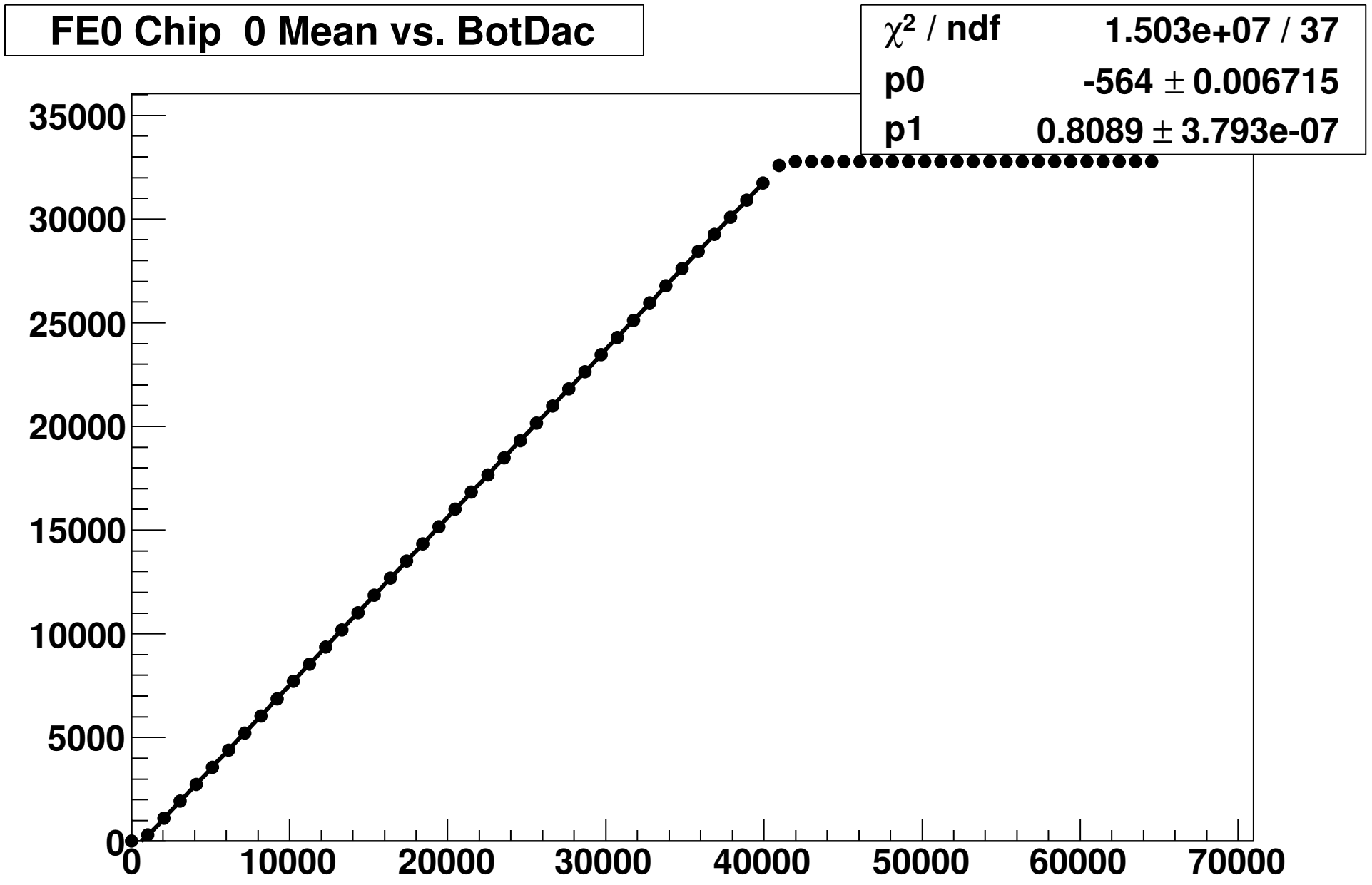
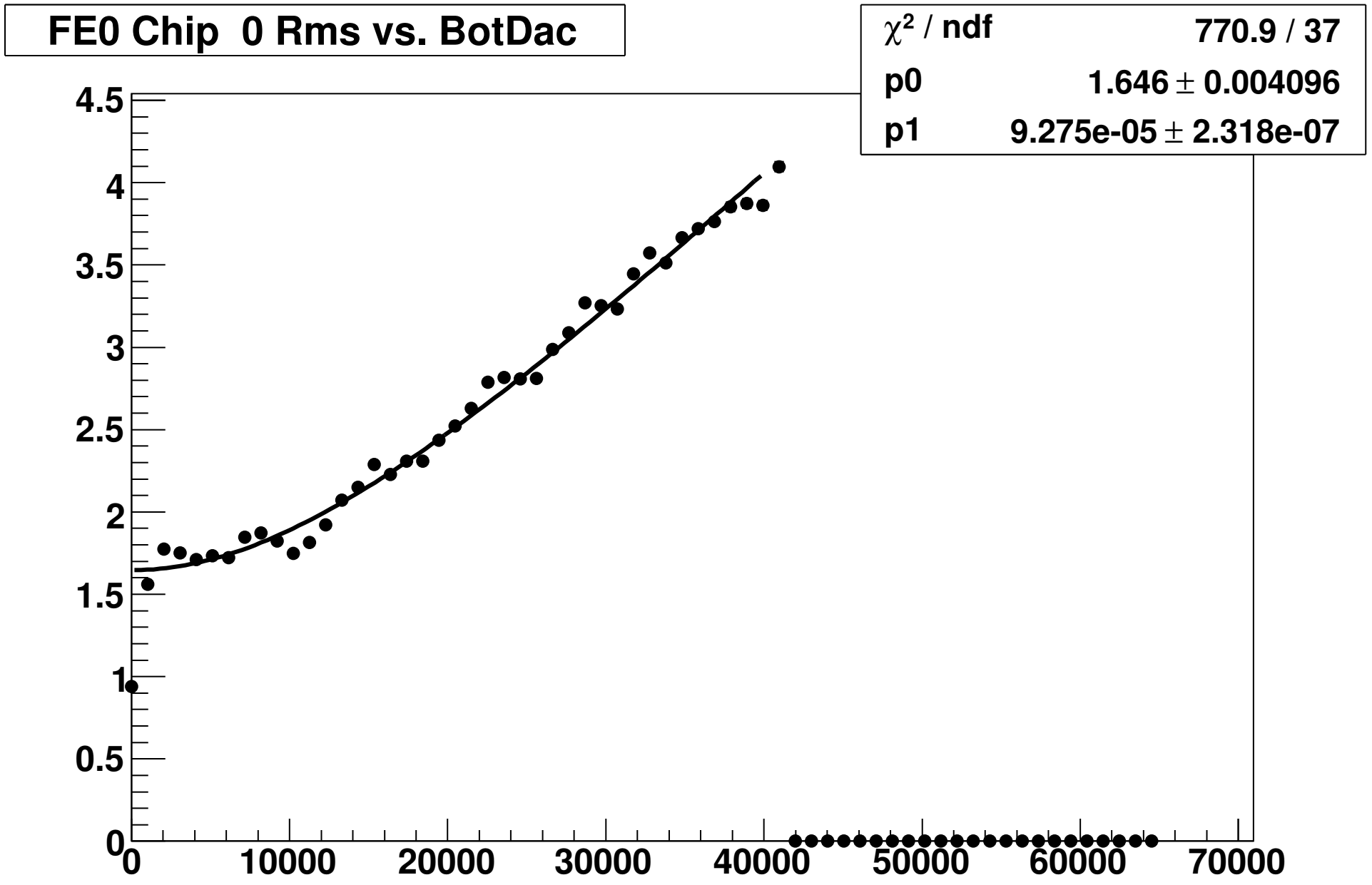
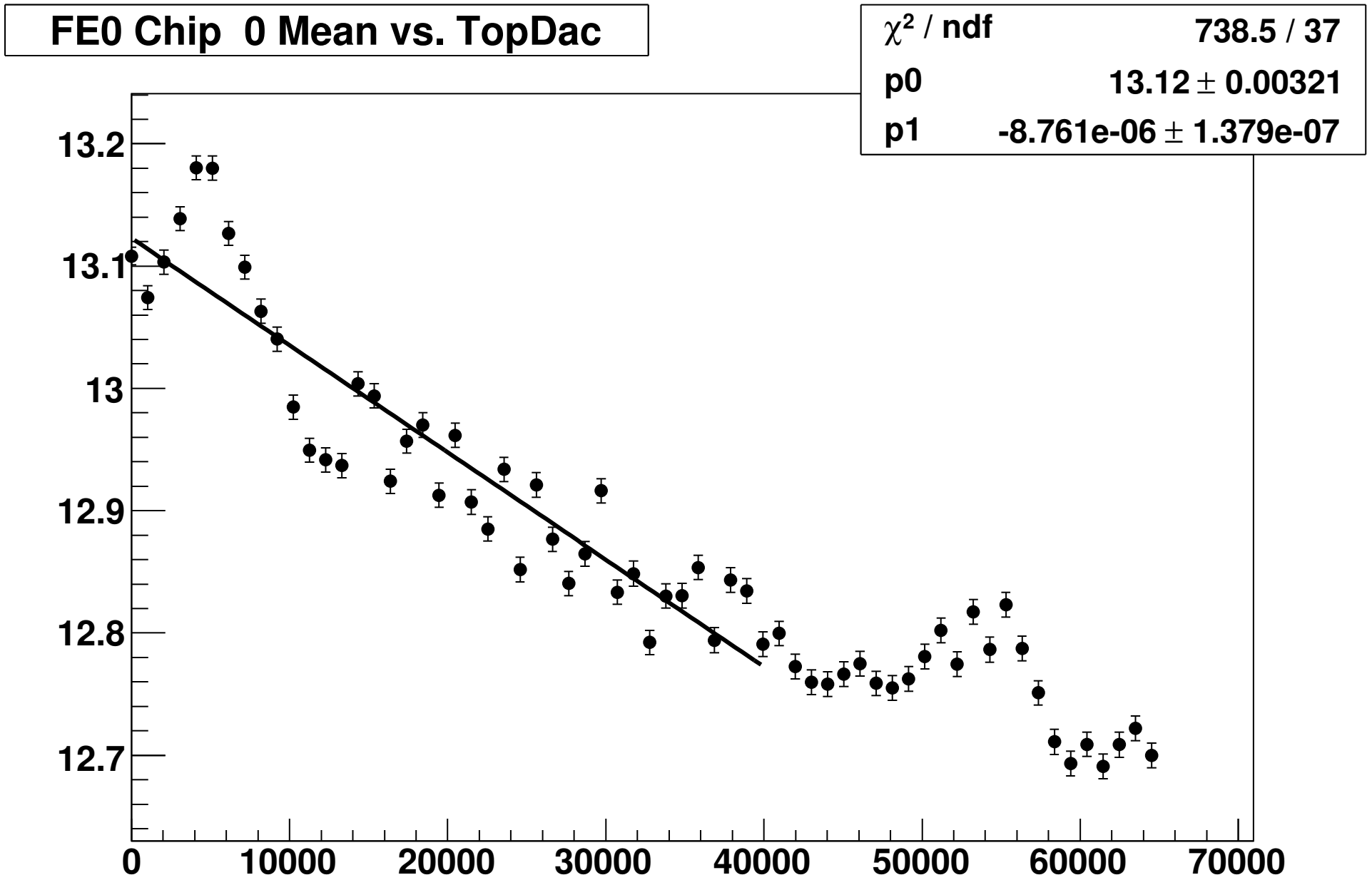
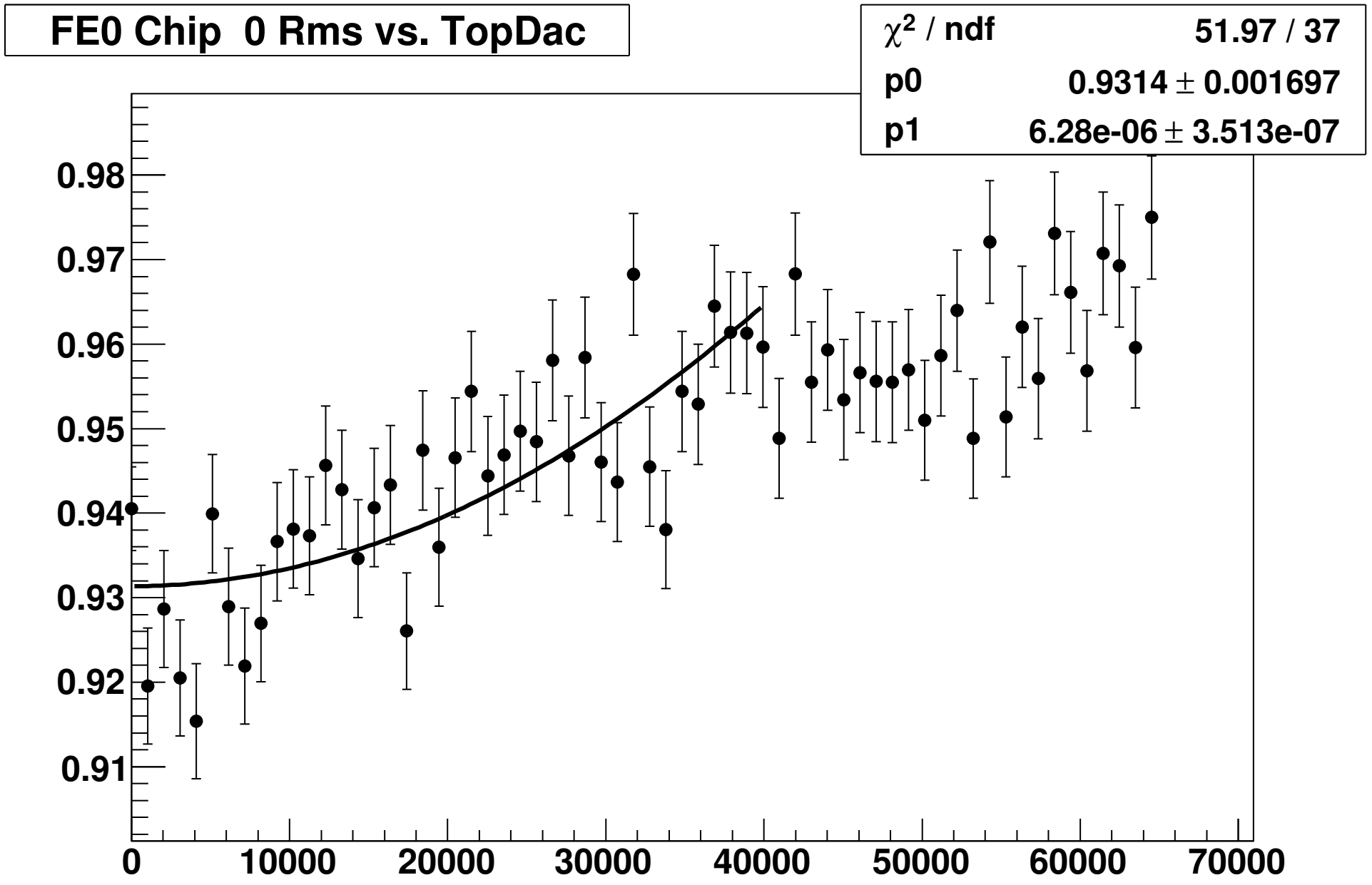
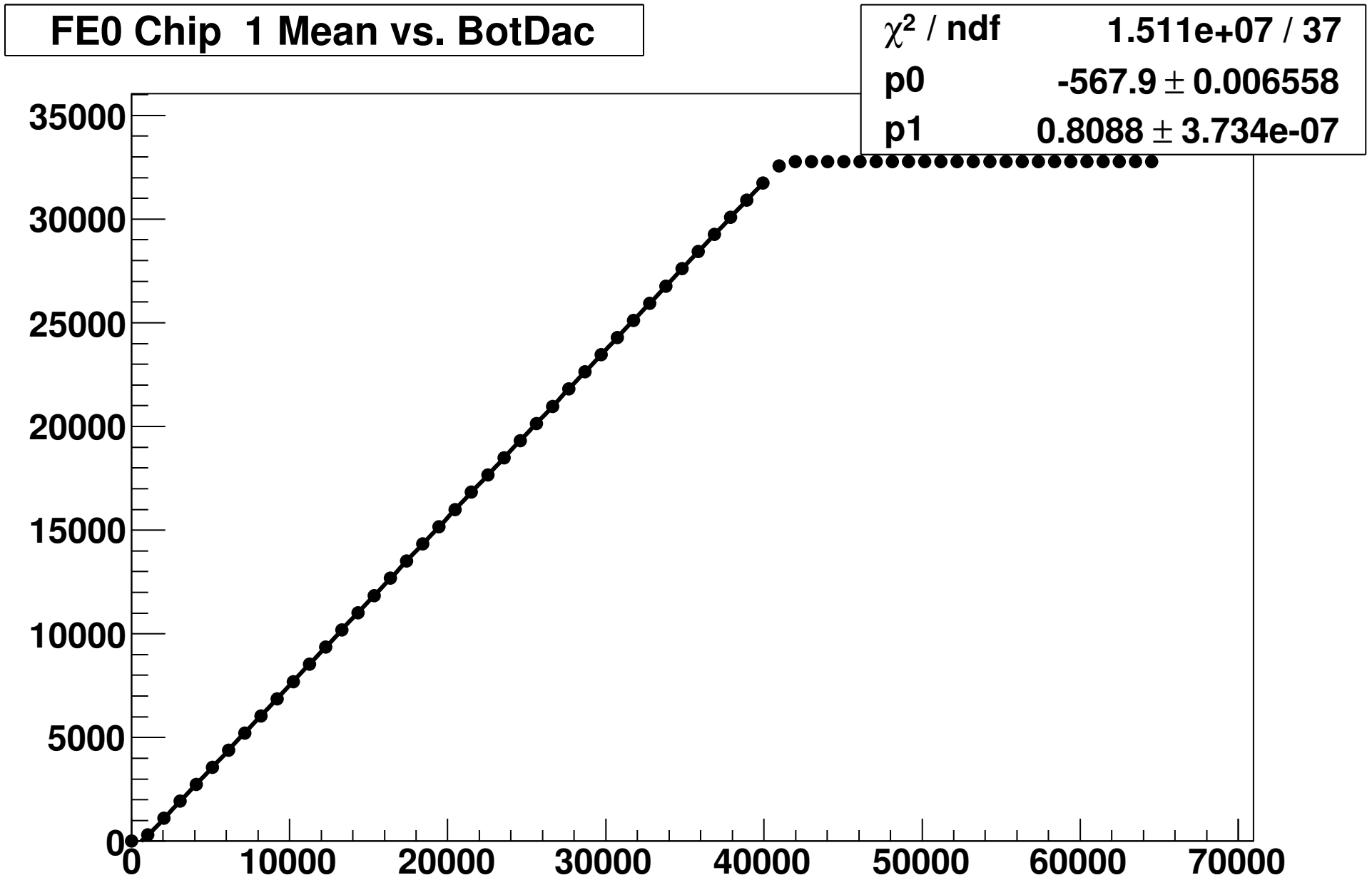
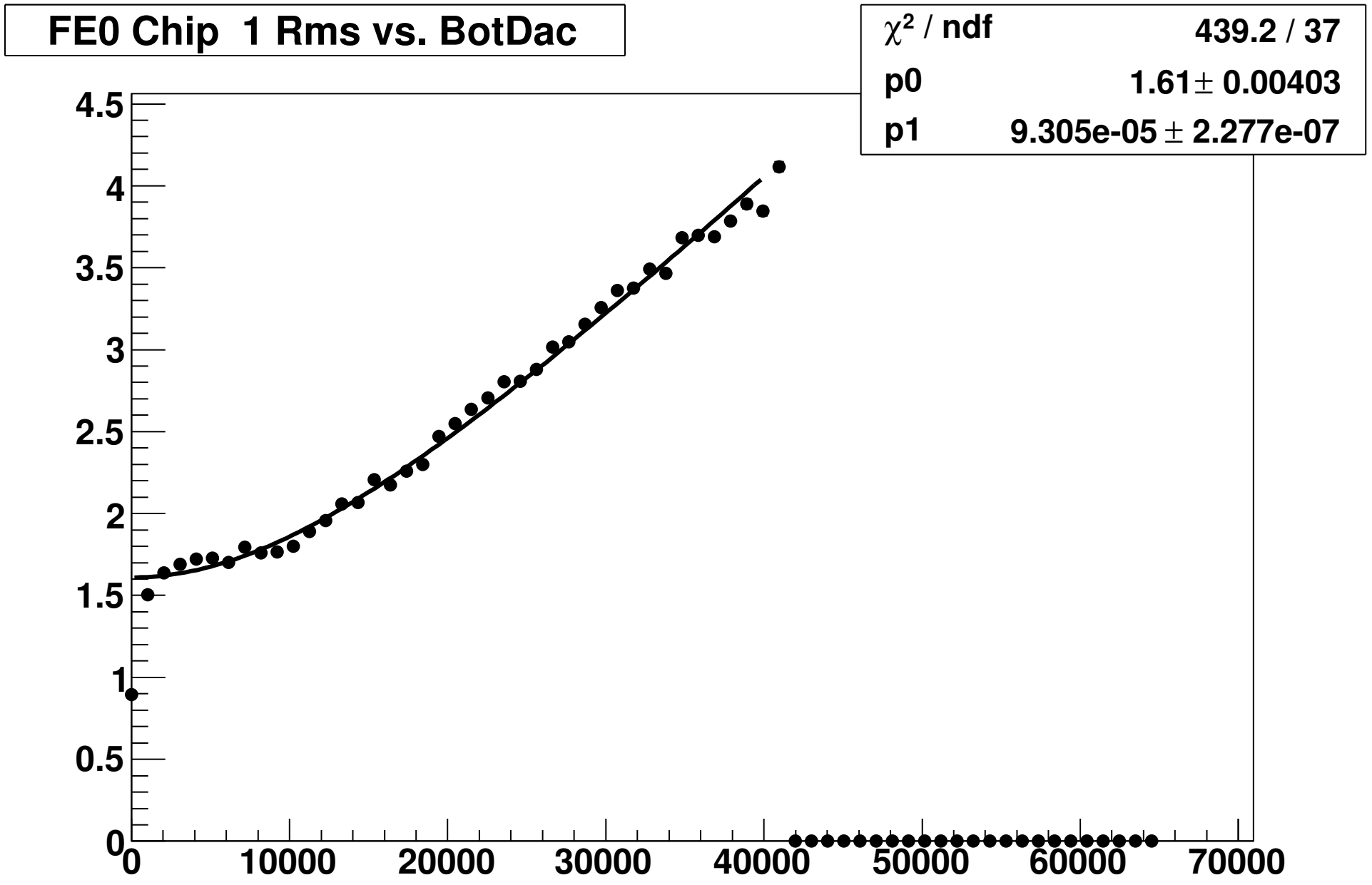

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.503e+07 / 37
p0 -564 ± 0.006715
p1 0.8089 ± 3.793e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

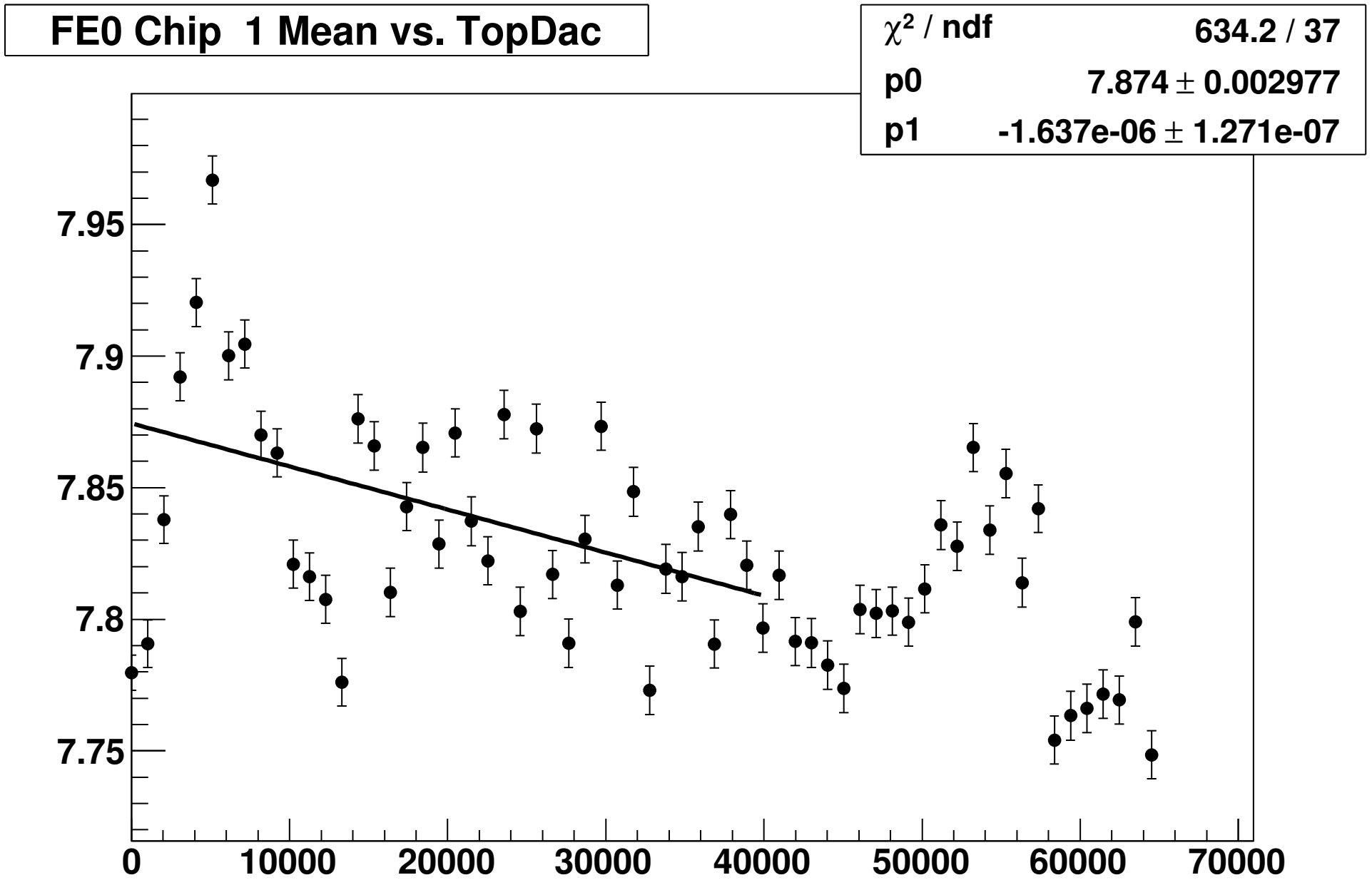

FE0 Chip 0 Rms vs. BotDac
χ² / ndf 770.9 / 37
p0 1.646 ± 0.004096
p1 9.275e-05 ± 2.318e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

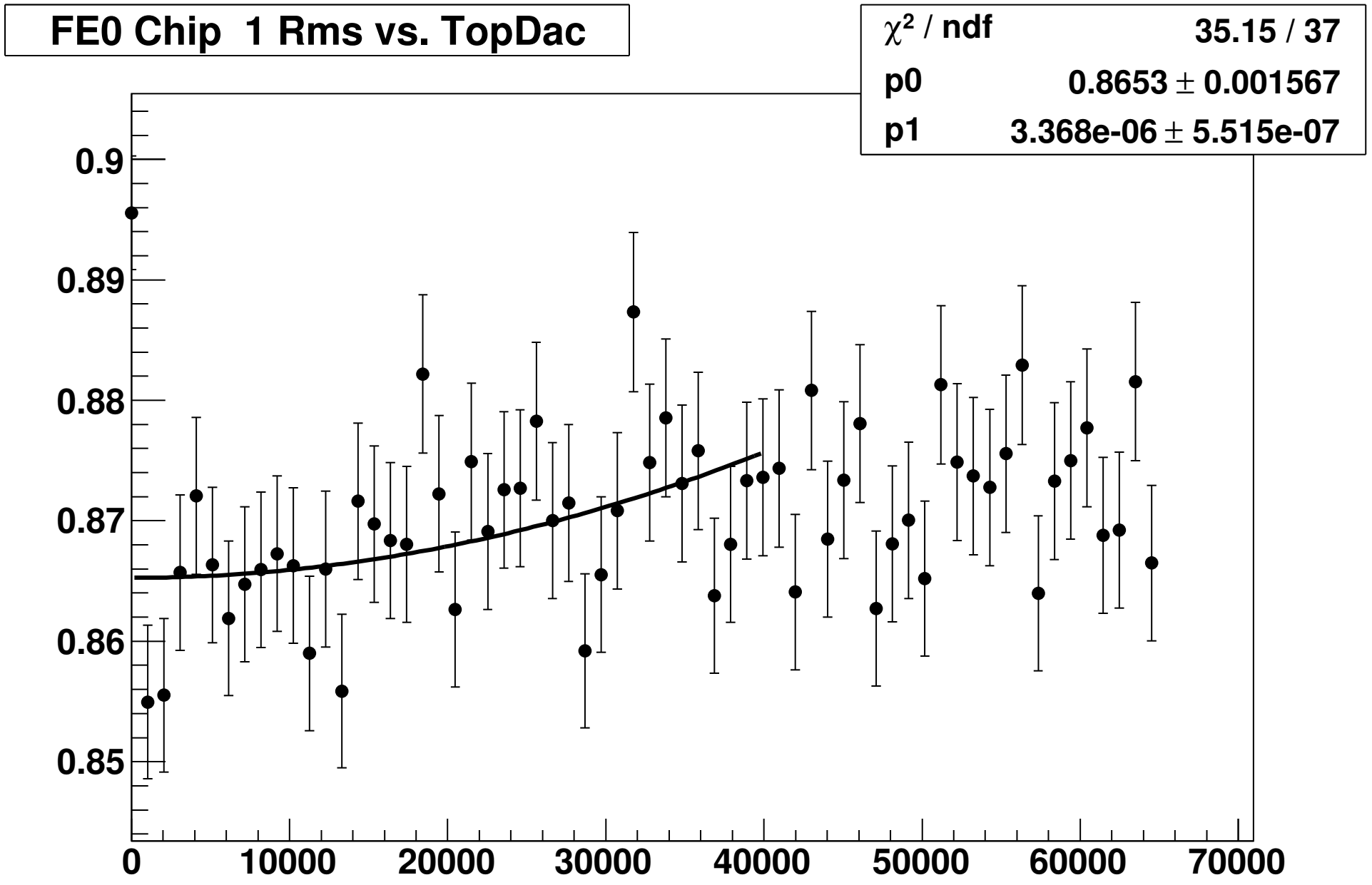

FE0 Chip 0 Mean vs. TopDac
χ² / ndf 738.5 / 37
p0 13.12 ± 0.00321
p1 -8.761e-06 ± 1.379e-07
13.2
13.1
13
12.9
12.8
12.7
0
10000
20000
30000
40000
50000
60000
70000

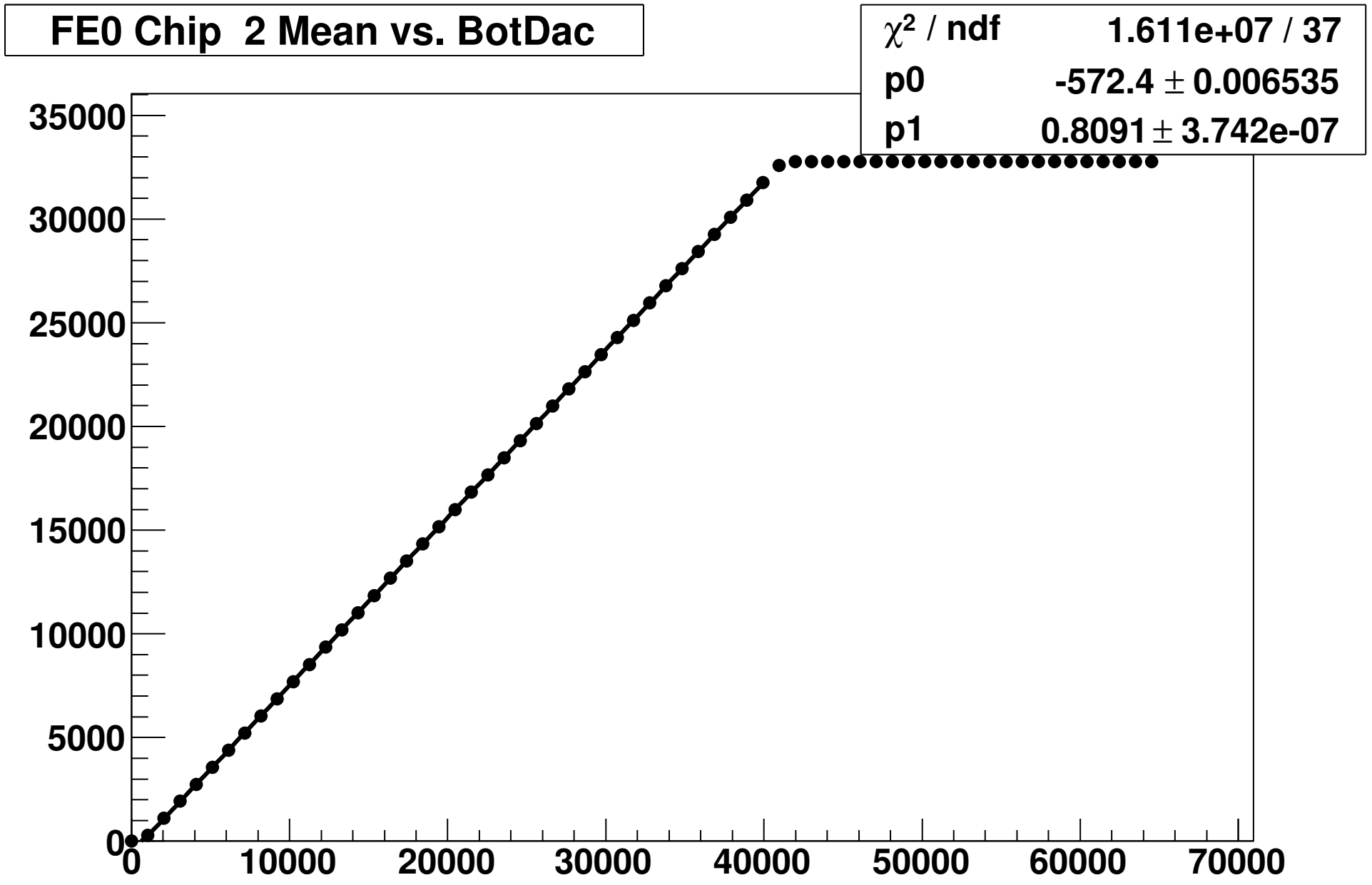

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 51.97 / 37
p0 0.9314 ± 0.001697
p1 6.28e-06 ± 3.513e-07
0.98
0.97
0.96
0.95
0.94
0.93
0.92
0.91
0
10000
20000
30000
40000
50000
60000
70000

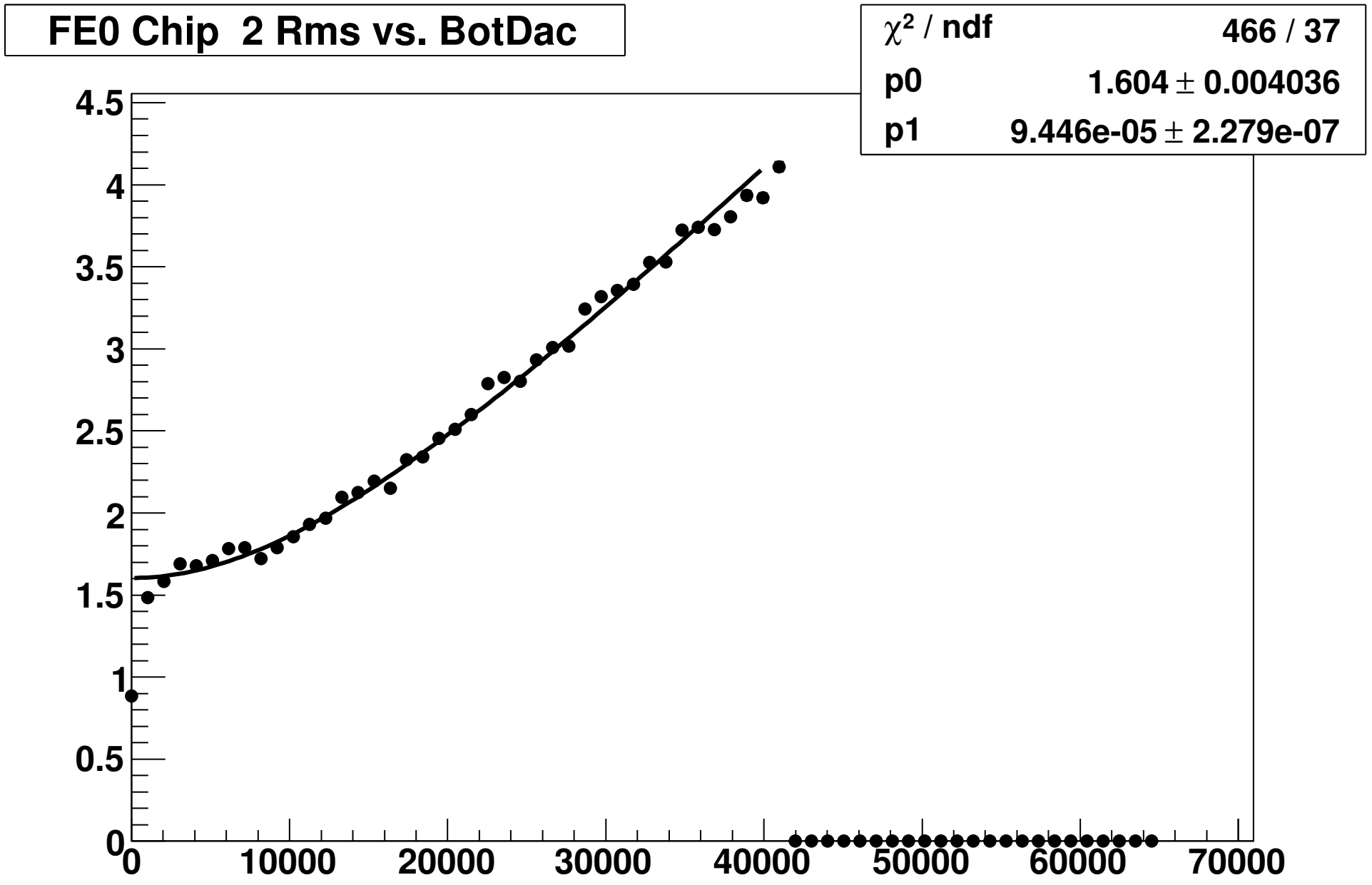

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.511e+07 / 37
p0 -567.9 ± 0.006558
p1 0.8088 ± 3.734e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

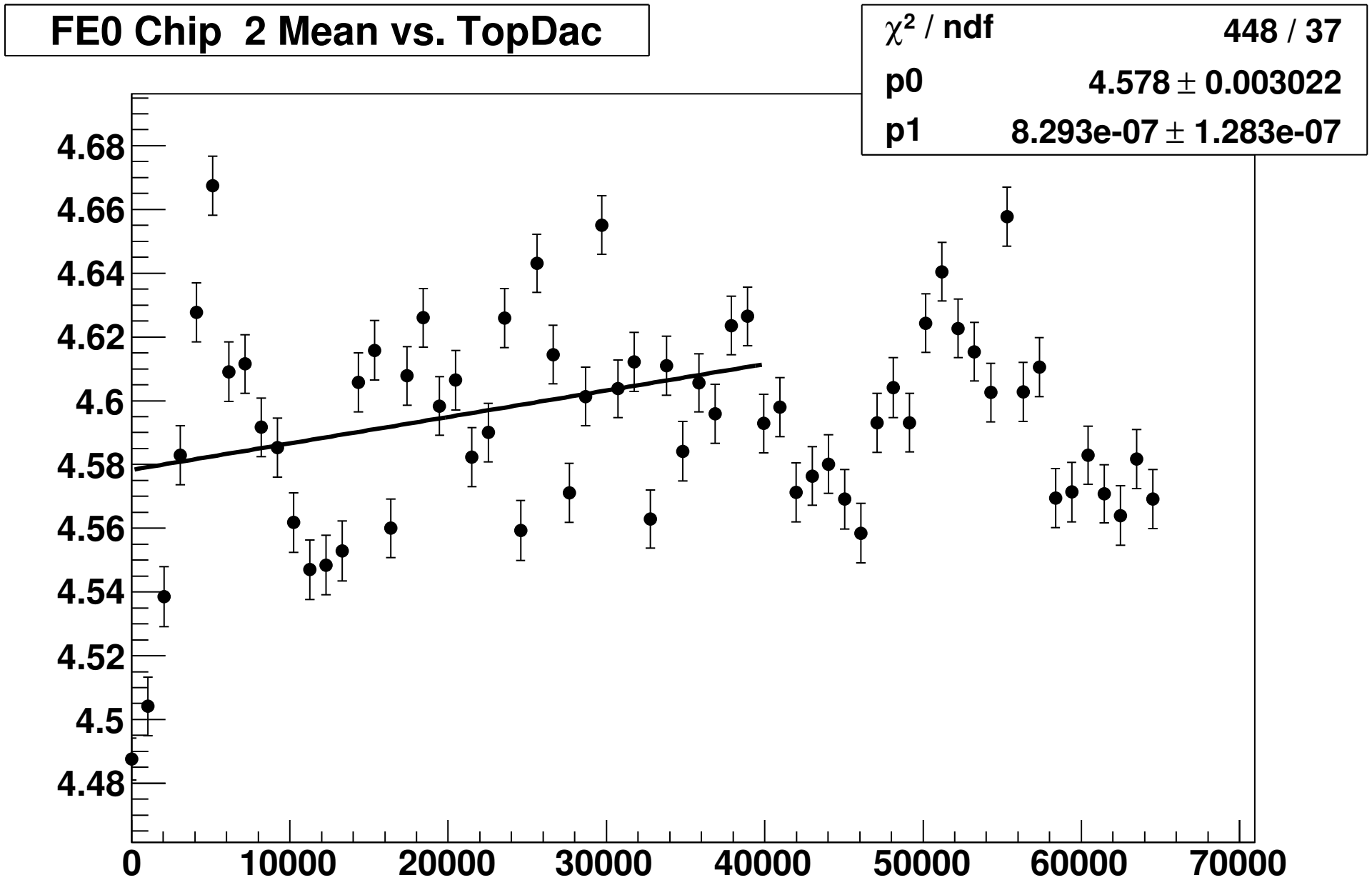

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 439.2 / 37
p0 1.61 ± 0.00403
p1 9.305e-05 ± 2.277e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

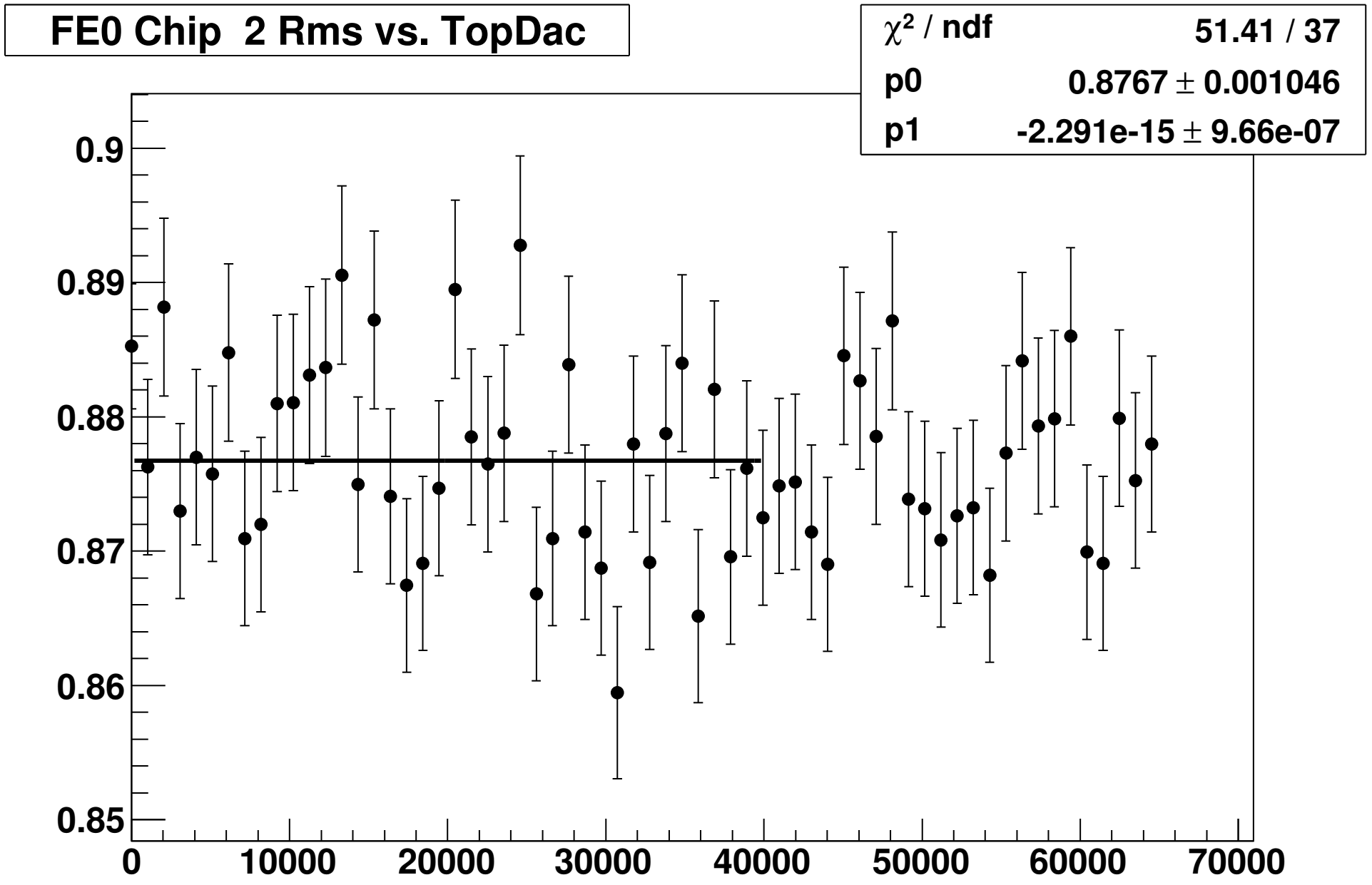

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 634.2 / 37
p0 7.874 ± 0.002977
p1 -1.637e-06 ± 1.271e-07
7.95
7.9
7.85
7.8
7.75
0
10000
20000
30000
40000
50000
60000
70000

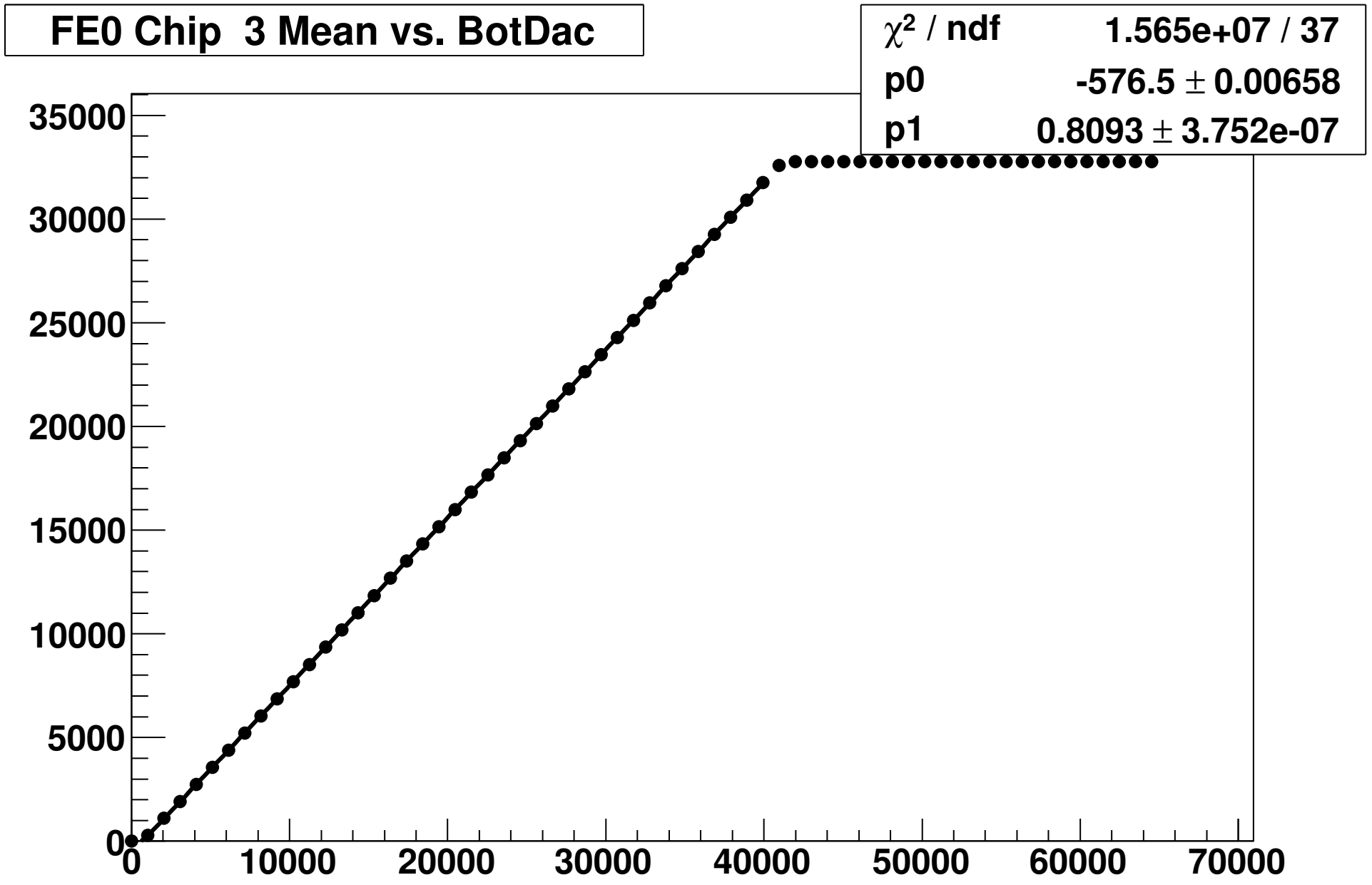

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 35.15 / 37
p0 0.8653 ± 0.001567
p1 3.368e-06 ± 5.515e-07
0.9
0.89
0.88
0.87
0.86
0.85
0
10000
20000
30000
40000
50000
60000
70000

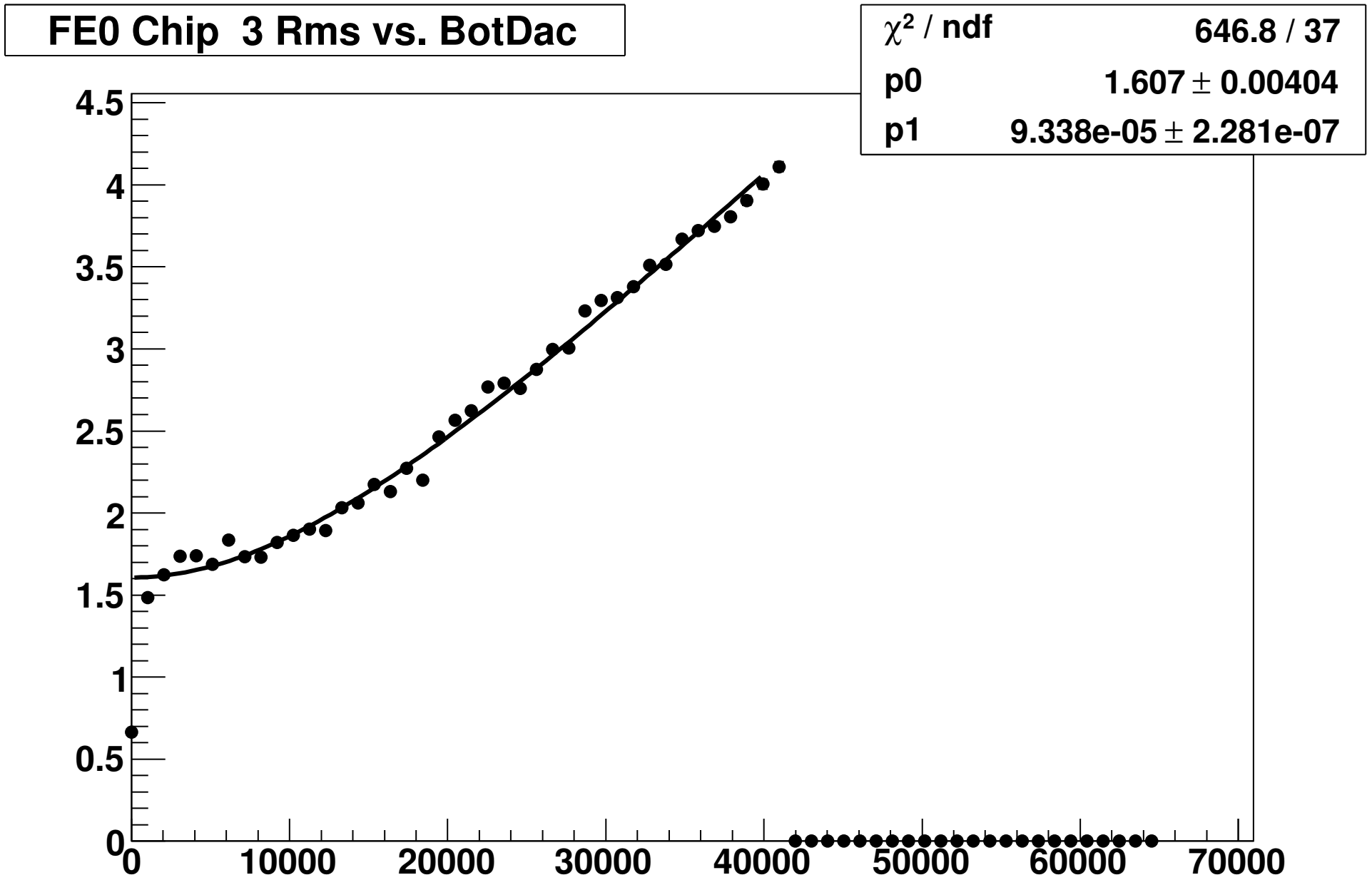

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.611e+07 / 37
p0 -572.4 ± 0.006535
p1 0.8091 ± 3.742e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

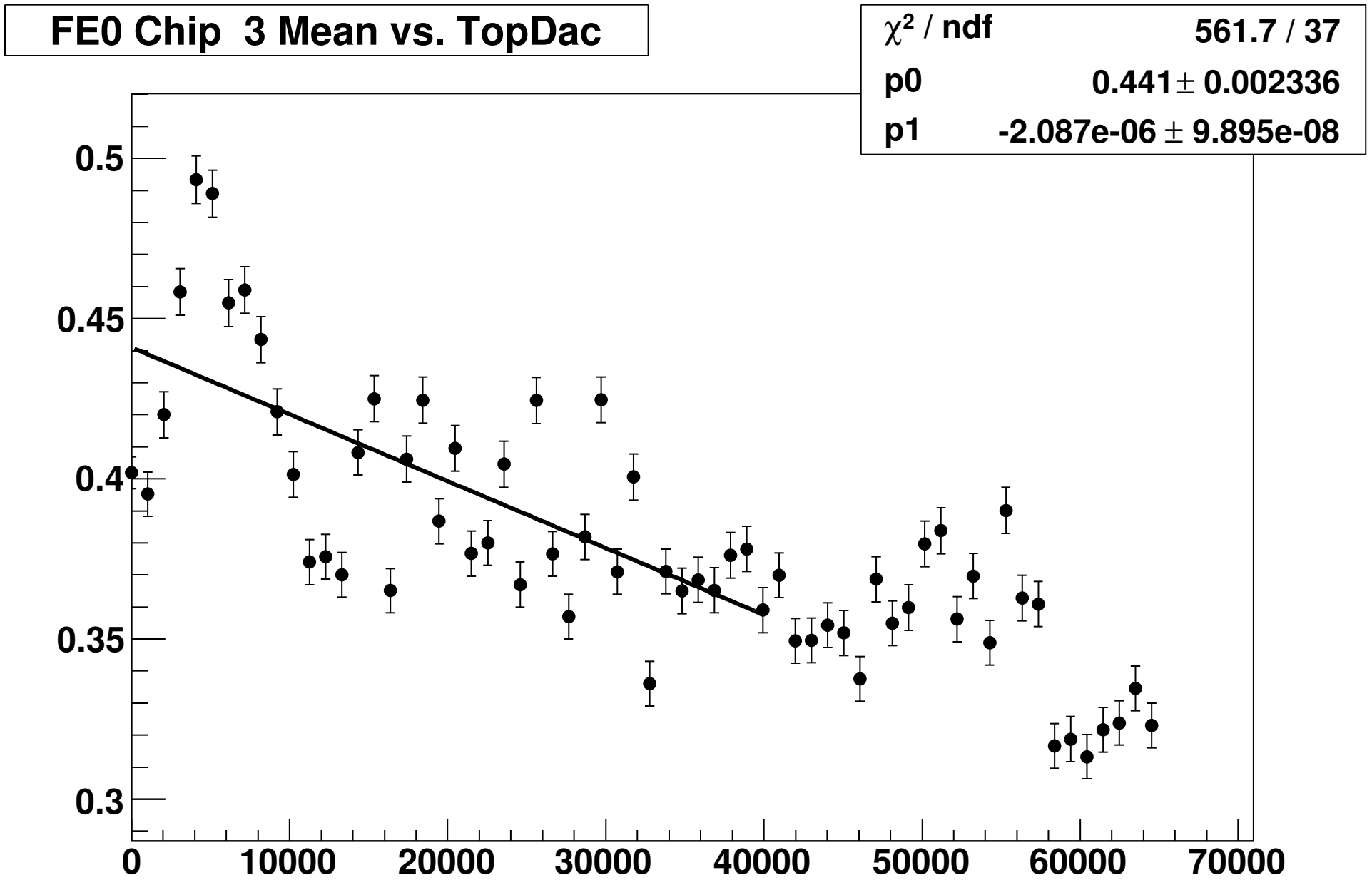

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 466 / 37
p0 1.604 ± 0.004036
p1 9.446e-05 ± 2.279e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

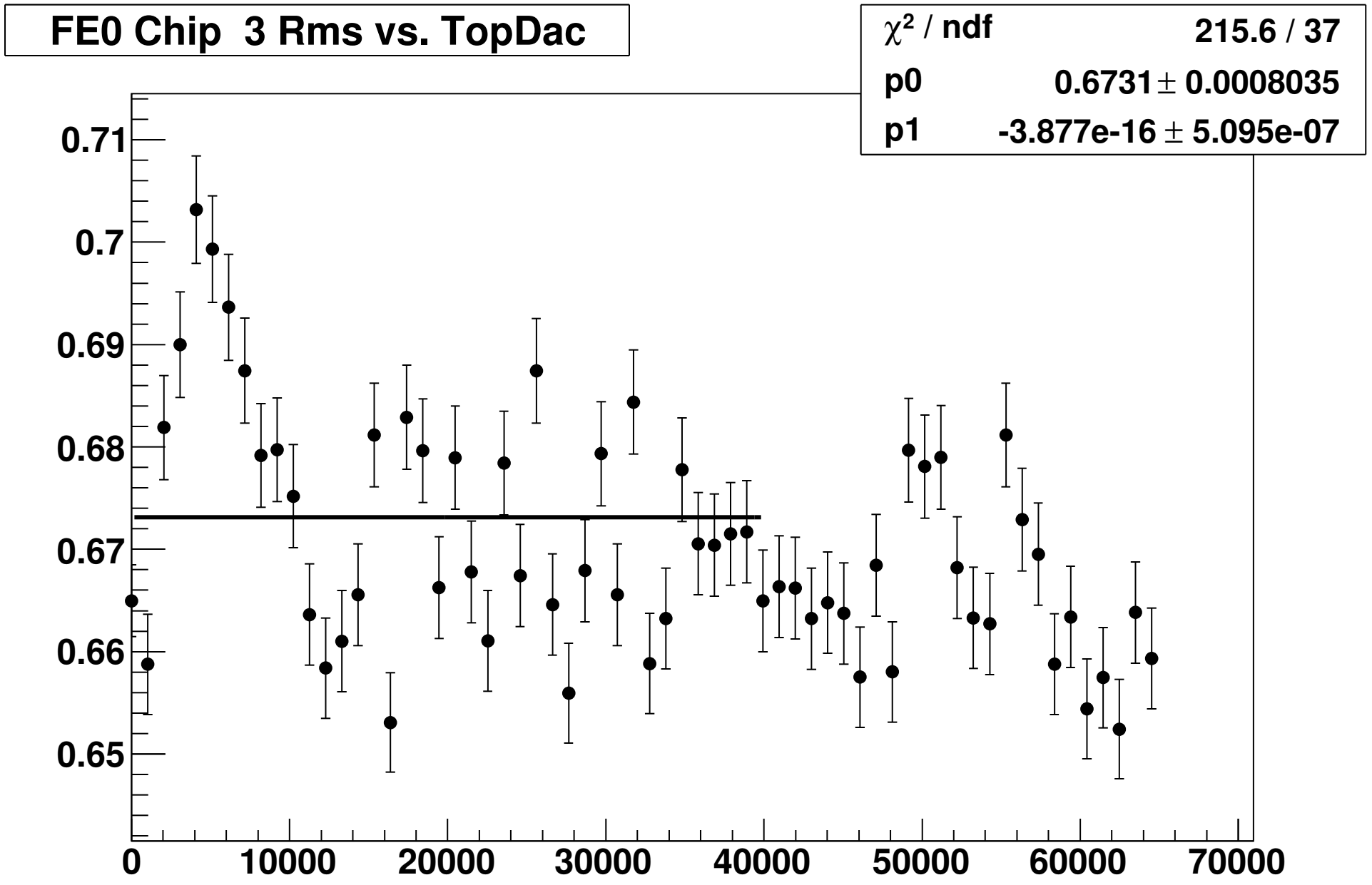

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 448 / 37
p0 4.578 ± 0.003022
p1 8.293e-07 ± 1.283e-07
4.68
4.66
4.64
4.62
4.6
4.58
4.56
4.54
4.52
4.5
4.48
0
10000
20000
30000
40000
50000
60000
70000

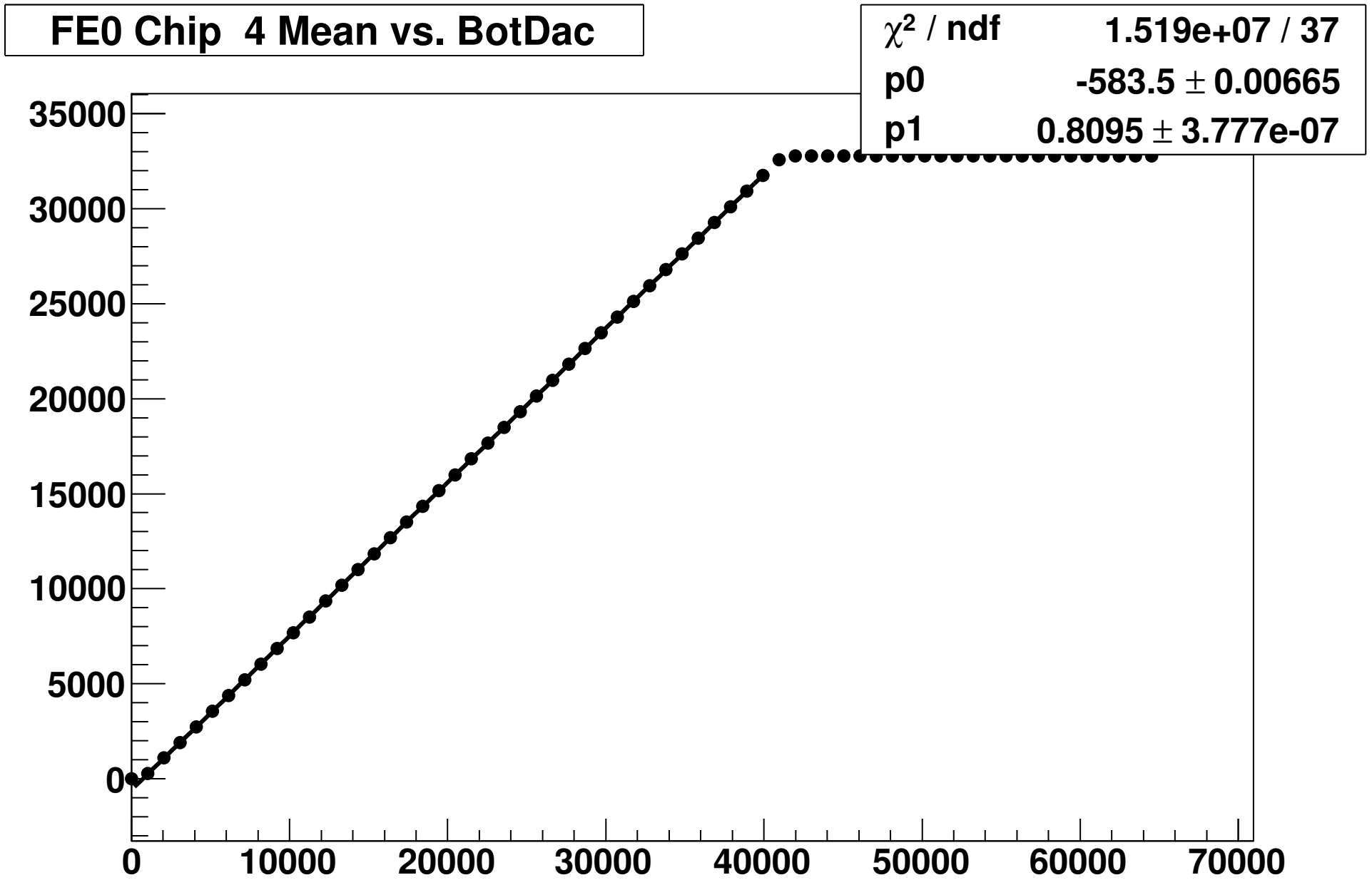

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 51.41 / 37
p0 0.8767 ± 0.001046
p1 -2.291e-15 ± 9.66e-07
0.9
0.89
0.88
0.87
0.86
0.85
0
10000
20000
30000
40000
50000
60000
70000

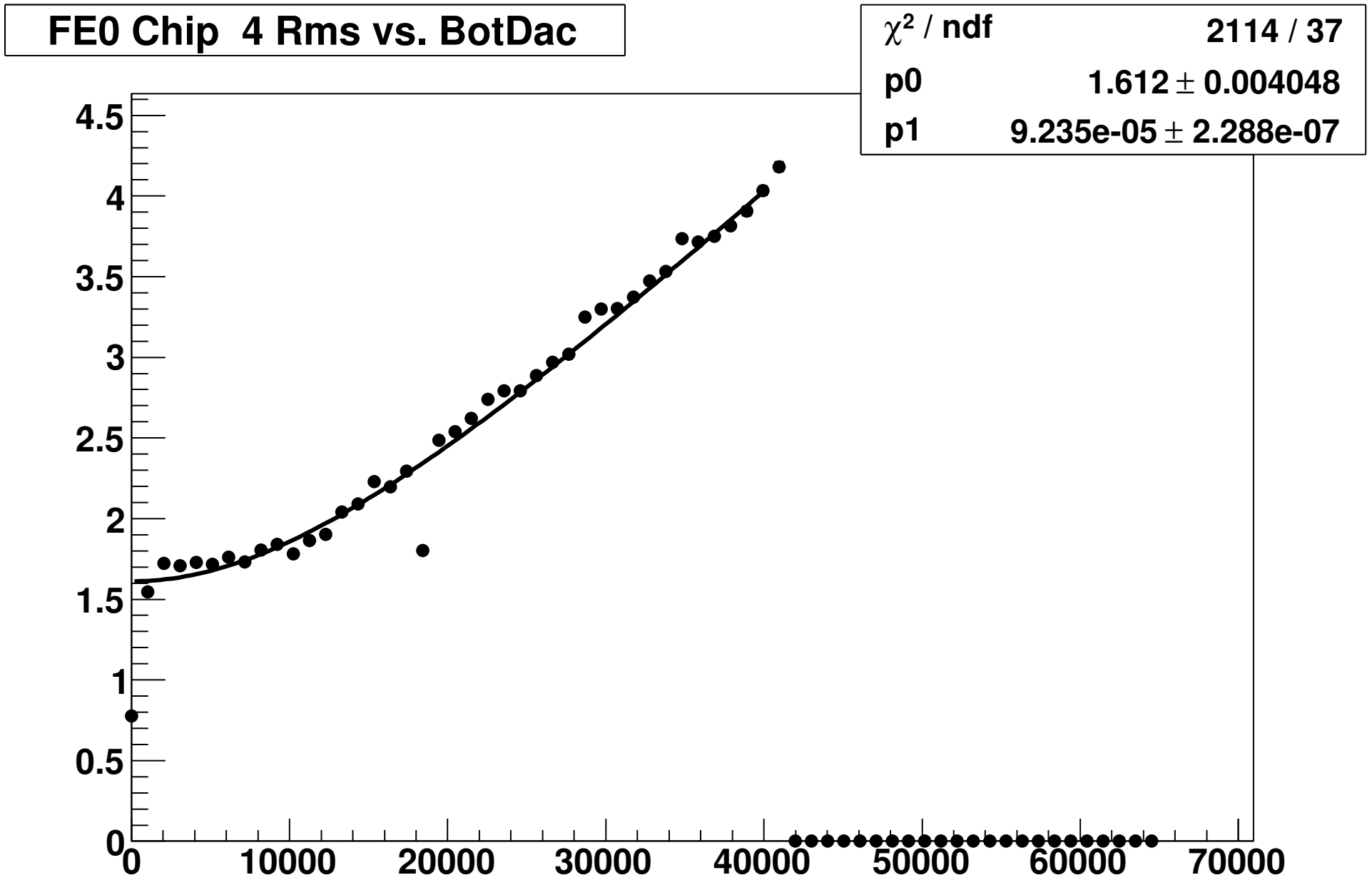

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.565e+07 / 37
p0 -576.5 ± 0.00658
p1 0.8093 ± 3.752e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

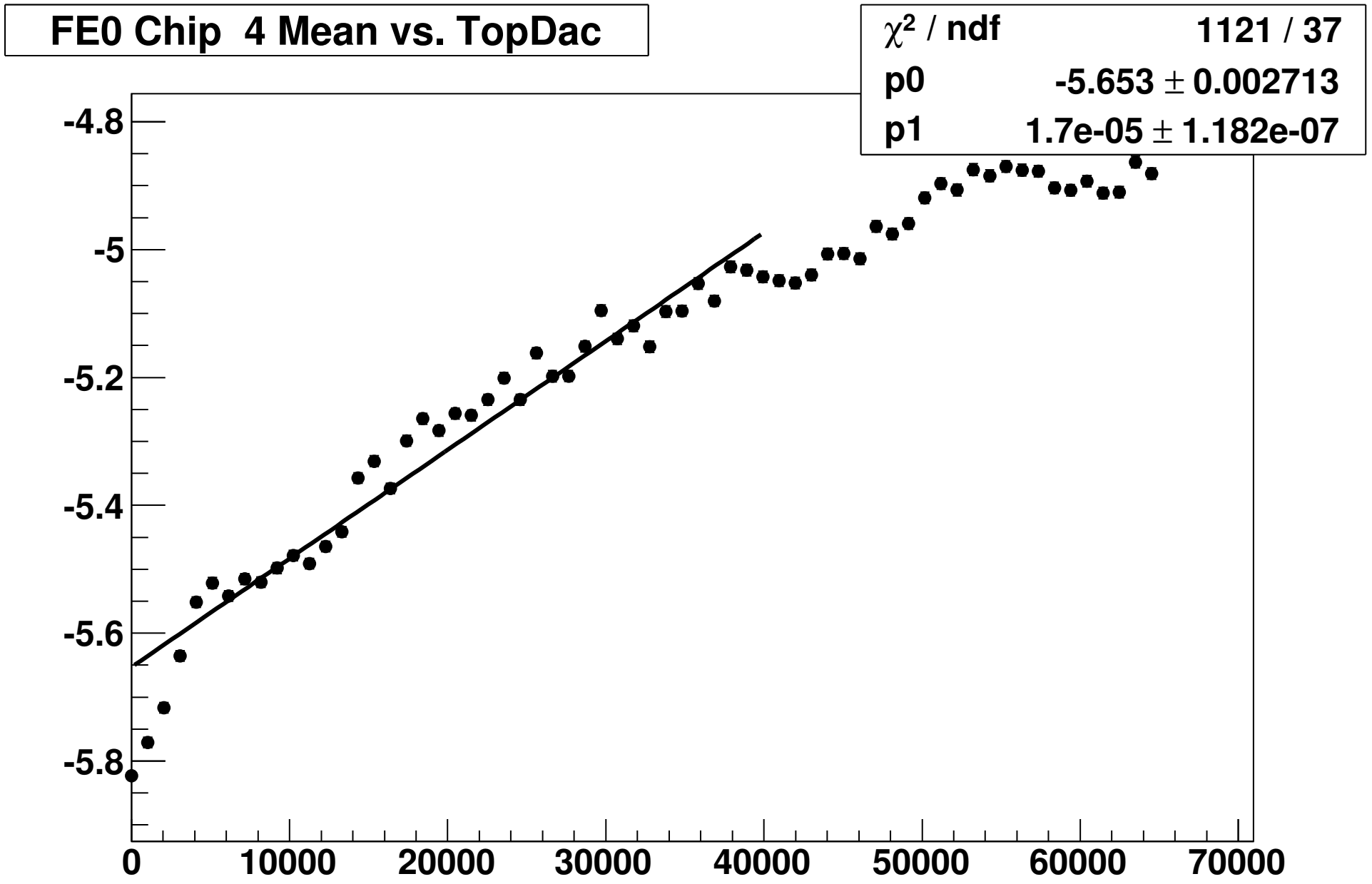

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 646.8 / 37
p0 1.607 ± 0.00404
p1 9.338e-05 ± 2.281e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

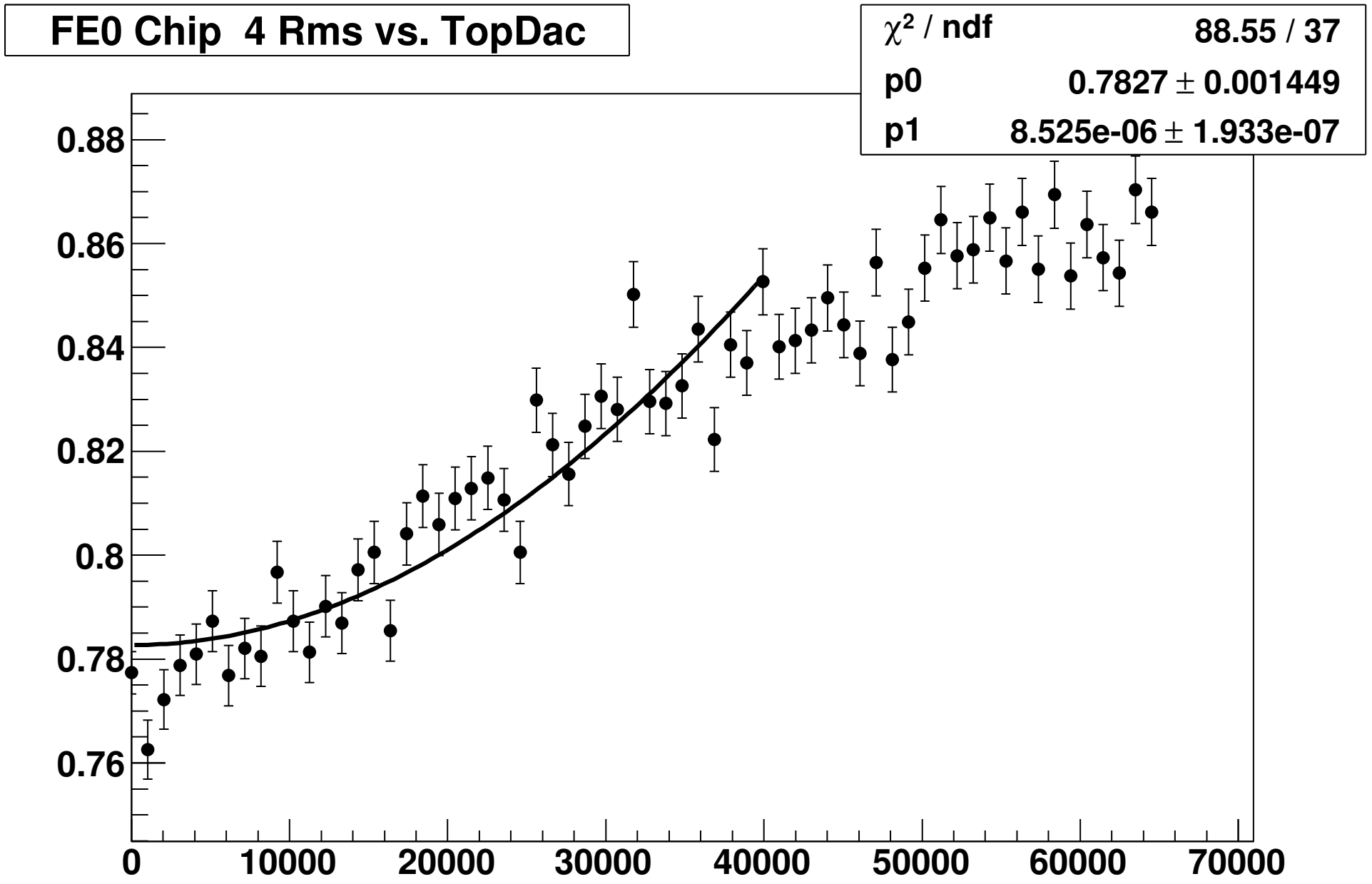

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 561.7 / 37
p0 0.441 ± 0.002336
p1 -2.087e-06 ± 9.895e-08
0.5
0.45
0.4
0.35
0.3
0
10000
20000
30000
40000
50000
60000
70000

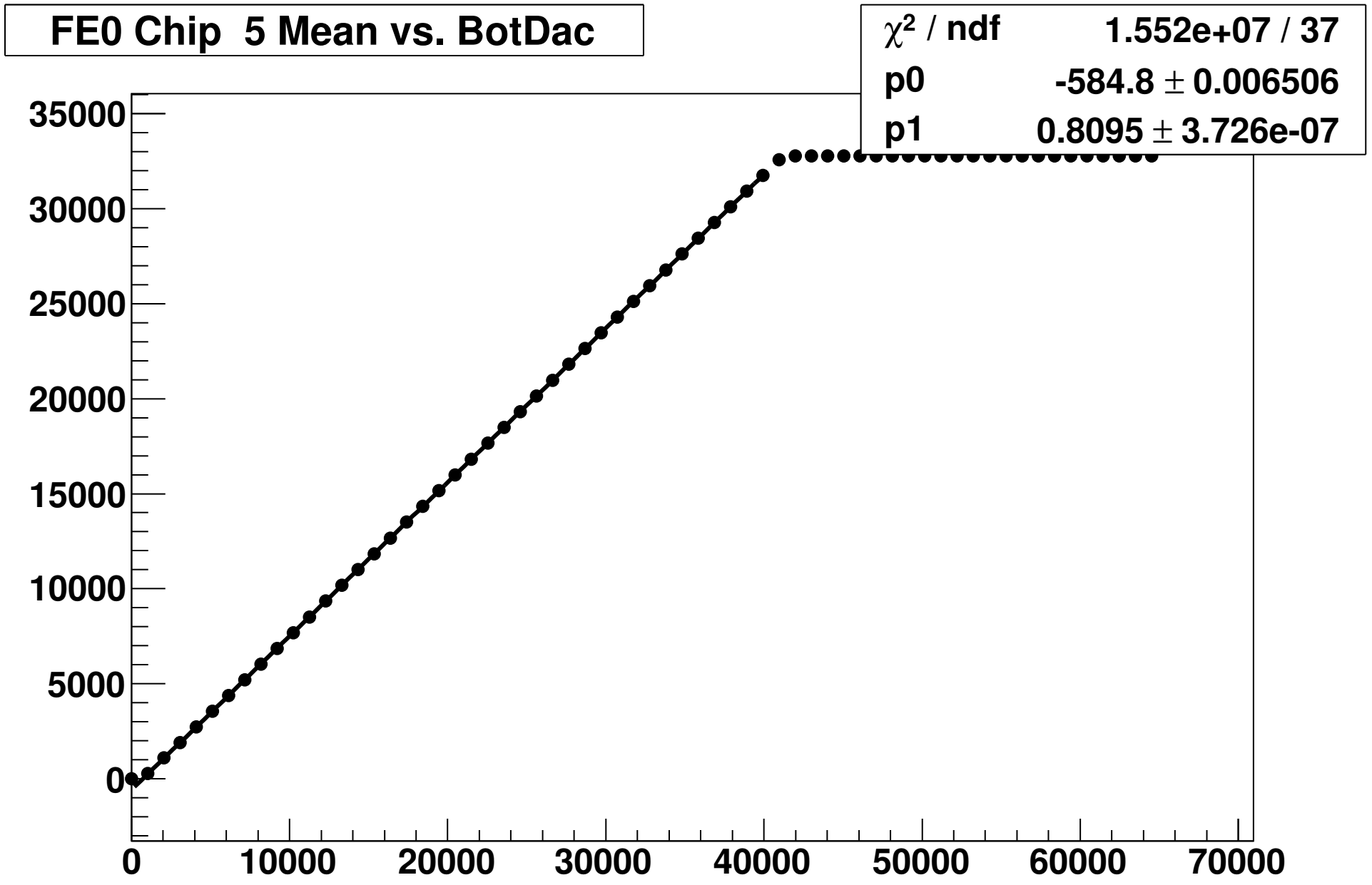

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 215.6 / 37
p0 0.6731 ± 0.0008035
p1 -3.877e-16 ± 5.095e-07
0.71
0.7
0.69
0.68
0.67
0.66
0.65
0
10000
20000
30000
40000
50000
60000
70000

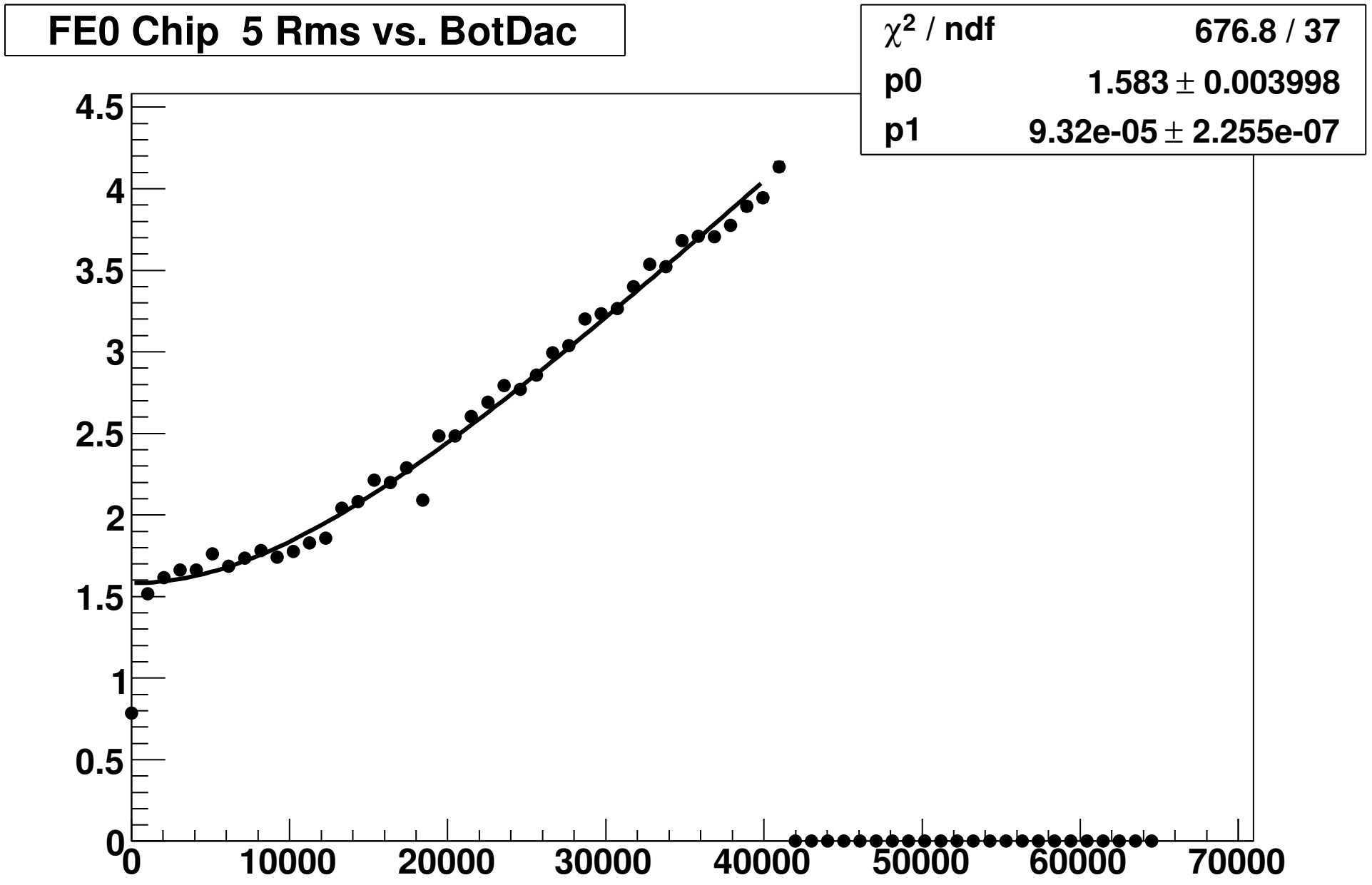

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.519e+07 / 37
p0 -583.5 ± 0.00665
p1 0.8095 ± 3.777e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

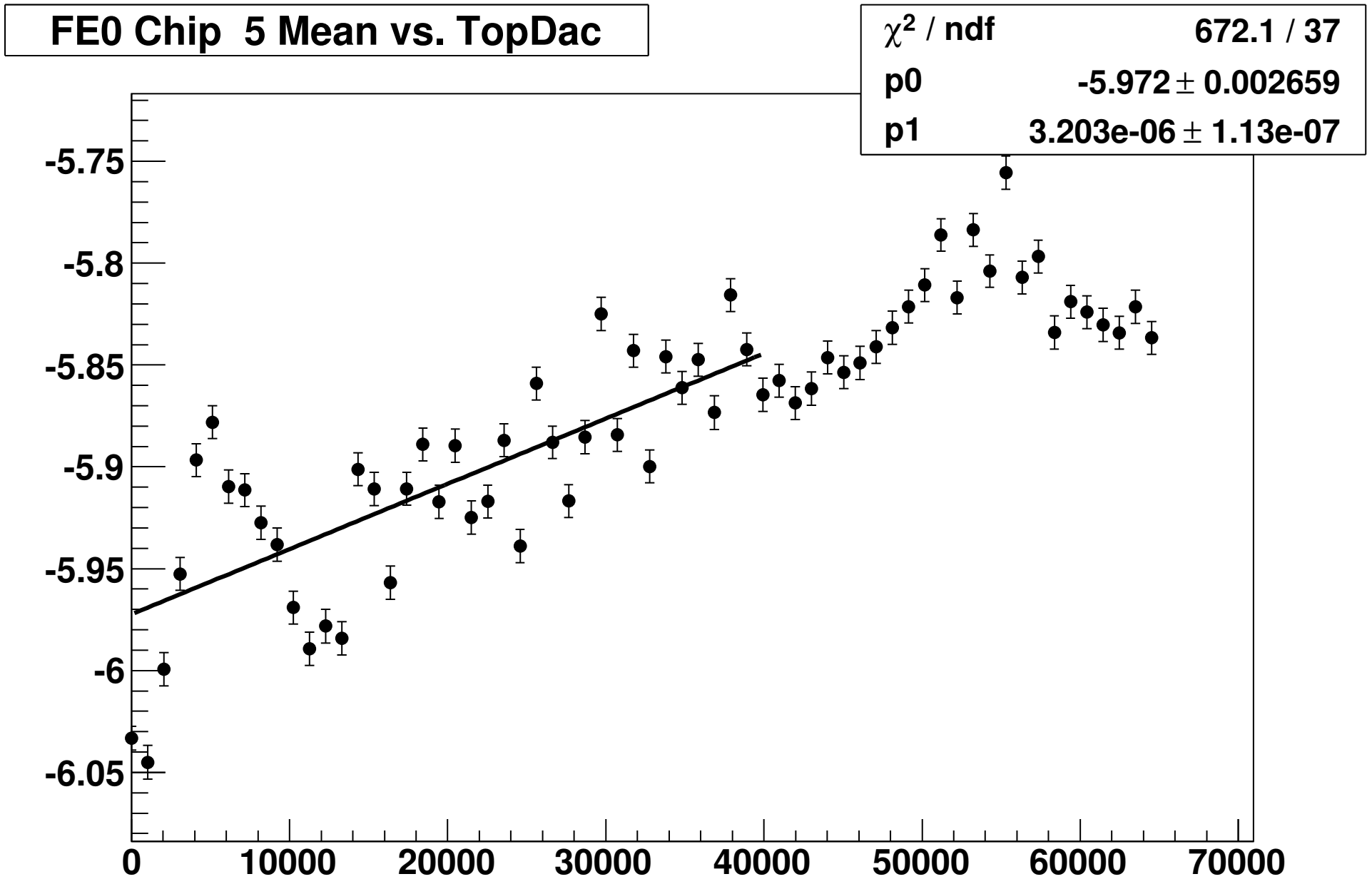

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 2114 / 37
p0 1.612 ± 0.004048
p1 9.235e-05 ± 2.288e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

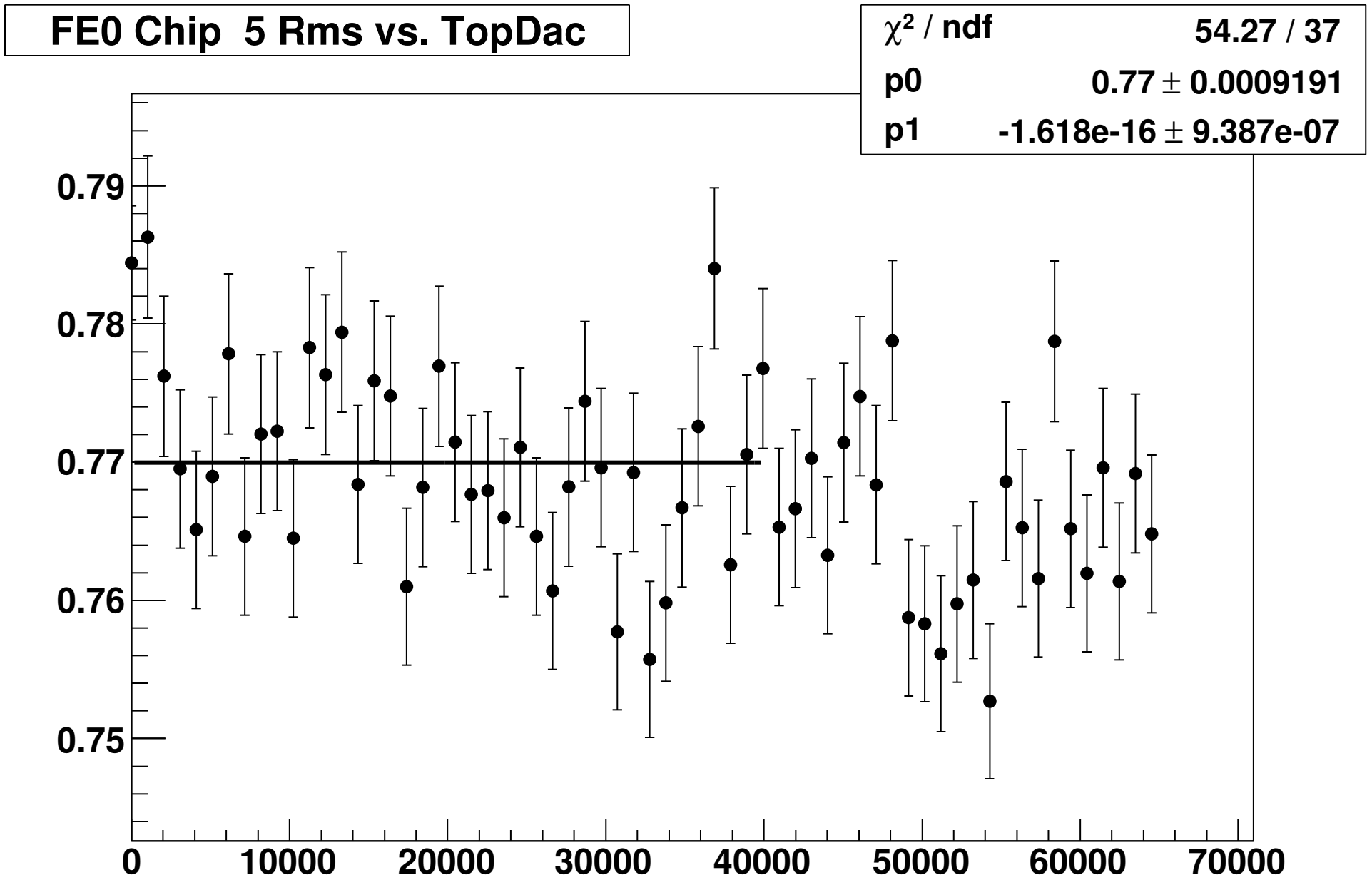

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 1121 / 37
p0 -5.653 ± 0.002713
p1 1.7e-05 ± 1.182e-07
-4.8
-5
-5.2
-5.4
-5.6
-5.8
0
10000
20000
30000
40000
50000
60000
70000

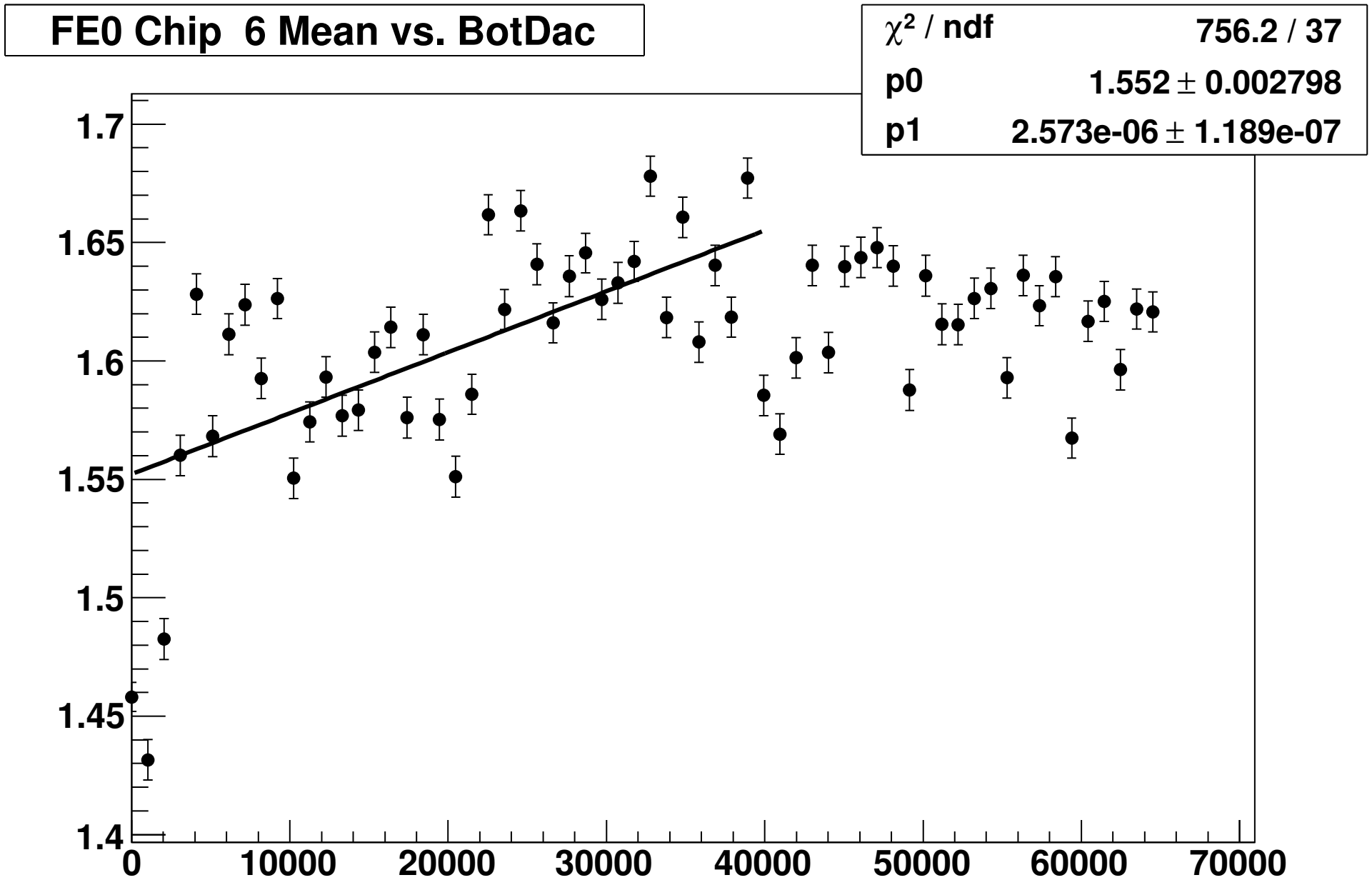

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 88.55 / 37
p0 0.7827 ± 0.001449
p1 8.525e-06 ± 1.933e-07
0.88
0.86
0.84
0.82
0.8
0.78
0.76
0
10000
20000
30000
40000
50000
60000
70000

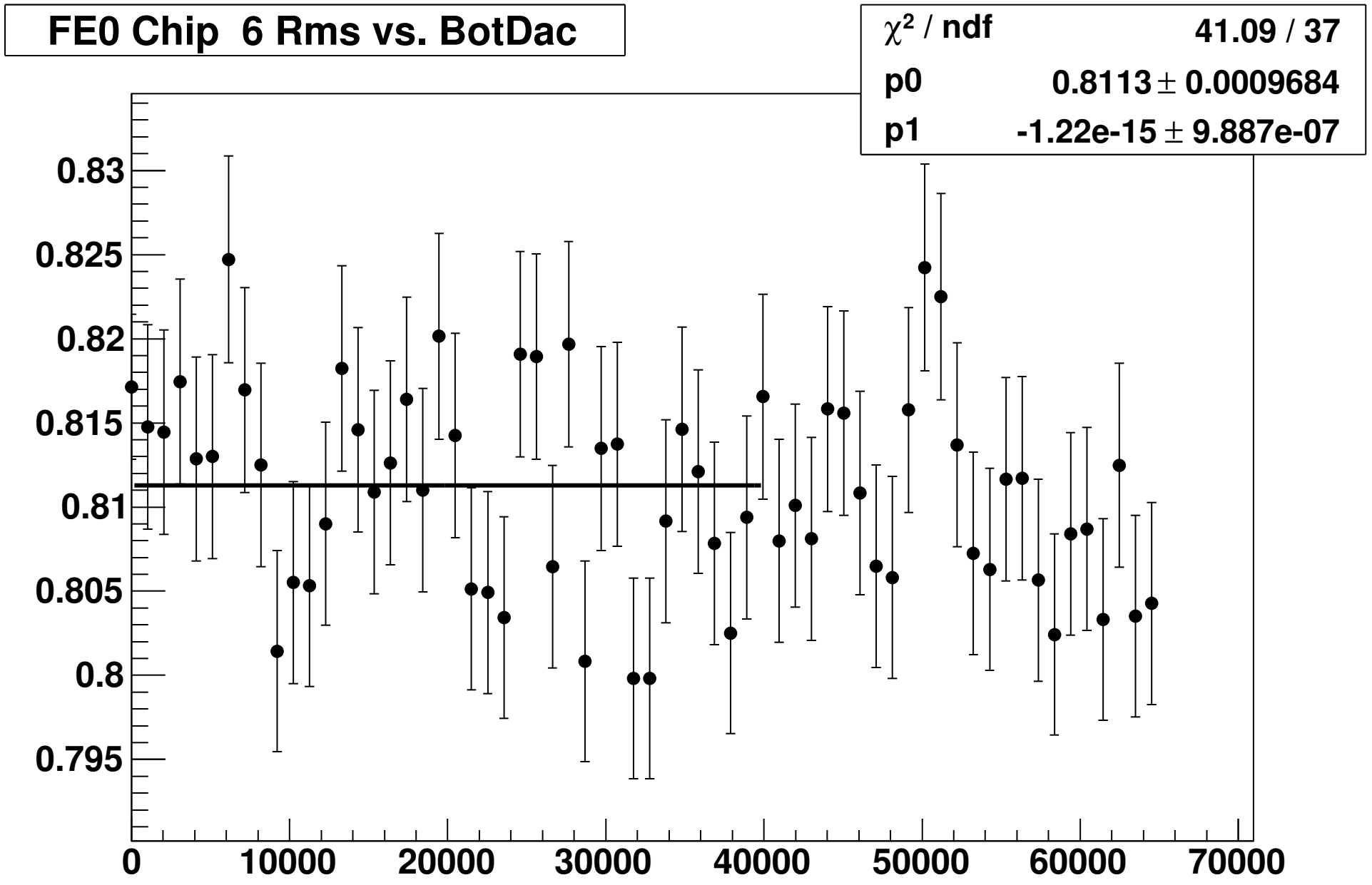

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.552e+07 / 37
p0 -584.8 ± 0.006506
p1 0.8095 ± 3.726e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

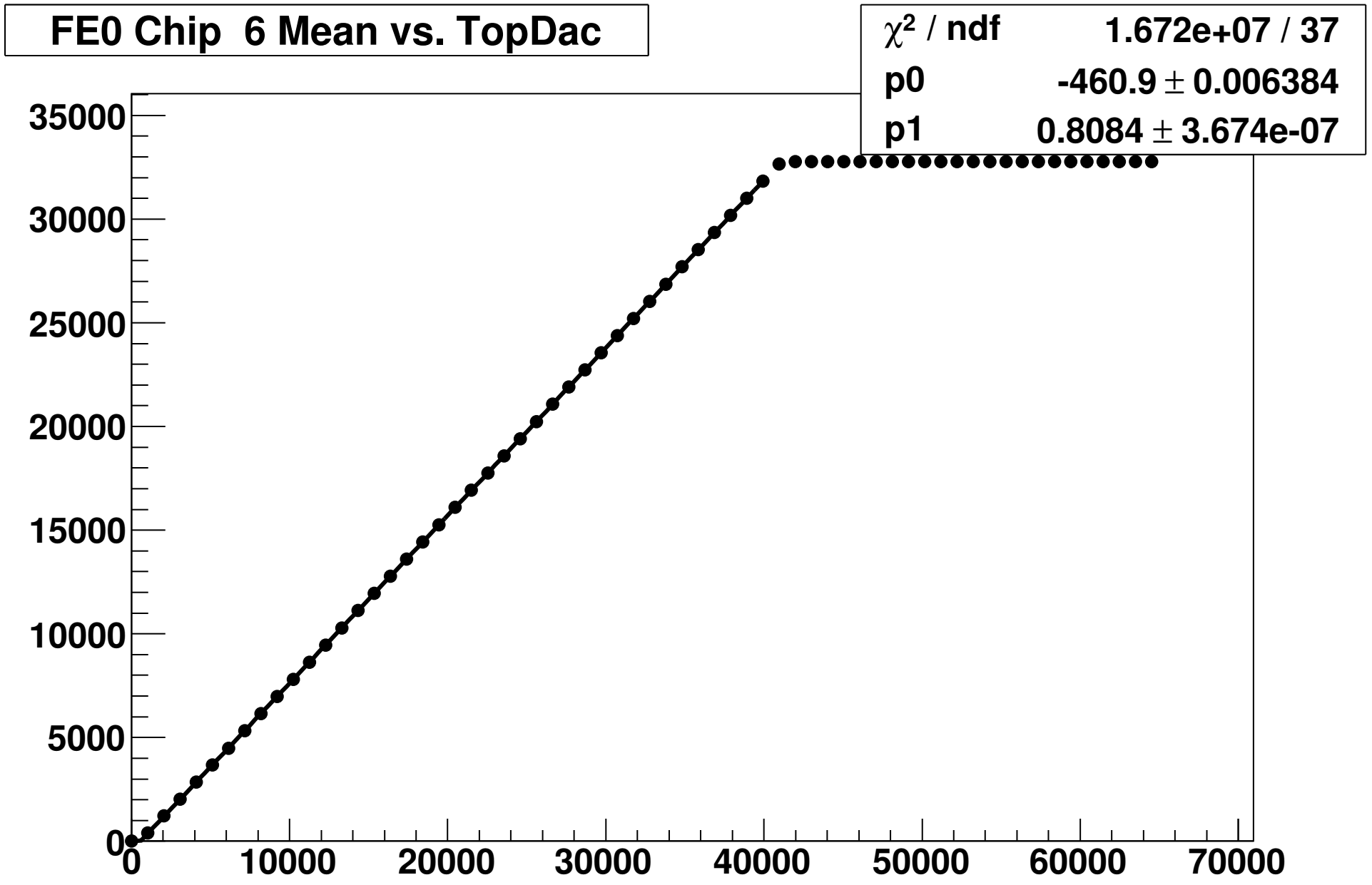

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 676.8 / 37
p0 1.583 ± 0.003998
p1 9.32e-05 ± 2.255e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

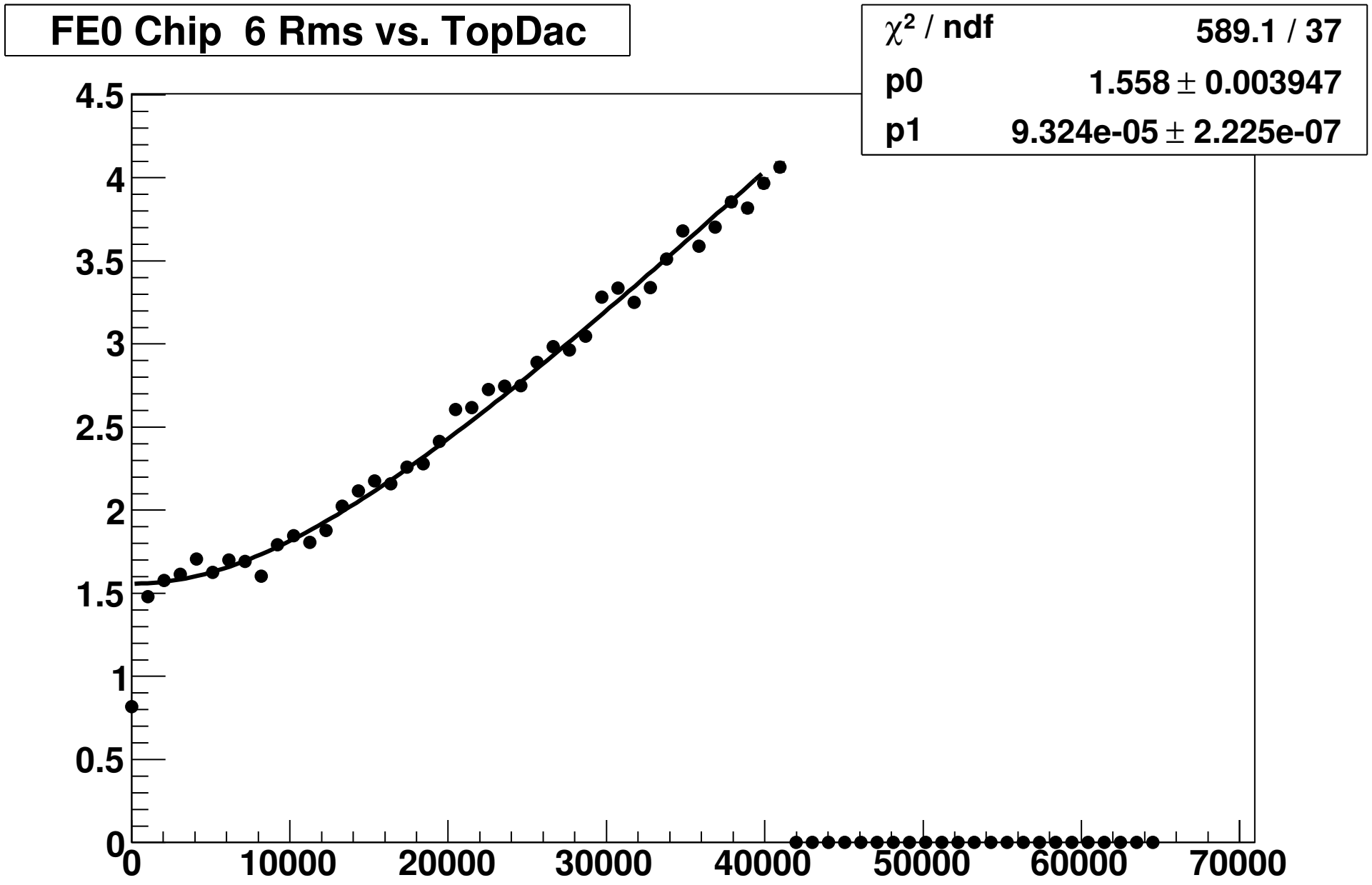

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 672.1 / 37
p0 -5.972 ± 0.002659
p1 3.203e-06 ± 1.13e-07
-5.75
-5.8
-5.85
-5.9
-5.95
-6
-6.05
0
10000
20000
30000
40000
50000
60000
70000

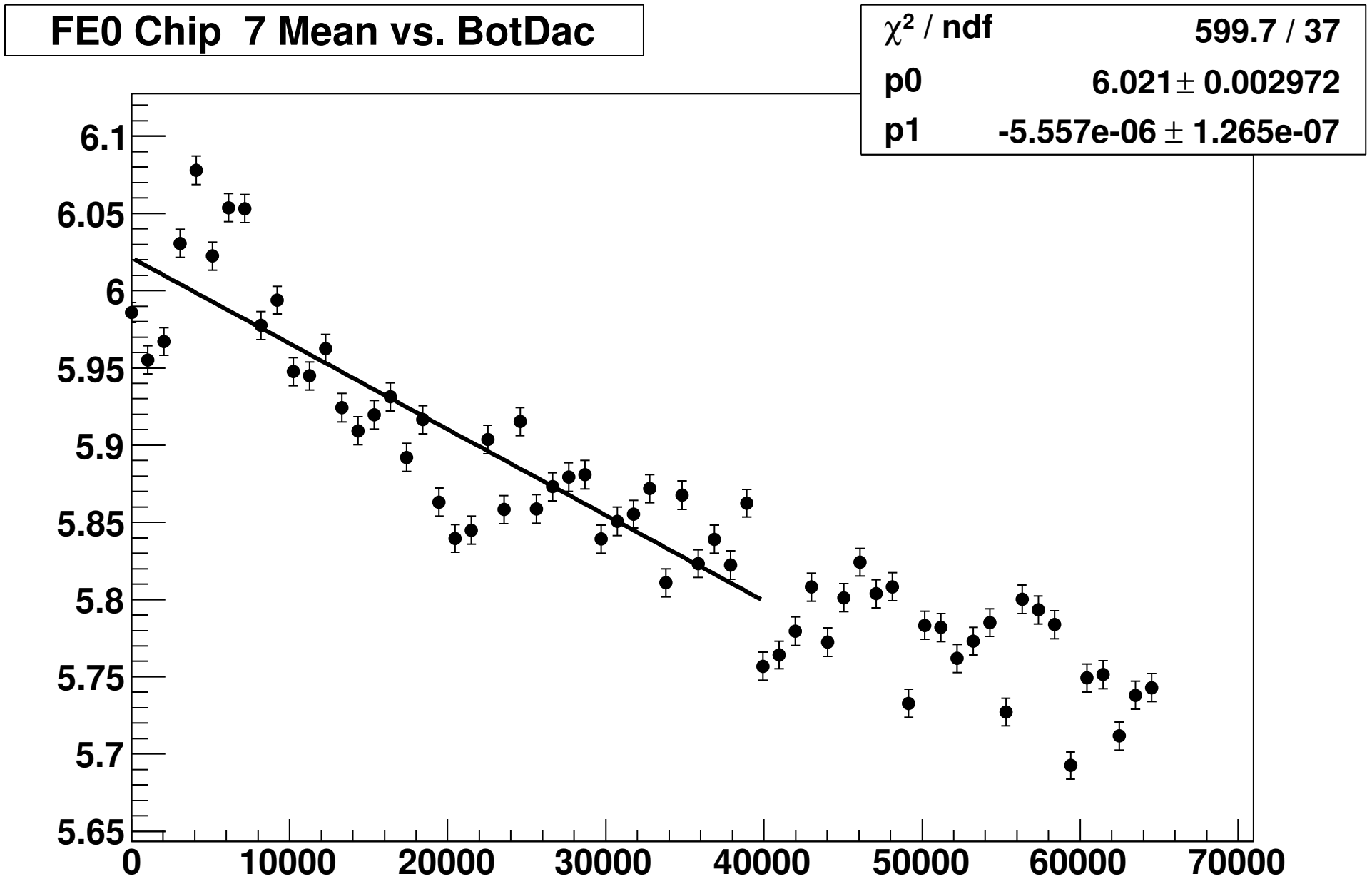

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 54.27 / 37
p0 0.77 ± 0.0009191
p1 -1.618e-16 ± 9.387e-07
0.79
0.78
0.77
0.76
0.75
0
10000
20000
30000
40000
50000
60000
70000

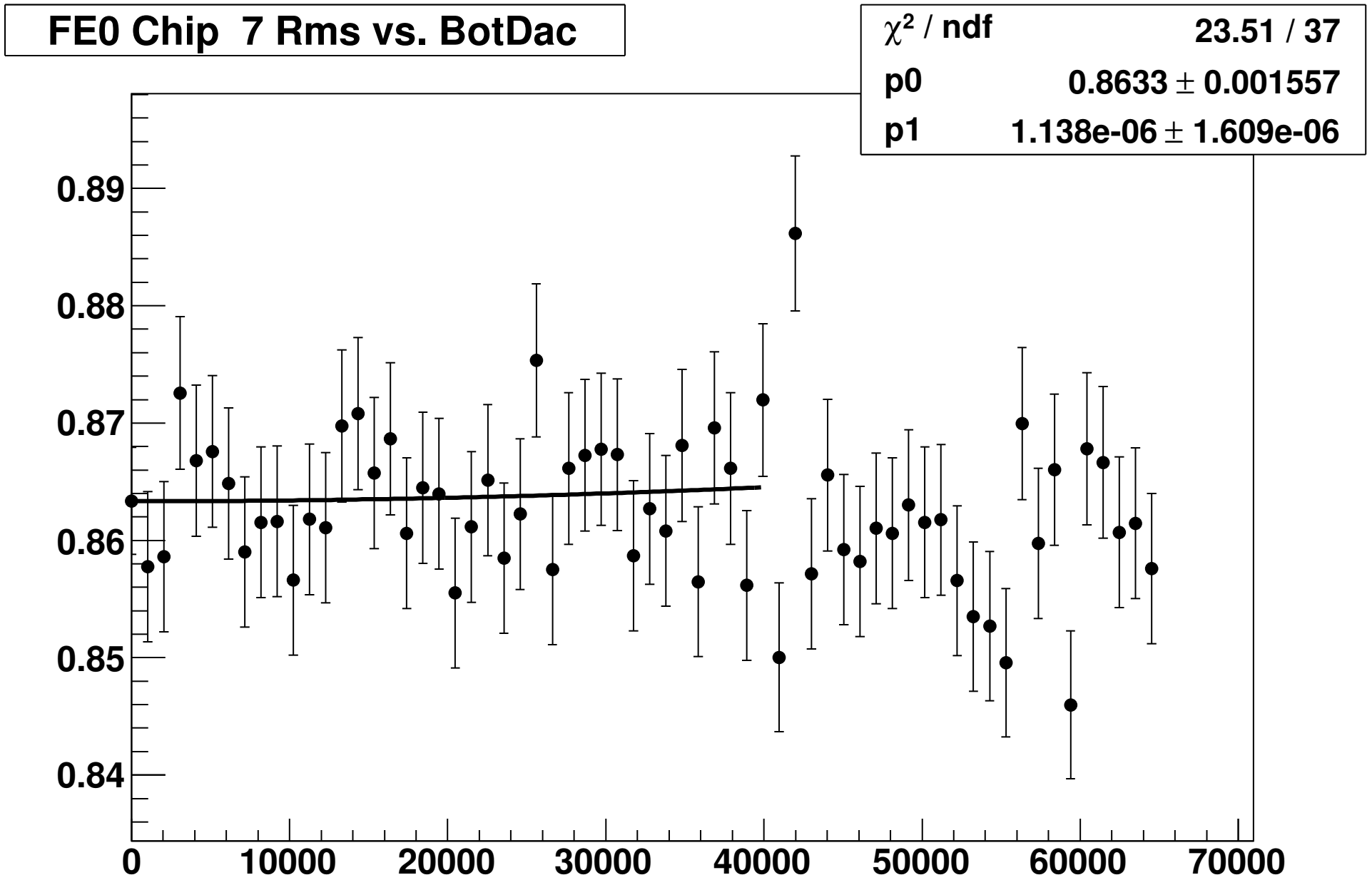

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 756.2 / 37
p0 1.552 ± 0.002798
p1 2.573e-06 ± 1.189e-07
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

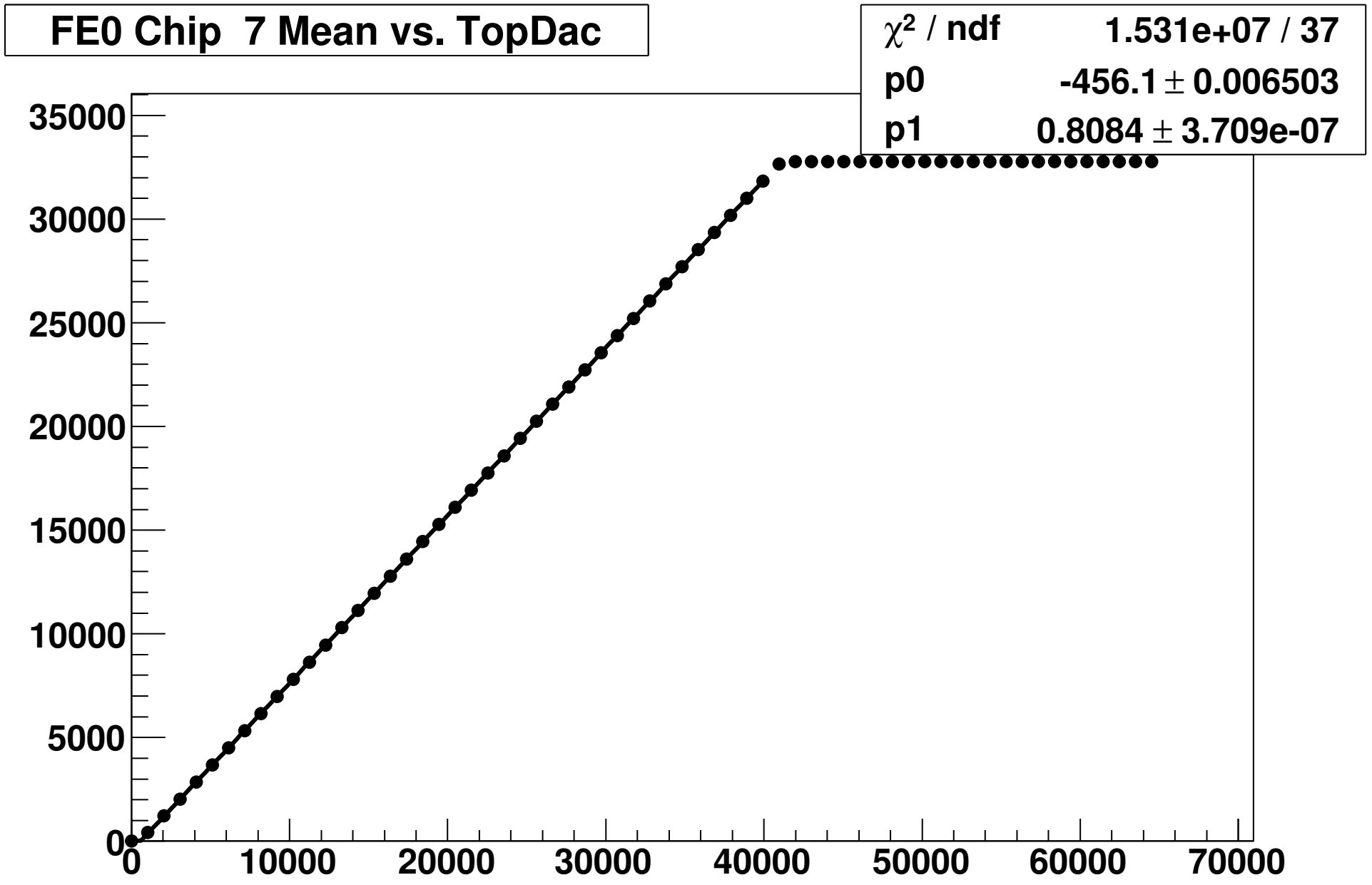

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 41.09 / 37
p0 0.8113 ± 0.0009684
p1 -1.22e-15 ± 9.887e-07
0.83
0.825
0.82
0.815
0.81
0.805
0.8
0.795
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.672e+07 / 37
p0 -460.9 ± 0.006384
p1 0.8084 ± 3.674e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 589.1 / 37
p0 1.558 ± 0.003947
p1 9.324e-05 ± 2.225e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 599.7 / 37
p0 6.021 ± 0.002972
p1 -5.557e-06 ± 1.265e-07
6.1
6.05
6
5.95
5.9
5.85
5.8
5.75
5.7
5.65
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 23.51 / 37
p0 0.8633 ± 0.001557
p1 1.138e-06 ± 1.609e-06
0.89
0.88
0.87
0.86
0.85
0.84
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.531e+07 / 37
p0 -456.1 ± 0.006503
p1 0.8084 ± 3.709e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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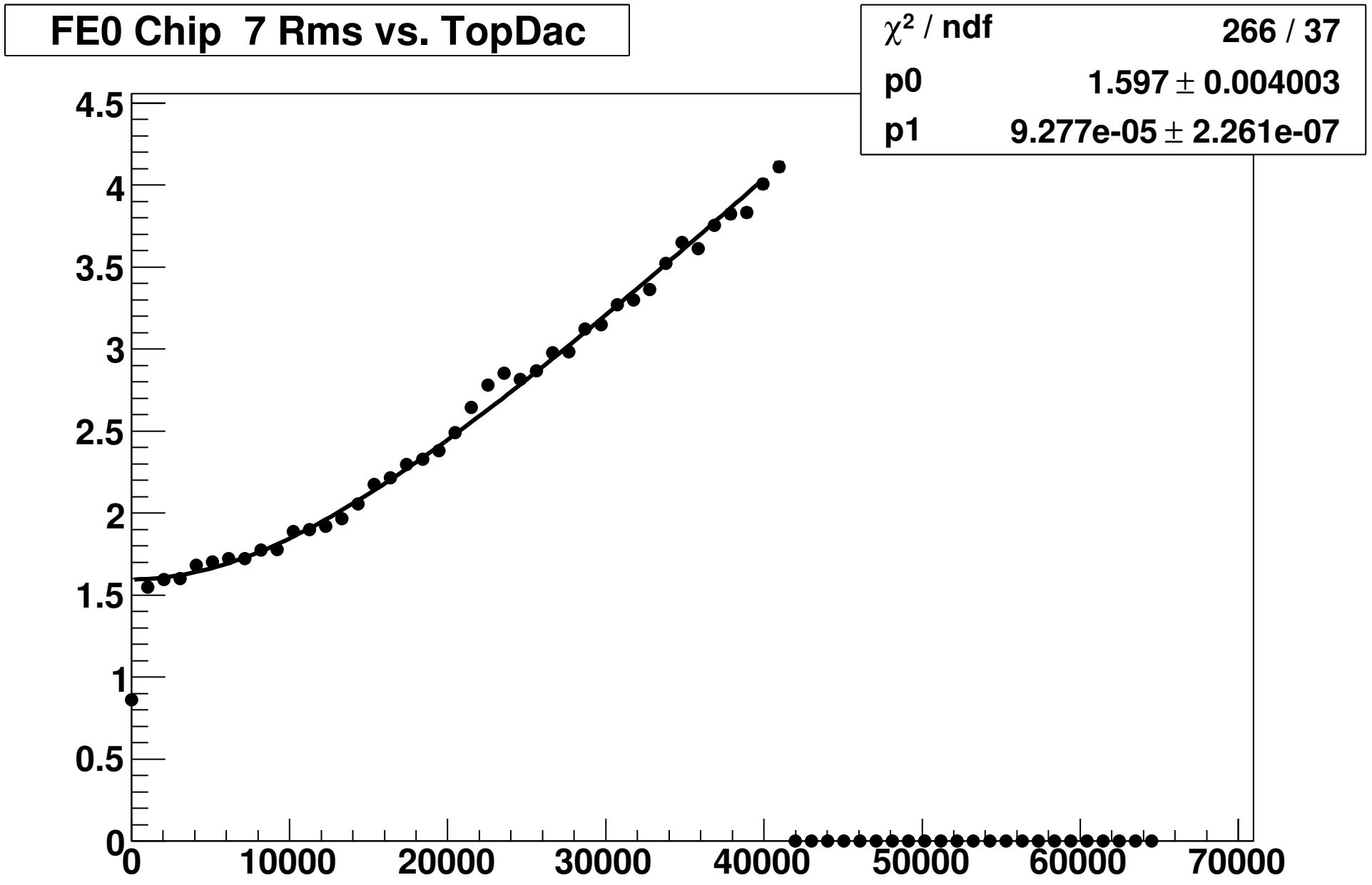
FE0 Chip 7 Rms vs. TopDac
χ² / ndf 266 / 37
p0 1.597 ± 0.004003
p1 9.277e-05 ± 2.261e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
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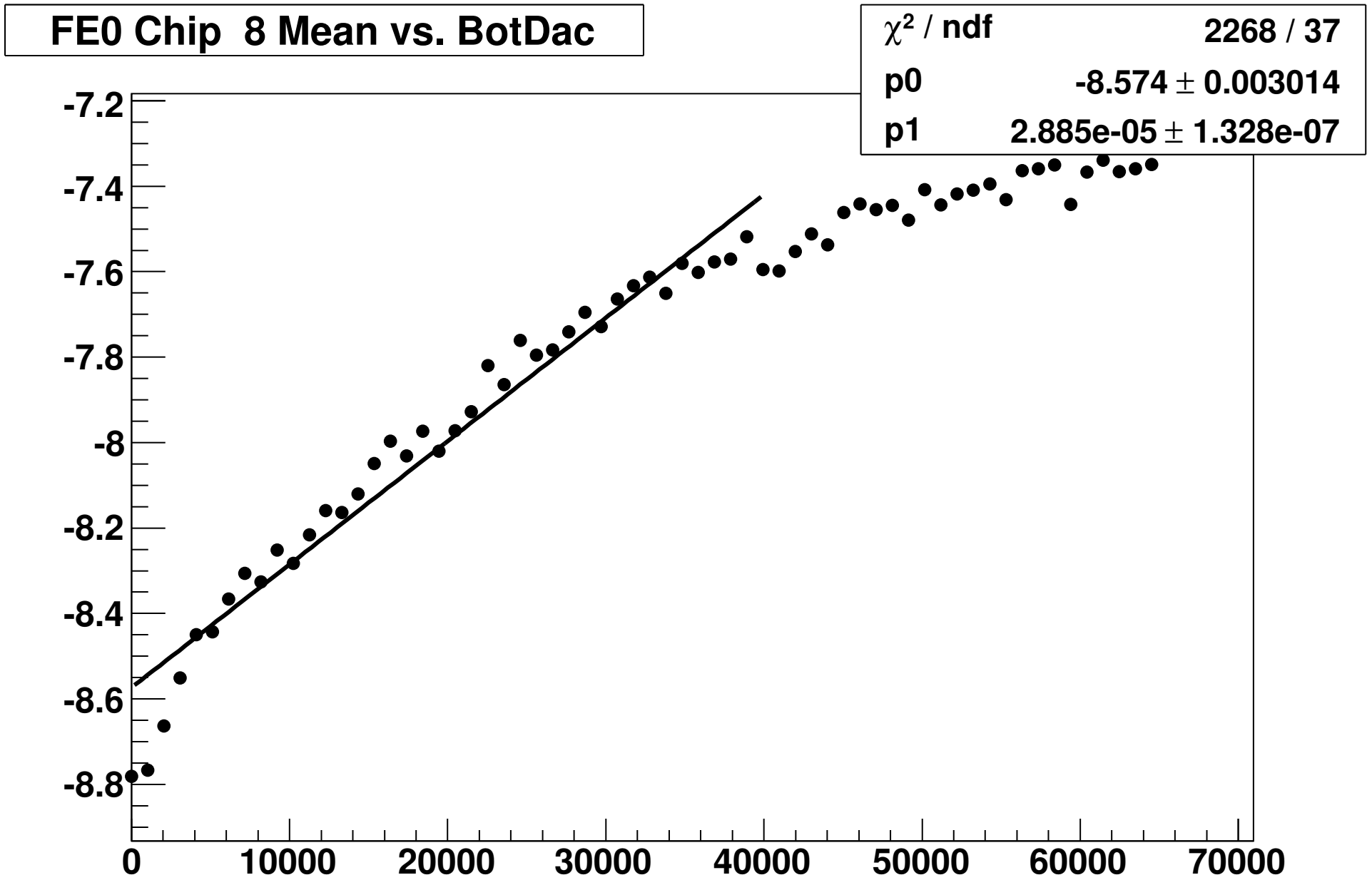
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 2268 / 37
p0 -8.574 ± 0.003014
p1 2.885e-05 ± 1.328e-07
-7.2
-7.4
-7.6
-7.8
-8
-8.2
-8.4
-8.6
-8.8
0
10000
20000
30000
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60000
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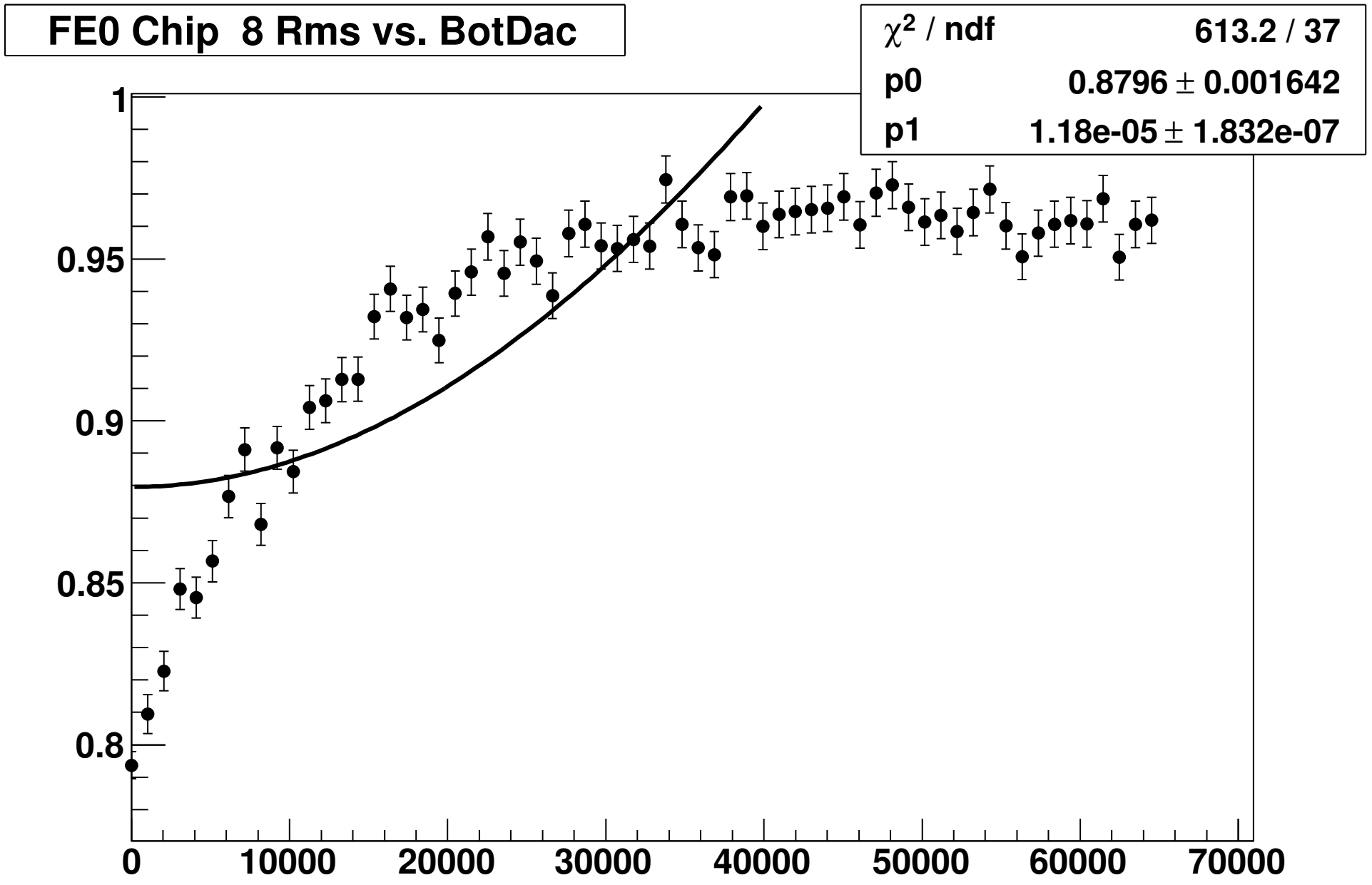
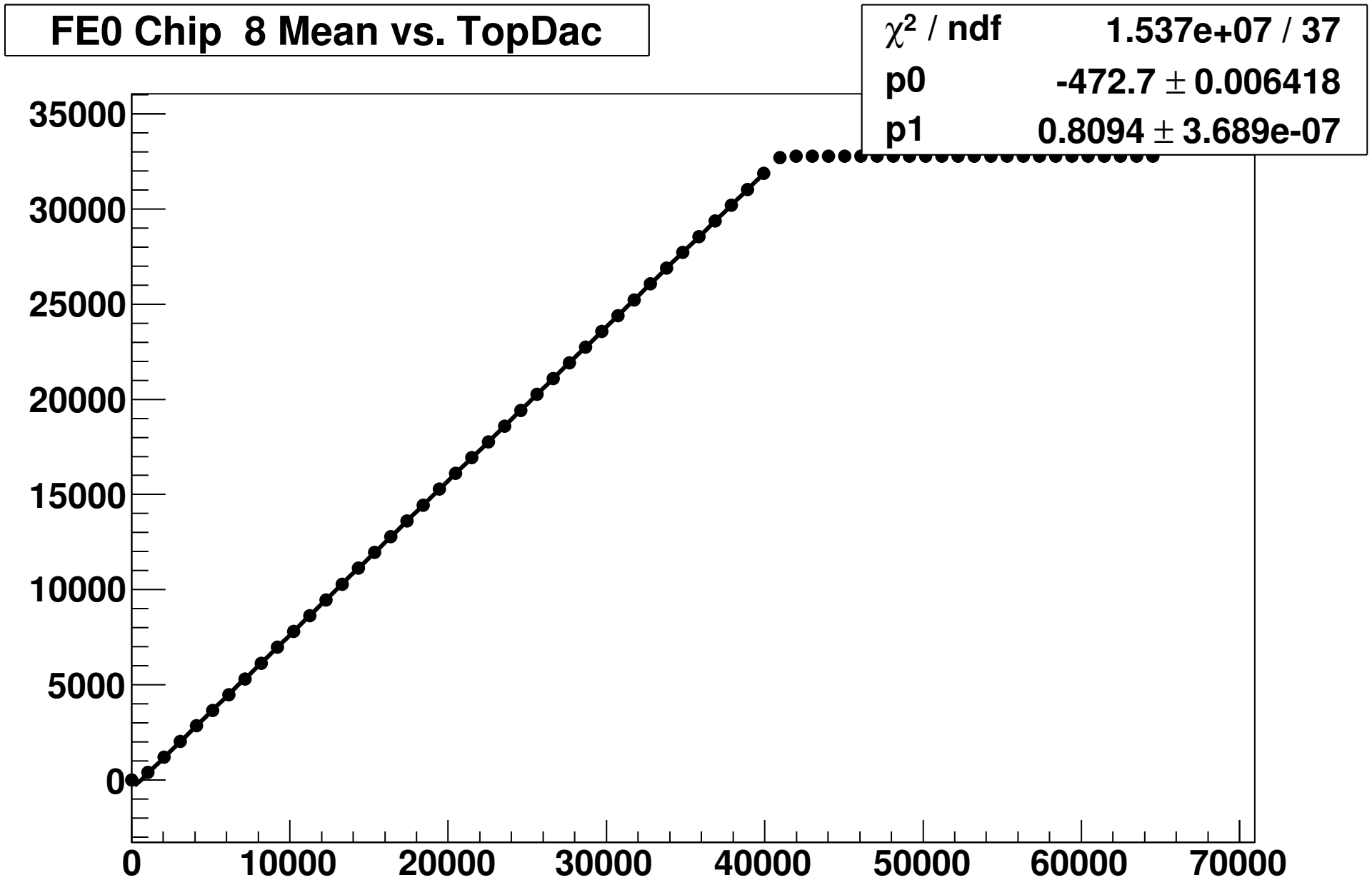
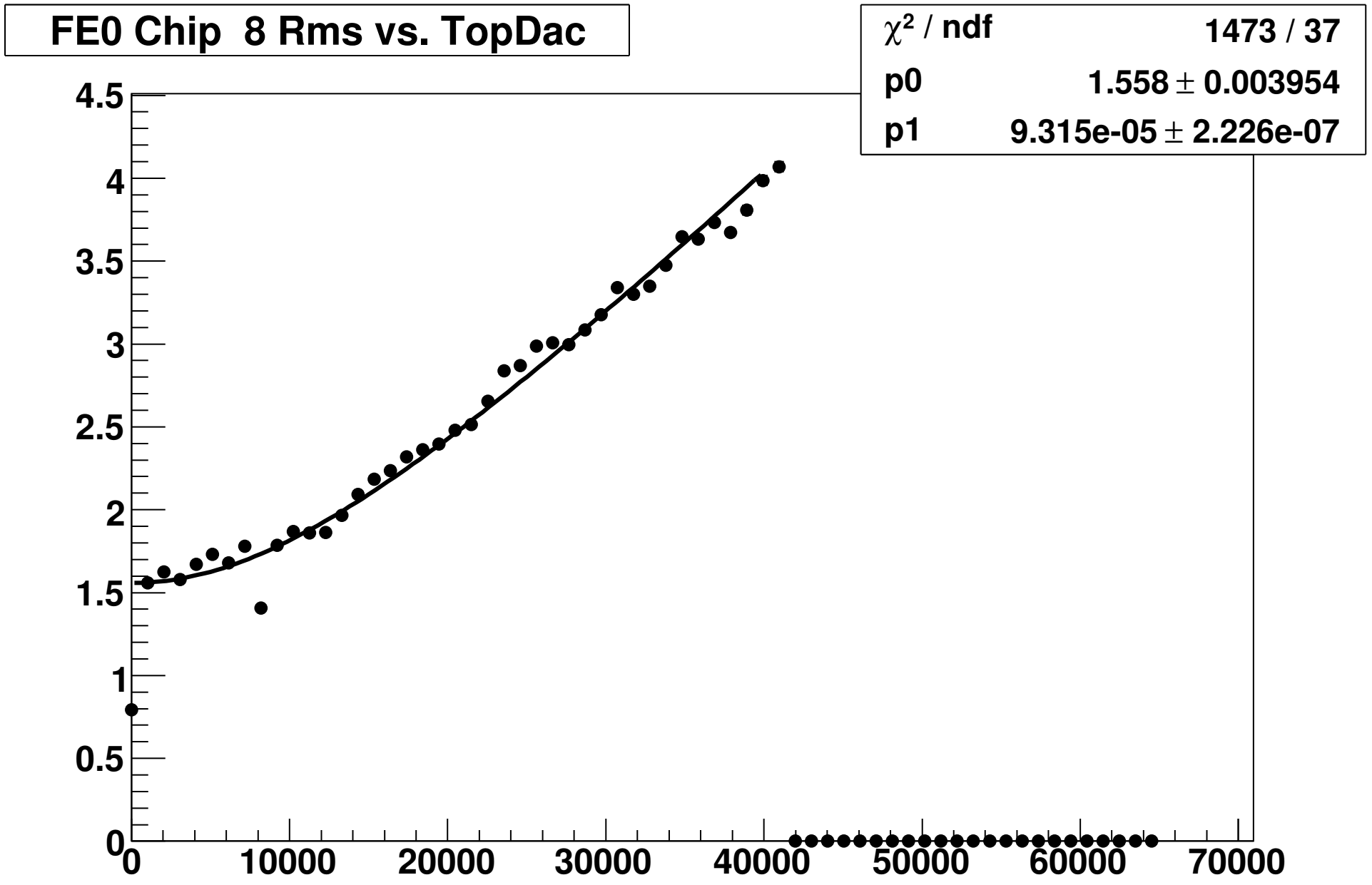
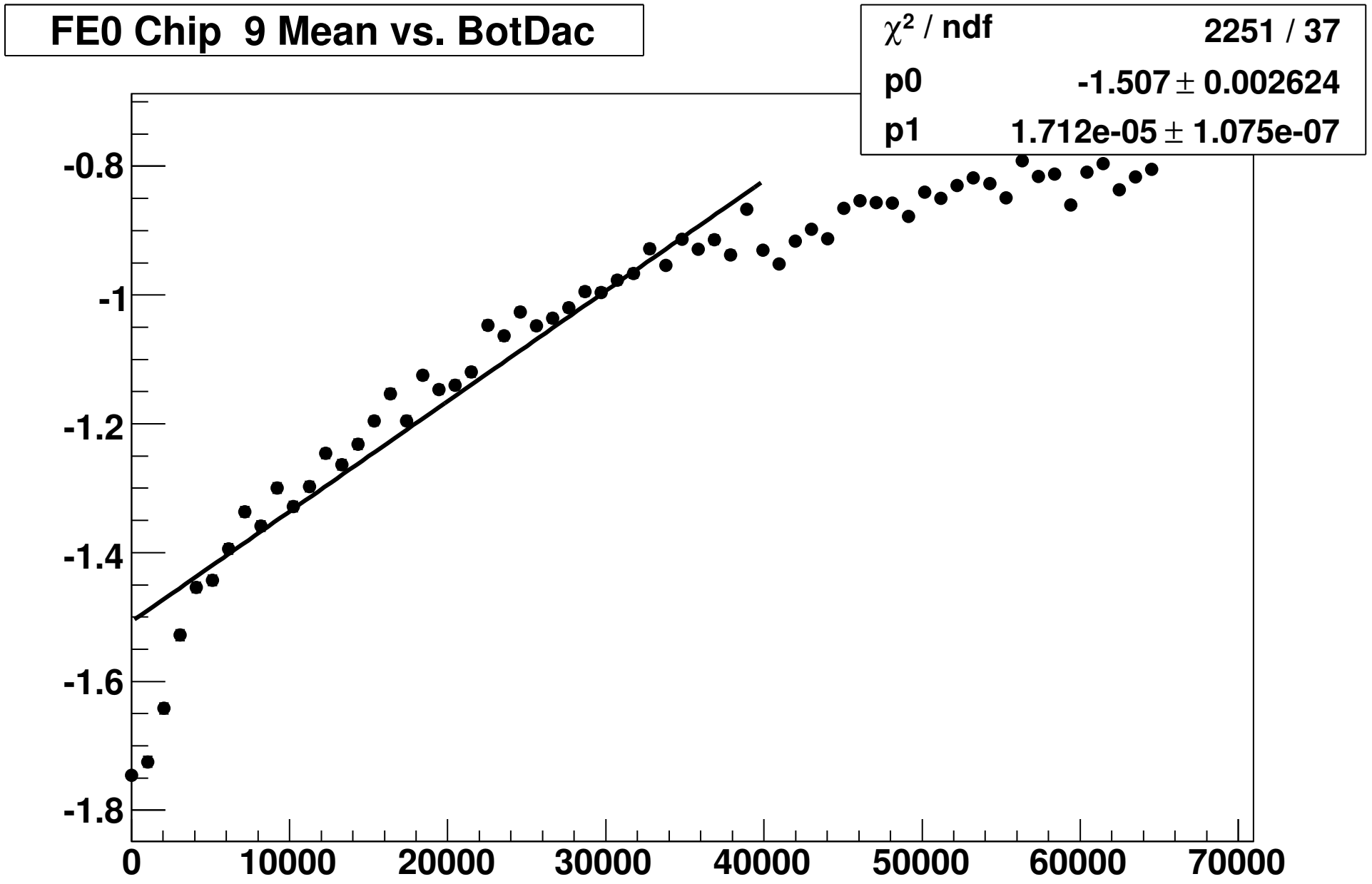
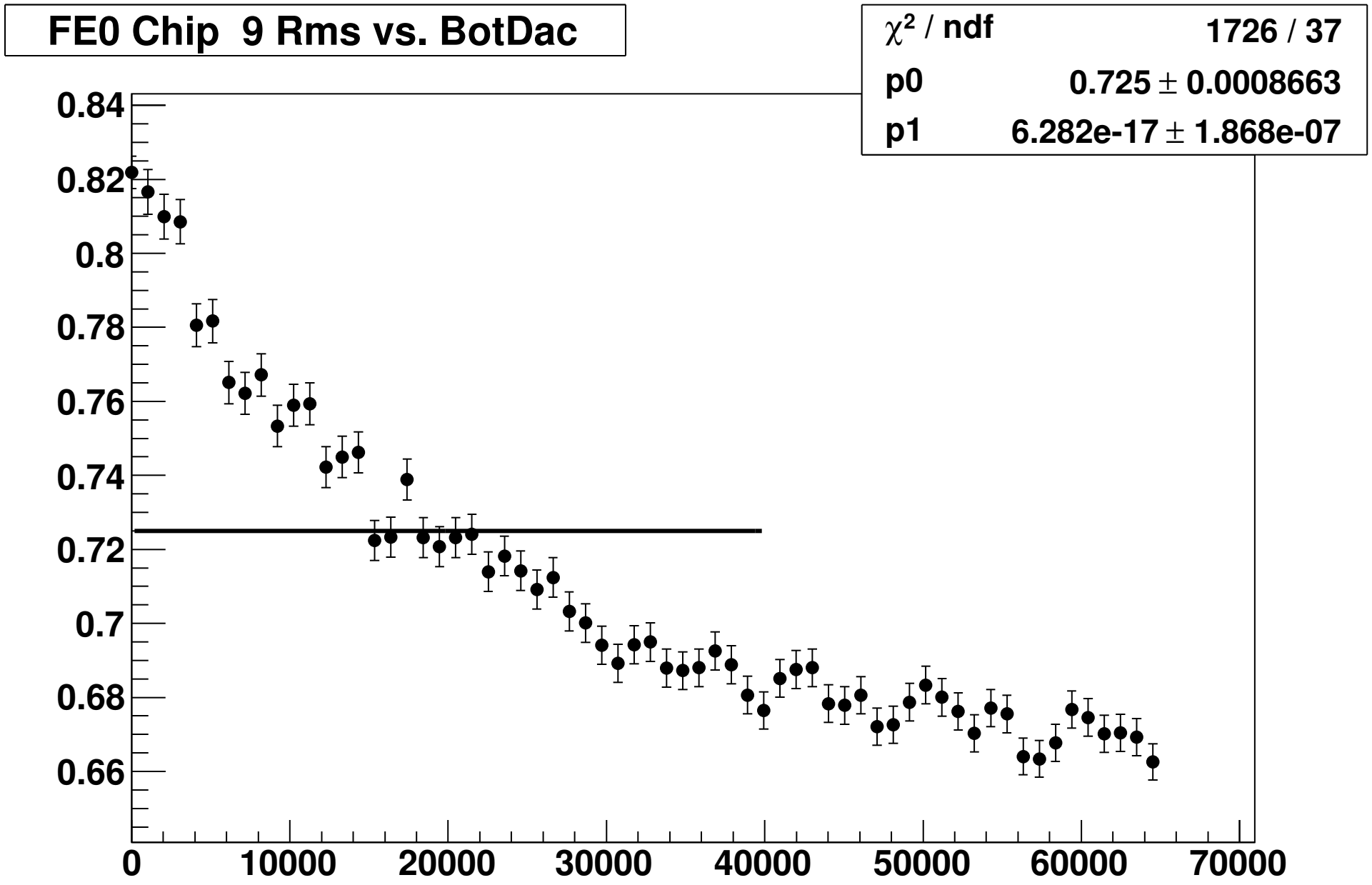
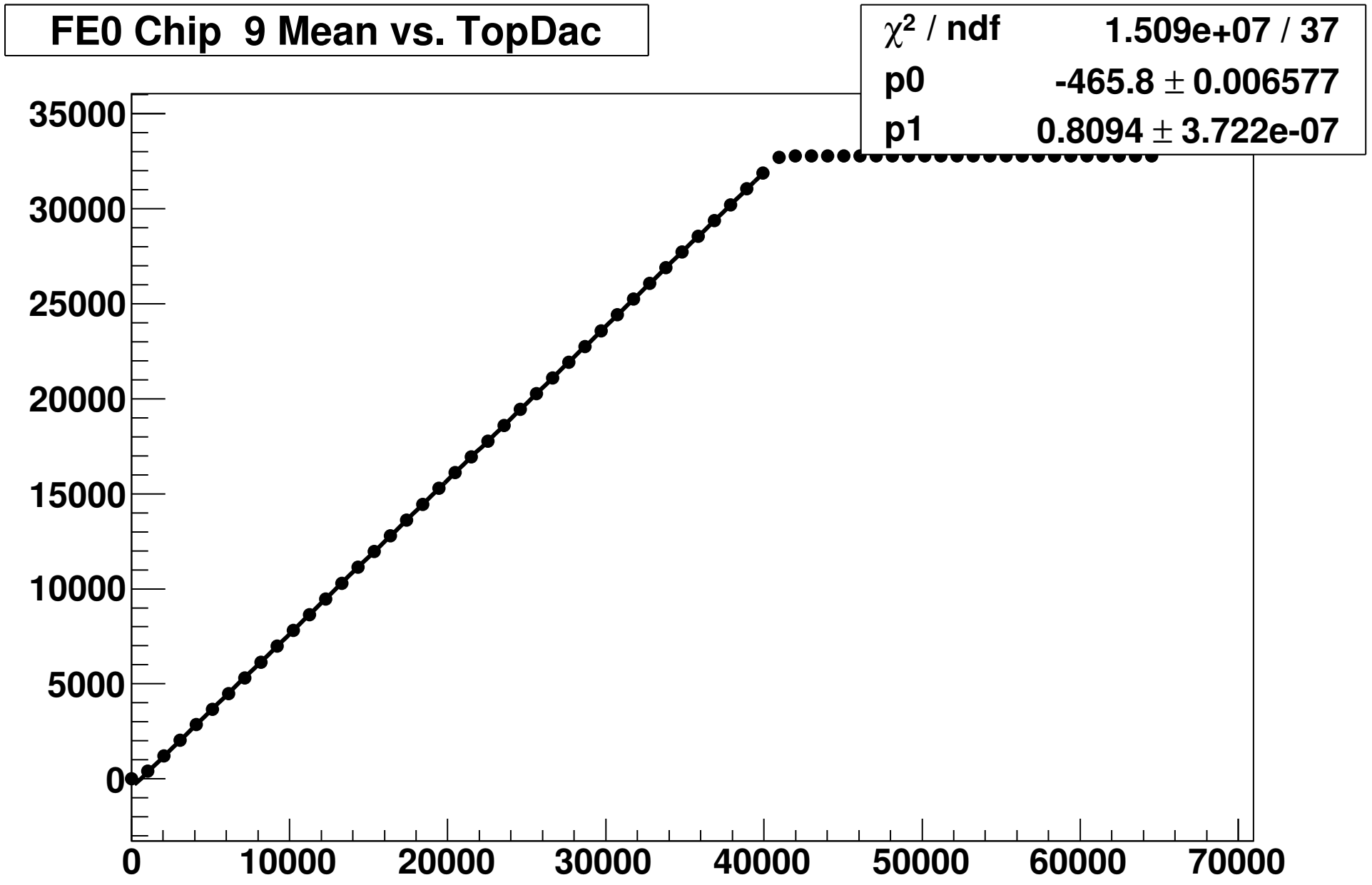

FE0 Chip 8 Rms vs. BotDac
χ² / ndf 613.2 / 37
p0 0.8796 ± 0.001642
p1 1.18e-05 ± 1.832e-07
1
0.95
0.9
0.85
0.8
0
10000
20000
30000
40000
50000
60000
70000

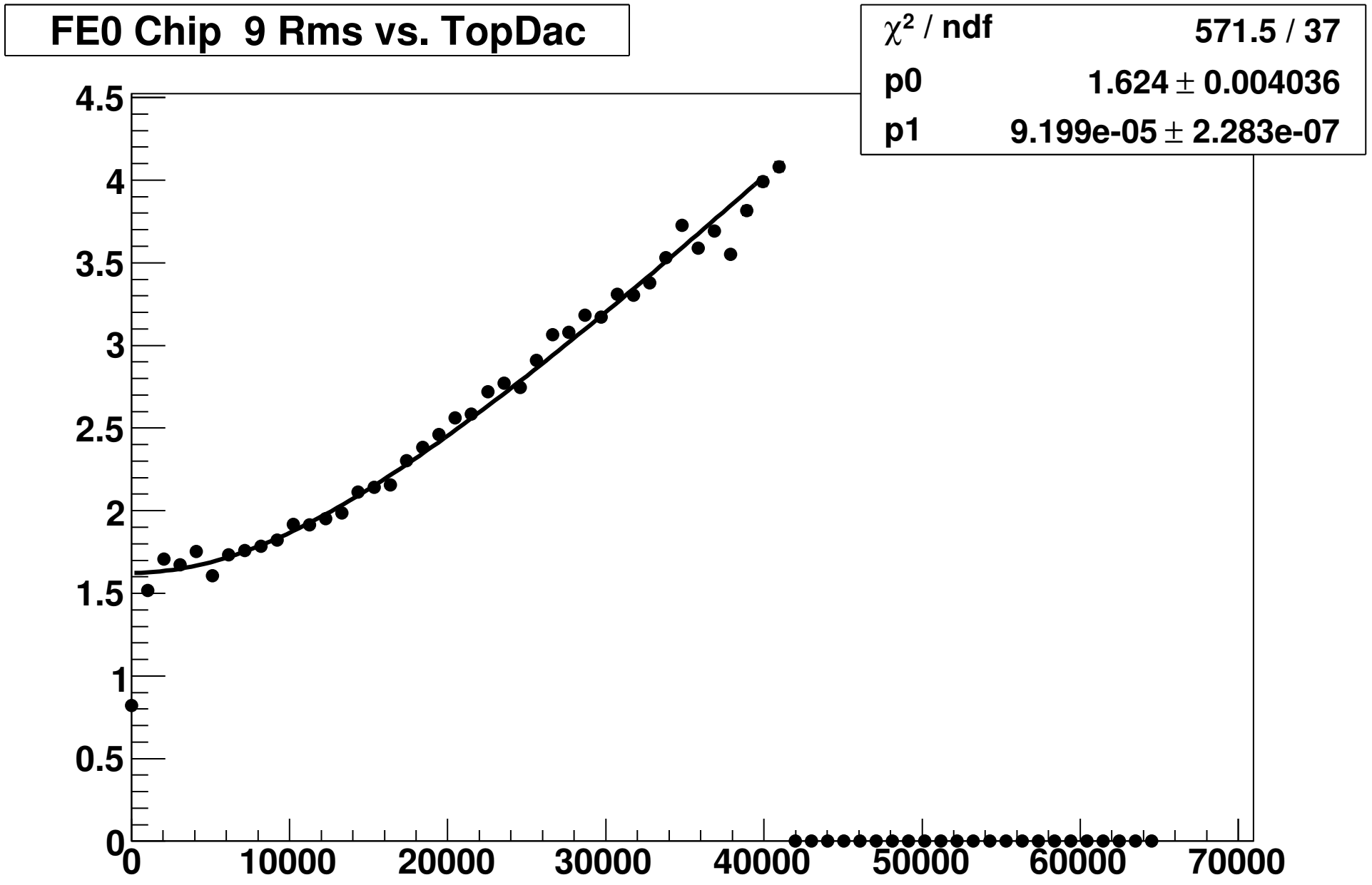

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.537e+07 / 37
p0 -472.7 ± 0.006418
p1 0.8094 ± 3.689e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

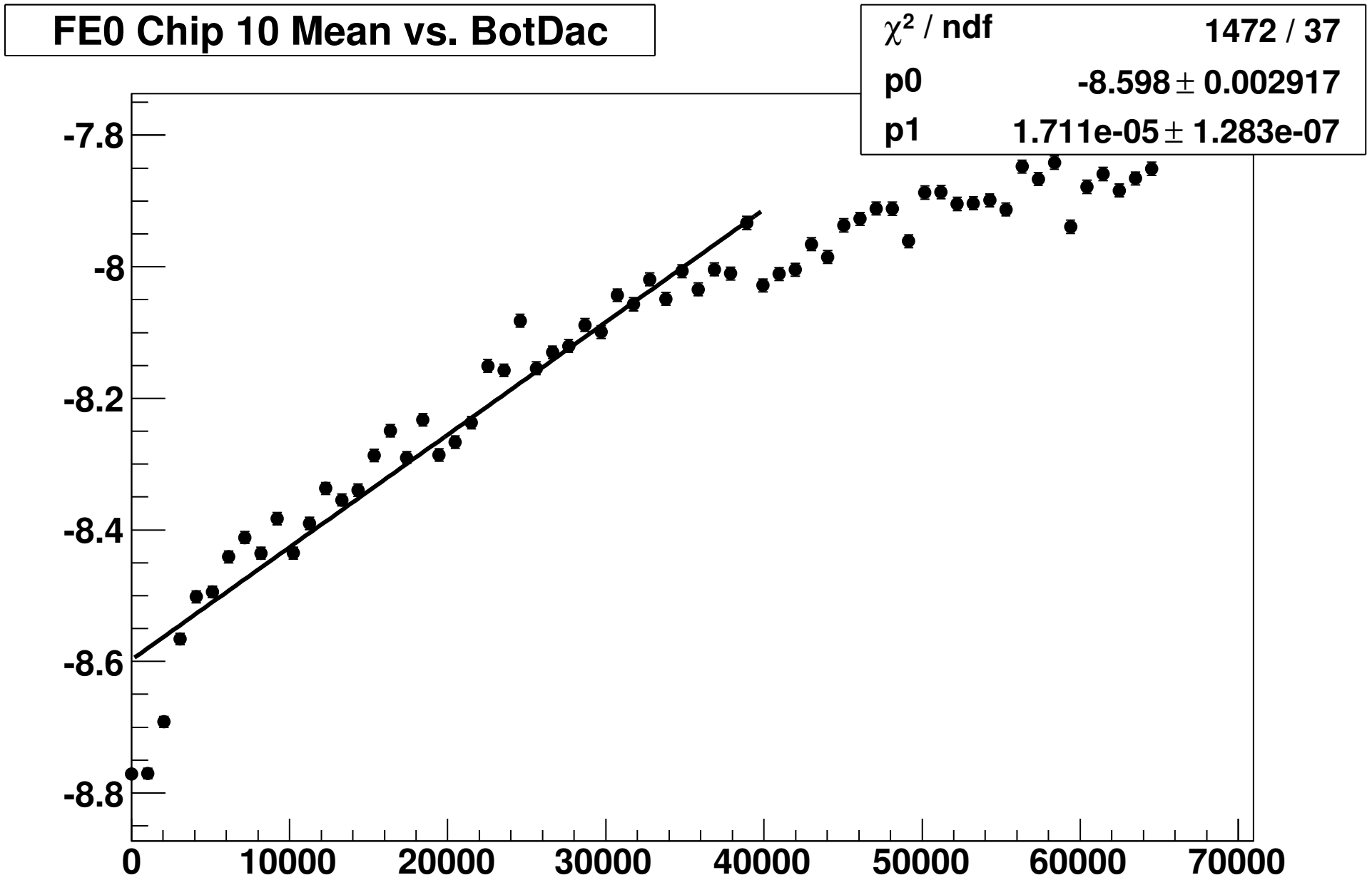

FE0 Chip 8 Rms vs. TopDac
χ² / ndf 1473 / 37
p0 1.558 ± 0.003954
p1 9.315e-05 ± 2.226e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

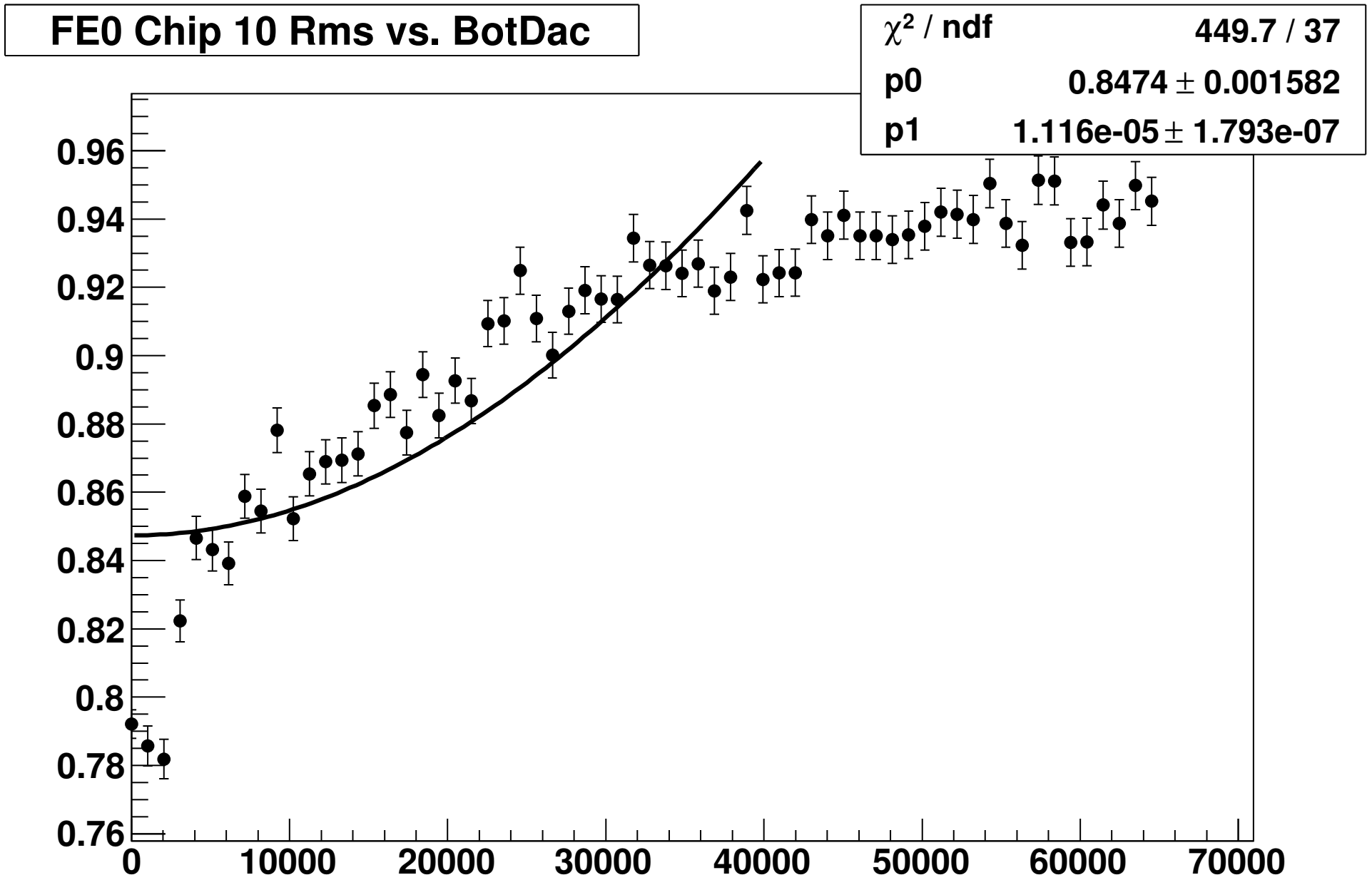

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 2251 / 37
p0 -1.507 ± 0.002624
p1 1.712e-05 ± 1.075e-07
-0.8
-1
-1.2
-1.4
-1.6
-1.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 1726 / 37
p0 0.725 ± 0.0008663
p1 6.282e-17 ± 1.868e-07
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.509e+07 / 37
p0 -465.8 ± 0.006577
p1 0.8094 ± 3.722e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 571.5 / 37
p0 1.624 ± 0.004036
p1 9.199e-05 ± 2.283e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 1472 / 37
p0 -8.598 ± 0.002917
p1 1.711e-05 ± 1.283e-07
-7.8
-8
-8.2
-8.4
-8.6
-8.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 449.7 / 37
p0 0.8474 ± 0.001582
p1 1.116e-05 ± 1.793e-07
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78
0.76
0
10000
20000
30000
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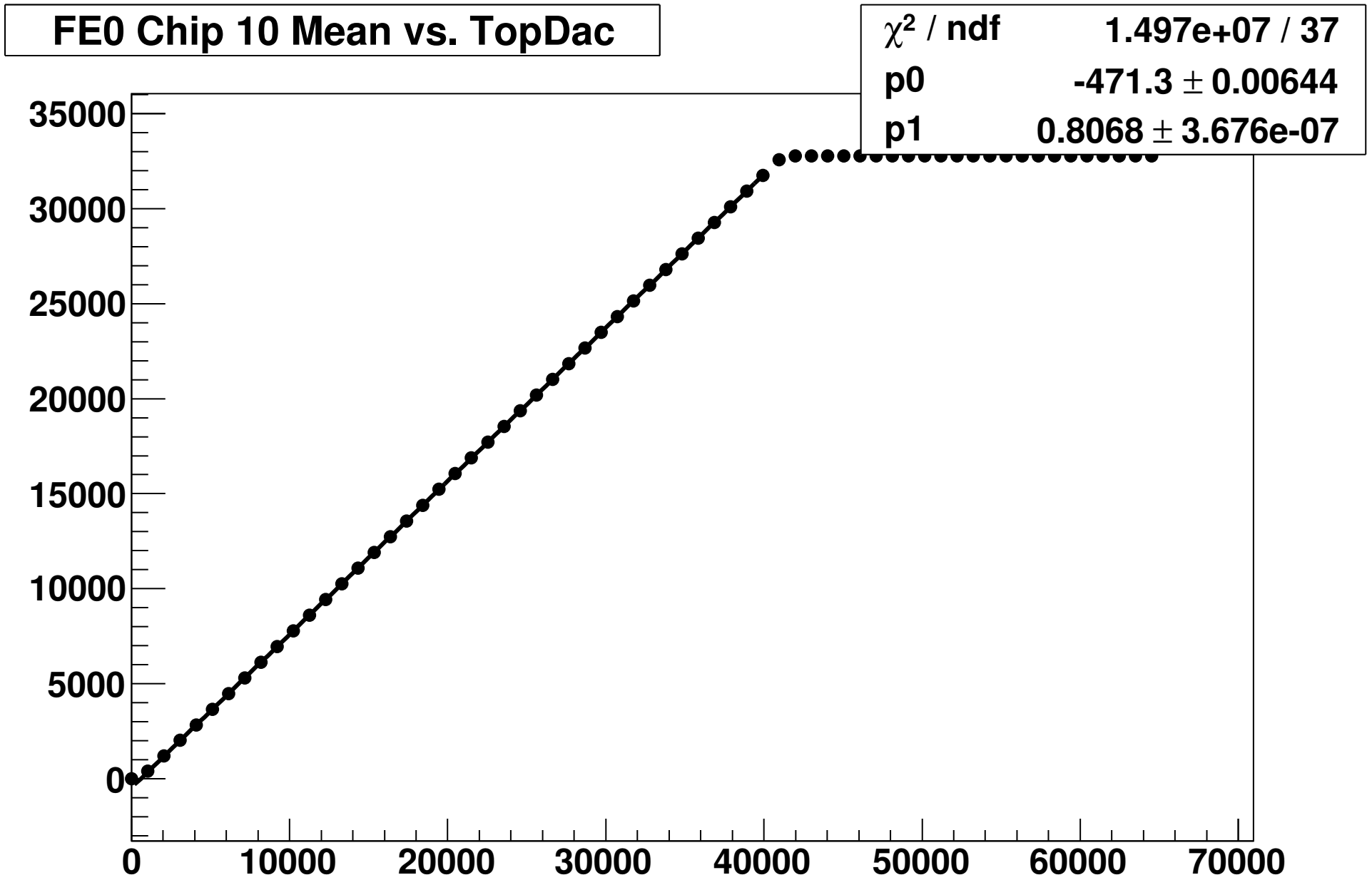
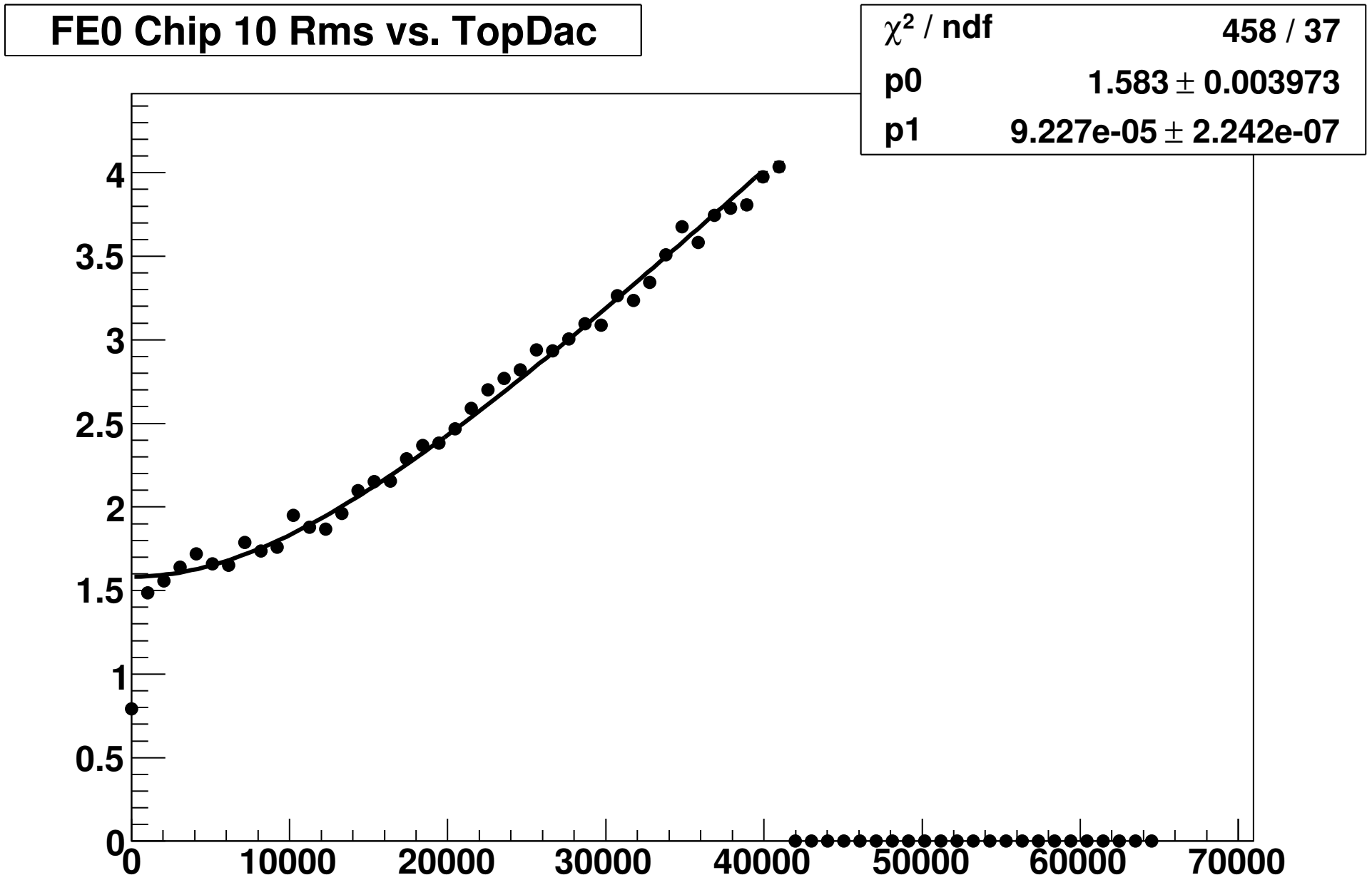
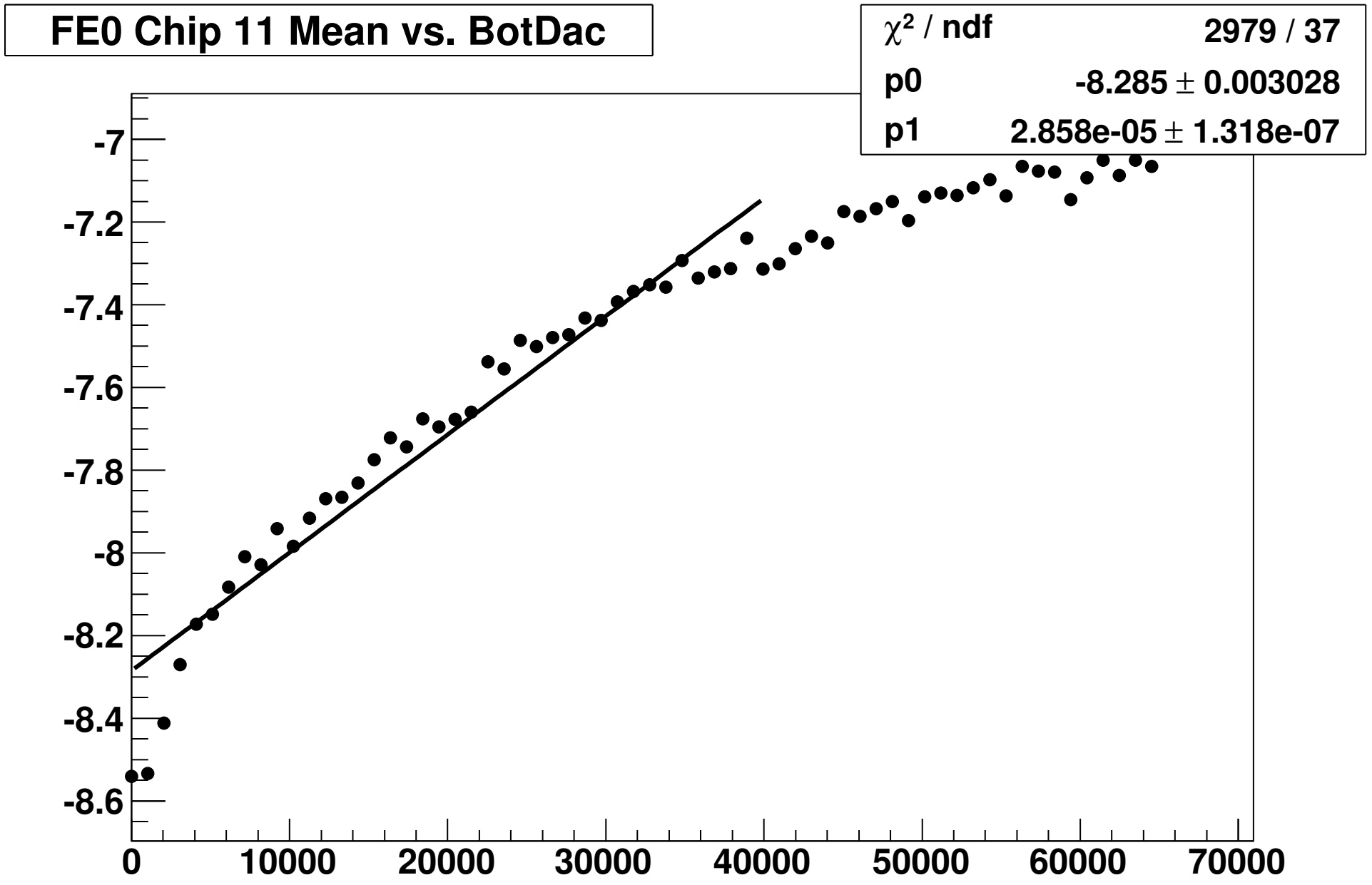
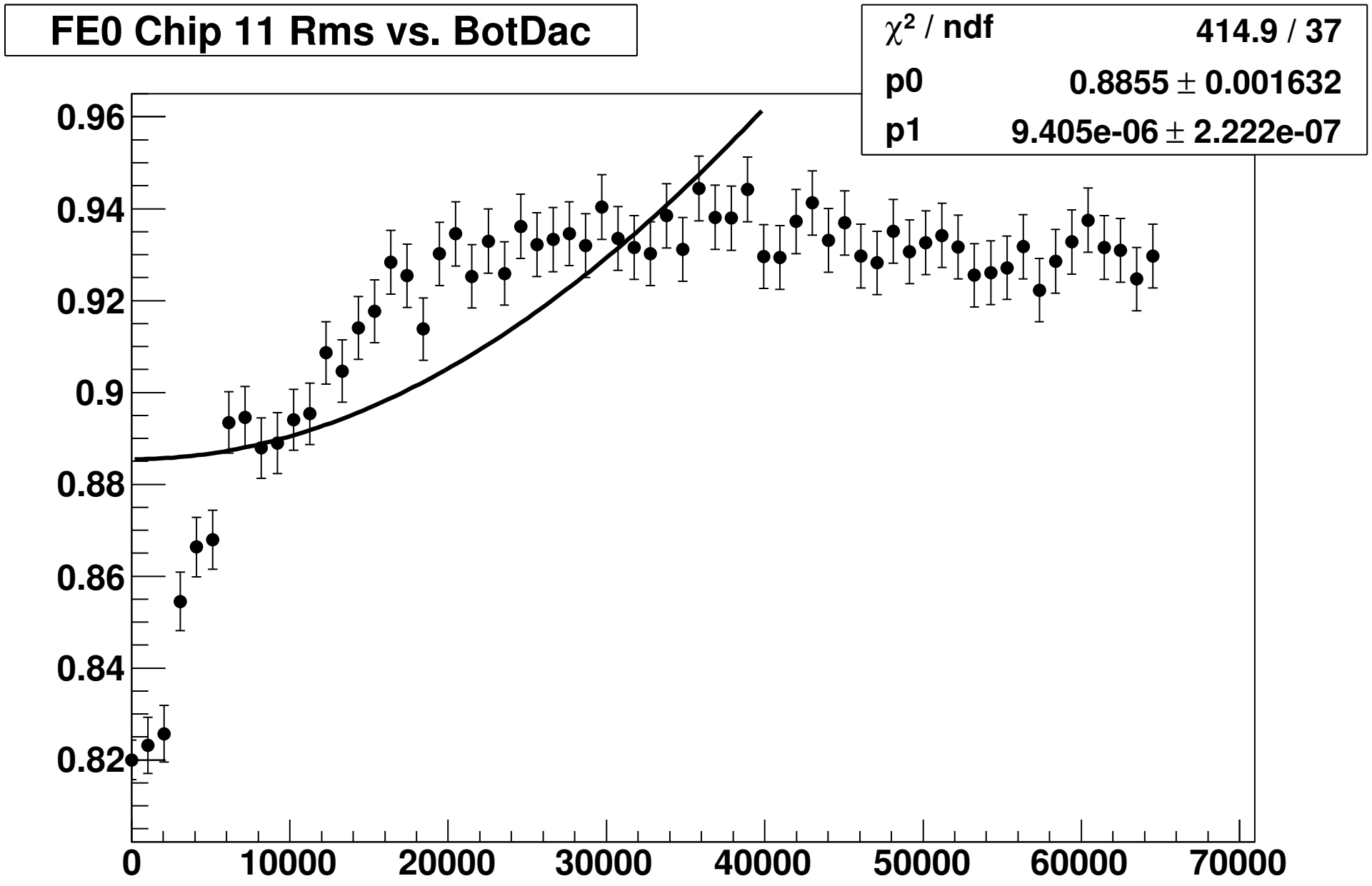
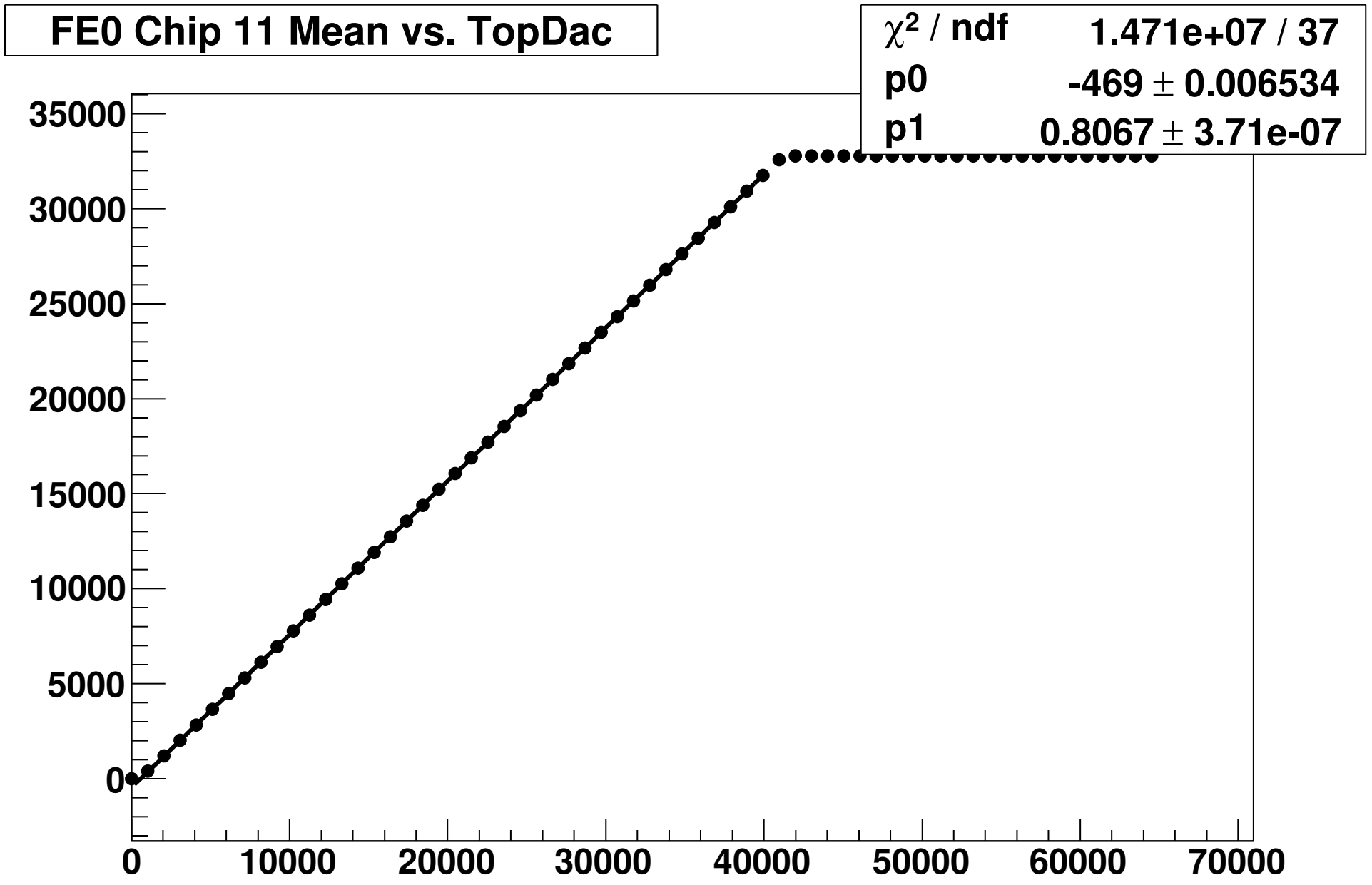
50000
60000
70000

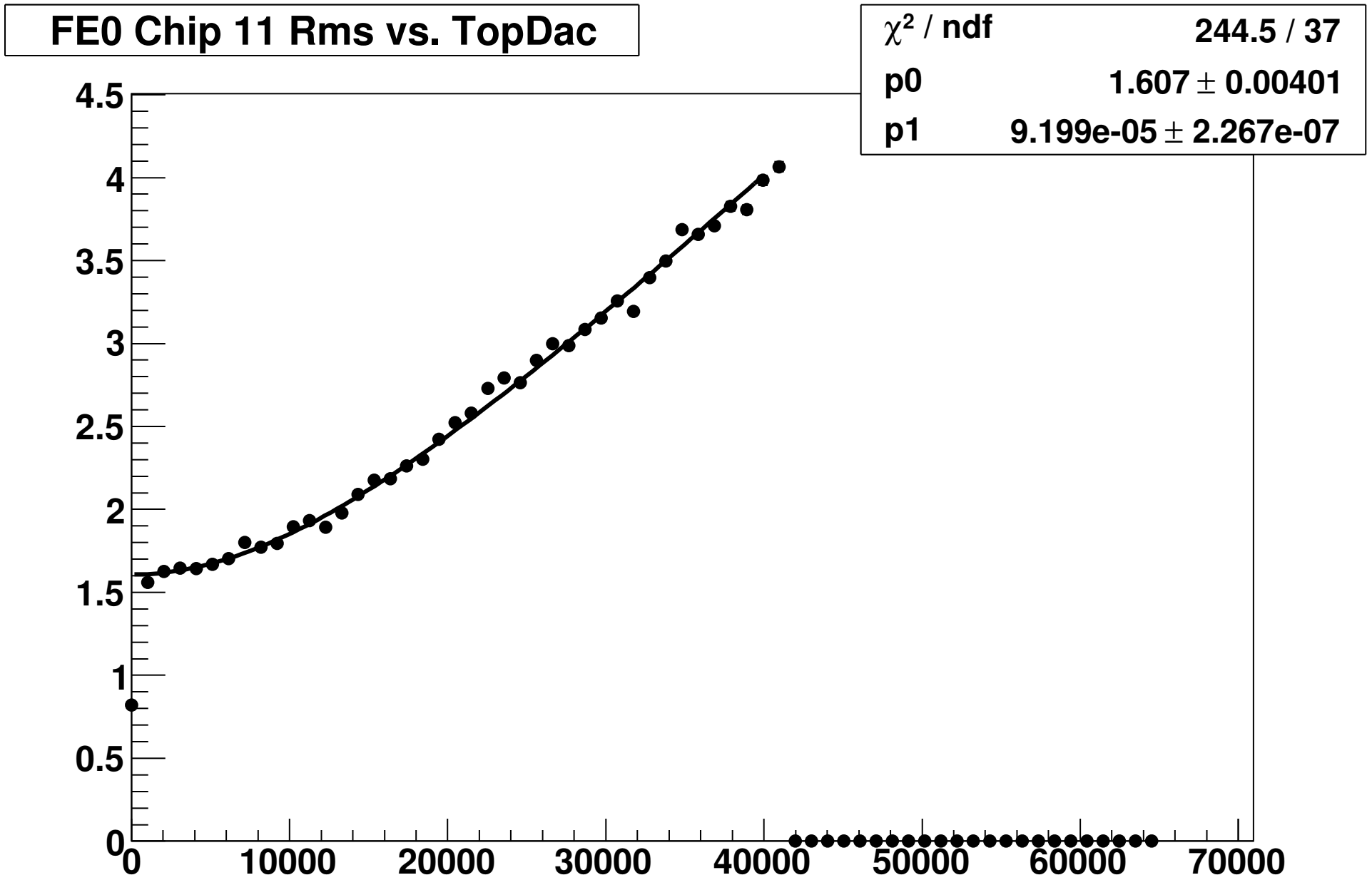

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.497e+07 / 37
p0 -471.3 ± 0.00644
p1 0.8068 ± 3.676e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

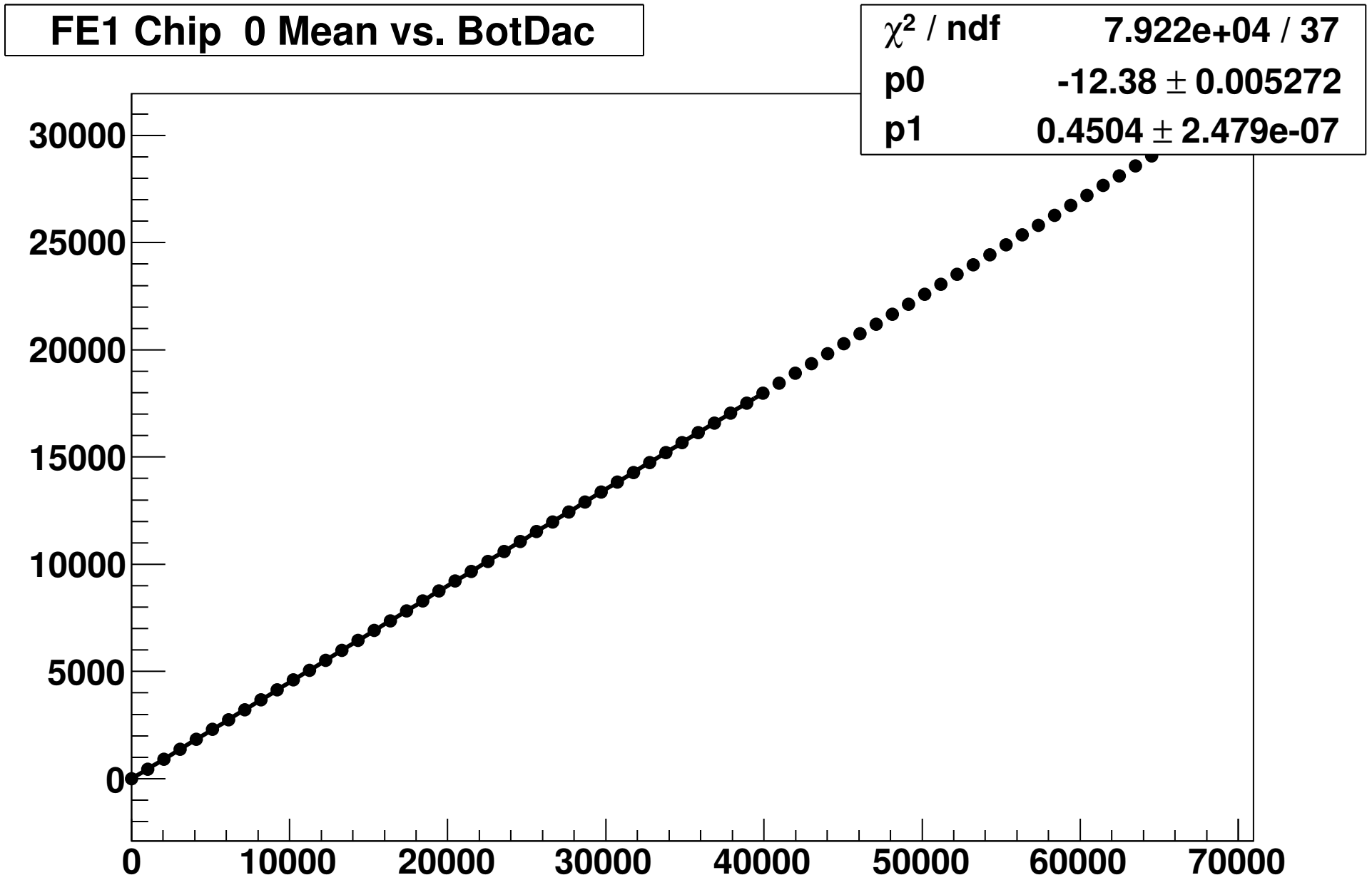

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 458 / 37
p0 1.583 ± 0.003973
p1 9.227e-05 ± 2.242e-07
0
0.5
1
1.5
2
2.5
3
3.5
4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 2979 / 37
p0 -8.285 ± 0.003028
p1 2.858e-05 ± 1.318e-07
-7
-7.2
-7.4
-7.6
-7.8
-8
-8.2
-8.4
-8.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 414.9 / 37
p0 0.8855 ± 0.001632
p1 9.405e-06 ± 2.222e-07
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0.82
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.471e+07 / 37
p0 -469 ± 0.006534
p1 0.8067 ± 3.71e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 244.5 / 37
p0 1.607 ± 0.00401
p1 9.199e-05 ± 2.267e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 7.922e+04 / 37
p0 -12.38 ± 0.005272
p1 0.4504 ± 2.479e-07
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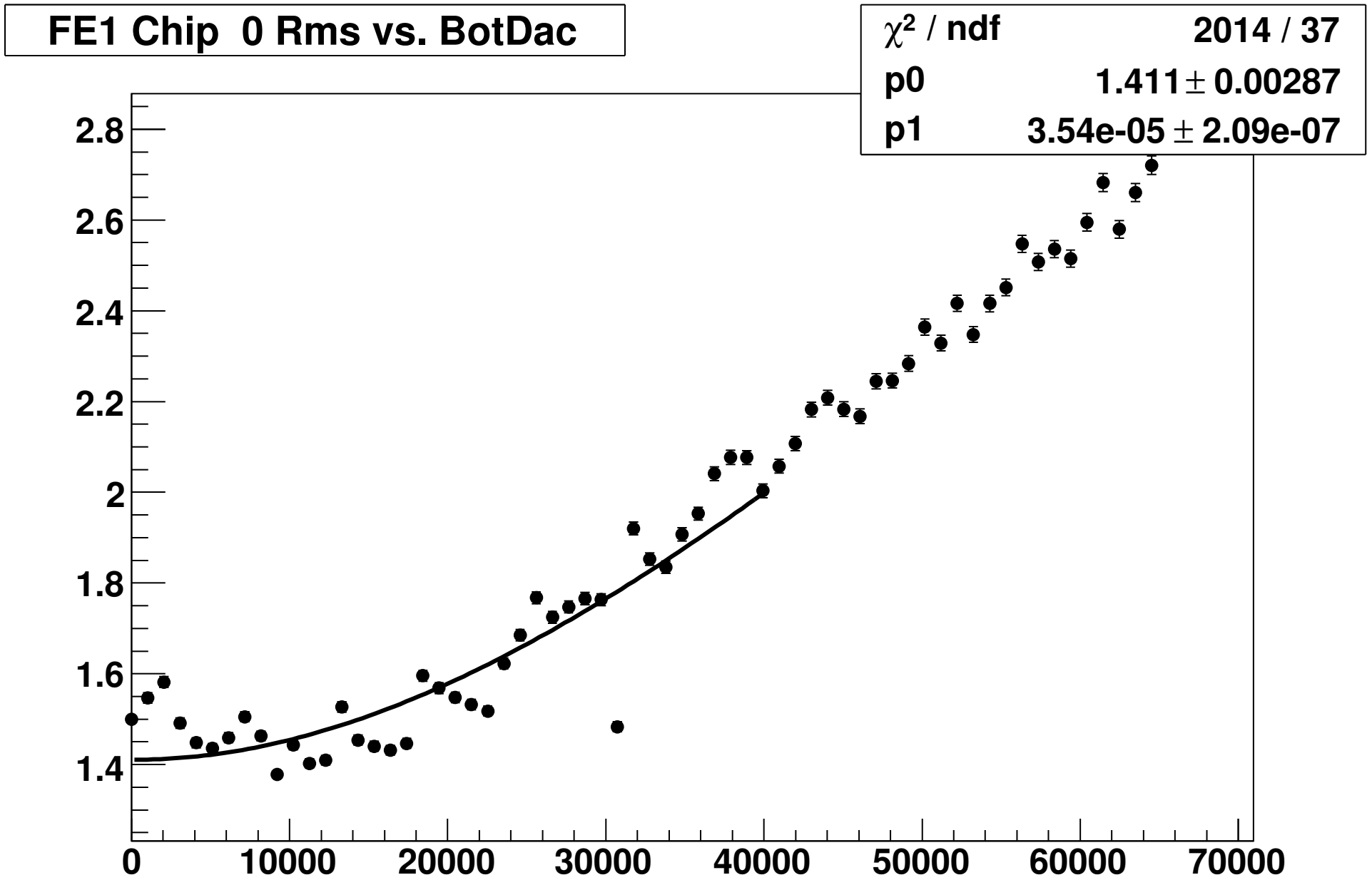
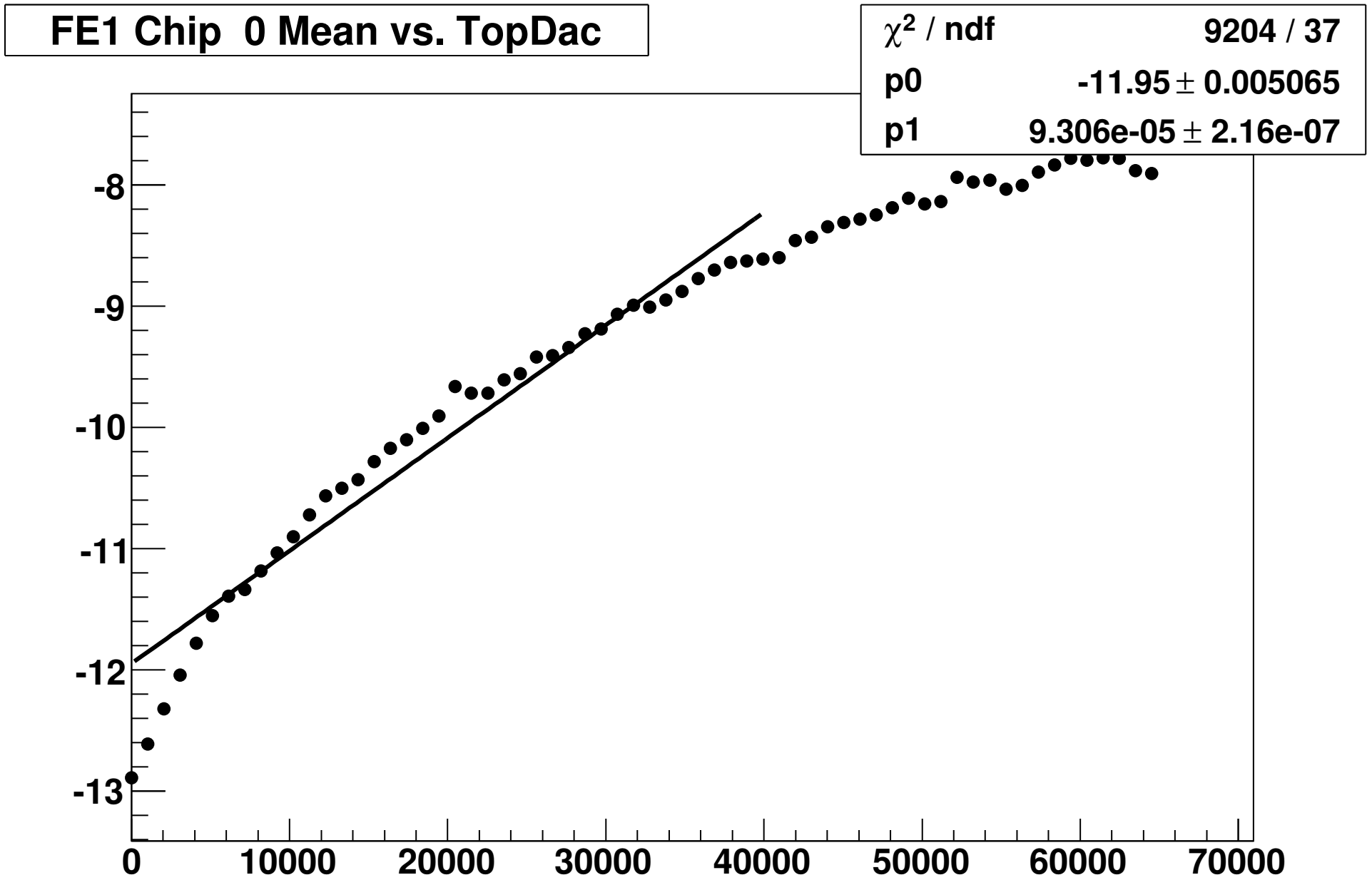
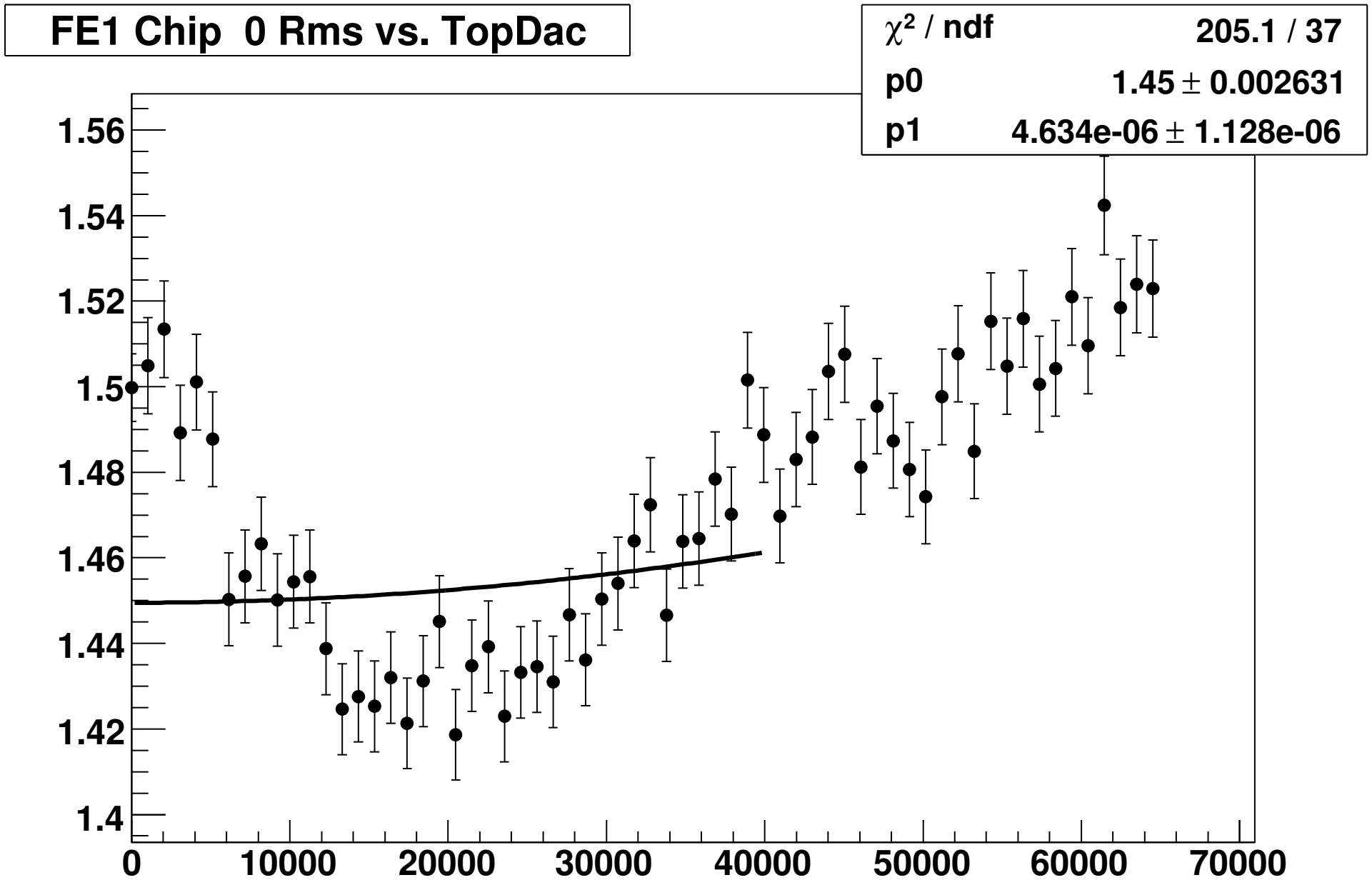
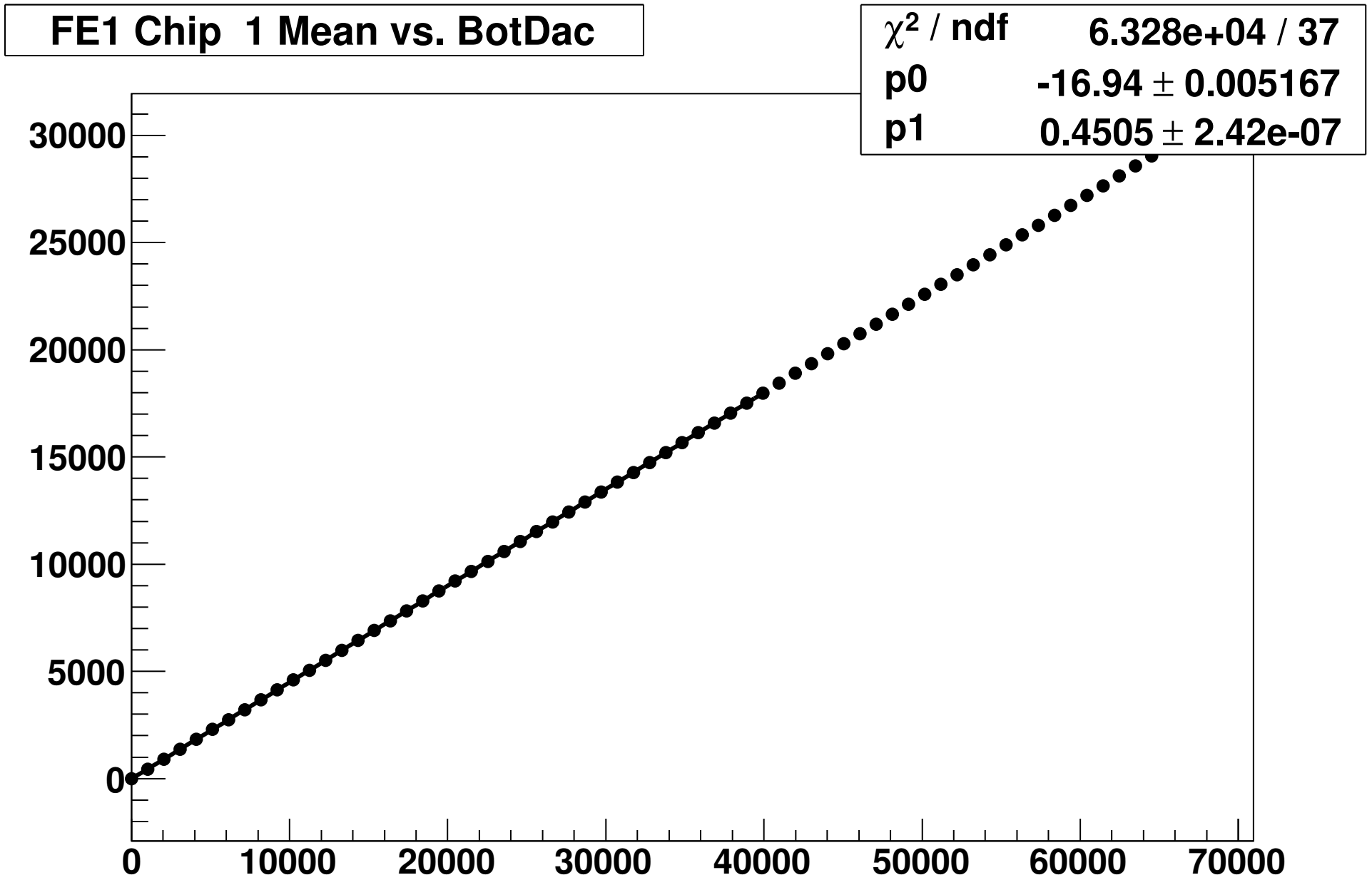
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 2014 / 37
p0 1.411 ± 0.00287
p1 3.54e-05 ± 2.09e-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 9204 / 37
p0 -11.95 ± 0.005065
p1 9.306e-05 ± 2.16e-07
-8
-9
-10
-11
-12
-13
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 205.1 / 37
p0 1.45 ± 0.002631
p1 4.634e-06 ± 1.128e-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


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 6.328e+04 / 37
p0 -16.94 ± 0.005167
p1 0.4505 ± 2.42e-07
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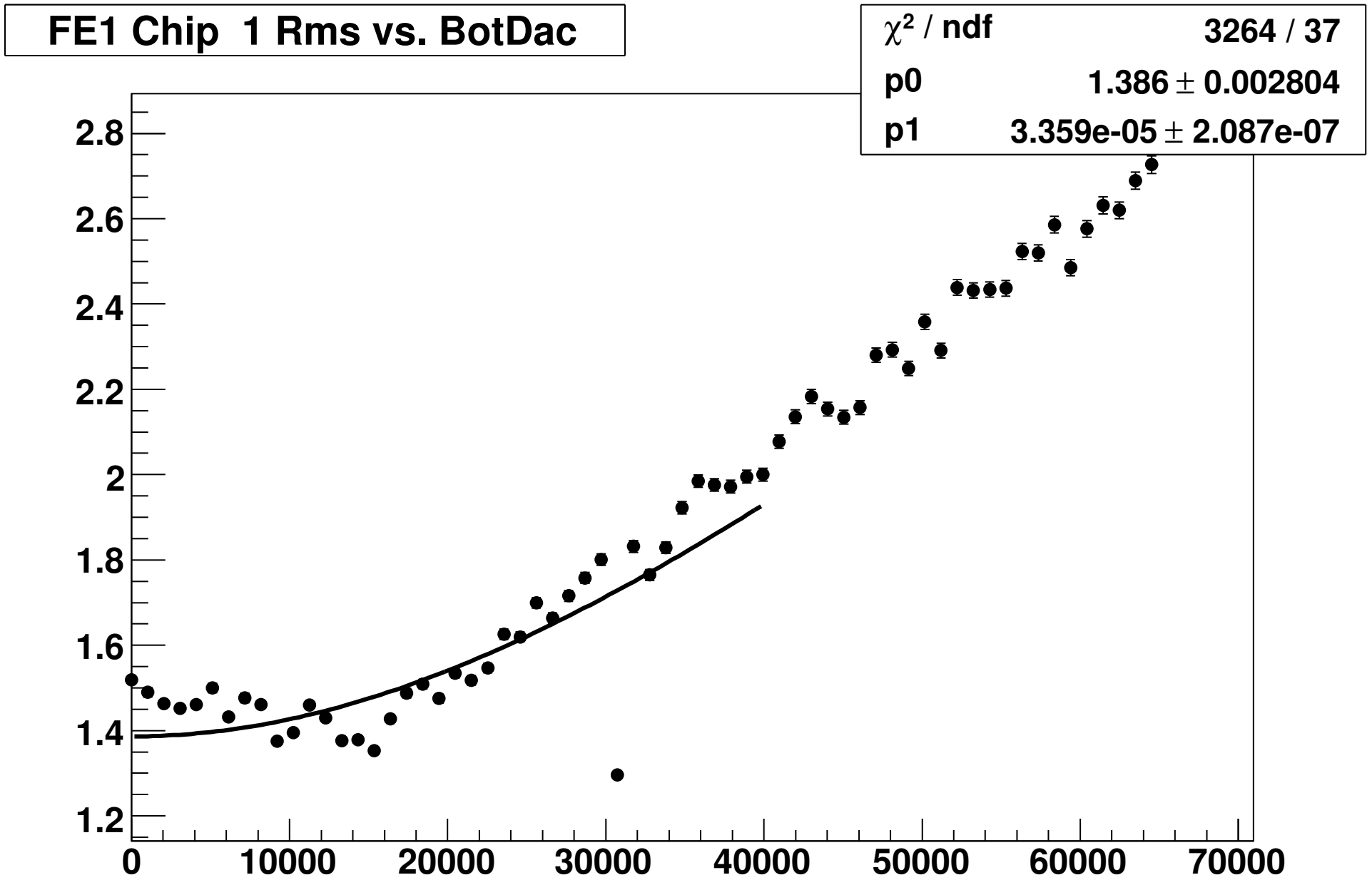
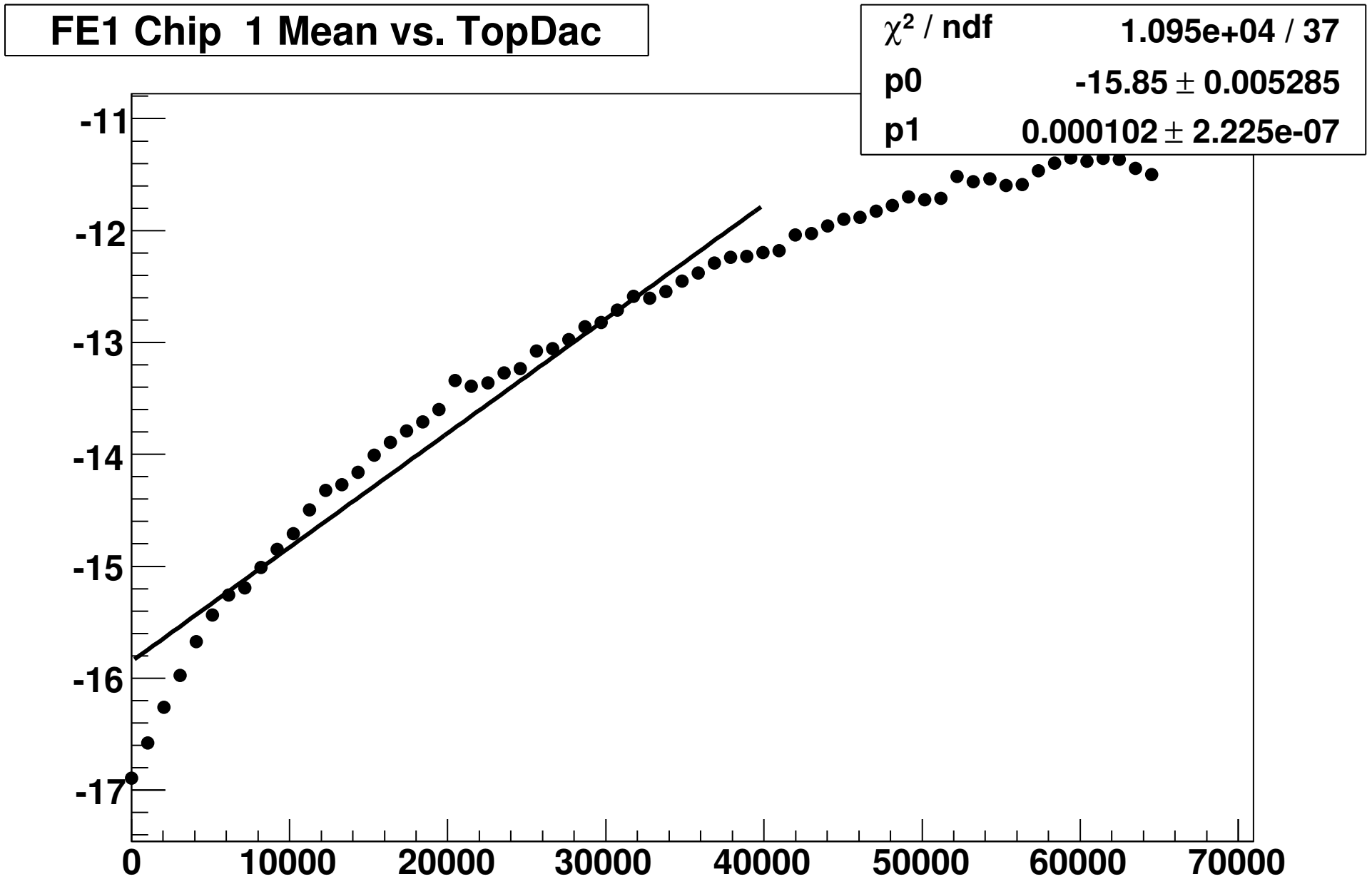
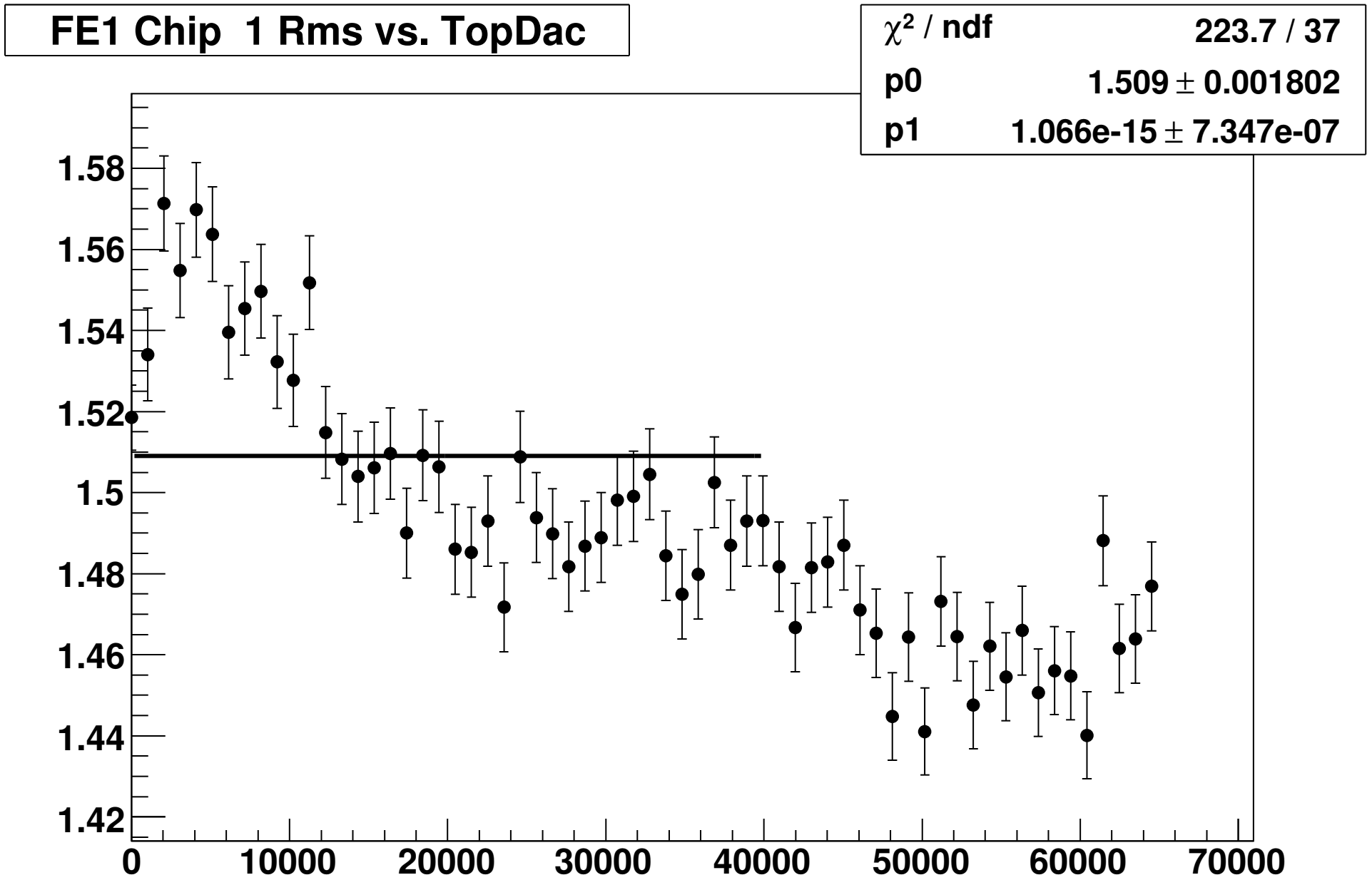
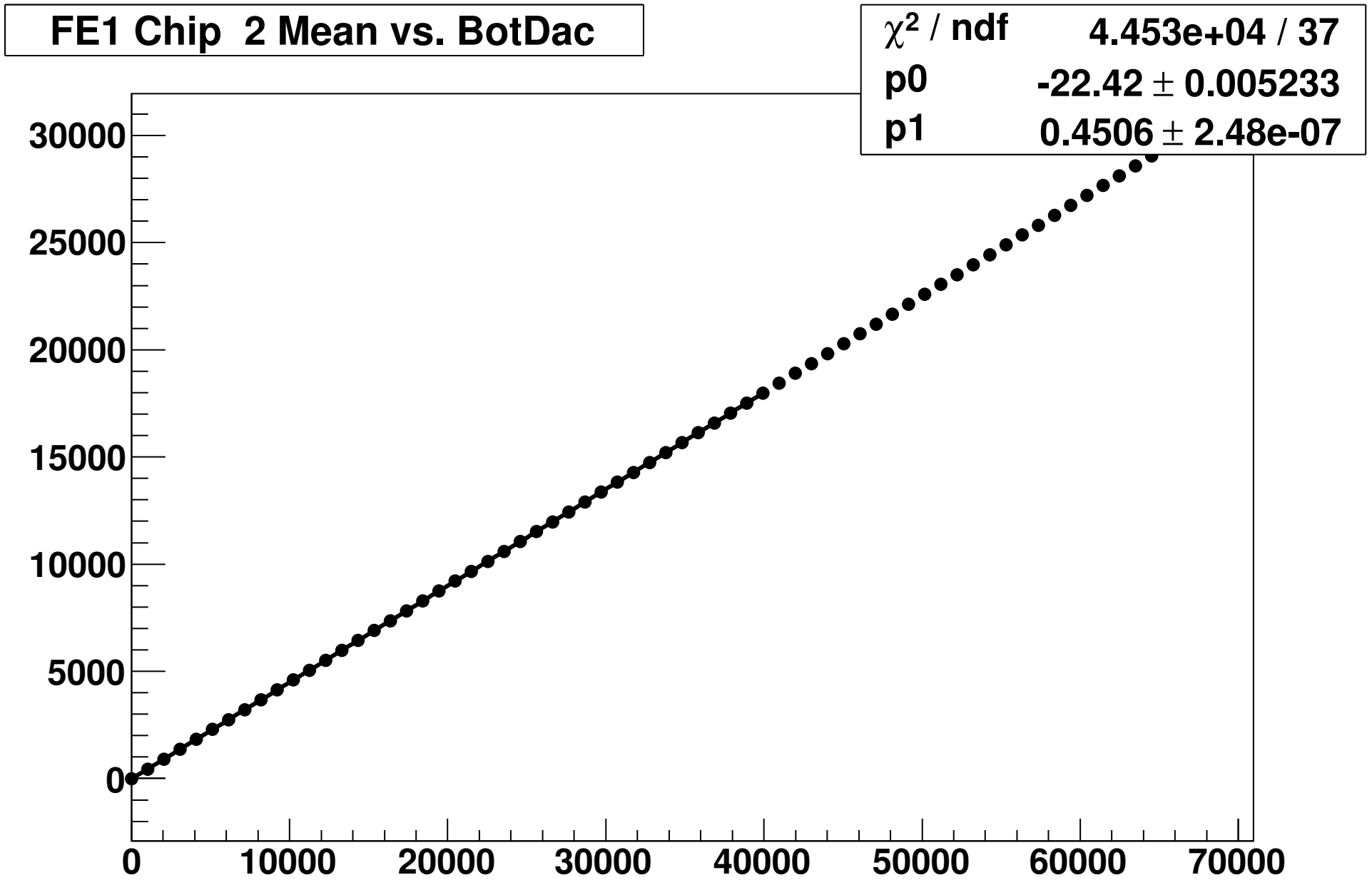
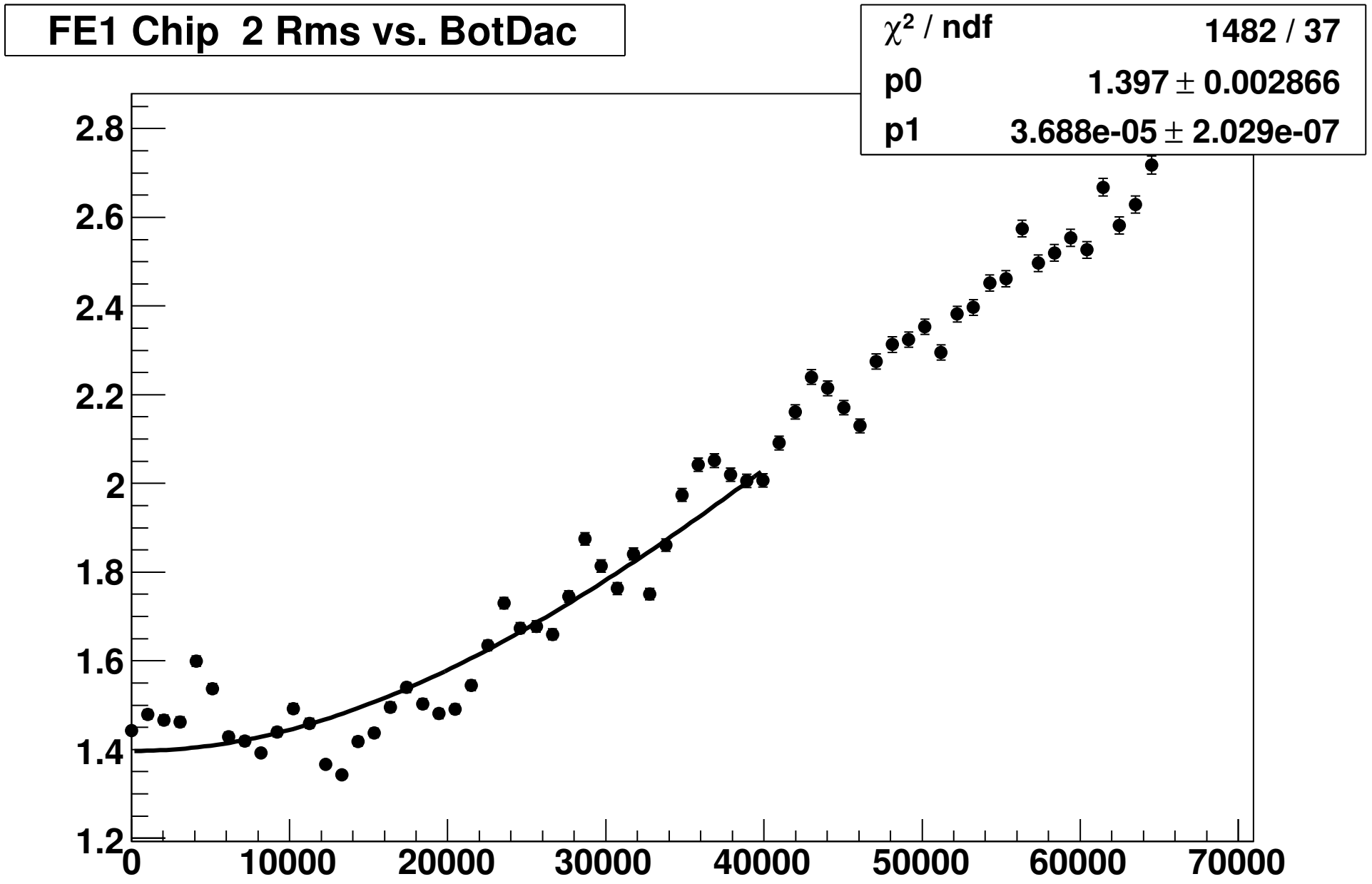
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

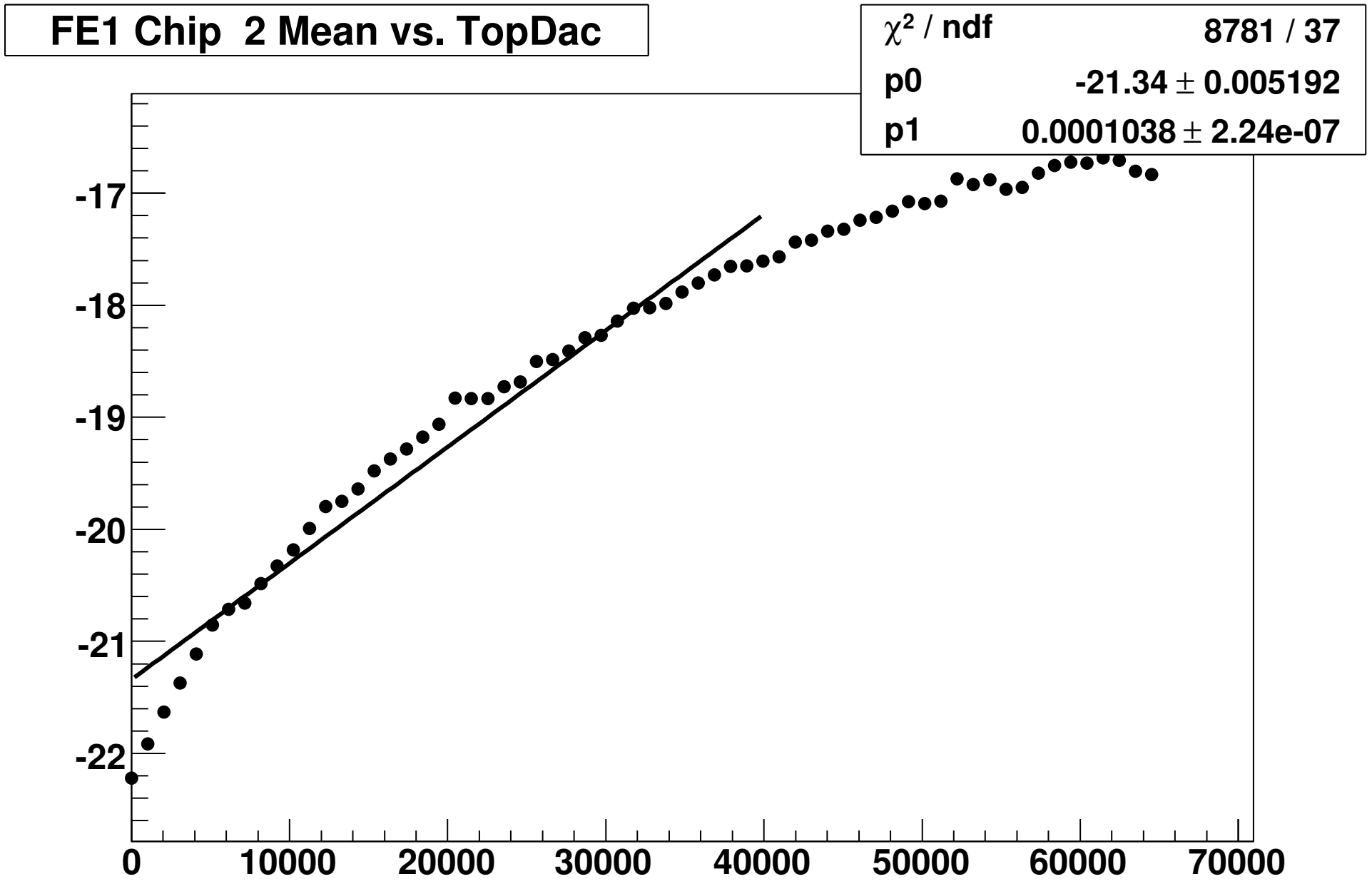

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 3264 / 37
p0 1.386 ± 0.002804
p1 3.359e-05 ± 2.087e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

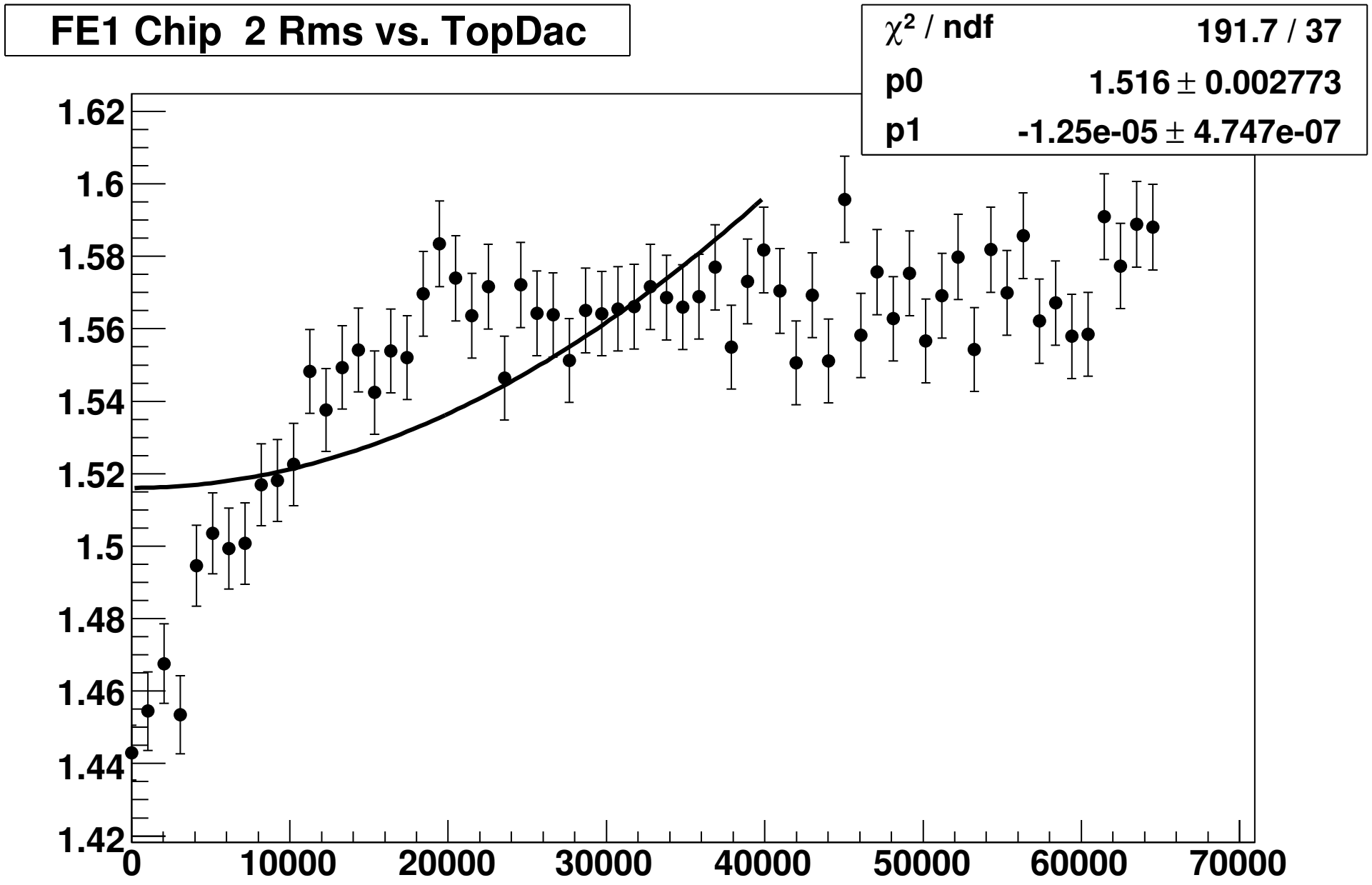

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 1.095e+04 / 37
p0 -15.85 ± 0.005285
p1 0.000102 ± 2.225e-07
-11
-12
-13
-14
-15
-16
-17
0
10000
20000
30000
40000
50000
60000
70000

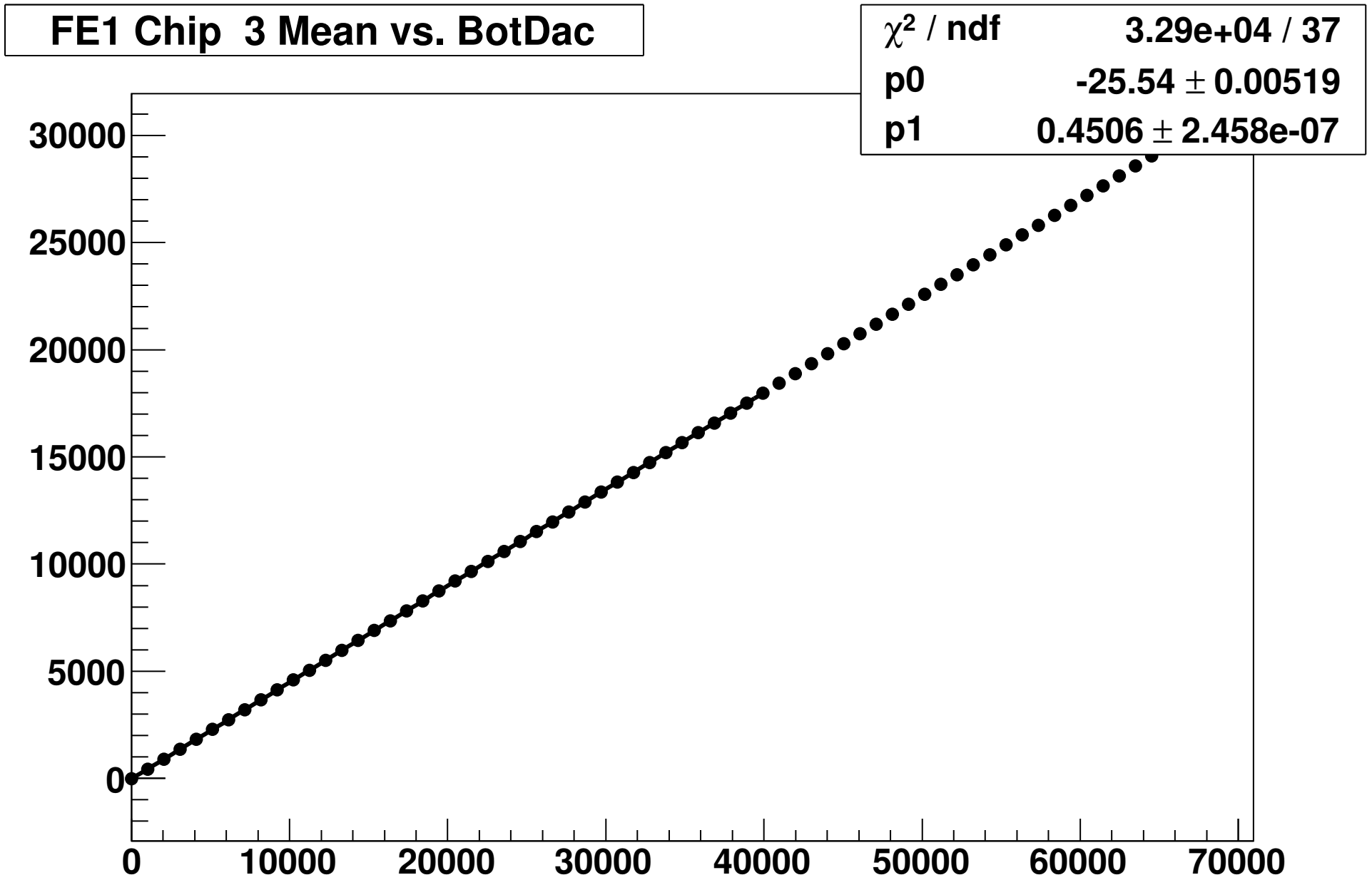

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 223.7 / 37
p0 1.509 ± 0.001802
p1 1.066e-15 ± 7.347e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

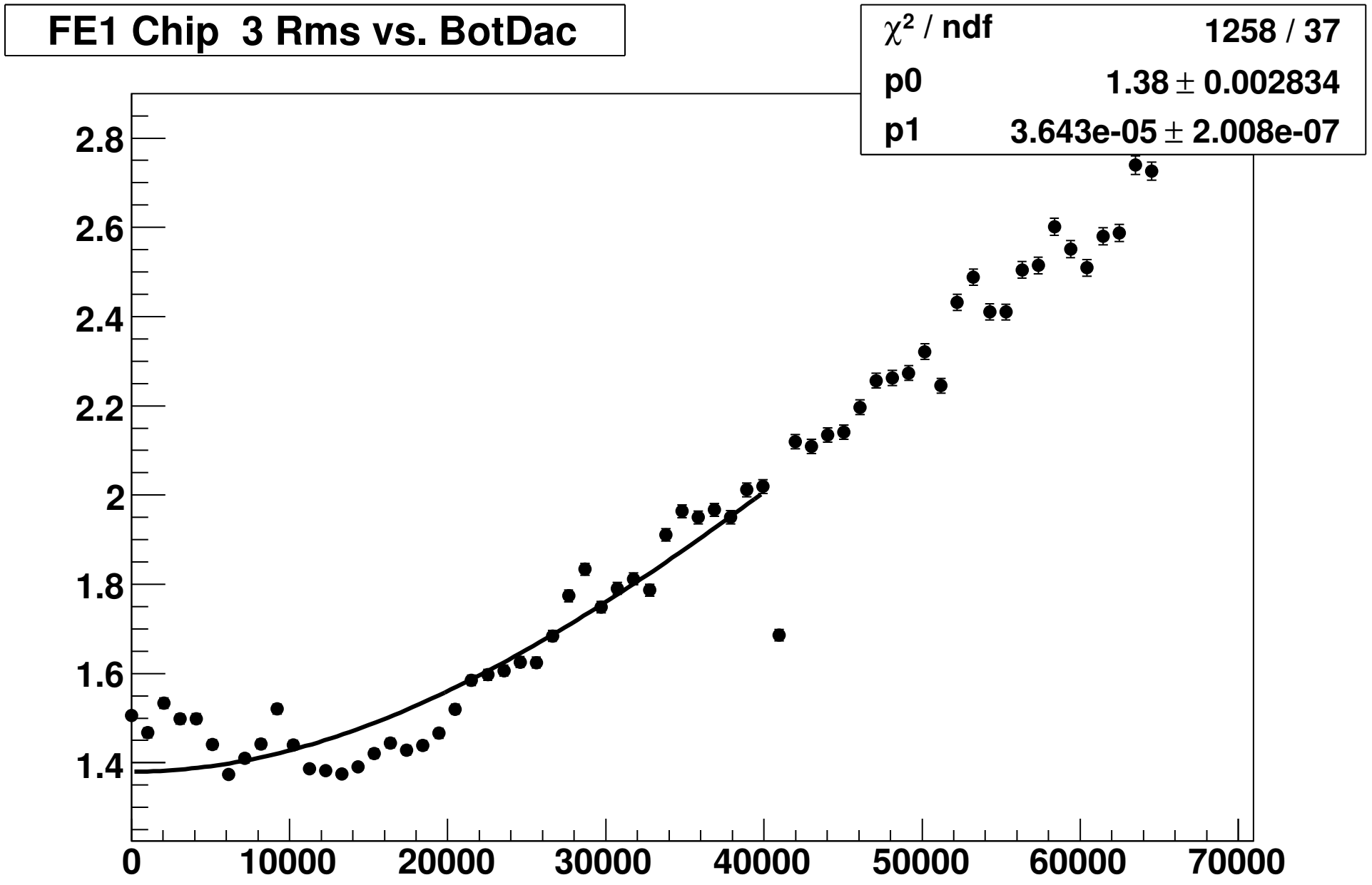

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 4.453e+04 / 37
p0 -22.42 ± 0.005233
p1 0.4506 ± 2.48e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1482 / 37
p0 1.397 ± 0.002866
p1 3.688e-05 ± 2.029e-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 2 Mean vs. TopDac
χ² / ndf 8781 / 37
p0 -21.34 ± 0.005192
p1 0.0001038 ± 2.24e-07
-17
-18
-19
-20
-21
-22
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 191.7 / 37
p0 1.516 ± 0.002773
p1 -1.25e-05 ± 4.747e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 3.29e+04 / 37
p0 -25.54 ± 0.00519
p1 0.4506 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 1258 / 37
p0 1.38 ± 0.002834
p1 3.643e-05 ± 2.008e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
30000
40000
50000
60000
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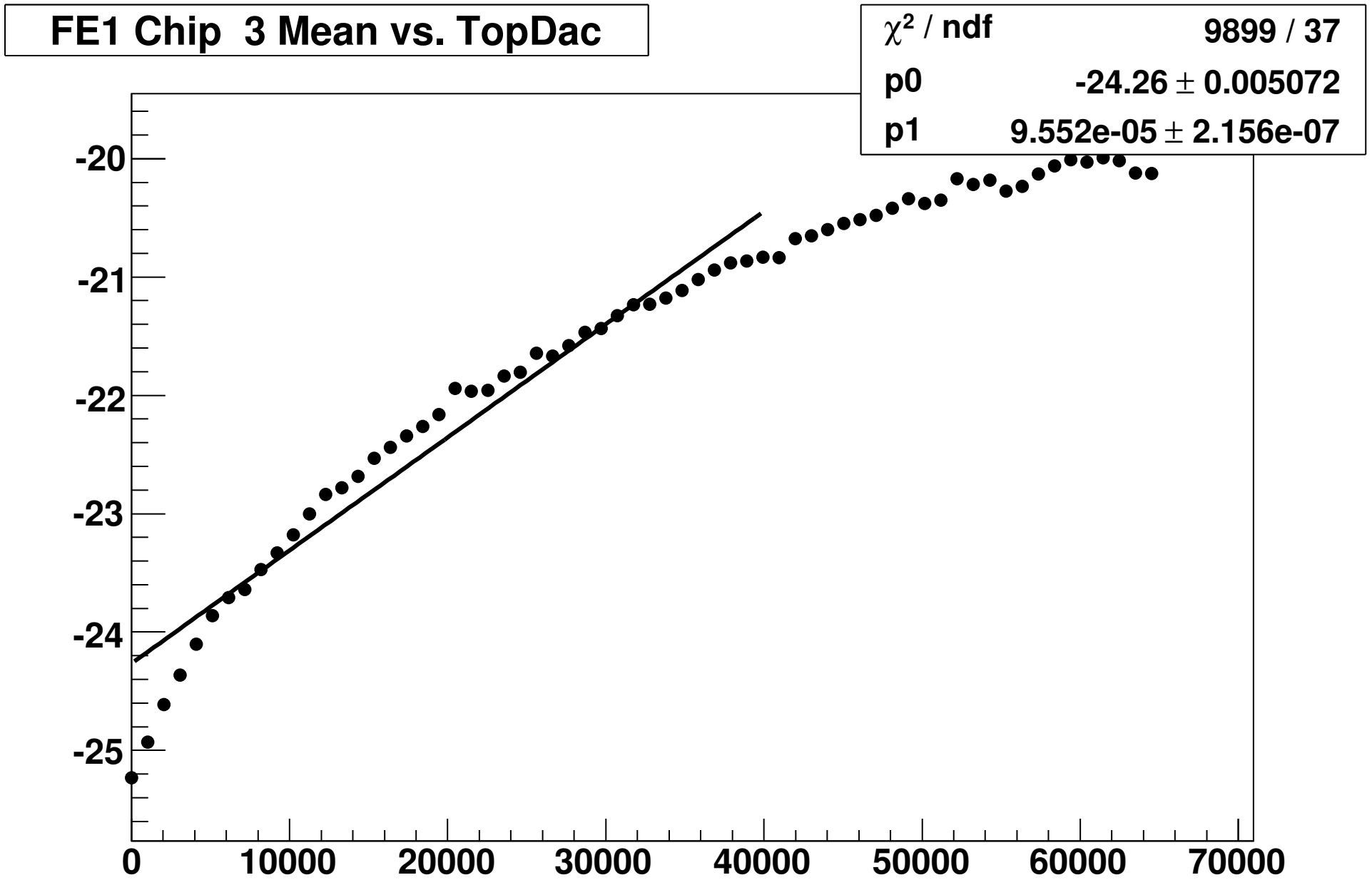
FE1 Chip 3 Mean vs. TopDac
χ² / ndf 9899 / 37
p0 -24.26 ± 0.005072
p1 9.552e-05 ± 2.156e-07
-20
-21
-22
-23
-24
-25
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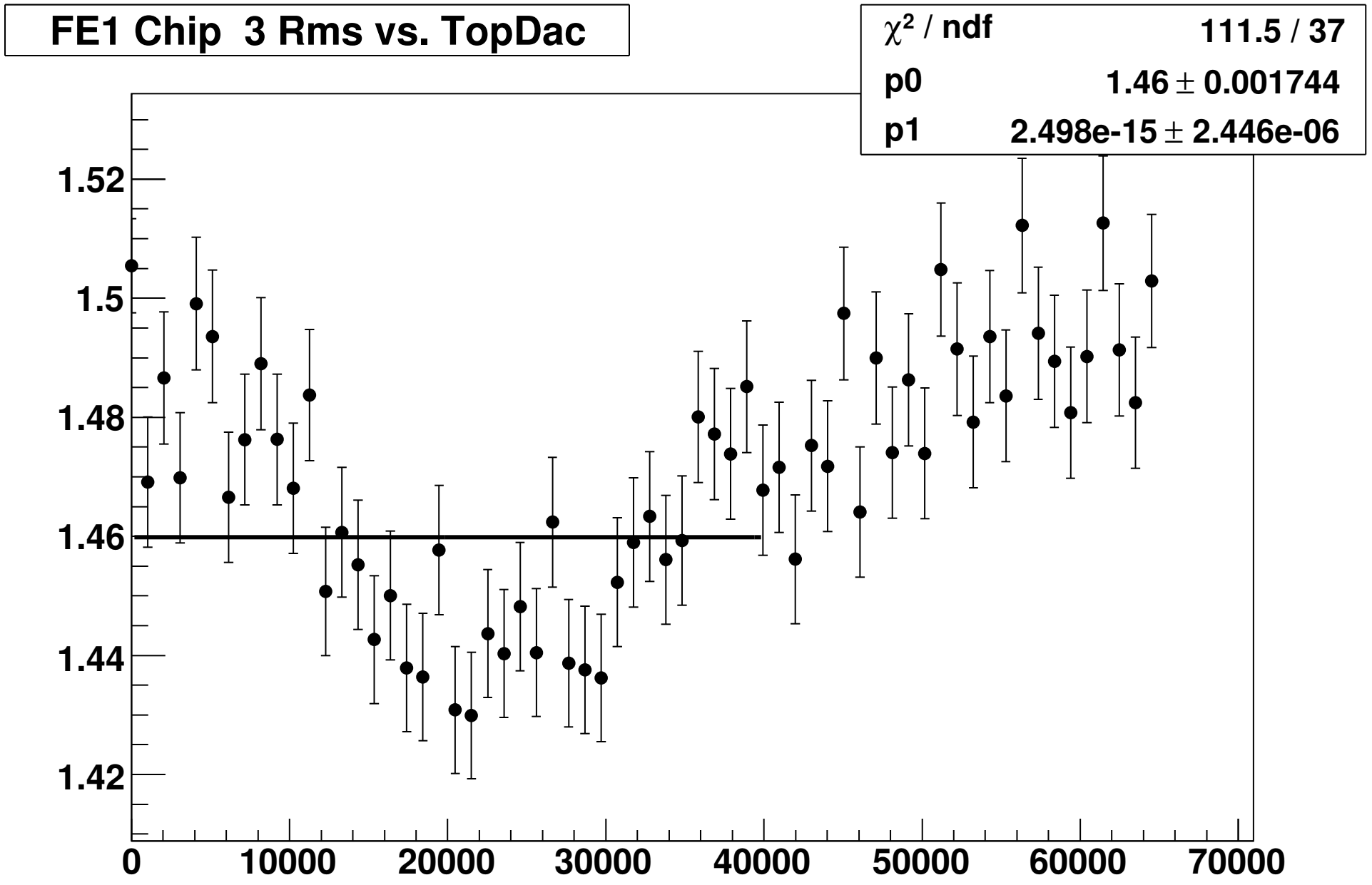
FE1 Chip 3 Rms vs. TopDac
χ² / ndf 111.5 / 37
p0 1.46 ± 0.001744
p1 2.498e-15 ± 2.446e-06
1.52
1.5
1.48
1.46
1.44
1.42
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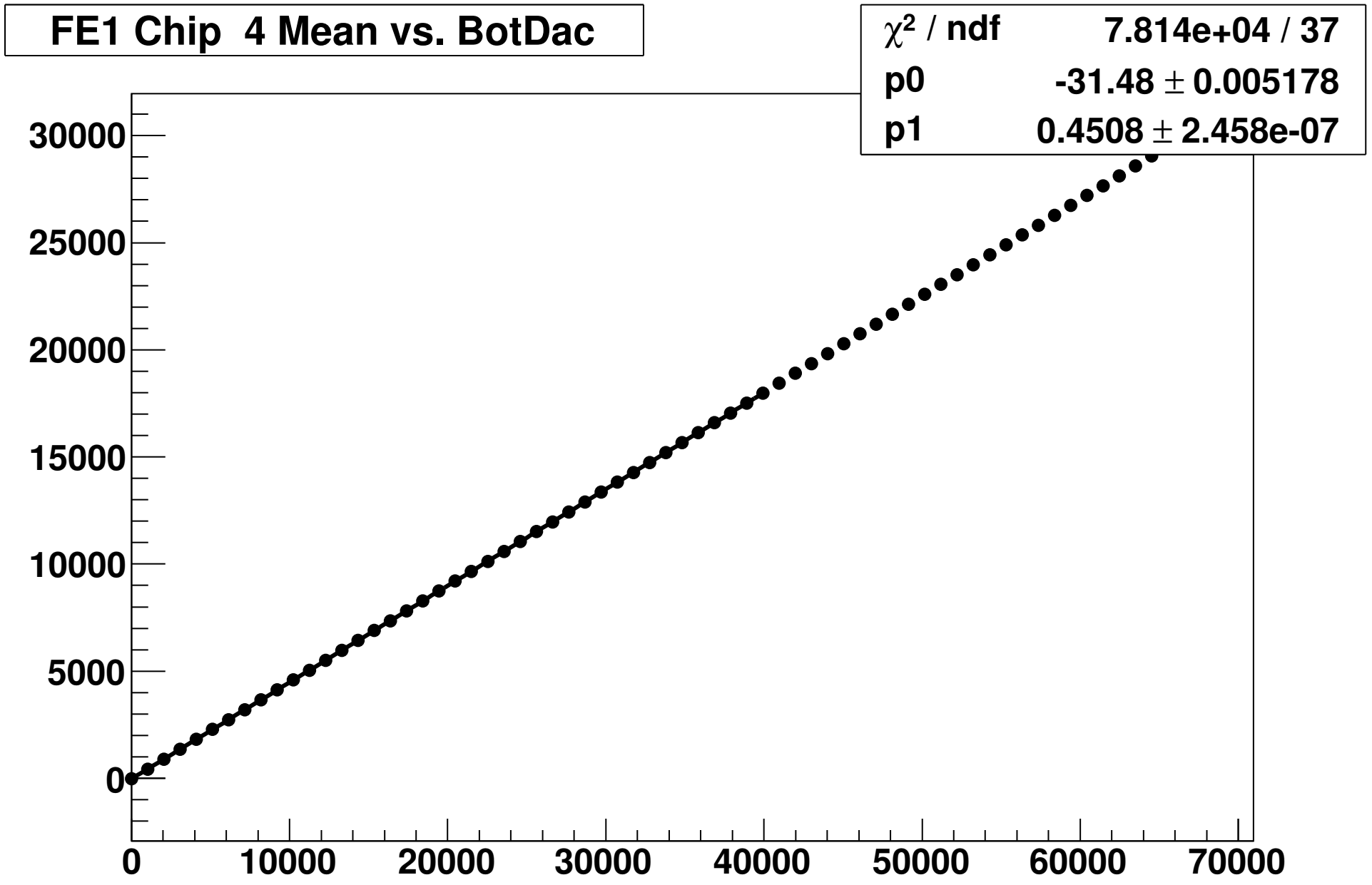
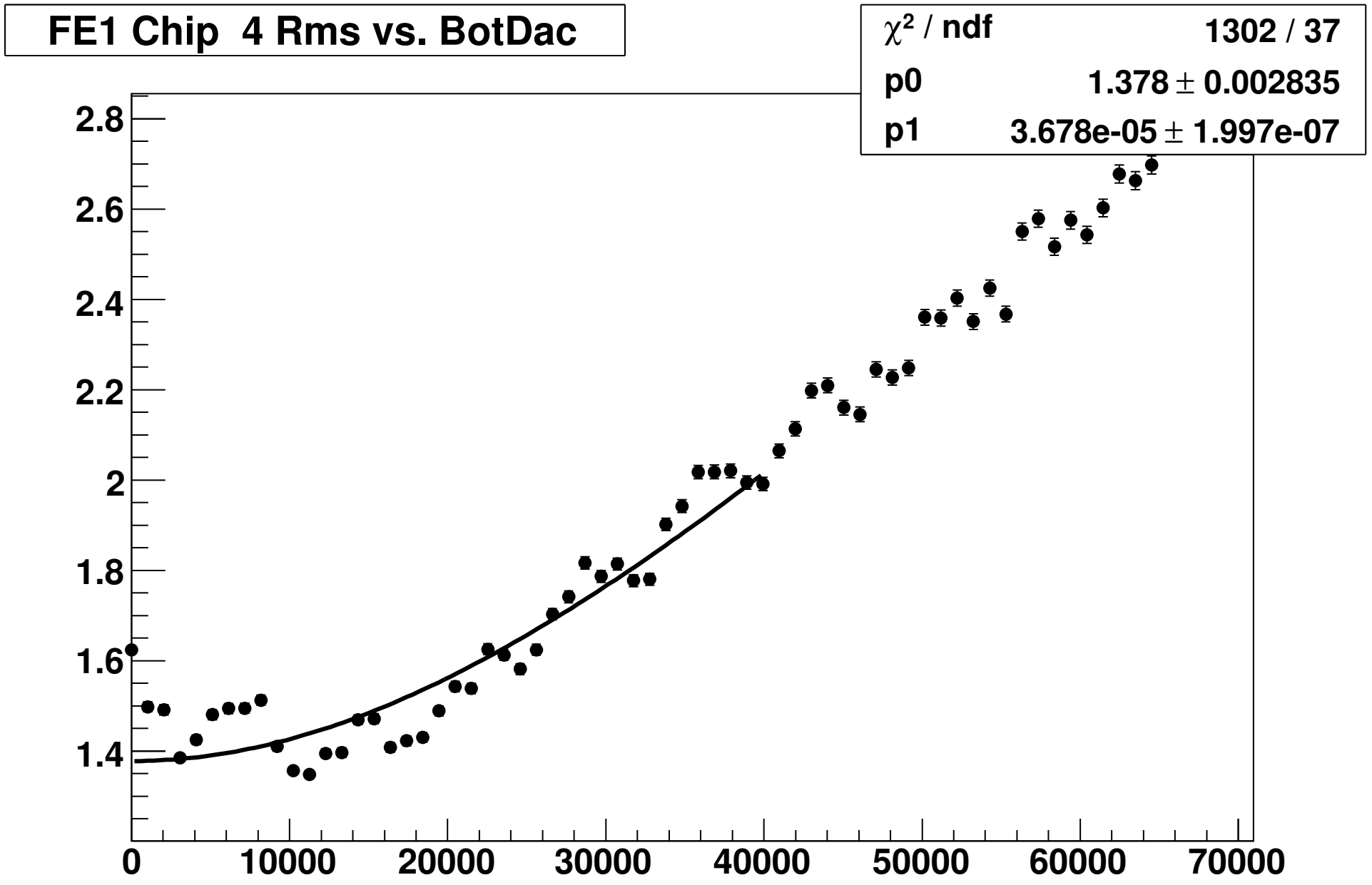

FE1 Chip 4 Mean vs. BotDac
χ² / ndf 7.814e+04 / 37
p0 -31.48 ± 0.005178
p1 0.4508 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1302 / 37
p0 1.378 ± 0.002835
p1 3.678e-05 ± 1.997e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
30000
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50000
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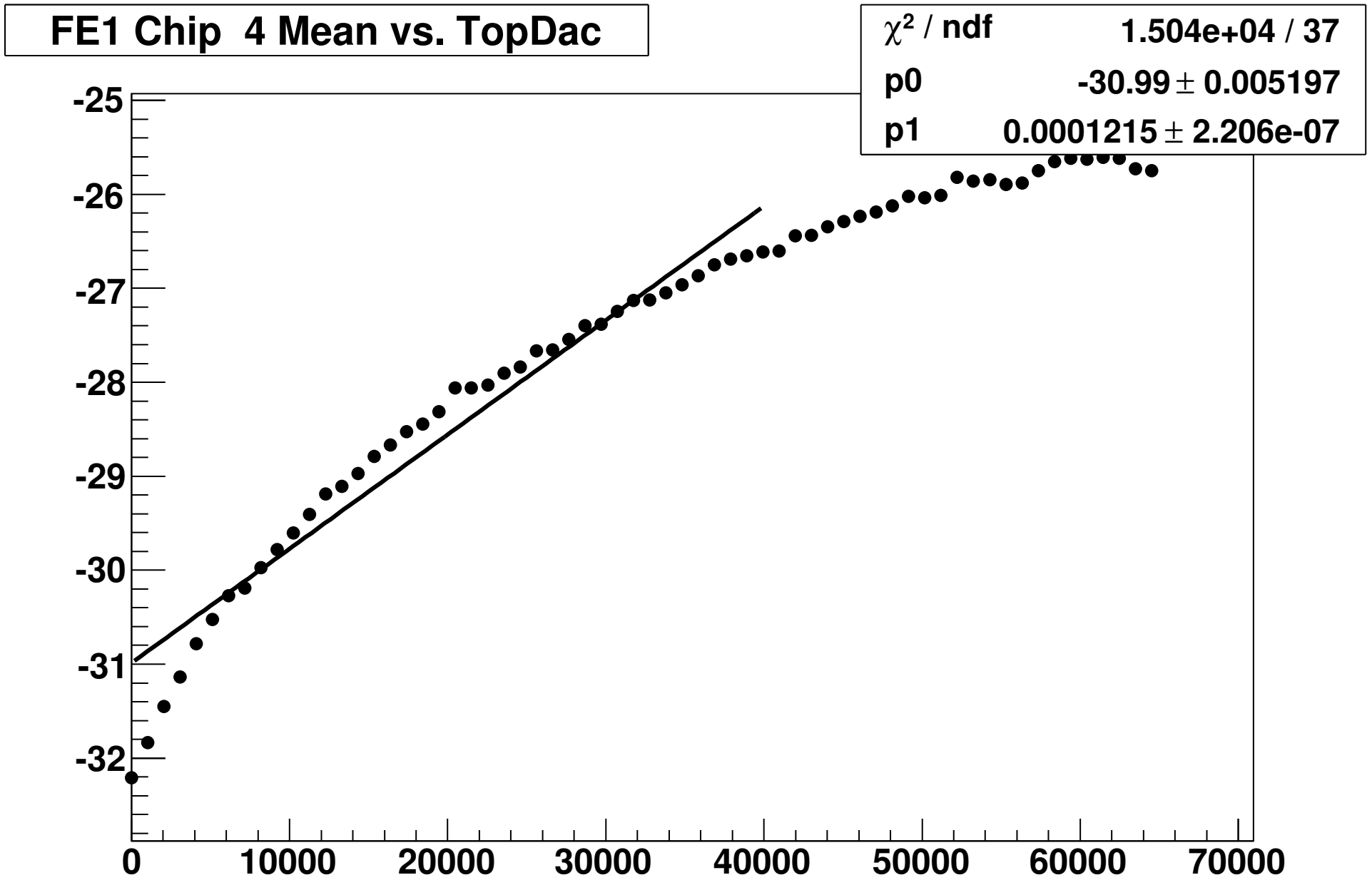
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 1.504e+04 / 37
p0 -30.99 ± 0.005197
p1 0.0001215 ± 2.206e-07
-25
-26
-27
-28
-29
-30
-31
-32
0
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20000
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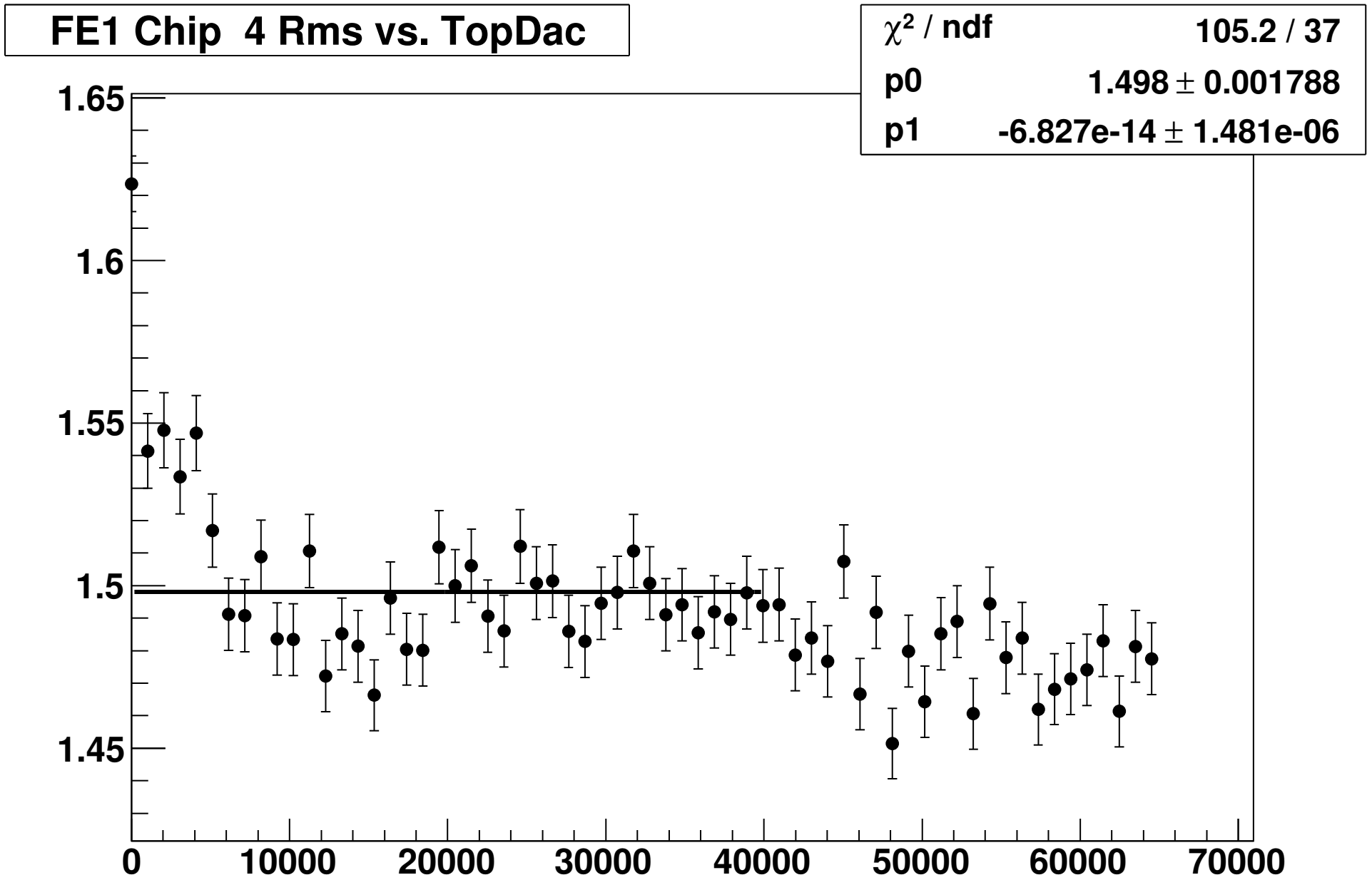
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 105.2 / 37
p0 1.498 ± 0.001788
p1 -6.827e-14 ± 1.481e-06
1.65
1.6
1.55
1.5
1.45
0
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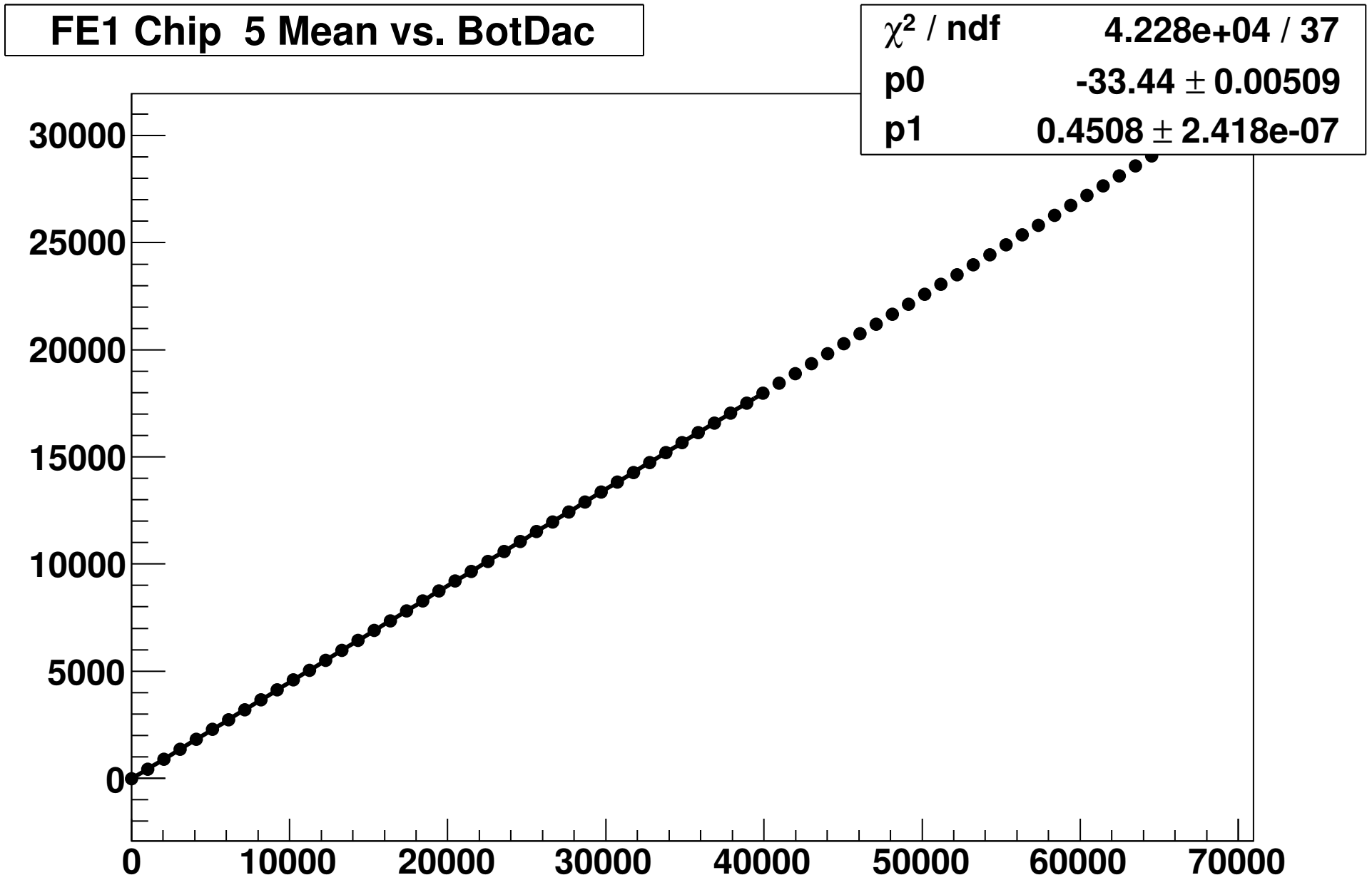
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. BotDac
χ² / ndf 4.228e+04 / 37
p0 -33.44 ± 0.00509
p1 0.4508 ± 2.418e-07
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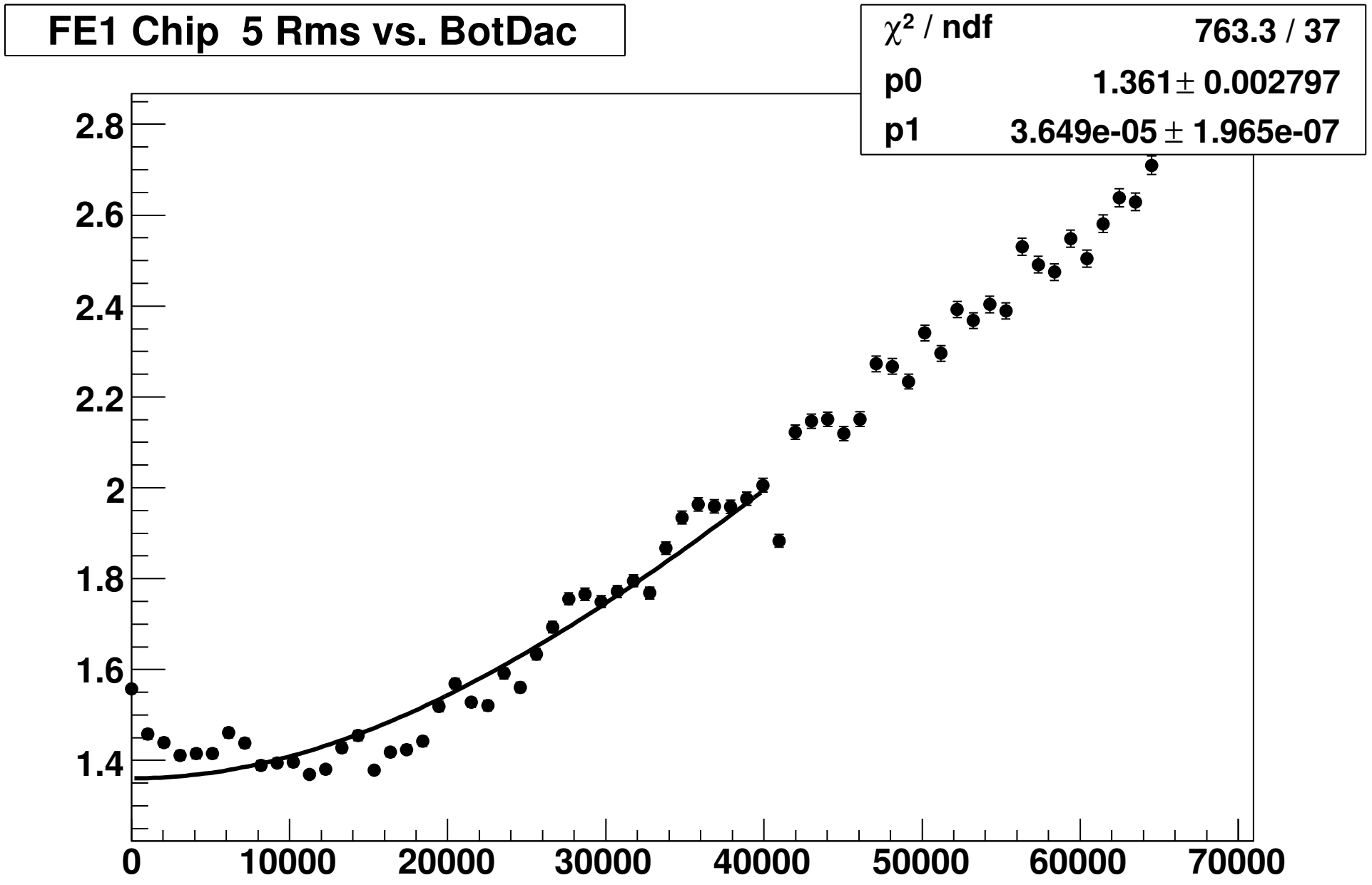
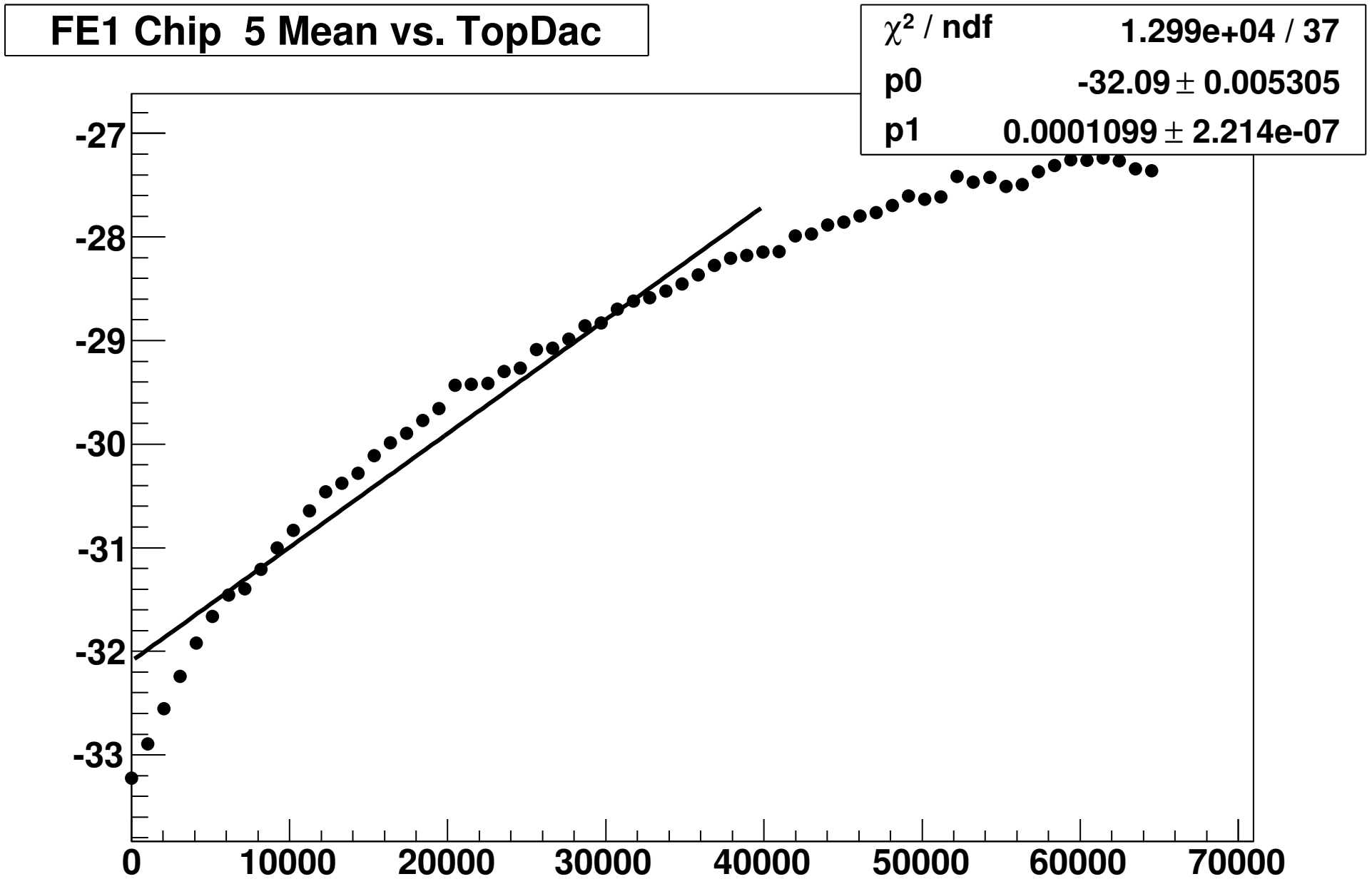
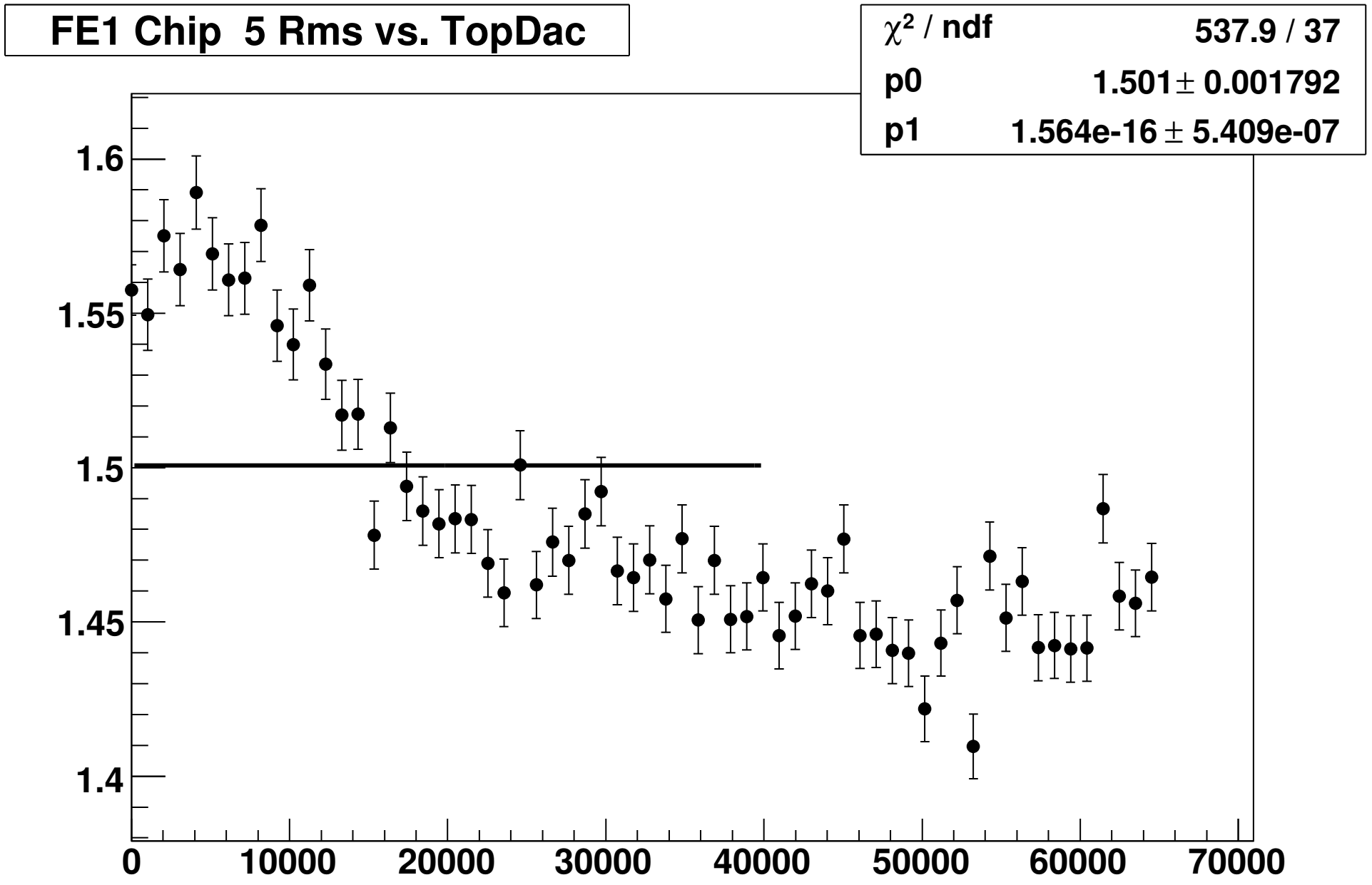
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 763.3 / 37
p0 1.361 ± 0.002797
p1 3.649e-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 5 Mean vs. TopDac
χ² / ndf 1.299e+04 / 37
p0 -32.09 ± 0.005305
p1 0.0001099 ± 2.214e-07
-27
-28
-29
-30
-31
-32
-33
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 537.9 / 37
p0 1.501 ± 0.001792
p1 1.564e-16 ± 5.409e-07
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1.55
1.5
1.45
1.4
0
10000
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30000
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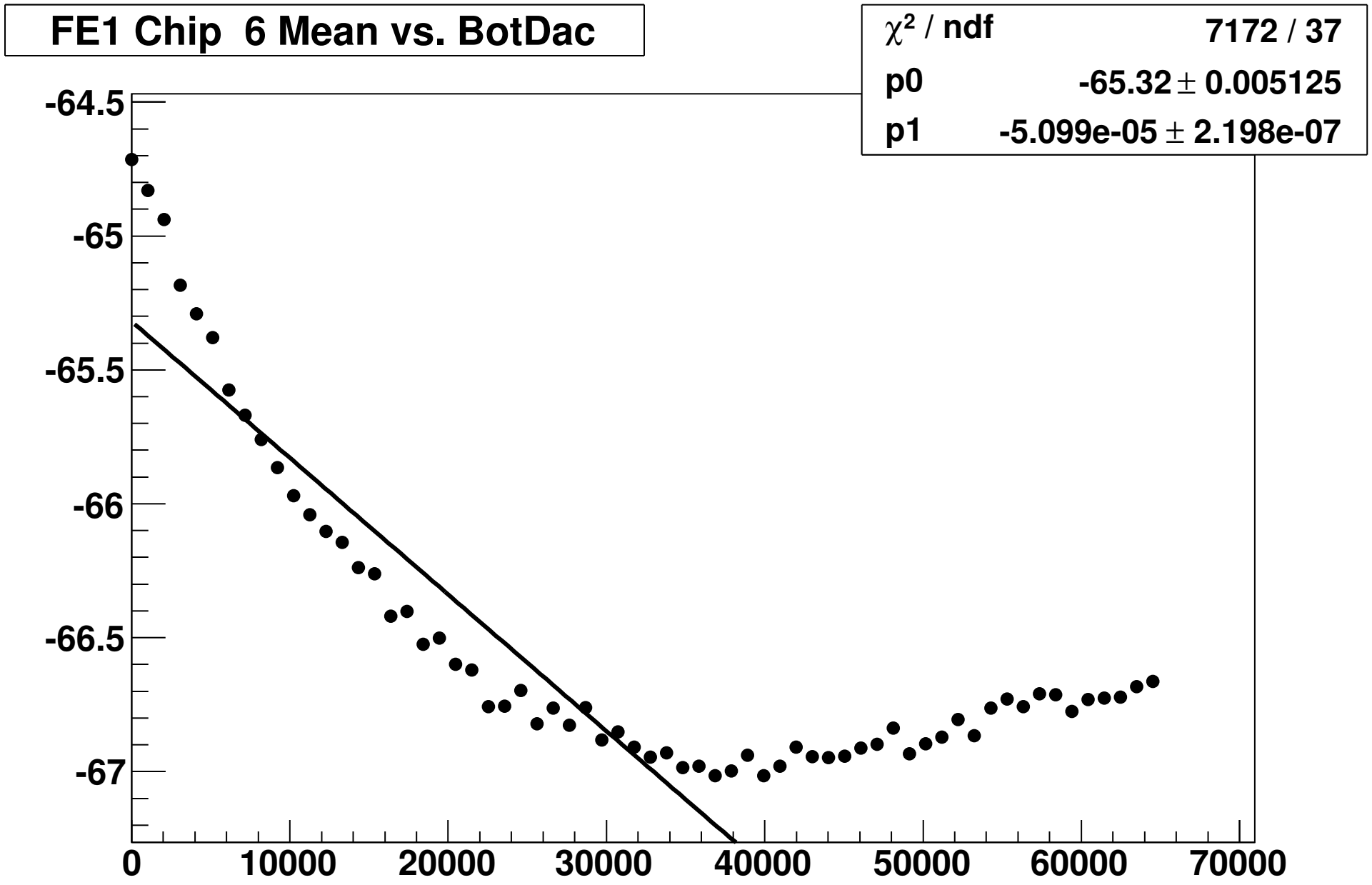
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 7172 / 37
p0 -65.32 ± 0.005125
p1 -5.099e-05 ± 2.198e-07
-64.5
-65
-65.5
-66
-66.5
-67
0
10000
20000
30000
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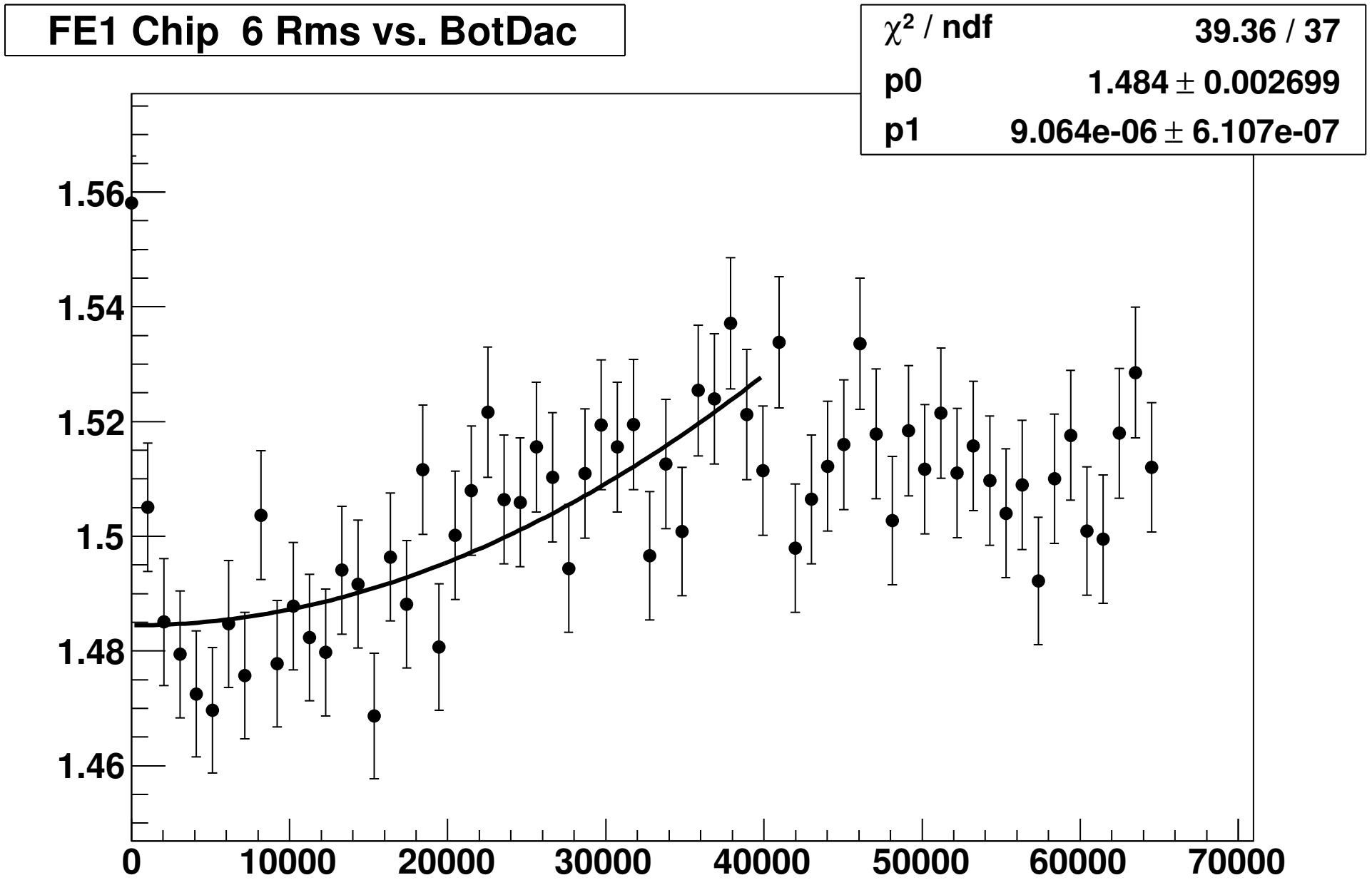
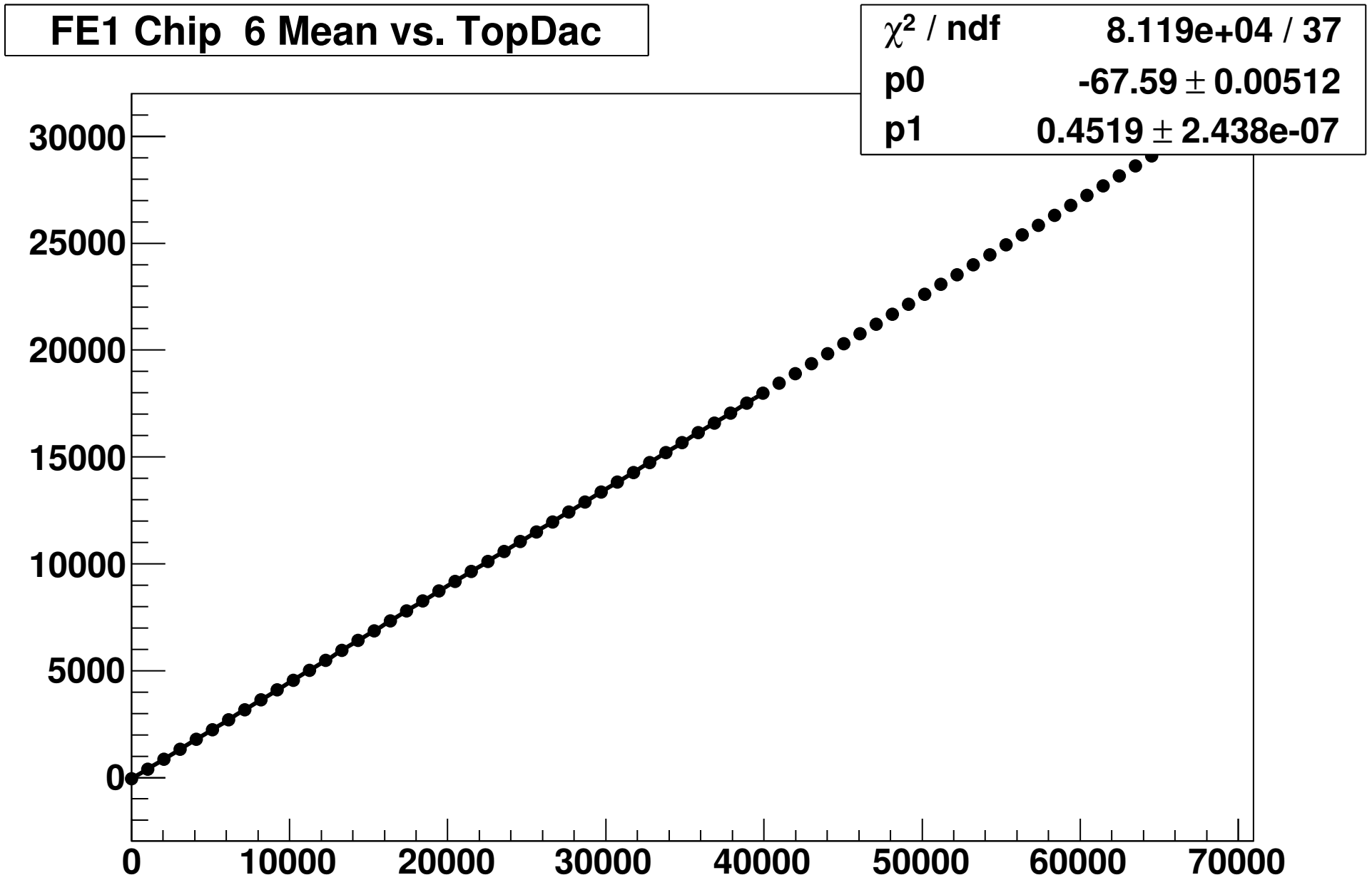
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 39.36 / 37
p0 1.484 ± 0.002699
p1 9.064e-06 ± 6.107e-07
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 8.119e+04 / 37
p0 -67.59 ± 0.00512
p1 0.4519 ± 2.438e-07
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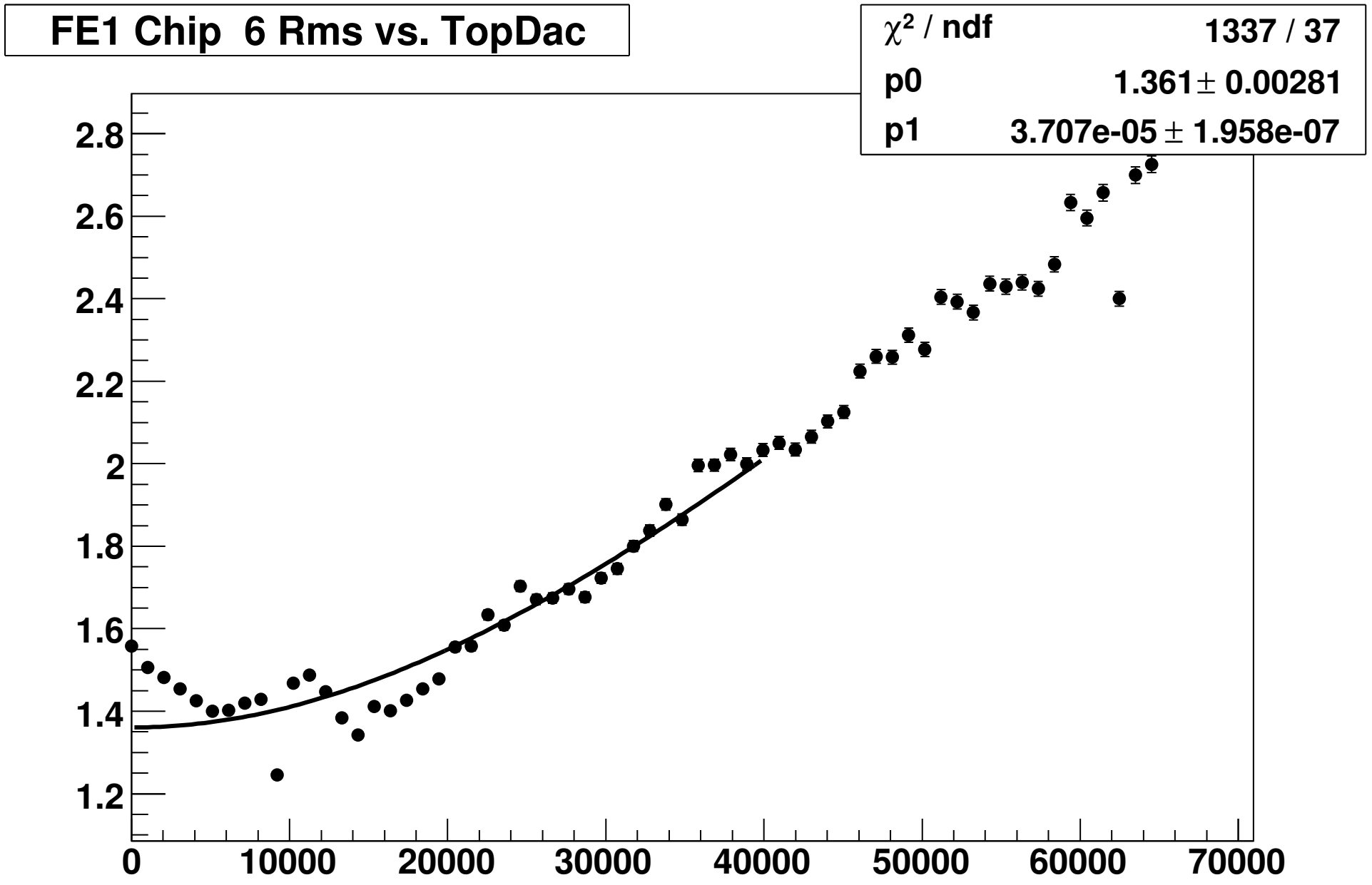
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 1337 / 37
p0 1.361 ± 0.00281
p1 3.707e-05 ± 1.958e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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20000
30000
40000
50000
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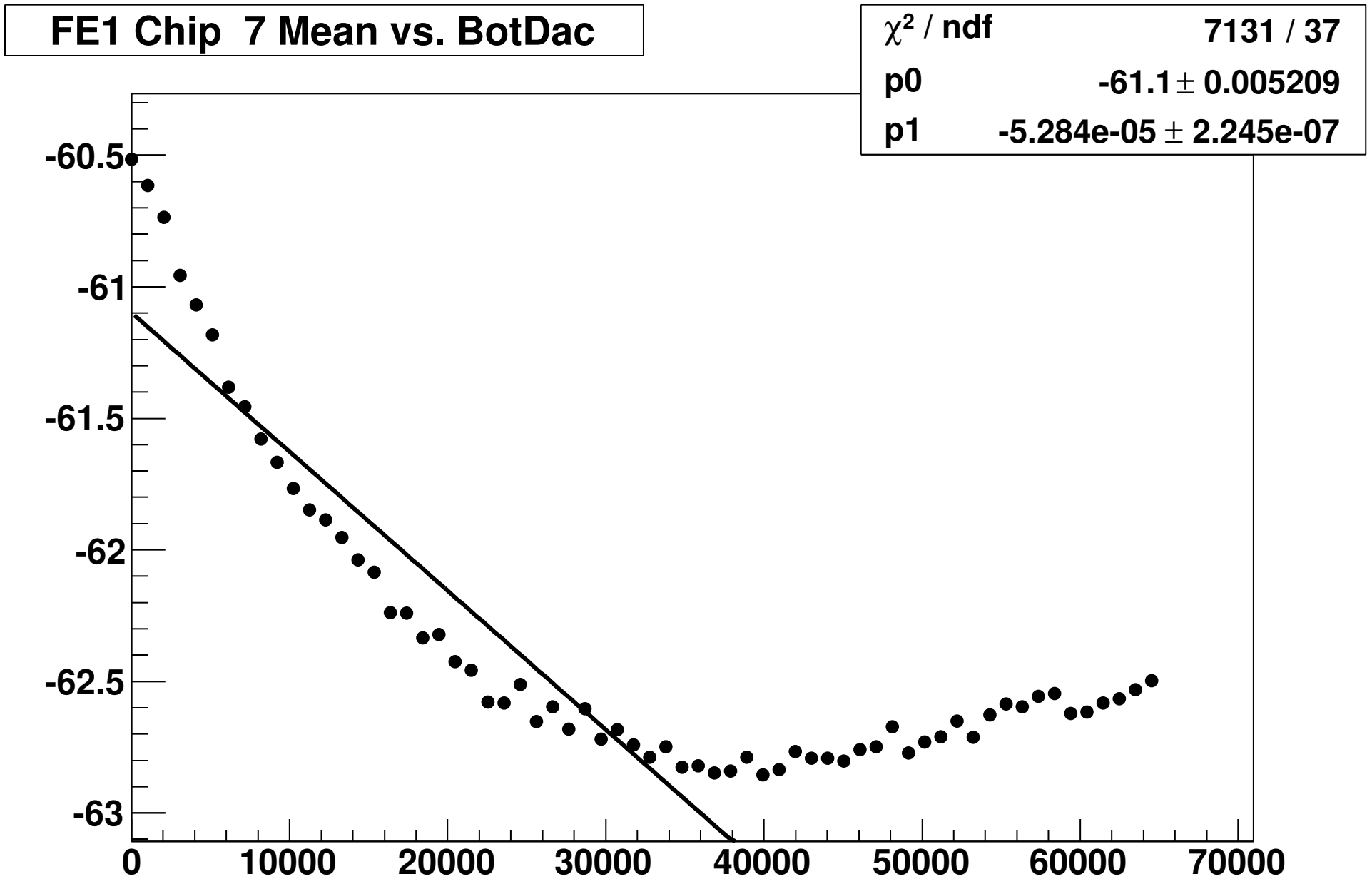
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 7131 / 37
p0 -61.1 ± 0.005209
p1 -5.284e-05 ± 2.245e-07
-60.5
-61
-61.5
-62
-62.5
-63
0
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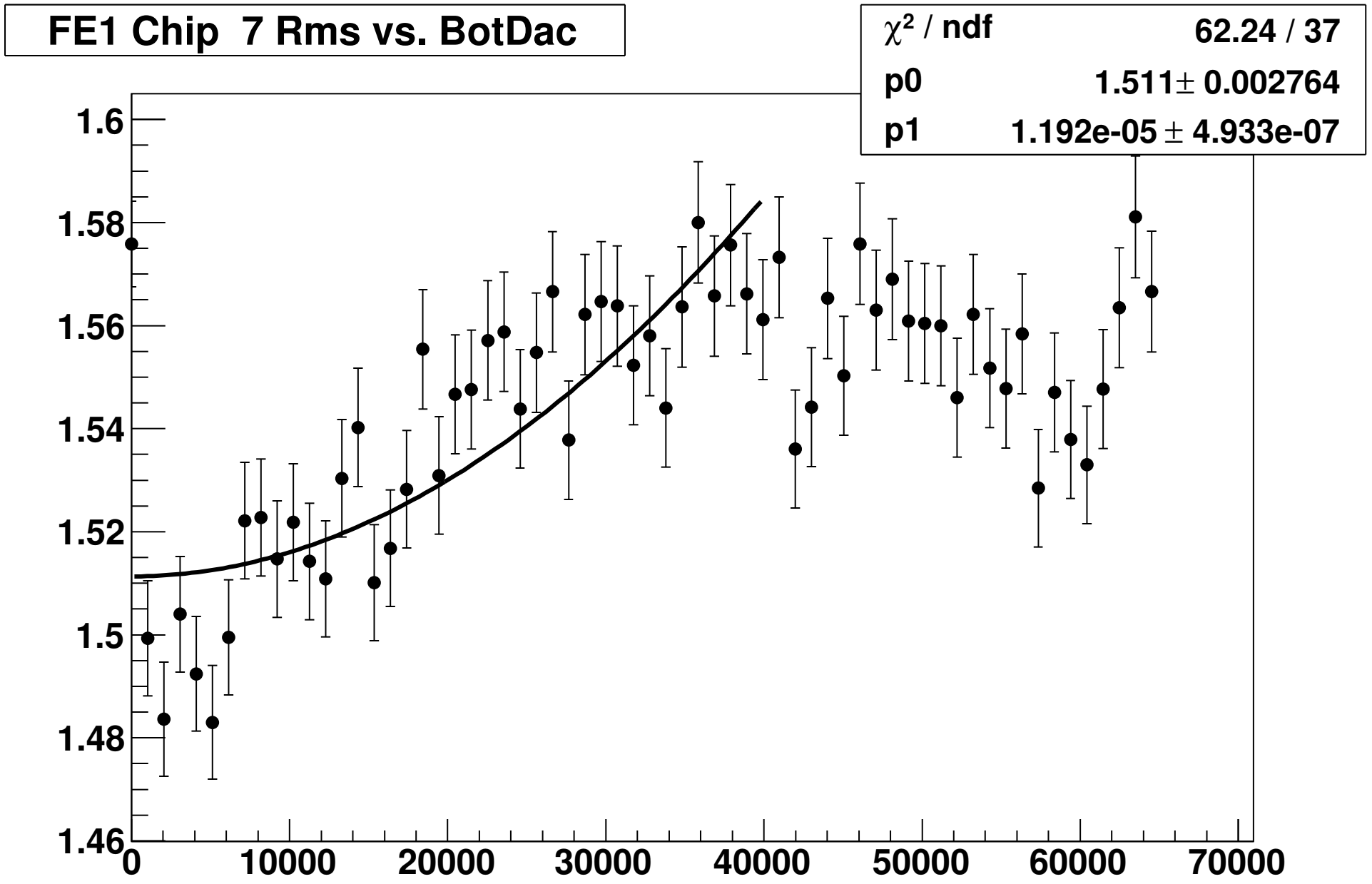
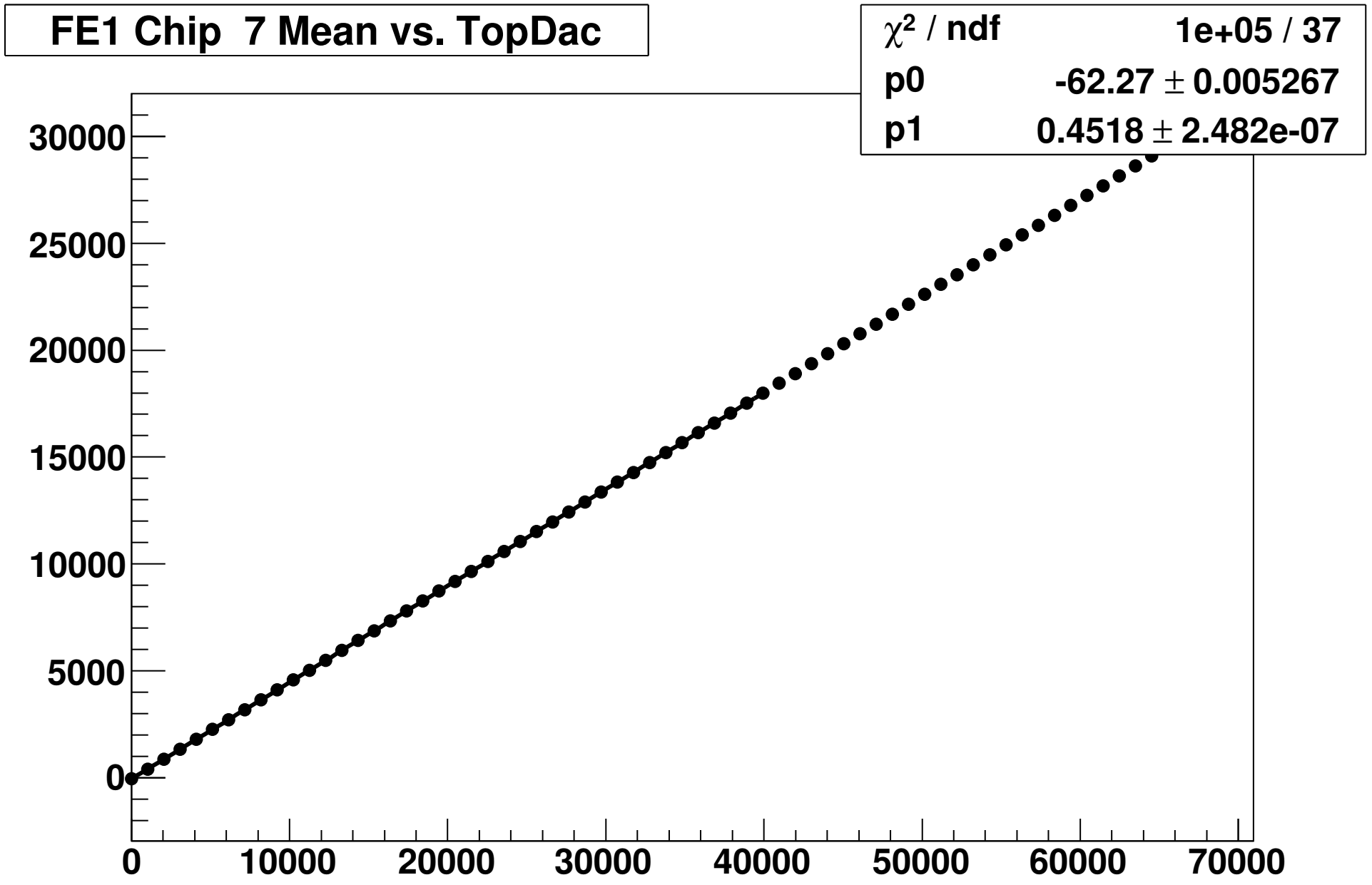
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 62.24 / 37
p0 1.511± 0.002764
p1 1.192e-05 ± 4.933e-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


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1e+05 / 37
p0 -62.27 ± 0.005267
p1 0.4518 ± 2.482e-07
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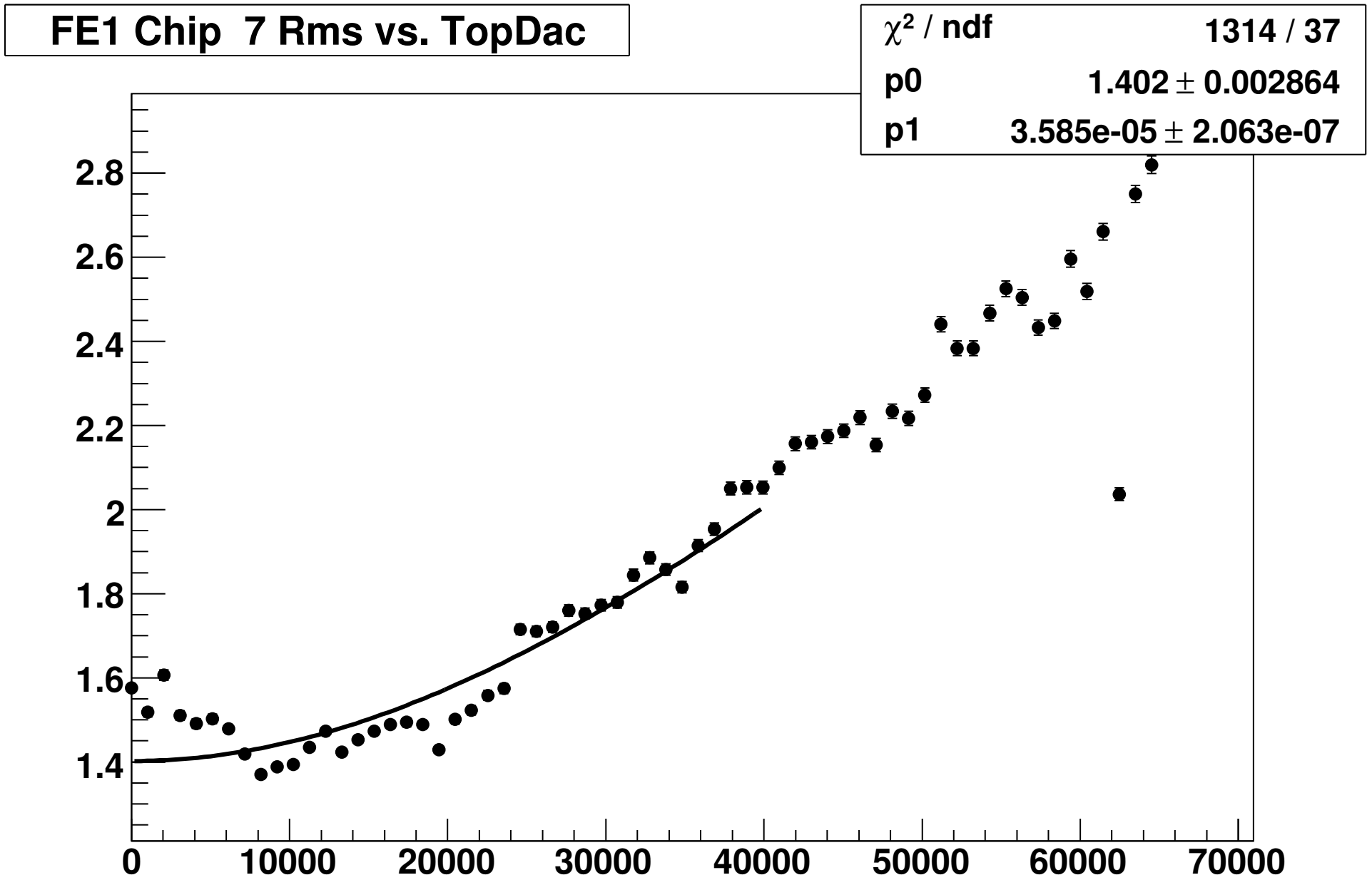
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1314 / 37
p0 1.402 ± 0.002864
p1 3.585e-05 ± 2.063e-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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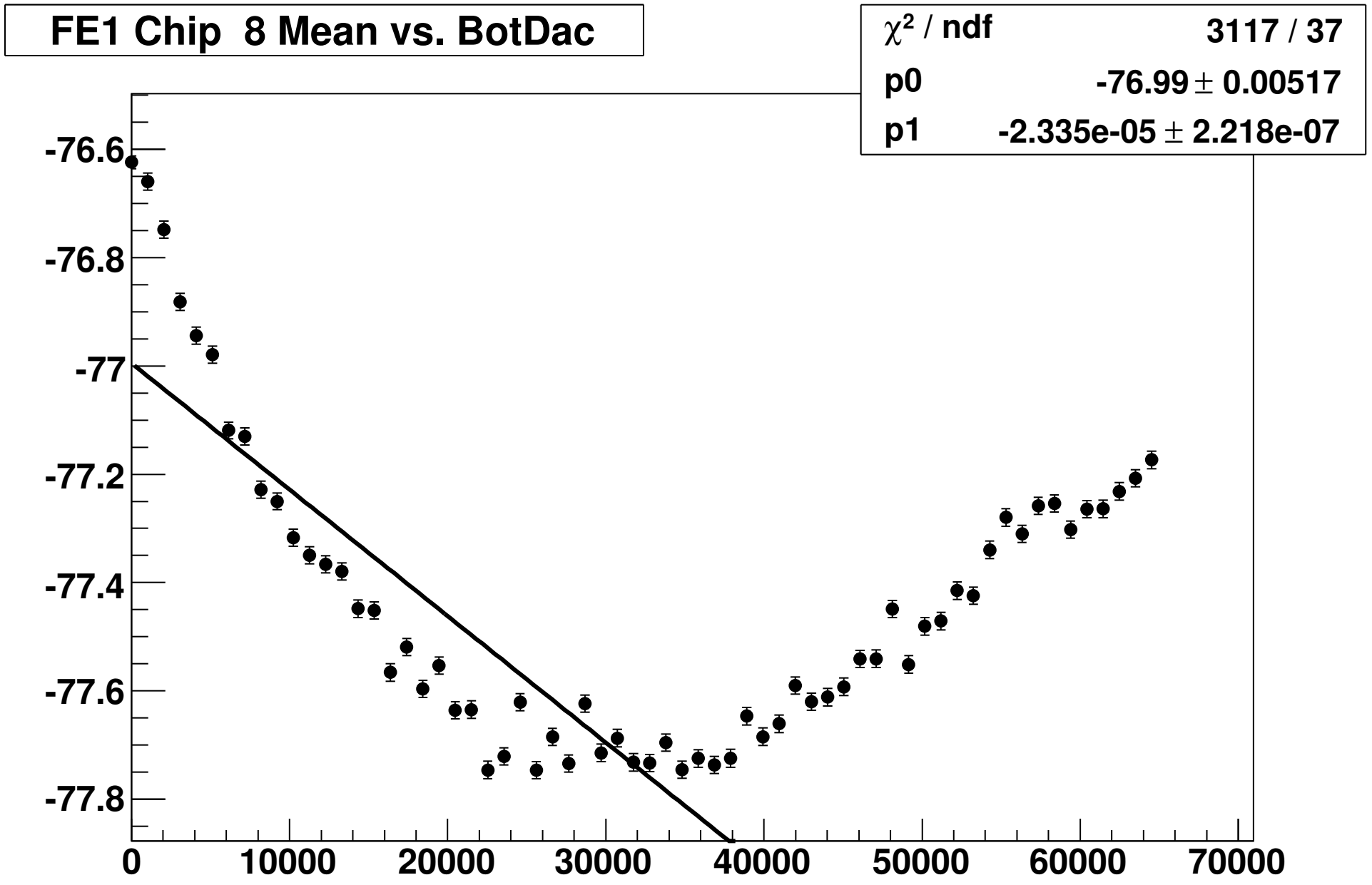
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 3117 / 37
p0 -76.99 ± 0.00517
p1 -2.335e-05 ± 2.218e-07
-76.6
-76.8
-77
-77.2
-77.4
-77.6
-77.8
0
10000
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60000
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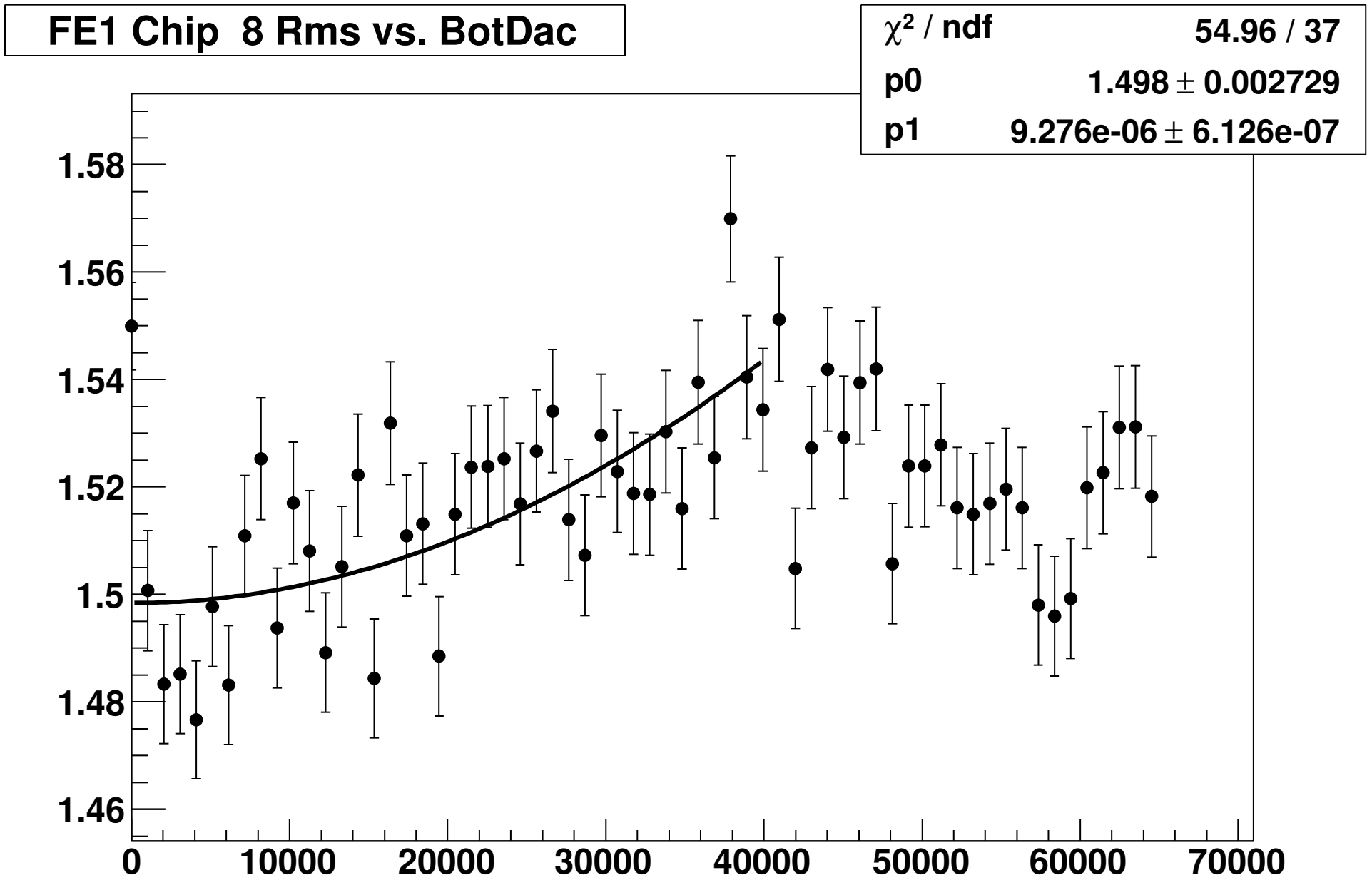
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 54.96 / 37
p0 1.498 ± 0.002729
p1 9.276e-06 ± 6.126e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
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10000
20000
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50000
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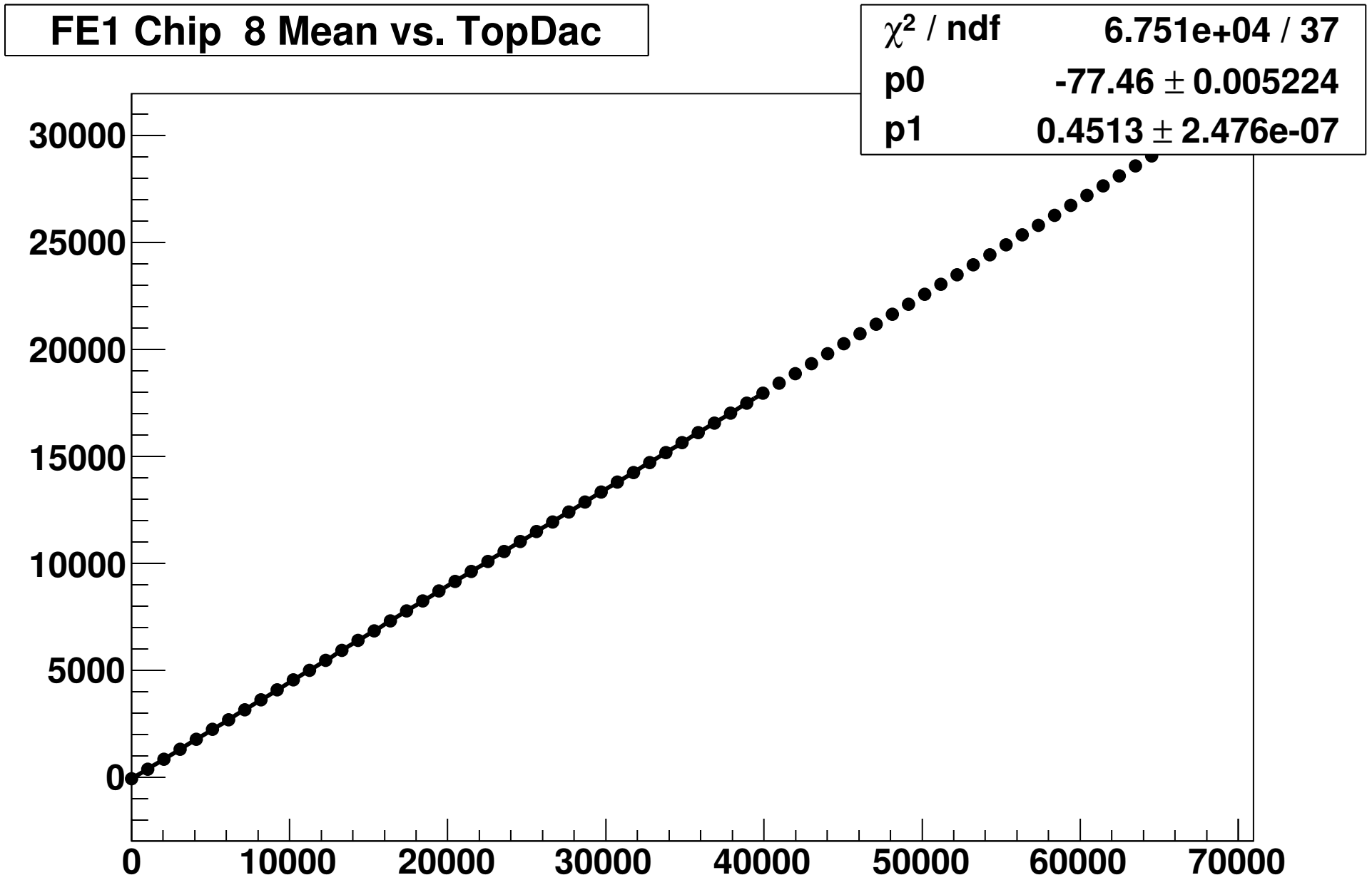
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 6.751e+04 / 37
p0 -77.46 ± 0.005224
p1 0.4513 ± 2.476e-07
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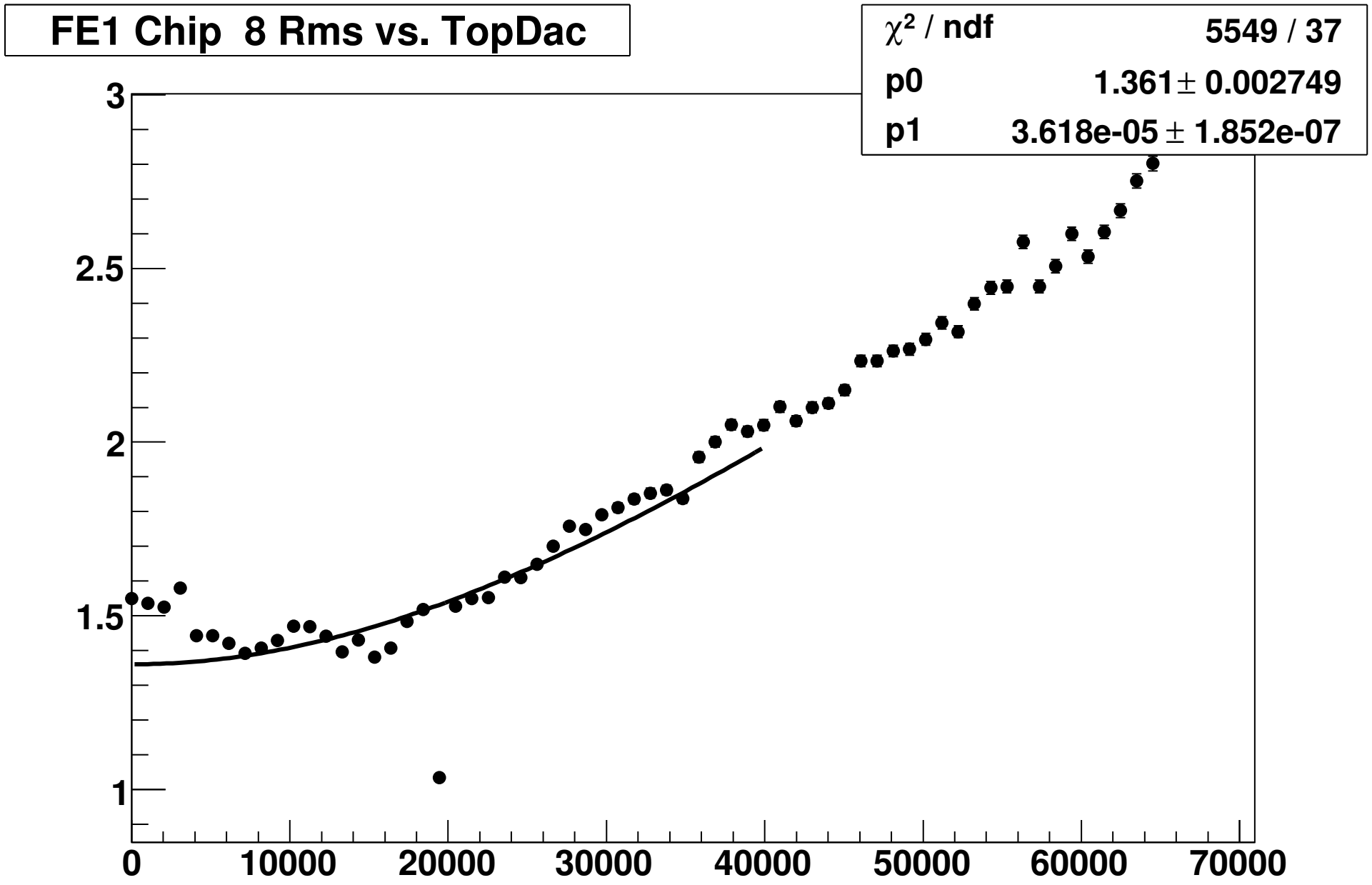
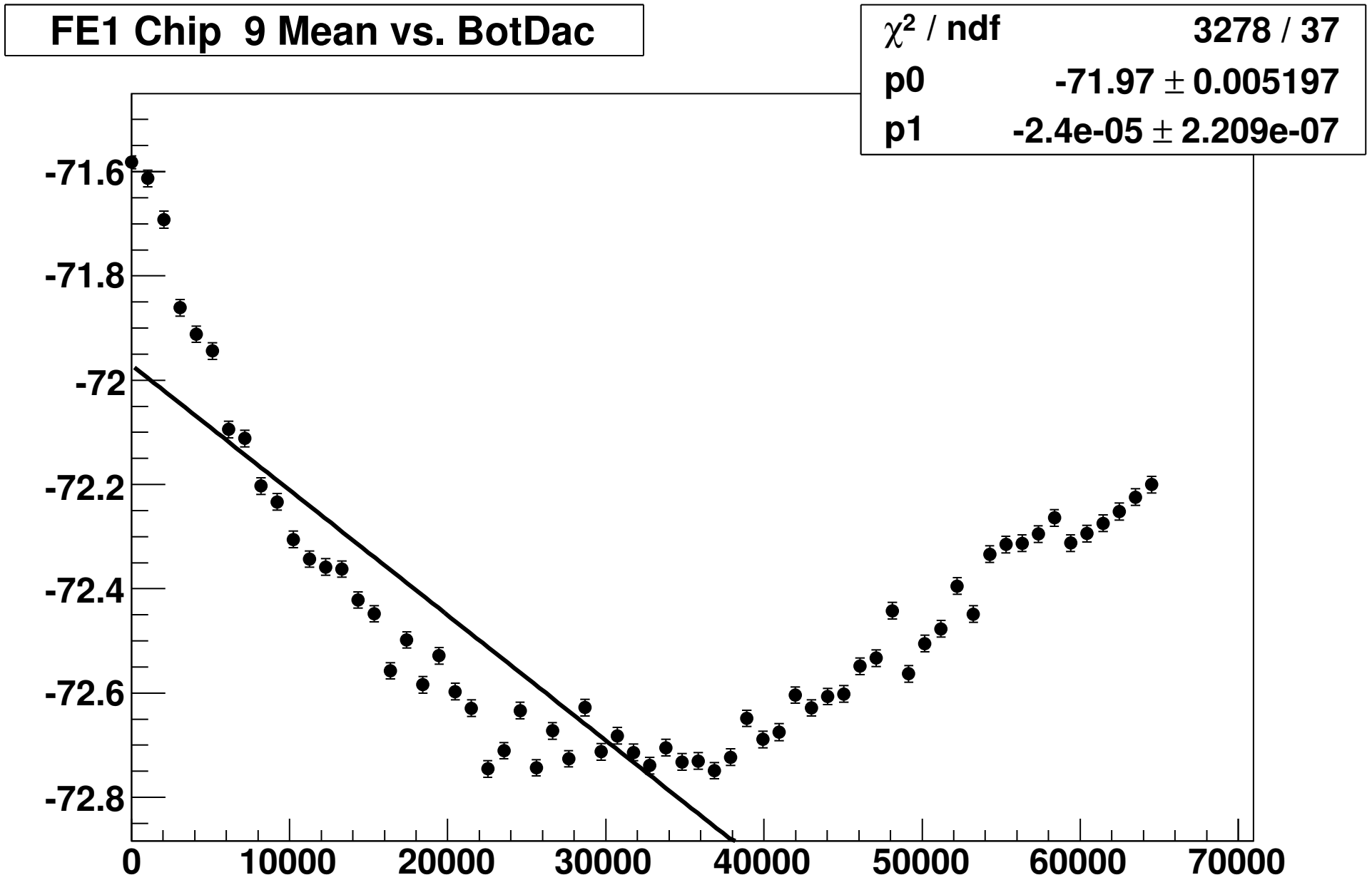
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 5549 / 37
p0 1.361 ± 0.002749
p1 3.618e-05 ± 1.852e-07
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 3278 / 37
p0 -71.97 ± 0.005197
p1 -2.4e-05 ± 2.209e-07
-71.6
-71.8
-72
-72.2
-72.4
-72.6
-72.8
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20000
30000
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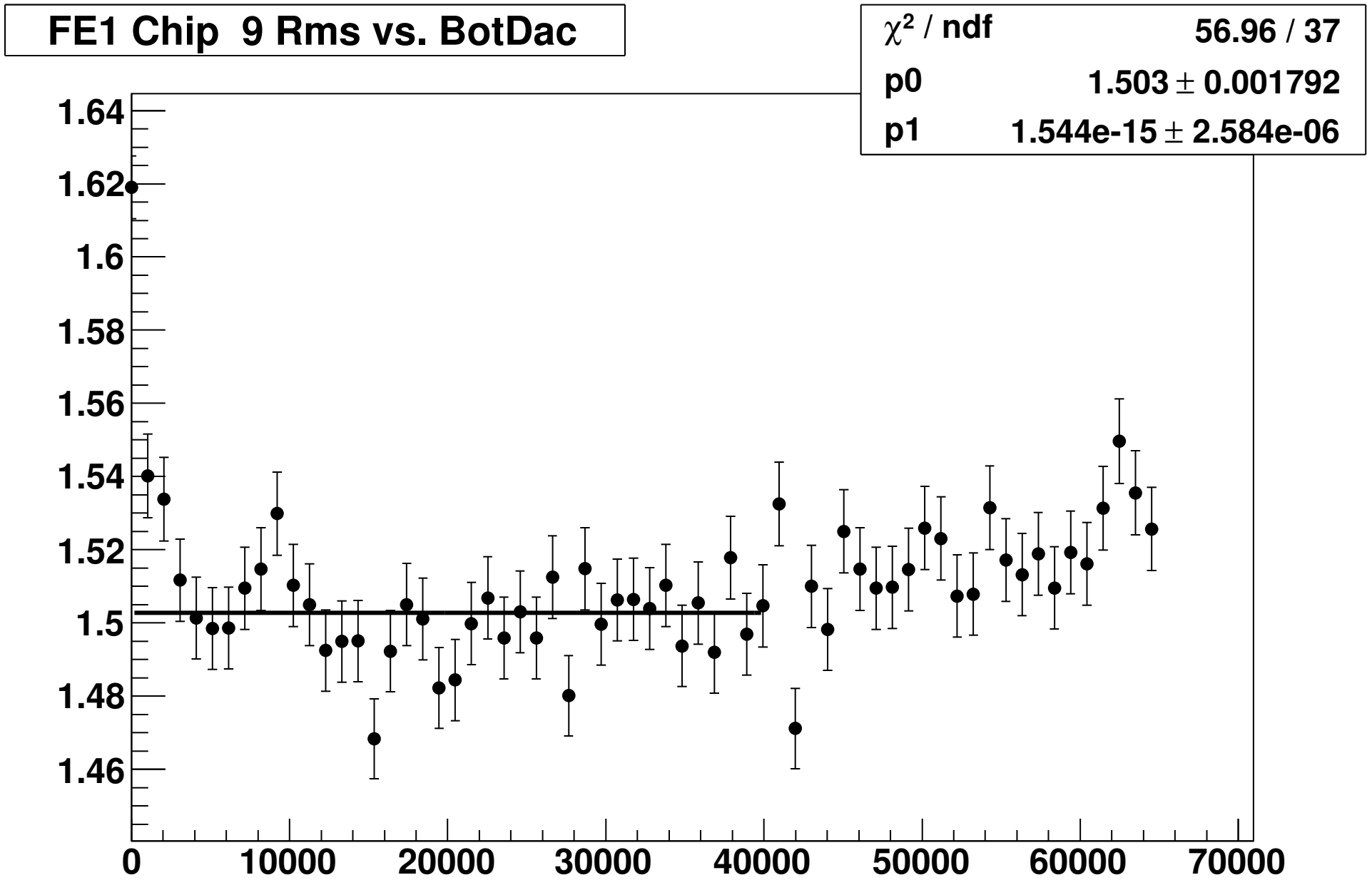
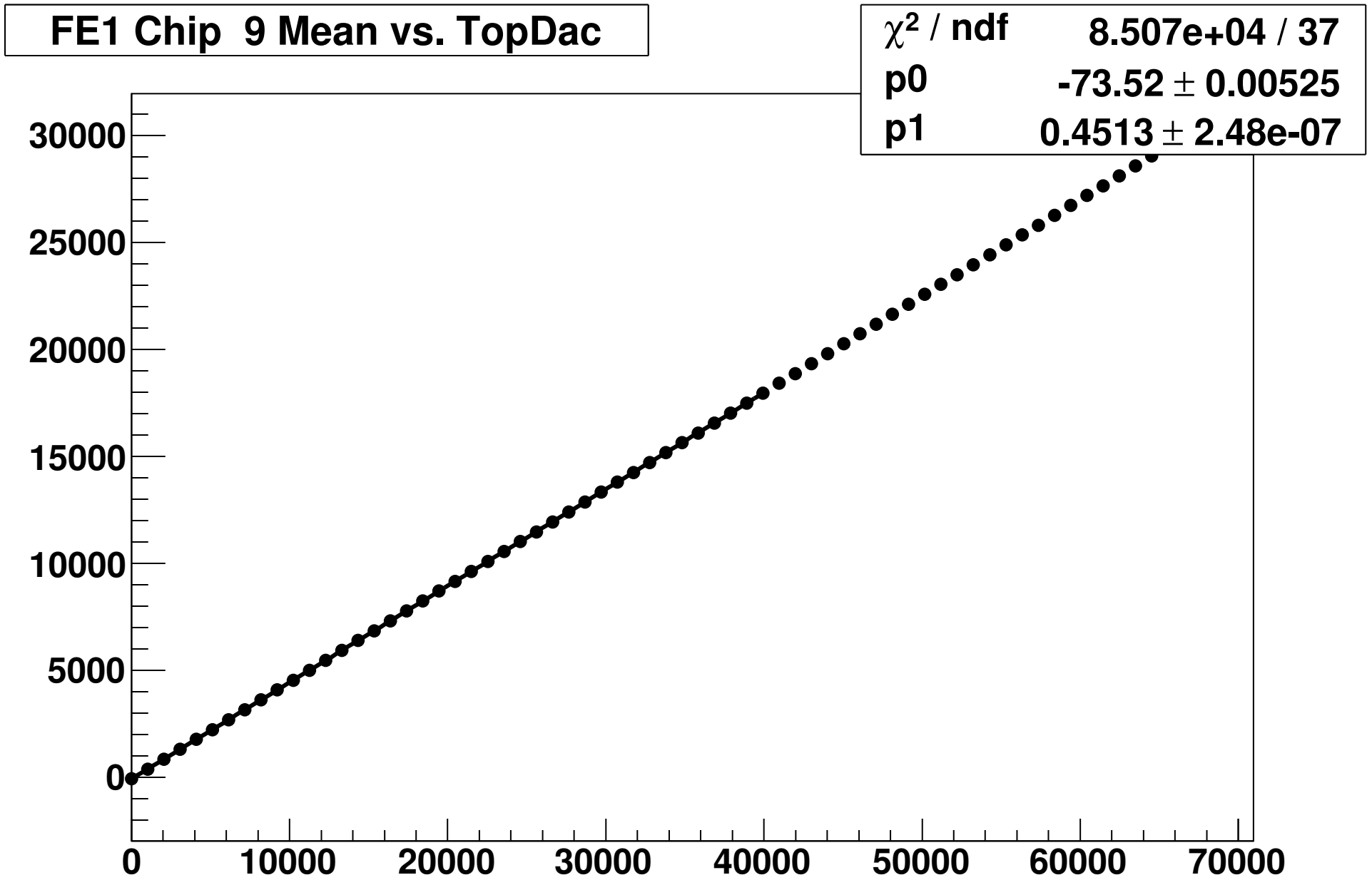
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 56.96 / 37
p0 1.503 ± 0.001792
p1 1.544e-15 ± 2.584e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 8.507e+04 / 37
p0 -73.52 ± 0.00525
p1 0.4513 ± 2.48e-07
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20000
15000
10000
5000
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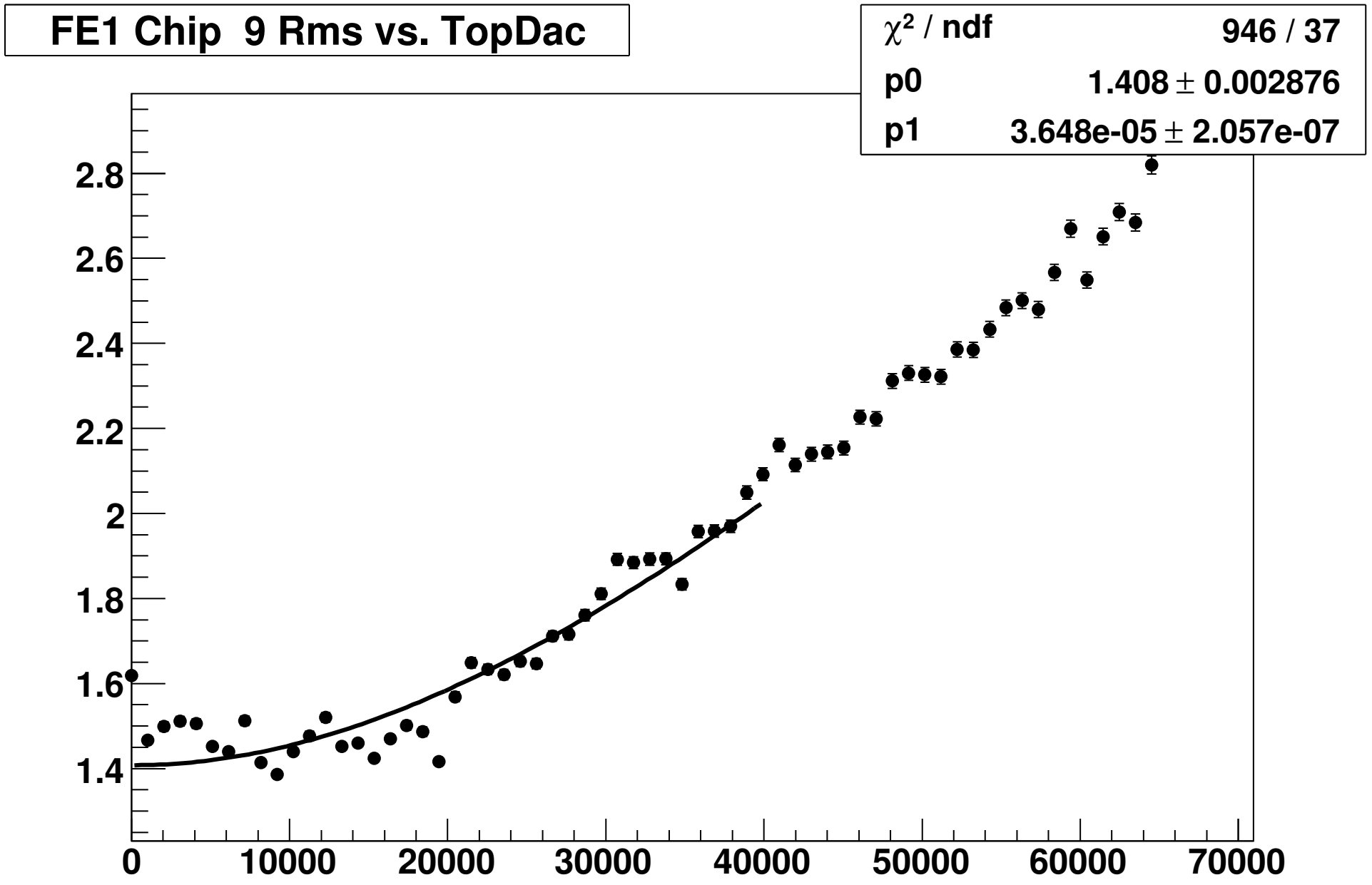
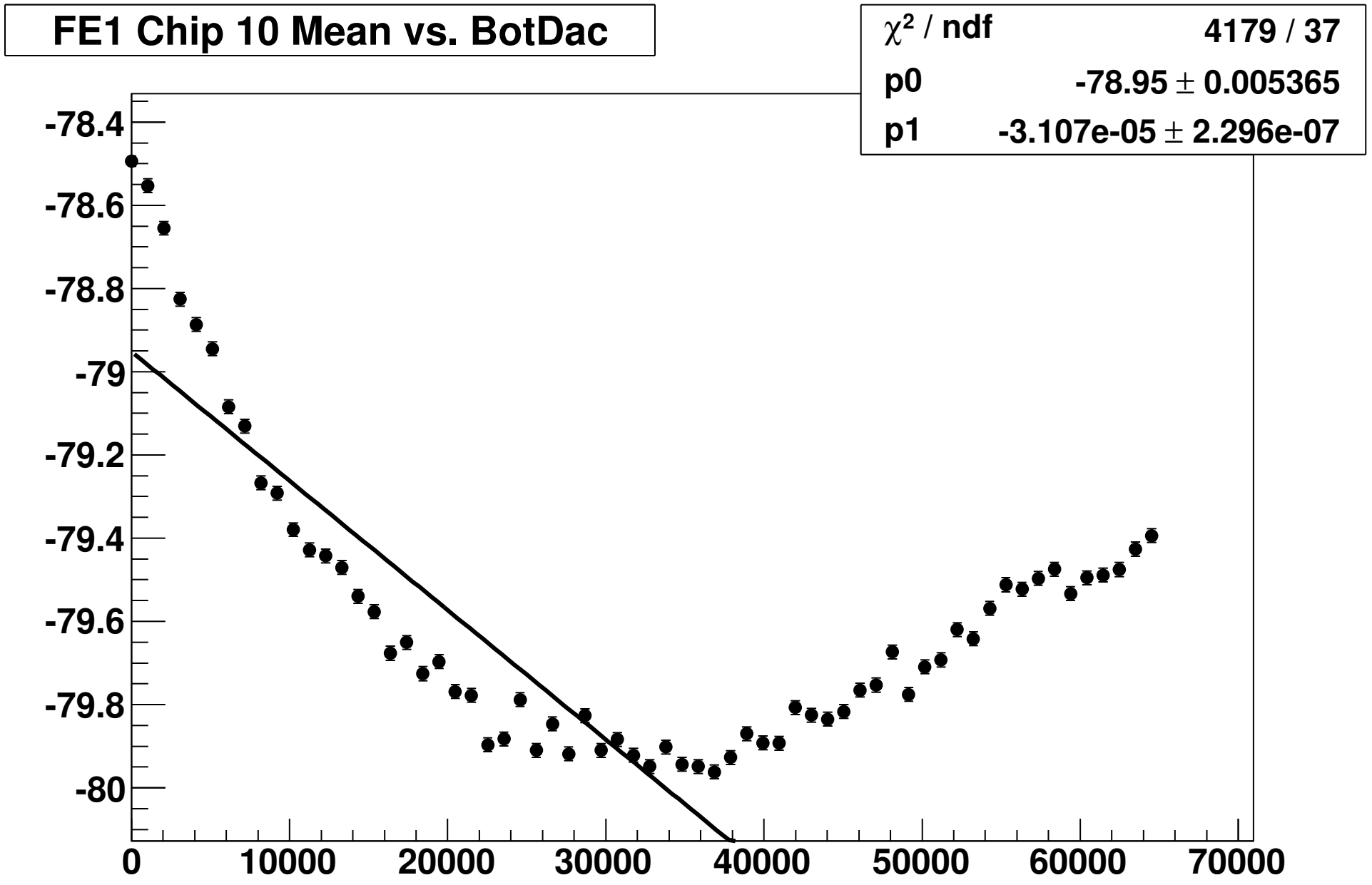
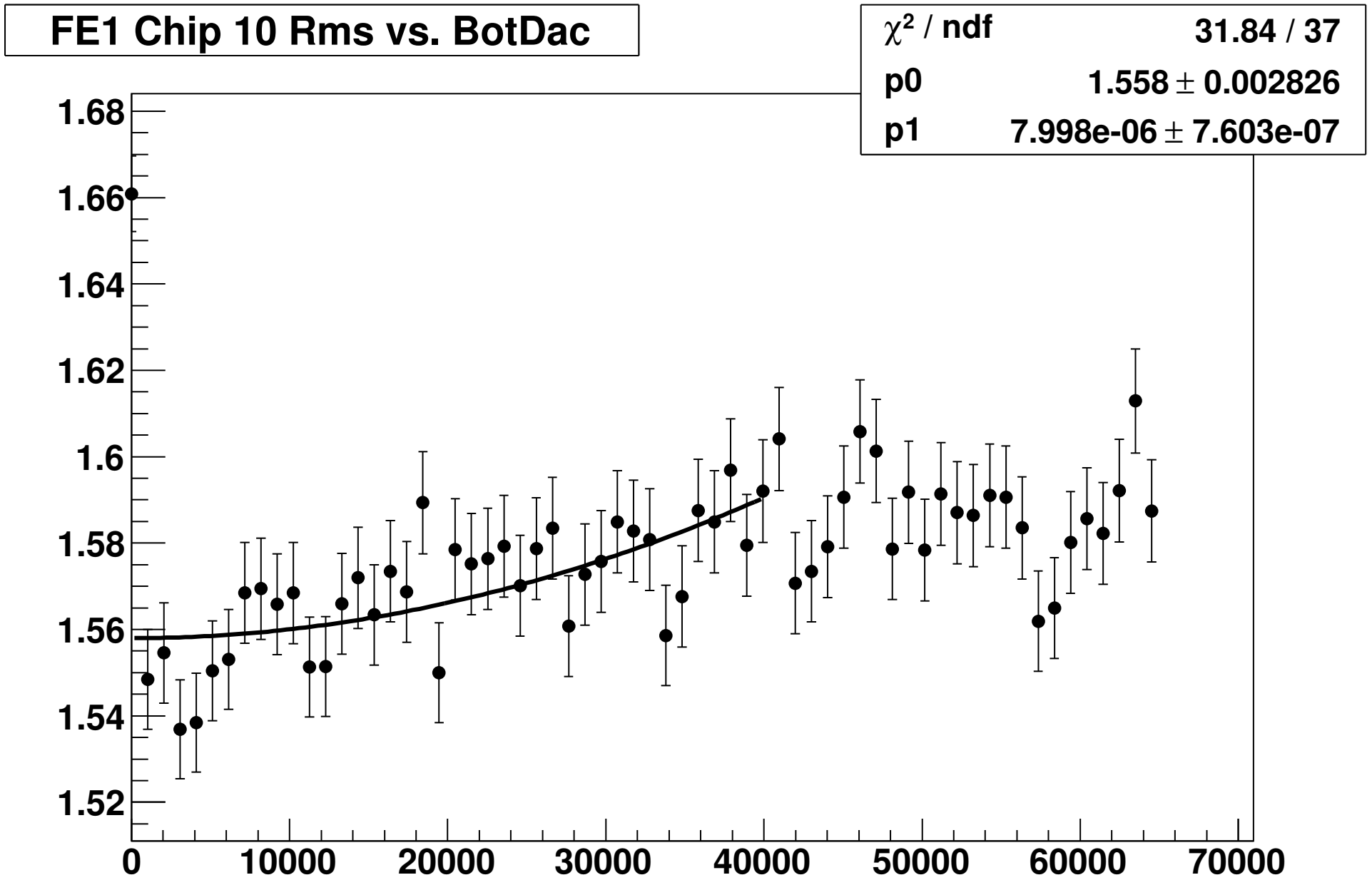
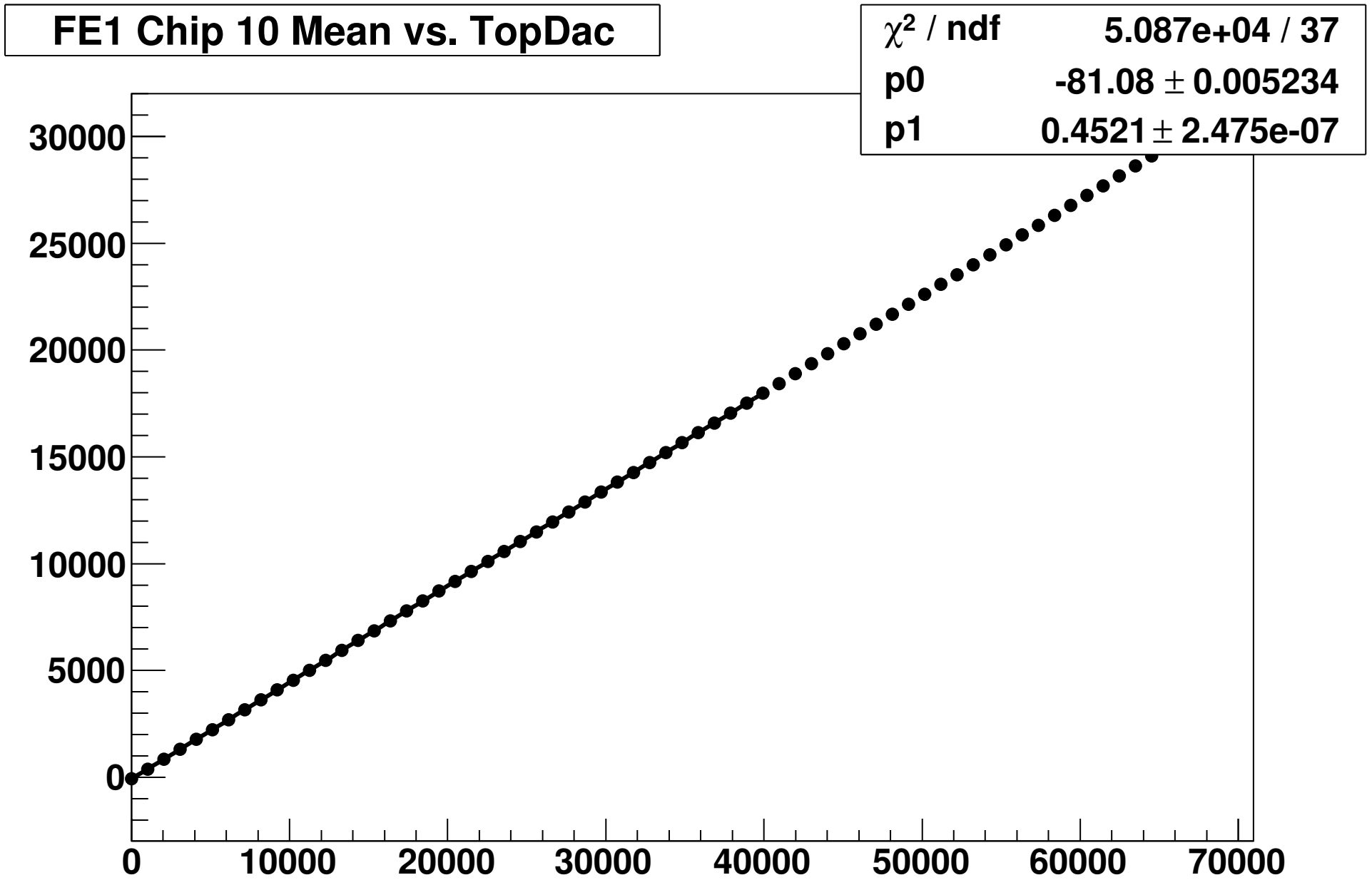
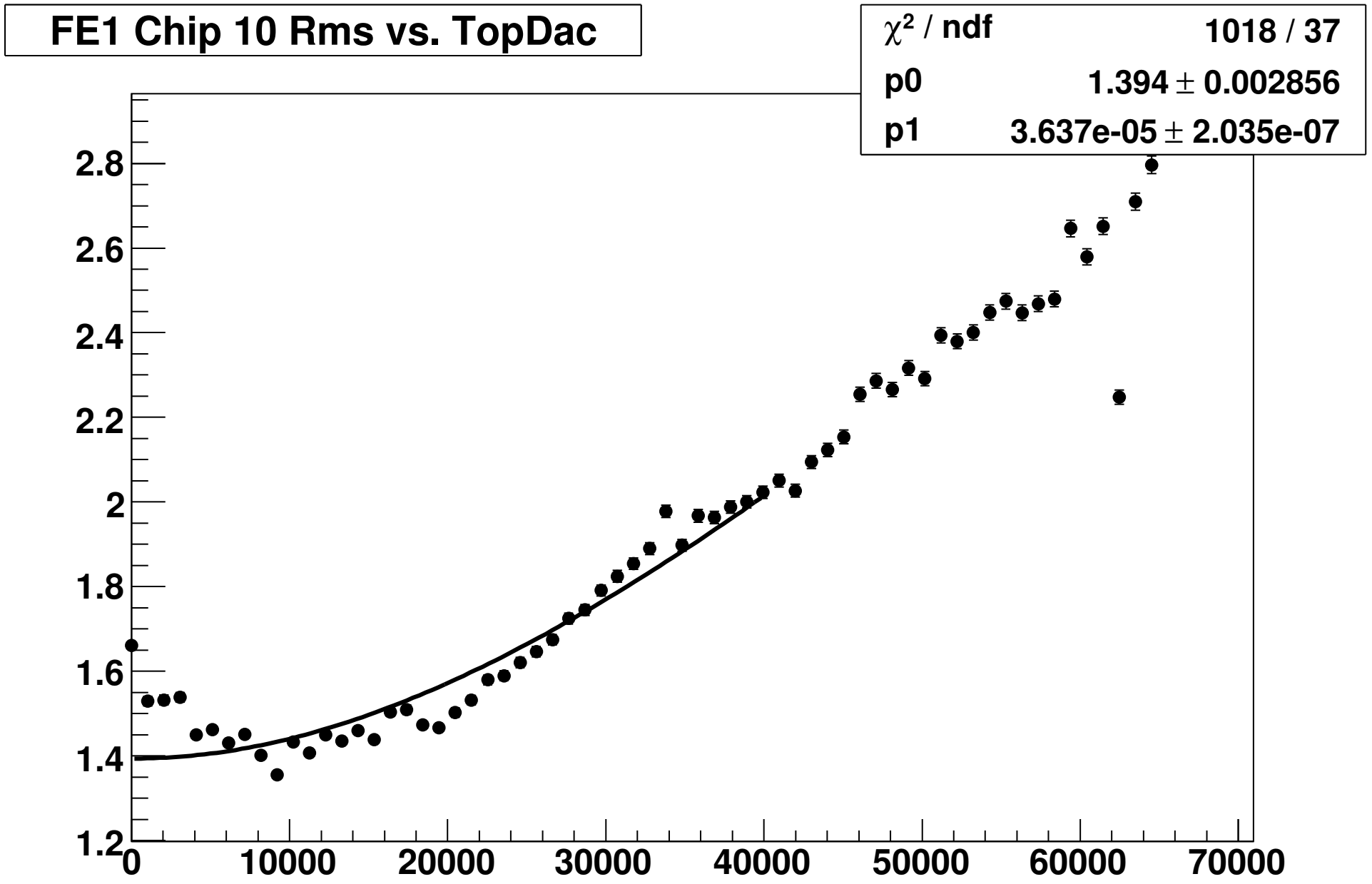
0
10000
20000
30000
40000
50000
60000
70000

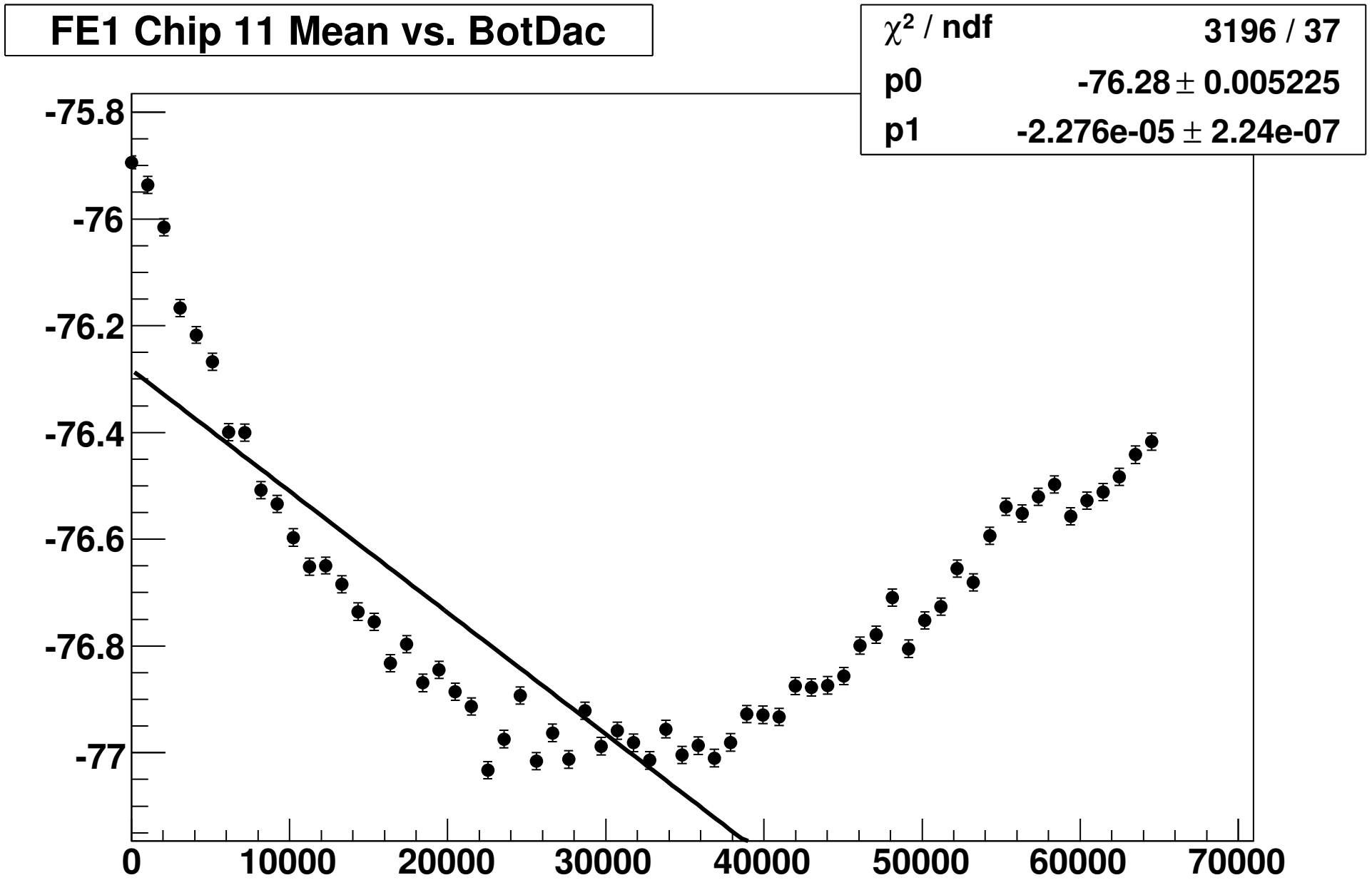

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 946 / 37
p0 1.408 ± 0.002876
p1 3.648e-05 ± 2.057e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 4179 / 37
p0 -78.95 ± 0.005365
p1 -3.107e-05 ± 2.296e-07
-78.4
-78.6
-78.8
-79
-79.2
-79.4
-79.6
-79.8
-80
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 31.84 / 37
p0 1.558 ± 0.002826
p1 7.998e-06 ± 7.603e-07
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 5.087e+04 / 37
p0 -81.08 ± 0.005234
p1 0.4521 ± 2.475e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1018 / 37
p0 1.394 ± 0.002856
p1 3.637e-05 ± 2.035e-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 11 Mean vs. BotDac
χ² / ndf 3196 / 37
p0 -76.28 ± 0.005225
p1 -2.276e-05 ± 2.24e-07
-75.8
-76
-76.2
-76.4
-76.6
-76.8
-77
0
10000
20000
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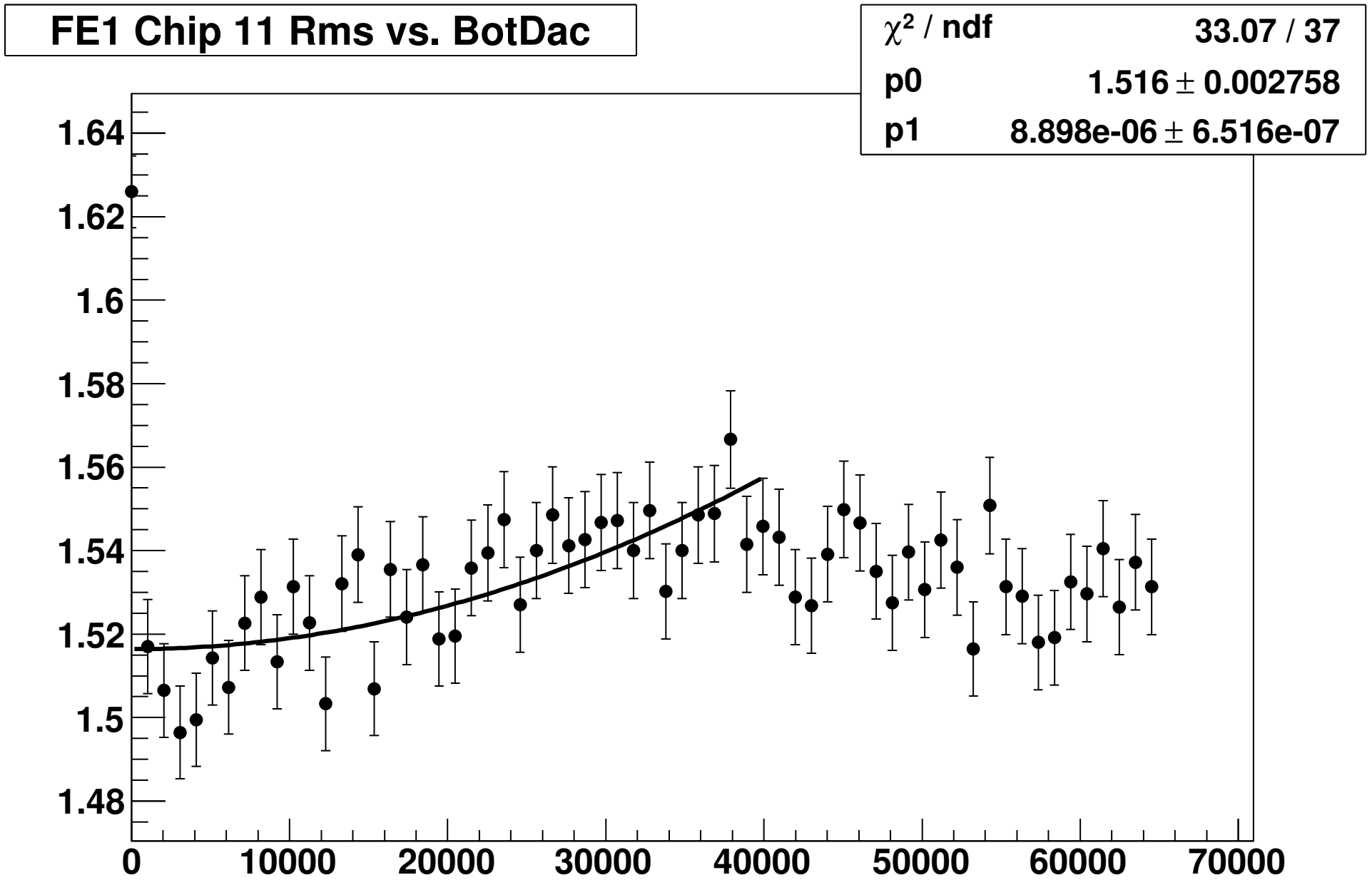
FE1 Chip 11 Rms vs. BotDac
χ² / ndf 33.07 / 37
p0 1.516 ± 0.002758
p1 8.898e-06 ± 6.516e-07
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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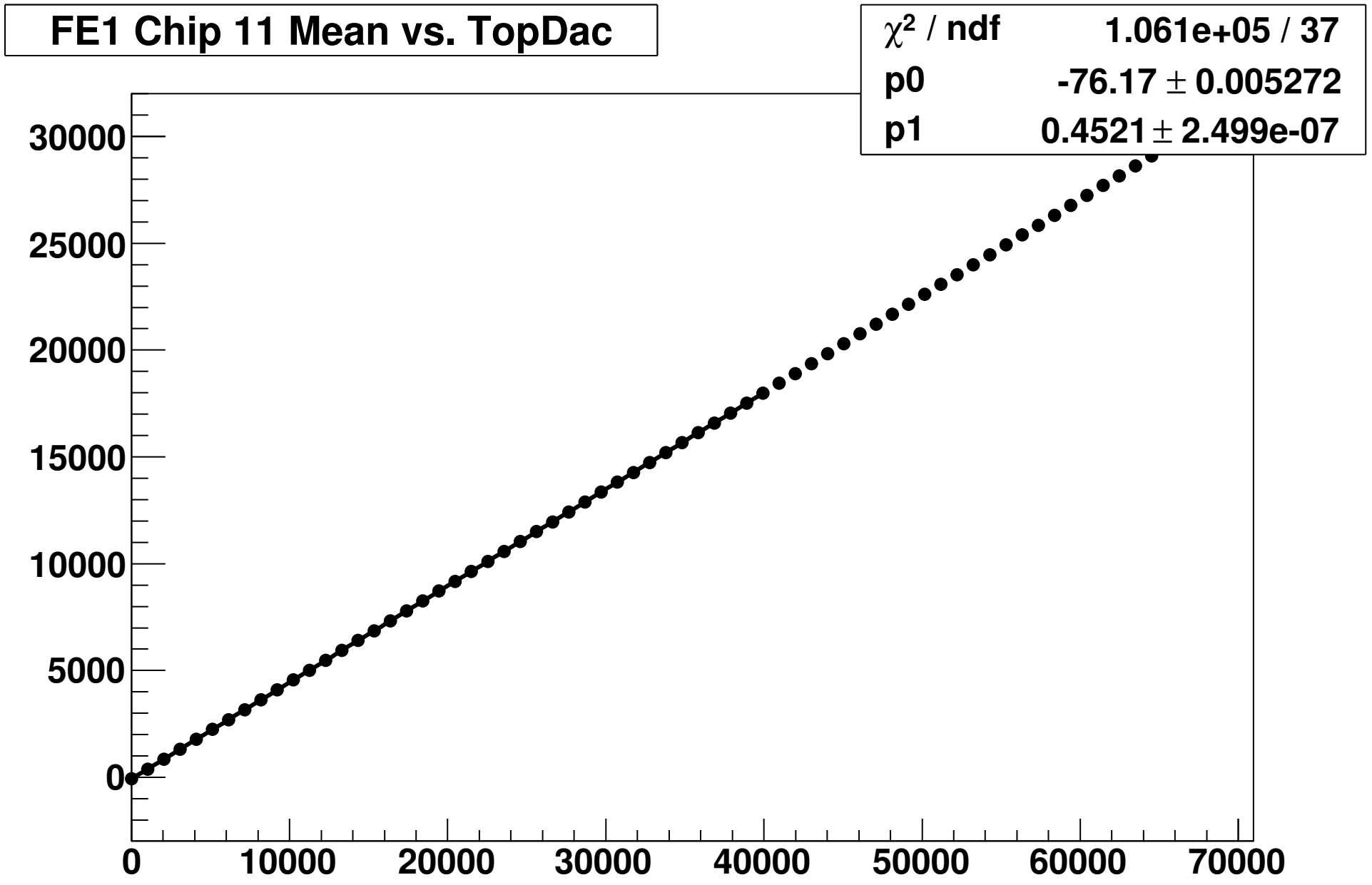
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.061e+05 / 37
p0 -76.17 ± 0.005272
p1 0.4521 ± 2.499e-07
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25000
20000
15000
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5000
0
0
10000
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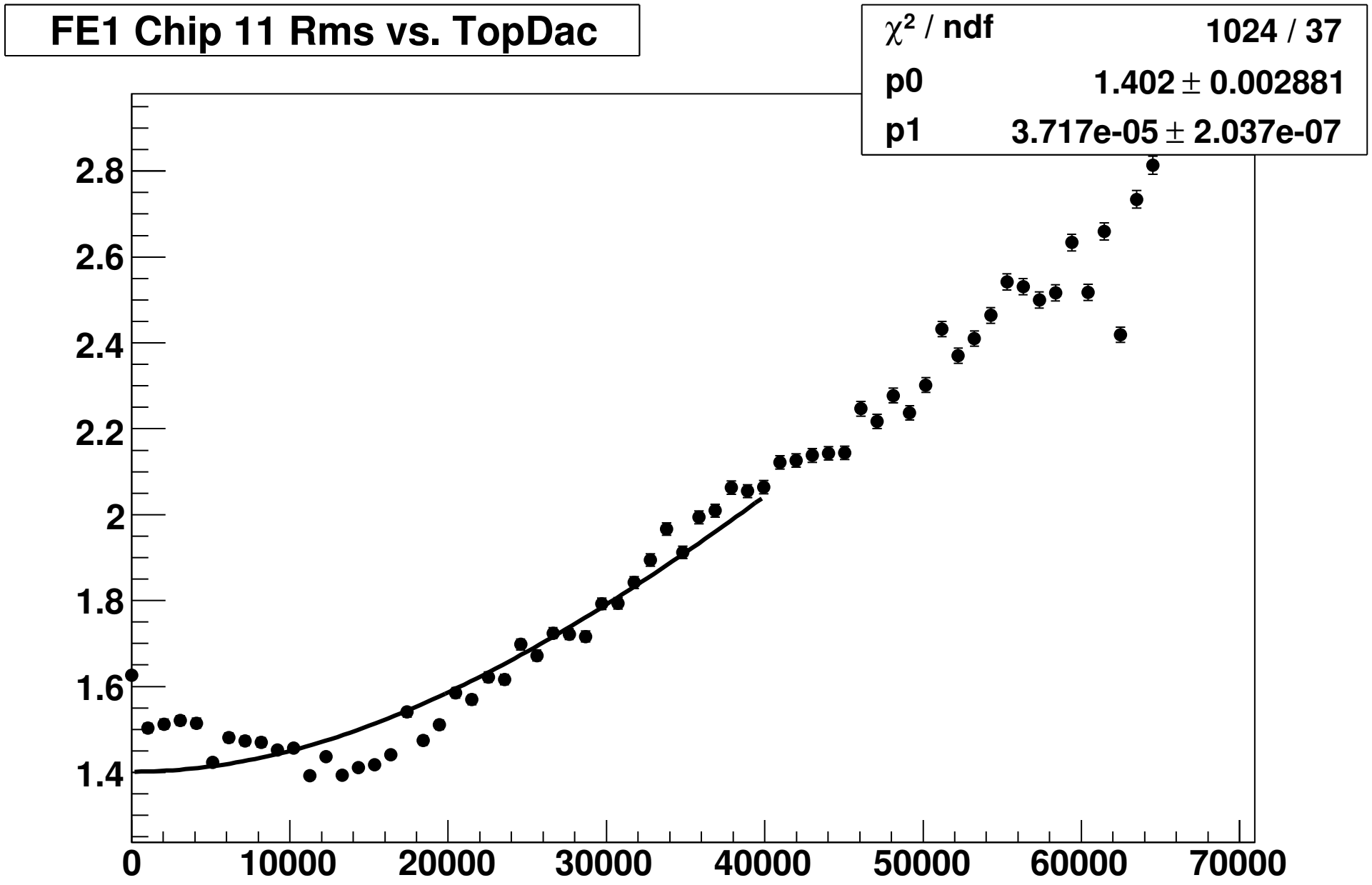
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1024 / 37
p0 1.402 ± 0.002881
p1 3.717e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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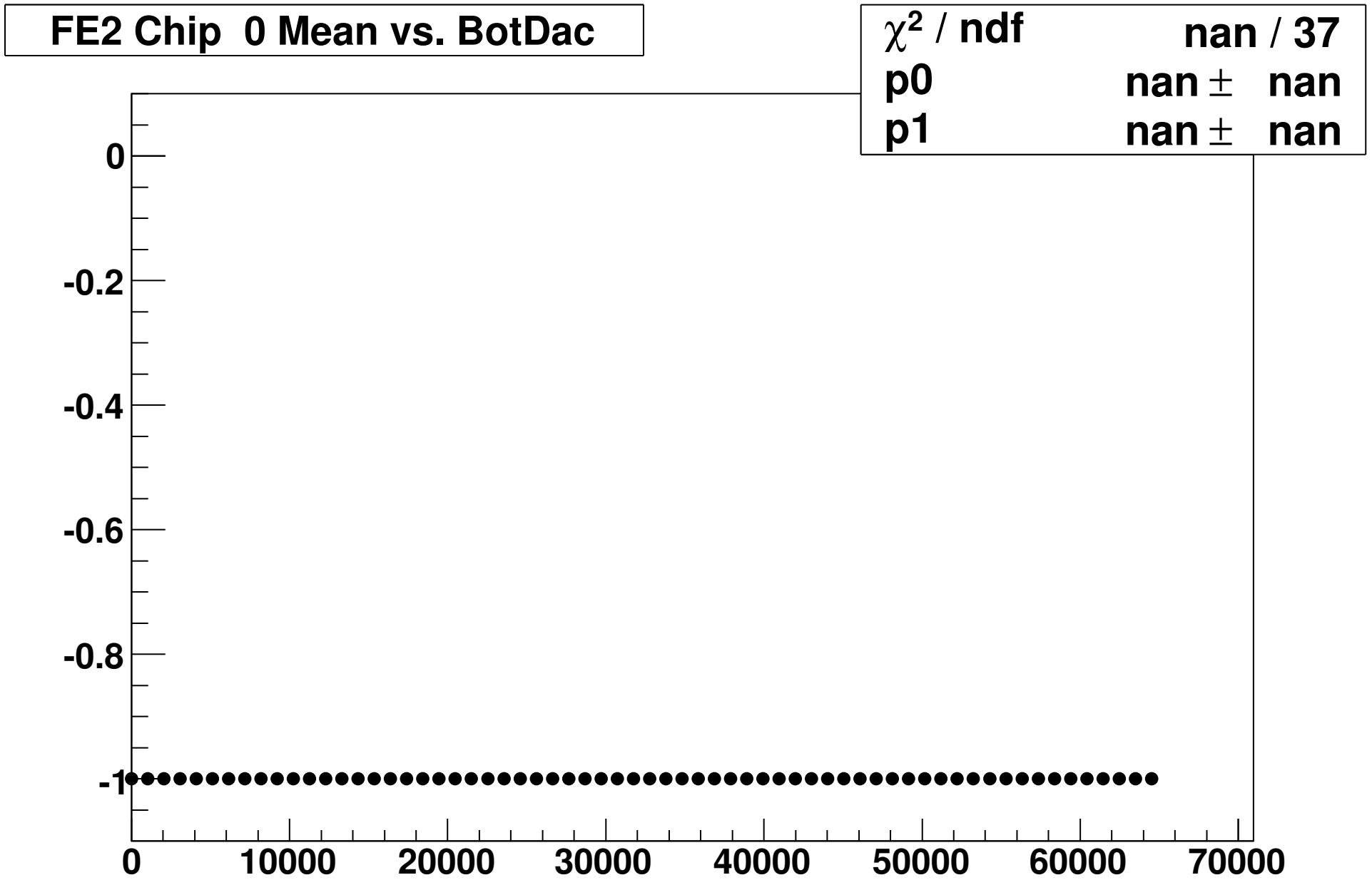
FE2 Chip 0 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
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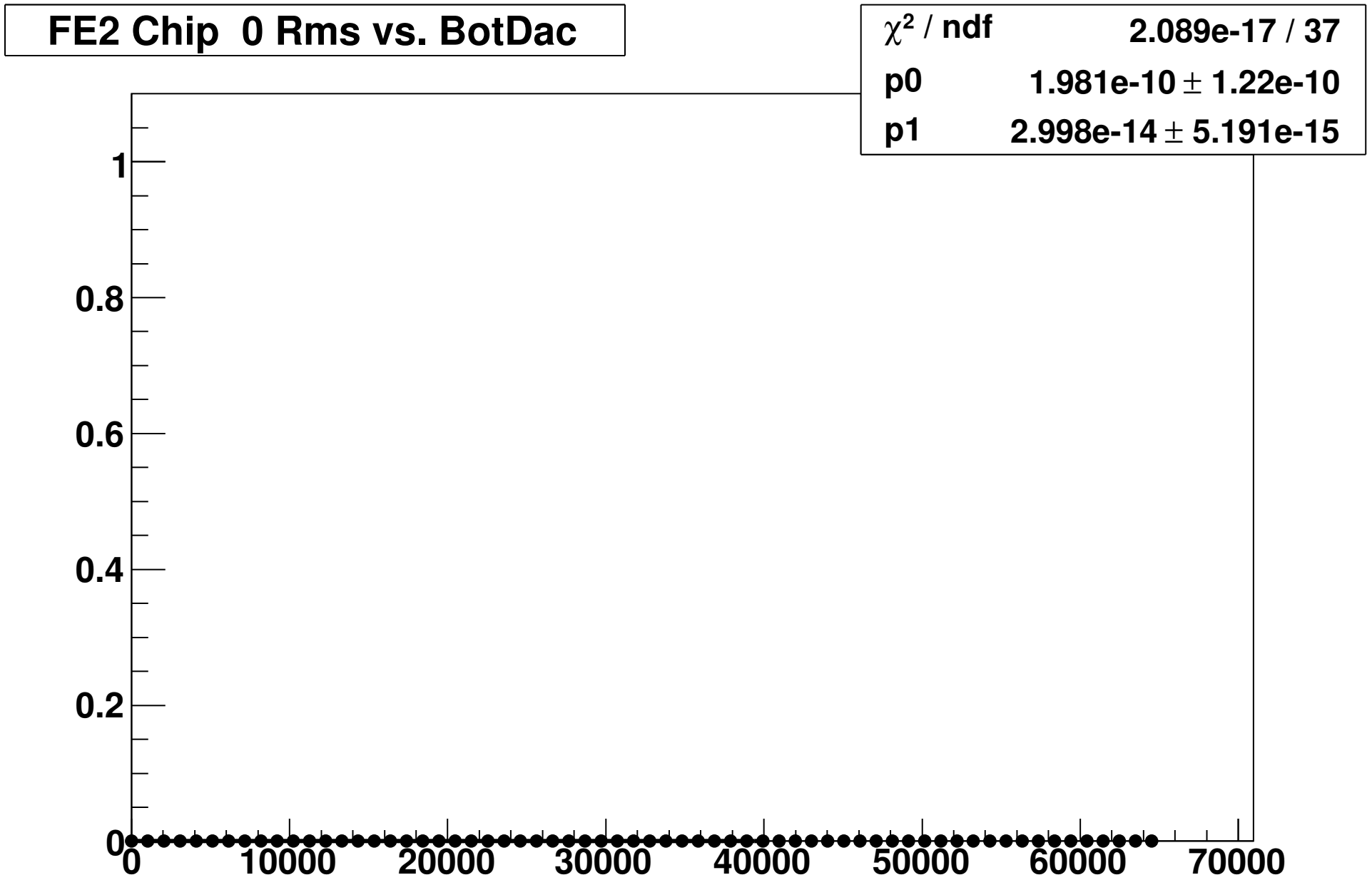
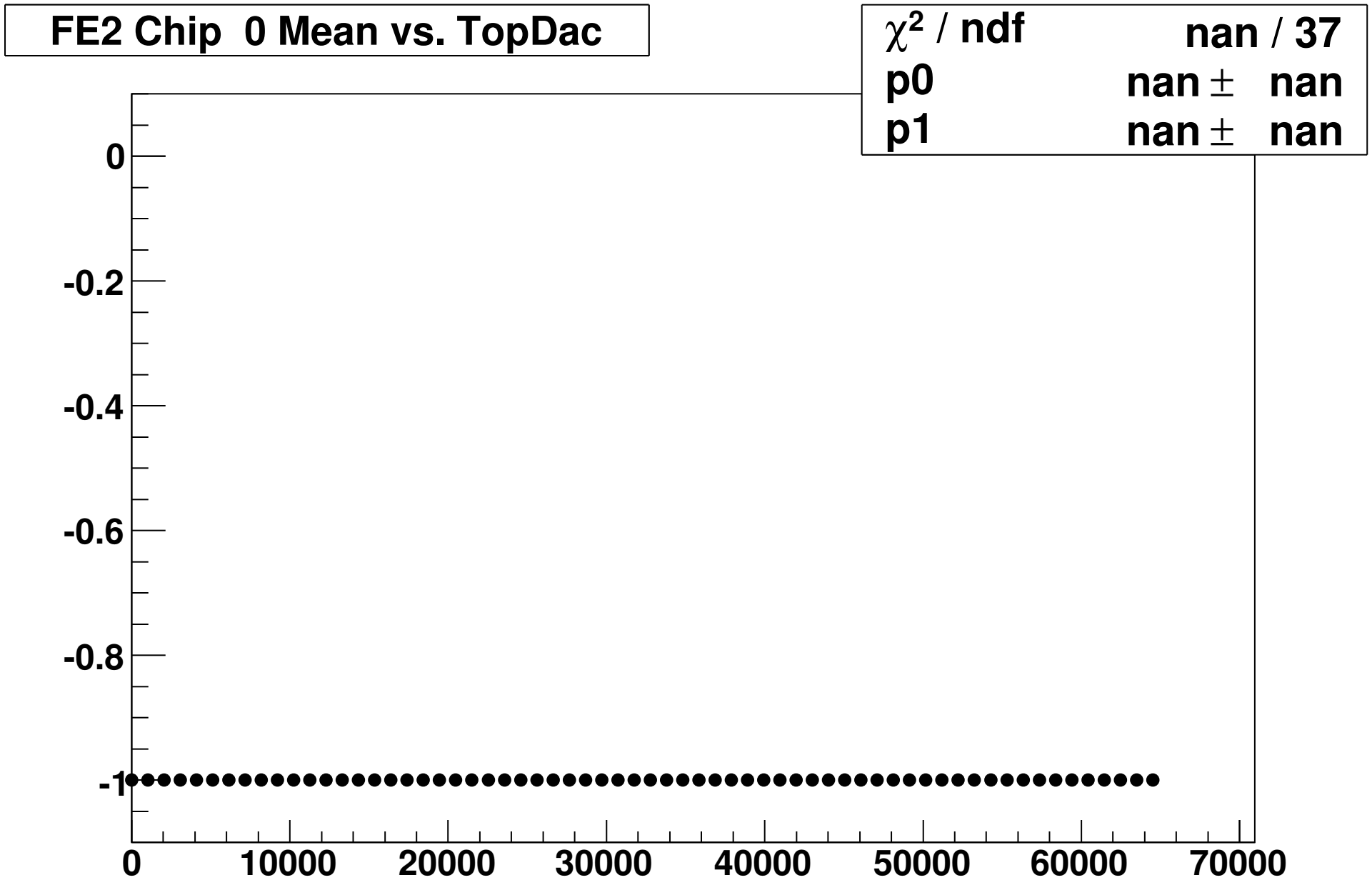
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
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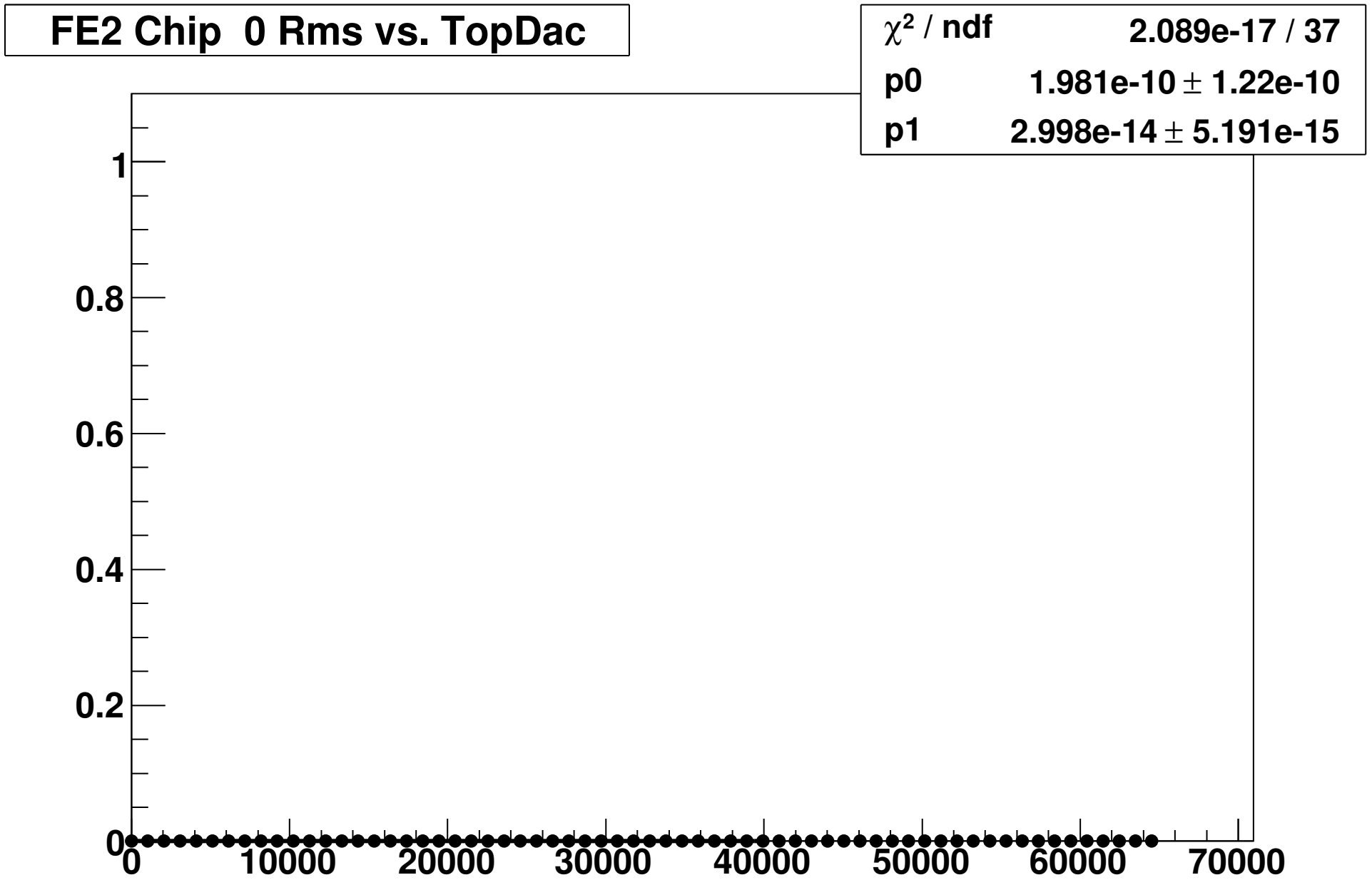
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
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60000
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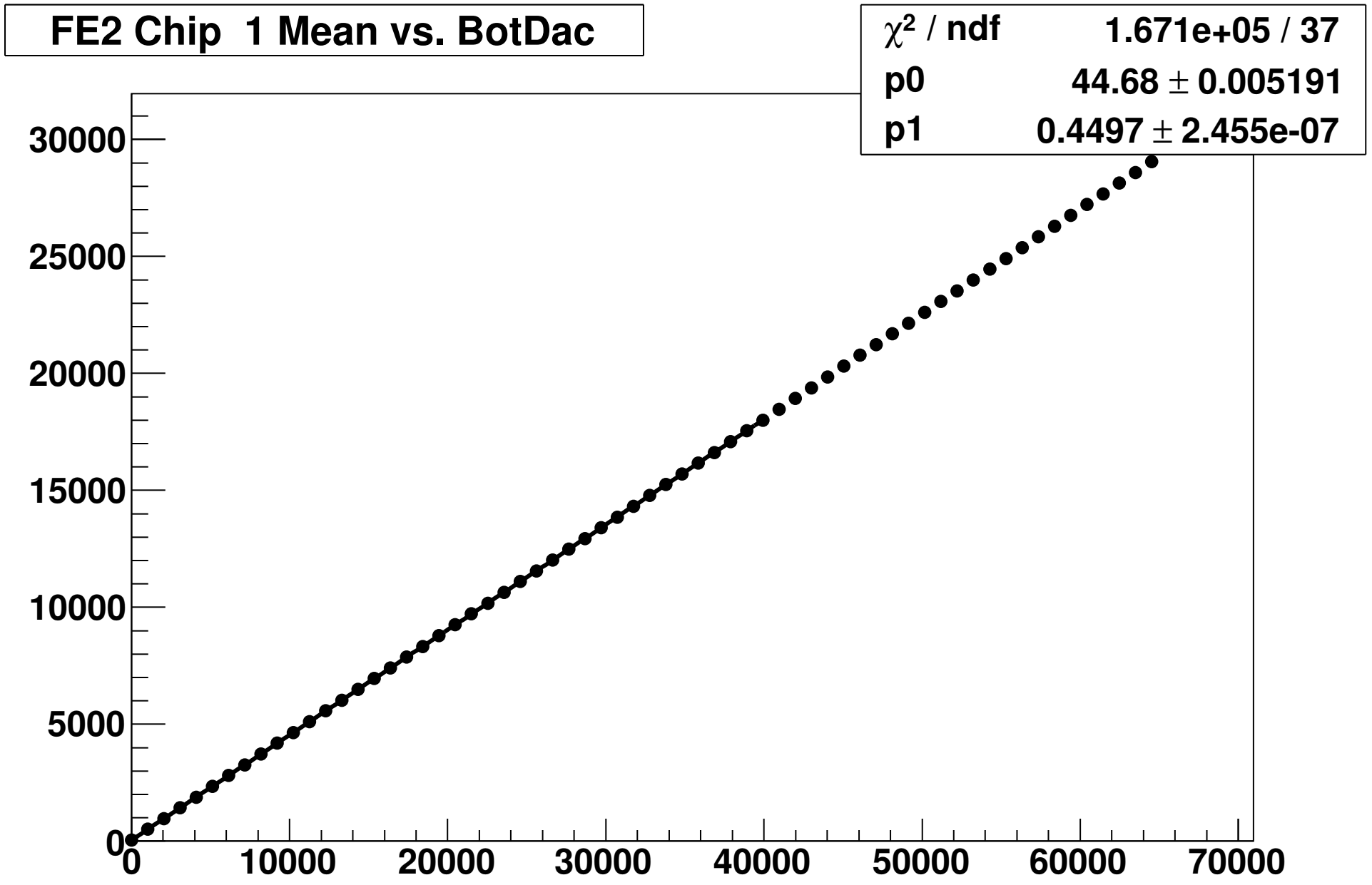
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.671e+05 / 37
p0 44.68 ± 0.005191
p1 0.4497 ± 2.455e-07
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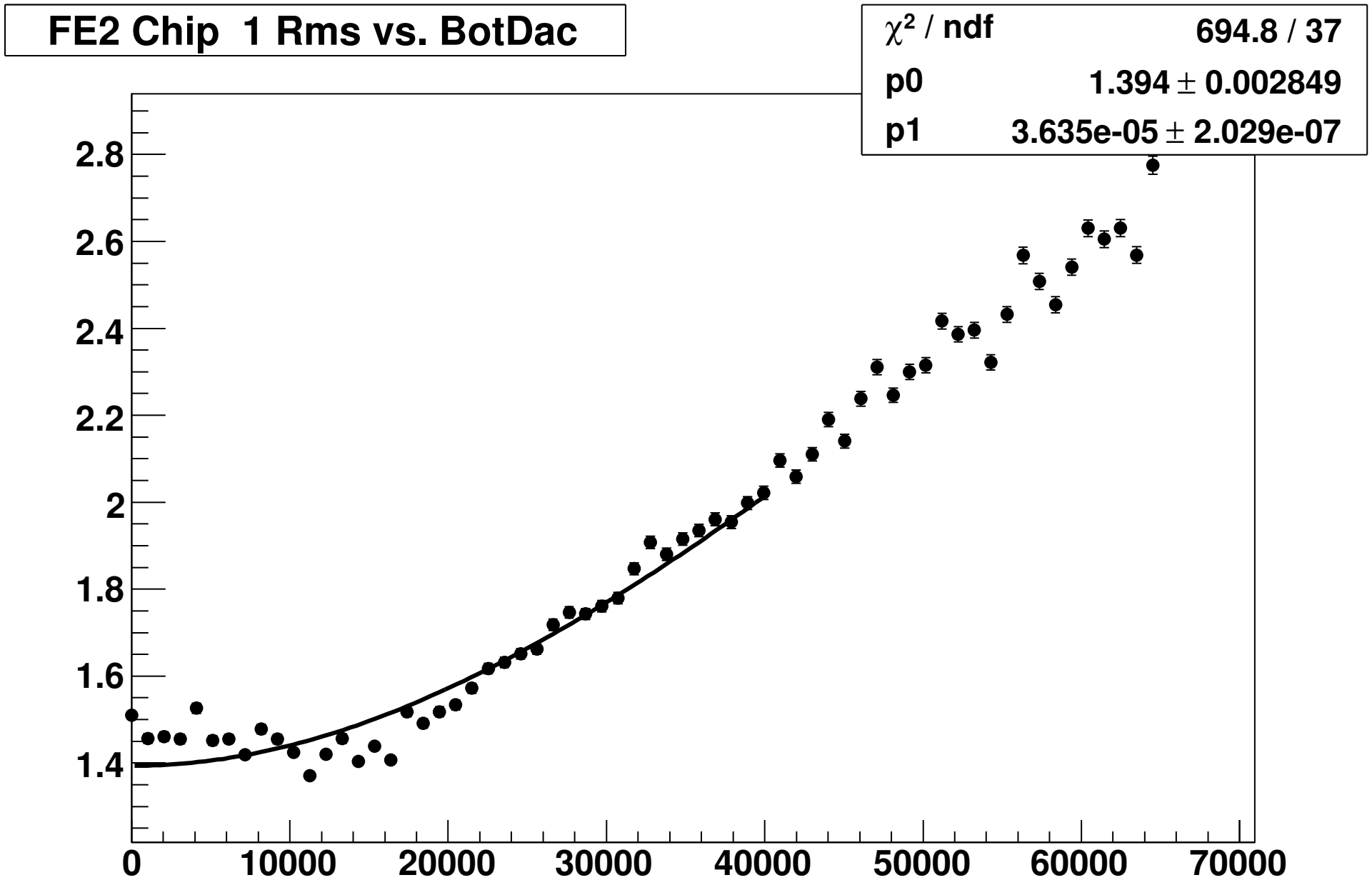
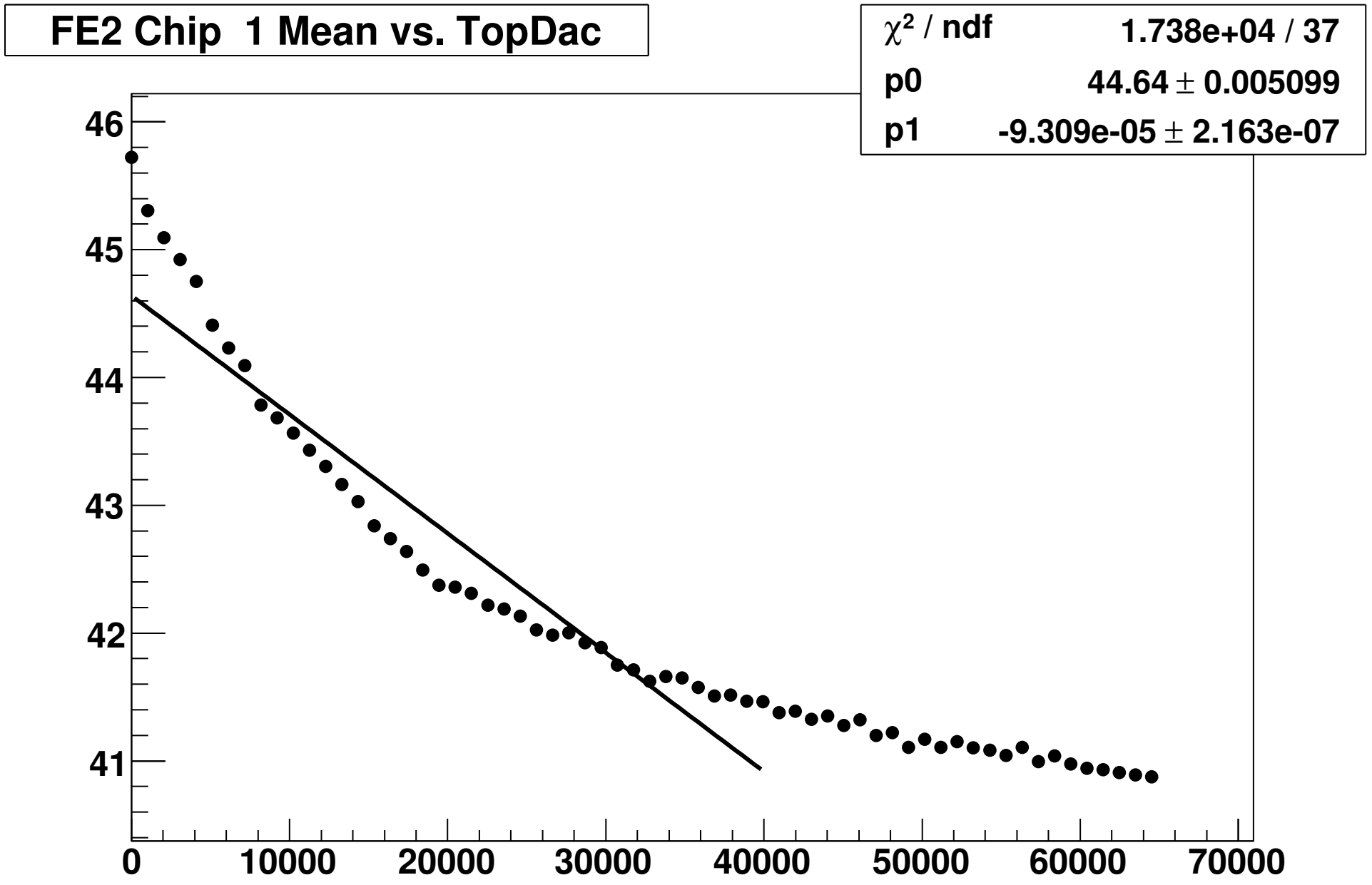
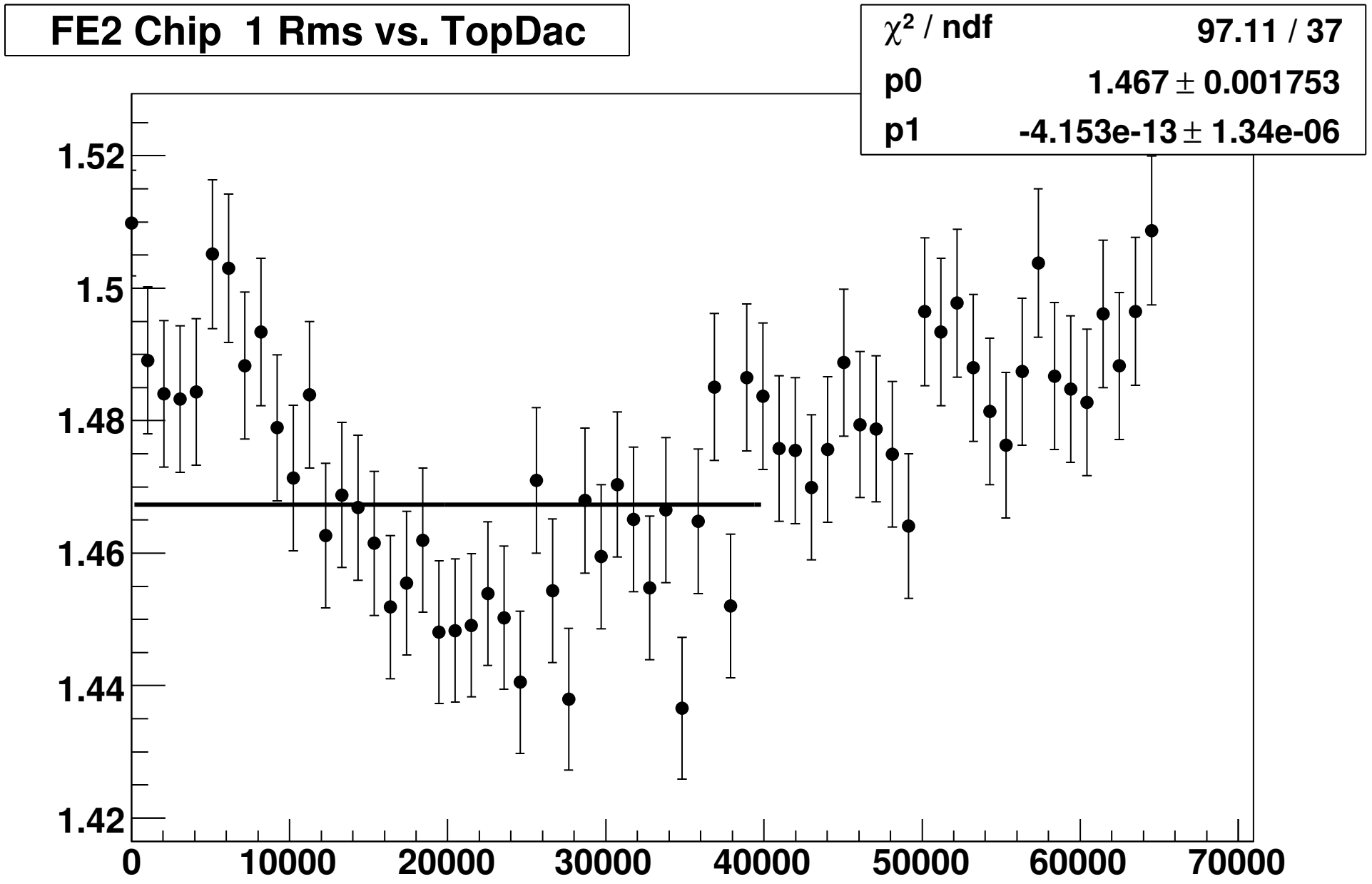
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 694.8 / 37
p0 1.394 ± 0.002849
p1 3.635e-05 ± 2.029e-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 1 Mean vs. TopDac
χ² / ndf 1.738e+04 / 37
p0 44.64 ± 0.005099
p1 -9.309e-05 ± 2.163e-07
46
45
44
43
42
41
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 97.11 / 37
p0 1.467 ± 0.001753
p1 -4.153e-13 ± 1.34e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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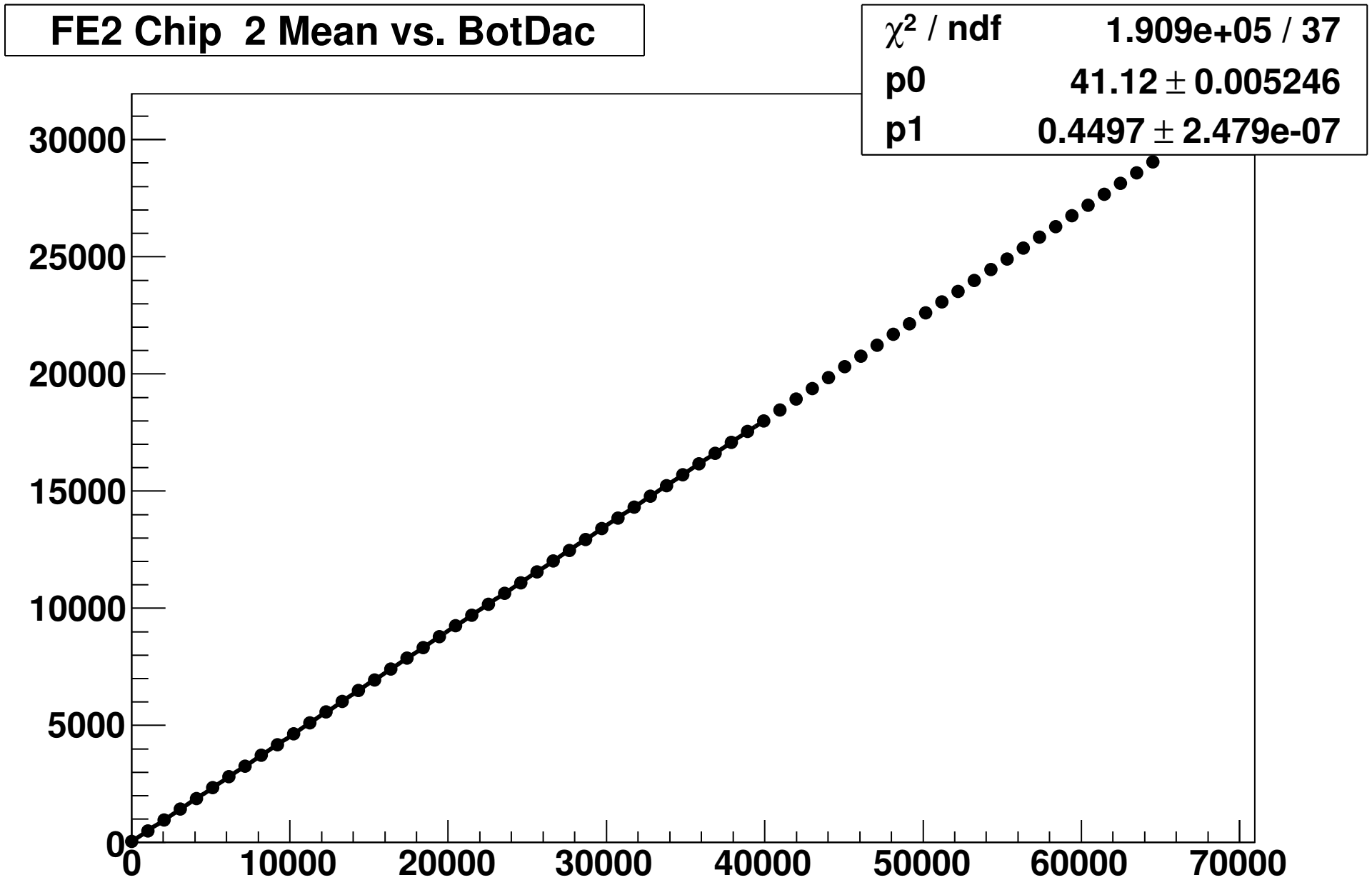
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.909e+05 / 37
p0 41.12 ± 0.005246
p1 0.4497 ± 2.479e-07
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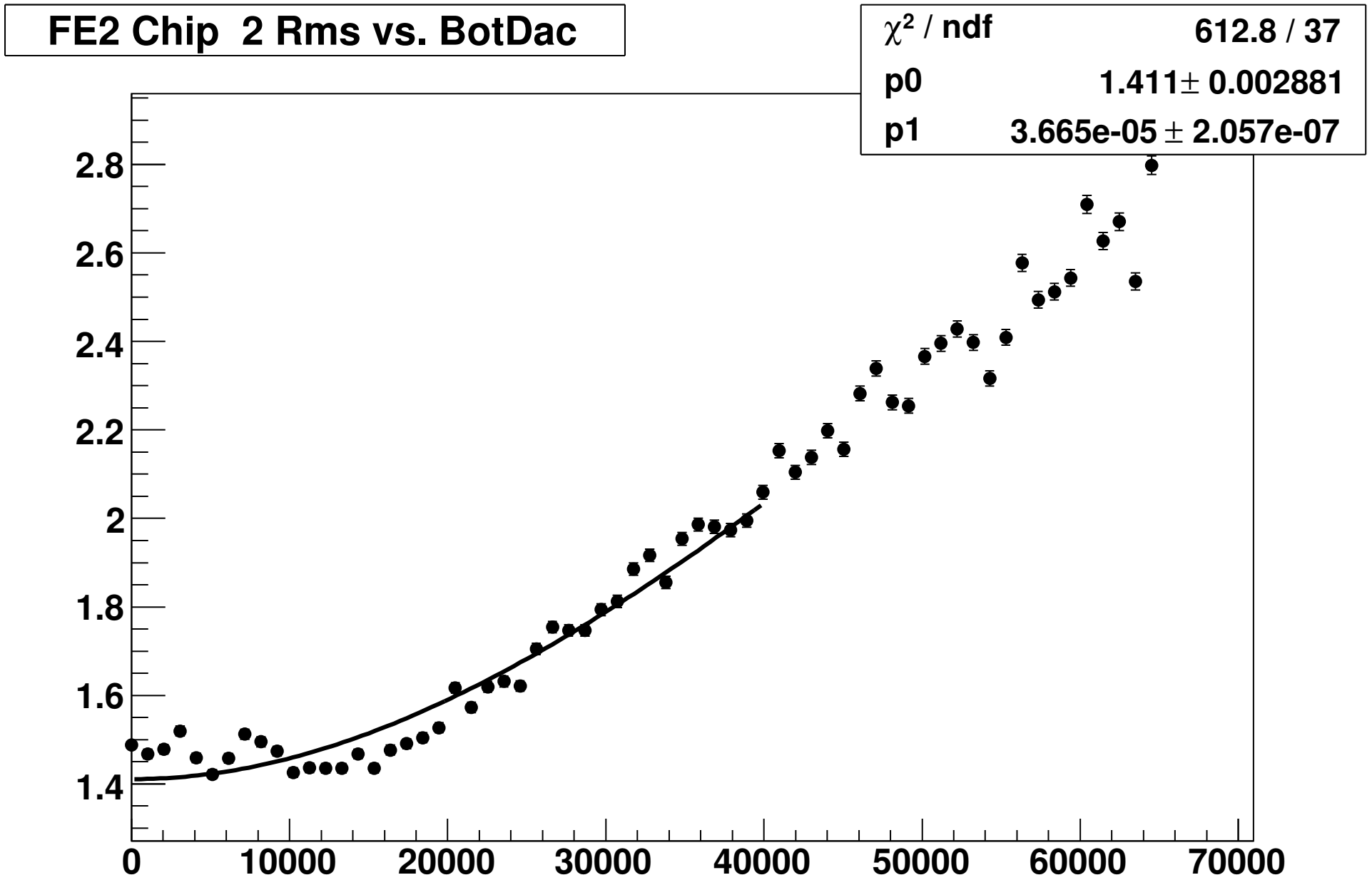
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 612.8 / 37
p0 1.411± 0.002881
p1 3.665e-05 ± 2.057e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
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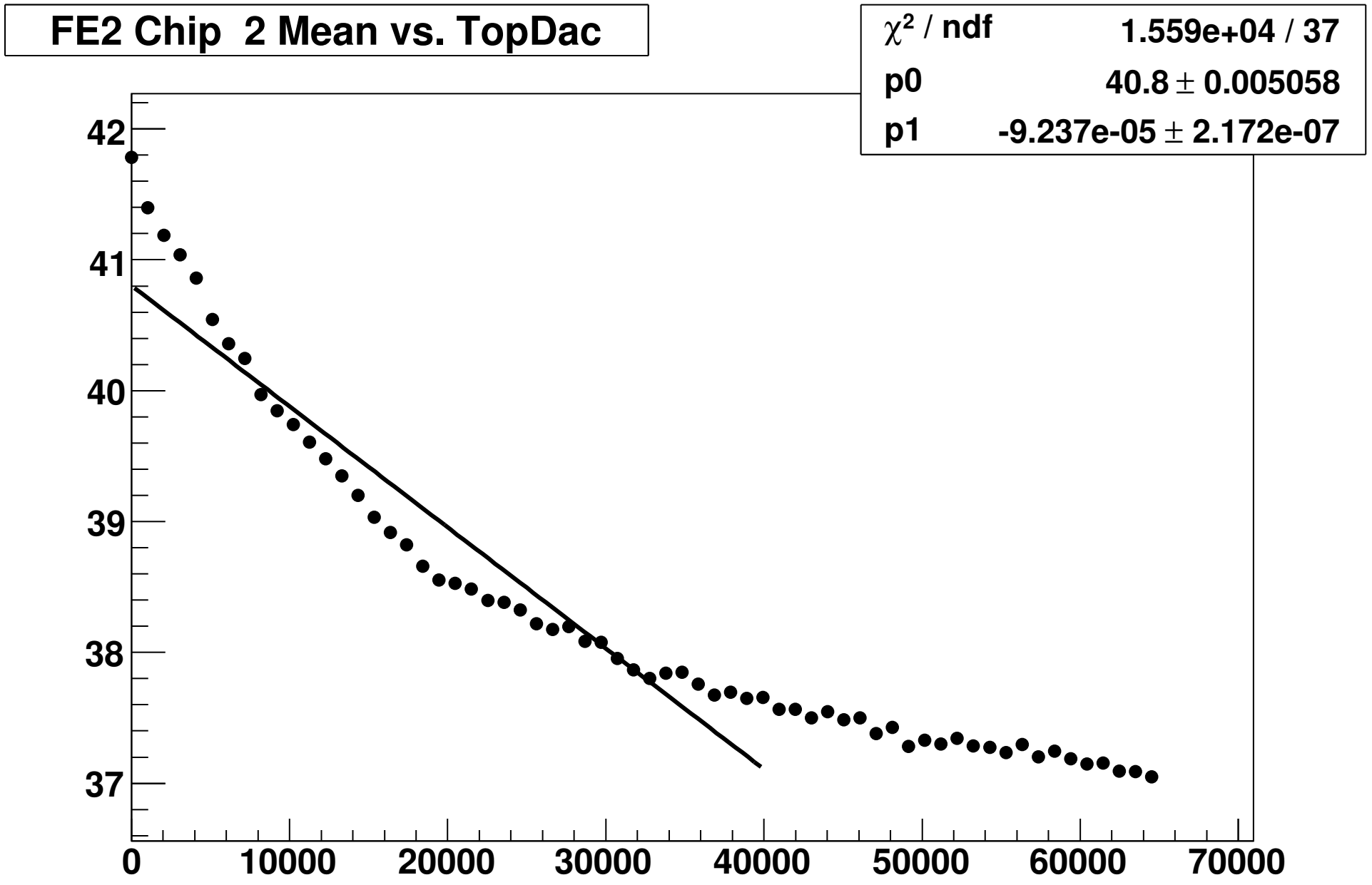
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 1.559e+04 / 37
p0 40.8 ± 0.005058
p1 -9.237e-05 ± 2.172e-07
42
41
40
39
38
37
0
10000
20000
30000
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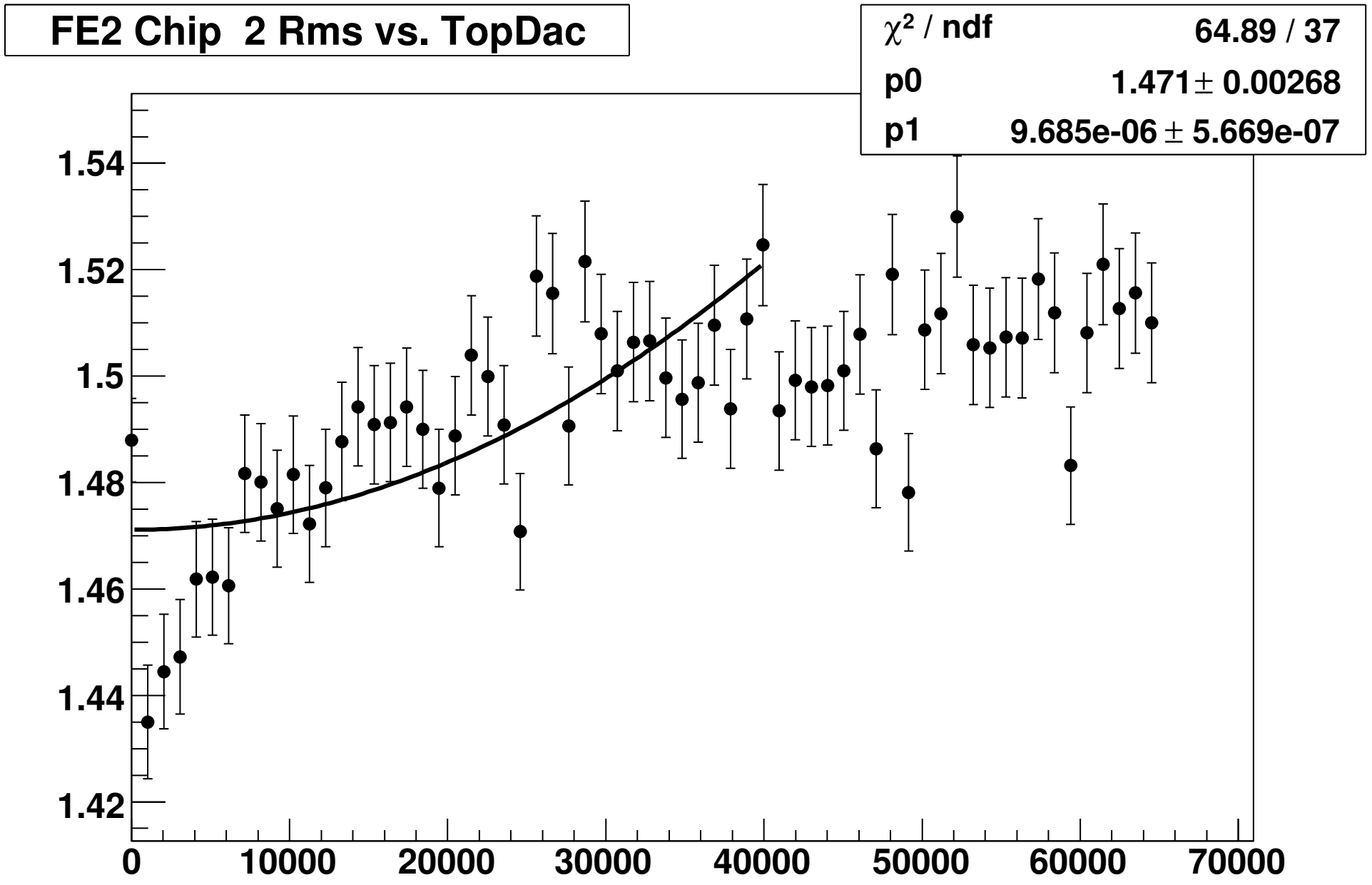
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 64.89 / 37
p0 1.471 ± 0.00268
p1 9.685e-06 ± 5.669e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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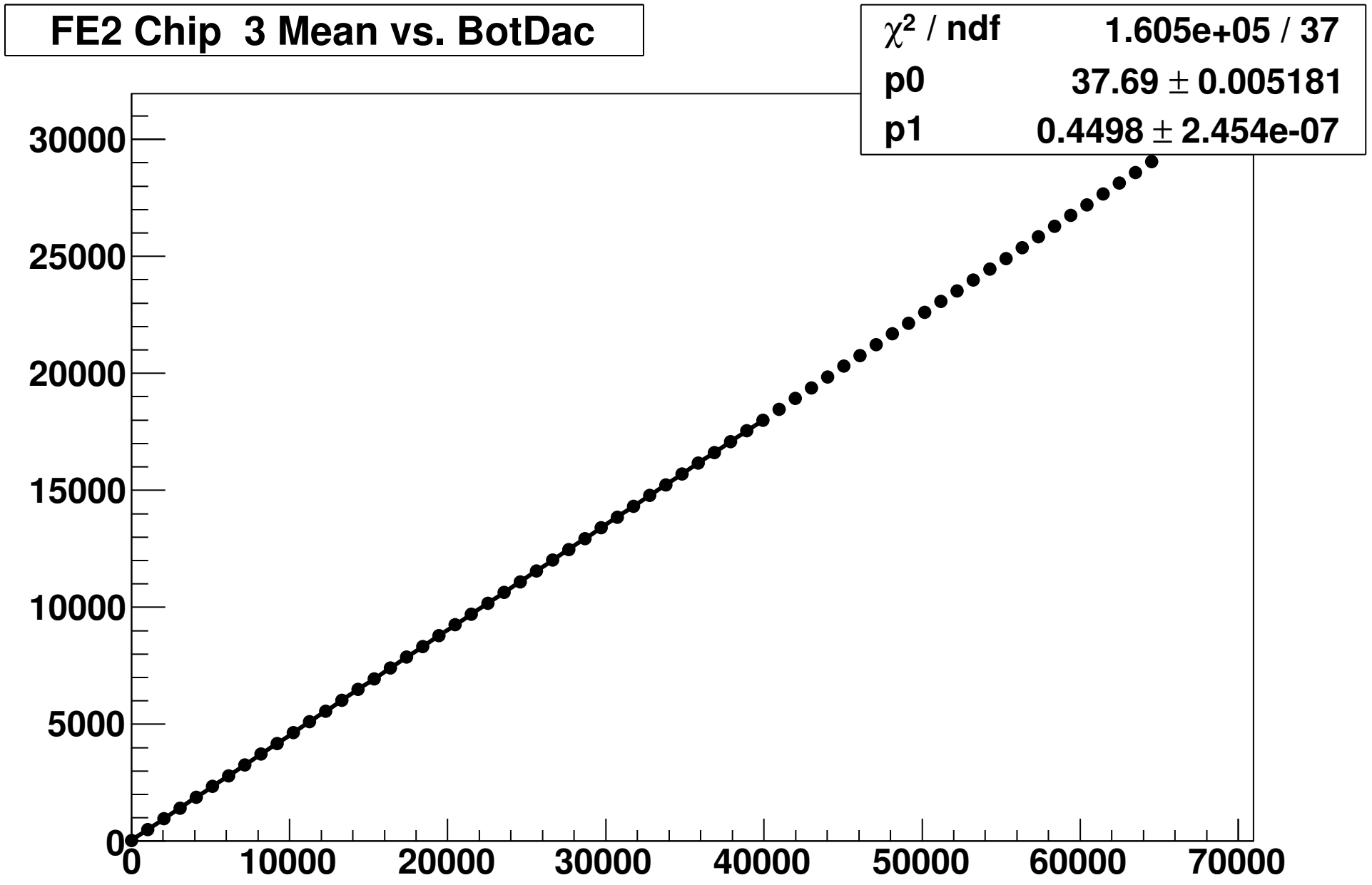
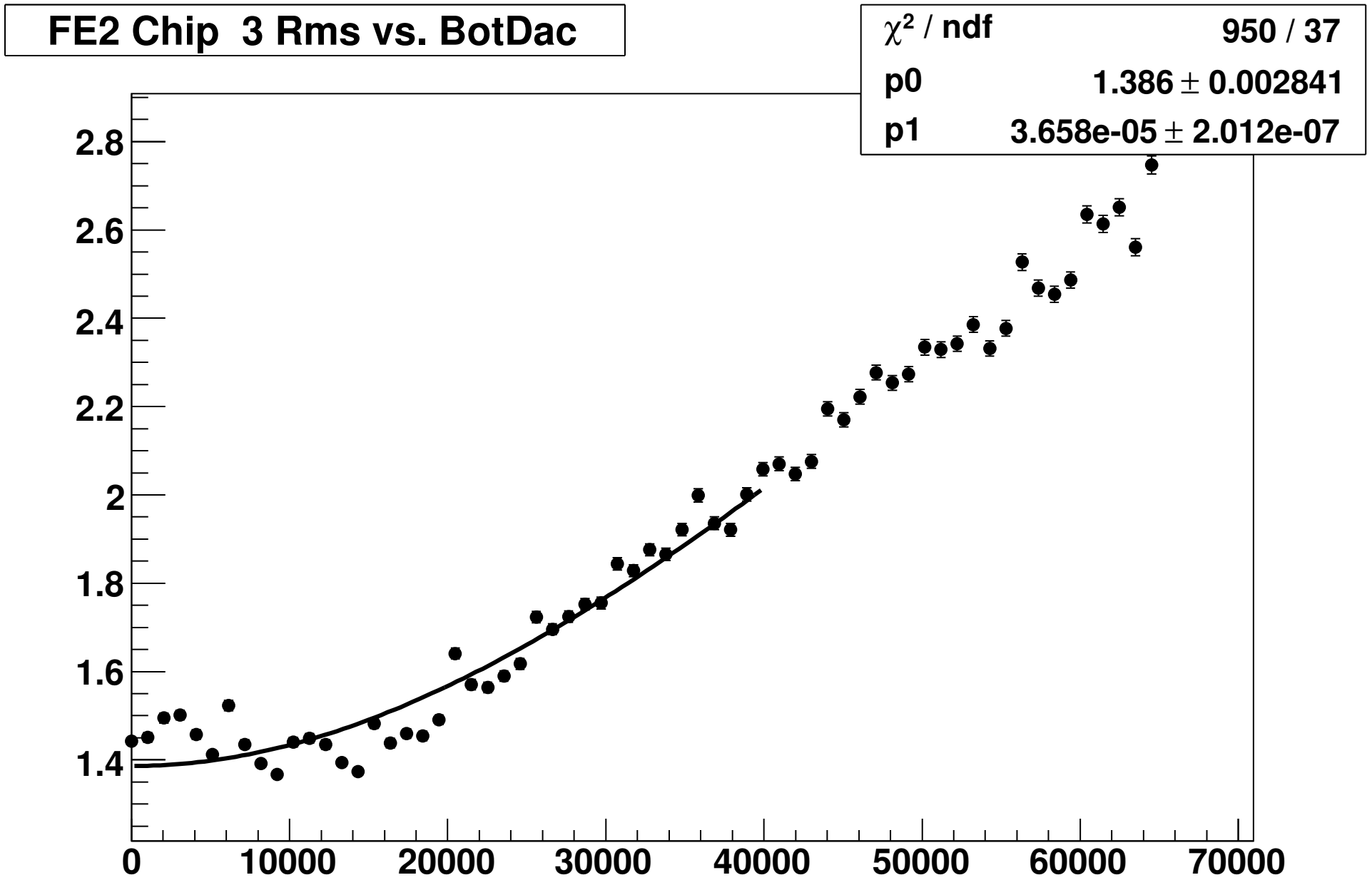
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.605e+05 / 37
p0 37.69 ± 0.005181
p1 0.4498 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 950 / 37
p0 1.386 ± 0.002841
p1 3.658e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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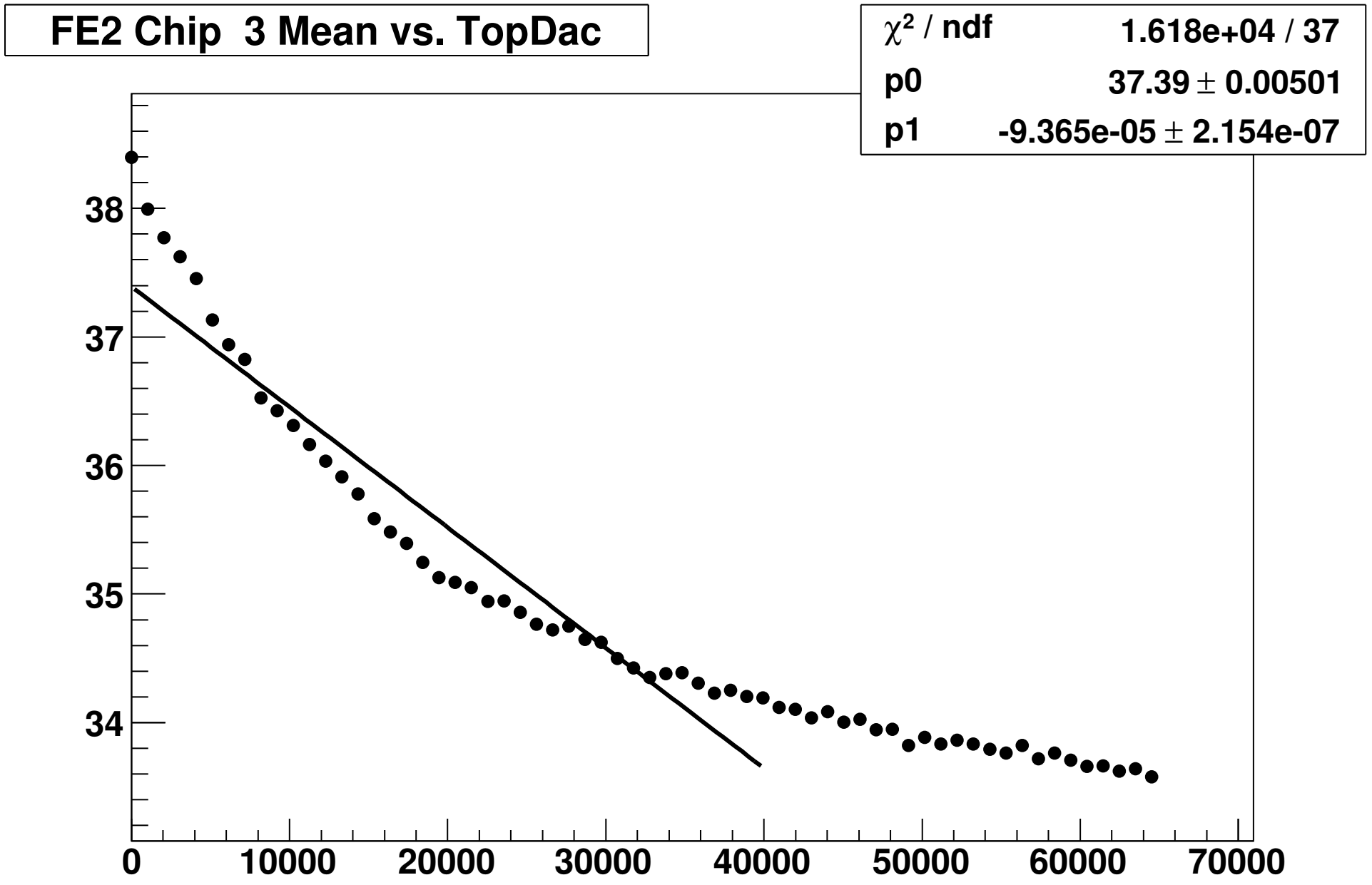
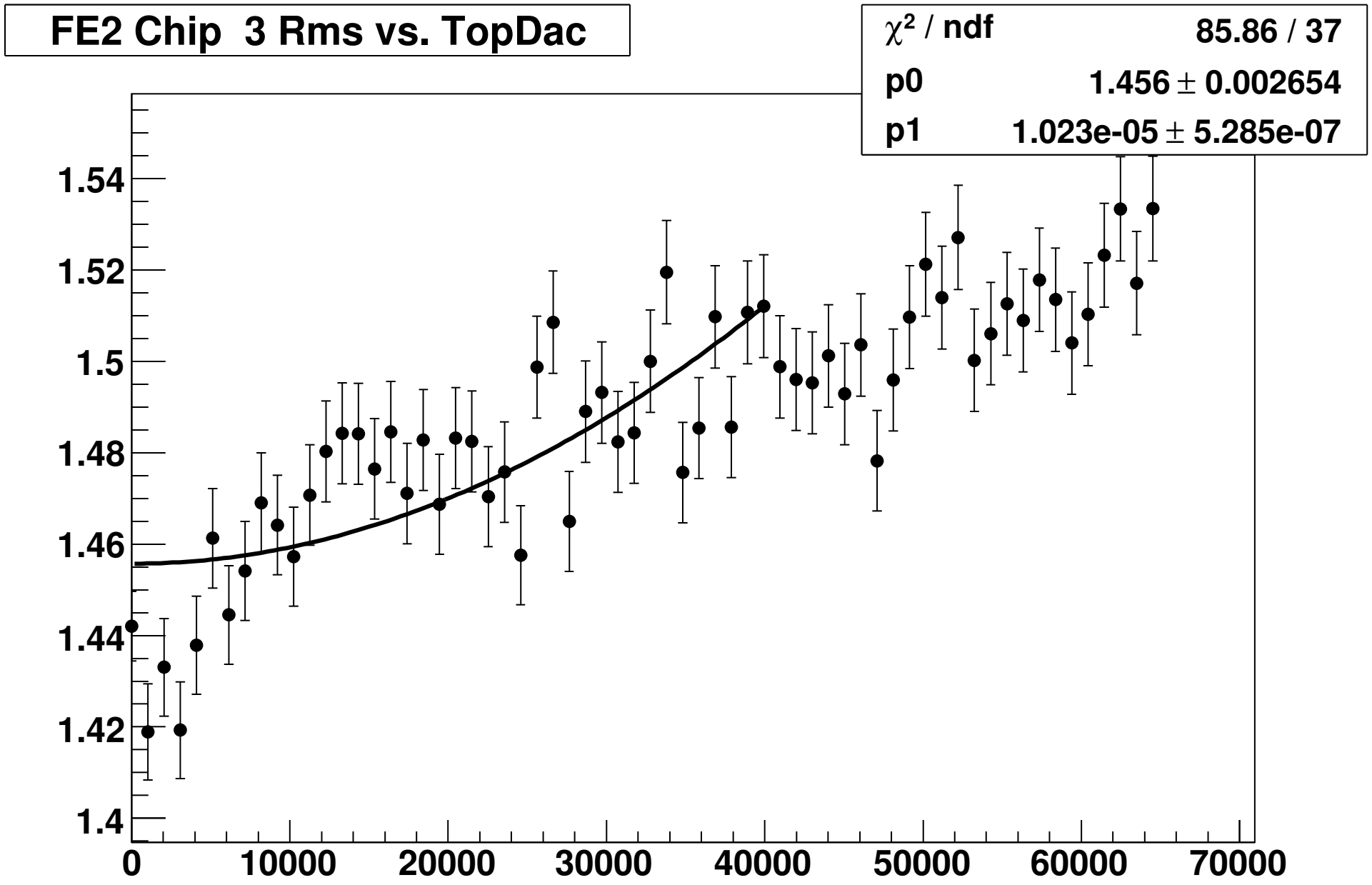
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 1.618e+04 / 37
p0 37.39 ± 0.00501
p1 -9.365e-05 ± 2.154e-07
38
37
36
35
34
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 85.86 / 37
p0 1.456 ± 0.002654
p1 1.023e-05 ± 5.285e-07
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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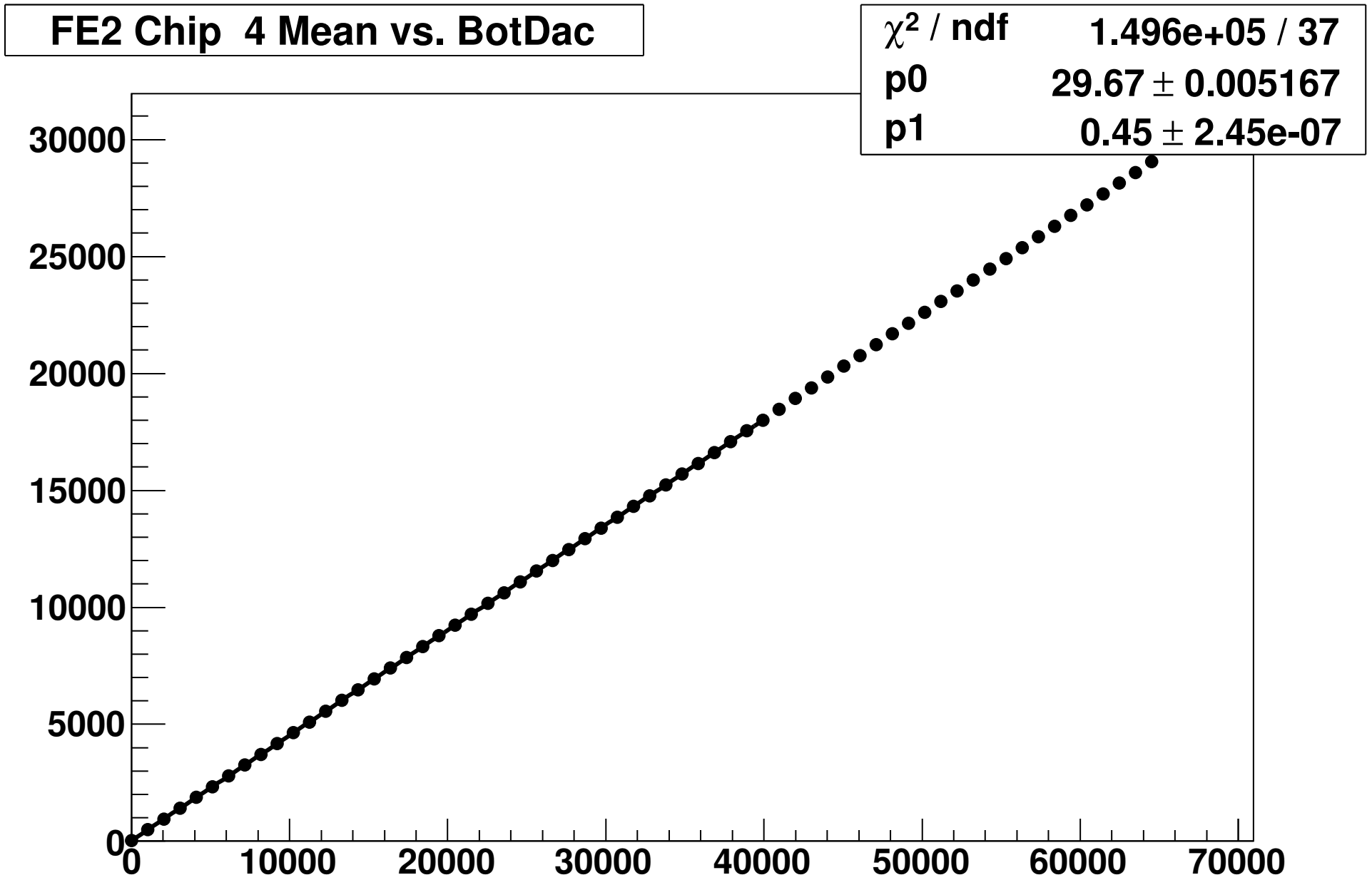
FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1.496e+05 / 37
p0 29.67 ± 0.005167
p1 0.45 ± 2.45e-07
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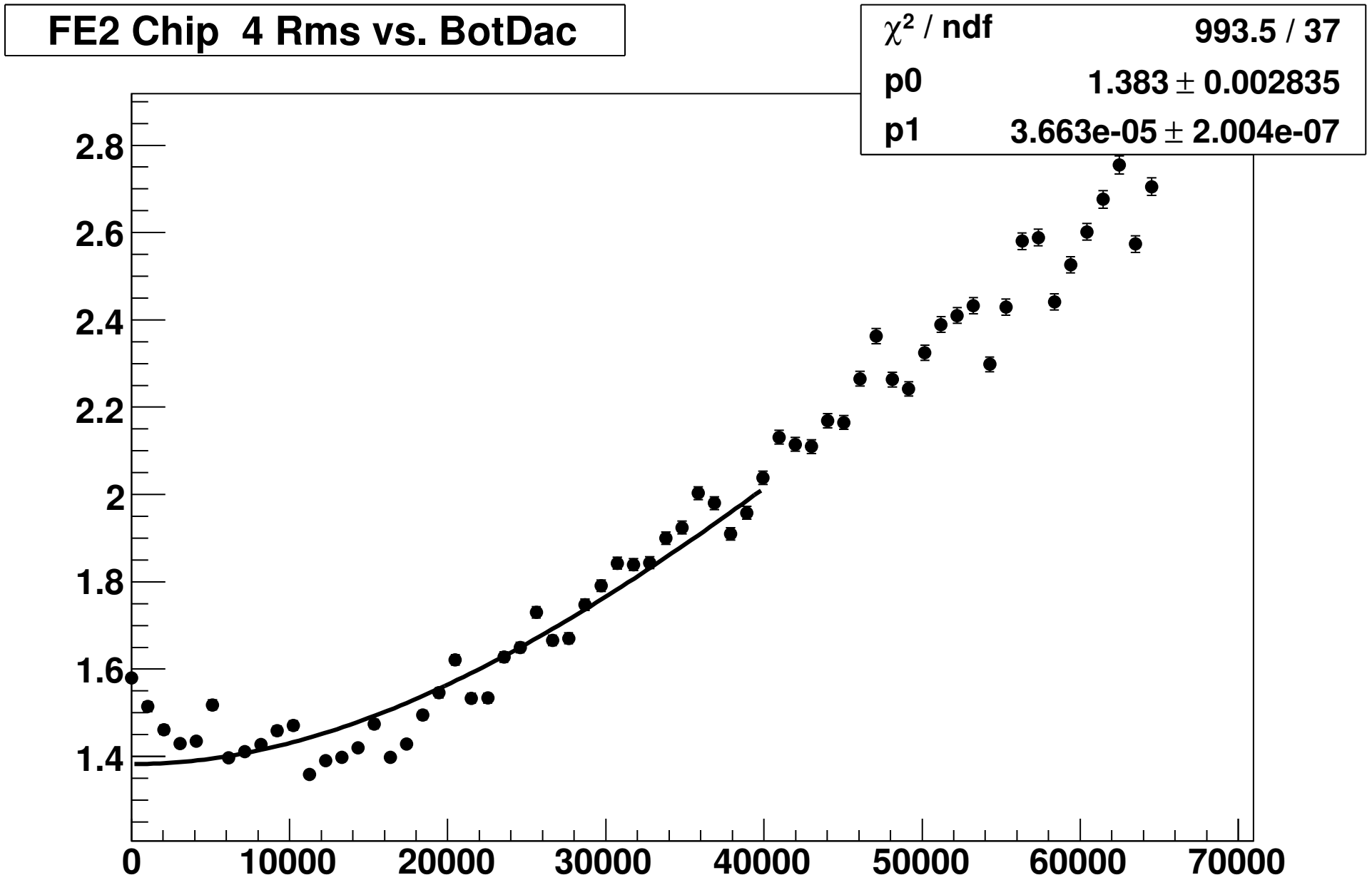
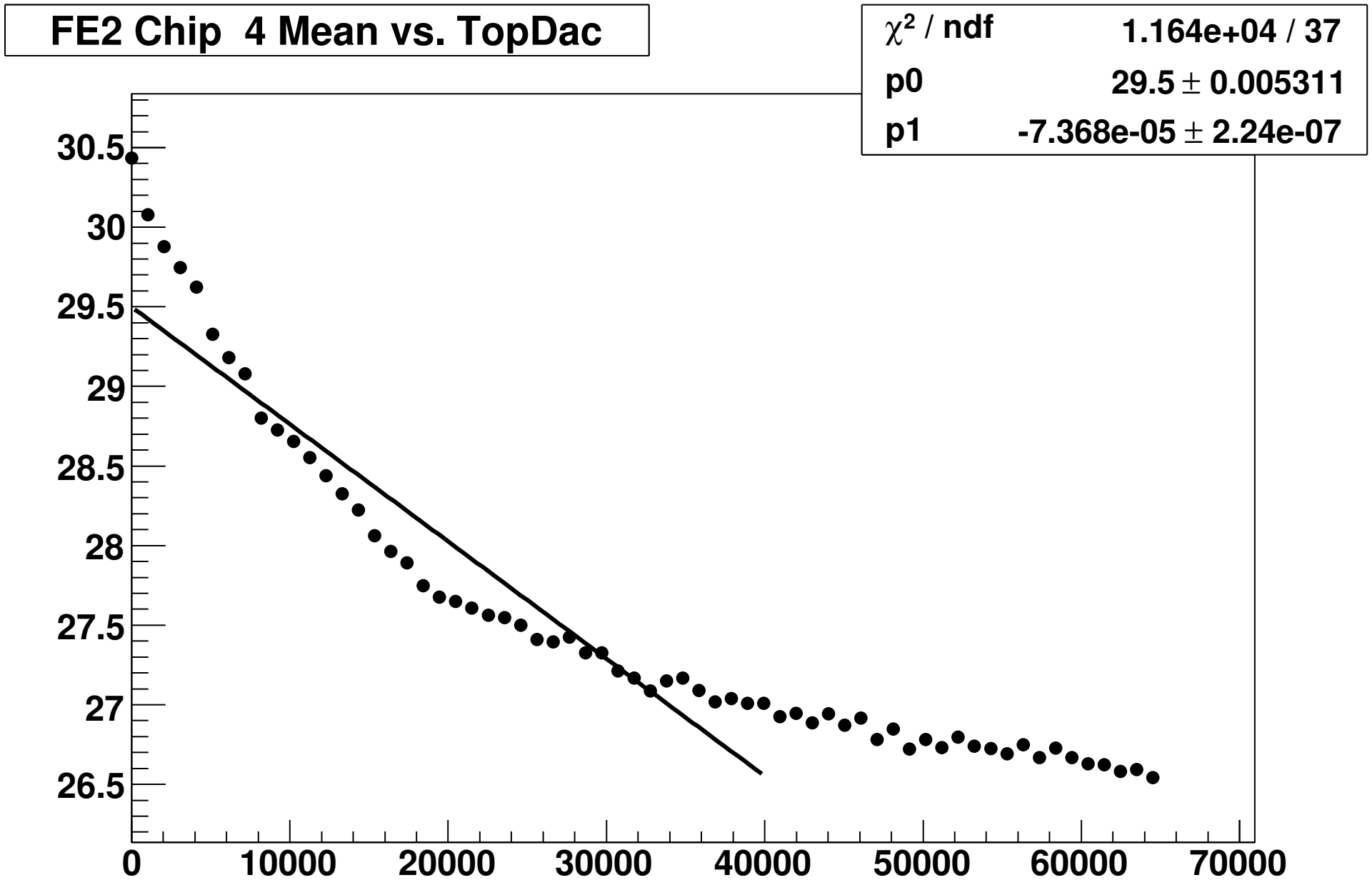
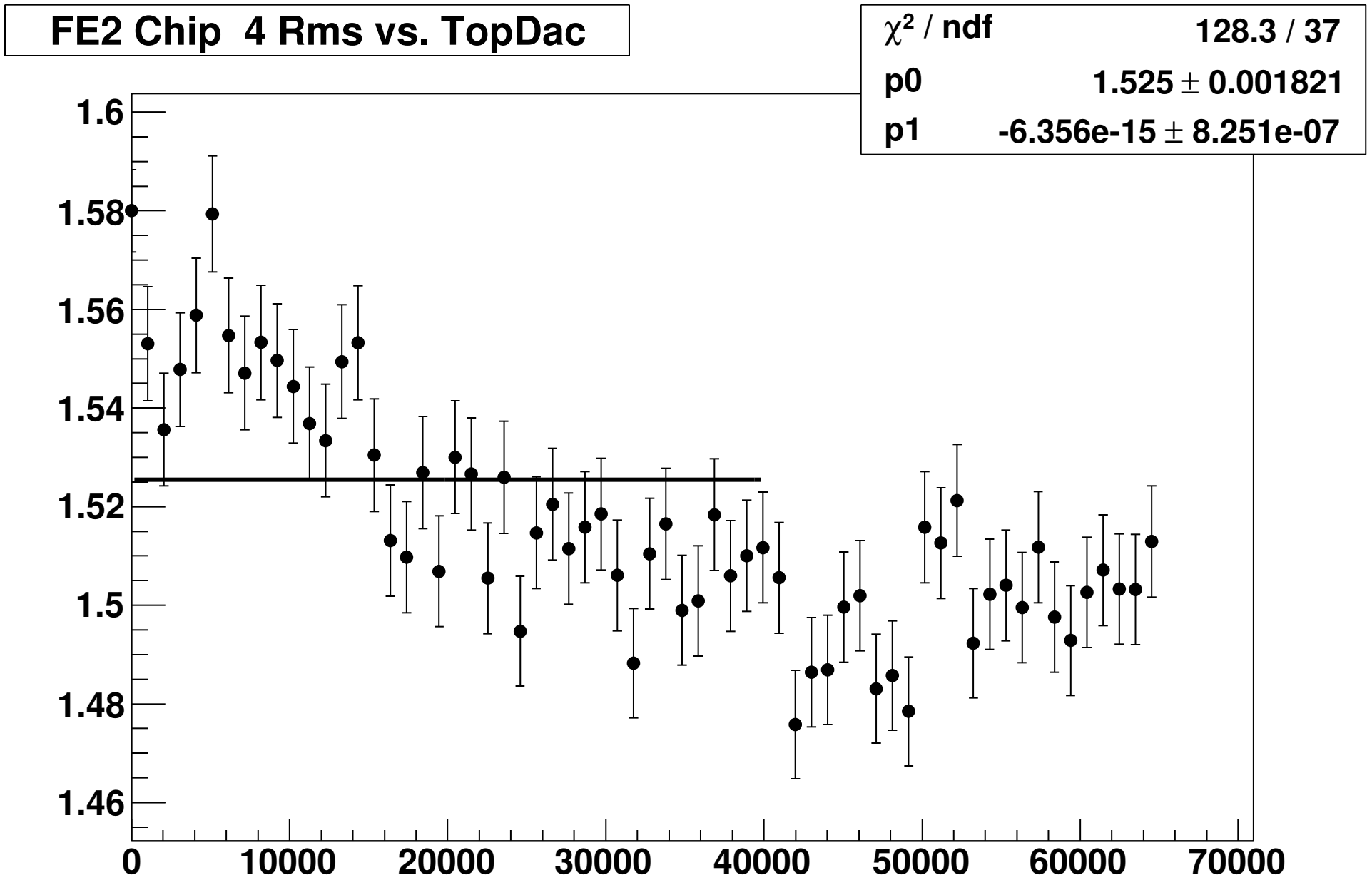
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 993.5 / 37
p0 1.383 ± 0.002835
p1 3.663e-05 ± 2.004e-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 4 Mean vs. TopDac
χ² / ndf 1.164e+04 / 37
p0 29.5 ± 0.005311
p1 -7.368e-05 ± 2.24e-07
30.5
30
29.5
29
28.5
28
27.5
27
26.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 128.3 / 37
p0 1.525 ± 0.001821
p1 -6.356e-15 ± 8.251e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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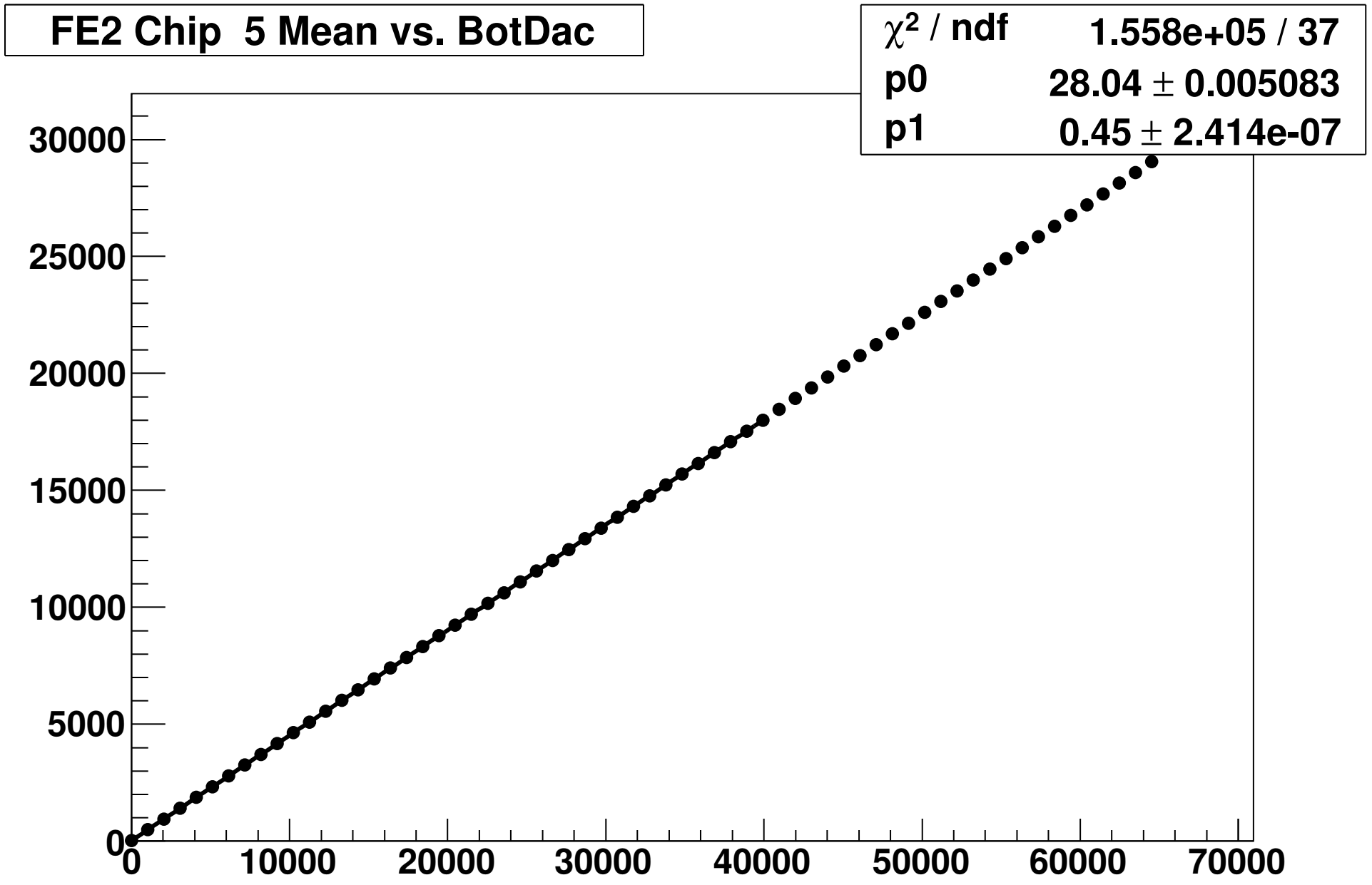
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.558e+05 / 37
p0 28.04 ± 0.005083
p1 0.45 ± 2.414e-07
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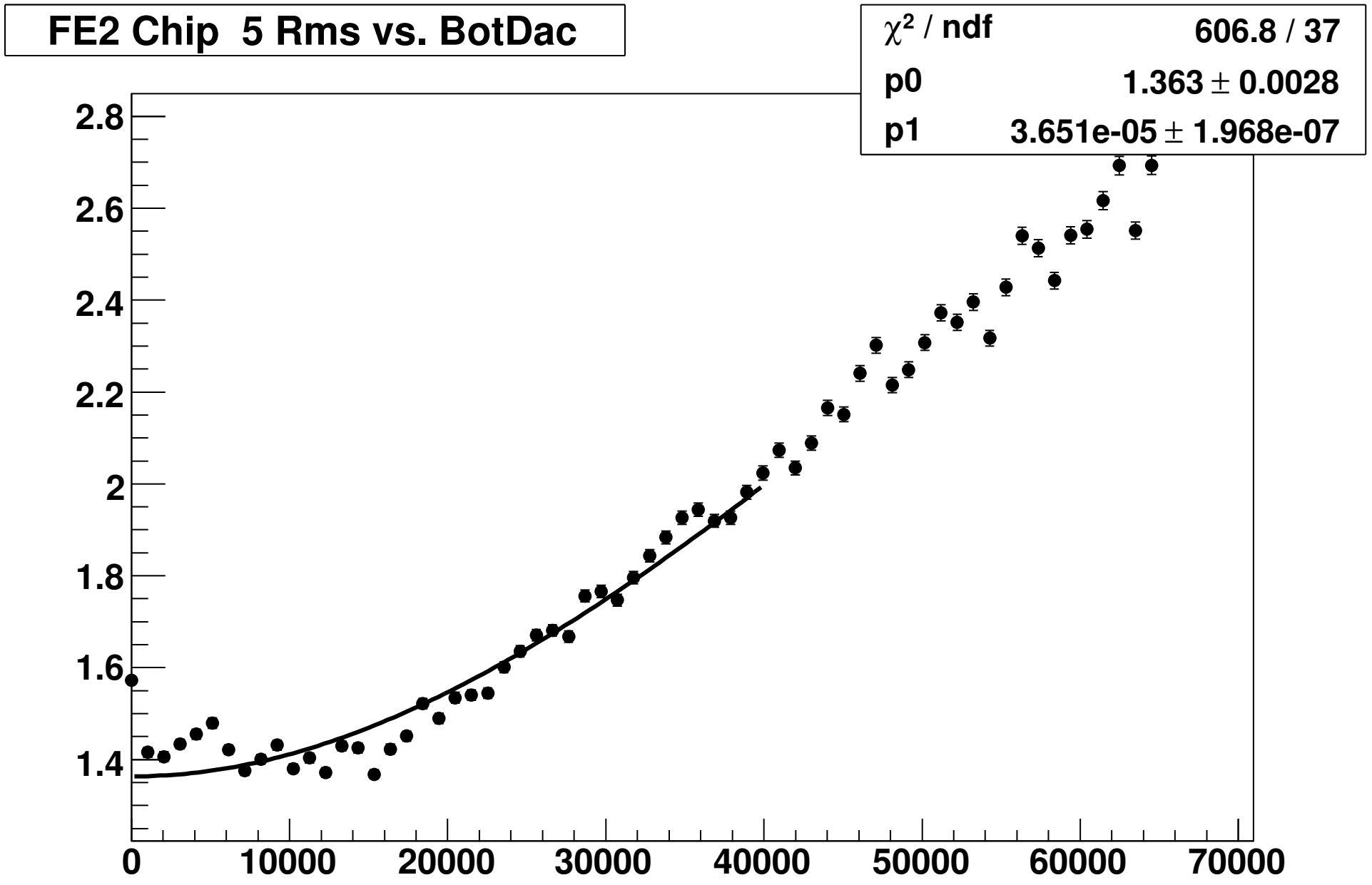
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 606.8 / 37
p0 1.363 ± 0.0028
p1 3.651e-05 ± 1.968e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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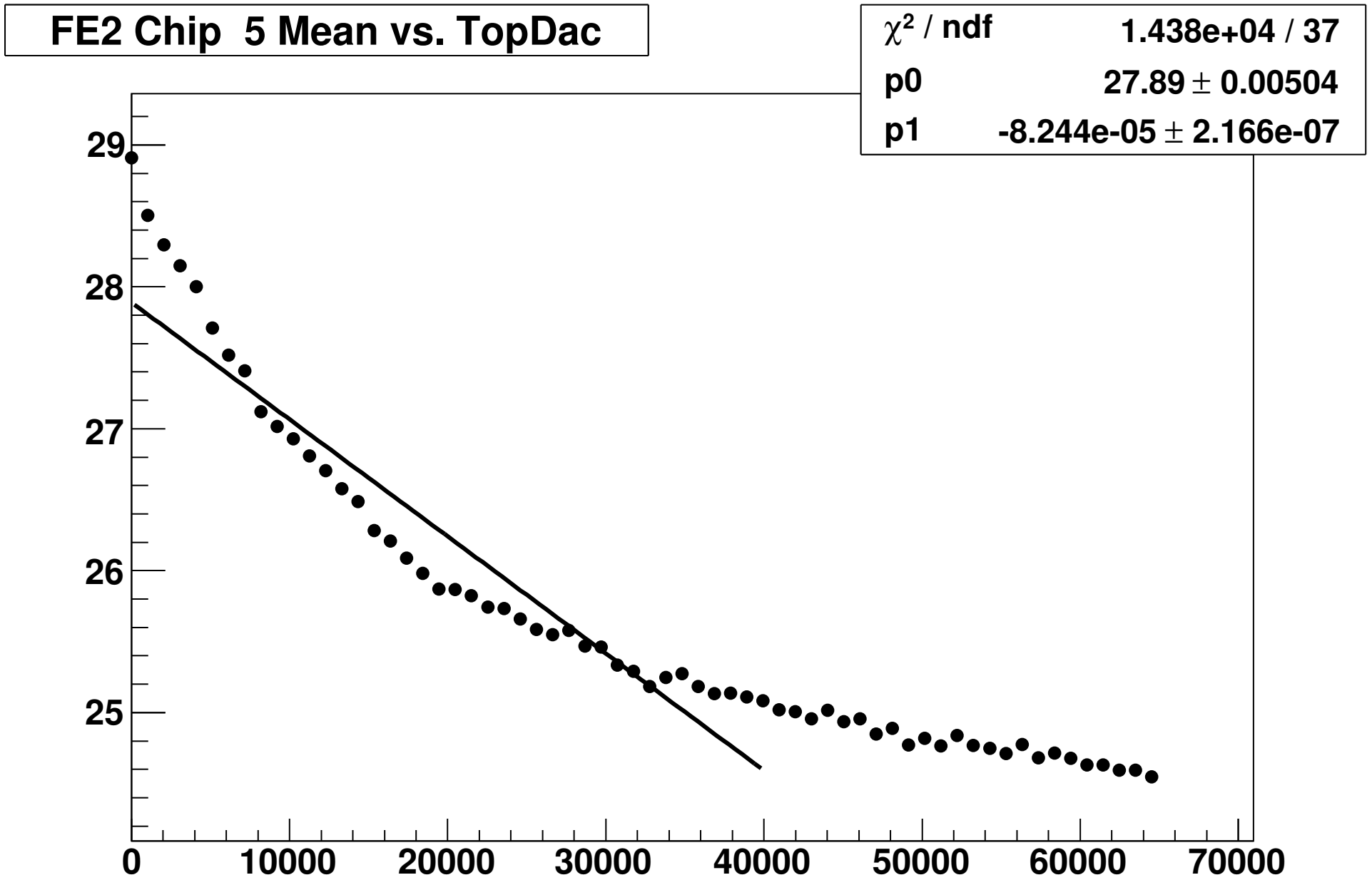
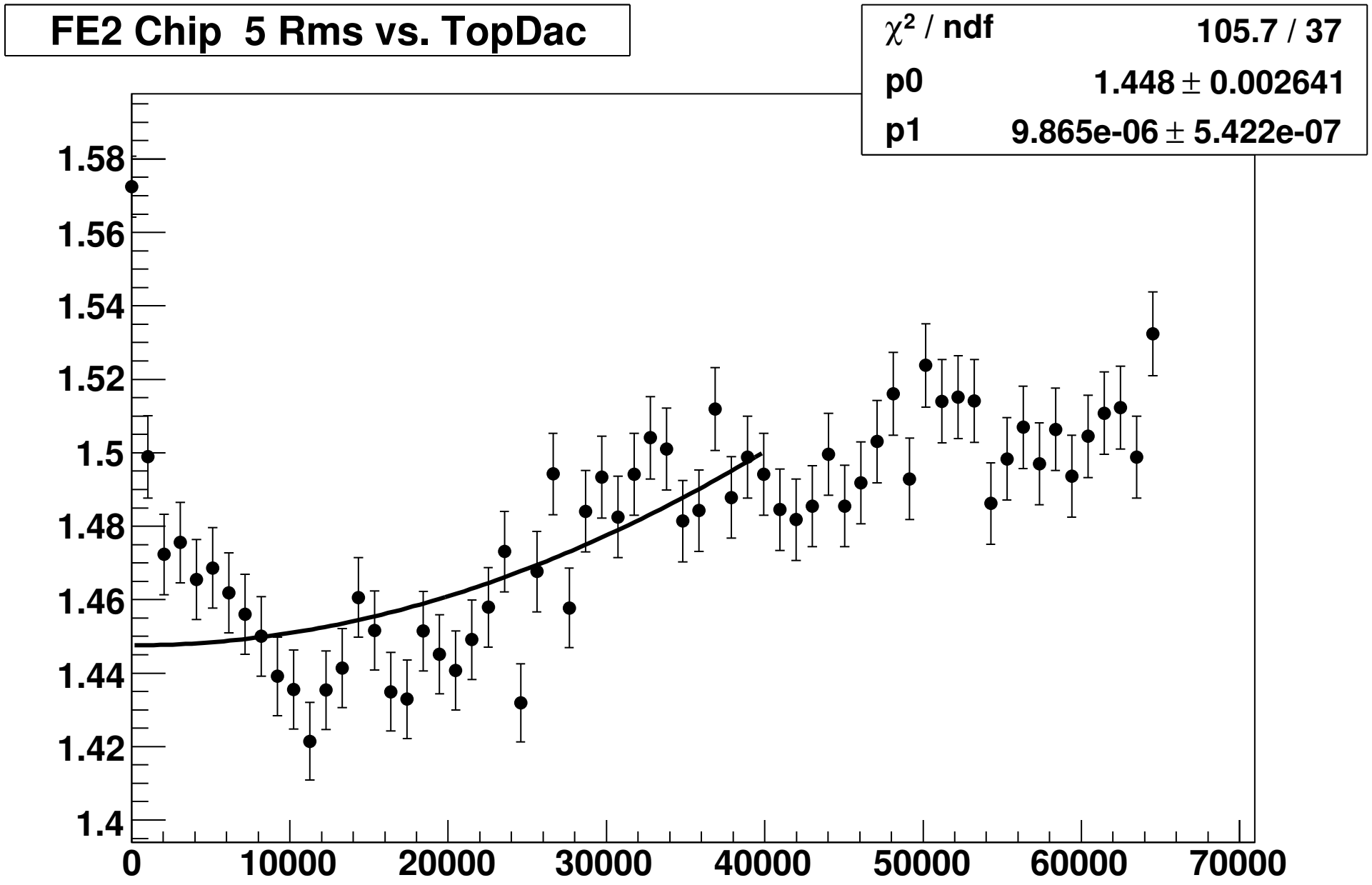
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 1.438e+04 / 37
p0 27.89 ± 0.00504
p1 -8.244e-05 ± 2.166e-07
29
28
27
26
25
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 105.7 / 37
p0 1.448 ± 0.002641
p1 9.865e-06 ± 5.422e-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
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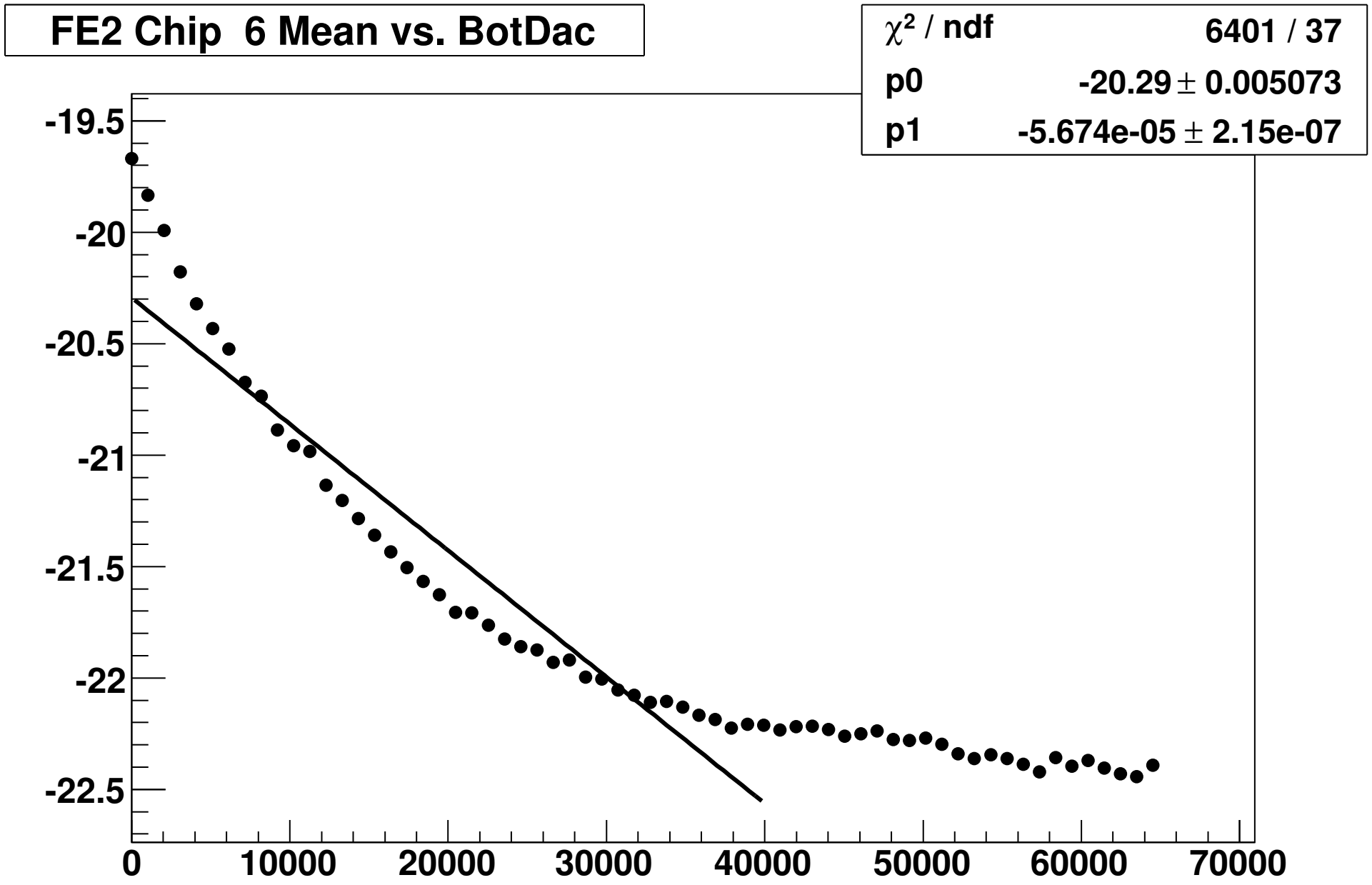
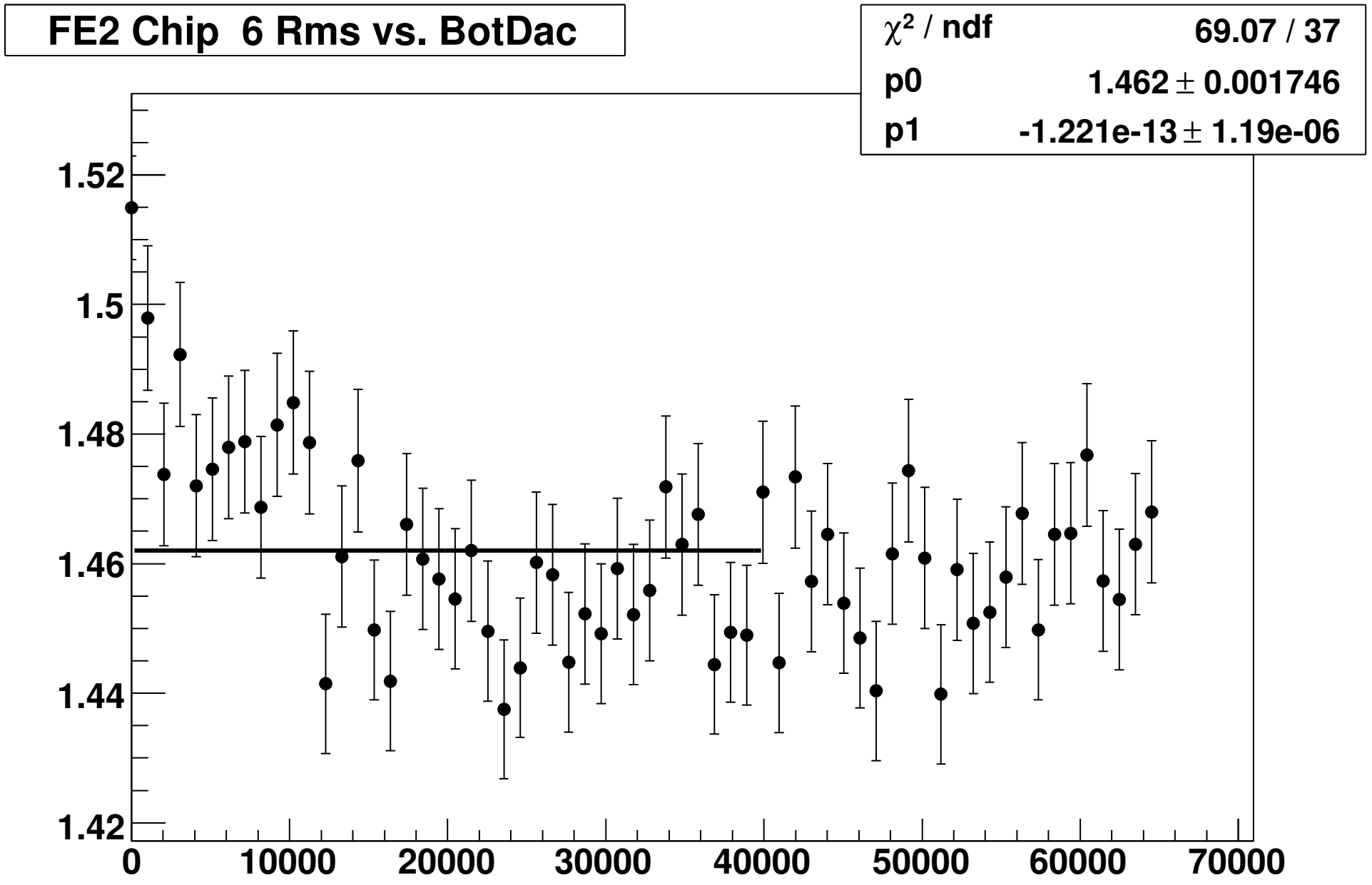
70000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 6401 / 37
p0 -20.29 ± 0.005073
p1 -5.674e-05 ± 2.15e-07
-19.5
-20
-20.5
-21
-21.5
-22
-22.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 69.07 / 37
p0 1.462 ± 0.001746
p1 -1.221e-13 ± 1.19e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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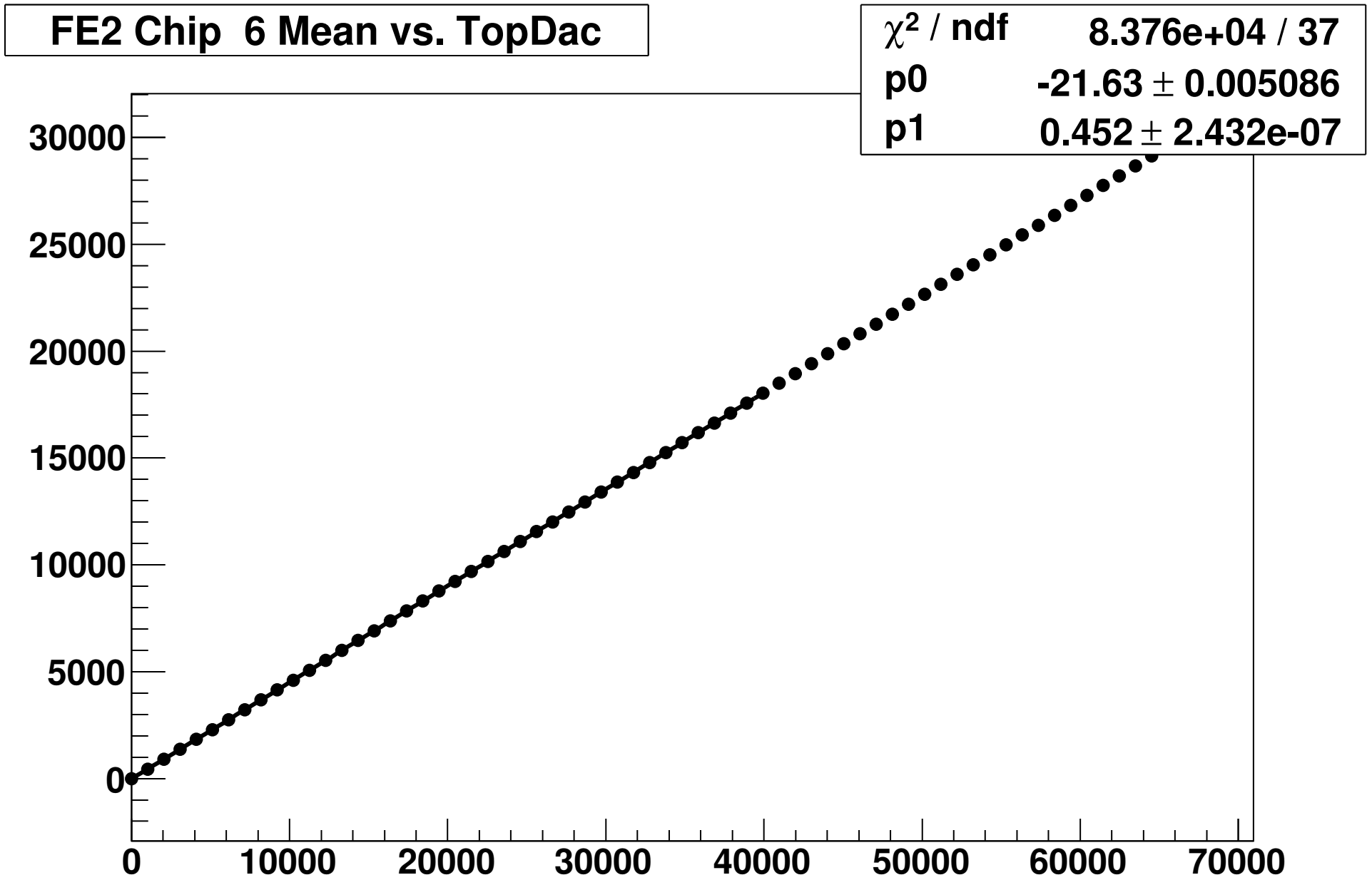
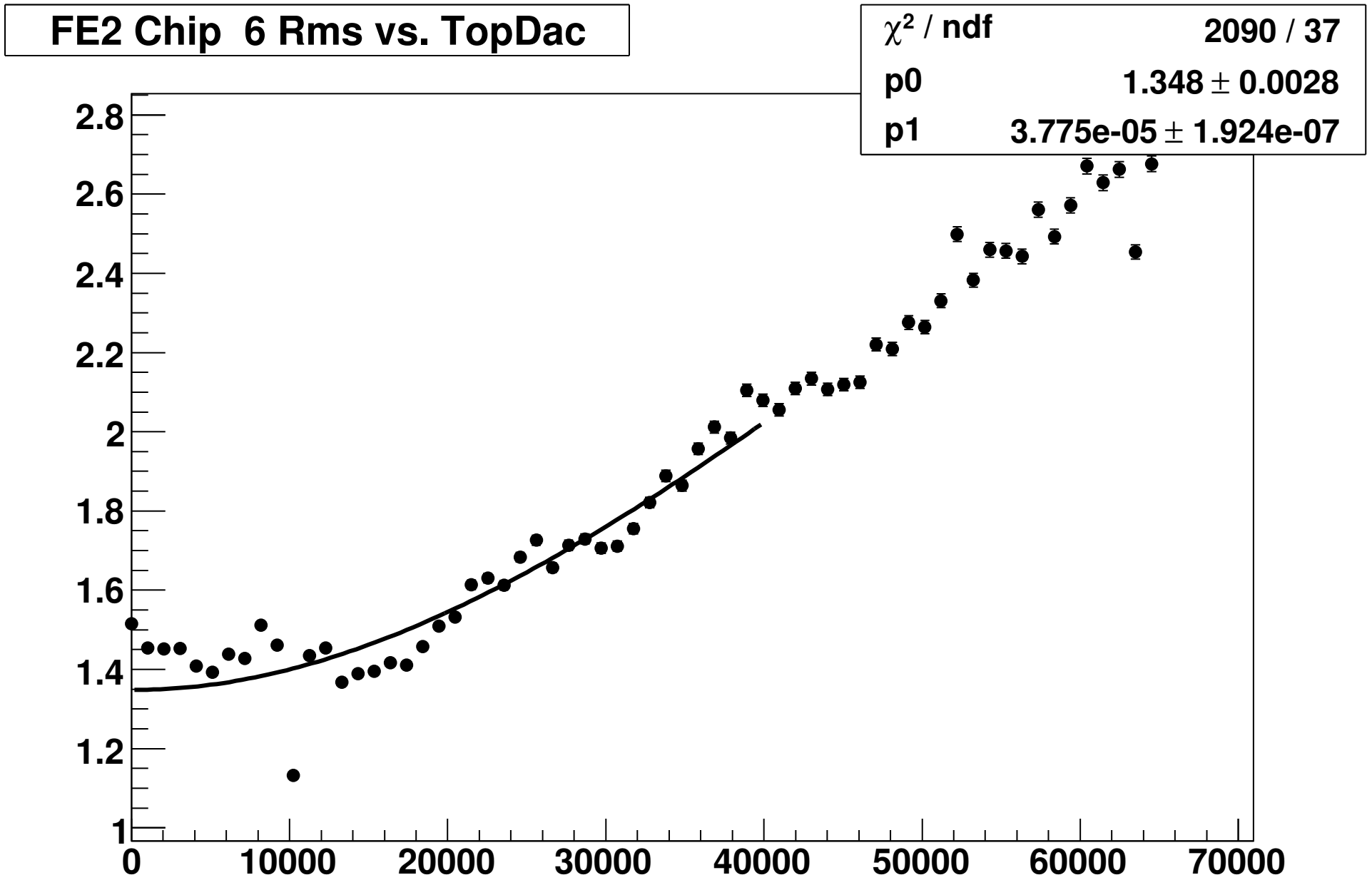
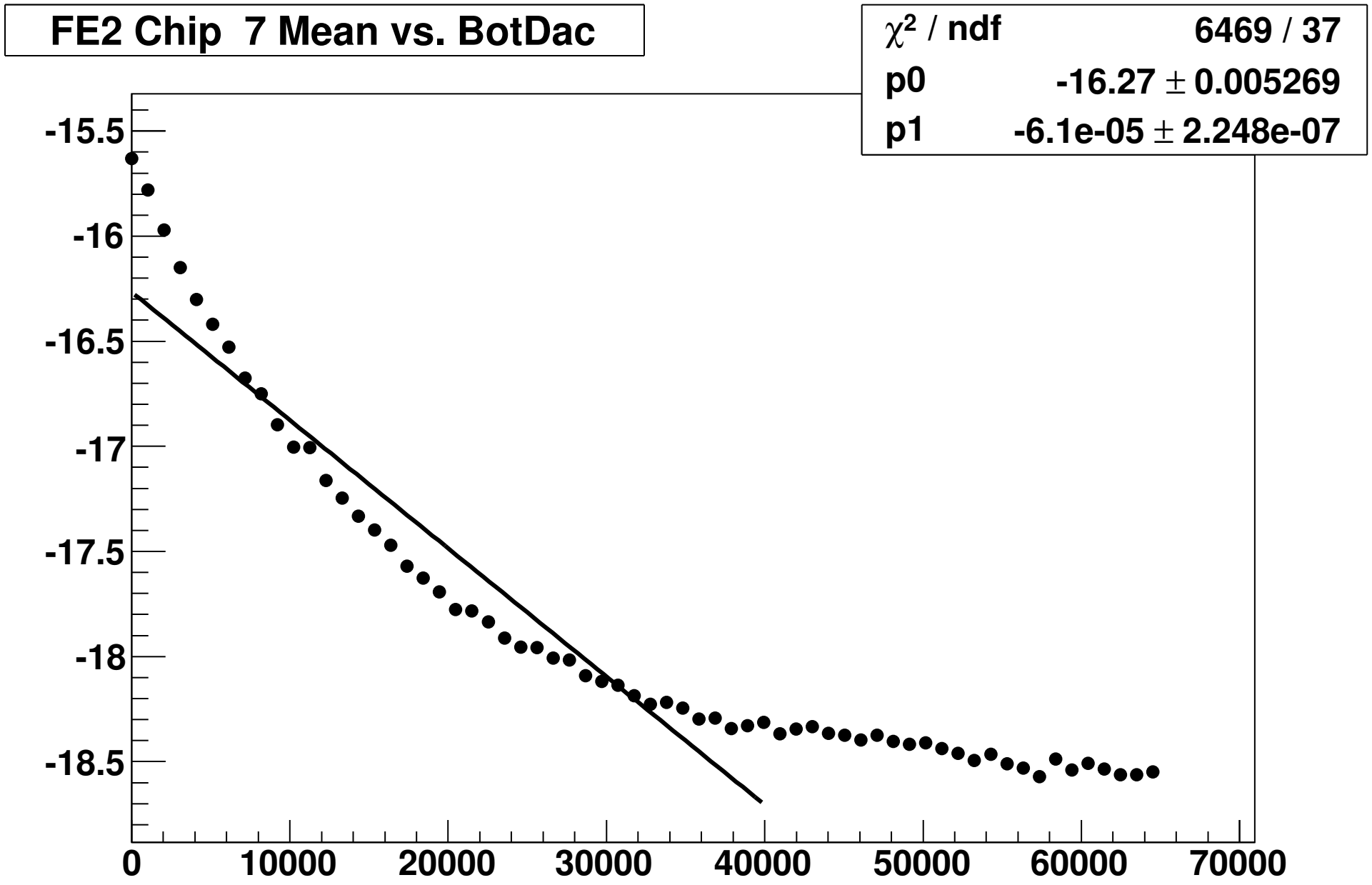
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 8.376e+04 / 37
p0 -21.63 ± 0.005086
p1 0.452 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 2090 / 37
p0 1.348 ± 0.0028
p1 3.775e-05 ± 1.924e-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 7 Mean vs. BotDac
χ² / ndf 6469 / 37
p0 -16.27 ± 0.005269
p1 -6.1e-05 ± 2.248e-07
-15.5
-16
-16.5
-17
-17.5
-18
-18.5
0
10000
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30000
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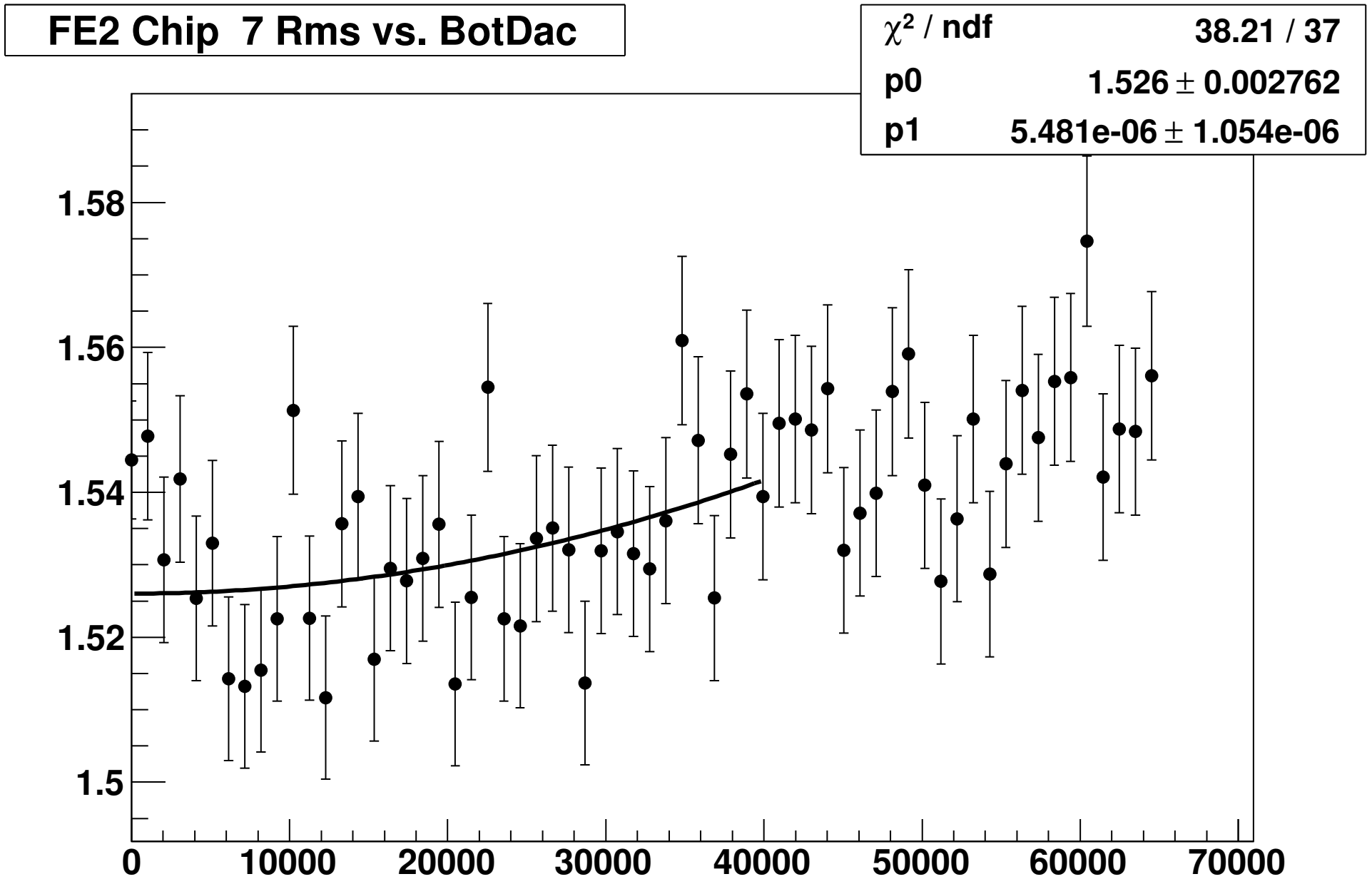
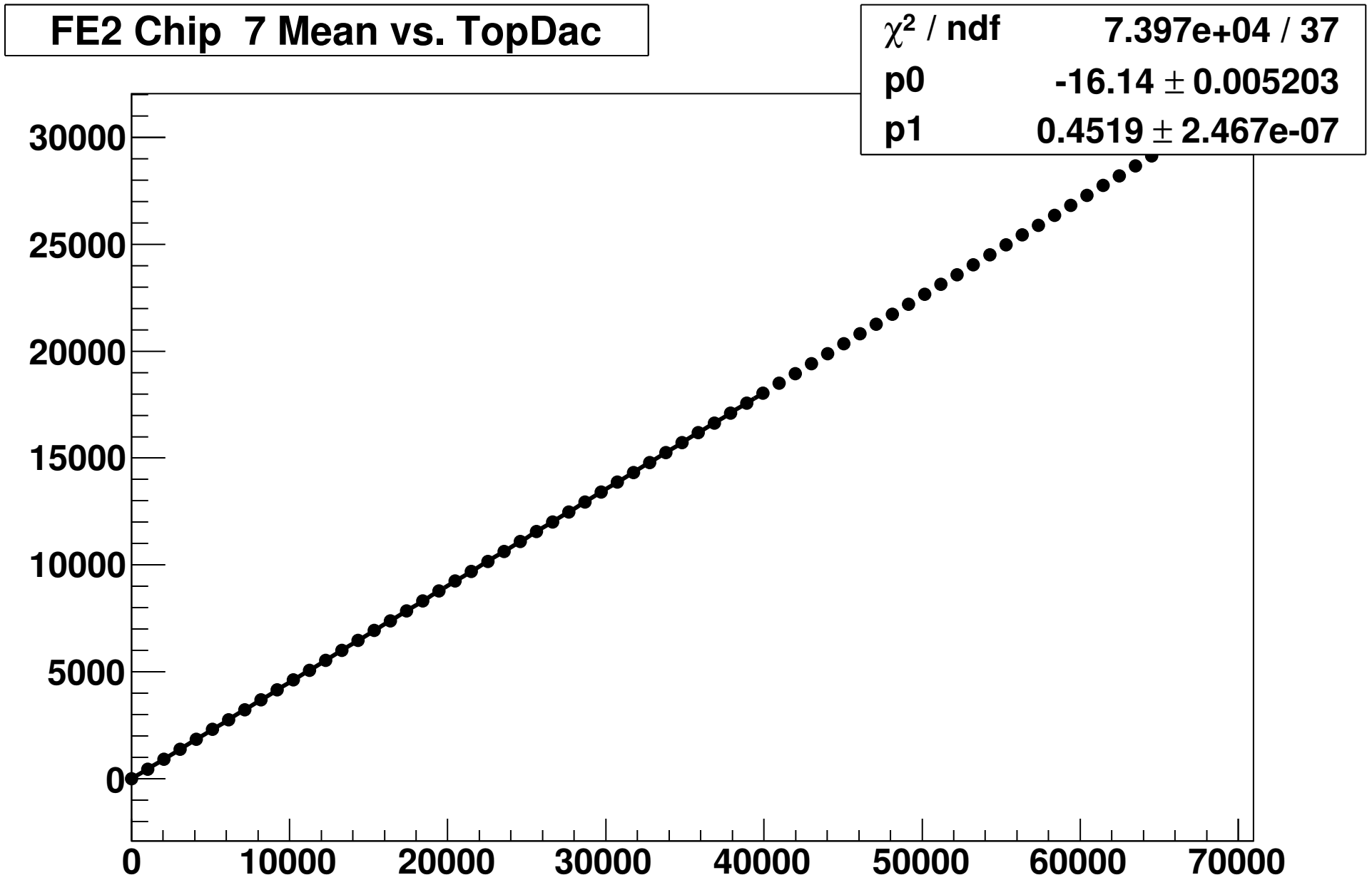

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 38.21 / 37
p0 1.526 ± 0.002762
p1 5.481e-06 ± 1.054e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 7.397e+04 / 37
p0 -16.14 ± 0.005203
p1 0.4519 ± 2.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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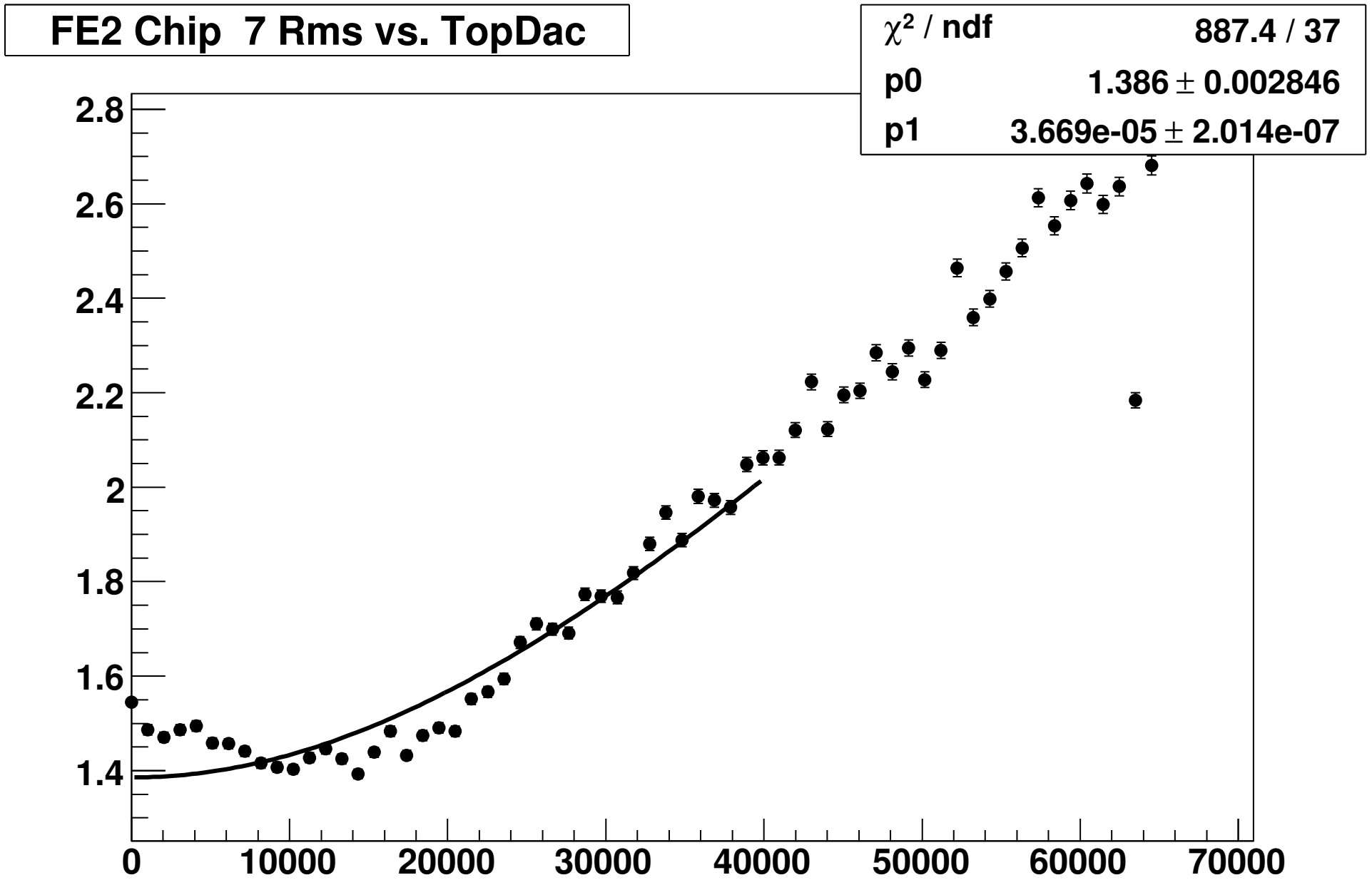
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 887.4 / 37
p0 1.386 ± 0.002846
p1 3.669e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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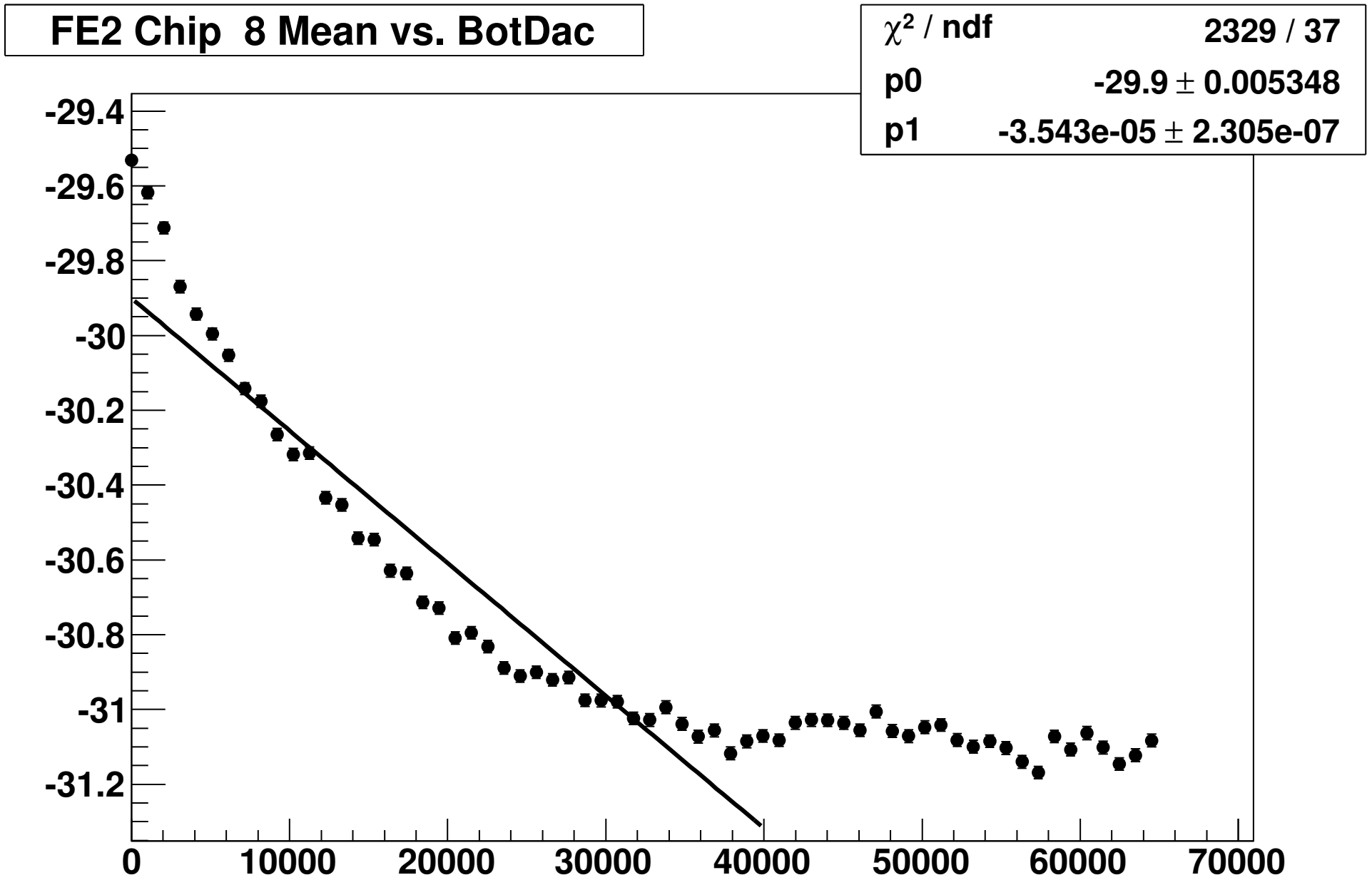
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 2329 / 37
p0 -29.9 ± 0.005348
p1 -3.543e-05 ± 2.305e-07
-29.4
-29.6
-29.8
-30
-30.2
-30.4
-30.6
-30.8
-31
-31.2
0
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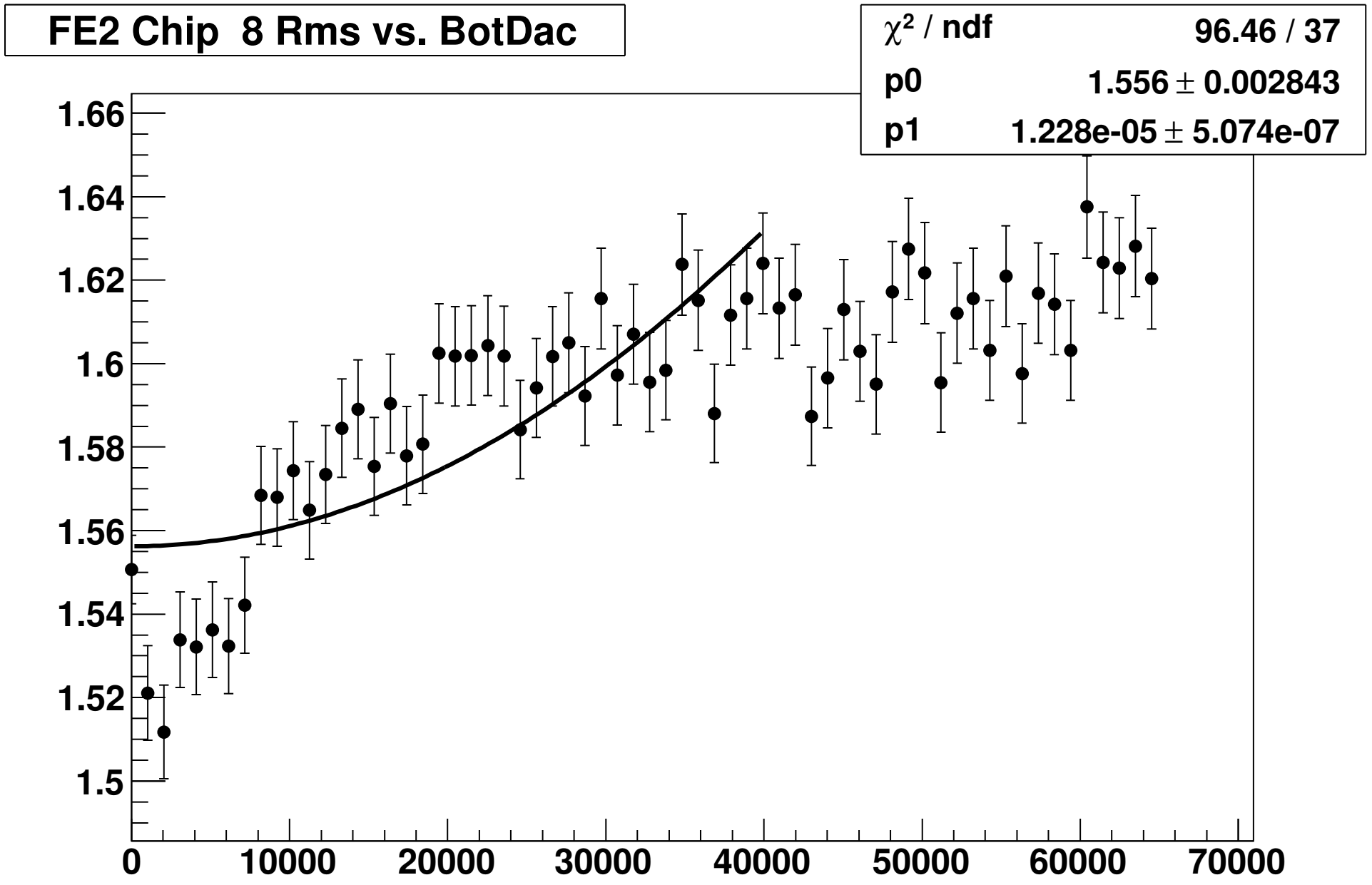
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 96.46 / 37
p0 1.556 ± 0.002843
p1 1.228e-05 ± 5.074e-07
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
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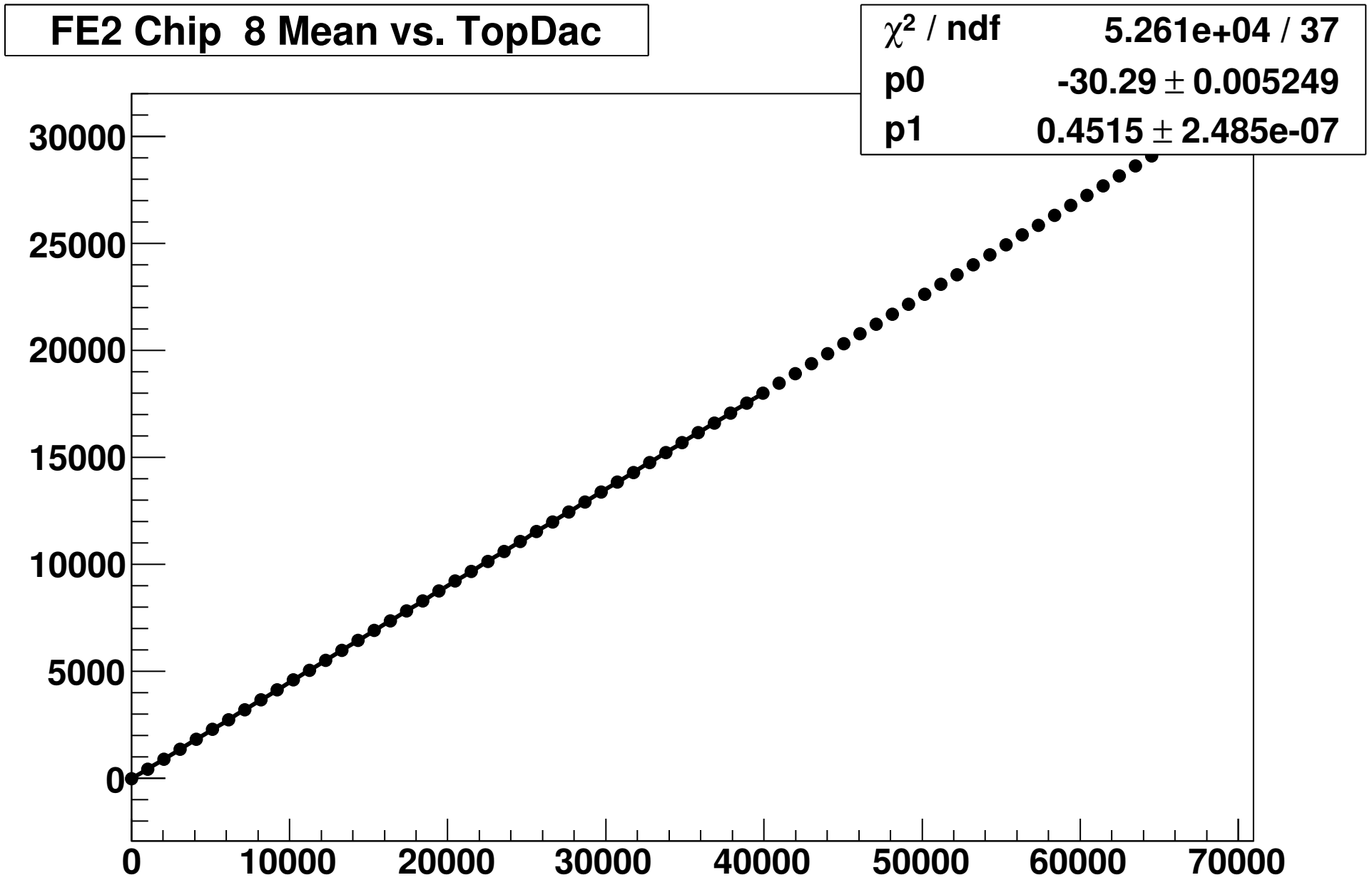
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 5.261e+04 / 37
p0 -30.29 ± 0.005249
p1 0.4515 ± 2.485e-07
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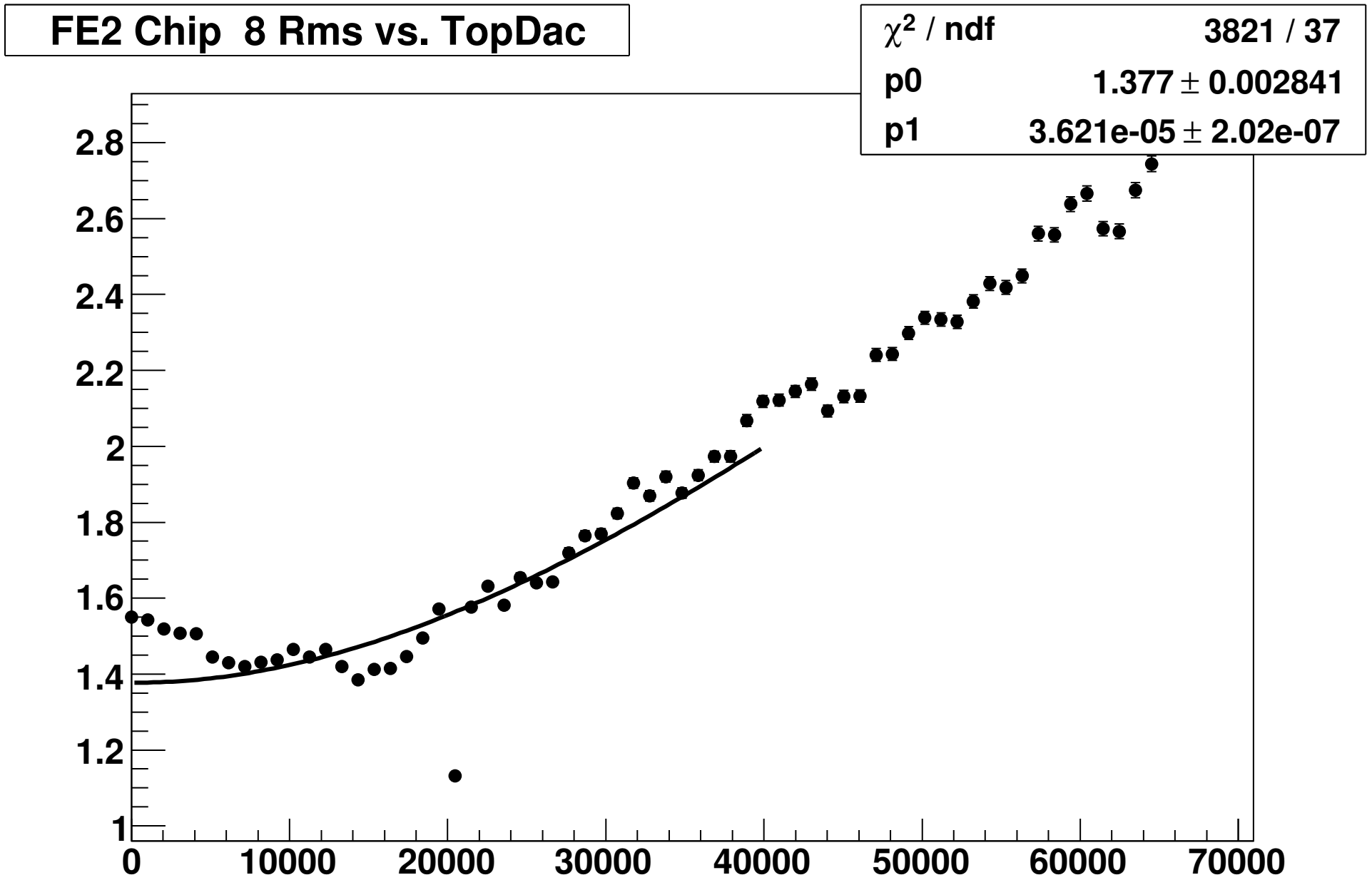
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 3821 / 37
p0 1.377 ± 0.002841
p1 3.621e-05 ± 2.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
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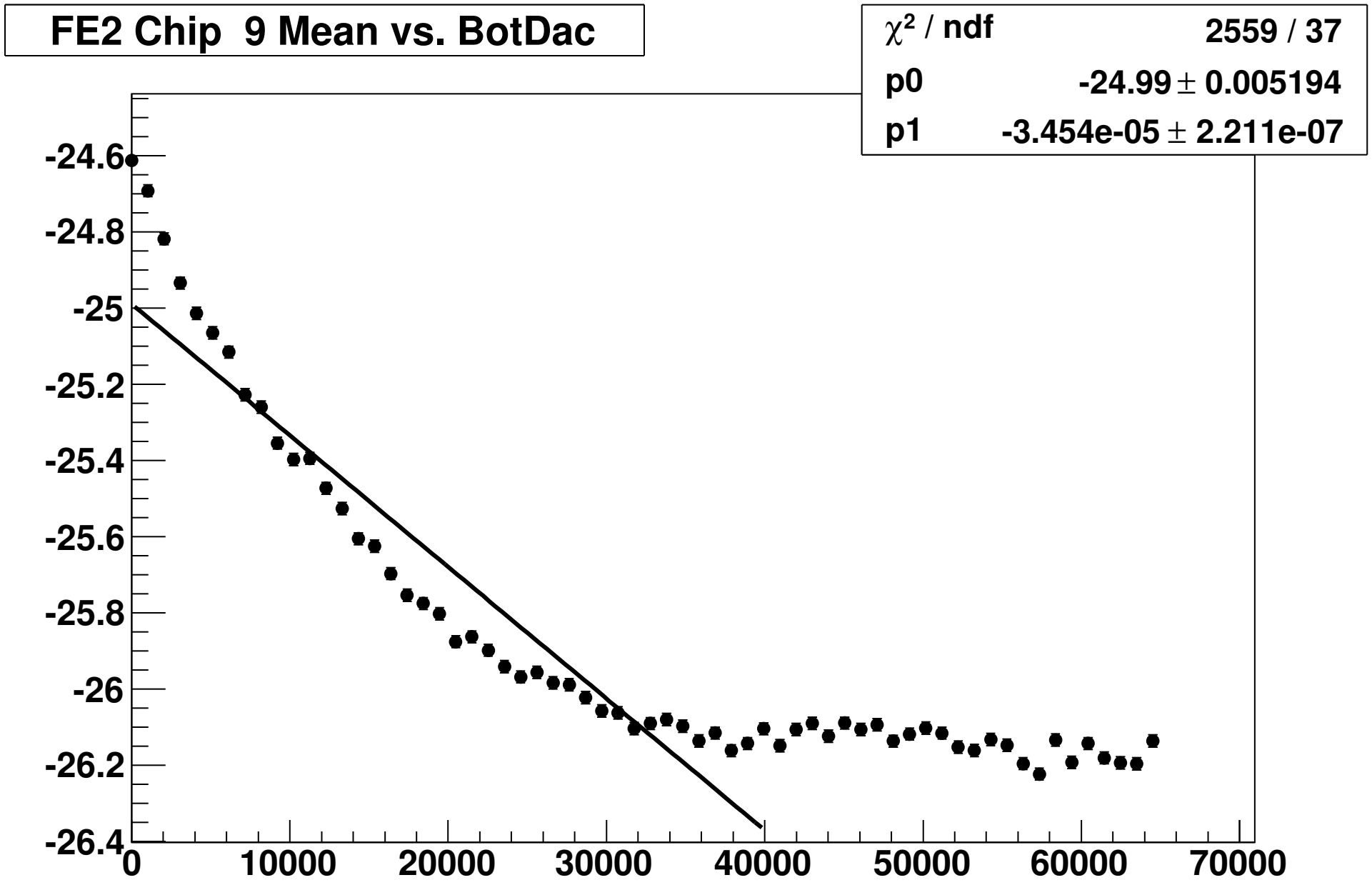
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 2559 / 37
p0 -24.99 ± 0.005194
p1 -3.454e-05 ± 2.211e-07
-24.6
-24.8
-25
-25.2
-25.4
-25.6
-25.8
-26
-26.2
-26.4
0
10000
20000
30000
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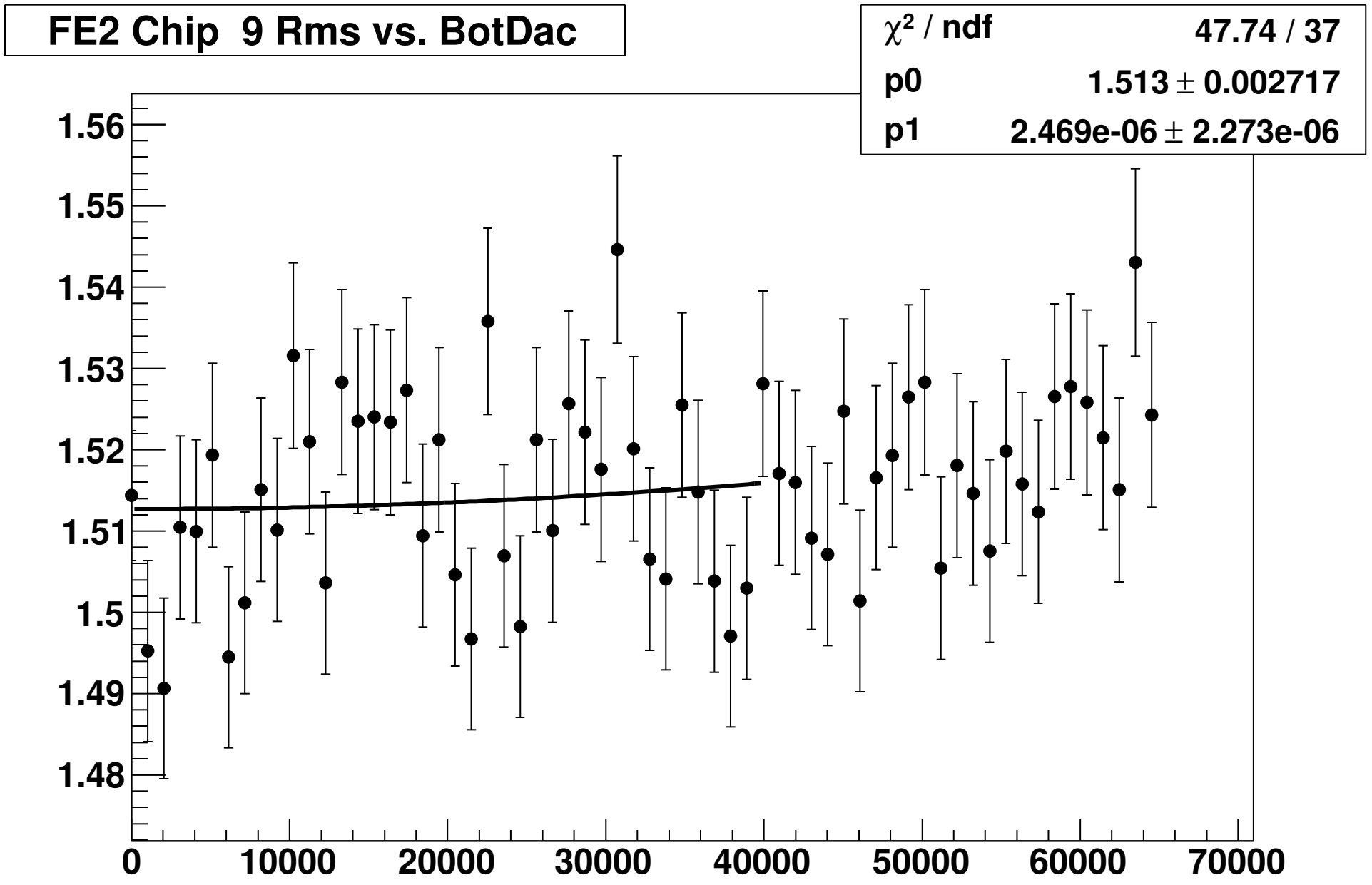
50000
60000
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 47.74 / 37
p0 1.513 ± 0.002717
p1 2.469e-06 ± 2.273e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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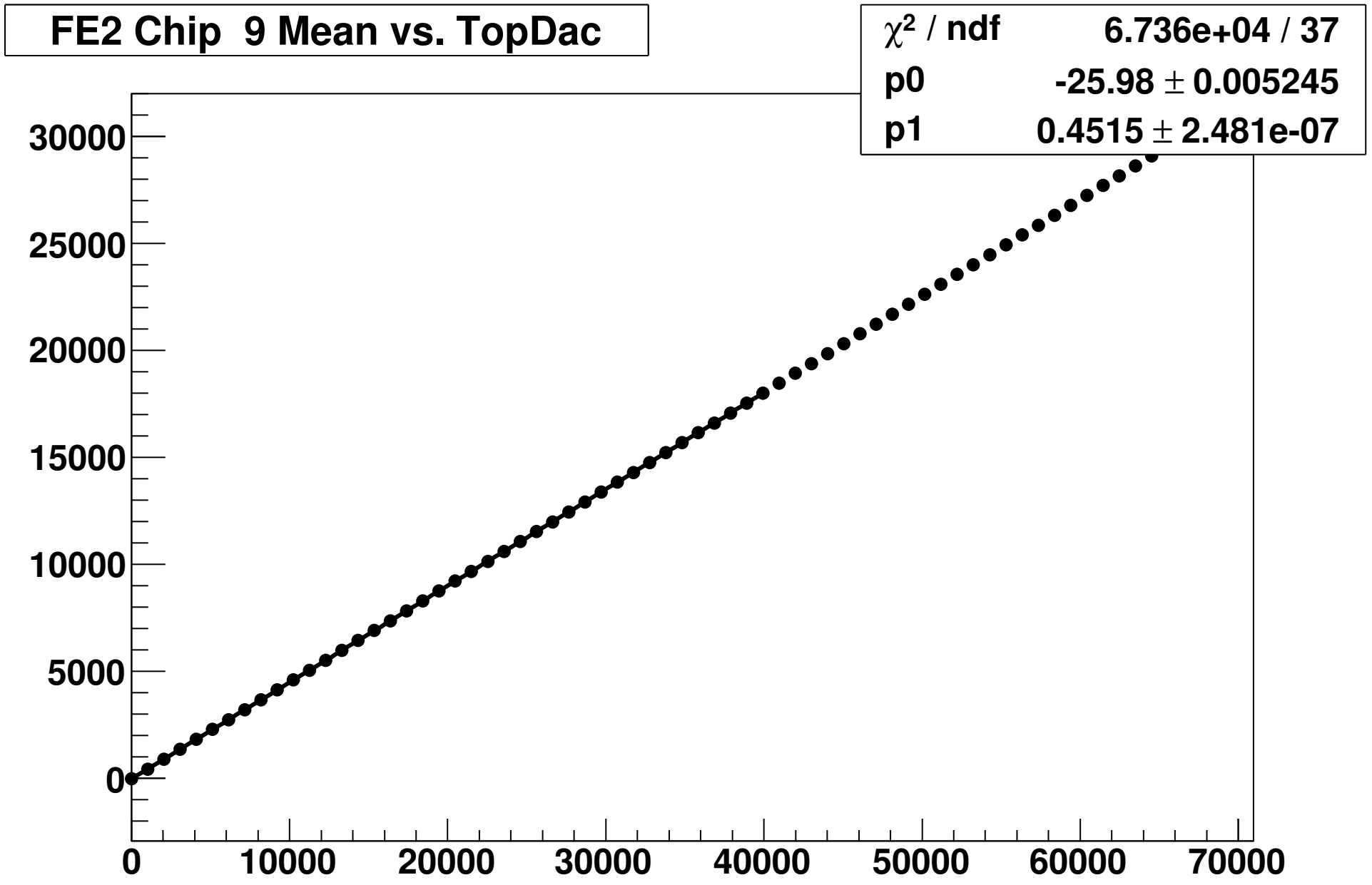
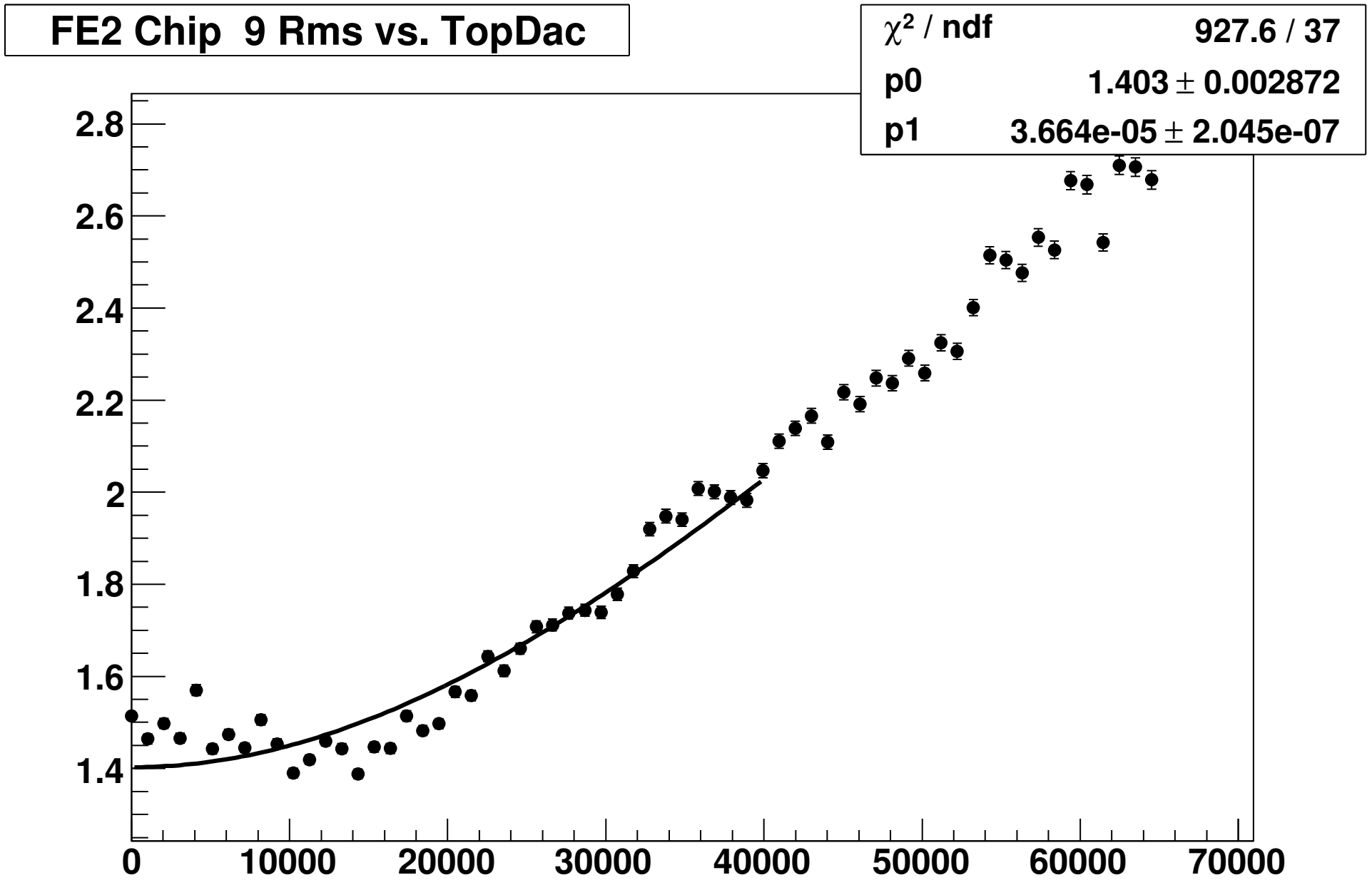

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 6.736e+04 / 37
p0 -25.98 ± 0.005245
p1 0.4515 ± 2.481e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 927.6 / 37
p0 1.403 ± 0.002872
p1 3.664e-05 ± 2.045e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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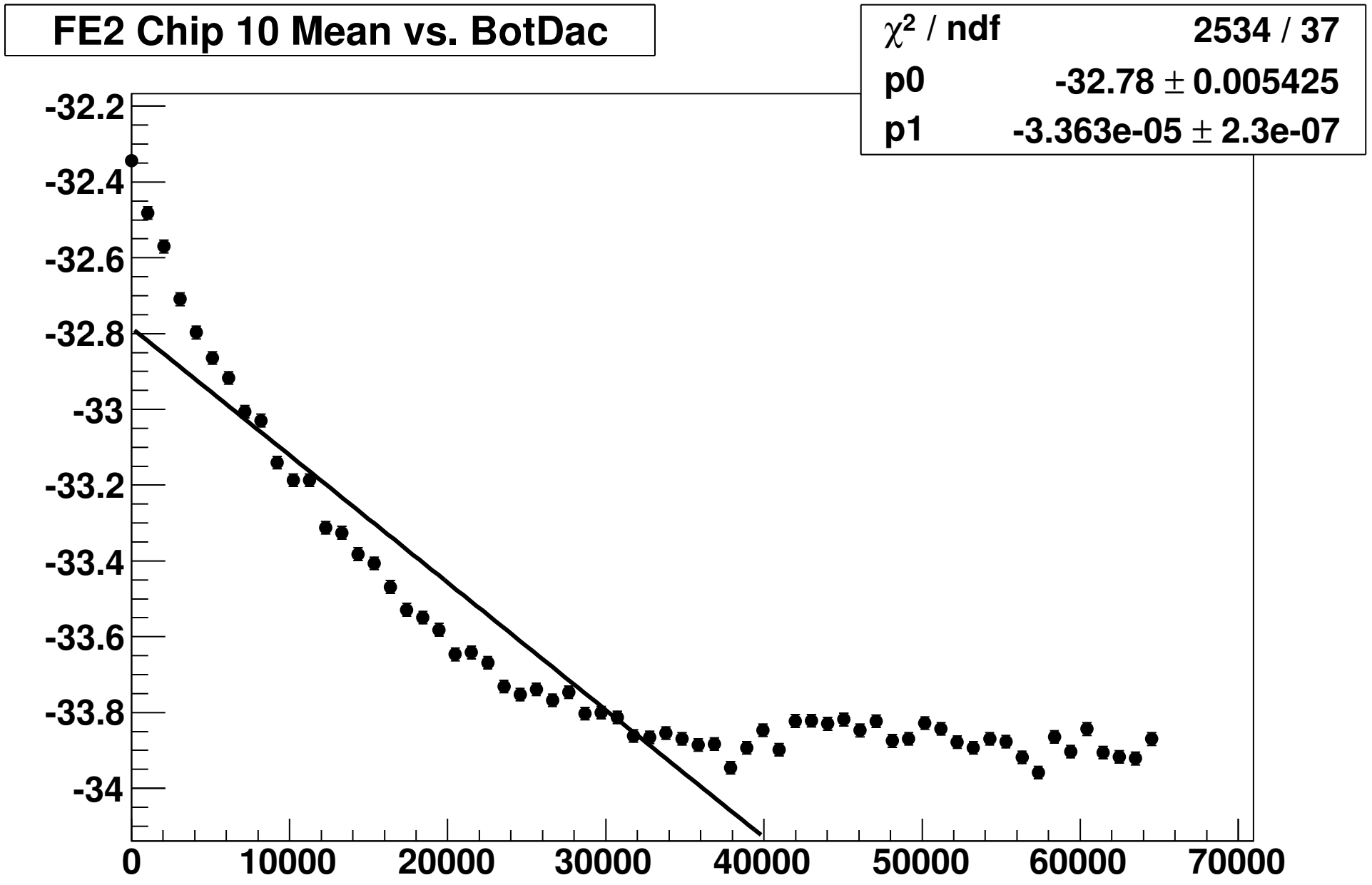
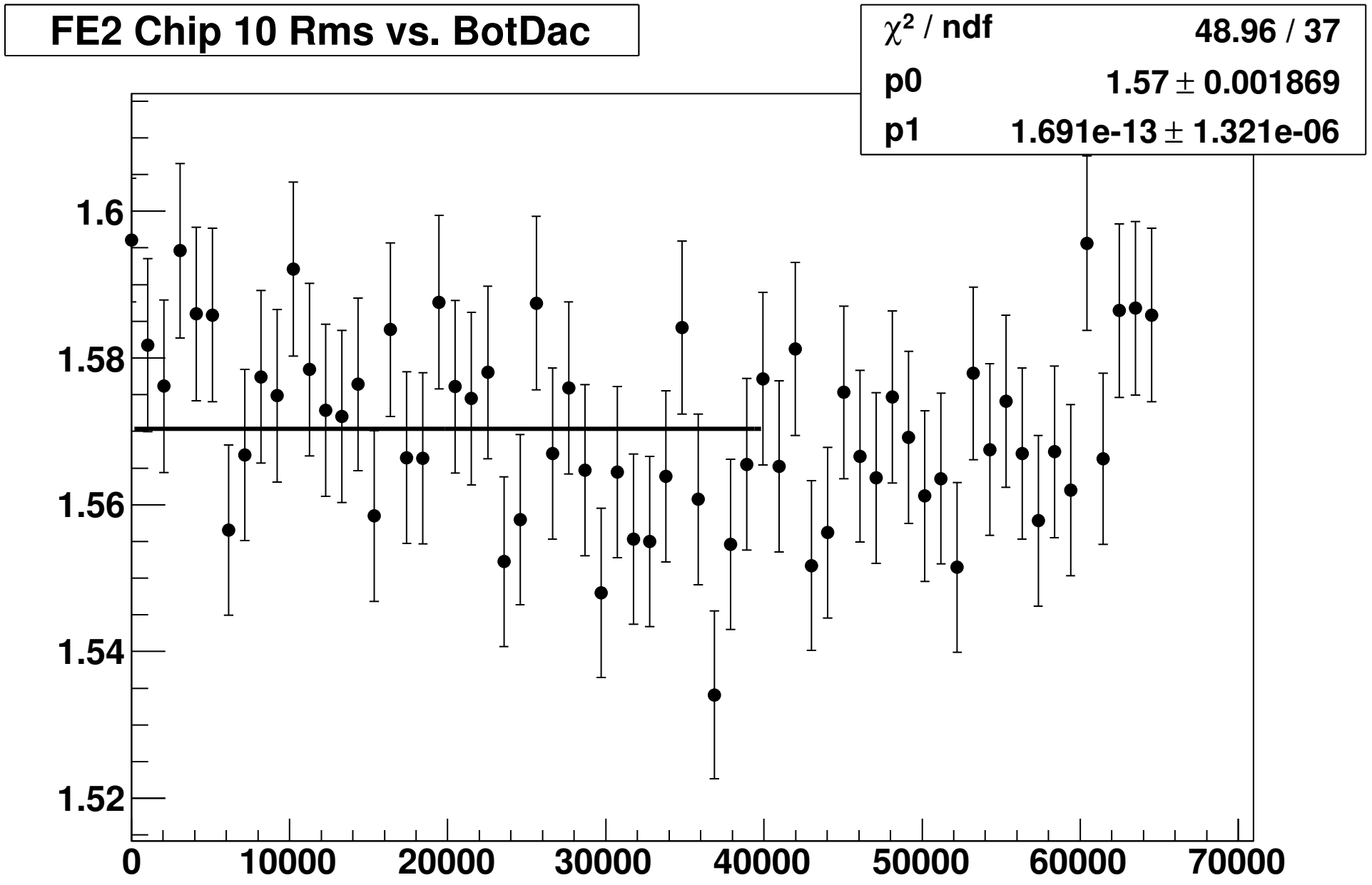
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 2534 / 37
p0 -32.78 ± 0.005425
p1 -3.363e-05 ± 2.3e-07
-32.2
-32.4
-32.6
-32.8
-33
-33.2
-33.4
-33.6
-33.8
-34
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 48.96 / 37
p0 1.57 ± 0.001869
p1 1.691e-13 ± 1.321e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
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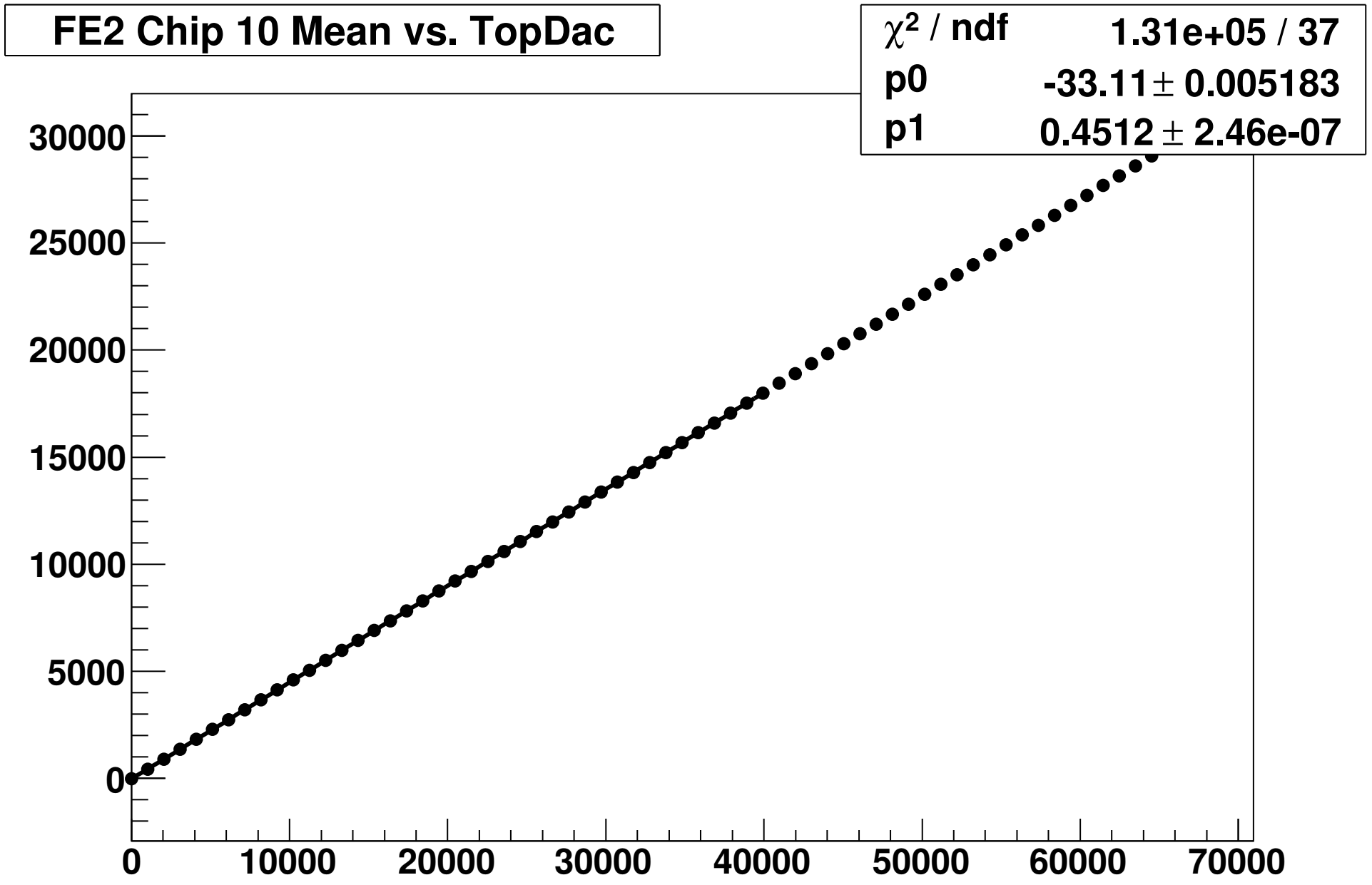
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.31e+05 / 37
p0 -33.11 ± 0.005183
p1 0.4512 ± 2.46e-07
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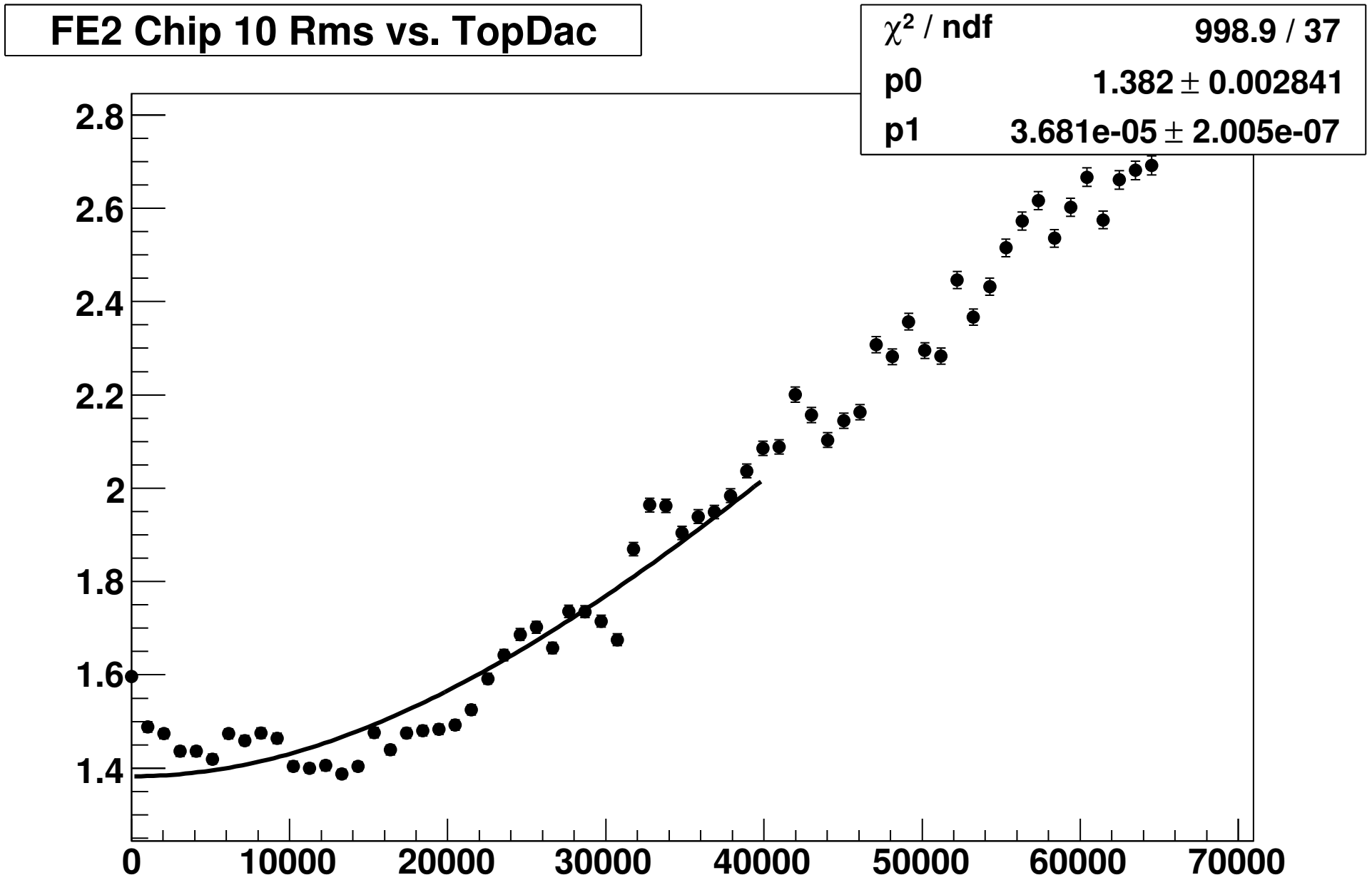
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 998.9 / 37
p0 1.382 ± 0.002841
p1 3.681e-05 ± 2.005e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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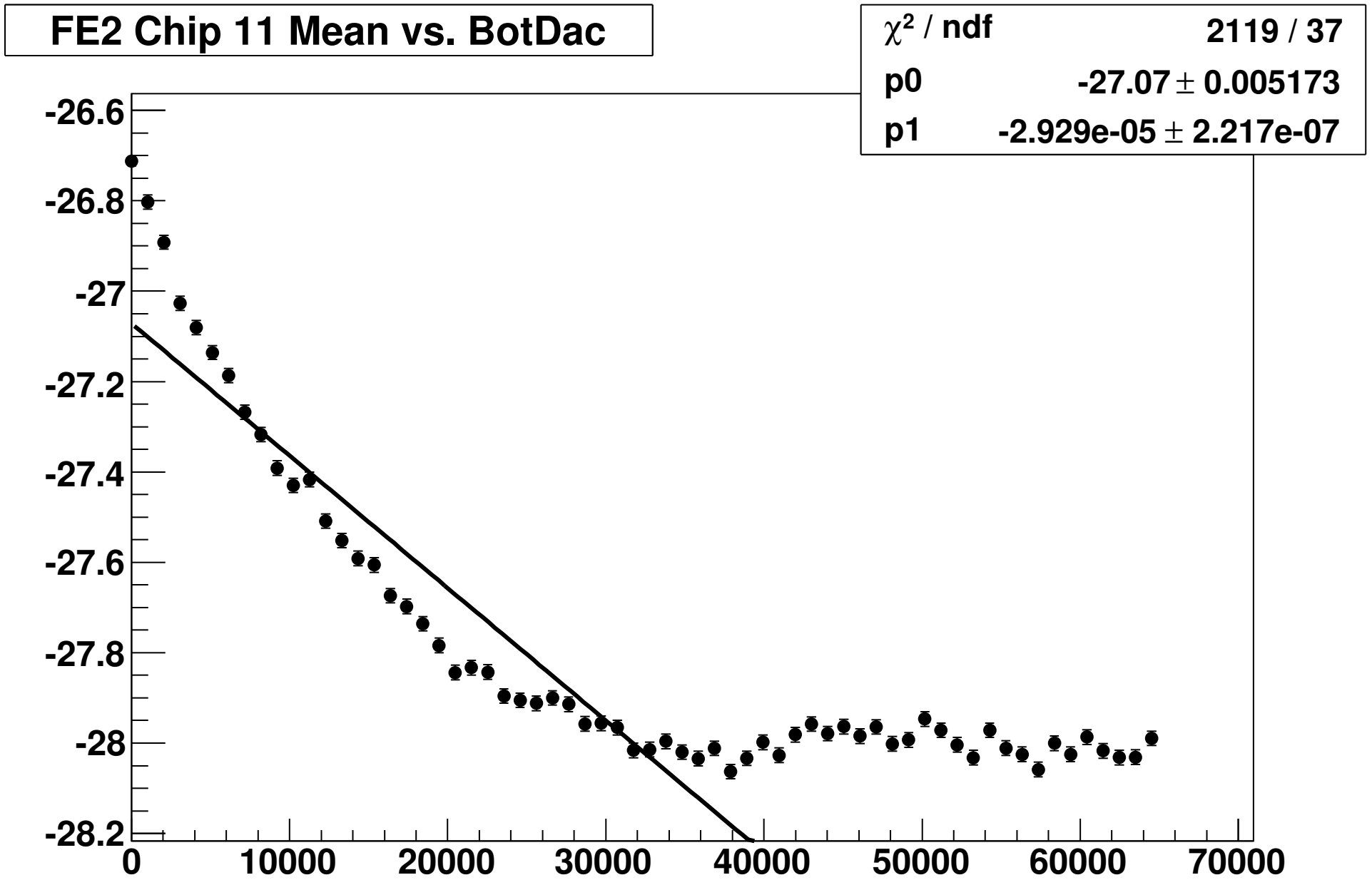
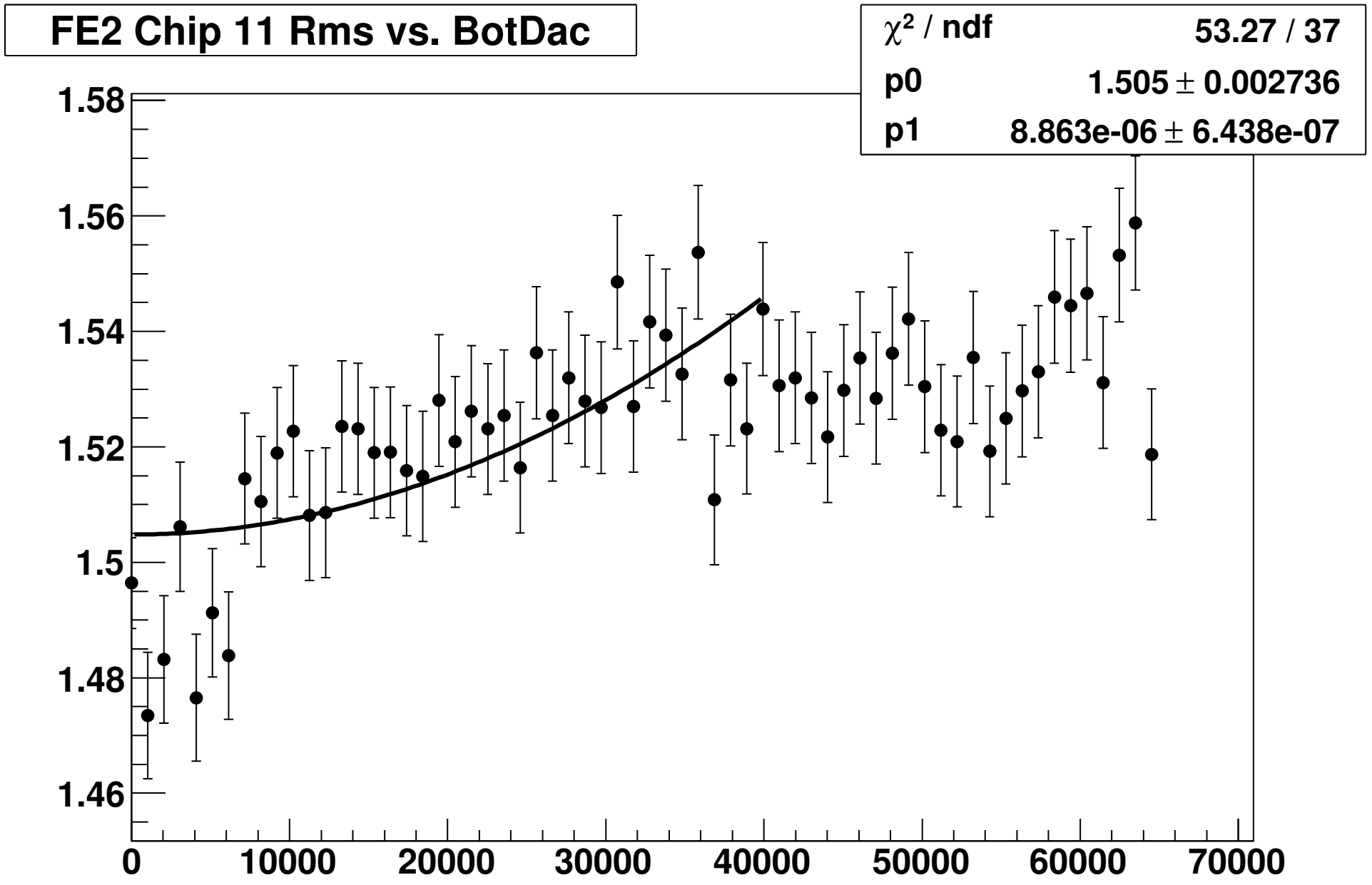
40000
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 2119 / 37
p0 -27.07 ± 0.005173
p1 -2.929e-05 ± 2.217e-07
-26.6
-26.8
-27
-27.2
-27.4
-27.6
-27.8
-28
-28.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 53.27 / 37
p0 1.505 ± 0.002736
p1 8.863e-06 ± 6.438e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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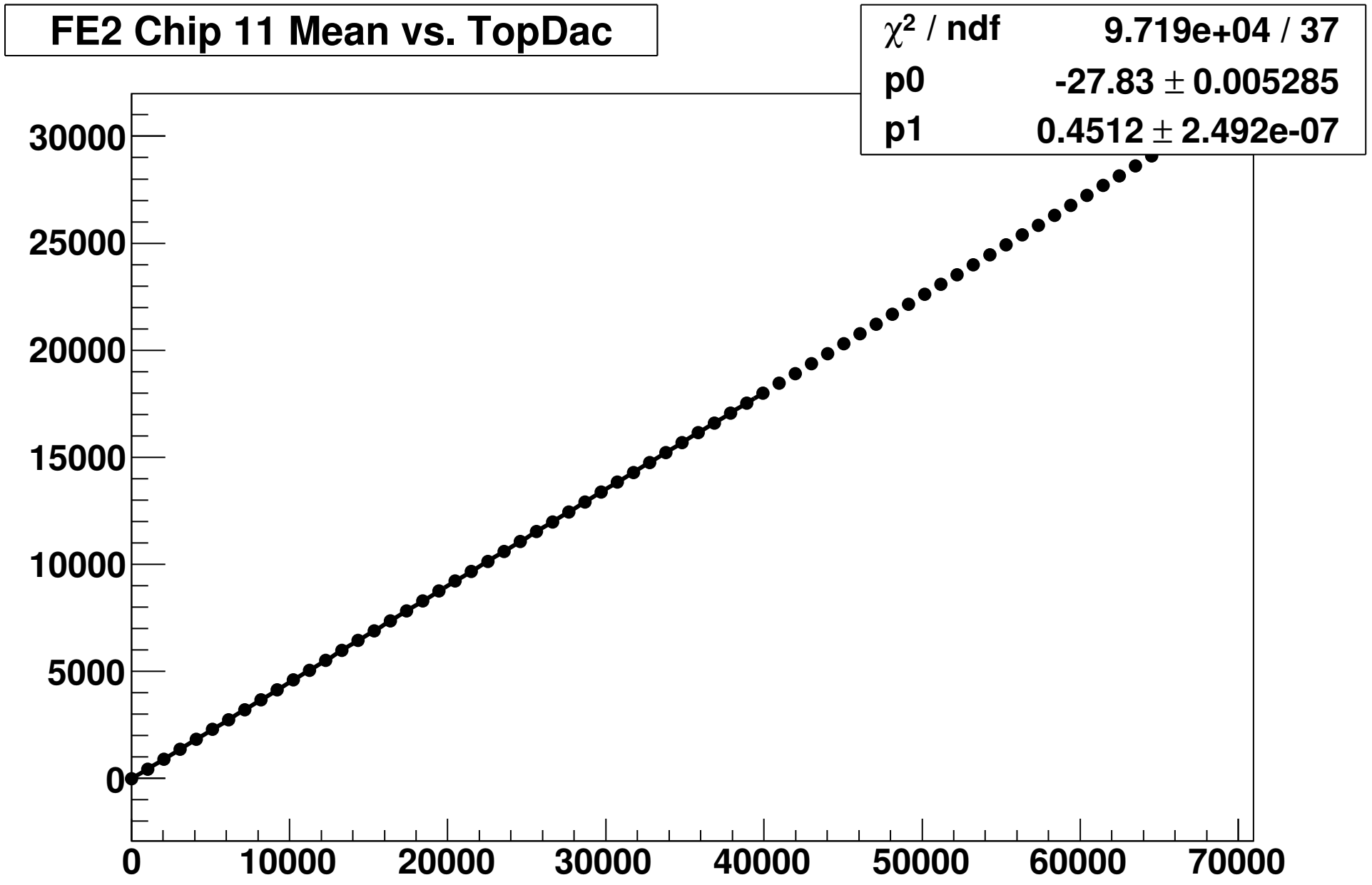
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 9.719e+04 / 37
p0 -27.83 ± 0.005285
p1 0.4512 ± 2.492e-07
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5000
0
0
10000
20000
30000
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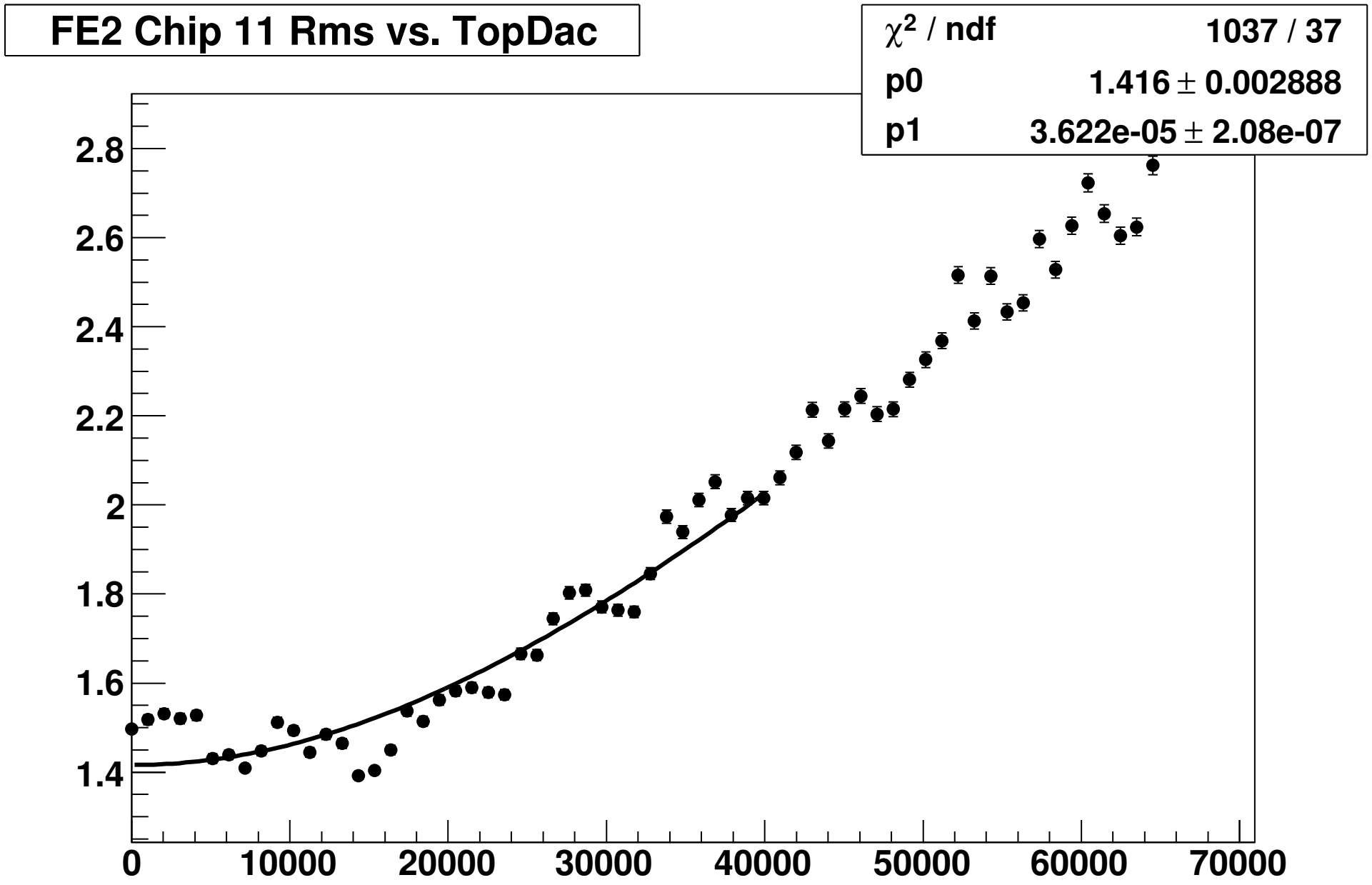
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1037 / 37
p0 1.416 ± 0.002888
p1 3.622e-05 ± 2.08e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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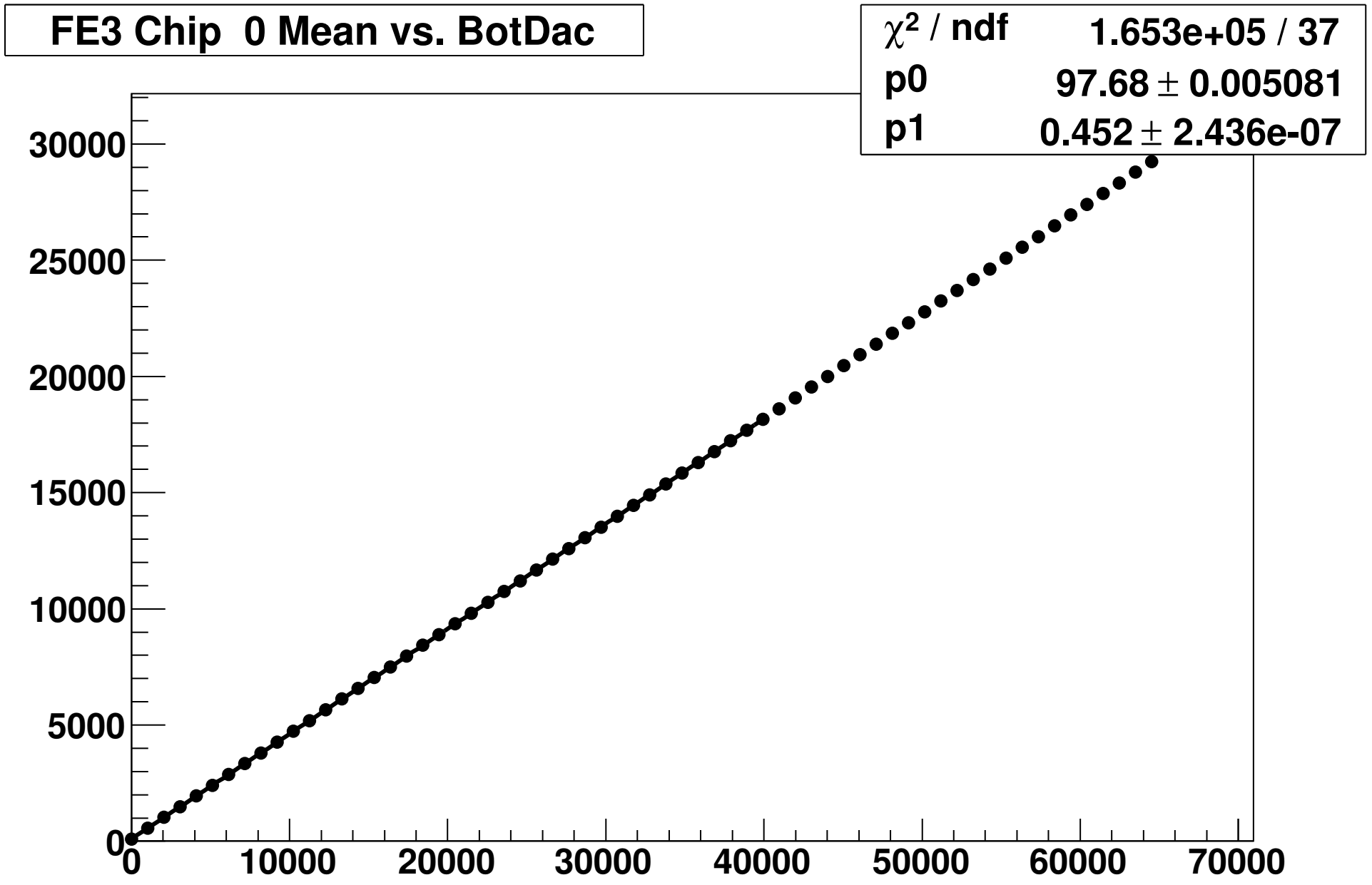
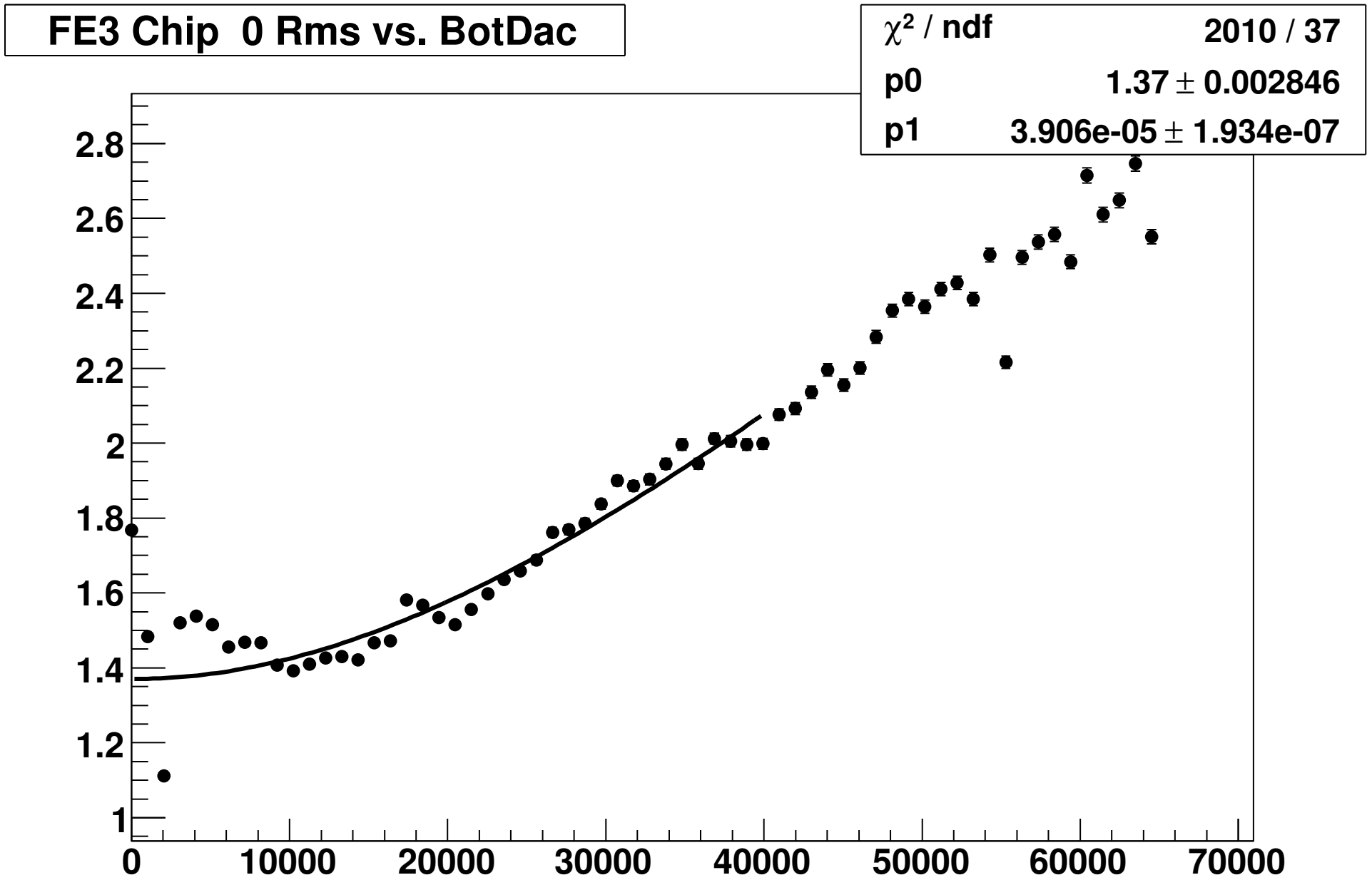

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.653e+05 / 37
p0 97.68 ± 0.005081
p1 0.452 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 2010 / 37
p0 1.37 ± 0.002846
p1 3.906e-05 ± 1.934e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
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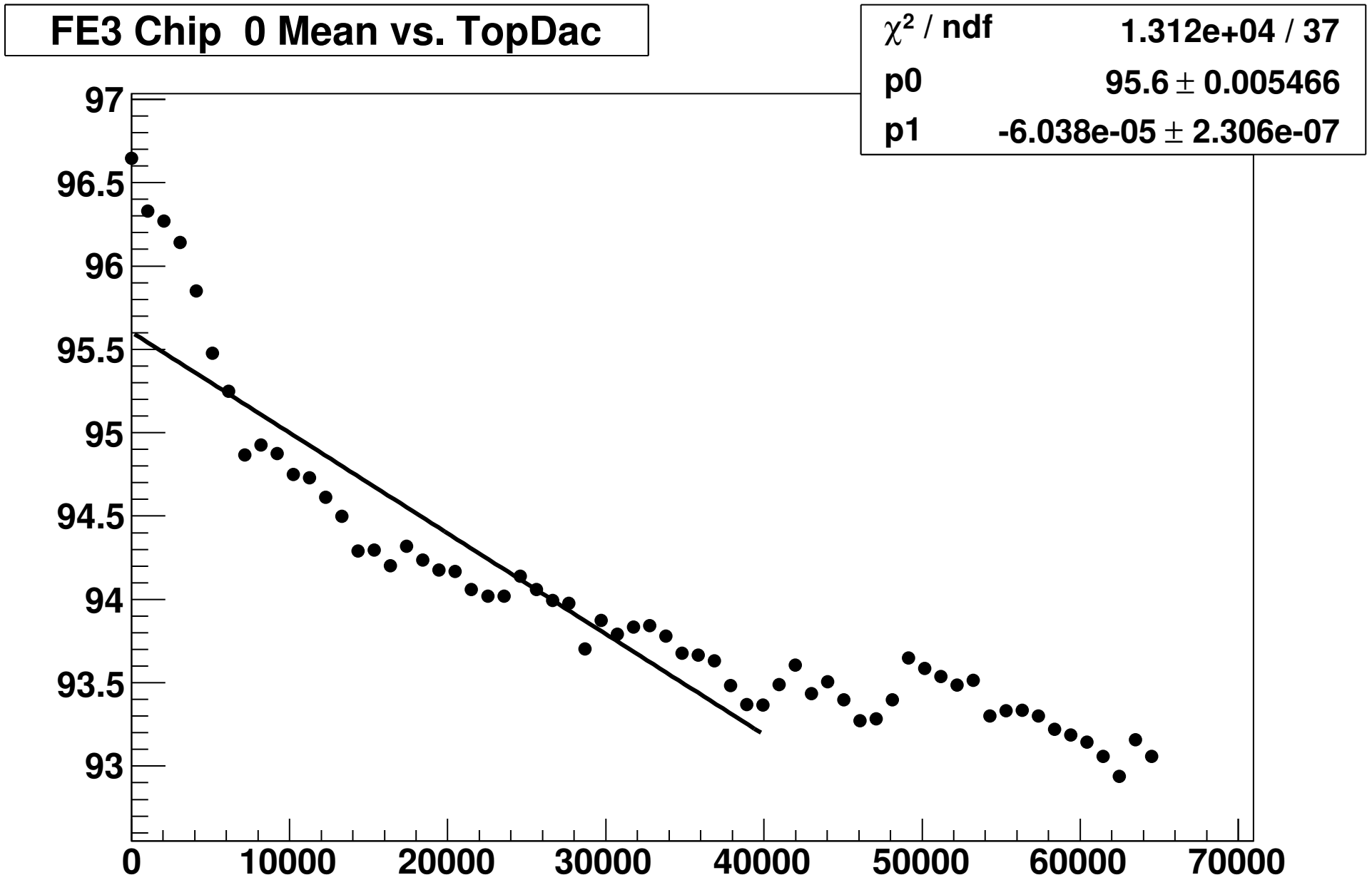
FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1.312e+04 / 37
p0 95.6 ± 0.005466
p1 -6.038e-05 ± 2.306e-07
97
96.5
96
95.5
95
94.5
94
93.5
93
0
10000
20000
30000
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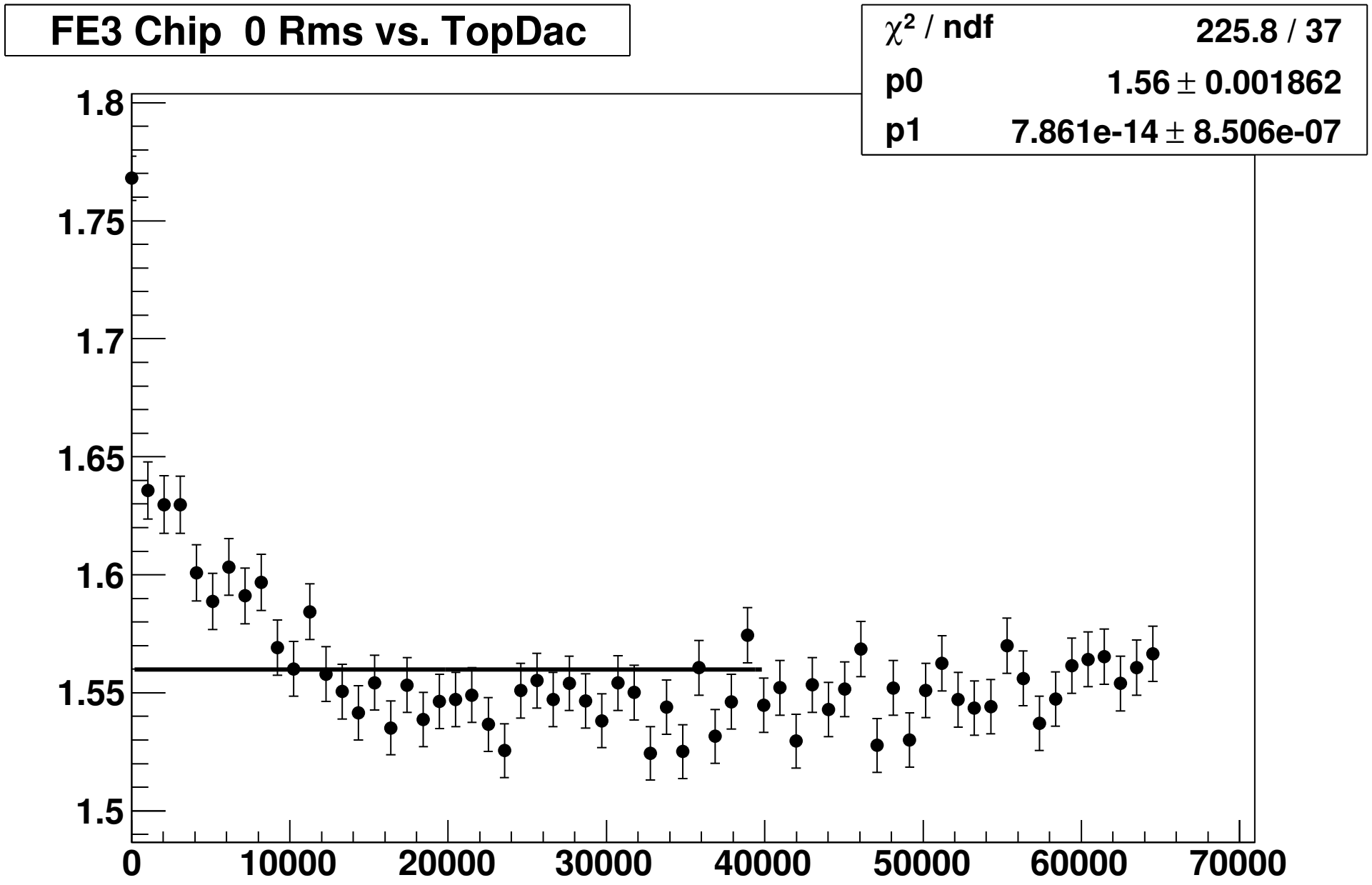
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 225.8 / 37
p0 1.56 ± 0.001862
p1 7.861e-14 ± 8.506e-07
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
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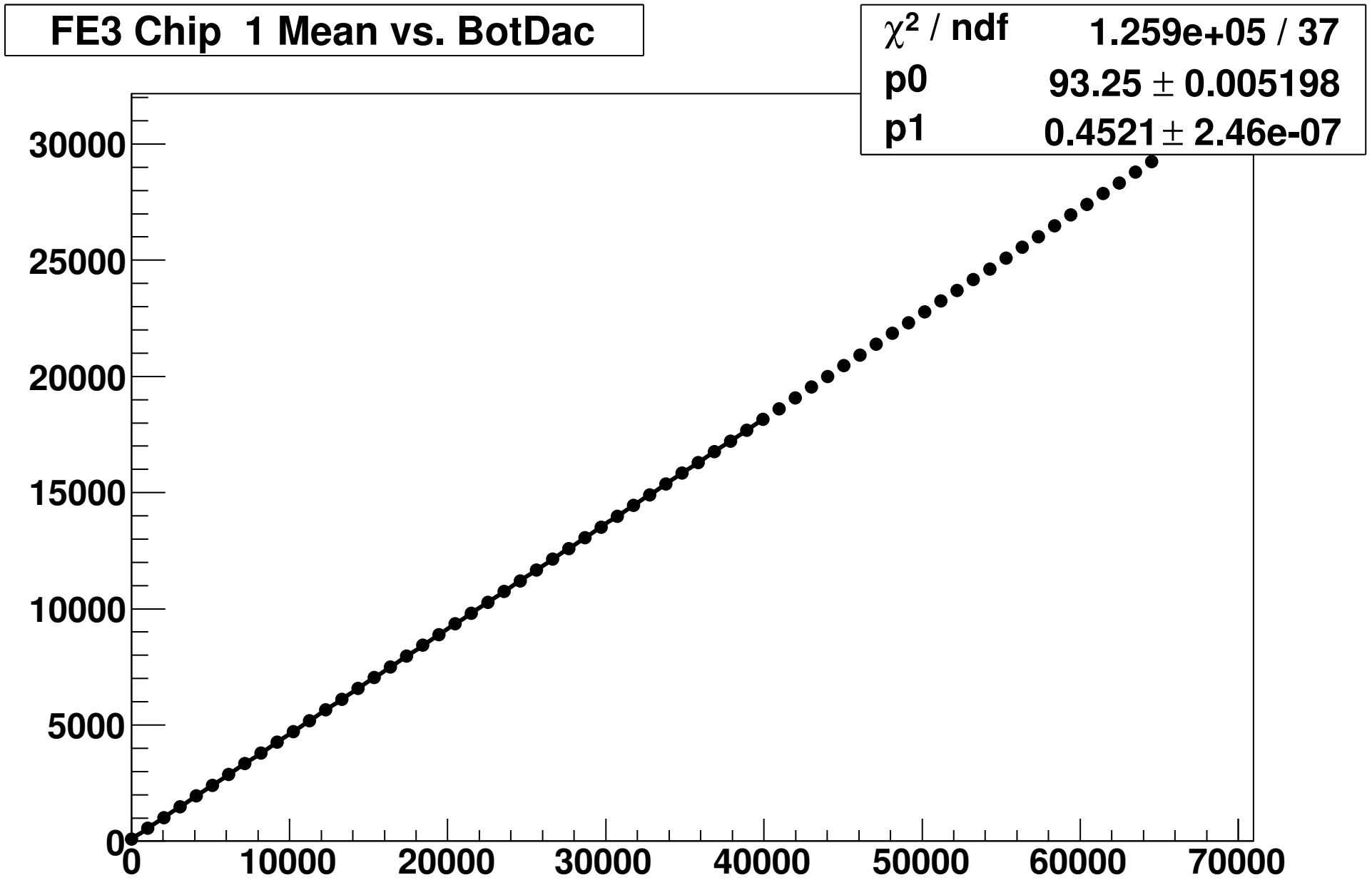
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.259e+05 / 37
p0 93.25 ± 0.005198
p1 0.4521 ± 2.46e-07
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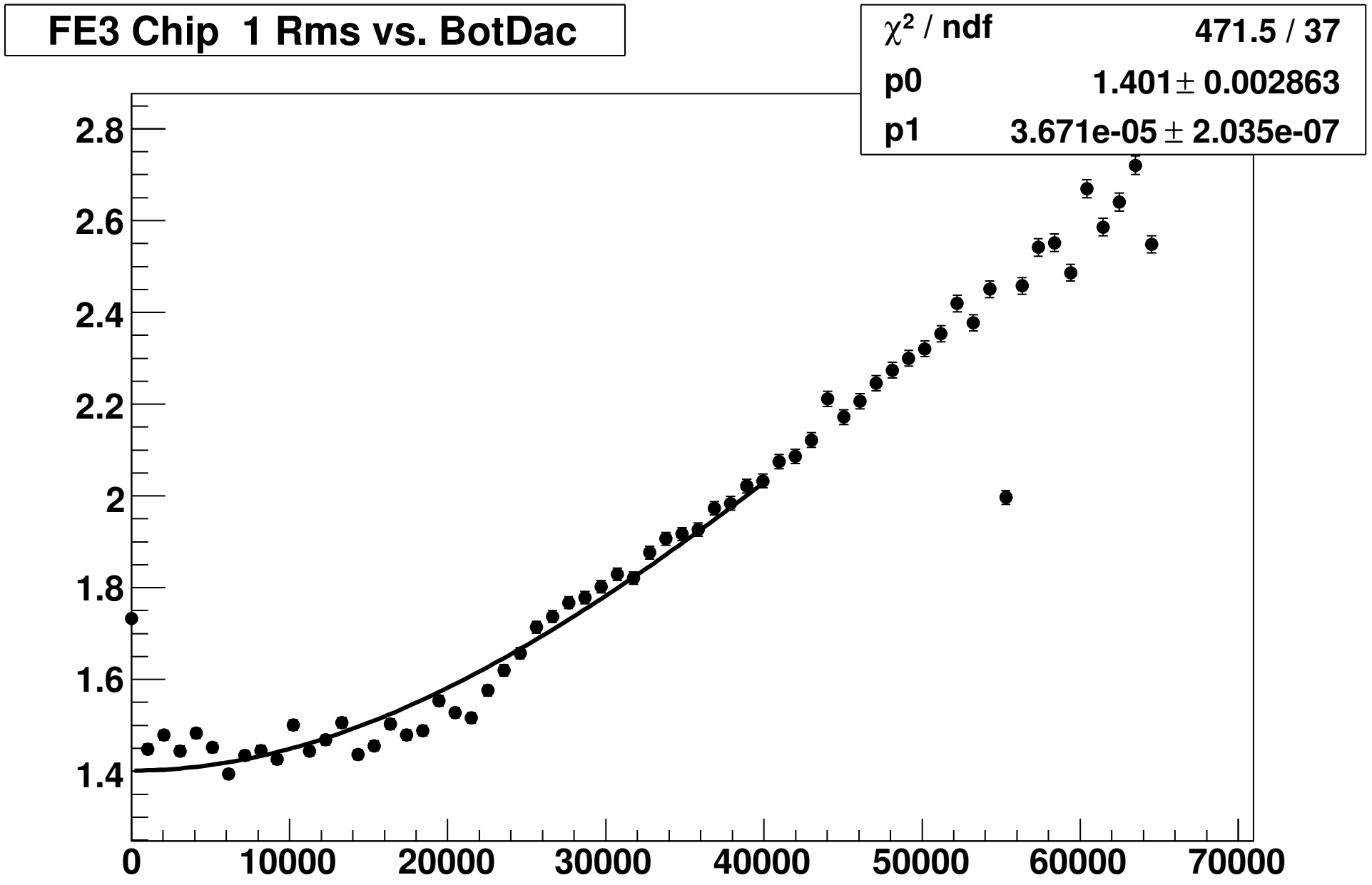
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 471.5 / 37
p0 1.401 ± 0.002863
p1 3.671e-05 ± 2.035e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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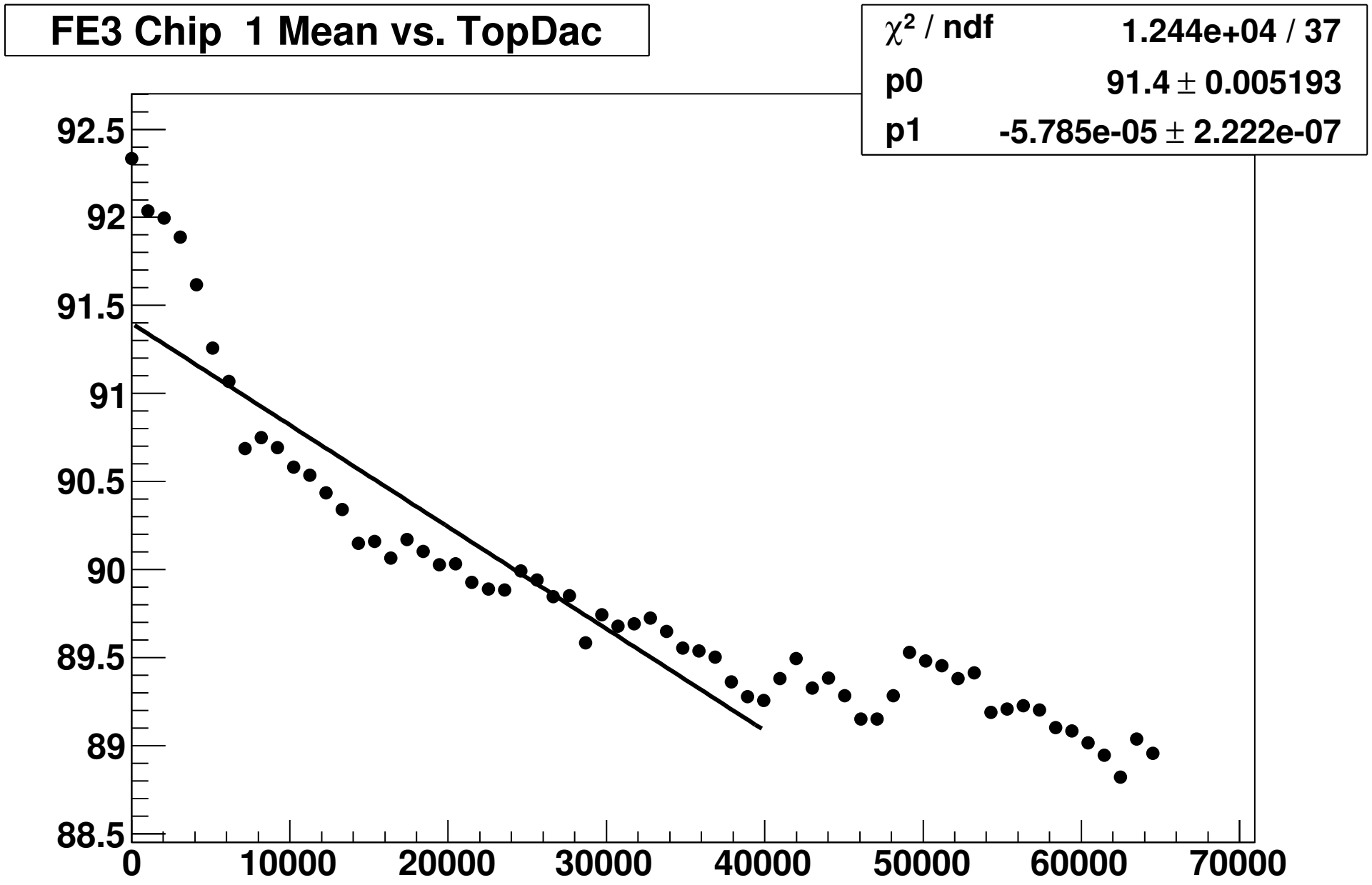
FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1.244e+04 / 37
p0 91.4 ± 0.005193
p1 -5.785e-05 ± 2.222e-07
92.5
92
91.5
91
90.5
90
89.5
89
88.5
0
10000
20000
30000
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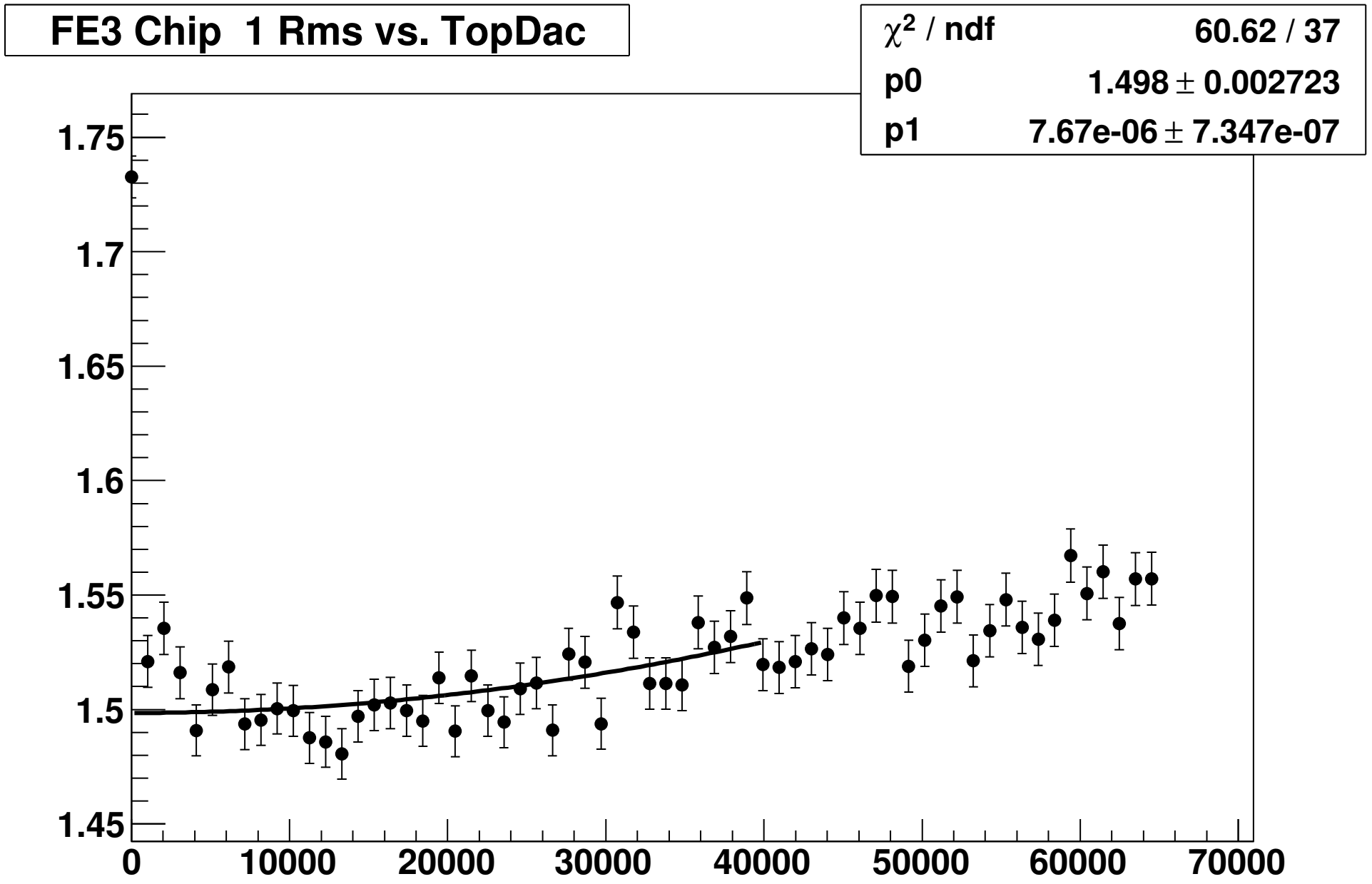
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 60.62 / 37
p0 1.498 ± 0.002723
p1 7.67e-06 ± 7.347e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
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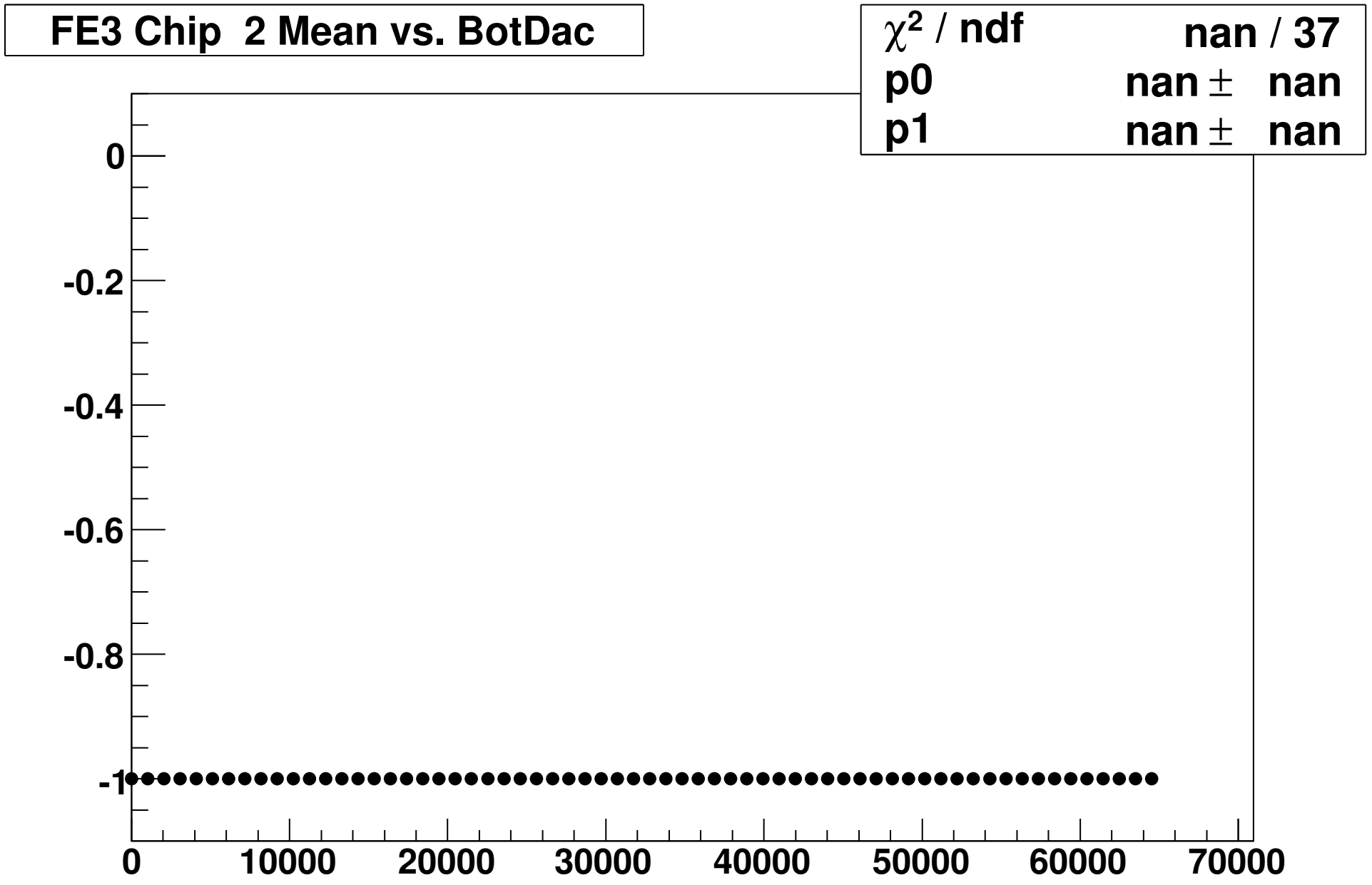
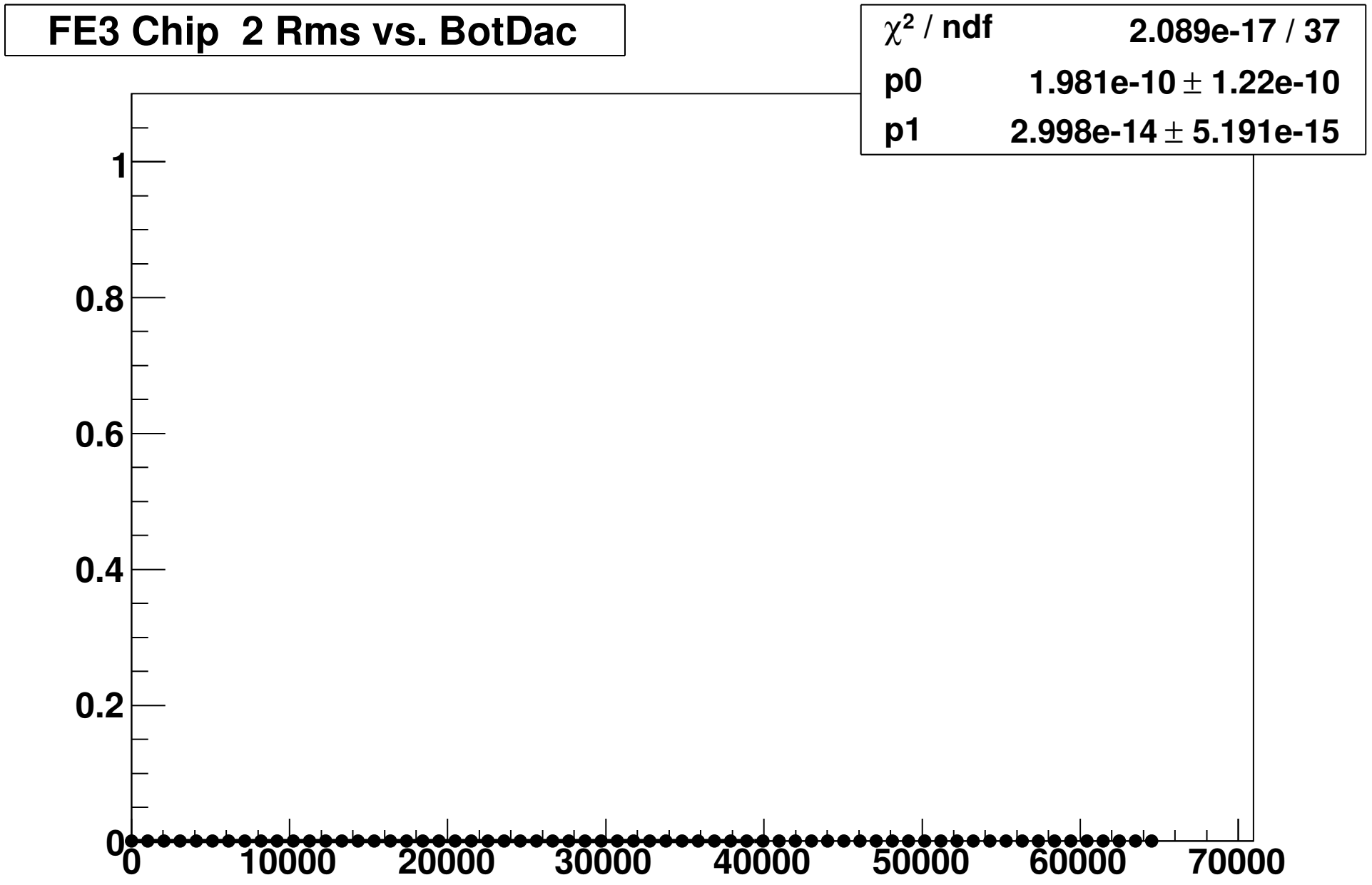
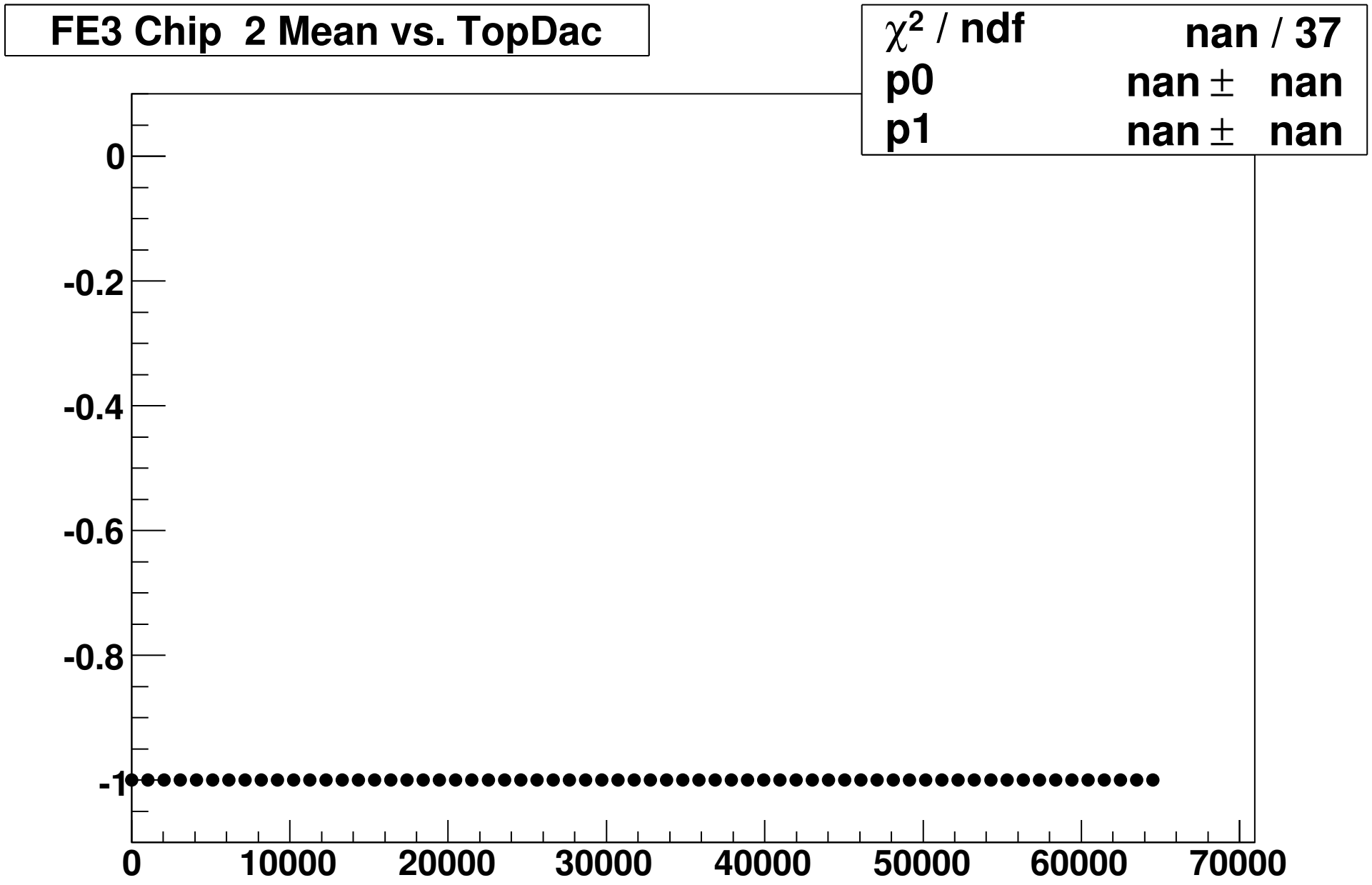

FE3 Chip 2 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
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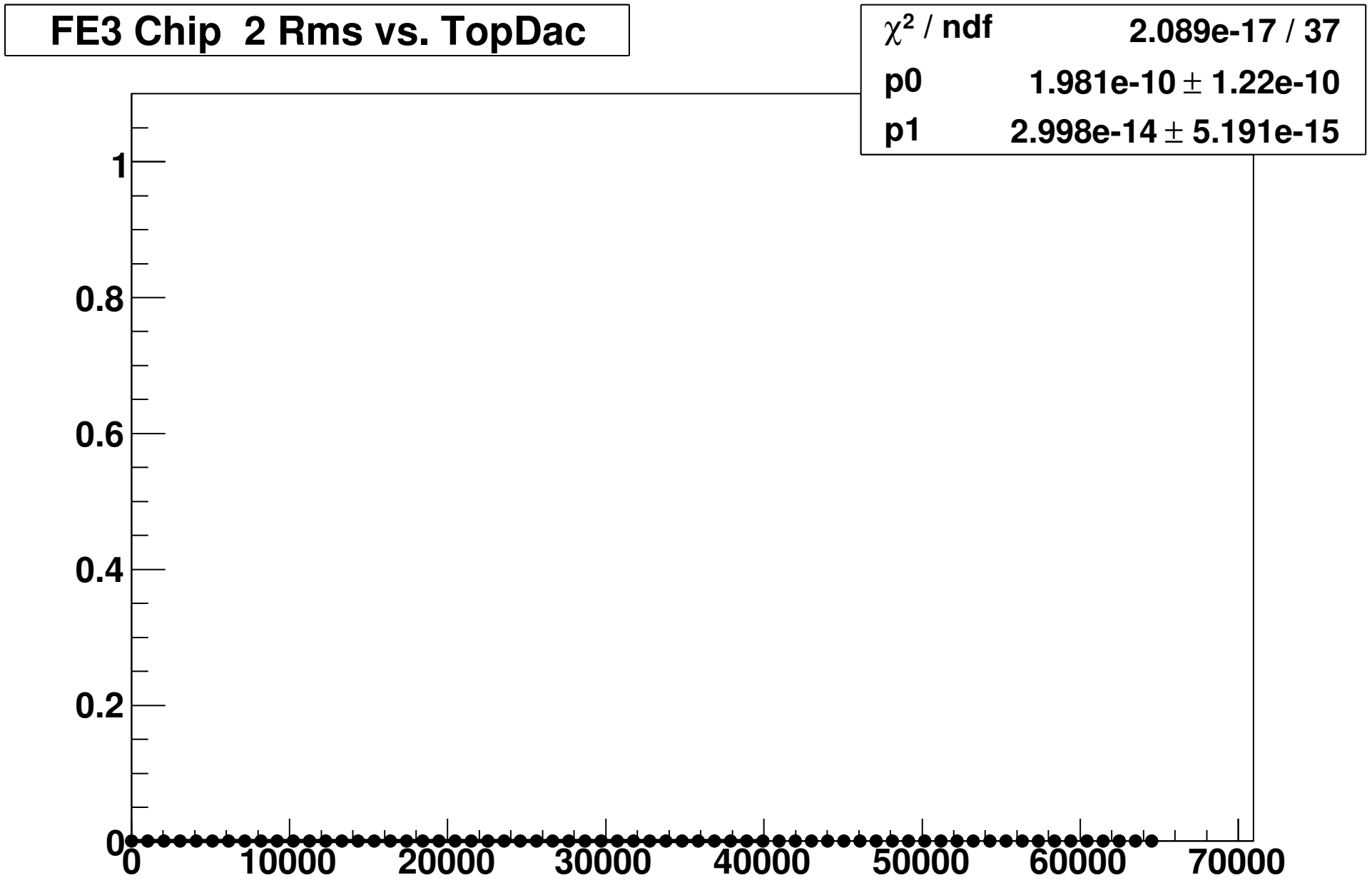
FE3 Chip 2 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
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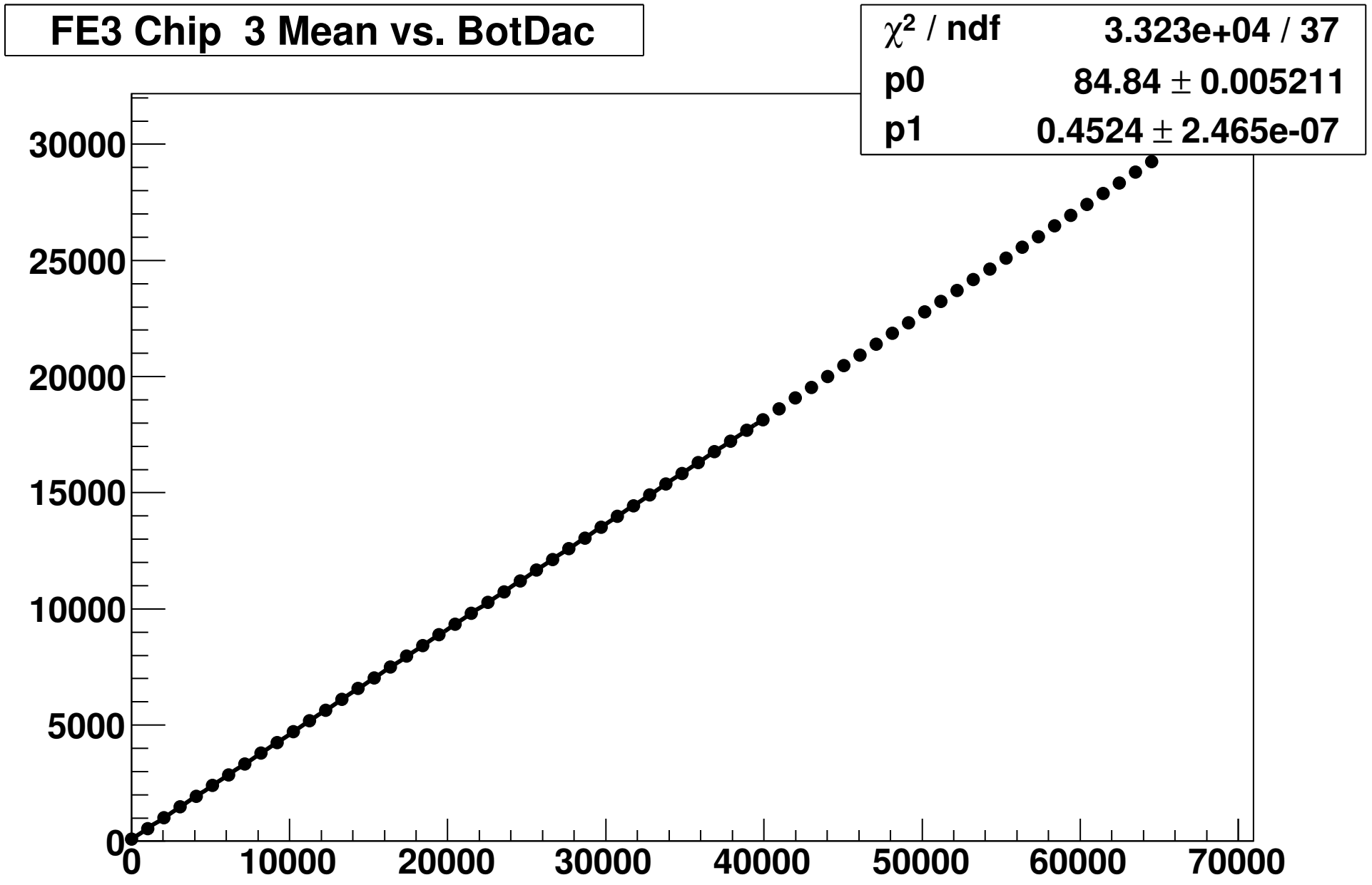
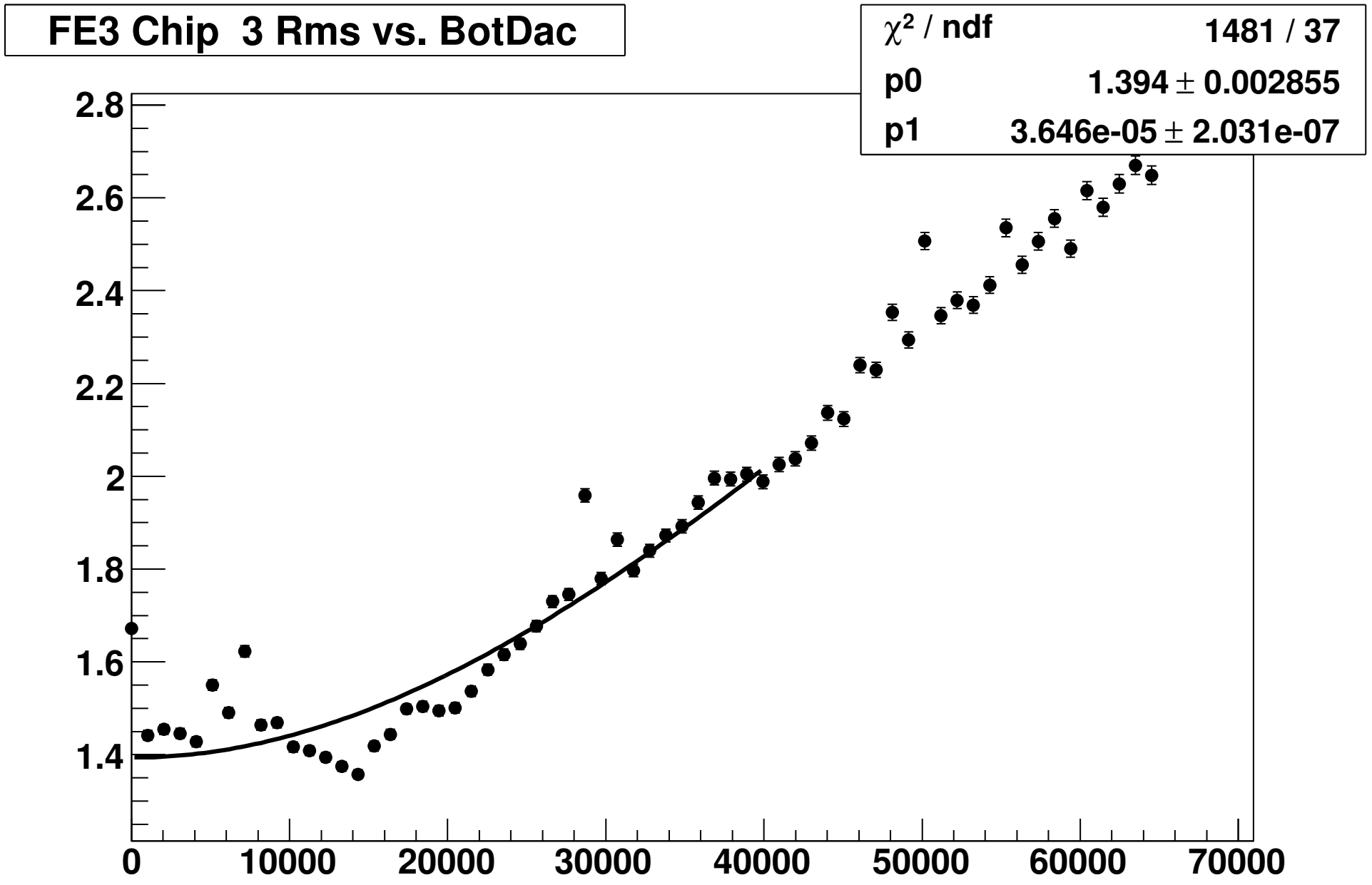

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 3.323e+04 / 37
p0 84.84 ± 0.005211
p1 0.4524 ± 2.465e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1481 / 37
p0 1.394 ± 0.002855
p1 3.646e-05 ± 2.031e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
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60000
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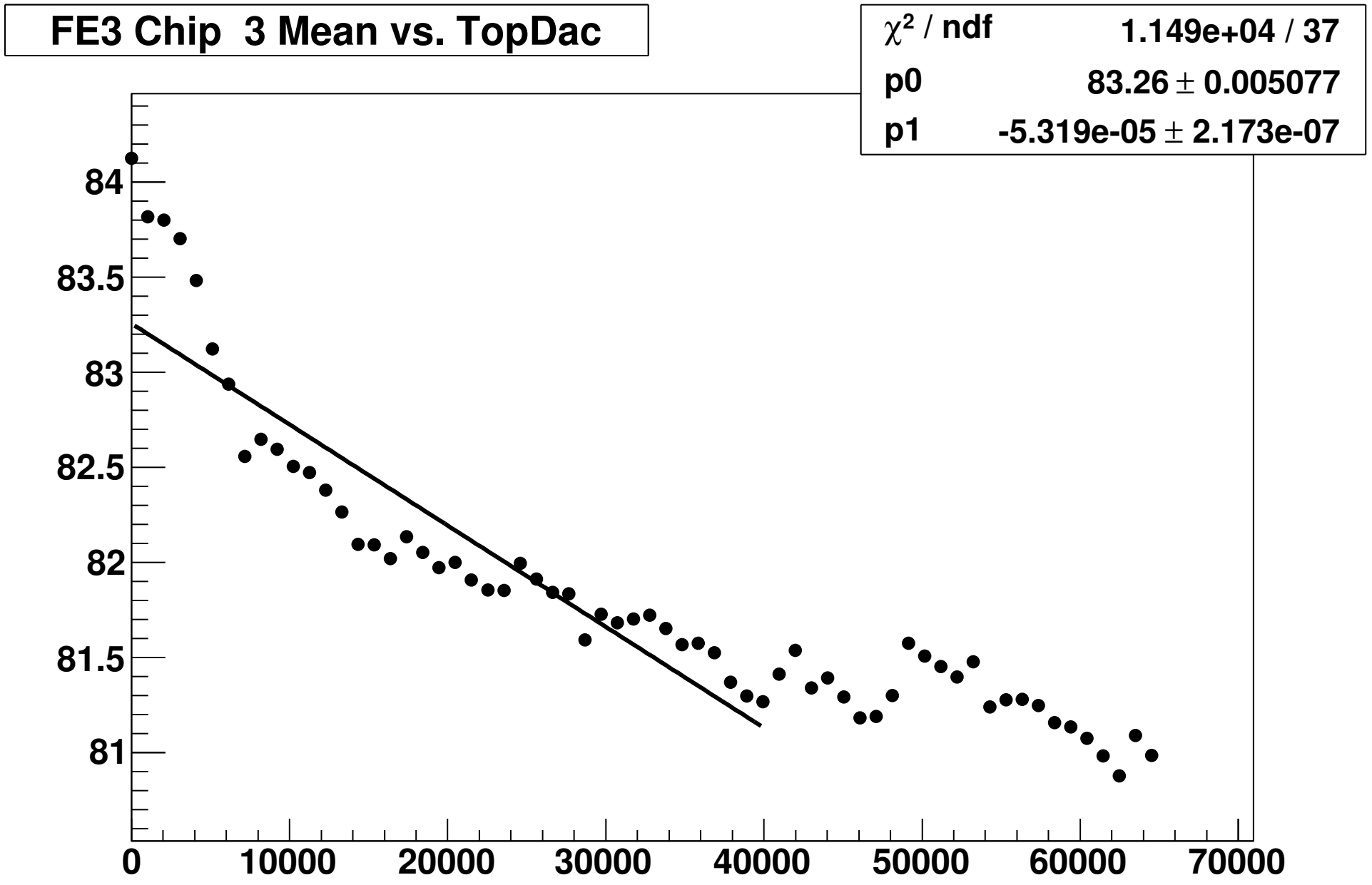
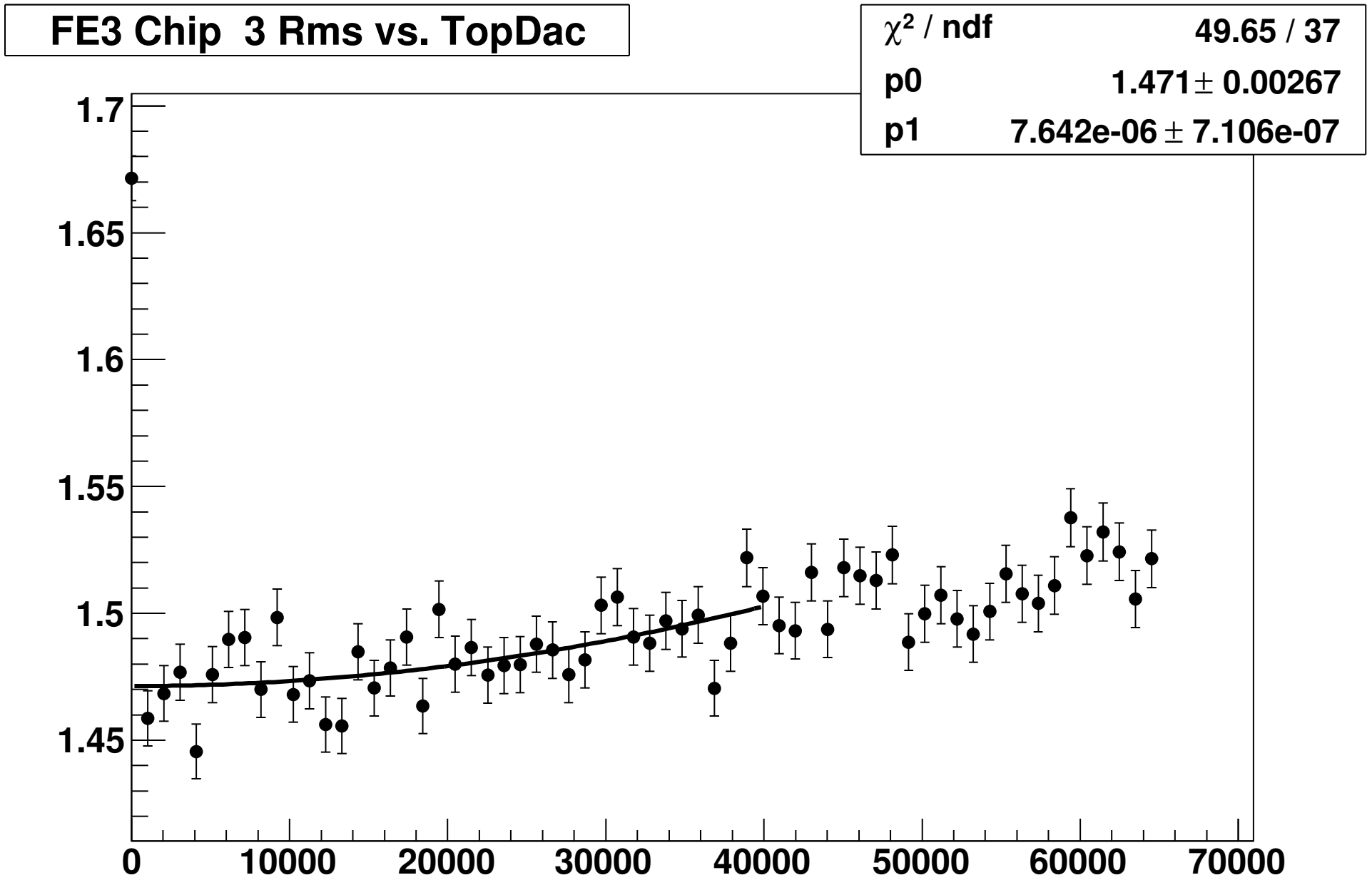

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1.149e+04 / 37
p0 83.26 ± 0.005077
p1 -5.319e-05 ± 2.173e-07
84
83.5
83
82.5
82
81.5
81
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 49.65 / 37
p0 1.471 ± 0.00267
p1 7.642e-06 ± 7.106e-07
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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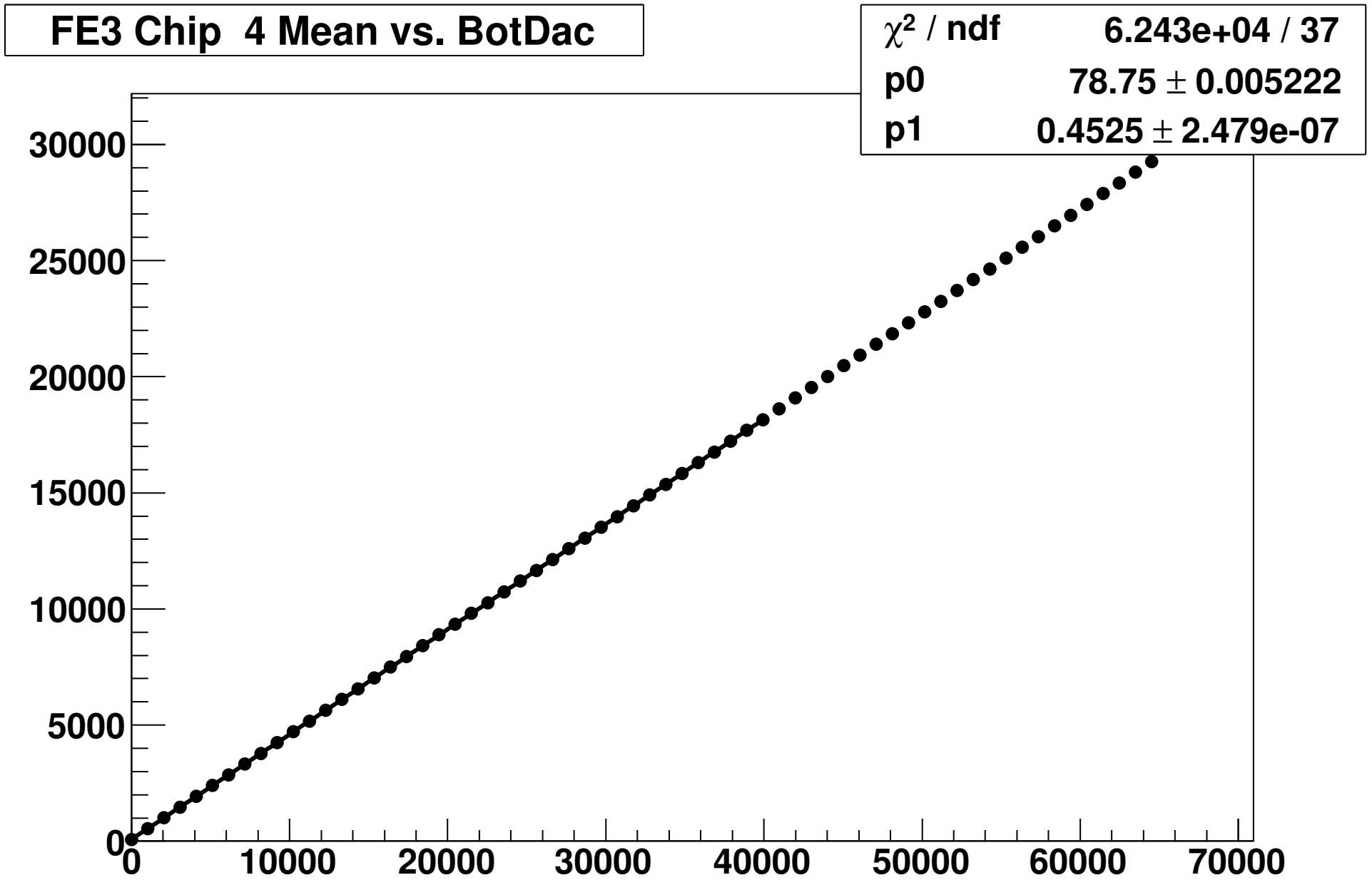
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 6.243e+04 / 37
p0 78.75 ± 0.005222
p1 0.4525 ± 2.479e-07
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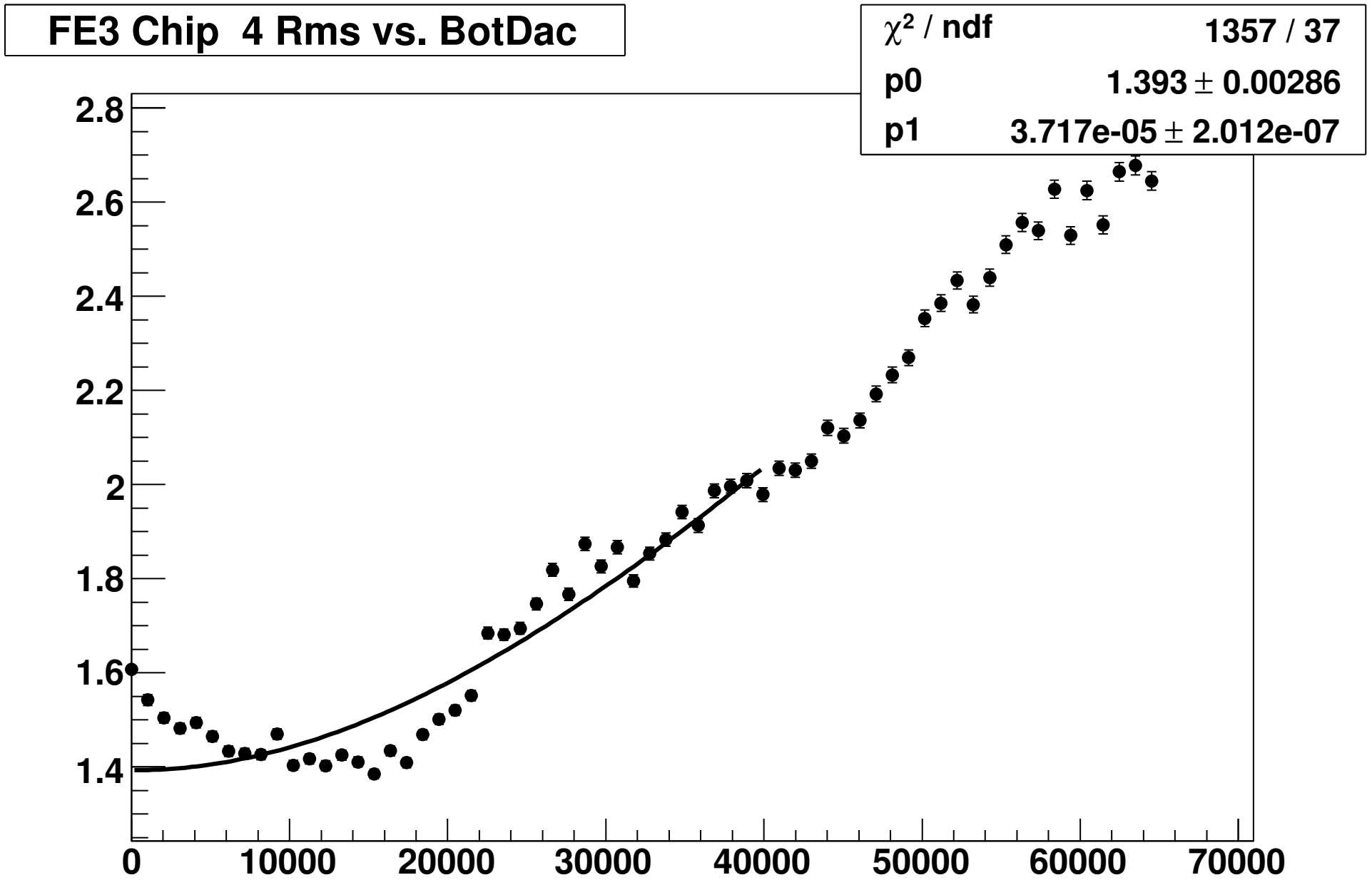
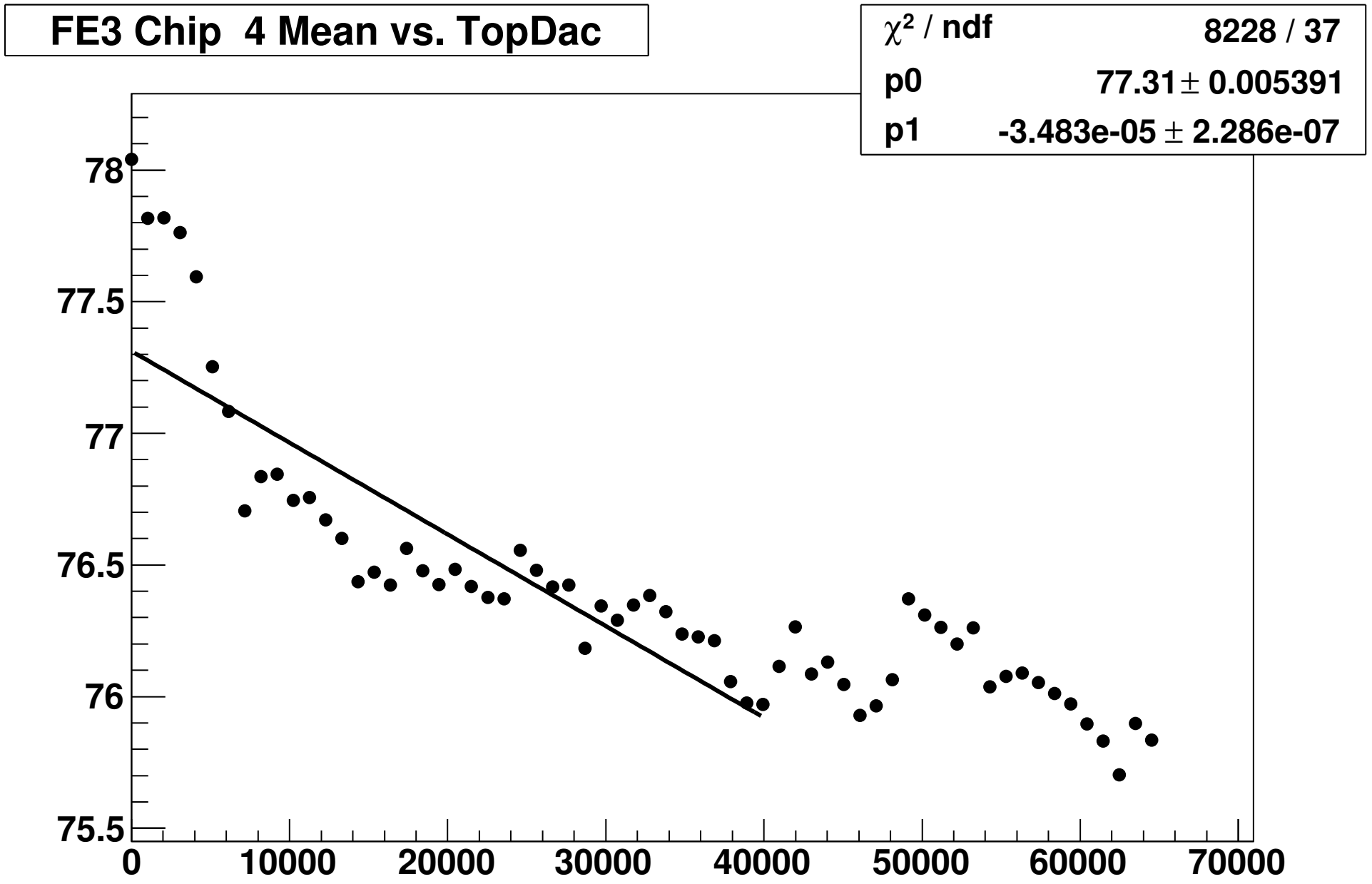
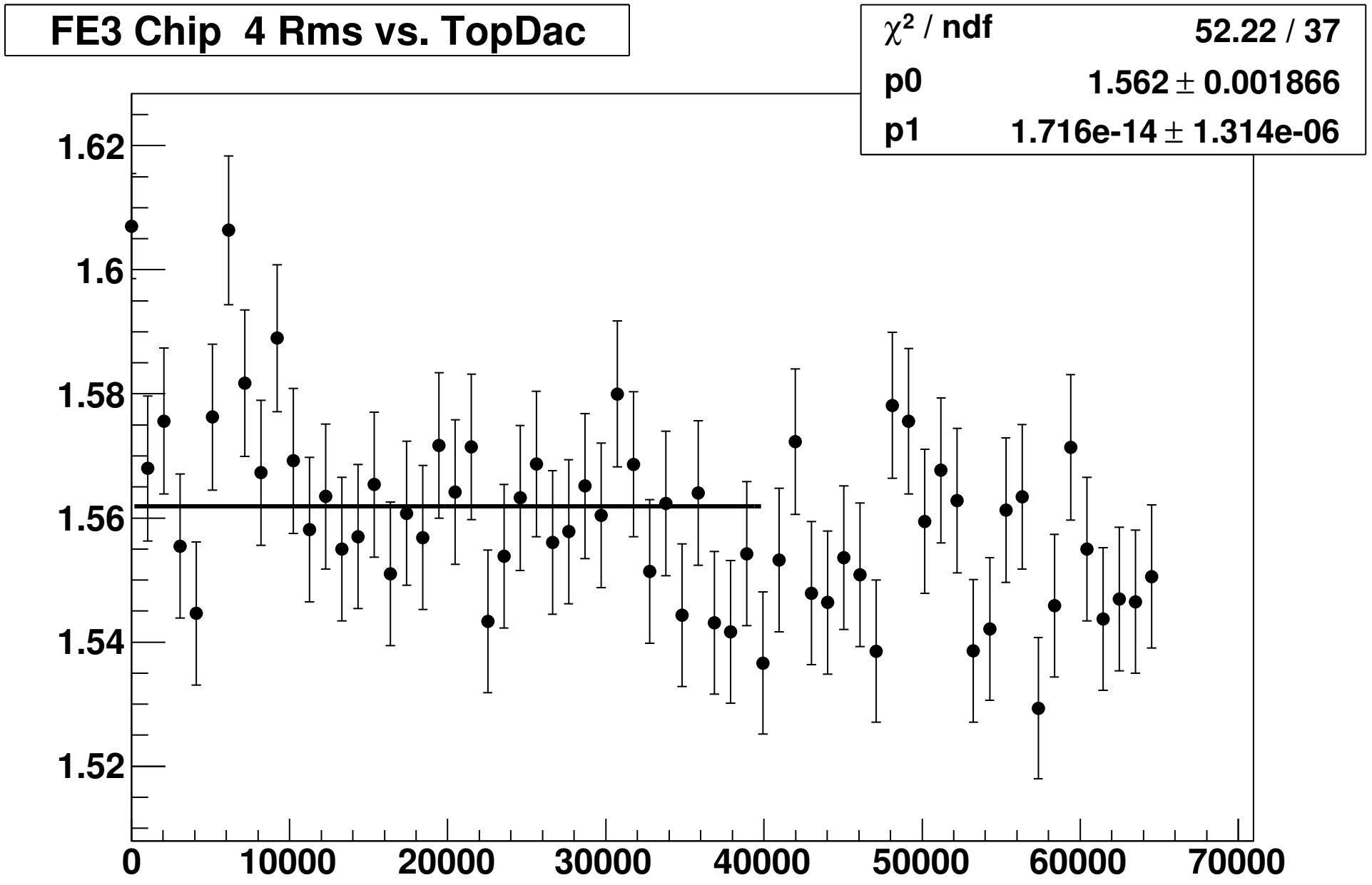
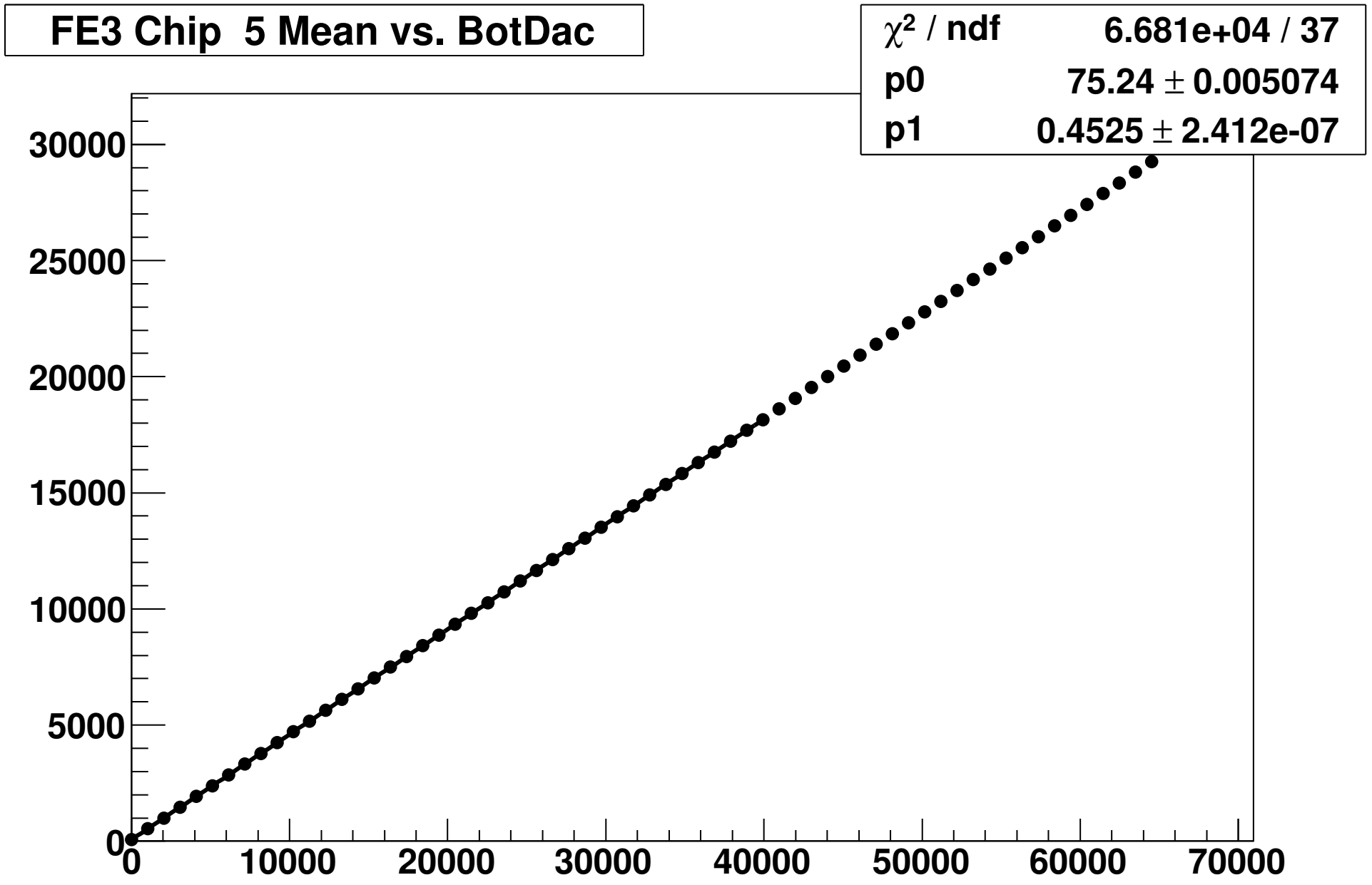
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1357 / 37
p0 1.393 ± 0.00286
p1 3.717e-05 ± 2.012e-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 4 Mean vs. TopDac
χ² / ndf 8228 / 37
p0 77.31 ± 0.005391
p1 -3.483e-05 ± 2.286e-07
78
77.5
77
76.5
76
75.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 52.22 / 37
p0 1.562 ± 0.001866
p1 1.716e-14 ± 1.314e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 6.681e+04 / 37
p0 75.24 ± 0.005074
p1 0.4525 ± 2.412e-07
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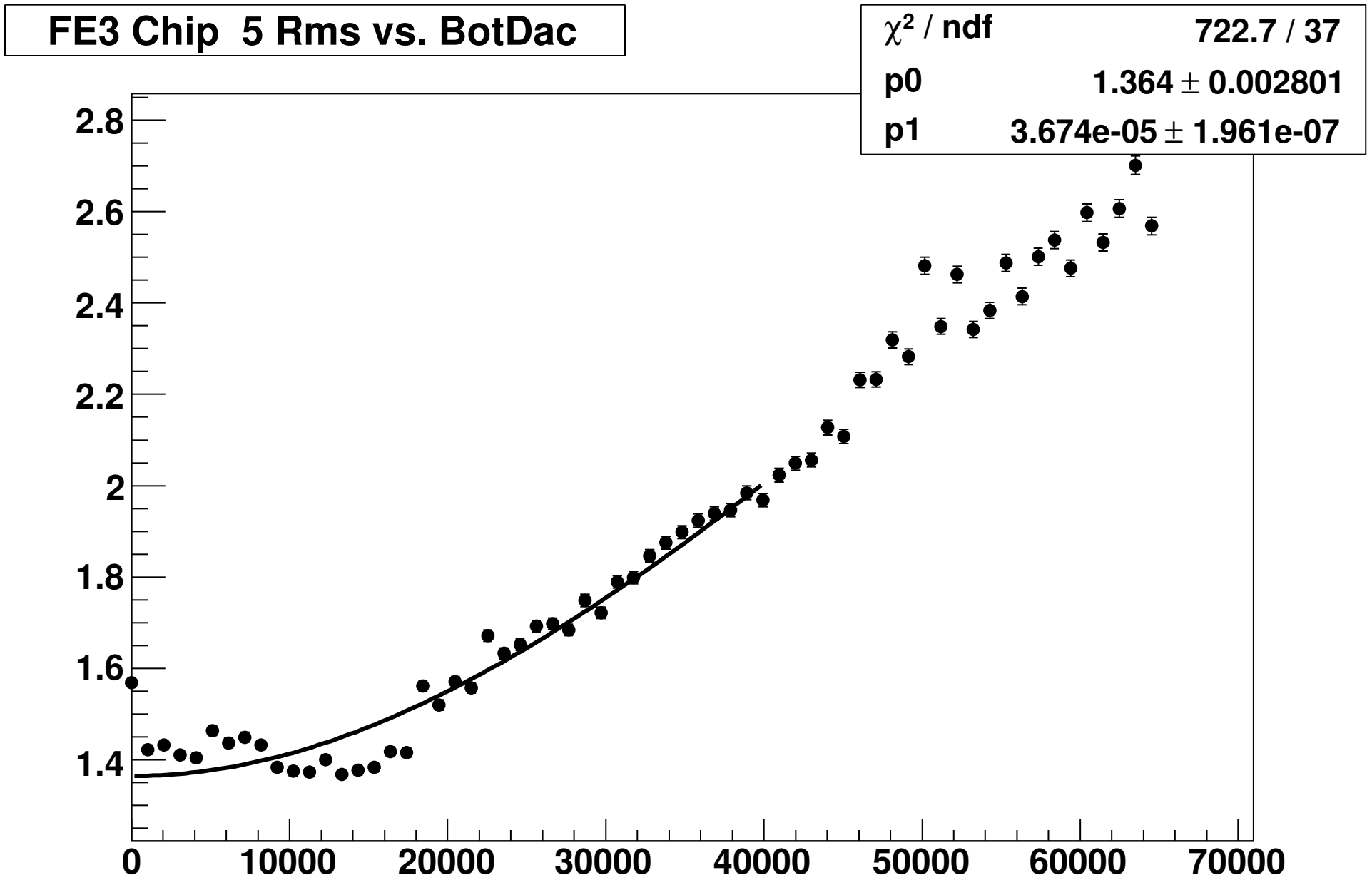
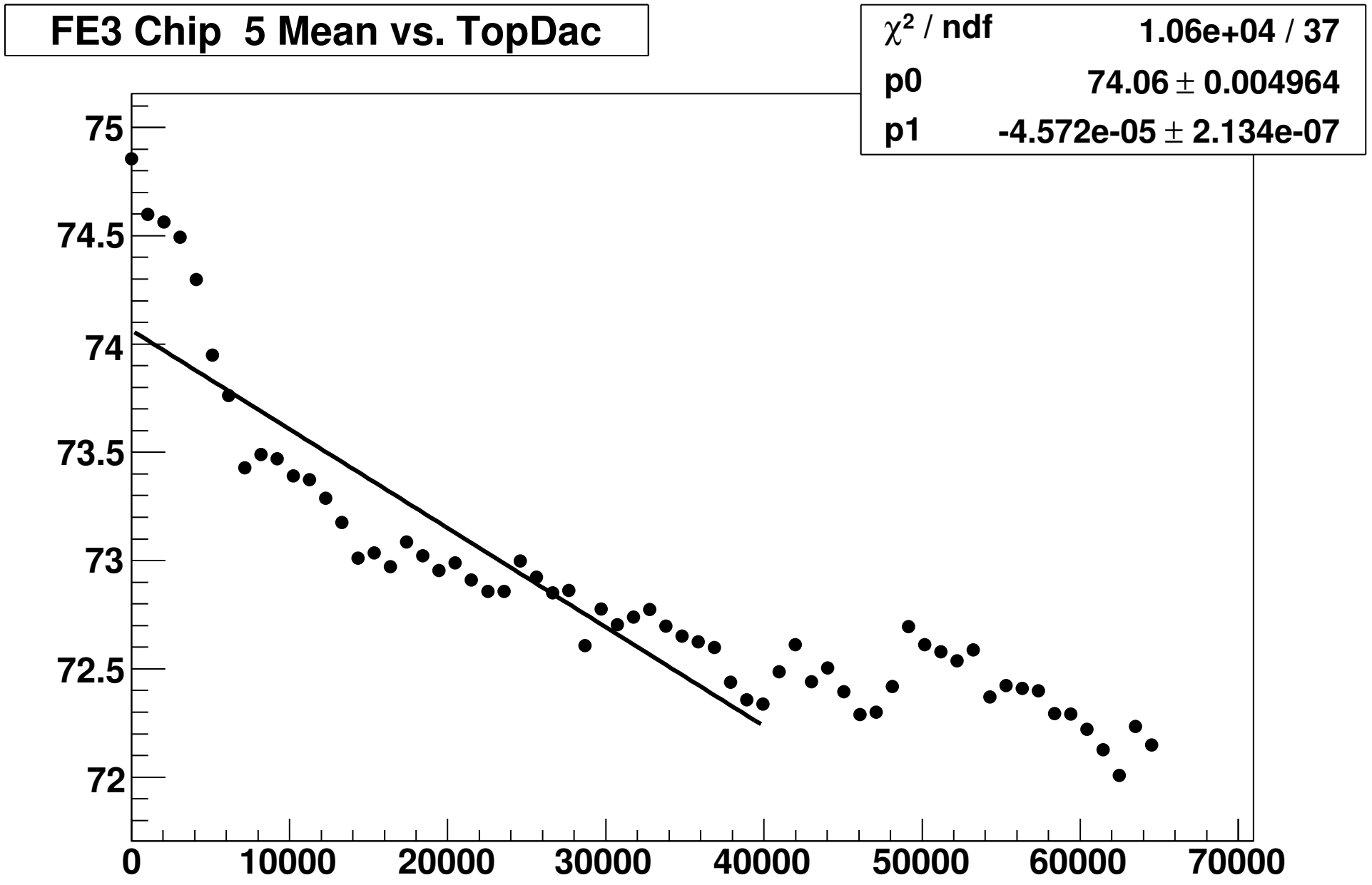
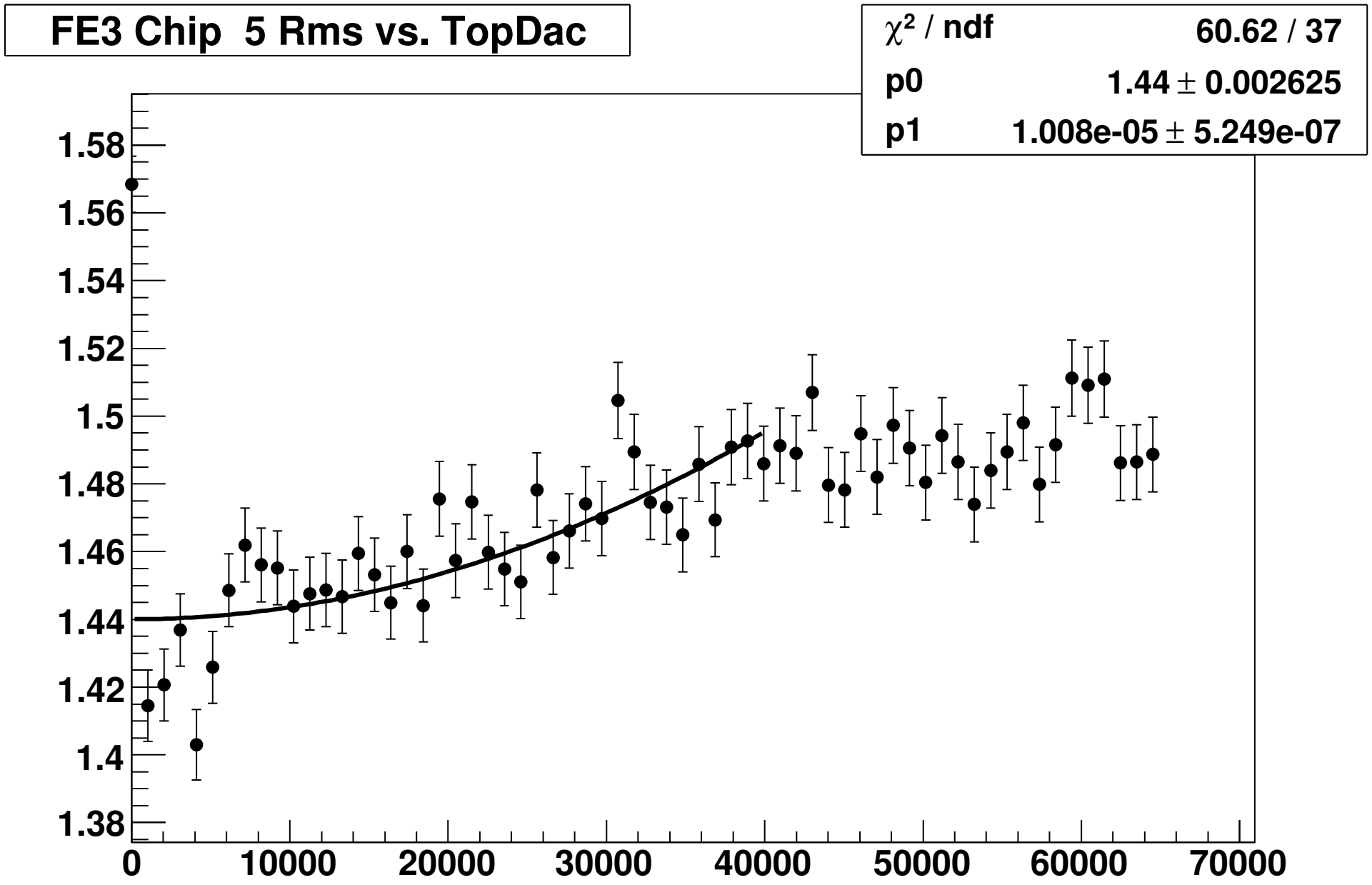
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 722.7 / 37
p0 1.364 ± 0.002801
p1 3.674e-05 ± 1.961e-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 5 Mean vs. TopDac
χ² / ndf 1.06e+04 / 37
p0 74.06 ± 0.004964
p1 -4.572e-05 ± 2.134e-07
75
74.5
74
73.5
73
72.5
72
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 60.62 / 37
p0 1.44 ± 0.002625
p1 1.008e-05 ± 5.249e-07
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
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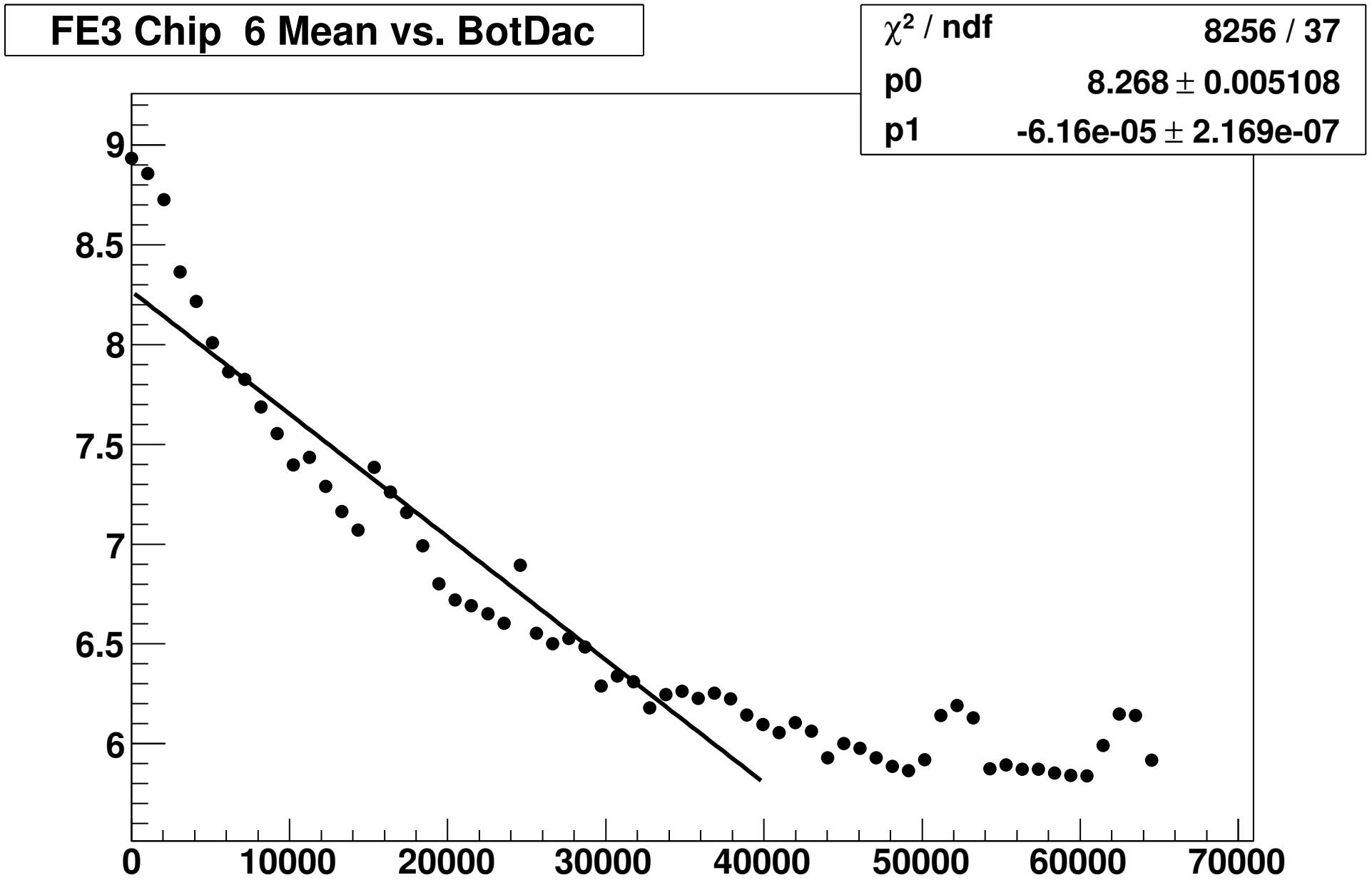
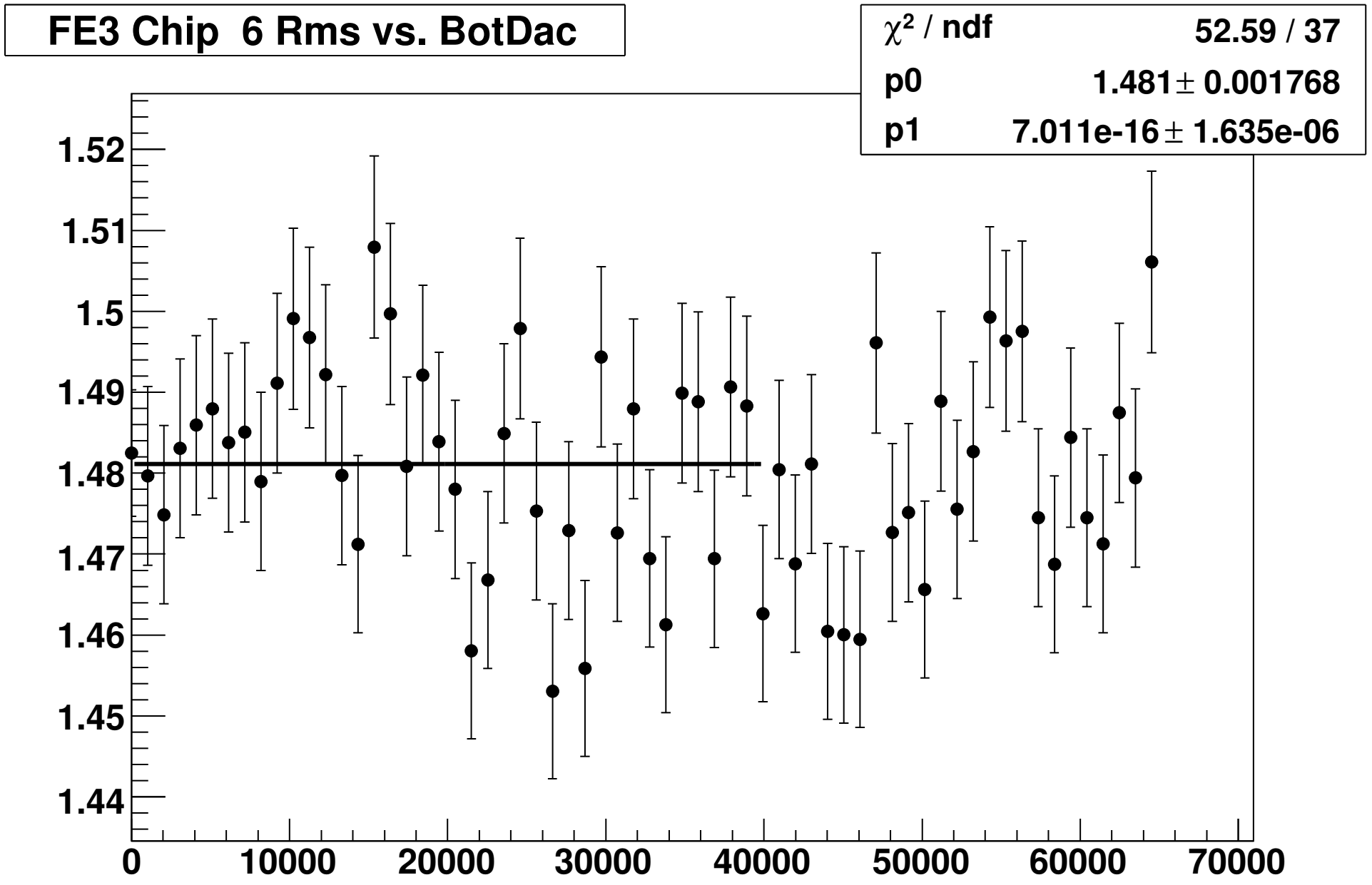
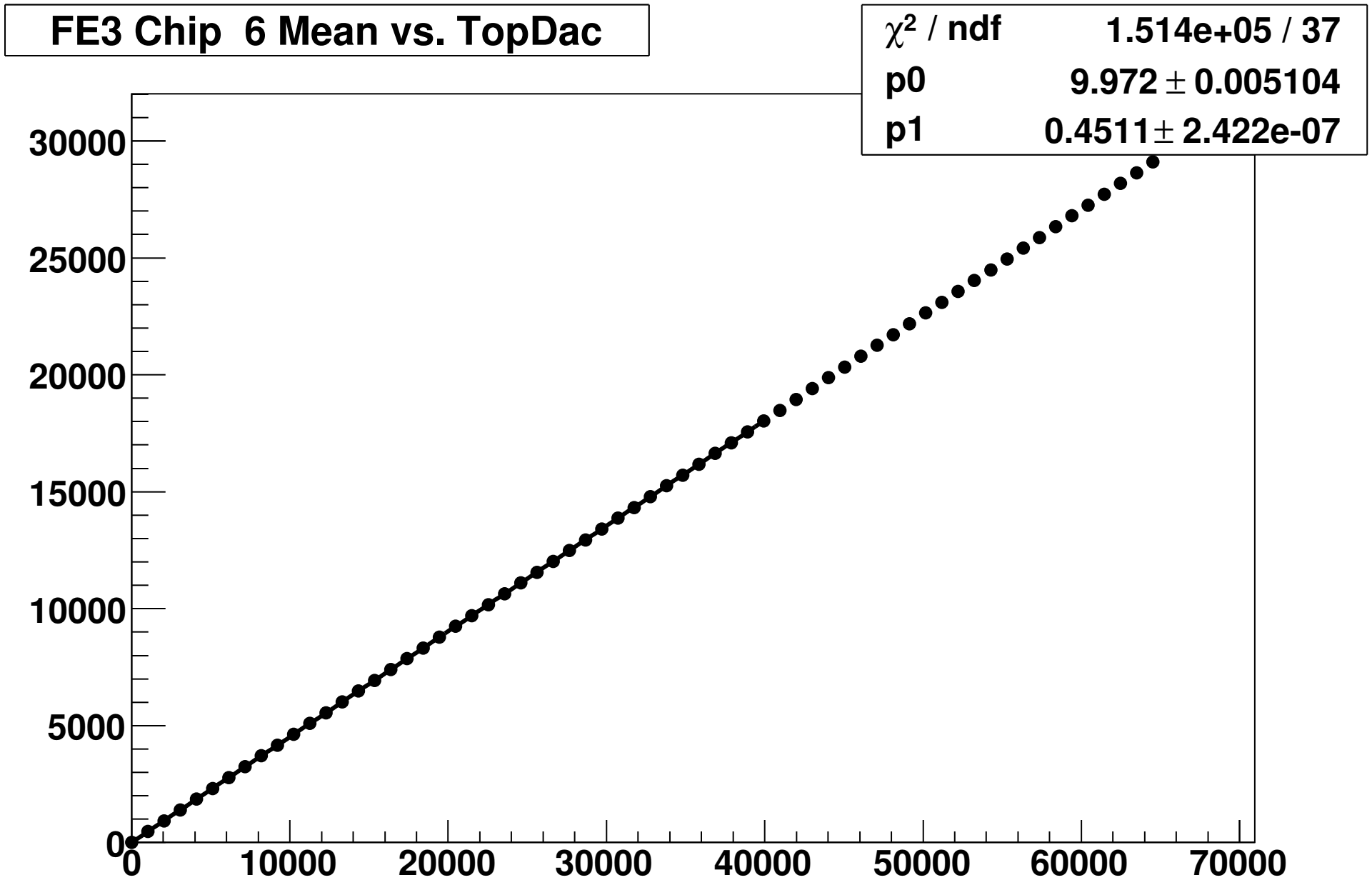
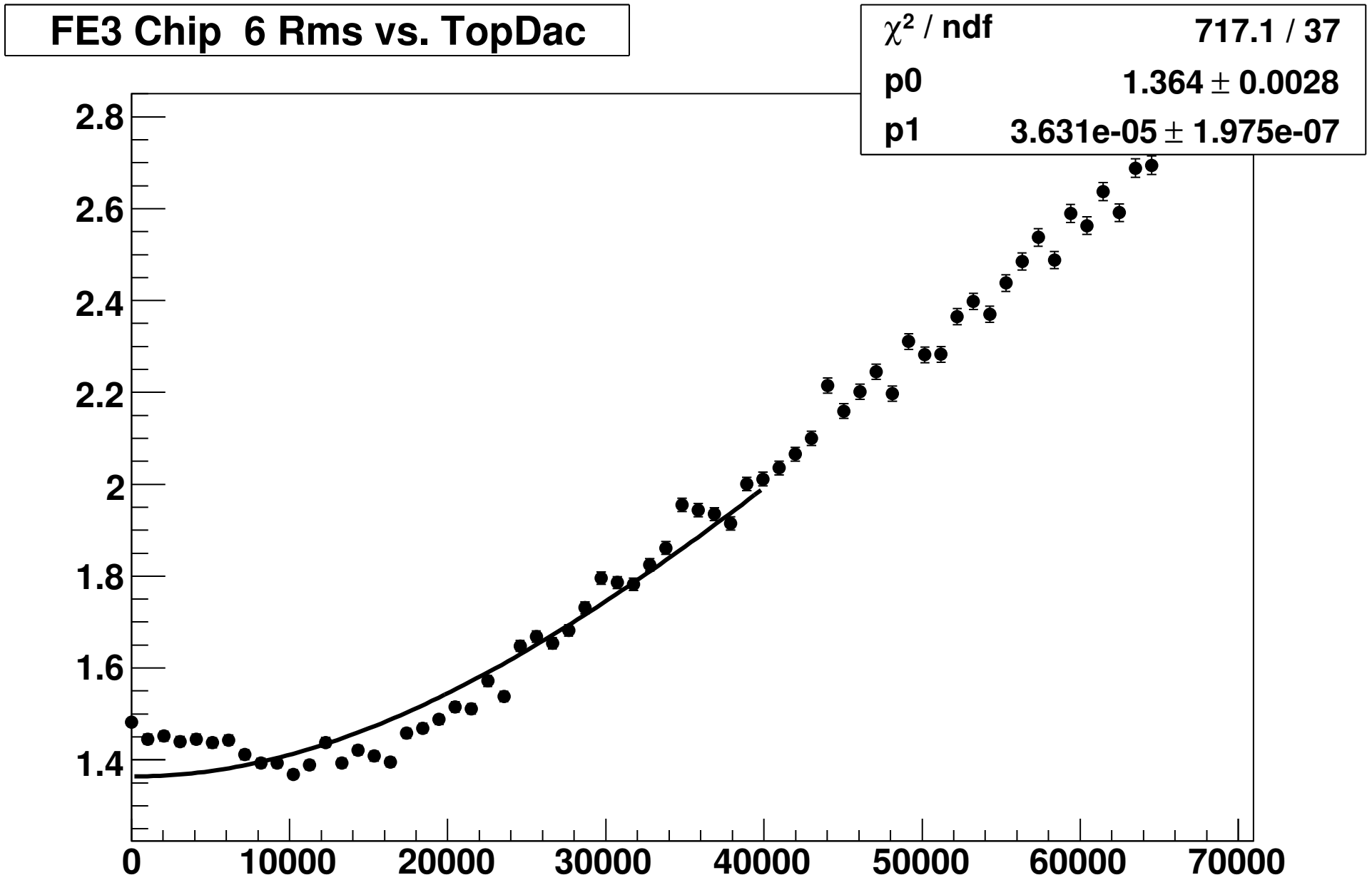
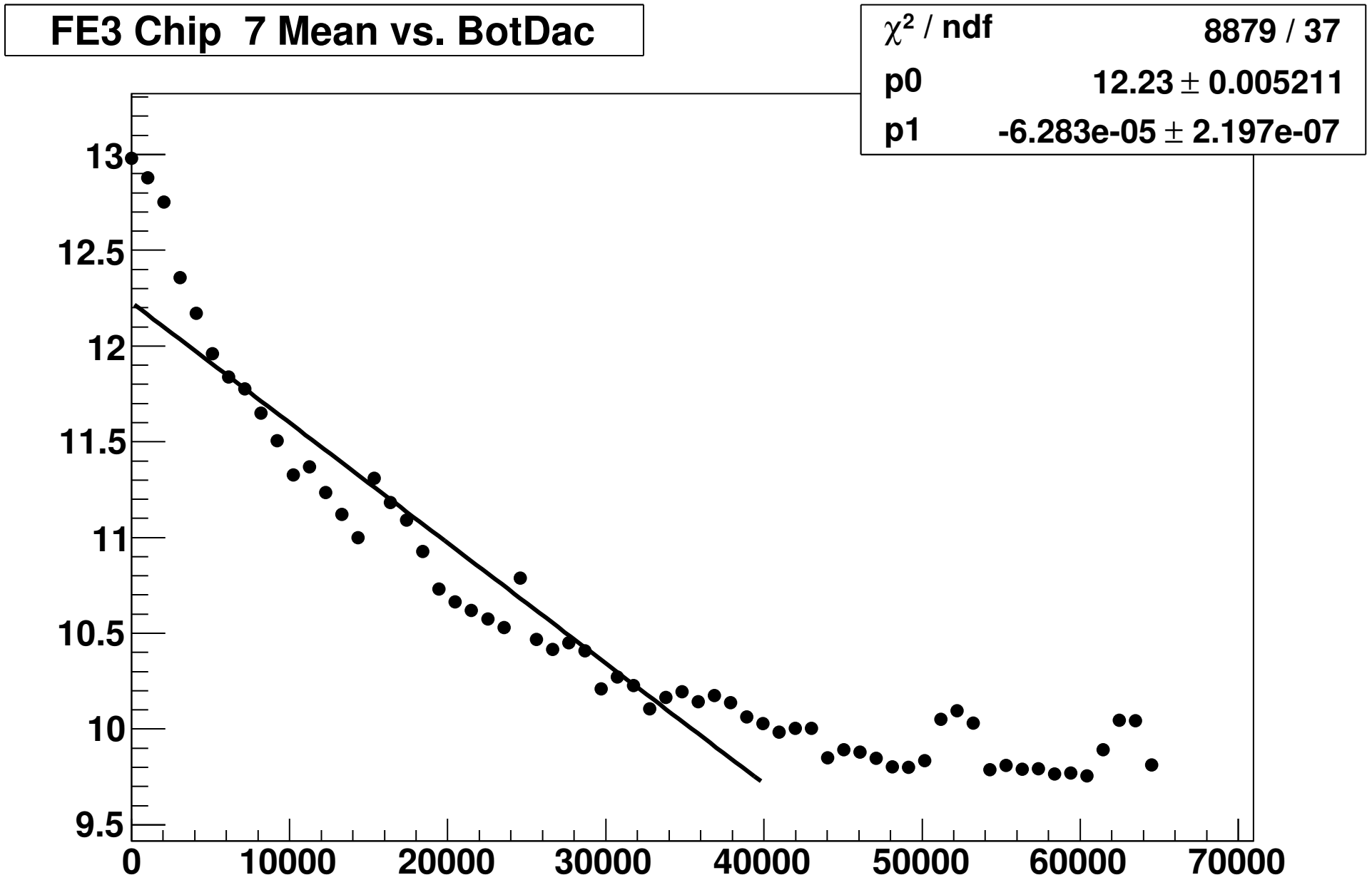
50000
60000
70000

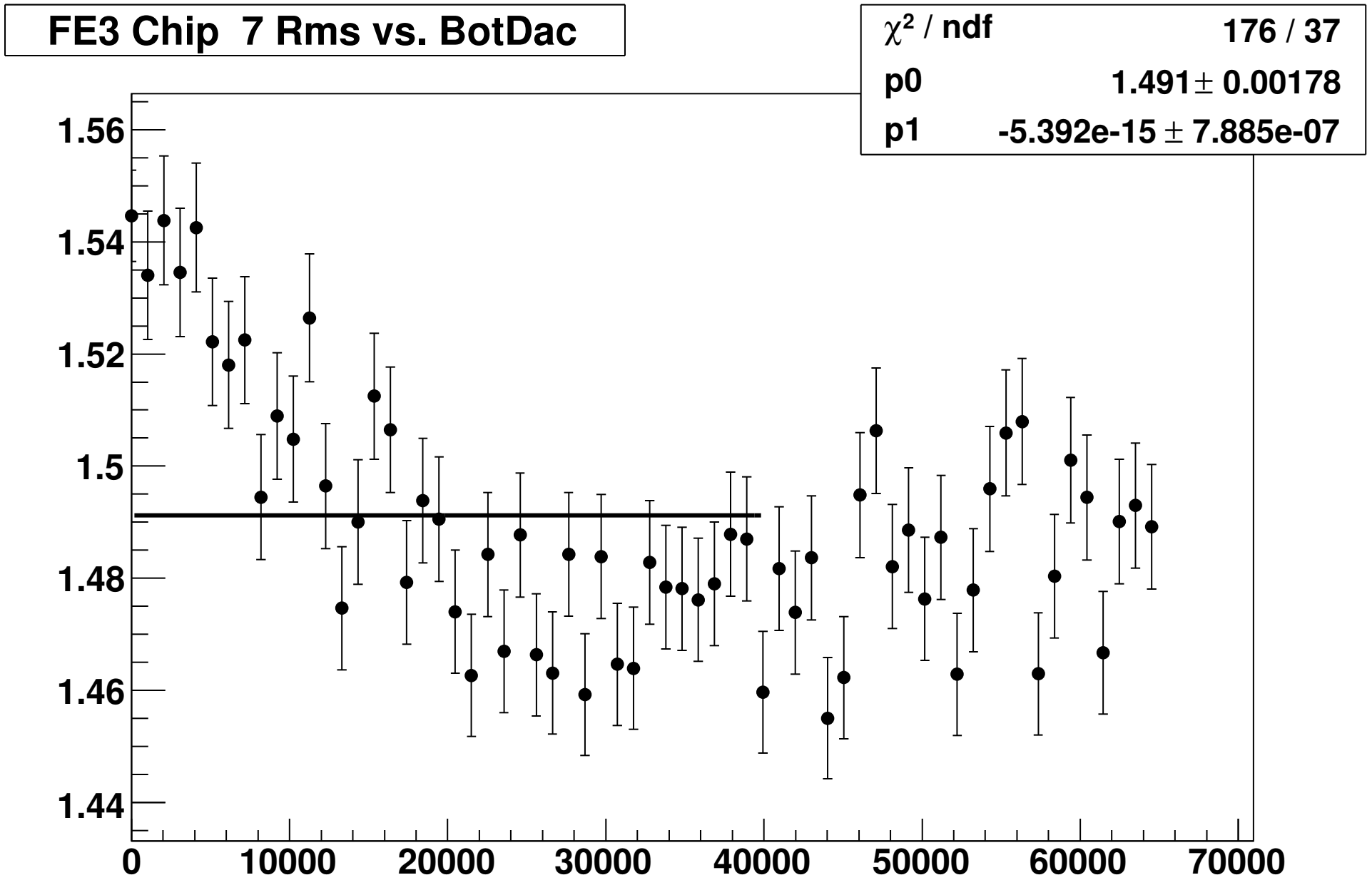

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 8256 / 37
p0 8.268 ± 0.005108
p1 -6.16e-05 ± 2.169e-07
9
8.5
8
7.5
7
6.5
6
0
10000
20000
30000
40000
50000
60000
70000

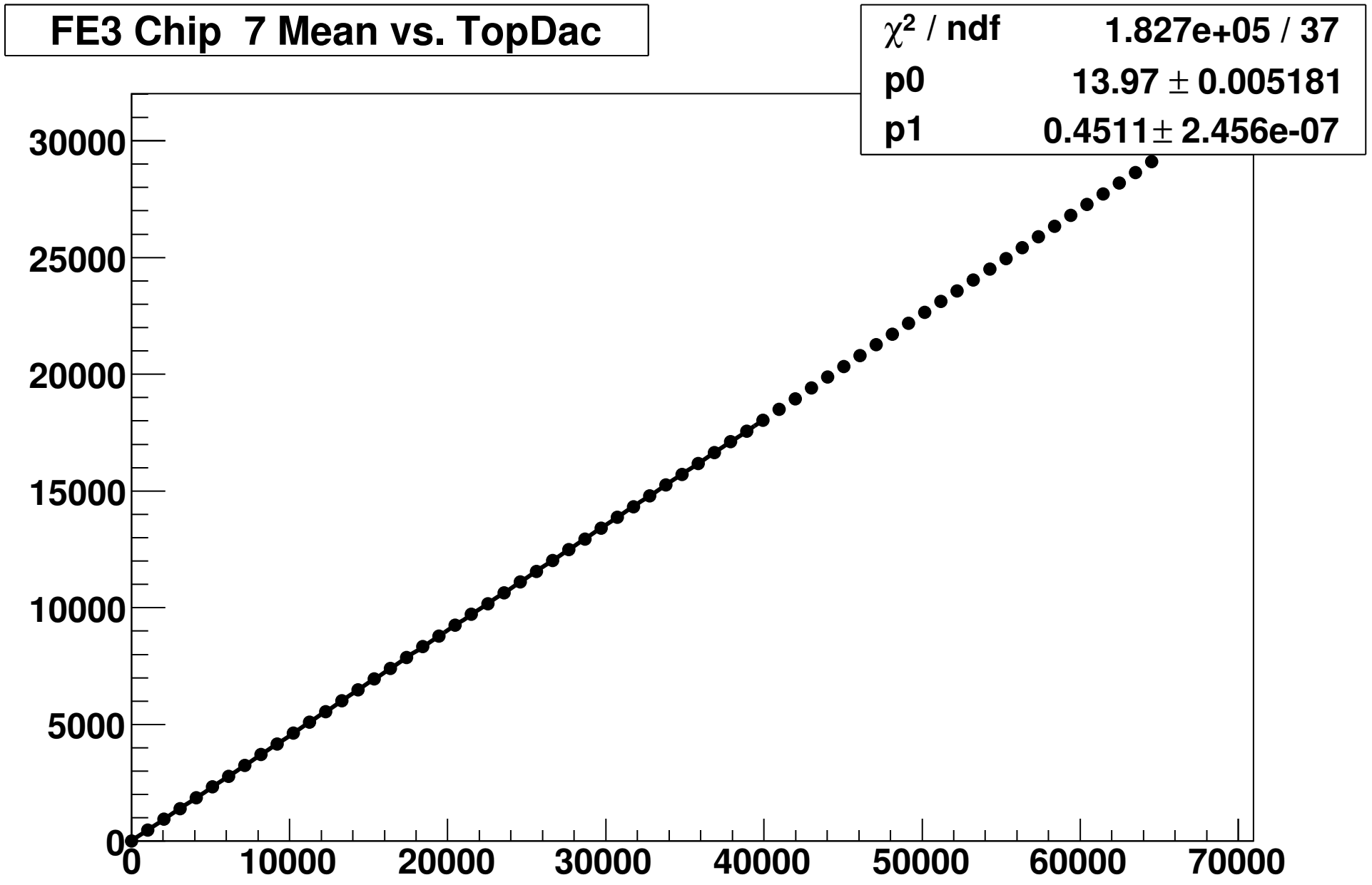

FE3 Chip 6 Rms vs. BotDac
χ² / ndf 52.59 / 37
p0 1.481 ± 0.001768
p1 7.011e-16 ± 1.635e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.514e+05 / 37
p0 9.972 ± 0.005104
p1 0.4511 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 717.1 / 37
p0 1.364 ± 0.0028
p1 3.631e-05 ± 1.975e-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 7 Mean vs. BotDac
χ² / ndf 8879 / 37
p0 12.23 ± 0.005211
p1 -6.283e-05 ± 2.197e-07
13
12.5
12
11.5
11
10.5
10
9.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 176 / 37
p0 1.491 ± 0.00178
p1 -5.392e-15 ± 7.885e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.827e+05 / 37
p0 13.97 ± 0.005181
p1 0.4511 ± 2.456e-07
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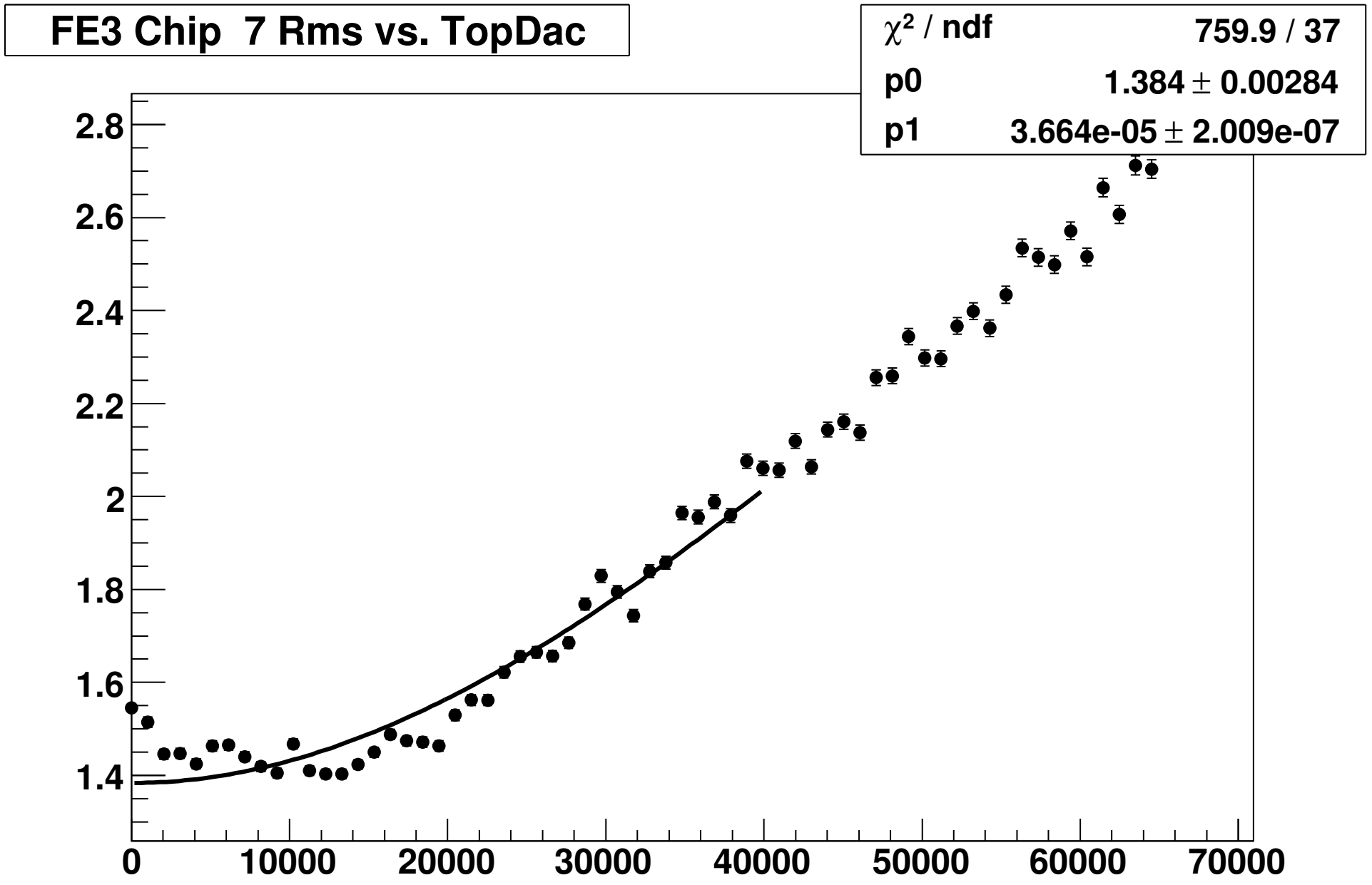
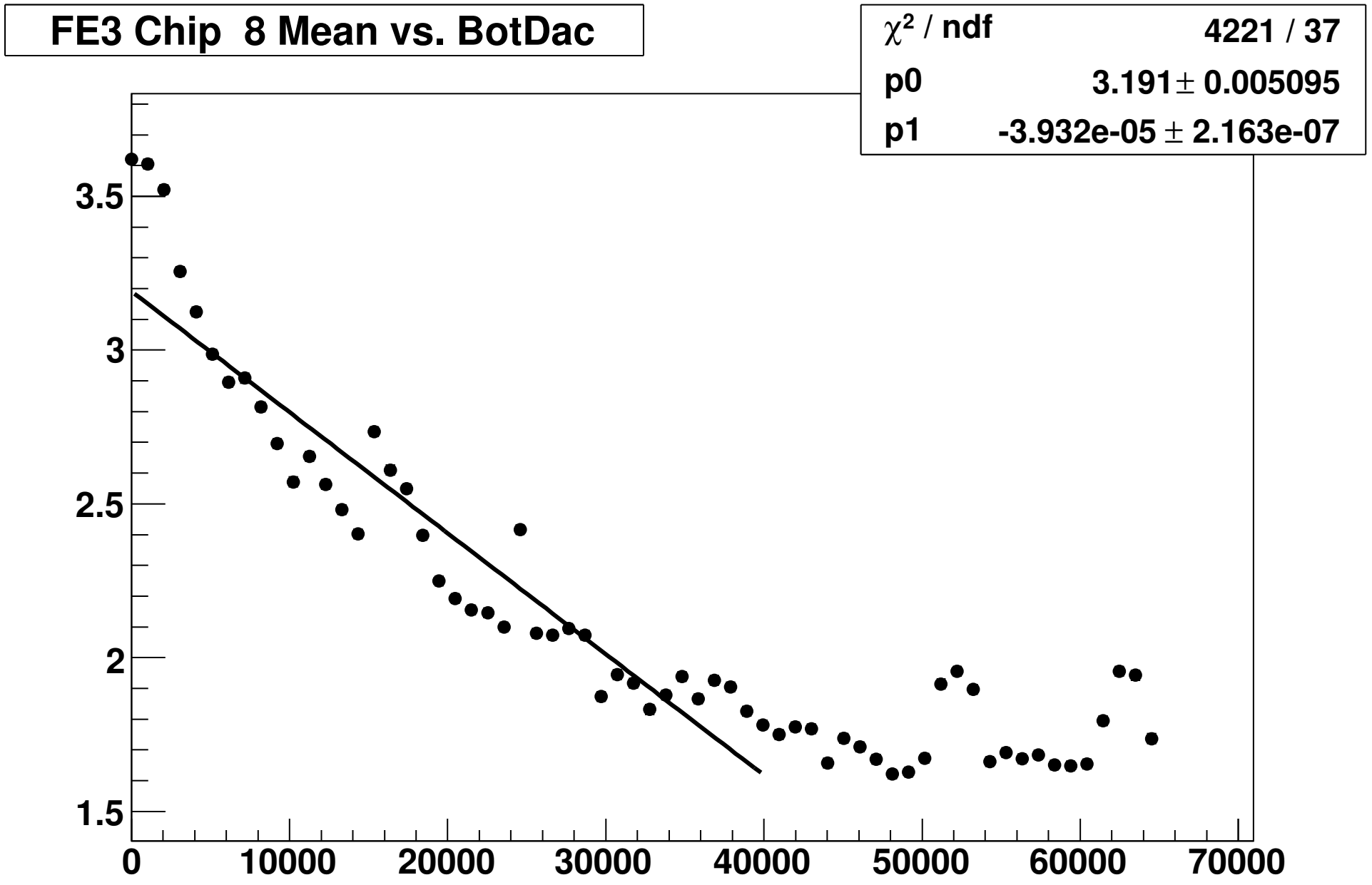
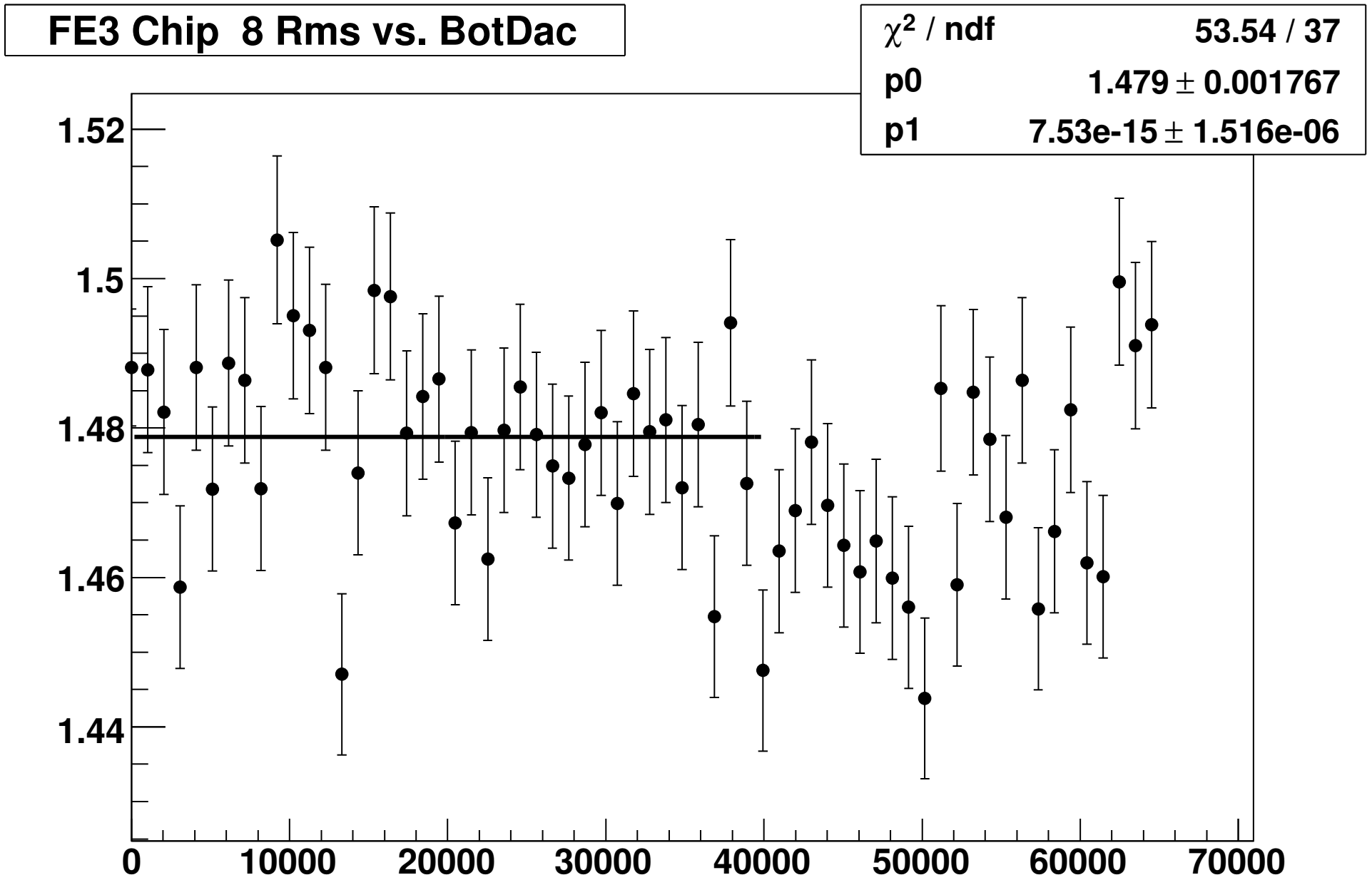
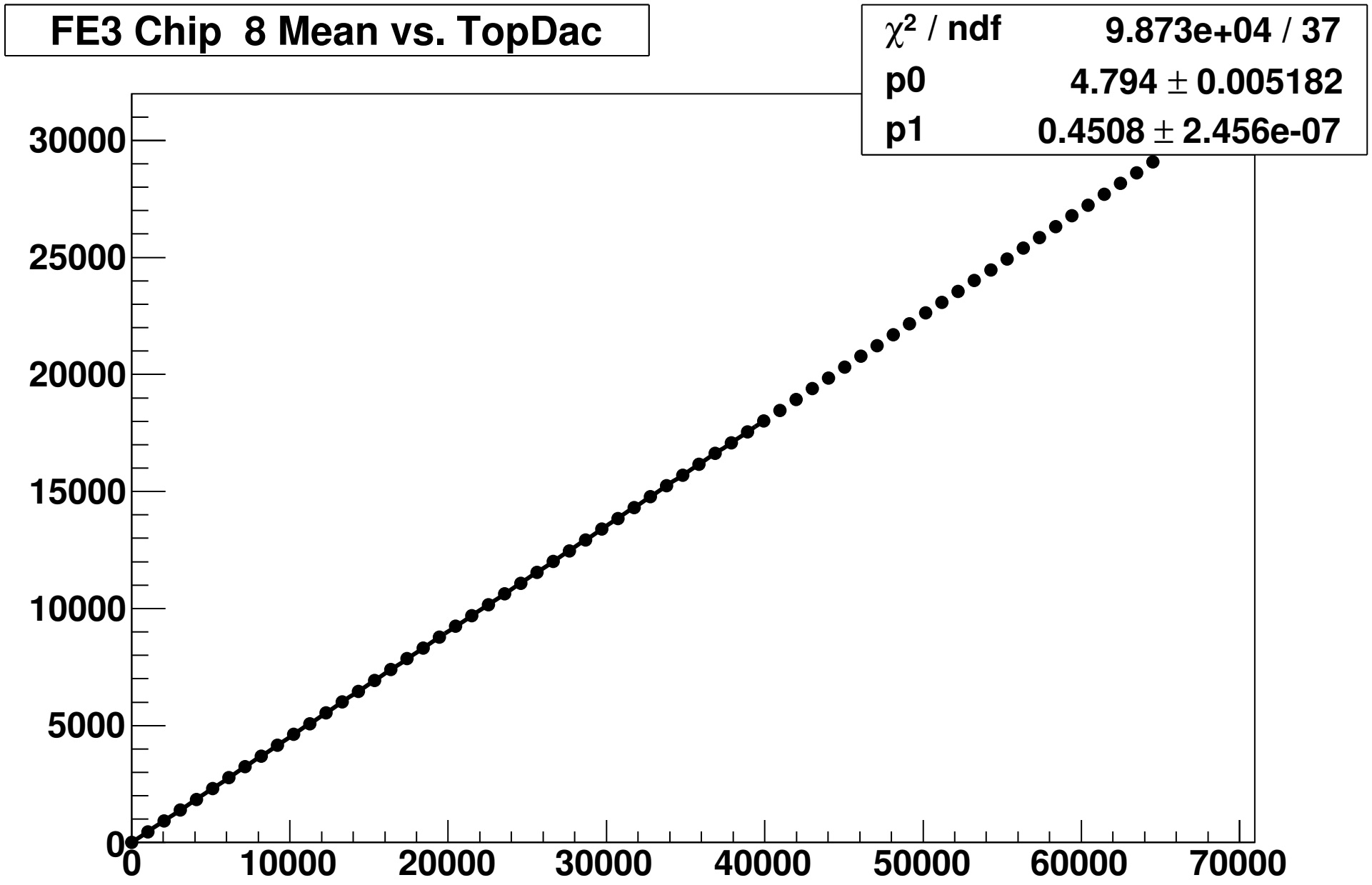
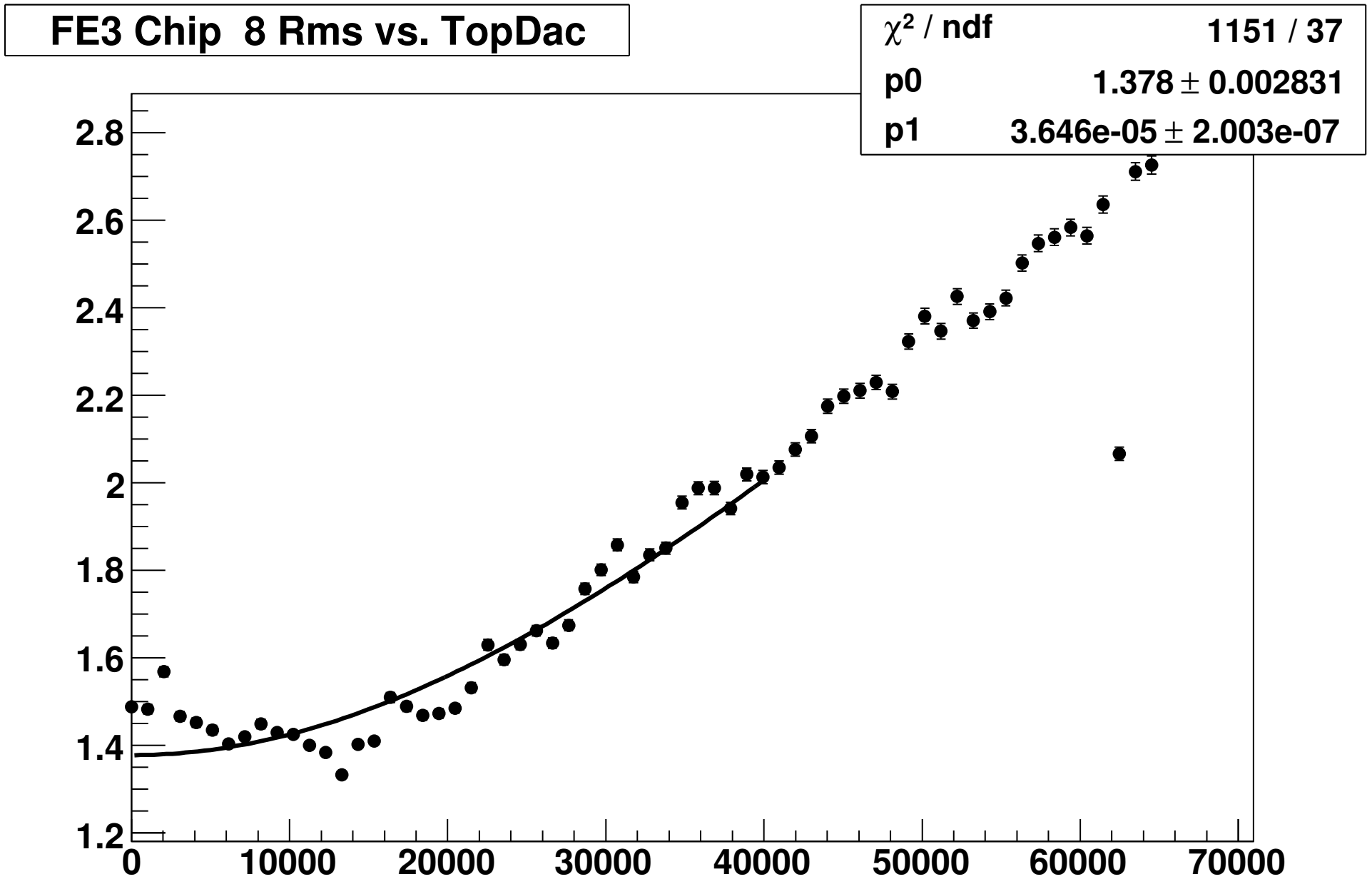
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

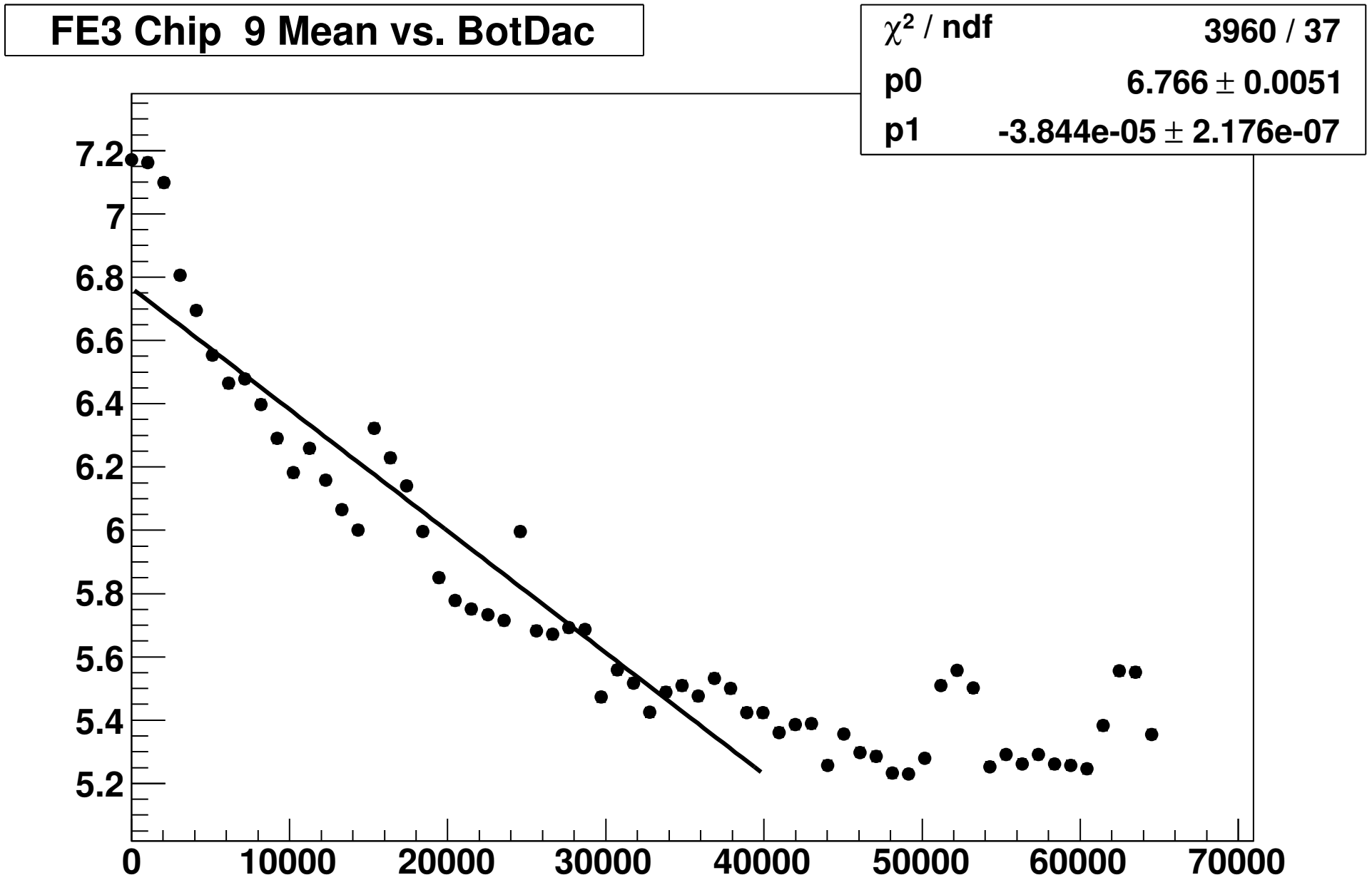

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 759.9 / 37
p0 1.384 ± 0.00284
p1 3.664e-05 ± 2.009e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 4221 / 37
p0 3.191 ± 0.005095
p1 -3.932e-05 ± 2.163e-07
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 53.54 / 37
p0 1.479 ± 0.001767
p1 7.53e-15 ± 1.516e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 9.873e+04 / 37
p0 4.794 ± 0.005182
p1 0.4508 ± 2.456e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 1151 / 37
p0 1.378 ± 0.002831
p1 3.646e-05 ± 2.003e-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


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 3960 / 37
p0 6.766 ± 0.0051
p1 -3.844e-05 ± 2.176e-07
7.2
7
6.8
6.6
6.4
6.2
6
5.8
5.6
5.4
5.2
0
10000
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30000
40000
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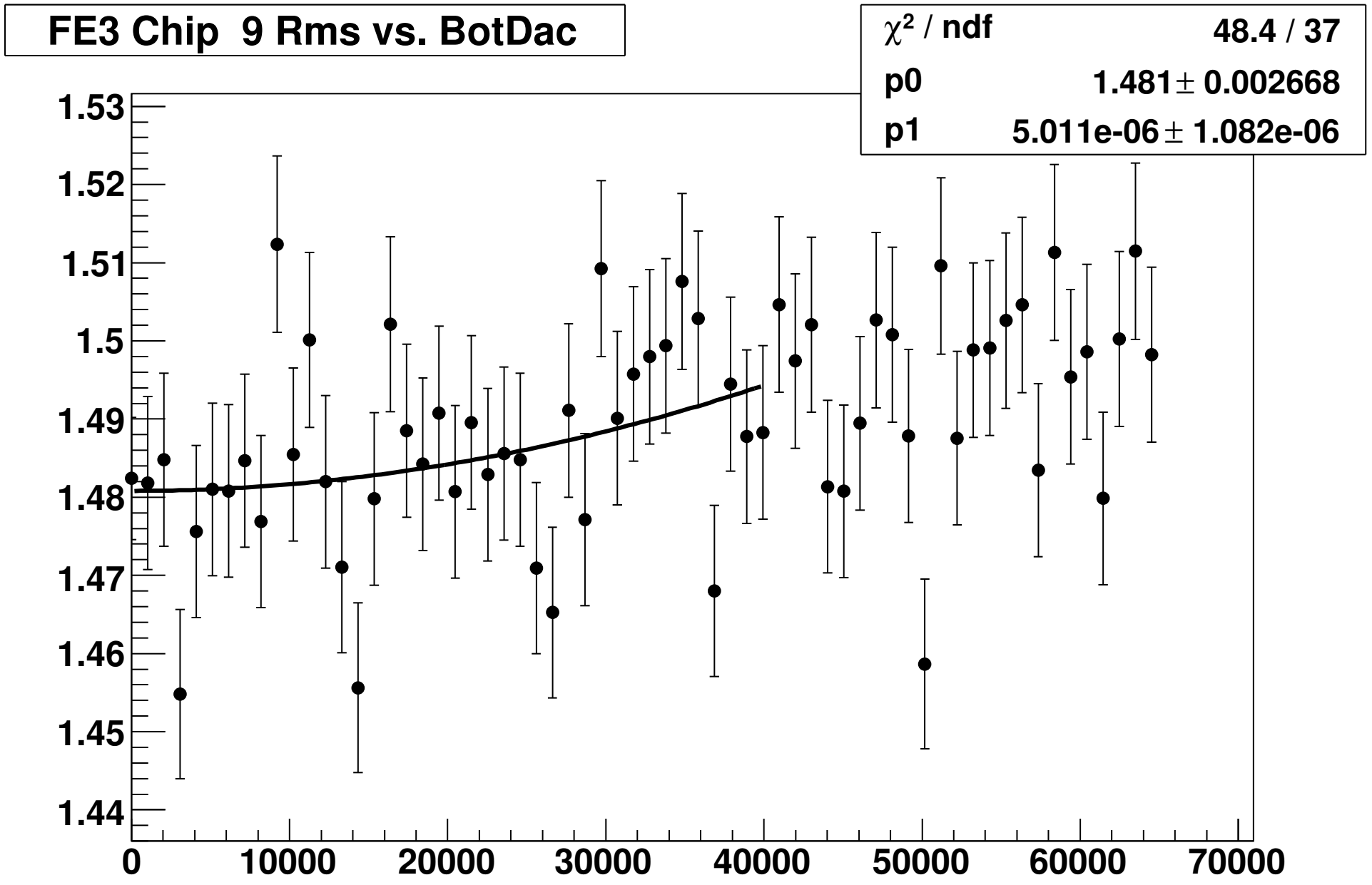
FE3 Chip 9 Rms vs. BotDac
χ² / ndf 48.4 / 37
p0 1.481 ± 0.002668
p1 5.011e-06 ± 1.082e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
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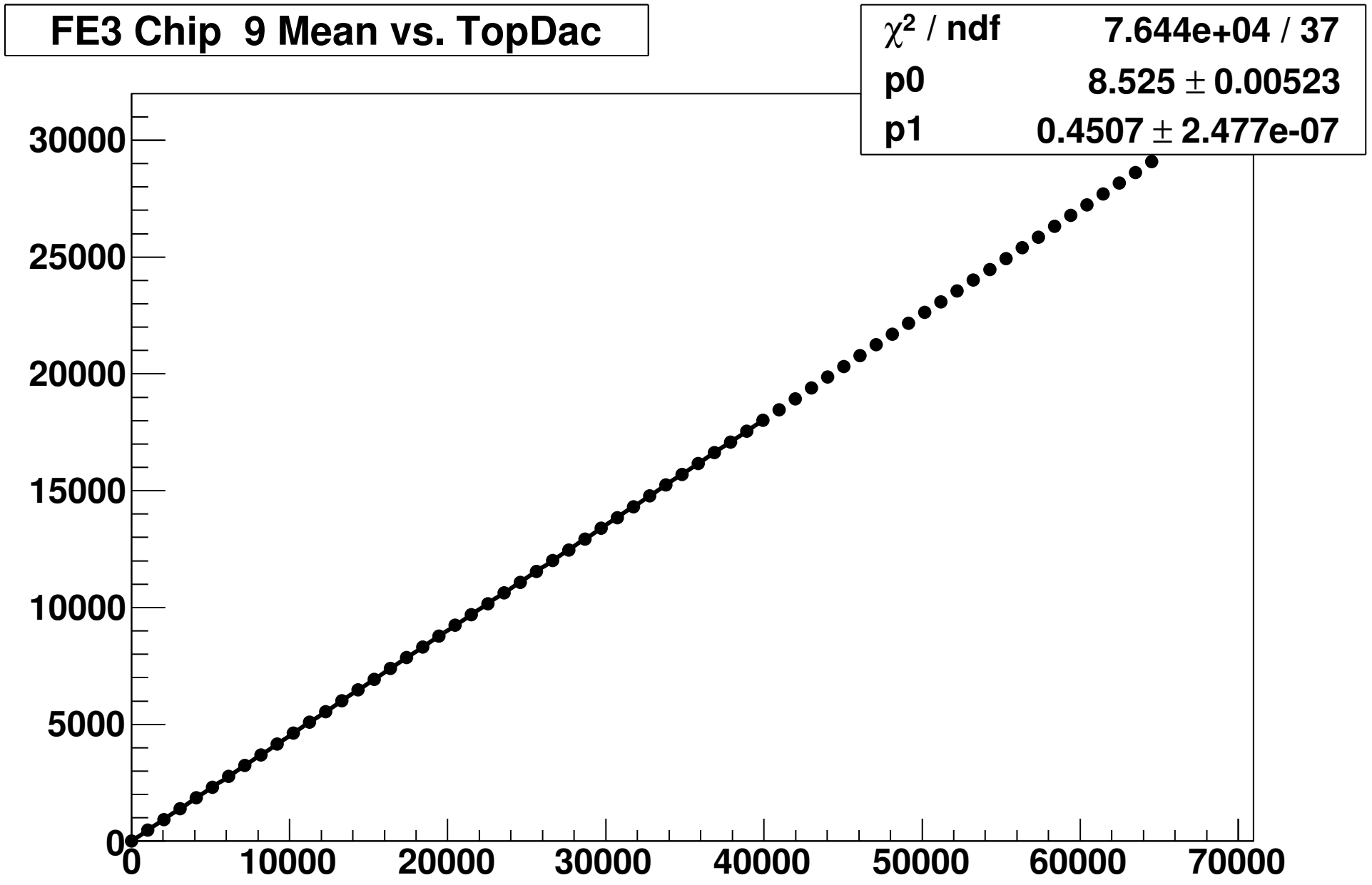
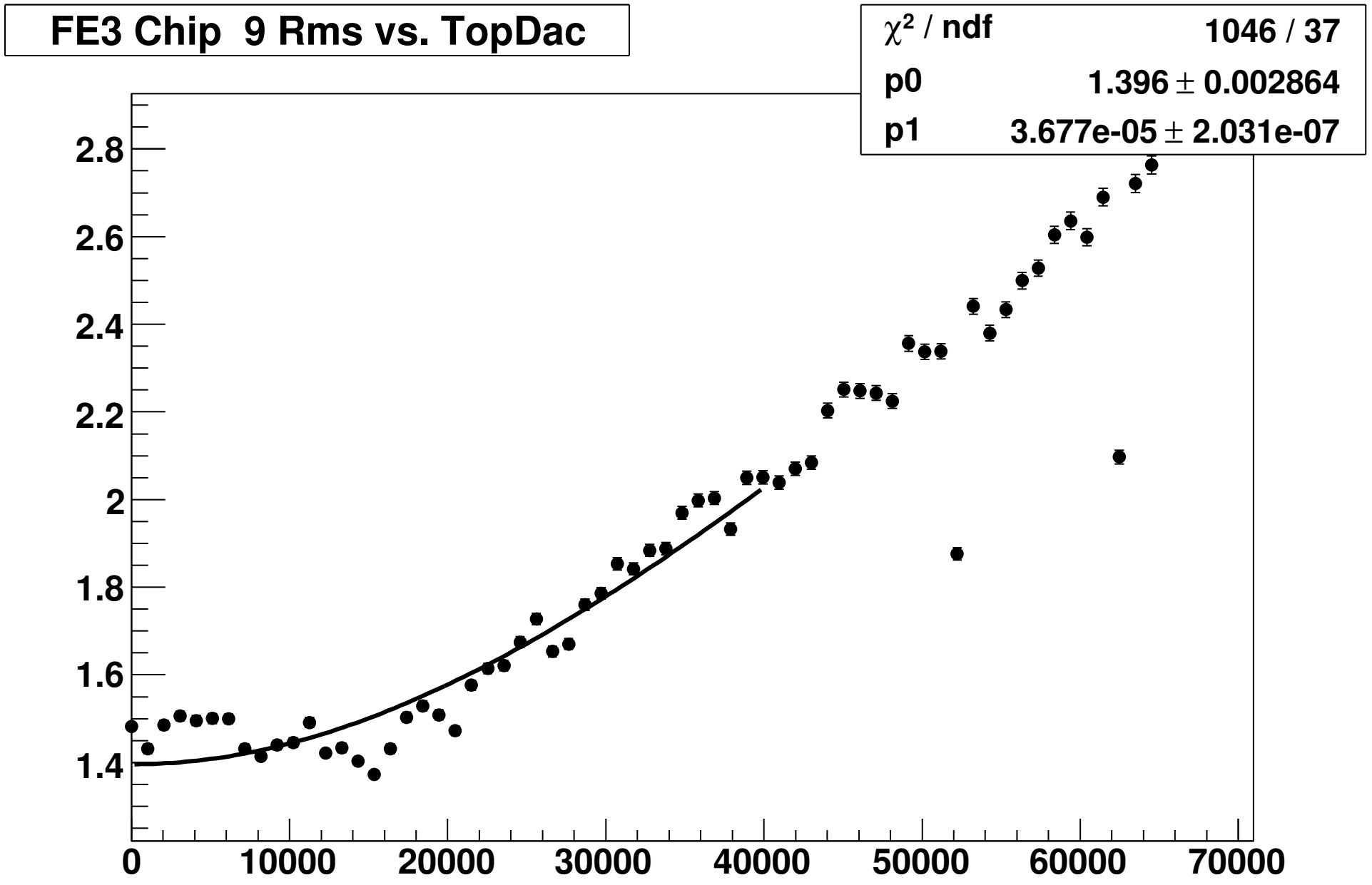
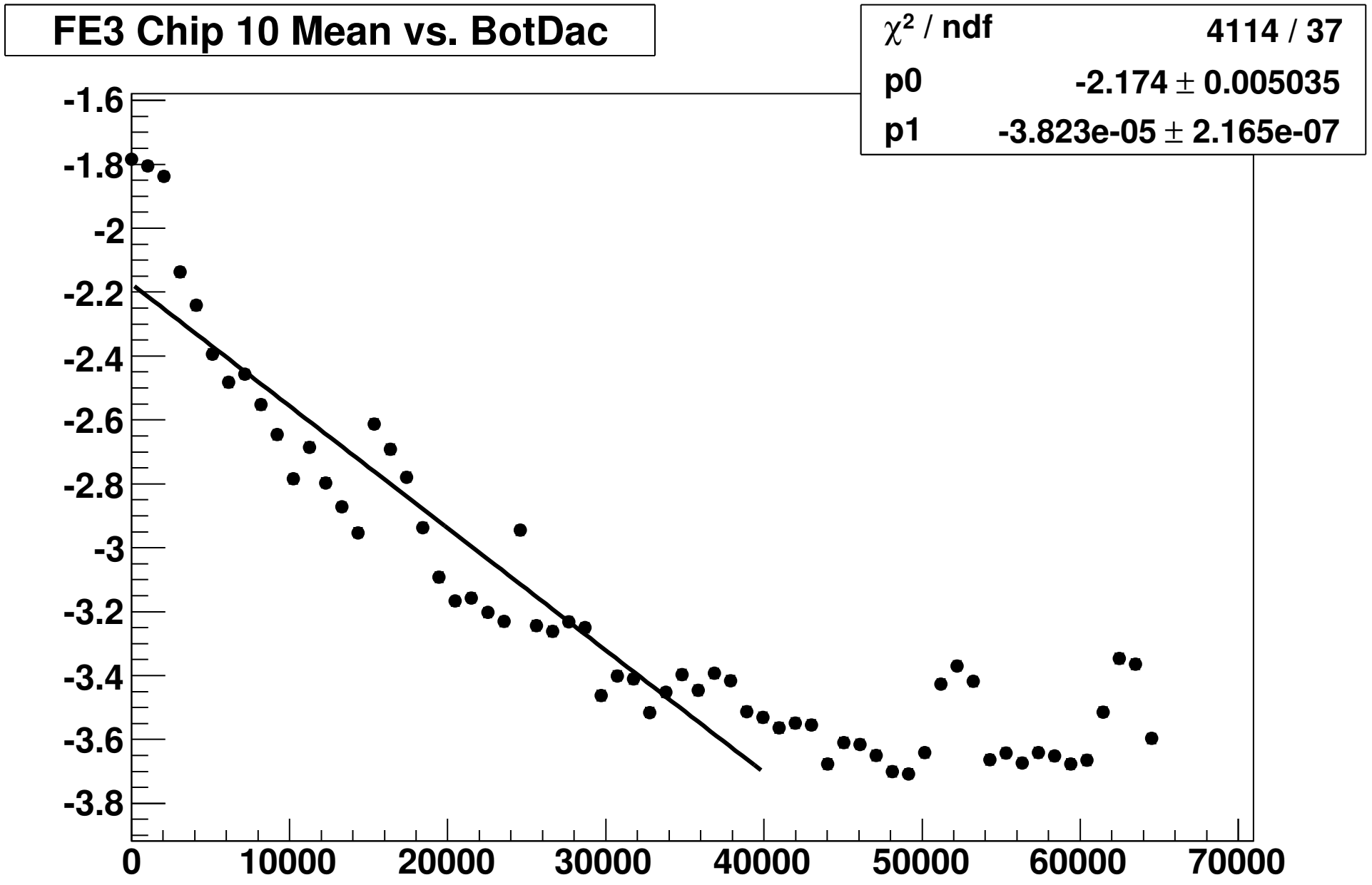
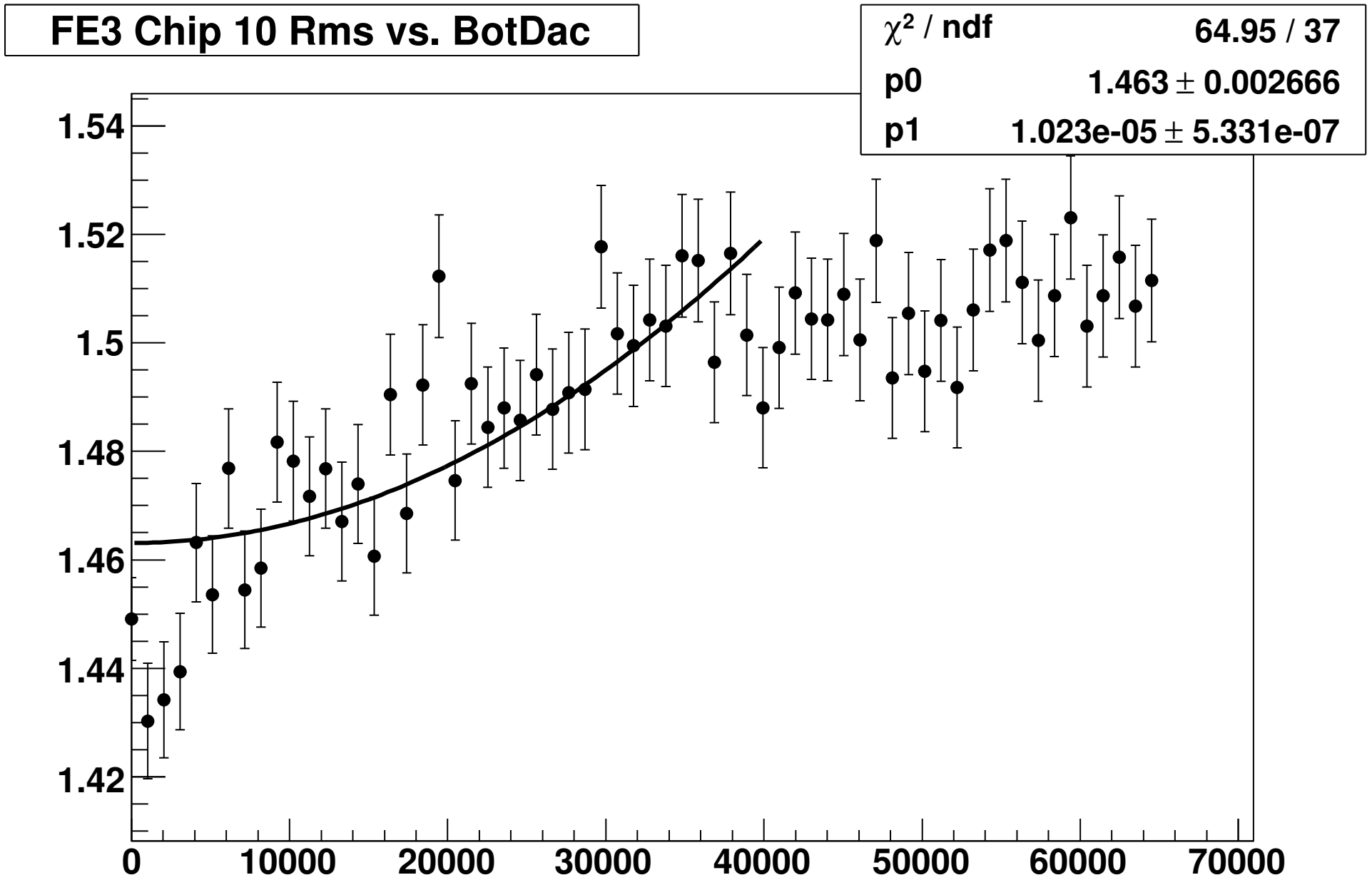

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 7.644e+04 / 37
p0 8.525 ± 0.00523
p1 0.4507 ± 2.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1046 / 37
p0 1.396 ± 0.002864
p1 3.677e-05 ± 2.031e-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 4114 / 37
p0 -2.174 ± 0.005035
p1 -3.823e-05 ± 2.165e-07
-1.6
-1.8
-2
-2.2
-2.4
-2.6
-2.8
-3
-3.2
-3.4
-3.6
-3.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 64.95 / 37
p0 1.463 ± 0.002666
p1 1.023e-05 ± 5.331e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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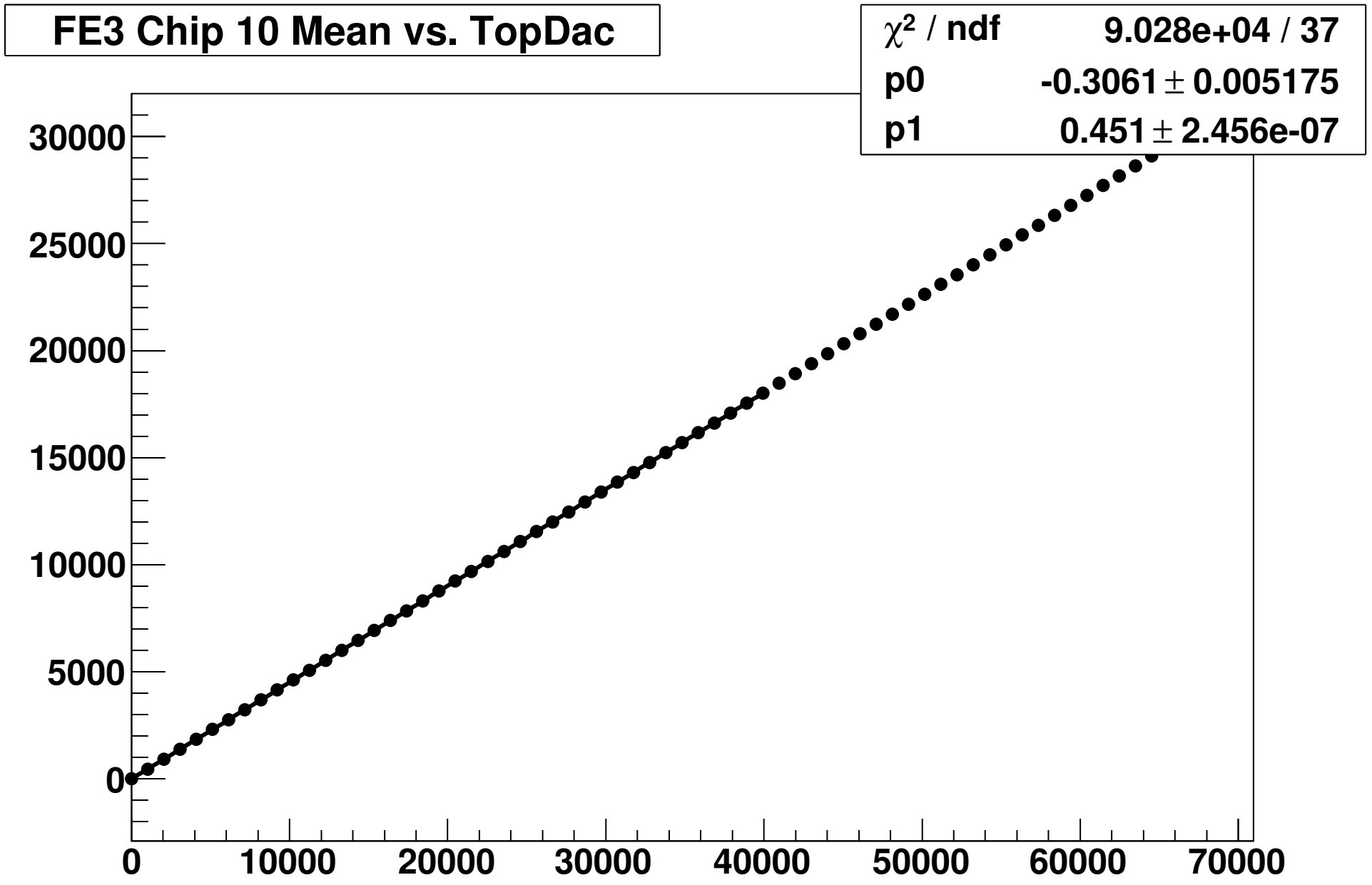
FE3 Chip 10 Mean vs. TopDac
χ² / ndf 9.028e+04 / 37
p0 -0.3061 ± 0.005175
p1 0.451 ± 2.456e-07
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25000
20000
15000
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5000
0
0
10000
20000
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40000
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60000
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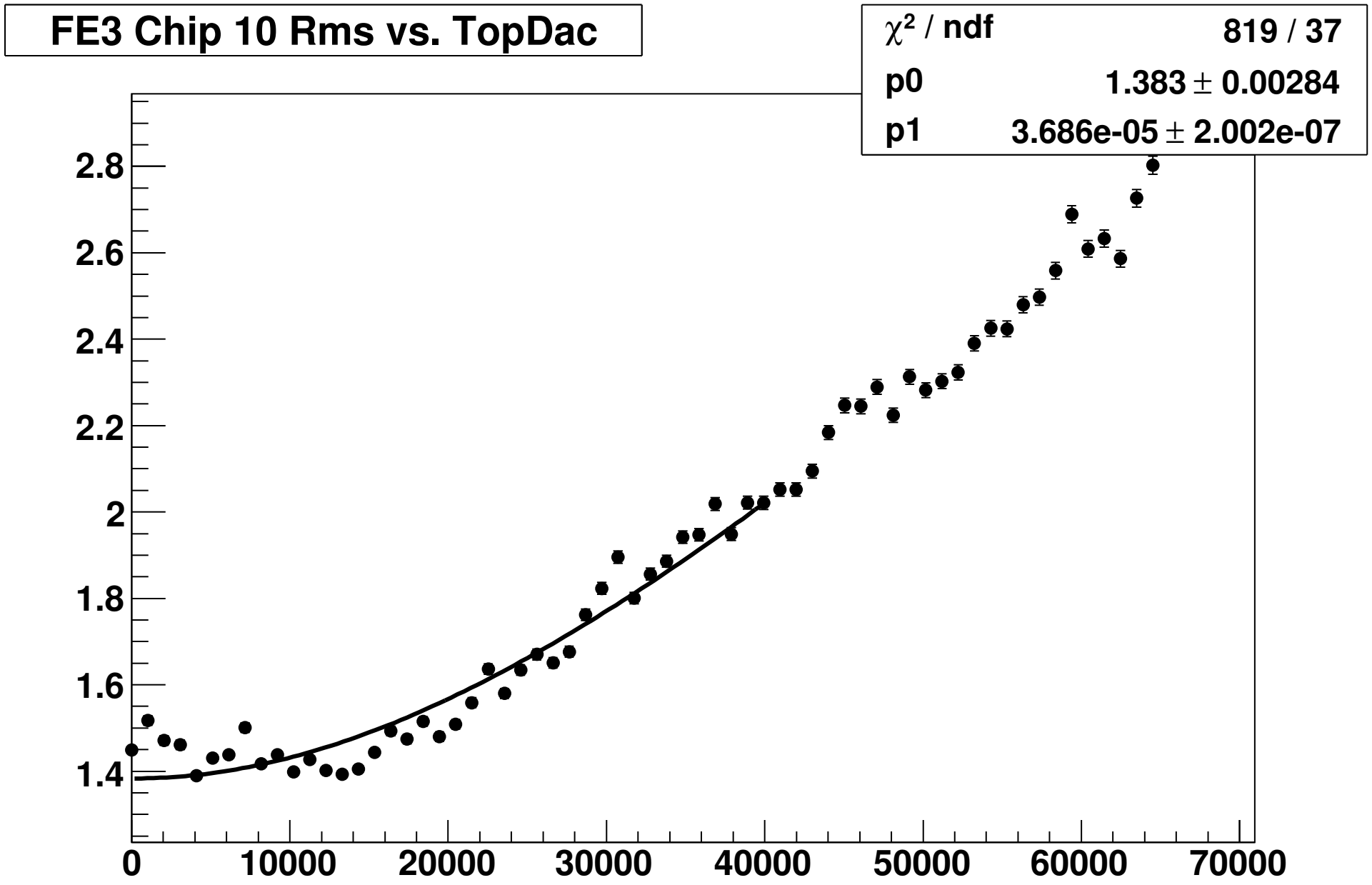
FE3 Chip 10 Rms vs. TopDac
χ² / ndf 819 / 37
p0 1.383 ± 0.00284
p1 3.686e-05 ± 2.002e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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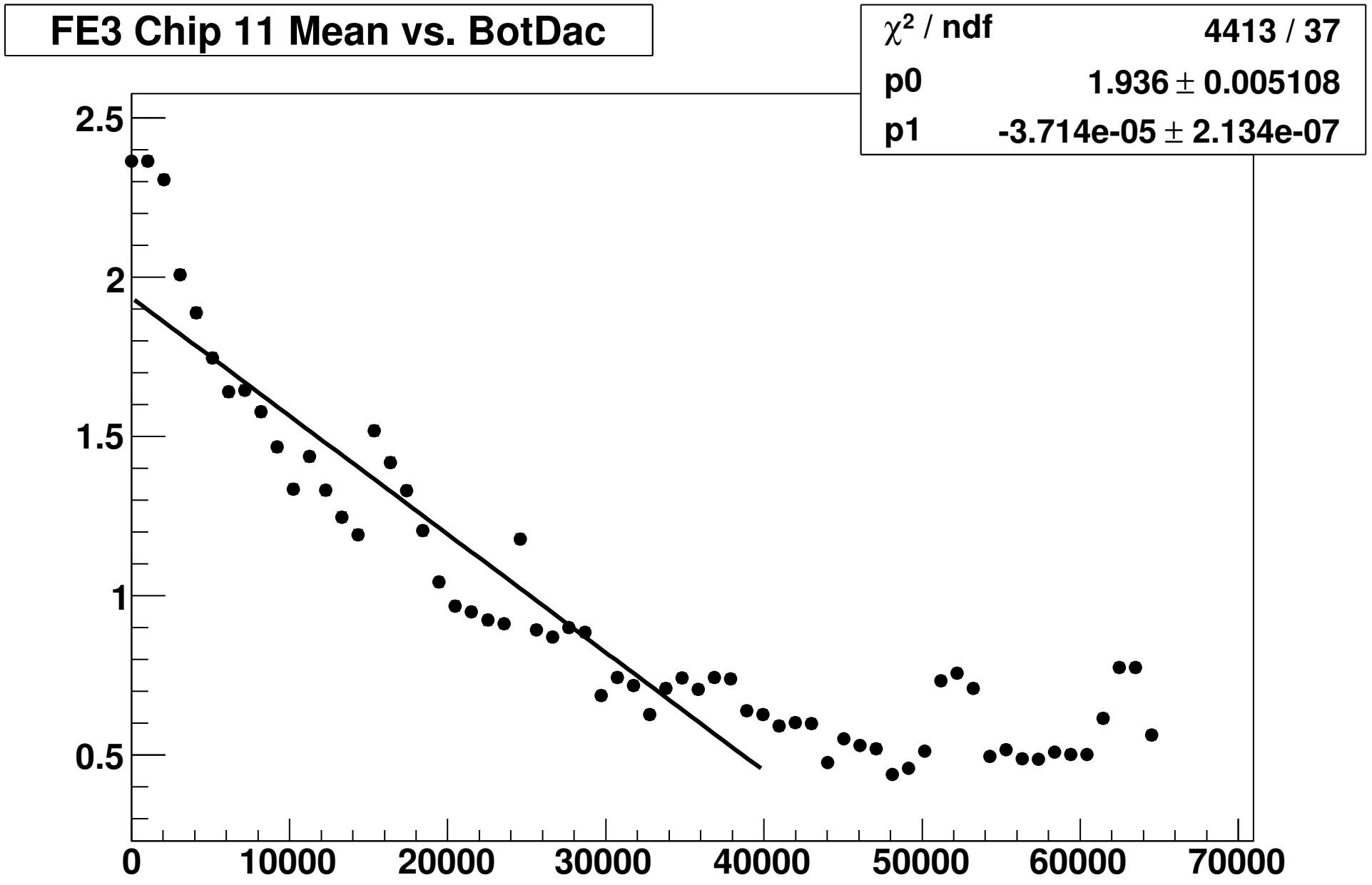
FE3 Chip 11 Mean vs. BotDac
χ² / ndf 4413 / 37
p0 1.936 ± 0.005108
p1 -3.714e-05 ± 2.134e-07
2.5
2
1.5
1
0.5
0
10000
20000
30000
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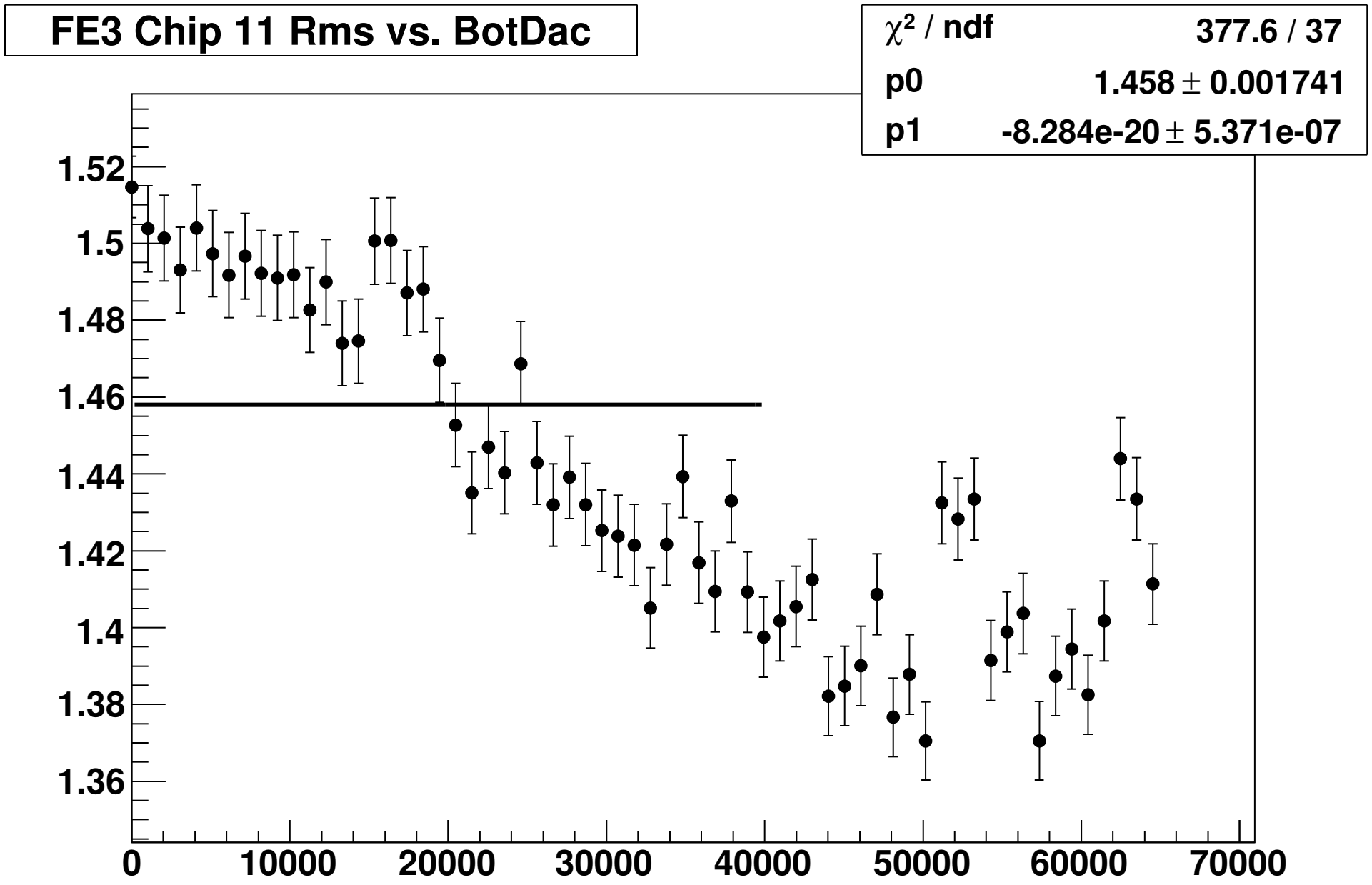
FE3 Chip 11 Rms vs. BotDac
χ² / ndf 377.6 / 37
p0 1.458 ± 0.001741
p1 -8.284e-20 ± 5.371e-07
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
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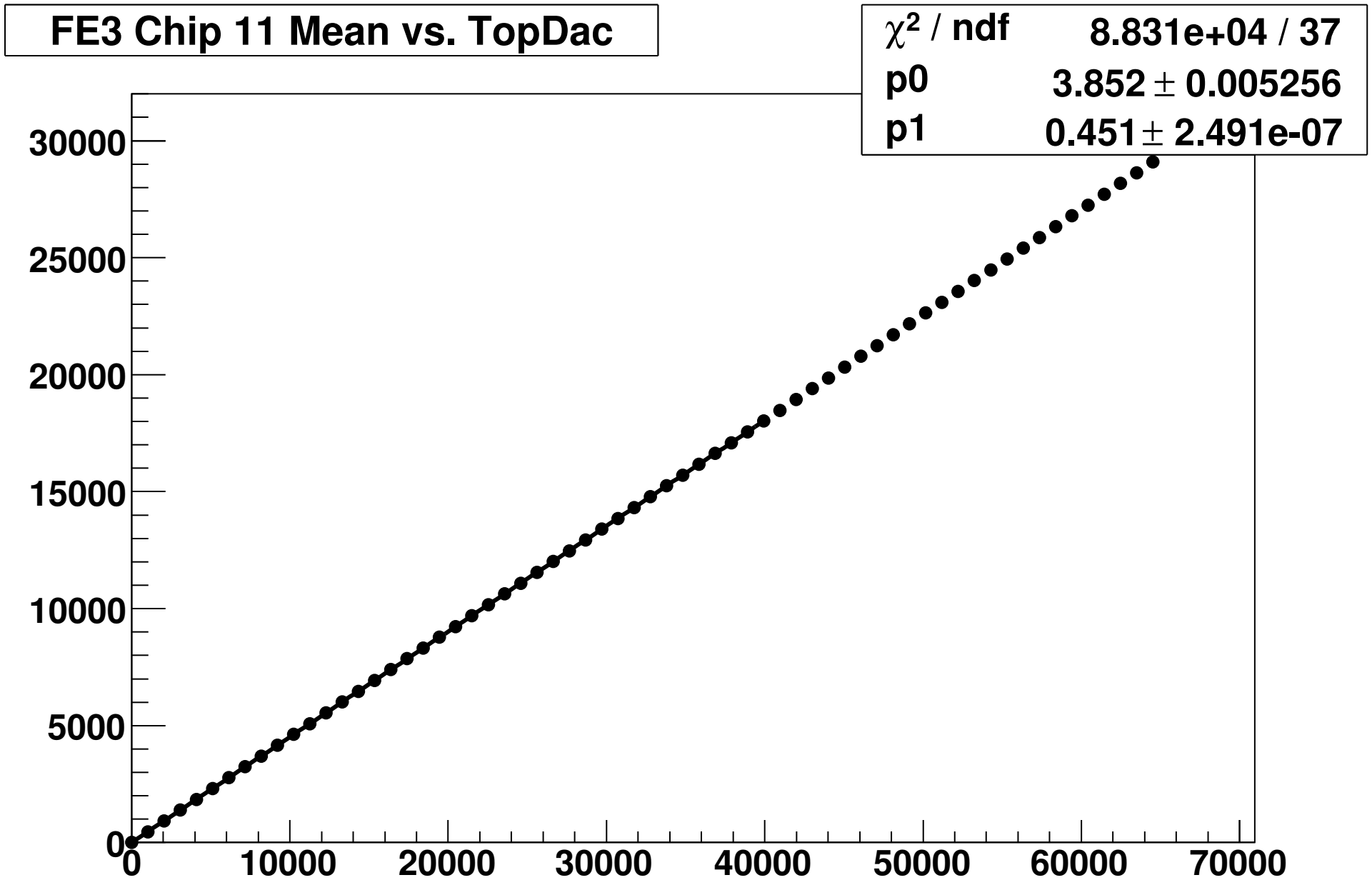
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 8.831e+04 / 37
p0 3.852 ± 0.005256
p1 0.451 ± 2.491e-07
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25000
20000
15000
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5000
0
0
10000
20000
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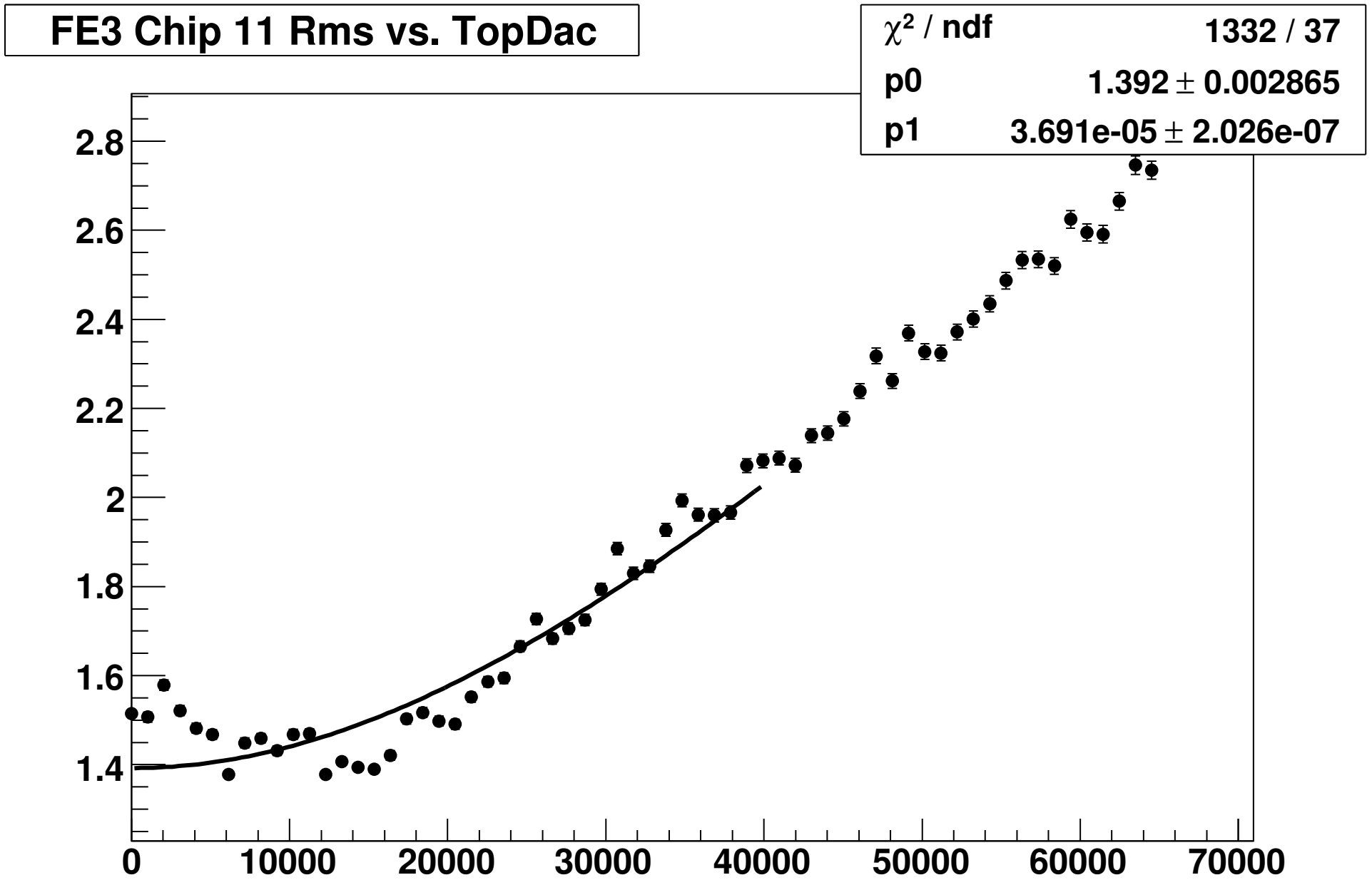
FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1332 / 37
p0 1.392 ± 0.002865
p1 3.691e-05 ± 2.026e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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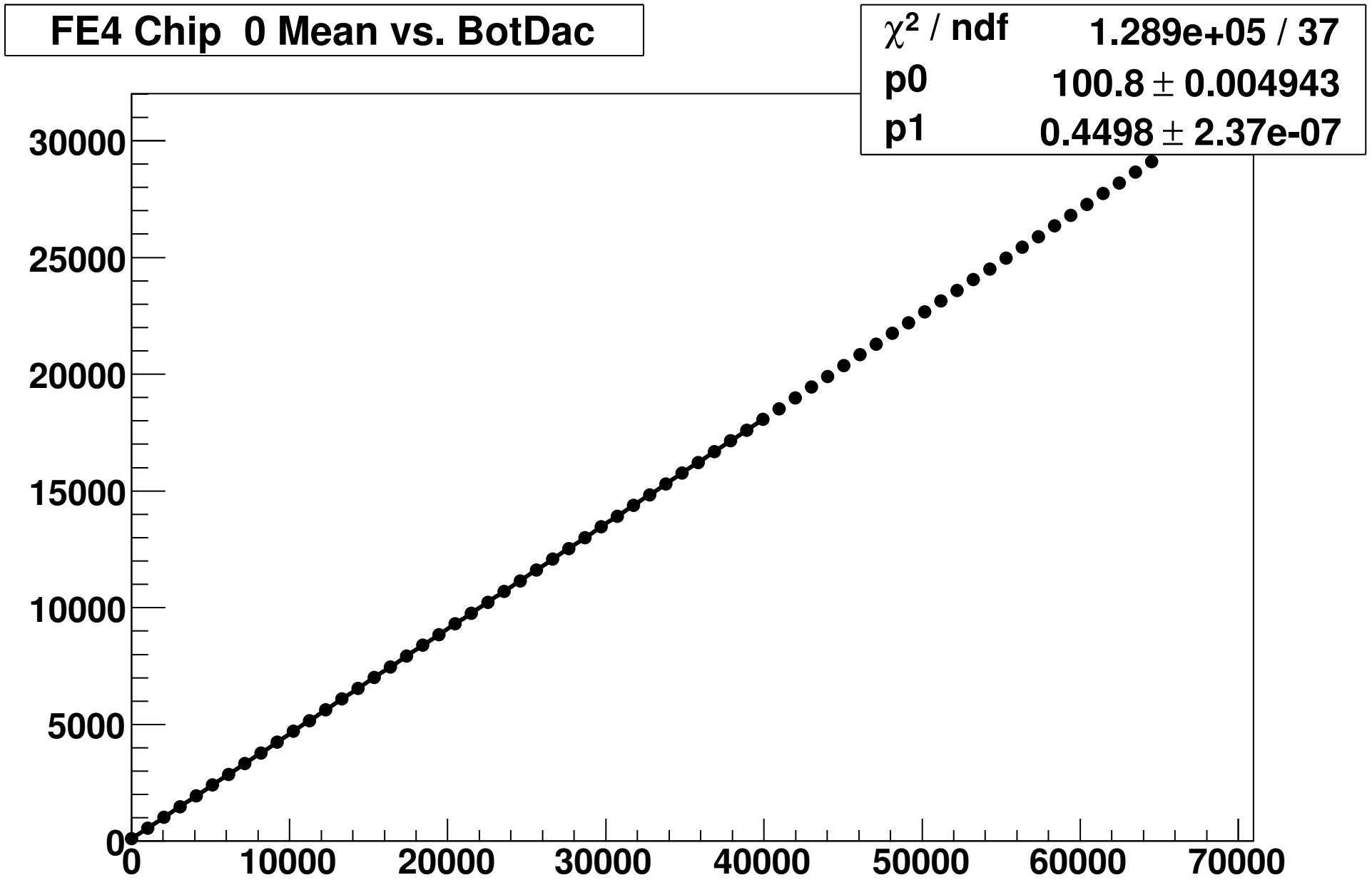
FE4 Chip 0 Mean vs. BotDac
χ² / ndf 1.289e+05 / 37
p0 100.8 ± 0.004943
p1 0.4498 ± 2.37e-07
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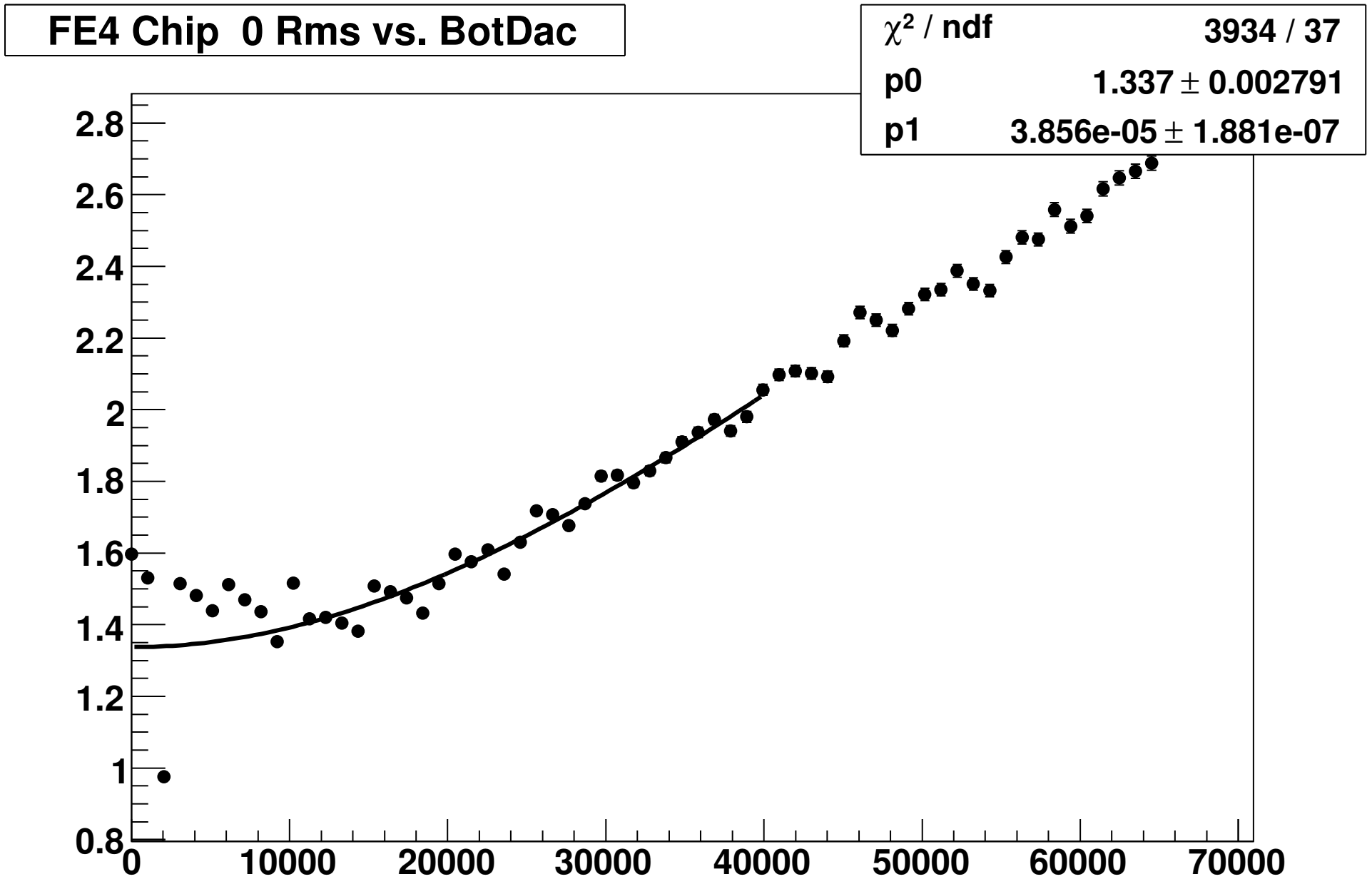
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 3934 / 37
p0 1.337 ± 0.002791
p1 3.856e-05 ± 1.881e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
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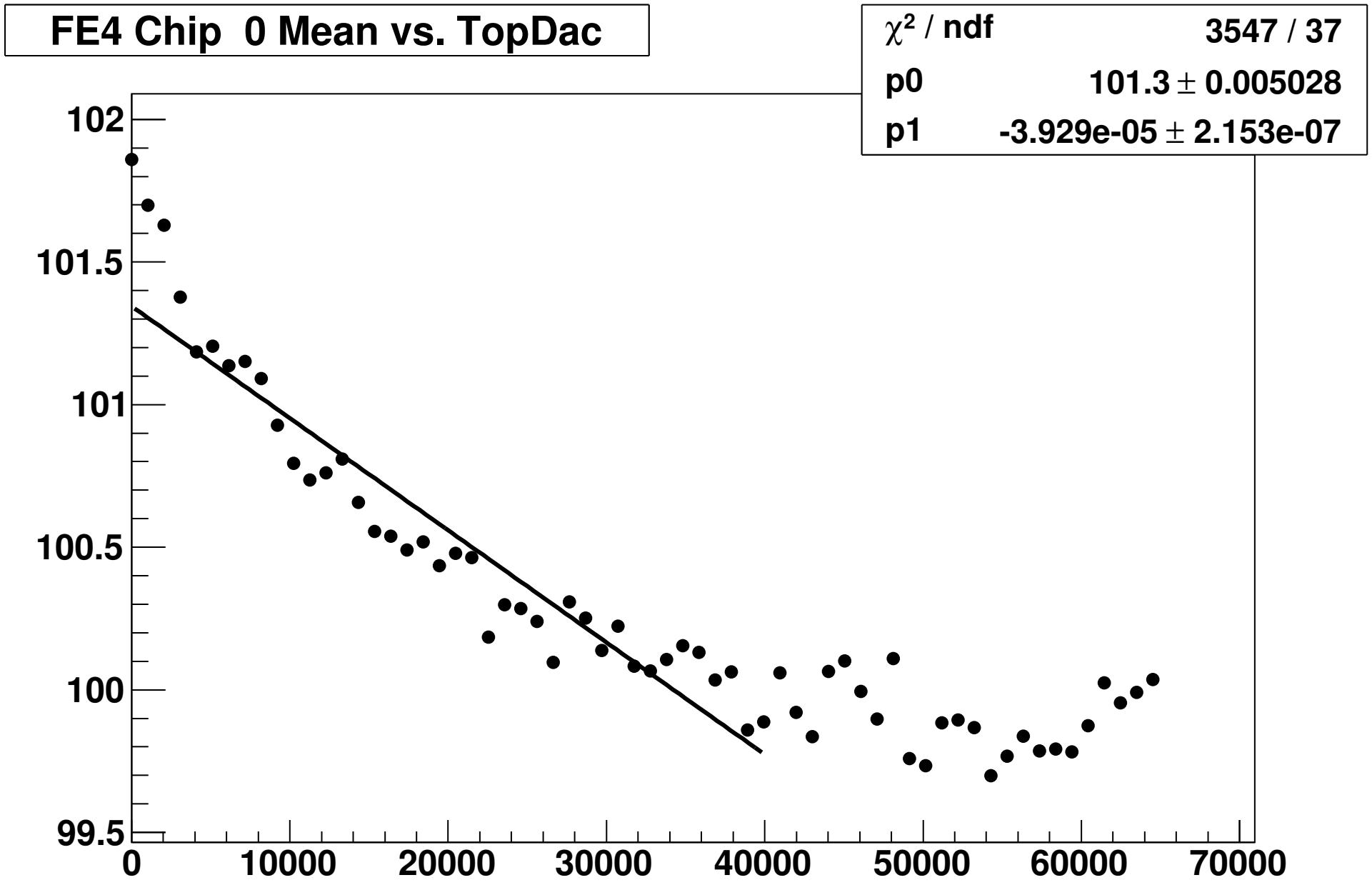
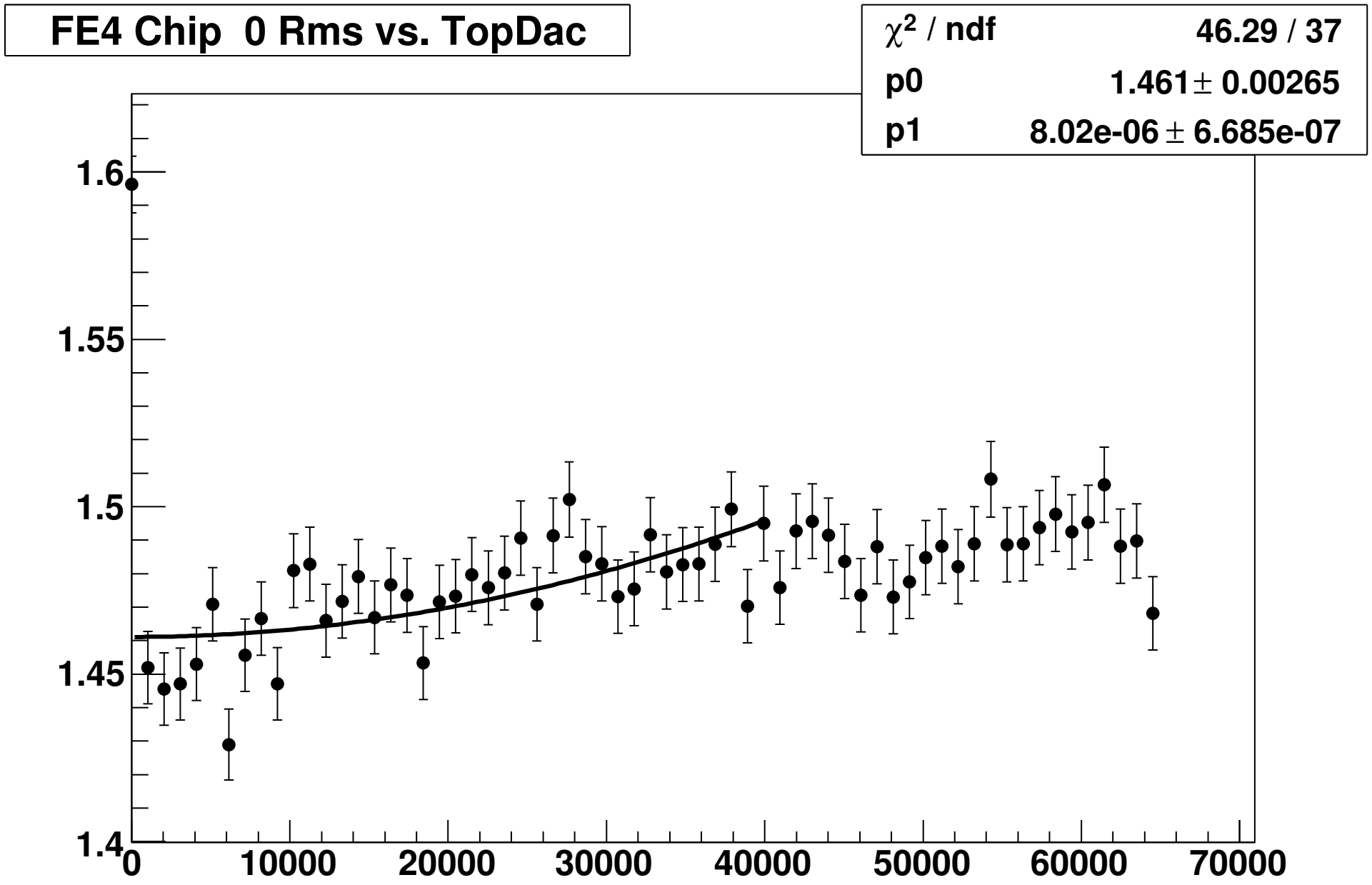
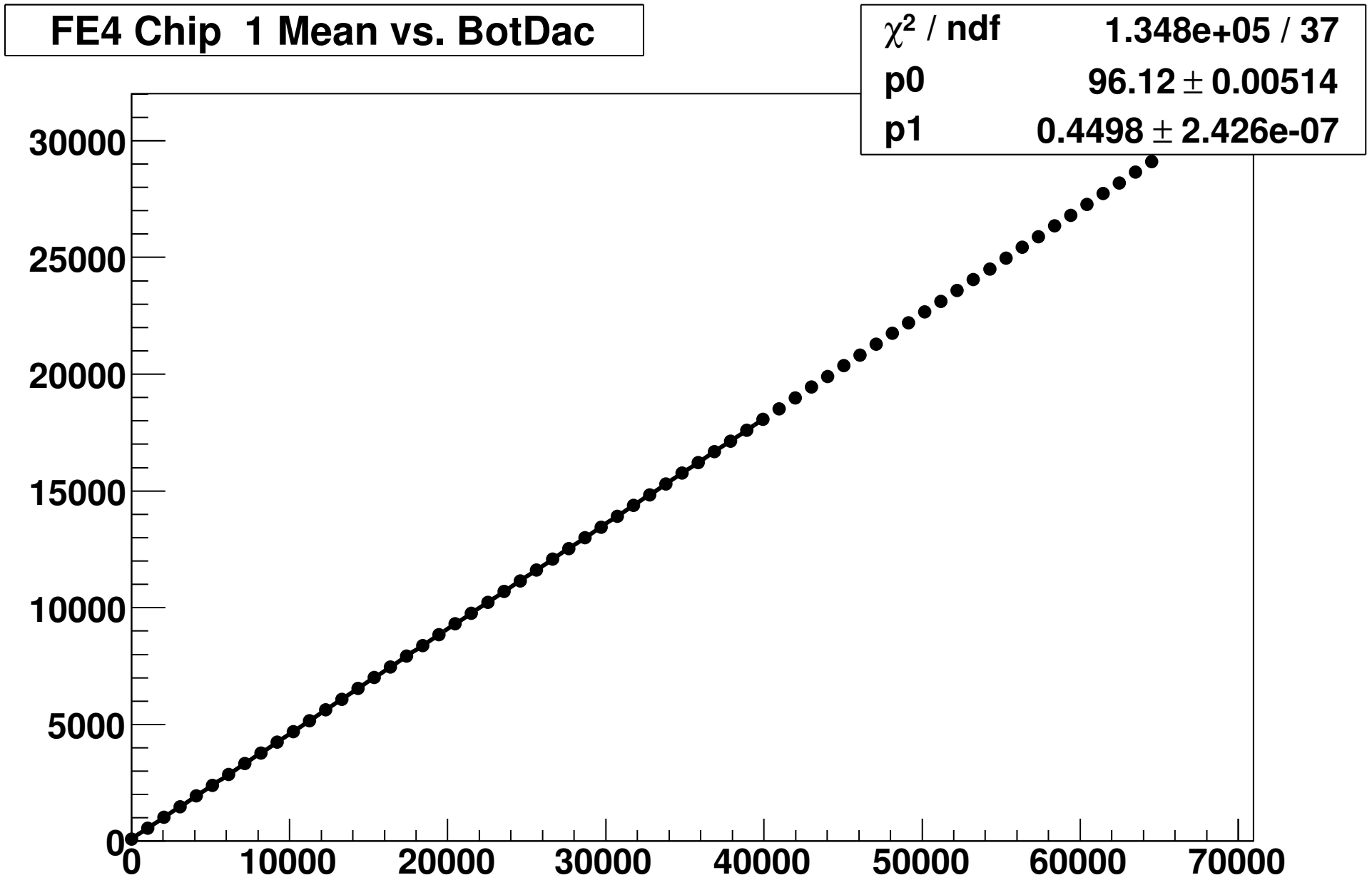

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 3547 / 37
p0 101.3 ± 0.005028
p1 -3.929e-05 ± 2.153e-07
102
101.5
101
100.5
100
99.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 46.29 / 37
p0 1.461 ± 0.00265
p1 8.02e-06 ± 6.685e-07
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.348e+05 / 37
p0 96.12 ± 0.00514
p1 0.4498 ± 2.426e-07
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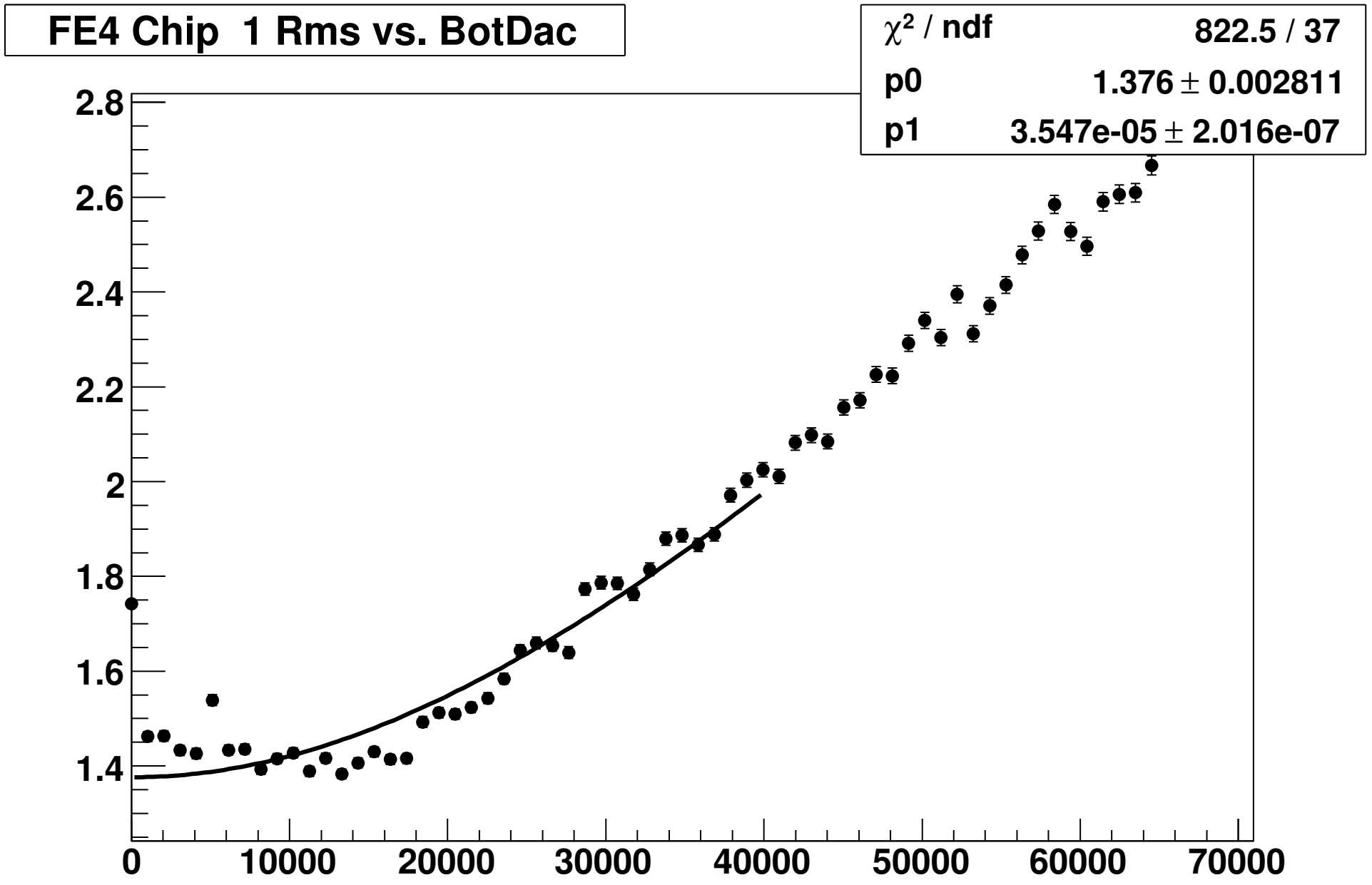
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 822.5 / 37
p0 1.376 ± 0.002811
p1 3.547e-05 ± 2.016e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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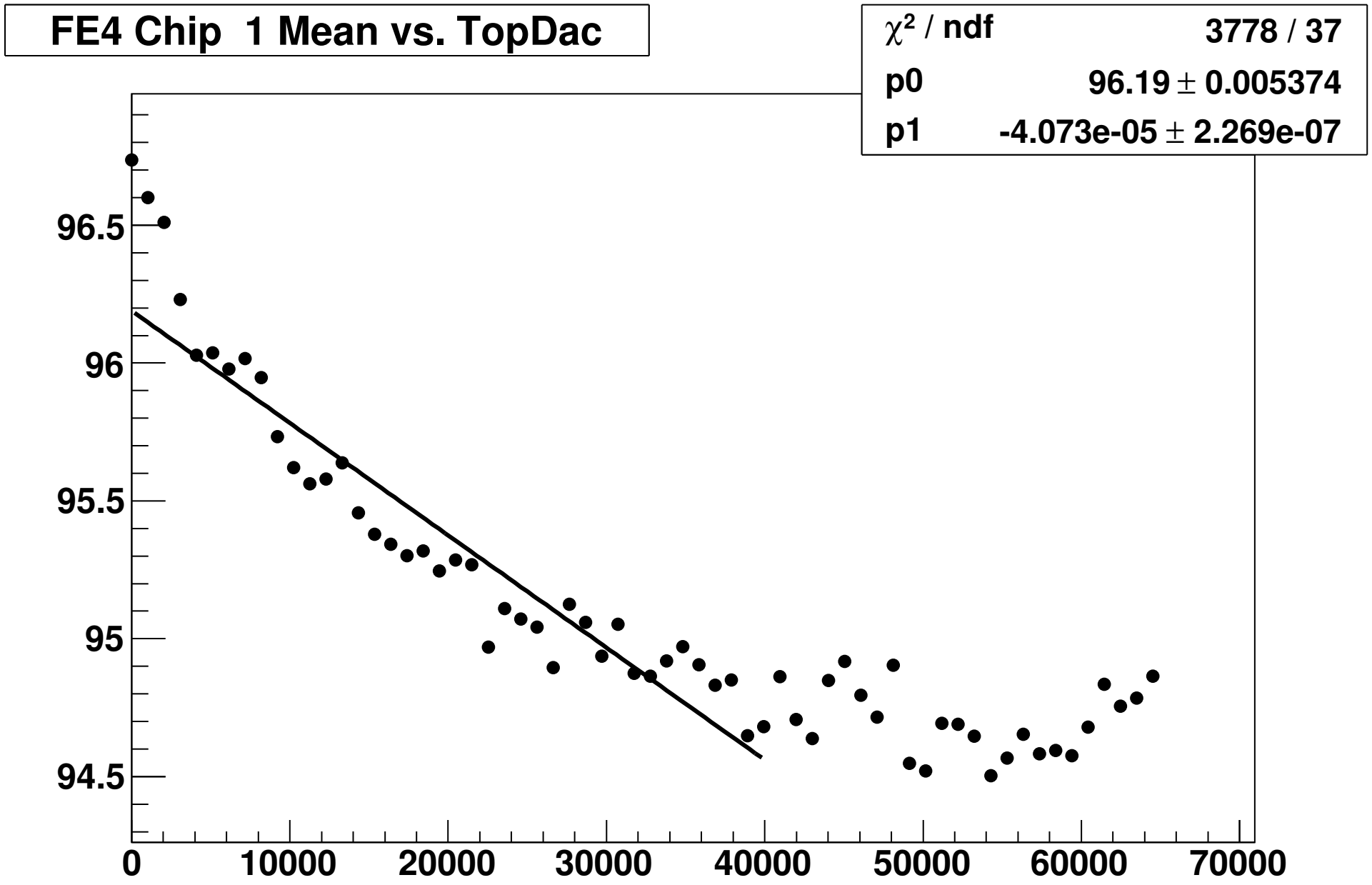
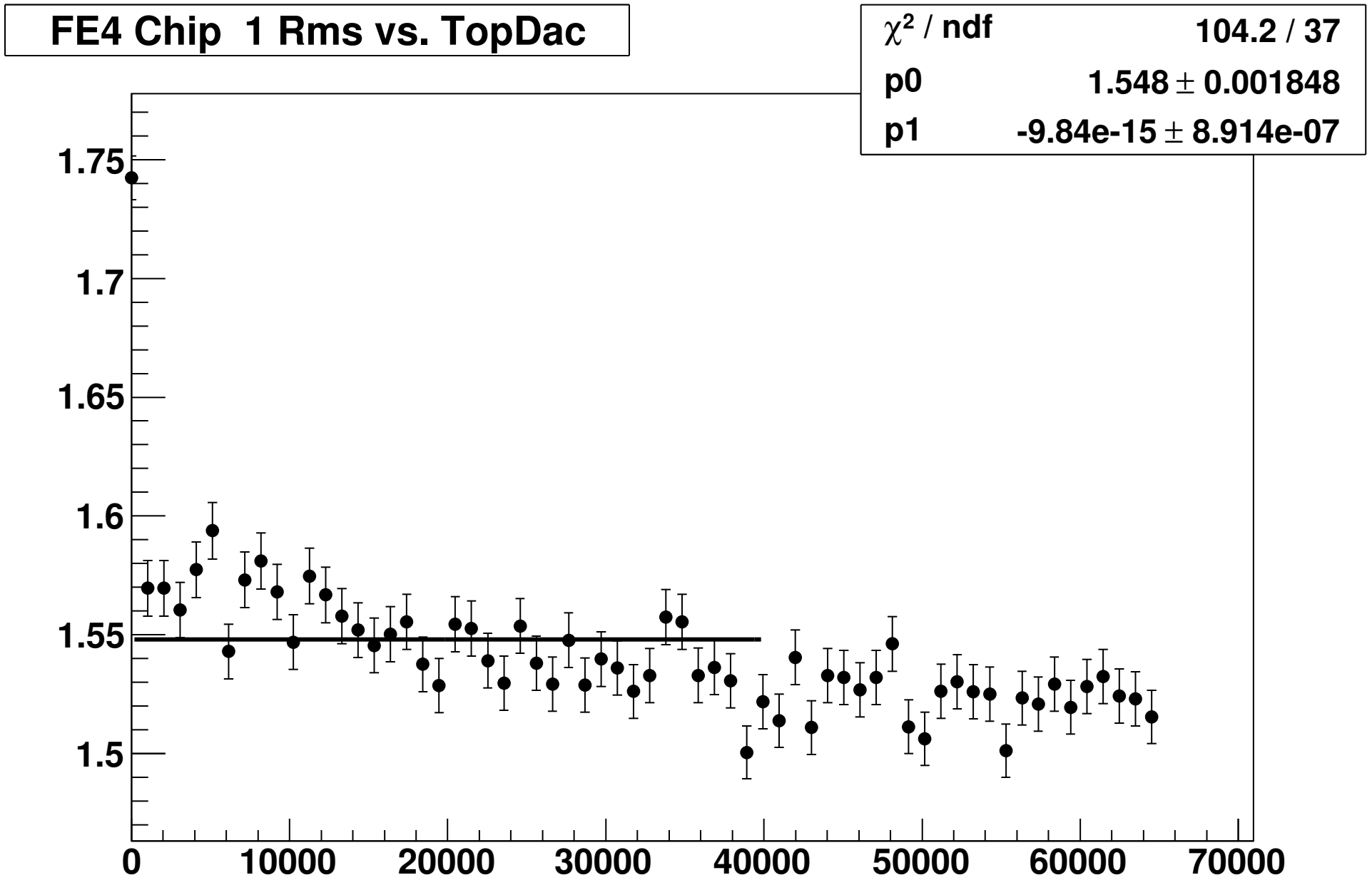

FE4 Chip 1 Mean vs. TopDac
χ² / ndf 3778 / 37
p0 96.19 ± 0.005374
p1 -4.073e-05 ± 2.269e-07
96.5
96
95.5
95
94.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 104.2 / 37
p0 1.548 ± 0.001848
p1 -9.84e-15 ± 8.914e-07
1.75
1.7
1.65
1.6
1.55
1.5
0
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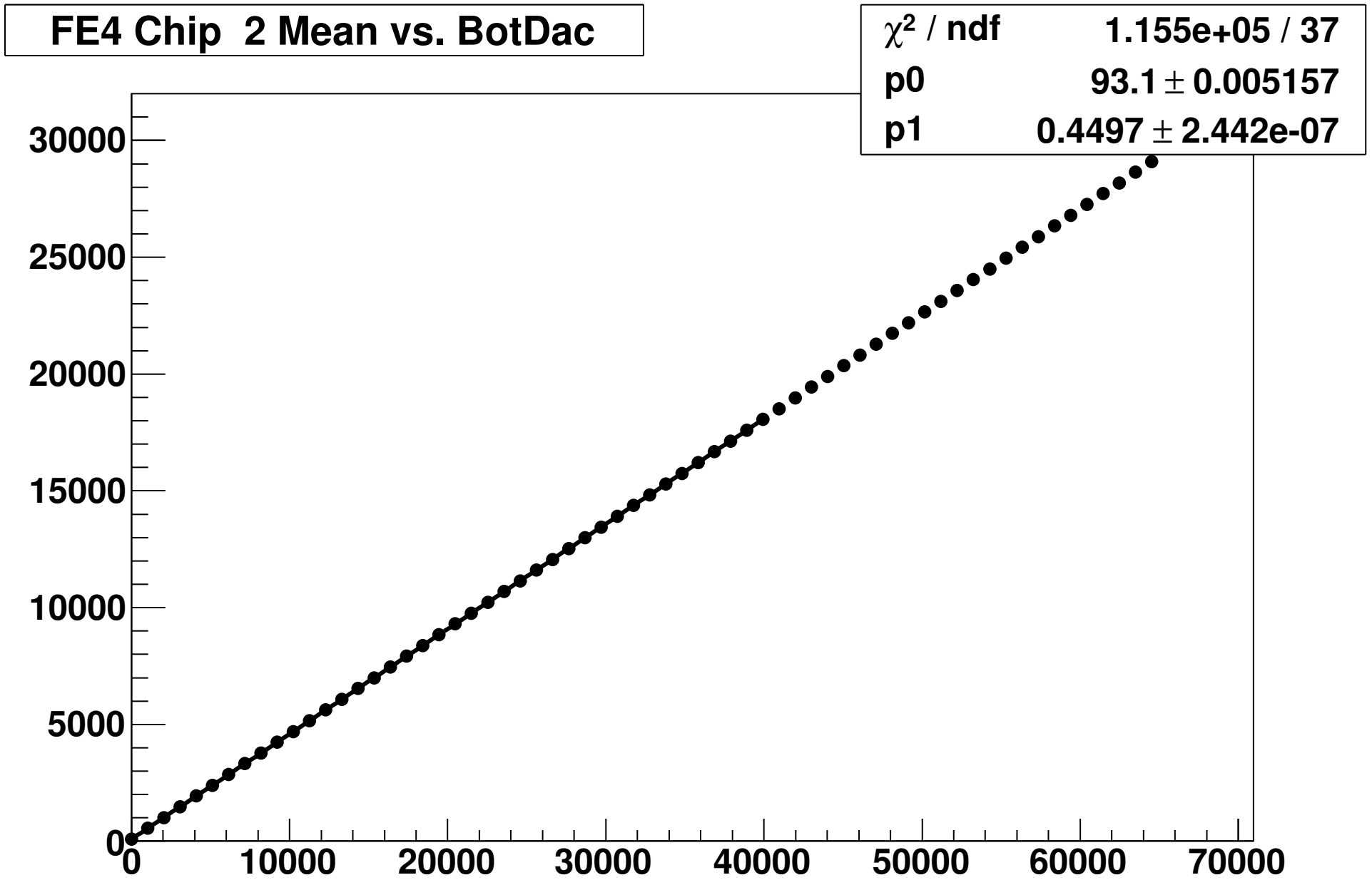
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 1.155e+05 / 37
p0 93.1 ± 0.005157
p1 0.4497 ± 2.442e-07
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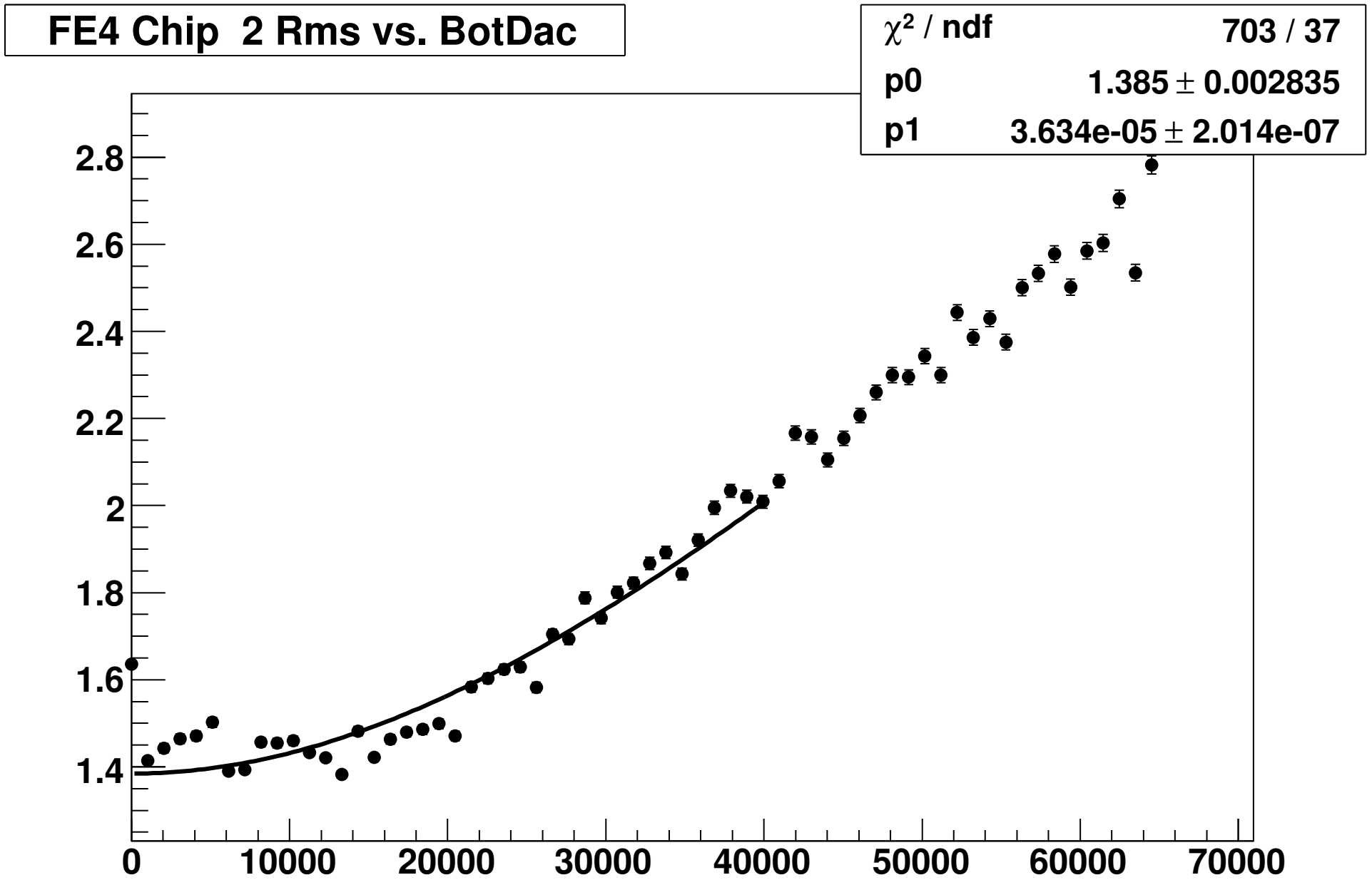
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 703 / 37
p0 1.385 ± 0.002835
p1 3.634e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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60000
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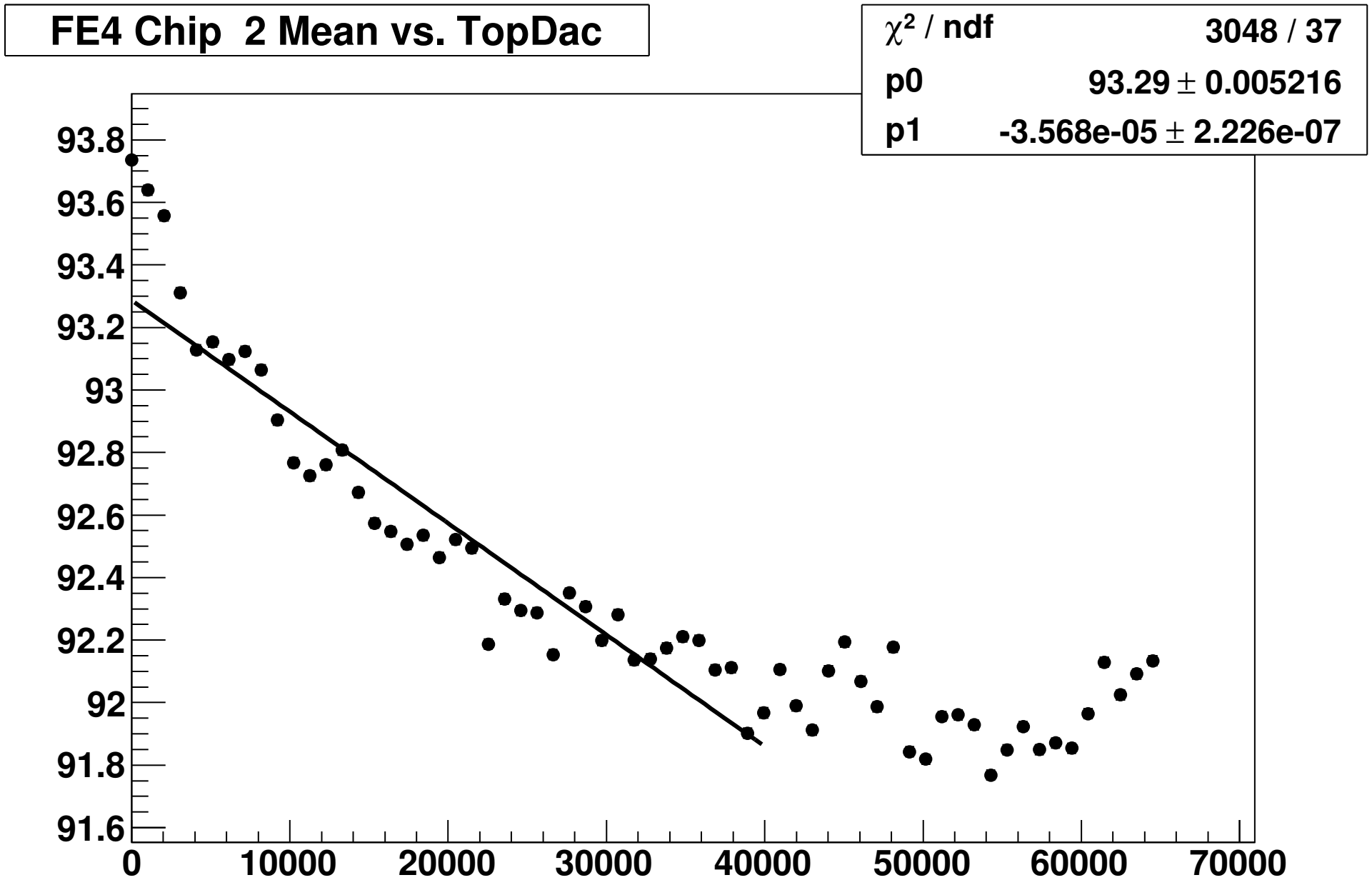
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 3048 / 37
p0 93.29 ± 0.005216
p1 -3.568e-05 ± 2.226e-07
93.8
93.6
93.4
93.2
93
92.8
92.6
92.4
92.2
92
91.8
91.6
0
10000
20000
30000
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50000
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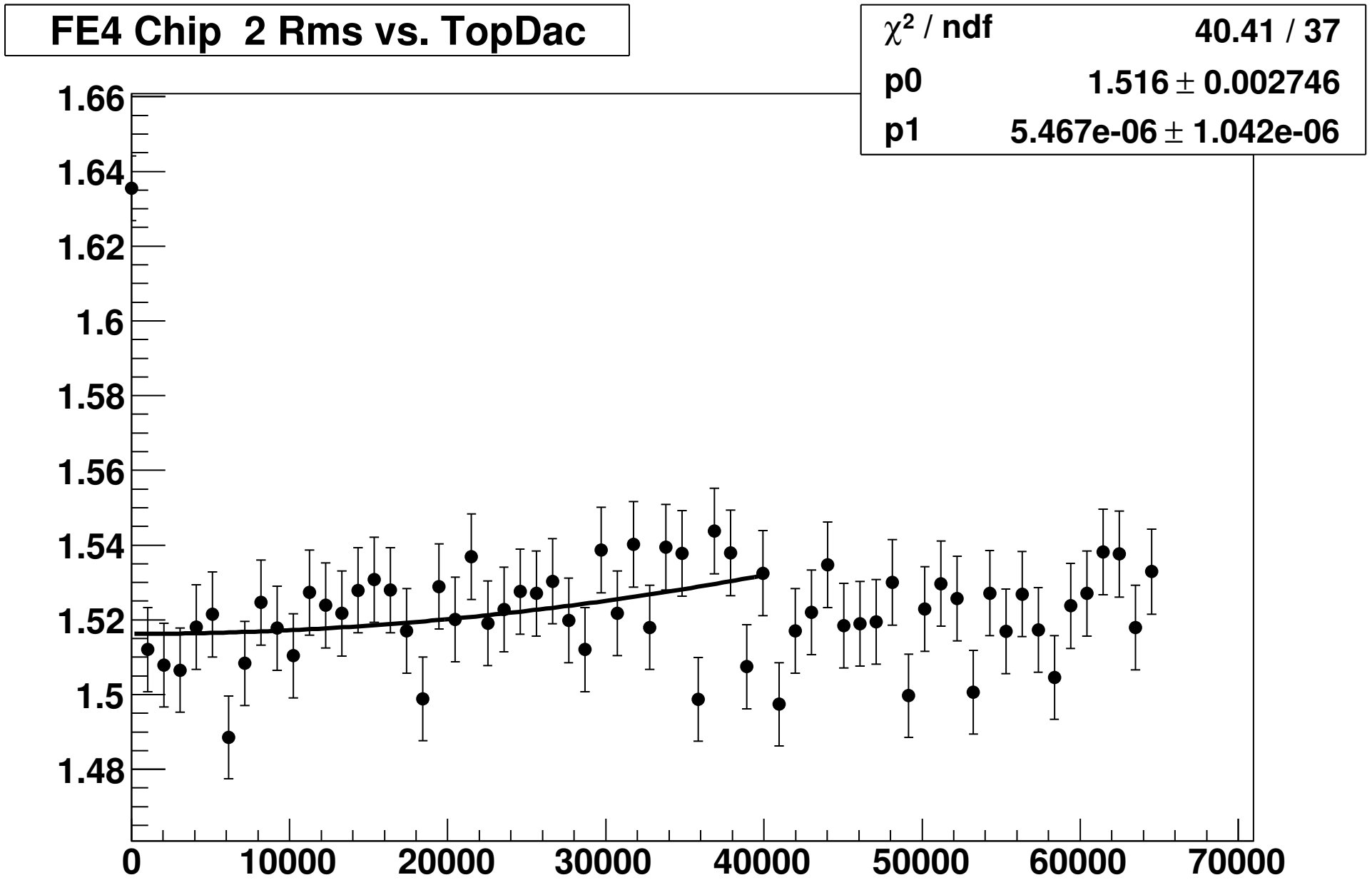
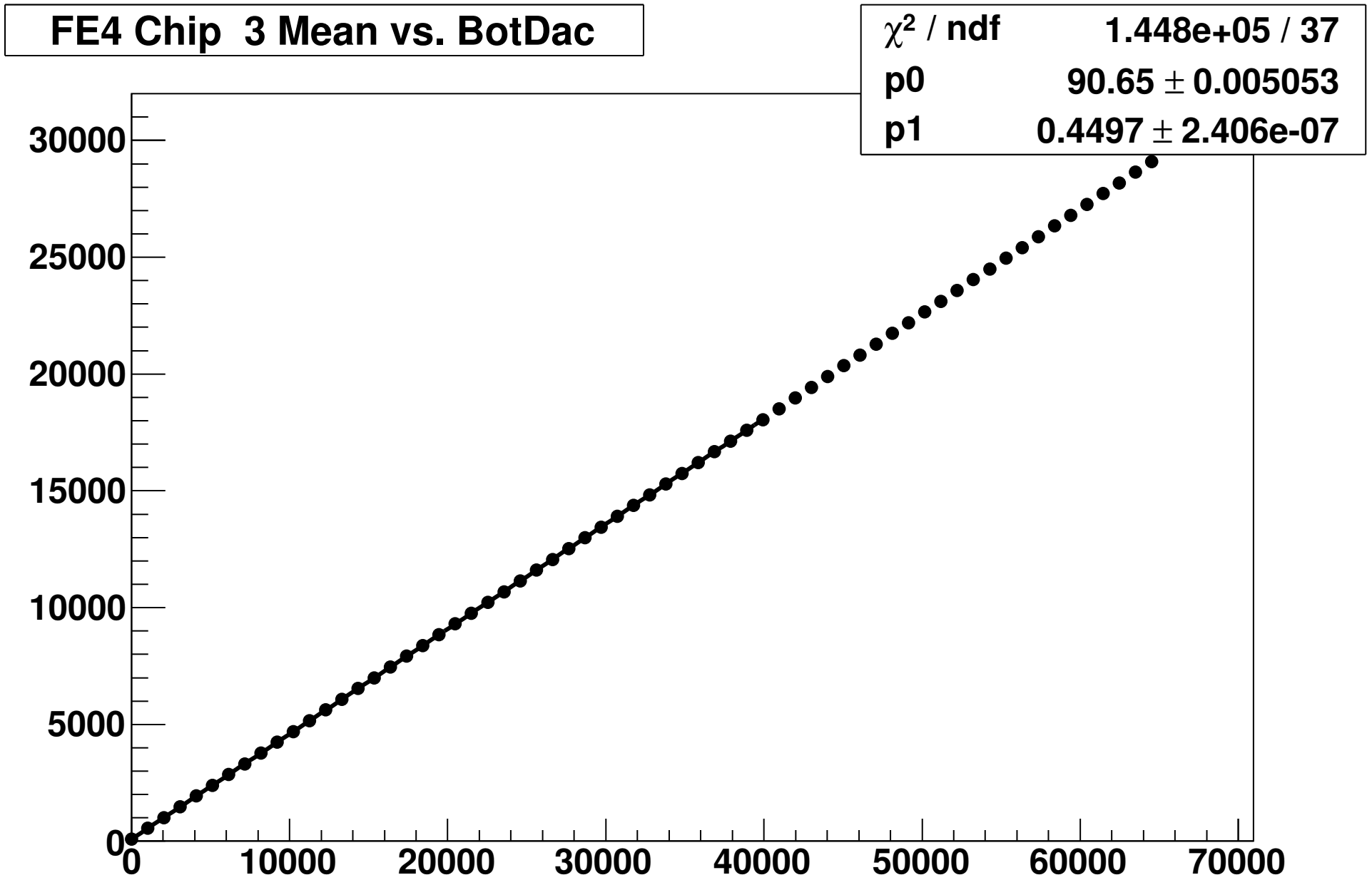
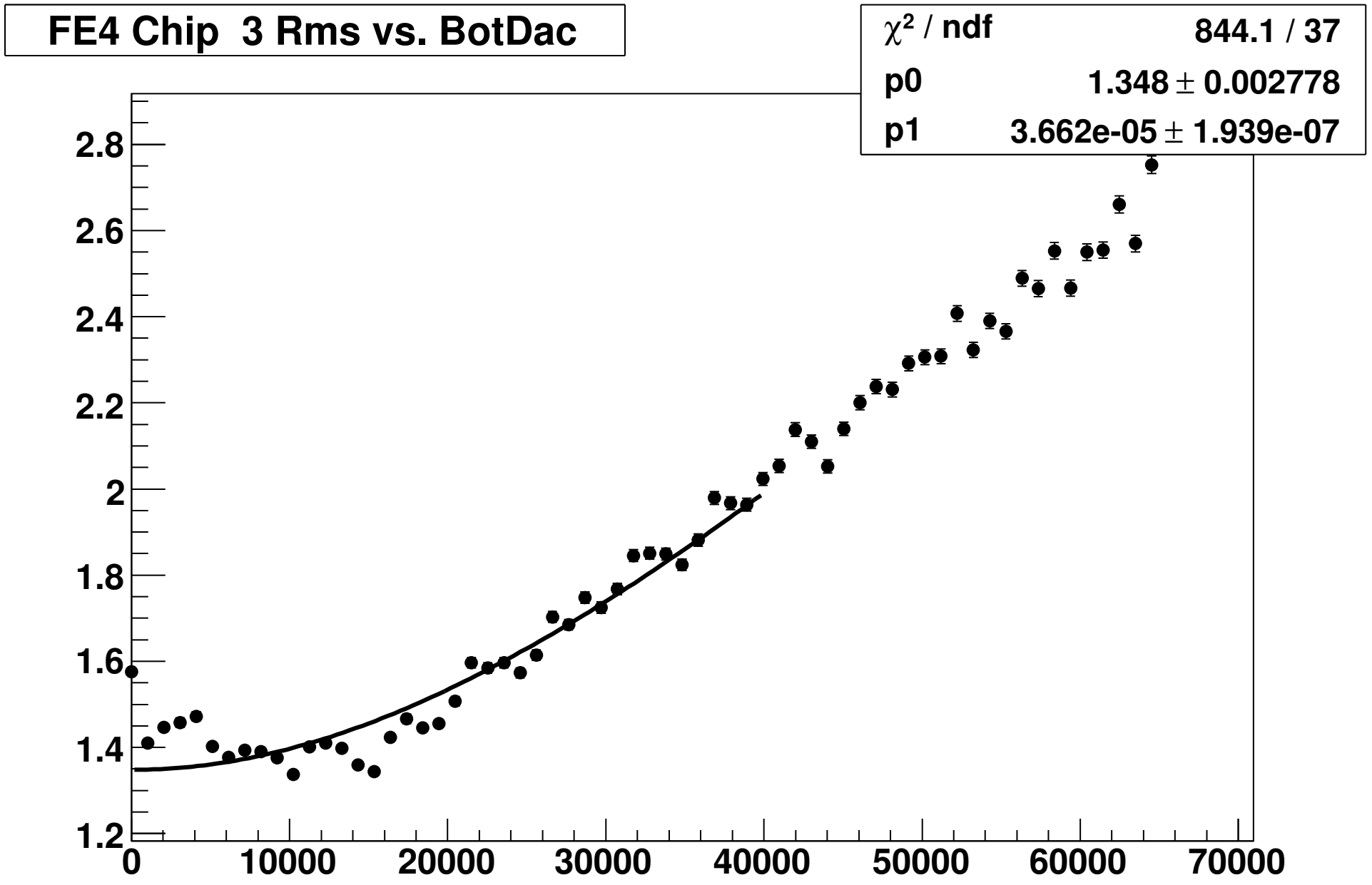

FE4 Chip 2 Rms vs. TopDac
χ² / ndf 40.41 / 37
p0 1.516 ± 0.002746
p1 5.467e-06 ± 1.042e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 1.448e+05 / 37
p0 90.65 ± 0.005053
p1 0.4497 ± 2.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 844.1 / 37
p0 1.348 ± 0.002778
p1 3.662e-05 ± 1.939e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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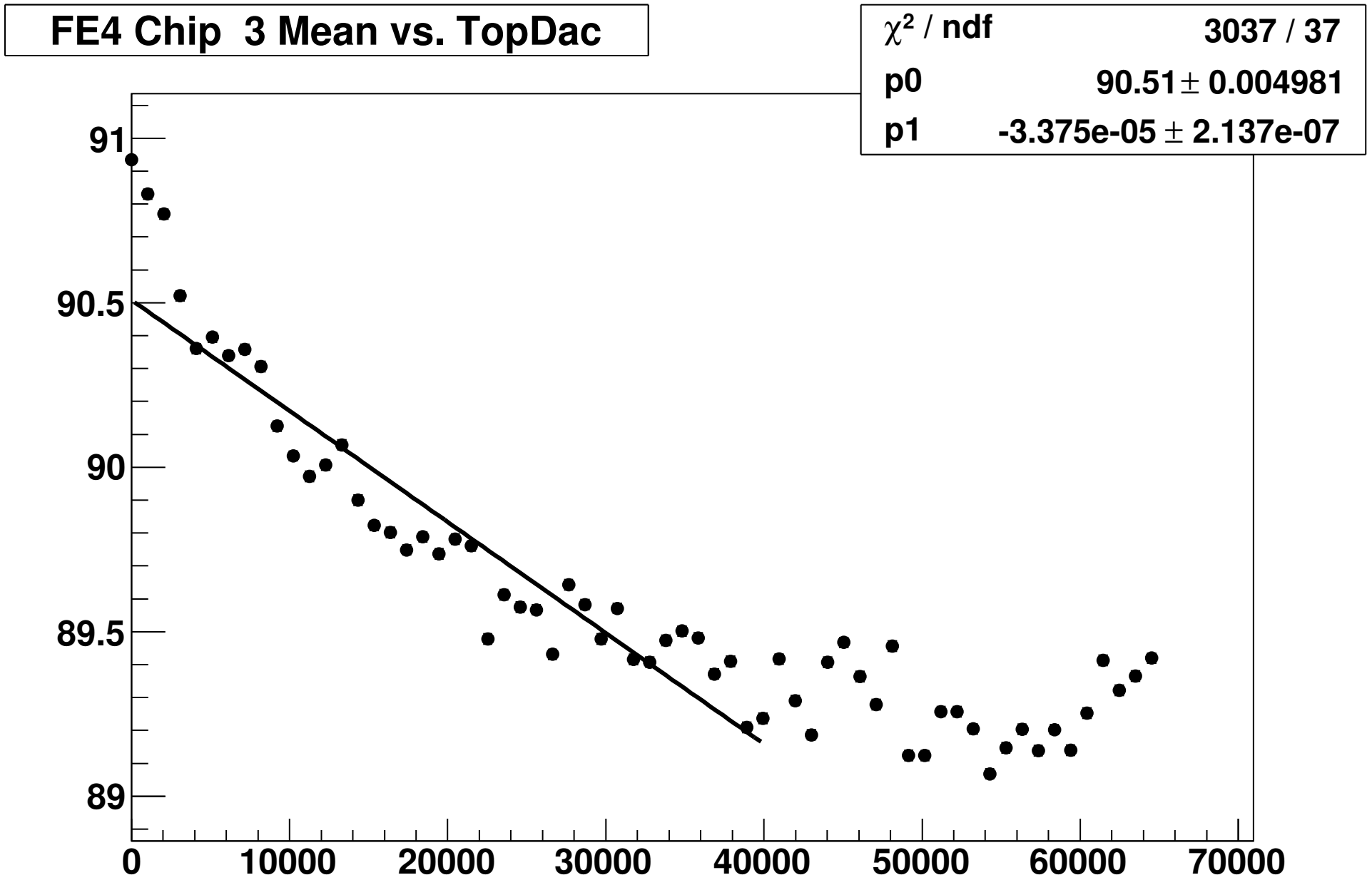
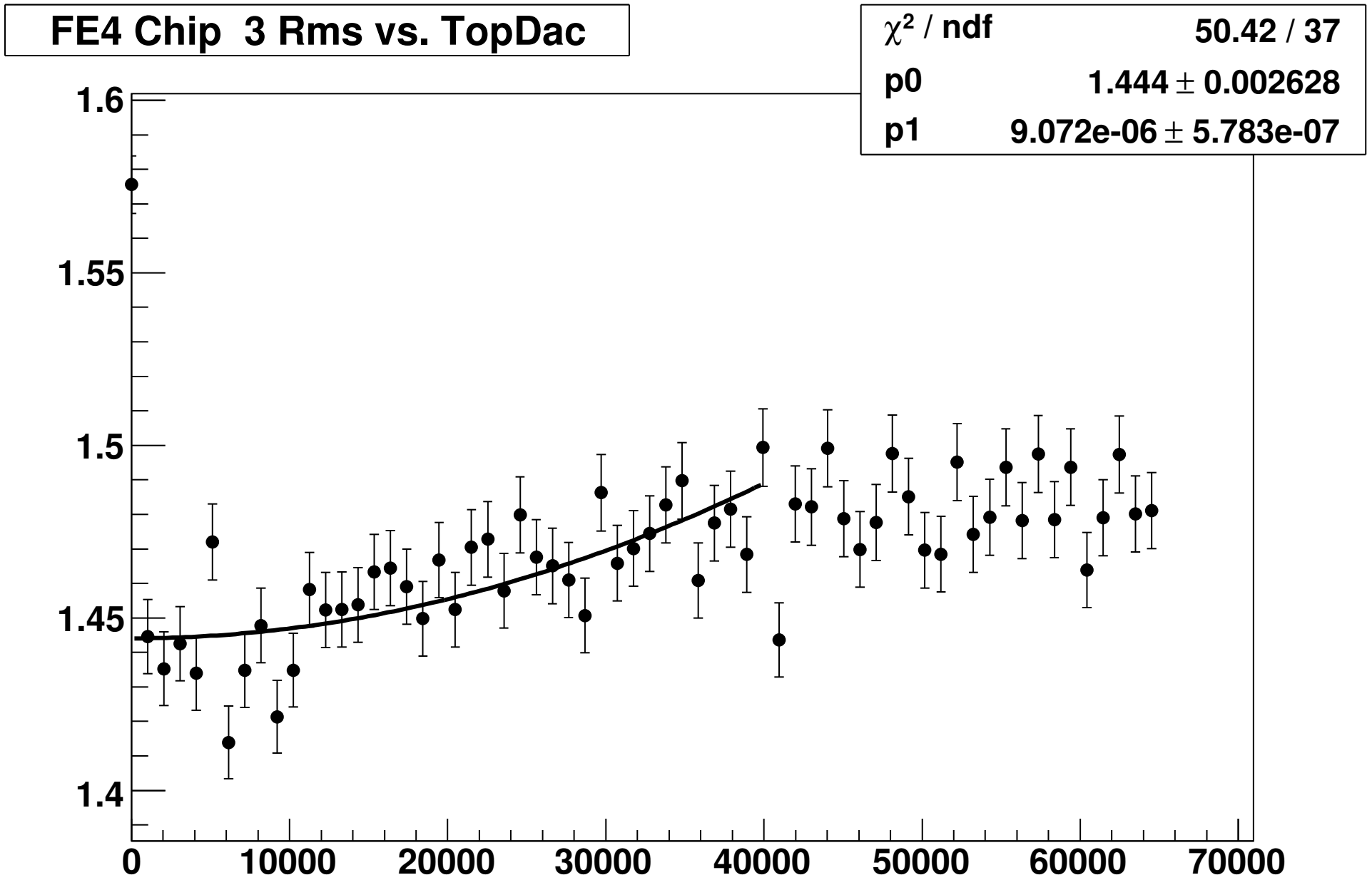

FE4 Chip 3 Mean vs. TopDac
χ² / ndf 3037 / 37
p0 90.51 ± 0.004981
p1 -3.375e-05 ± 2.137e-07
91
90.5
90
89.5
89
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 50.42 / 37
p0 1.444 ± 0.002628
p1 9.072e-06 ± 5.783e-07
1.6
1.55
1.5
1.45
1.4
0
10000
20000
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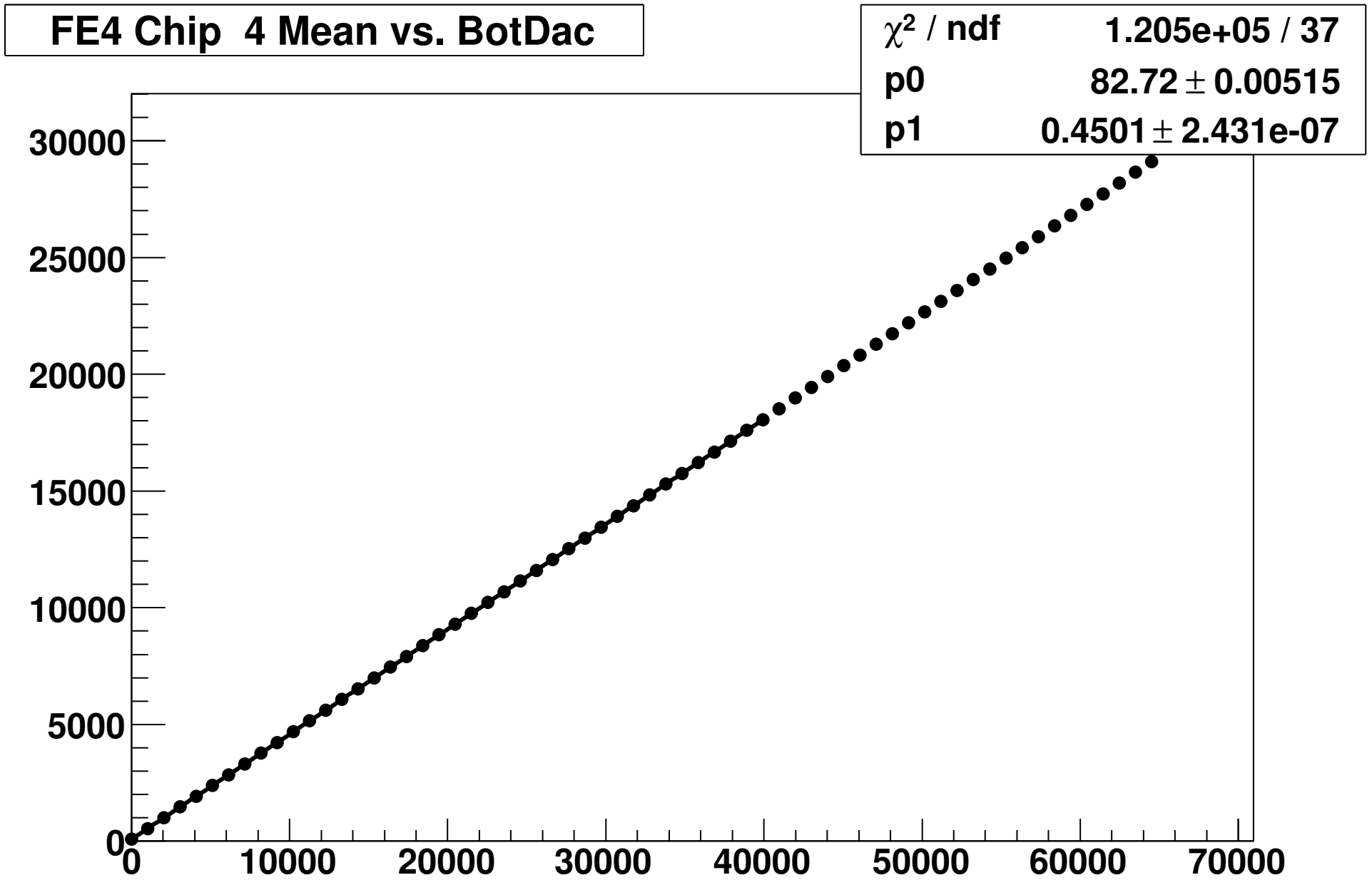
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 1.205e+05 / 37
p0 82.72 ± 0.00515
p1 0.4501 ± 2.431e-07
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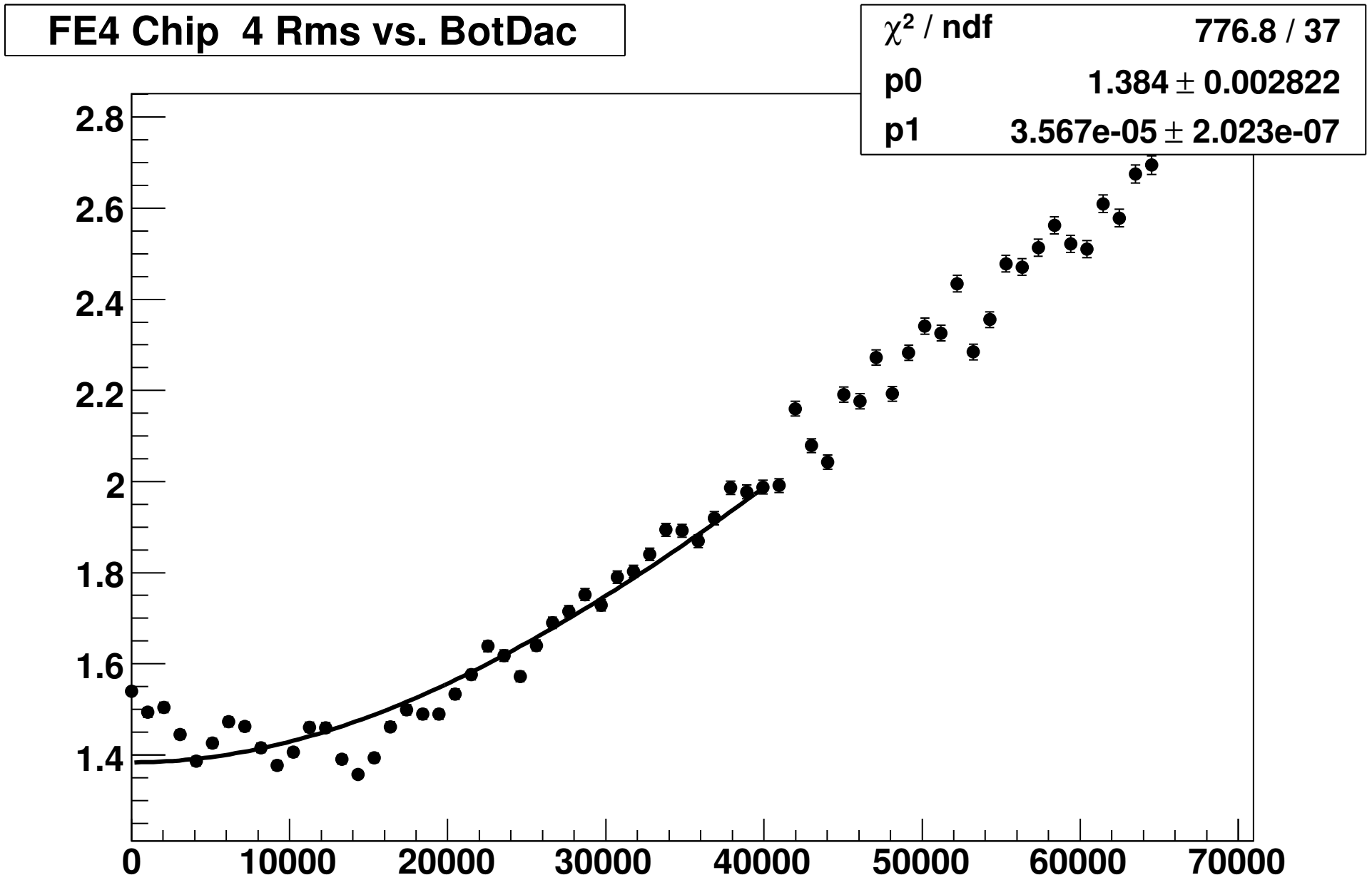
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 776.8 / 37
p0 1.384 ± 0.002822
p1 3.567e-05 ± 2.023e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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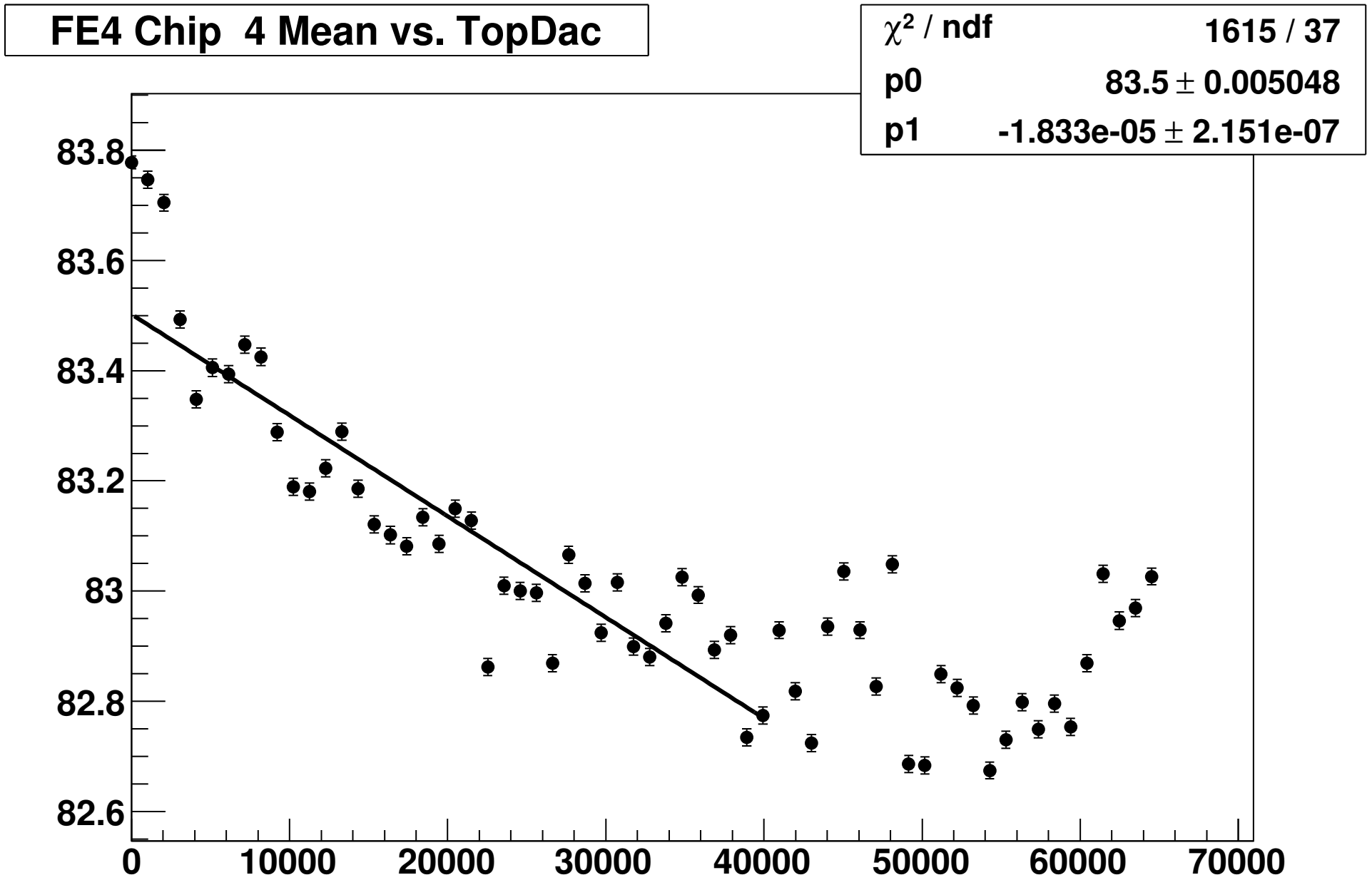
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1615 / 37
p0 83.5 ± 0.005048
p1 -1.833e-05 ± 2.151e-07
83.8
83.6
83.4
83.2
83
82.8
82.6
0
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20000
30000
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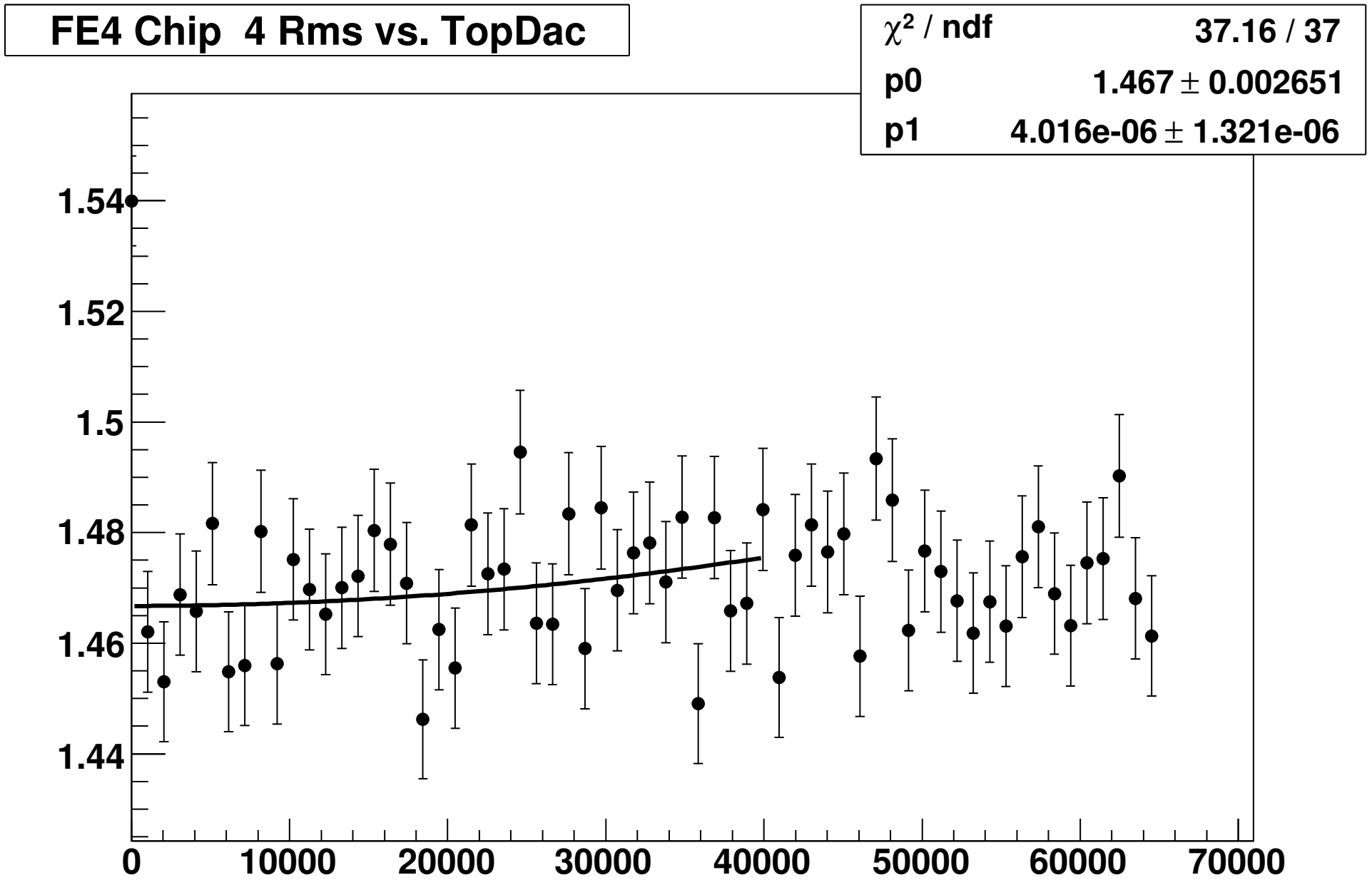
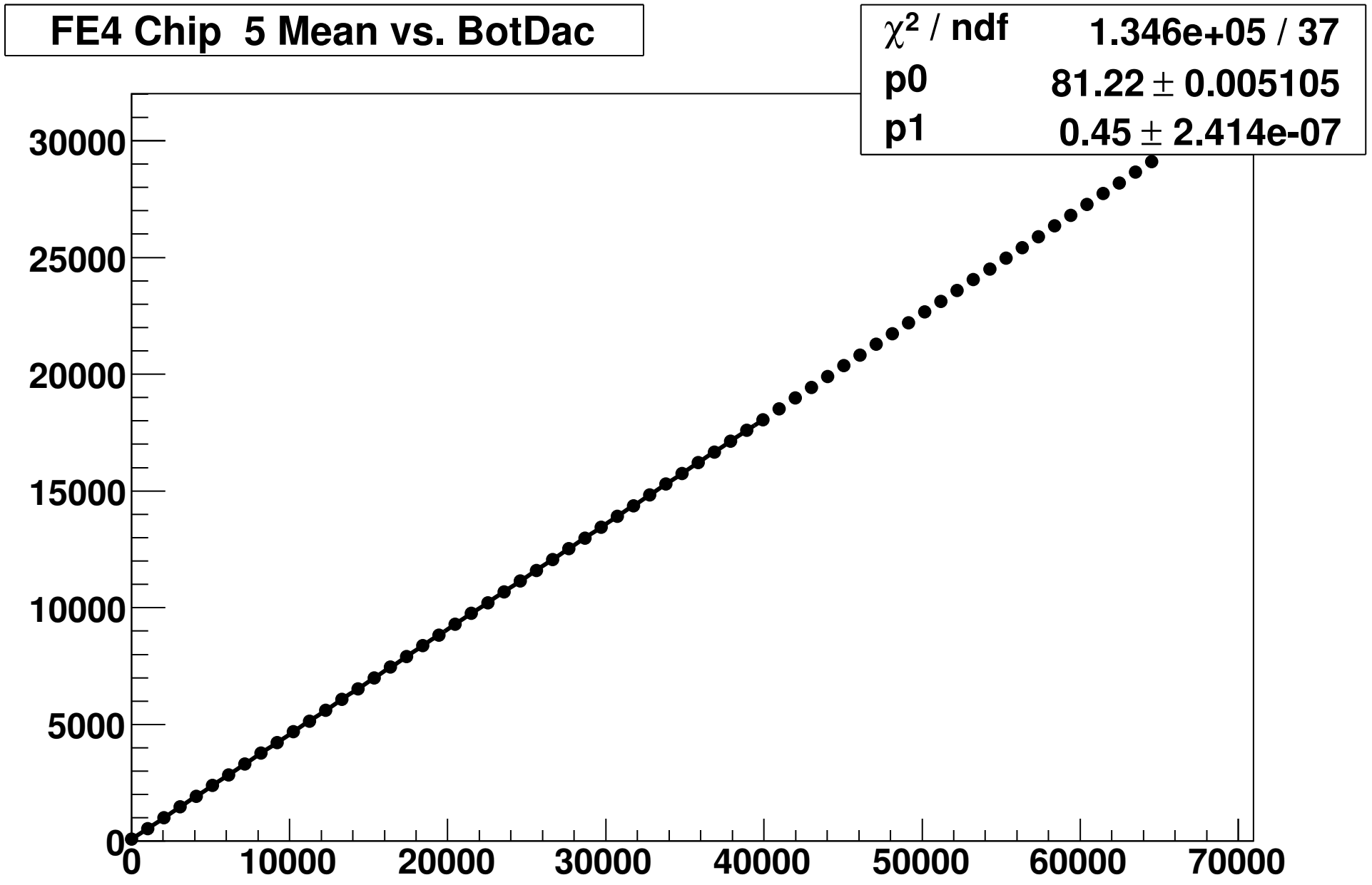
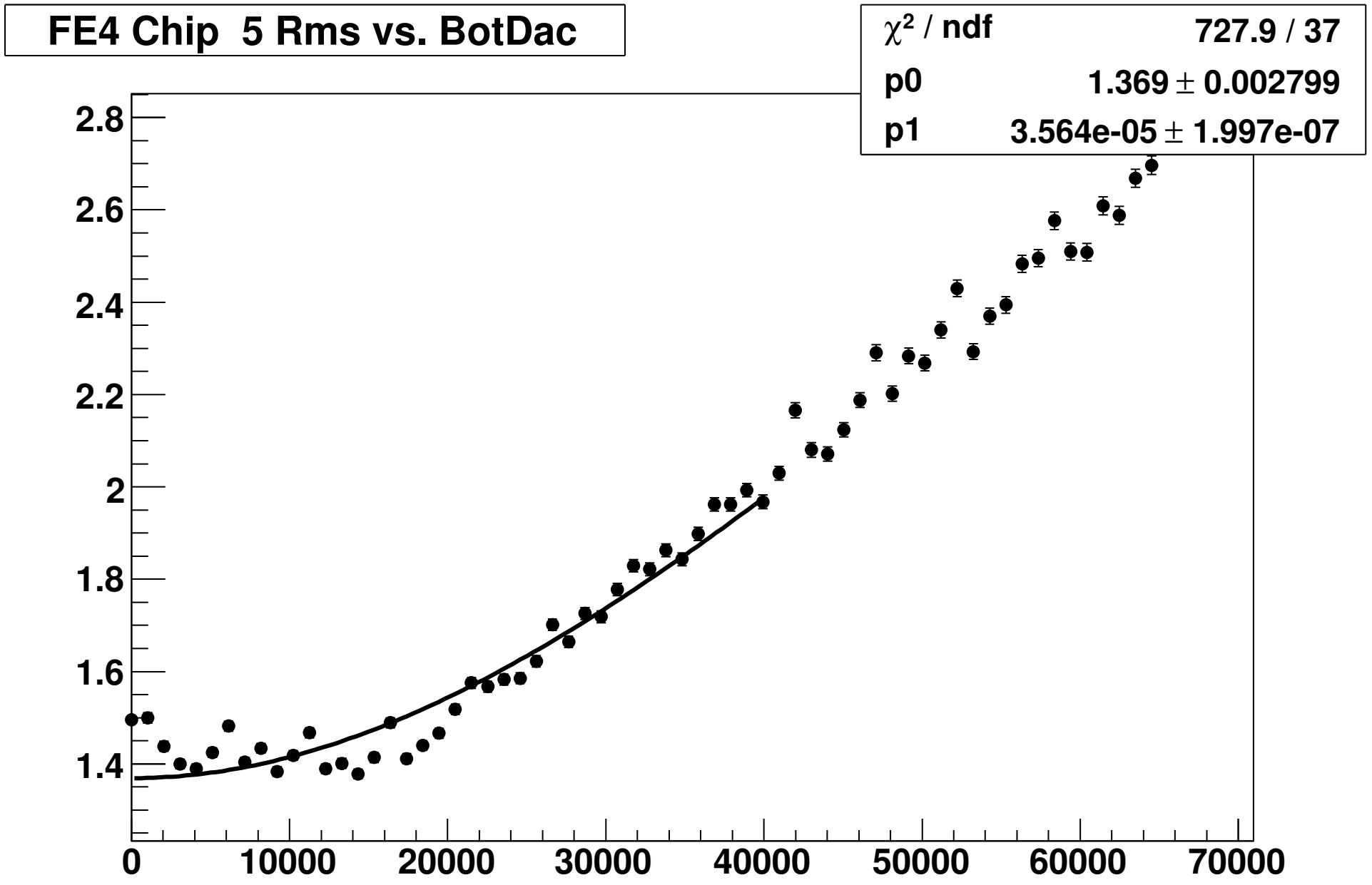
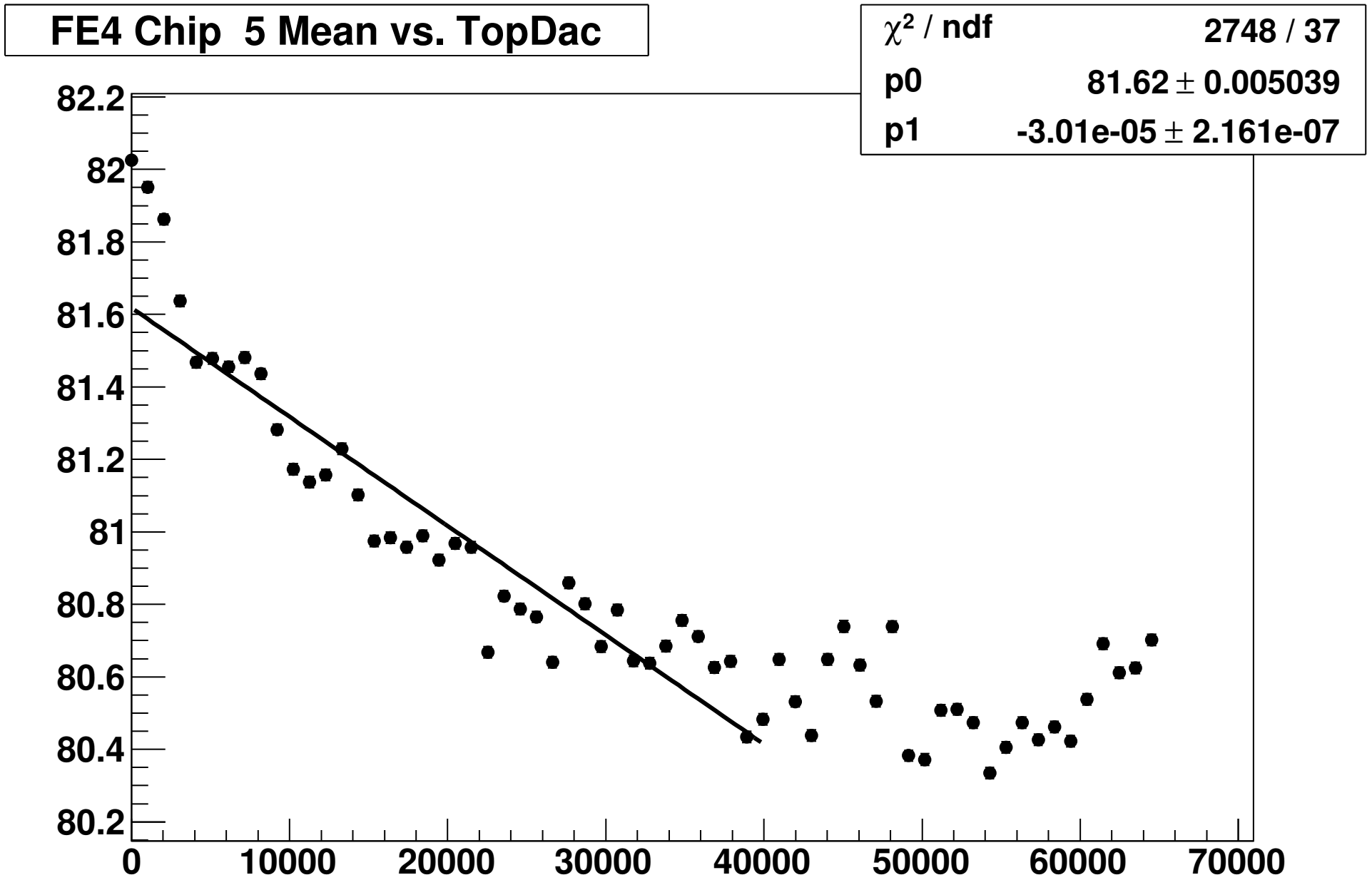
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 37.16 / 37
p0 1.467 ± 0.002651
p1 4.016e-06 ± 1.321e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.346e+05 / 37
p0 81.22 ± 0.005105
p1 0.45 ± 2.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 727.9 / 37
p0 1.369 ± 0.002799
p1 3.564e-05 ± 1.997e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 2748 / 37
p0 81.62 ± 0.005039
p1 -3.01e-05 ± 2.161e-07
82.2
82
81.8
81.6
81.4
81.2
81
80.8
80.6
80.4
80.2
0
10000
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30000
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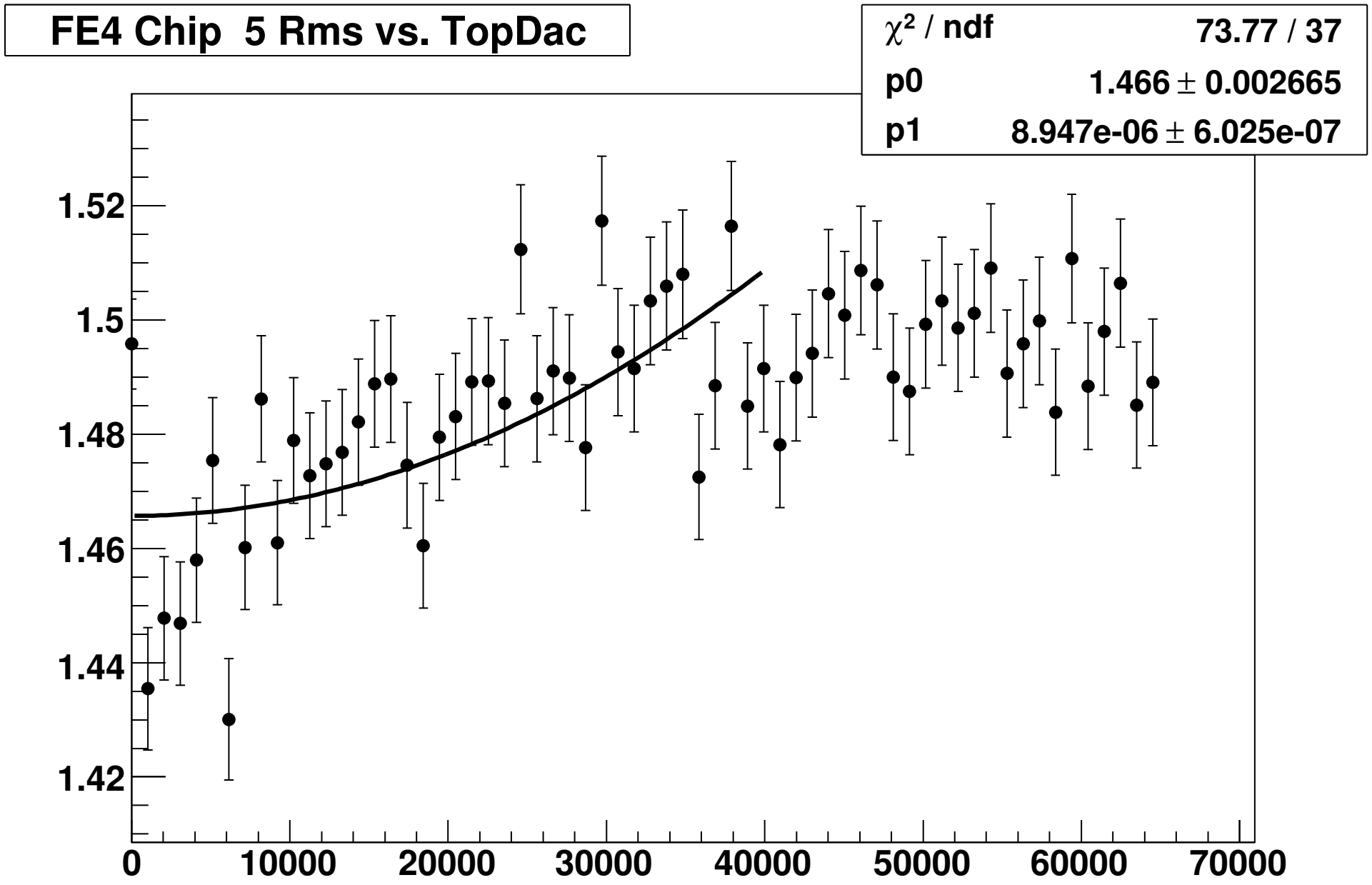
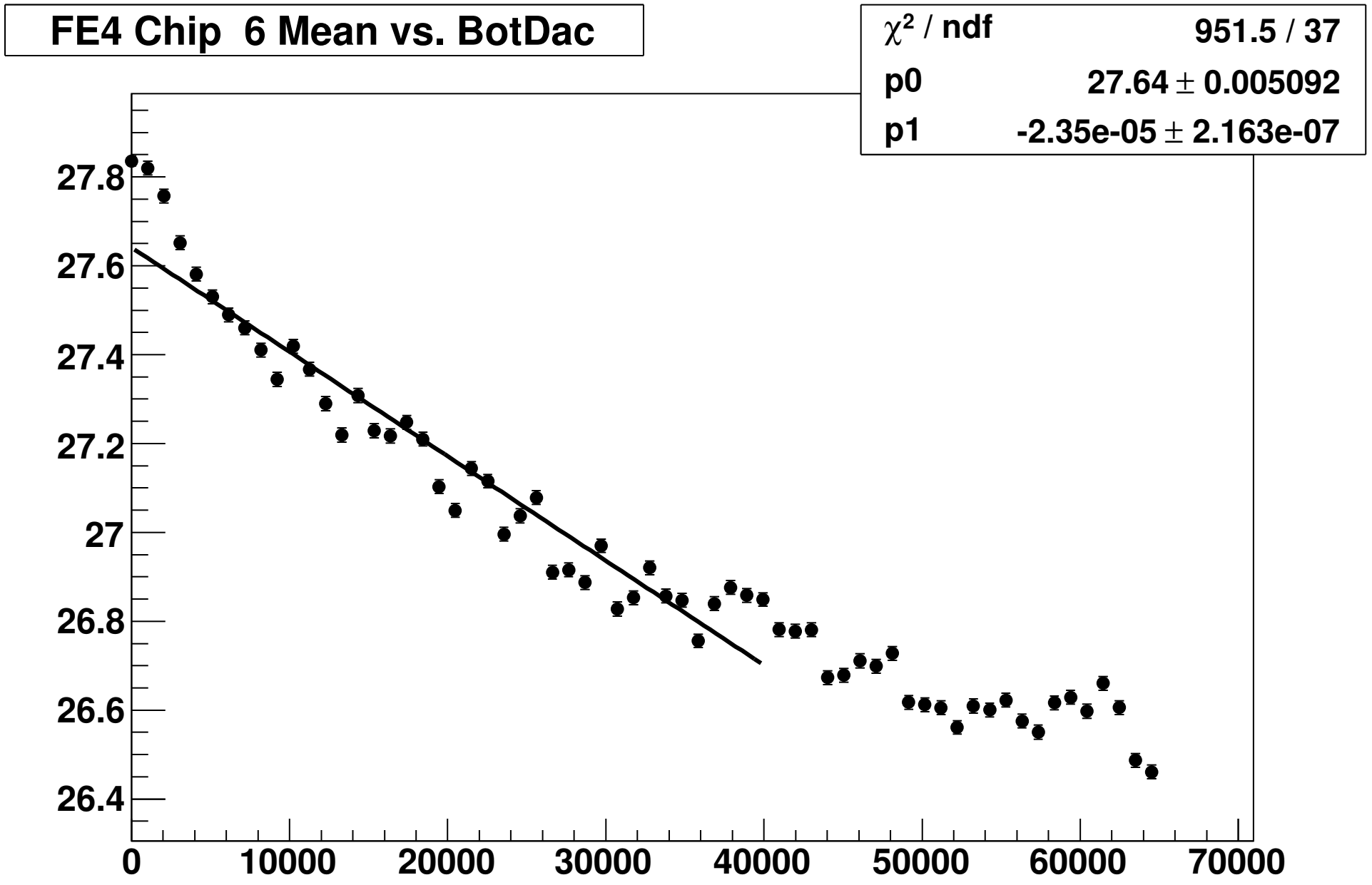
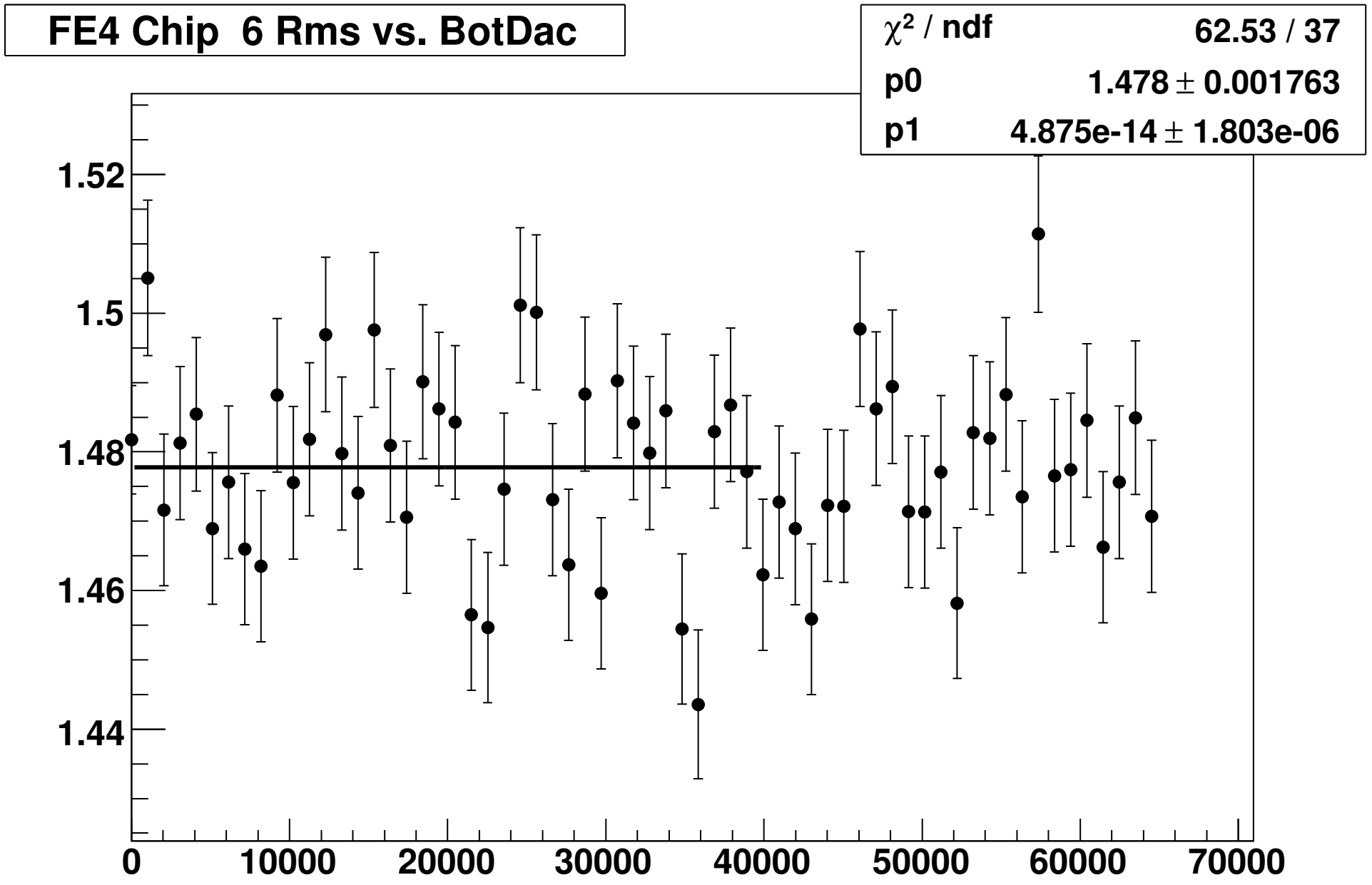

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 73.77 / 37
p0 1.466 ± 0.002665
p1 8.947e-06 ± 6.025e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 951.5 / 37
p0 27.64 ± 0.005092
p1 -2.35e-05 ± 2.163e-07
27.8
27.6
27.4
27.2
27
26.8
26.6
26.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 62.53 / 37
p0 1.478 ± 0.001763
p1 4.875e-14 ± 1.803e-06
1.52
1.5
1.48
1.46
1.44
0
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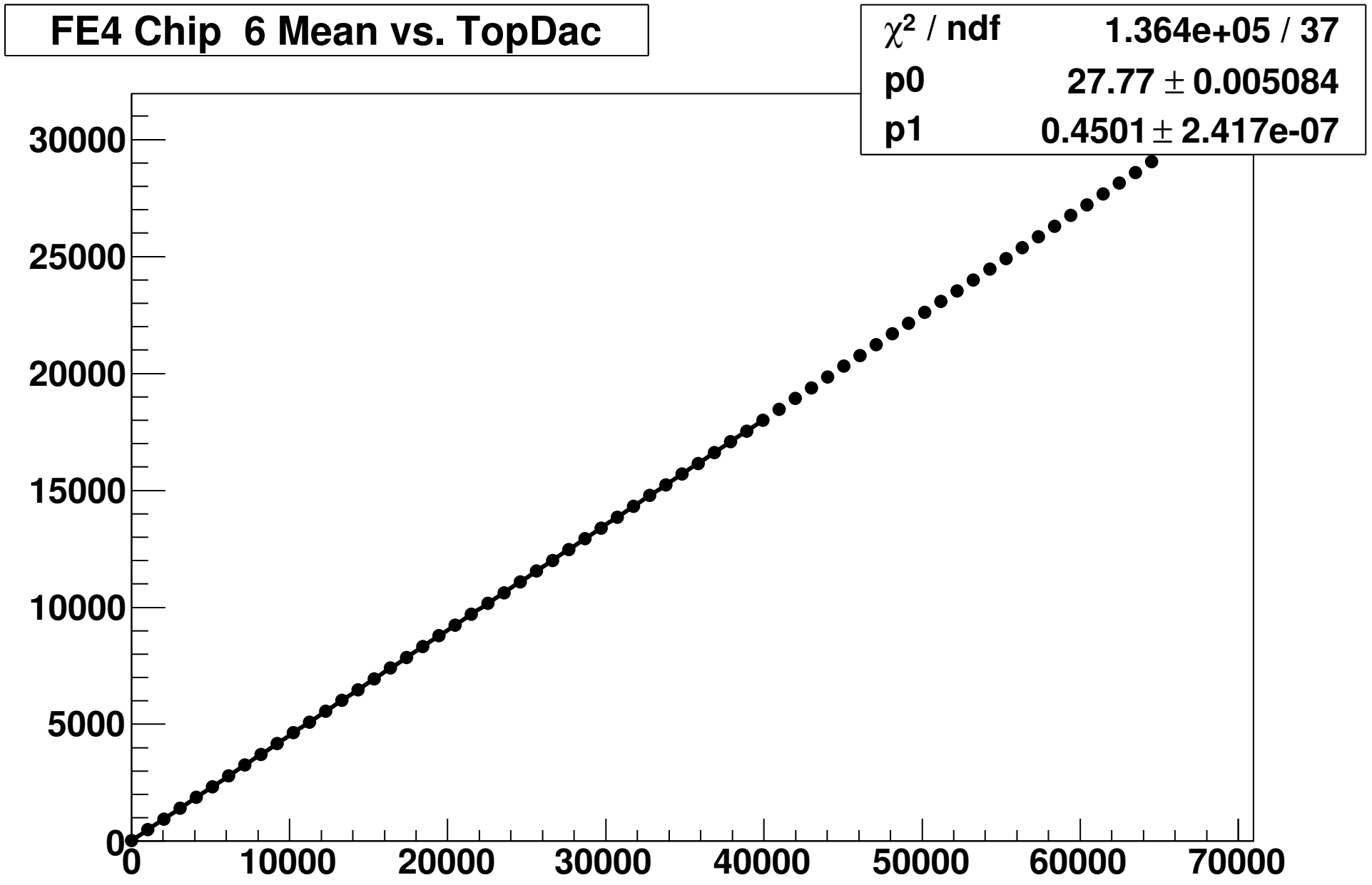
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.364e+05 / 37
p0 27.77 ± 0.005084
p1 0.4501 ± 2.417e-07
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5000
0
0
10000
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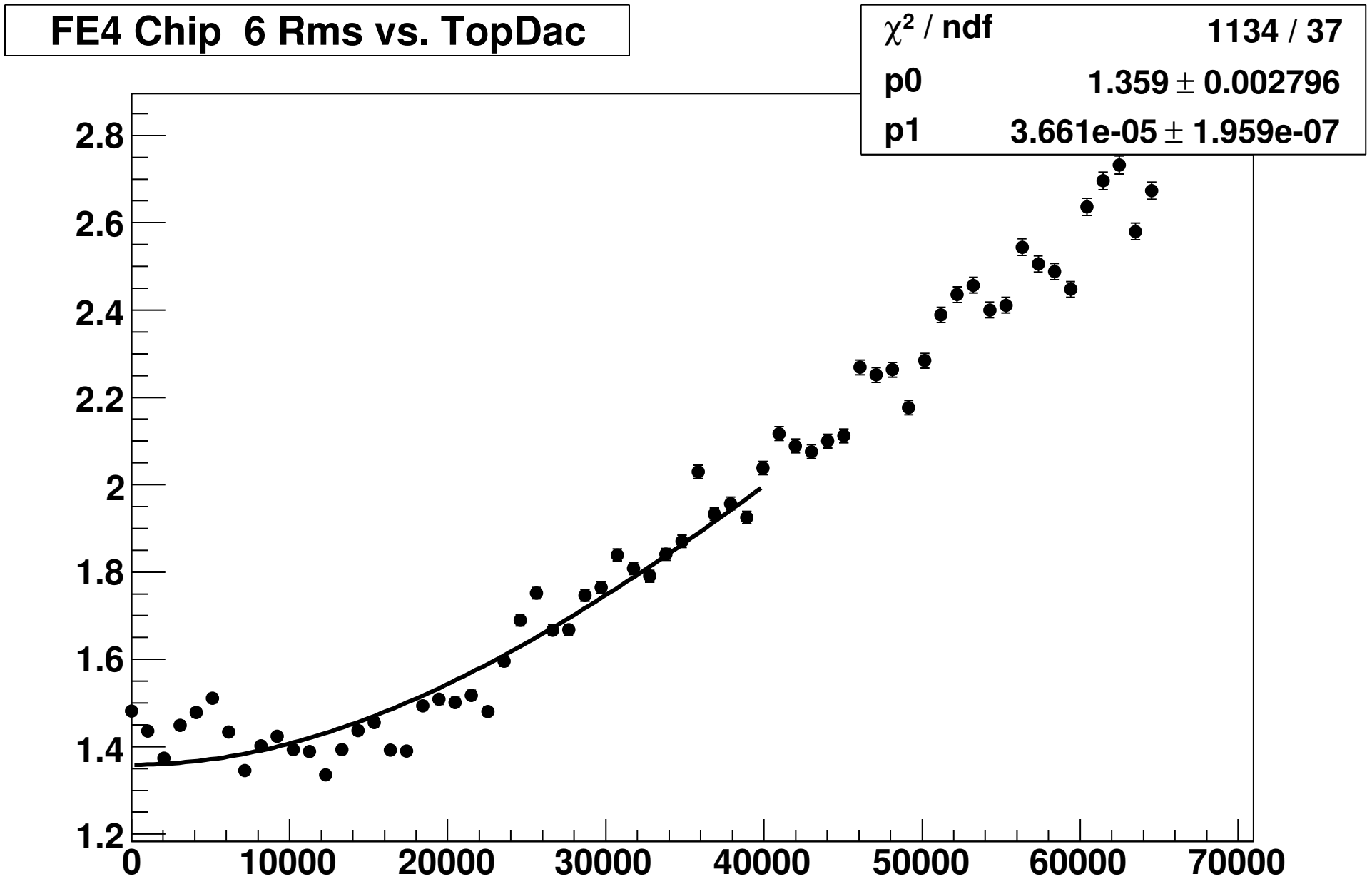
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1134 / 37
p0 1.359 ± 0.002796
p1 3.661e-05 ± 1.959e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
1.2
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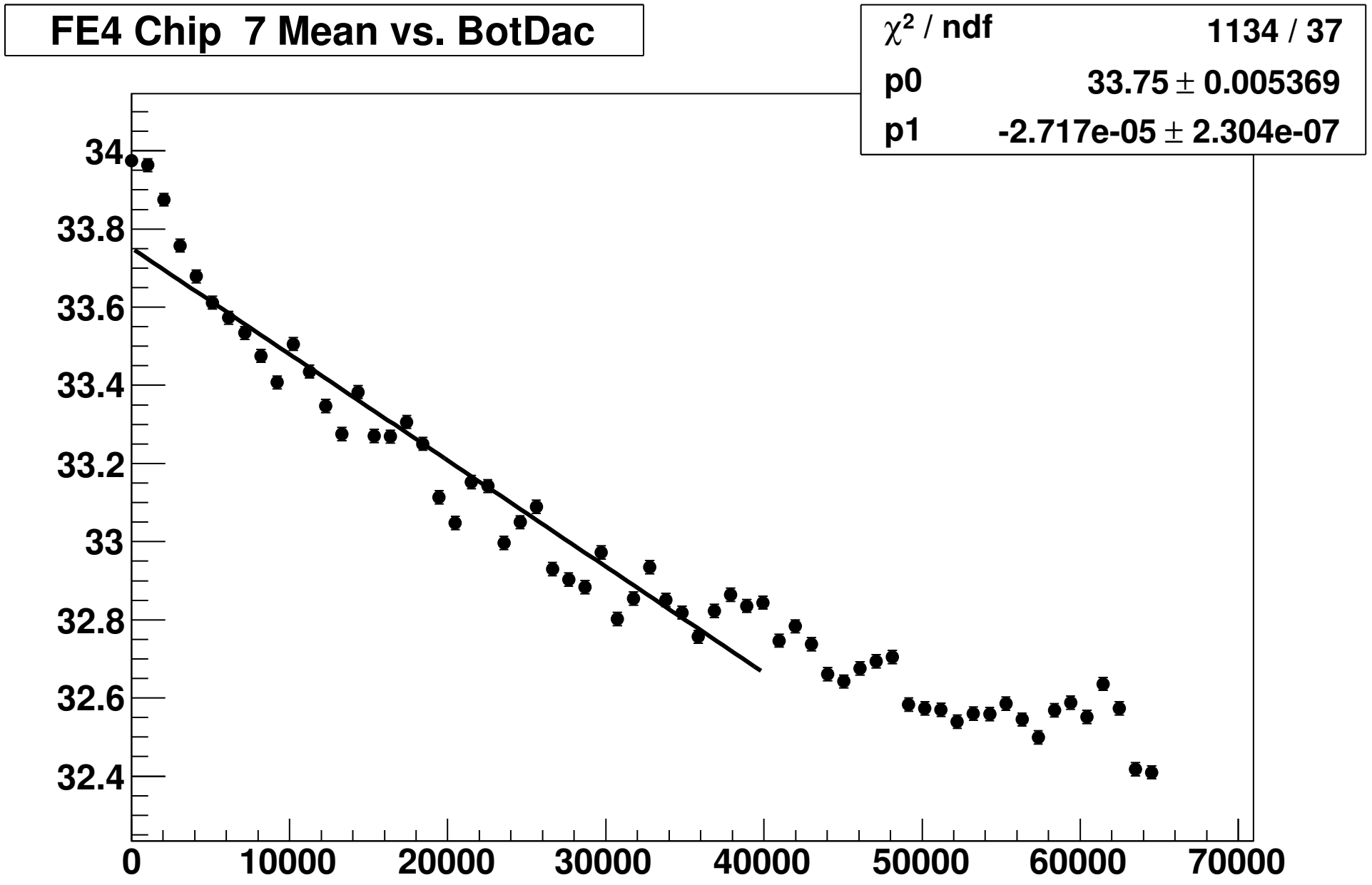
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 1134 / 37
p0 33.75 ± 0.005369
p1 -2.717e-05 ± 2.304e-07
34
33.8
33.6
33.4
33.2
33
32.8
32.6
32.4
0
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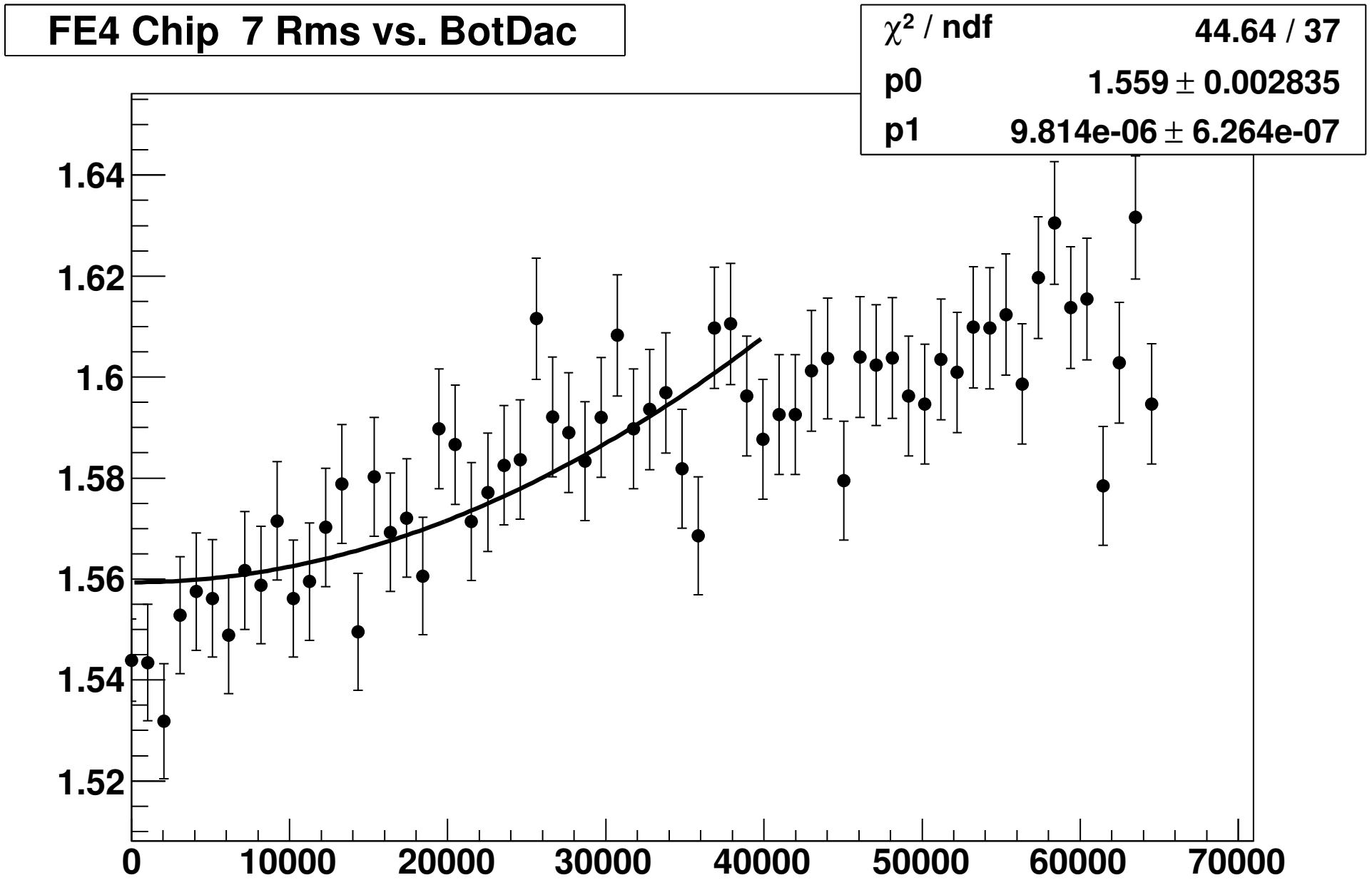
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 44.64 / 37
p0 1.559 ± 0.002835
p1 9.814e-06 ± 6.264e-07
1.64
1.62
1.6
1.58
1.56
1.54
1.52
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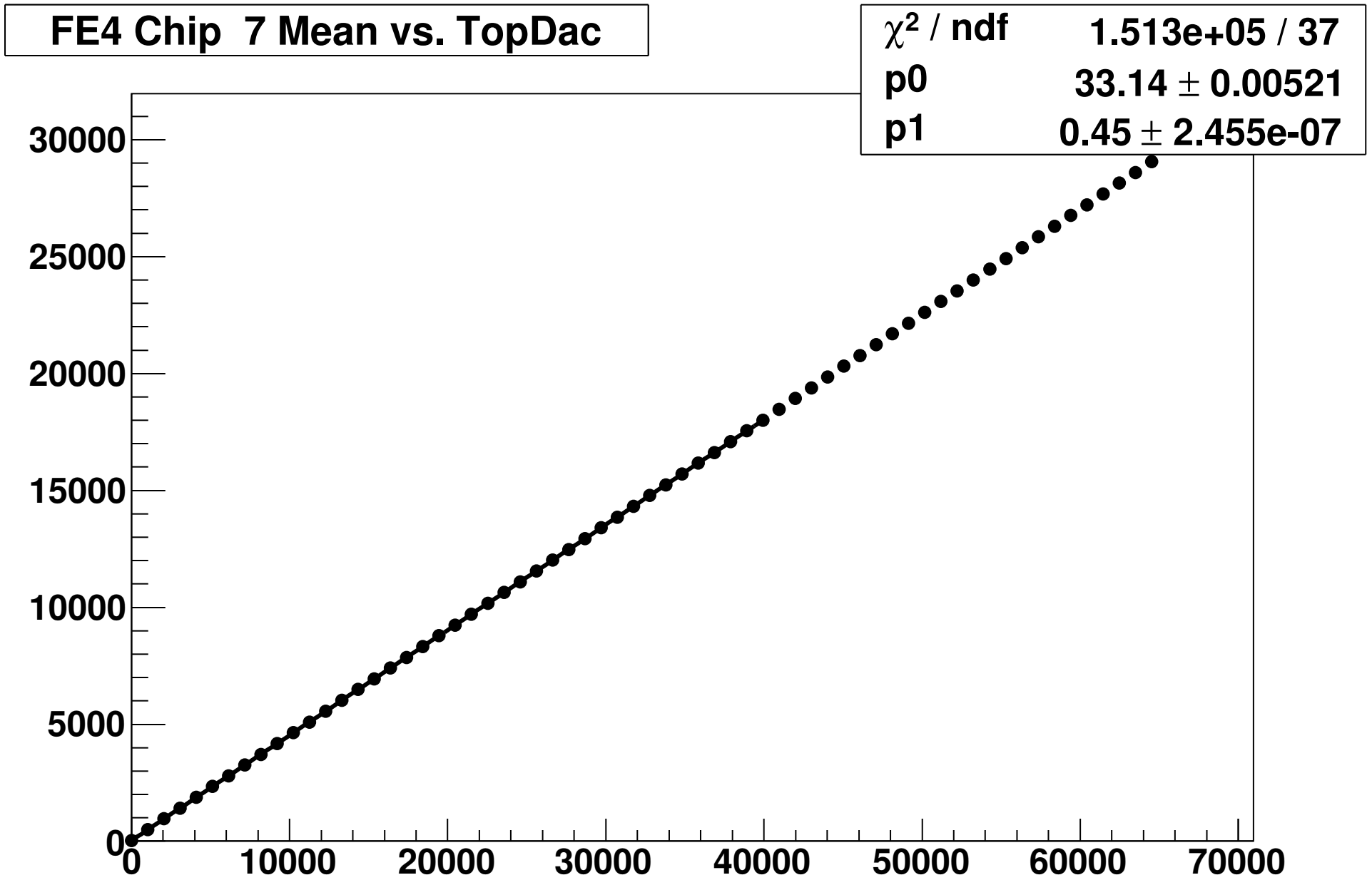
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.513e+05 / 37
p0 33.14 ± 0.00521
p1 0.45 ± 2.455e-07
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15000
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5000
0
0
10000
20000
30000
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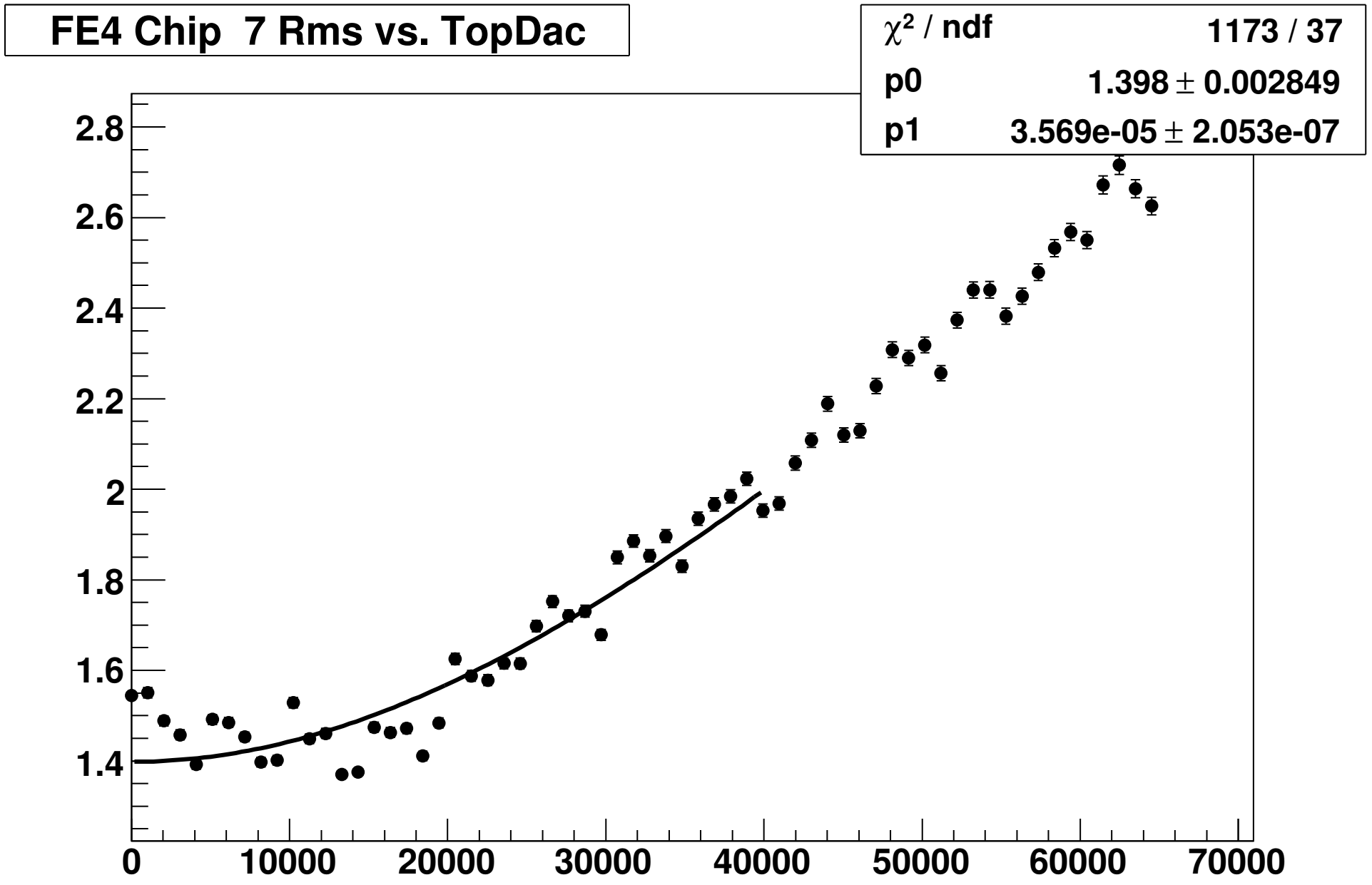
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1173 / 37
p0 1.398 ± 0.002849
p1 3.569e-05 ± 2.053e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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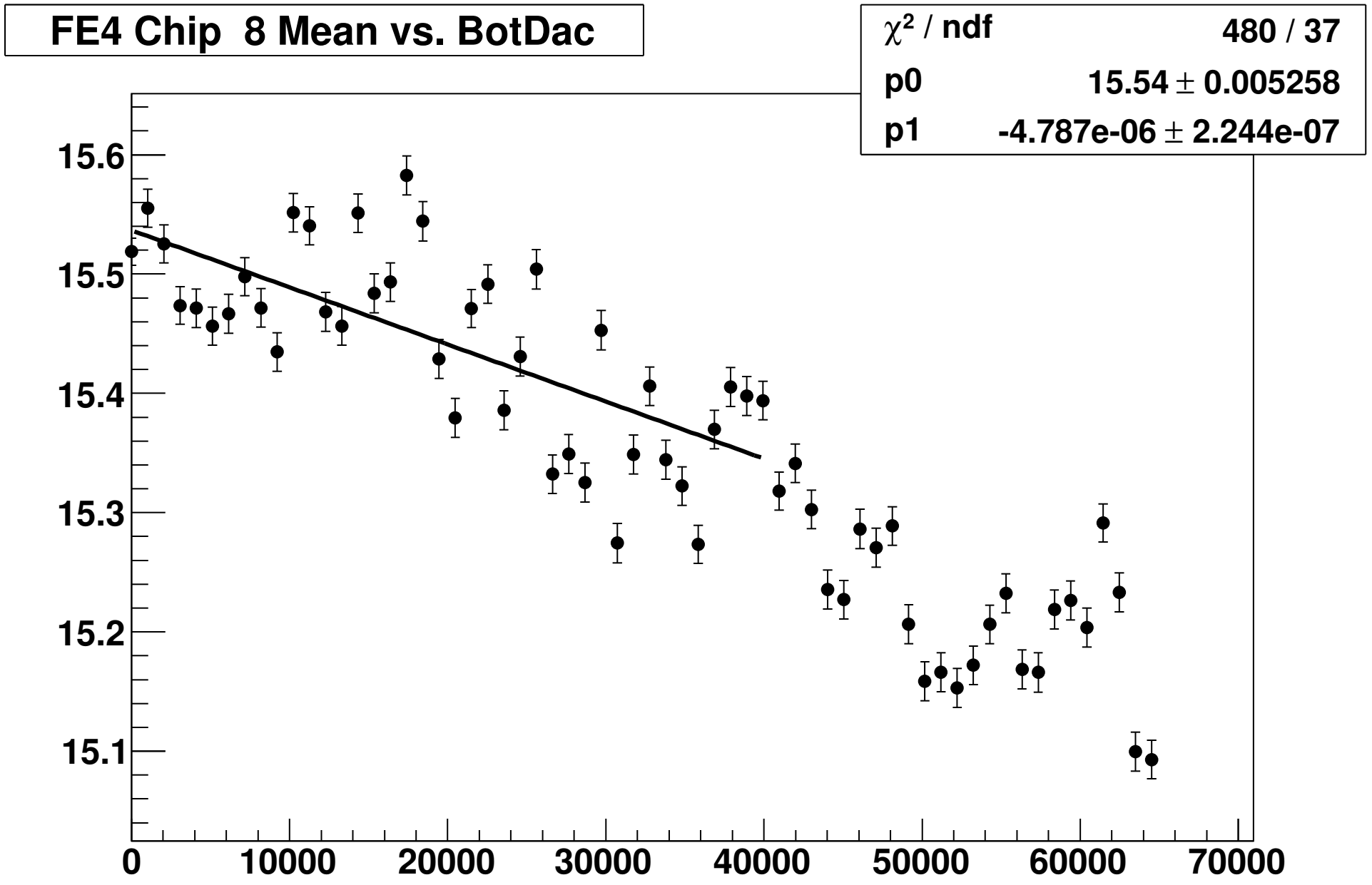
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 480 / 37
p0 15.54 ± 0.005258
p1 -4.787e-06 ± 2.244e-07
15.6
15.5
15.4
15.3
15.2
15.1
0
10000
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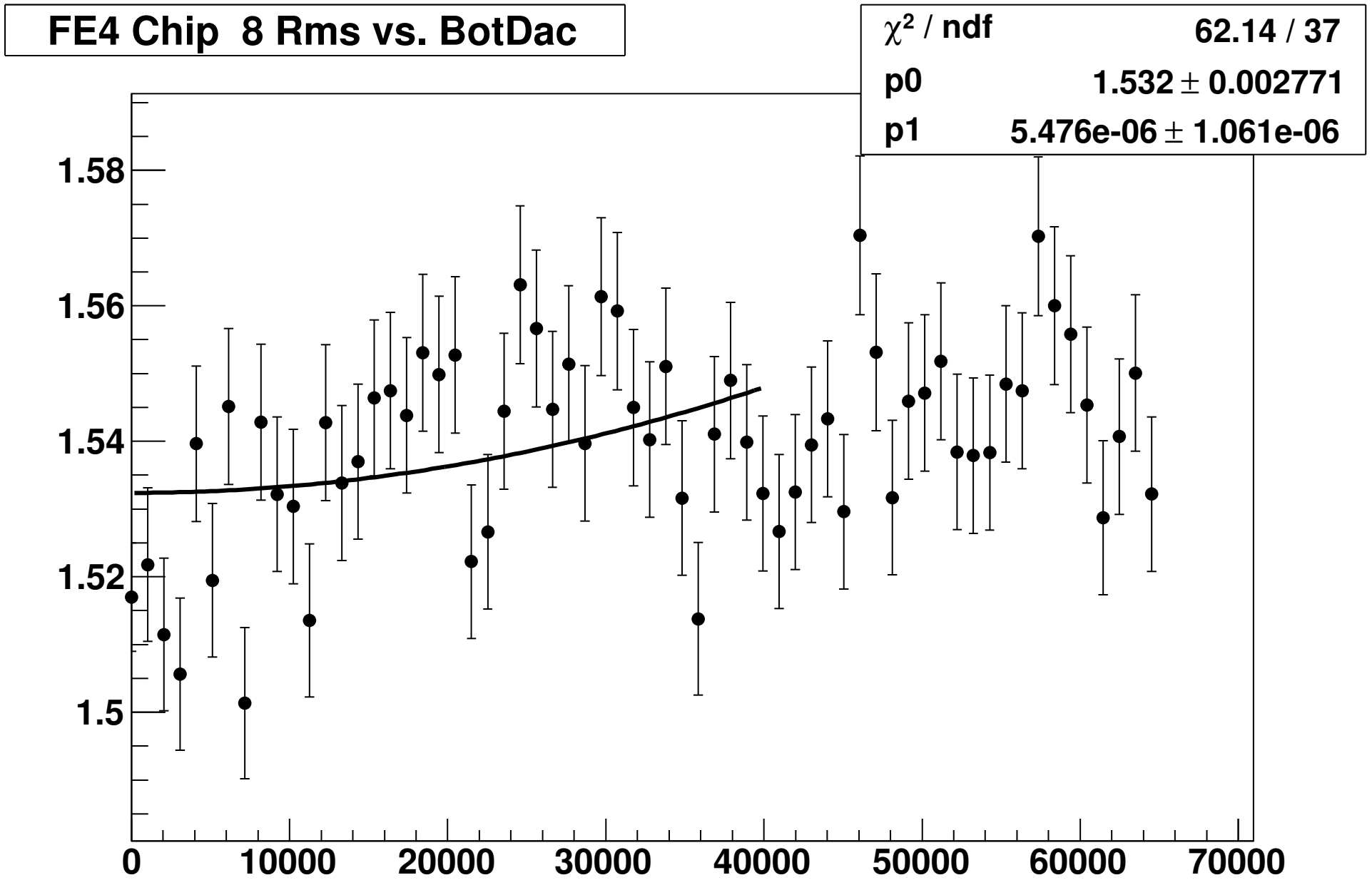
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 62.14 / 37
p0 1.532 ± 0.002771
p1 5.476e-06 ± 1.061e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
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50000
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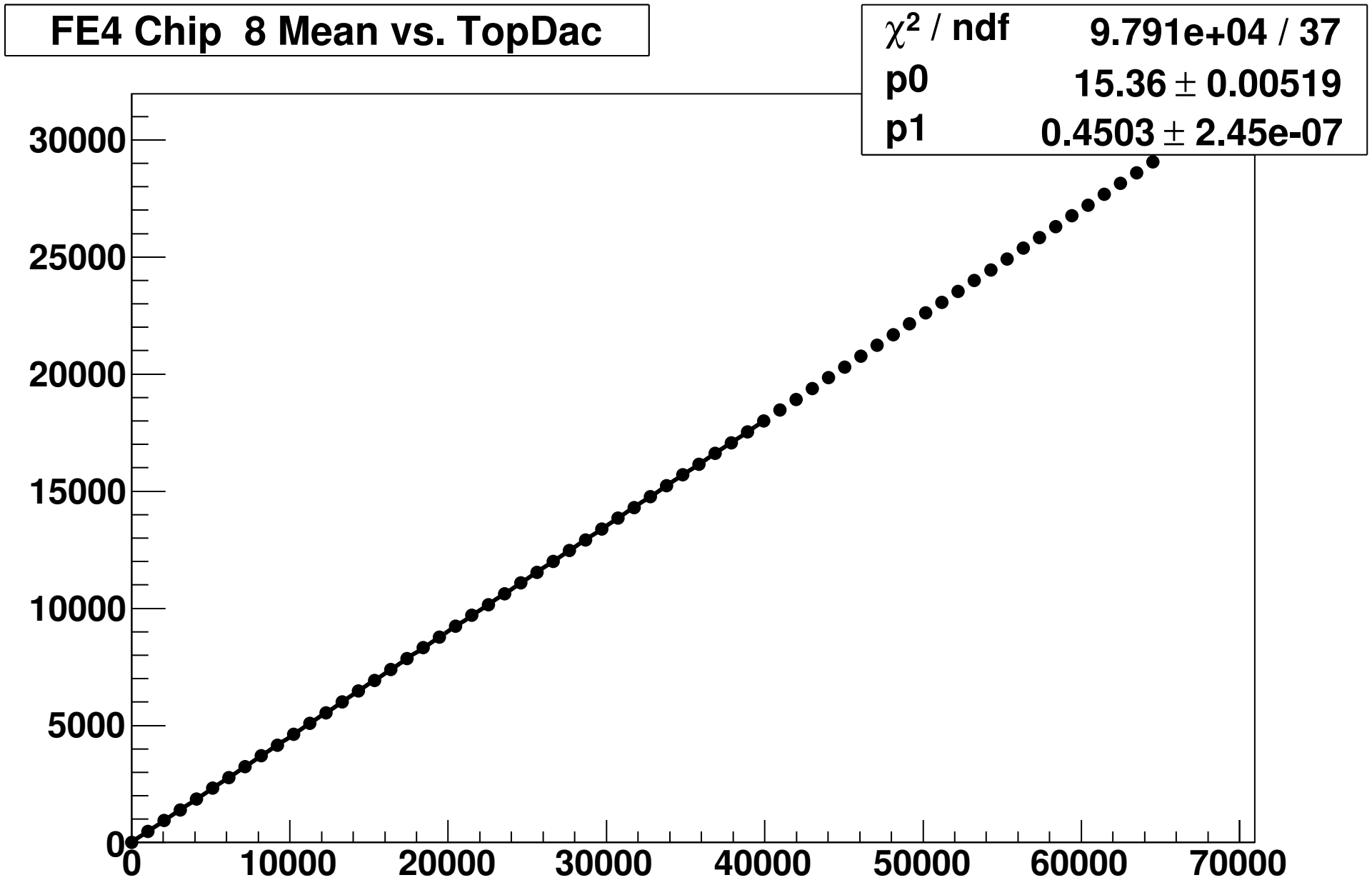
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 9.791e+04 / 37
p0 15.36 ± 0.00519
p1 0.4503 ± 2.45e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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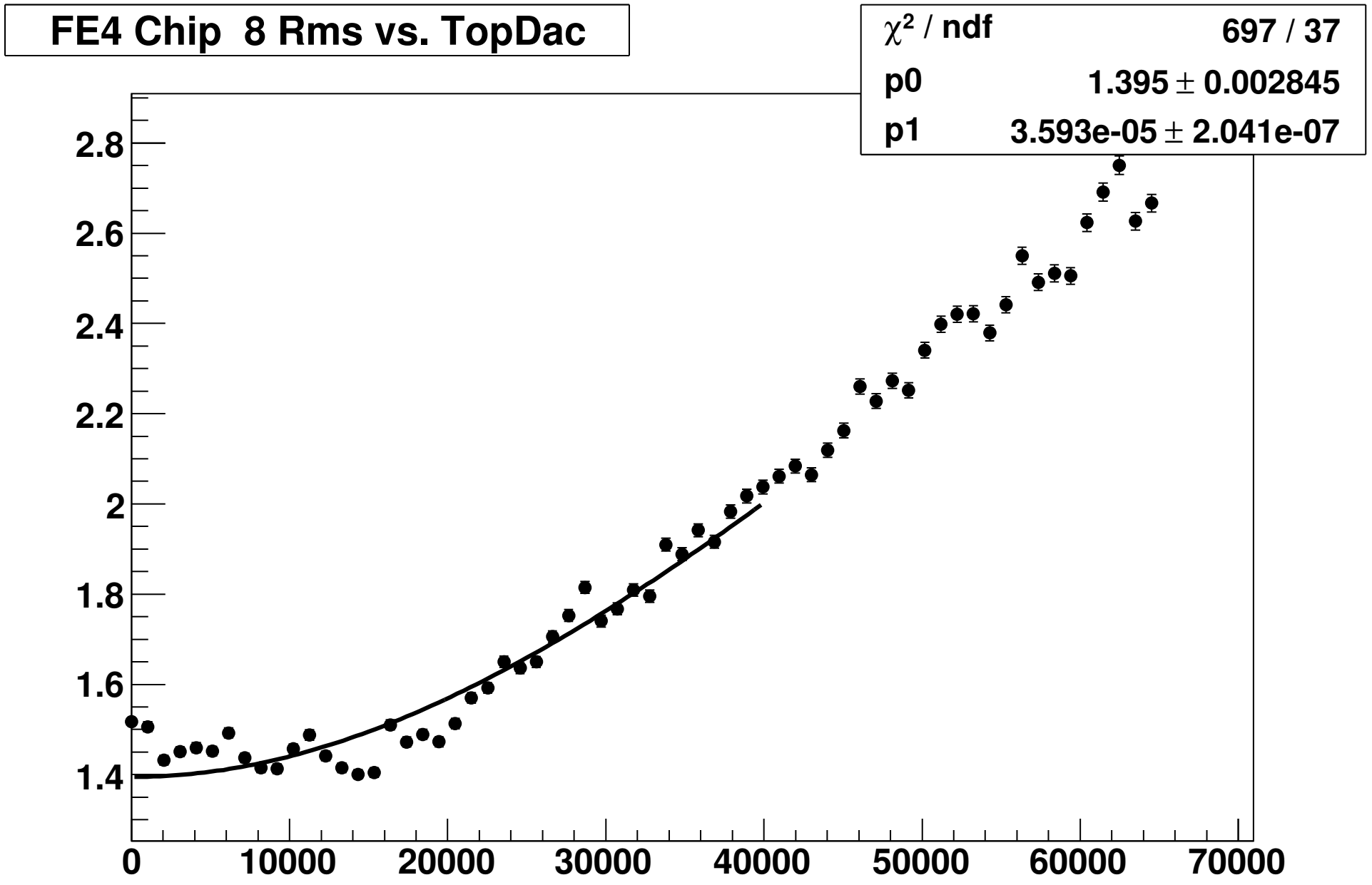
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 697 / 37
p0 1.395 ± 0.002845
p1 3.593e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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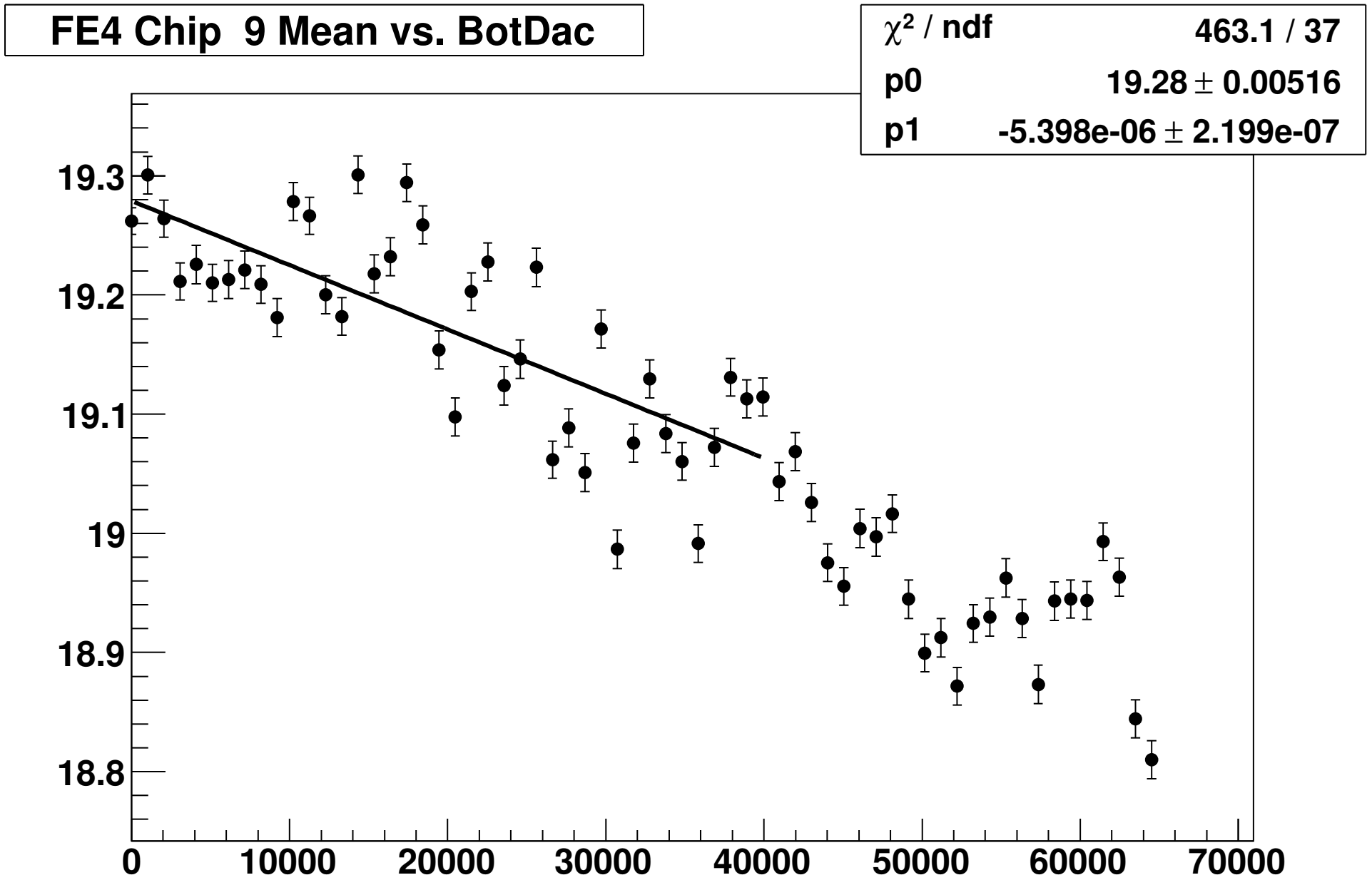
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 463.1 / 37
p0 19.28 ± 0.00516
p1 -5.398e-06 ± 2.199e-07
19.3
19.2
19.1
19
18.9
18.8
0
10000
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30000
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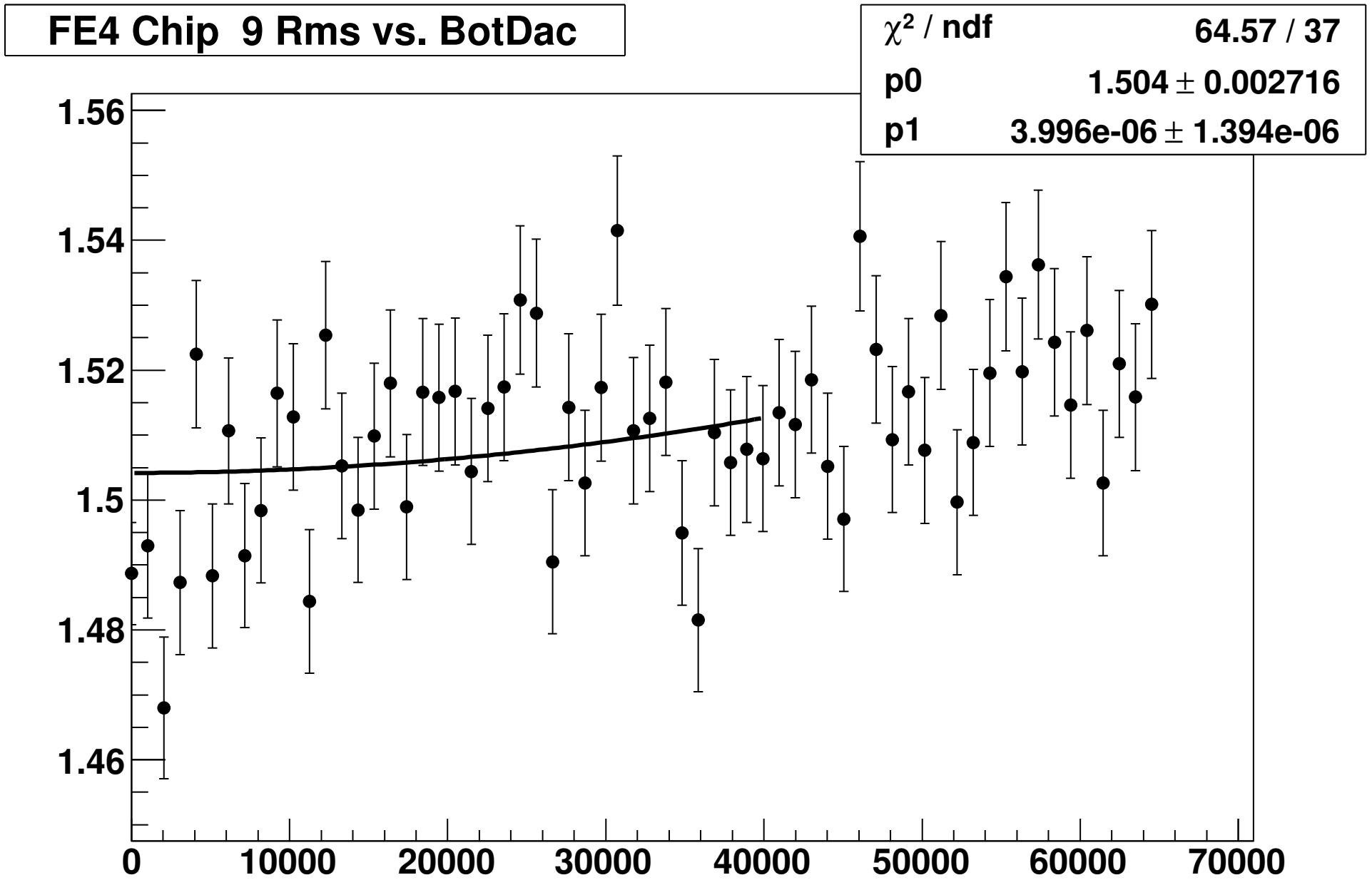
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 64.57 / 37
p0 1.504 ± 0.002716
p1 3.996e-06 ± 1.394e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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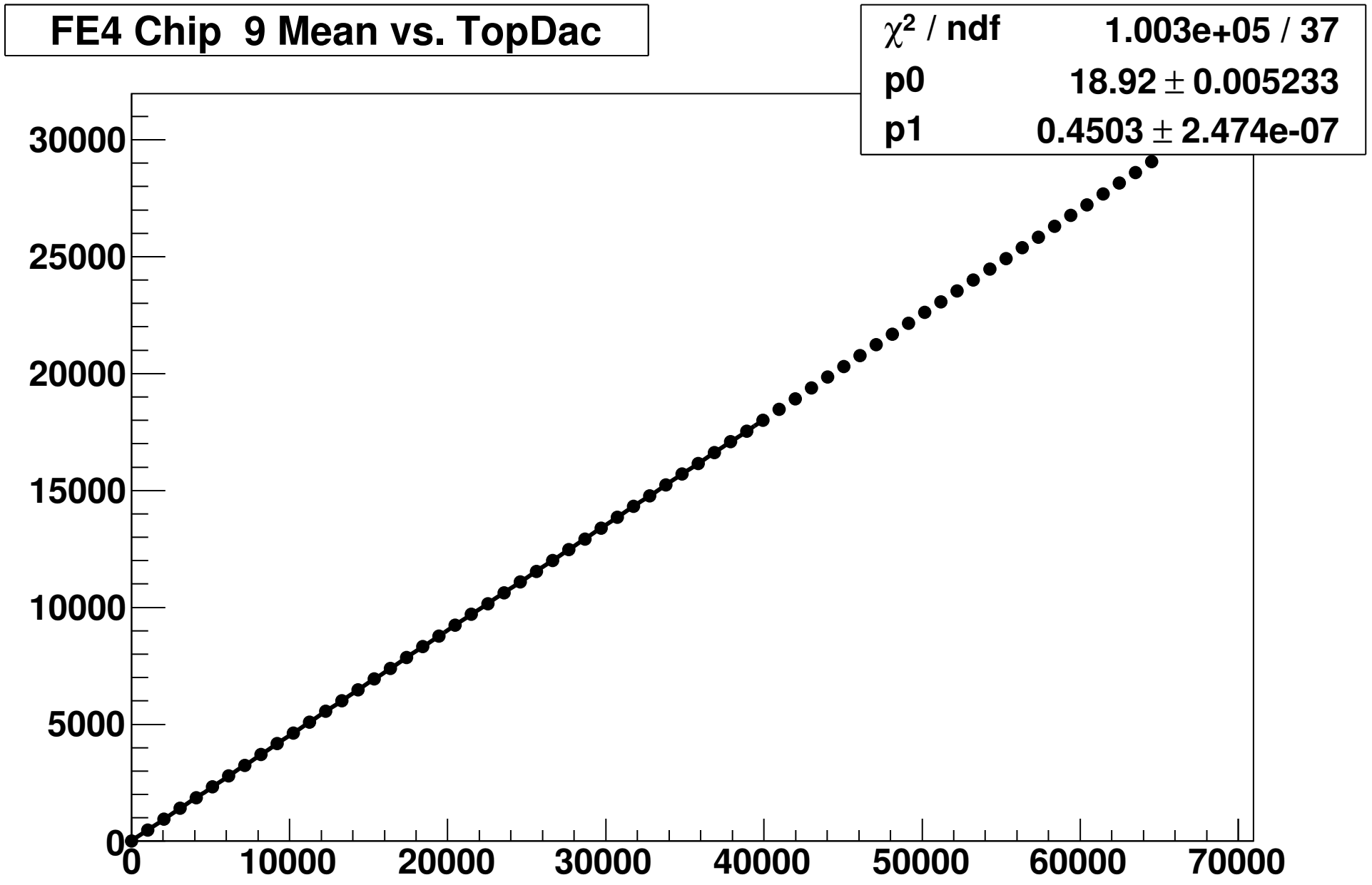
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 1.003e+05 / 37
p0 18.92 ± 0.005233
p1 0.4503 ± 2.474e-07
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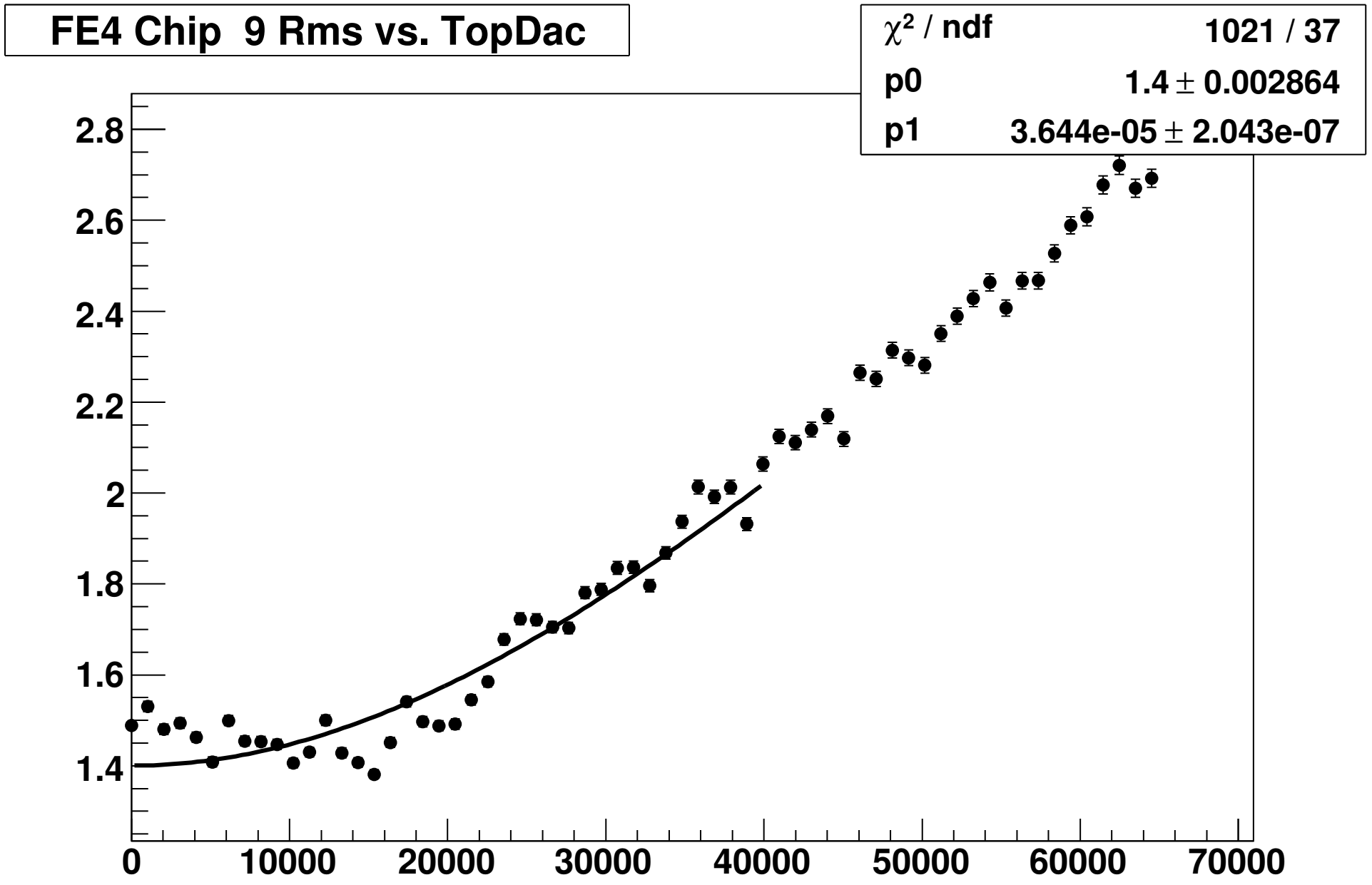
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1021 / 37
p0 1.4 ± 0.002864
p1 3.644e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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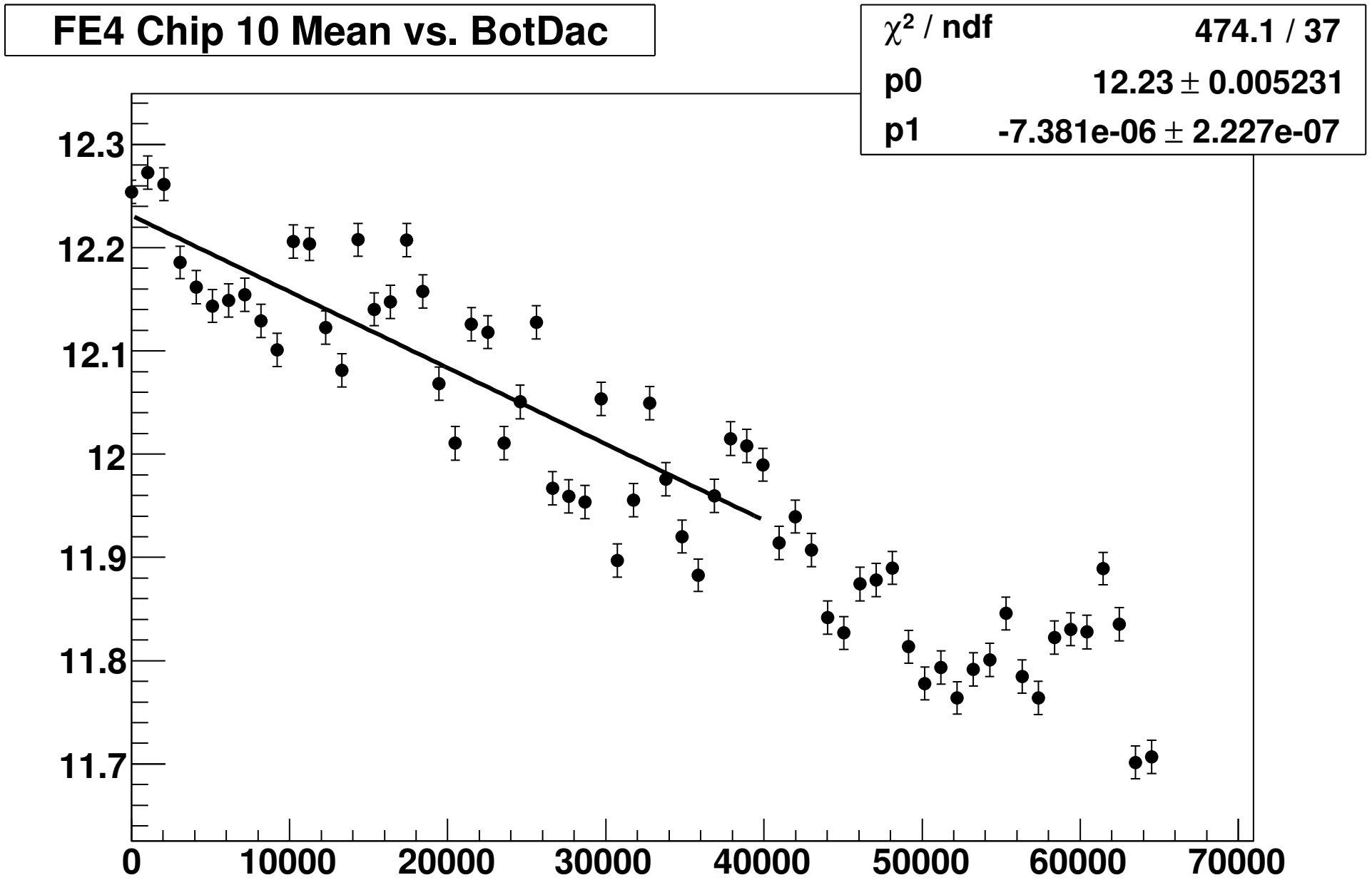
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 474.1 / 37
p0 12.23 ± 0.005231
p1 -7.381e-06 ± 2.227e-07
12.3
12.2
12.1
12
11.9
11.8
11.7
0
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50000
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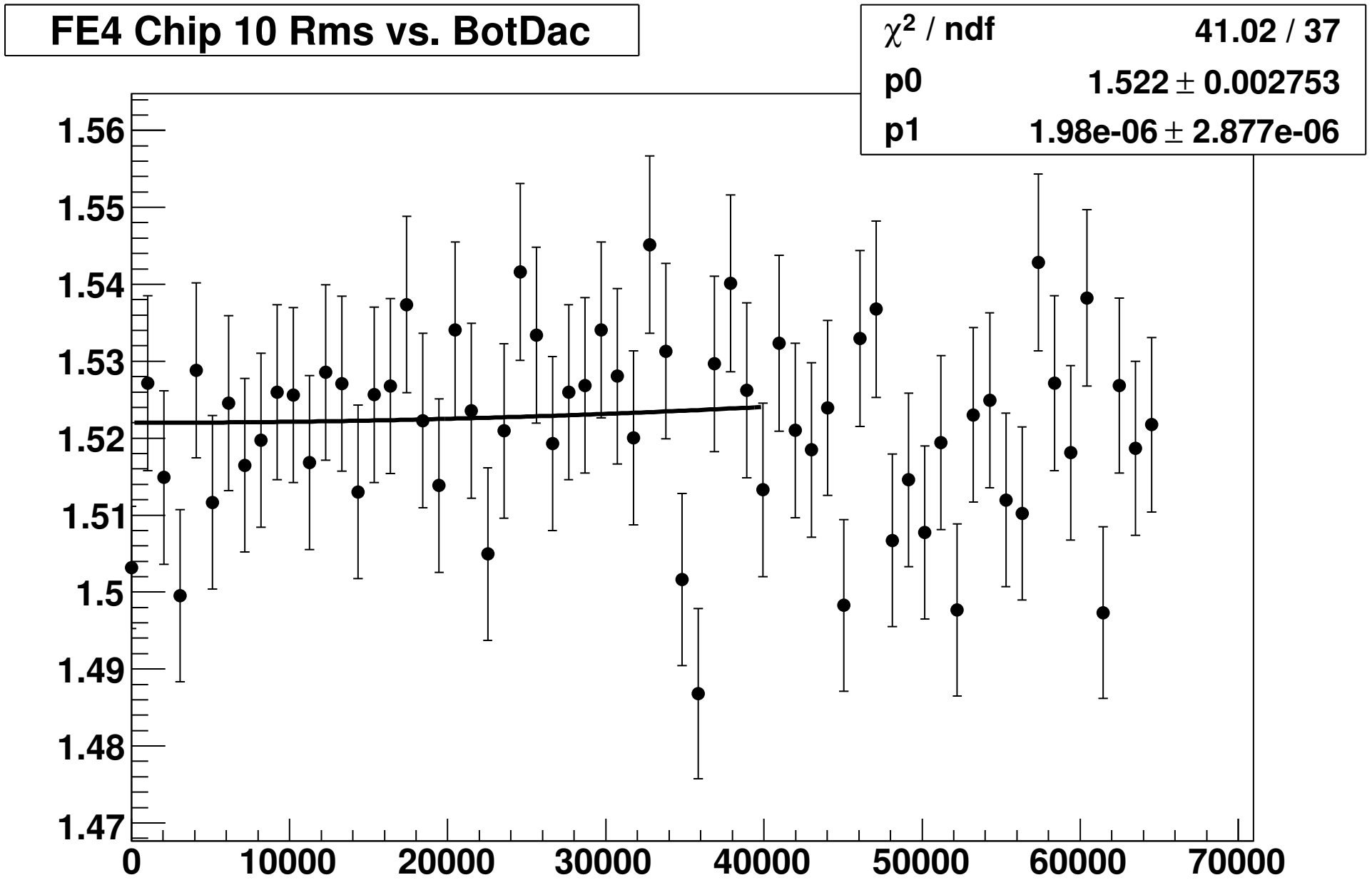
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 41.02 / 37
p0 1.522 ± 0.002753
p1 1.98e-06 ± 2.877e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
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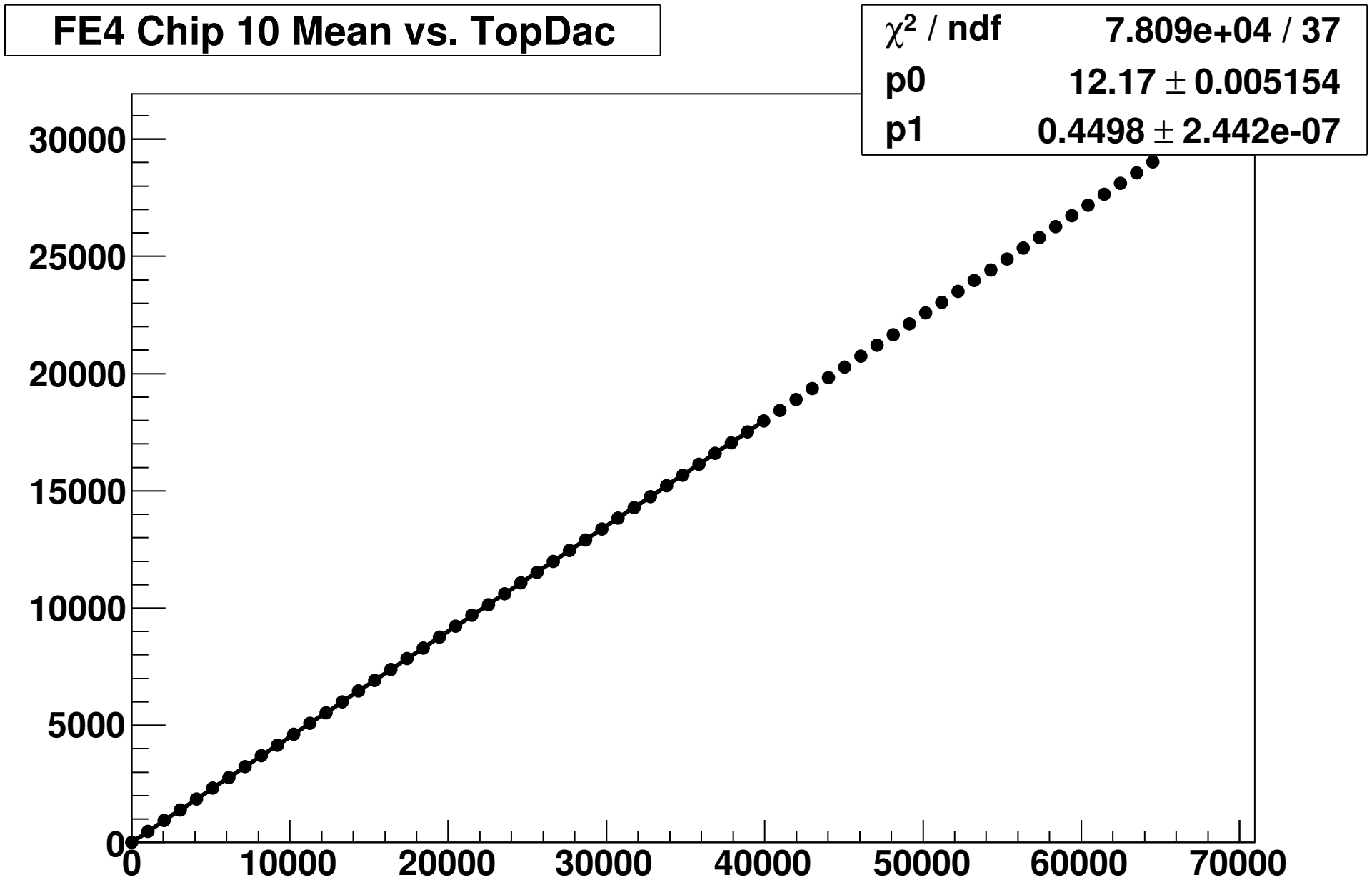
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 7.809e+04 / 37
p0 12.17 ± 0.005154
p1 0.4498 ± 2.442e-07
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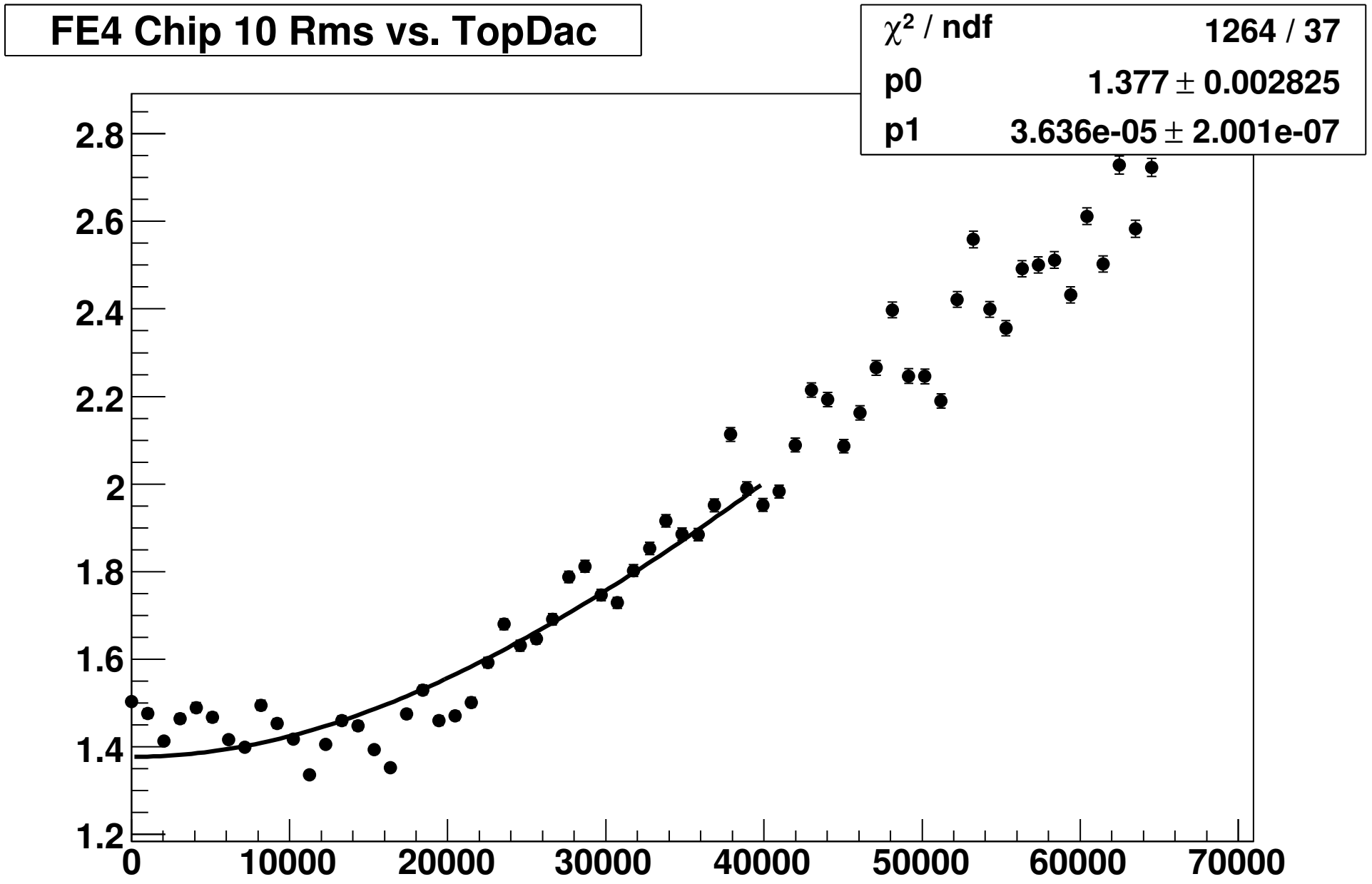
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1264 / 37
p0 1.377 ± 0.002825
p1 3.636e-05 ± 2.001e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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50000
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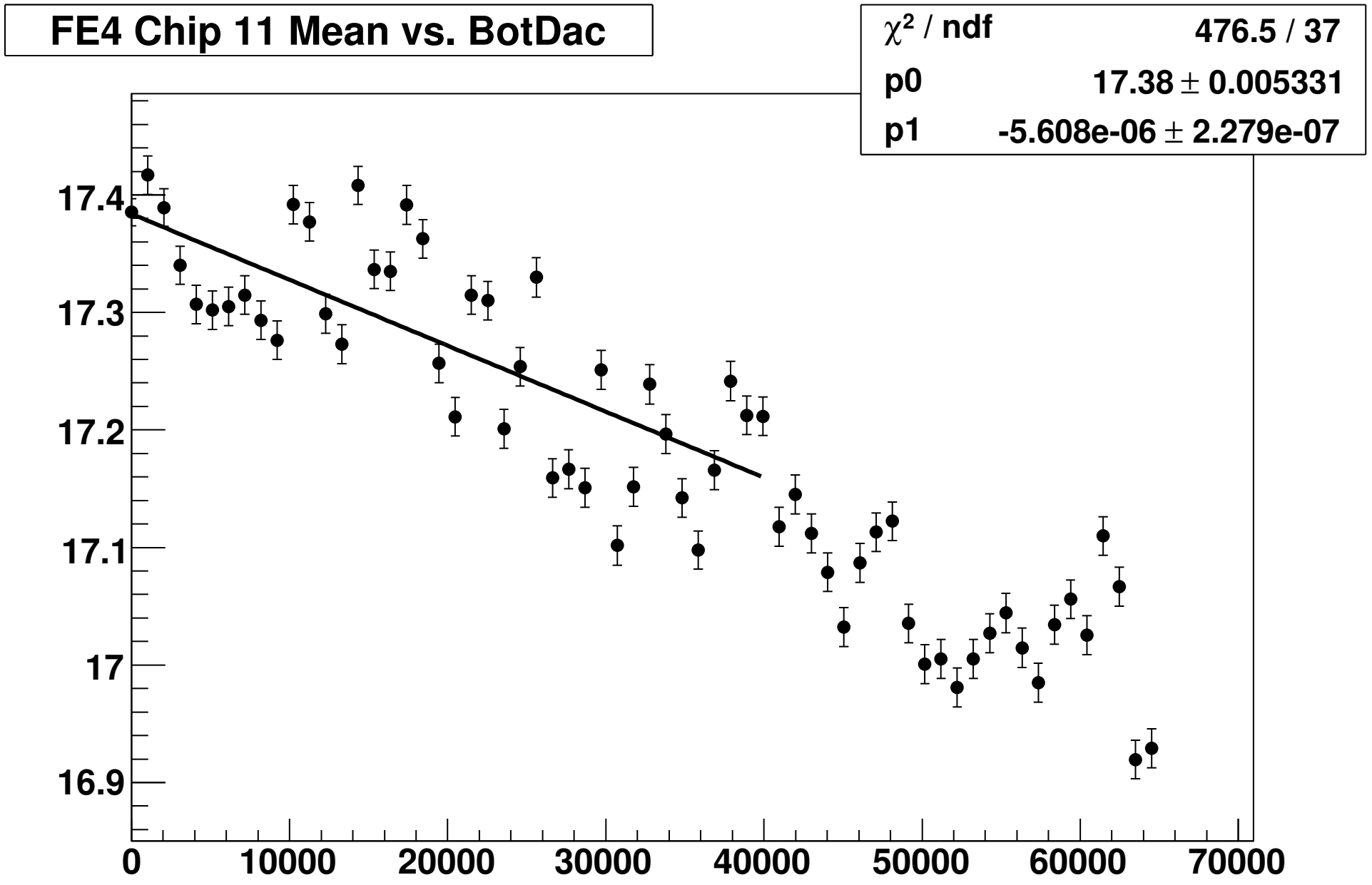
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 476.5 / 37
p0 17.38 ± 0.005331
p1 -5.608e-06 ± 2.279e-07
17.4
17.3
17.2
17.1
17
16.9
0
10000
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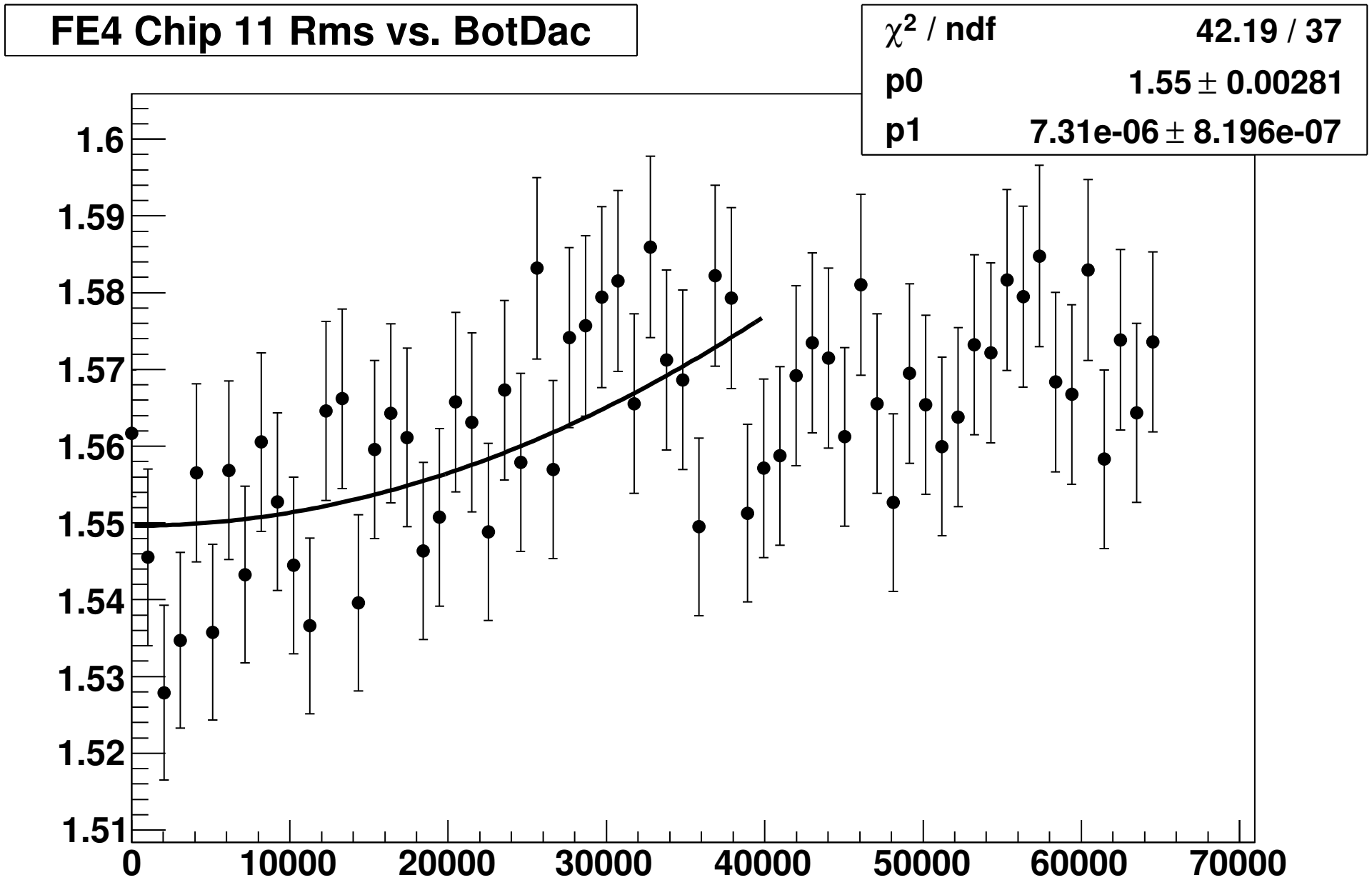
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 42.19 / 37
p0 1.55 ± 0.00281
p1 7.31e-06 ± 8.196e-07
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
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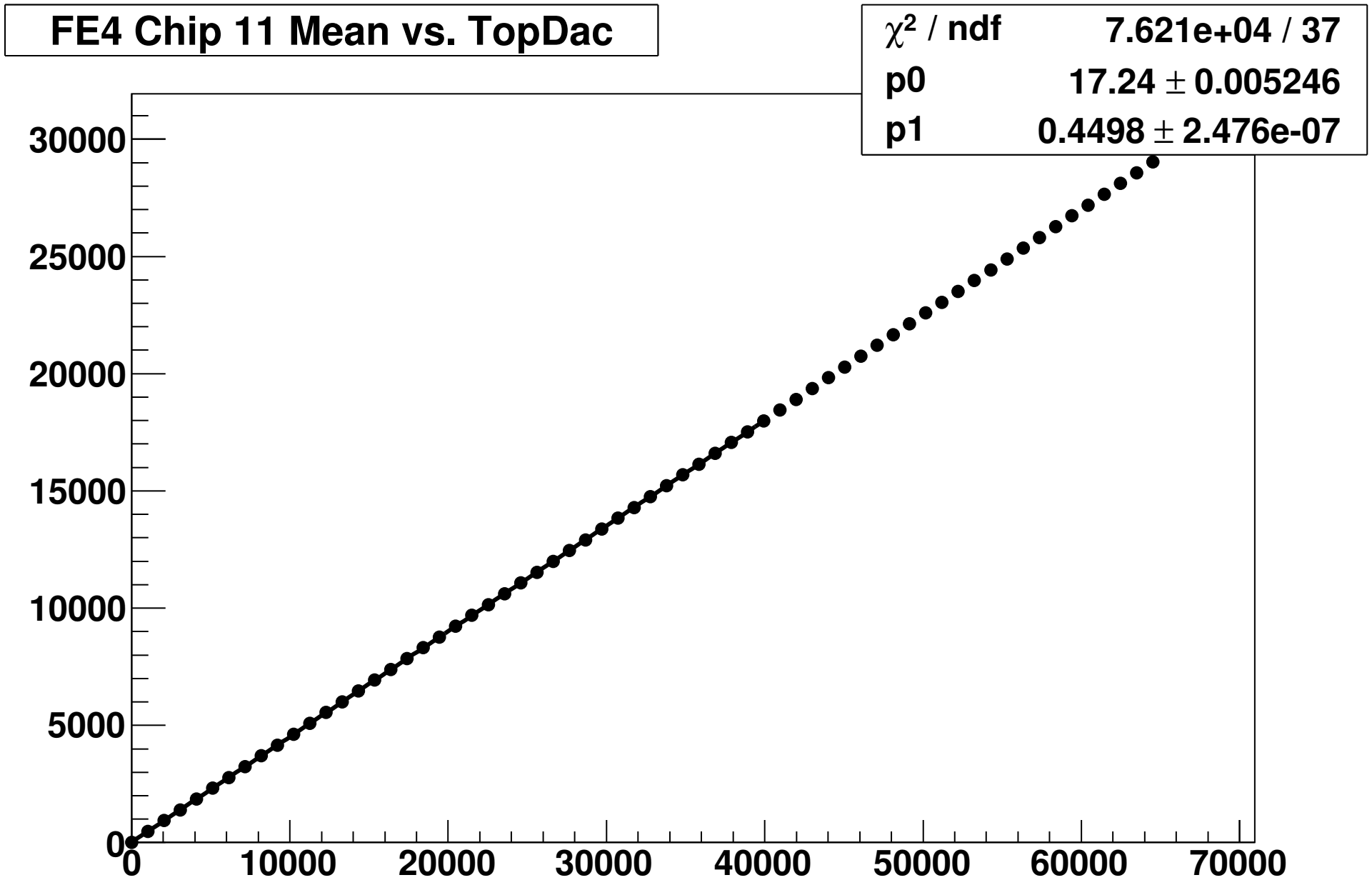
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 7.621e+04 / 37
p0 17.24 ± 0.005246
p1 0.4498 ± 2.476e-07
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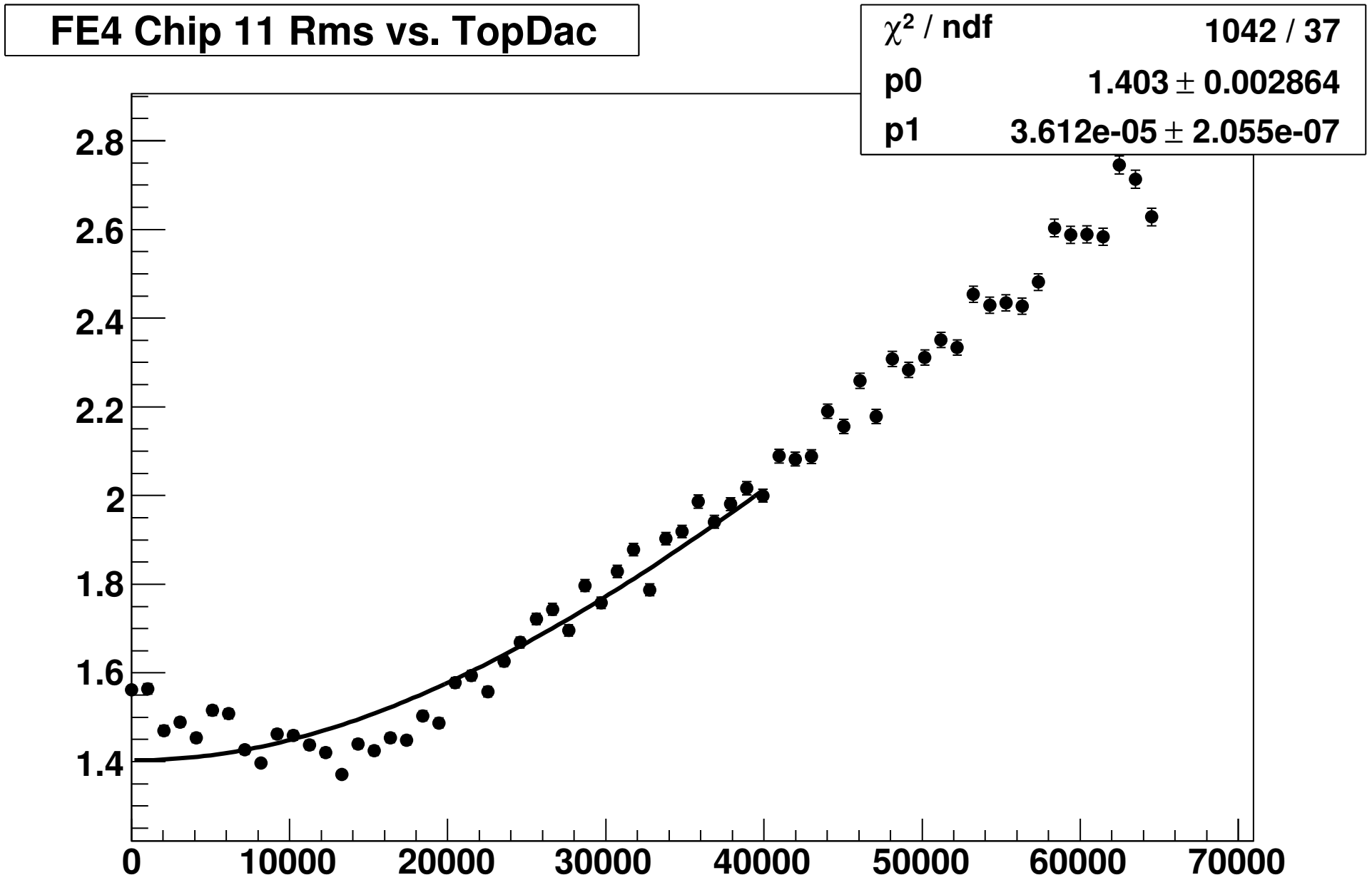
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1042 / 37
p0 1.403 ± 0.002864
p1 3.612e-05 ± 2.055e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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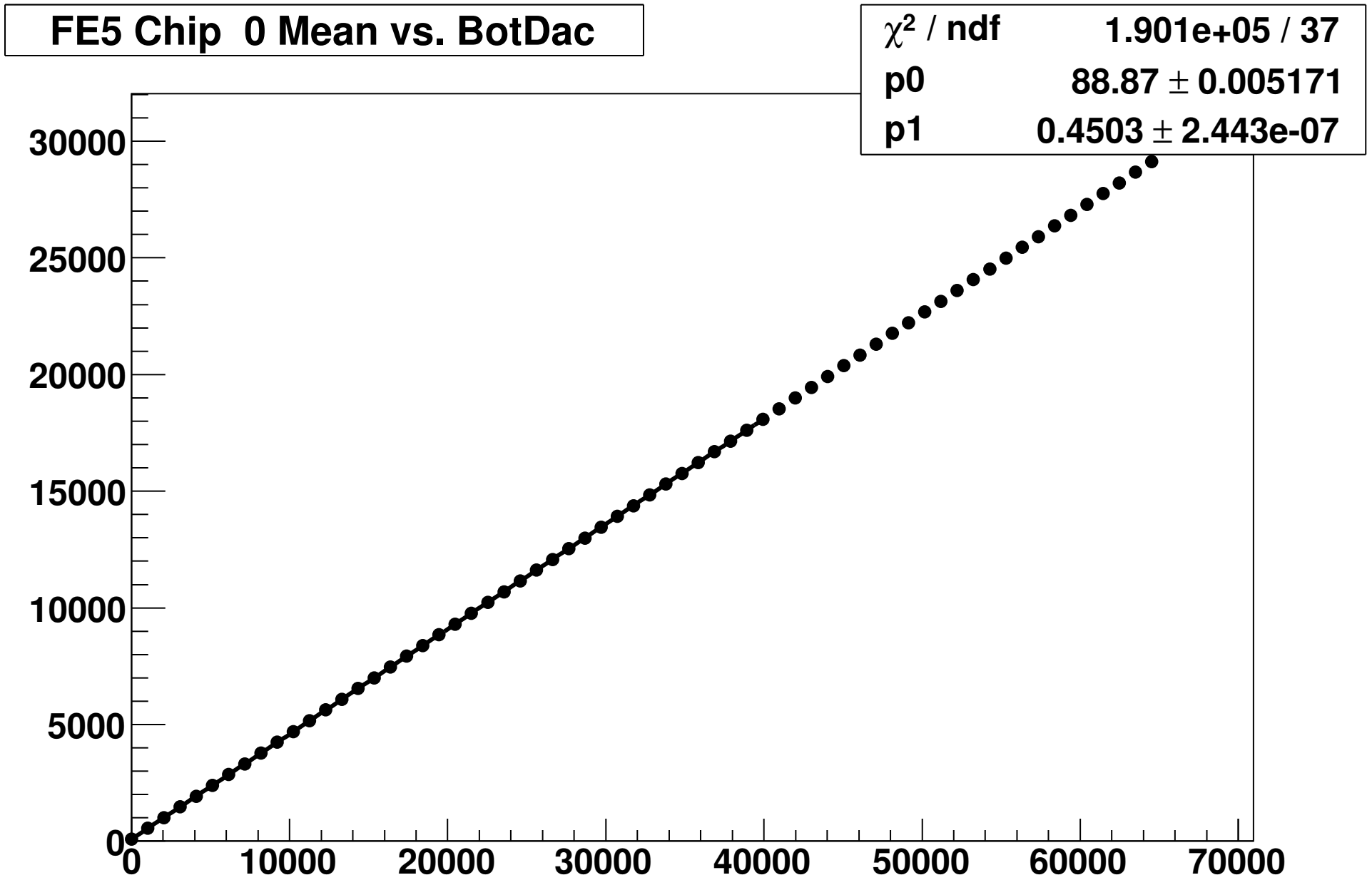
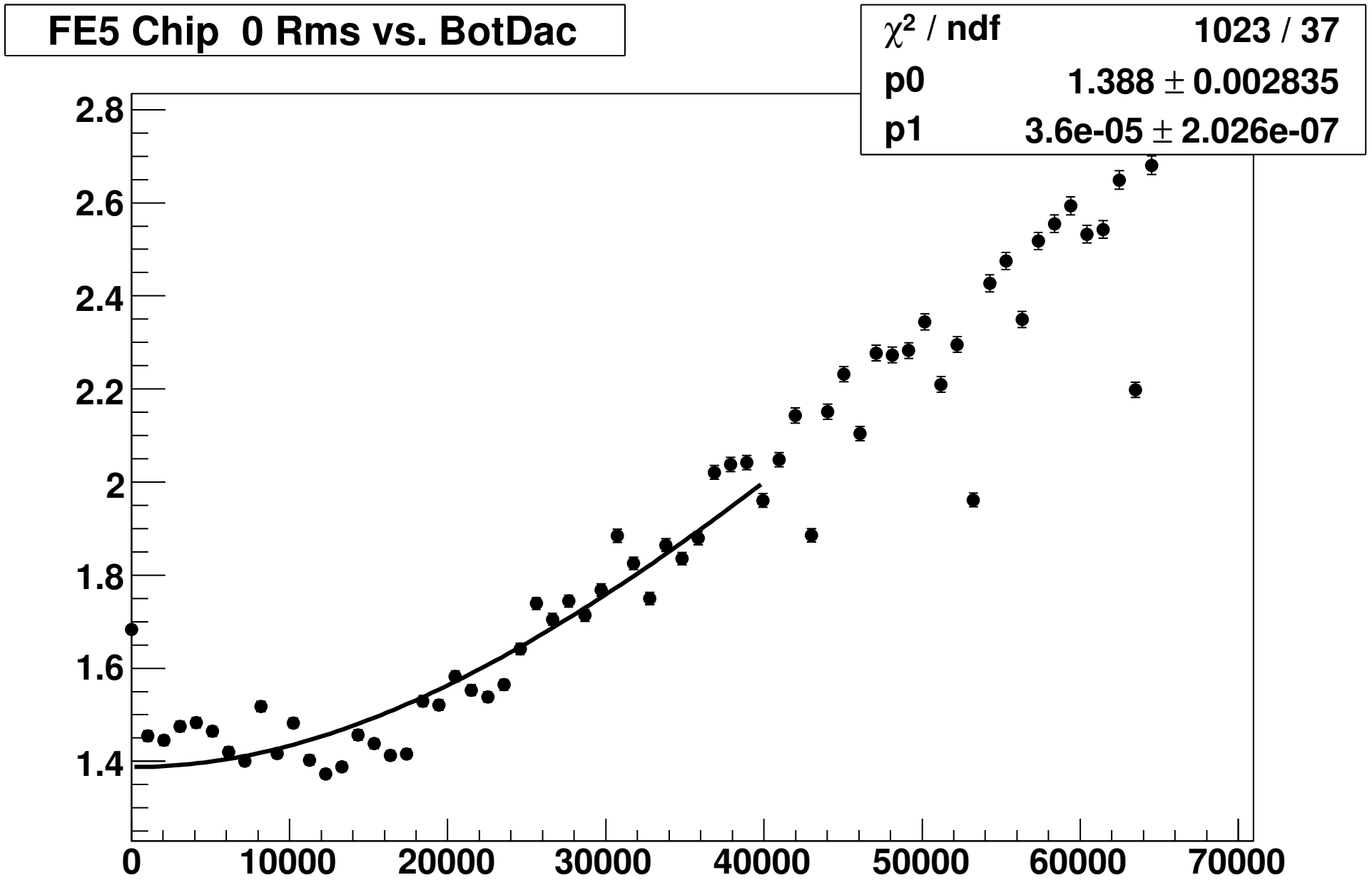

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.901e+05 / 37
p0 88.87 ± 0.005171
p1 0.4503 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1023 / 37
p0 1.388 ± 0.002835
p1 3.6e-05 ± 2.026e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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60000
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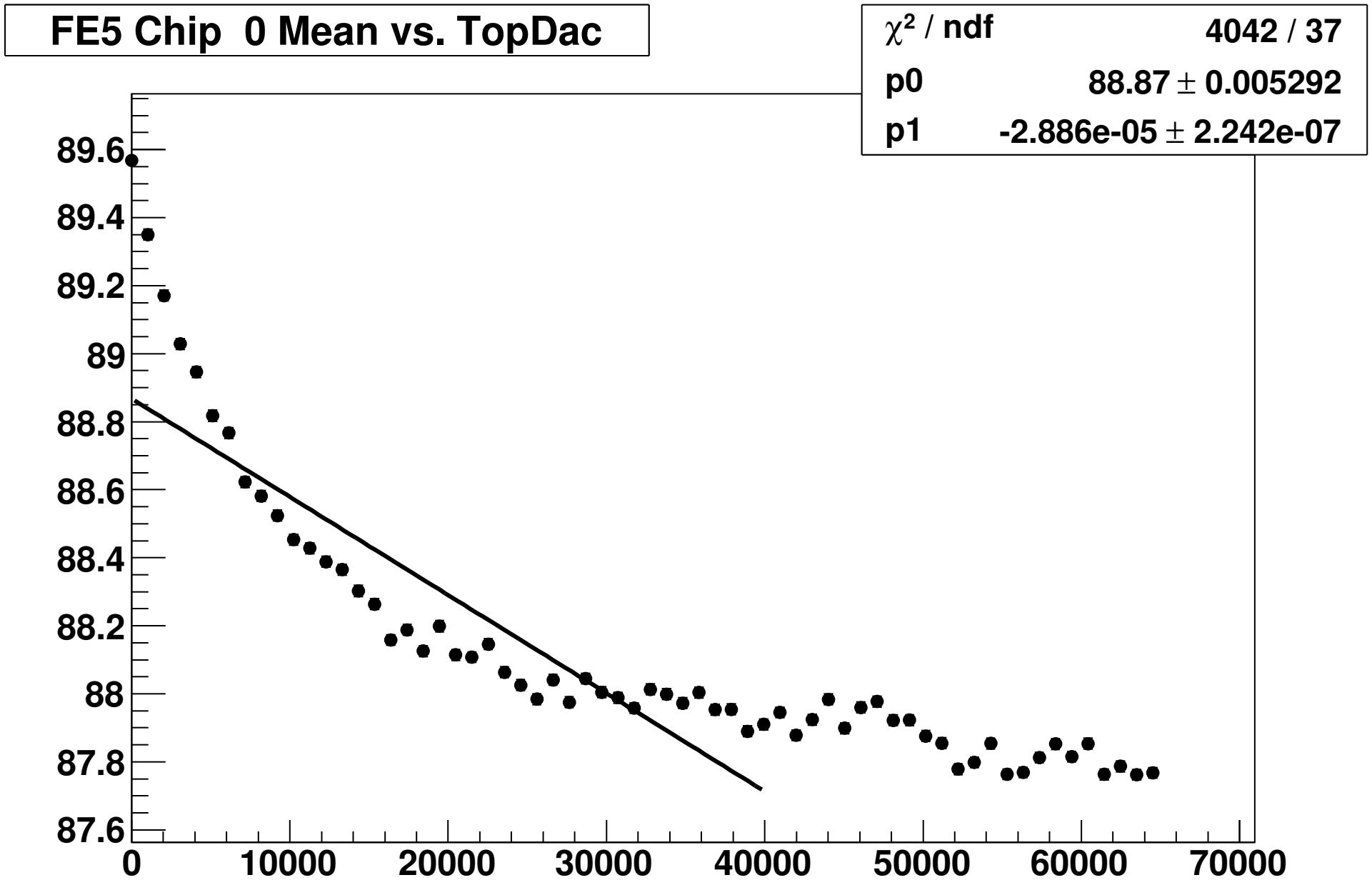
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 4042 / 37
p0 88.87 ± 0.005292
p1 -2.886e-05 ± 2.242e-07
89.6
89.4
89.2
89
88.8
88.6
88.4
88.2
88
87.8
87.6
0
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20000
30000
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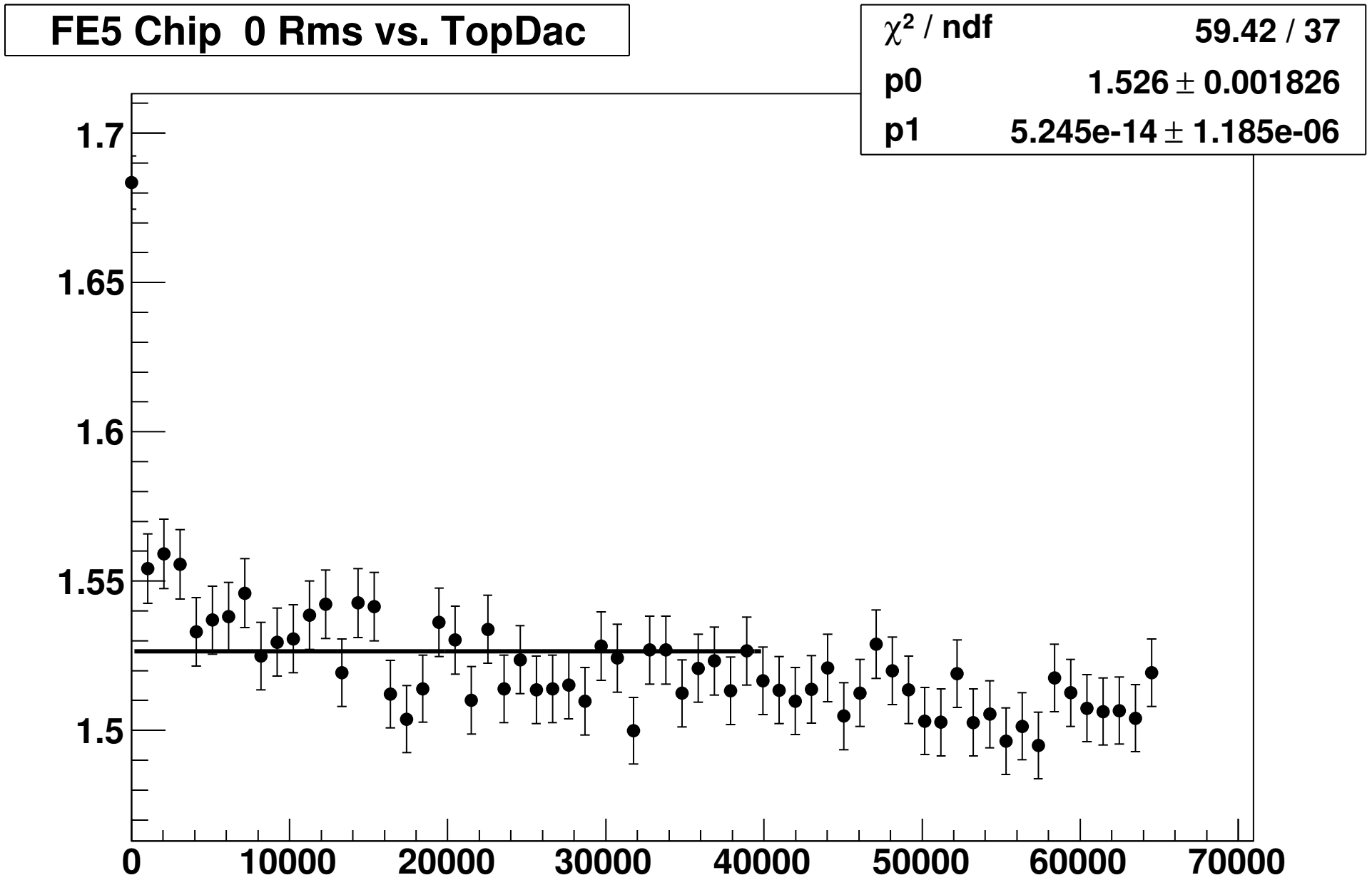
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 59.42 / 37
p0 1.526 ± 0.001826
p1 5.245e-14 ± 1.185e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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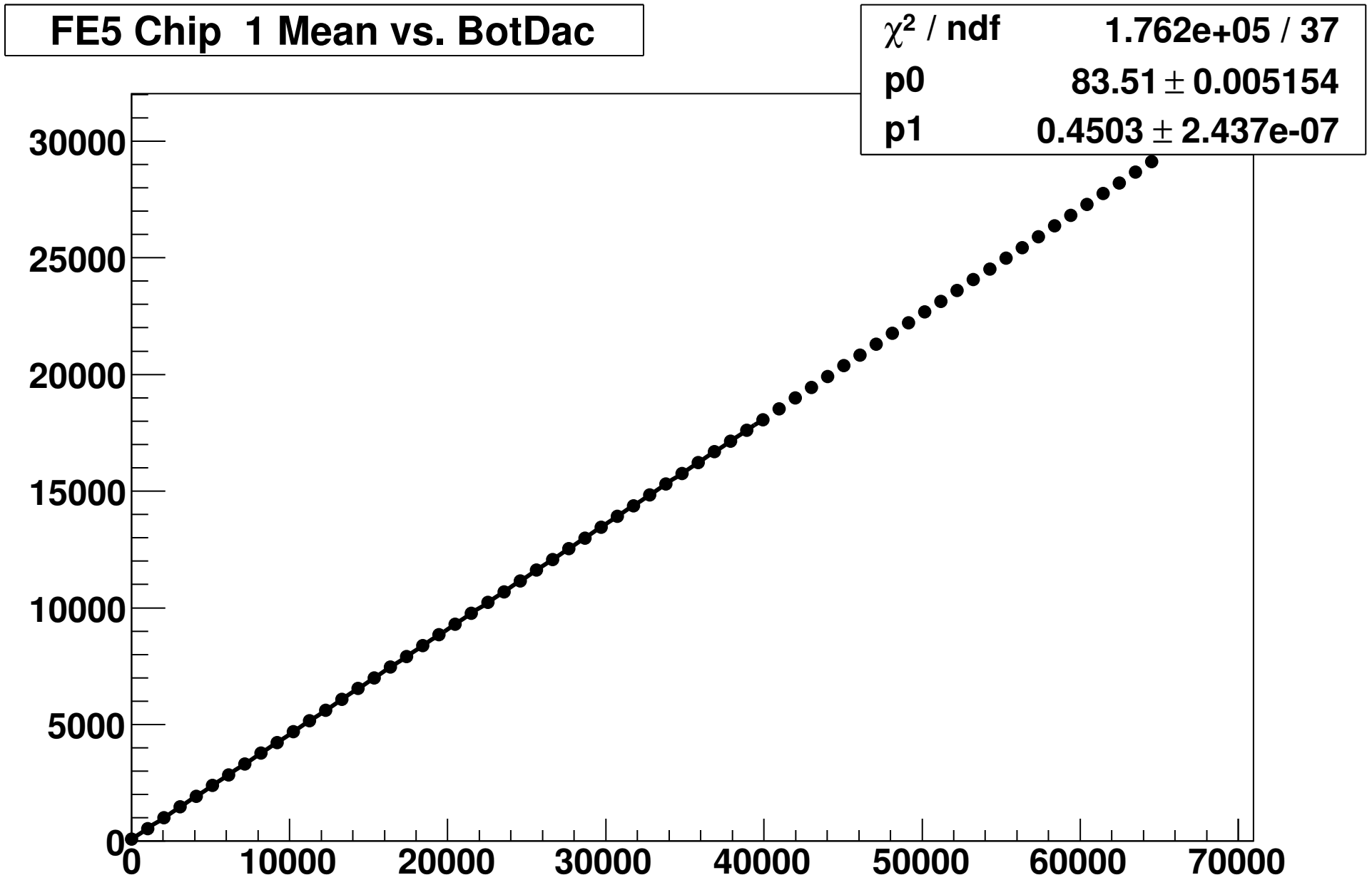
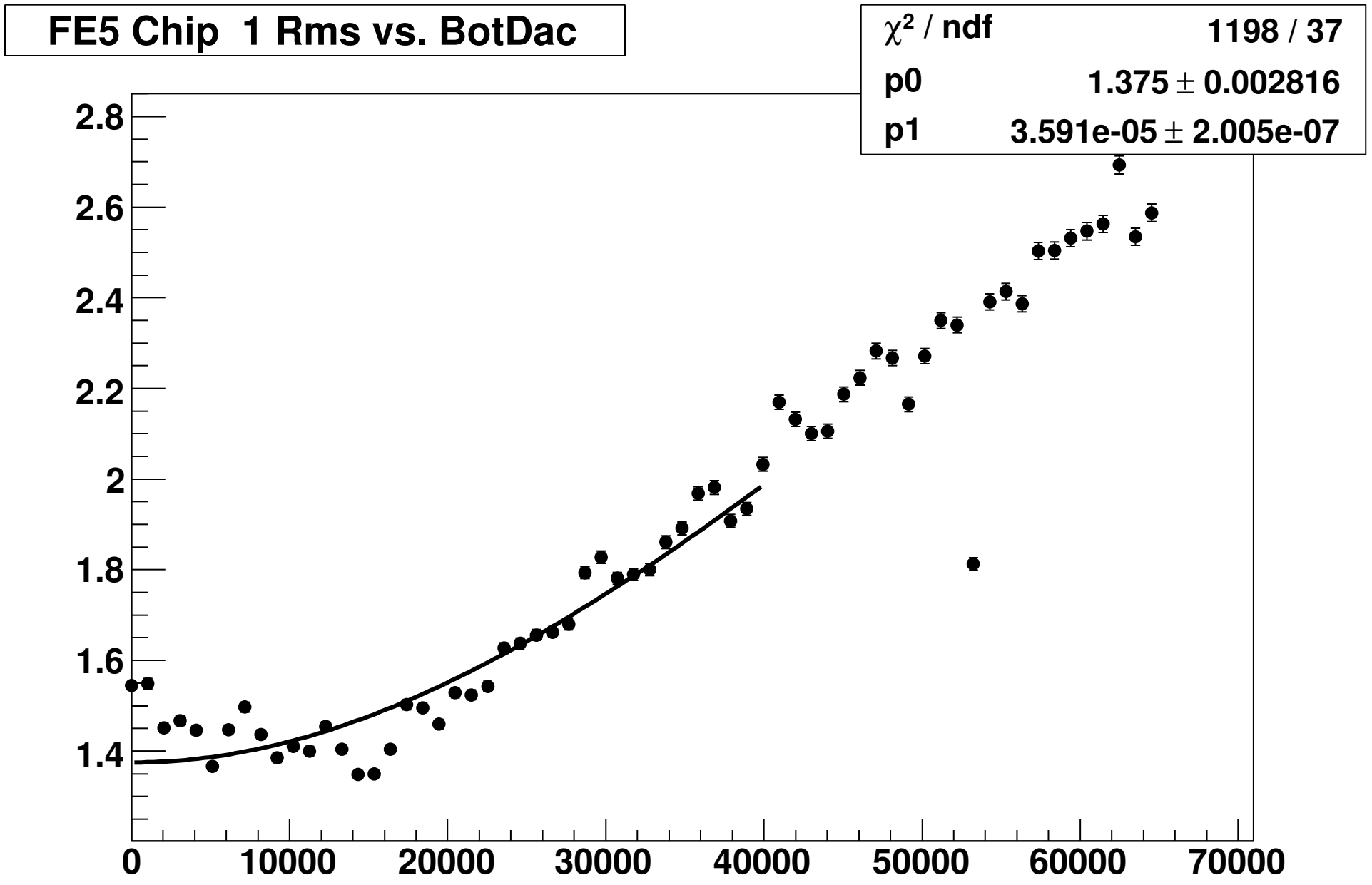
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.762e+05 / 37
p0 83.51 ± 0.005154
p1 0.4503 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 1198 / 37
p0 1.375 ± 0.002816
p1 3.591e-05 ± 2.005e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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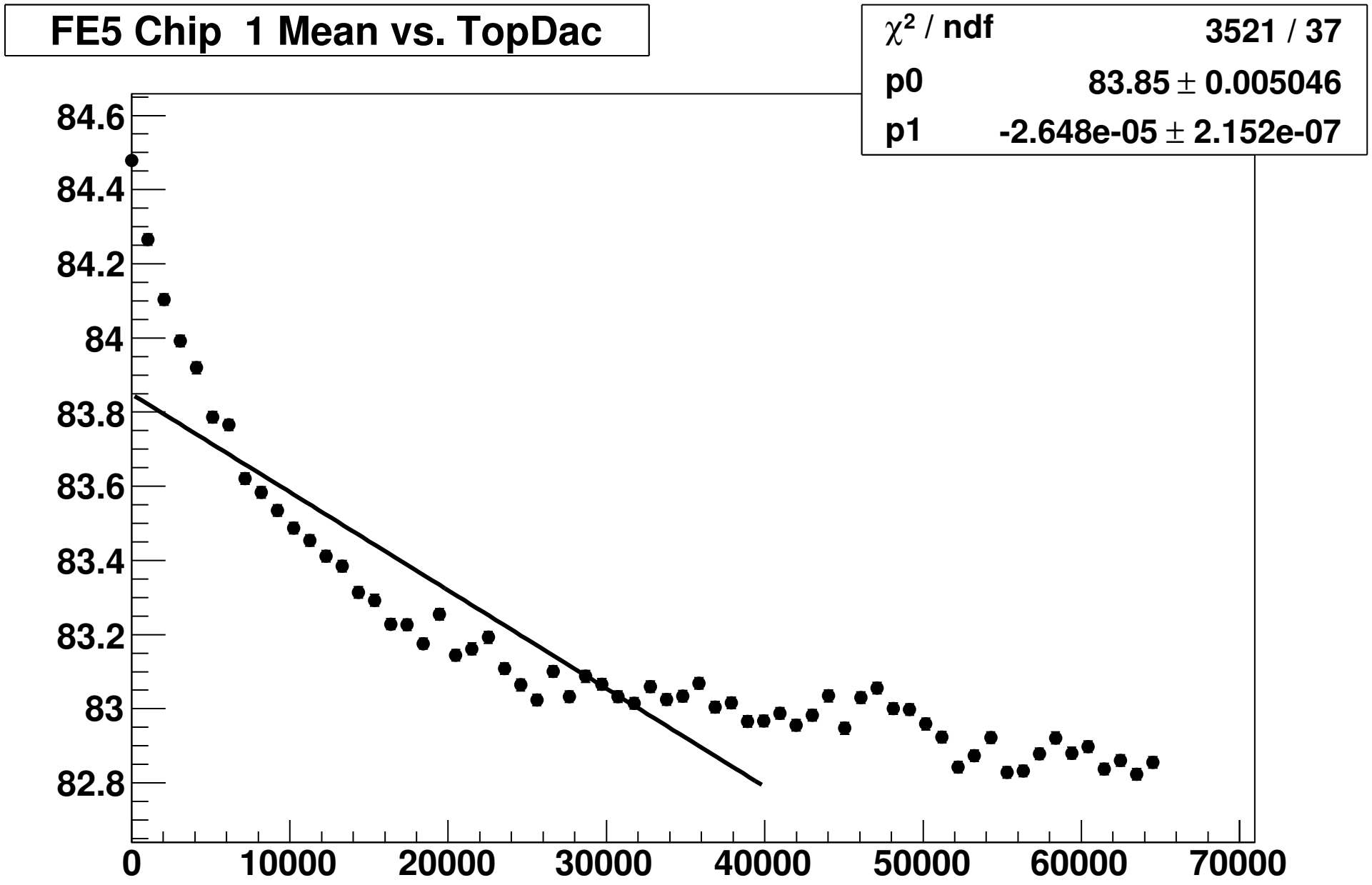
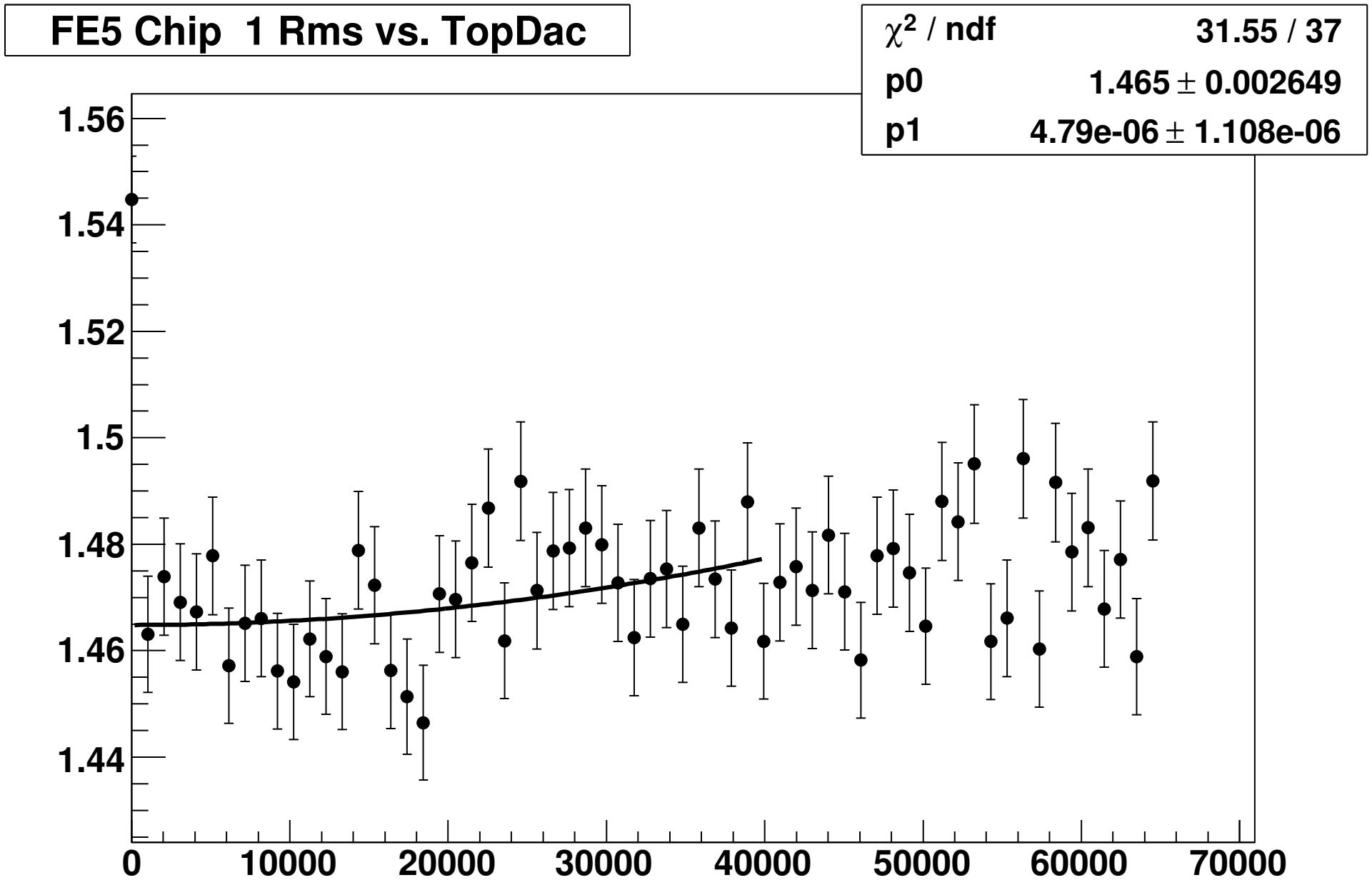
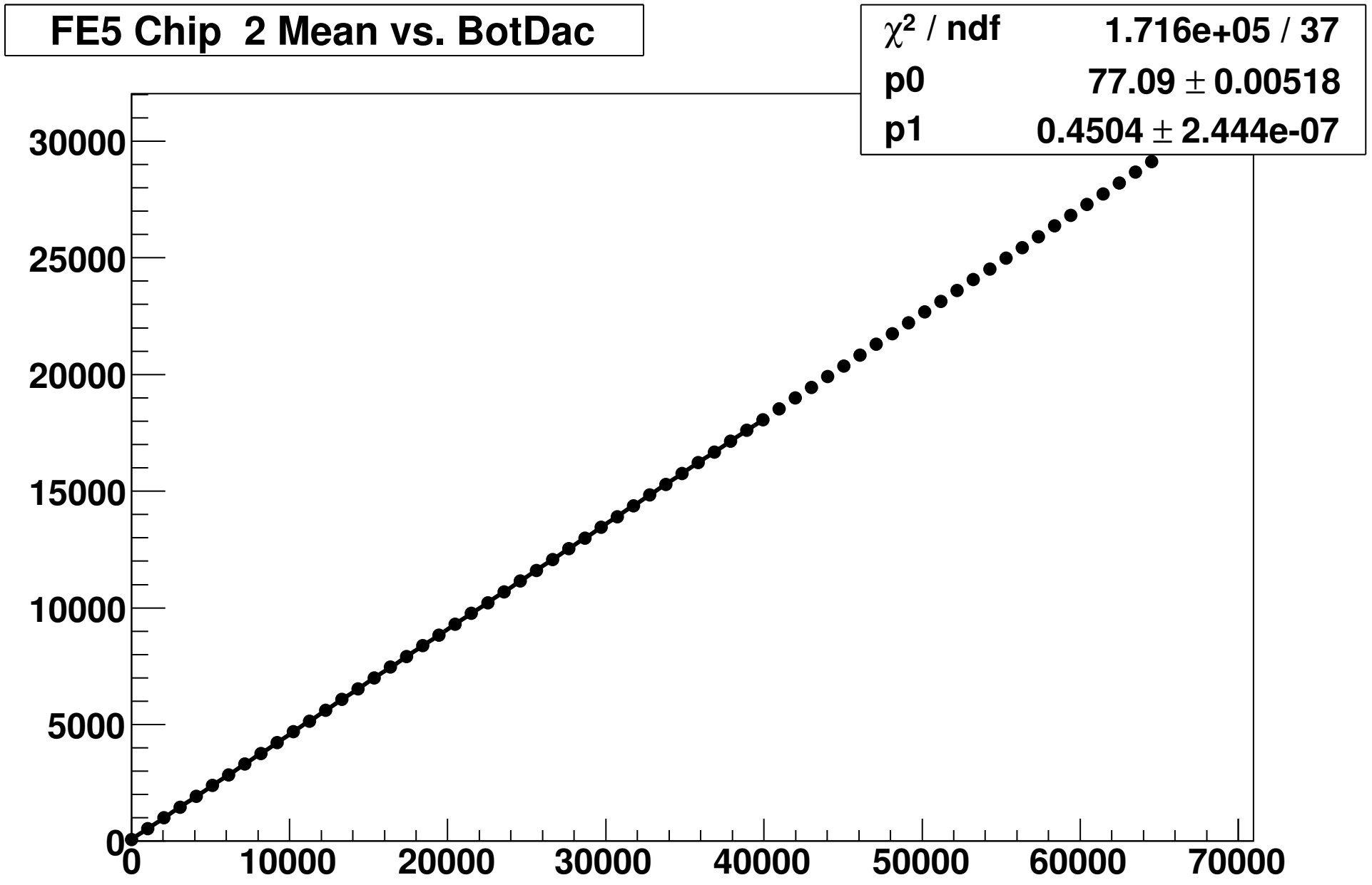

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 3521 / 37
p0 83.85 ± 0.005046
p1 -2.648e-05 ± 2.152e-07
84.6
84.4
84.2
84
83.8
83.6
83.4
83.2
83
82.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 31.55 / 37
p0 1.465 ± 0.002649
p1 4.79e-06 ± 1.108e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.716e+05 / 37
p0 77.09 ± 0.00518
p1 0.4504 ± 2.444e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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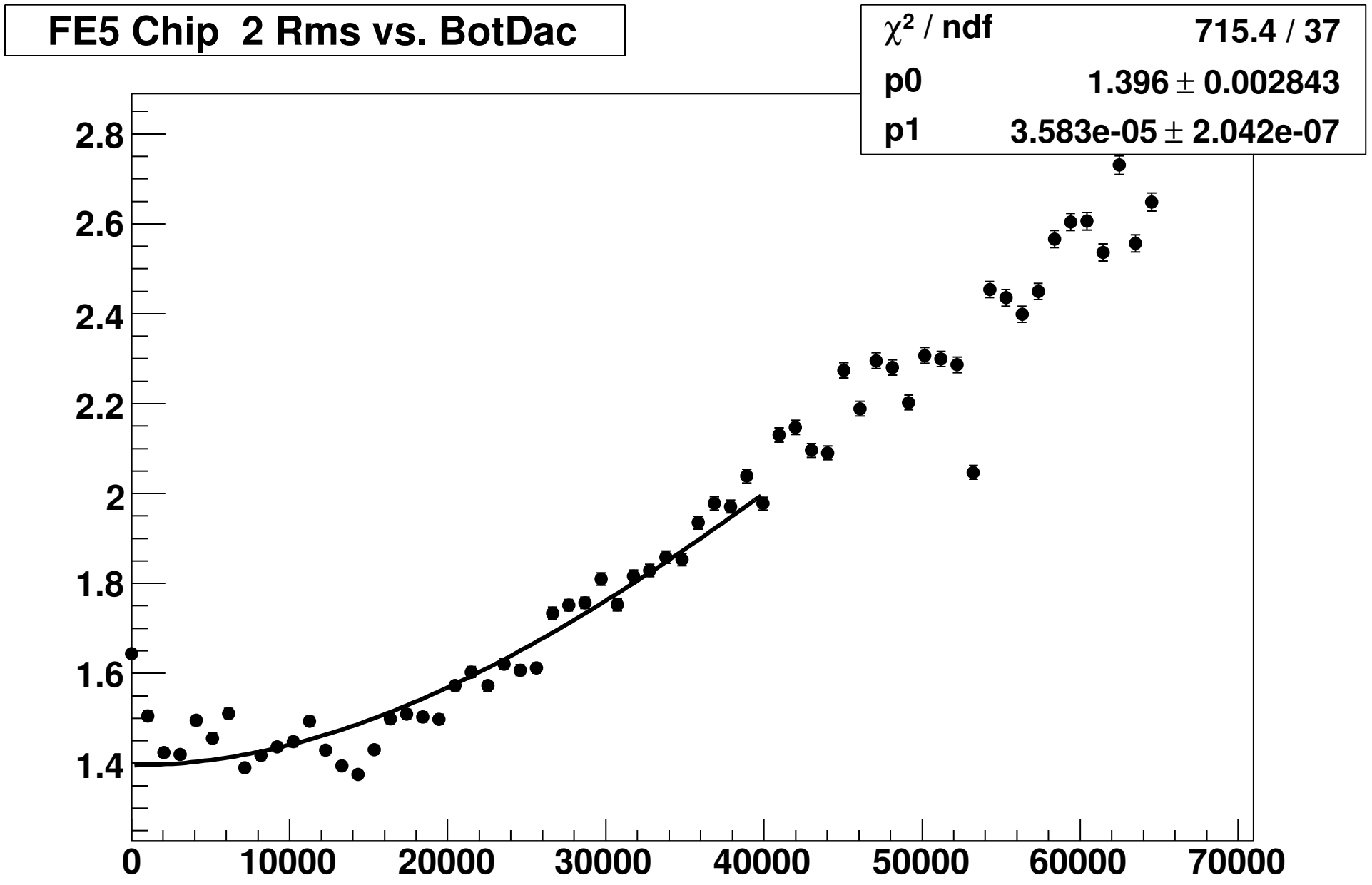
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 715.4 / 37
p0 1.396 ± 0.002843
p1 3.583e-05 ± 2.042e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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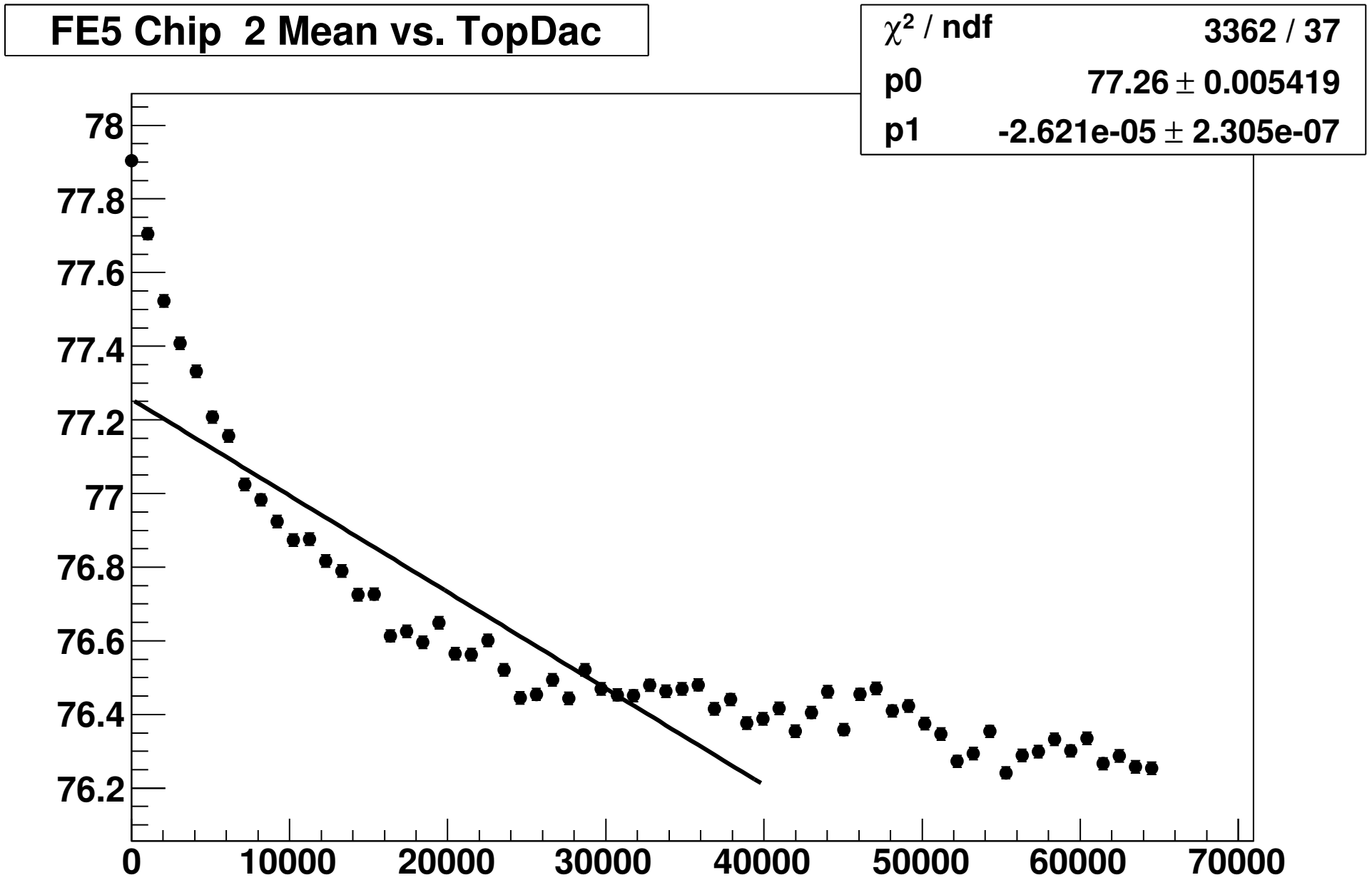
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 3362 / 37
p0 77.26 ± 0.005419
p1 -2.621e-05 ± 2.305e-07
78
77.8
77.6
77.4
77.2
77
76.8
76.6
76.4
76.2
0
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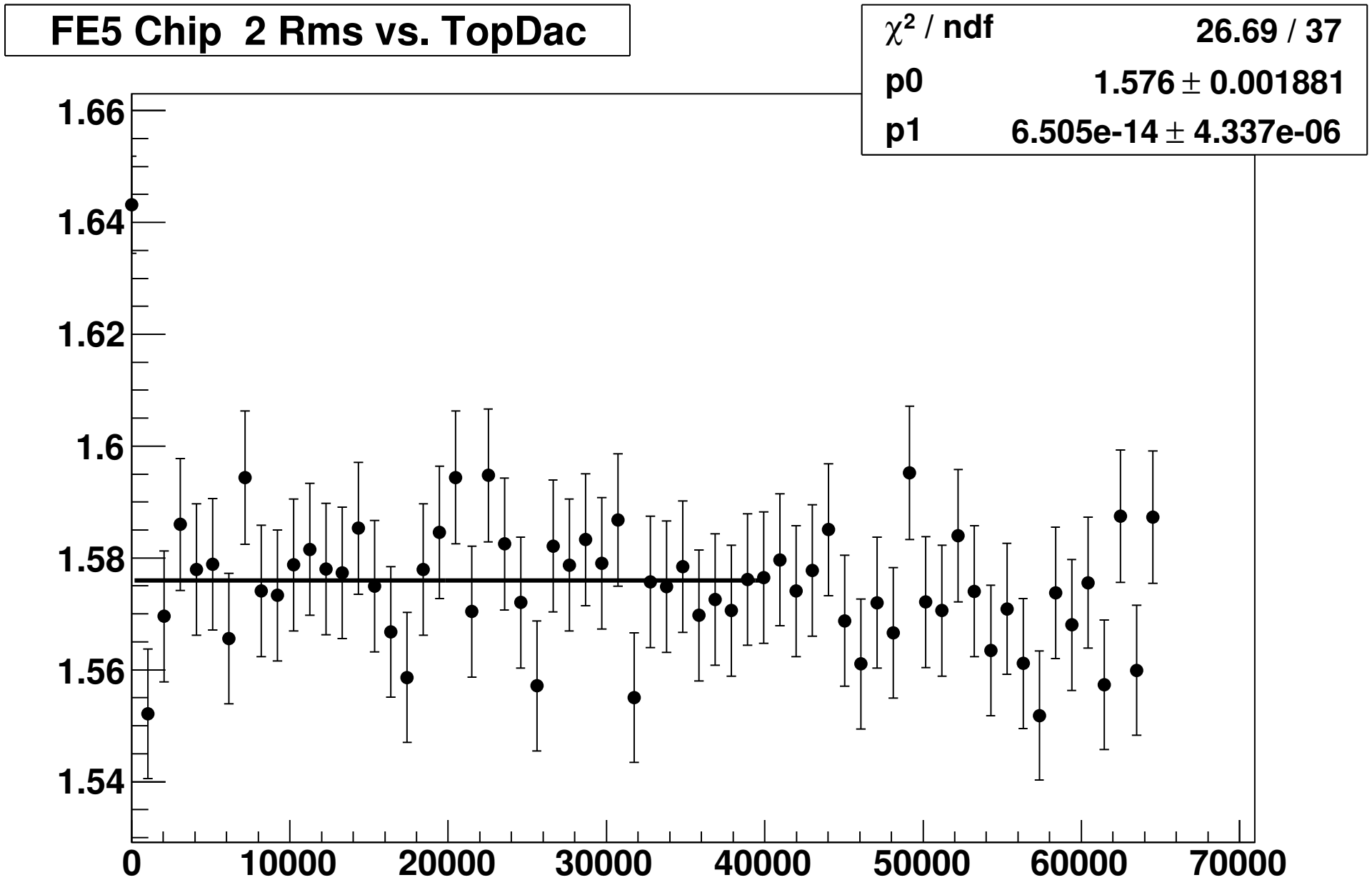
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 26.69 / 37
p0 1.576 ± 0.001881
p1 6.505e-14 ± 4.337e-06
1.66
1.64
1.62
1.6
1.58
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1.54
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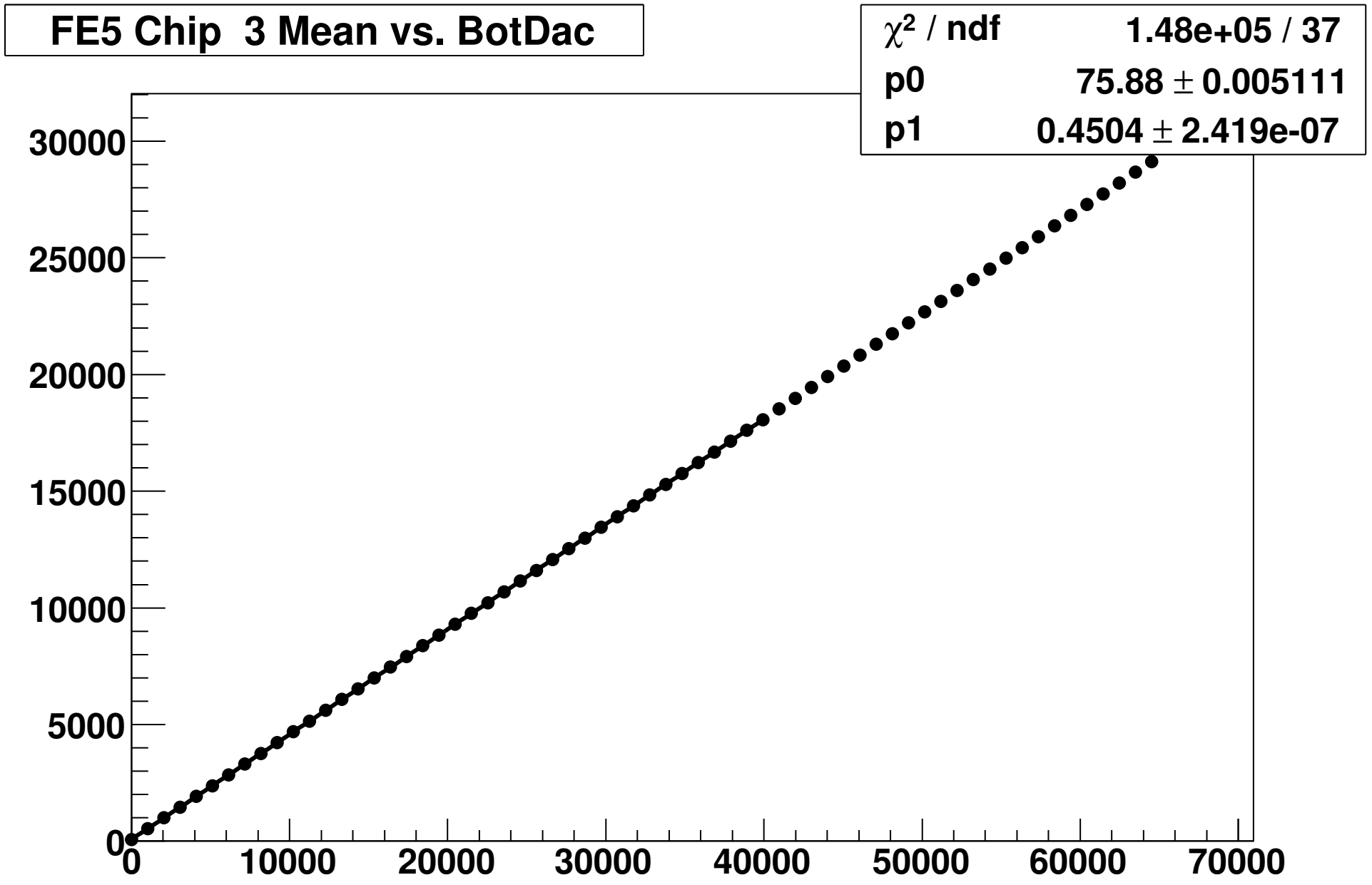
FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.48e+05 / 37
p0 75.88 ± 0.005111
p1 0.4504 ± 2.419e-07
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15000
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0
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10000
20000
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60000
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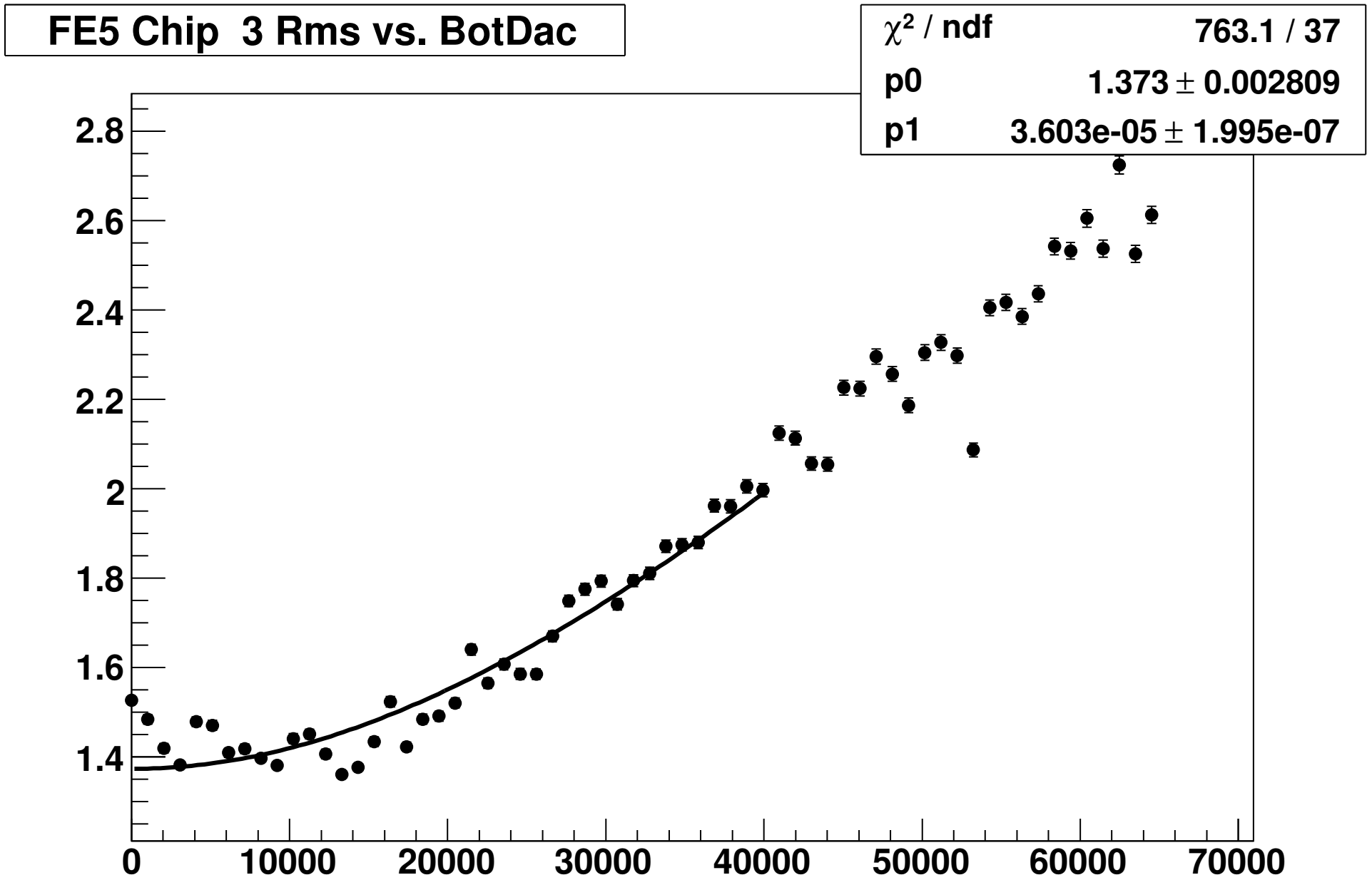
FE5 Chip 3 Rms vs. BotDac
χ² / ndf 763.1 / 37
p0 1.373 ± 0.002809
p1 3.603e-05 ± 1.995e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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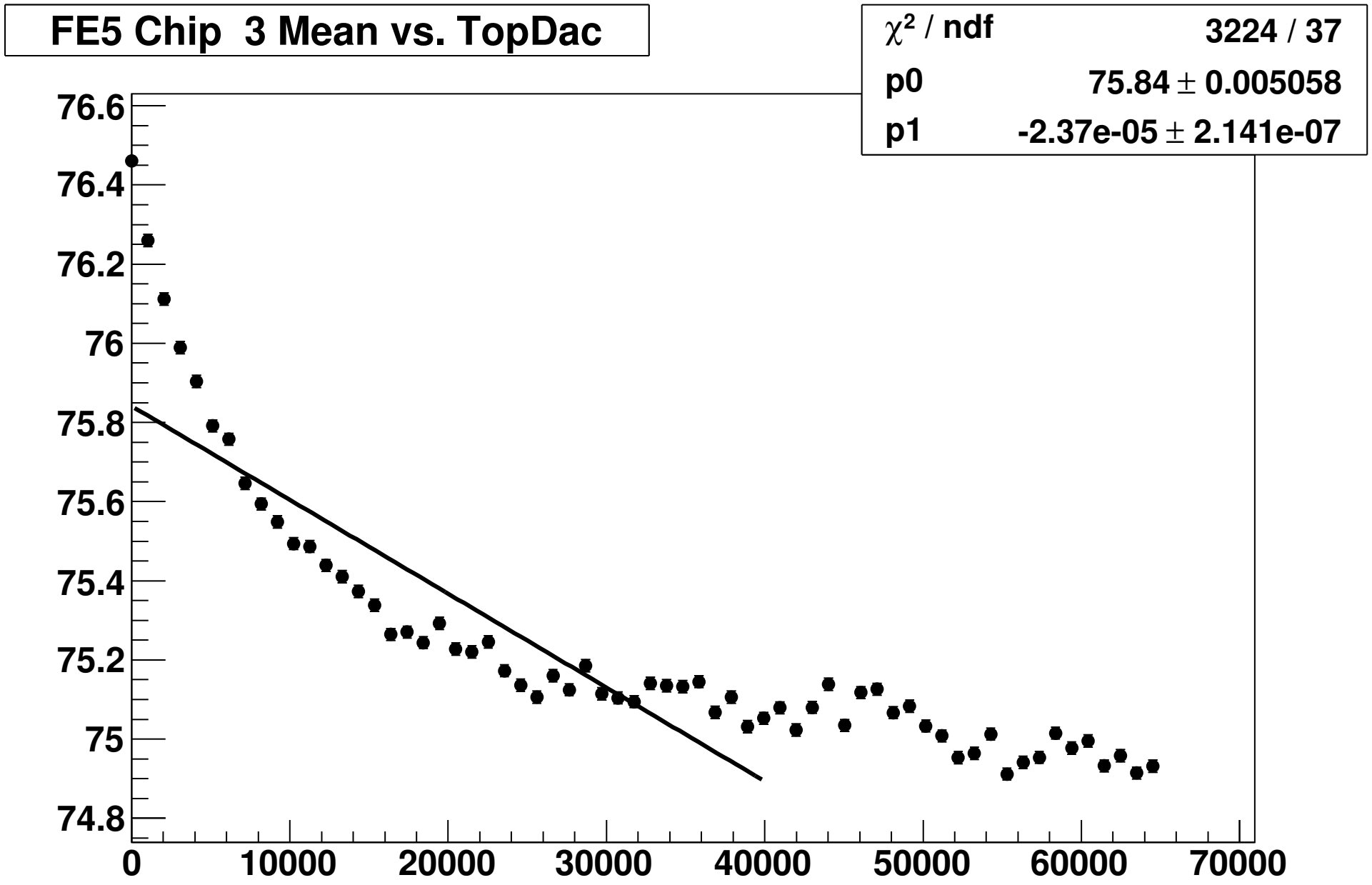
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 3224 / 37
p0 75.84 ± 0.005058
p1 -2.37e-05 ± 2.141e-07
76.6
76.4
76.2
76
75.8
75.6
75.4
75.2
75
74.8
0
10000
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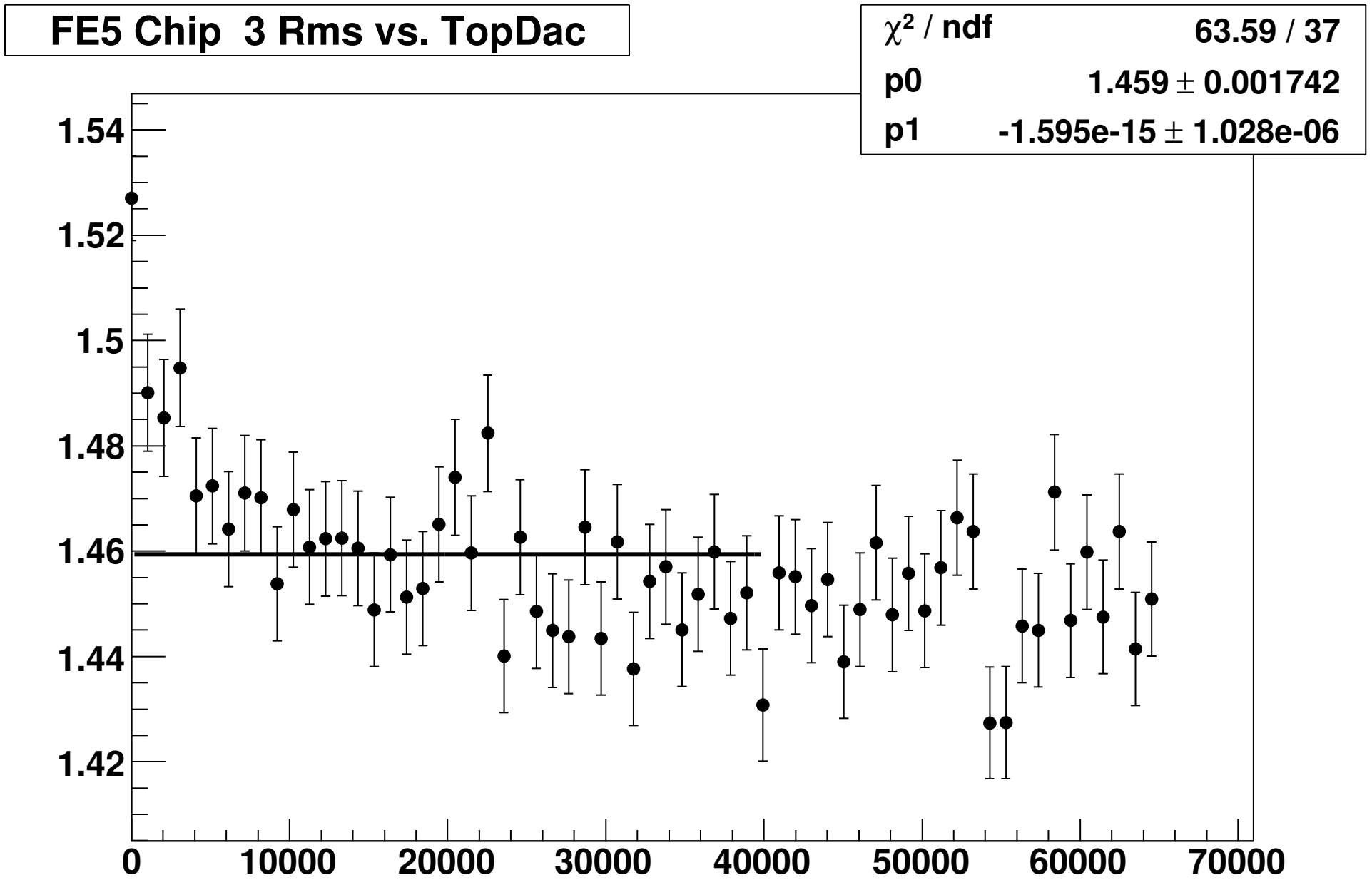
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 63.59 / 37
p0 1.459 ± 0.001742
p1 -1.595e-15 ± 1.028e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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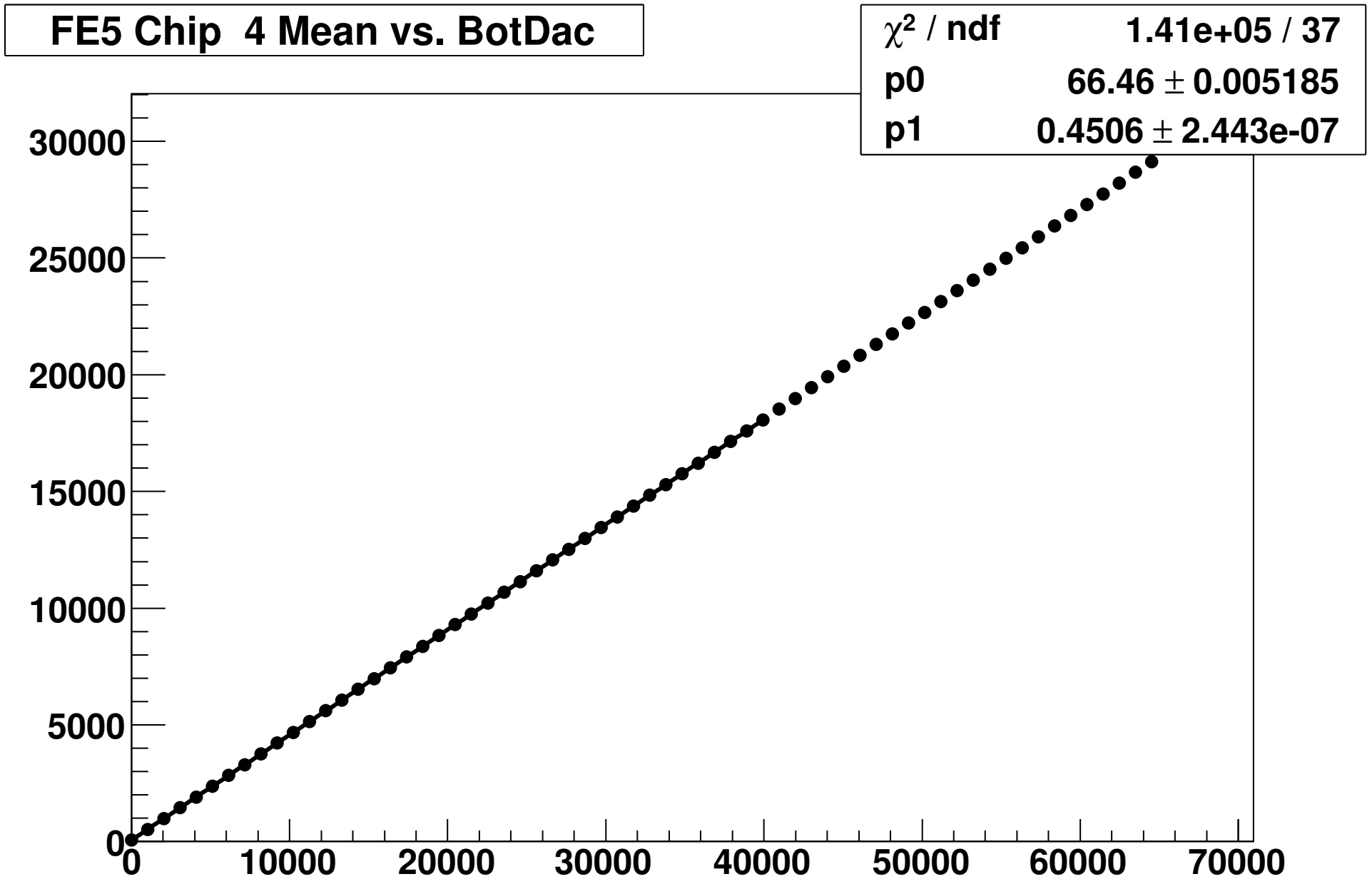
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.41e+05 / 37
p0 66.46 ± 0.005185
p1 0.4506 ± 2.443e-07
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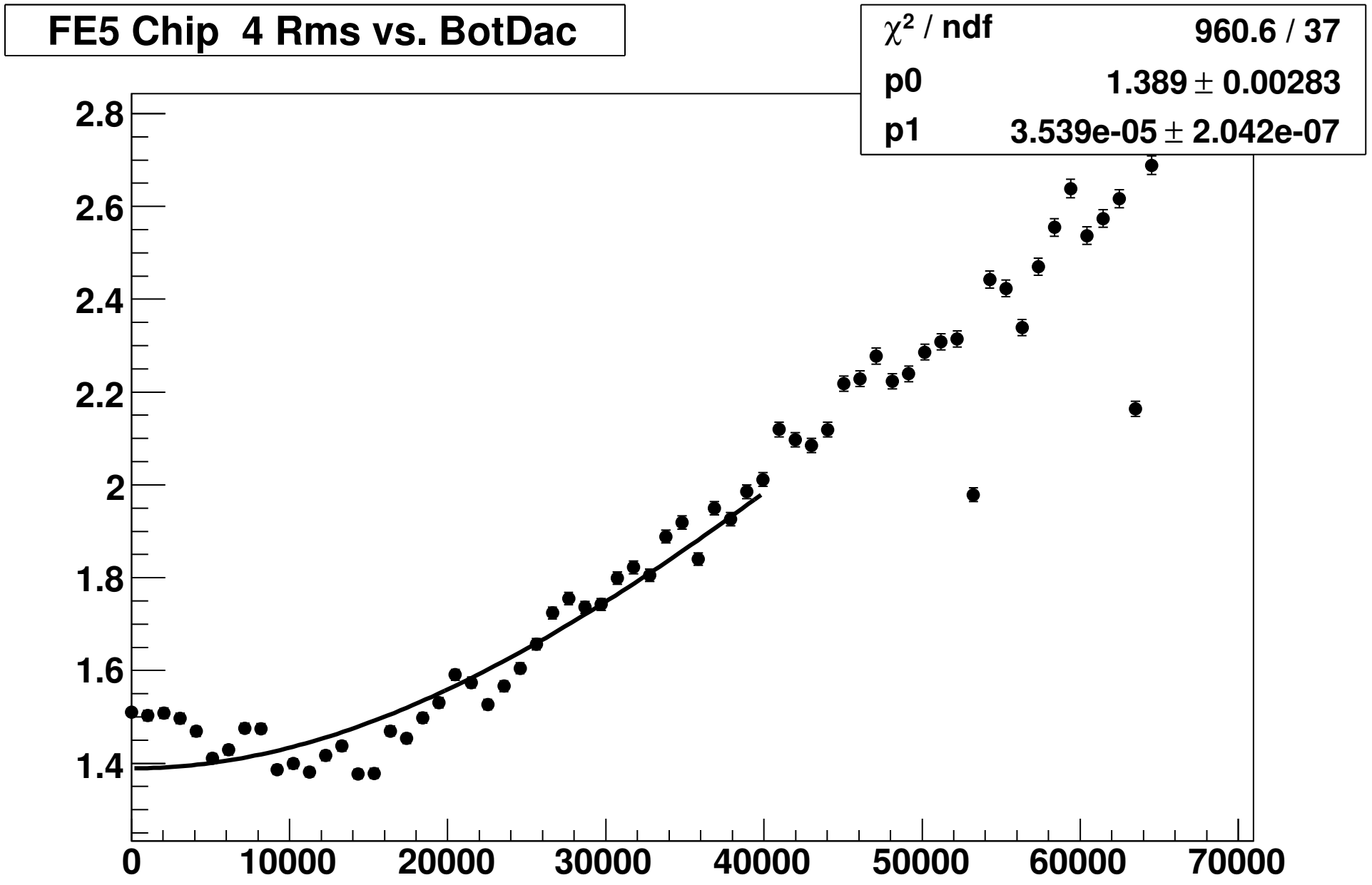
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 960.6 / 37
p0 1.389 ± 0.00283
p1 3.539e-05 ± 2.042e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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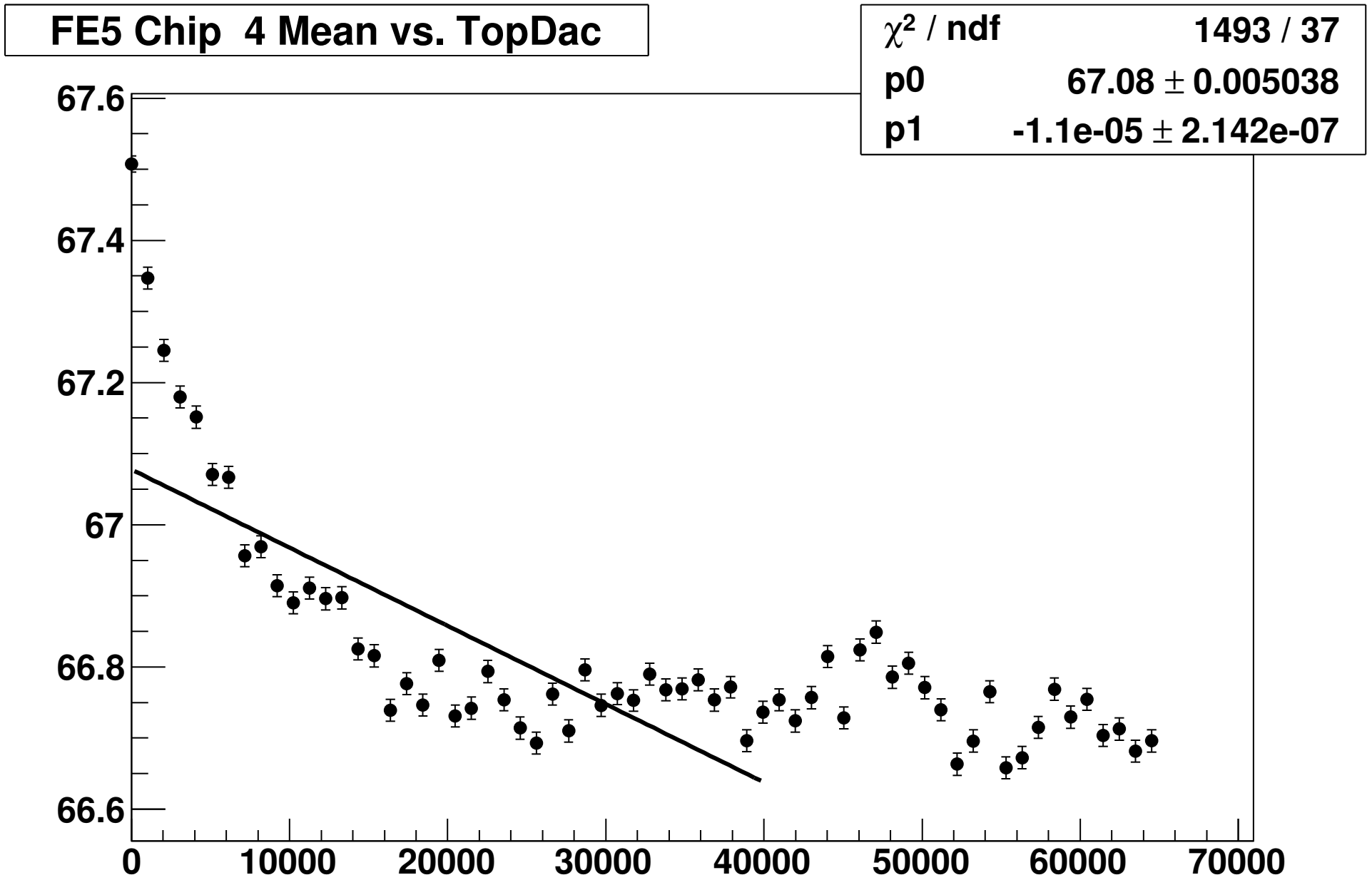
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 1493 / 37
p0 67.08 ± 0.005038
p1 -1.1e-05 ± 2.142e-07
67.6
67.4
67.2
67
66.8
66.6
0
10000
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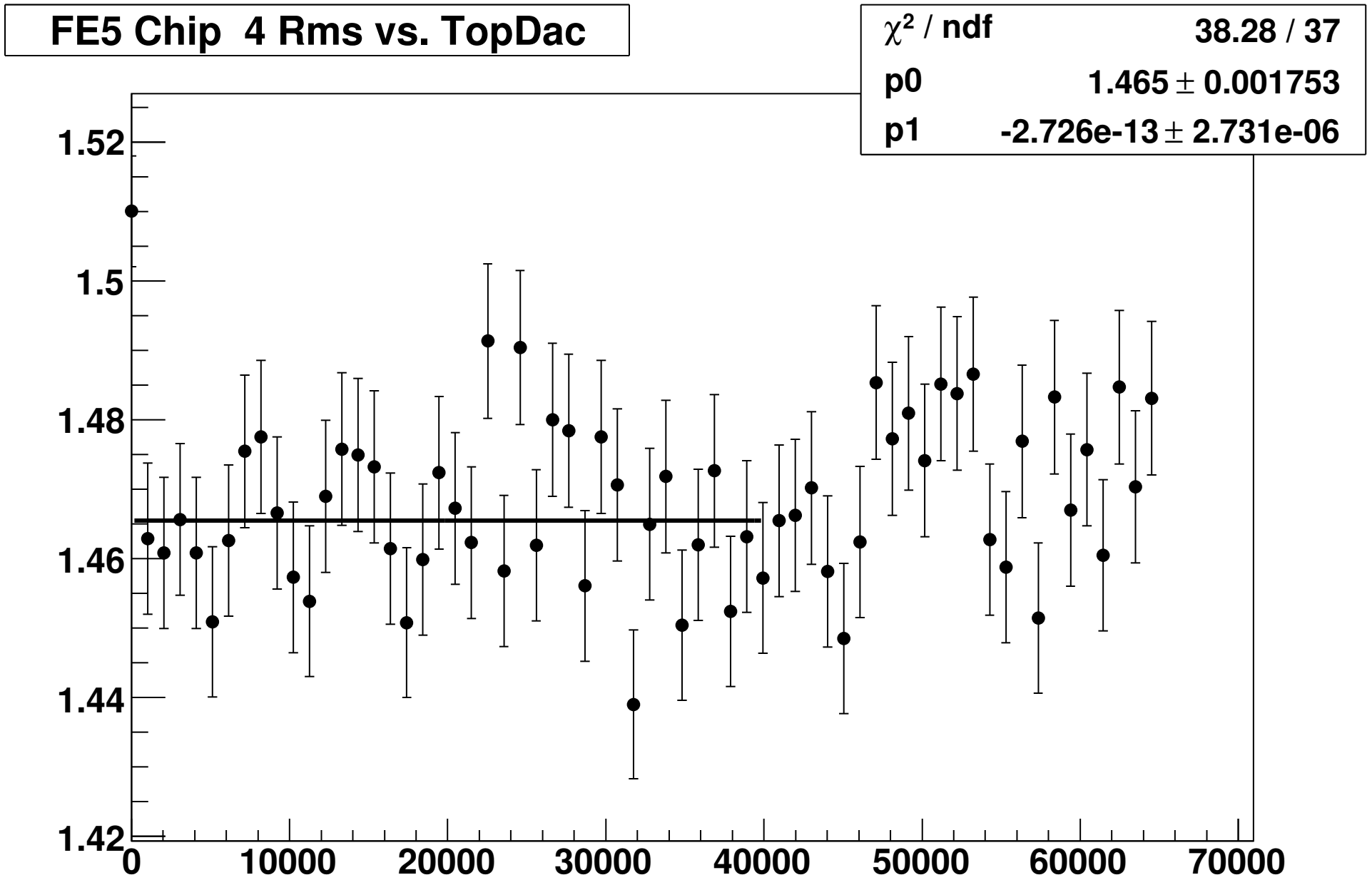
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 38.28 / 37
p0 1.465 ± 0.001753
p1 -2.726e-13 ± 2.731e-06
1.52
1.5
1.48
1.46
1.44
1.42
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60000
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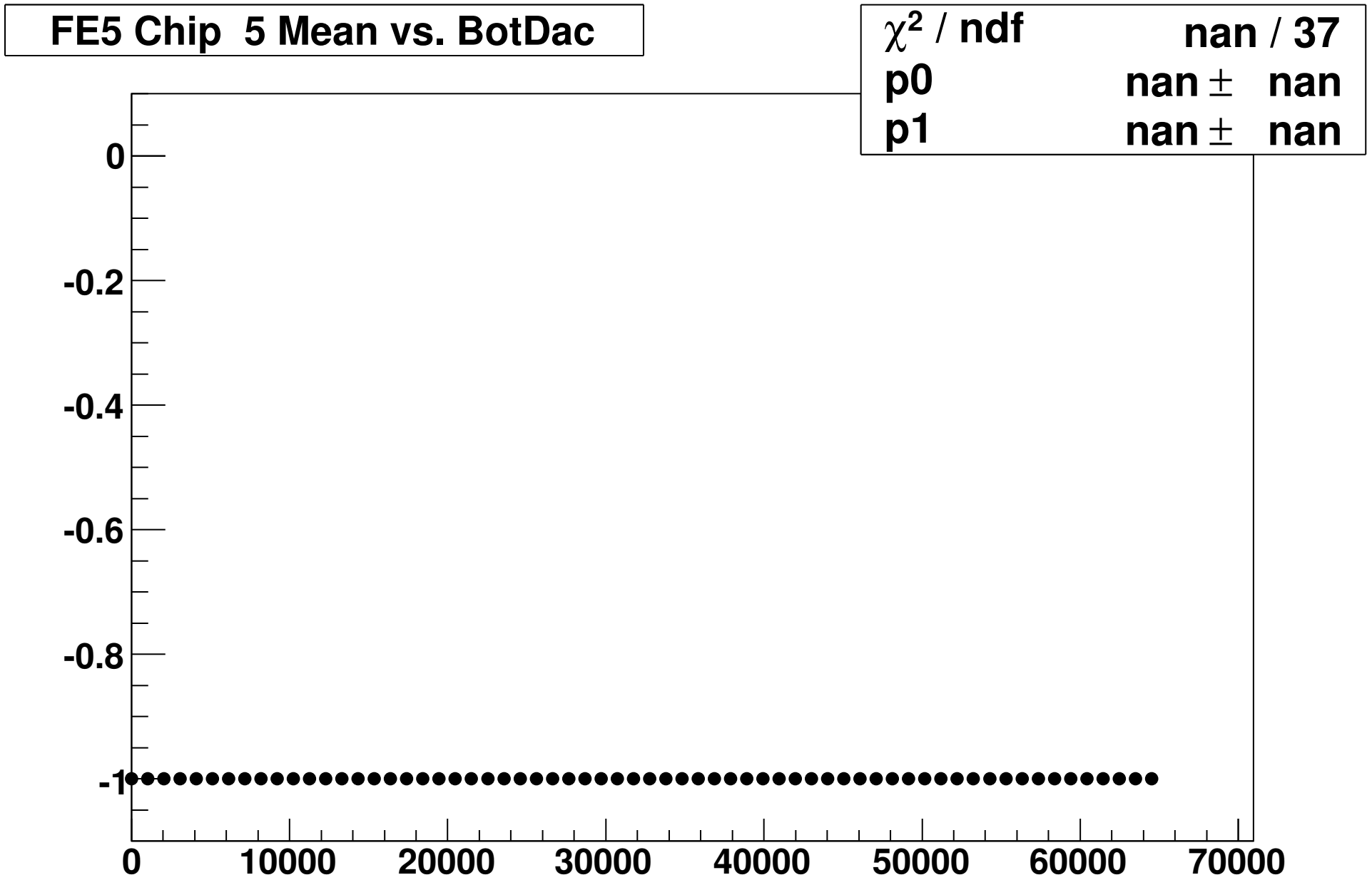
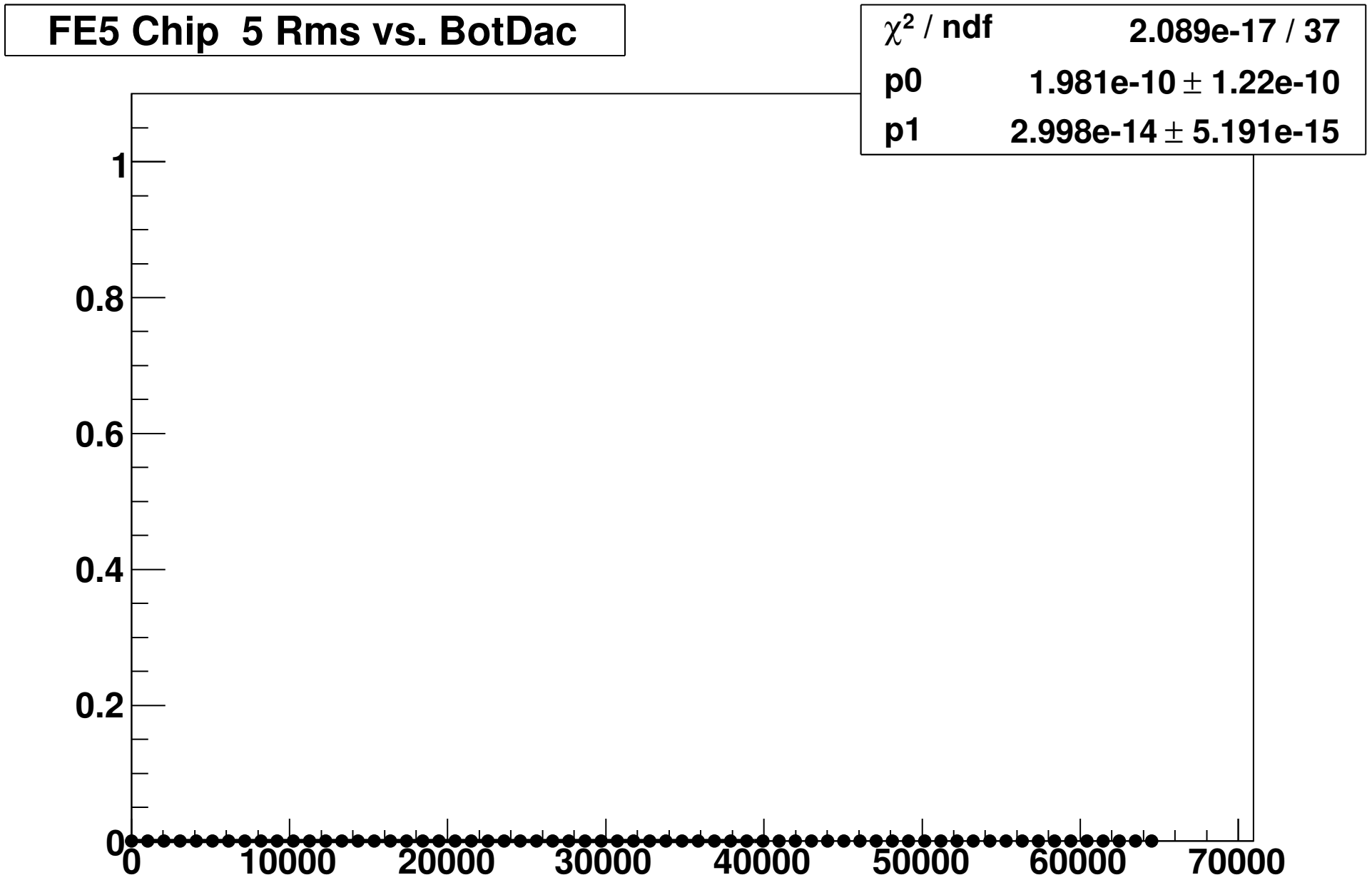
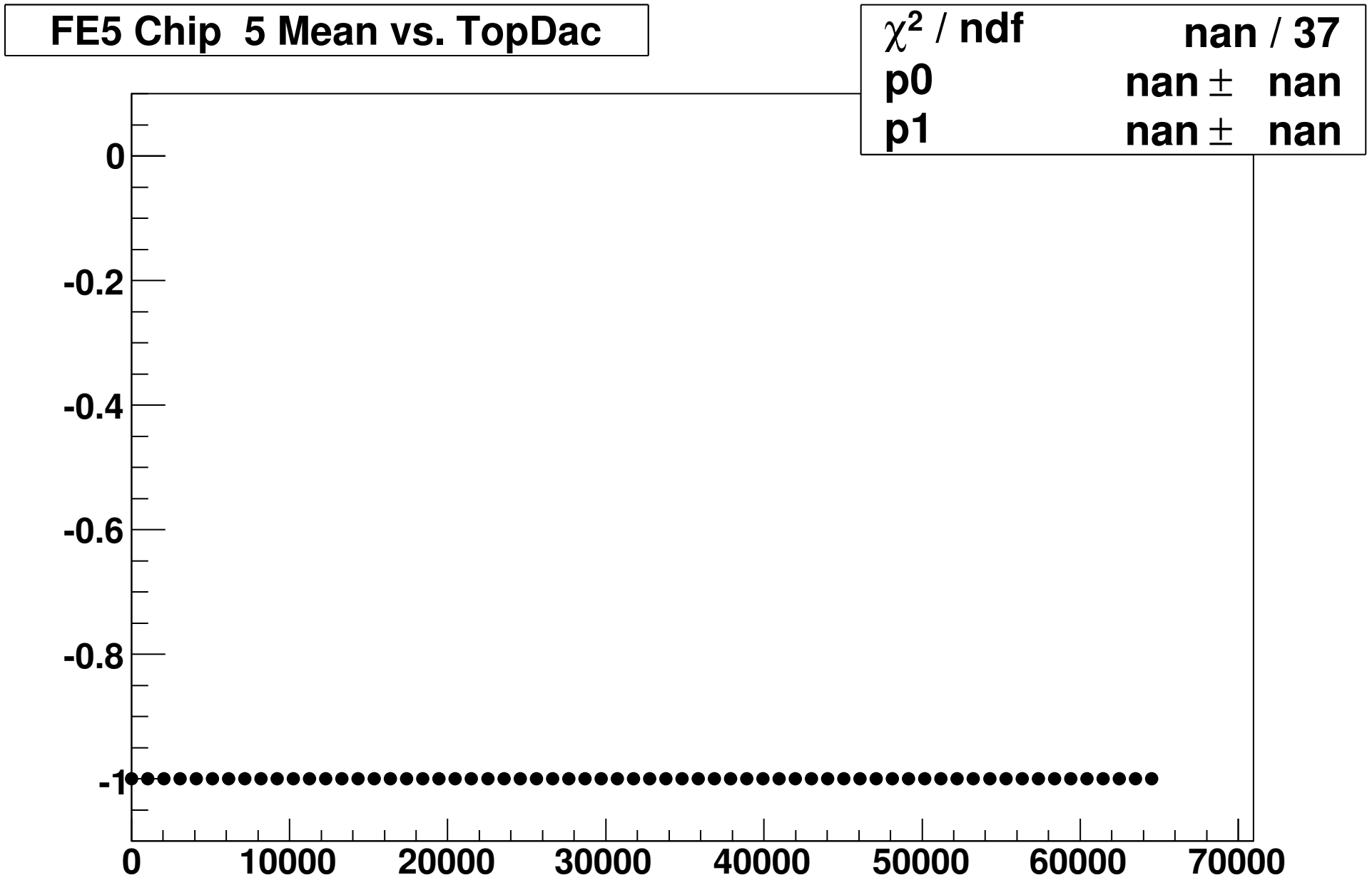

FE5 Chip 5 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
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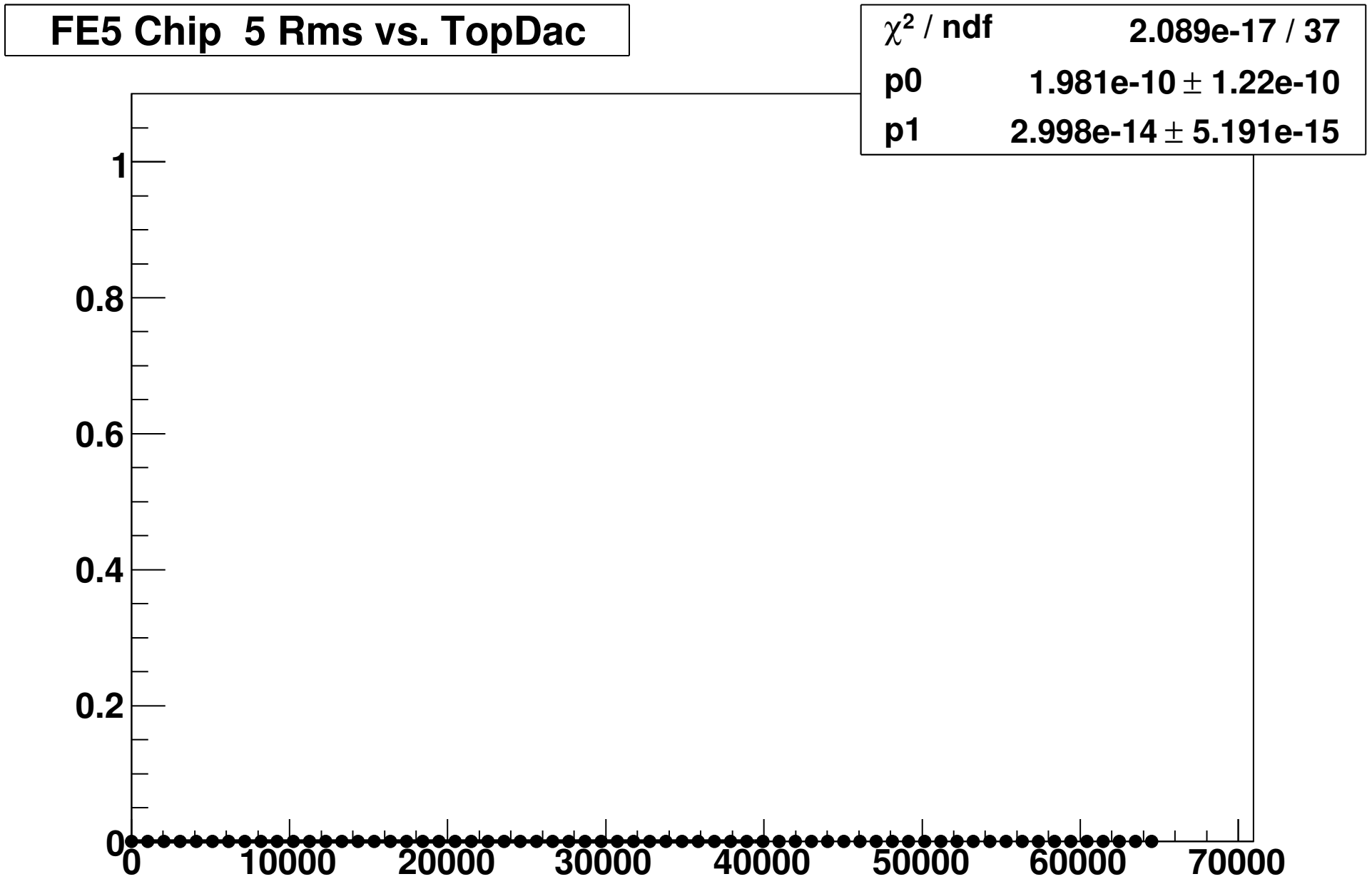
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
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50000
60000
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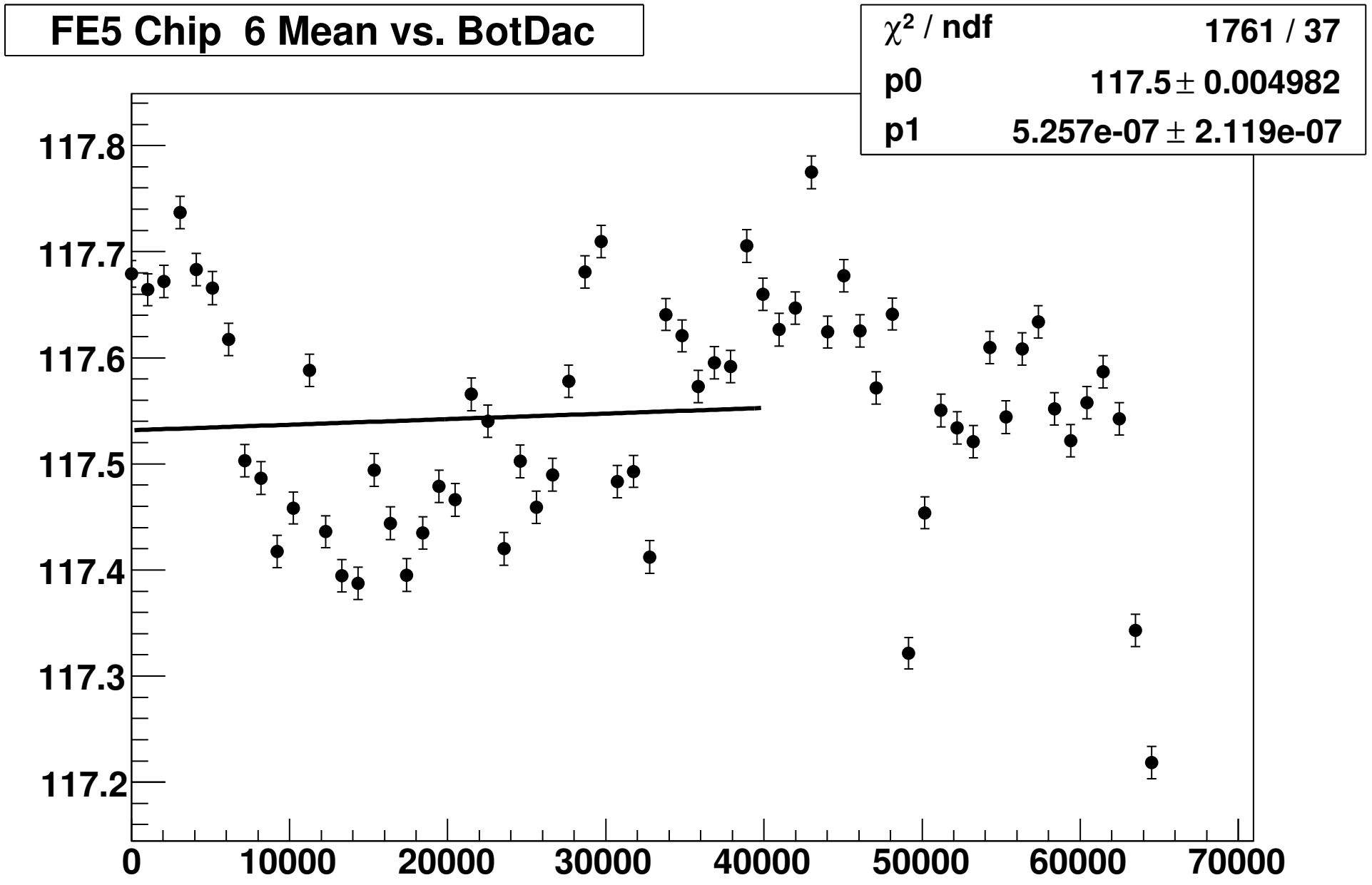
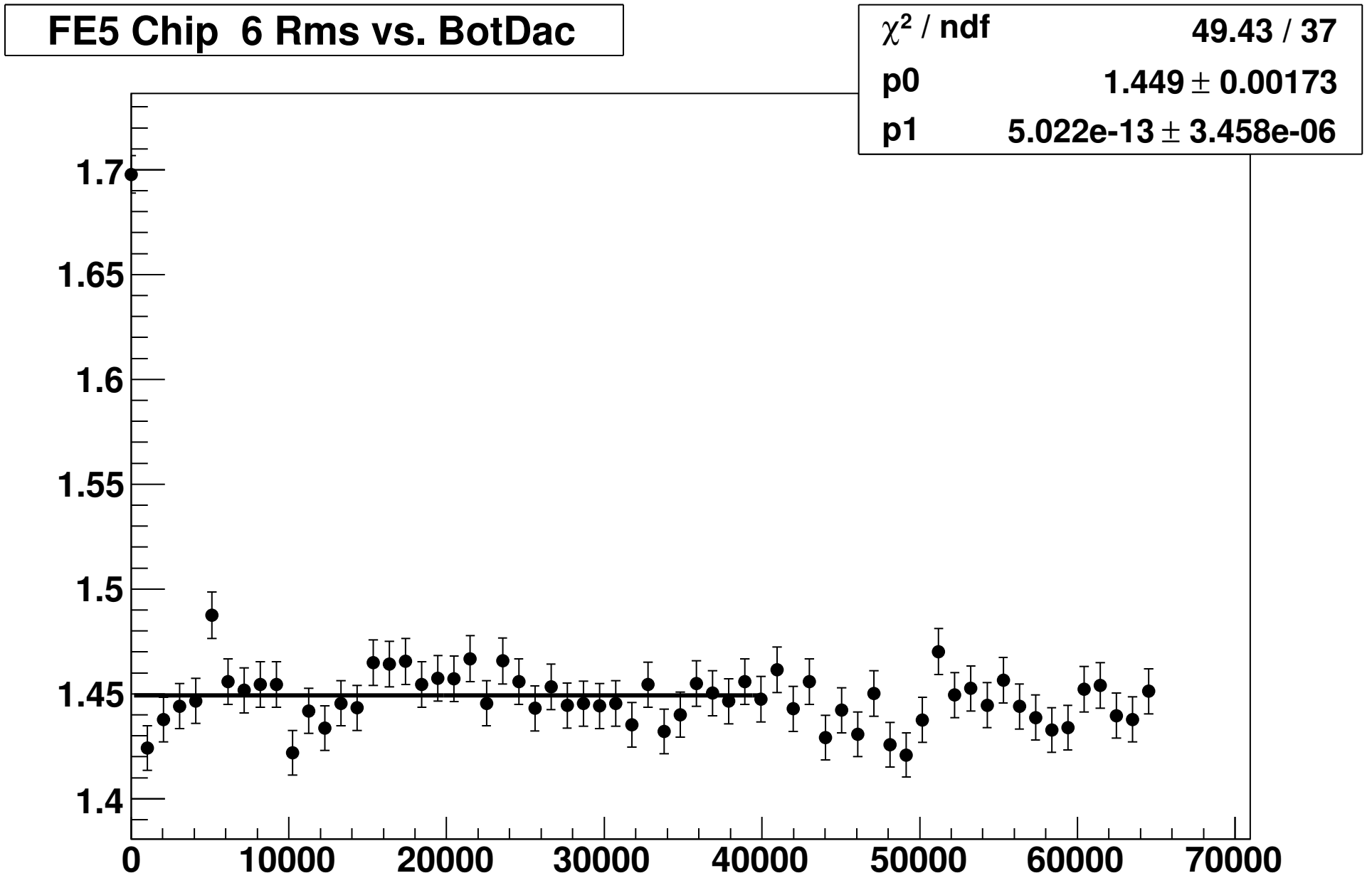

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1761 / 37
p0 117.5 ± 0.004982
p1 5.257e-07 ± 2.119e-07
117.8
117.7
117.6
117.5
117.4
117.3
117.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 49.43 / 37
p0 1.449 ± 0.00173
p1 5.022e-13 ± 3.458e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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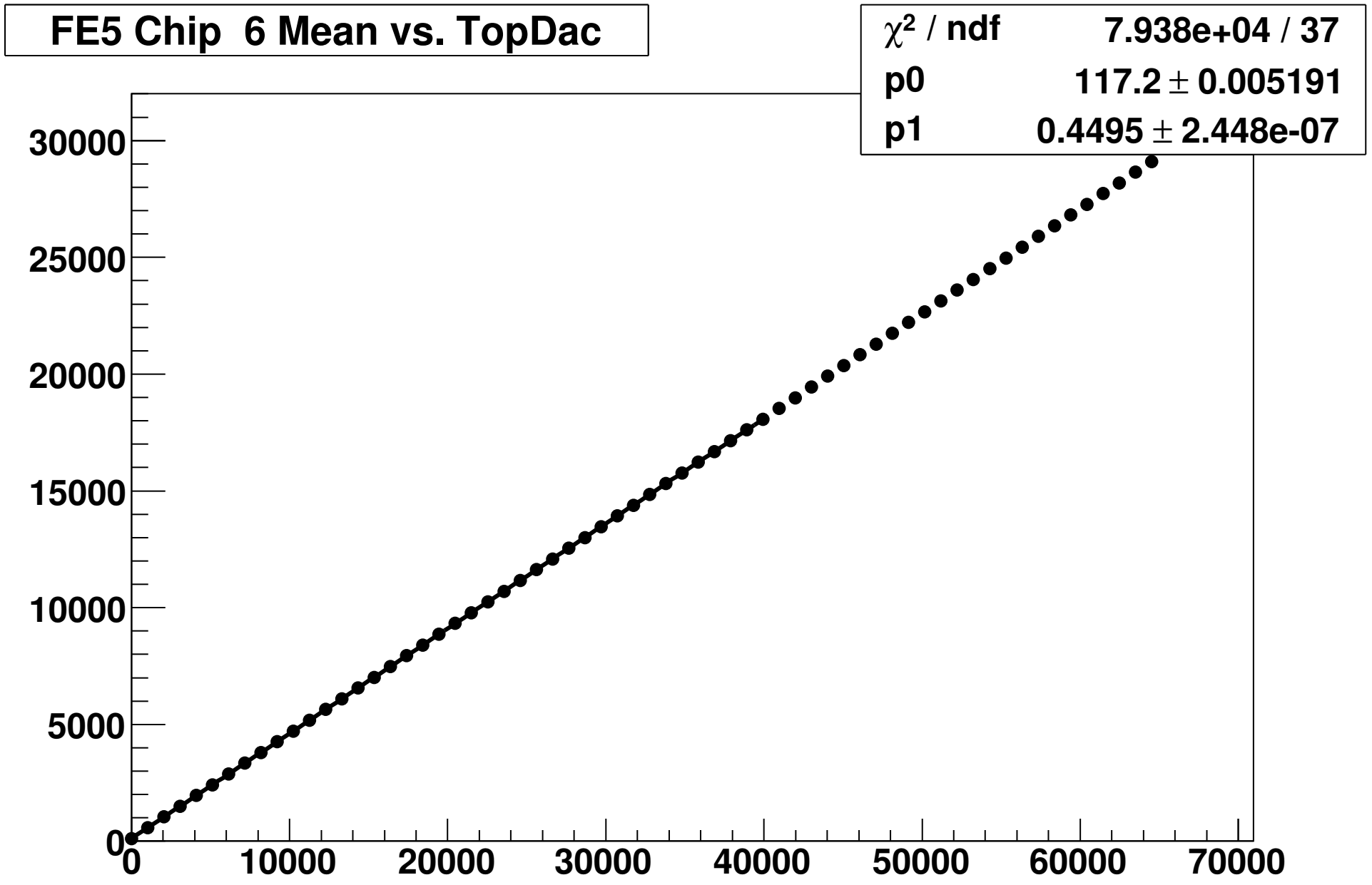
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.938e+04 / 37
p0 117.2 ± 0.005191
p1 0.4495 ± 2.448e-07
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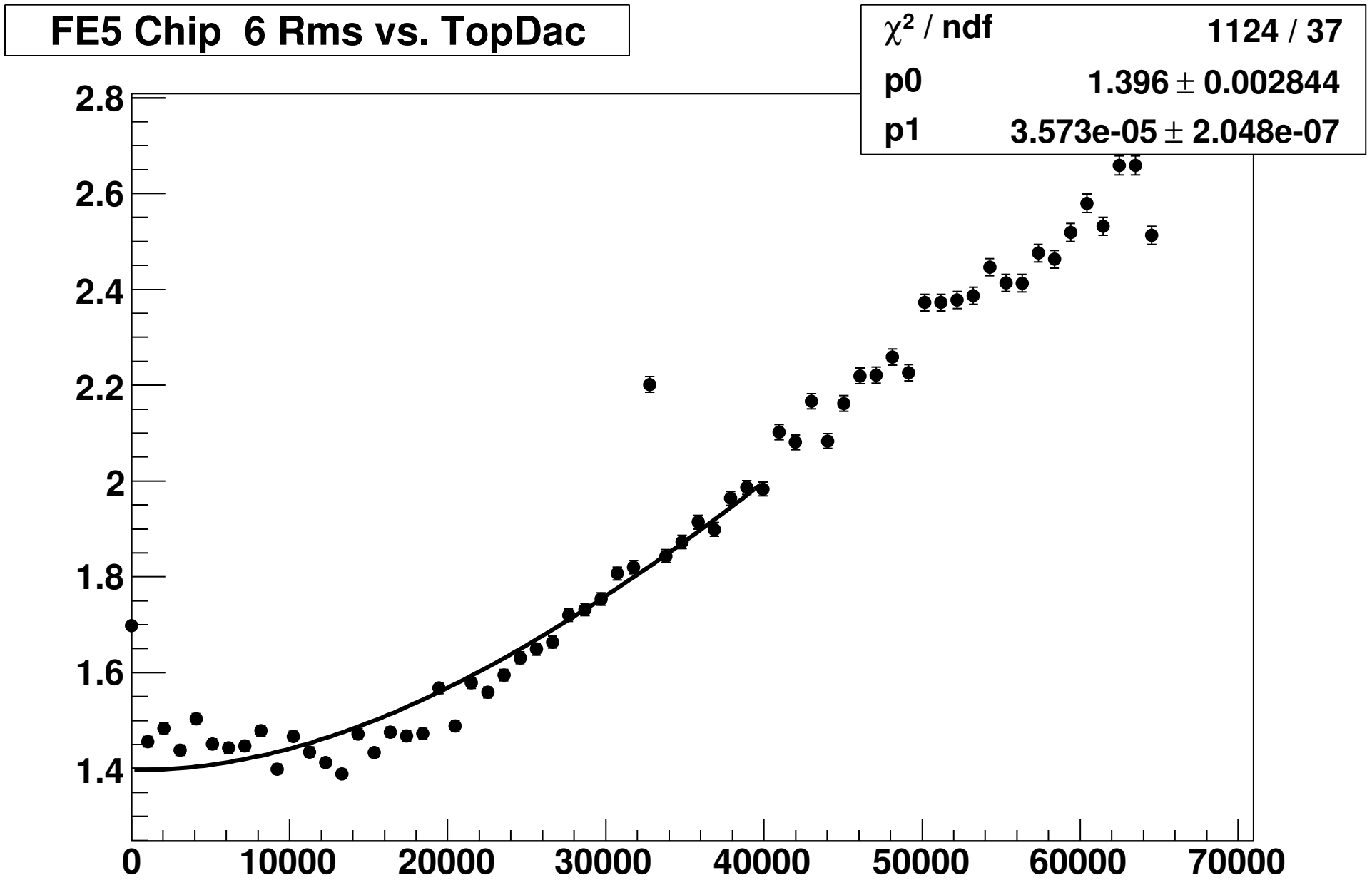
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1124 / 37
p0 1.396 ± 0.002844
p1 3.573e-05 ± 2.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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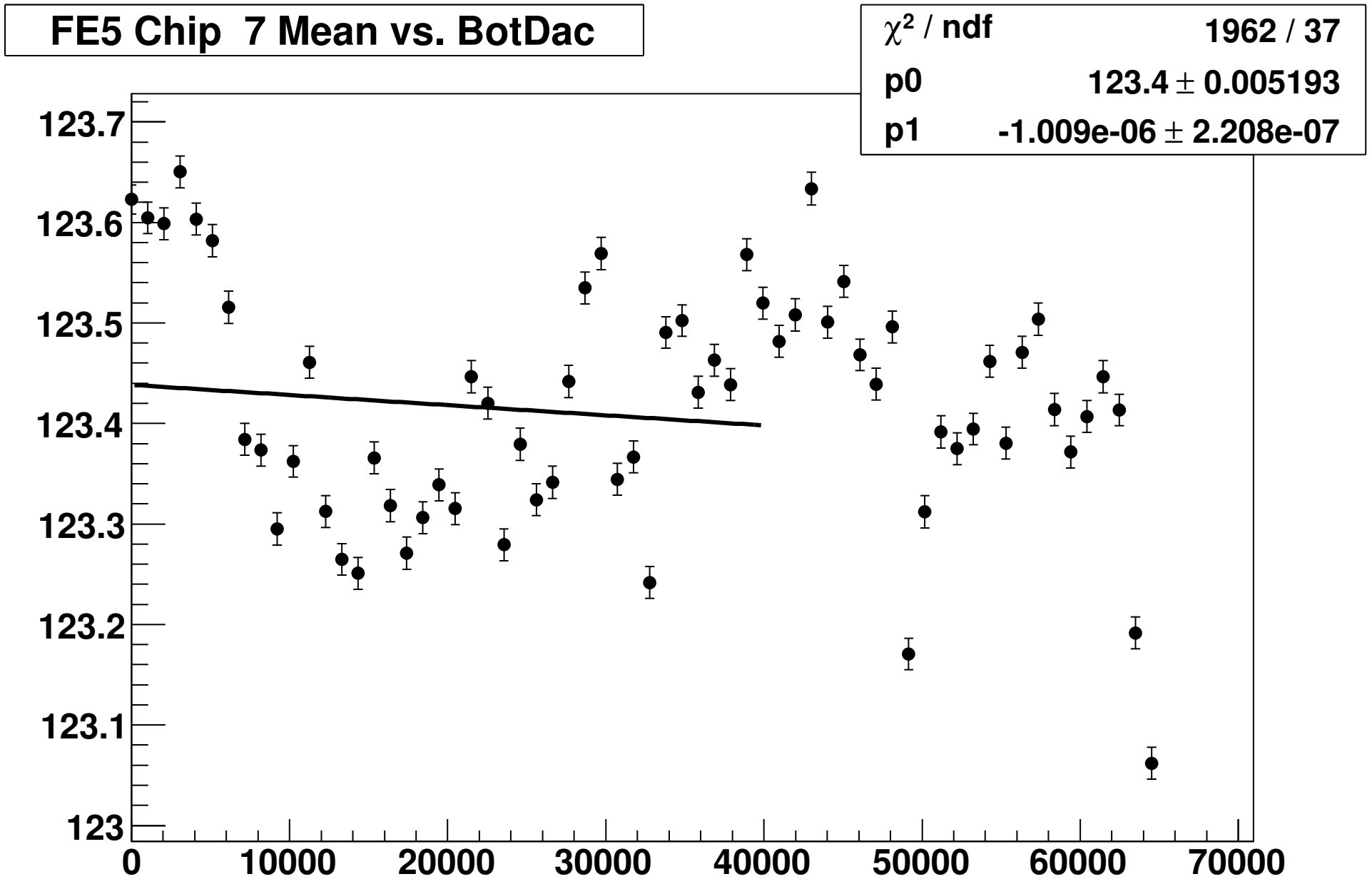
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 1962 / 37
p0 123.4 ± 0.005193
p1 -1.009e-06 ± 2.208e-07
123.7
123.6
123.5
123.4
123.3
123.2
123.1
123
0
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50000
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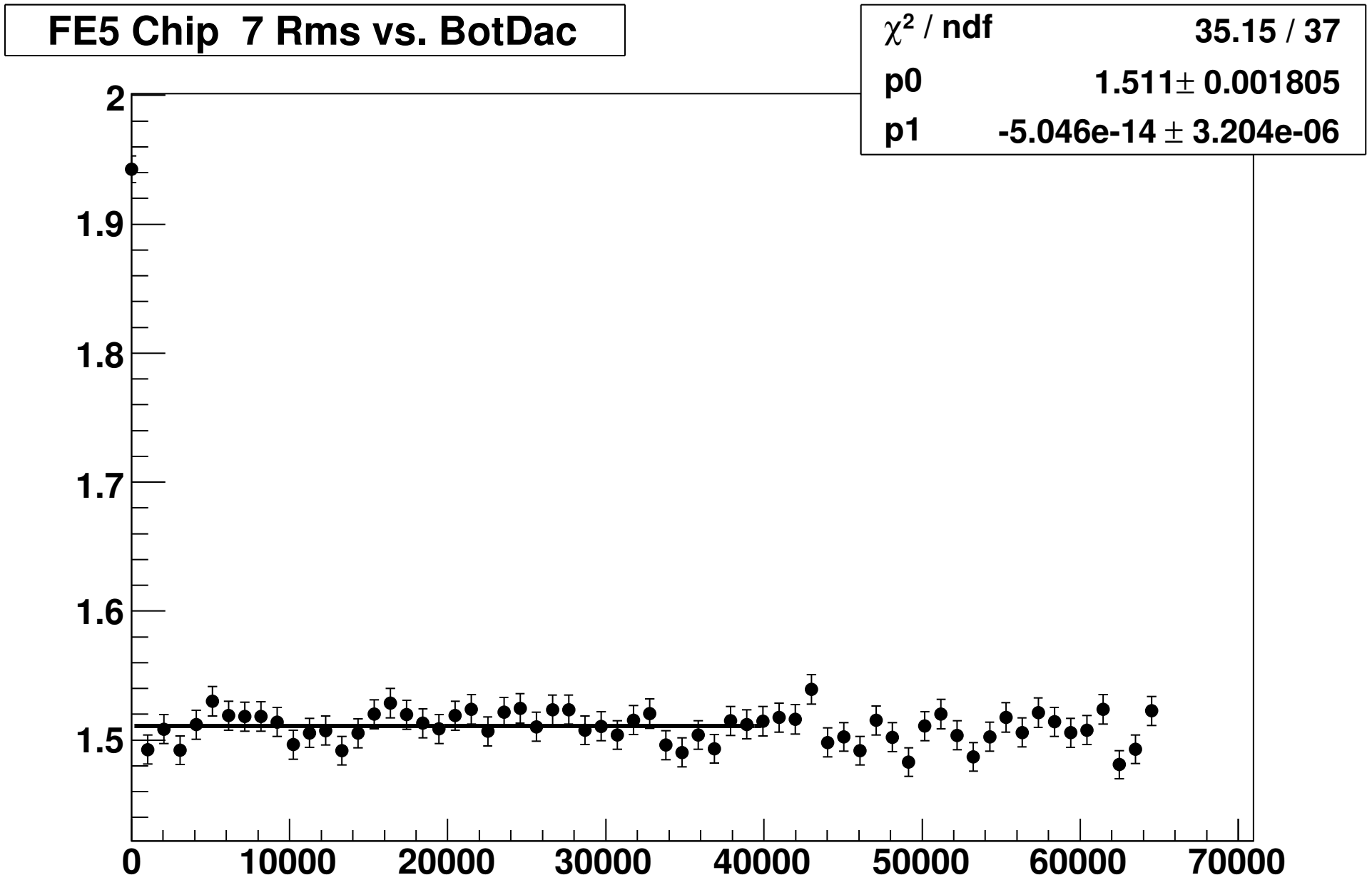
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 35.15 / 37
p0 1.511± 0.001805
p1 -5.046e-14 ± 3.204e-06
2
1.9
1.8
1.7
1.6
1.5
0
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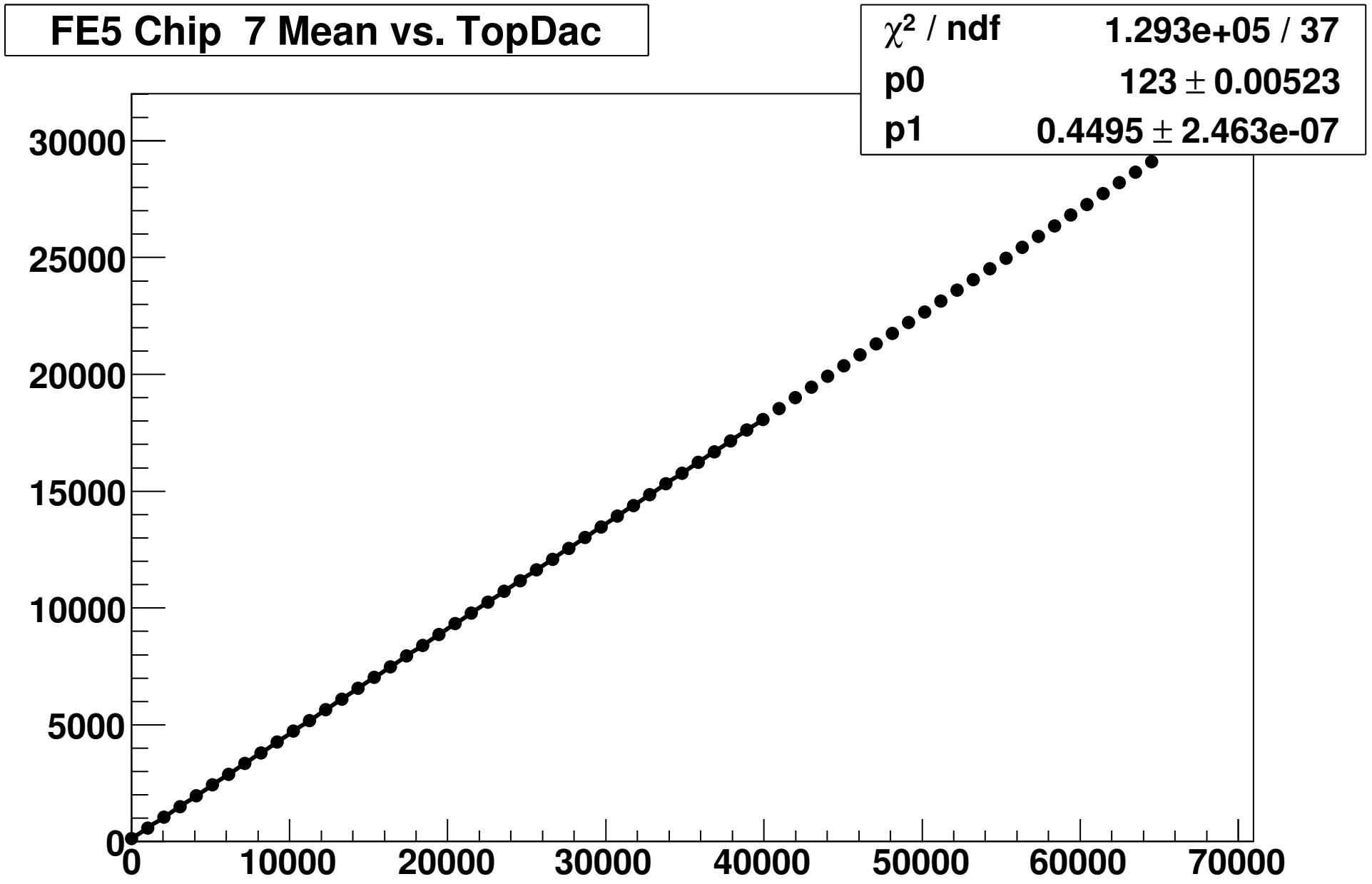
70000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.293e+05 / 37
p0 123 ± 0.00523
p1 0.4495 ± 2.463e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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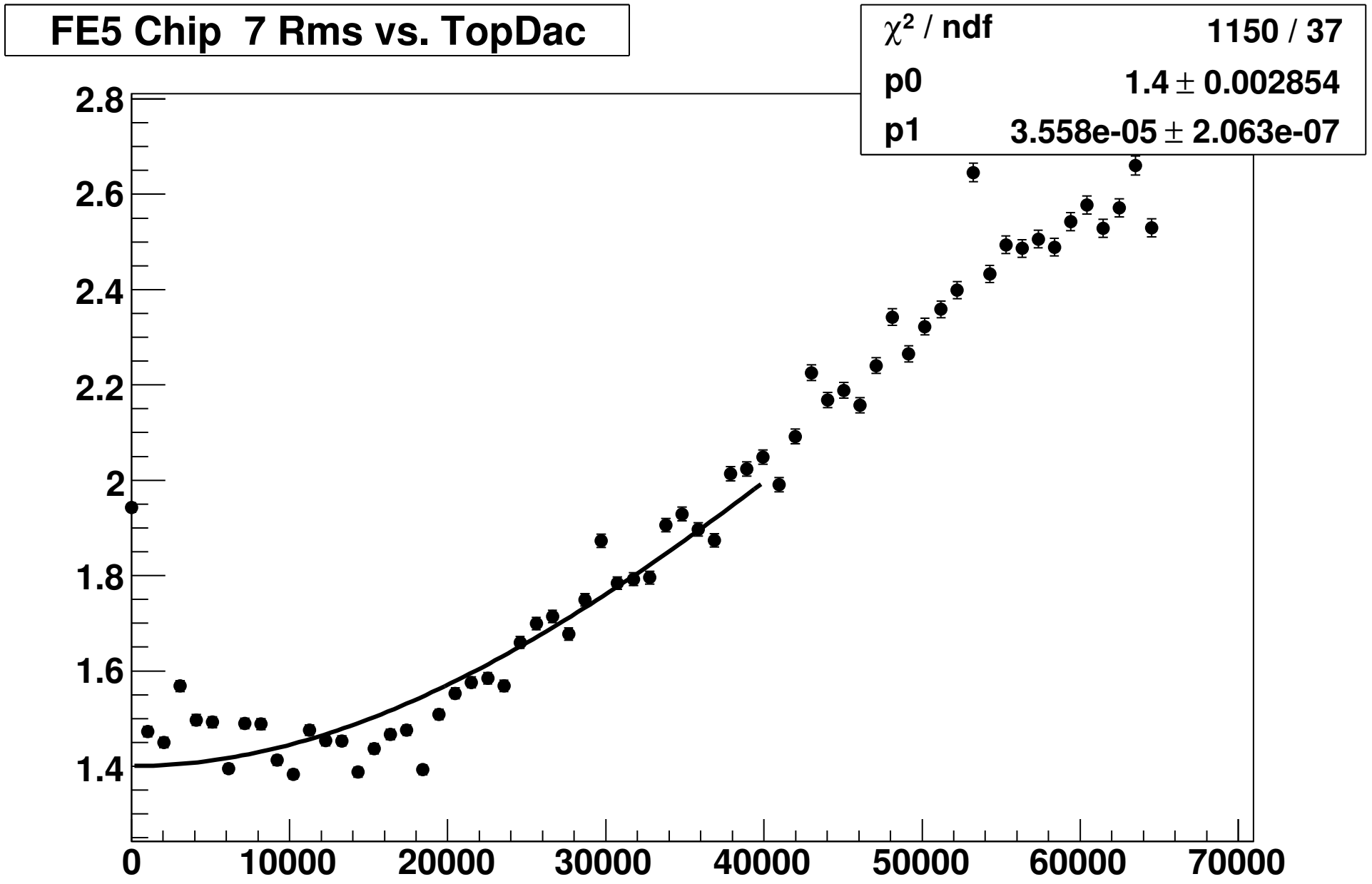
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1150 / 37
p0 1.4 ± 0.002854
p1 3.558e-05 ± 2.063e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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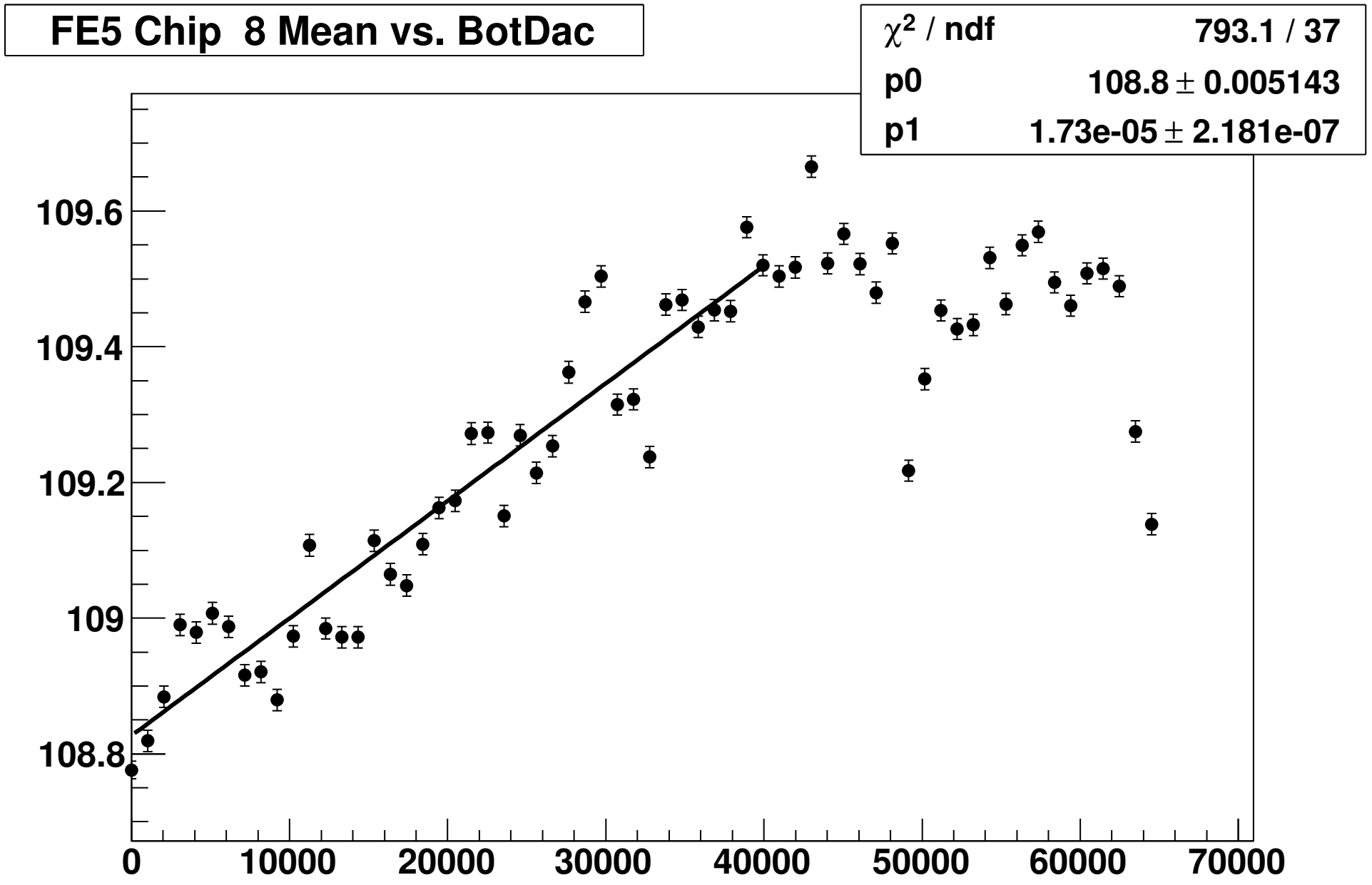
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 793.1 / 37
p0 108.8 ± 0.005143
p1 1.73e-05 ± 2.181e-07
109.6
109.4
109.2
109
108.8
0
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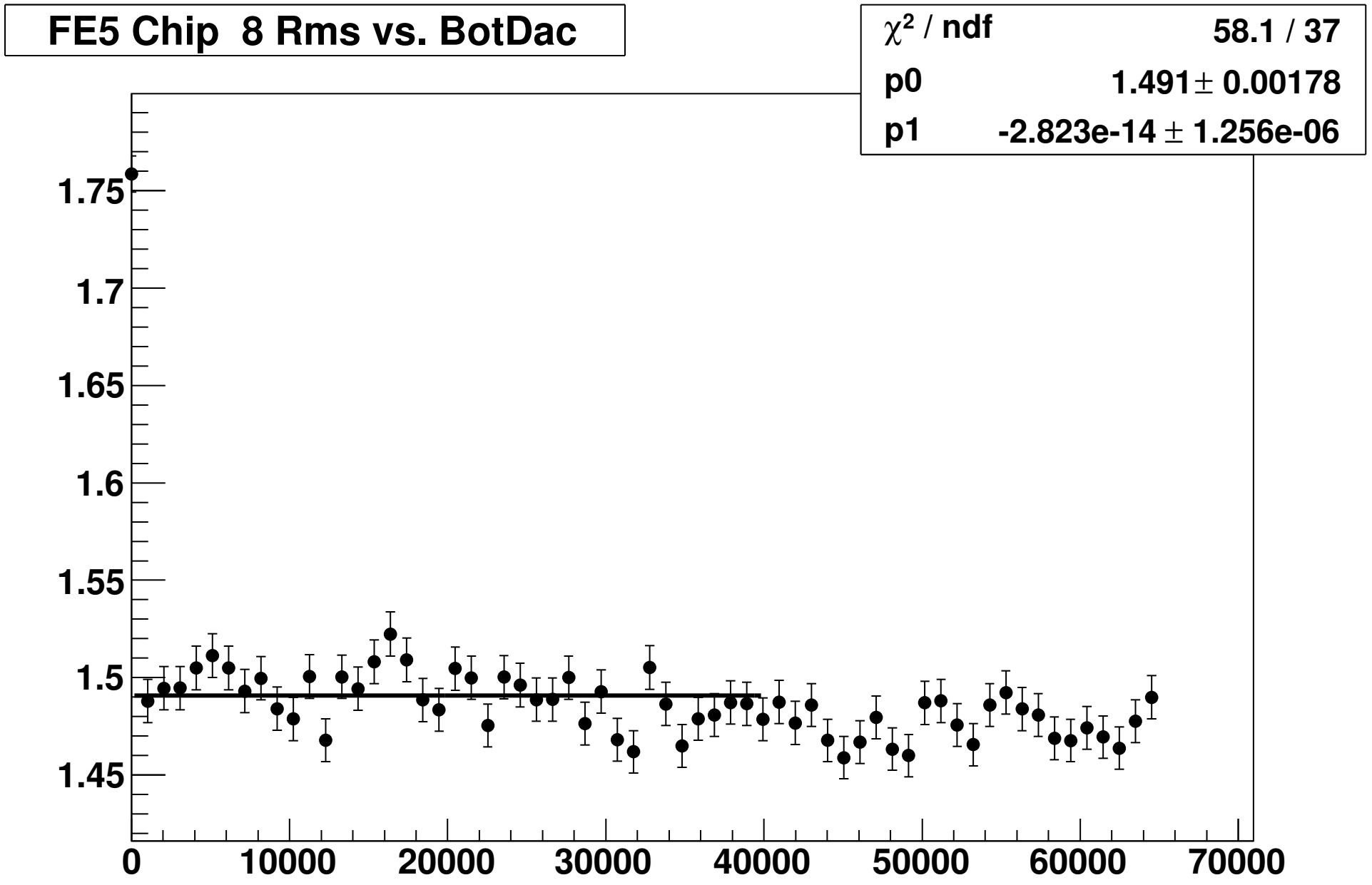
FE5 Chip 8 Rms vs. BotDac
χ² / ndf 58.1 / 37
p0 1.491 ± 0.00178
p1 -2.823e-14 ± 1.256e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
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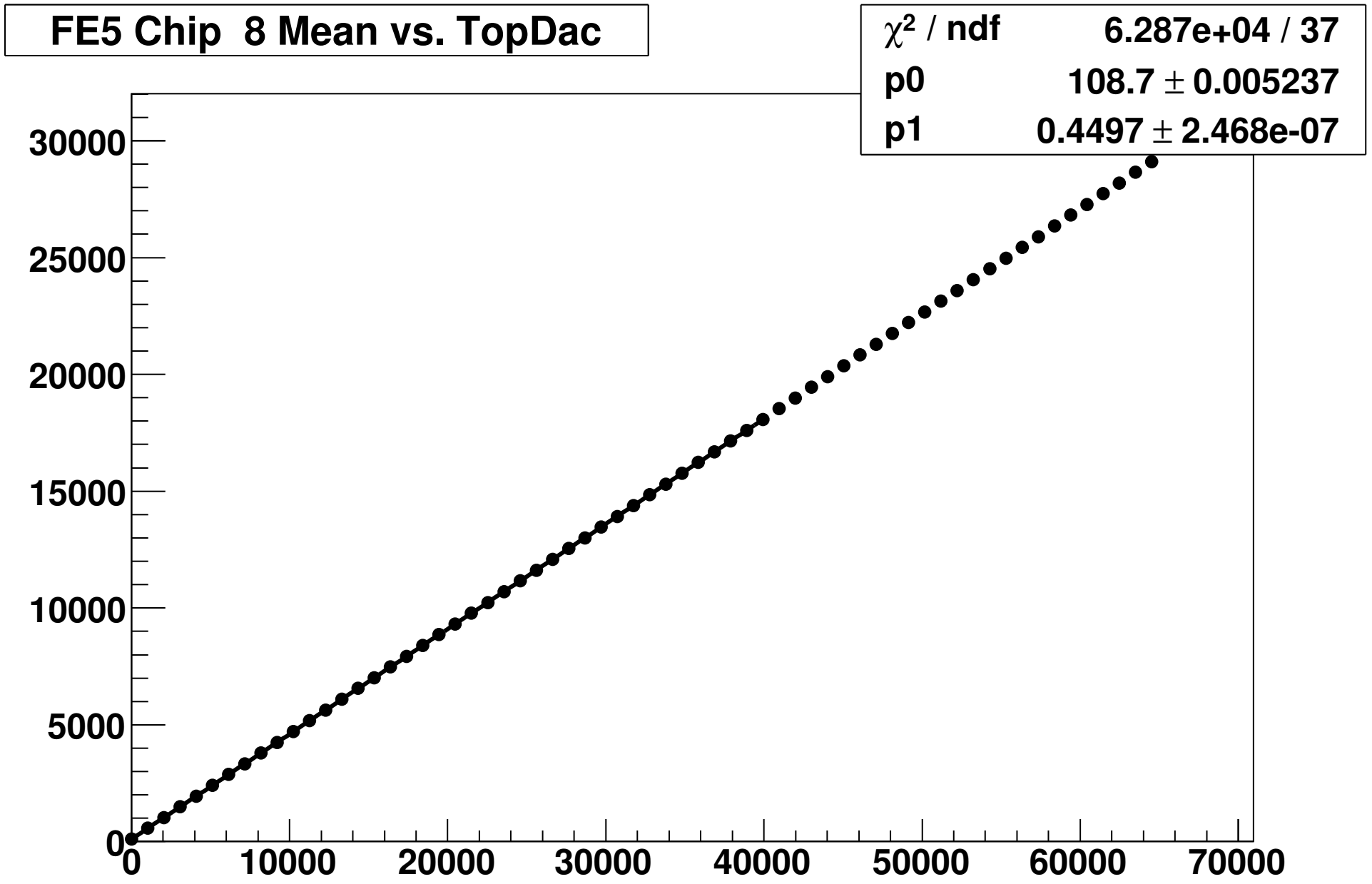
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 6.287e+04 / 37
p0 108.7 ± 0.005237
p1 0.4497 ± 2.468e-07
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15000
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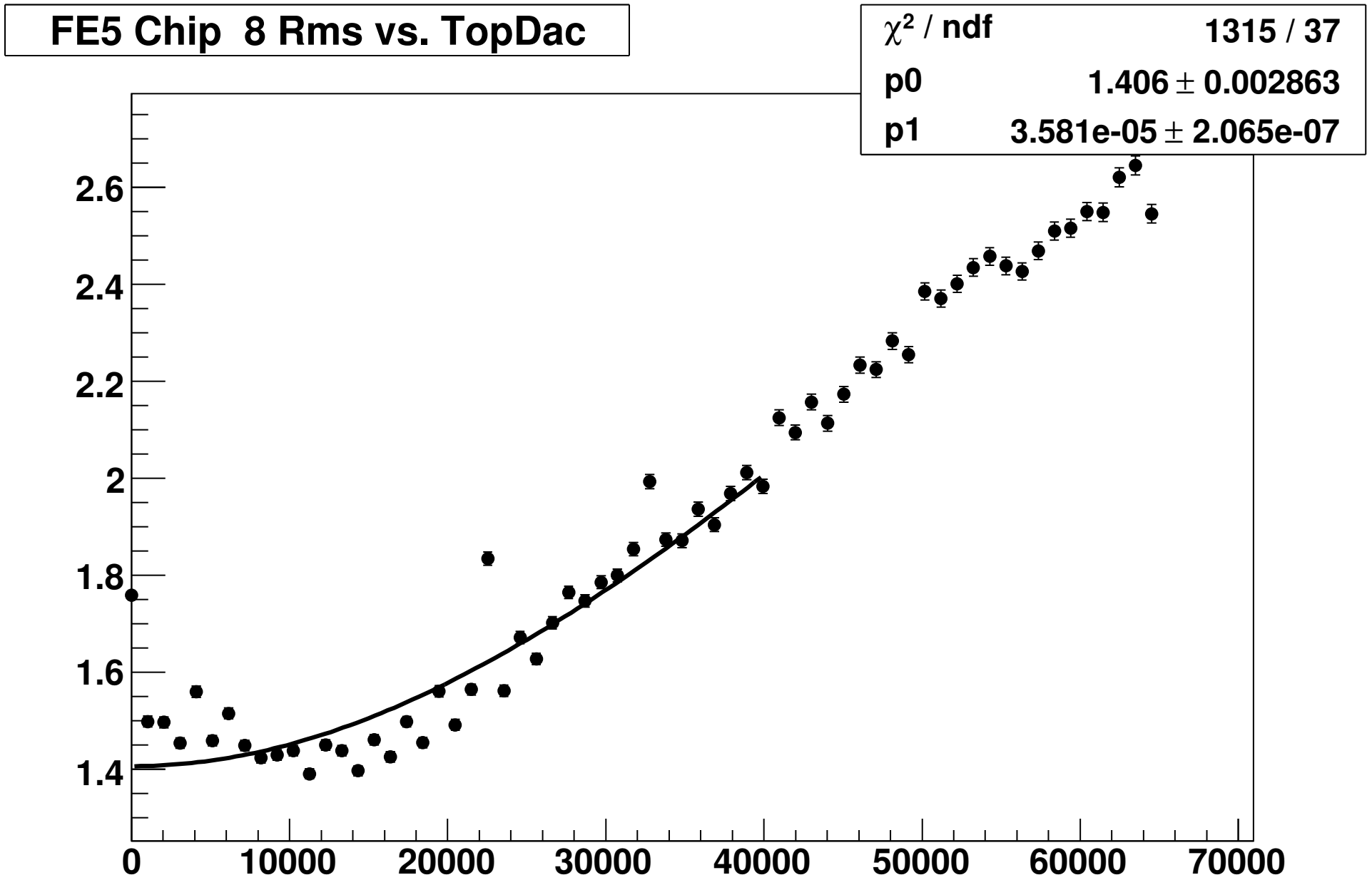
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1315 / 37
p0 1.406 ± 0.002863
p1 3.581e-05 ± 2.065e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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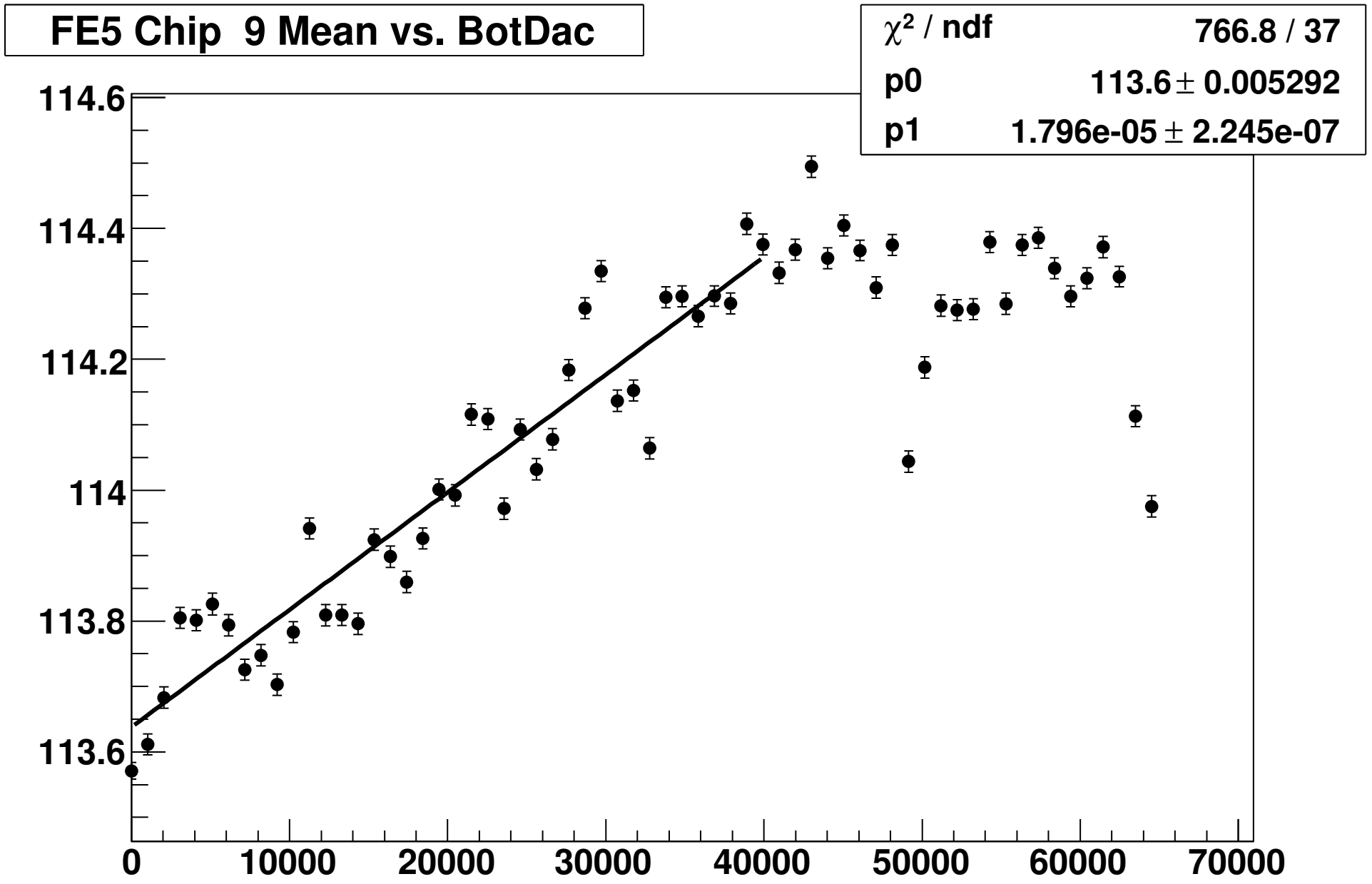
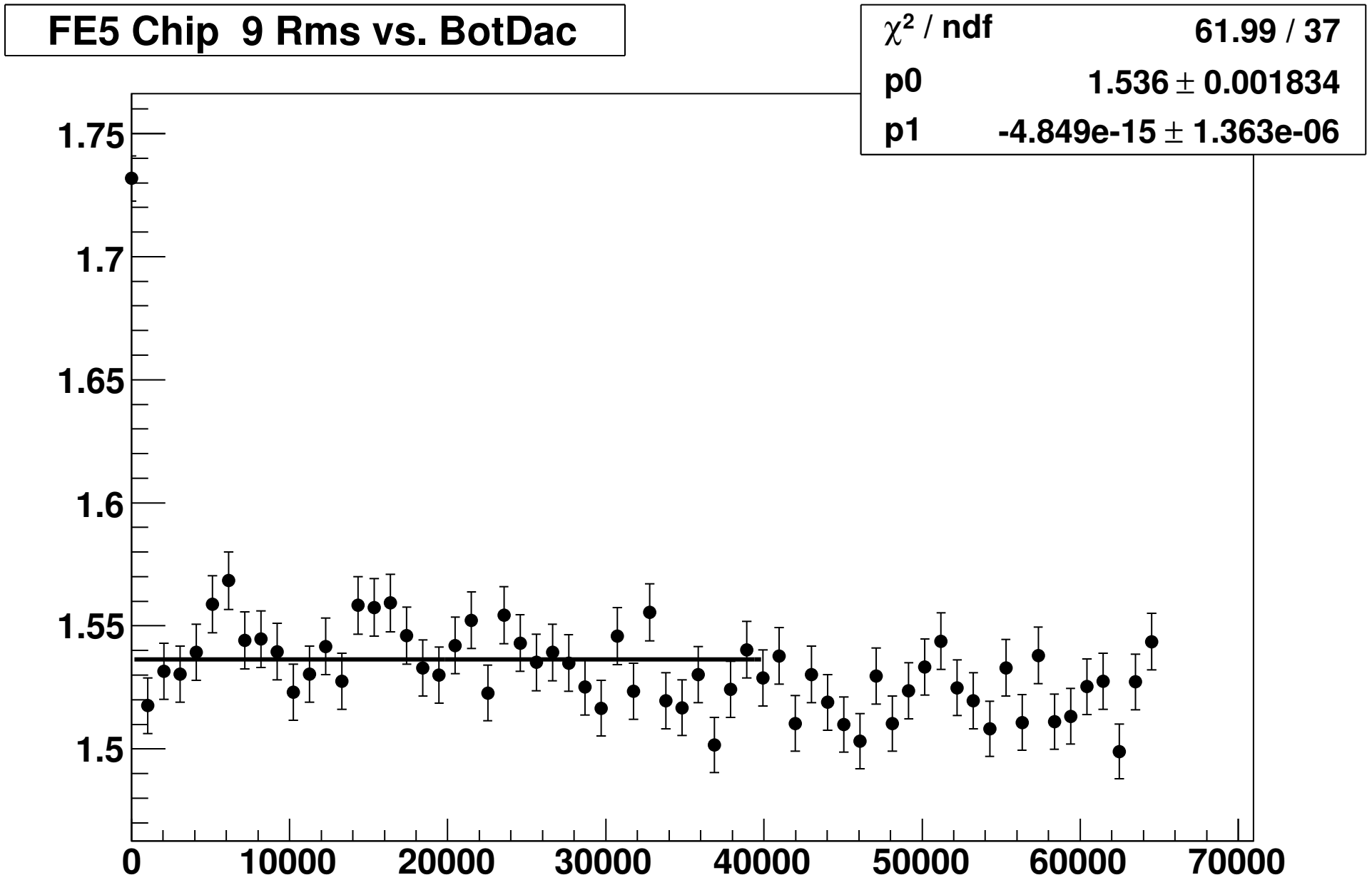

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 766.8 / 37
p0 113.6 ± 0.005292
p1 1.796e-05 ± 2.245e-07
114.6
114.4
114.2
114
113.8
113.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 61.99 / 37
p0 1.536 ± 0.001834
p1 -4.849e-15 ± 1.363e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
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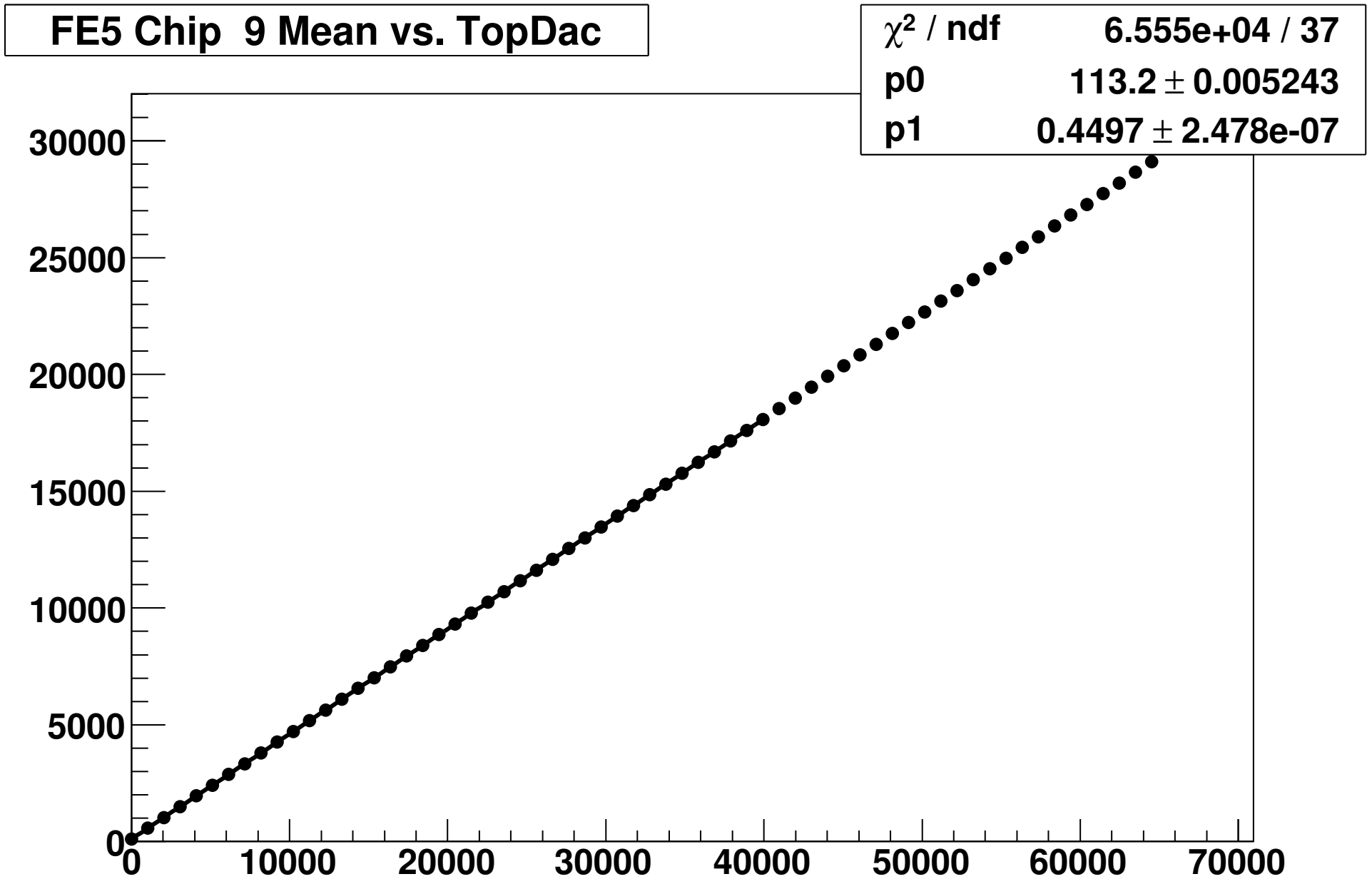
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 6.555e+04 / 37
p0 113.2 ± 0.005243
p1 0.4497 ± 2.478e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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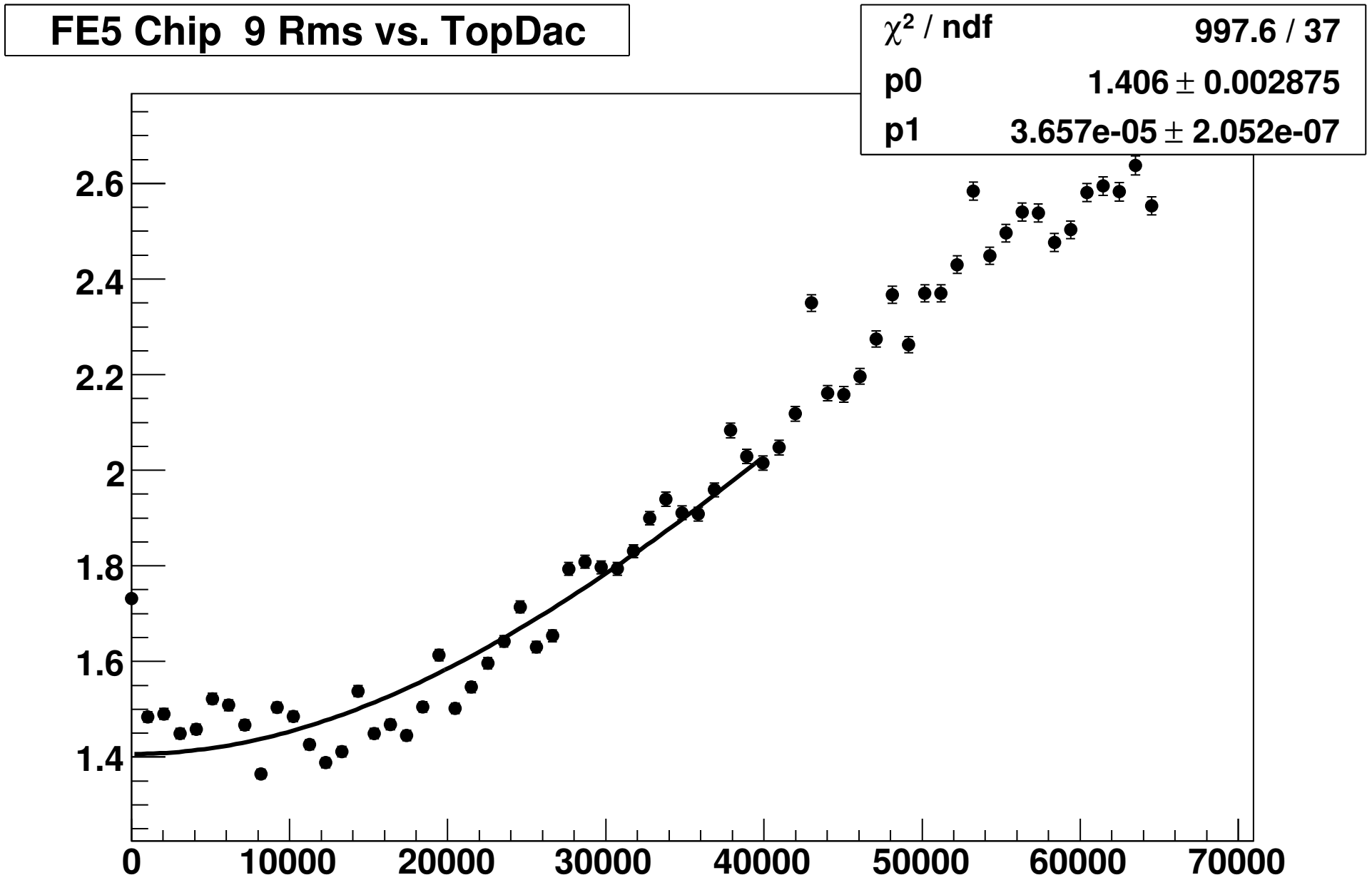
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 997.6 / 37
p0 1.406 ± 0.002875
p1 3.657e-05 ± 2.052e-07
2.6
2.4
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1.8
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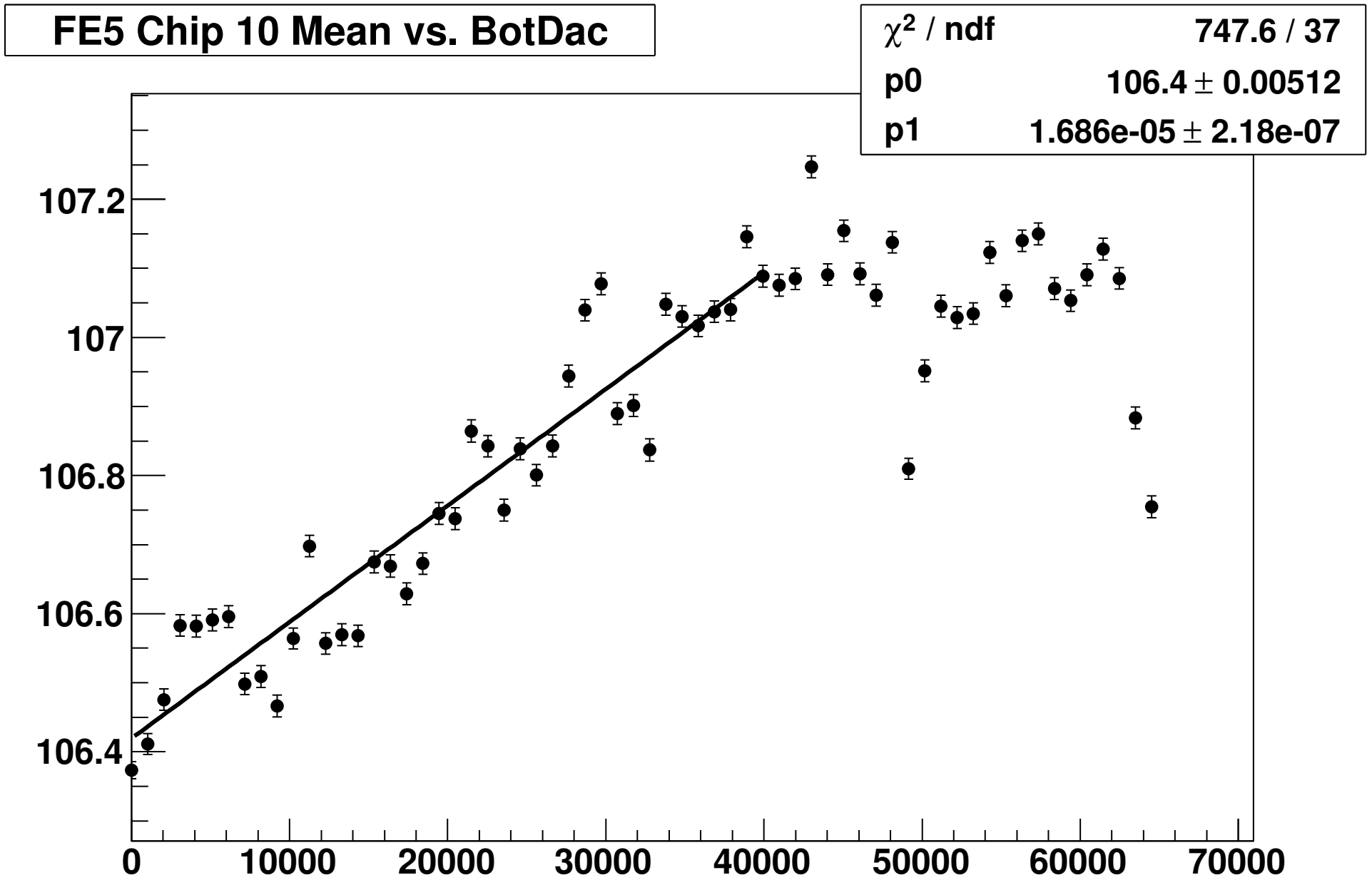
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 747.6 / 37
p0 106.4 ± 0.00512
p1 1.686e-05 ± 2.18e-07
107.2
107
106.8
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106.4
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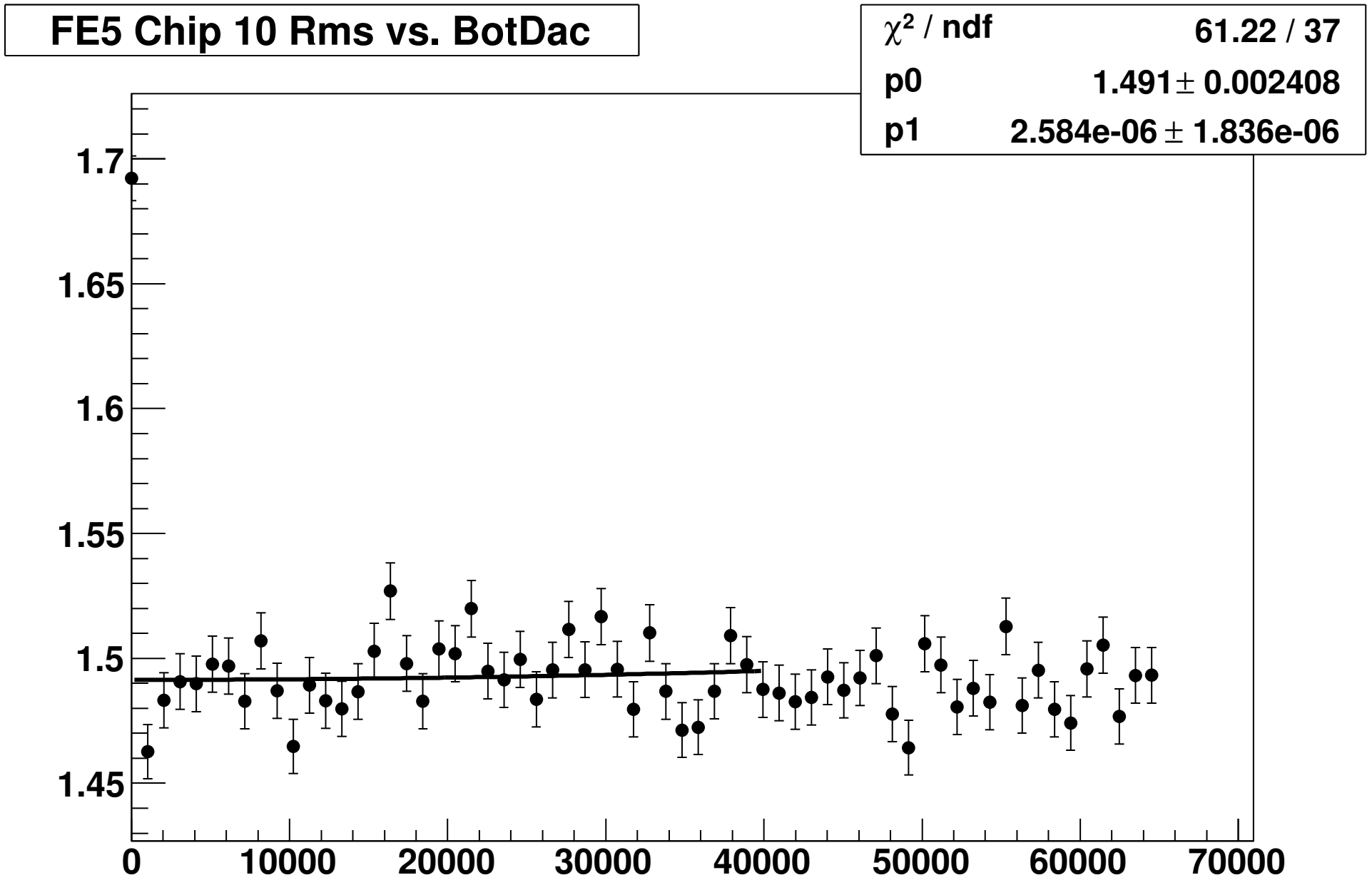
FE5 Chip 10 Rms vs. BotDac
χ² / ndf 61.22 / 37
p0 1.491 ± 0.002408
p1 2.584e-06 ± 1.836e-06
1.7
1.65
1.6
1.55
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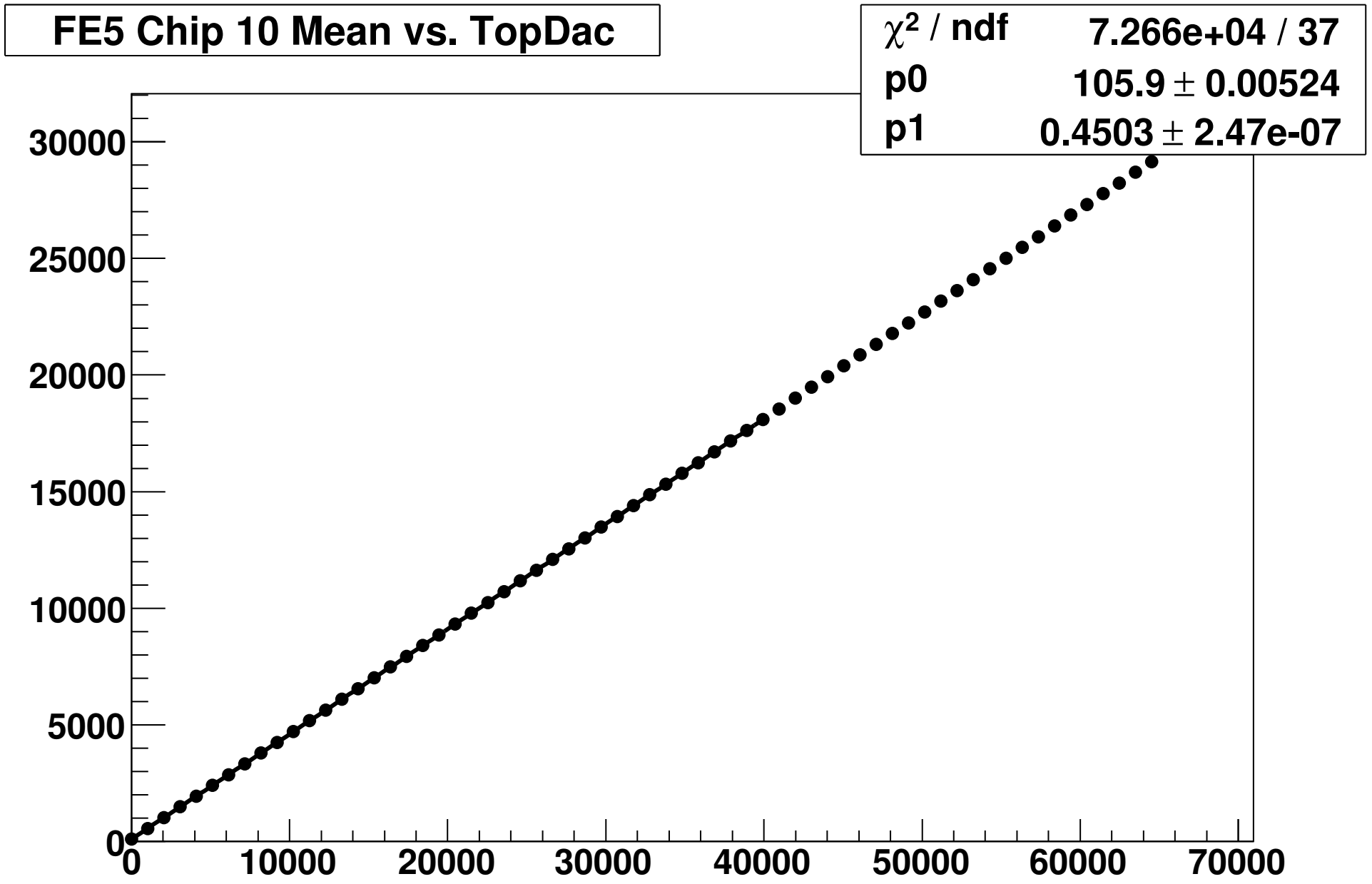
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 7.266e+04 / 37
p0 105.9 ± 0.00524
p1 0.4503 ± 2.47e-07
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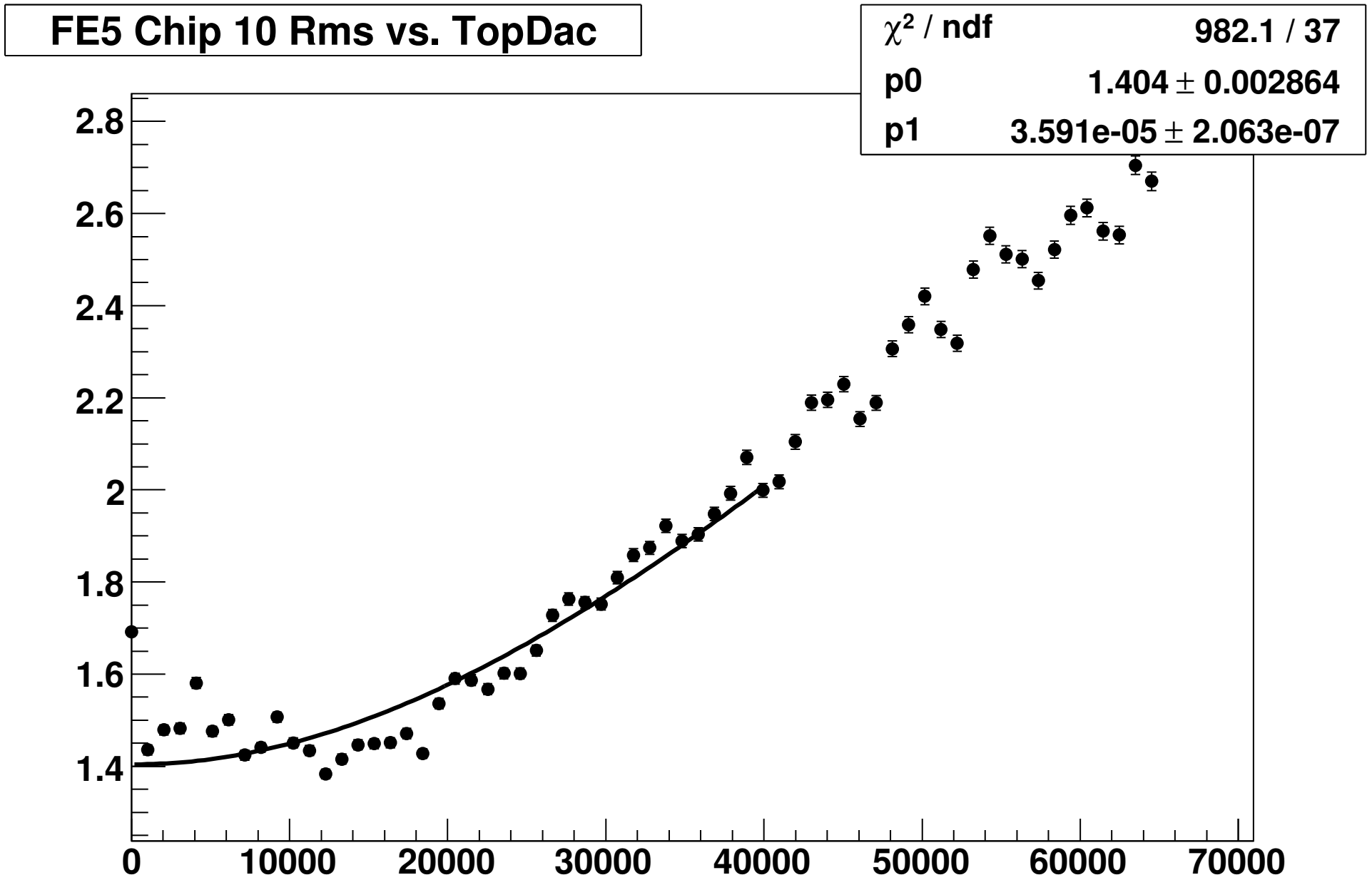
FE5 Chip 10 Rms vs. TopDac
χ² / ndf 982.1 / 37
p0 1.404 ± 0.002864
p1 3.591e-05 ± 2.063e-07
2.8
2.6
2.4
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1.8
1.6
1.4
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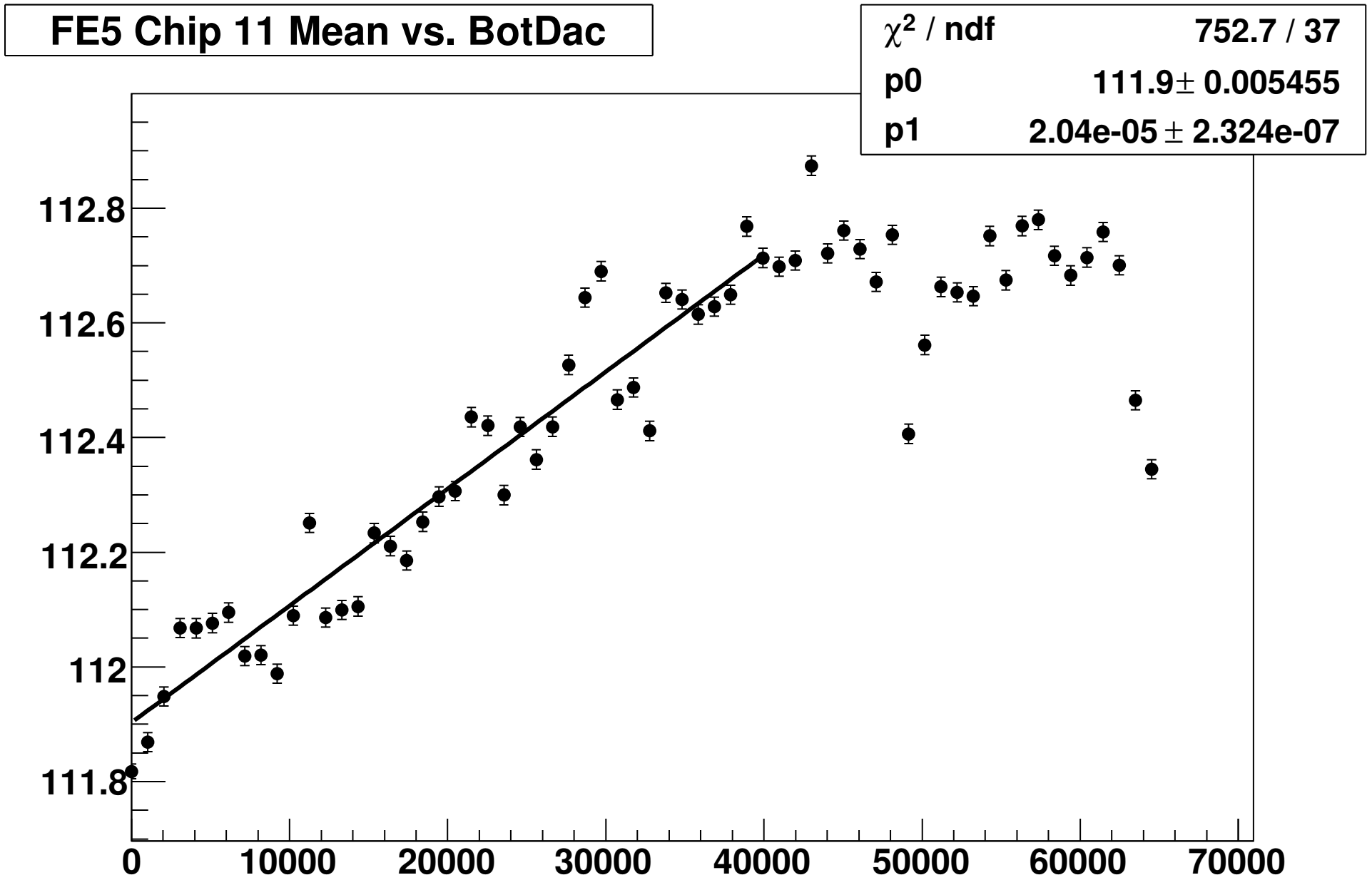
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 752.7 / 37
p0 111.9 ± 0.005455
p1 2.04e-05 ± 2.324e-07
112.8
112.6
112.4
112.2
112
111.8
0
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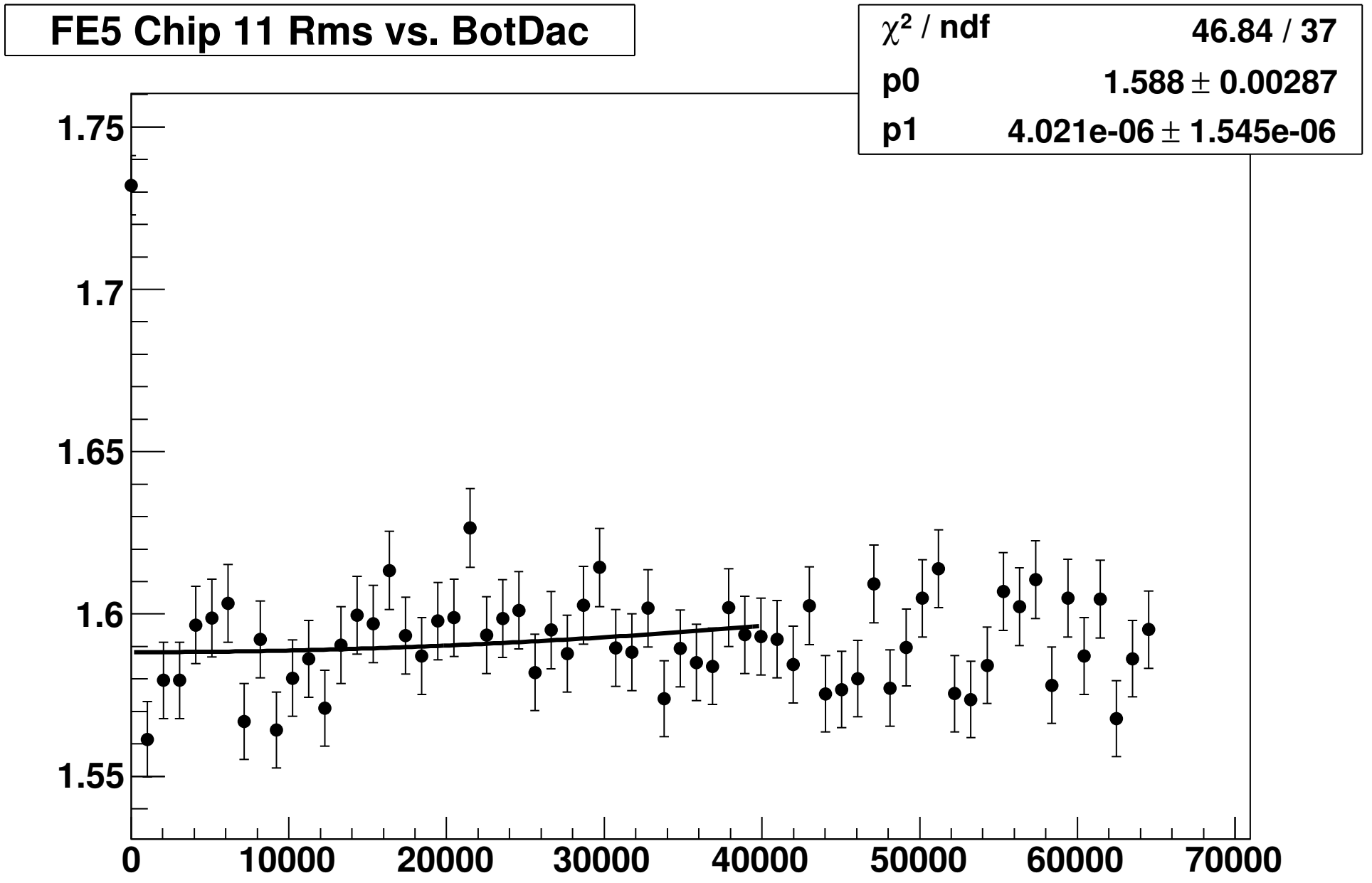
FE5 Chip 11 Rms vs. BotDac
χ² / ndf 46.84 / 37
p0 1.588 ± 0.00287
p1 4.021e-06 ± 1.545e-06
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1.7
1.65
1.6
1.55
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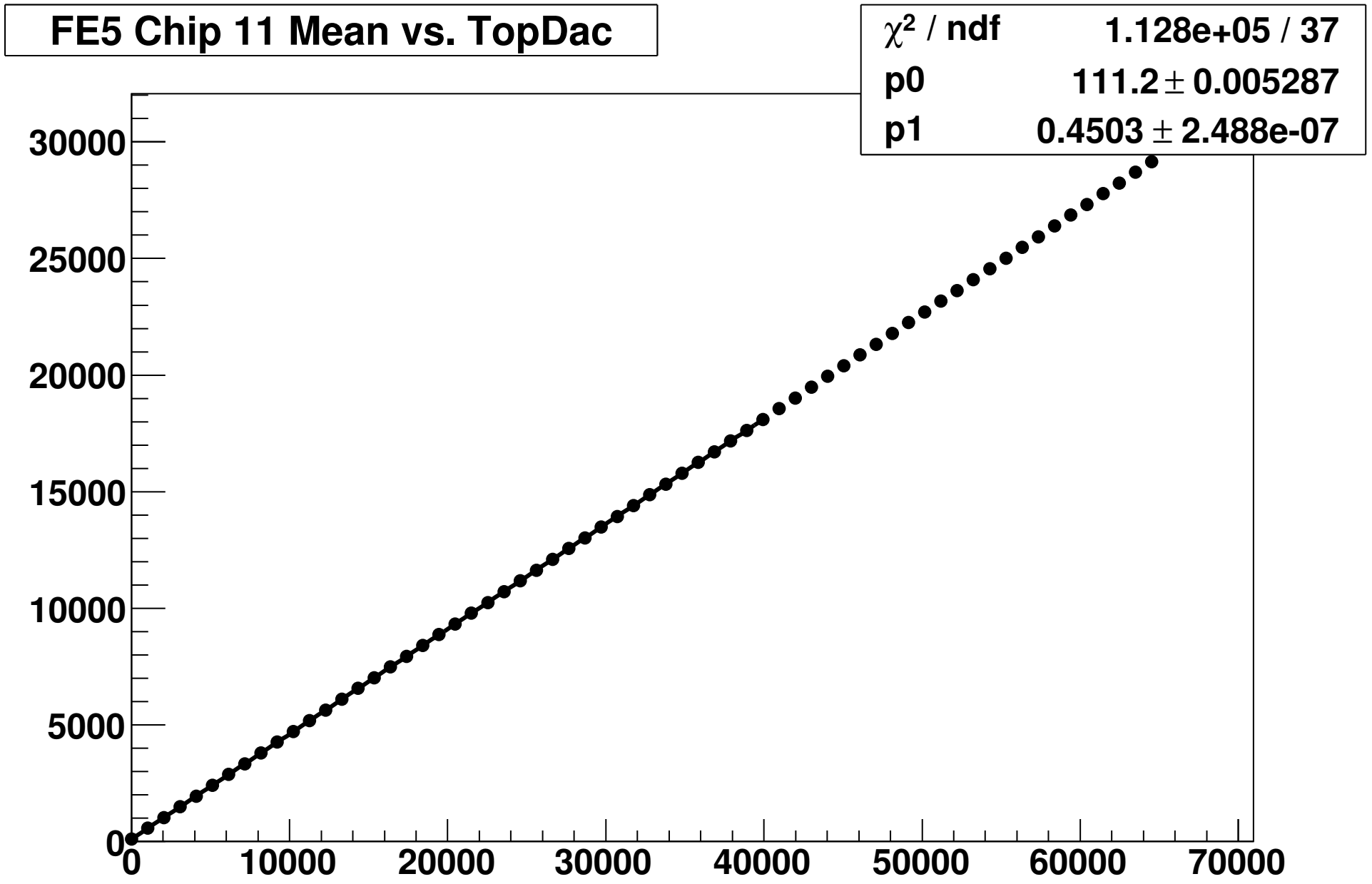
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.128e+05 / 37
p0 111.2 ± 0.005287
p1 0.4503 ± 2.488e-07
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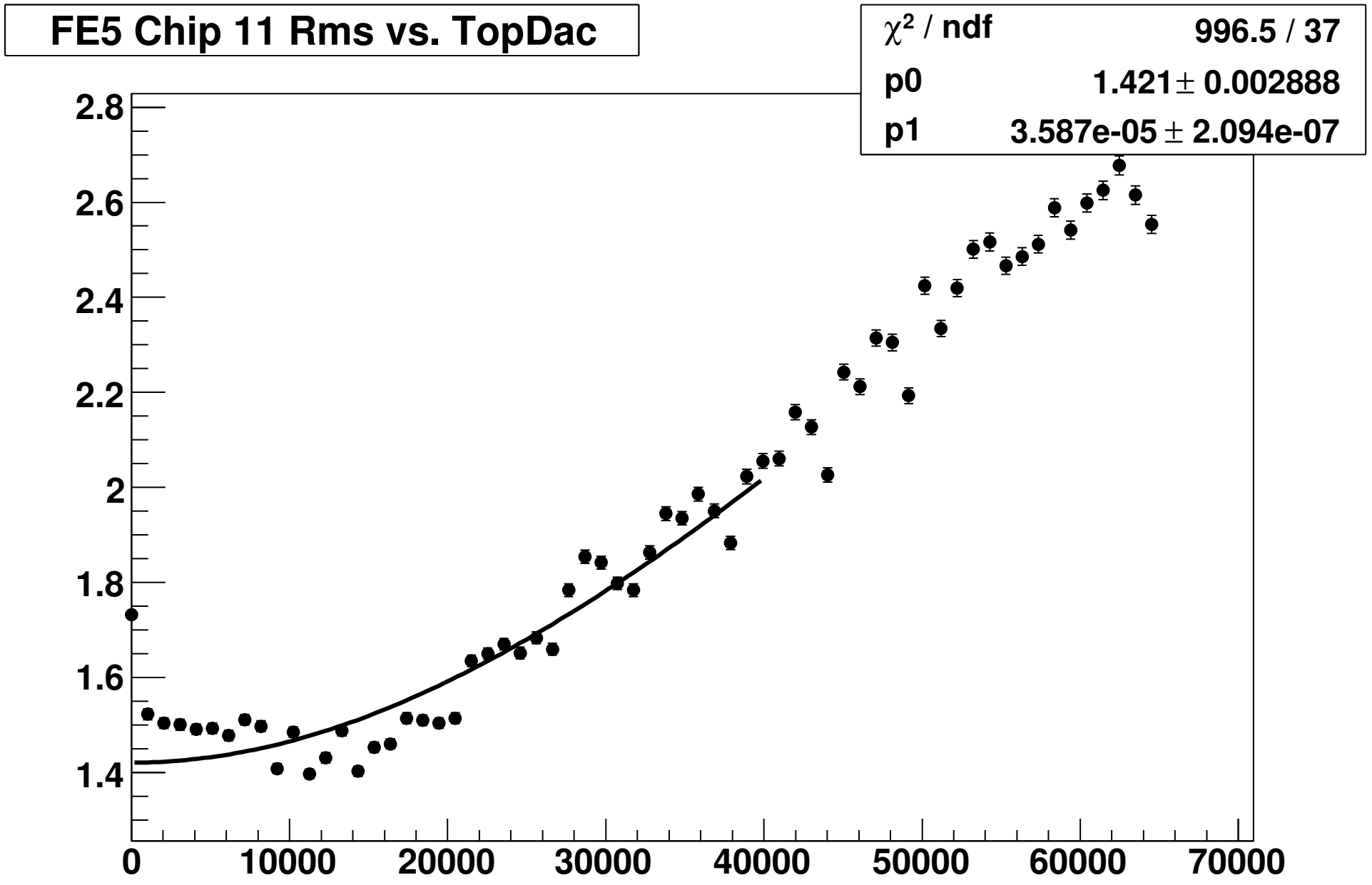
FE5 Chip 11 Rms vs. TopDac
χ² / ndf 996.5 / 37
p0 1.421 ± 0.002888
p1 3.587e-05 ± 2.094e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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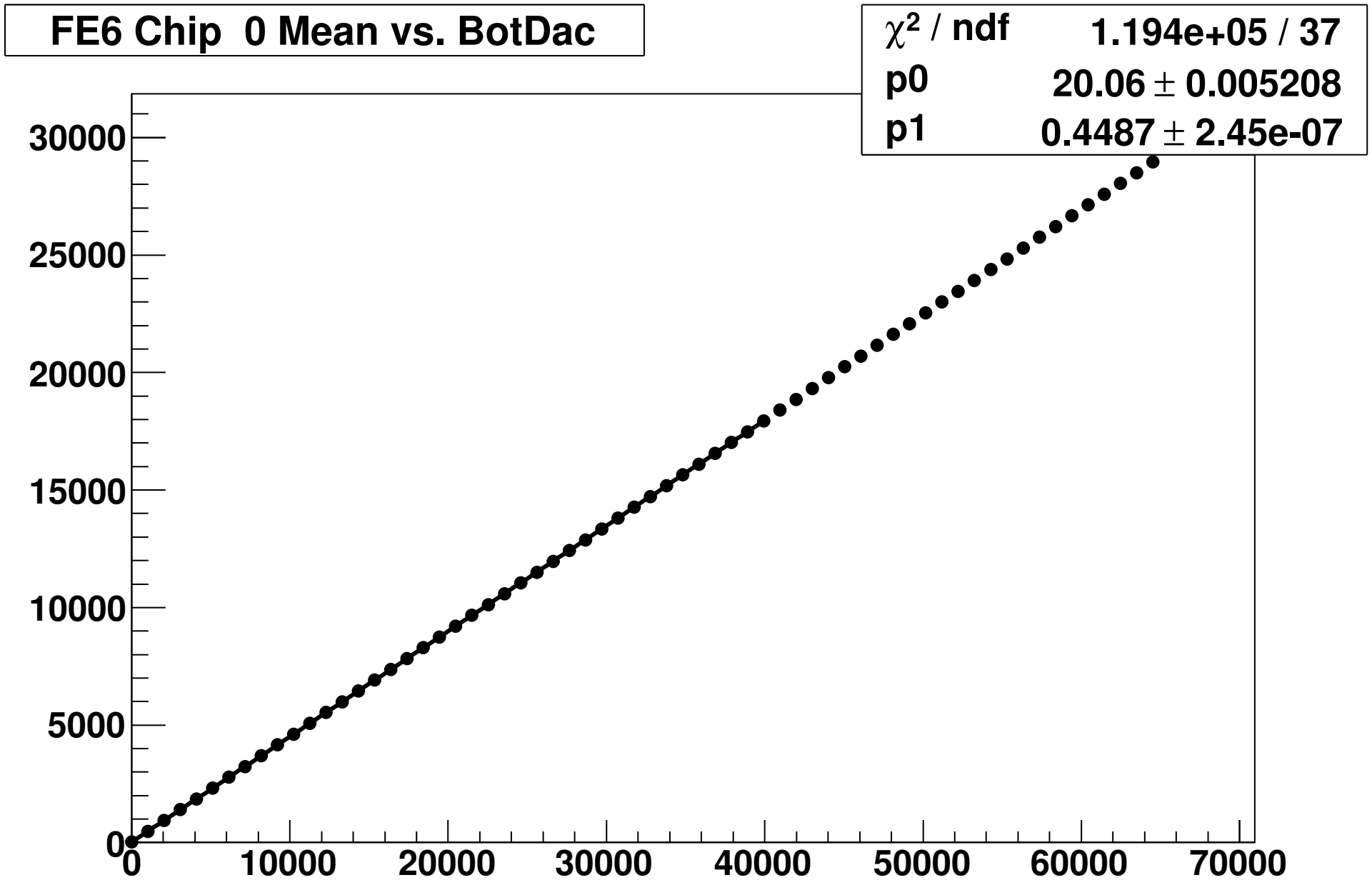
FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.194e+05 / 37
p0 20.06 ± 0.005208
p1 0.4487 ± 2.45e-07
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15000
10000
5000
0
0
10000
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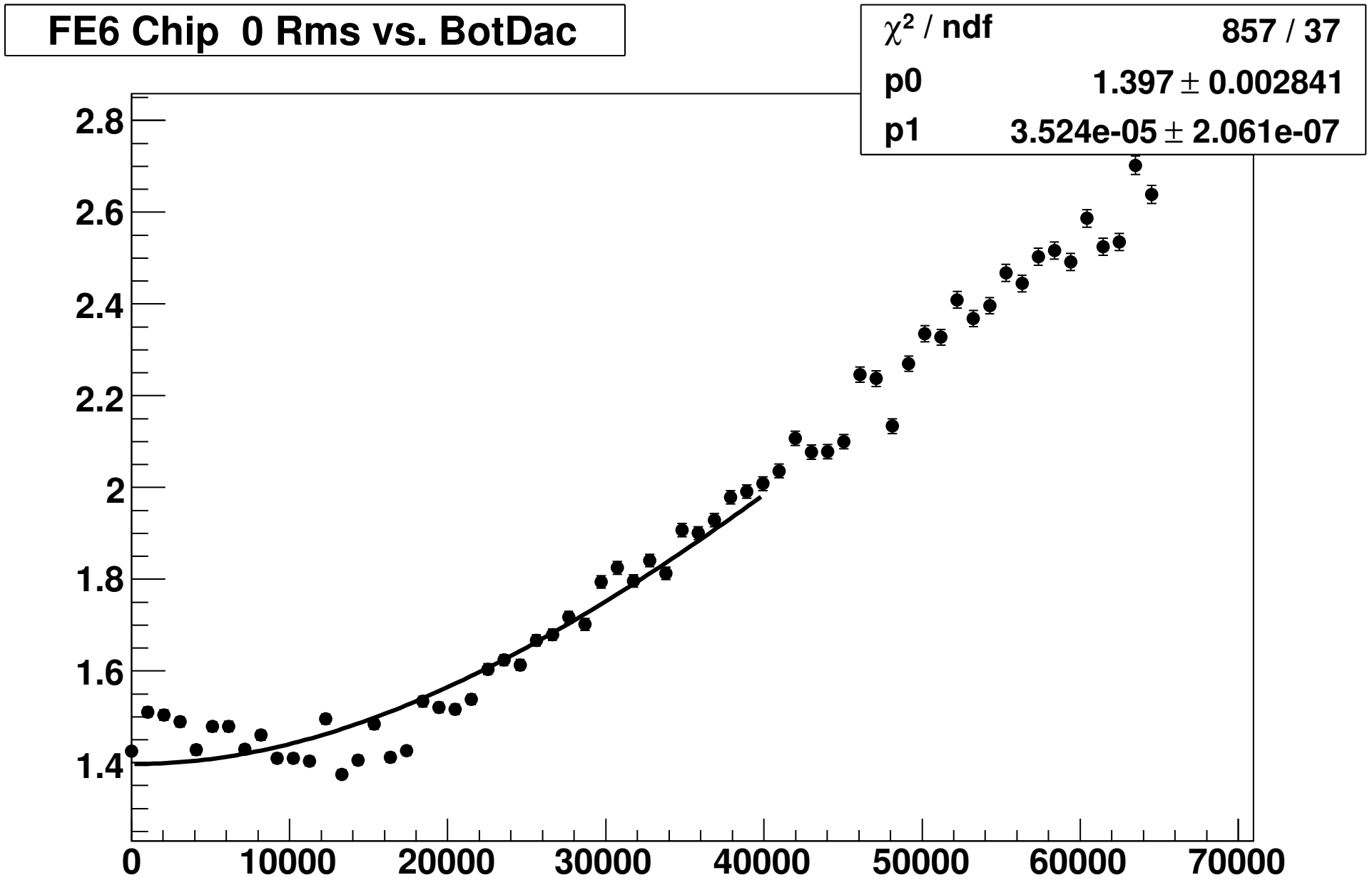
FE6 Chip 0 Rms vs. BotDac
χ² / ndf 857 / 37
p0 1.397 ± 0.002841
p1 3.524e-05 ± 2.061e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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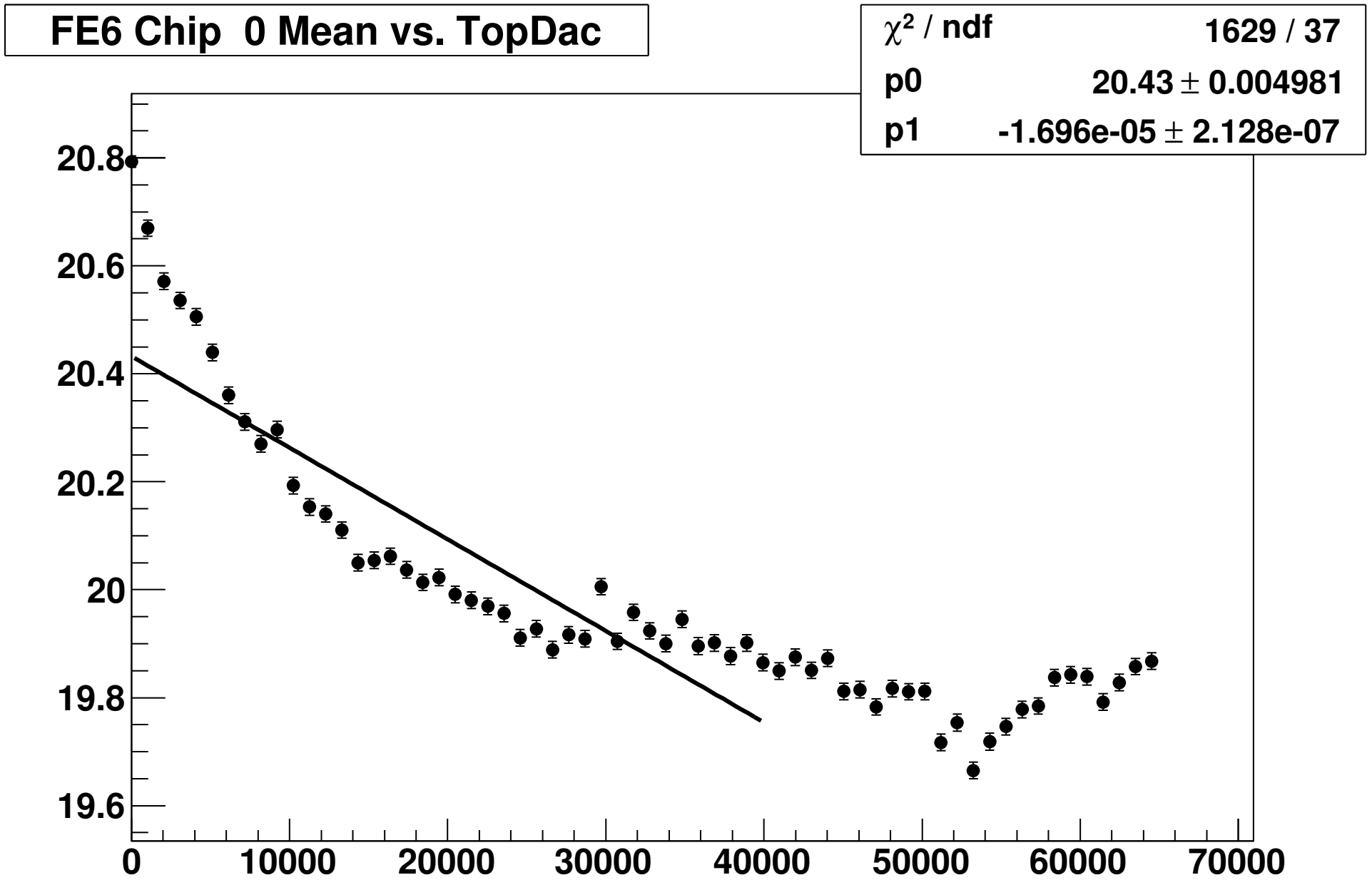
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 1629 / 37
p0 20.43 ± 0.004981
p1 -1.696e-05 ± 2.128e-07
20.8
20.6
20.4
20.2
20
19.8
19.6
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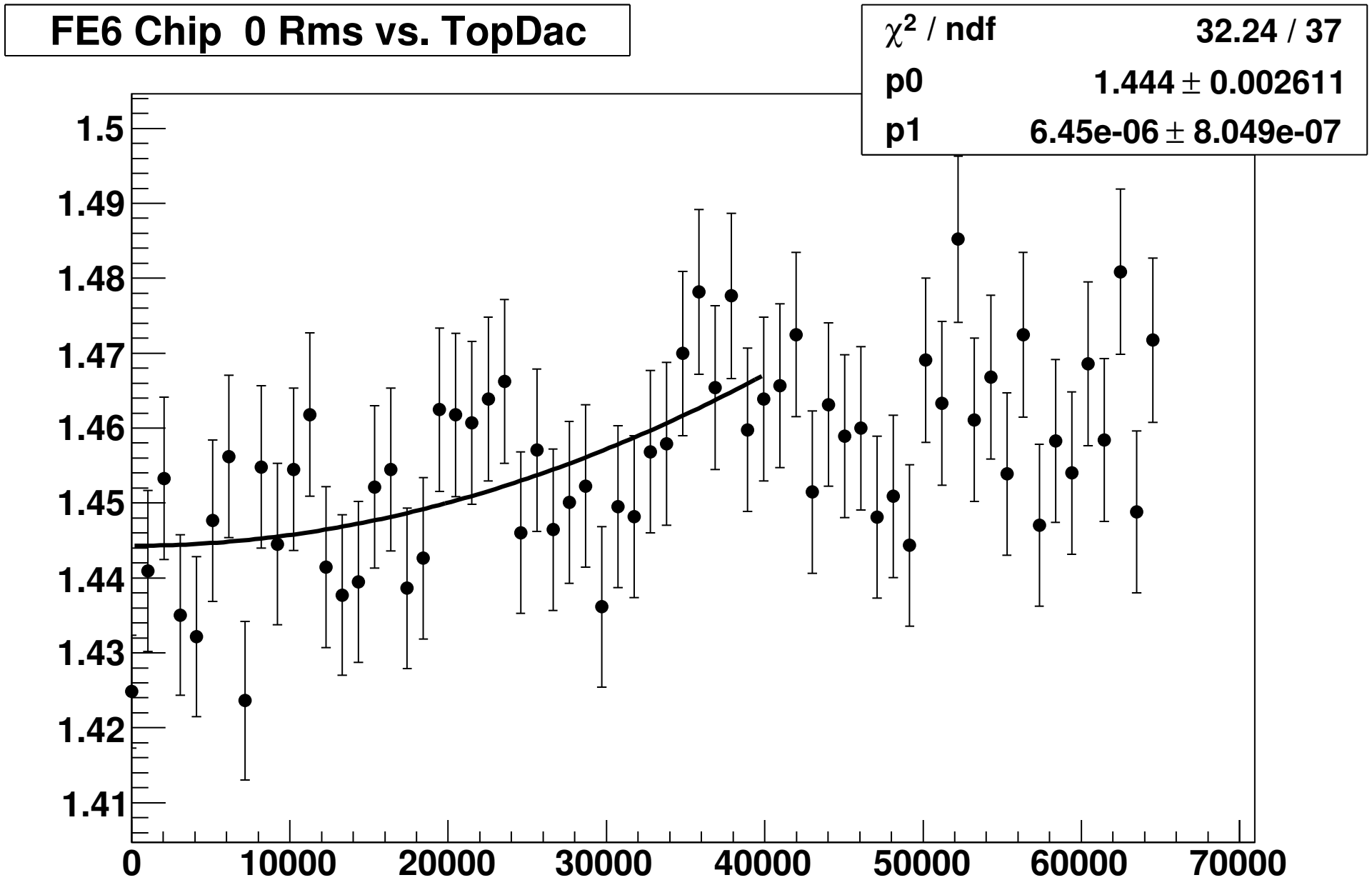
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 32.24 / 37
p0 1.444 ± 0.002611
p1 6.45e-06 ± 8.049e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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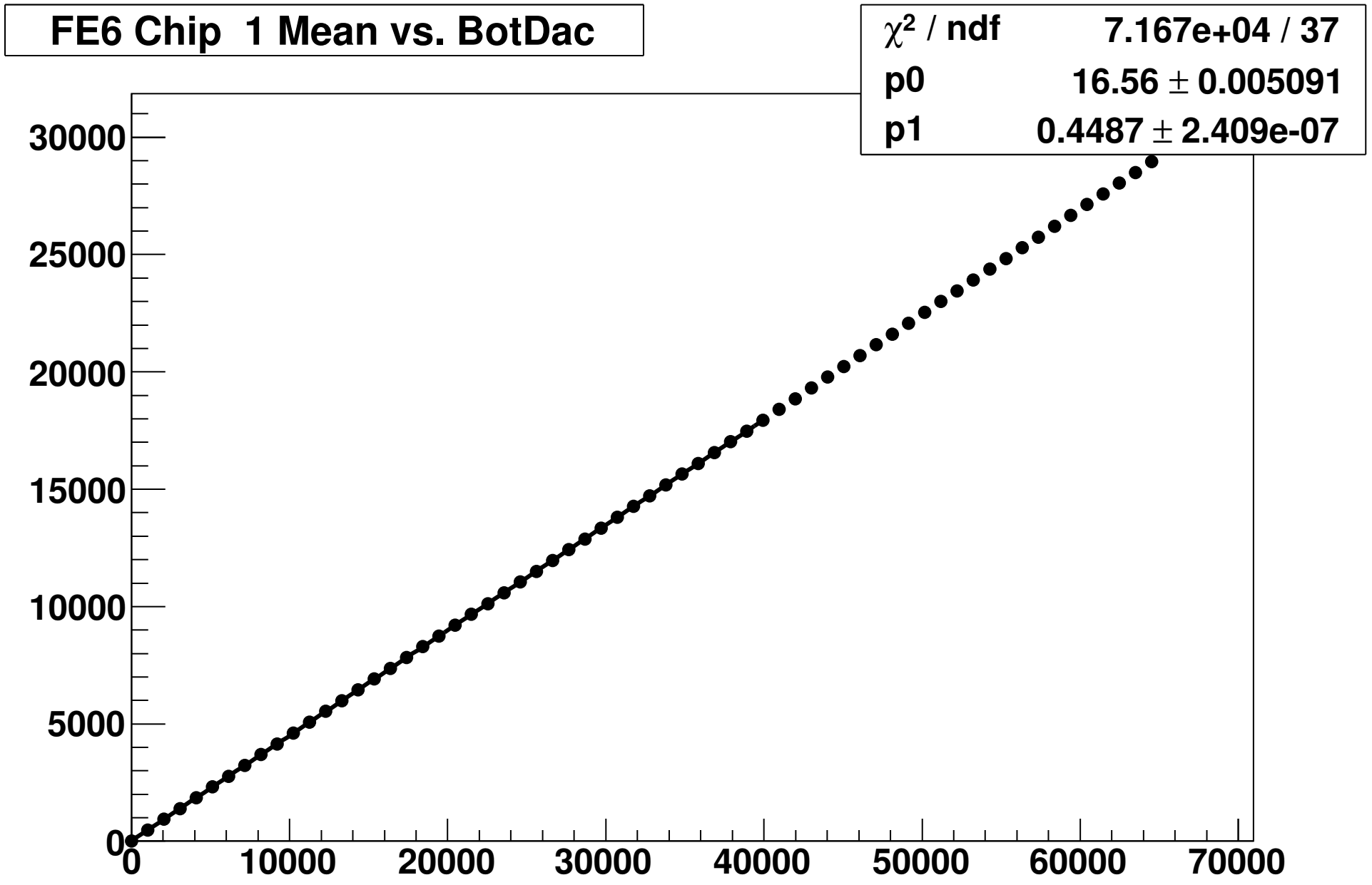
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 7.167e+04 / 37
p0 16.56 ± 0.005091
p1 0.4487 ± 2.409e-07
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5000
0
0
10000
20000
30000
40000
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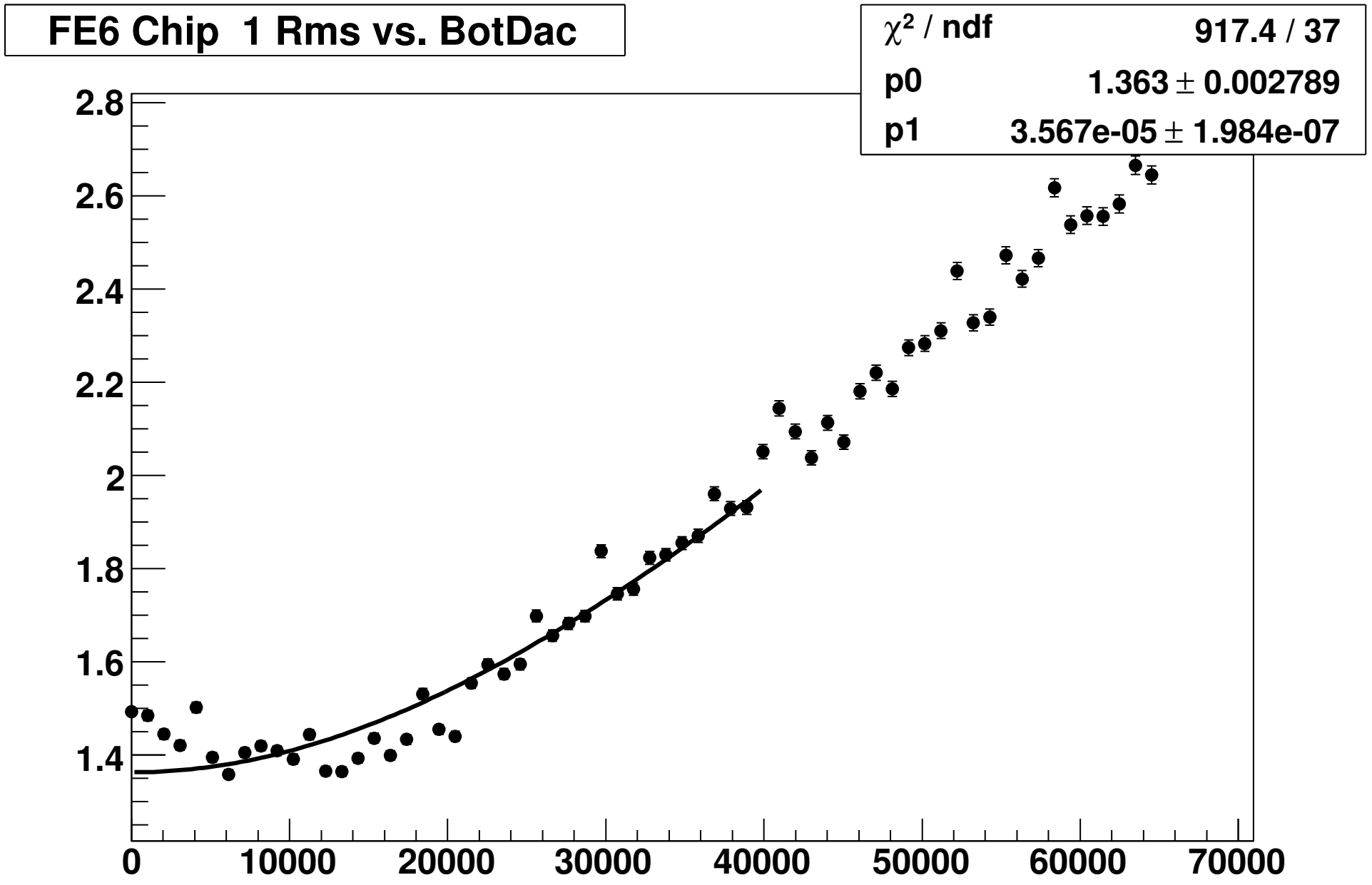
FE6 Chip 1 Rms vs. BotDac
χ² / ndf 917.4 / 37
p0 1.363 ± 0.002789
p1 3.567e-05 ± 1.984e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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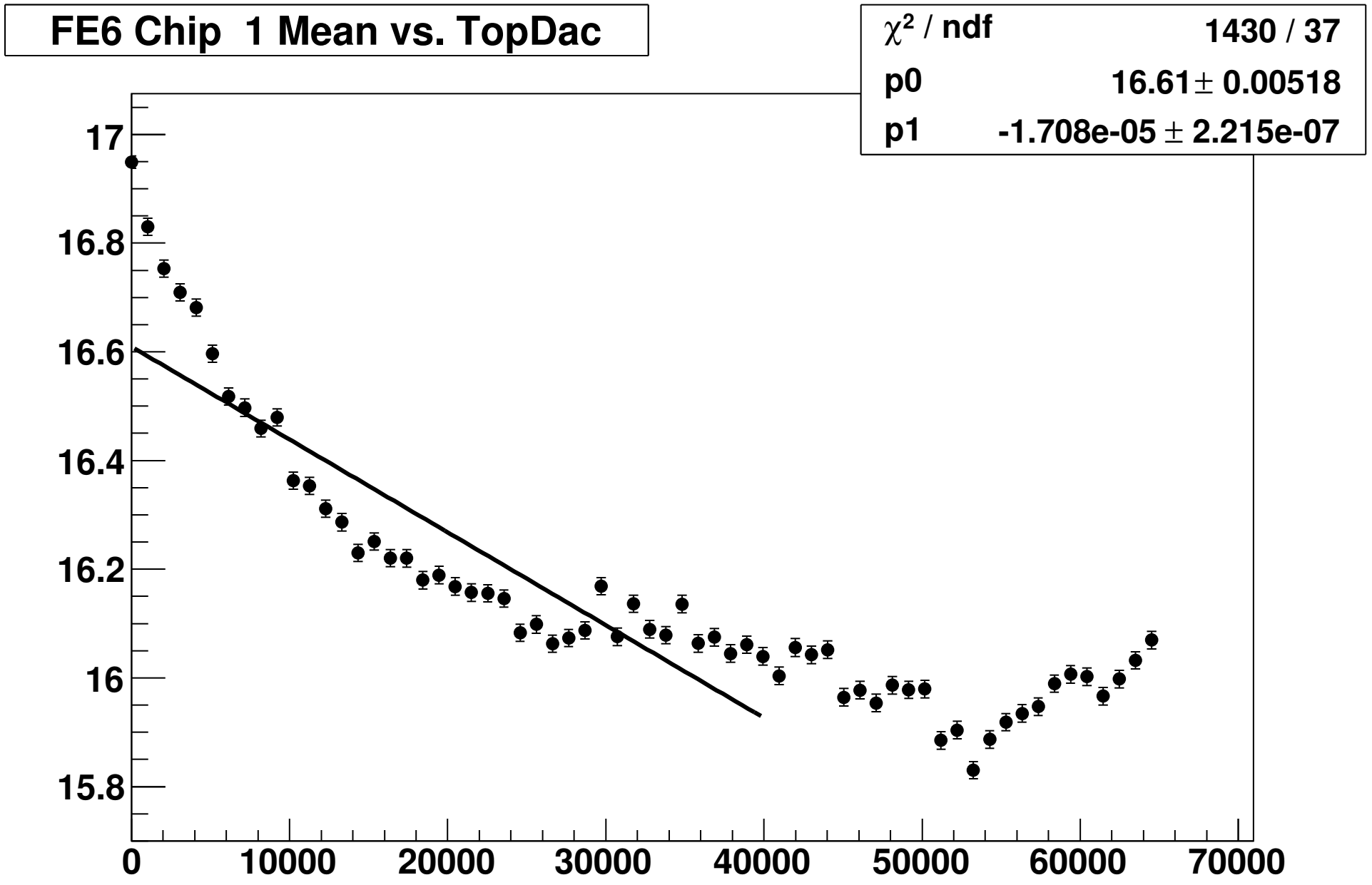
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 1430 / 37
p0 16.61 ± 0.00518
p1 -1.708e-05 ± 2.215e-07
17
16.8
16.6
16.4
16.2
16
15.8
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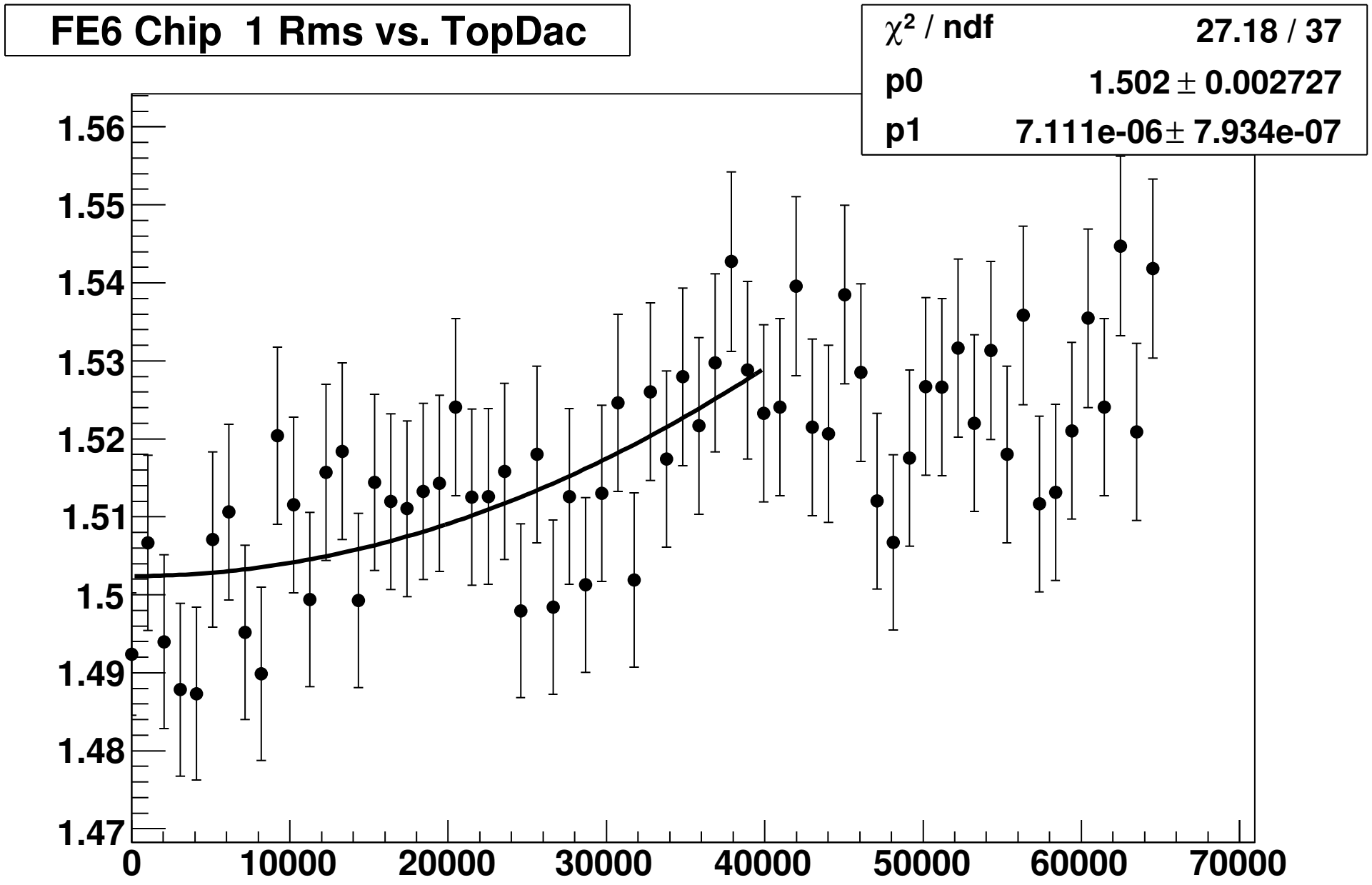
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 27.18 / 37
p0 1.502 ± 0.002727
p1 7.111e-06 ± 7.934e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
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30000
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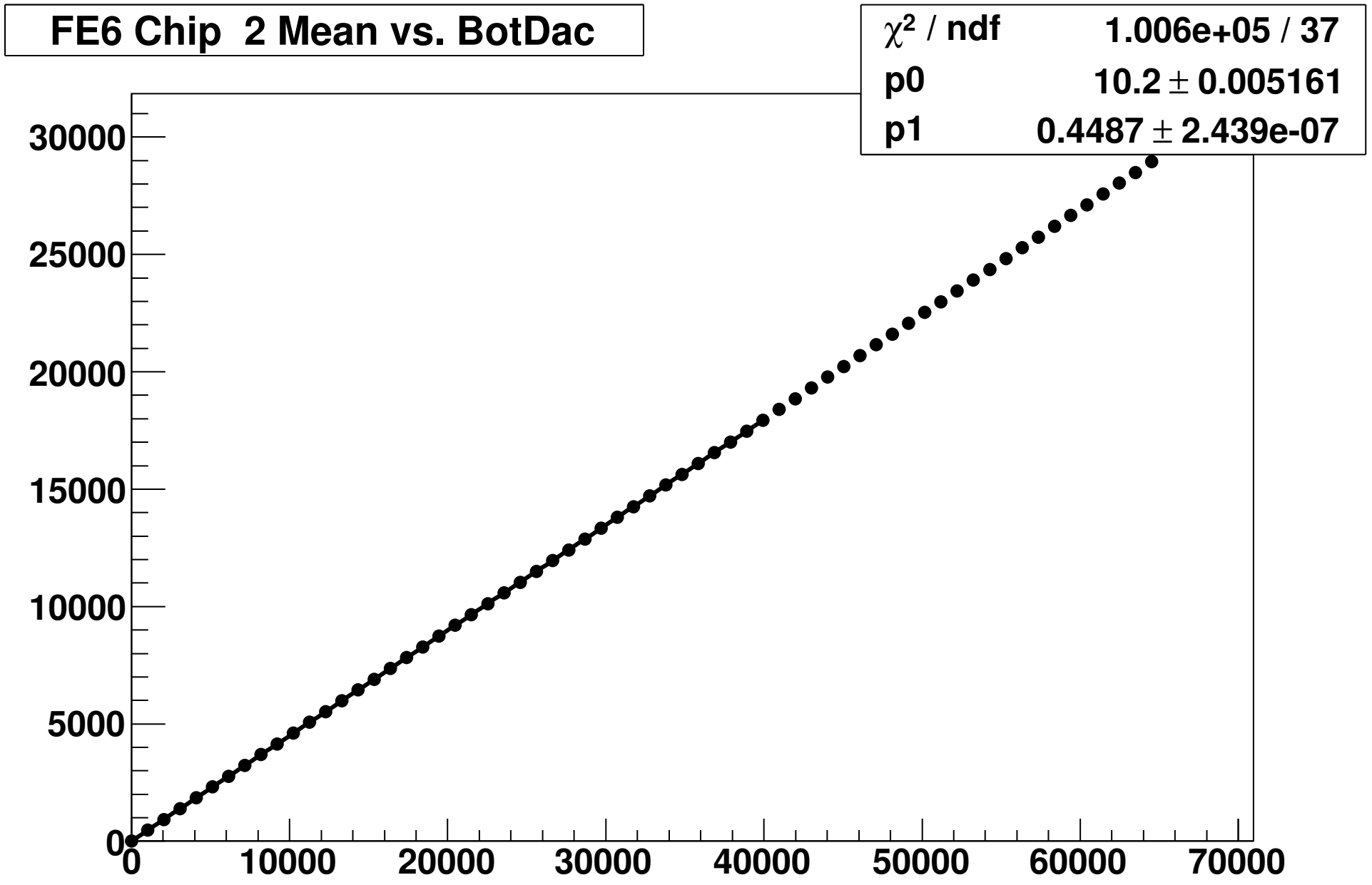
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.006e+05 / 37
p0 10.2 ± 0.005161
p1 0.4487 ± 2.439e-07
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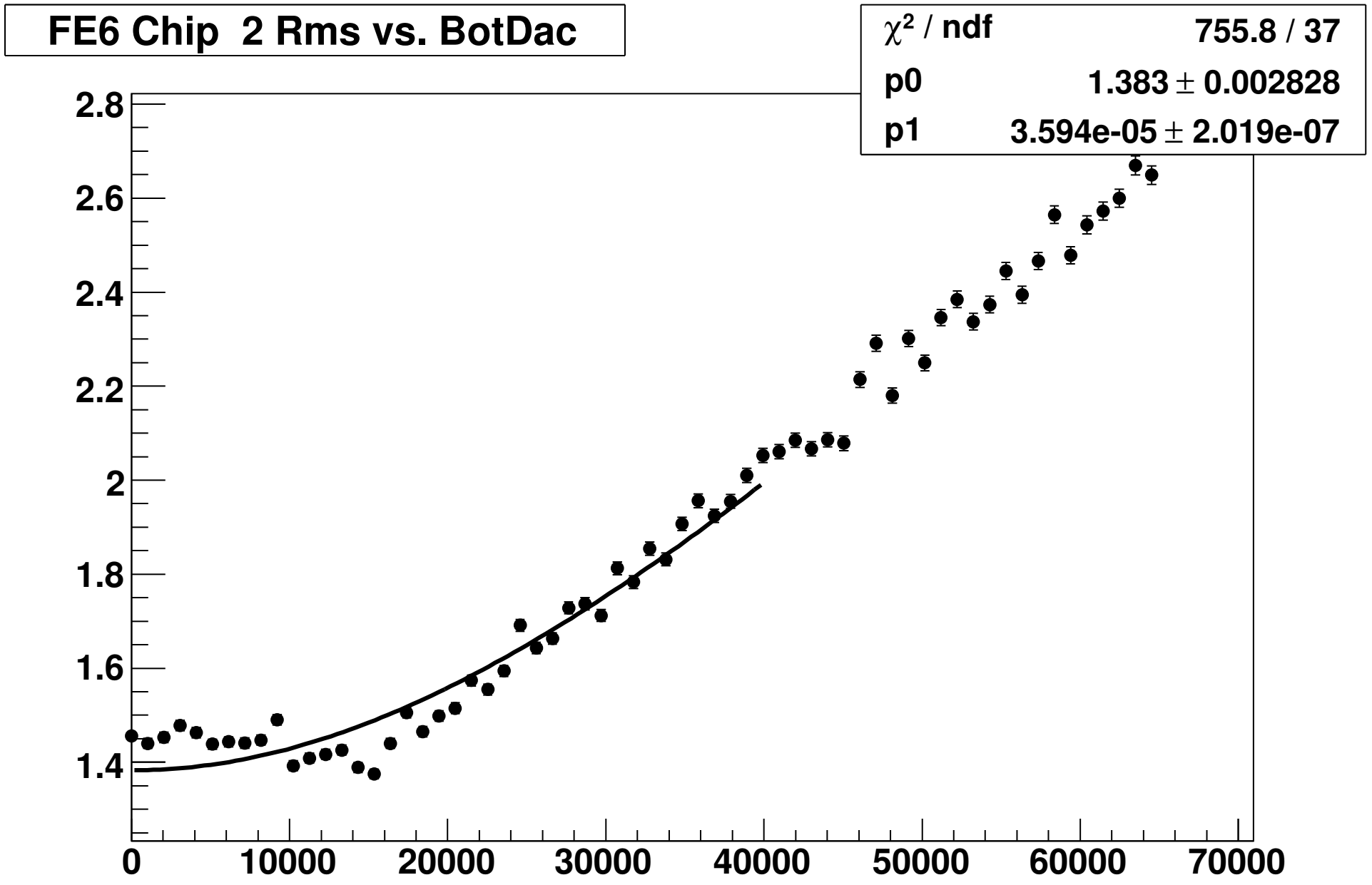
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 755.8 / 37
p0 1.383 ± 0.002828
p1 3.594e-05 ± 2.019e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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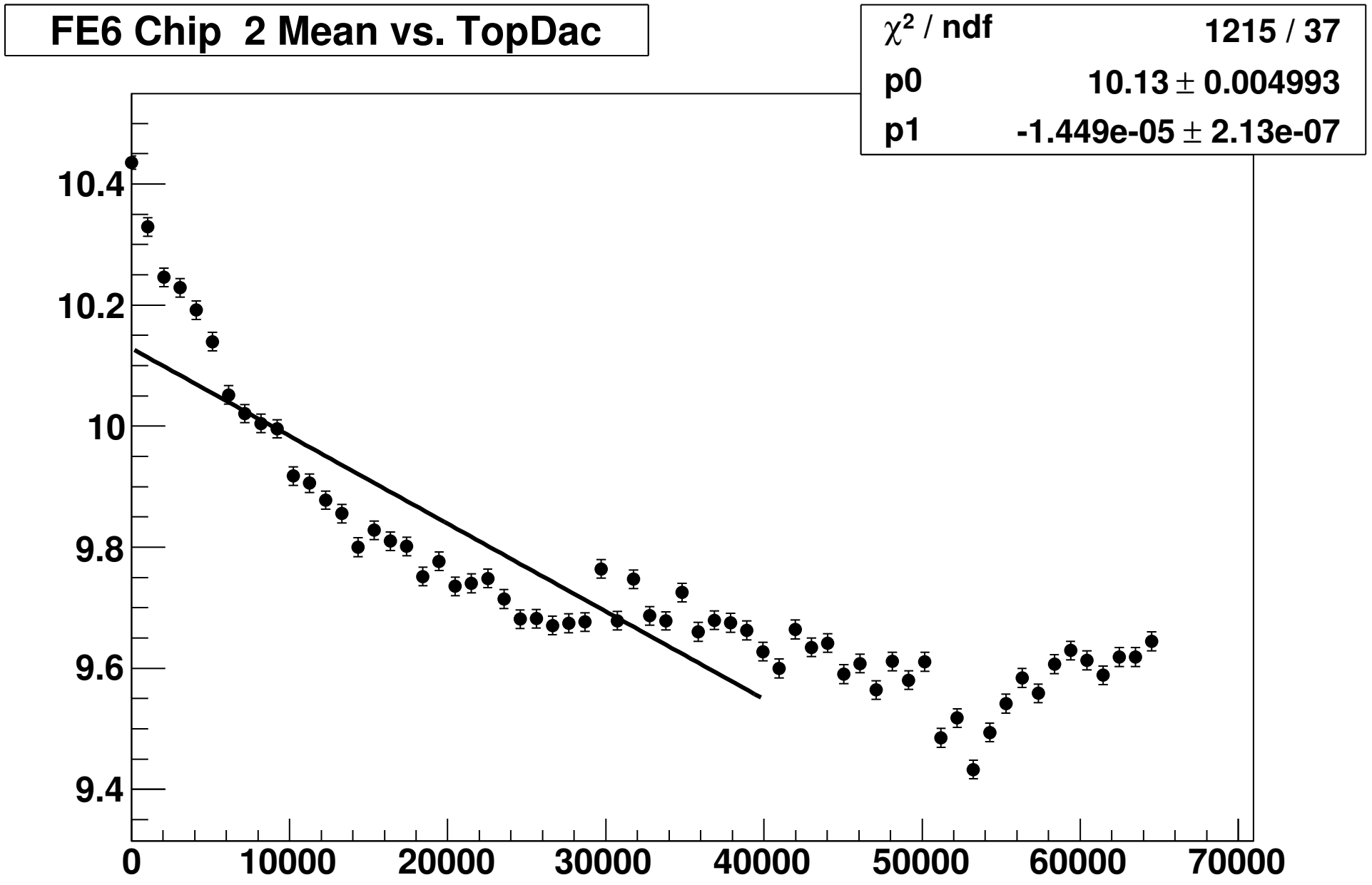
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 1215 / 37
p0 10.13 ± 0.004993
p1 -1.449e-05 ± 2.13e-07
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10.2
10
9.8
9.6
9.4
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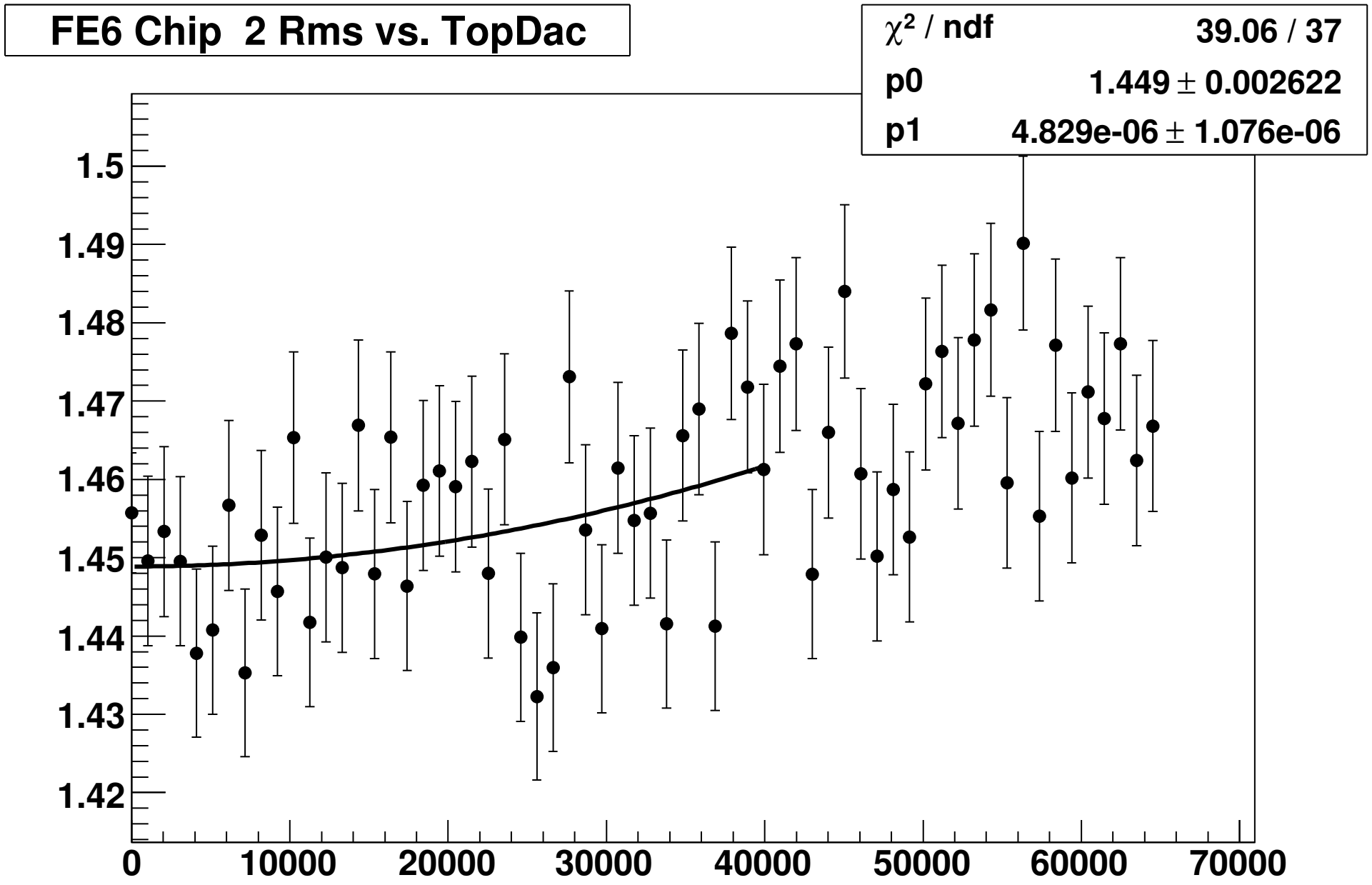
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 39.06 / 37
p0 1.449 ± 0.002622
p1 4.829e-06 ± 1.076e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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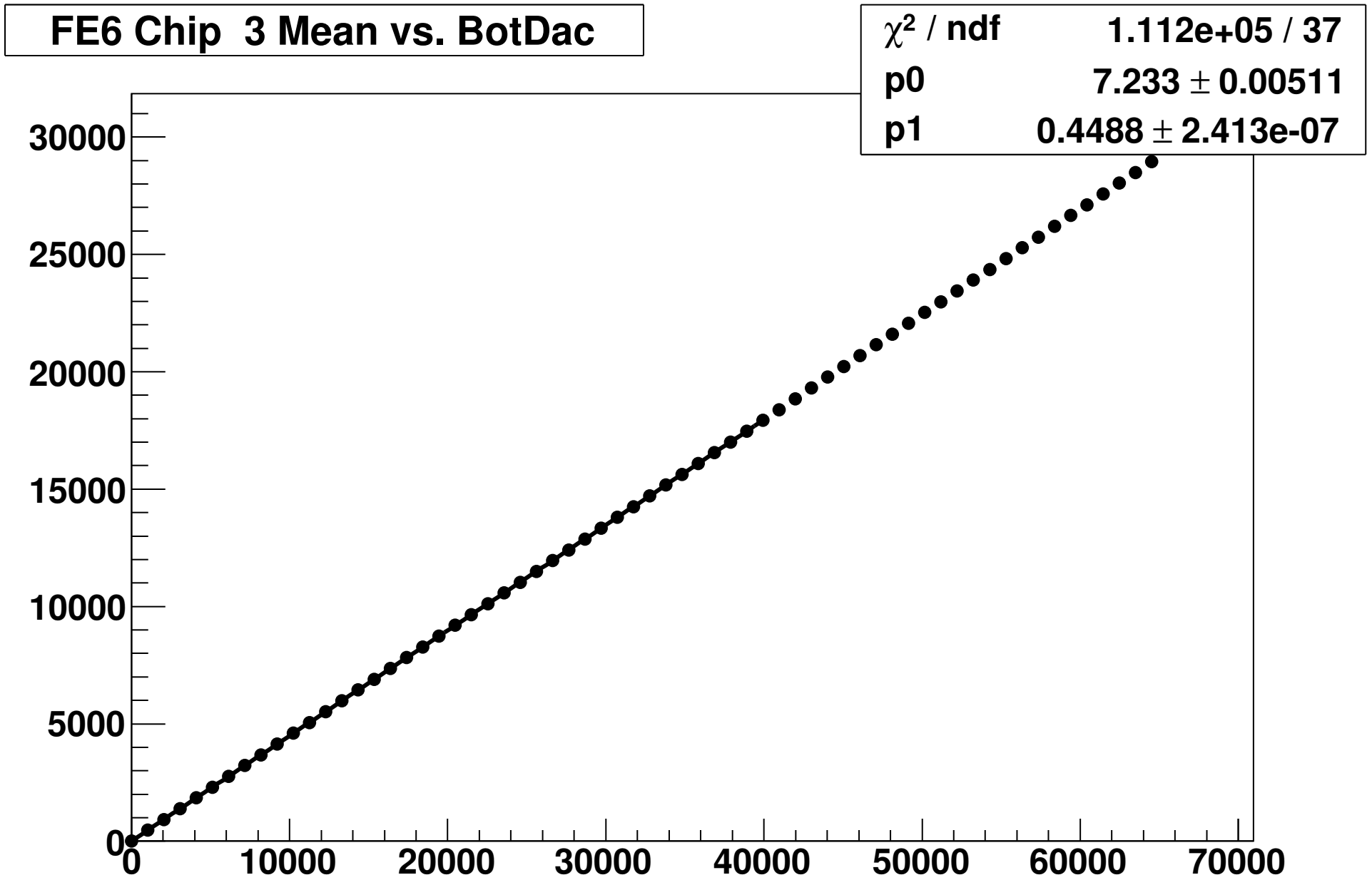
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.112e+05 / 37
p0 7.233 ± 0.00511
p1 0.4488 ± 2.413e-07
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10000
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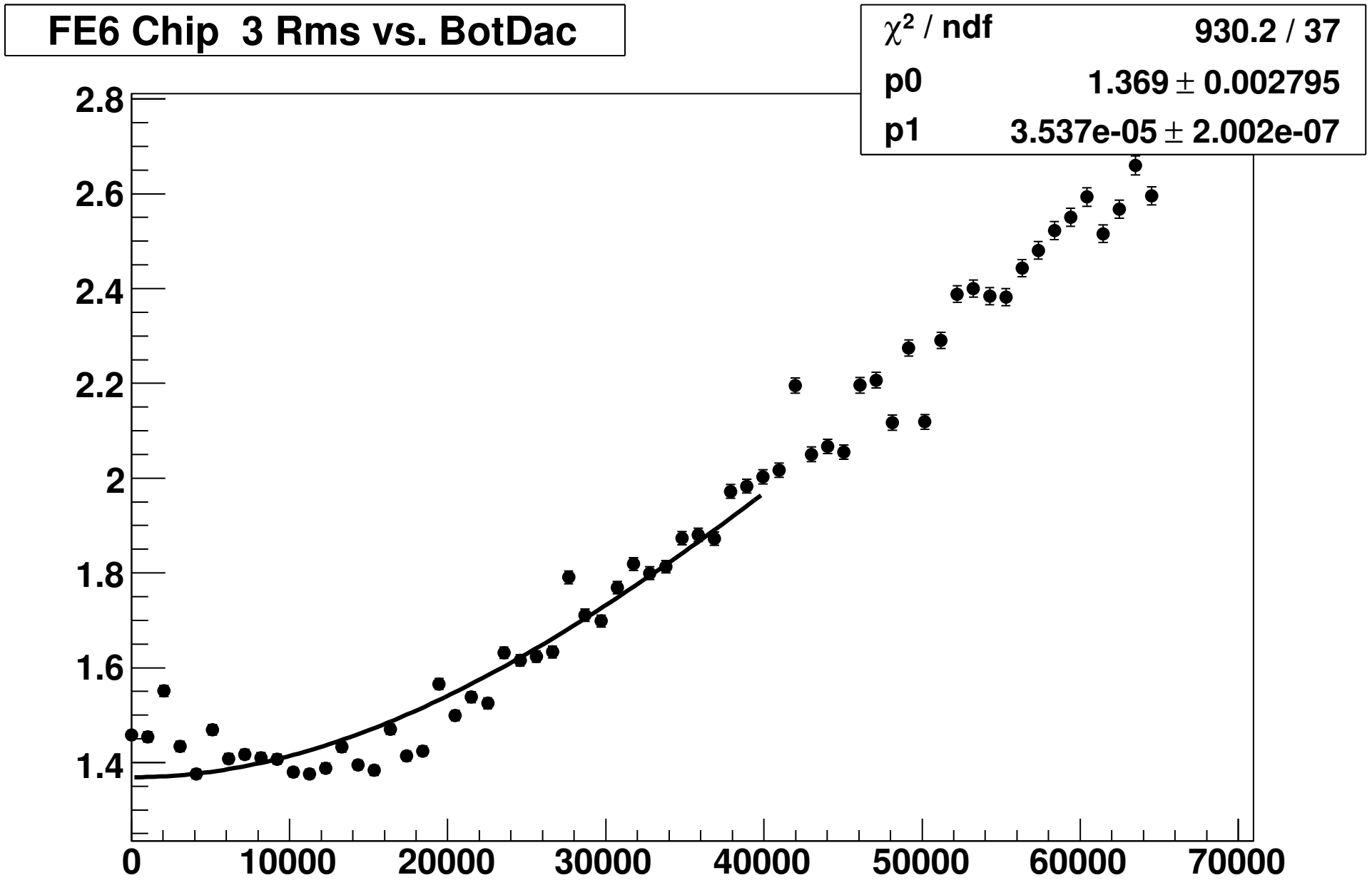
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 930.2 / 37
p0 1.369 ± 0.002795
p1 3.537e-05 ± 2.002e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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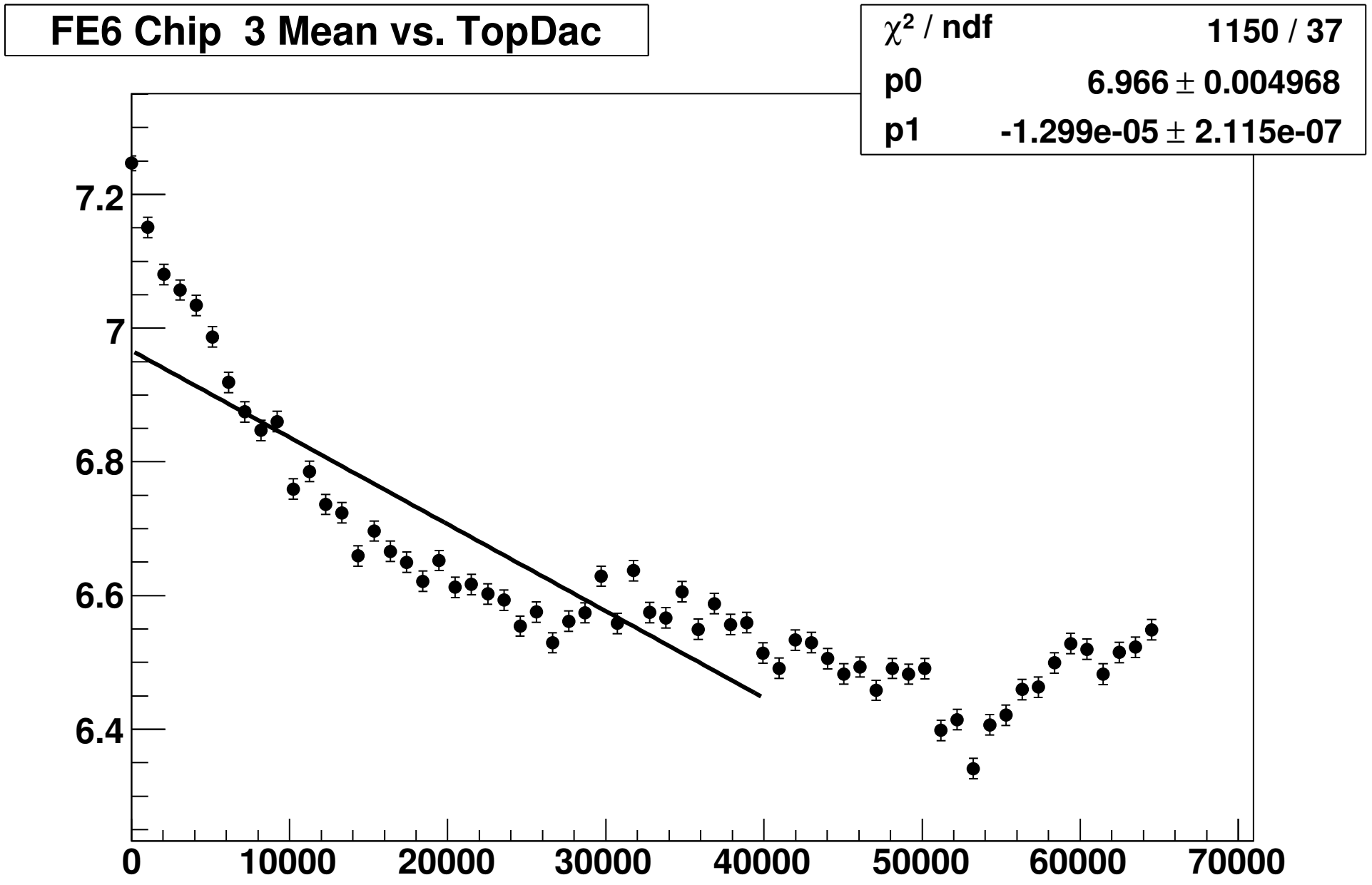
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 1150 / 37
p0 6.966 ± 0.004968
p1 -1.299e-05 ± 2.115e-07
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6.8
6.6
6.4
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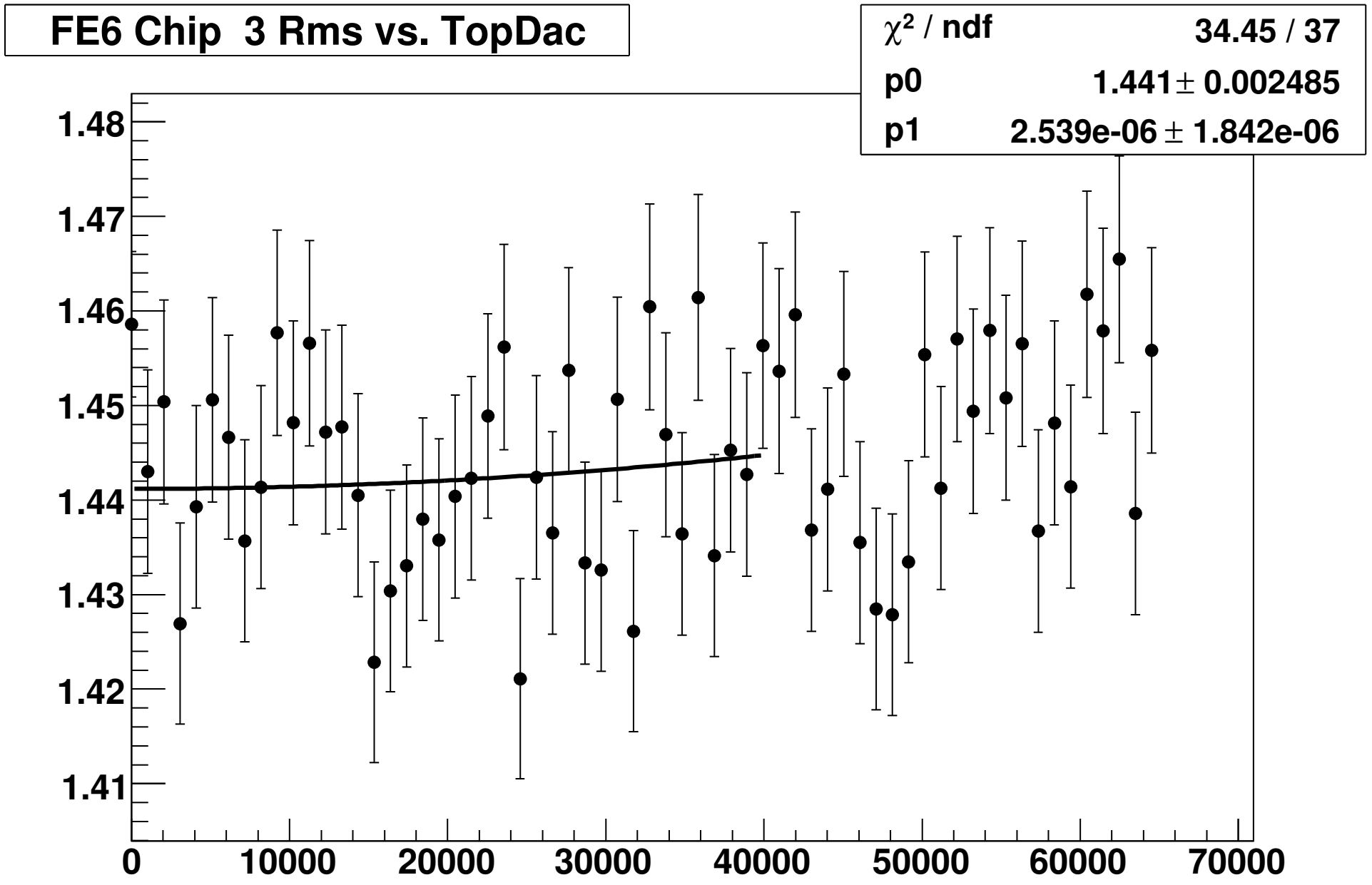
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 34.45 / 37
p0 1.441 ± 0.002485
p1 2.539e-06 ± 1.842e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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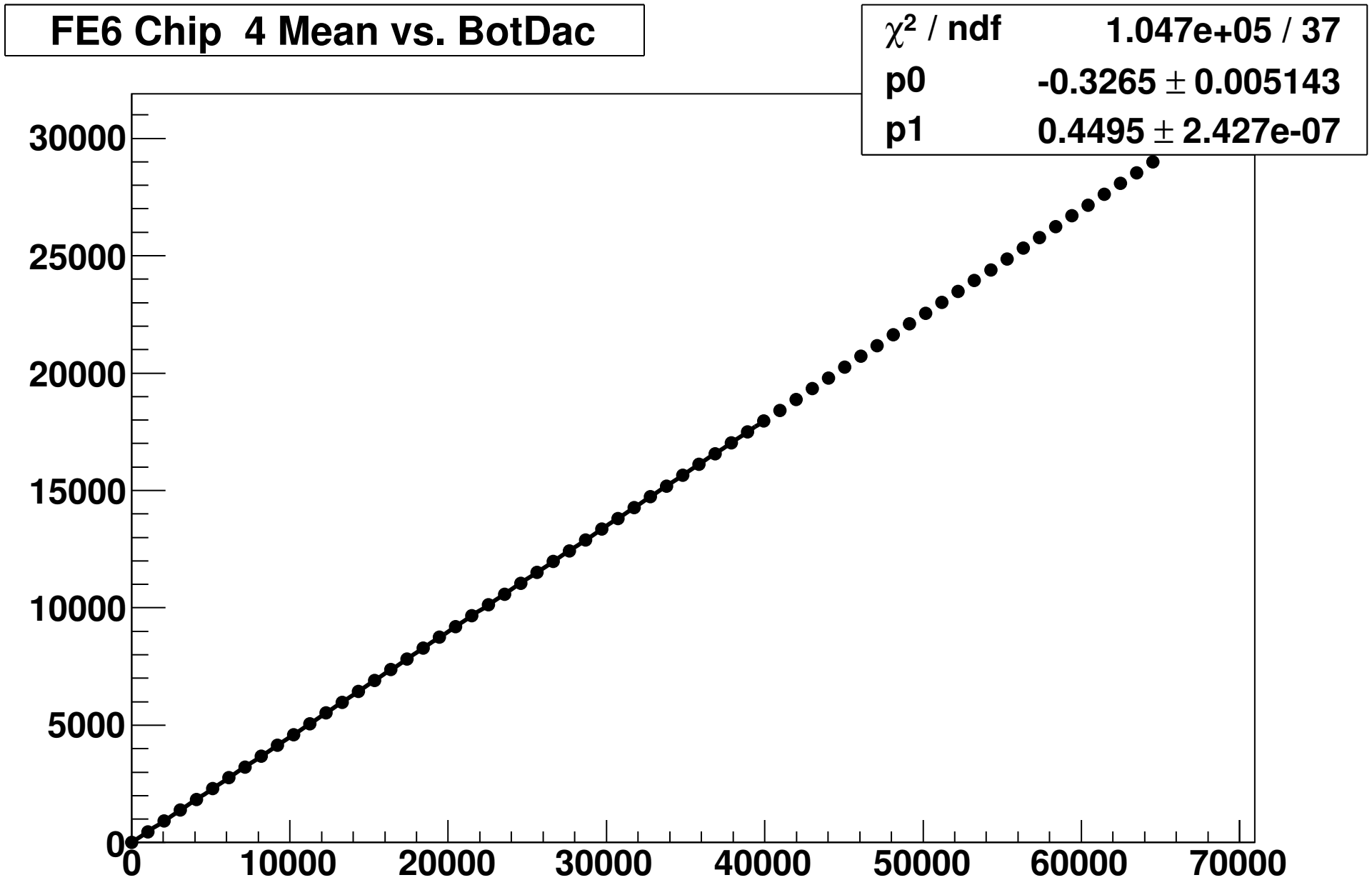
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.047e+05 / 37
p0 -0.3265 ± 0.005143
p1 0.4495 ± 2.427e-07
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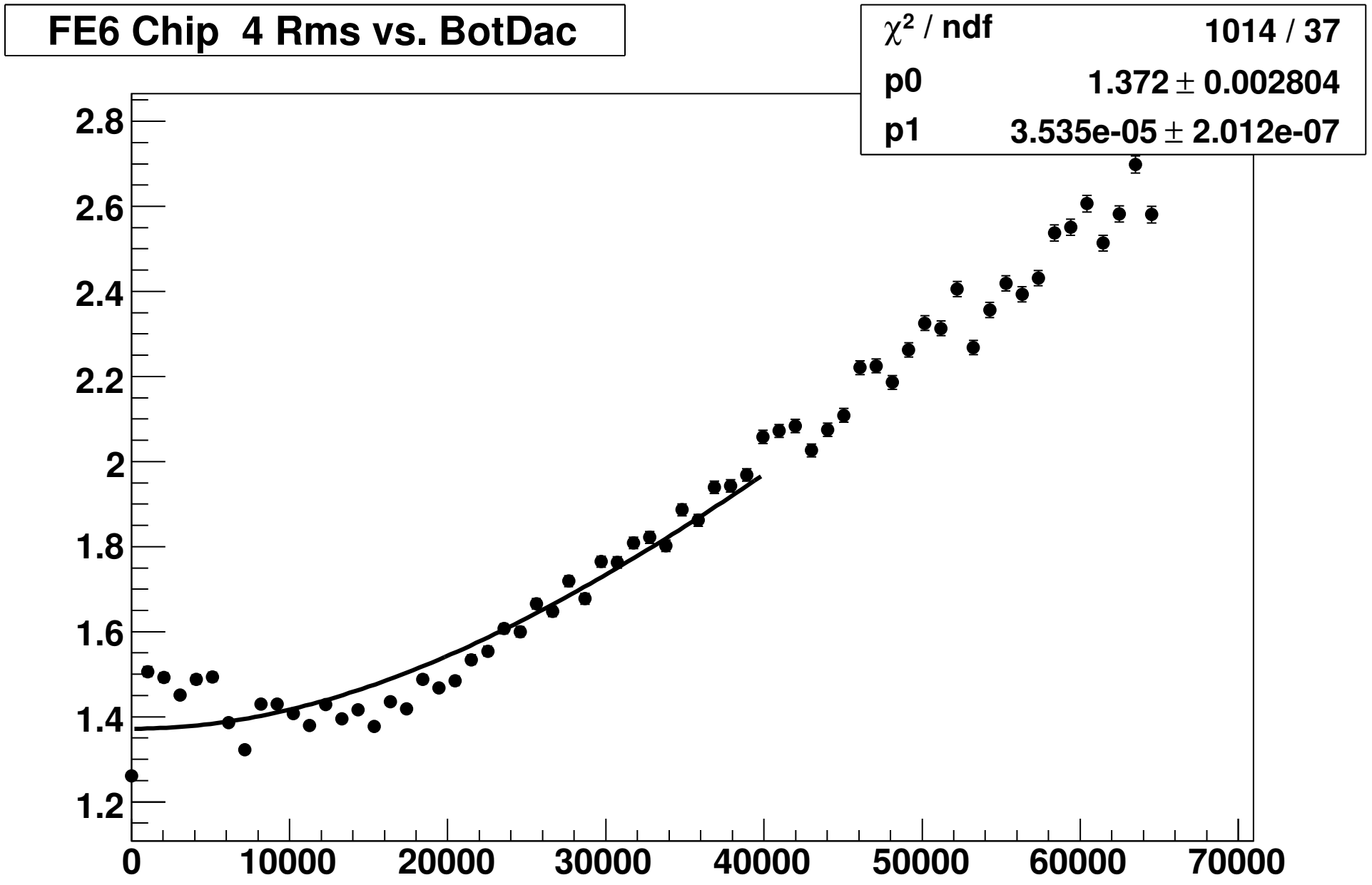
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1014 / 37
p0 1.372 ± 0.002804
p1 3.535e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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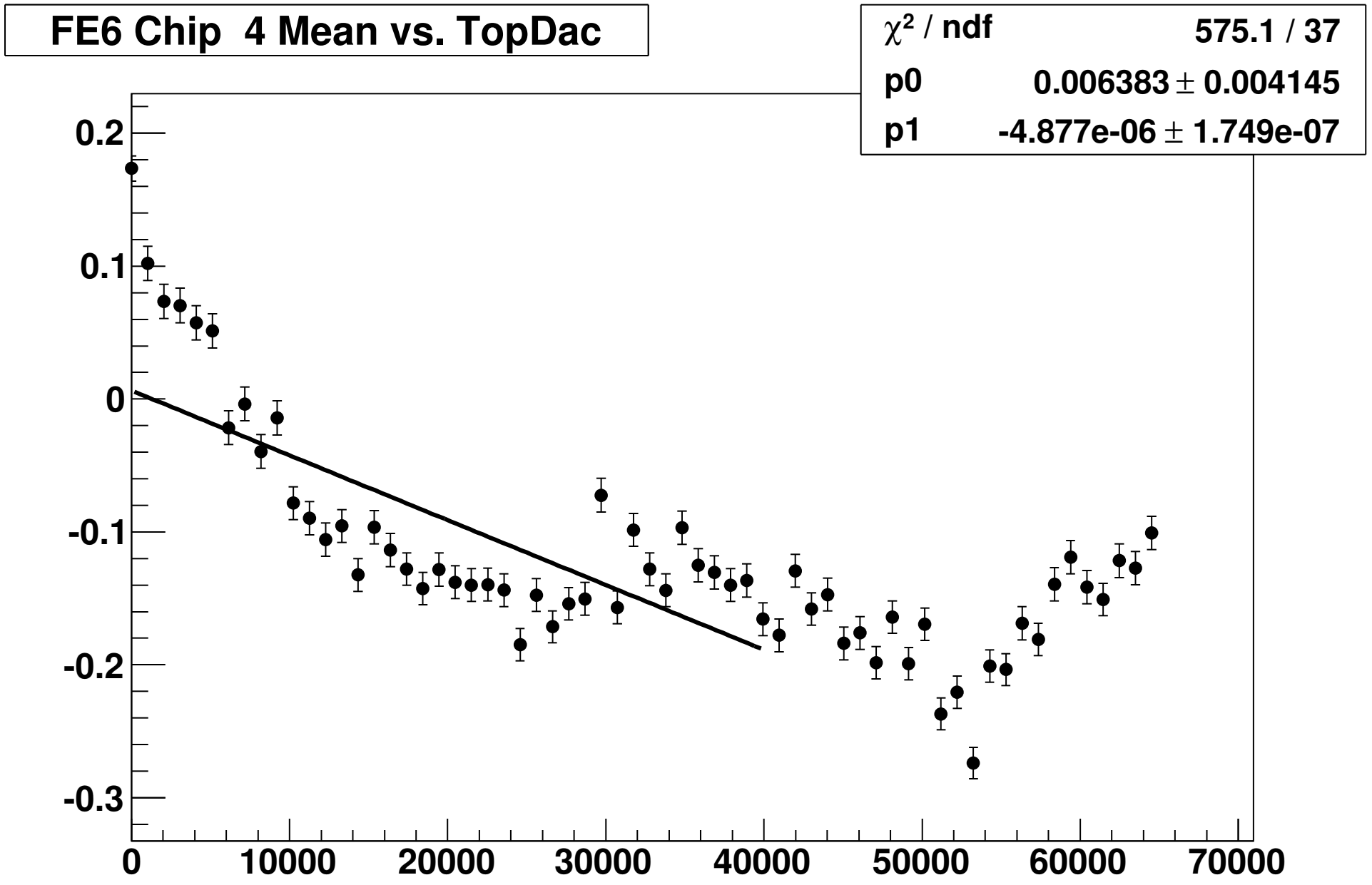
FE6 Chip 4 Mean vs. TopDac
χ² / ndf 575.1 / 37
p0 0.006383 ± 0.004145
p1 -4.877e-06 ± 1.749e-07
0.2
0.1
0
-0.1
-0.2
-0.3
0
10000
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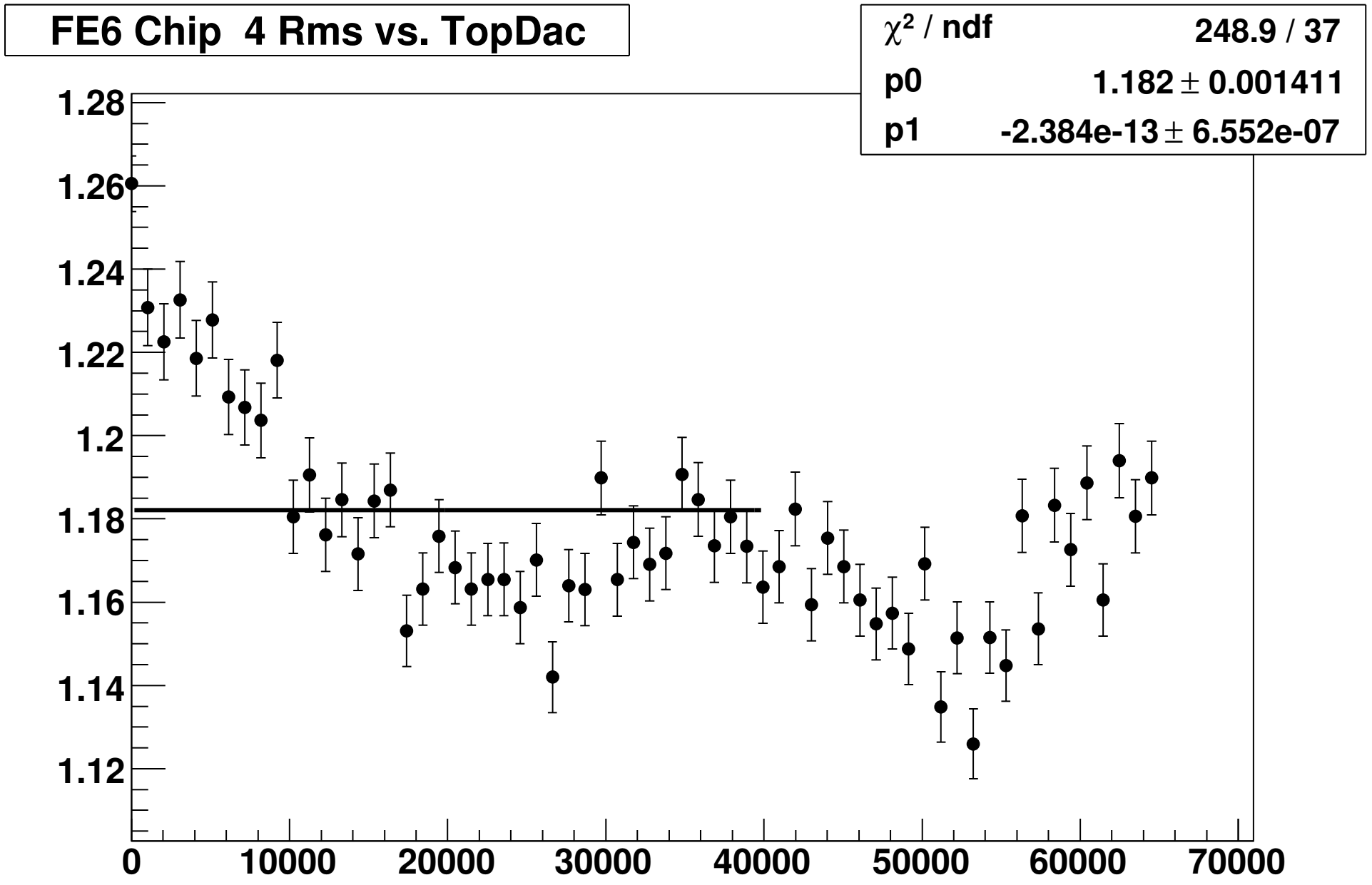
FE6 Chip 4 Rms vs. TopDac
χ² / ndf 248.9 / 37
p0 1.182 ± 0.001411
p1 -2.384e-13 ± 6.552e-07
1.28
1.26
1.24
1.22
1.2
1.18
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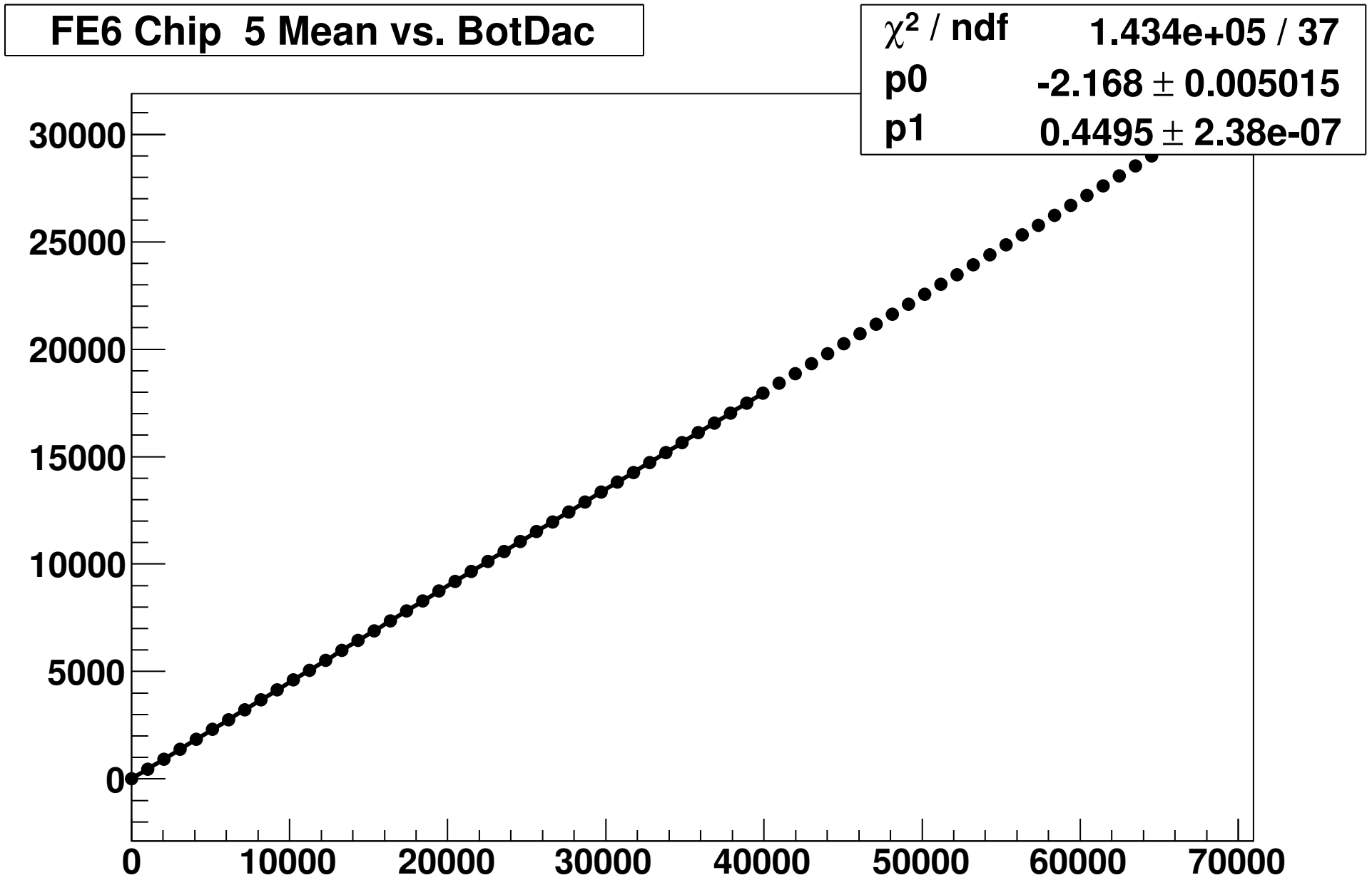
FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.434e+05 / 37
p0 -2.168 ± 0.005015
p1 0.4495 ± 2.38e-07
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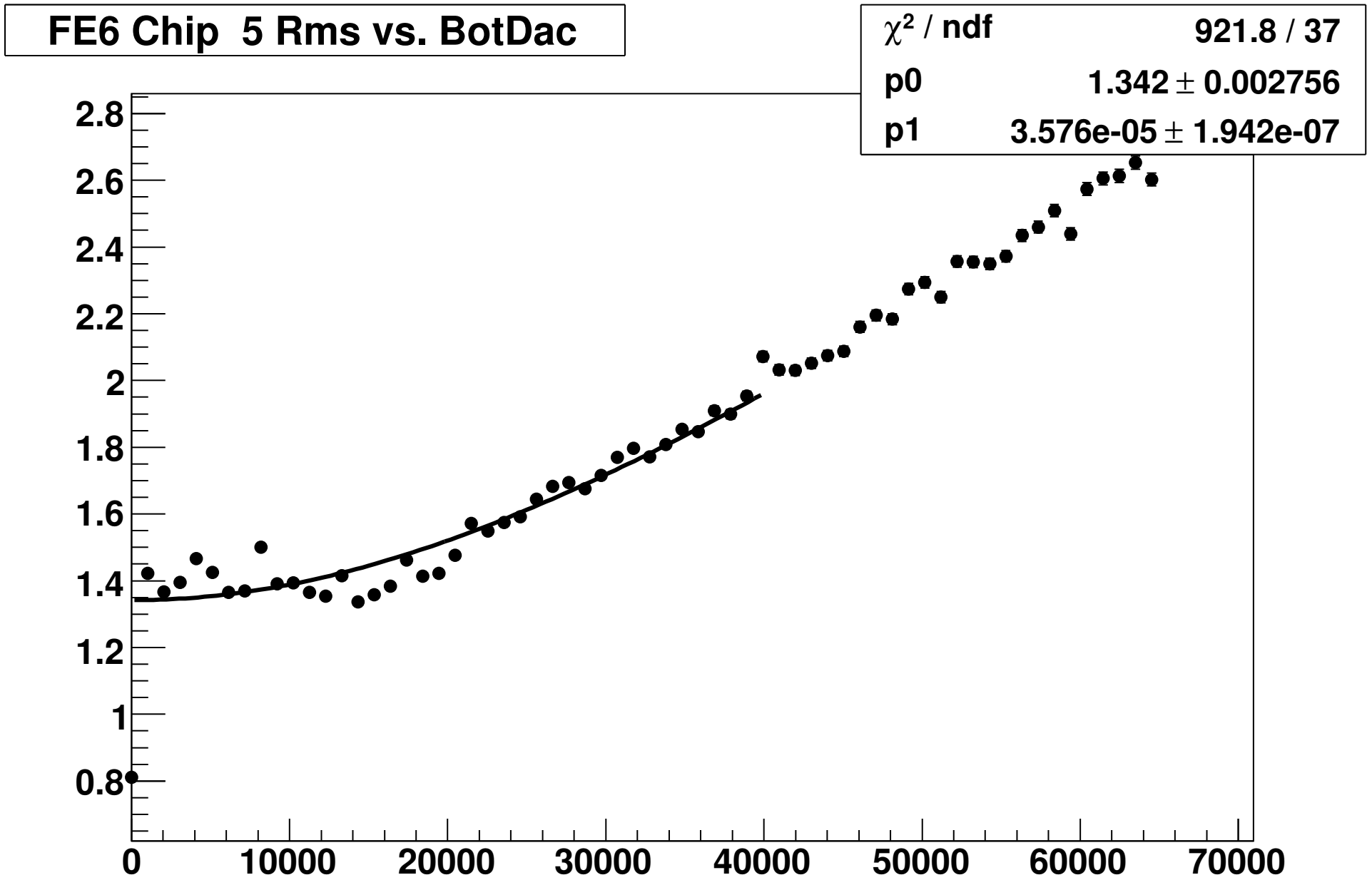
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 921.8 / 37
p0 1.342 ± 0.002756
p1 3.576e-05 ± 1.942e-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
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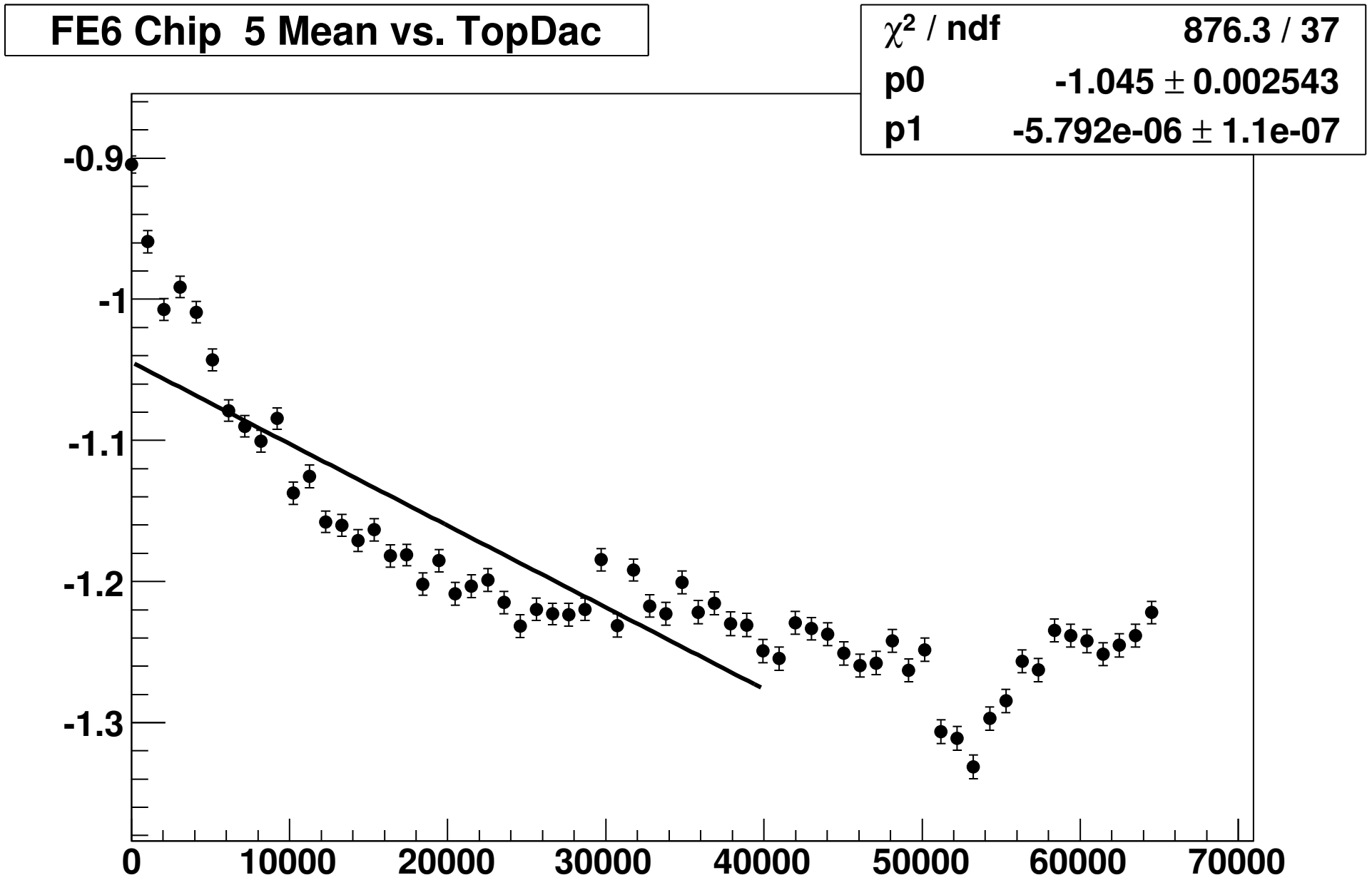
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 876.3 / 37
p0 -1.045 ± 0.002543
p1 -5.792e-06 ± 1.1e-07
-0.9
-1
-1.1
-1.2
-1.3
0
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20000
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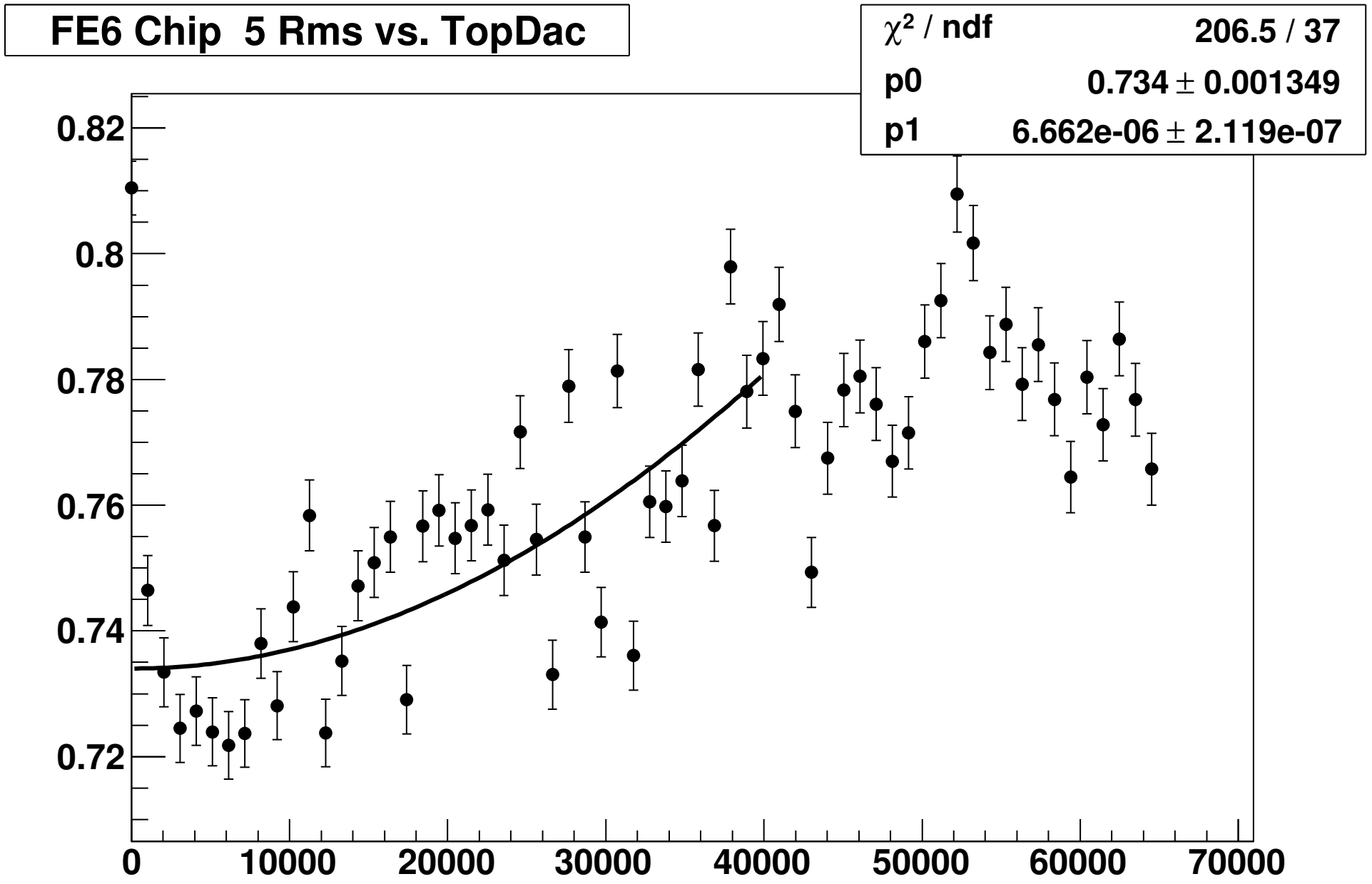
FE6 Chip 5 Rms vs. TopDac
χ² / ndf 206.5 / 37
p0 0.734 ± 0.001349
p1 6.662e-06 ± 2.119e-07
0.82
0.8
0.78
0.76
0.74
0.72
0
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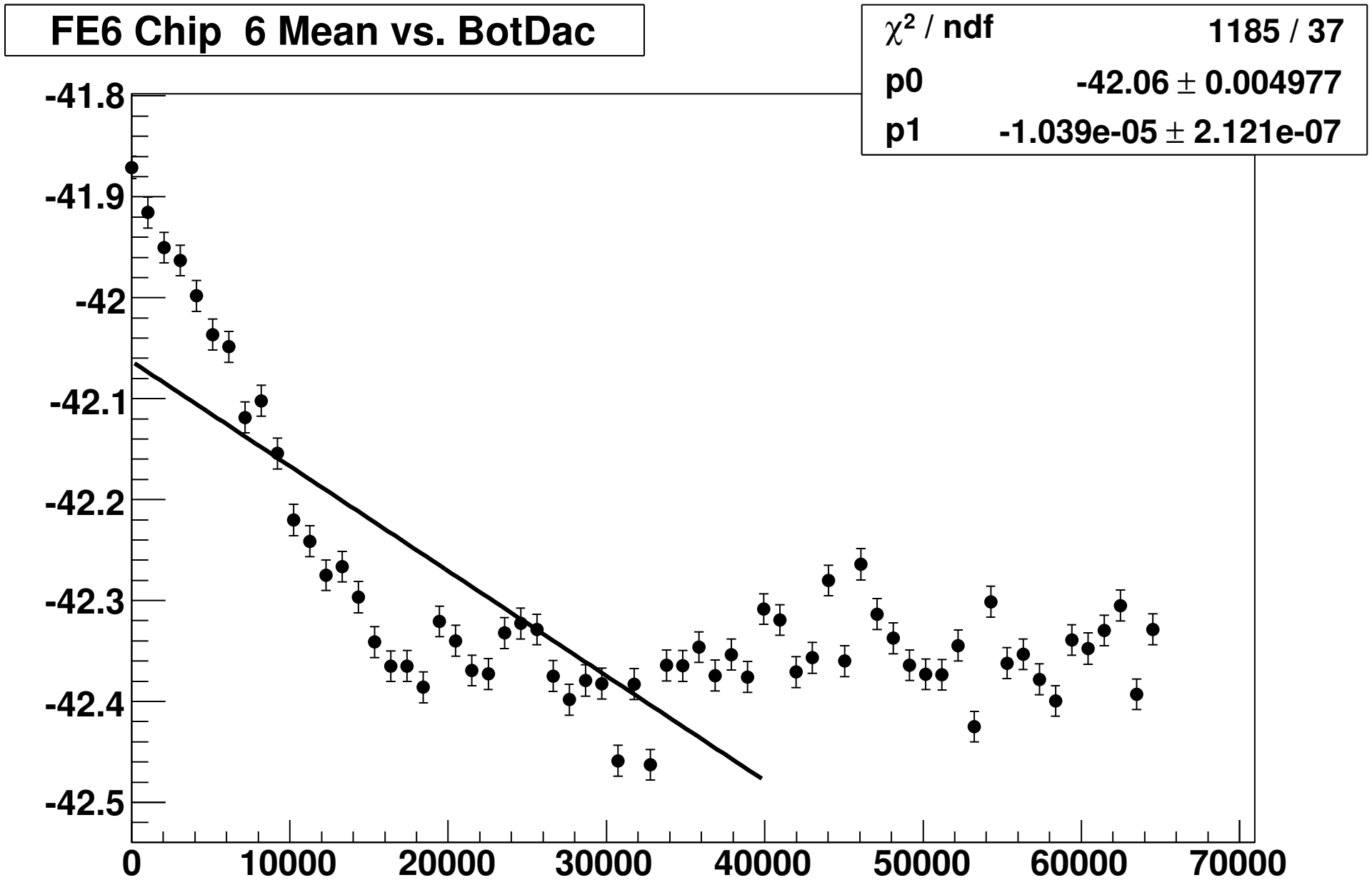
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 1185 / 37
p0 -42.06 ± 0.004977
p1 -1.039e-05 ± 2.121e-07
-41.8
-41.9
-42
-42.1
-42.2
-42.3
-42.4
-42.5
0
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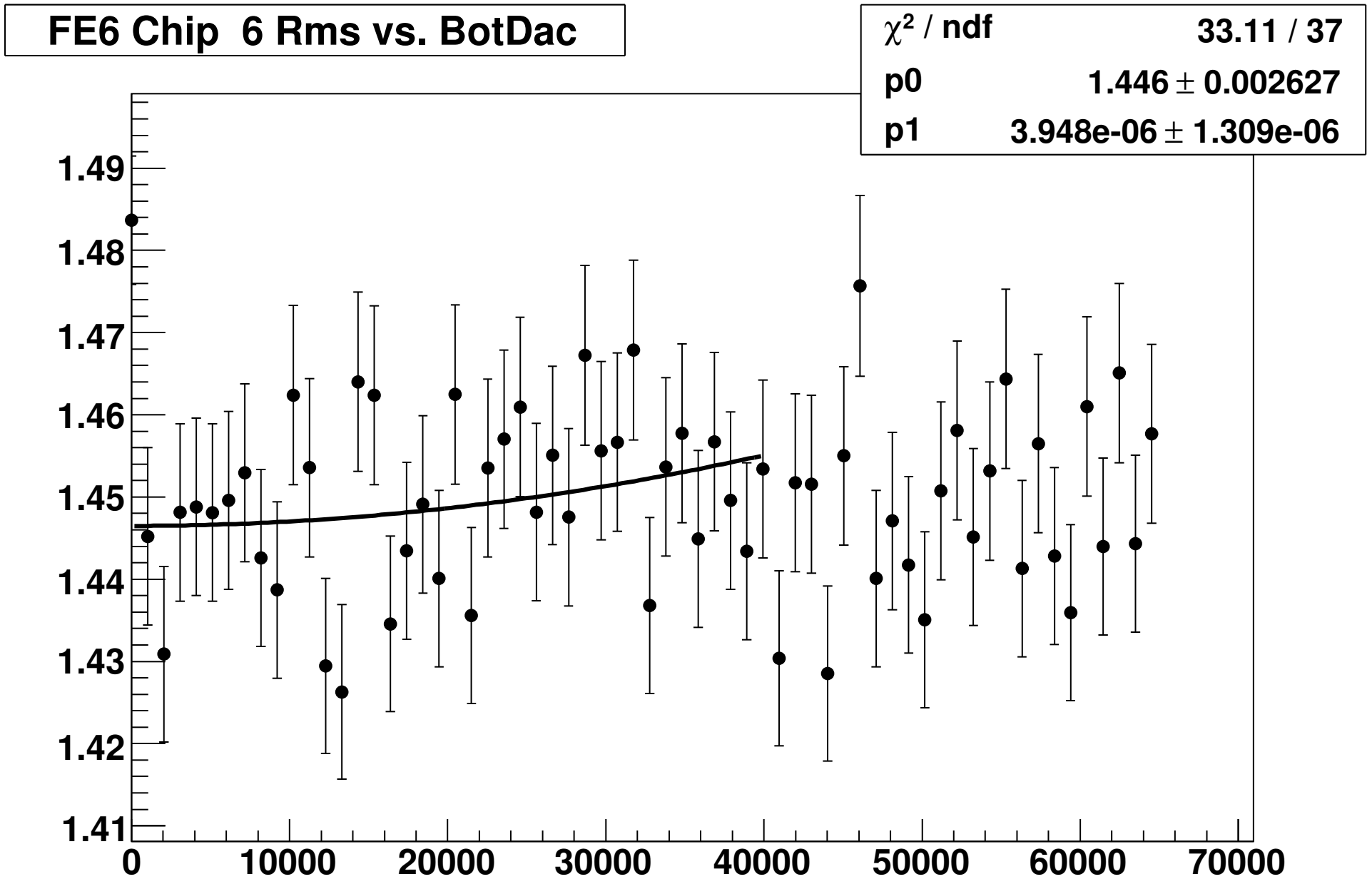
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 33.11 / 37
p0 1.446 ± 0.002627
p1 3.948e-06 ± 1.309e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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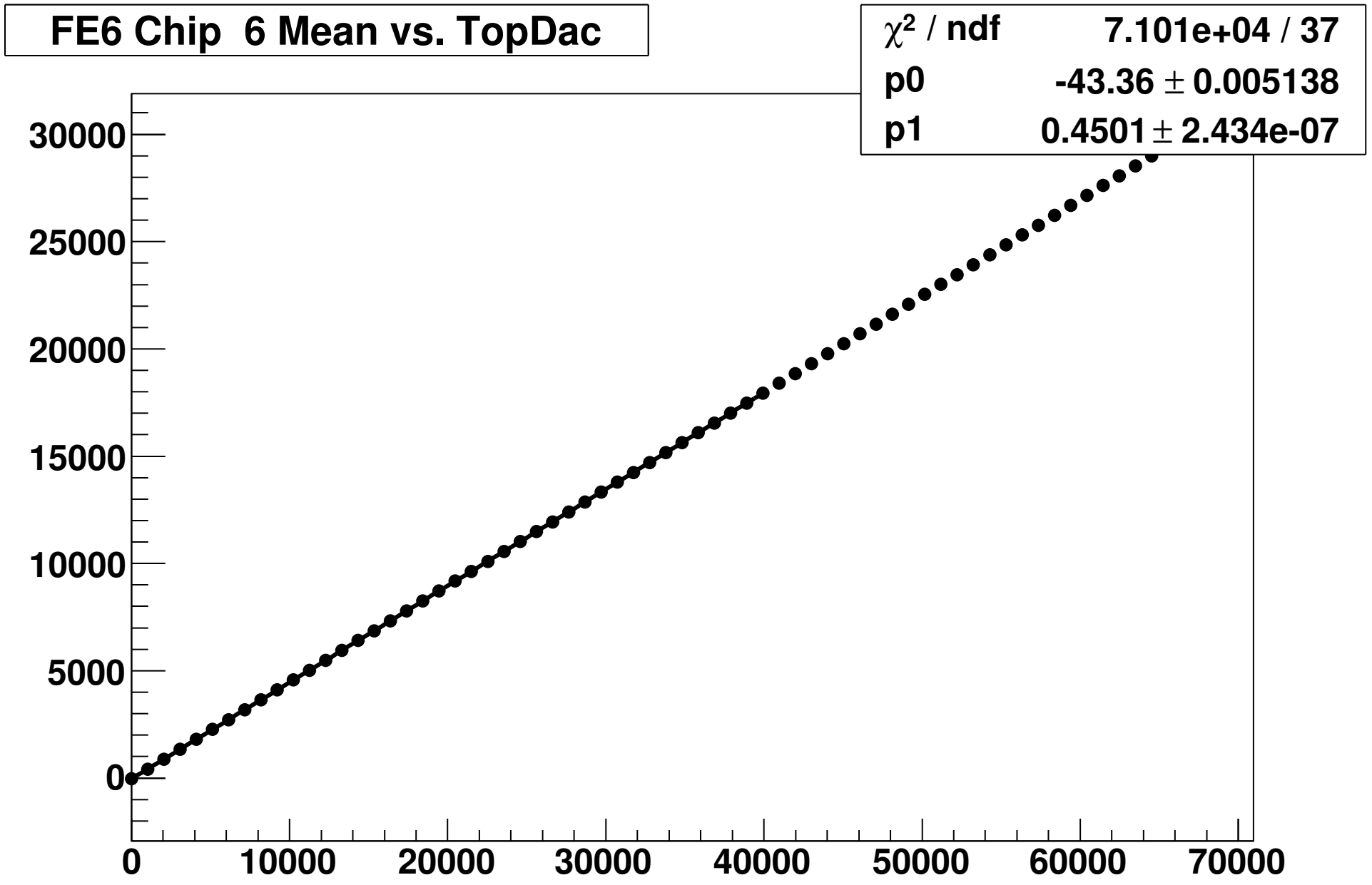
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 7.101e+04 / 37
p0 -43.36 ± 0.005138
p1 0.4501 ± 2.434e-07
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15000
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5000
0
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10000
20000
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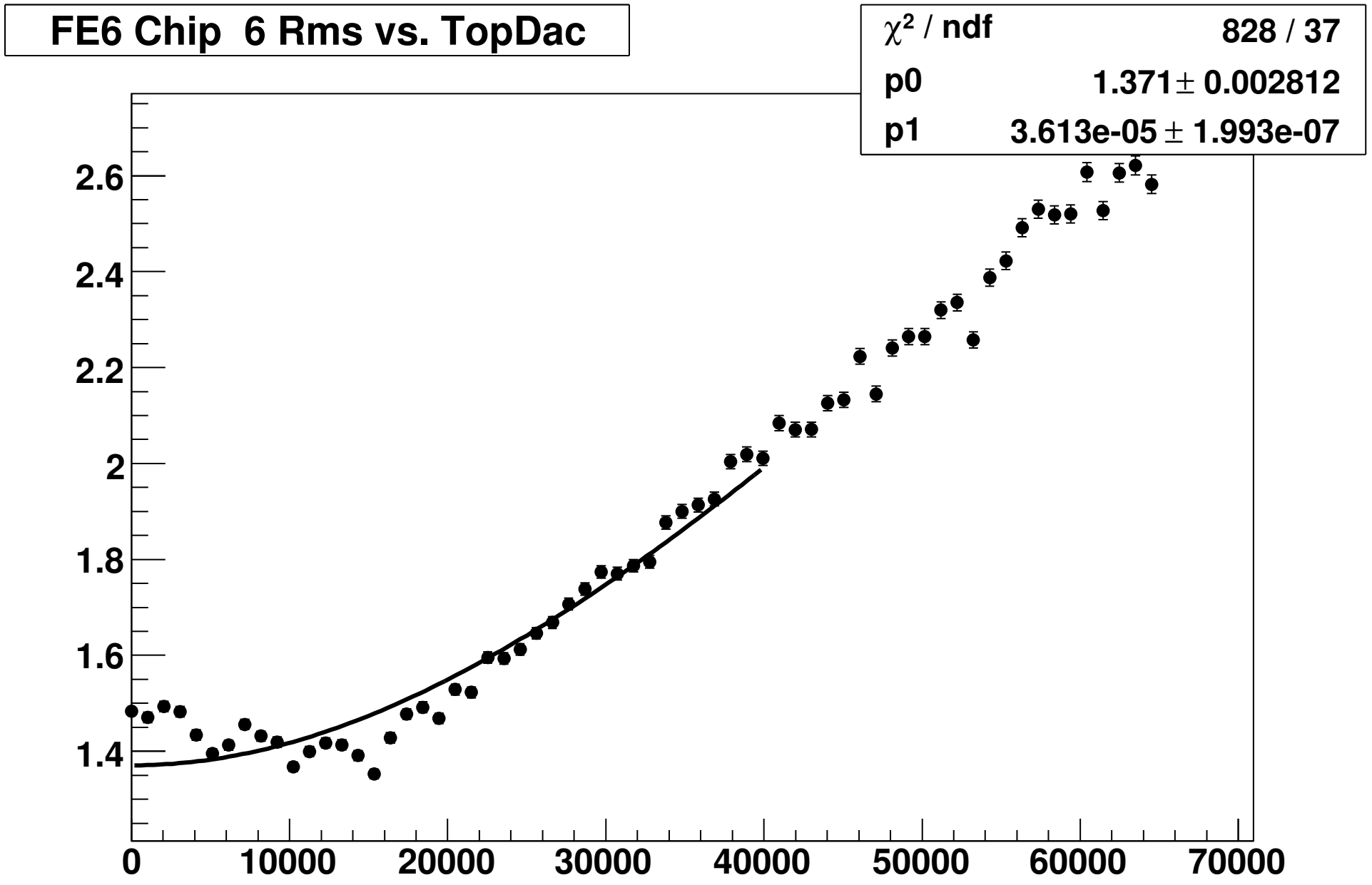
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 828 / 37
p0 1.371 ± 0.002812
p1 3.613e-05 ± 1.993e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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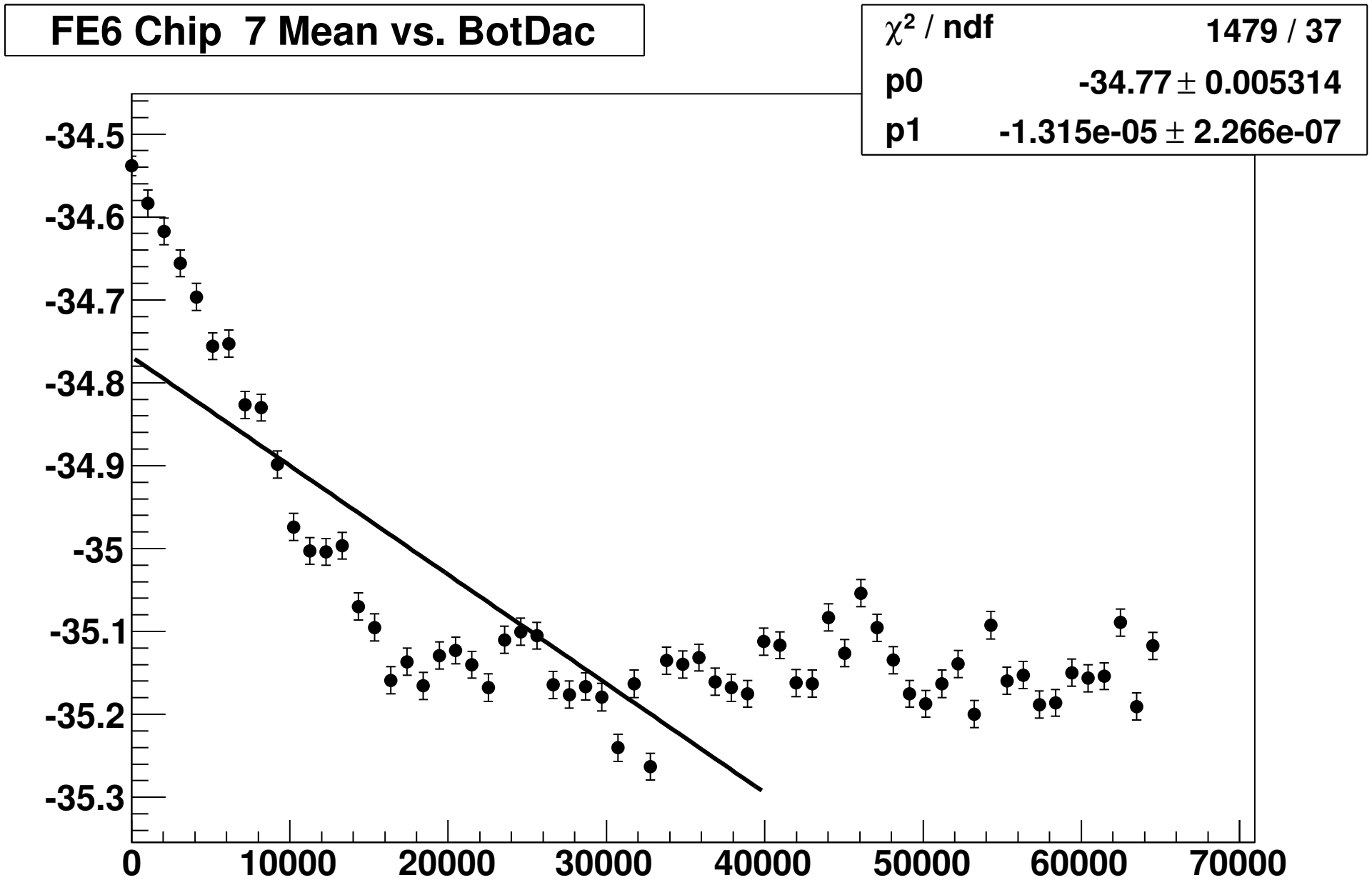
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 1479 / 37
p0 -34.77 ± 0.005314
p1 -1.315e-05 ± 2.266e-07
-34.5
-34.6
-34.7
-34.8
-34.9
-35
-35.1
-35.2
-35.3
0
10000
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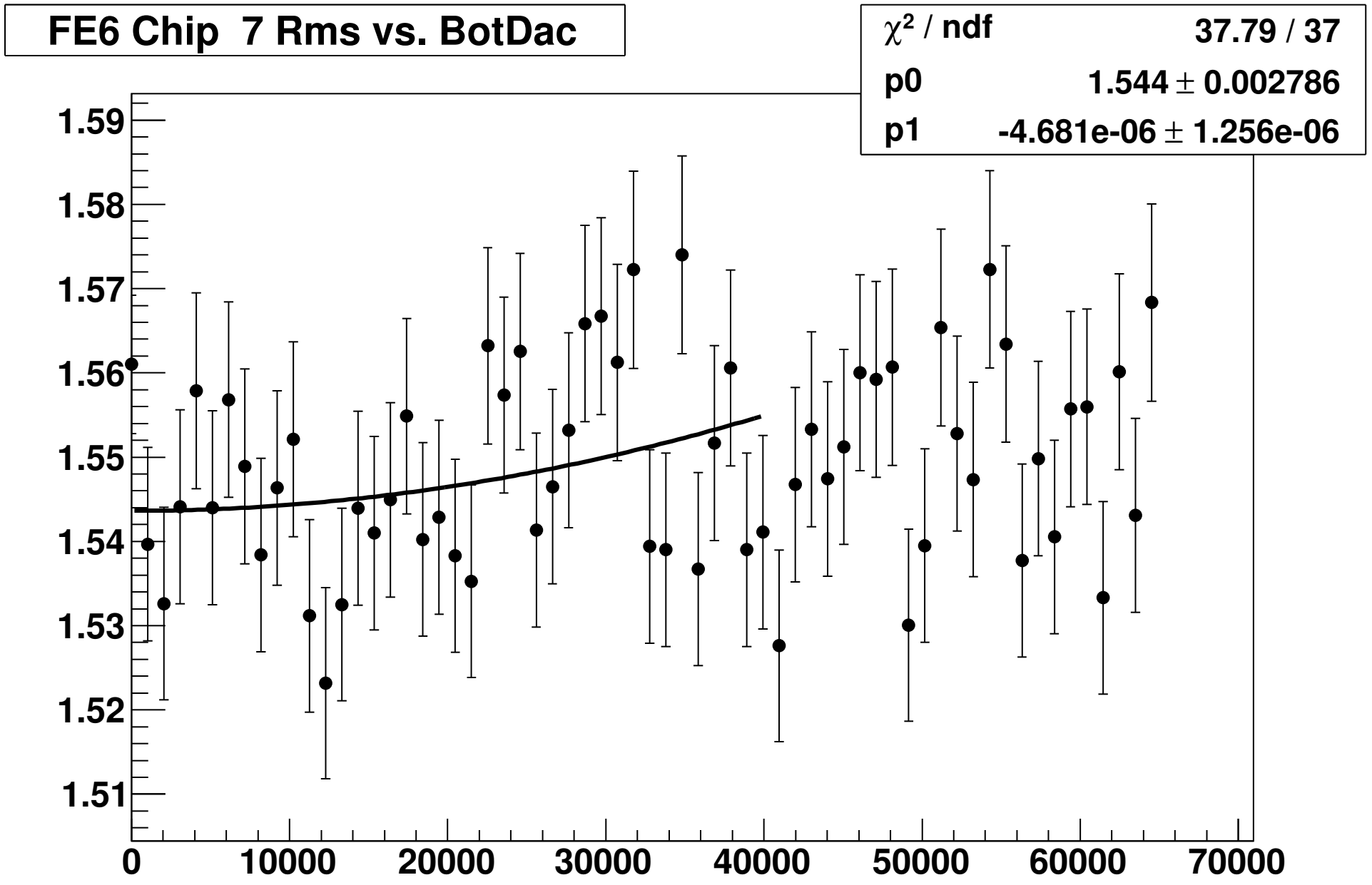
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 37.79 / 37
p0 1.544 ± 0.002786
p1 -4.681e-06 ± 1.256e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
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50000
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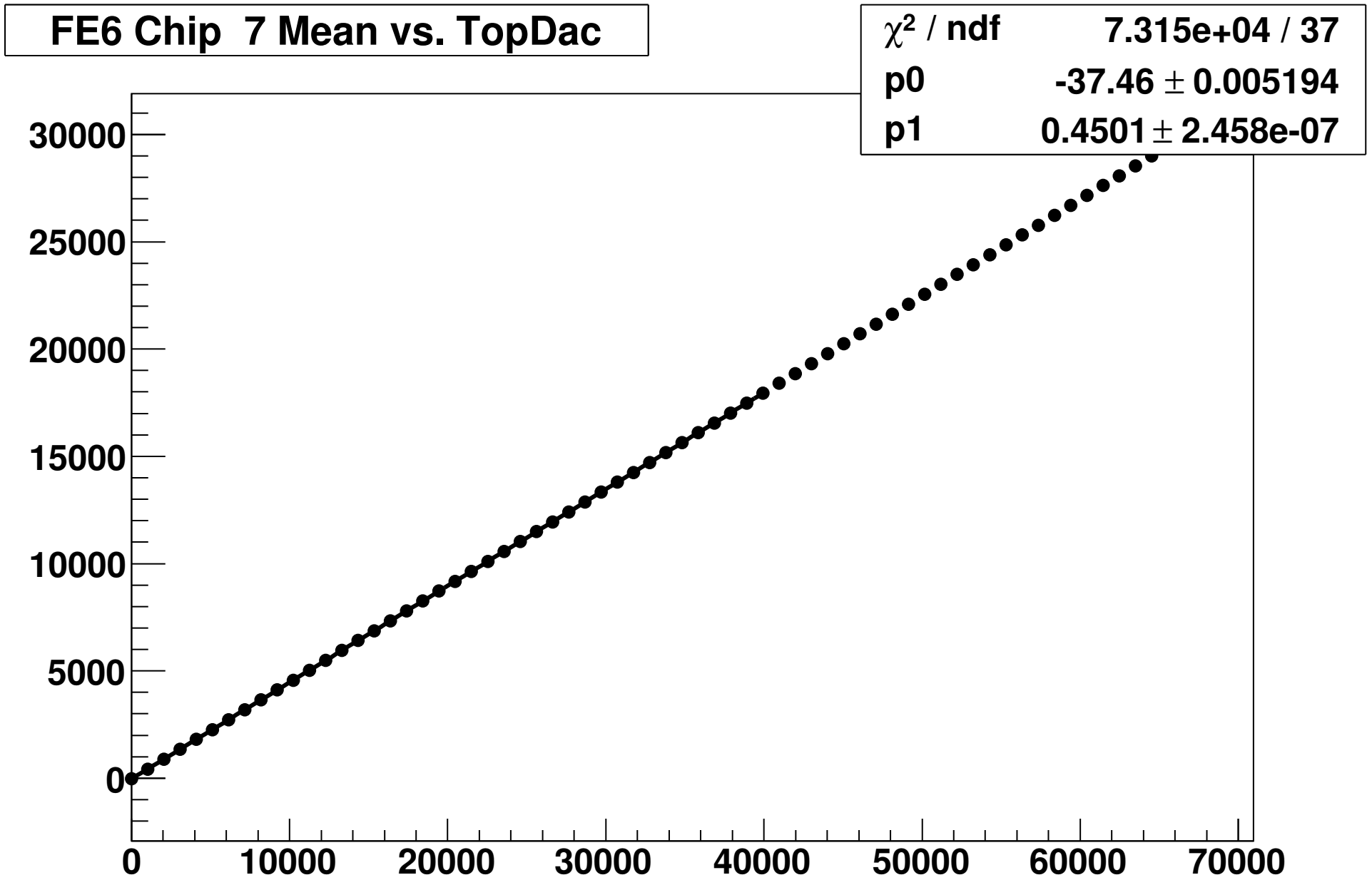
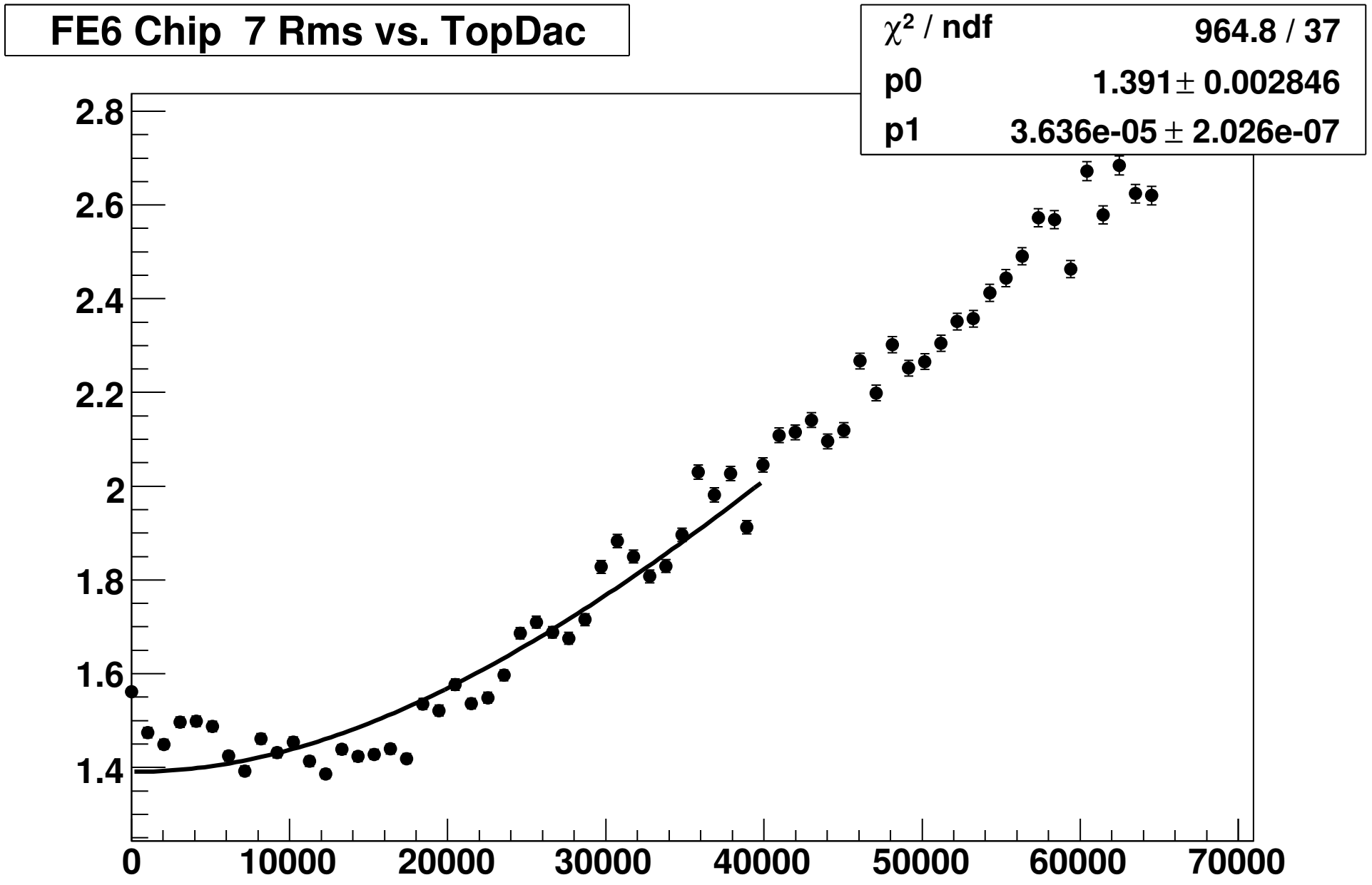

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 7.315e+04 / 37
p0 -37.46 ± 0.005194
p1 0.4501 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 964.8 / 37
p0 1.391 ± 0.002846
p1 3.636e-05 ± 2.026e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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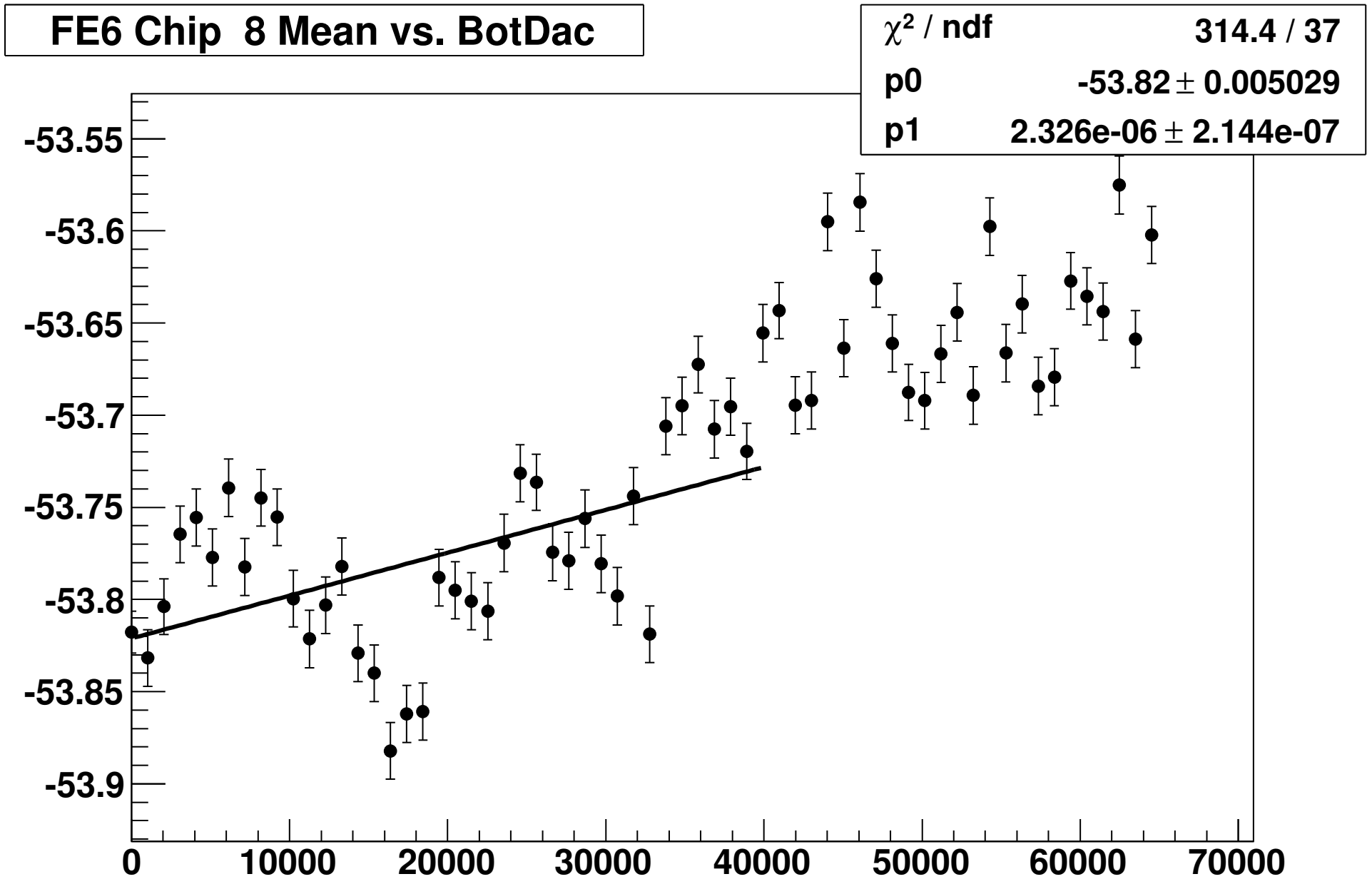
FE6 Chip 8 Mean vs. BotDac
χ² / ndf 314.4 / 37
p0 -53.82 ± 0.005029
p1 2.326e-06 ± 2.144e-07
-53.55
-53.6
-53.65
-53.7
-53.75
-53.8
-53.85
-53.9
0
10000
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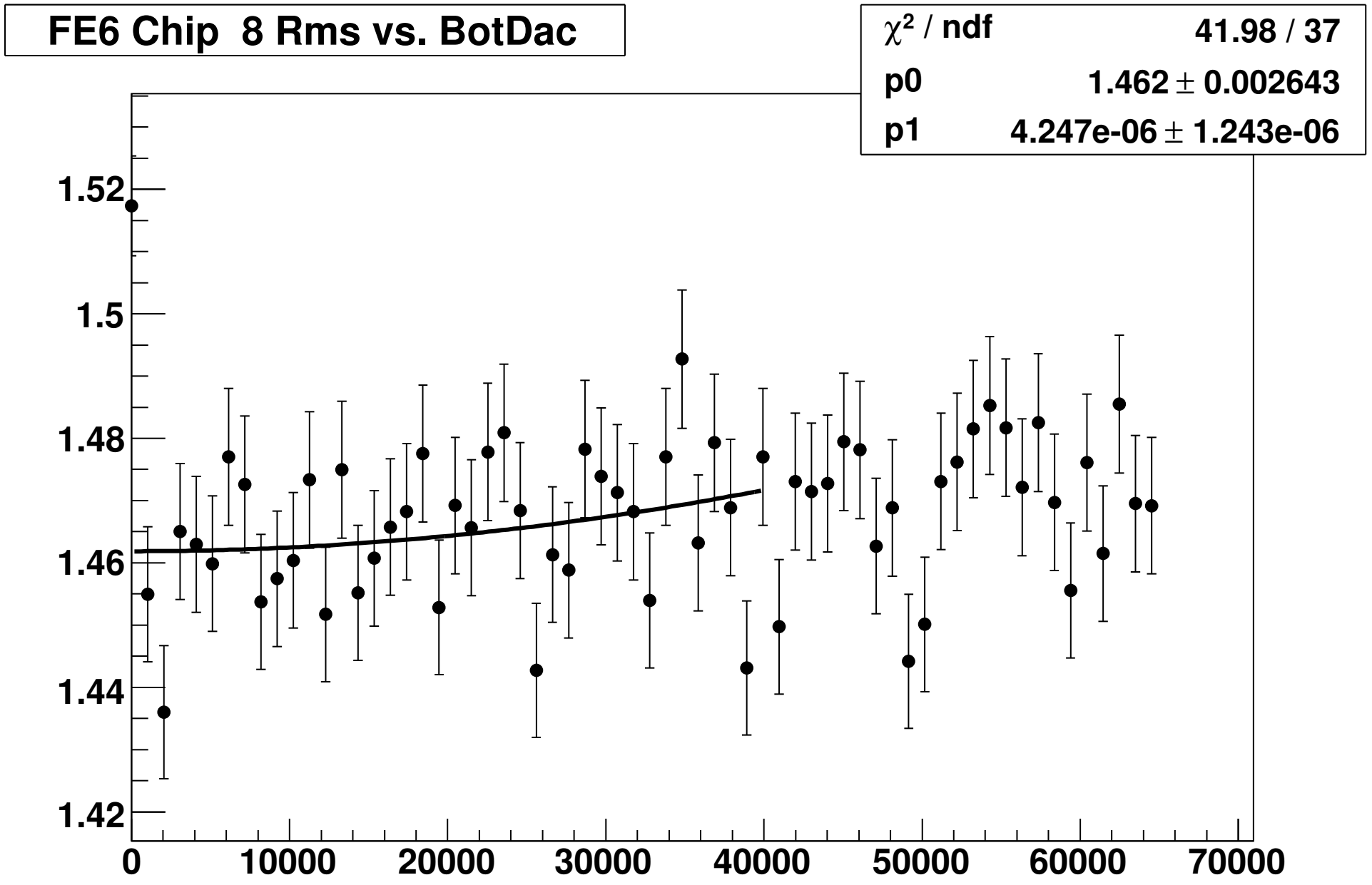
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 41.98 / 37
p0 1.462 ± 0.002643
p1 4.247e-06 ± 1.243e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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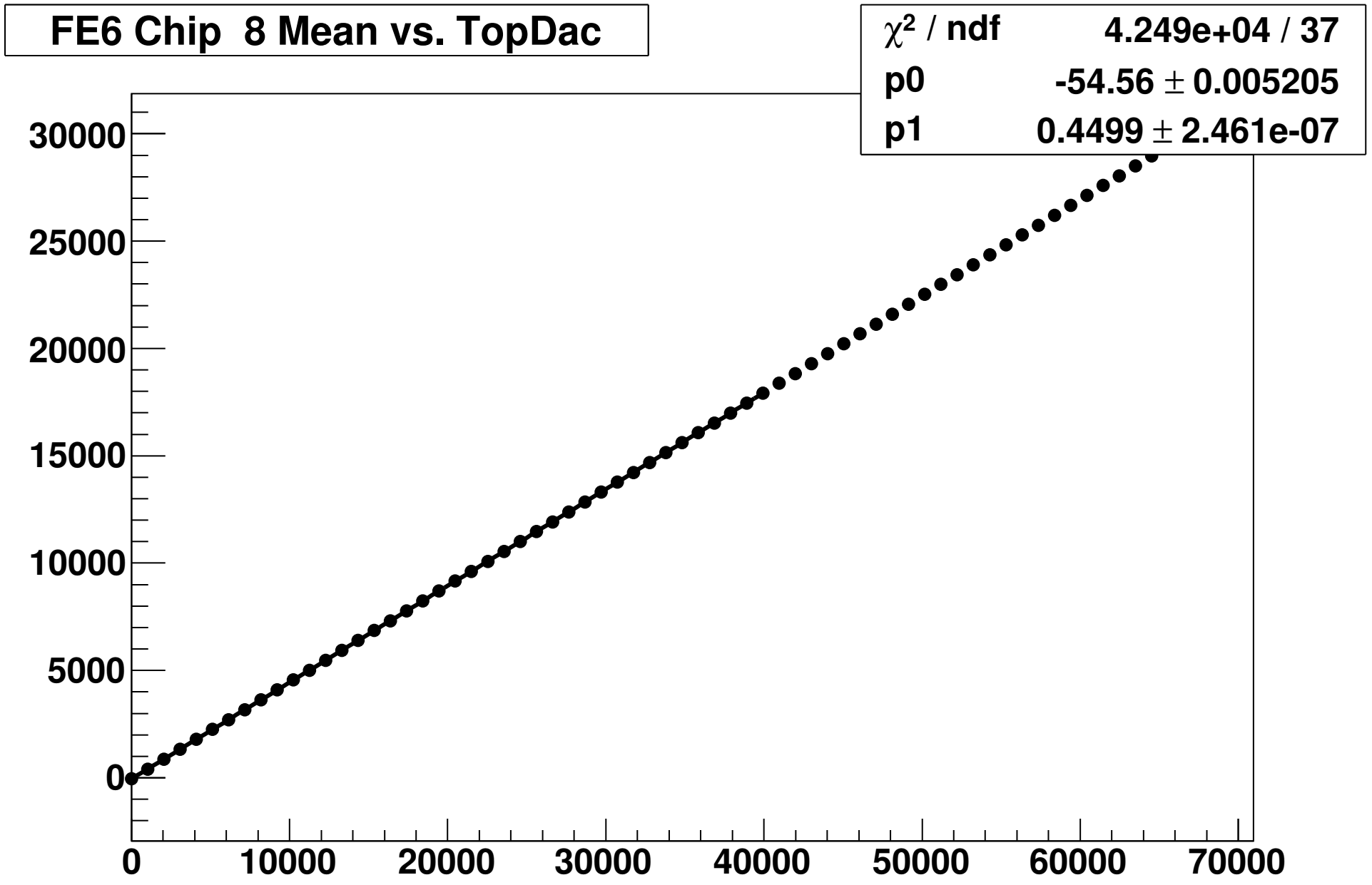
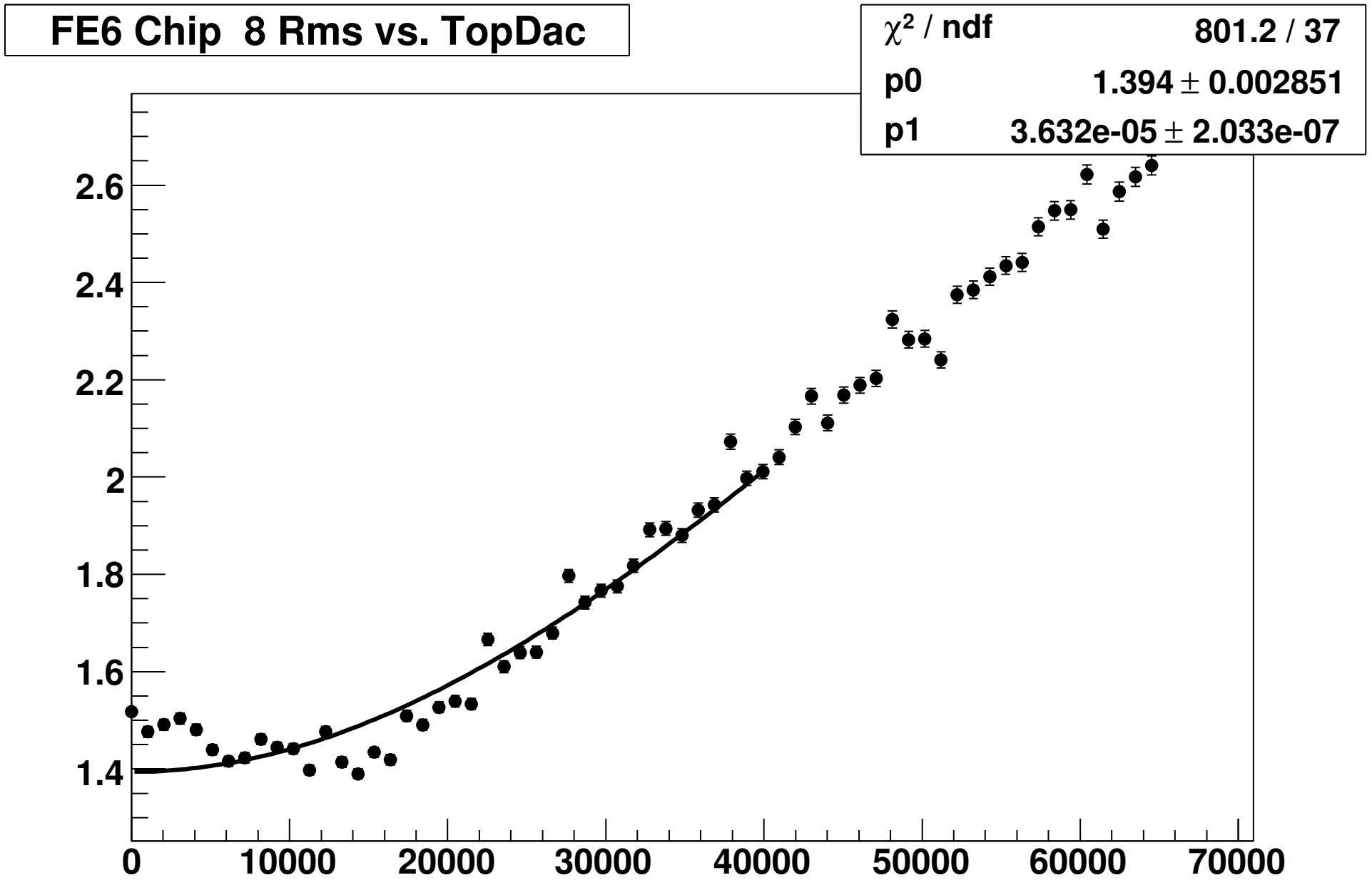
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 4.249e+04 / 37
p0 -54.56 ± 0.005205
p1 0.4499 ± 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 801.2 / 37
p0 1.394 ± 0.002851
p1 3.632e-05 ± 2.033e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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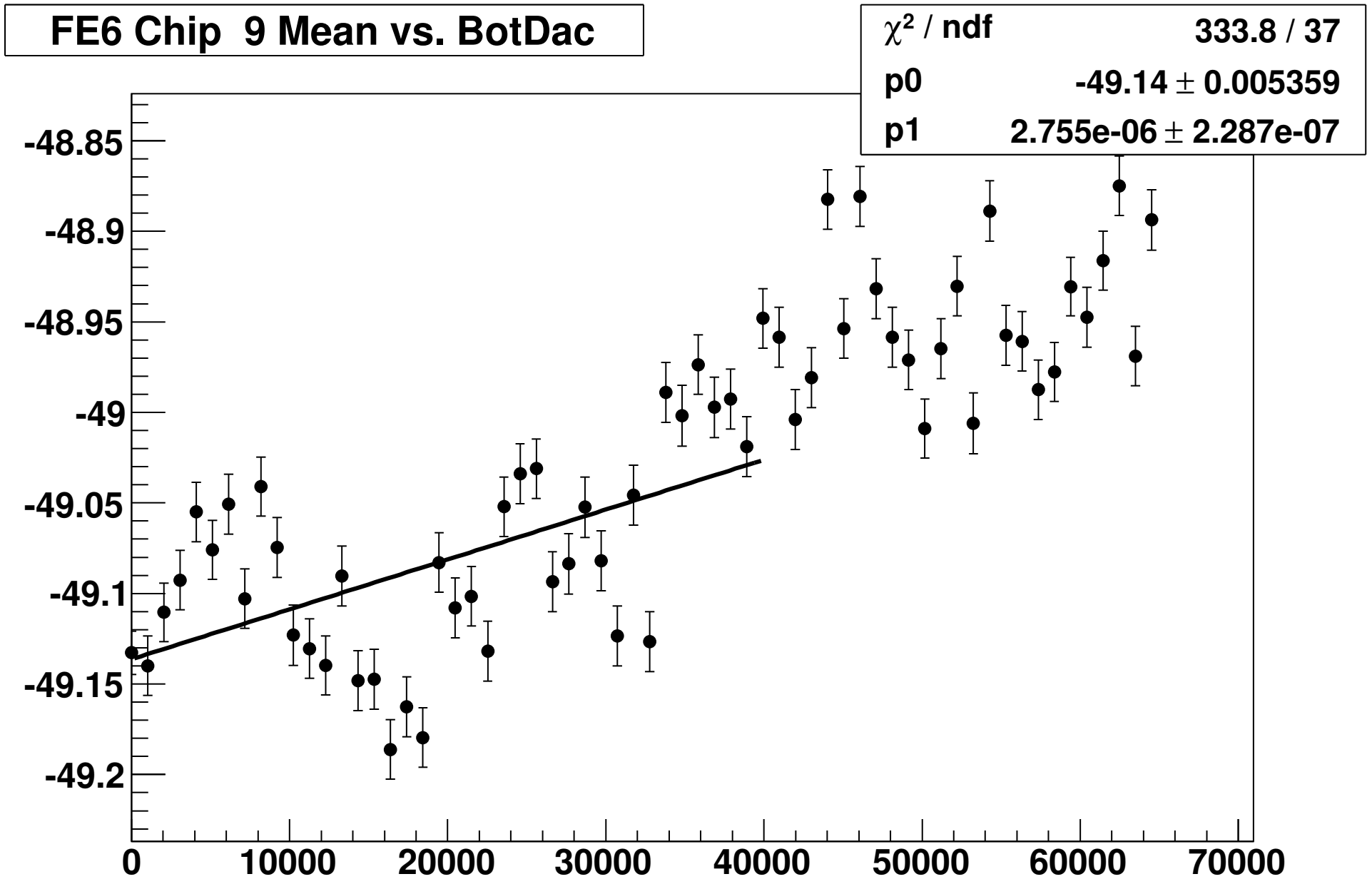
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 333.8 / 37
p0 -49.14 ± 0.005359
p1 2.755e-06 ± 2.287e-07
-48.85
-48.9
-48.95
-49
-49.05
-49.1
-49.15
-49.2
0
10000
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30000
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50000
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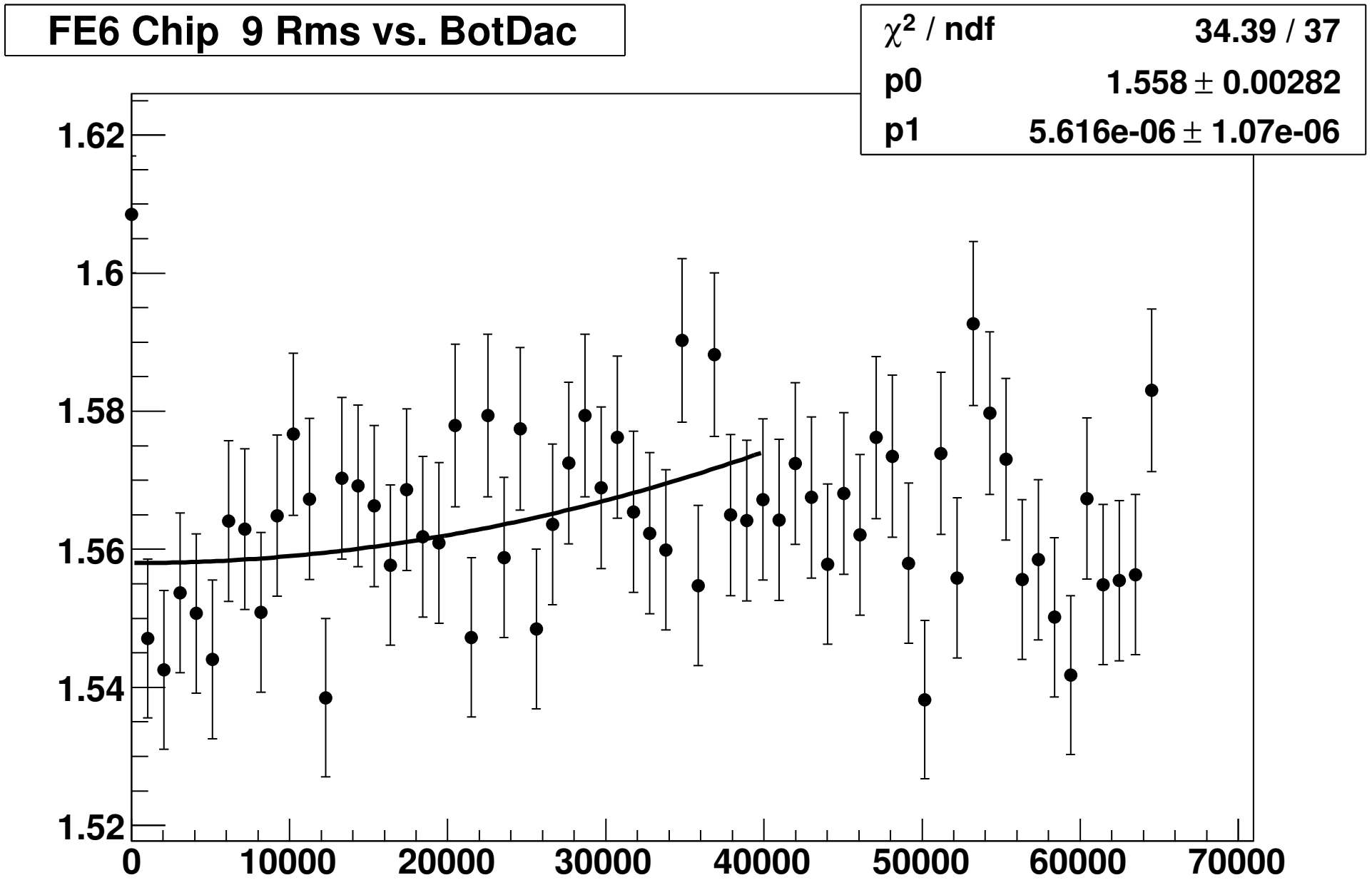
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 34.39 / 37
p0 1.558 ± 0.00282
p1 5.616e-06 ± 1.07e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
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50000
60000
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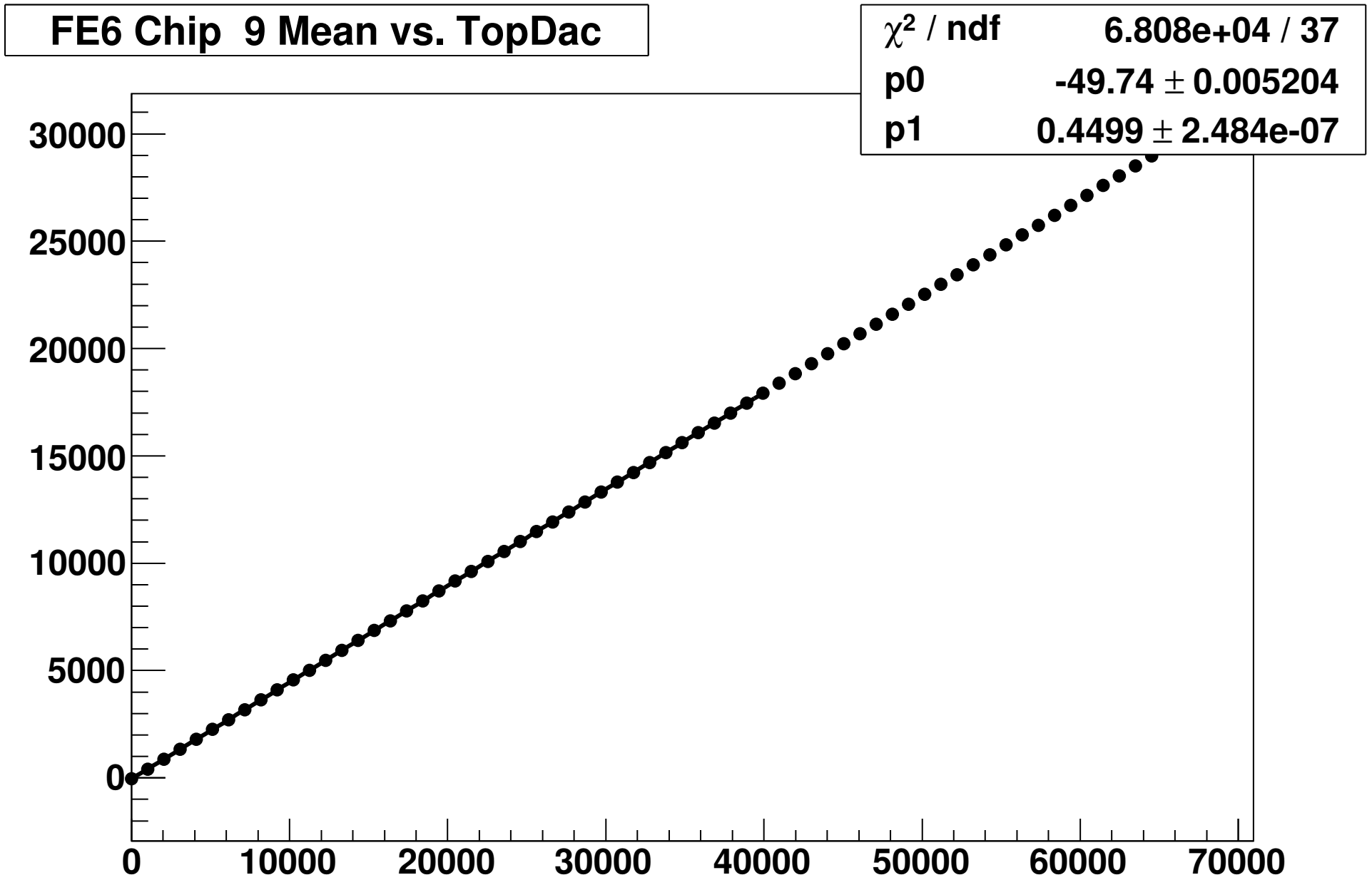
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 6.808e+04 / 37
p0 -49.74 ± 0.005204
p1 0.4499 ± 2.484e-07
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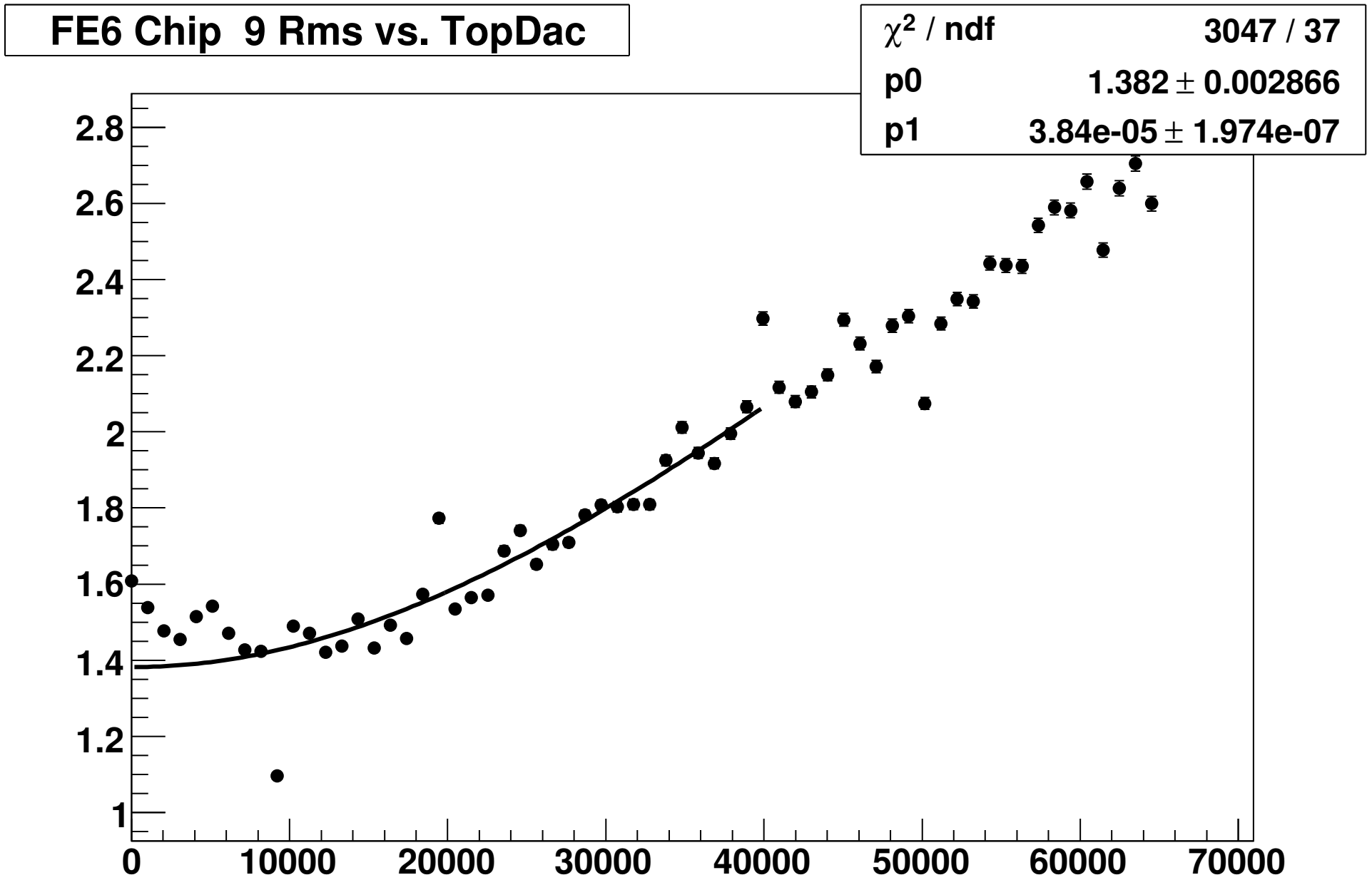
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 3047 / 37
p0 1.382 ± 0.002866
p1 3.84e-05 ± 1.974e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
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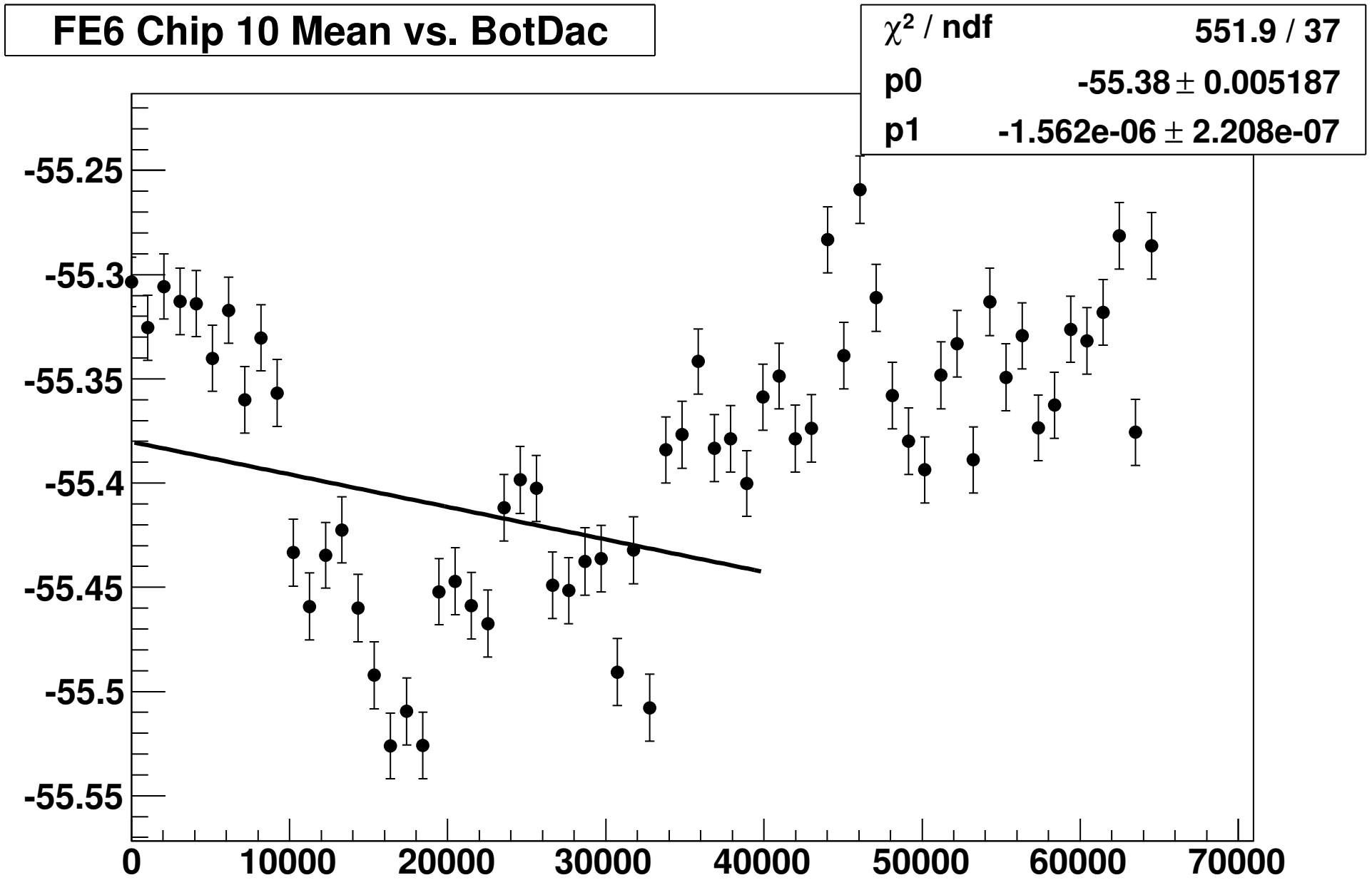
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 551.9 / 37
p0 -55.38 ± 0.005187
p1 -1.562e-06 ± 2.208e-07
-55.25
-55.3
-55.35
-55.4
-55.45
-55.5
-55.55
0
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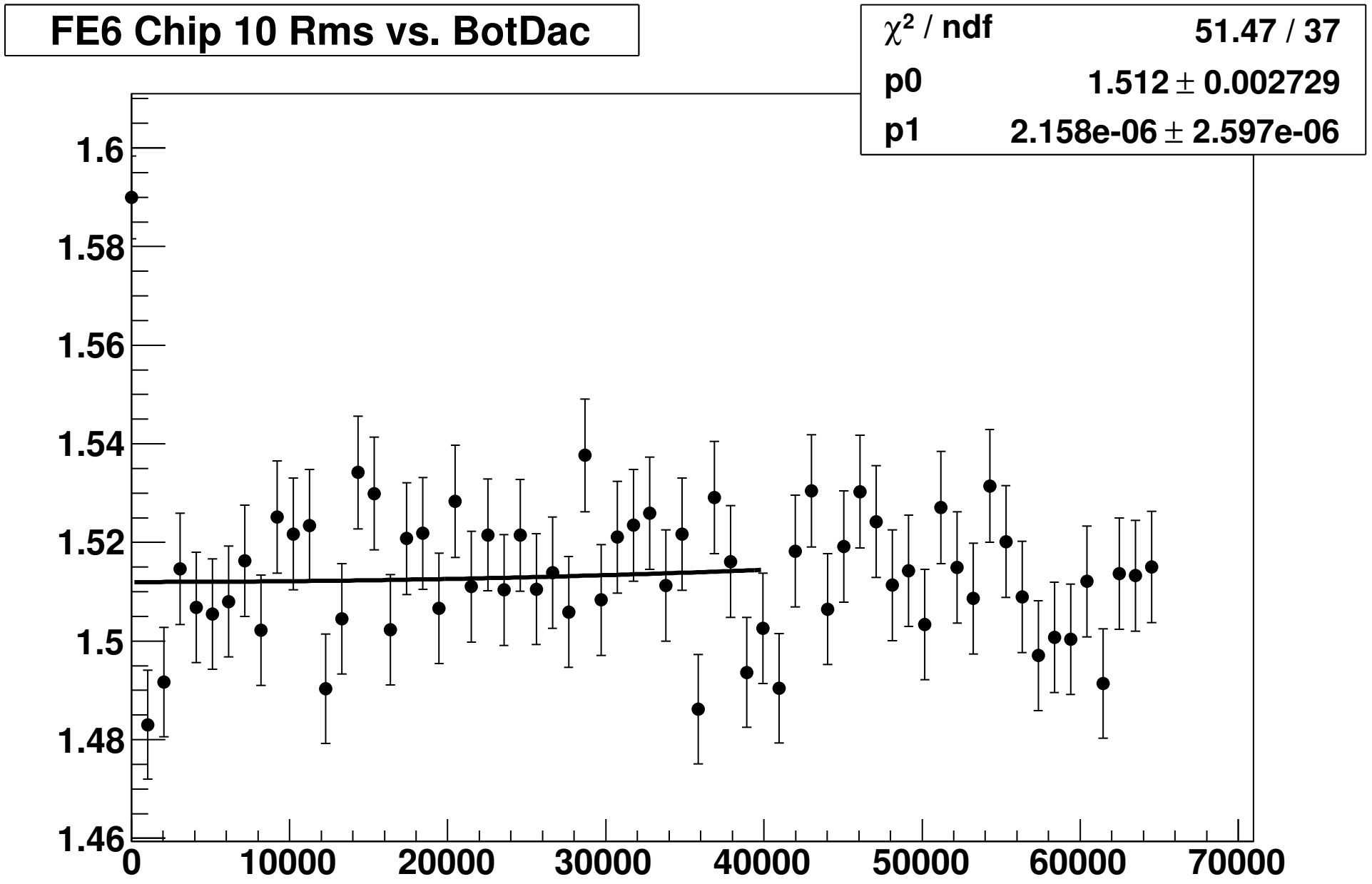
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 51.47 / 37
p0 1.512 ± 0.002729
p1 2.158e-06 ± 2.597e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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20000
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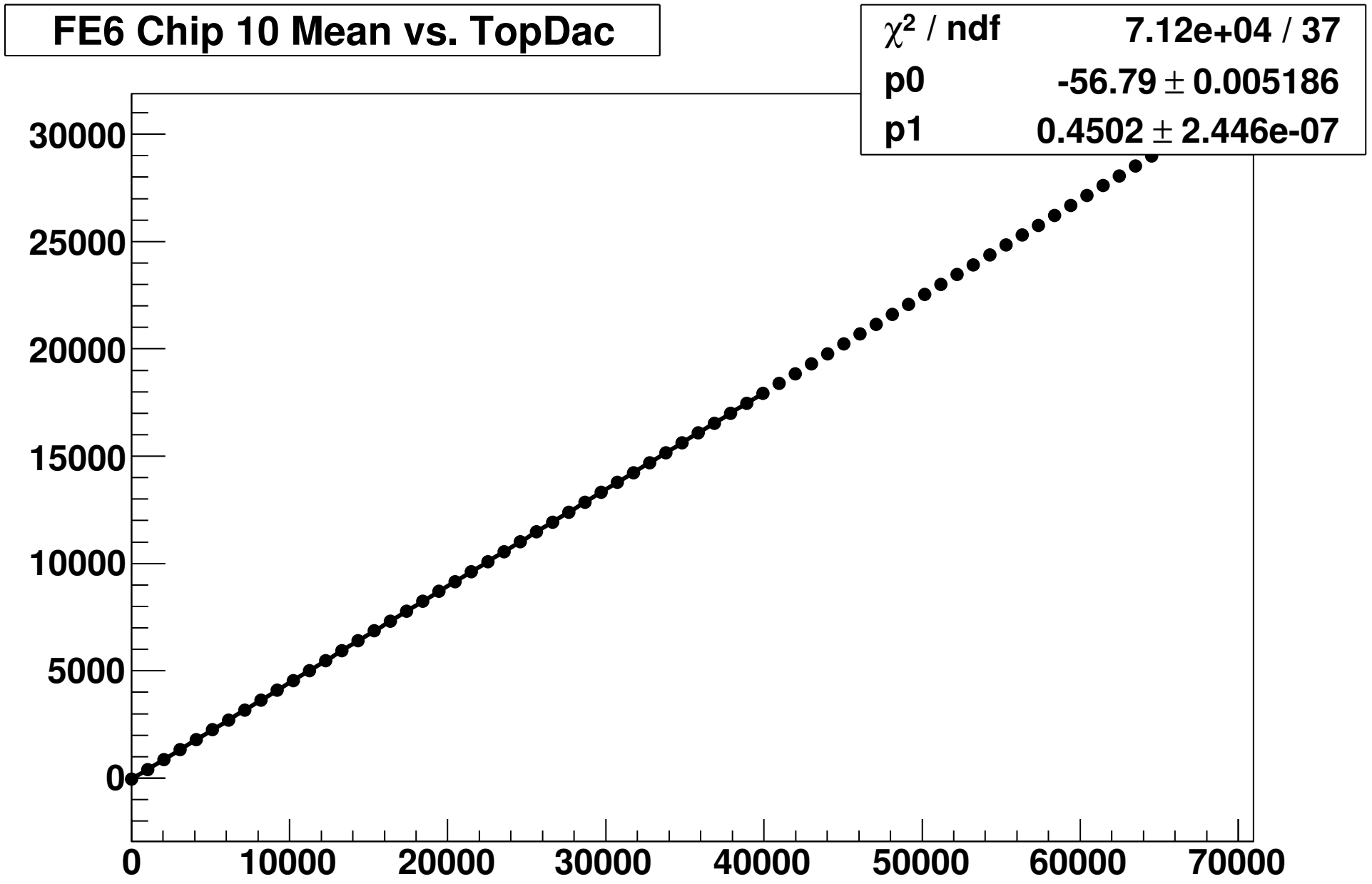
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 7.12e+04 / 37
p0 -56.79 ± 0.005186
p1 0.4502 ± 2.446e-07
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15000
10000
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0
10000
20000
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50000
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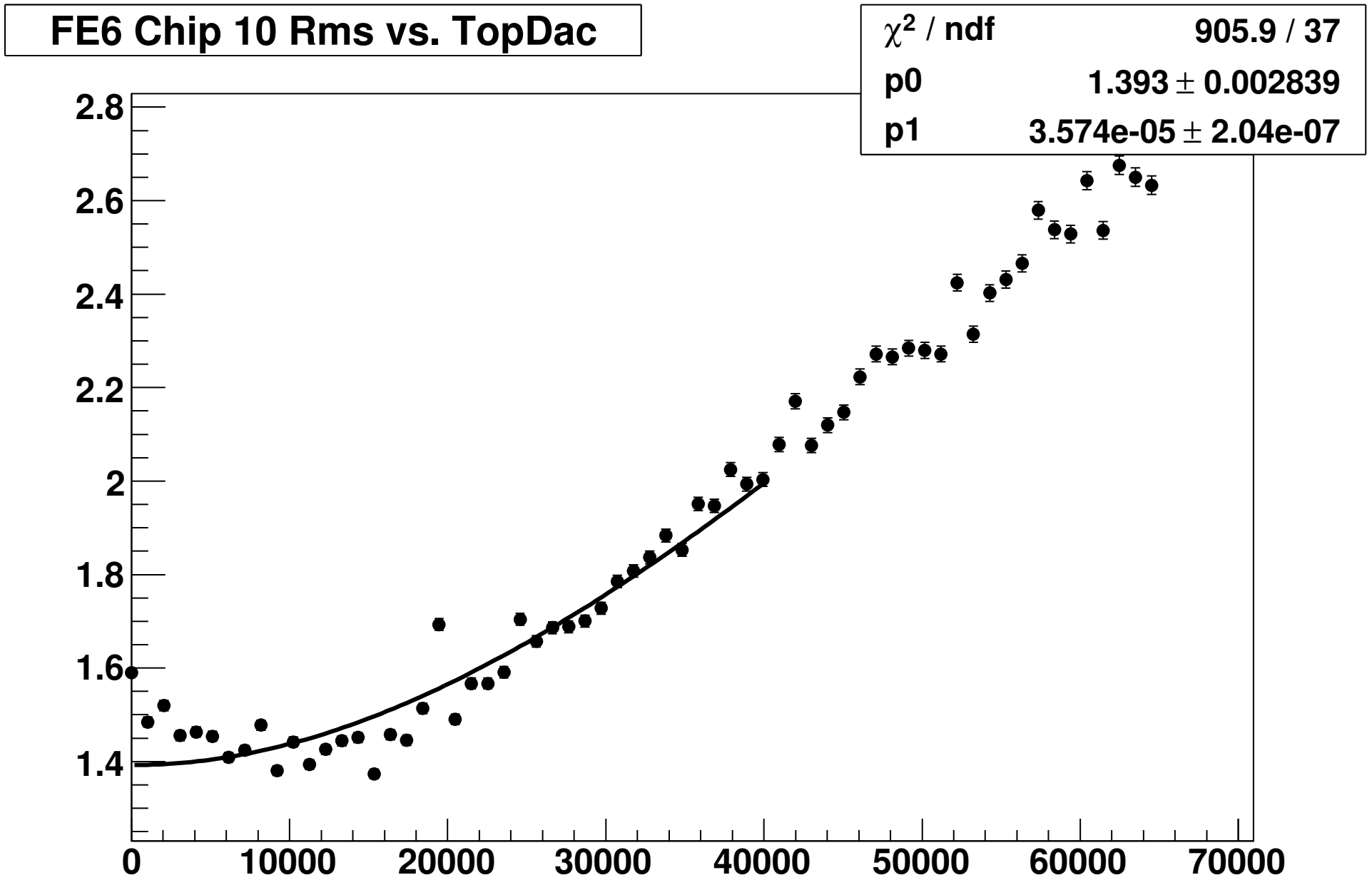
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 905.9 / 37
p0 1.393 ± 0.002839
p1 3.574e-05 ± 2.04e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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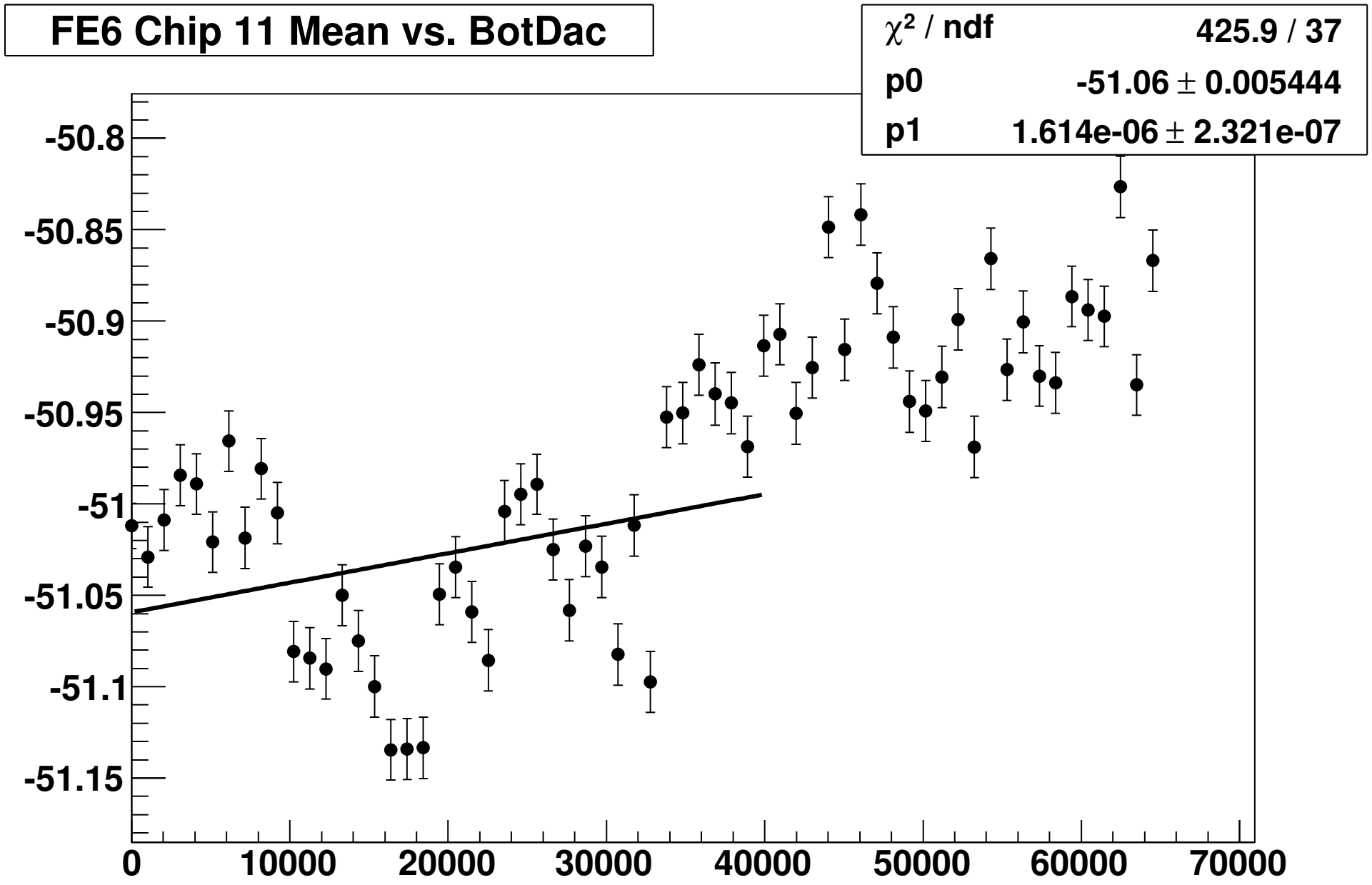
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 425.9 / 37
p0 -51.06 ± 0.005444
p1 1.614e-06 ± 2.321e-07
-50.8
-50.85
-50.9
-50.95
-51
-51.05
-51.1
-51.15
0
10000
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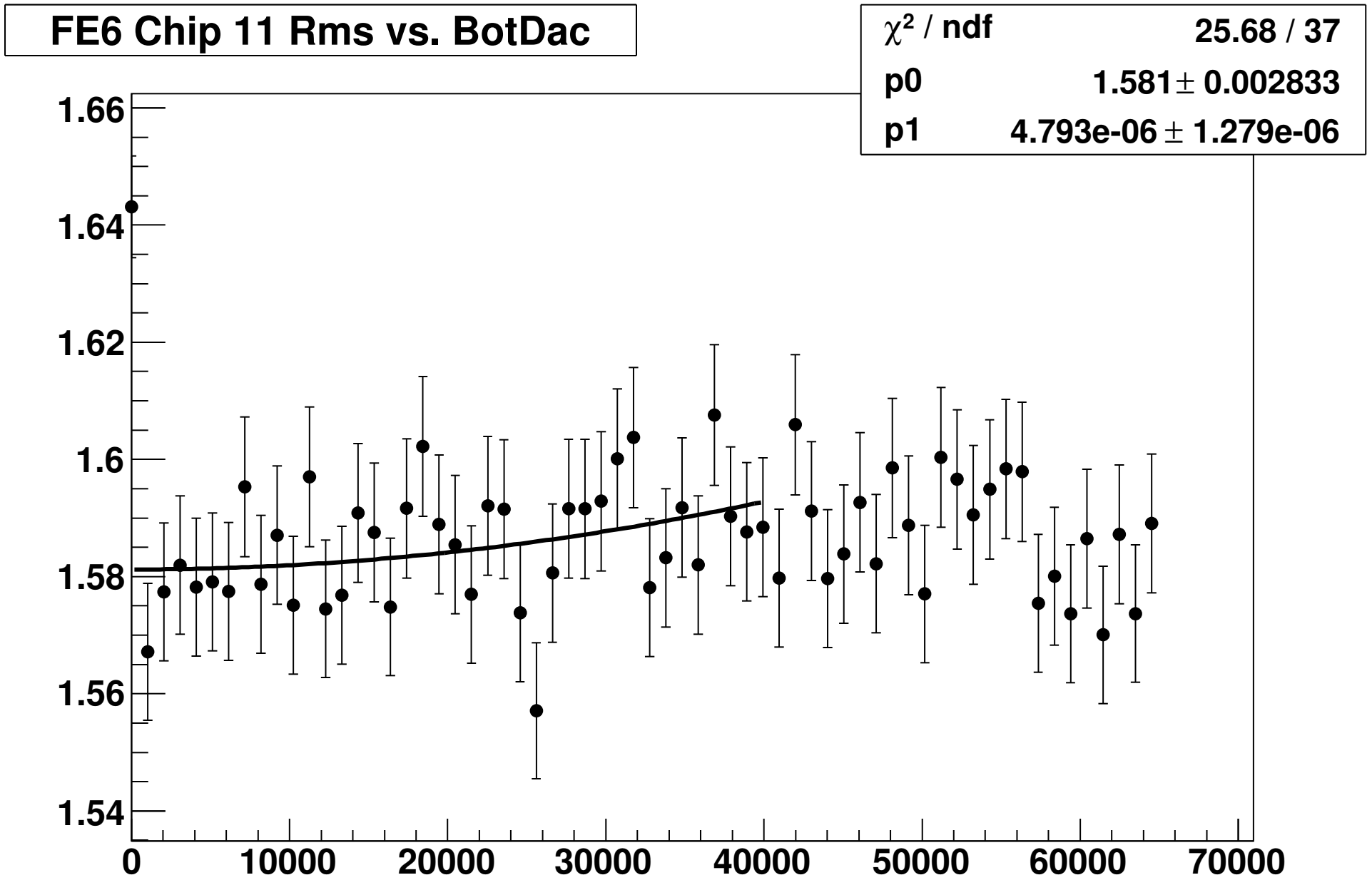
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 25.68 / 37
p0 1.581 ± 0.002833
p1 4.793e-06 ± 1.279e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
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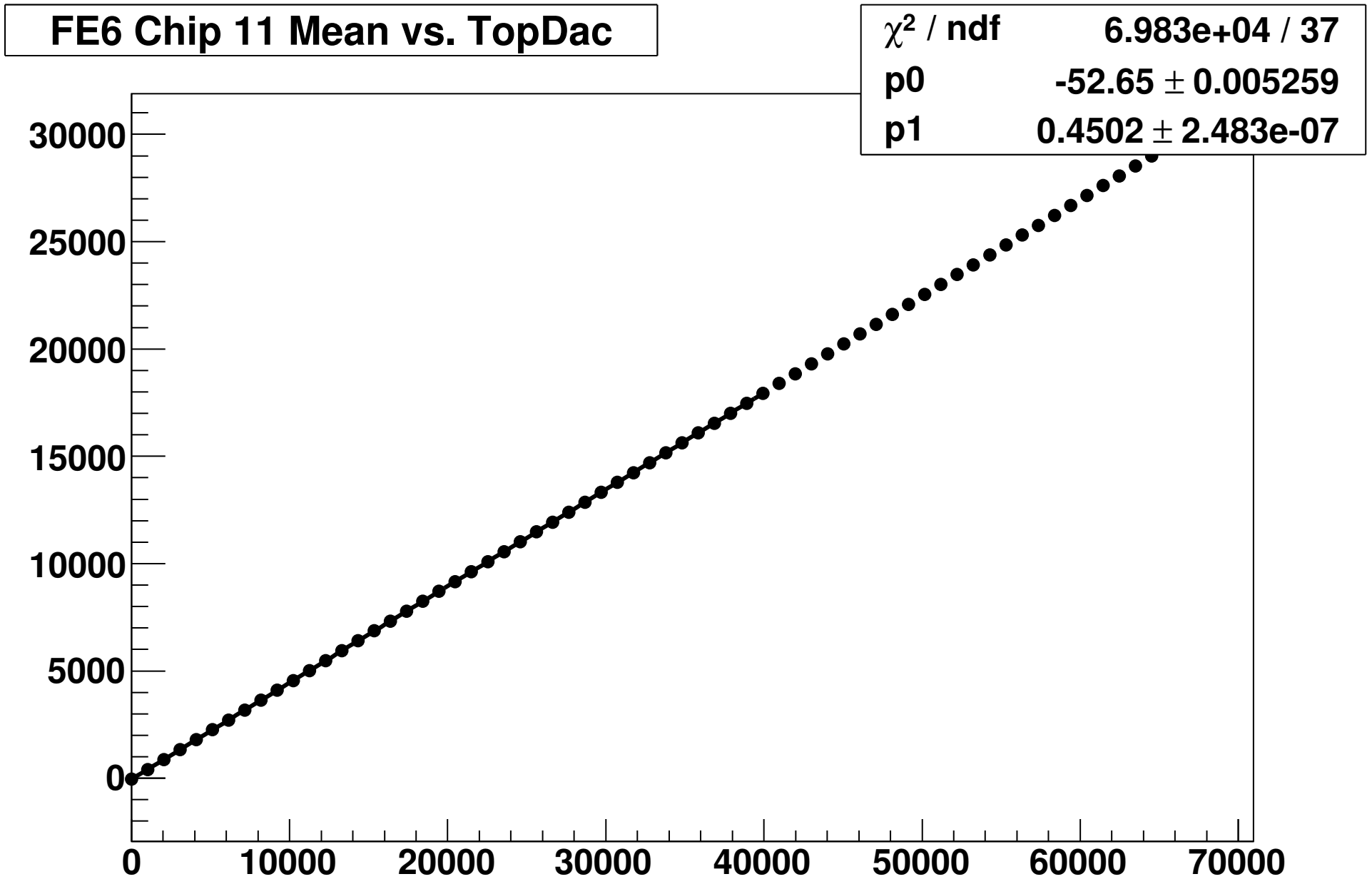
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 6.983e+04 / 37
p0 -52.65 ± 0.005259
p1 0.4502 ± 2.483e-07
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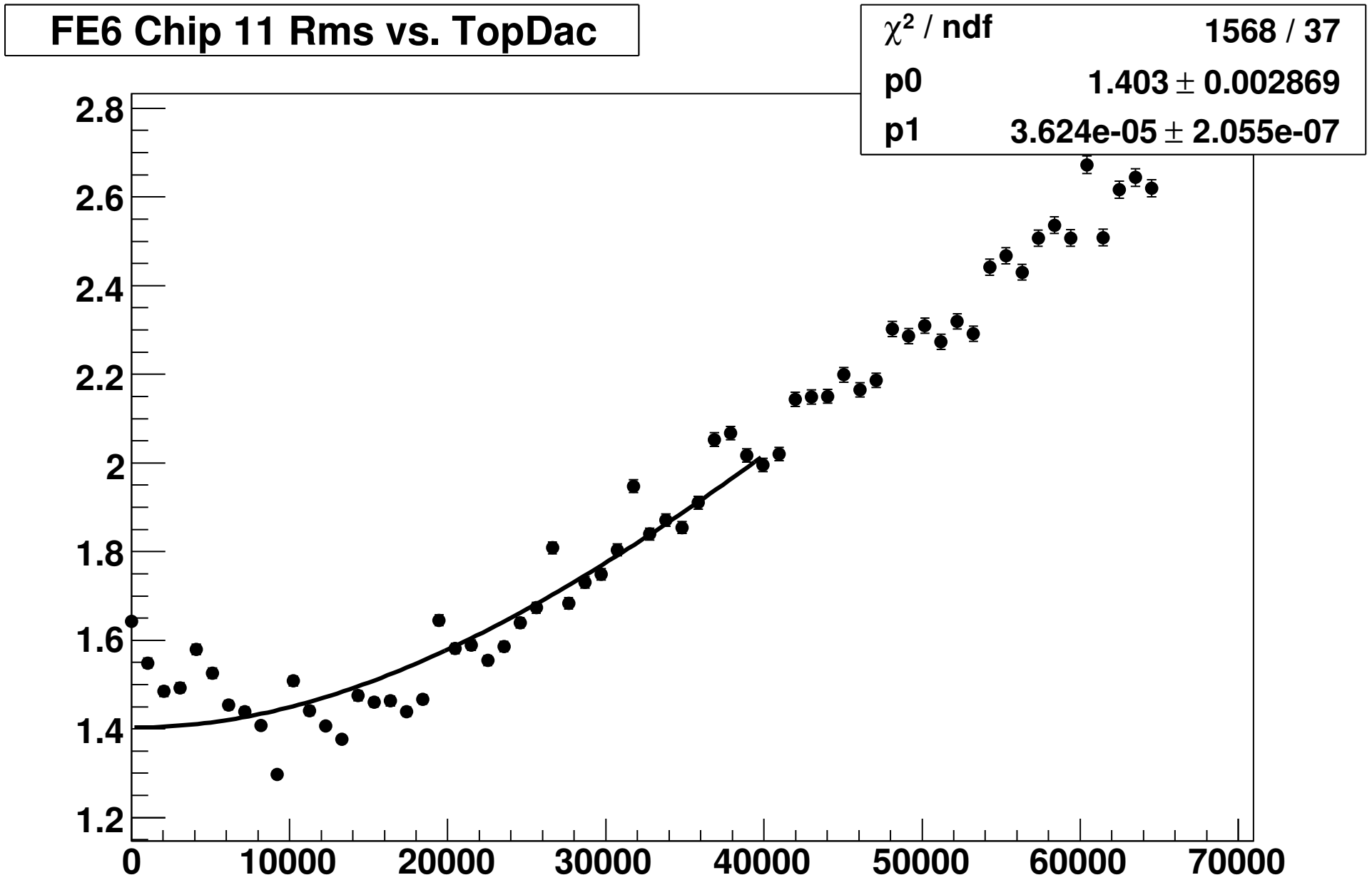
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1568 / 37
p0 1.403 ± 0.002869
p1 3.624e-05 ± 2.055e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
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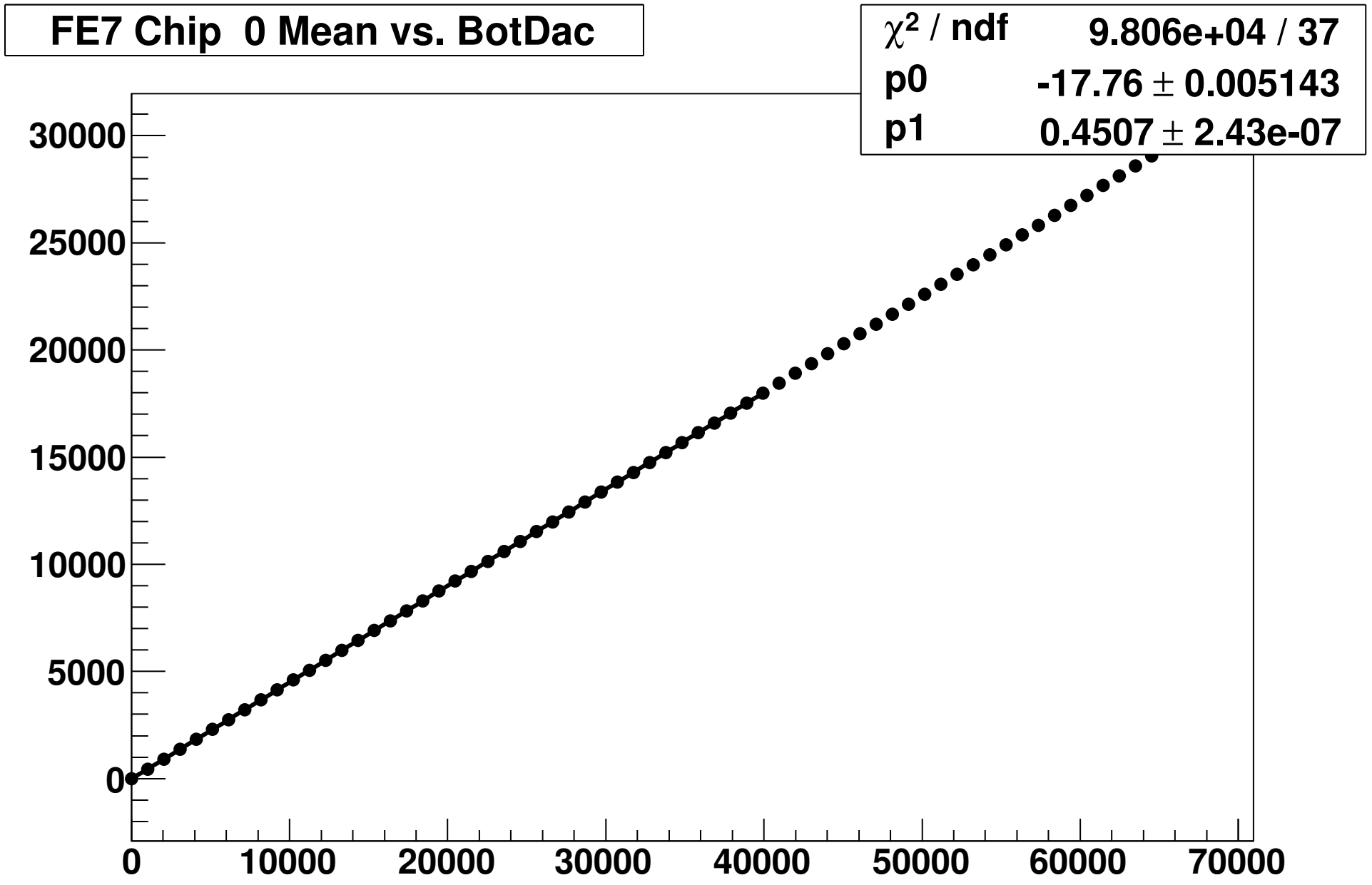
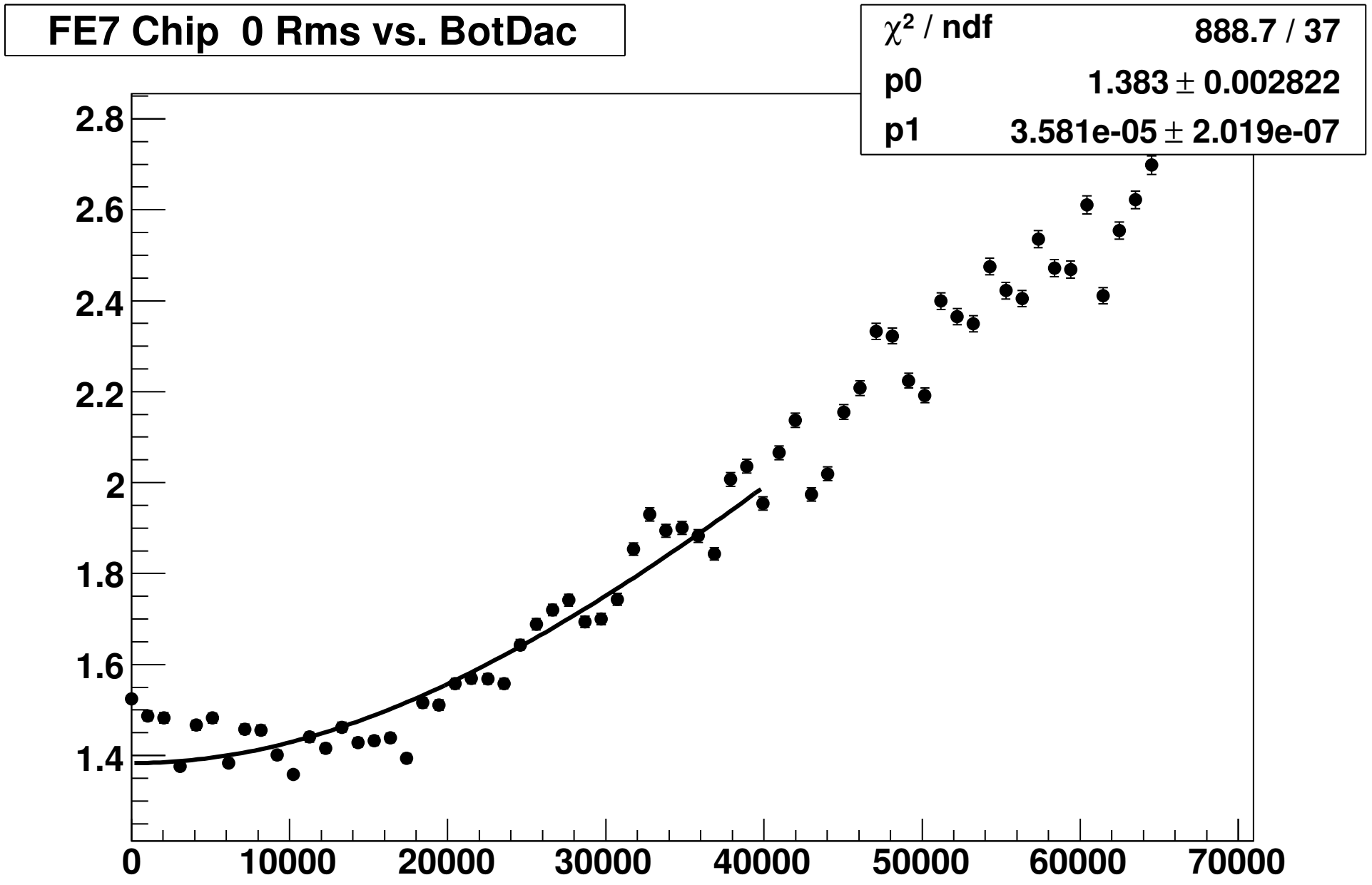

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 9.806e+04 / 37
p0 -17.76 ± 0.005143
p1 0.4507 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 888.7 / 37
p0 1.383 ± 0.002822
p1 3.581e-05 ± 2.019e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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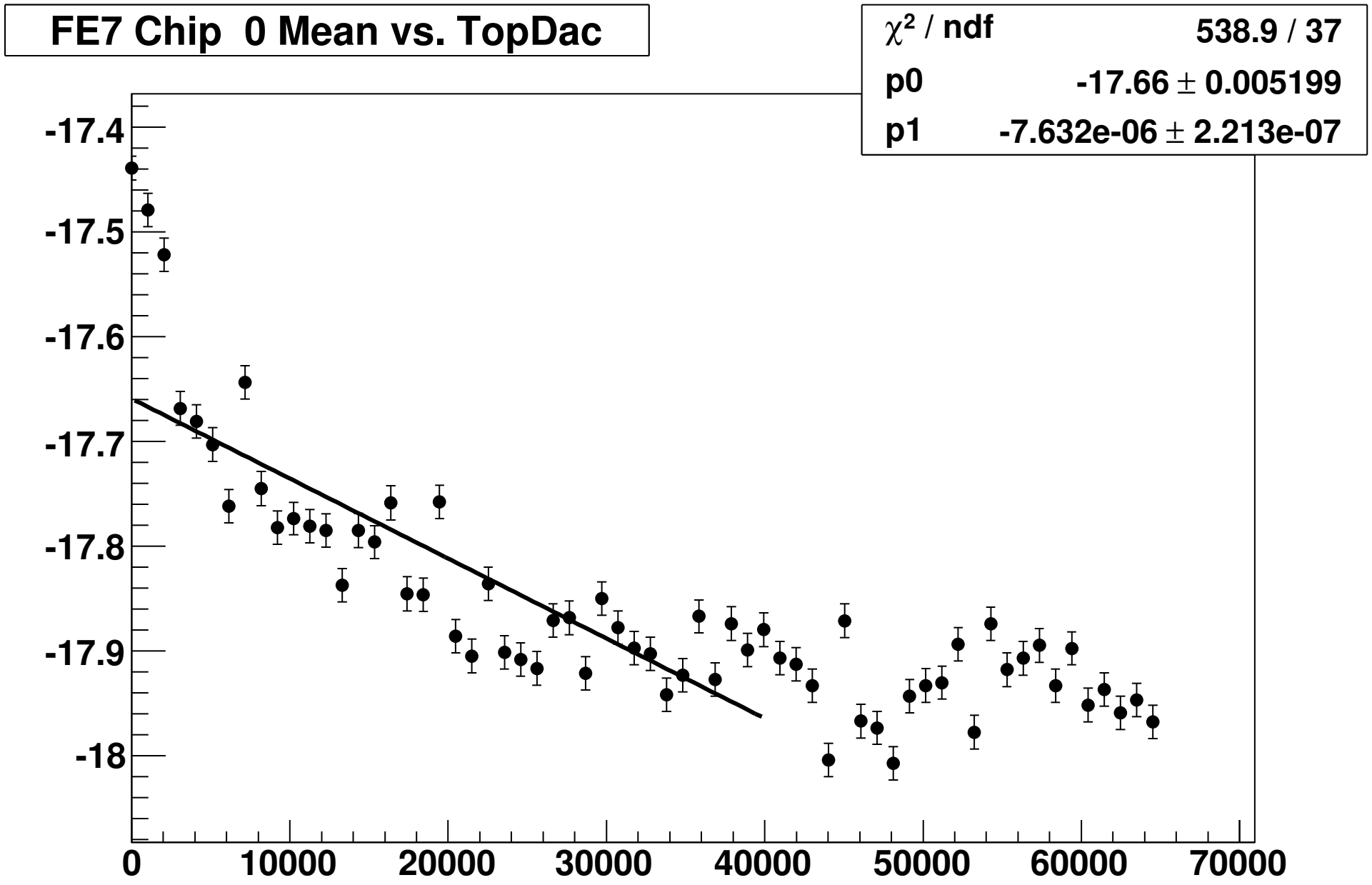
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 538.9 / 37
p0 -17.66 ± 0.005199
p1 -7.632e-06 ± 2.213e-07
-17.4
-17.5
-17.6
-17.7
-17.8
-17.9
-18
0
10000
20000
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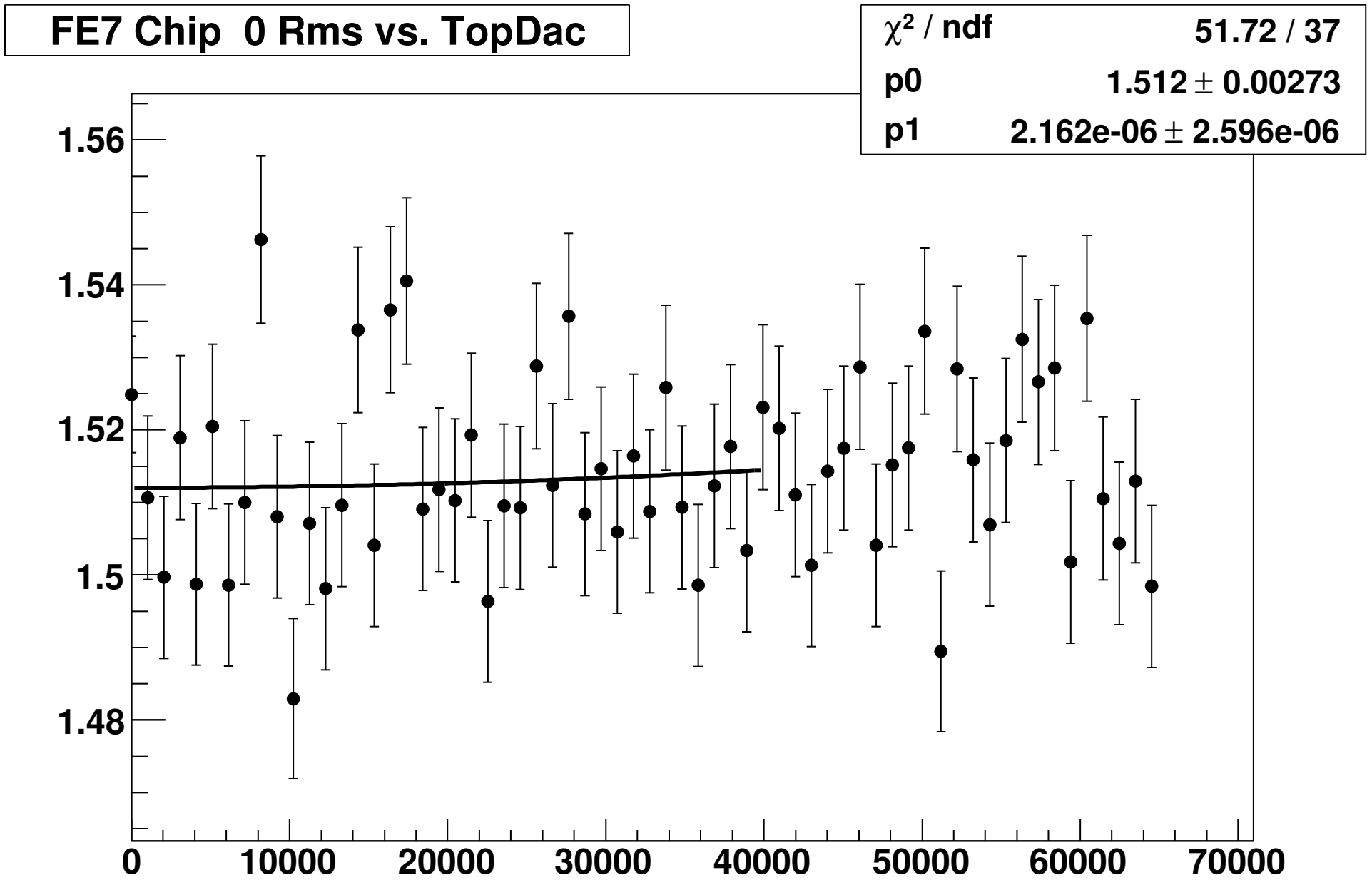
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 51.72 / 37
p0 1.512 ± 0.00273
p1 2.162e-06 ± 2.596e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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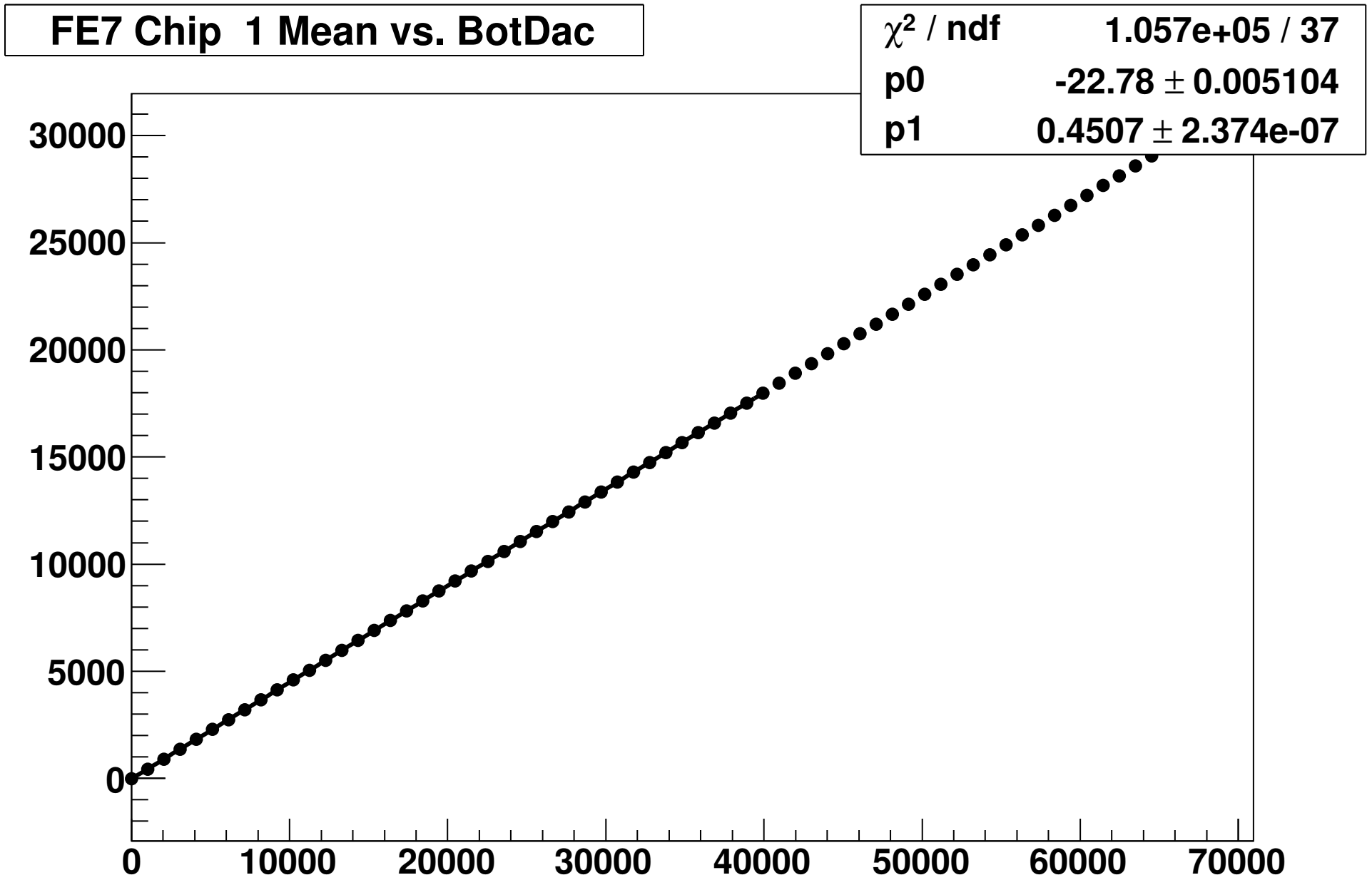
50000
60000
70000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.057e+05 / 37
p0 -22.78 ± 0.005104
p1 0.4507 ± 2.374e-07
30000
25000
20000
15000
10000
5000
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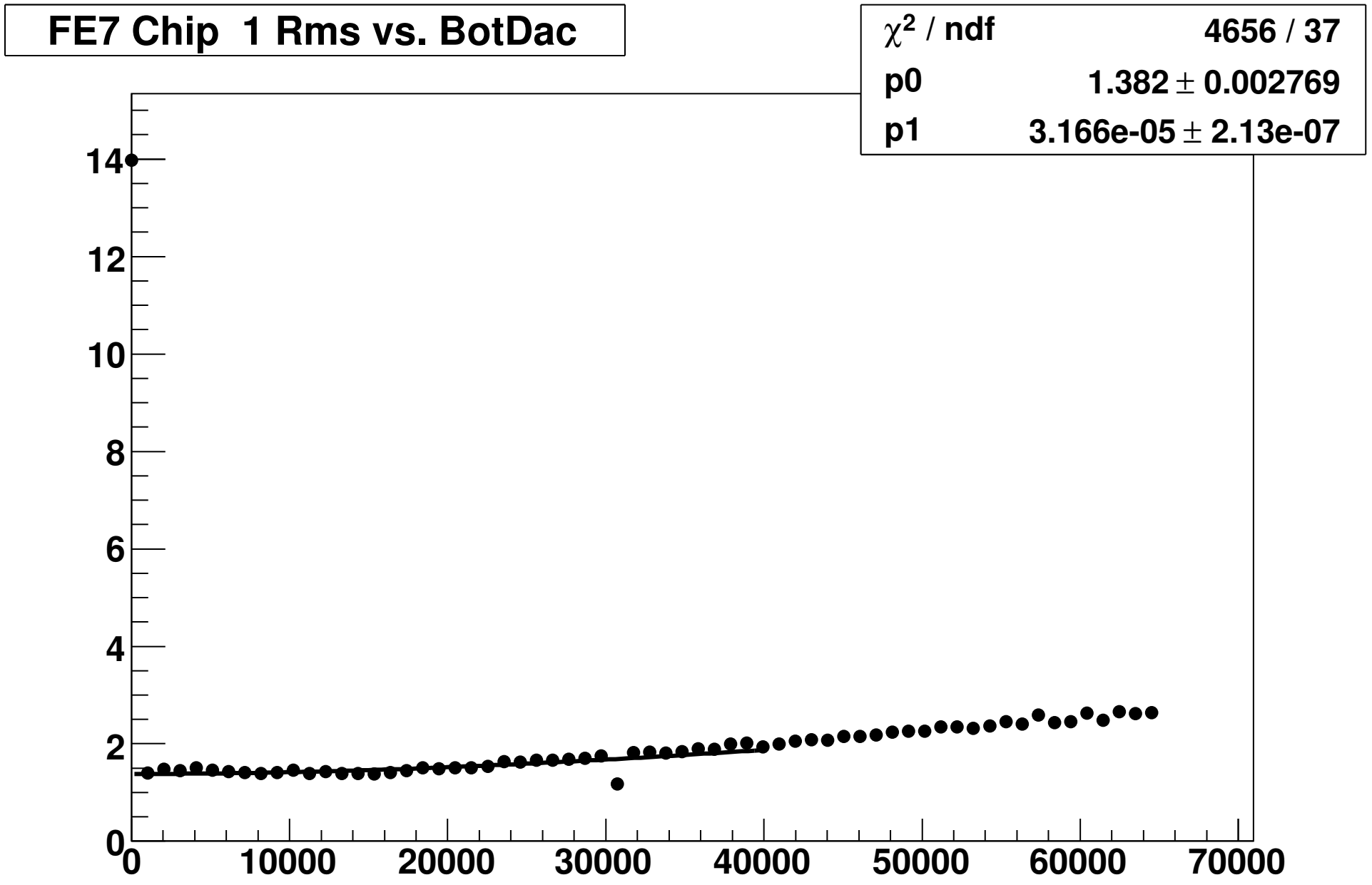
FE7 Chip 1 Rms vs. BotDac
χ² / ndf 4656 / 37
p0 1.382 ± 0.002769
p1 3.166e-05 ± 2.13e-07
14
12
10
8
6
4
2
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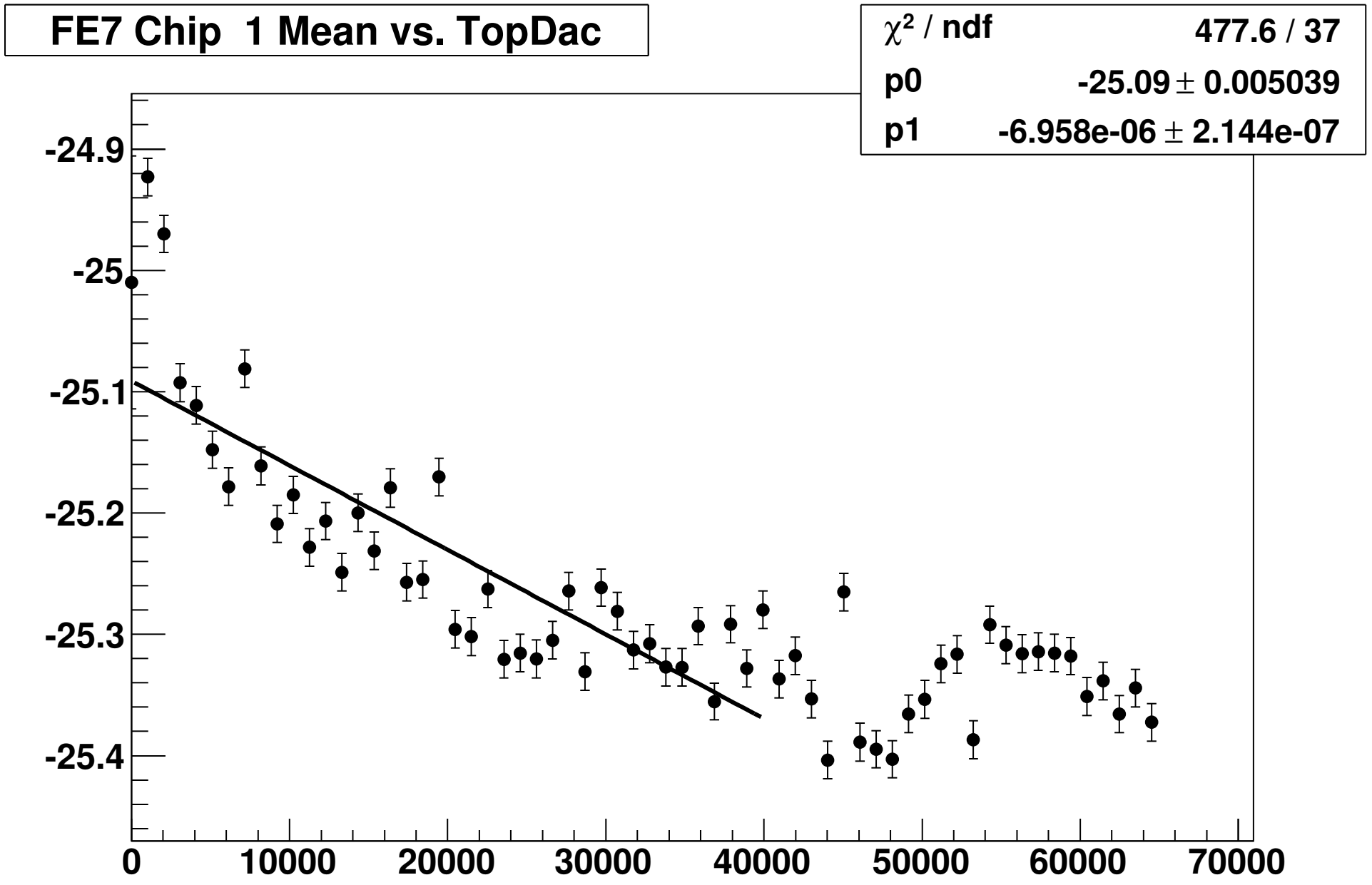
FE7 Chip 1 Mean vs. TopDac
χ² / ndf 477.6 / 37
p0 -25.09 ± 0.005039
p1 -6.958e-06 ± 2.144e-07
-24.9
-25
-25.1
-25.2
-25.3
-25.4
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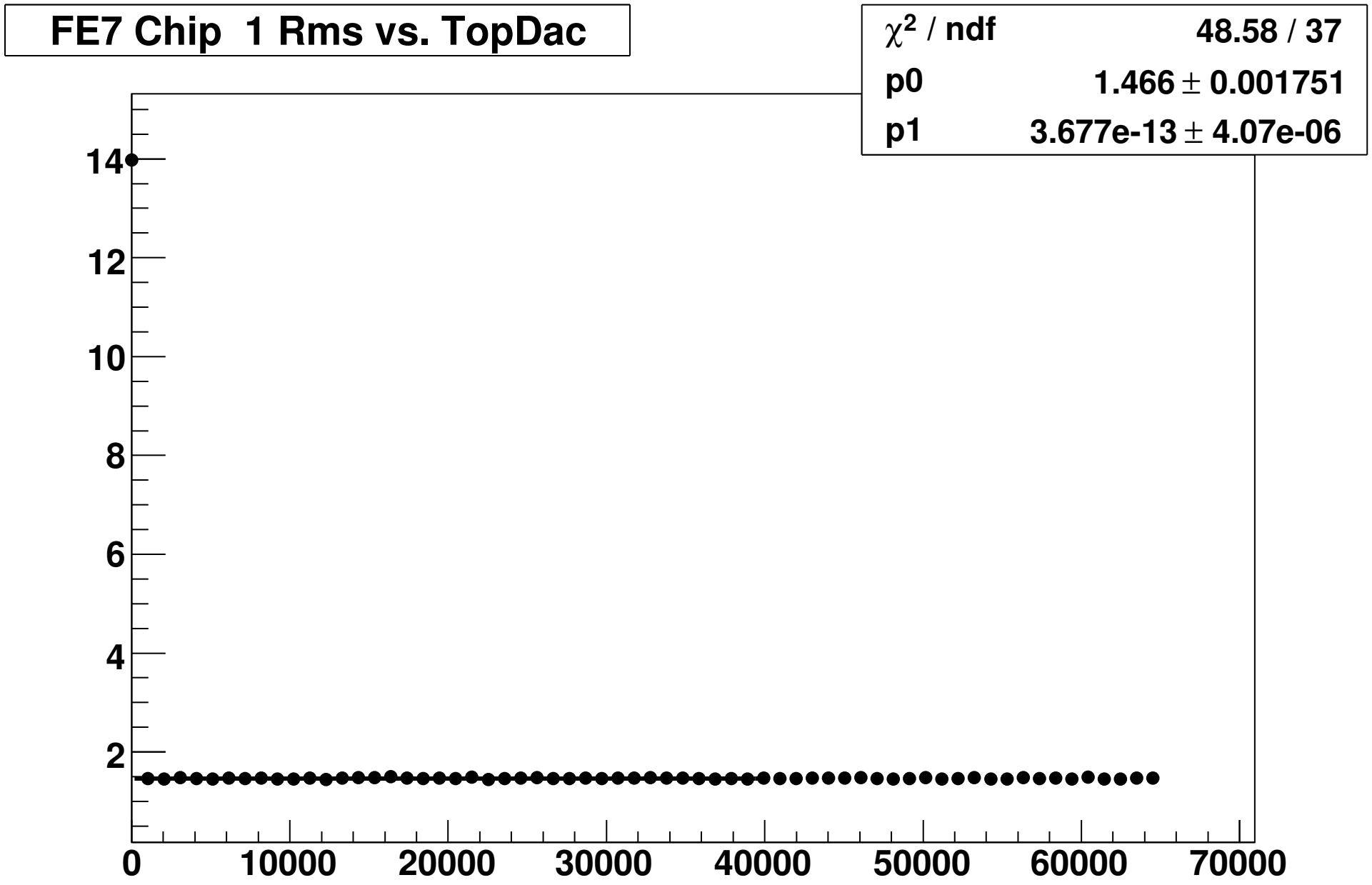
FE7 Chip 1 Rms vs. TopDac
χ² / ndf 48.58 / 37
p0 1.466 ± 0.001751
p1 3.677e-13 ± 4.07e-06
14
12
10
8
6
4
2
0
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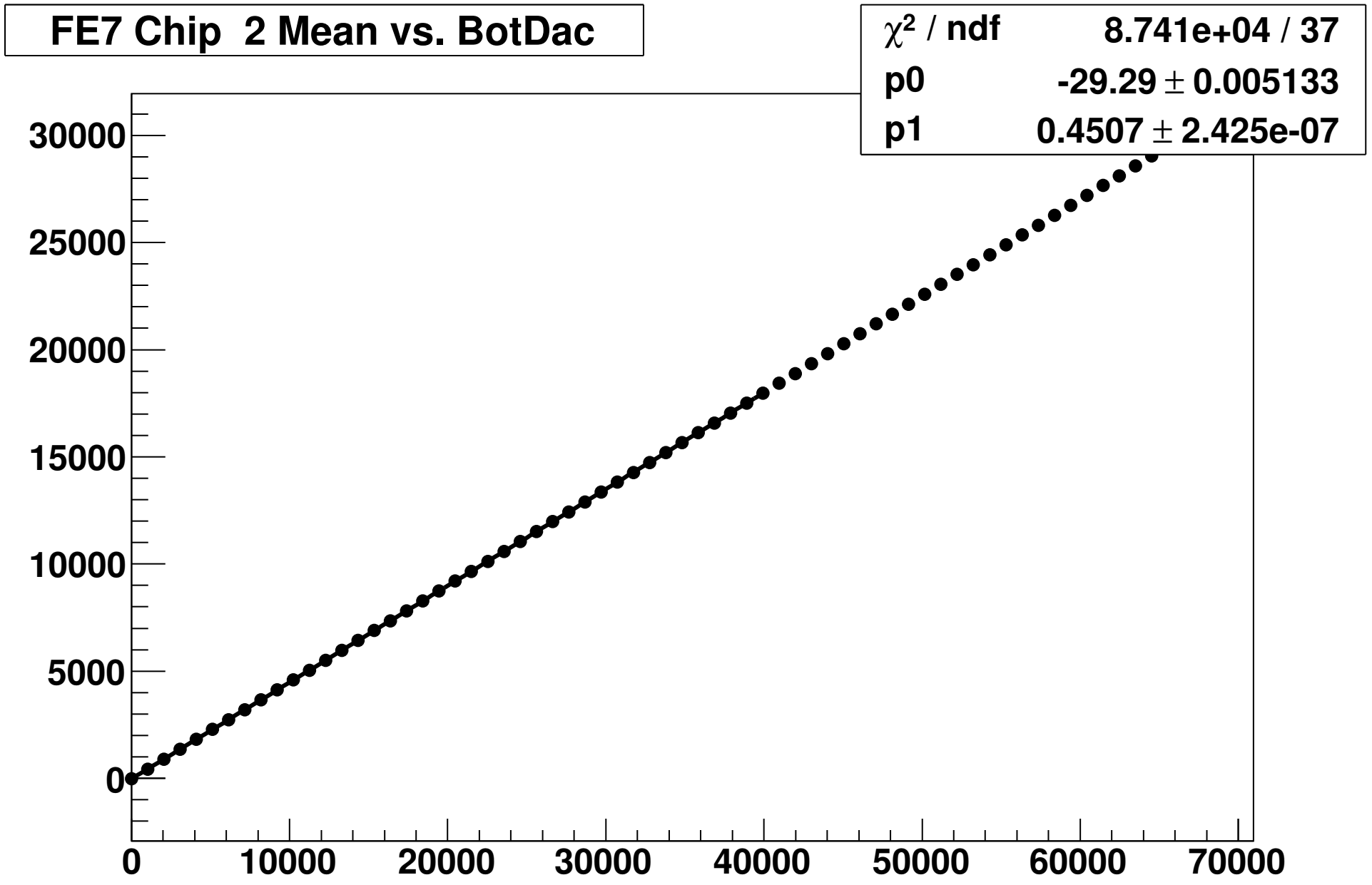
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 8.741e+04 / 37
p0 -29.29 ± 0.005133
p1 0.4507 ± 2.425e-07
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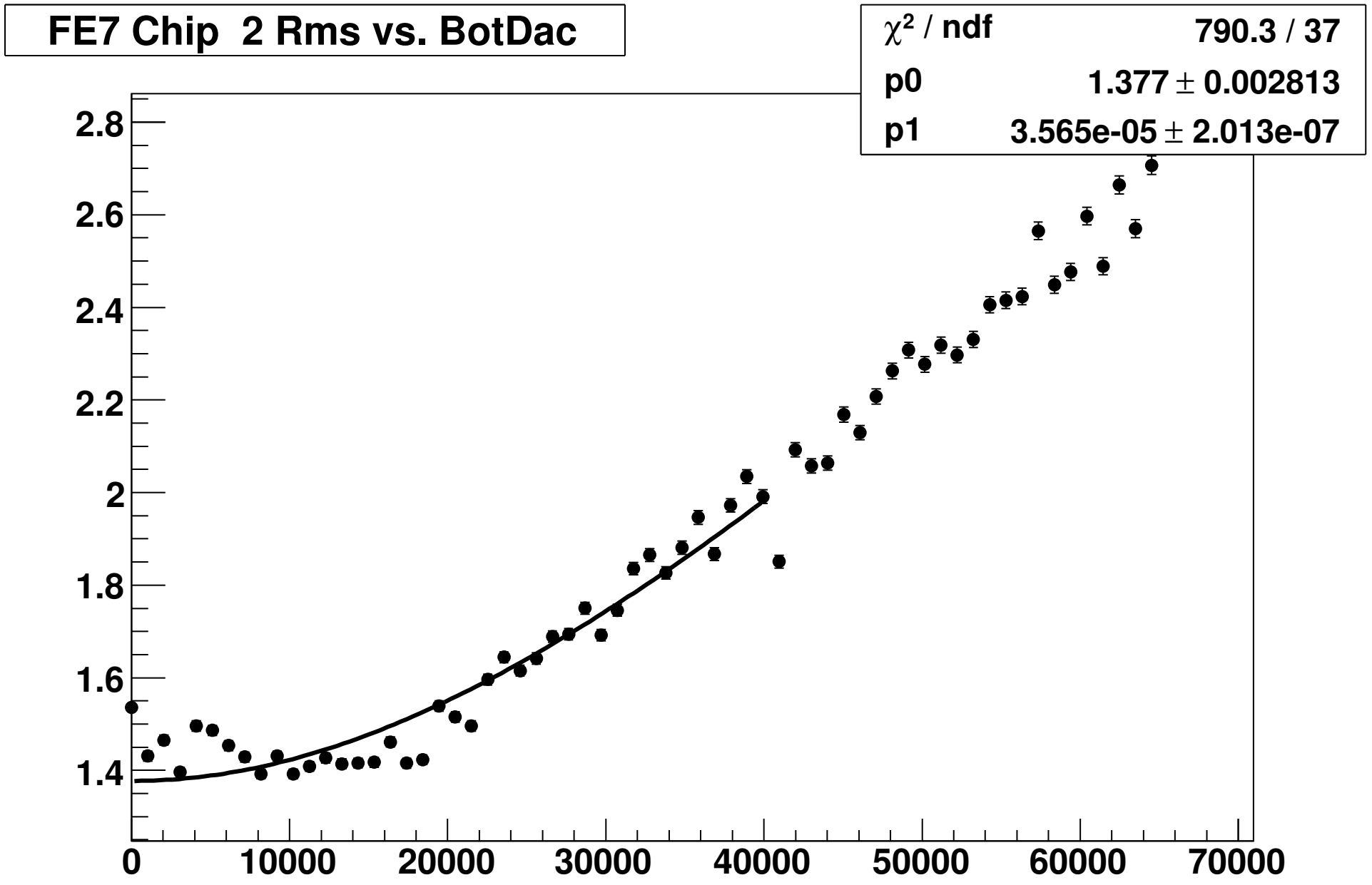
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 790.3 / 37
p0 1.377 ± 0.002813
p1 3.565e-05 ± 2.013e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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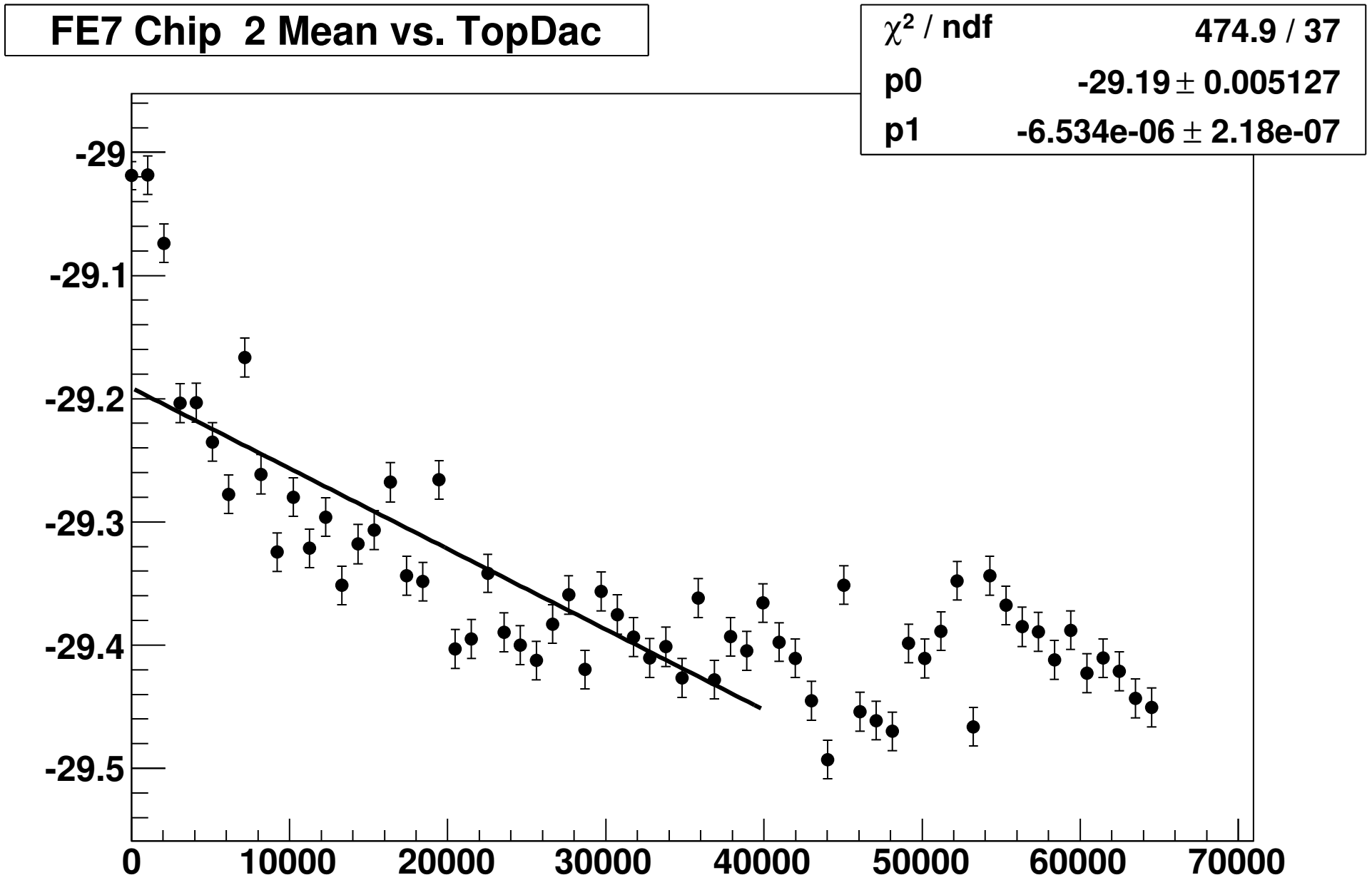
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 474.9 / 37
p0 -29.19 ± 0.005127
p1 -6.534e-06 ± 2.18e-07
-29
-29.1
-29.2
-29.3
-29.4
-29.5
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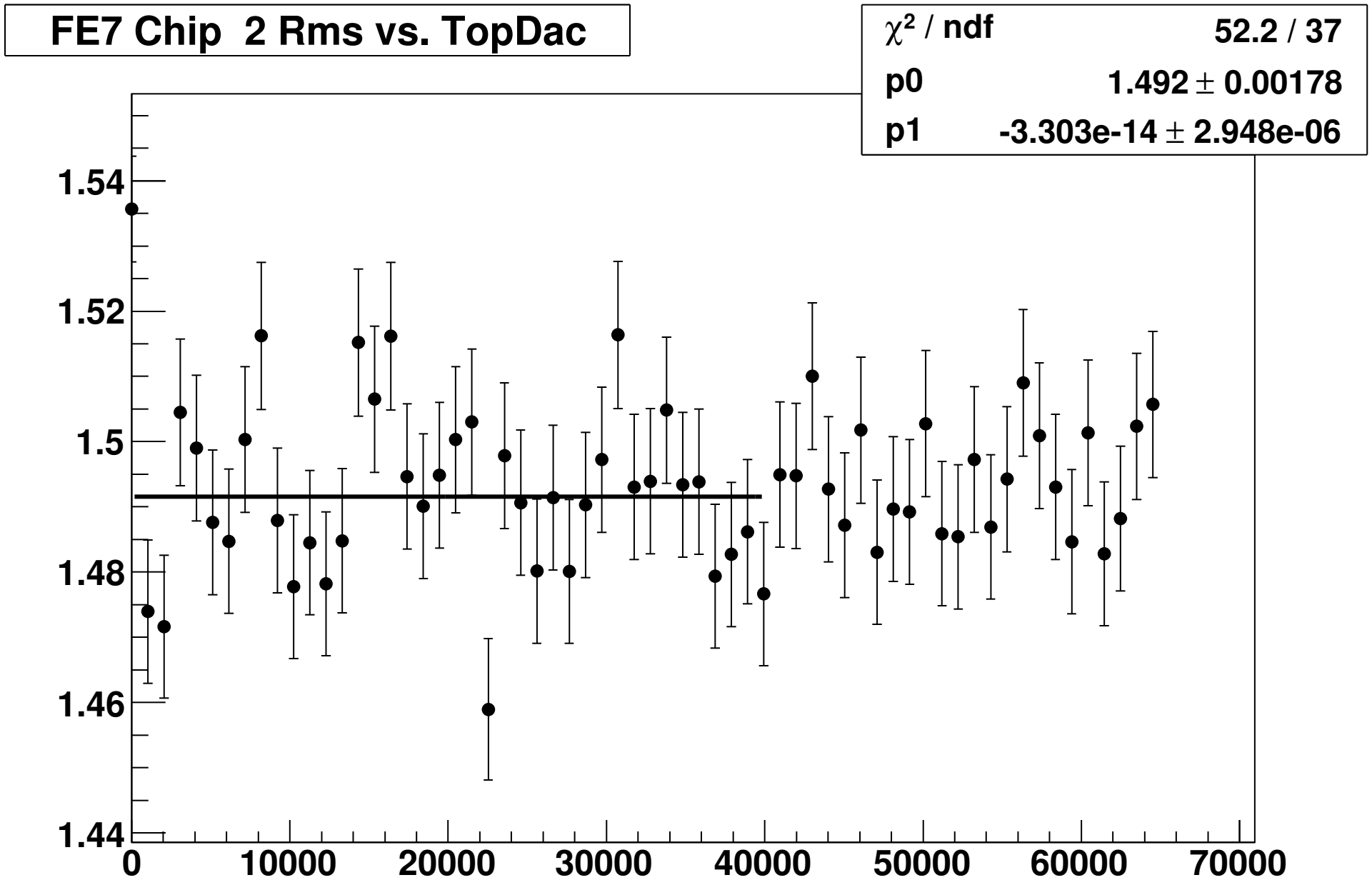
FE7 Chip 2 Rms vs. TopDac
χ² / ndf 52.2 / 37
p0 1.492 ± 0.00178
p1 -3.303e-14 ± 2.948e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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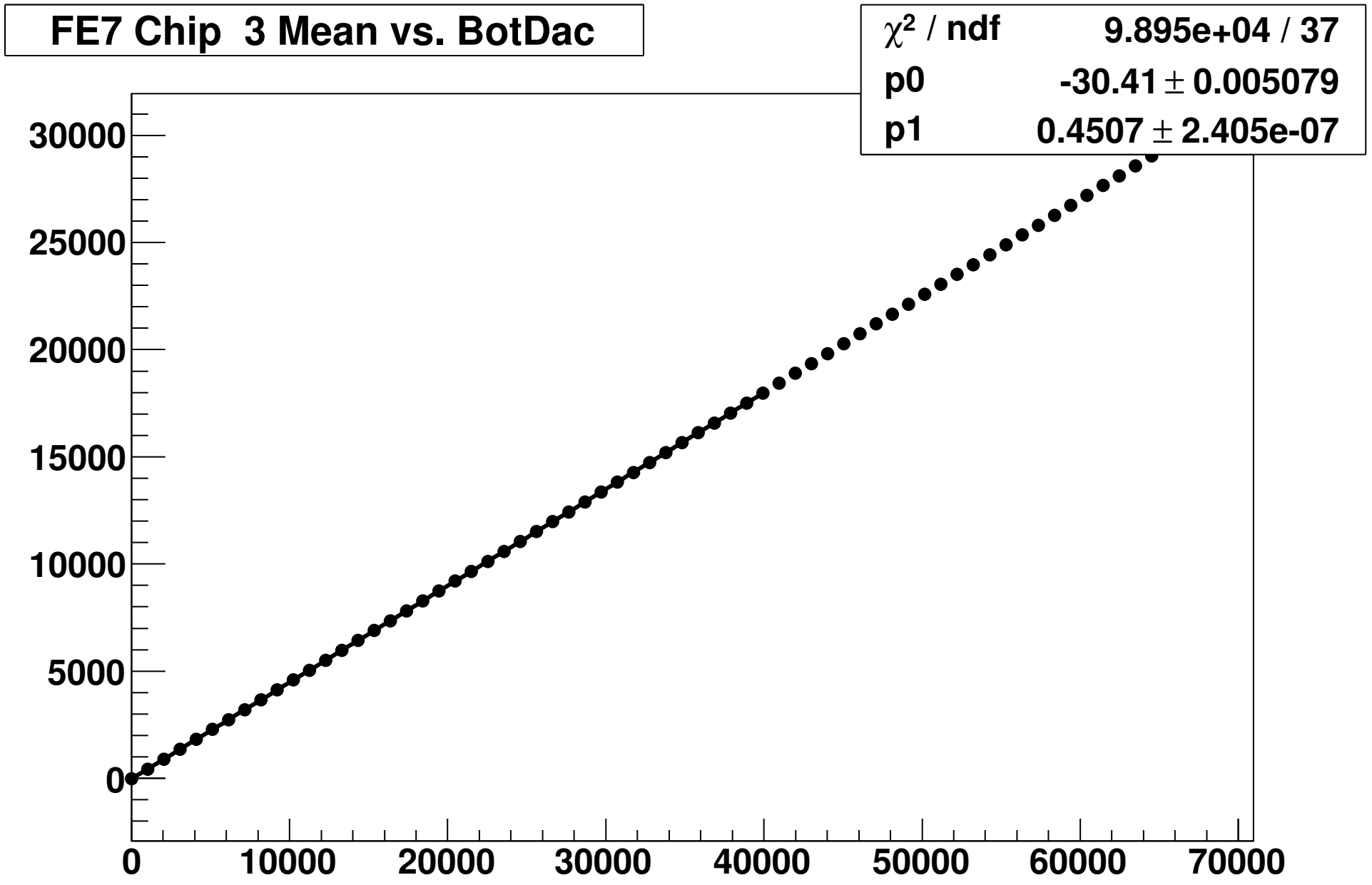
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 9.895e+04 / 37
p0 -30.41 ± 0.005079
p1 0.4507 ± 2.405e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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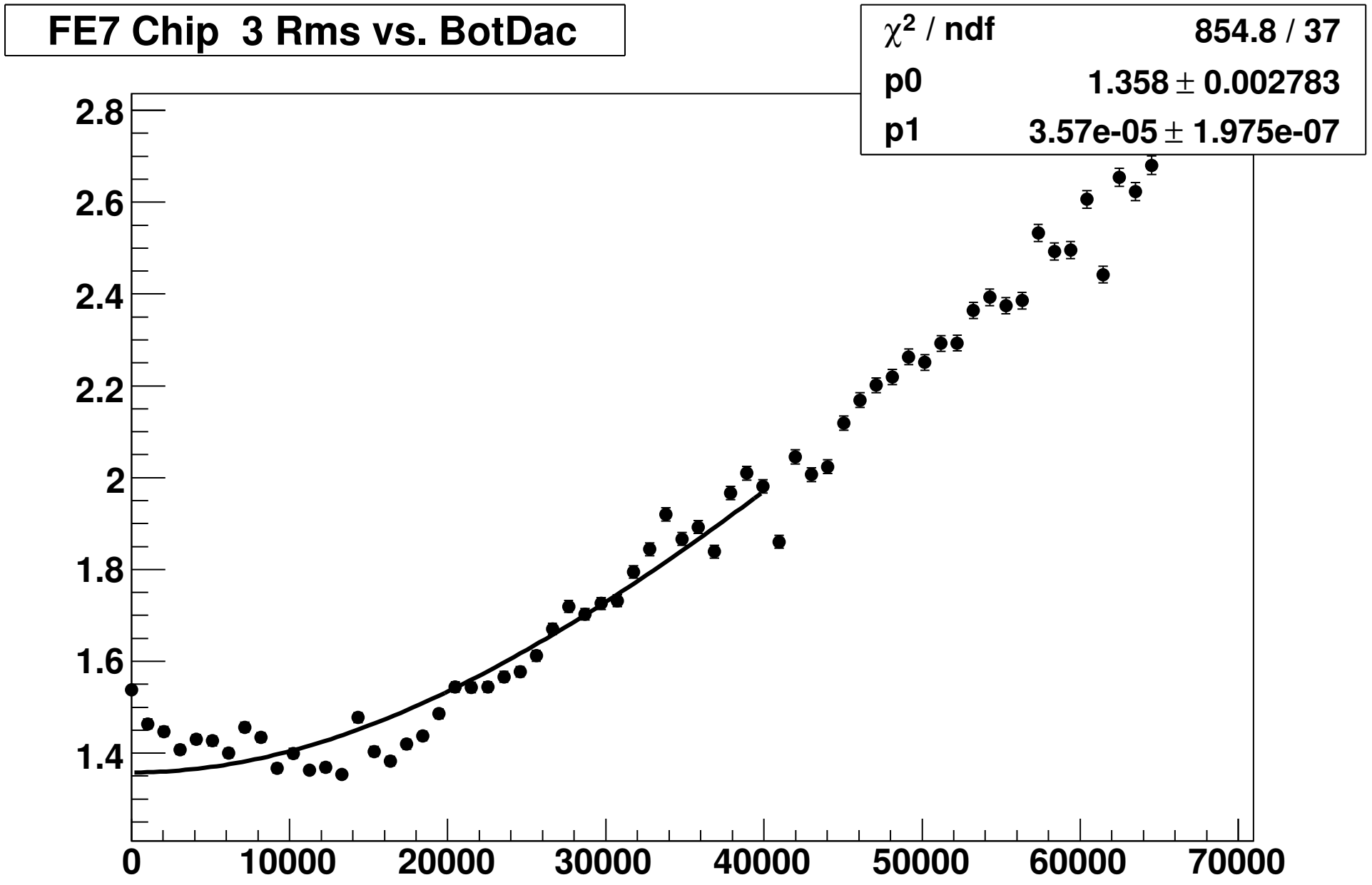
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 854.8 / 37
p0 1.358 ± 0.002783
p1 3.57e-05 ± 1.975e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
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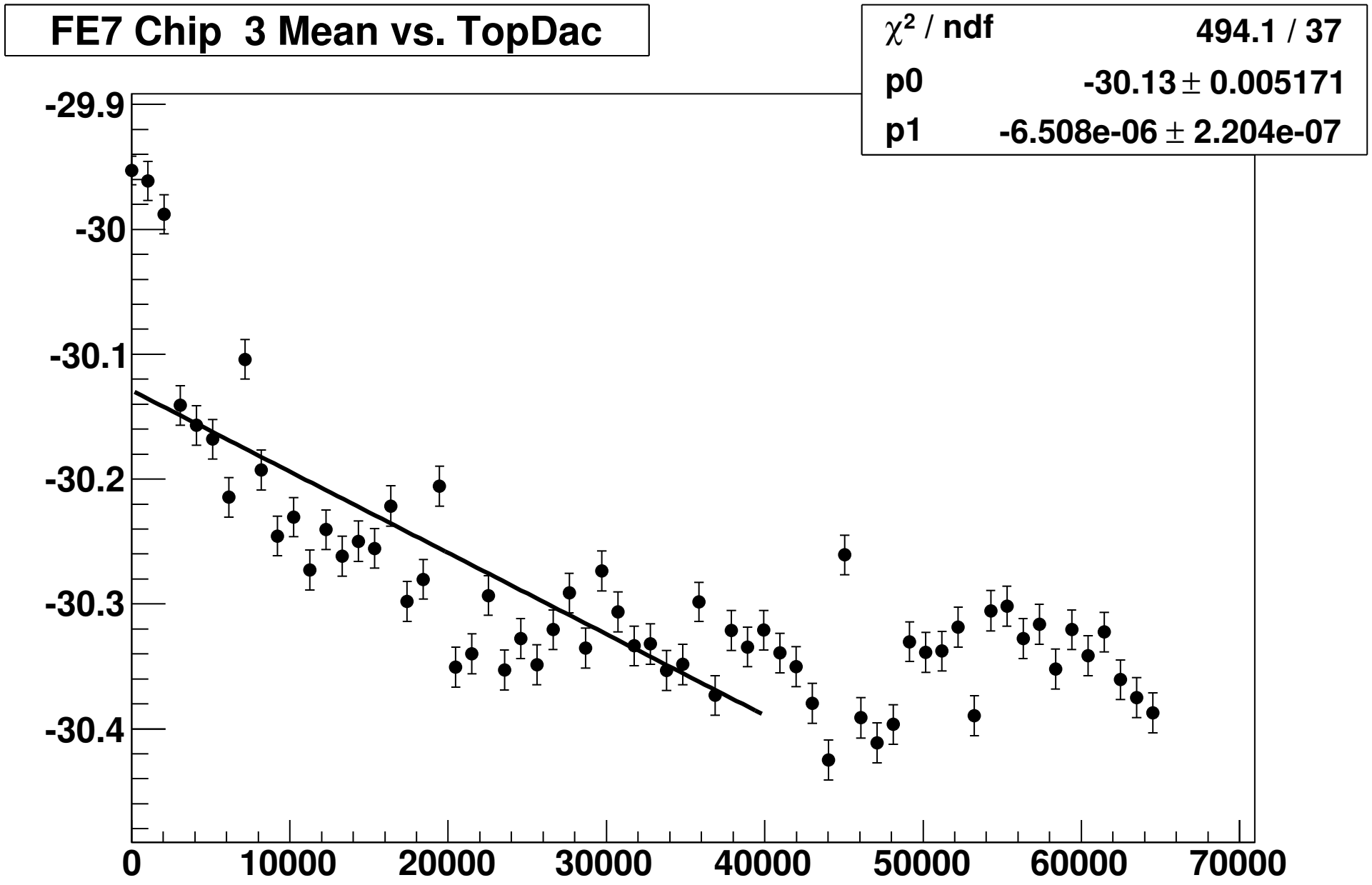
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 494.1 / 37
p0 -30.13 ± 0.005171
p1 -6.508e-06 ± 2.204e-07
-29.9
-30
-30.1
-30.2
-30.3
-30.4
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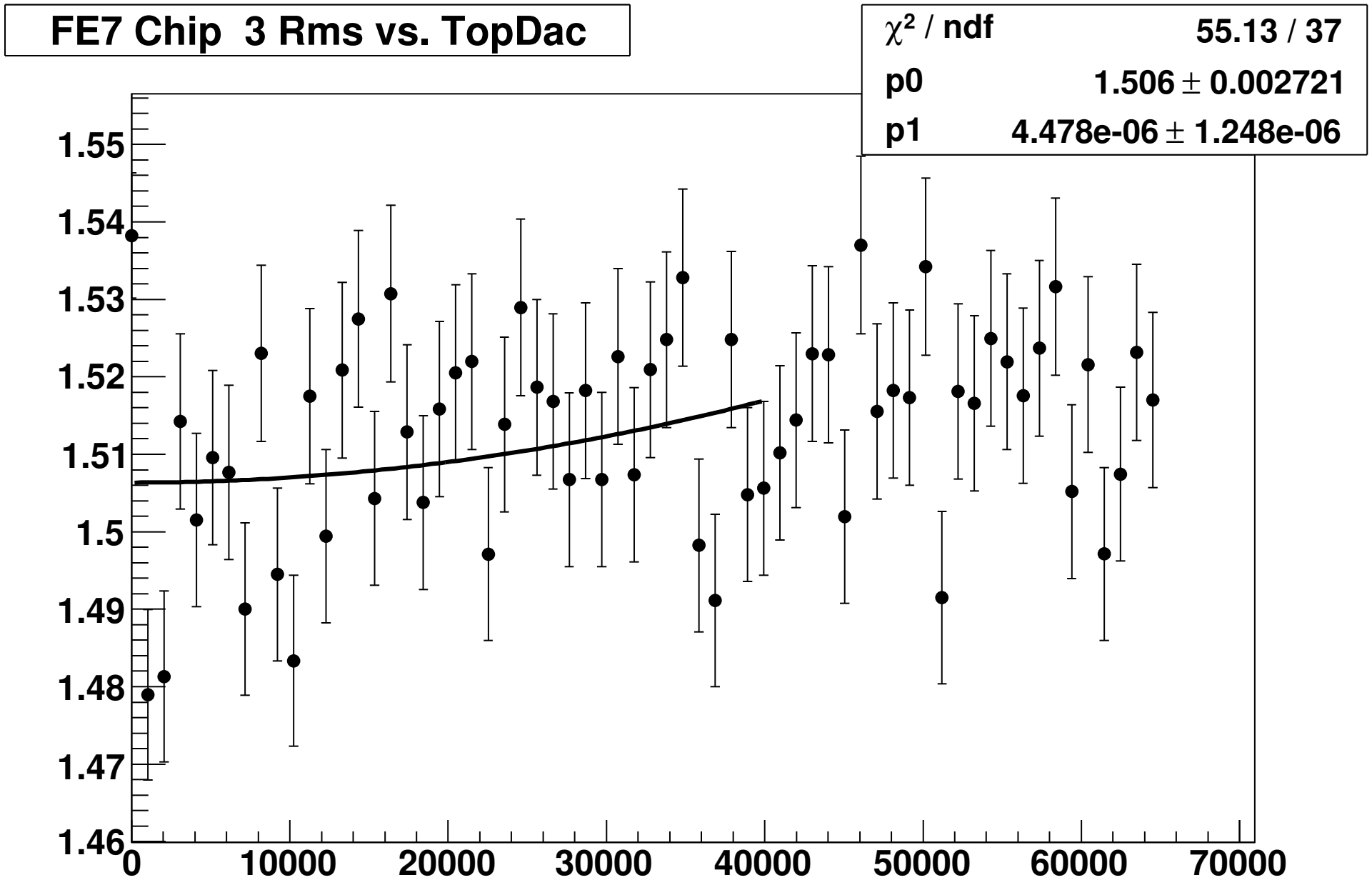
FE7 Chip 3 Rms vs. TopDac
χ² / ndf 55.13 / 37
p0 1.506 ± 0.002721
p1 4.478e-06 ± 1.248e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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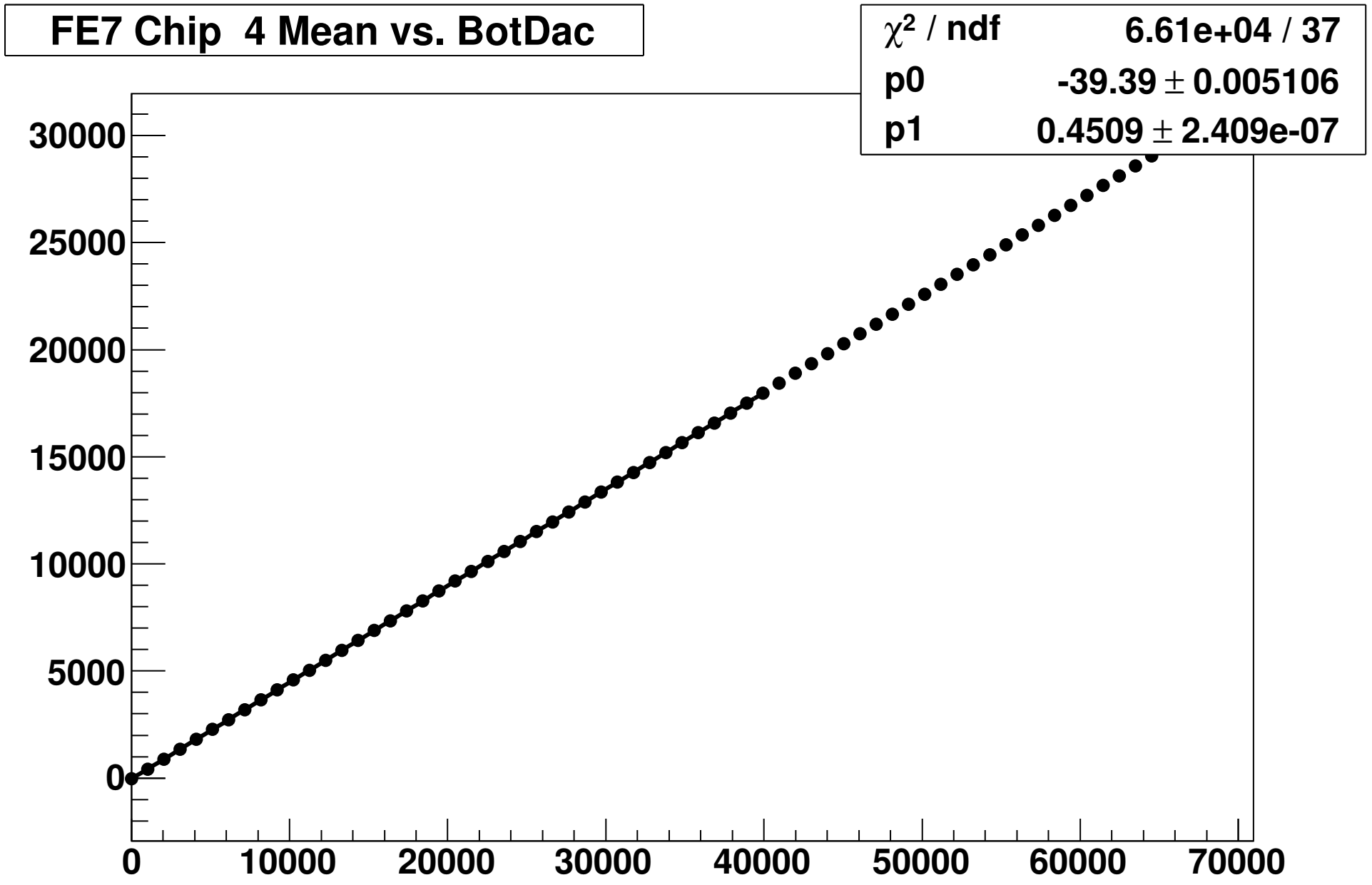
FE7 Chip 4 Mean vs. BotDac
χ² / ndf 6.61e+04 / 37
p0 -39.39 ± 0.005106
p1 0.4509 ± 2.409e-07
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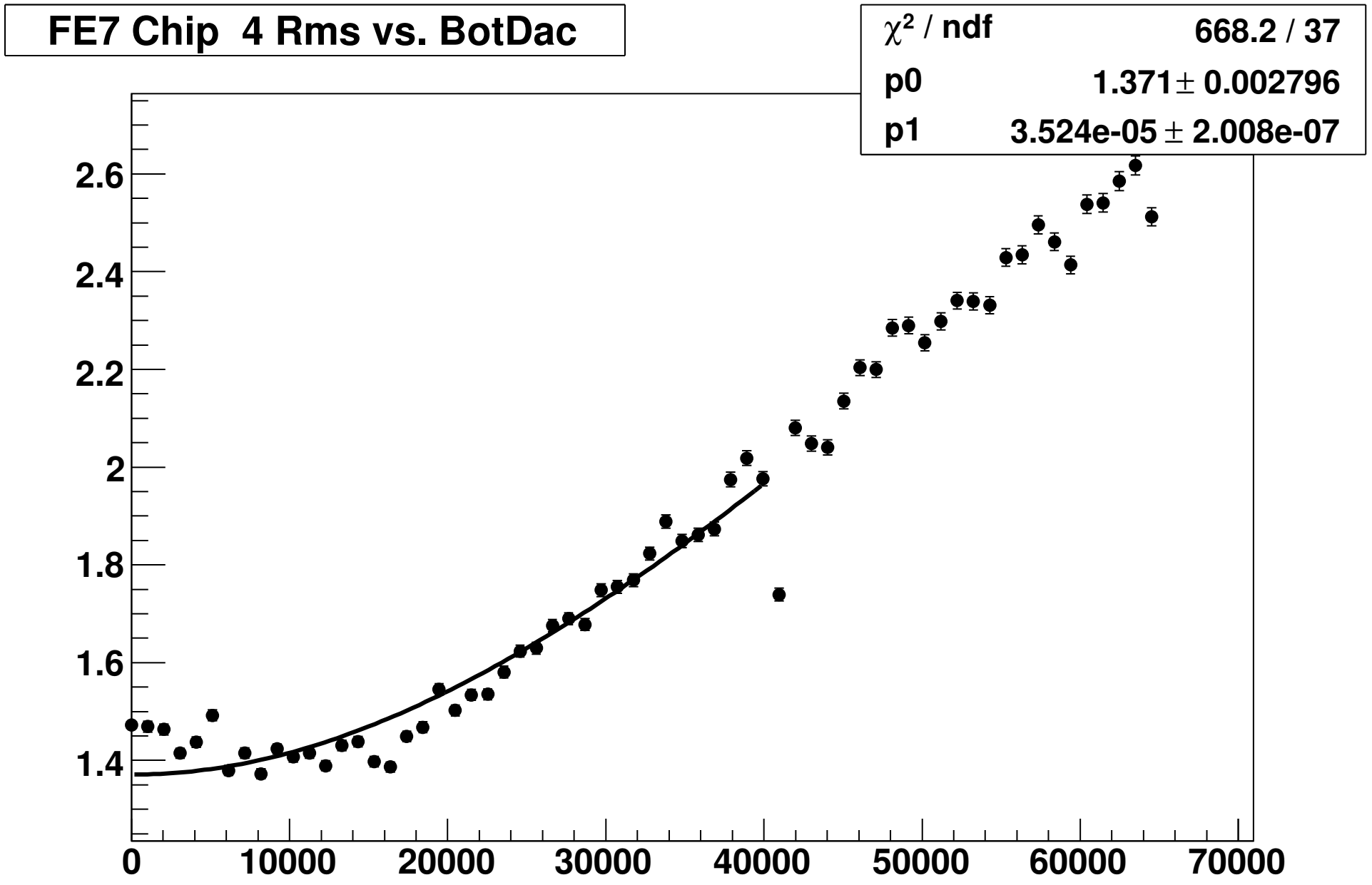
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 668.2 / 37
p0 1.371 ± 0.002796
p1 3.524e-05 ± 2.008e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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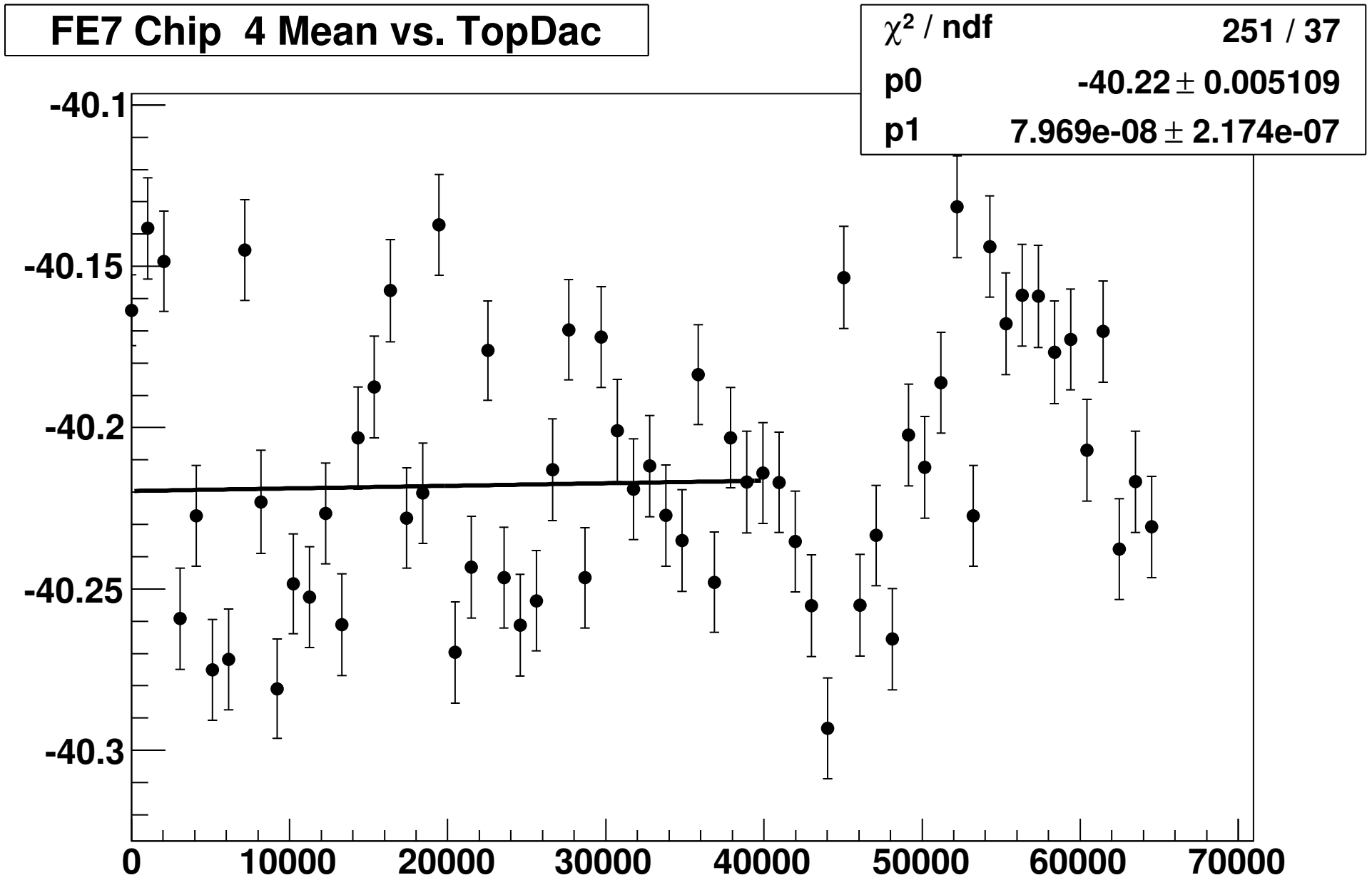
FE7 Chip 4 Mean vs. TopDac
χ² / ndf 251 / 37
p0 -40.22 ± 0.005109
p1 7.969e-08 ± 2.174e-07
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-40.15
-40.2
-40.25
-40.3
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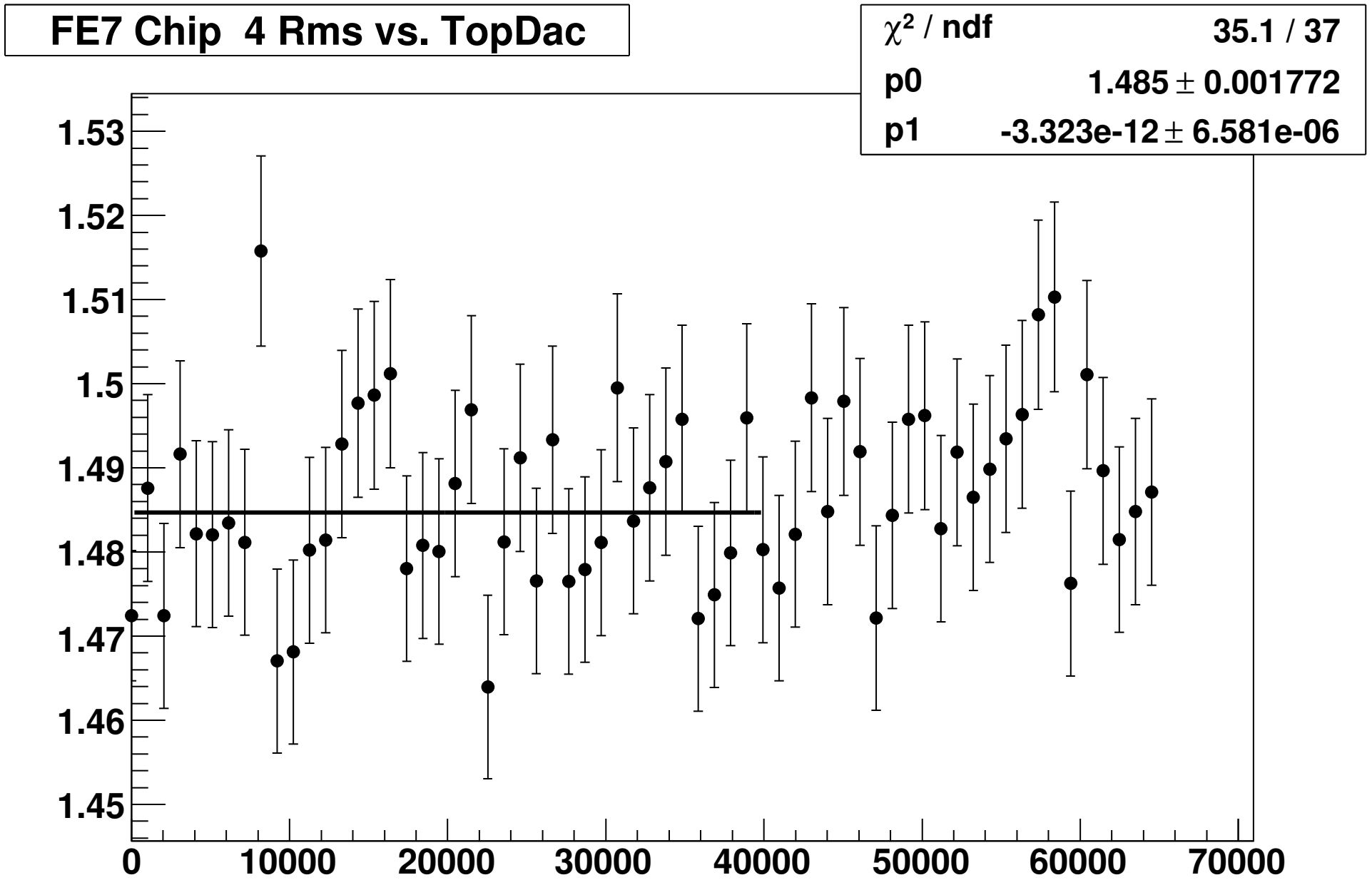
FE7 Chip 4 Rms vs. TopDac
χ² / ndf 35.1 / 37
p0 1.485 ± 0.001772
p1 -3.323e-12 ± 6.581e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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30000
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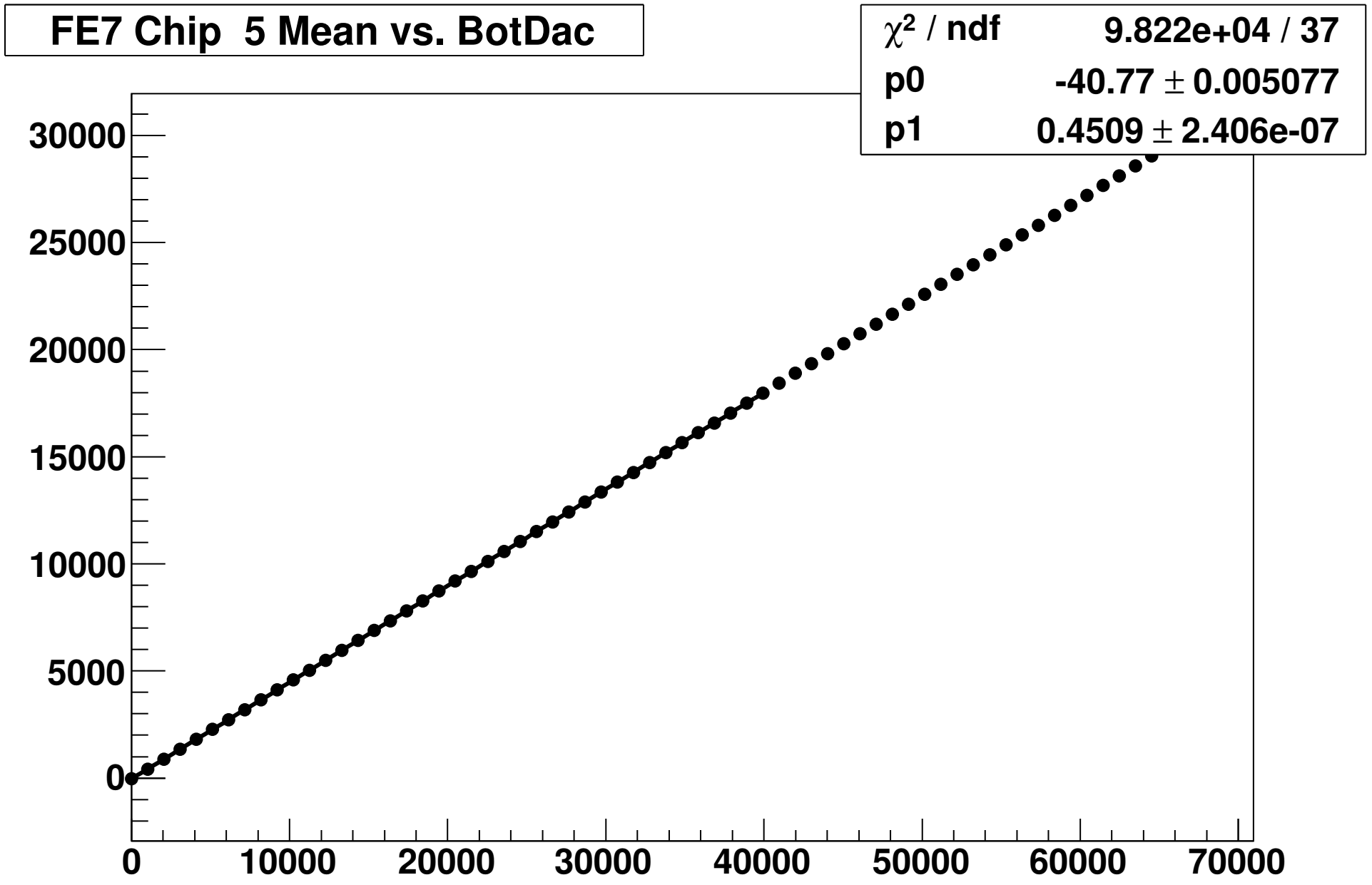
FE7 Chip 5 Mean vs. BotDac
χ² / ndf 9.822e+04 / 37
p0 -40.77 ± 0.005077
p1 0.4509 ± 2.406e-07
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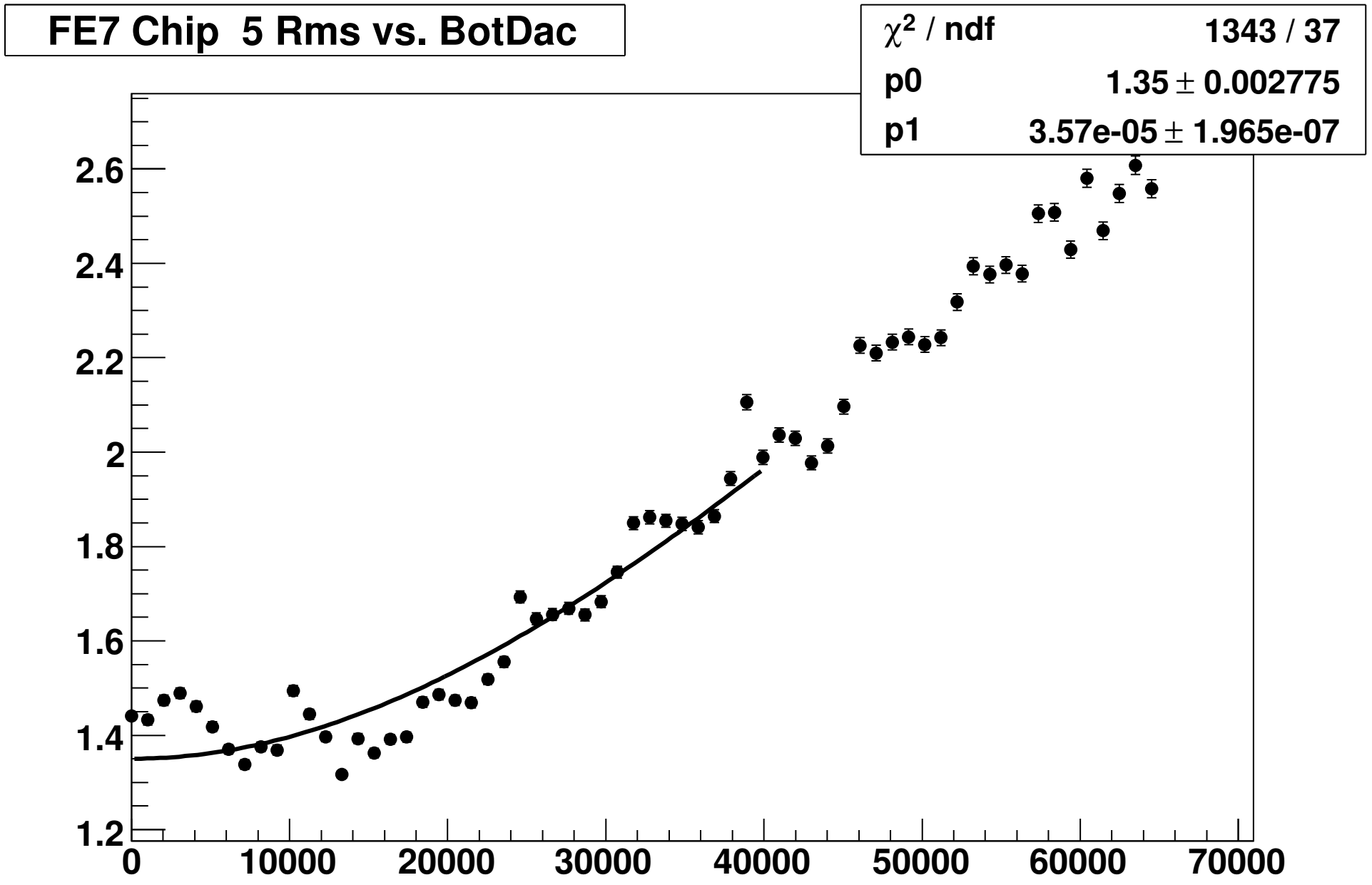
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1343 / 37
p0 1.35 ± 0.002775
p1 3.57e-05 ± 1.965e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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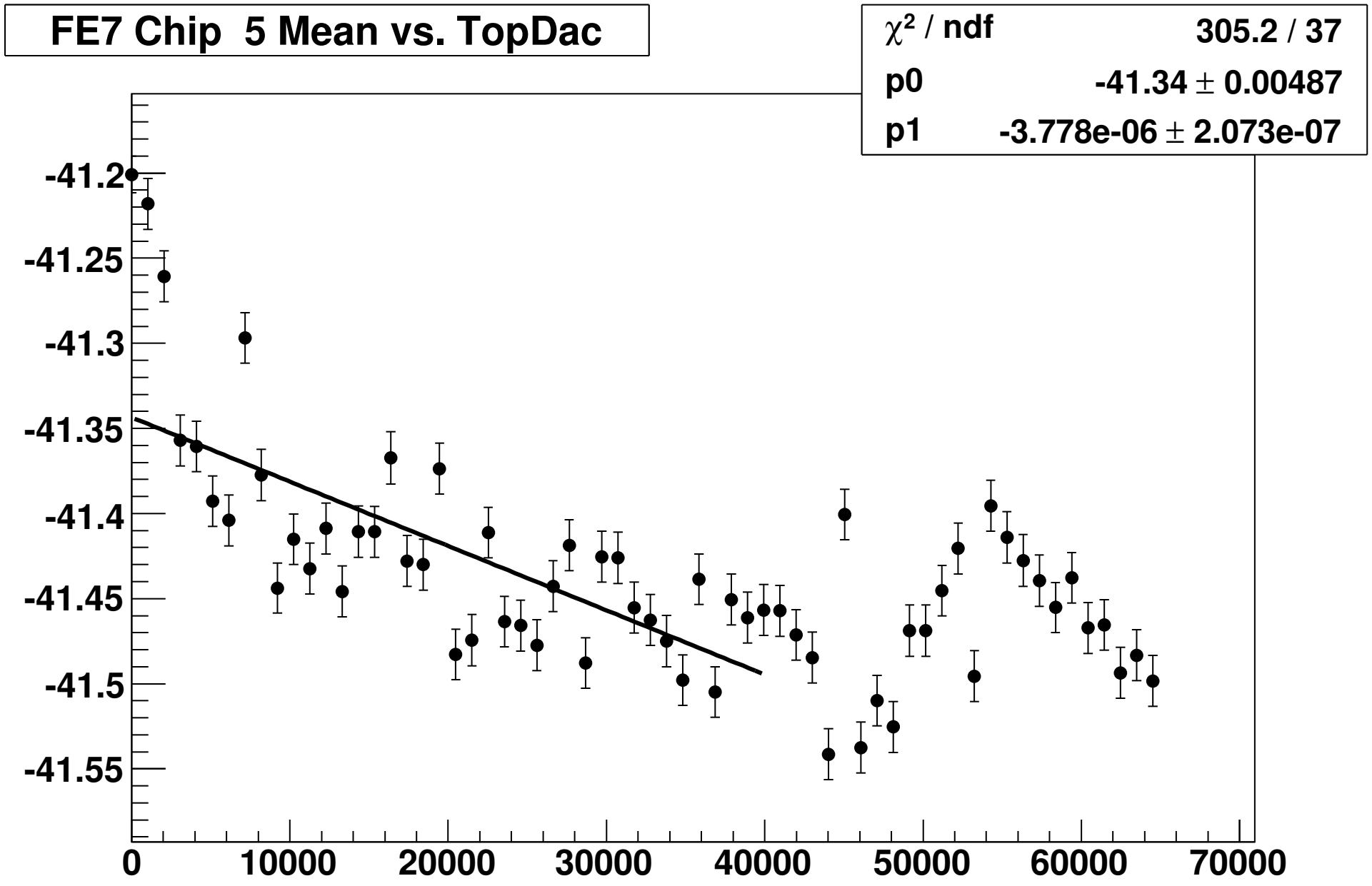
FE7 Chip 5 Mean vs. TopDac
χ² / ndf 305.2 / 37
p0 -41.34 ± 0.00487
p1 -3.778e-06 ± 2.073e-07
-41.2
-41.25
-41.3
-41.35
-41.4
-41.45
-41.5
-41.55
0
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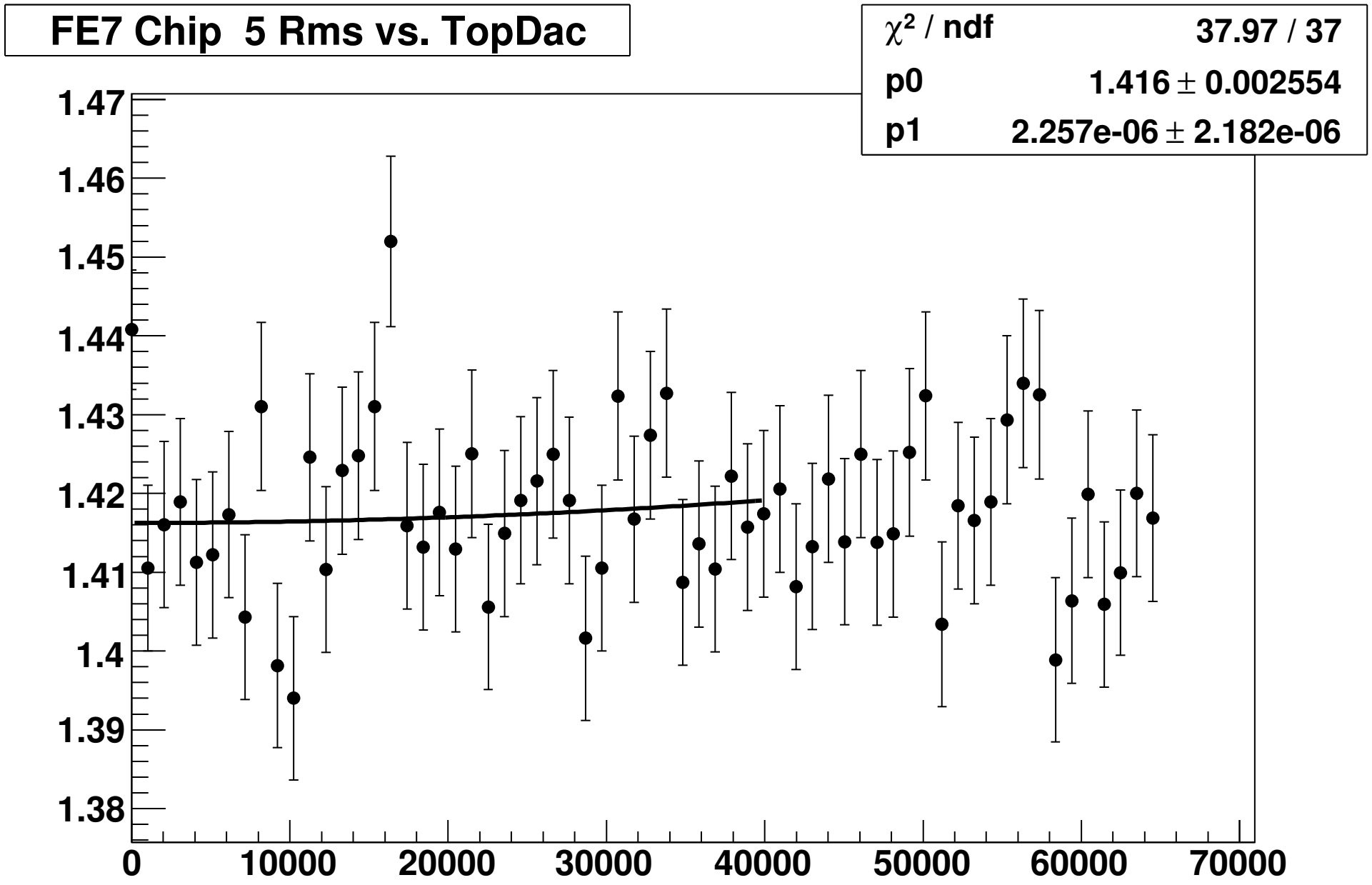
FE7 Chip 5 Rms vs. TopDac
χ² / ndf 37.97 / 37
p0 1.416 ± 0.002554
p1 2.257e-06 ± 2.182e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
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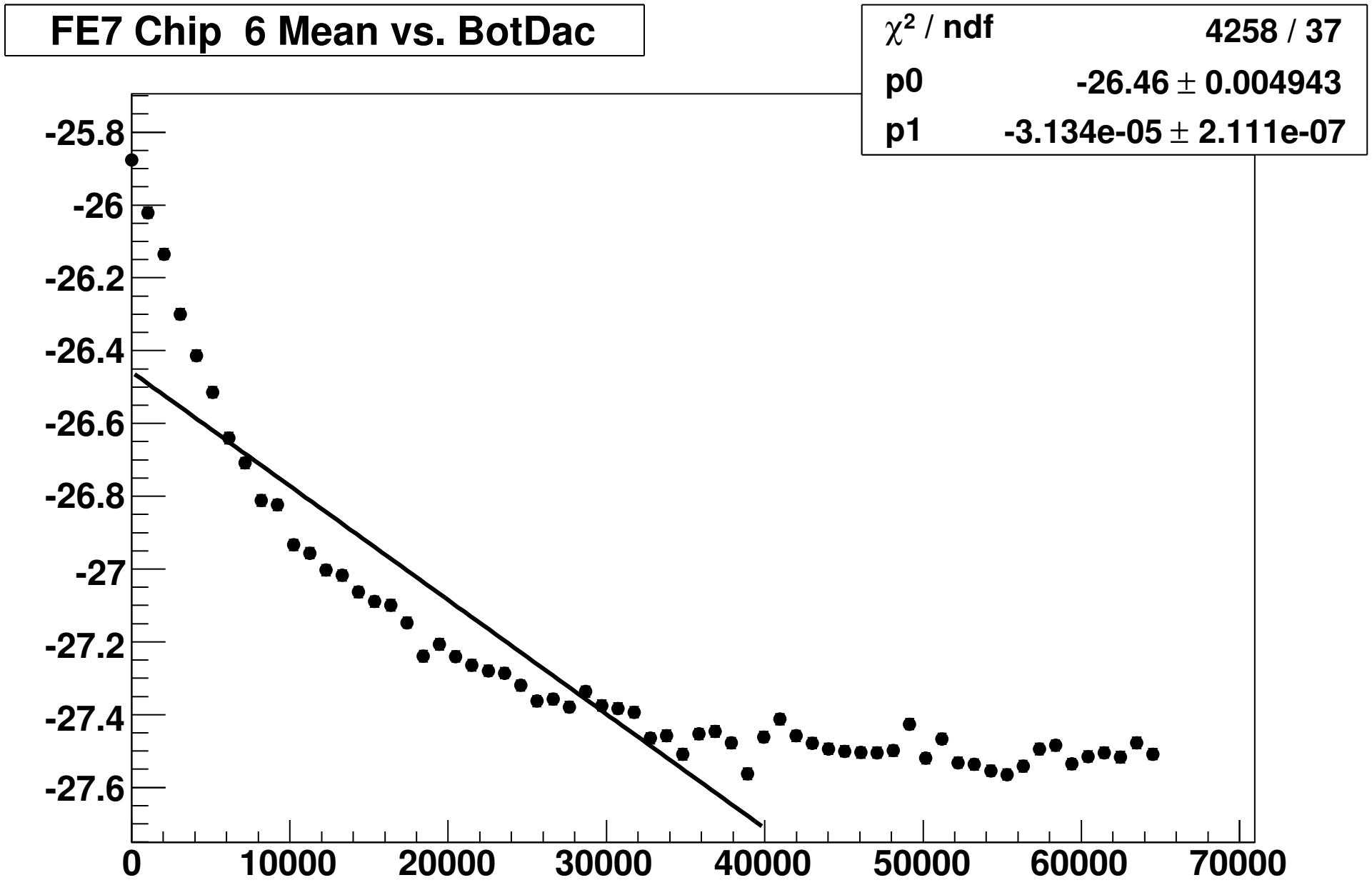
FE7 Chip 6 Mean vs. BotDac
χ² / ndf 4258 / 37
p0 -26.46 ± 0.004943
p1 -3.134e-05 ± 2.111e-07
-25.8
-26
-26.2
-26.4
-26.6
-26.8
-27
-27.2
-27.4
-27.6
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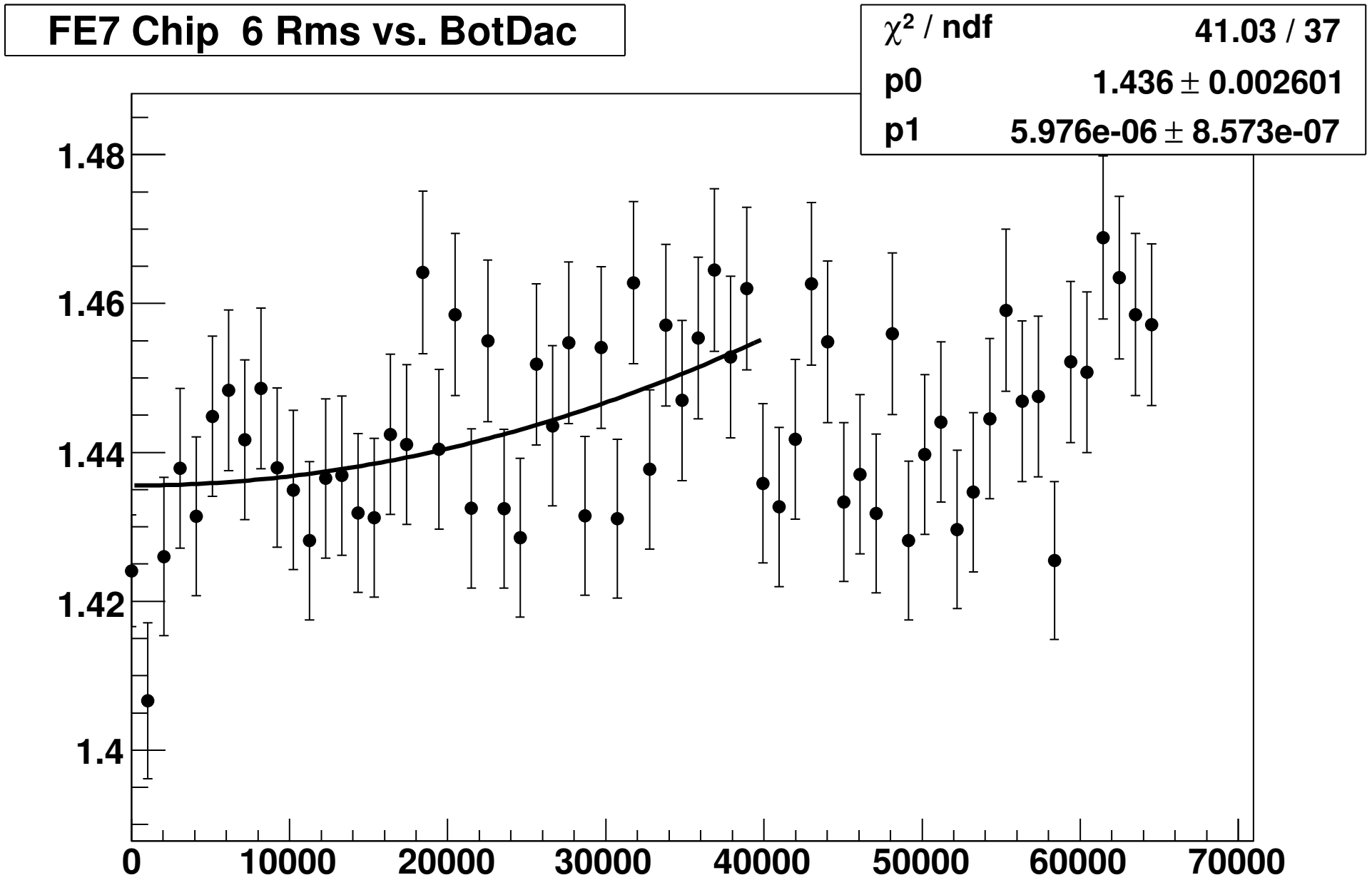
FE7 Chip 6 Rms vs. BotDac
χ² / ndf 41.03 / 37
p0 1.436 ± 0.002601
p1 5.976e-06 ± 8.573e-07
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1.46
1.44
1.42
1.4
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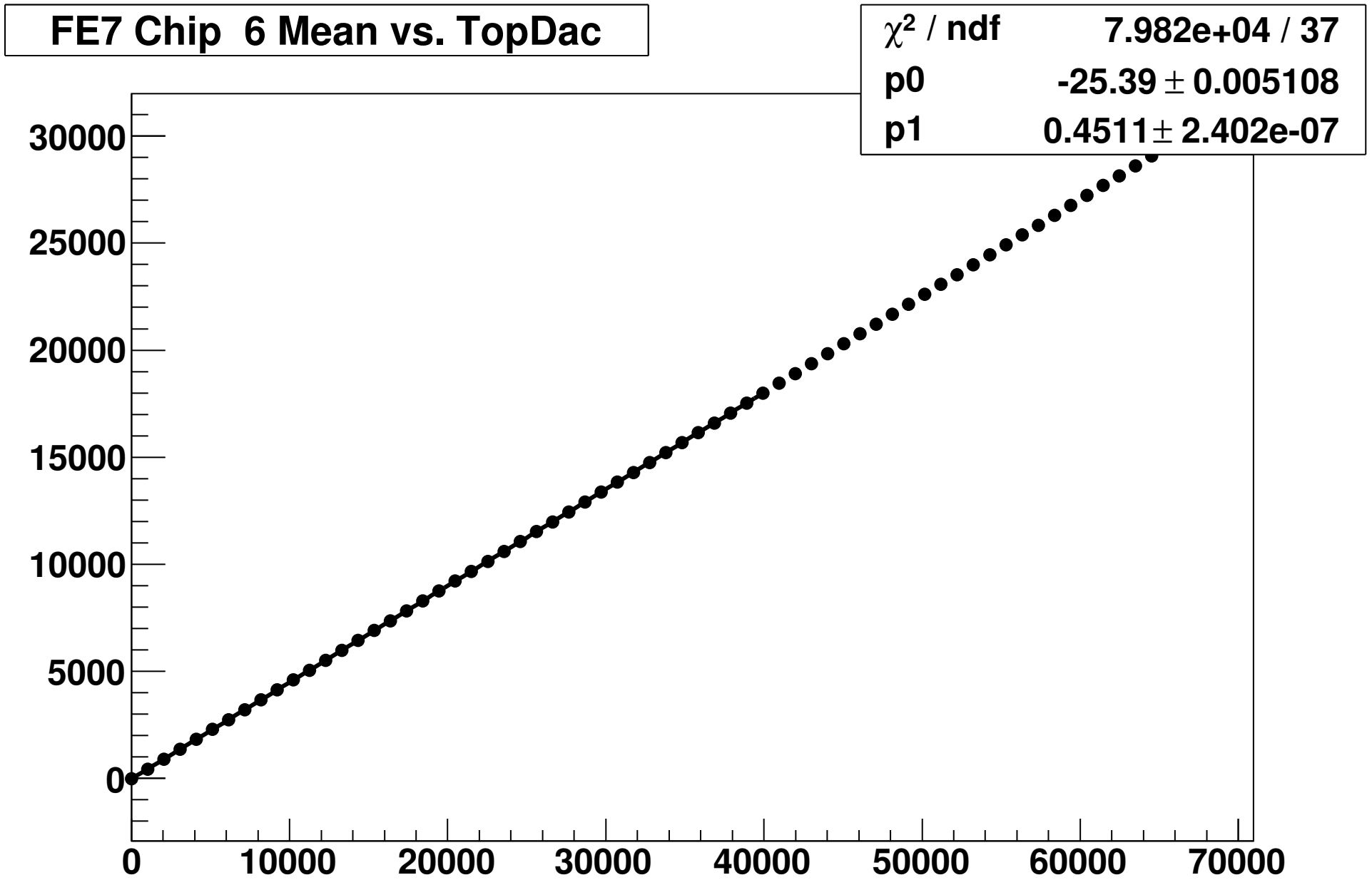
FE7 Chip 6 Mean vs. TopDac
χ² / ndf 7.982e+04 / 37
p0 -25.39 ± 0.005108
p1 0.4511 ± 2.402e-07
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20000
30000
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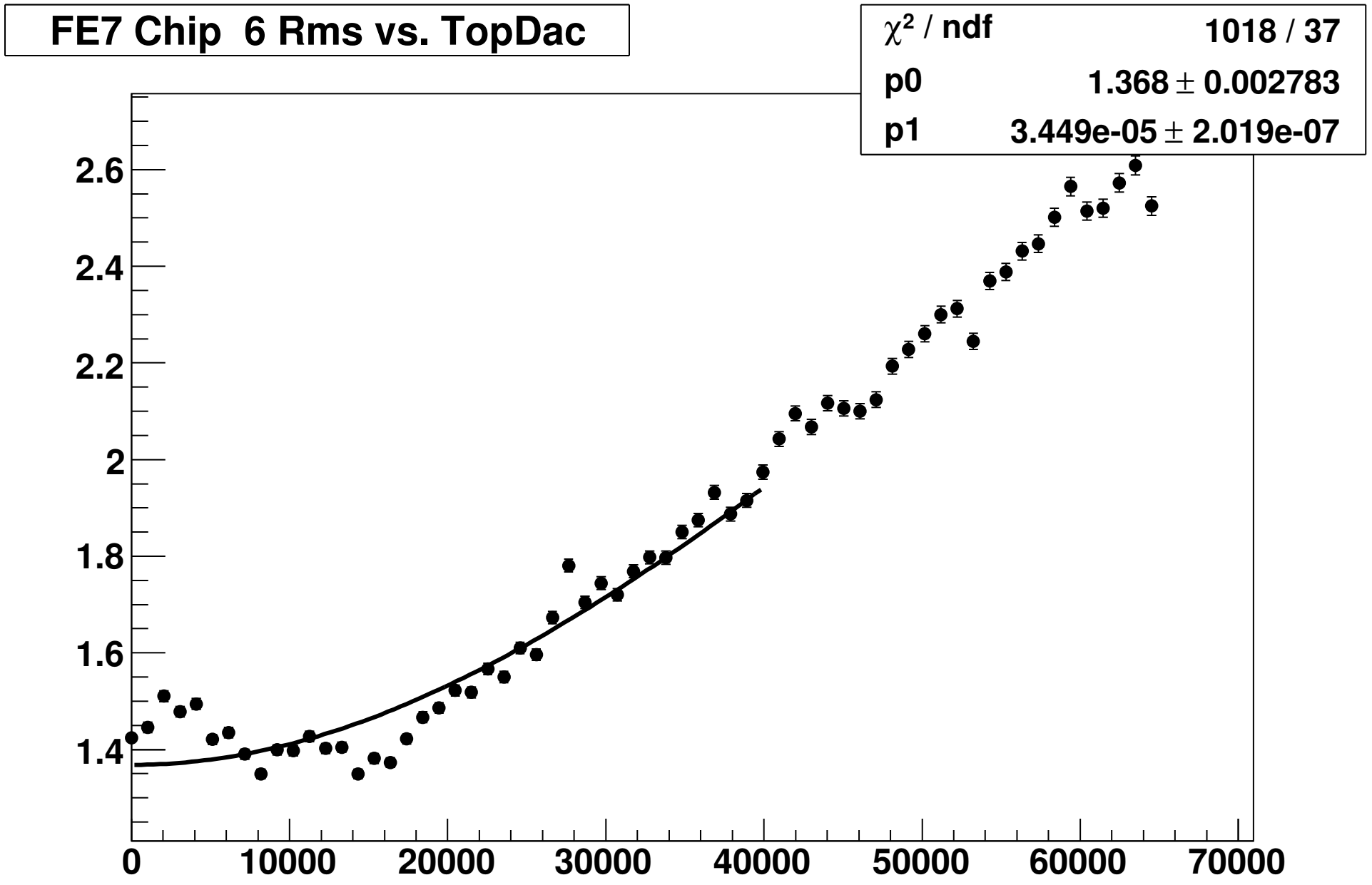
FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1018 / 37
p0 1.368 ± 0.002783
p1 3.449e-05 ± 2.019e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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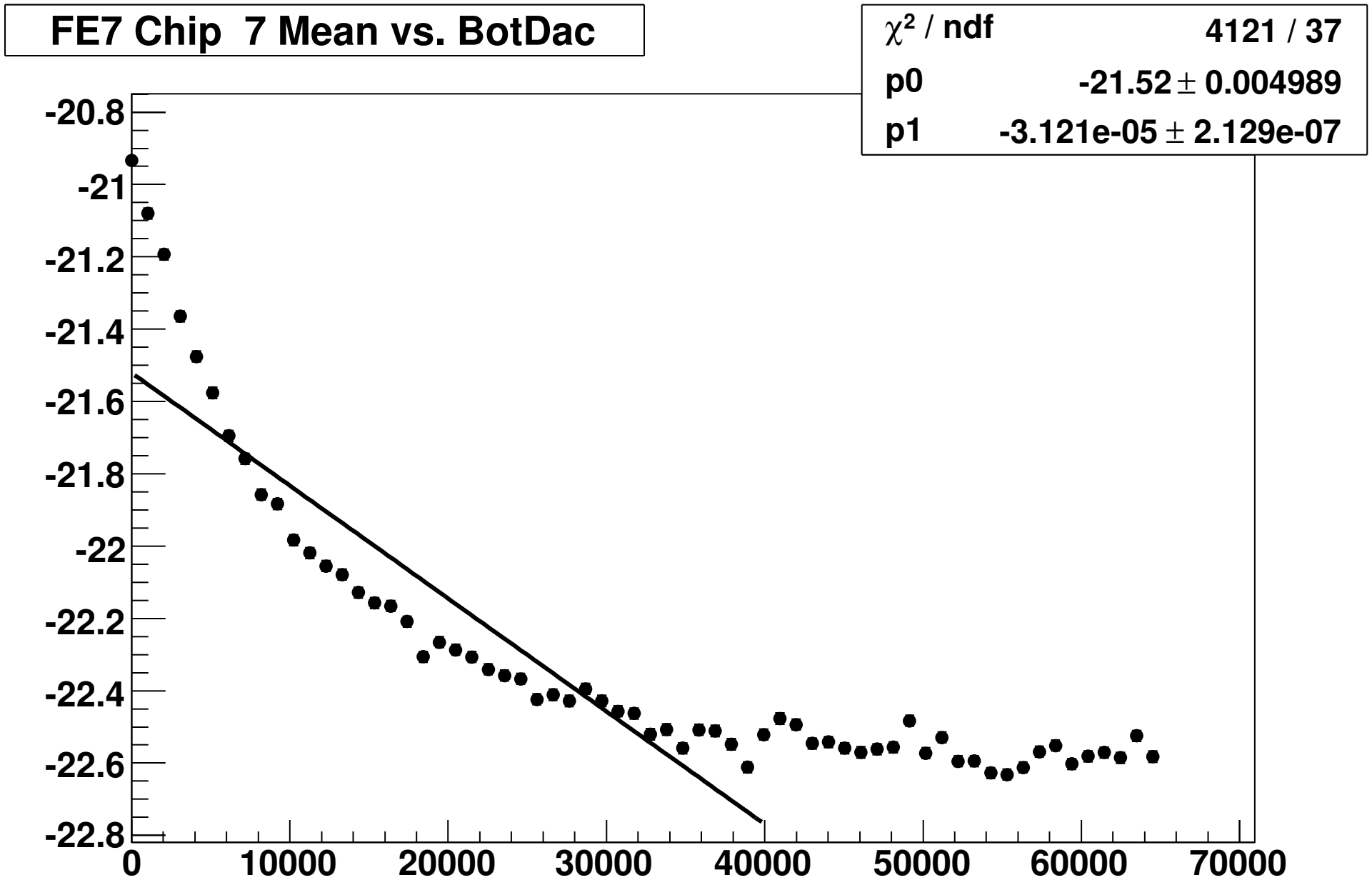
FE7 Chip 7 Mean vs. BotDac
χ² / ndf 4121 / 37
p0 -21.52 ± 0.004989
p1 -3.121e-05 ± 2.129e-07
-20.8
-21
-21.2
-21.4
-21.6
-21.8
-22
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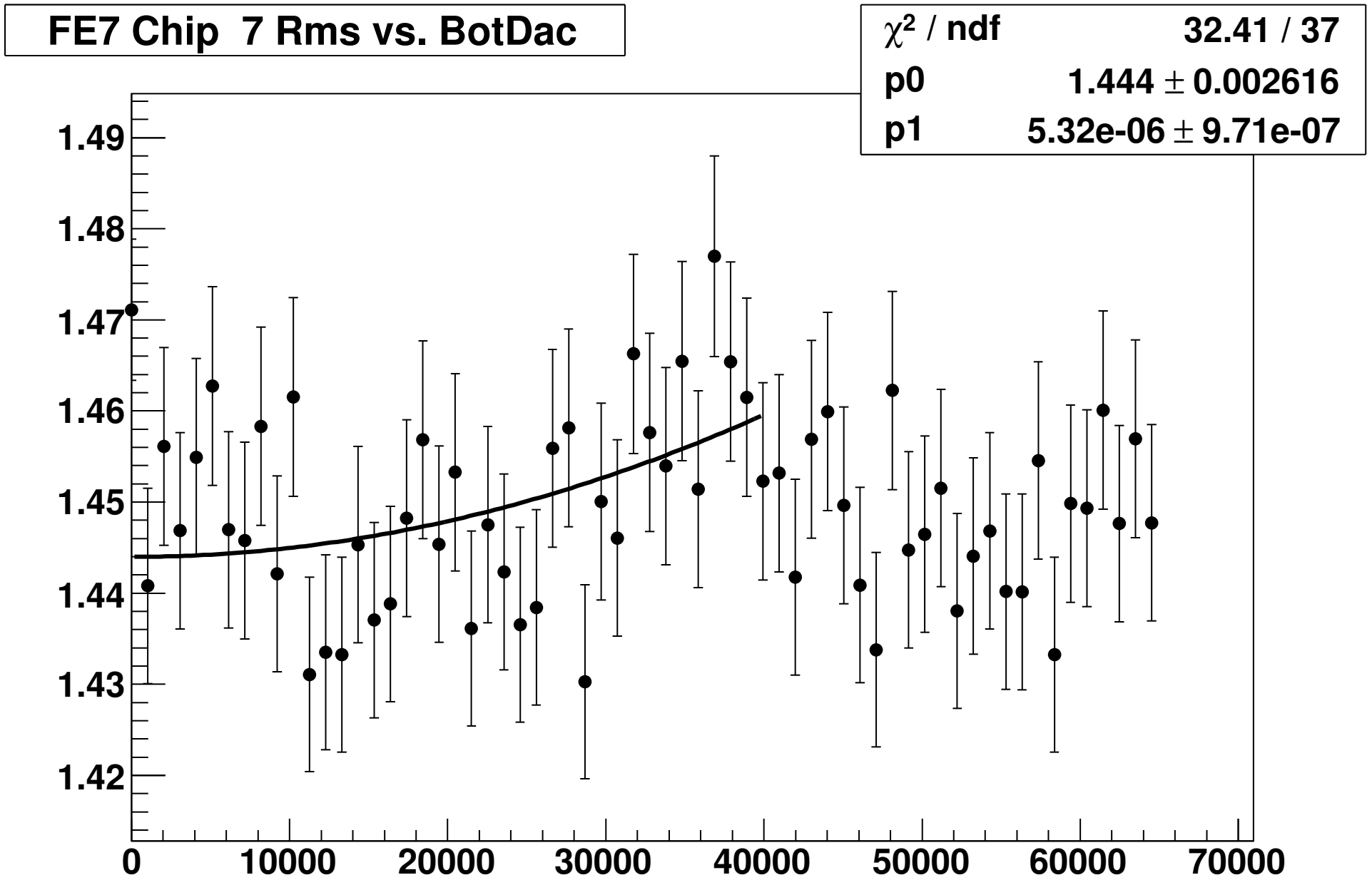
FE7 Chip 7 Rms vs. BotDac
χ² / ndf 32.41 / 37
p0 1.444 ± 0.002616
p1 5.32e-06 ± 9.71e-07
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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10000
20000
30000
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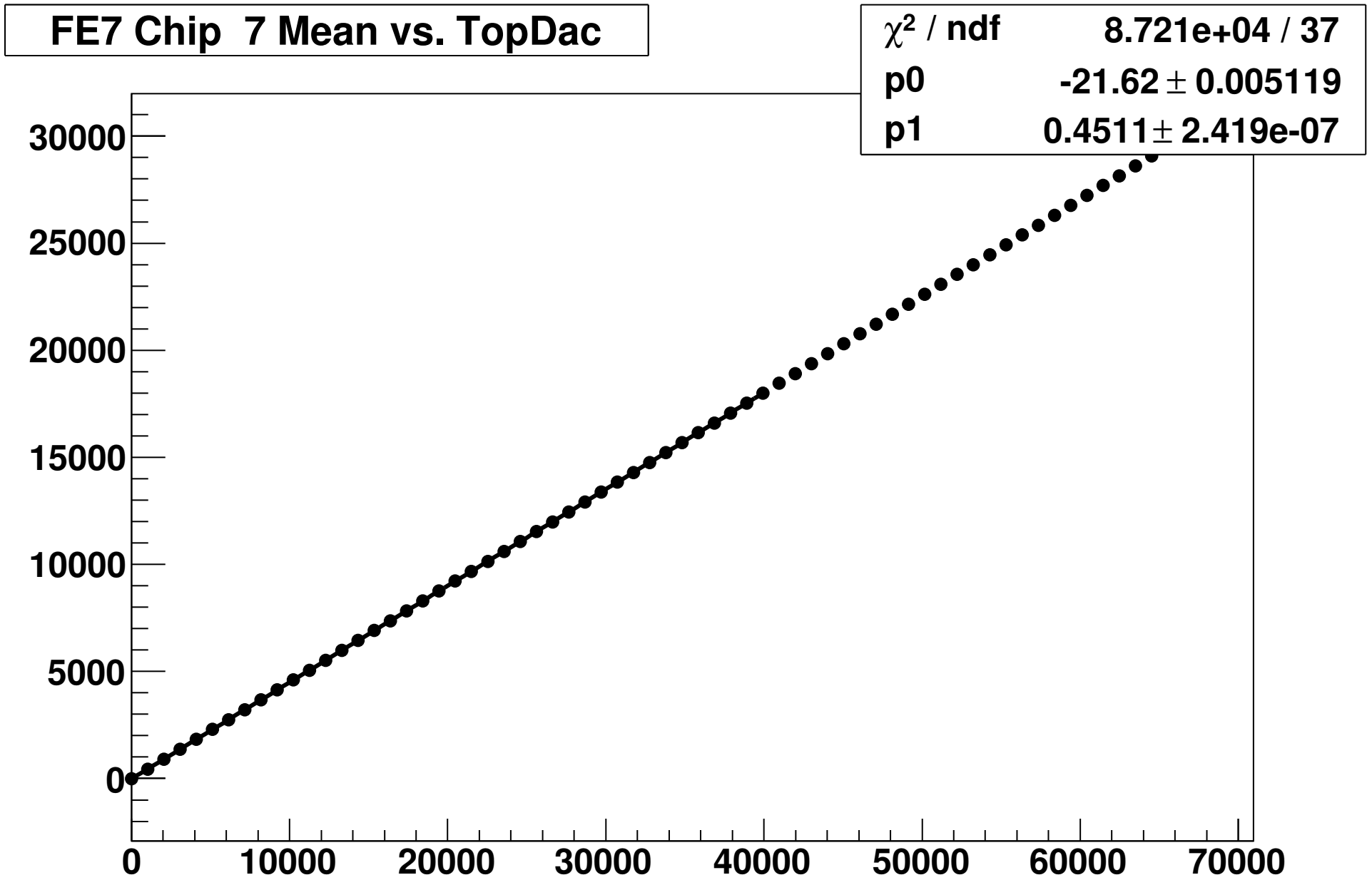
70000


FE7 Chip 7 Mean vs. TopDac
χ² / ndf 8.721e+04 / 37
p0 -21.62 ± 0.005119
p1 0.4511 ± 2.419e-07
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10000
20000
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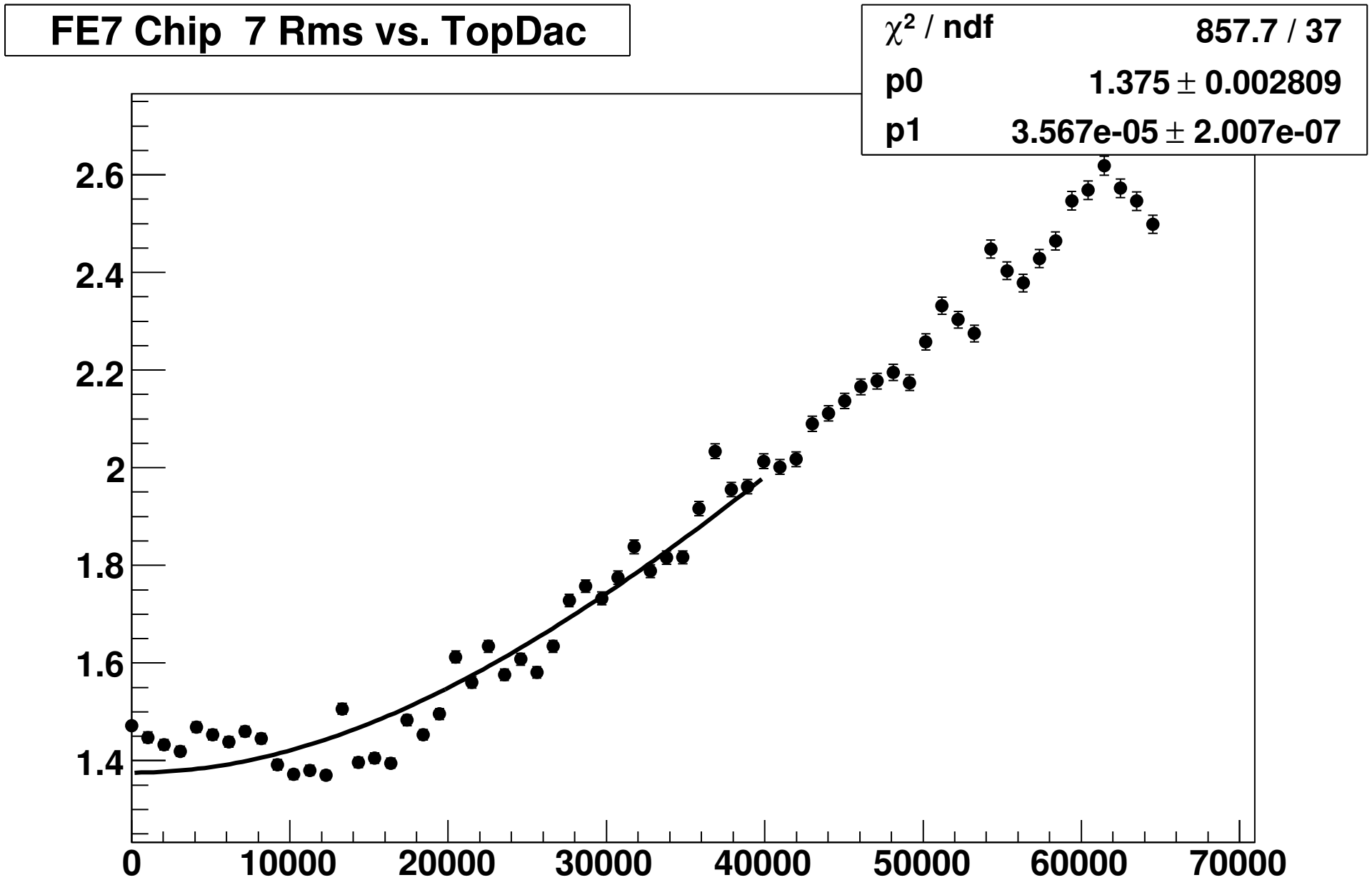
FE7 Chip 7 Rms vs. TopDac
χ² / ndf 857.7 / 37
p0 1.375 ± 0.002809
p1 3.567e-05 ± 2.007e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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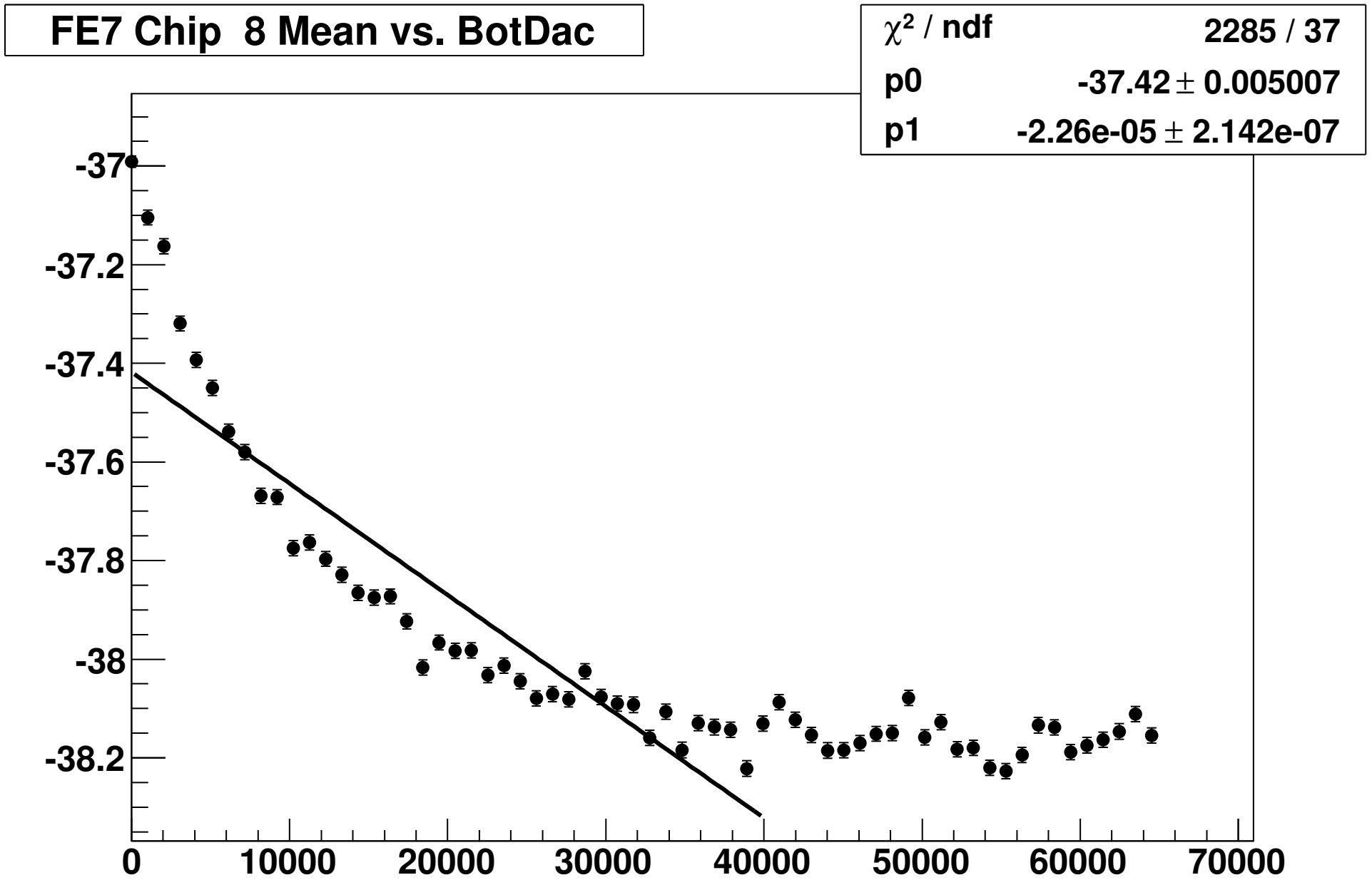
FE7 Chip 8 Mean vs. BotDac
χ² / ndf 2285 / 37
p0 -37.42 ± 0.005007
p1 -2.26e-05 ± 2.142e-07
-37
-37.2
-37.4
-37.6
-37.8
-38
-38.2
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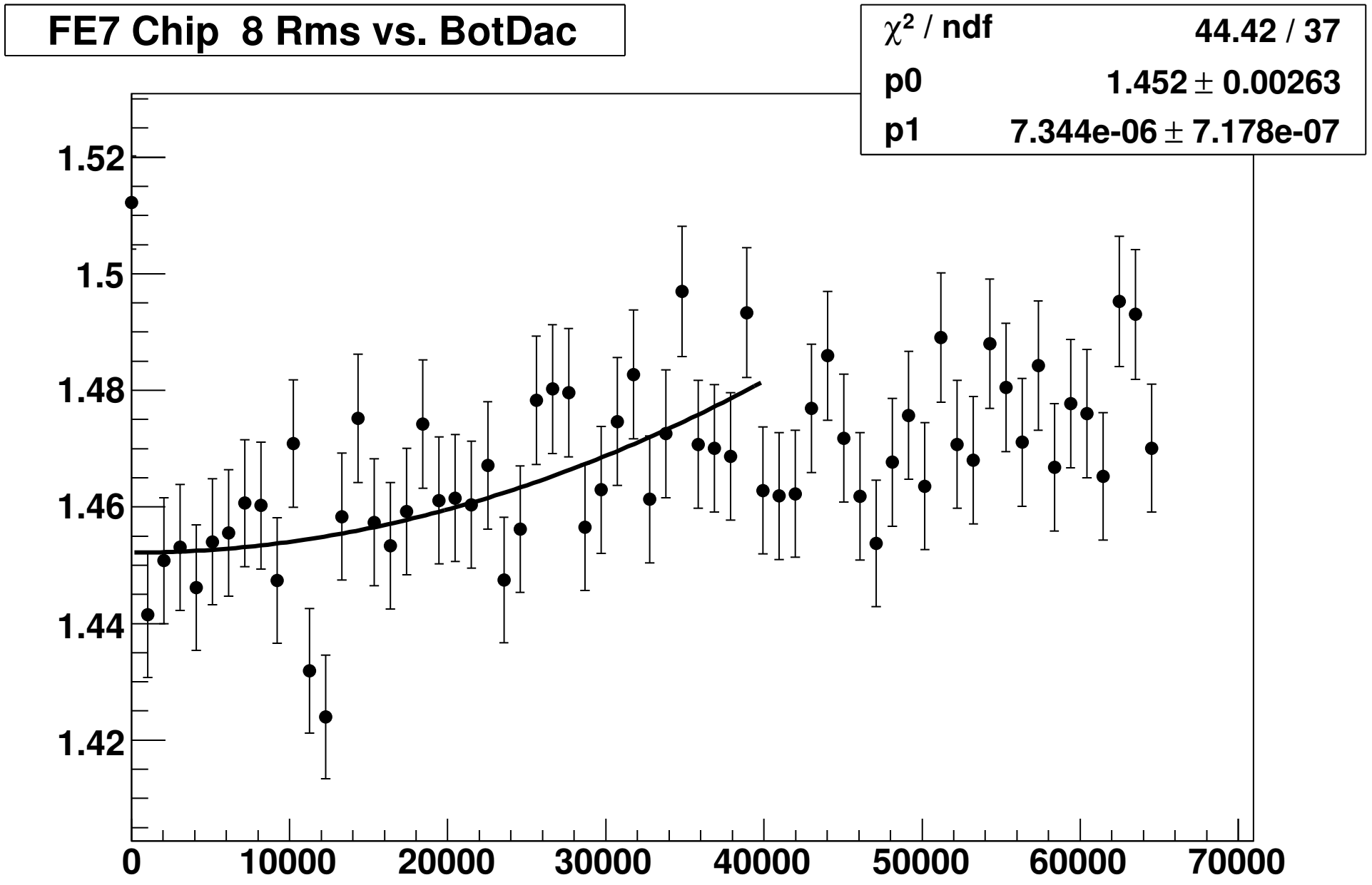
FE7 Chip 8 Rms vs. BotDac
χ² / ndf 44.42 / 37
p0 1.452 ± 0.00263
p1 7.344e-06 ± 7.178e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
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60000
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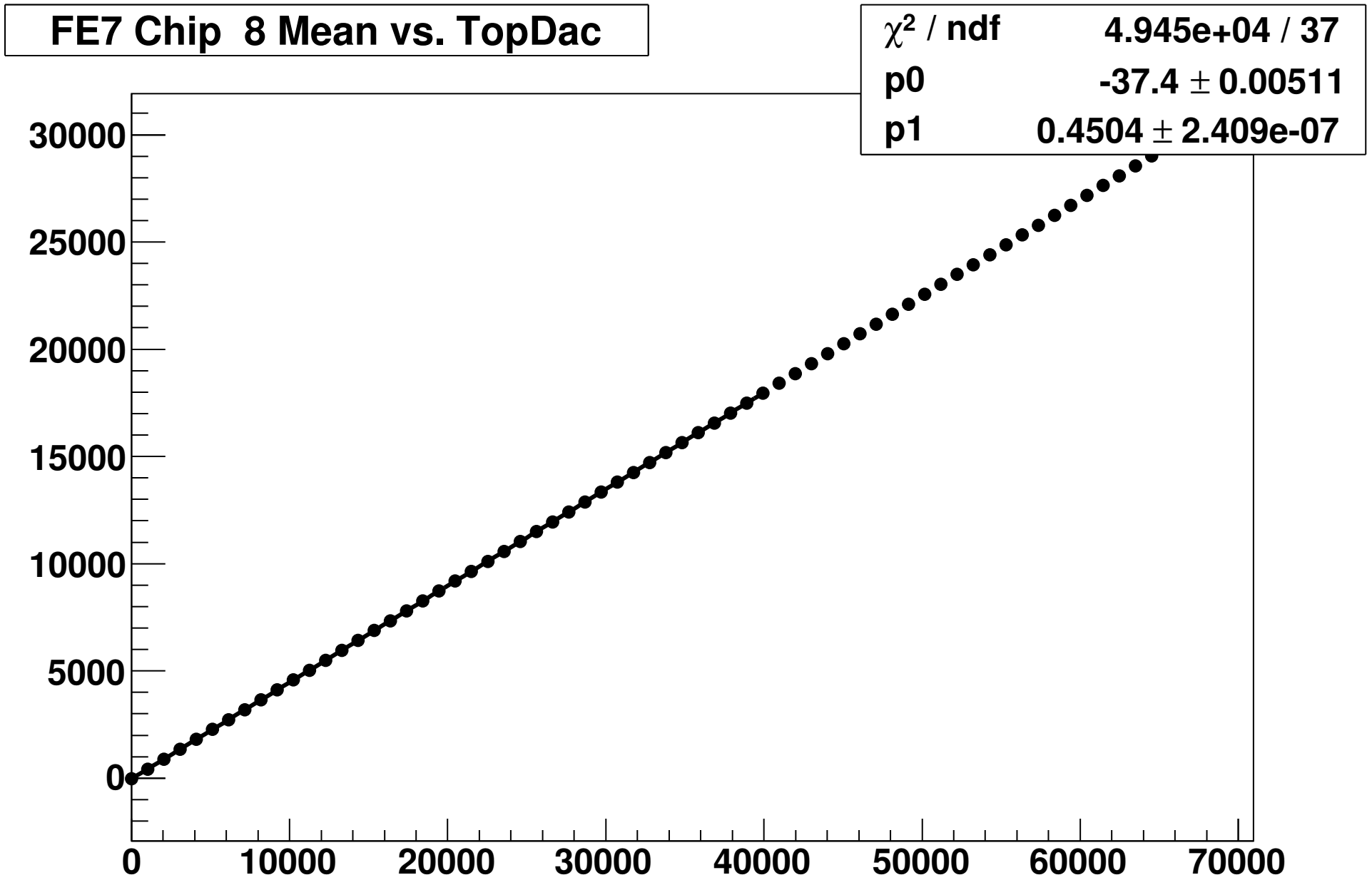
FE7 Chip 8 Mean vs. TopDac
χ² / ndf 4.945e+04 / 37
p0 -37.4 ± 0.00511
p1 0.4504 ± 2.409e-07
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15000
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5000
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10000
20000
30000
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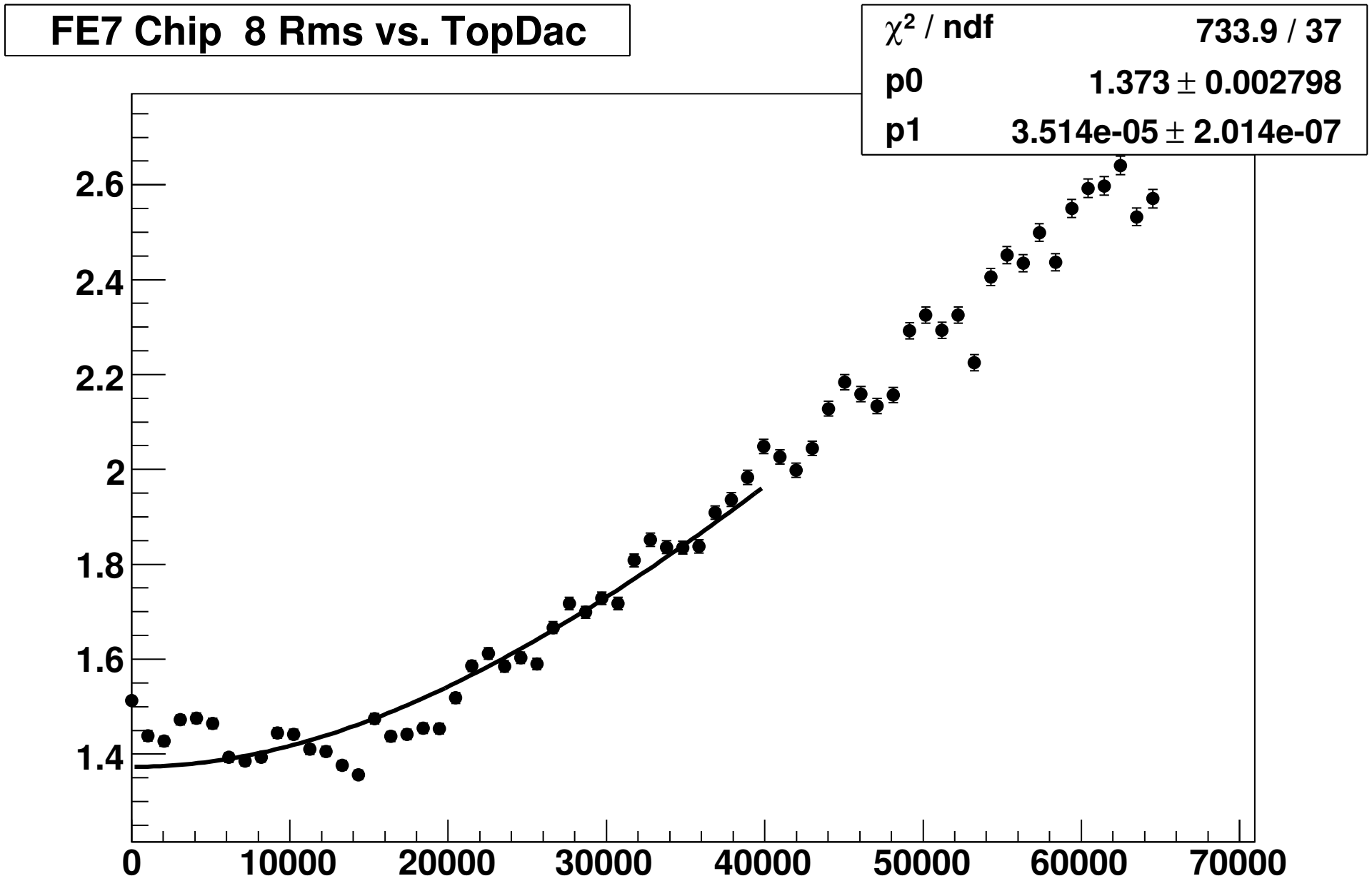
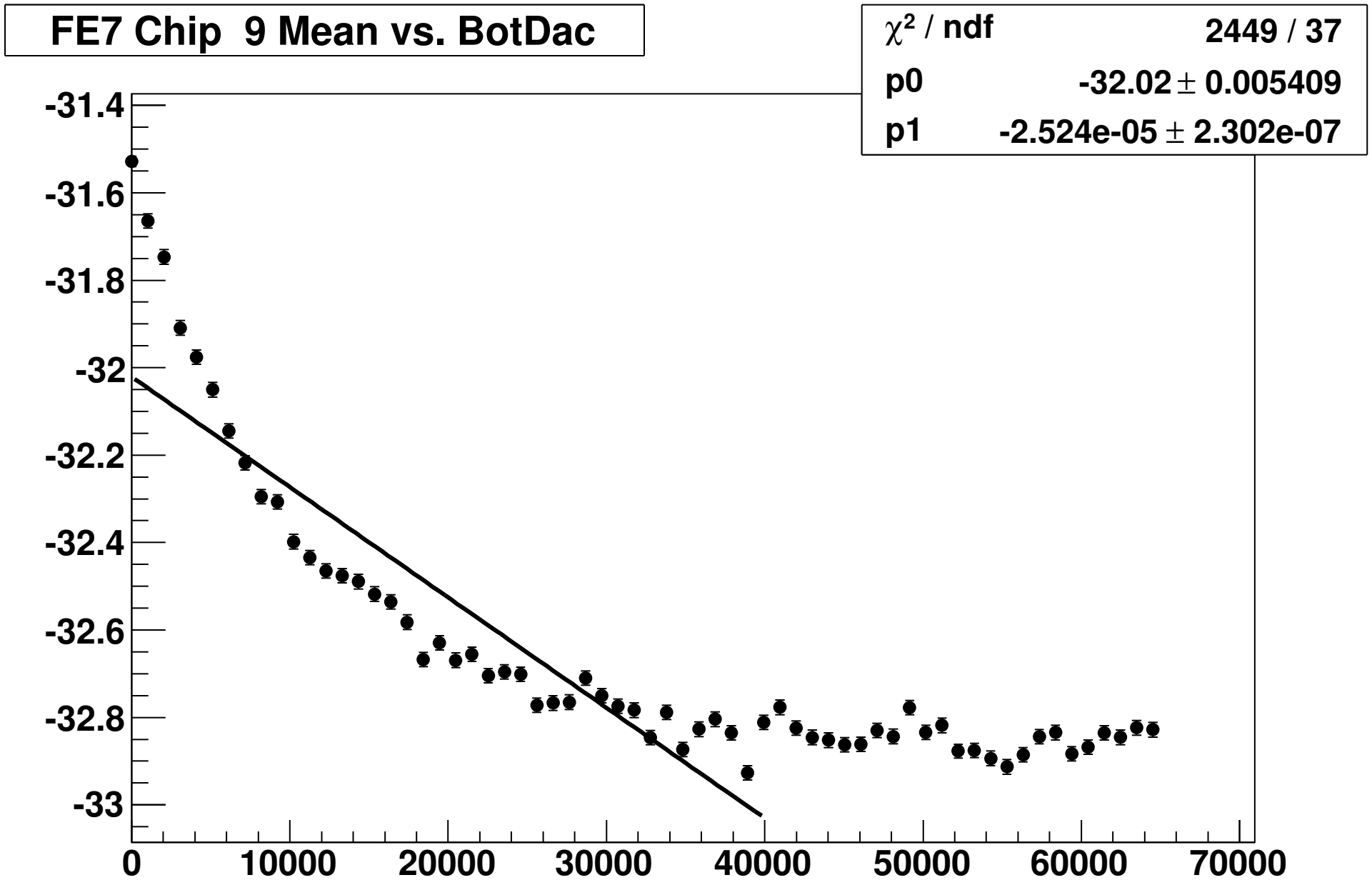
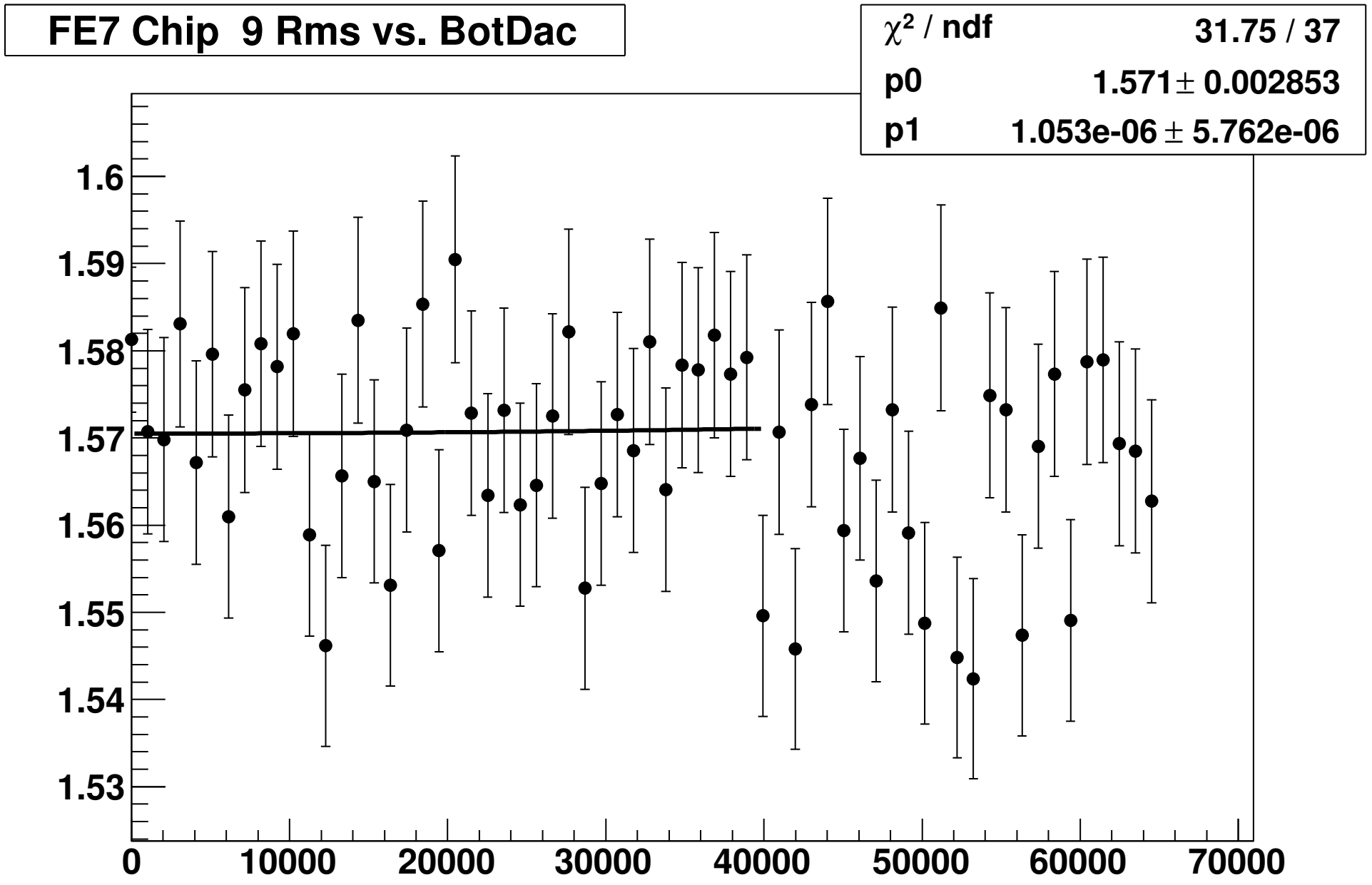
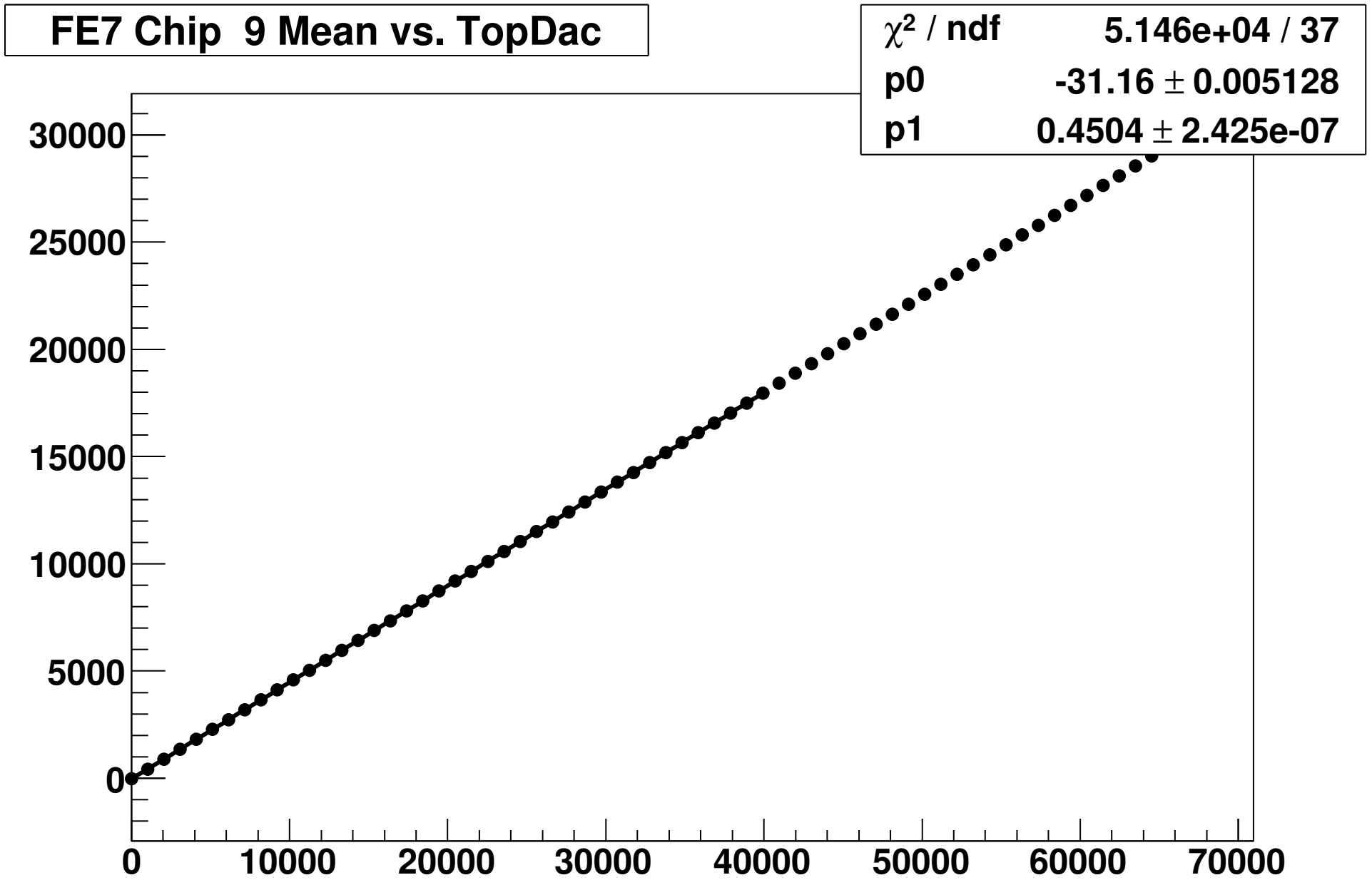
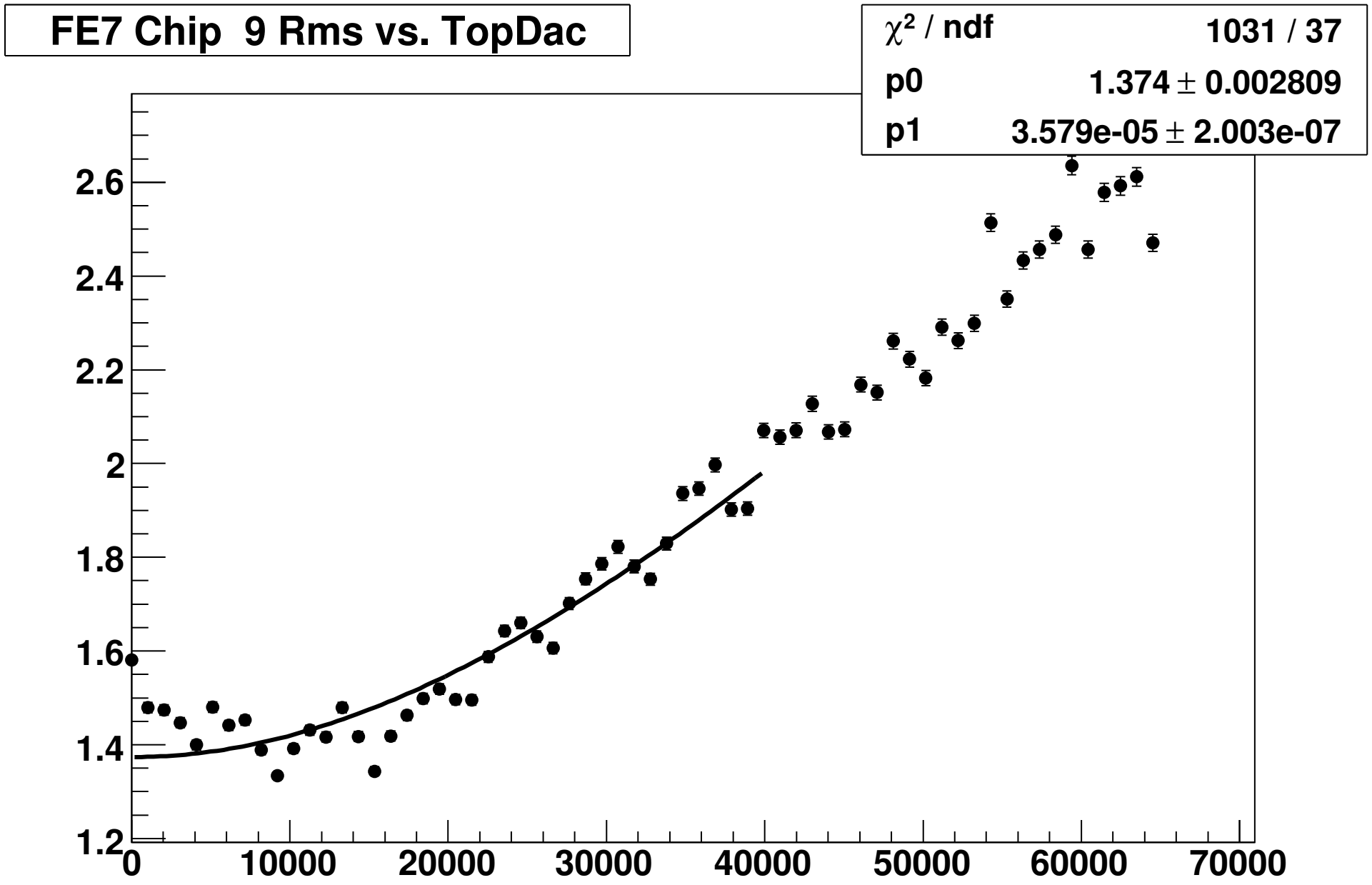
60000
70000

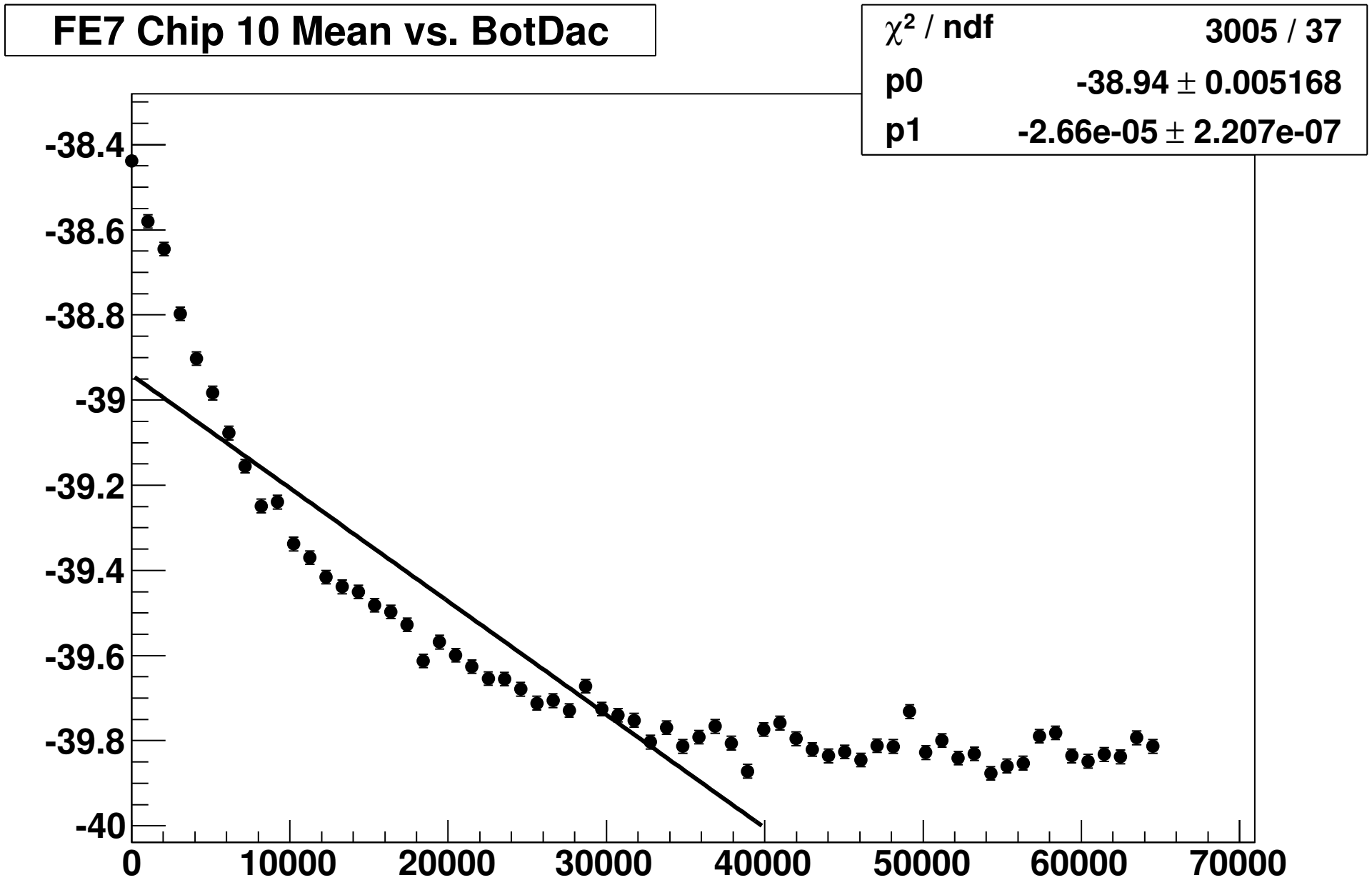

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 733.9 / 37
p0 1.373 ± 0.002798
p1 3.514e-05 ± 2.014e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

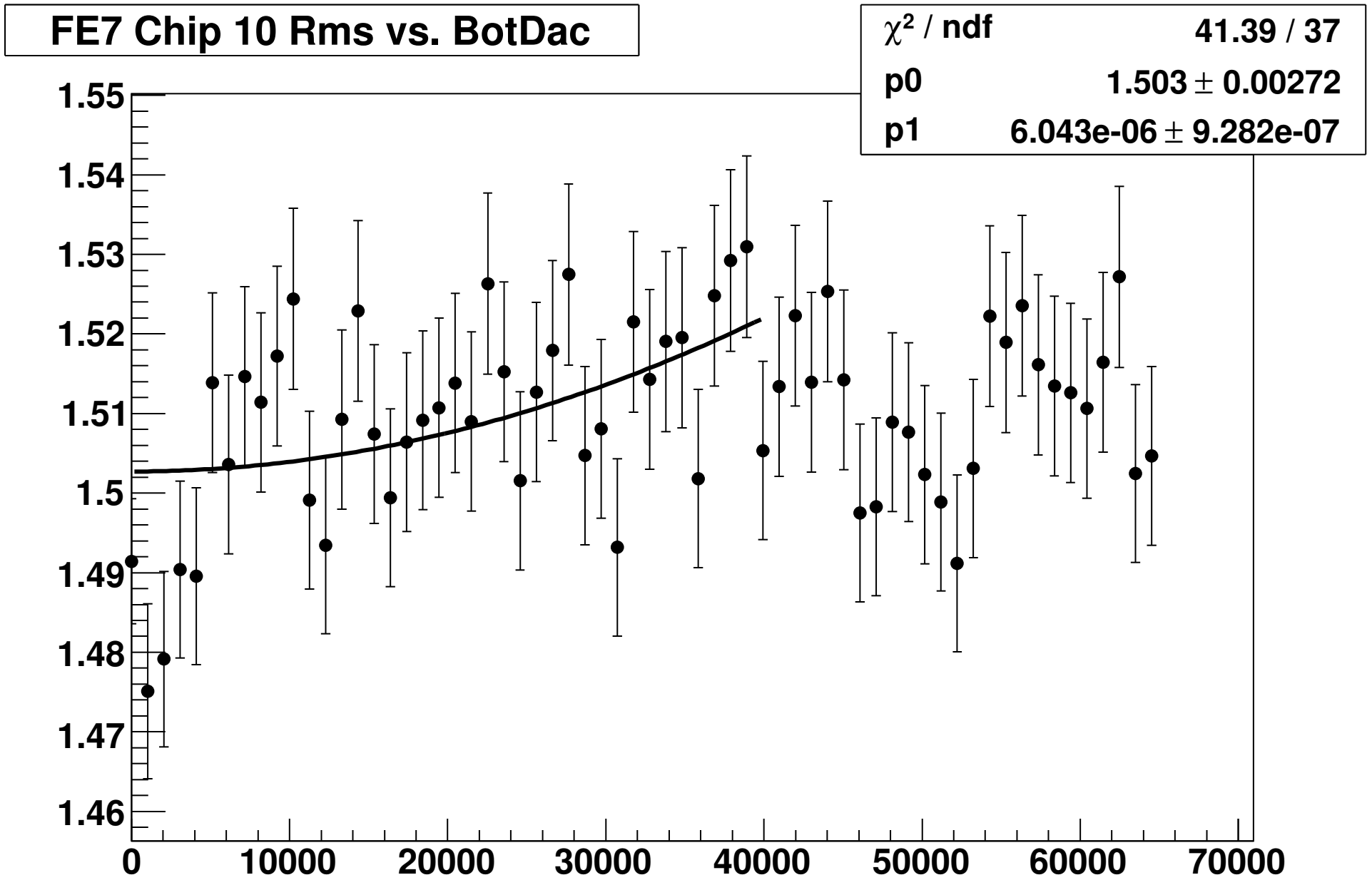

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 2449 / 37
p0 -32.02 ± 0.005409
p1 -2.524e-05 ± 2.302e-07
-31.4
-31.6
-31.8
-32
-32.2
-32.4
-32.6
-32.8
-33
0
10000
20000
30000
40000
50000
60000
70000

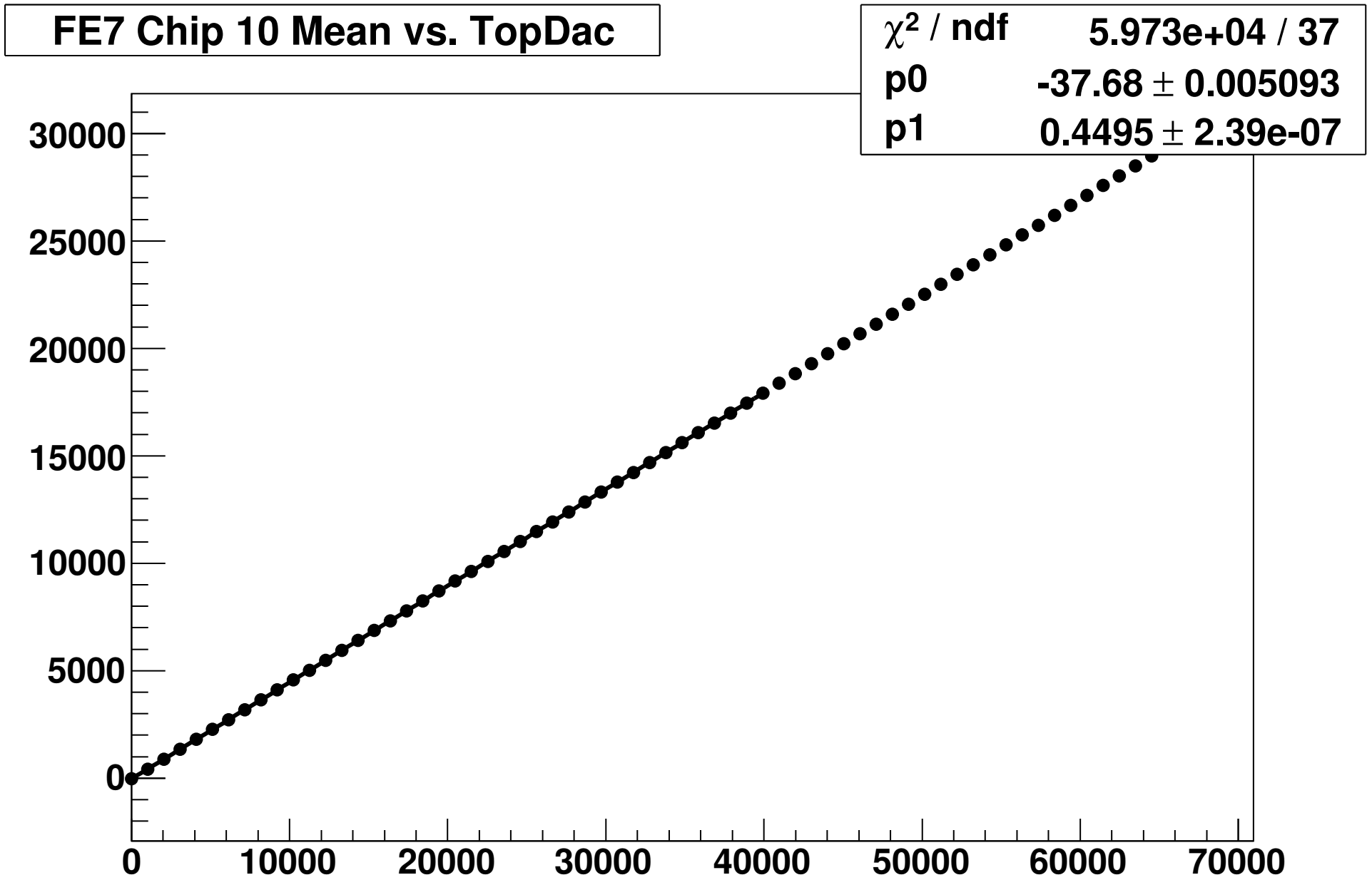

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 31.75 / 37
p0 1.571 ± 0.002853
p1 1.053e-06 ± 5.762e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

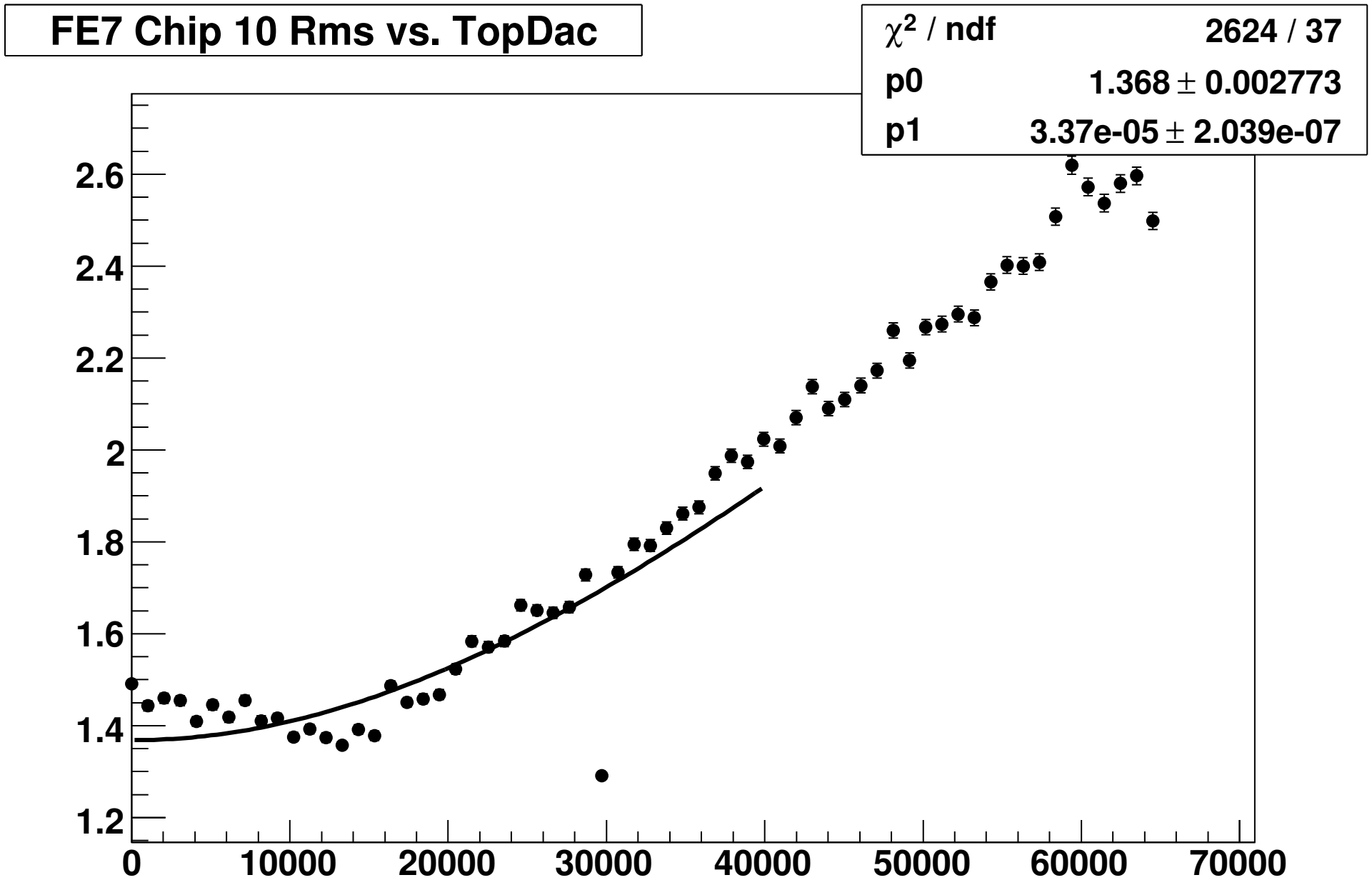

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 5.146e+04 / 37
p0 -31.16 ± 0.005128
p1 0.4504 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

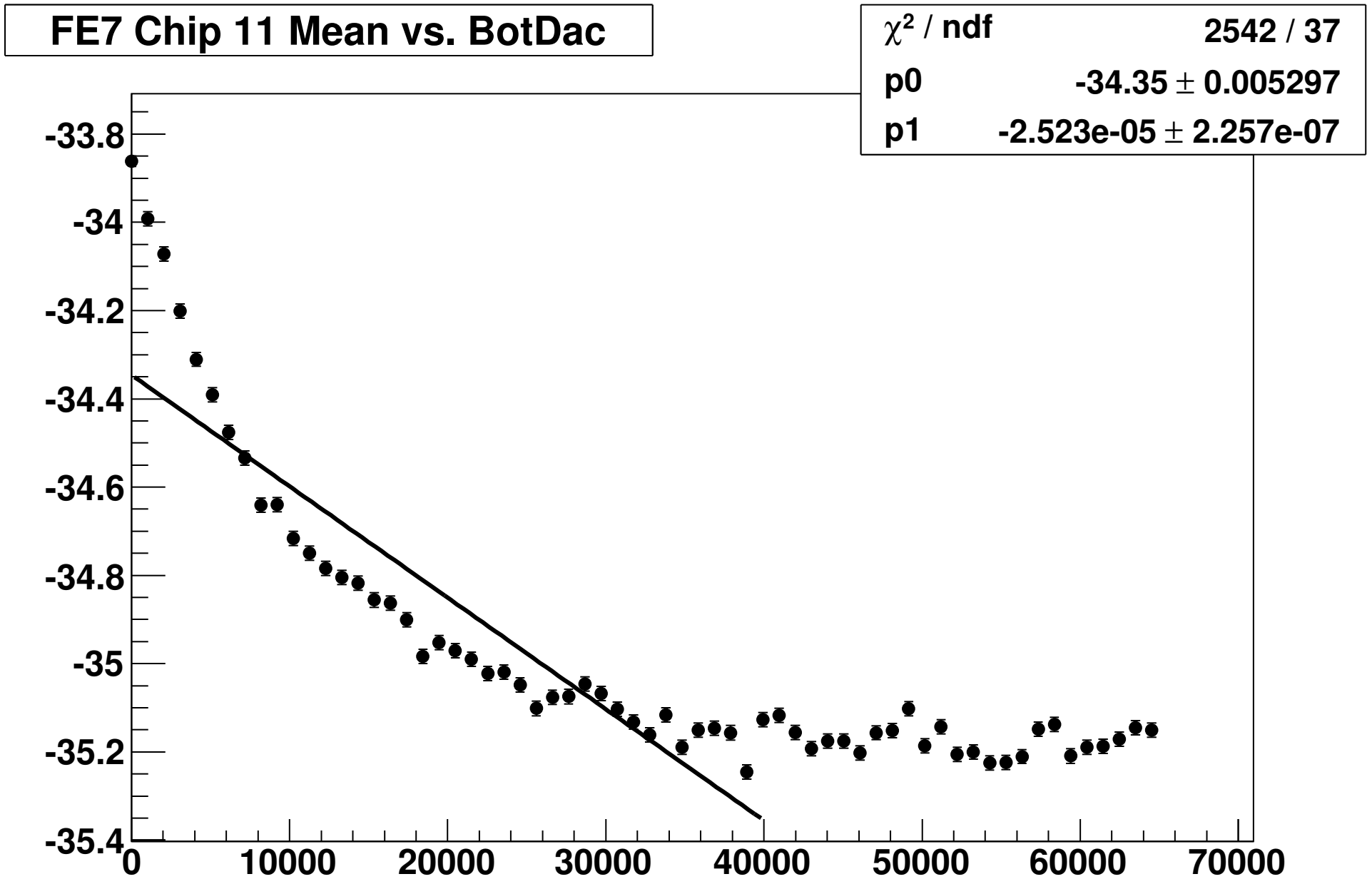

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1031 / 37
p0 1.374 ± 0.002809
p1 3.579e-05 ± 2.003e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

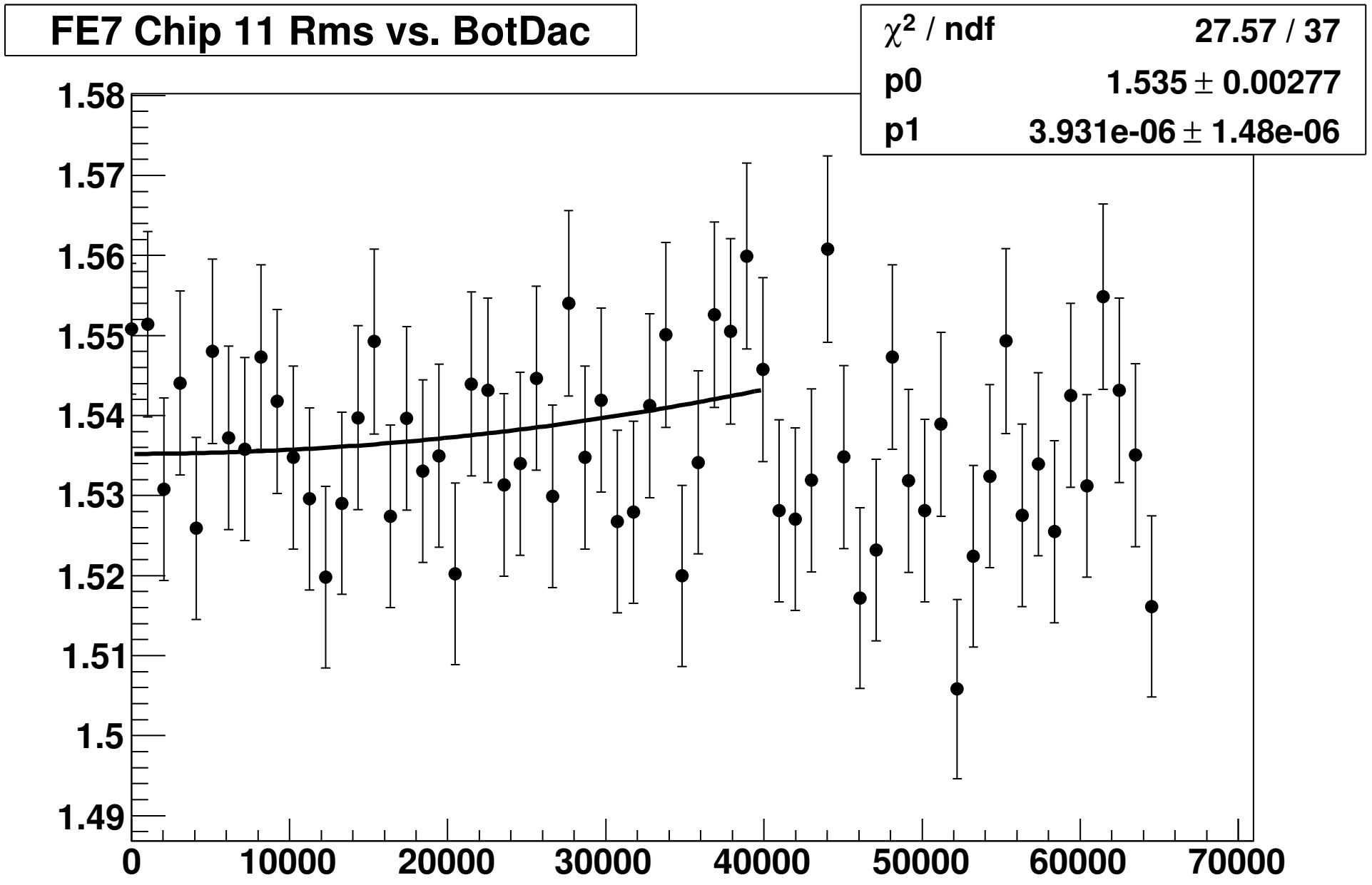

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 3005 / 37
p0 -38.94 ± 0.005168
p1 -2.66e-05 ± 2.207e-07
-38.4
-38.6
-38.8
-39
-39.2
-39.4
-39.6
-39.8
-40
0
10000
20000
30000
40000
50000
60000
70000

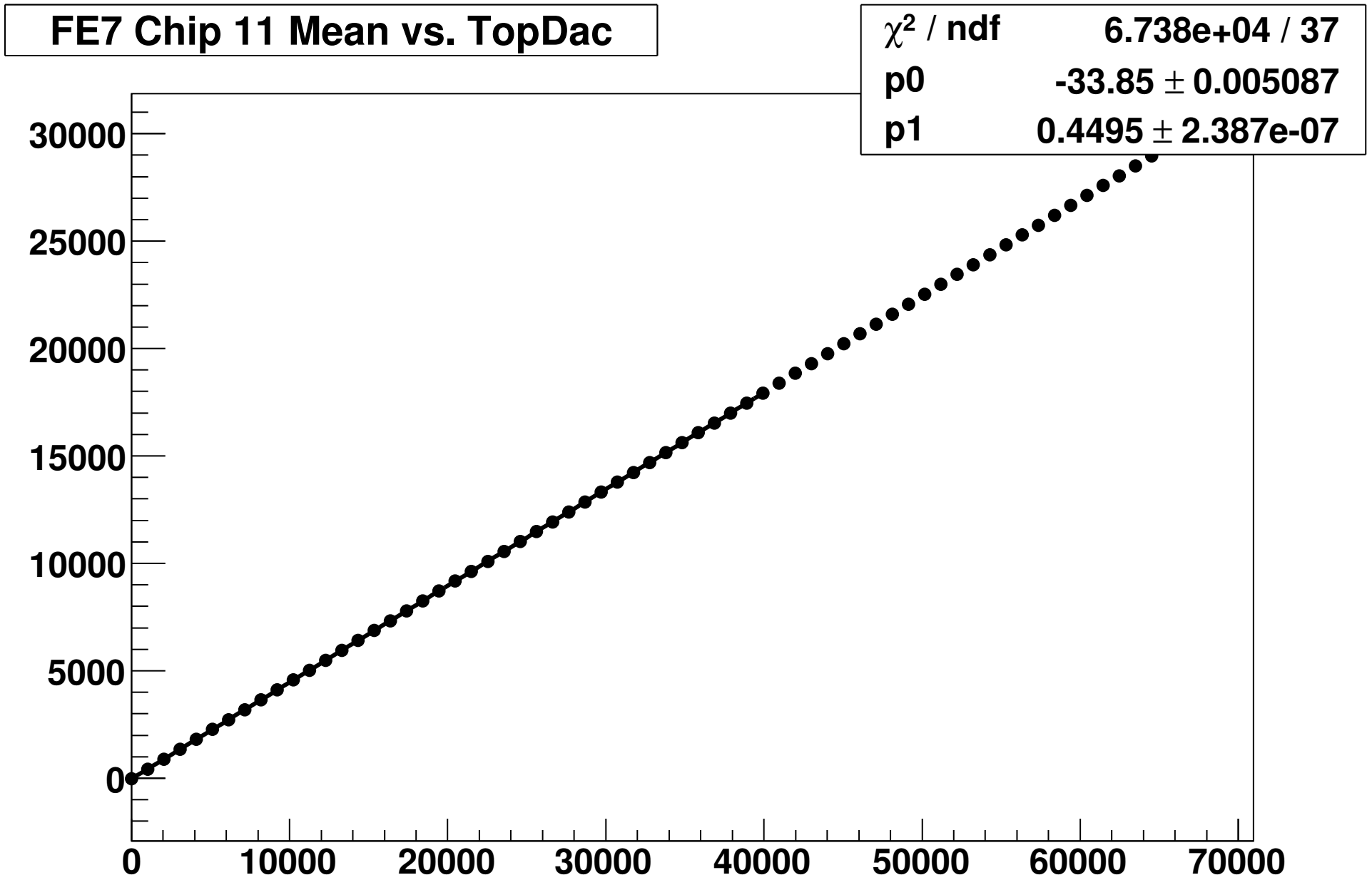

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 41.39 / 37
p0 1.503 ± 0.00272
p1 6.043e-06 ± 9.282e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

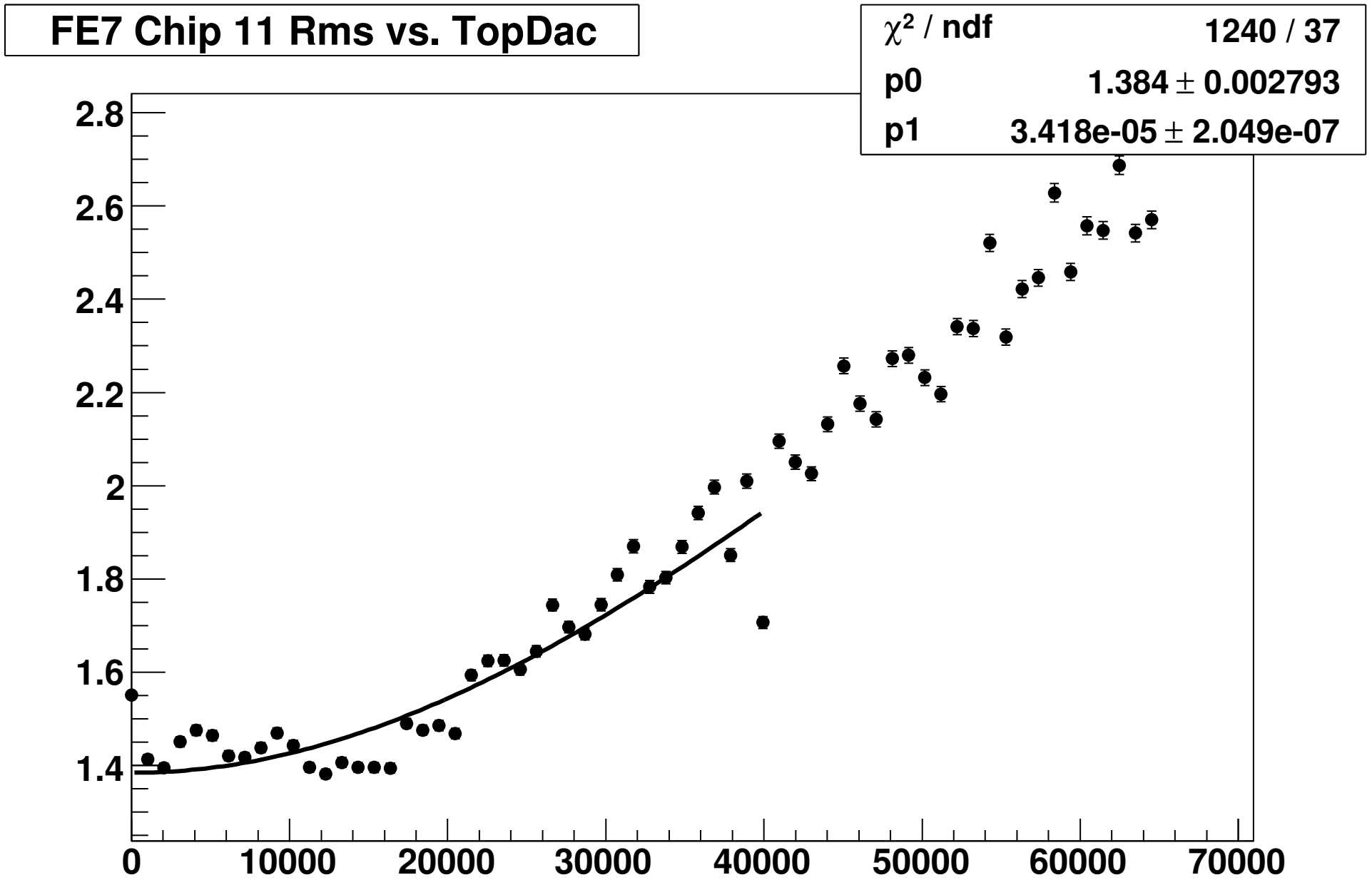

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 5.973e+04 / 37
p0 -37.68 ± 0.005093
p1 0.4495 ± 2.39e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

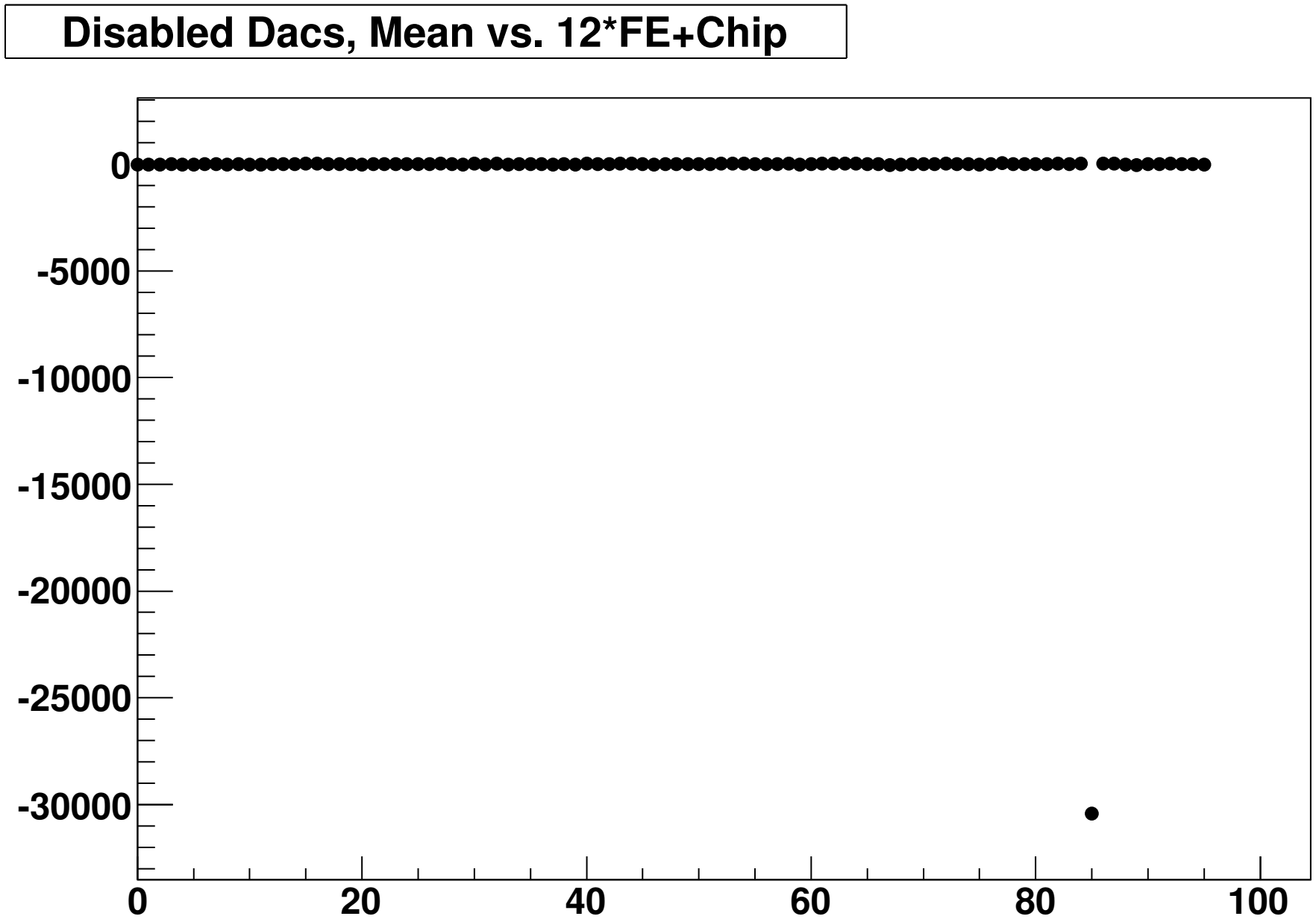

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 2624 / 37
p0 1.368 ± 0.002773
p1 3.37e-05 ± 2.039e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

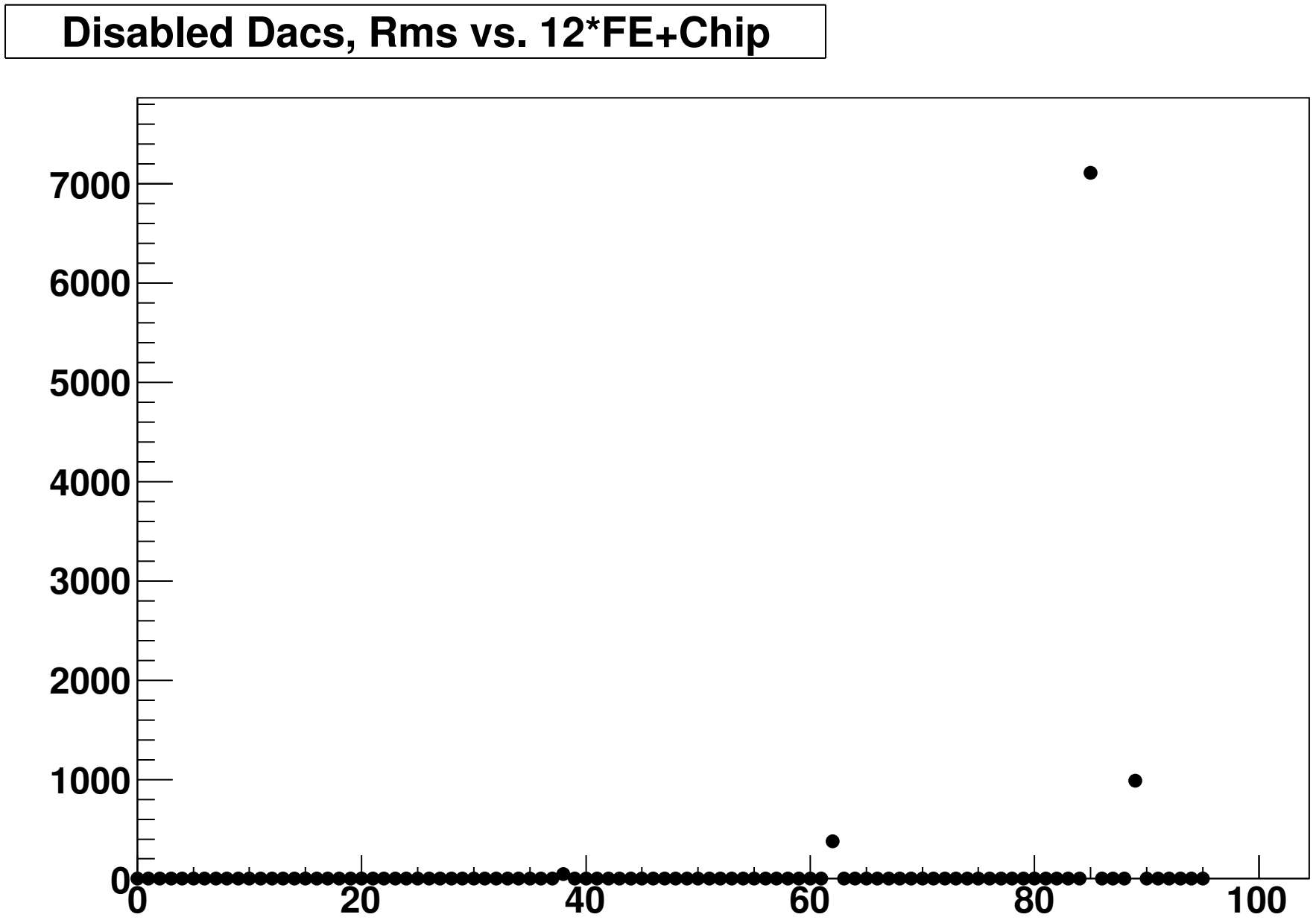

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 2542 / 37
p0 -34.35 ± 0.005297
p1 -2.523e-05 ± 2.257e-07
-33.8
-34
-34.2
-34.4
-34.6
-34.8
-35
-35.2
-35.4
0
10000
20000
30000
40000
50000
60000
70000

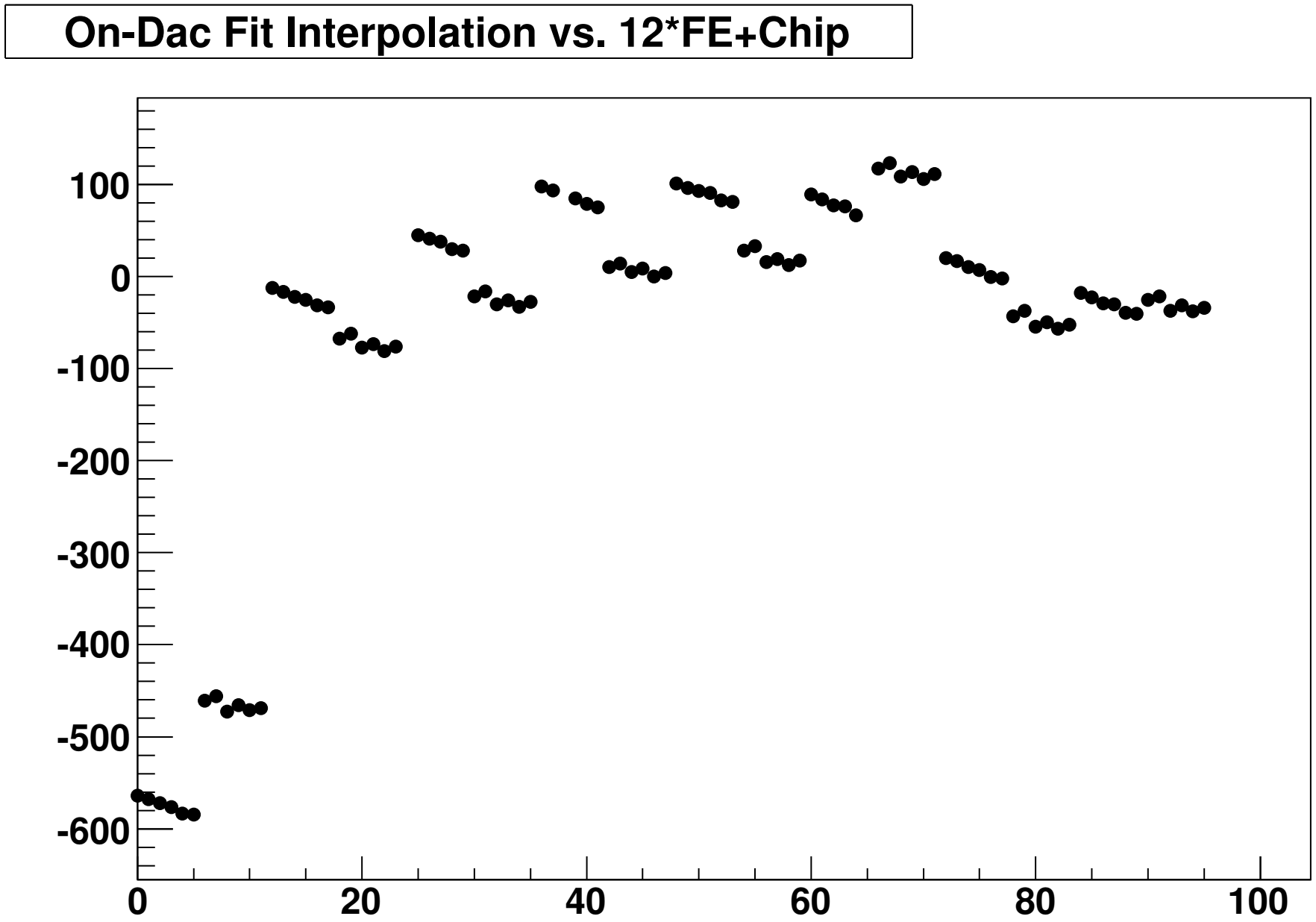

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 27.57 / 37
p0 1.535 ± 0.00277
p1 3.931e-06 ± 1.48e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

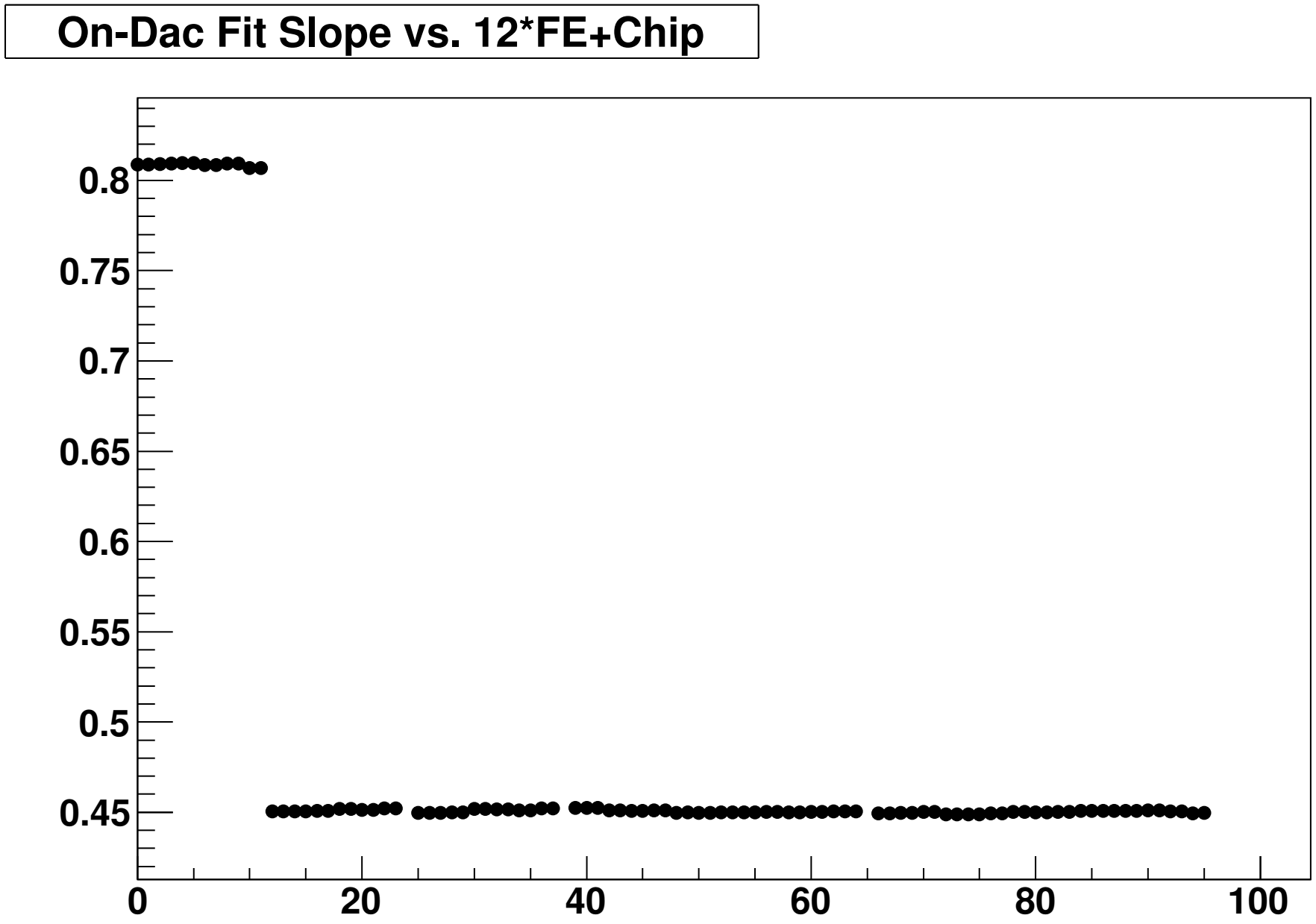

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 6.738e+04 / 37
p0 -33.85 ± 0.005087
p1 0.4495 ± 2.387e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

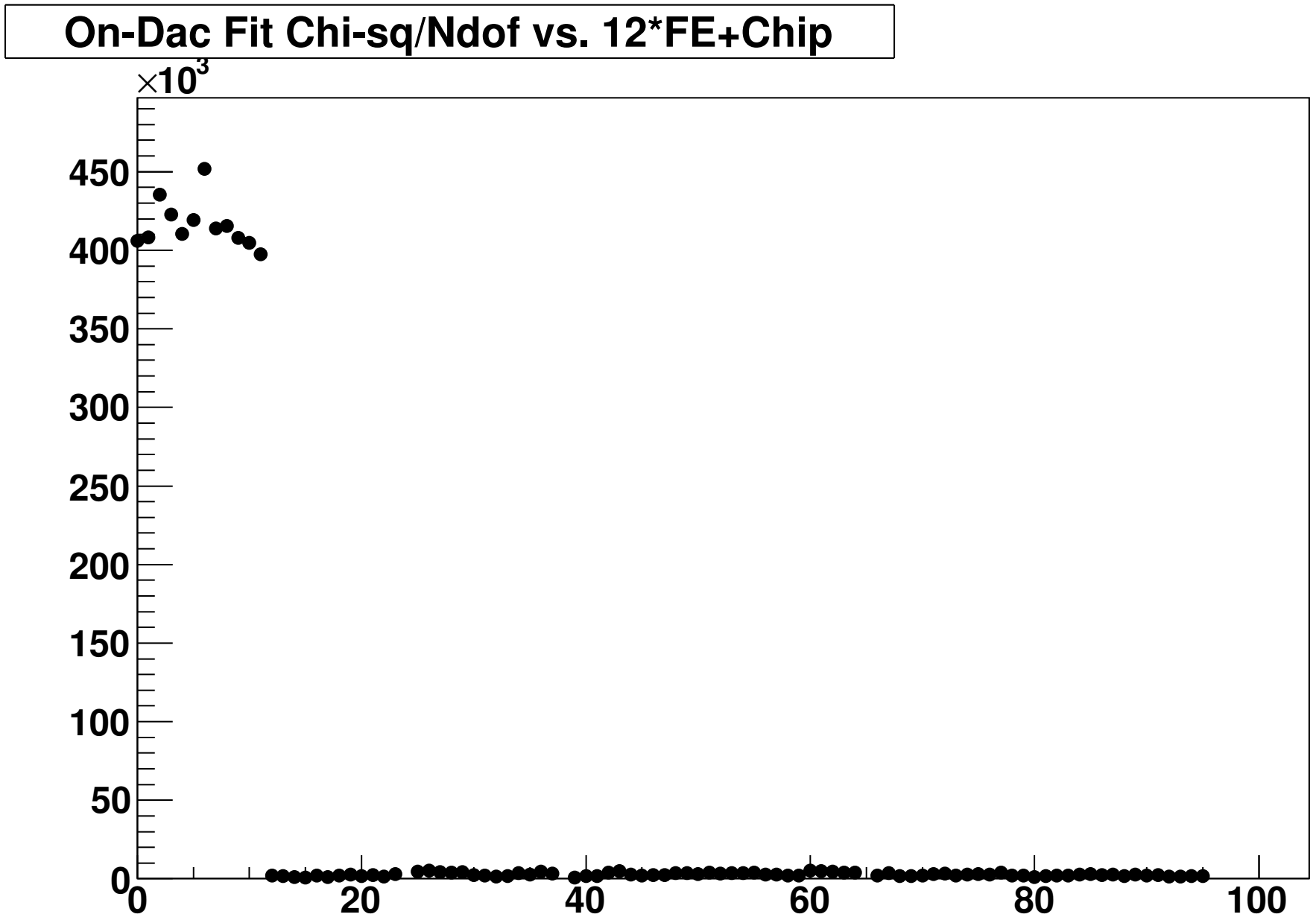

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1240 / 37
p0 1.384 ± 0.002793
p1 3.418e-05 ± 2.049e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

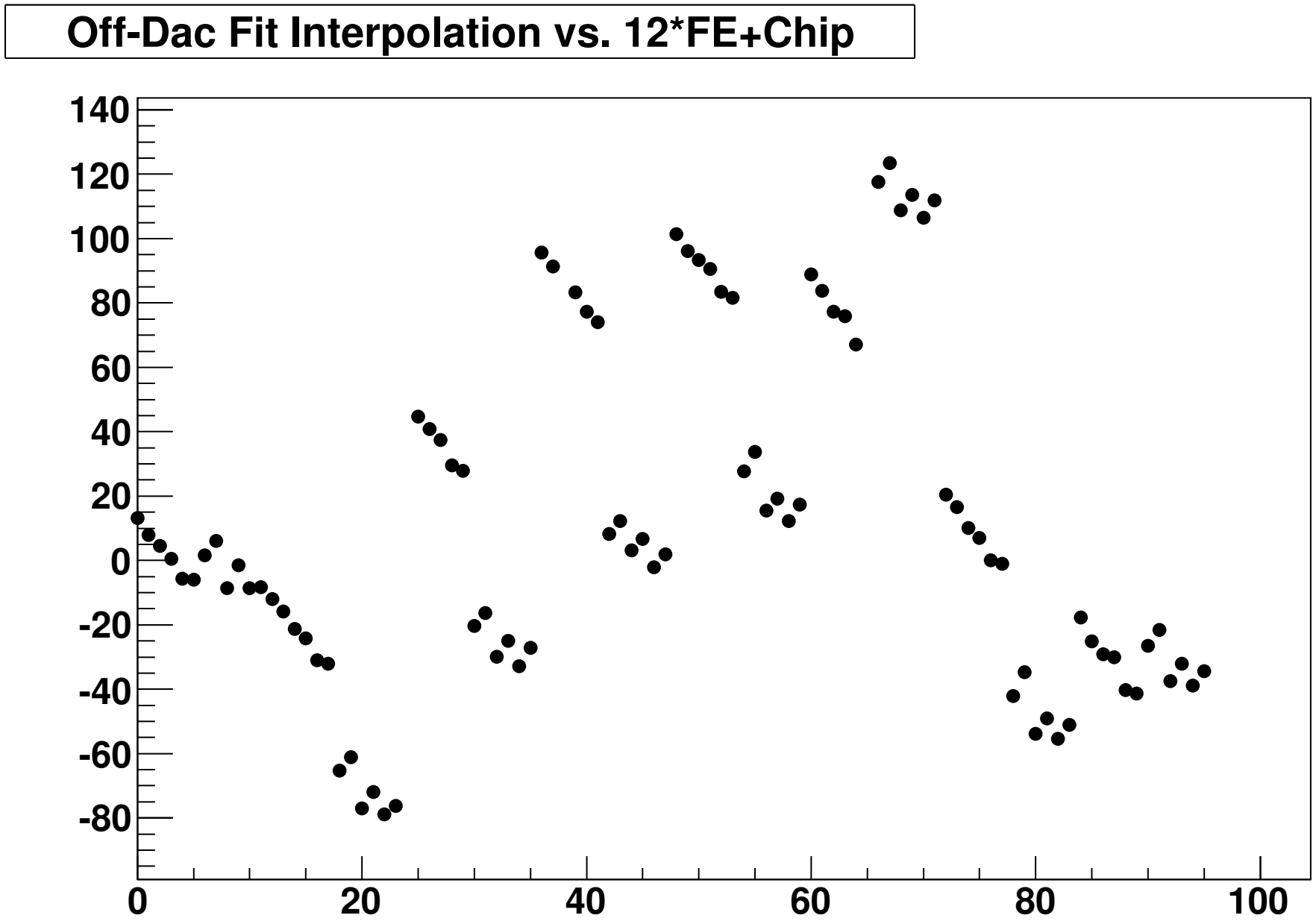

Disabled Dacs, Mean vs. 12*FE+Chip
0
-5000
-10000
-15000
-20000
-25000
-30000
0
20
40
60
80
100

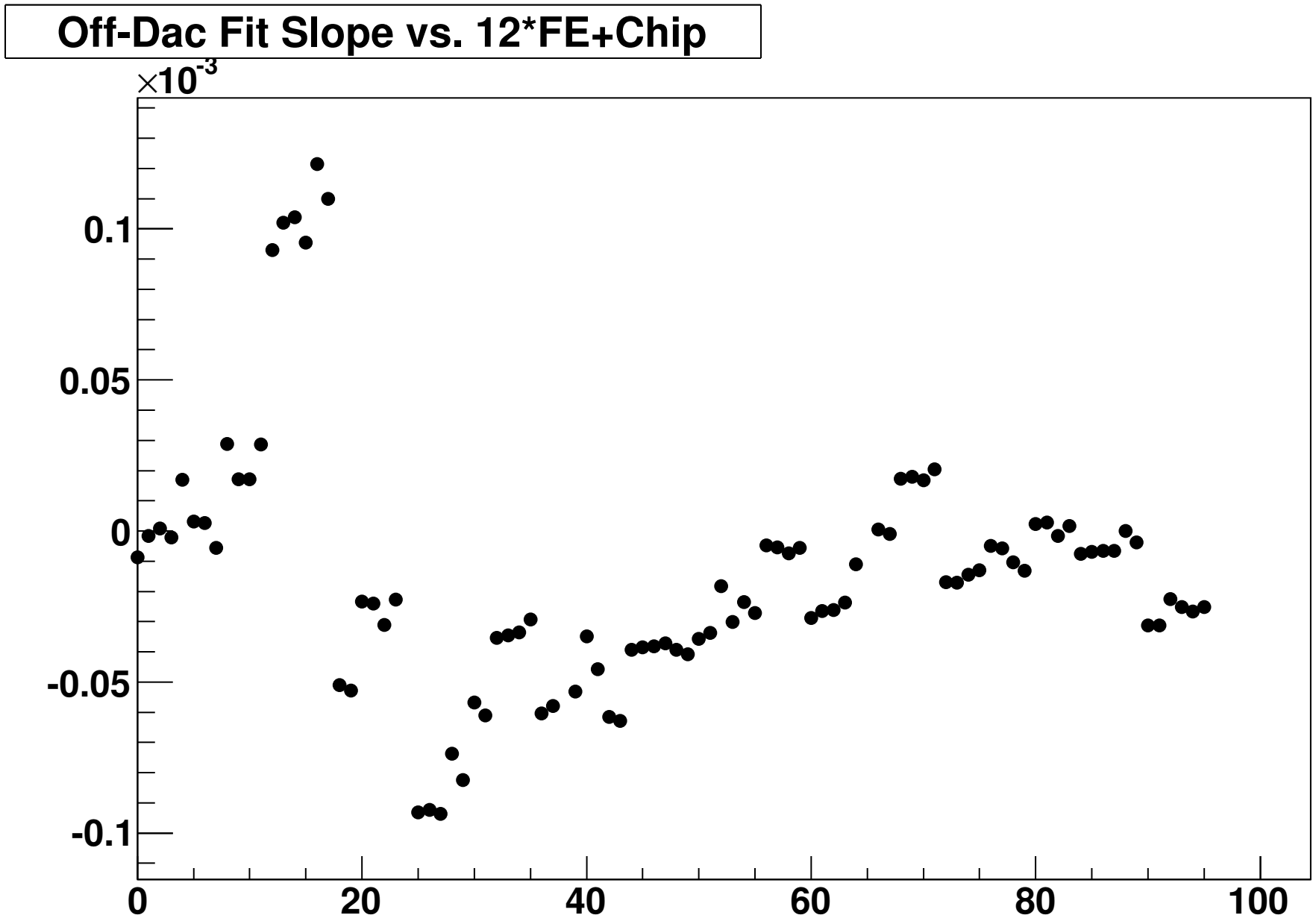

Disabled Dacs, Rms vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

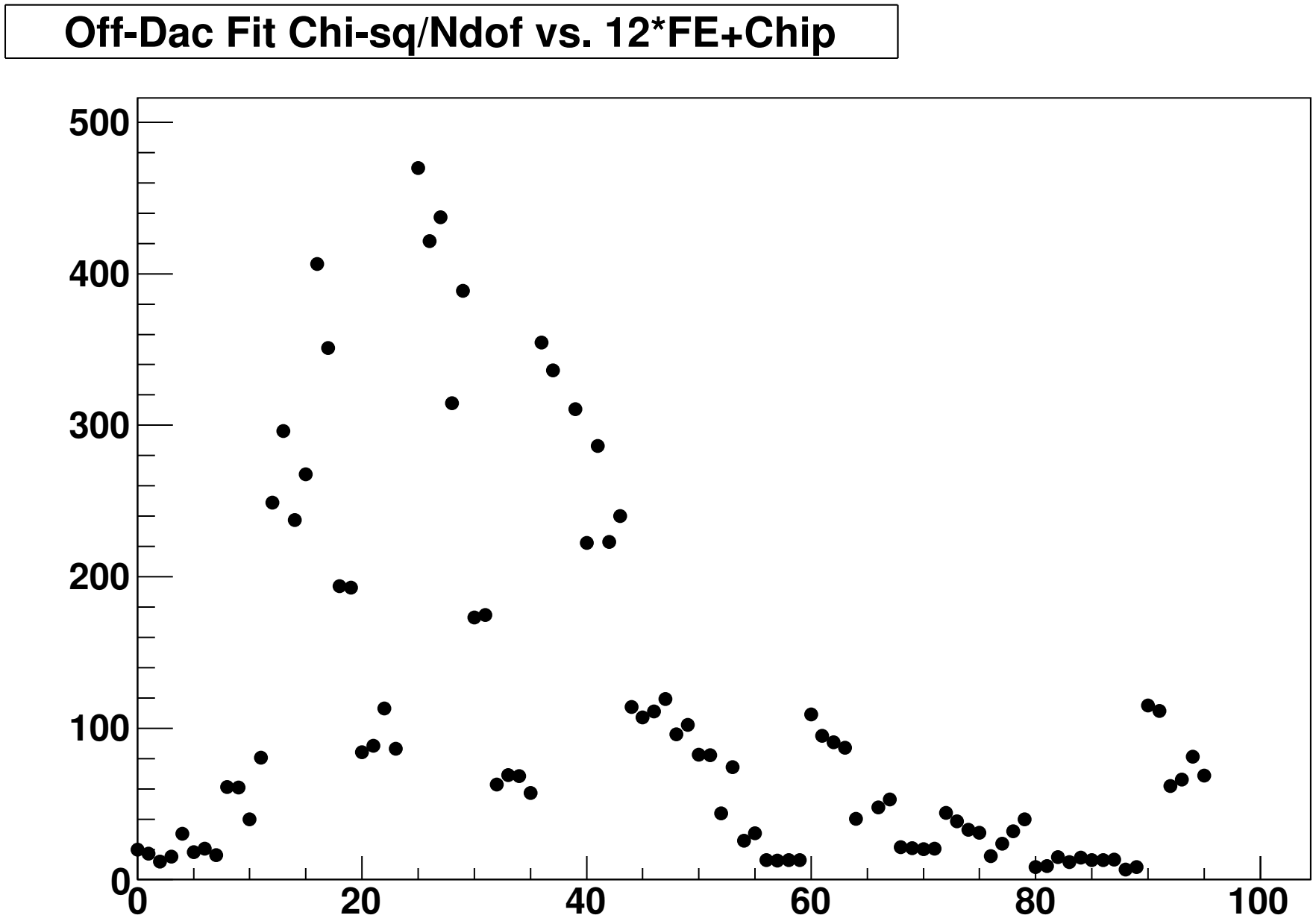

On-Dac Fit Interpolation vs. 12*FE+Chip
100
0
-100
-200
-300
-400
-500
-600
0
20
40
60
80
100

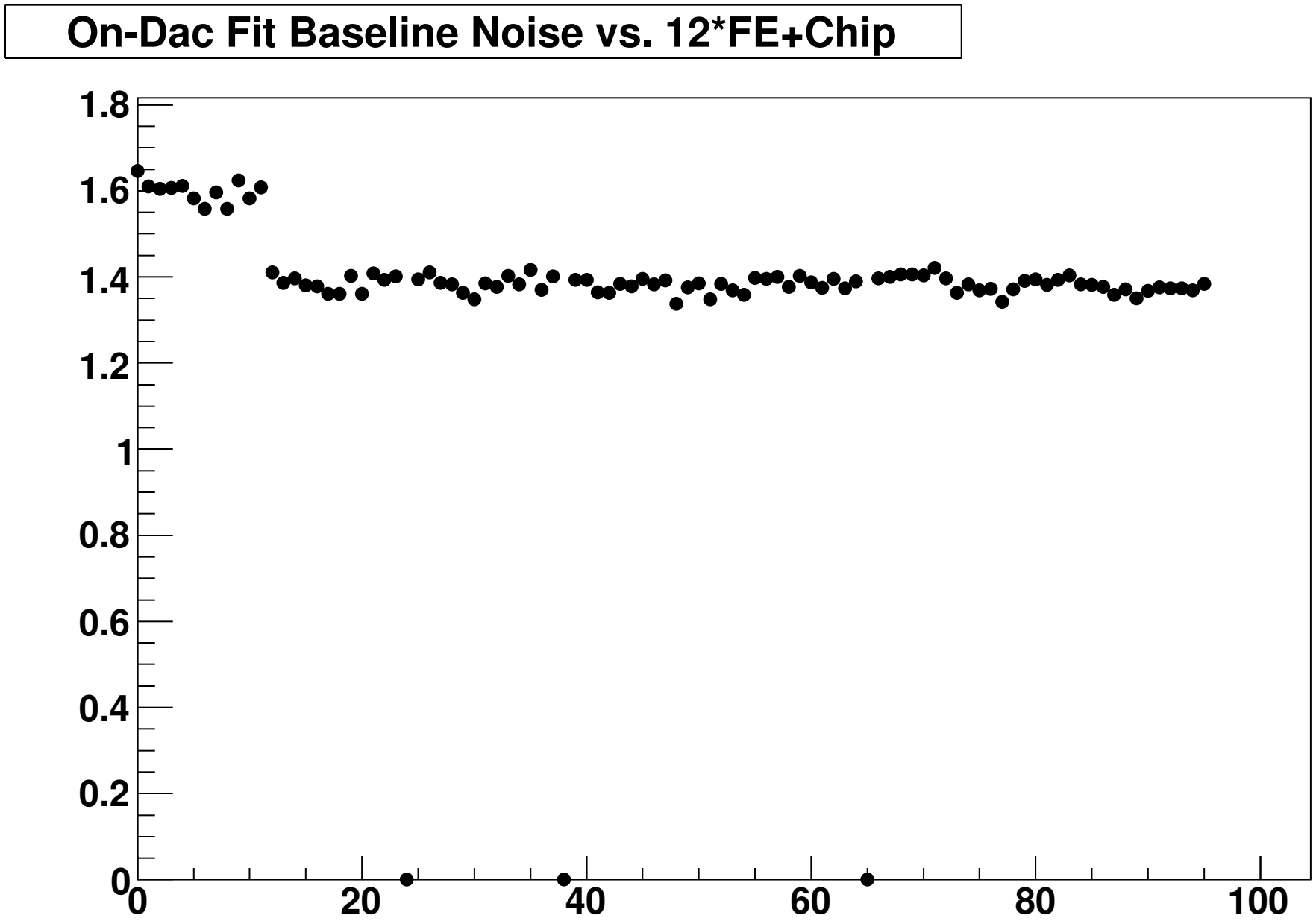

On-Dac Fit Slope vs. 12*FE+Chip
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0
20
40
60
80
100

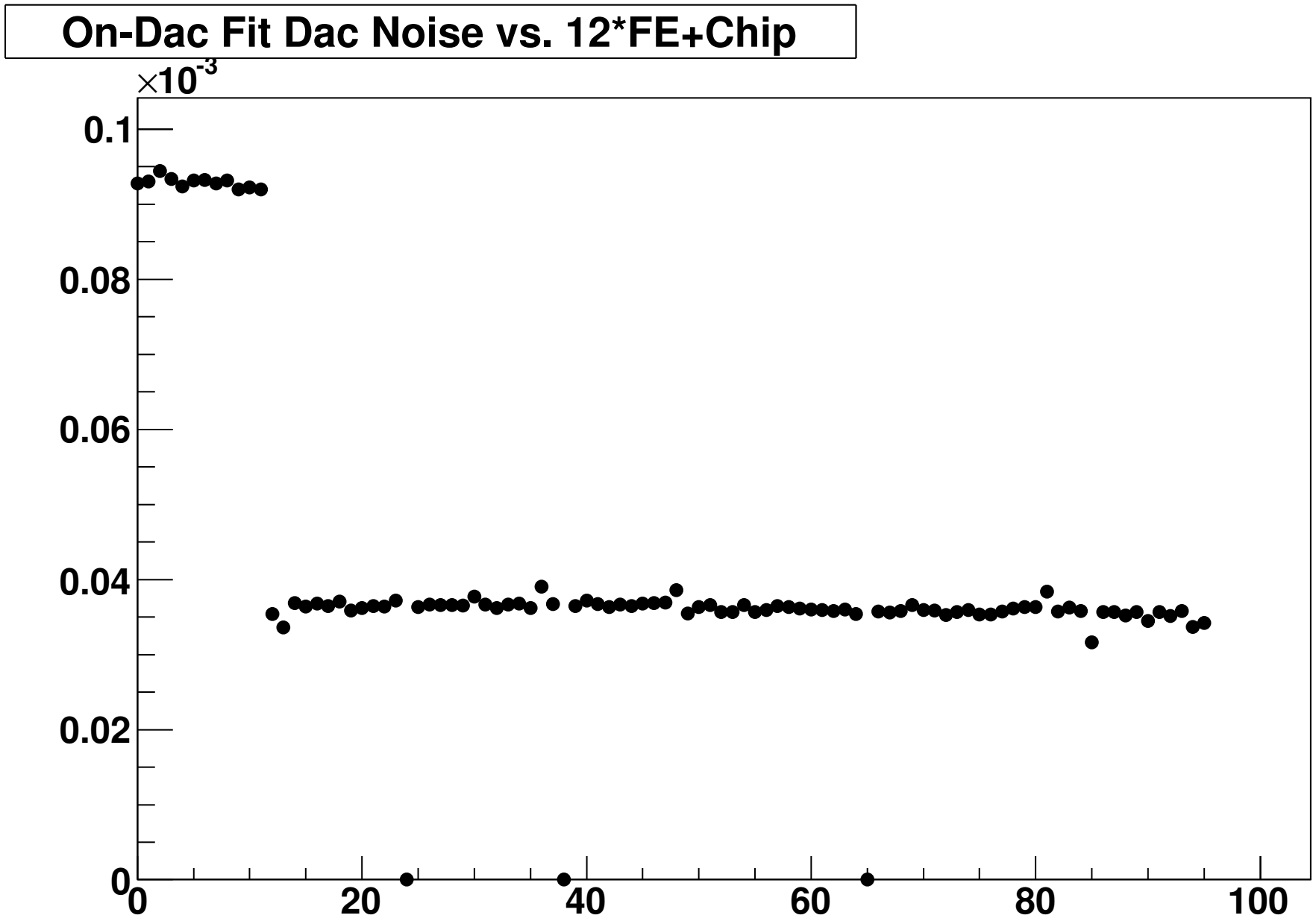

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
450
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100

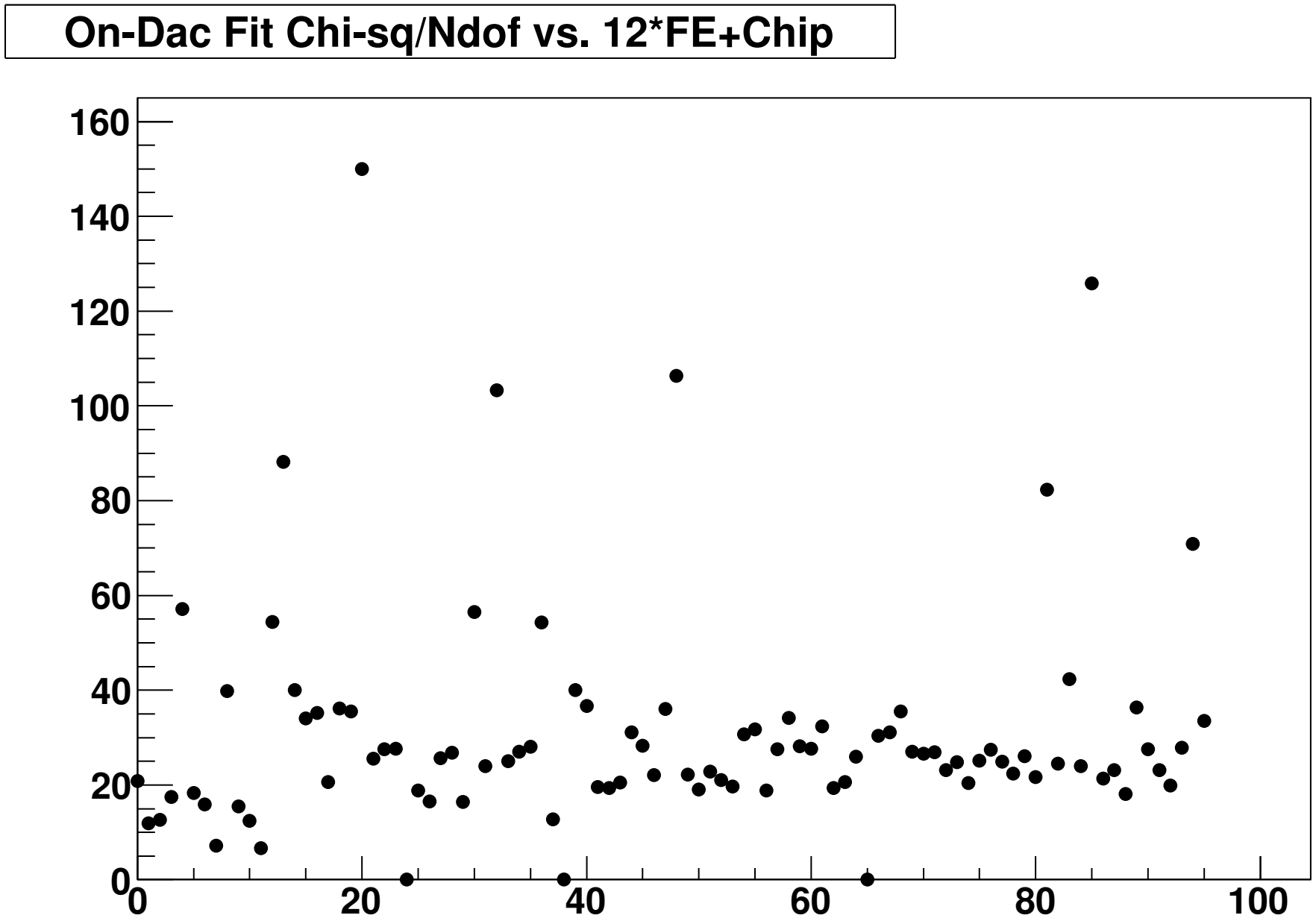

Off-Dac Fit Interpolation vs. 12*FE+Chip
140
120
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

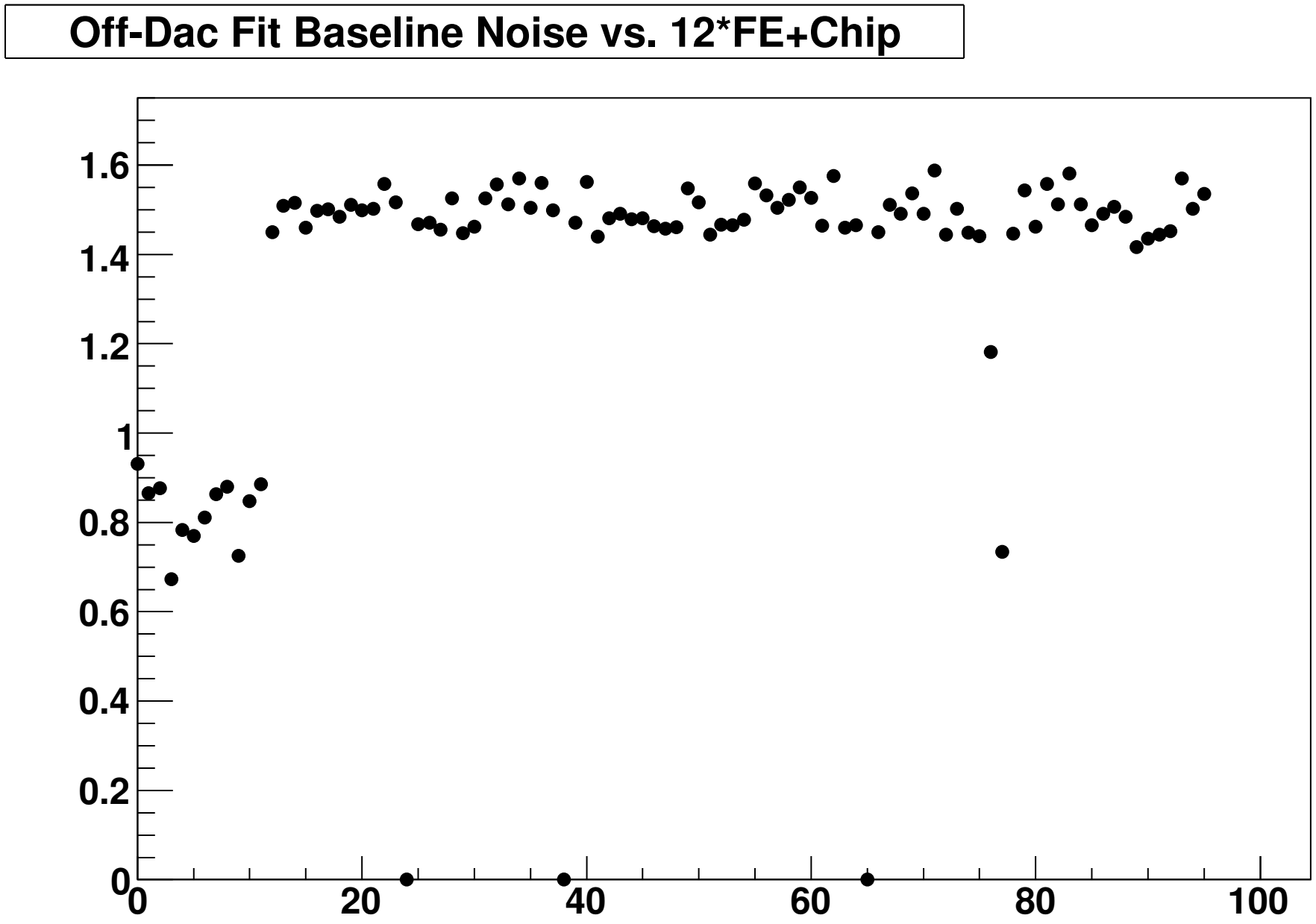

Off-Dac Fit Slope vs. 12*FE+Chip
×10-3
0.1
0.05
0
-0.05
-0.1
0
20
40
60
80
100

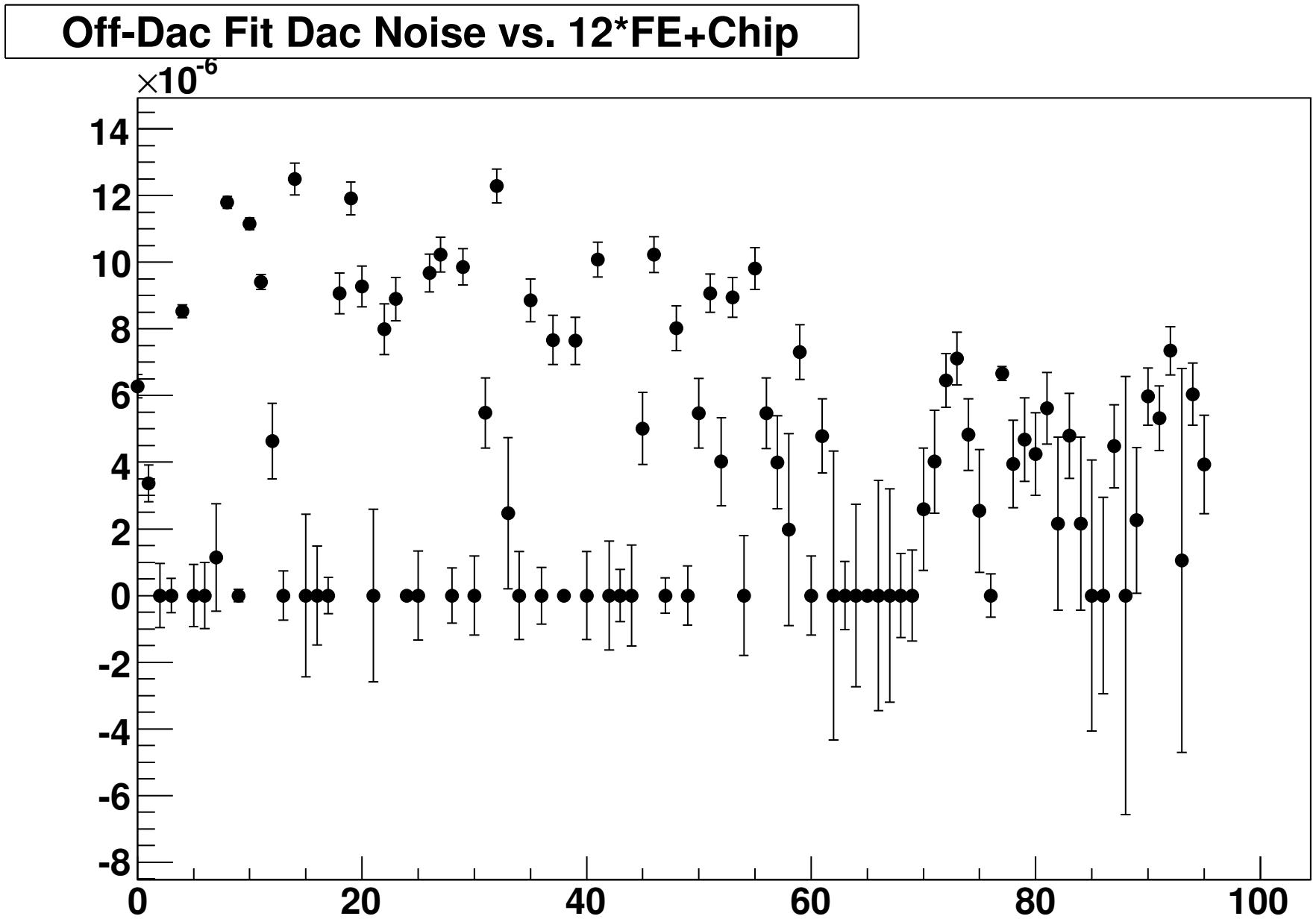

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
500
400
300
200
100
0
0
20
40
60
80
100

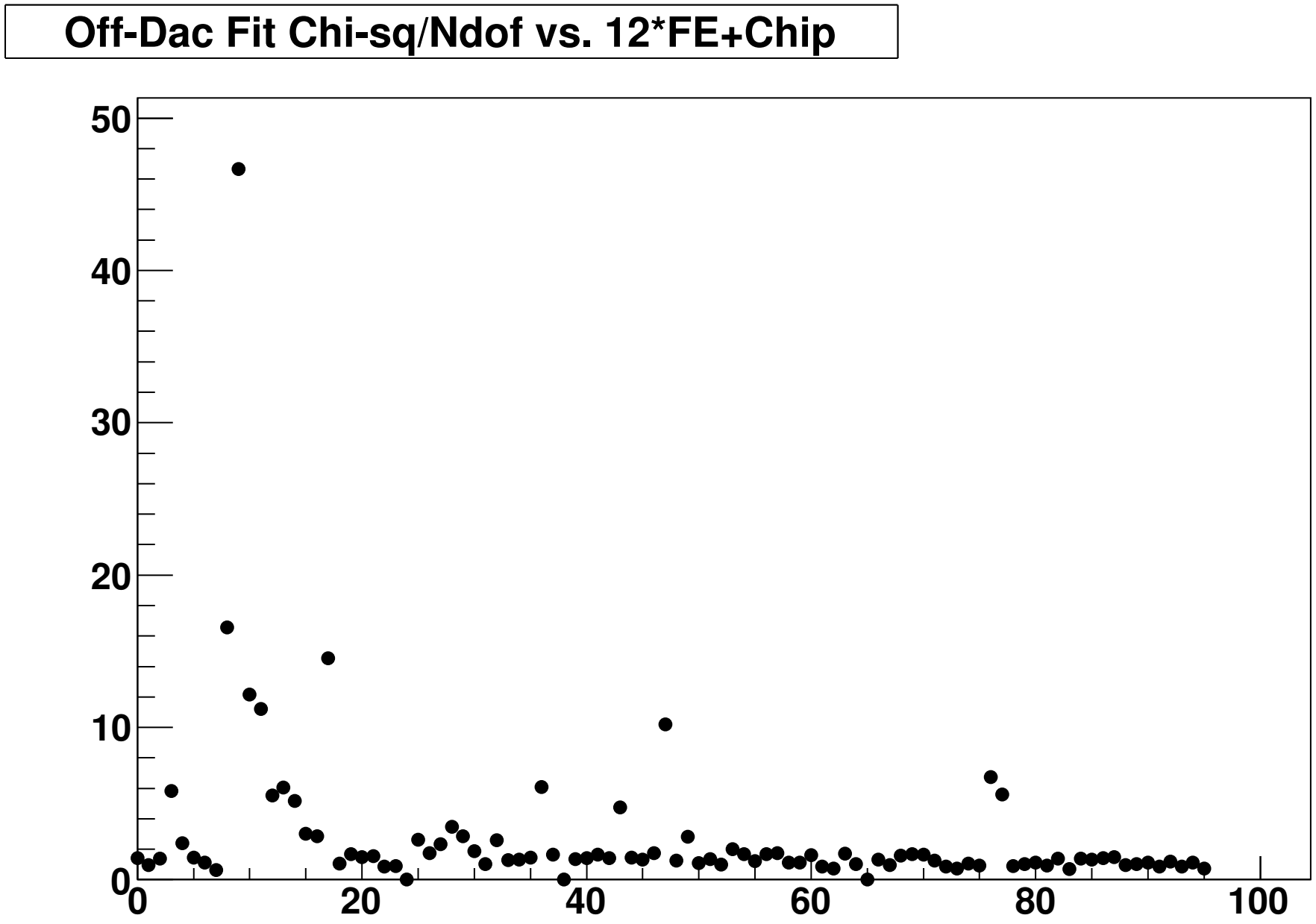

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

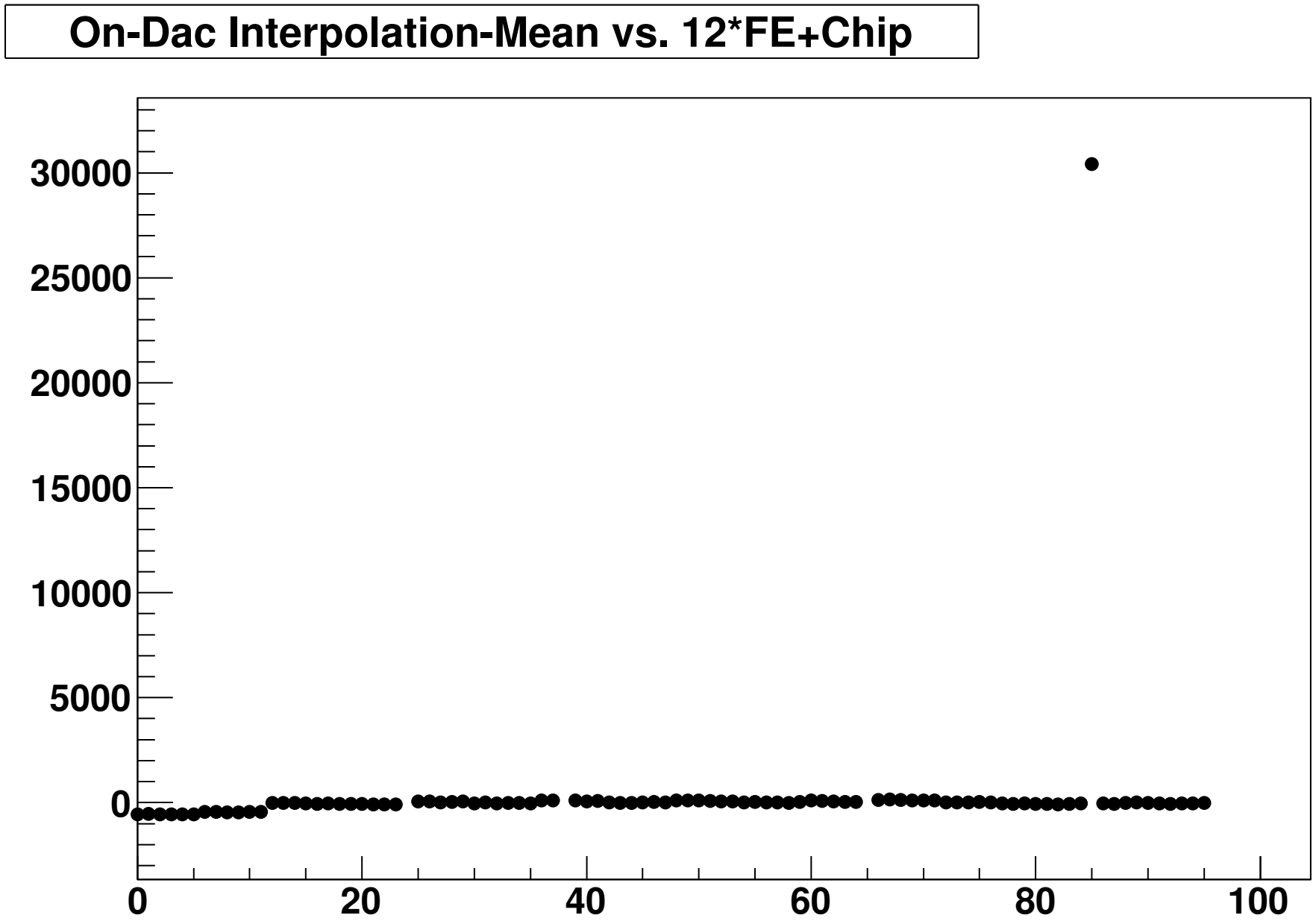

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100

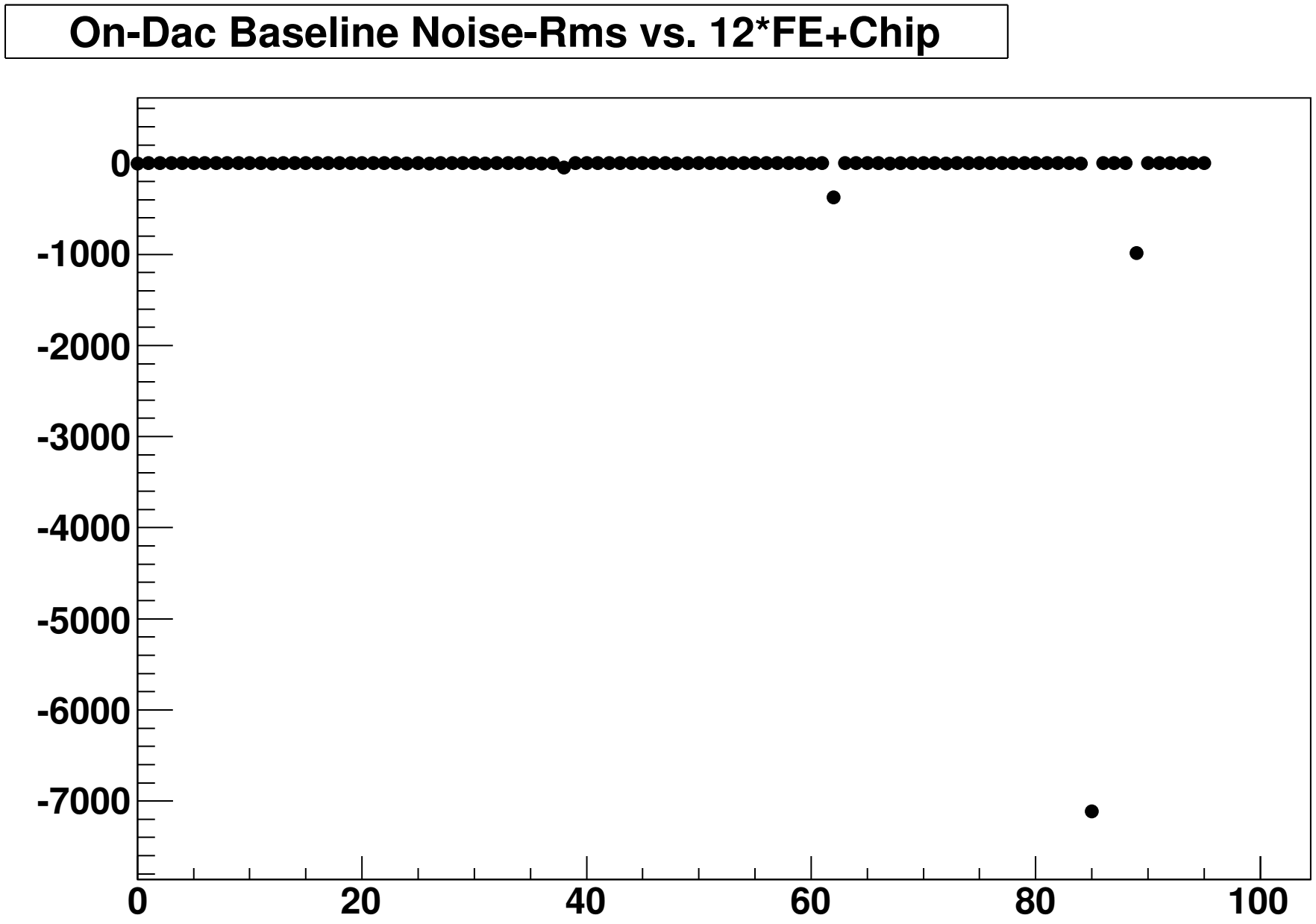

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

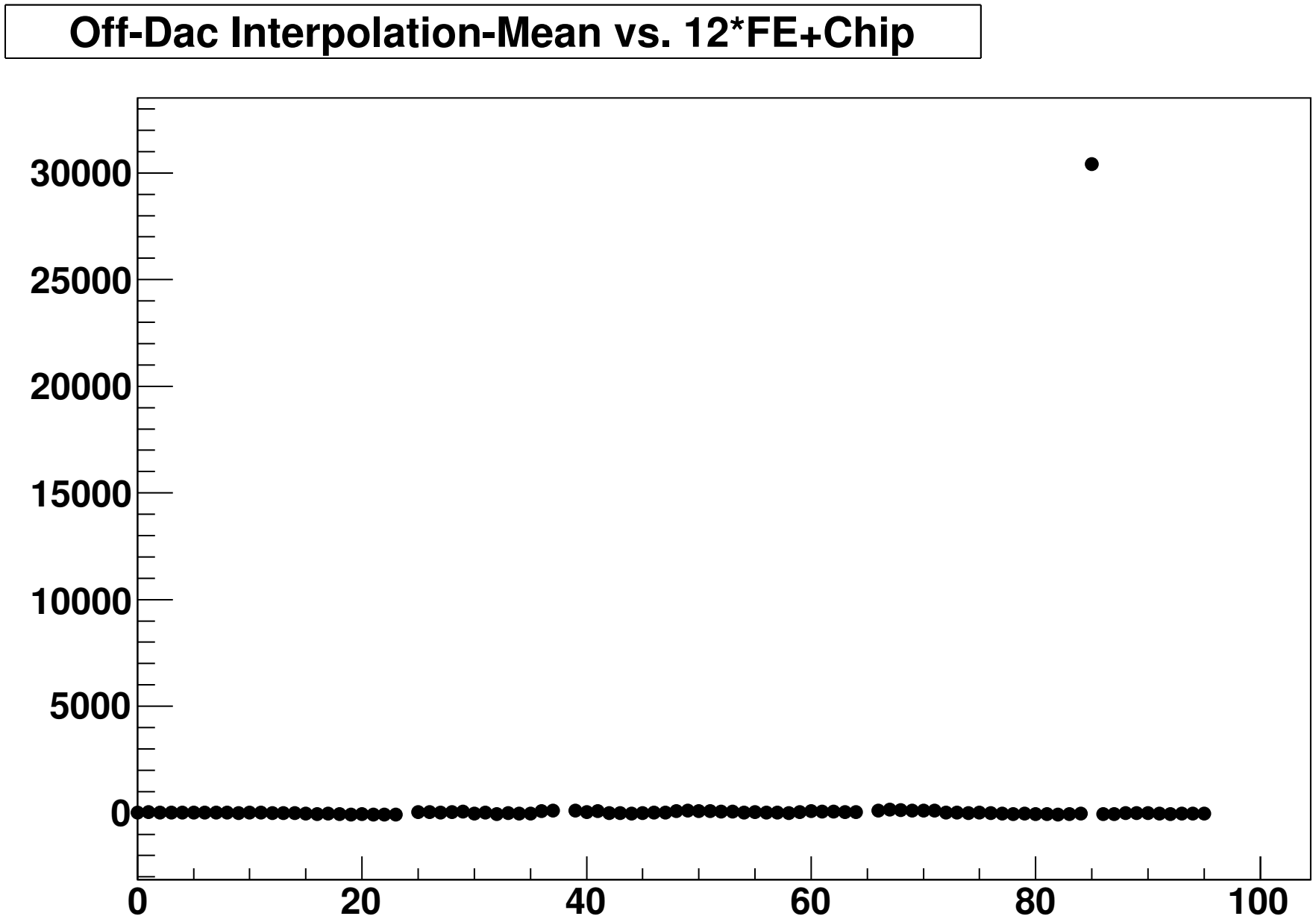

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

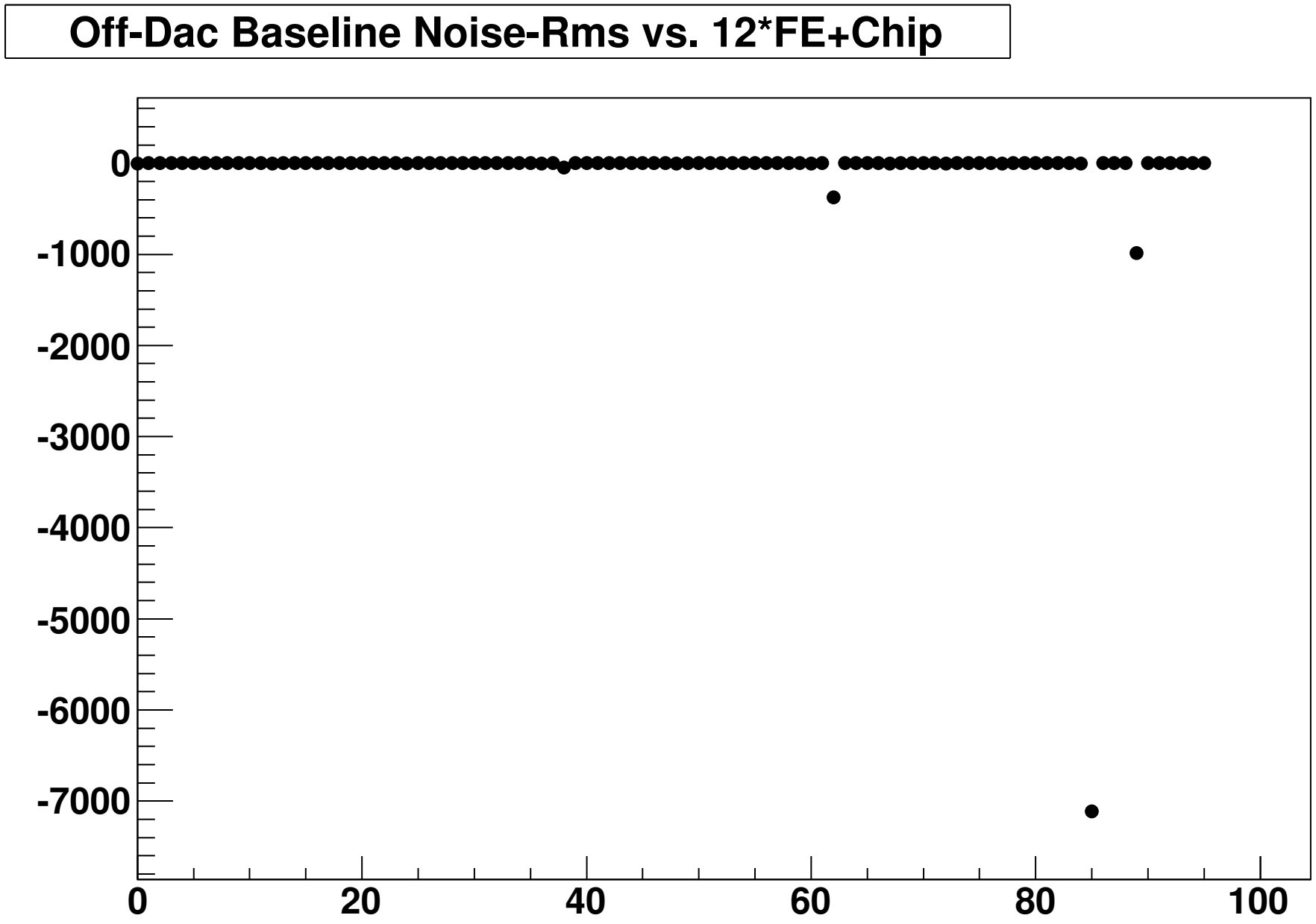

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
14
12
10
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
0
20
40
60
80
100