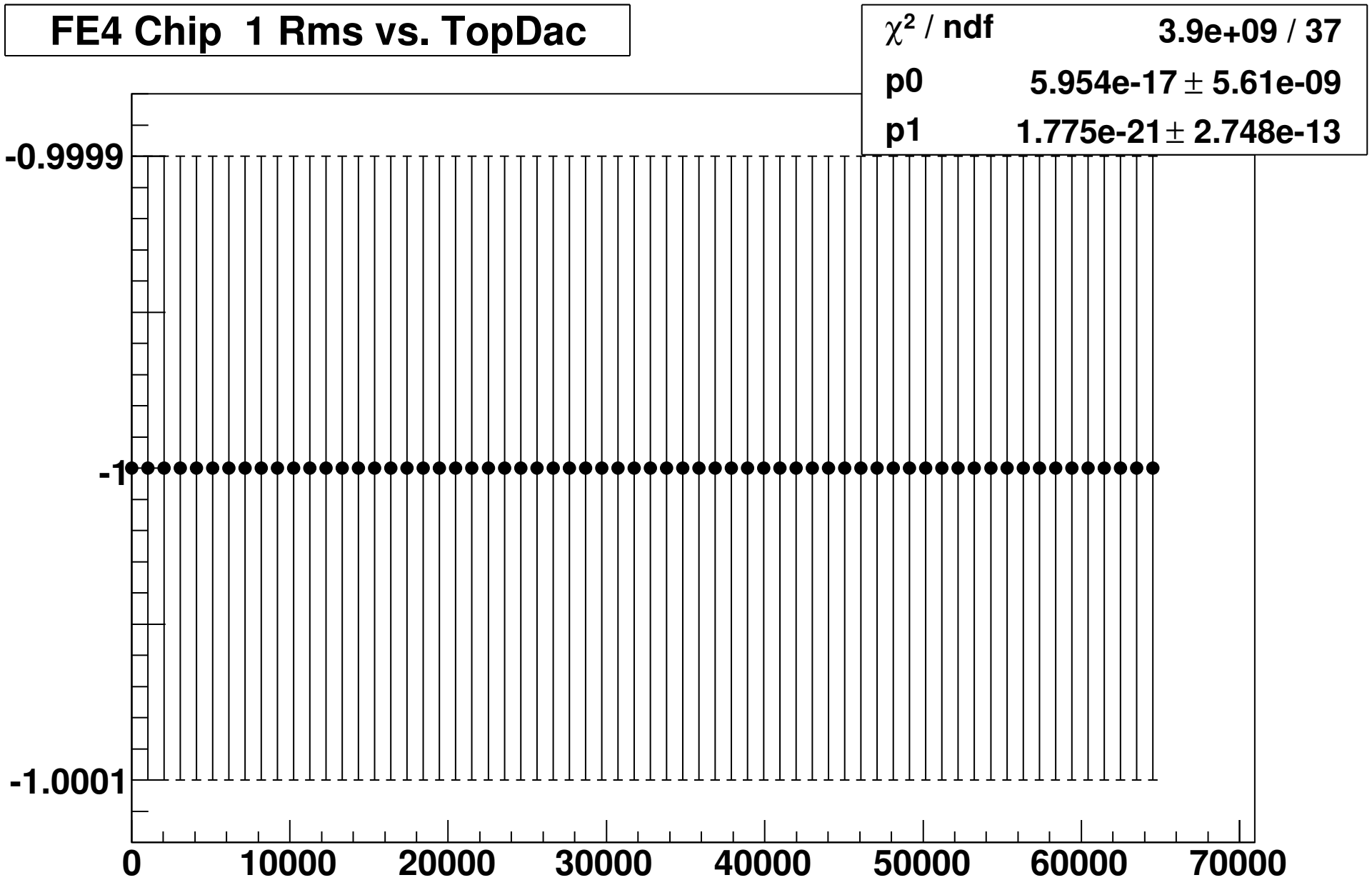
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
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-1.0001
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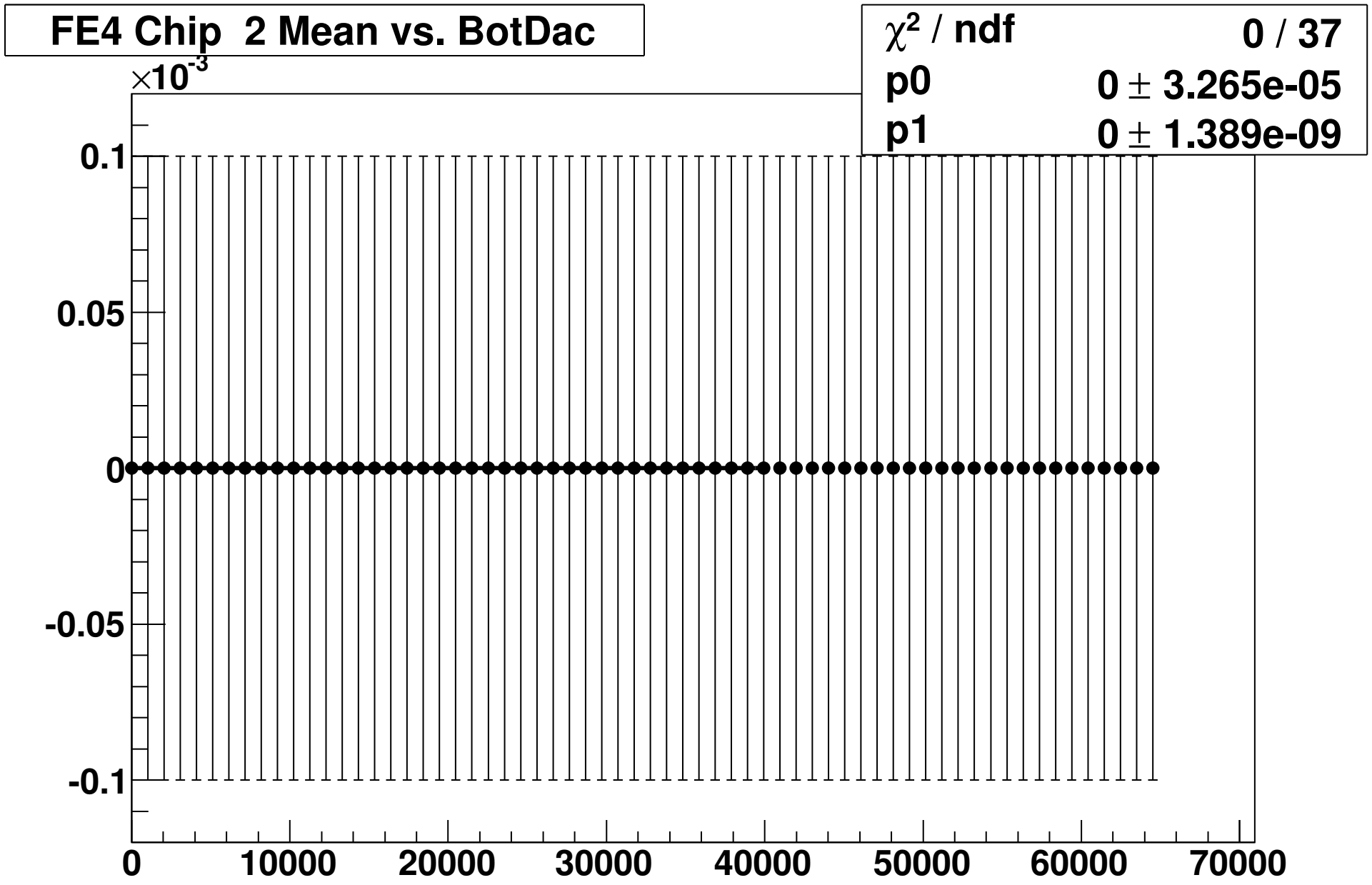
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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-0.05
-0.1
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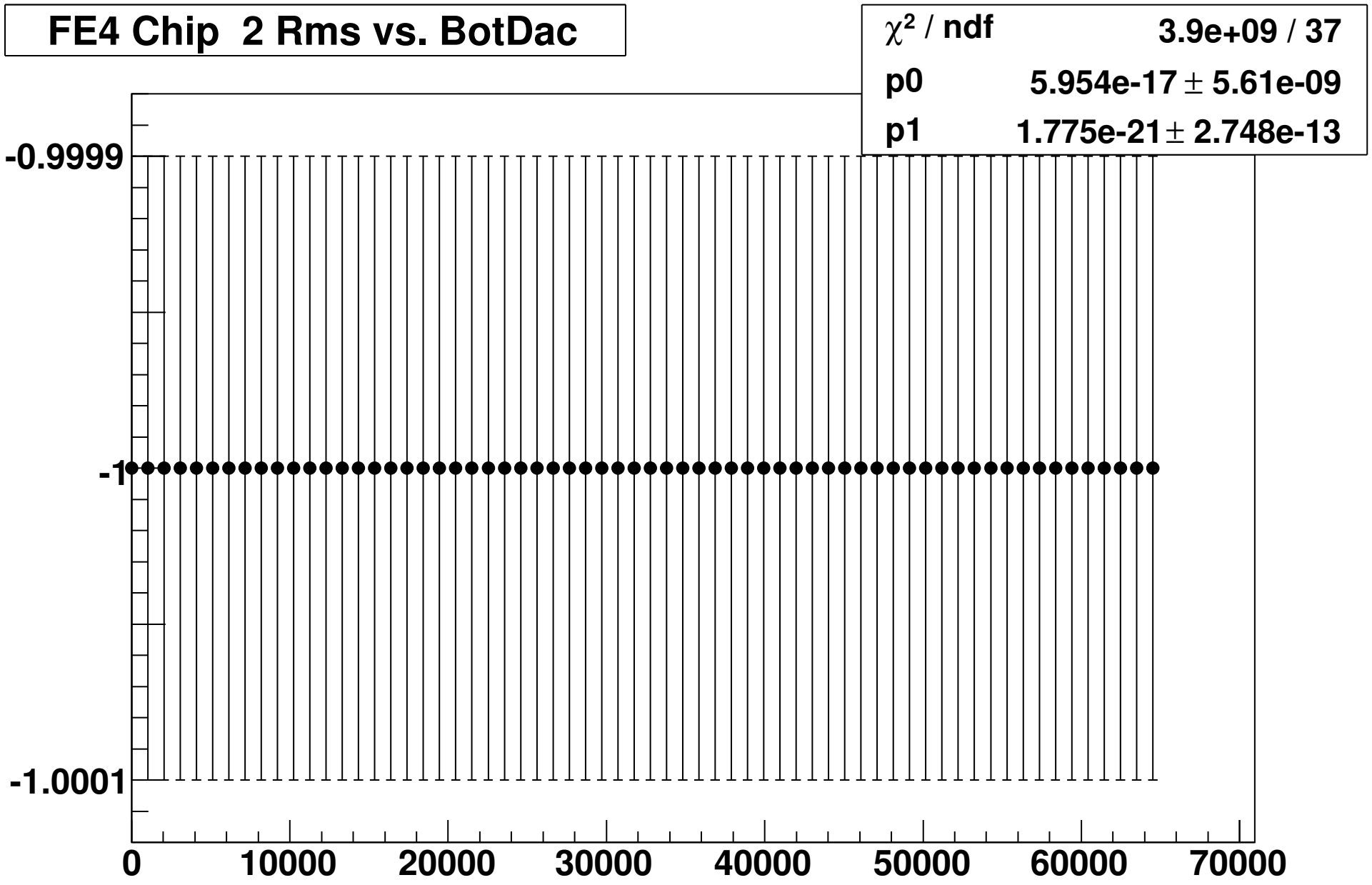
FE4 Chip 2 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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-1.0001
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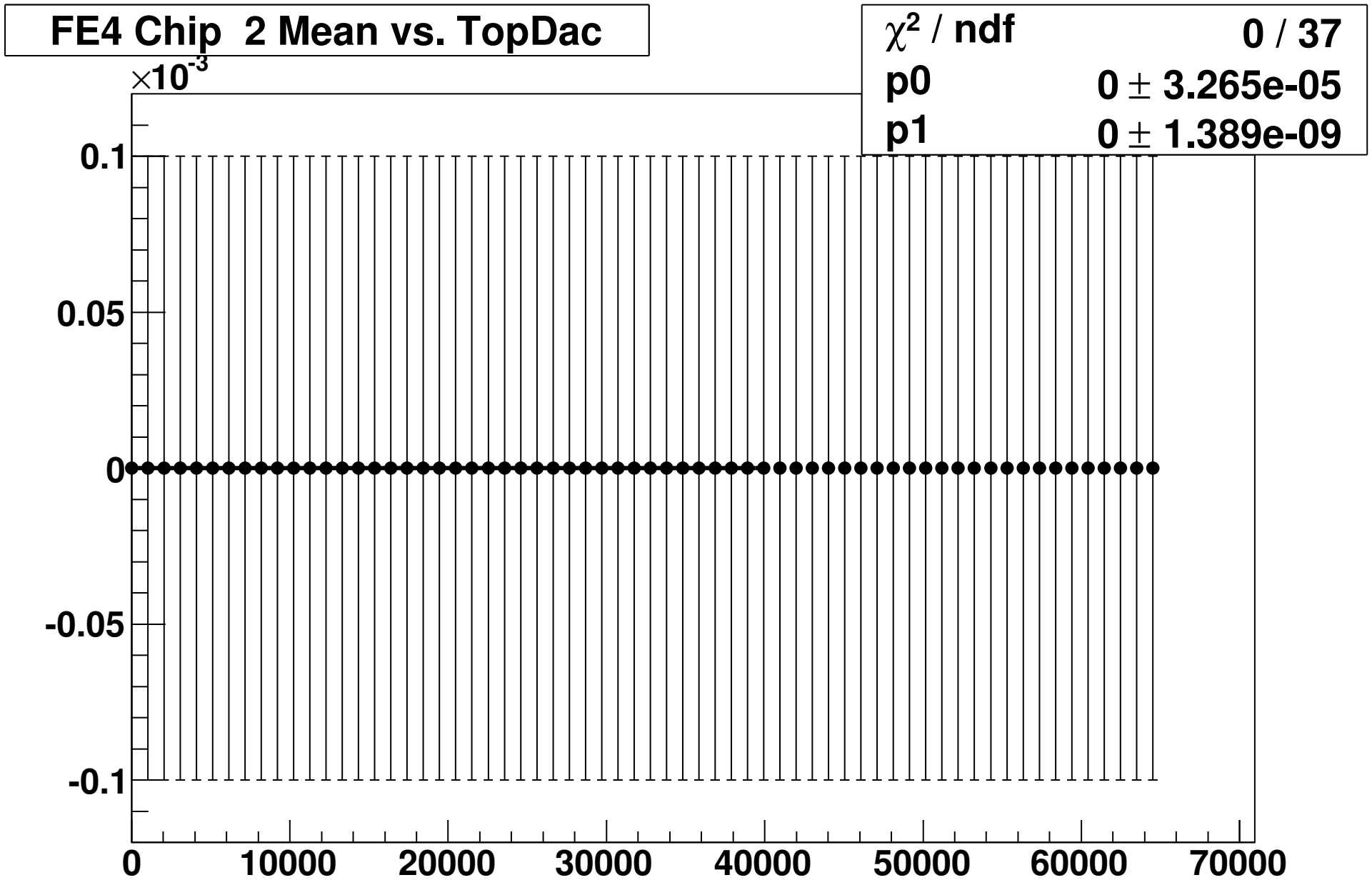
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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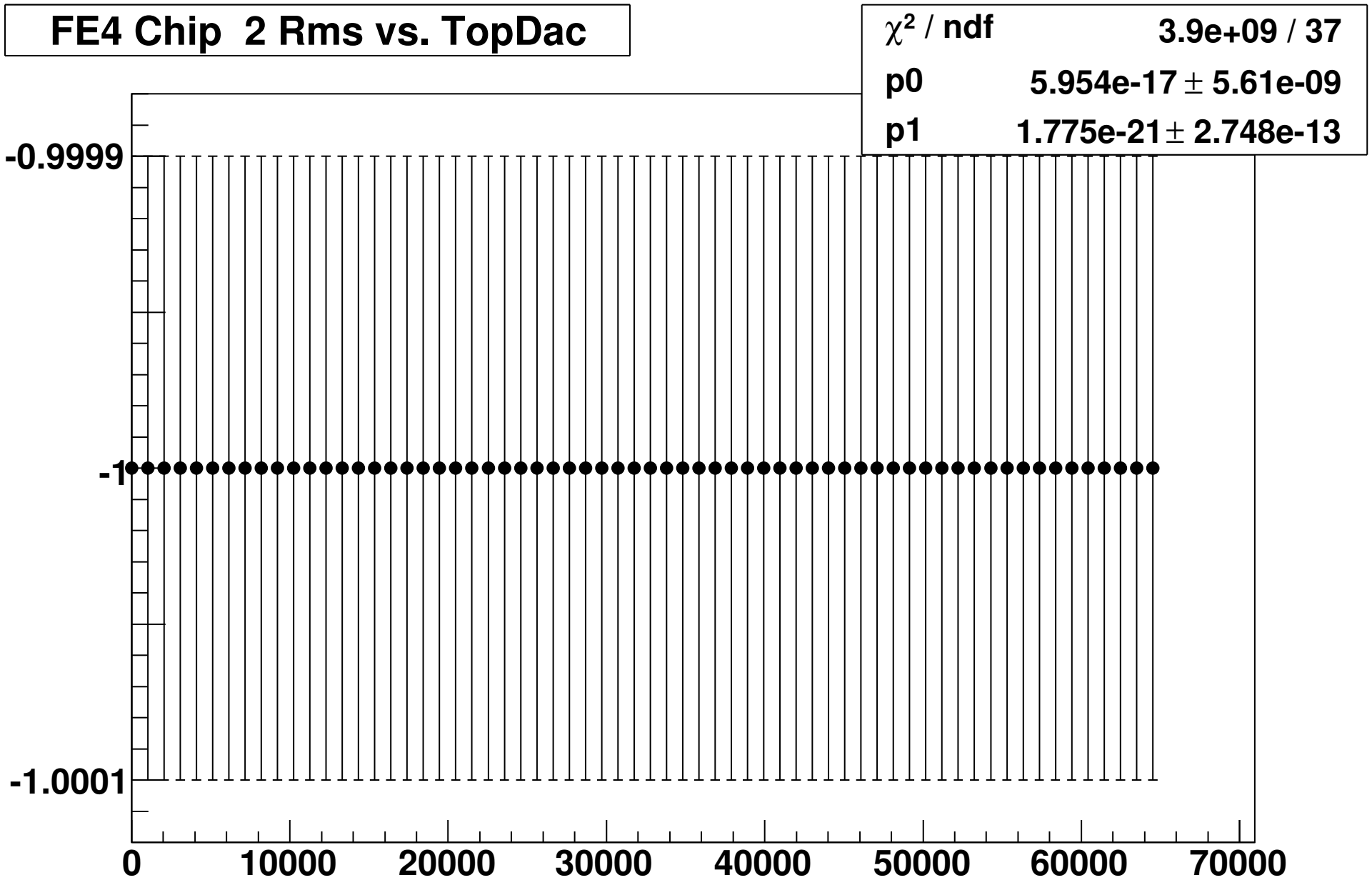
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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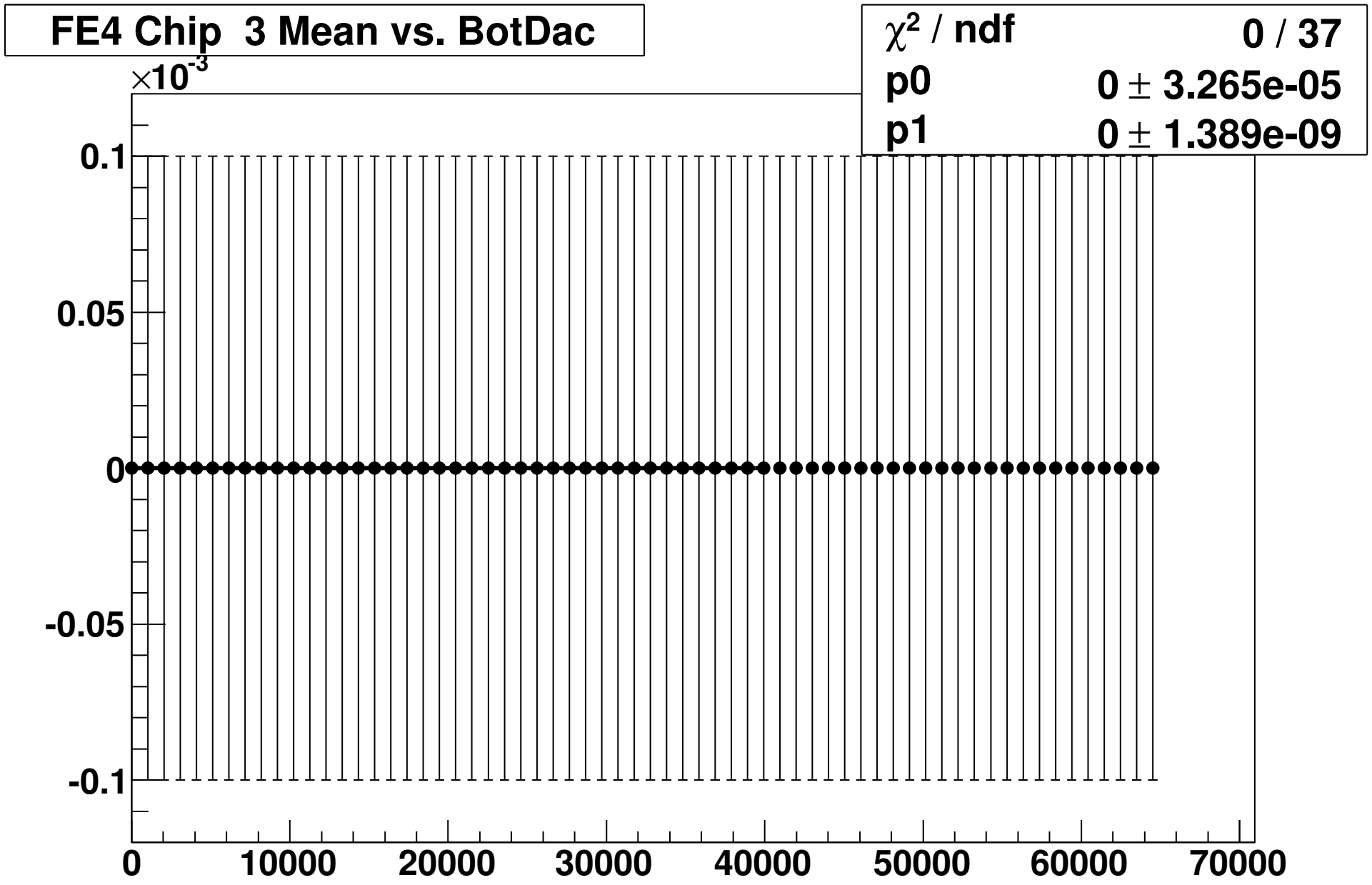
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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0.05
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-0.05
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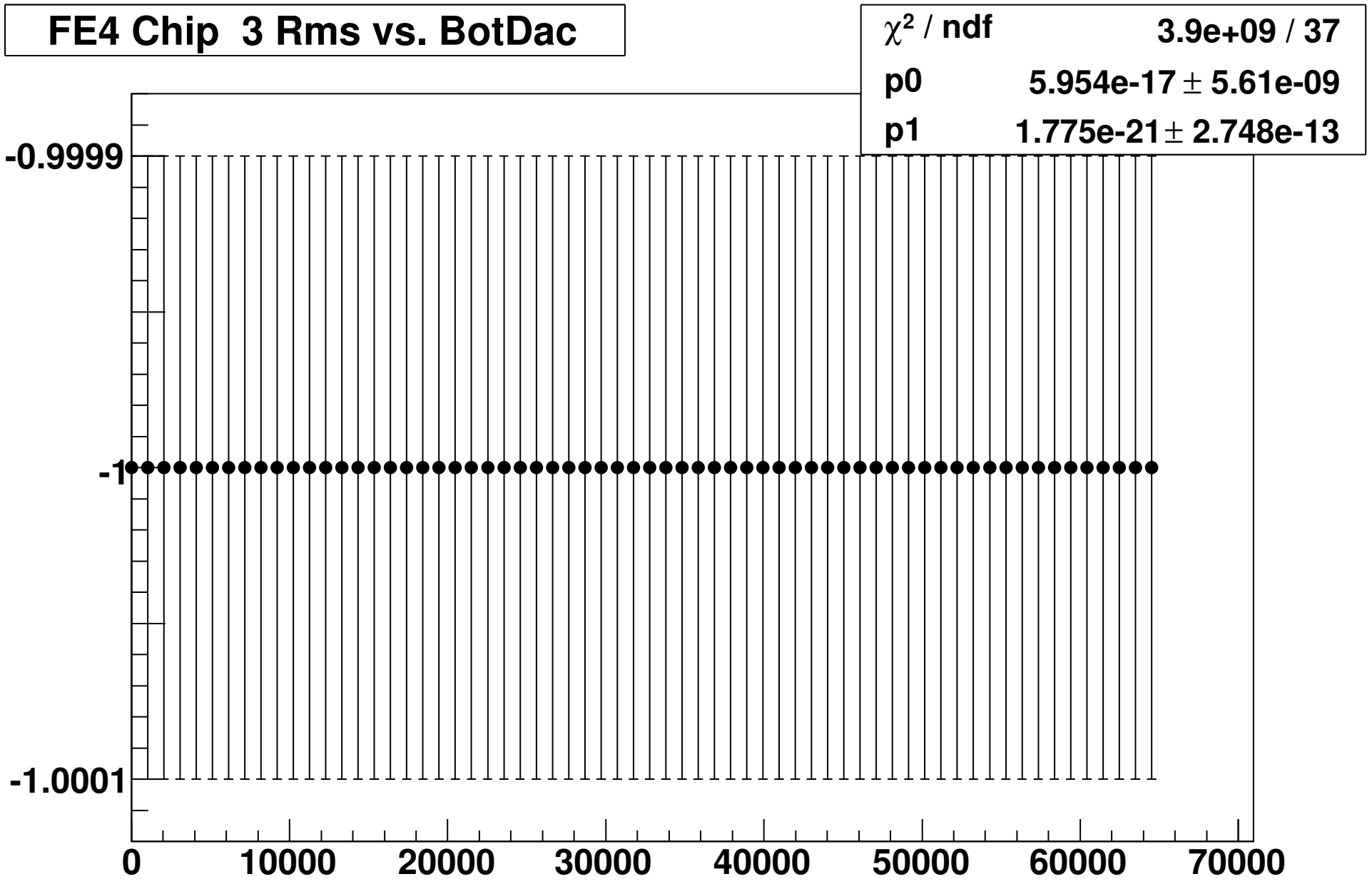
FE4 Chip 3 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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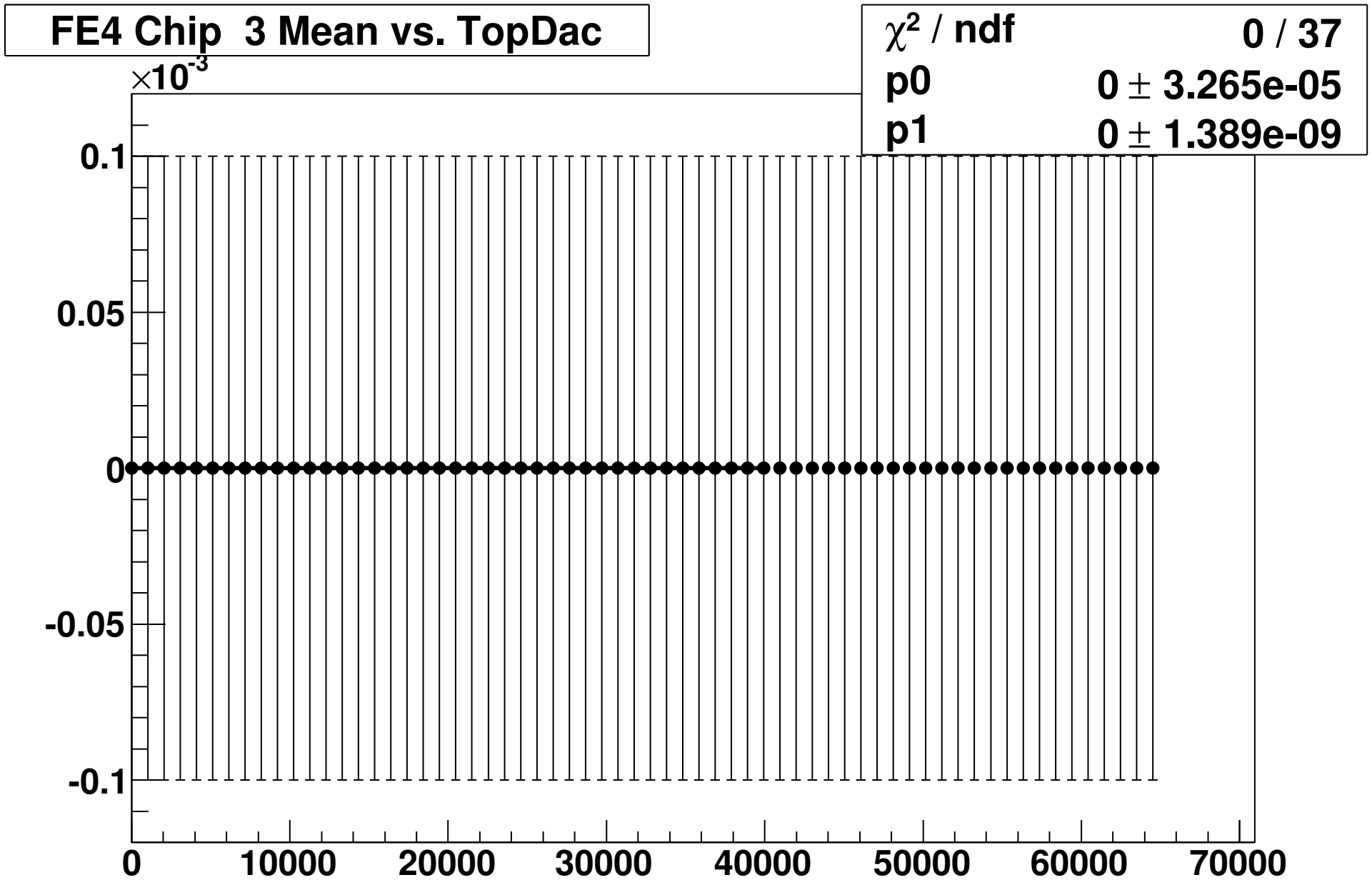
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
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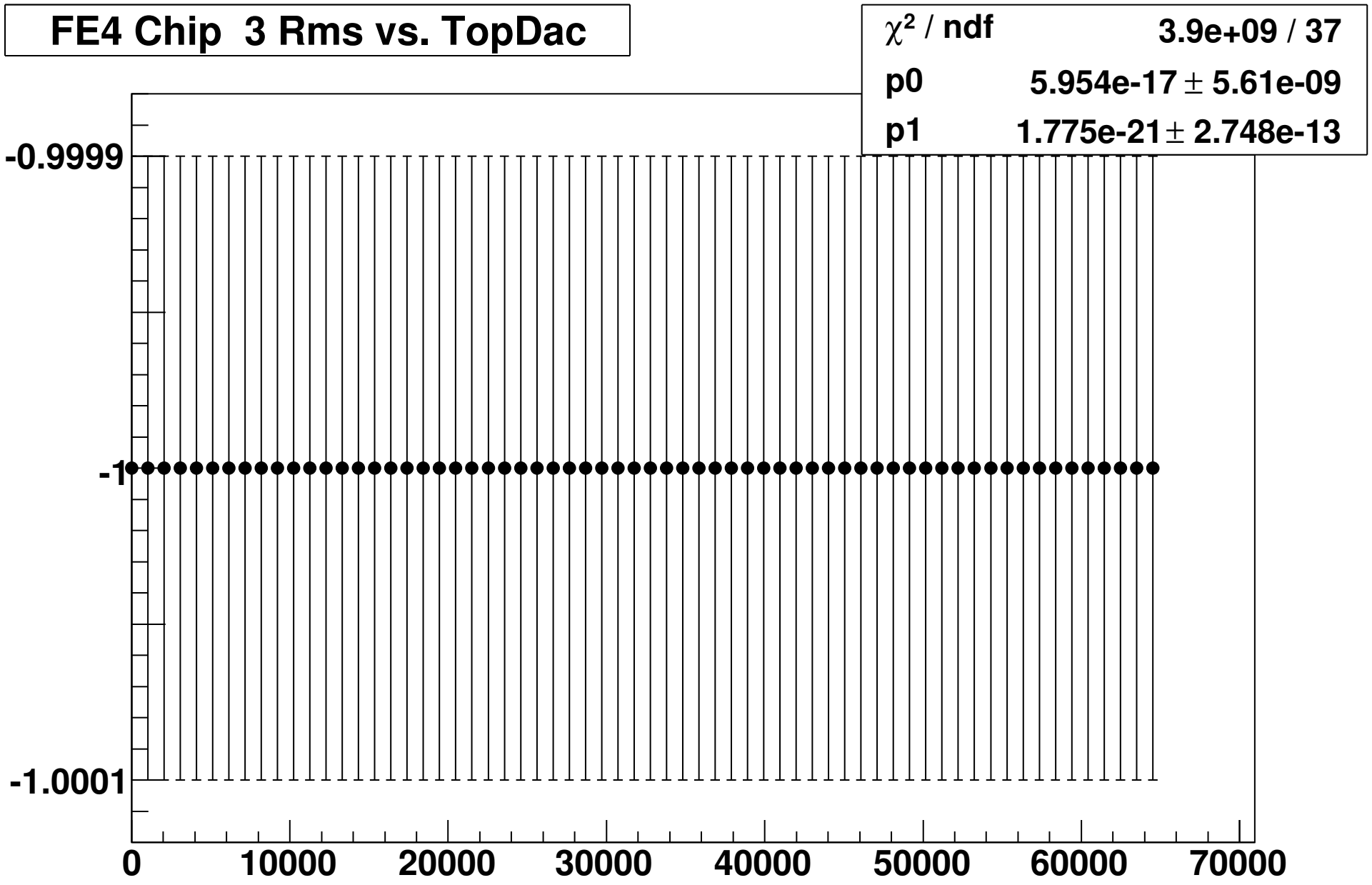
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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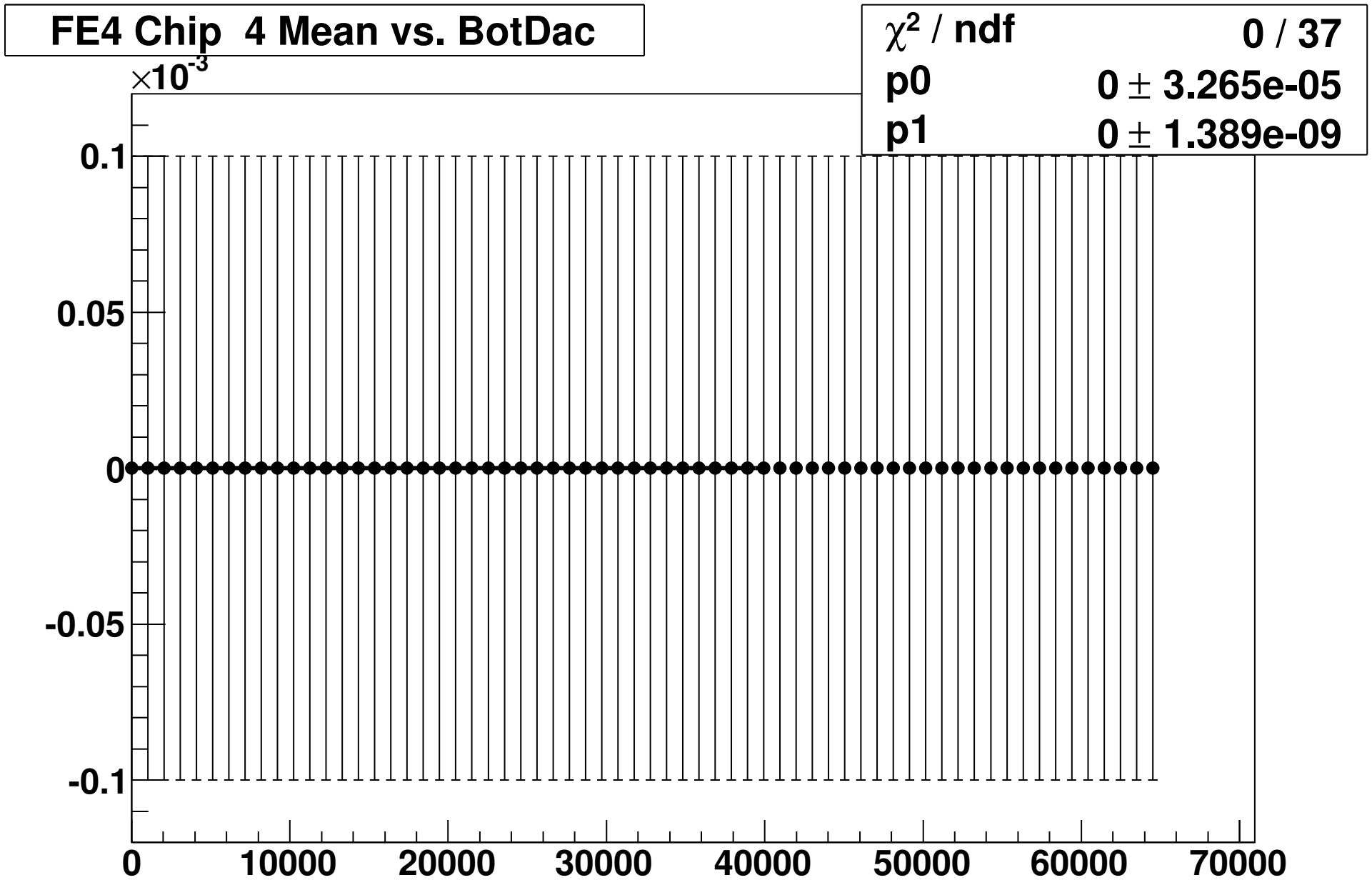
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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-0.05
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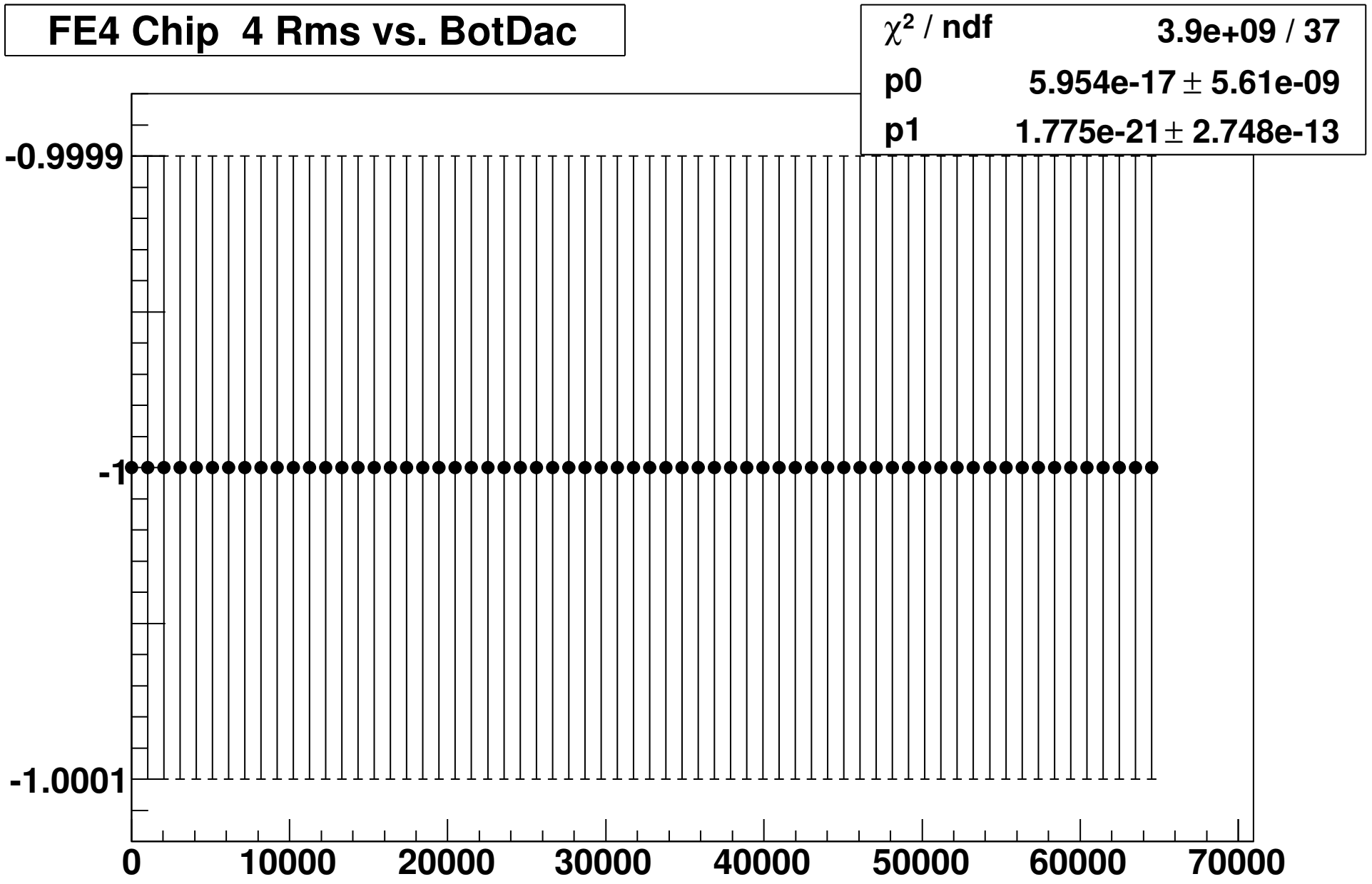
FE4 Chip 4 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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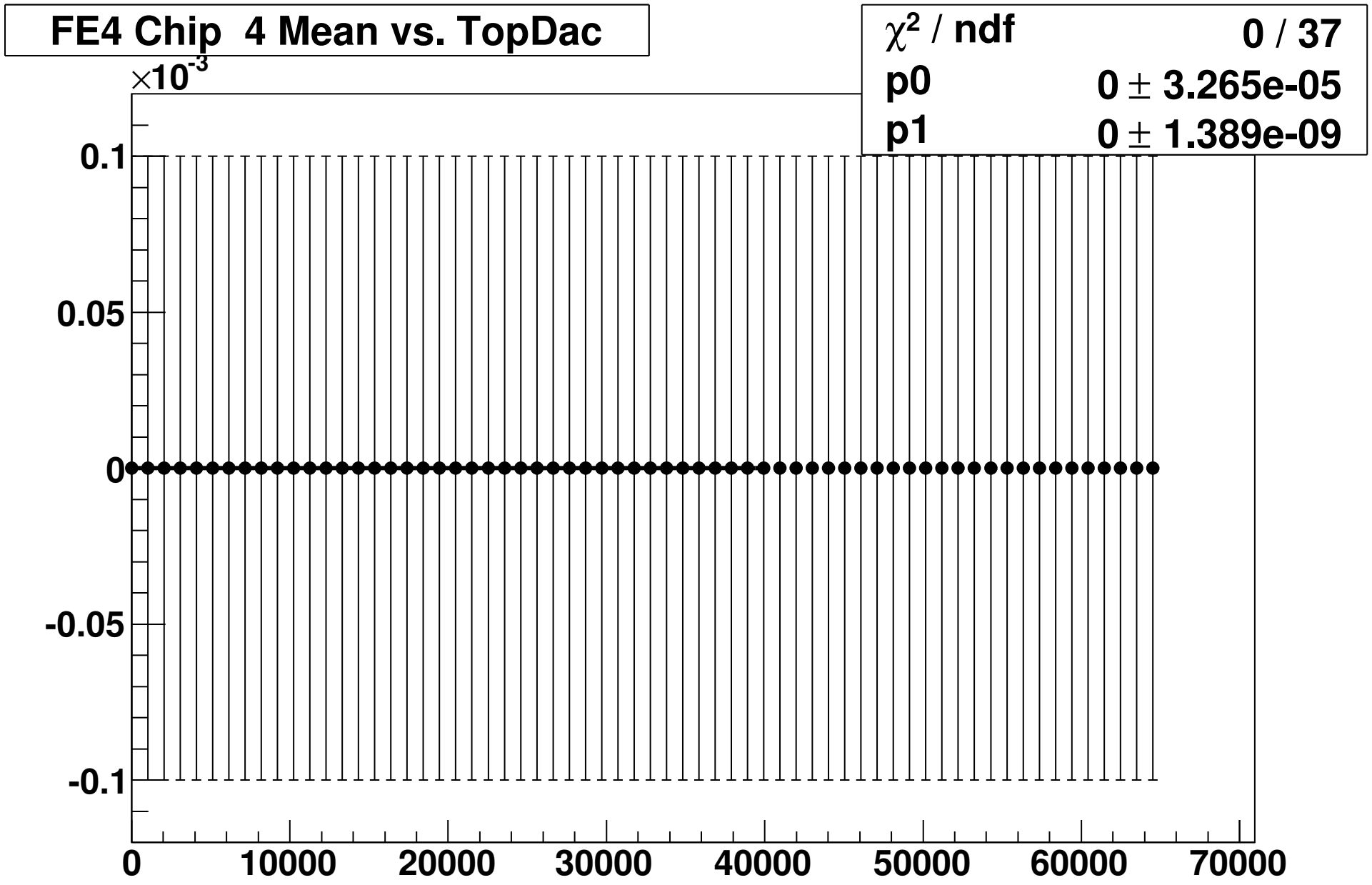
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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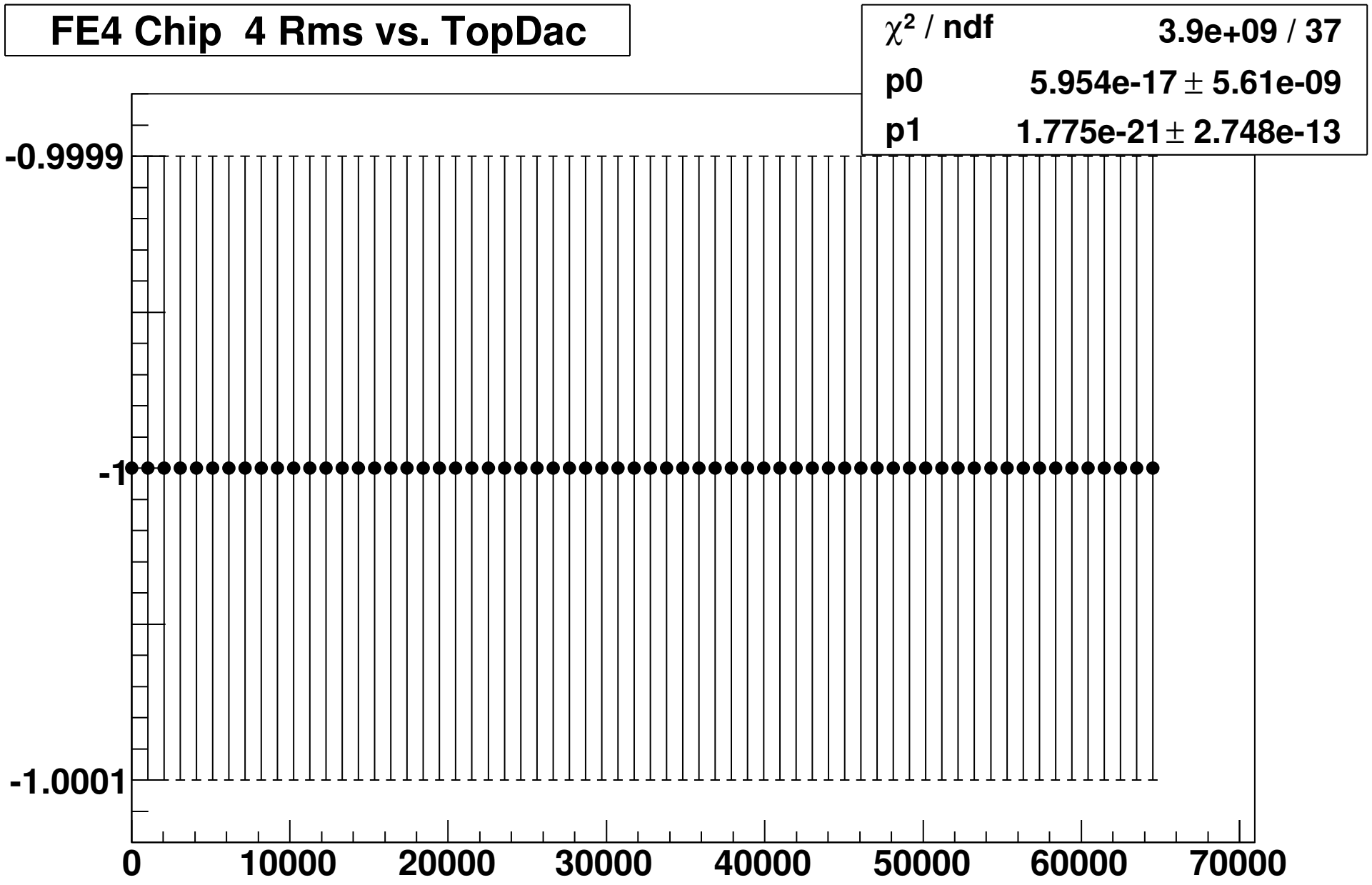
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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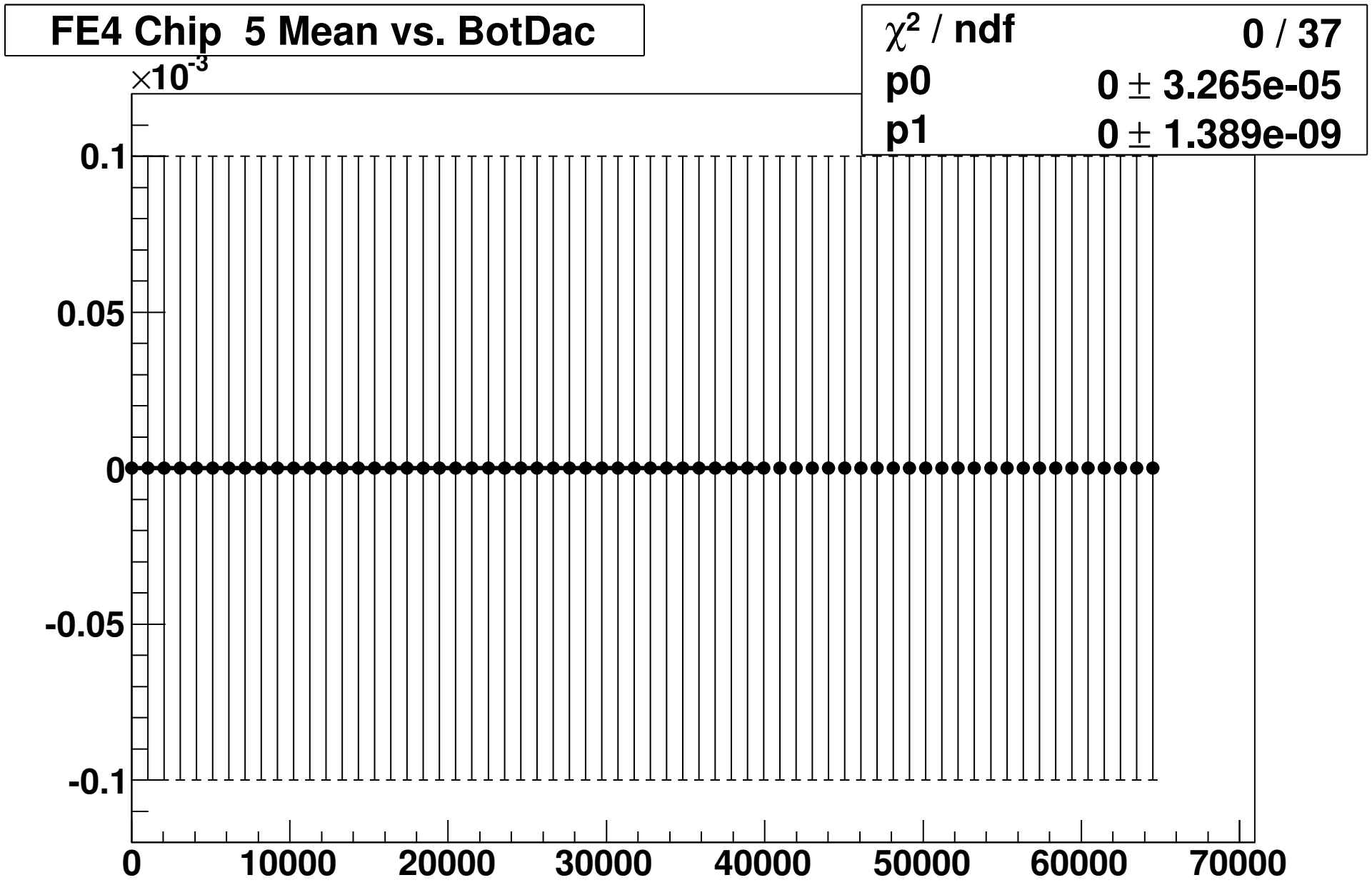
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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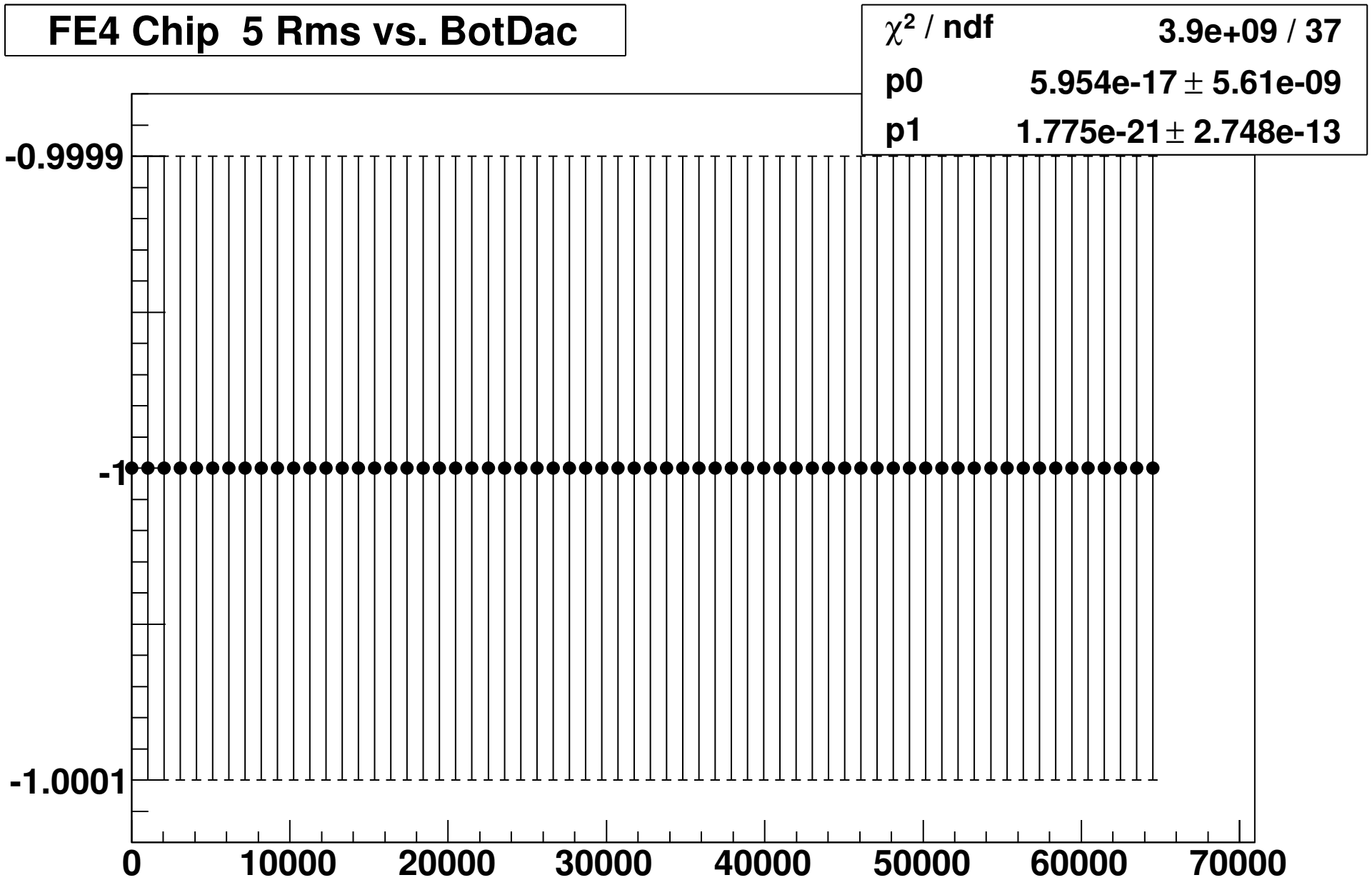
FE4 Chip 5 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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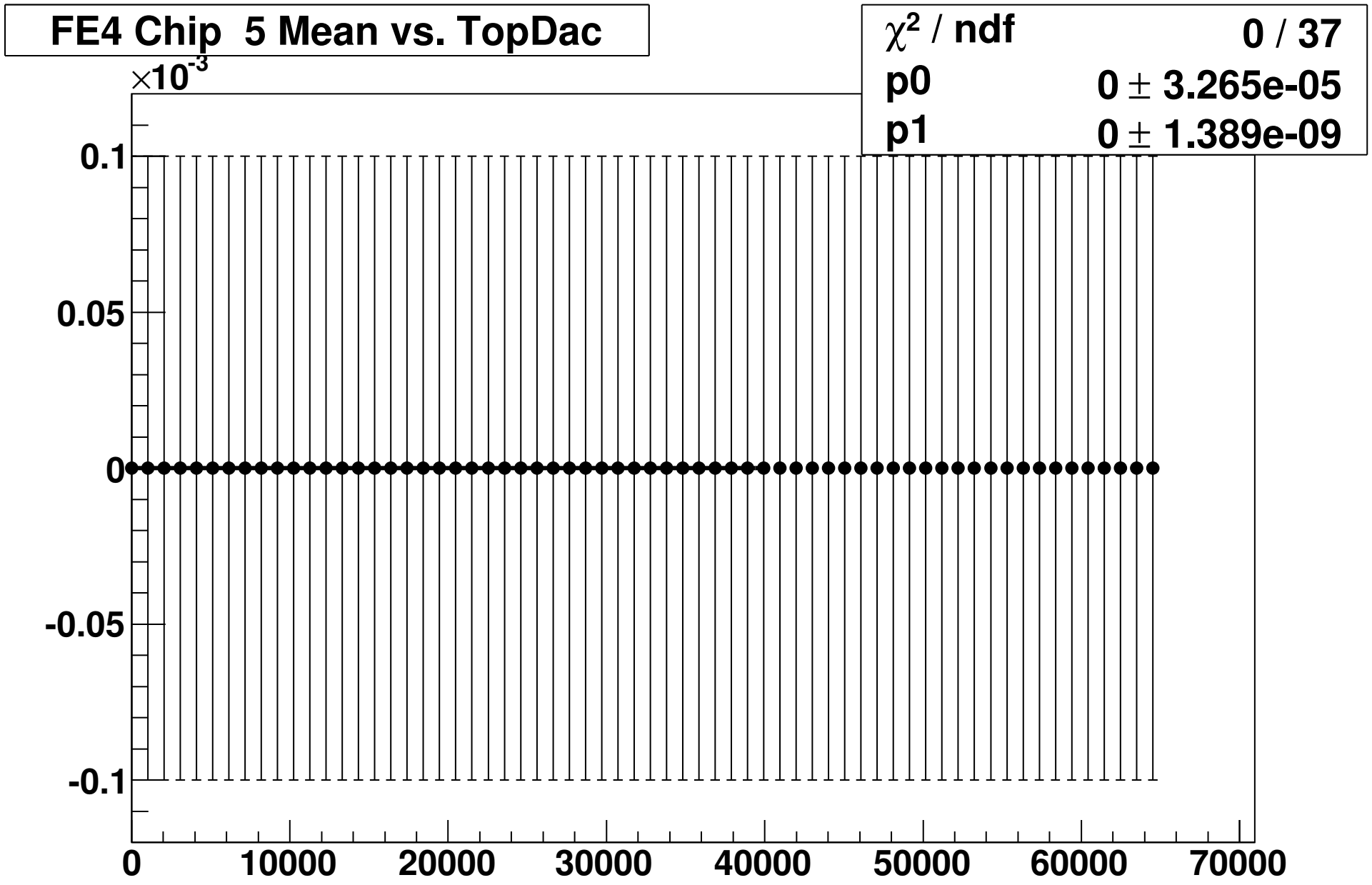
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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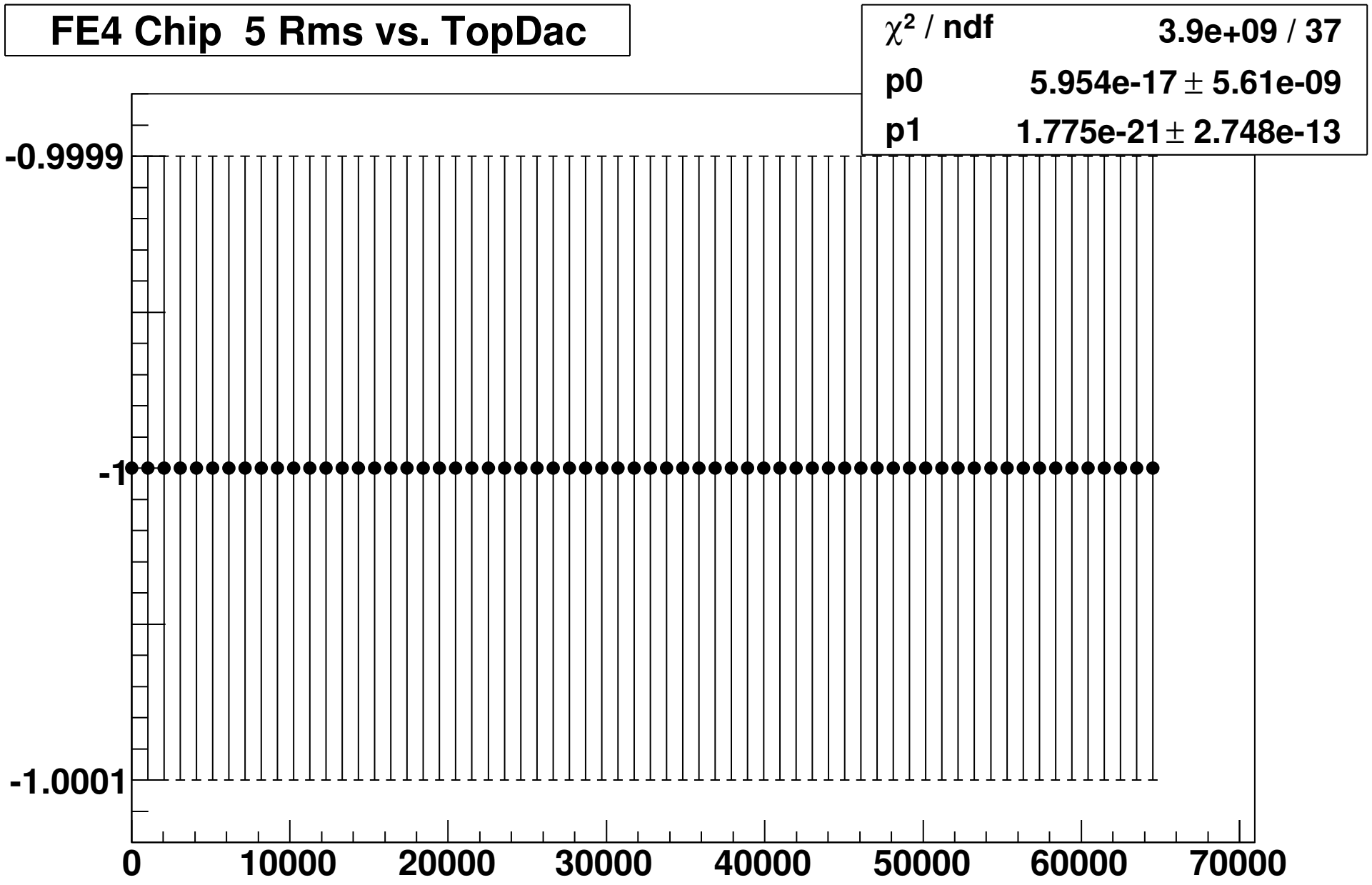
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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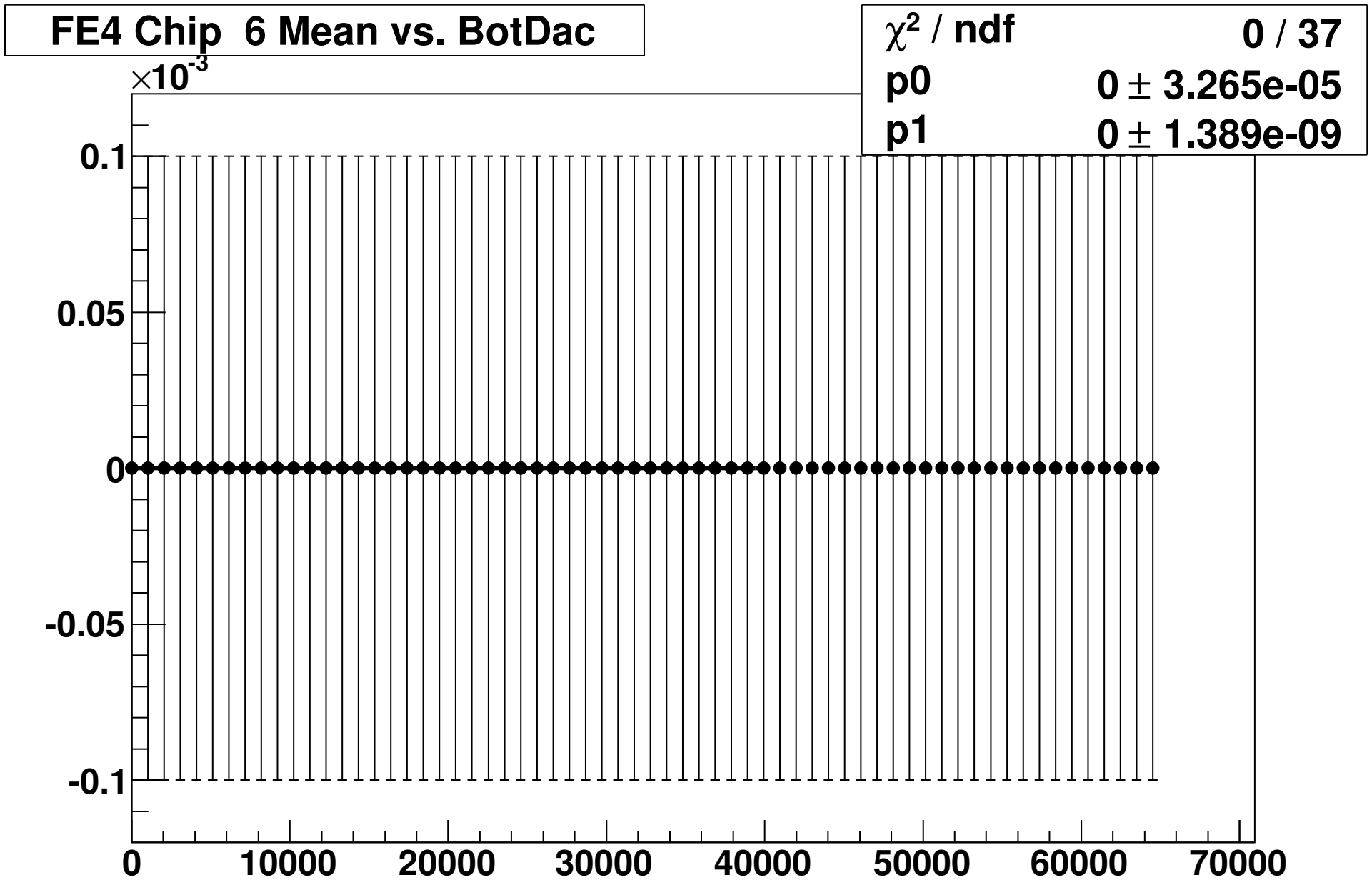
FE4 Chip 6 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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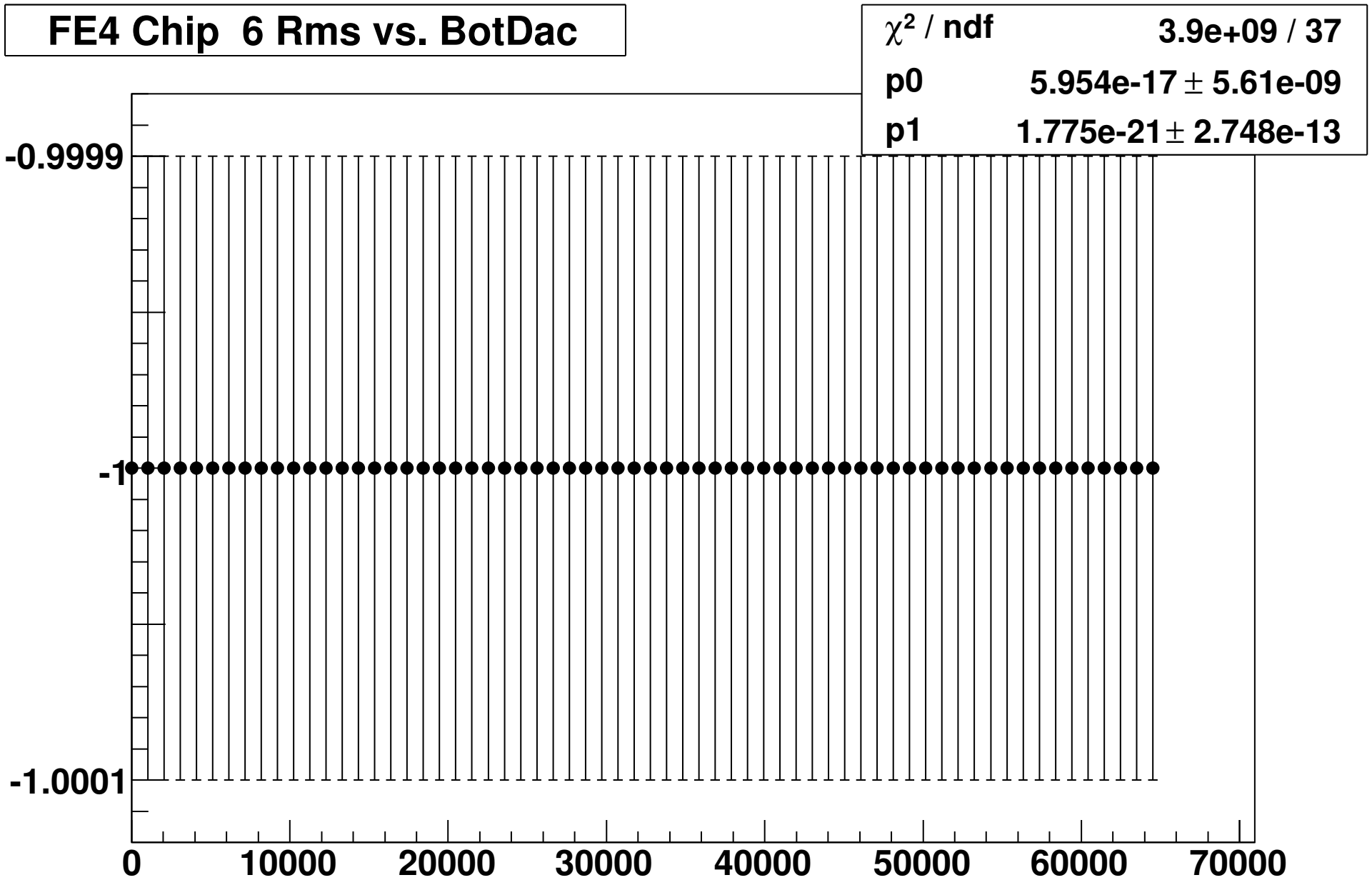
FE4 Chip 6 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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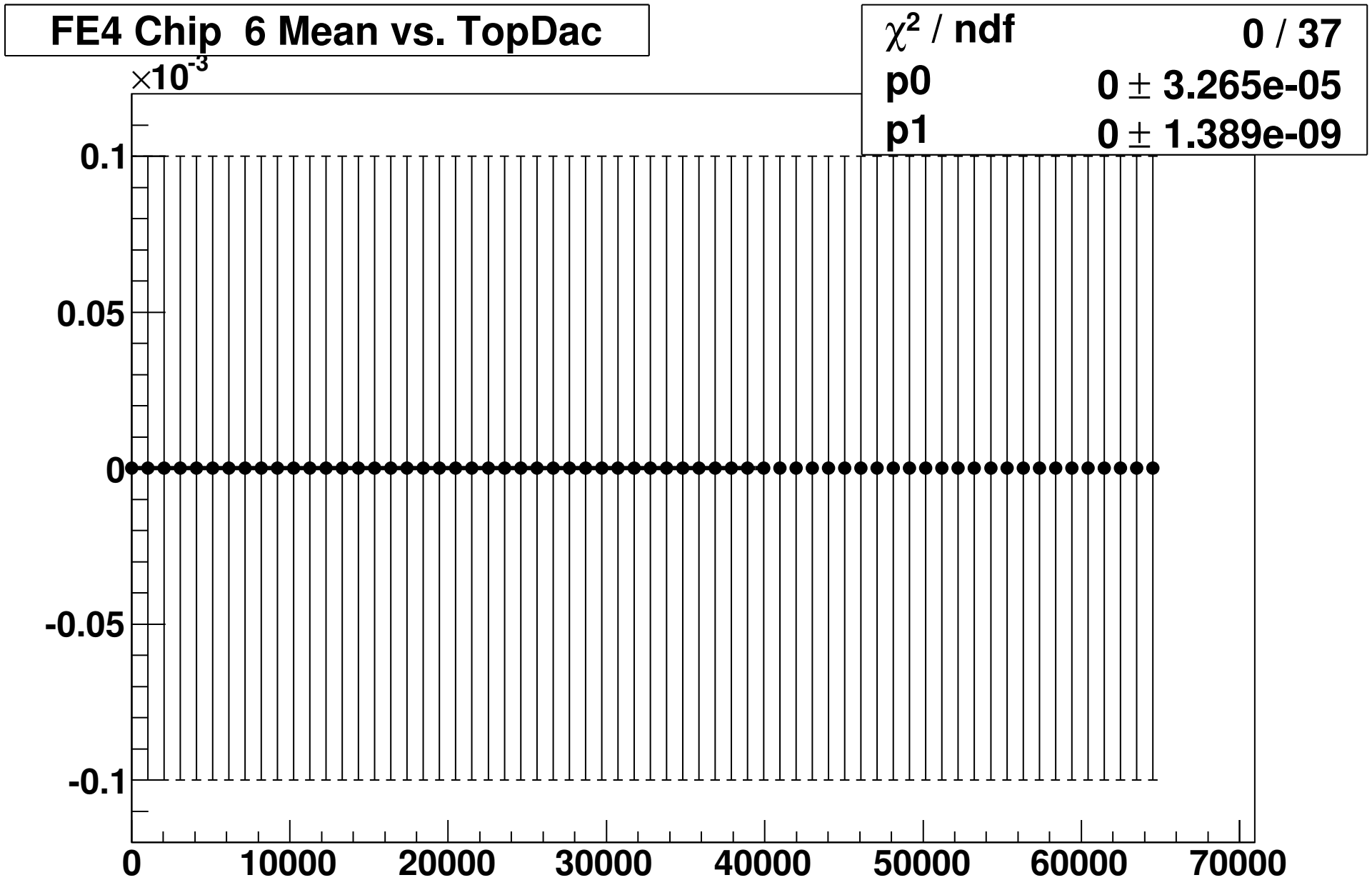
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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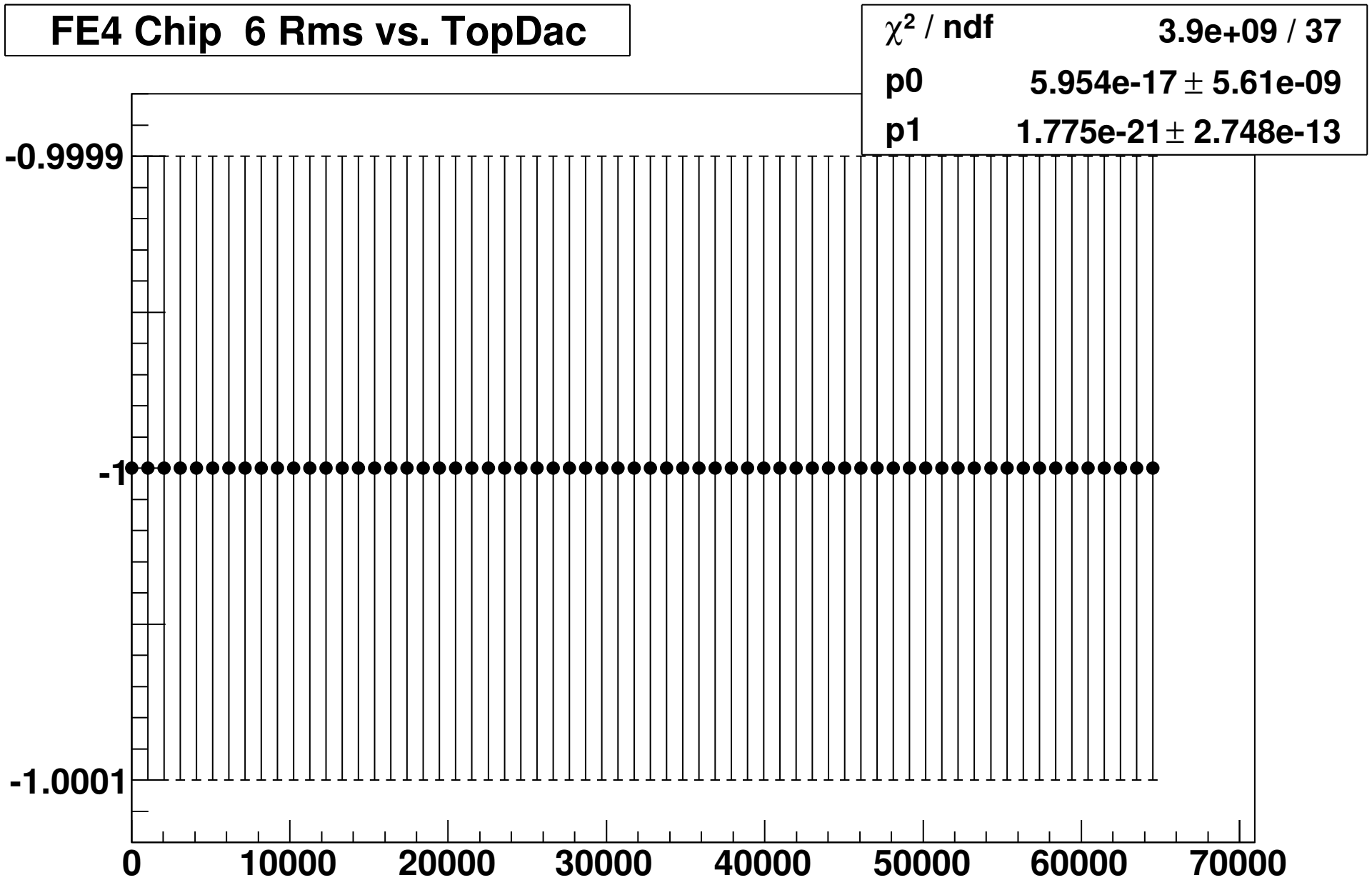
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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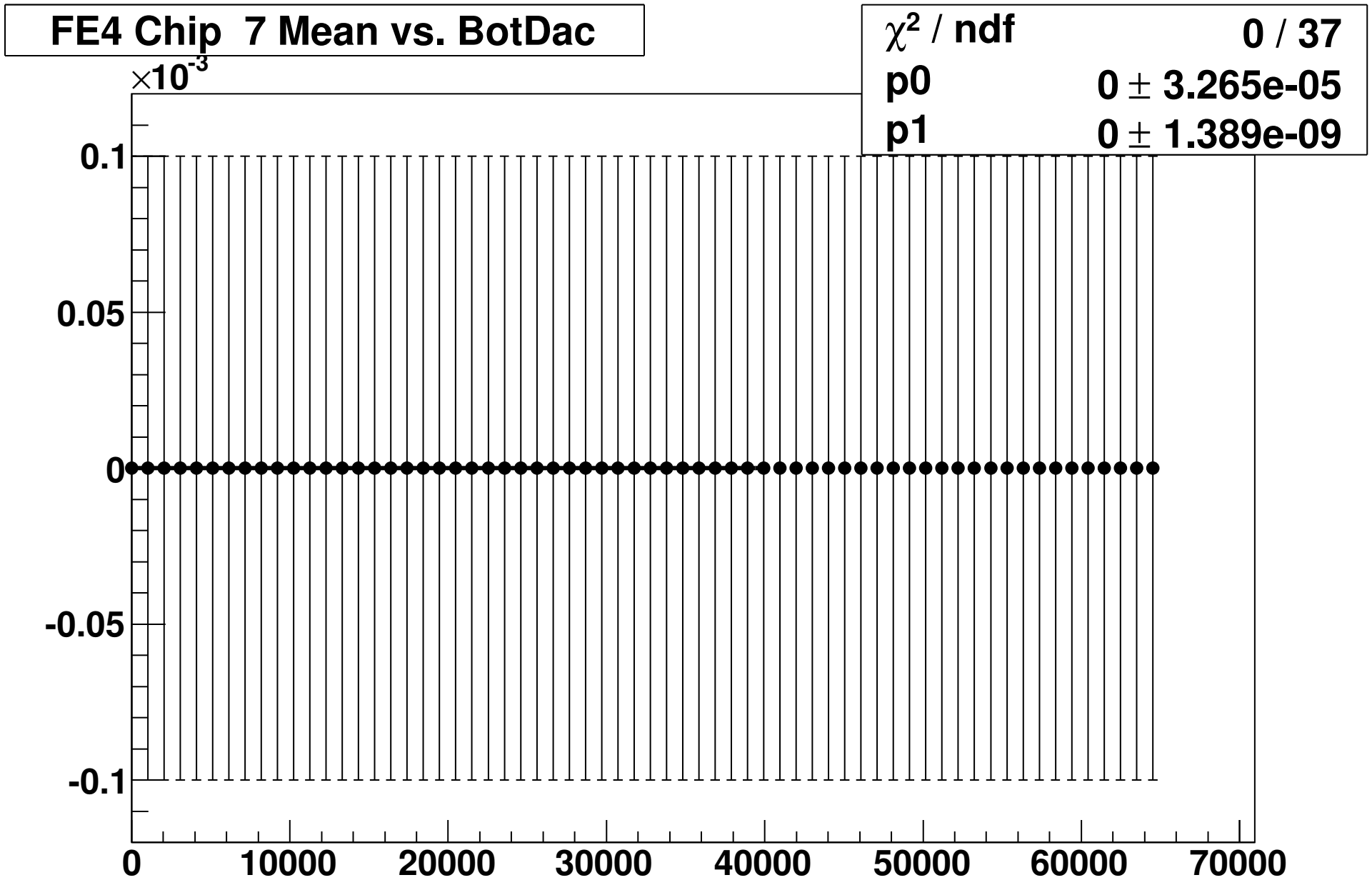
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 0 / 37
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p1 0 ± 1.389e-09
×10⁻³
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-0.05
-0.1
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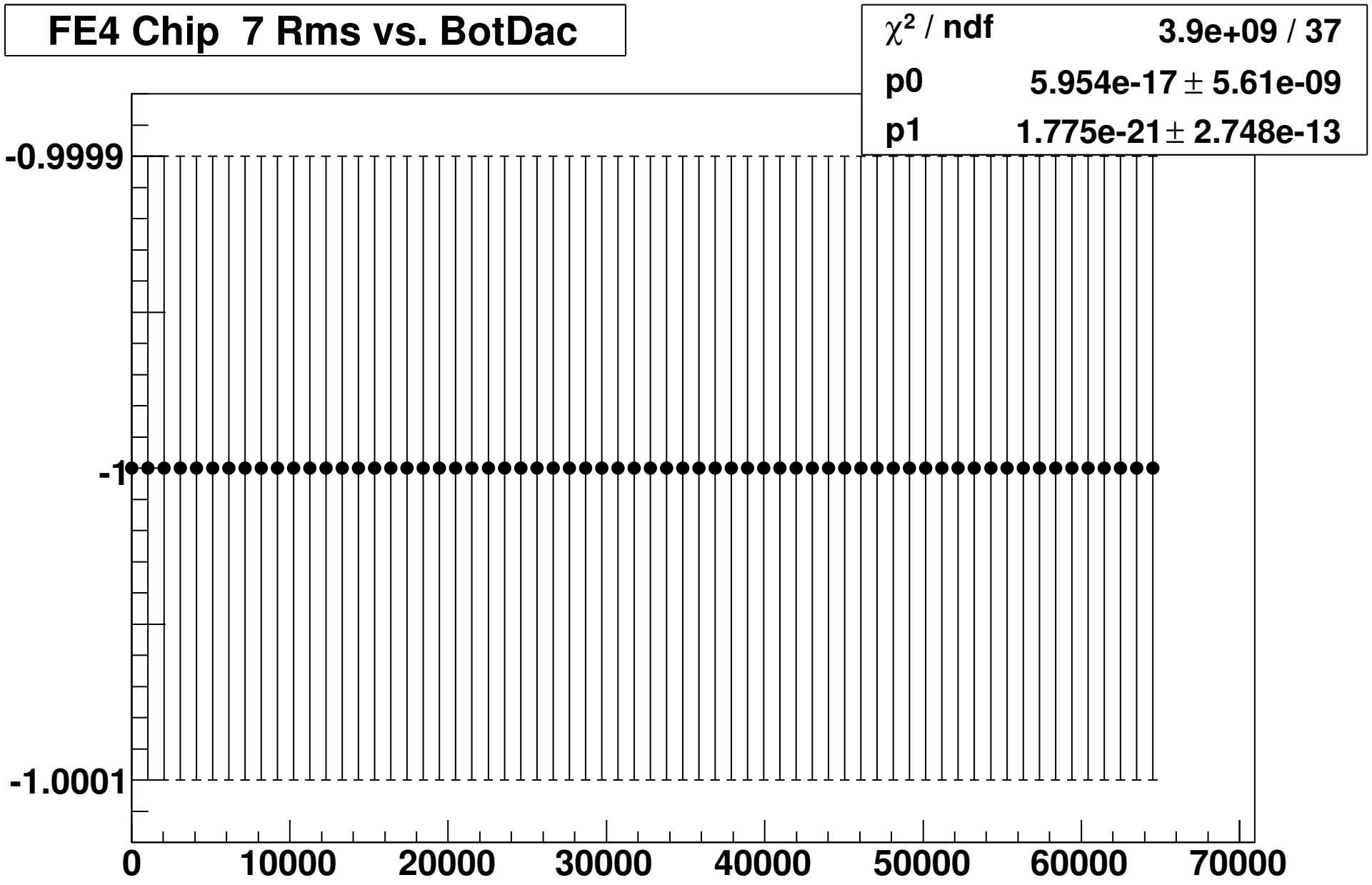
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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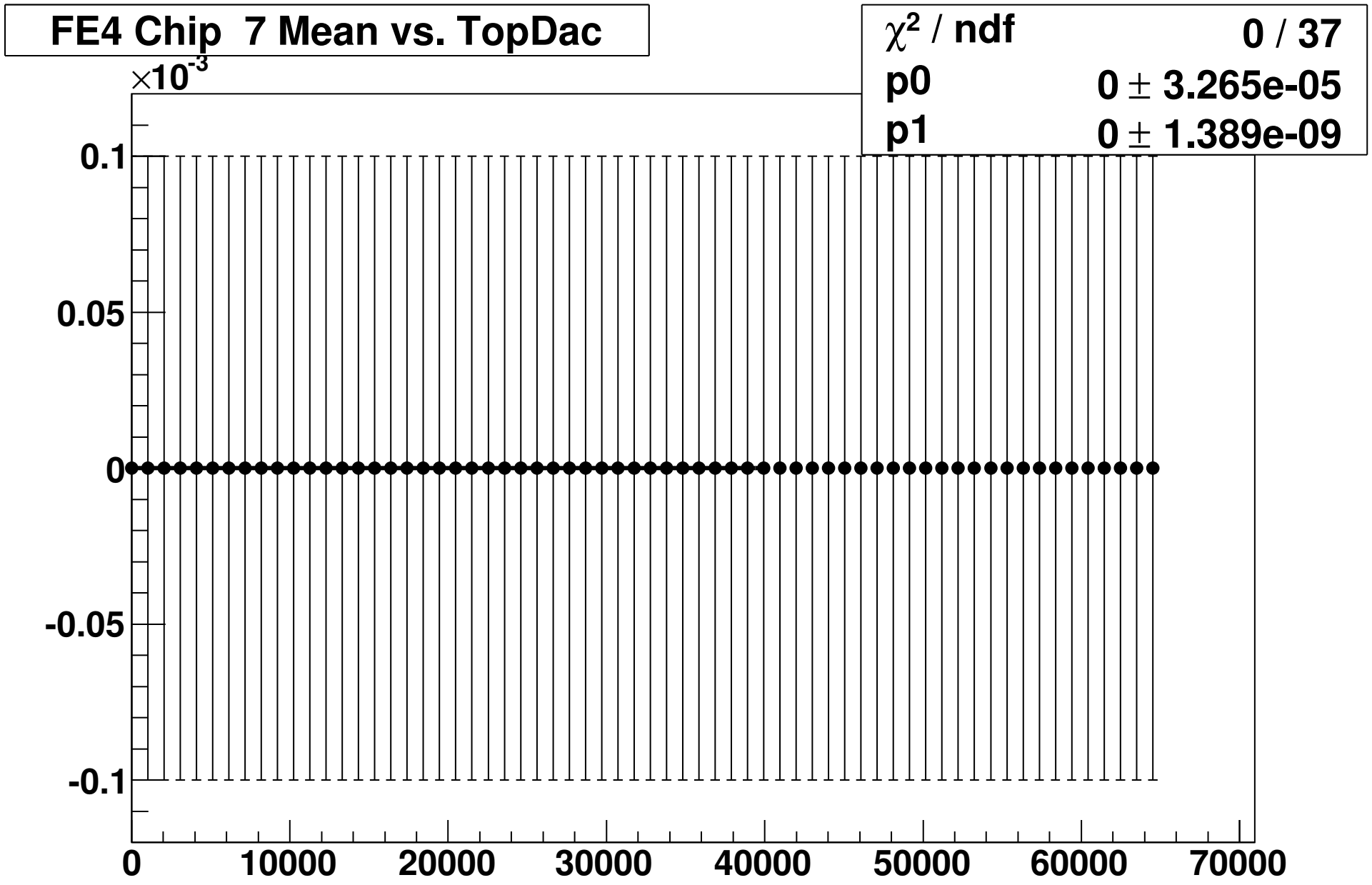
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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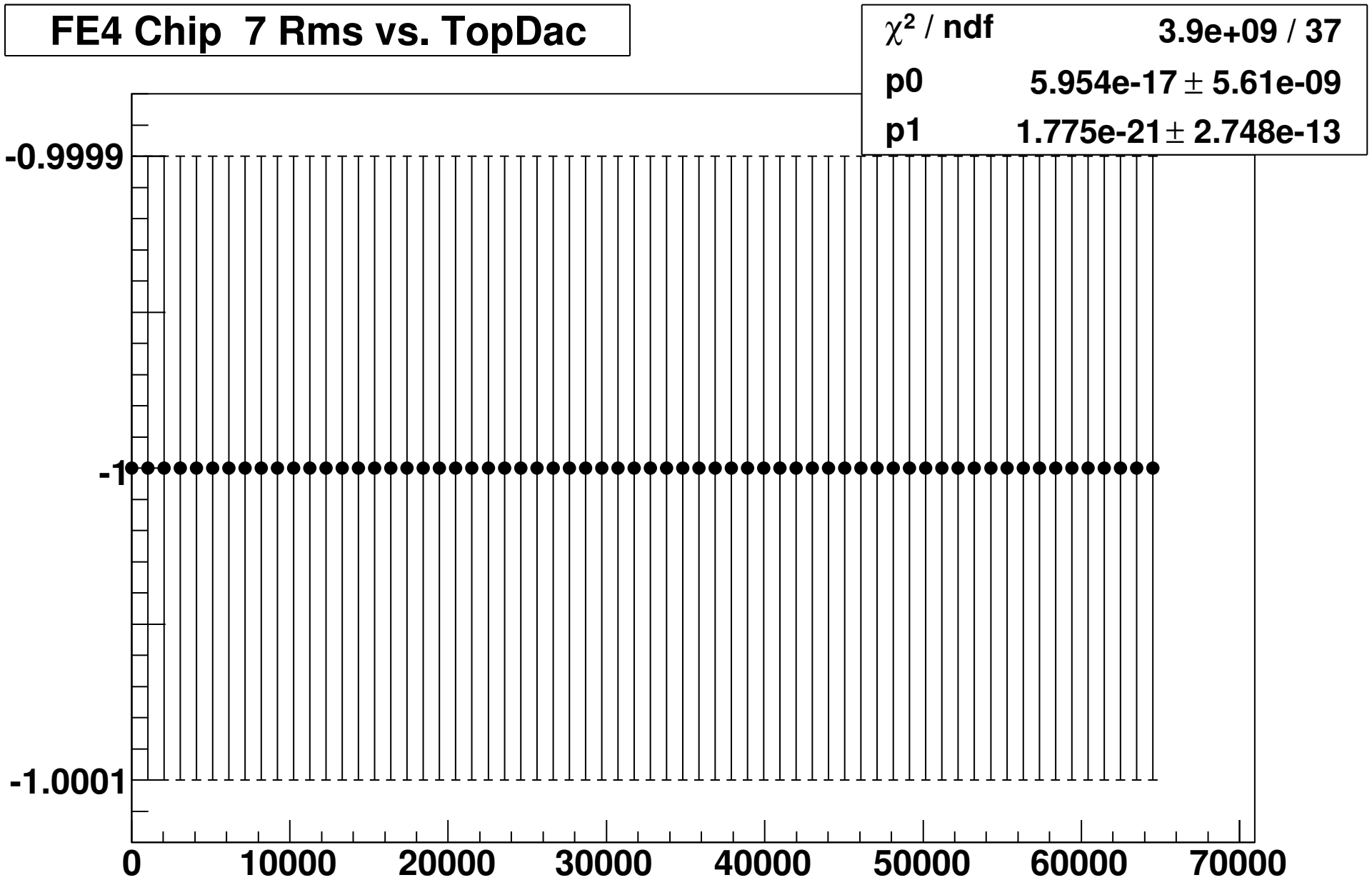
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
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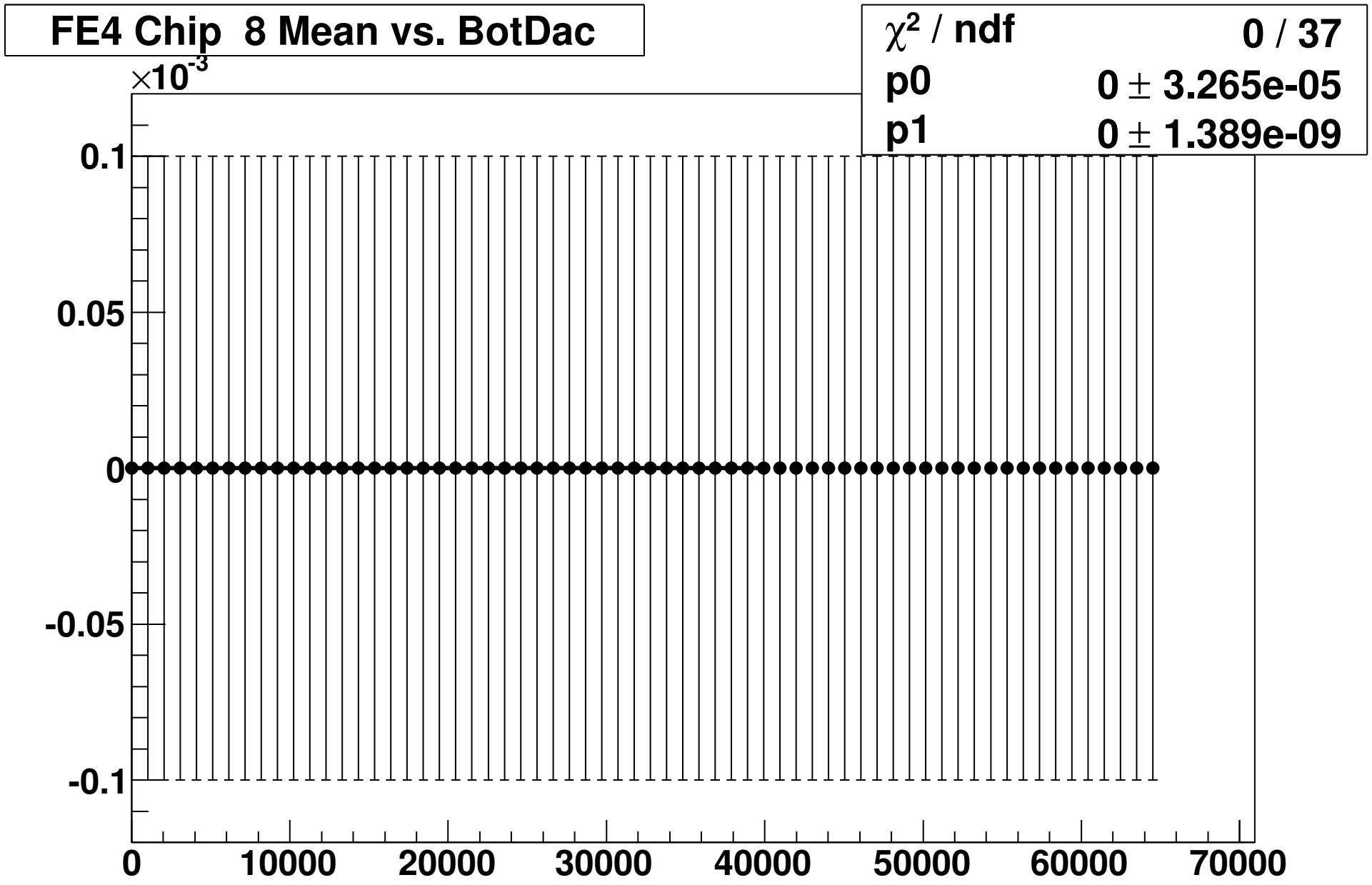
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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-0.05
-0.1
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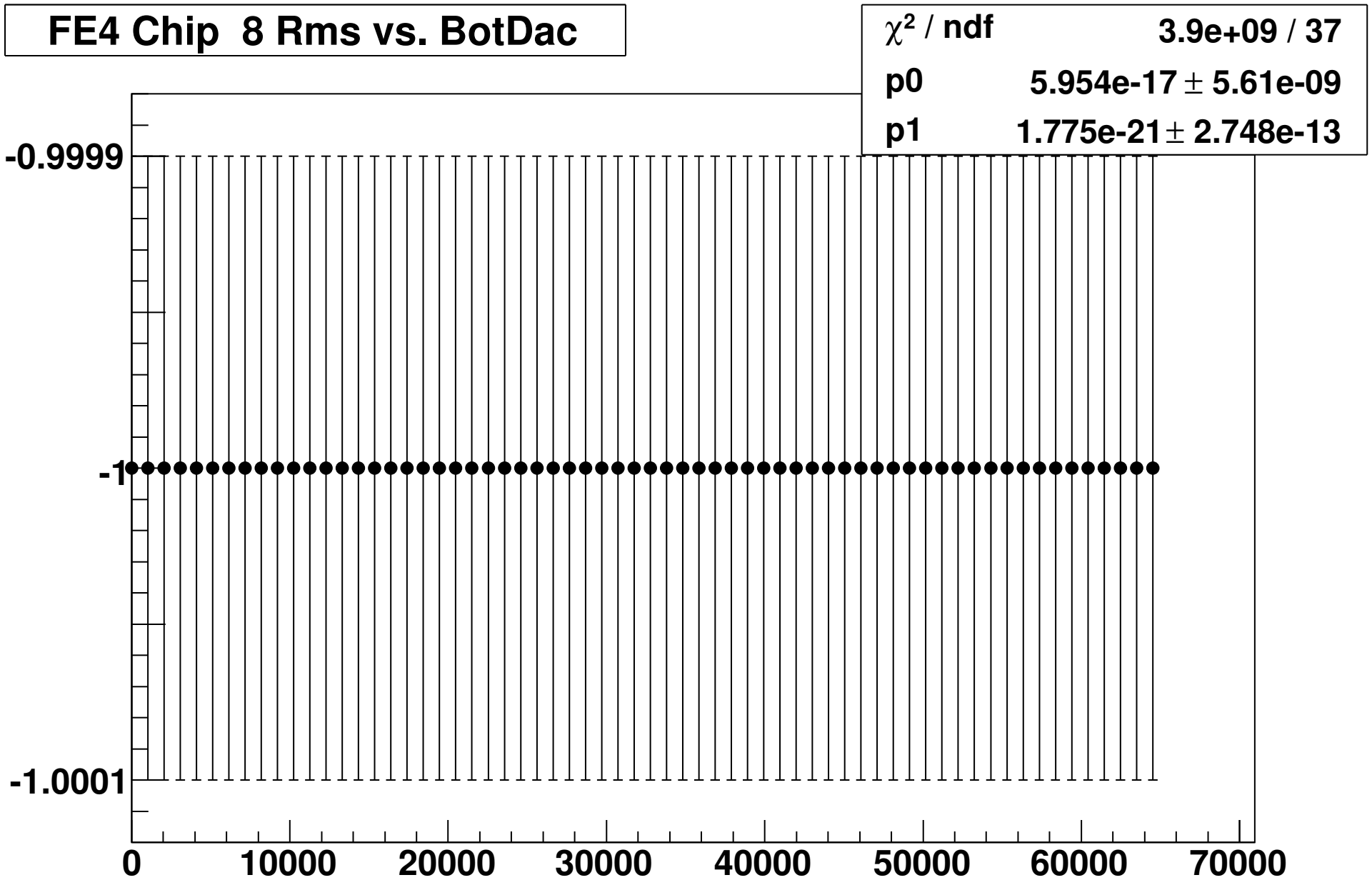
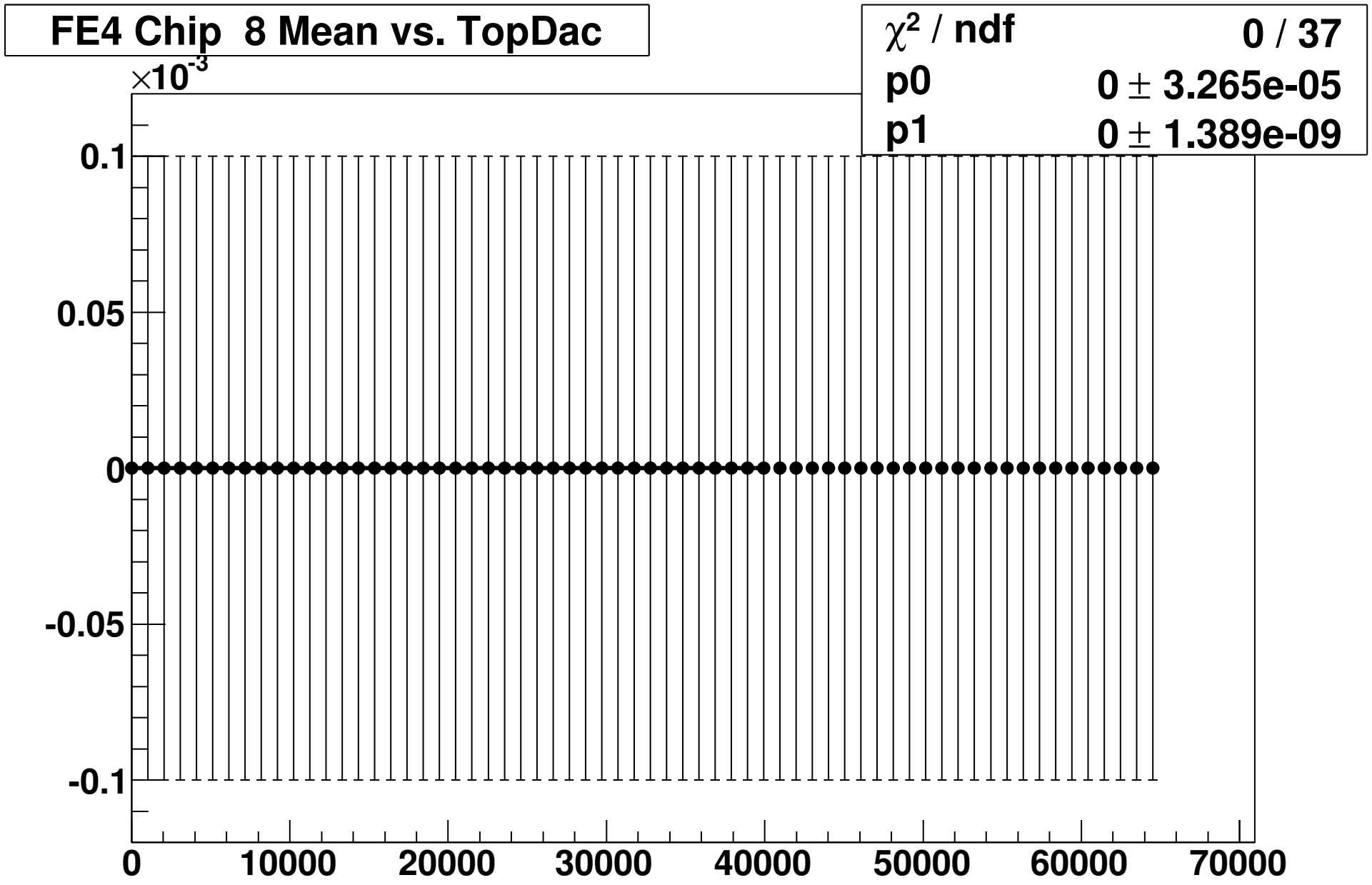

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
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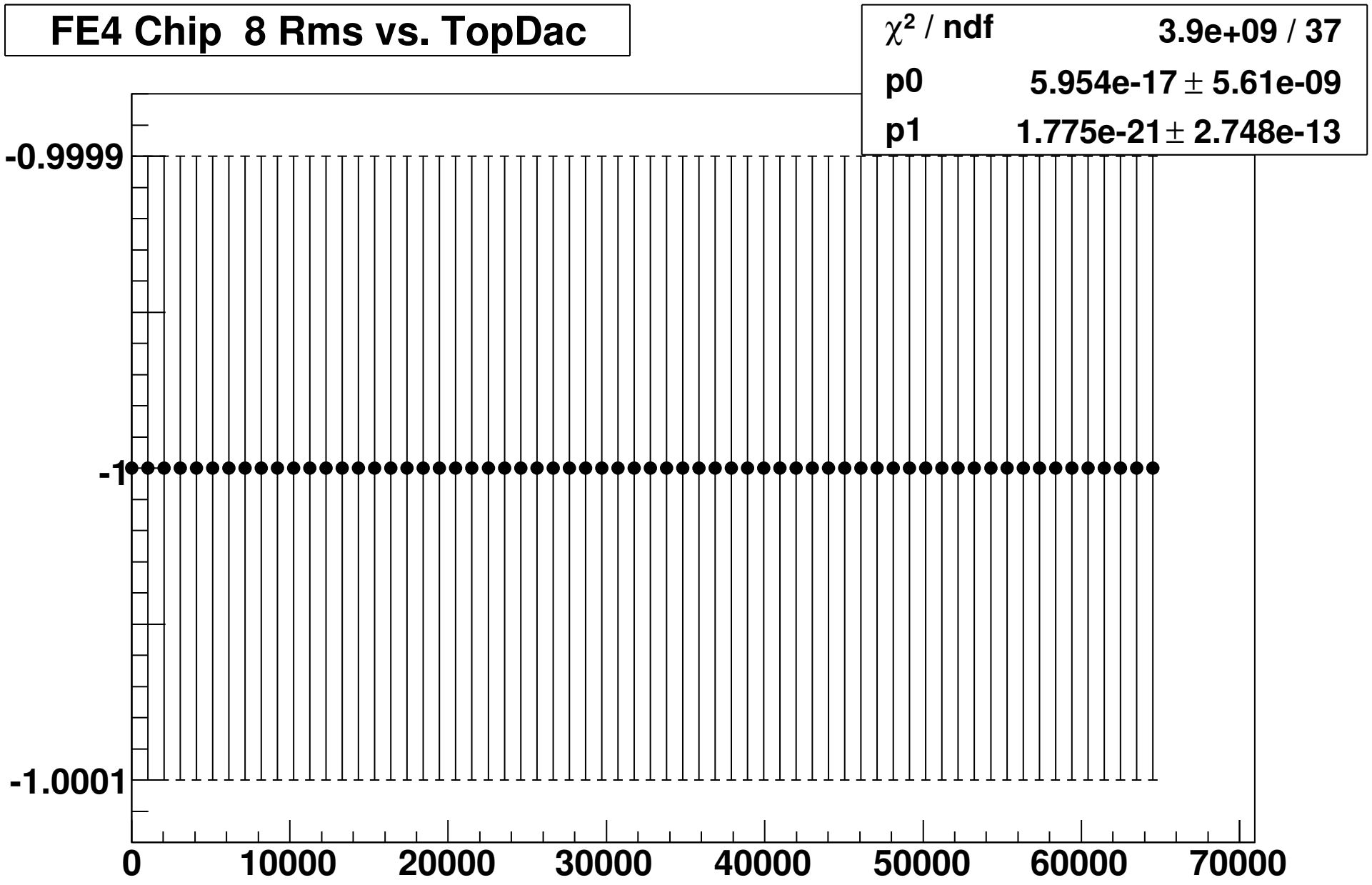
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
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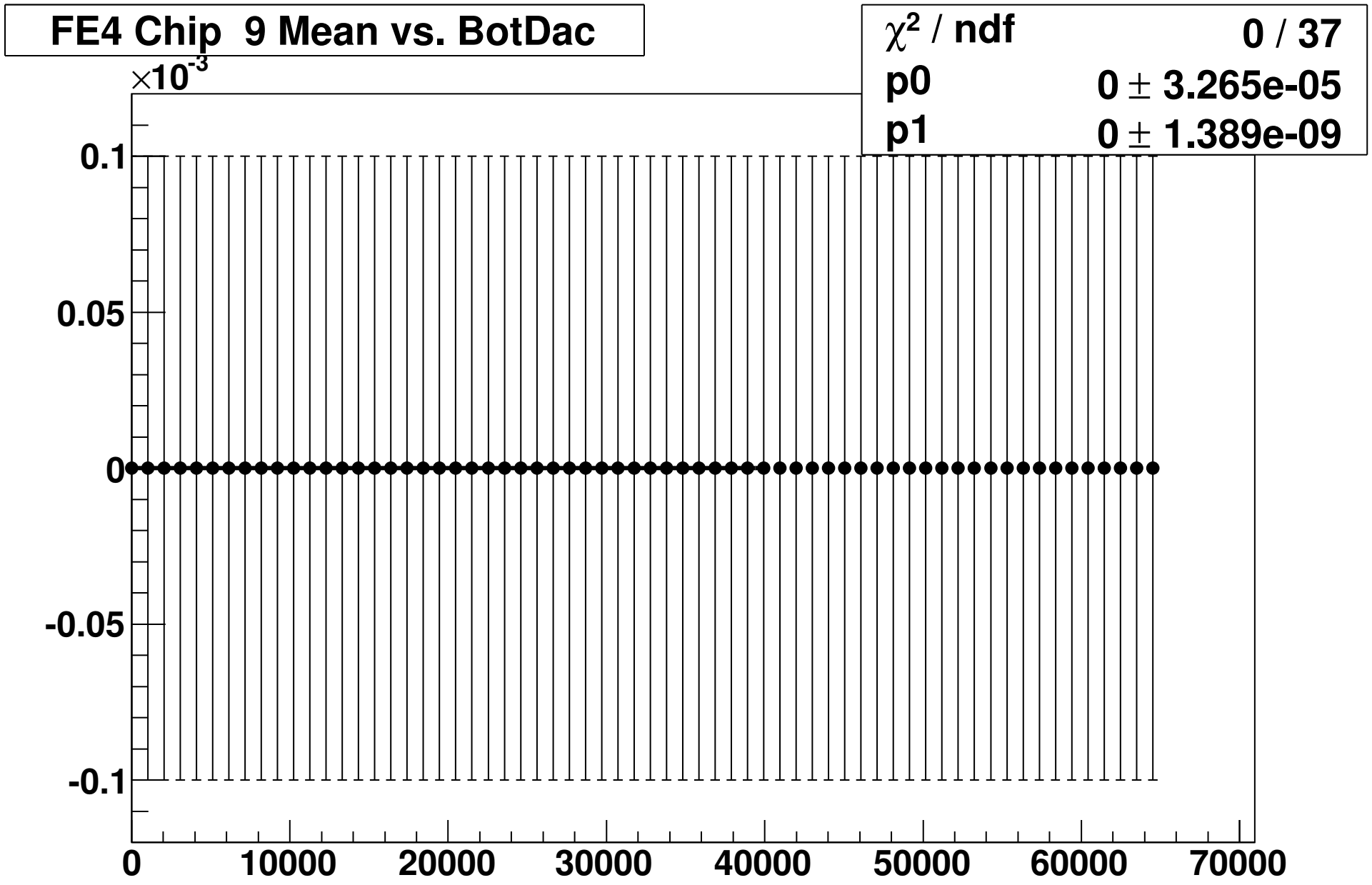
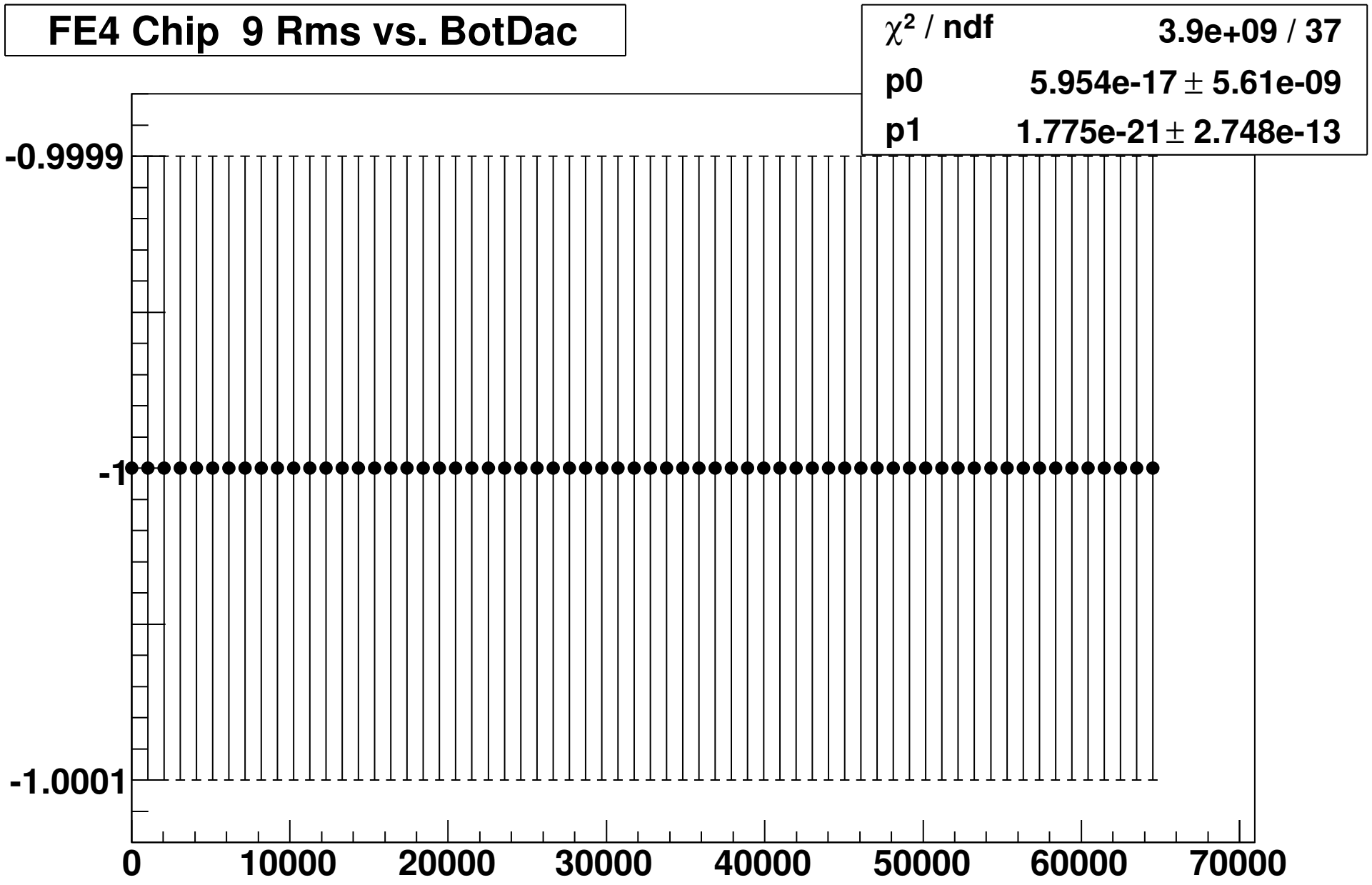
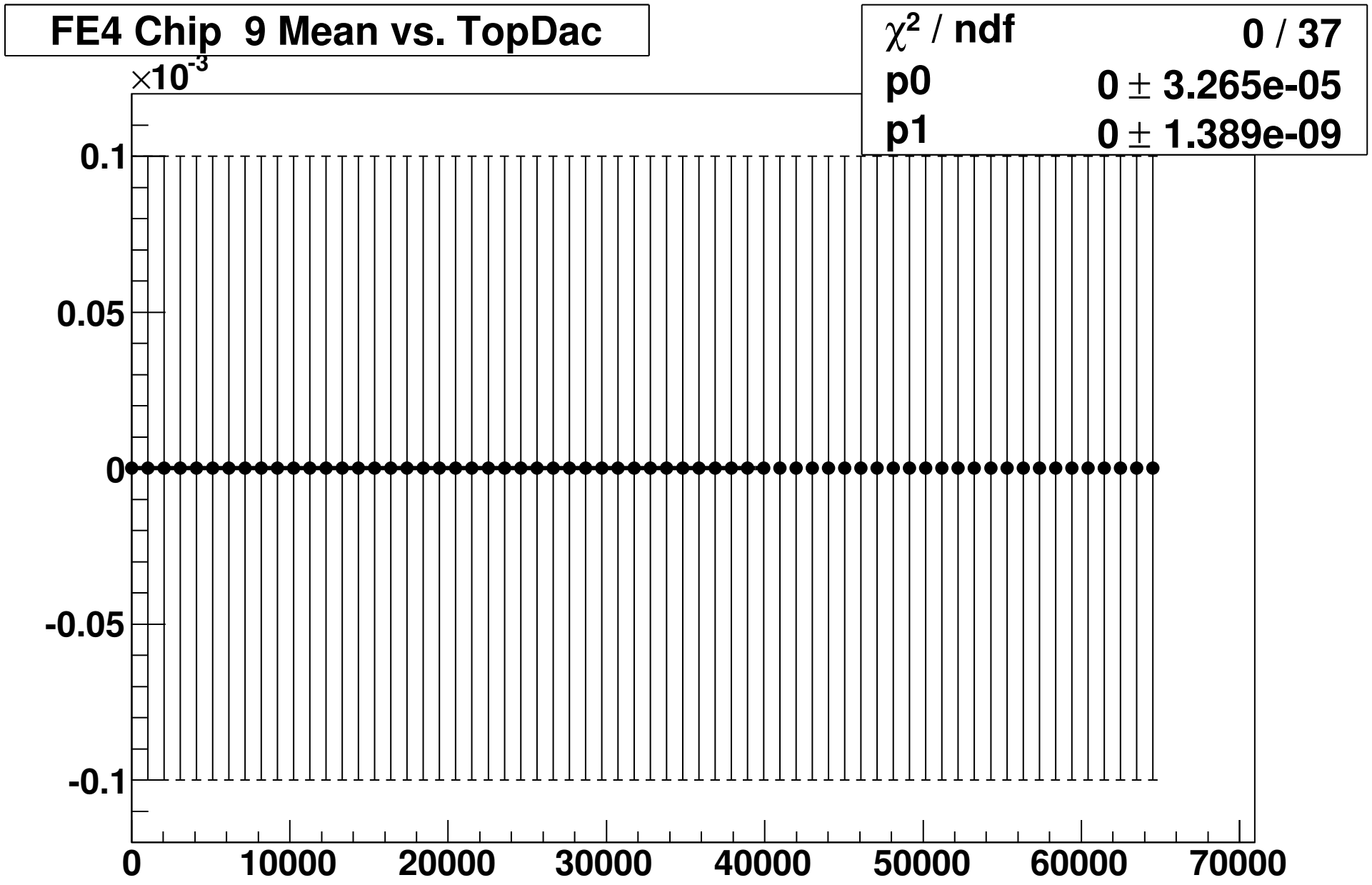

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
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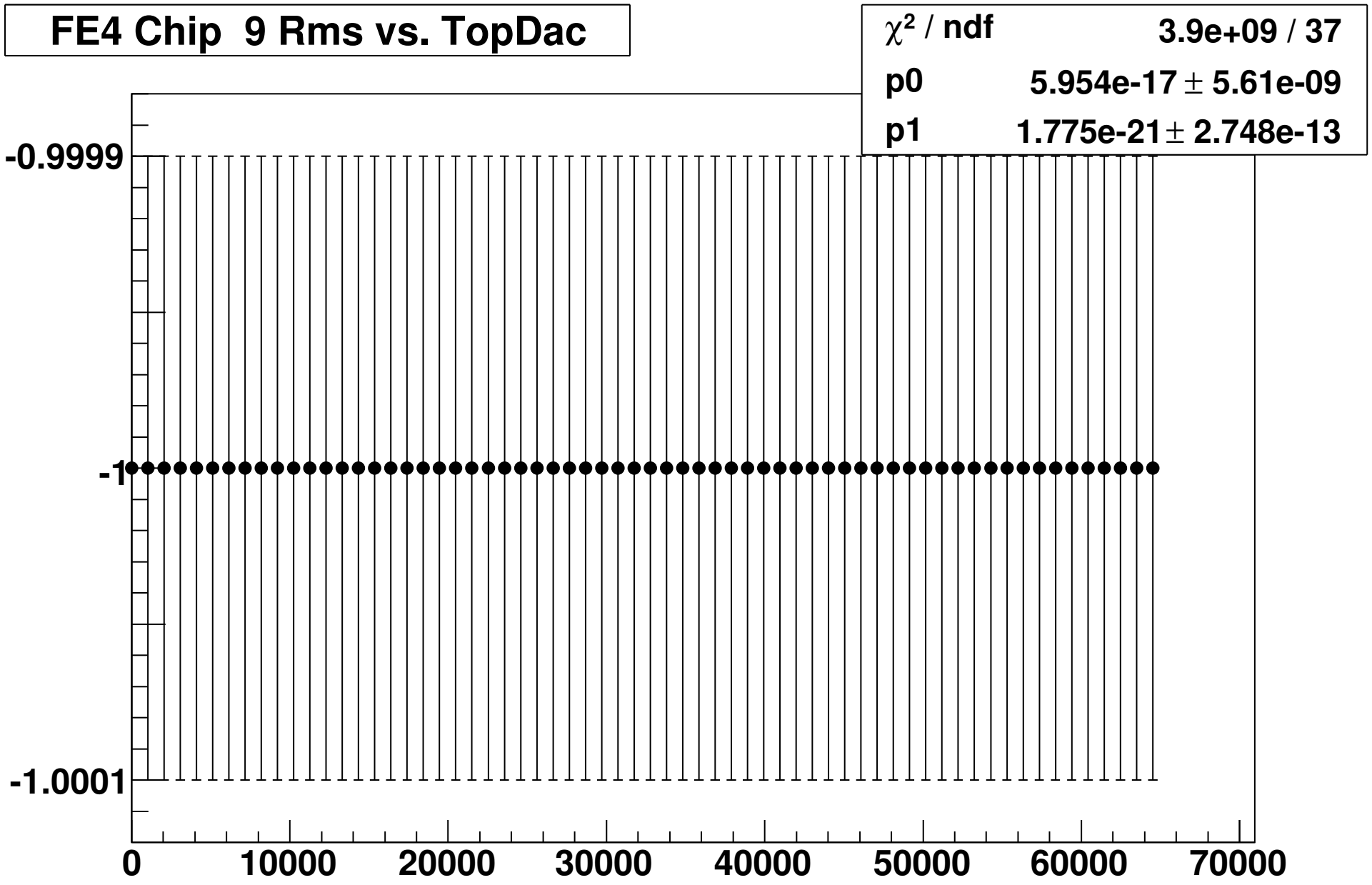
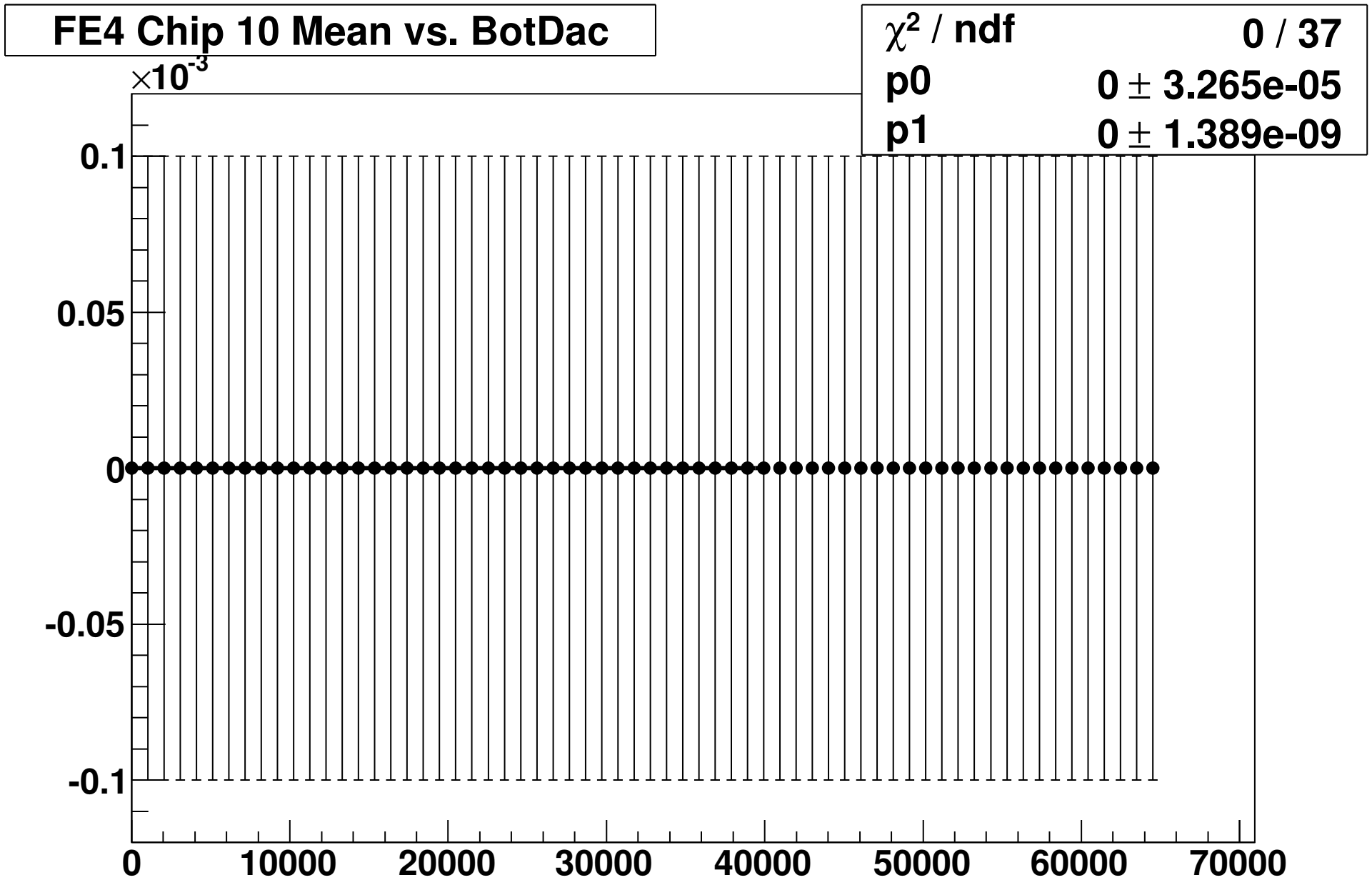
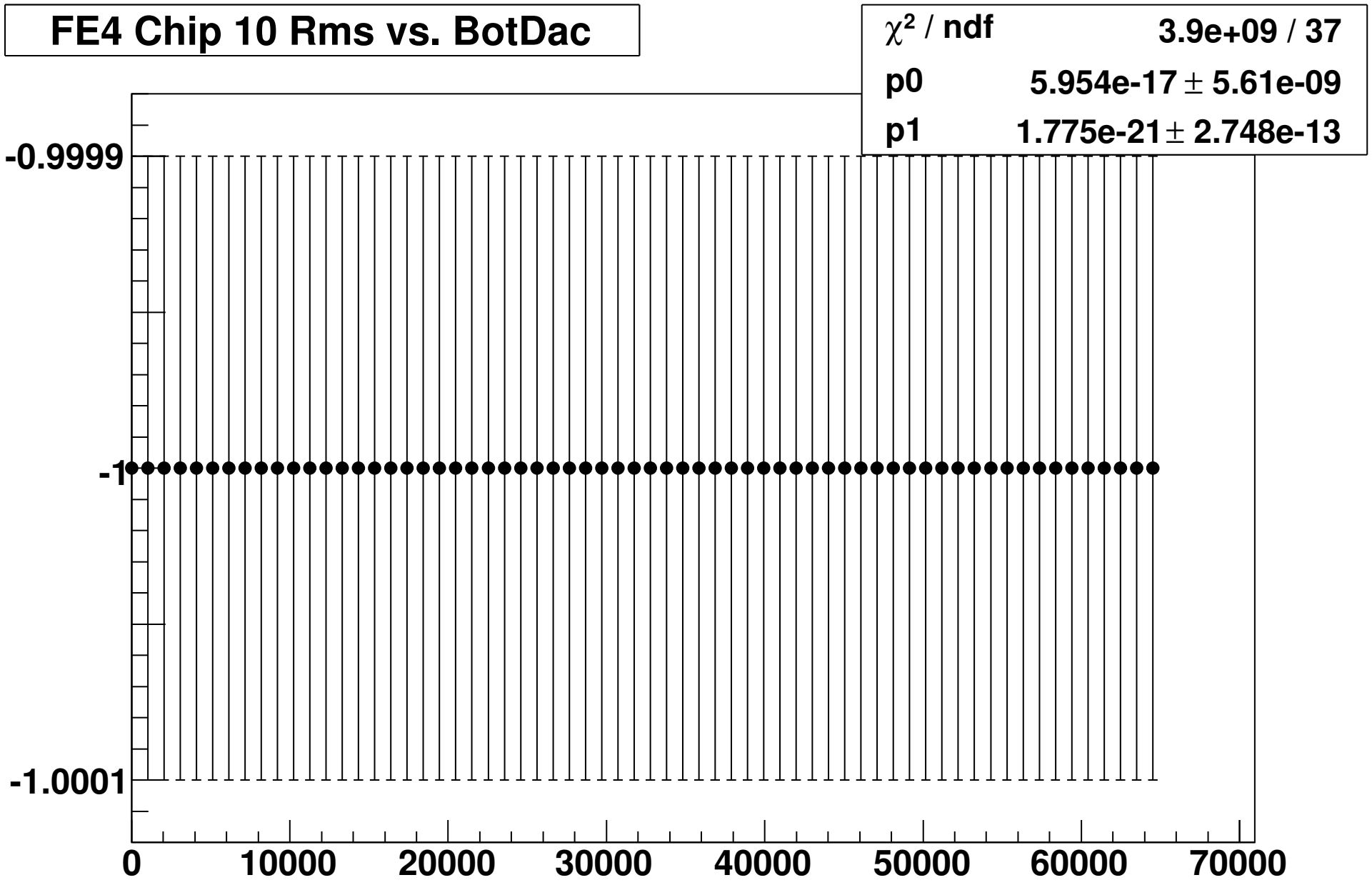
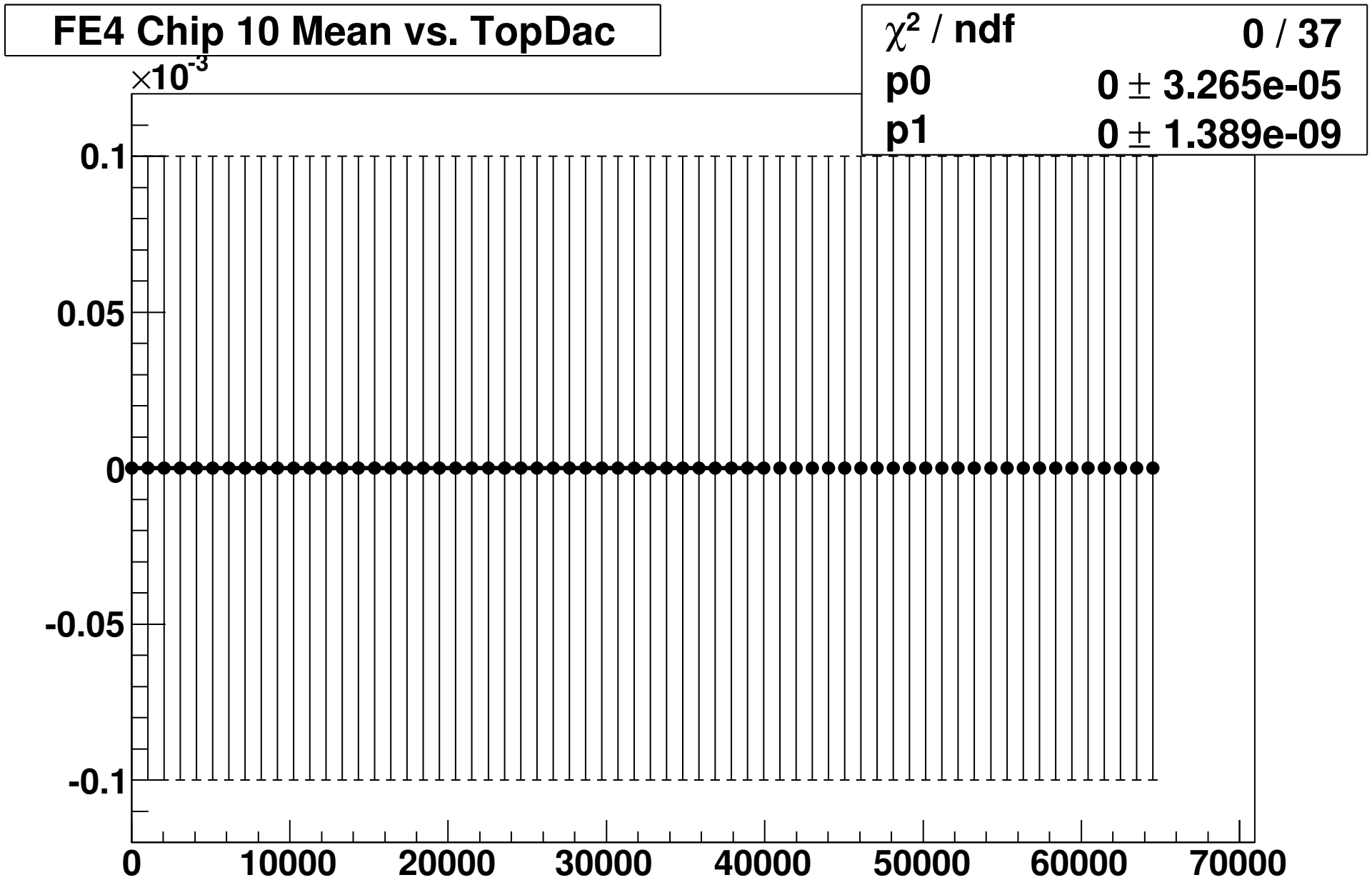
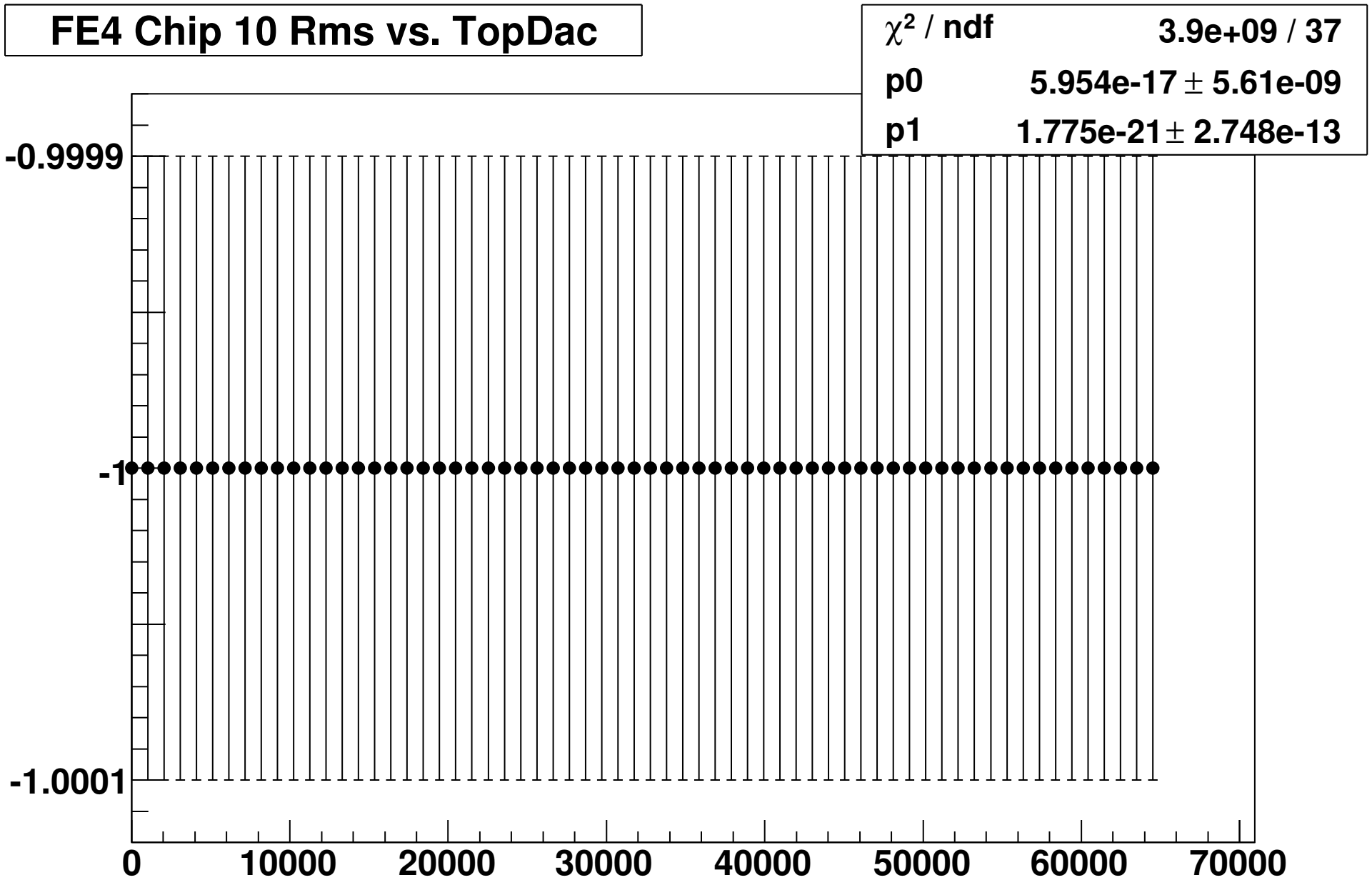
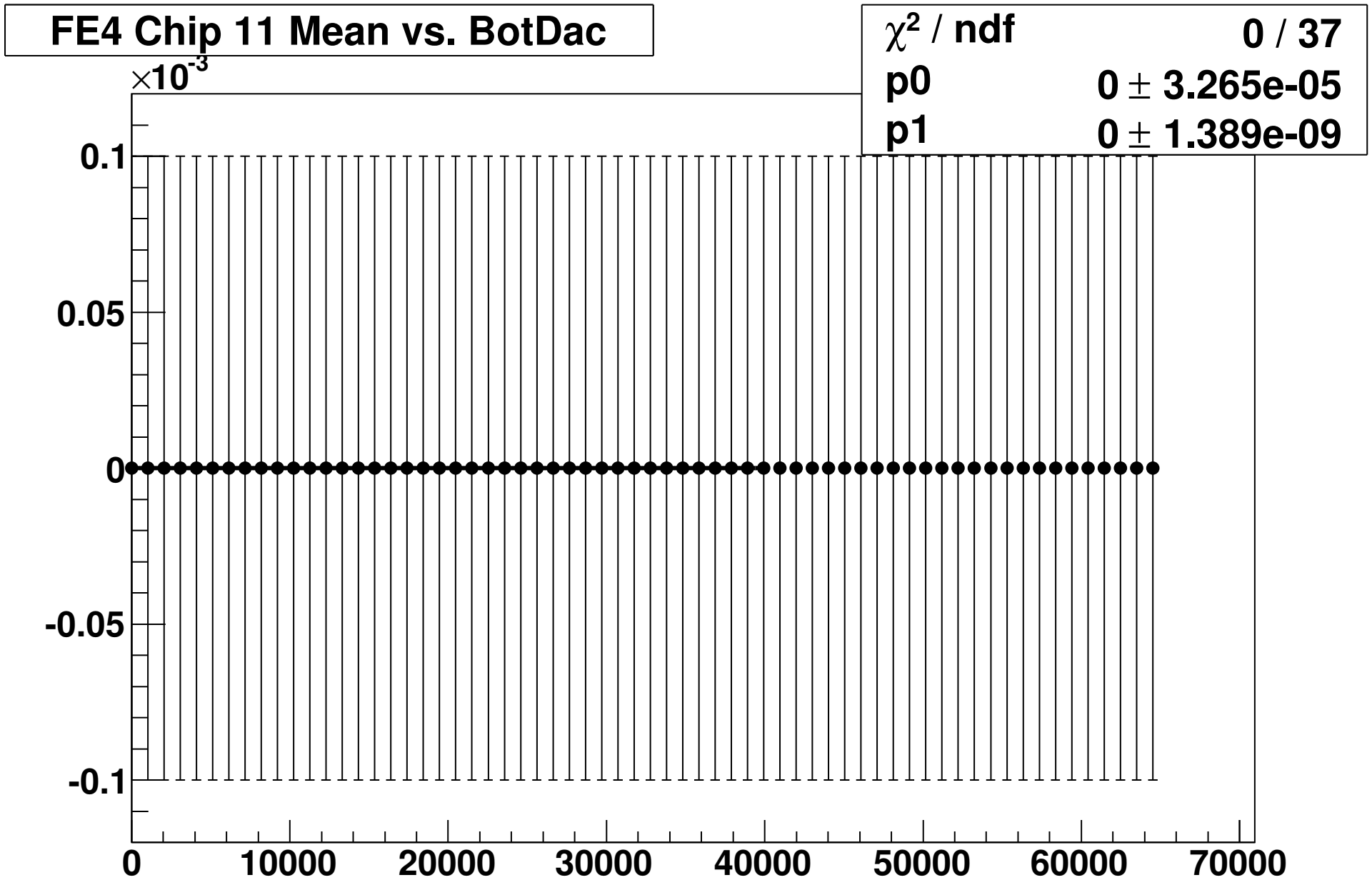

FE4 Chip 9 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

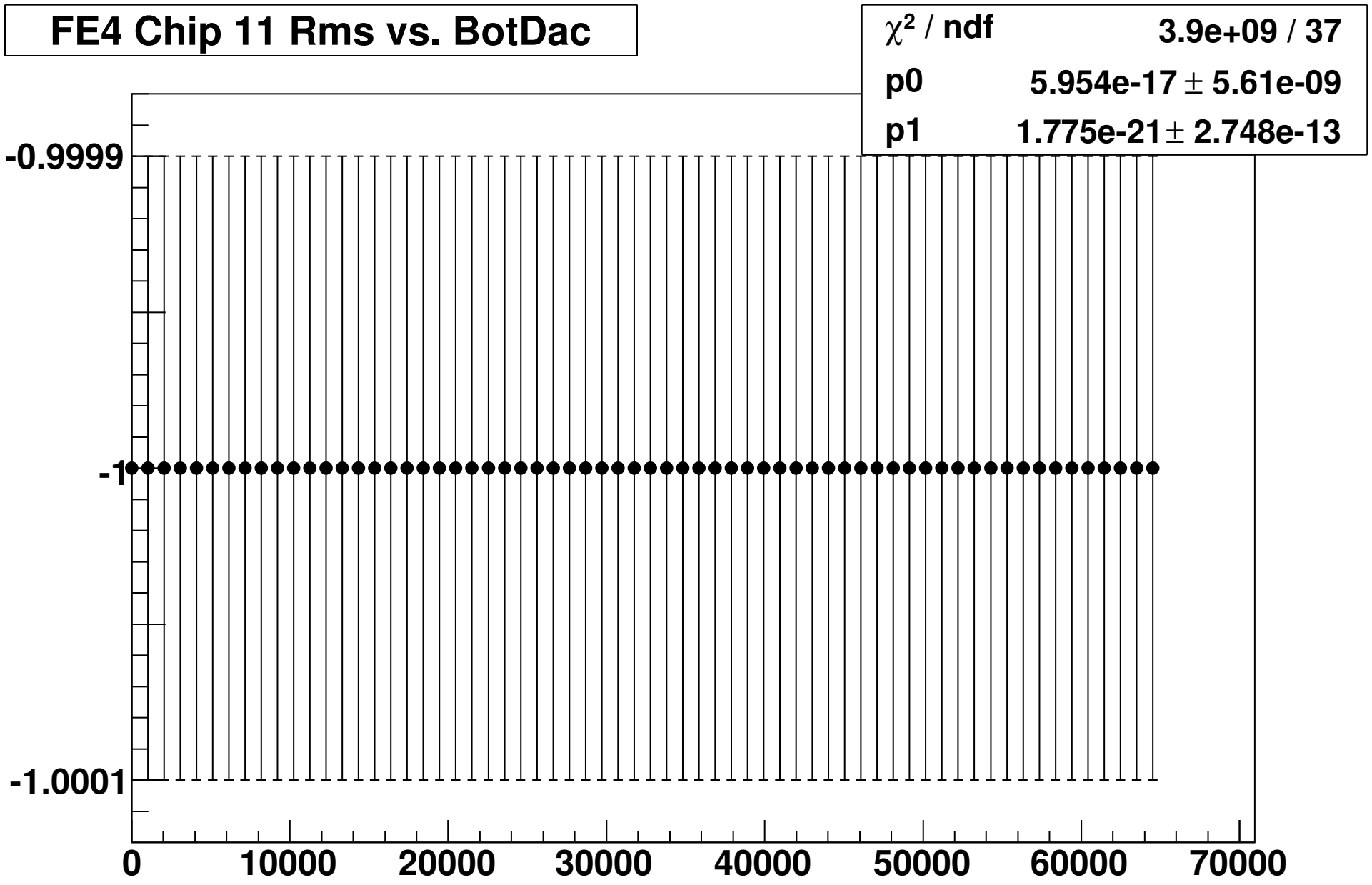

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

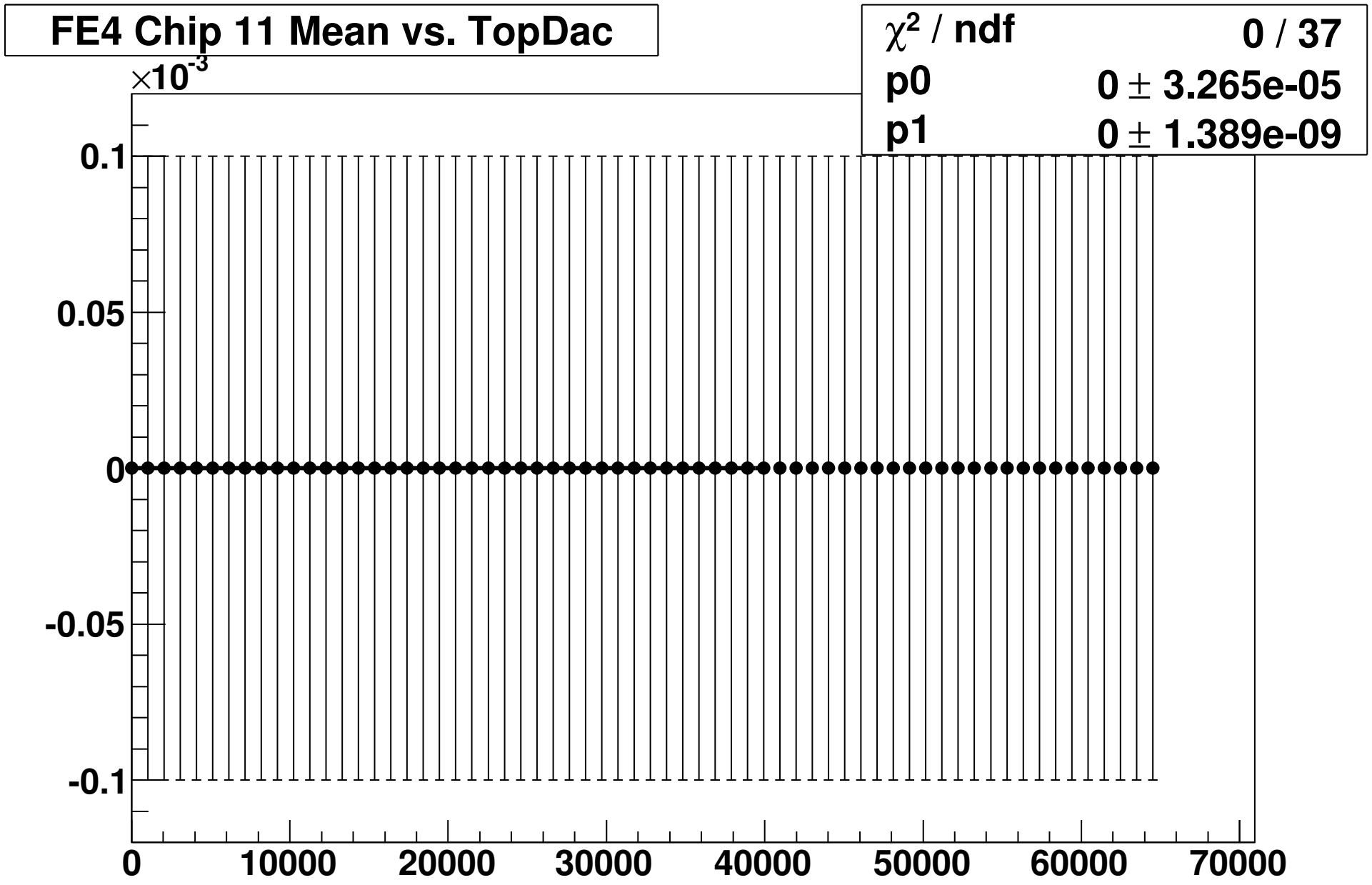

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

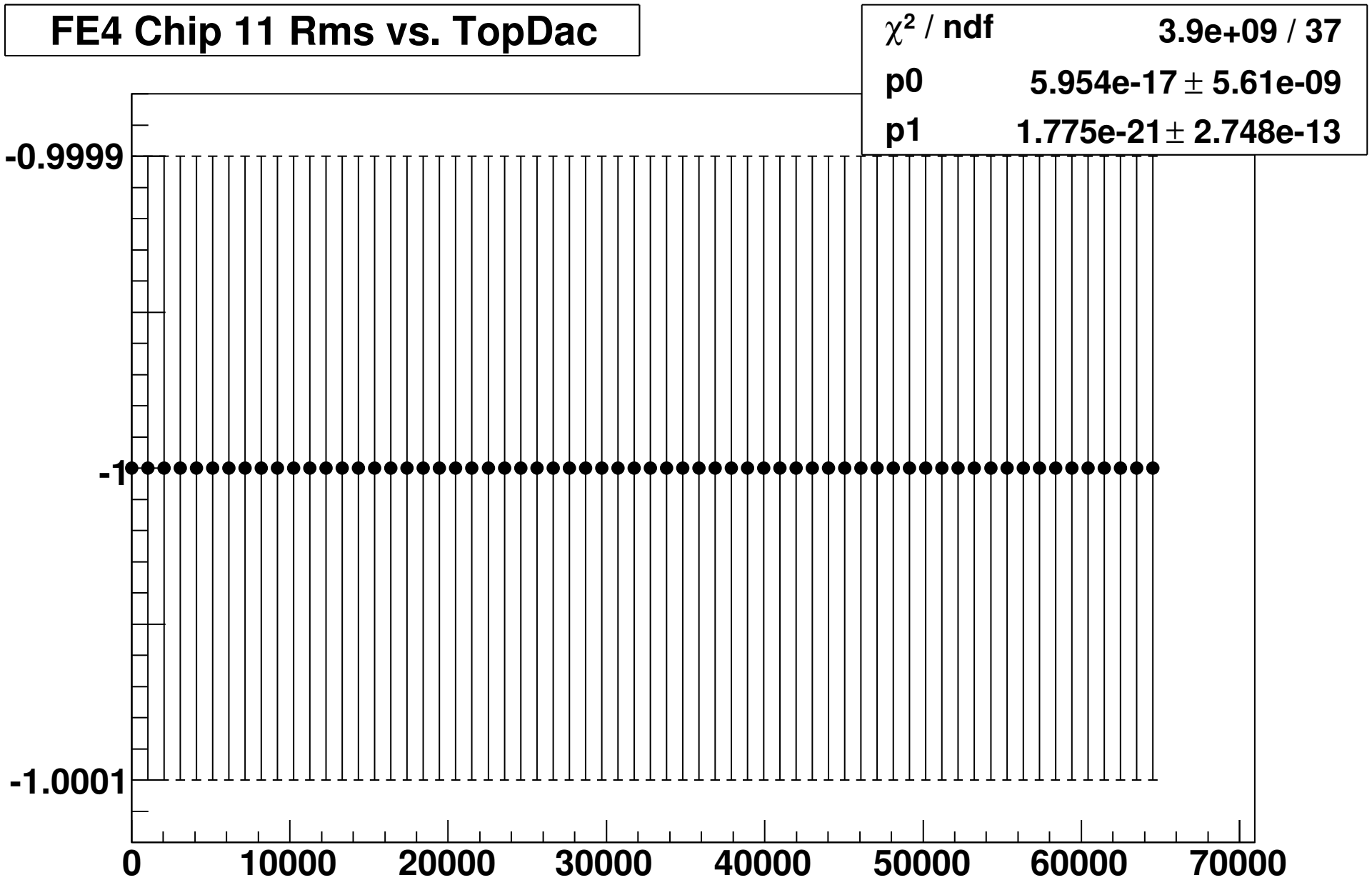

FE4 Chip 10 Mean vs. TopDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

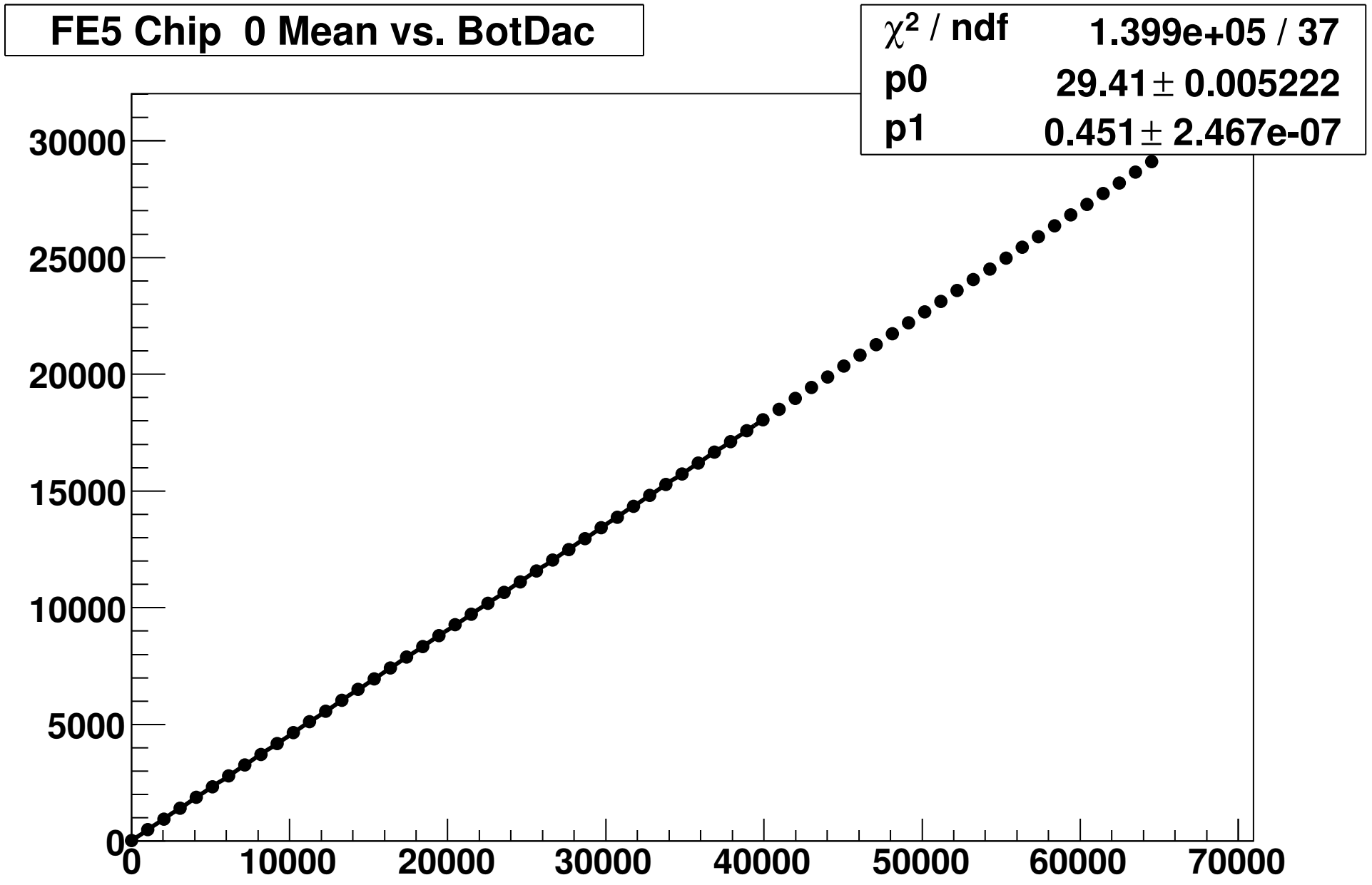

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

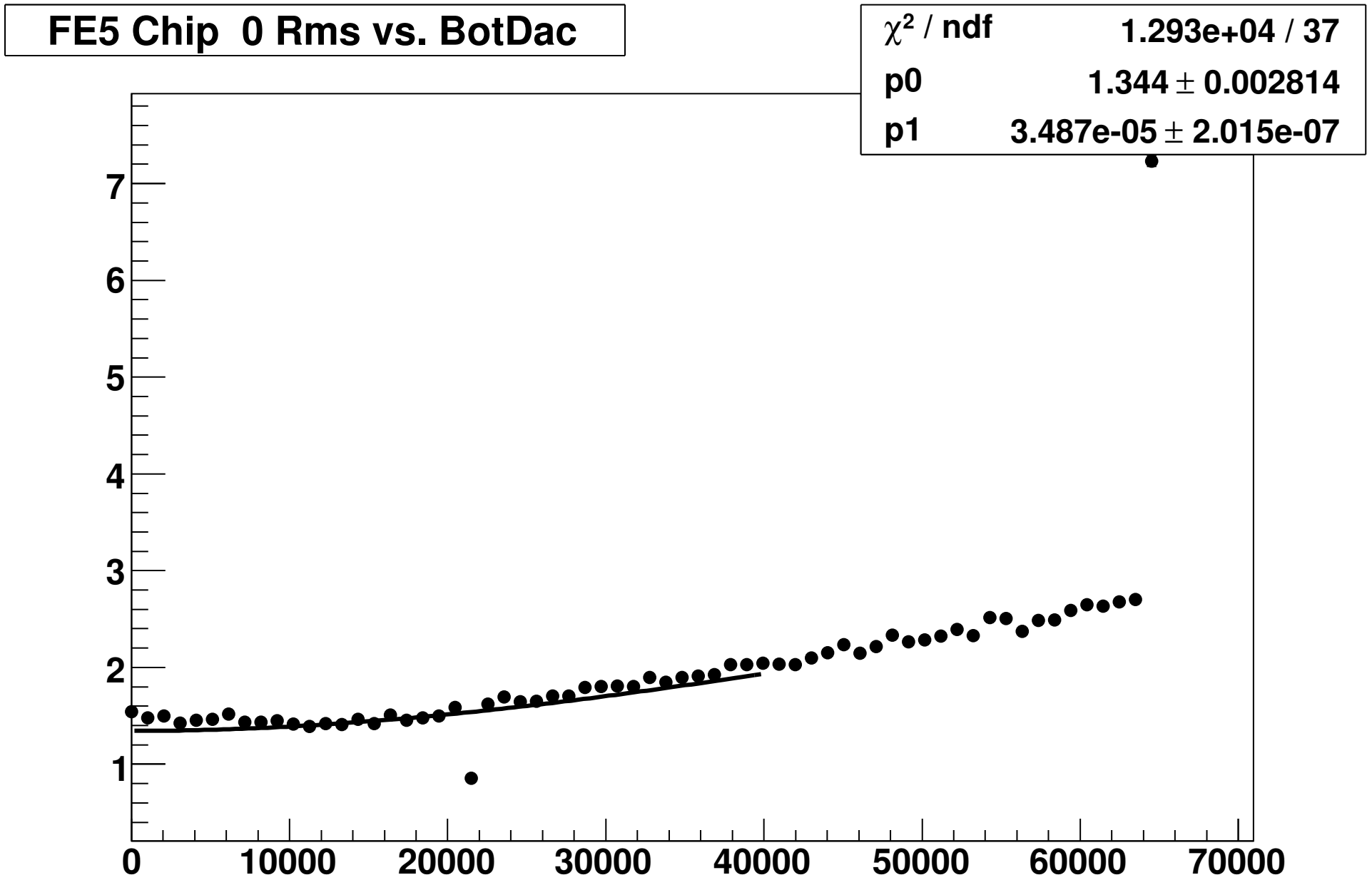

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

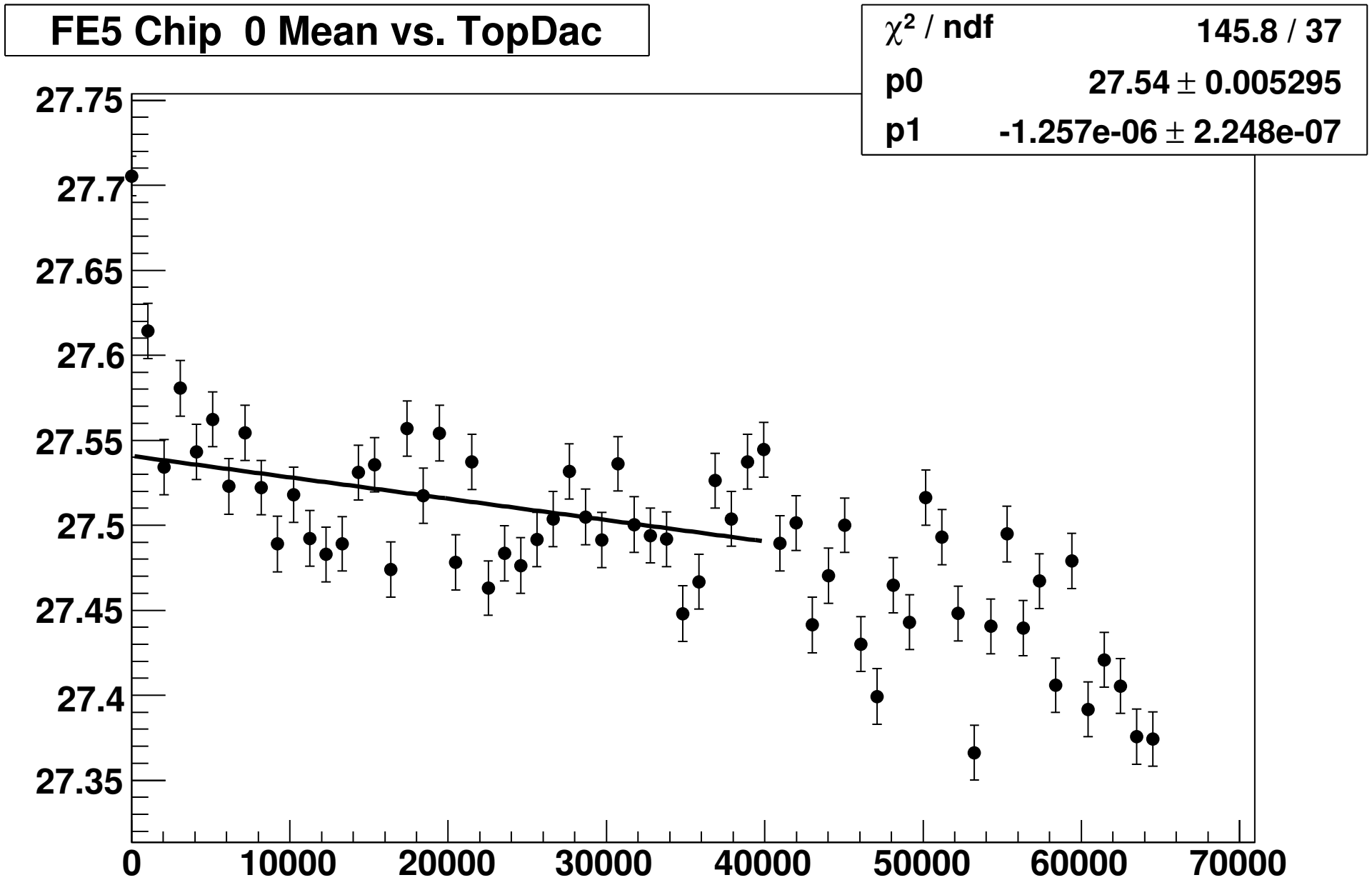

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

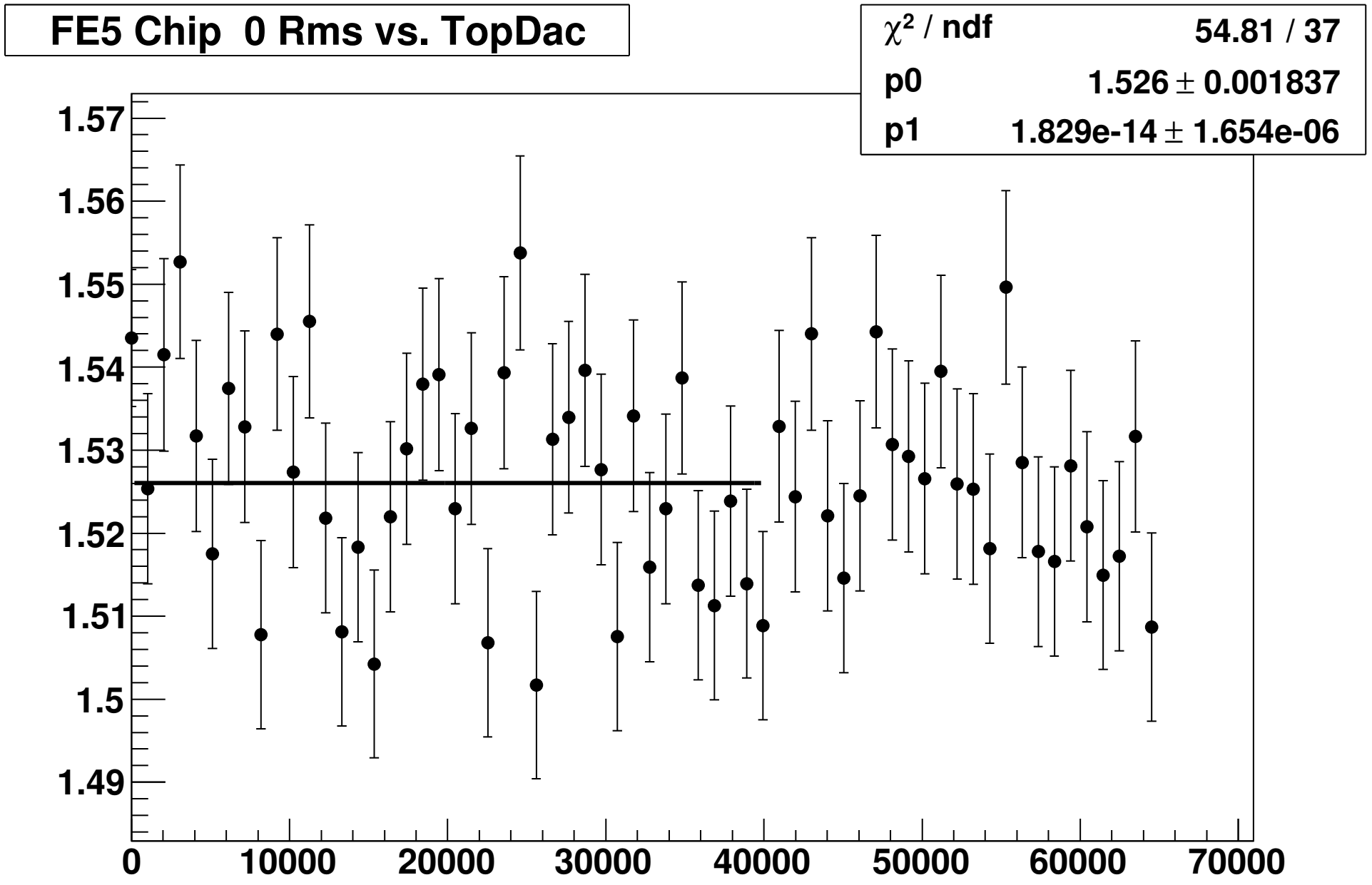

FE4 Chip 11 Mean vs. TopDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

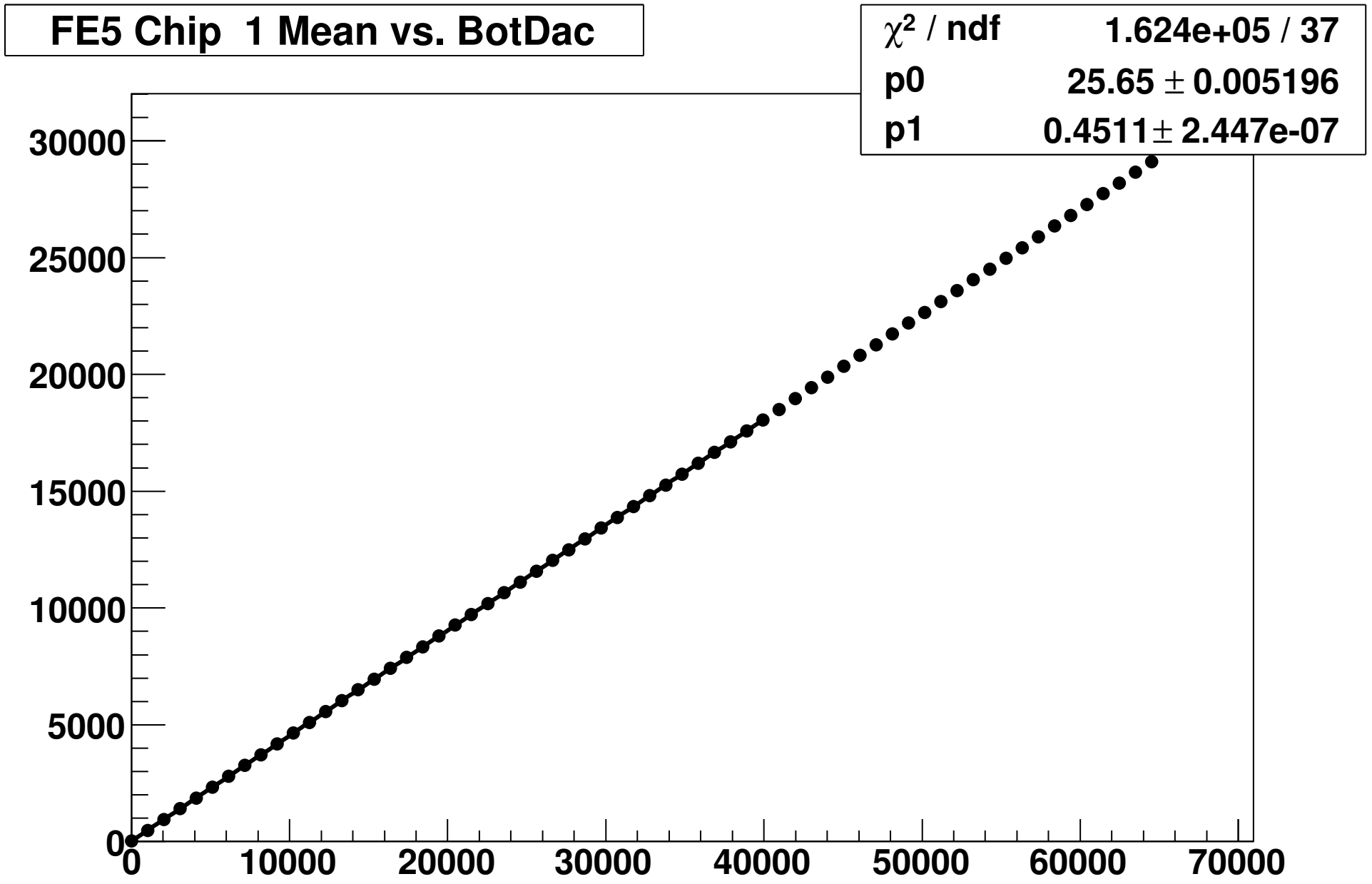

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

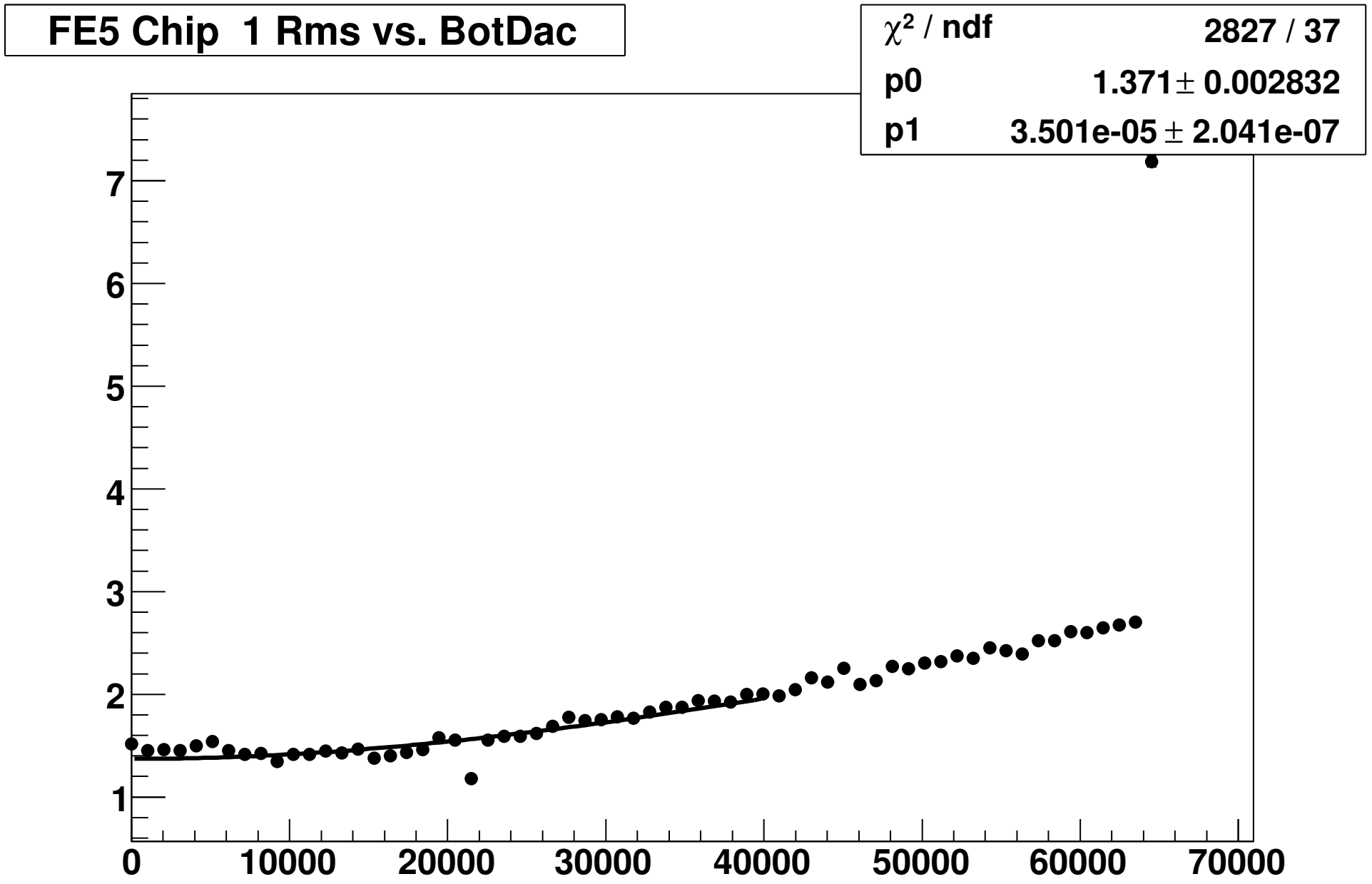

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.399e+05 / 37
p0 29.41 ± 0.005222
p1 0.451 ± 2.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

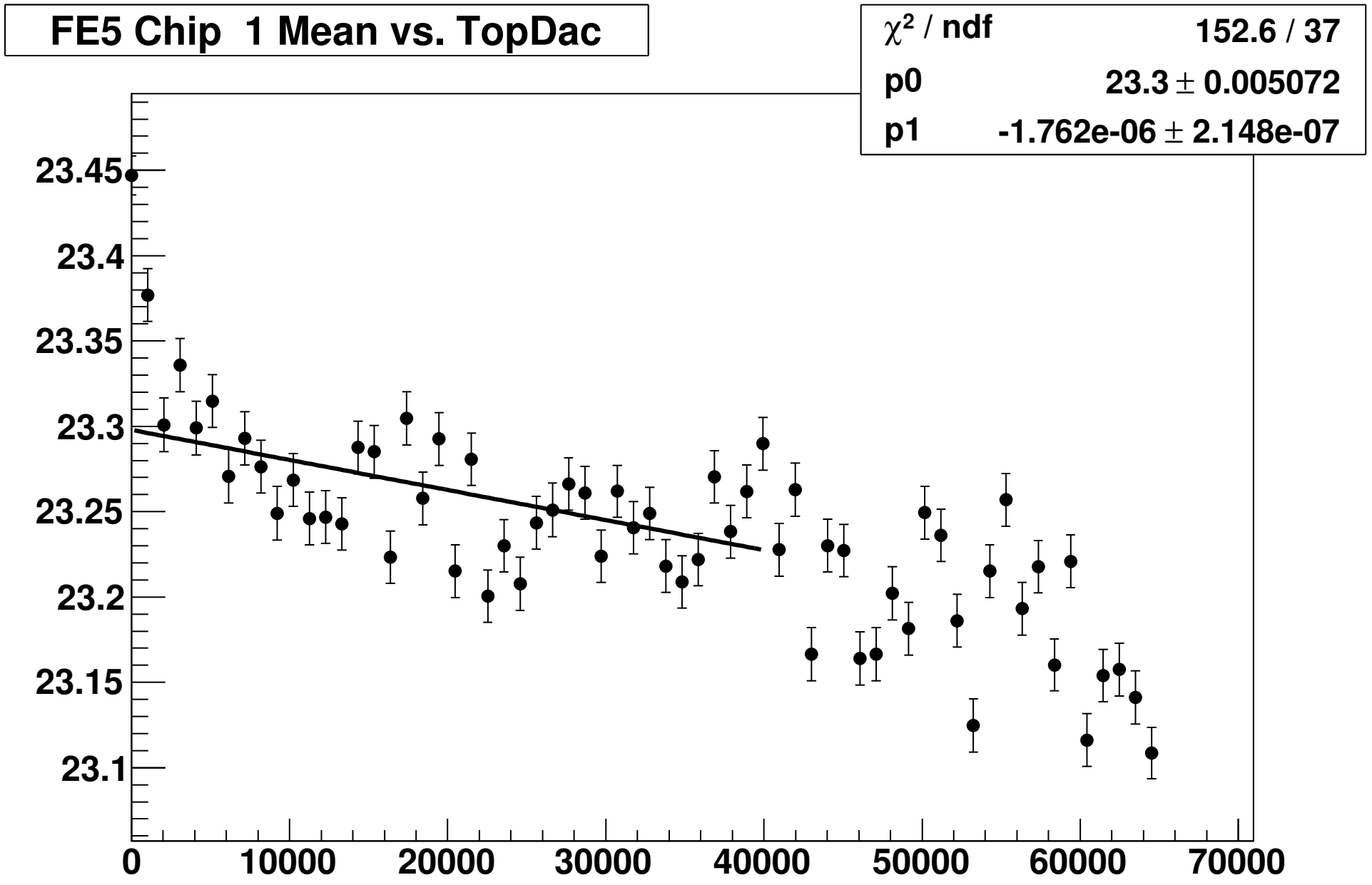

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1.293e+04 / 37
p0 1.344 ± 0.002814
p1 3.487e-05 ± 2.015e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

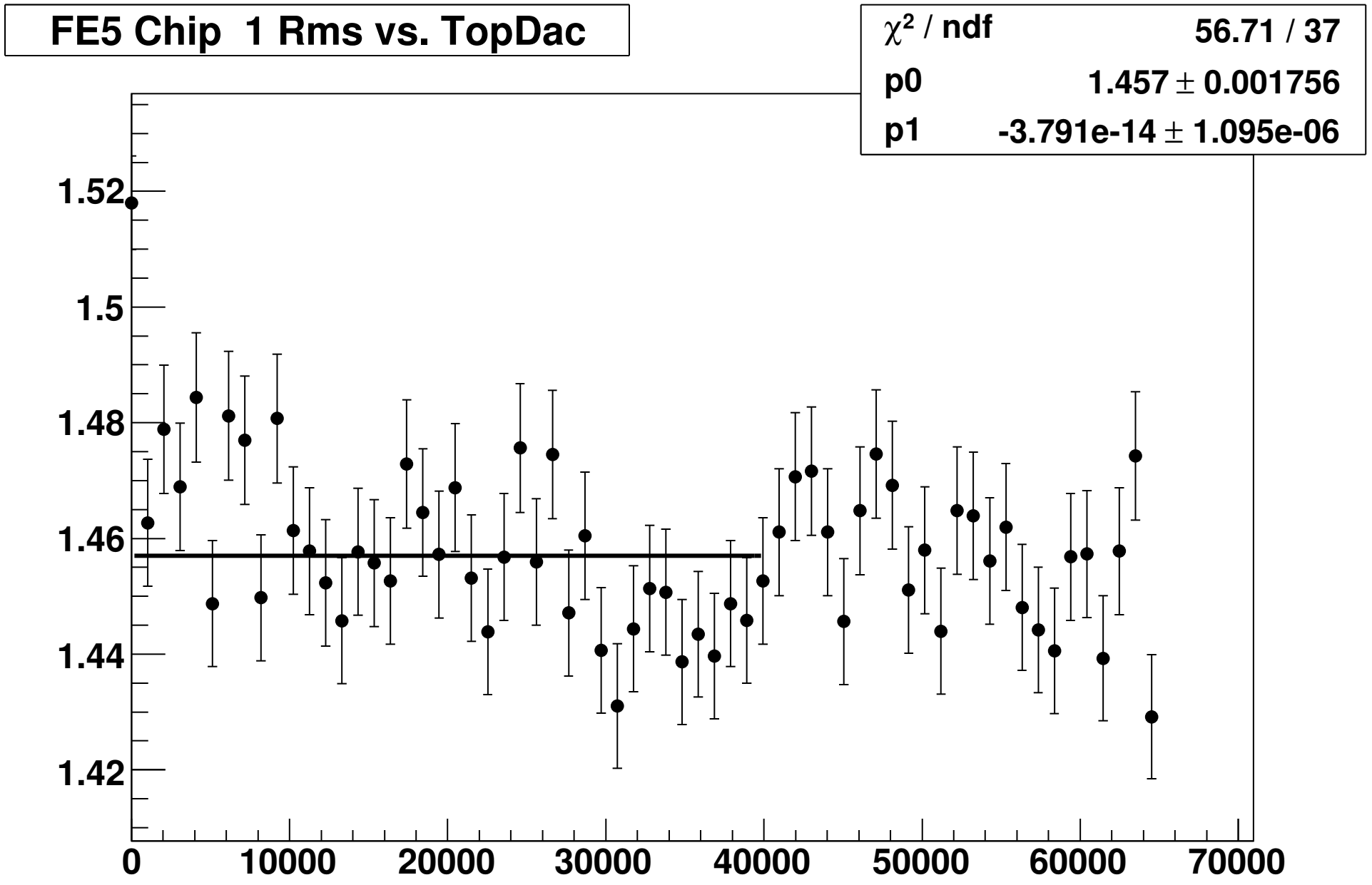

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 145.8 / 37
p0 27.54 ± 0.005295
p1 -1.257e-06 ± 2.248e-07
27.75
27.7
27.65
27.6
27.55
27.5
27.45
27.4
27.35
0
10000
20000
30000
40000
50000
60000
70000

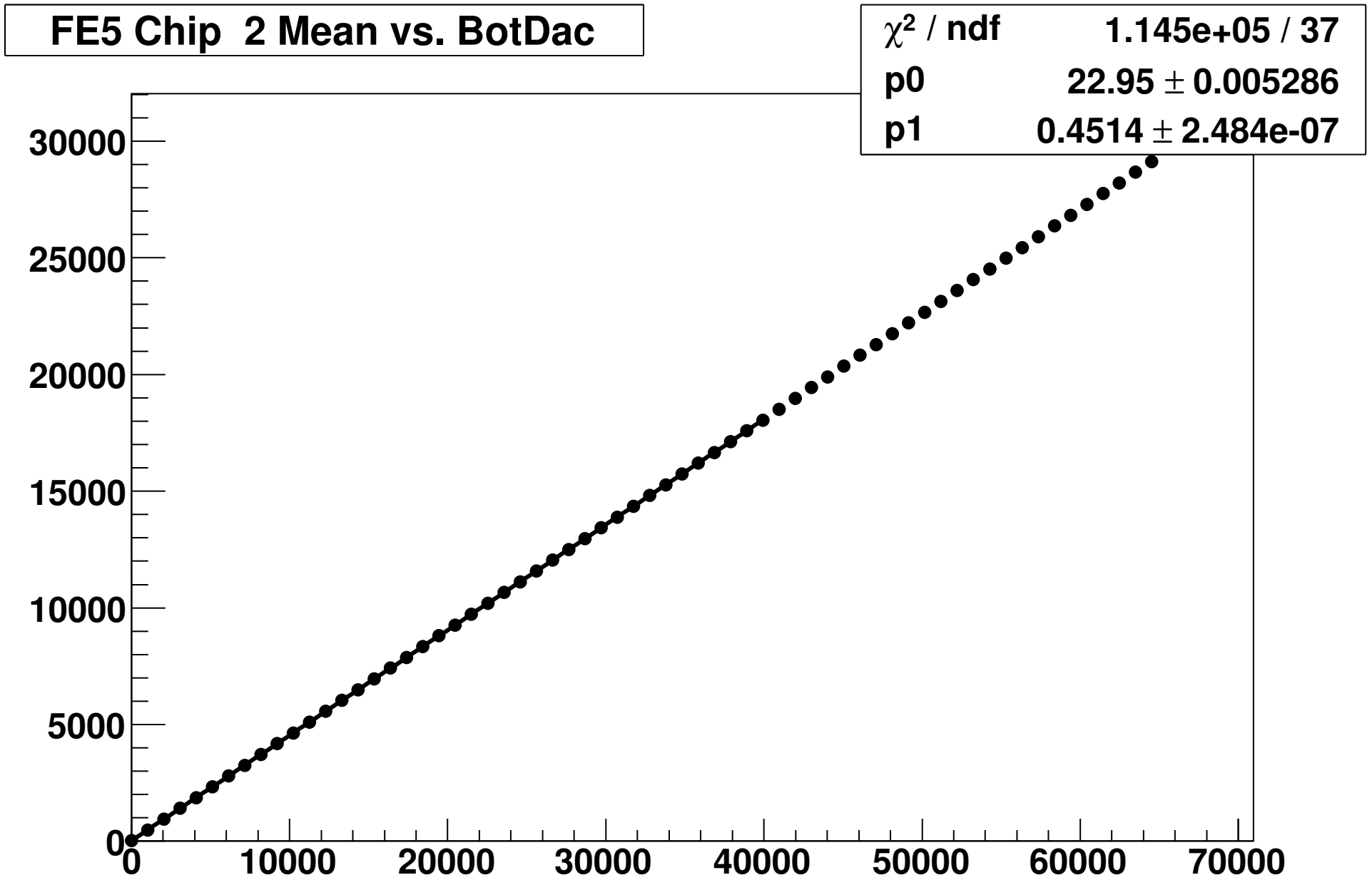

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 54.81 / 37
p0 1.526 ± 0.001837
p1 1.829e-14 ± 1.654e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

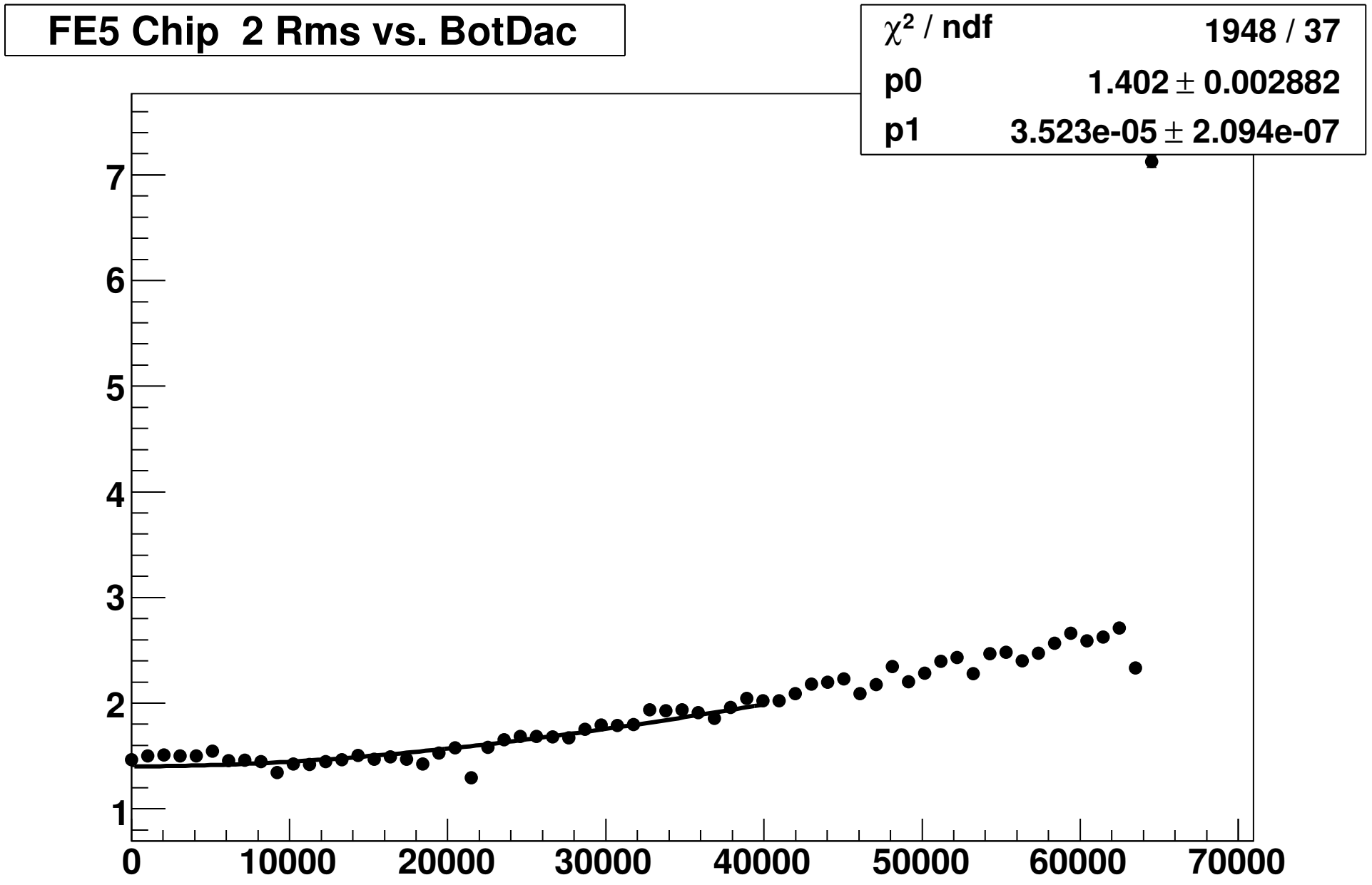

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.624e+05 / 37
p0 25.65 ± 0.005196
p1 0.4511 ± 2.447e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

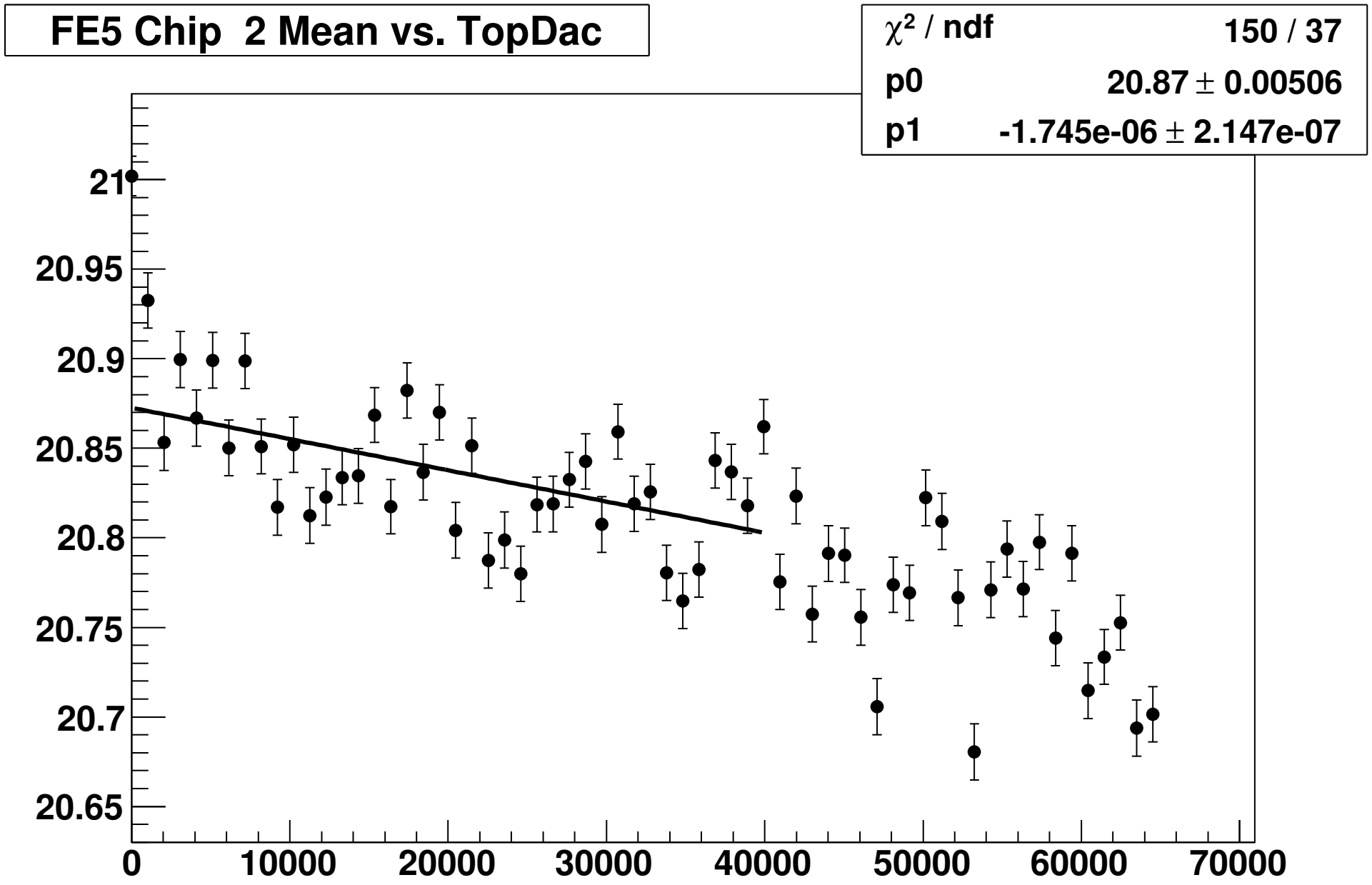

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 2827 / 37
p0 1.371 ± 0.002832
p1 3.501e-05 ± 2.041e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

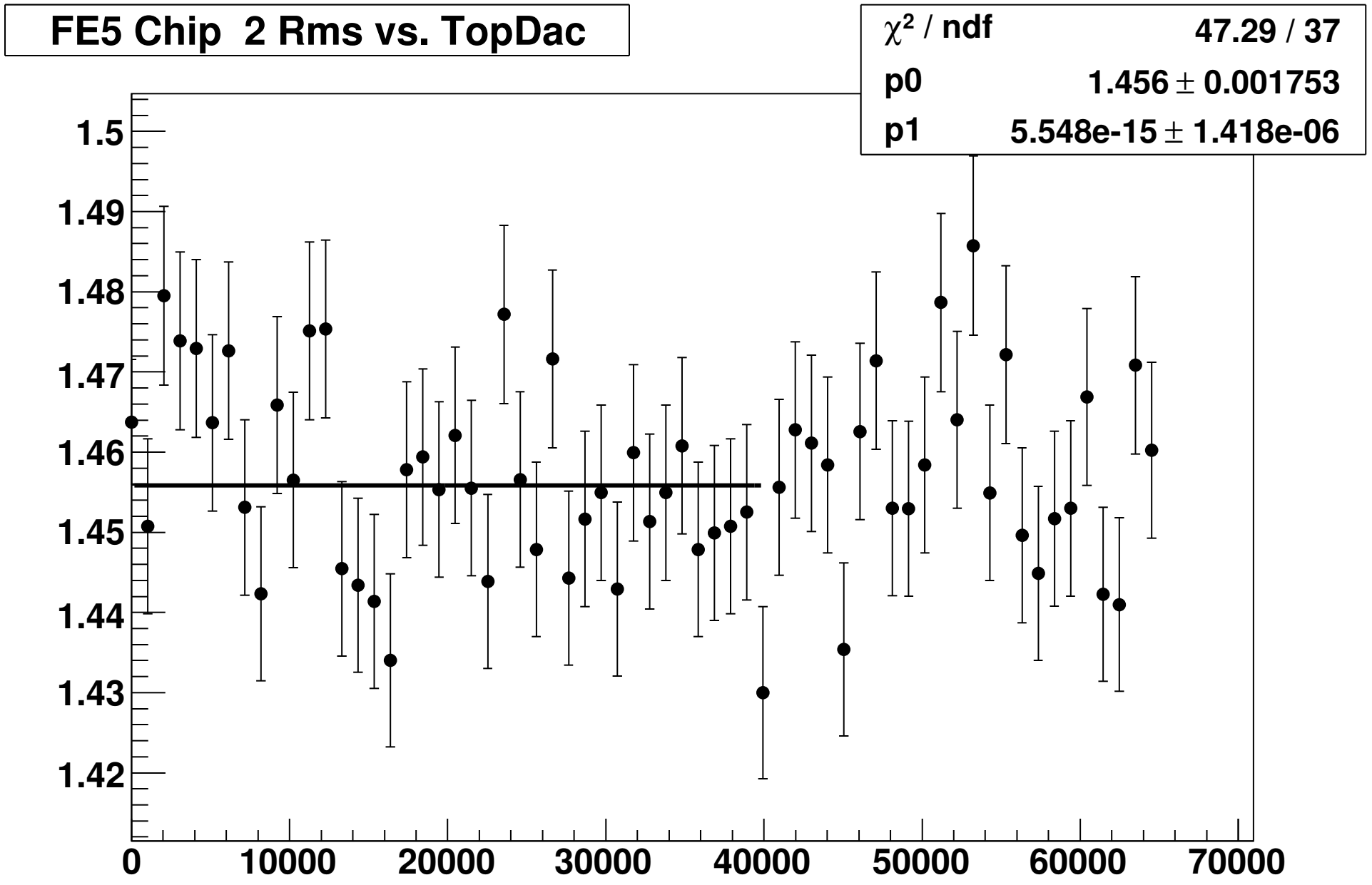

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 152.6 / 37
p0 23.3 ± 0.005072
p1 -1.762e-06 ± 2.148e-07
23.45
23.4
23.35
23.3
23.25
23.2
23.15
23.1
0
10000
20000
30000
40000
50000
60000
70000

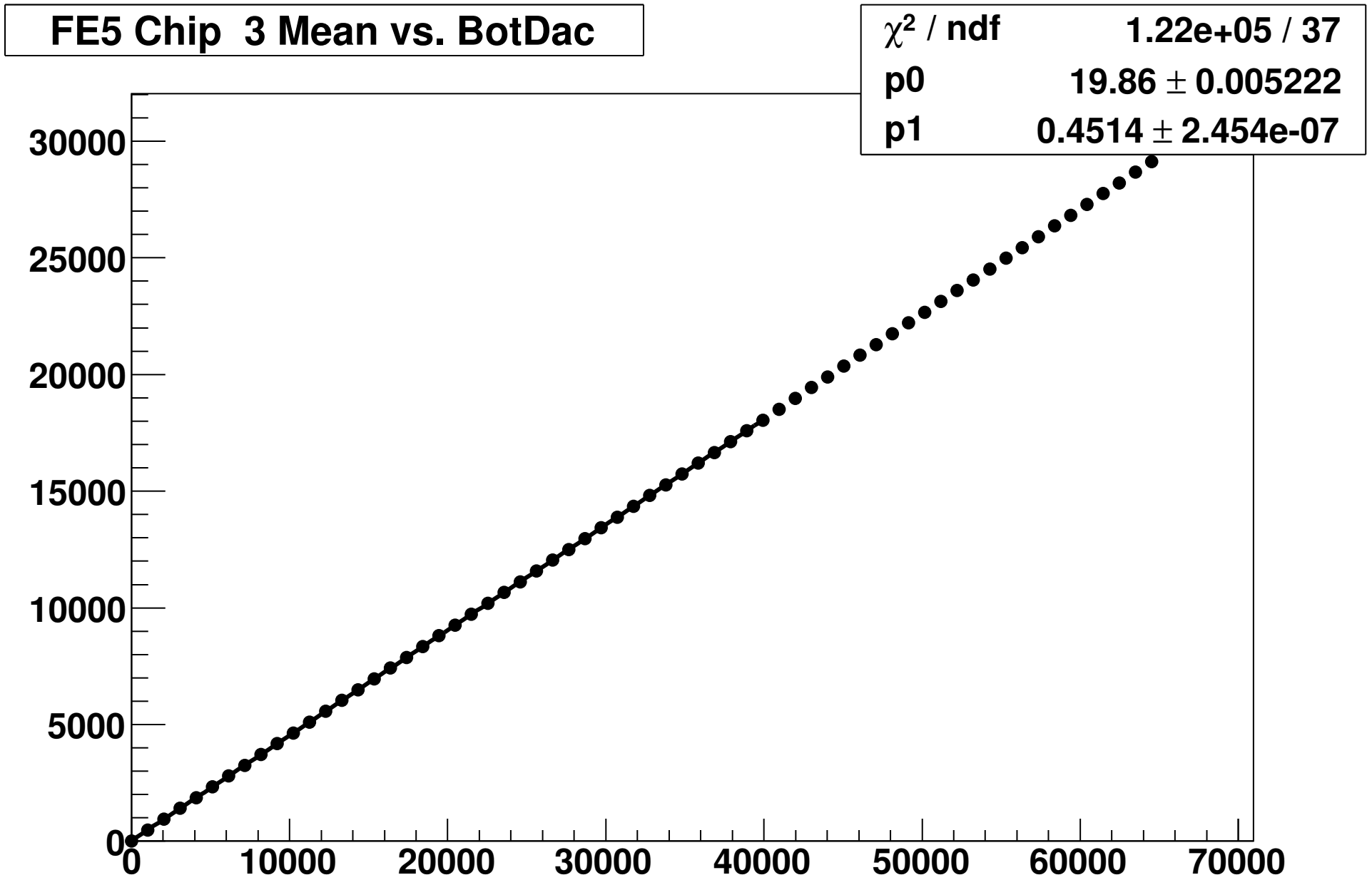

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 56.71 / 37
p0 1.457 ± 0.001756
p1 -3.791e-14 ± 1.095e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

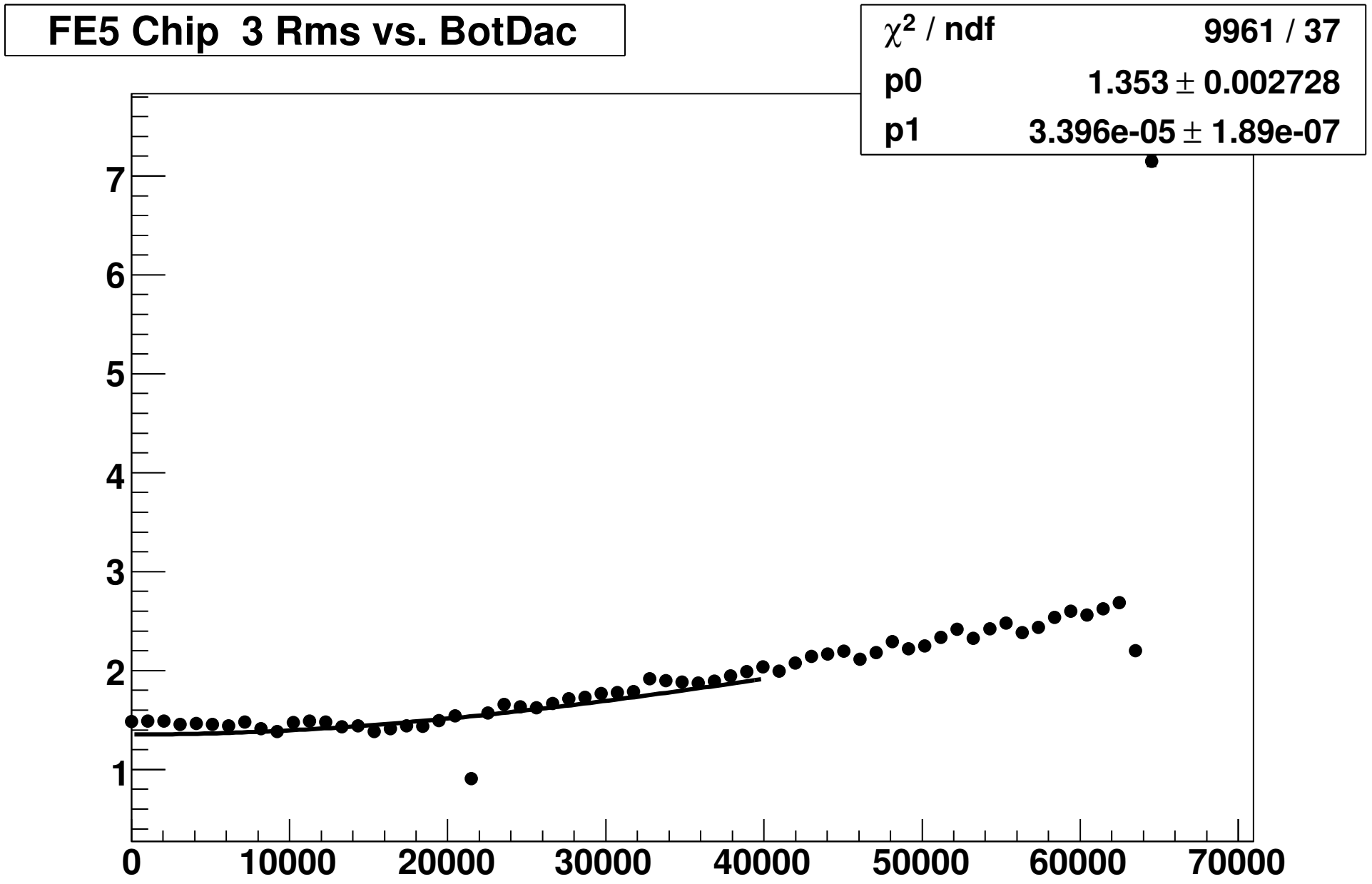

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.145e+05 / 37
p0 22.95 ± 0.005286
p1 0.4514 ± 2.484e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

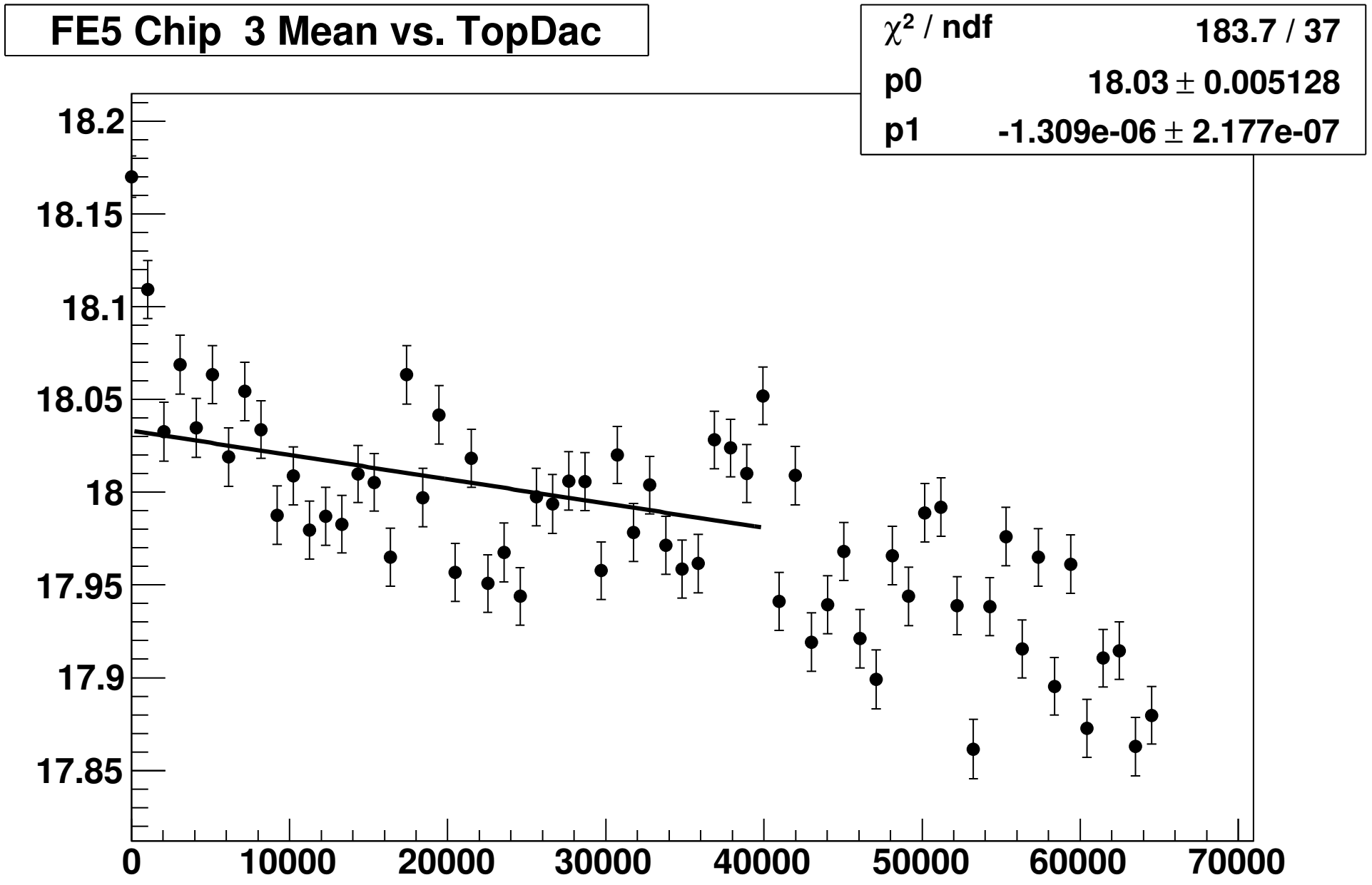

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1948 / 37
p0 1.402 ± 0.002882
p1 3.523e-05 ± 2.094e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

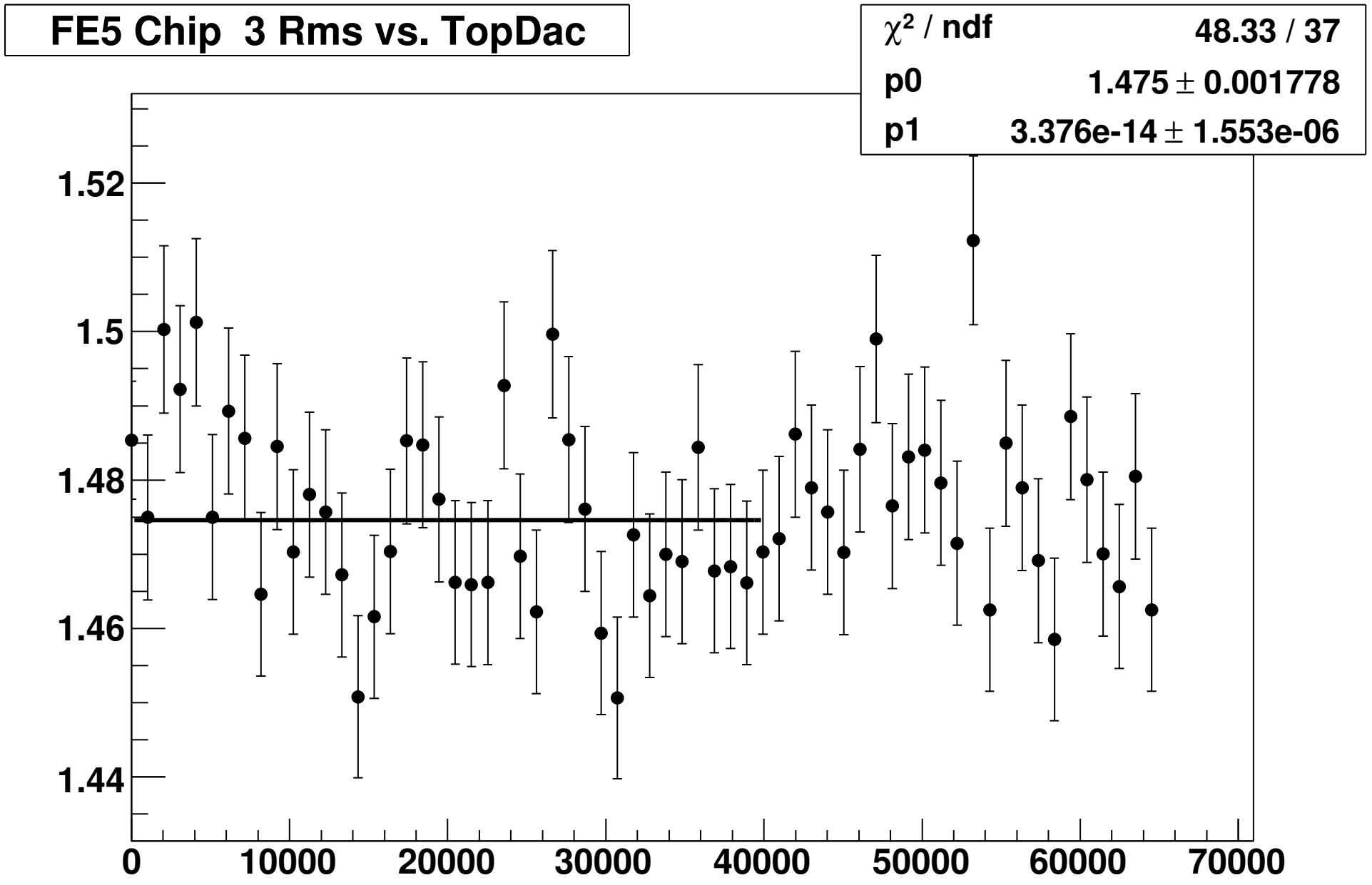

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 150 / 37
p0 20.87 ± 0.00506
p1 -1.745e-06 ± 2.147e-07
21
20.95
20.9
20.85
20.8
20.75
20.7
20.65
0
10000
20000
30000
40000
50000
60000
70000

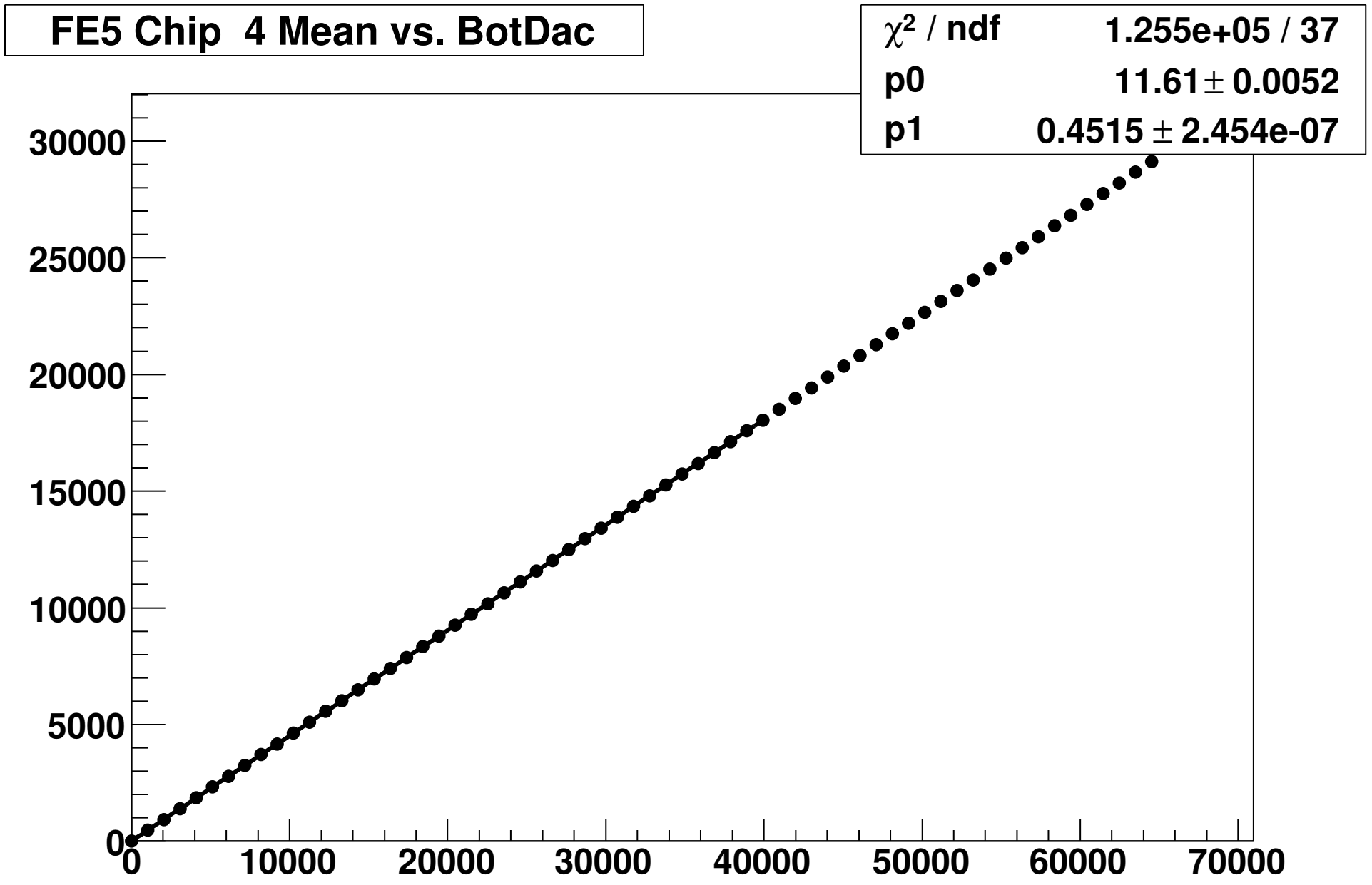

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 47.29 / 37
p0 1.456 ± 0.001753
p1 5.548e-15 ± 1.418e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

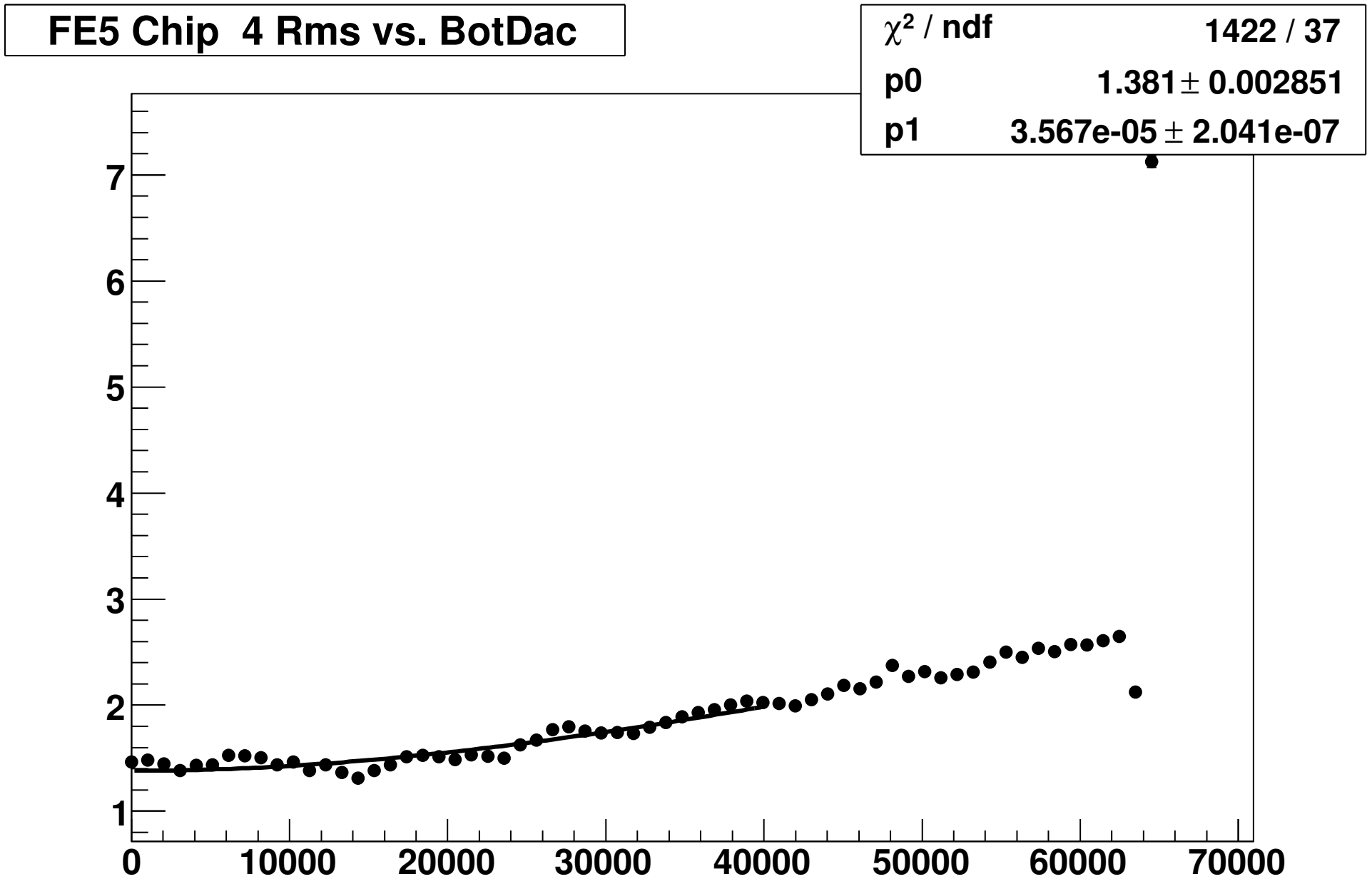

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.22e+05 / 37
p0 19.86 ± 0.005222
p1 0.4514 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

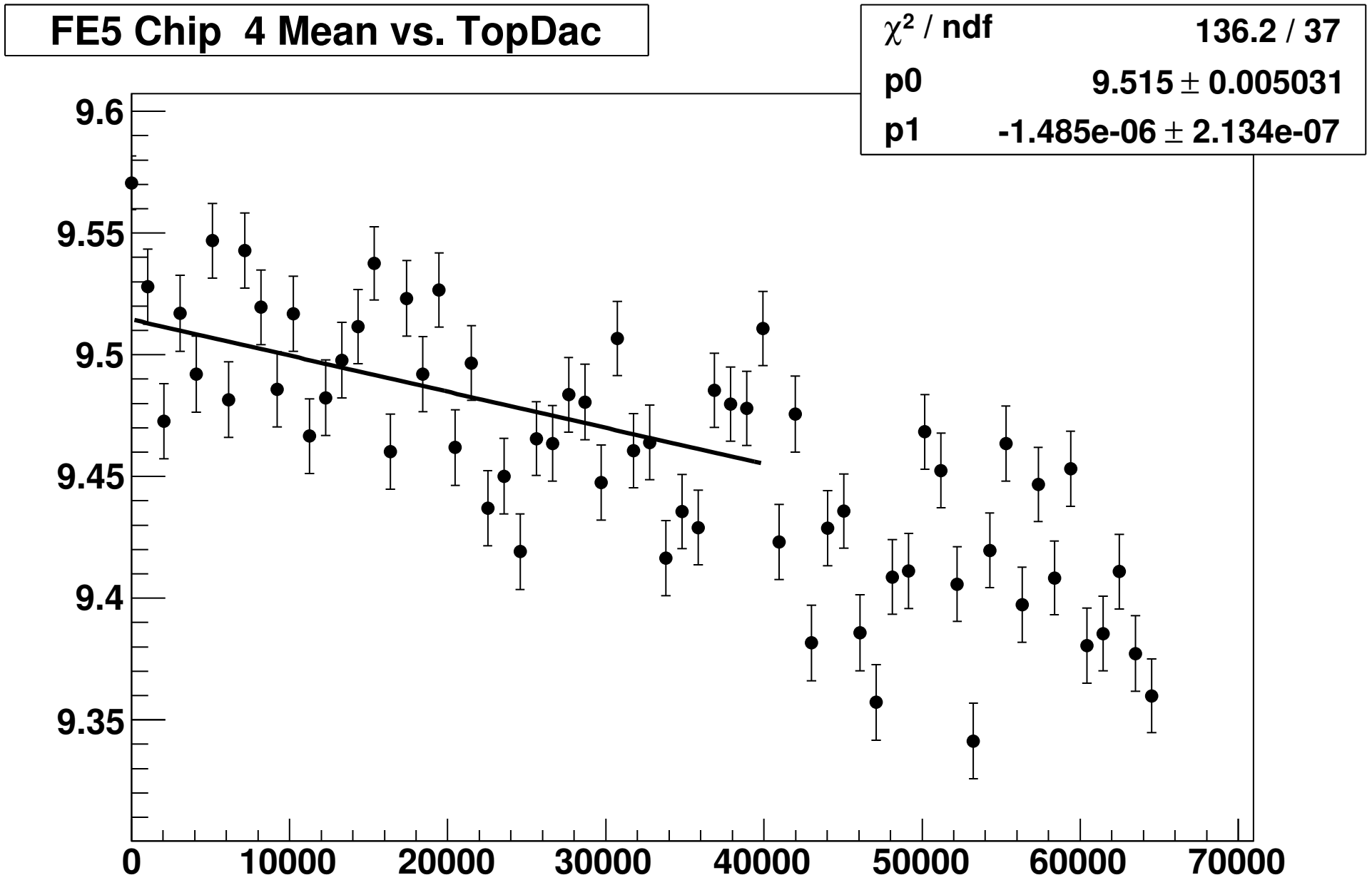

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 9961 / 37
p0 1.353 ± 0.002728
p1 3.396e-05 ± 1.89e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 183.7 / 37
p0 18.03 ± 0.005128
p1 -1.309e-06 ± 2.177e-07
18.2
18.15
18.1
18.05
18
17.95
17.9
17.85
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 48.33 / 37
p0 1.475 ± 0.001778
p1 3.376e-14 ± 1.553e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.255e+05 / 37
p0 11.61 ± 0.0052
p1 0.4515 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 1422 / 37
p0 1.381 ± 0.002851
p1 3.567e-05 ± 2.041e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 136.2 / 37
p0 9.515 ± 0.005031
p1 -1.485e-06 ± 2.134e-07
9.6
9.55
9.5
9.45
9.4
9.35
0
10000
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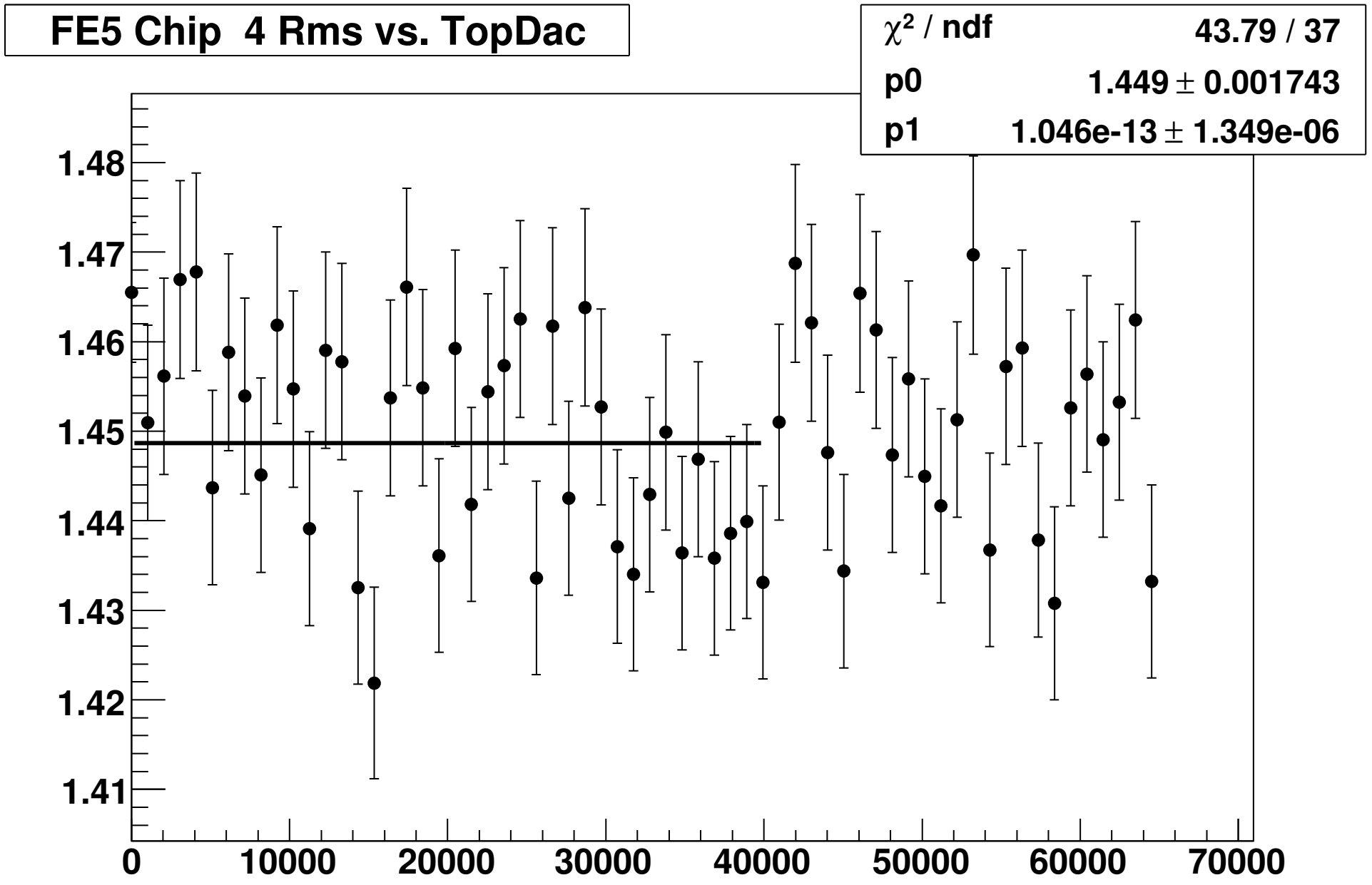
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 43.79 / 37
p0 1.449 ± 0.001743
p1 1.046e-13 ± 1.349e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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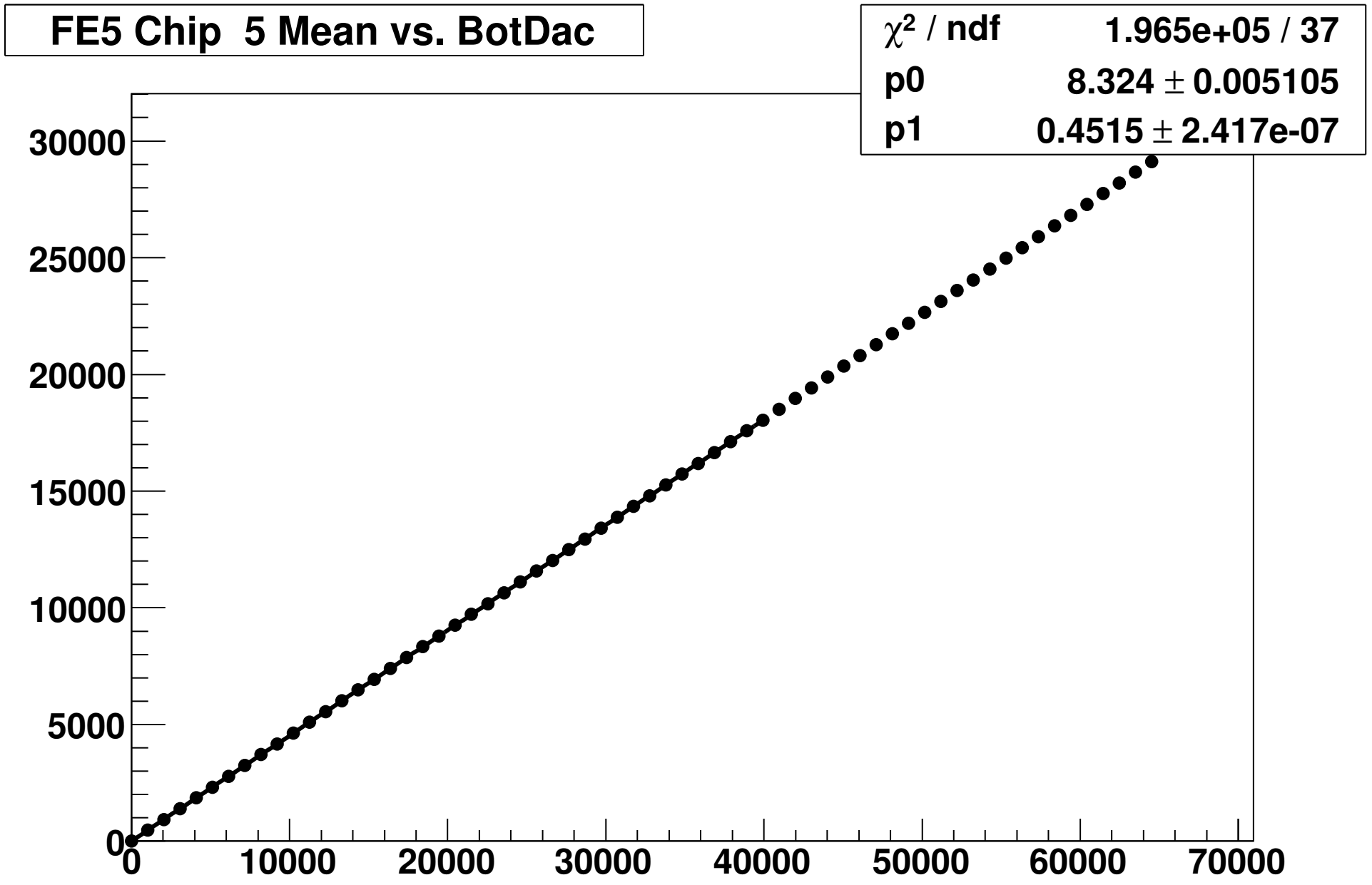
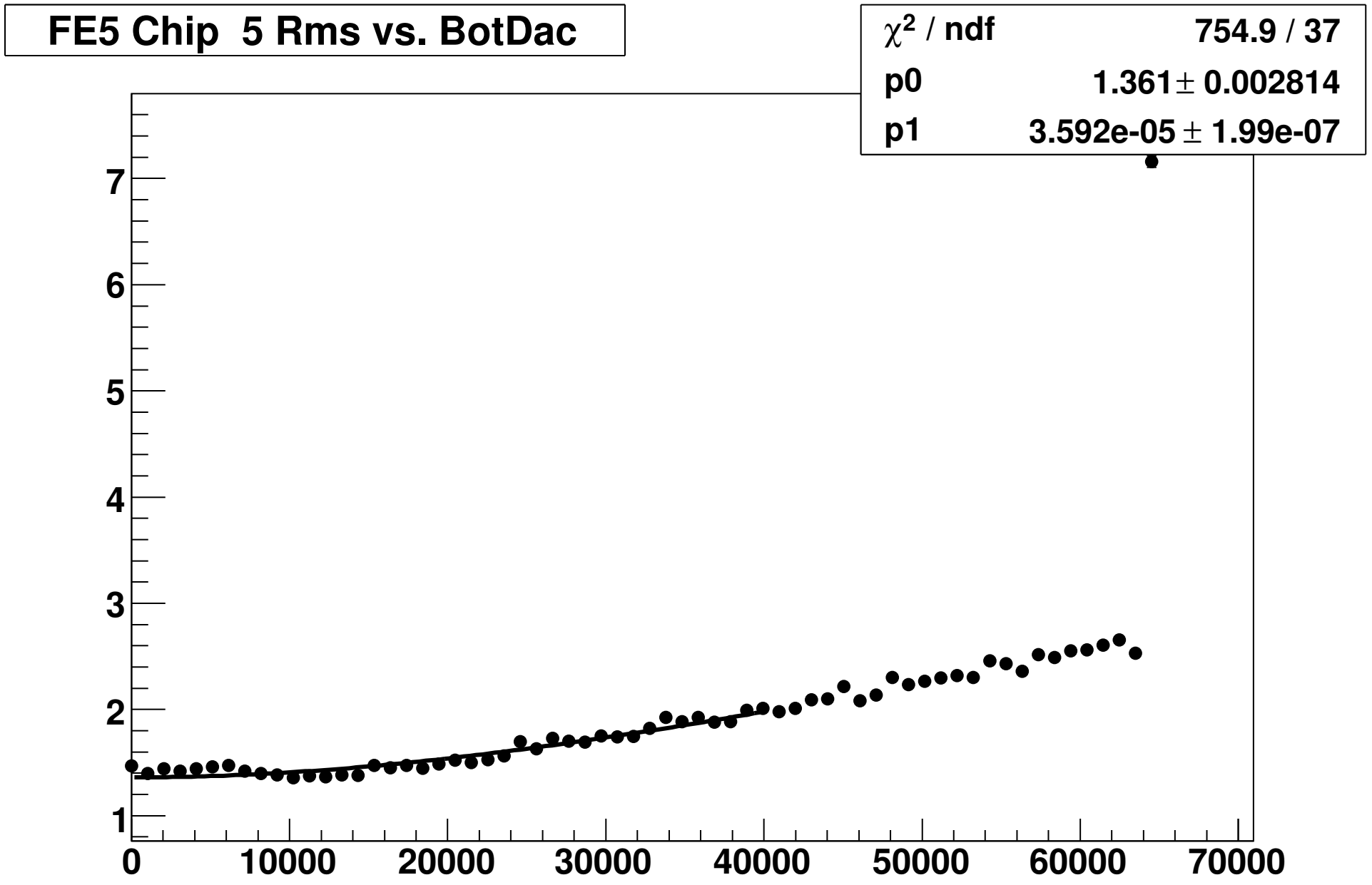

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.965e+05 / 37
p0 8.324 ± 0.005105
p1 0.4515 ± 2.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 754.9 / 37
p0 1.361 ± 0.002814
p1 3.592e-05 ± 1.99e-07
7
6
5
4
3
2
1
0
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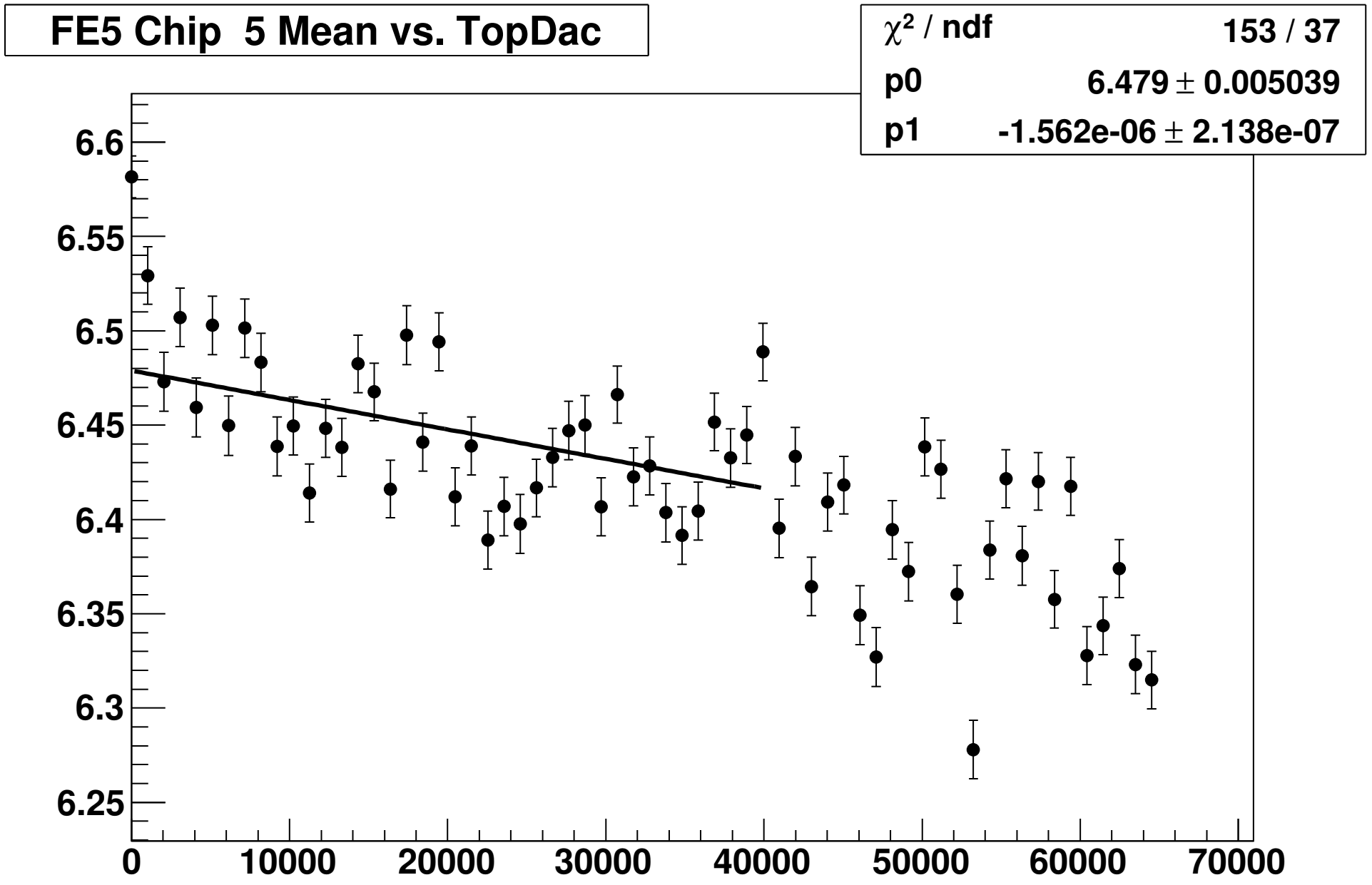
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 153 / 37
p0 6.479 ± 0.005039
p1 -1.562e-06 ± 2.138e-07
6.6
6.55
6.5
6.45
6.4
6.35
6.3
6.25
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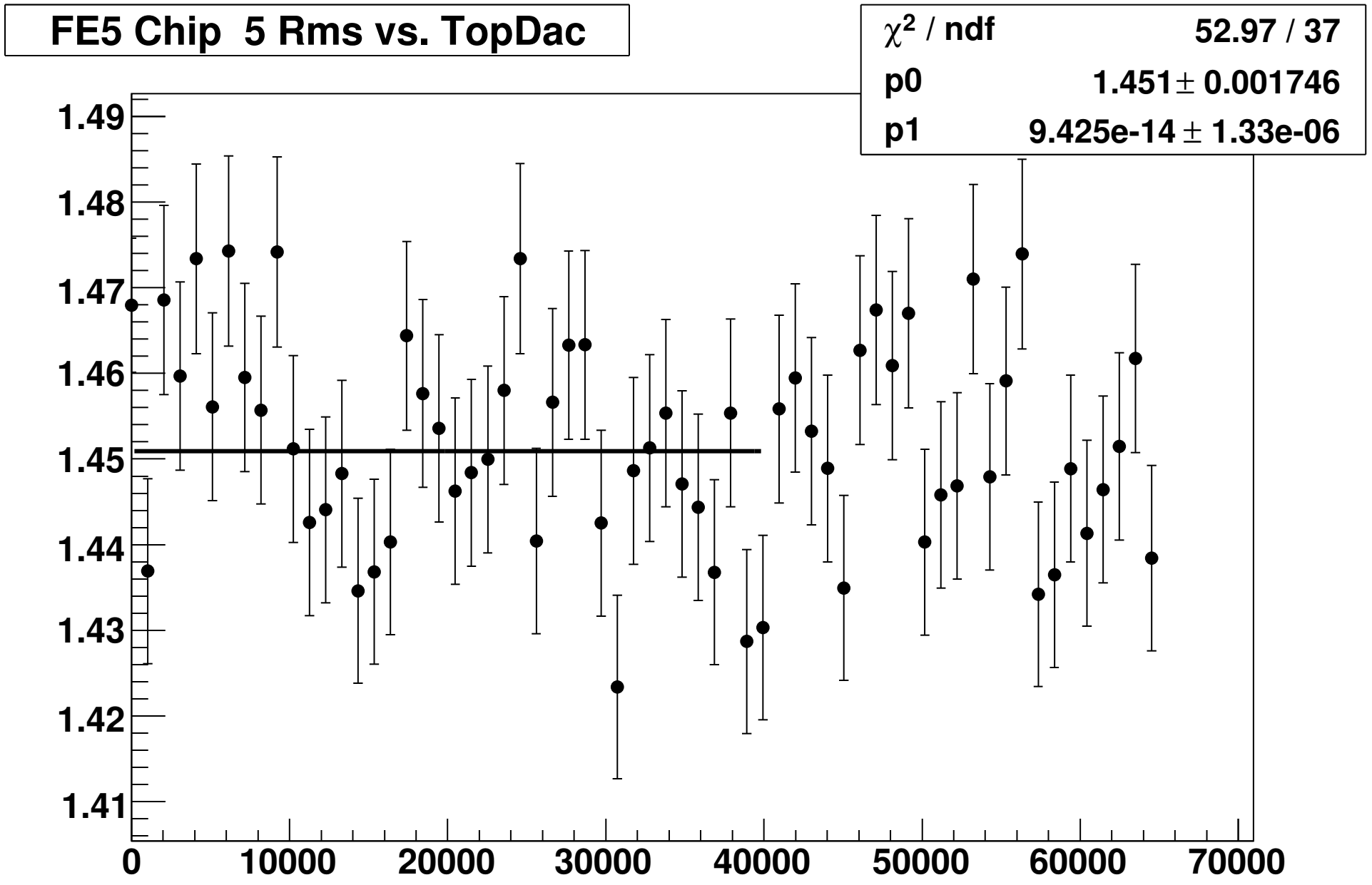
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 52.97 / 37
p0 1.451 ± 0.001746
p1 9.425e-14 ± 1.33e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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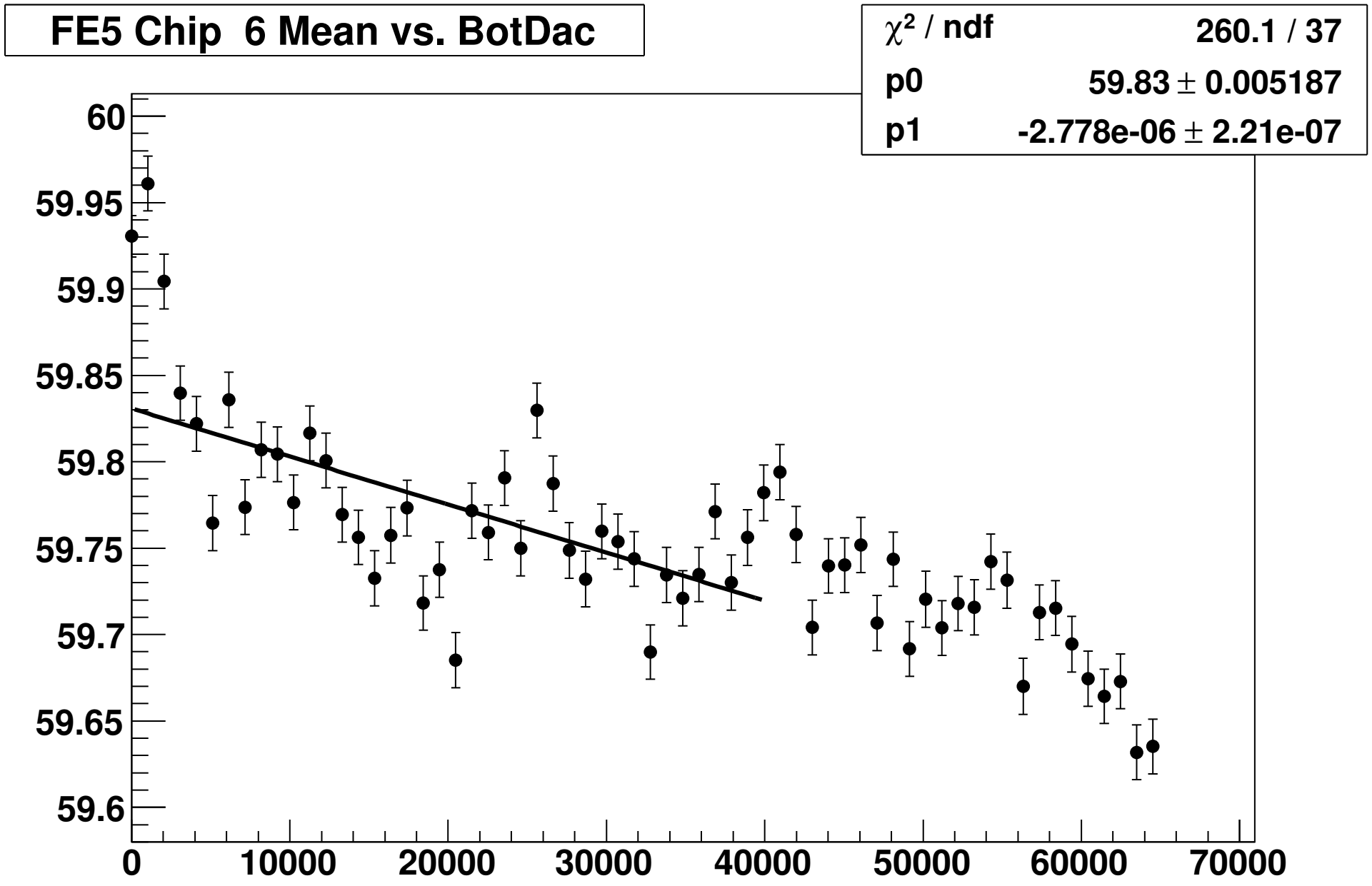
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 260.1 / 37
p0 59.83 ± 0.005187
p1 -2.778e-06 ± 2.21e-07
60
59.95
59.9
59.85
59.8
59.75
59.7
59.65
59.6
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10000
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30000
40000
50000
60000
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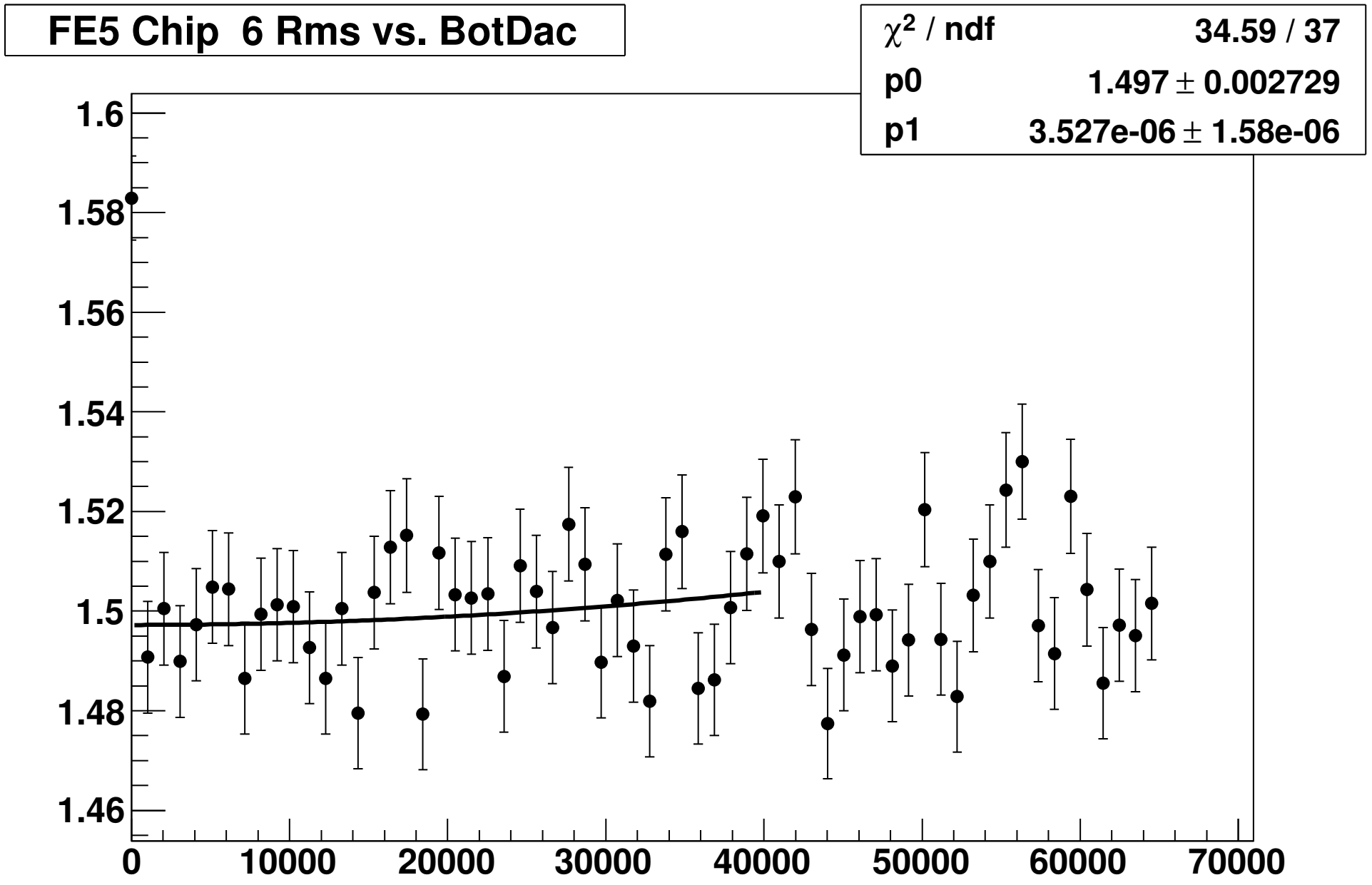
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 34.59 / 37
p0 1.497 ± 0.002729
p1 3.527e-06 ± 1.58e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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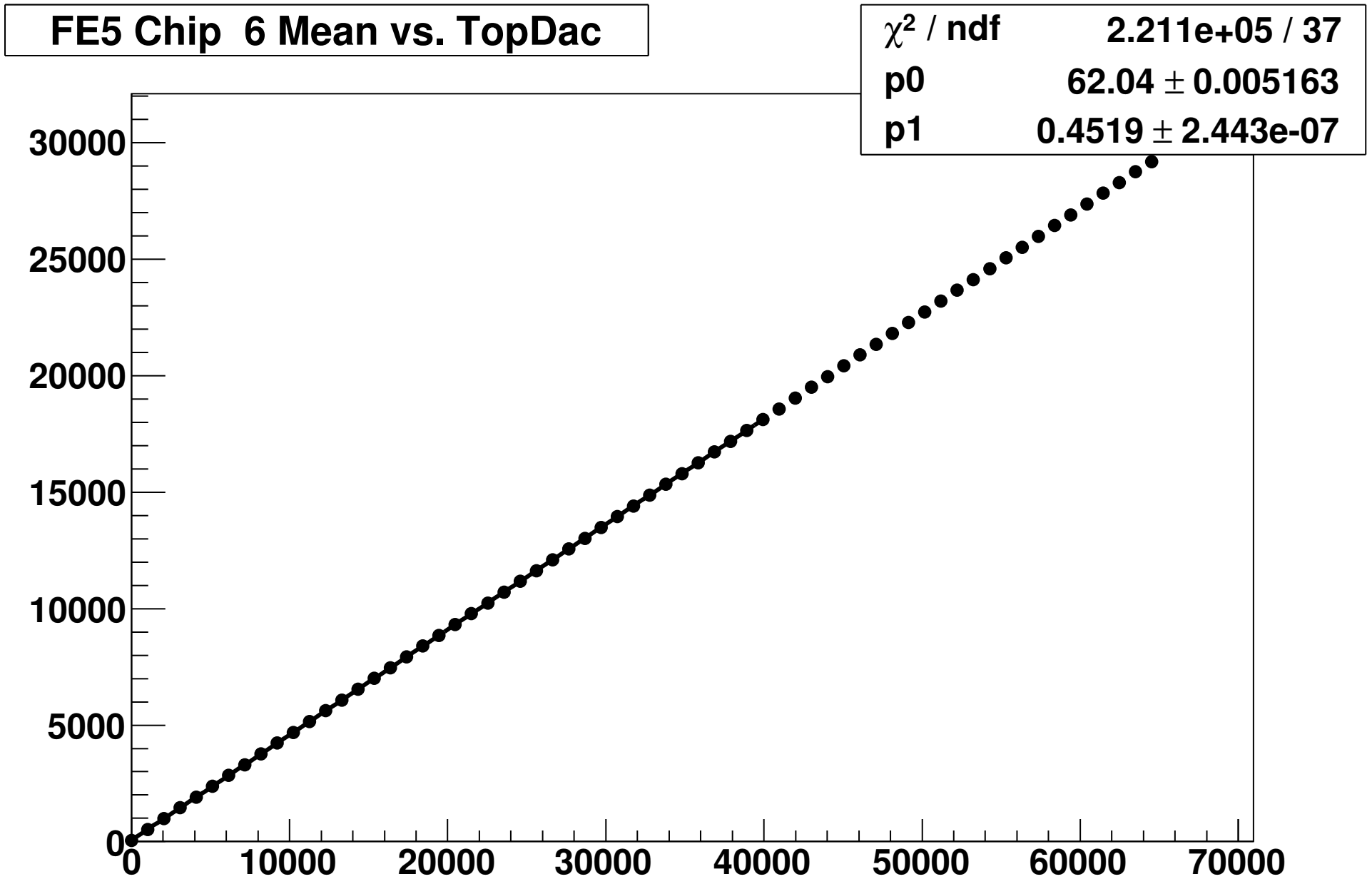
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 2.211e+05 / 37
p0 62.04 ± 0.005163
p1 0.4519 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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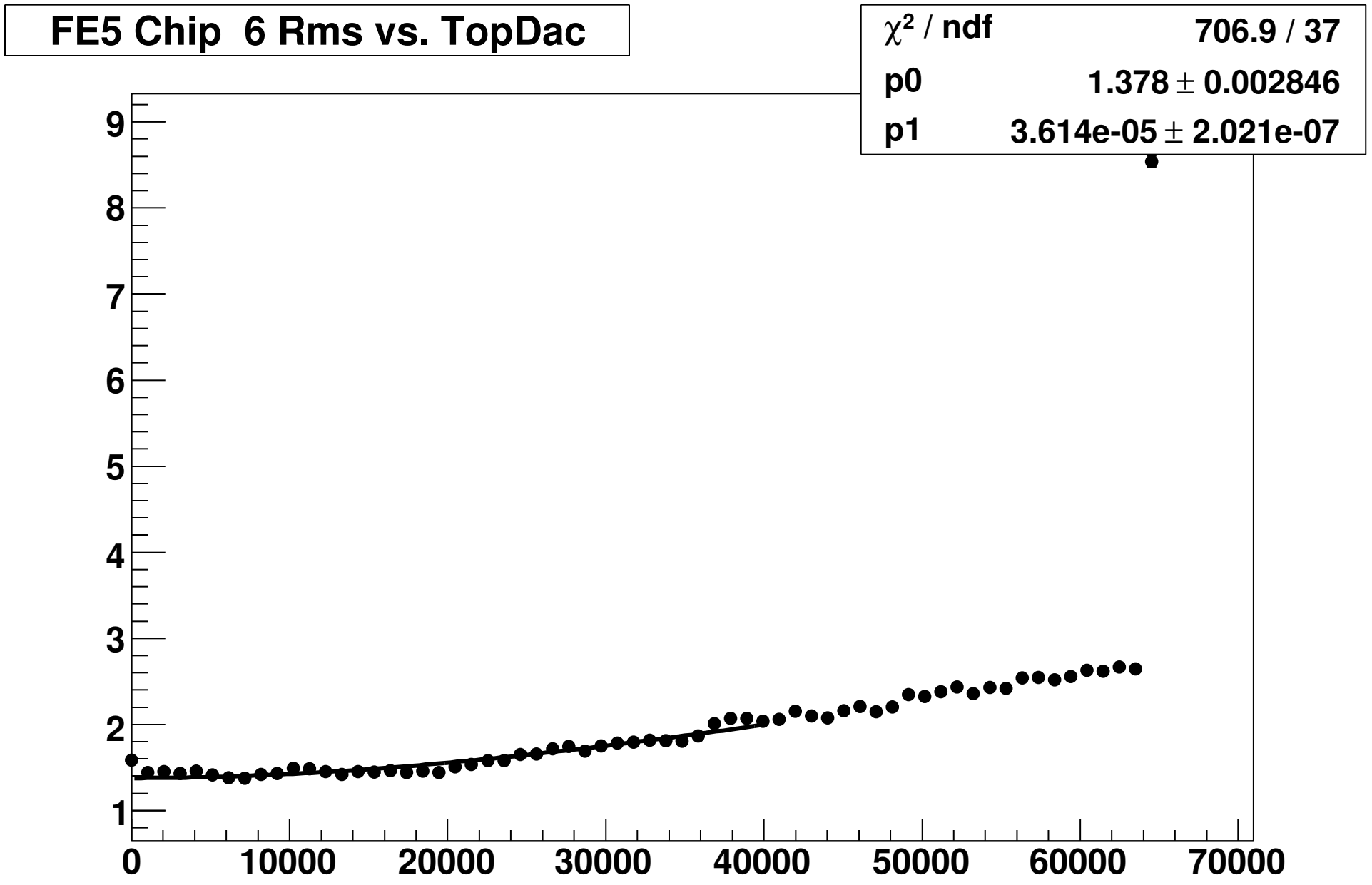
FE5 Chip 6 Rms vs. TopDac
χ² / ndf 706.9 / 37
p0 1.378 ± 0.002846
p1 3.614e-05 ± 2.021e-07
9
8
7
6
5
4
3
2
1
0
10000
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30000
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50000
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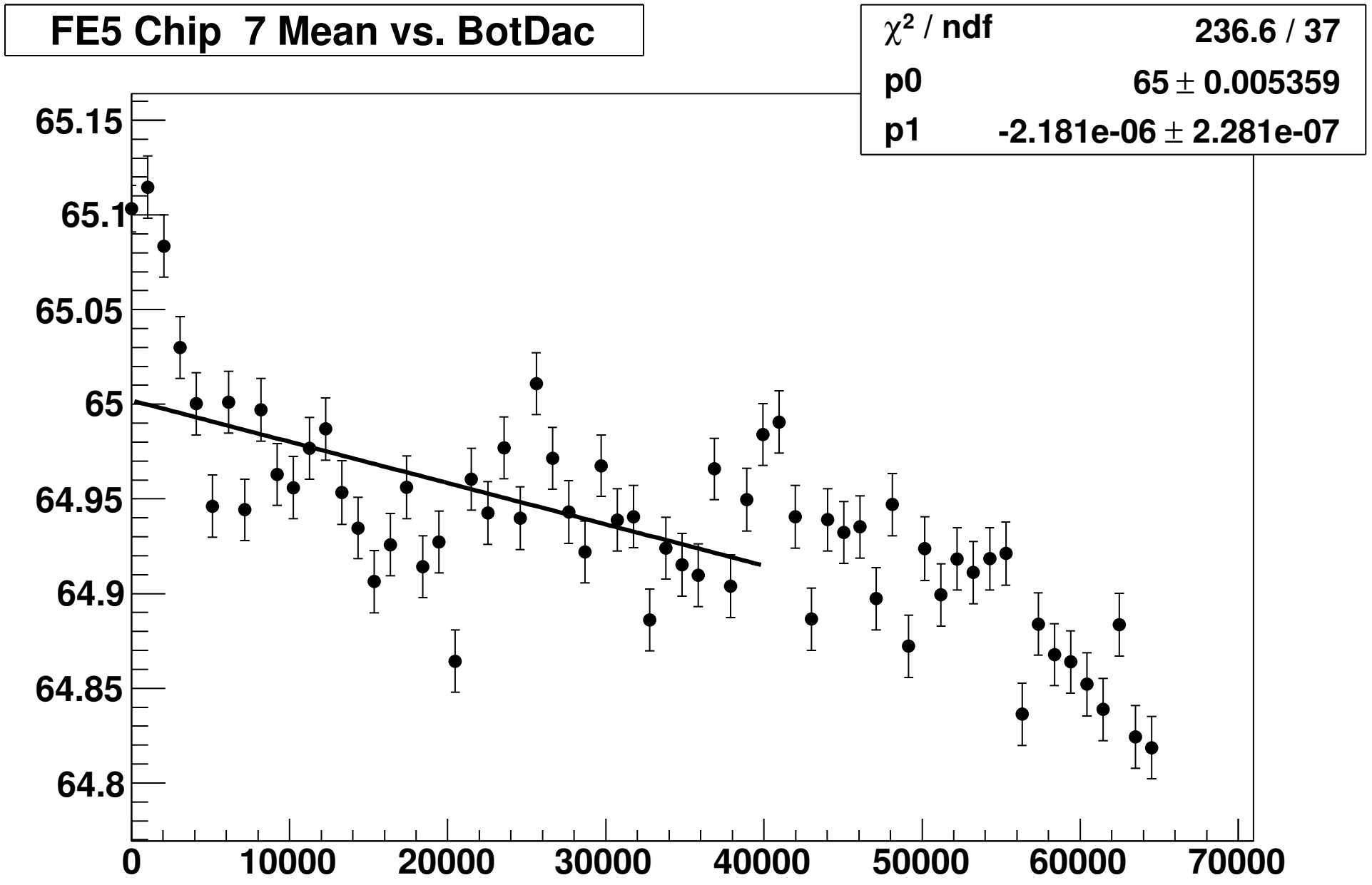
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 236.6 / 37
p0 65 ± 0.005359
p1 -2.181e-06 ± 2.281e-07
65.15
65.1
65.05
65
64.95
64.9
64.85
64.8
0
10000
20000
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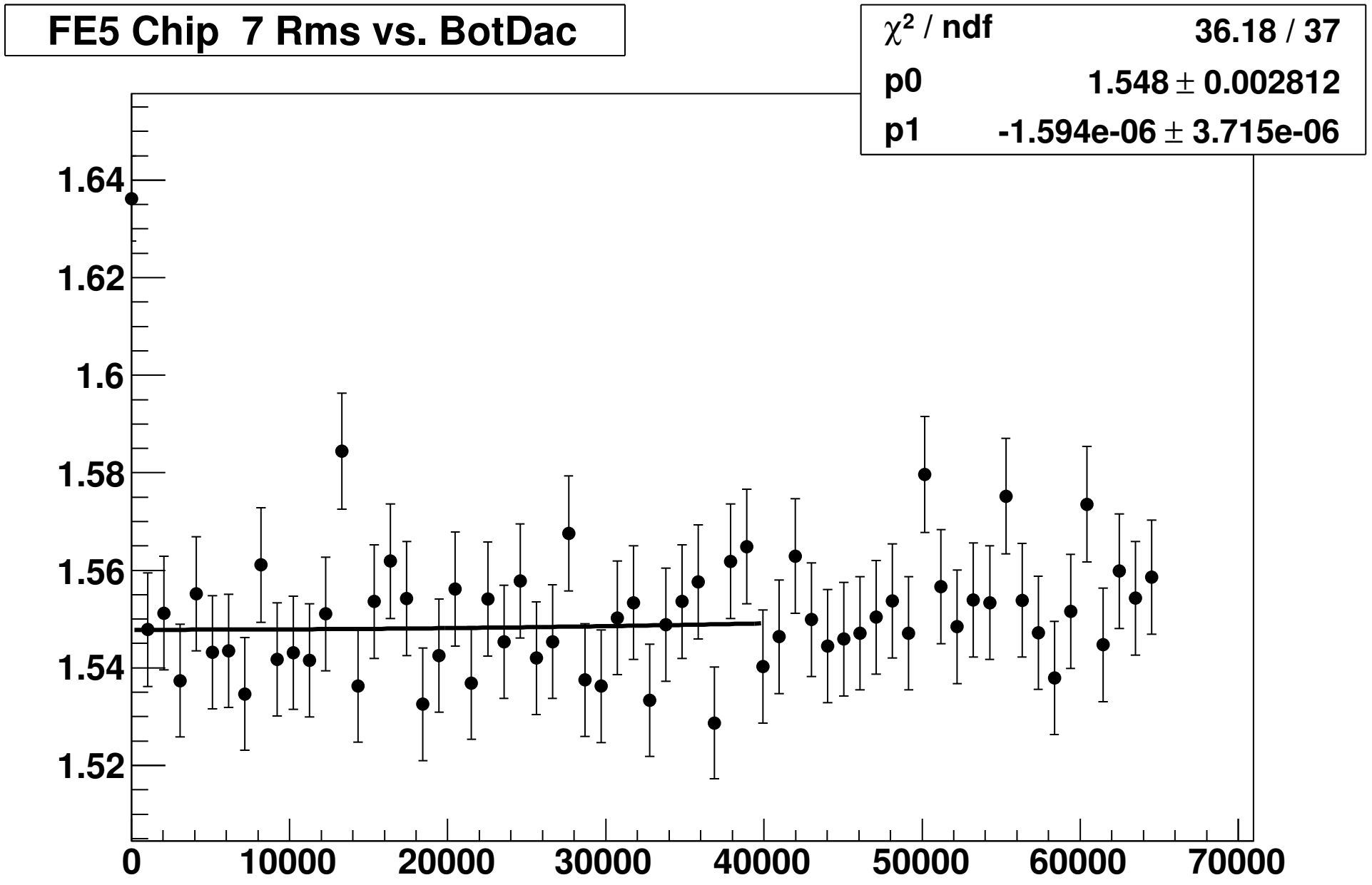
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 36.18 / 37
p0 1.548 ± 0.002812
p1 -1.594e-06 ± 3.715e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
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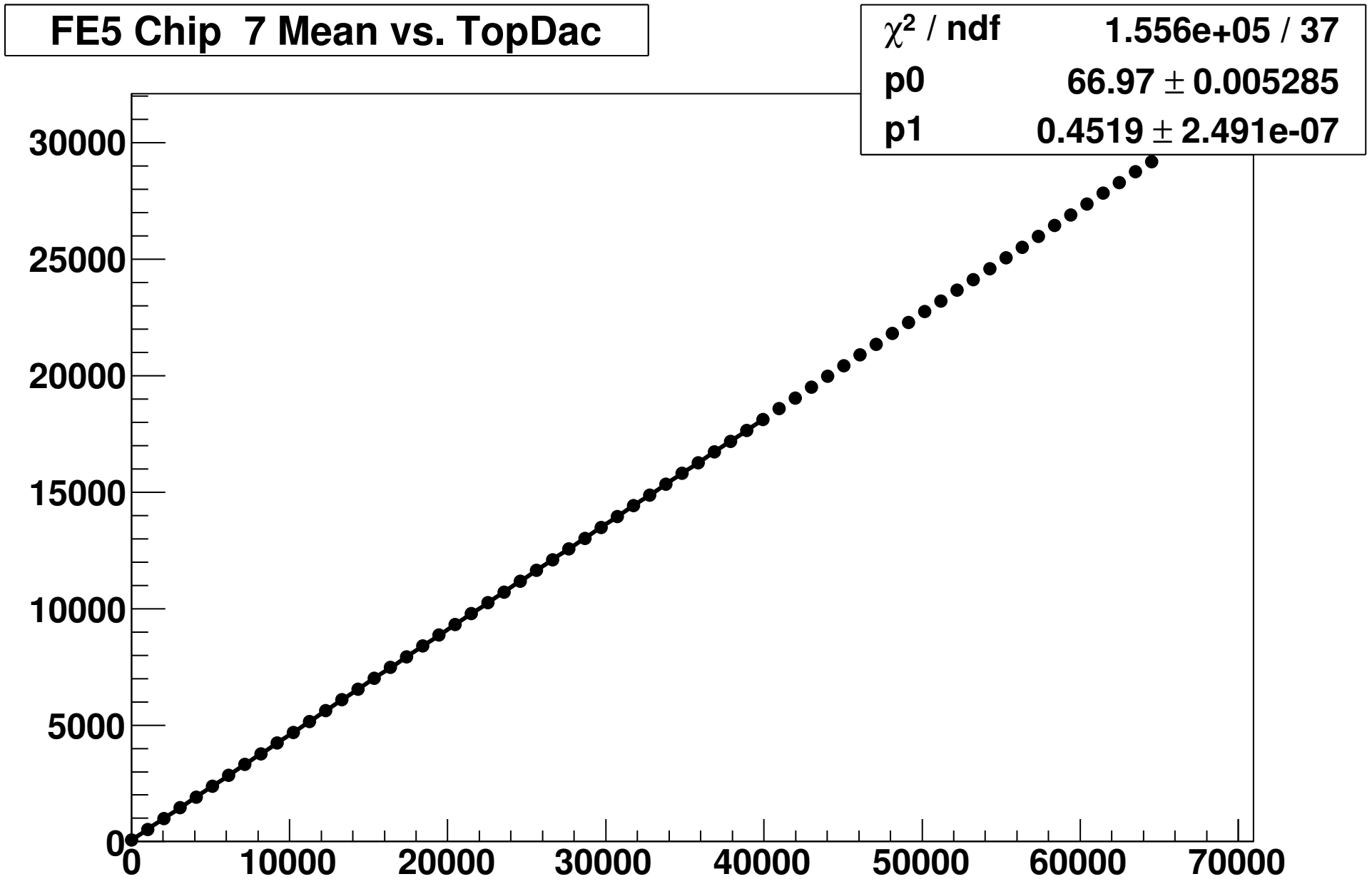
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.556e+05 / 37
p0 66.97 ± 0.005285
p1 0.4519 ± 2.491e-07
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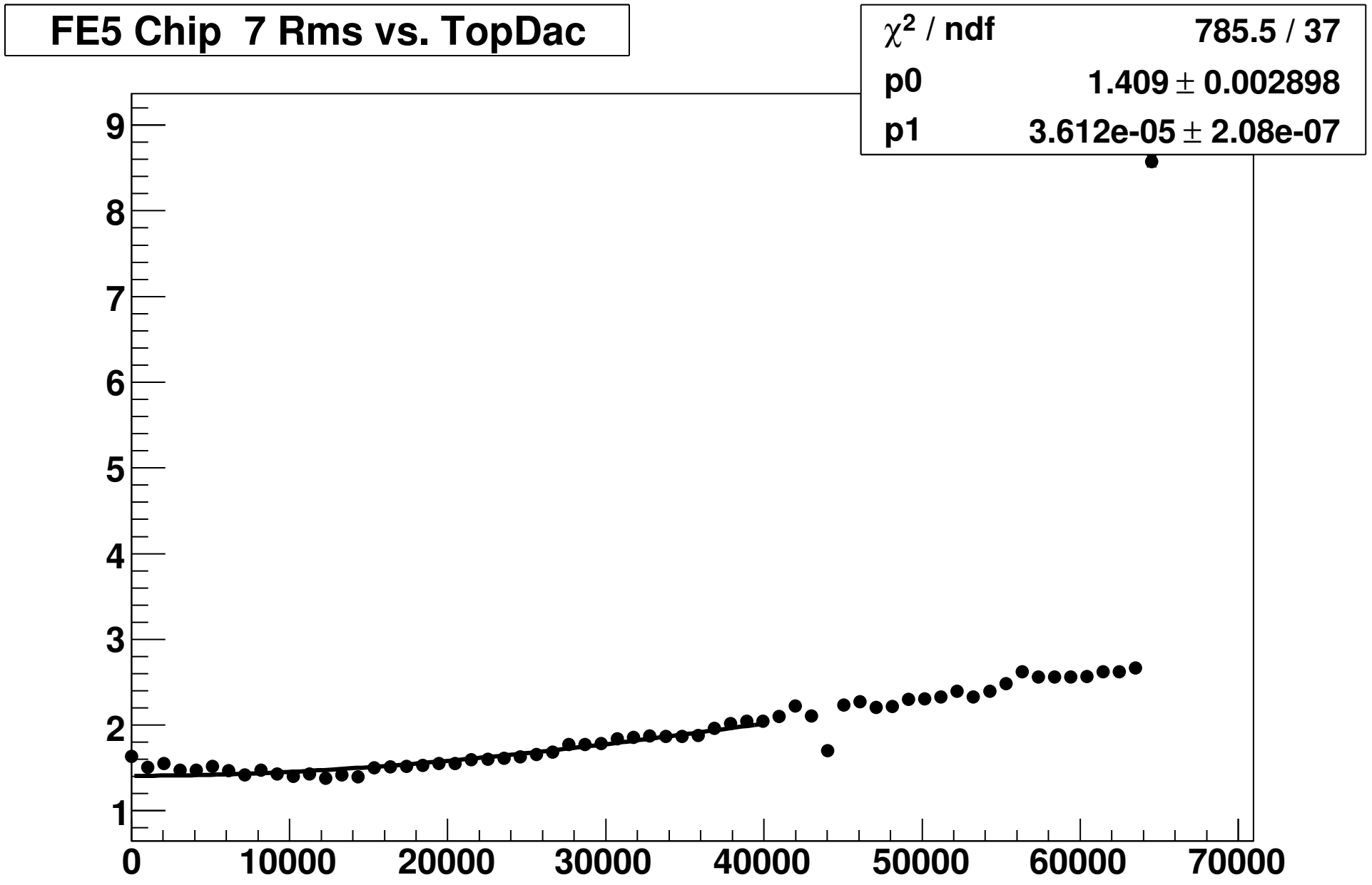
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 785.5 / 37
p0 1.409 ± 0.002898
p1 3.612e-05 ± 2.08e-07
9
8
7
6
5
4
3
2
1
0
10000
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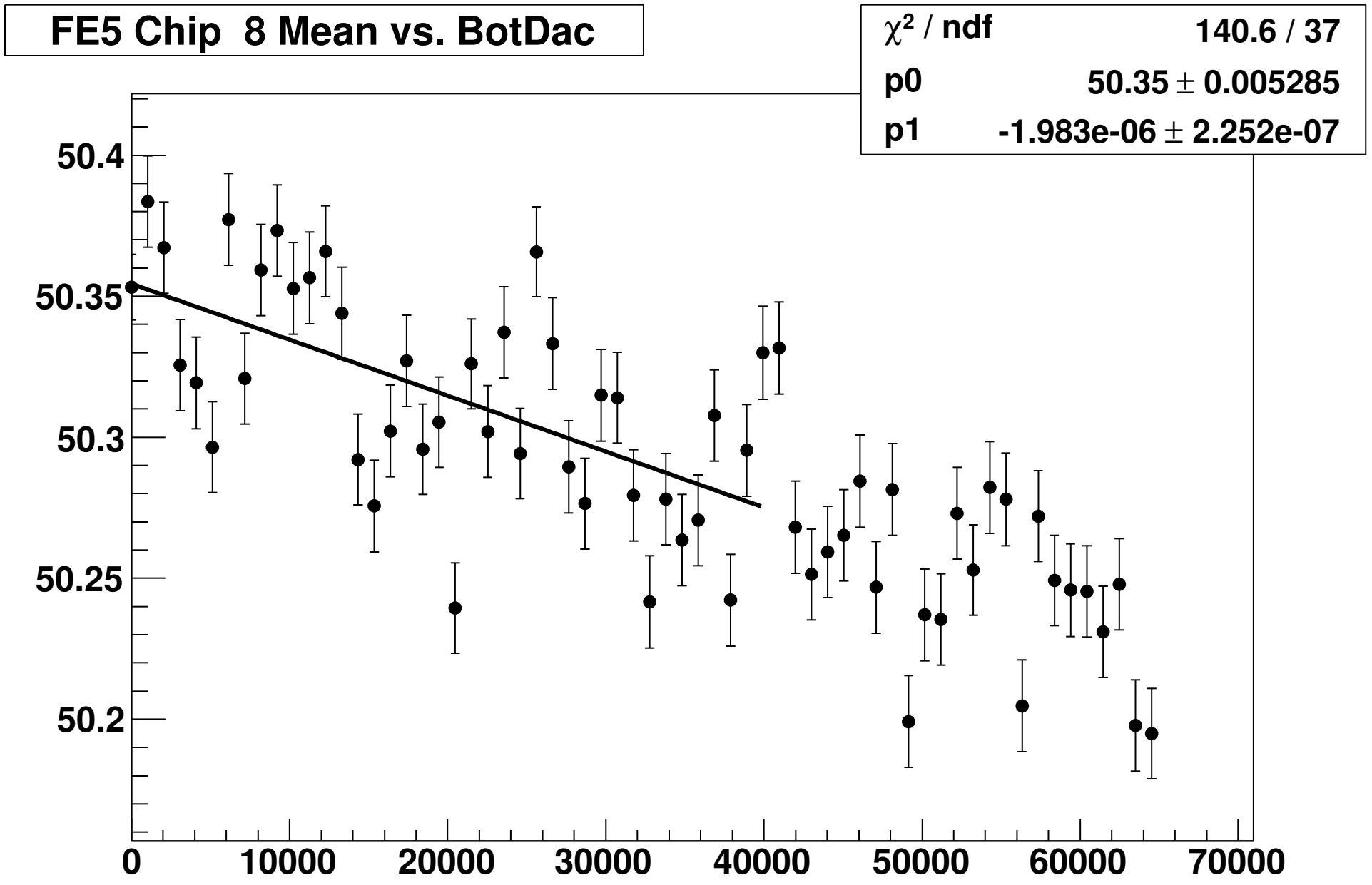
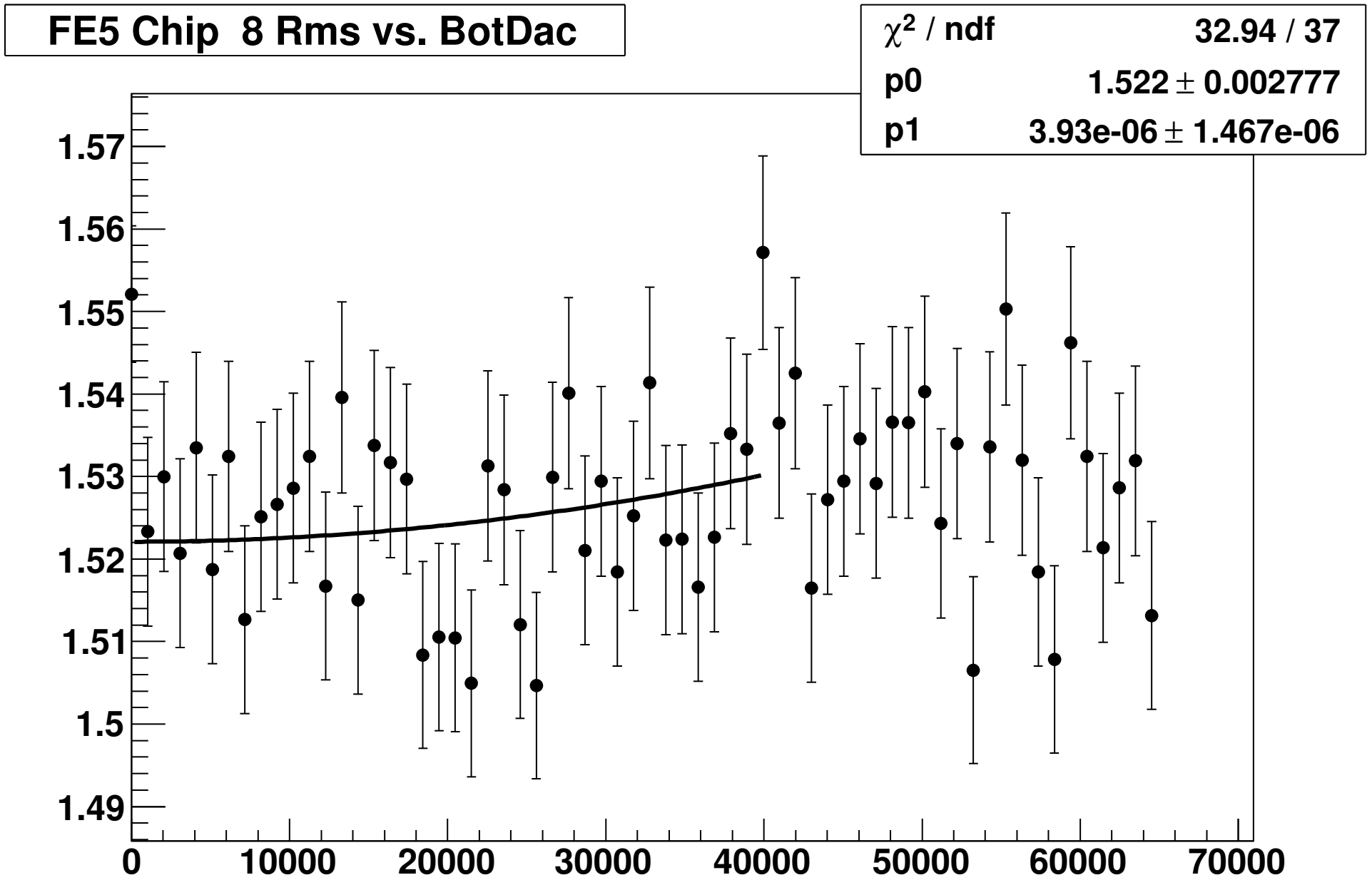

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 140.6 / 37
p0 50.35 ± 0.005285
p1 -1.983e-06 ± 2.252e-07
50.4
50.35
50.3
50.25
50.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 32.94 / 37
p0 1.522 ± 0.002777
p1 3.93e-06 ± 1.467e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
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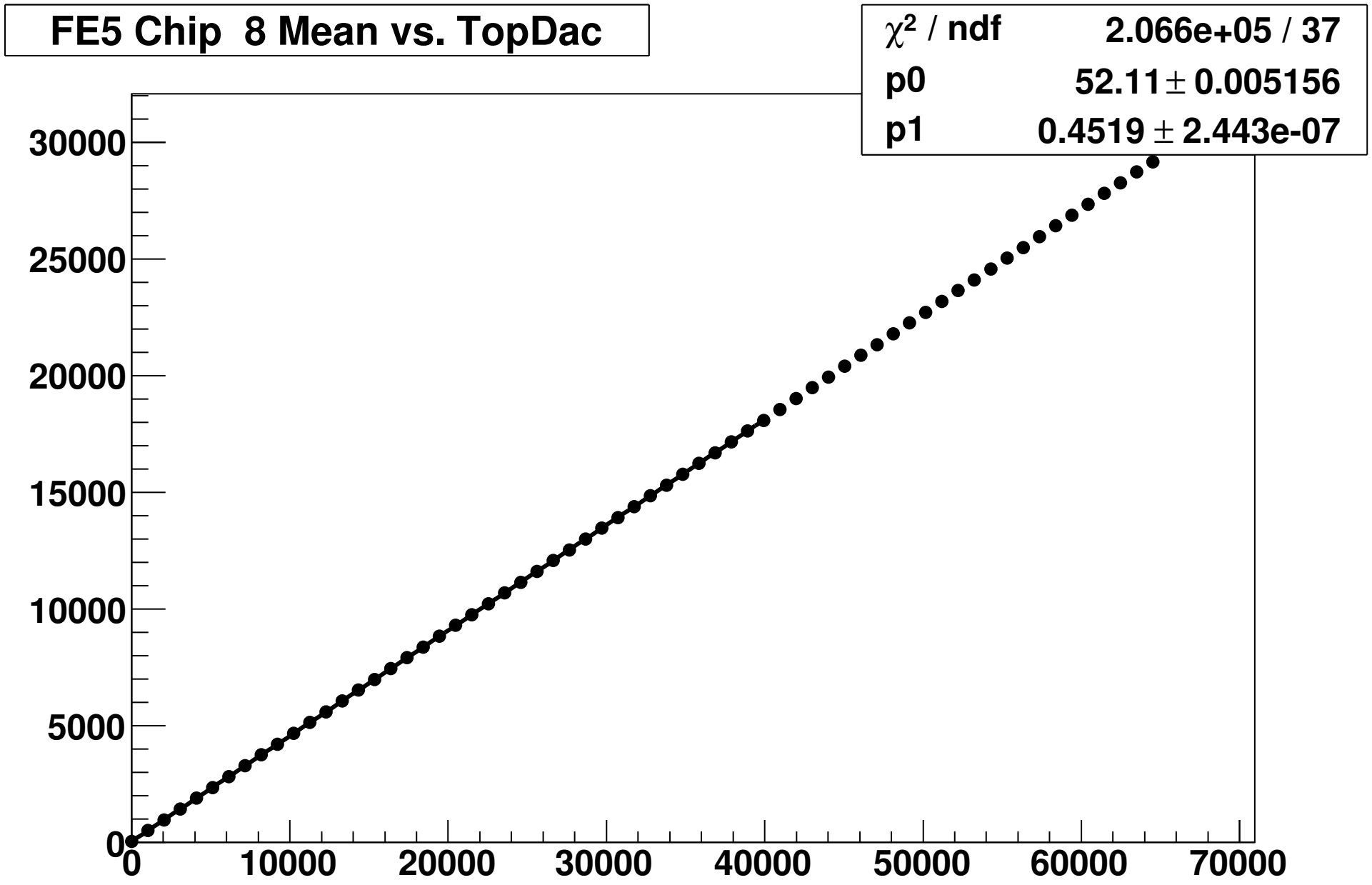
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 2.066e+05 / 37
p0 52.11 ± 0.005156
p1 0.4519 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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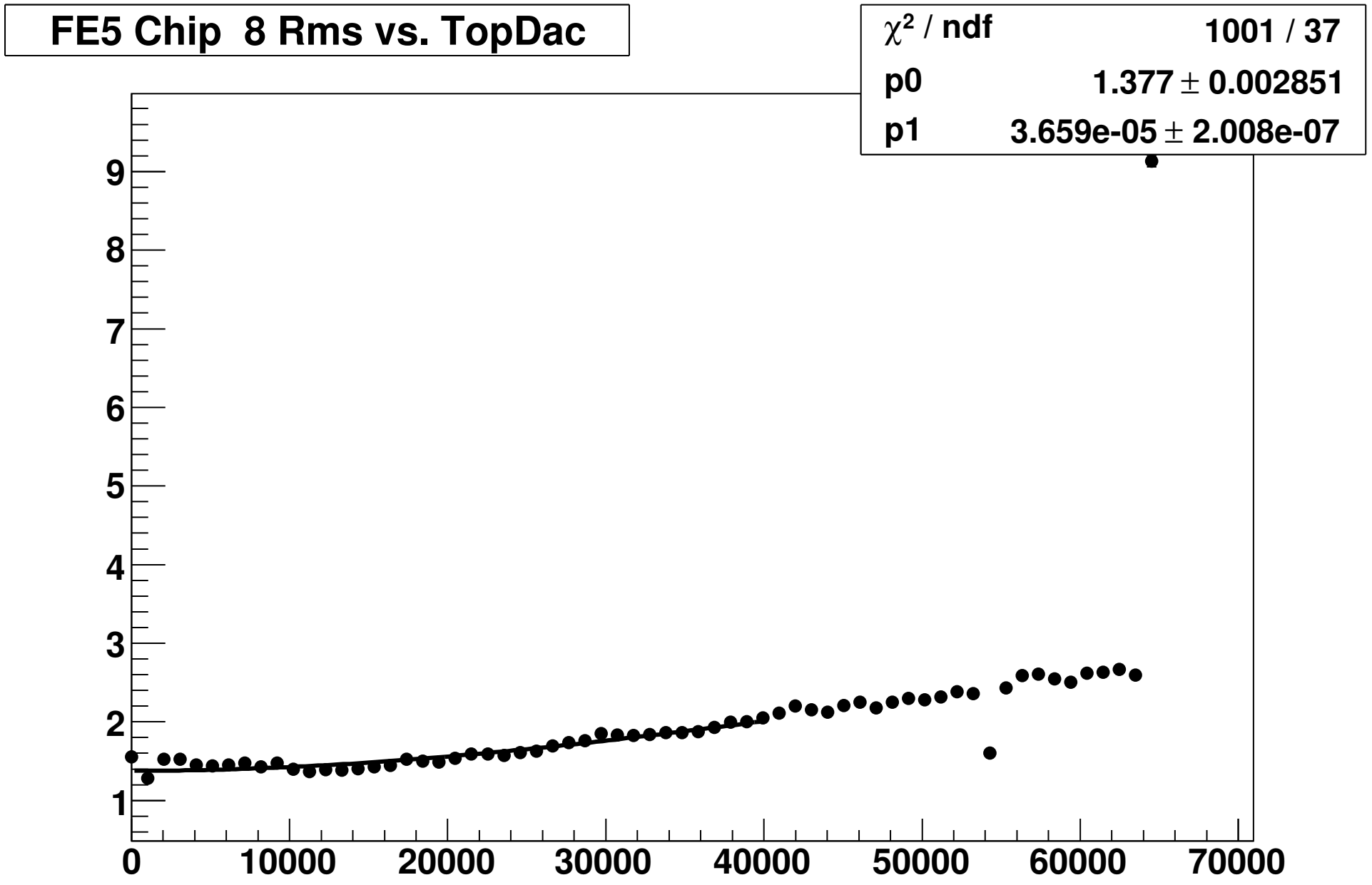
FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1001 / 37
p0 1.377 ± 0.002851
p1 3.659e-05 ± 2.008e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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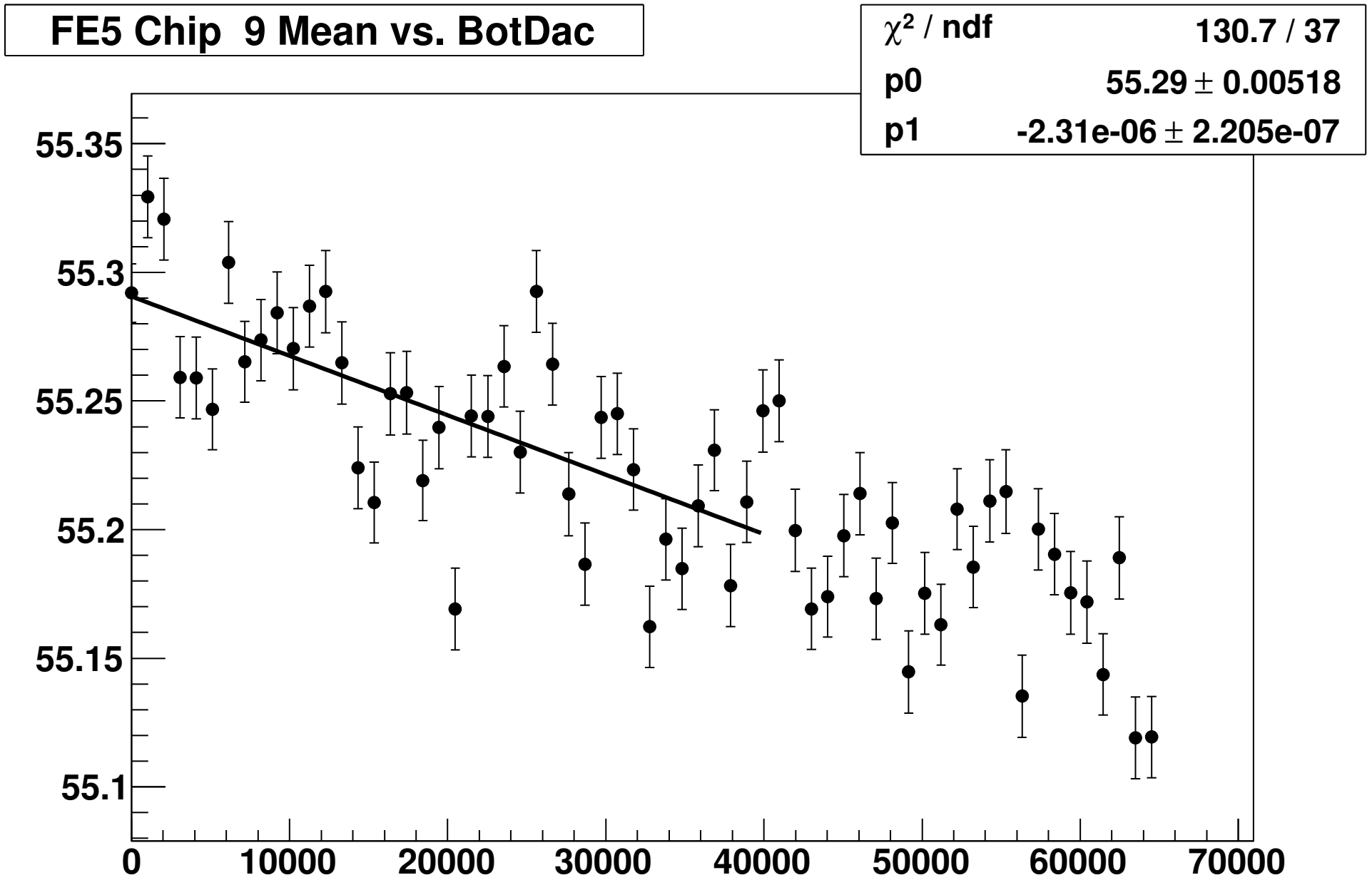
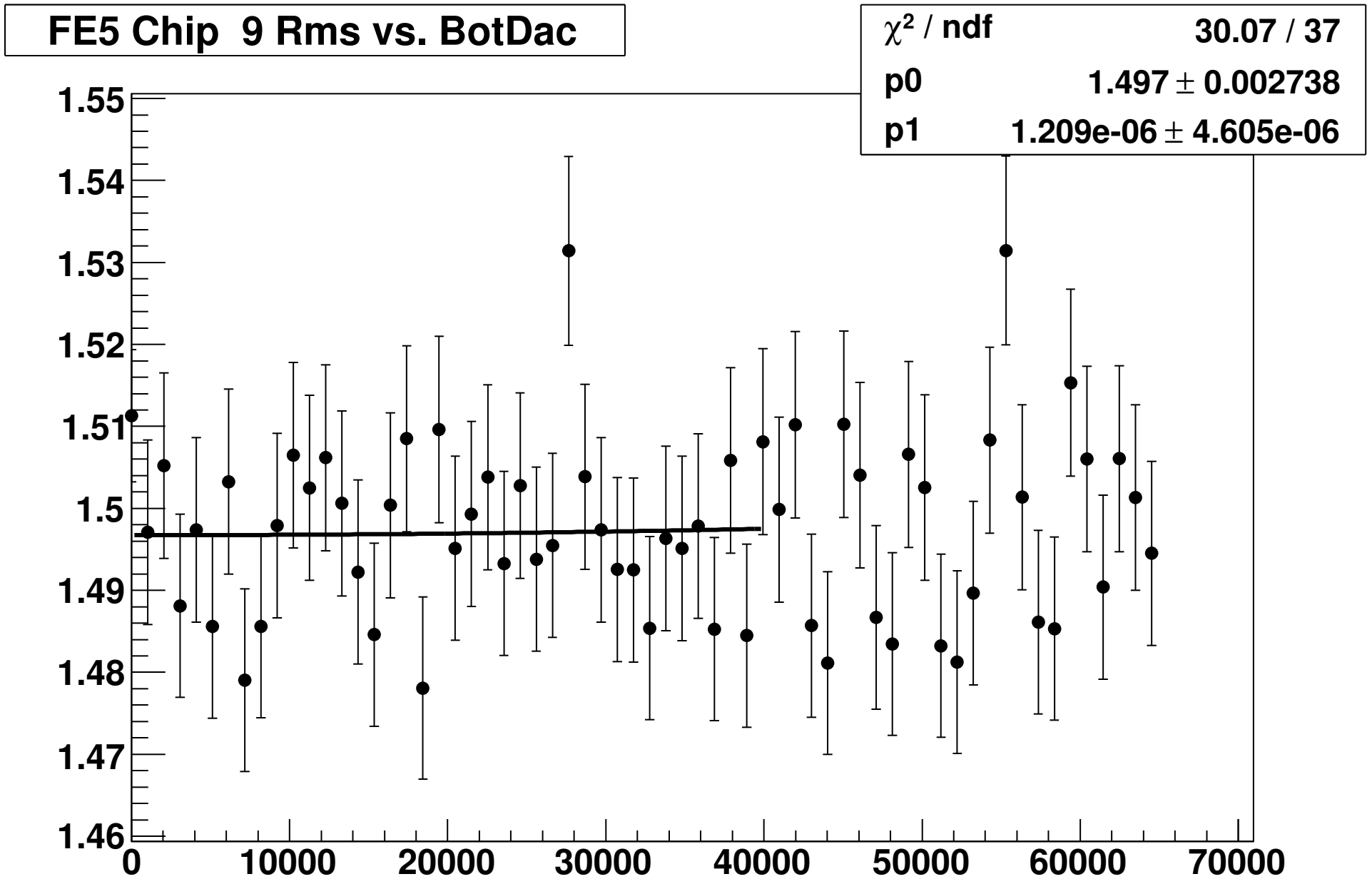

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 130.7 / 37
p0 55.29 ± 0.00518
p1 -2.31e-06 ± 2.205e-07
55.35
55.3
55.25
55.2
55.15
55.1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 30.07 / 37
p0 1.497 ± 0.002738
p1 1.209e-06 ± 4.605e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
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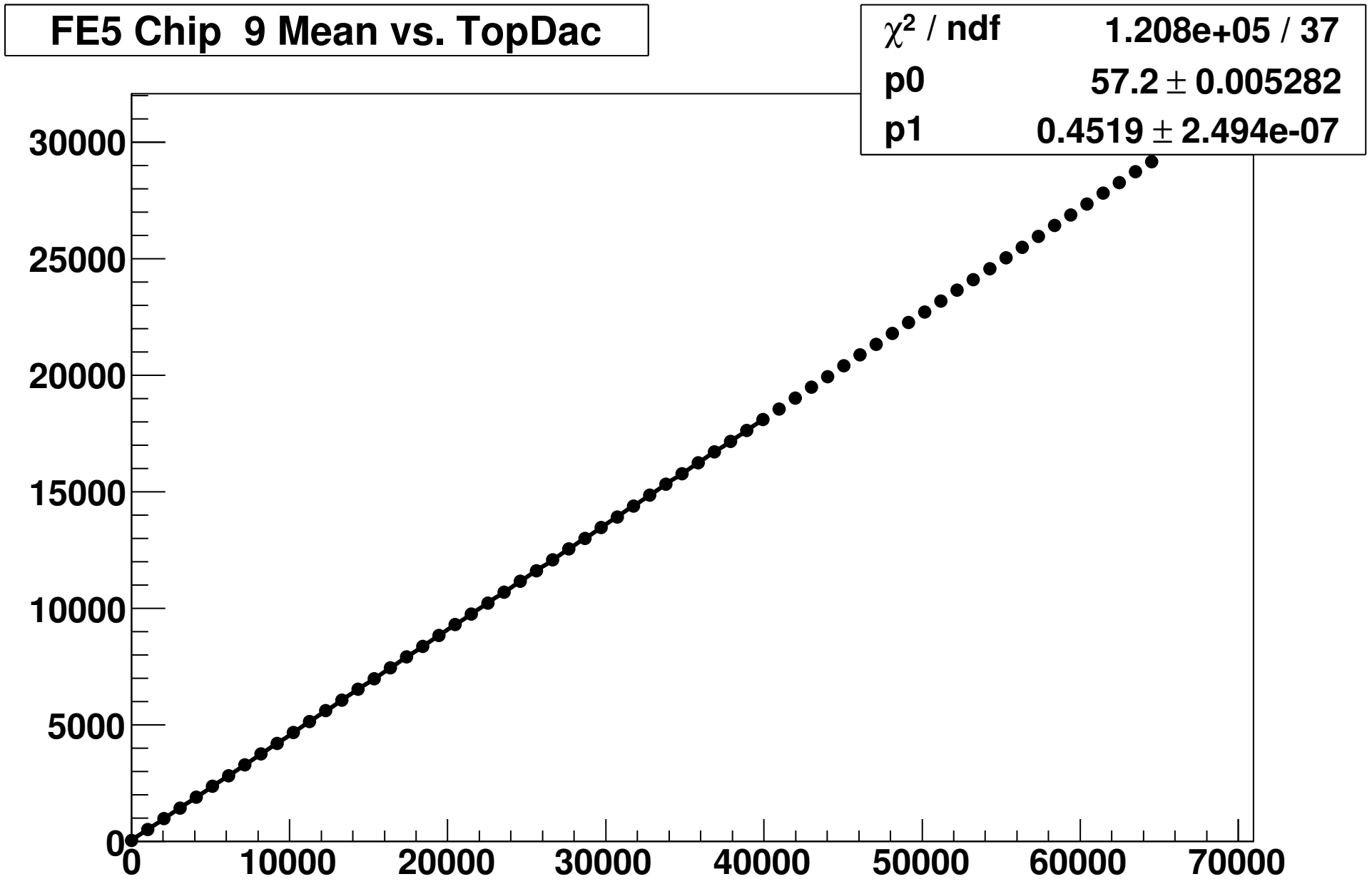
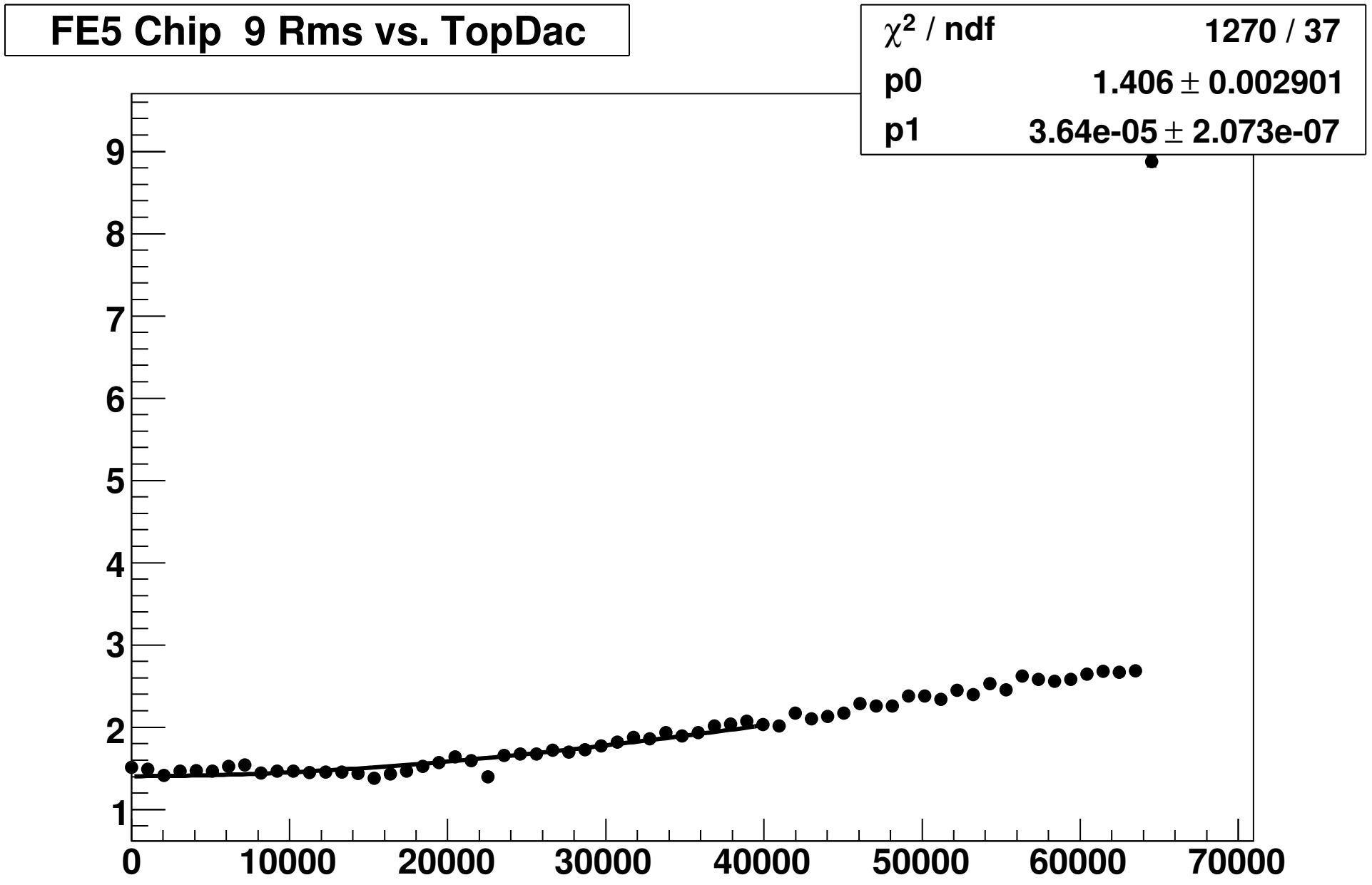
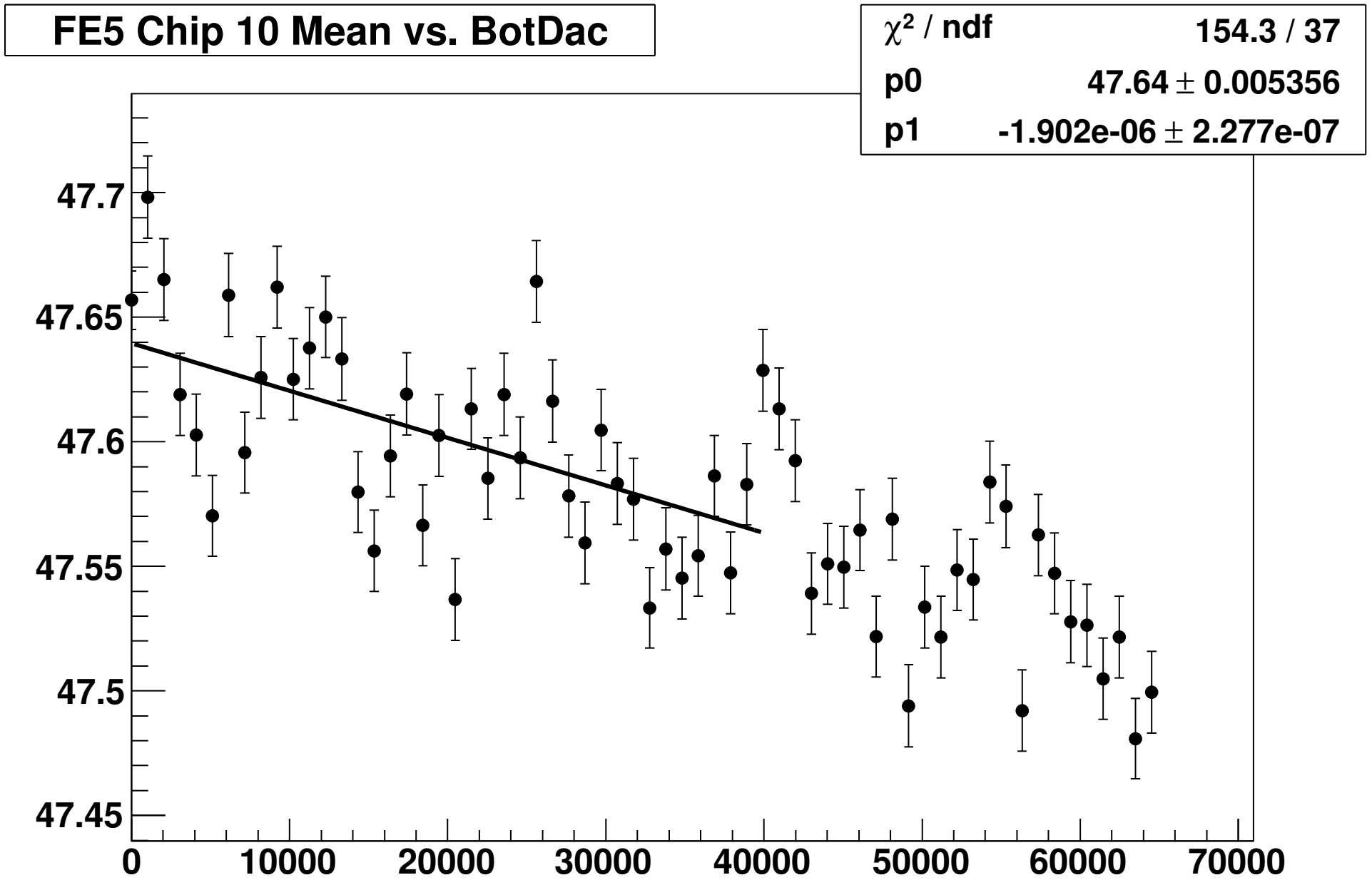
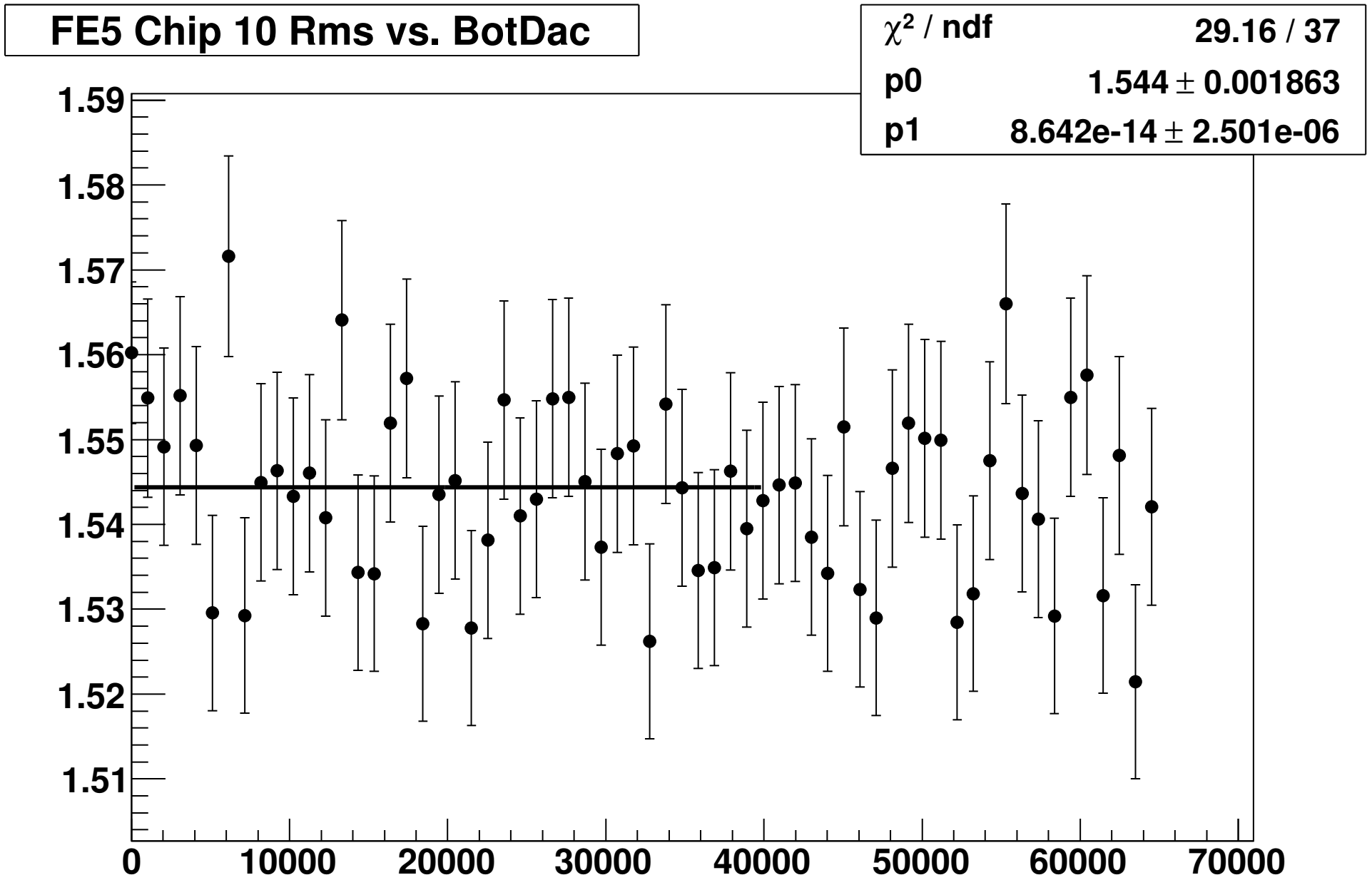
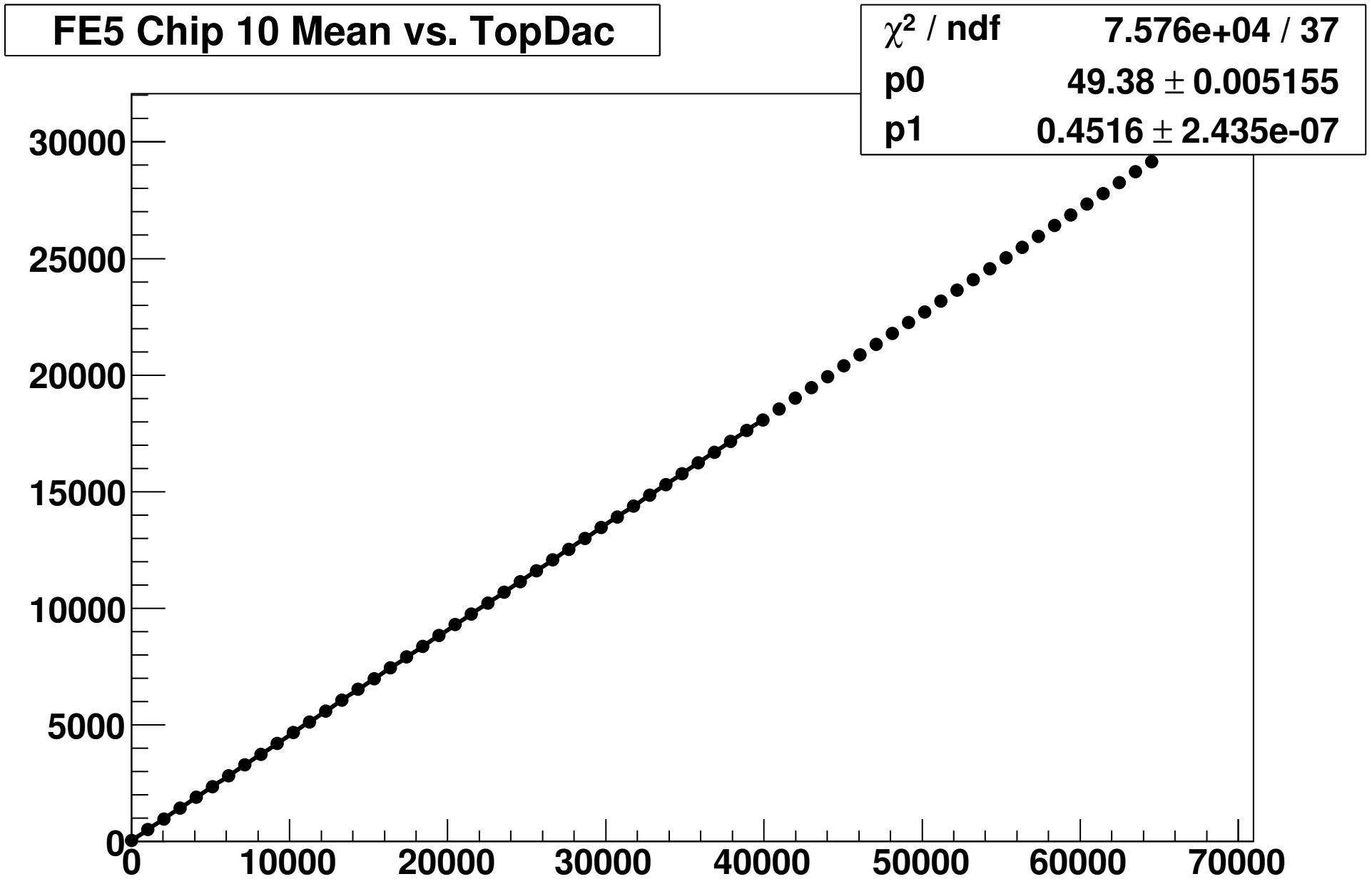

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.208e+05 / 37
p0 57.2 ± 0.005282
p1 0.4519 ± 2.494e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1270 / 37
p0 1.406 ± 0.002901
p1 3.64e-05 ± 2.073e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 154.3 / 37
p0 47.64 ± 0.005356
p1 -1.902e-06 ± 2.277e-07
47.7
47.65
47.6
47.55
47.5
47.45
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 29.16 / 37
p0 1.544 ± 0.001863
p1 8.642e-14 ± 2.501e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 7.576e+04 / 37
p0 49.38 ± 0.005155
p1 0.4516 ± 2.435e-07
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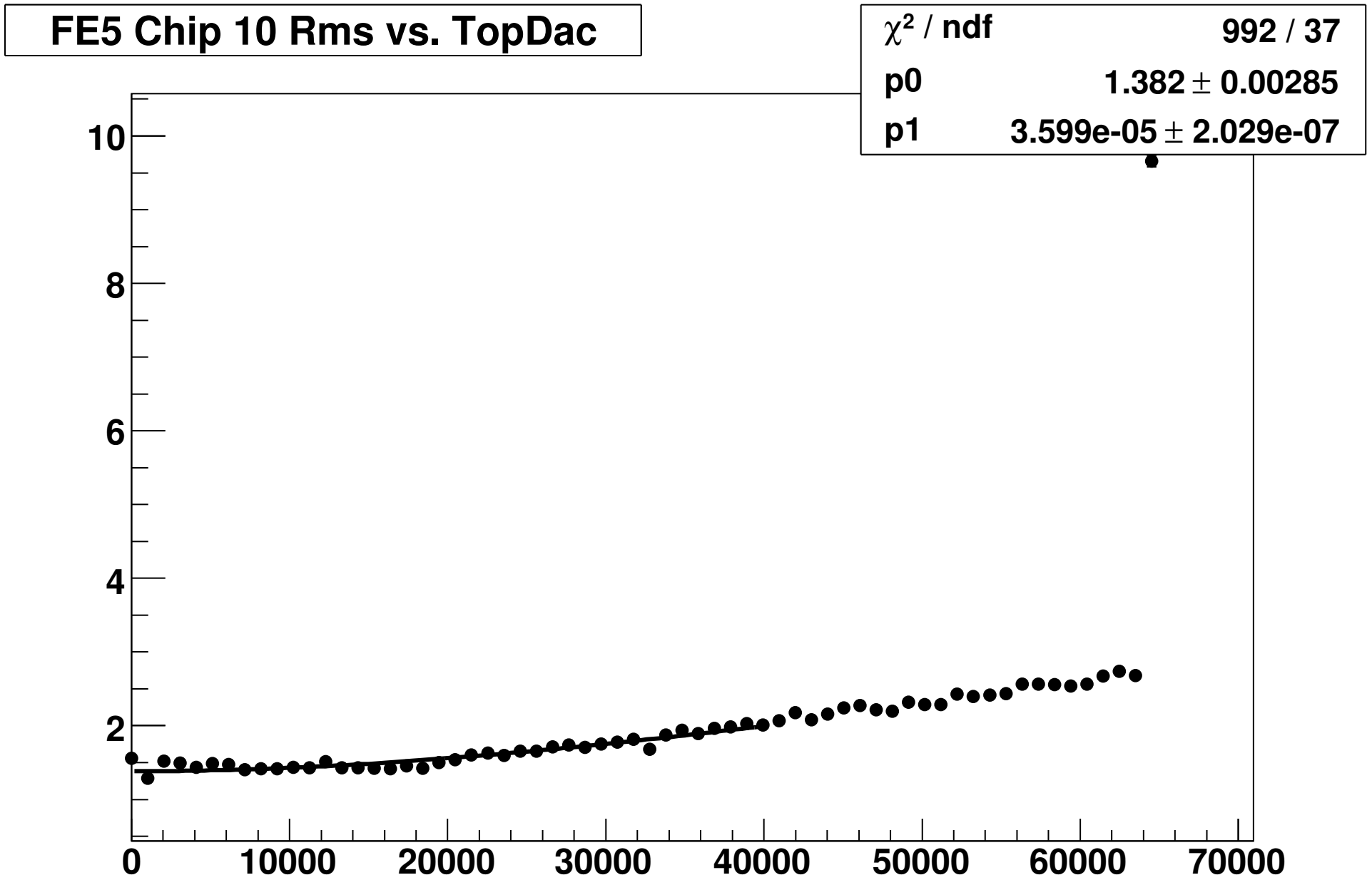
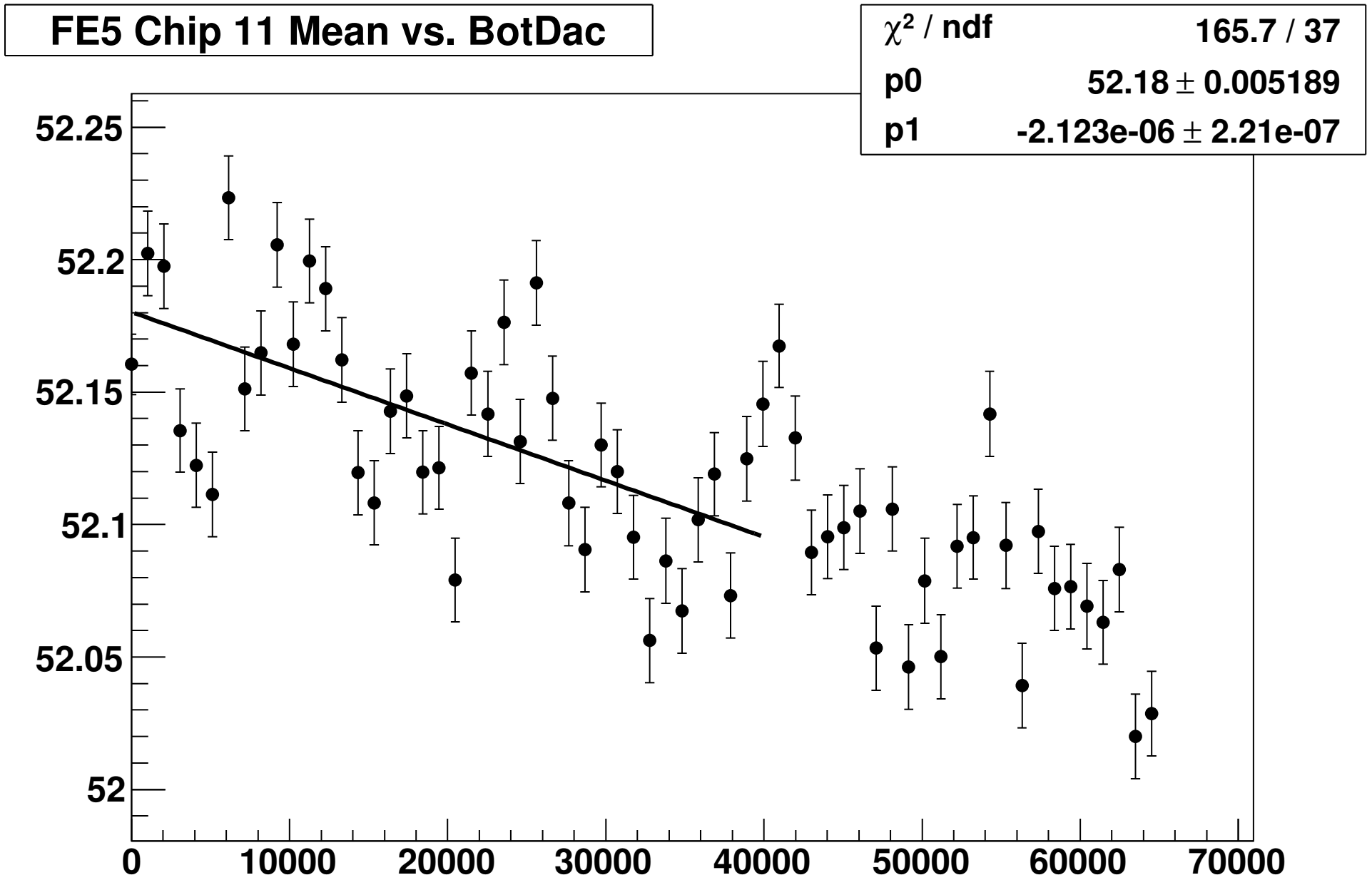
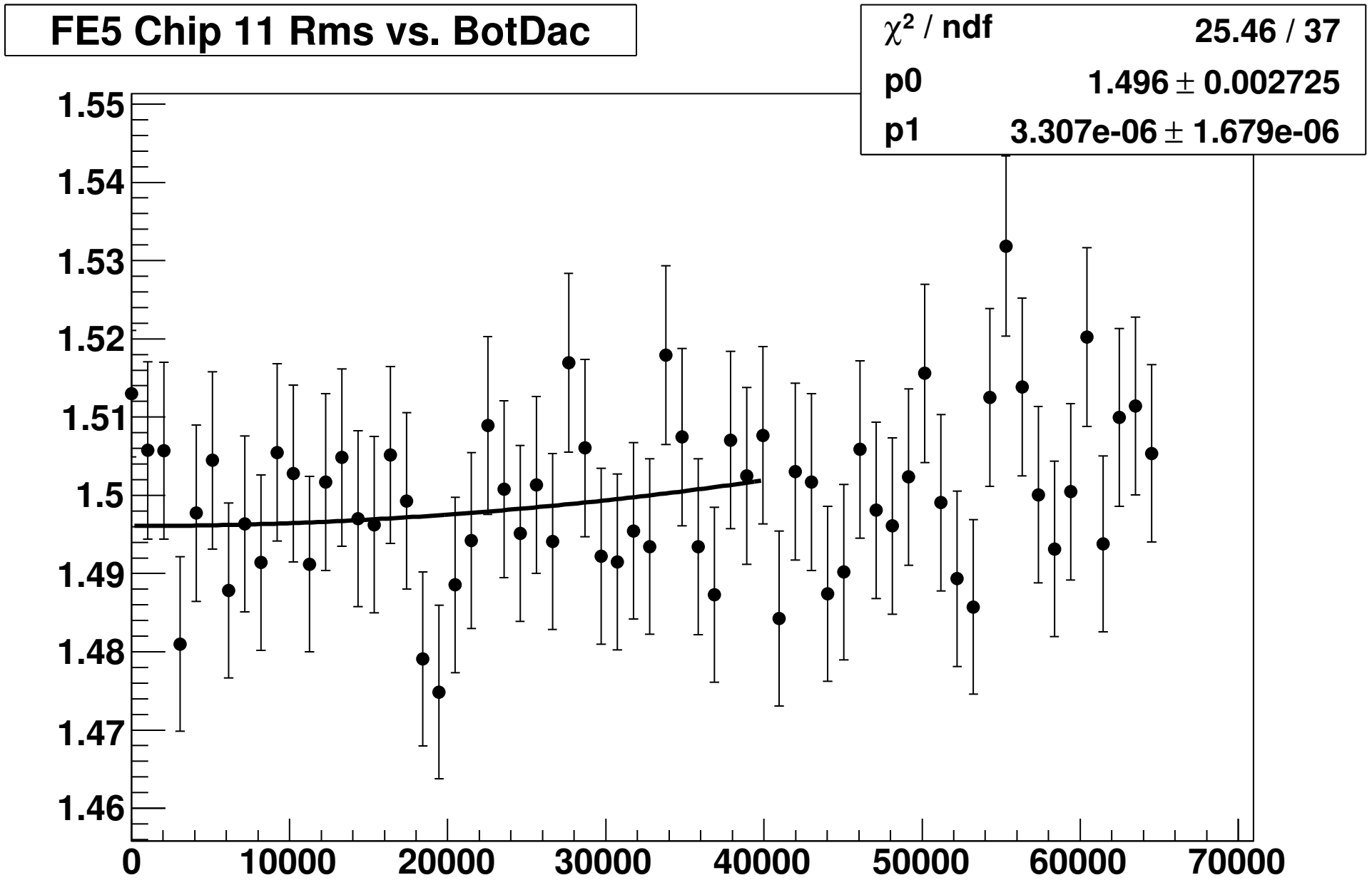
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 992 / 37
p0 1.382 ± 0.00285
p1 3.599e-05 ± 2.029e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 165.7 / 37
p0 52.18 ± 0.005189
p1 -2.123e-06 ± 2.21e-07
52.25
52.2
52.15
52.1
52.05
52
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 25.46 / 37
p0 1.496 ± 0.002725
p1 3.307e-06 ± 1.679e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
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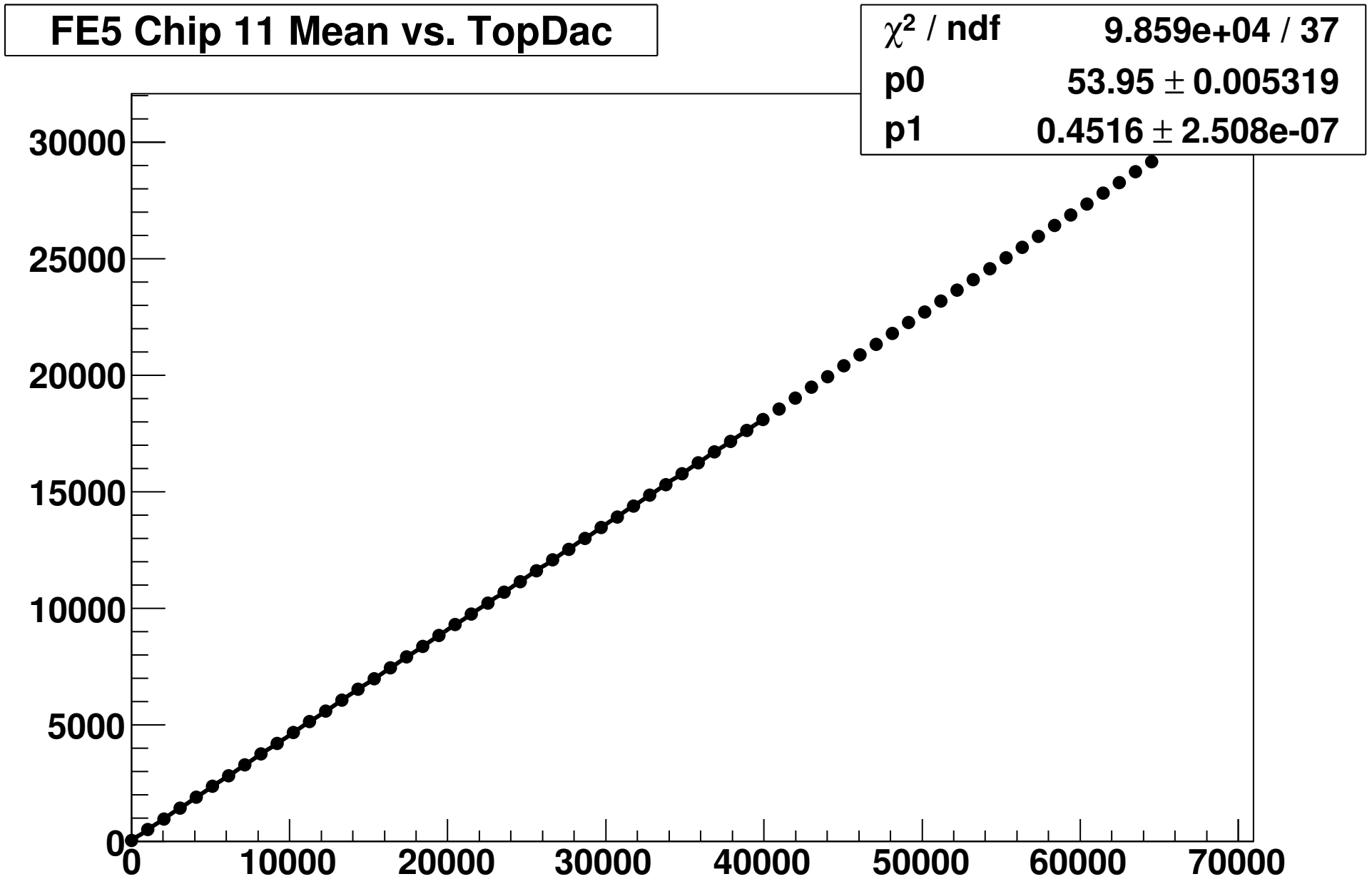
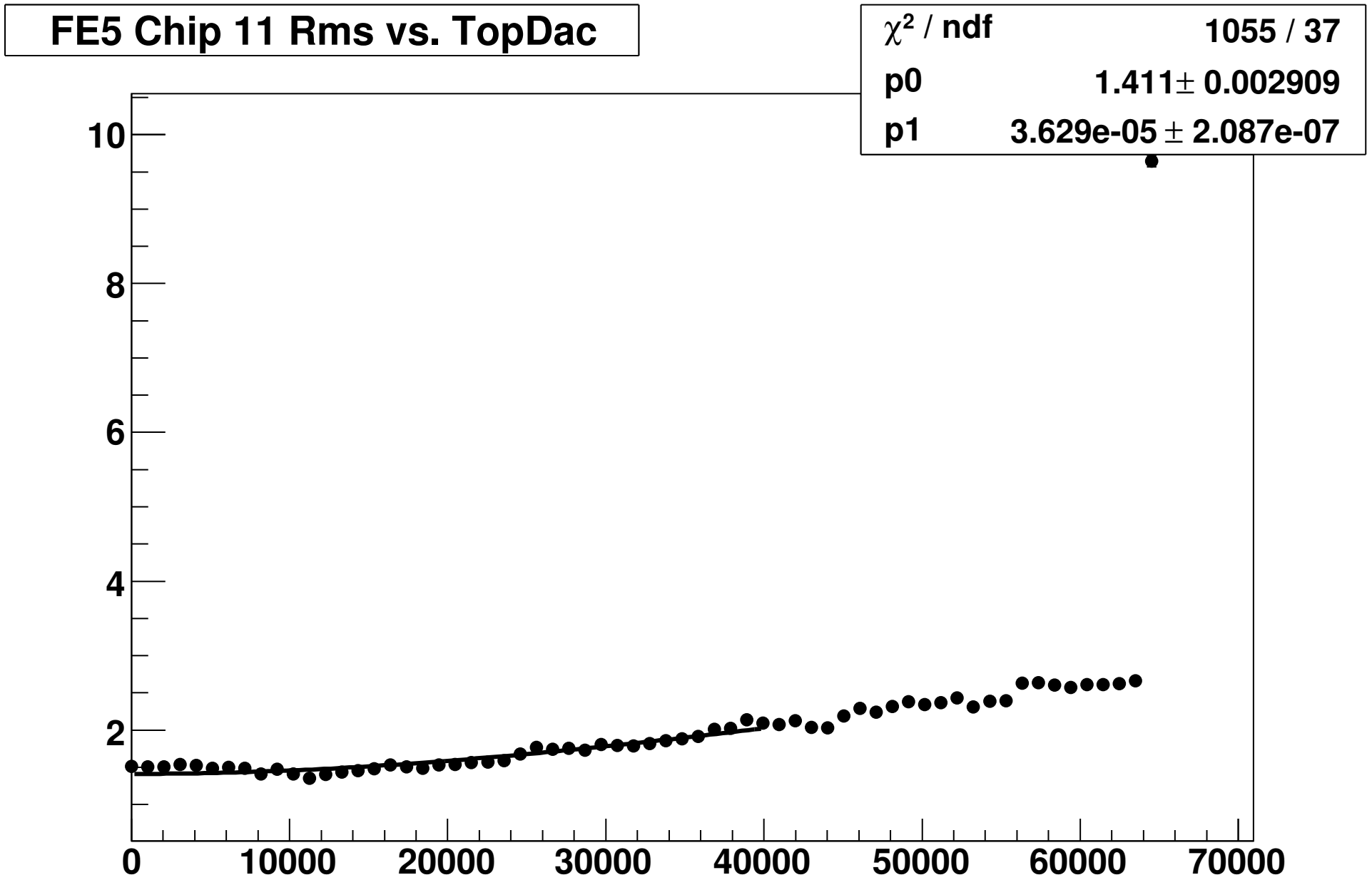
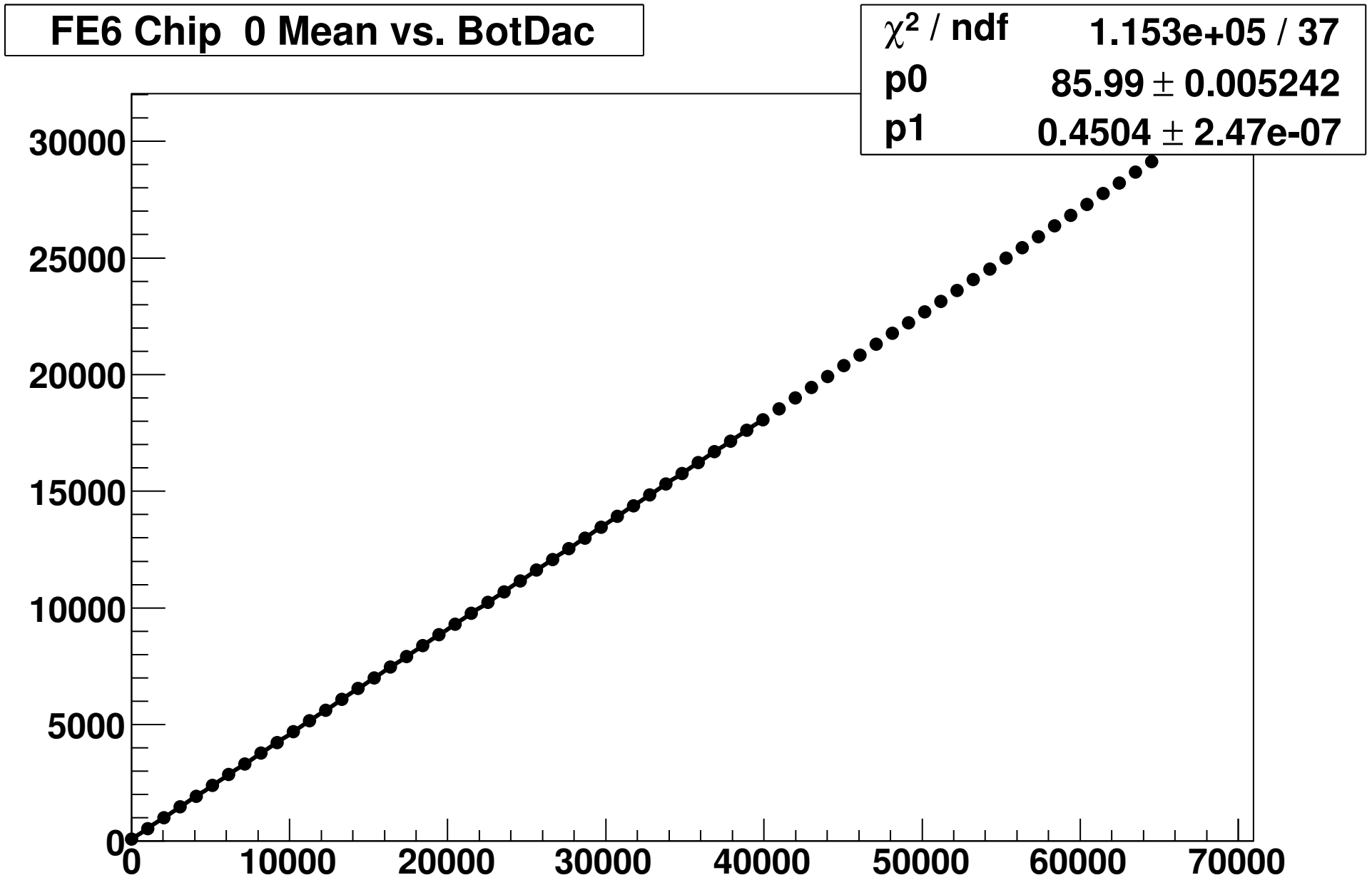
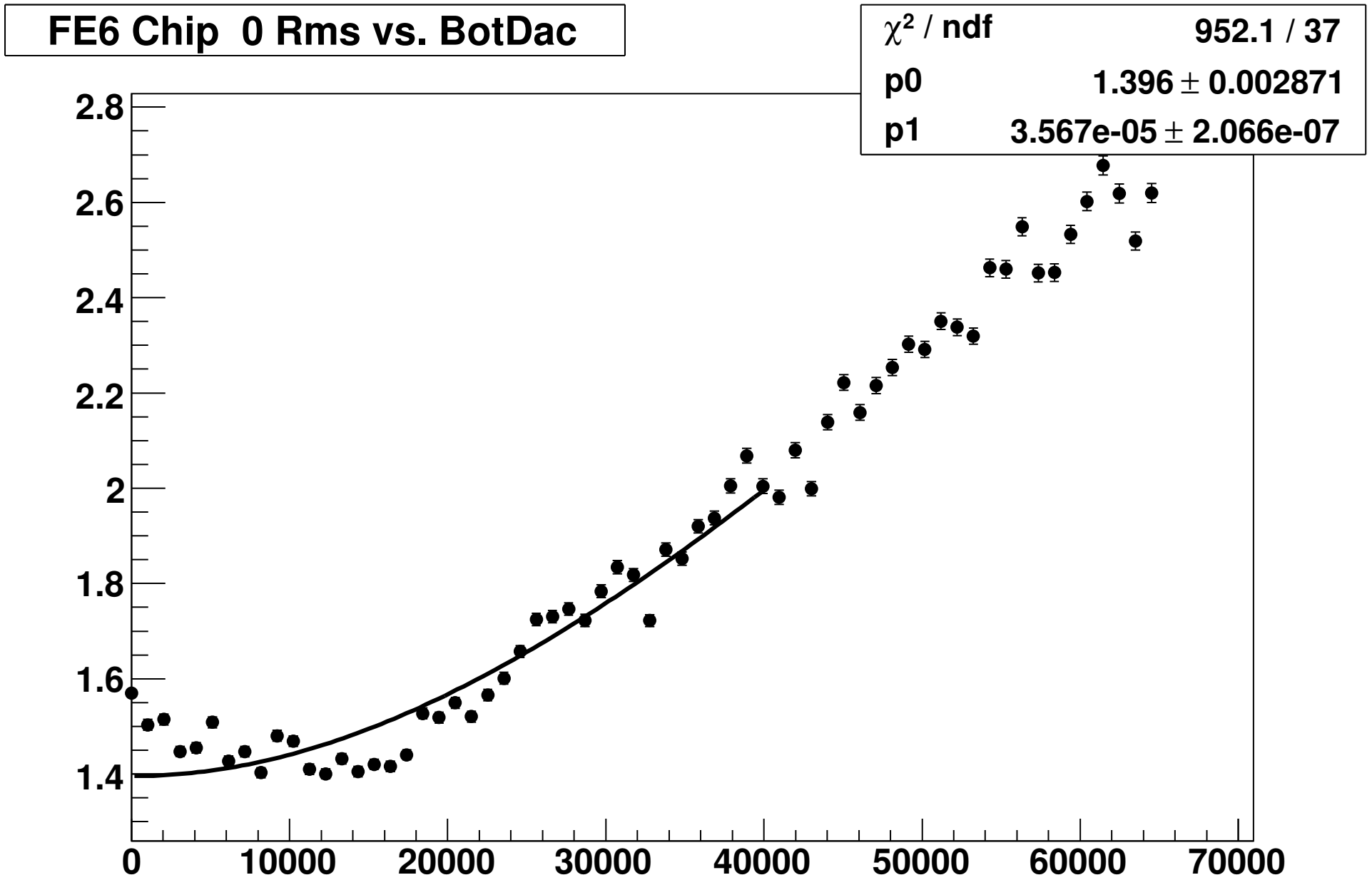

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 9.859e+04 / 37
p0 53.95 ± 0.005319
p1 0.4516 ± 2.508e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1055 / 37
p0 1.411 ± 0.002909
p1 3.629e-05 ± 2.087e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.153e+05 / 37
p0 85.99 ± 0.005242
p1 0.4504 ± 2.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 952.1 / 37
p0 1.396 ± 0.002871
p1 3.567e-05 ± 2.066e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
50000
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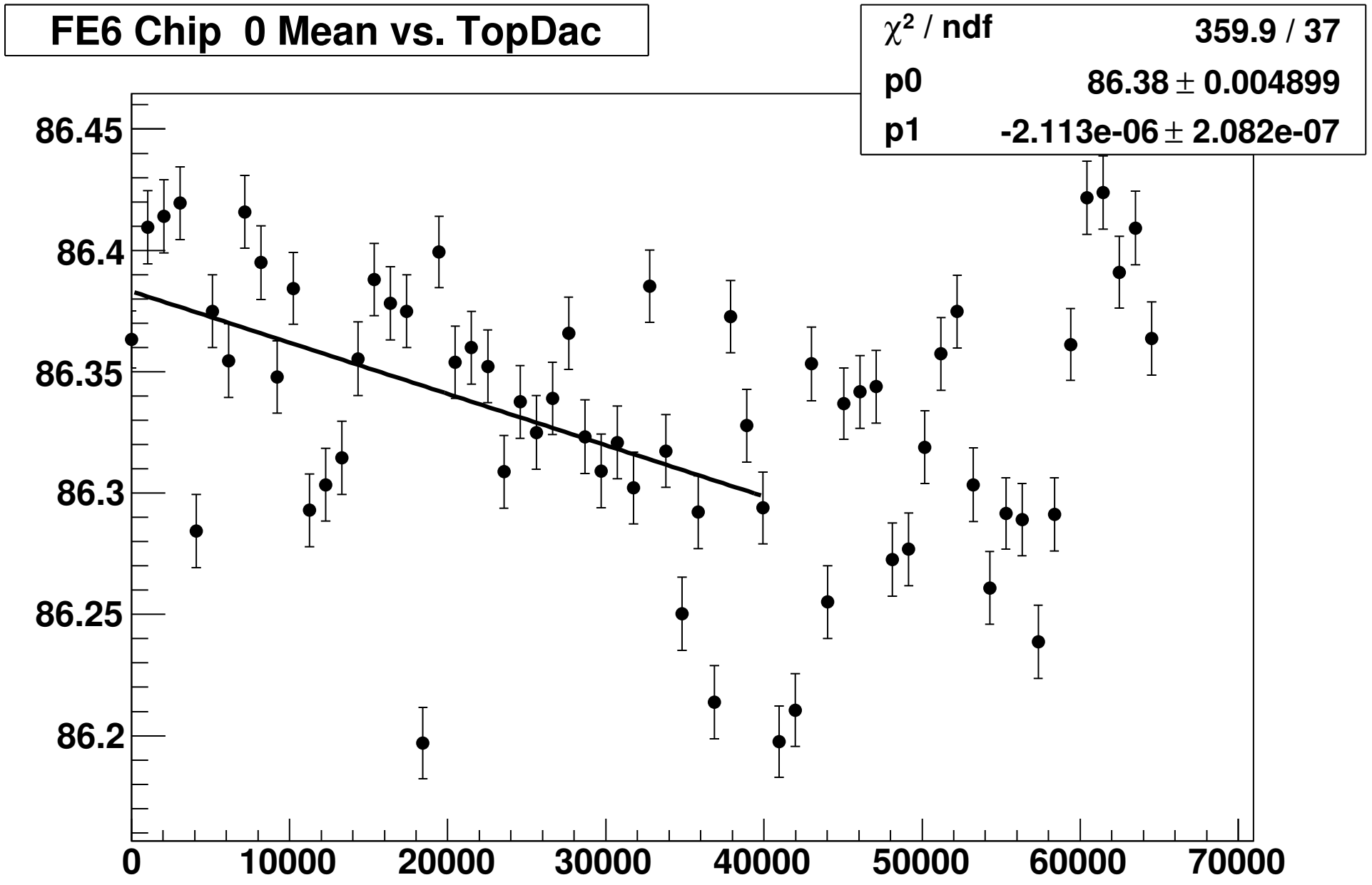
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 359.9 / 37
p0 86.38 ± 0.004899
p1 -2.113e-06 ± 2.082e-07
86.45
86.4
86.35
86.3
86.25
86.2
0
10000
20000
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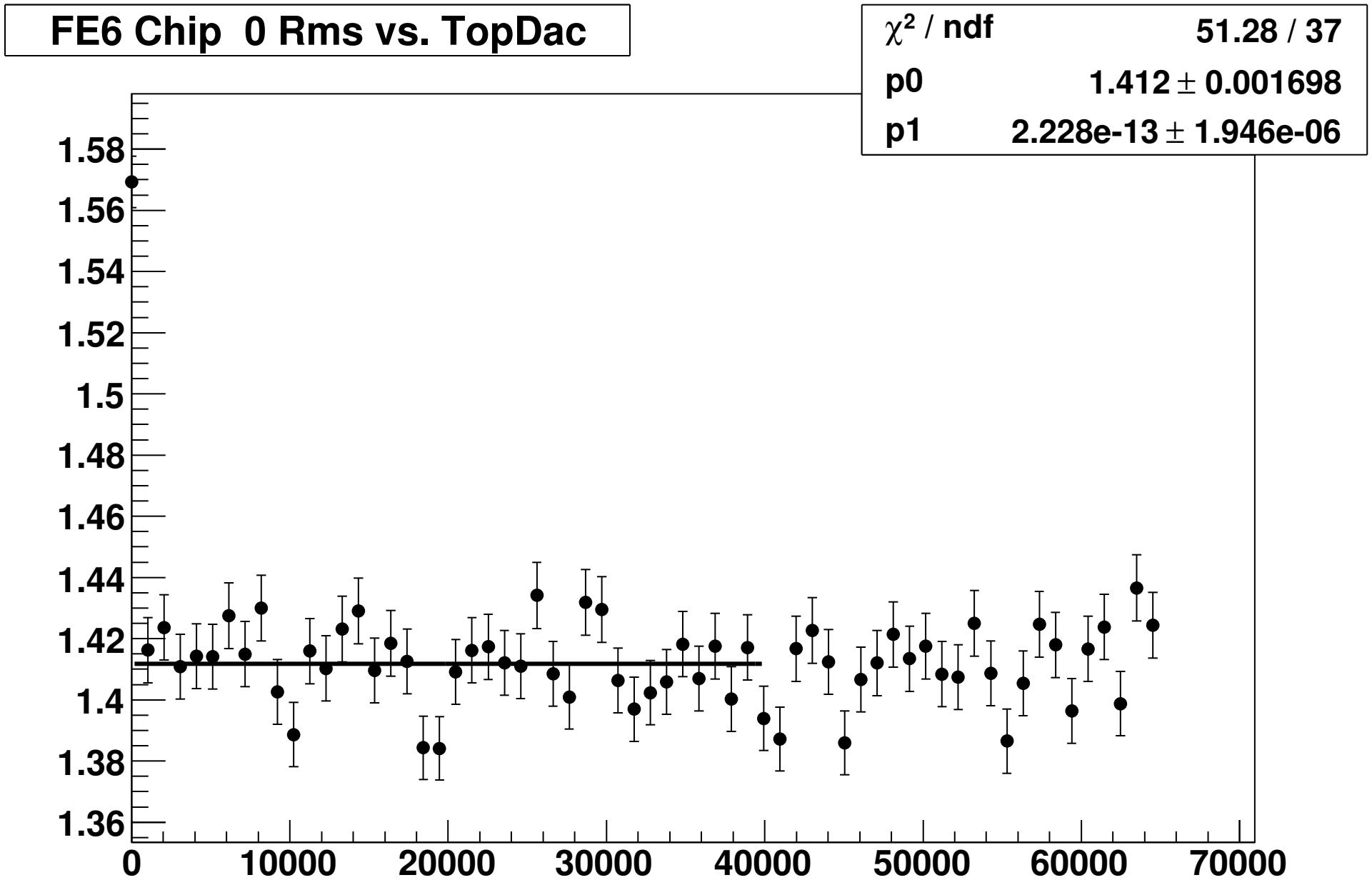
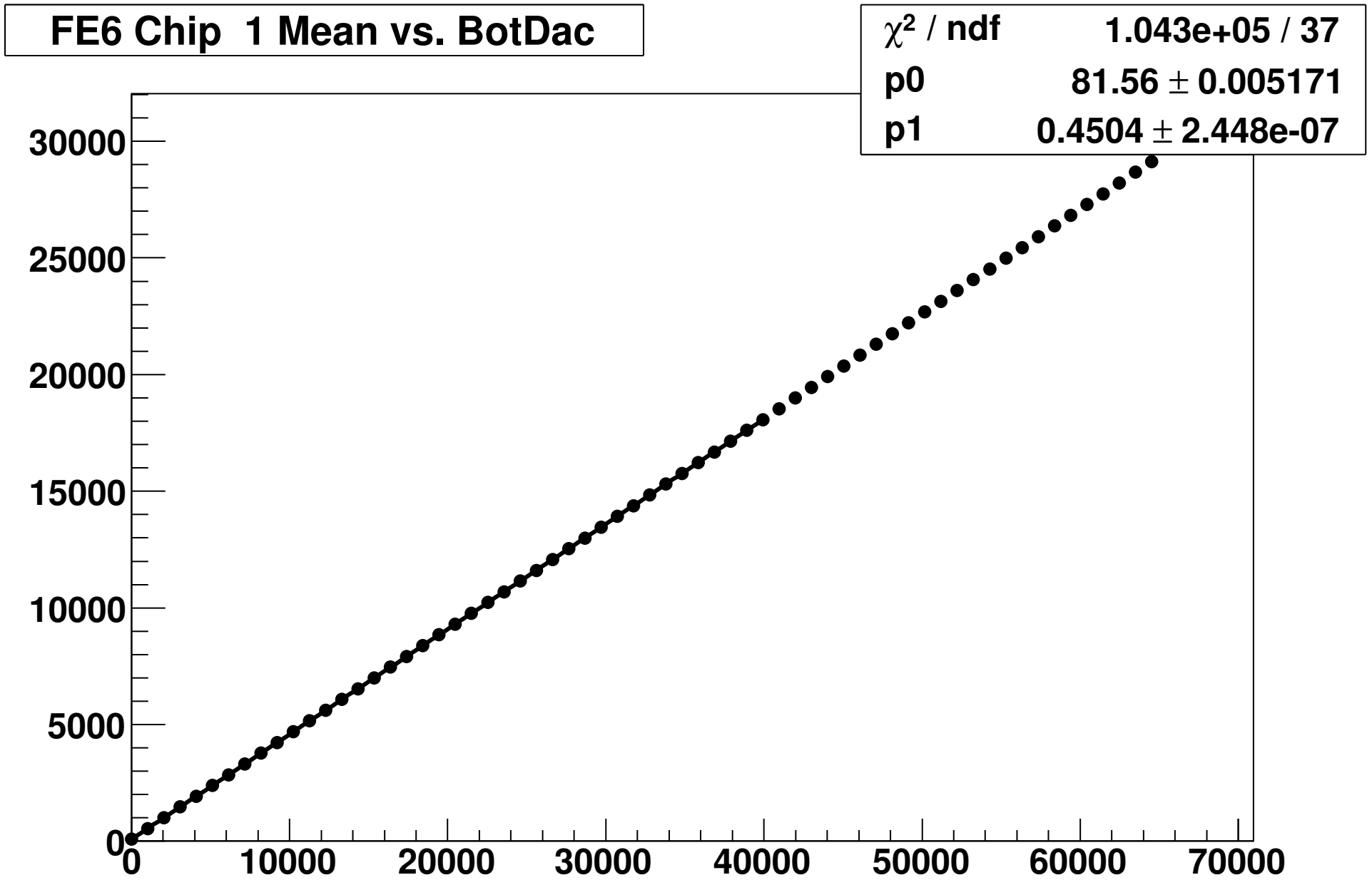
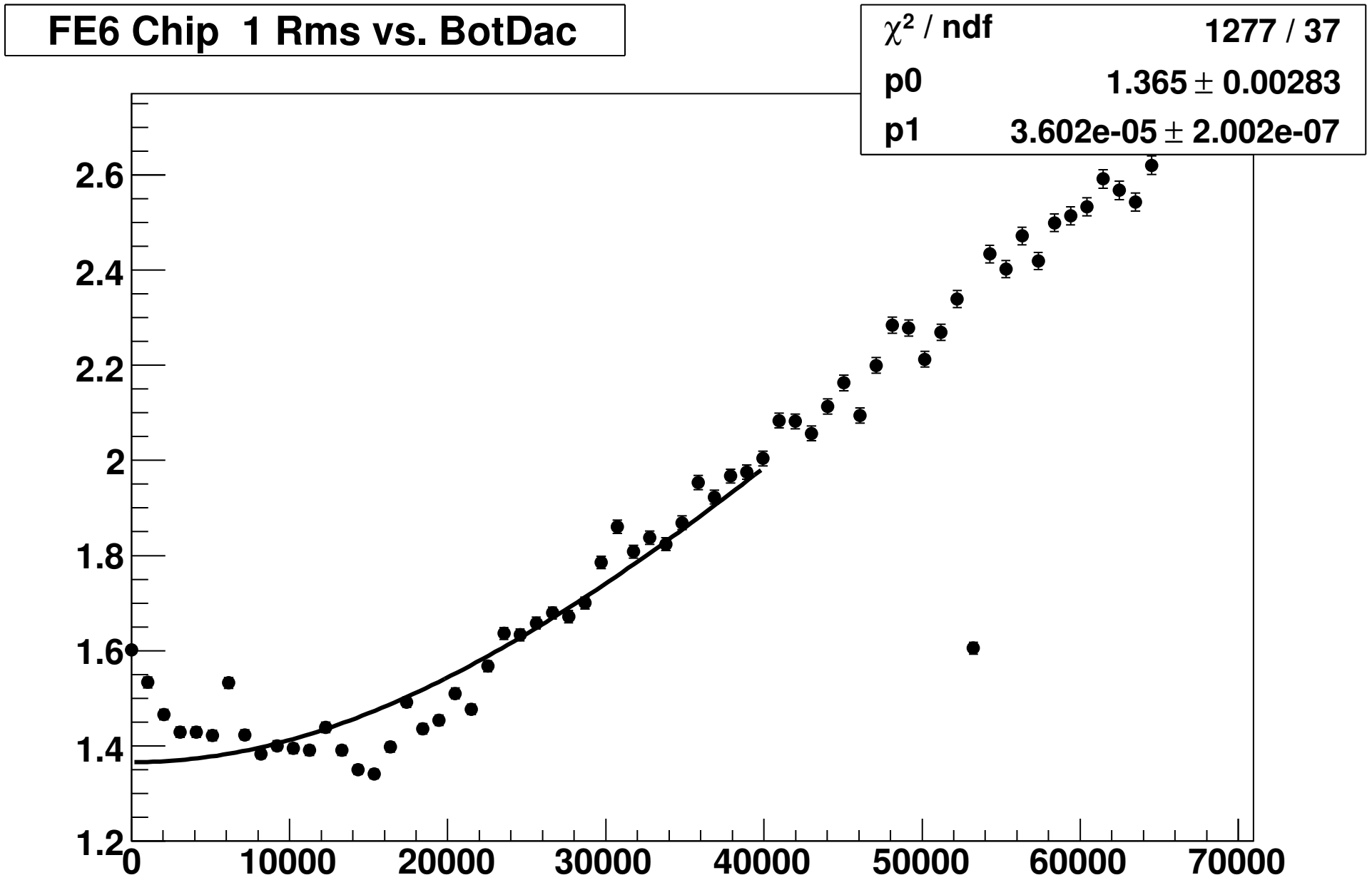
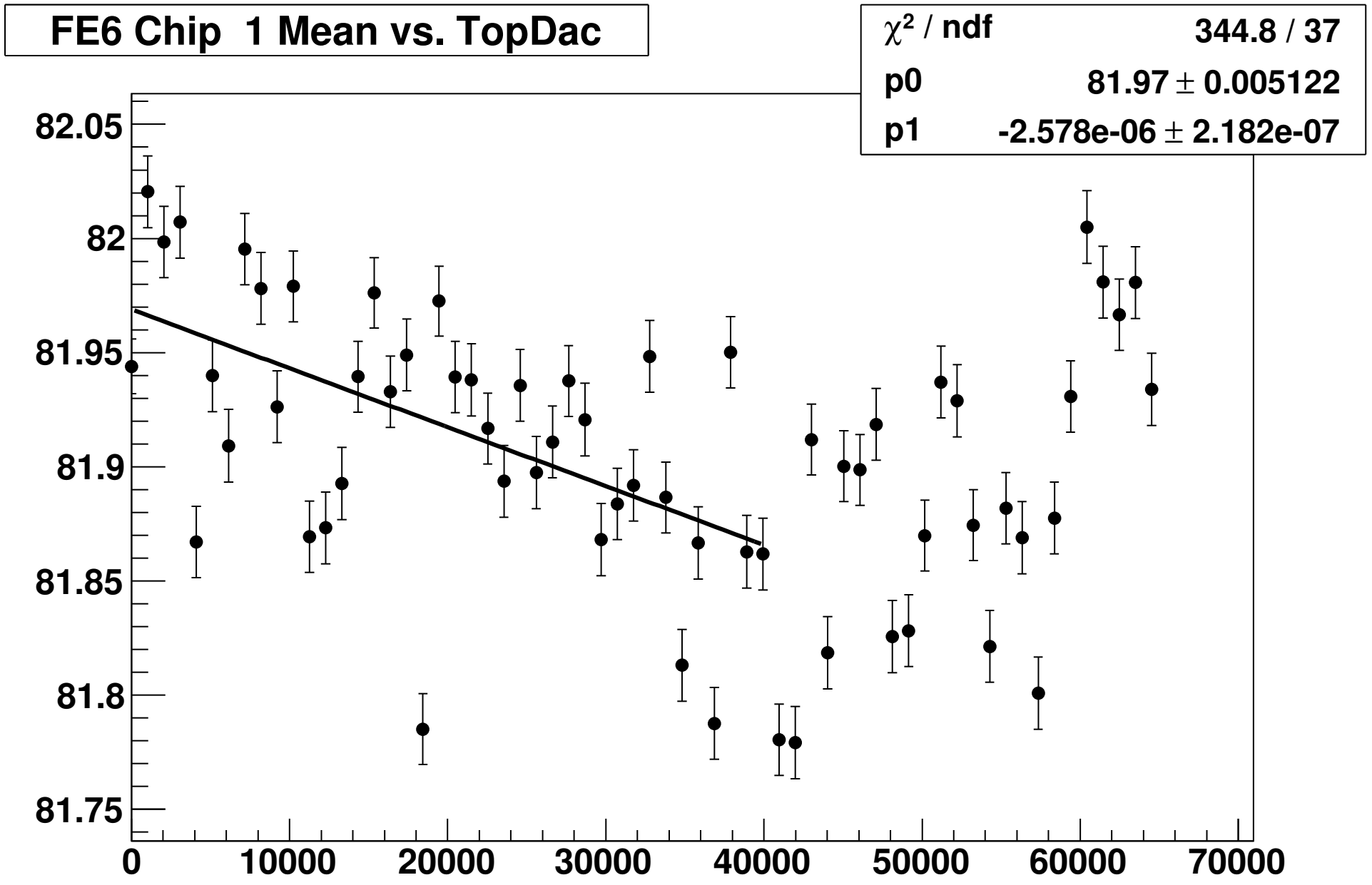
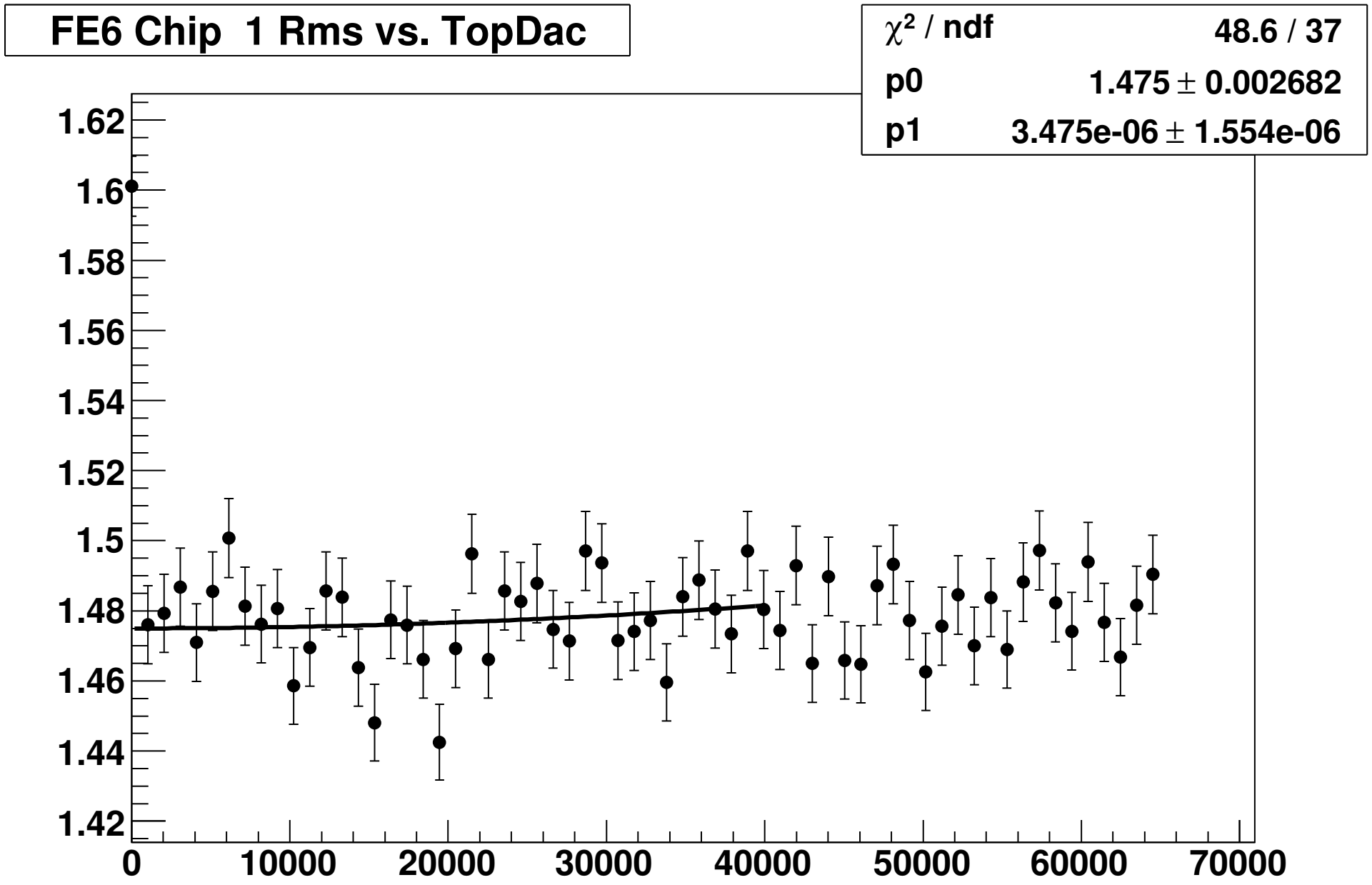

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 51.28 / 37
p0 1.412 ± 0.001698
p1 2.228e-13 ± 1.946e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.043e+05 / 37
p0 81.56 ± 0.005171
p1 0.4504 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1277 / 37
p0 1.365 ± 0.00283
p1 3.602e-05 ± 2.002e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 344.8 / 37
p0 81.97 ± 0.005122
p1 -2.578e-06 ± 2.182e-07
82.05
82
81.95
81.9
81.85
81.8
81.75
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 48.6 / 37
p0 1.475 ± 0.002682
p1 3.475e-06 ± 1.554e-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
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40000
50000
60000
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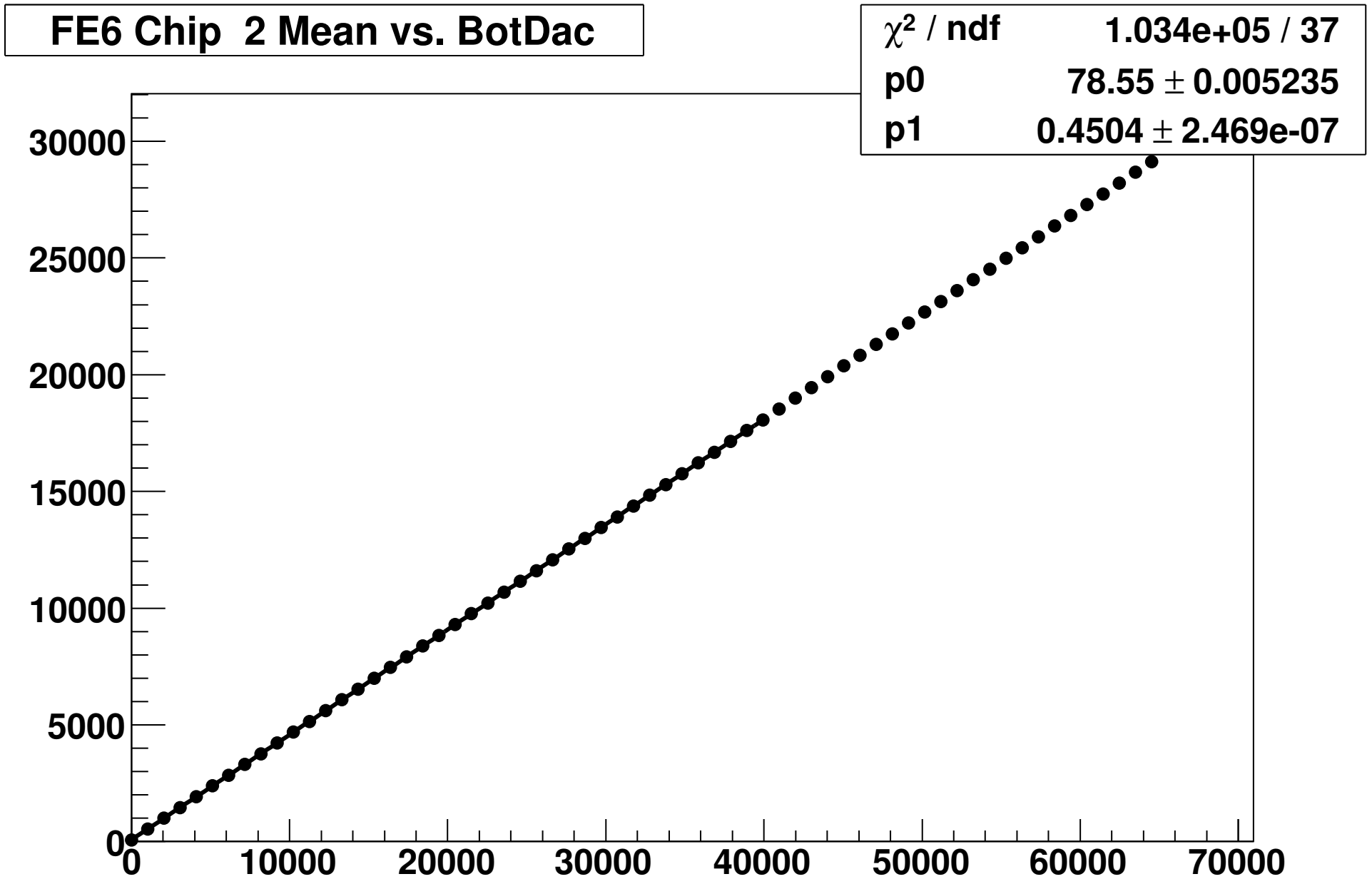
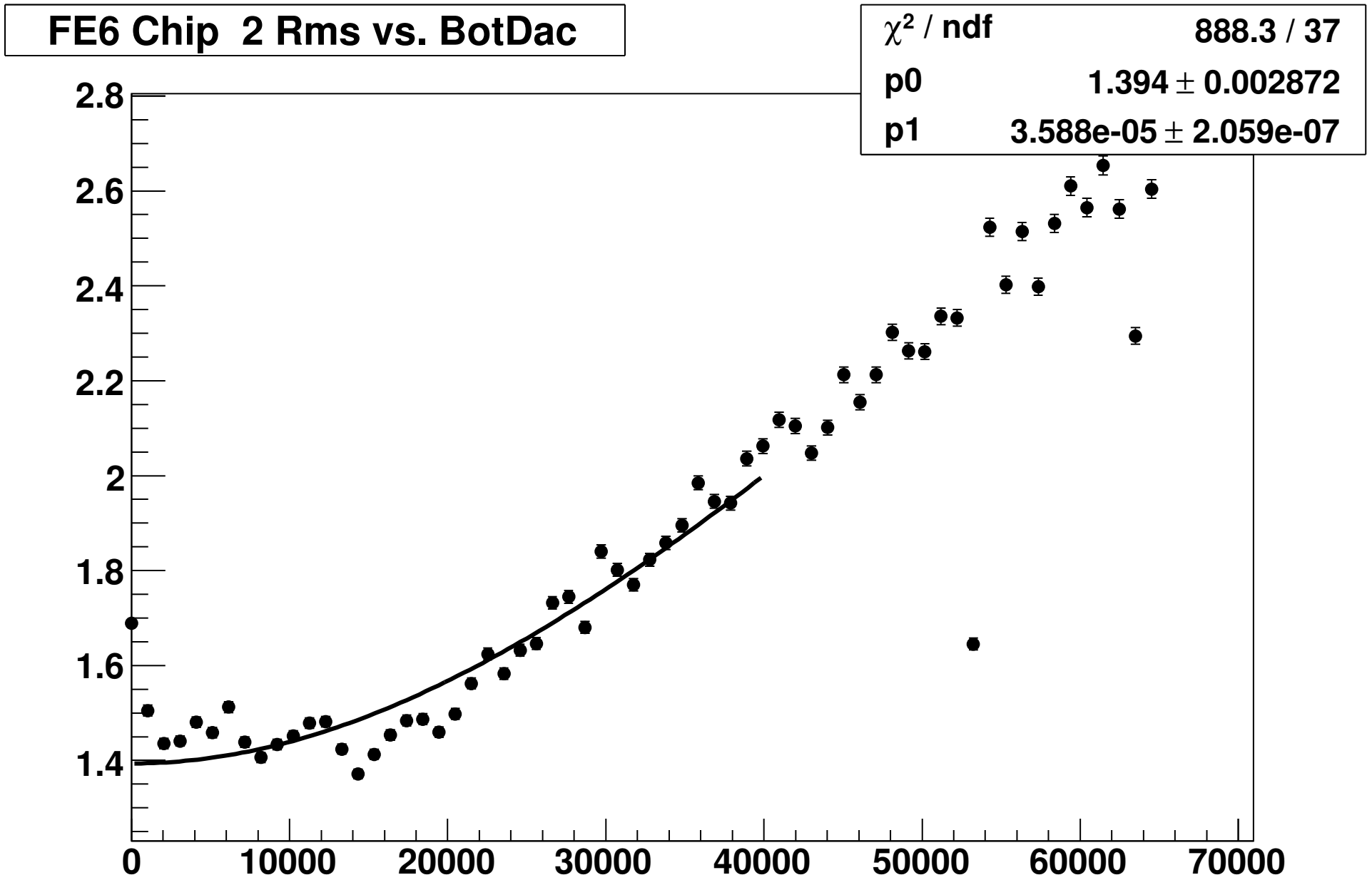
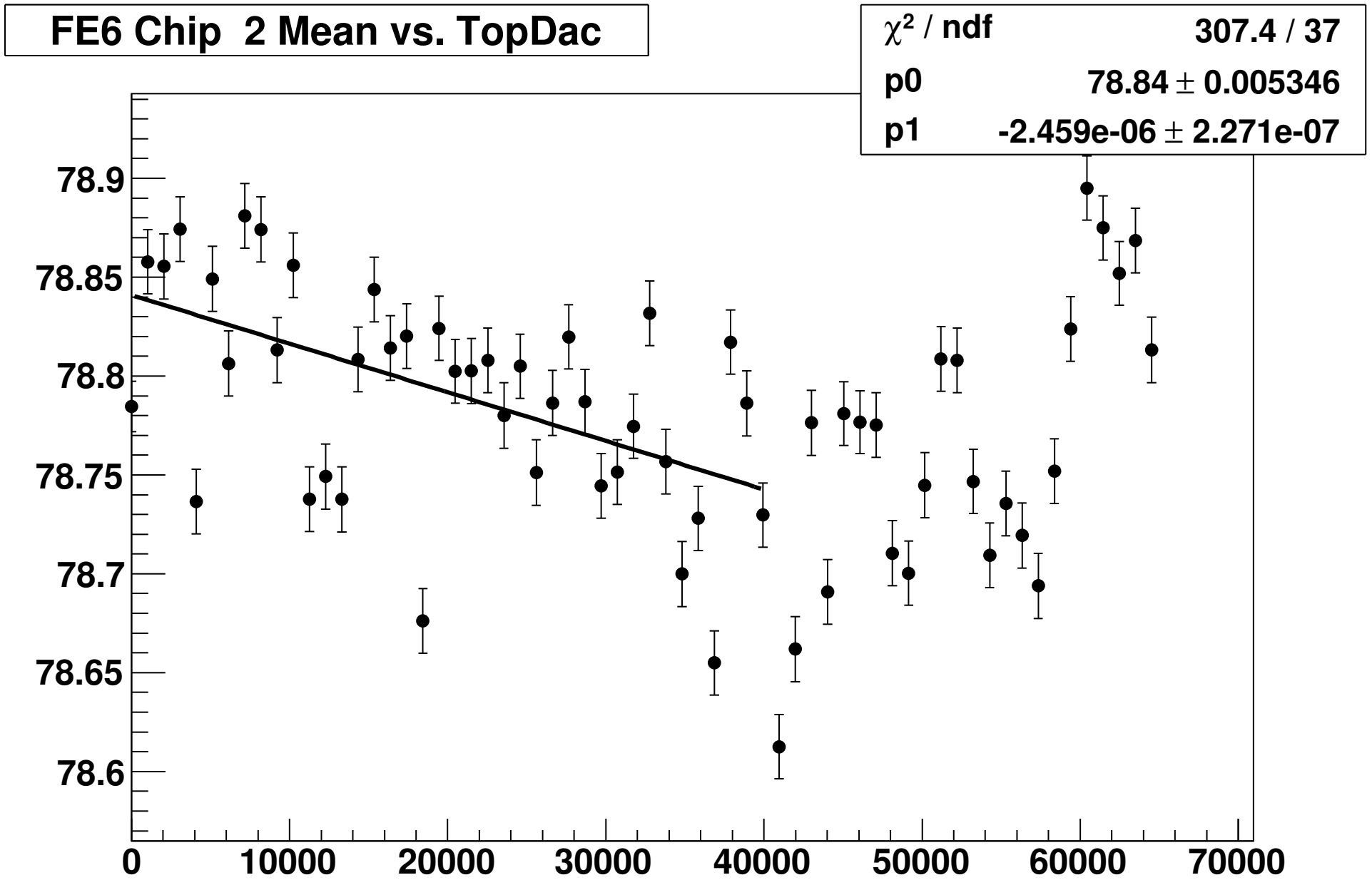
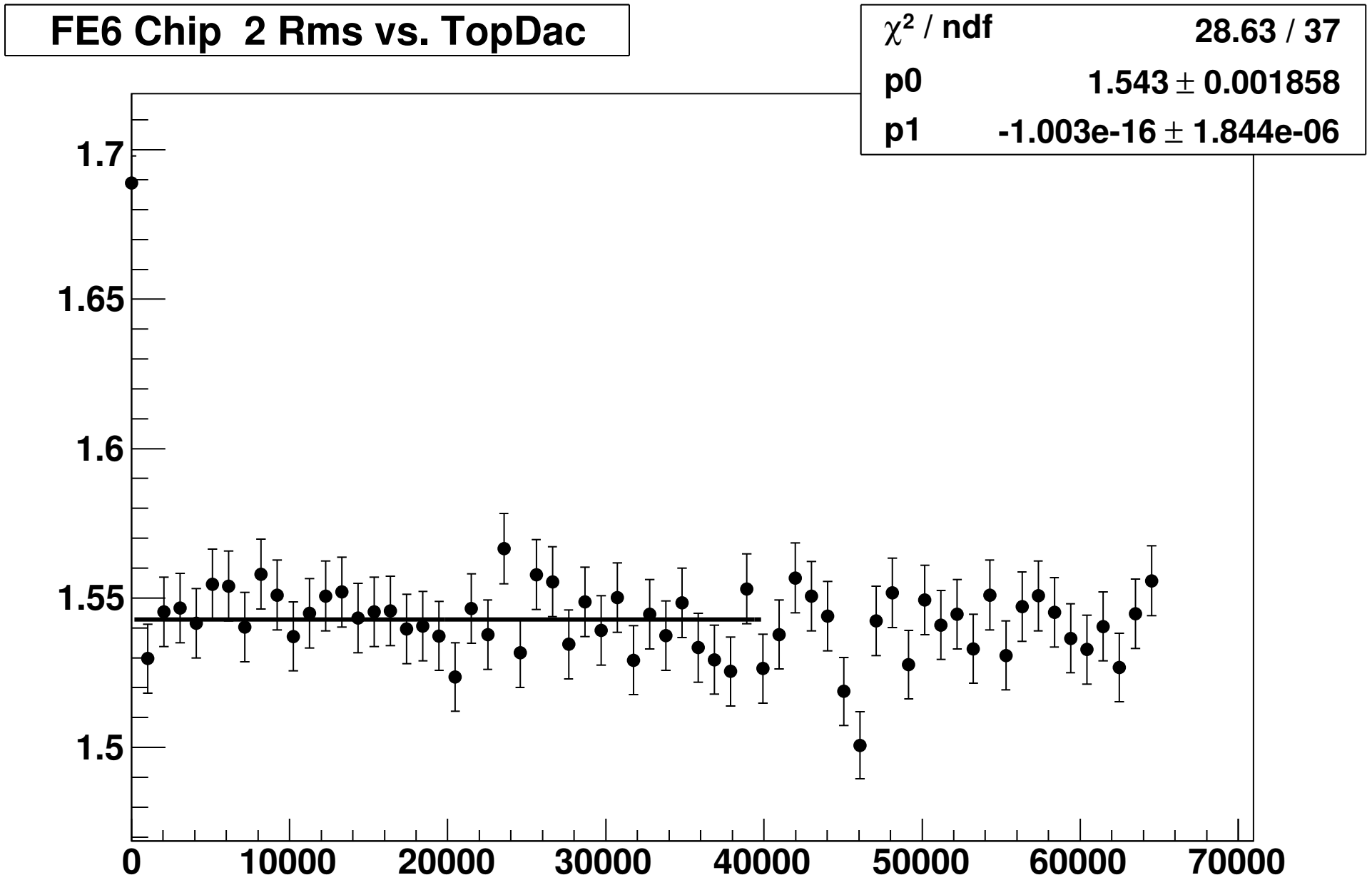
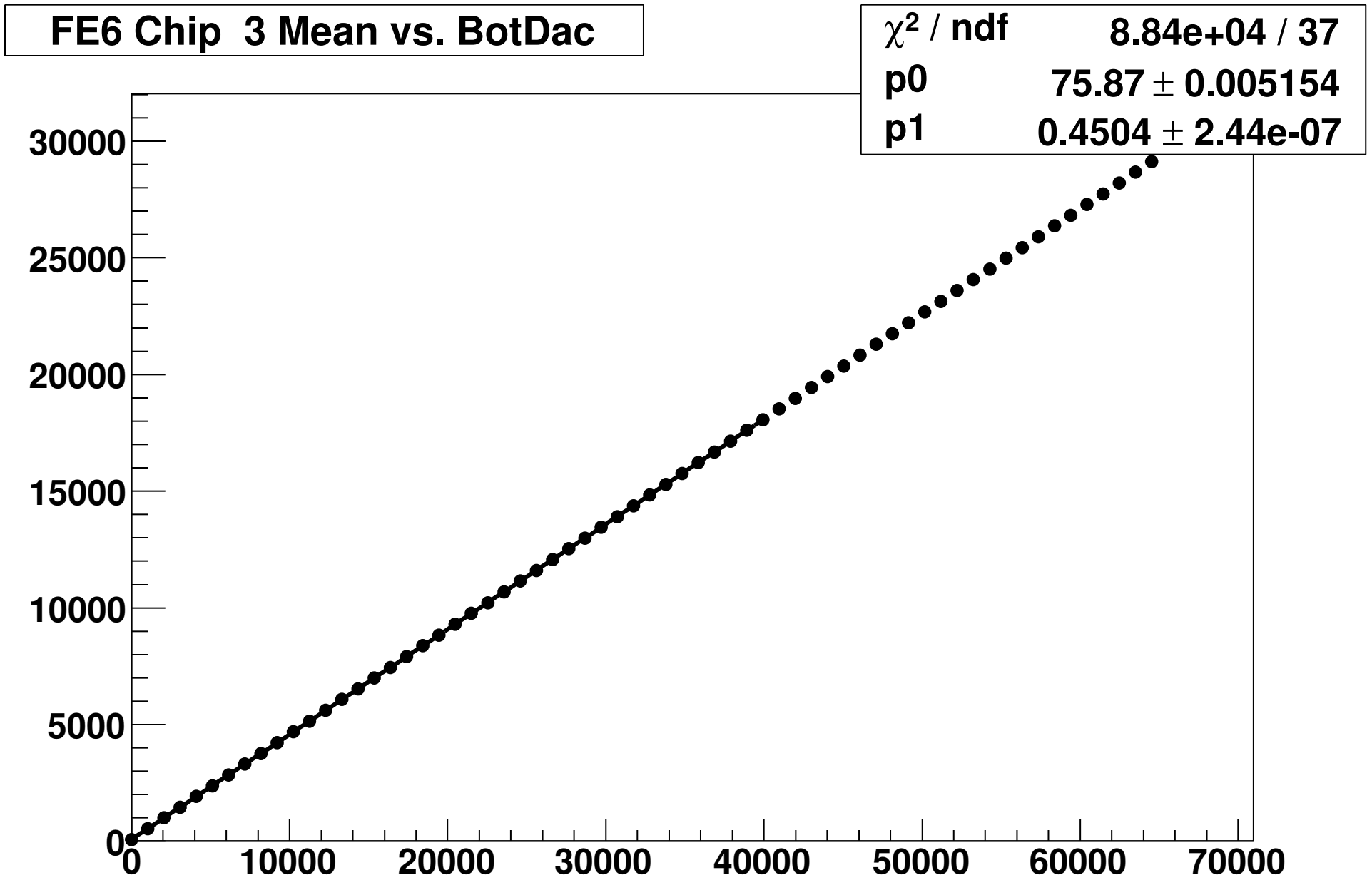
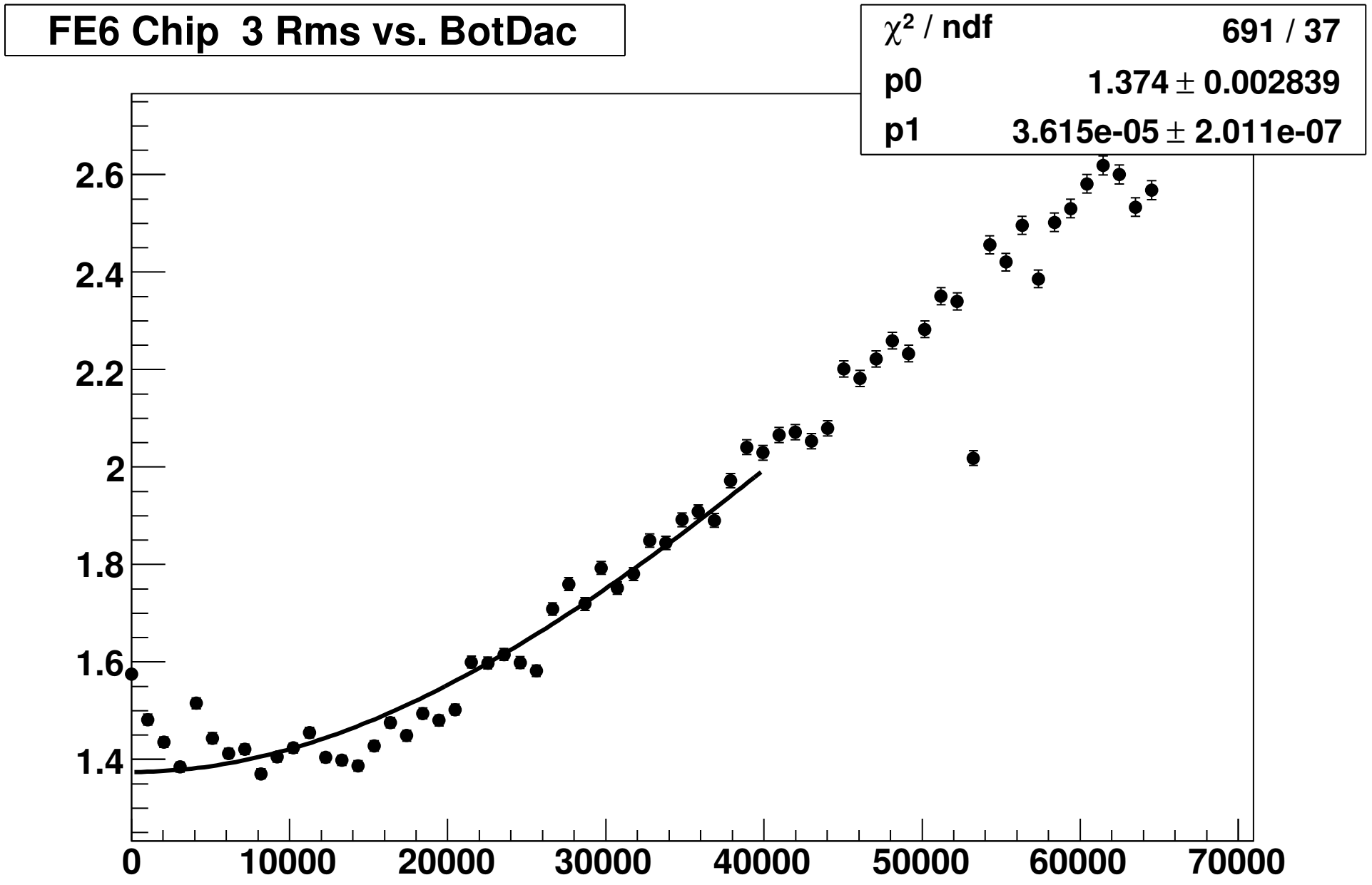

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.034e+05 / 37
p0 78.55 ± 0.005235
p1 0.4504 ± 2.469e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

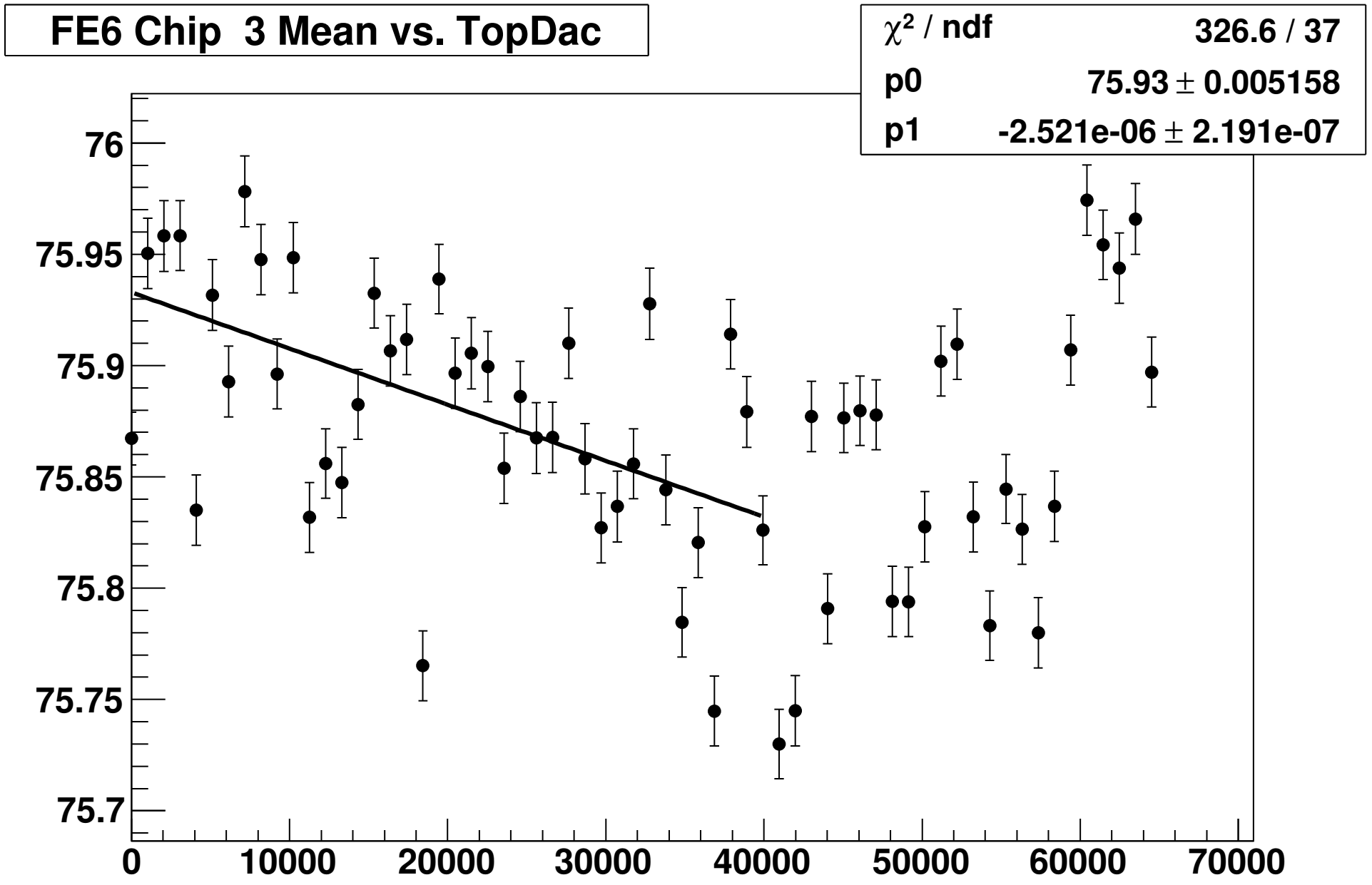

FE6 Chip 2 Rms vs. BotDac
χ² / ndf 888.3 / 37
p0 1.394 ± 0.002872
p1 3.588e-05 ± 2.059e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

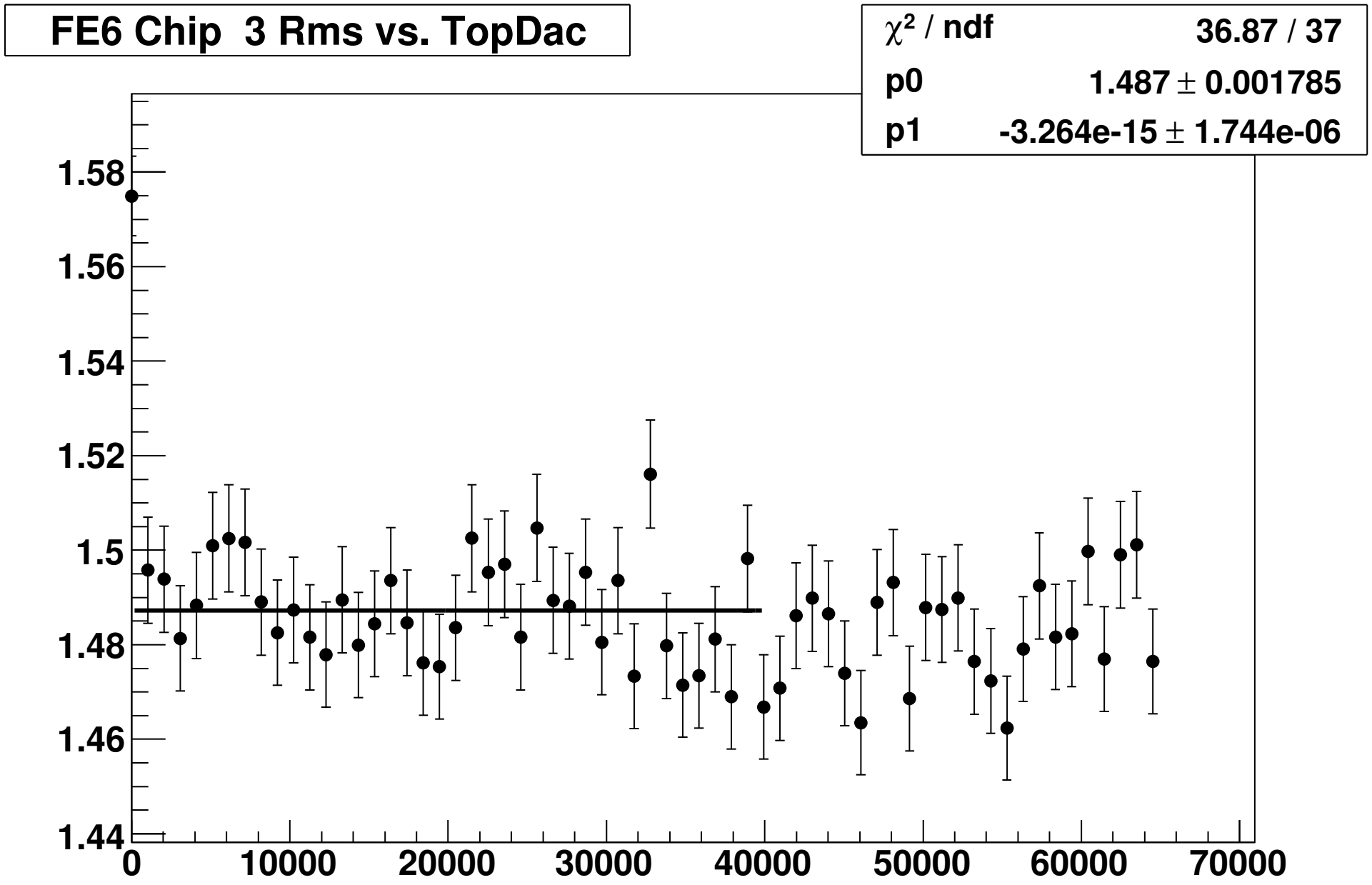

FE6 Chip 2 Mean vs. TopDac
χ² / ndf 307.4 / 37
p0 78.84 ± 0.005346
p1 -2.459e-06 ± 2.271e-07
78.9
78.85
78.8
78.75
78.7
78.65
78.6
0
10000
20000
30000
40000
50000
60000
70000

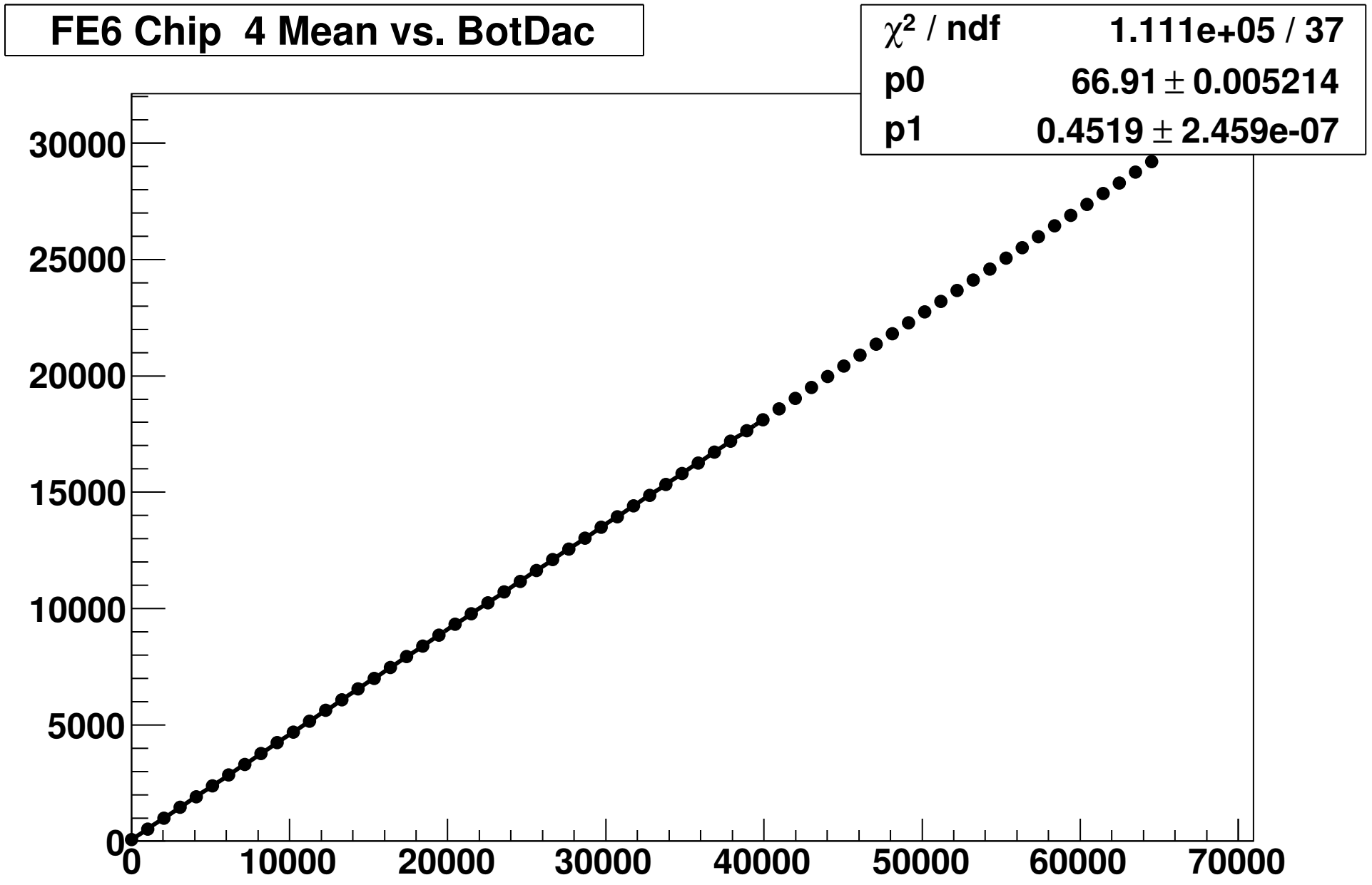

FE6 Chip 2 Rms vs. TopDac
χ² / ndf 28.63 / 37
p0 1.543 ± 0.001858
p1 -1.003e-16 ± 1.844e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000

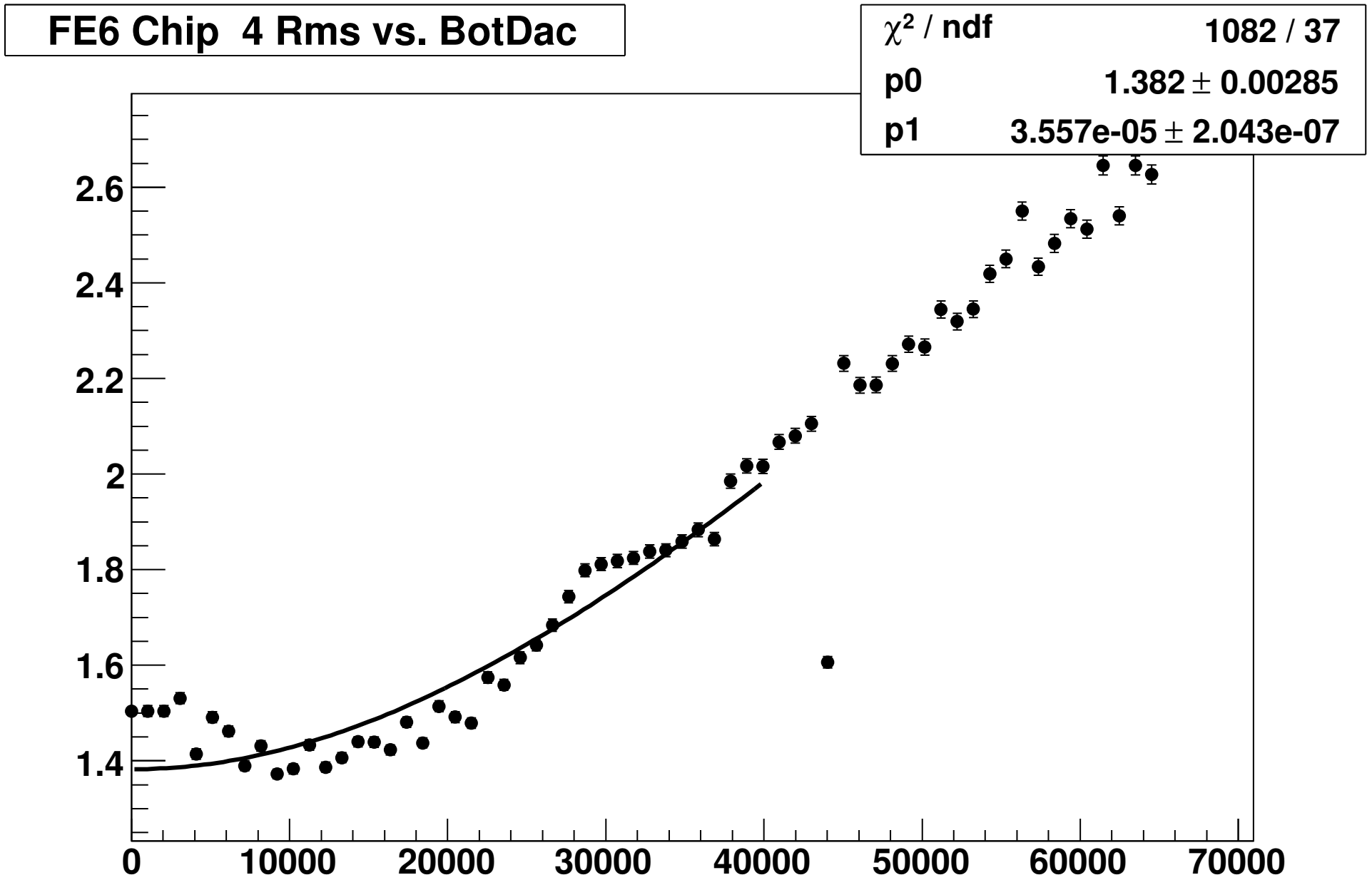

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 8.84e+04 / 37
p0 75.87 ± 0.005154
p1 0.4504 ± 2.44e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

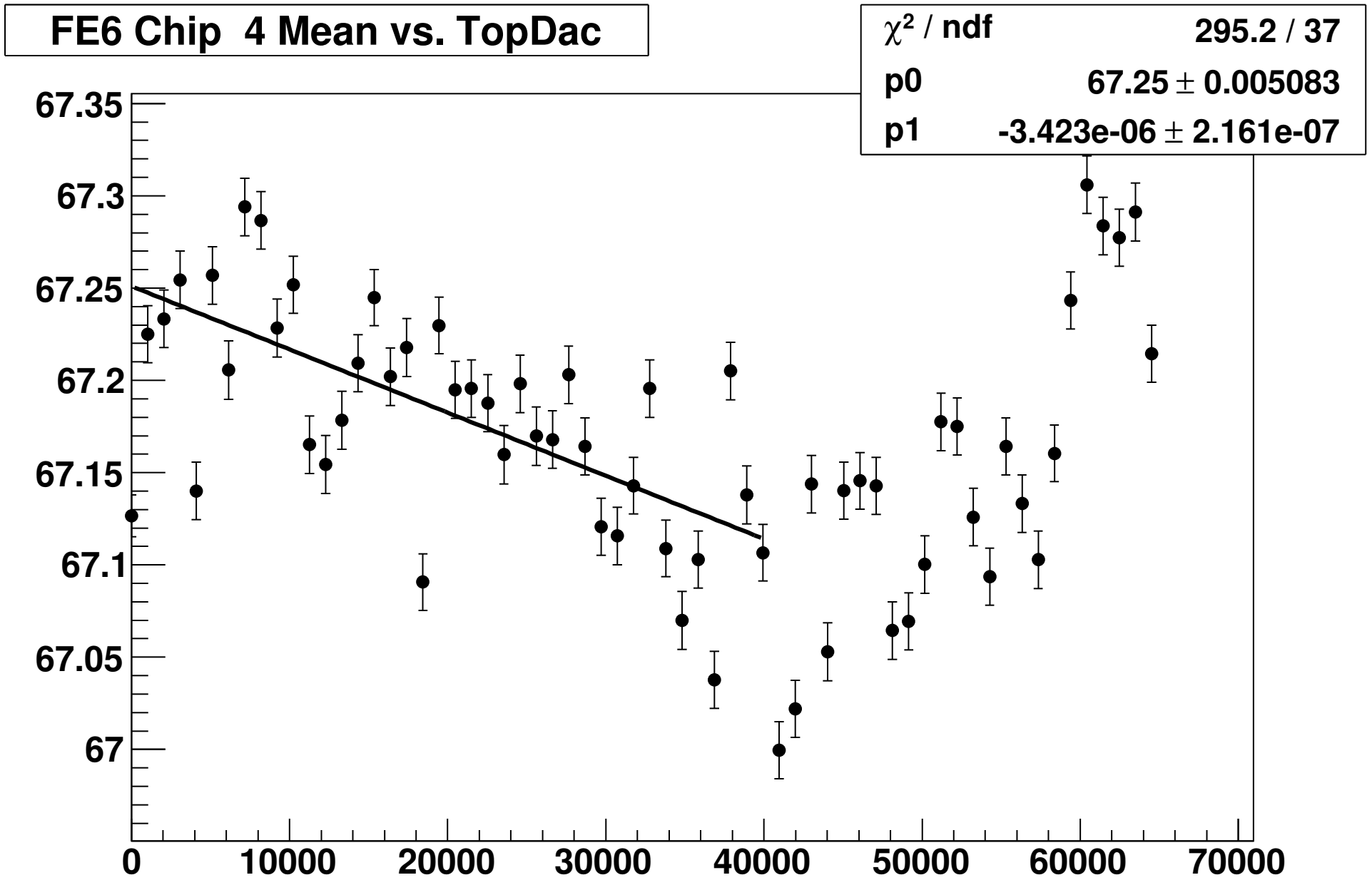

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 691 / 37
p0 1.374 ± 0.002839
p1 3.615e-05 ± 2.011e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

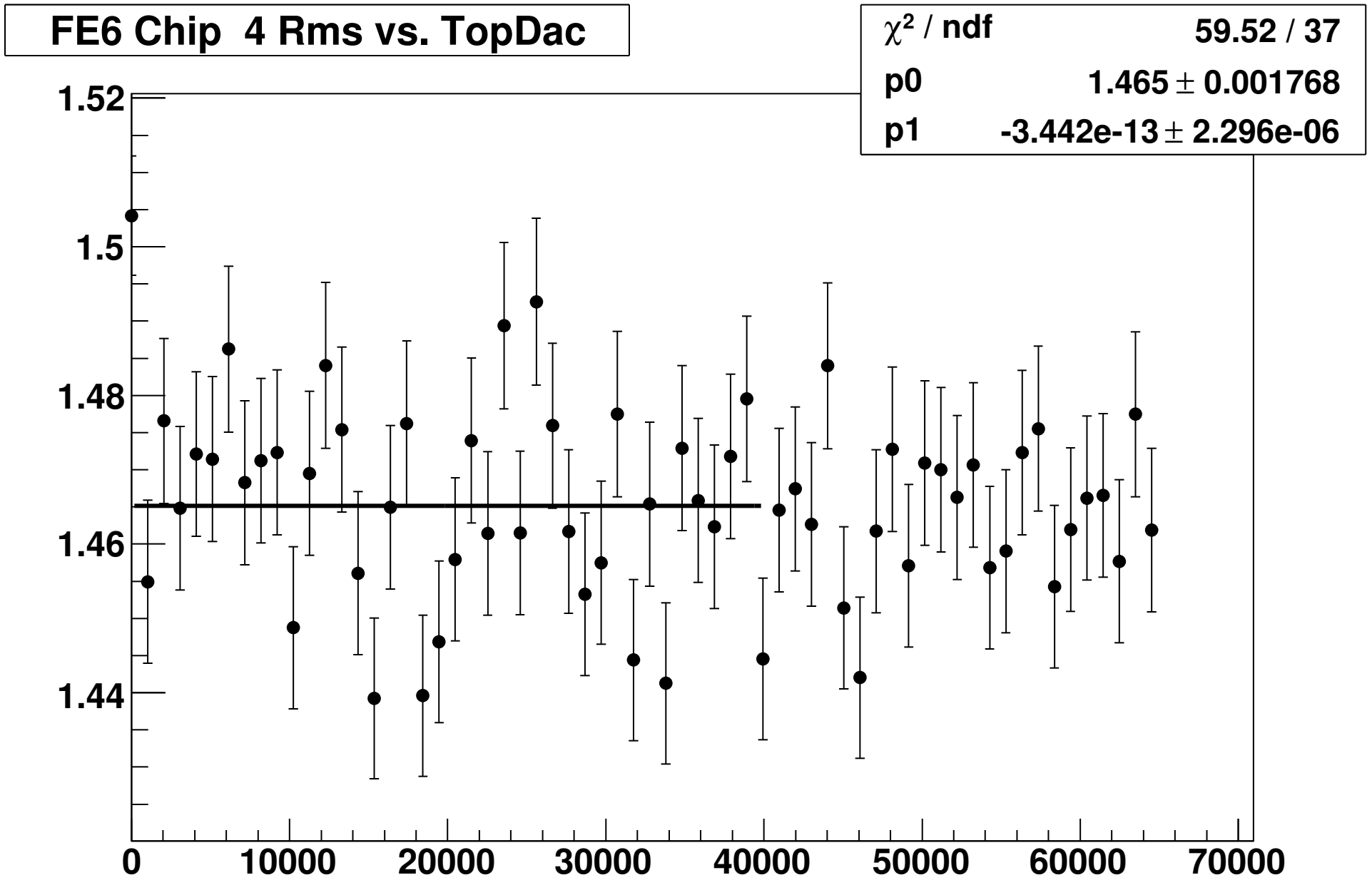

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 326.6 / 37
p0 75.93 ± 0.005158
p1 -2.521e-06 ± 2.191e-07
76
75.95
75.9
75.85
75.8
75.75
75.7
0
10000
20000
30000
40000
50000
60000
70000

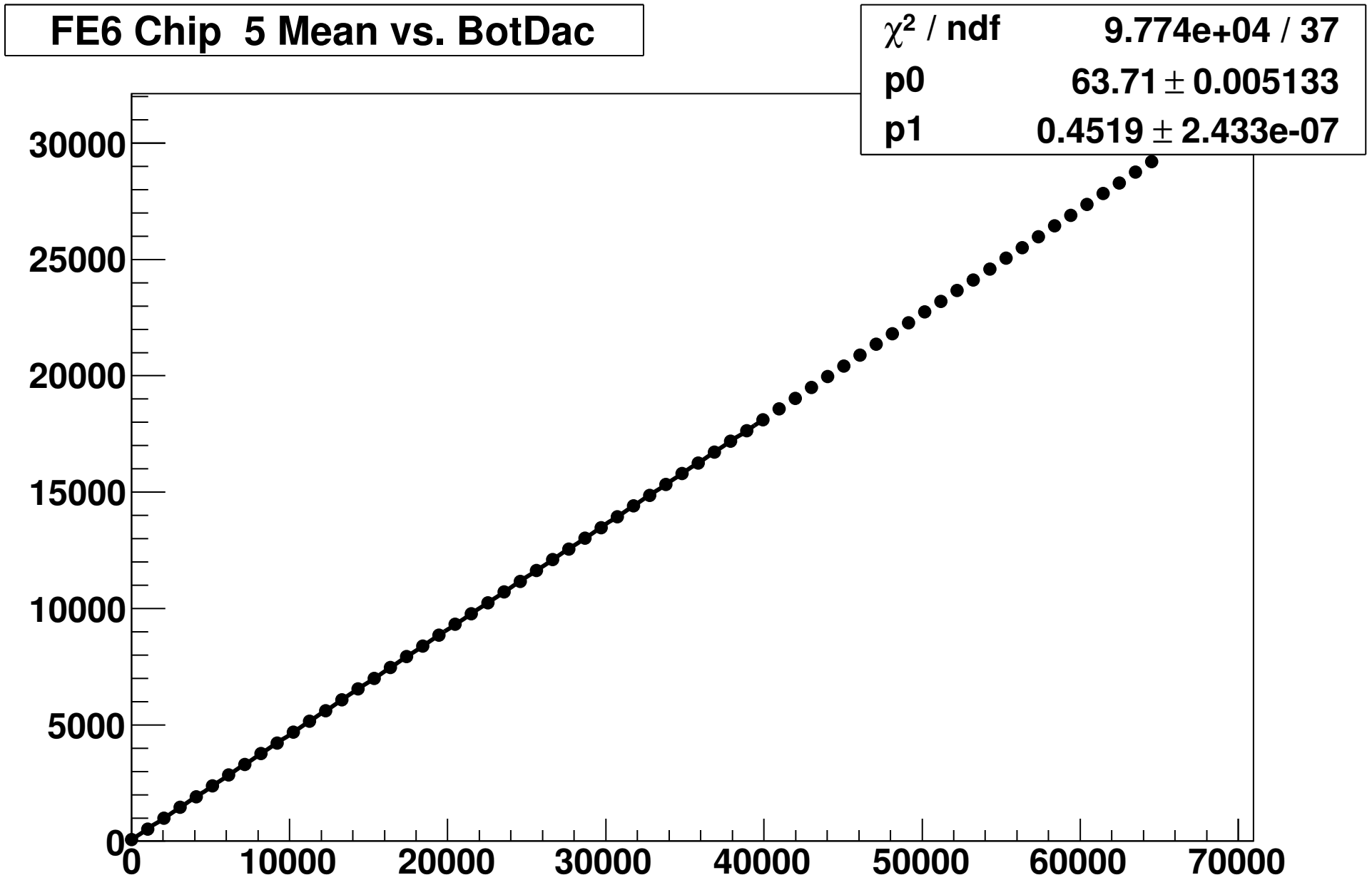

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 36.87 / 37
p0 1.487 ± 0.001785
p1 -3.264e-15 ± 1.744e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

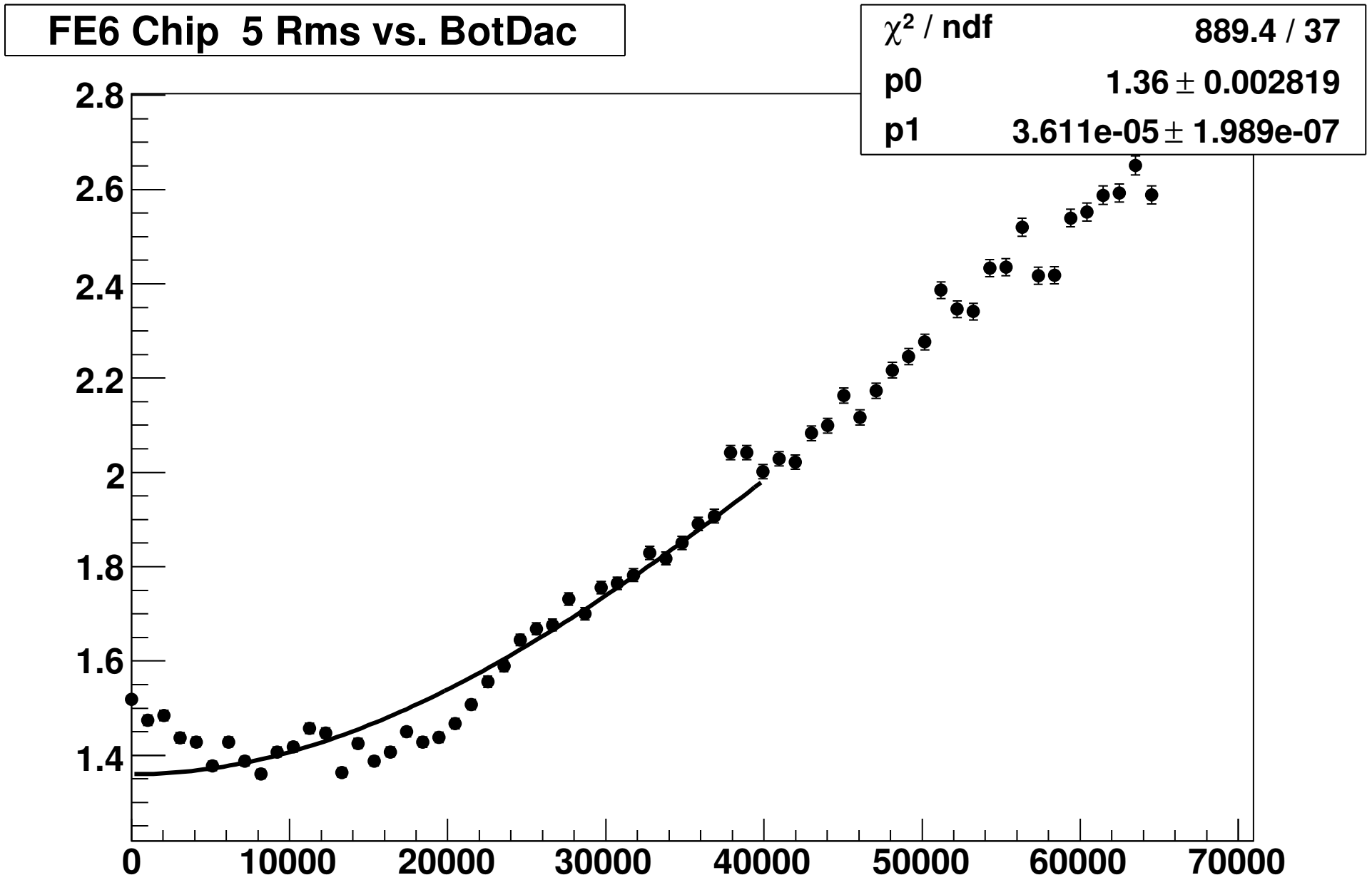

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.111e+05 / 37
p0 66.91 ± 0.005214
p1 0.4519 ± 2.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

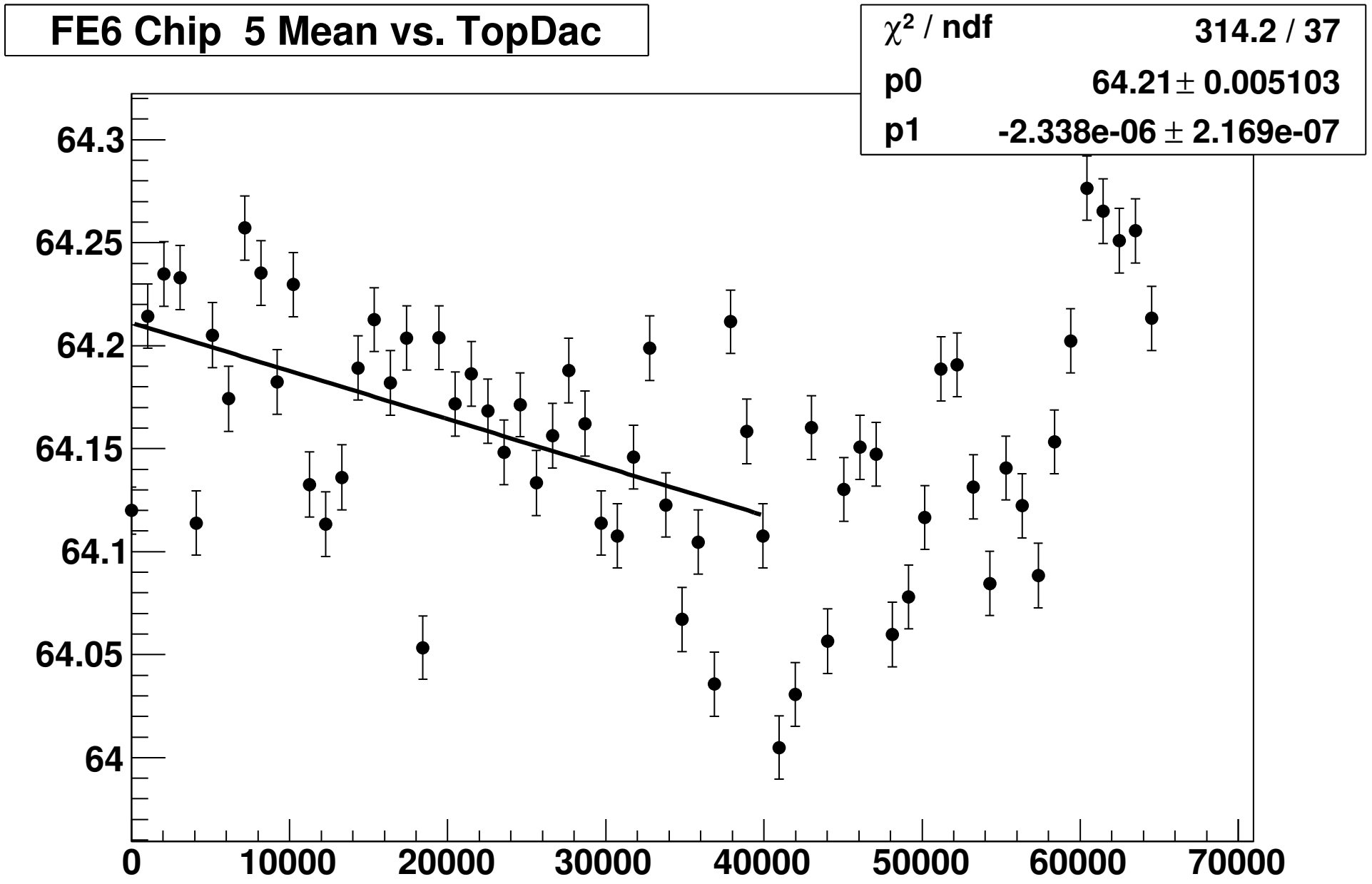

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1082 / 37
p0 1.382 ± 0.00285
p1 3.557e-05 ± 2.043e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

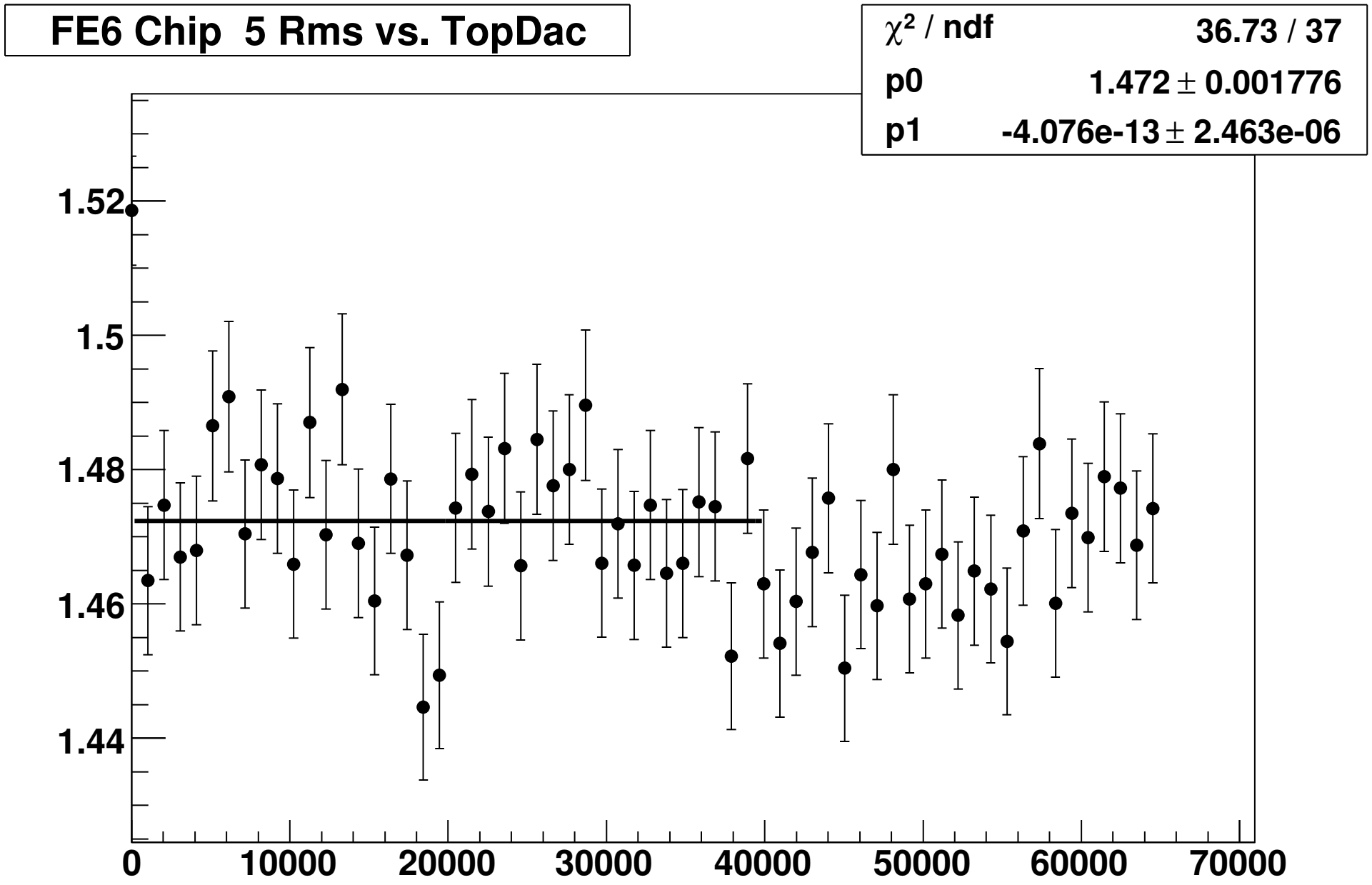

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 295.2 / 37
p0 67.25 ± 0.005083
p1 -3.423e-06 ± 2.161e-07
67.35
67.3
67.25
67.2
67.15
67.1
67.05
67
0
10000
20000
30000
40000
50000
60000
70000

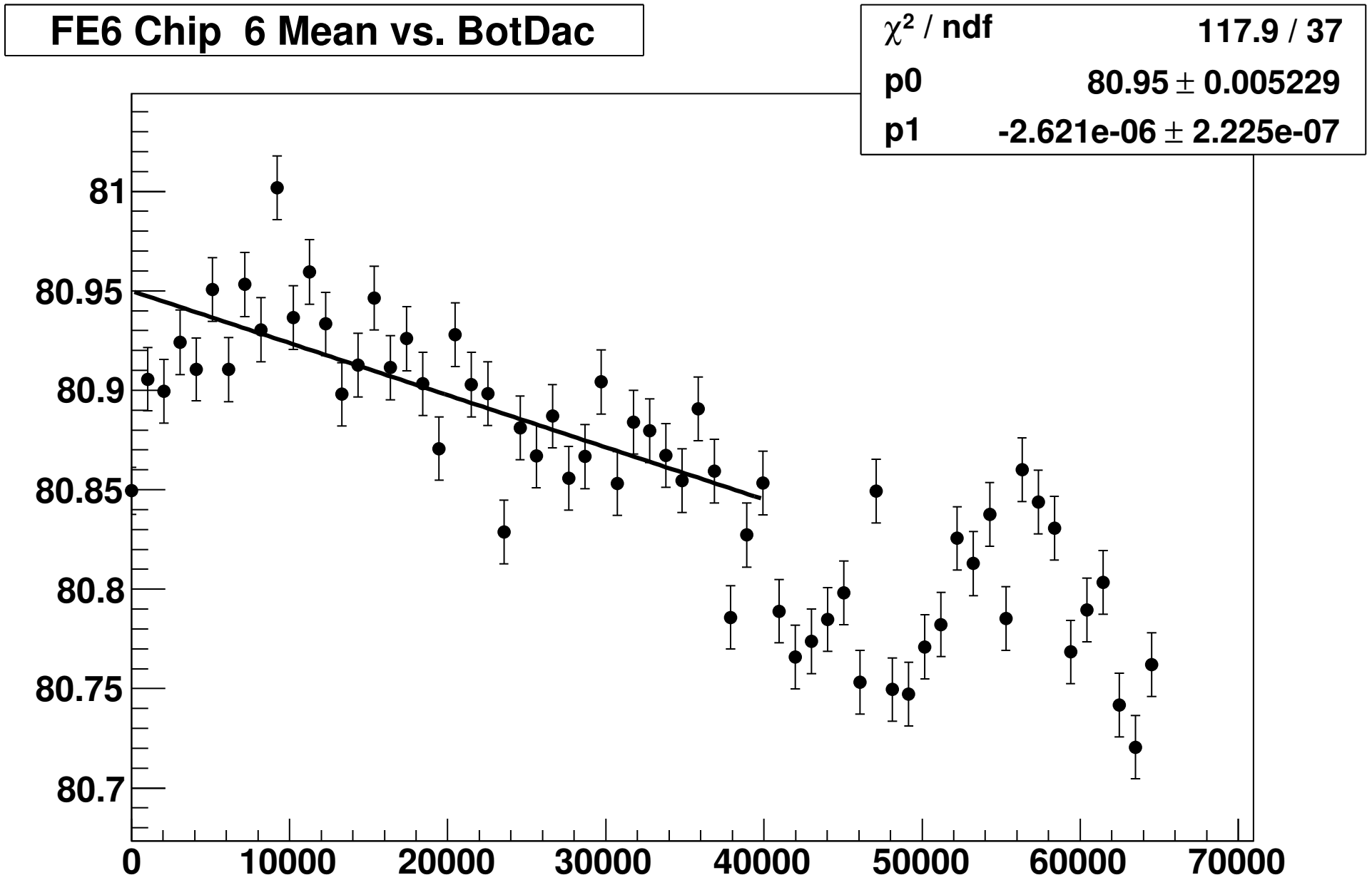

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 59.52 / 37
p0 1.465 ± 0.001768
p1 -3.442e-13 ± 2.296e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

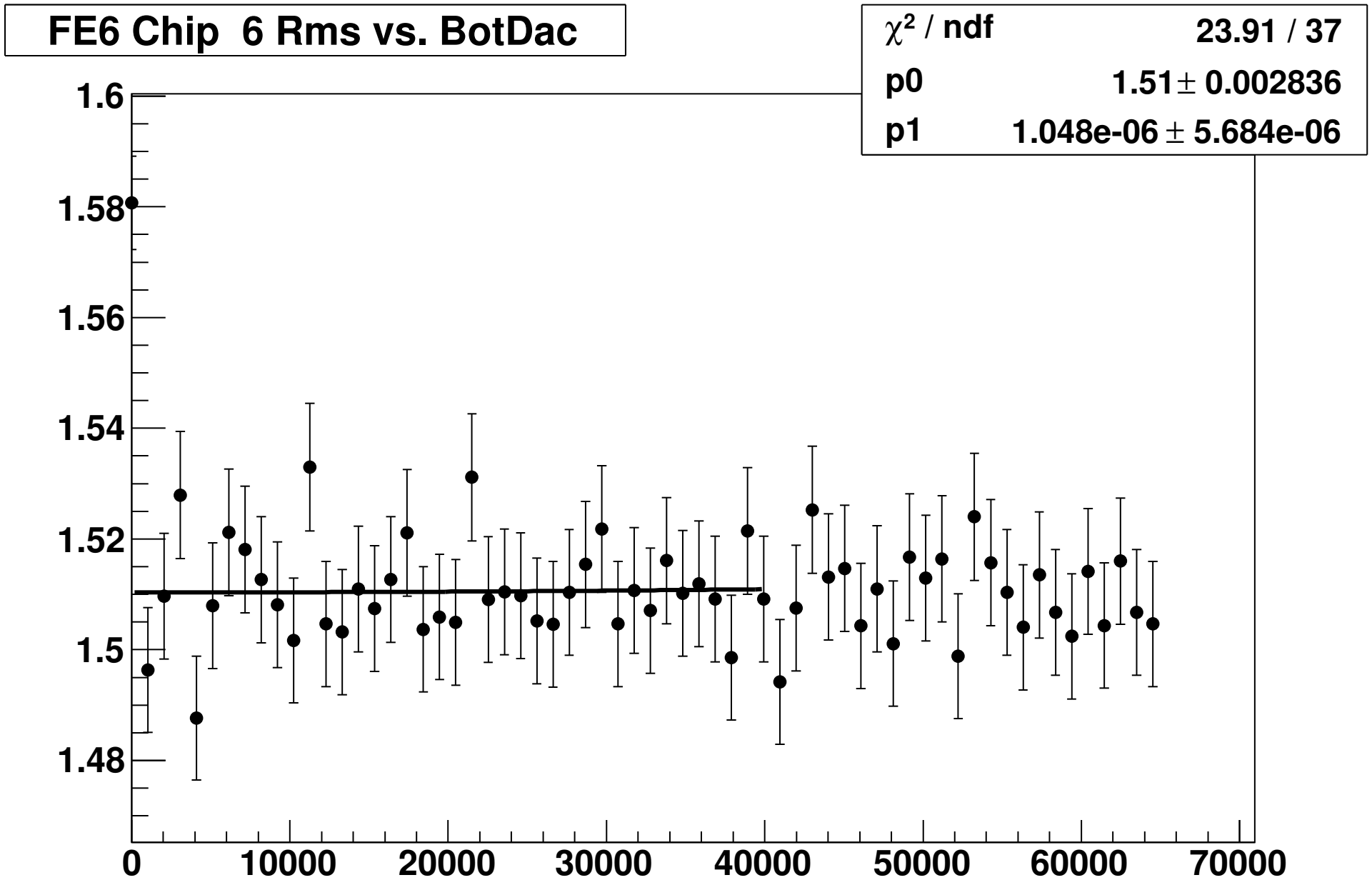

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 9.774e+04 / 37
p0 63.71 ± 0.005133
p1 0.4519 ± 2.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

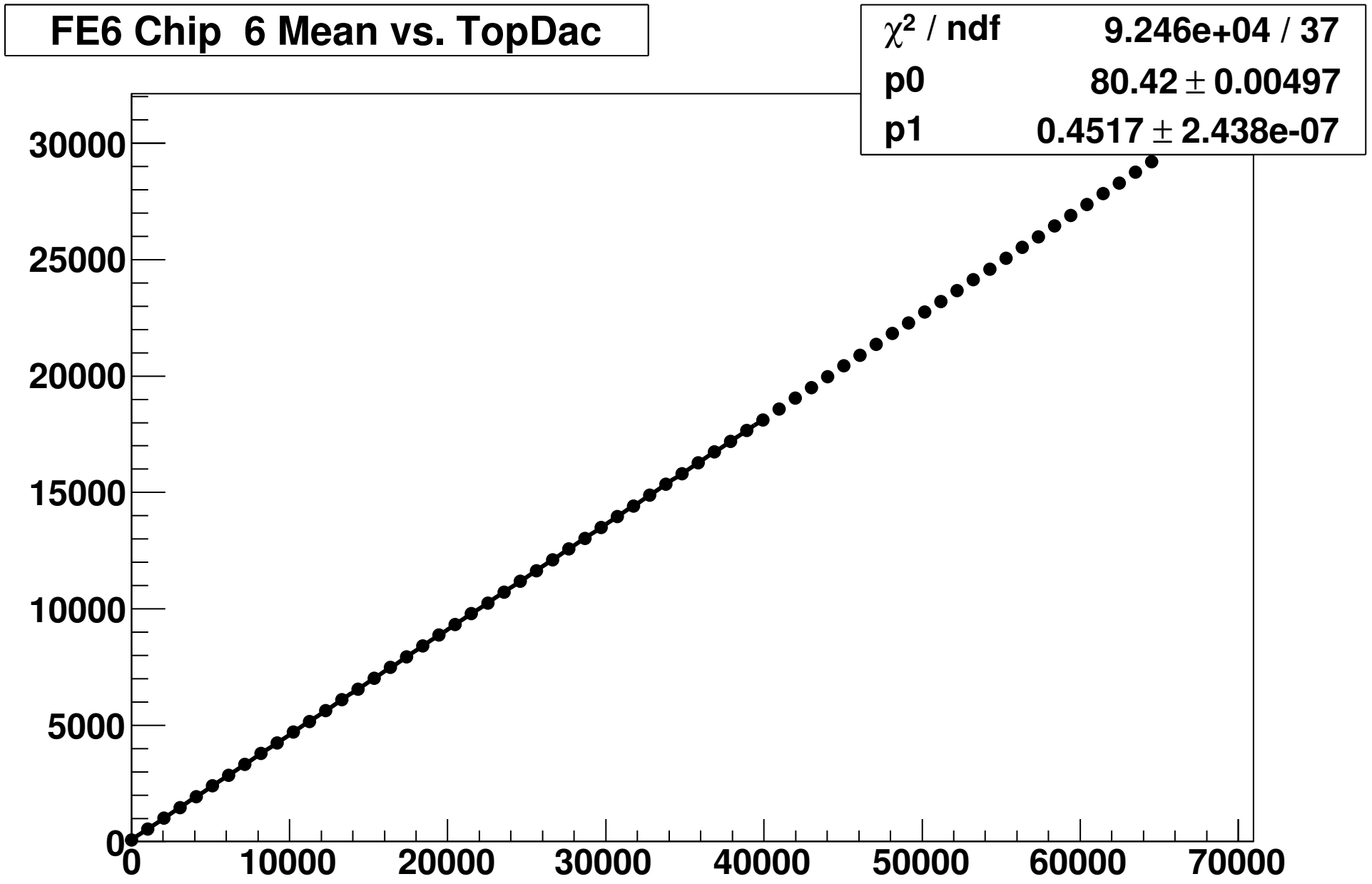

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 889.4 / 37
p0 1.36 ± 0.002819
p1 3.611e-05 ± 1.989e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

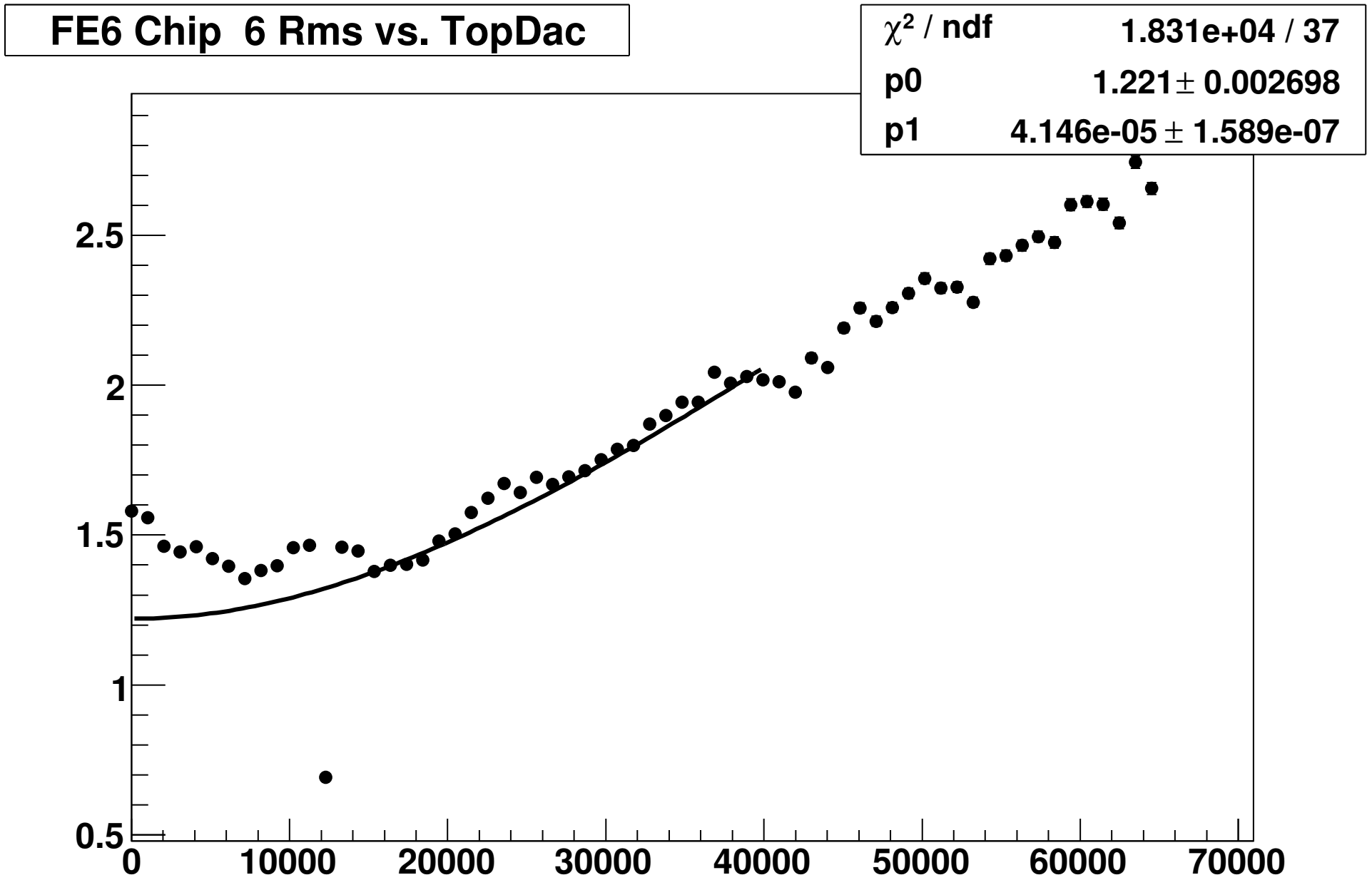

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 314.2 / 37
p0 64.21 ± 0.005103
p1 -2.338e-06 ± 2.169e-07
64.3
64.25
64.2
64.15
64.1
64.05
64
0
10000
20000
30000
40000
50000
60000
70000

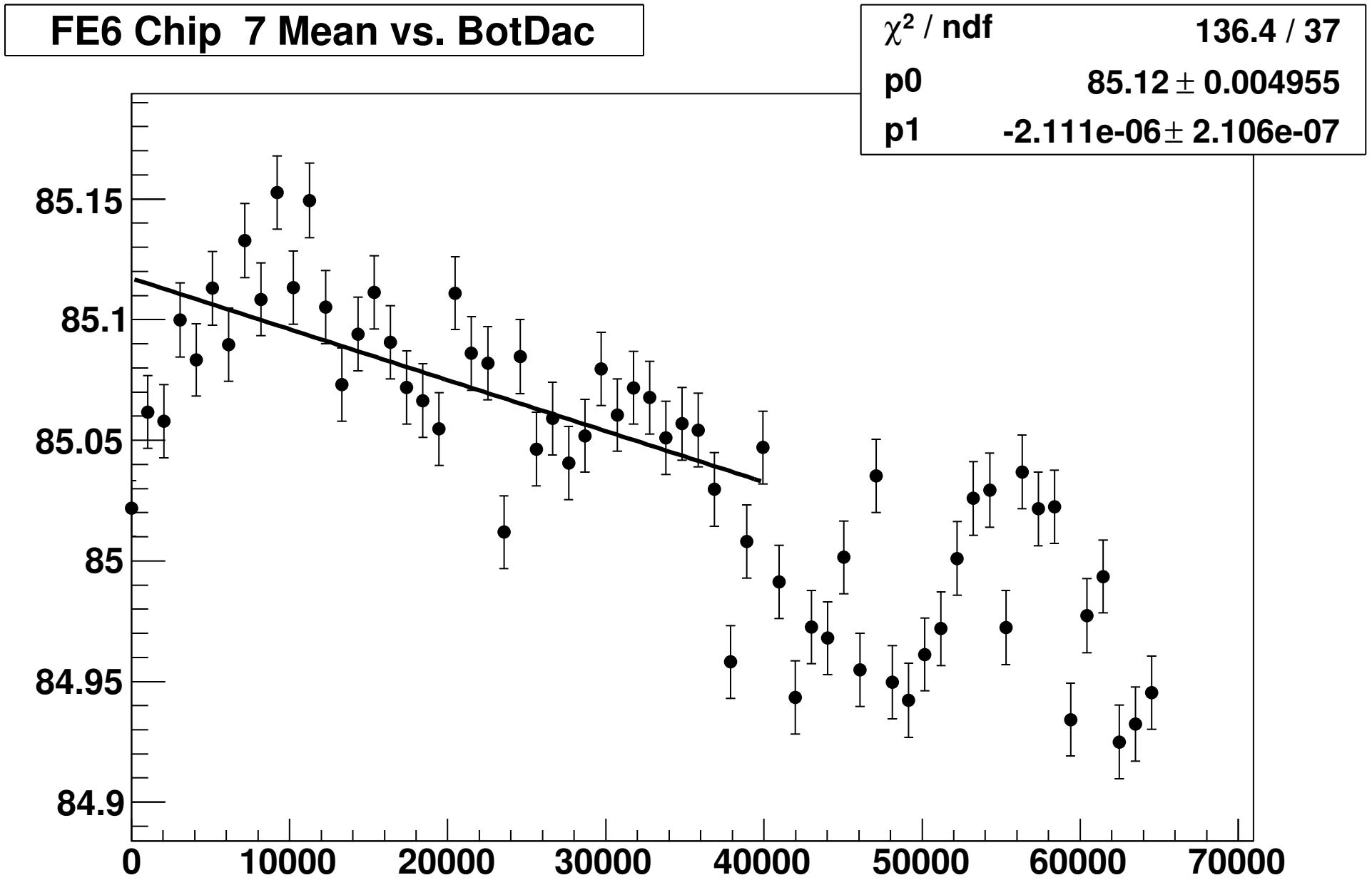

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 36.73 / 37
p0 1.472 ± 0.001776
p1 -4.076e-13 ± 2.463e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

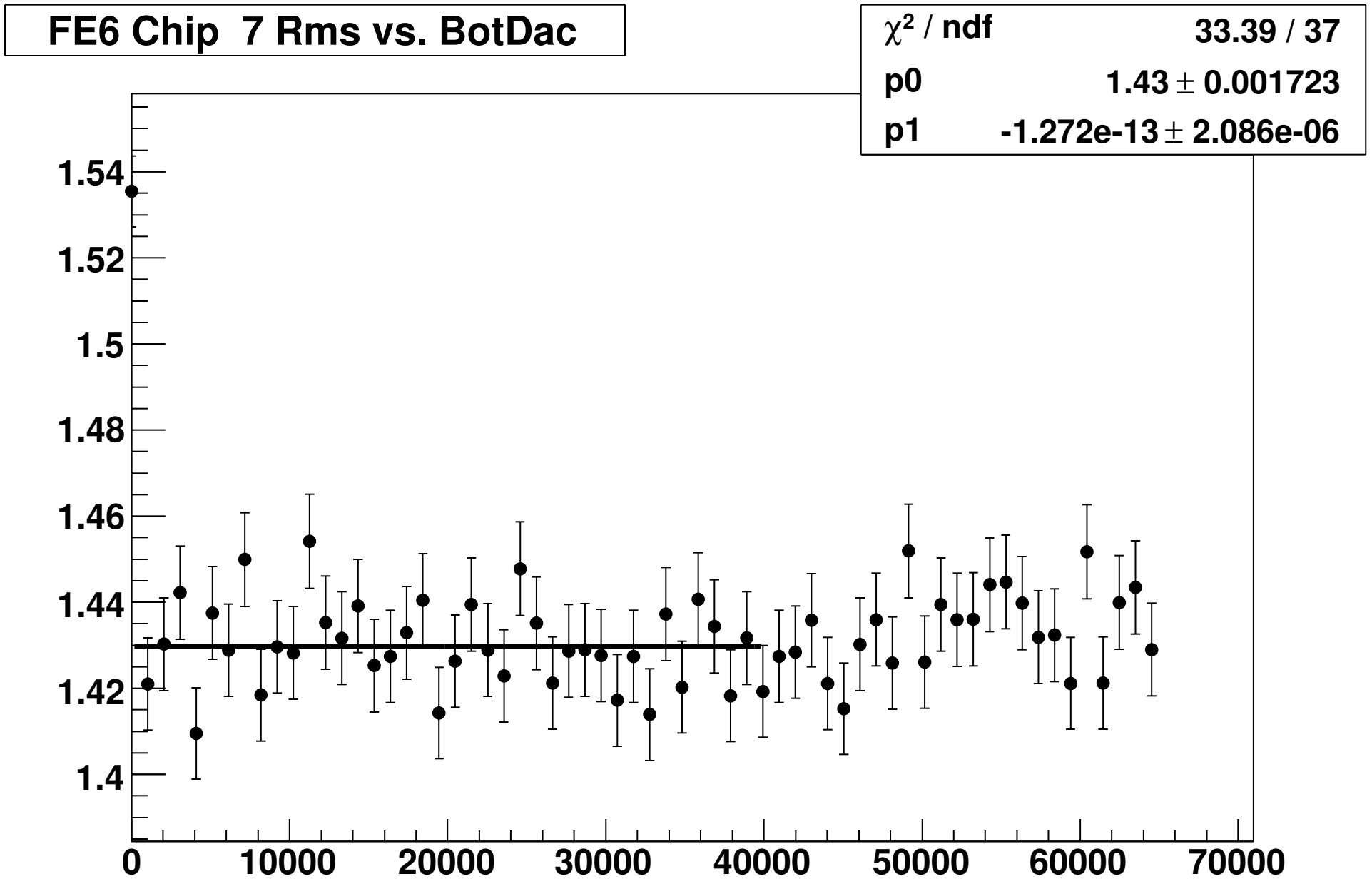

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 117.9 / 37
p0 80.95 ± 0.005229
p1 -2.621e-06 ± 2.225e-07
81
80.95
80.9
80.85
80.8
80.75
80.7
0
10000
20000
30000
40000
50000
60000
70000

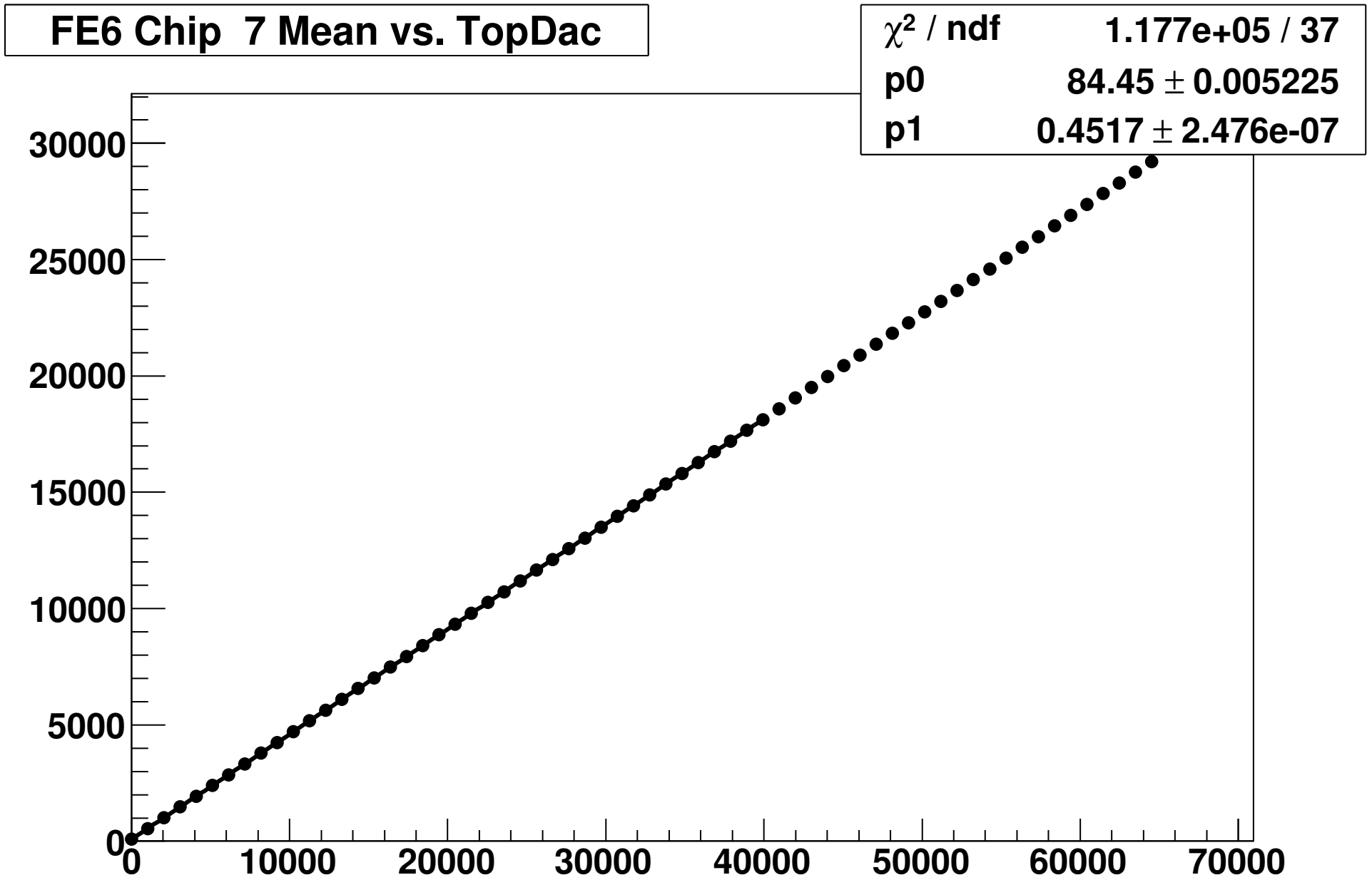

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 23.91 / 37
p0 1.51 ± 0.002836
p1 1.048e-06 ± 5.684e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

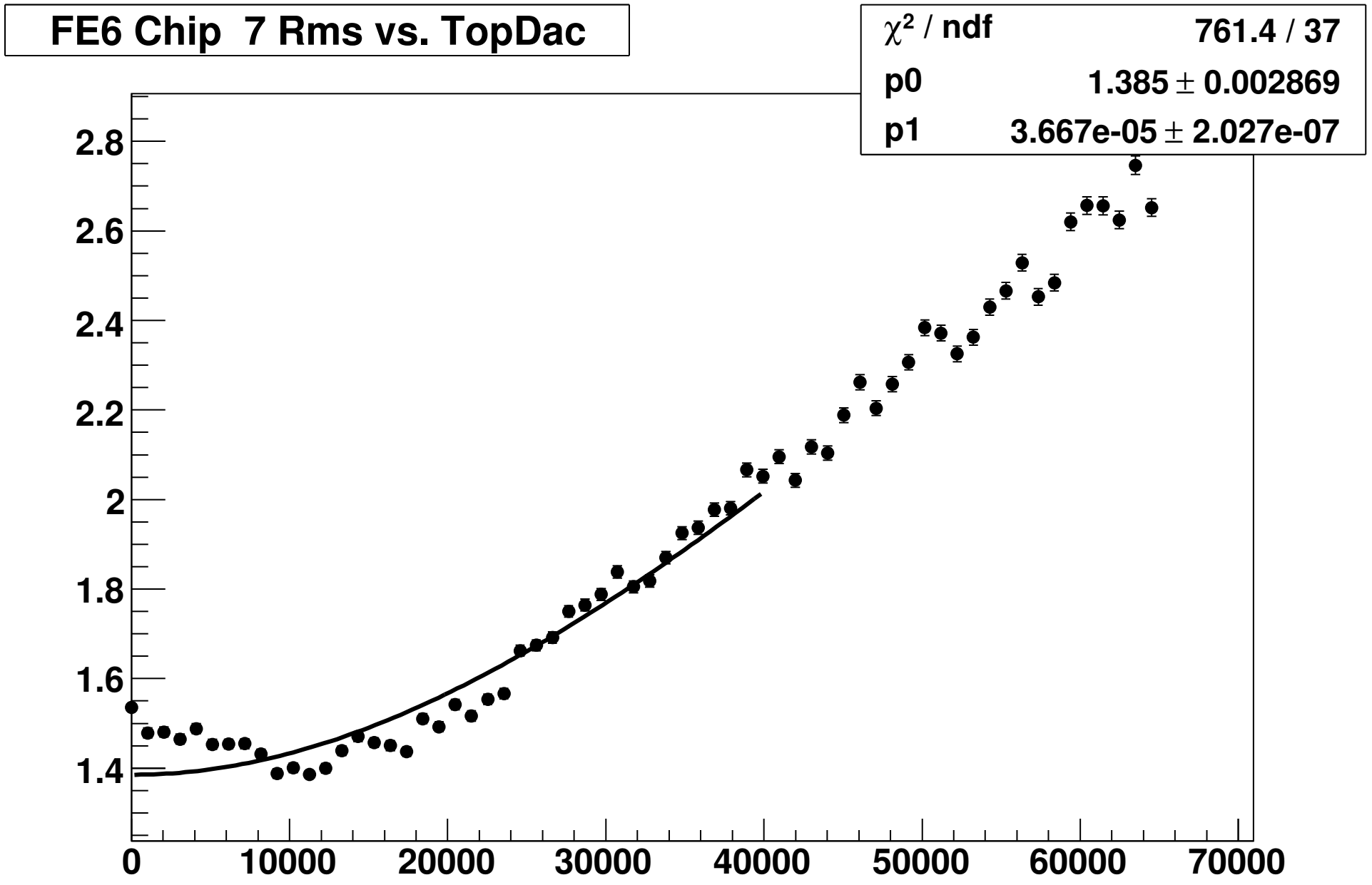

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 9.246e+04 / 37
p0 80.42 ± 0.00497
p1 0.4517 ± 2.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

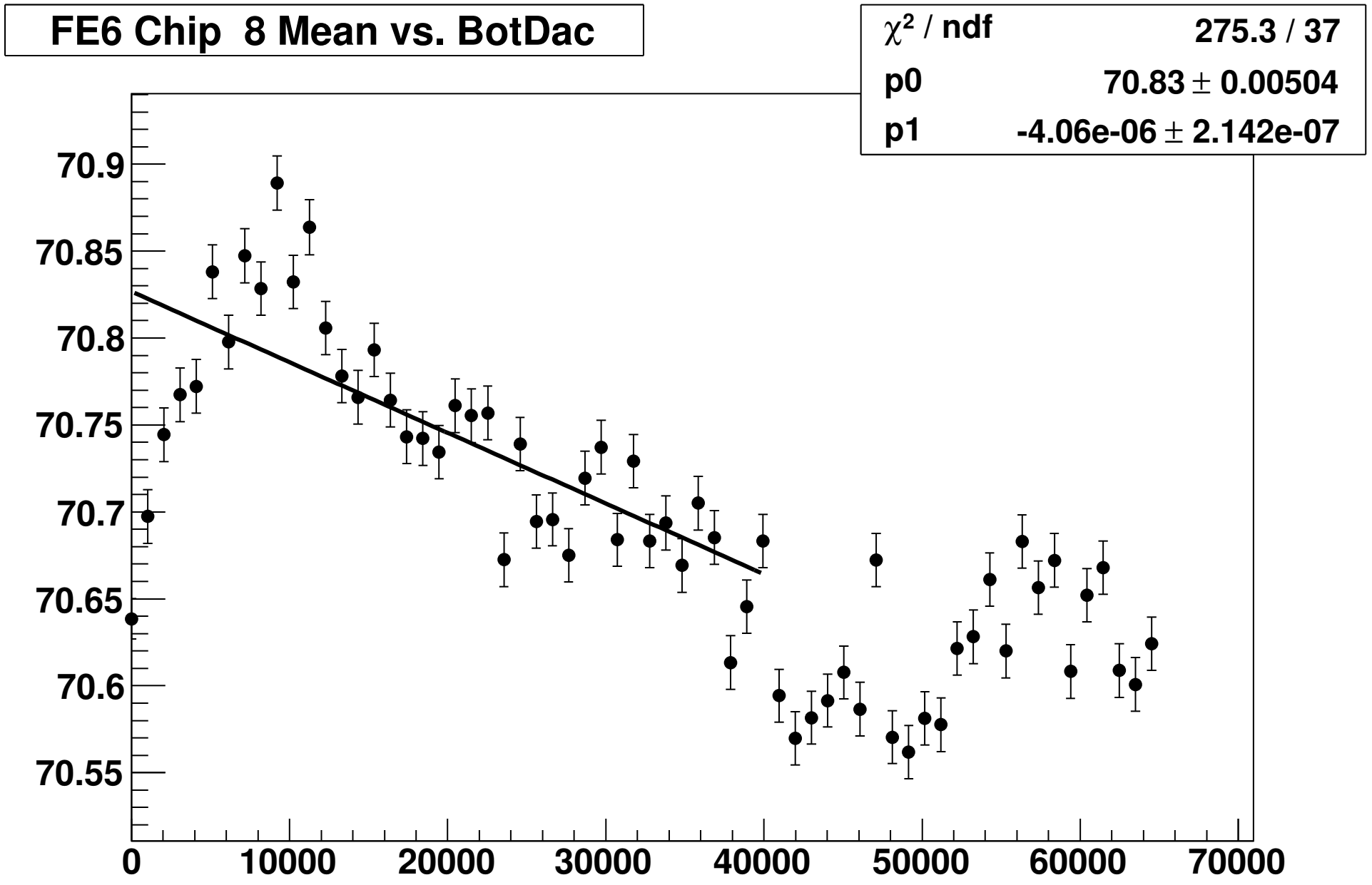

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1.831e+04 / 37
p0 1.221 ± 0.002698
p1 4.146e-05 ± 1.589e-07
2.5
2
1.5
1
0.5
0
10000
20000
30000
40000
50000
60000
70000

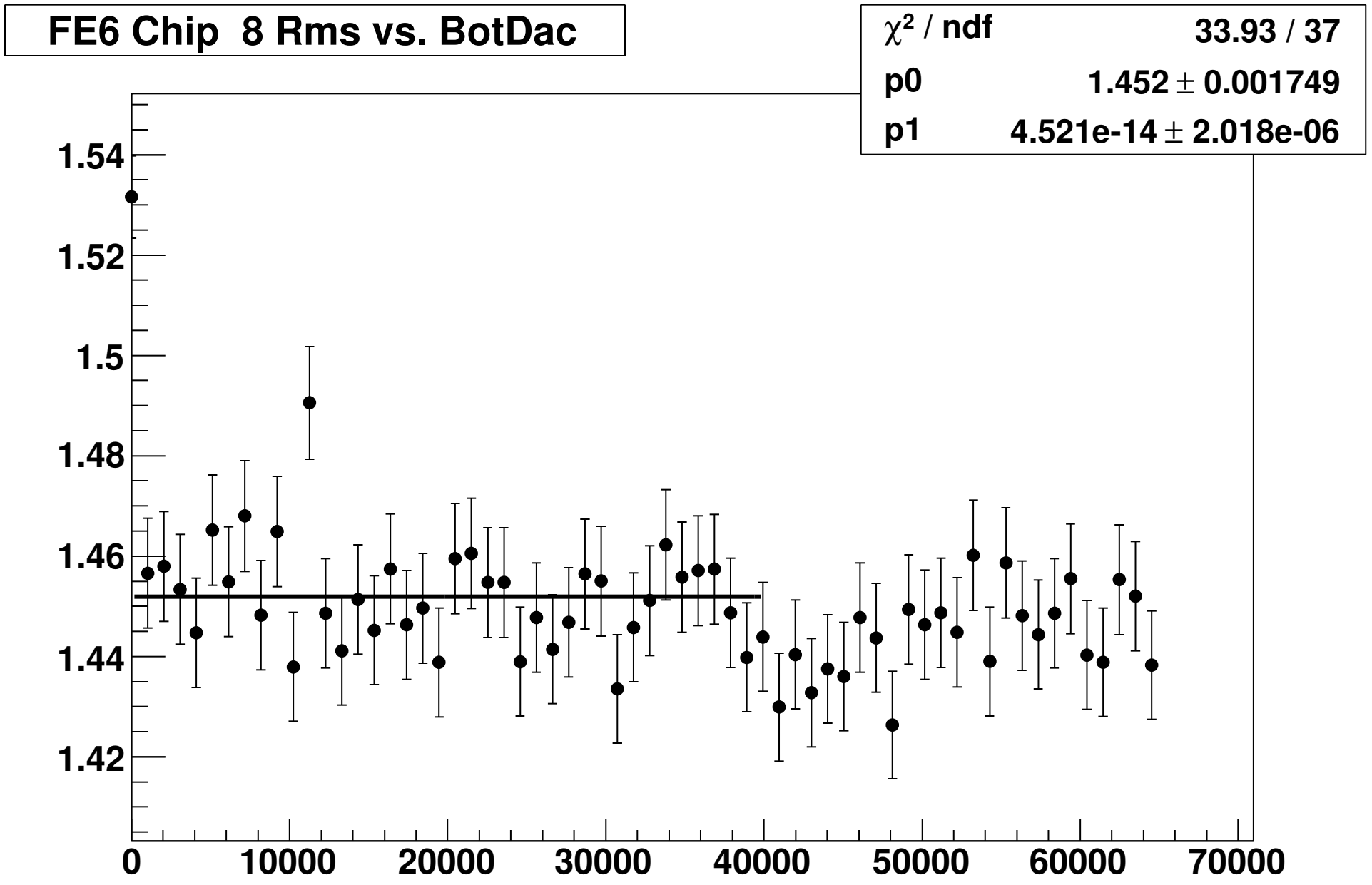

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 136.4 / 37
p0 85.12 ± 0.004955
p1 -2.111e-06 ± 2.106e-07
85.15
85.1
85.05
85
84.95
84.9
0
10000
20000
30000
40000
50000
60000
70000

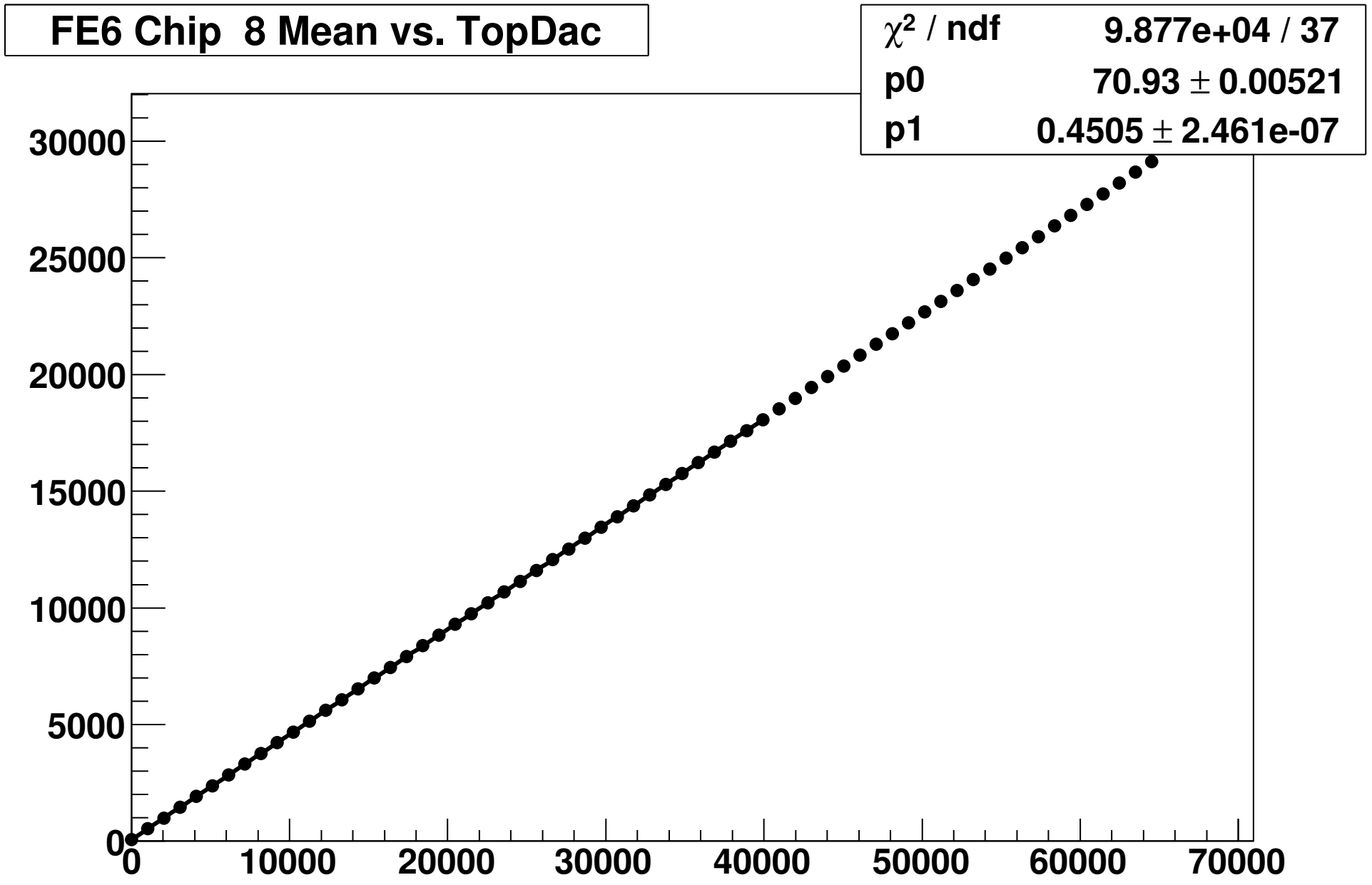

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 33.39 / 37
p0 1.43 ± 0.001723
p1 -1.272e-13 ± 2.086e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

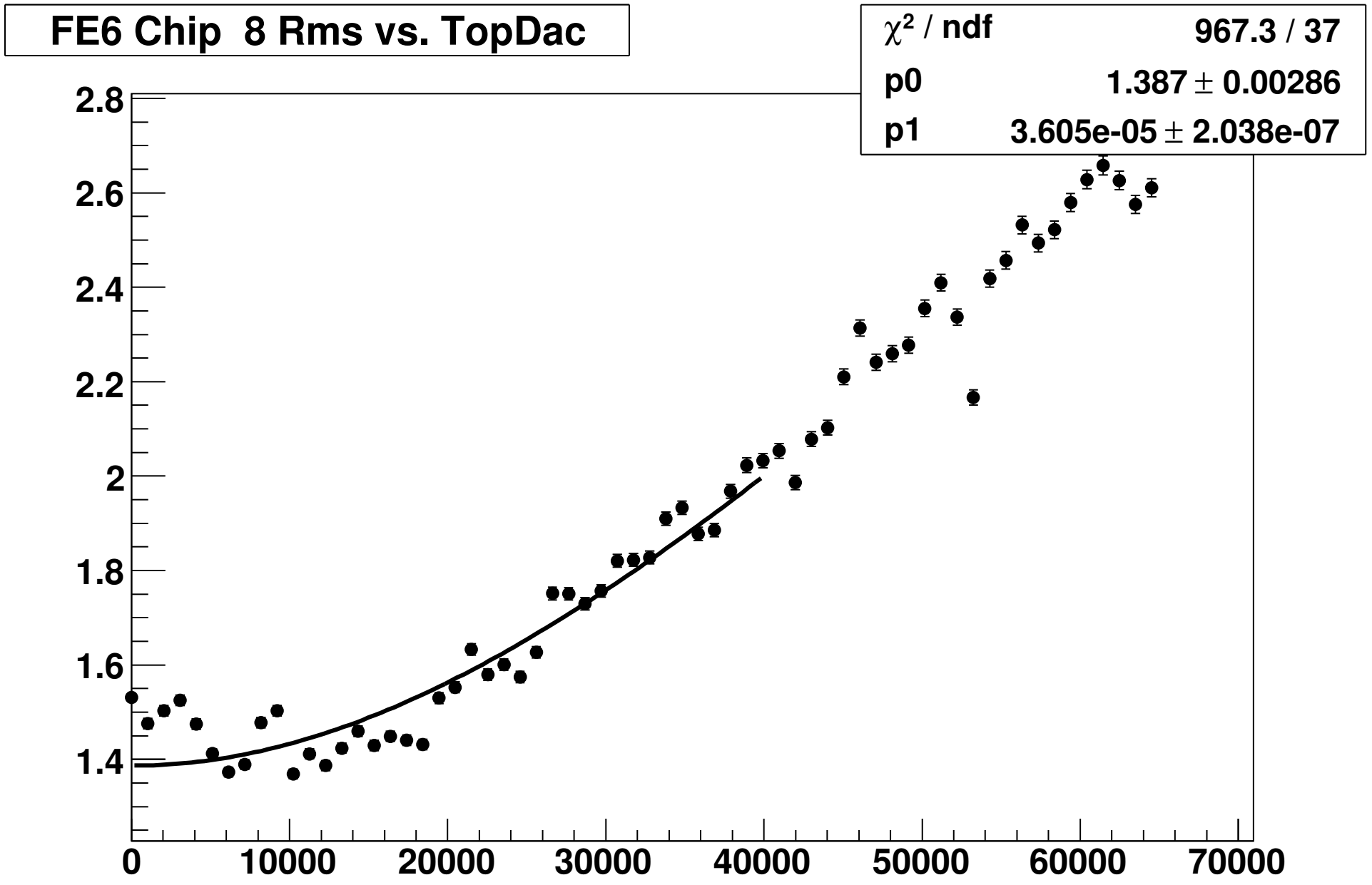

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.177e+05 / 37
p0 84.45 ± 0.005225
p1 0.4517 ± 2.476e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

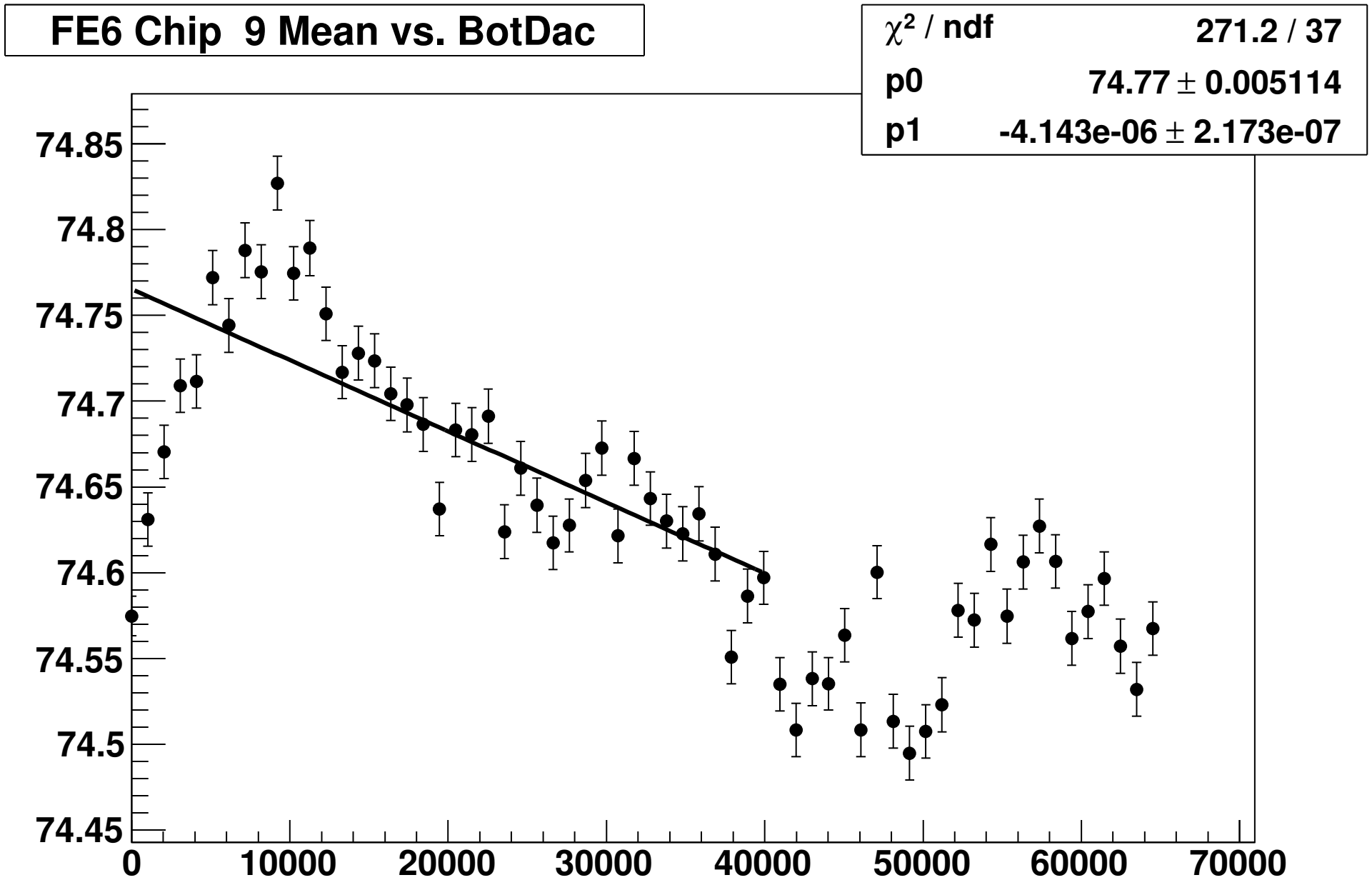

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 761.4 / 37
p0 1.385 ± 0.002869
p1 3.667e-05 ± 2.027e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 275.3 / 37
p0 70.83 ± 0.00504
p1 -4.06e-06 ± 2.142e-07
70.9
70.85
70.8
70.75
70.7
70.65
70.6
70.55
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 33.93 / 37
p0 1.452 ± 0.001749
p1 4.521e-14 ± 2.018e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 9.877e+04 / 37
p0 70.93 ± 0.00521
p1 0.4505 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 967.3 / 37
p0 1.387 ± 0.00286
p1 3.605e-05 ± 2.038e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 271.2 / 37
p0 74.77 ± 0.005114
p1 -4.143e-06 ± 2.173e-07
74.85
74.8
74.75
74.7
74.65
74.6
74.55
74.5
74.45
0
10000
20000
30000
40000
50000
60000
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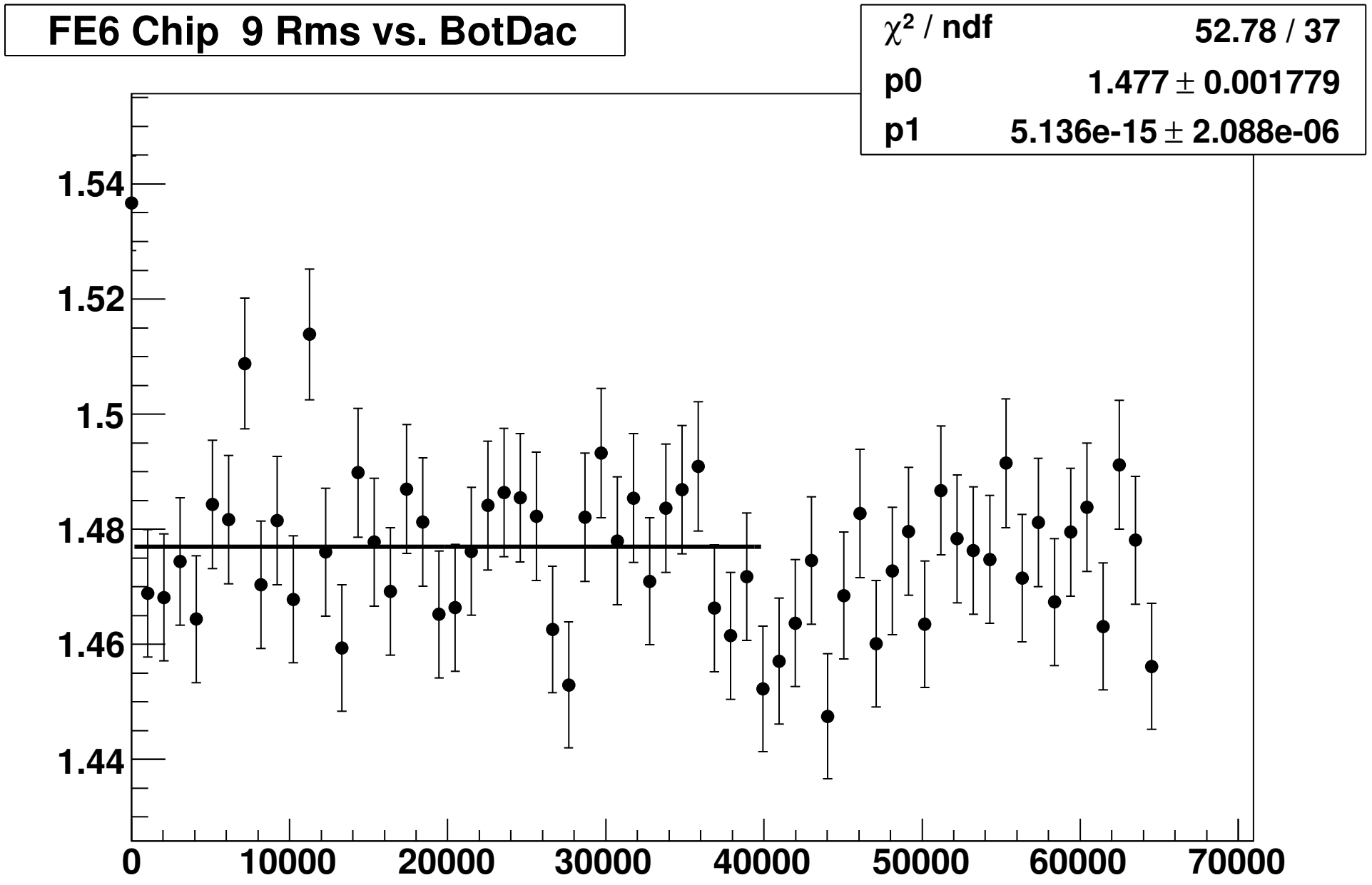
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 52.78 / 37
p0 1.477 ± 0.001779
p1 5.136e-15 ± 2.088e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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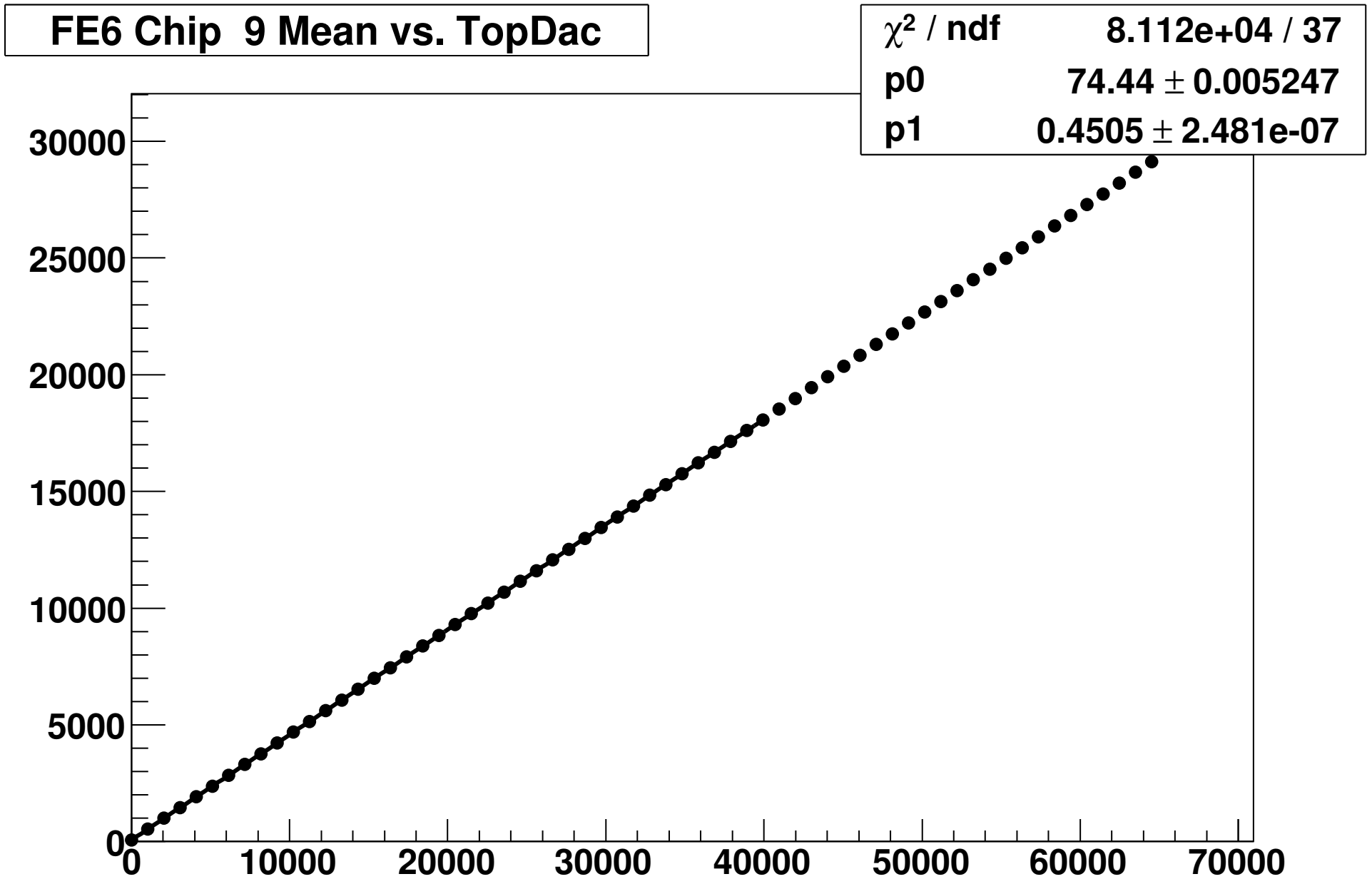
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 8.112e+04 / 37
p0 74.44 ± 0.005247
p1 0.4505 ± 2.481e-07
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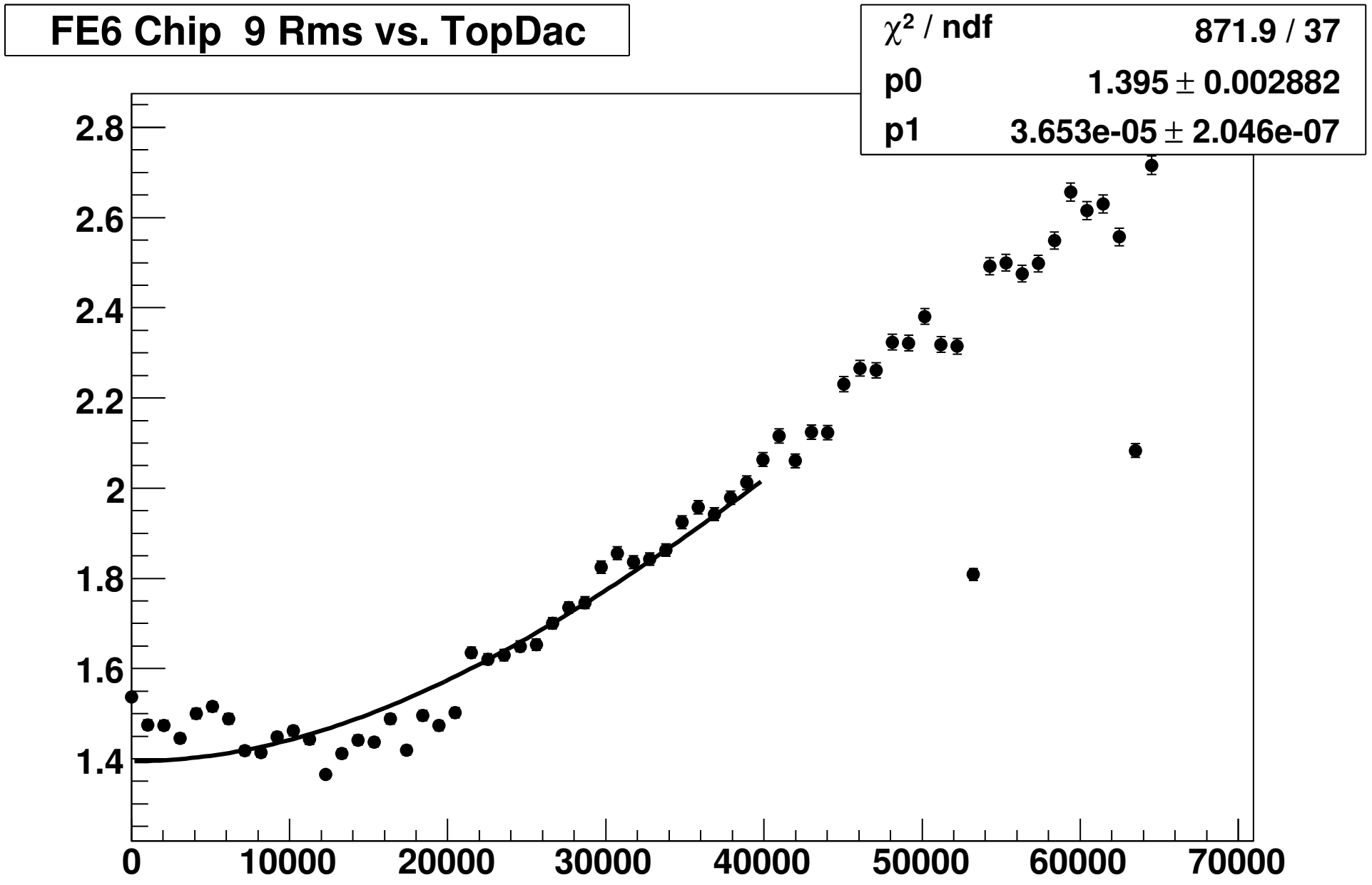
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 871.9 / 37
p0 1.395 ± 0.002882
p1 3.653e-05 ± 2.046e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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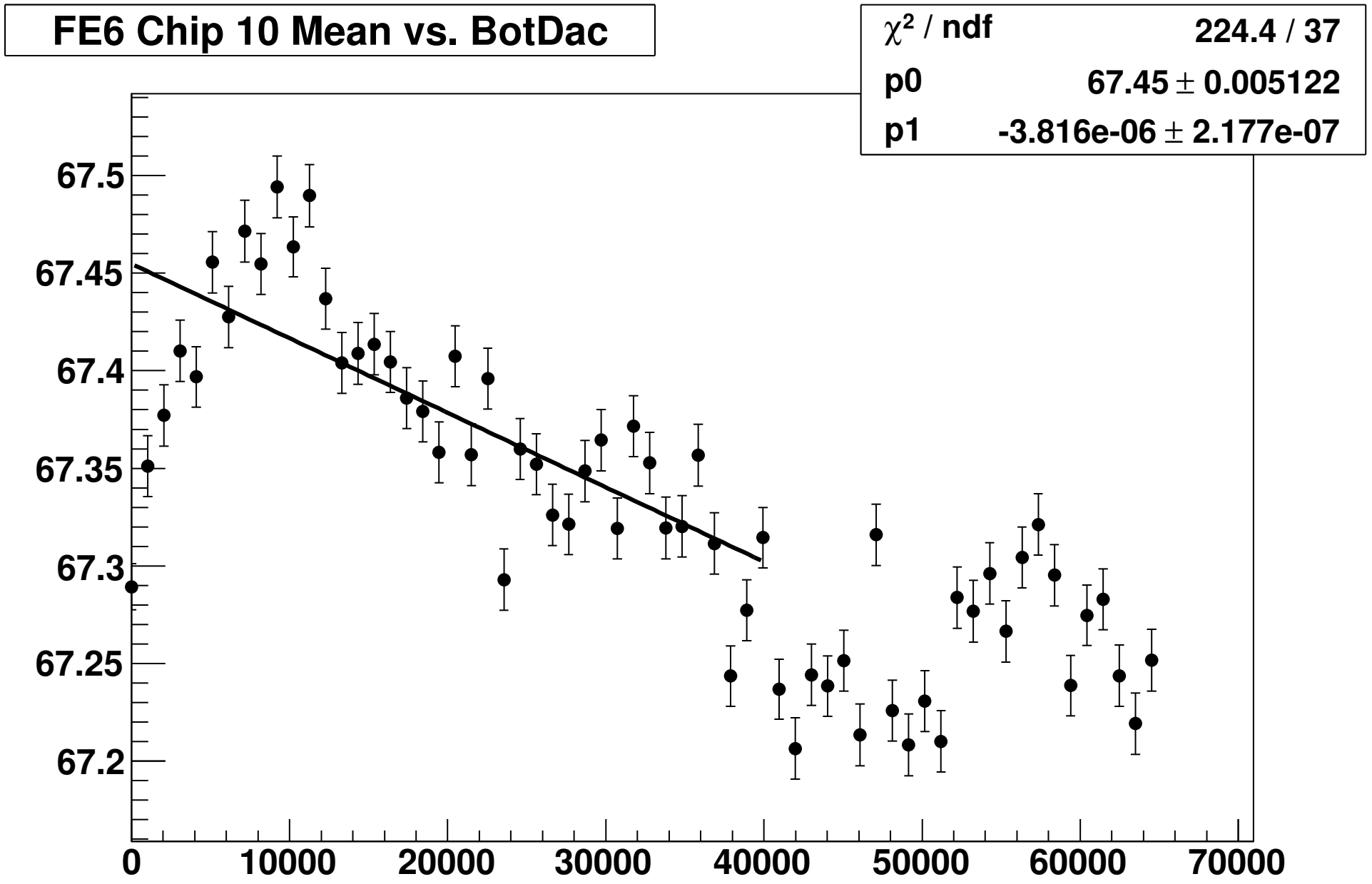
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 224.4 / 37
p0 67.45 ± 0.005122
p1 -3.816e-06 ± 2.177e-07
67.5
67.45
67.4
67.35
67.3
67.25
67.2
0
10000
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50000
60000
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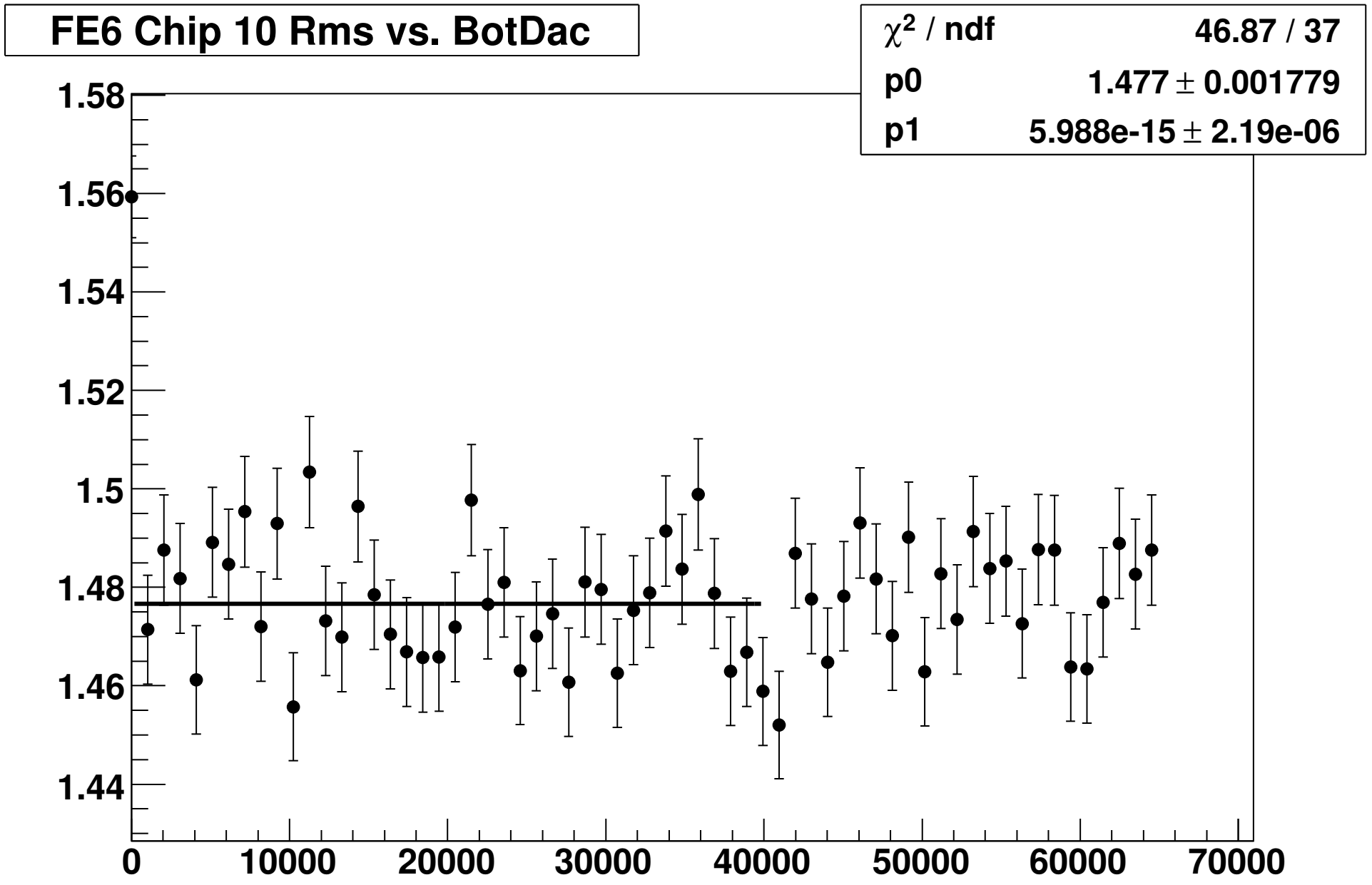
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 46.87 / 37
p0 1.477 ± 0.001779
p1 5.988e-15 ± 2.19e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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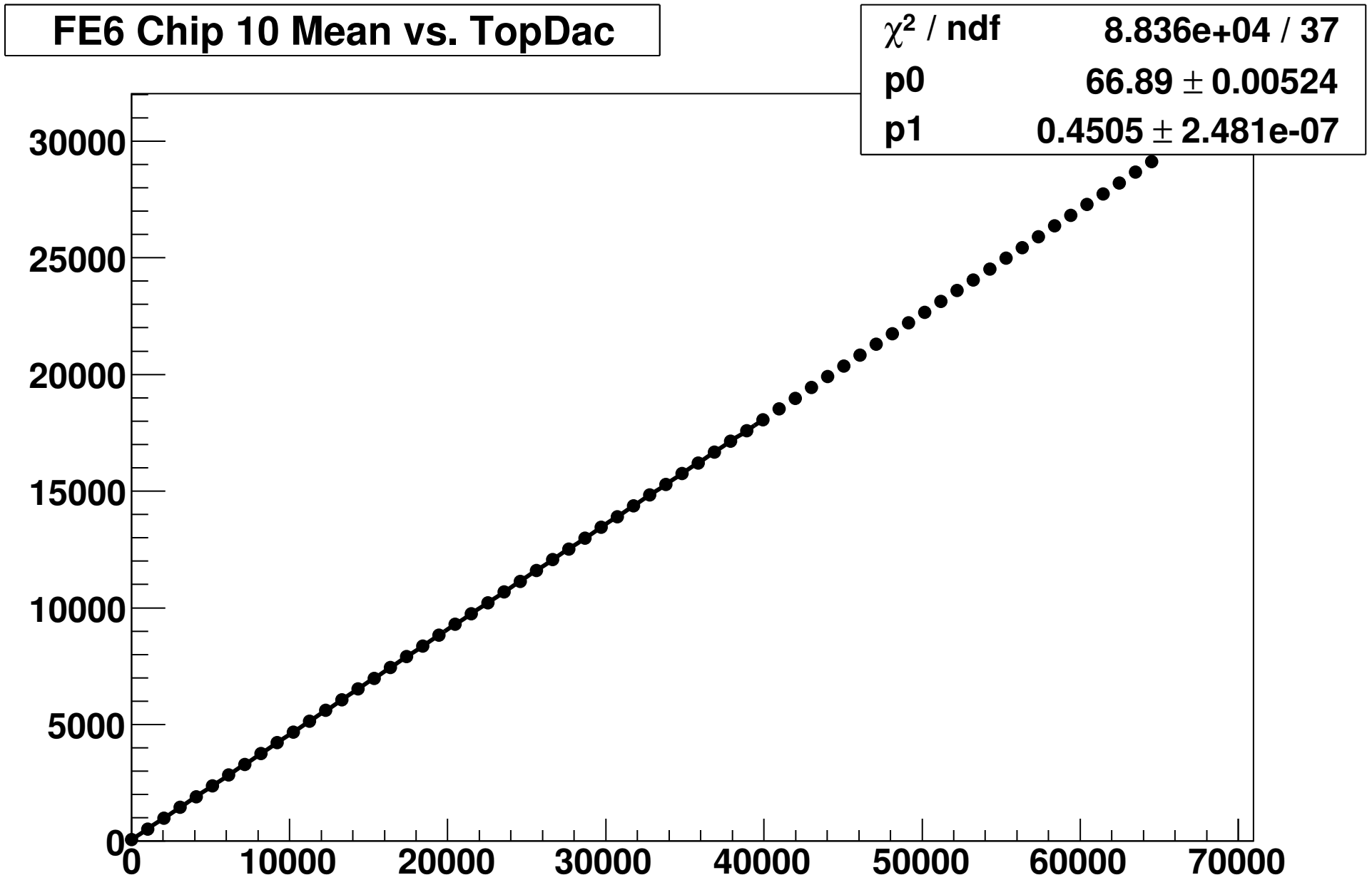
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 8.836e+04 / 37
p0 66.89 ± 0.00524
p1 0.4505 ± 2.481e-07
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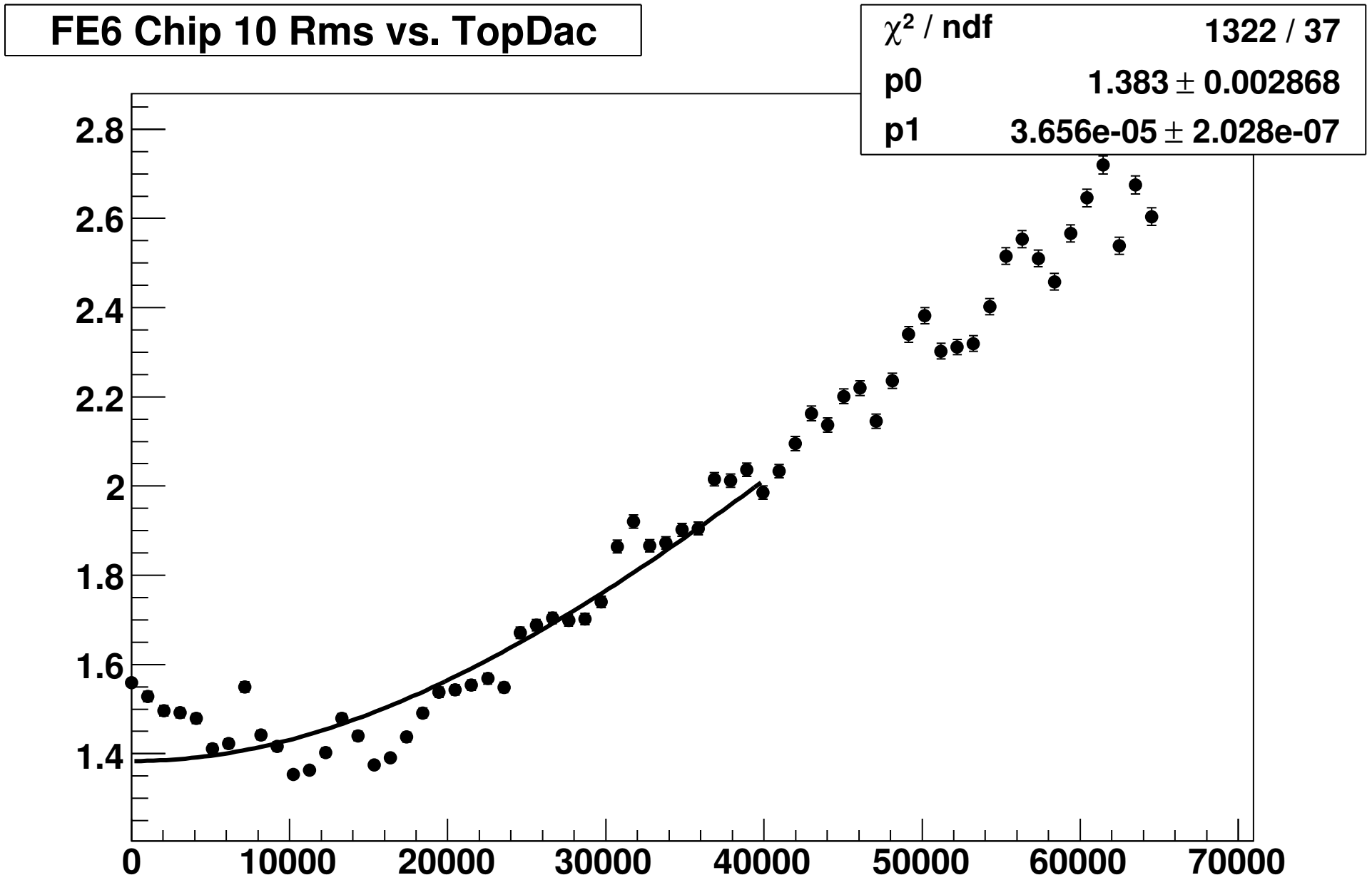
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1322 / 37
p0 1.383 ± 0.002868
p1 3.656e-05 ± 2.028e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
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60000
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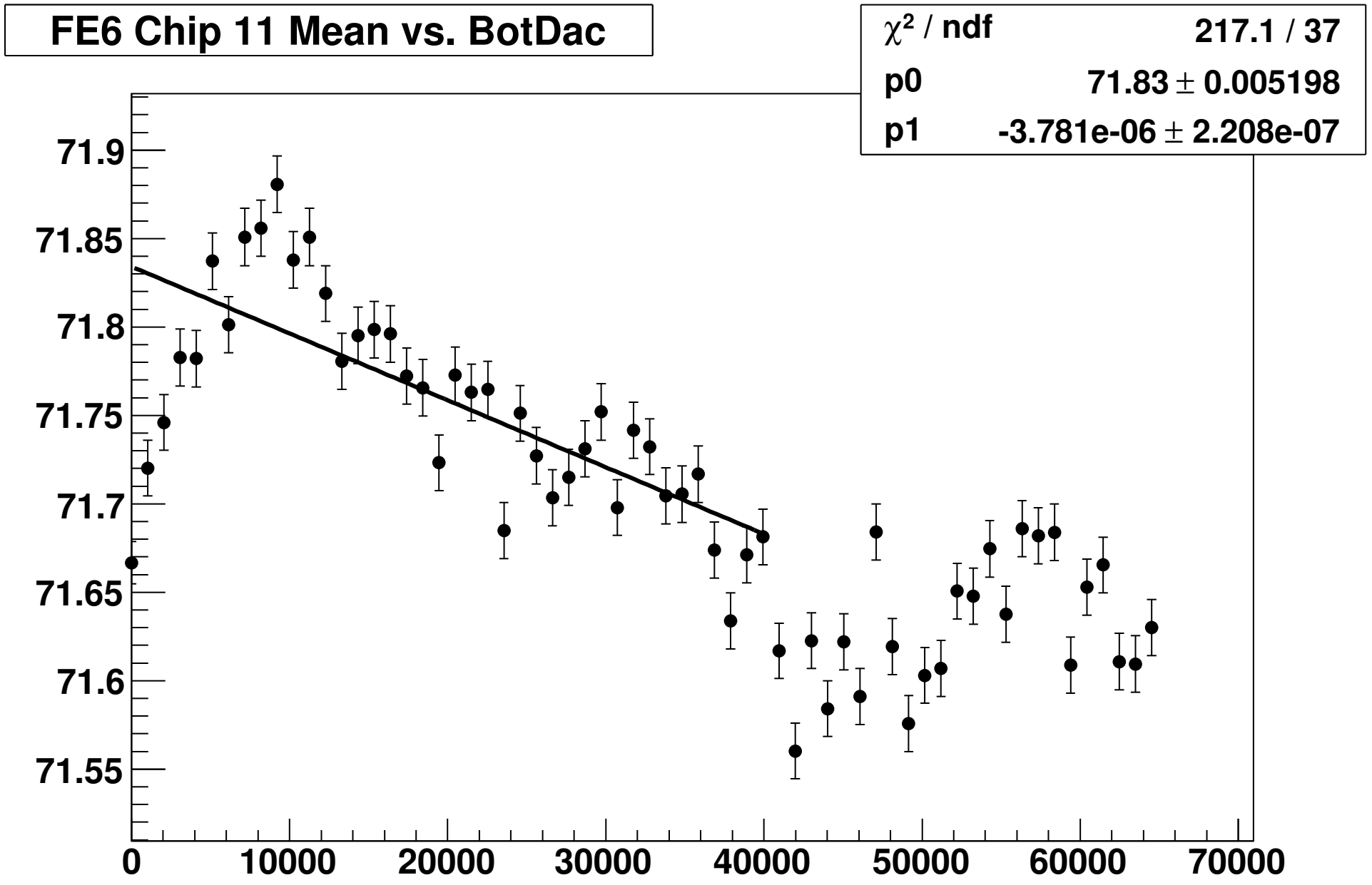
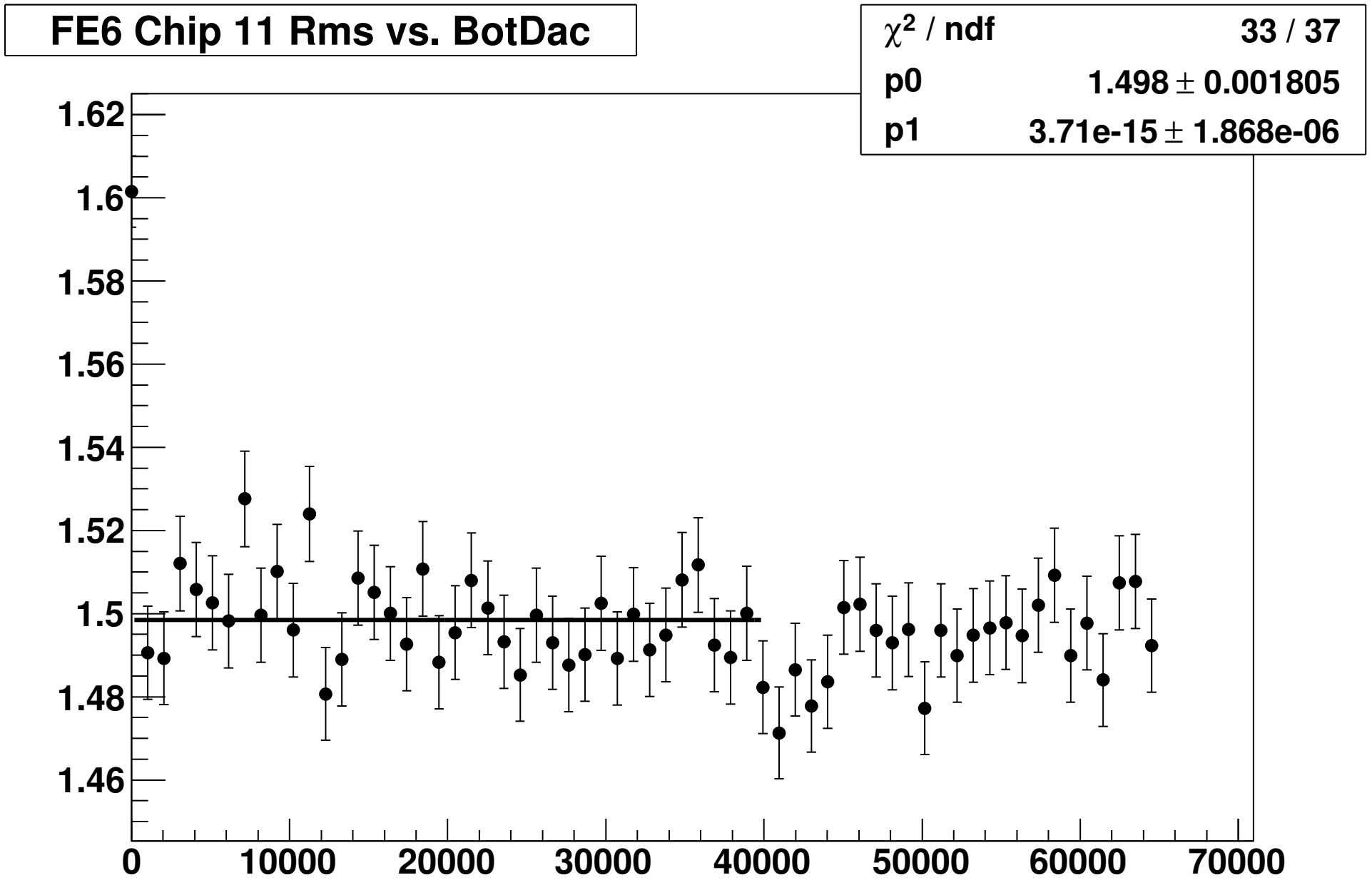

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 217.1 / 37
p0 71.83 ± 0.005198
p1 -3.781e-06 ± 2.208e-07
71.9
71.85
71.8
71.75
71.7
71.65
71.6
71.55
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 33 / 37
p0 1.498 ± 0.001805
p1 3.71e-15 ± 1.868e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
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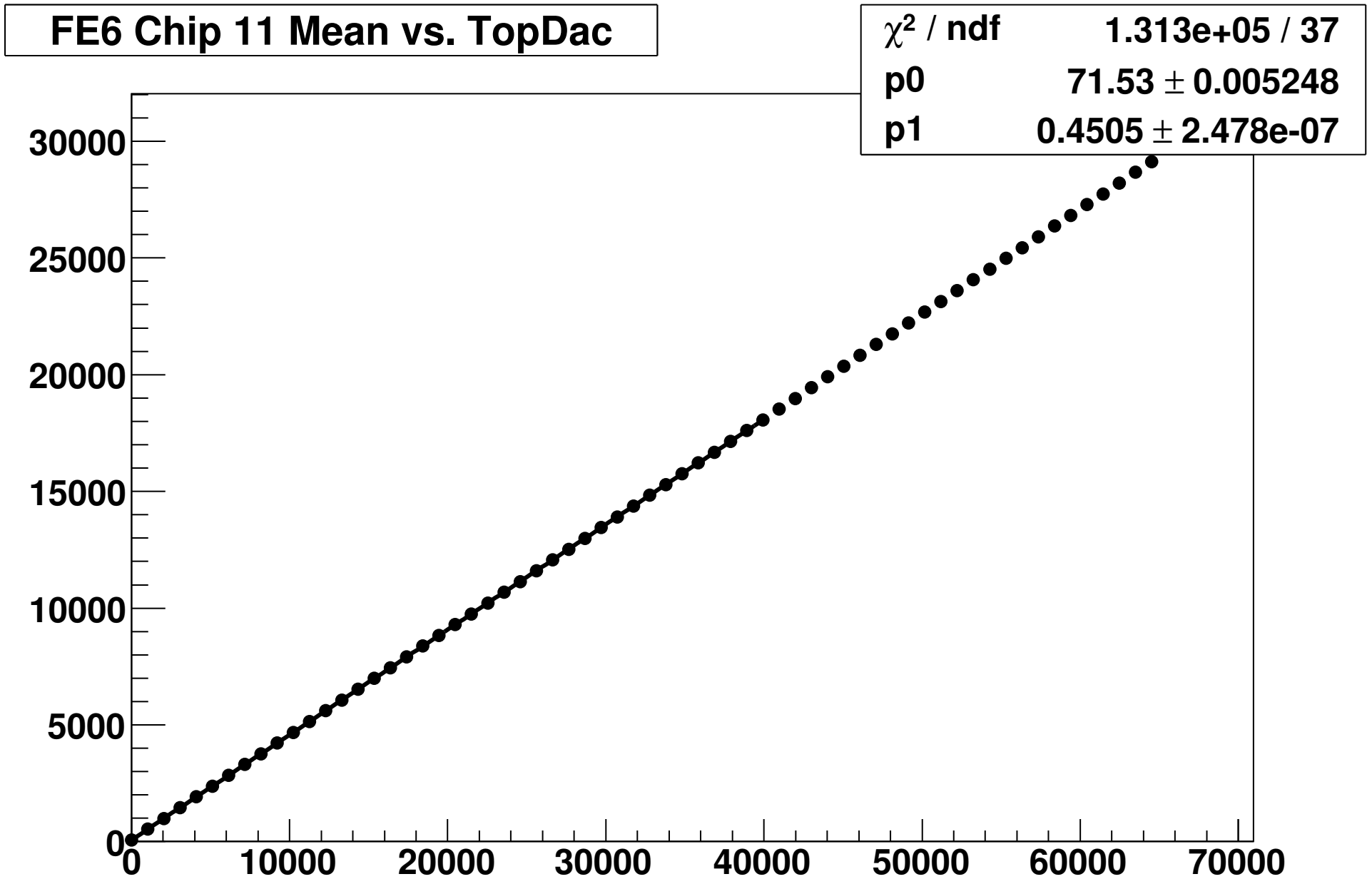
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.313e+05 / 37
p0 71.53 ± 0.005248
p1 0.4505 ± 2.478e-07
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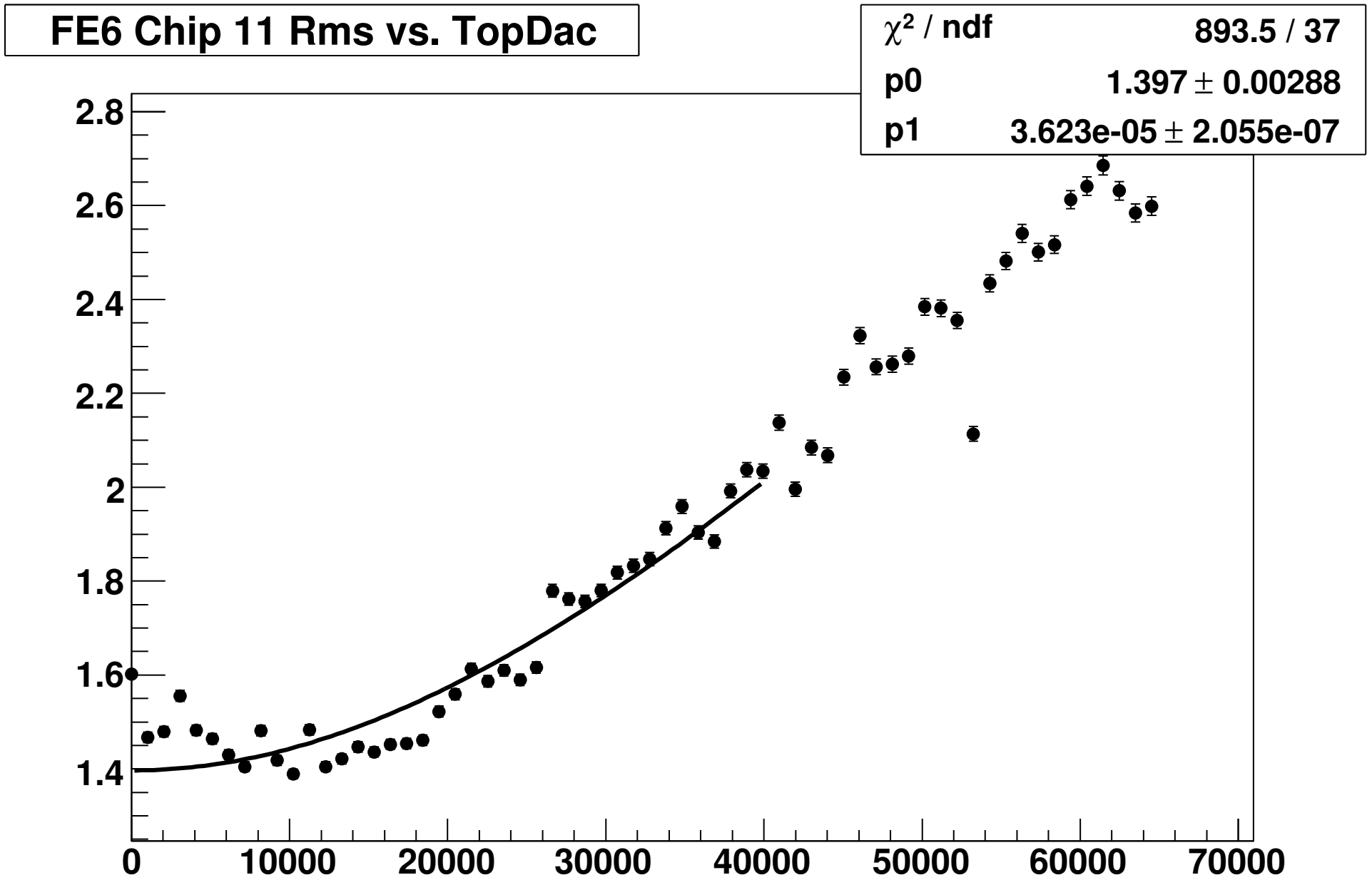
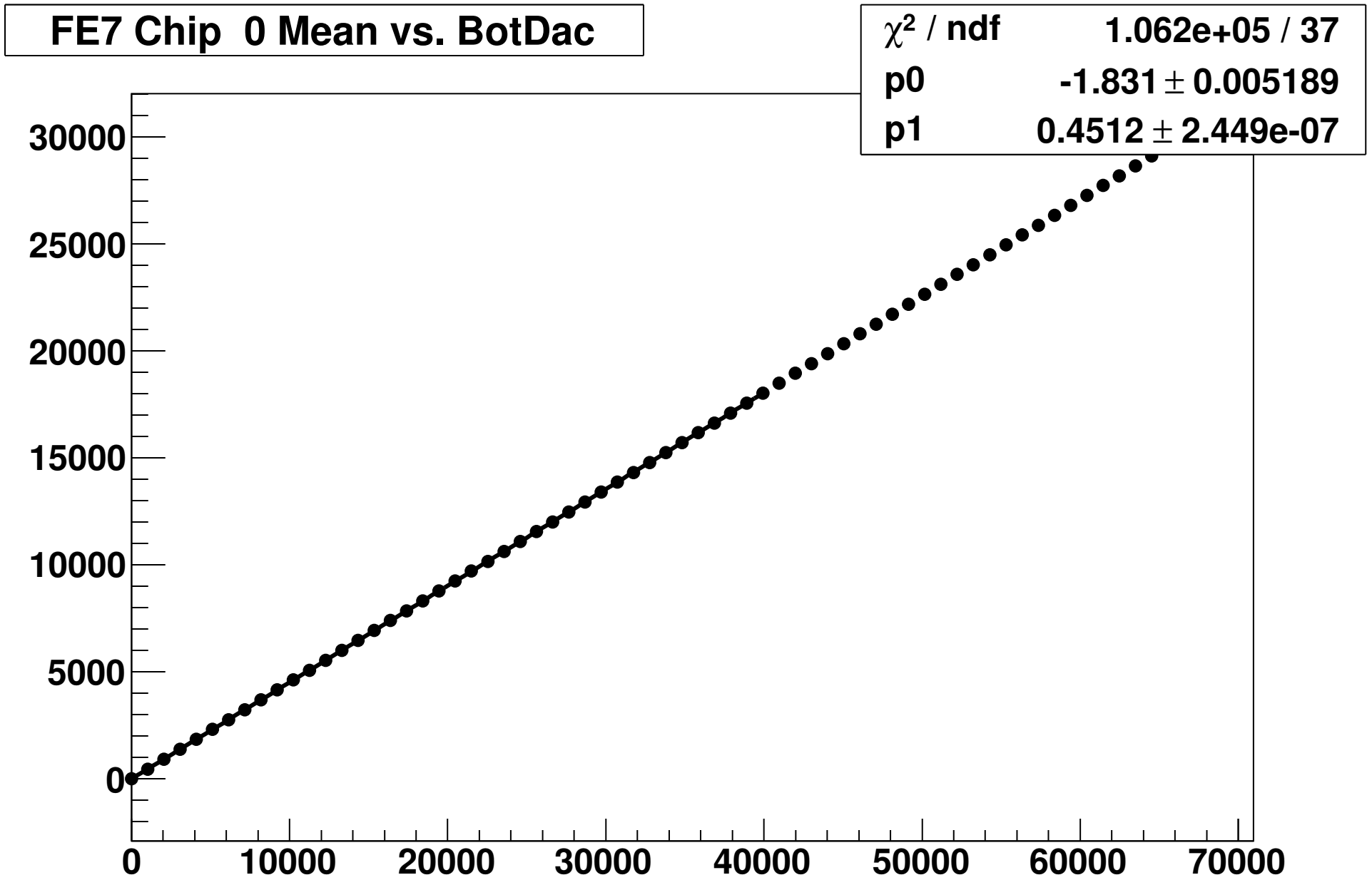
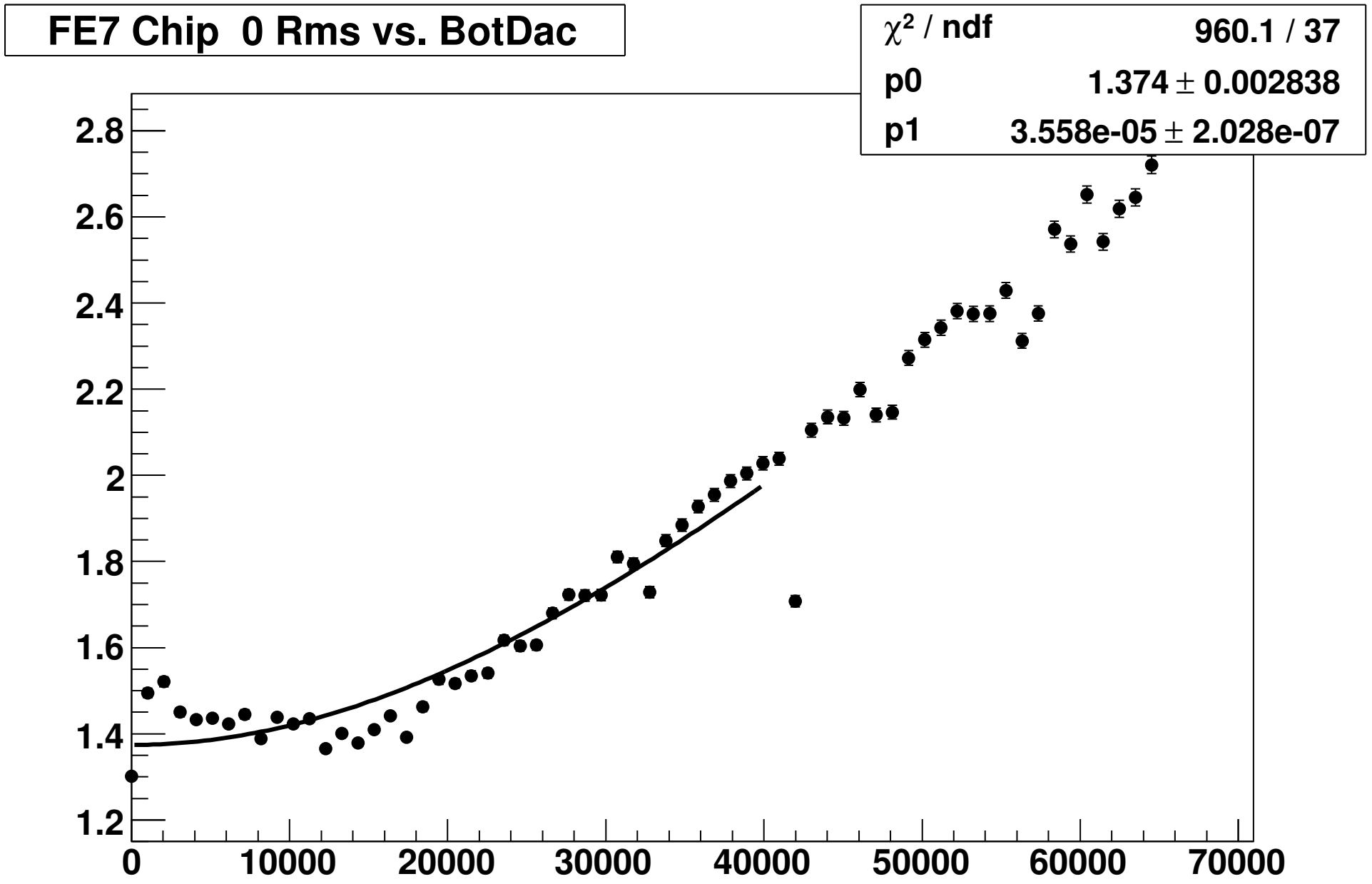
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 893.5 / 37
p0 1.397 ± 0.00288
p1 3.623e-05 ± 2.055e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.062e+05 / 37
p0 -1.831 ± 0.005189
p1 0.4512 ± 2.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 960.1 / 37
p0 1.374 ± 0.002838
p1 3.558e-05 ± 2.028e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
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60000
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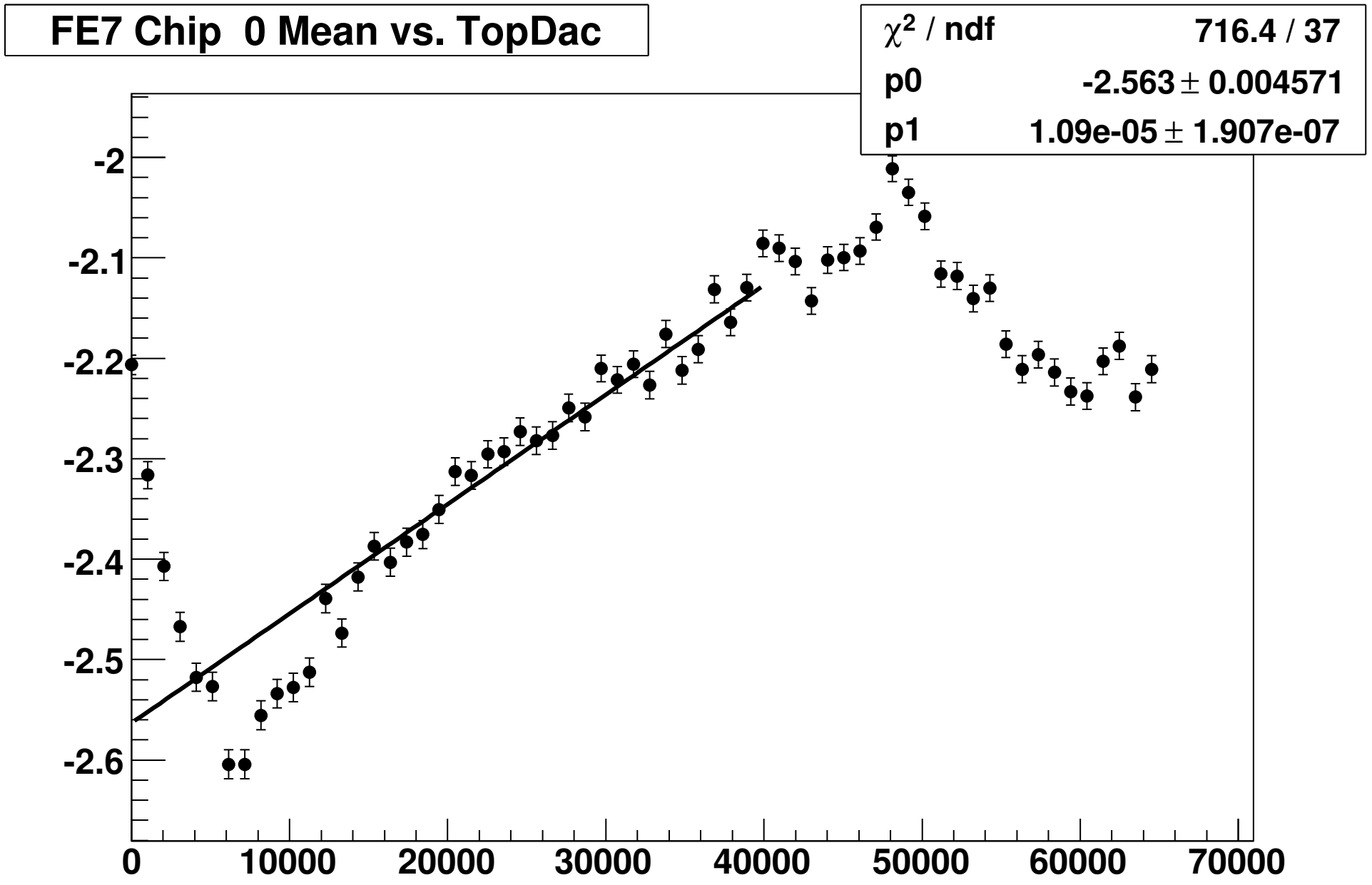
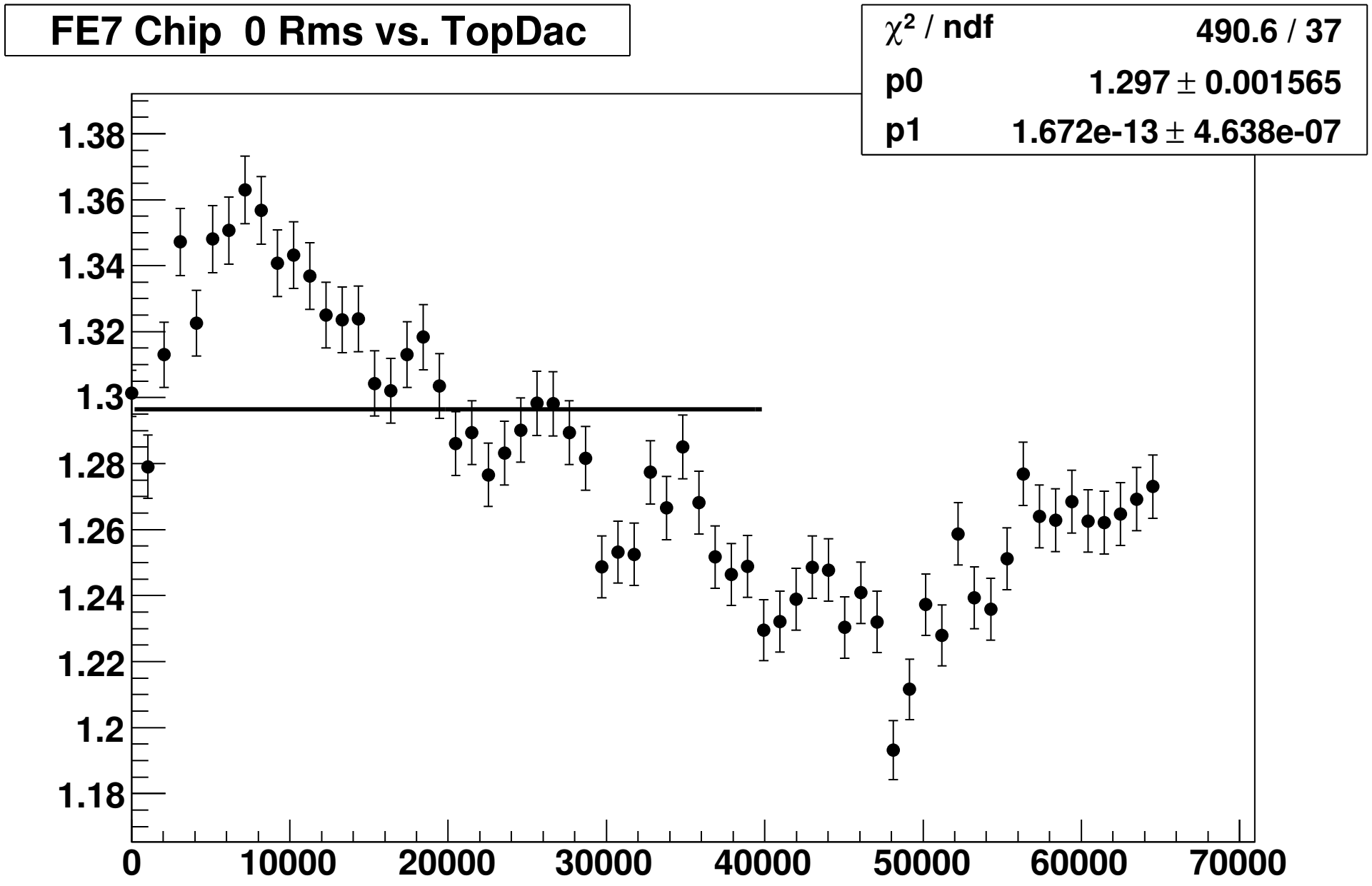

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 716.4 / 37
p0 -2.563 ± 0.004571
p1 1.09e-05 ± 1.907e-07
-2
-2.1
-2.2
-2.3
-2.4
-2.5
-2.6
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 490.6 / 37
p0 1.297 ± 0.001565
p1 1.672e-13 ± 4.638e-07
1.38
1.36
1.34
1.32
1.3
1.28
1.26
1.24
1.22
1.2
1.18
0
10000
20000
30000
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60000
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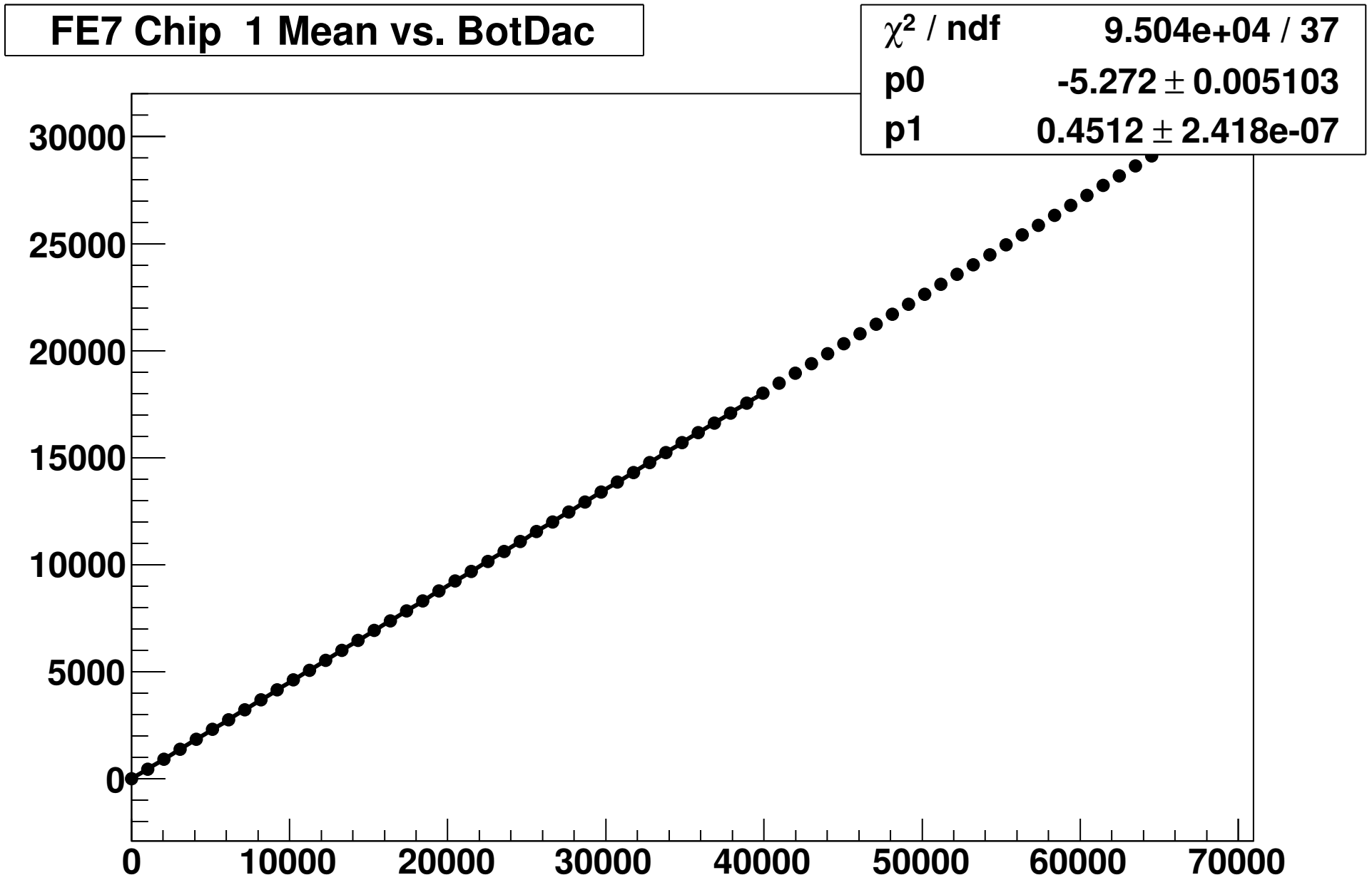
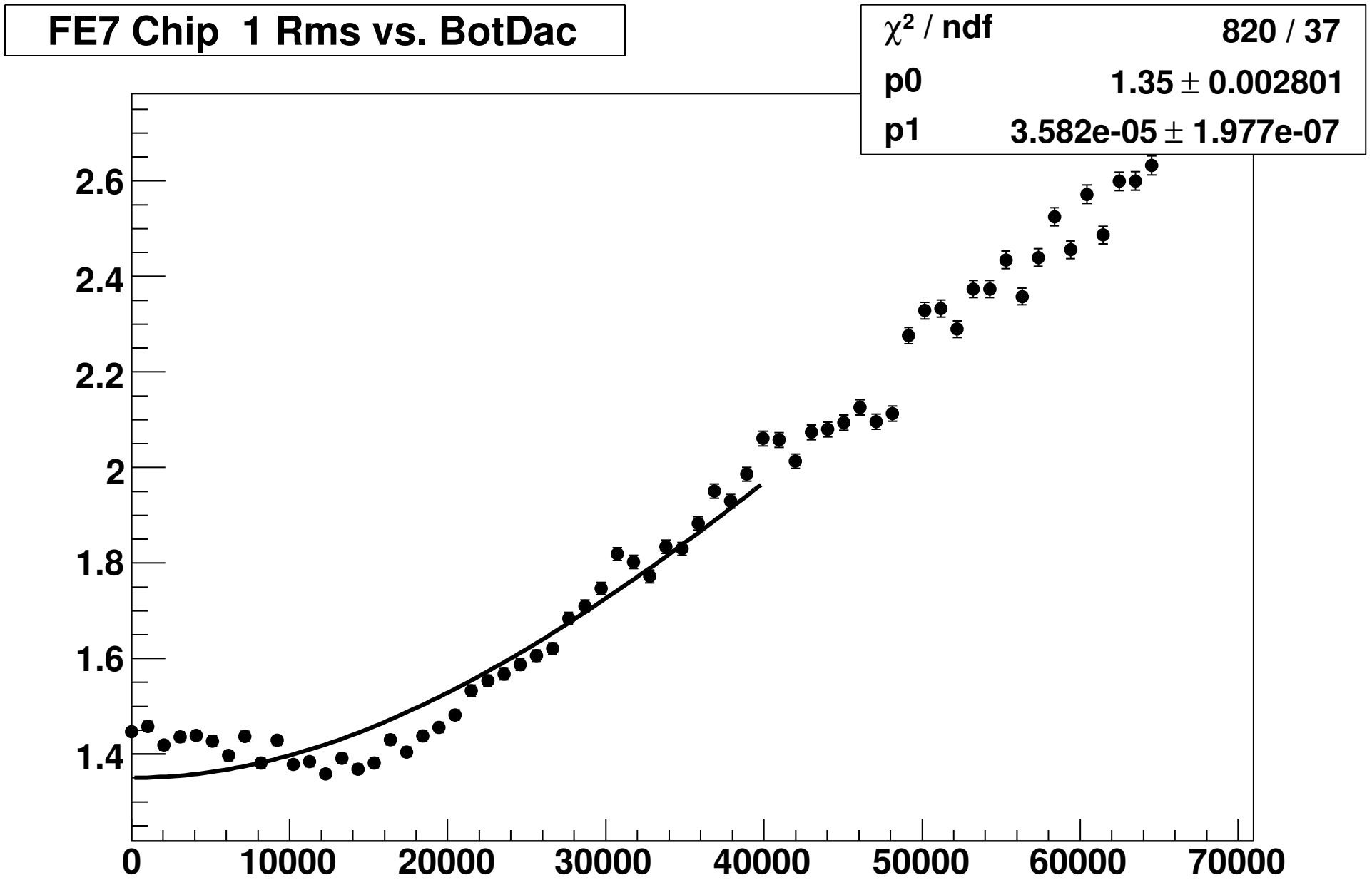
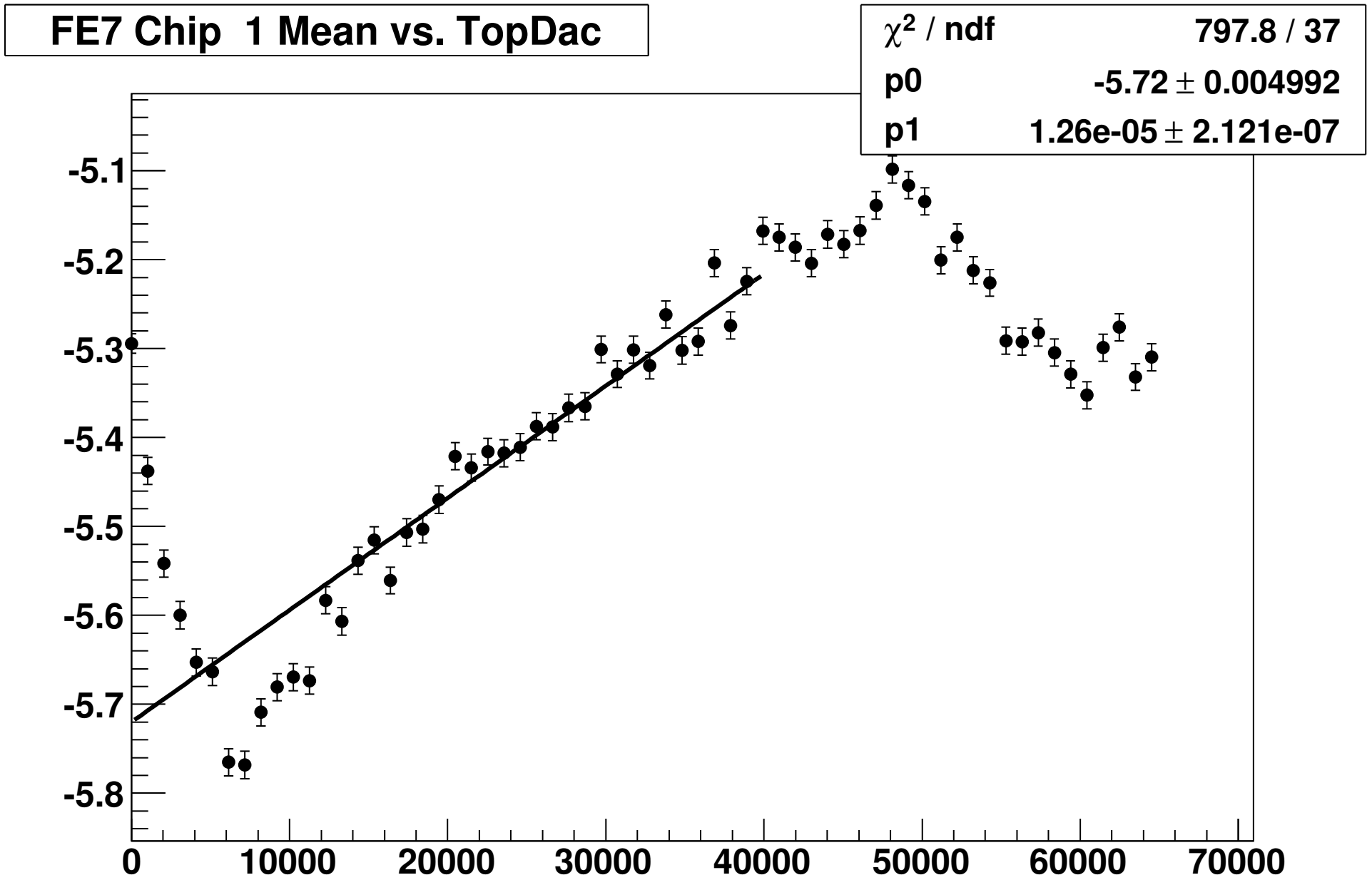

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 9.504e+04 / 37
p0 -5.272 ± 0.005103
p1 0.4512 ± 2.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 820 / 37
p0 1.35 ± 0.002801
p1 3.582e-05 ± 1.977e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 797.8 / 37
p0 -5.72 ± 0.004992
p1 1.26e-05 ± 2.121e-07
-5.1
-5.2
-5.3
-5.4
-5.5
-5.6
-5.7
-5.8
0
10000
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30000
40000
50000
60000
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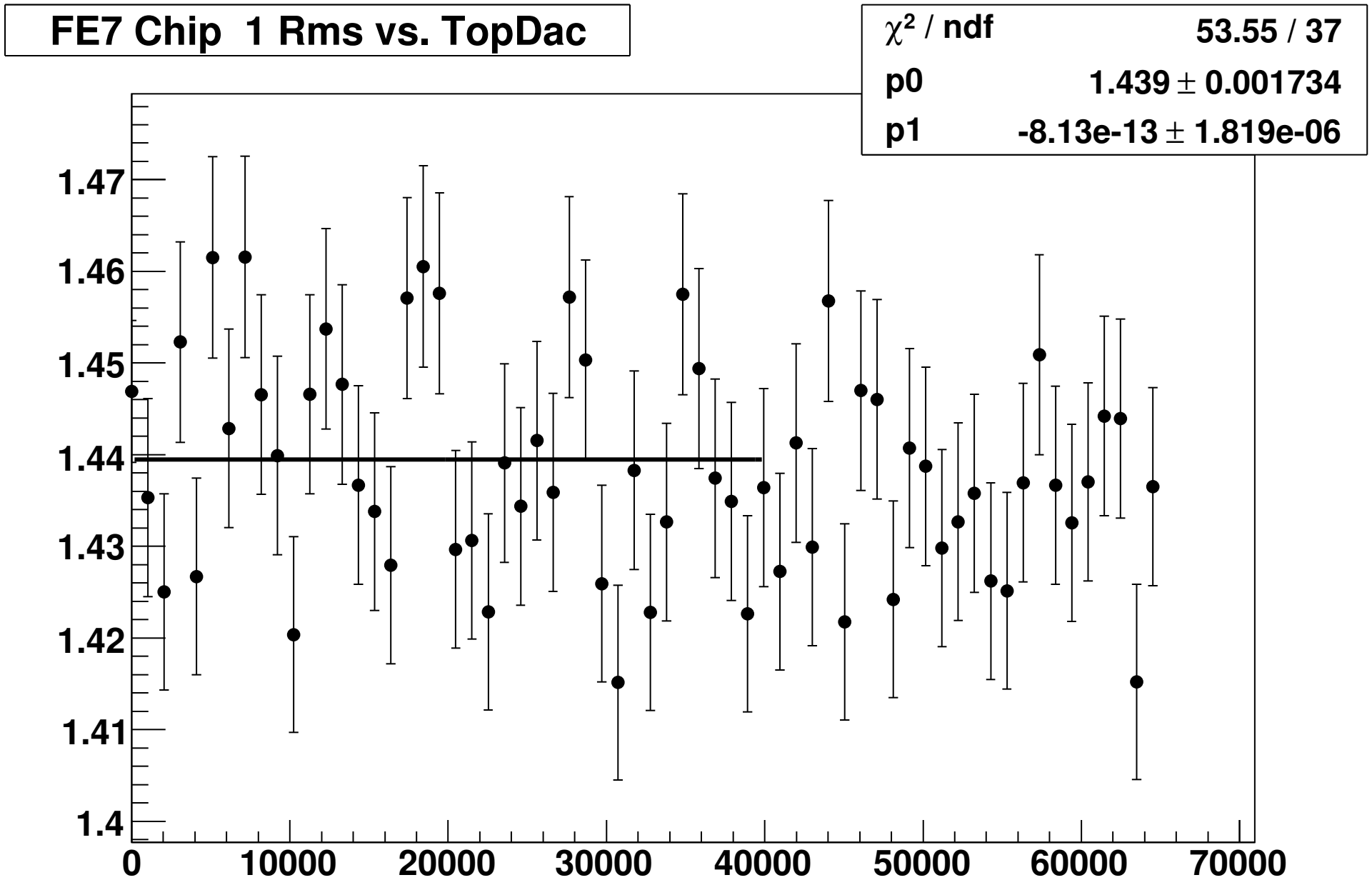
FE7 Chip 1 Rms vs. TopDac
χ² / ndf 53.55 / 37
p0 1.439 ± 0.001734
p1 -8.13e-13 ± 1.819e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
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50000
60000
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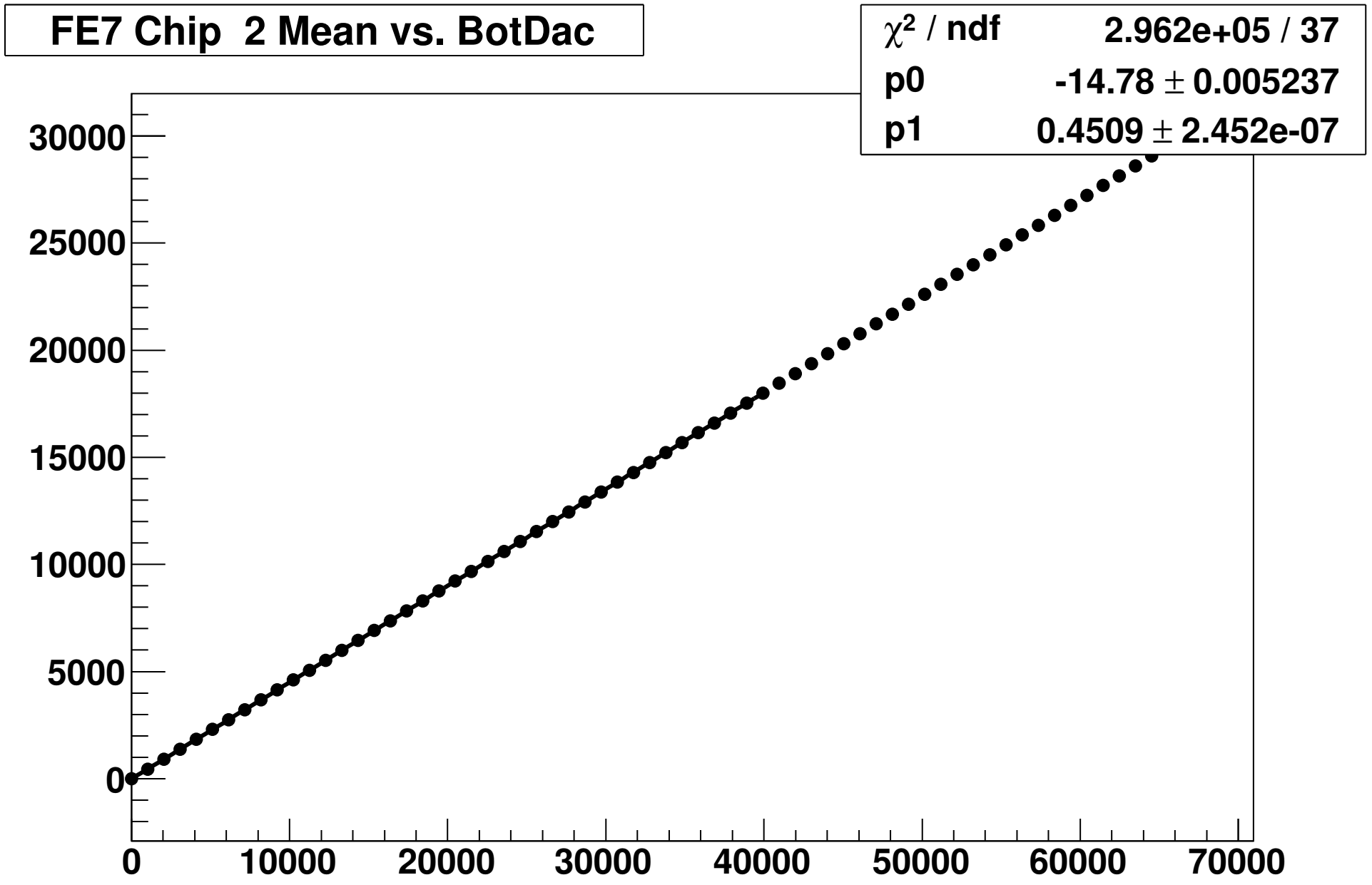
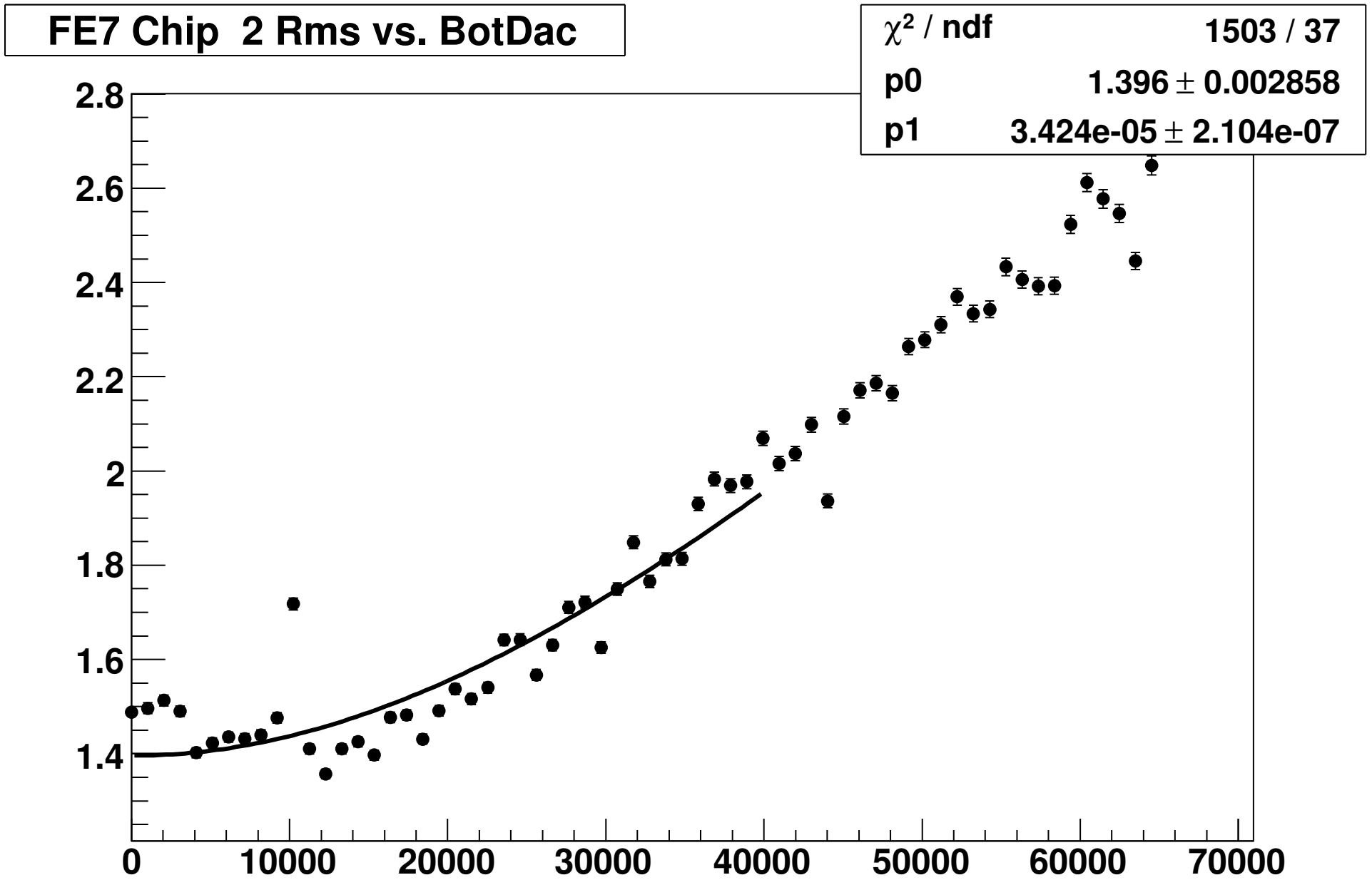

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 2.962e+05 / 37
p0 -14.78 ± 0.005237
p1 0.4509 ± 2.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1503 / 37
p0 1.396 ± 0.002858
p1 3.424e-05 ± 2.104e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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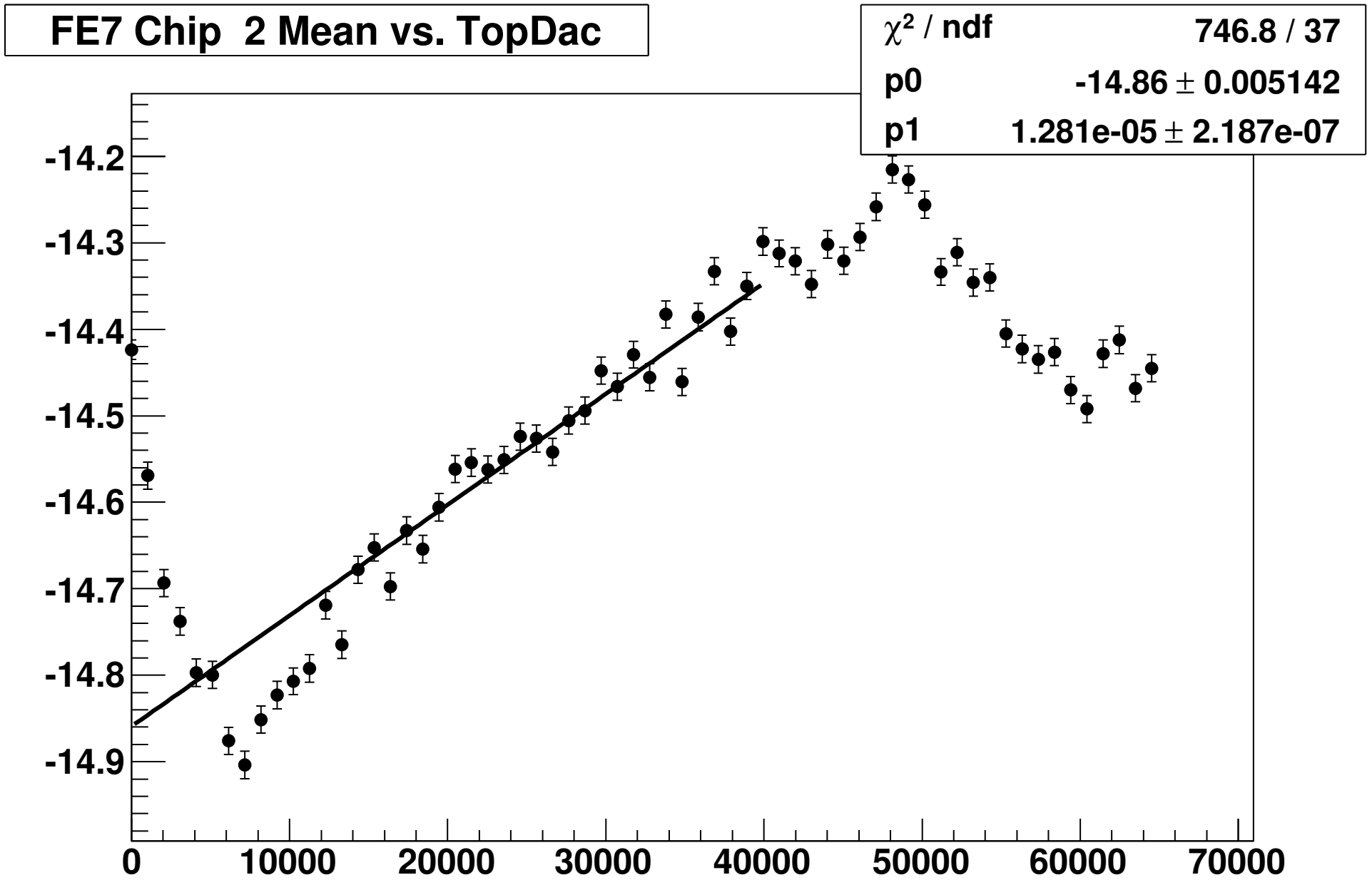
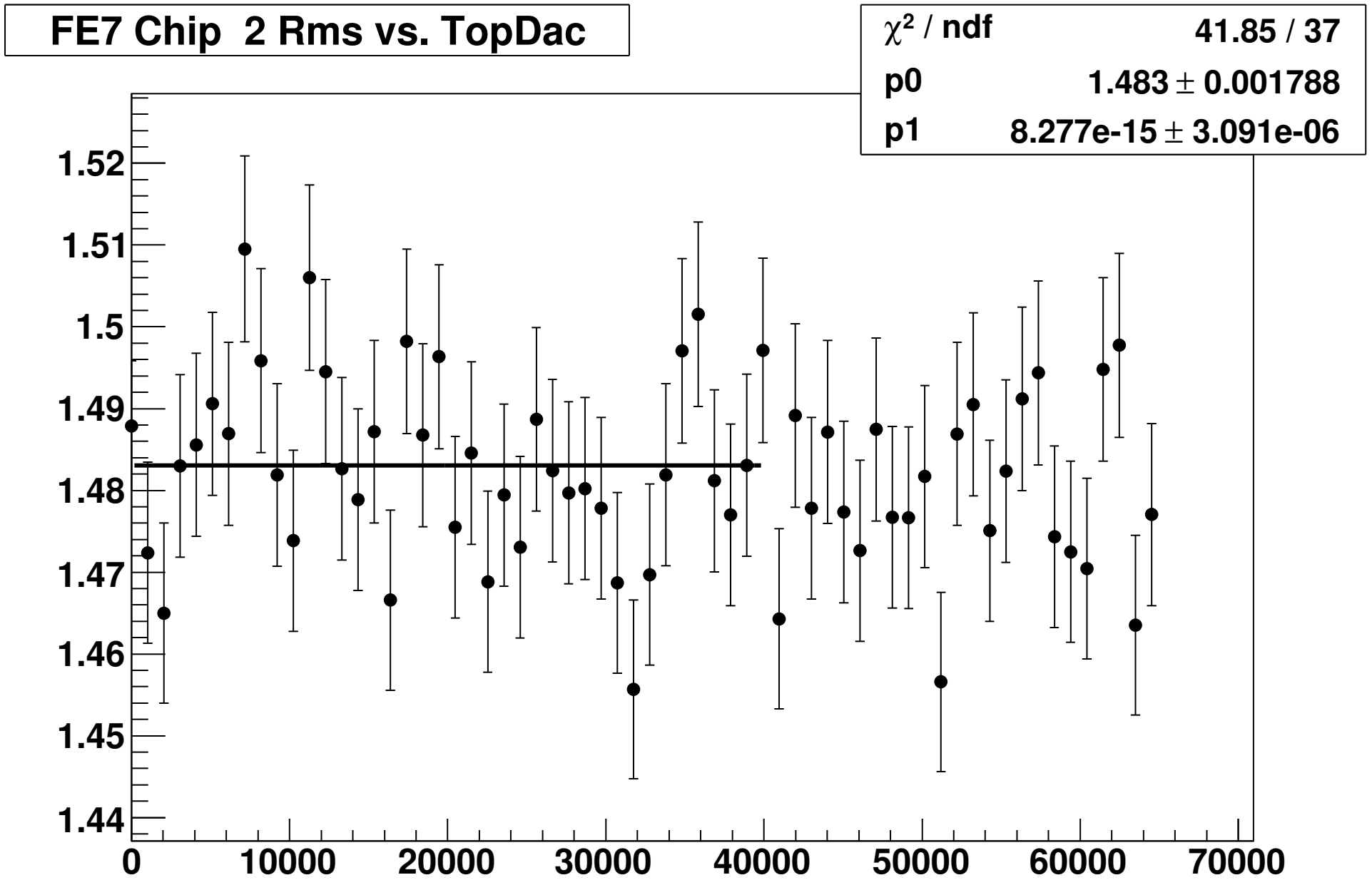
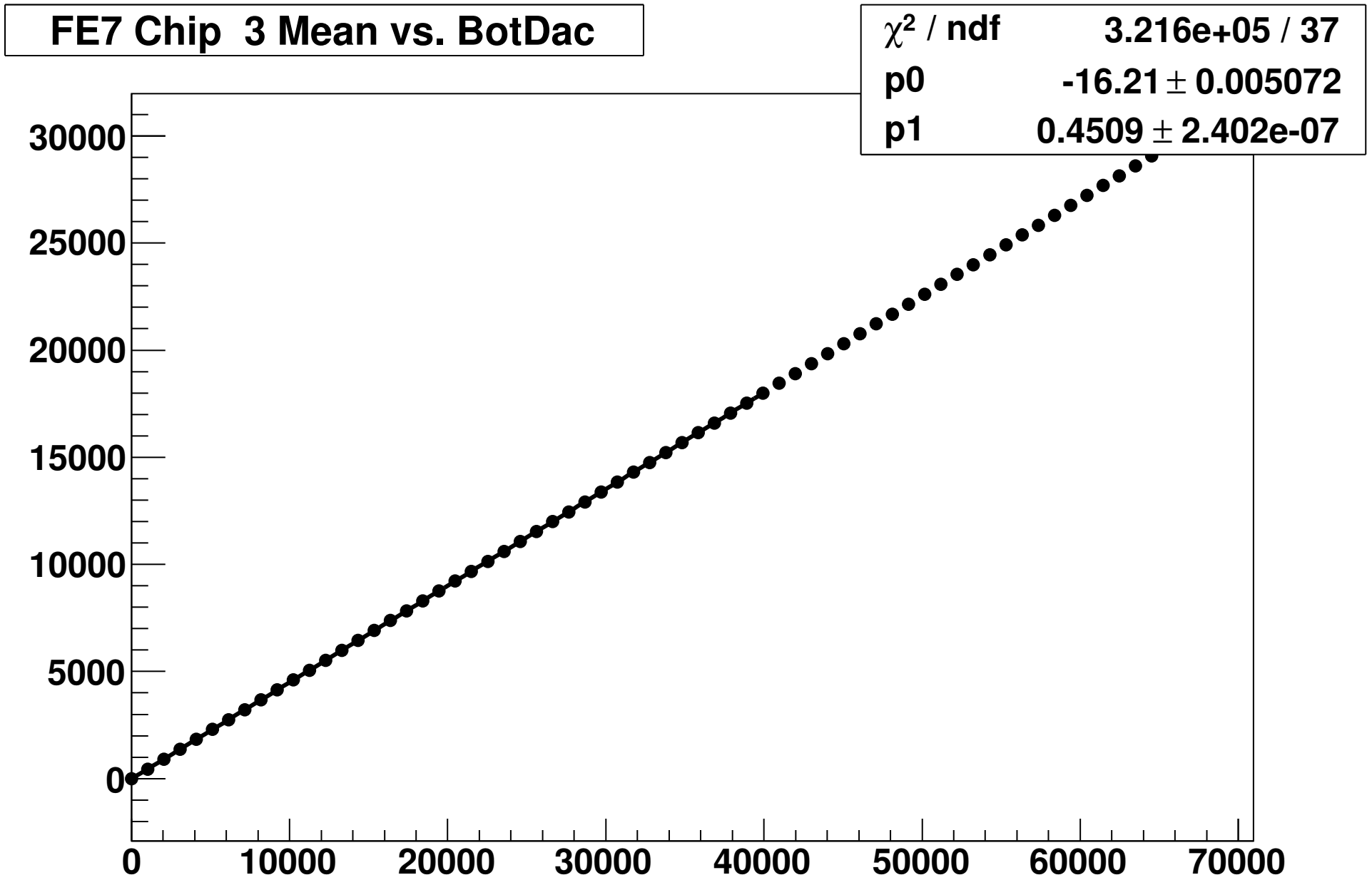
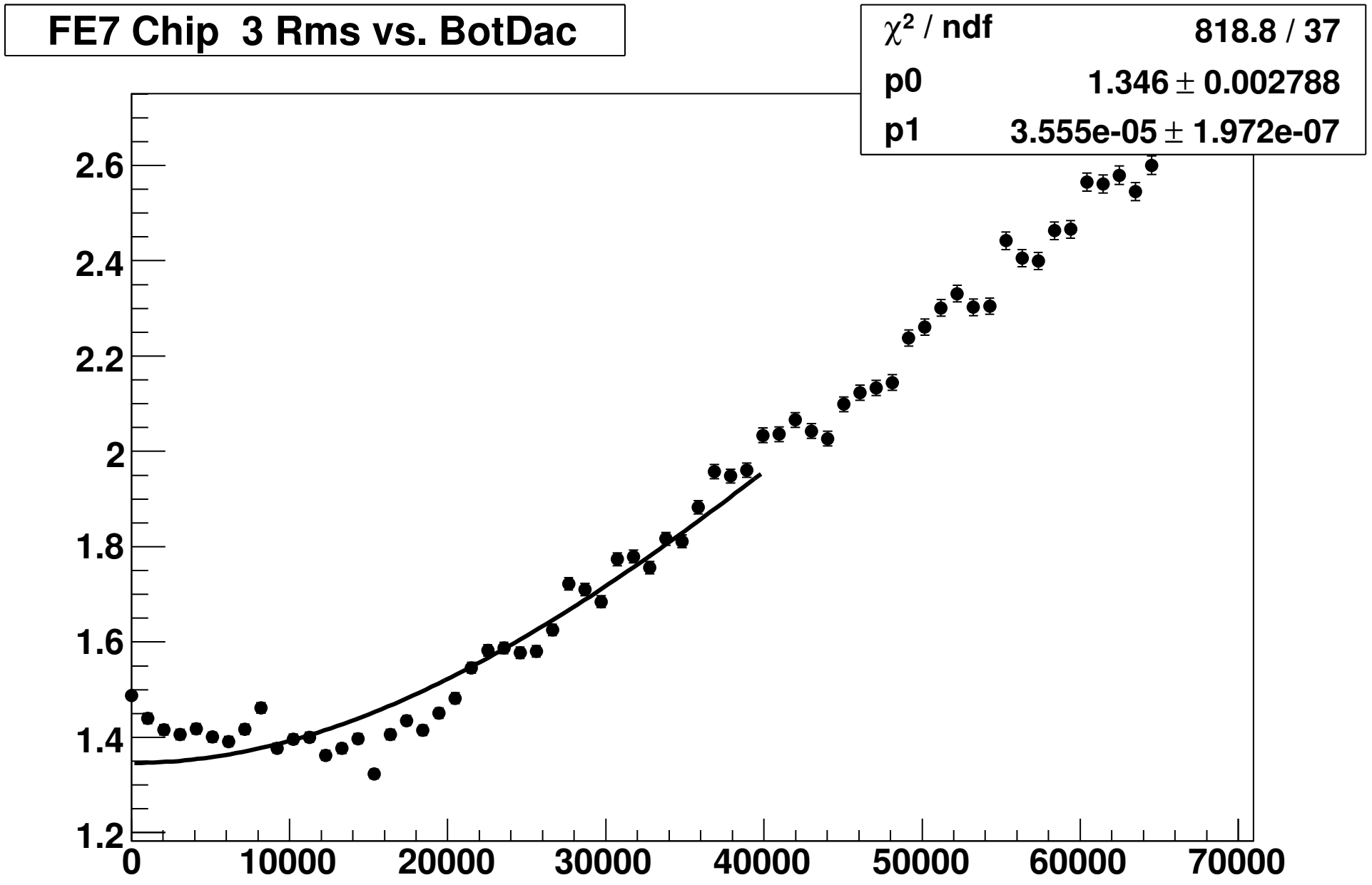
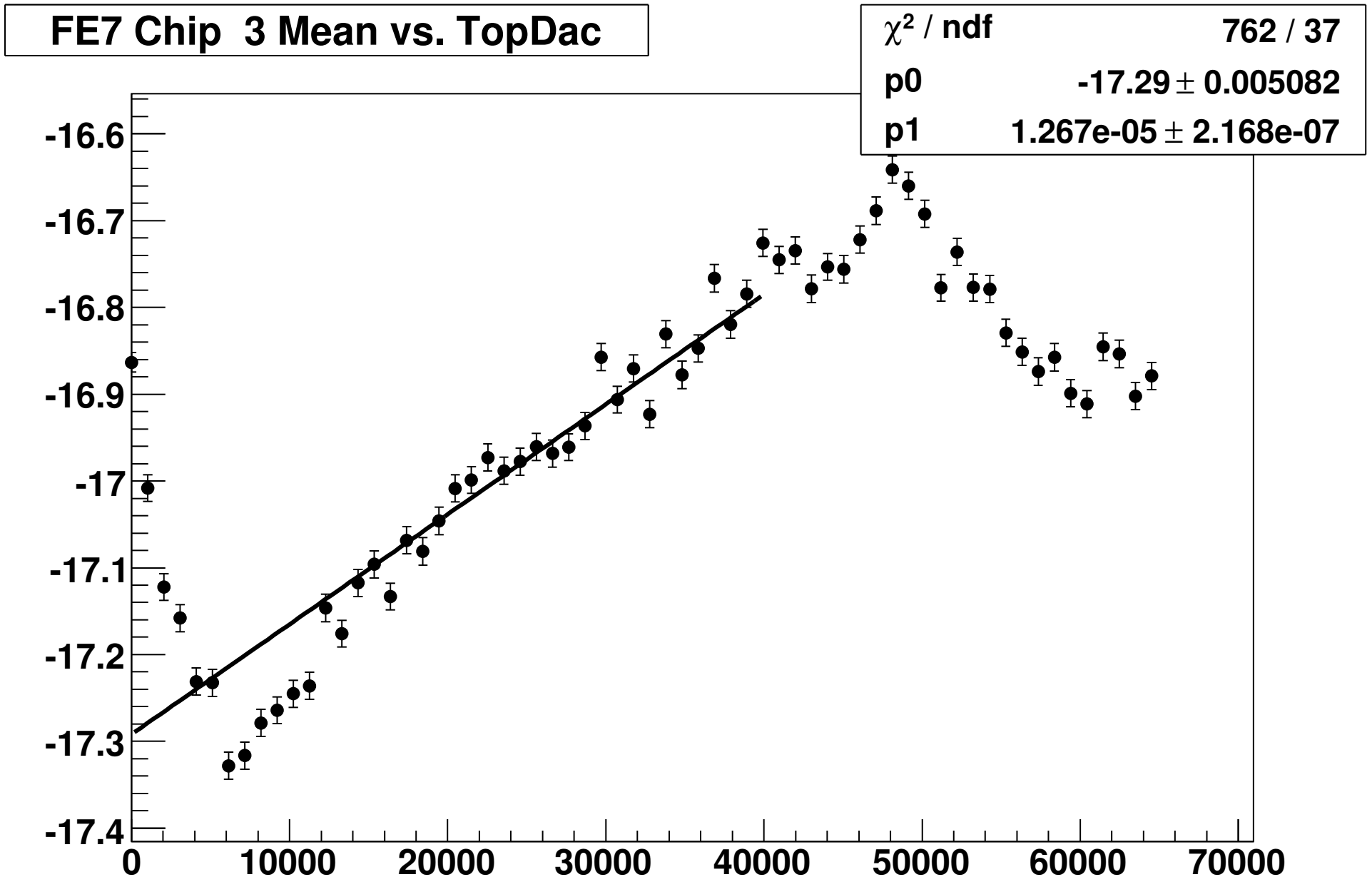

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 746.8 / 37
p0 -14.86 ± 0.005142
p1 1.281e-05 ± 2.187e-07
-14.2
-14.3
-14.4
-14.5
-14.6
-14.7
-14.8
-14.9
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 41.85 / 37
p0 1.483 ± 0.001788
p1 8.277e-15 ± 3.091e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 3.216e+05 / 37
p0 -16.21 ± 0.005072
p1 0.4509 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 818.8 / 37
p0 1.346 ± 0.002788
p1 3.555e-05 ± 1.972e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 762 / 37
p0 -17.29 ± 0.005082
p1 1.267e-05 ± 2.168e-07
-16.6
-16.7
-16.8
-16.9
-17
-17.1
-17.2
-17.3
-17.4
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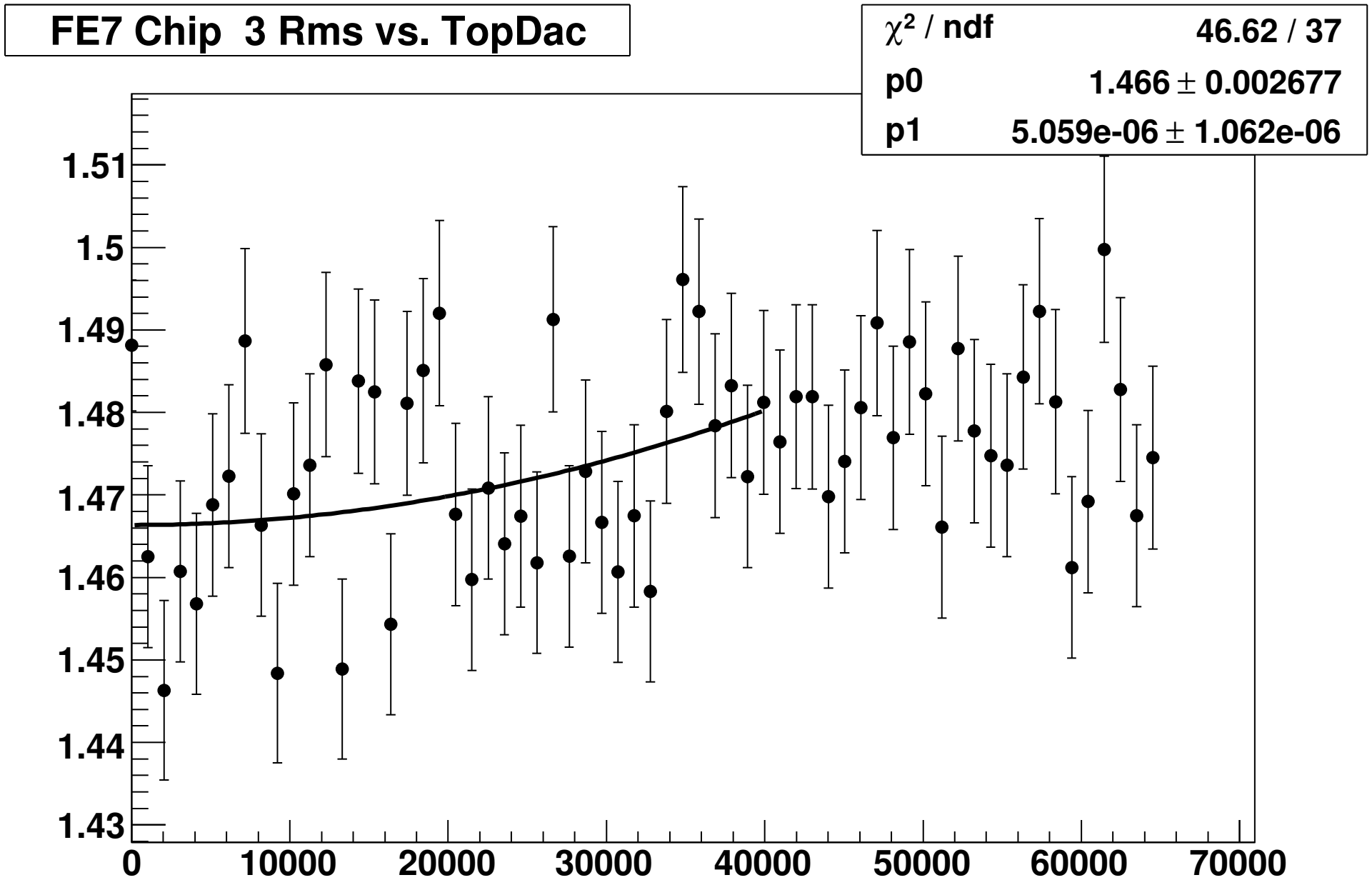
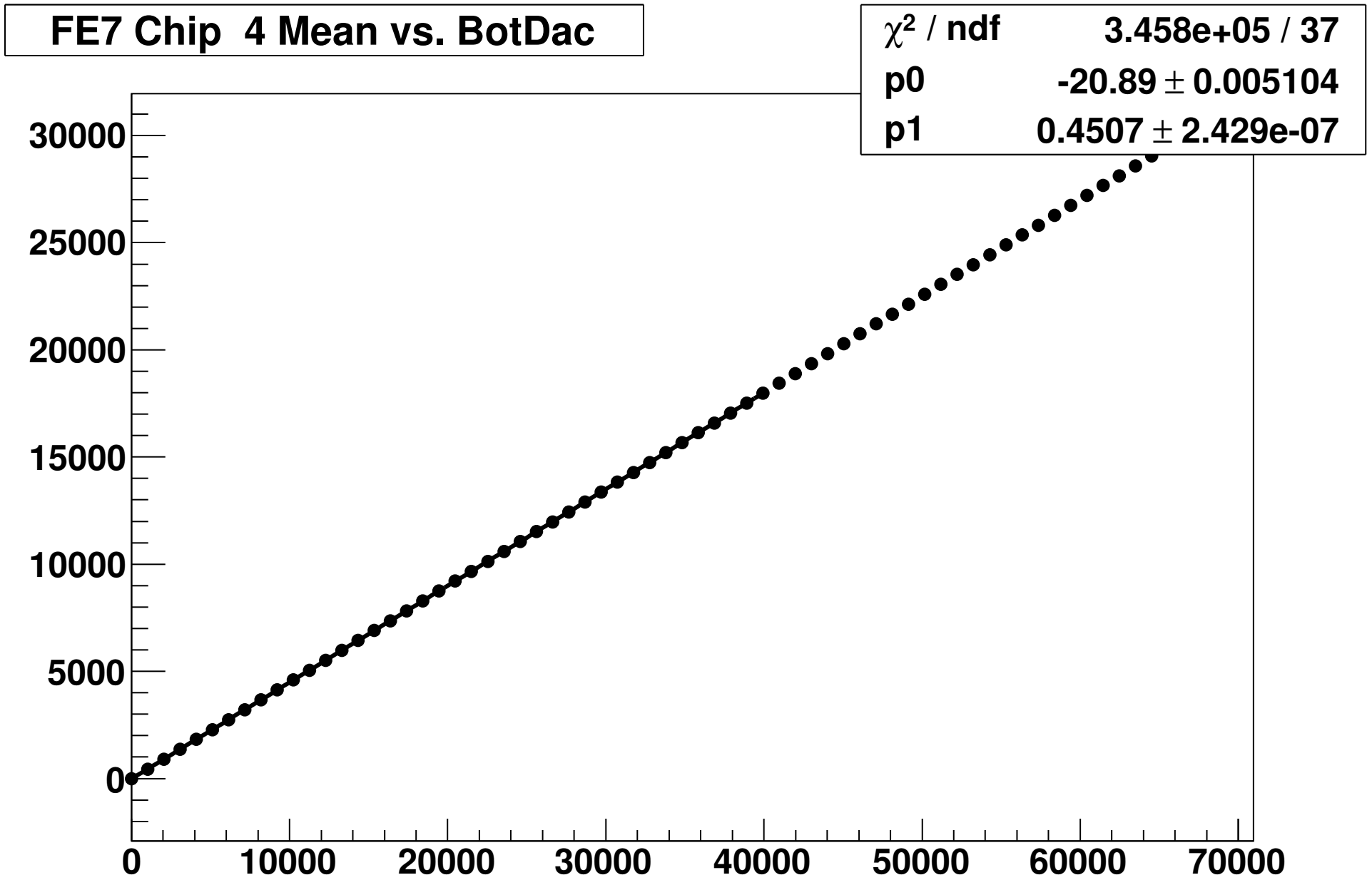
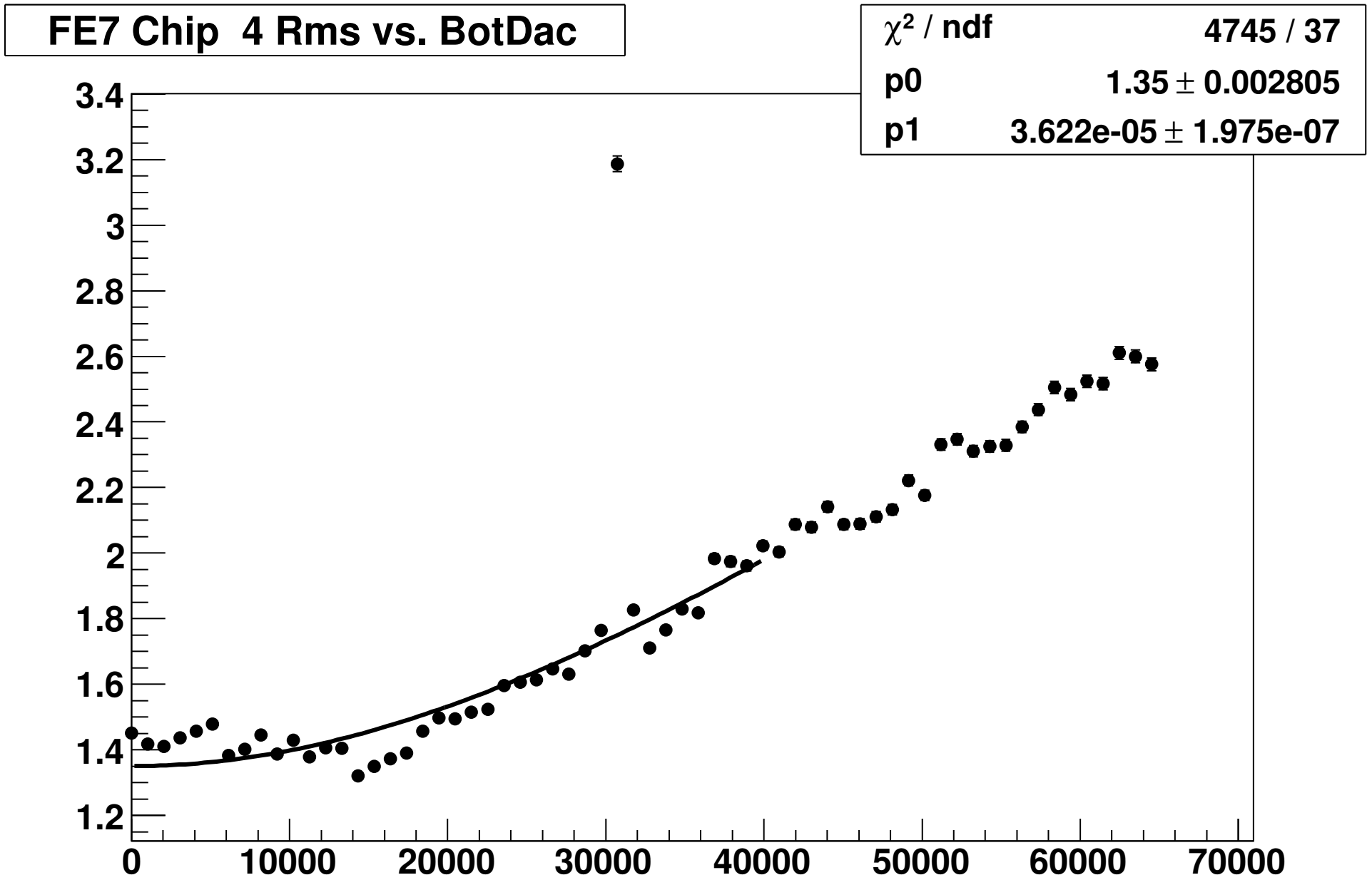
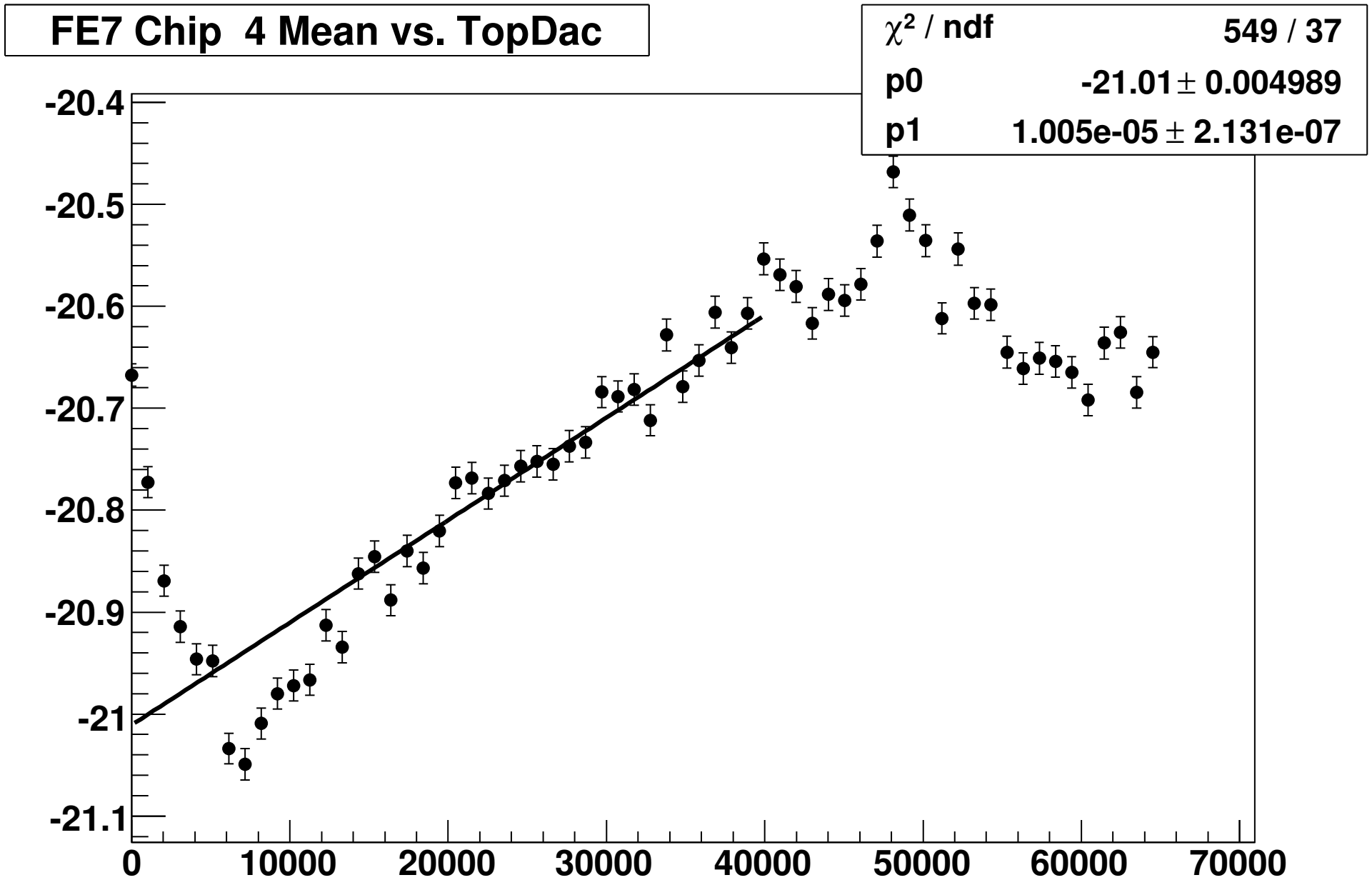
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 46.62 / 37
p0 1.466 ± 0.002677
p1 5.059e-06 ± 1.062e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 3.458e+05 / 37
p0 -20.89 ± 0.005104
p1 0.4507 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 4745 / 37
p0 1.35 ± 0.002805
p1 3.622e-05 ± 1.975e-07
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 549 / 37
p0 -21.01 ± 0.004989
p1 1.005e-05 ± 2.131e-07
-20.4
-20.5
-20.6
-20.7
-20.8
-20.9
-21
-21.1
0
10000
20000
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40000
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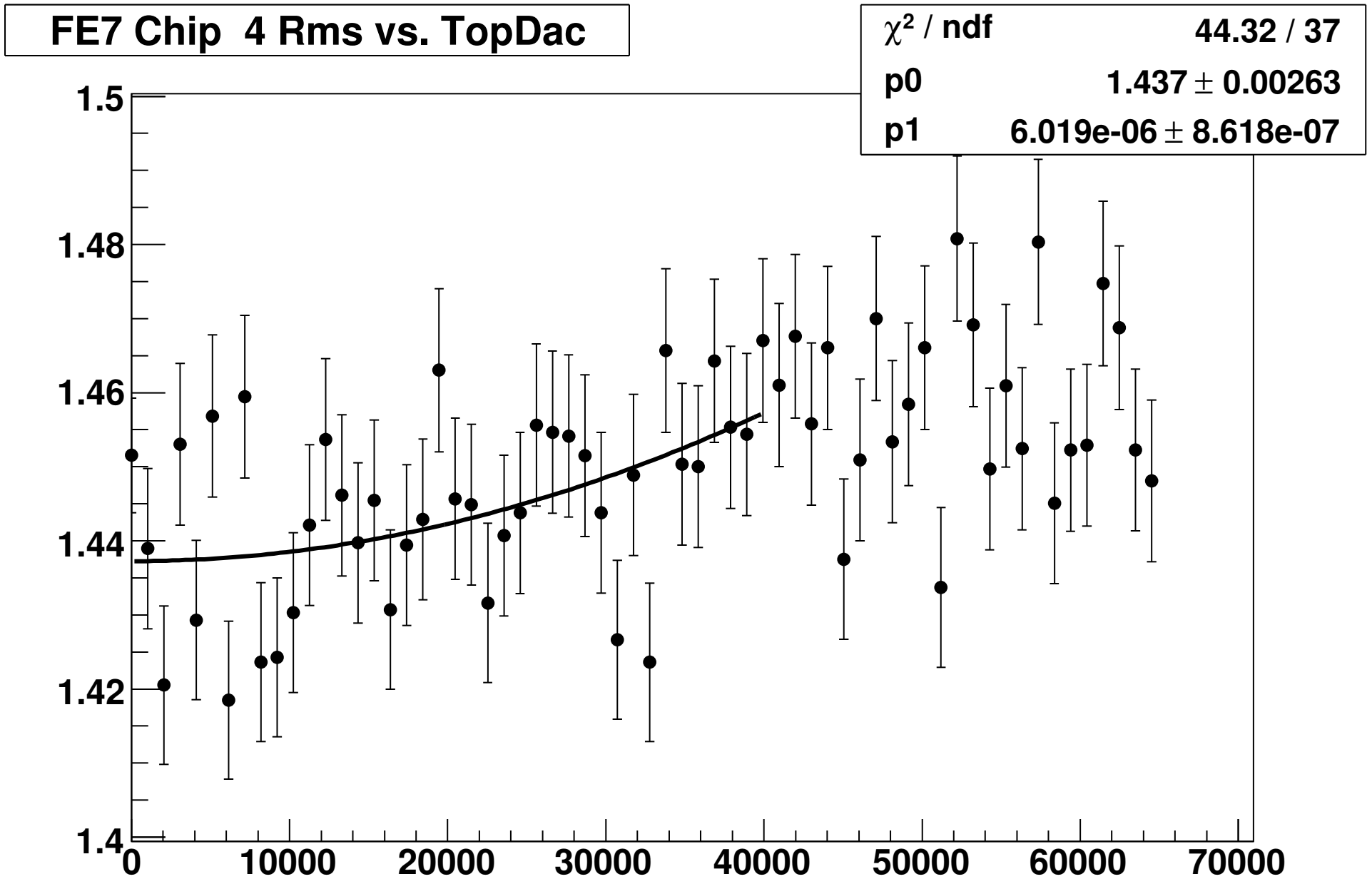
60000
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 44.32 / 37
p0 1.437 ± 0.00263
p1 6.019e-06 ± 8.618e-07
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
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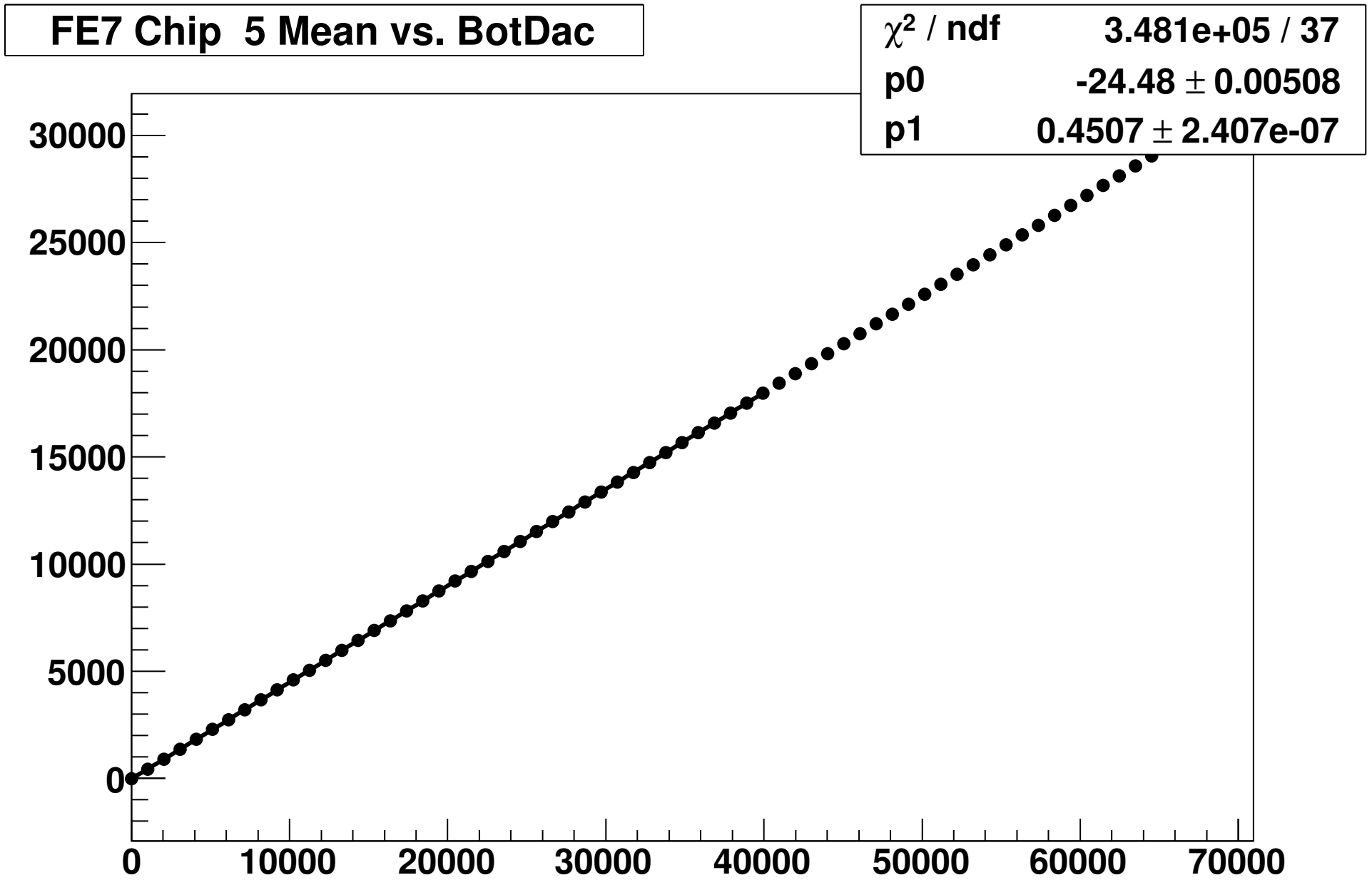
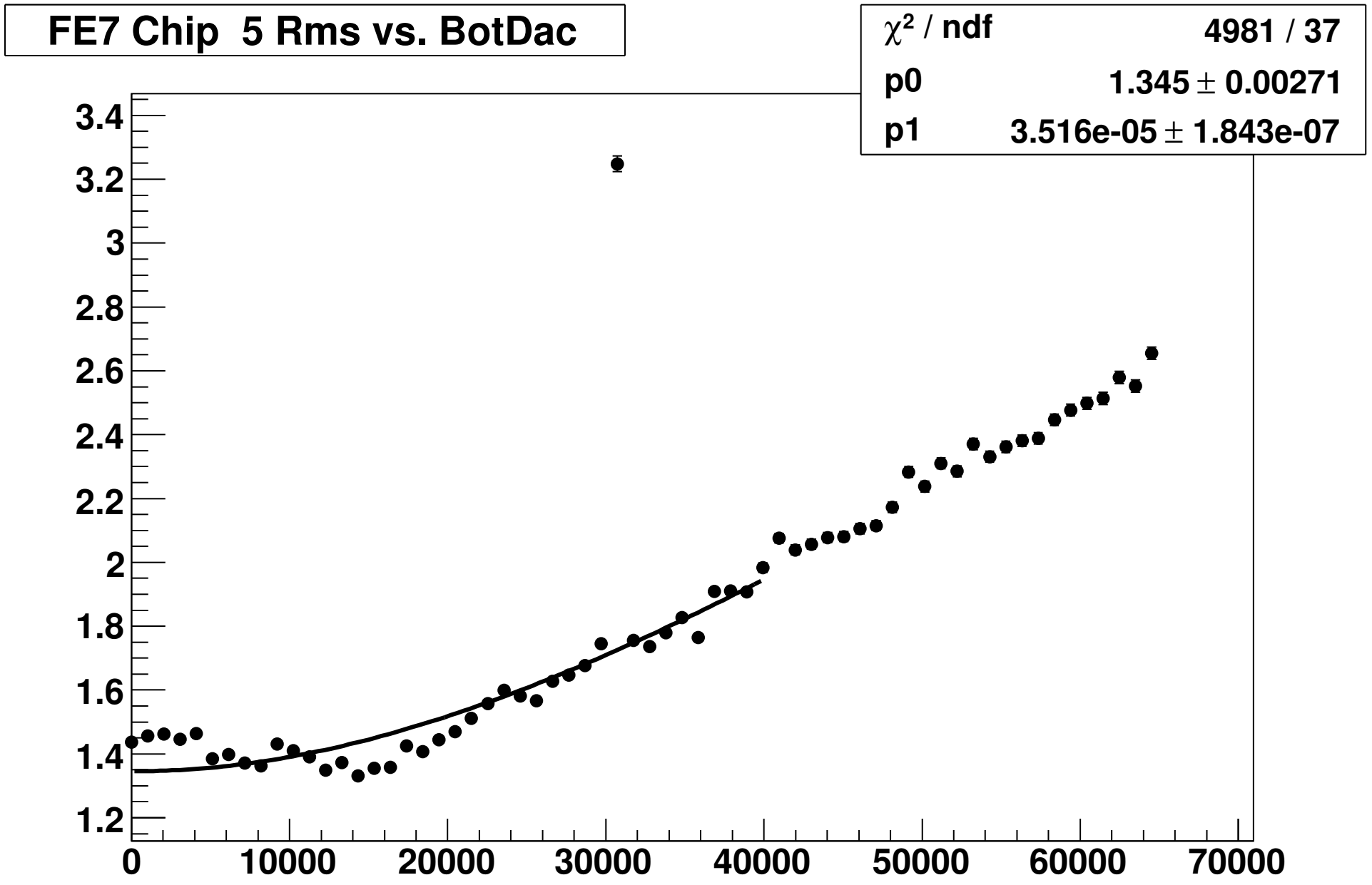
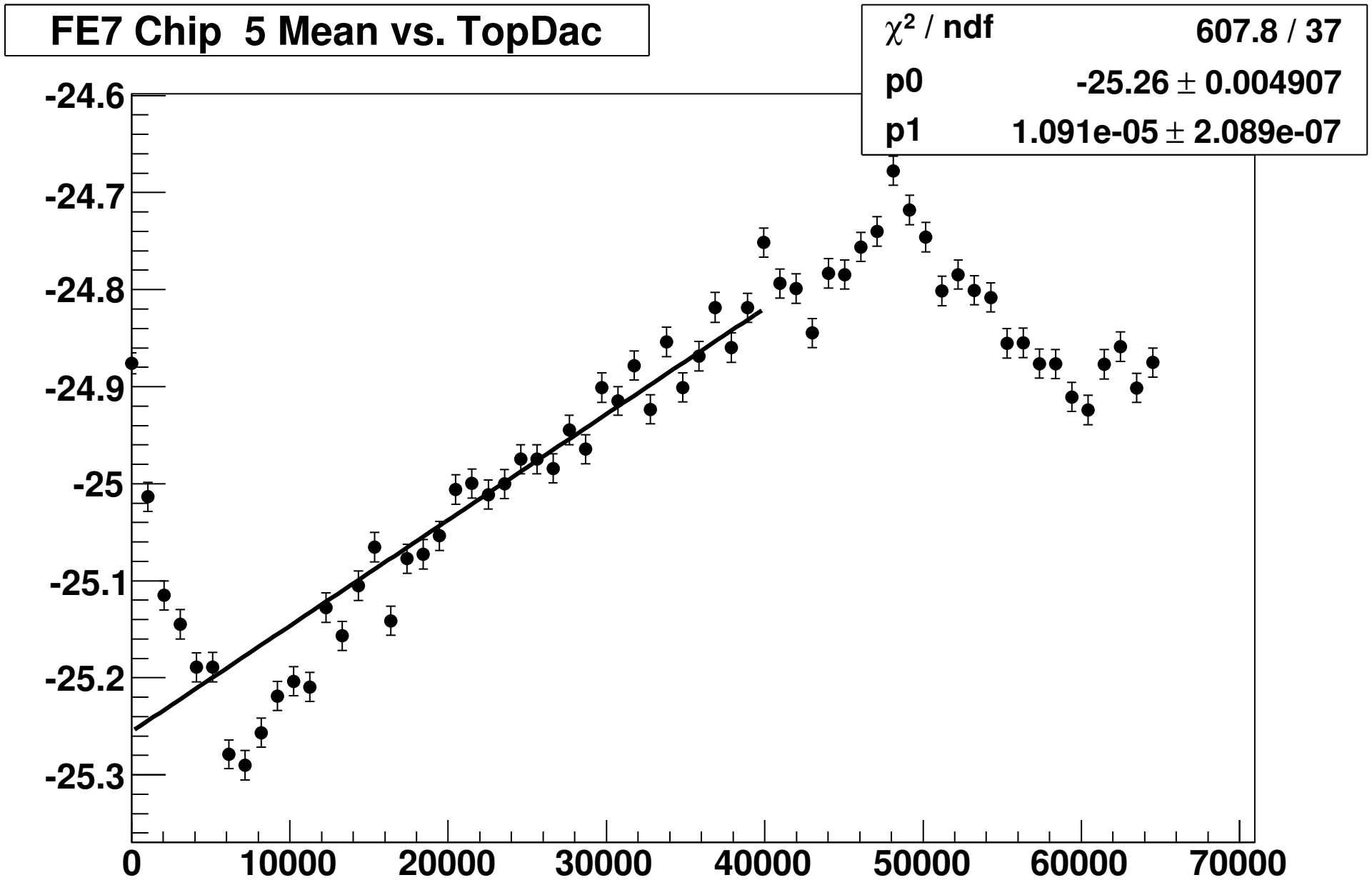
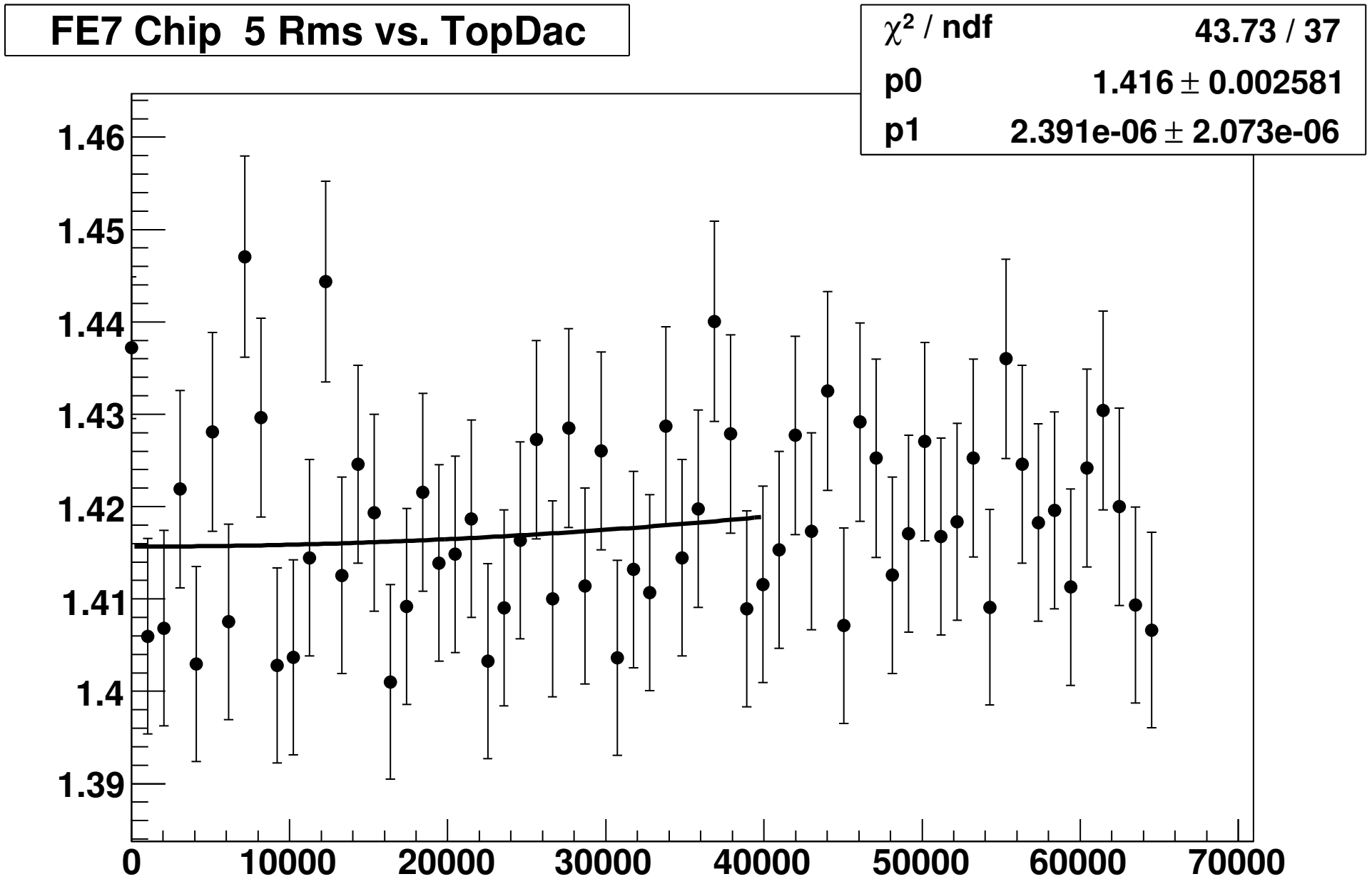
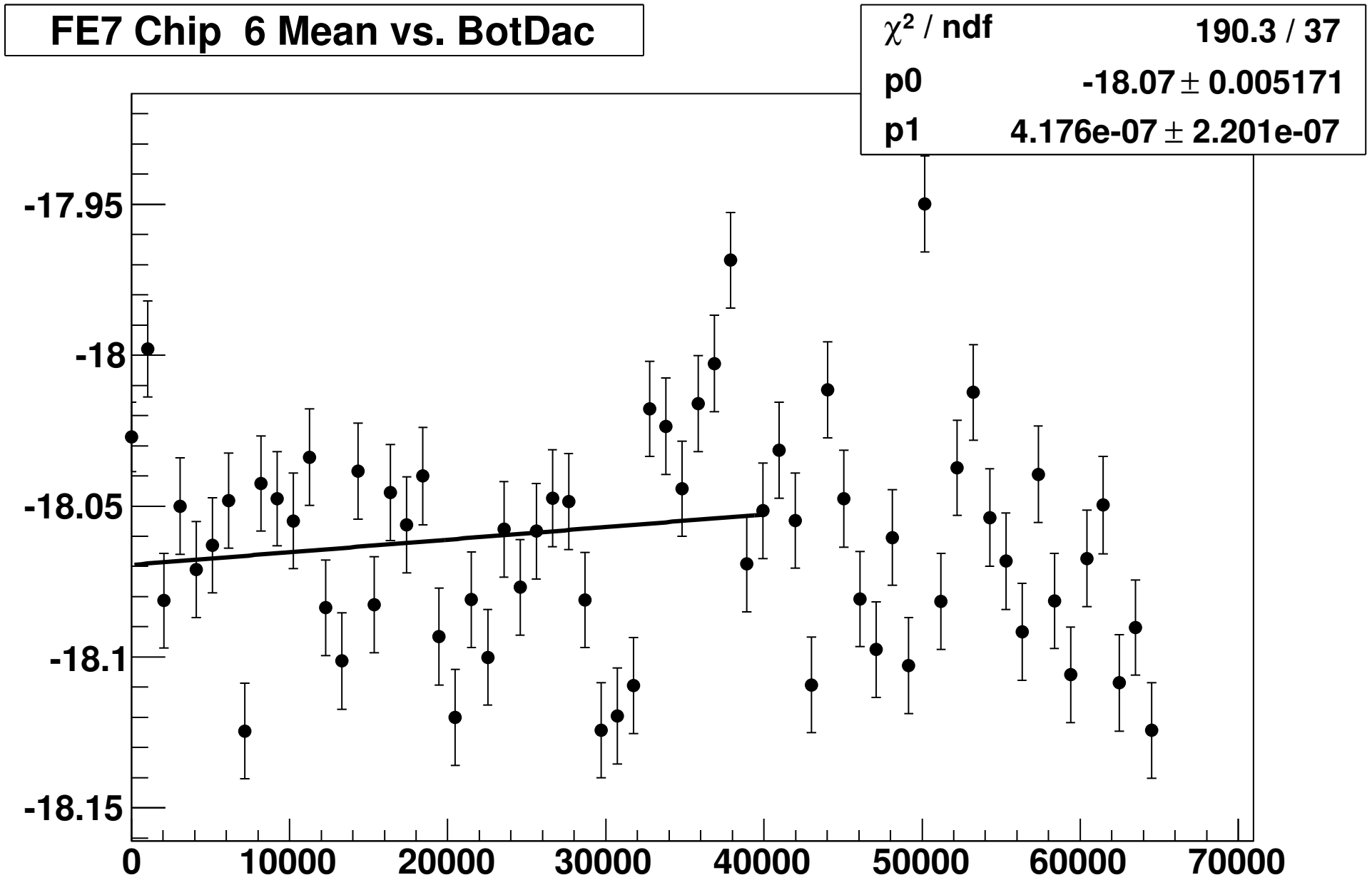
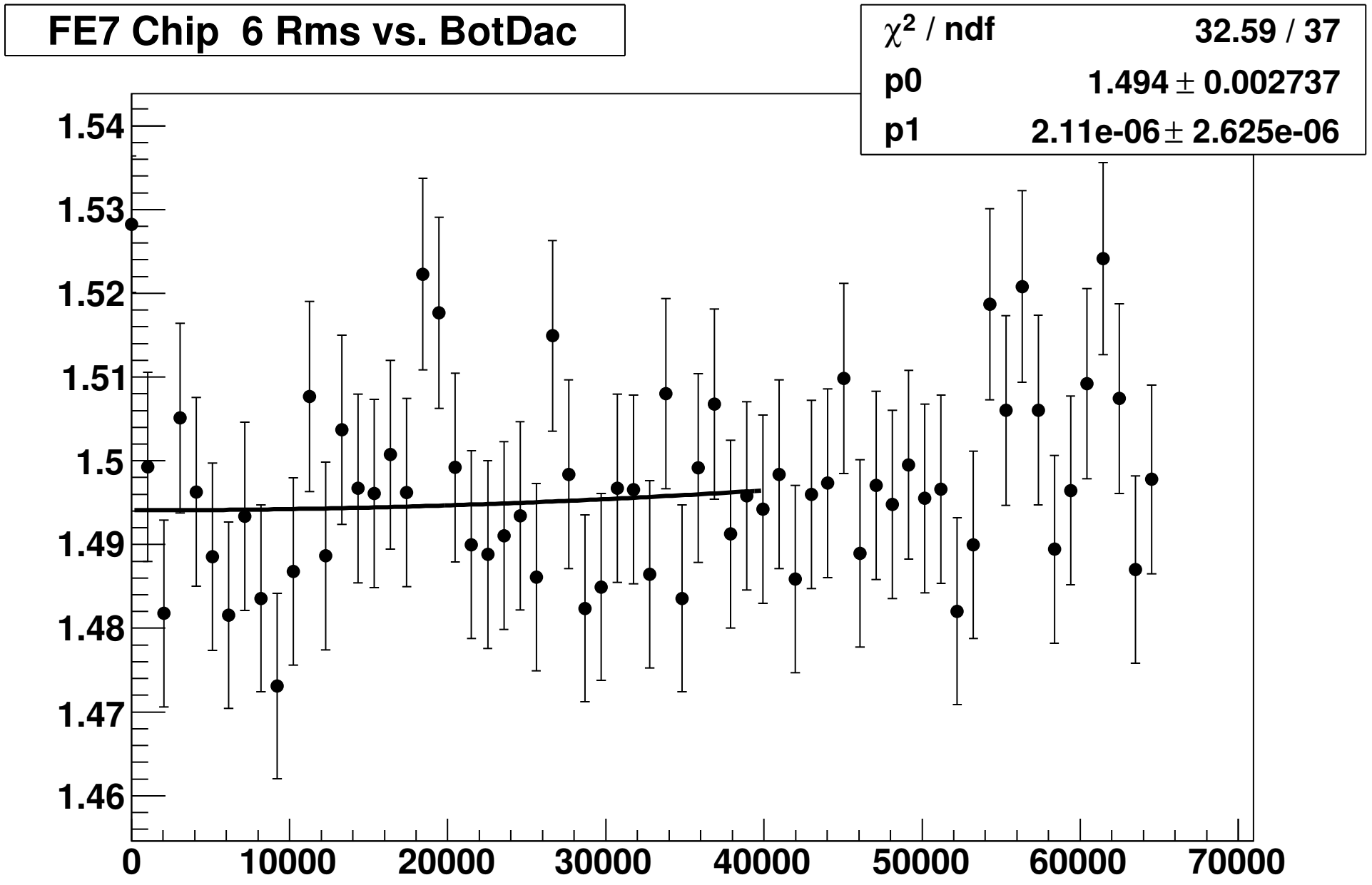

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.481e+05 / 37
p0 -24.48 ± 0.00508
p1 0.4507 ± 2.407e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

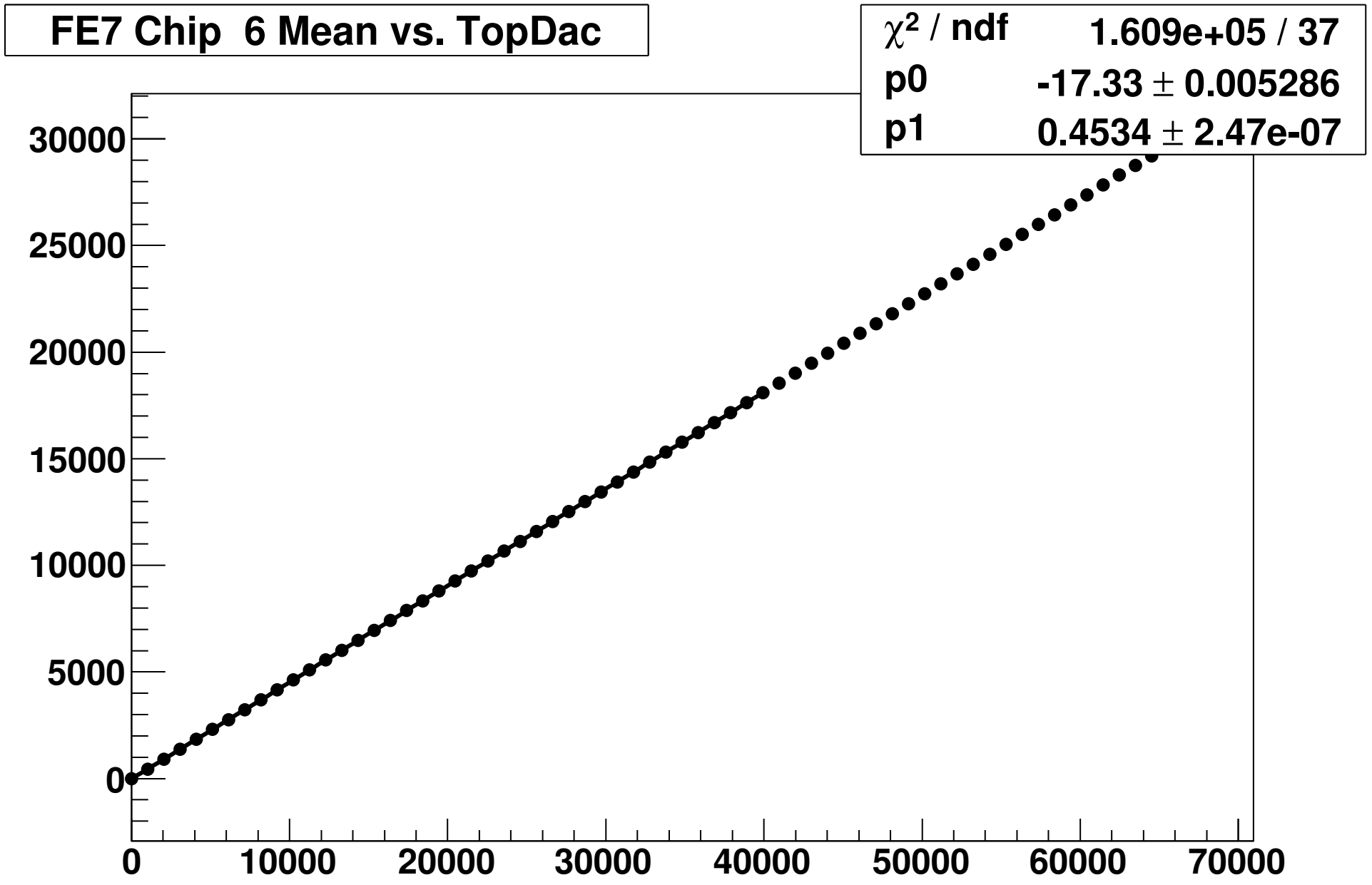

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 4981 / 37
p0 1.345 ± 0.00271
p1 3.516e-05 ± 1.843e-07
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

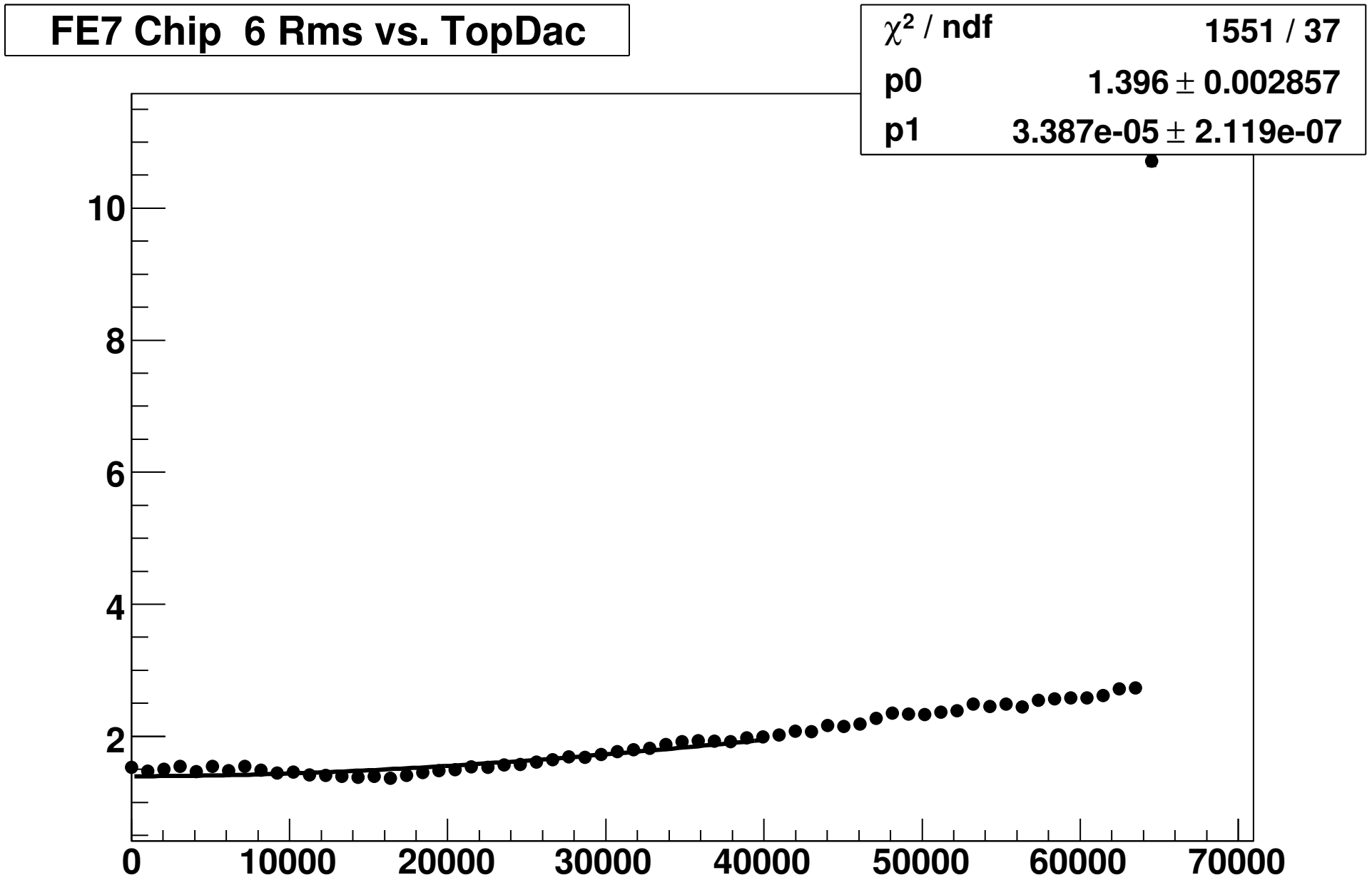

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 607.8 / 37
p0 -25.26 ± 0.004907
p1 1.091e-05 ± 2.089e-07
-24.6
-24.7
-24.8
-24.9
-25
-25.1
-25.2
-25.3
0
10000
20000
30000
40000
50000
60000
70000

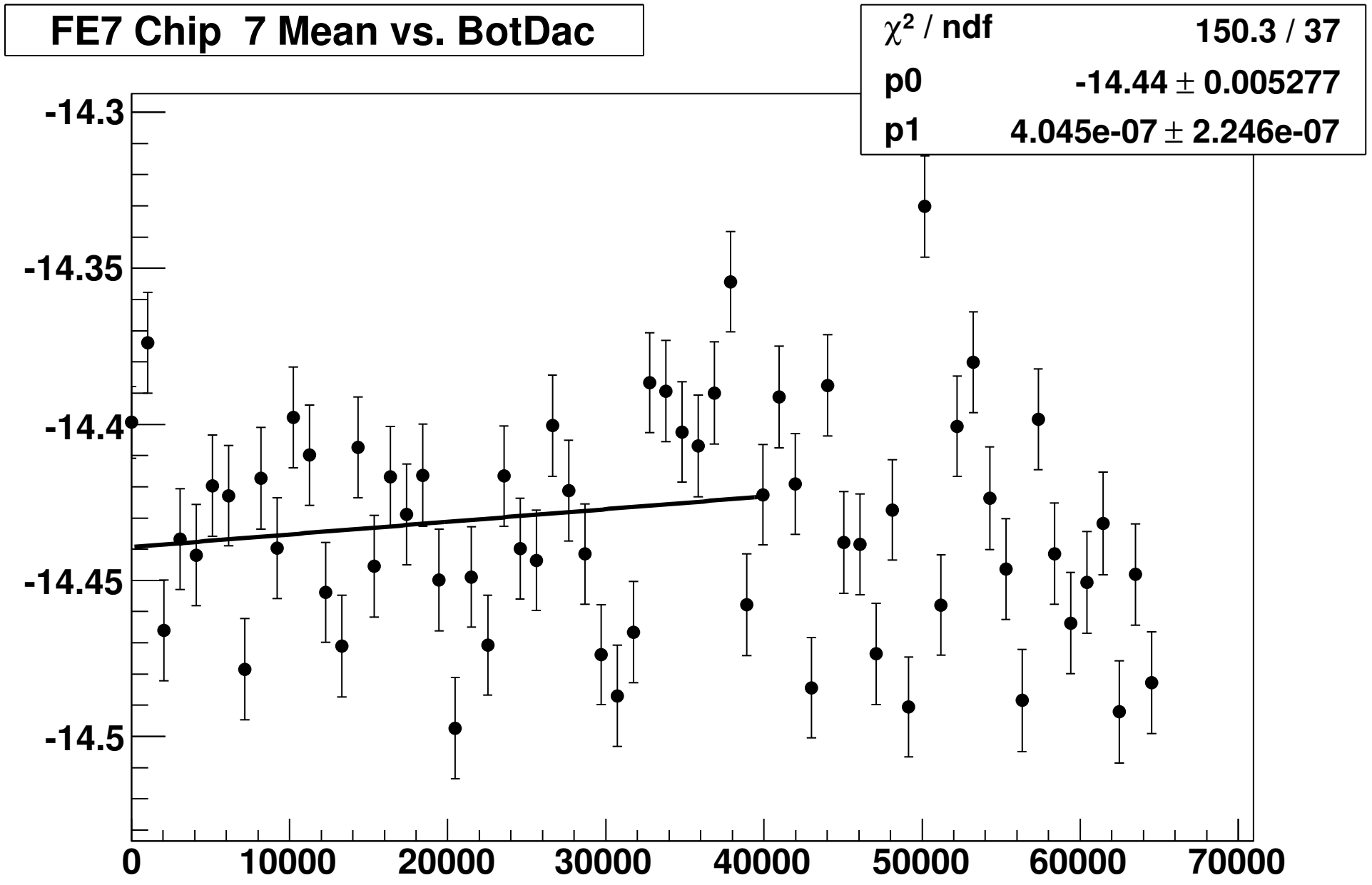

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 43.73 / 37
p0 1.416 ± 0.002581
p1 2.391e-06 ± 2.073e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

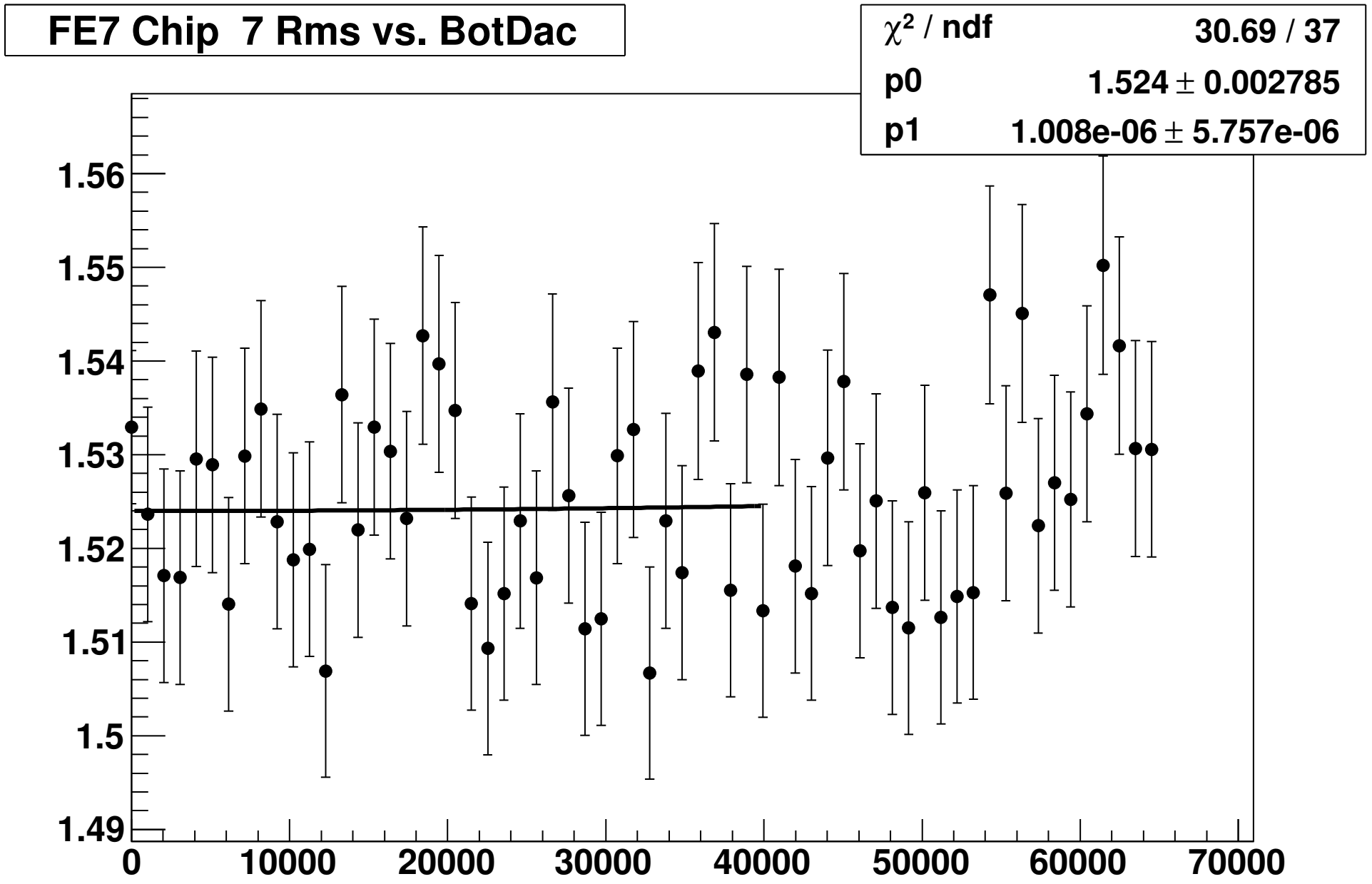

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 190.3 / 37
p0 -18.07 ± 0.005171
p1 4.176e-07 ± 2.201e-07
-17.95
-18
-18.05
-18.1
-18.15
0
10000
20000
30000
40000
50000
60000
70000

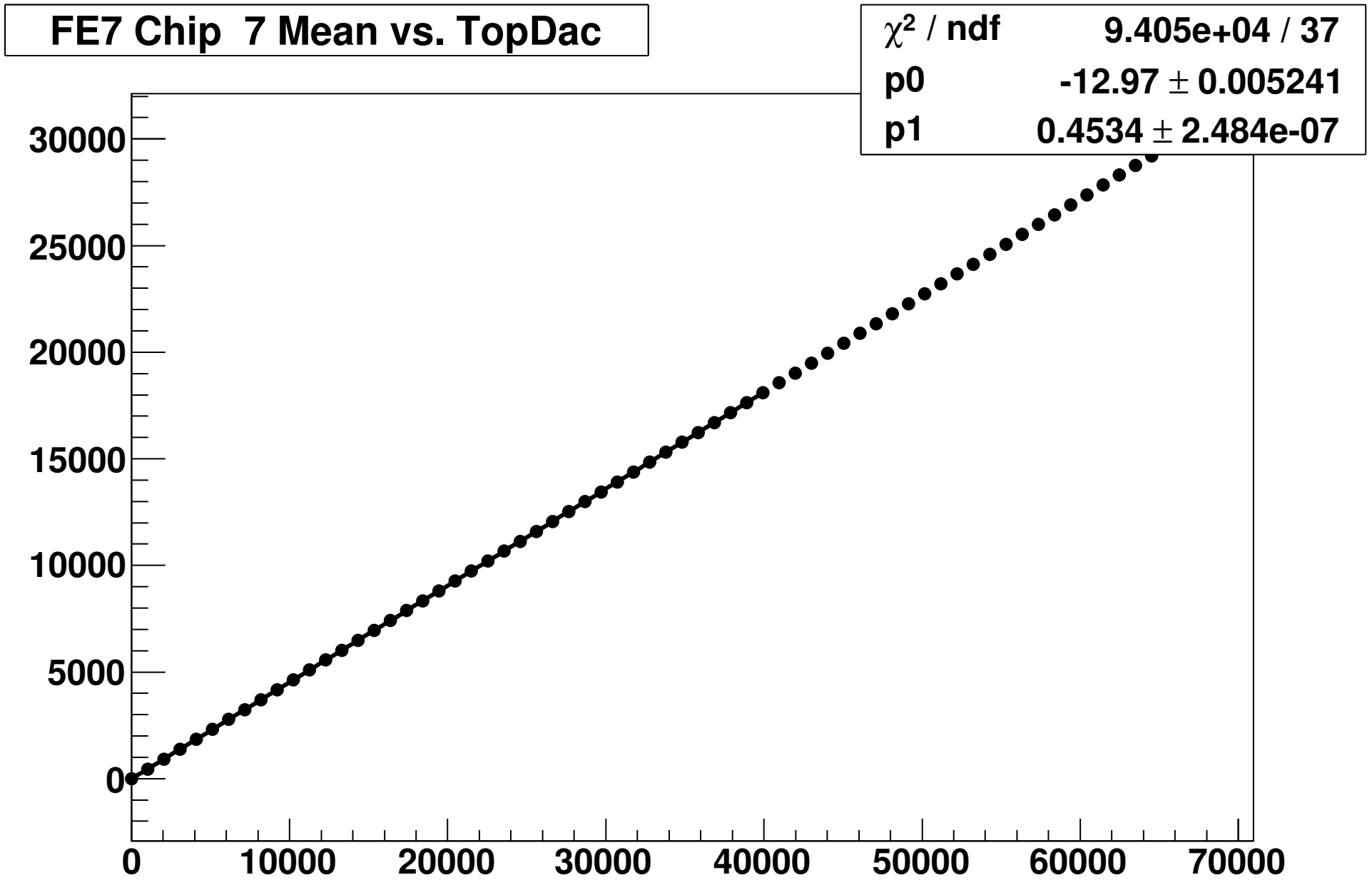

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 32.59 / 37
p0 1.494 ± 0.002737
p1 2.11e-06 ± 2.625e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

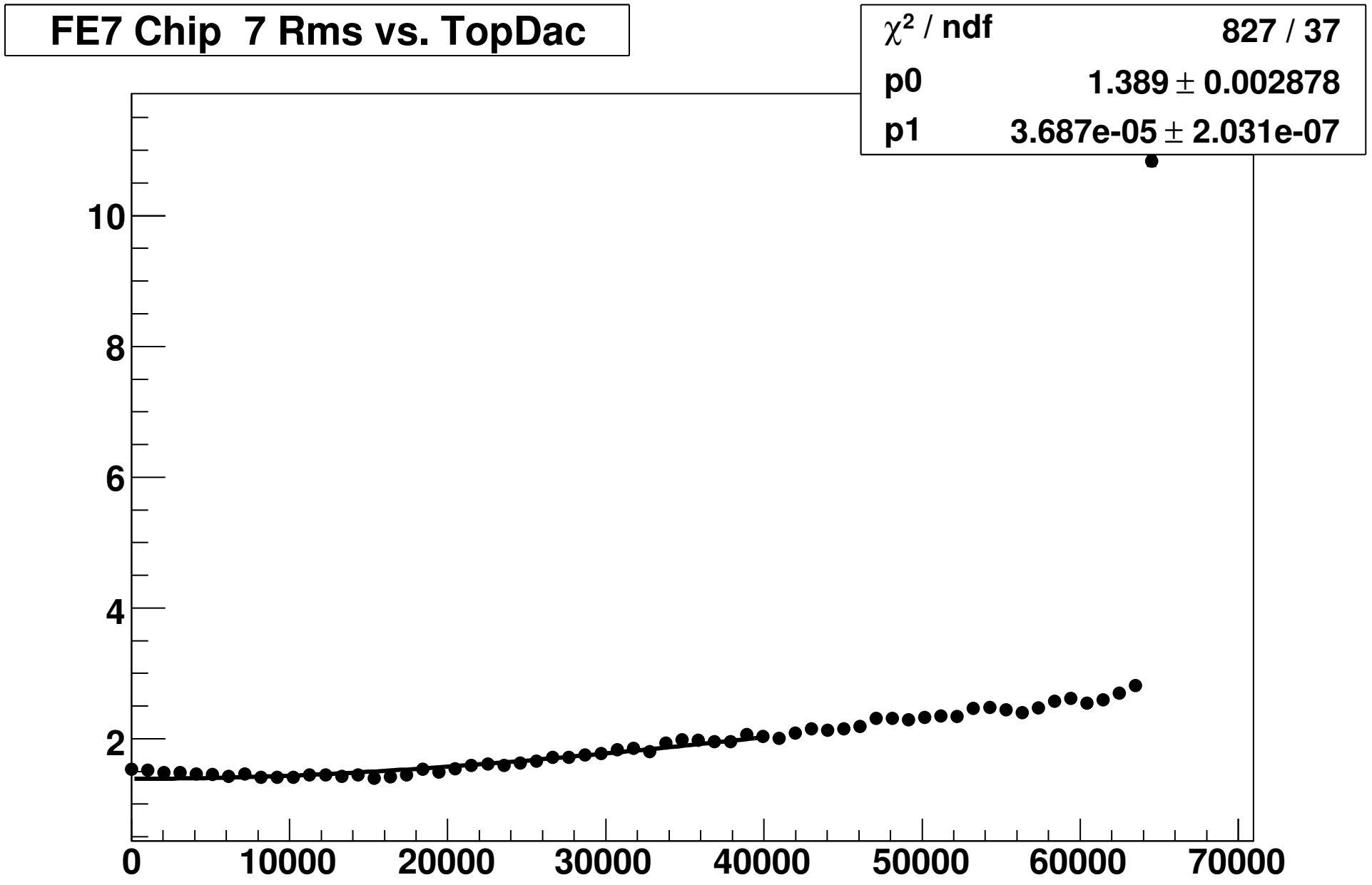

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.609e+05 / 37
p0 -17.33 ± 0.005286
p1 0.4534 ± 2.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

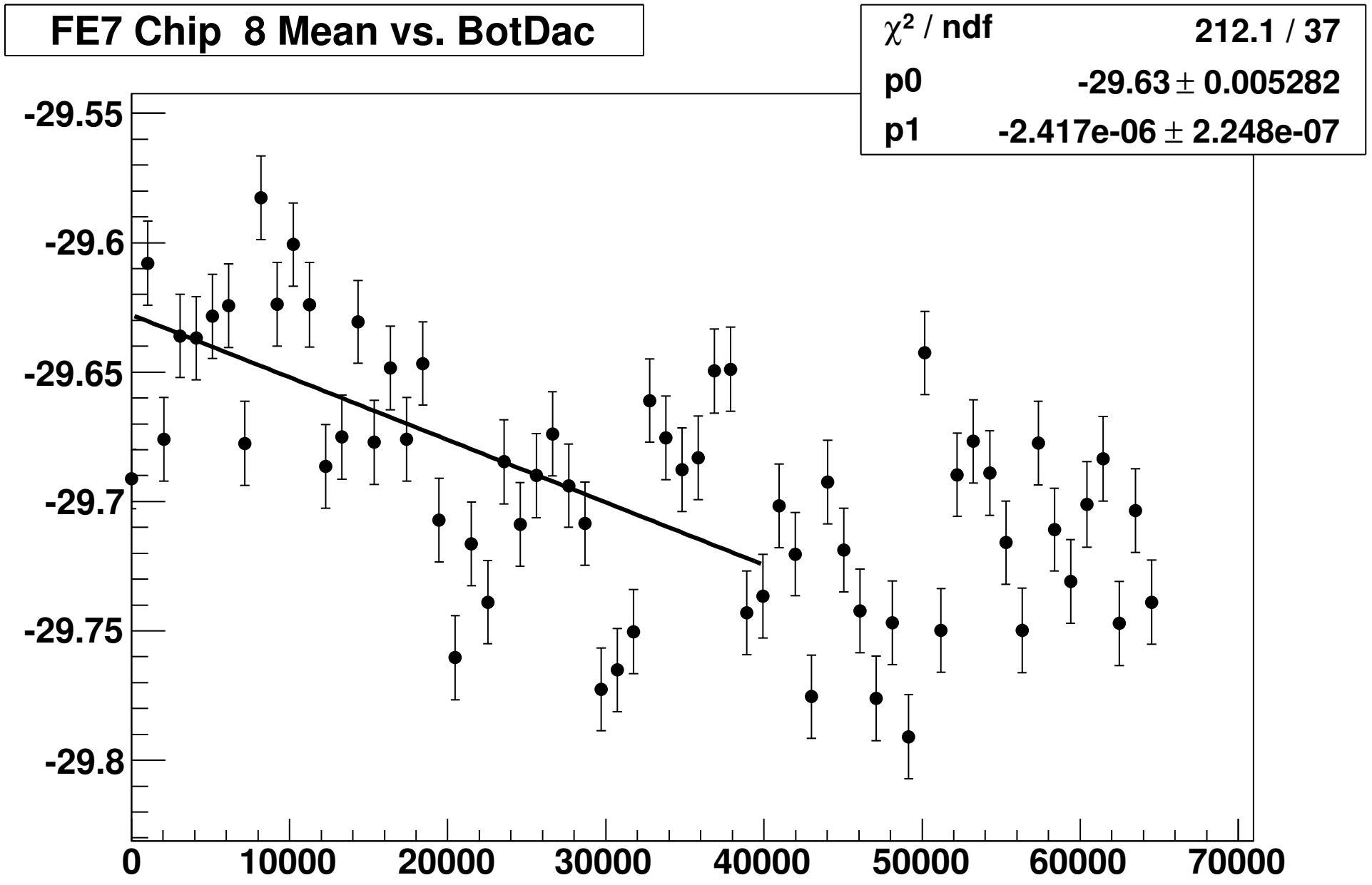

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1551 / 37
p0 1.396 ± 0.002857
p1 3.387e-05 ± 2.119e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

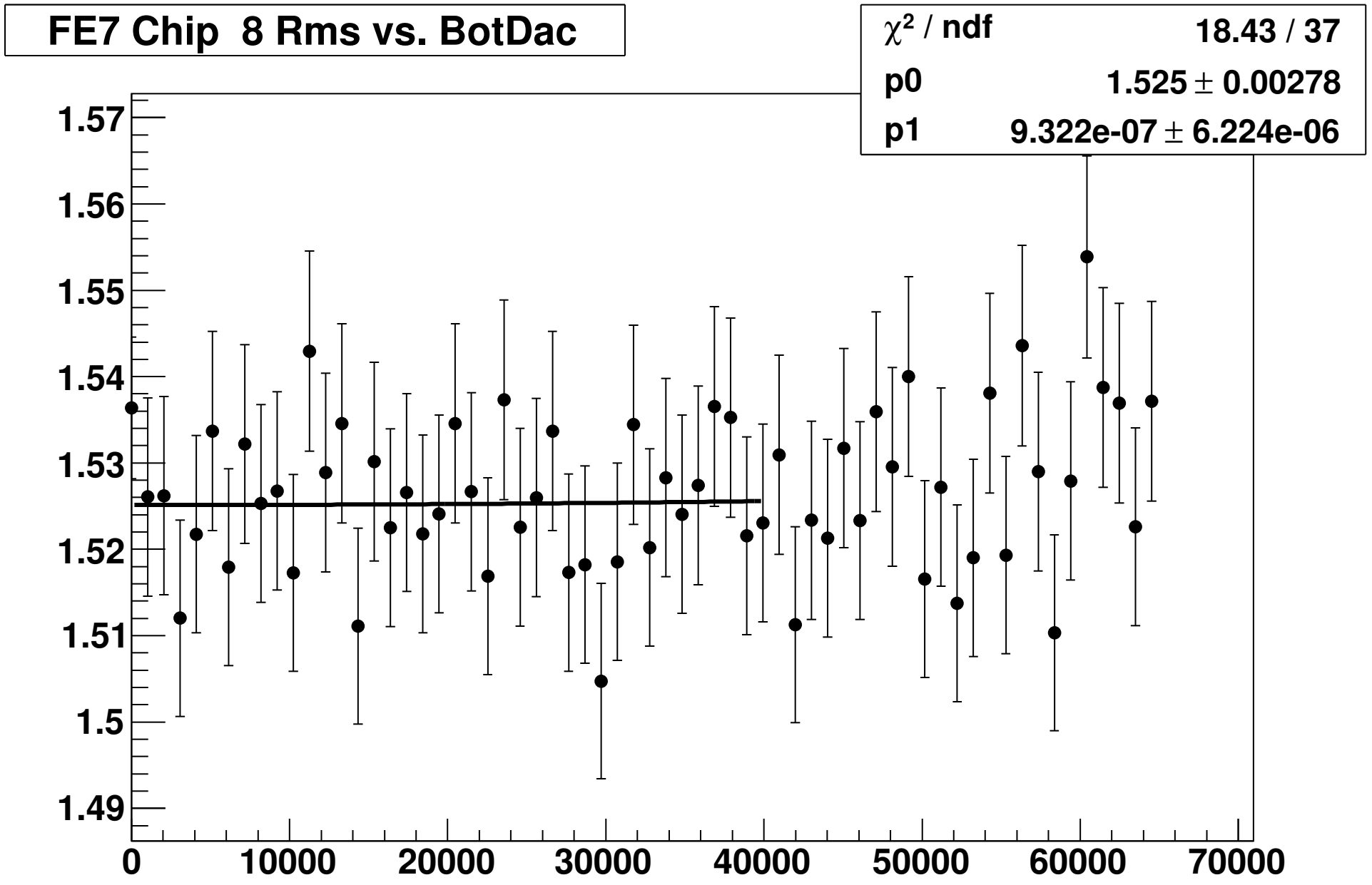

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 150.3 / 37
p0 -14.44 ± 0.005277
p1 4.045e-07 ± 2.246e-07
-14.3
-14.35
-14.4
-14.45
-14.5
0
10000
20000
30000
40000
50000
60000
70000

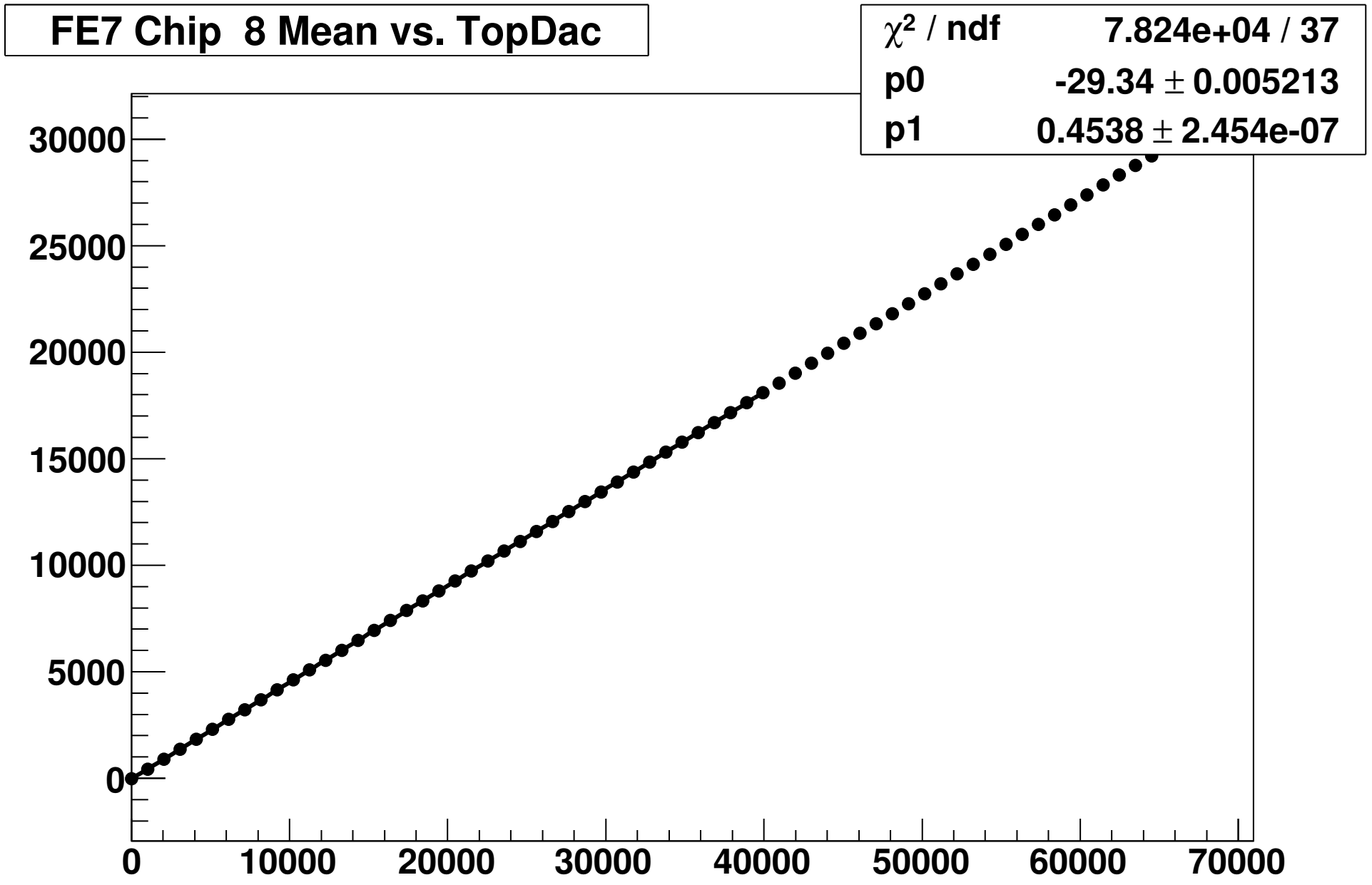

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 30.69 / 37
p0 1.524 ± 0.002785
p1 1.008e-06 ± 5.757e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

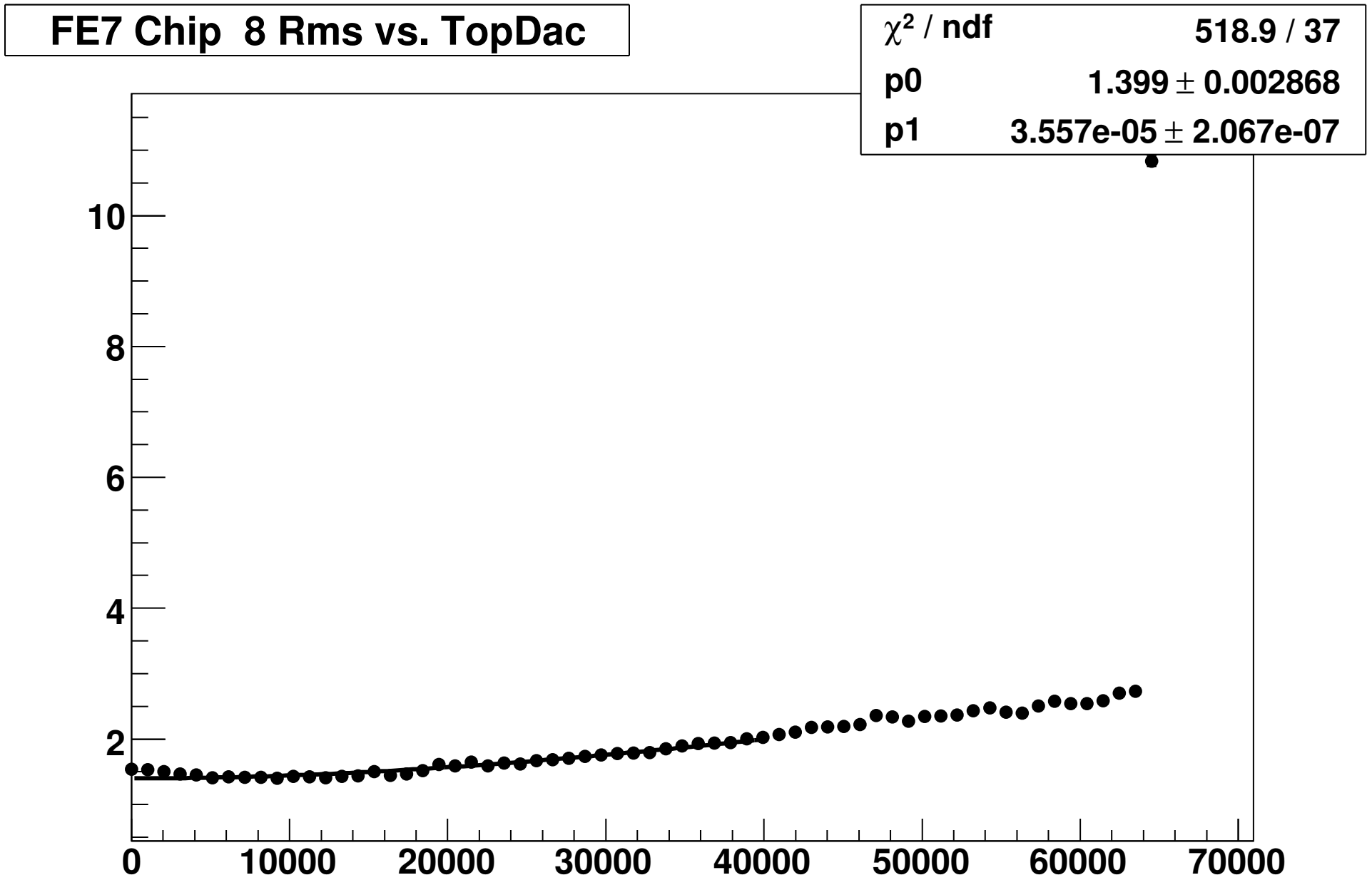

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 9.405e+04 / 37
p0 -12.97 ± 0.005241
p1 0.4534 ± 2.484e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

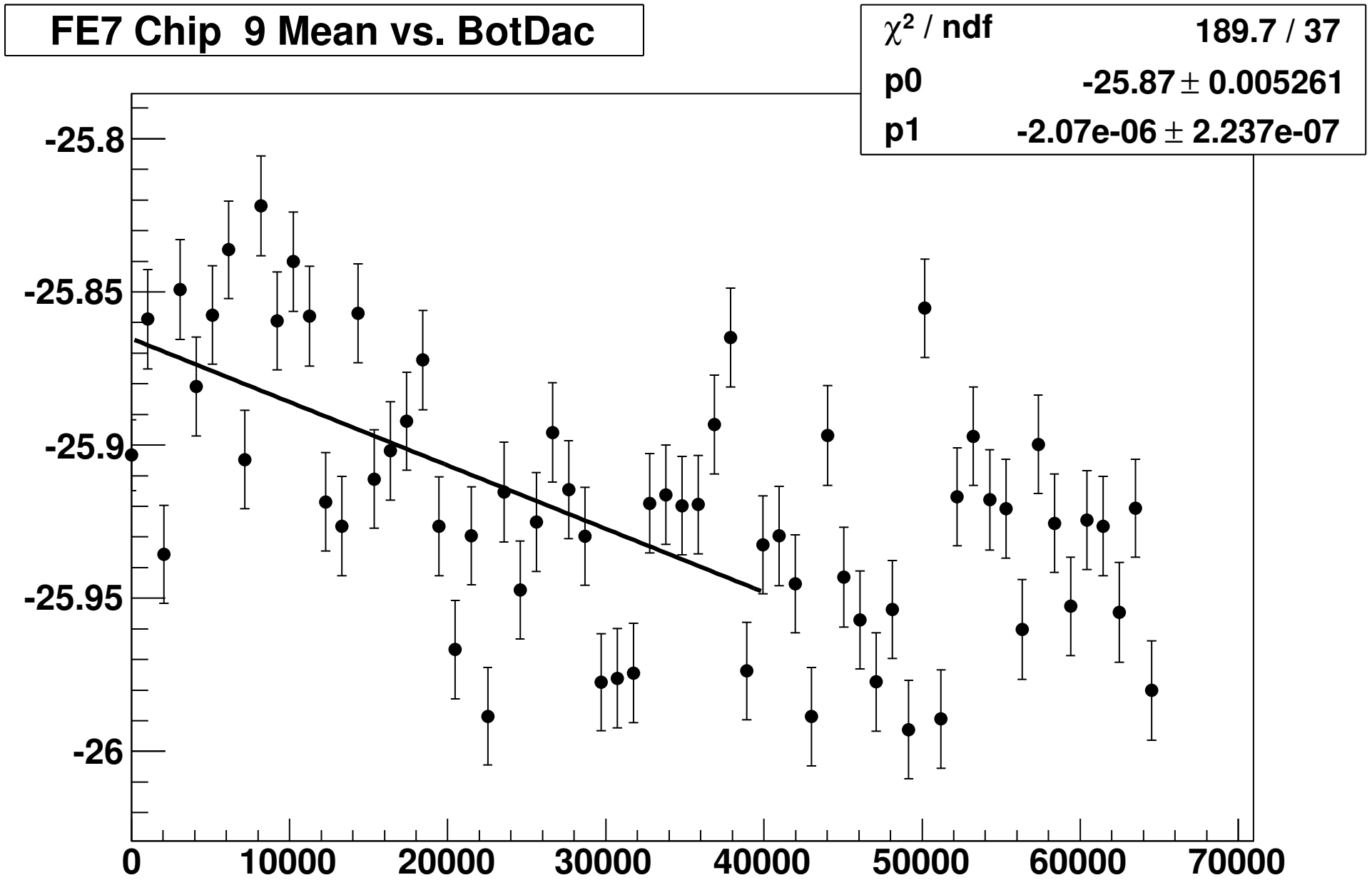

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 827 / 37
p0 1.389 ± 0.002878
p1 3.687e-05 ± 2.031e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

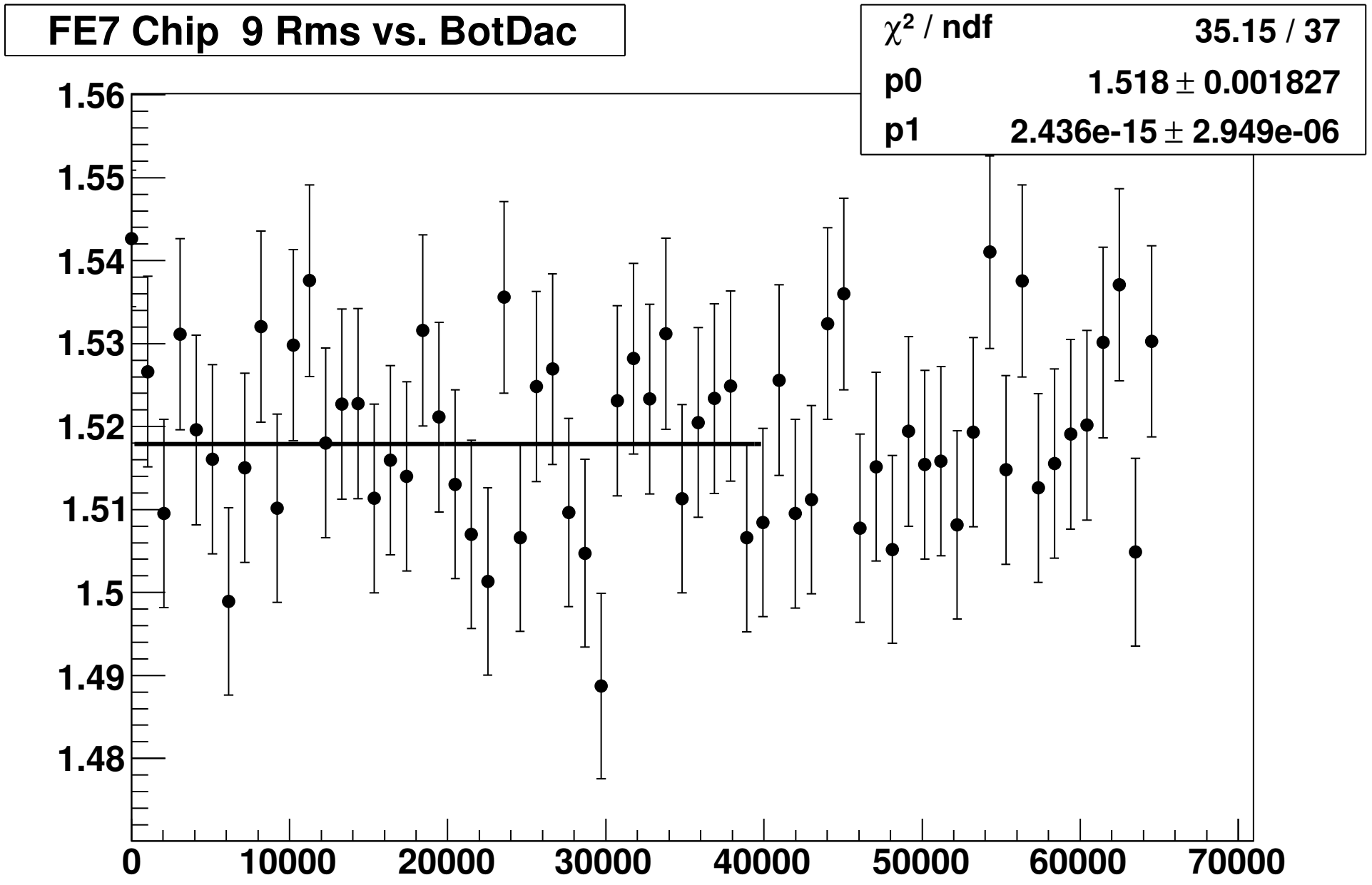

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 212.1 / 37
p0 -29.63 ± 0.005282
p1 -2.417e-06 ± 2.248e-07
-29.55
-29.6
-29.65
-29.7
-29.75
-29.8
0
10000
20000
30000
40000
50000
60000
70000

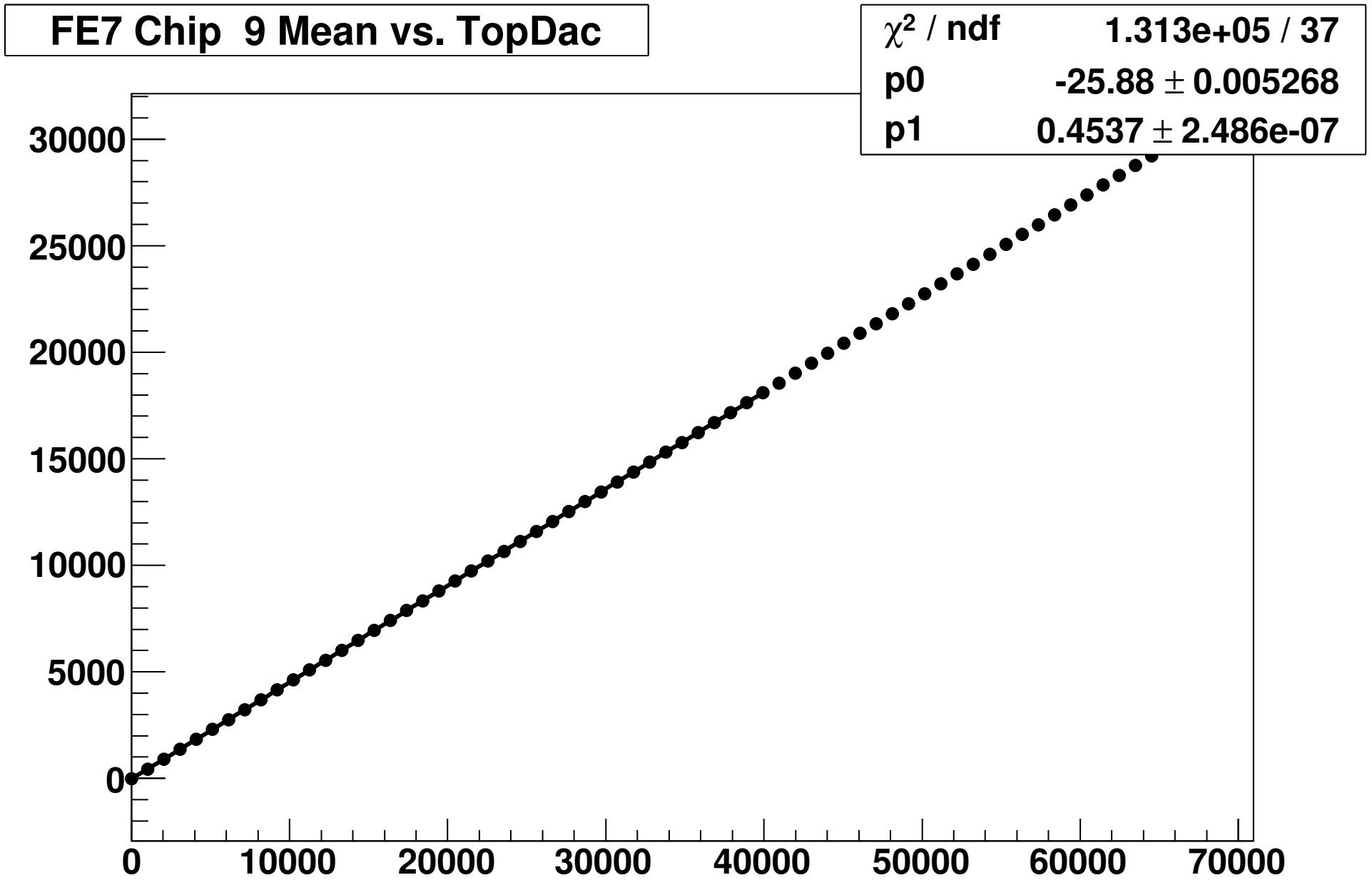

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 18.43 / 37
p0 1.525 ± 0.00278
p1 9.322e-07 ± 6.224e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

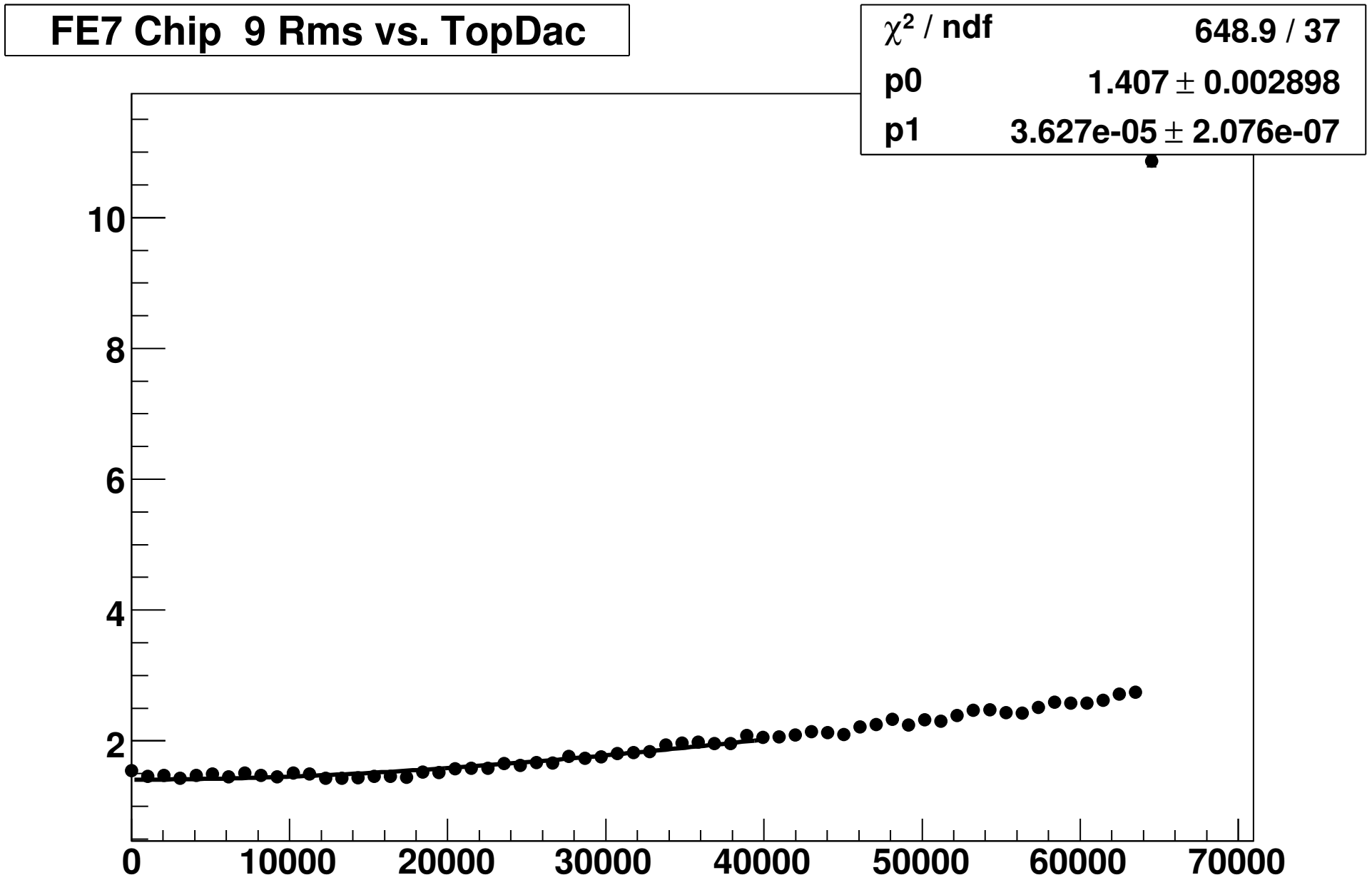

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 7.824e+04 / 37
p0 -29.34 ± 0.005213
p1 0.4538 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

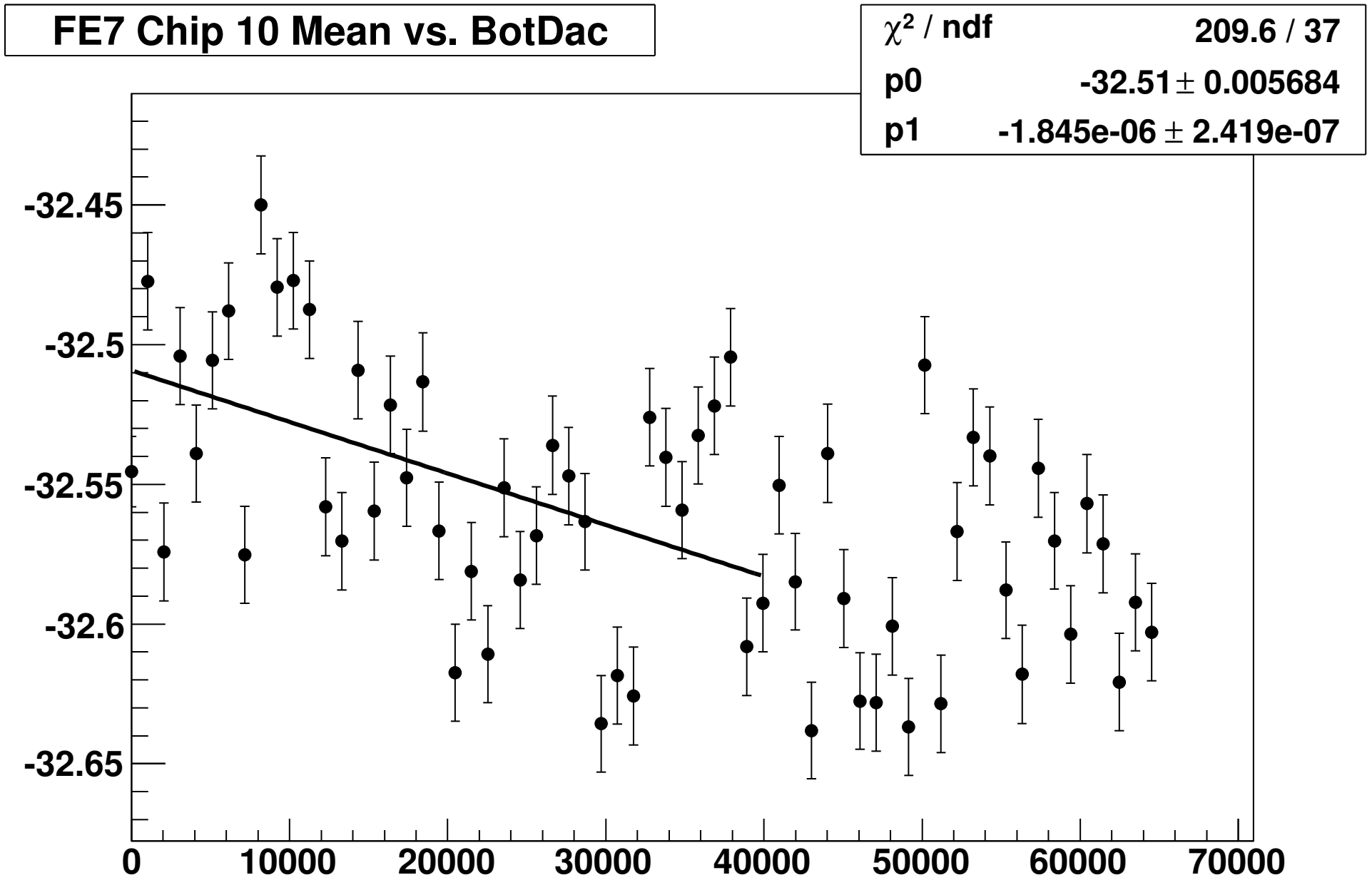

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 518.9 / 37
p0 1.399 ± 0.002868
p1 3.557e-05 ± 2.067e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

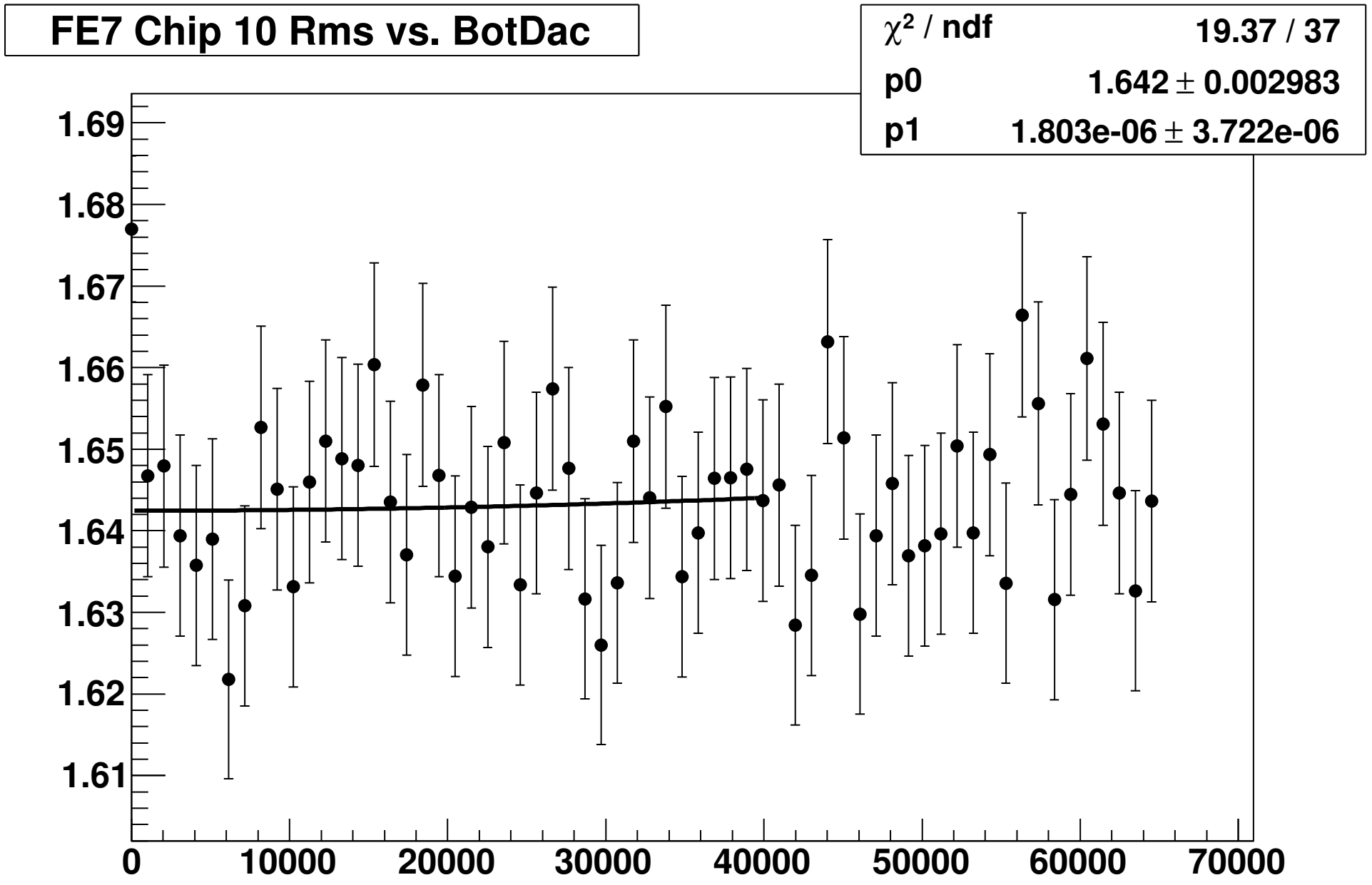

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 189.7 / 37
p0 -25.87 ± 0.005261
p1 -2.07e-06 ± 2.237e-07
-25.8
-25.85
-25.9
-25.95
-26
0
10000
20000
30000
40000
50000
60000
70000

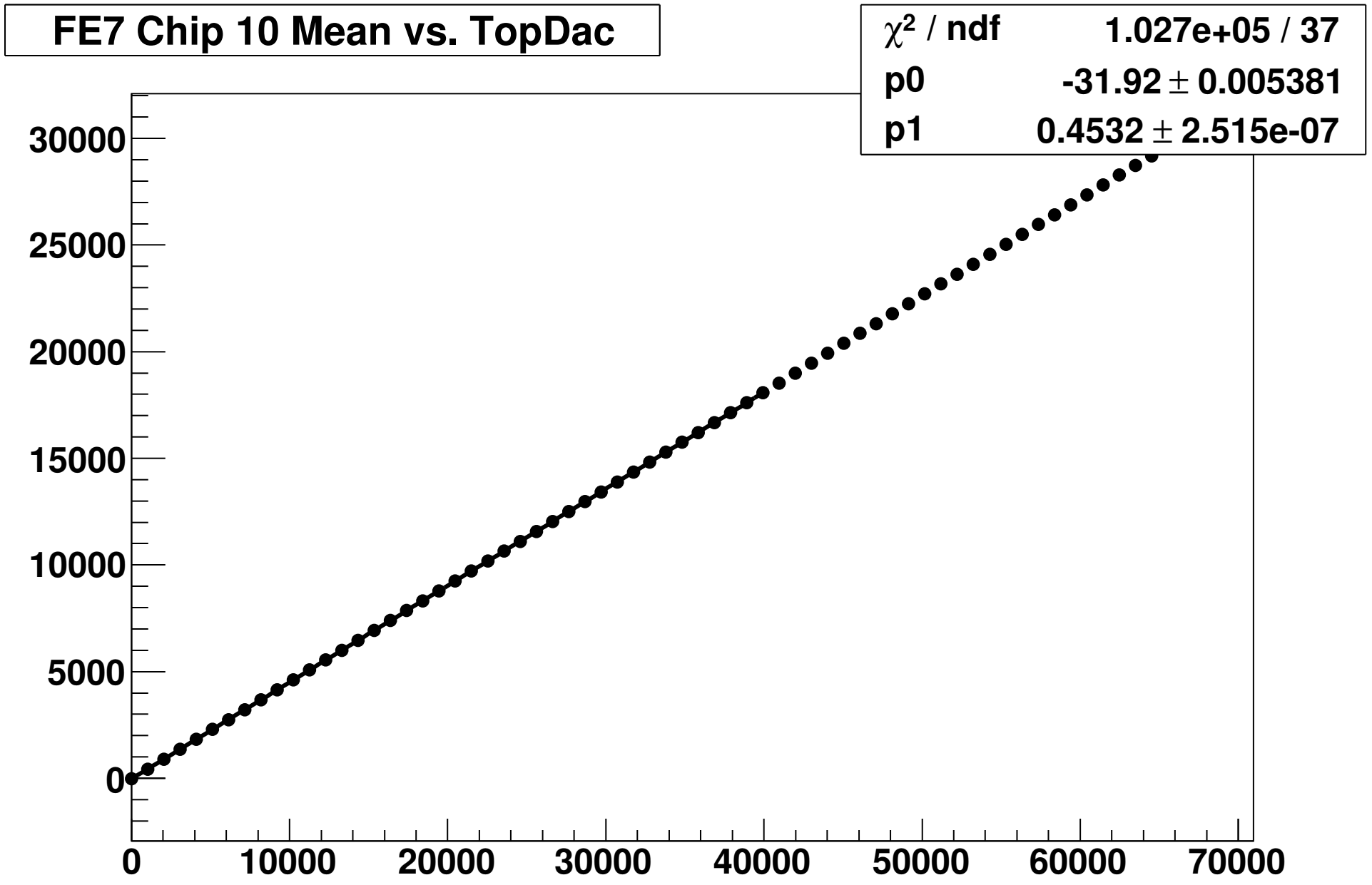

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 35.15 / 37
p0 1.518 ± 0.001827
p1 2.436e-15 ± 2.949e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

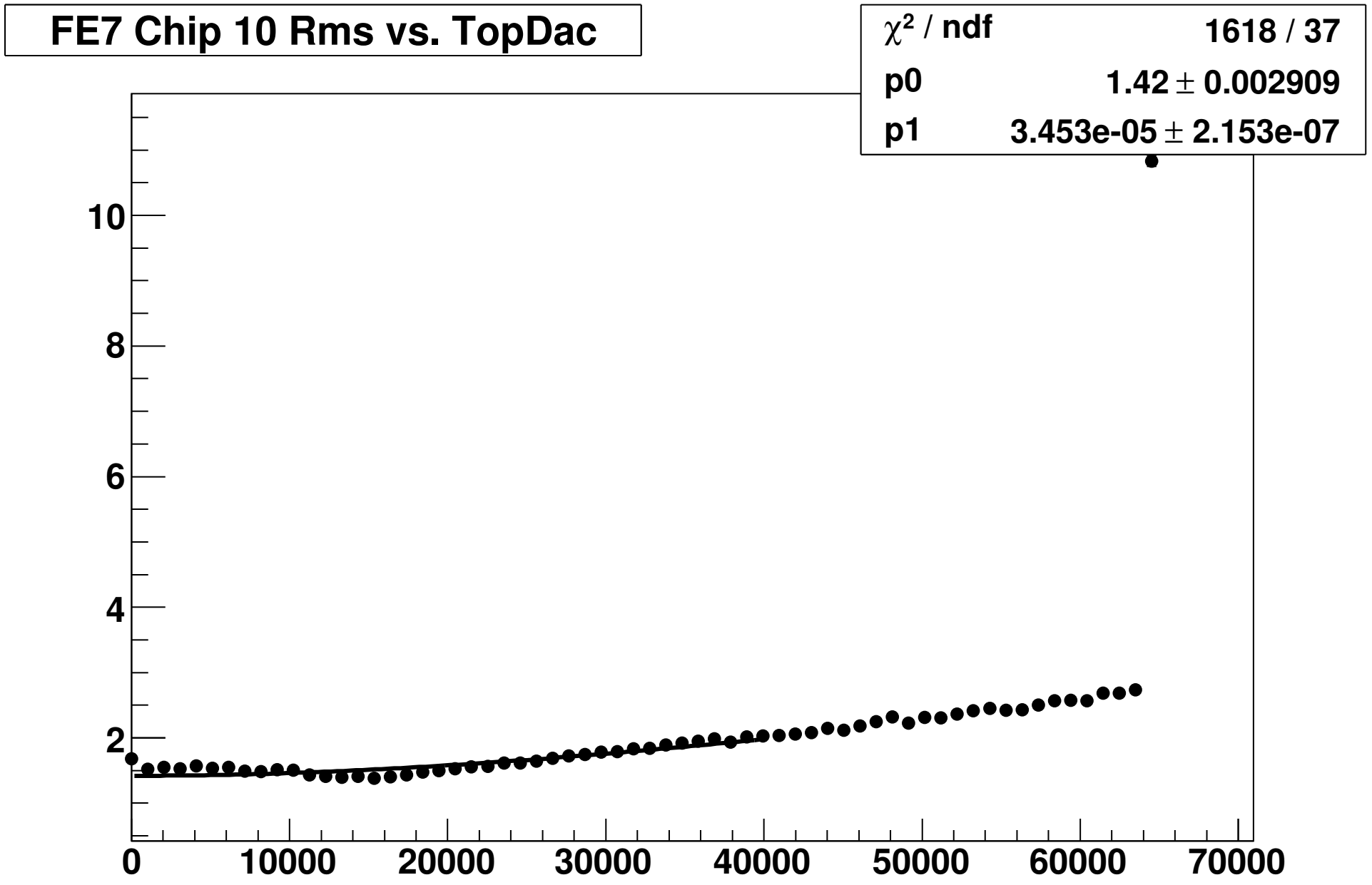

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.313e+05 / 37
p0 -25.88 ± 0.005268
p1 0.4537 ± 2.486e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

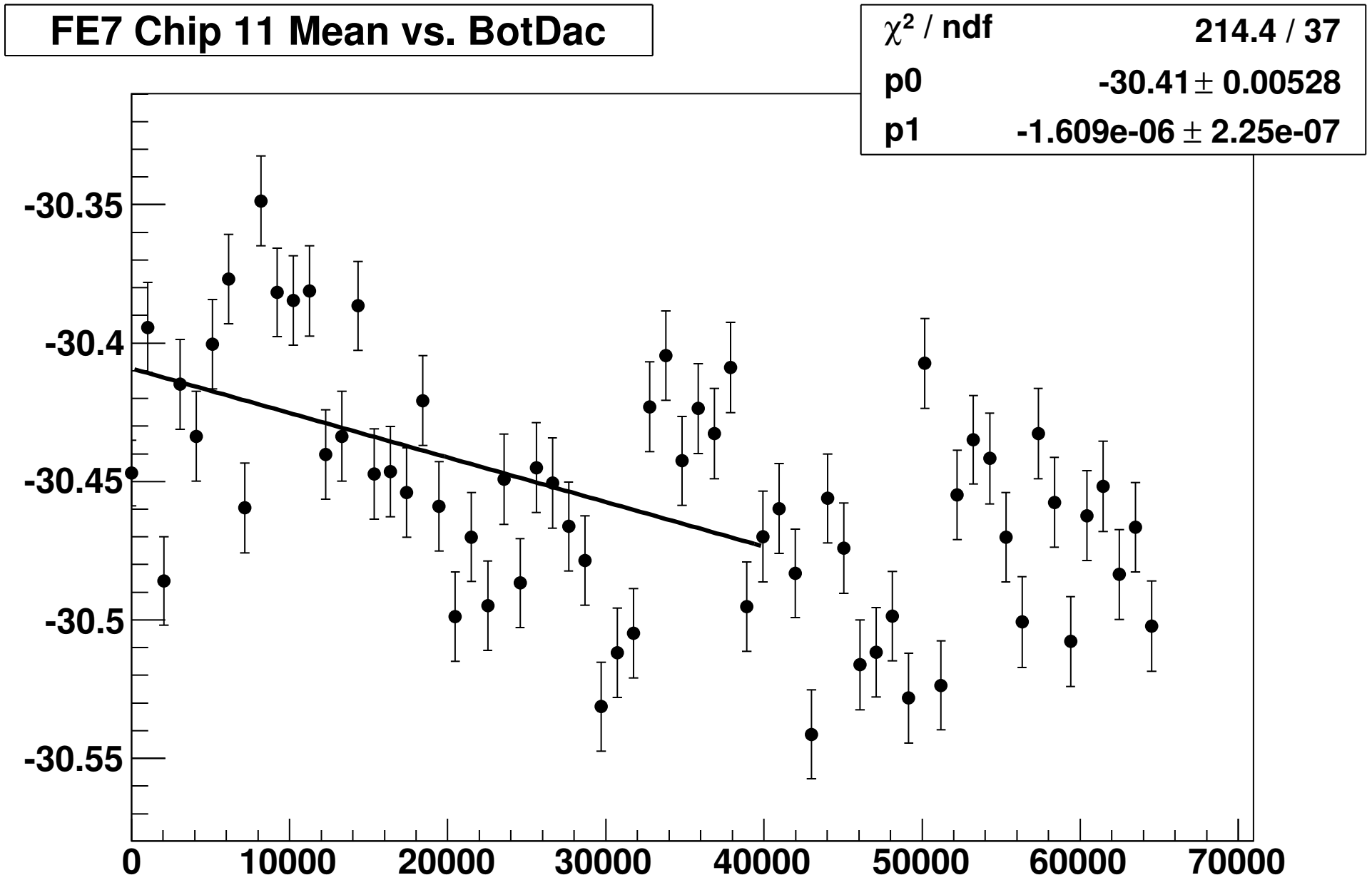

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 648.9 / 37
p0 1.407 ± 0.002898
p1 3.627e-05 ± 2.076e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

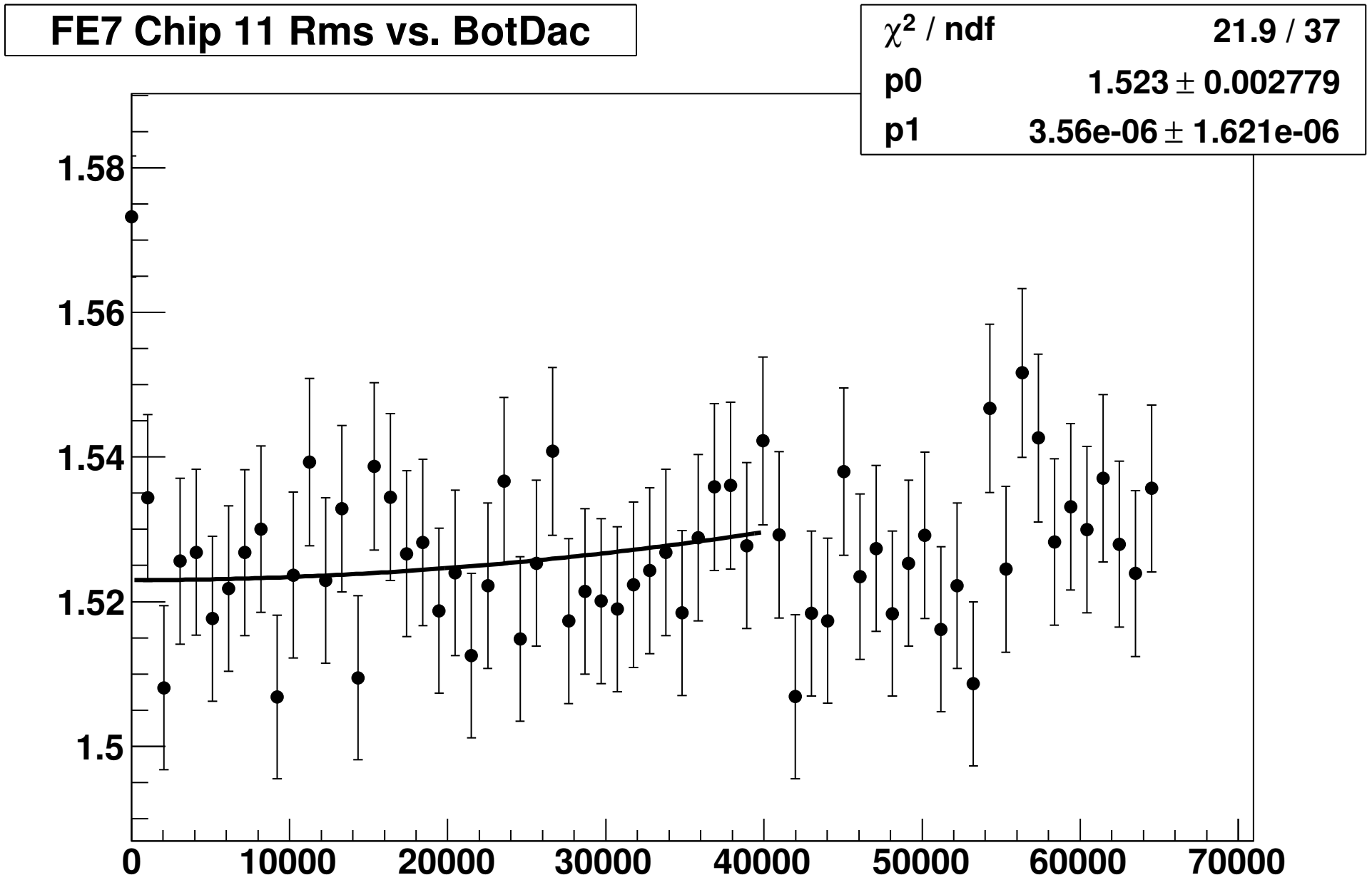

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 209.6 / 37
p0 -32.51 ± 0.005684
p1 -1.845e-06 ± 2.419e-07
-32.45
-32.5
-32.55
-32.6
-32.65
0
10000
20000
30000
40000
50000
60000
70000

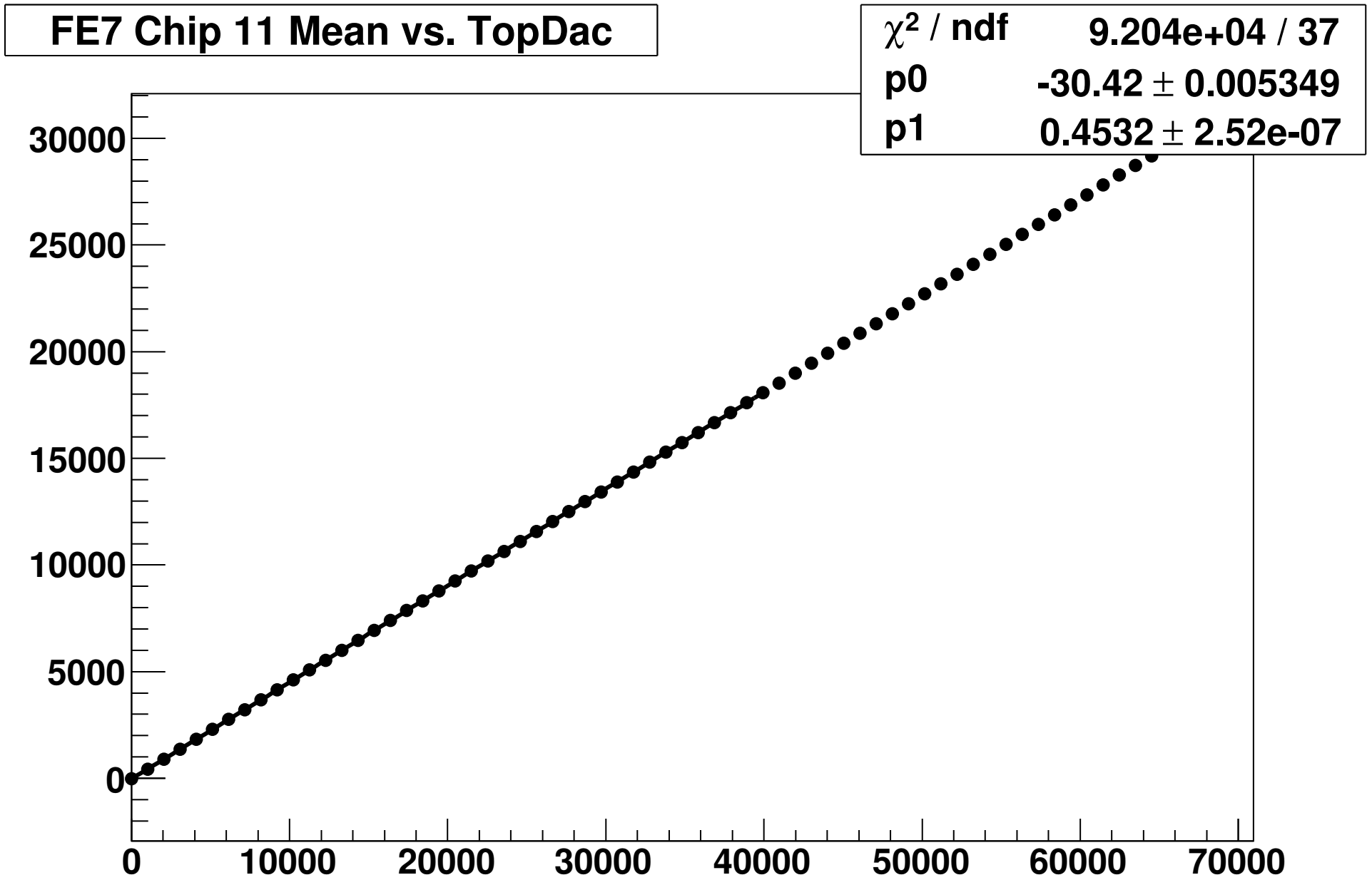

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 19.37 / 37
p0 1.642 ± 0.002983
p1 1.803e-06 ± 3.722e-06
1.69
1.68
1.67
1.66
1.65
1.64
1.63
1.62
1.61
0
10000
20000
30000
40000
50000
60000
70000

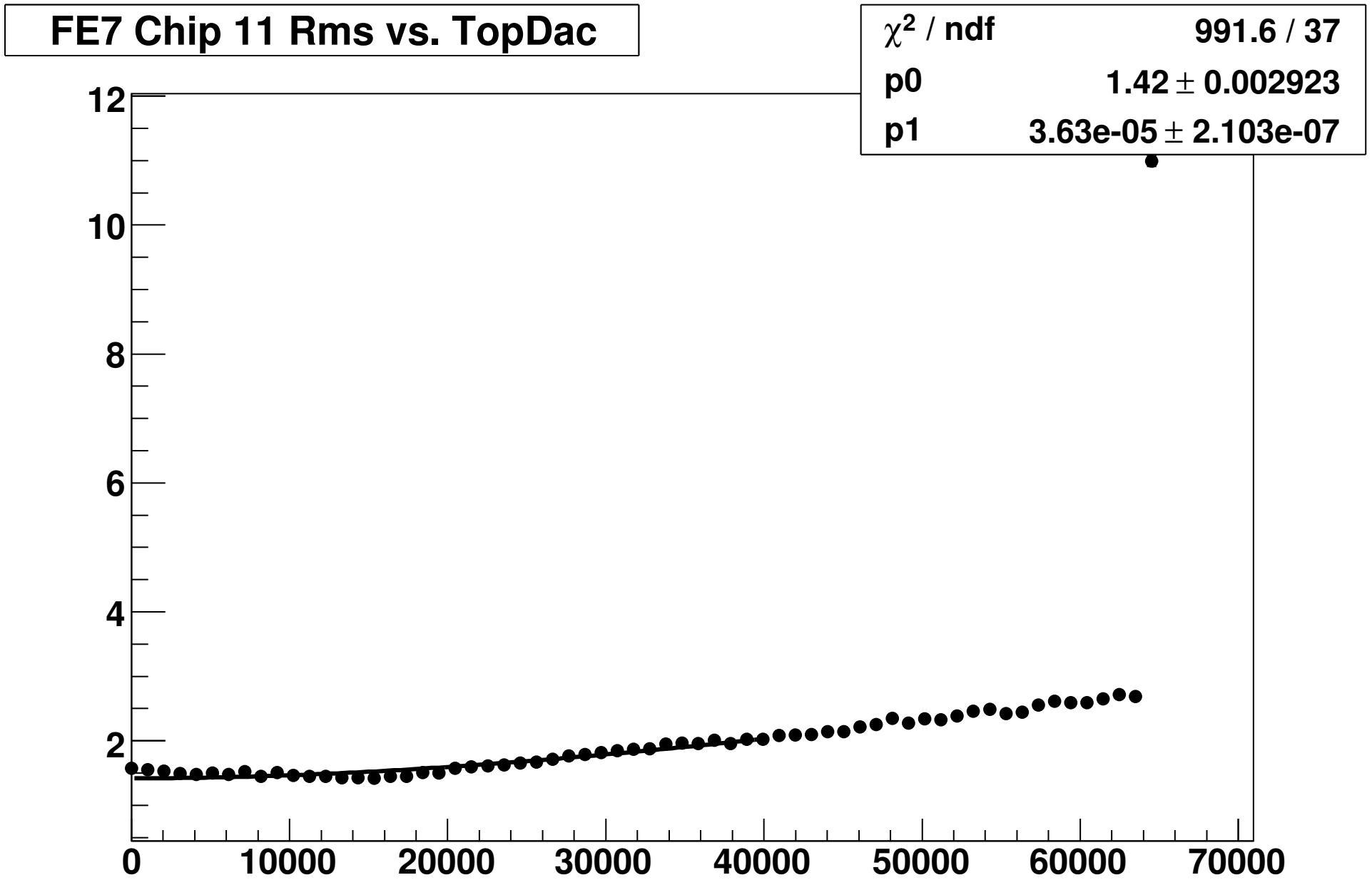

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.027e+05 / 37
p0 -31.92 ± 0.005381
p1 0.4532 ± 2.515e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

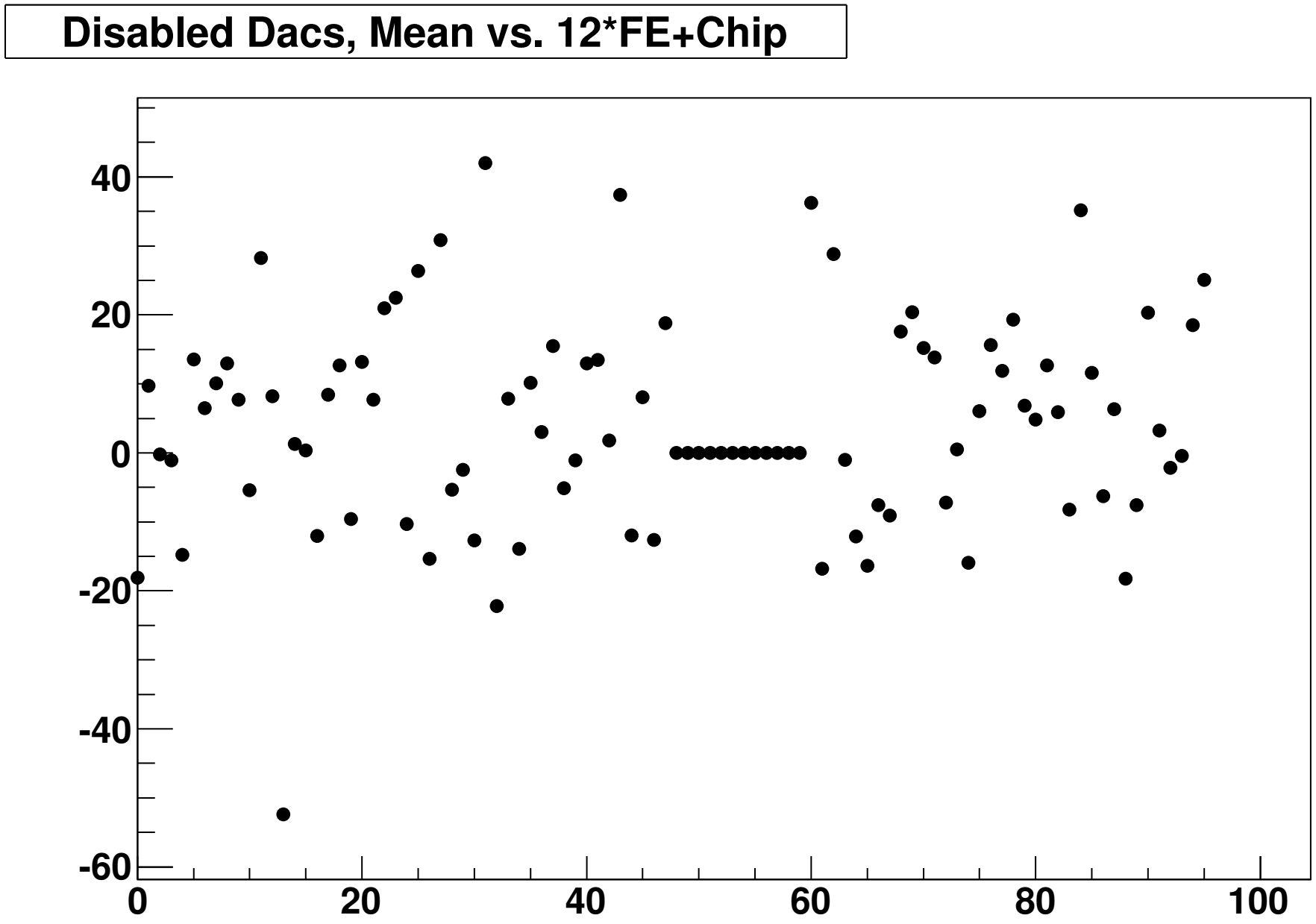

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 1618 / 37
p0 1.42 ± 0.002909
p1 3.453e-05 ± 2.153e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

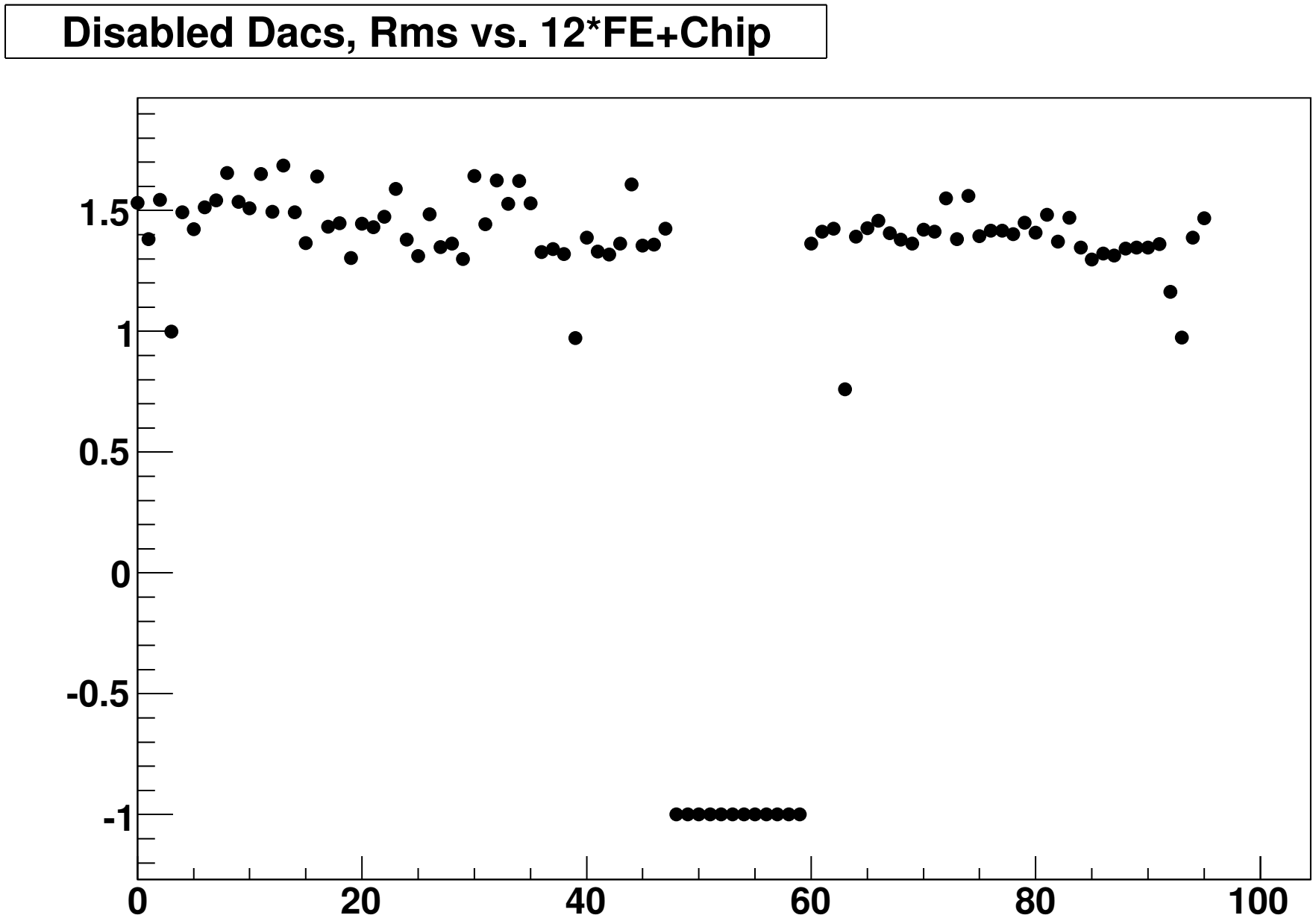

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 214.4 / 37
p0 -30.41 ± 0.00528
p1 -1.609e-06 ± 2.25e-07
-30.35
-30.4
-30.45
-30.5
-30.55
0
10000
20000
30000
40000
50000
60000
70000

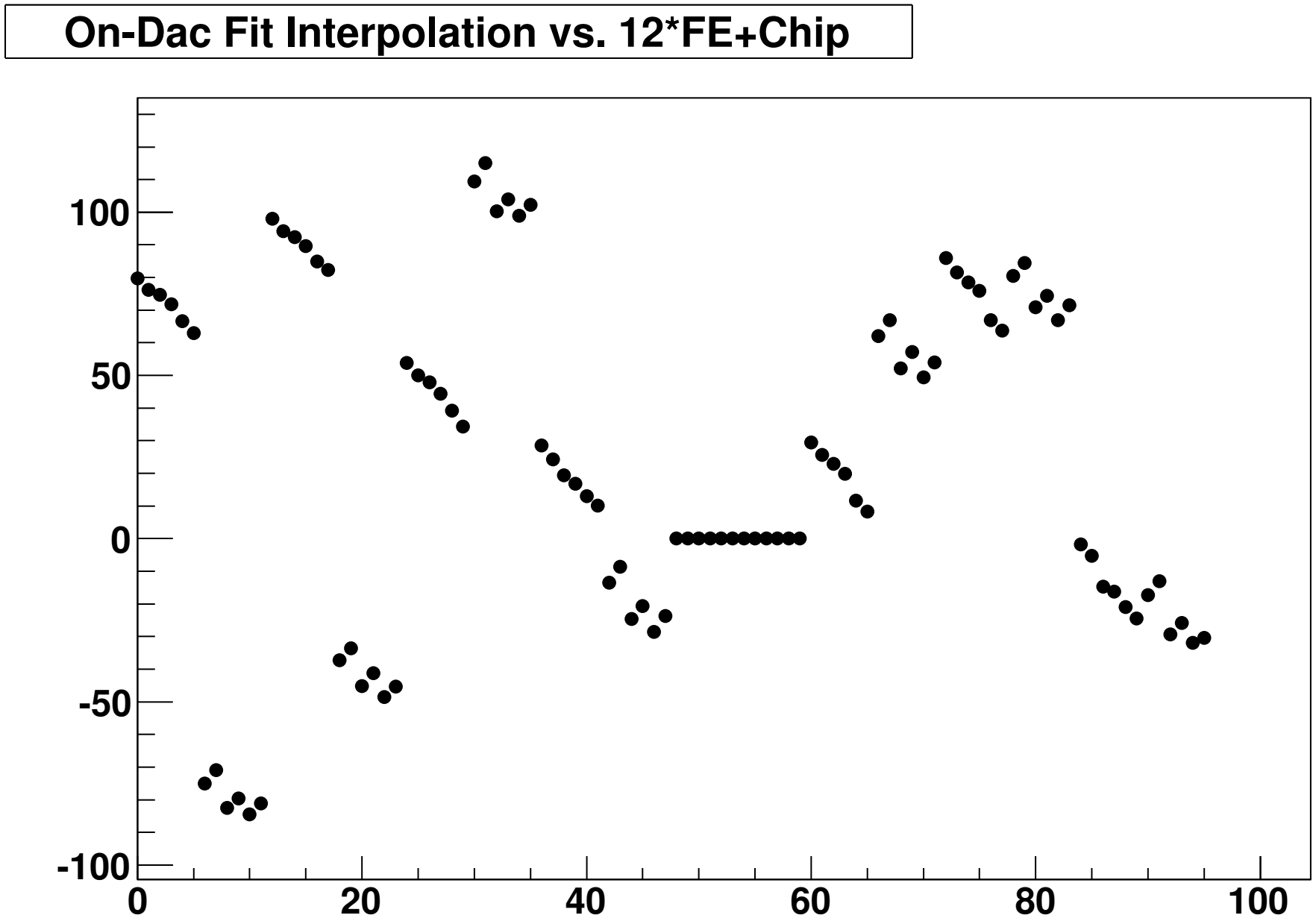

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 21.9 / 37
p0 1.523 ± 0.002779
p1 3.56e-06 ± 1.621e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

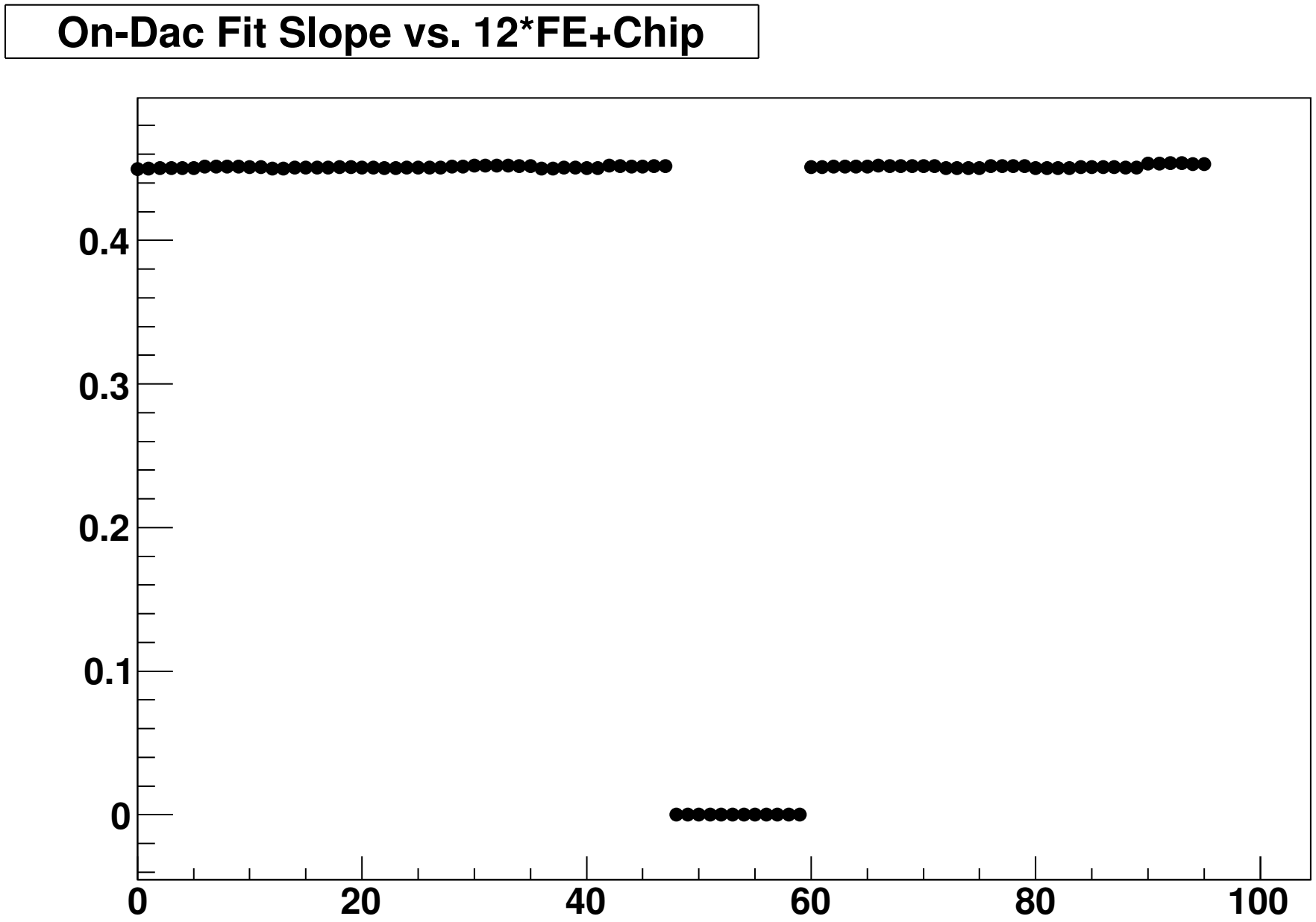

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 9.204e+04 / 37
p0 -30.42 ± 0.005349
p1 0.4532 ± 2.52e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

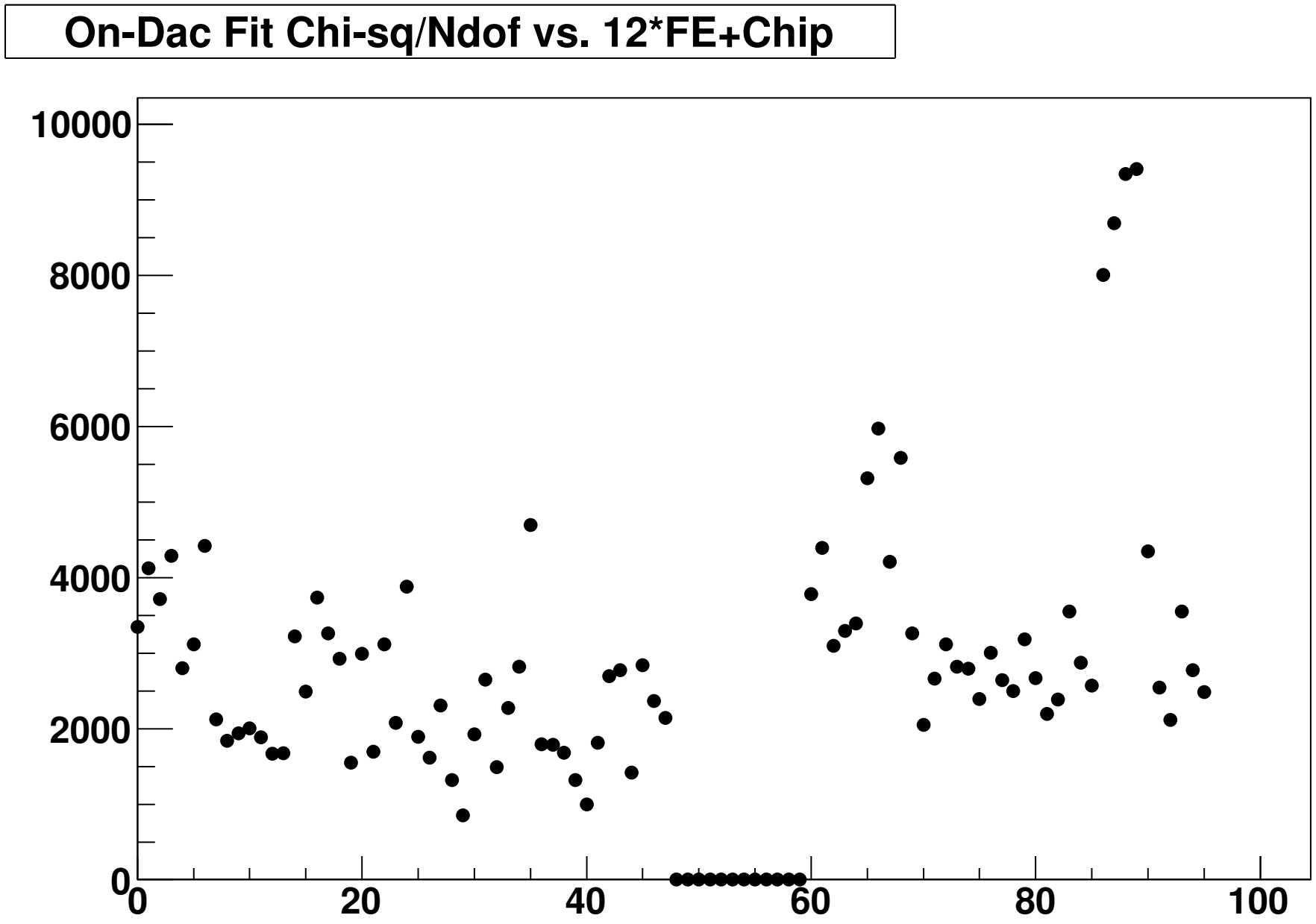

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 991.6 / 37
p0 1.42 ± 0.002923
p1 3.63e-05 ± 2.103e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

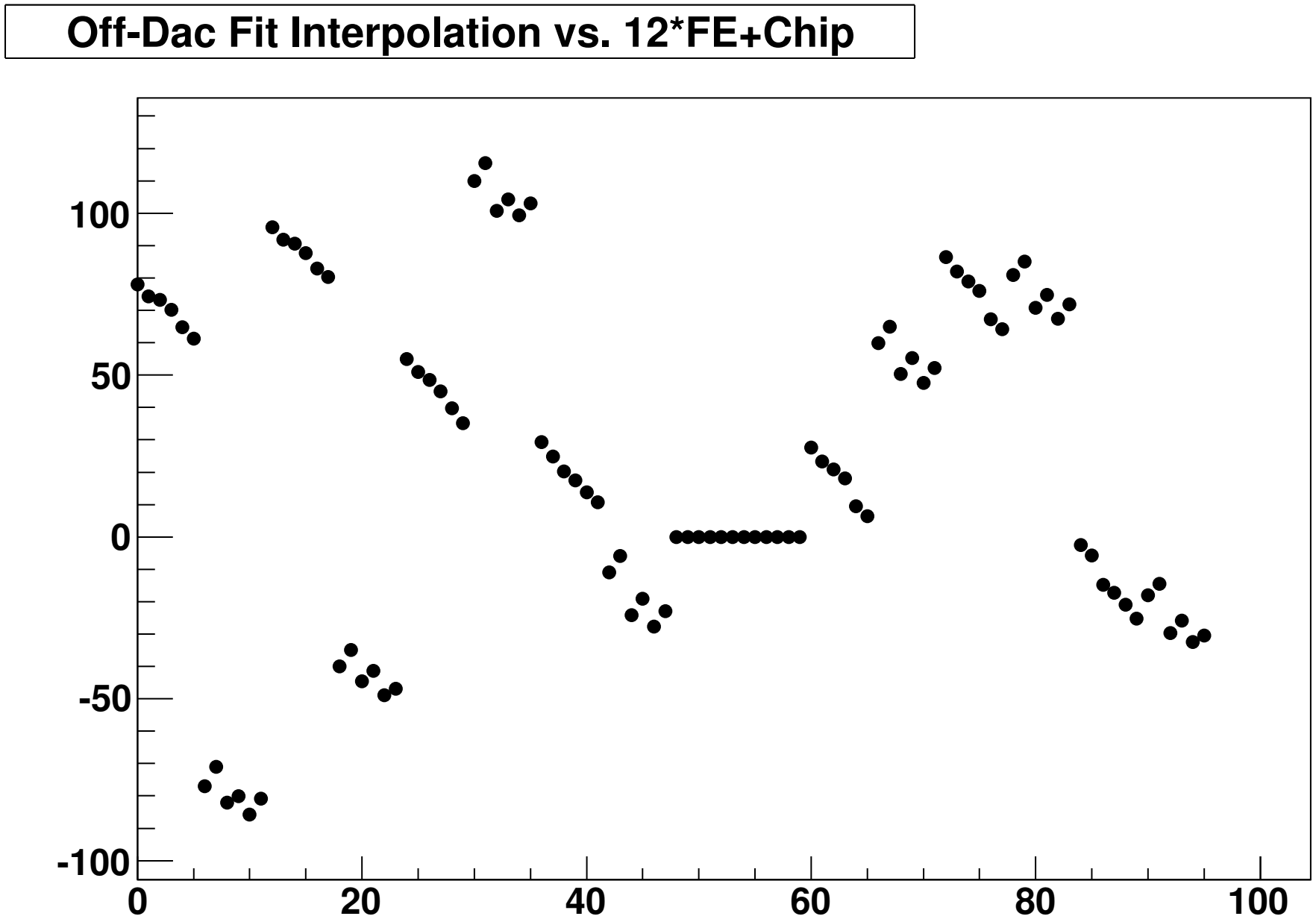

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
-60
0
20
40
60
80
100

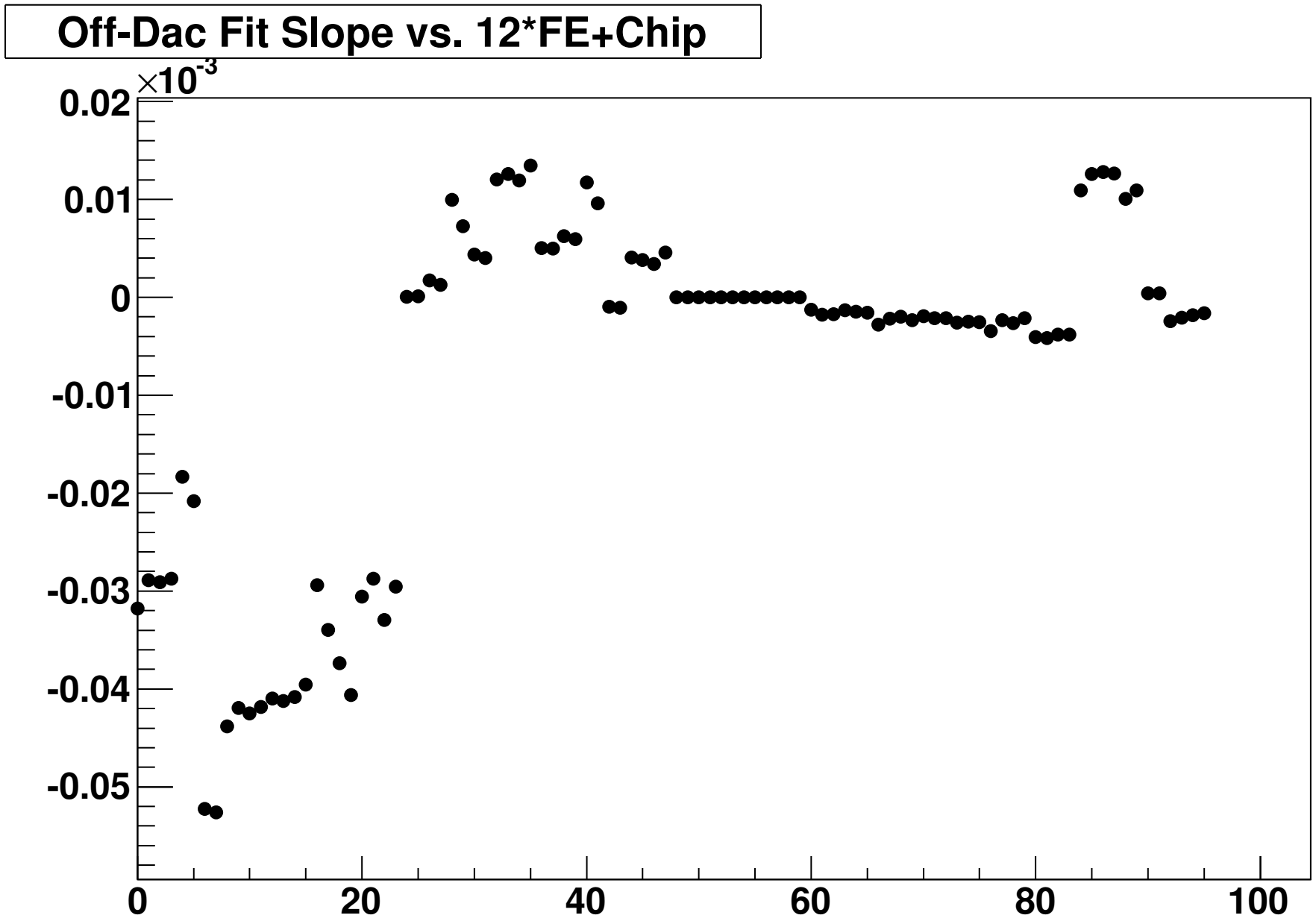

Disabled Dacs, Rms vs. 12*FE+Chip
1.5
1
0.5
0
-0.5
-1
0
20
40
60
80
100

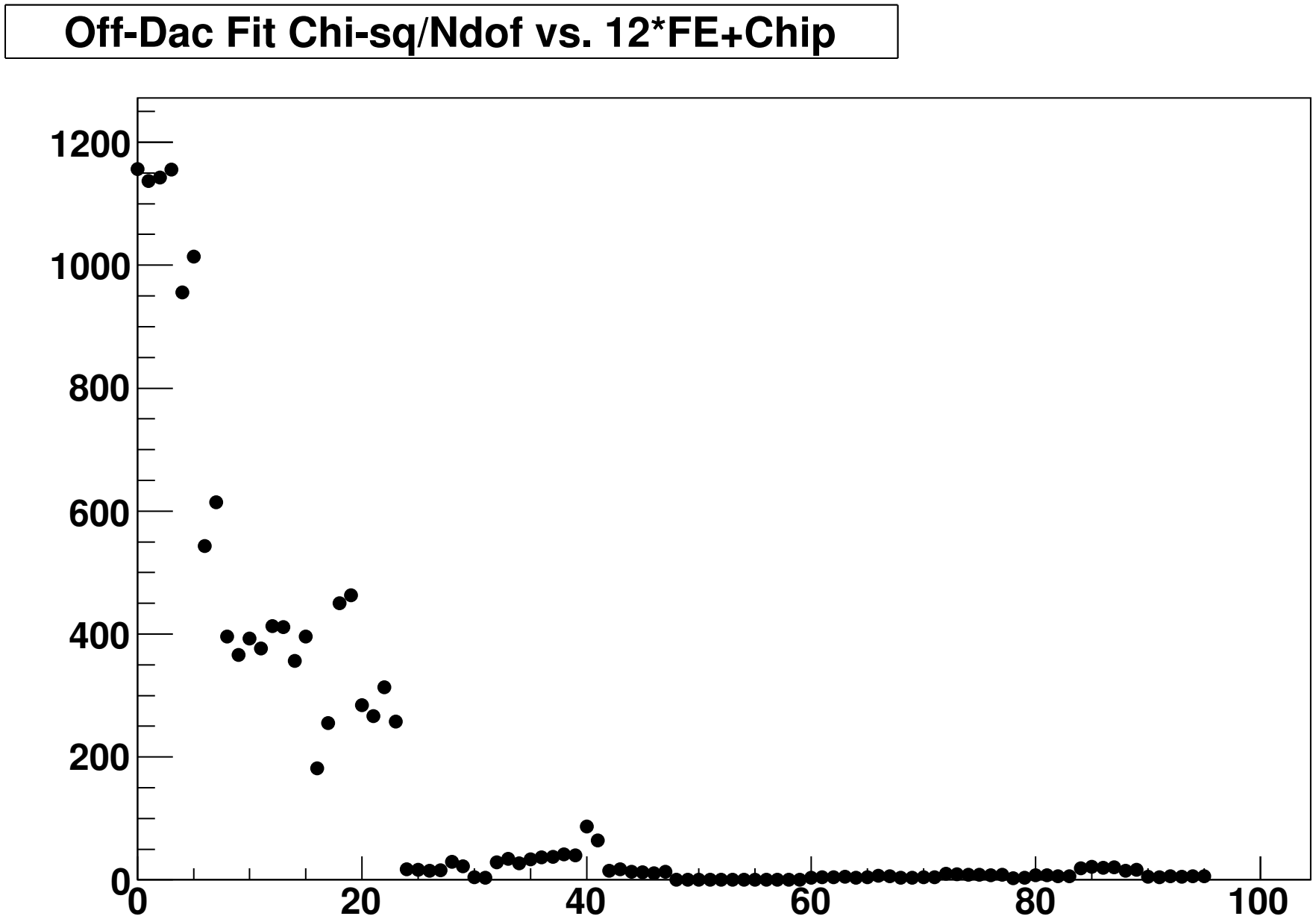

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

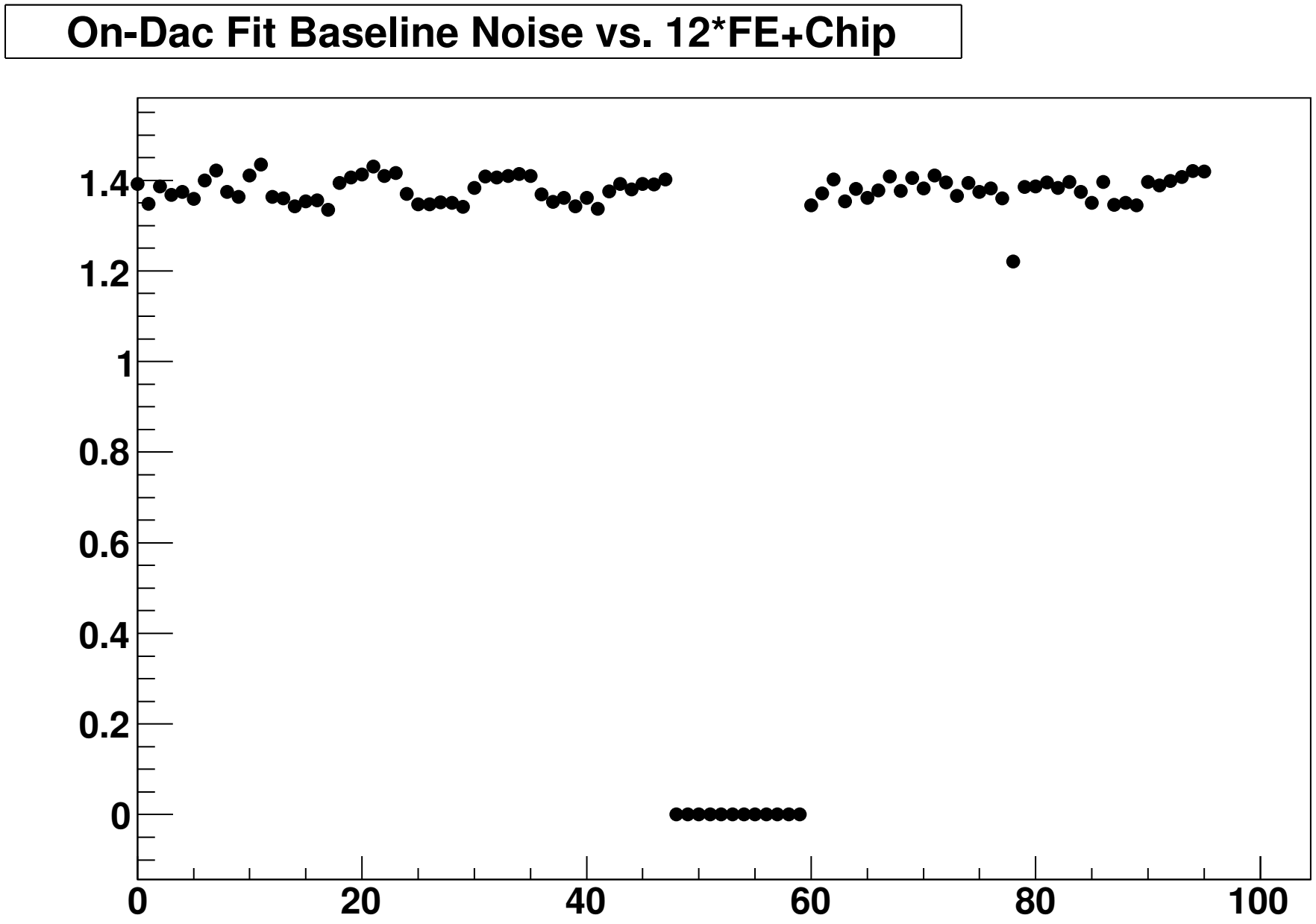

On-Dac Fit Slope vs. 12*FE+Chip
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100

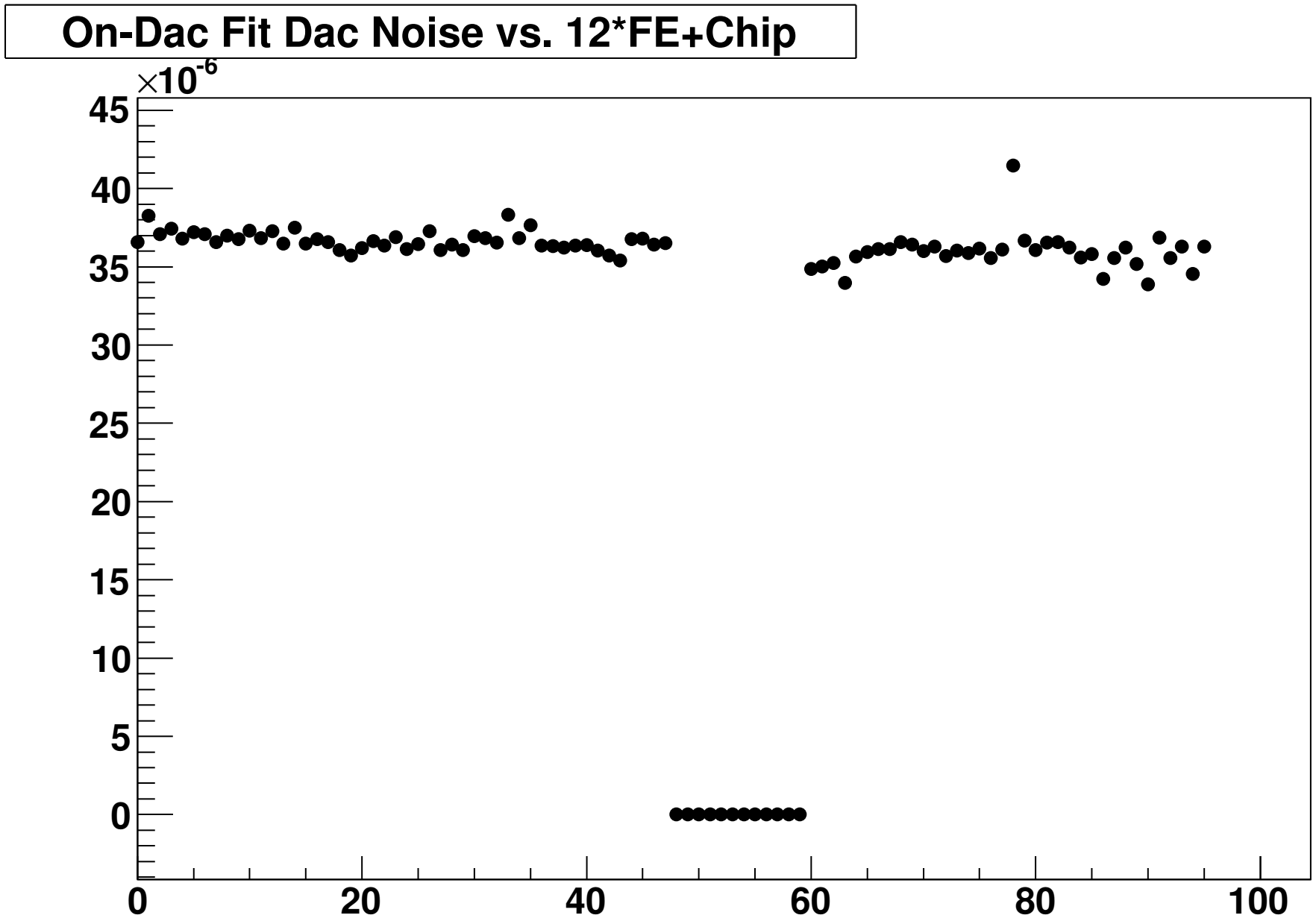

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

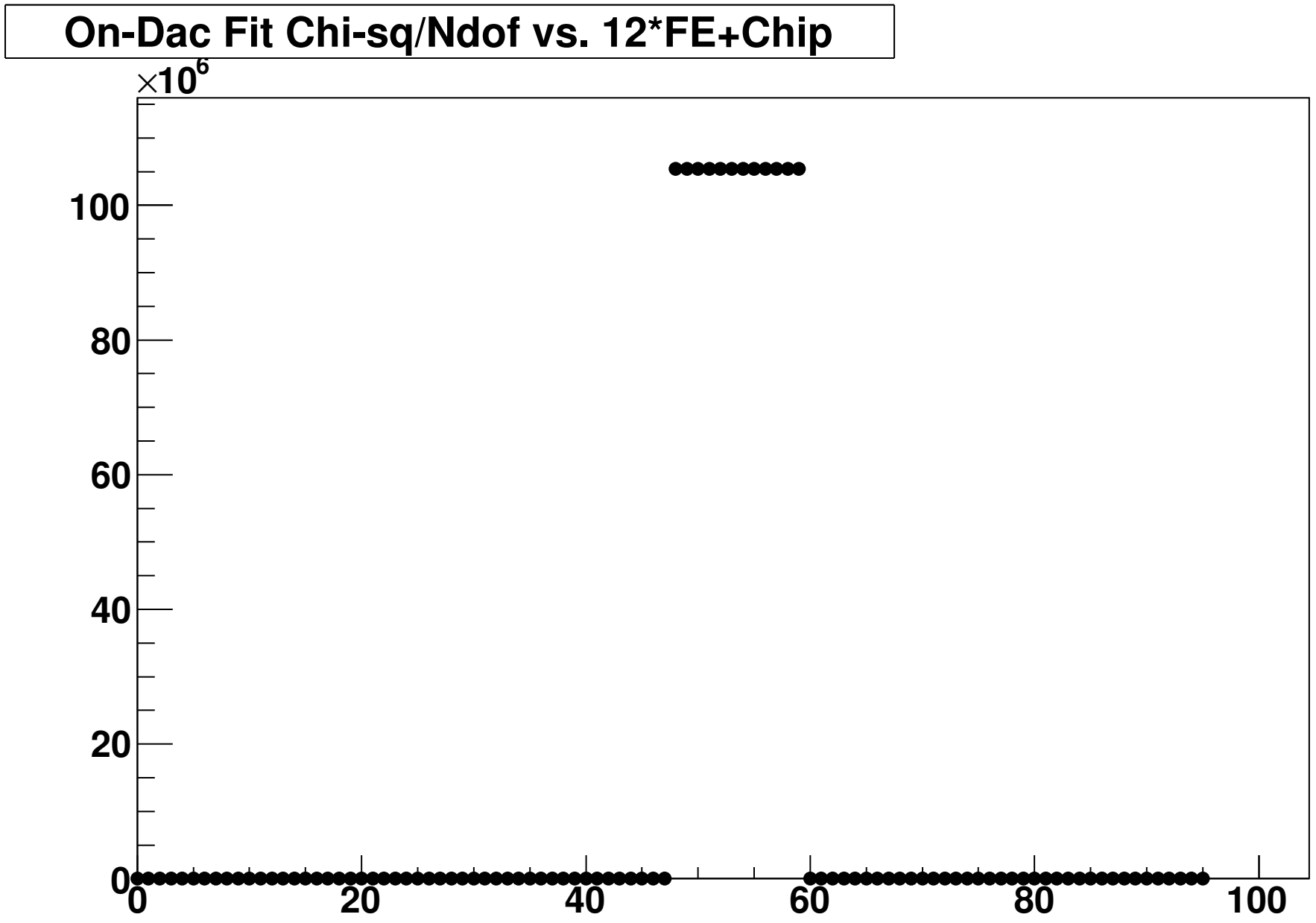

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

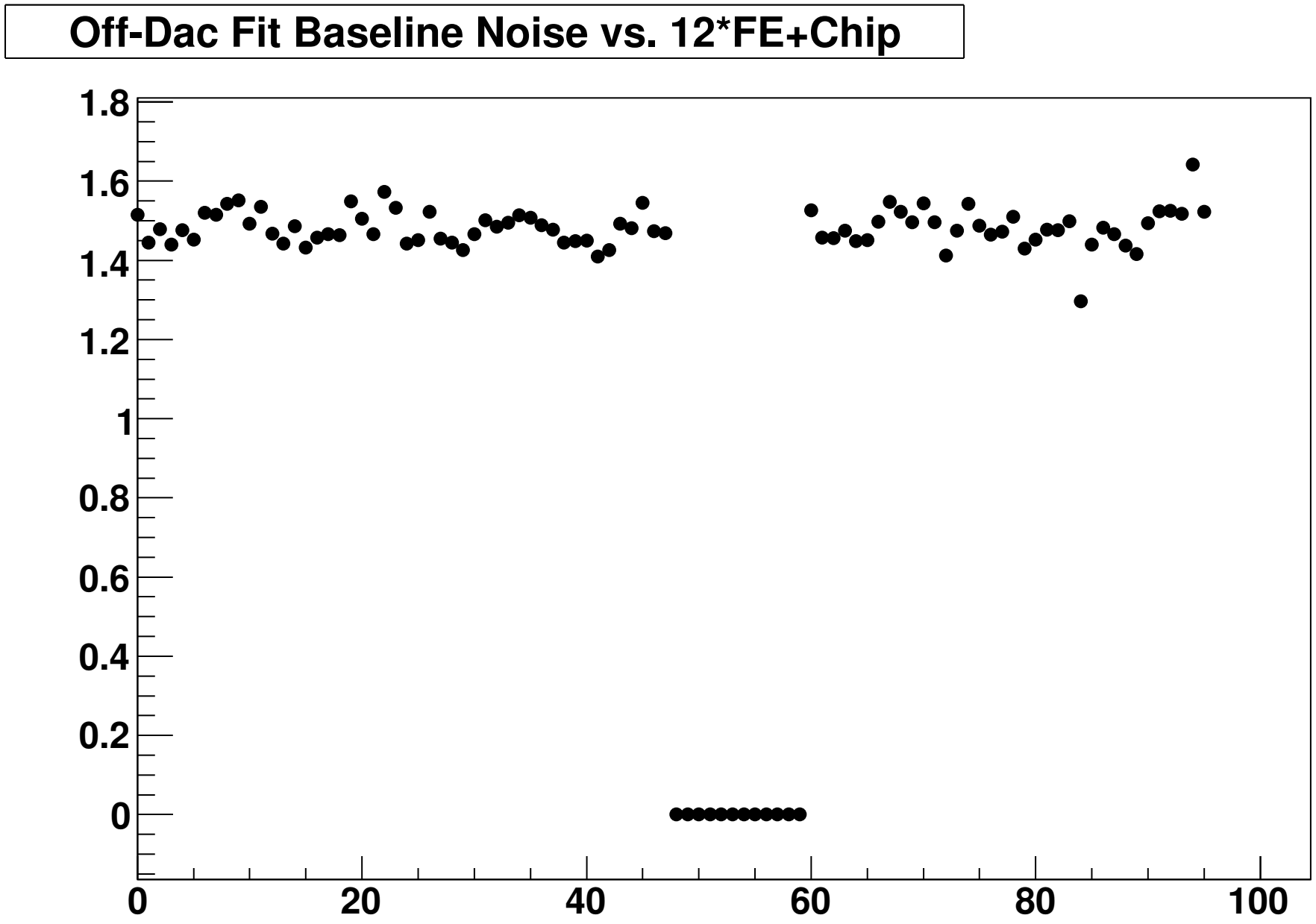

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-3
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
-0.05
0
20
40
60
80
100

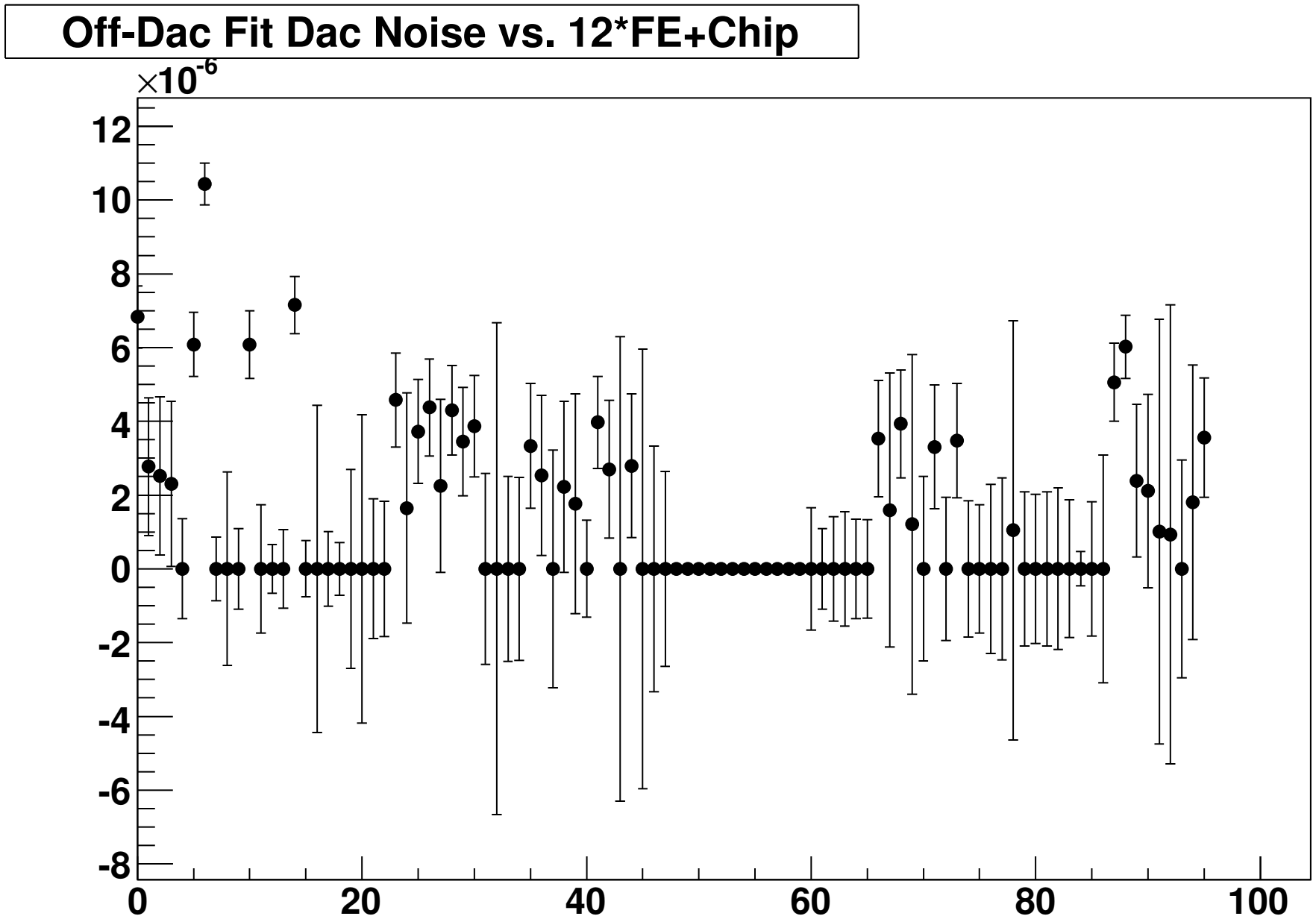

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
1200
1000
800
600
400
200
0
0
20
40
60
80
100

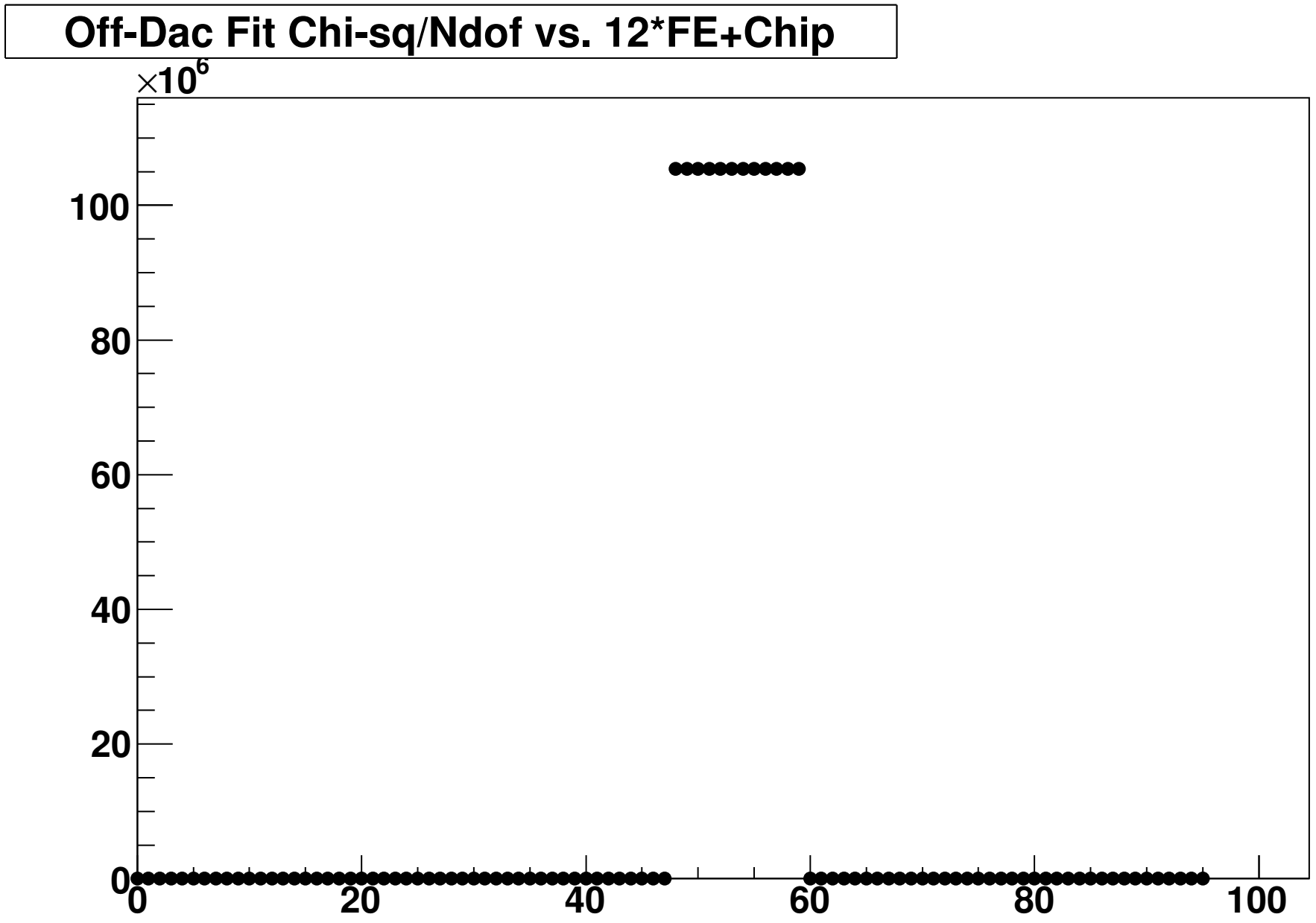

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

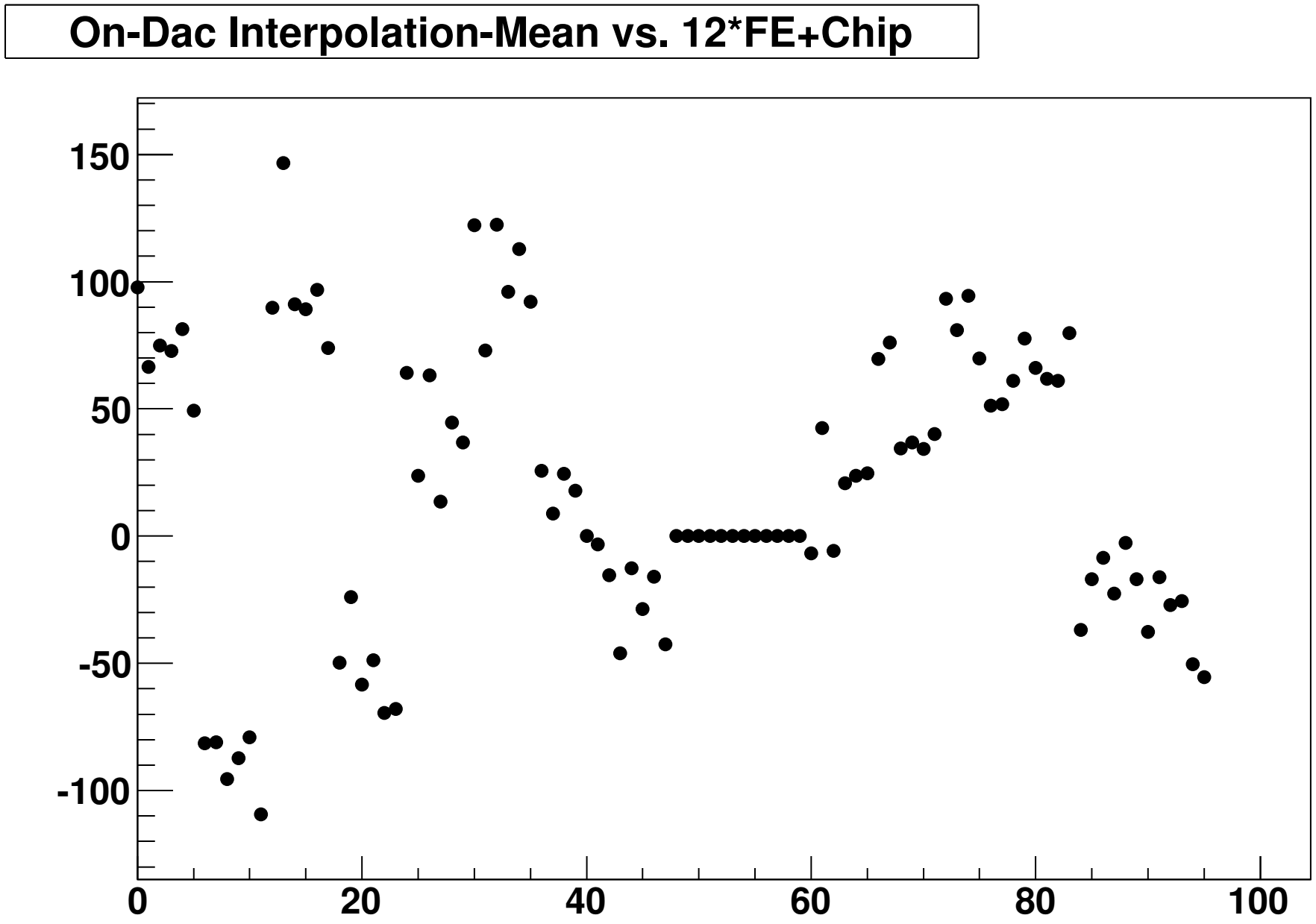

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
45
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100

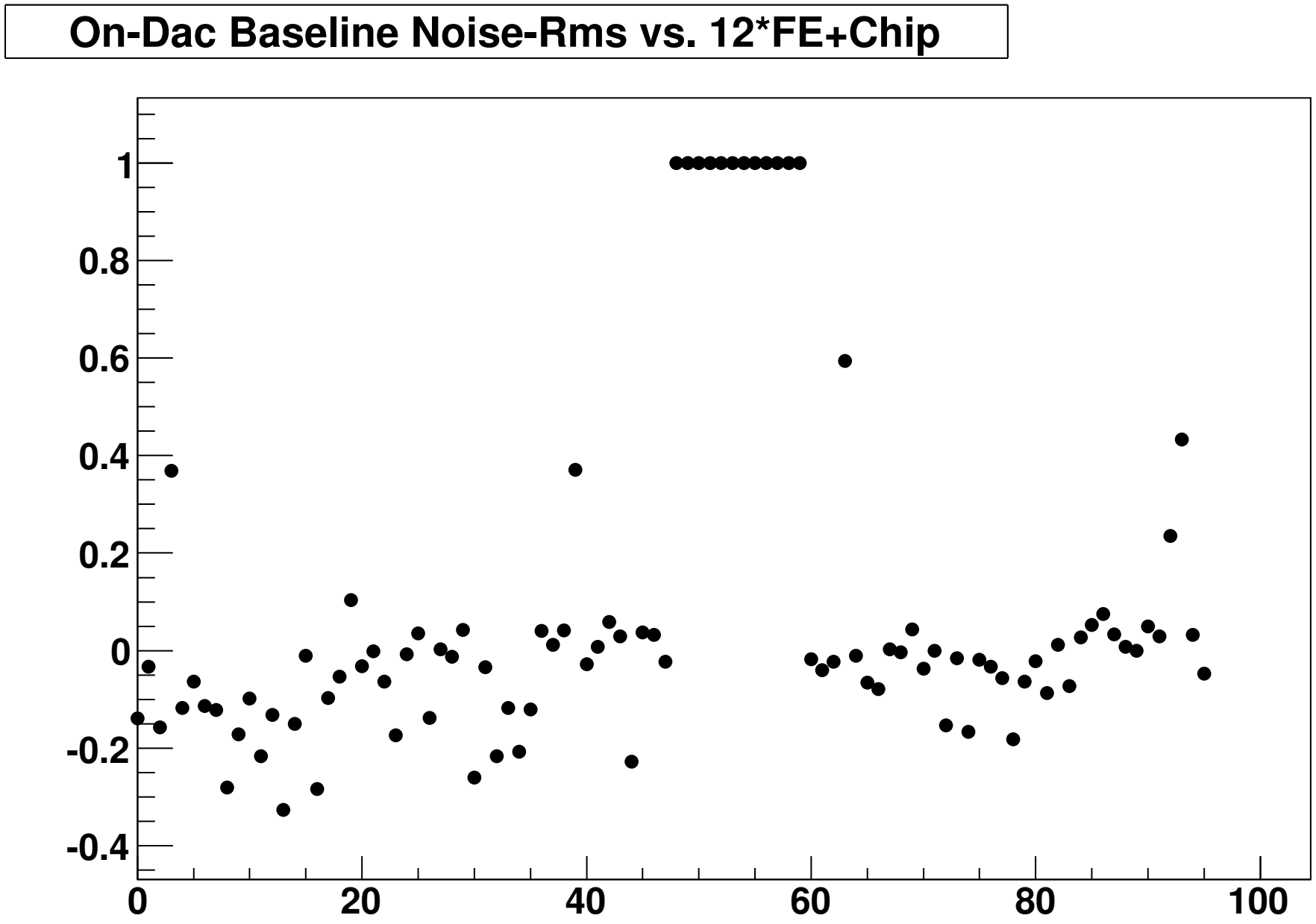

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
100
80
60
40
20
0
0
20
40
60
80
100

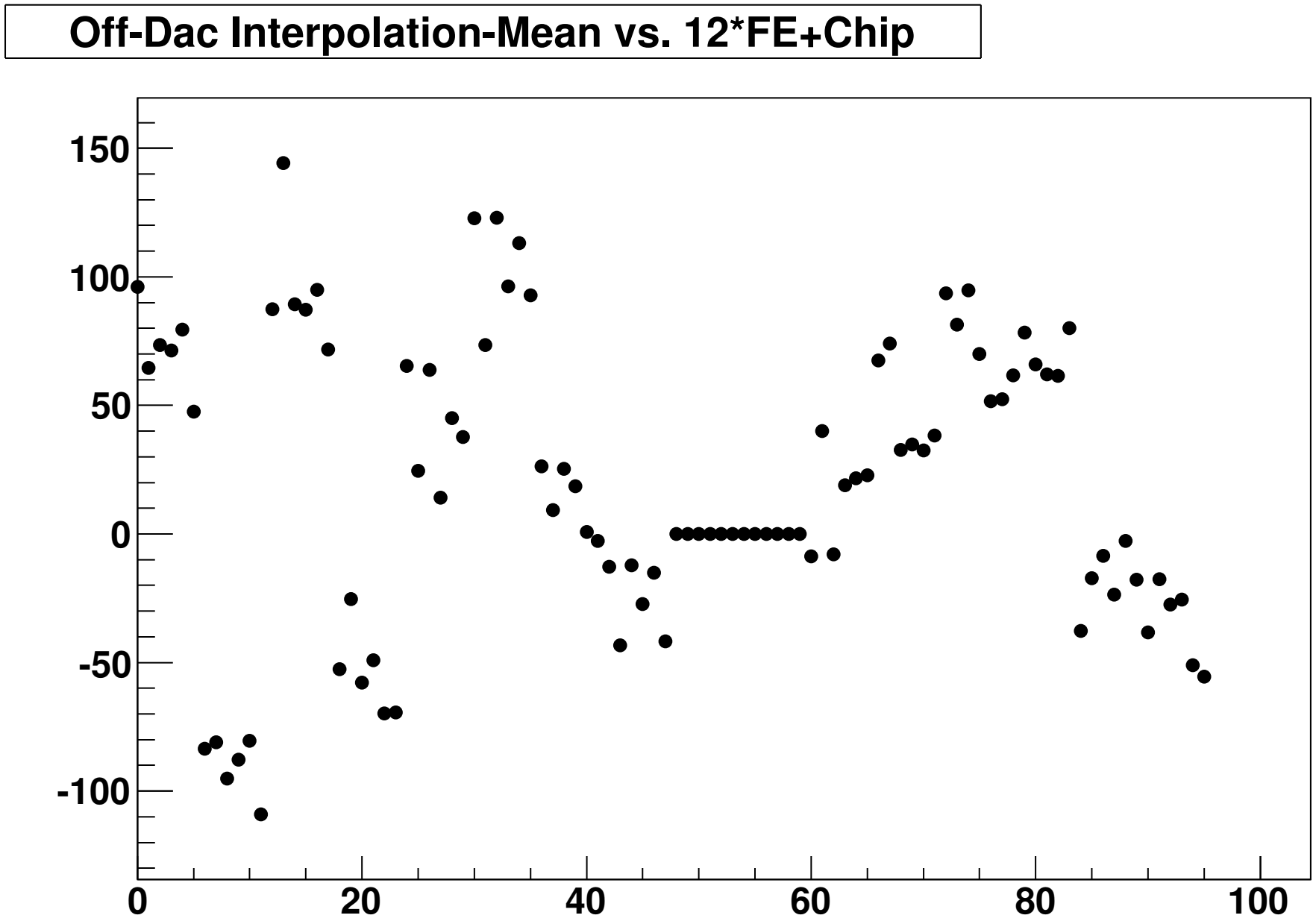

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

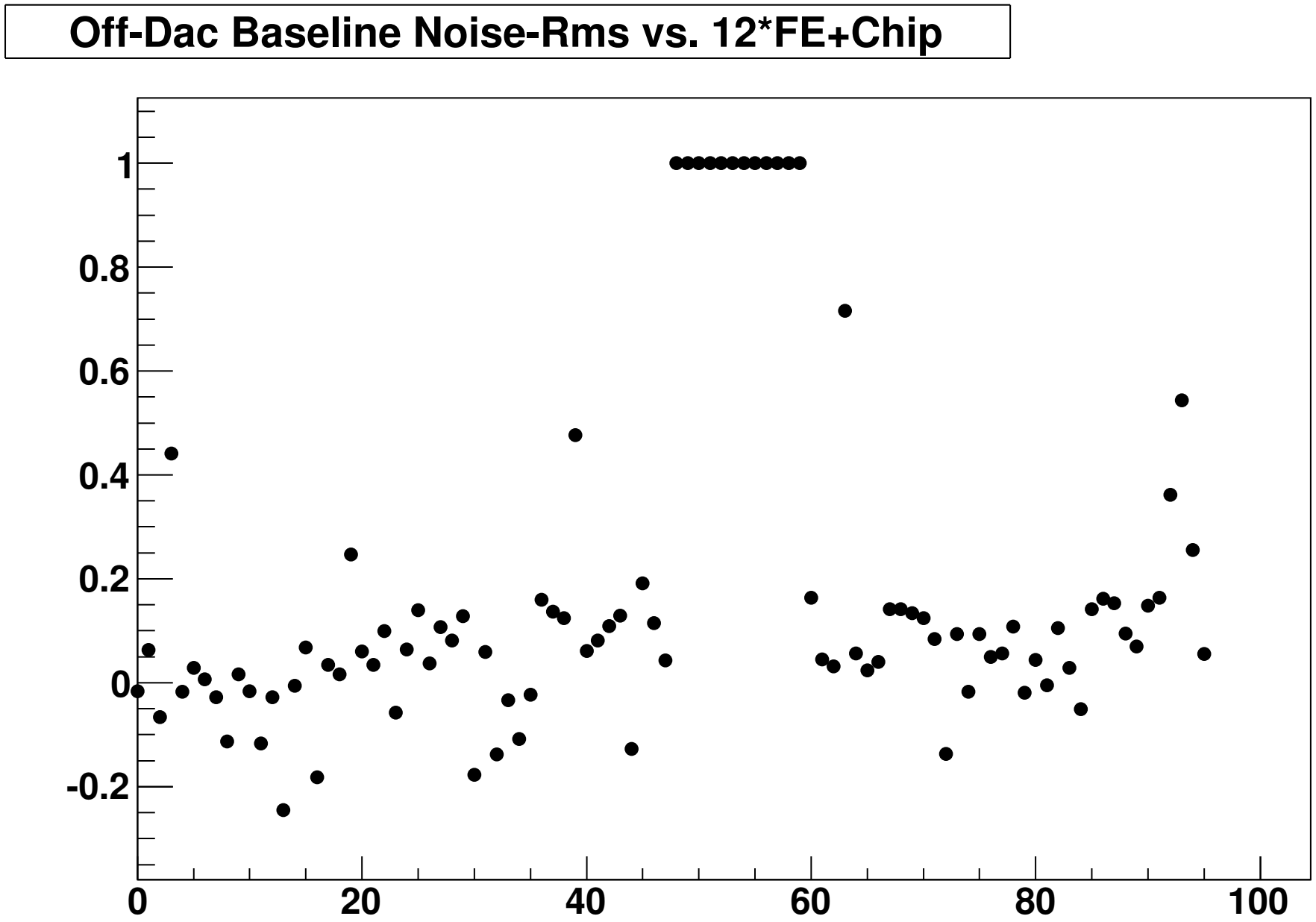

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
12
10
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
100
80
60
40
20
0
0
20
40
60
80
100


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
0
20
40
60
80
100


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


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
1
0.8
0.6
0.4
0.2
0
-0.2
0
20
40
60
80
100