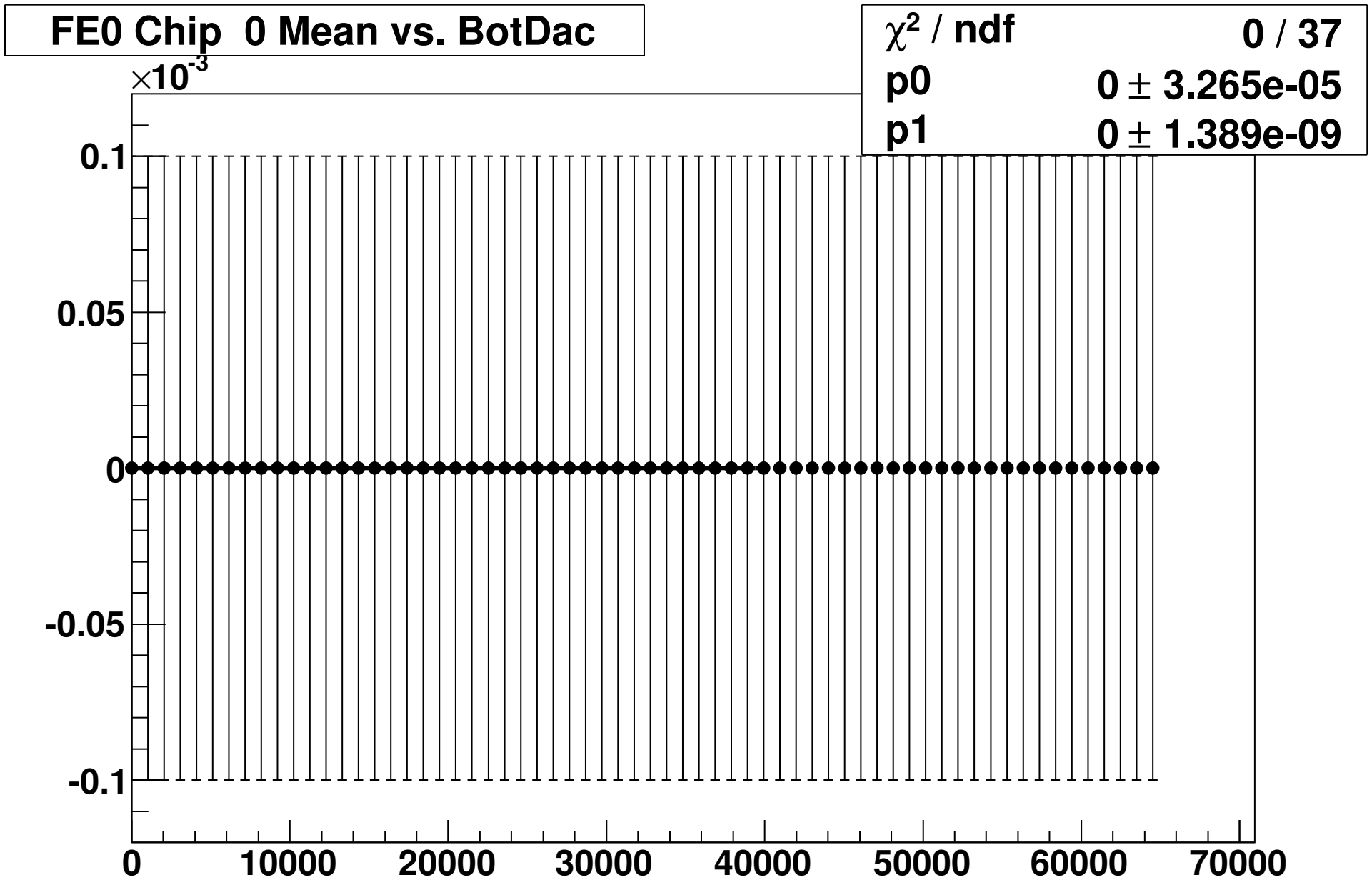
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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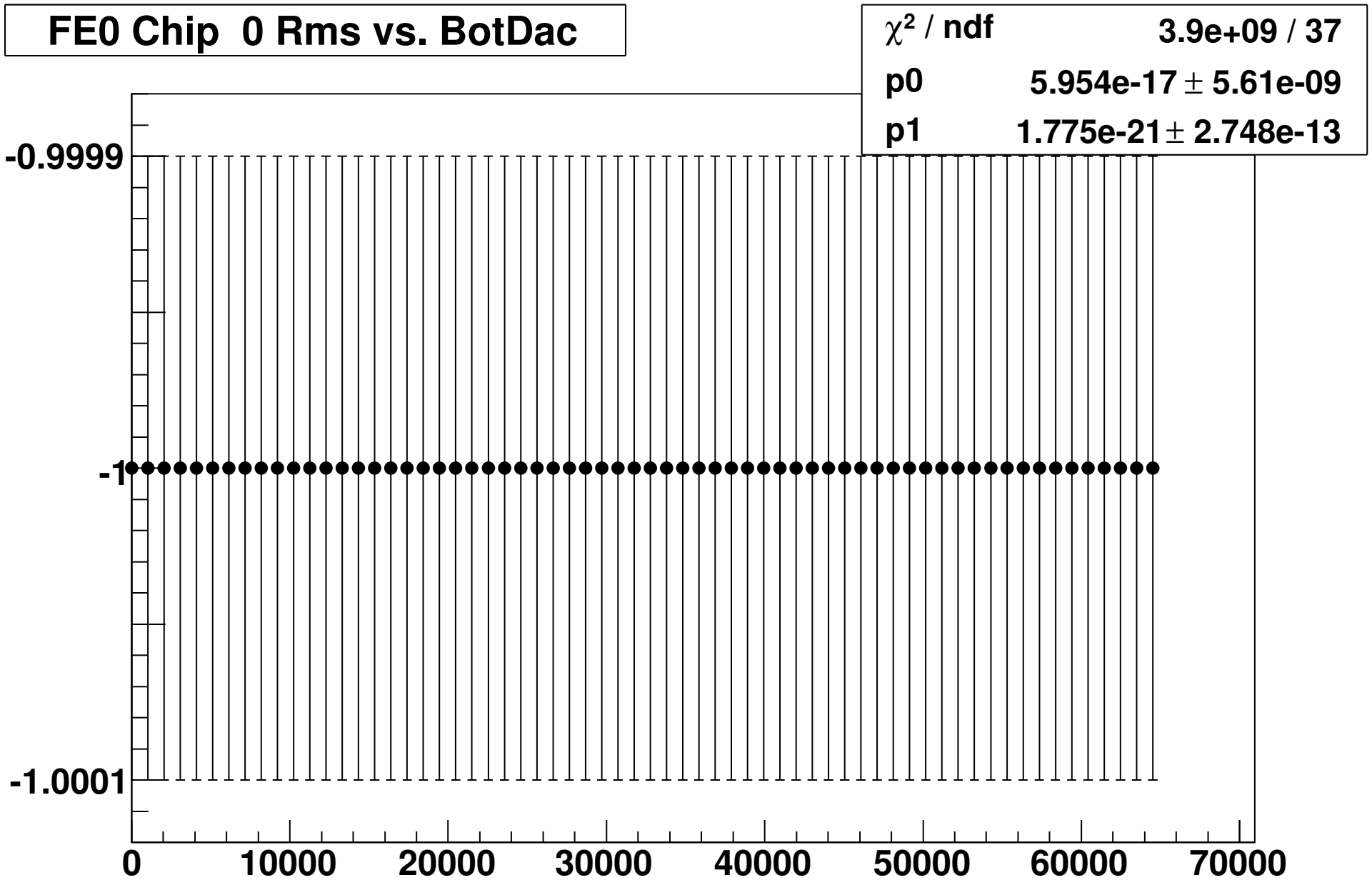
FE0 Chip 0 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
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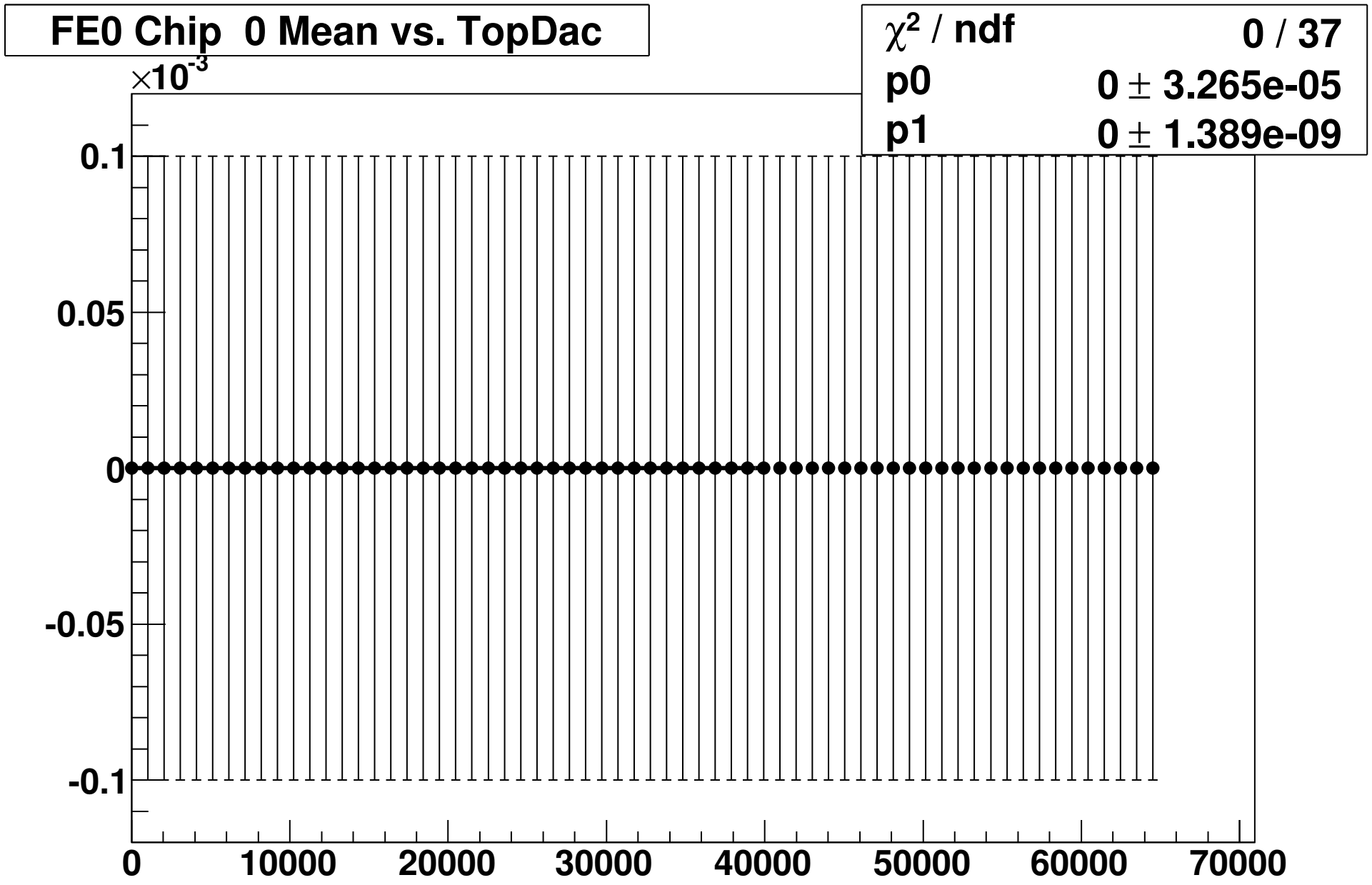
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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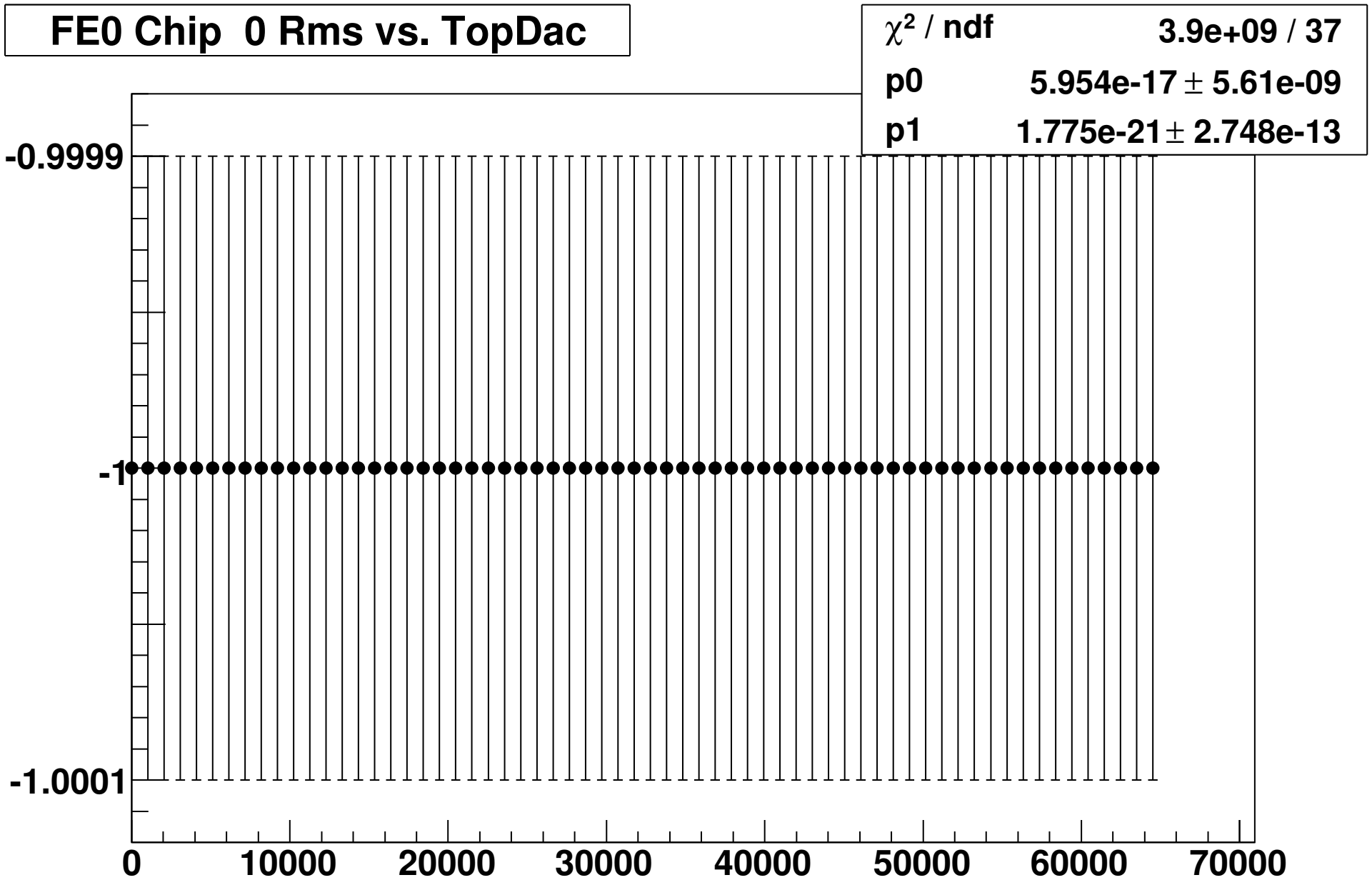
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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-1.0001
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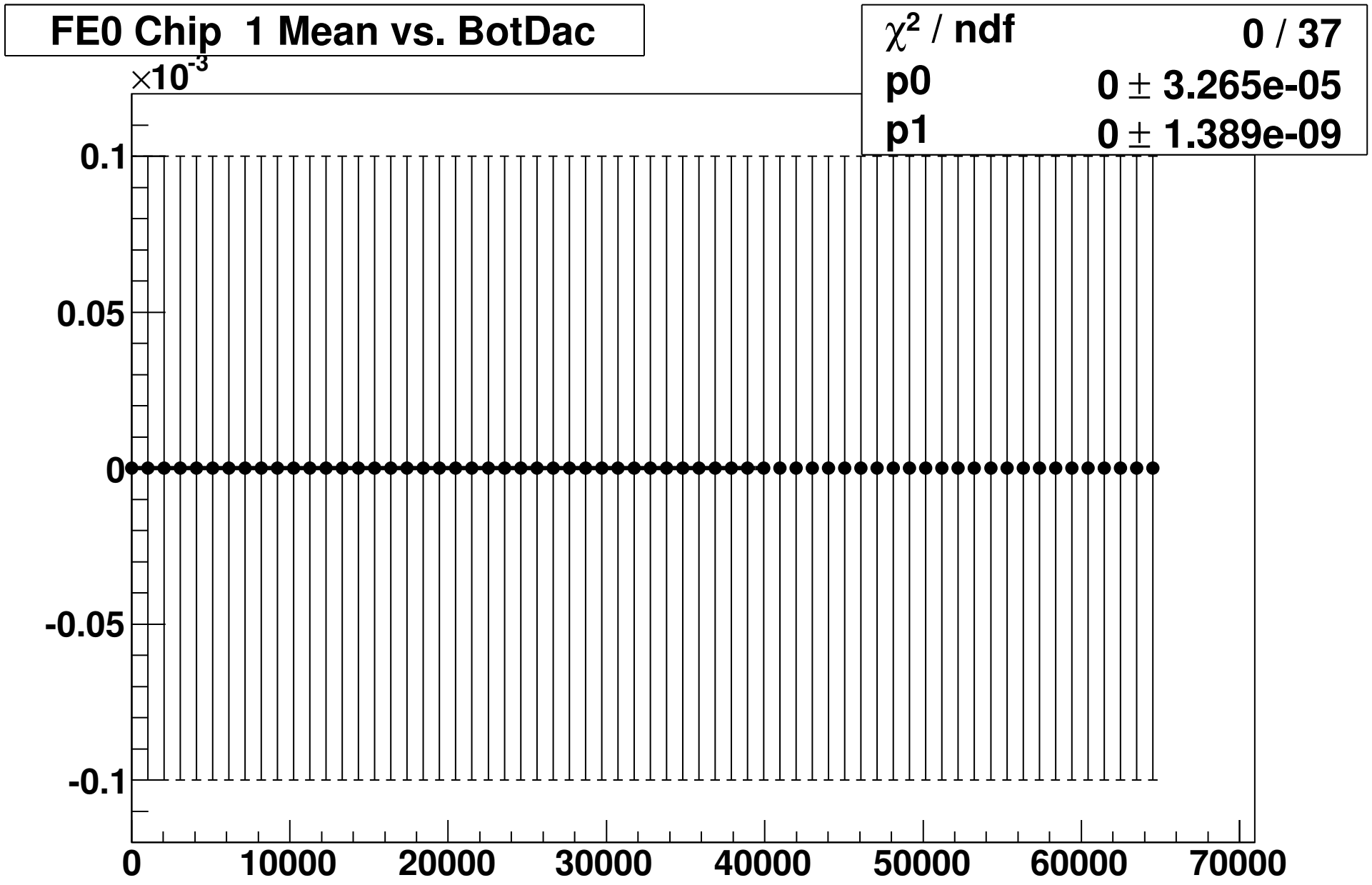
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
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-0.05
-0.1
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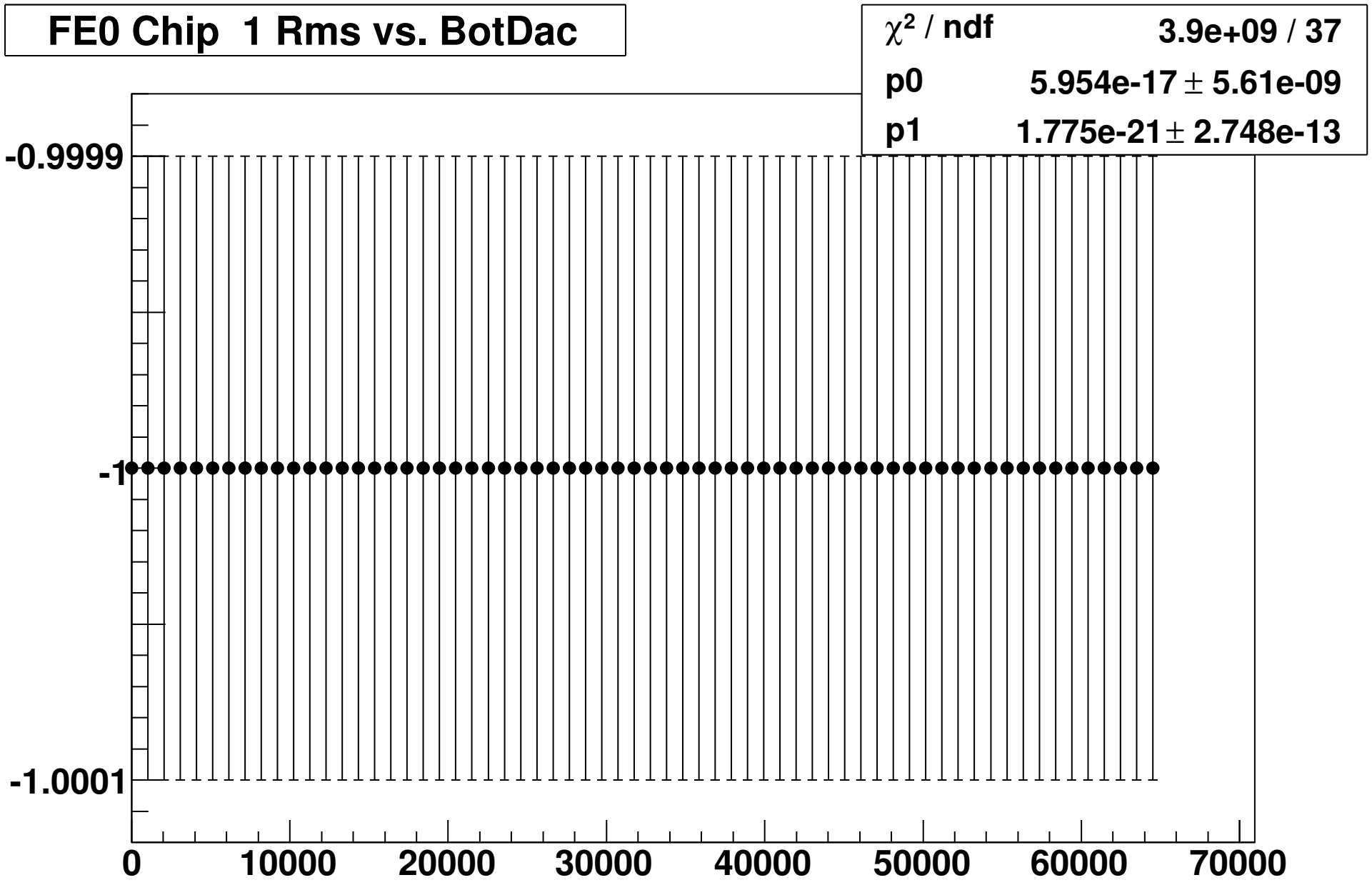
FE0 Chip 1 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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-1.0001
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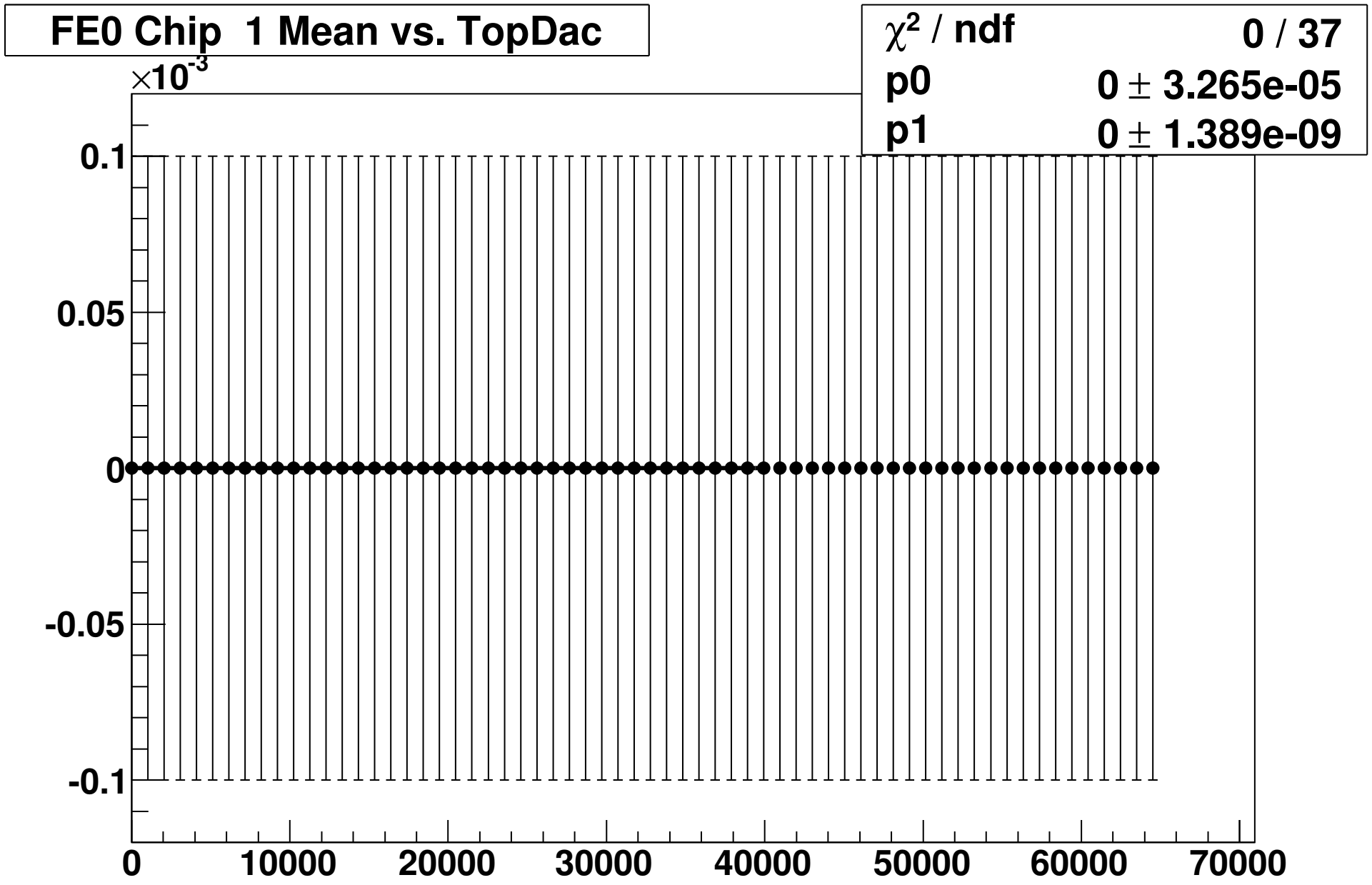
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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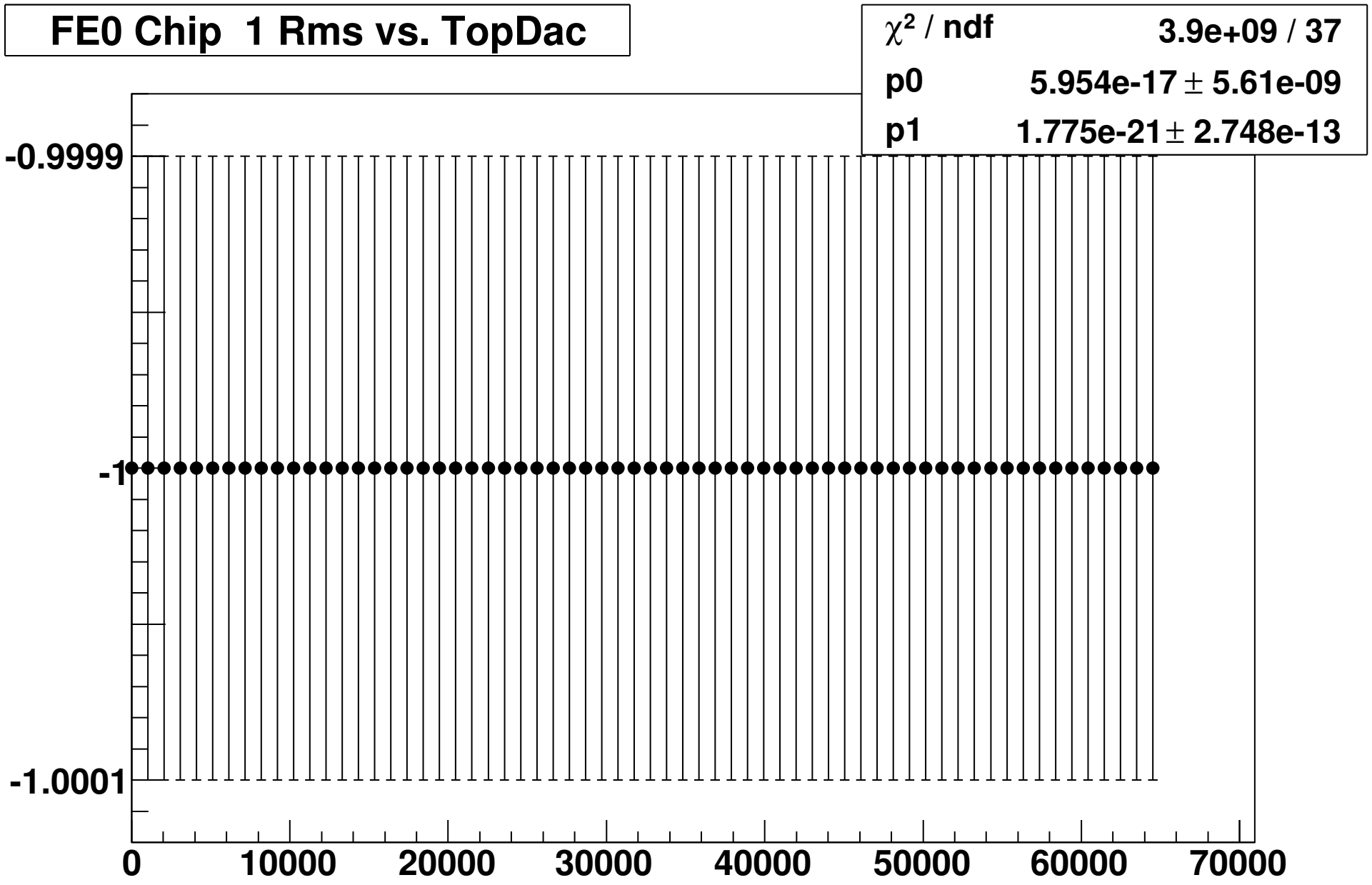
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
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-1.0001
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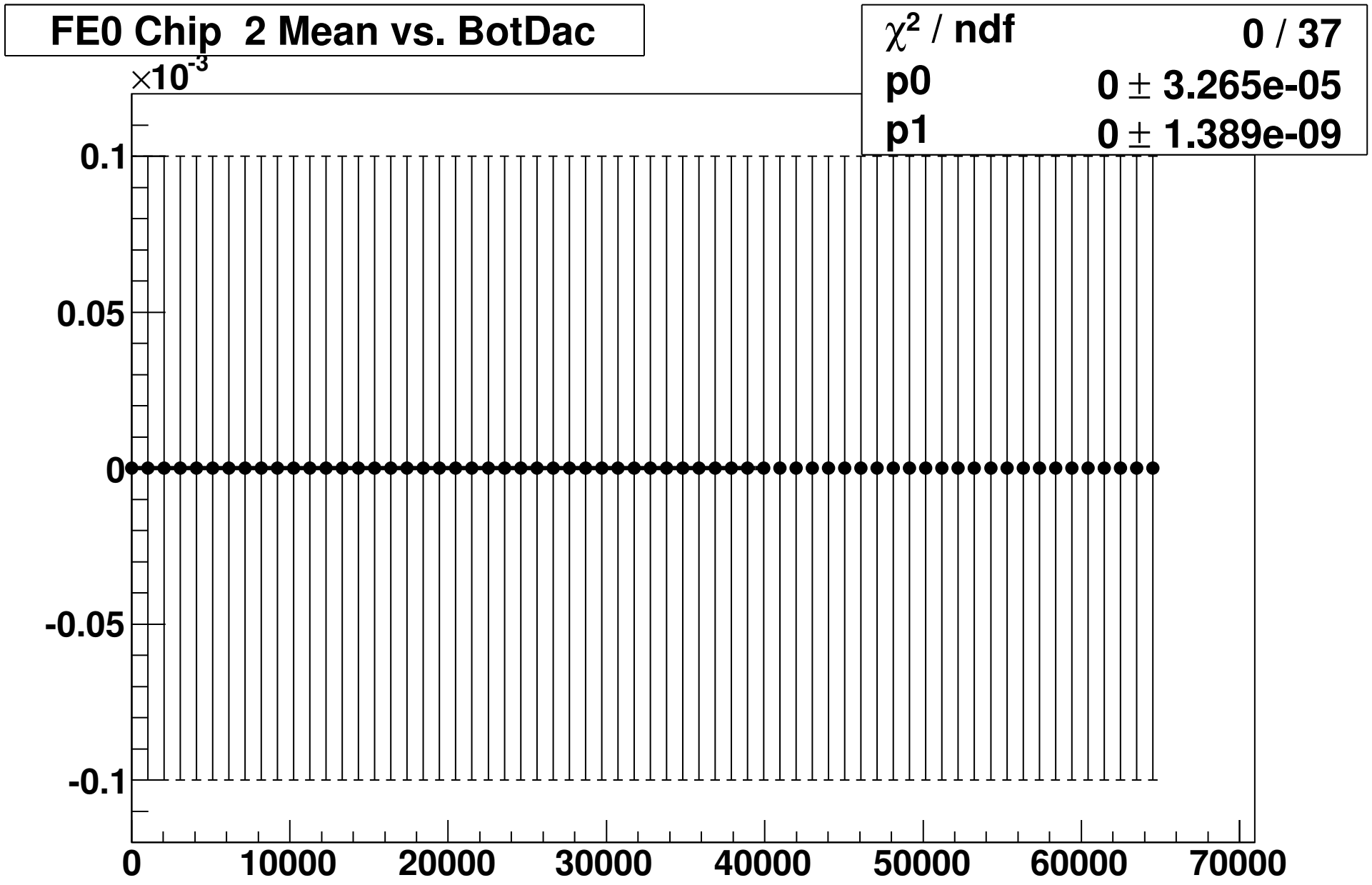
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
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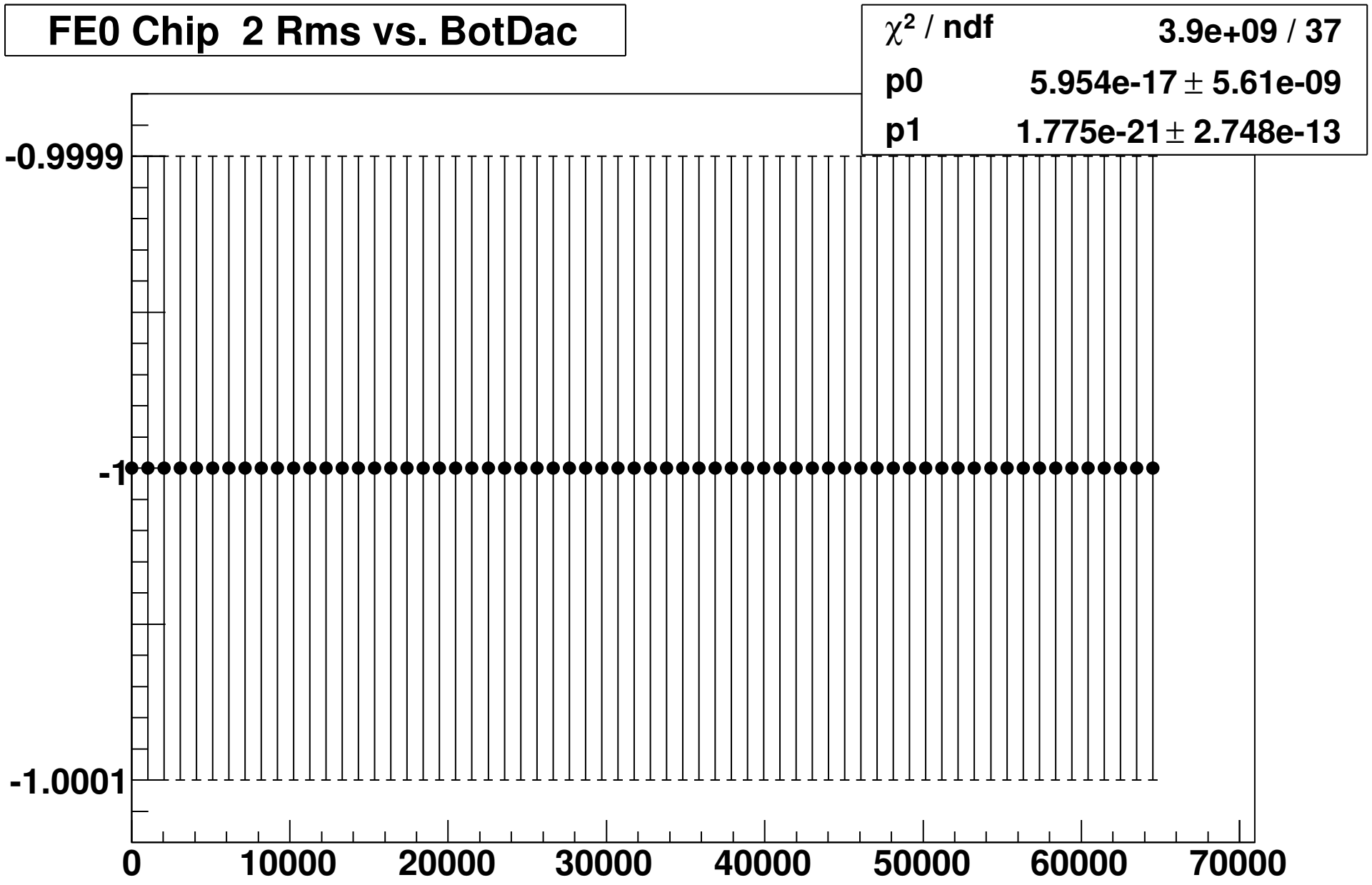
FE0 Chip 2 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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-1.0001
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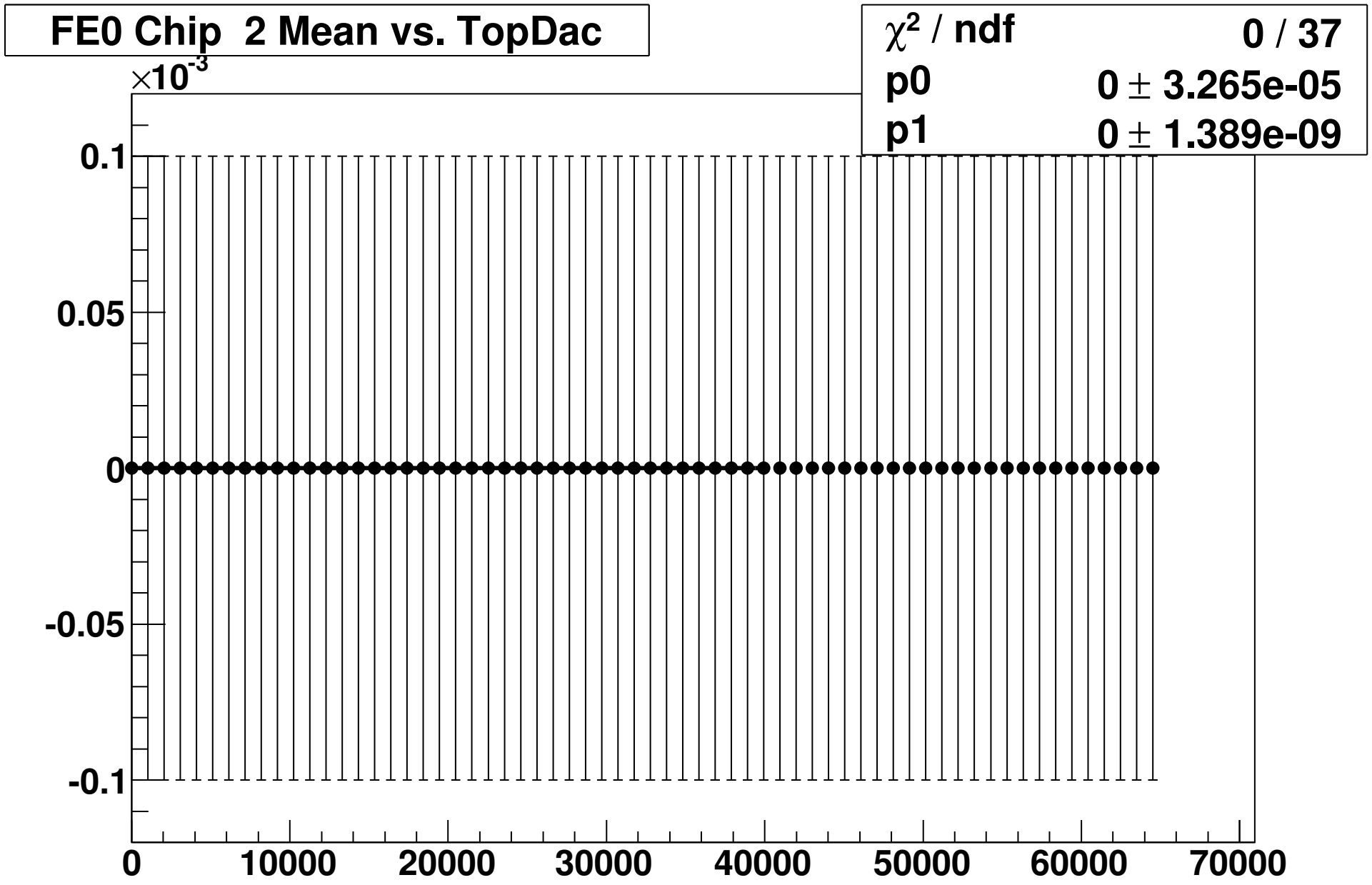
FE0 Chip 2 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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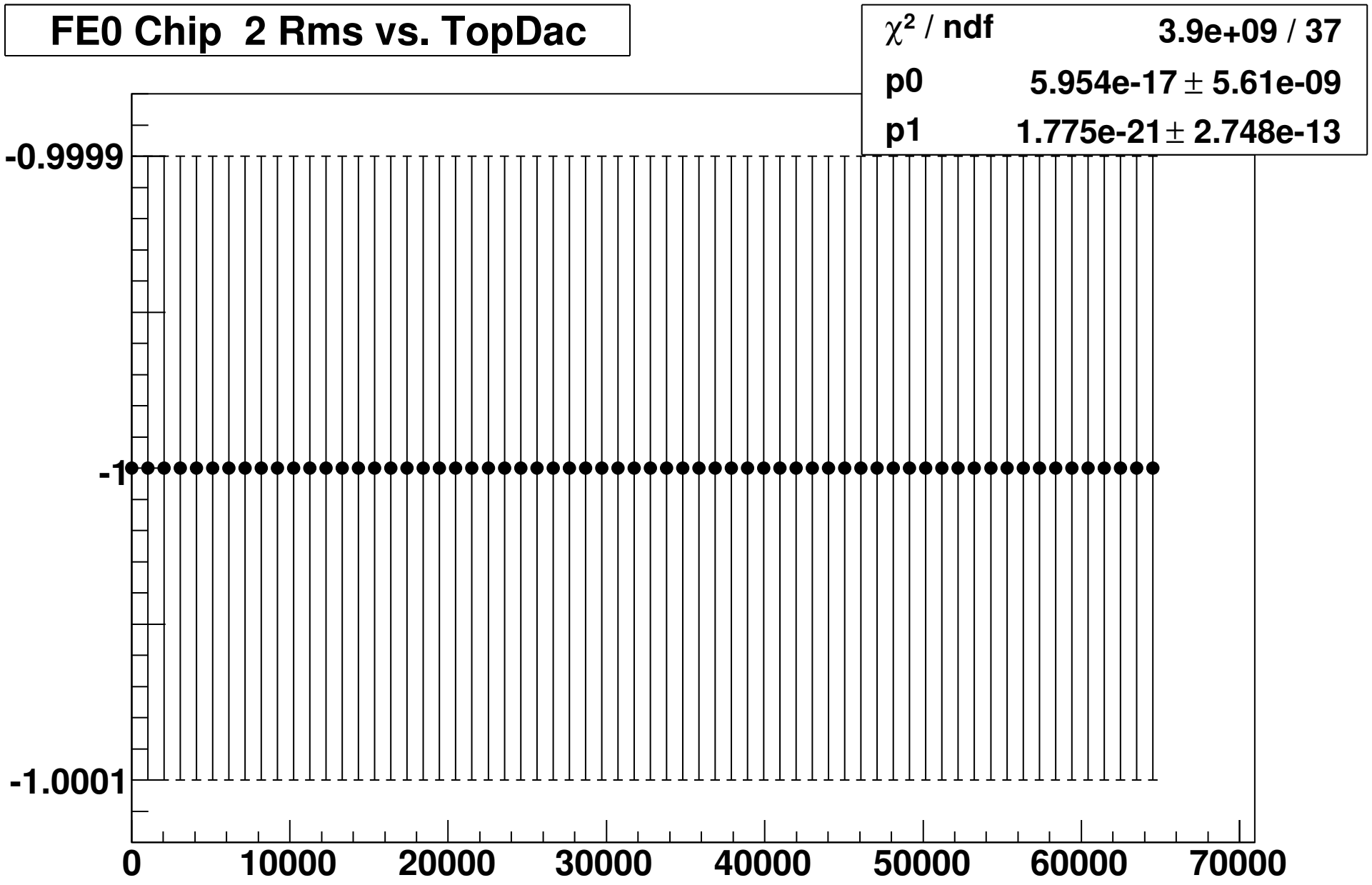
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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-1.0001
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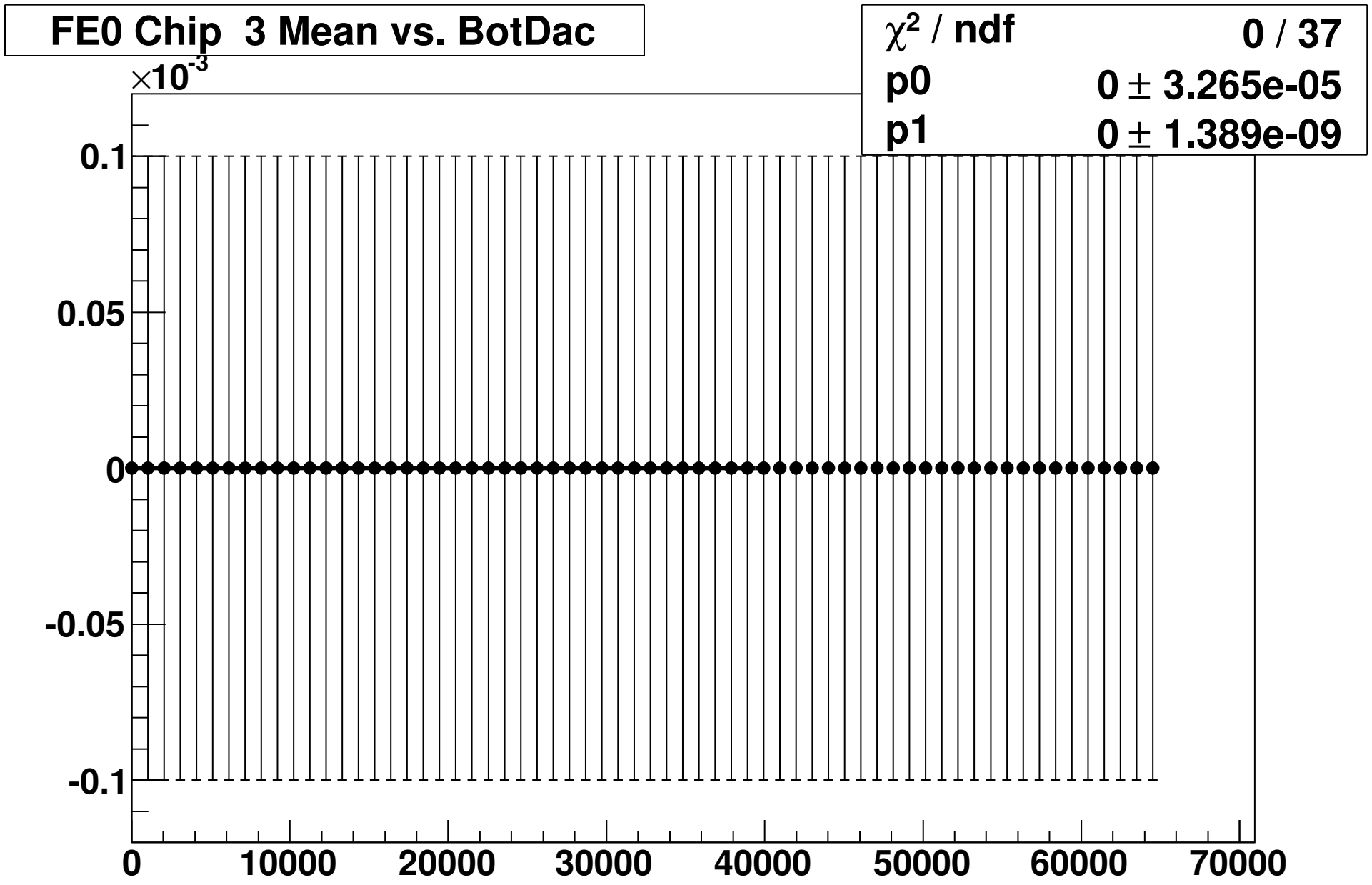
FE0 Chip 3 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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0.05
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-0.05
-0.1
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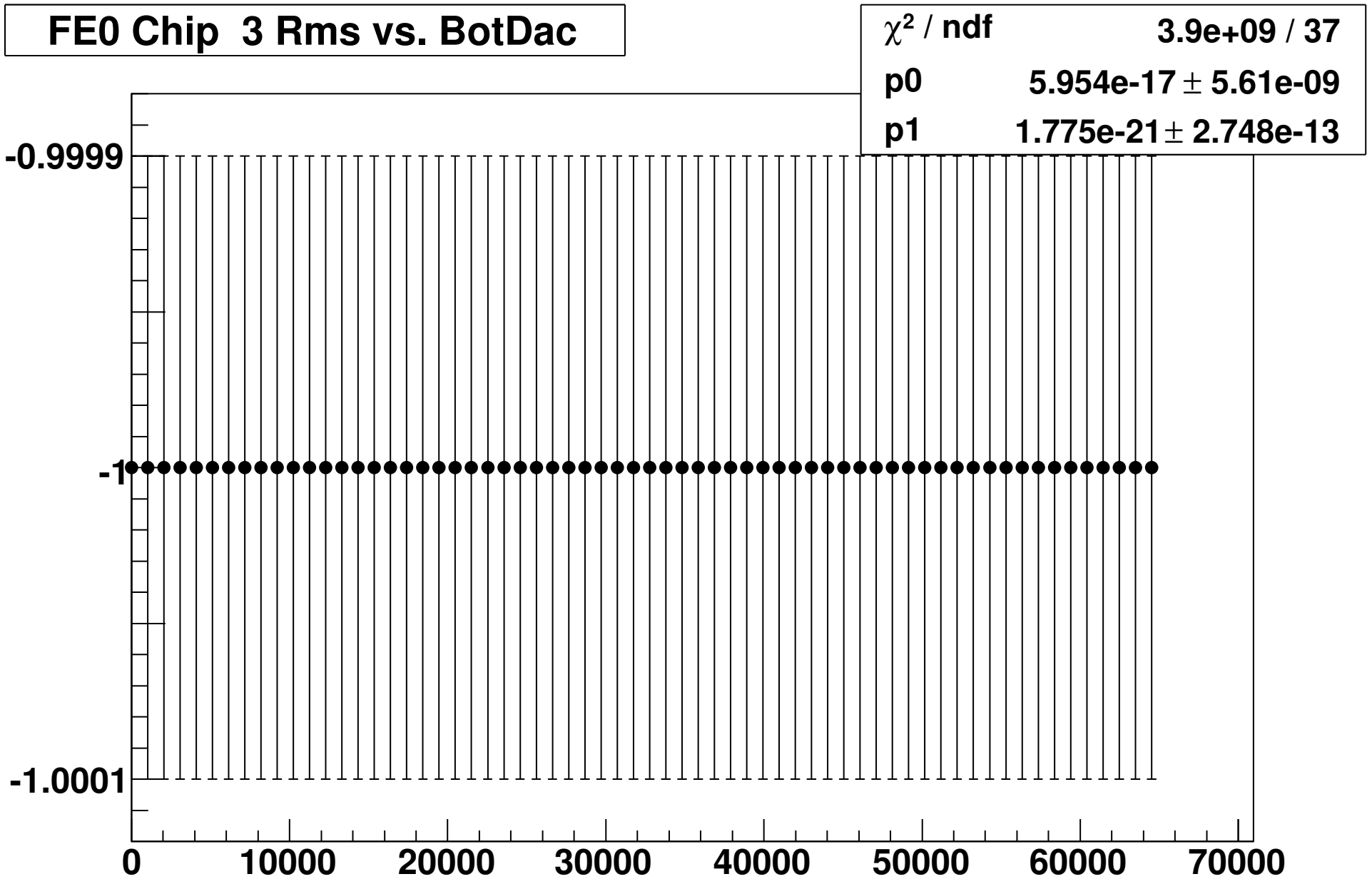
FE0 Chip 3 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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-1.0001
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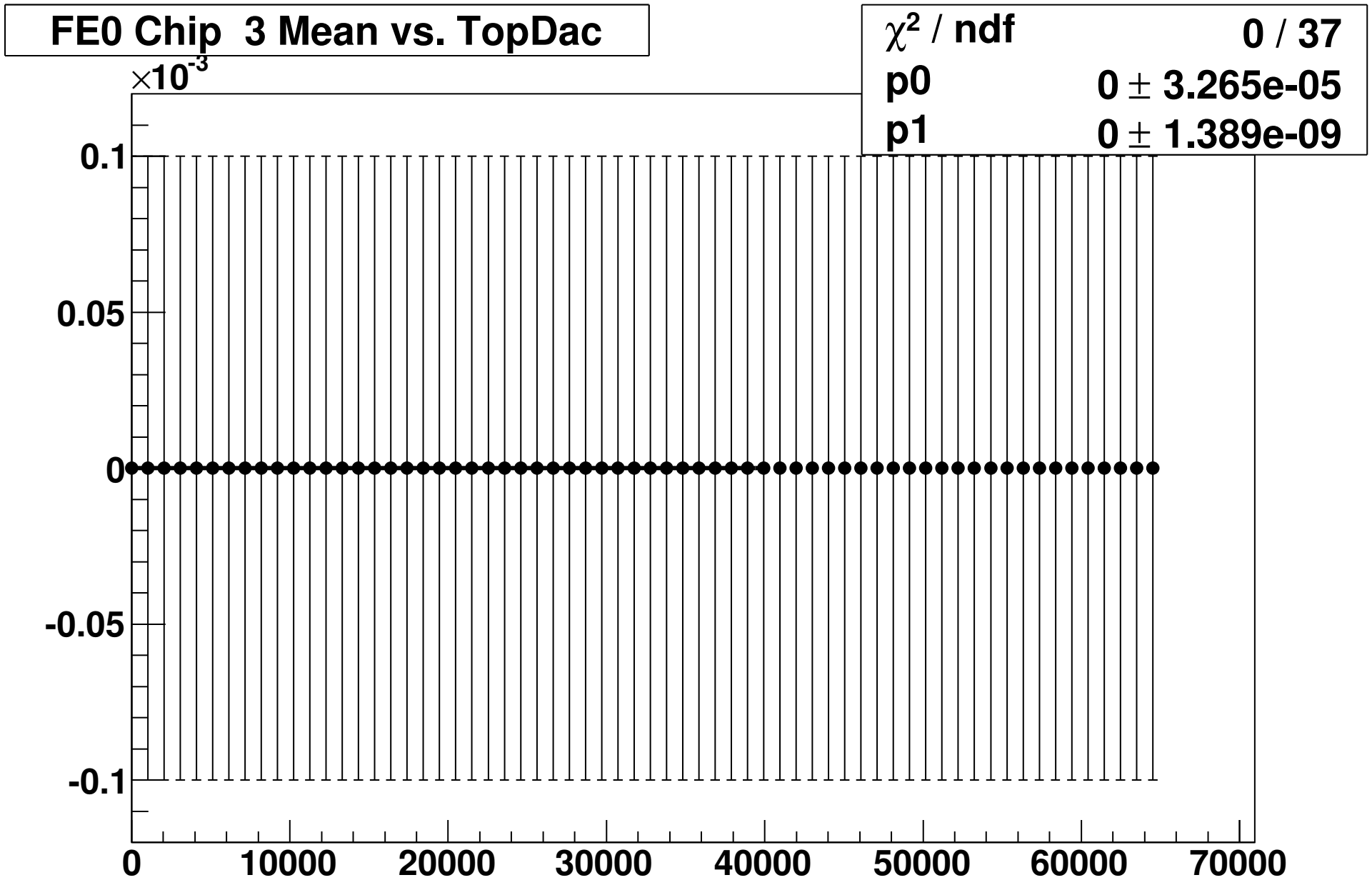
FE0 Chip 3 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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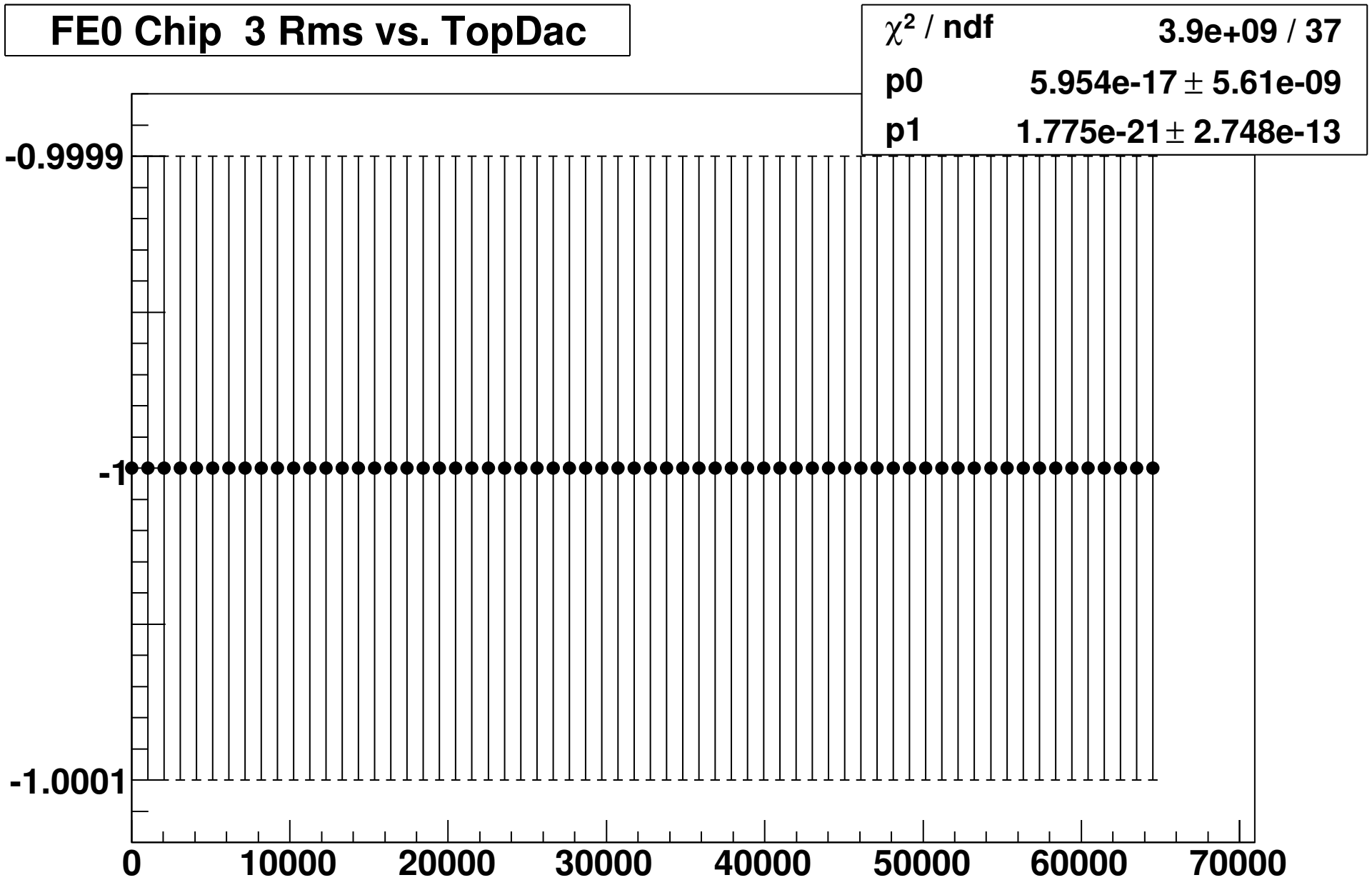
FE0 Chip 3 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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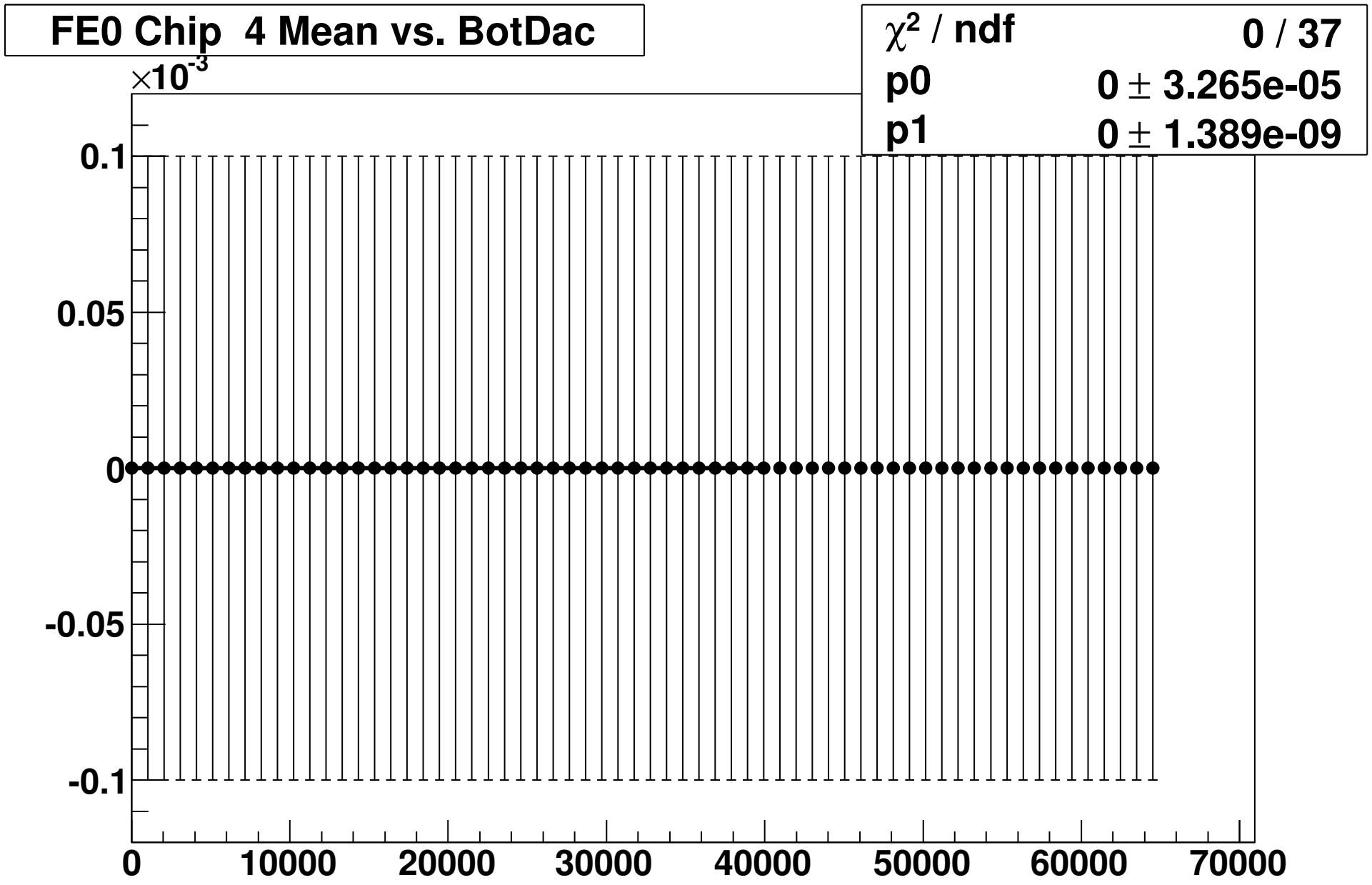
FE0 Chip 4 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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0
-0.05
-0.1
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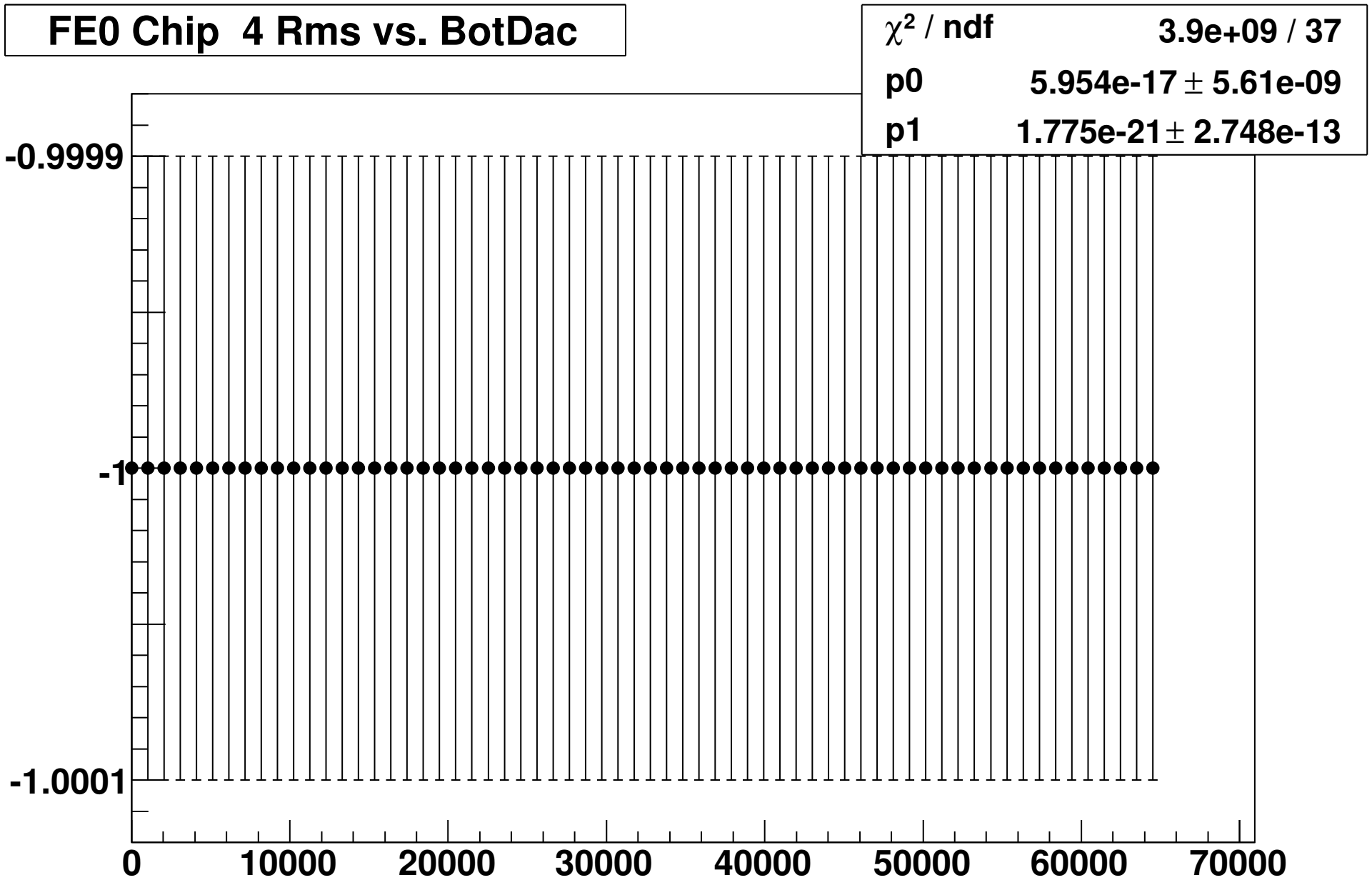
FE0 Chip 4 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
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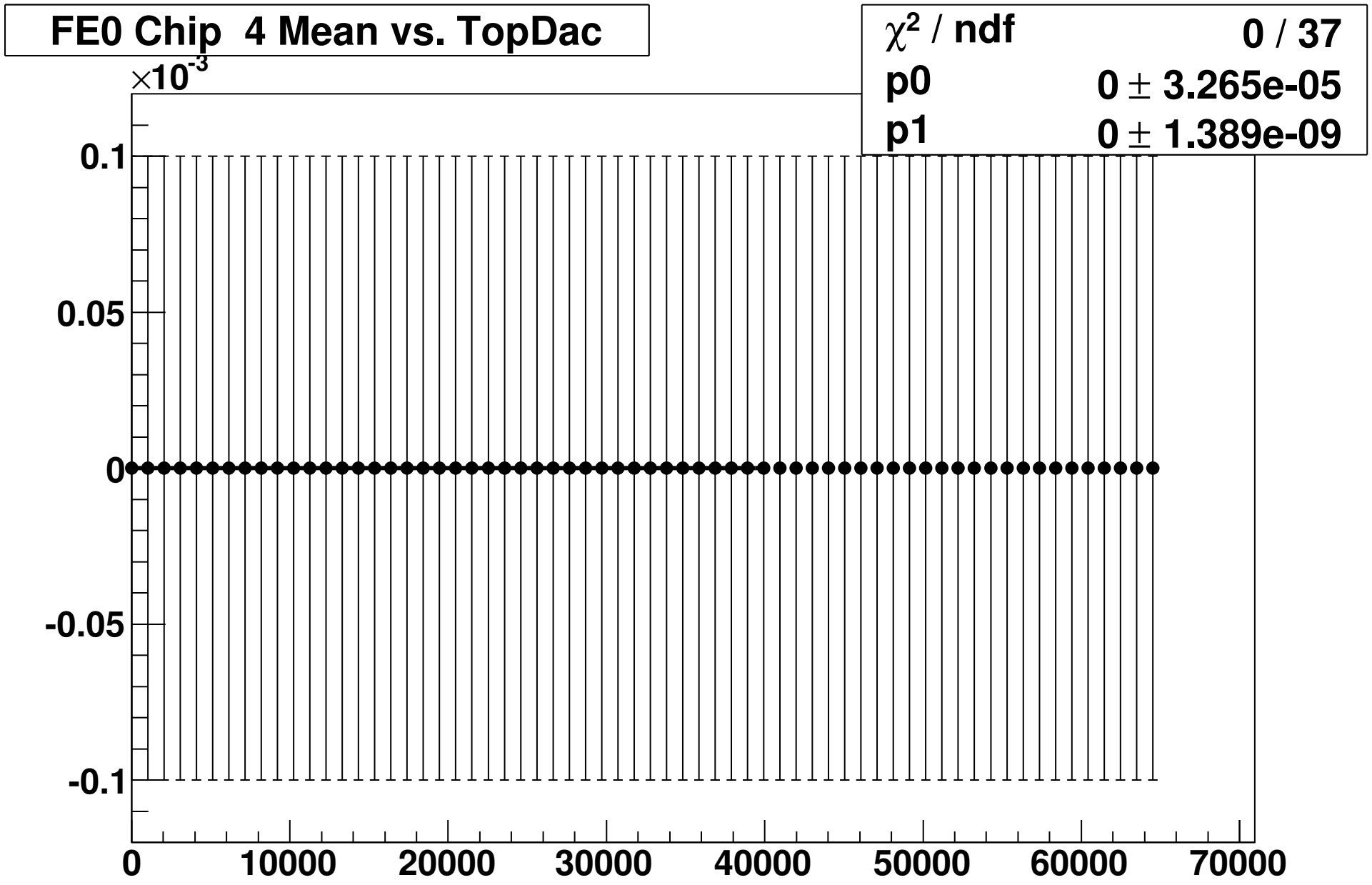
FE0 Chip 4 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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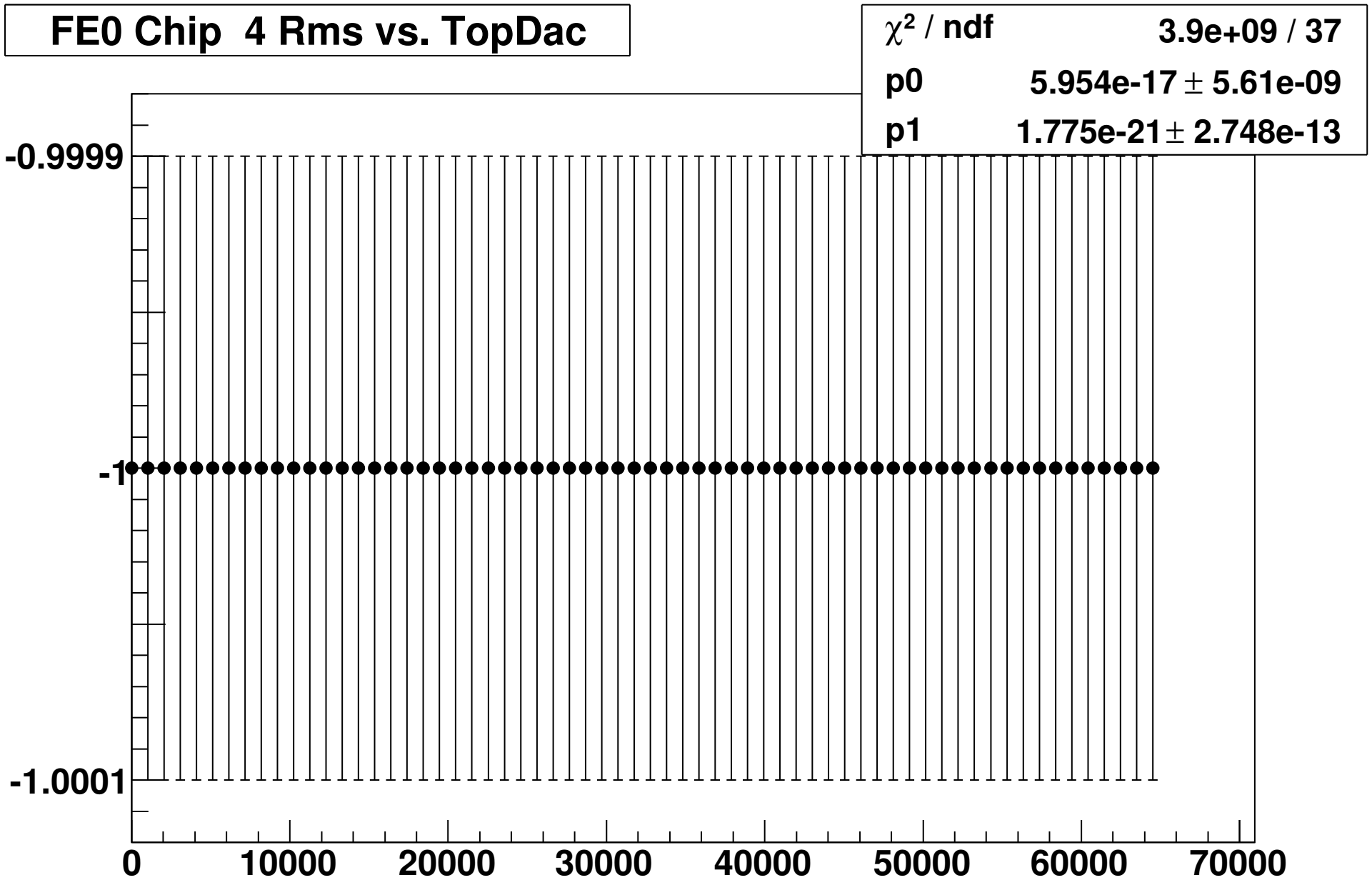
FE0 Chip 4 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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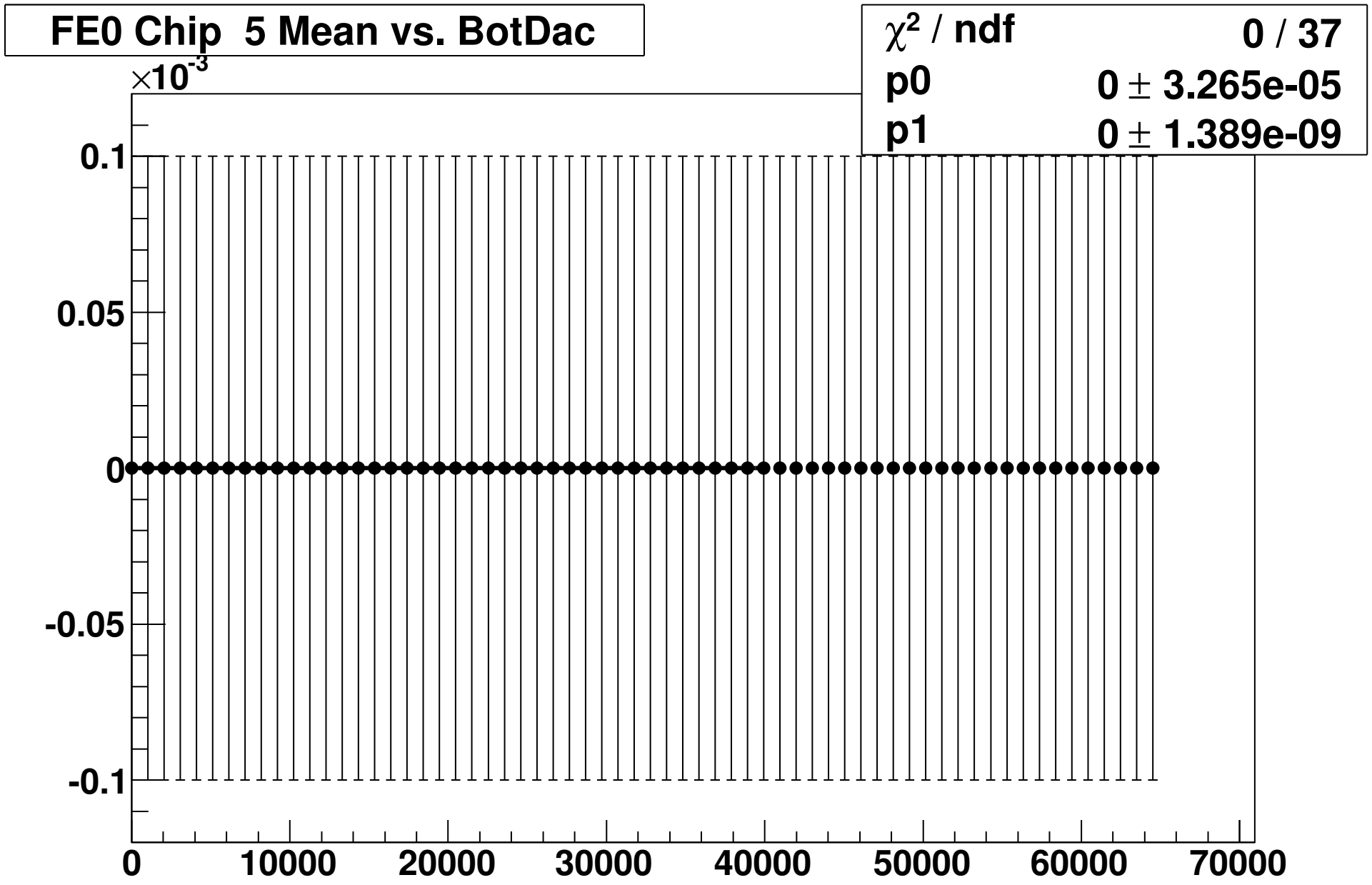
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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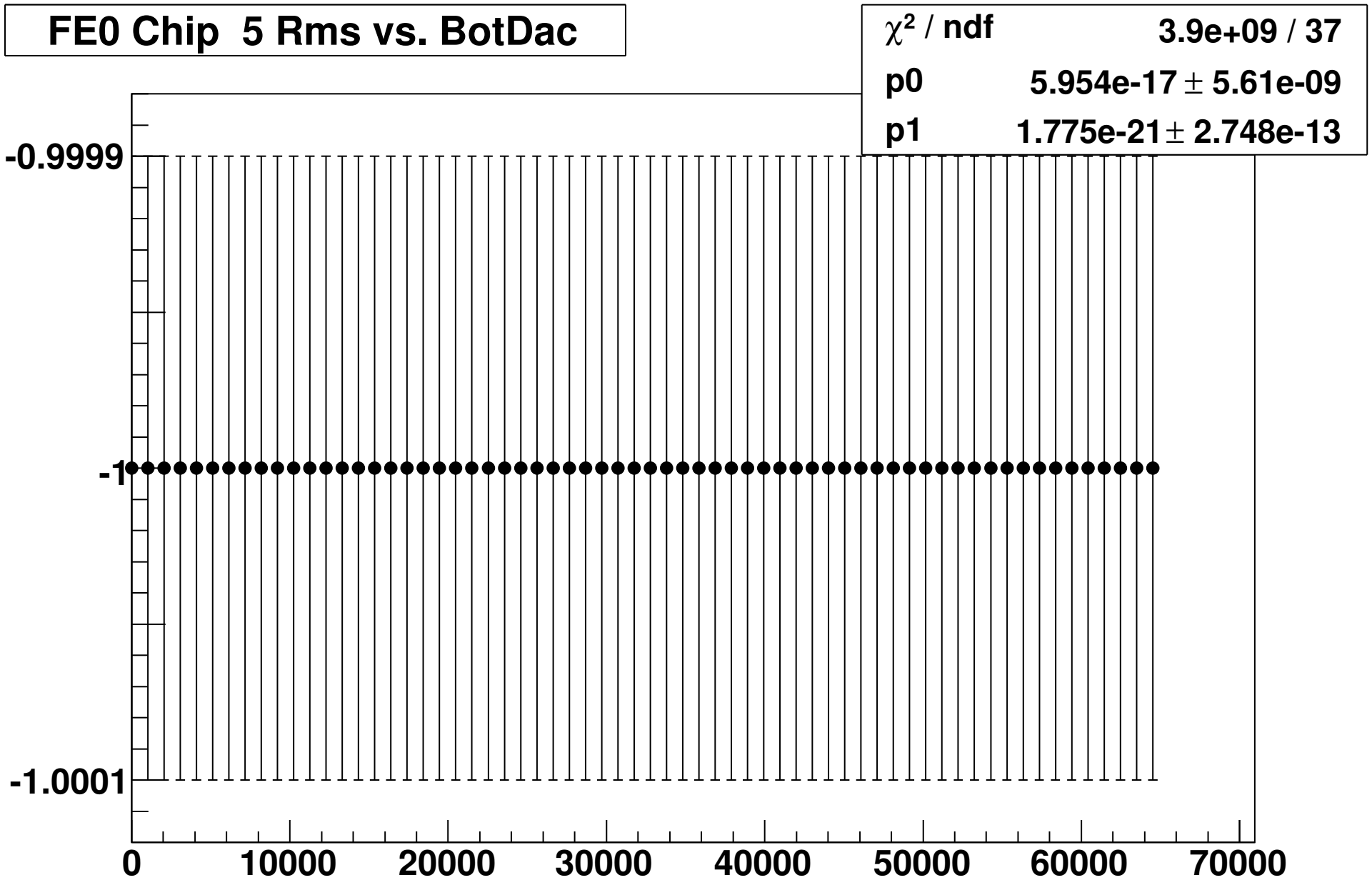
FE0 Chip 5 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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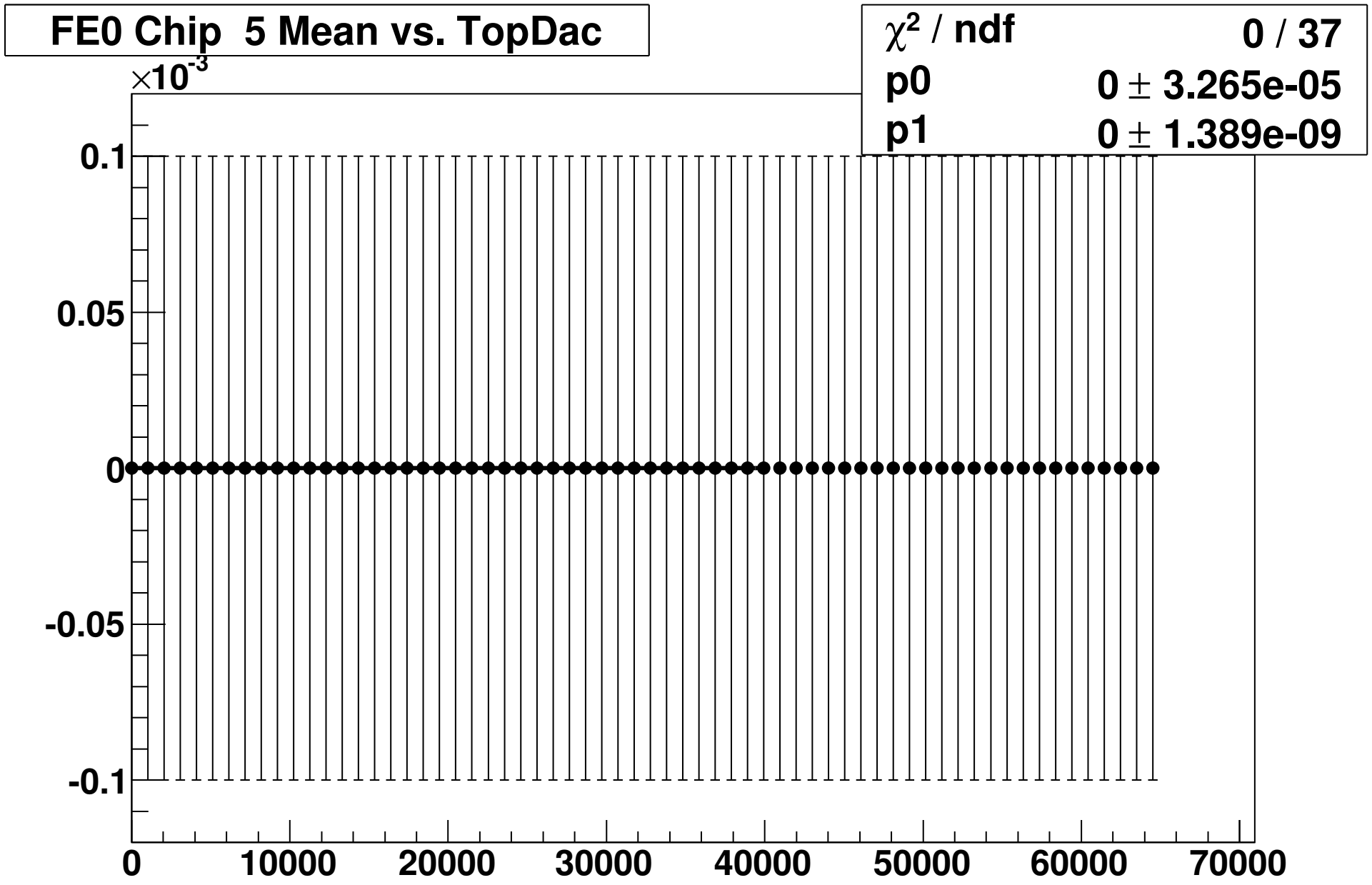
FE0 Chip 5 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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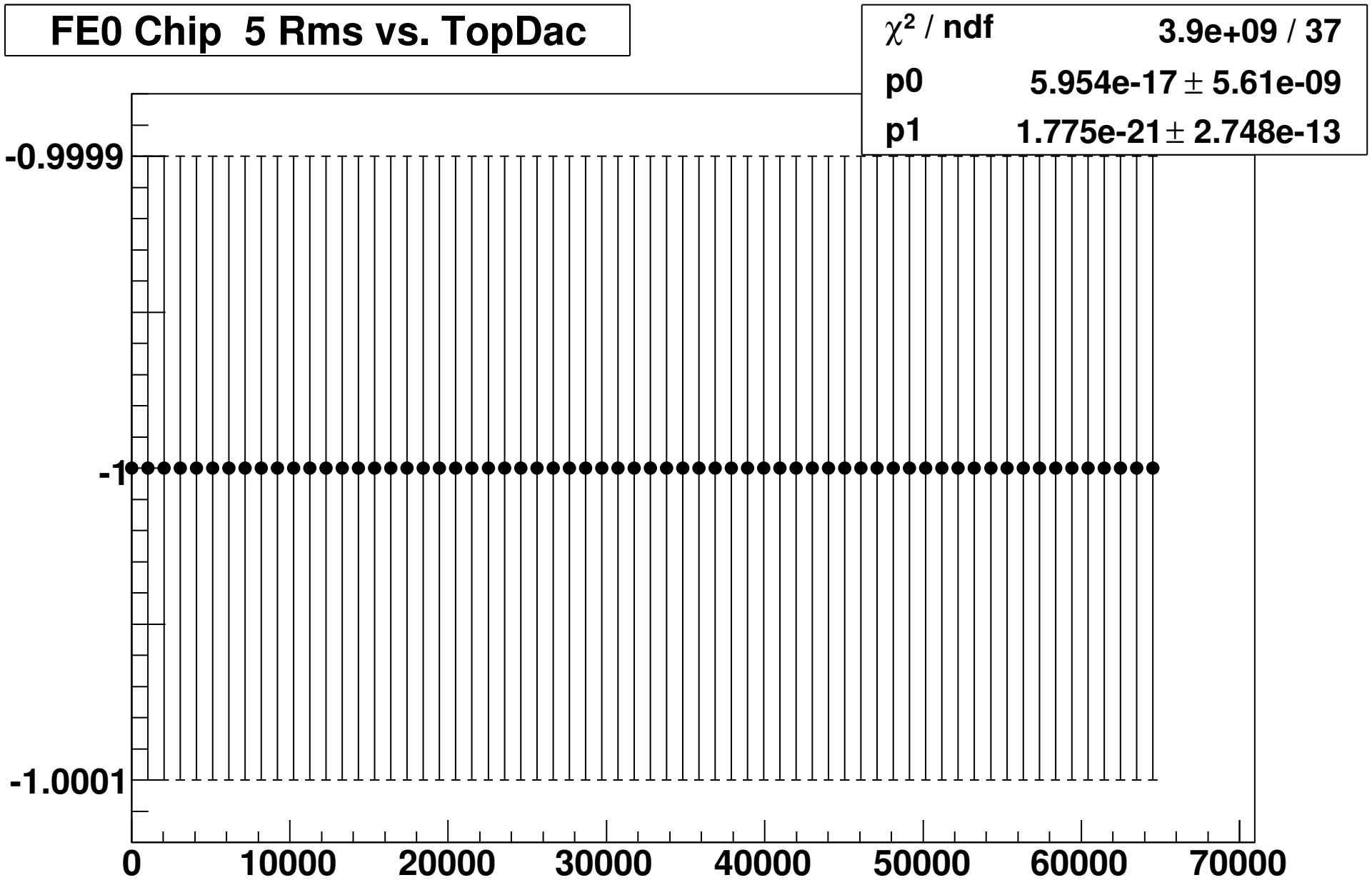
FE0 Chip 5 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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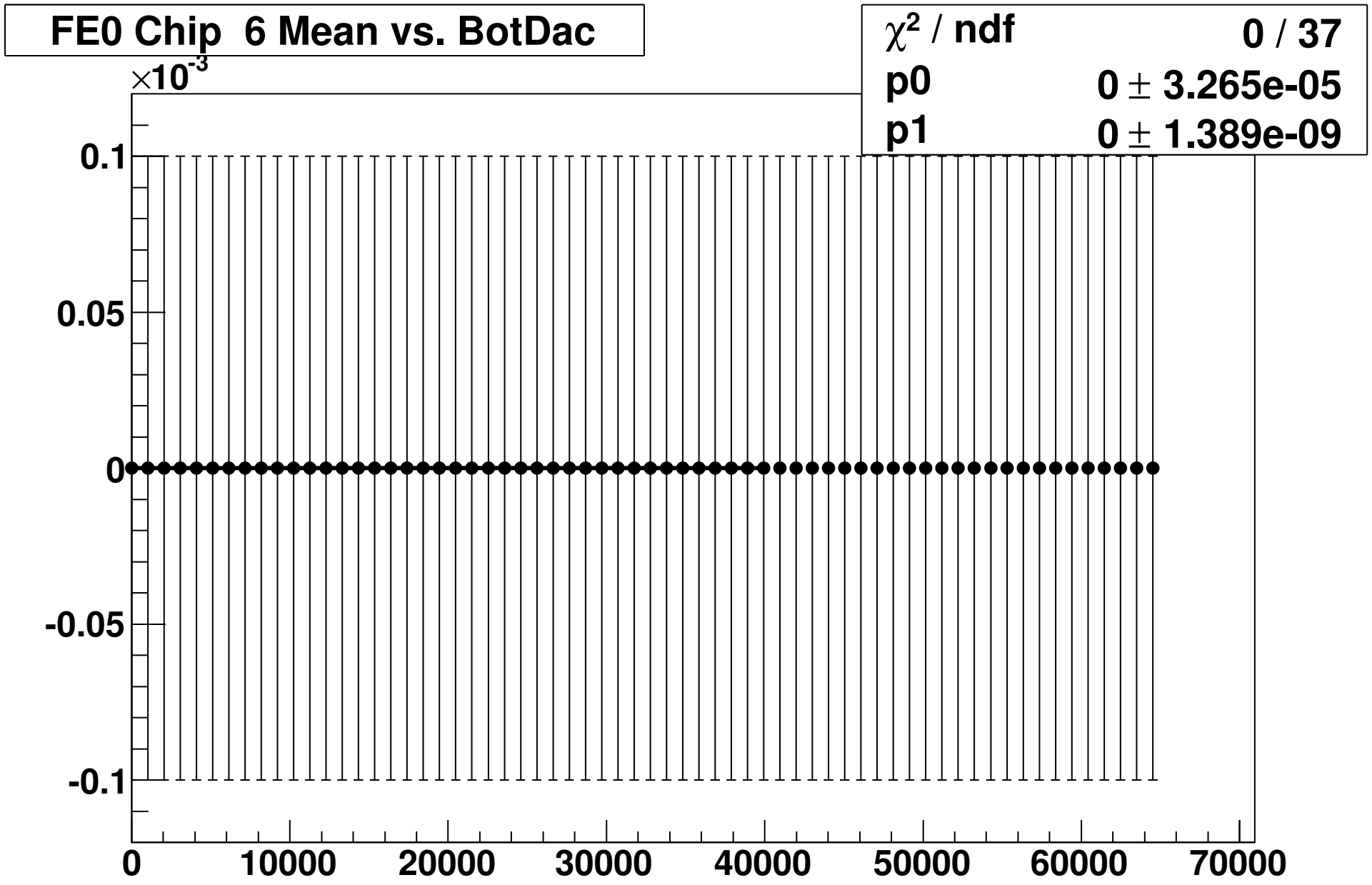
FE0 Chip 6 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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-0.05
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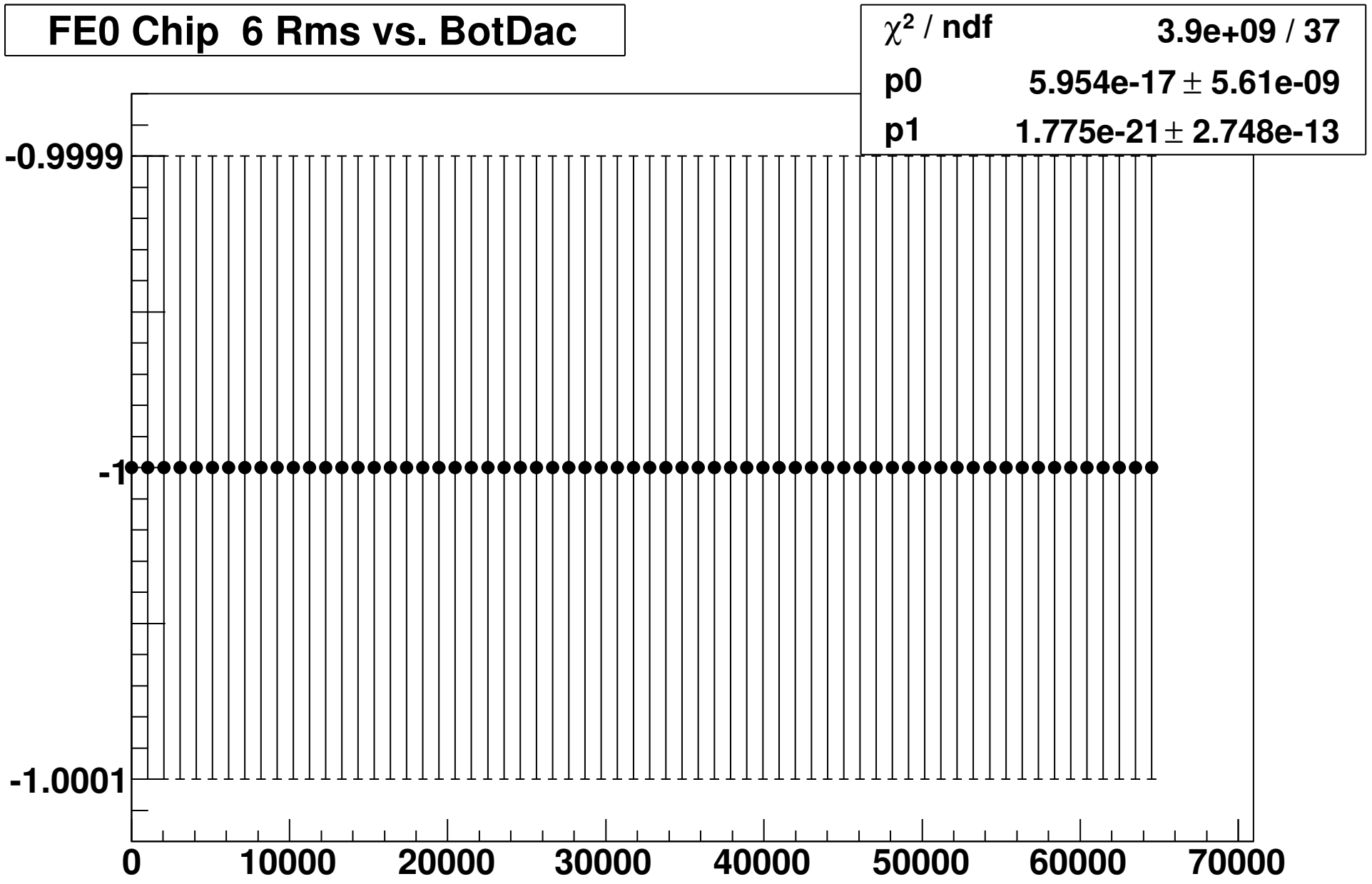
FE0 Chip 6 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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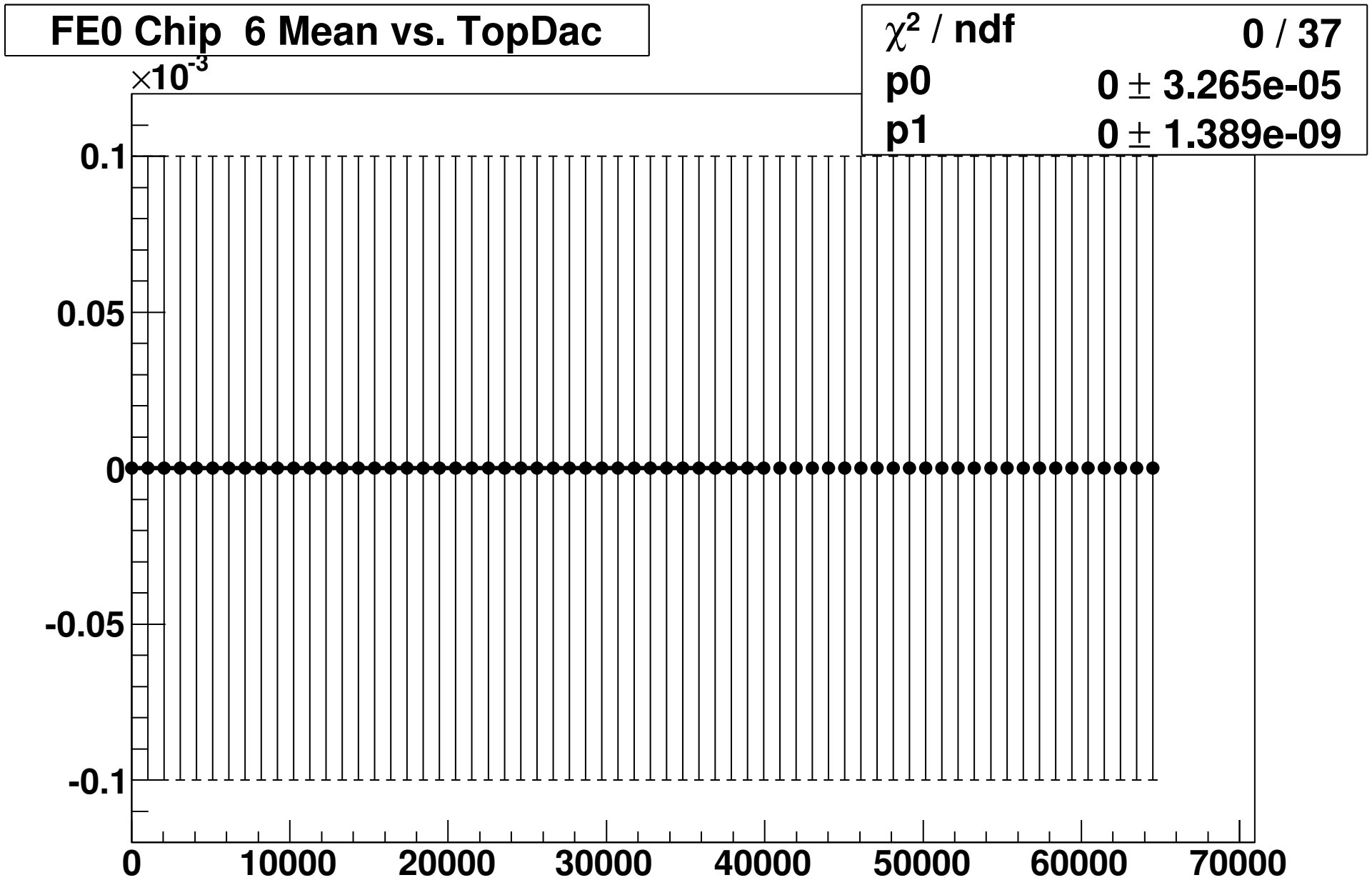
FE0 Chip 6 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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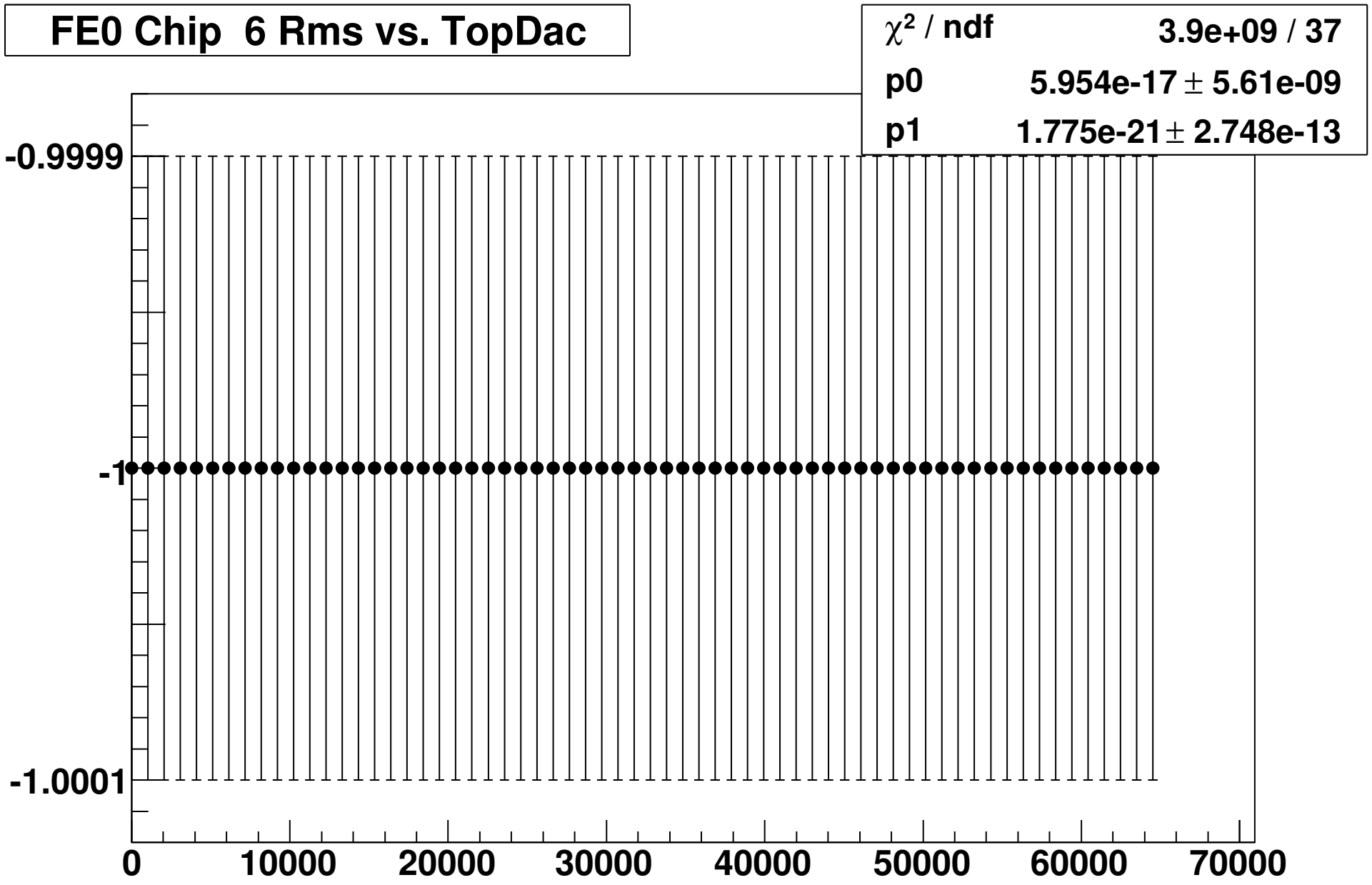
FE0 Chip 6 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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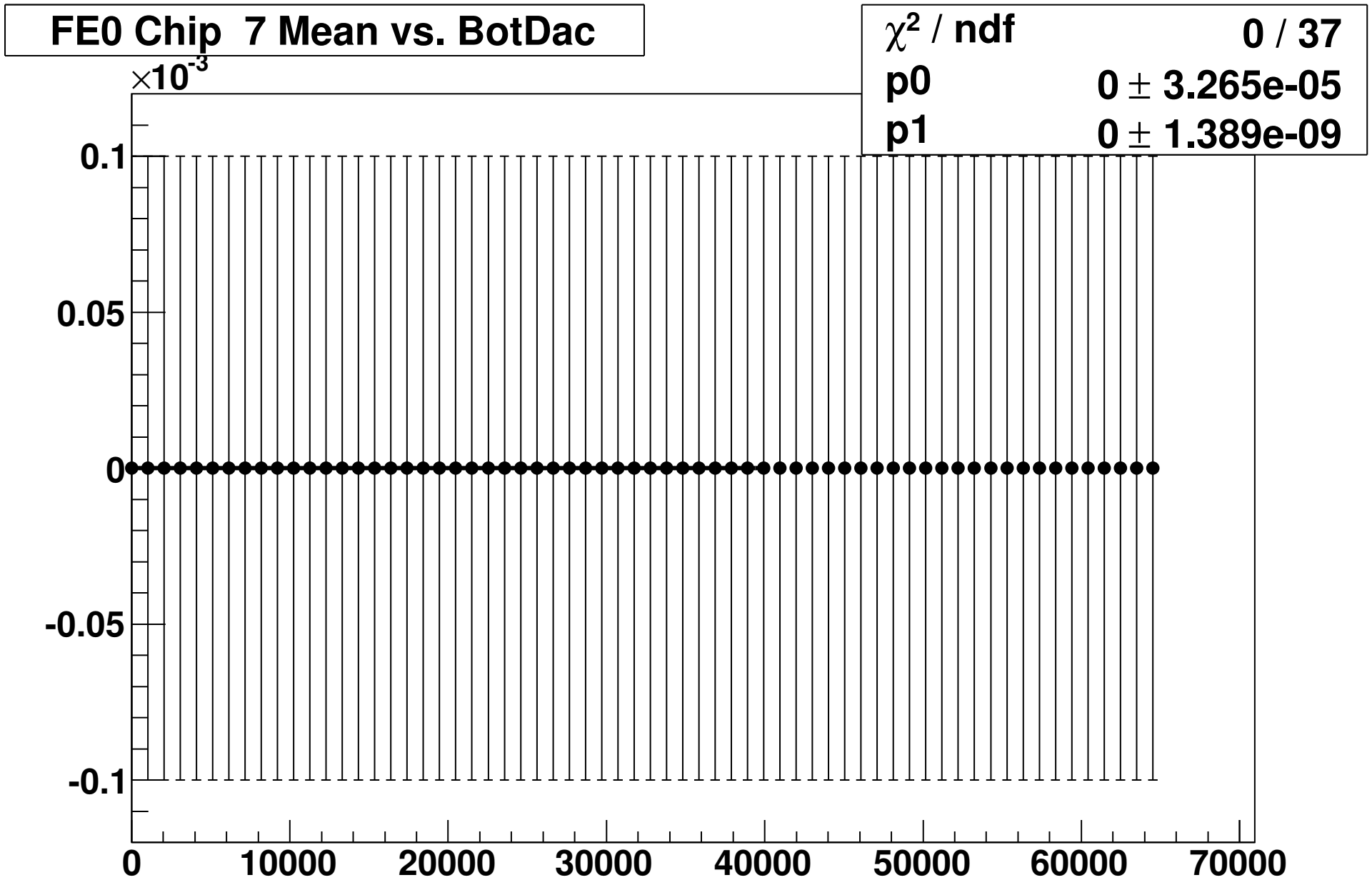
FE0 Chip 7 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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-0.05
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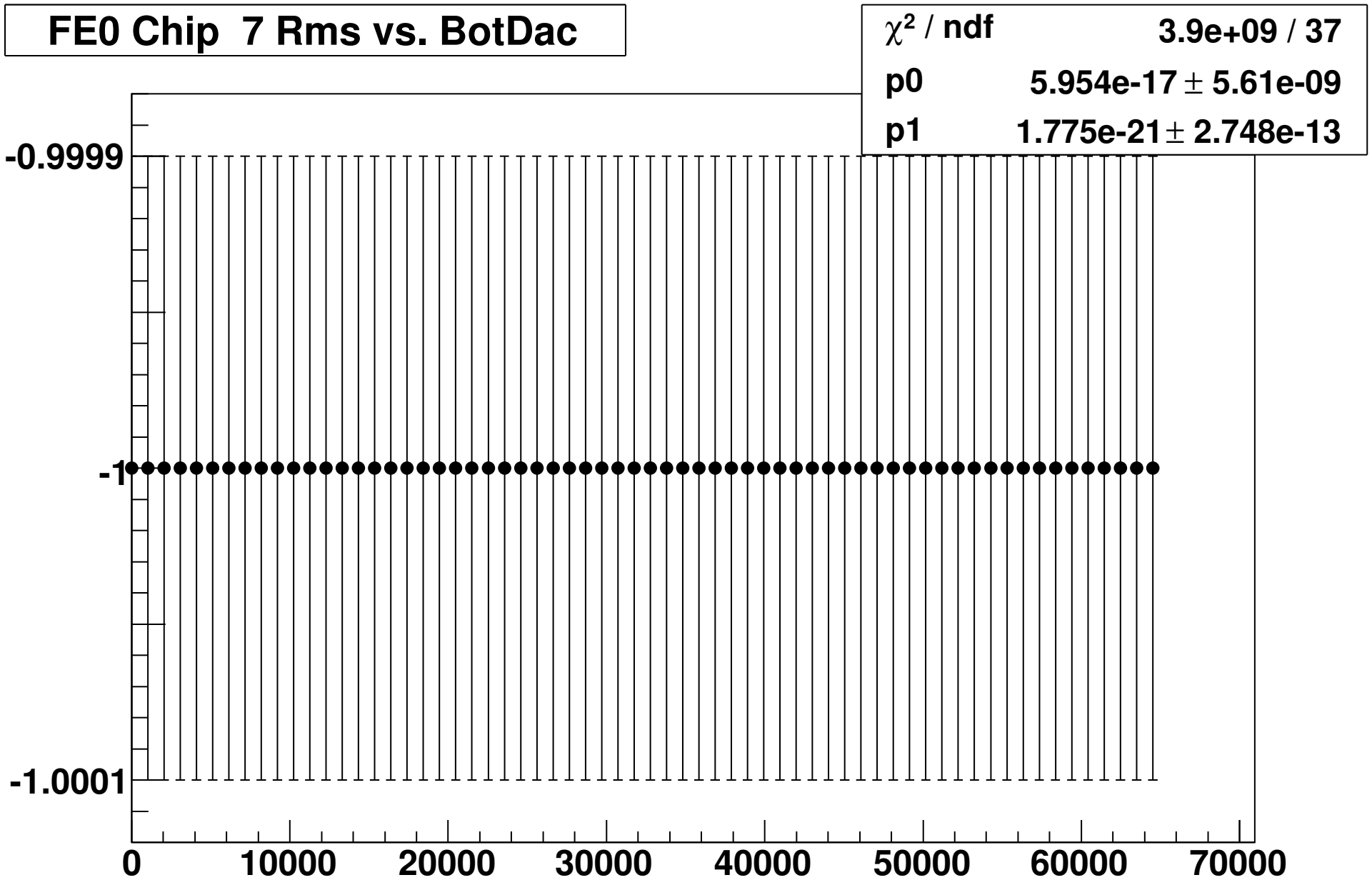
FE0 Chip 7 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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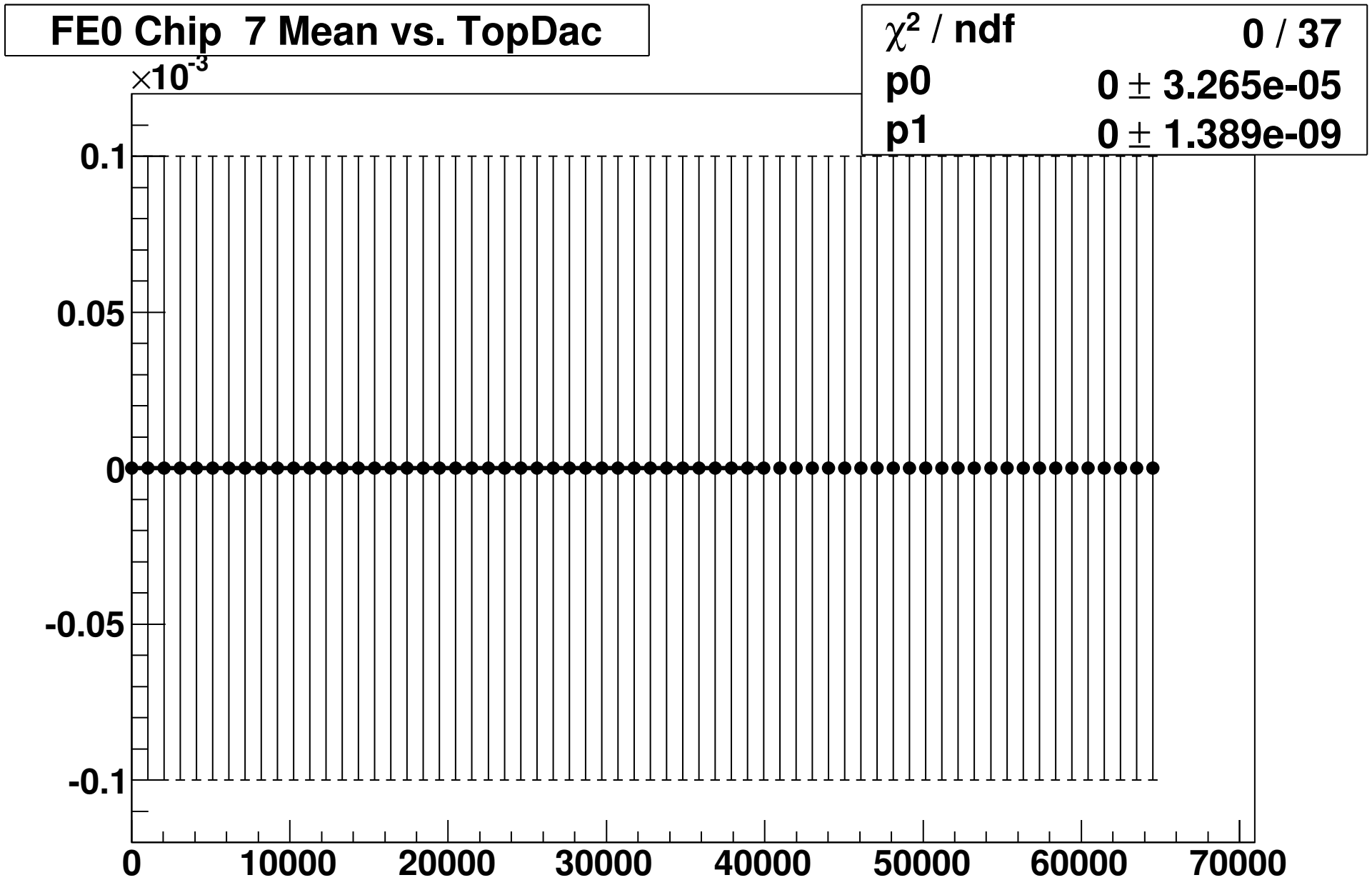
FE0 Chip 7 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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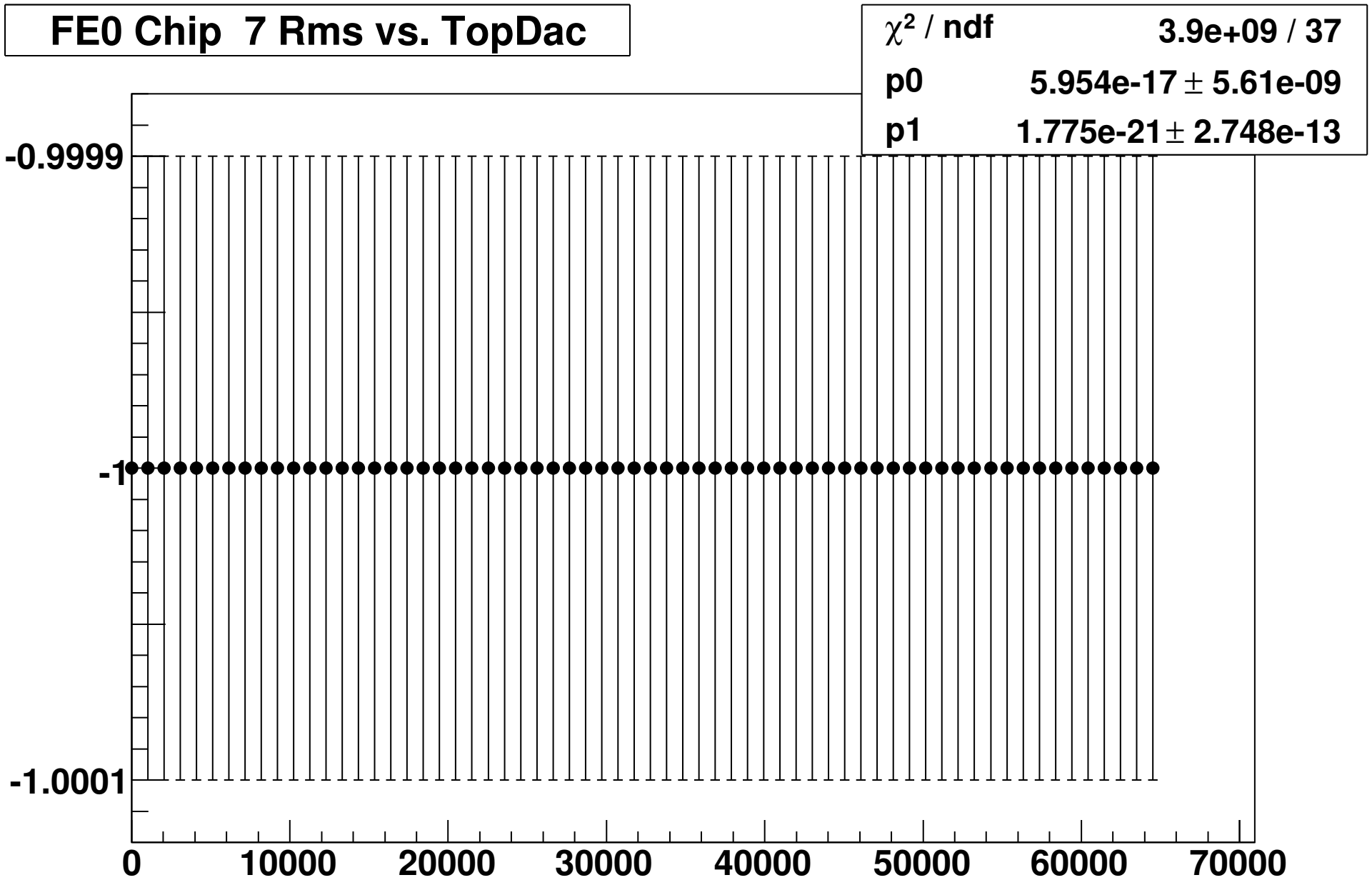
FE0 Chip 7 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
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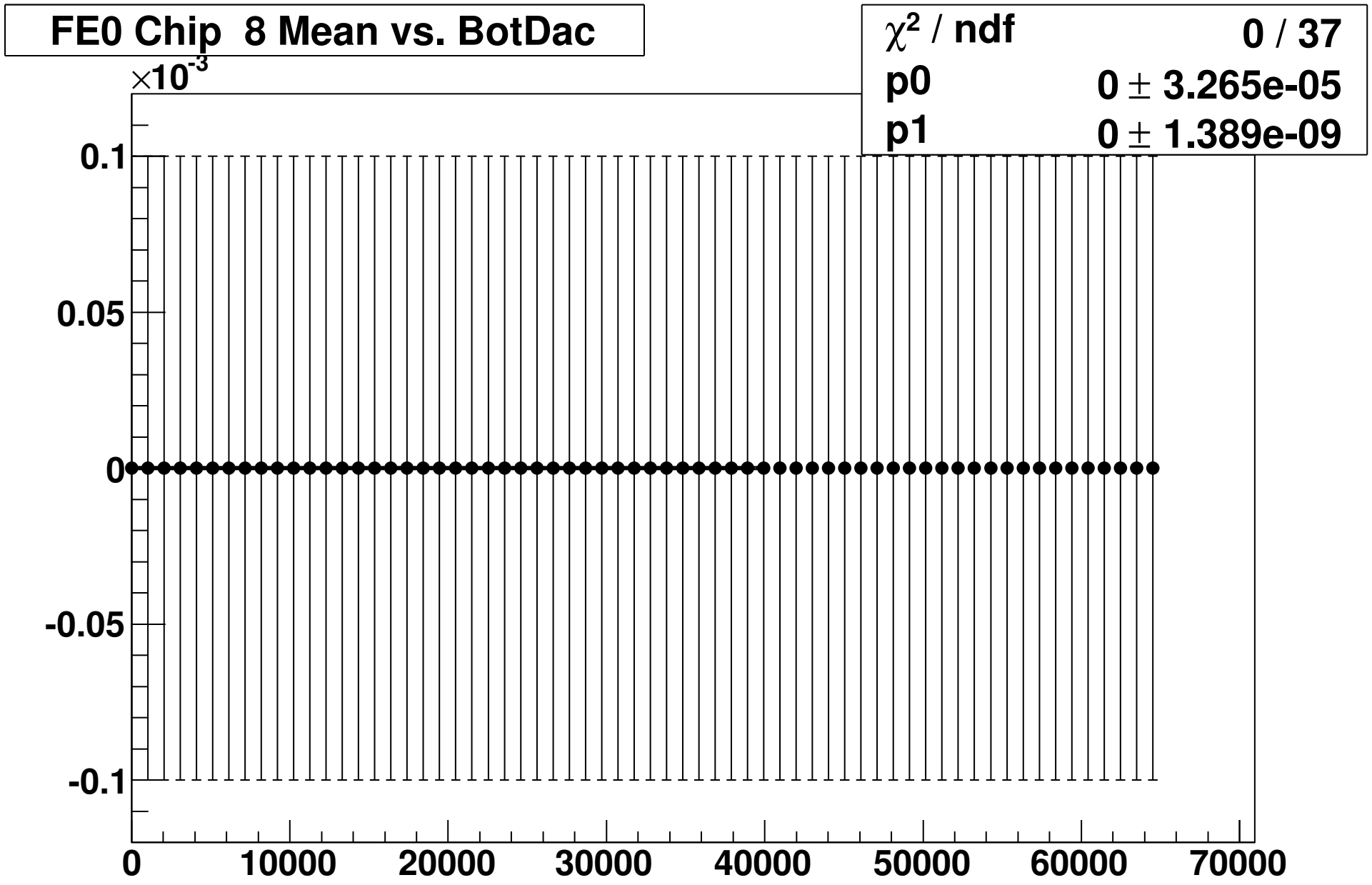
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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0.05
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-0.05
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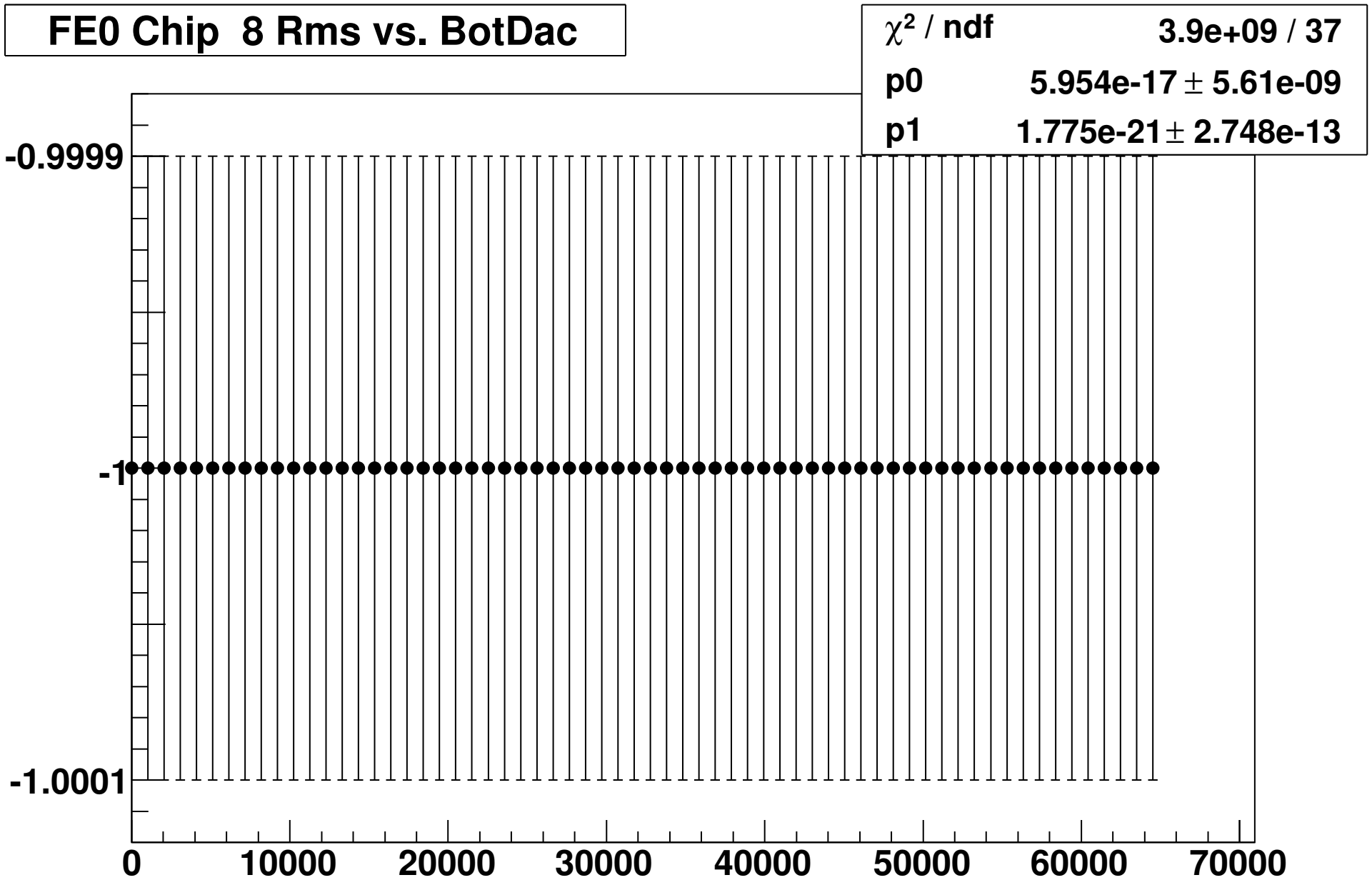
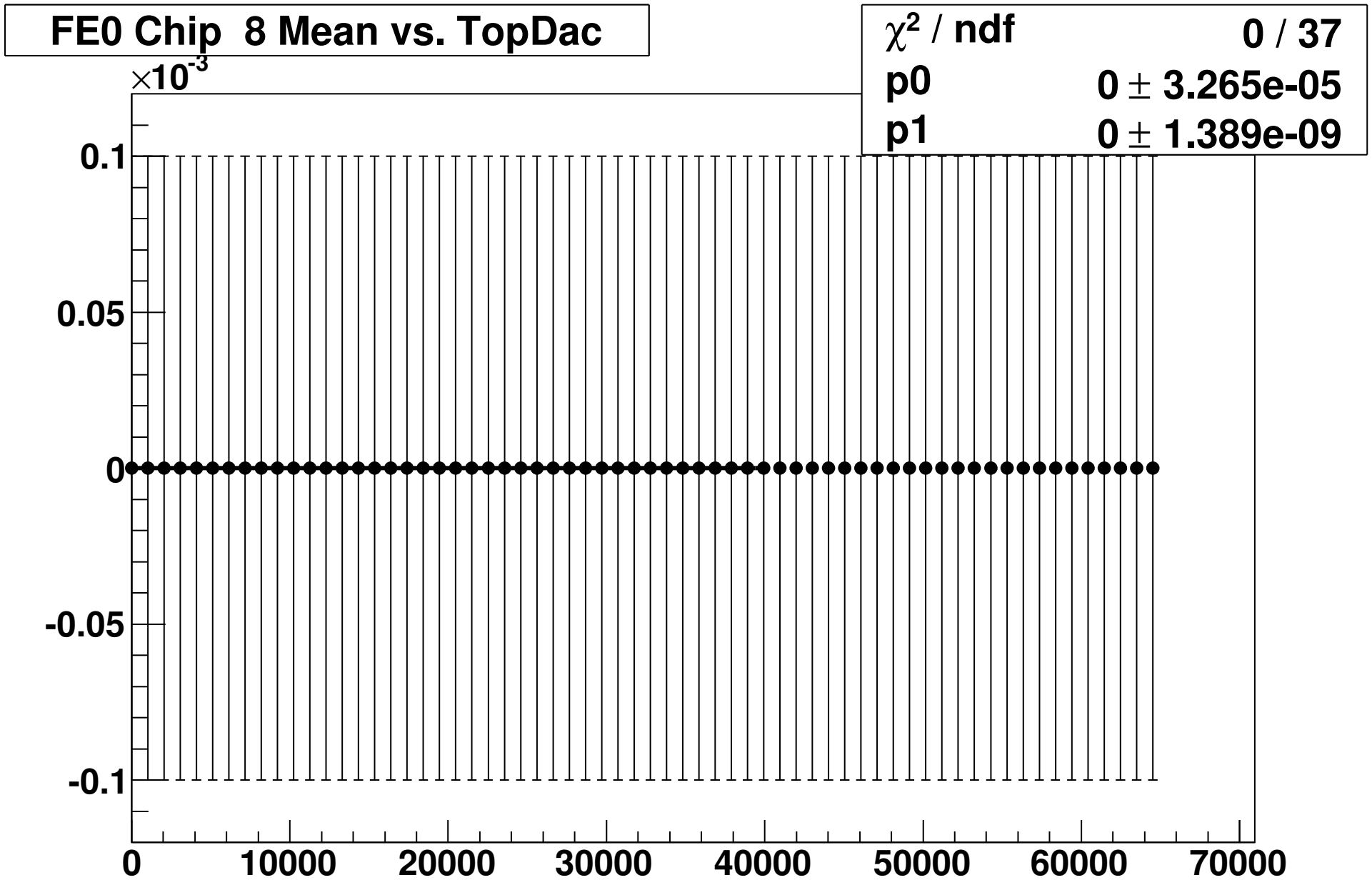

FE0 Chip 8 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
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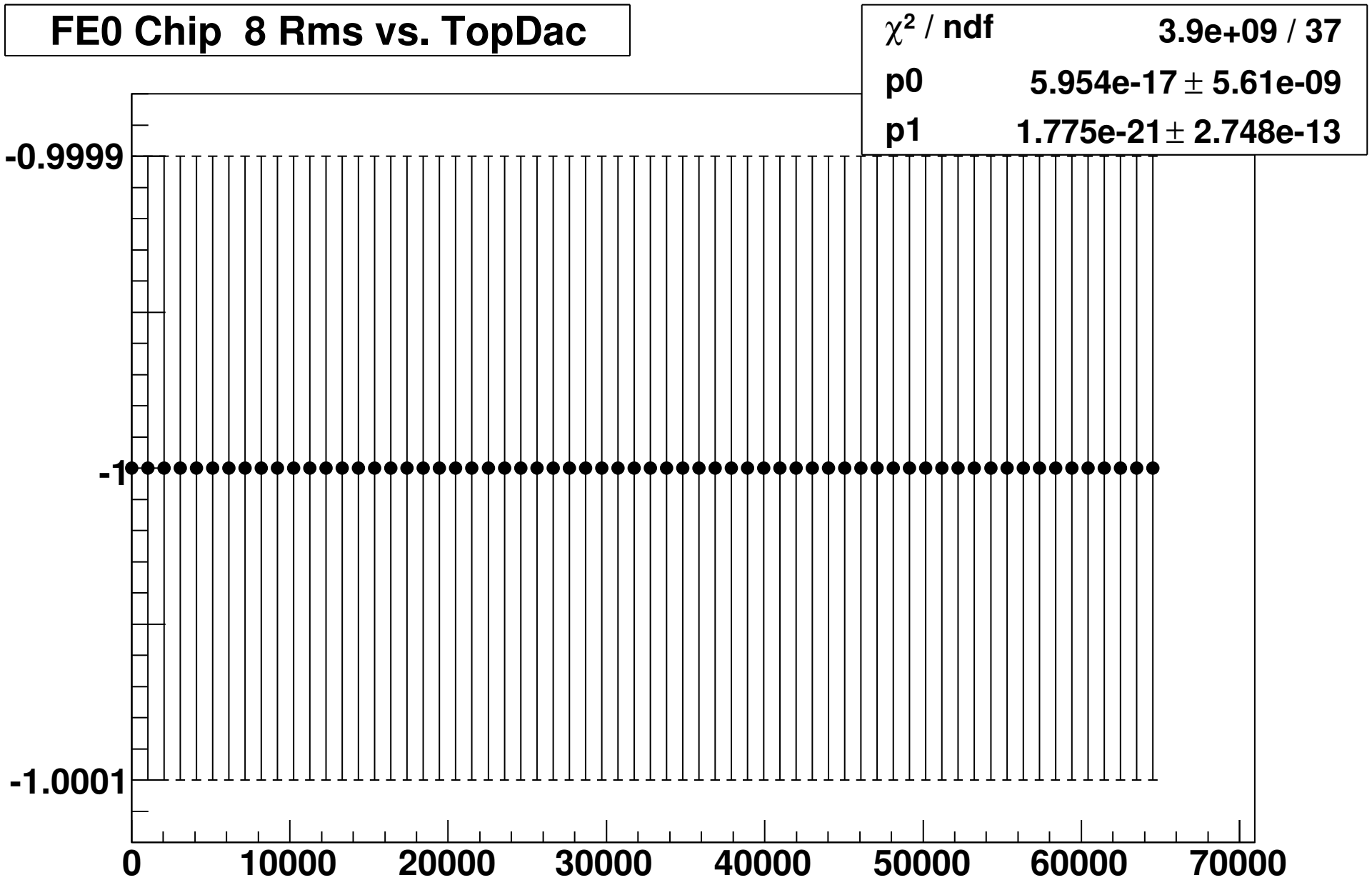
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
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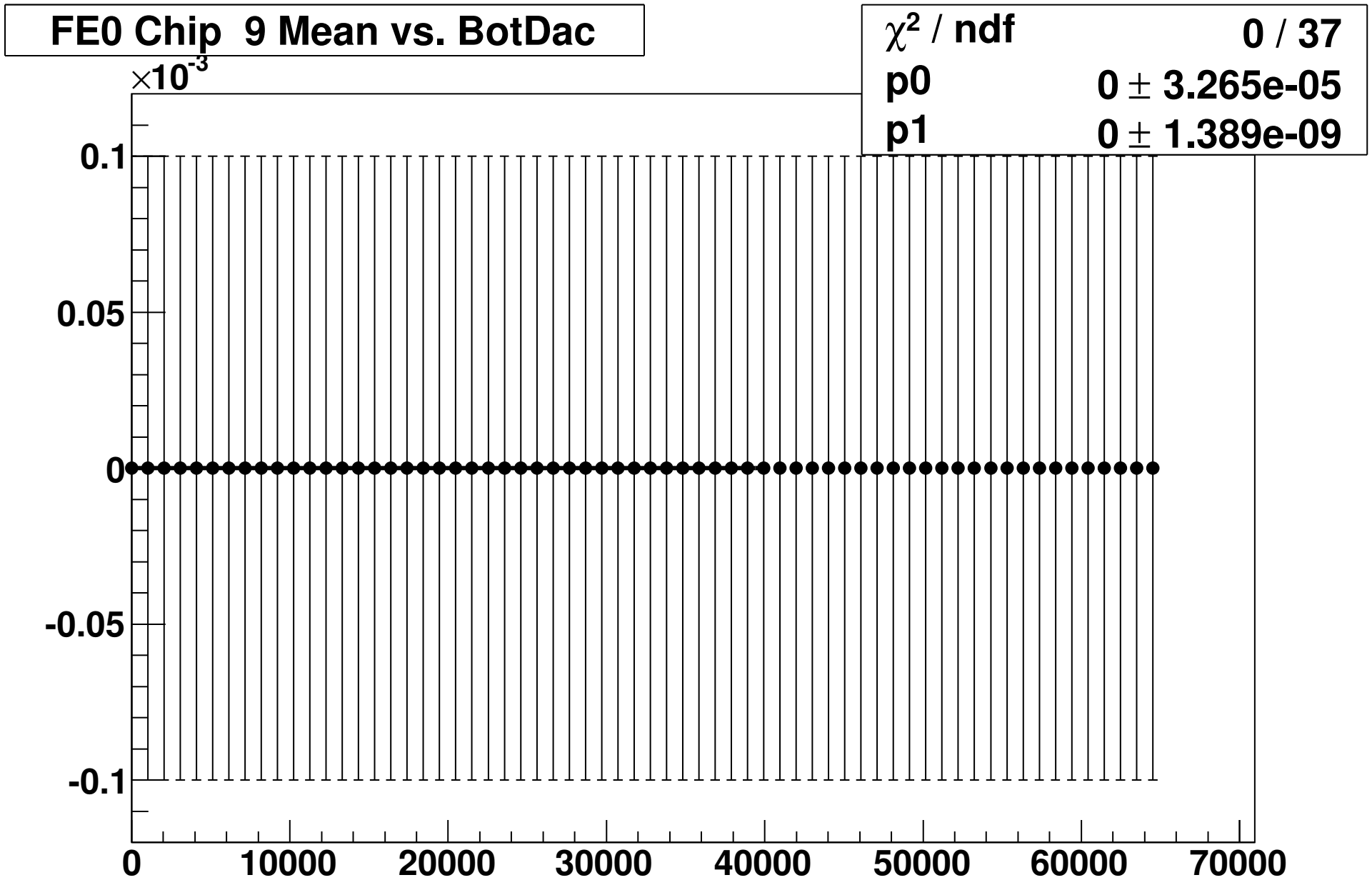
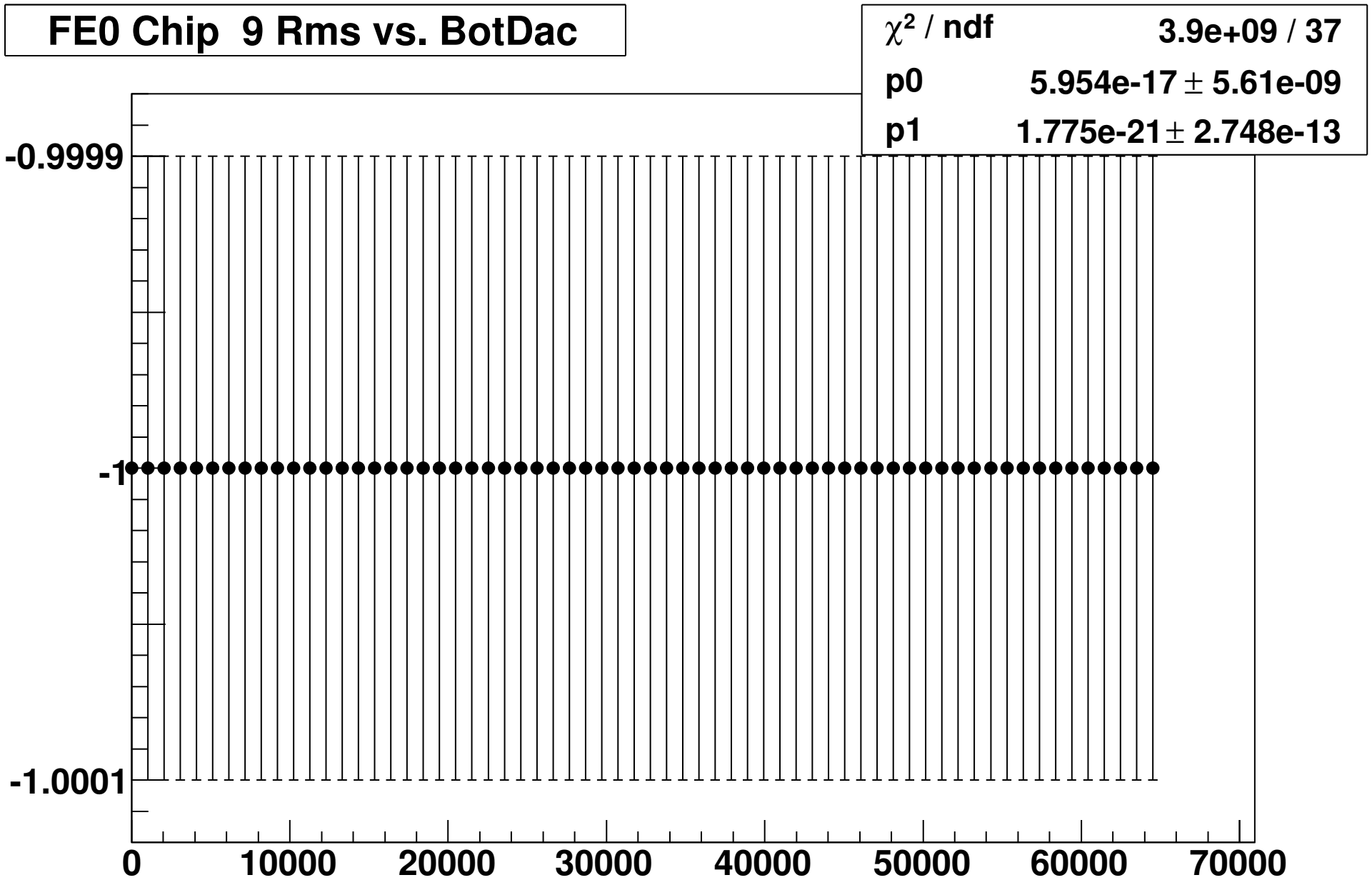

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
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60000
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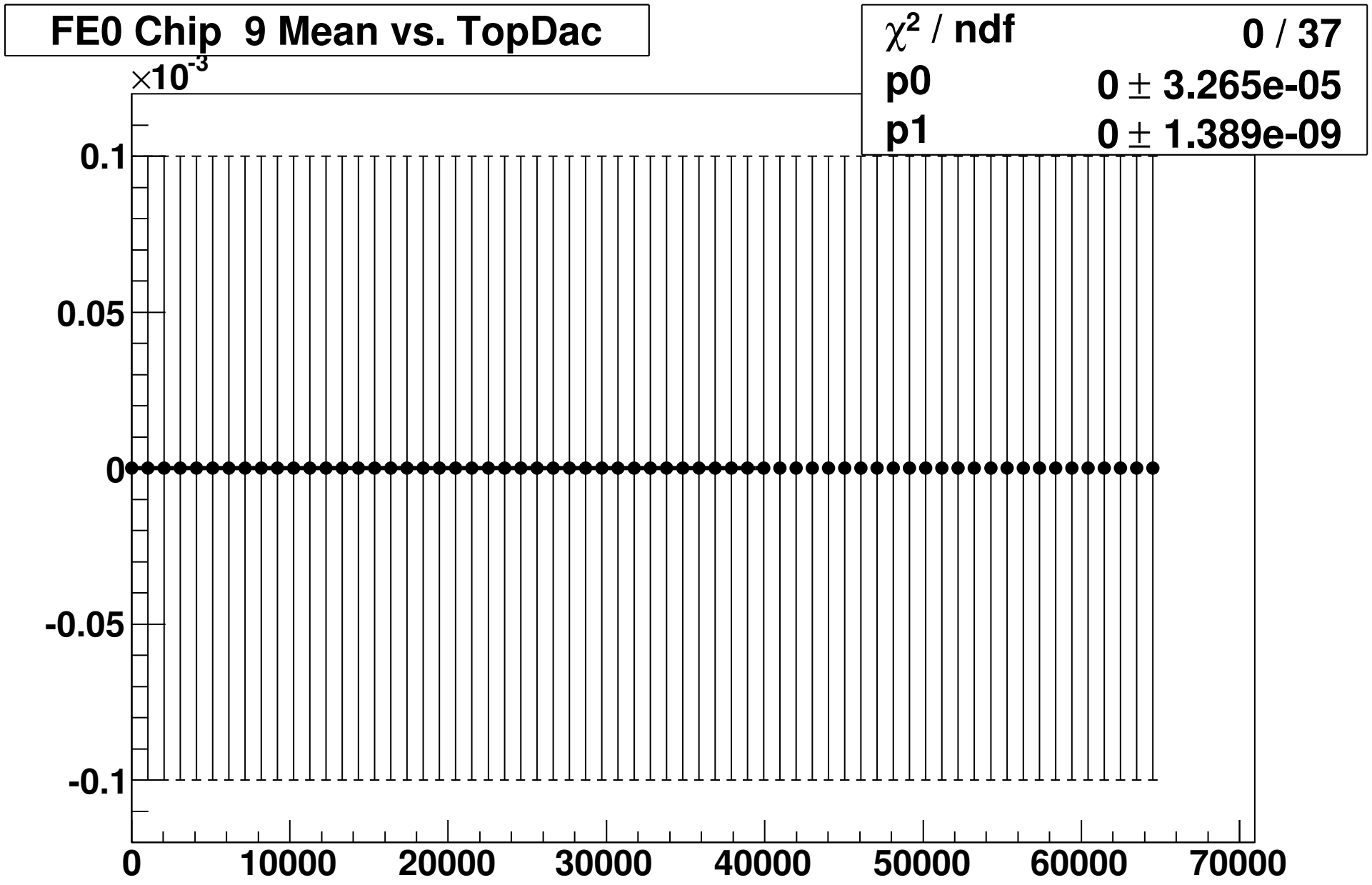
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
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40000
50000
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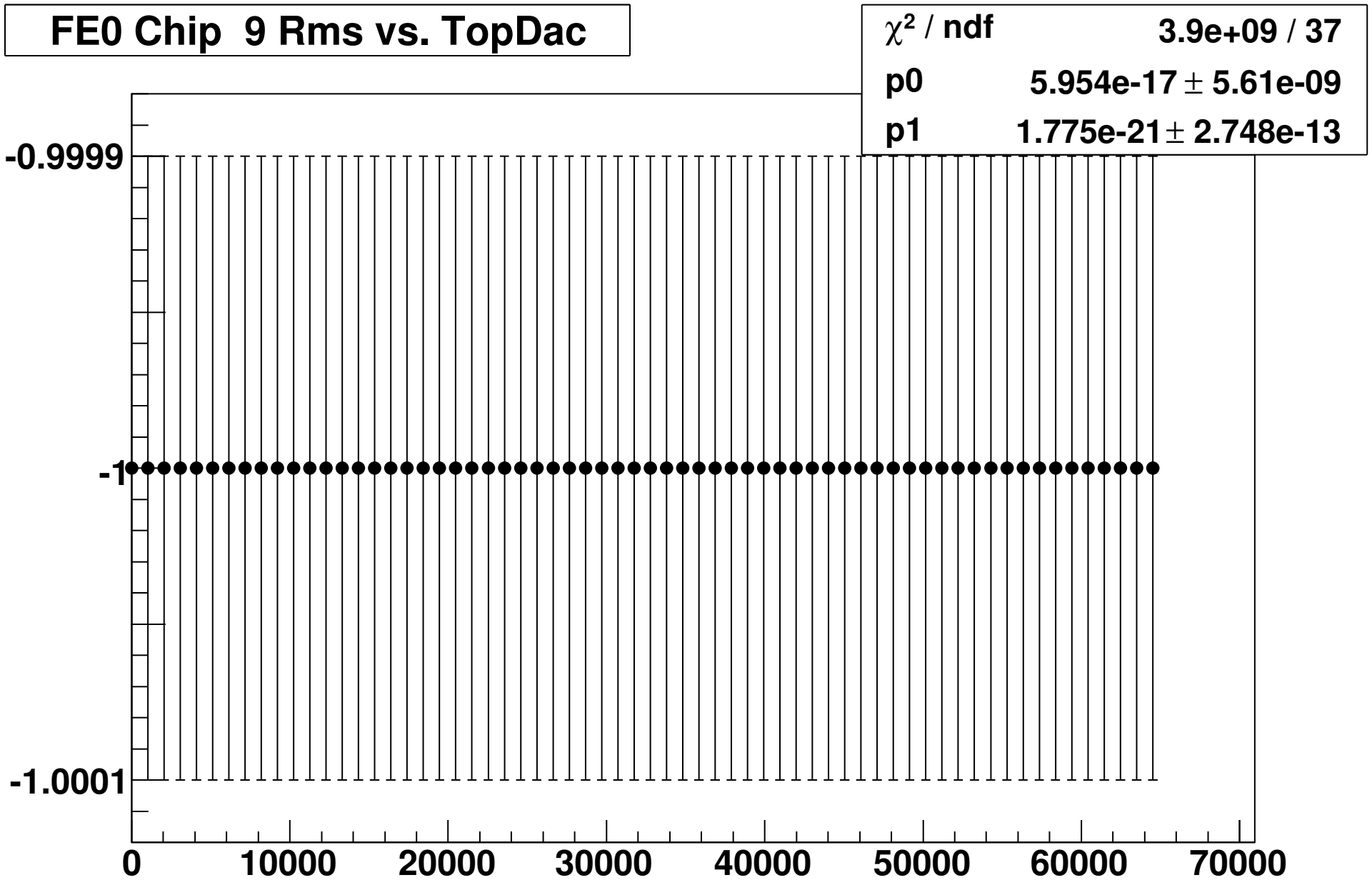
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
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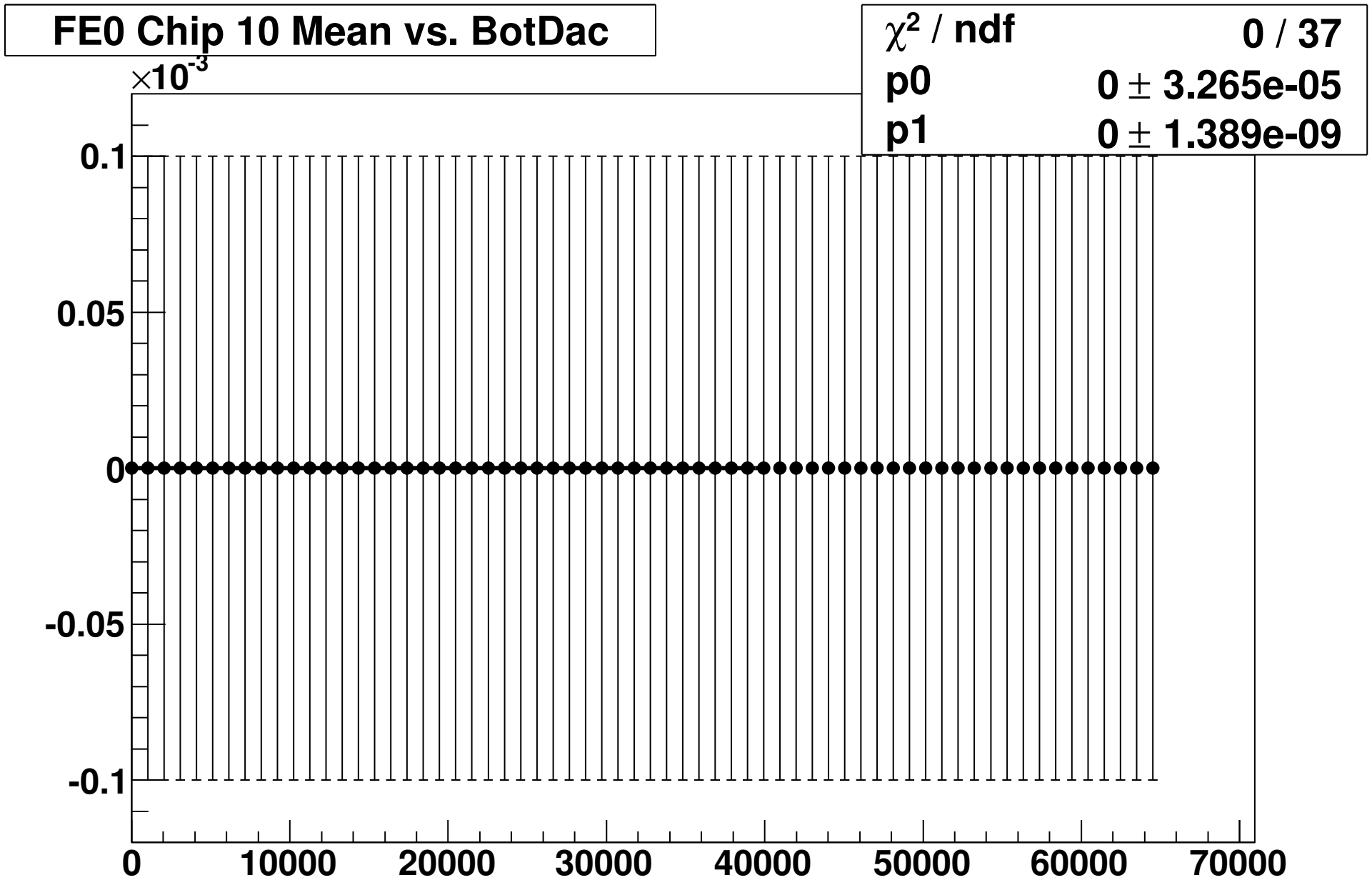
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
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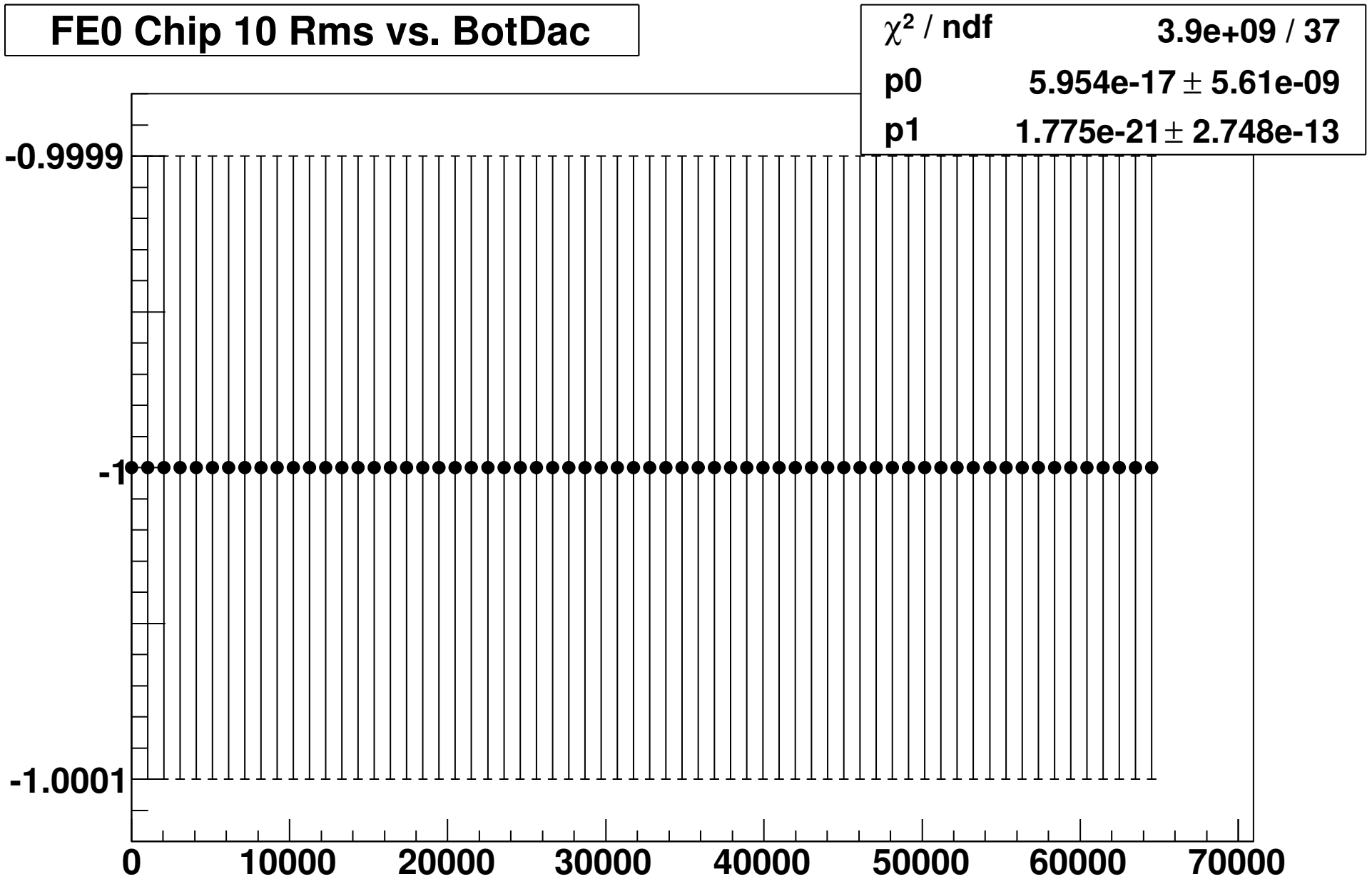
FE0 Chip 10 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
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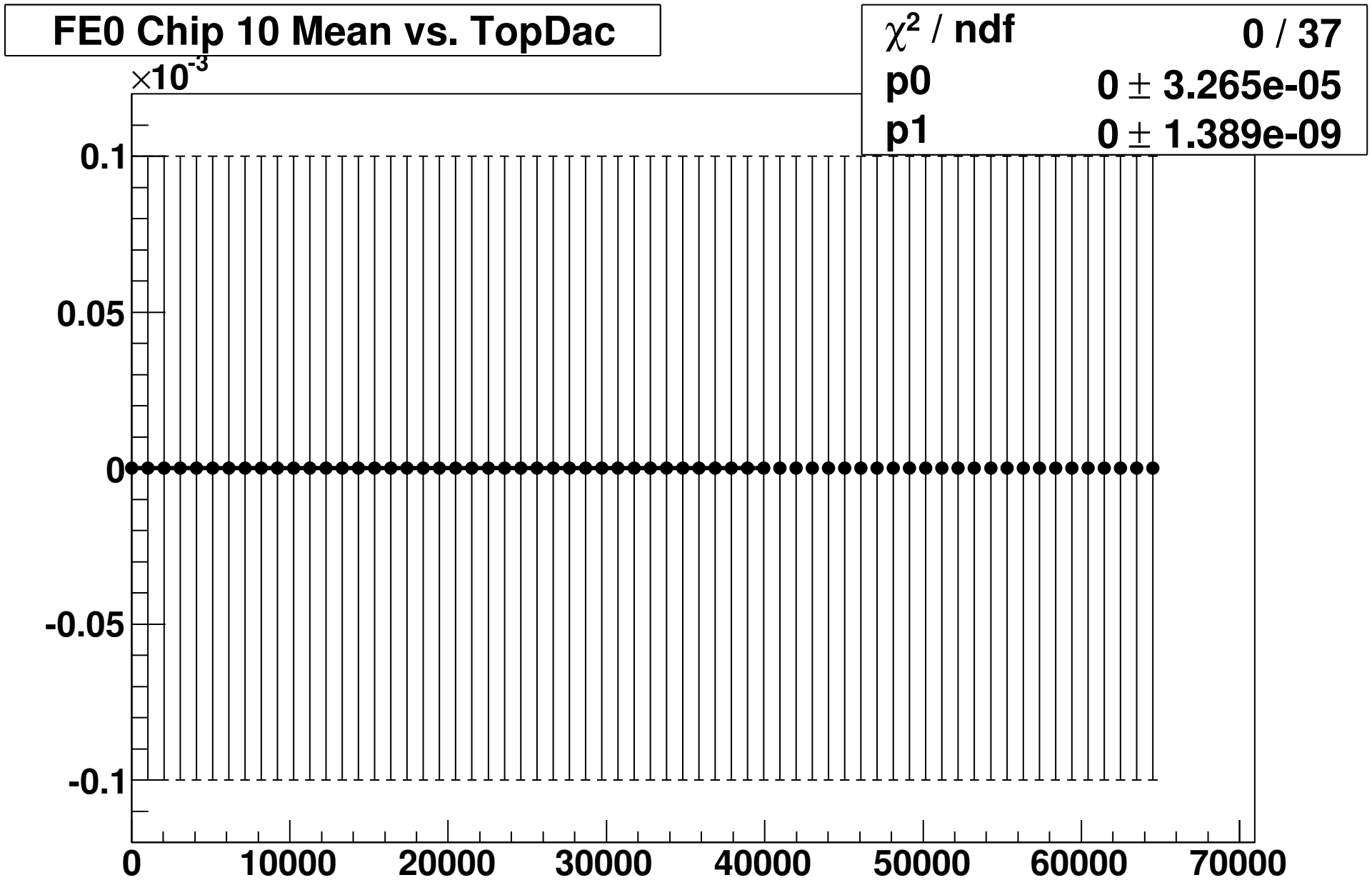
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
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50000
60000
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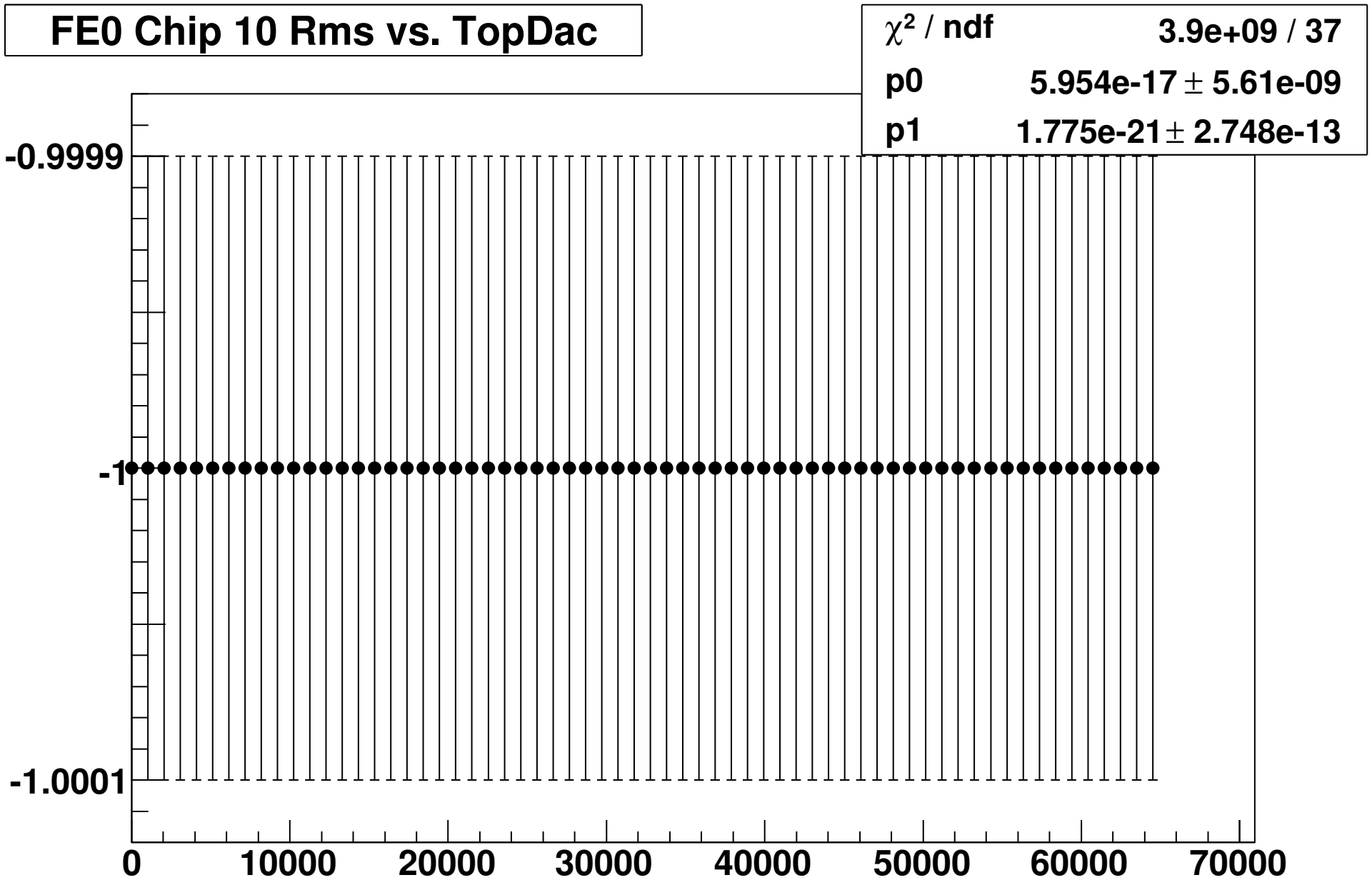
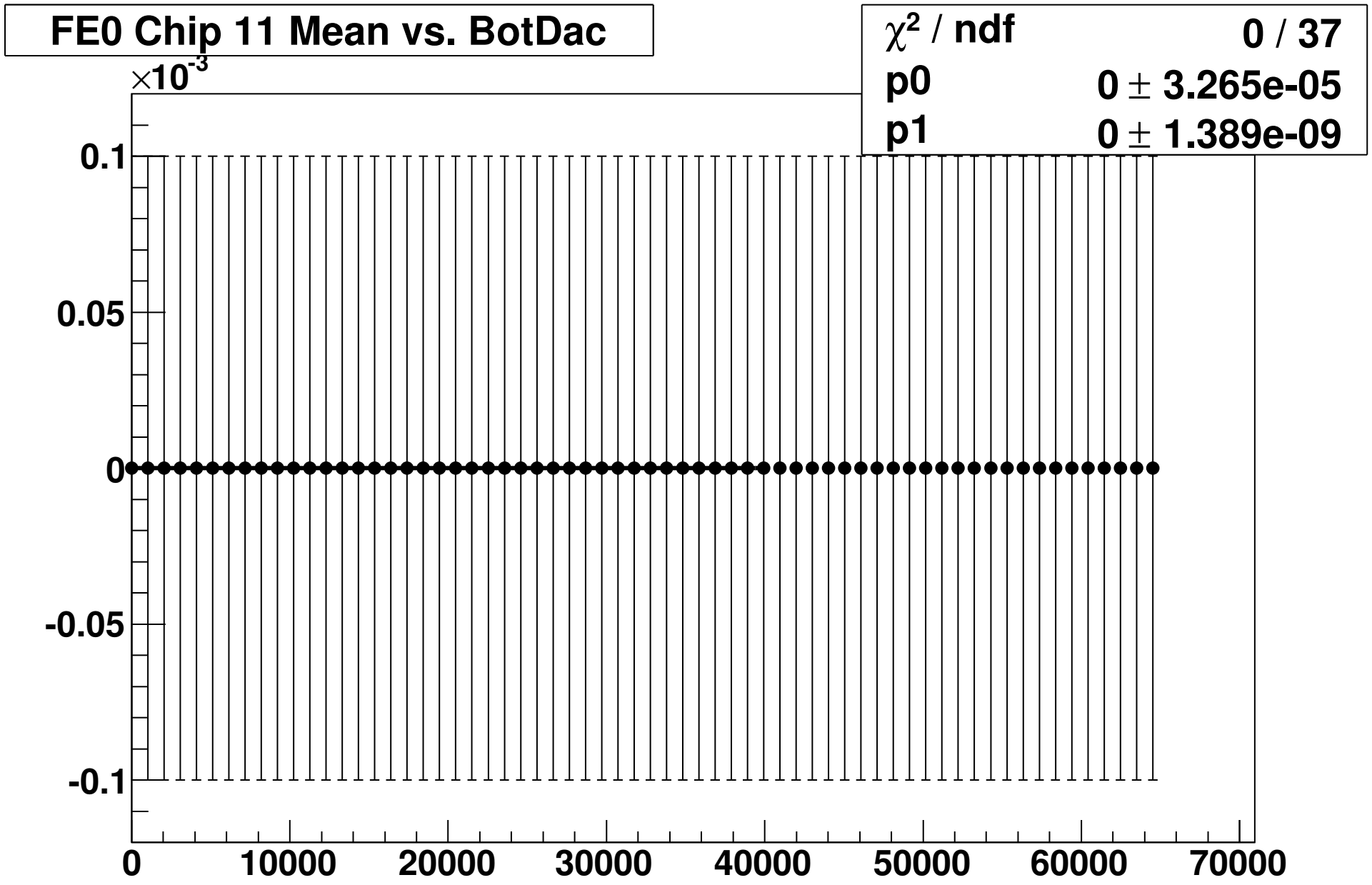
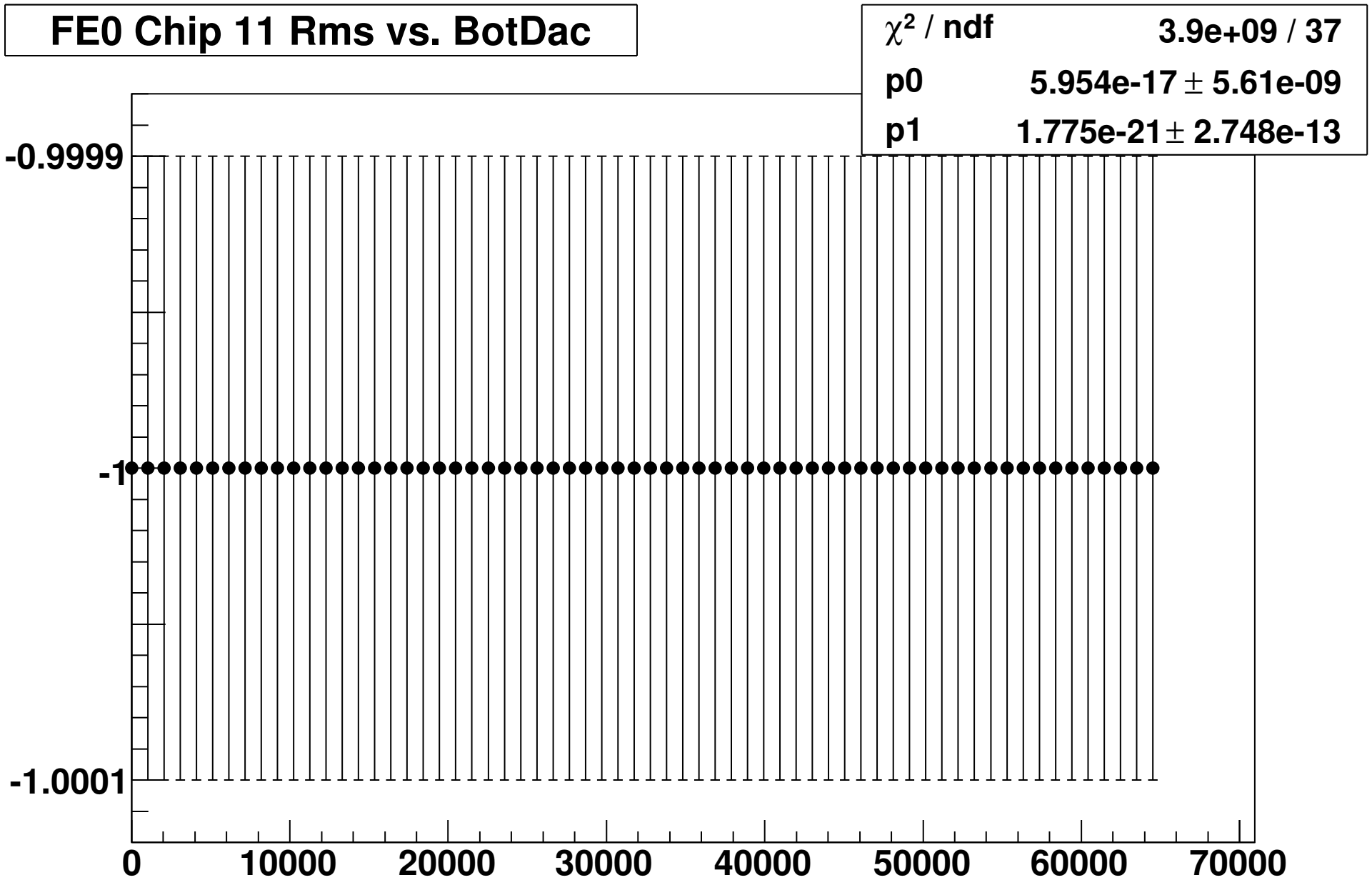
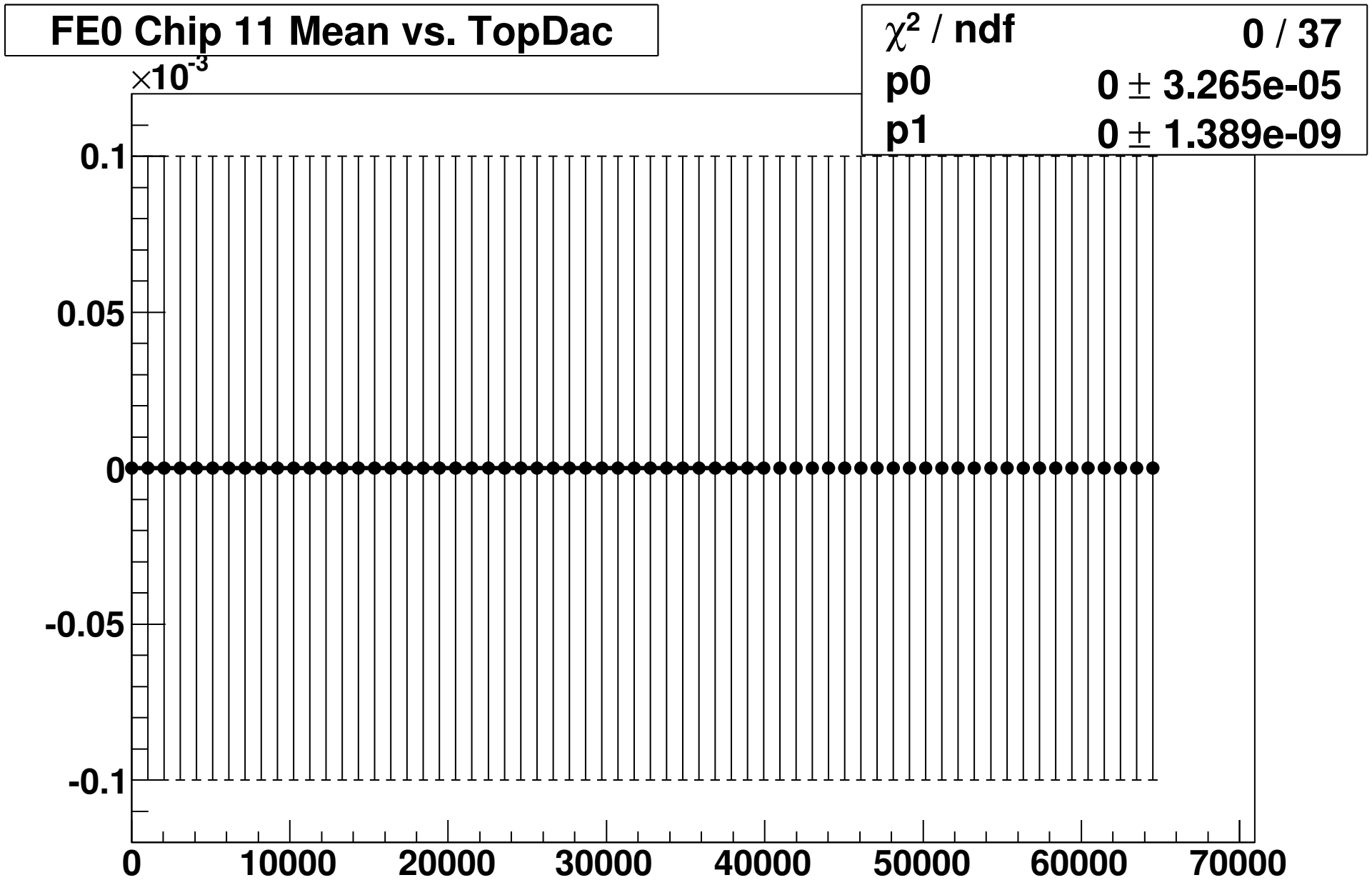
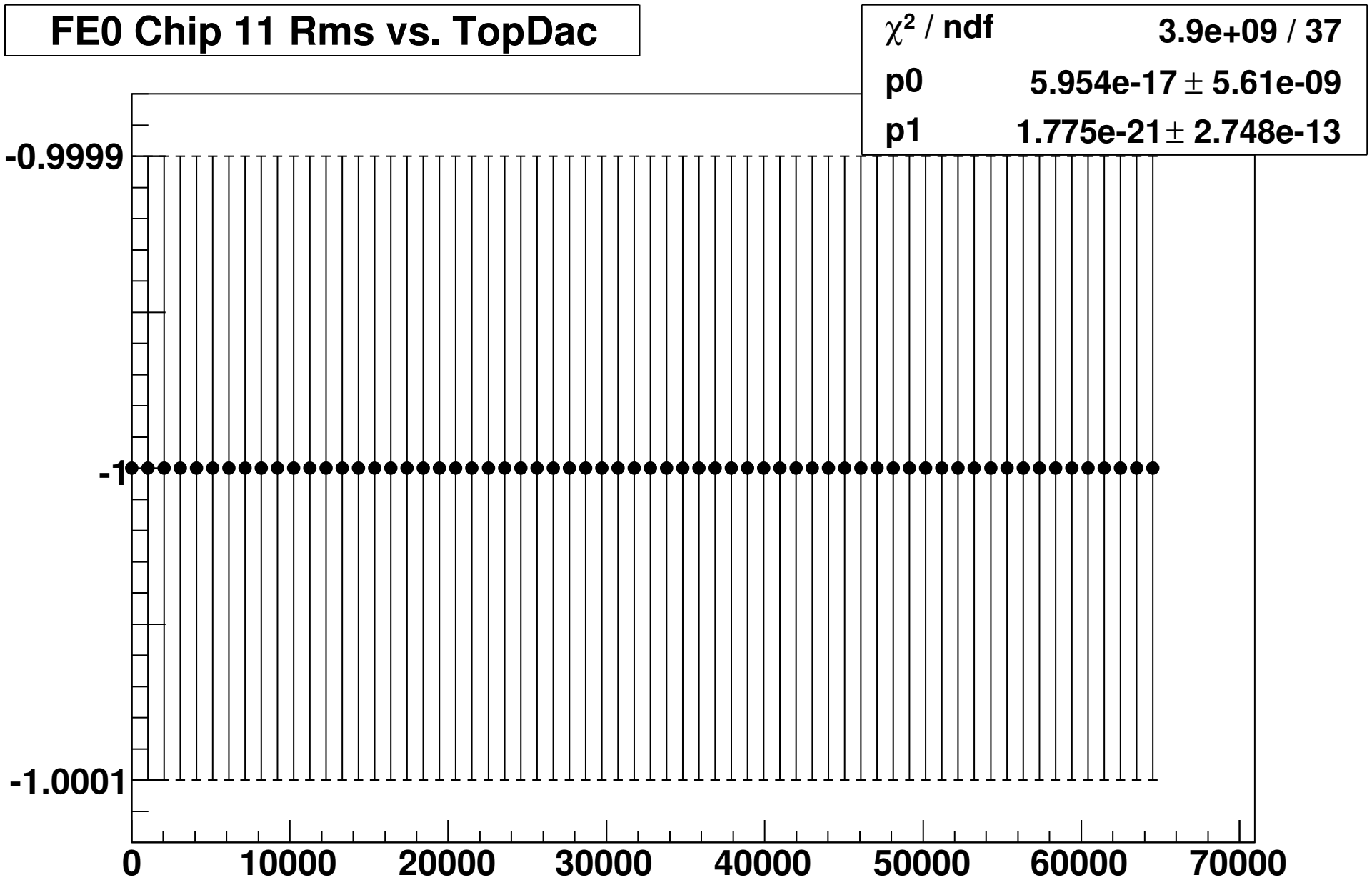

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
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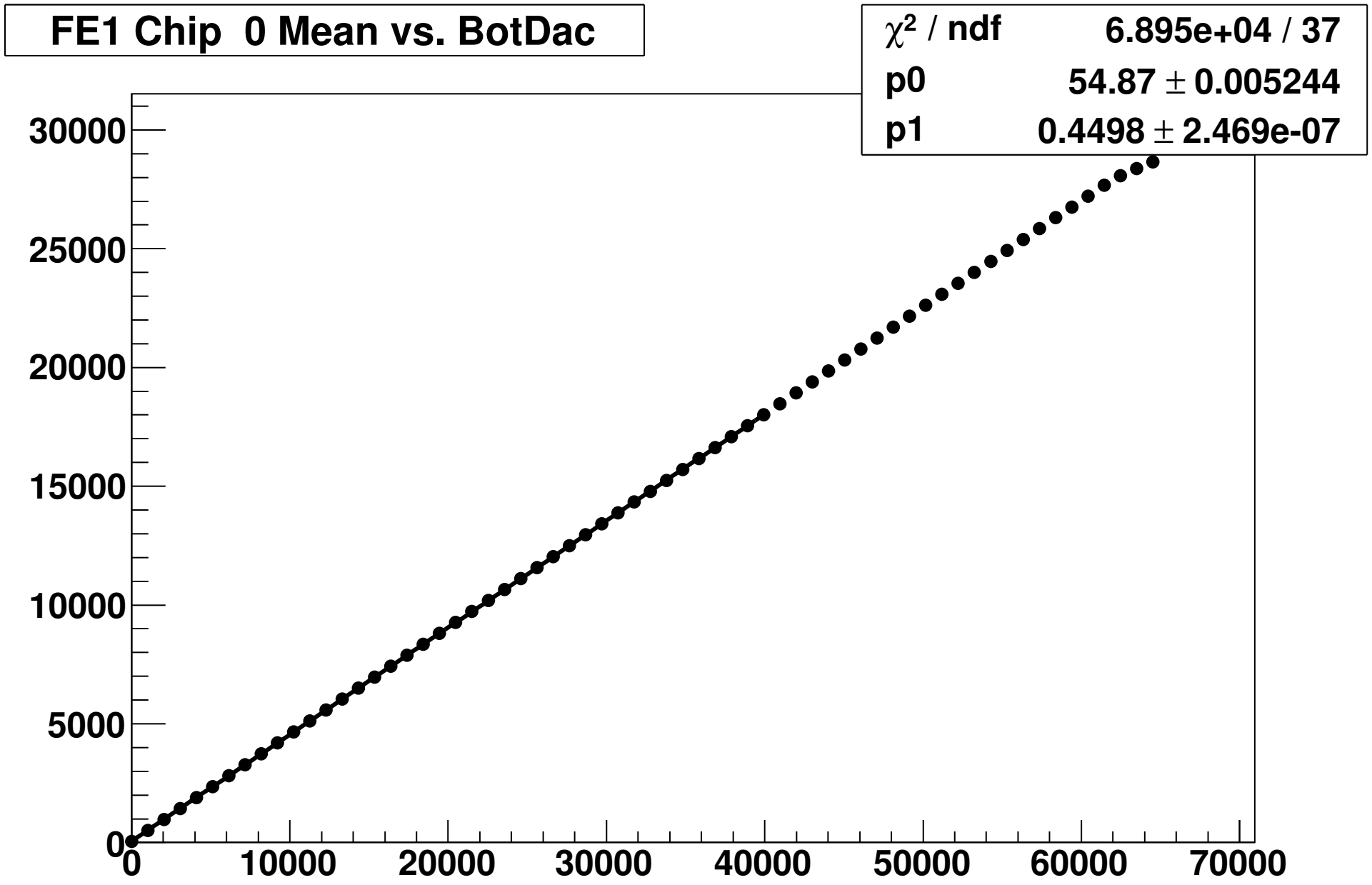
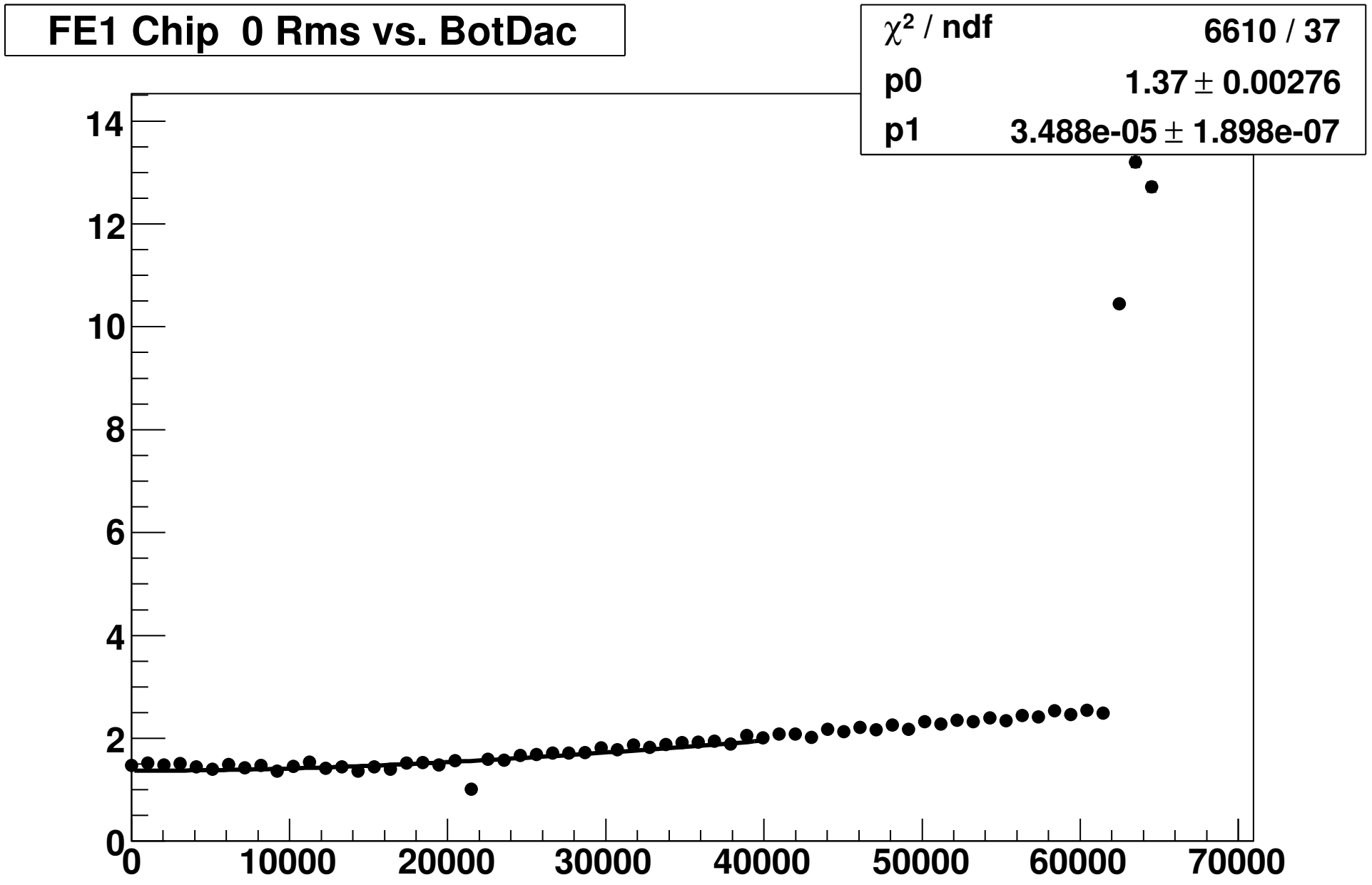
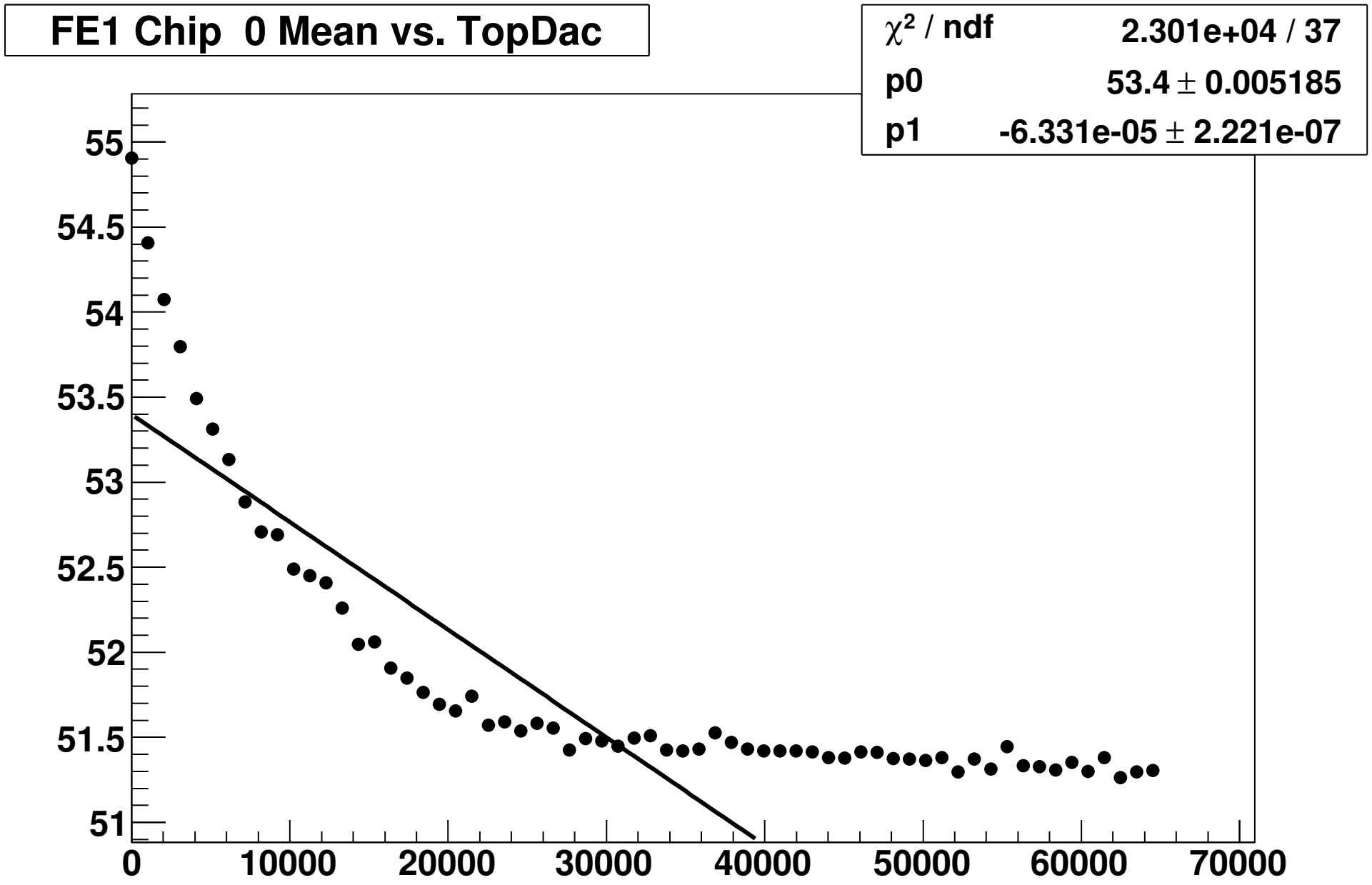
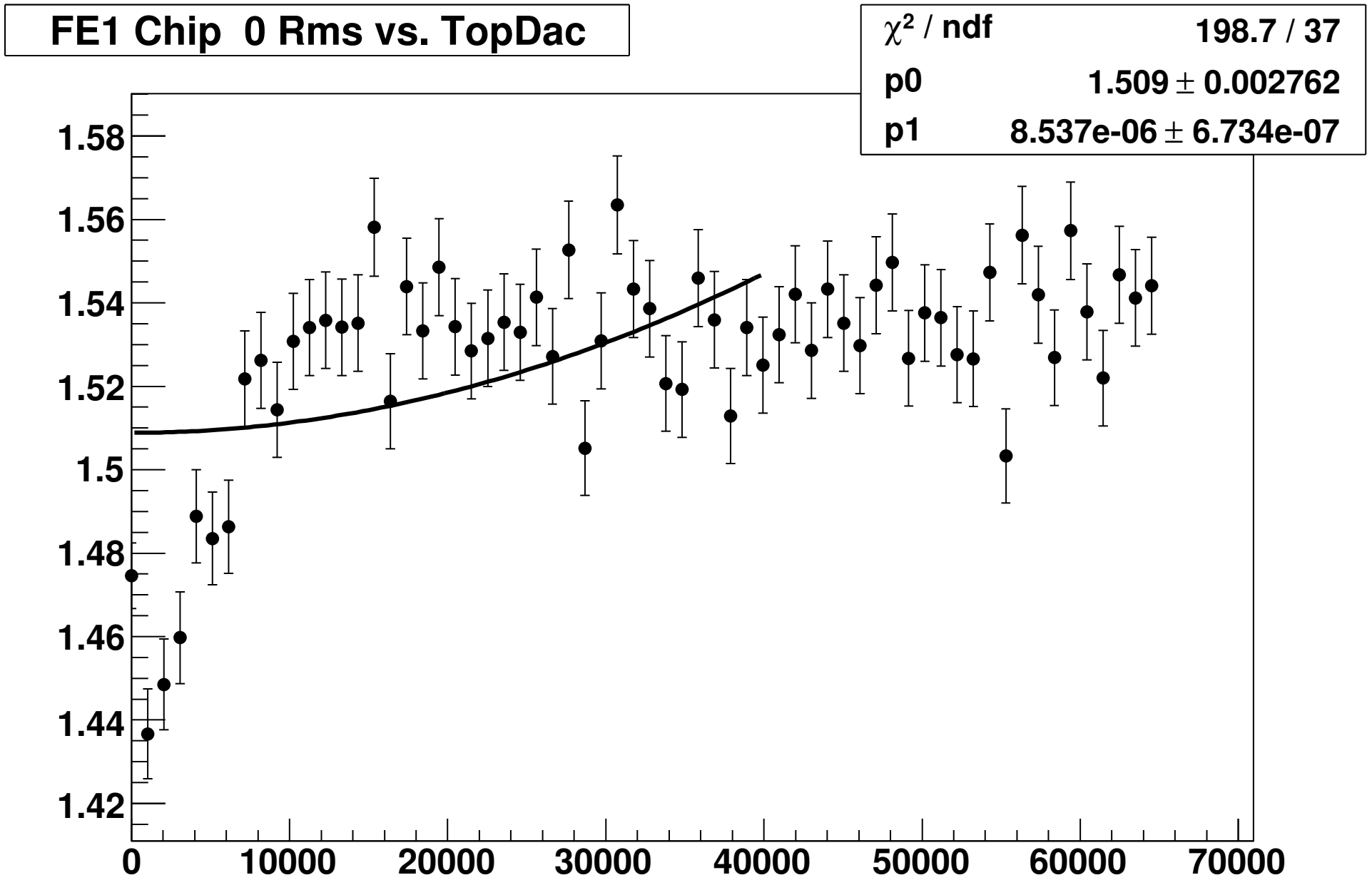
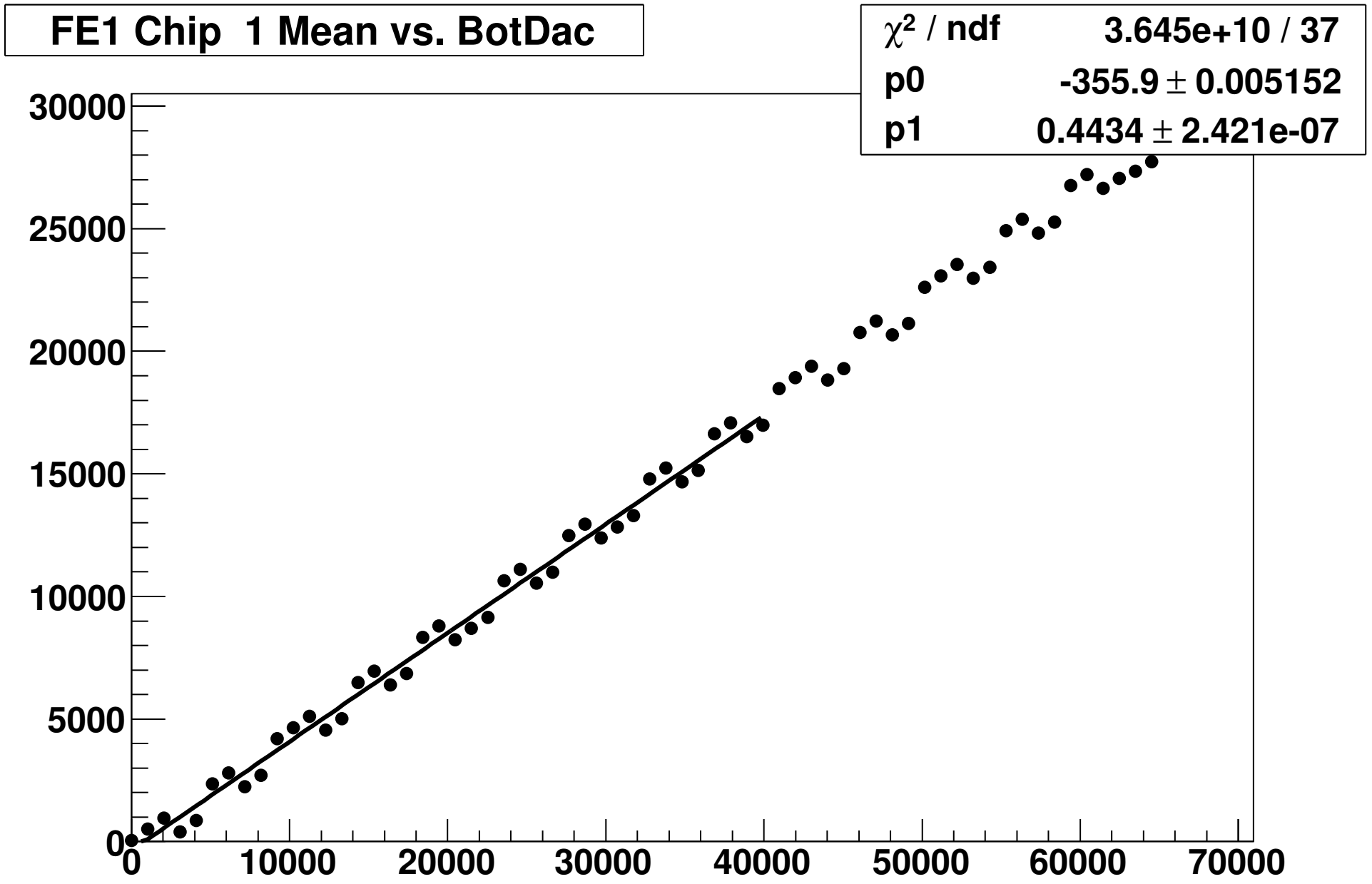
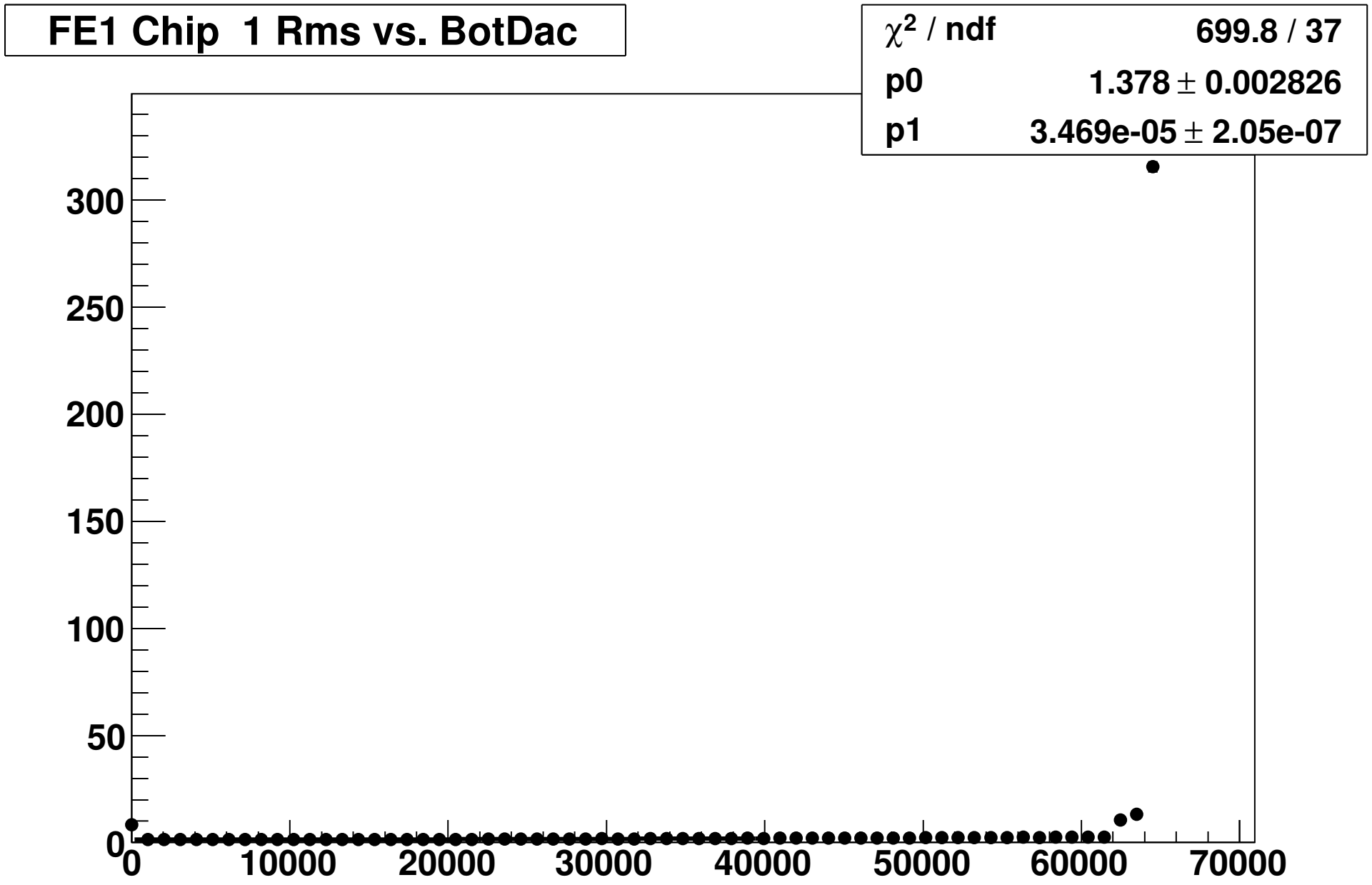

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 6.895e+04 / 37
p0 54.87 ± 0.005244
p1 0.4498 ± 2.469e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

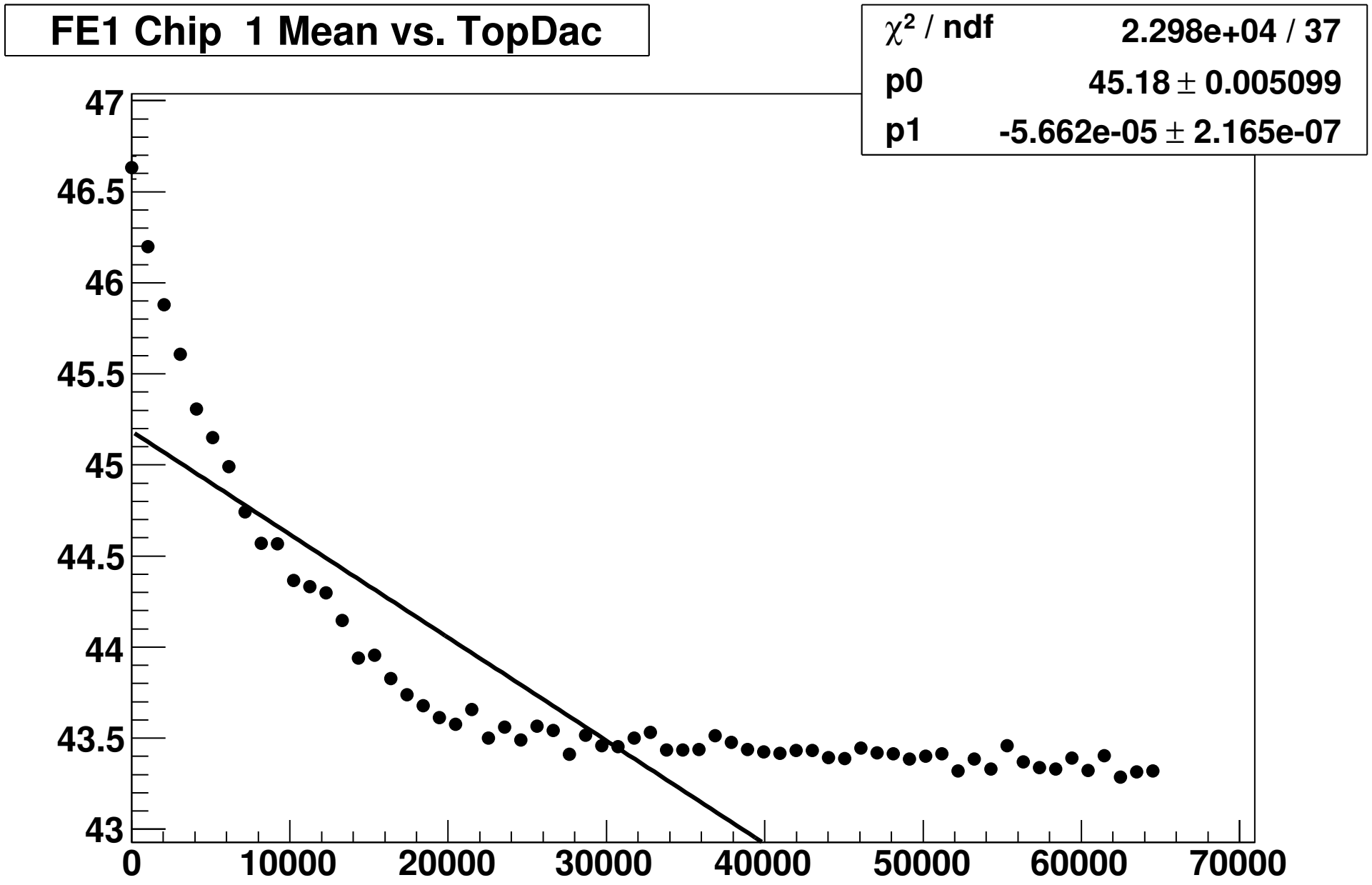

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 6610 / 37
p0 1.37 ± 0.00276
p1 3.488e-05 ± 1.898e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

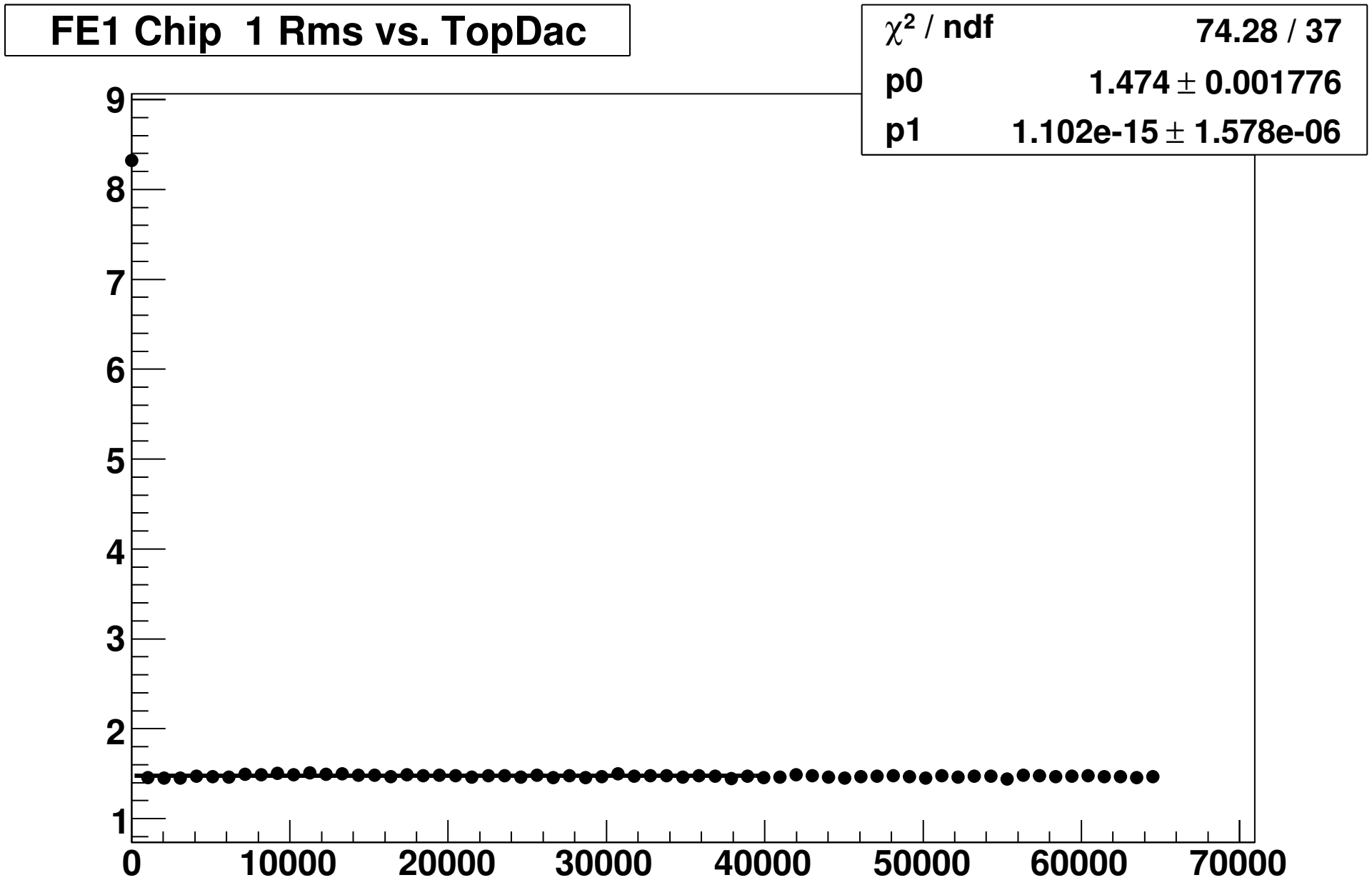

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 2.301e+04 / 37
p0 53.4 ± 0.005185
p1 -6.331e-05 ± 2.221e-07
55
54.5
54
53.5
53
52.5
52
51.5
51
0
10000
20000
30000
40000
50000
60000
70000

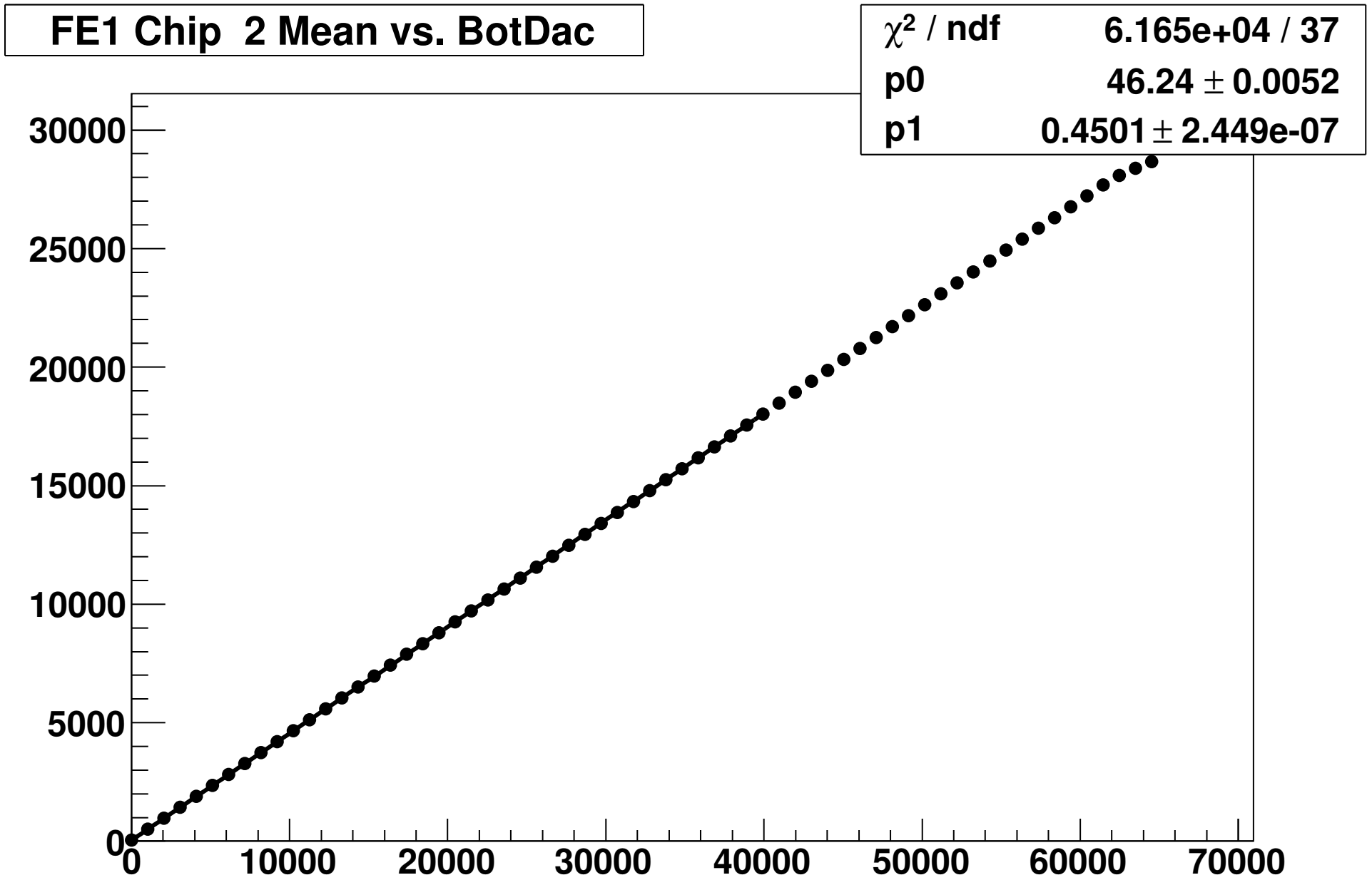

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 198.7 / 37
p0 1.509 ± 0.002762
p1 8.537e-06 ± 6.734e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

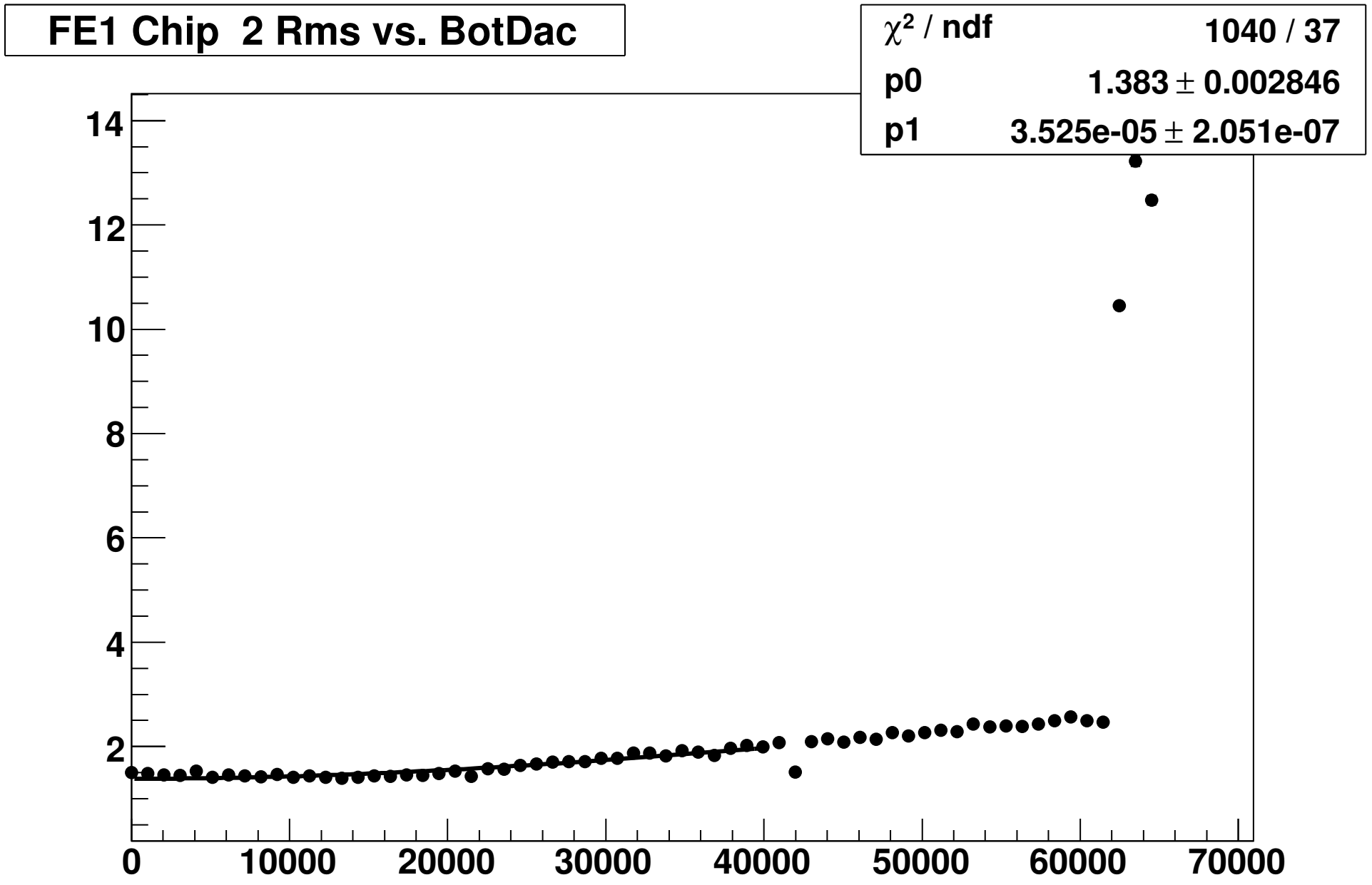

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 3.645e+10 / 37
p0 -355.9 ± 0.005152
p1 0.4434 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

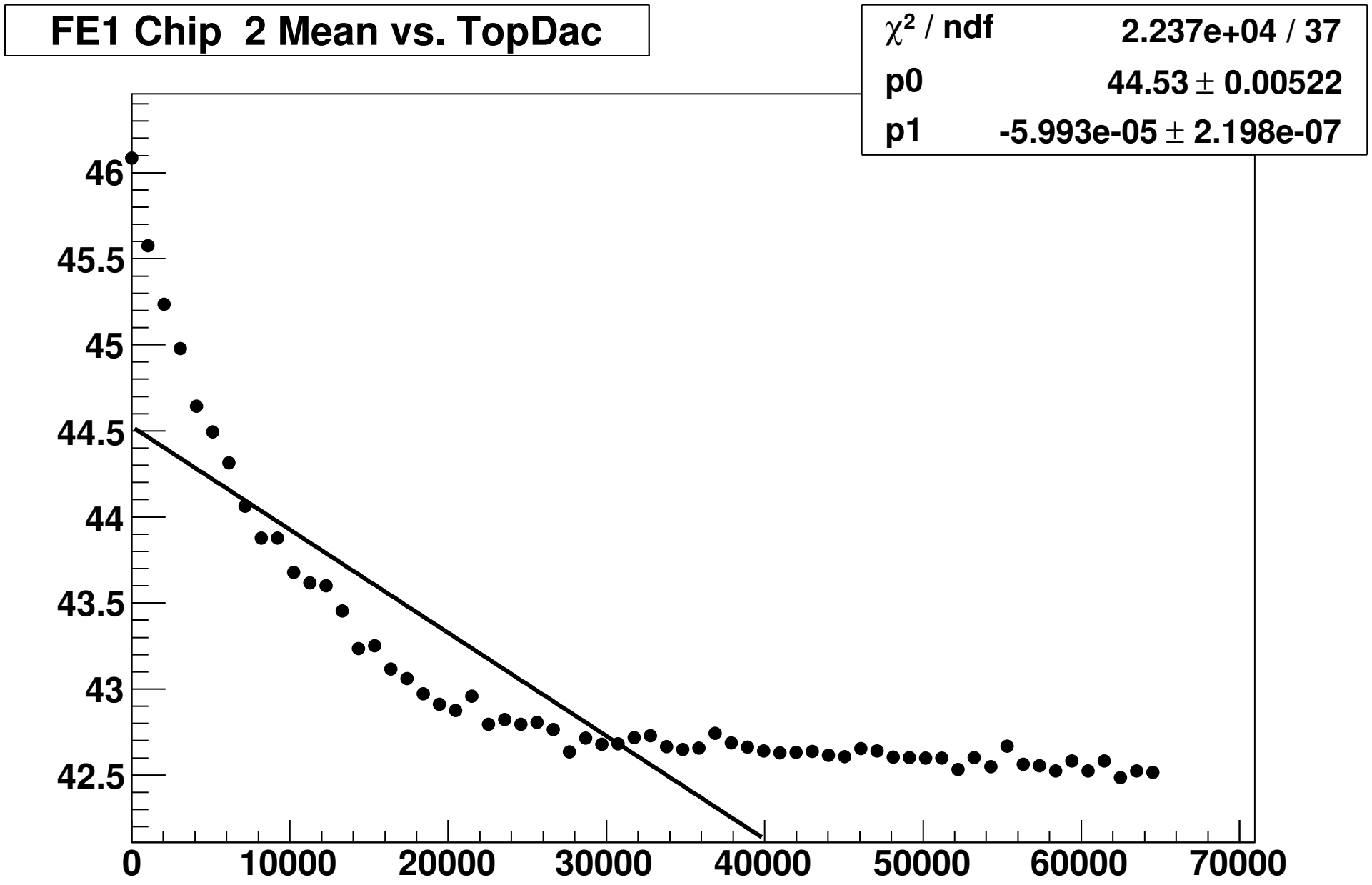

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 699.8 / 37
p0 1.378 ± 0.002826
p1 3.469e-05 ± 2.05e-07
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000

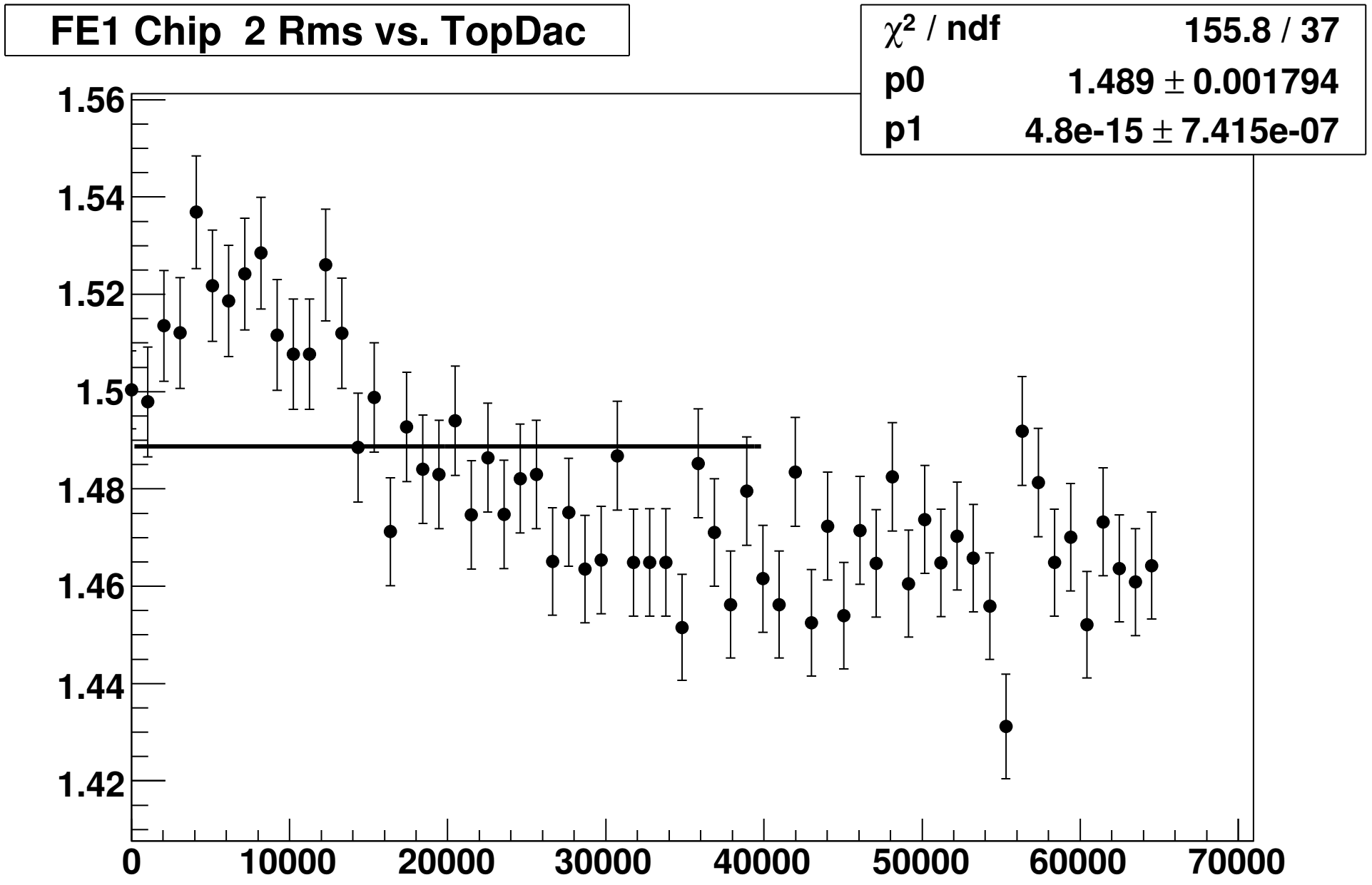

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 2.298e+04 / 37
p0 45.18 ± 0.005099
p1 -5.662e-05 ± 2.165e-07
47
46.5
46
45.5
45
44.5
44
43.5
43
0
10000
20000
30000
40000
50000
60000
70000

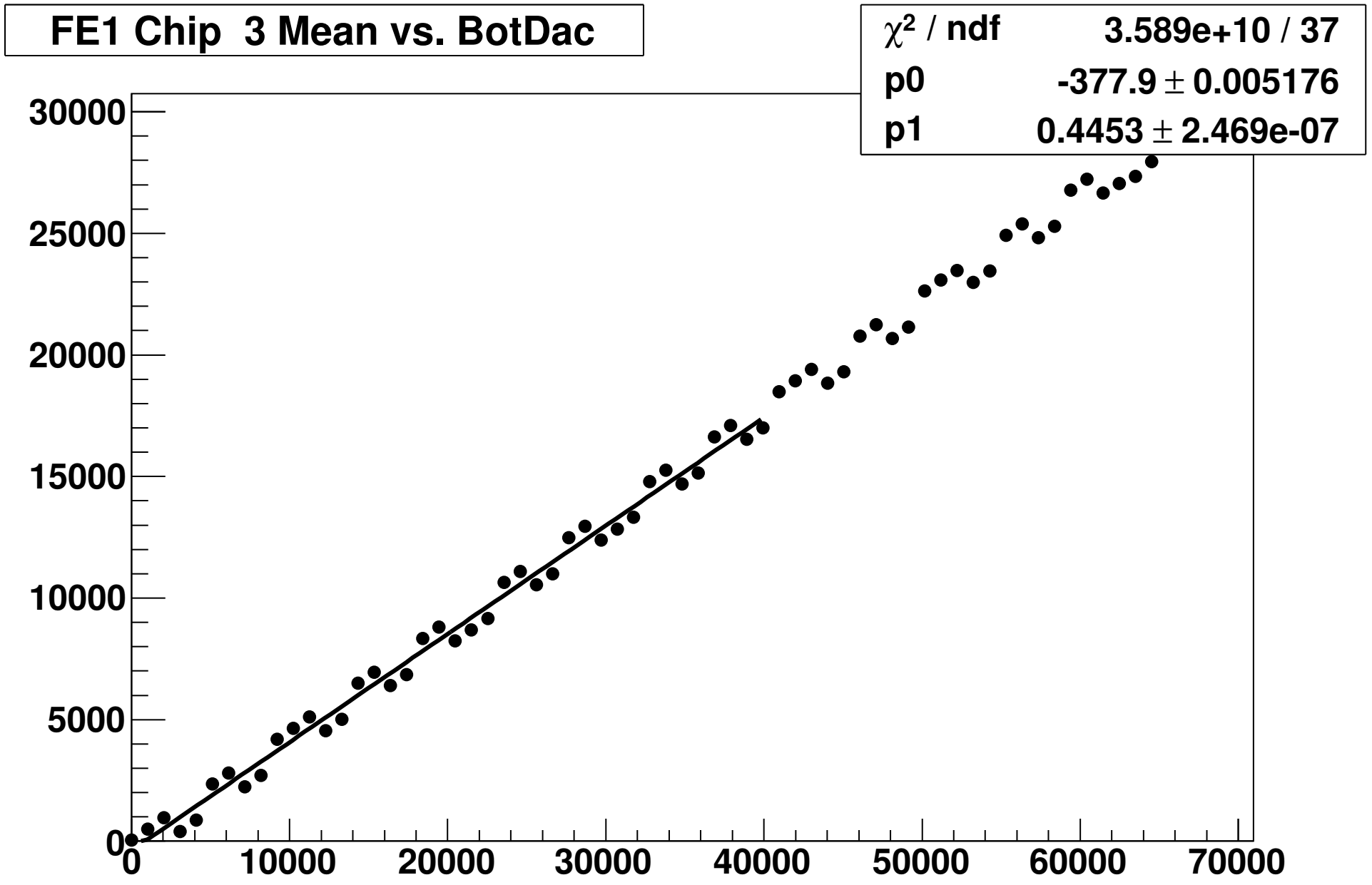

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 74.28 / 37
p0 1.474 ± 0.001776
p1 1.102e-15 ± 1.578e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

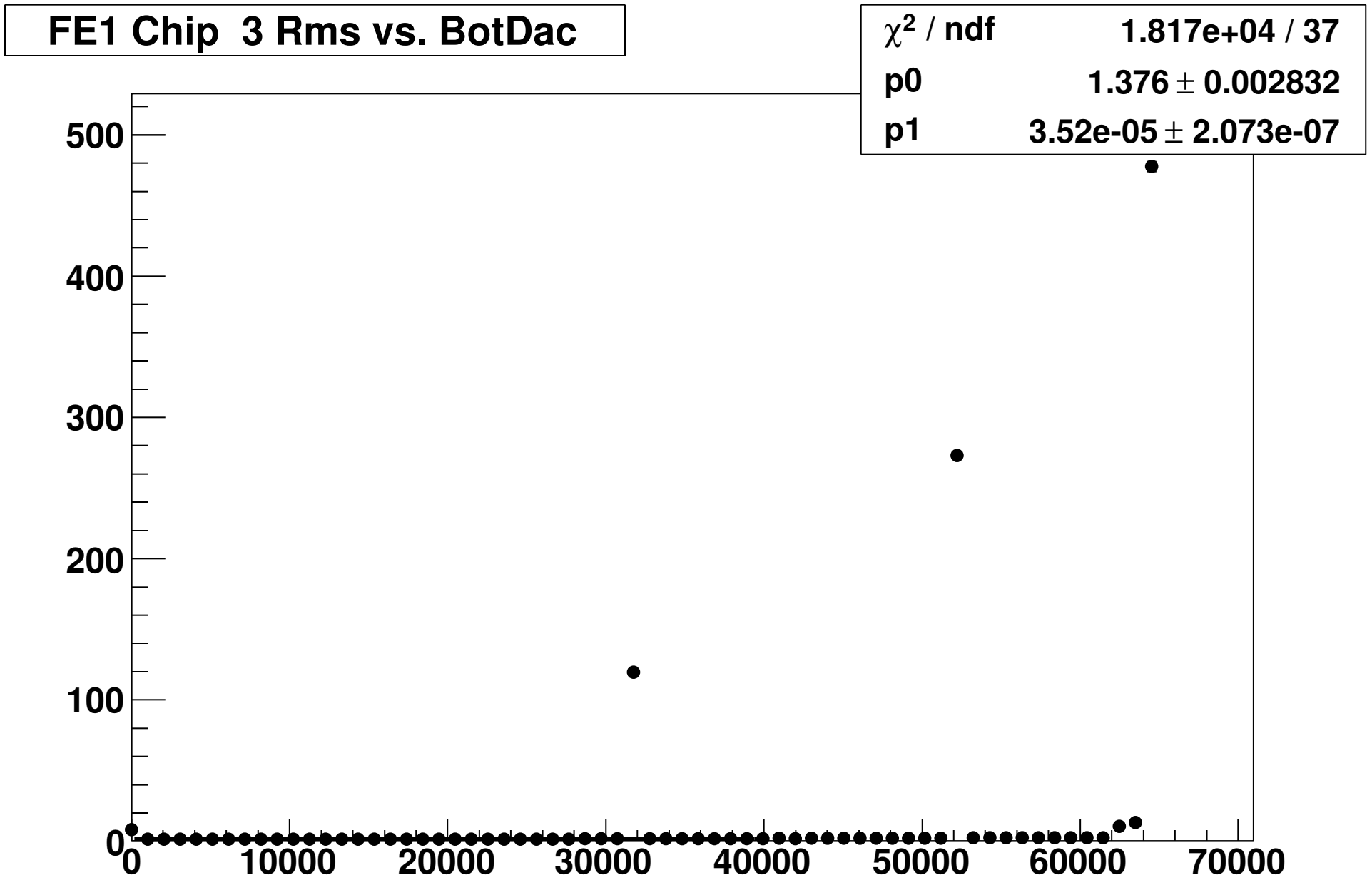

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.165e+04 / 37
p0 46.24 ± 0.0052
p1 0.4501 ± 2.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

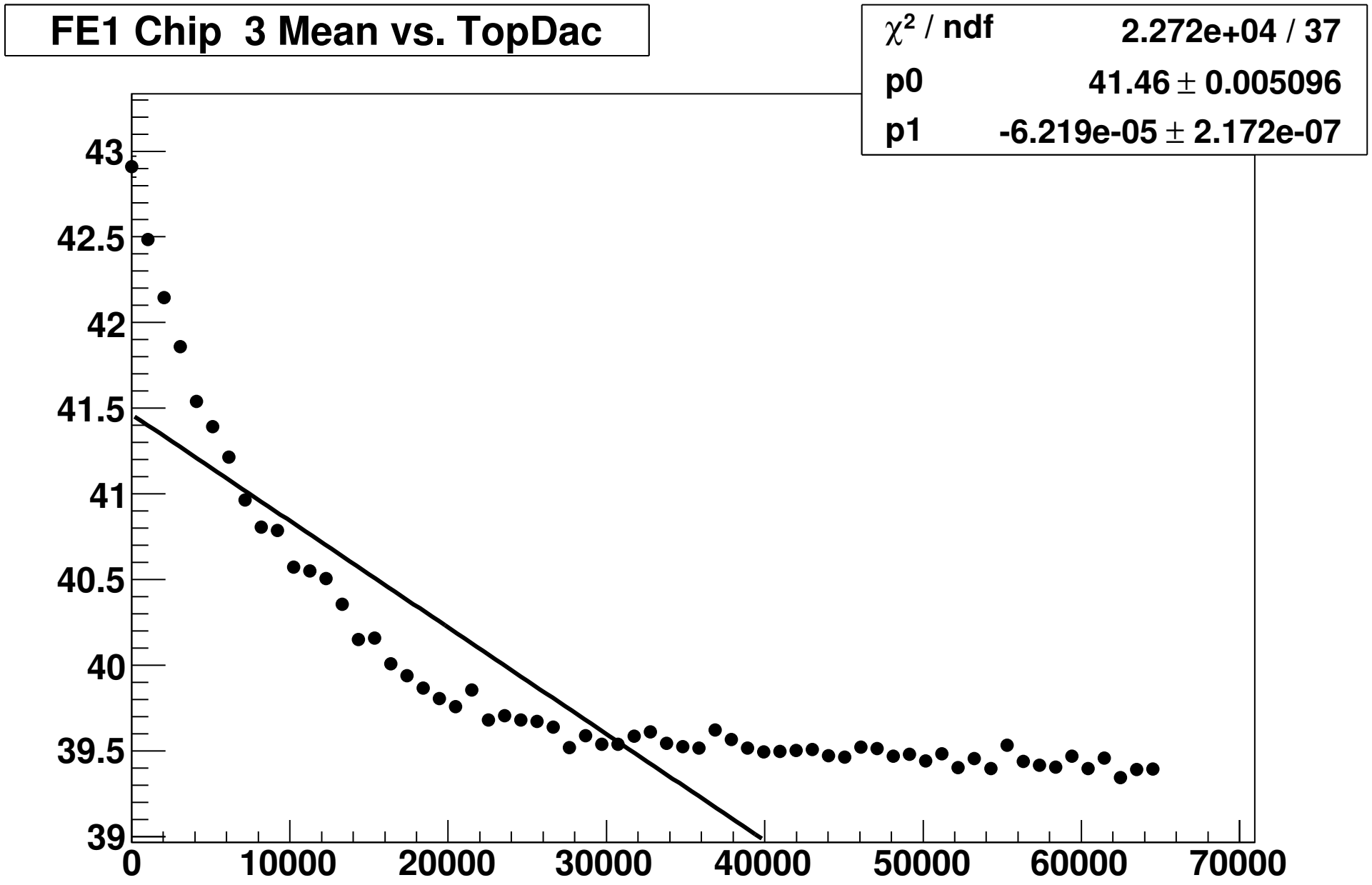

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1040 / 37
p0 1.383 ± 0.002846
p1 3.525e-05 ± 2.051e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

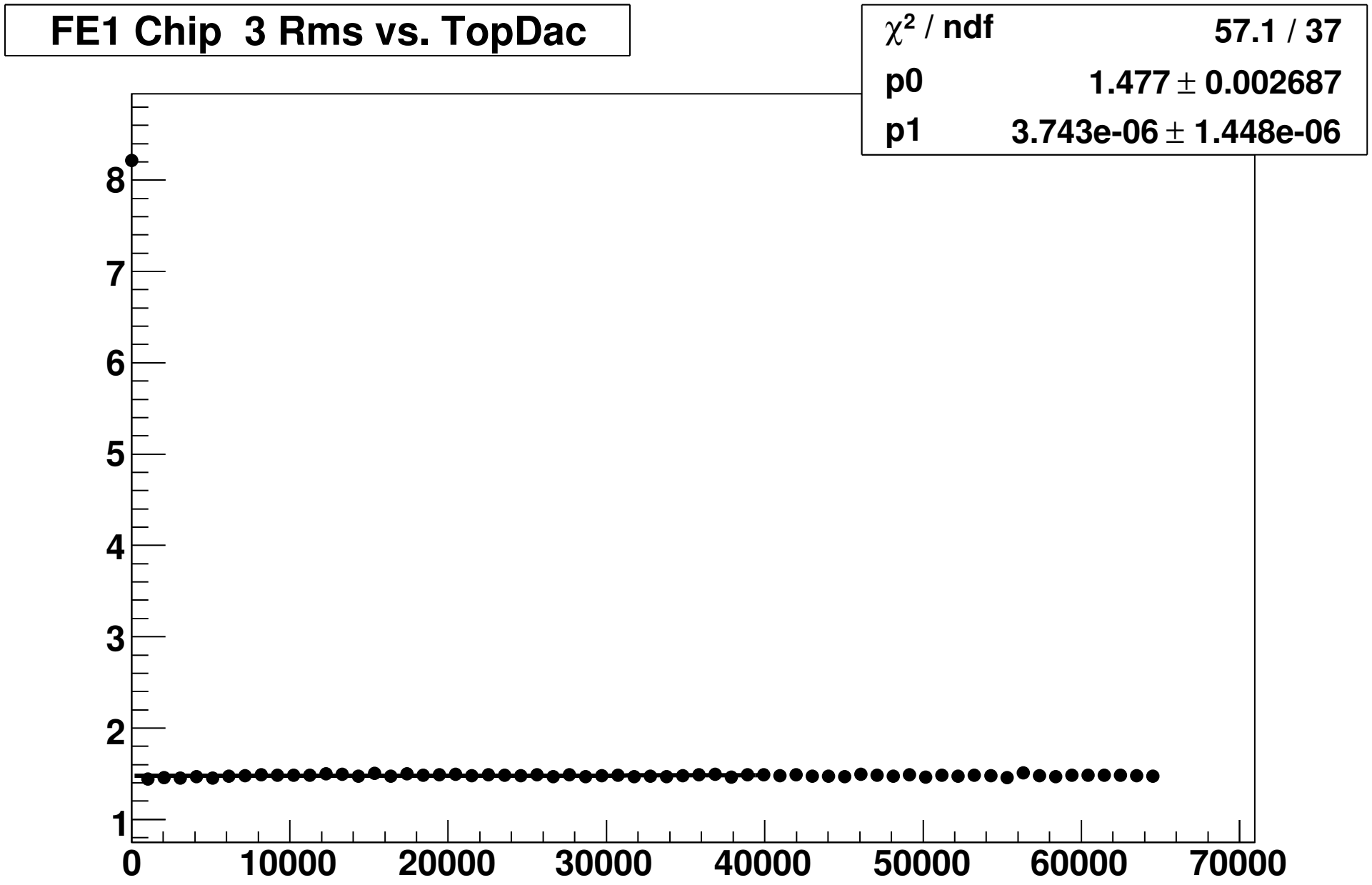

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 2.237e+04 / 37
p0 44.53 ± 0.00522
p1 -5.993e-05 ± 2.198e-07
46
45.5
45
44.5
44
43.5
43
42.5
0
10000
20000
30000
40000
50000
60000
70000

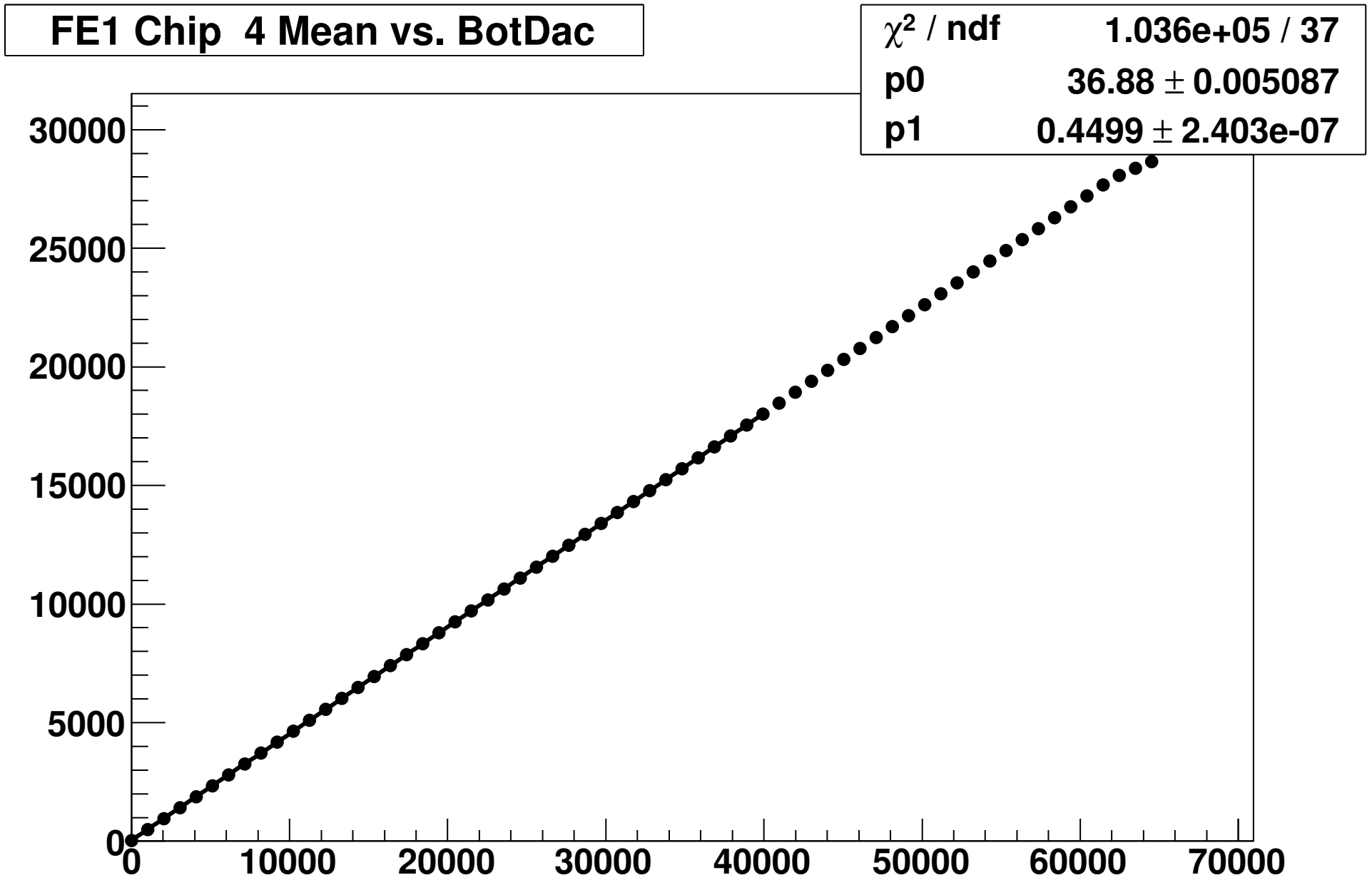

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 155.8 / 37
p0 1.489 ± 0.001794
p1 4.8e-15 ± 7.415e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

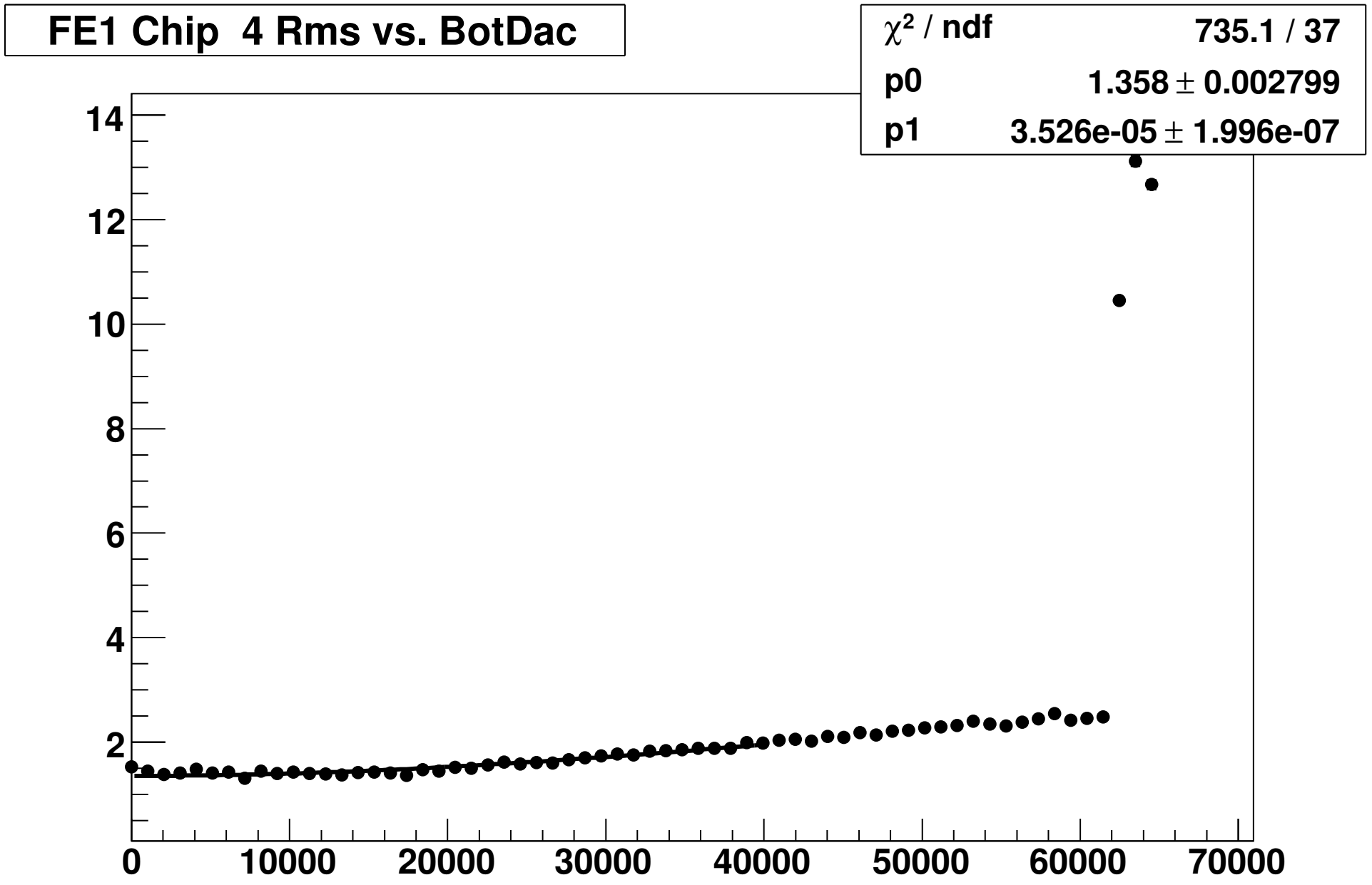

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 3.589e+10 / 37
p0 -377.9 ± 0.005176
p1 0.4453 ± 2.469e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

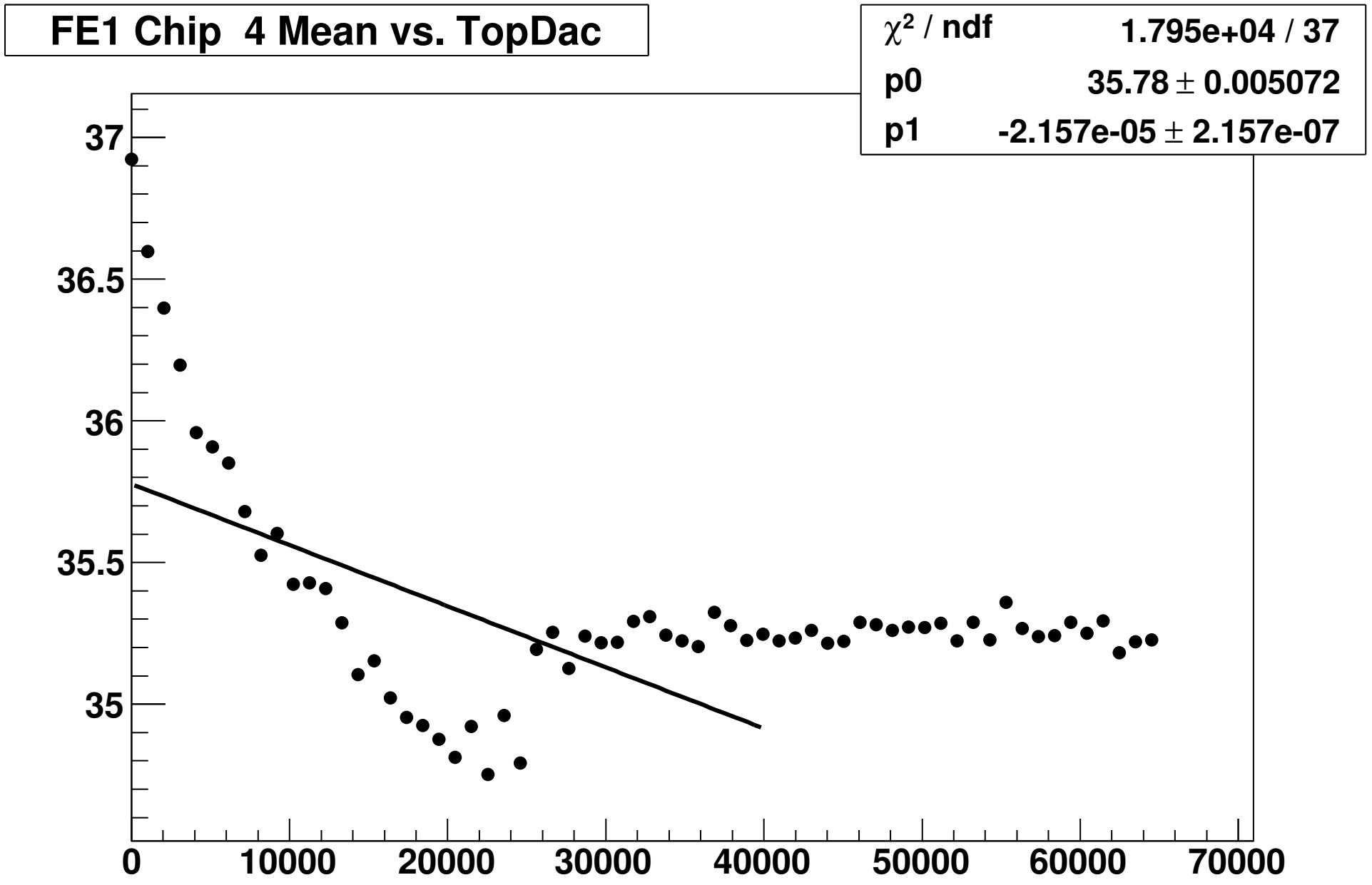

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 1.817e+04 / 37
p0 1.376 ± 0.002832
p1 3.52e-05 ± 2.073e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

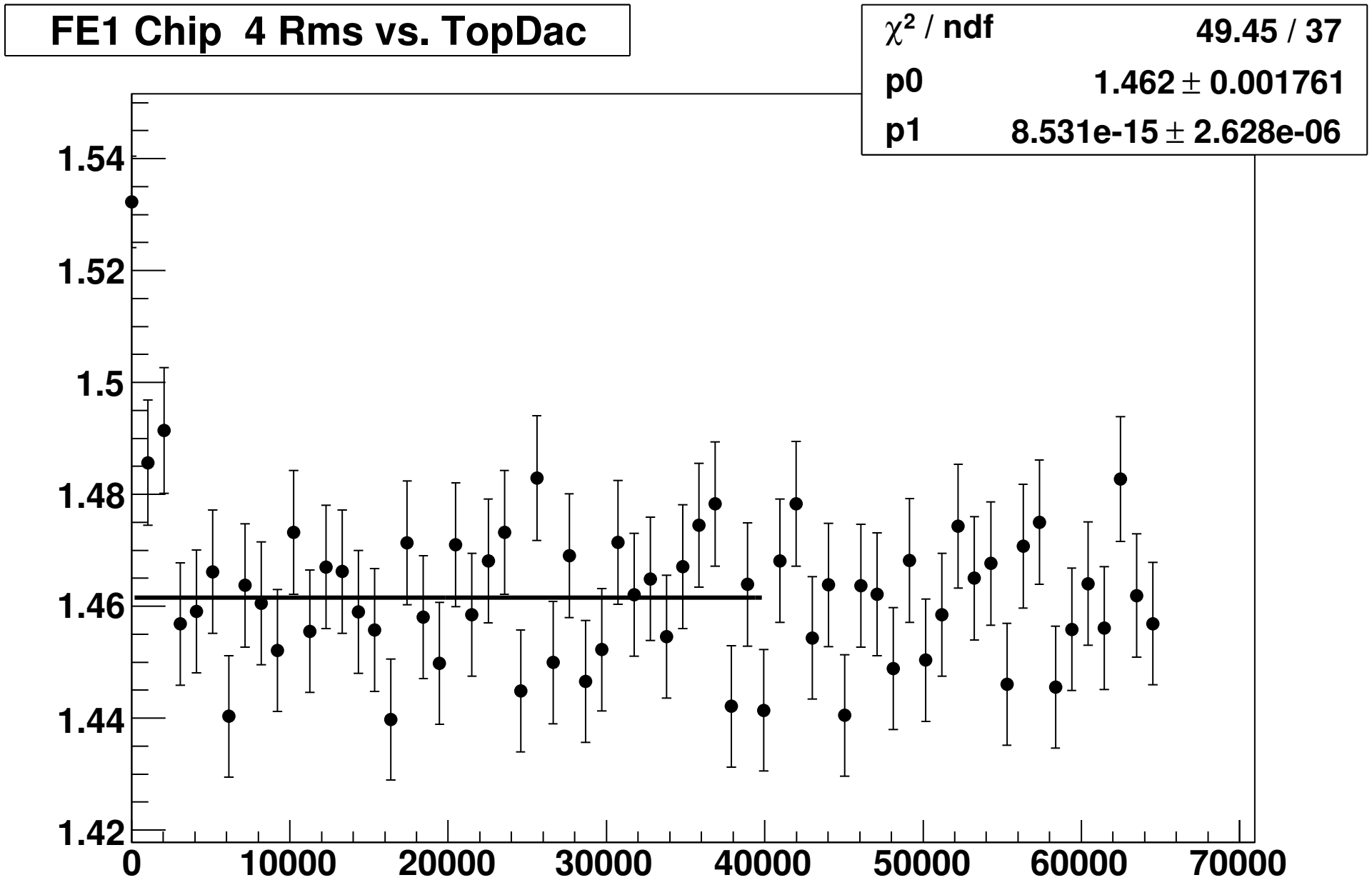

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 2.272e+04 / 37
p0 41.46 ± 0.005096
p1 -6.219e-05 ± 2.172e-07
43
42.5
42
41.5
41
40.5
40
39.5
39
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 57.1 / 37
p0 1.477 ± 0.002687
p1 3.743e-06 ± 1.448e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.036e+05 / 37
p0 36.88 ± 0.005087
p1 0.4499 ± 2.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 735.1 / 37
p0 1.358 ± 0.002799
p1 3.526e-05 ± 1.996e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 1.795e+04 / 37
p0 35.78 ± 0.005072
p1 -2.157e-05 ± 2.157e-07
37
36.5
36
35.5
35
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 49.45 / 37
p0 1.462 ± 0.001761
p1 8.531e-15 ± 2.628e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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20000
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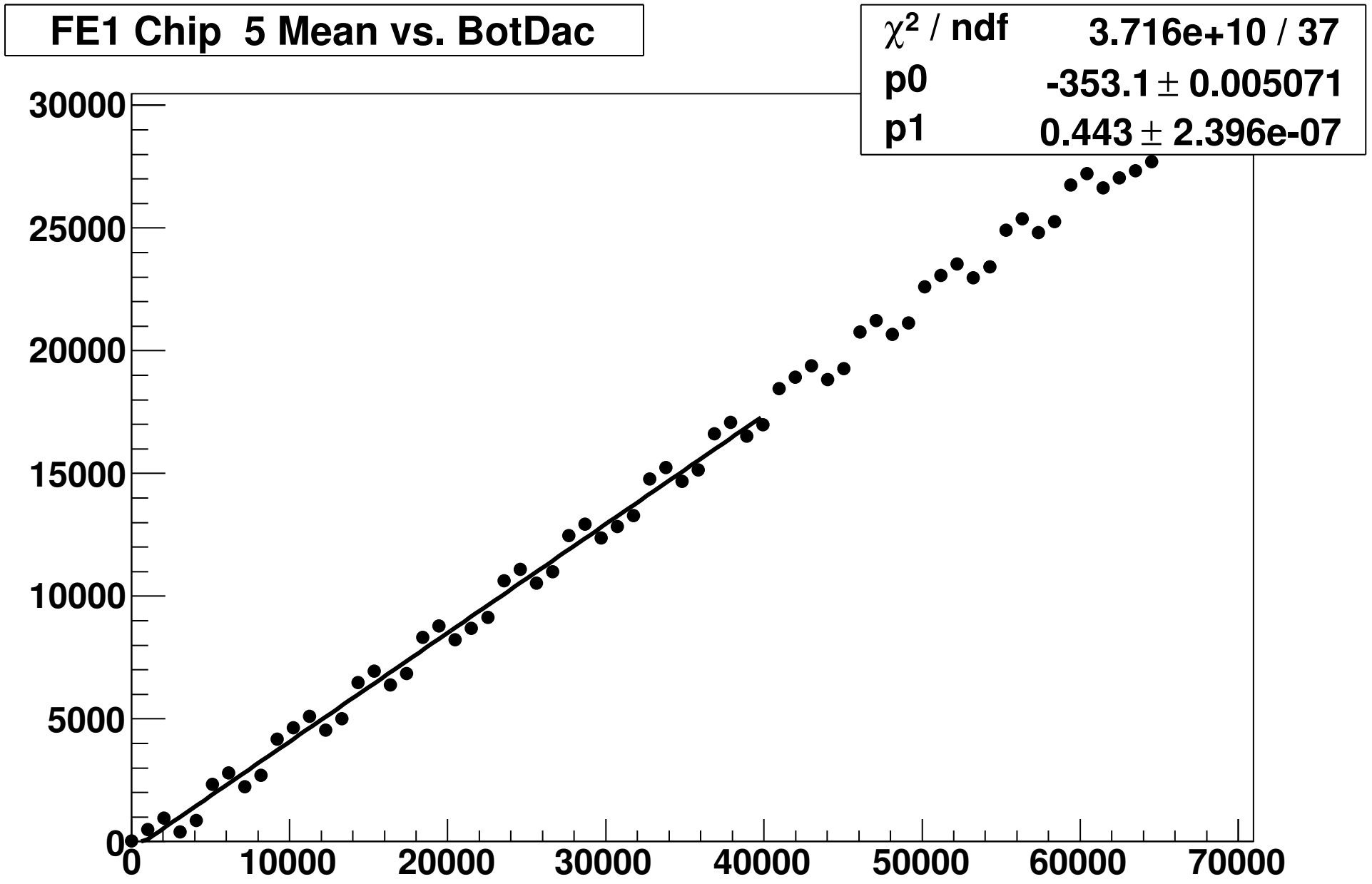
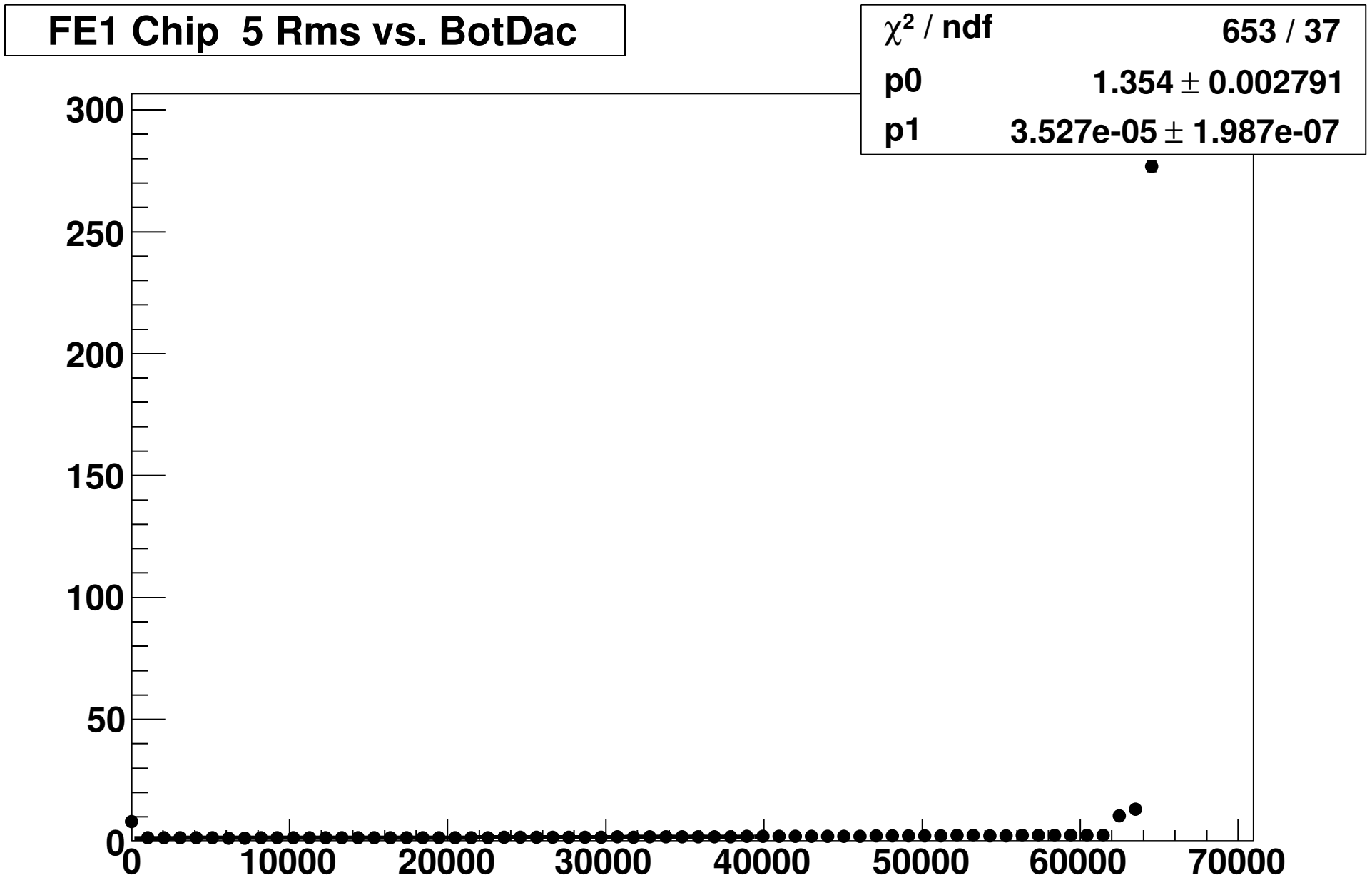
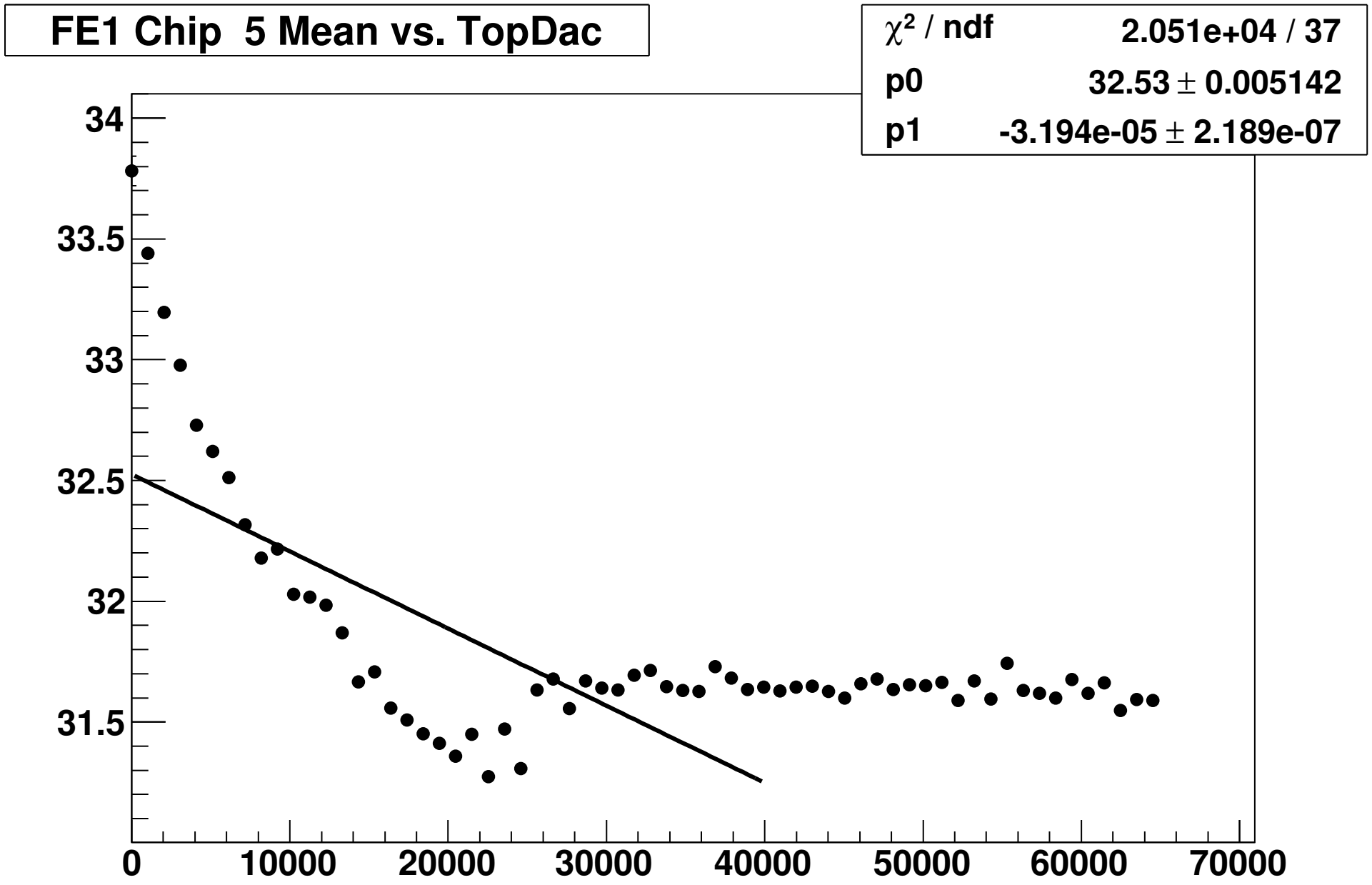
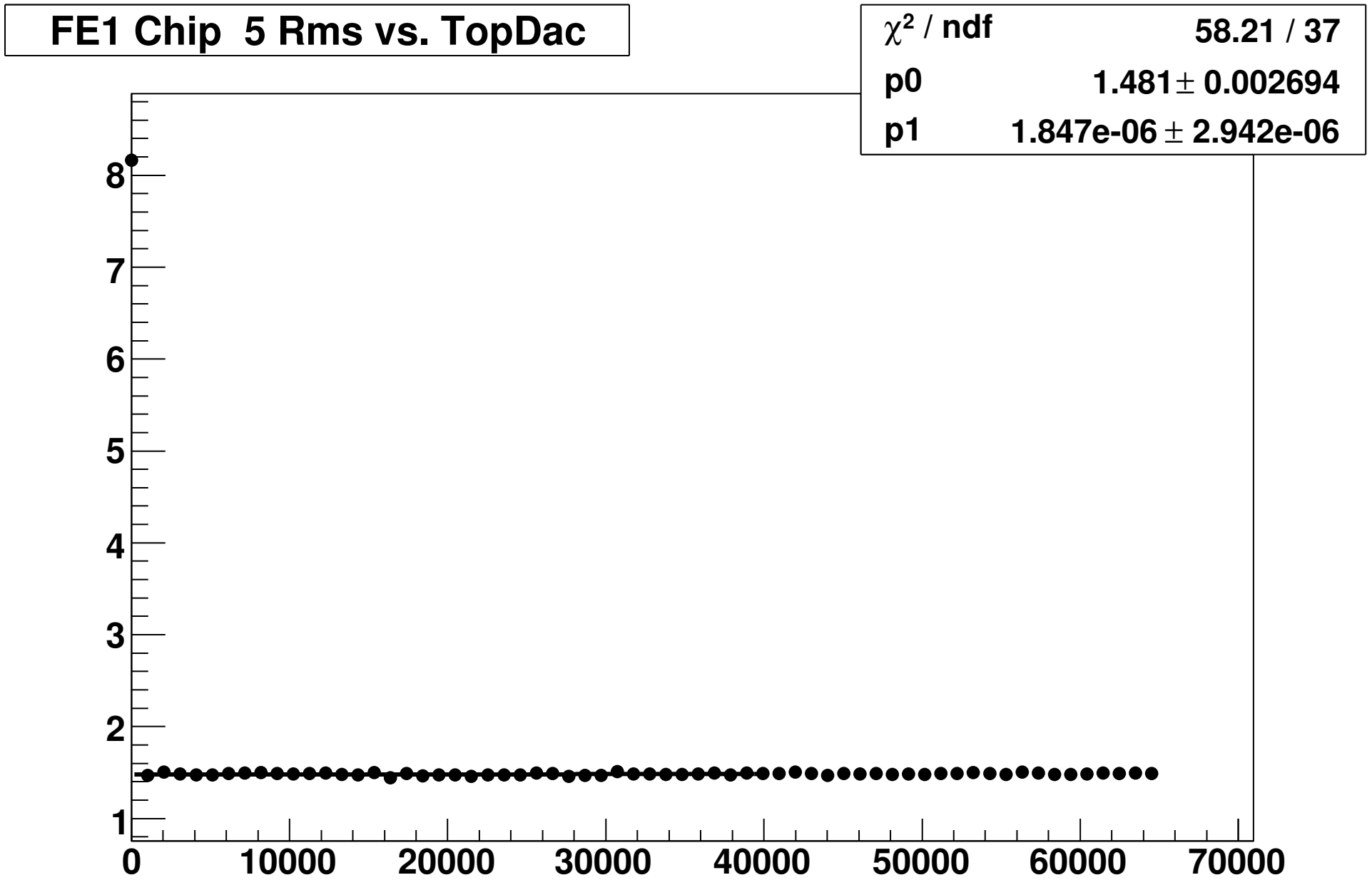
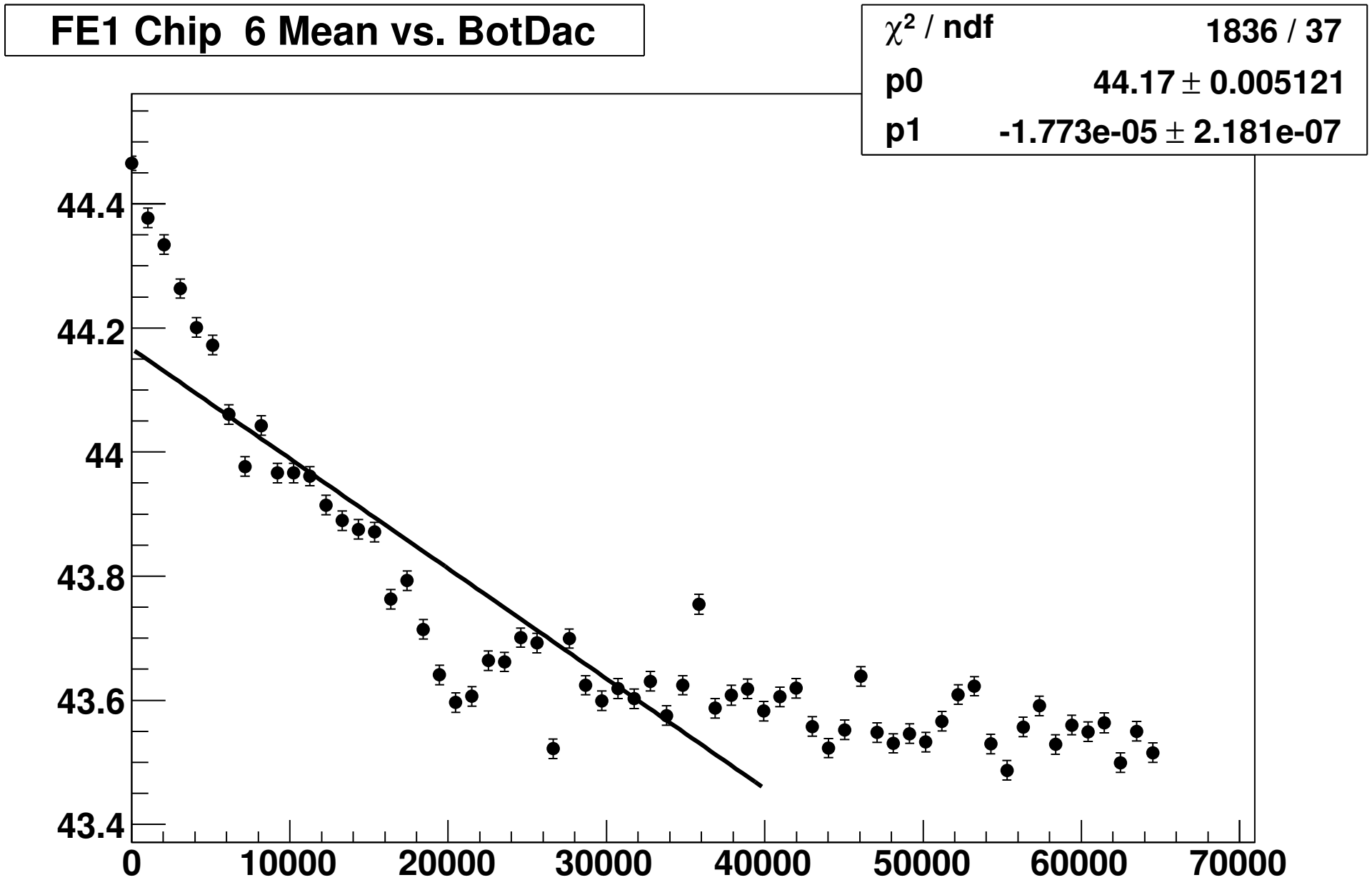
70000

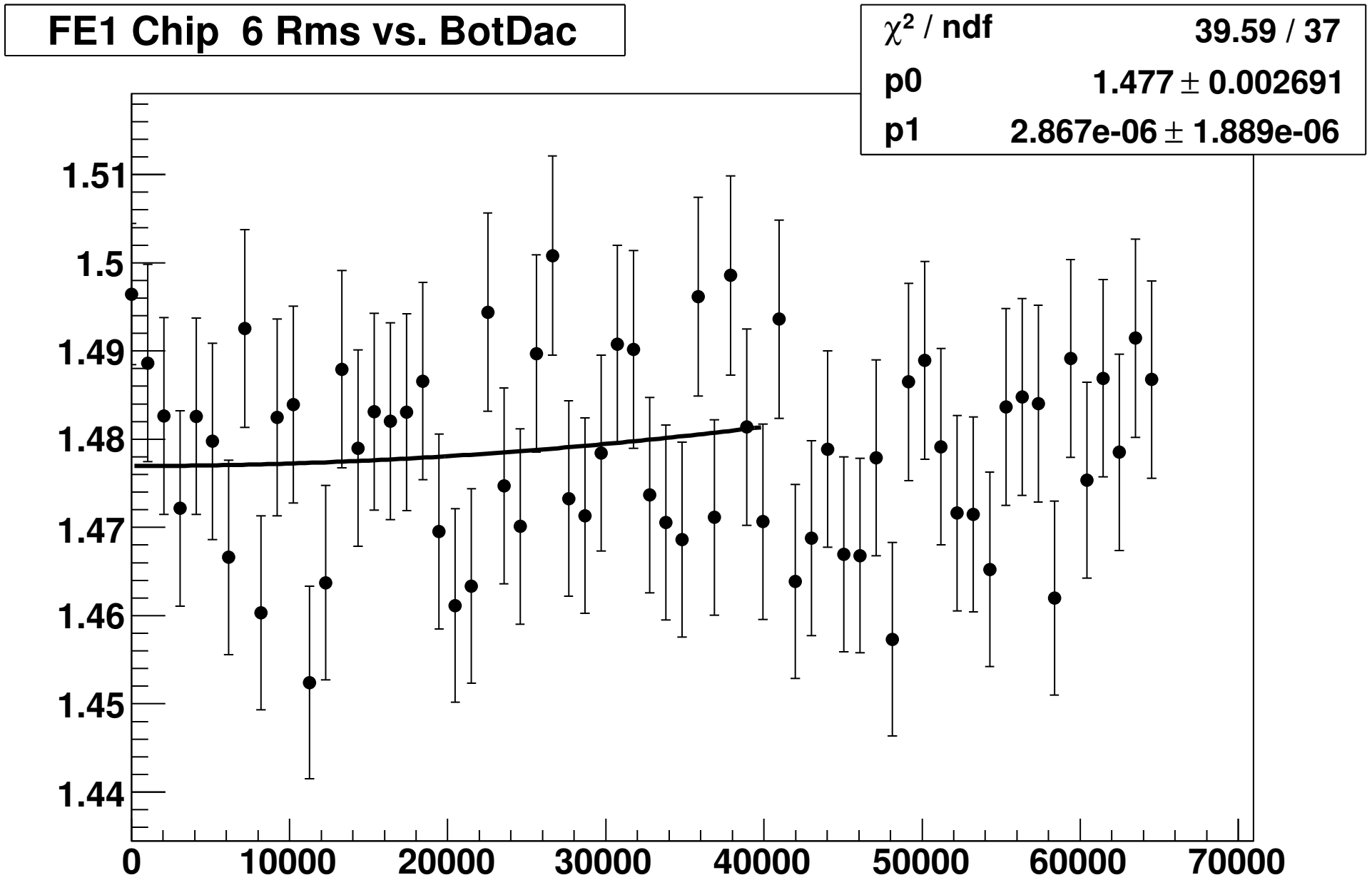

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 3.716e+10 / 37
p0 -353.1 ± 0.005071
p1 0.443 ± 2.396e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 653 / 37
p0 1.354 ± 0.002791
p1 3.527e-05 ± 1.987e-07
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 2.051e+04 / 37
p0 32.53 ± 0.005142
p1 -3.194e-05 ± 2.189e-07
34
33.5
33
32.5
32
31.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 58.21 / 37
p0 1.481 ± 0.002694
p1 1.847e-06 ± 2.942e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1836 / 37
p0 44.17 ± 0.005121
p1 -1.773e-05 ± 2.181e-07
44.4
44.2
44
43.8
43.6
43.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 39.59 / 37
p0 1.477 ± 0.002691
p1 2.867e-06 ± 1.889e-06
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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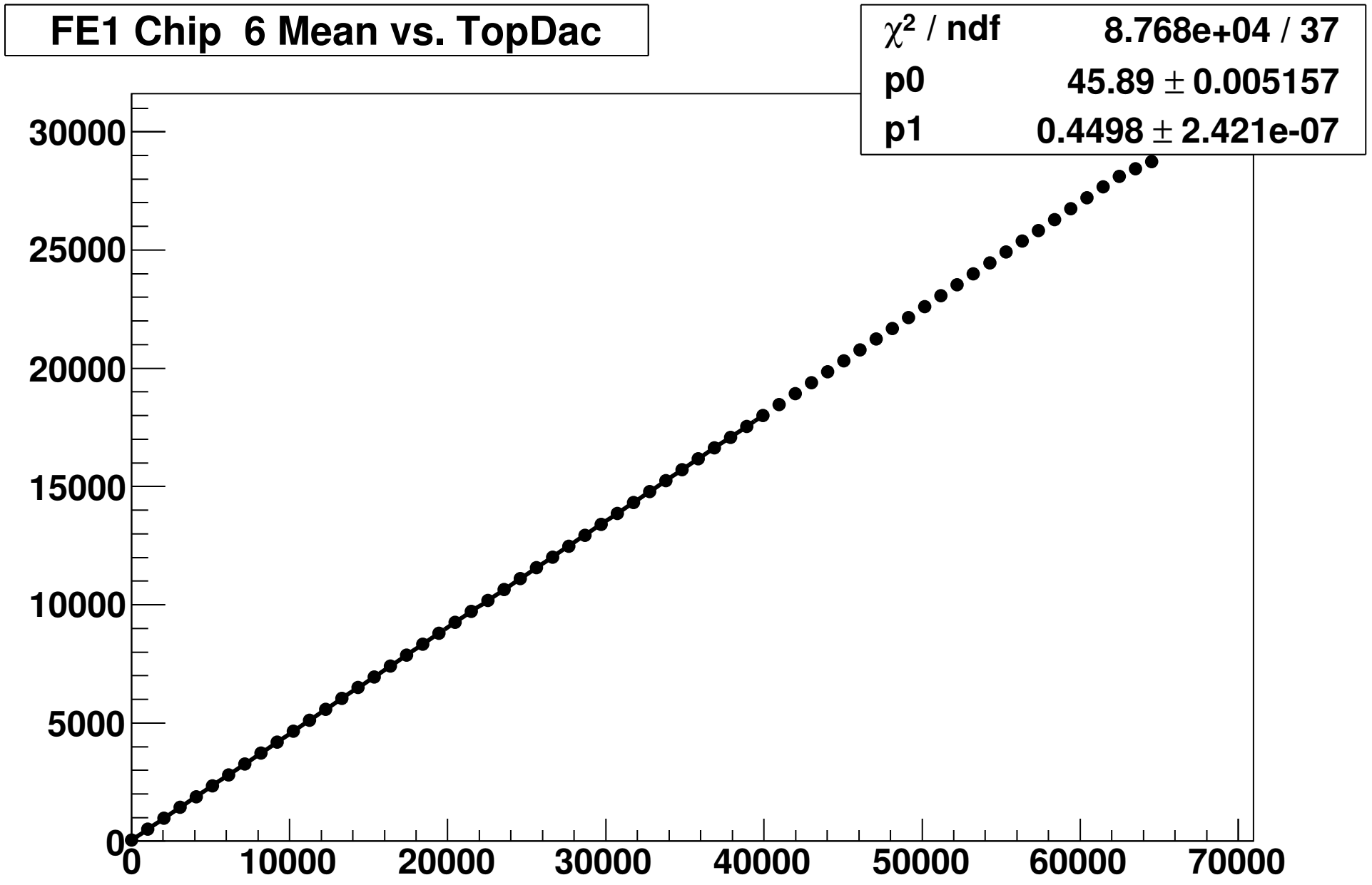
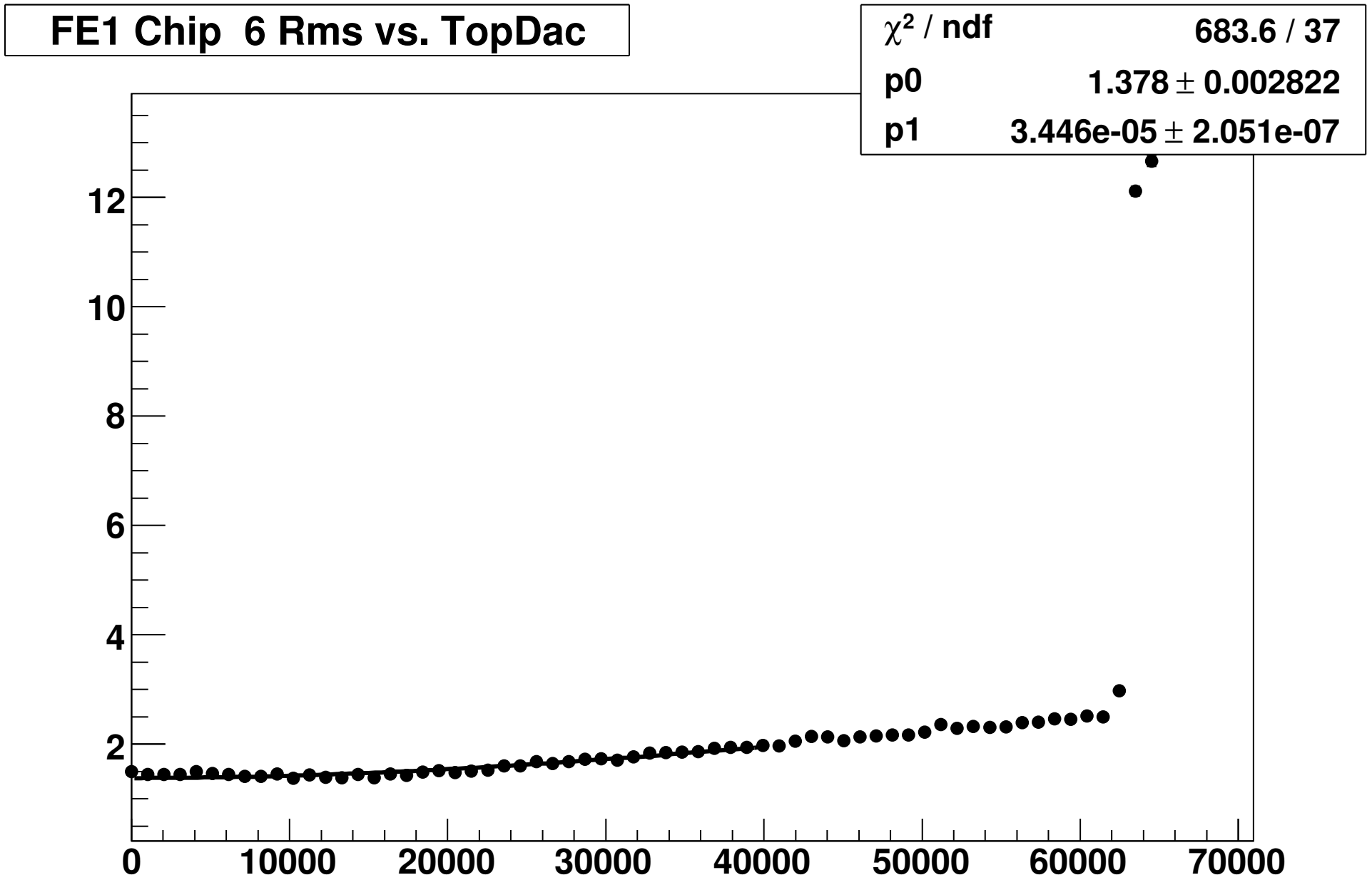
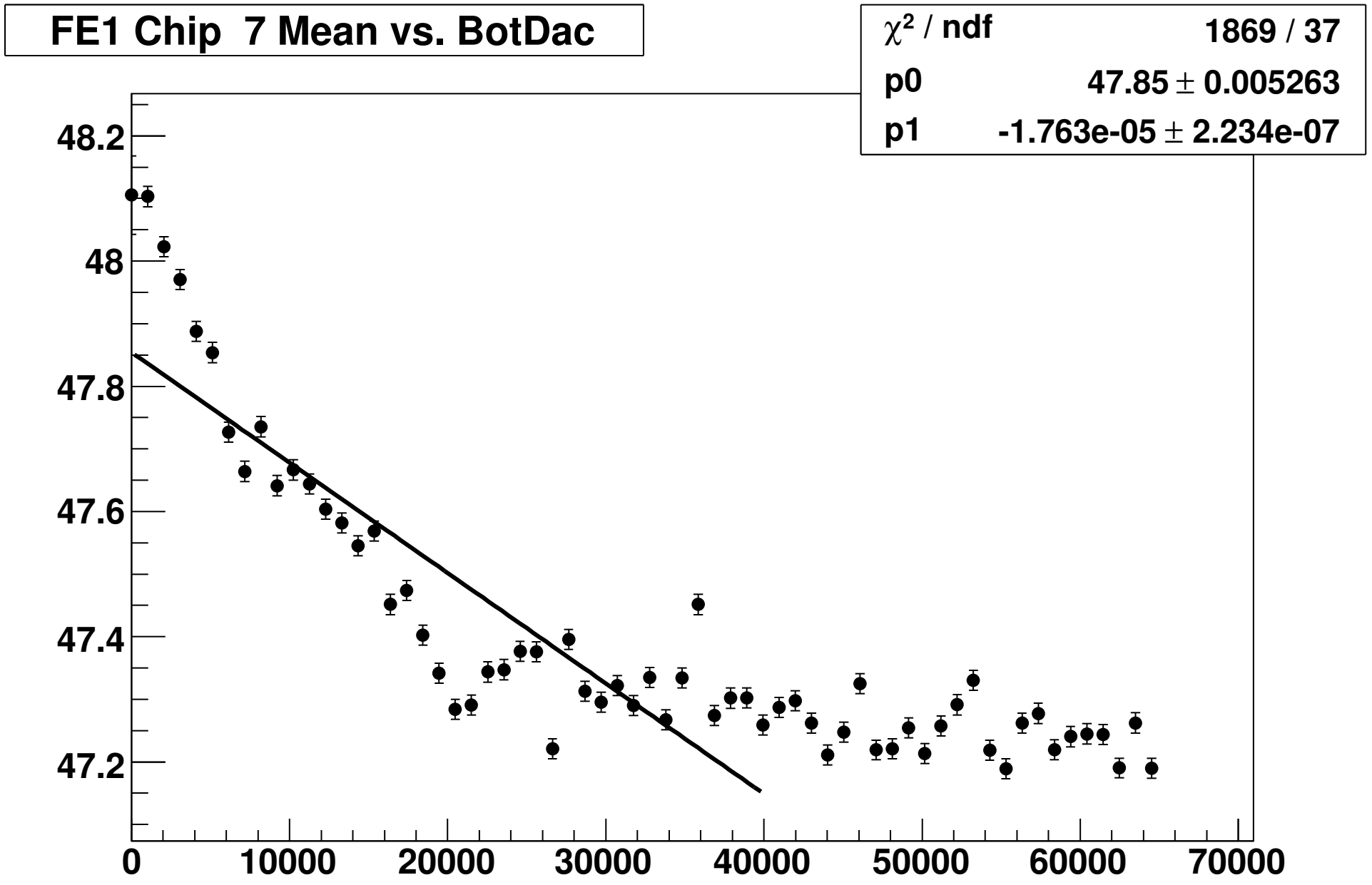
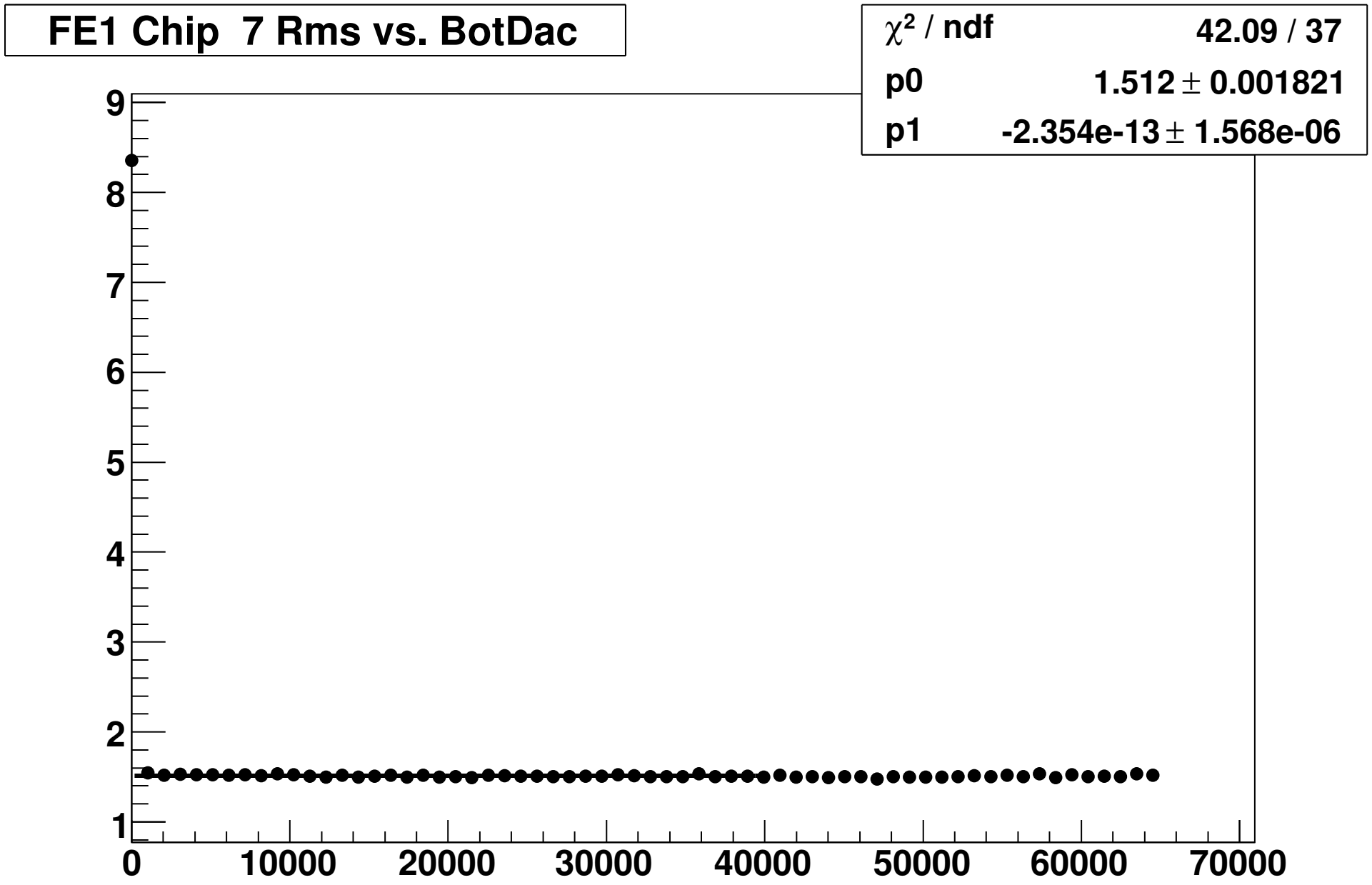
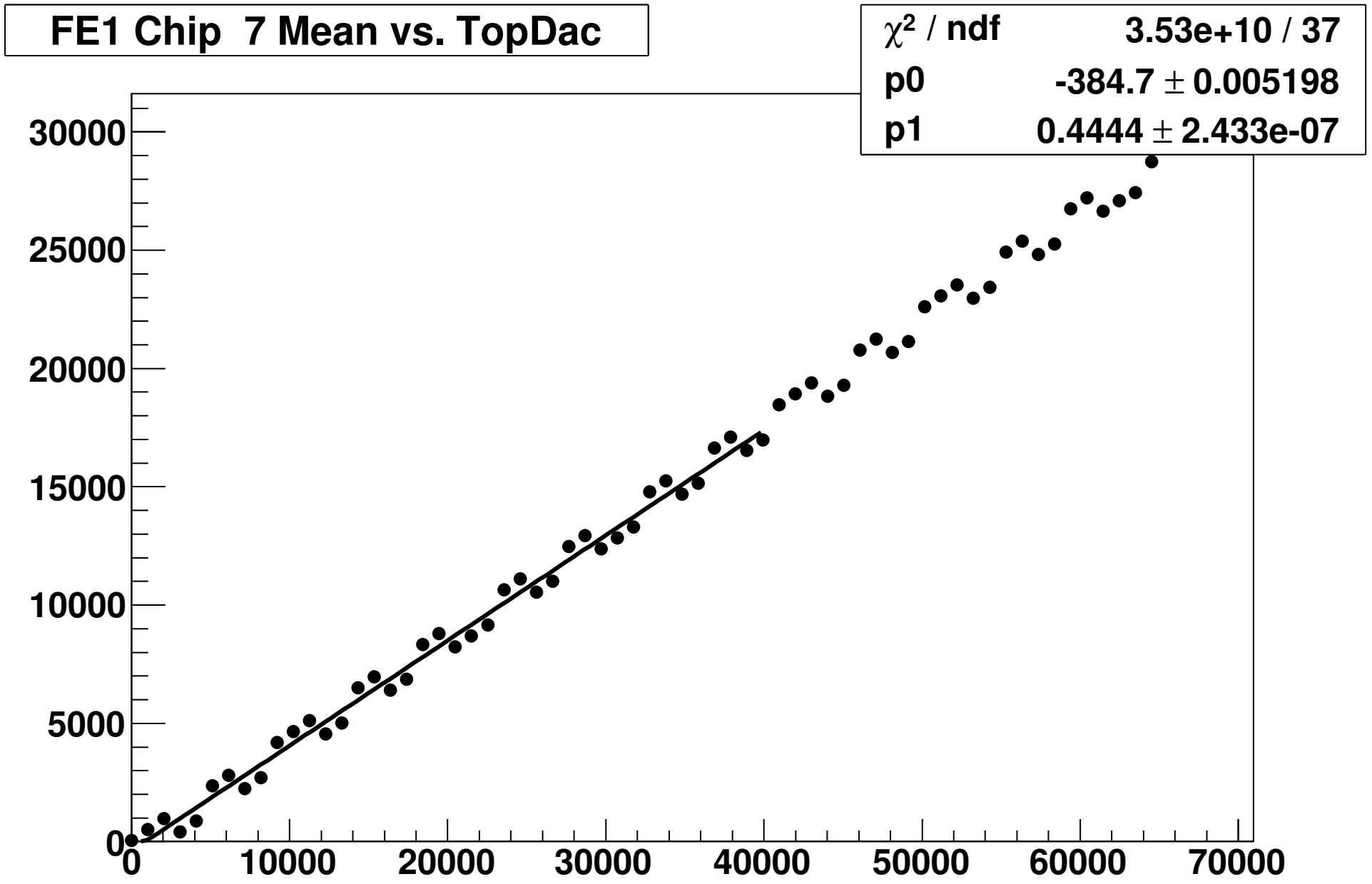
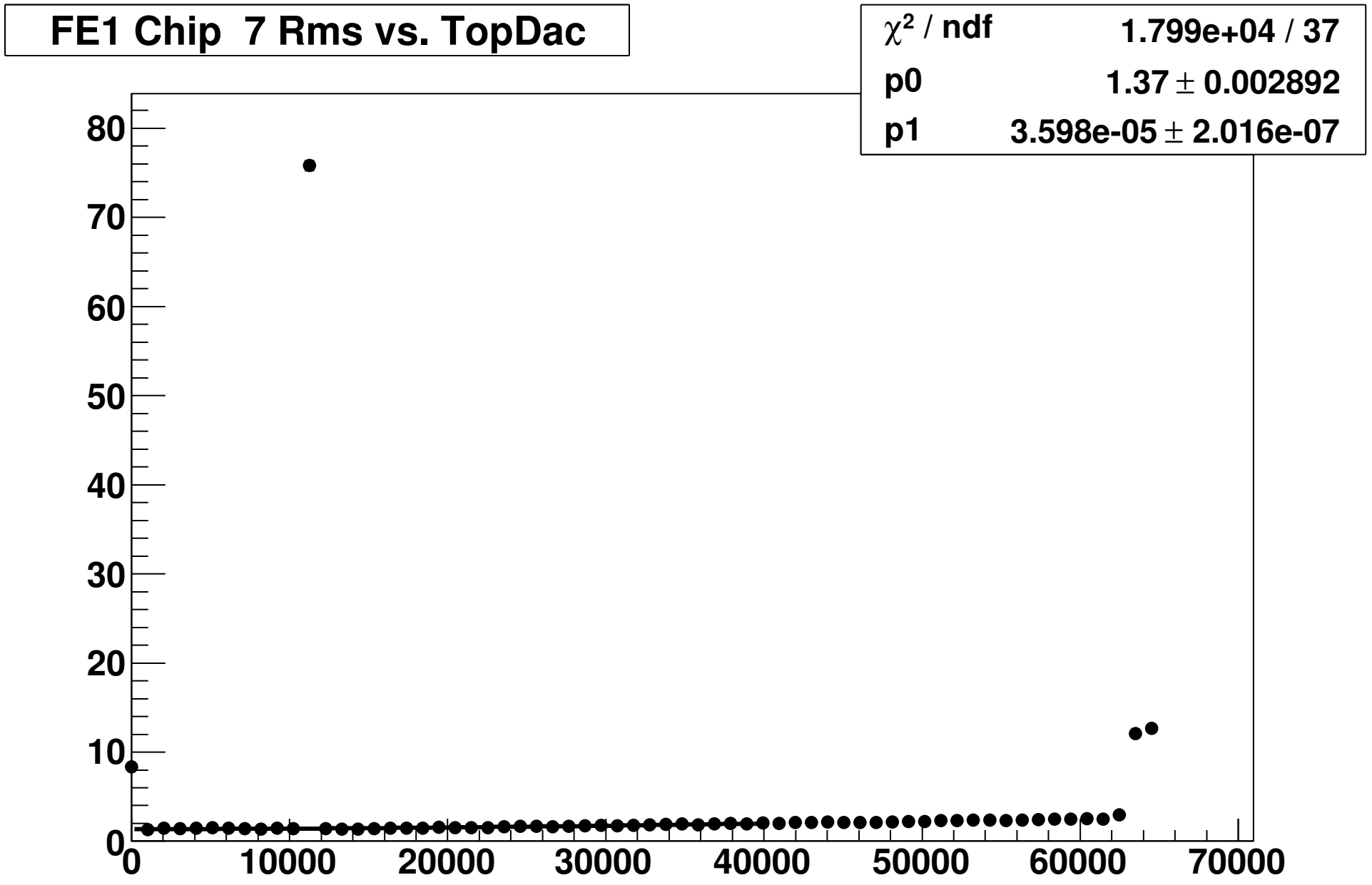

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 8.768e+04 / 37
p0 45.89 ± 0.005157
p1 0.4498 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

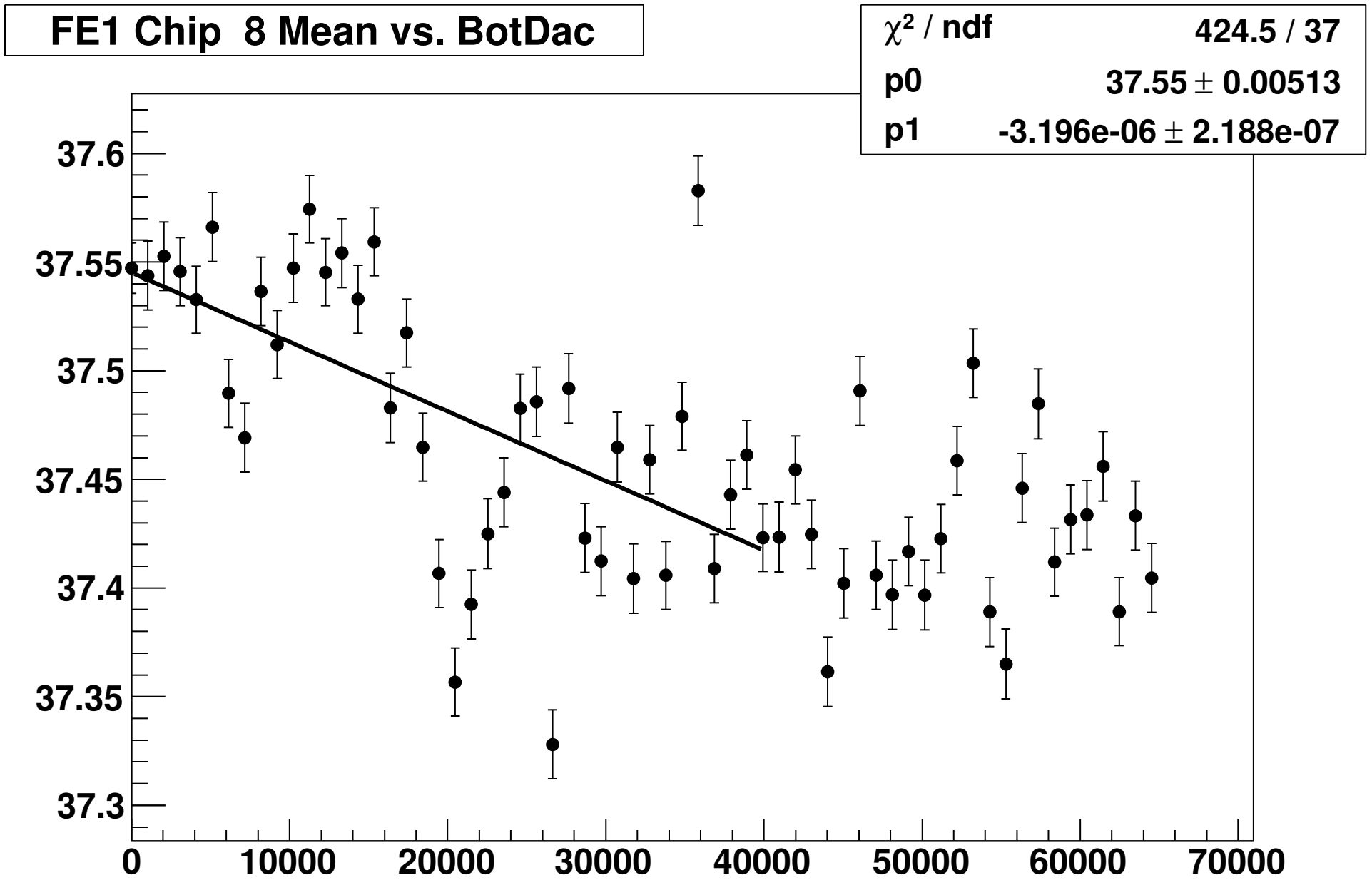

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 683.6 / 37
p0 1.378 ± 0.002822
p1 3.446e-05 ± 2.051e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

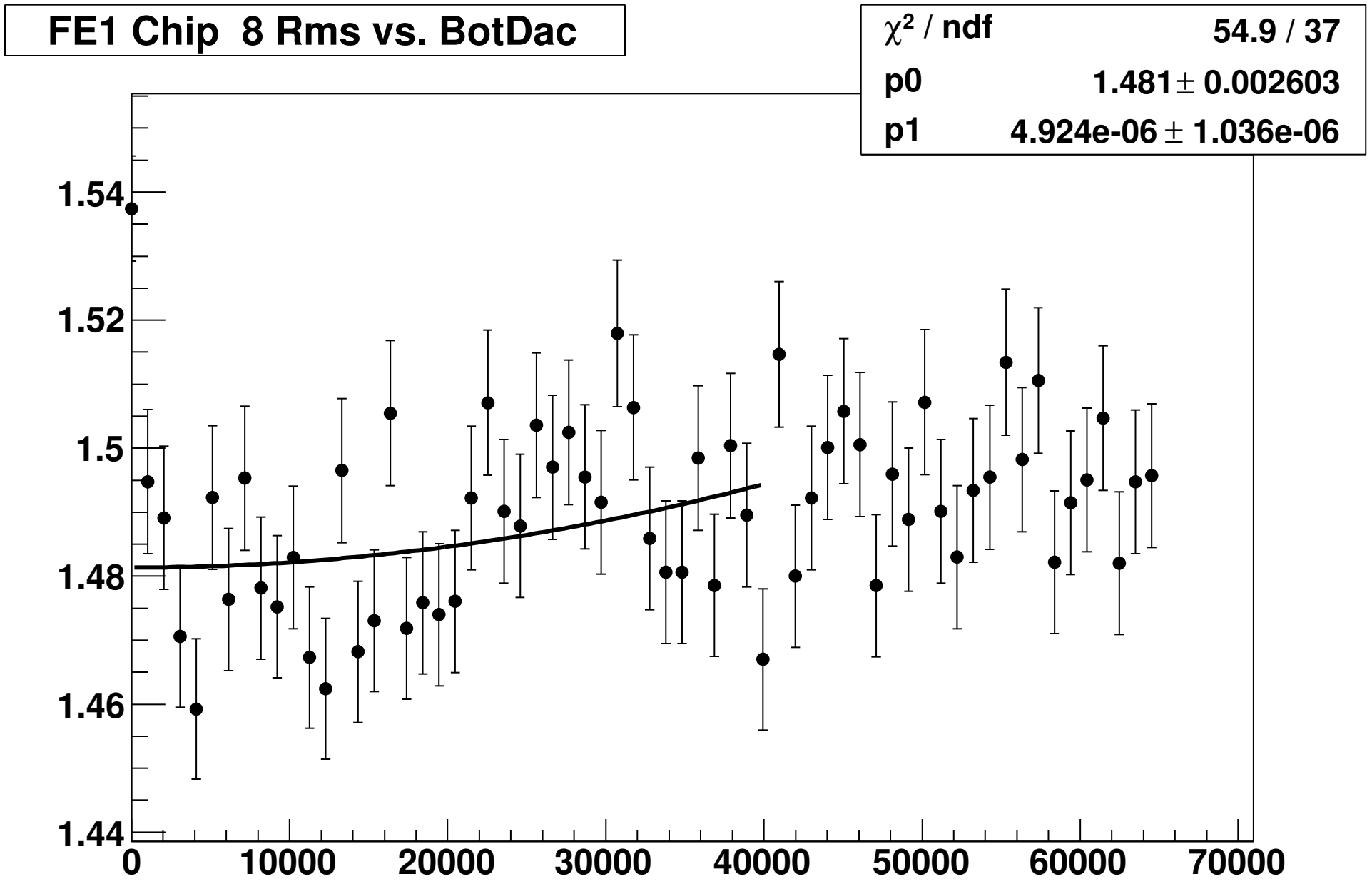

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1869 / 37
p0 47.85 ± 0.005263
p1 -1.763e-05 ± 2.234e-07
48.2
48
47.8
47.6
47.4
47.2
0
10000
20000
30000
40000
50000
60000
70000

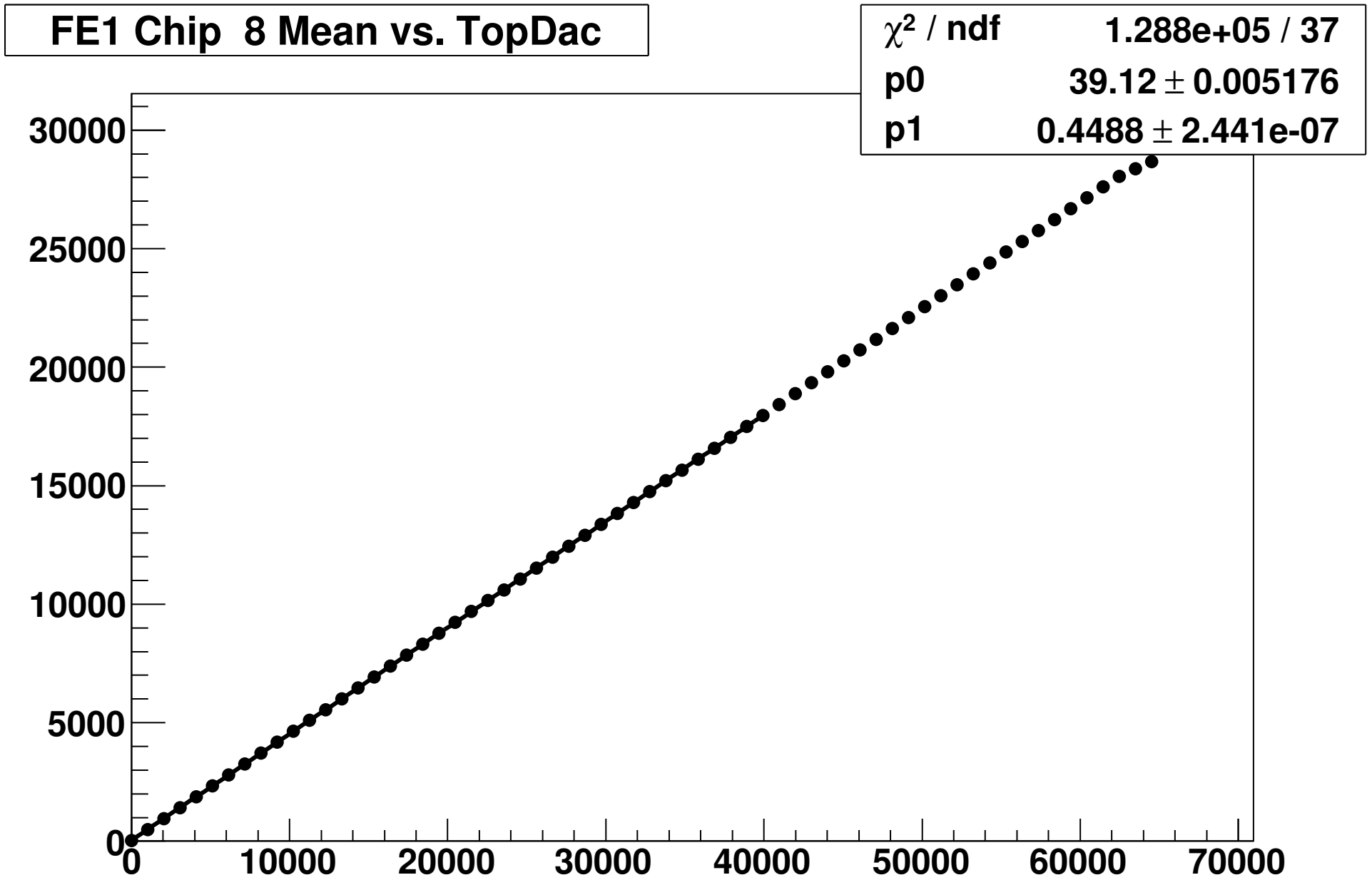

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 42.09 / 37
p0 1.512 ± 0.001821
p1 -2.354e-13 ± 1.568e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

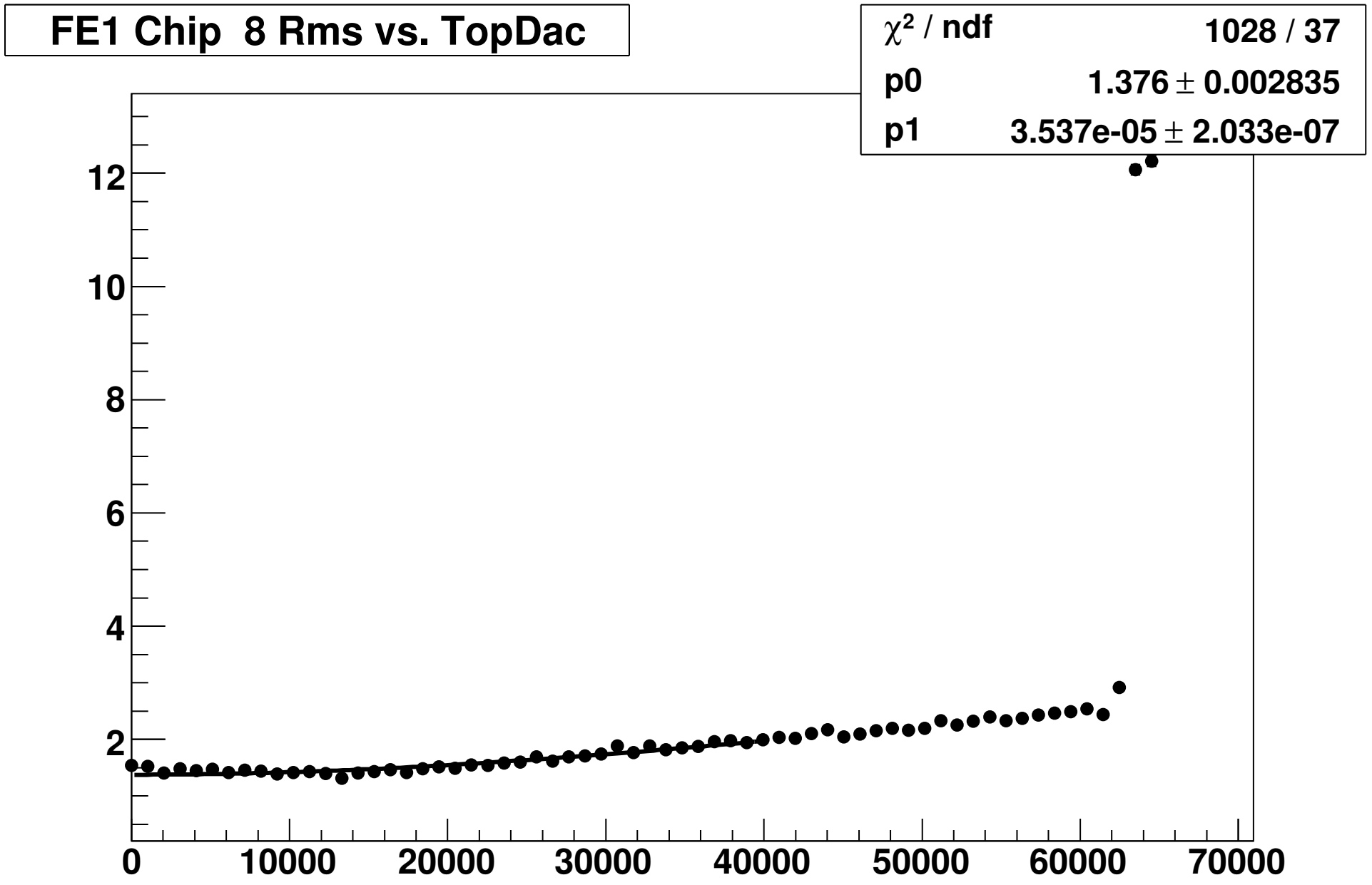

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 3.53e+10 / 37
p0 -384.7 ± 0.005198
p1 0.4444 ± 2.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

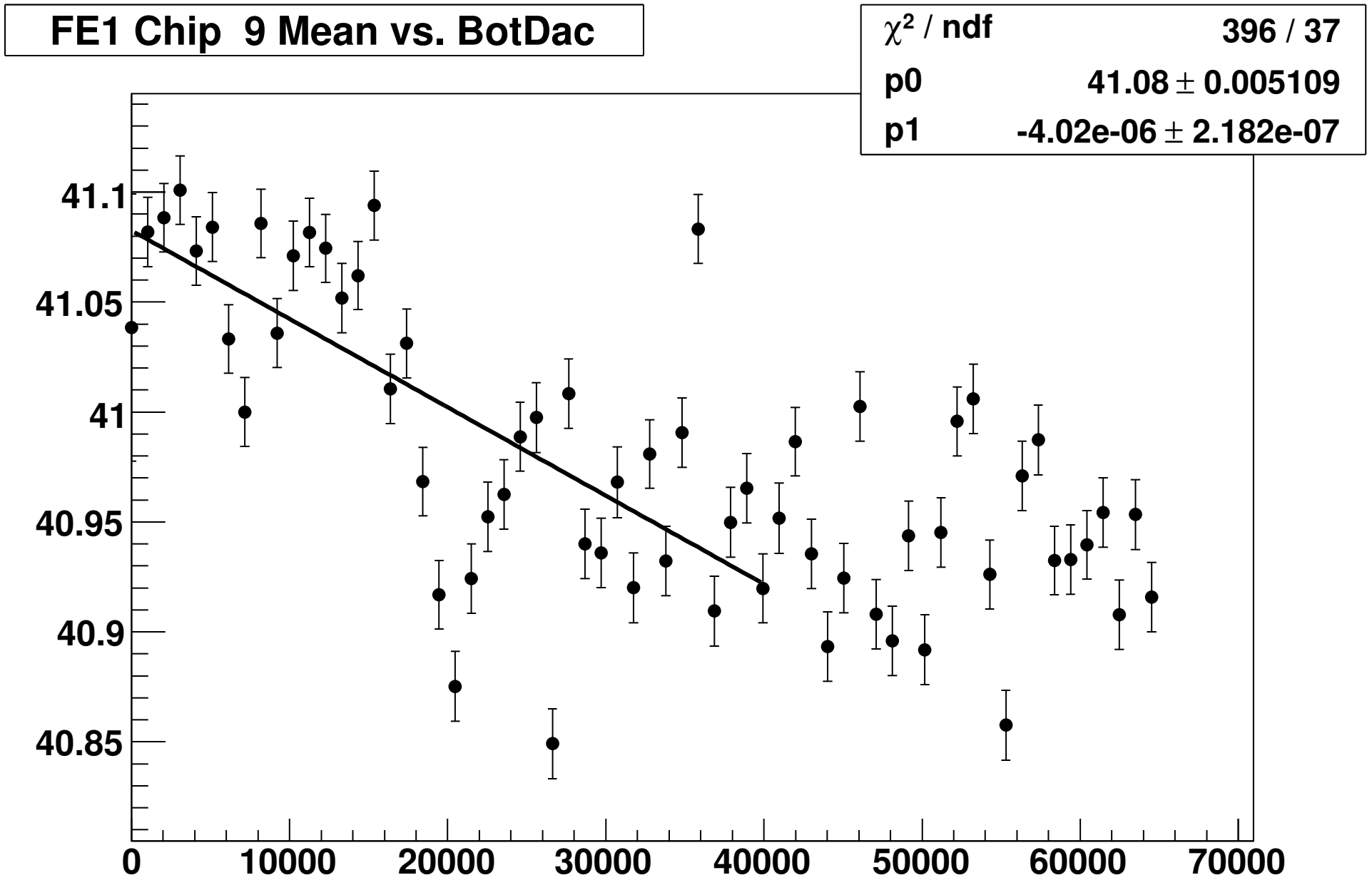

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1.799e+04 / 37
p0 1.37 ± 0.002892
p1 3.598e-05 ± 2.016e-07
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

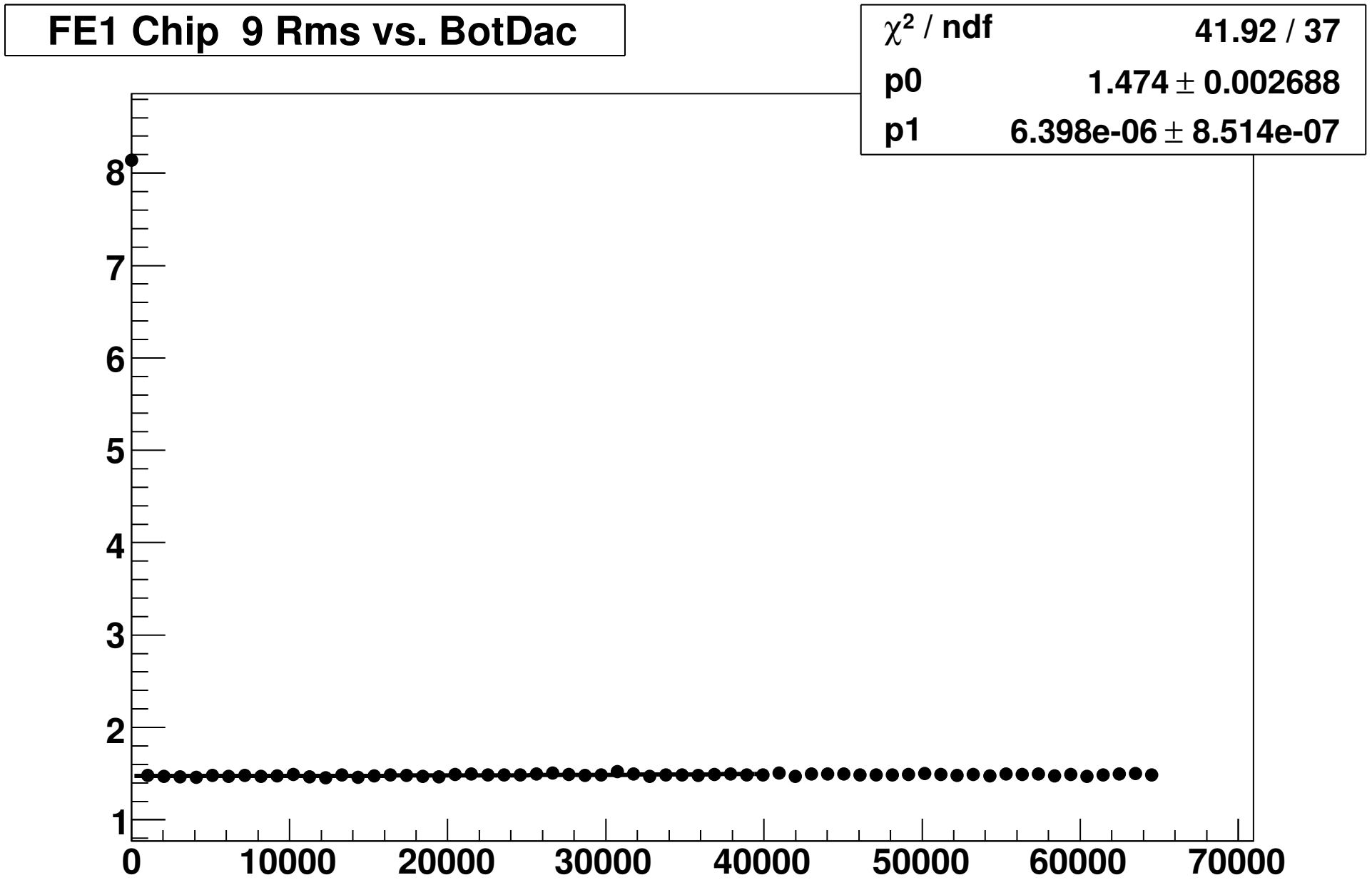

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 424.5 / 37
p0 37.55 ± 0.00513
p1 -3.196e-06 ± 2.188e-07
37.6
37.55
37.5
37.45
37.4
37.35
37.3
0
10000
20000
30000
40000
50000
60000
70000

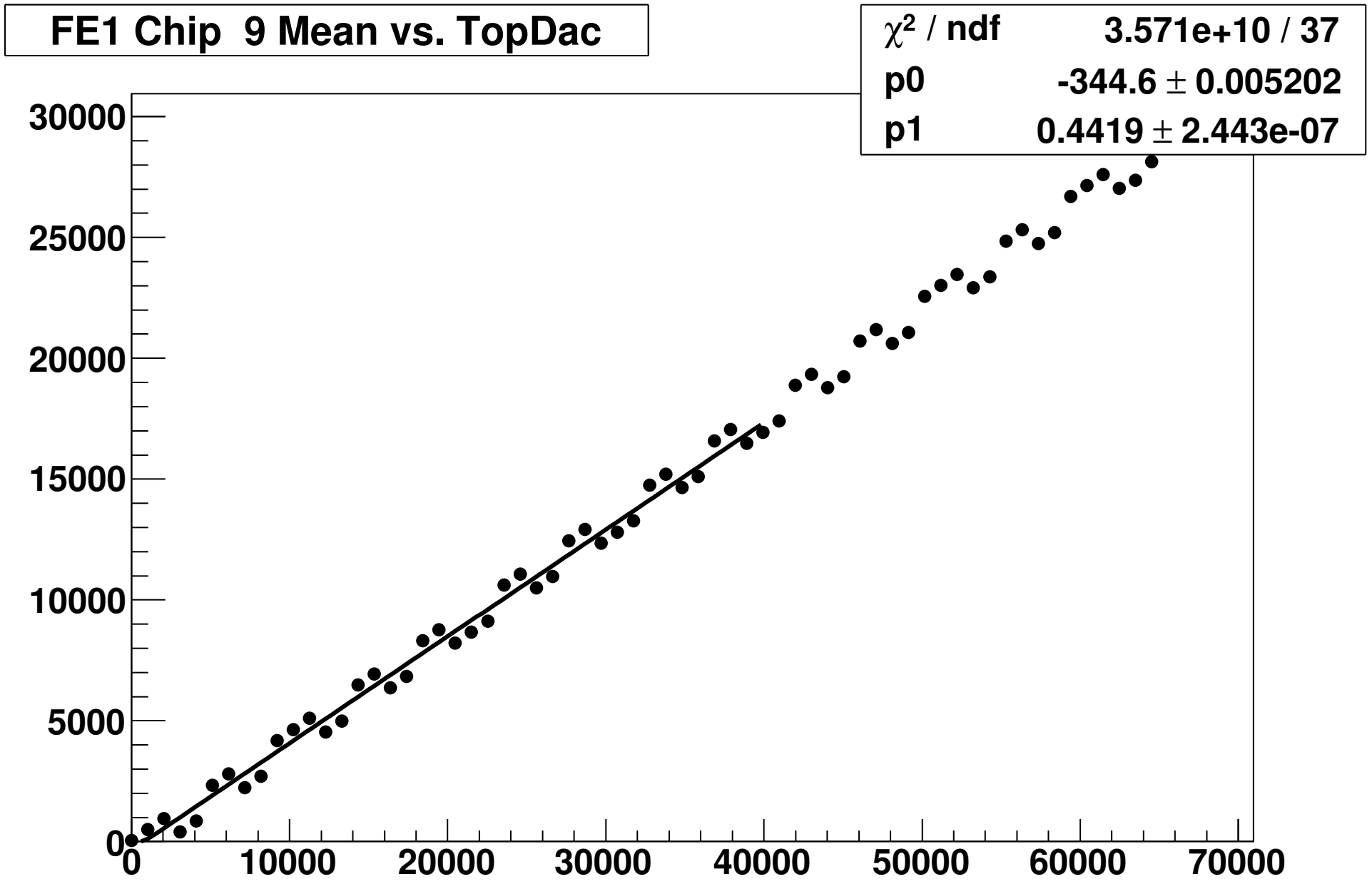

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 54.9 / 37
p0 1.481 ± 0.002603
p1 4.924e-06 ± 1.036e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.288e+05 / 37
p0 39.12 ± 0.005176
p1 0.4488 ± 2.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1028 / 37
p0 1.376 ± 0.002835
p1 3.537e-05 ± 2.033e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 396 / 37
p0 41.08 ± 0.005109
p1 -4.02e-06 ± 2.182e-07
41.1
41.05
41
40.95
40.9
40.85
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 41.92 / 37
p0 1.474 ± 0.002688
p1 6.398e-06 ± 8.514e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 3.571e+10 / 37
p0 -344.6 ± 0.005202
p1 0.4419 ± 2.443e-07
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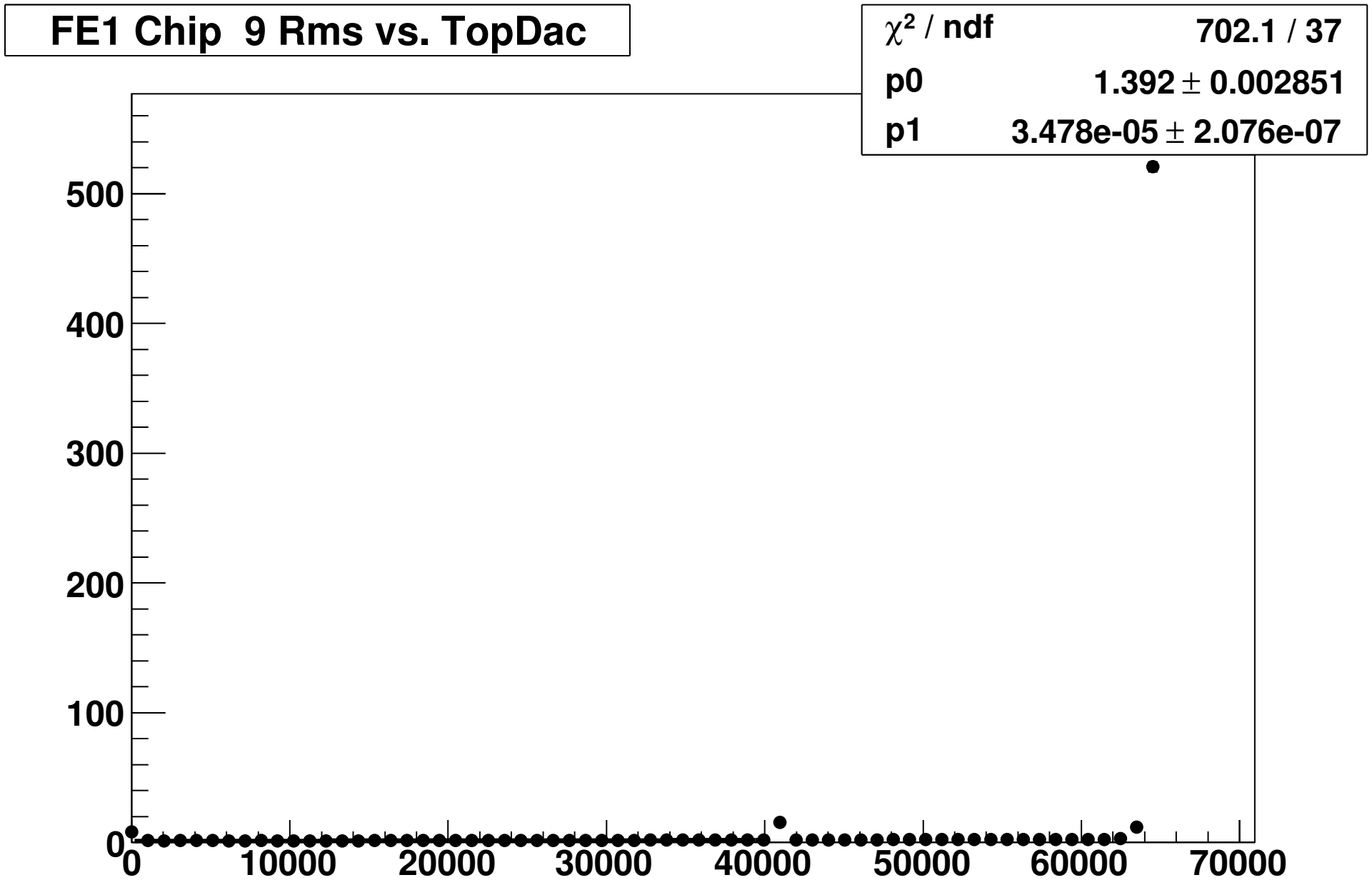
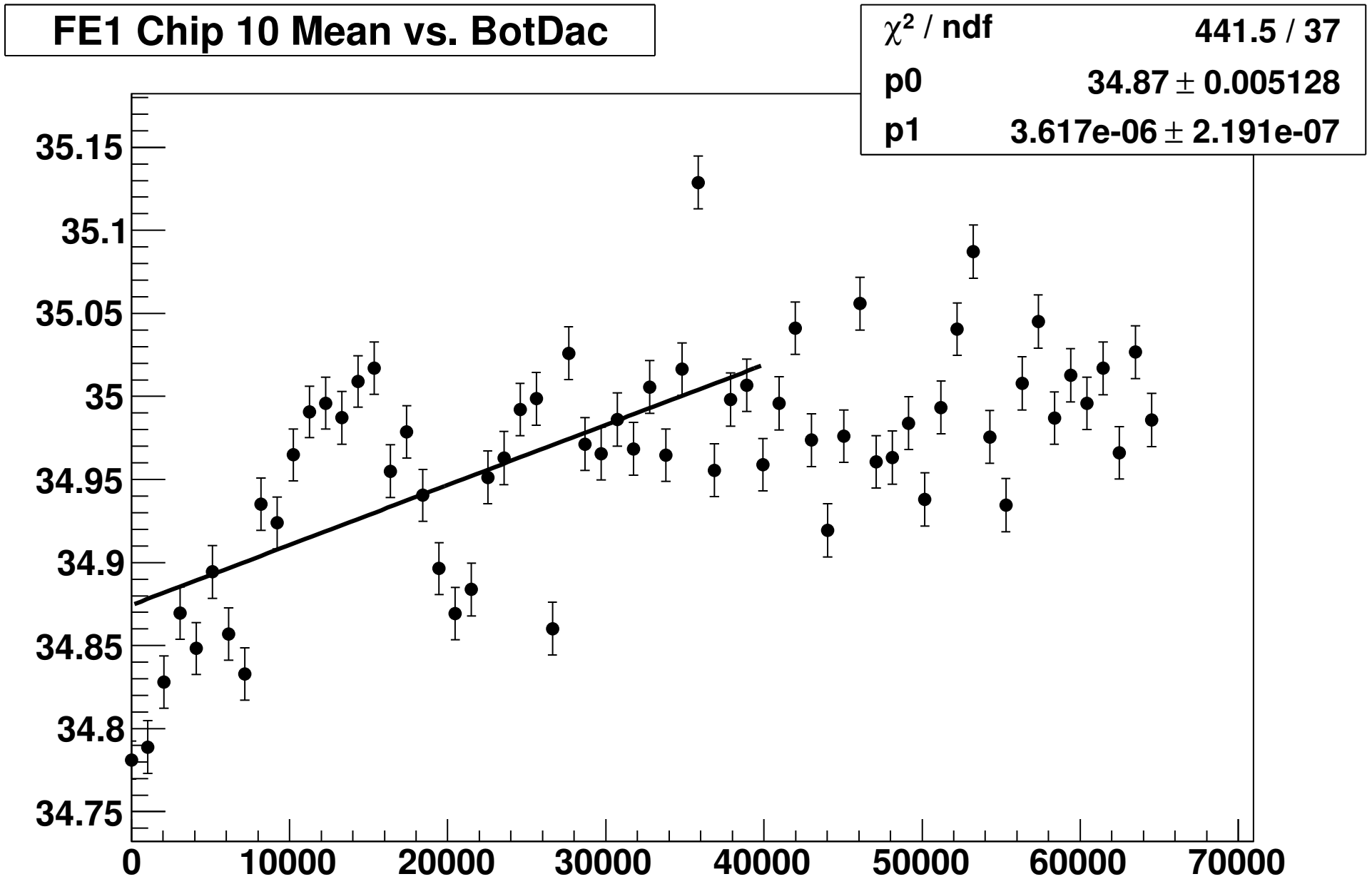
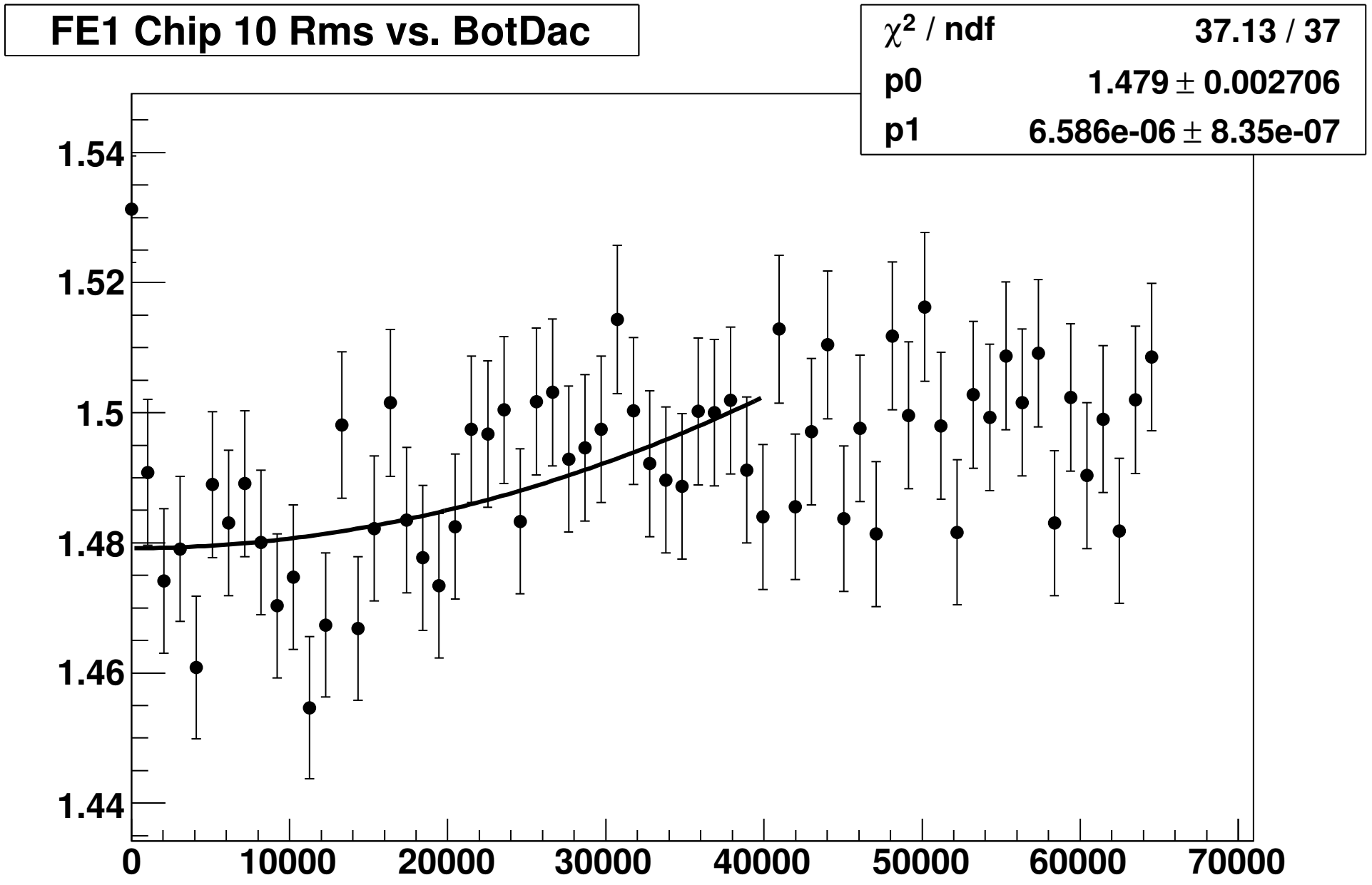
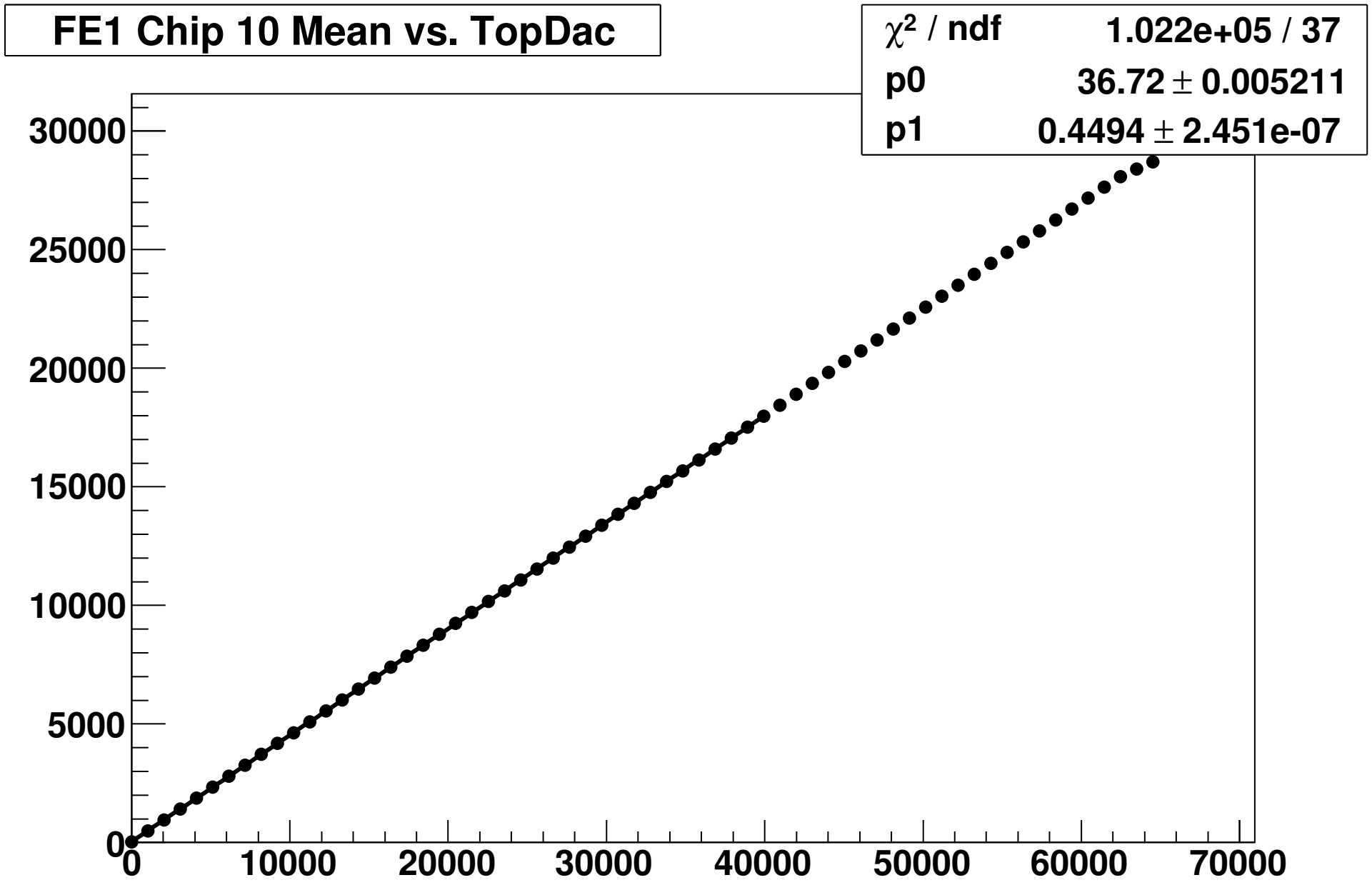
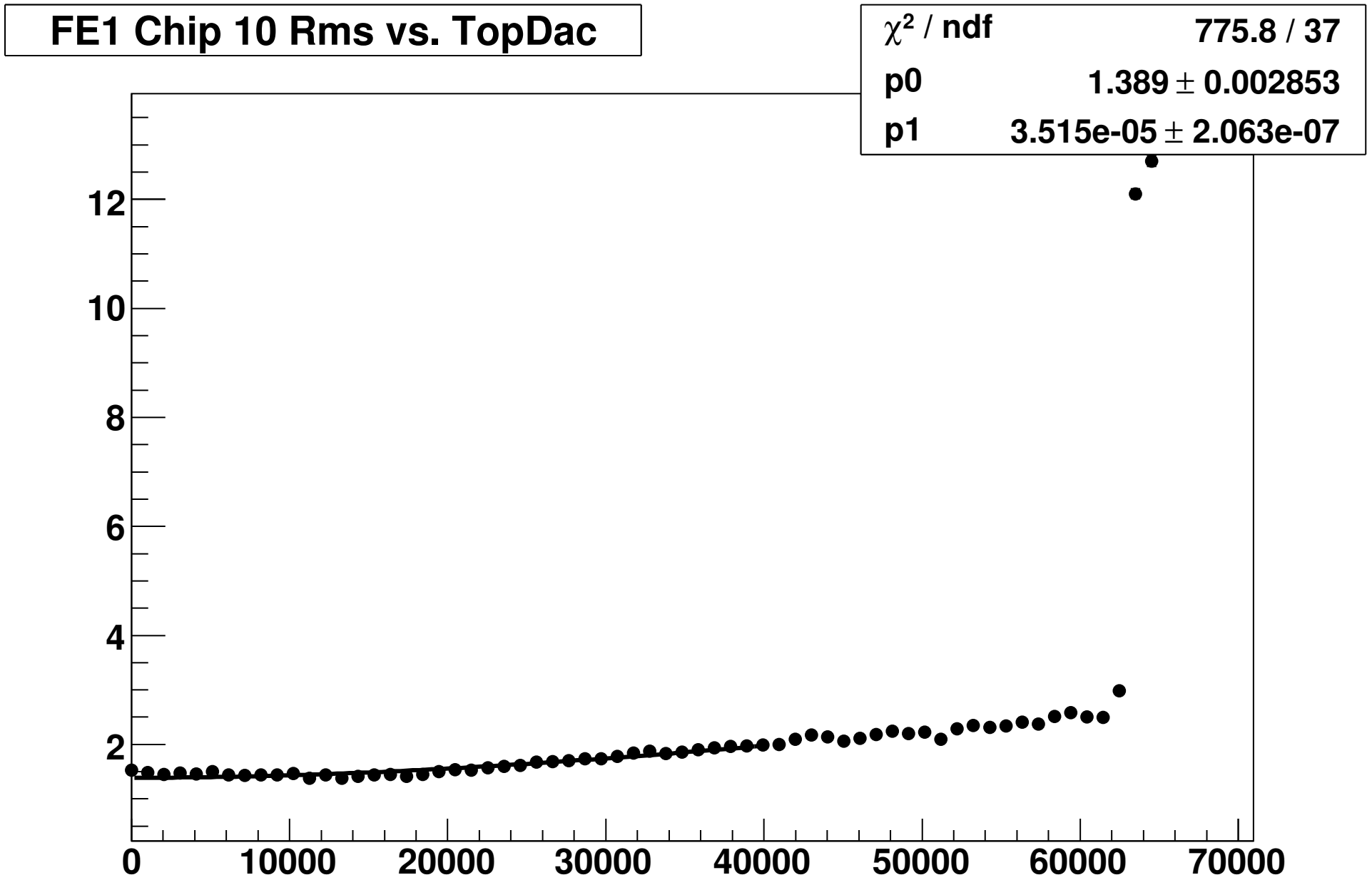
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

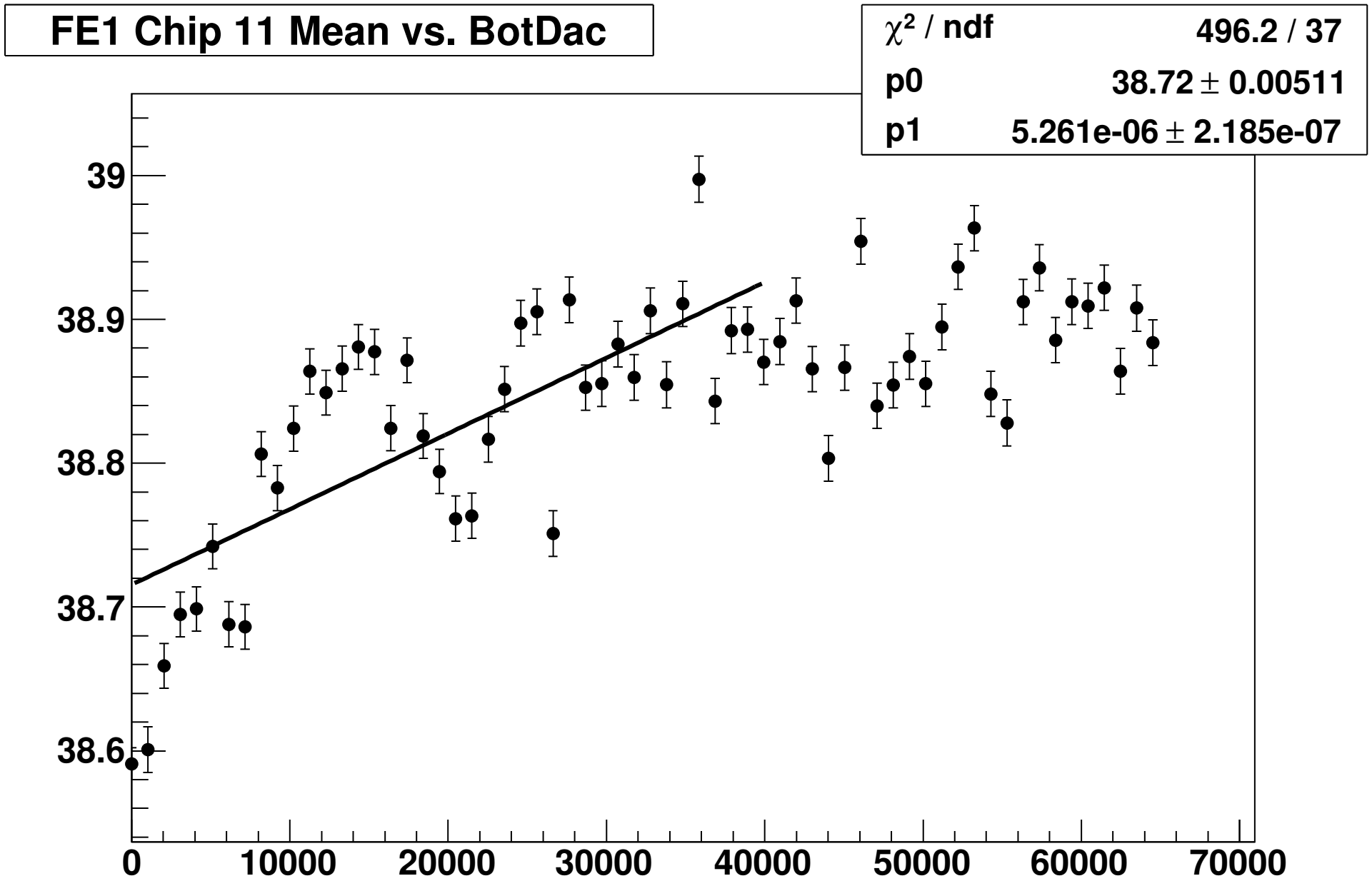

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 702.1 / 37
p0 1.392 ± 0.002851
p1 3.478e-05 ± 2.076e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

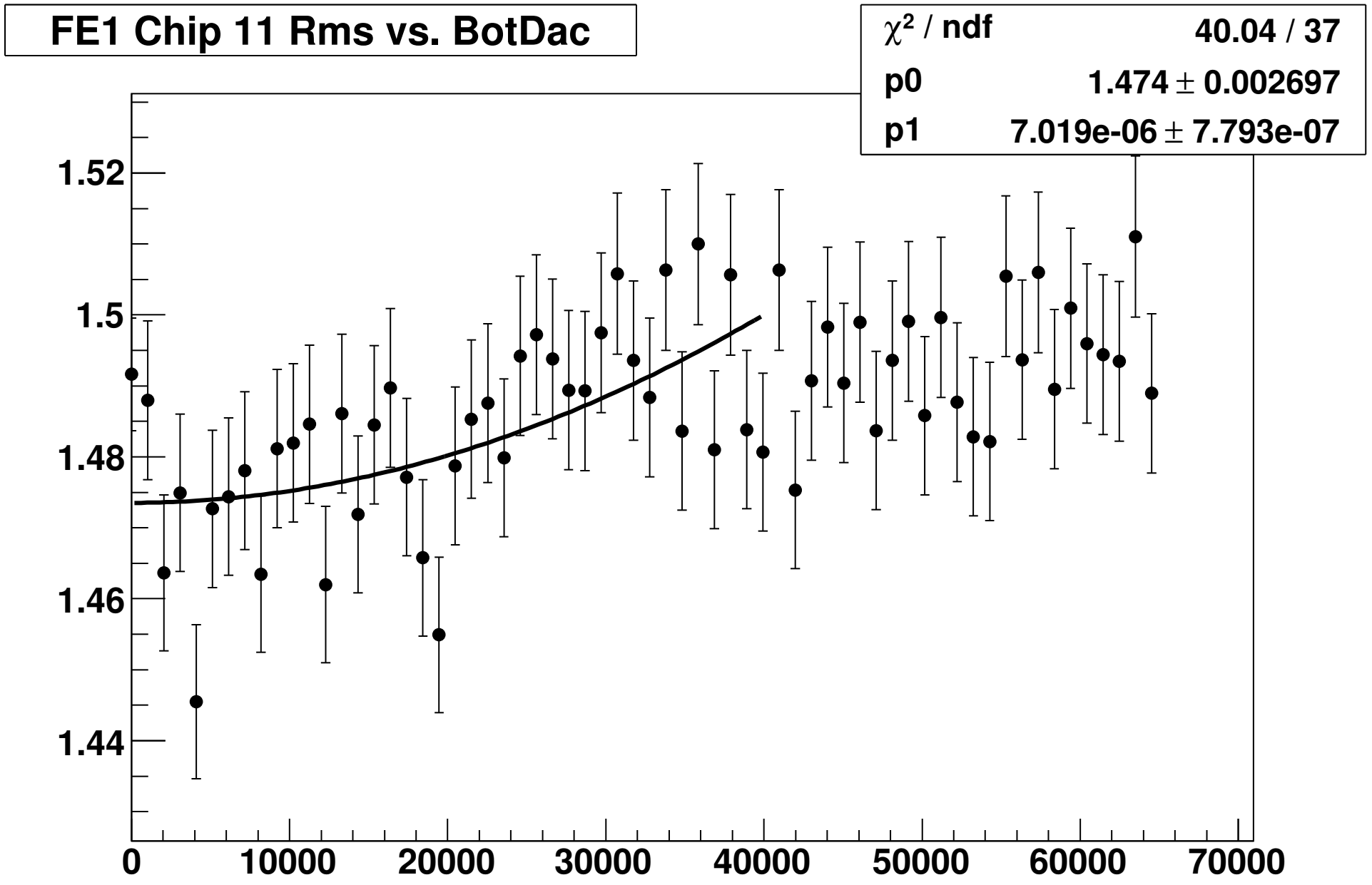

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 441.5 / 37
p0 34.87 ± 0.005128
p1 3.617e-06 ± 2.191e-07
35.15
35.1
35.05
35
34.95
34.9
34.85
34.8
34.75
0
10000
20000
30000
40000
50000
60000
70000

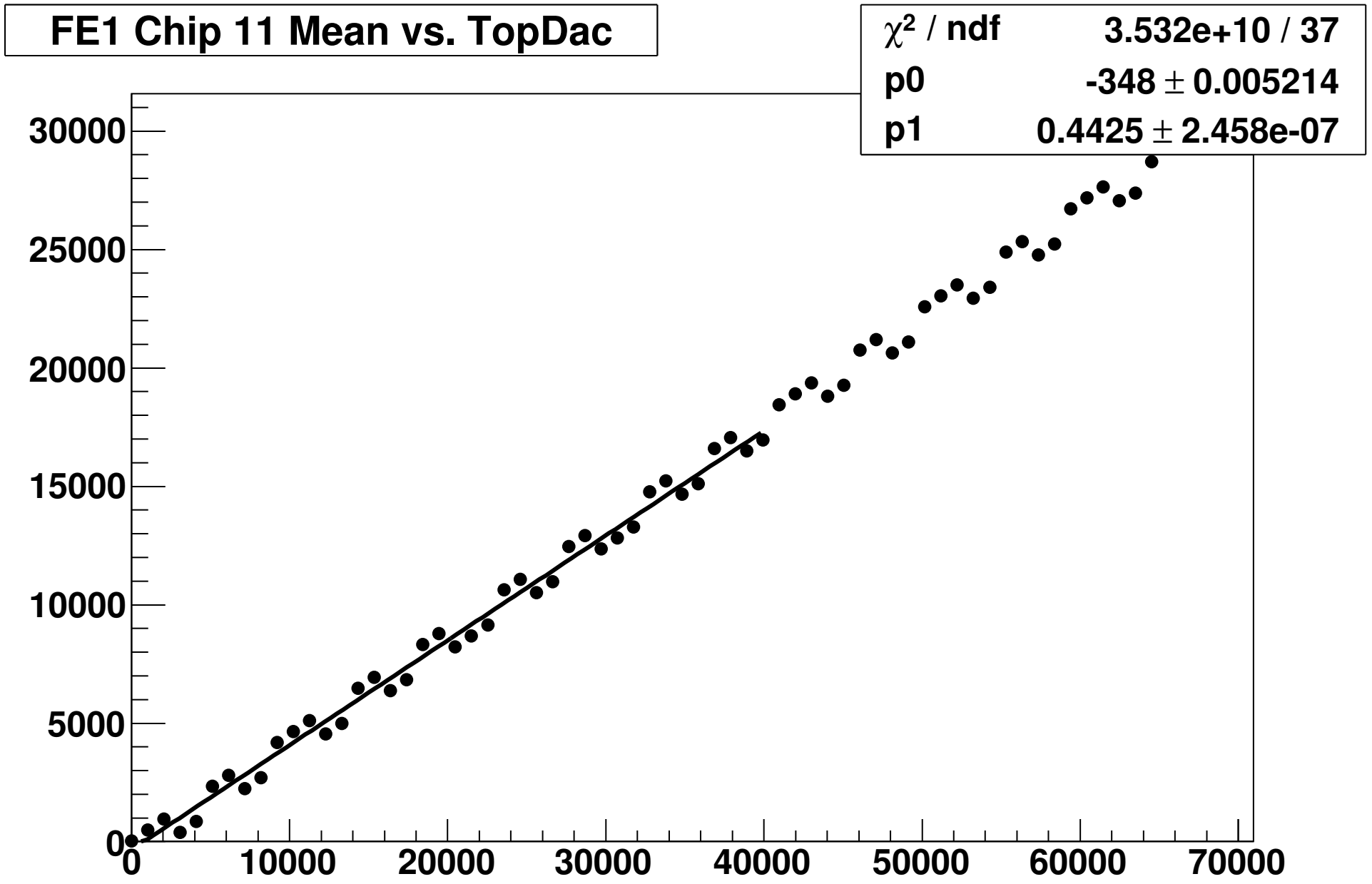

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 37.13 / 37
p0 1.479 ± 0.002706
p1 6.586e-06 ± 8.35e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

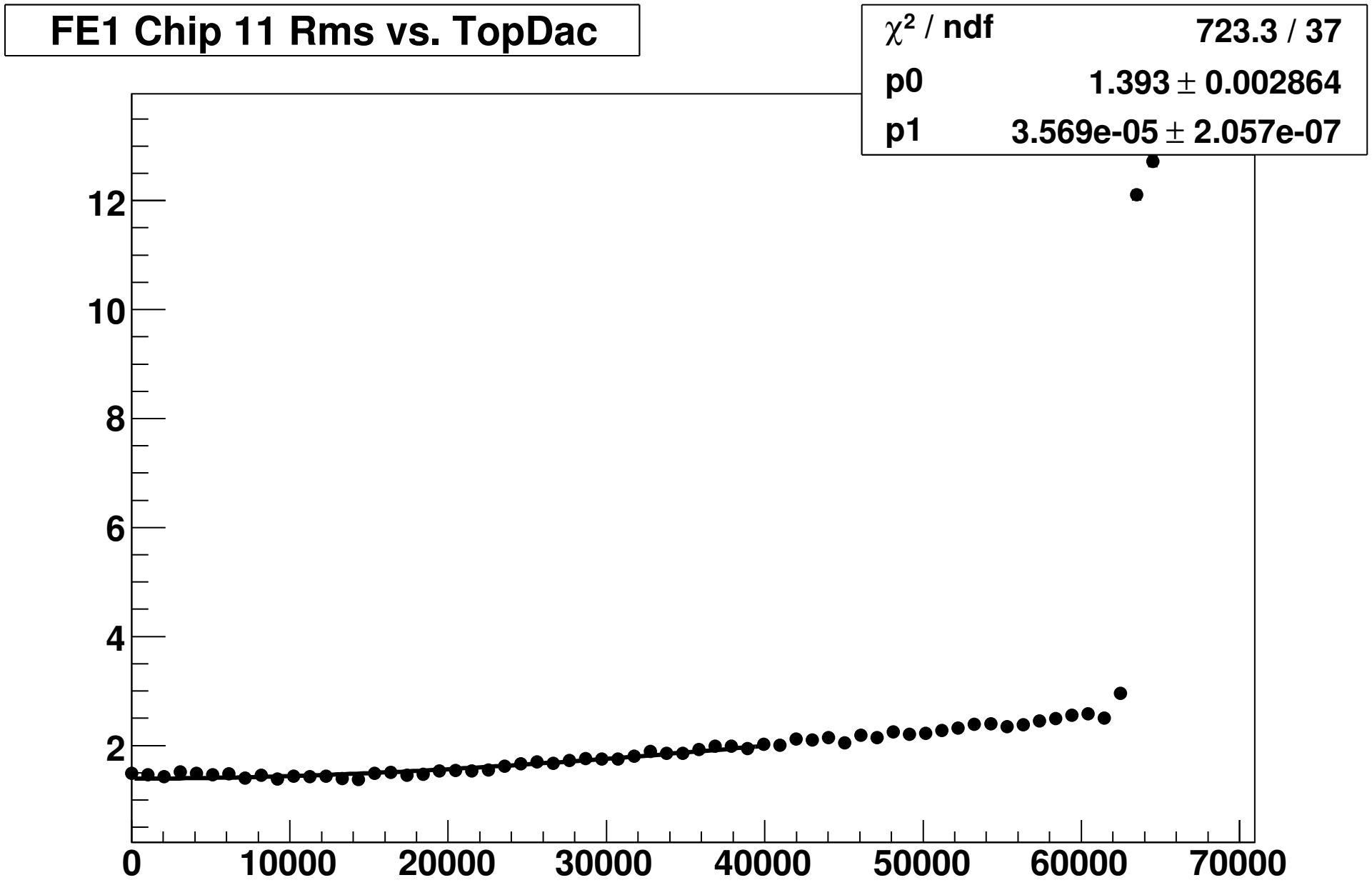

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.022e+05 / 37
p0 36.72 ± 0.005211
p1 0.4494 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

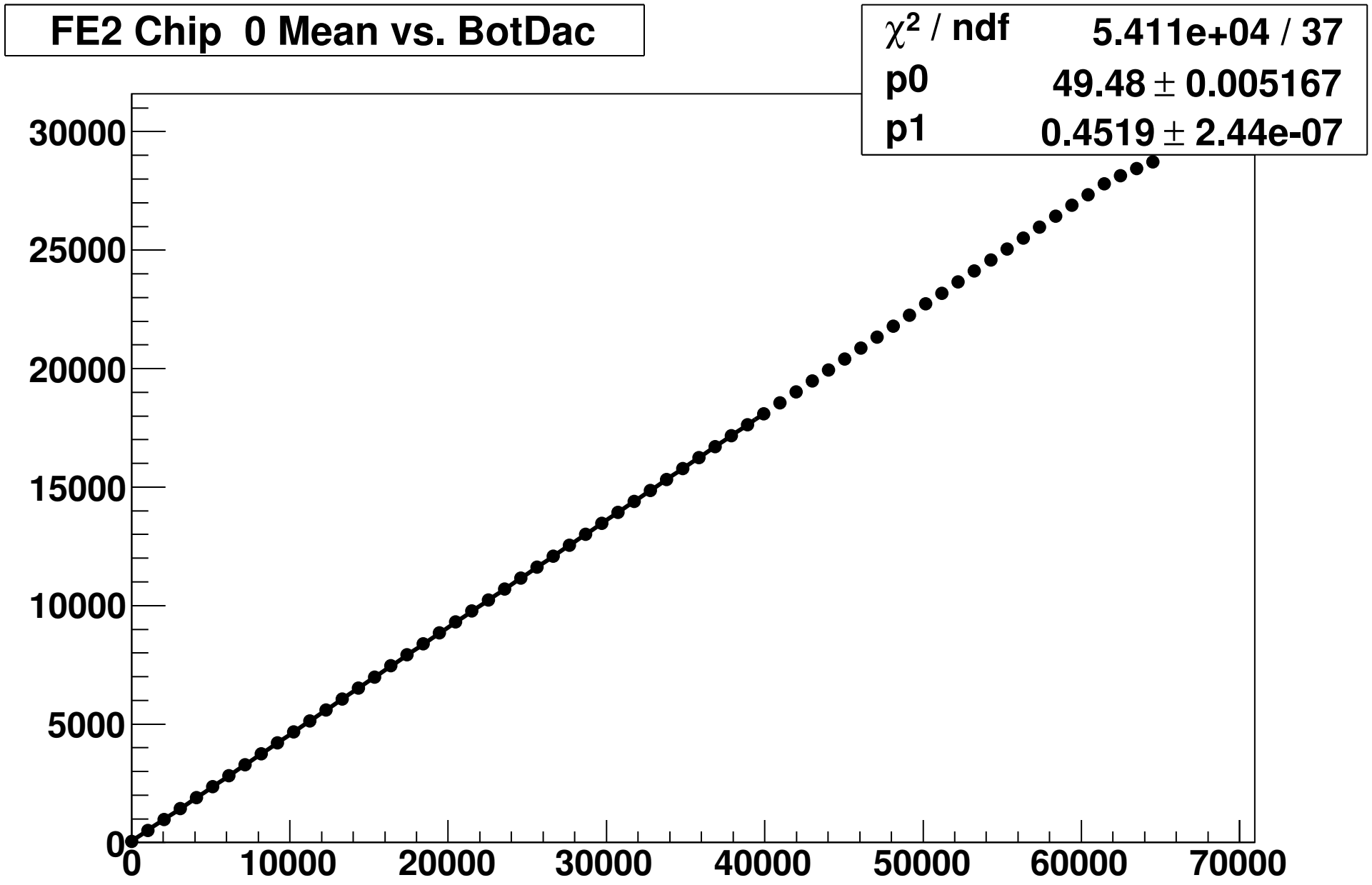

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 775.8 / 37
p0 1.389 ± 0.002853
p1 3.515e-05 ± 2.063e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

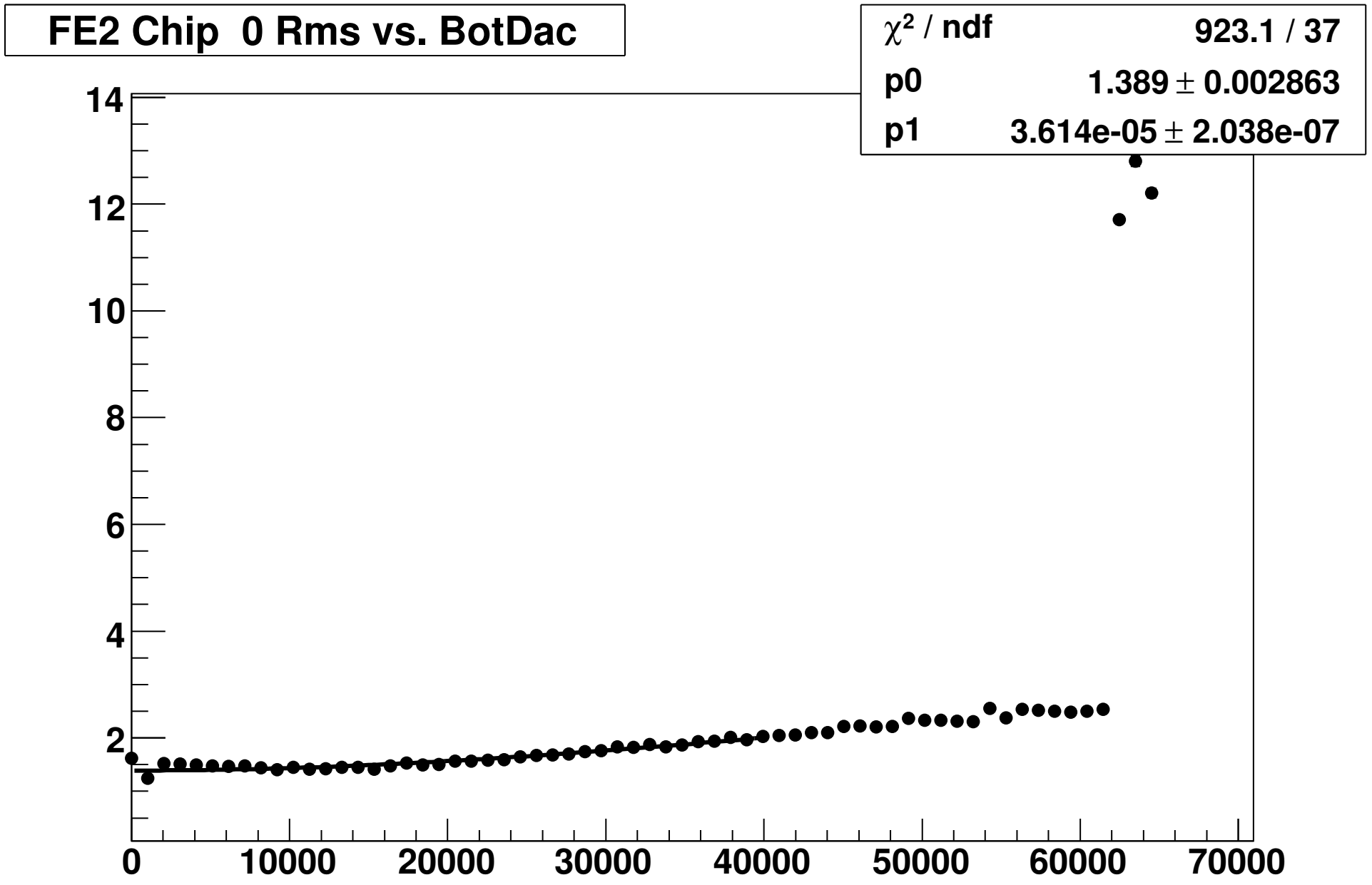

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 496.2 / 37
p0 38.72 ± 0.00511
p1 5.261e-06 ± 2.185e-07
39
38.9
38.8
38.7
38.6
0
10000
20000
30000
40000
50000
60000
70000

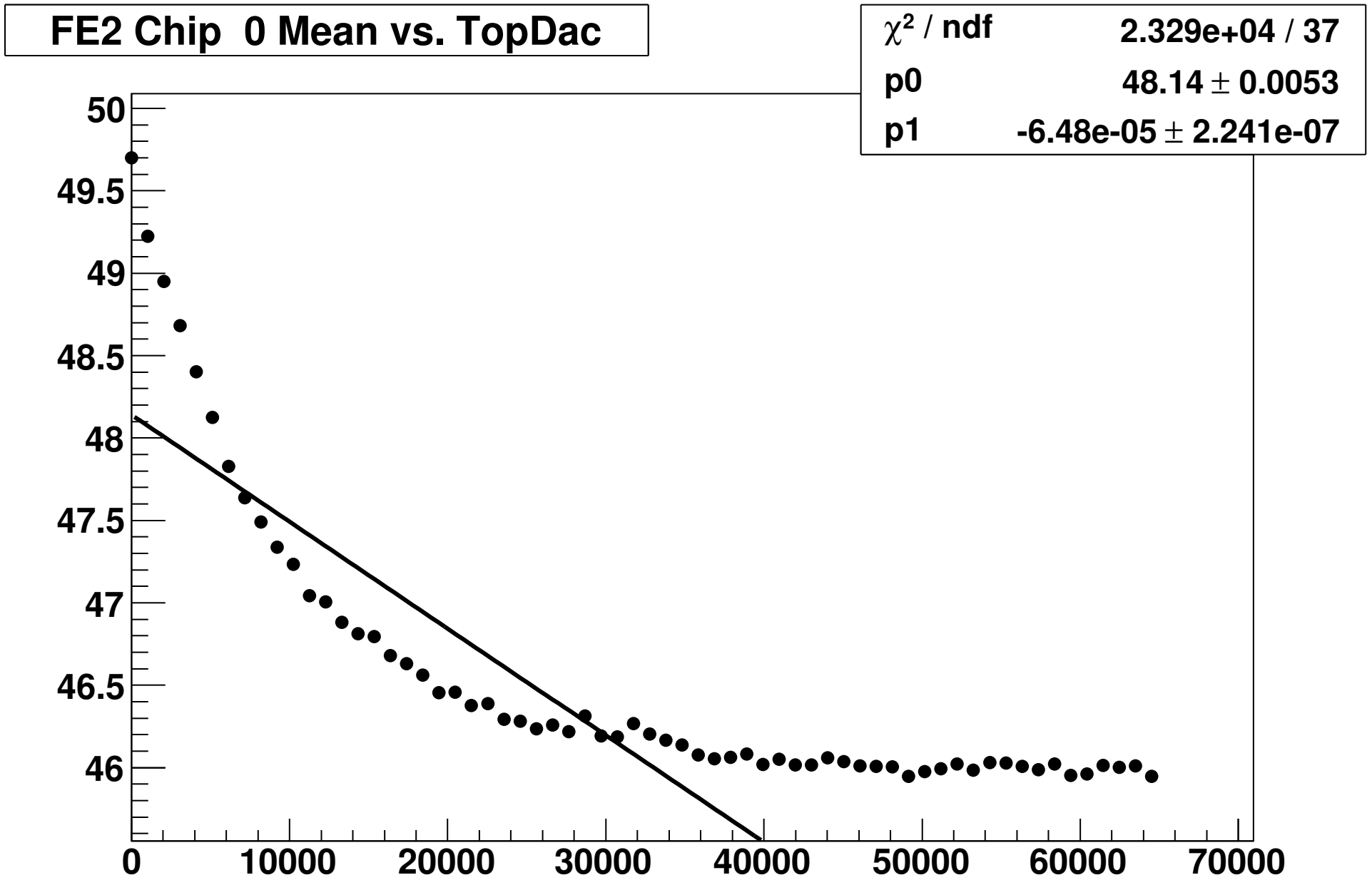

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 40.04 / 37
p0 1.474 ± 0.002697
p1 7.019e-06 ± 7.793e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

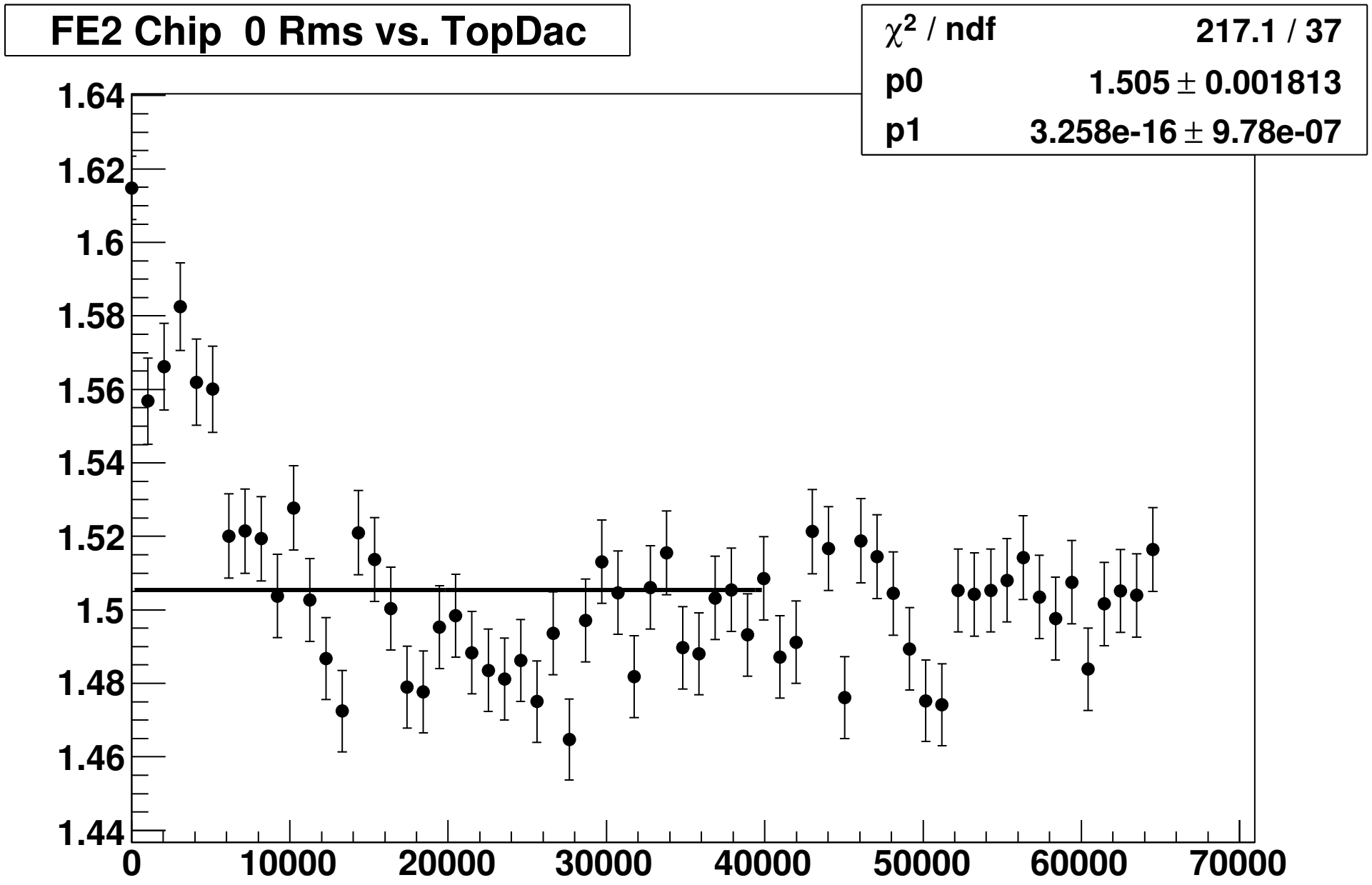

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 3.532e+10 / 37
p0 -348 ± 0.005214
p1 0.4425 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

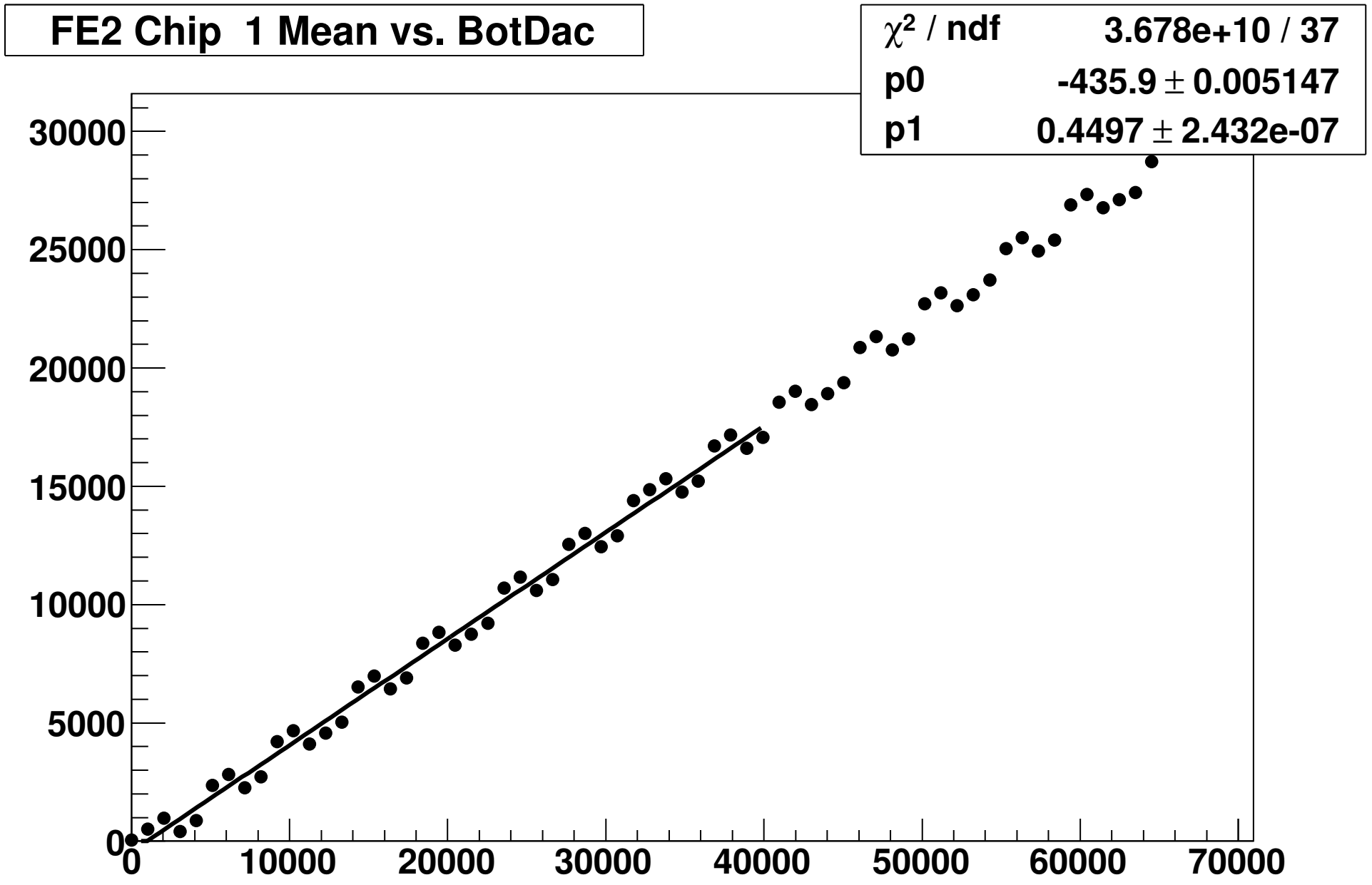

FE1 Chip 11 Rms vs. TopDac
χ² / ndf 723.3 / 37
p0 1.393 ± 0.002864
p1 3.569e-05 ± 2.057e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

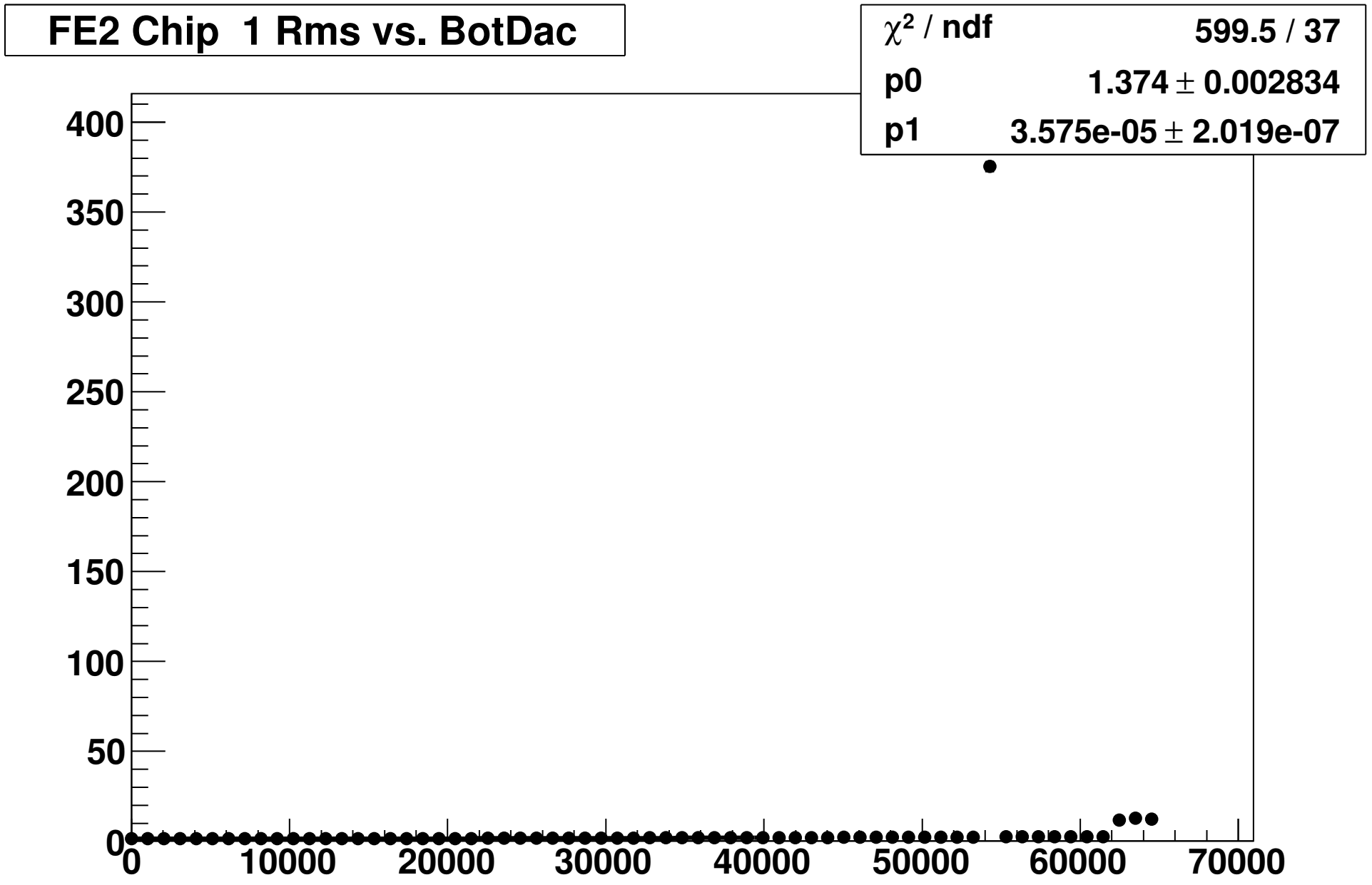

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 5.411e+04 / 37
p0 49.48 ± 0.005167
p1 0.4519 ± 2.44e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

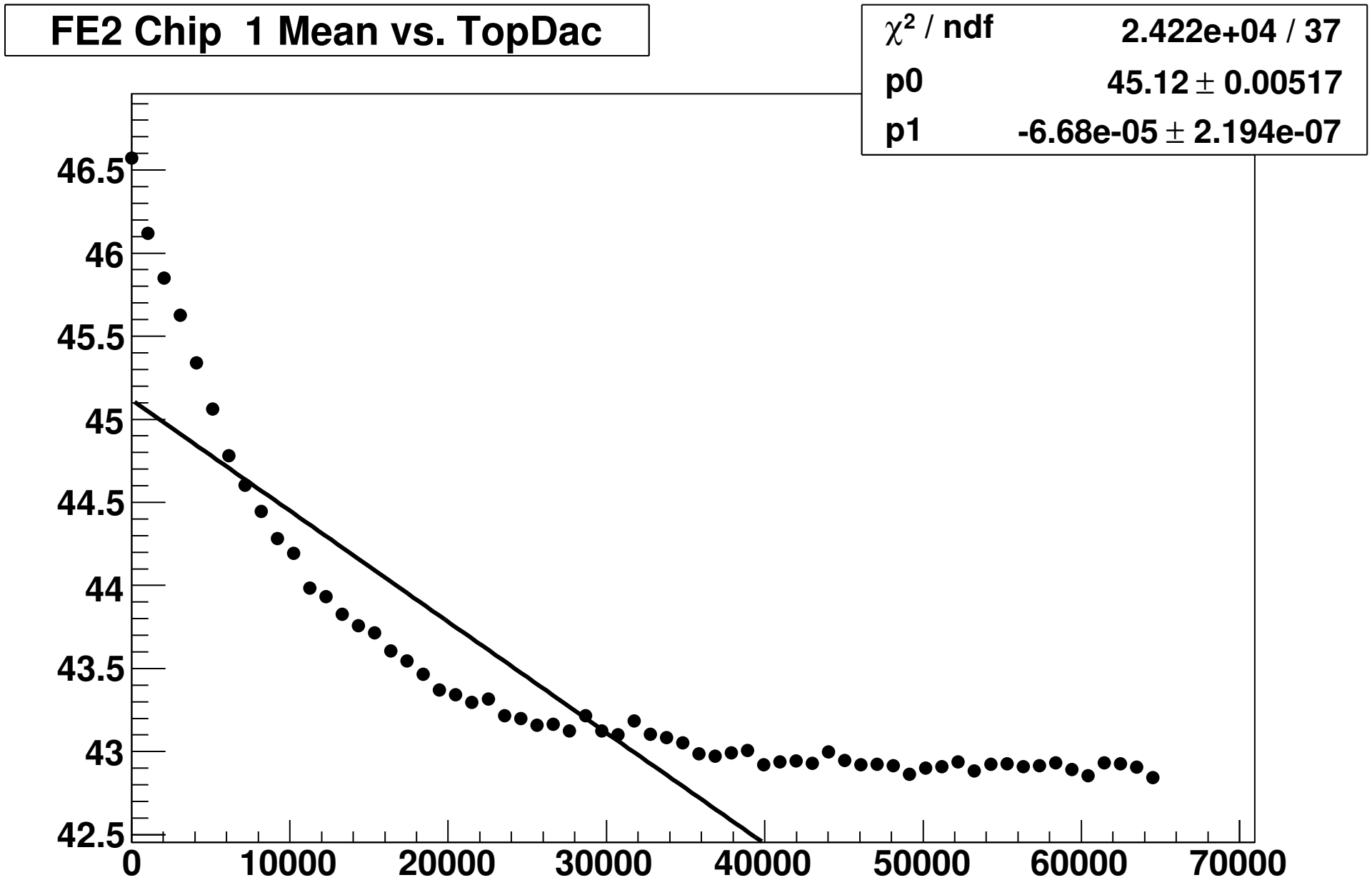

FE2 Chip 0 Rms vs. BotDac
χ² / ndf 923.1 / 37
p0 1.389 ± 0.002863
p1 3.614e-05 ± 2.038e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

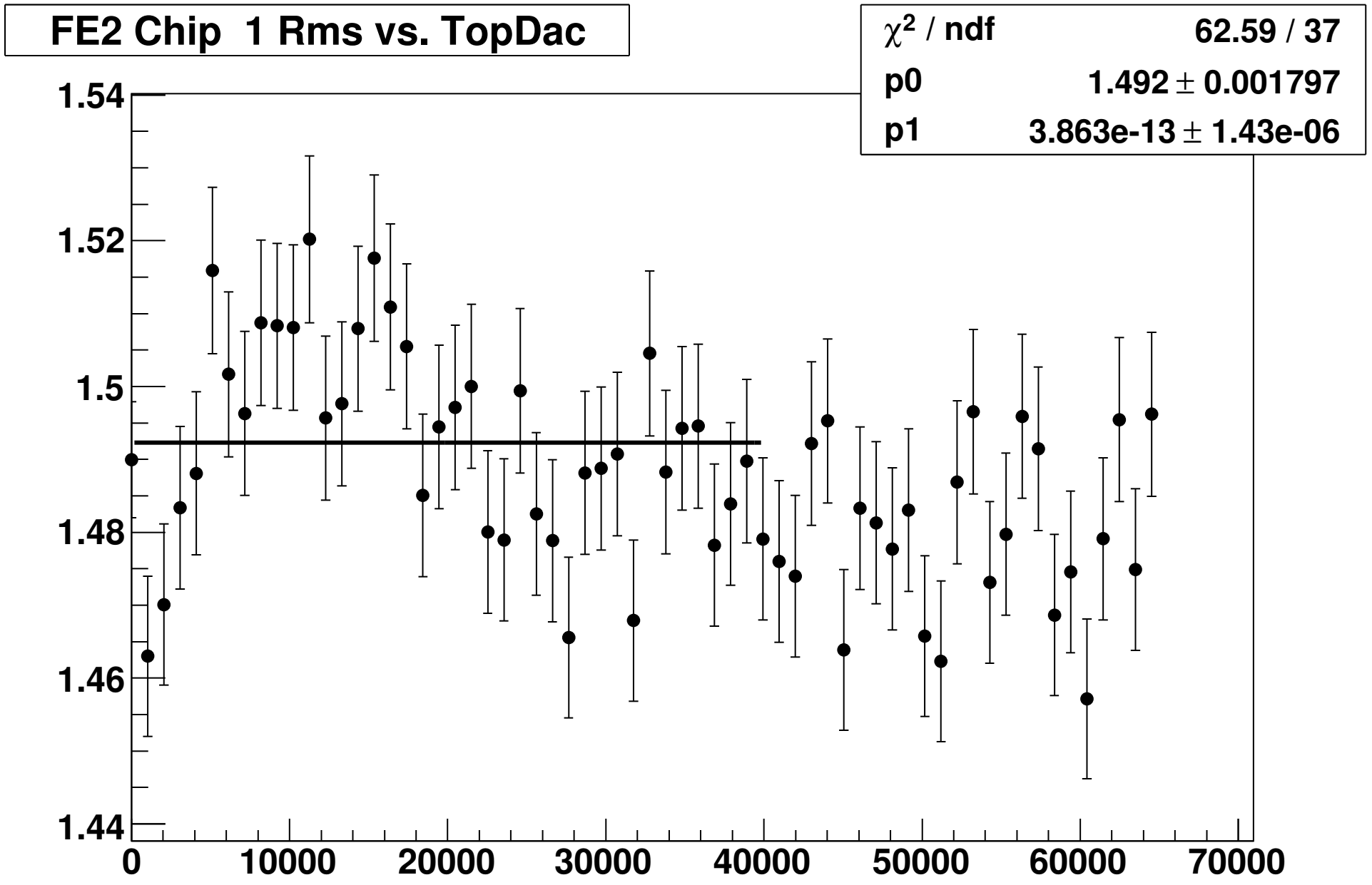

FE2 Chip 0 Mean vs. TopDac
χ² / ndf 2.329e+04 / 37
p0 48.14 ± 0.0053
p1 -6.48e-05 ± 2.241e-07
50
49.5
49
48.5
48
47.5
47
46.5
46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 217.1 / 37
p0 1.505 ± 0.001813
p1 3.258e-16 ± 9.78e-07
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 3.678e+10 / 37
p0 -435.9 ± 0.005147
p1 0.4497 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 599.5 / 37
p0 1.374 ± 0.002834
p1 3.575e-05 ± 2.019e-07
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 2.422e+04 / 37
p0 45.12 ± 0.00517
p1 -6.68e-05 ± 2.194e-07
46.5
46
45.5
45
44.5
44
43.5
43
42.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 62.59 / 37
p0 1.492 ± 0.001797
p1 3.863e-13 ± 1.43e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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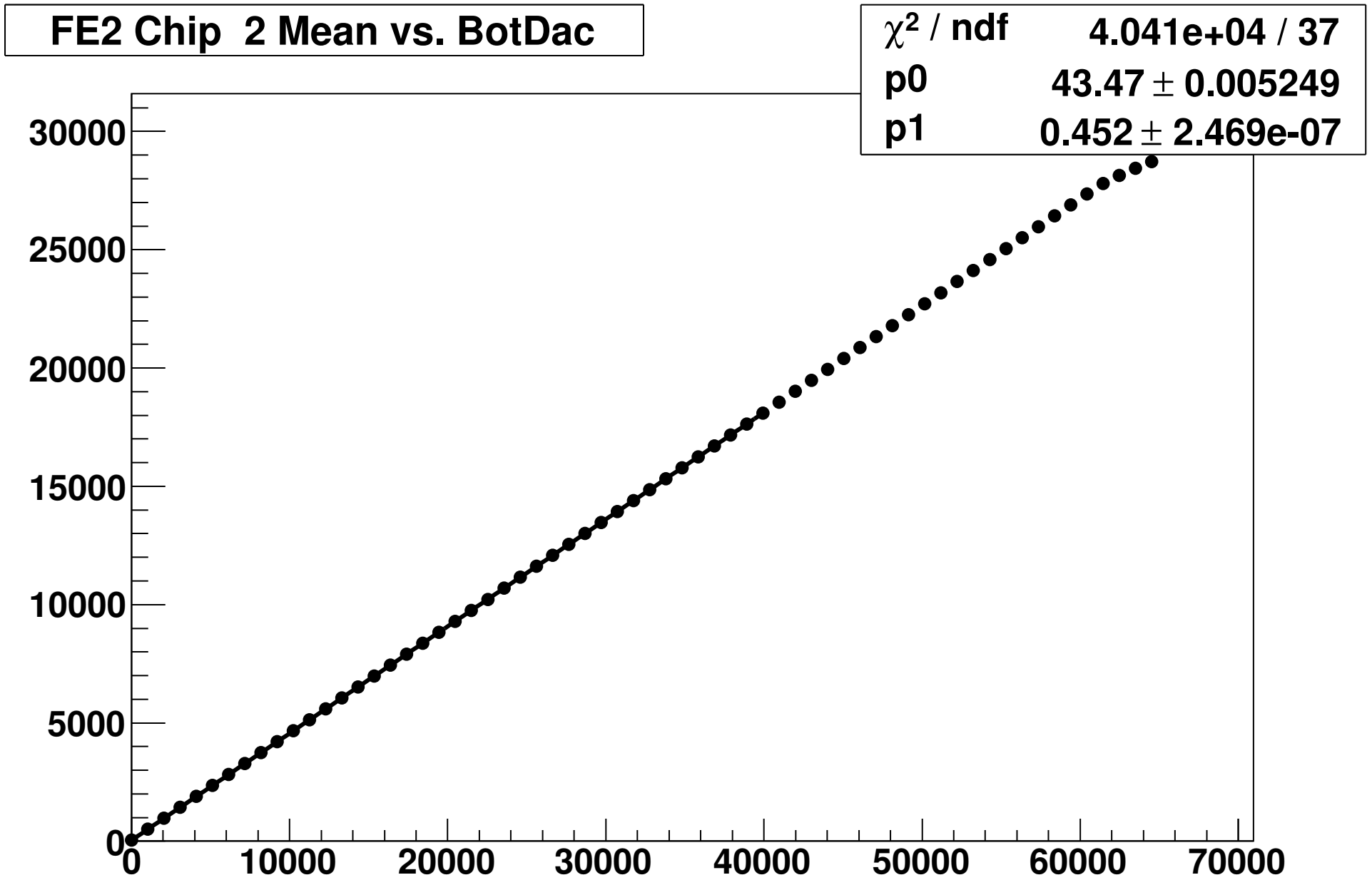
50000
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 4.041e+04 / 37
p0 43.47 ± 0.005249
p1 0.452 ± 2.469e-07
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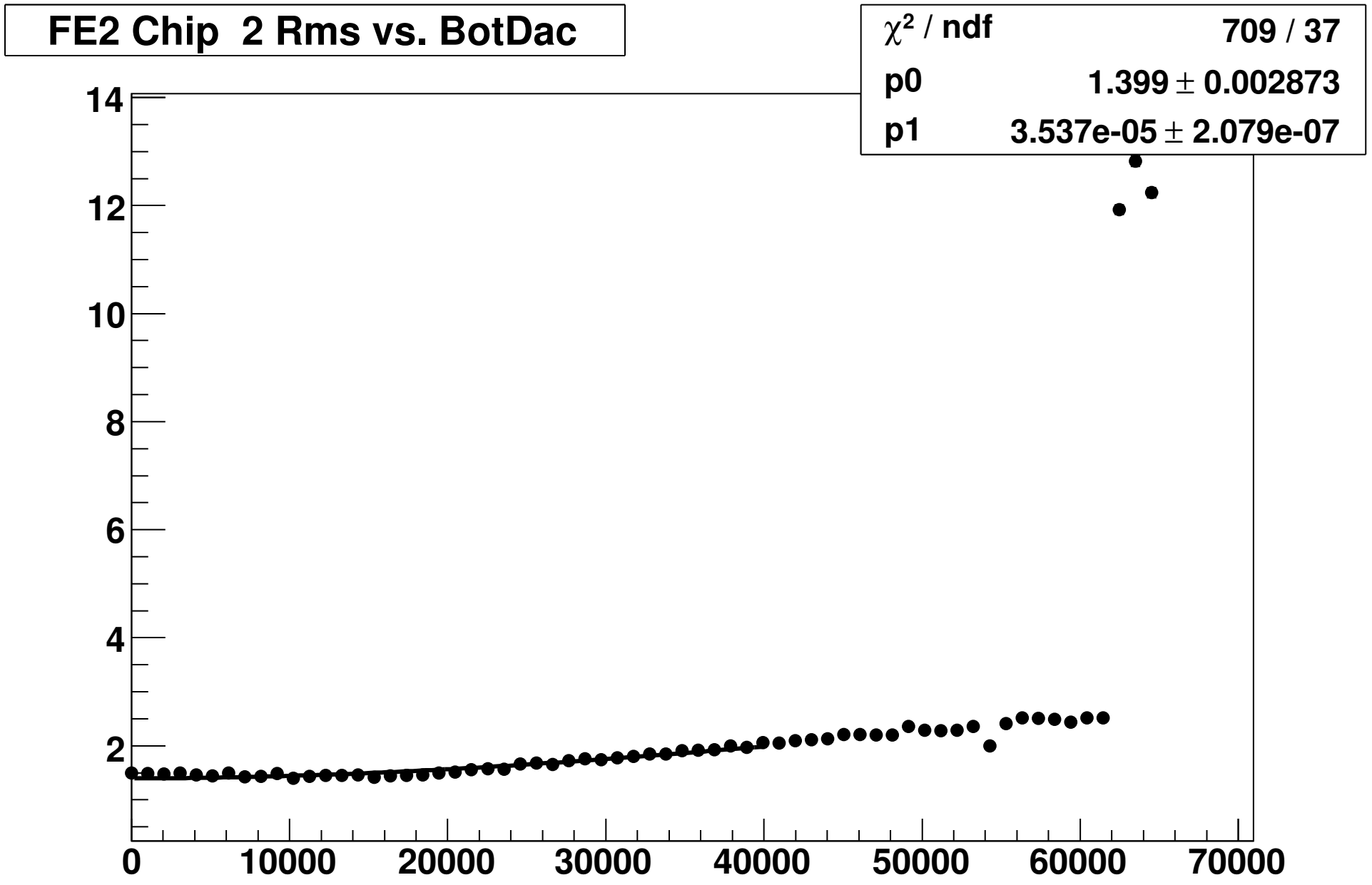
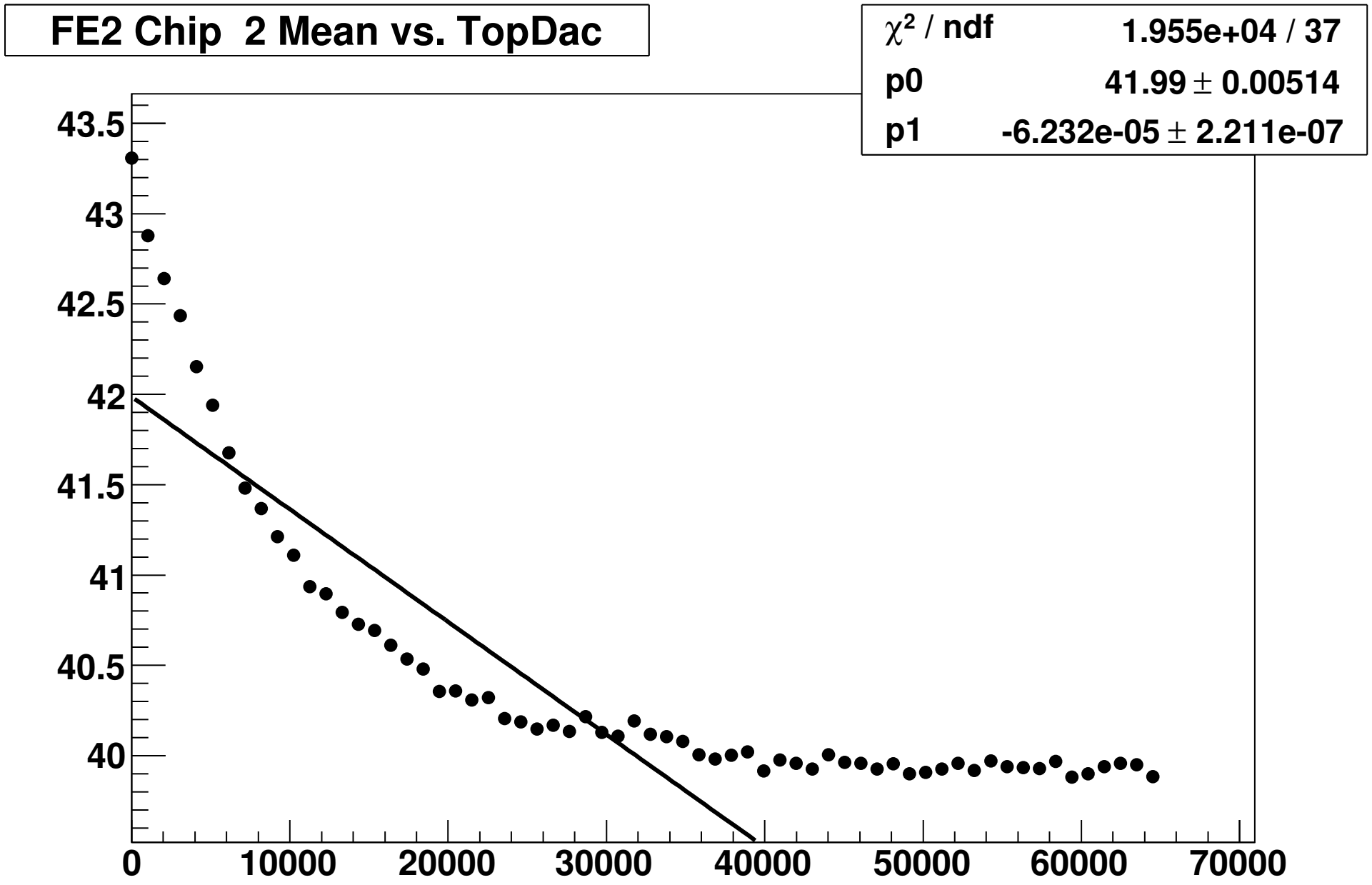
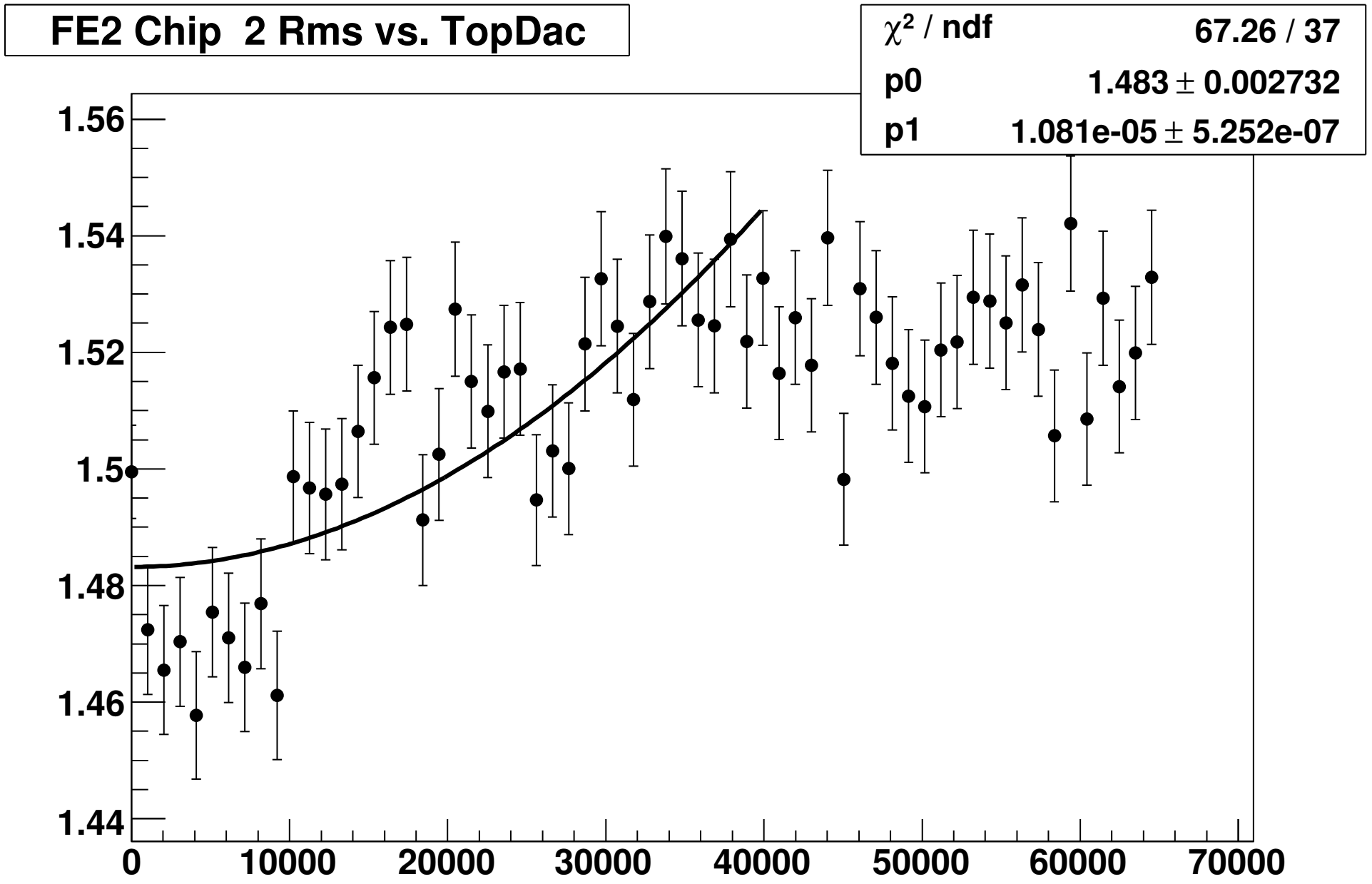
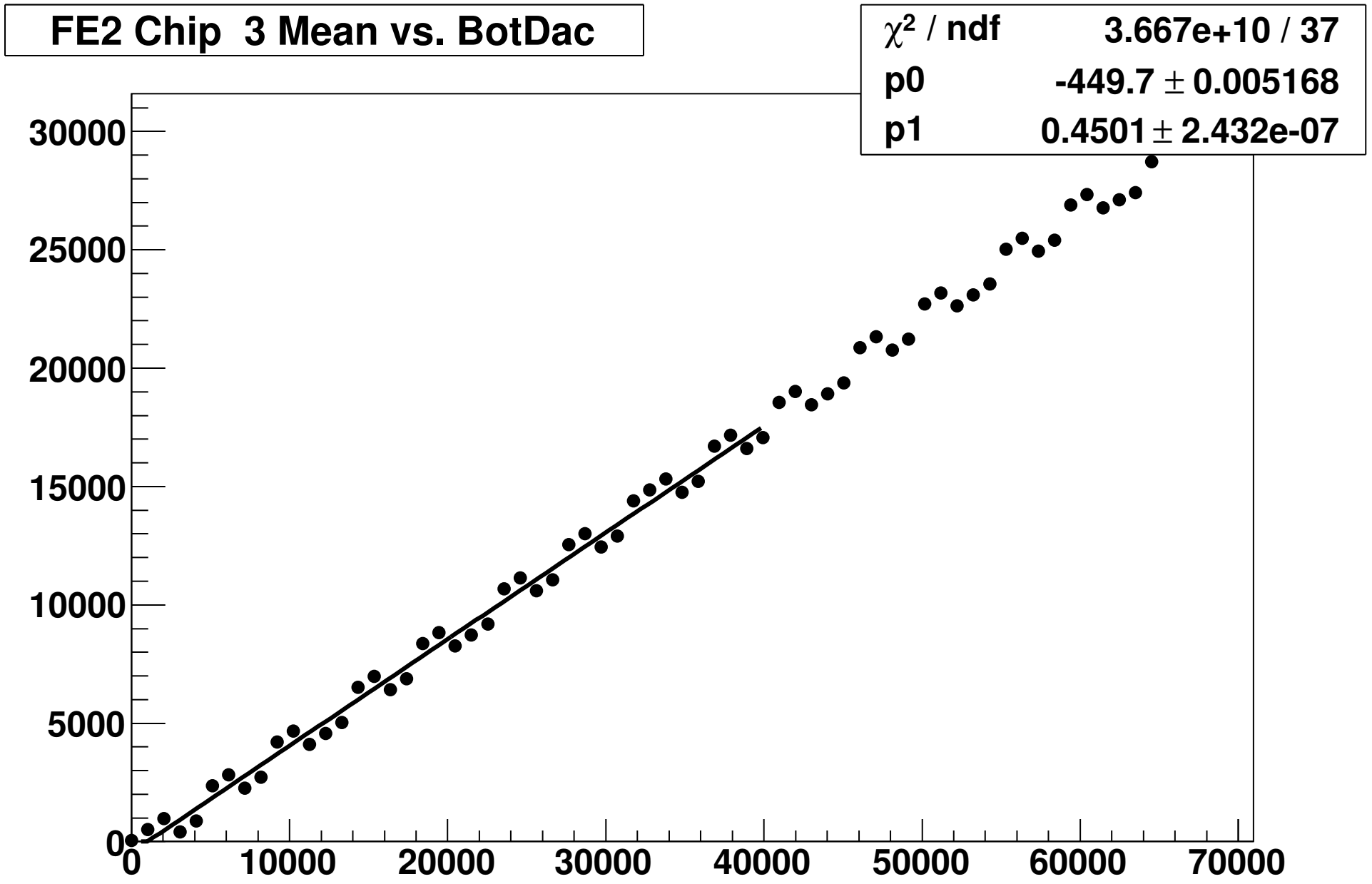
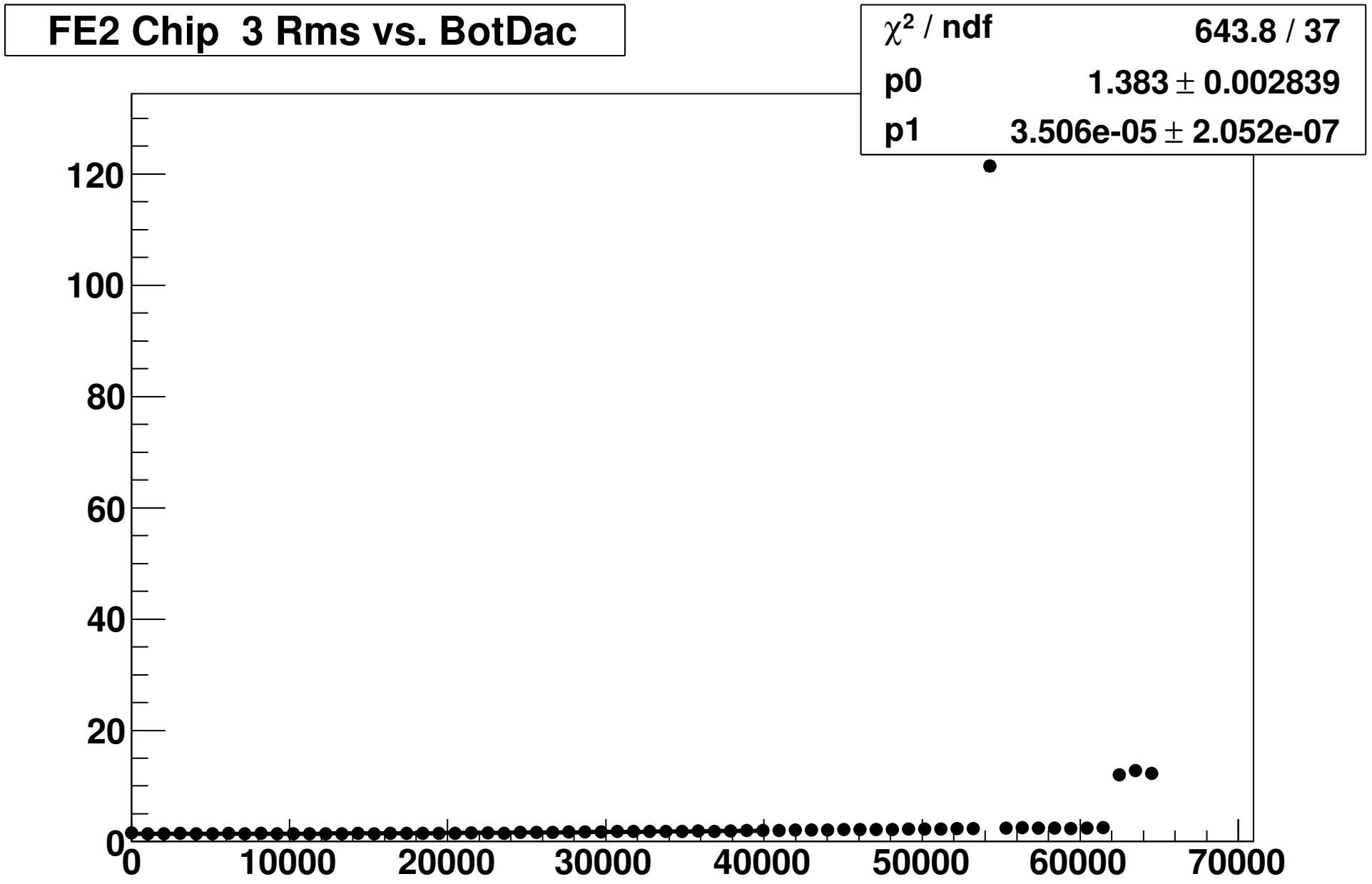
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

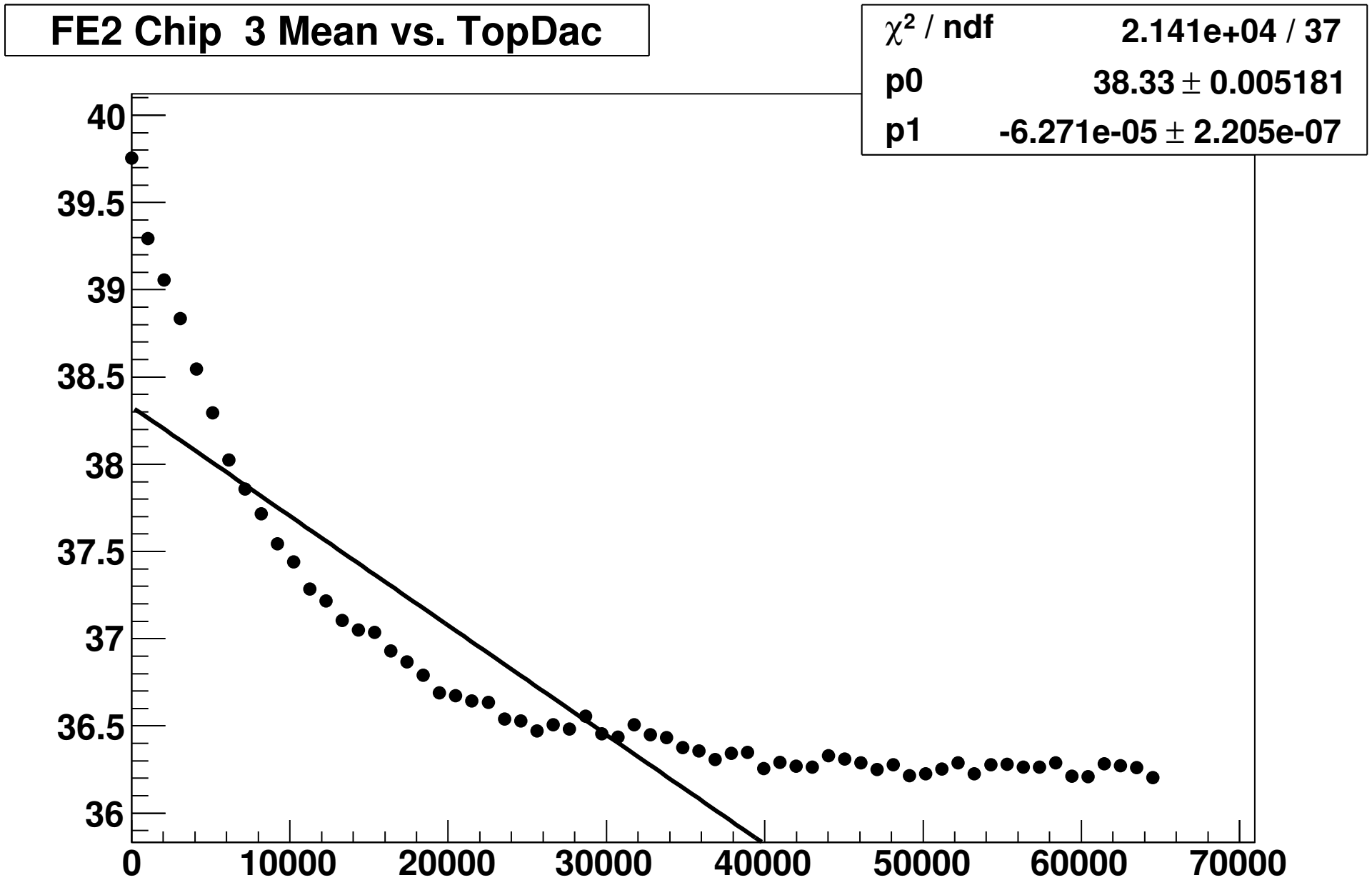

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 709 / 37
p0 1.399 ± 0.002873
p1 3.537e-05 ± 2.079e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

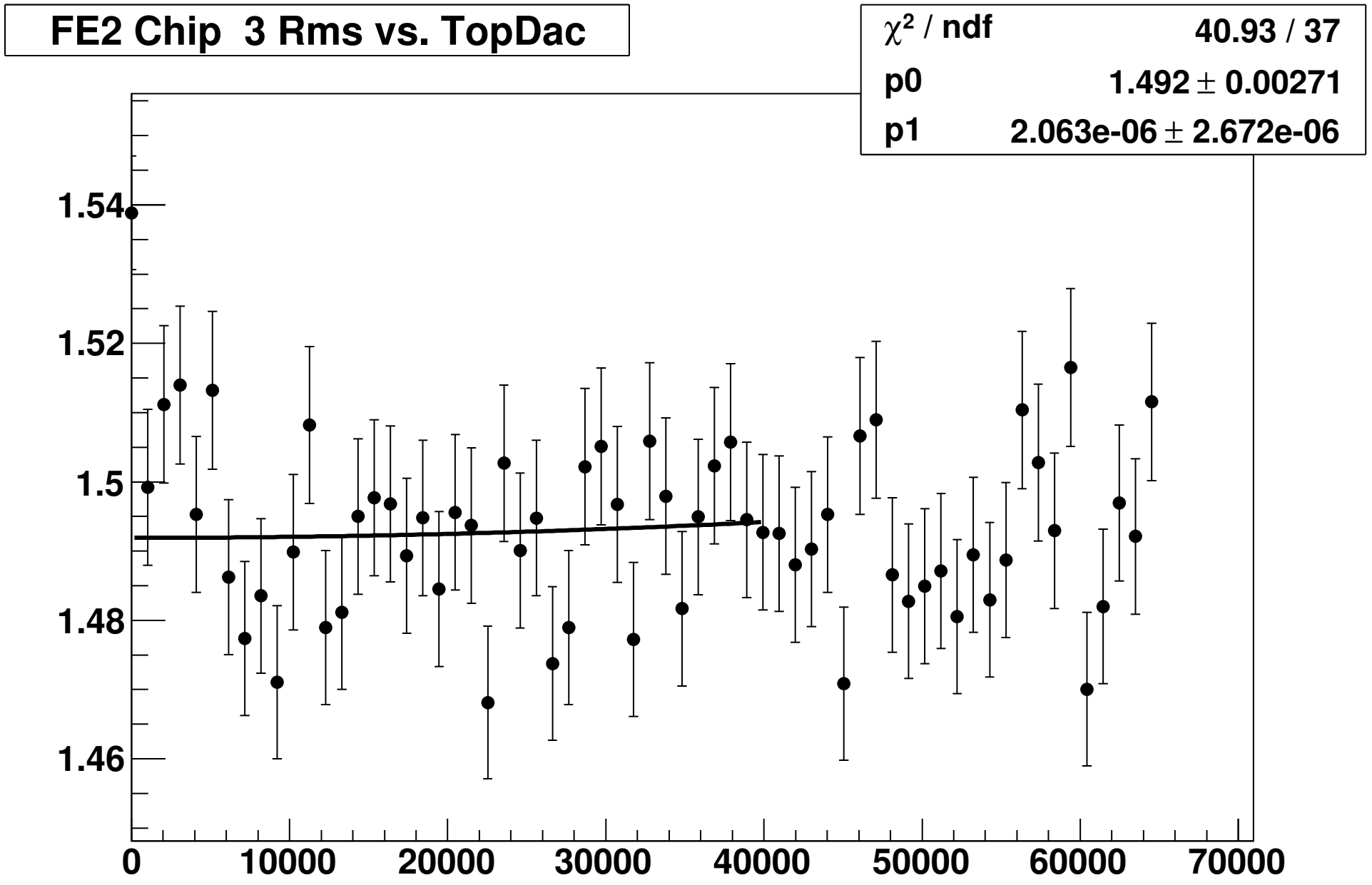

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 1.955e+04 / 37
p0 41.99 ± 0.00514
p1 -6.232e-05 ± 2.211e-07
43.5
43
42.5
42
41.5
41
40.5
40
0
10000
20000
30000
40000
50000
60000
70000

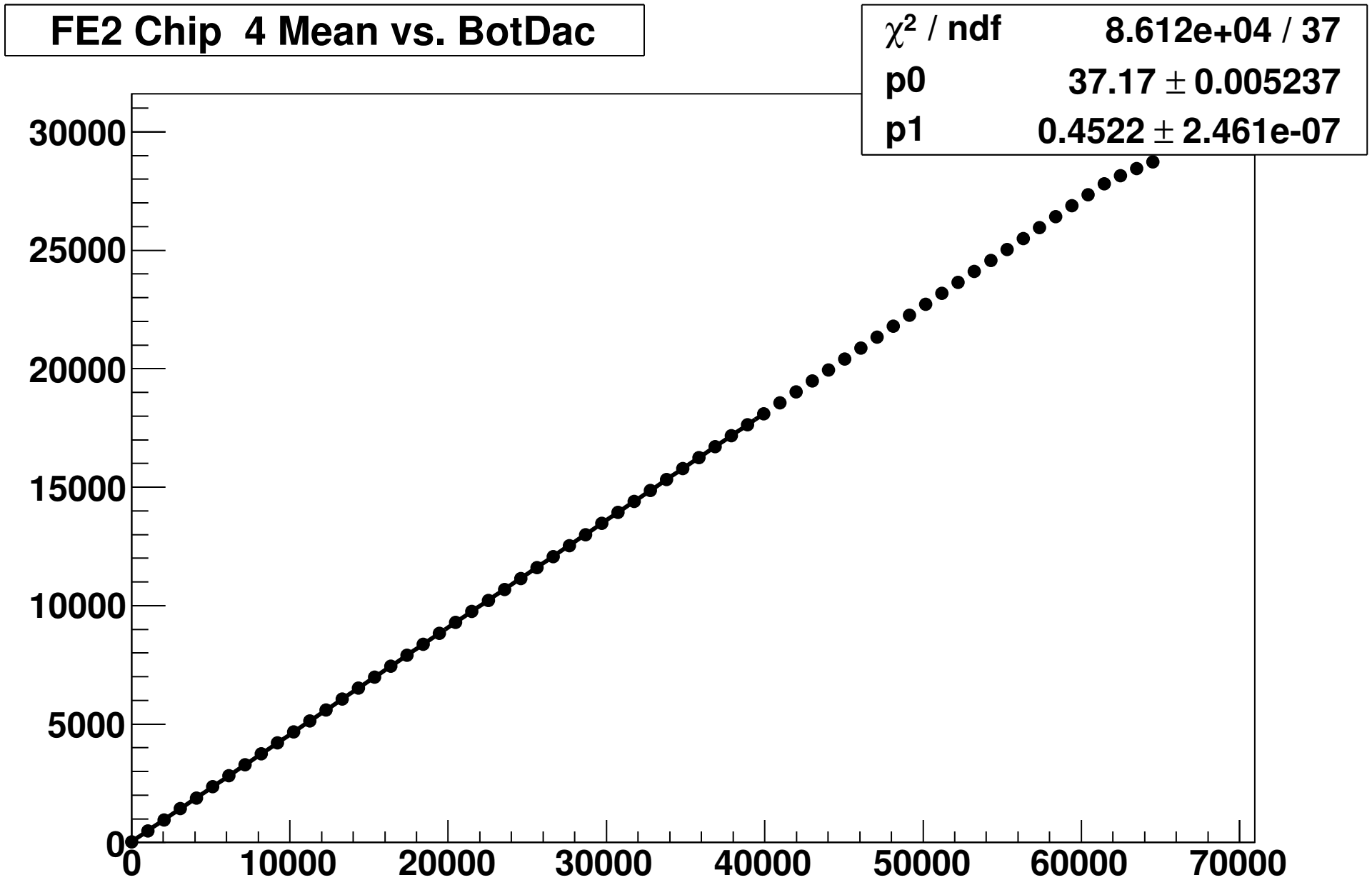

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 67.26 / 37
p0 1.483 ± 0.002732
p1 1.081e-05 ± 5.252e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

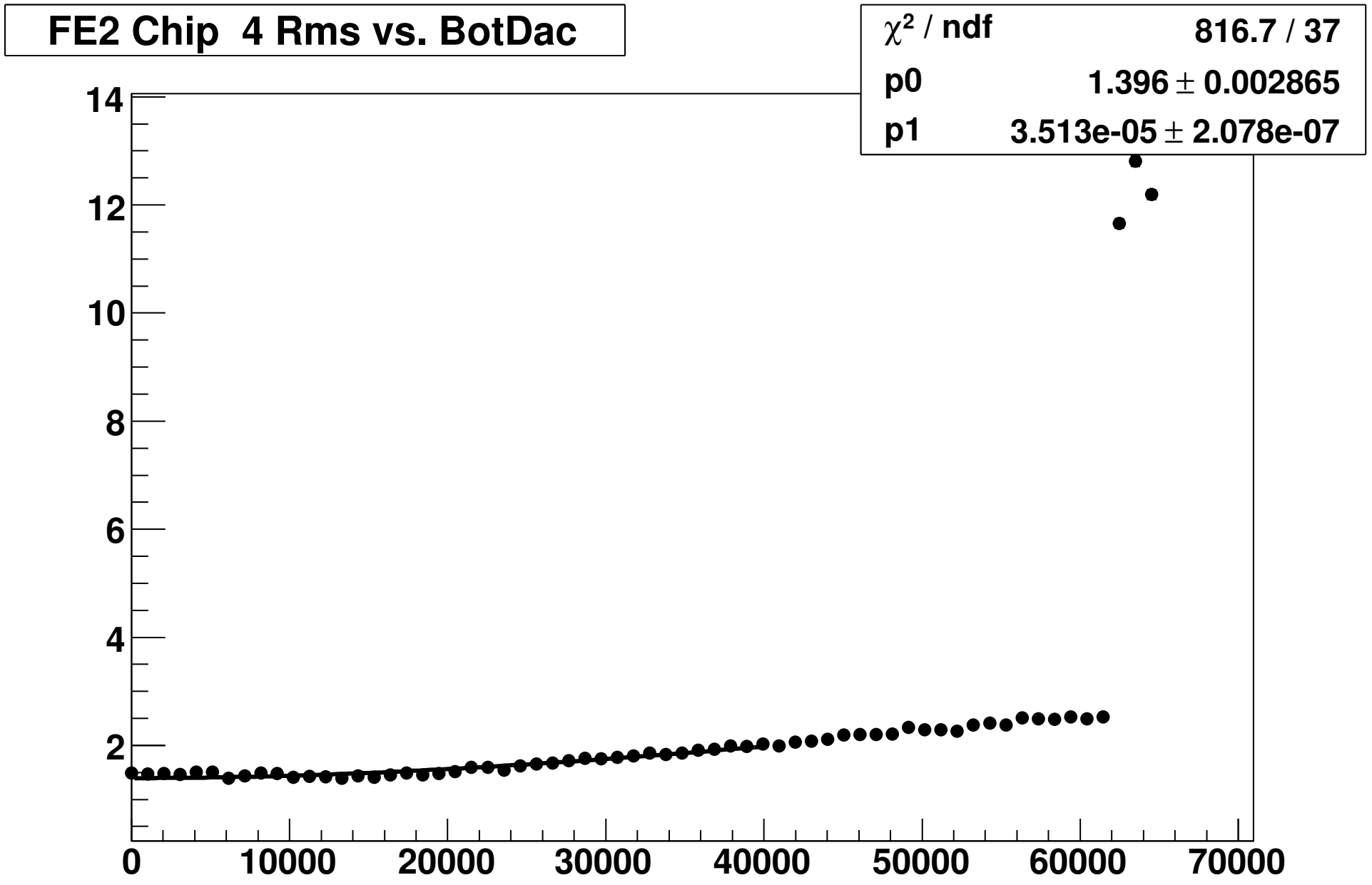

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 3.667e+10 / 37
p0 -449.7 ± 0.005168
p1 0.4501 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

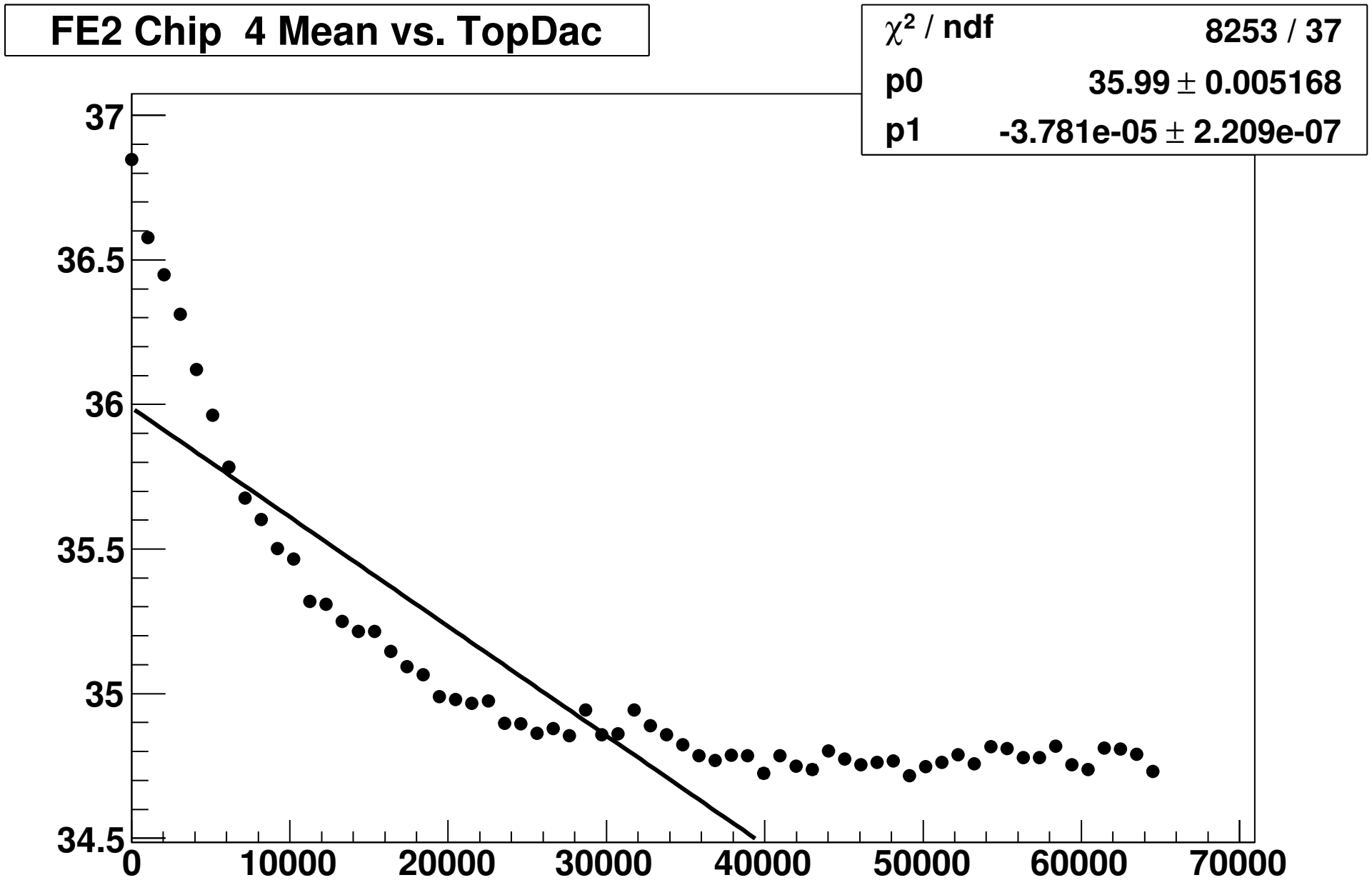

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 643.8 / 37
p0 1.383 ± 0.002839
p1 3.506e-05 ± 2.052e-07
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

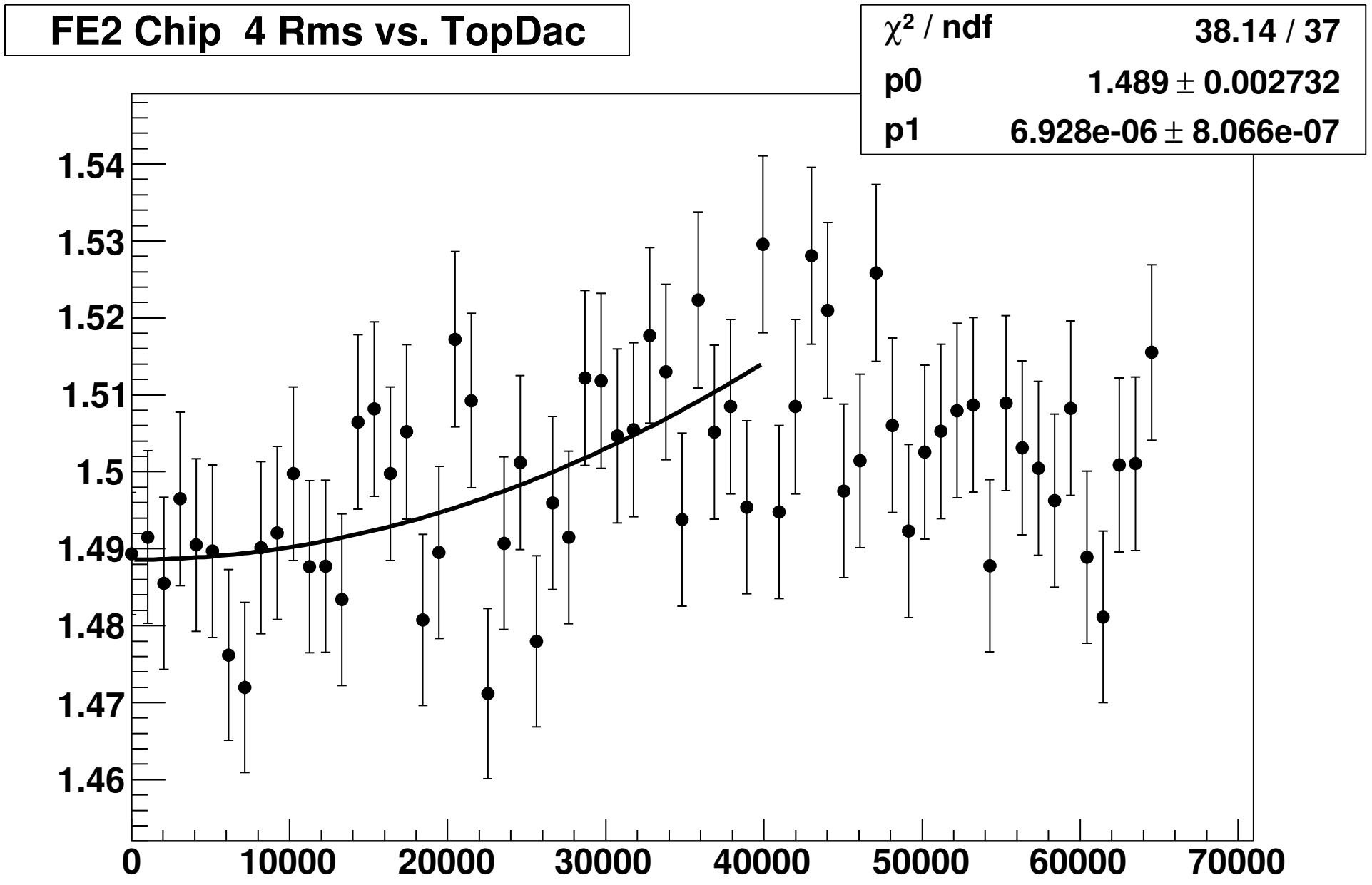

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 2.141e+04 / 37
p0 38.33 ± 0.005181
p1 -6.271e-05 ± 2.205e-07
40
39.5
39
38.5
38
37.5
37
36.5
36
0
10000
20000
30000
40000
50000
60000
70000

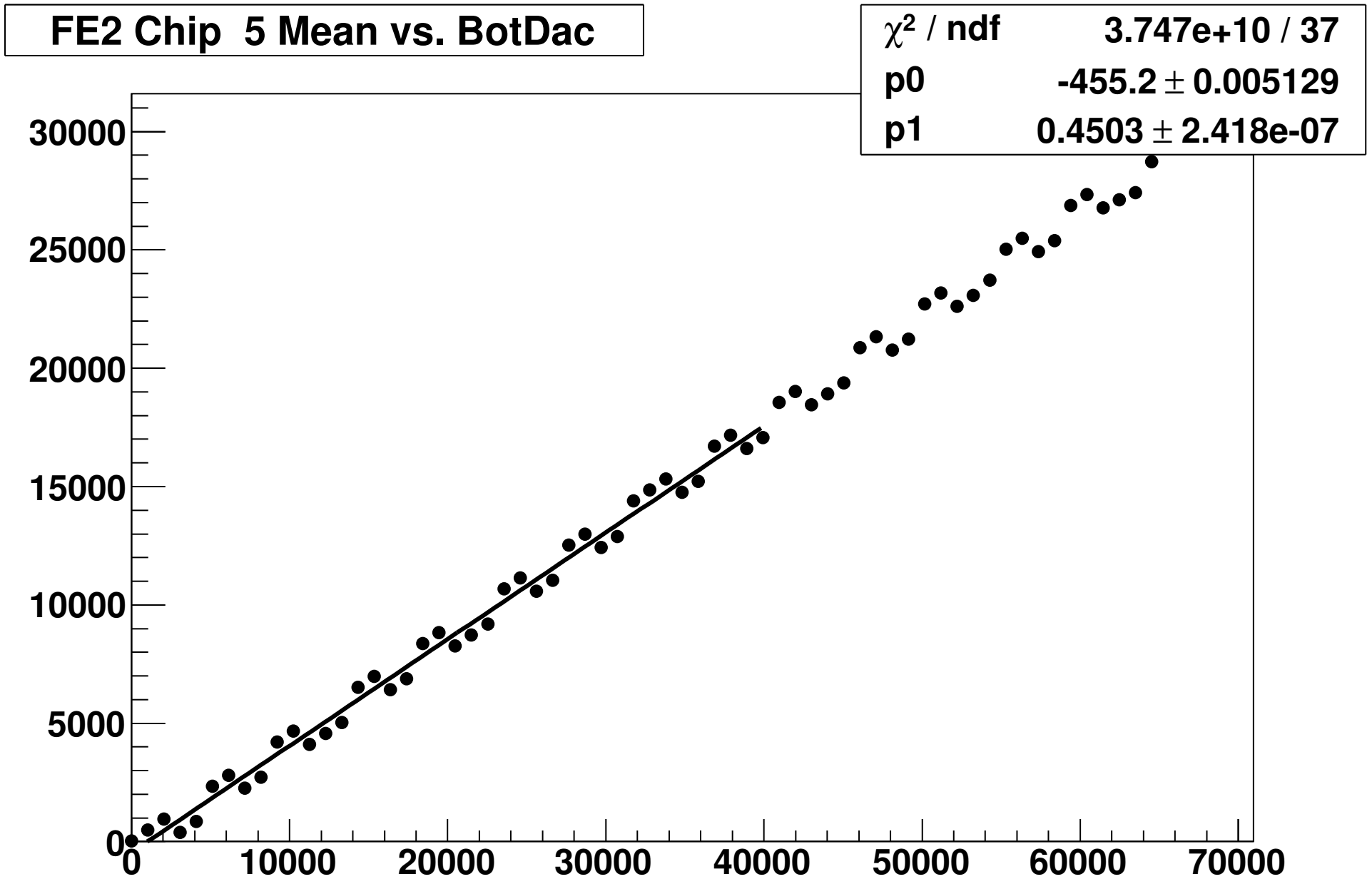

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 40.93 / 37
p0 1.492 ± 0.00271
p1 2.063e-06 ± 2.672e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

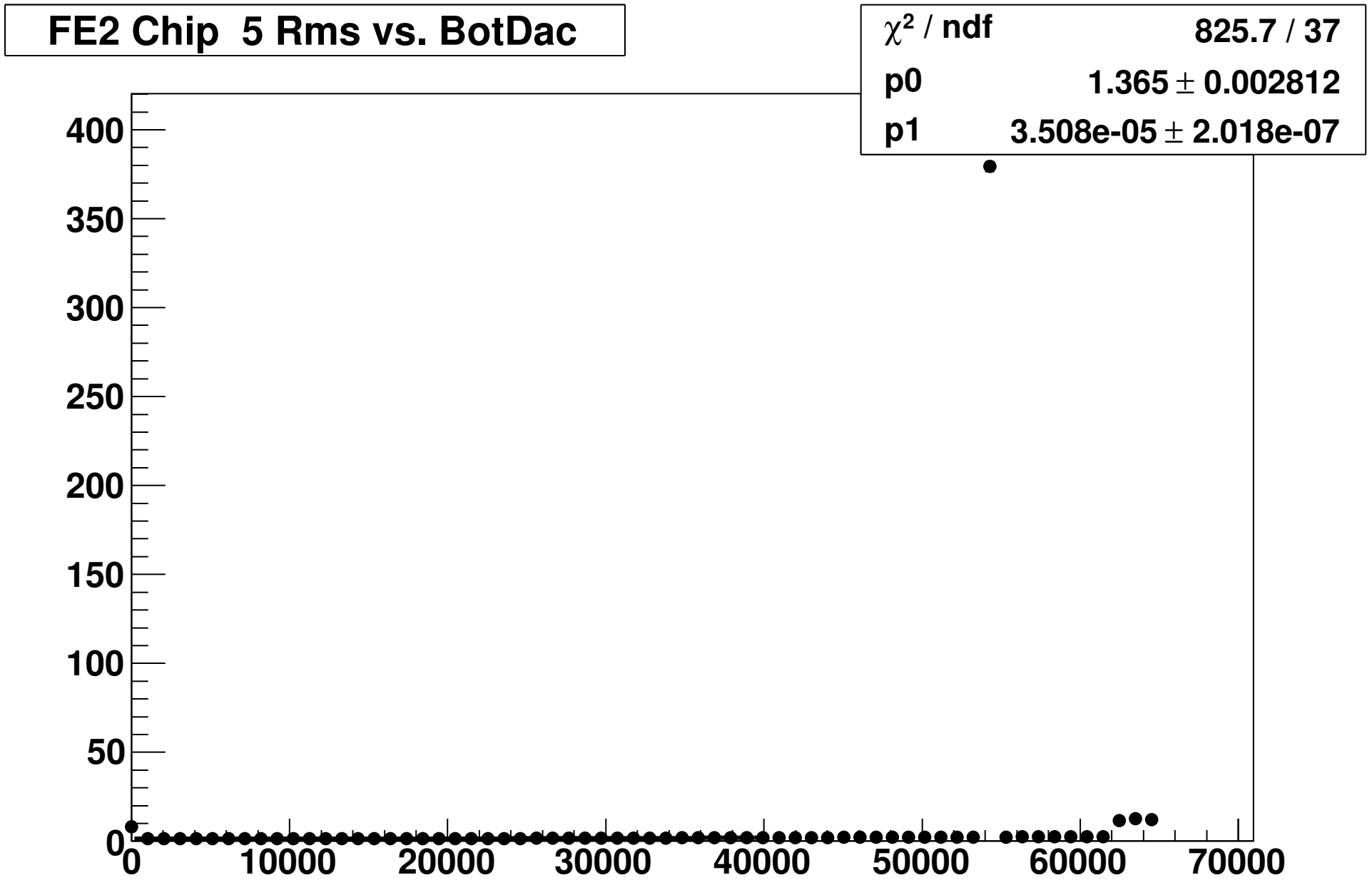

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 8.612e+04 / 37
p0 37.17 ± 0.005237
p1 0.4522 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

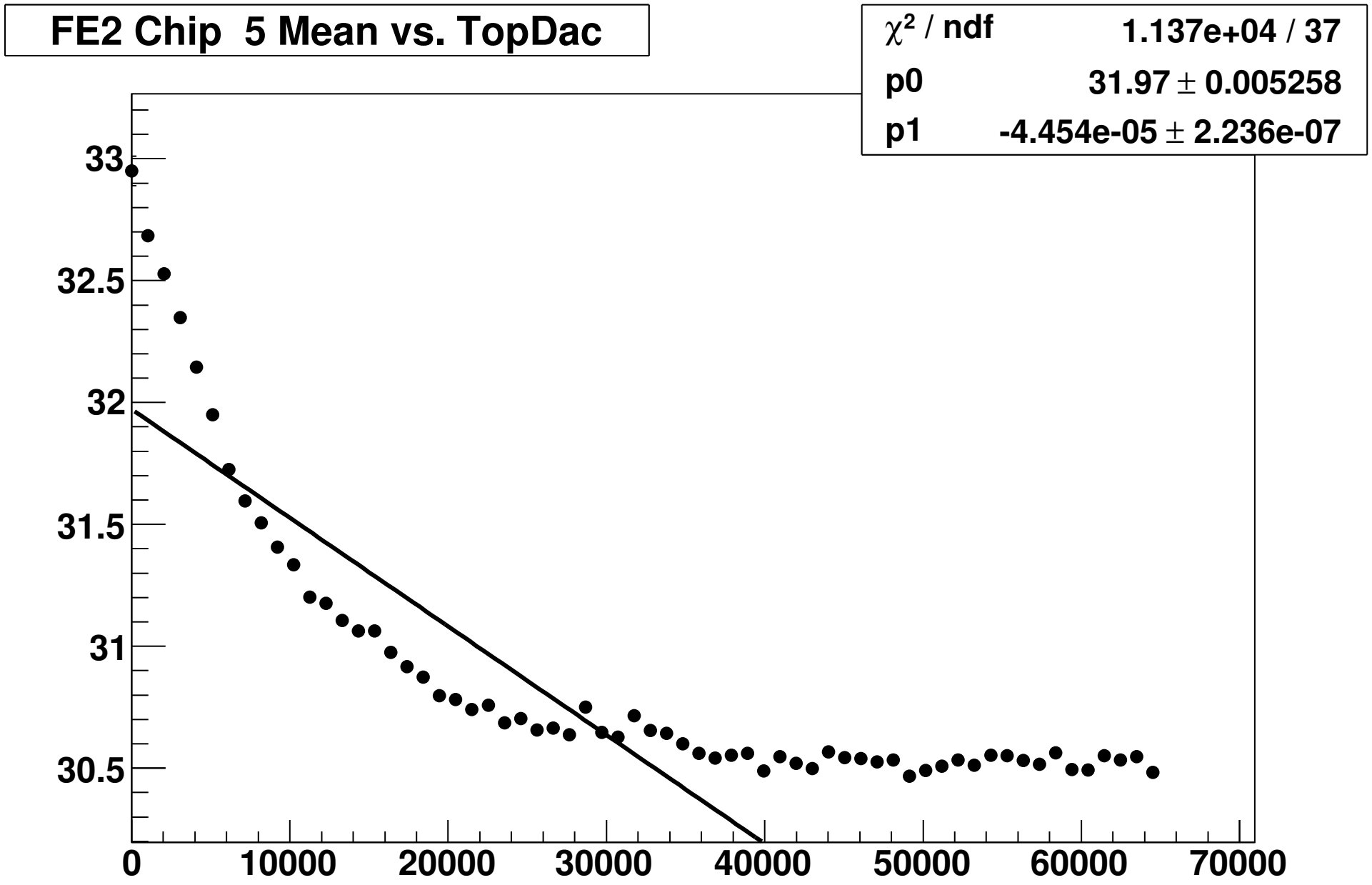

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 816.7 / 37
p0 1.396 ± 0.002865
p1 3.513e-05 ± 2.078e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 8253 / 37
p0 35.99 ± 0.005168
p1 -3.781e-05 ± 2.209e-07
37
36.5
36
35.5
35
34.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 38.14 / 37
p0 1.489 ± 0.002732
p1 6.928e-06 ± 8.066e-07
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


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 3.747e+10 / 37
p0 -455.2 ± 0.005129
p1 0.4503 ± 2.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 825.7 / 37
p0 1.365 ± 0.002812
p1 3.508e-05 ± 2.018e-07
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 1.137e+04 / 37
p0 31.97 ± 0.005258
p1 -4.454e-05 ± 2.236e-07
33
32.5
32
31.5
31
30.5
0
10000
20000
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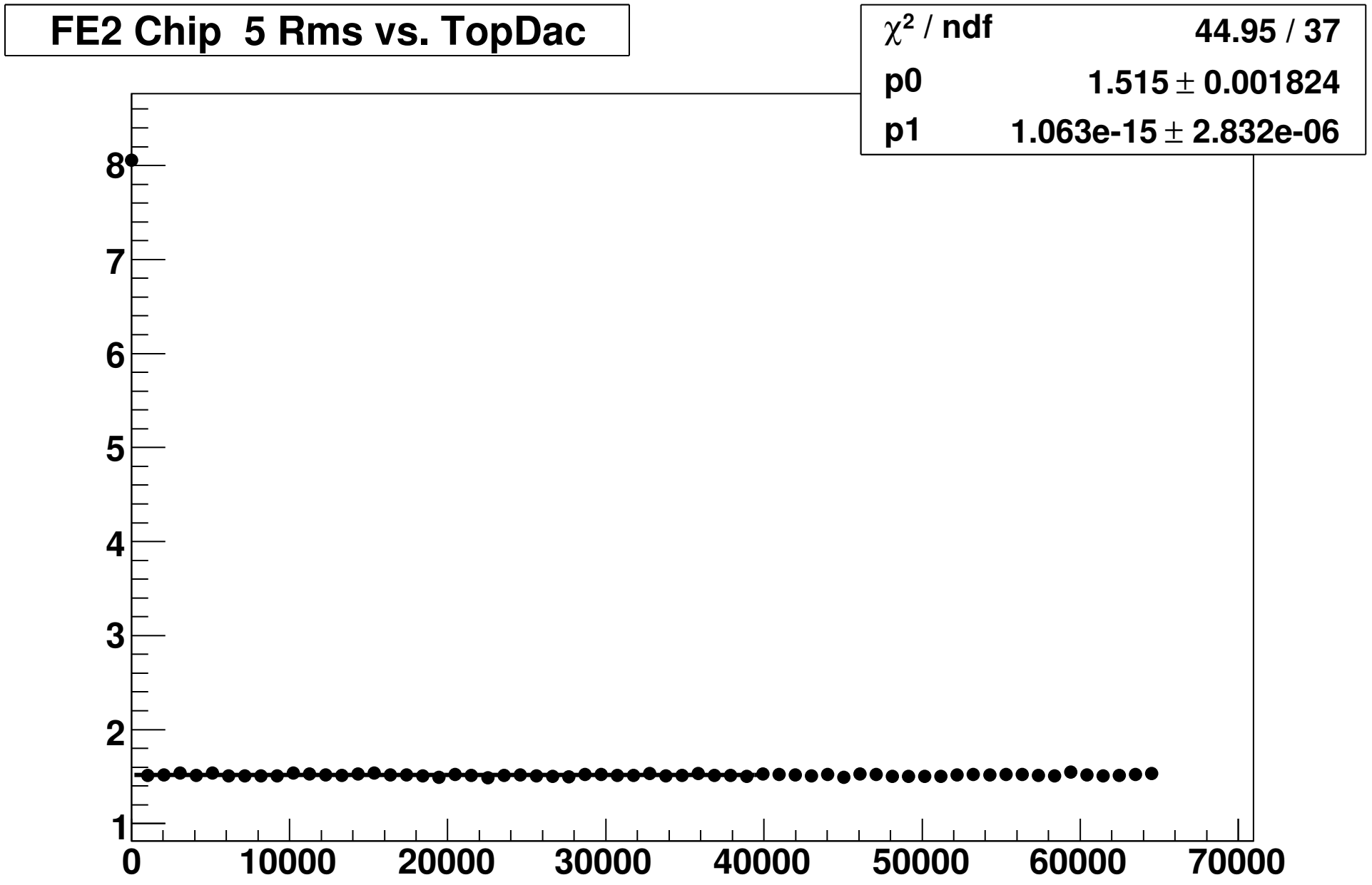
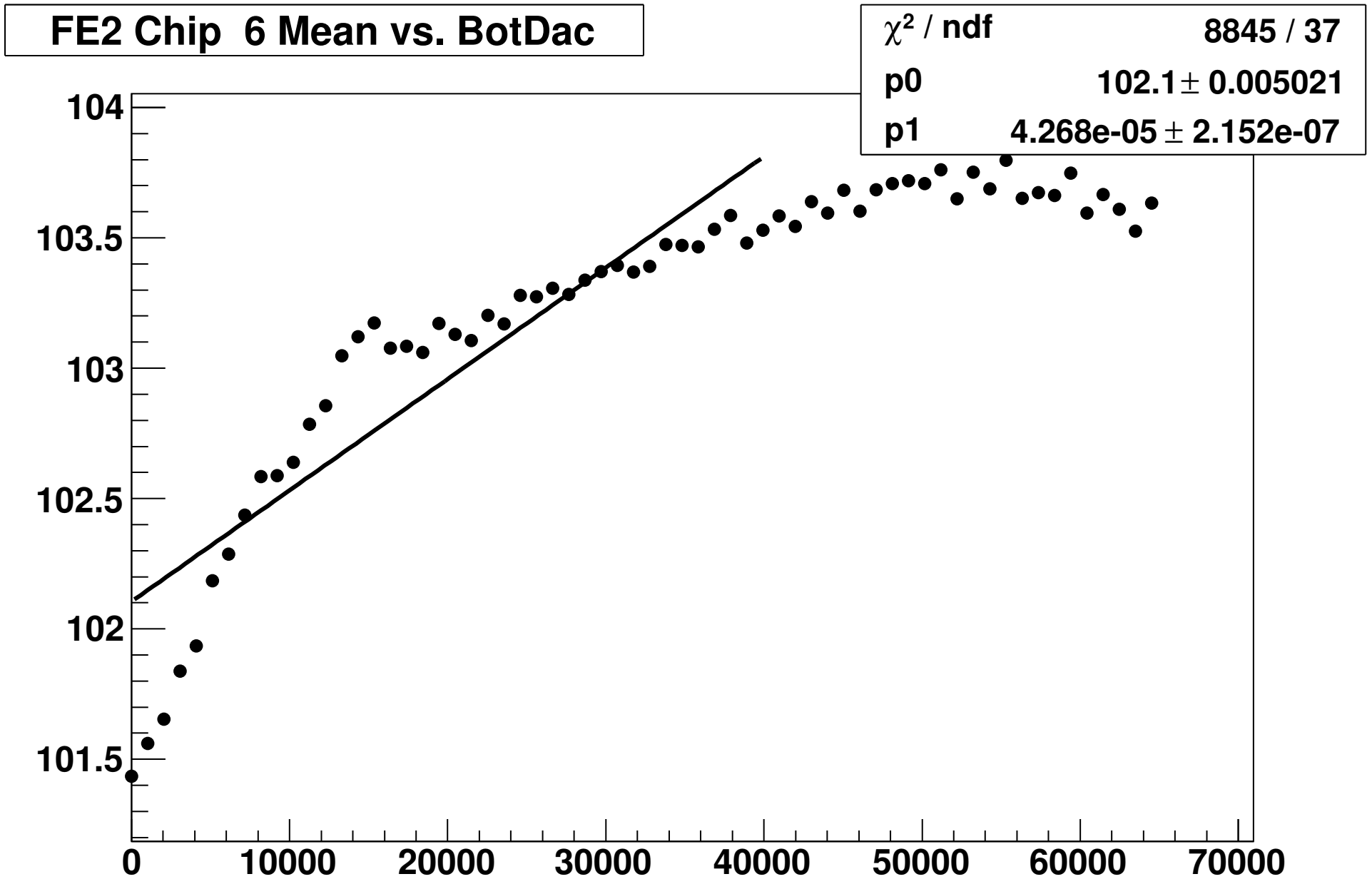
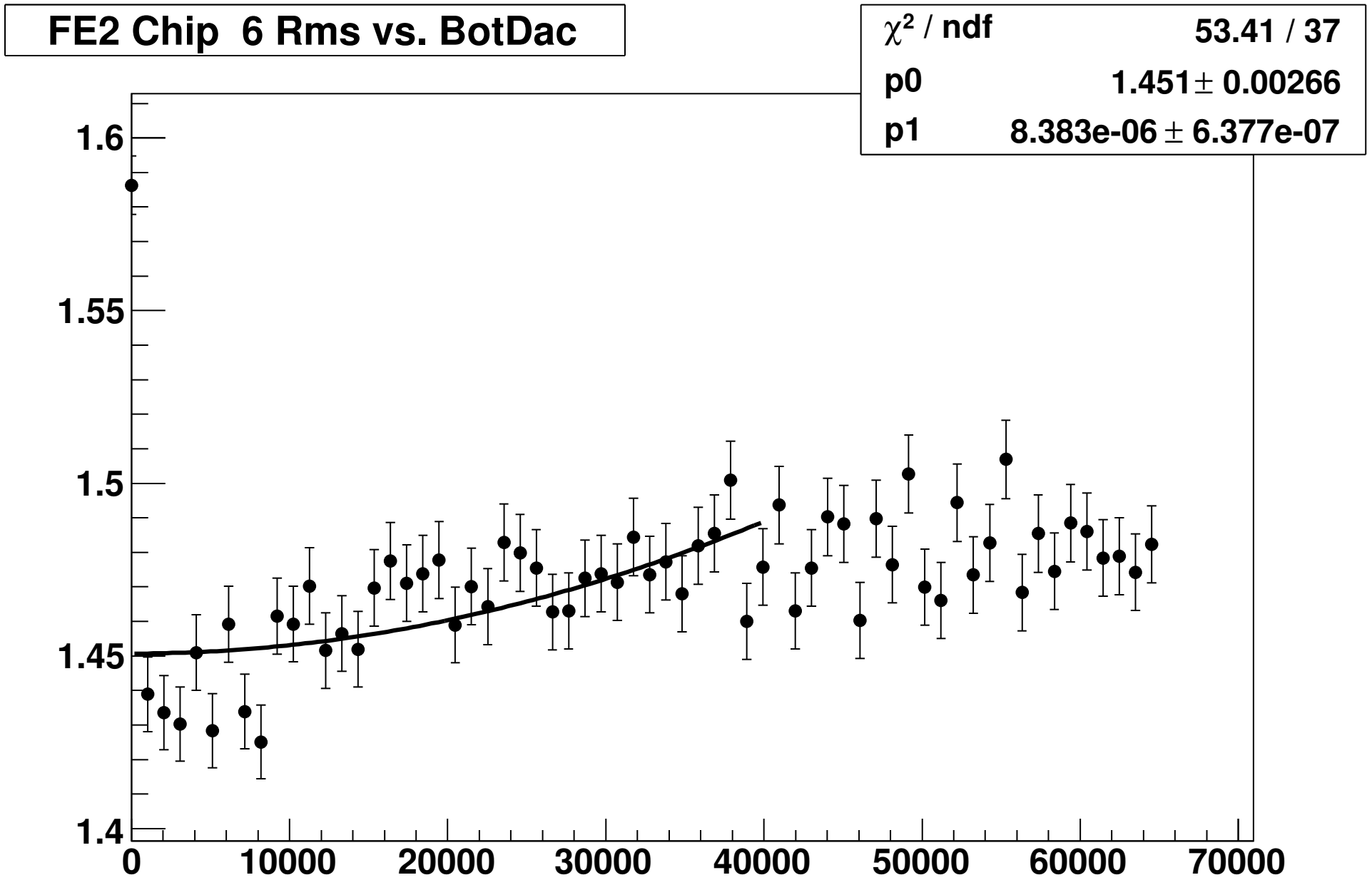
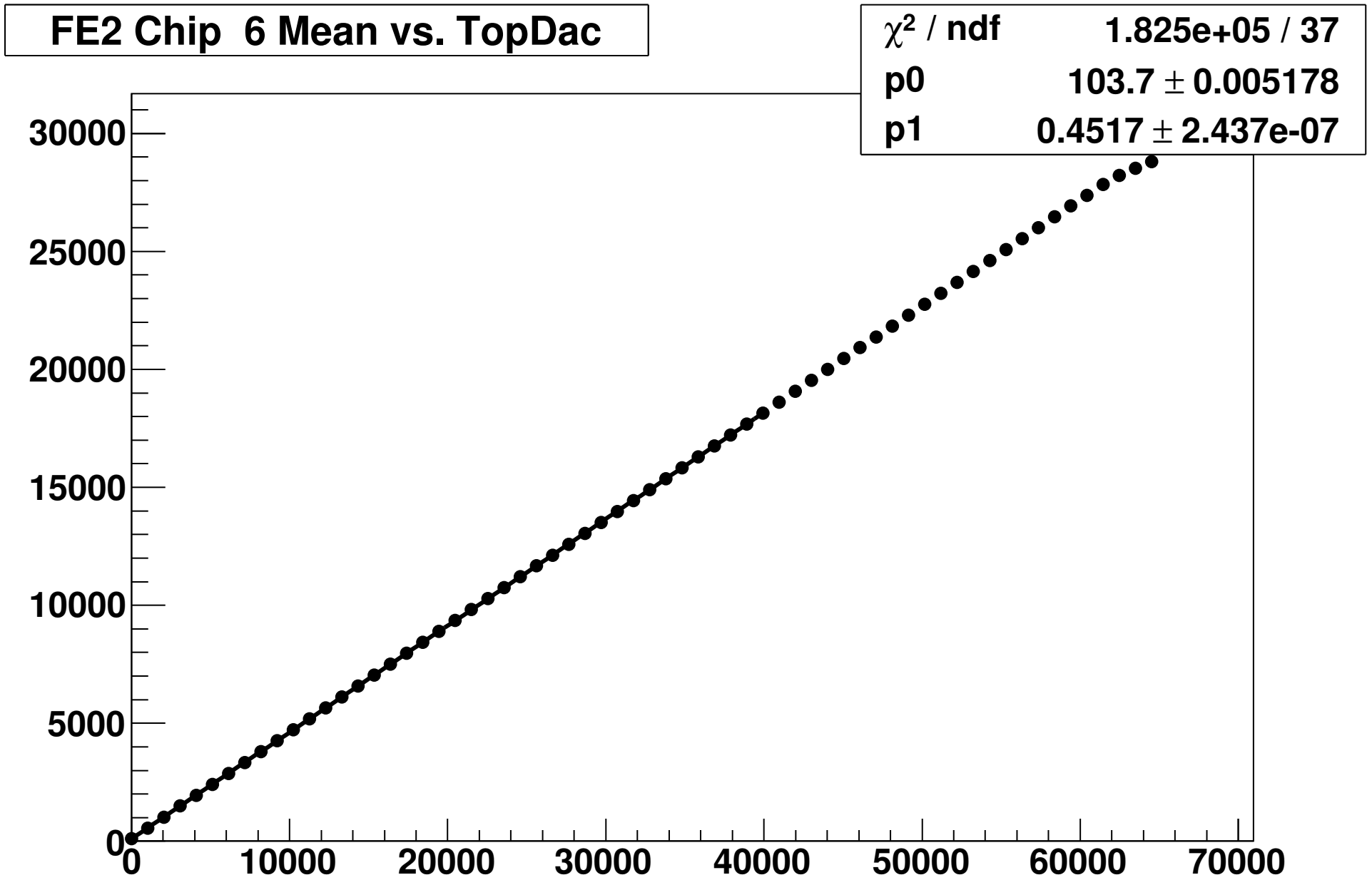
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 44.95 / 37
p0 1.515 ± 0.001824
p1 1.063e-15 ± 2.832e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 8845 / 37
p0 102.1 ± 0.005021
p1 4.268e-05 ± 2.152e-07
104
103.5
103
102.5
102
101.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 53.41 / 37
p0 1.451 ± 0.00266
p1 8.383e-06 ± 6.377e-07
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.825e+05 / 37
p0 103.7 ± 0.005178
p1 0.4517 ± 2.437e-07
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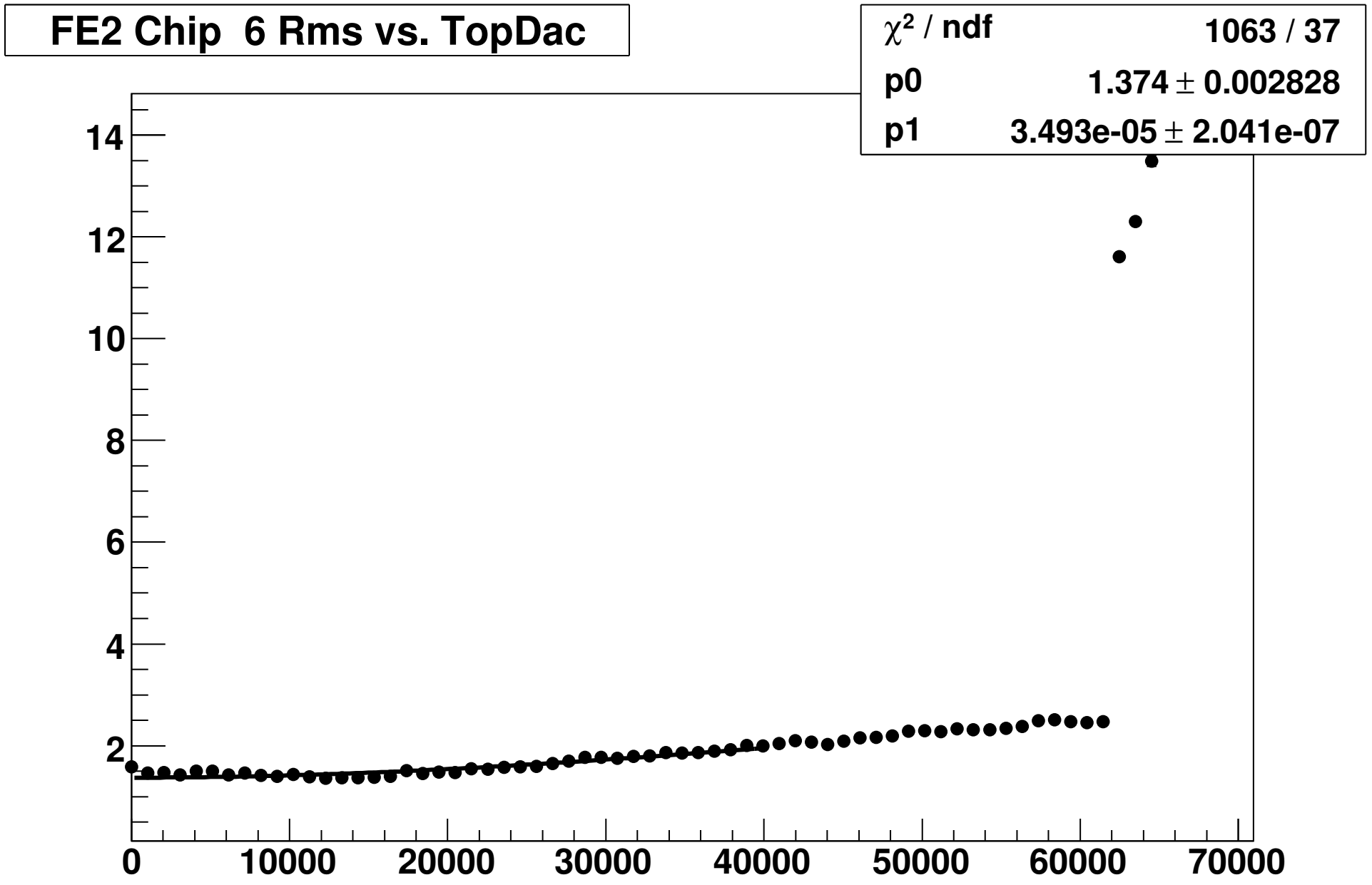
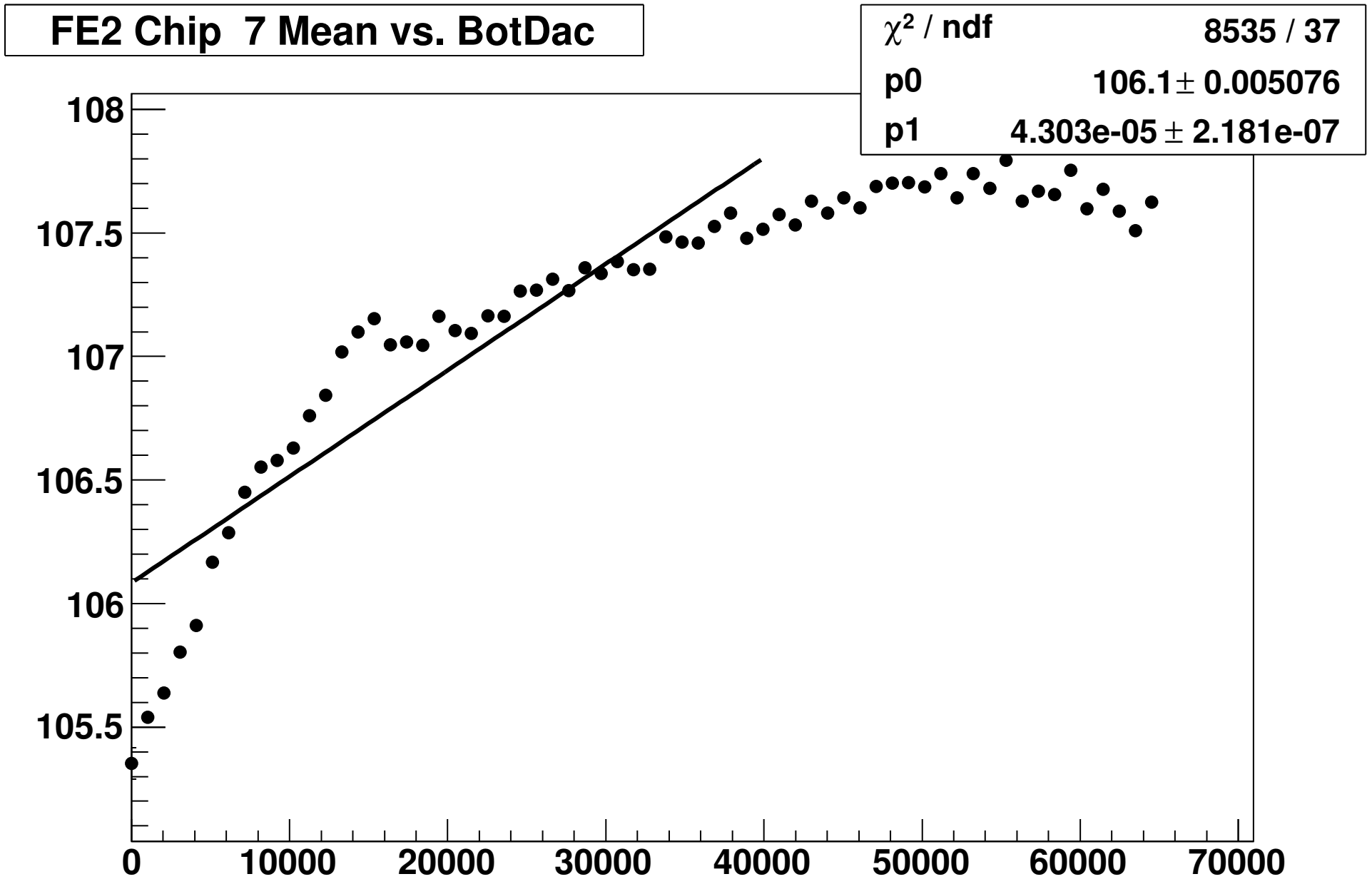
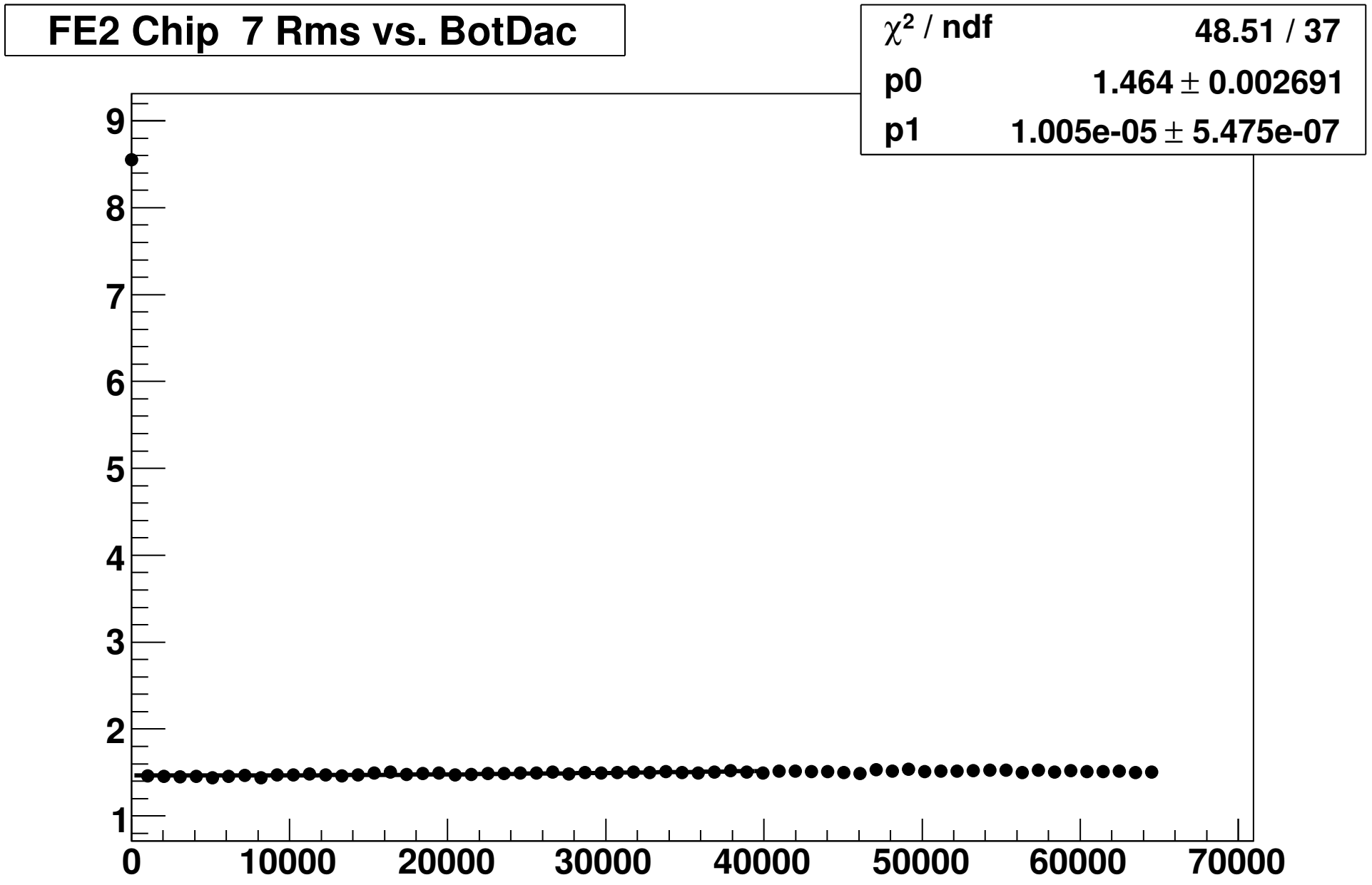
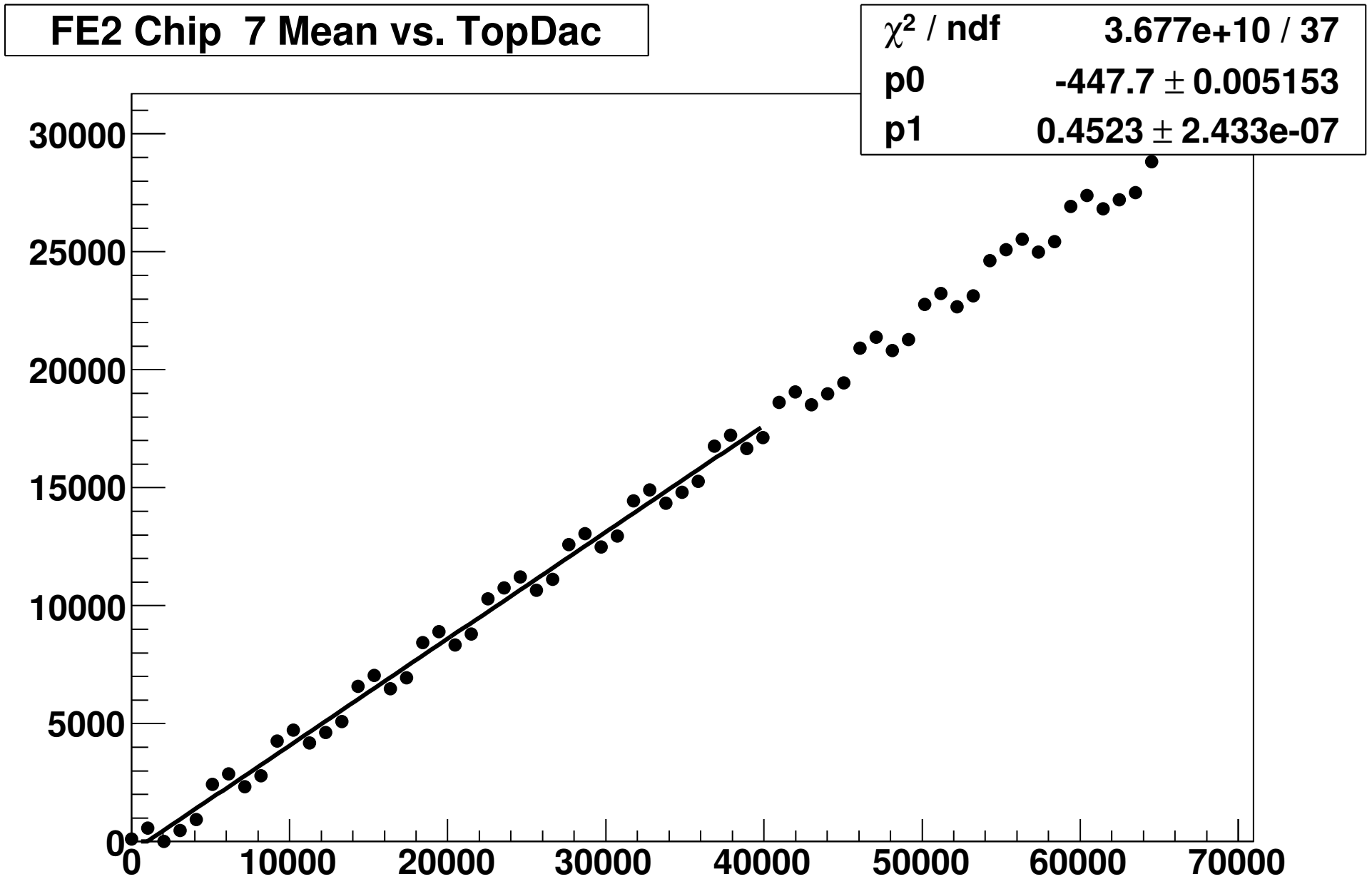
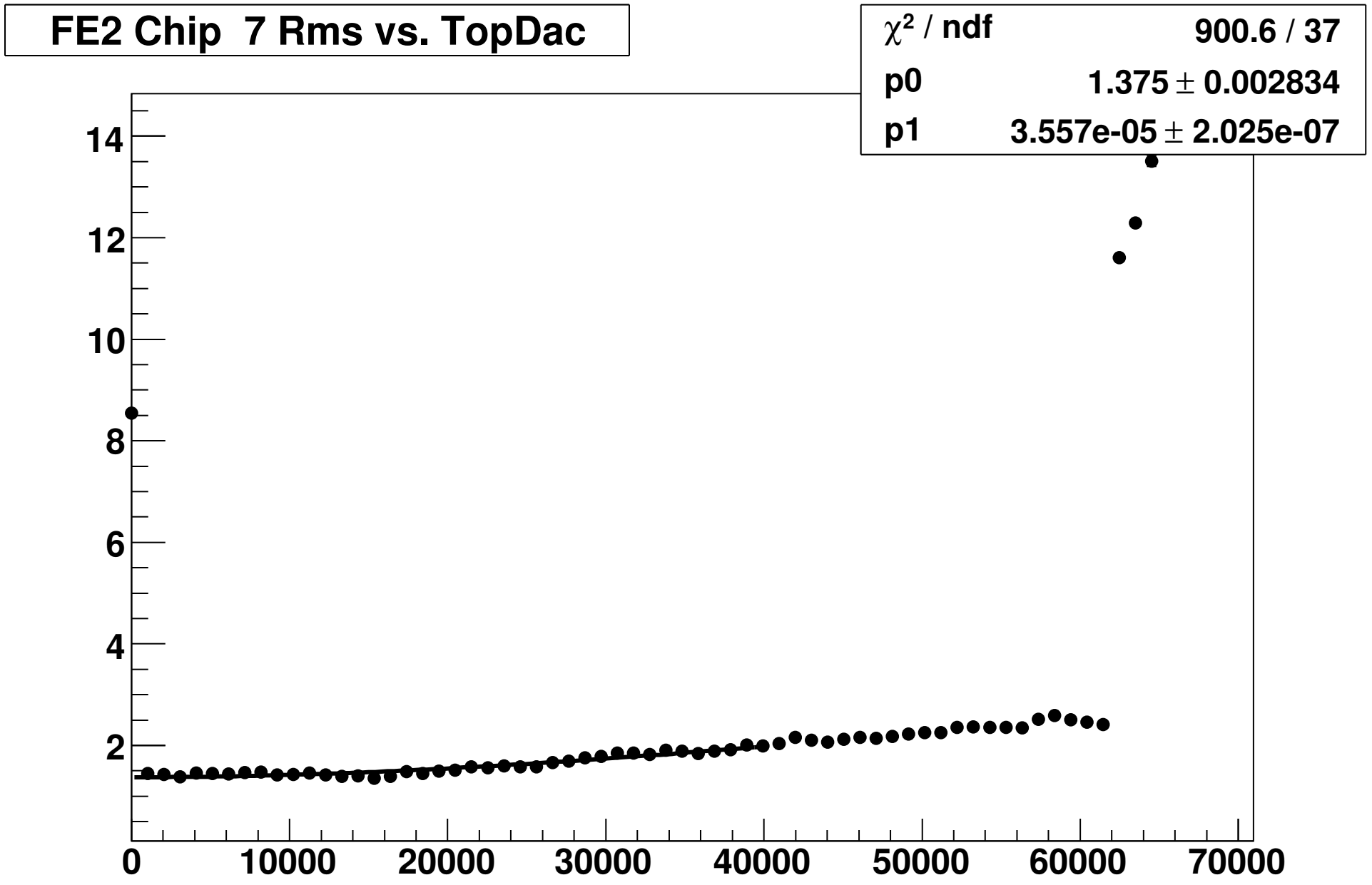
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

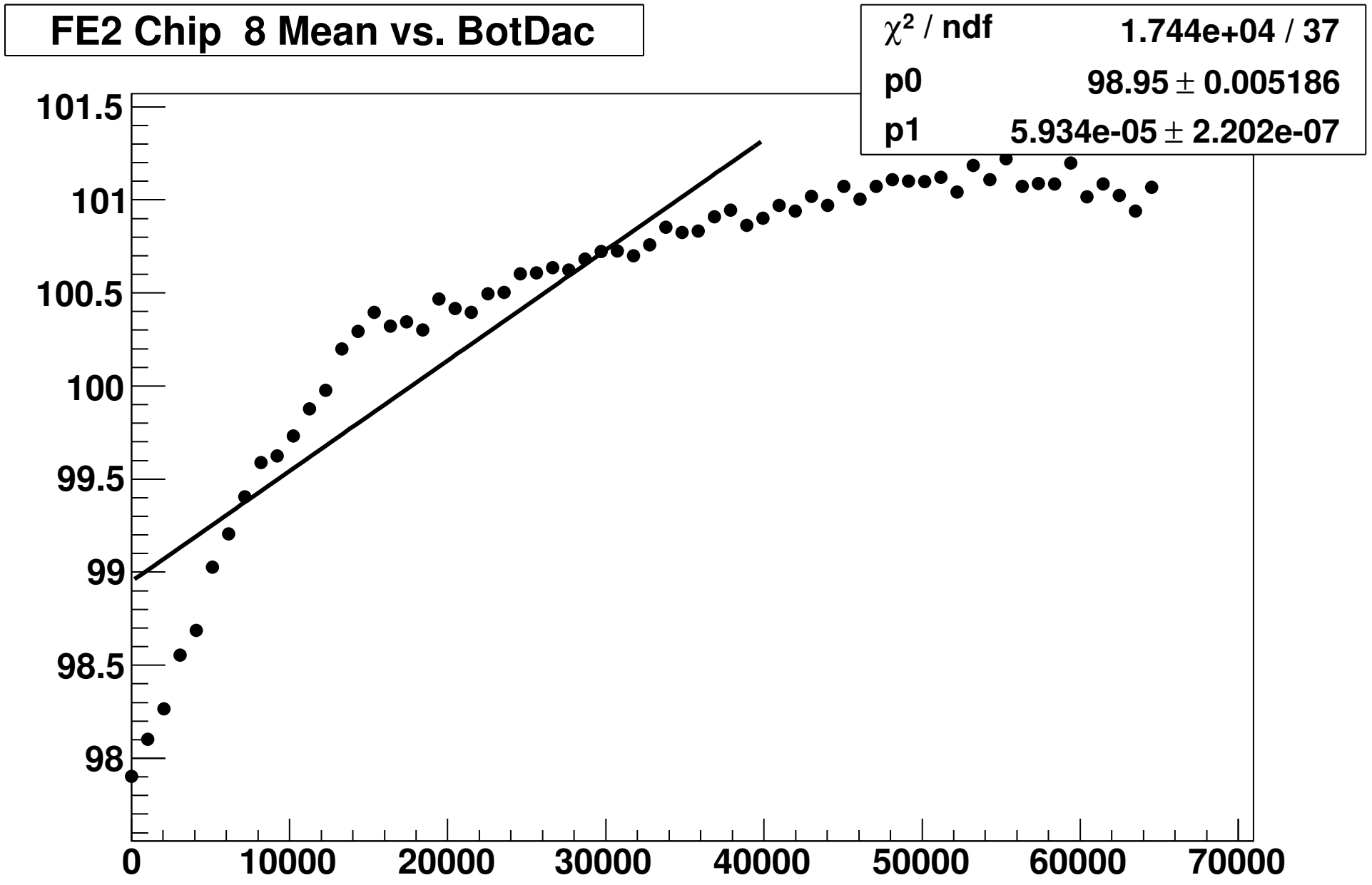

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 1063 / 37
p0 1.374 ± 0.002828
p1 3.493e-05 ± 2.041e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

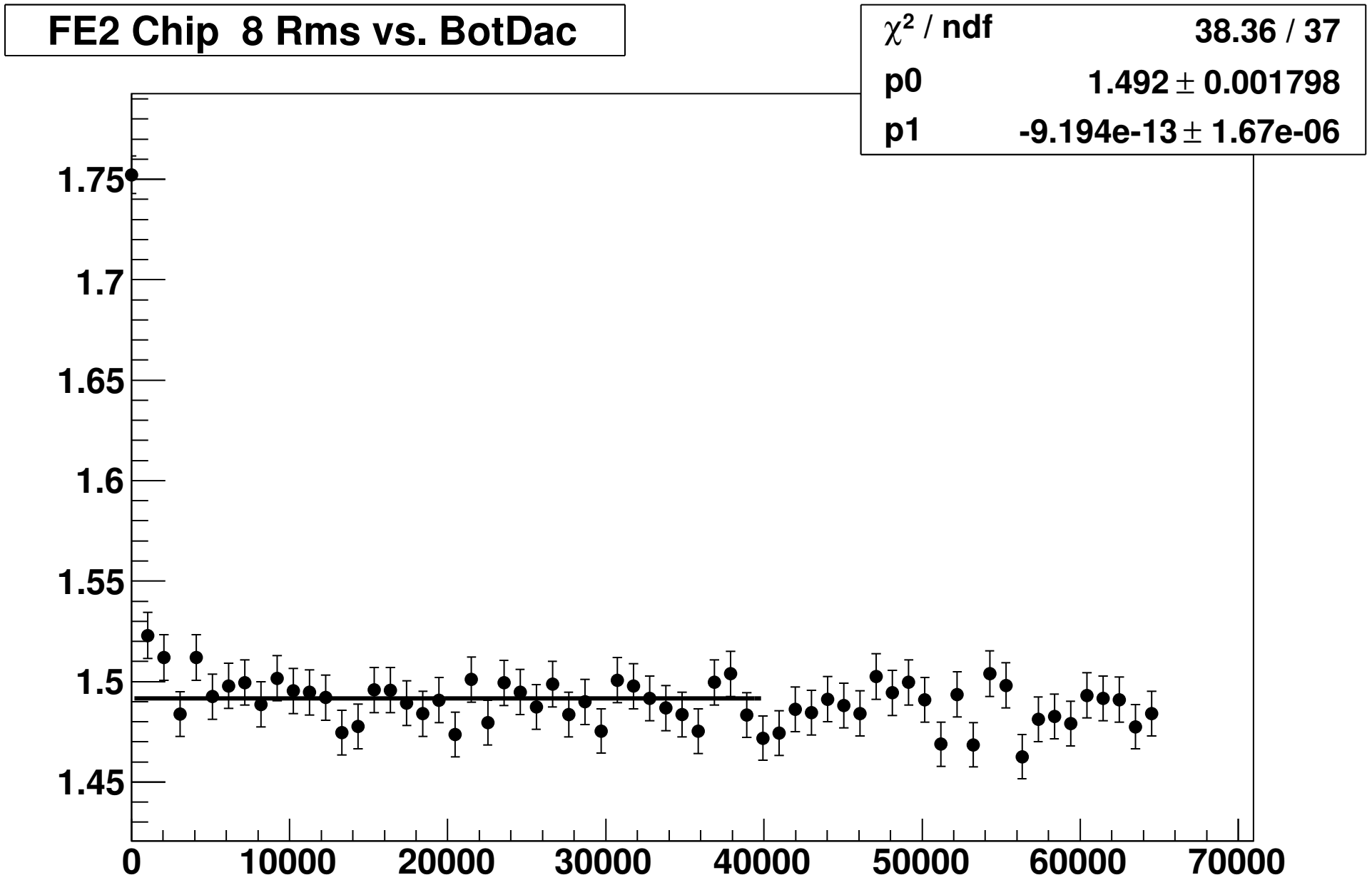

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 8535 / 37
p0 106.1 ± 0.005076
p1 4.303e-05 ± 2.181e-07
108
107.5
107
106.5
106
105.5
0
10000
20000
30000
40000
50000
60000
70000

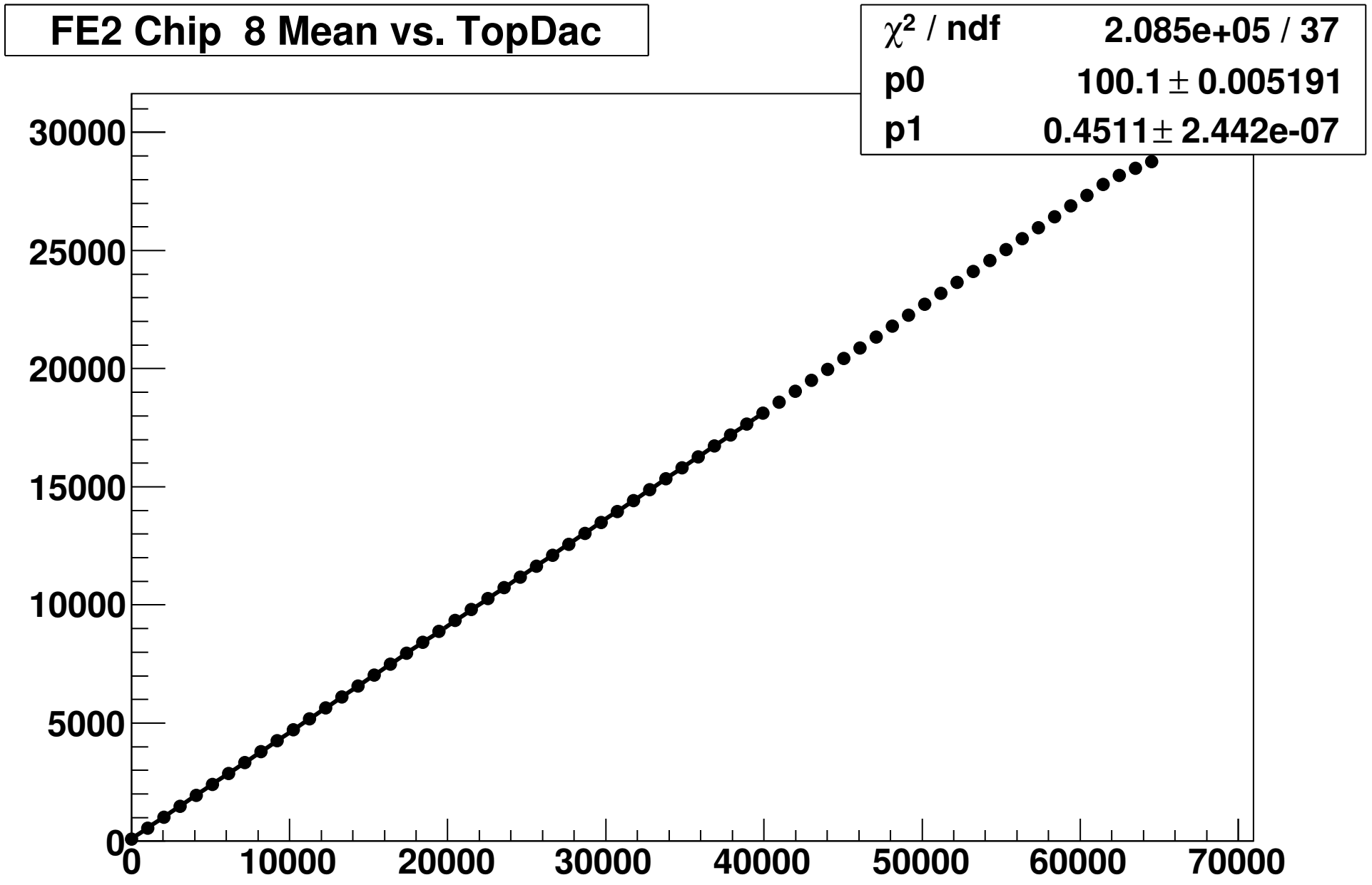

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 48.51 / 37
p0 1.464 ± 0.002691
p1 1.005e-05 ± 5.475e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

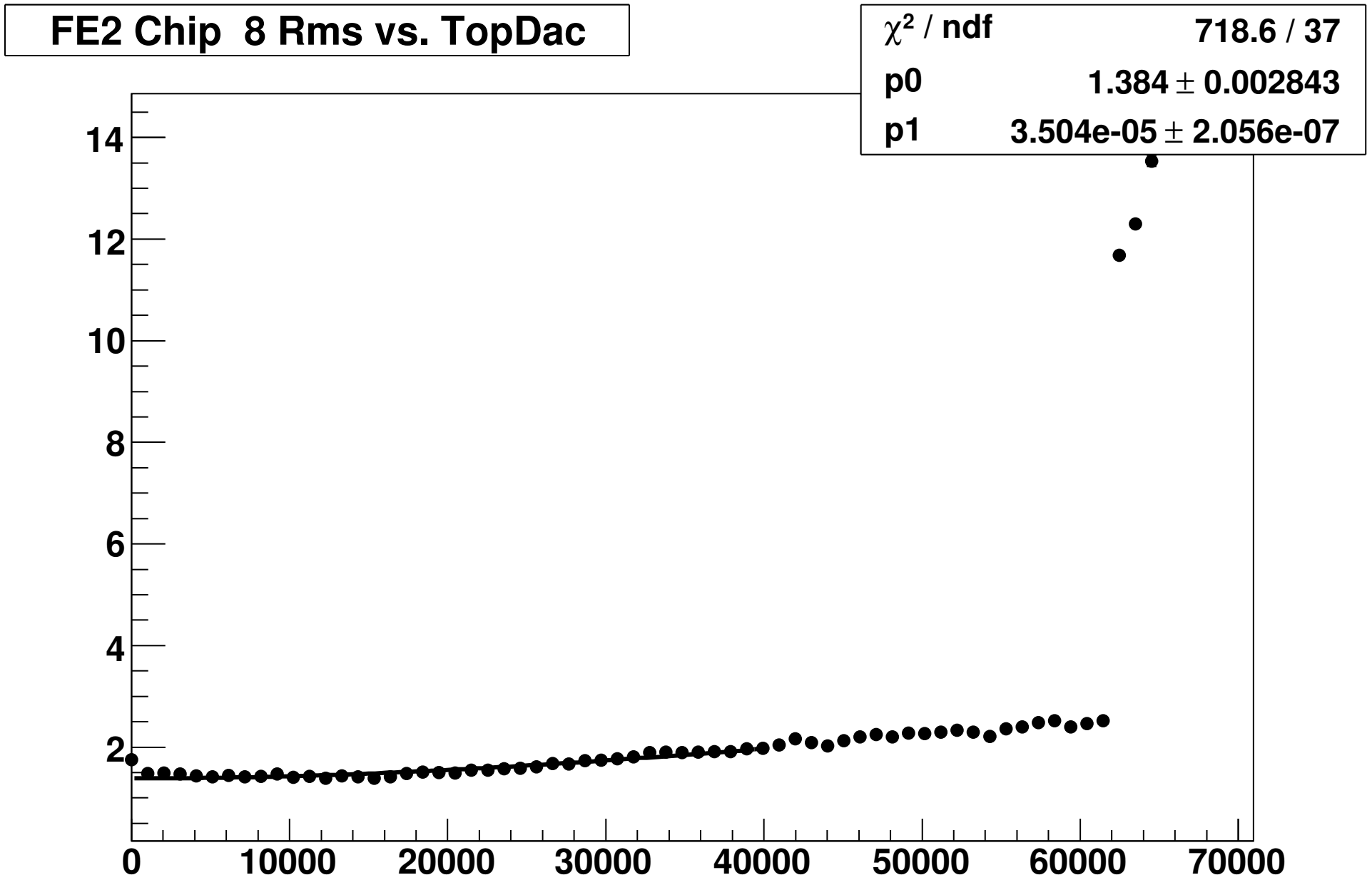

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 3.677e+10 / 37
p0 -447.7 ± 0.005153
p1 0.4523 ± 2.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

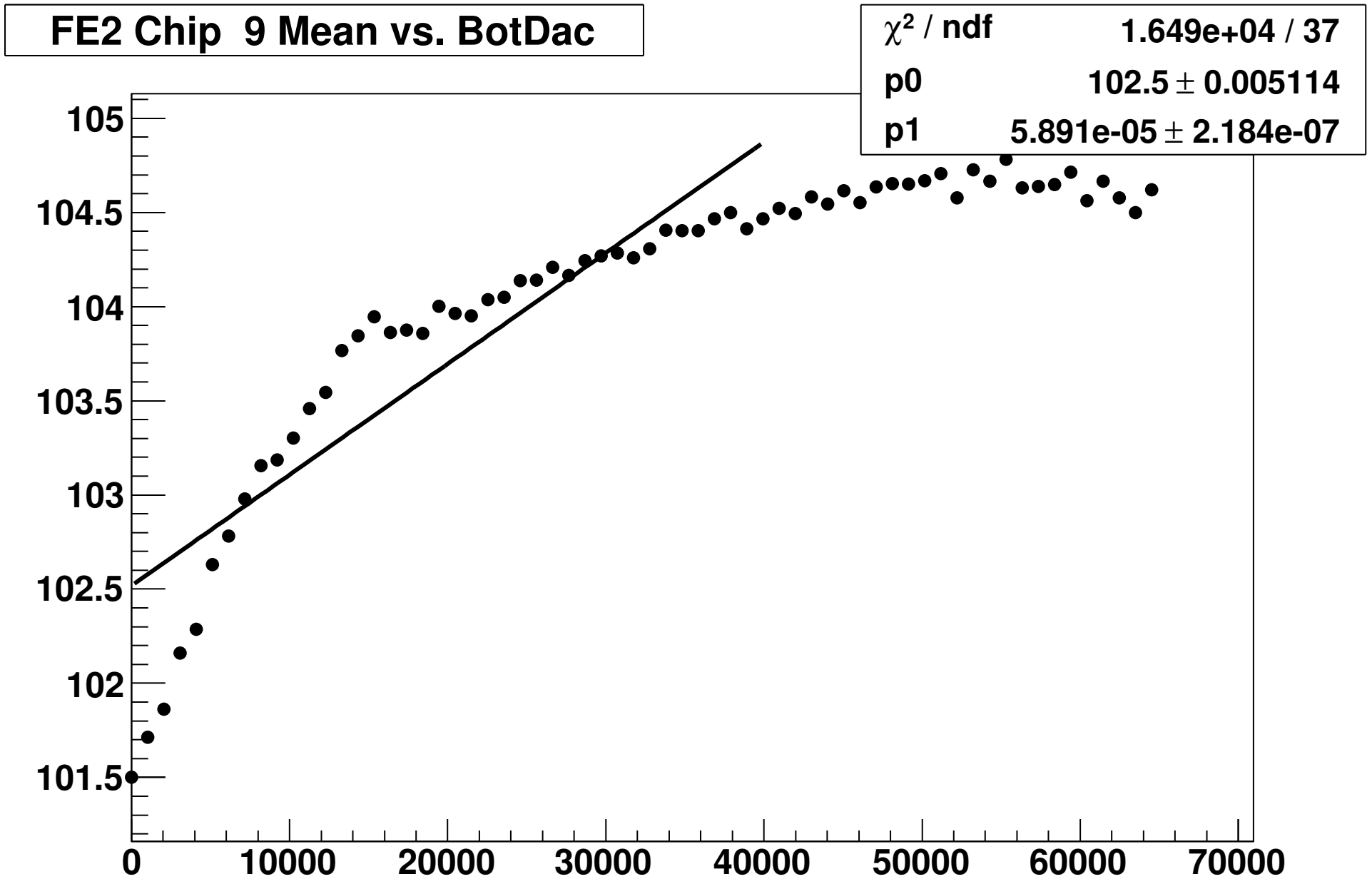

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 900.6 / 37
p0 1.375 ± 0.002834
p1 3.557e-05 ± 2.025e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

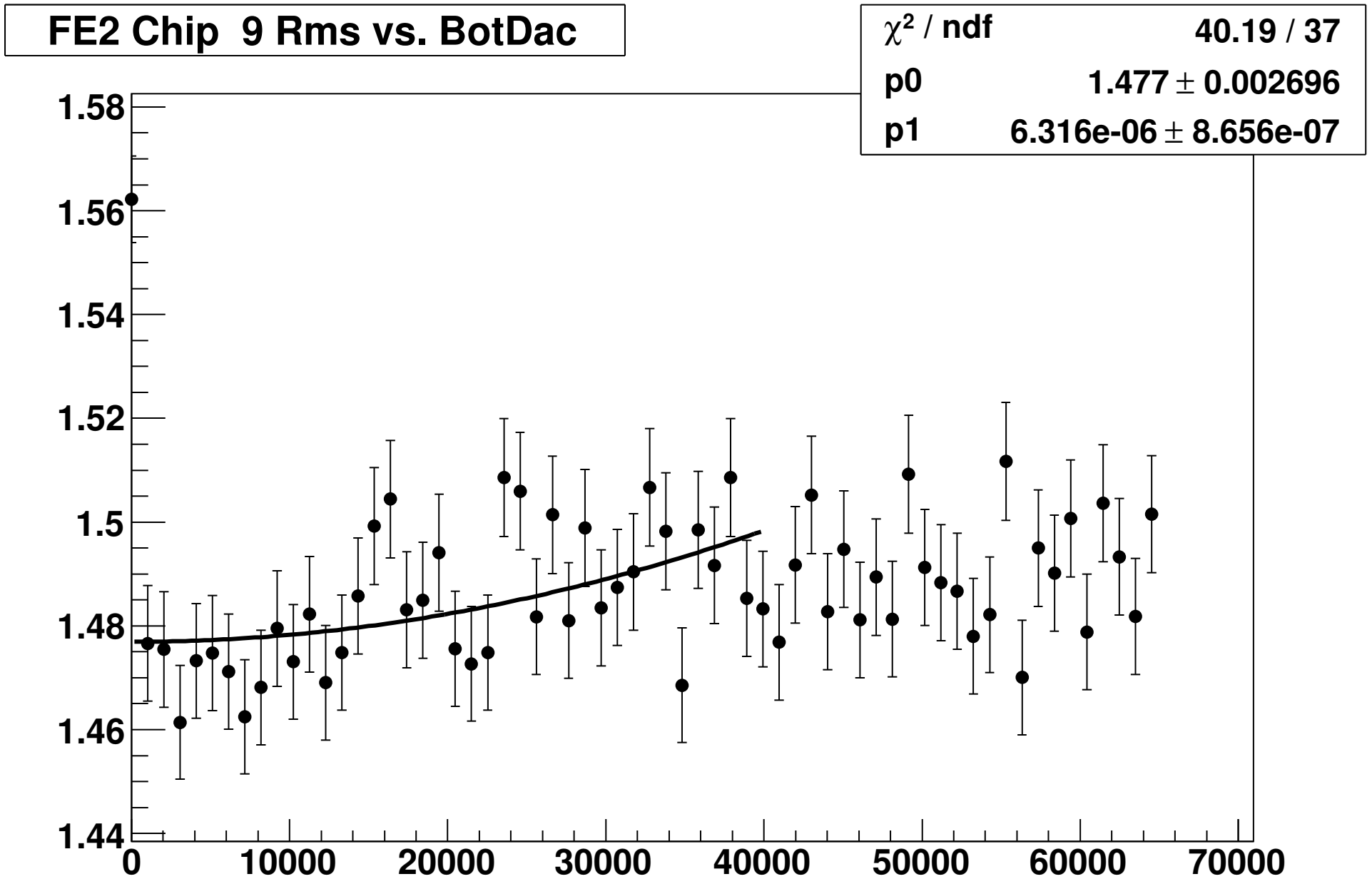

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 1.744e+04 / 37
p0 98.95 ± 0.005186
p1 5.934e-05 ± 2.202e-07
101.5
101
100.5
100
99.5
99
98.5
98
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 38.36 / 37
p0 1.492 ± 0.001798
p1 -9.194e-13 ± 1.67e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 2.085e+05 / 37
p0 100.1 ± 0.005191
p1 0.4511 ± 2.442e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 718.6 / 37
p0 1.384 ± 0.002843
p1 3.504e-05 ± 2.056e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 1.649e+04 / 37
p0 102.5 ± 0.005114
p1 5.891e-05 ± 2.184e-07
105
104.5
104
103.5
103
102.5
102
101.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 40.19 / 37
p0 1.477 ± 0.002696
p1 6.316e-06 ± 8.656e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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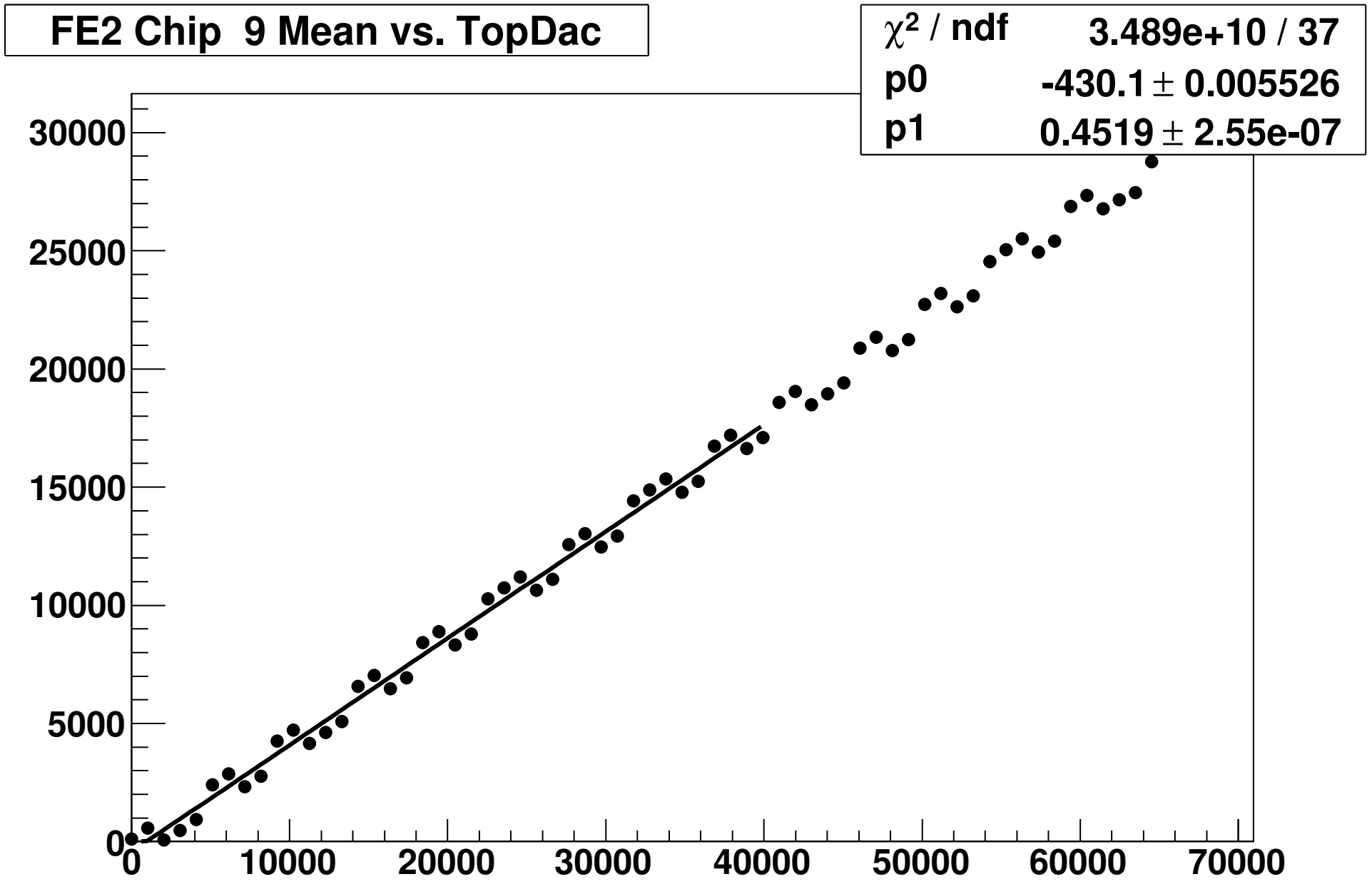
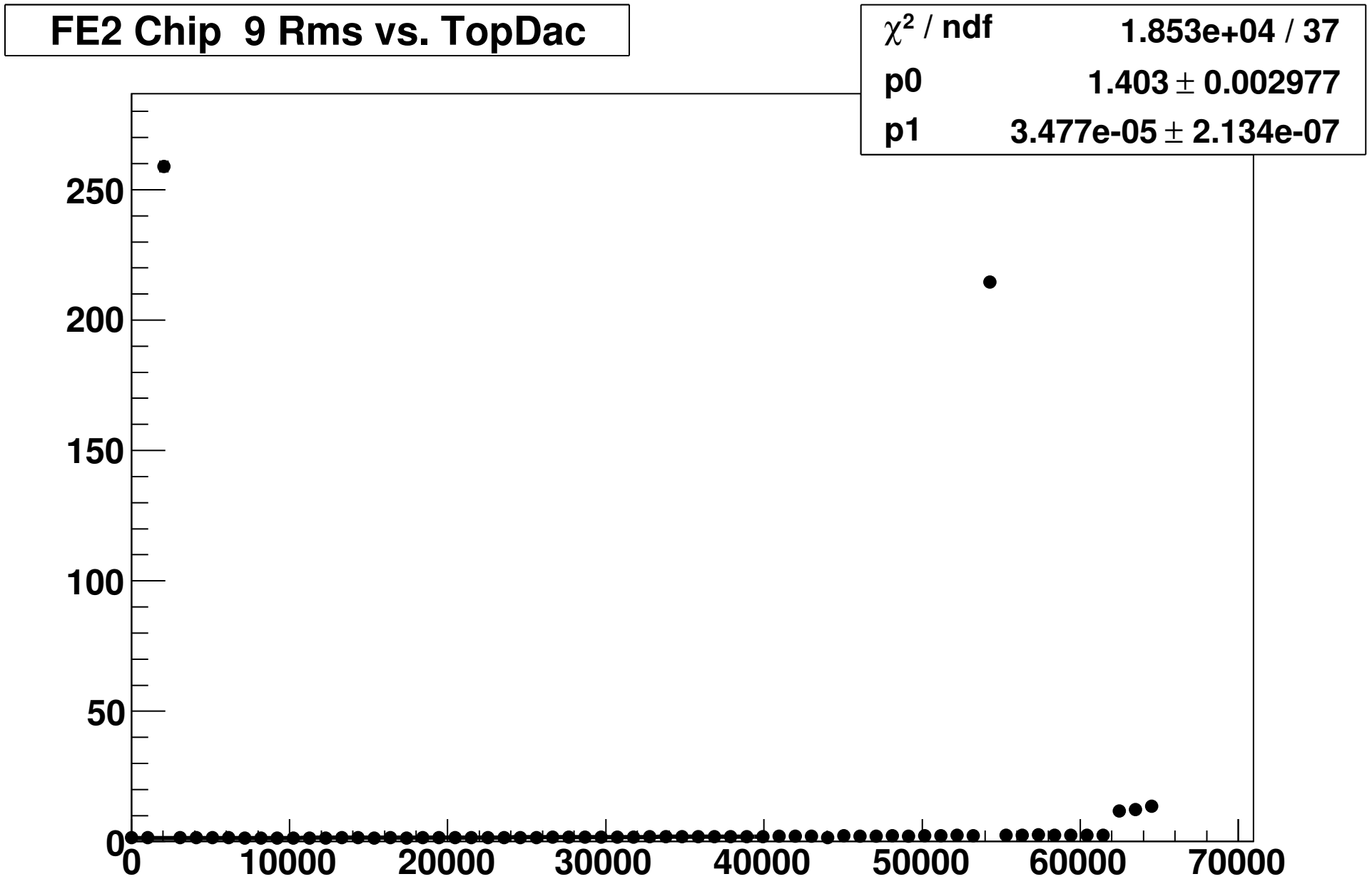
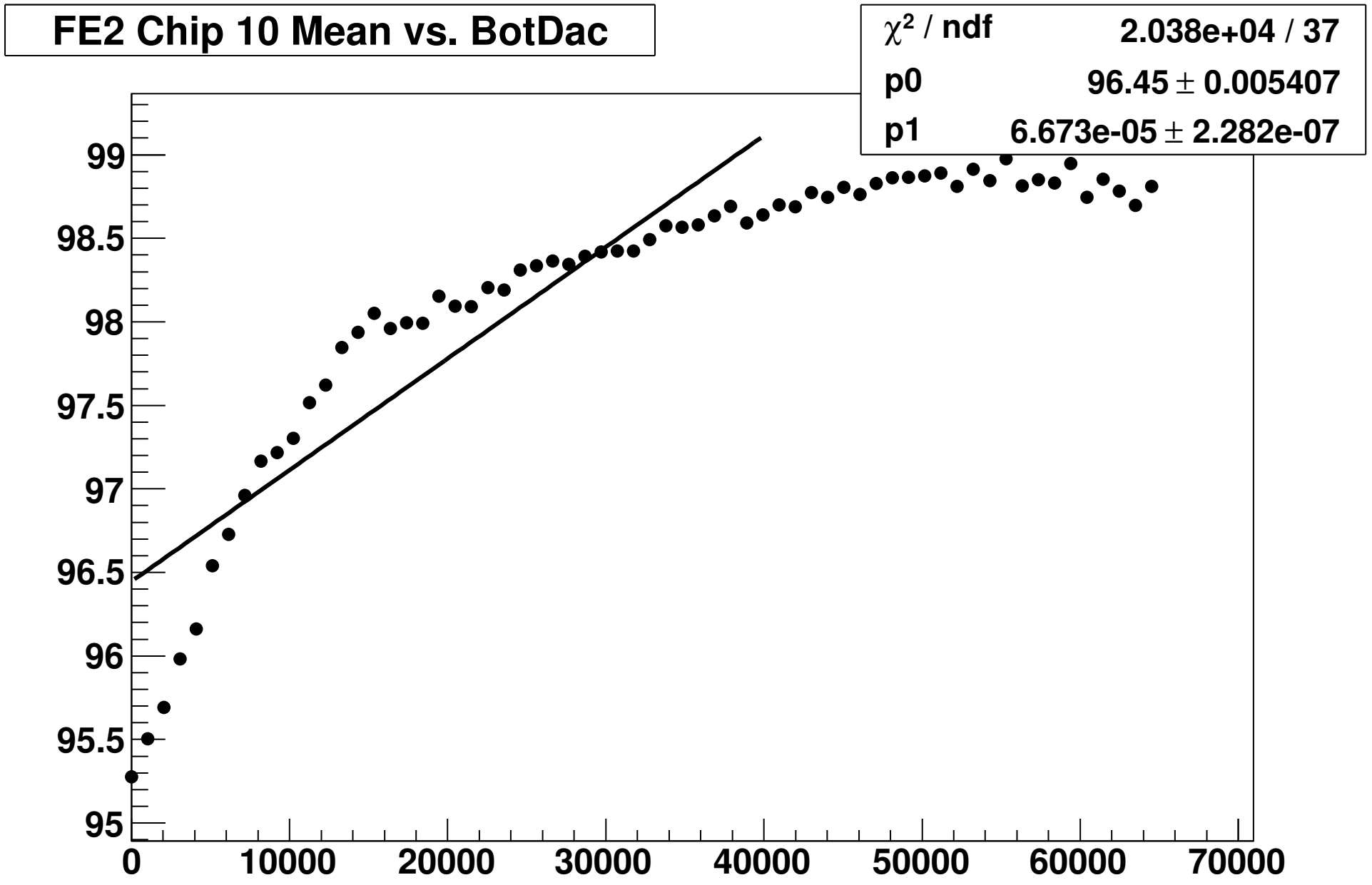

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 3.489e+10 / 37
p0 -430.1 ± 0.005526
p1 0.4519 ± 2.55e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1.853e+04 / 37
p0 1.403 ± 0.002977
p1 3.477e-05 ± 2.134e-07
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 2.038e+04 / 37
p0 96.45 ± 0.005407
p1 6.673e-05 ± 2.282e-07
99
98.5
98
97.5
97
96.5
96
95.5
95
0
10000
20000
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40000
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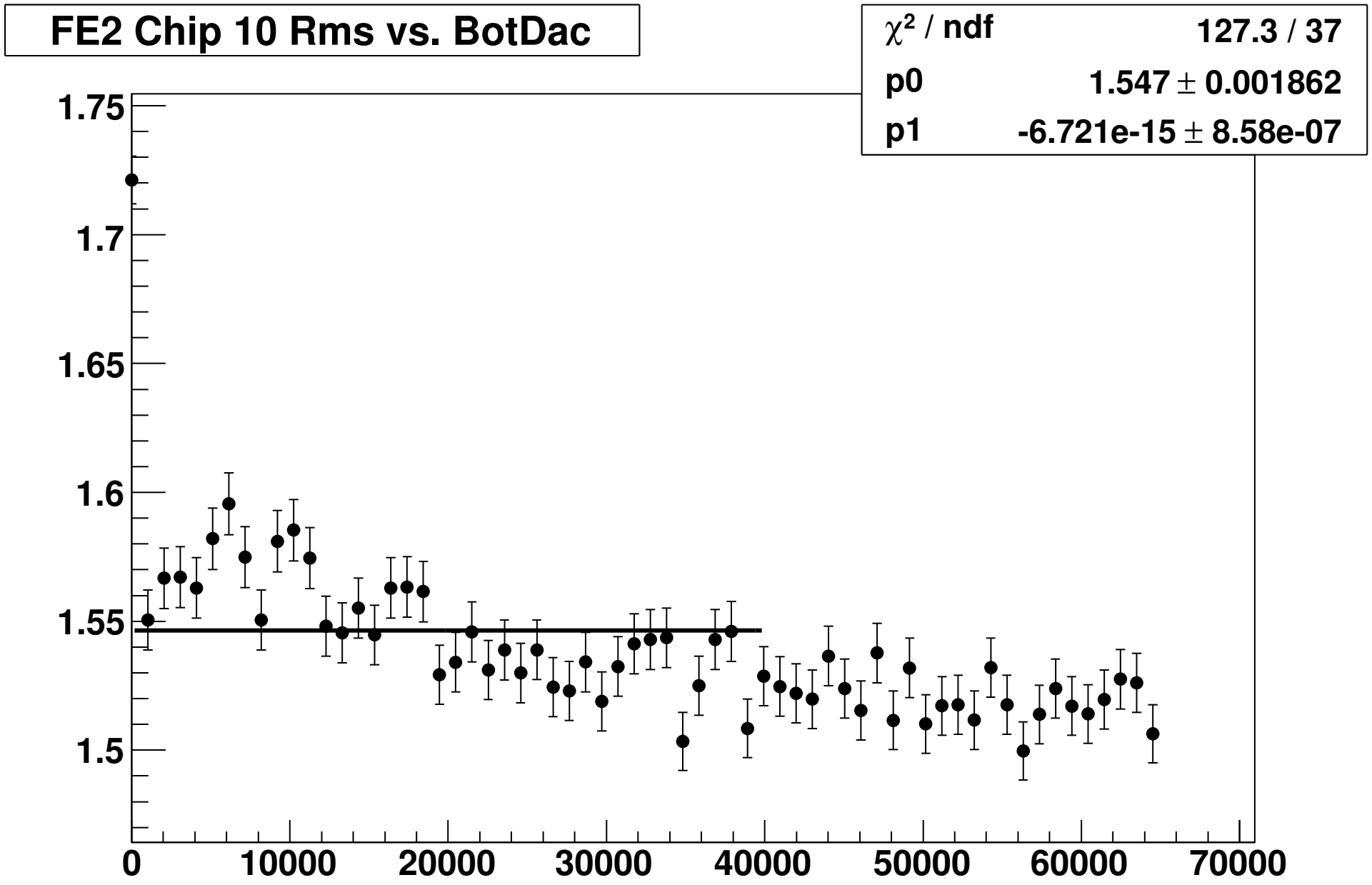
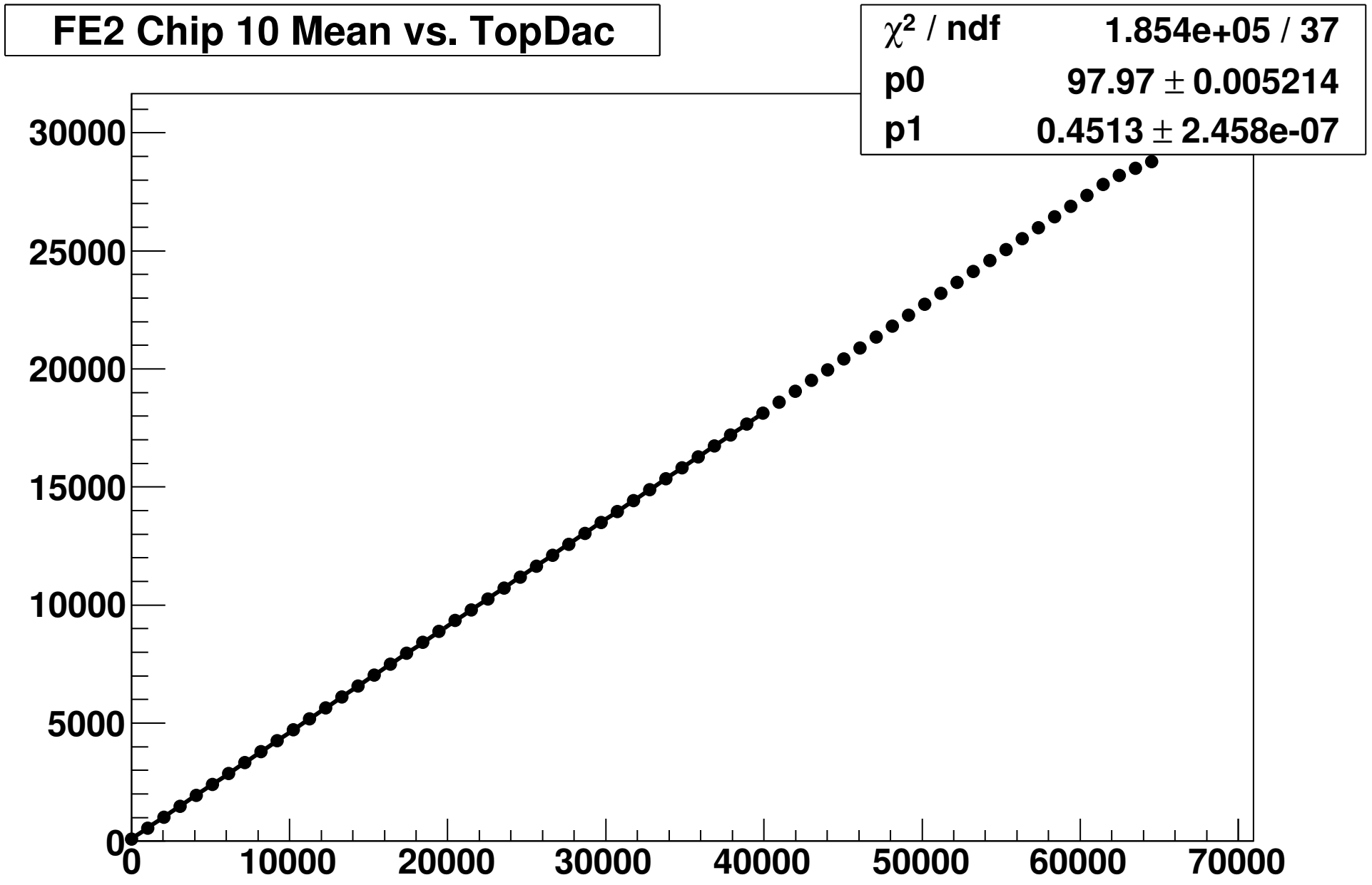
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 127.3 / 37
p0 1.547 ± 0.001862
p1 -6.721e-15 ± 8.58e-07
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.854e+05 / 37
p0 97.97 ± 0.005214
p1 0.4513 ± 2.458e-07
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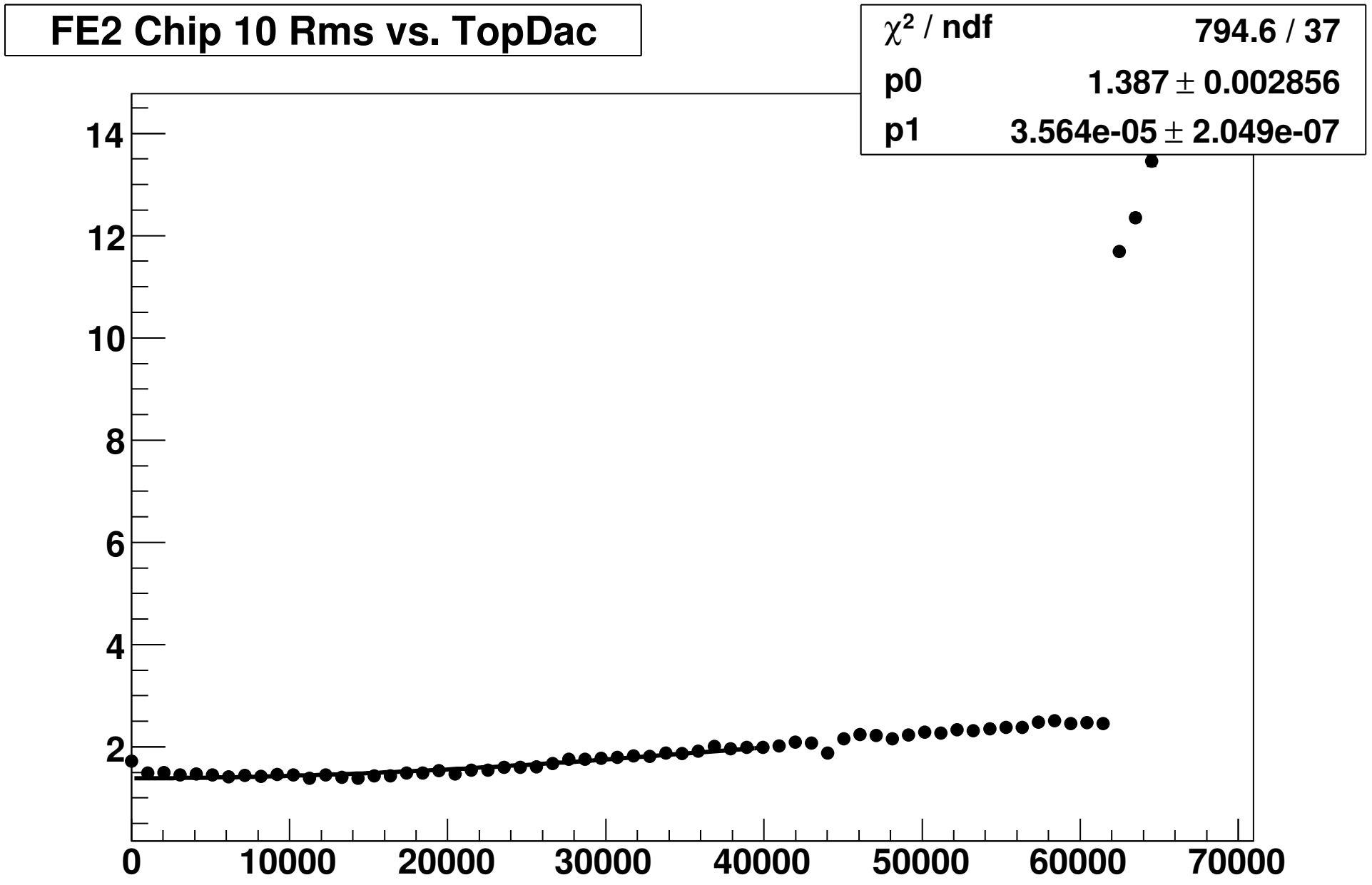
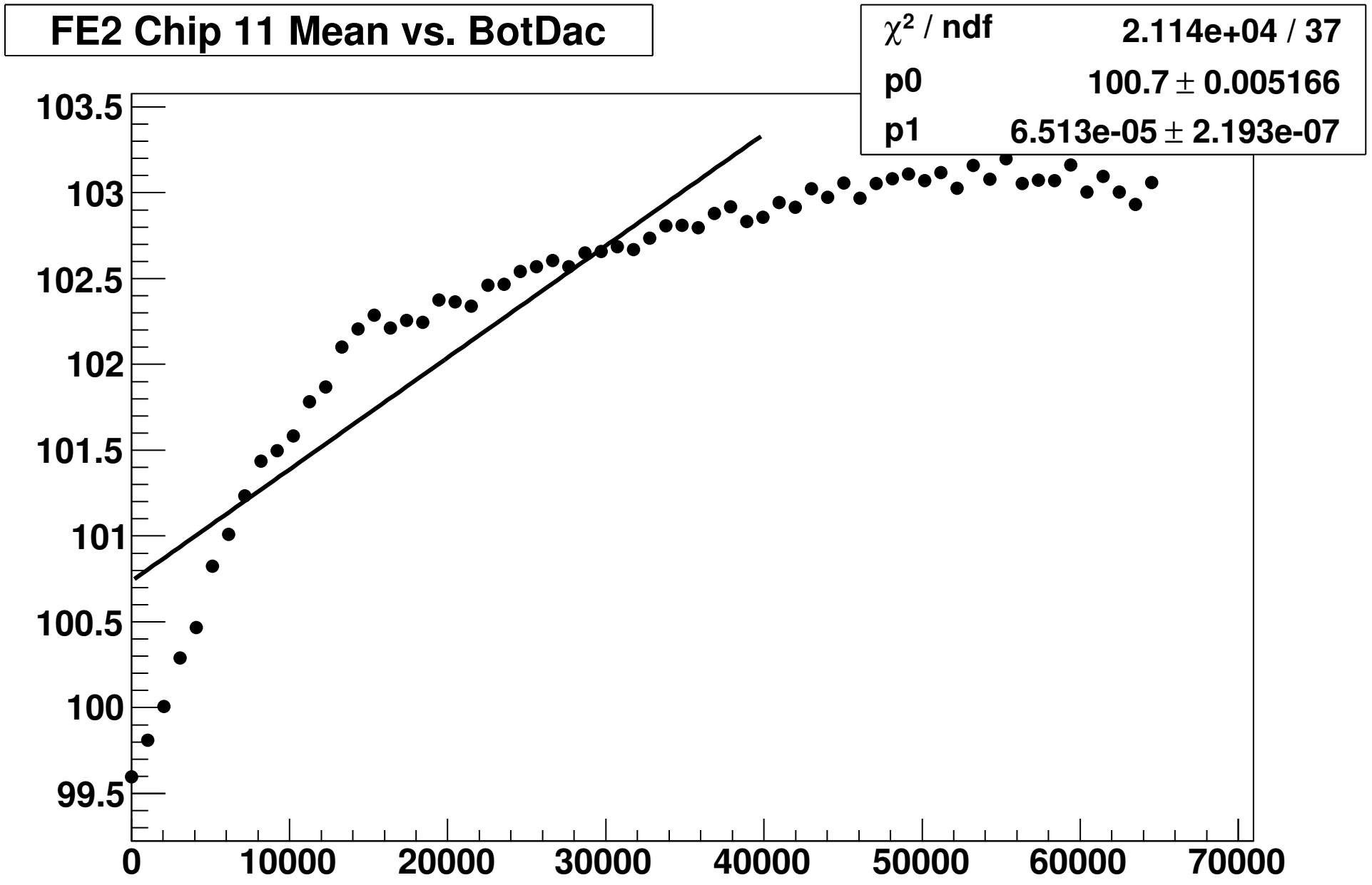
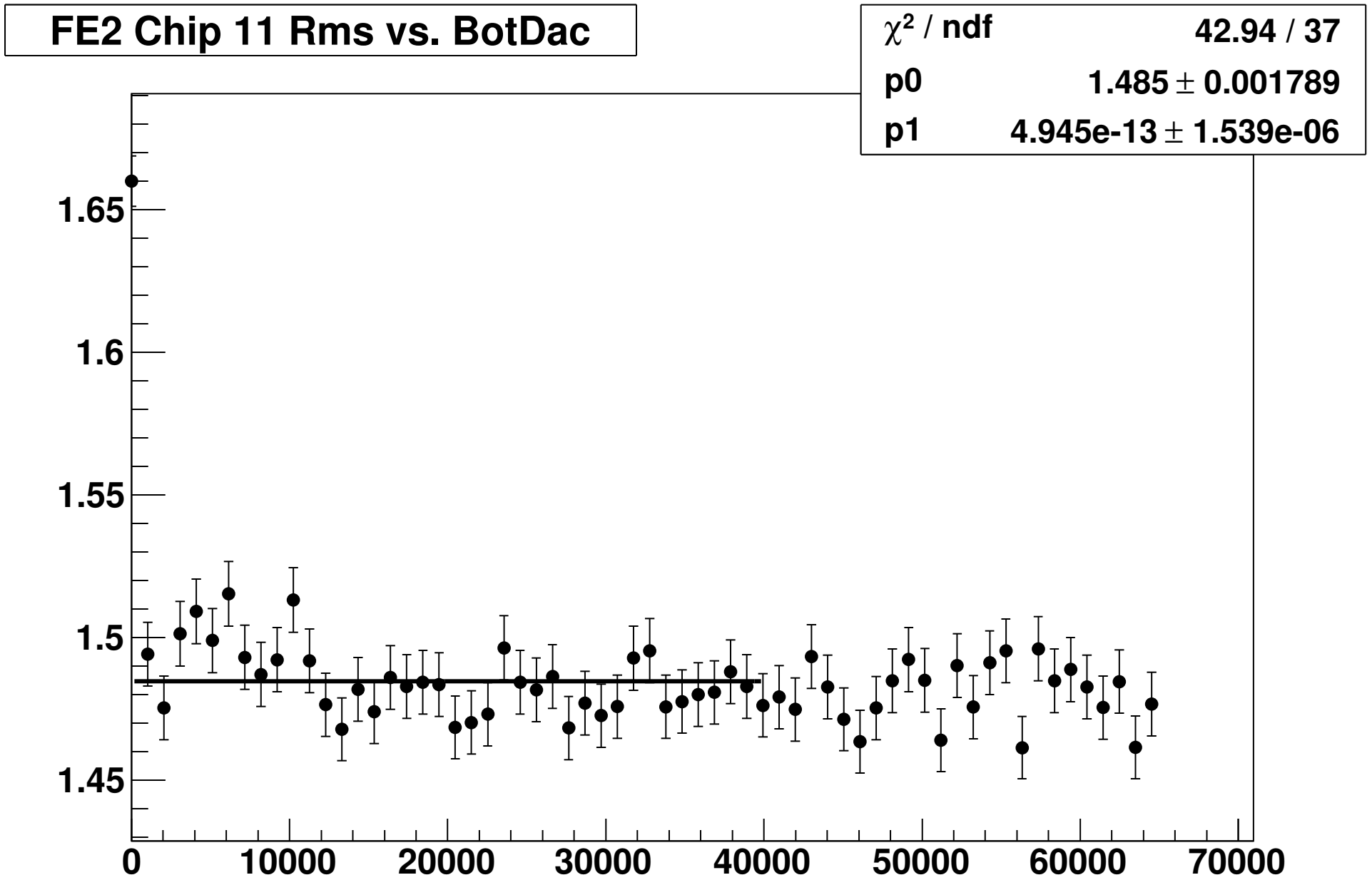
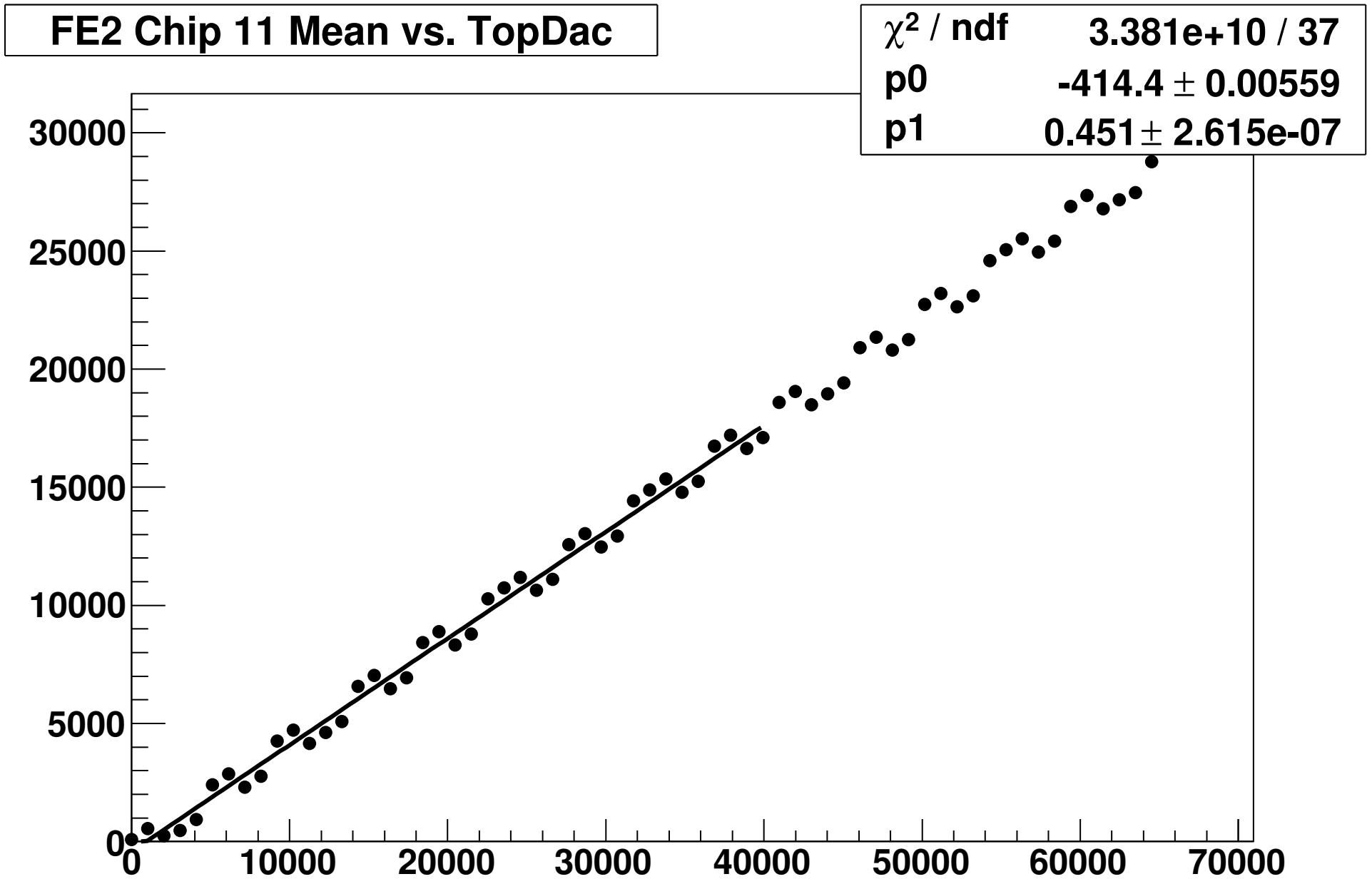
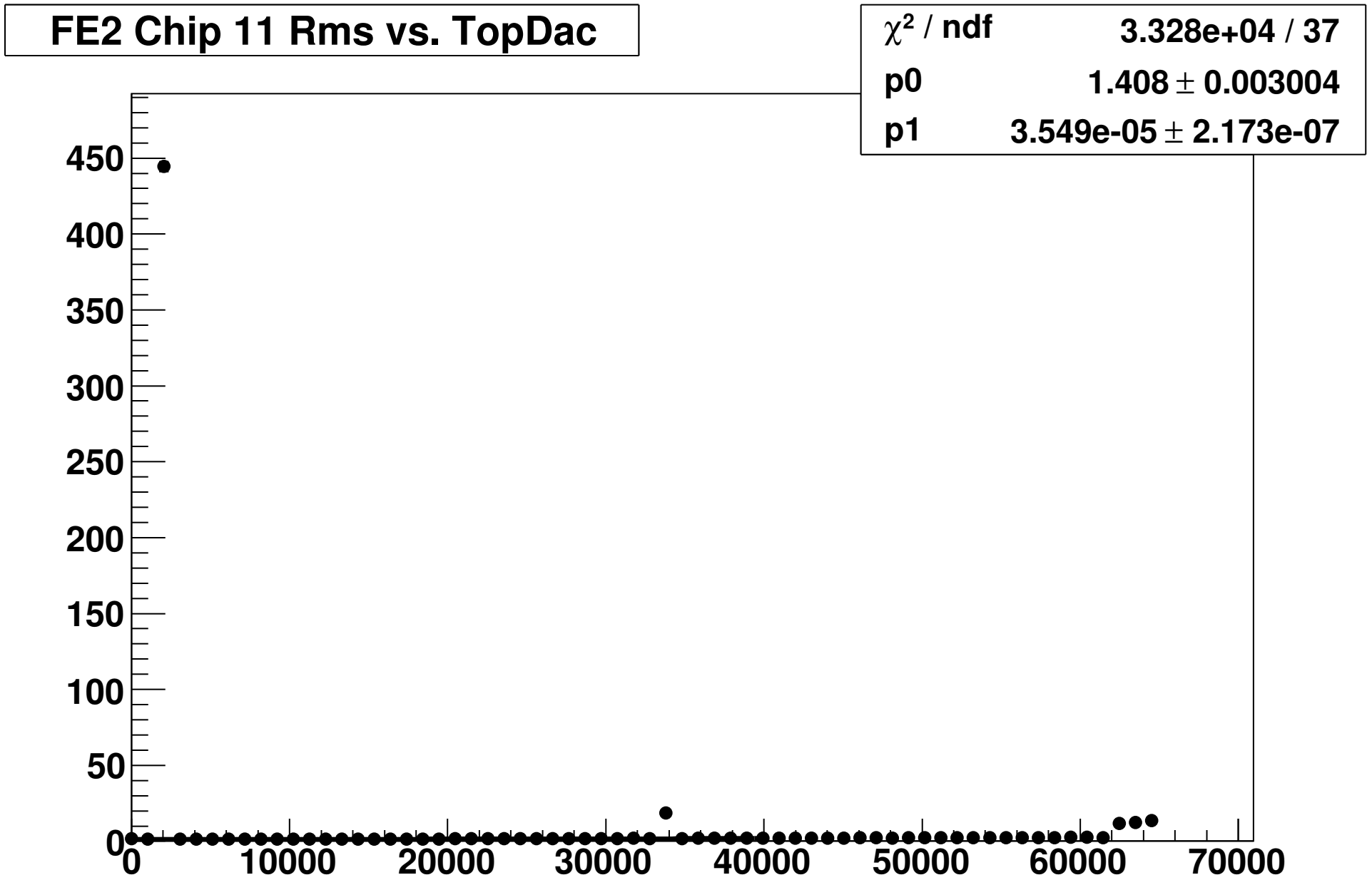
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

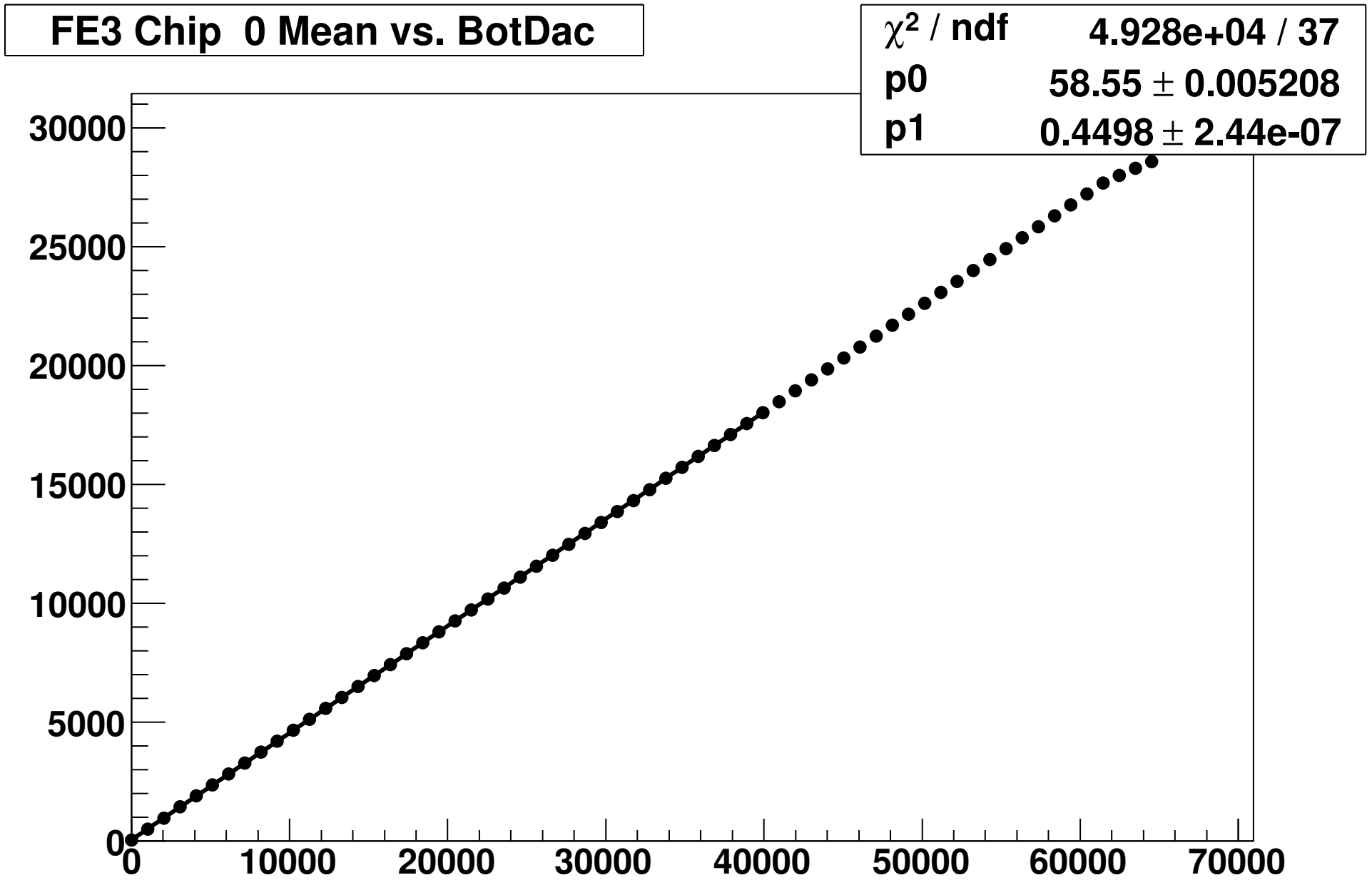

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 794.6 / 37
p0 1.387 ± 0.002856
p1 3.564e-05 ± 2.049e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

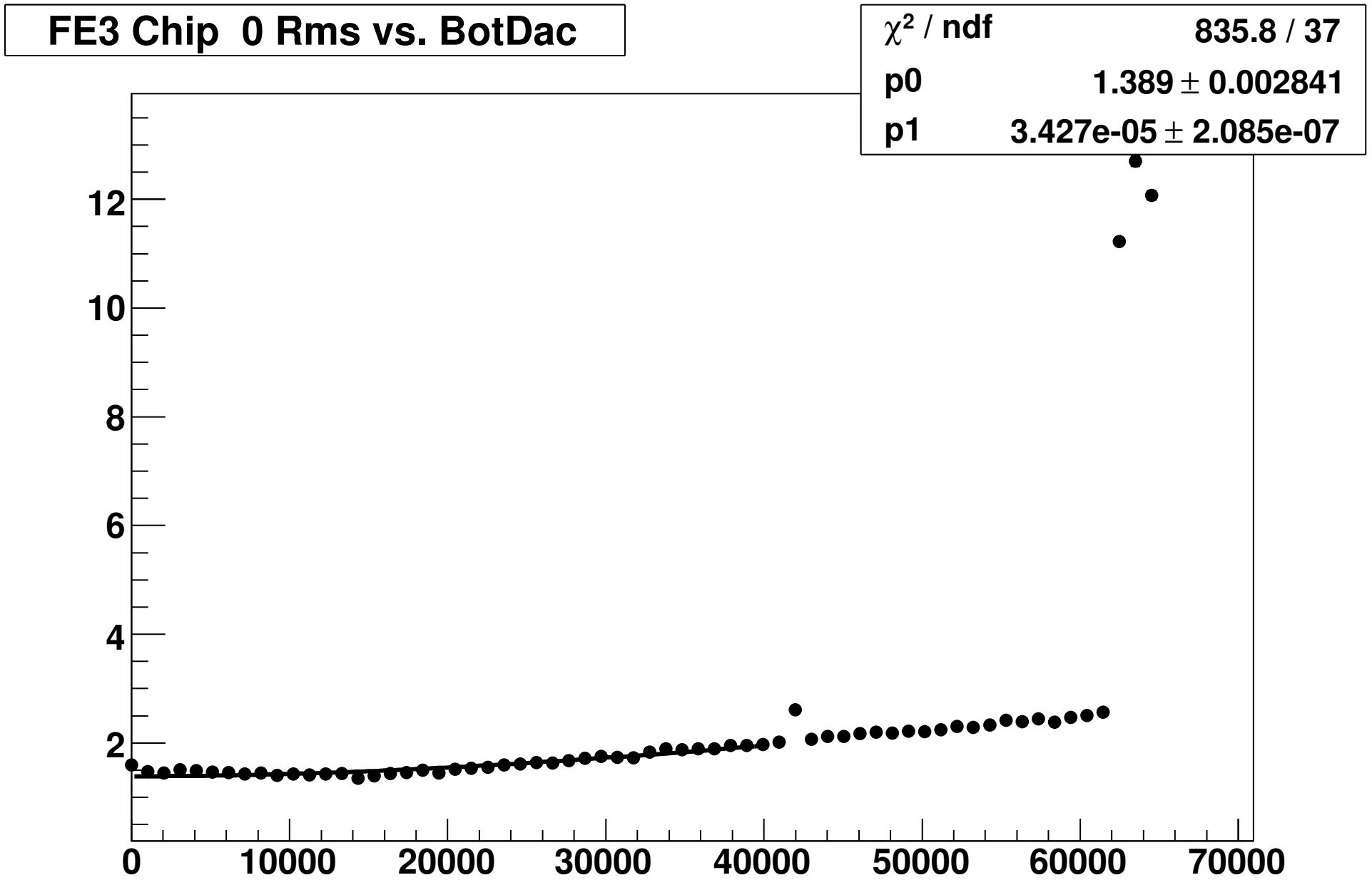

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 2.114e+04 / 37
p0 100.7 ± 0.005166
p1 6.513e-05 ± 2.193e-07
103.5
103
102.5
102
101.5
101
100.5
100
99.5
0
10000
20000
30000
40000
50000
60000
70000

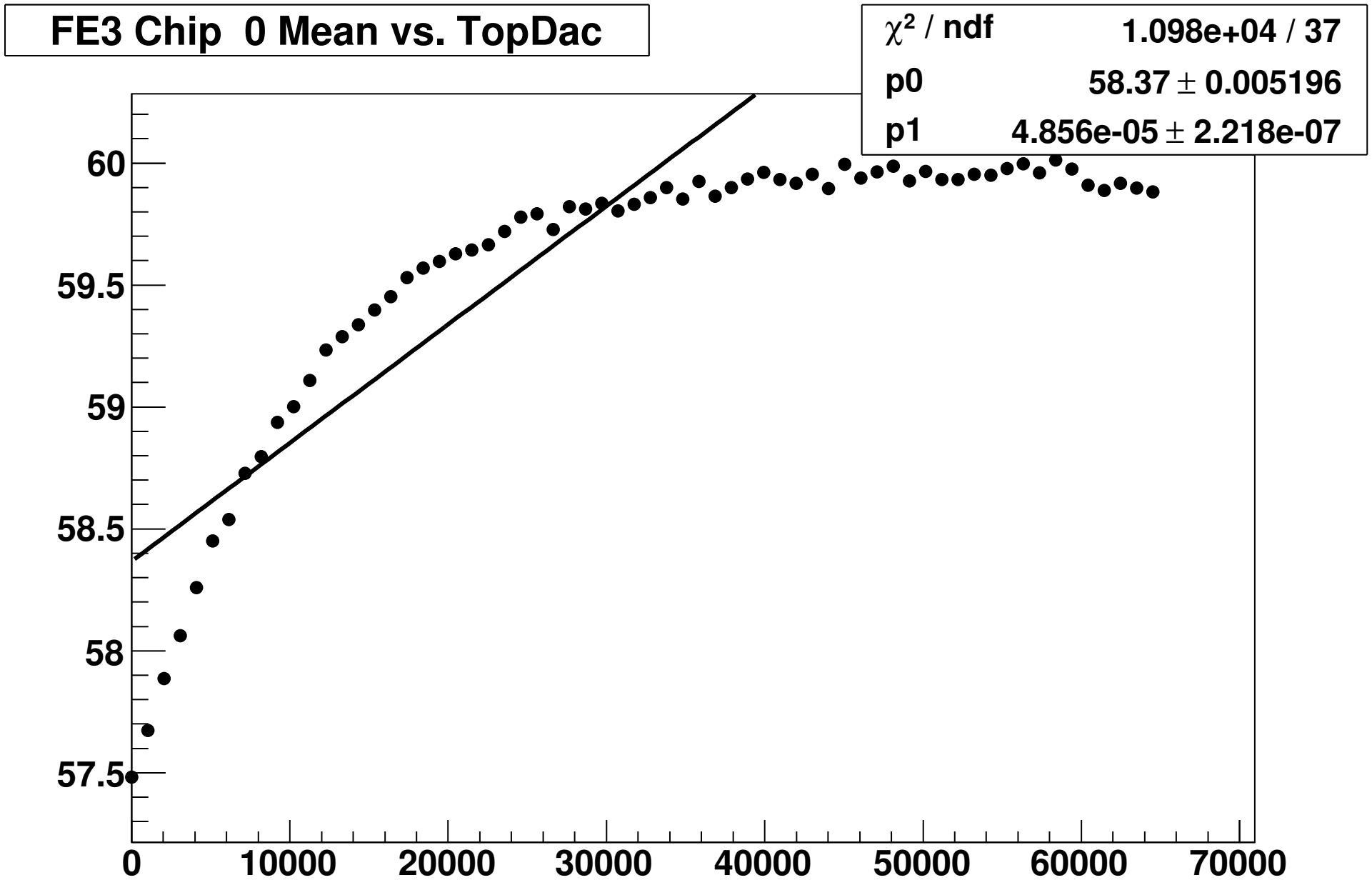

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 42.94 / 37
p0 1.485 ± 0.001789
p1 4.945e-13 ± 1.539e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

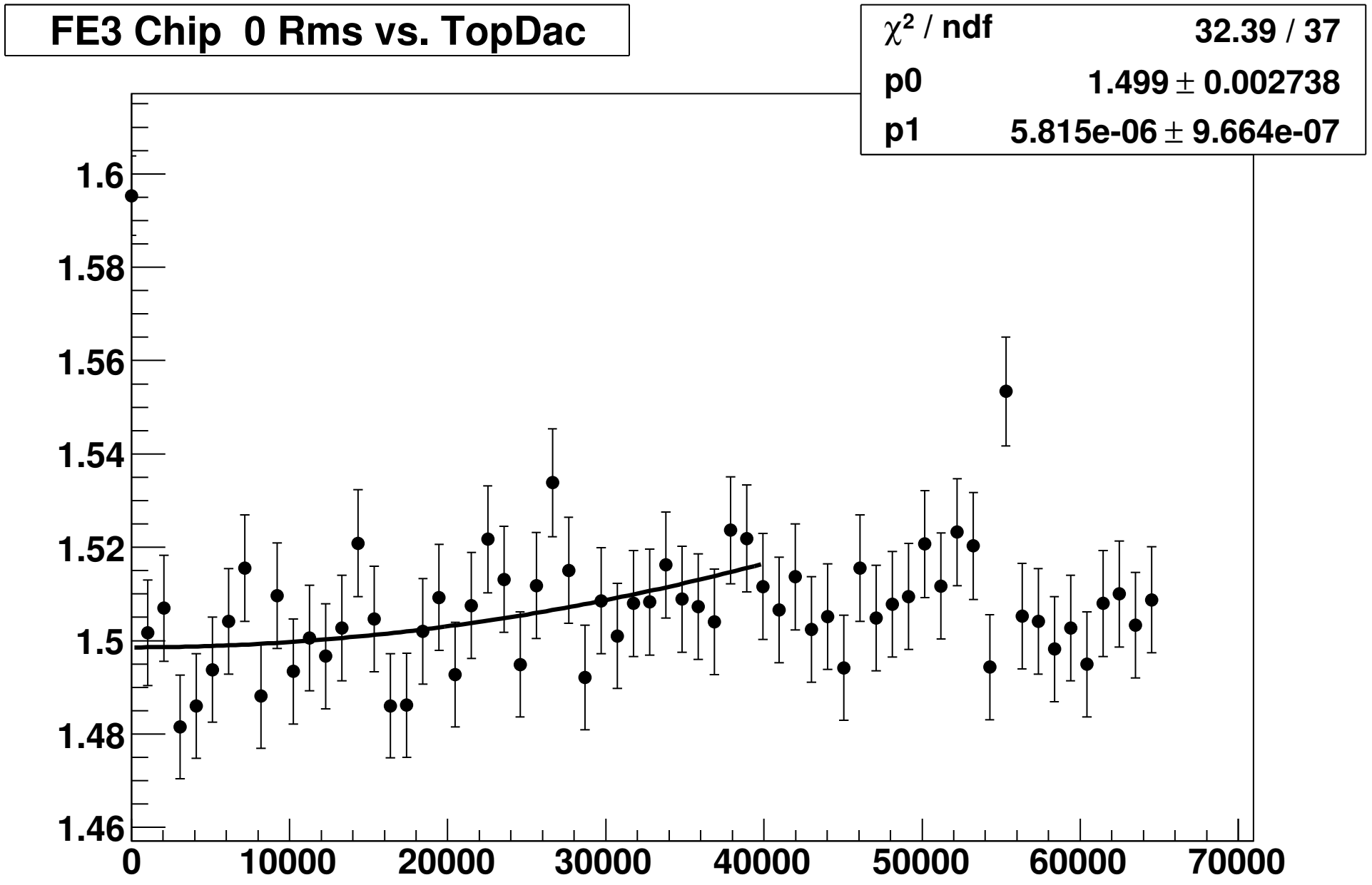

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 3.381e+10 / 37
p0 -414.4 ± 0.00559
p1 0.451 ± 2.615e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 3.328e+04 / 37
p0 1.408 ± 0.003004
p1 3.549e-05 ± 2.173e-07
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 4.928e+04 / 37
p0 58.55 ± 0.005208
p1 0.4498 ± 2.44e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 835.8 / 37
p0 1.389 ± 0.002841
p1 3.427e-05 ± 2.085e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1.098e+04 / 37
p0 58.37 ± 0.005196
p1 4.856e-05 ± 2.218e-07
60
59.5
59
58.5
58
57.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 32.39 / 37
p0 1.499 ± 0.002738
p1 5.815e-06 ± 9.664e-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
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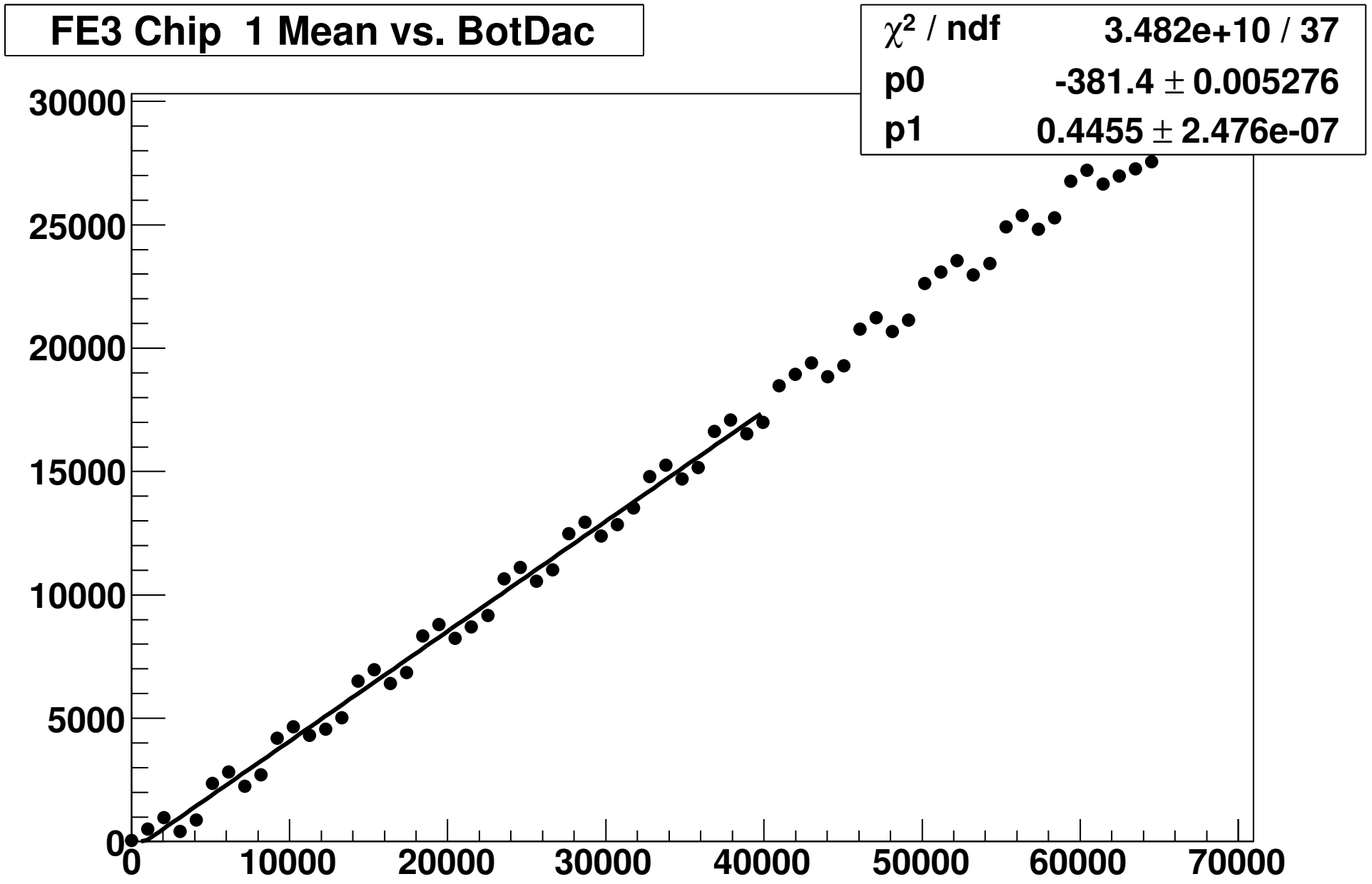
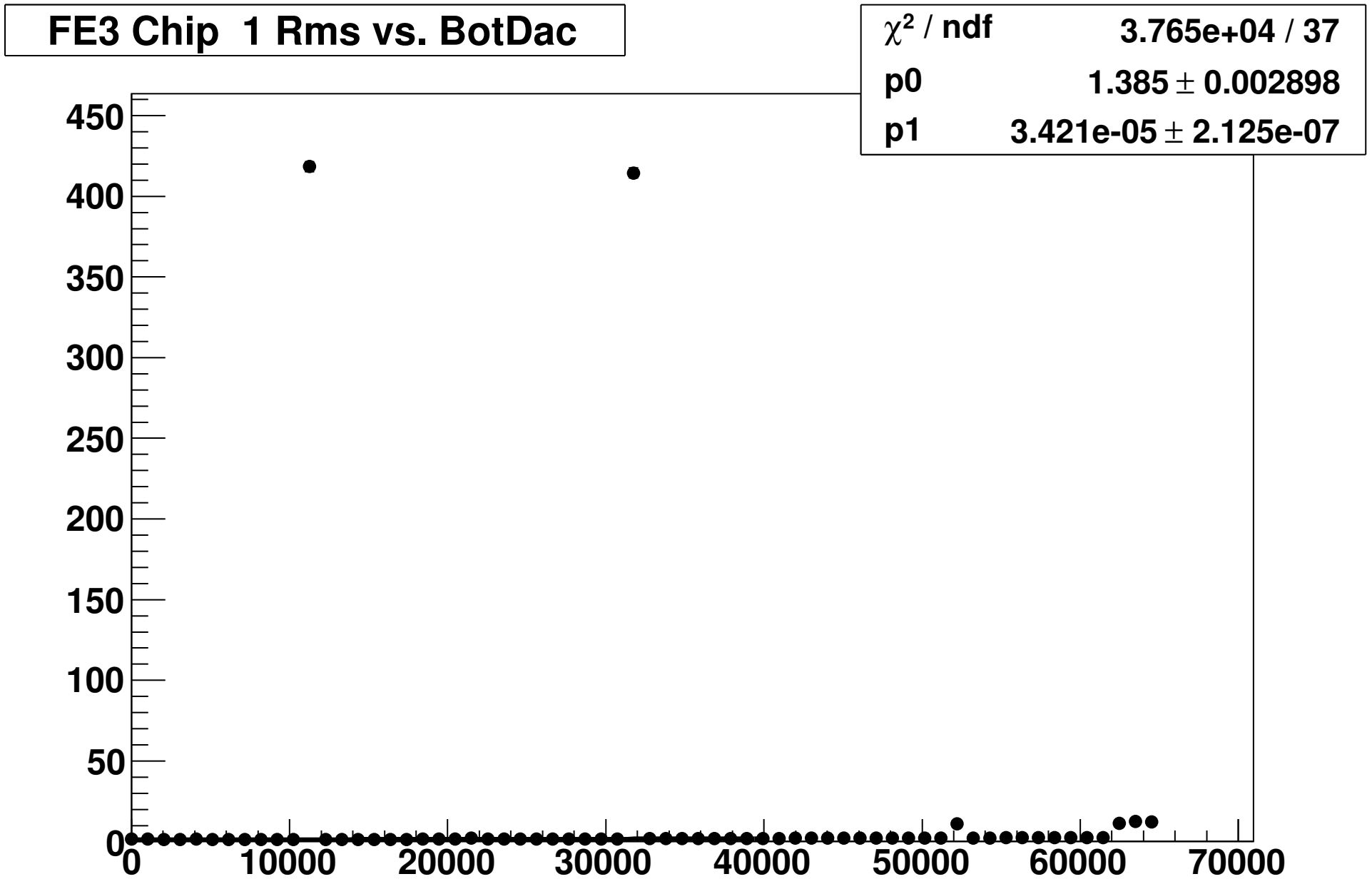
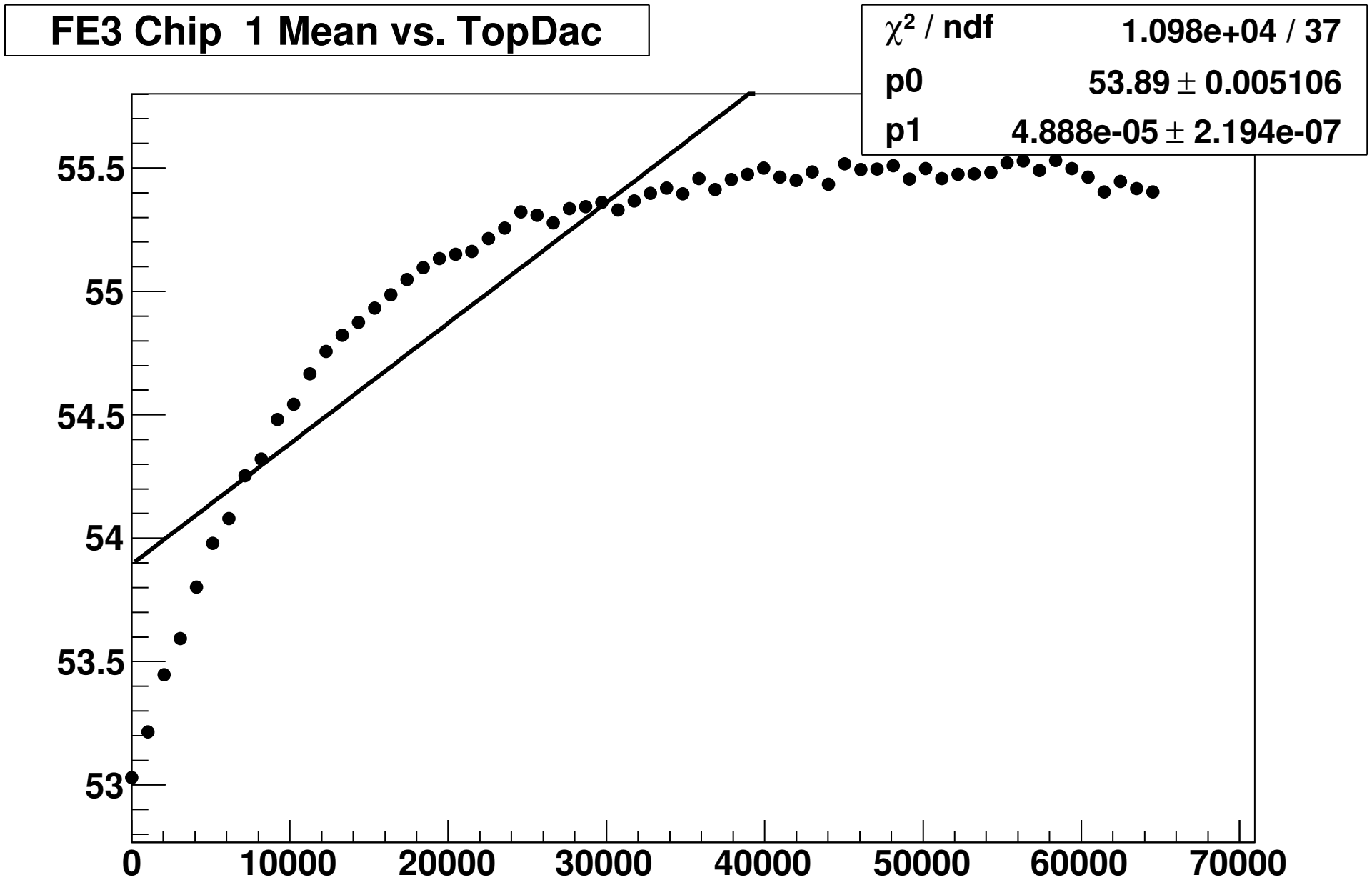
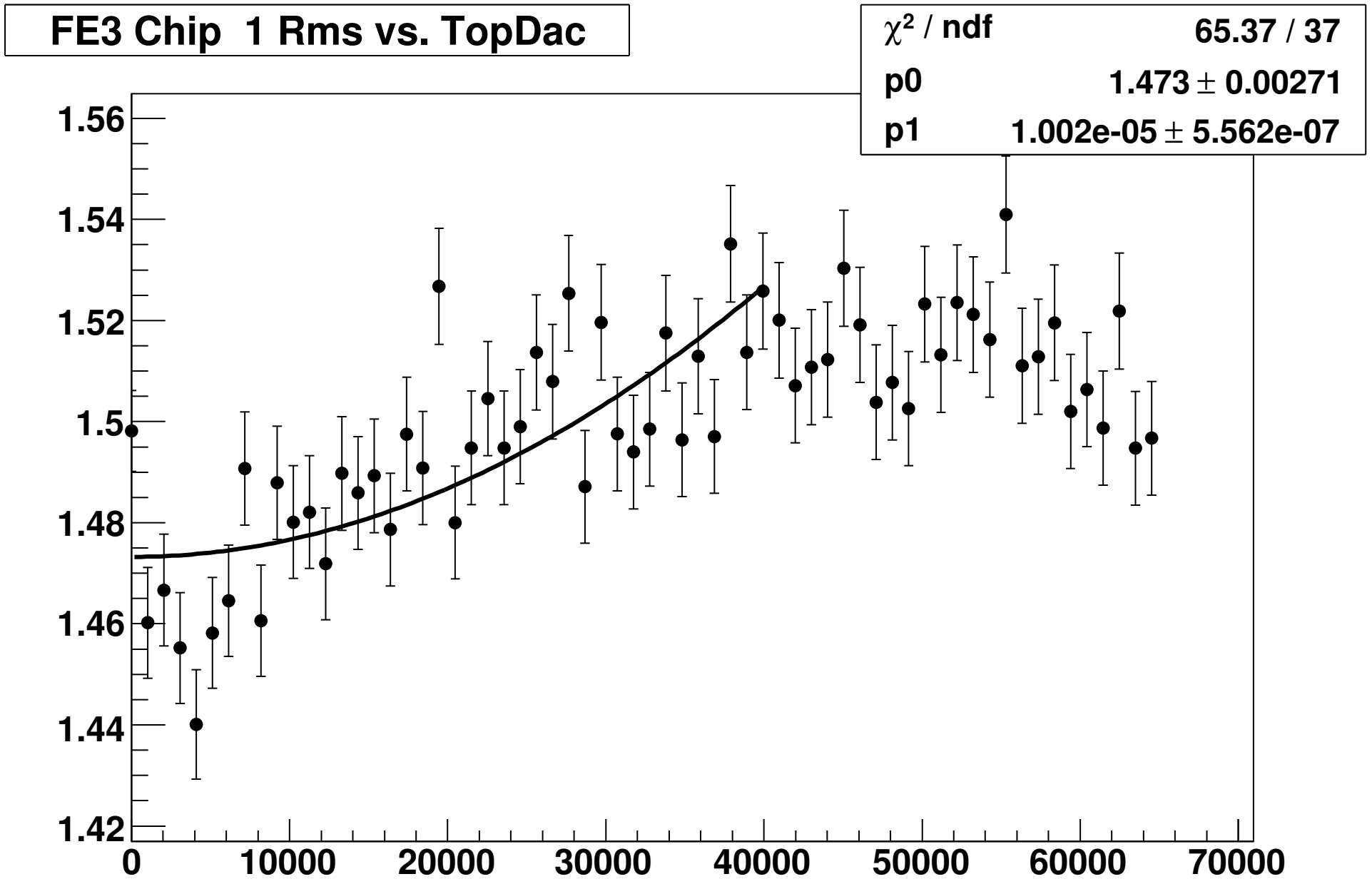
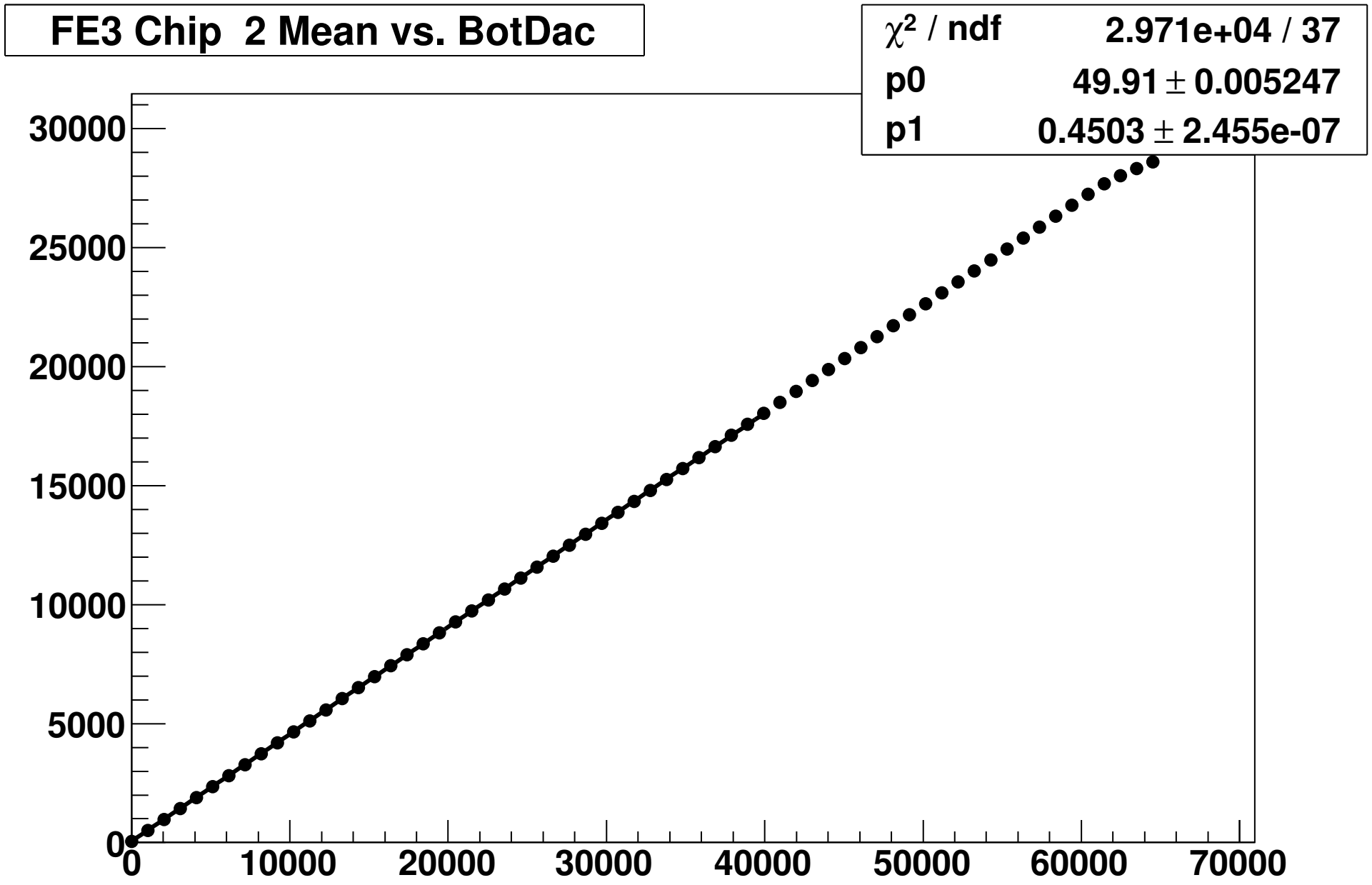
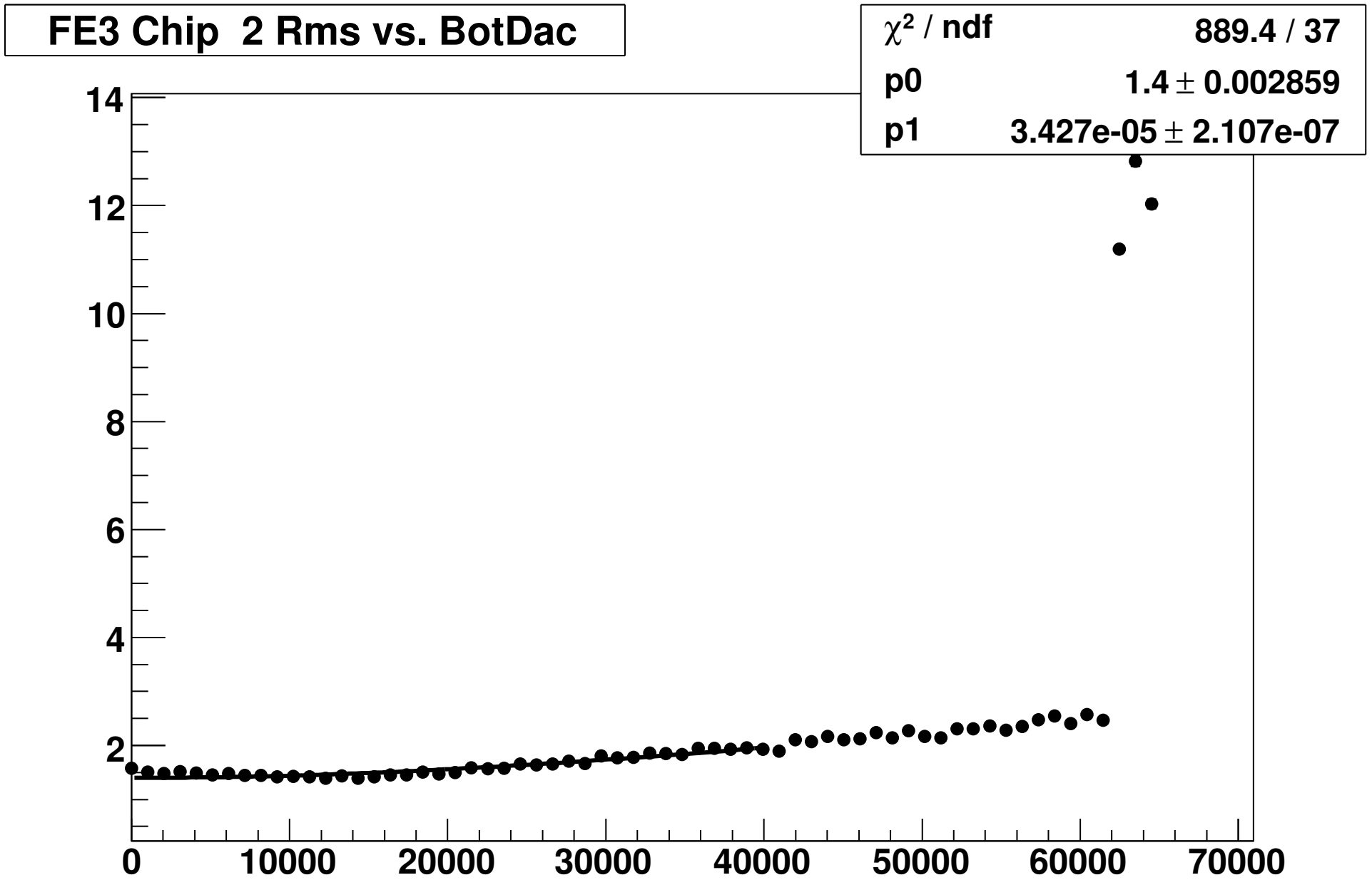

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 3.482e+10 / 37
p0 -381.4 ± 0.005276
p1 0.4455 ± 2.476e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 3.765e+04 / 37
p0 1.385 ± 0.002898
p1 3.421e-05 ± 2.125e-07
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1.098e+04 / 37
p0 53.89 ± 0.005106
p1 4.888e-05 ± 2.194e-07
55.5
55
54.5
54
53.5
53
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 65.37 / 37
p0 1.473 ± 0.00271
p1 1.002e-05 ± 5.562e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 2.971e+04 / 37
p0 49.91 ± 0.005247
p1 0.4503 ± 2.455e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 889.4 / 37
p0 1.4 ± 0.002859
p1 3.427e-05 ± 2.107e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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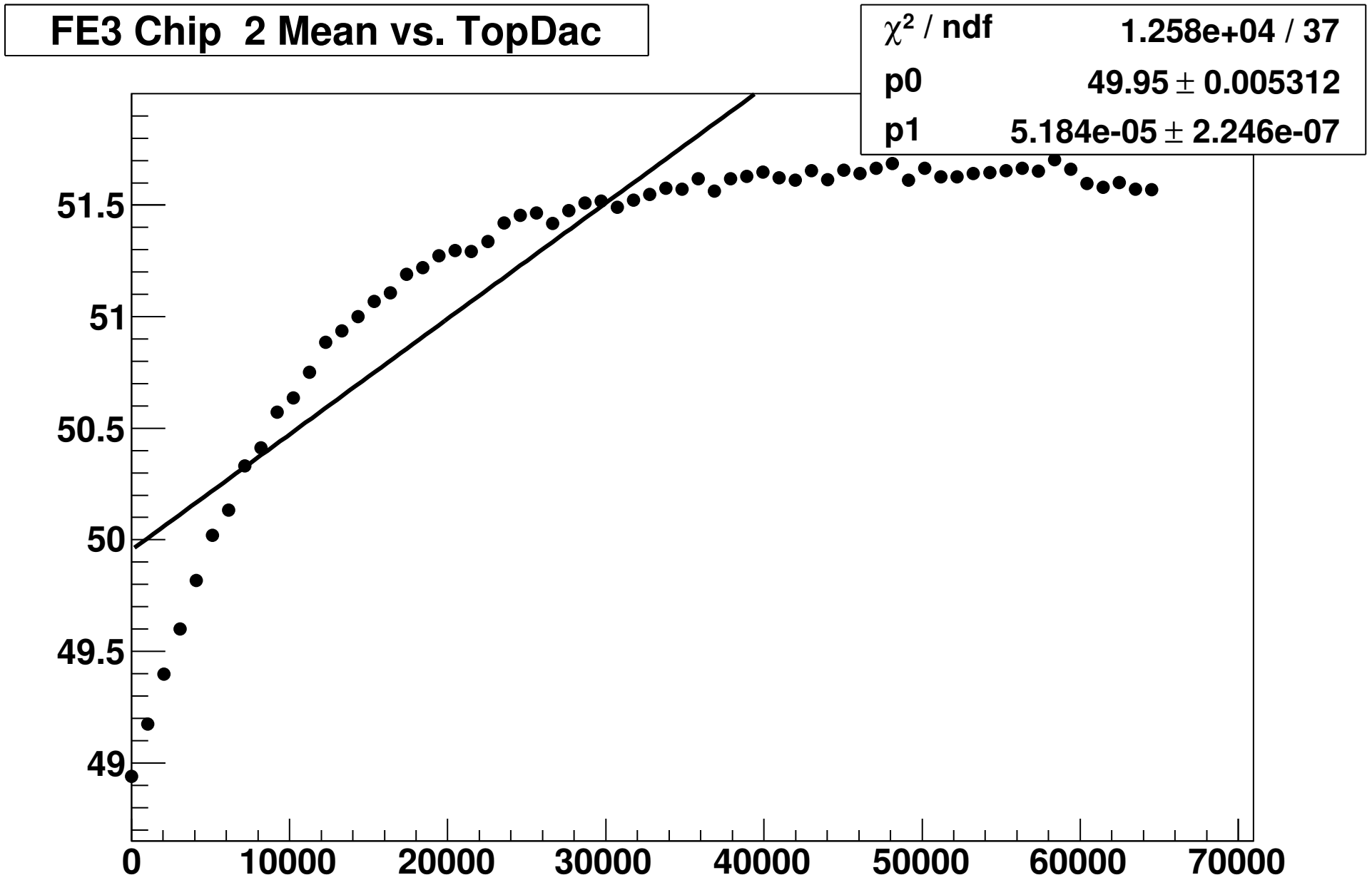
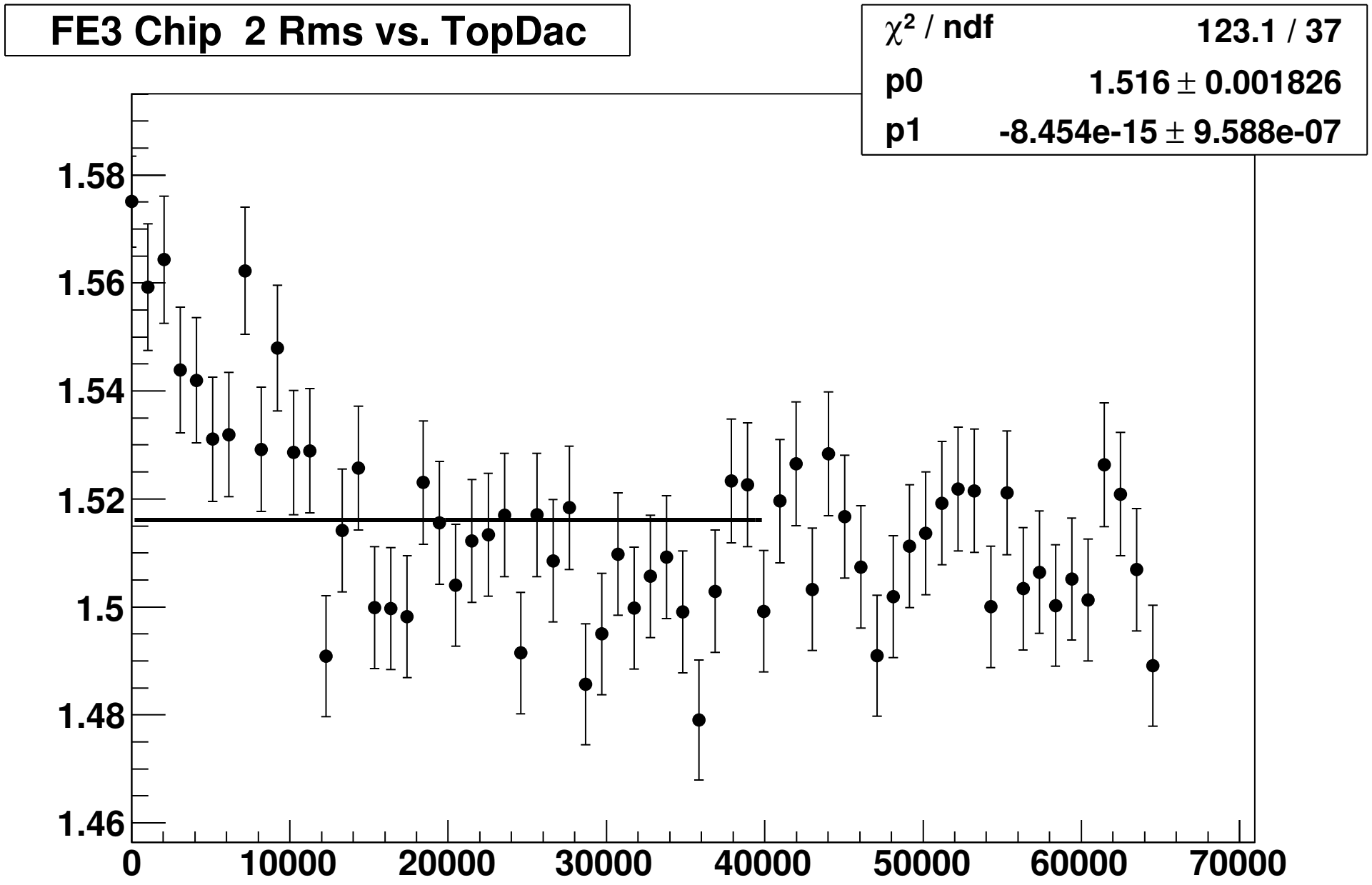
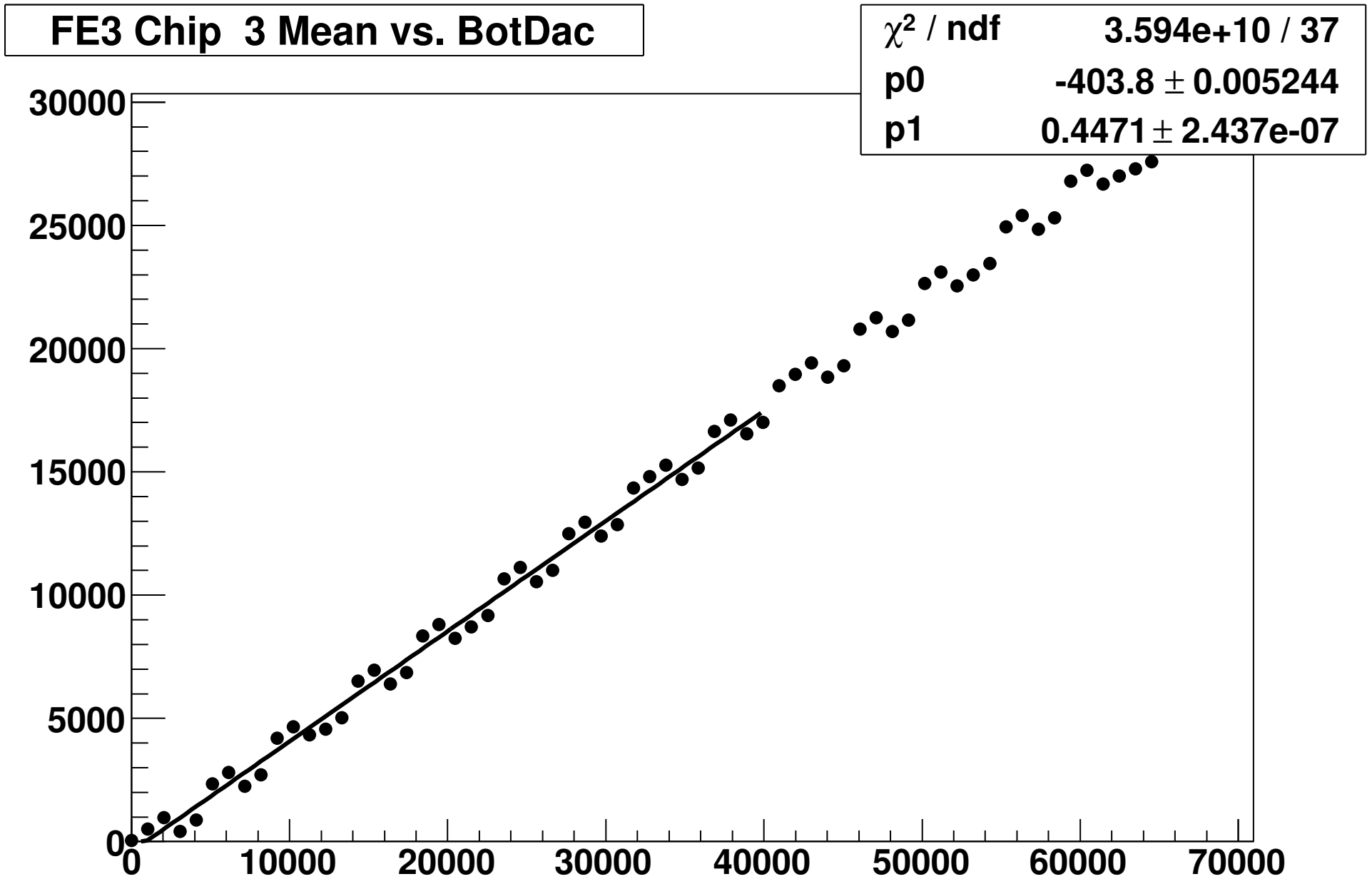
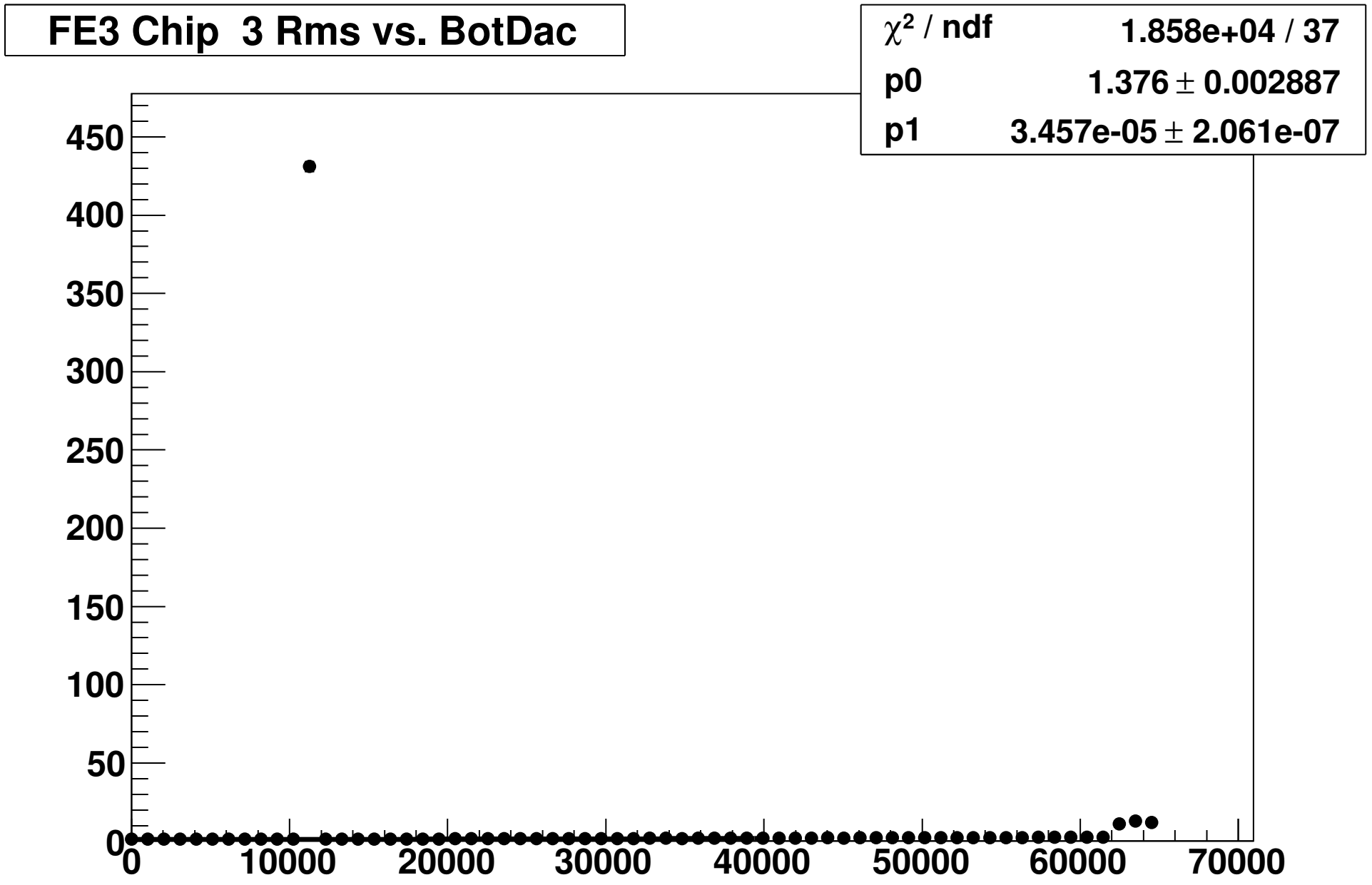
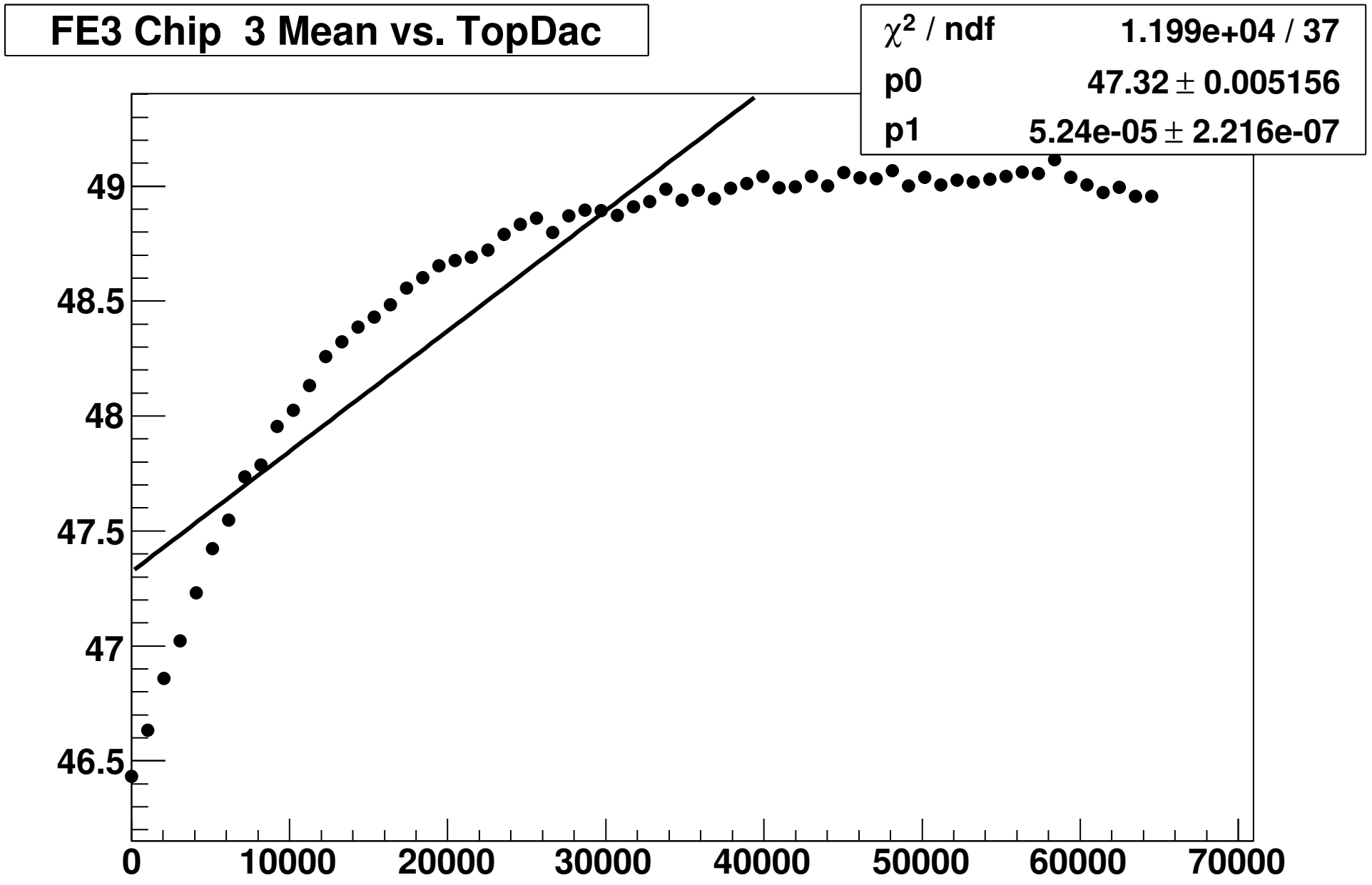
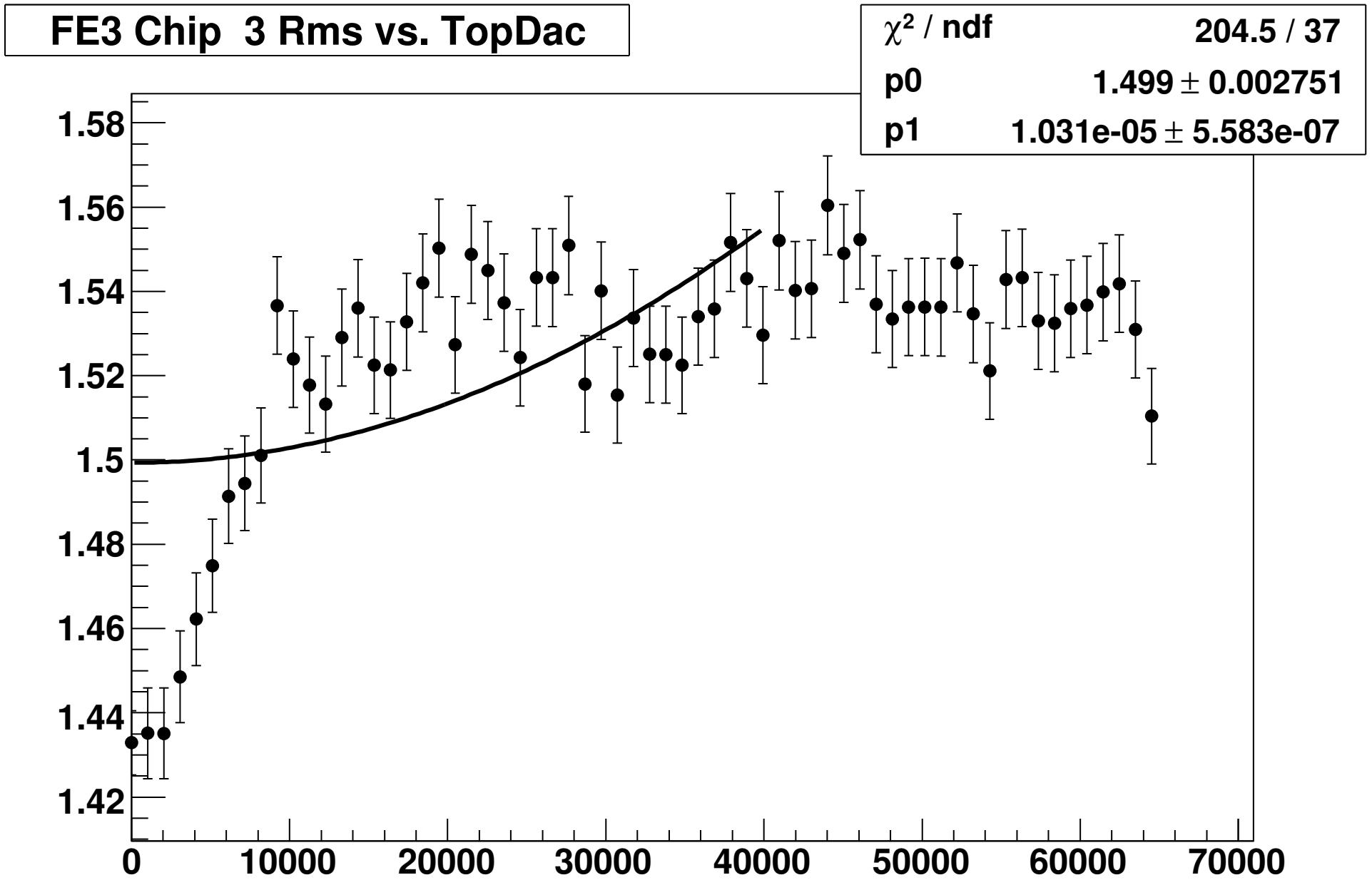

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1.258e+04 / 37
p0 49.95 ± 0.005312
p1 5.184e-05 ± 2.246e-07
51.5
51
50.5
50
49.5
49
0
10000
20000
30000
40000
50000
60000
70000

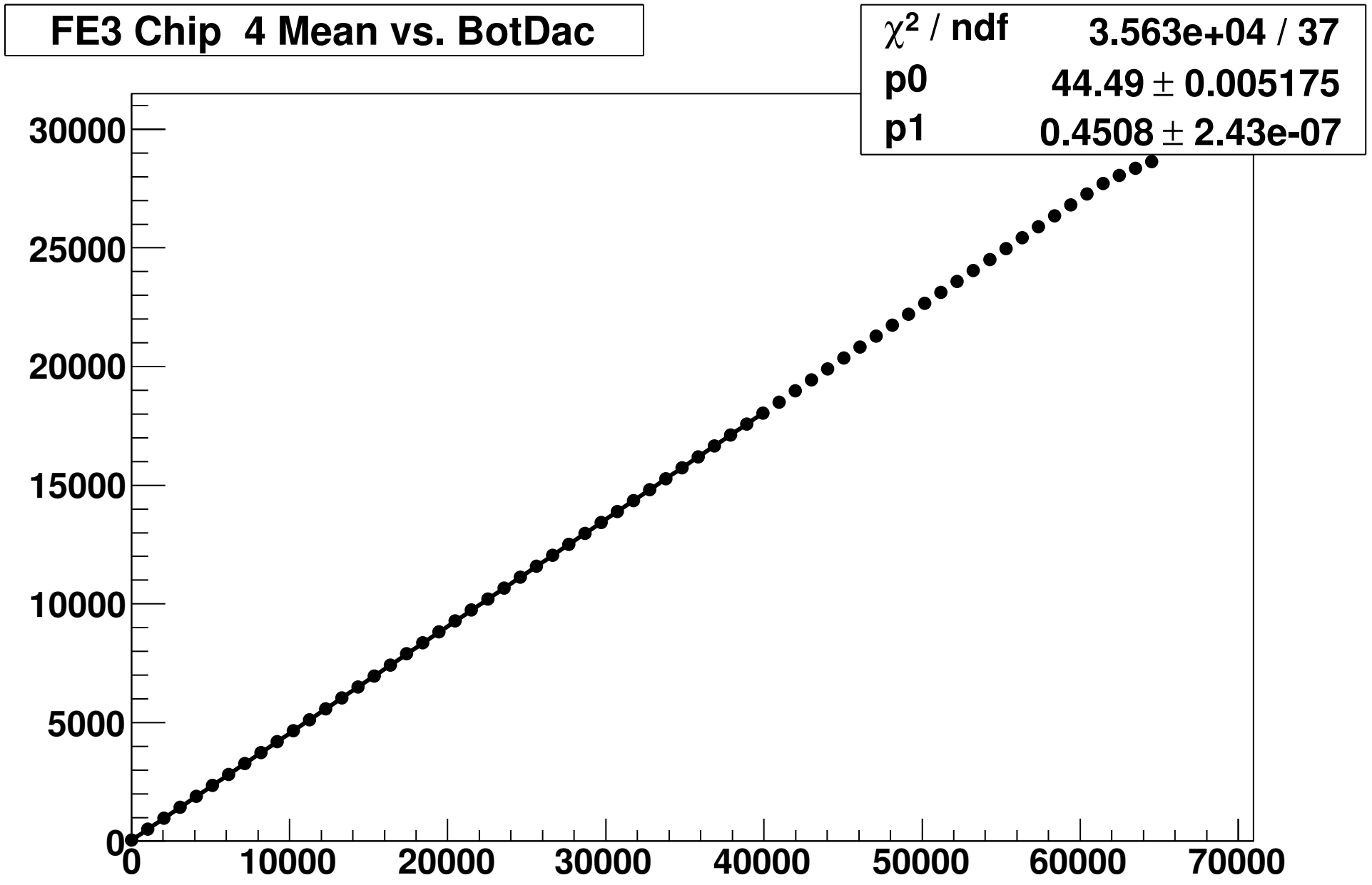

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 123.1 / 37
p0 1.516 ± 0.001826
p1 -8.454e-15 ± 9.588e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

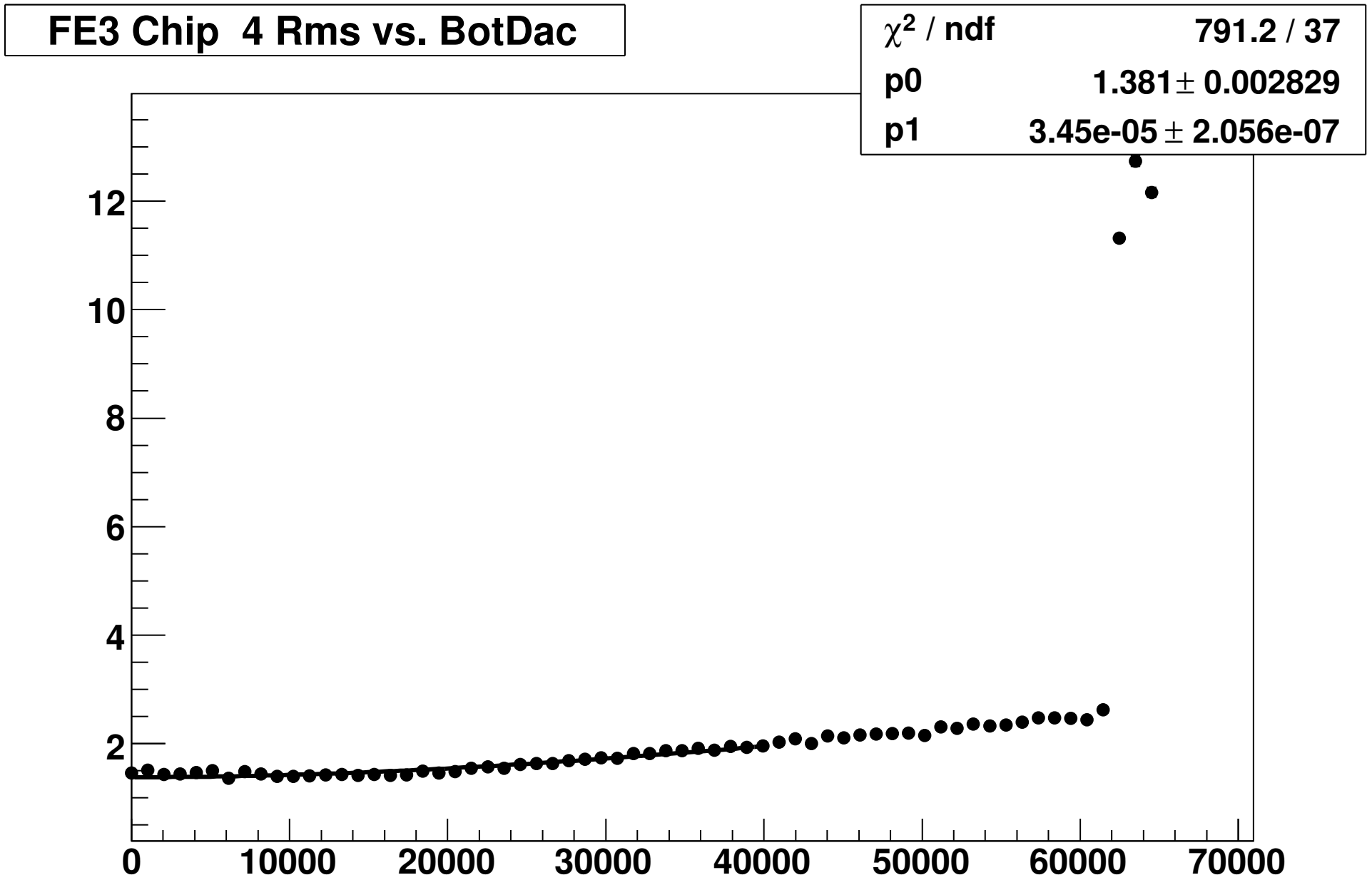

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 3.594e+10 / 37
p0 -403.8 ± 0.005244
p1 0.4471 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

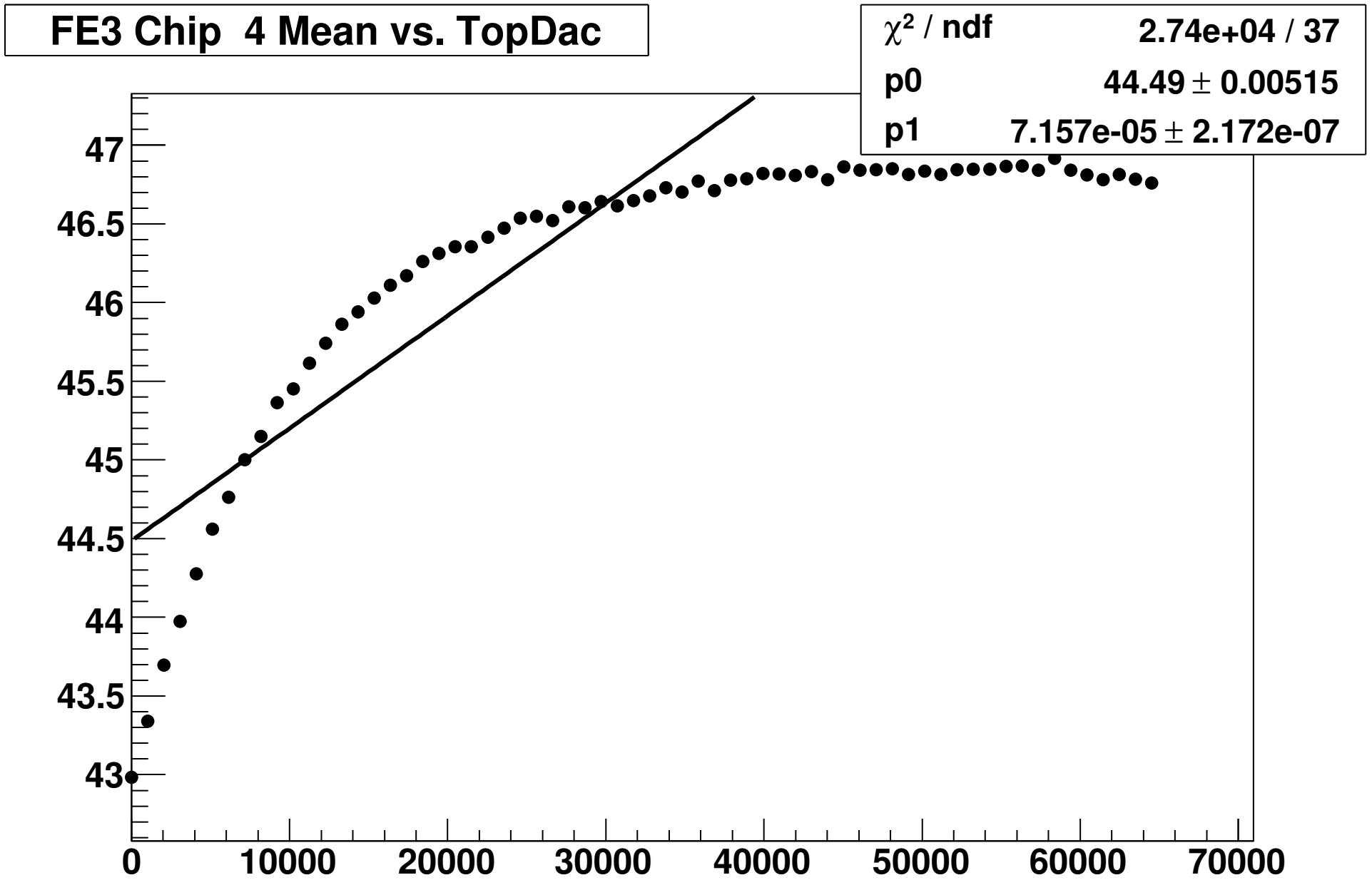

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1.858e+04 / 37
p0 1.376 ± 0.002887
p1 3.457e-05 ± 2.061e-07
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000

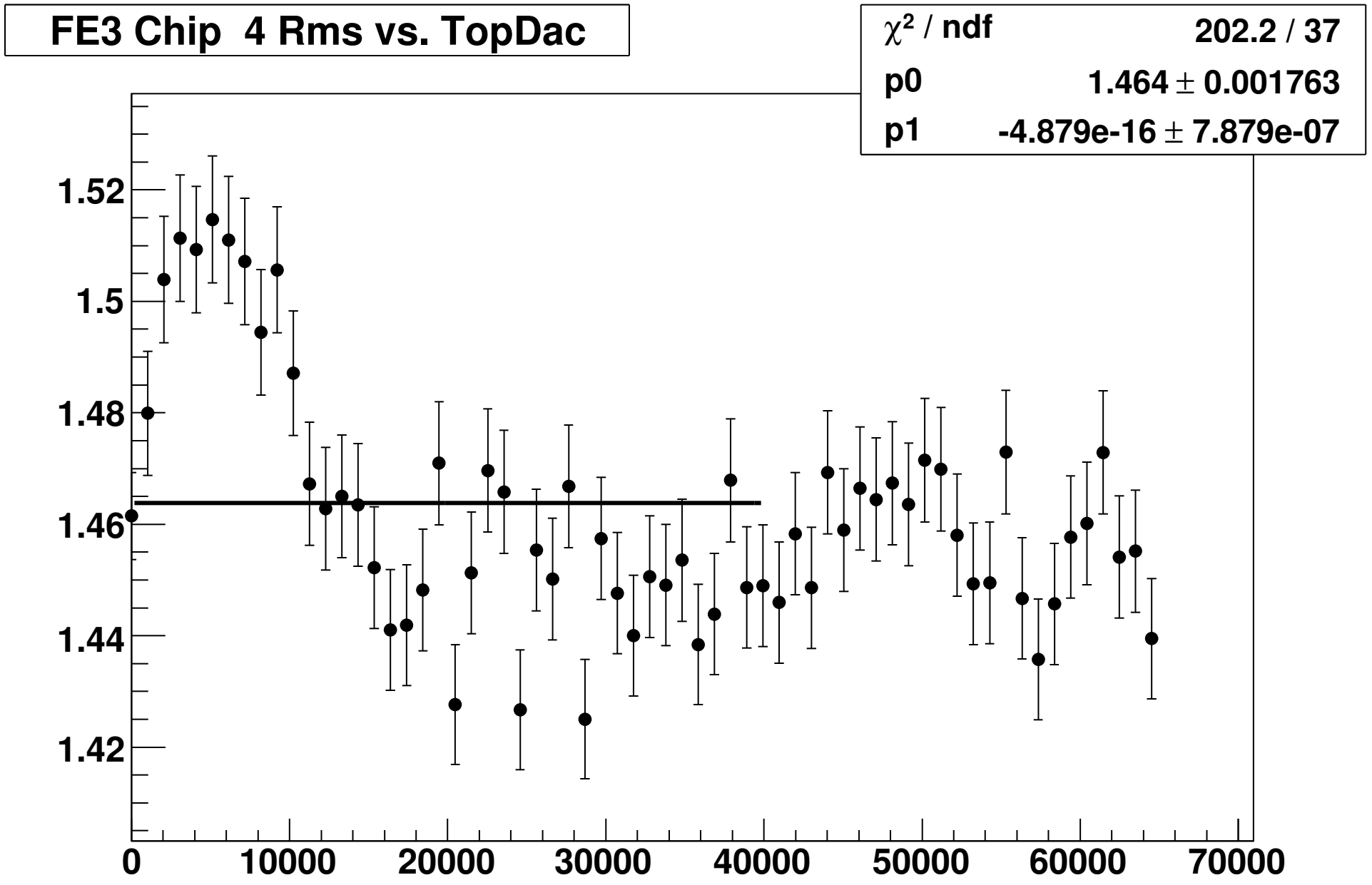

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1.199e+04 / 37
p0 47.32 ± 0.005156
p1 5.24e-05 ± 2.216e-07
49
48.5
48
47.5
47
46.5
0
10000
20000
30000
40000
50000
60000
70000

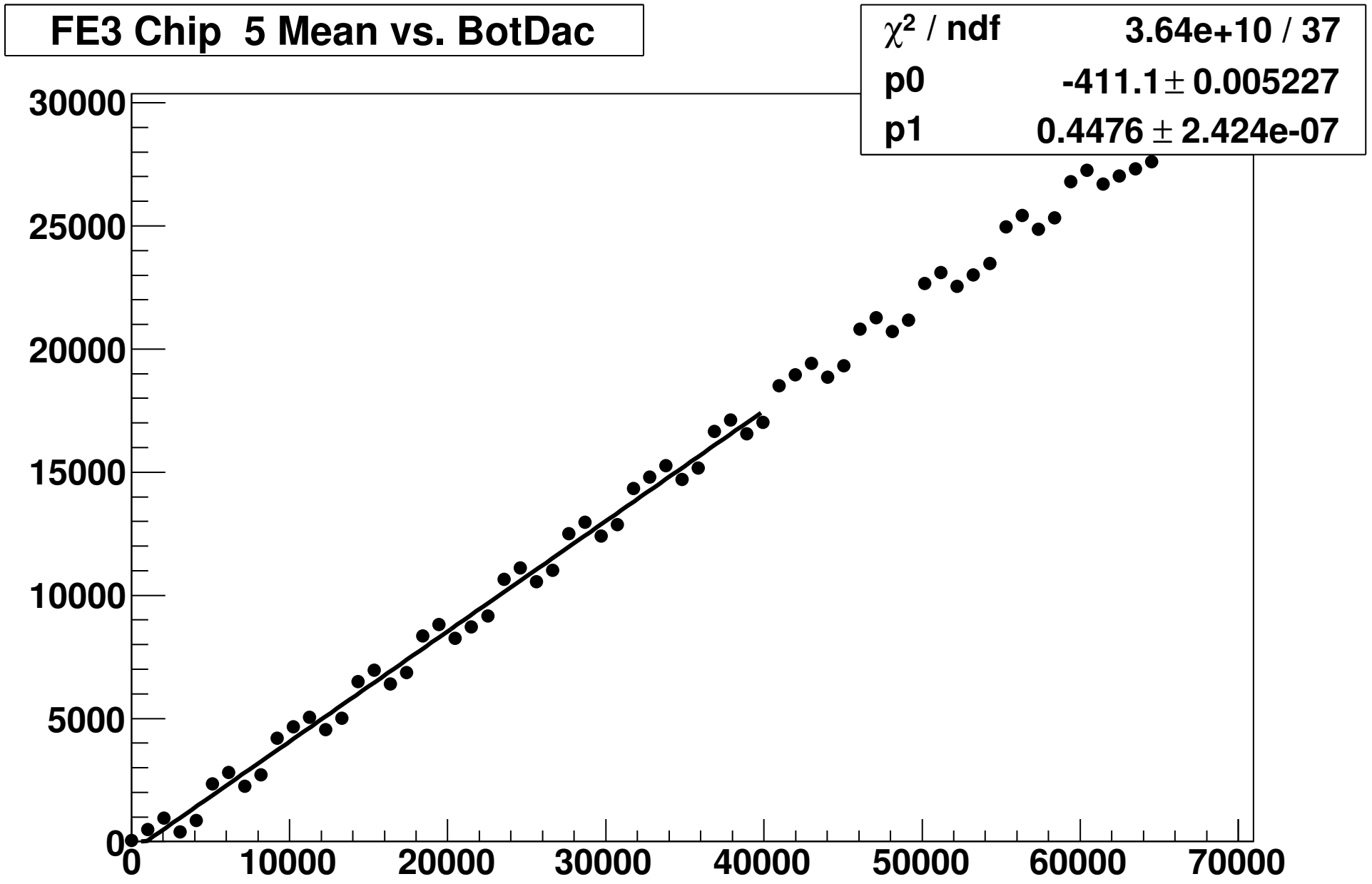

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 204.5 / 37
p0 1.499 ± 0.002751
p1 1.031e-05 ± 5.583e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

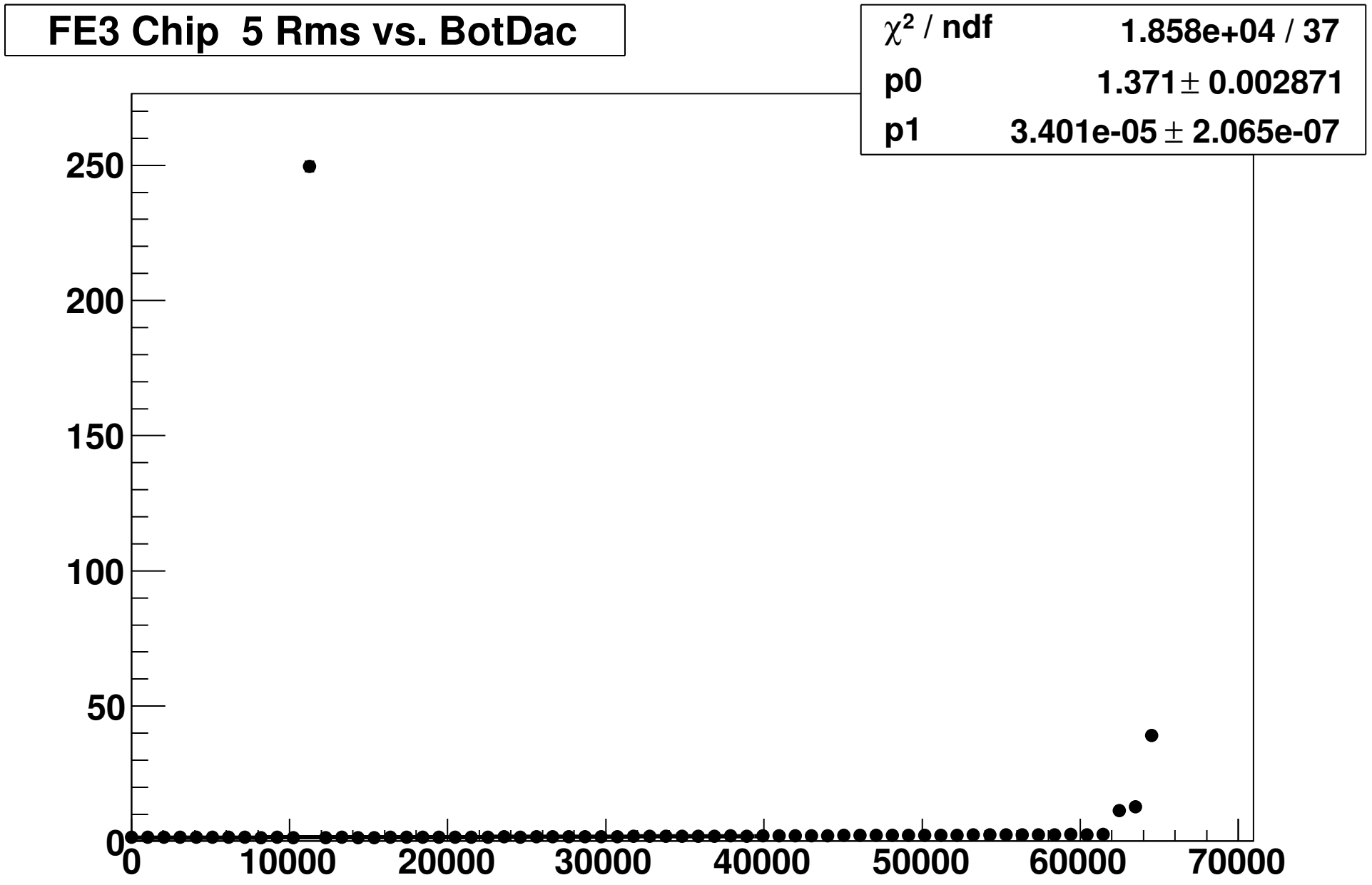

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 3.563e+04 / 37
p0 44.49 ± 0.005175
p1 0.4508 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

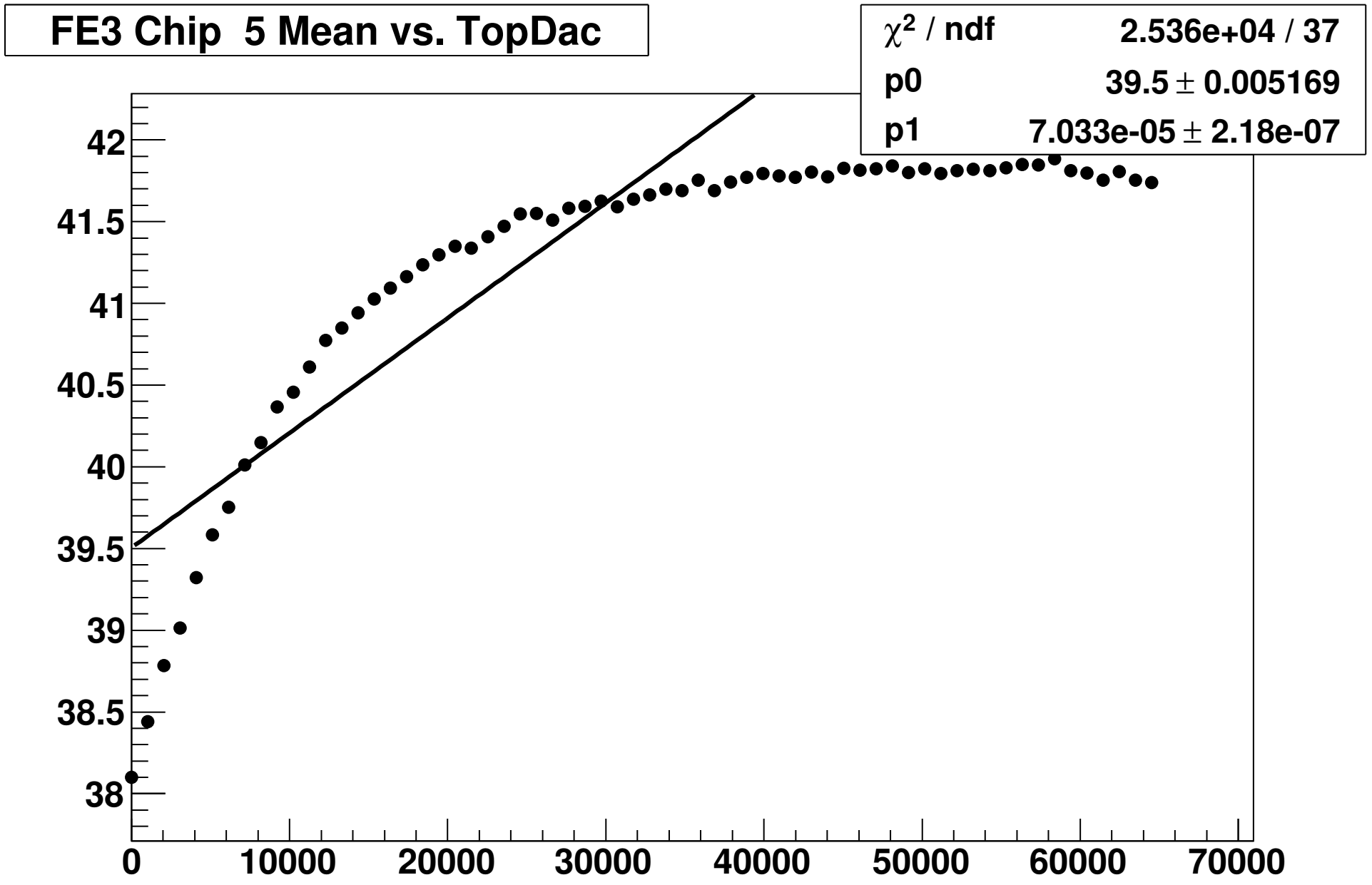

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 791.2 / 37
p0 1.381 ± 0.002829
p1 3.45e-05 ± 2.056e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 2.74e+04 / 37
p0 44.49 ± 0.00515
p1 7.157e-05 ± 2.172e-07
47
46.5
46
45.5
45
44.5
44
43.5
43
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 202.2 / 37
p0 1.464 ± 0.001763
p1 -4.879e-16 ± 7.879e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 3.64e+10 / 37
p0 -411.1 ± 0.005227
p1 0.4476 ± 2.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1.858e+04 / 37
p0 1.371 ± 0.002871
p1 3.401e-05 ± 2.065e-07
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 2.536e+04 / 37
p0 39.5 ± 0.005169
p1 7.033e-05 ± 2.18e-07
42
41.5
41
40.5
40
39.5
39
38.5
38
0
10000
20000
30000
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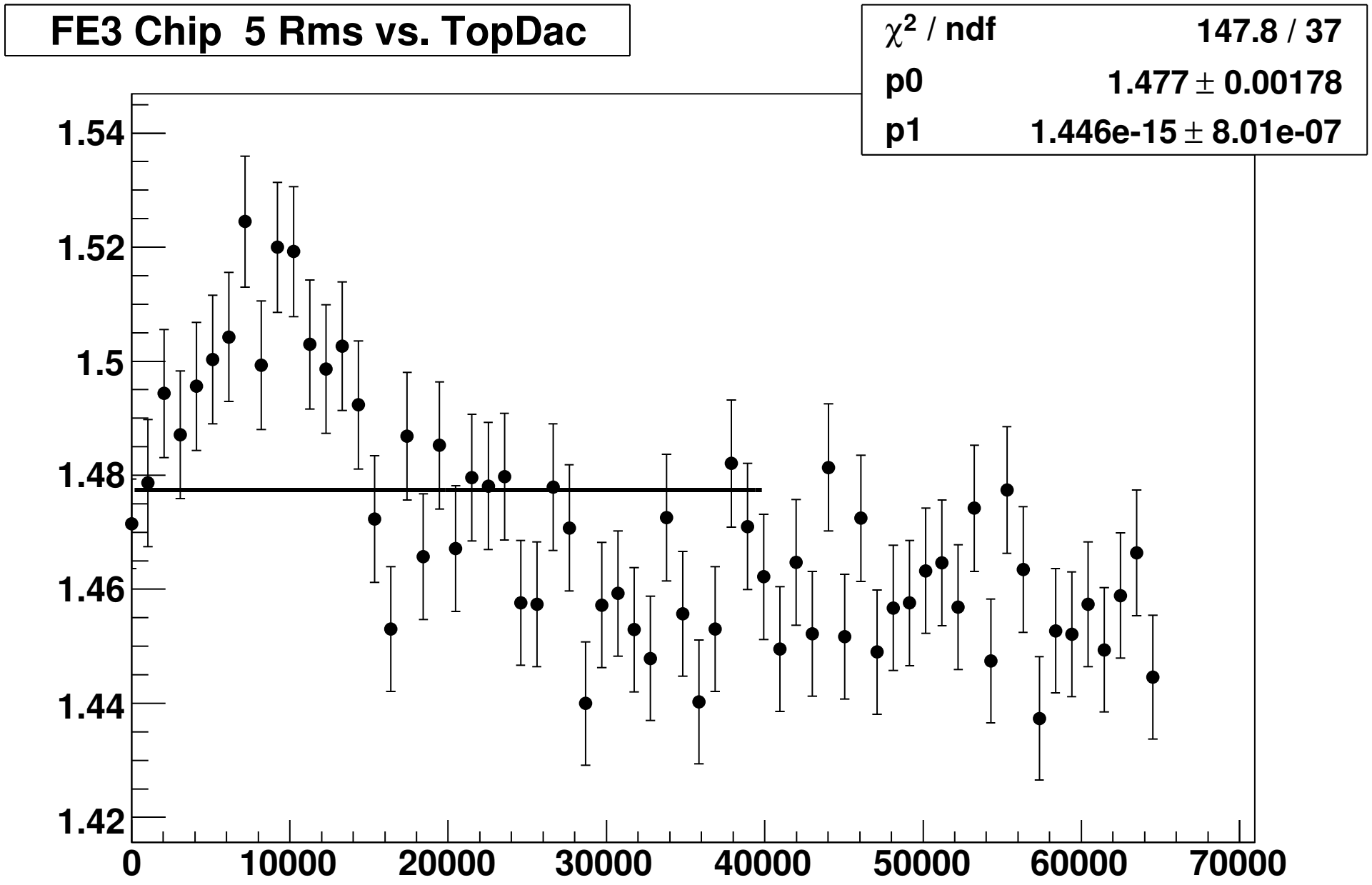
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 147.8 / 37
p0 1.477 ± 0.00178
p1 1.446e-15 ± 8.01e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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50000
60000
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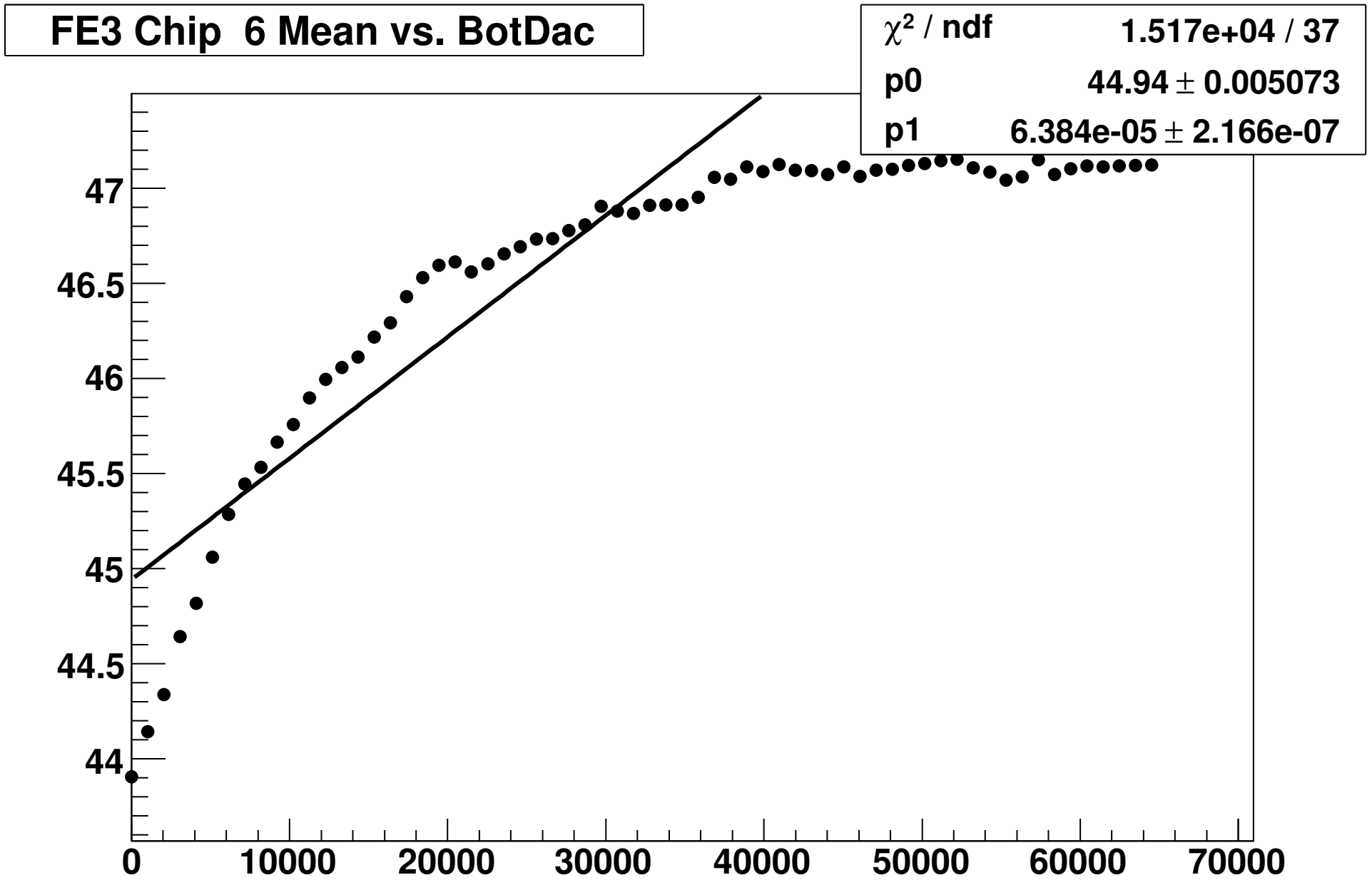
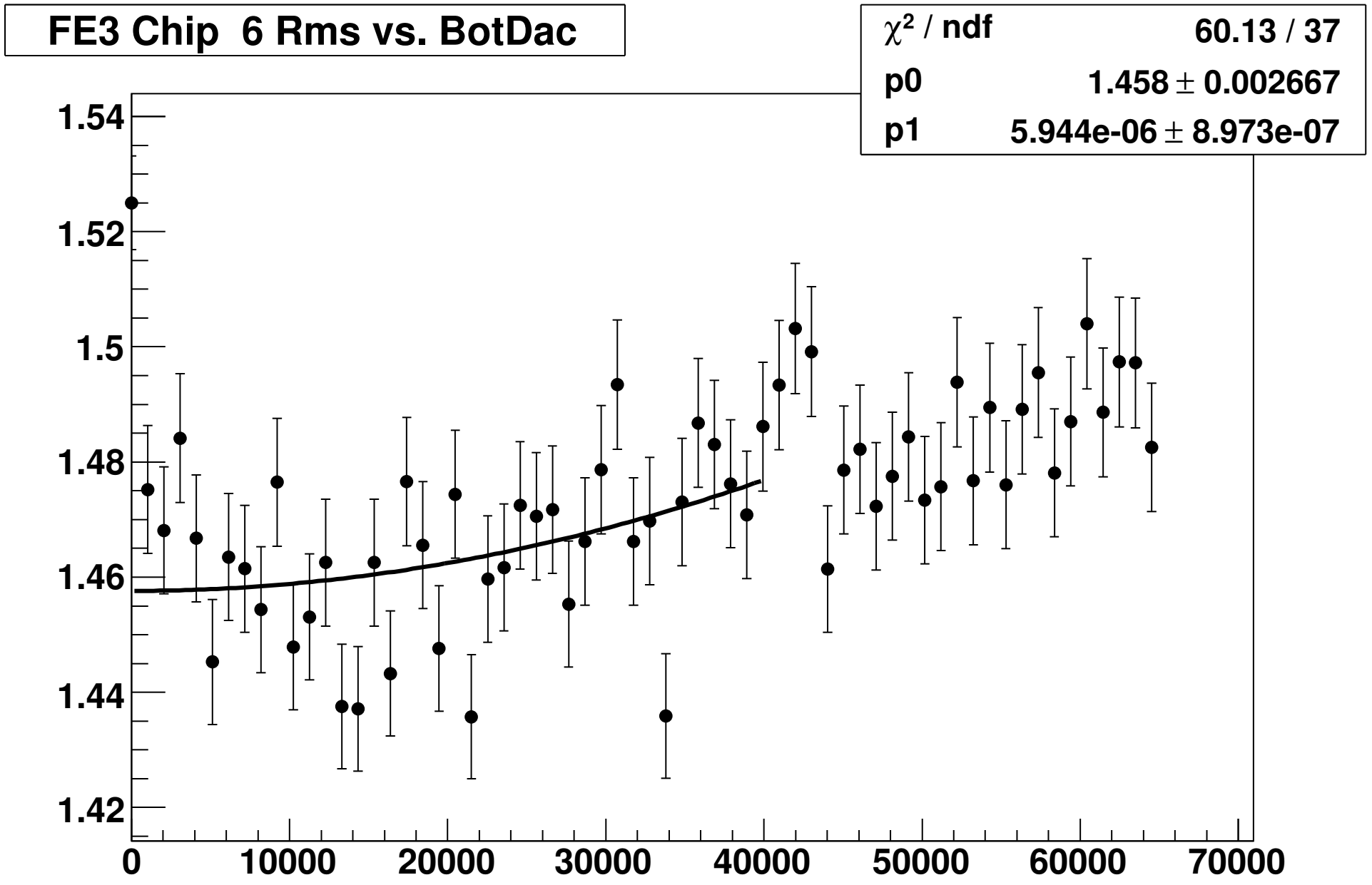

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 1.517e+04 / 37
p0 44.94 ± 0.005073
p1 6.384e-05 ± 2.166e-07
47
46.5
46
45.5
45
44.5
44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 60.13 / 37
p0 1.458 ± 0.002667
p1 5.944e-06 ± 8.973e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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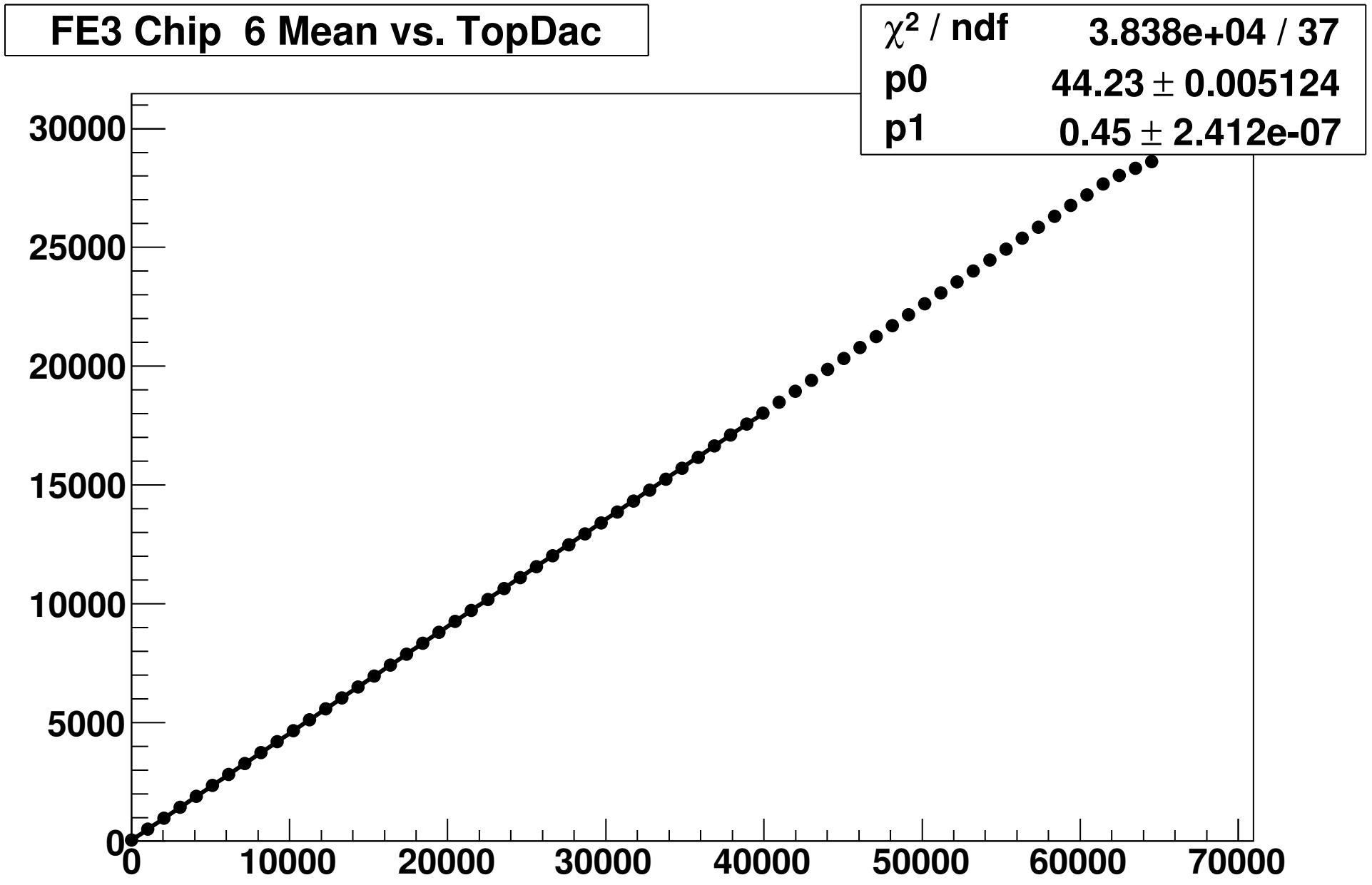
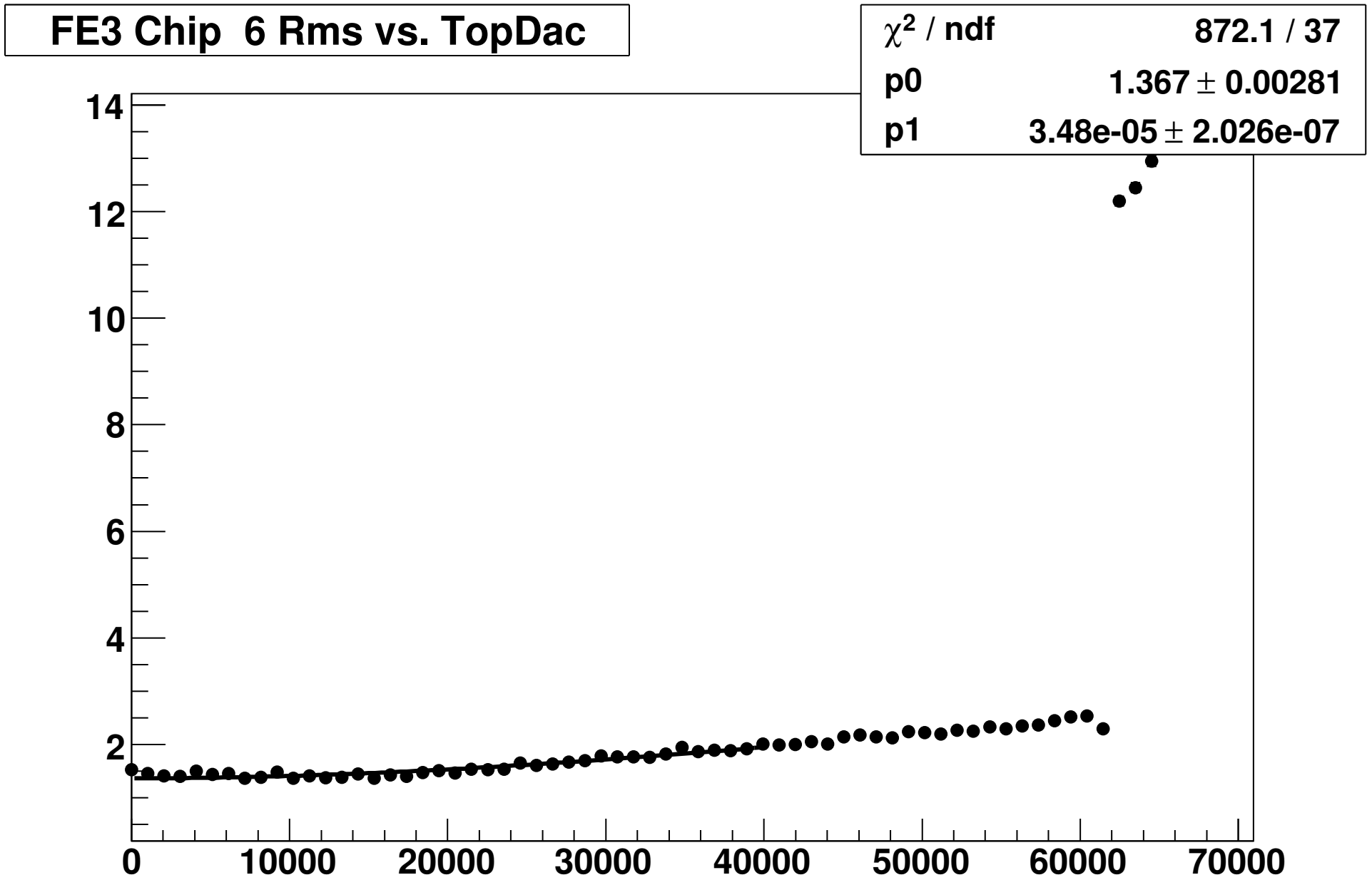

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 3.838e+04 / 37
p0 44.23 ± 0.005124
p1 0.45 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 872.1 / 37
p0 1.367 ± 0.00281
p1 3.48e-05 ± 2.026e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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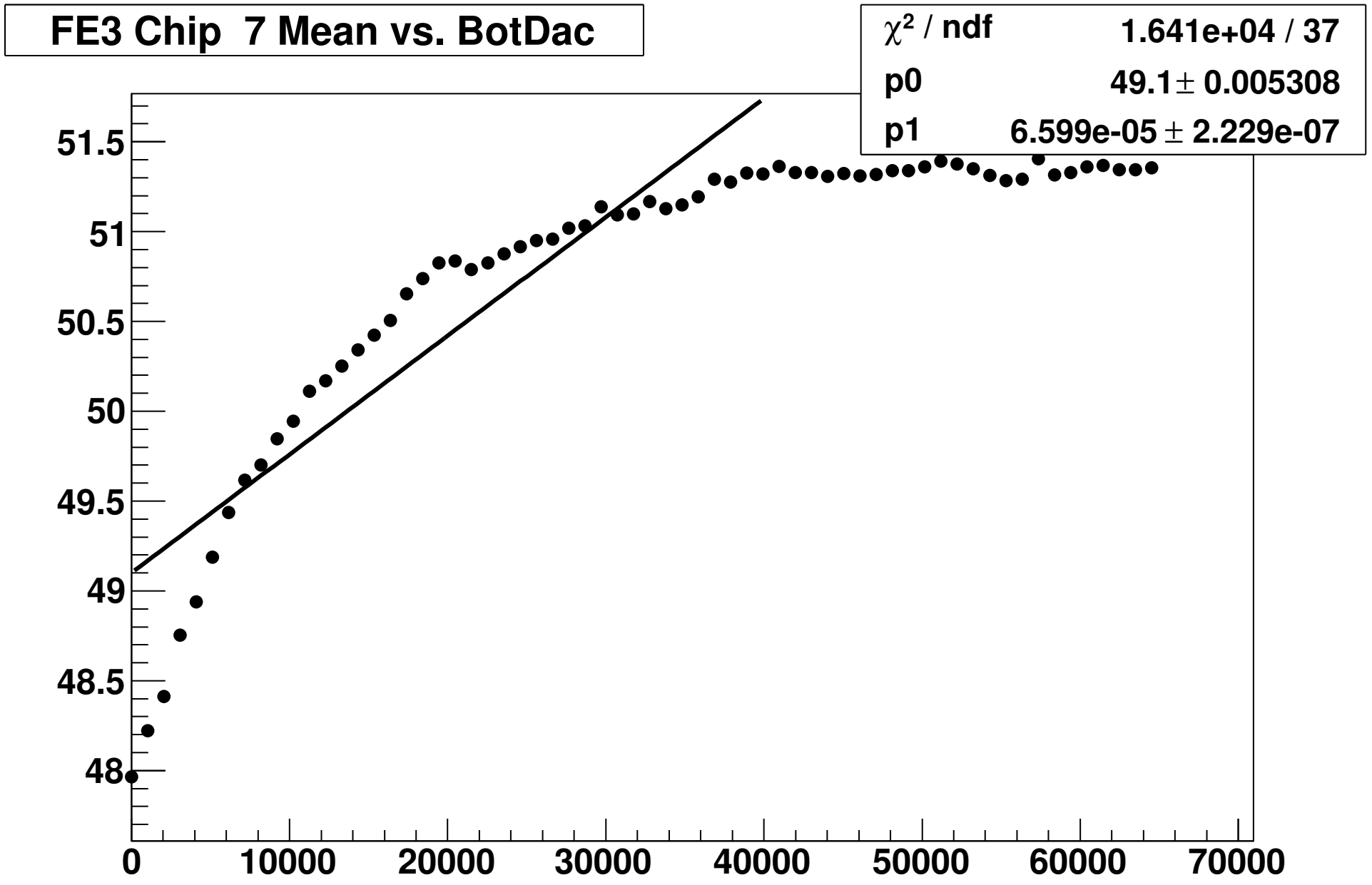
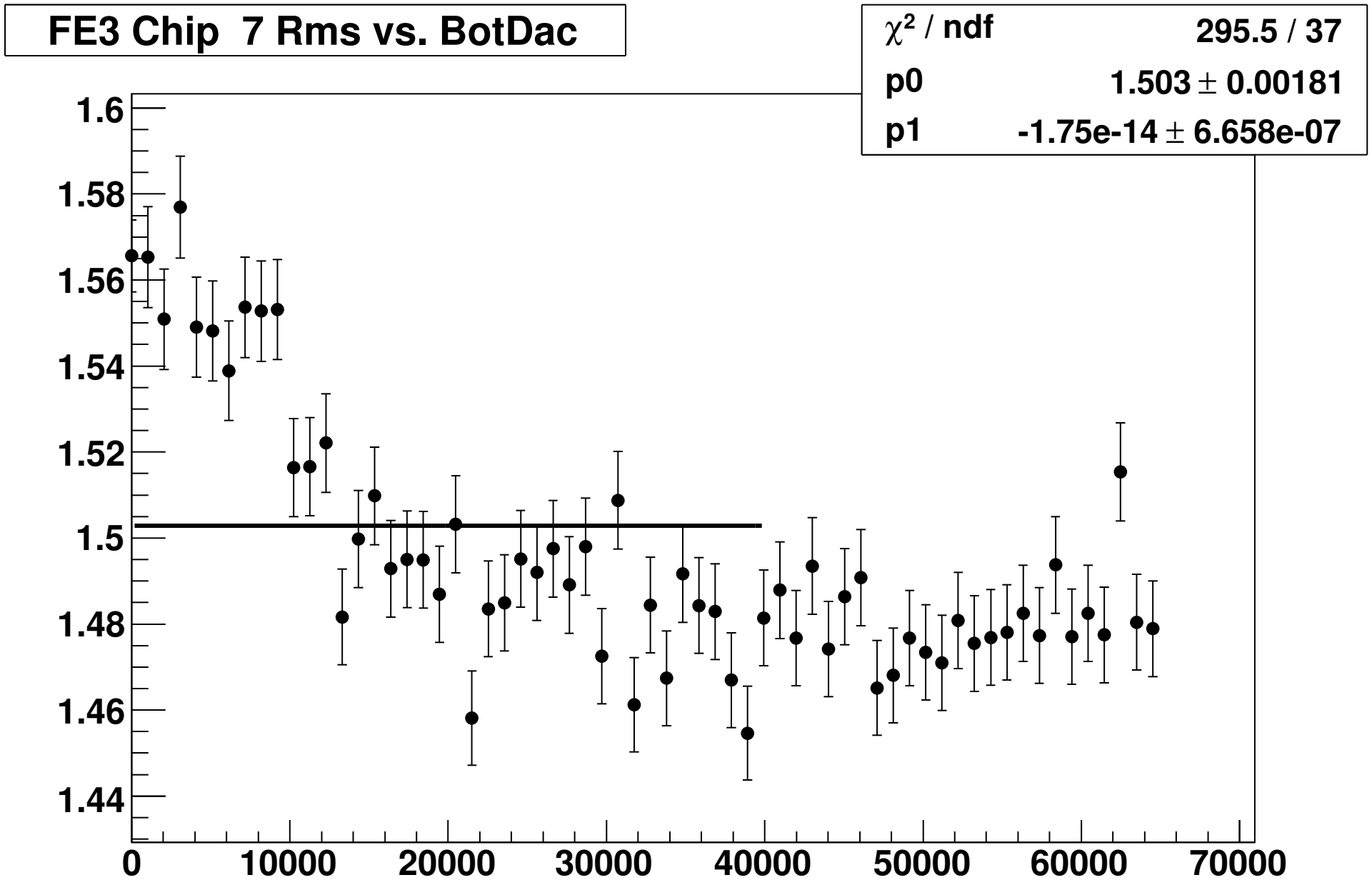
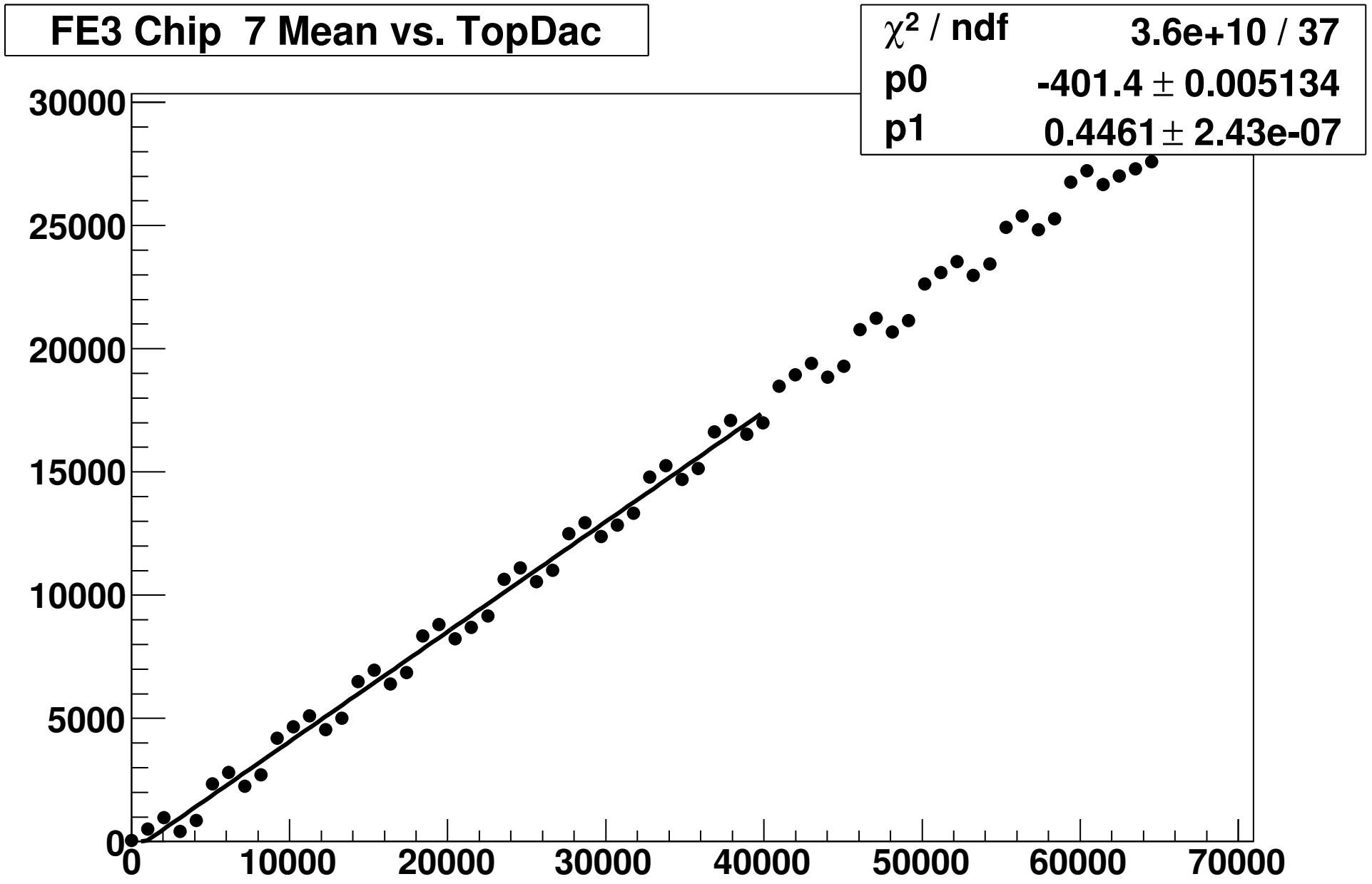
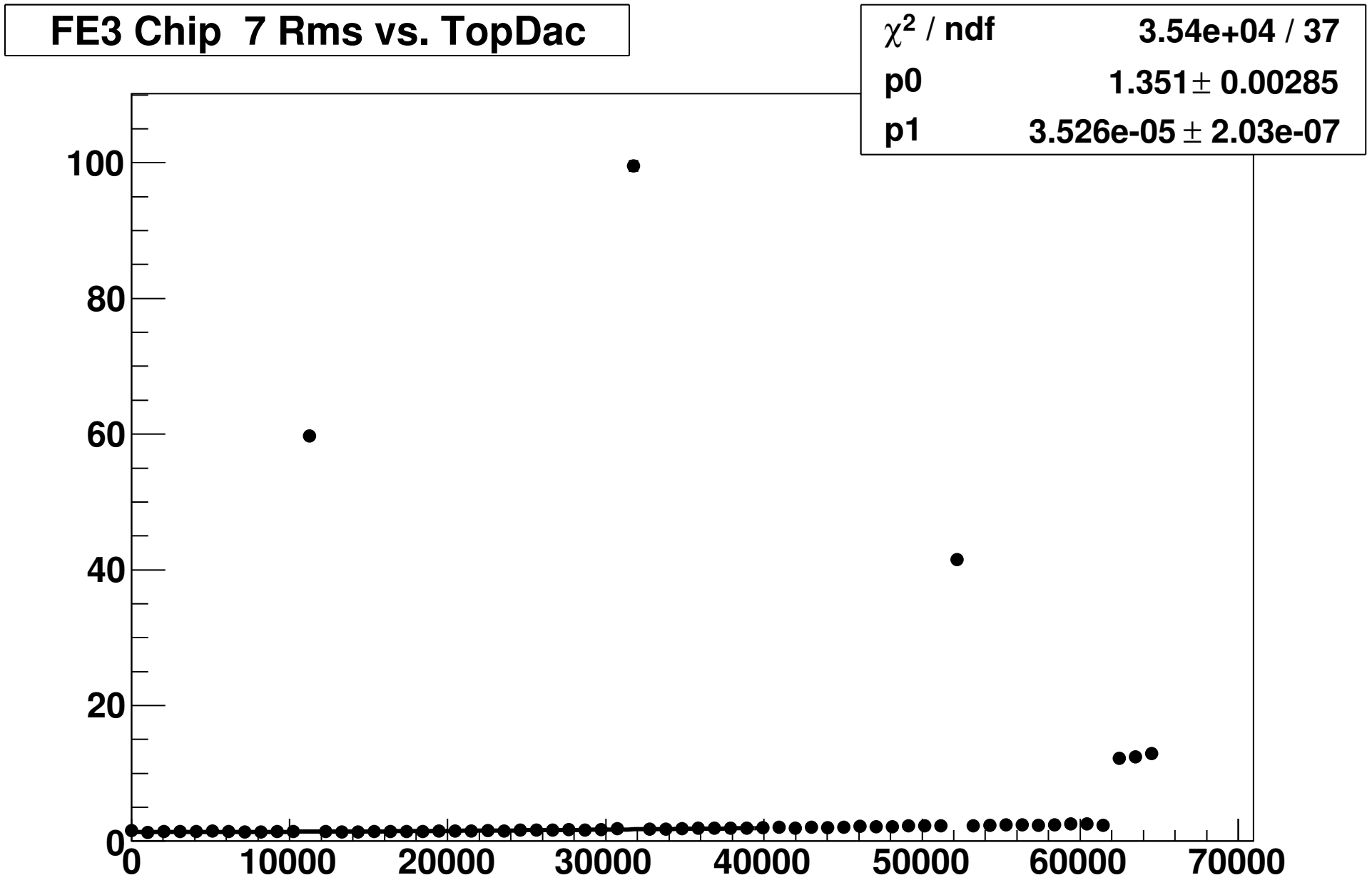

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1.641e+04 / 37
p0 49.1 ± 0.005308
p1 6.599e-05 ± 2.229e-07
51.5
51
50.5
50
49.5
49
48.5
48
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 295.5 / 37
p0 1.503 ± 0.00181
p1 -1.75e-14 ± 6.658e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 3.6e+10 / 37
p0 -401.4 ± 0.005134
p1 0.4461 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 3.54e+04 / 37
p0 1.351 ± 0.00285
p1 3.526e-05 ± 2.03e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
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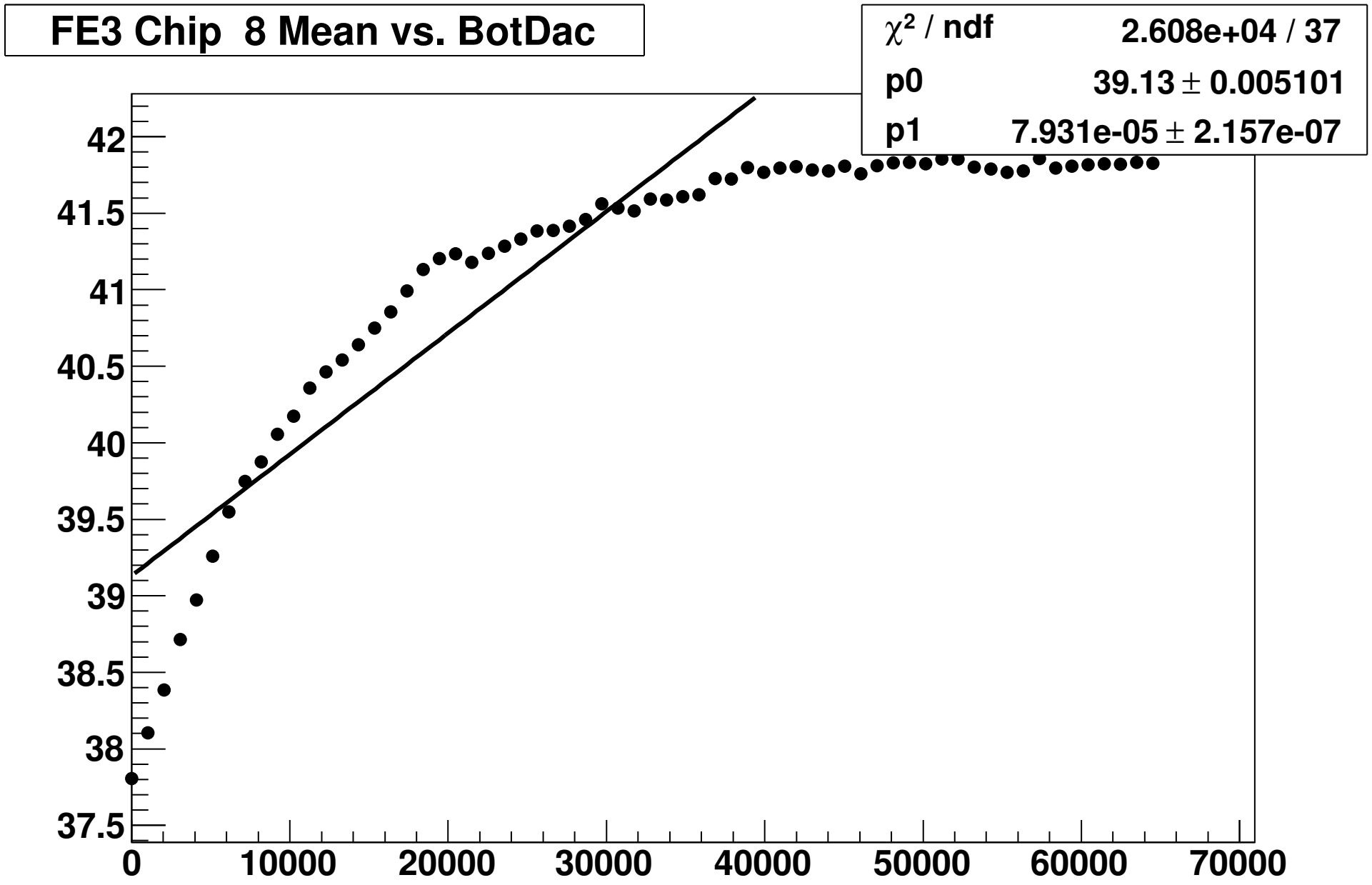
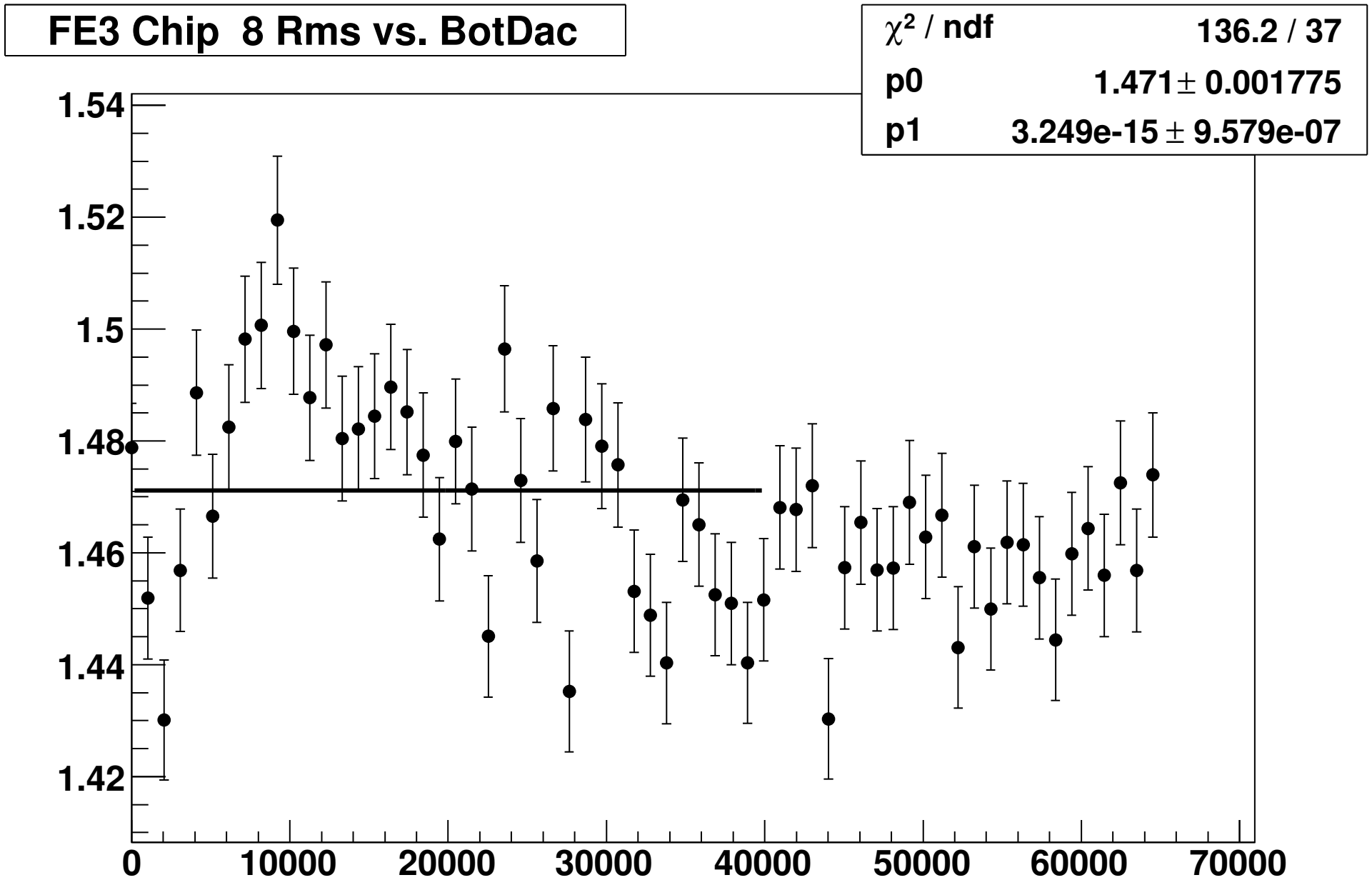
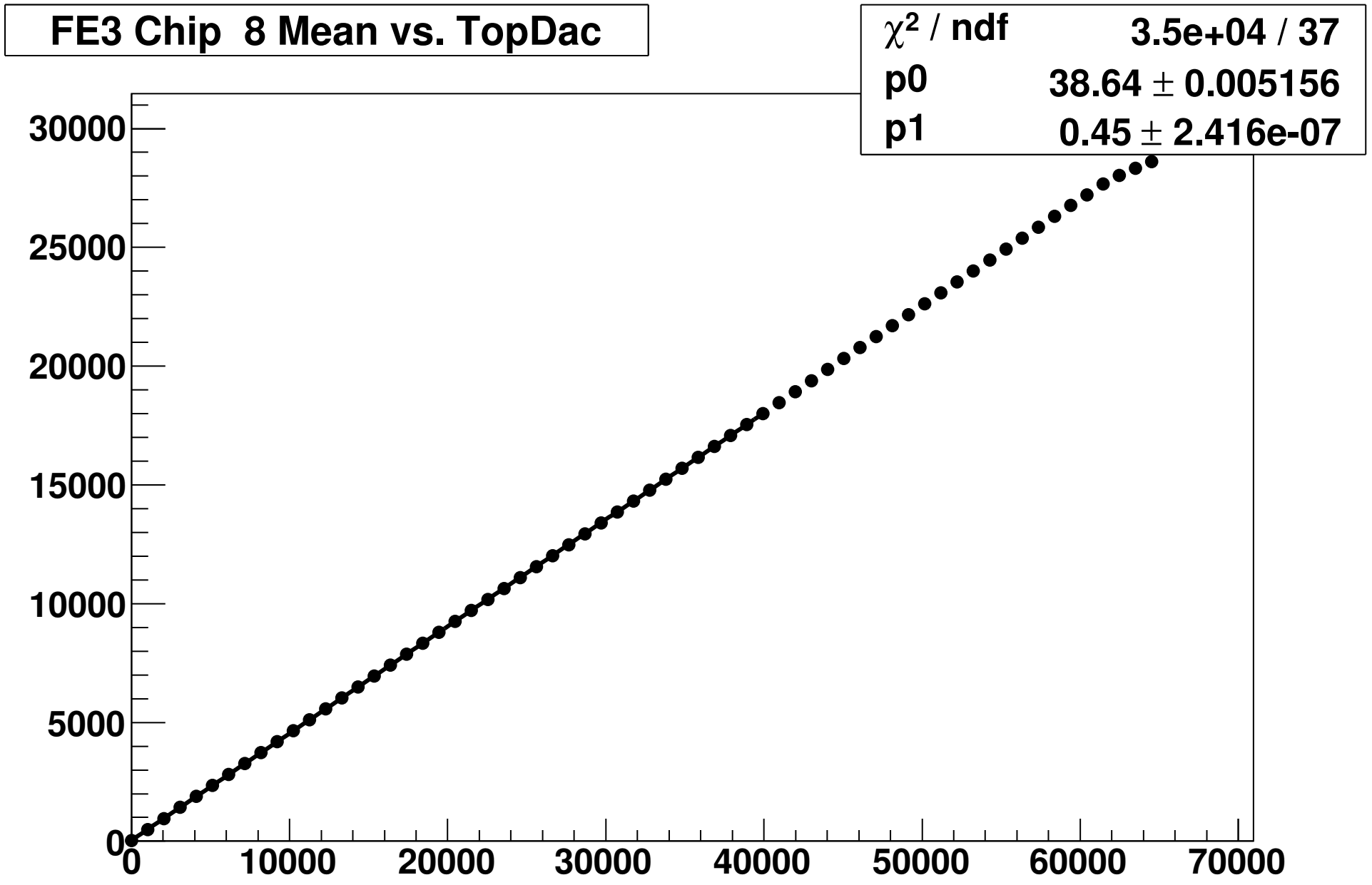
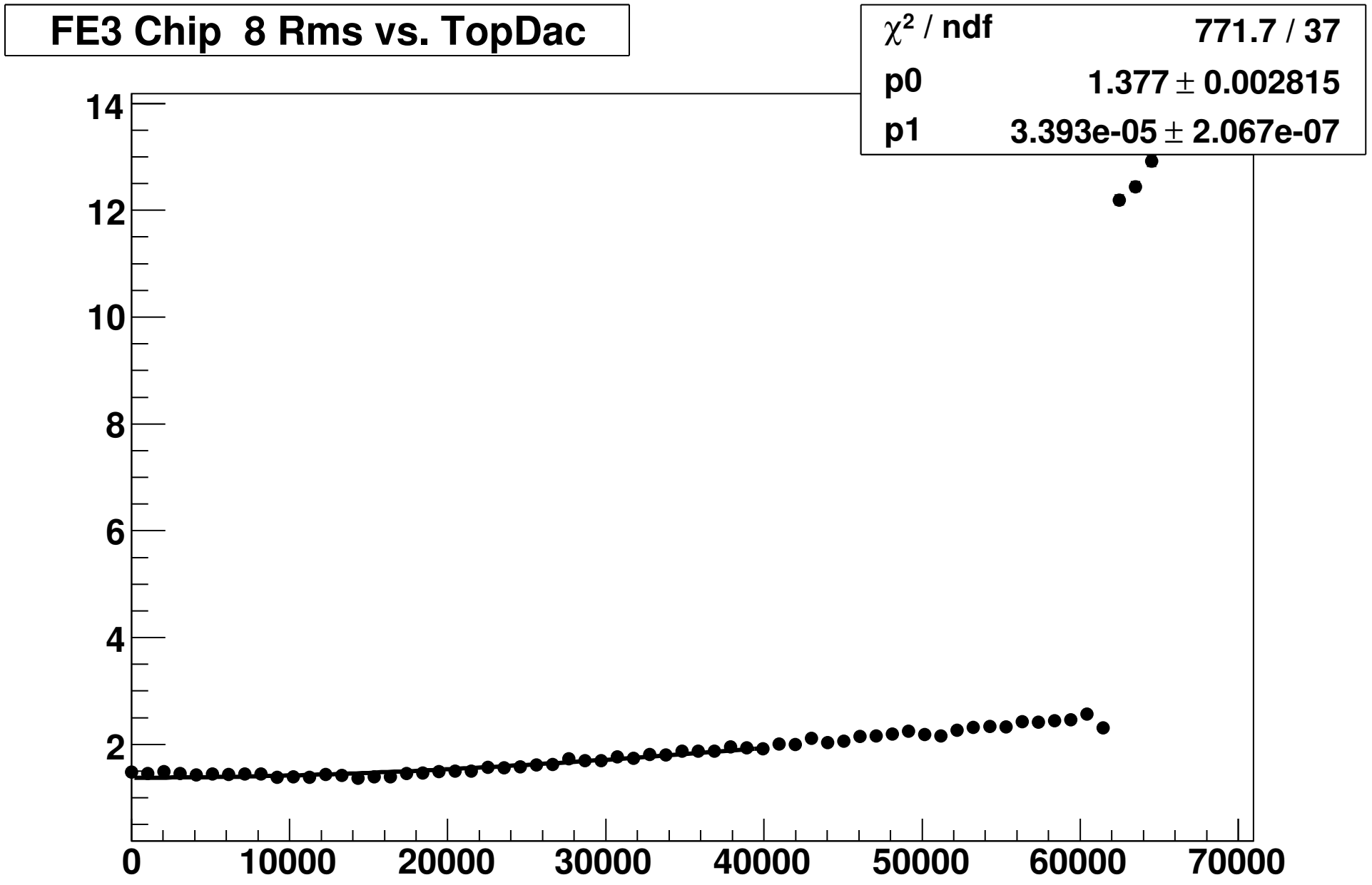

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 2.608e+04 / 37
p0 39.13 ± 0.005101
p1 7.931e-05 ± 2.157e-07
42
41.5
41
40.5
40
39.5
39
38.5
38
37.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 136.2 / 37
p0 1.471 ± 0.001775
p1 3.249e-15 ± 9.579e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 3.5e+04 / 37
p0 38.64 ± 0.005156
p1 0.45 ± 2.416e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 771.7 / 37
p0 1.377 ± 0.002815
p1 3.393e-05 ± 2.067e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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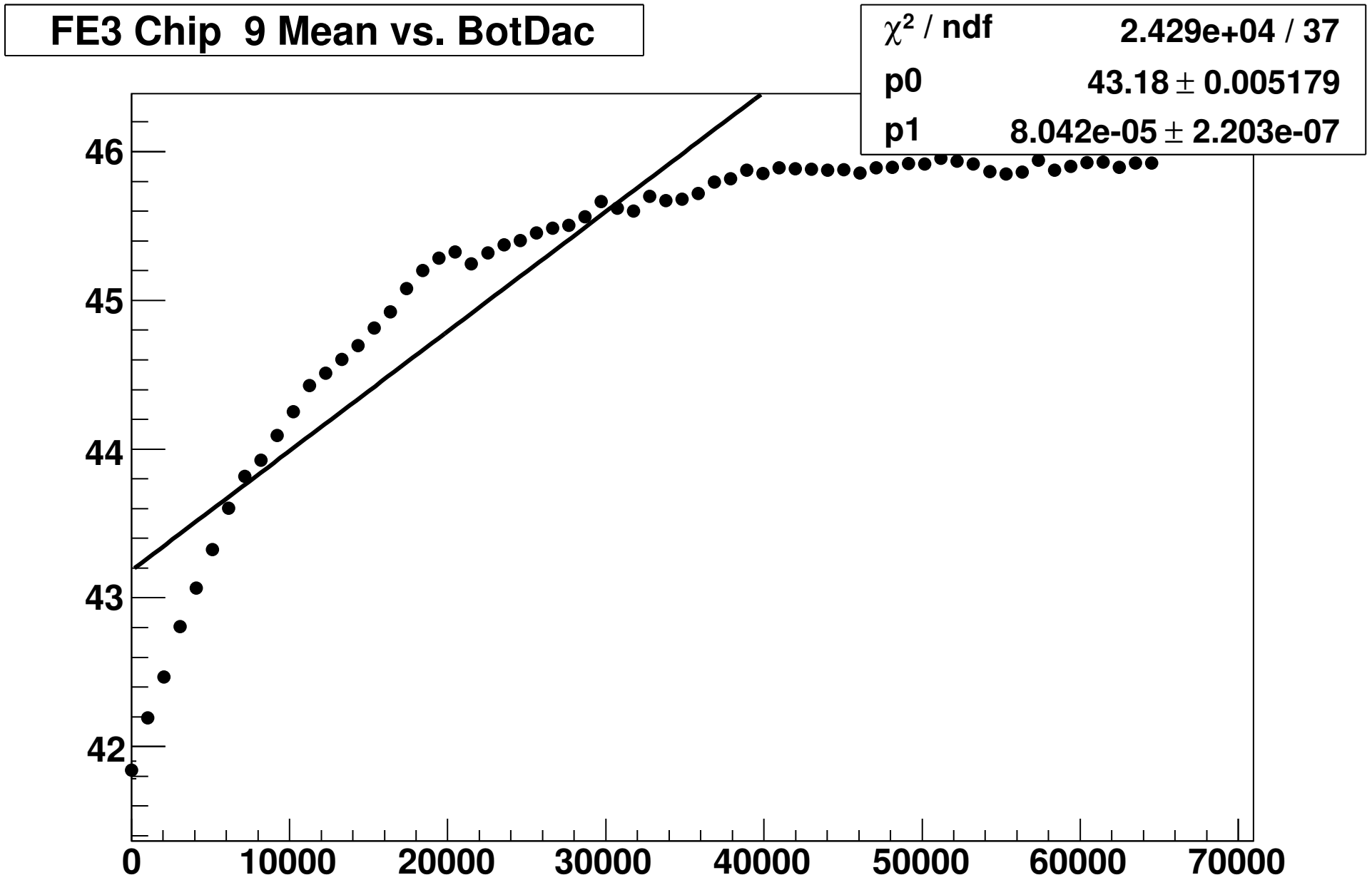
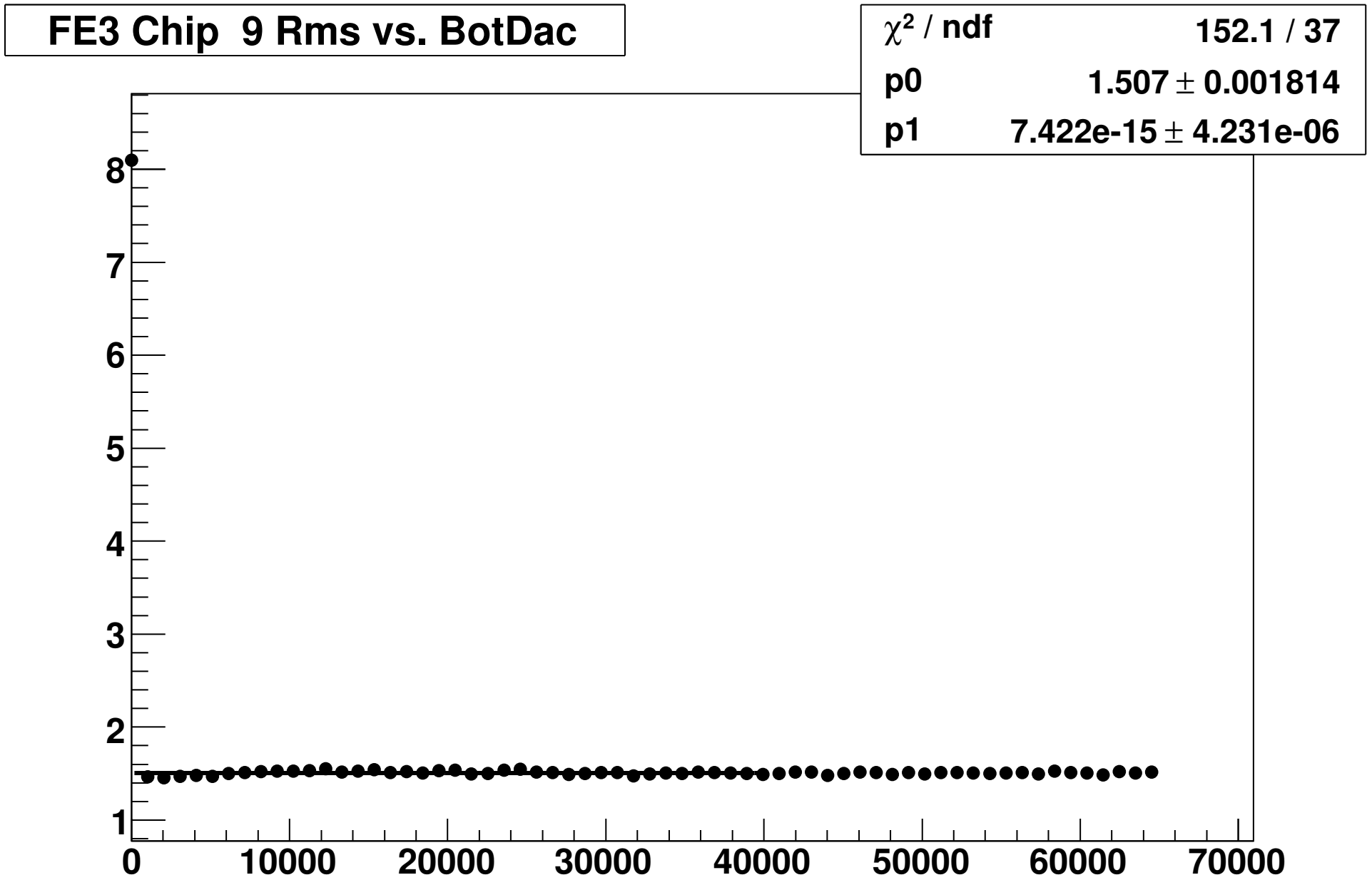

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 2.429e+04 / 37
p0 43.18 ± 0.005179
p1 8.042e-05 ± 2.203e-07
46
45
44
43
42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 152.1 / 37
p0 1.507 ± 0.001814
p1 7.422e-15 ± 4.231e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
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60000
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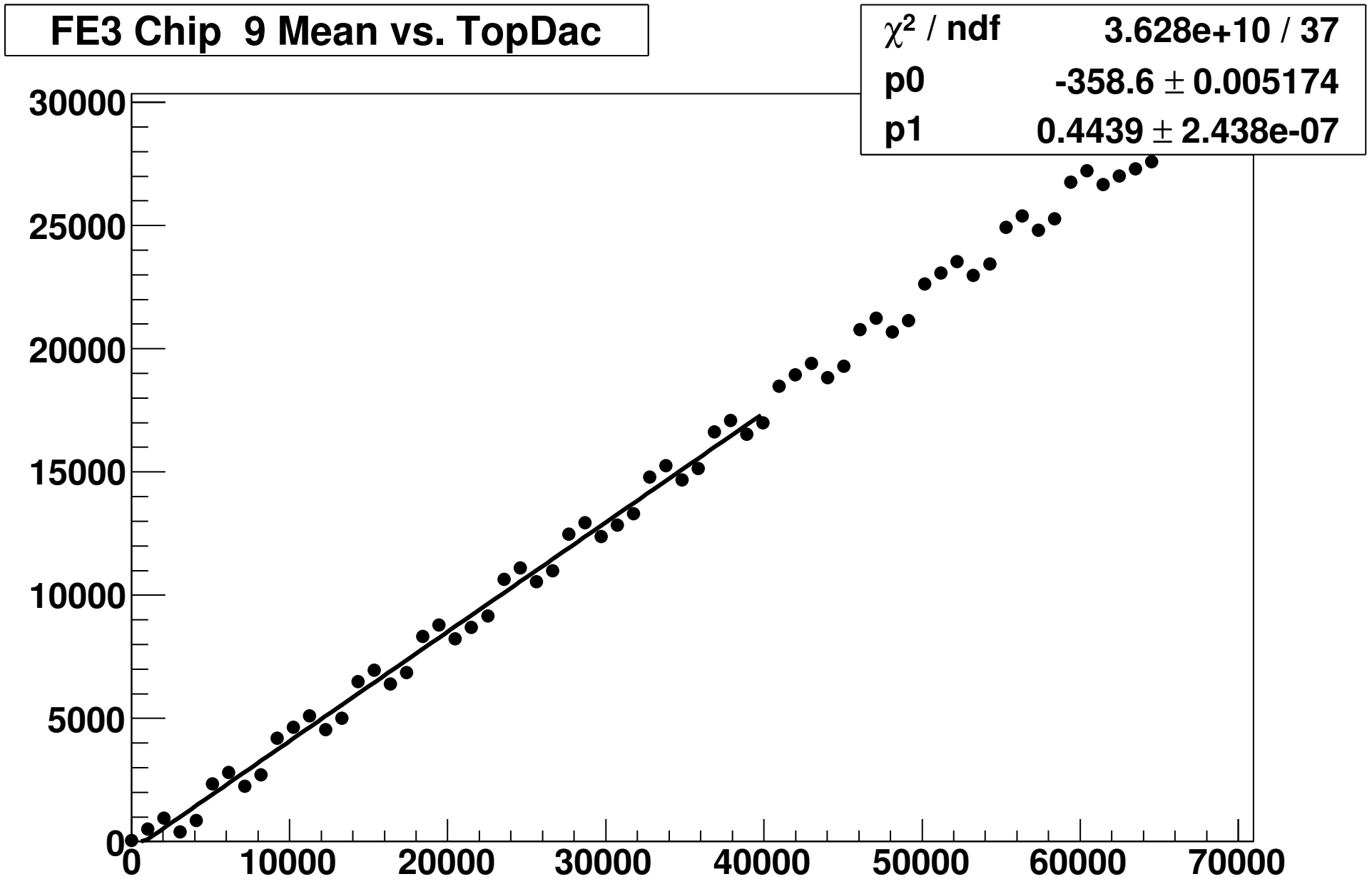
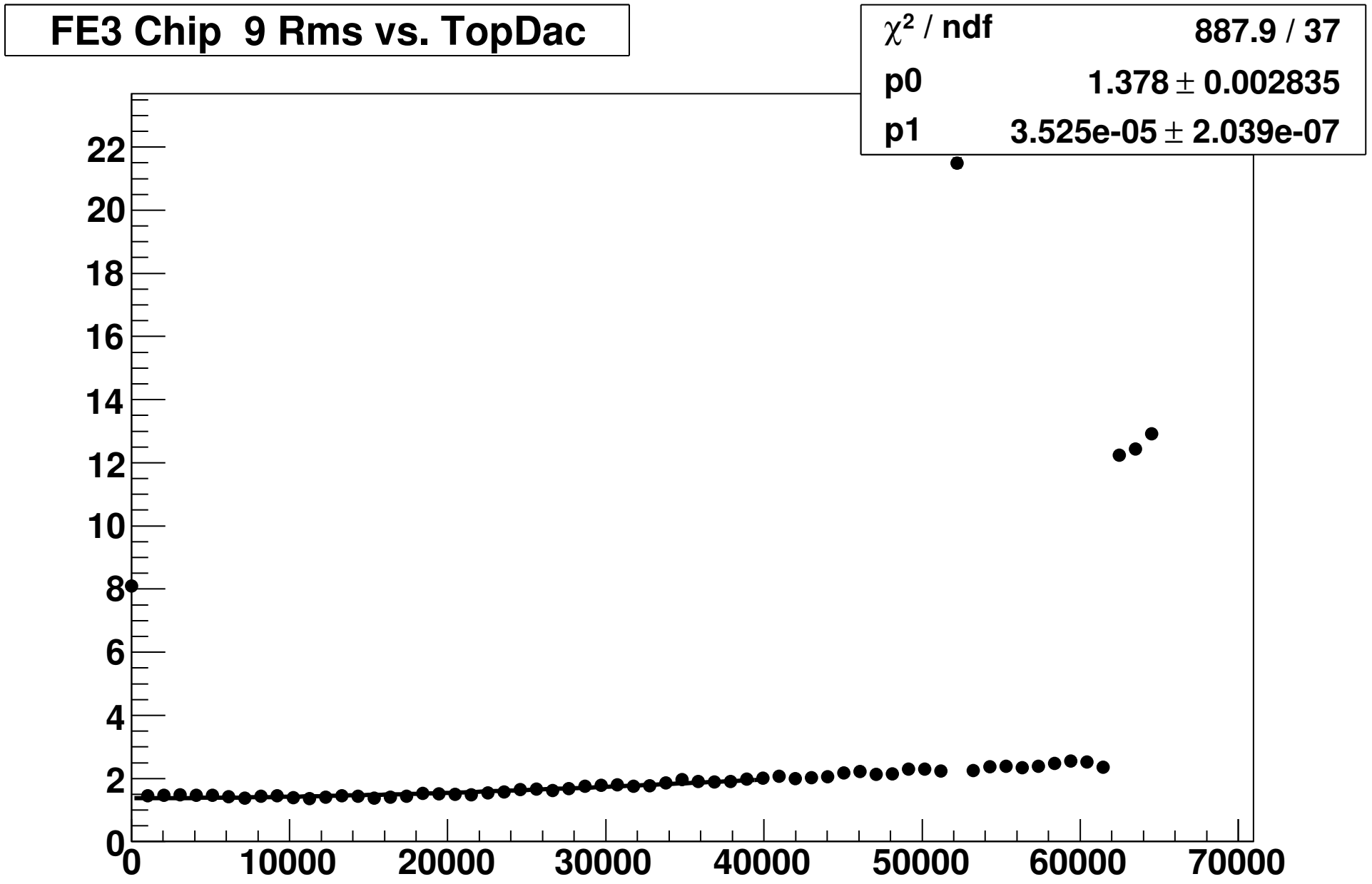

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 3.628e+10 / 37
p0 -358.6 ± 0.005174
p1 0.4439 ± 2.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 887.9 / 37
p0 1.378 ± 0.002835
p1 3.525e-05 ± 2.039e-07
0
2
4
6
8
10
12
14
16
18
20
22
0
10000
20000
30000
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60000
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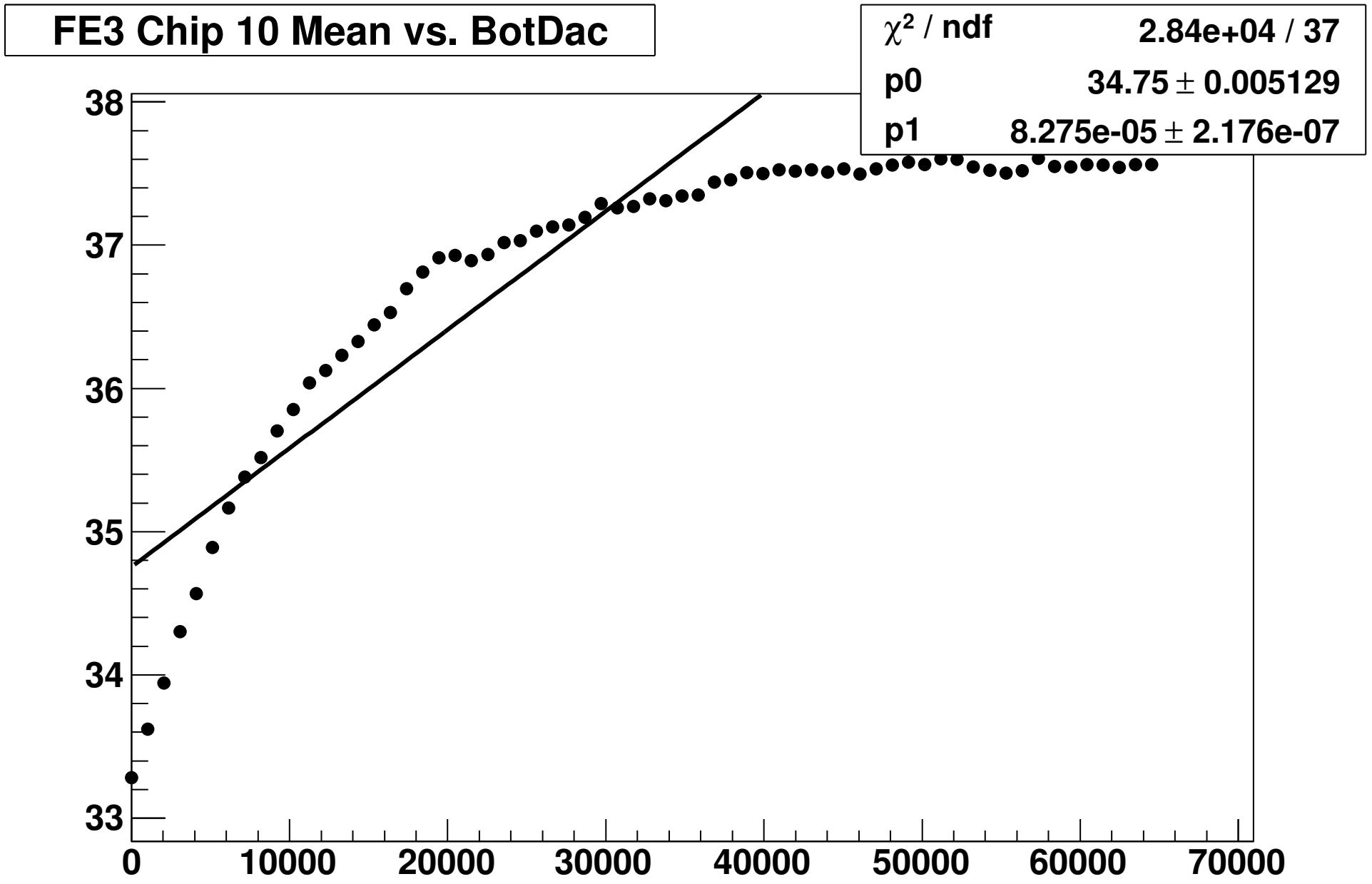
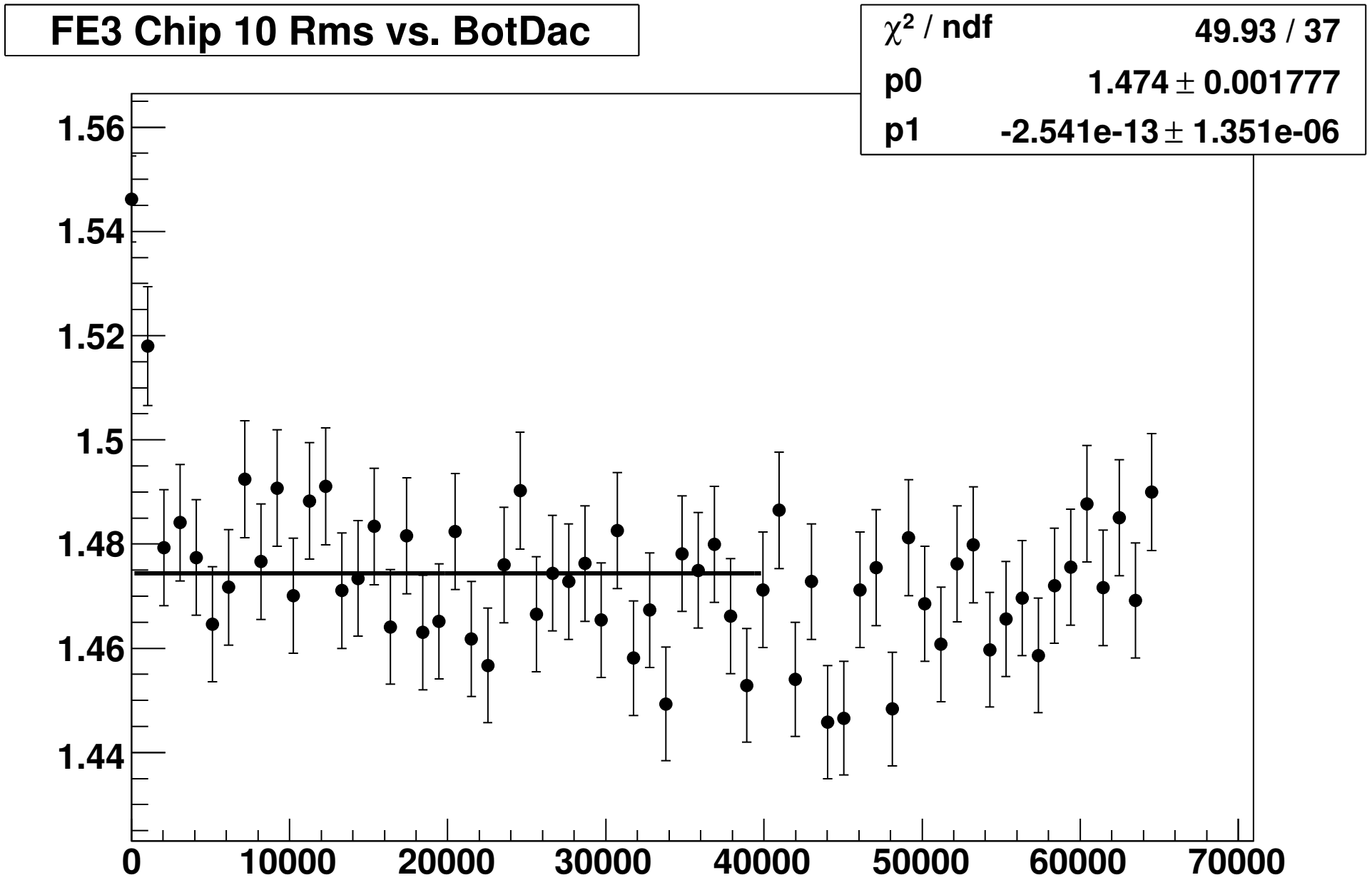
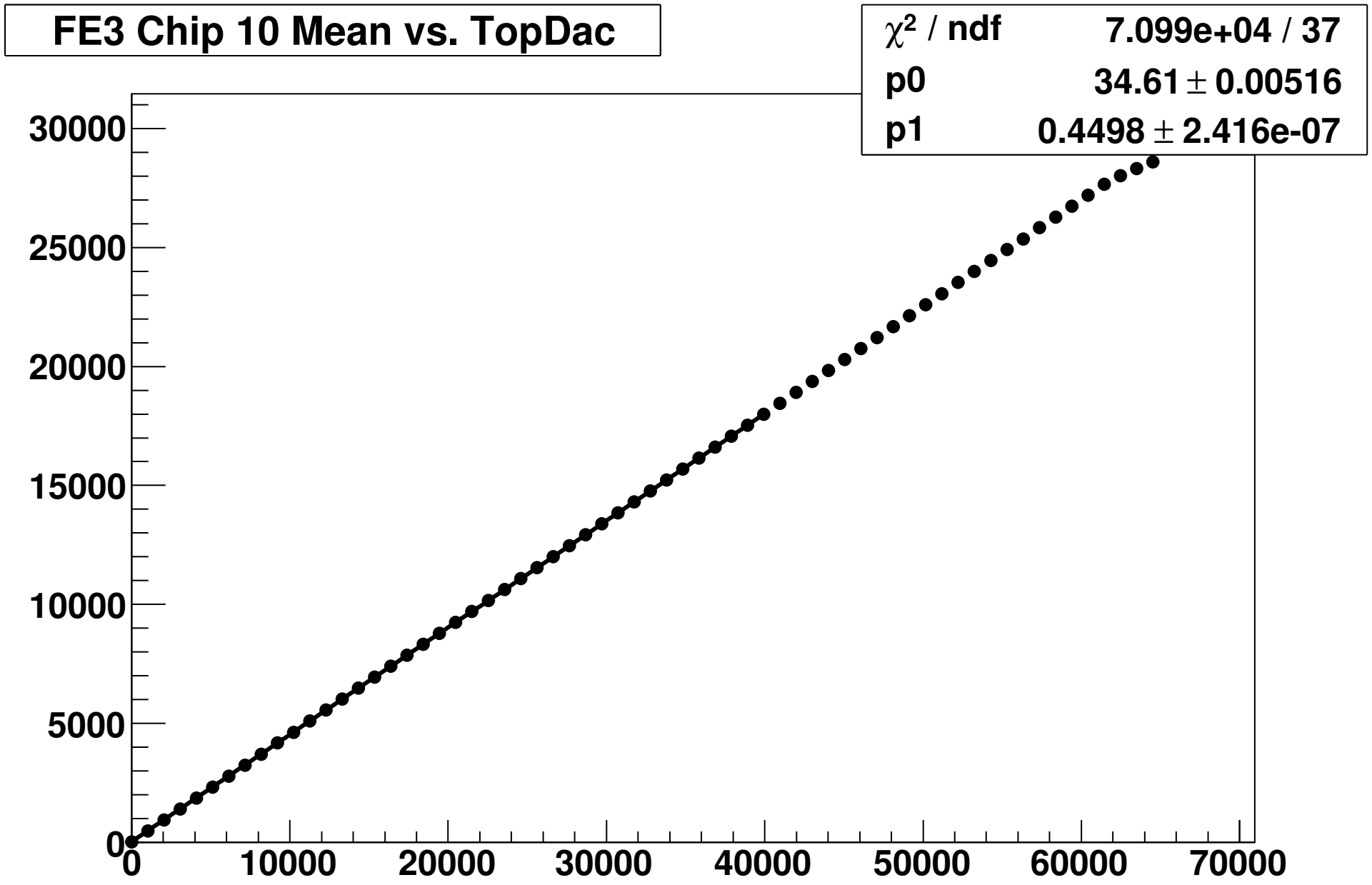

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 2.84e+04 / 37
p0 34.75 ± 0.005129
p1 8.275e-05 ± 2.176e-07
38
37
36
35
34
33
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 49.93 / 37
p0 1.474 ± 0.001777
p1 -2.541e-13 ± 1.351e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 7.099e+04 / 37
p0 34.61 ± 0.00516
p1 0.4498 ± 2.416e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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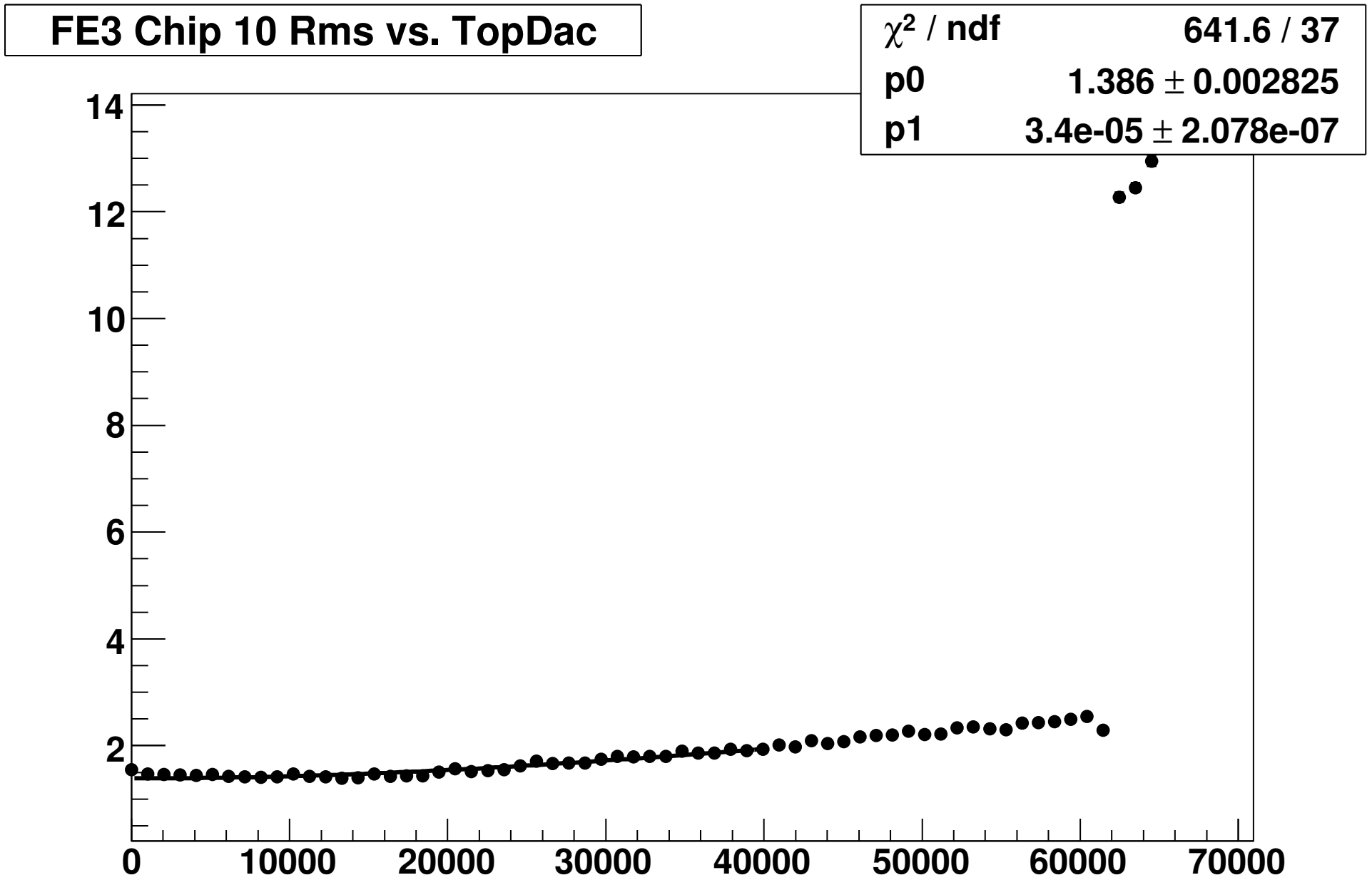
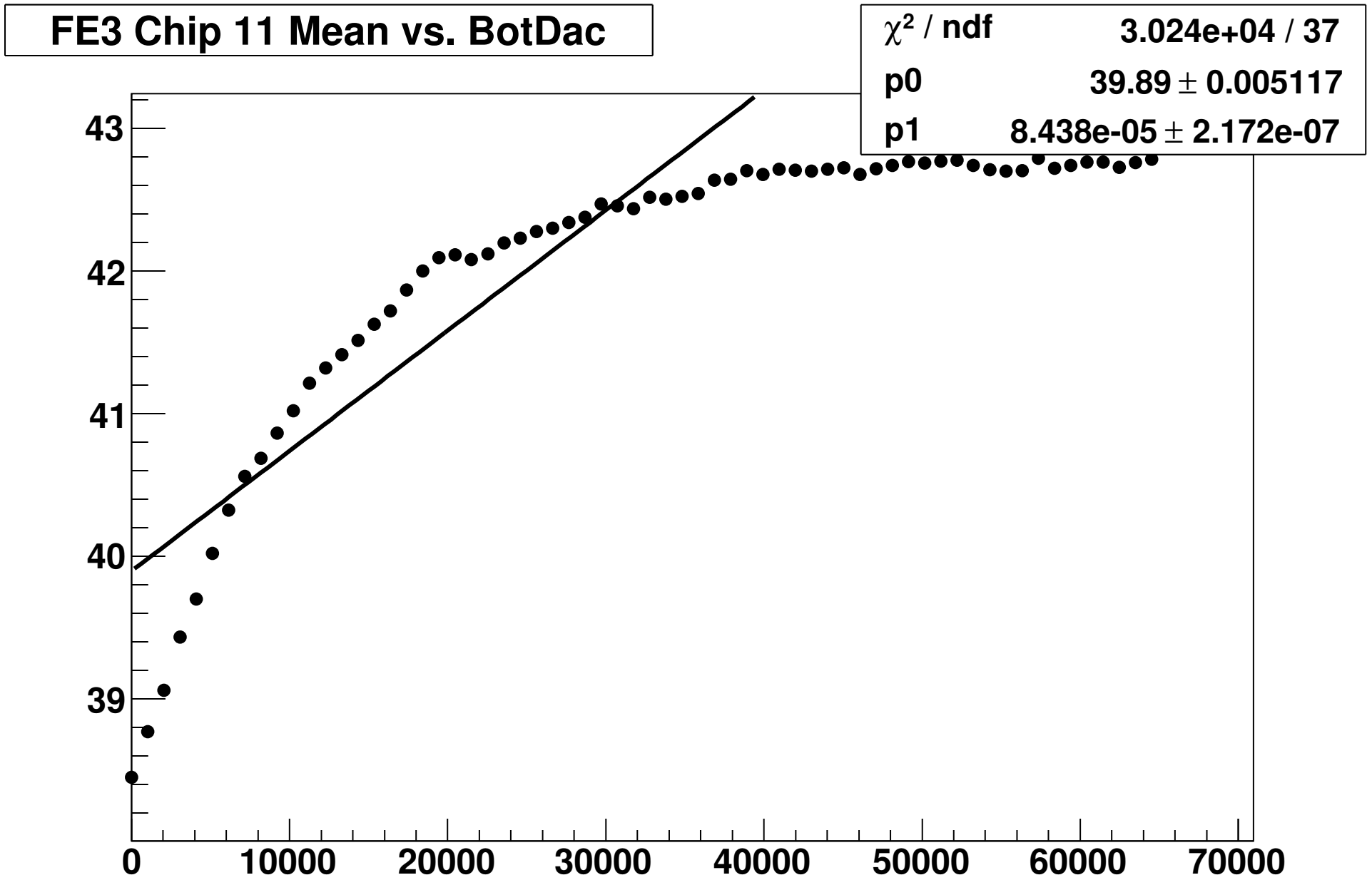
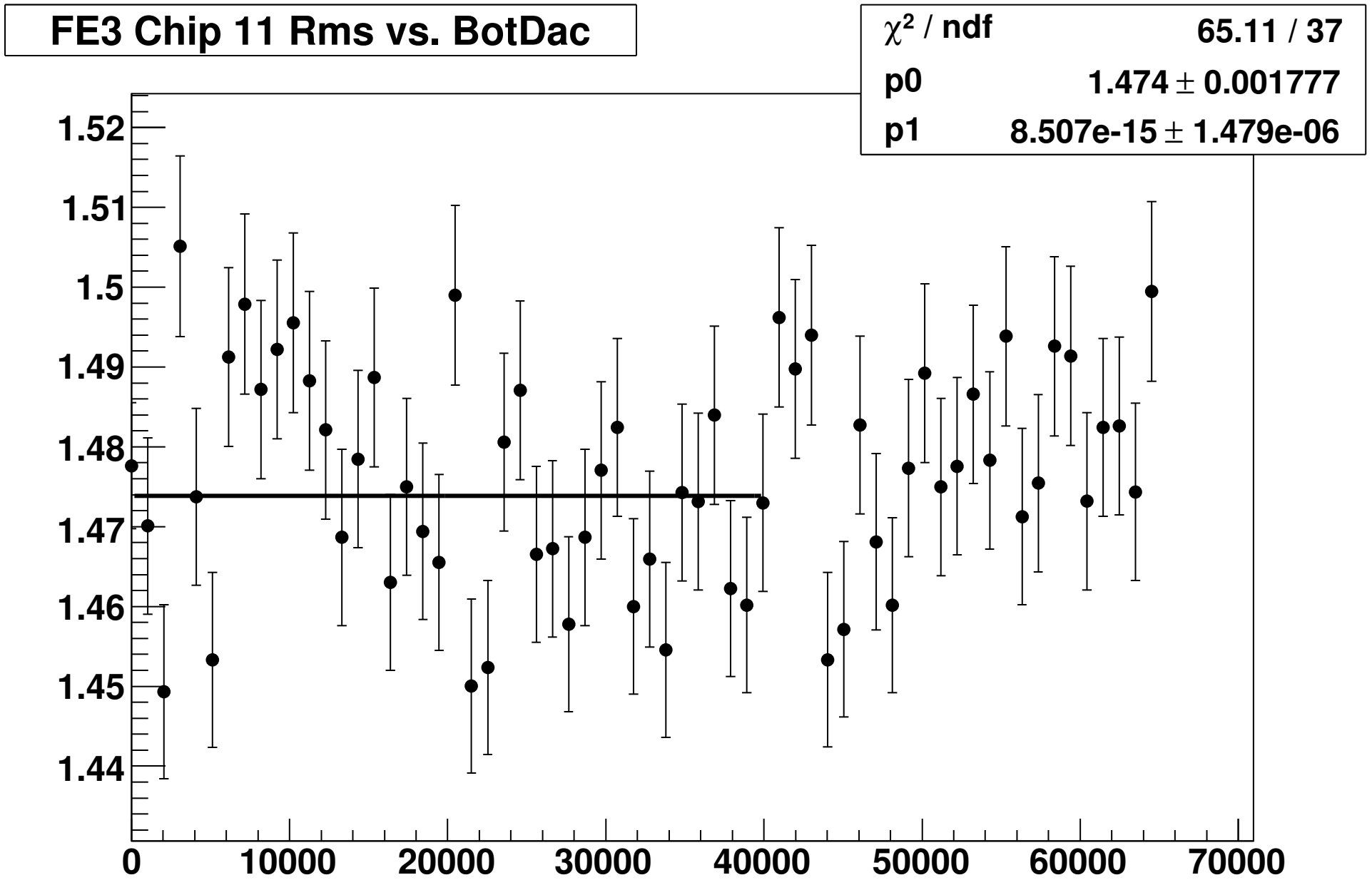
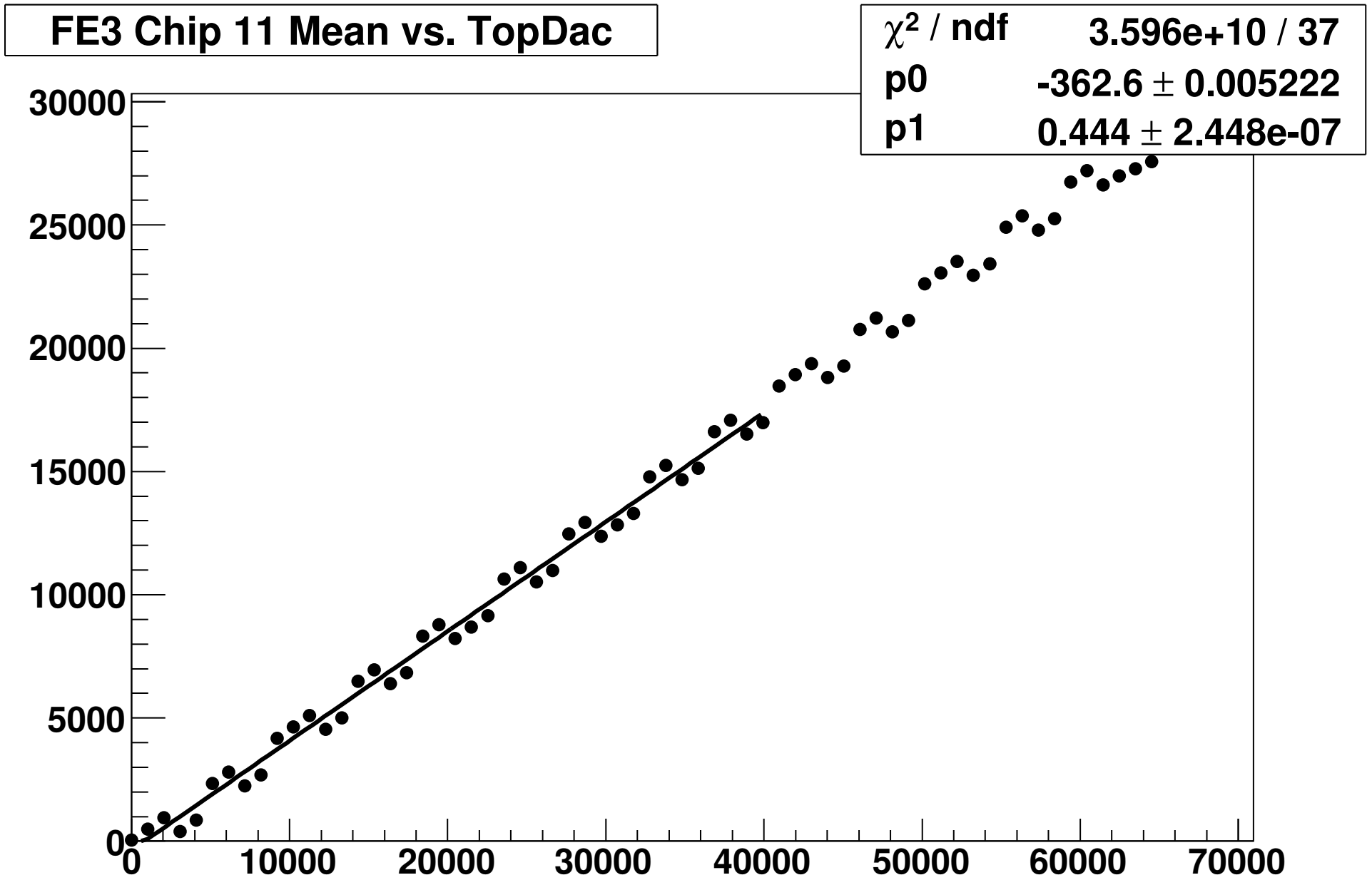
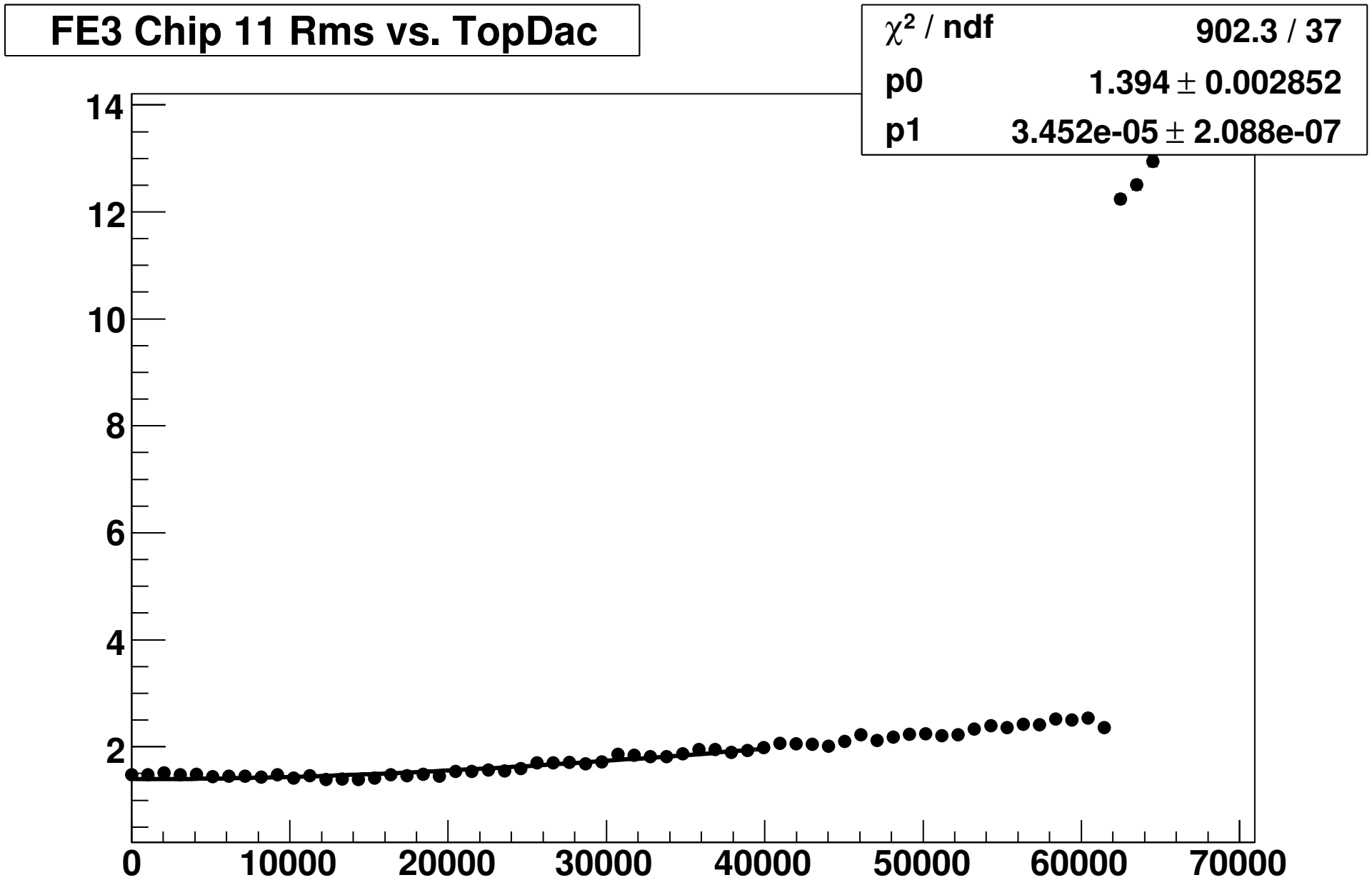
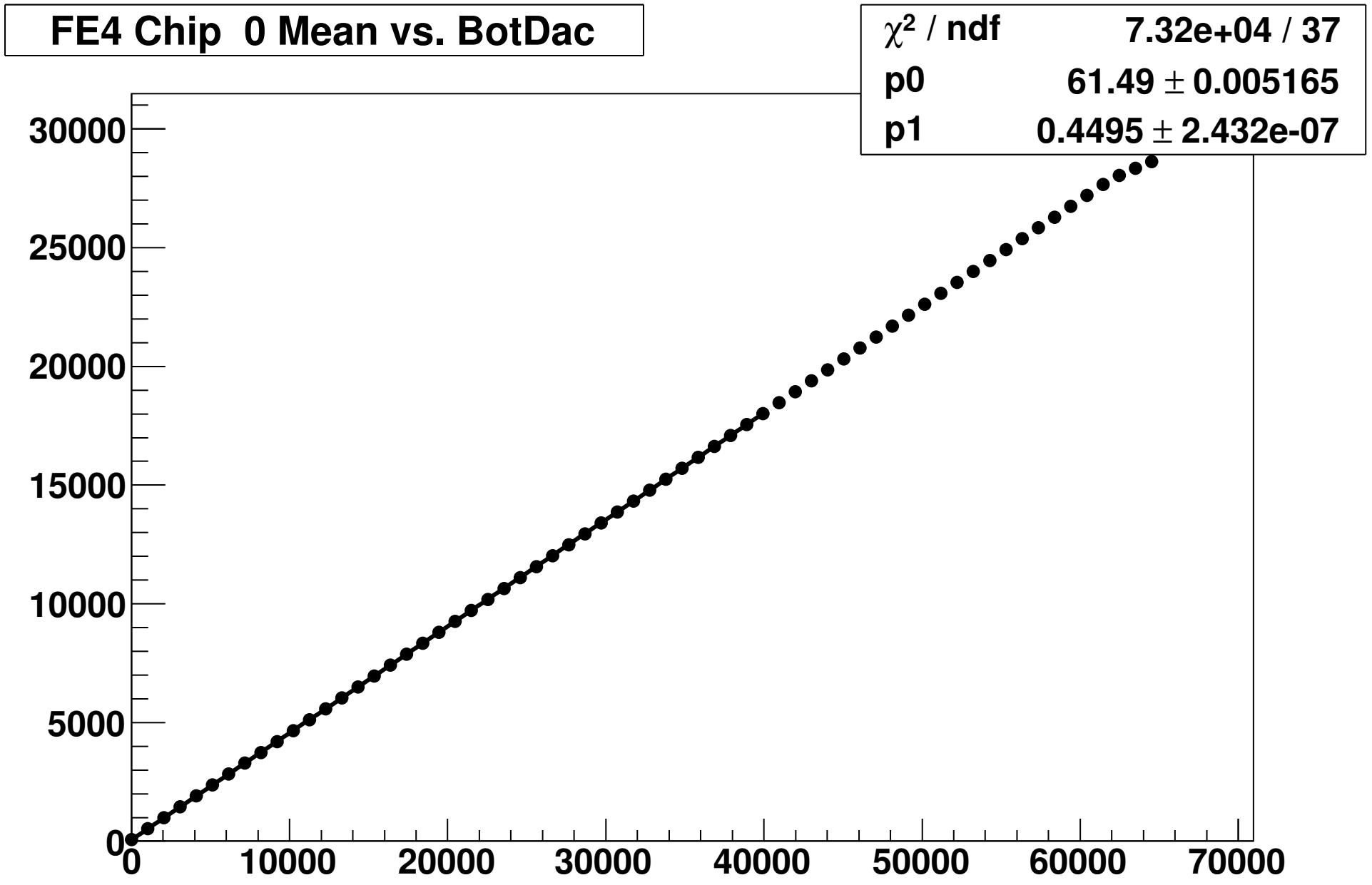

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 641.6 / 37
p0 1.386 ± 0.002825
p1 3.4e-05 ± 2.078e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

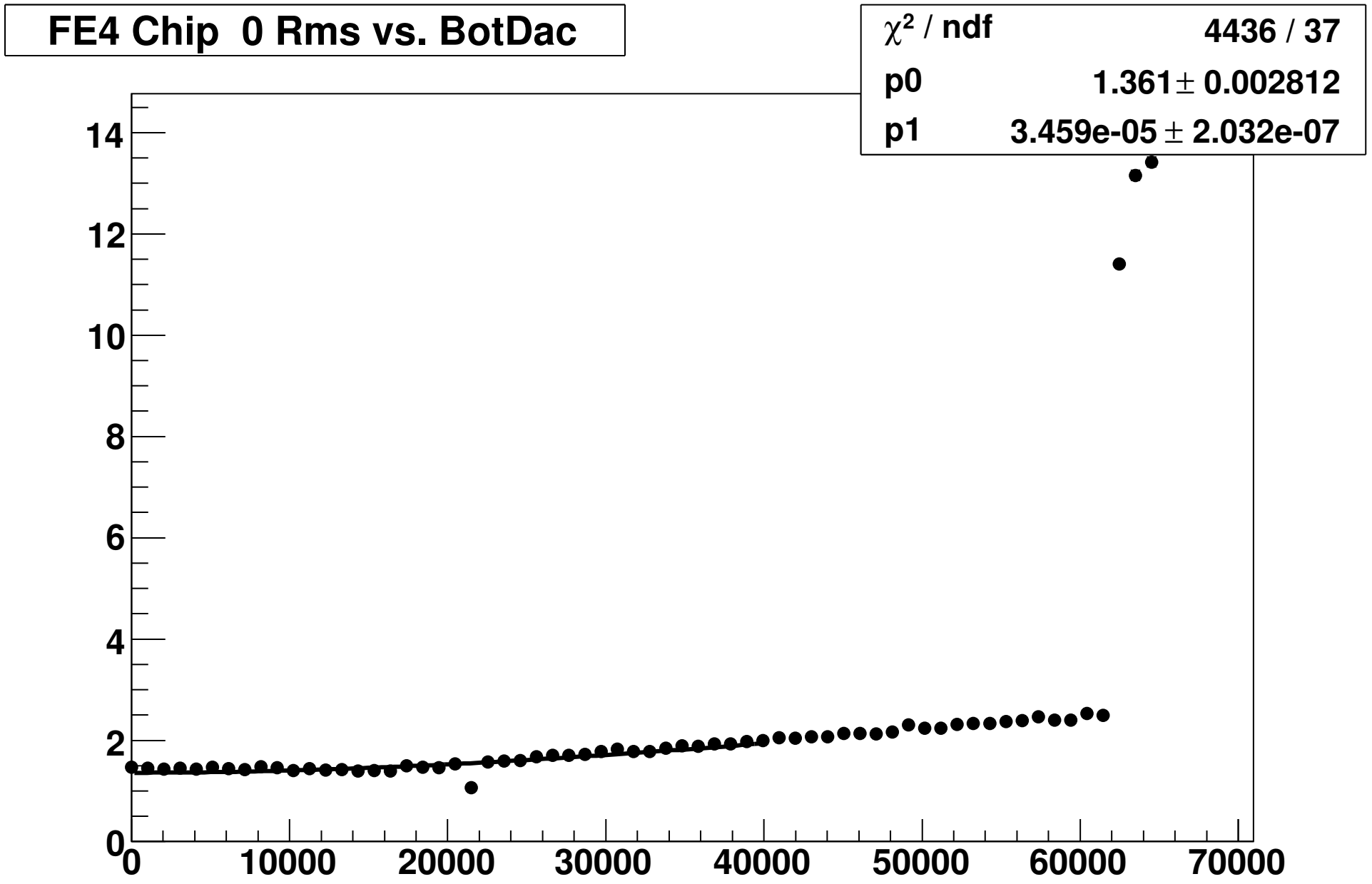

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 3.024e+04 / 37
p0 39.89 ± 0.005117
p1 8.438e-05 ± 2.172e-07
43
42
41
40
39
0
10000
20000
30000
40000
50000
60000
70000

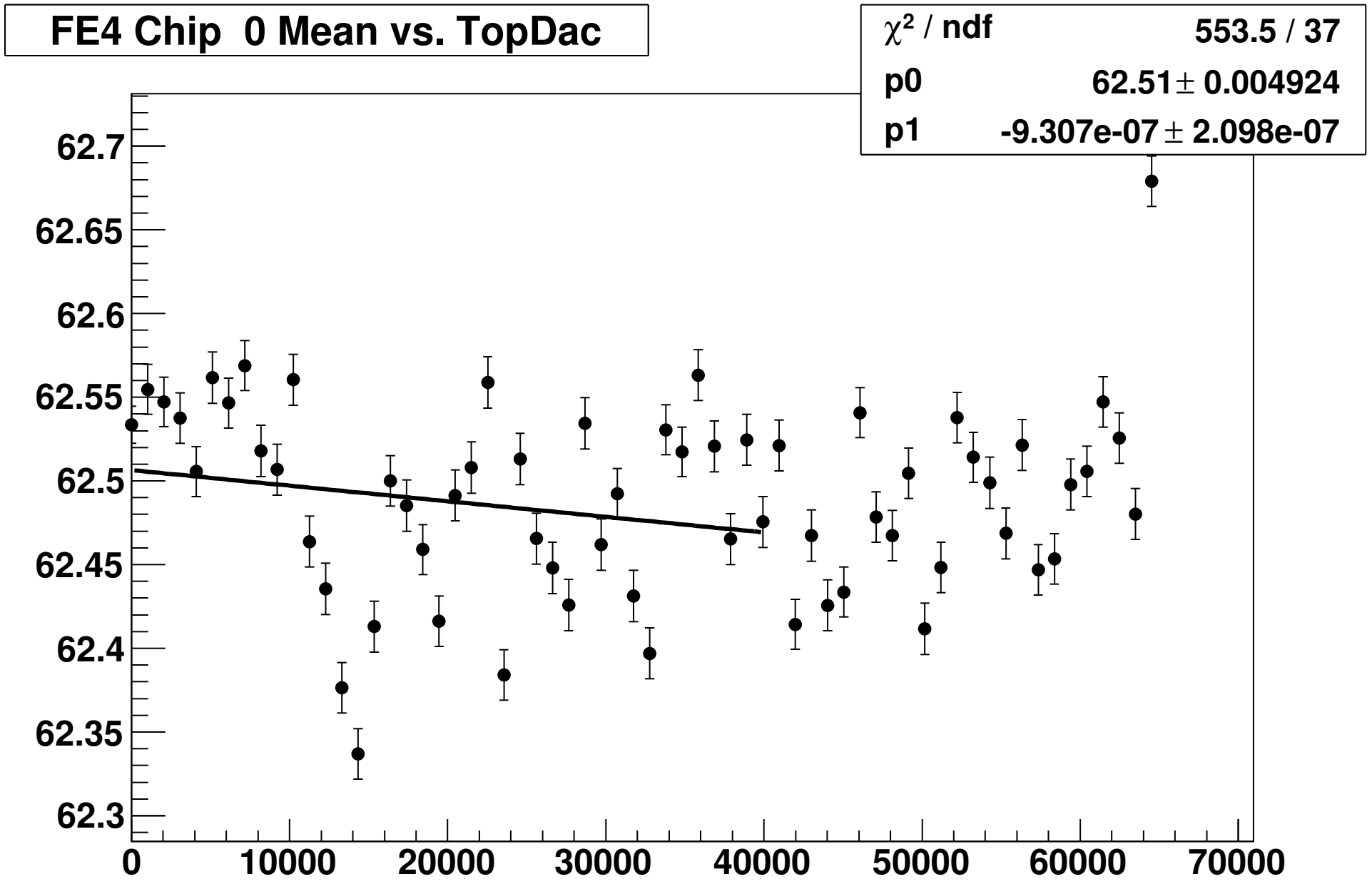

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 65.11 / 37
p0 1.474 ± 0.001777
p1 8.507e-15 ± 1.479e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

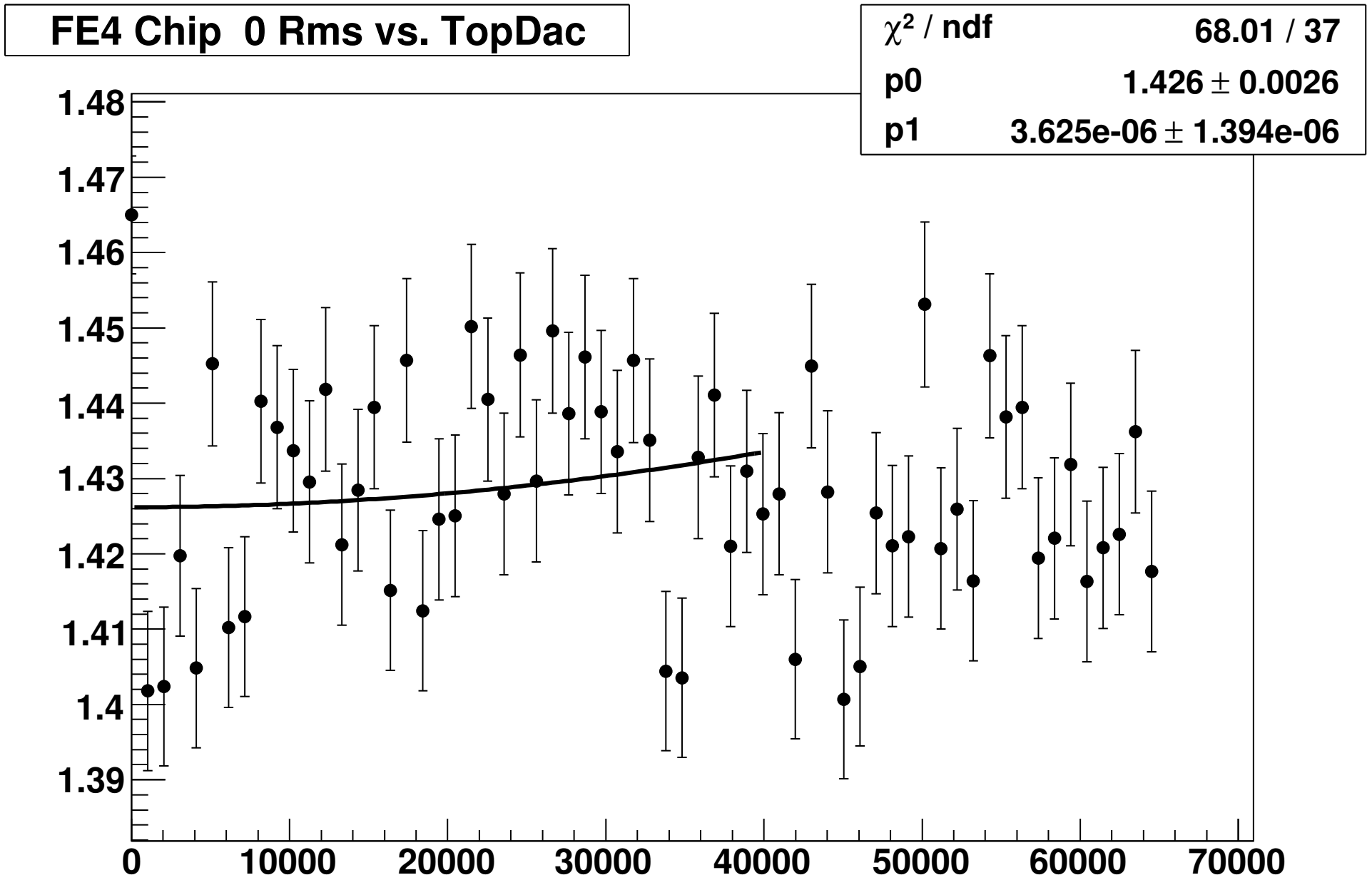

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 3.596e+10 / 37
p0 -362.6 ± 0.005222
p1 0.444 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

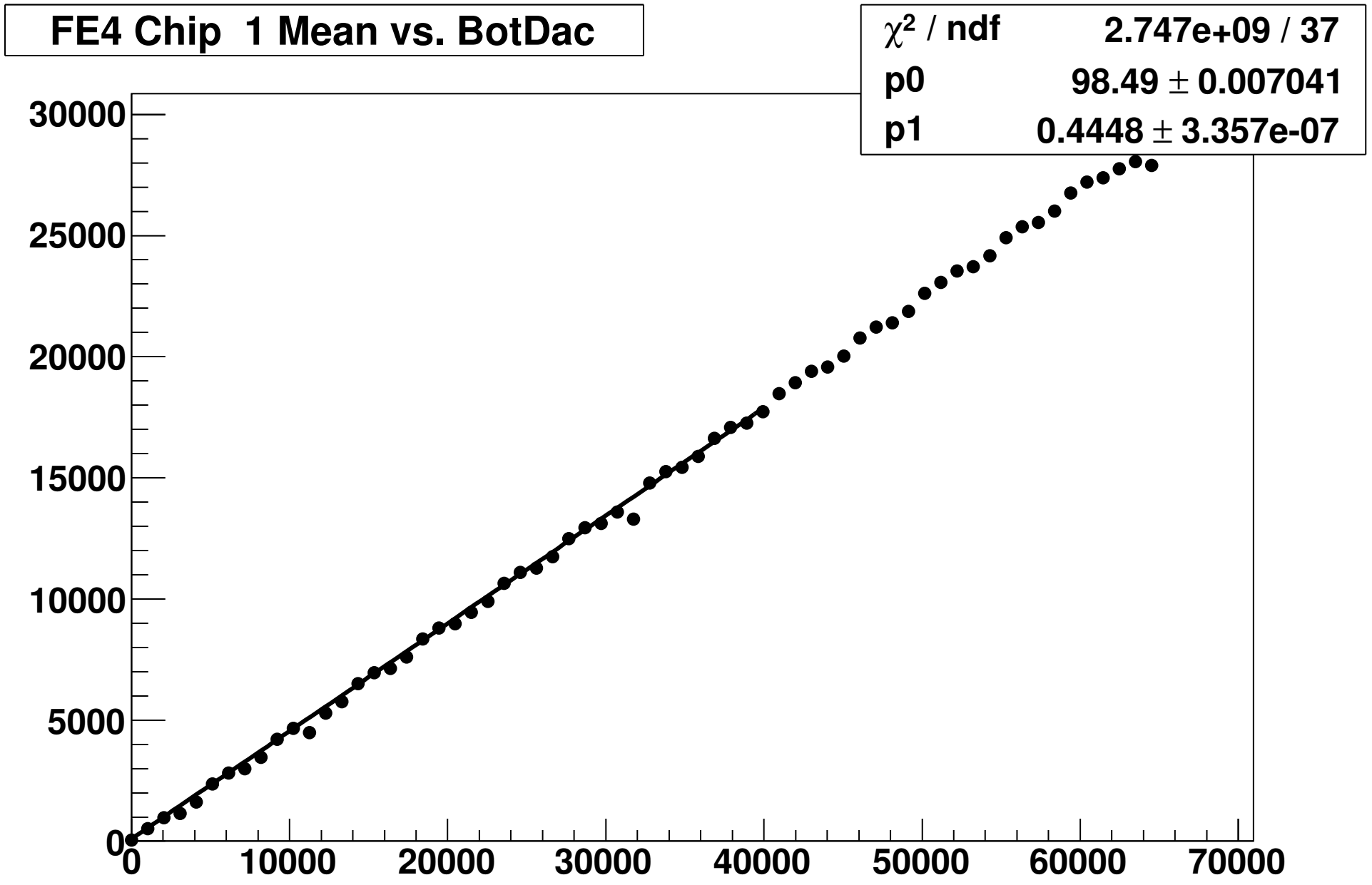

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 902.3 / 37
p0 1.394 ± 0.002852
p1 3.452e-05 ± 2.088e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

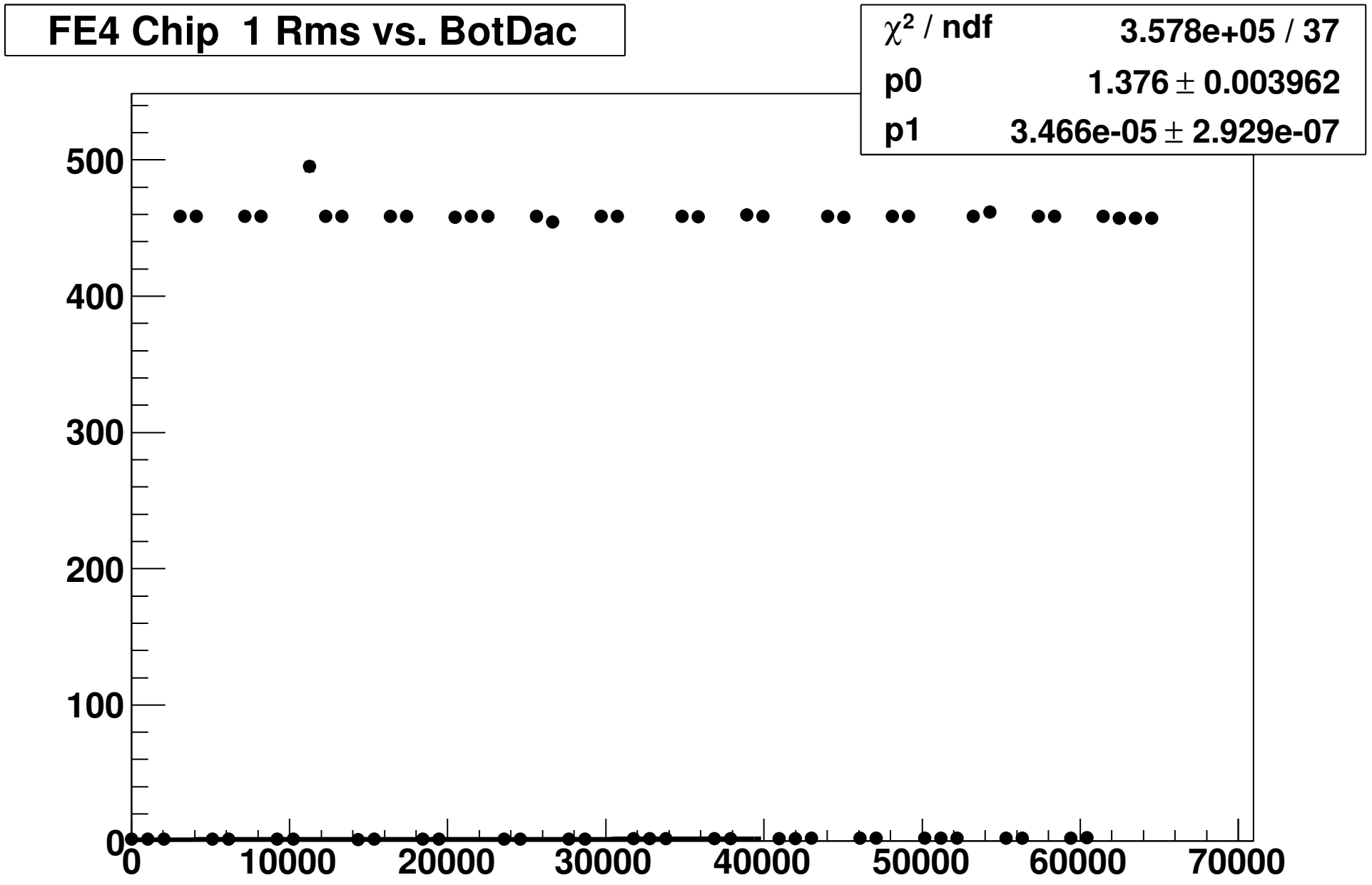

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 7.32e+04 / 37
p0 61.49 ± 0.005165
p1 0.4495 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

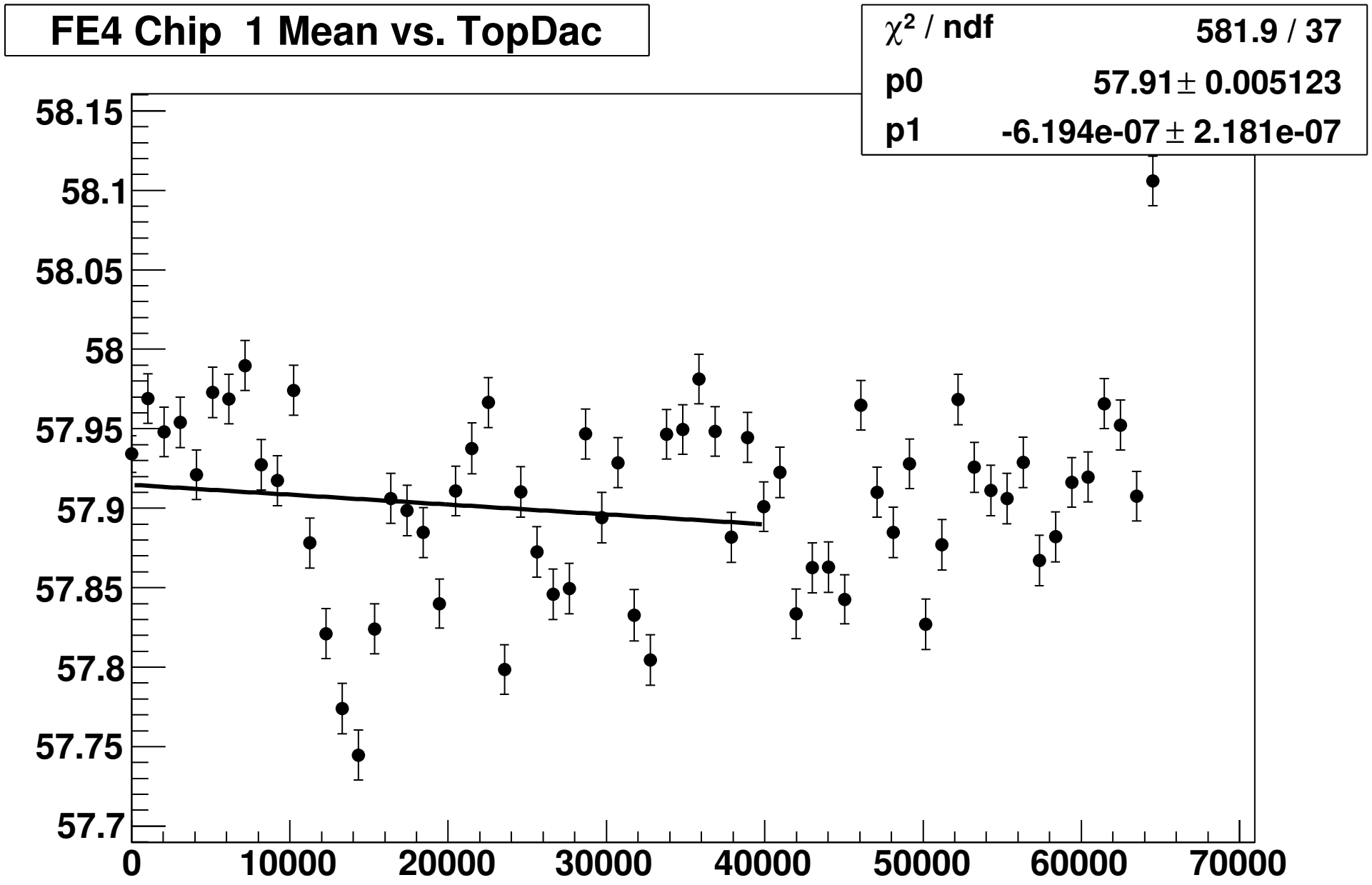

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 4436 / 37
p0 1.361 ± 0.002812
p1 3.459e-05 ± 2.032e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

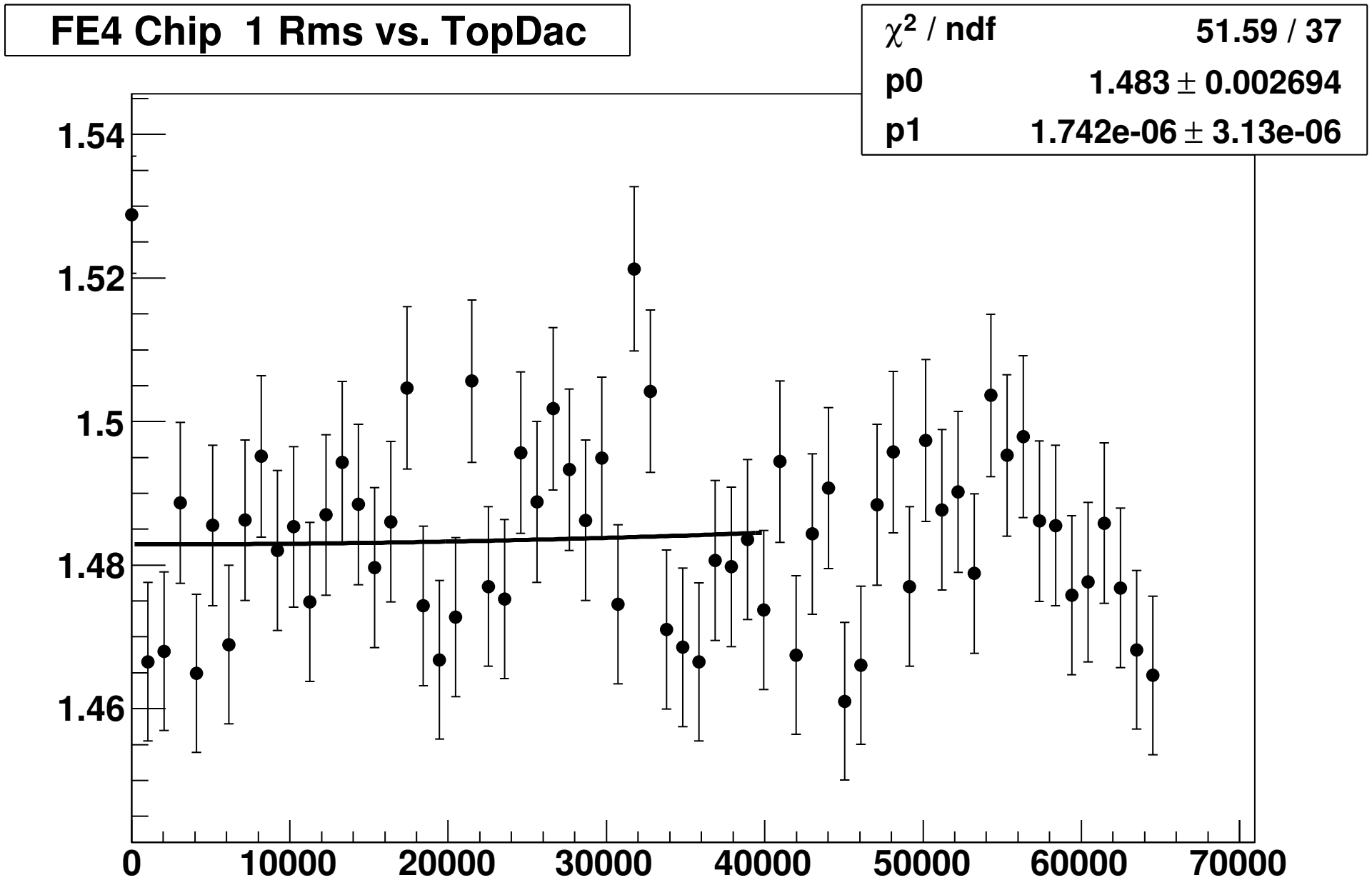

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 553.5 / 37
p0 62.51 ± 0.004924
p1 -9.307e-07 ± 2.098e-07
62.7
62.65
62.6
62.55
62.5
62.45
62.4
62.35
62.3
0
10000
20000
30000
40000
50000
60000
70000

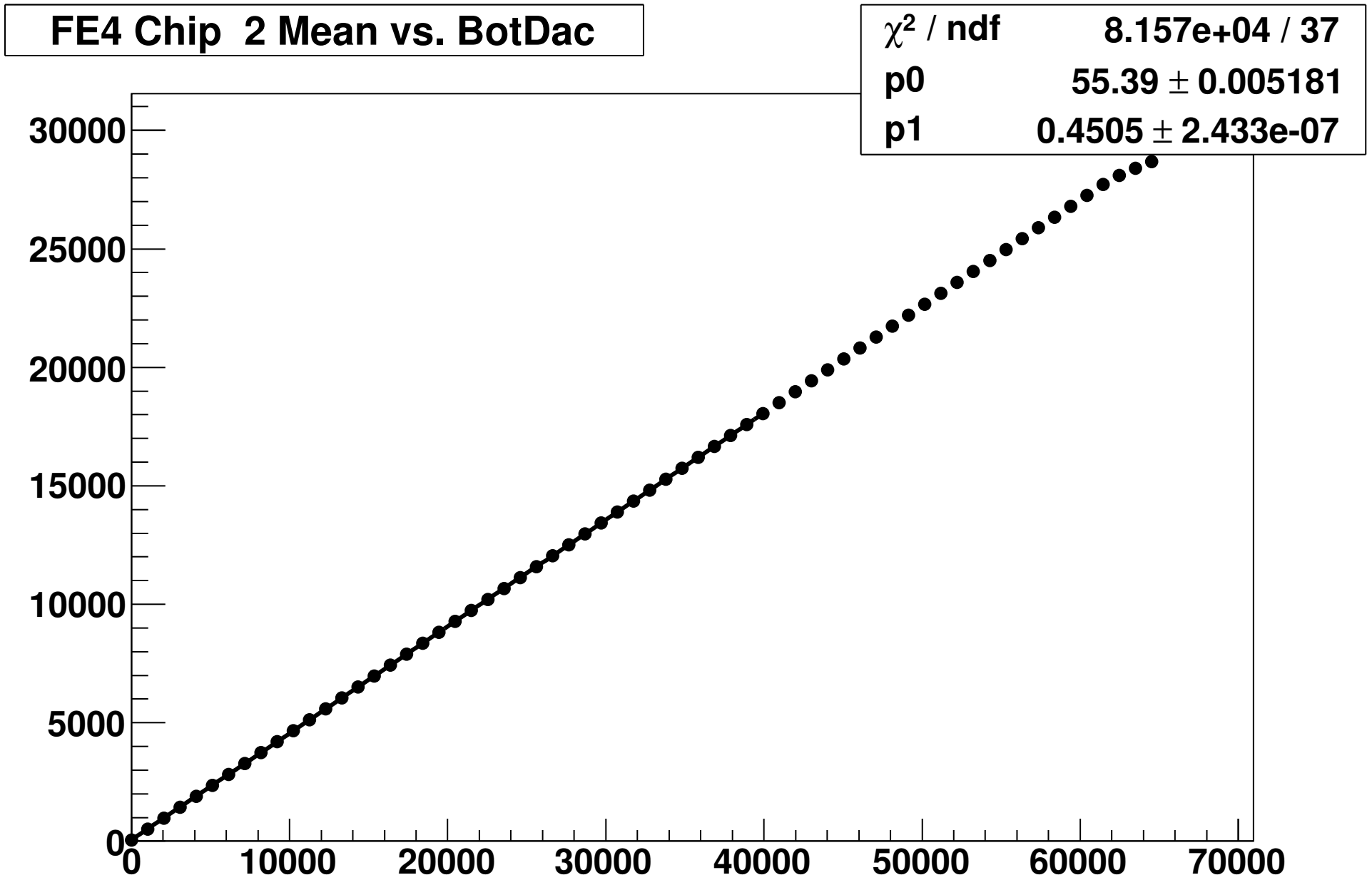

FE4 Chip 0 Rms vs. TopDac
χ² / ndf 68.01 / 37
p0 1.426 ± 0.0026
p1 3.625e-06 ± 1.394e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.747e+09 / 37
p0 98.49 ± 0.007041
p1 0.4448 ± 3.357e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 3.578e+05 / 37
p0 1.376 ± 0.003962
p1 3.466e-05 ± 2.929e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 581.9 / 37
p0 57.91 ± 0.005123
p1 -6.194e-07 ± 2.181e-07
58.15
58.1
58.05
58
57.95
57.9
57.85
57.8
57.75
57.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 51.59 / 37
p0 1.483 ± 0.002694
p1 1.742e-06 ± 3.13e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 8.157e+04 / 37
p0 55.39 ± 0.005181
p1 0.4505 ± 2.433e-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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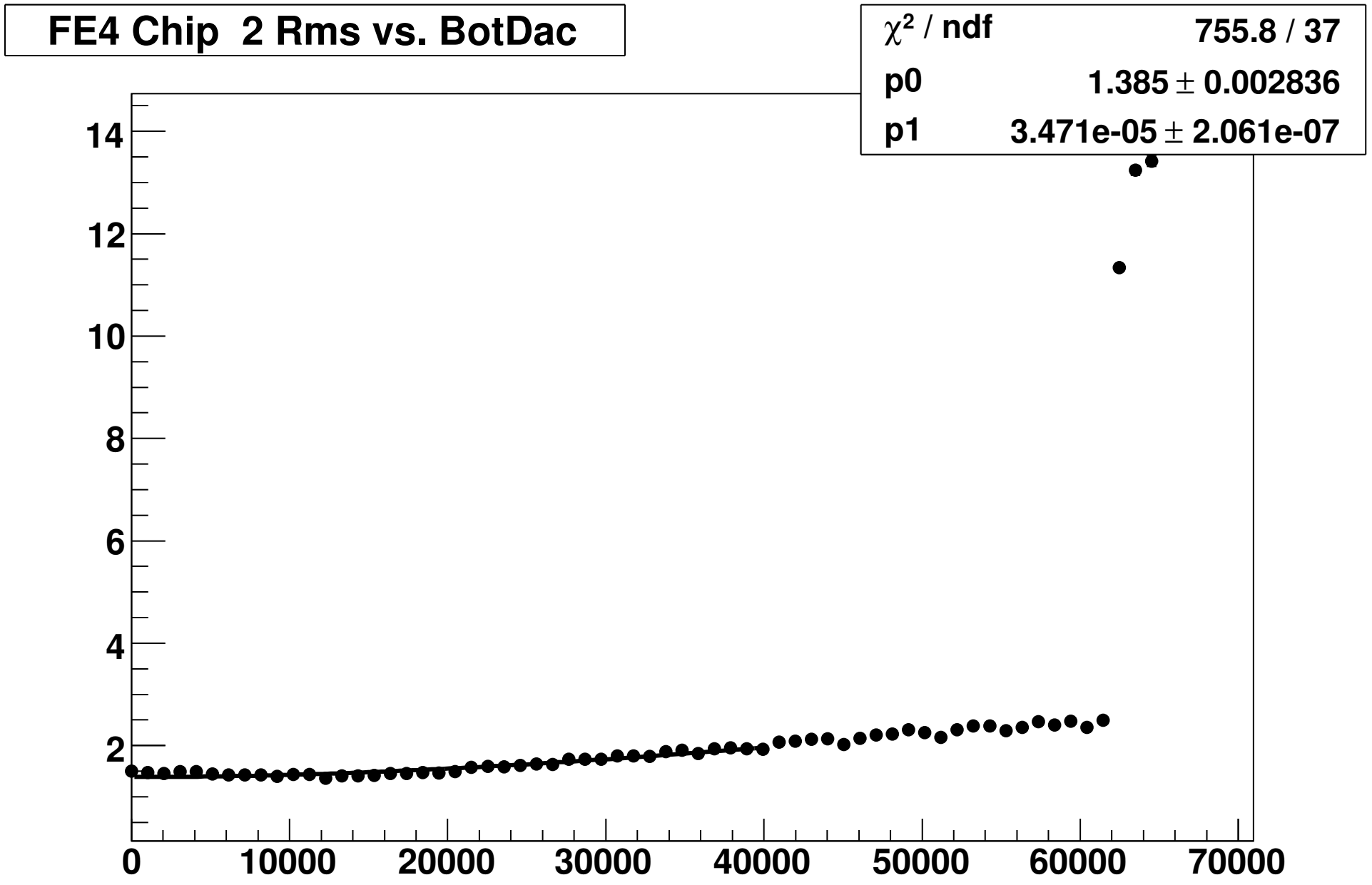
FE4 Chip 2 Rms vs. BotDac
χ² / ndf 755.8 / 37
p0 1.385 ± 0.002836
p1 3.471e-05 ± 2.061e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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60000
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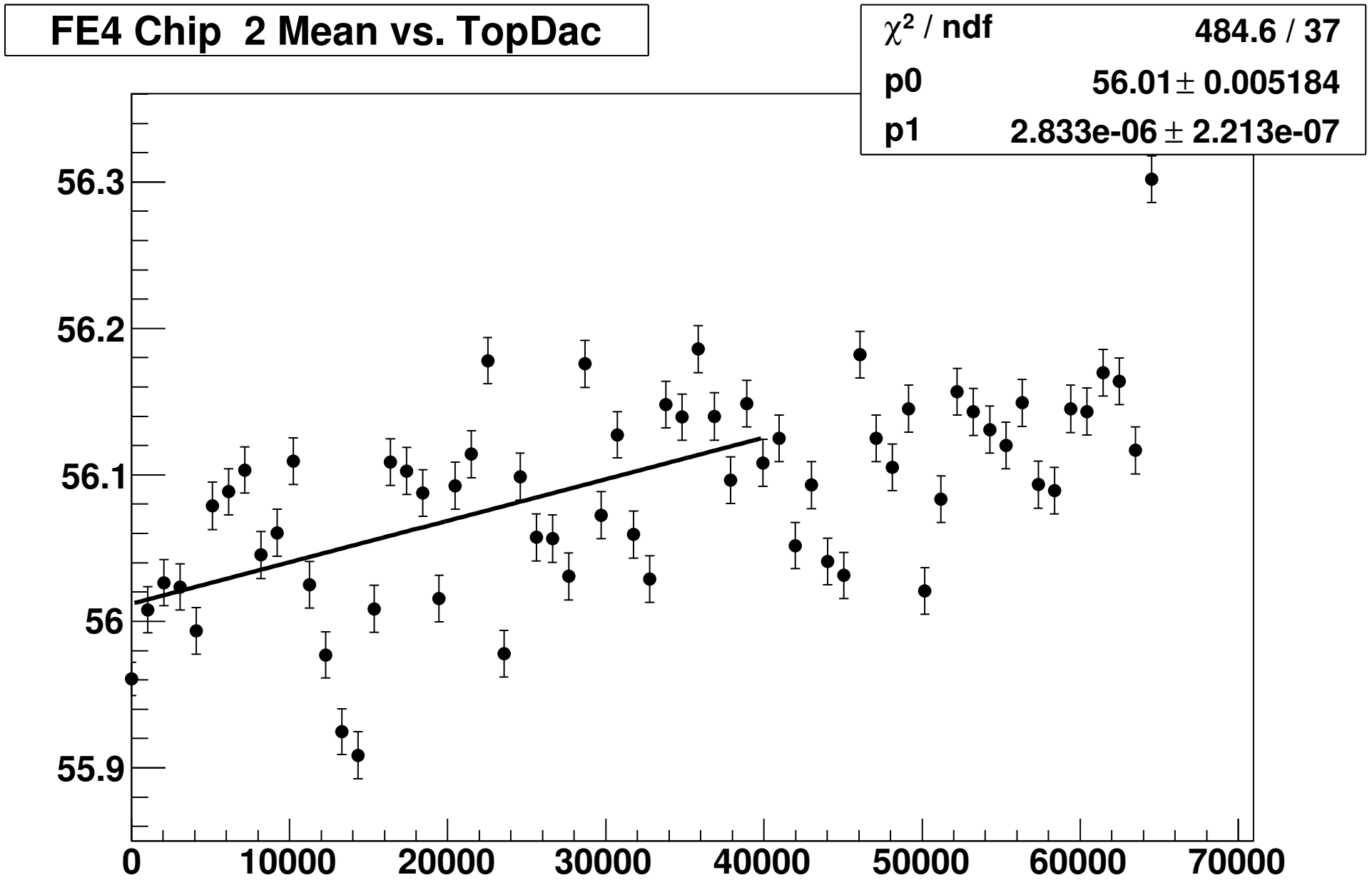
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 484.6 / 37
p0 56.01 ± 0.005184
p1 2.833e-06 ± 2.213e-07
56.3
56.2
56.1
56
55.9
0
10000
20000
30000
40000
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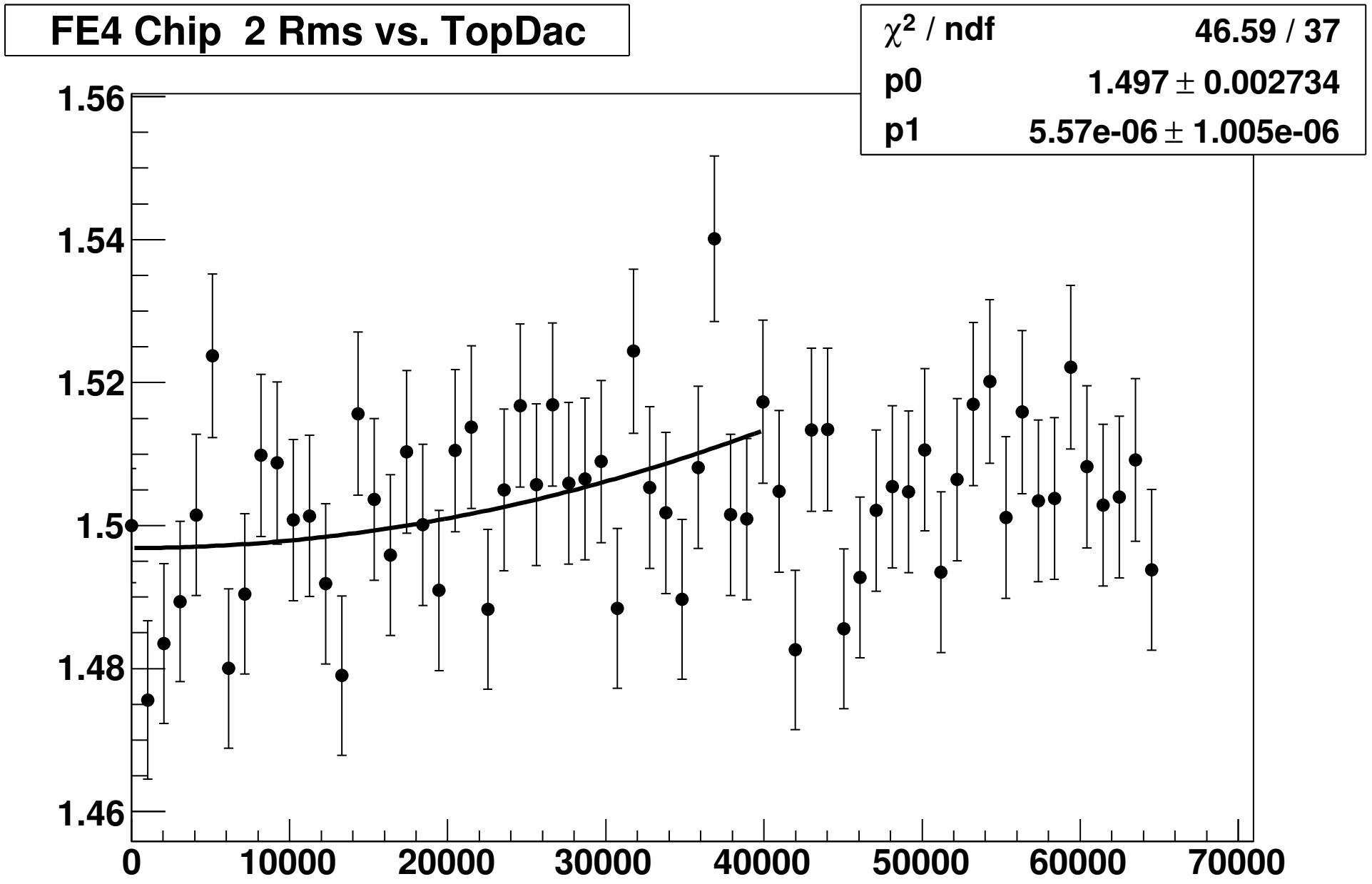
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 46.59 / 37
p0 1.497 ± 0.002734
p1 5.57e-06 ± 1.005e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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50000
60000
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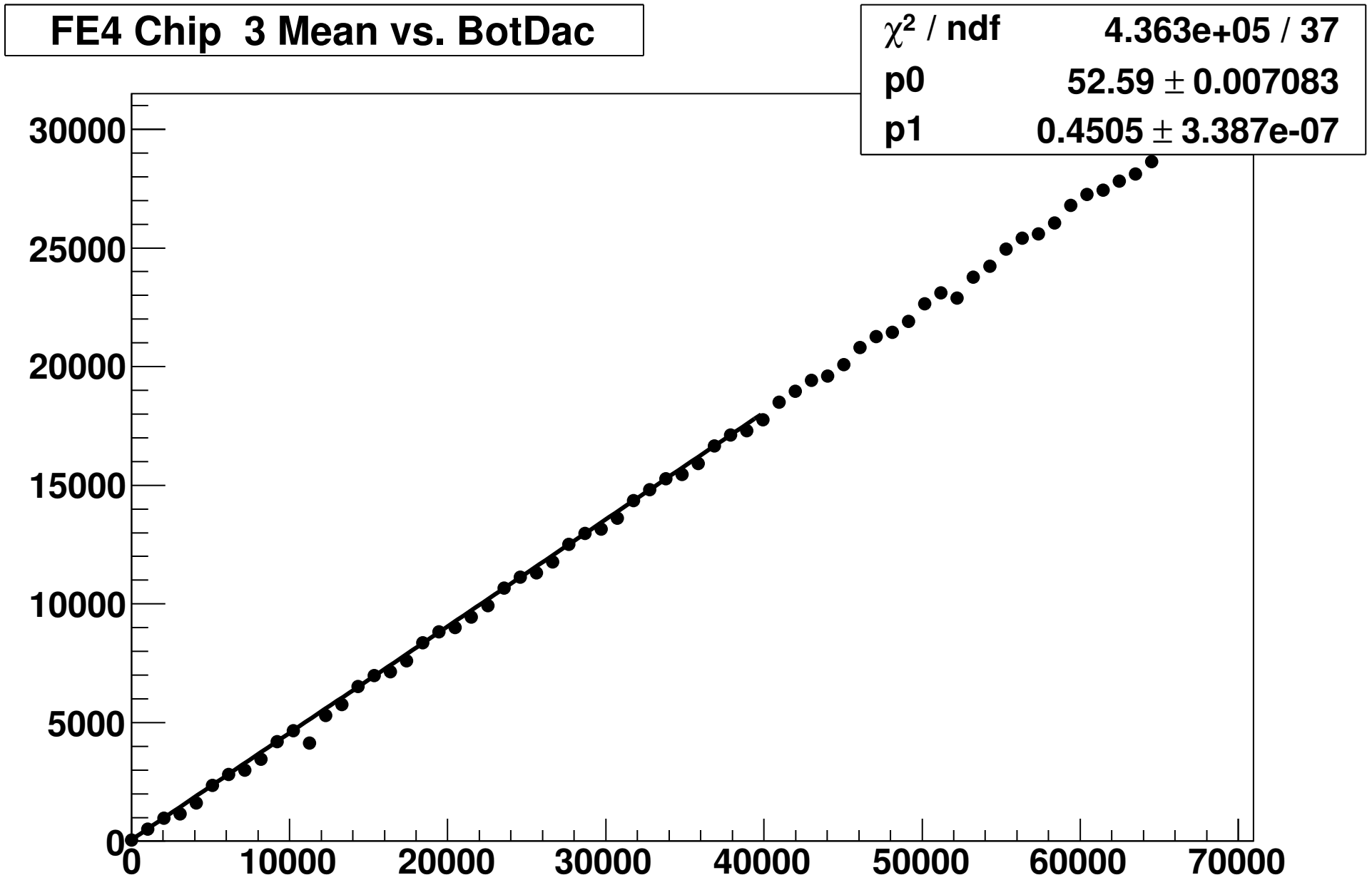
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.363e+05 / 37
p0 52.59 ± 0.007083
p1 0.4505 ± 3.387e-07
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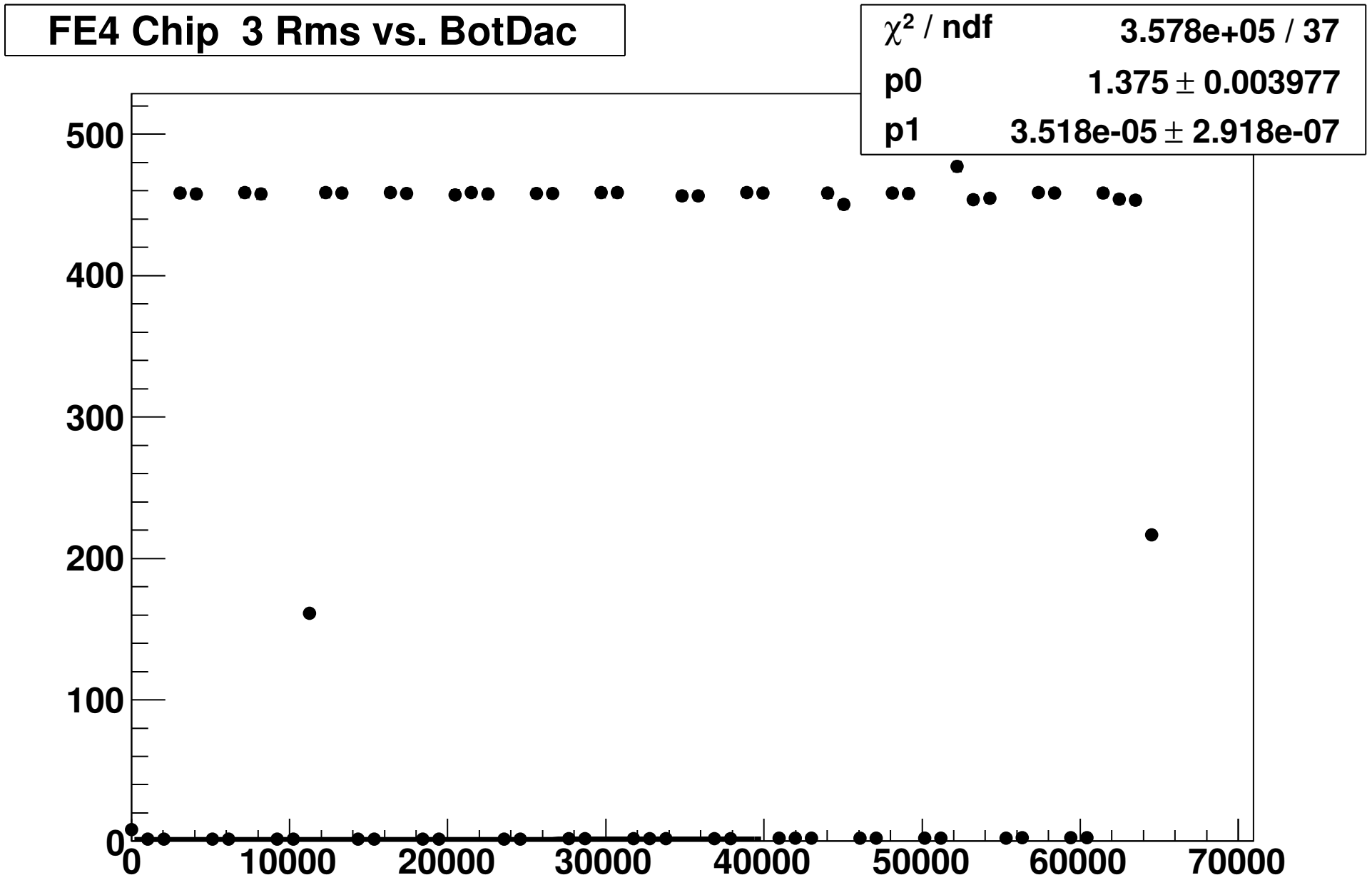
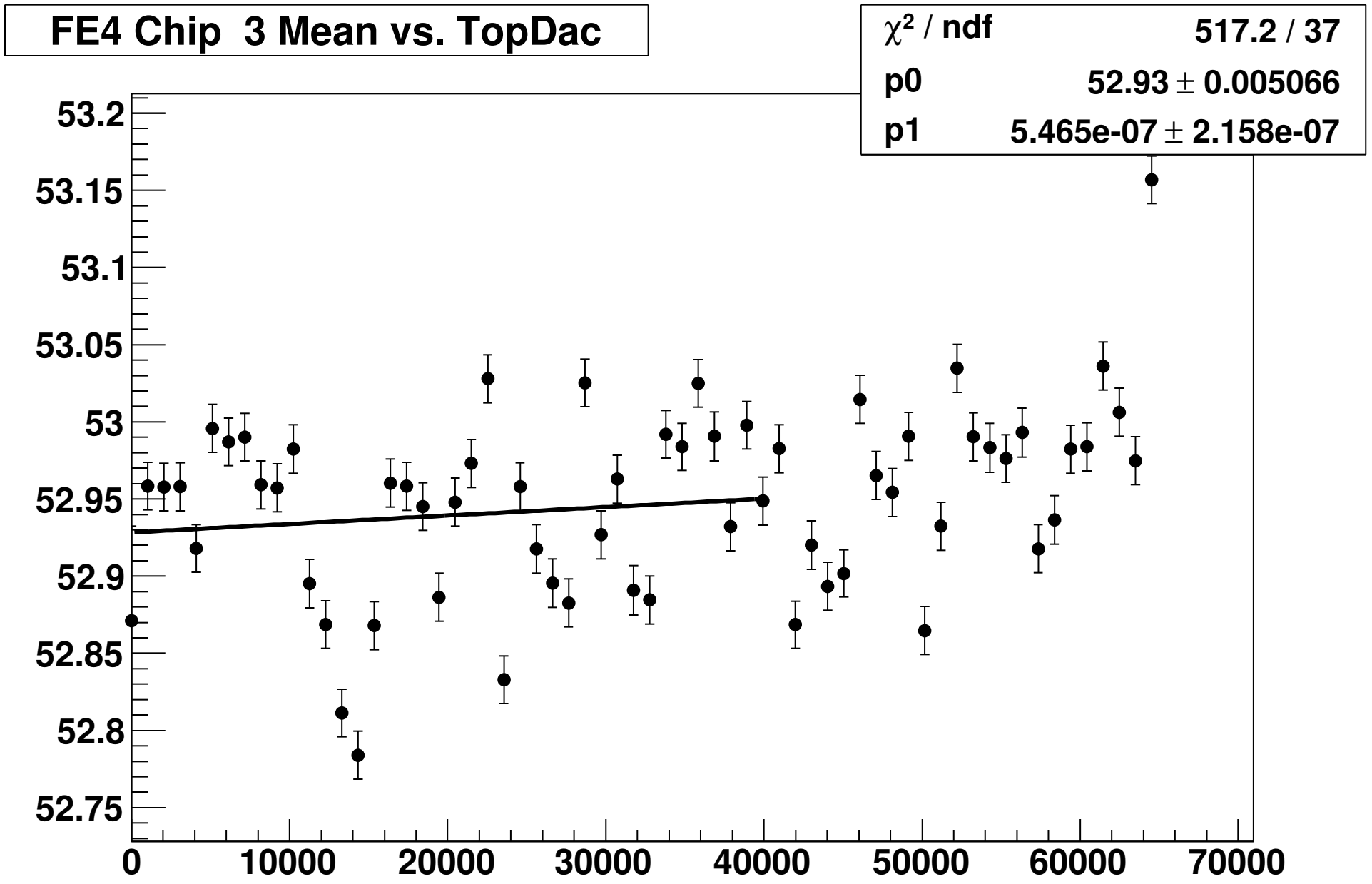
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 3.578e+05 / 37
p0 1.375 ± 0.003977
p1 3.518e-05 ± 2.918e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 517.2 / 37
p0 52.93 ± 0.005066
p1 5.465e-07 ± 2.158e-07
53.2
53.15
53.1
53.05
53
52.95
52.9
52.85
52.8
52.75
0
10000
20000
30000
40000
50000
60000
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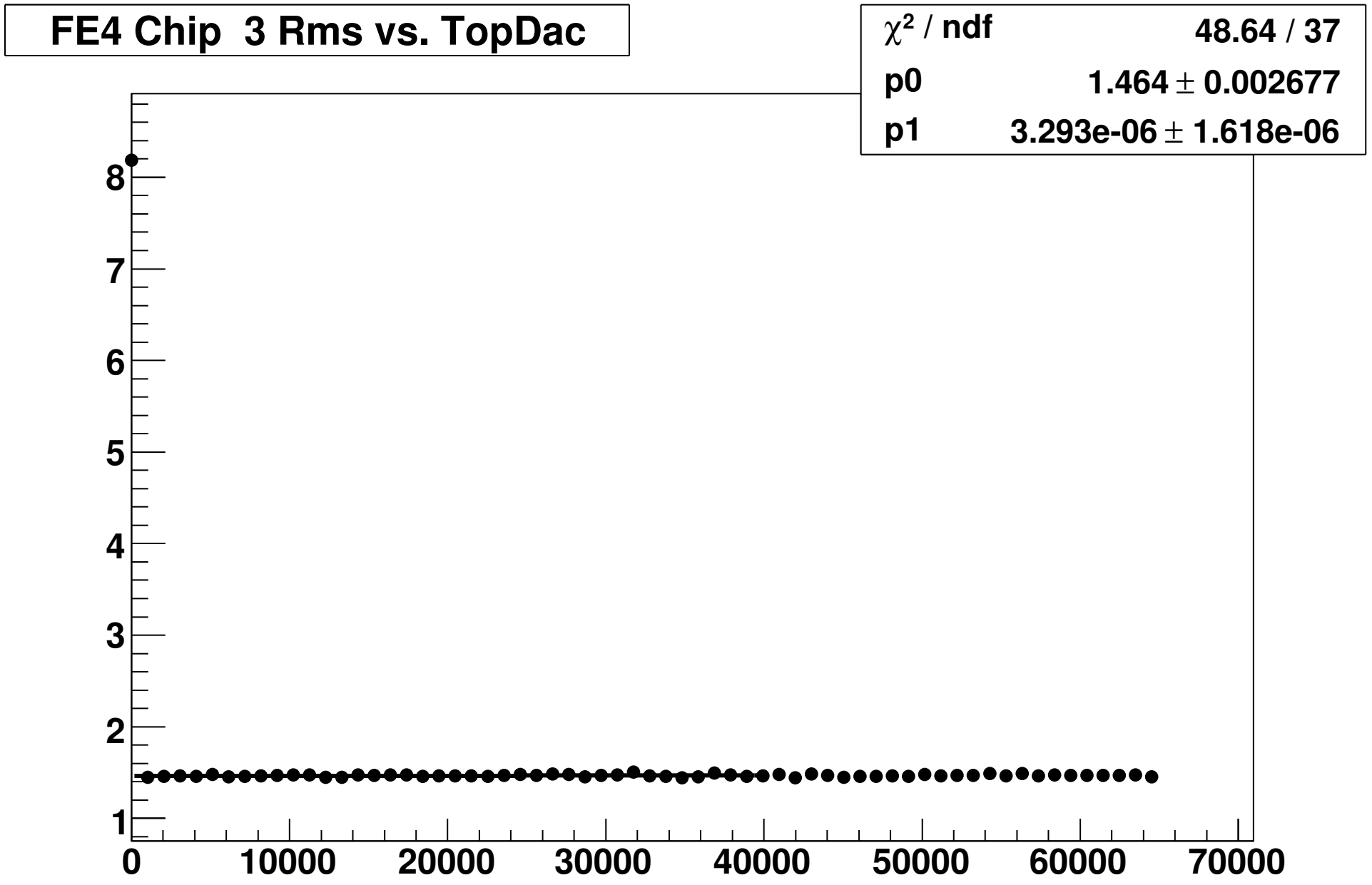
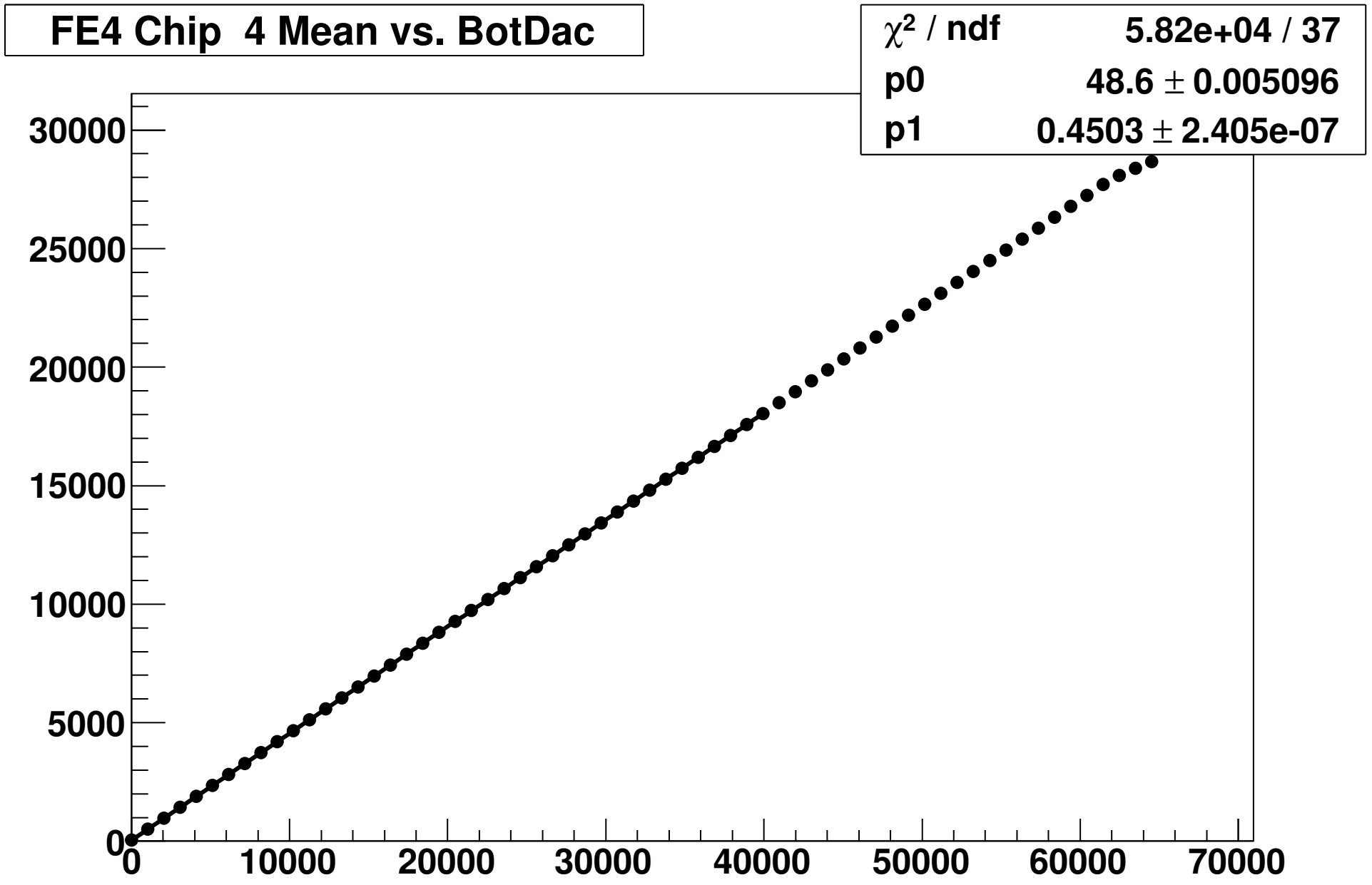
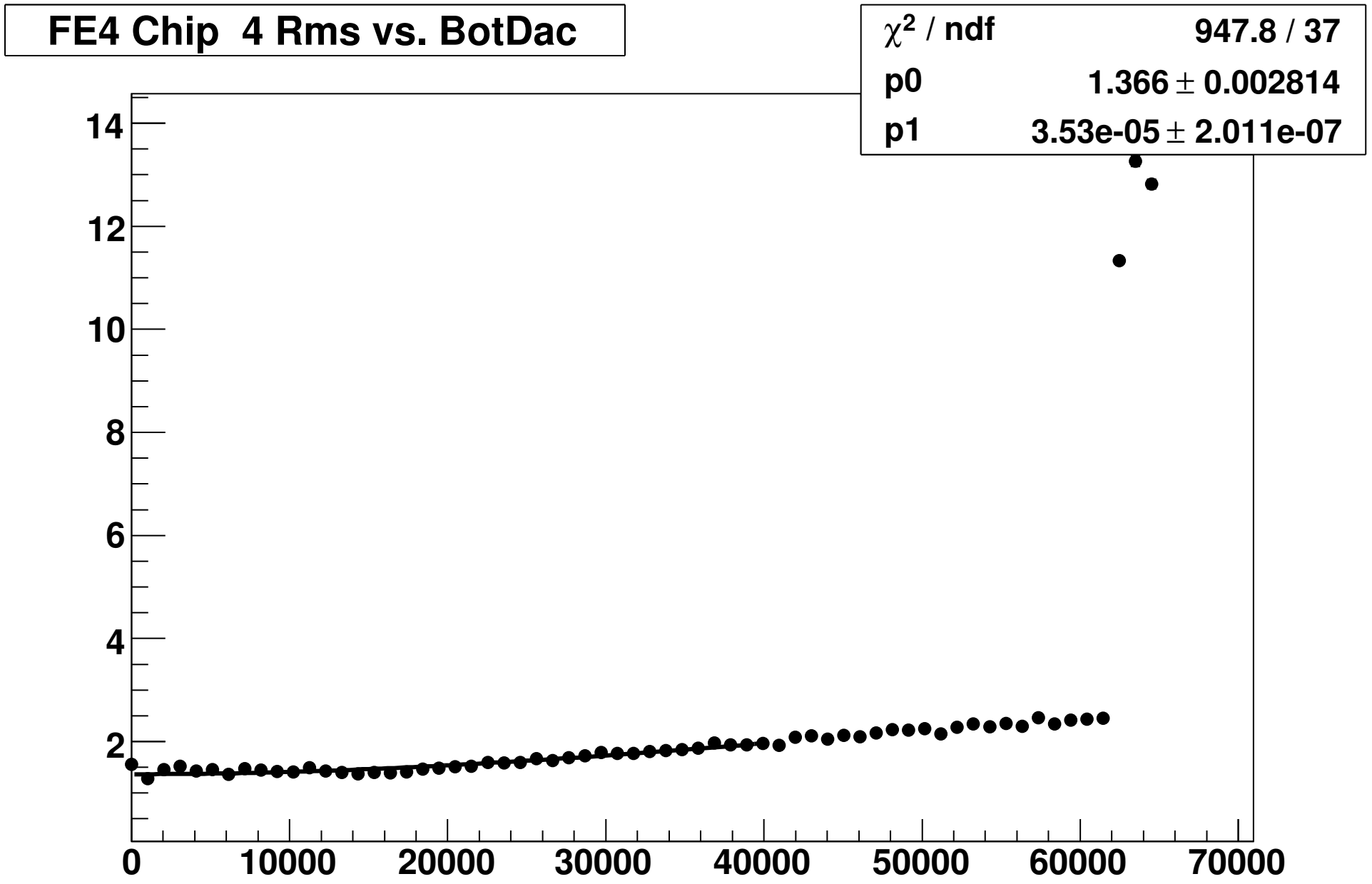
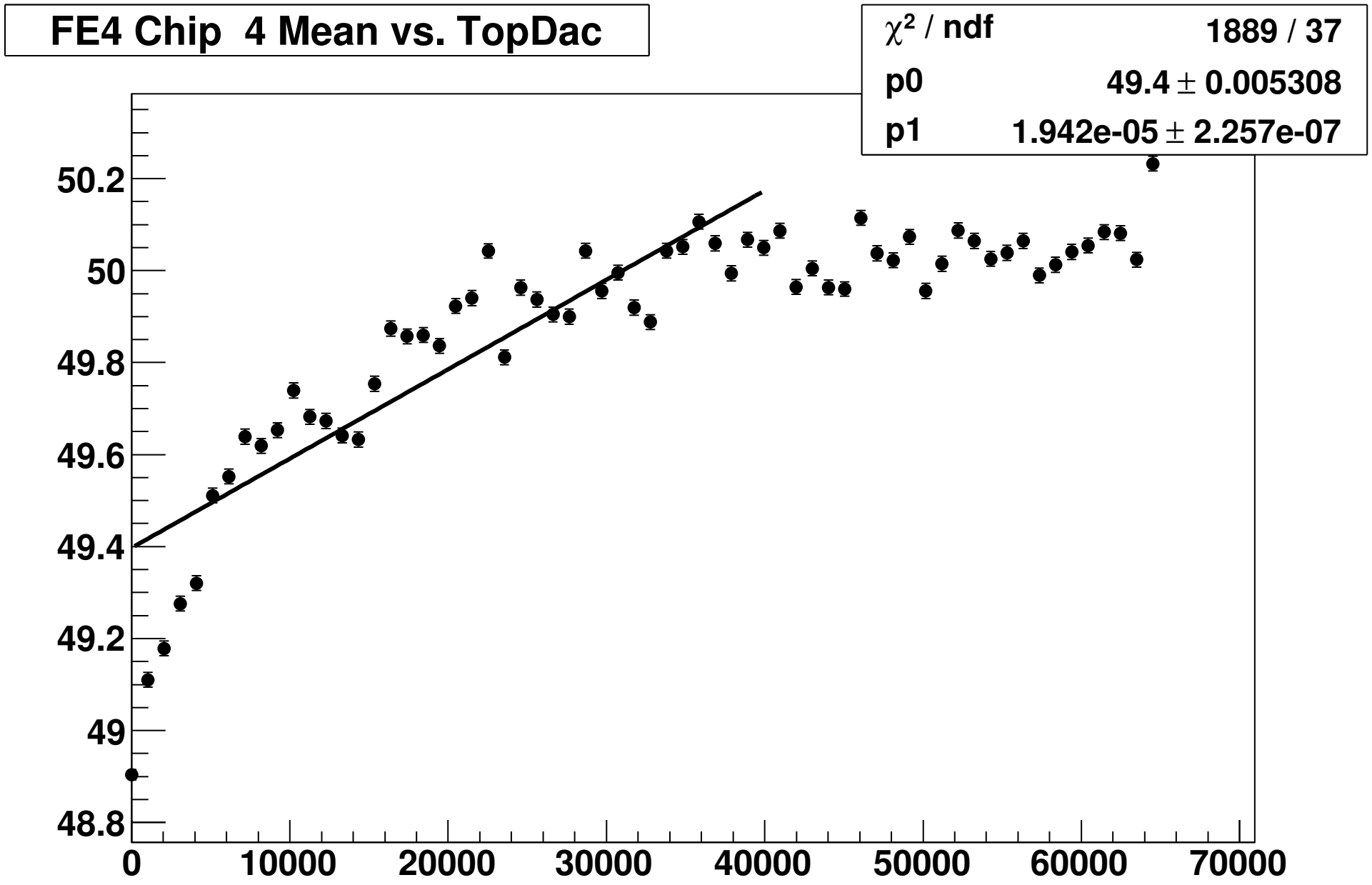
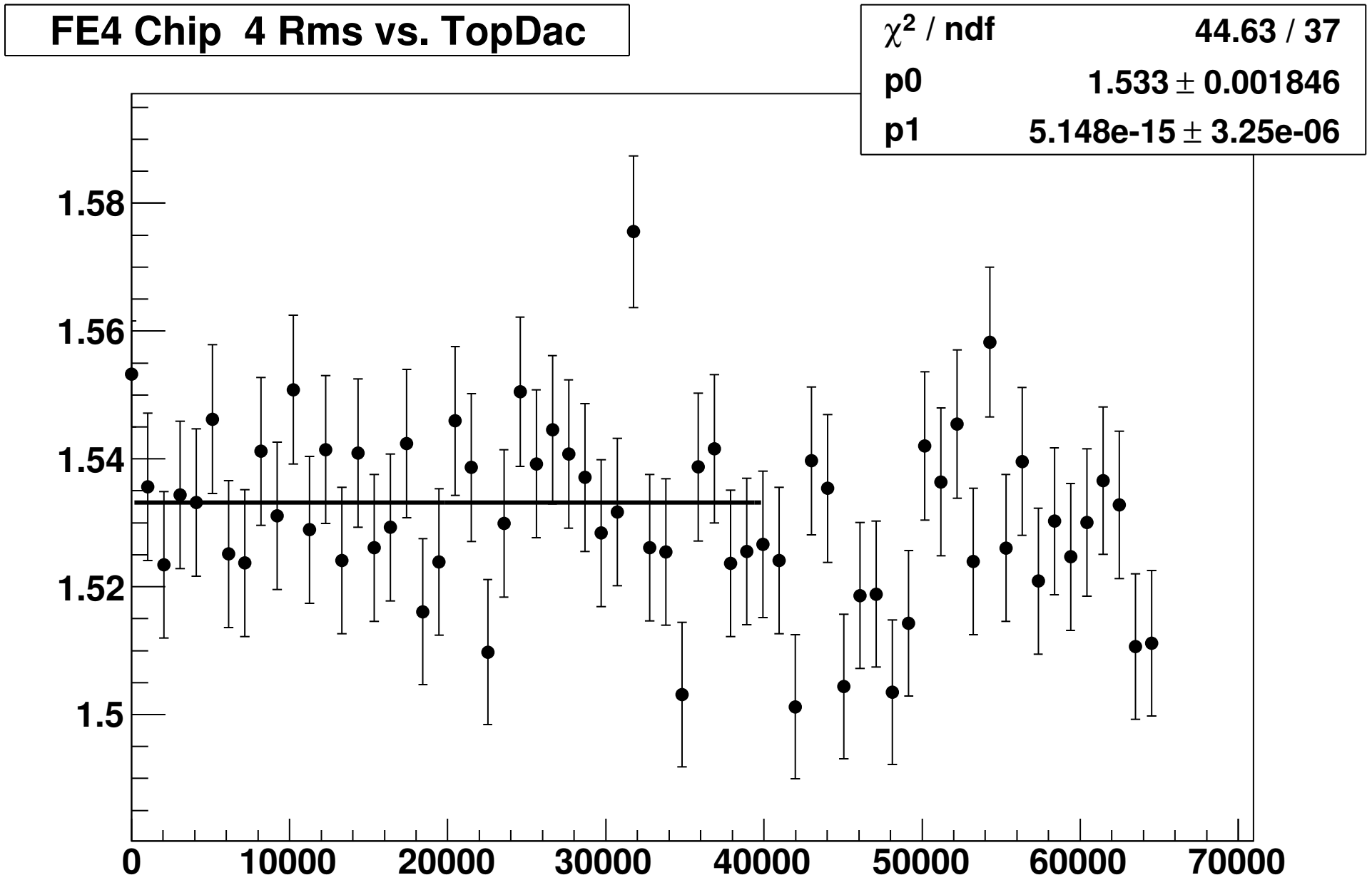
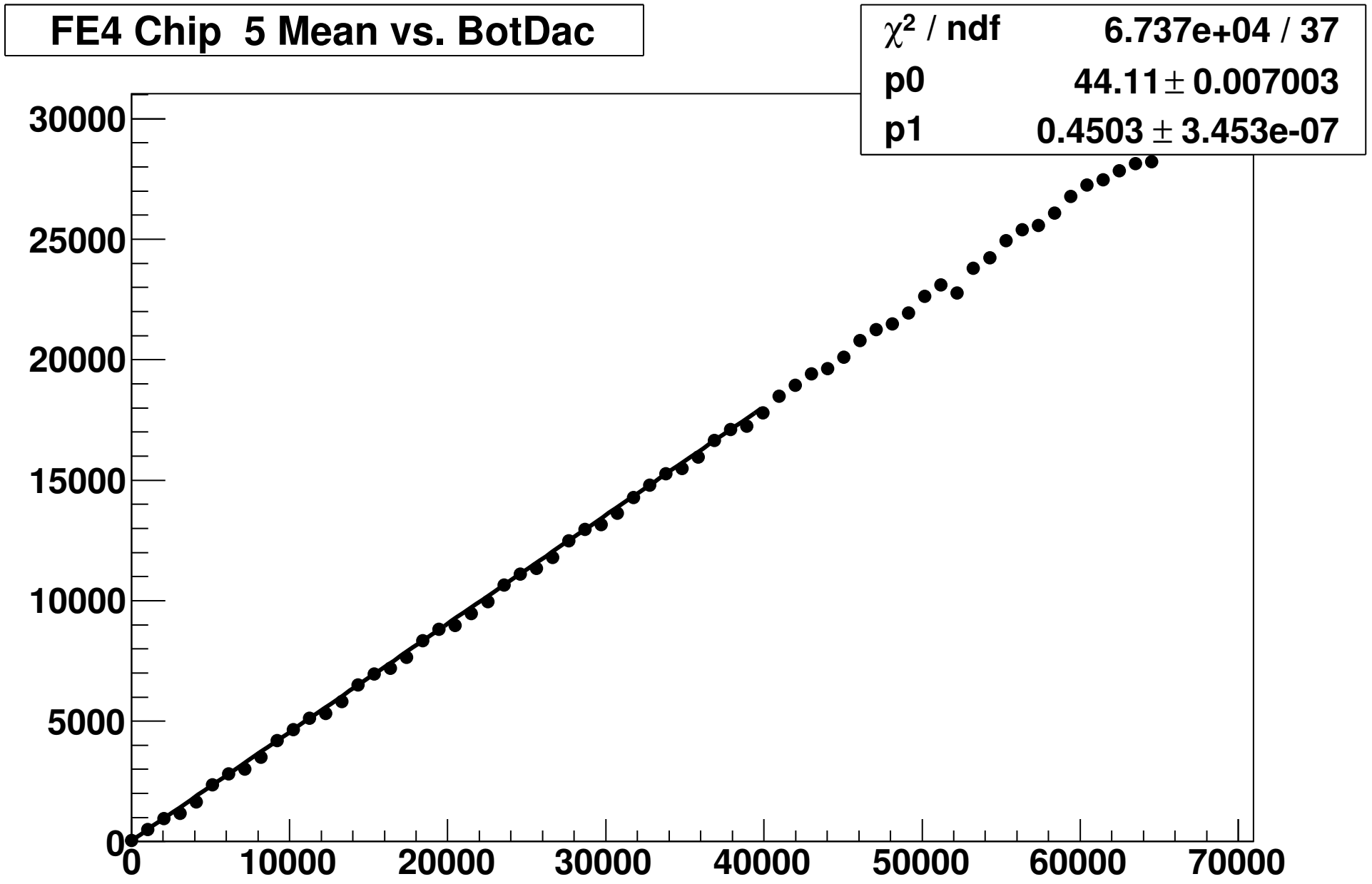

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 48.64 / 37
p0 1.464 ± 0.002677
p1 3.293e-06 ± 1.618e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

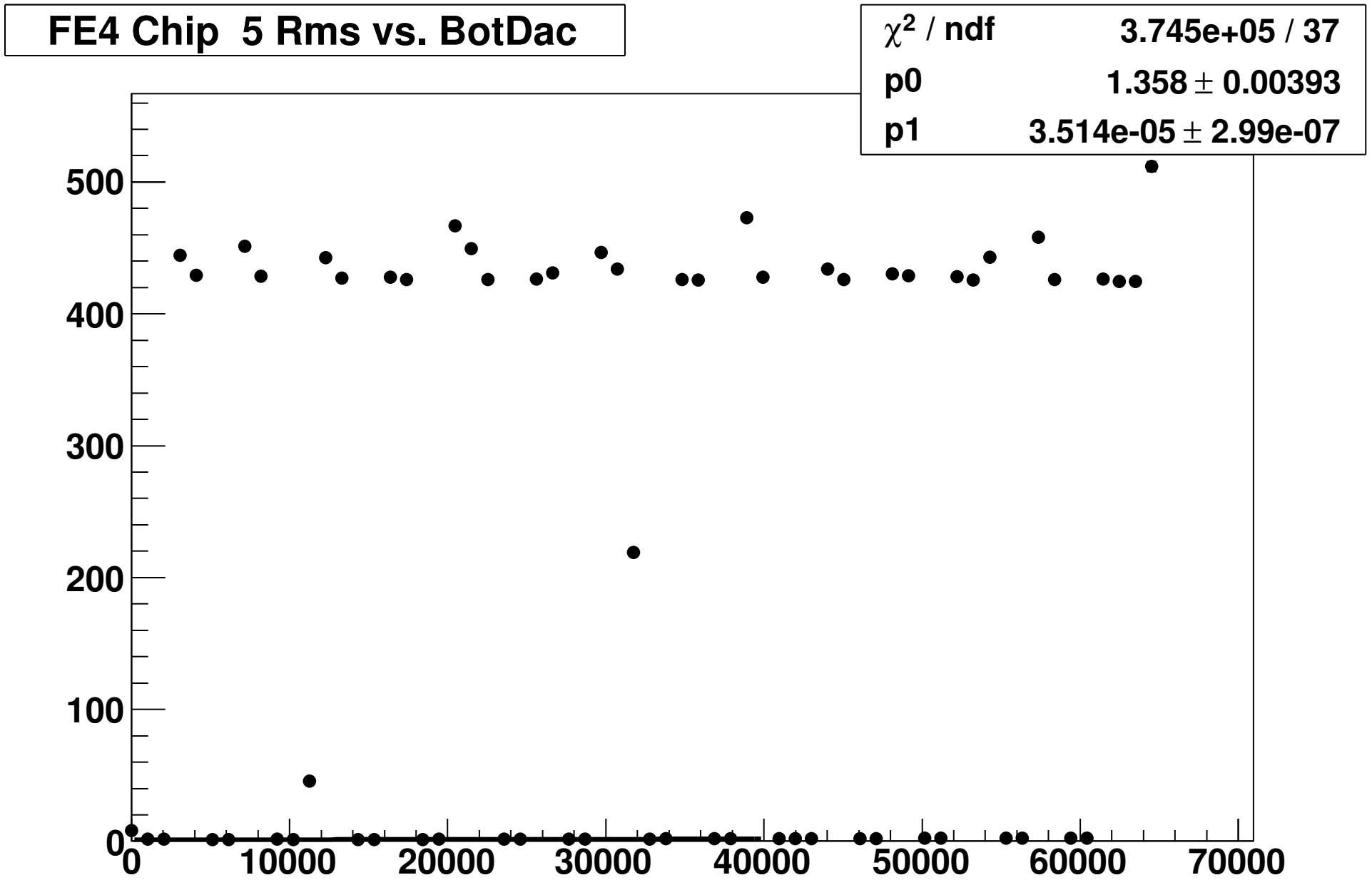

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 5.82e+04 / 37
p0 48.6 ± 0.005096
p1 0.4503 ± 2.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

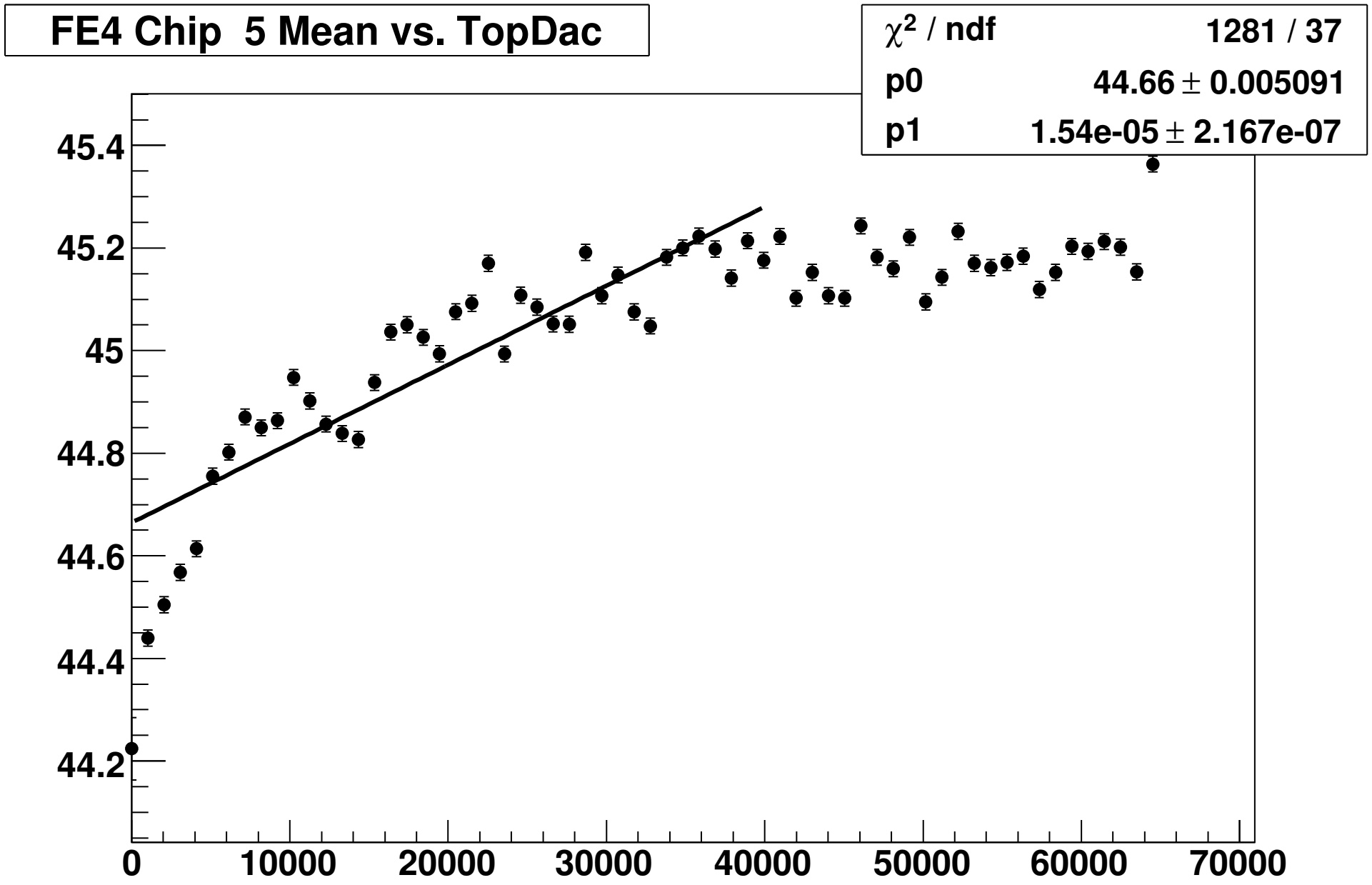

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 947.8 / 37
p0 1.366 ± 0.002814
p1 3.53e-05 ± 2.011e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

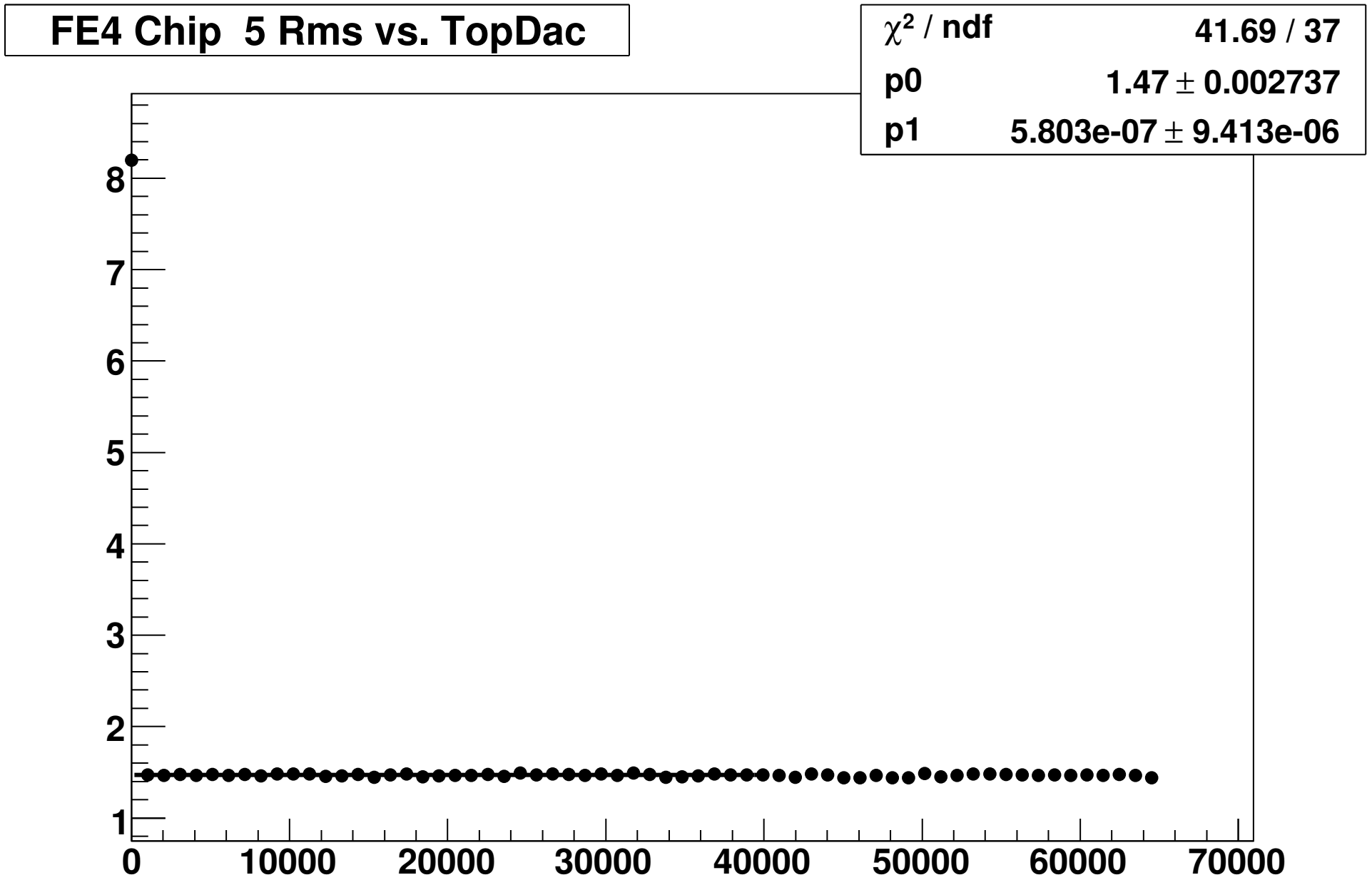

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1889 / 37
p0 49.4 ± 0.005308
p1 1.942e-05 ± 2.257e-07
50.2
50
49.8
49.6
49.4
49.2
49
48.8
0
10000
20000
30000
40000
50000
60000
70000

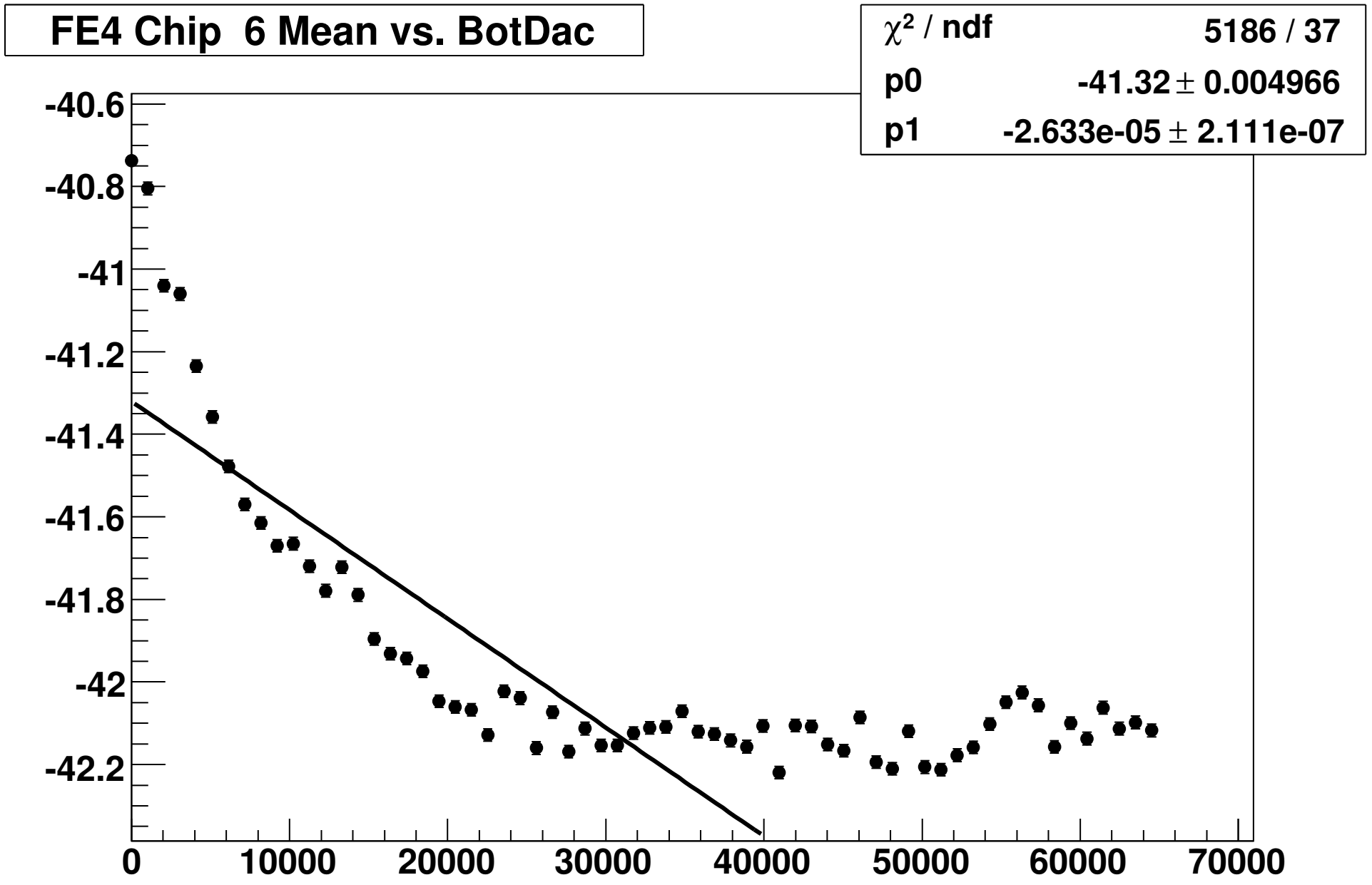

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 44.63 / 37
p0 1.533 ± 0.001846
p1 5.148e-15 ± 3.25e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

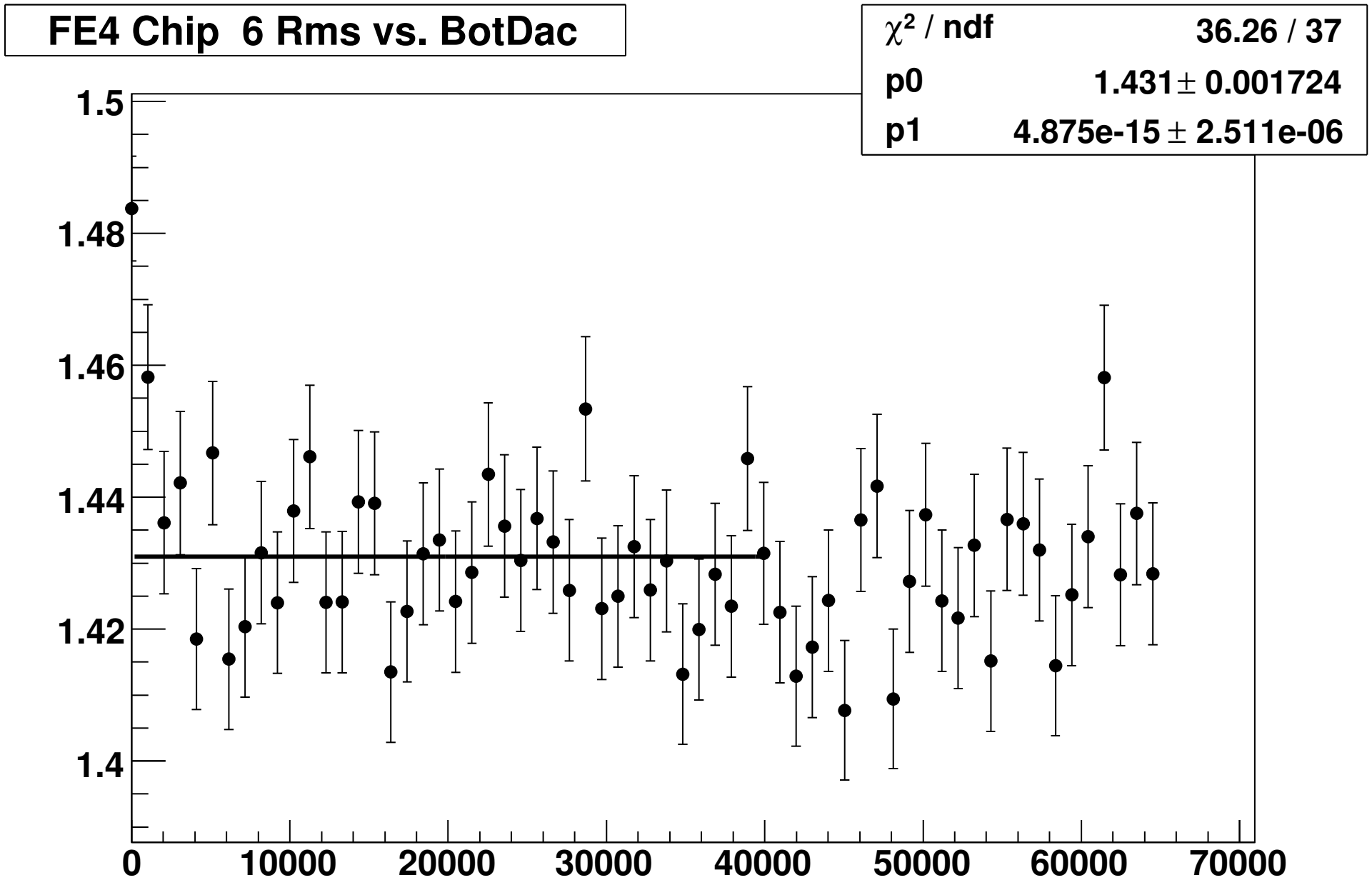

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 6.737e+04 / 37
p0 44.11 ± 0.007003
p1 0.4503 ± 3.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

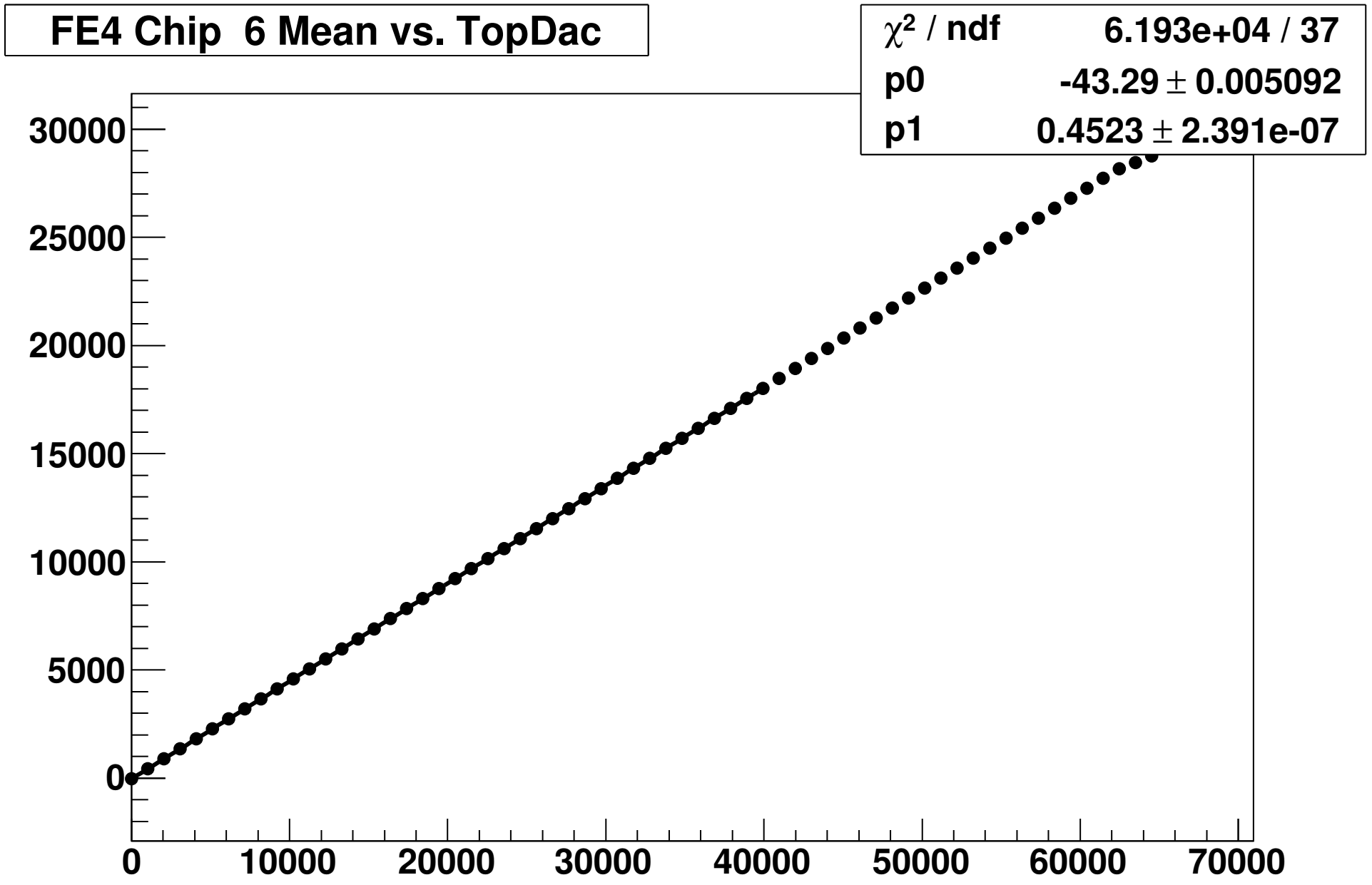

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 3.745e+05 / 37
p0 1.358 ± 0.00393
p1 3.514e-05 ± 2.99e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 1281 / 37
p0 44.66 ± 0.005091
p1 1.54e-05 ± 2.167e-07
45.4
45.2
45
44.8
44.6
44.4
44.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 41.69 / 37
p0 1.47 ± 0.002737
p1 5.803e-07 ± 9.413e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 5186 / 37
p0 -41.32 ± 0.004966
p1 -2.633e-05 ± 2.111e-07
-40.6
-40.8
-41
-41.2
-41.4
-41.6
-41.8
-42
-42.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 36.26 / 37
p0 1.431 ± 0.001724
p1 4.875e-15 ± 2.511e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 6.193e+04 / 37
p0 -43.29 ± 0.005092
p1 0.4523 ± 2.391e-07
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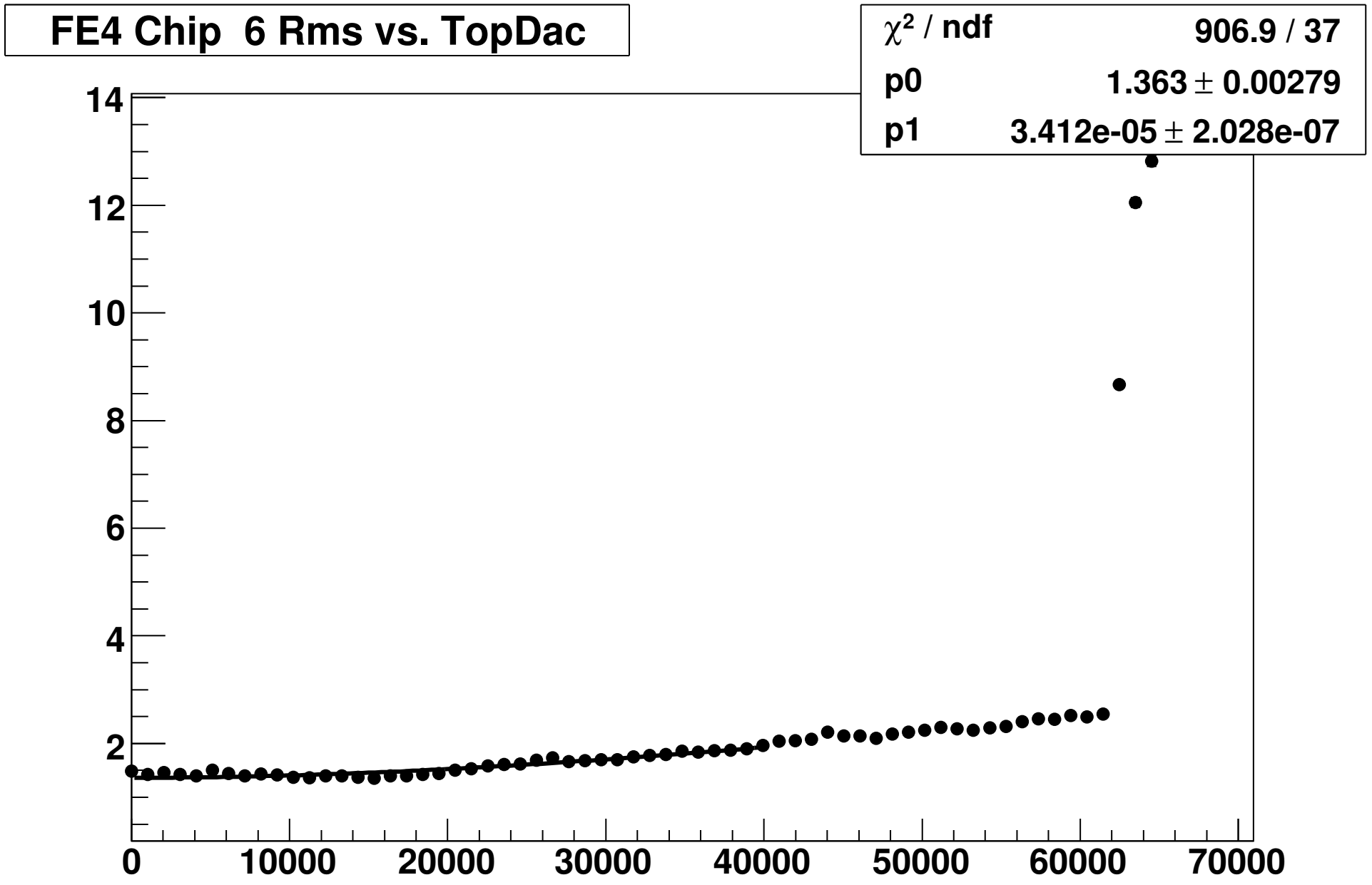
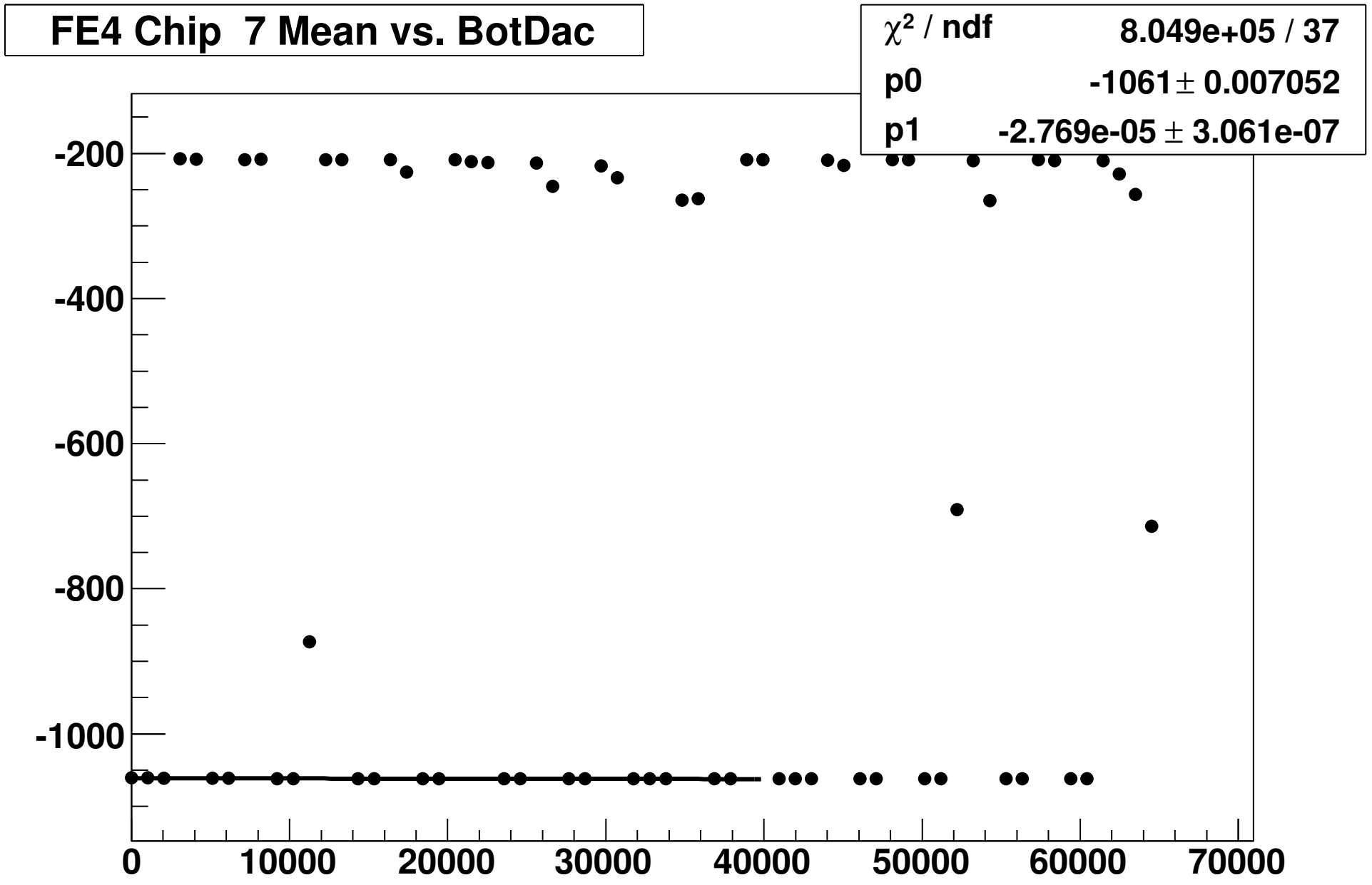
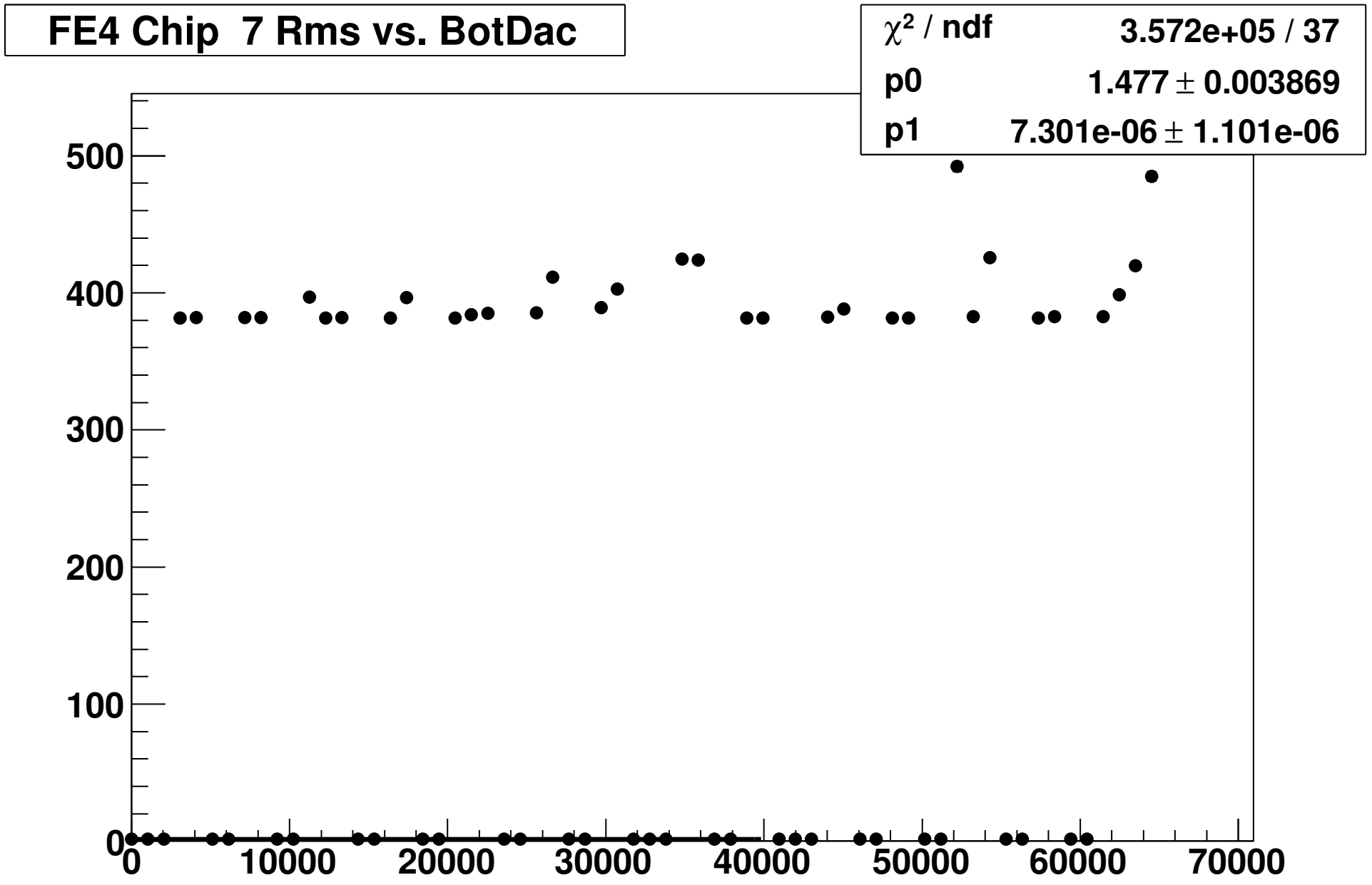
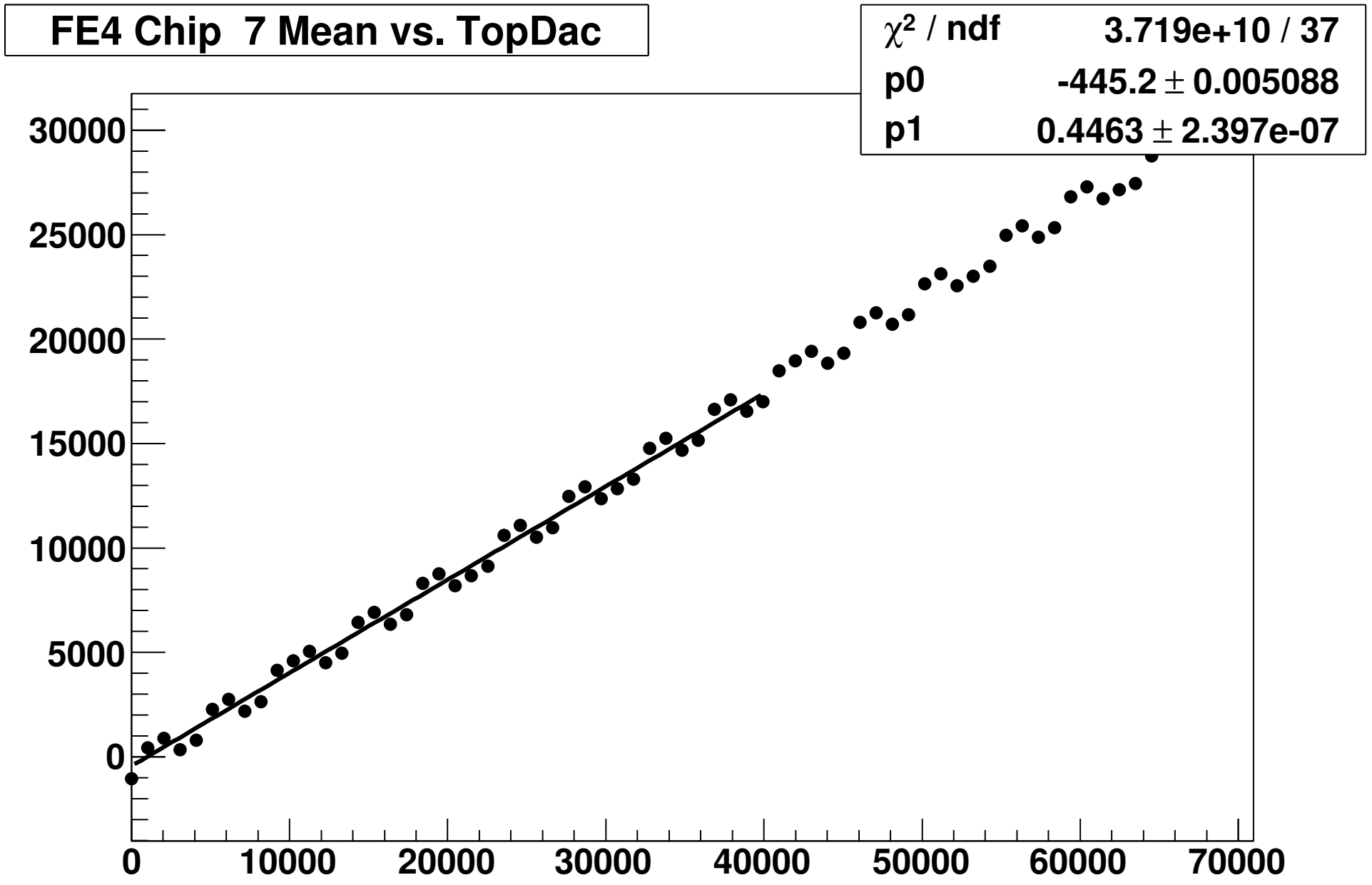
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 906.9 / 37
p0 1.363 ± 0.00279
p1 3.412e-05 ± 2.028e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 8.049e+05 / 37
p0 -1061 ± 0.007052
p1 -2.769e-05 ± 3.061e-07
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 3.572e+05 / 37
p0 1.477 ± 0.003869
p1 7.301e-06 ± 1.101e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 3.719e+10 / 37
p0 -445.2 ± 0.005088
p1 0.4463 ± 2.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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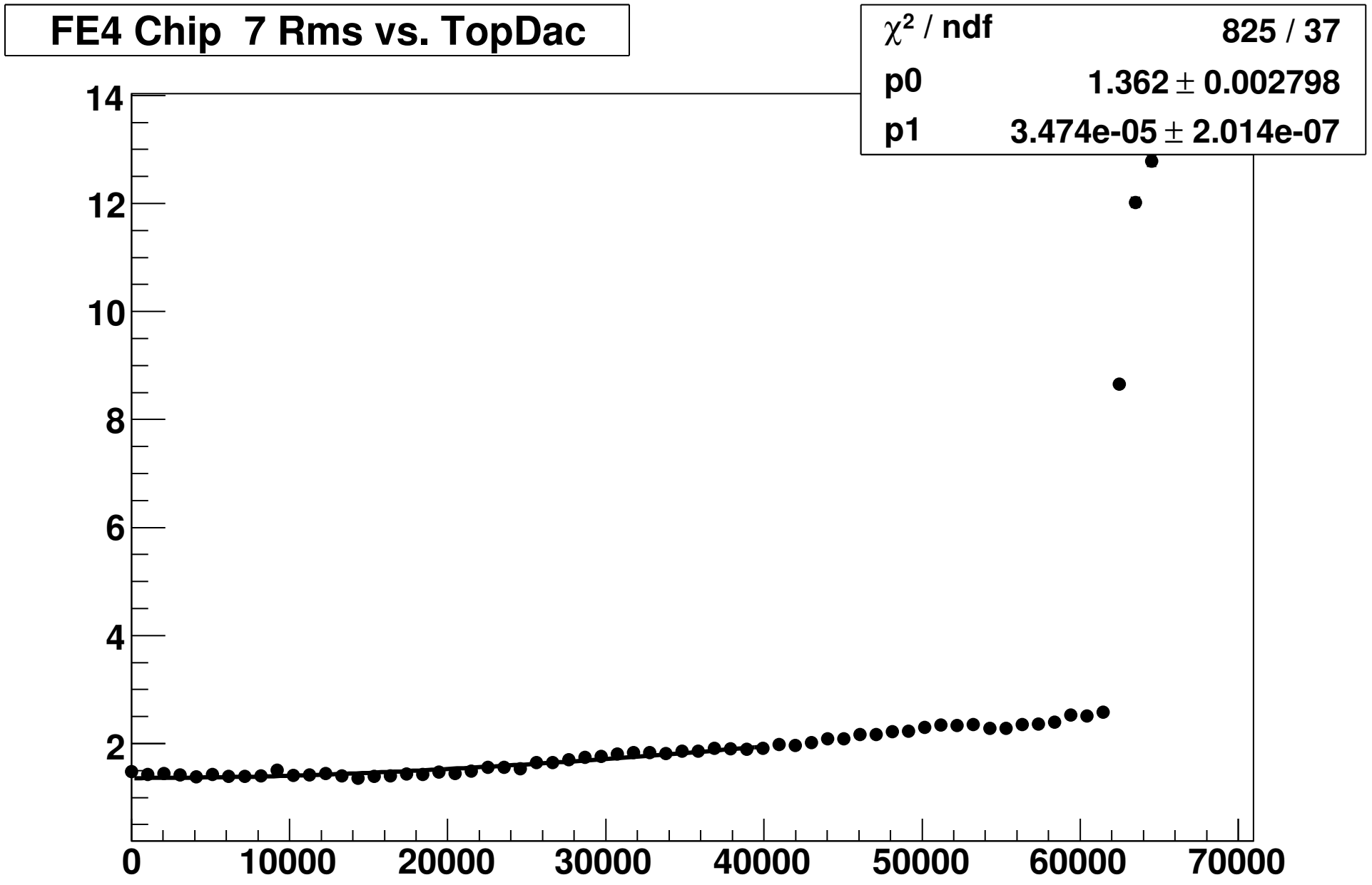
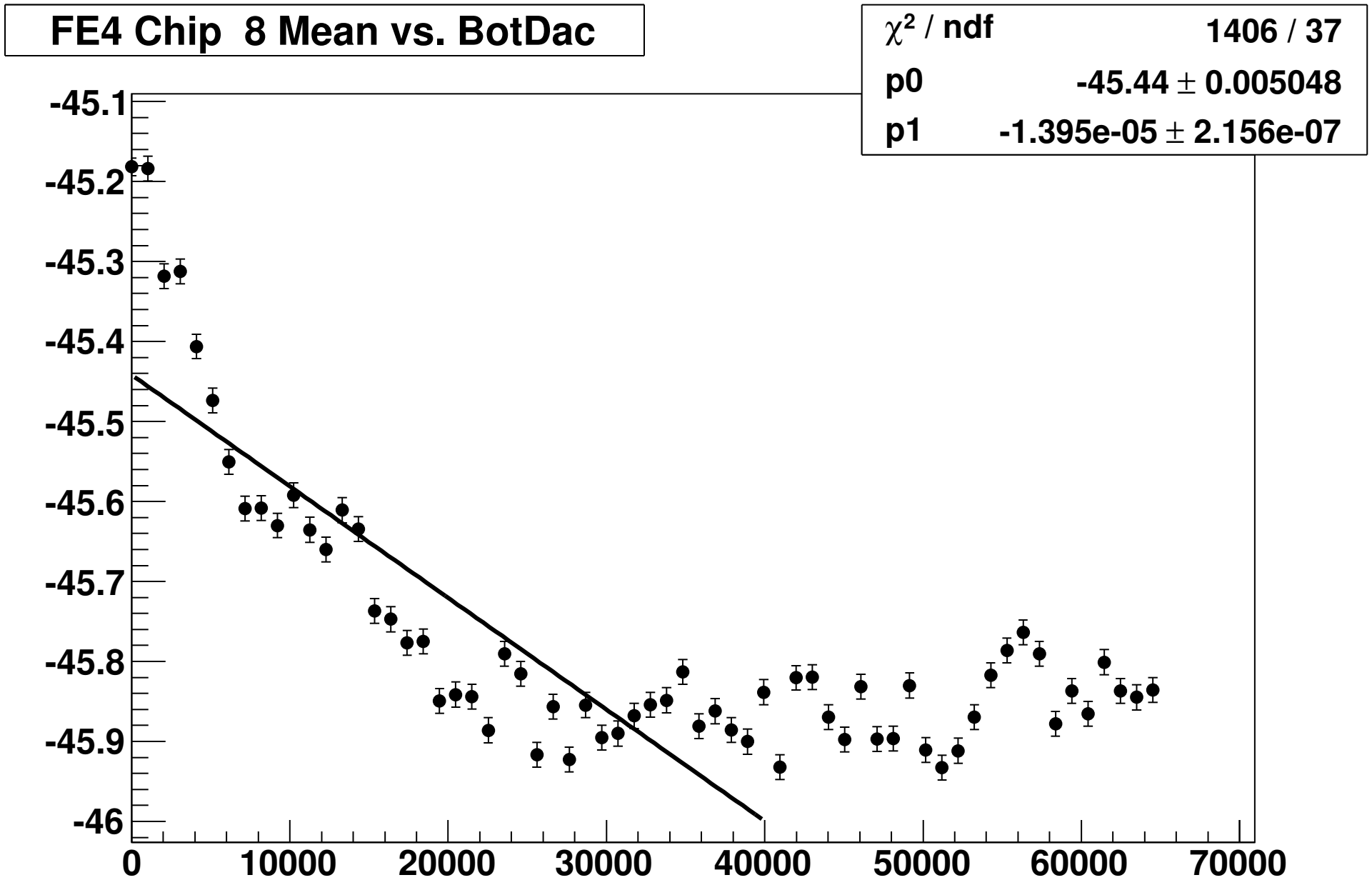
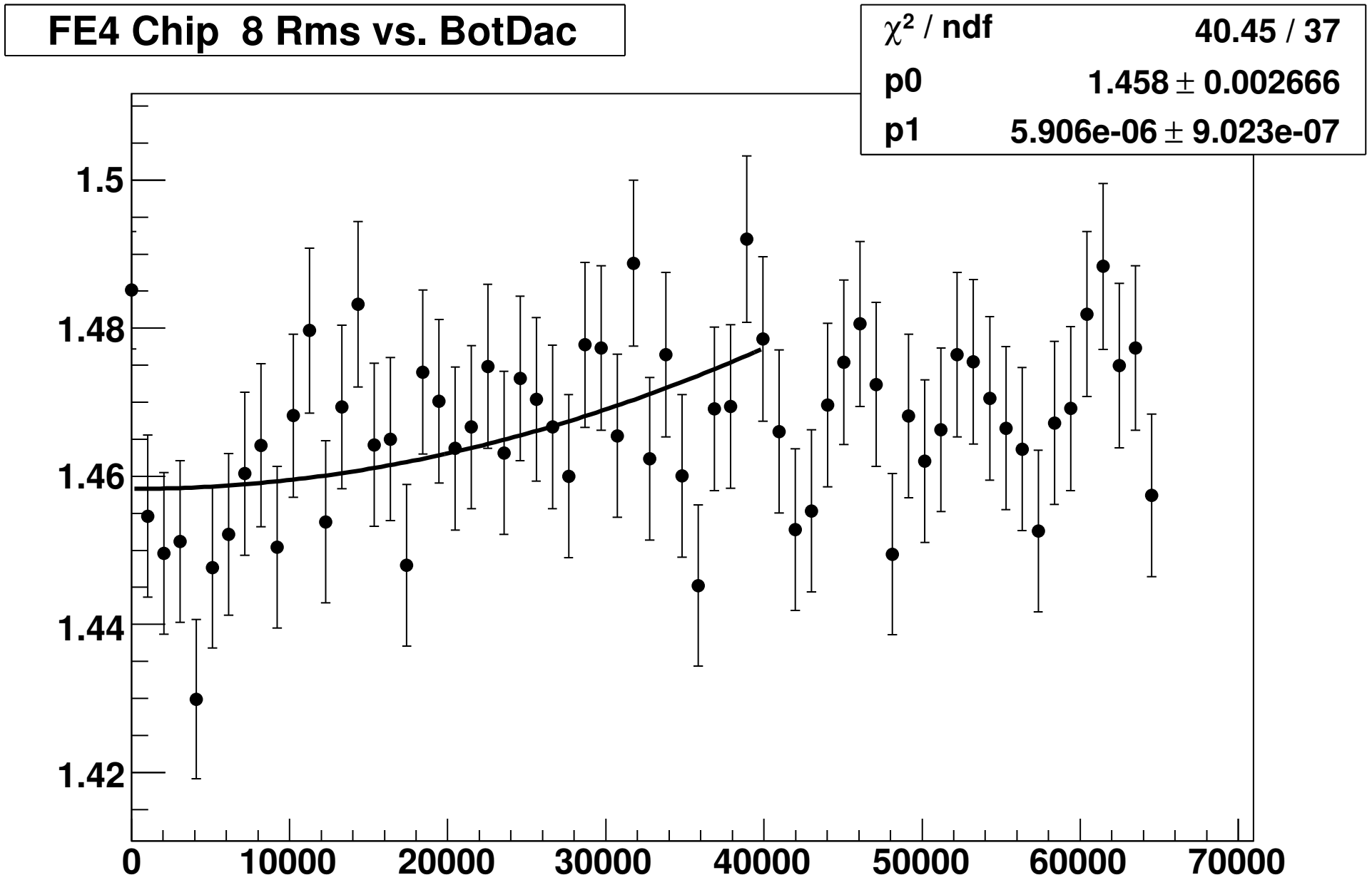
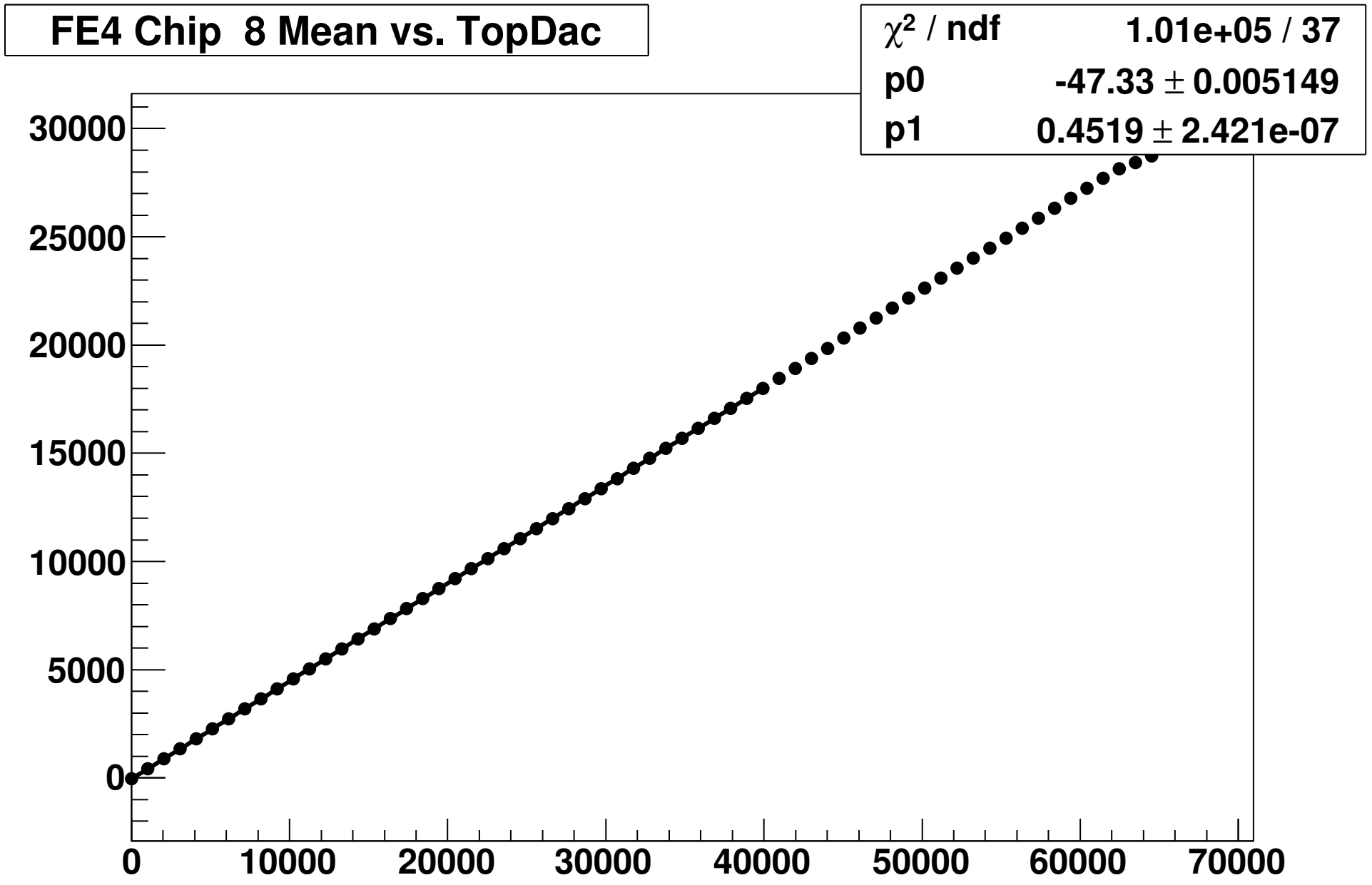
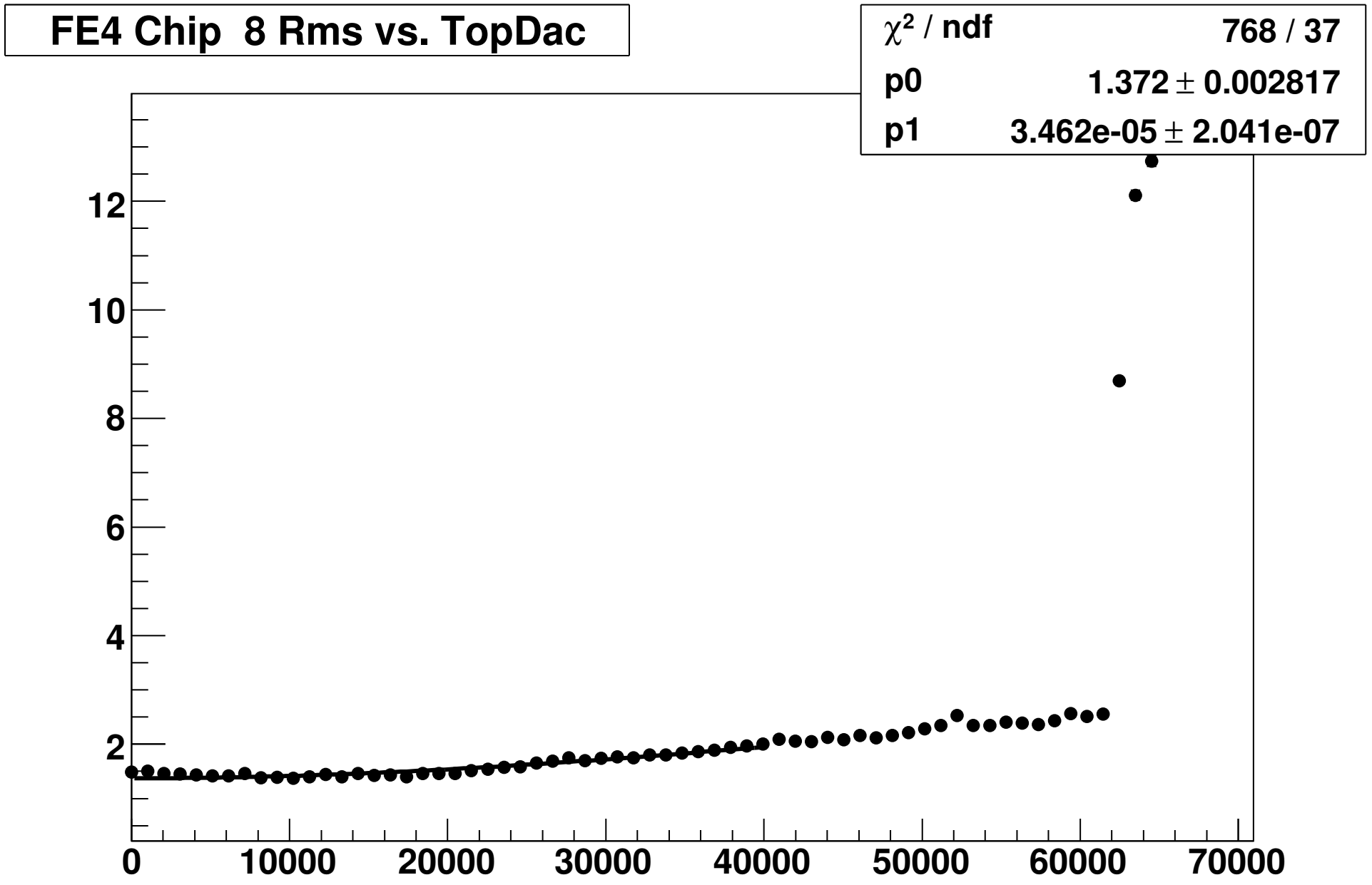
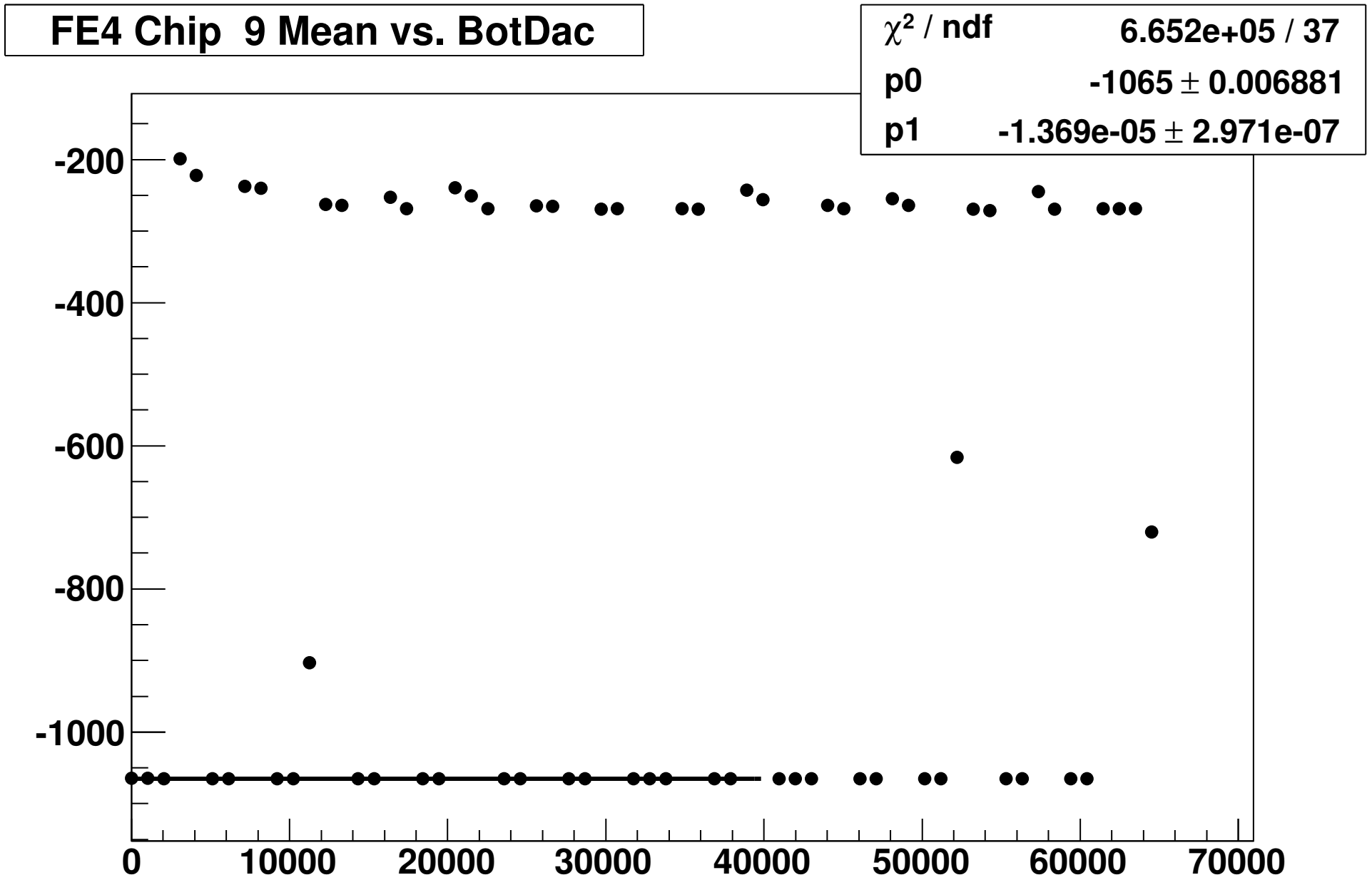

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 825 / 37
p0 1.362 ± 0.002798
p1 3.474e-05 ± 2.014e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

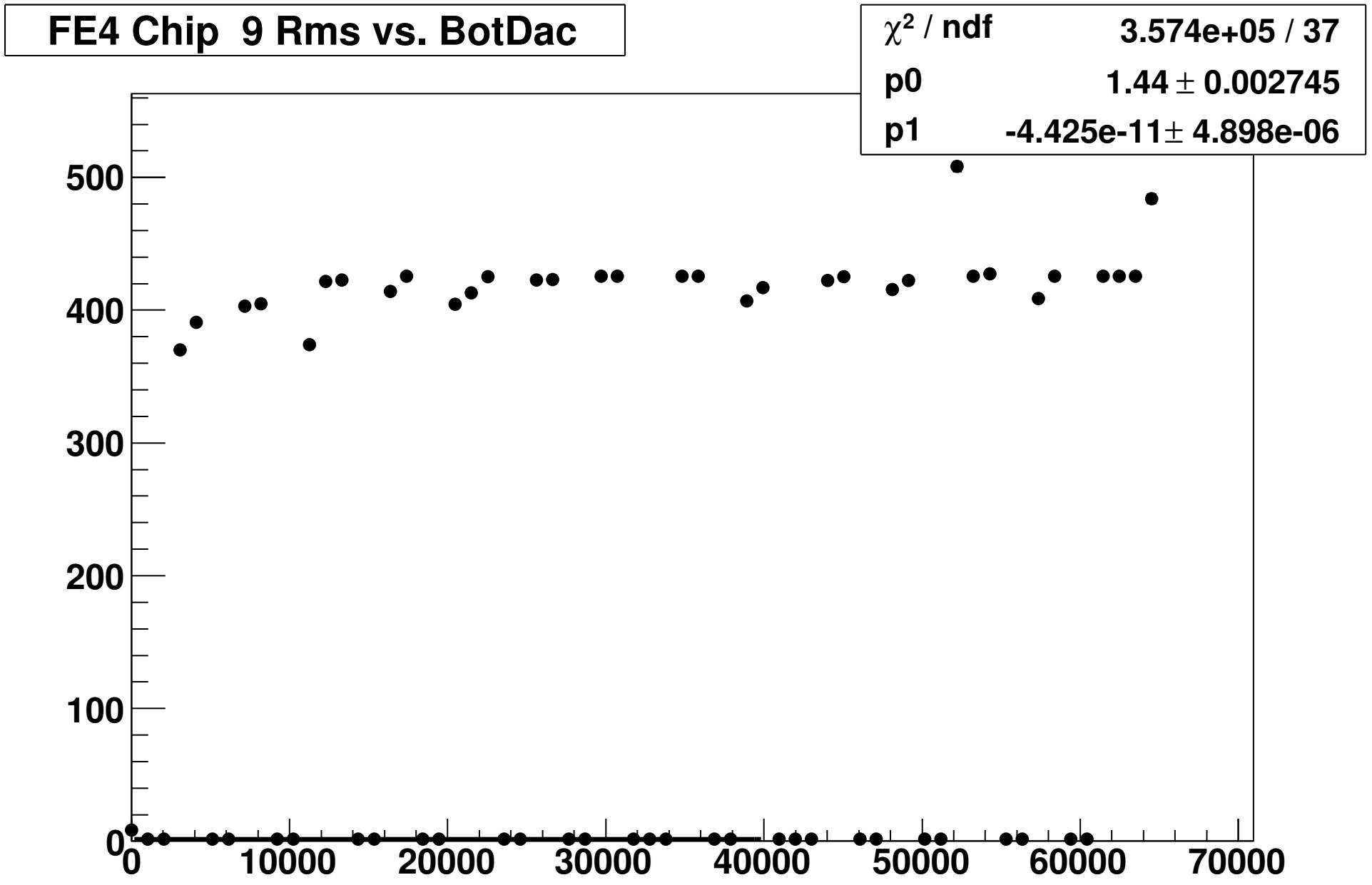

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 1406 / 37
p0 -45.44 ± 0.005048
p1 -1.395e-05 ± 2.156e-07
-45.1
-45.2
-45.3
-45.4
-45.5
-45.6
-45.7
-45.8
-45.9
-46
0
10000
20000
30000
40000
50000
60000
70000

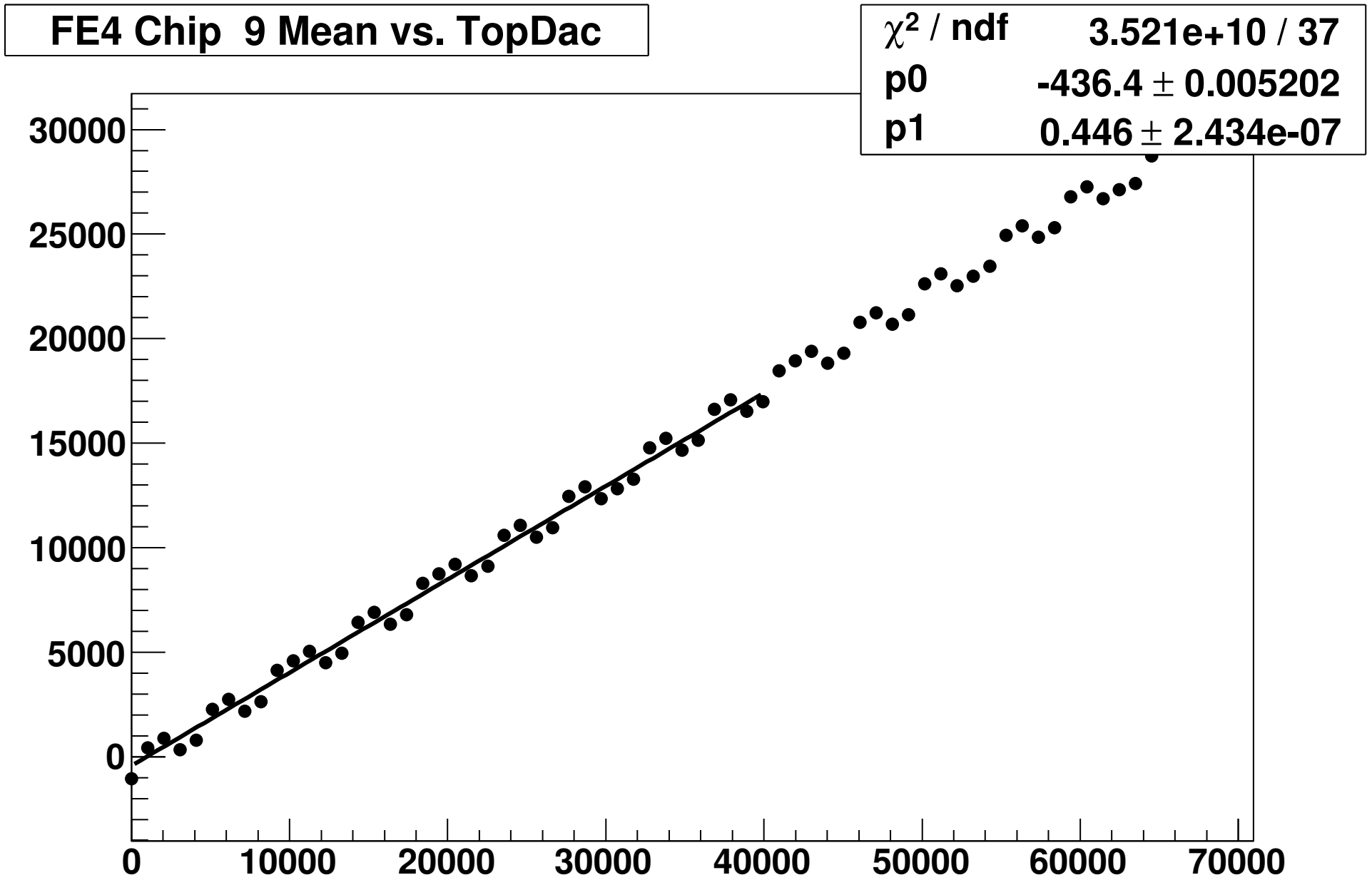

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 40.45 / 37
p0 1.458 ± 0.002666
p1 5.906e-06 ± 9.023e-07
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

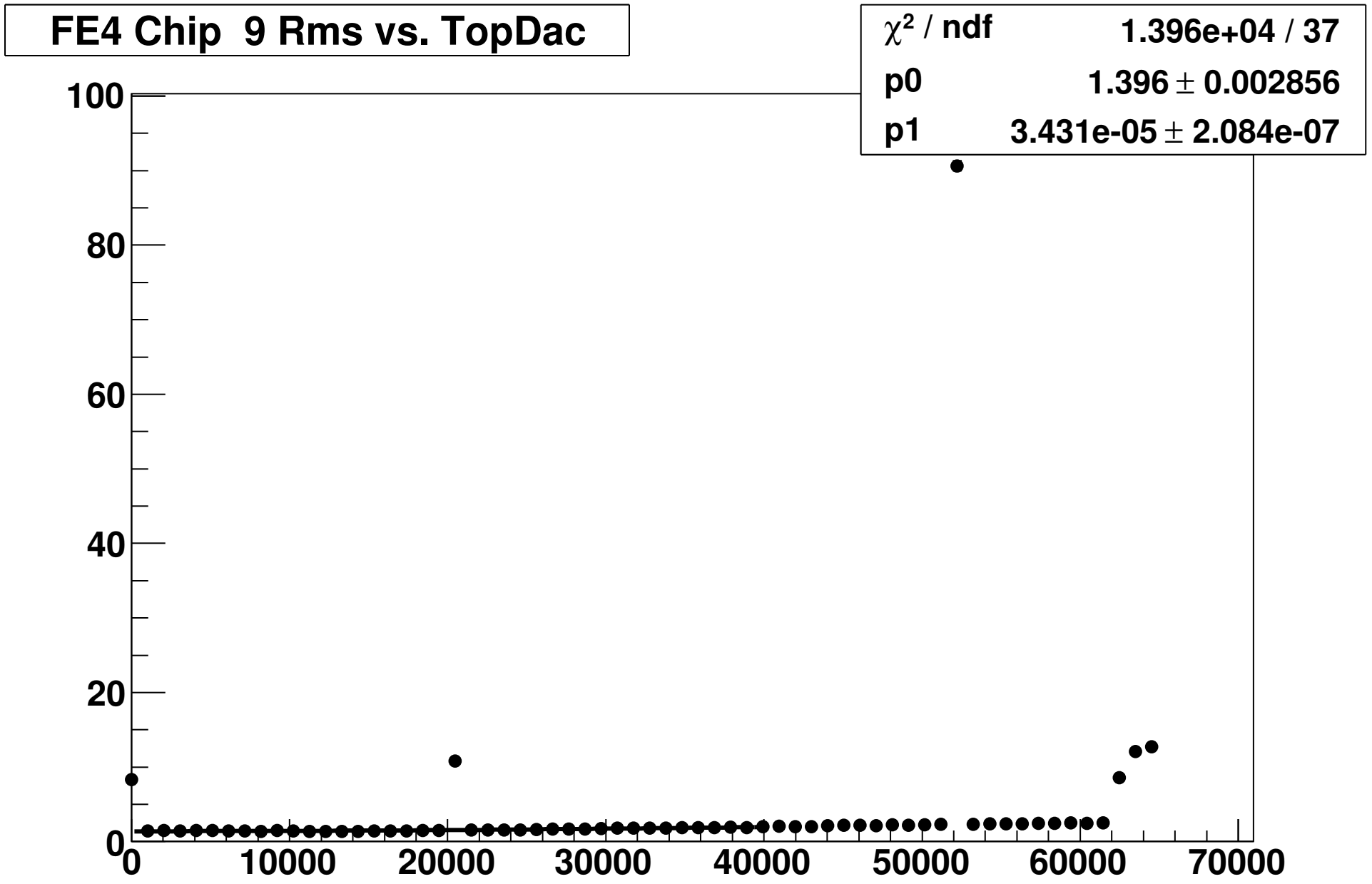

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.01e+05 / 37
p0 -47.33 ± 0.005149
p1 0.4519 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

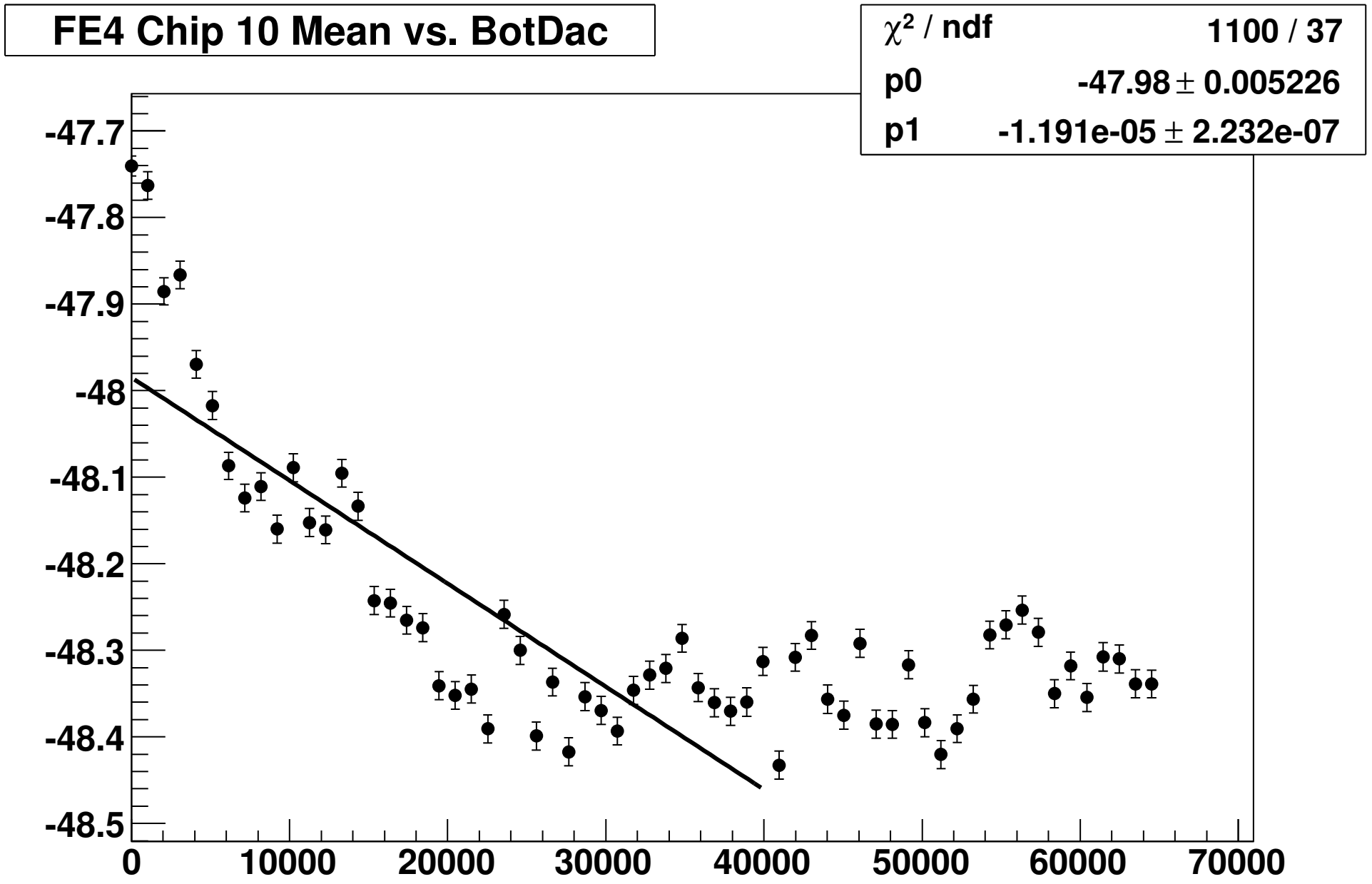

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 768 / 37
p0 1.372 ± 0.002817
p1 3.462e-05 ± 2.041e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 6.652e+05 / 37
p0 -1065 ± 0.006881
p1 -1.369e-05 ± 2.971e-07
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 3.574e+05 / 37
p0 1.44 ± 0.002745
p1 -4.425e-11 ± 4.898e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 3.521e+10 / 37
p0 -436.4 ± 0.005202
p1 0.446 ± 2.434e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1.396e+04 / 37
p0 1.396 ± 0.002856
p1 3.431e-05 ± 2.084e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 1100 / 37
p0 -47.98 ± 0.005226
p1 -1.191e-05 ± 2.232e-07
-47.7
-47.8
-47.9
-48
-48.1
-48.2
-48.3
-48.4
-48.5
0
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20000
30000
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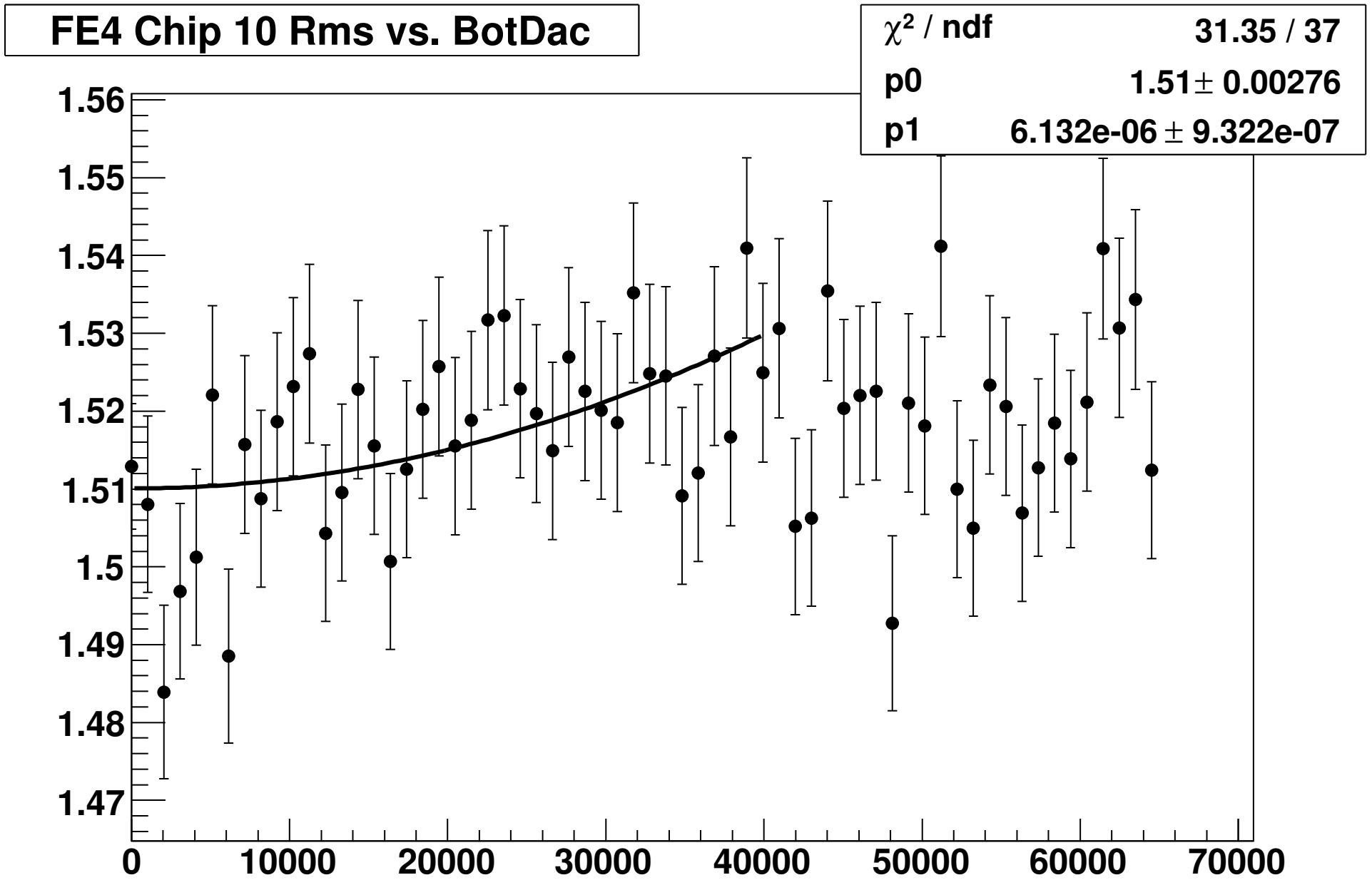
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 31.35 / 37
p0 1.51 ± 0.00276
p1 6.132e-06 ± 9.322e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
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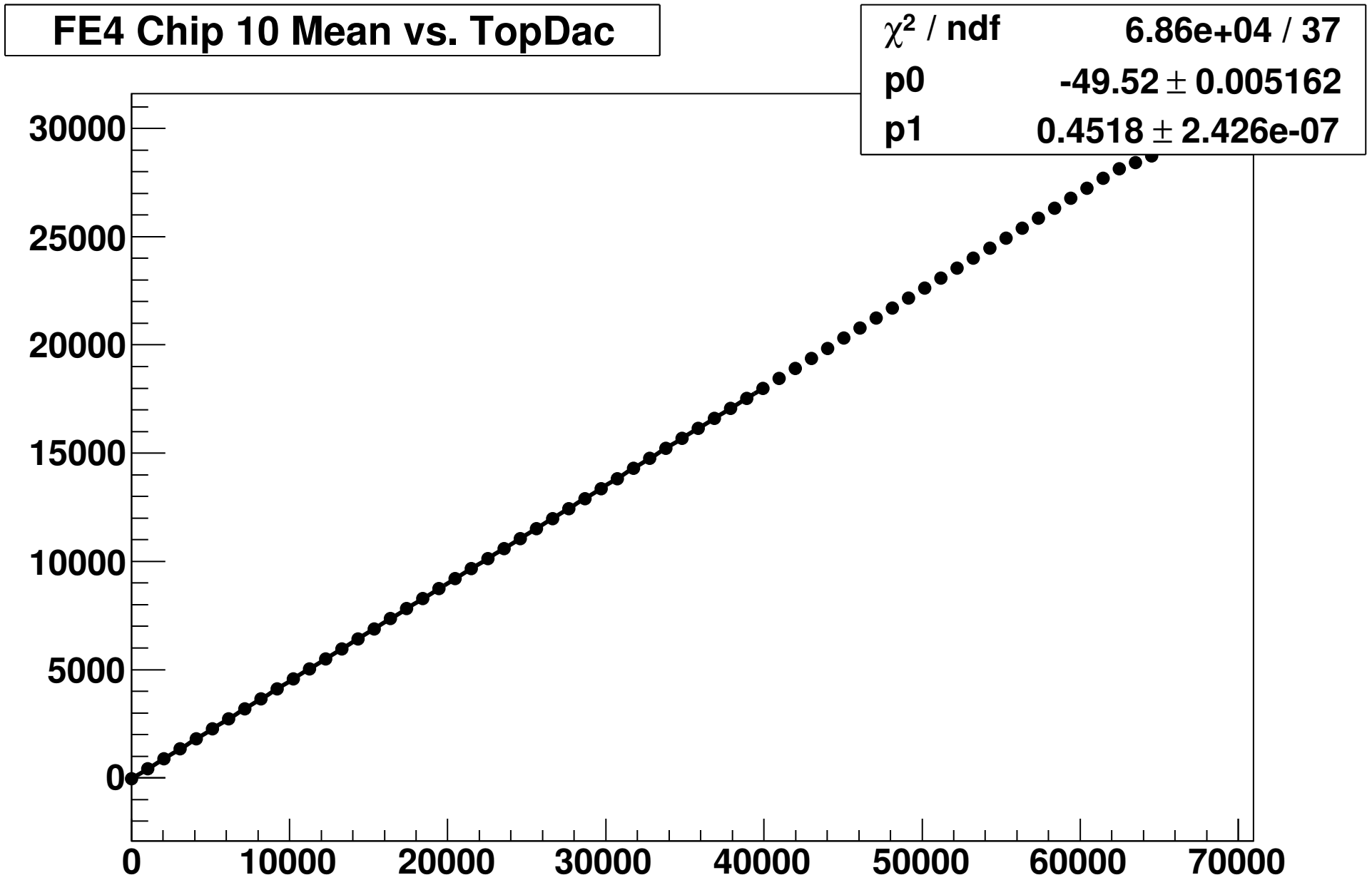
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 6.86e+04 / 37
p0 -49.52 ± 0.005162
p1 0.4518 ± 2.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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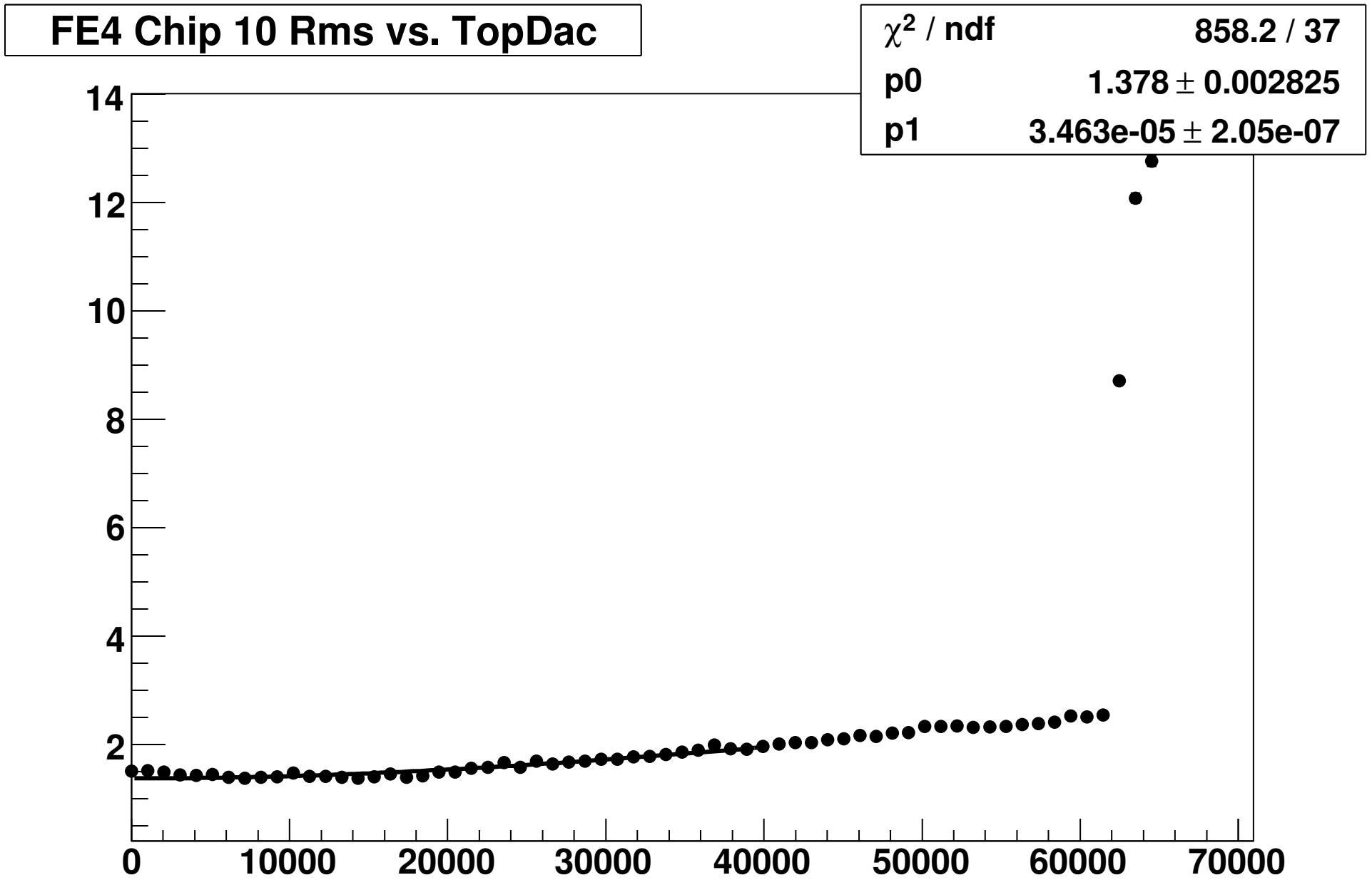
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 858.2 / 37
p0 1.378 ± 0.002825
p1 3.463e-05 ± 2.05e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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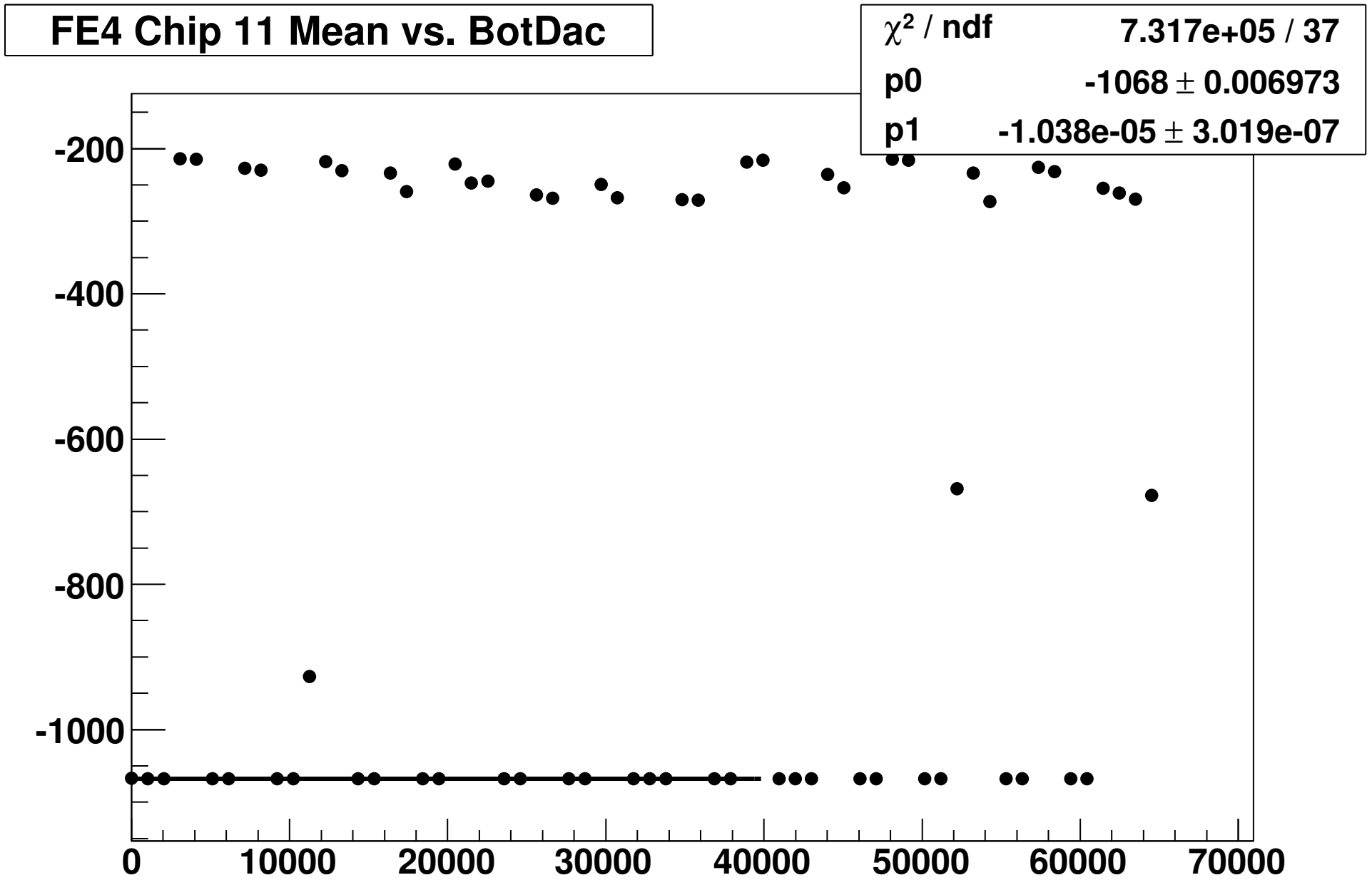
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 7.317e+05 / 37
p0 -1068 ± 0.006973
p1 -1.038e-05 ± 3.019e-07
-200
-400
-600
-800
-1000
0
10000
20000
30000
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60000
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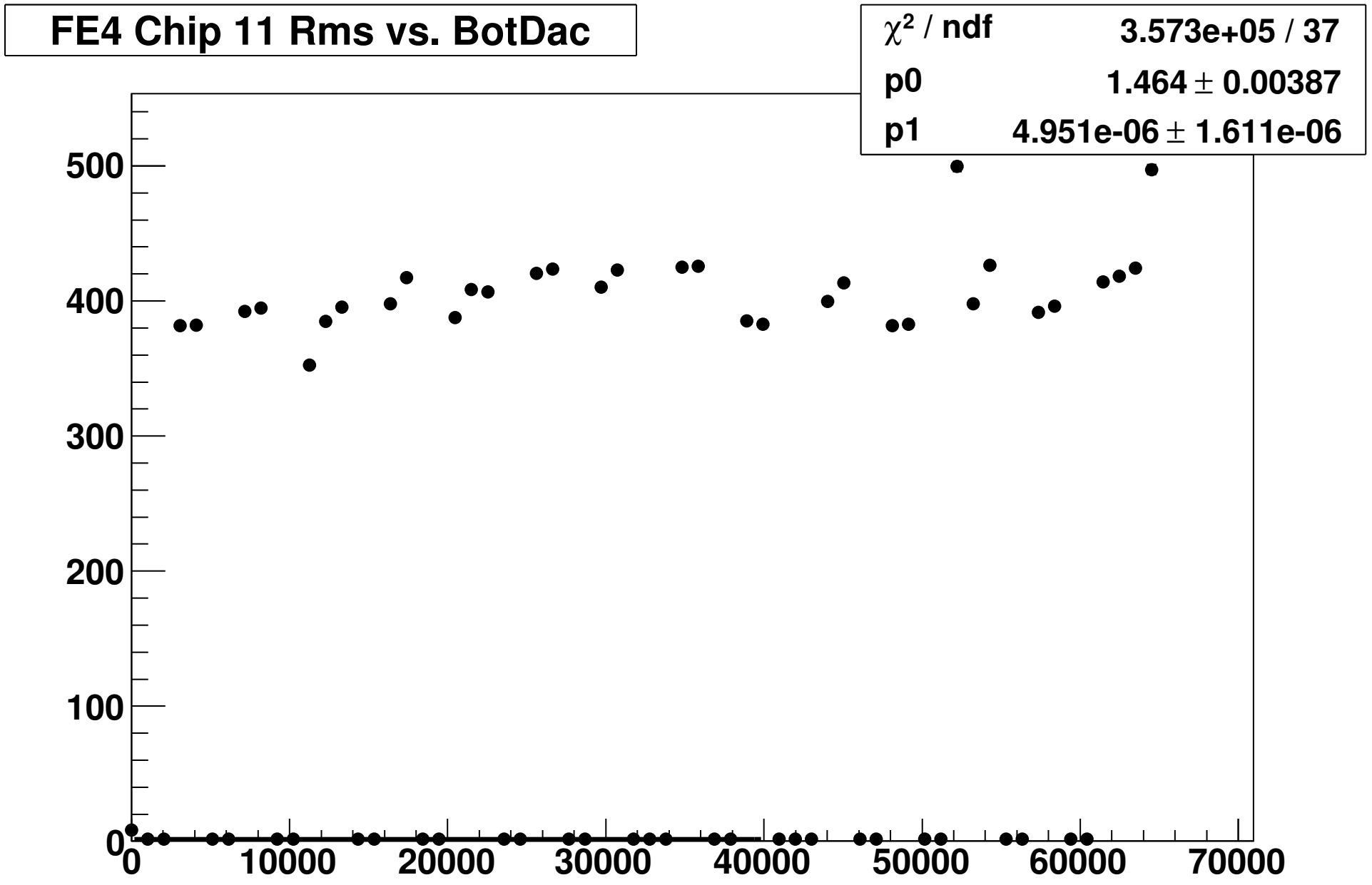
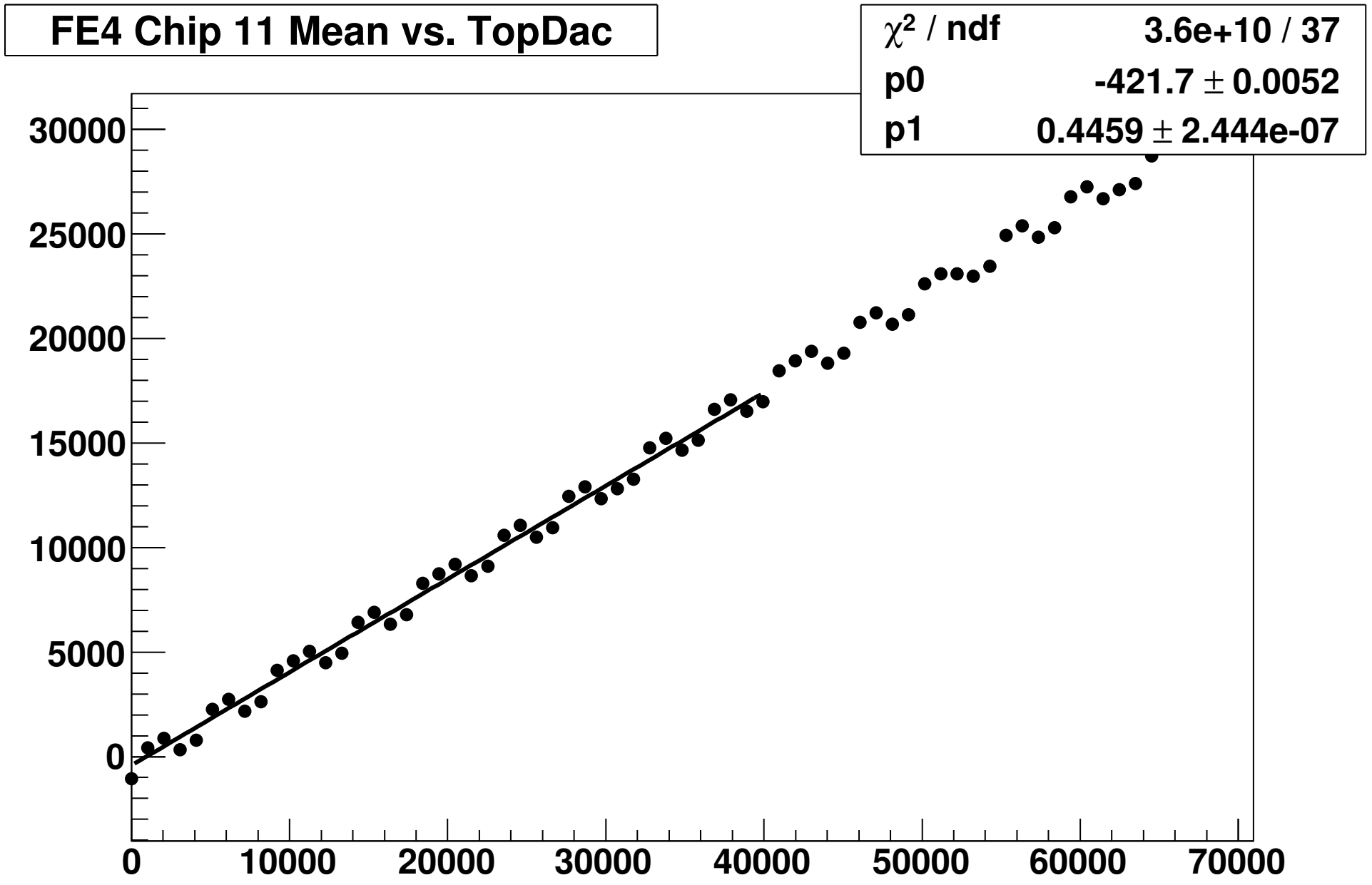
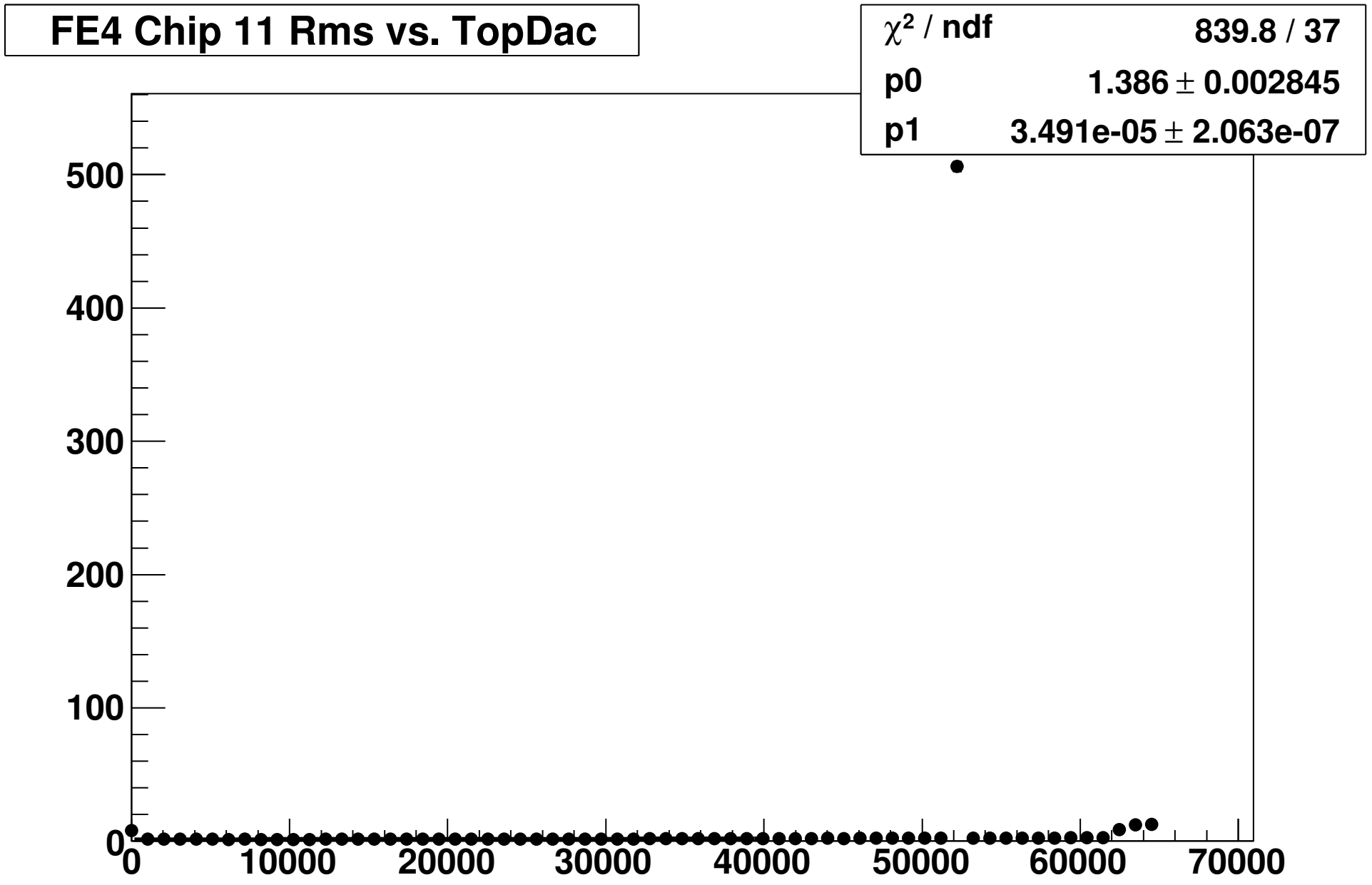
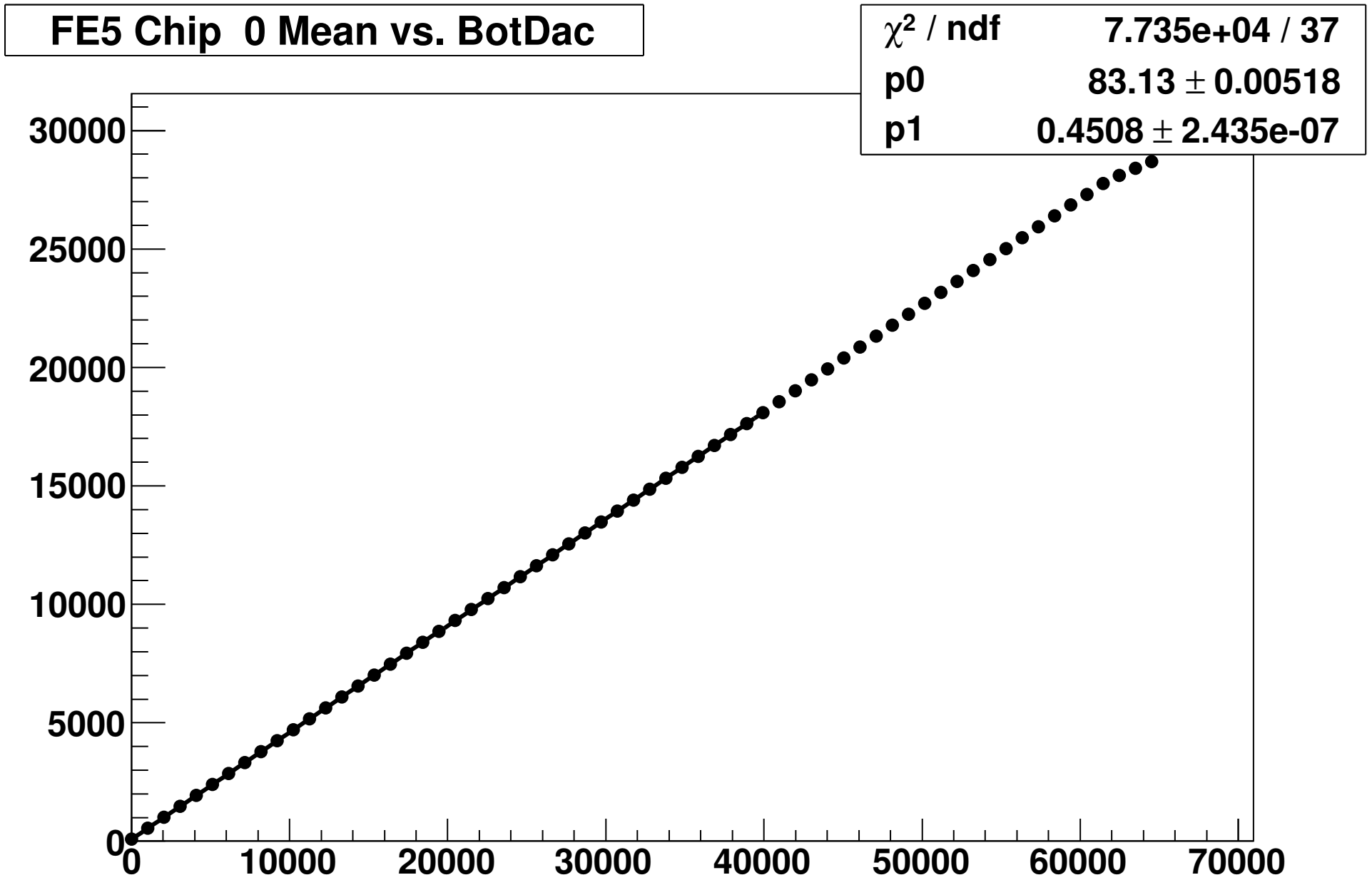
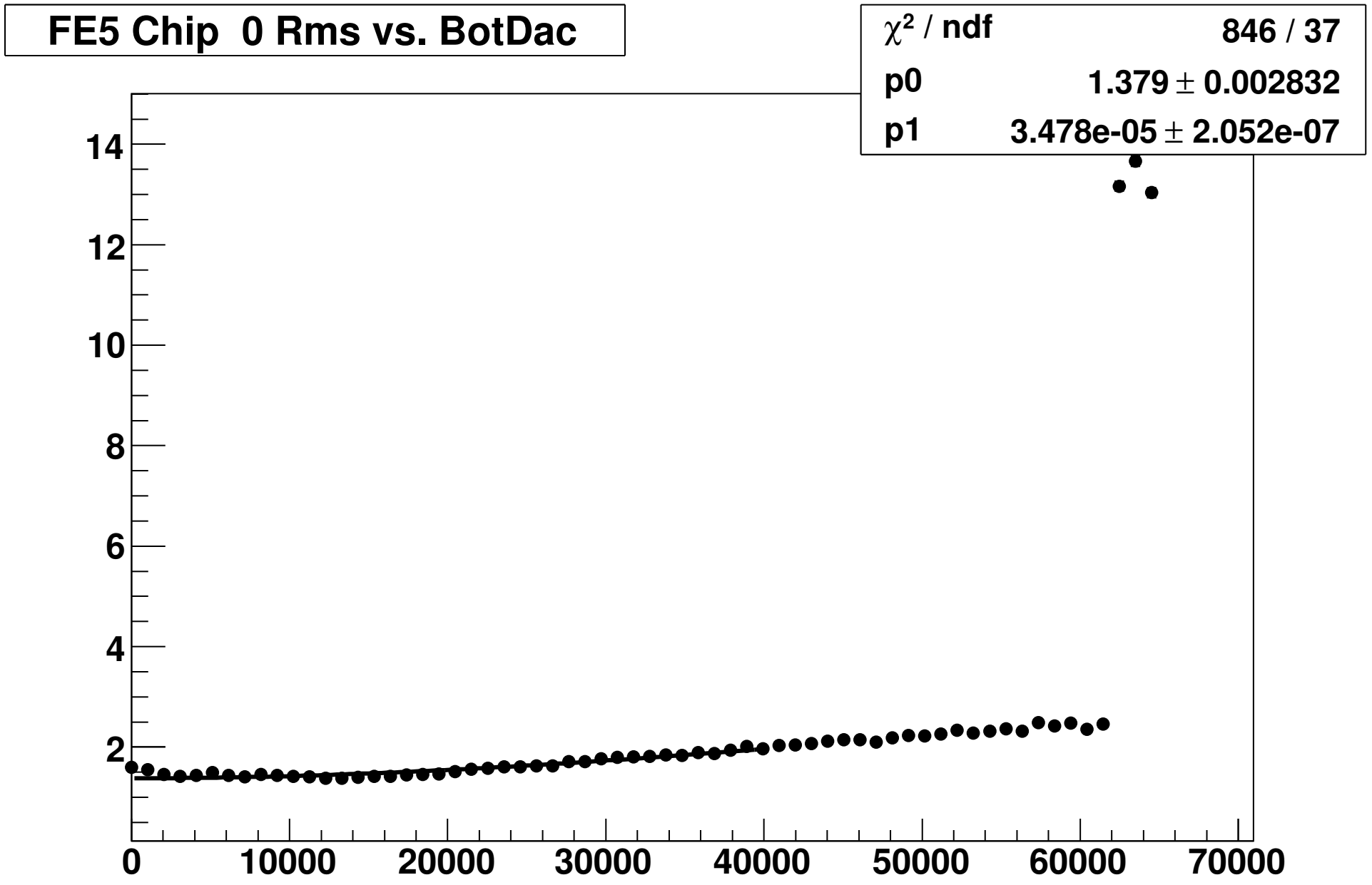
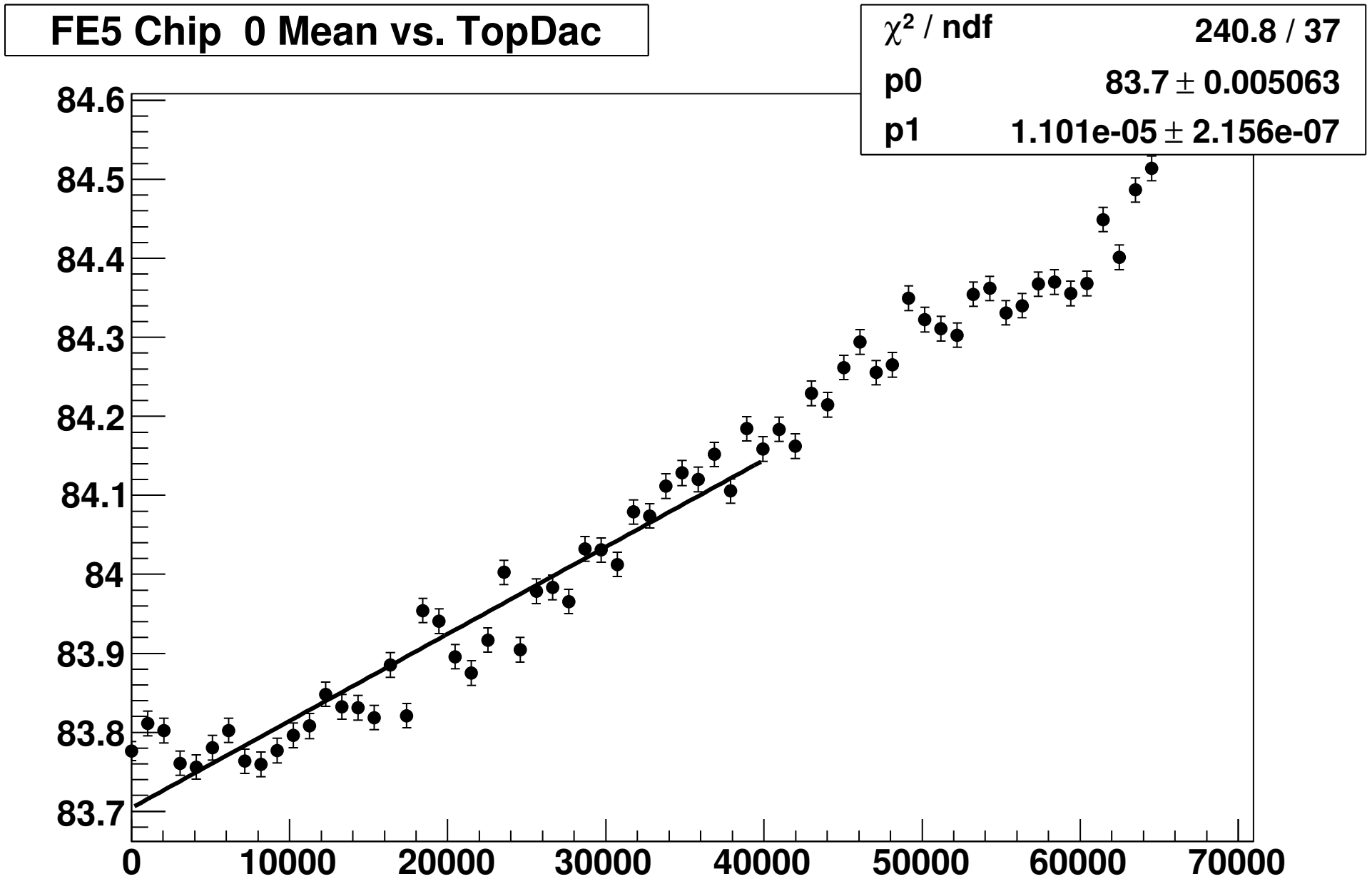

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 3.573e+05 / 37
p0 1.464 ± 0.00387
p1 4.951e-06 ± 1.611e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 3.6e+10 / 37
p0 -421.7 ± 0.0052
p1 0.4459 ± 2.444e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 839.8 / 37
p0 1.386 ± 0.002845
p1 3.491e-05 ± 2.063e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 7.735e+04 / 37
p0 83.13 ± 0.00518
p1 0.4508 ± 2.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 846 / 37
p0 1.379 ± 0.002832
p1 3.478e-05 ± 2.052e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 240.8 / 37
p0 83.7 ± 0.005063
p1 1.101e-05 ± 2.156e-07
84.6
84.5
84.4
84.3
84.2
84.1
84
83.9
83.8
83.7
0
10000
20000
30000
40000
50000
60000
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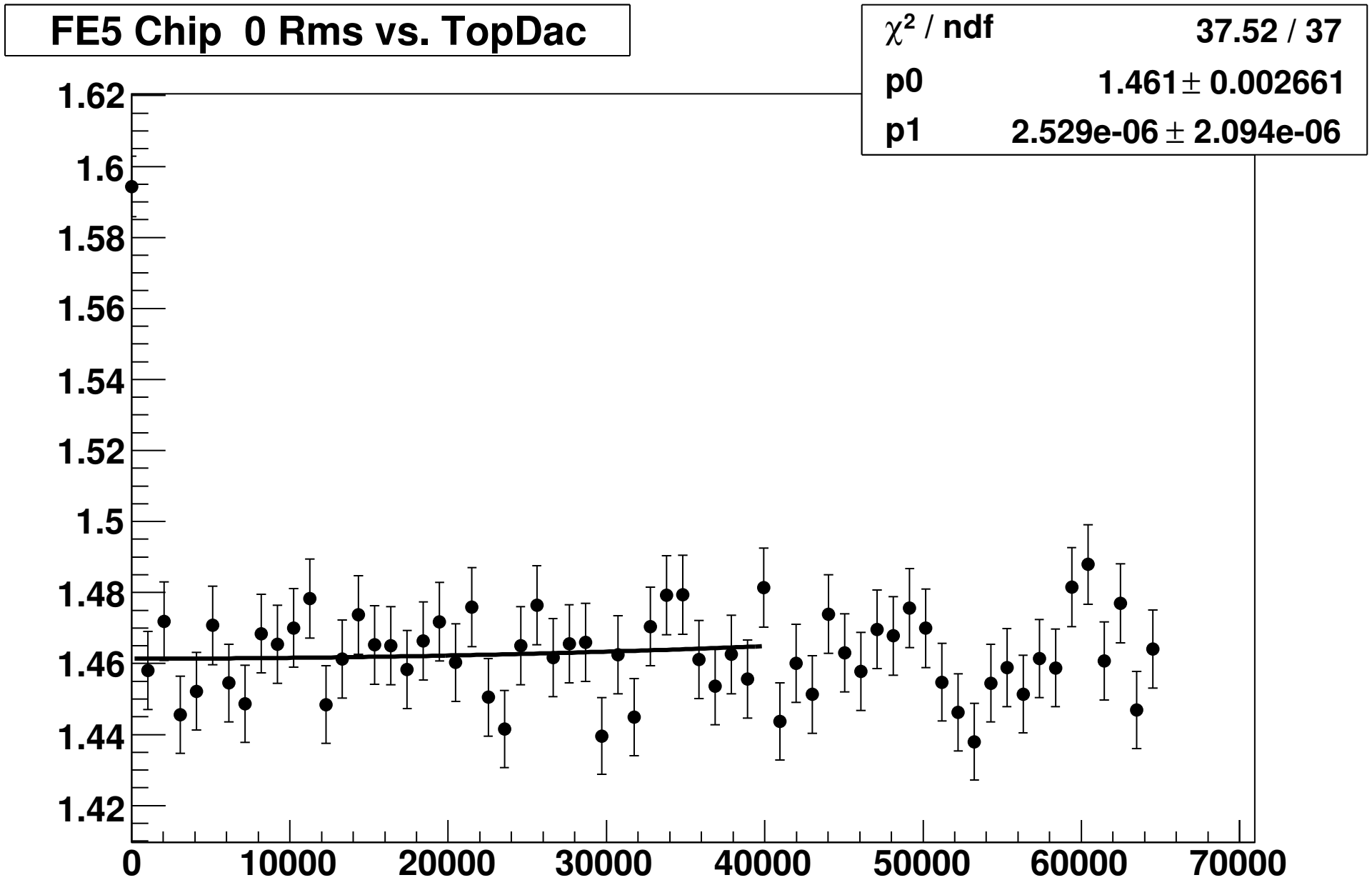
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 37.52 / 37
p0 1.461 ± 0.002661
p1 2.529e-06 ± 2.094e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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50000
60000
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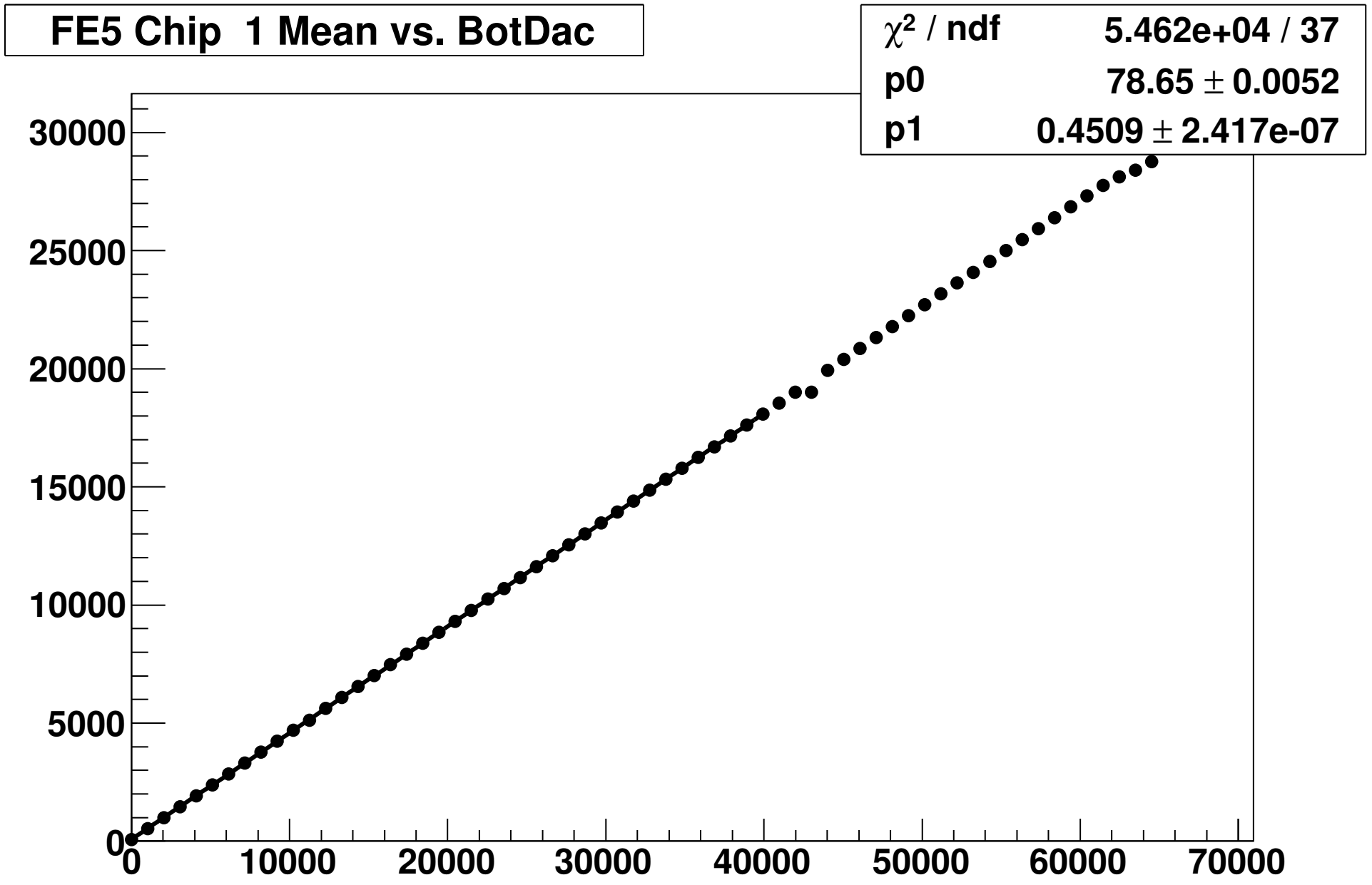
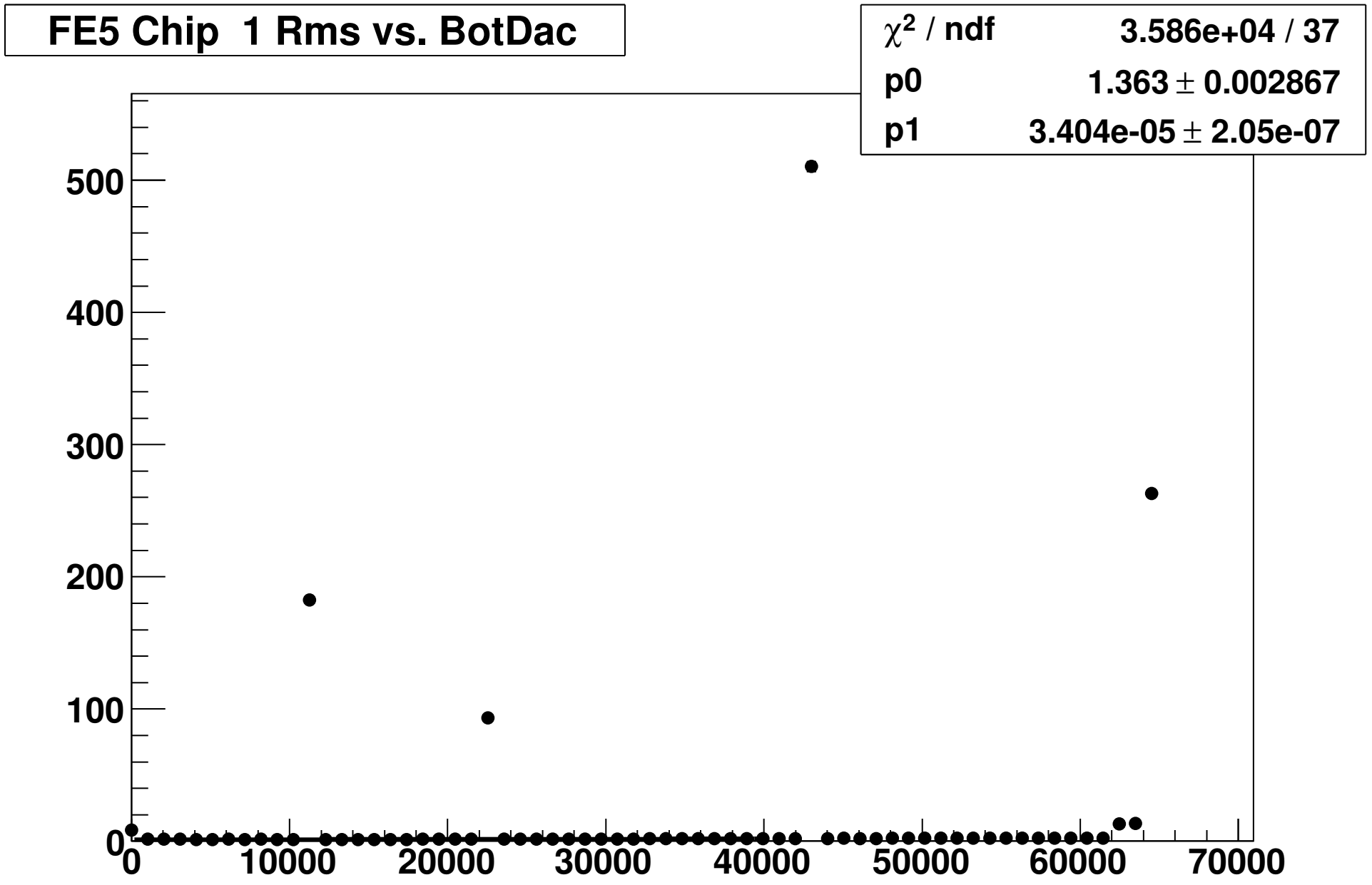
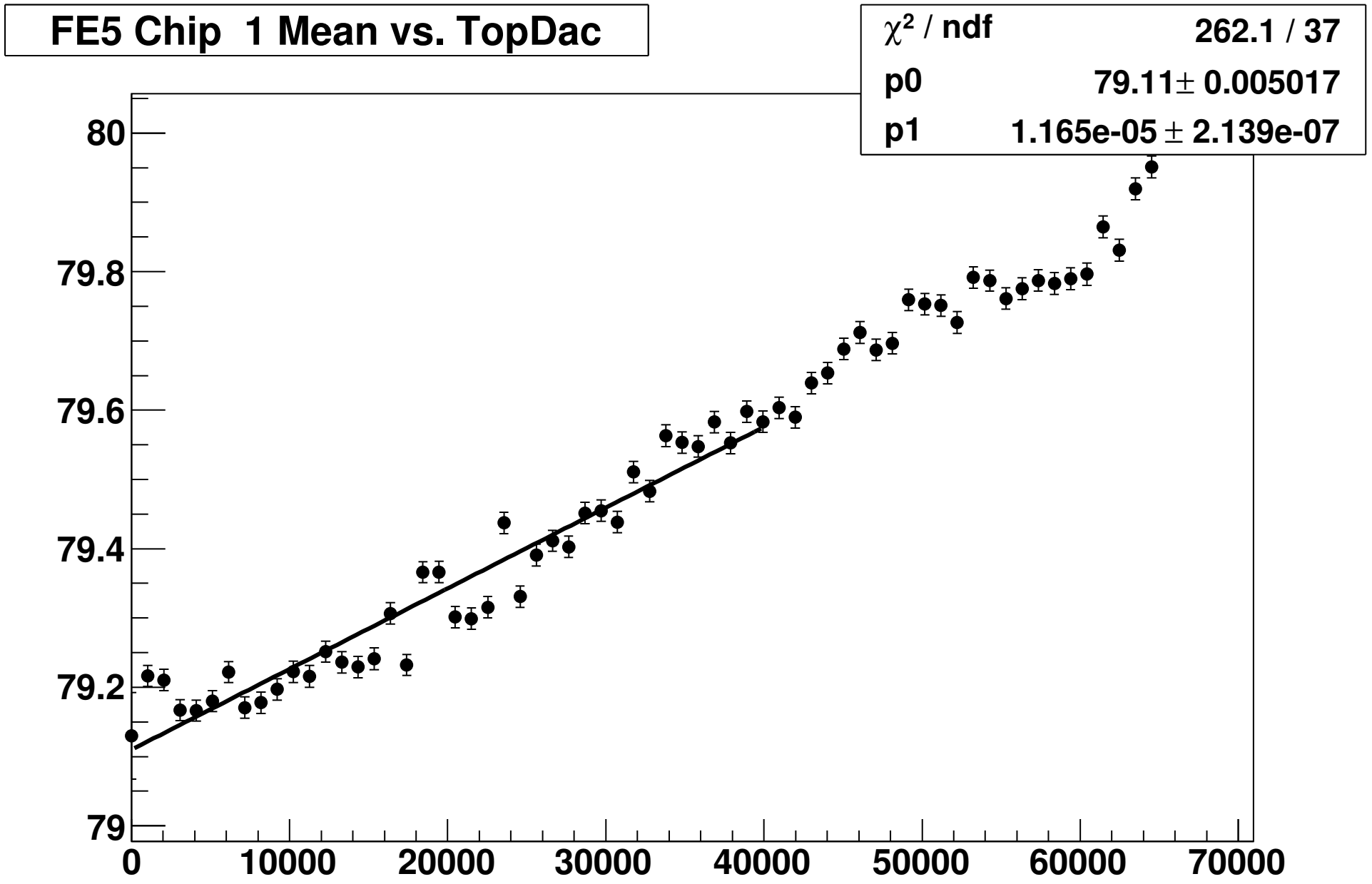
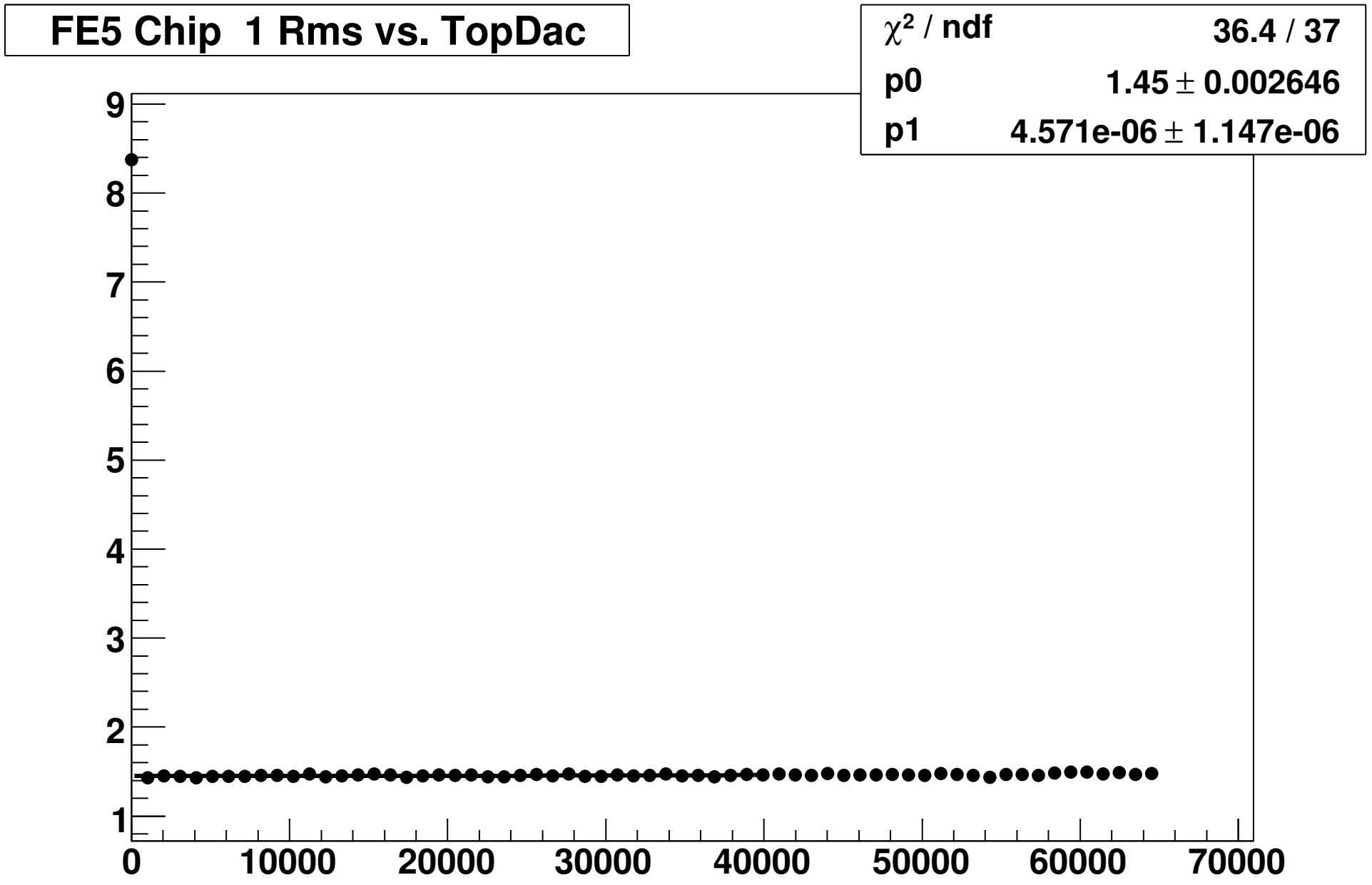
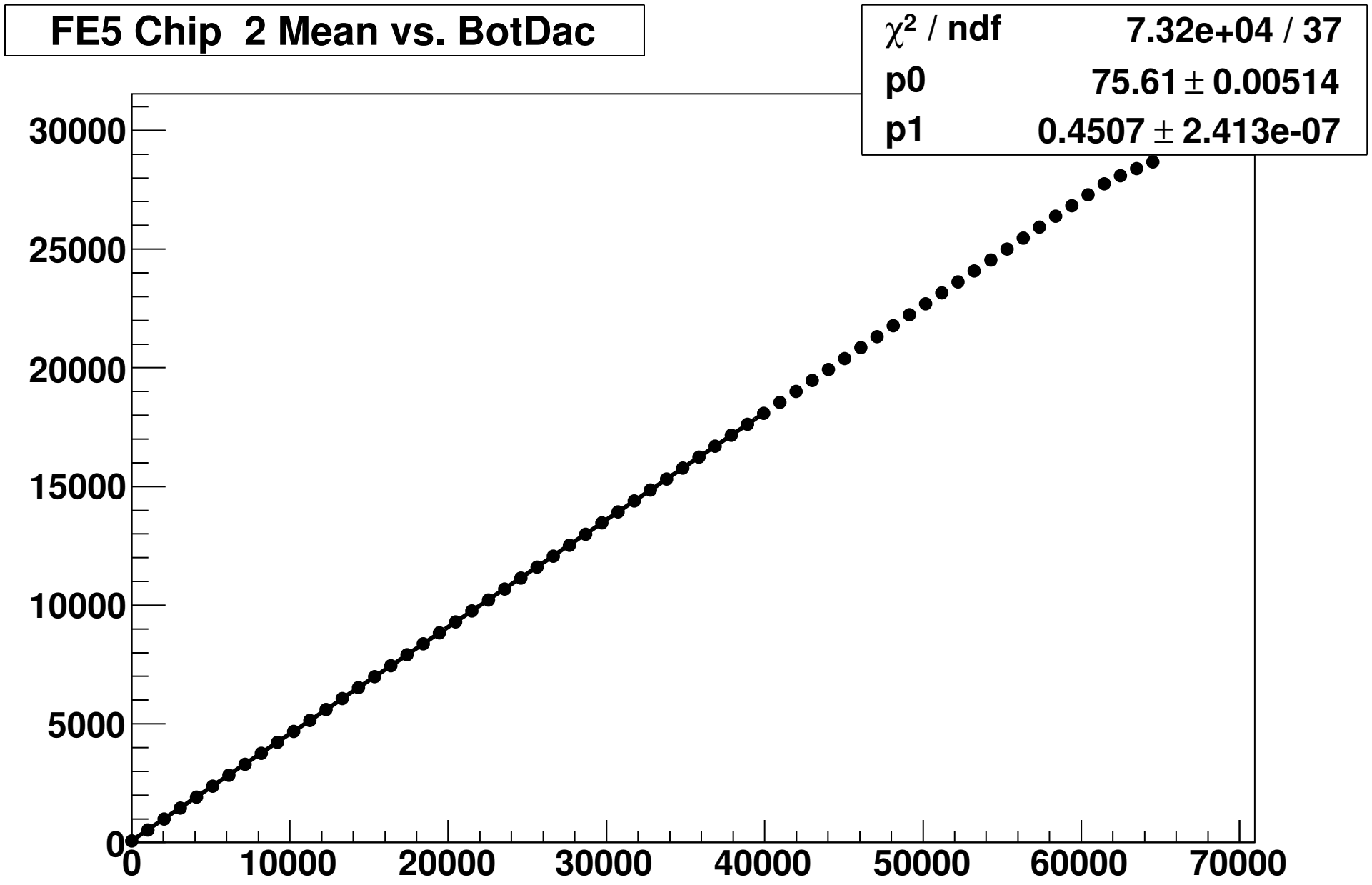
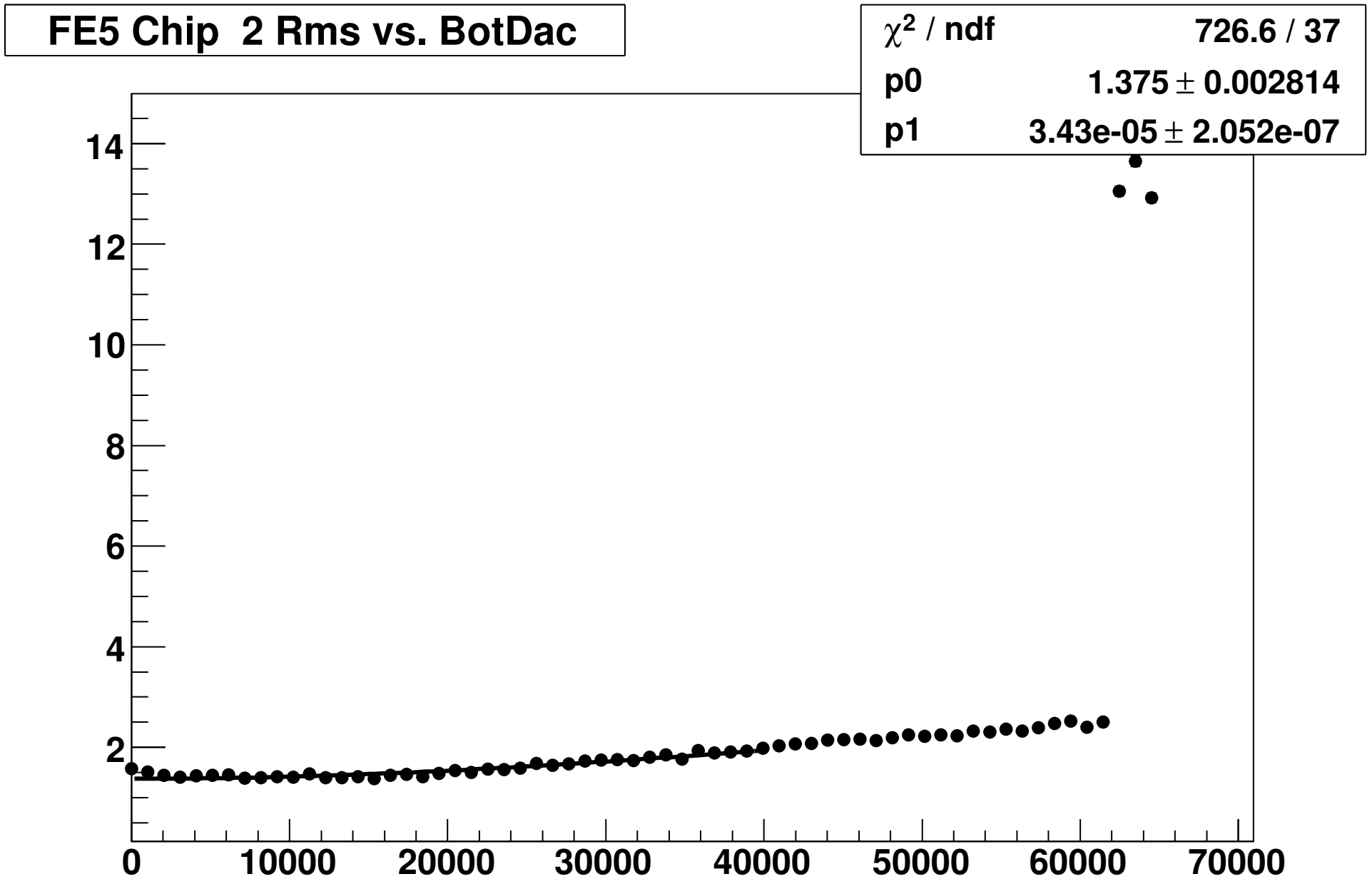

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 5.462e+04 / 37
p0 78.65 ± 0.0052
p1 0.4509 ± 2.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

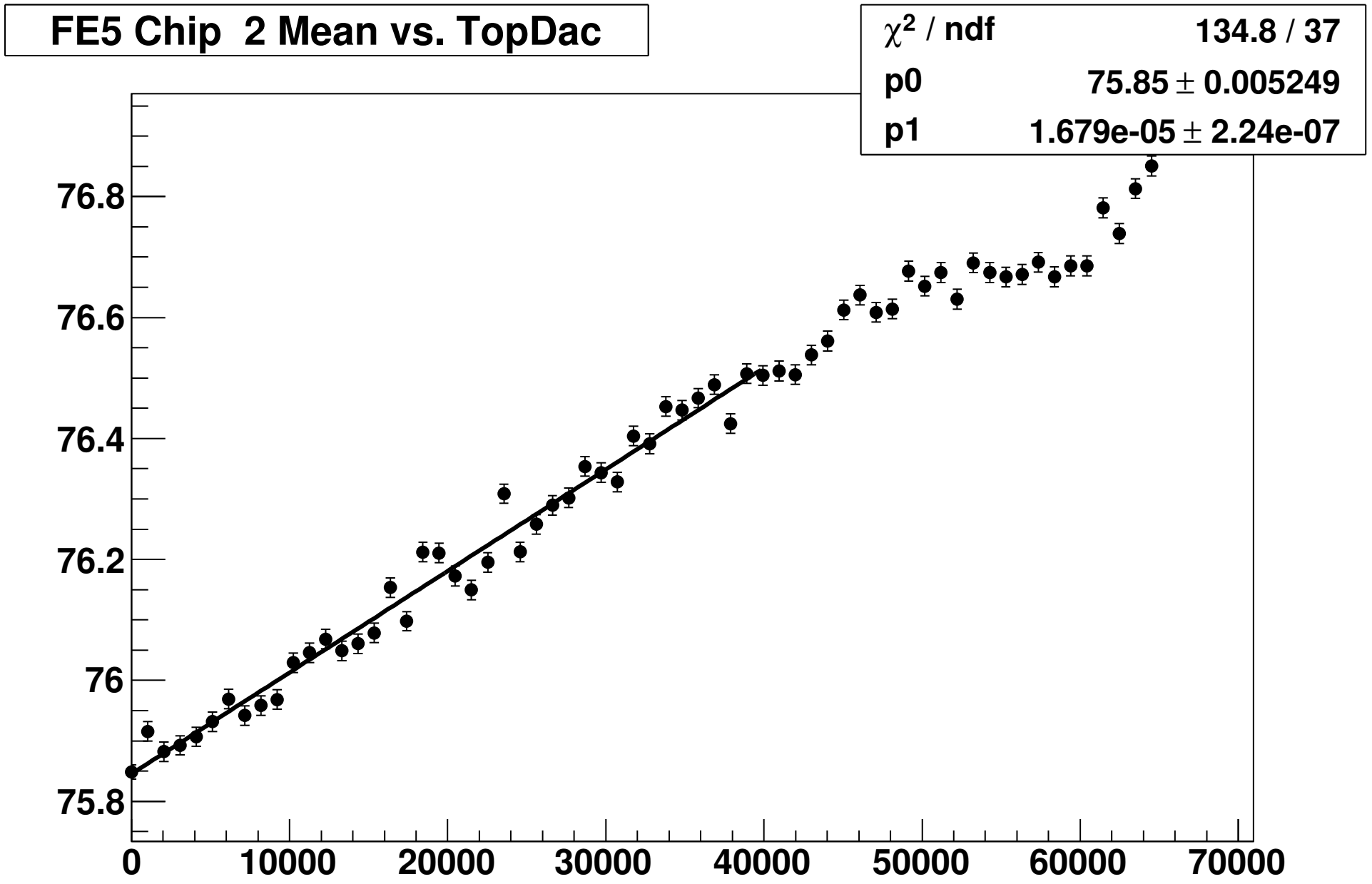

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 3.586e+04 / 37
p0 1.363 ± 0.002867
p1 3.404e-05 ± 2.05e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

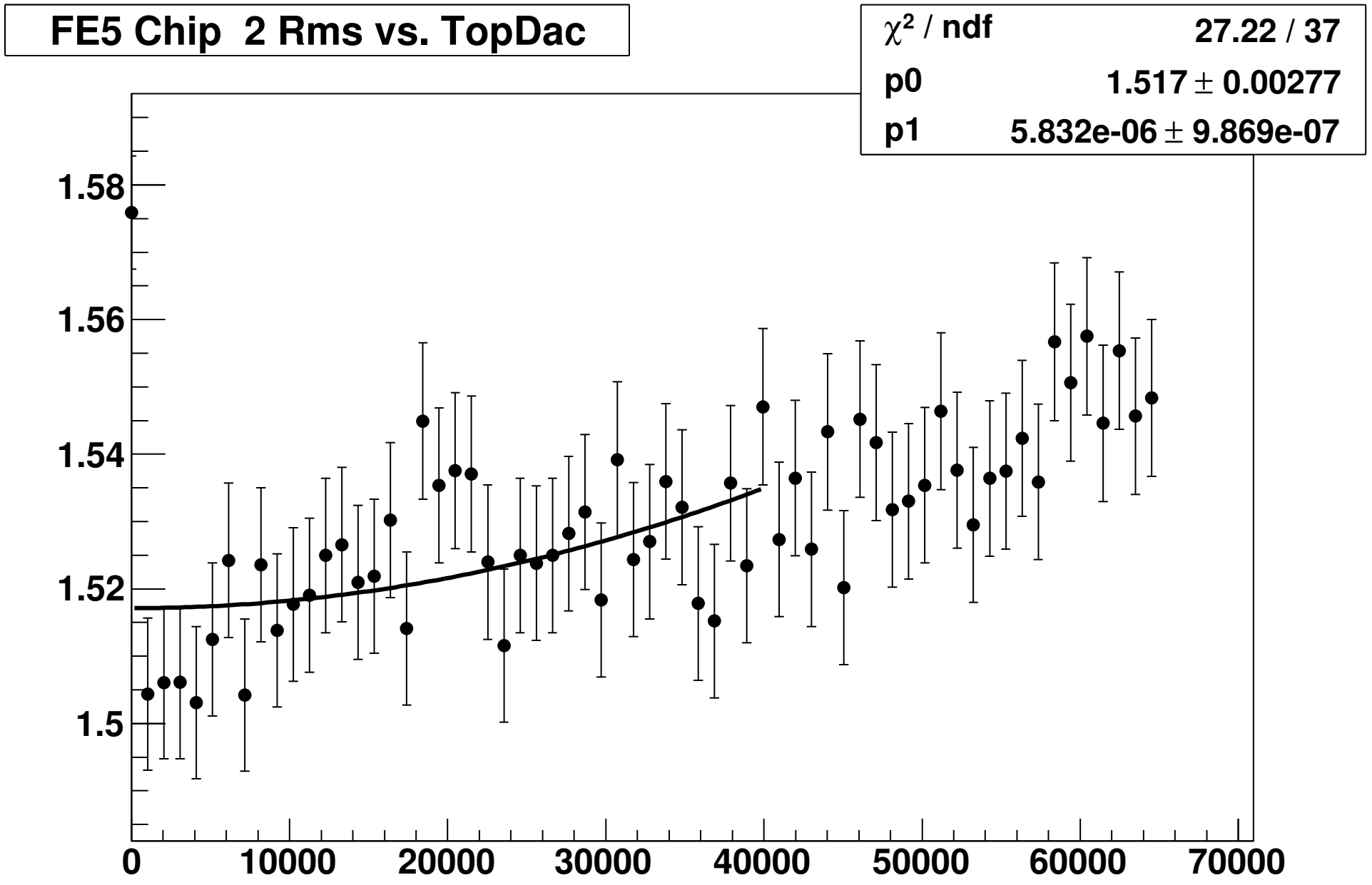

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 262.1 / 37
p0 79.11 ± 0.005017
p1 1.165e-05 ± 2.139e-07
80
79.8
79.6
79.4
79.2
79
0
10000
20000
30000
40000
50000
60000
70000

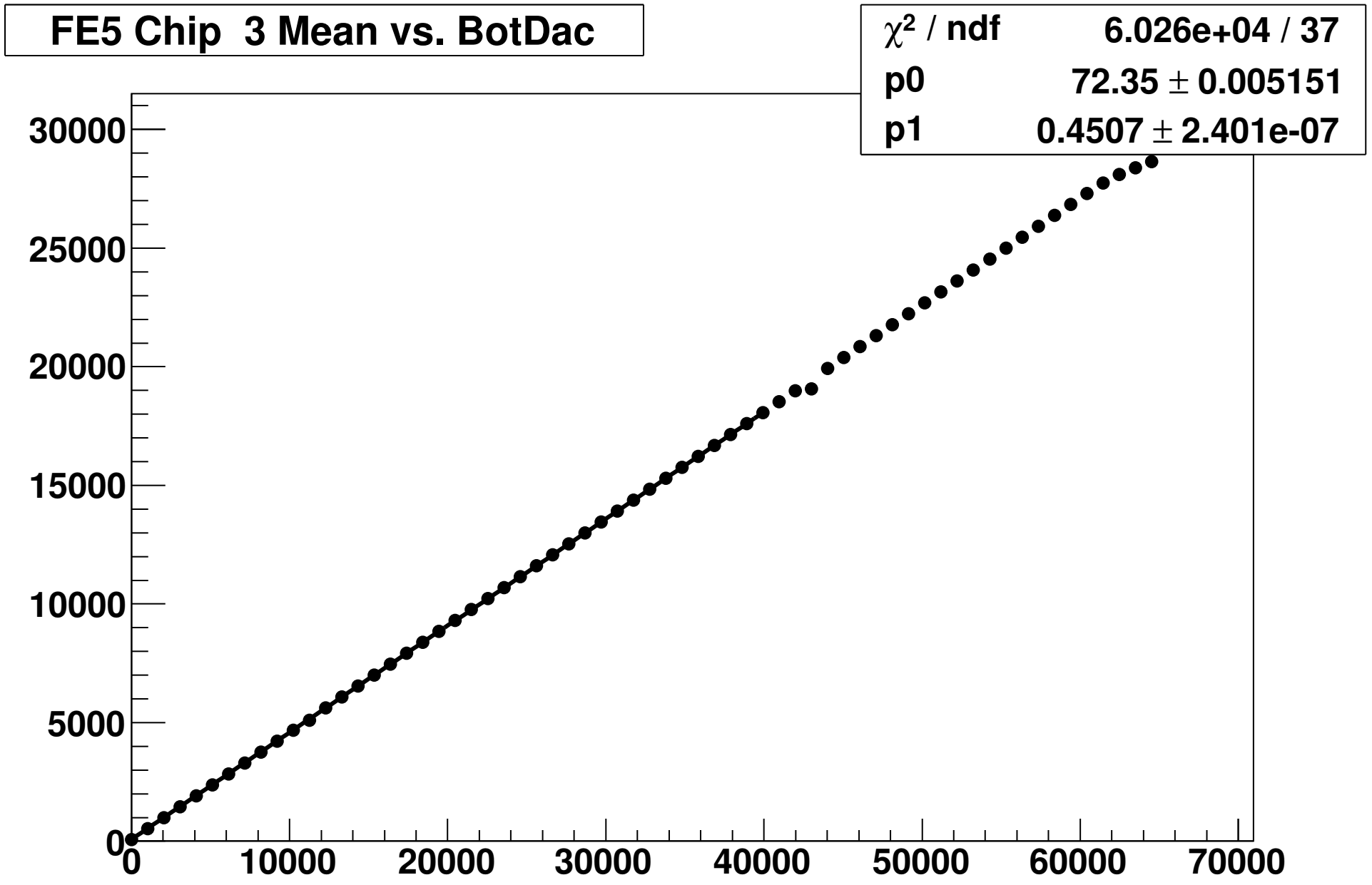

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 36.4 / 37
p0 1.45 ± 0.002646
p1 4.571e-06 ± 1.147e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

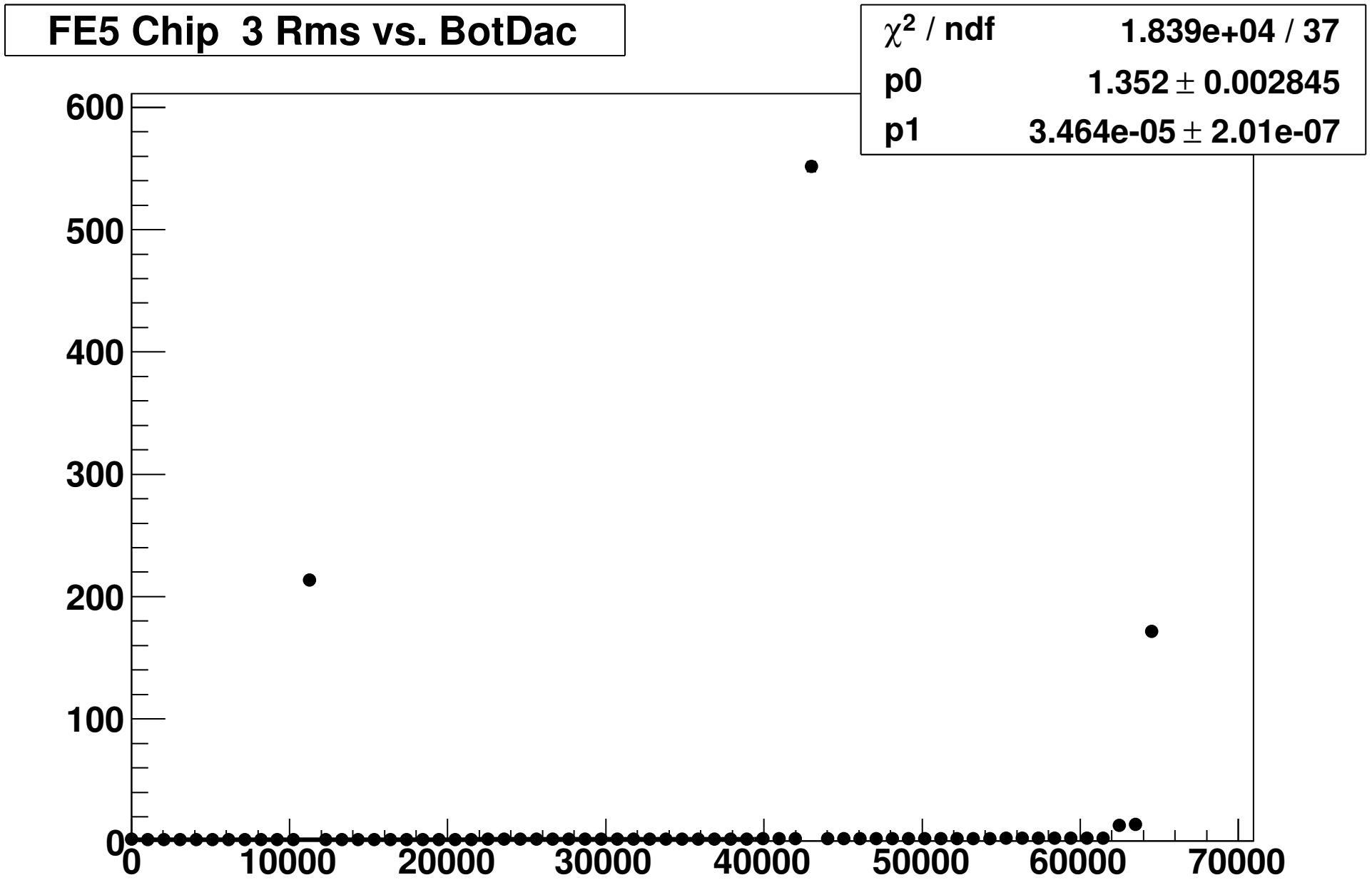

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 7.32e+04 / 37
p0 75.61 ± 0.00514
p1 0.4507 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

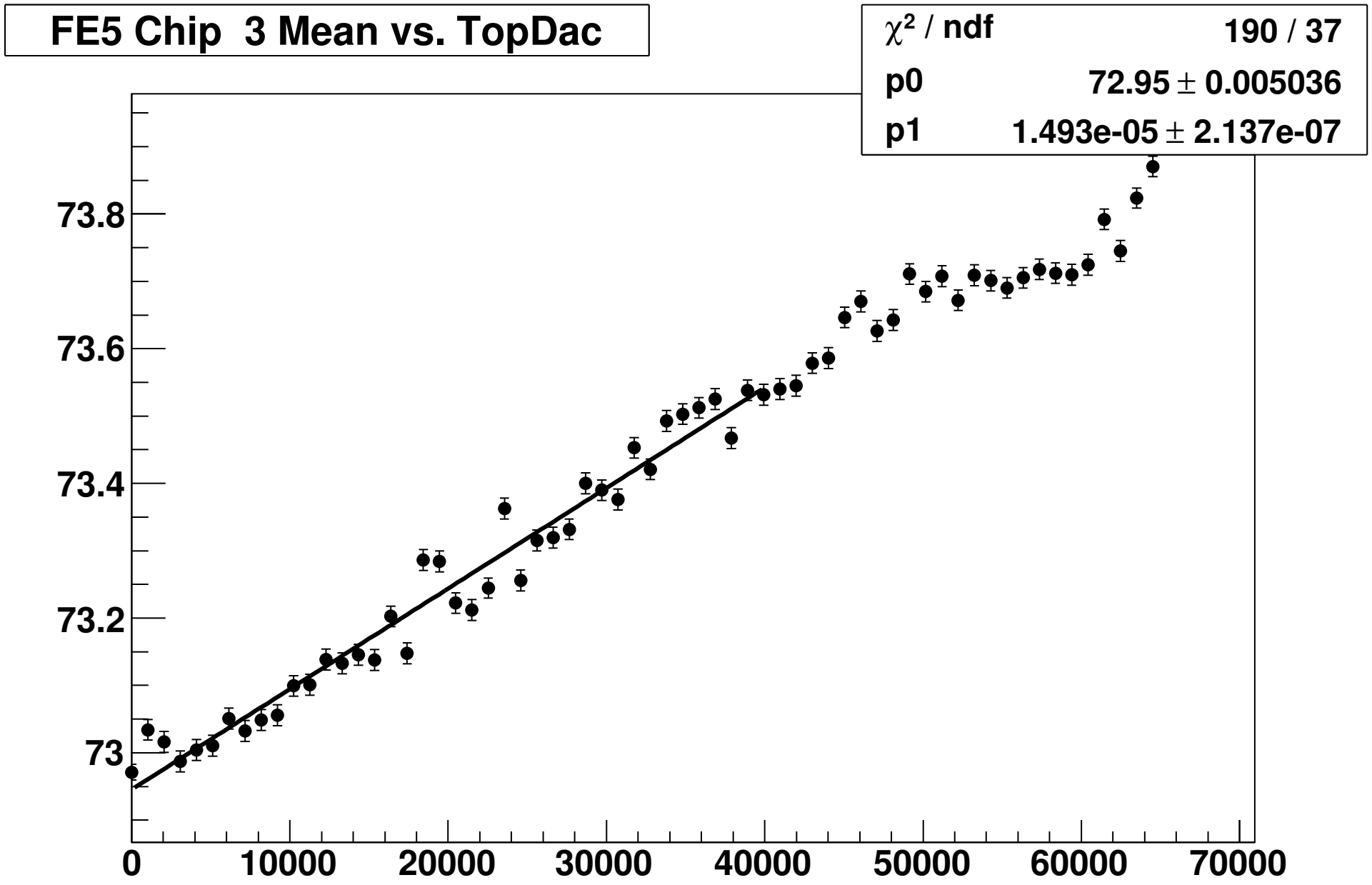

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 726.6 / 37
p0 1.375 ± 0.002814
p1 3.43e-05 ± 2.052e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

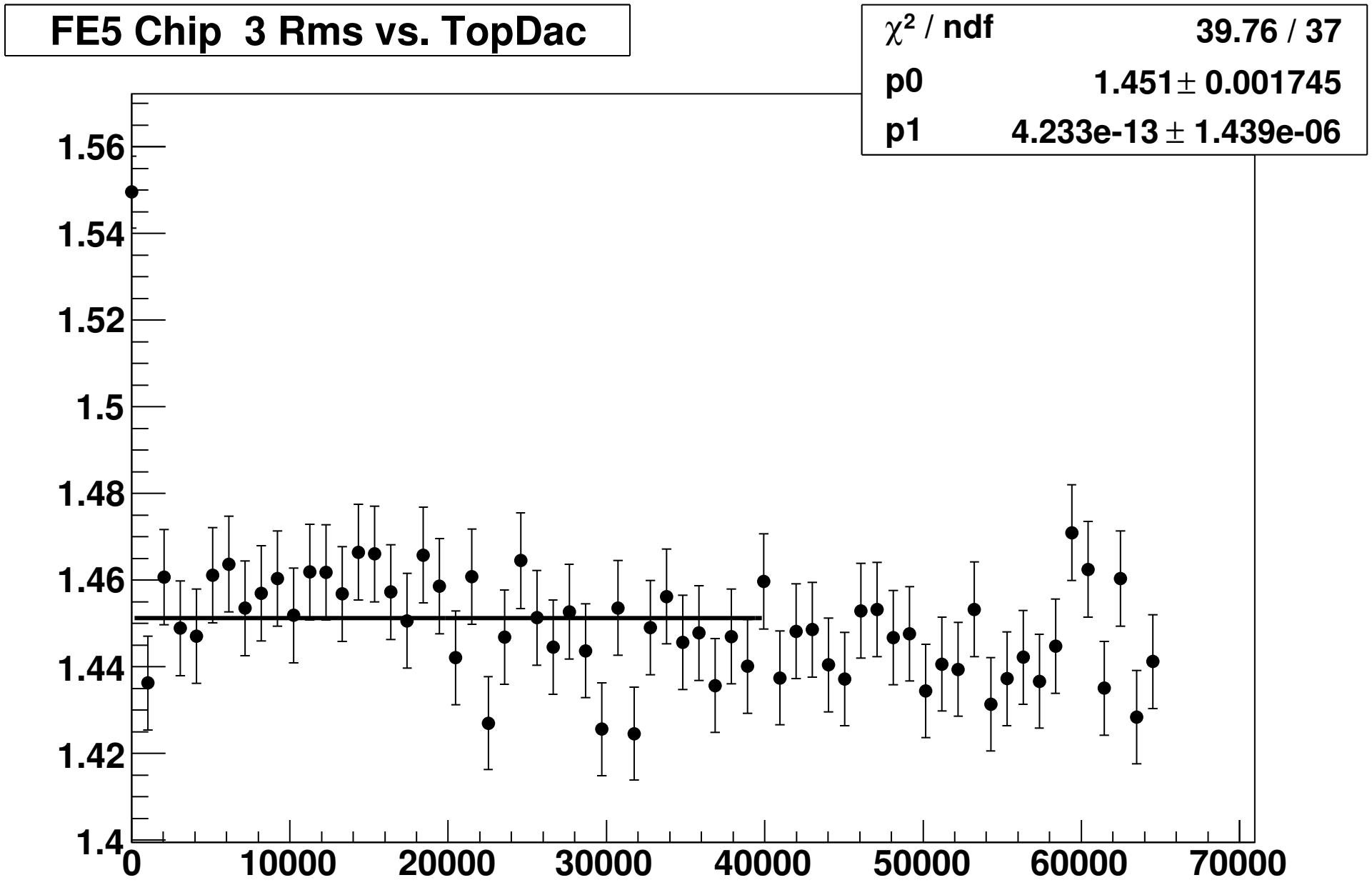

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 134.8 / 37
p0 75.85 ± 0.005249
p1 1.679e-05 ± 2.24e-07
76.8
76.6
76.4
76.2
76
75.8
0
10000
20000
30000
40000
50000
60000
70000

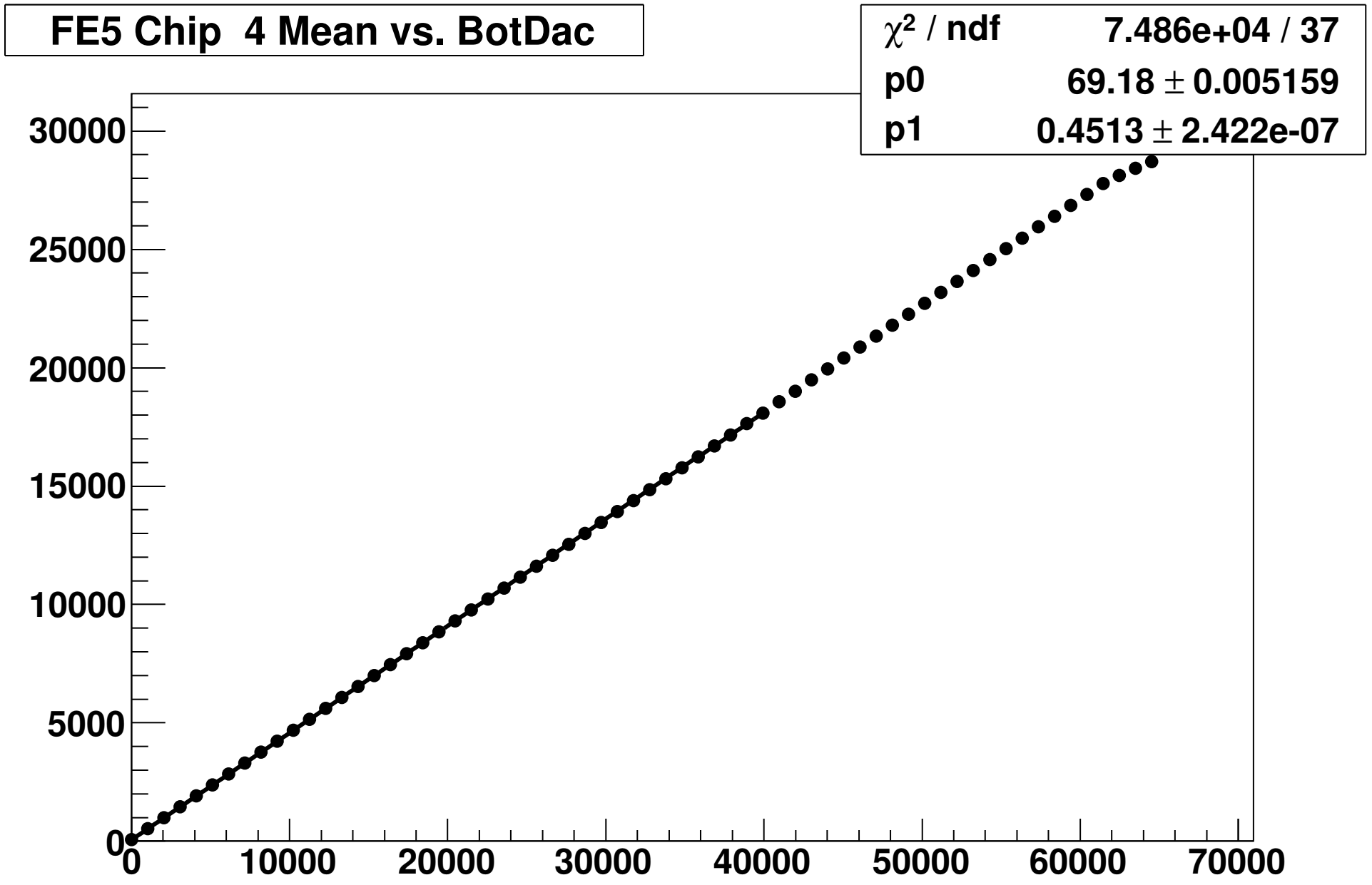

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 27.22 / 37
p0 1.517 ± 0.00277
p1 5.832e-06 ± 9.869e-07
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

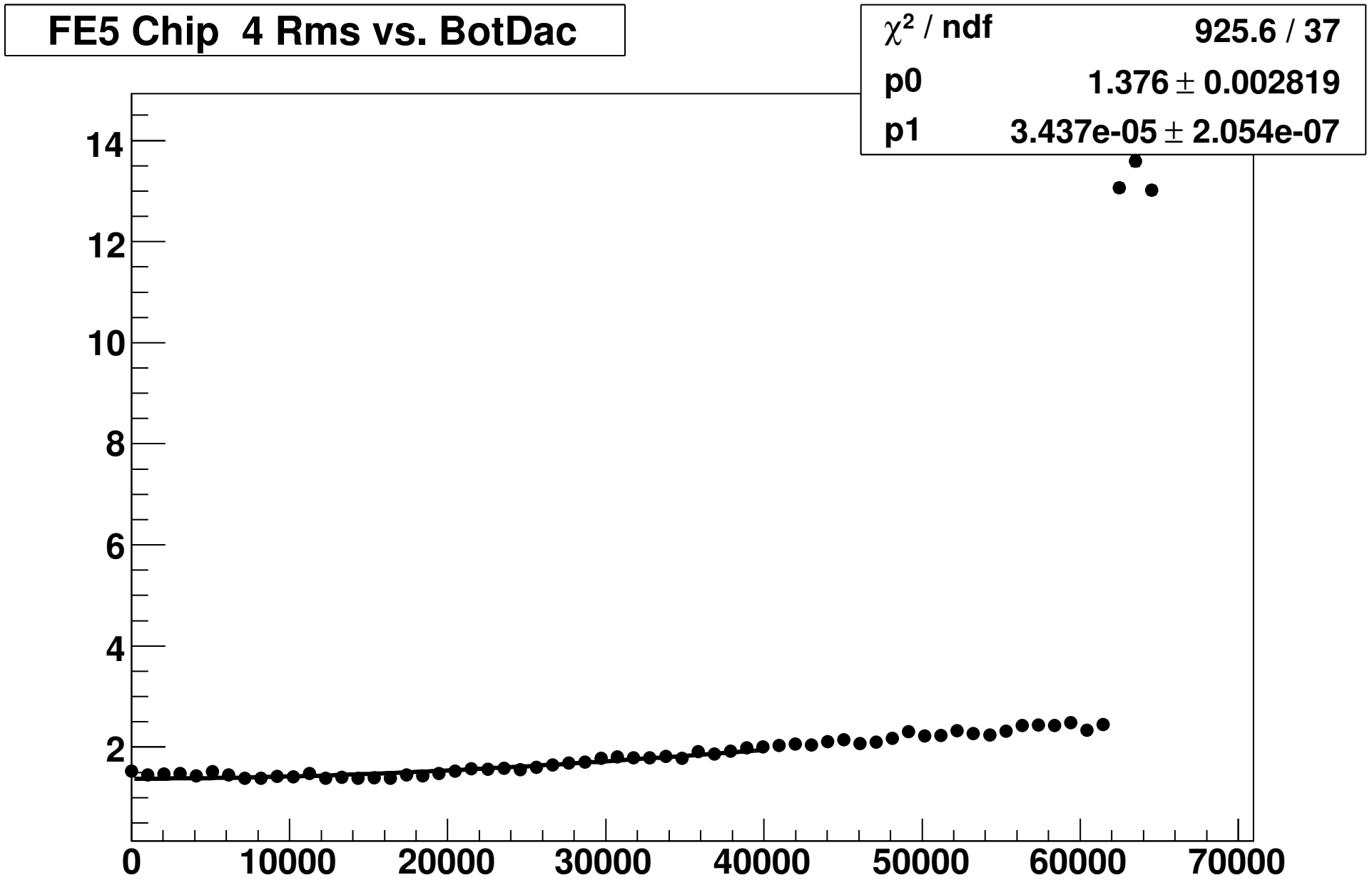

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 6.026e+04 / 37
p0 72.35 ± 0.005151
p1 0.4507 ± 2.401e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

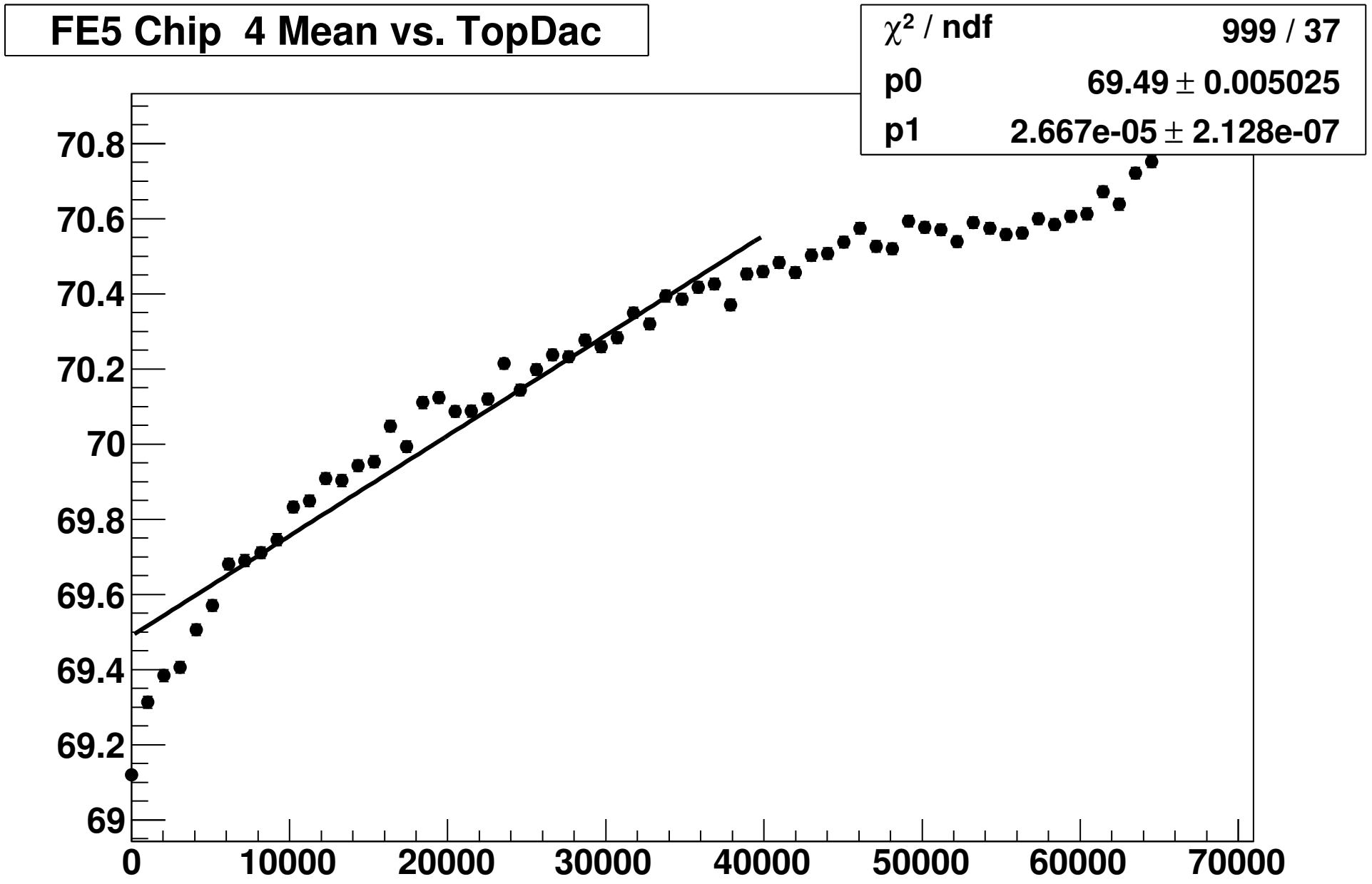

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1.839e+04 / 37
p0 1.352 ± 0.002845
p1 3.464e-05 ± 2.01e-07
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

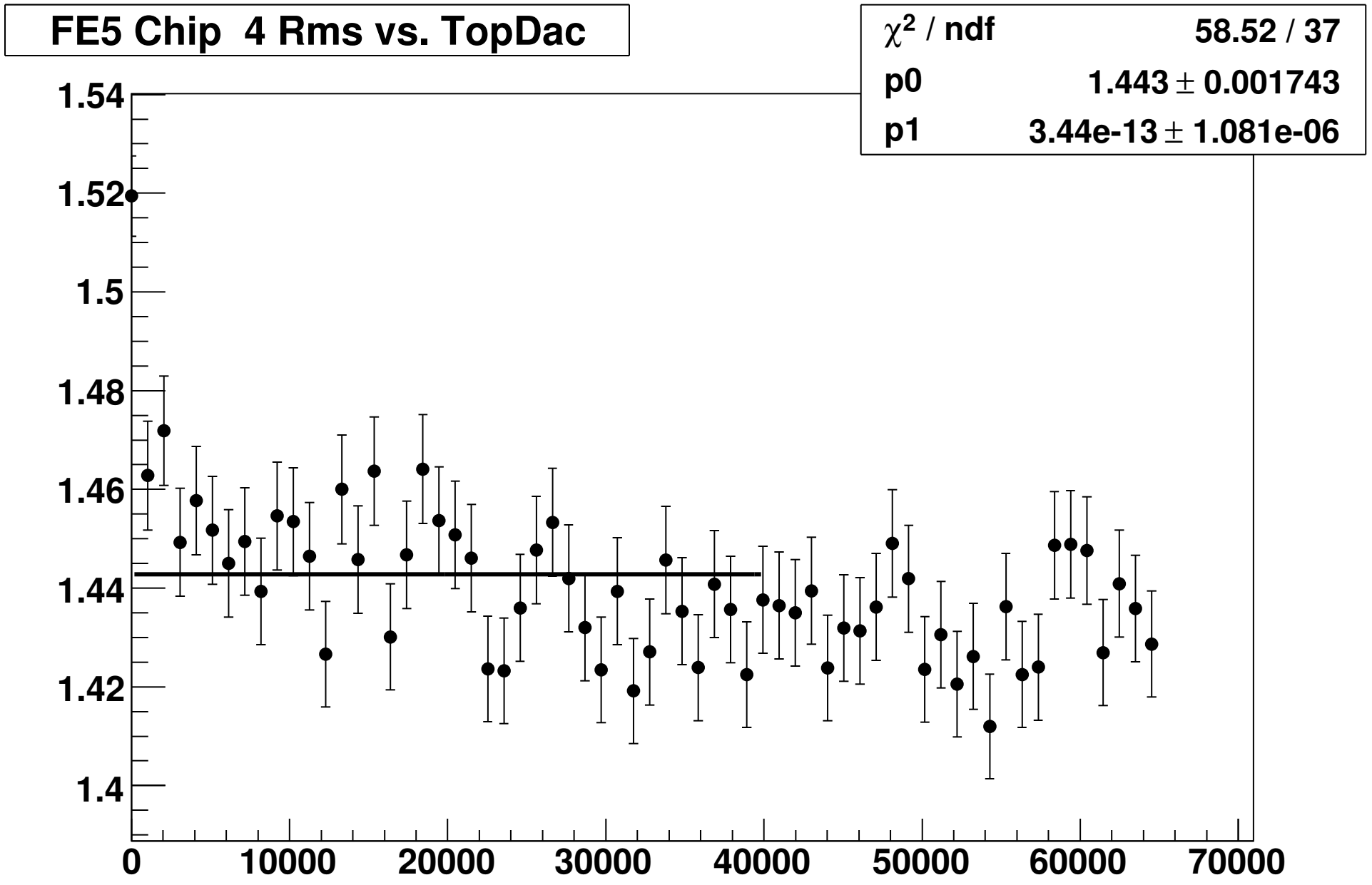

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 190 / 37
p0 72.95 ± 0.005036
p1 1.493e-05 ± 2.137e-07
73.8
73.6
73.4
73.2
73
0
10000
20000
30000
40000
50000
60000
70000

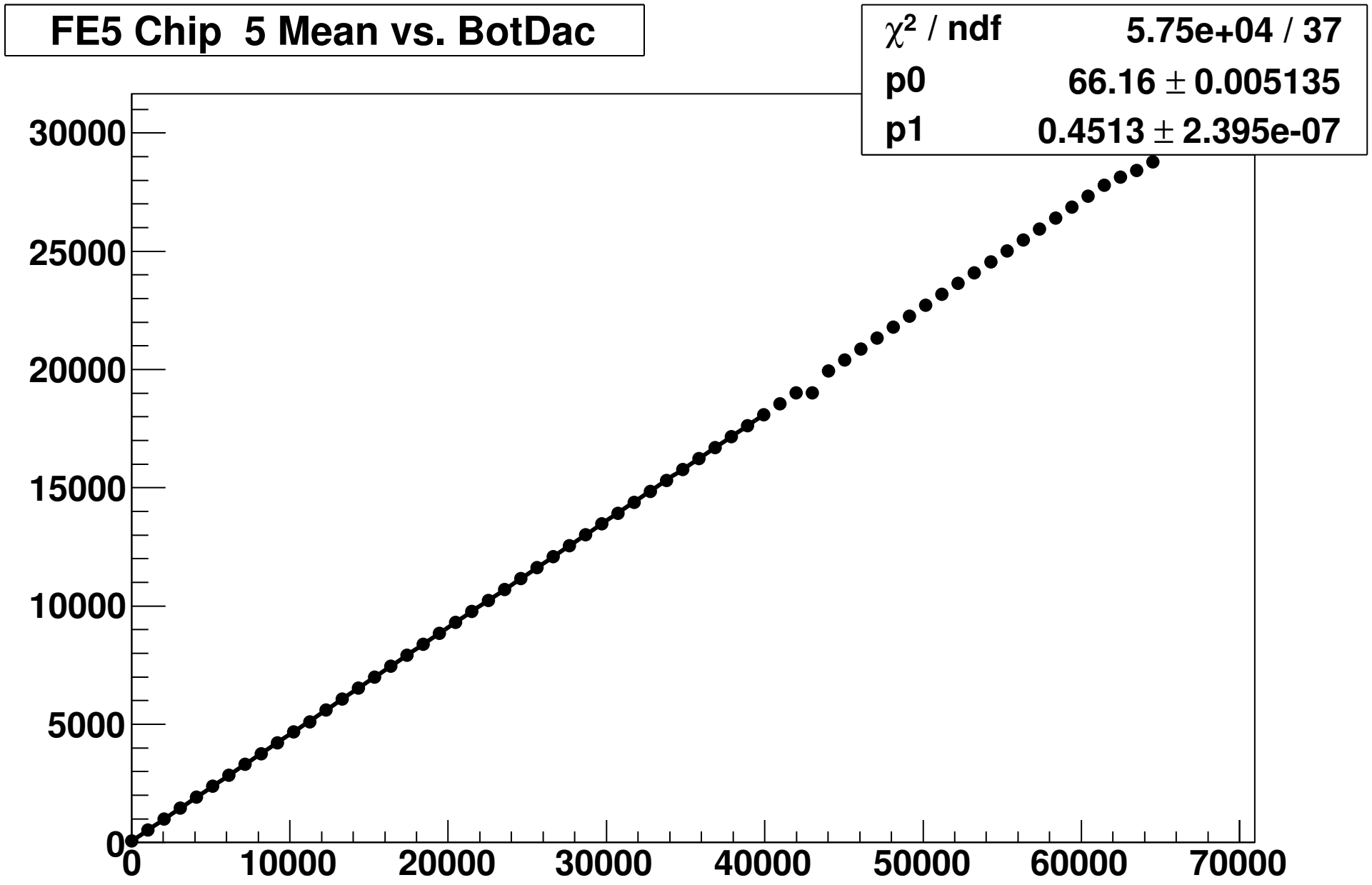

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 39.76 / 37
p0 1.451 ± 0.001745
p1 4.233e-13 ± 1.439e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

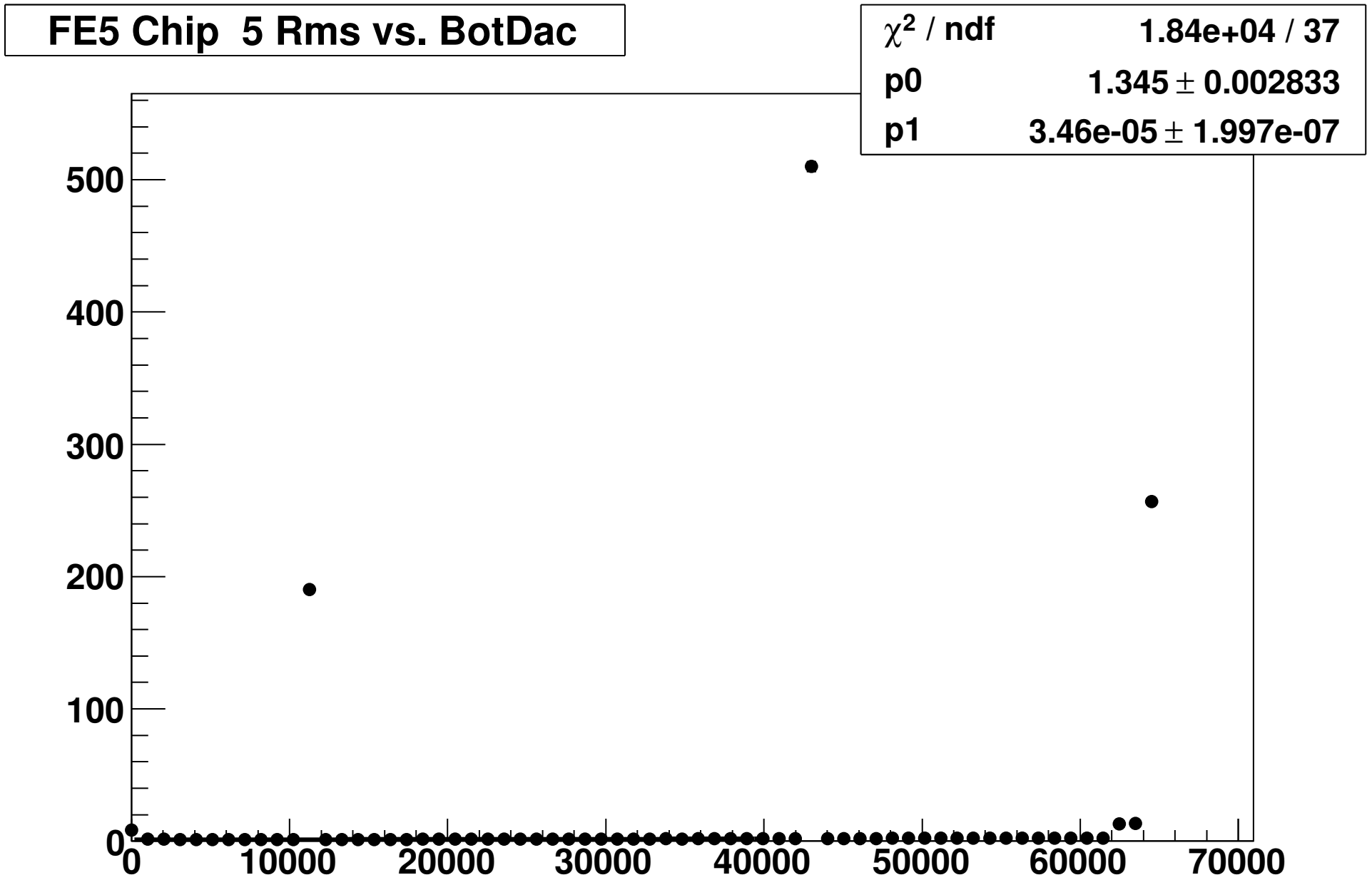

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 7.486e+04 / 37
p0 69.18 ± 0.005159
p1 0.4513 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

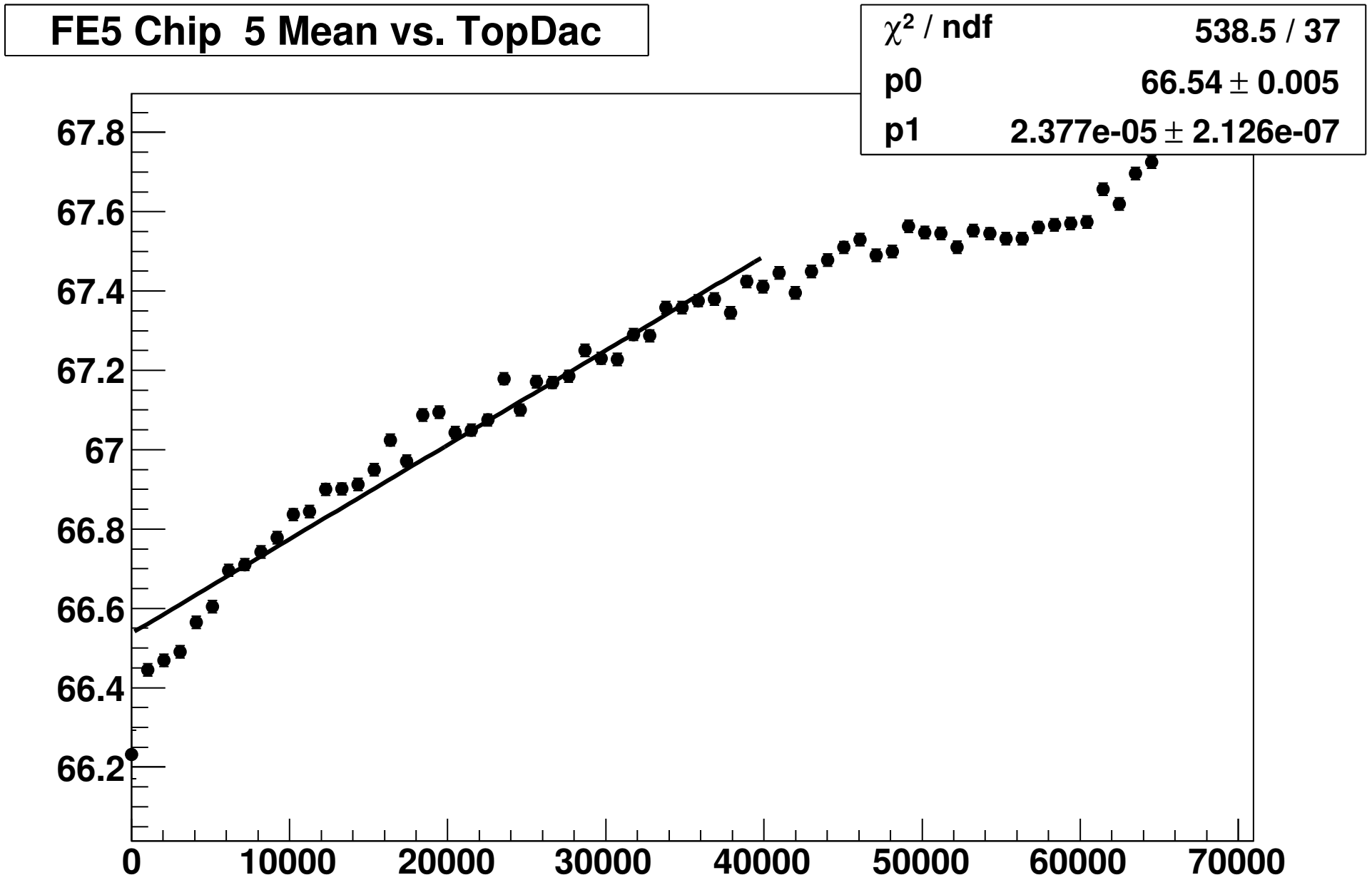

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 925.6 / 37
p0 1.376 ± 0.002819
p1 3.437e-05 ± 2.054e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

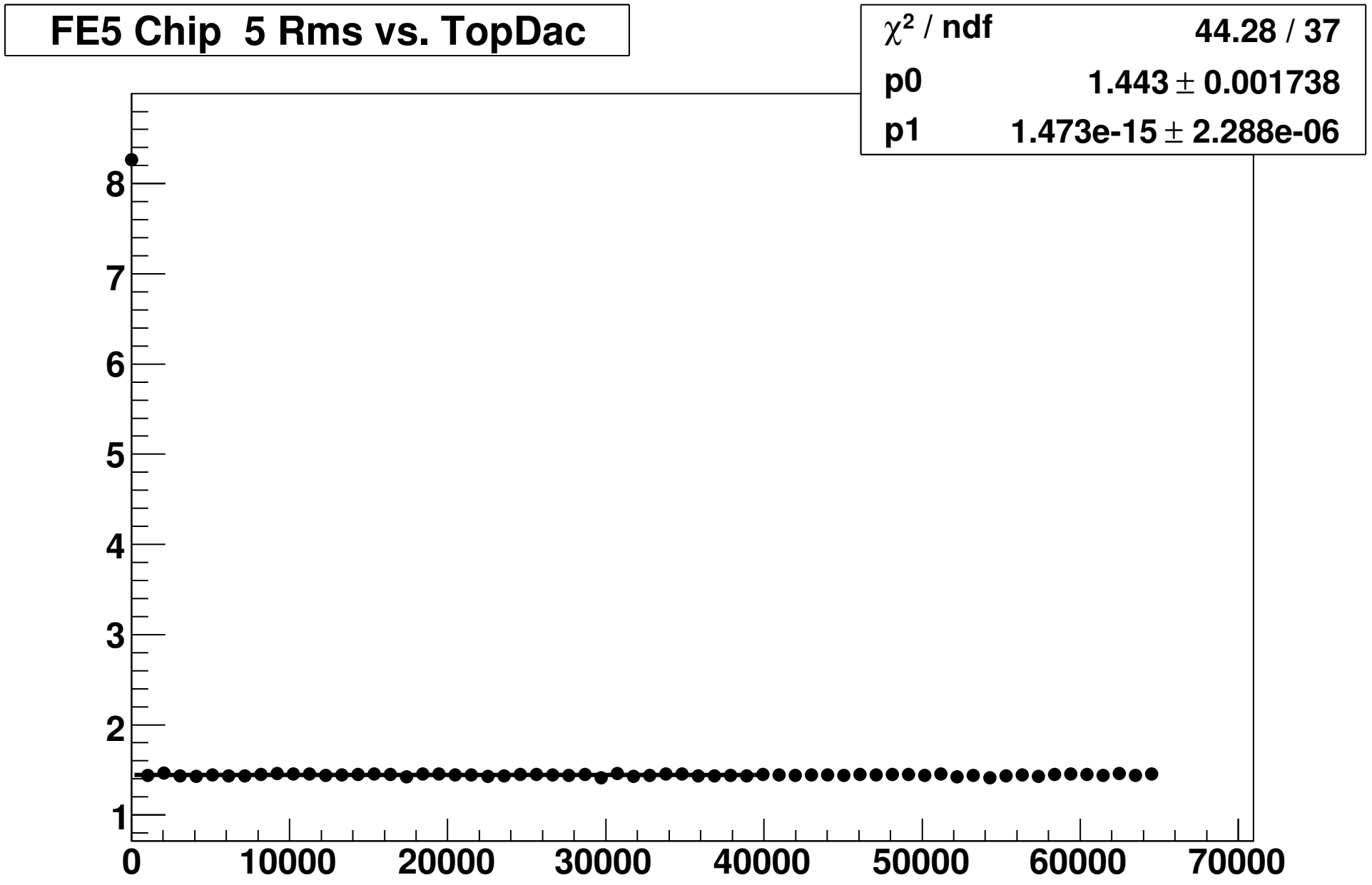

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 999 / 37
p0 69.49 ± 0.005025
p1 2.667e-05 ± 2.128e-07
70.8
70.6
70.4
70.2
70
69.8
69.6
69.4
69.2
69
0
10000
20000
30000
40000
50000
60000
70000

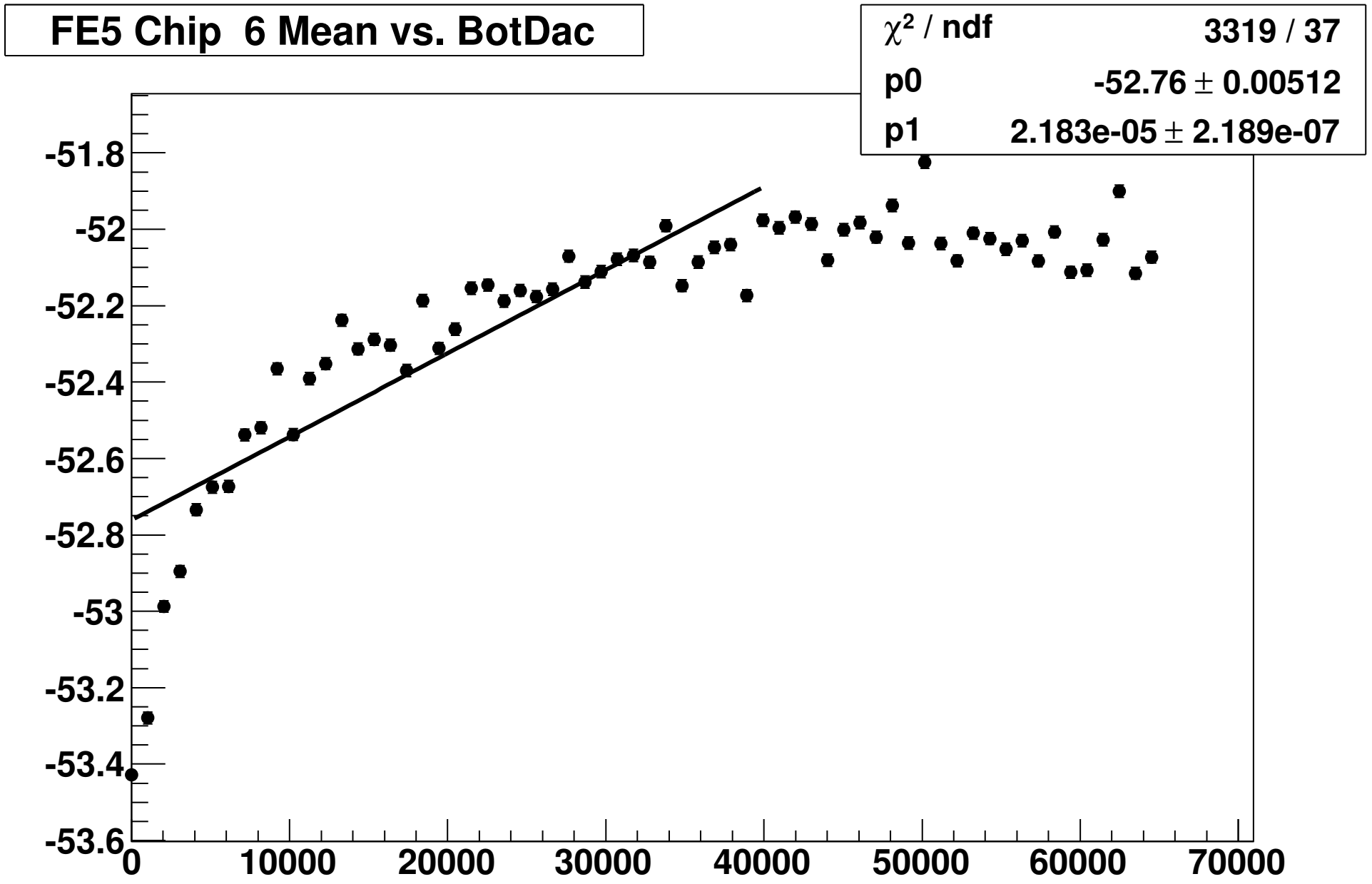

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 58.52 / 37
p0 1.443 ± 0.001743
p1 3.44e-13 ± 1.081e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

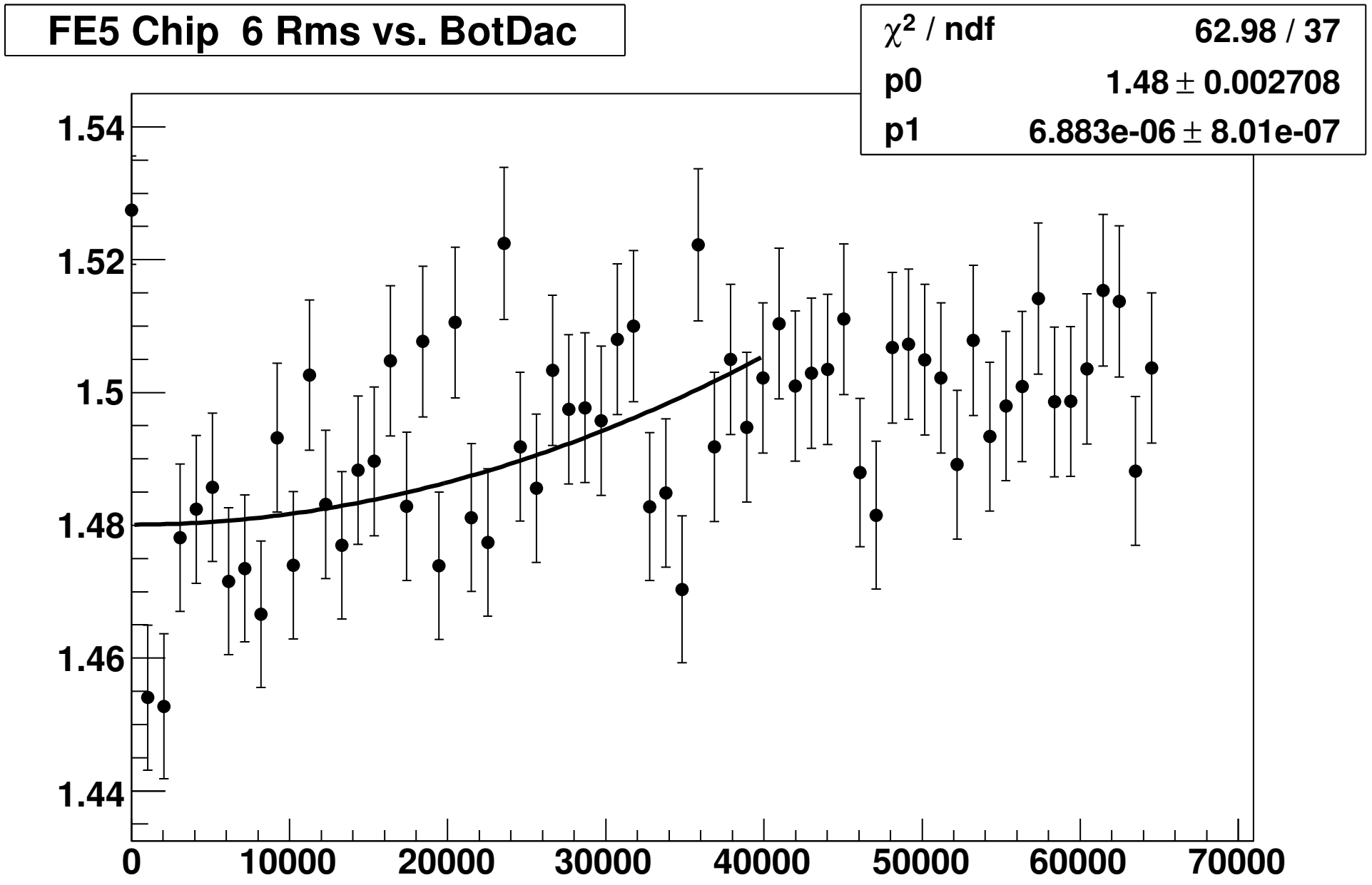

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 5.75e+04 / 37
p0 66.16 ± 0.005135
p1 0.4513 ± 2.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 1.84e+04 / 37
p0 1.345 ± 0.002833
p1 3.46e-05 ± 1.997e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 538.5 / 37
p0 66.54 ± 0.005
p1 2.377e-05 ± 2.126e-07
67.8
67.6
67.4
67.2
67
66.8
66.6
66.4
66.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 44.28 / 37
p0 1.443 ± 0.001738
p1 1.473e-15 ± 2.288e-06
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 3319 / 37
p0 -52.76 ± 0.00512
p1 2.183e-05 ± 2.189e-07
-51.8
-52
-52.2
-52.4
-52.6
-52.8
-53
-53.2
-53.4
-53.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 62.98 / 37
p0 1.48 ± 0.002708
p1 6.883e-06 ± 8.01e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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50000
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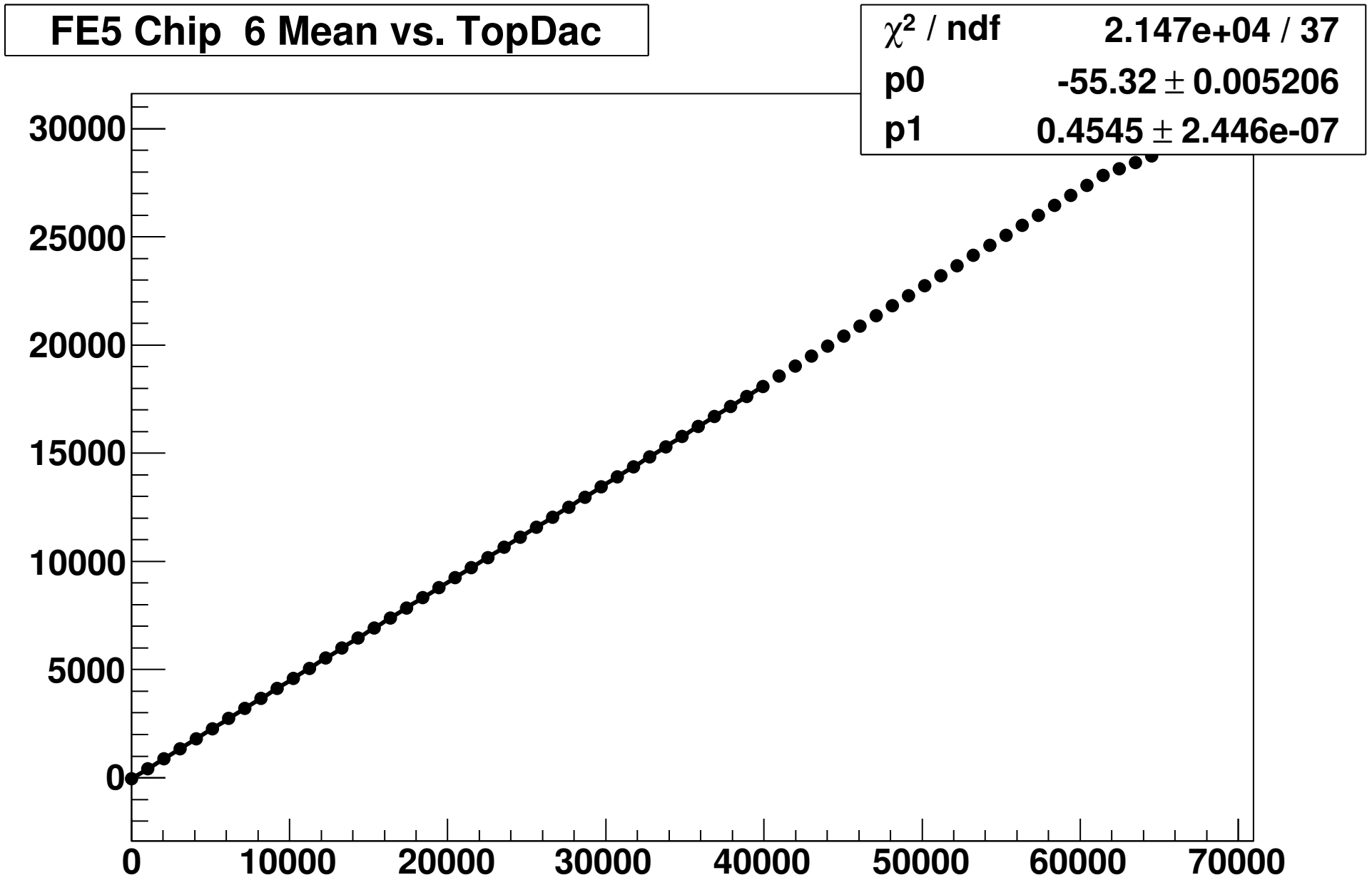
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 2.147e+04 / 37
p0 -55.32 ± 0.005206
p1 0.4545 ± 2.446e-07
30000
25000
20000
15000
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5000
0
0
10000
20000
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40000
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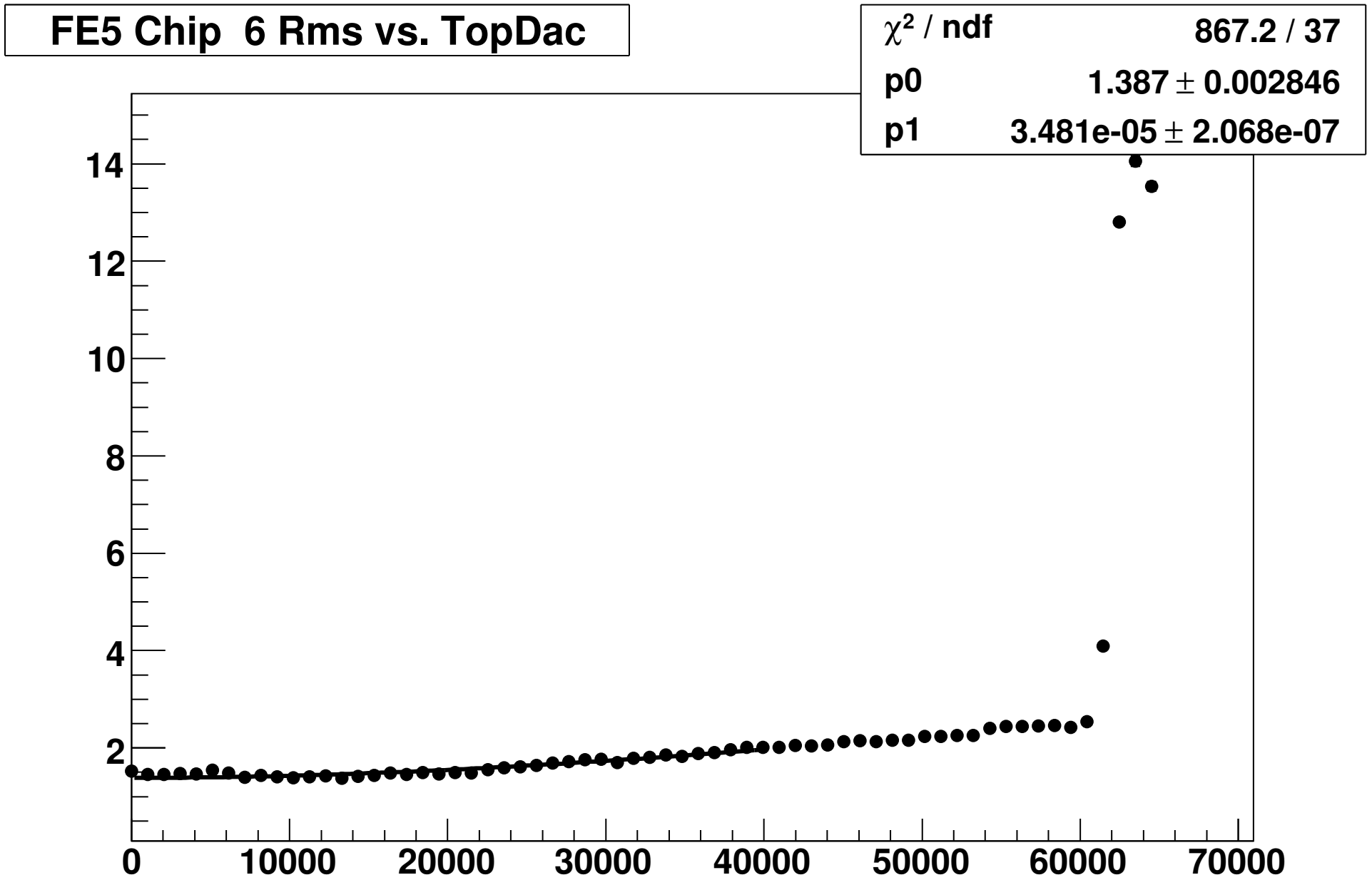
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 867.2 / 37
p0 1.387 ± 0.002846
p1 3.481e-05 ± 2.068e-07
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12
10
8
6
4
2
0
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20000
30000
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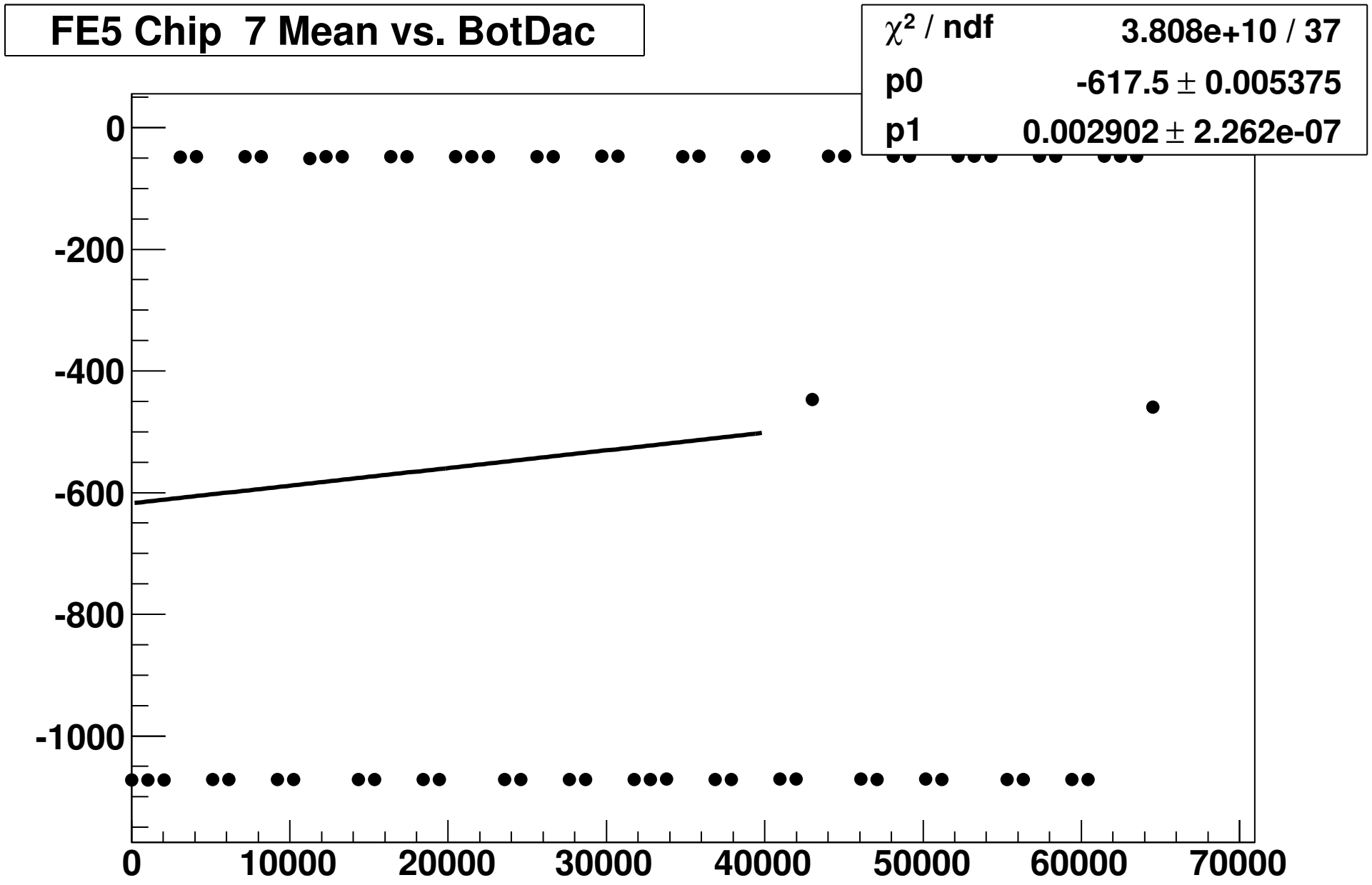
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 3.808e+10 / 37
p0 -617.5 ± 0.005375
p1 0.002902 ± 2.262e-07
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-200
-400
-600
-800
-1000
0
10000
20000
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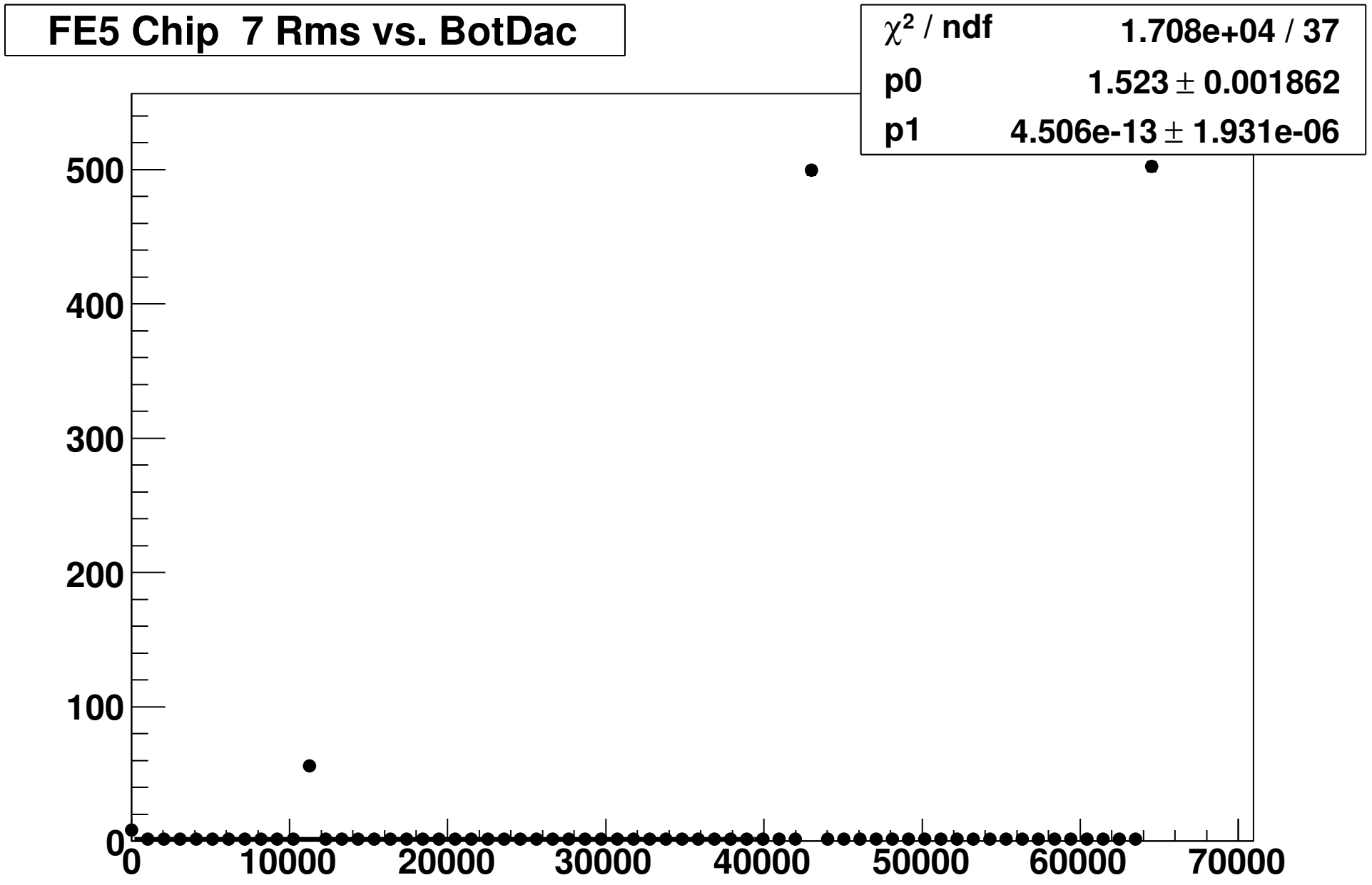
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 1.708e+04 / 37
p0 1.523 ± 0.001862
p1 4.506e-13 ± 1.931e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
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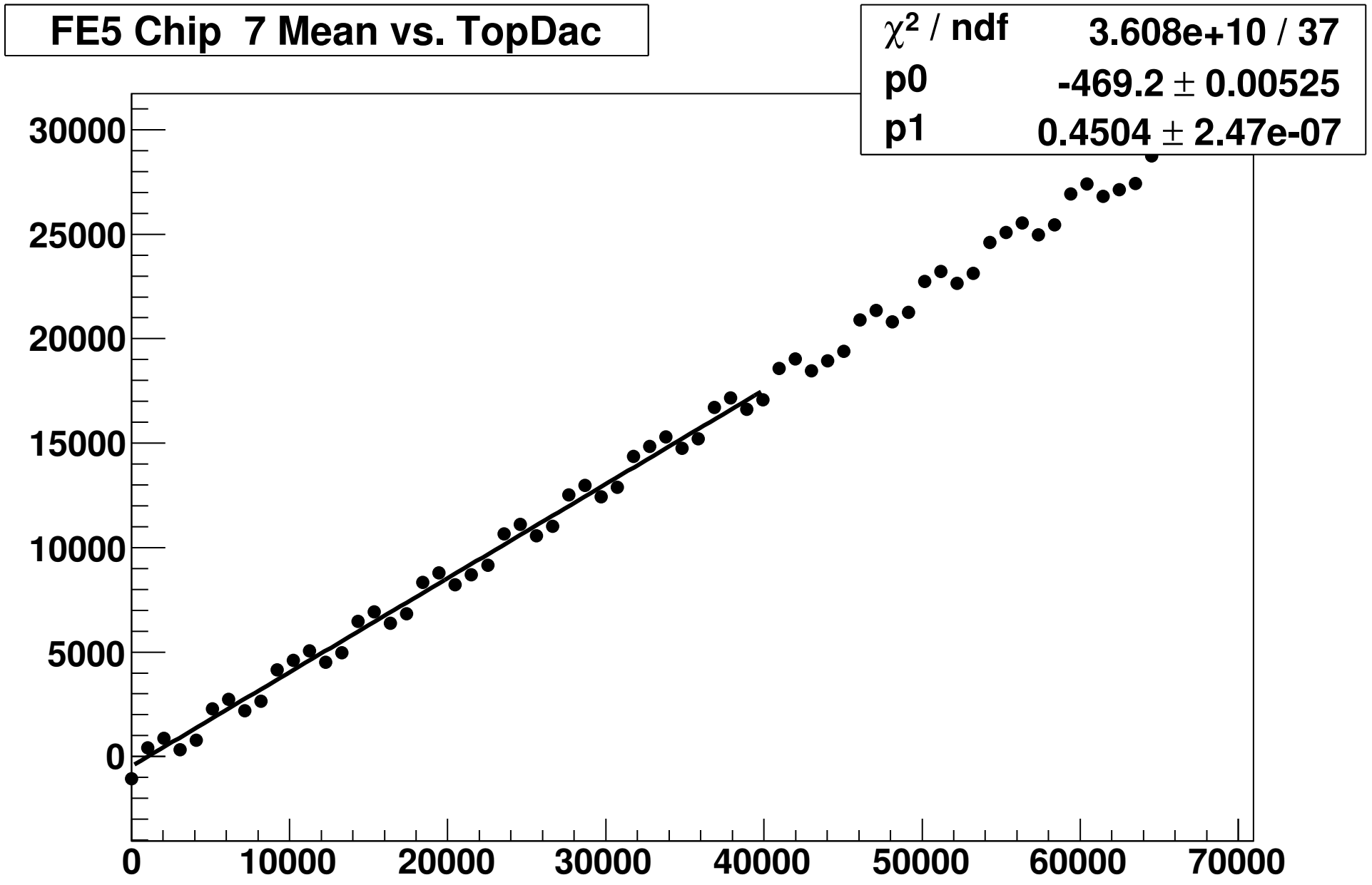
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 3.608e+10 / 37
p0 -469.2 ± 0.00525
p1 0.4504 ± 2.47e-07
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20000
15000
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5000
0
0
10000
20000
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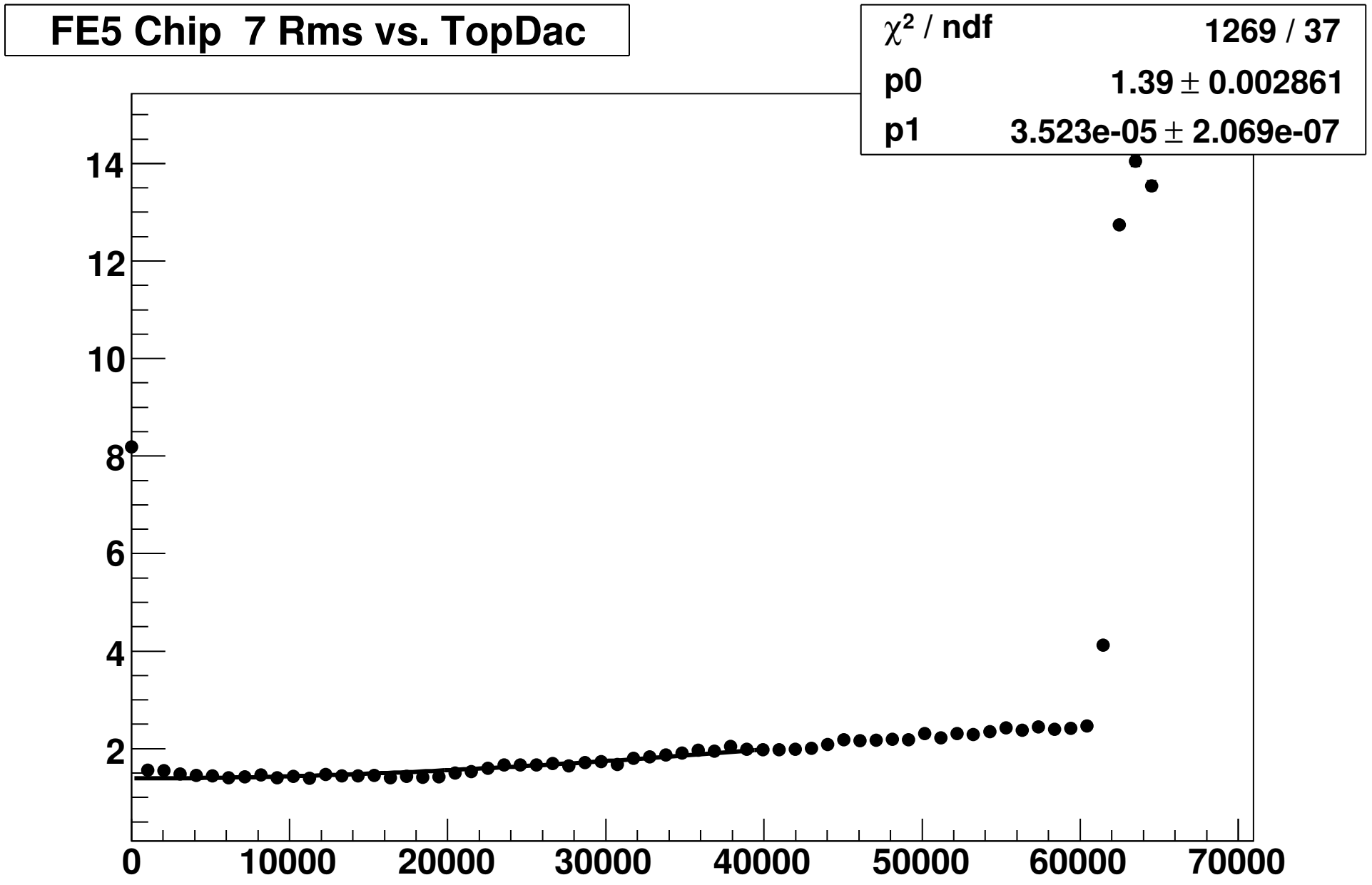
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1269 / 37
p0 1.39 ± 0.002861
p1 3.523e-05 ± 2.069e-07
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12
10
8
6
4
2
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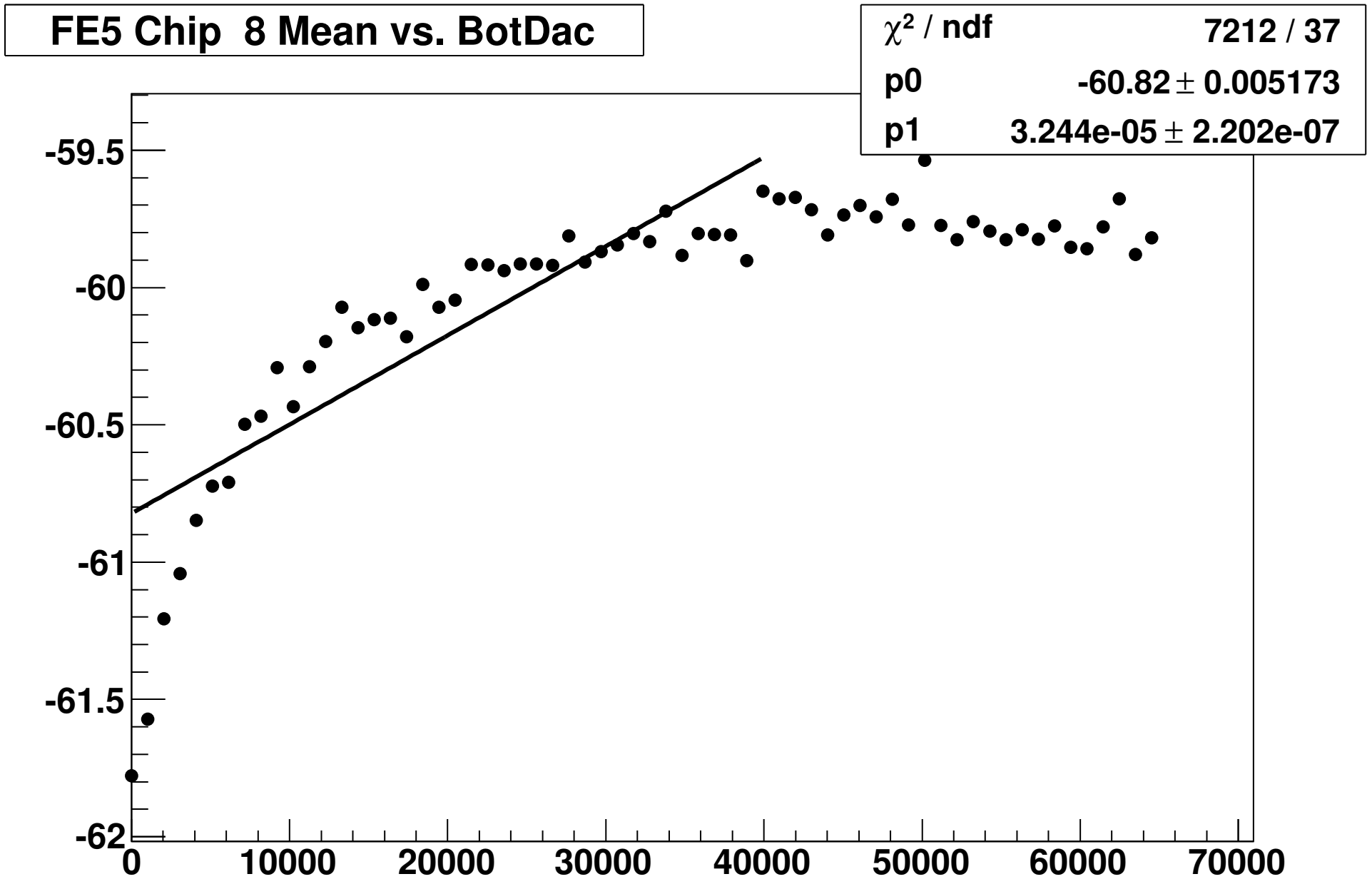
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 7212 / 37
p0 -60.82 ± 0.005173
p1 3.244e-05 ± 2.202e-07
-59.5
-60
-60.5
-61
-61.5
-62
0
10000
20000
30000
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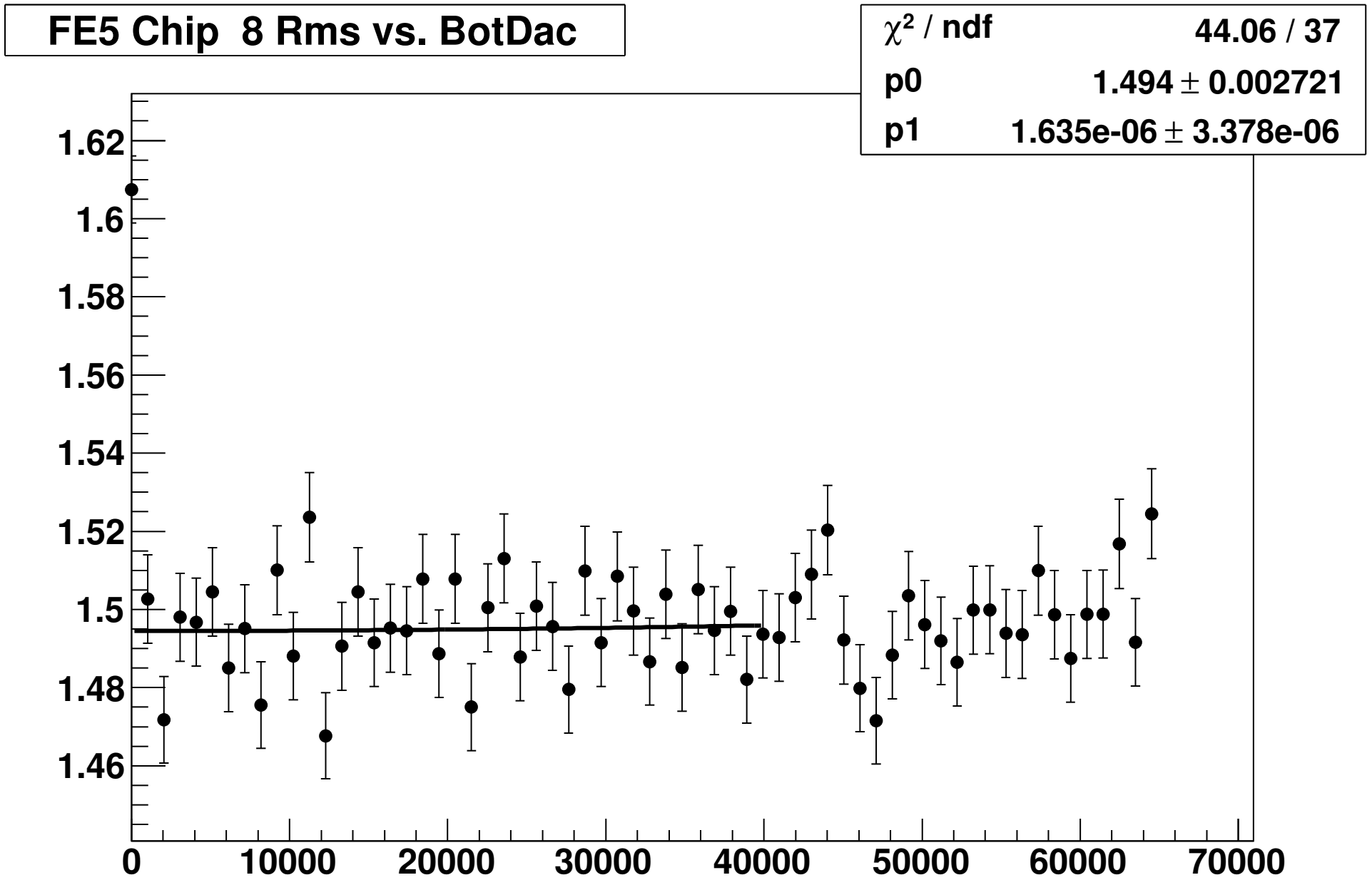
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 44.06 / 37
p0 1.494 ± 0.002721
p1 1.635e-06 ± 3.378e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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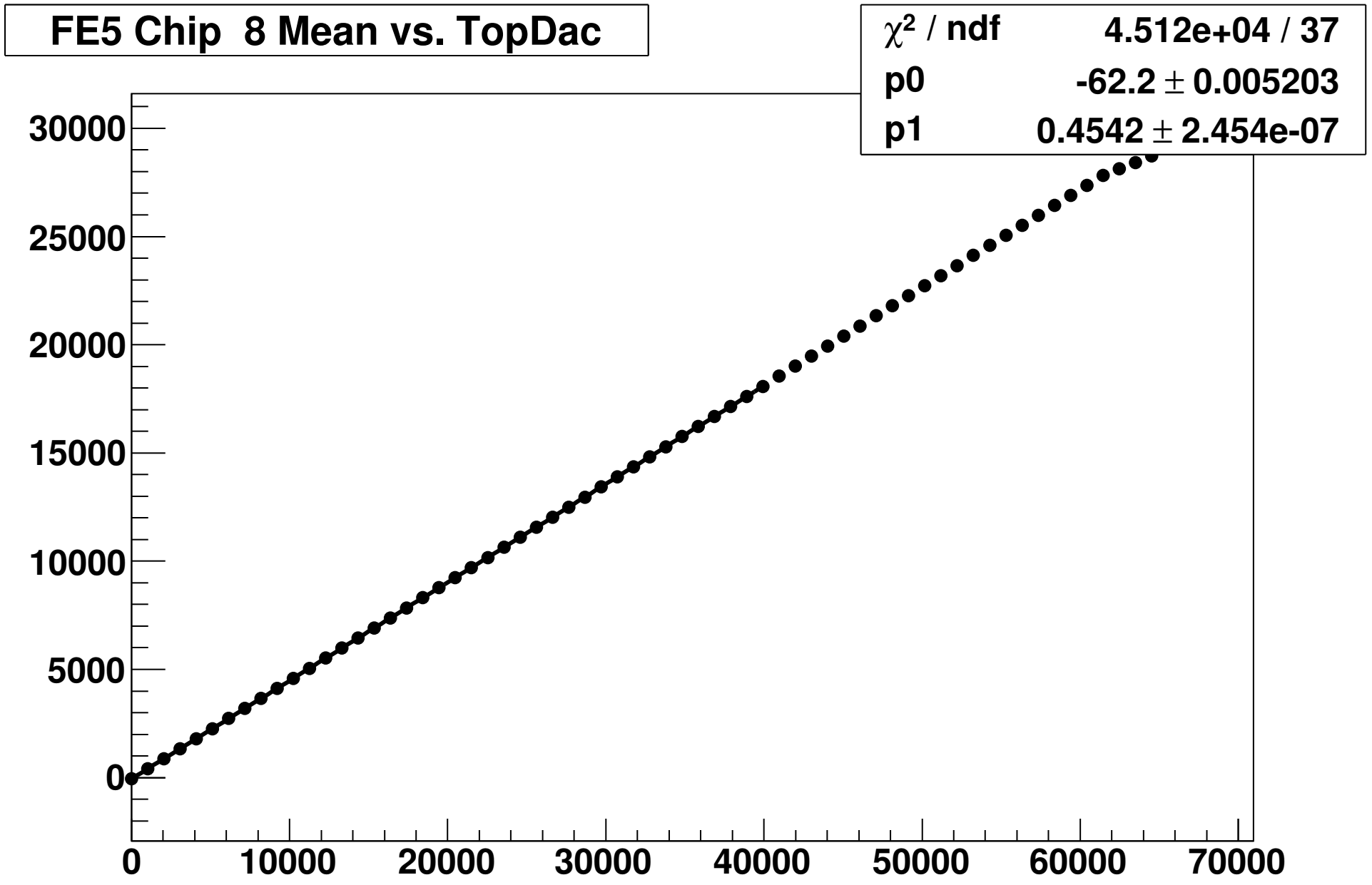
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 4.512e+04 / 37
p0 -62.2 ± 0.005203
p1 0.4542 ± 2.454e-07
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20000
15000
10000
5000
0
0
10000
20000
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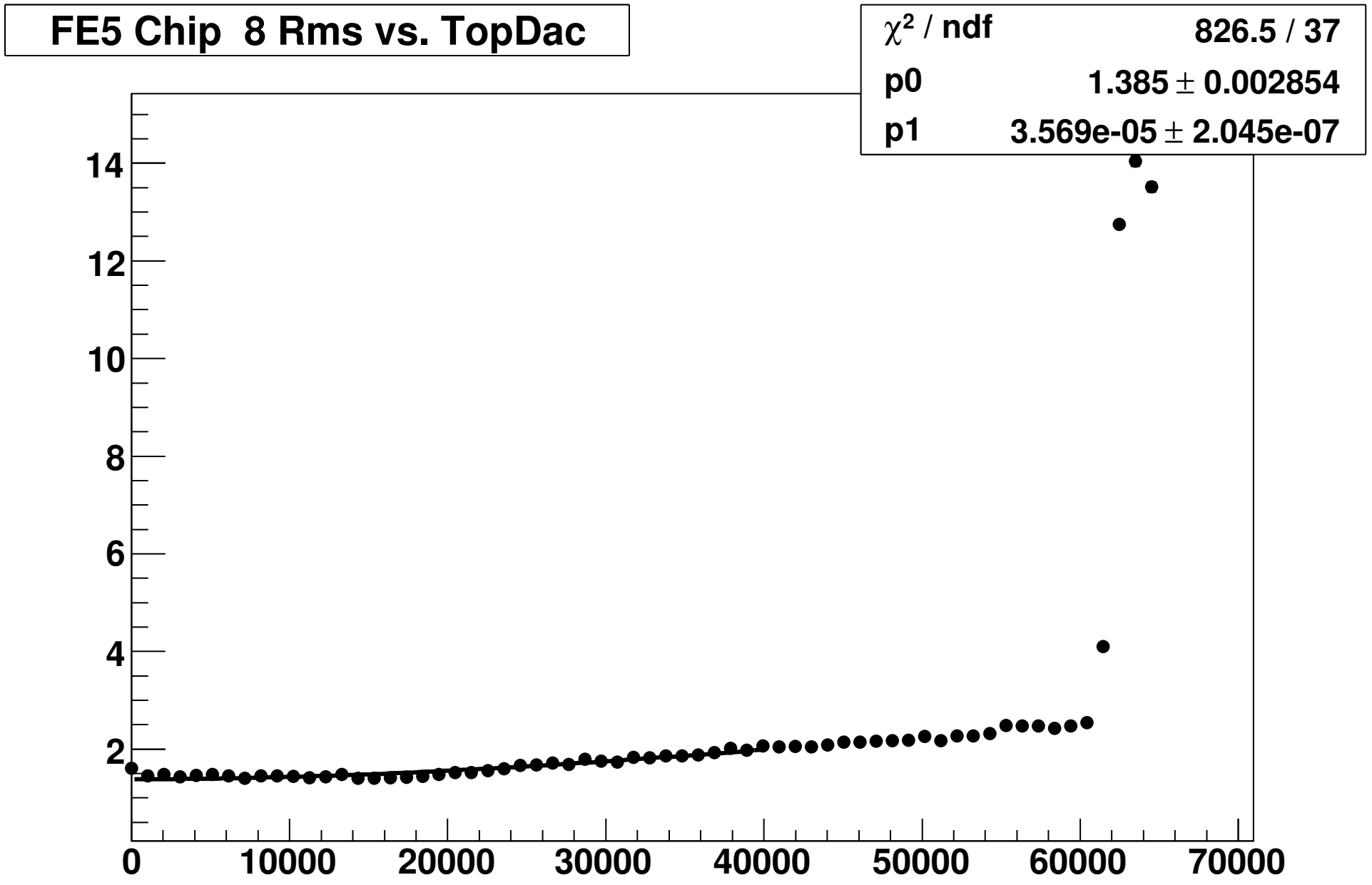
FE5 Chip 8 Rms vs. TopDac
χ² / ndf 826.5 / 37
p0 1.385 ± 0.002854
p1 3.569e-05 ± 2.045e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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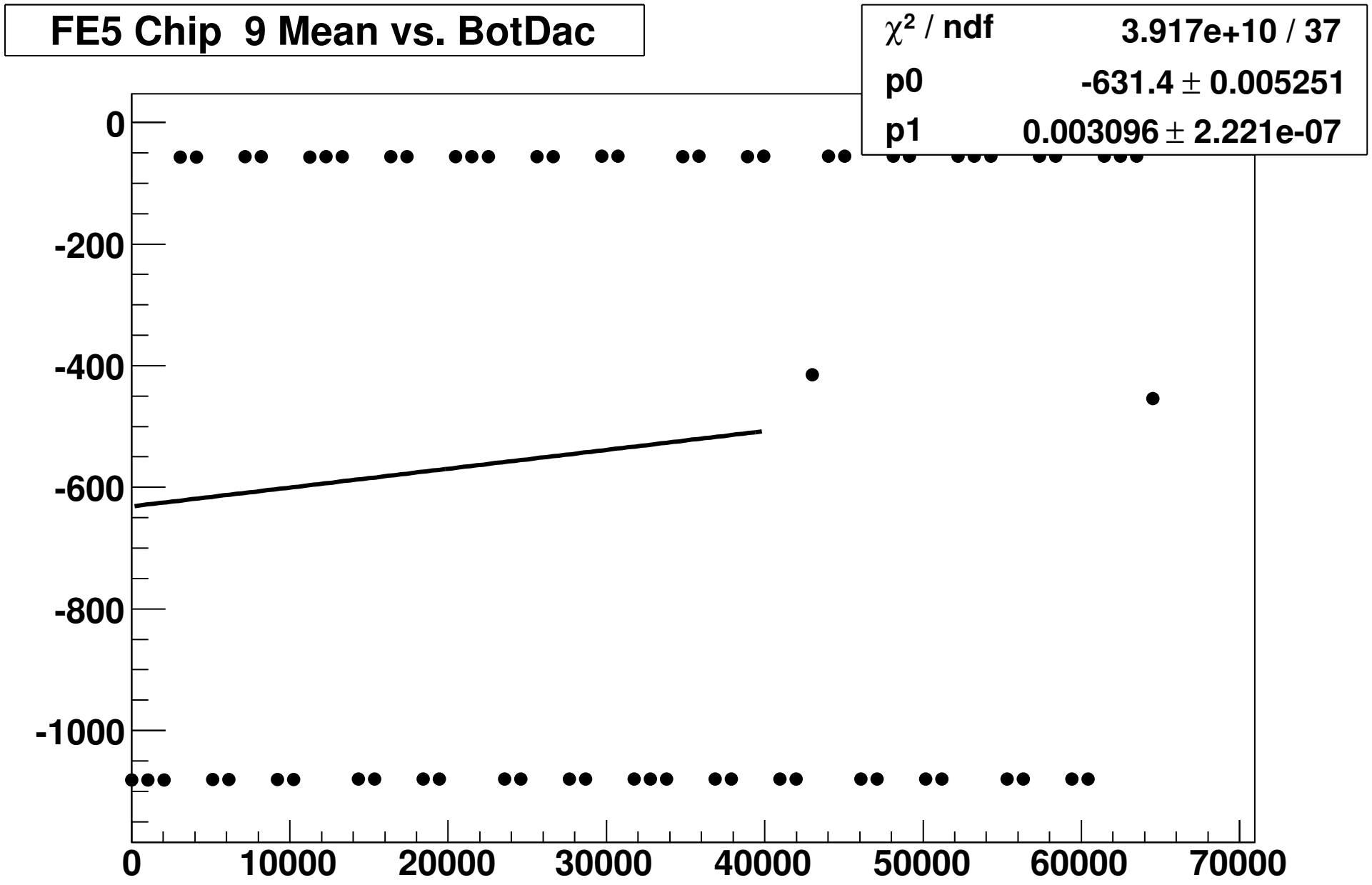
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 3.917e+10 / 37
p0 -631.4 ± 0.005251
p1 0.003096 ± 2.221e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
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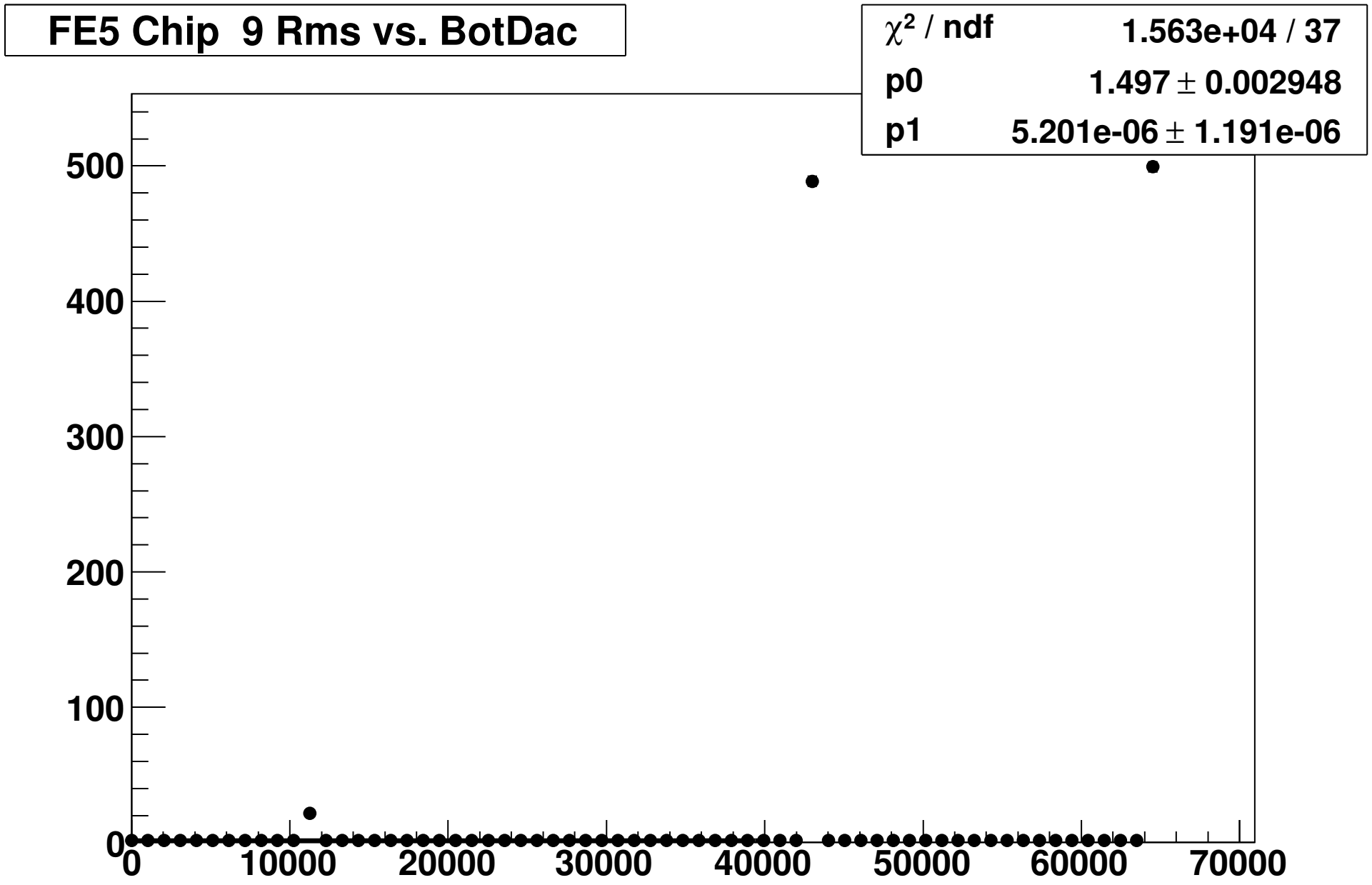
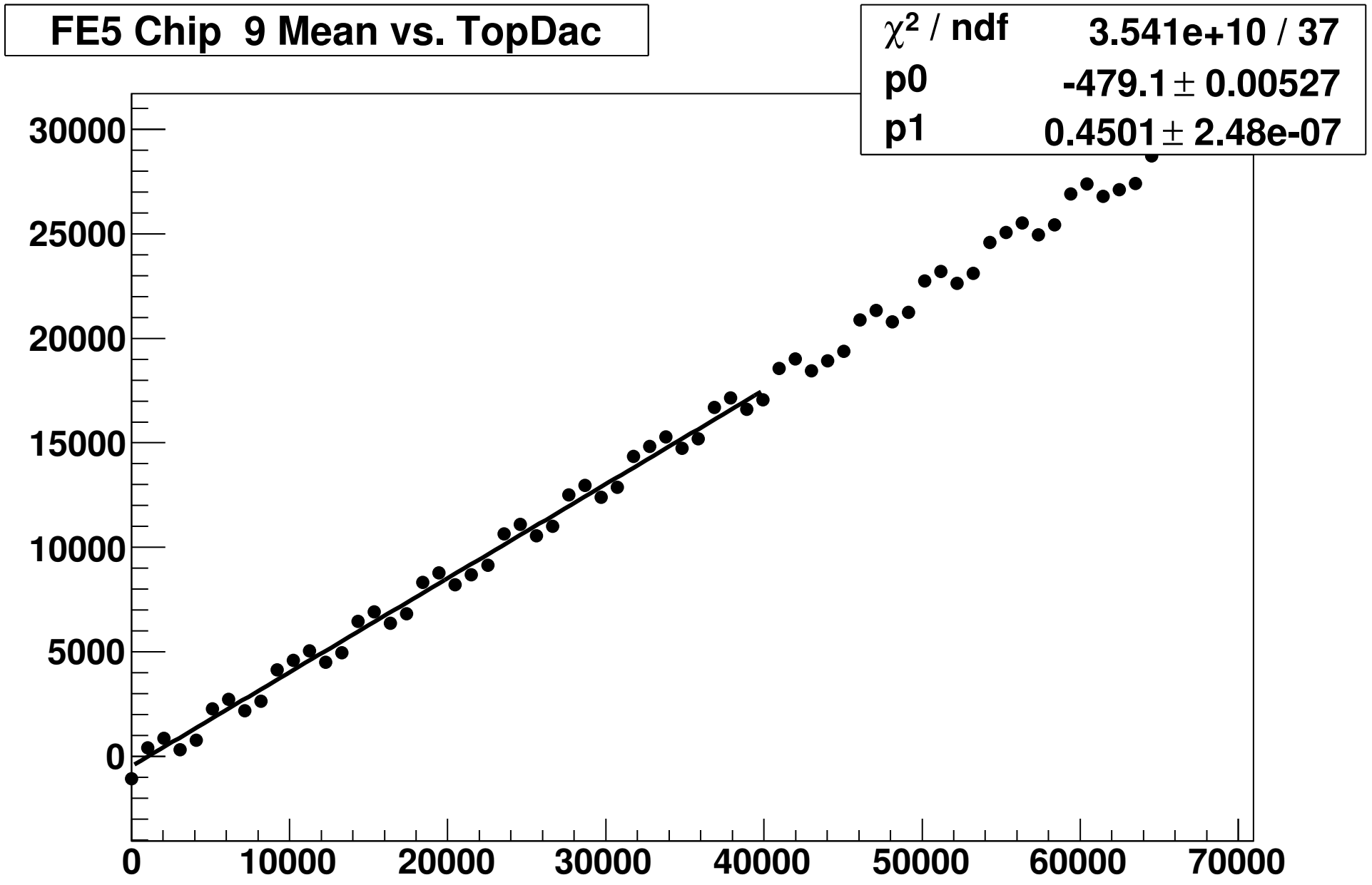

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 1.563e+04 / 37
p0 1.497 ± 0.002948
p1 5.201e-06 ± 1.191e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 3.541e+10 / 37
p0 -479.1 ± 0.00527
p1 0.4501 ± 2.48e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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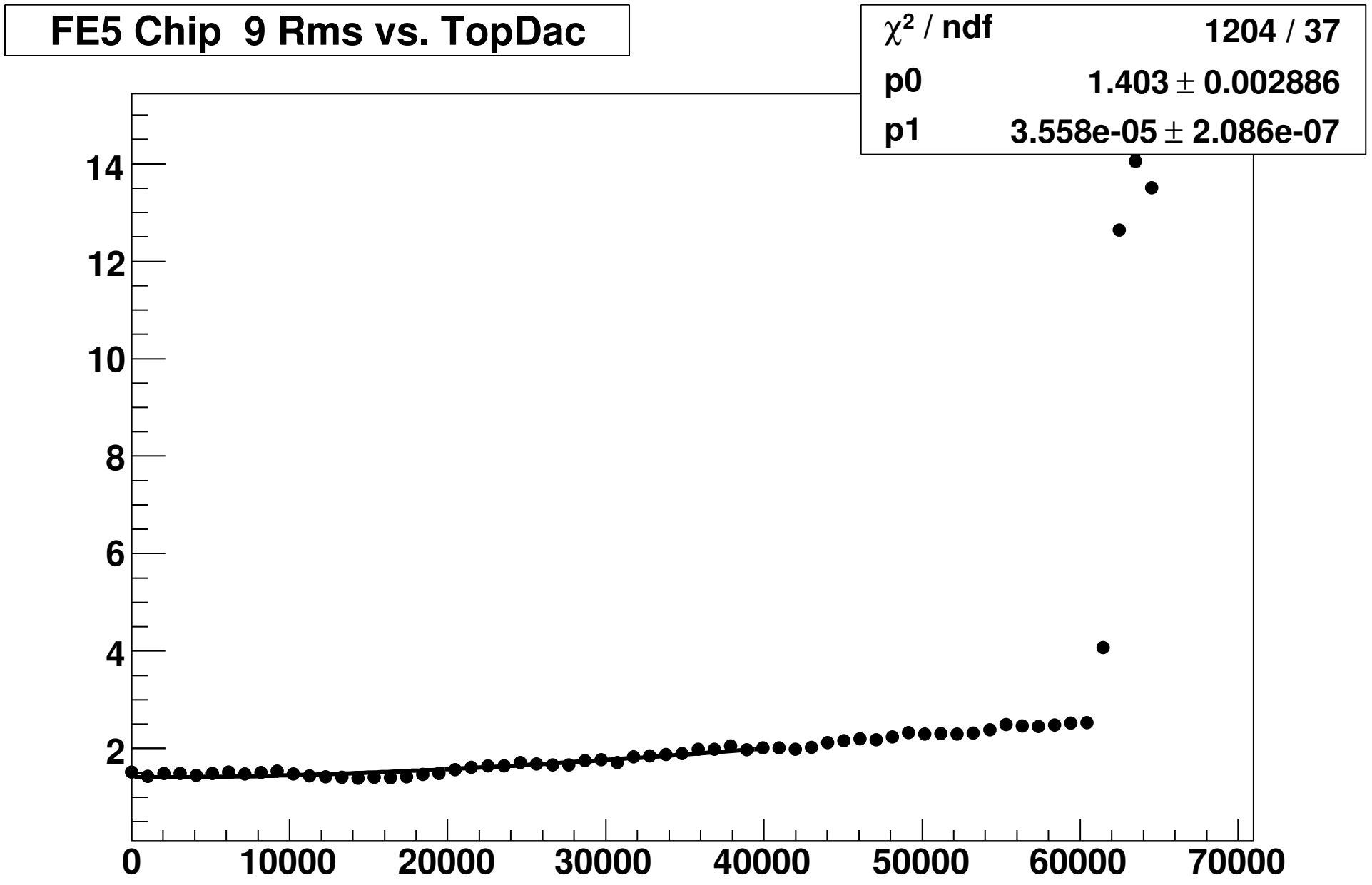
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1204 / 37
p0 1.403 ± 0.002886
p1 3.558e-05 ± 2.086e-07
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12
10
8
6
4
2
0
10000
20000
30000
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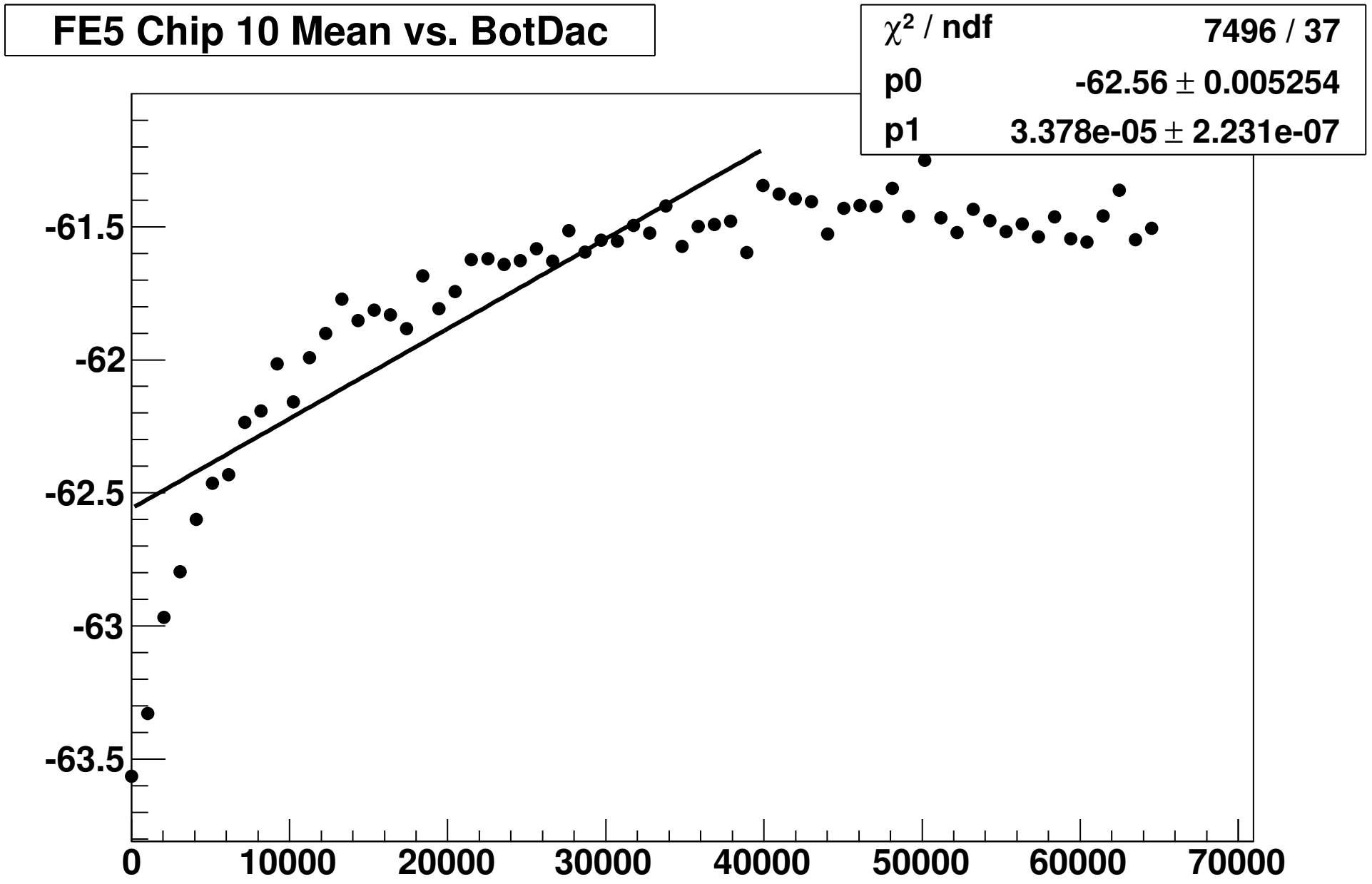
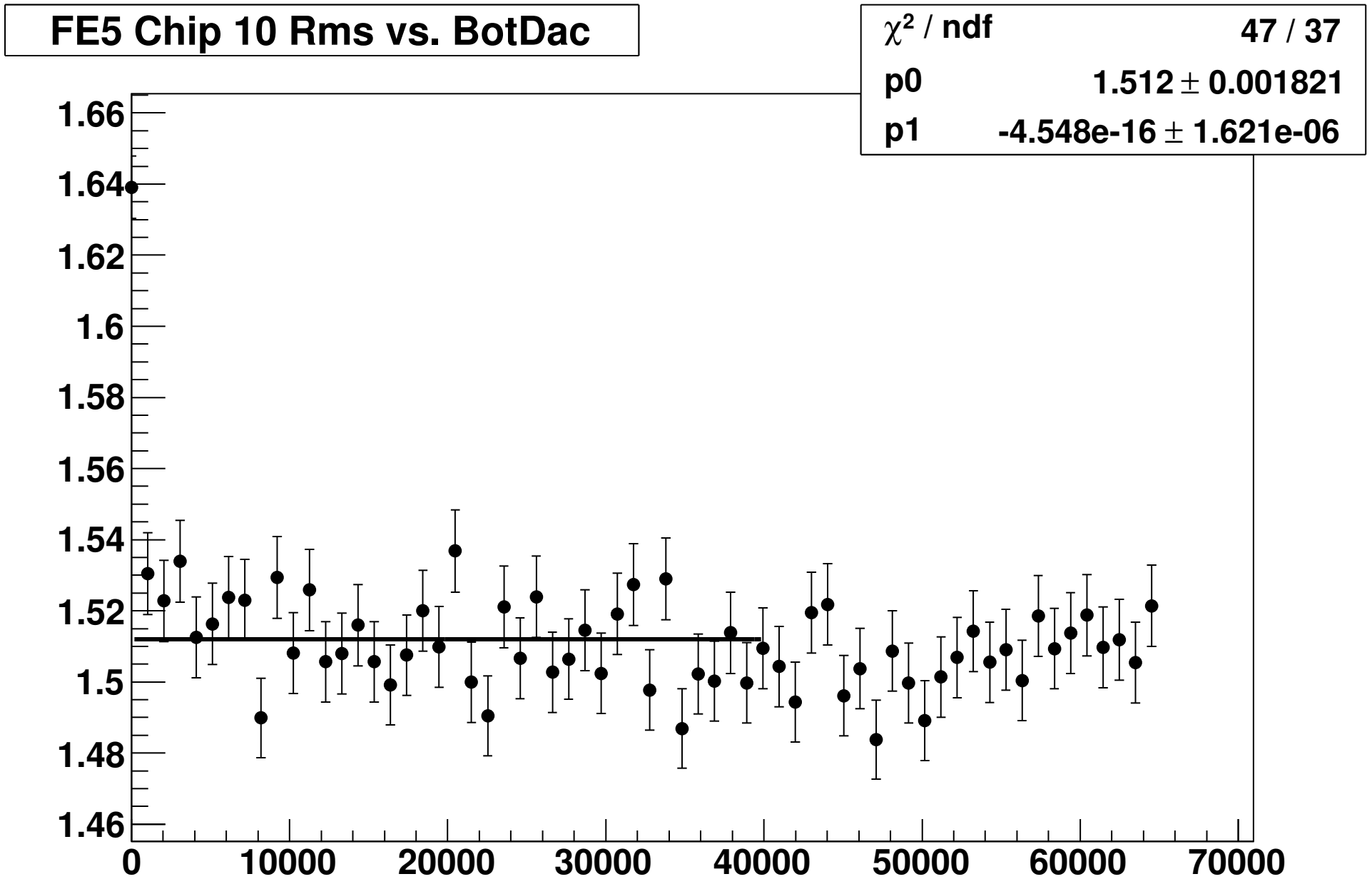
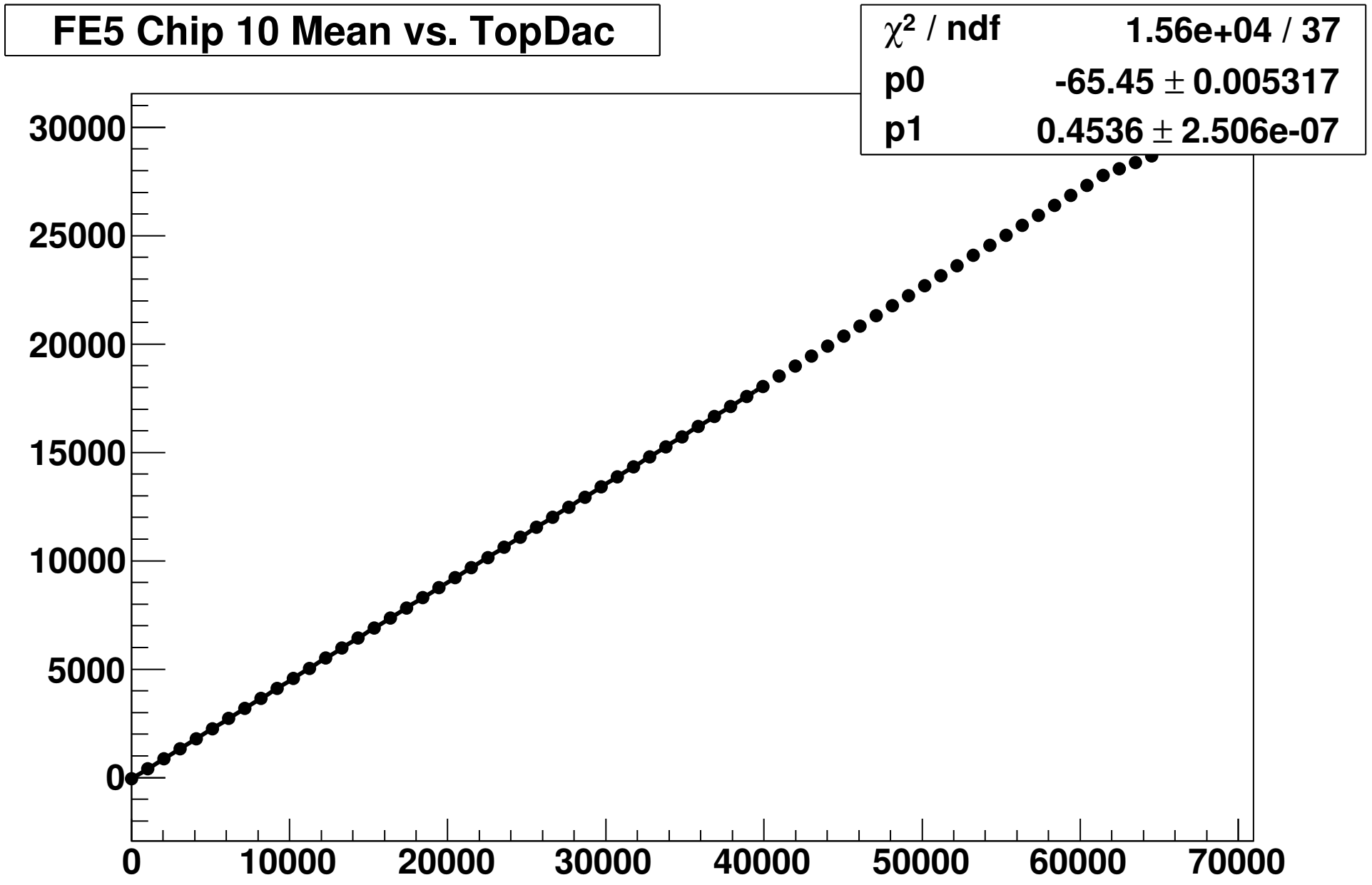

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 7496 / 37
p0 -62.56 ± 0.005254
p1 3.378e-05 ± 2.231e-07
-61.5
-62
-62.5
-63
-63.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 47 / 37
p0 1.512 ± 0.001821
p1 -4.548e-16 ± 1.621e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.56e+04 / 37
p0 -65.45 ± 0.005317
p1 0.4536 ± 2.506e-07
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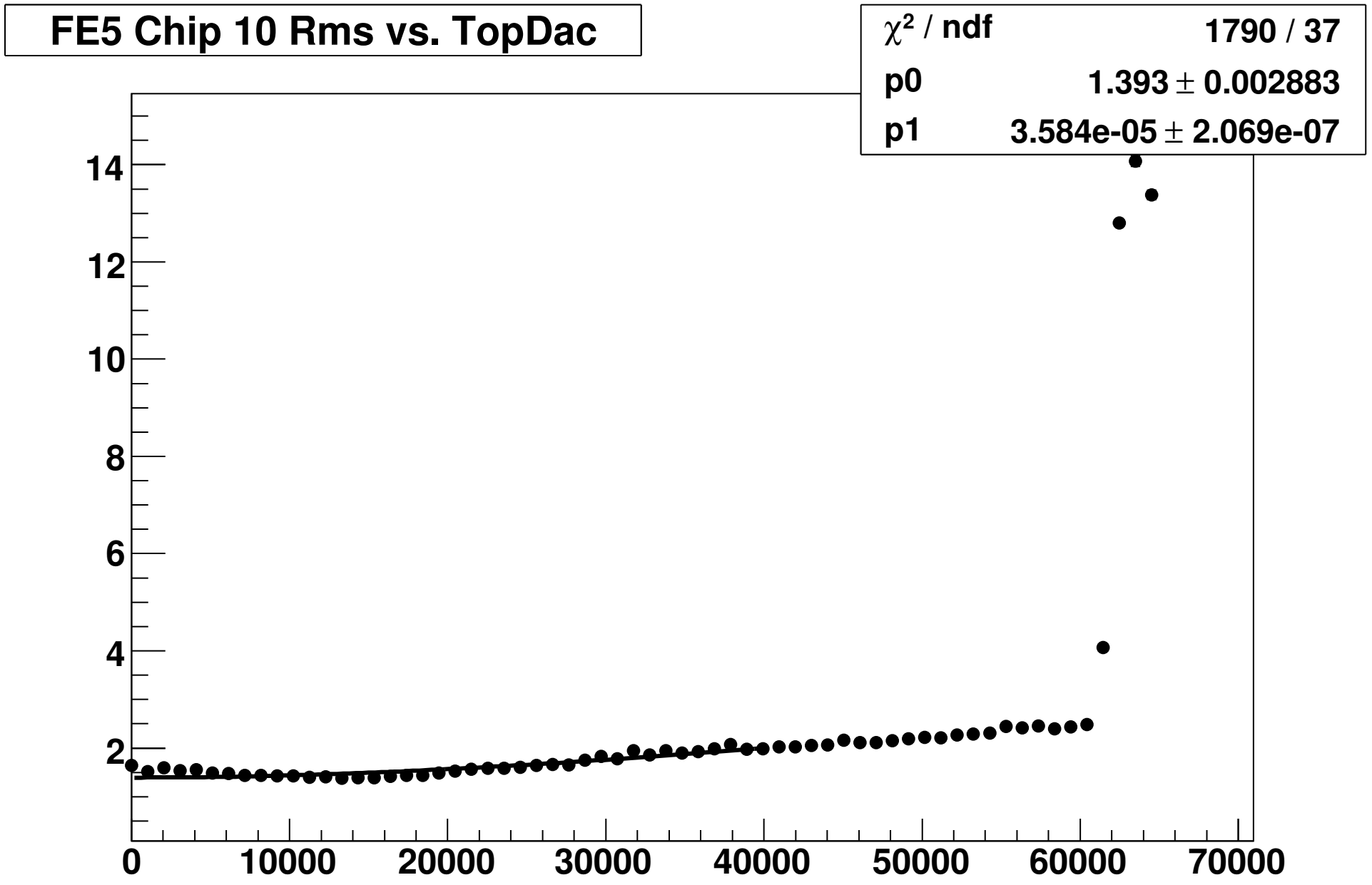
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1790 / 37
p0 1.393 ± 0.002883
p1 3.584e-05 ± 2.069e-07
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12
10
8
6
4
2
0
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20000
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50000
60000
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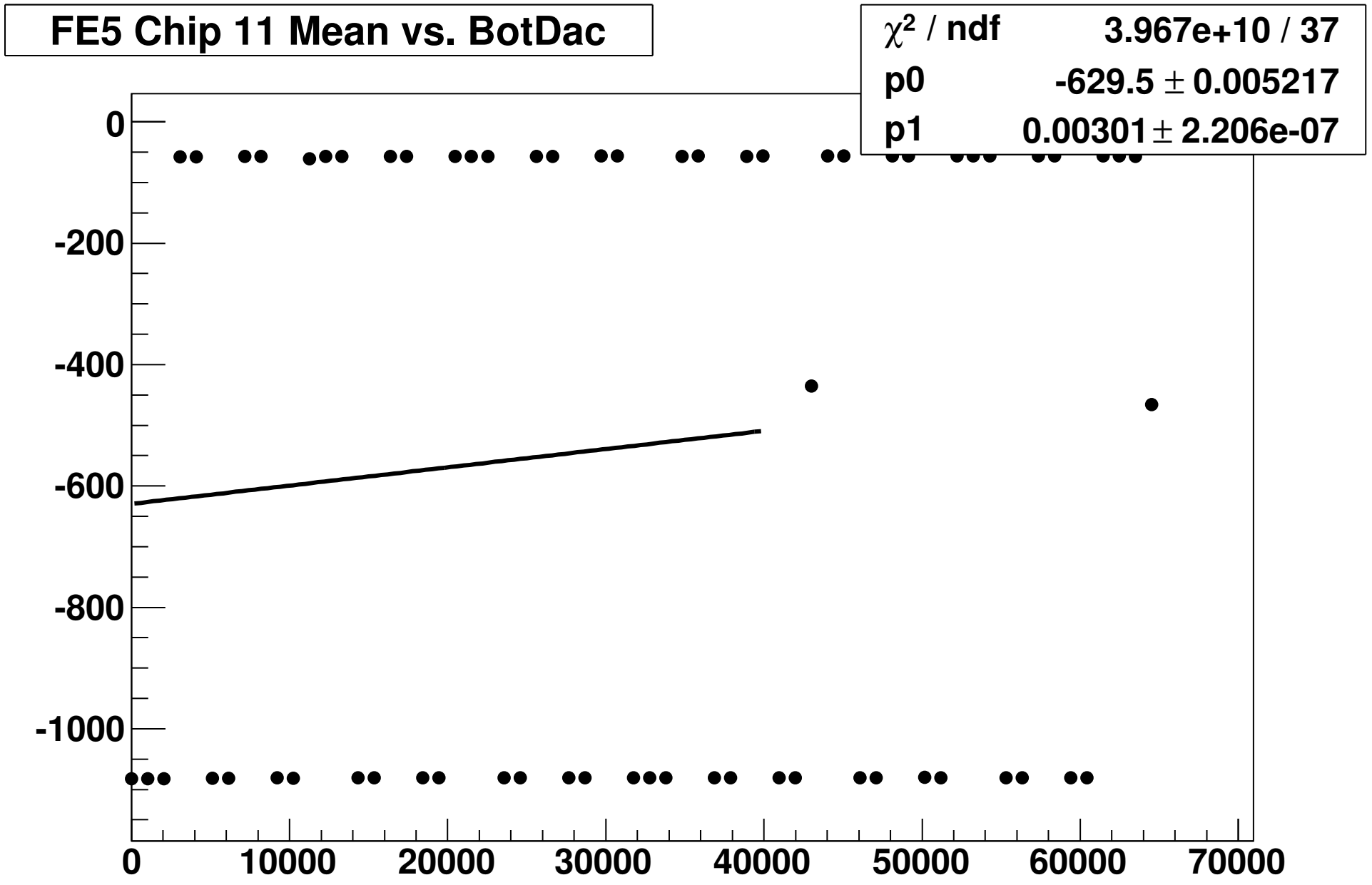
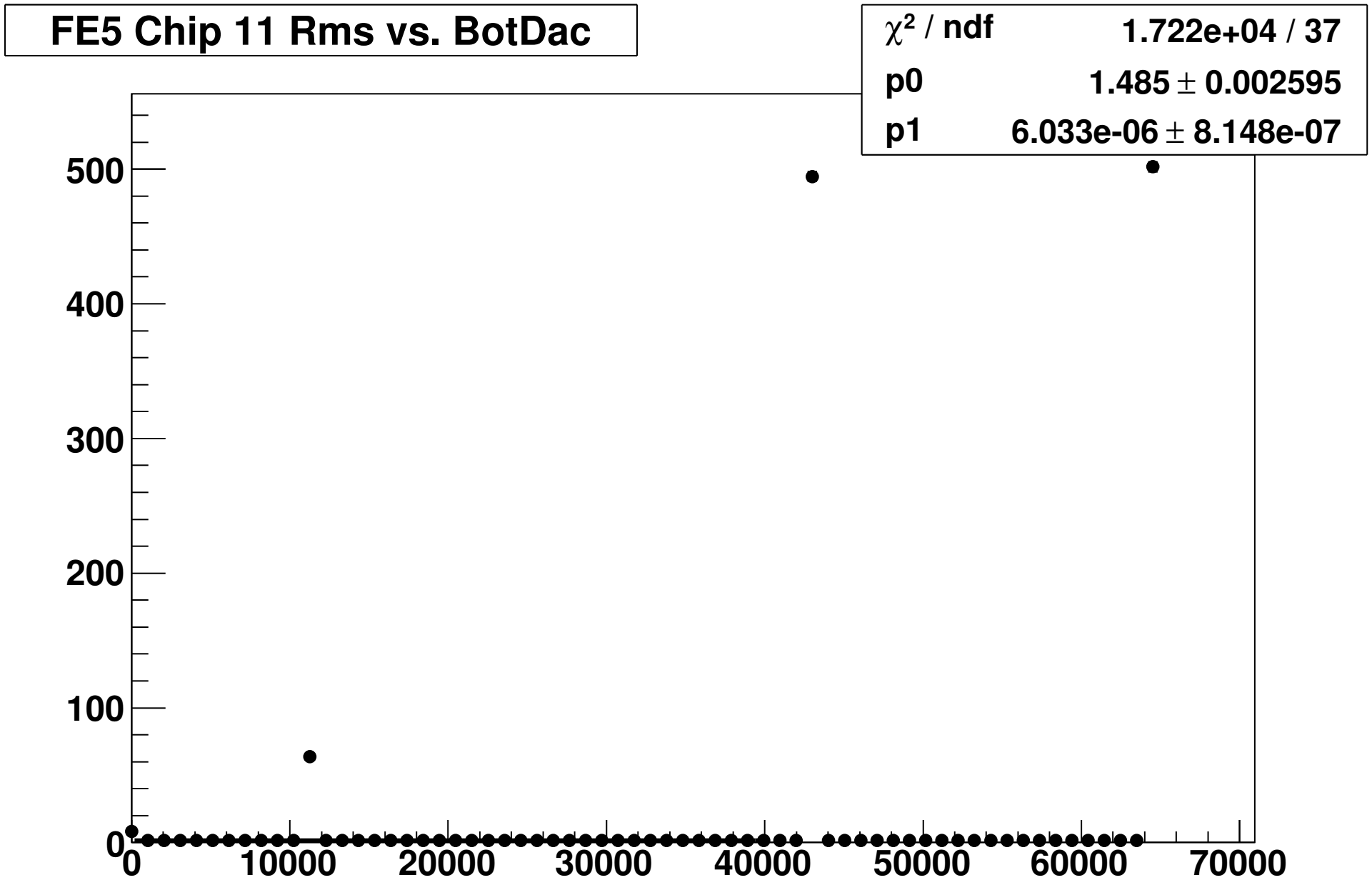

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 3.967e+10 / 37
p0 -629.5 ± 0.005217
p1 0.00301 ± 2.206e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 1.722e+04 / 37
p0 1.485 ± 0.002595
p1 6.033e-06 ± 8.148e-07
500
400
300
200
100
0
0
10000
20000
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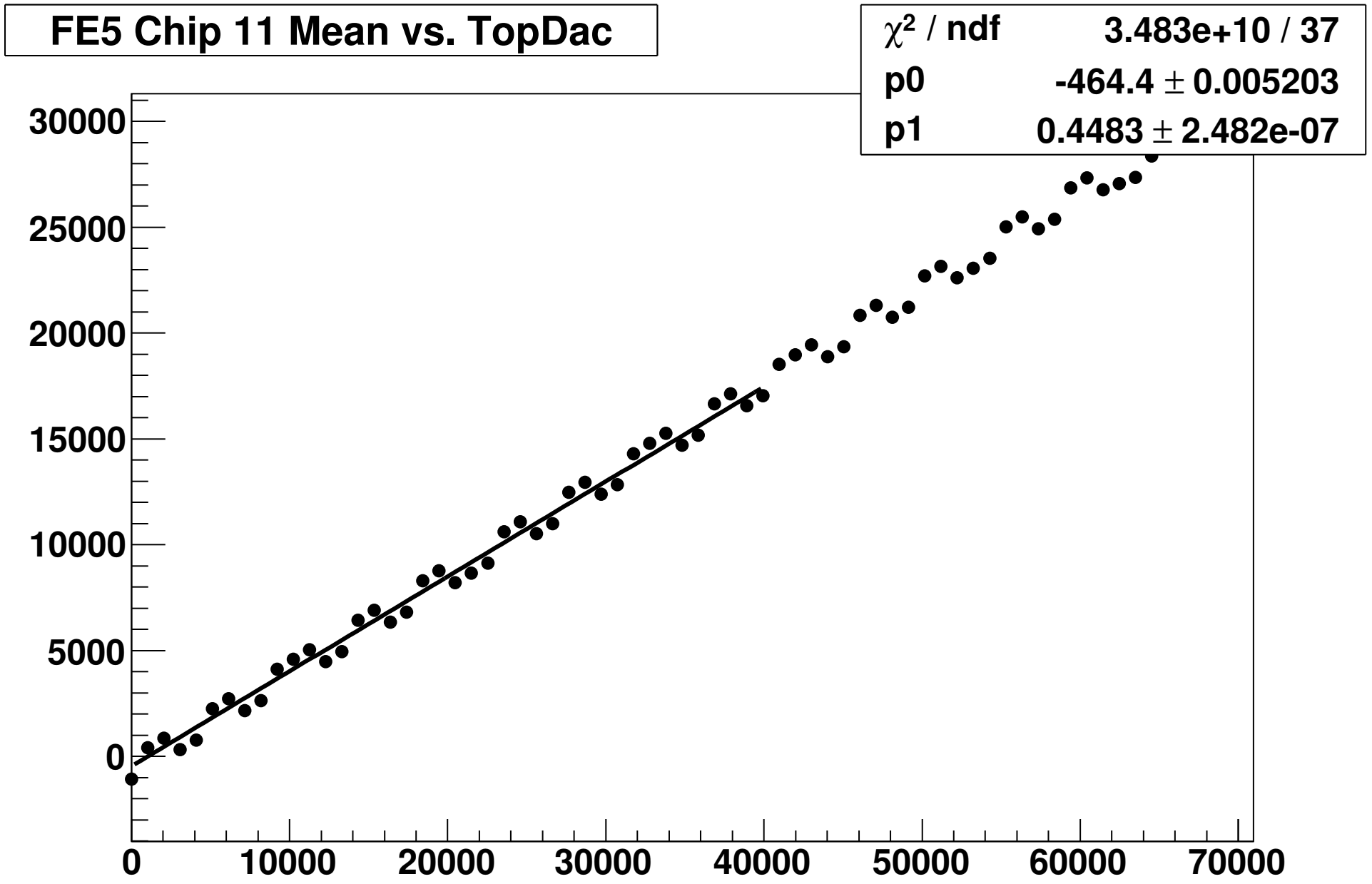
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 3.483e+10 / 37
p0 -464.4 ± 0.005203
p1 0.4483 ± 2.482e-07
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25000
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15000
10000
5000
0
0
10000
20000
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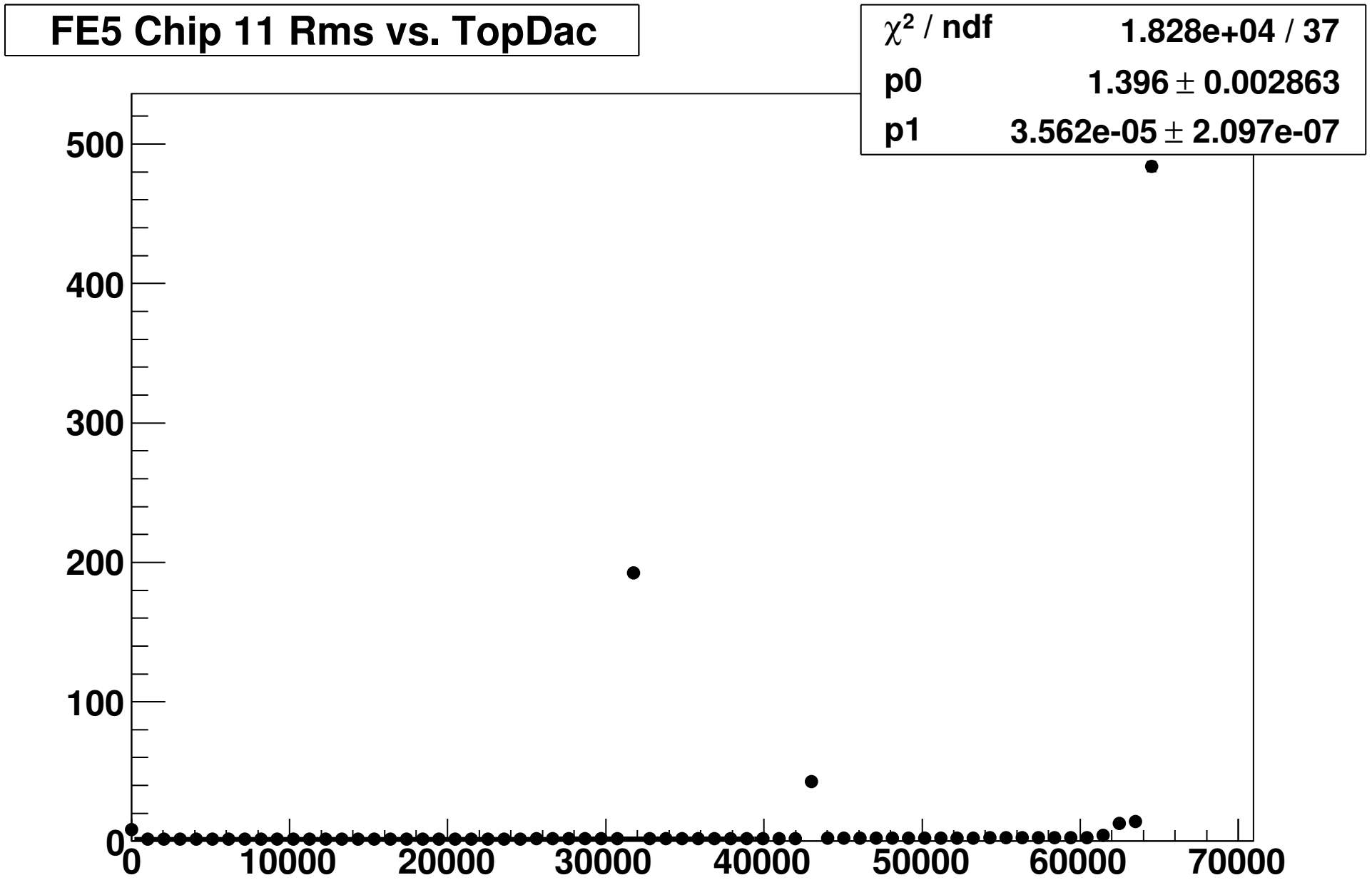
FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1.828e+04 / 37
p0 1.396 ± 0.002863
p1 3.562e-05 ± 2.097e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
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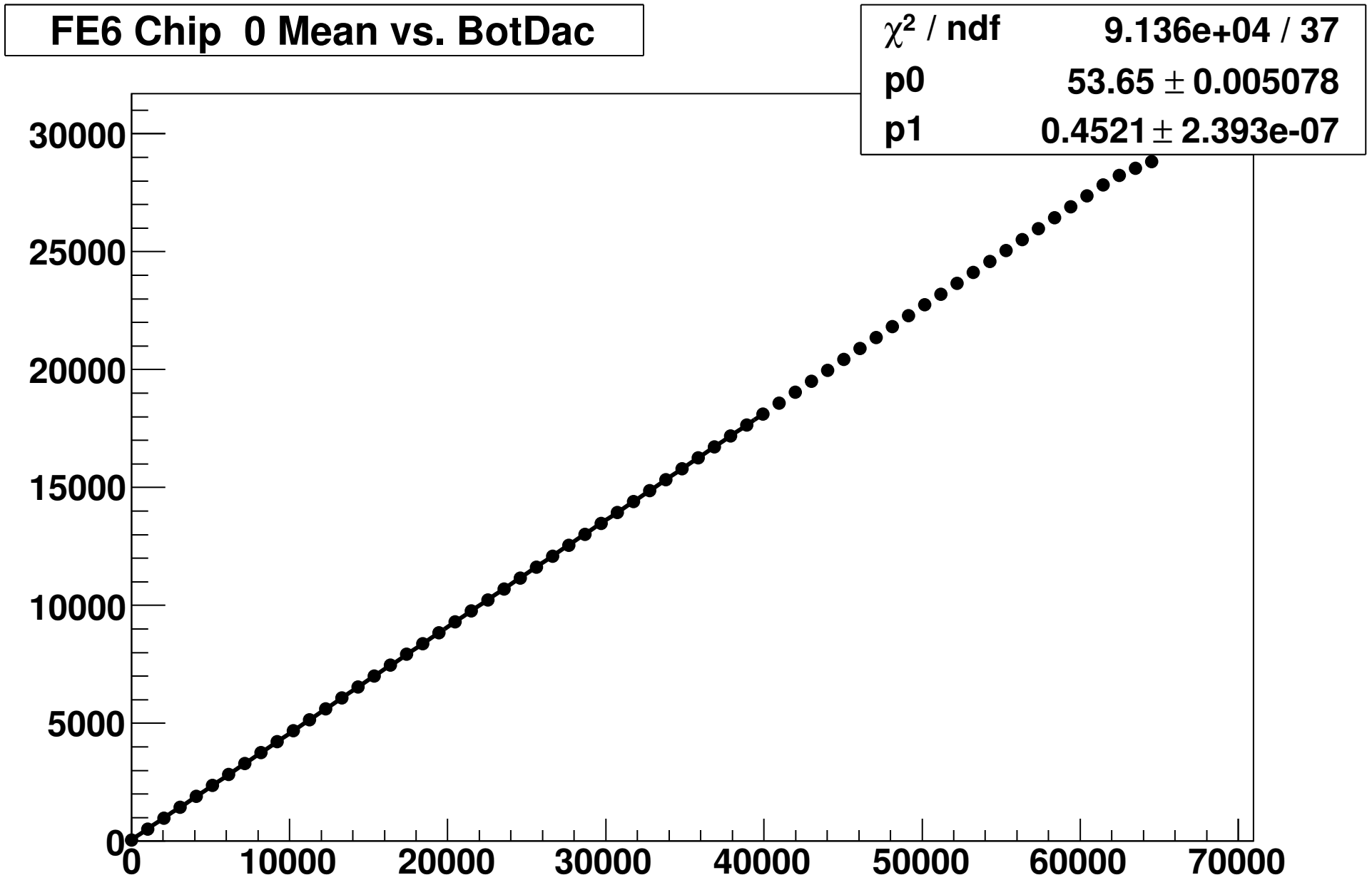
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 9.136e+04 / 37
p0 53.65 ± 0.005078
p1 0.4521 ± 2.393e-07
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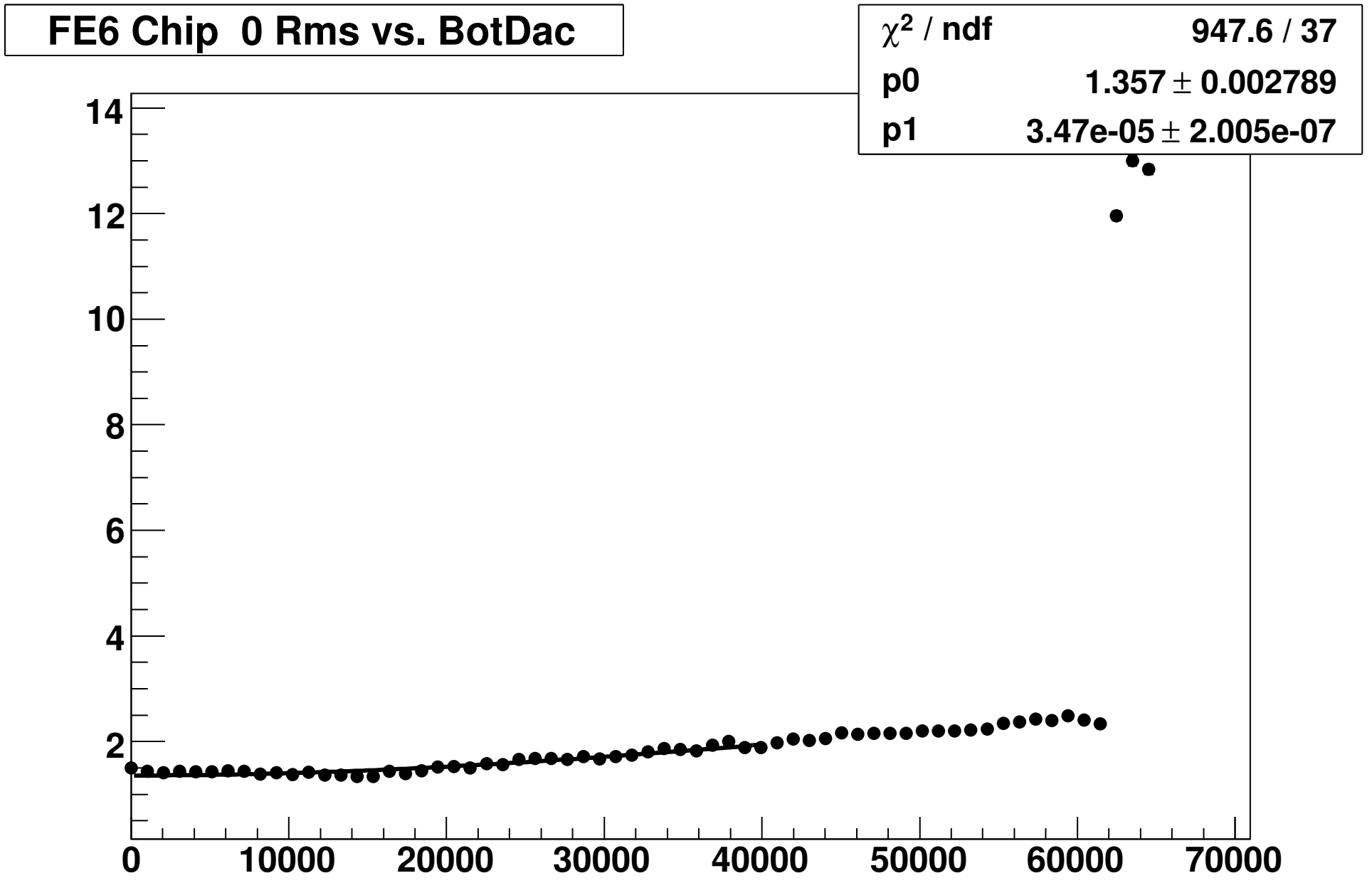
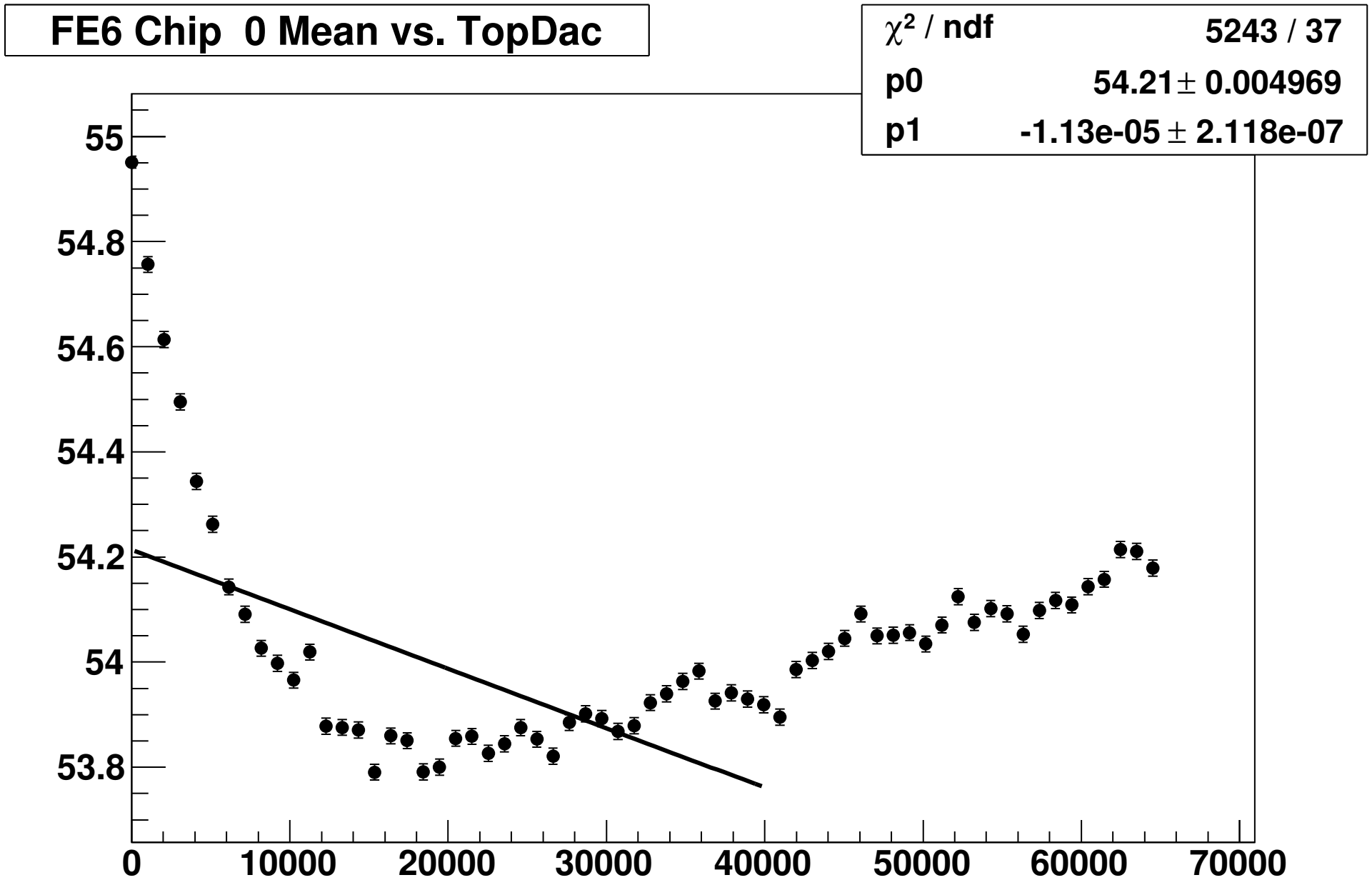
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 947.6 / 37
p0 1.357 ± 0.002789
p1 3.47e-05 ± 2.005e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 5243 / 37
p0 54.21 ± 0.004969
p1 -1.13e-05 ± 2.118e-07
55
54.8
54.6
54.4
54.2
54
53.8
0
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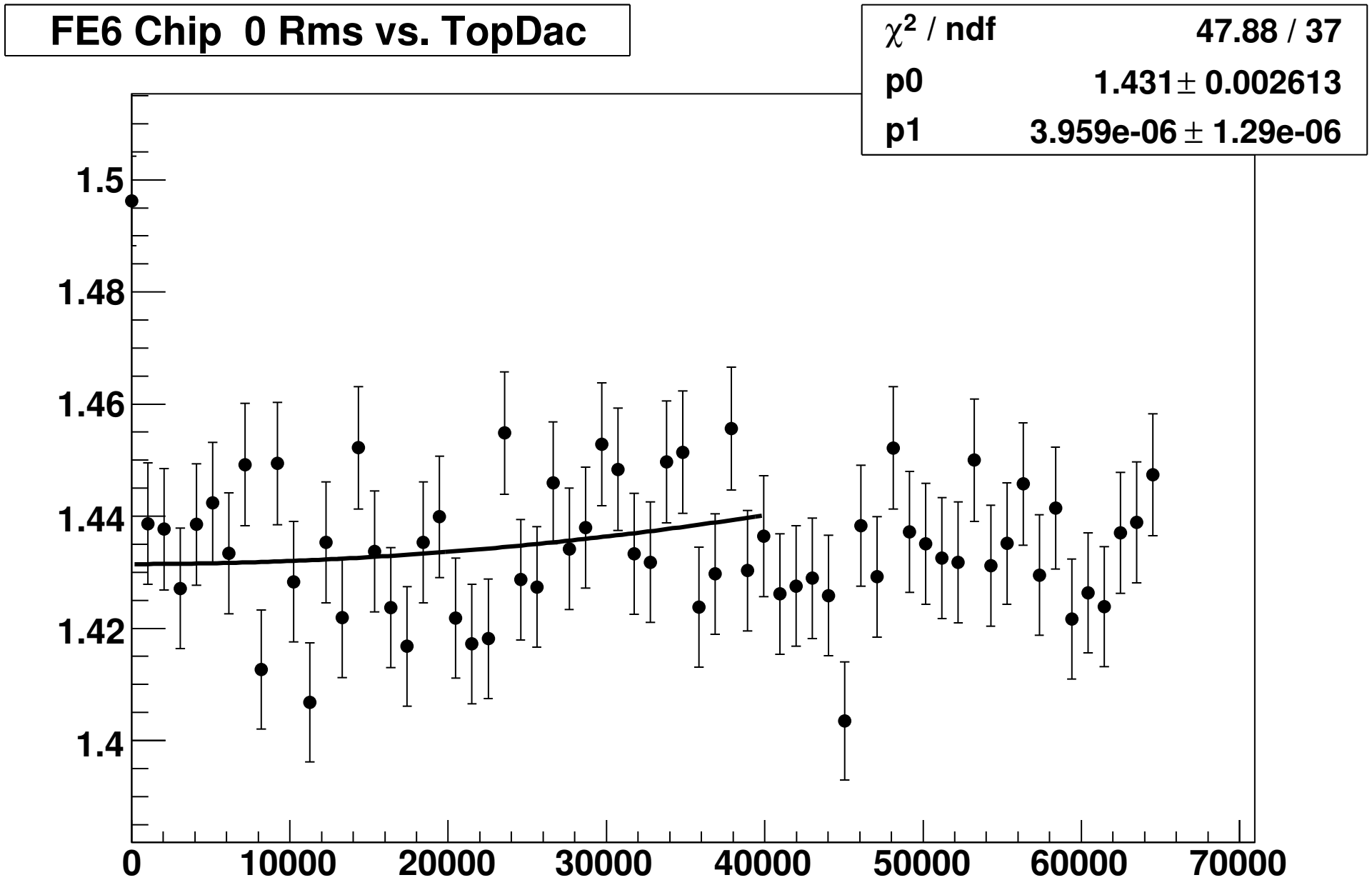
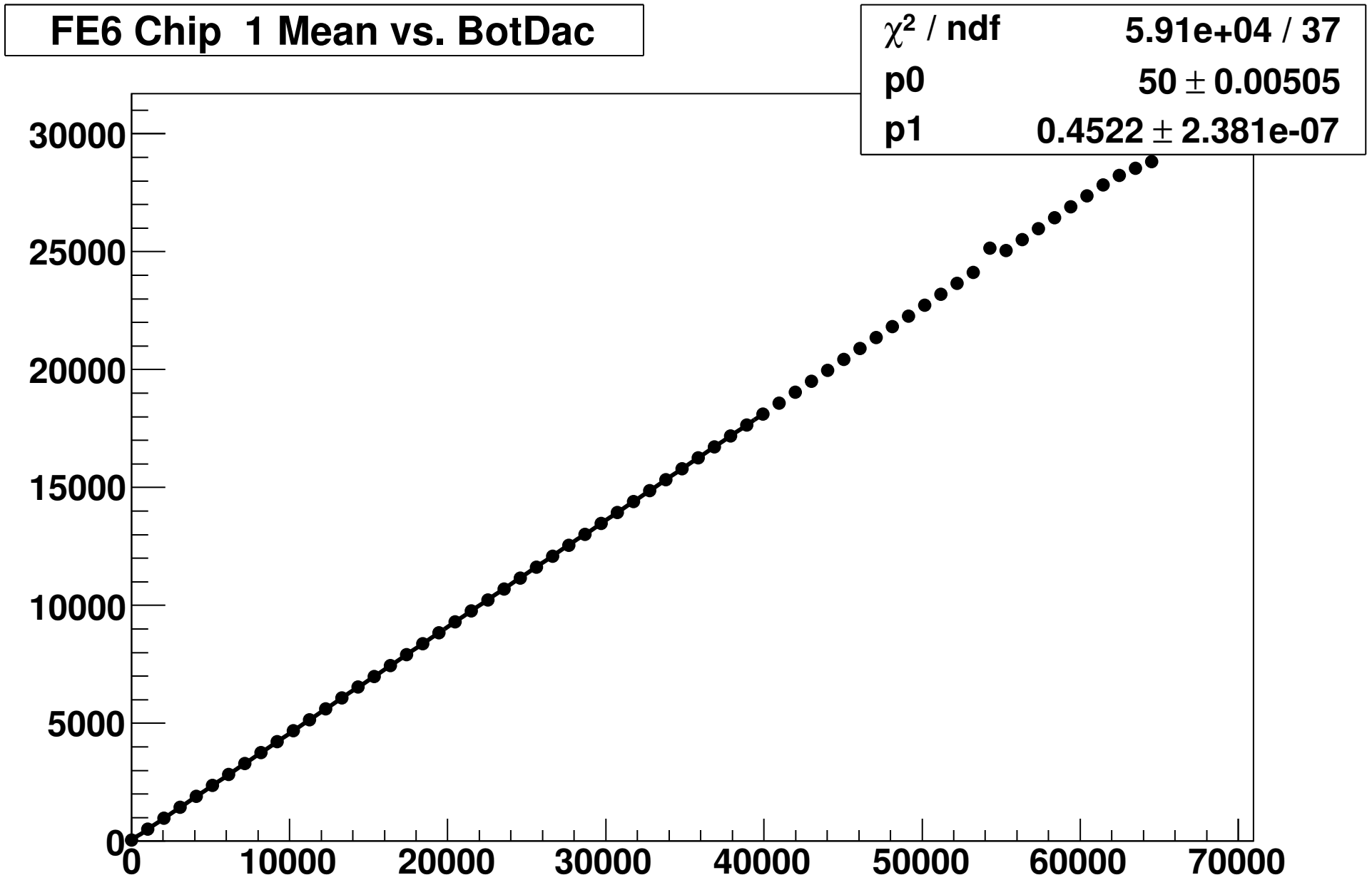
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 47.88 / 37
p0 1.431 ± 0.002613
p1 3.959e-06 ± 1.29e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 5.91e+04 / 37
p0 50 ± 0.00505
p1 0.4522 ± 2.381e-07
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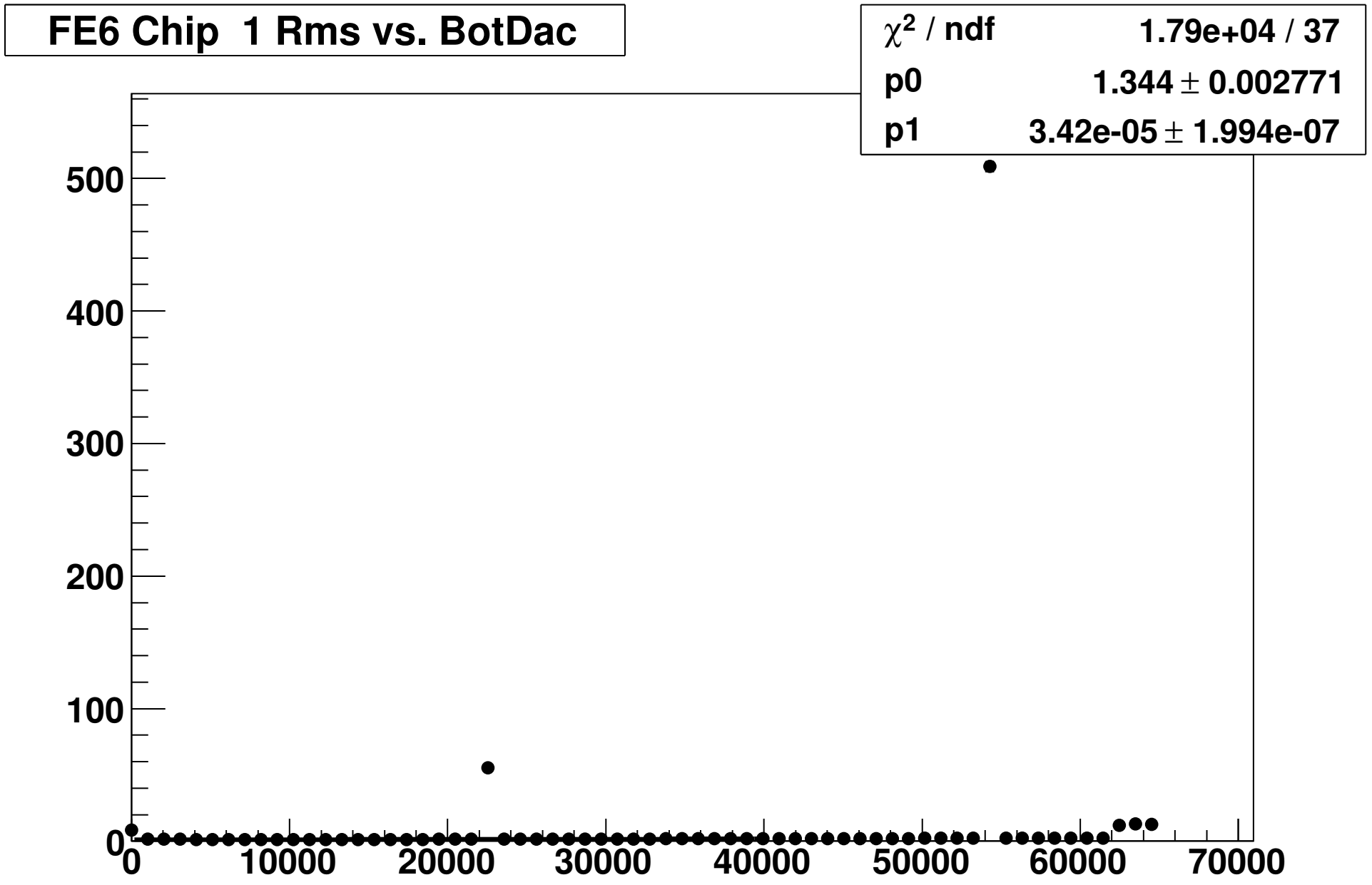
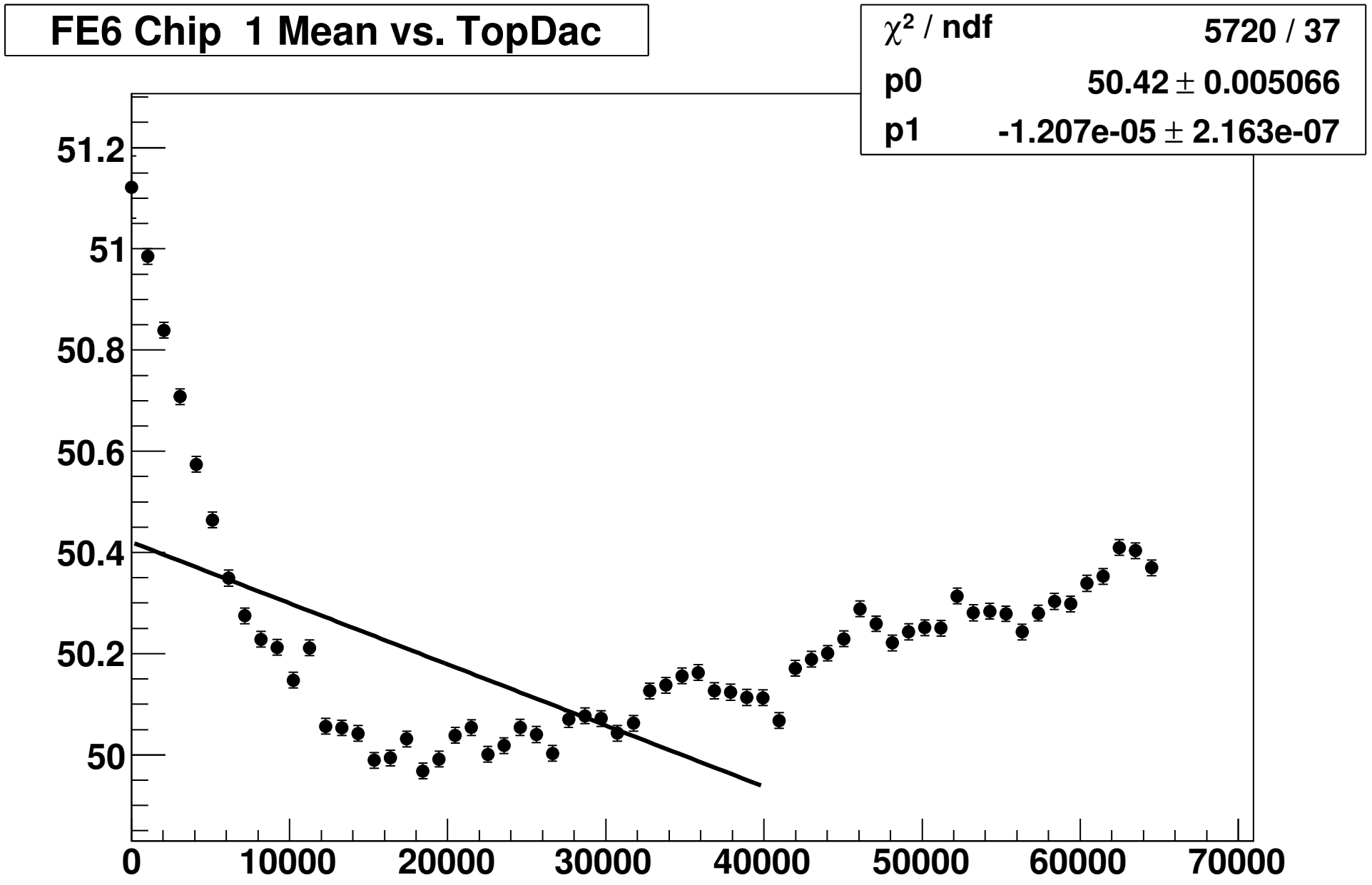
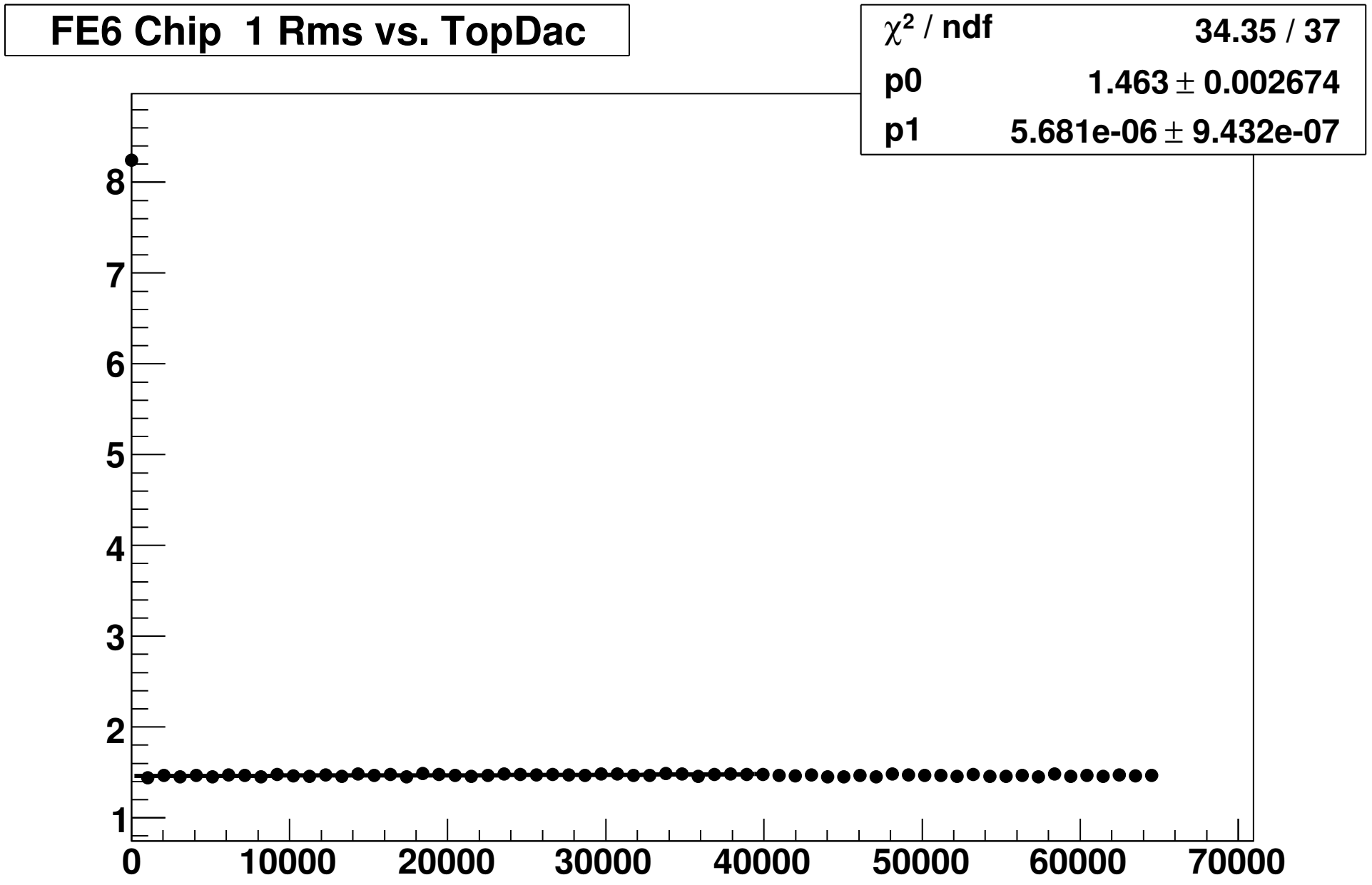
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1.79e+04 / 37
p0 1.344 ± 0.002771
p1 3.42e-05 ± 1.994e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 5720 / 37
p0 50.42 ± 0.005066
p1 -1.207e-05 ± 2.163e-07
51.2
51
50.8
50.6
50.4
50.2
50
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 34.35 / 37
p0 1.463 ± 0.002674
p1 5.681e-06 ± 9.432e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
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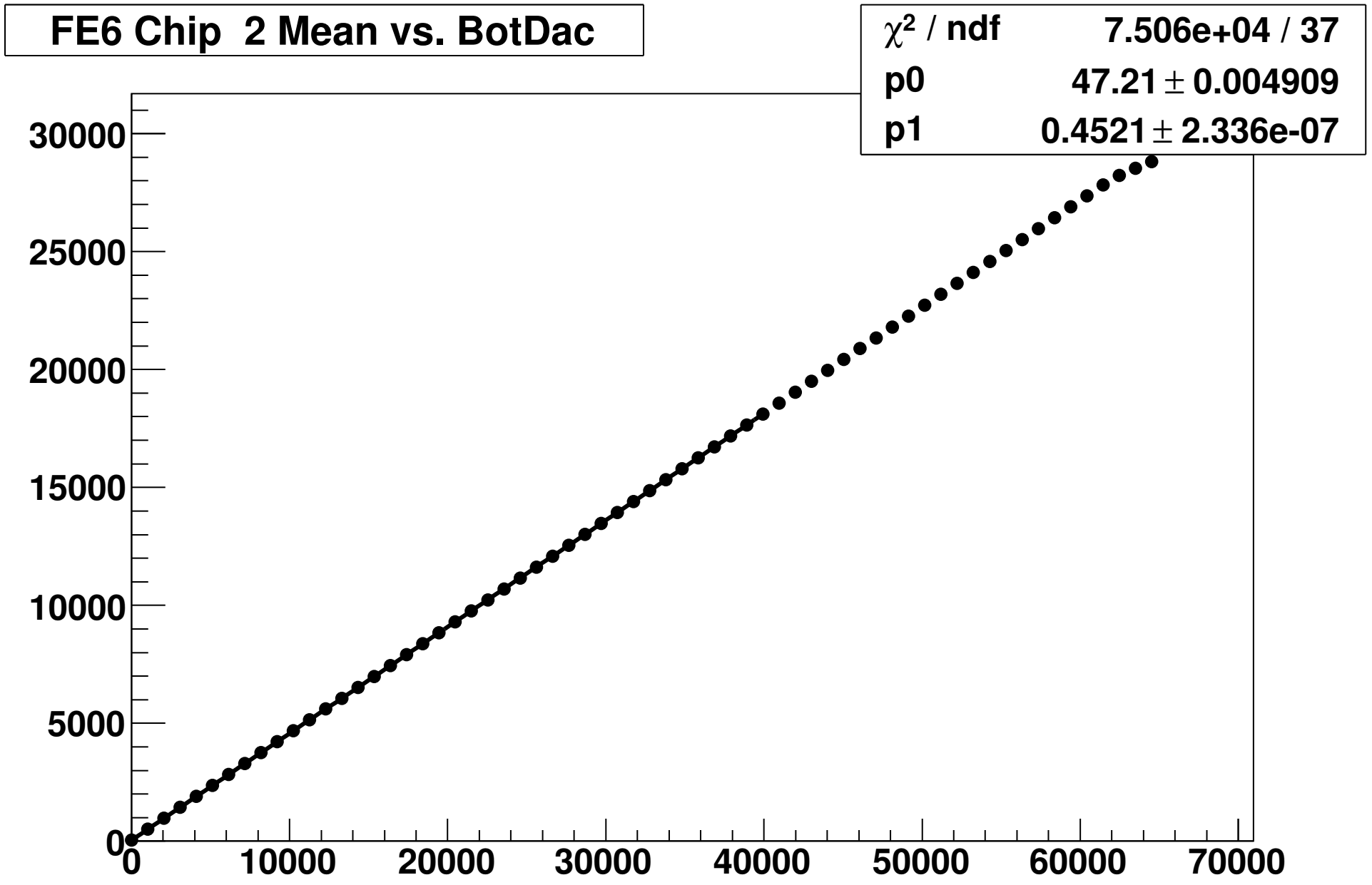
FE6 Chip 2 Mean vs. BotDac
χ² / ndf 7.506e+04 / 37
p0 47.21 ± 0.004909
p1 0.4521 ± 2.336e-07
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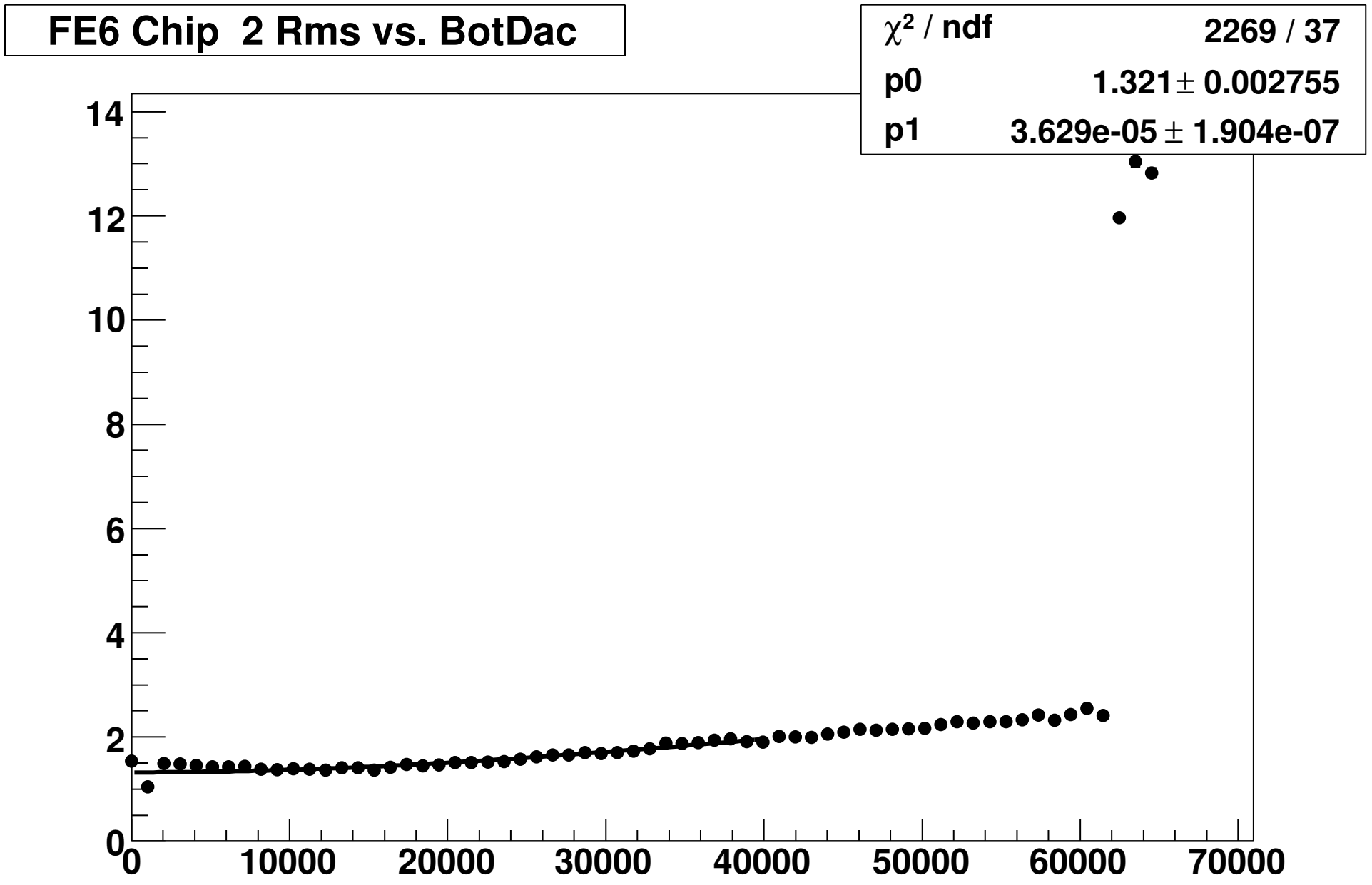
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 2269 / 37
p0 1.321 ± 0.002755
p1 3.629e-05 ± 1.904e-07
14
12
10
8
6
4
2
0
0
10000
20000
30000
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60000
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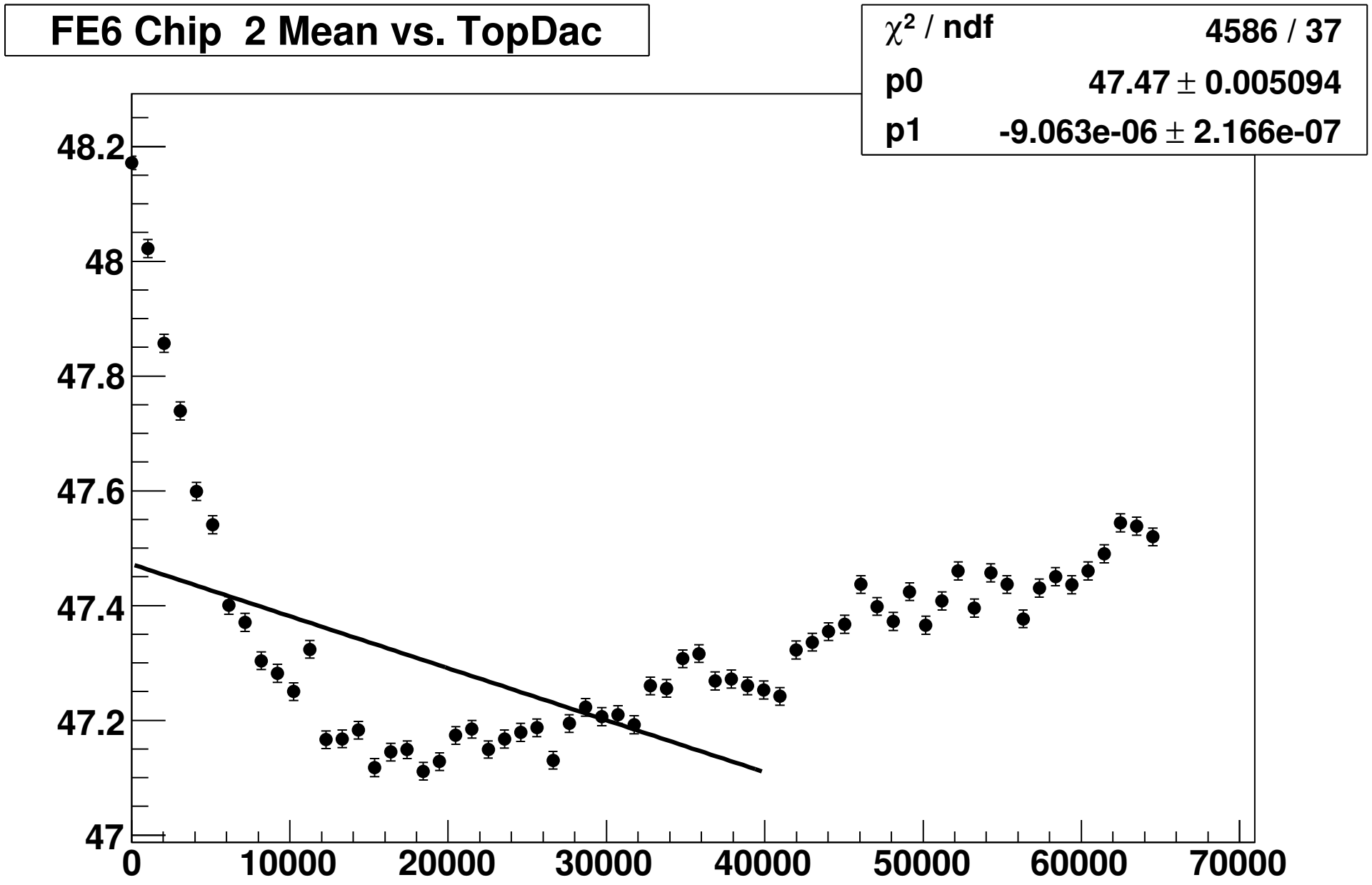
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 4586 / 37
p0 47.47 ± 0.005094
p1 -9.063e-06 ± 2.166e-07
48.2
48
47.8
47.6
47.4
47.2
47
0
10000
20000
30000
40000
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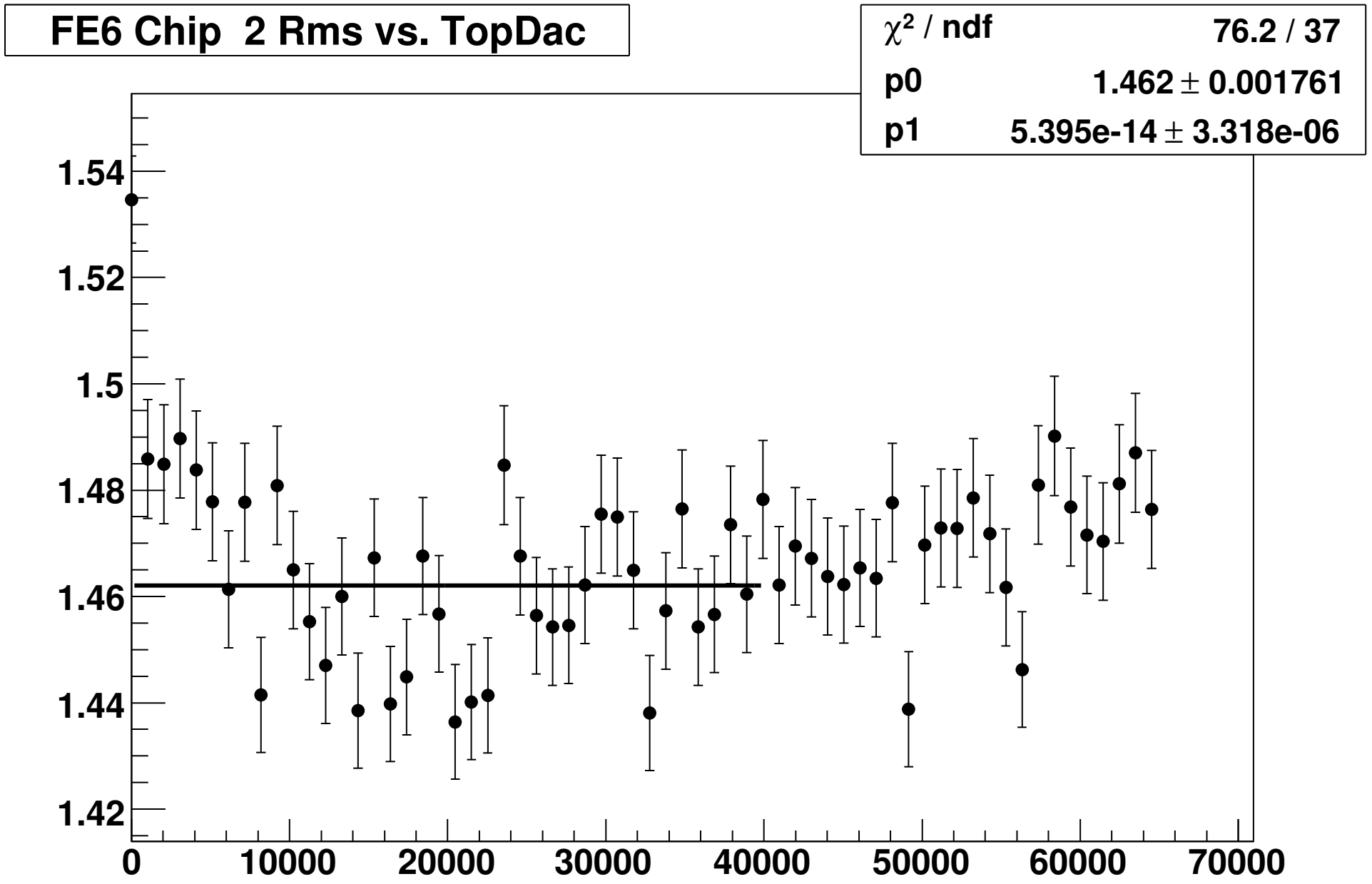
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 76.2 / 37
p0 1.462 ± 0.001761
p1 5.395e-14 ± 3.318e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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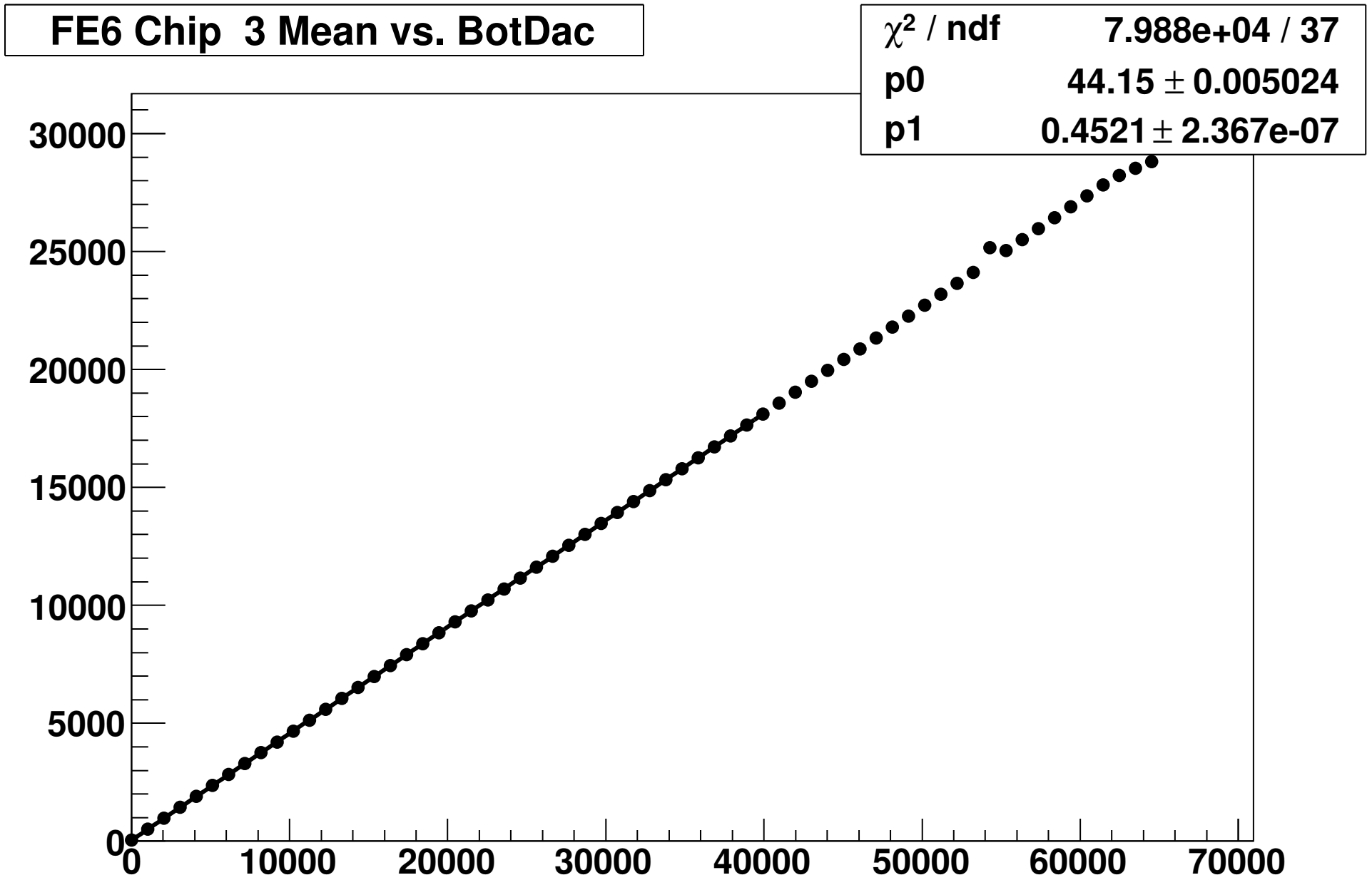
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 7.988e+04 / 37
p0 44.15 ± 0.005024
p1 0.4521 ± 2.367e-07
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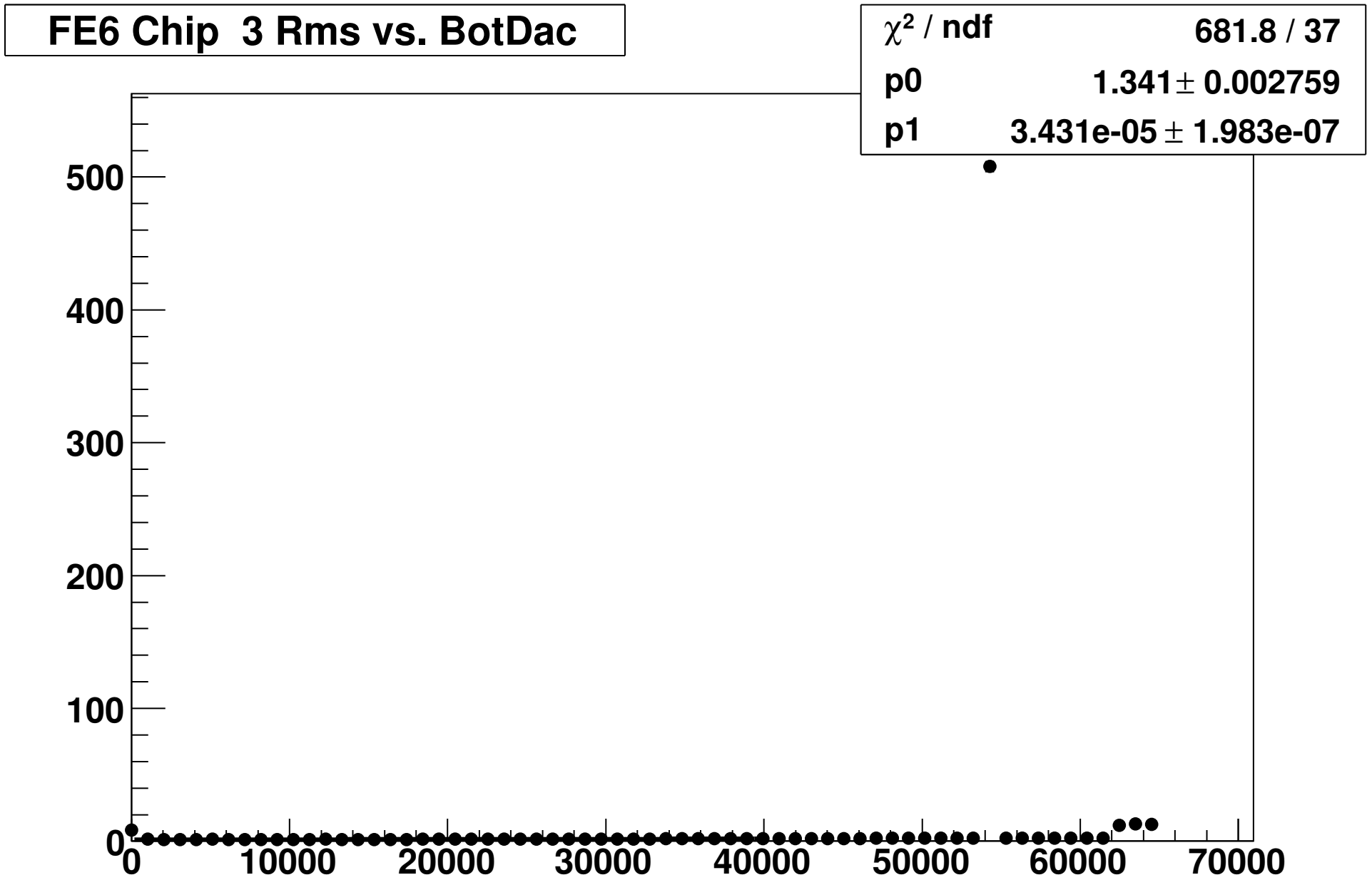
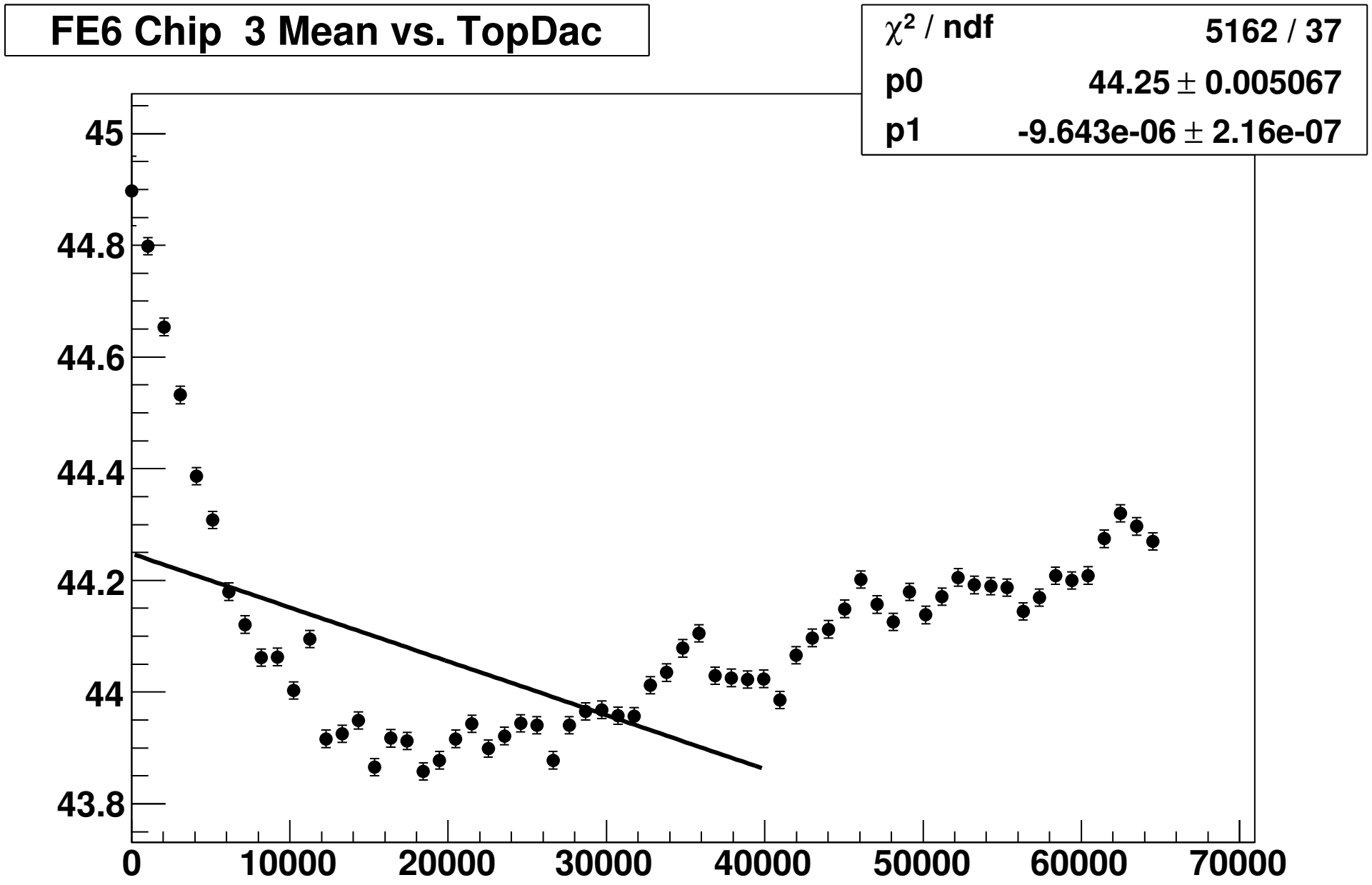
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 681.8 / 37
p0 1.341 ± 0.002759
p1 3.431e-05 ± 1.983e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 5162 / 37
p0 44.25 ± 0.005067
p1 -9.643e-06 ± 2.16e-07
45
44.8
44.6
44.4
44.2
44
43.8
0
10000
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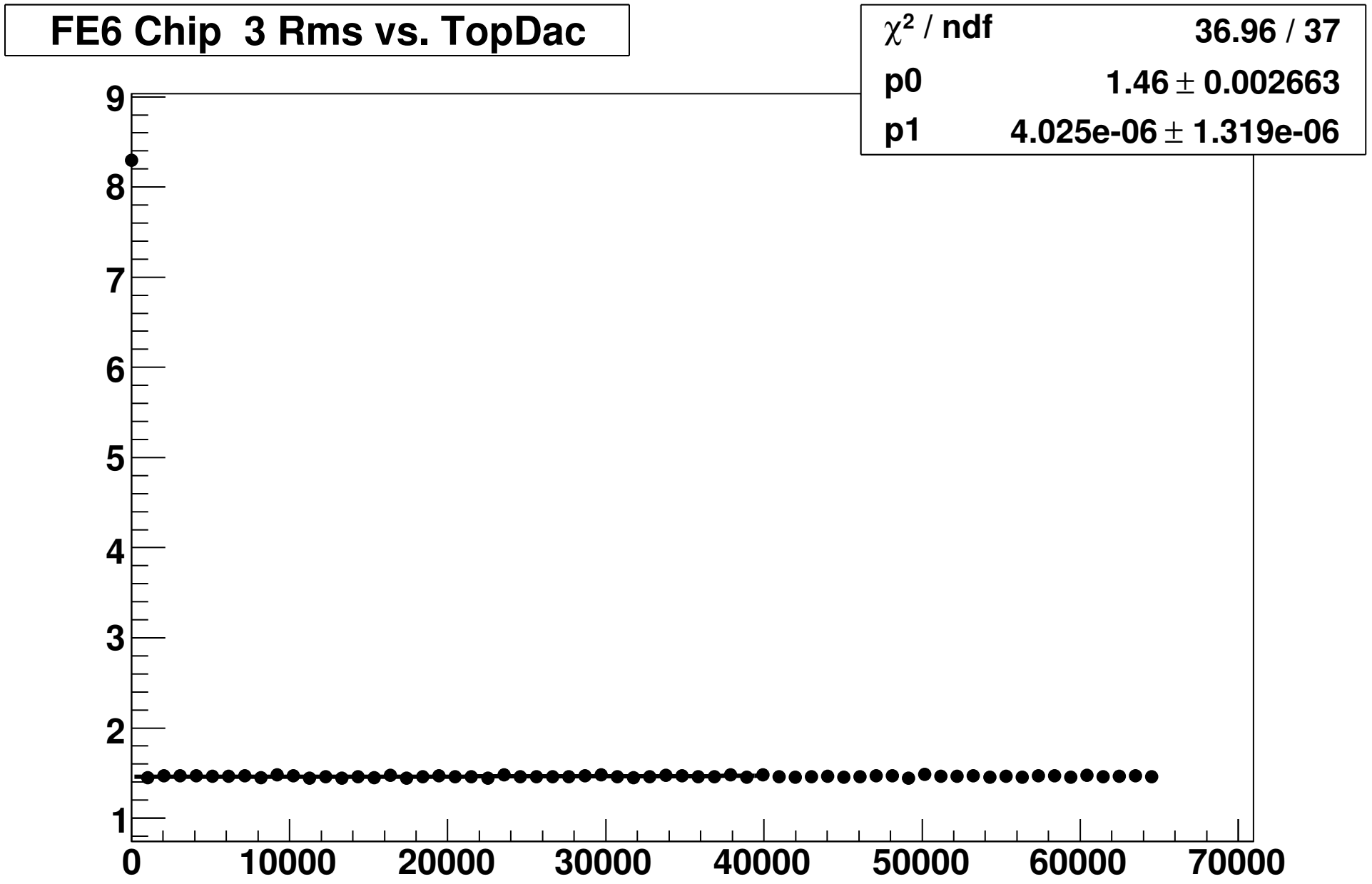
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 36.96 / 37
p0 1.46 ± 0.002663
p1 4.025e-06 ± 1.319e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
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60000
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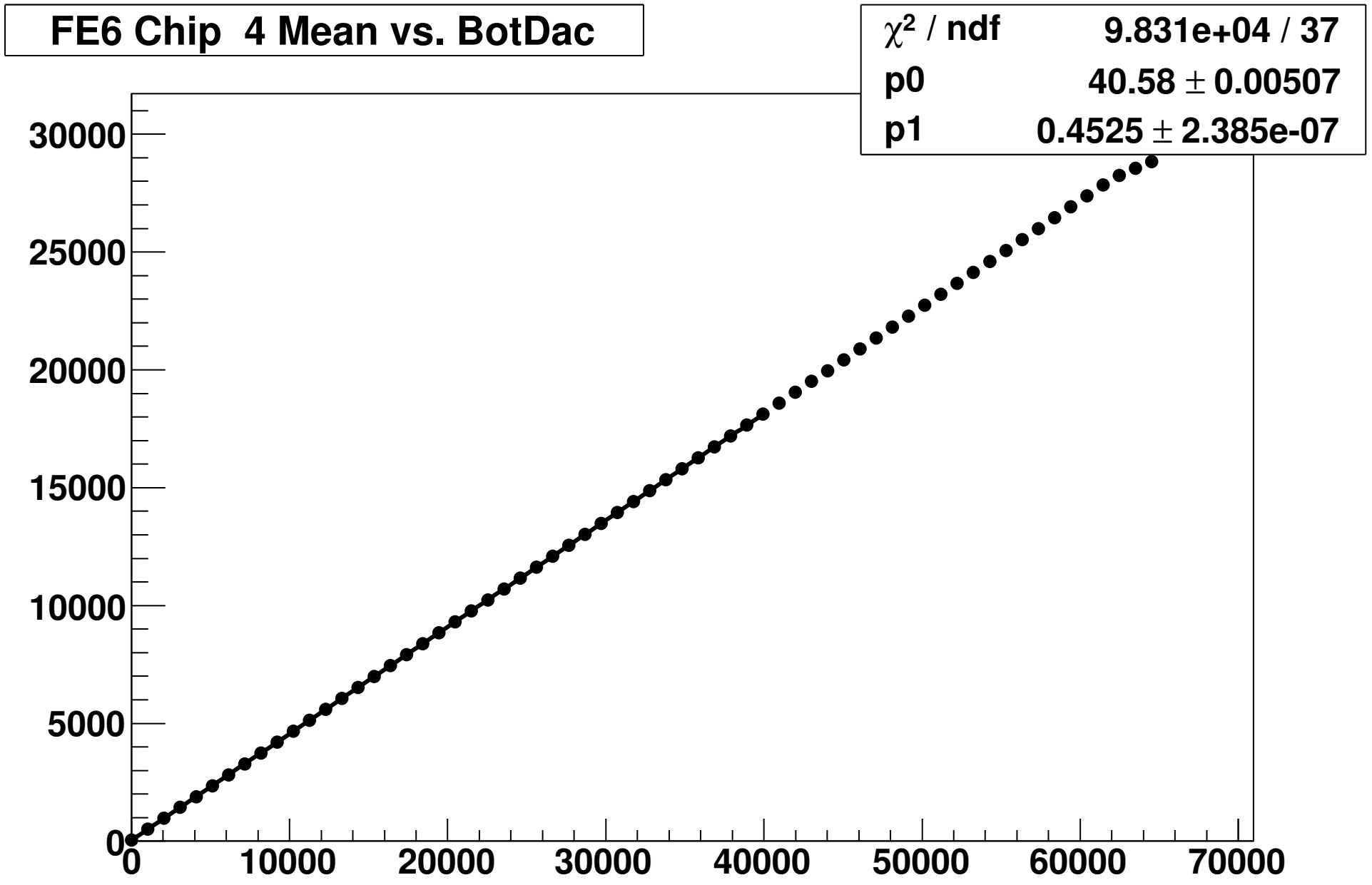
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 9.831e+04 / 37
p0 40.58 ± 0.00507
p1 0.4525 ± 2.385e-07
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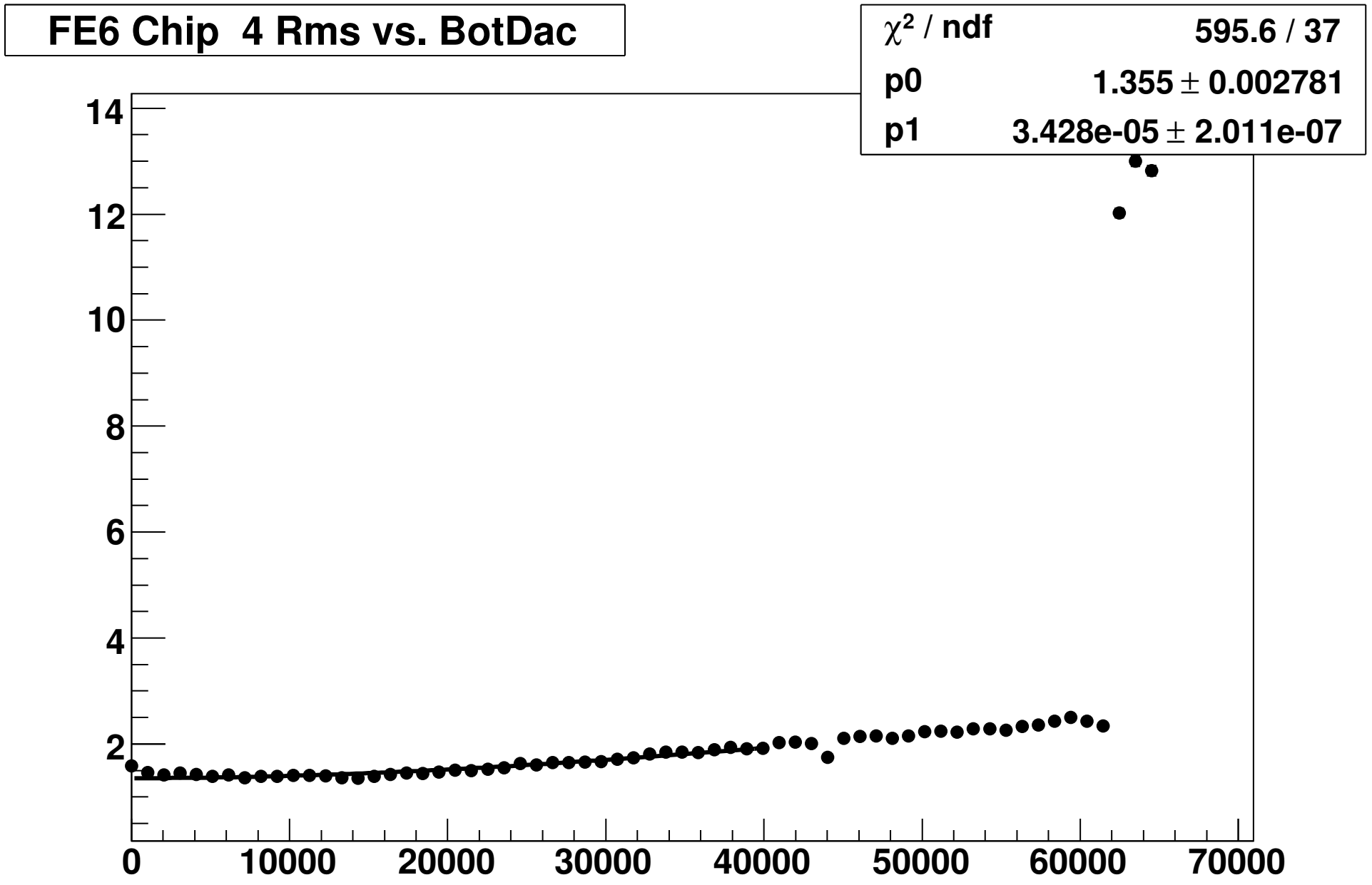
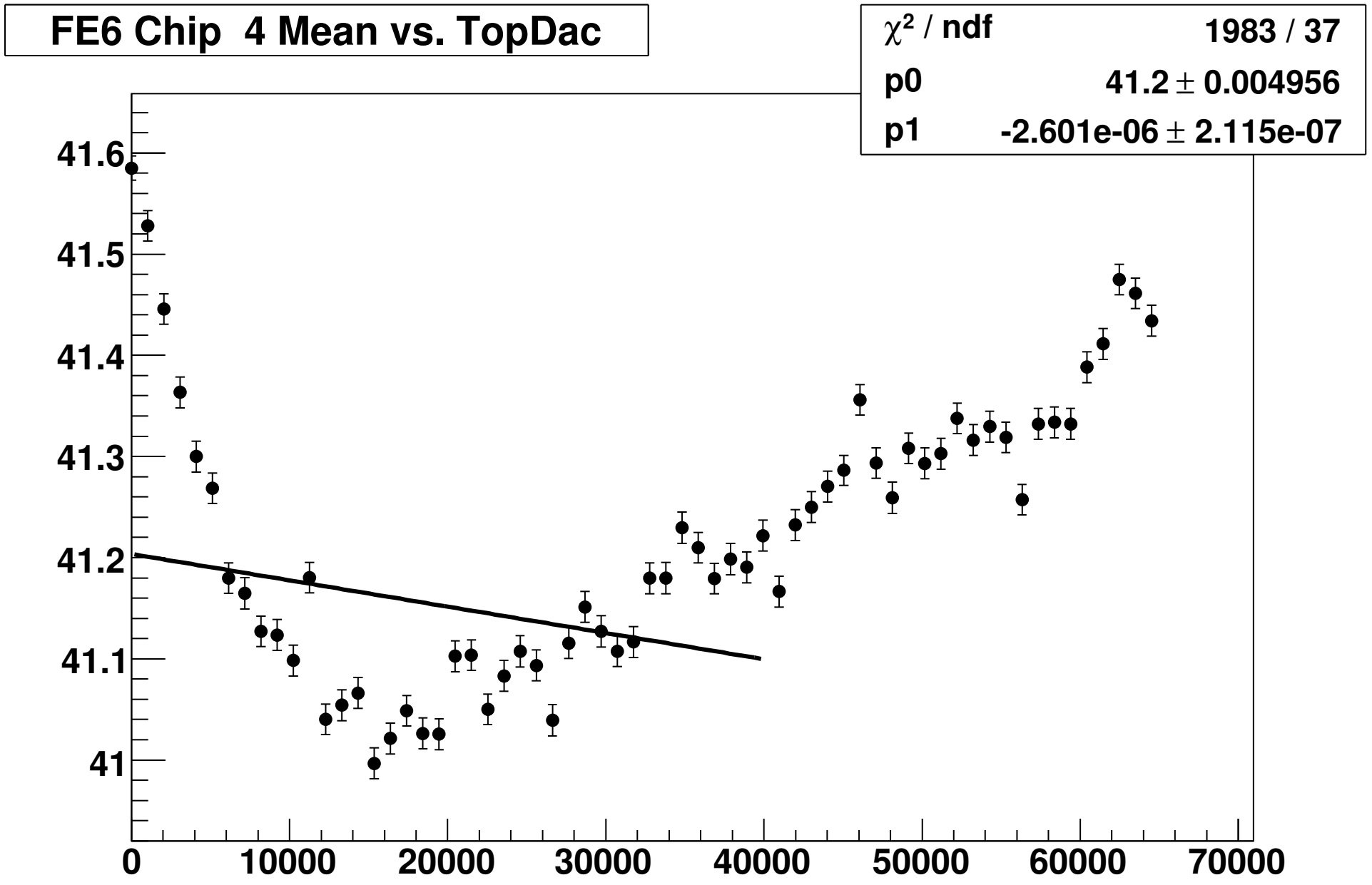
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 595.6 / 37
p0 1.355 ± 0.002781
p1 3.428e-05 ± 2.011e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 1983 / 37
p0 41.2 ± 0.004956
p1 -2.601e-06 ± 2.115e-07
41.6
41.5
41.4
41.3
41.2
41.1
41
0
10000
20000
30000
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50000
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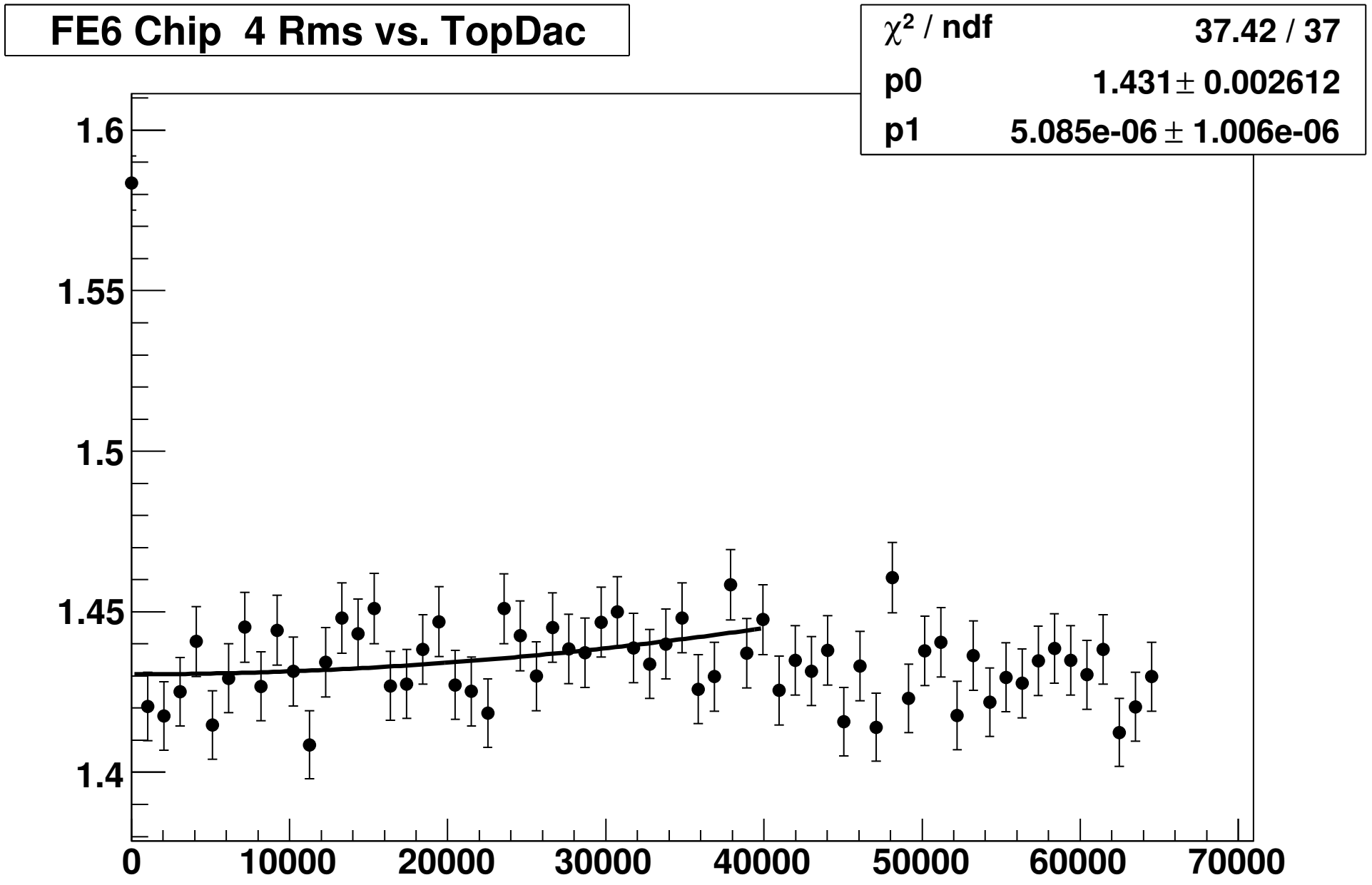
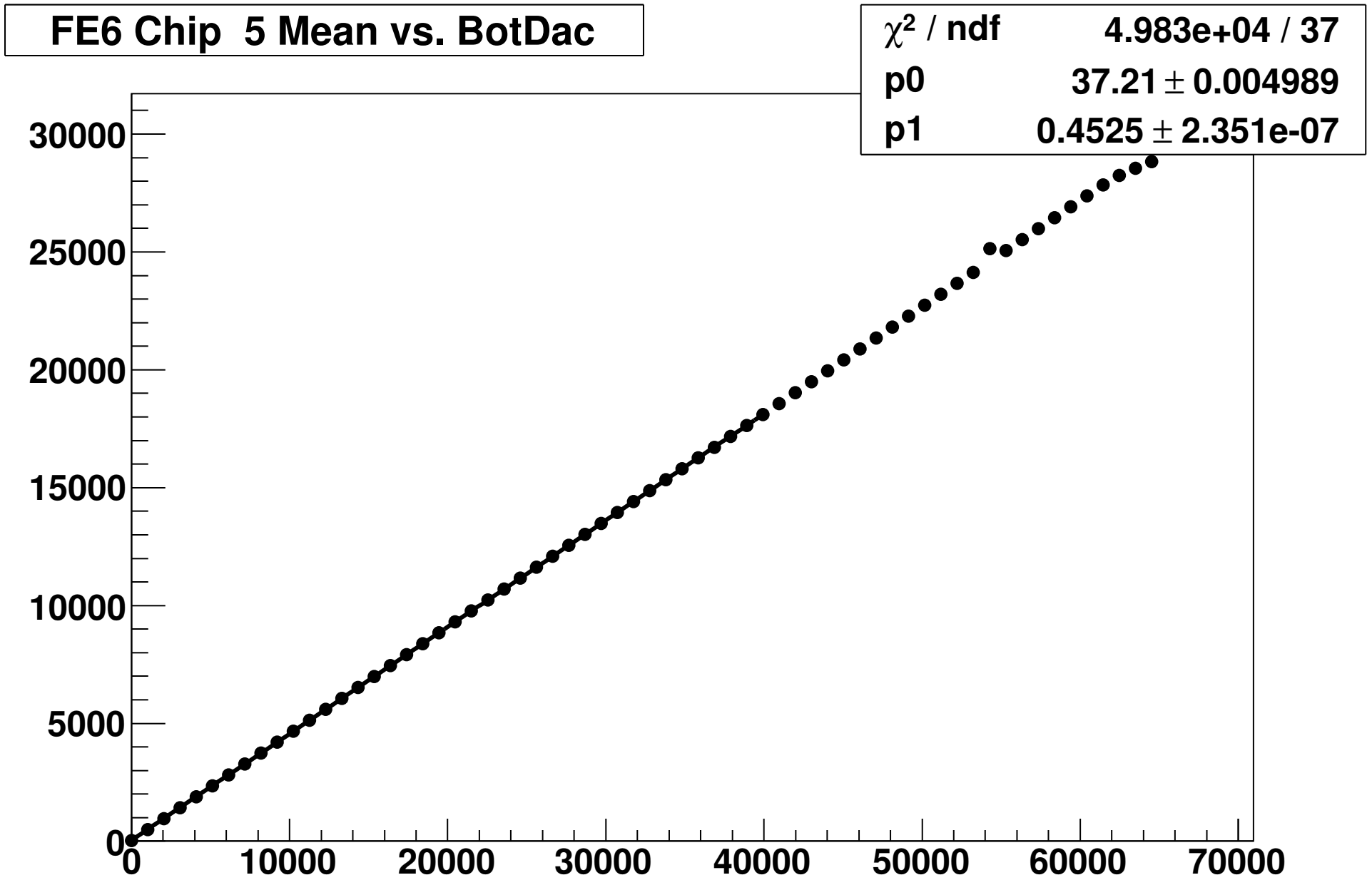
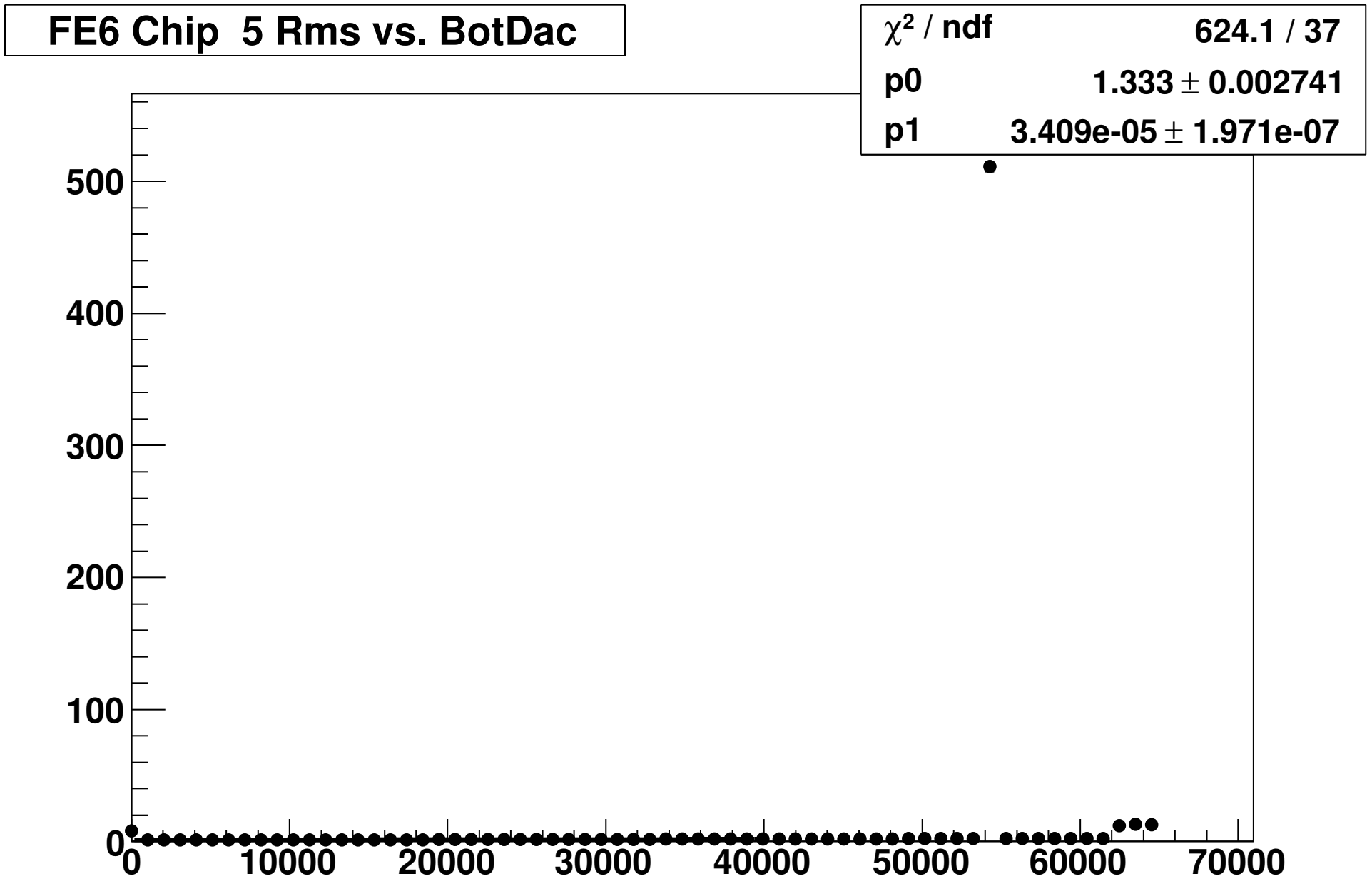
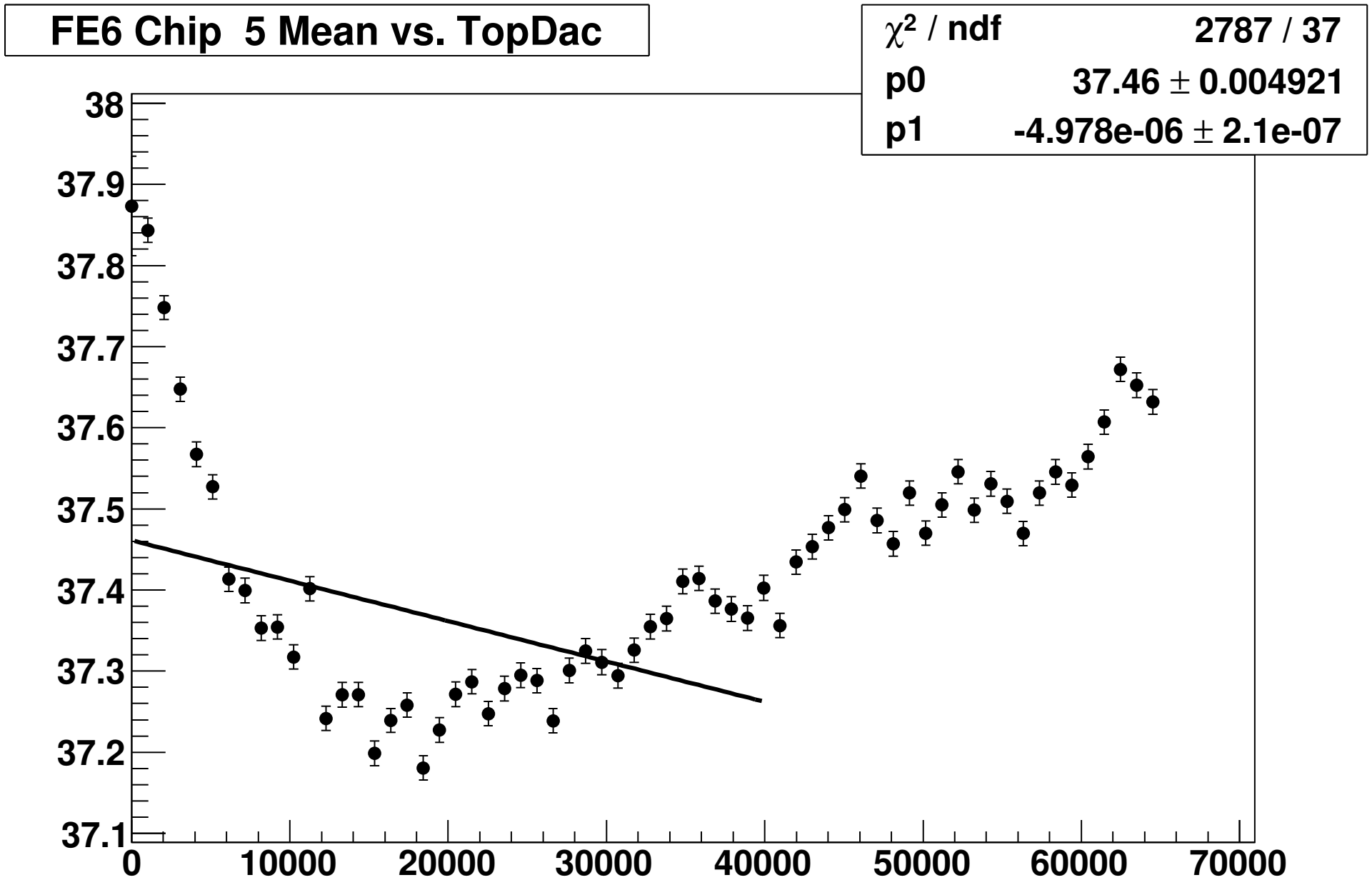
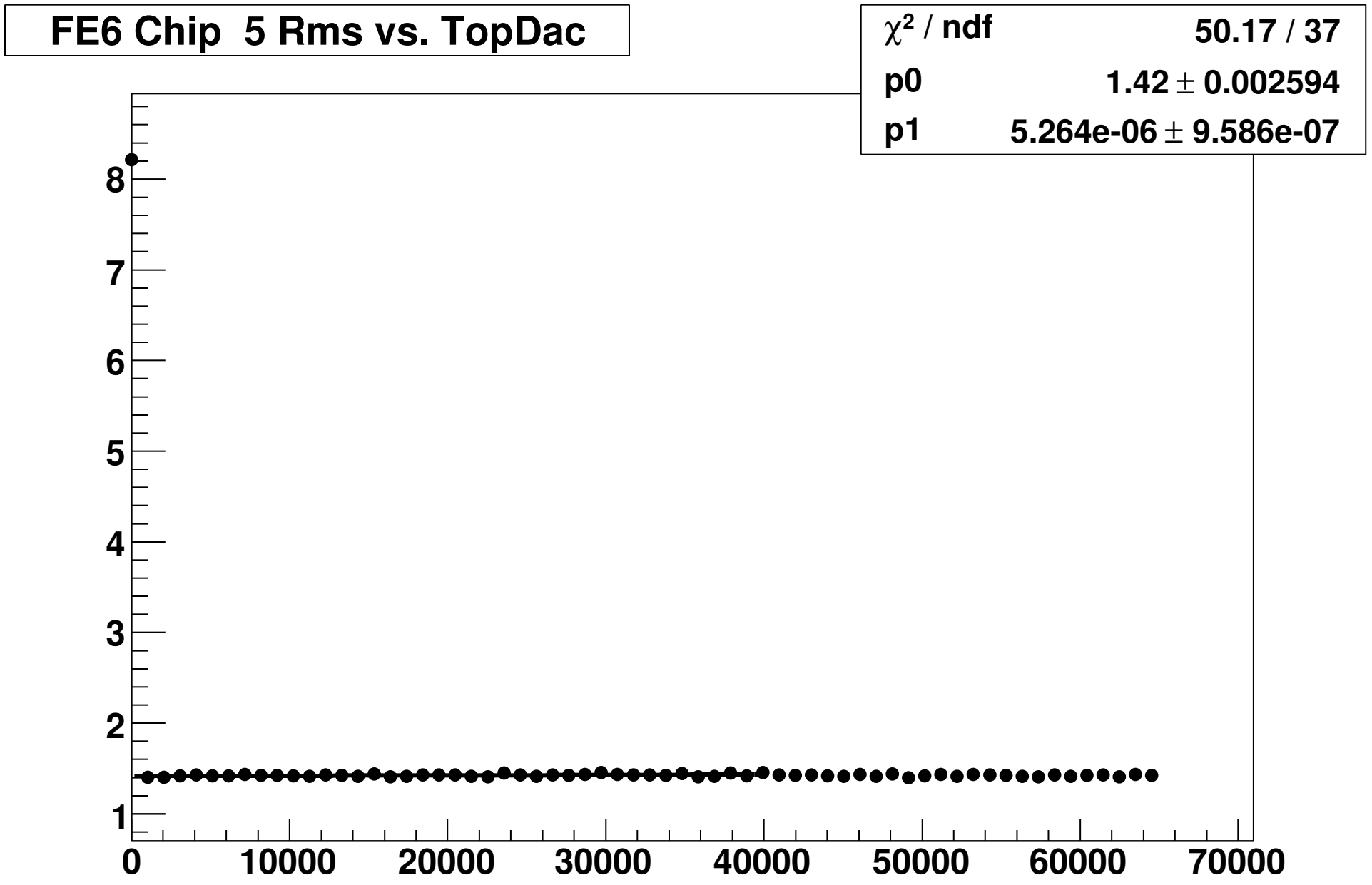
70000

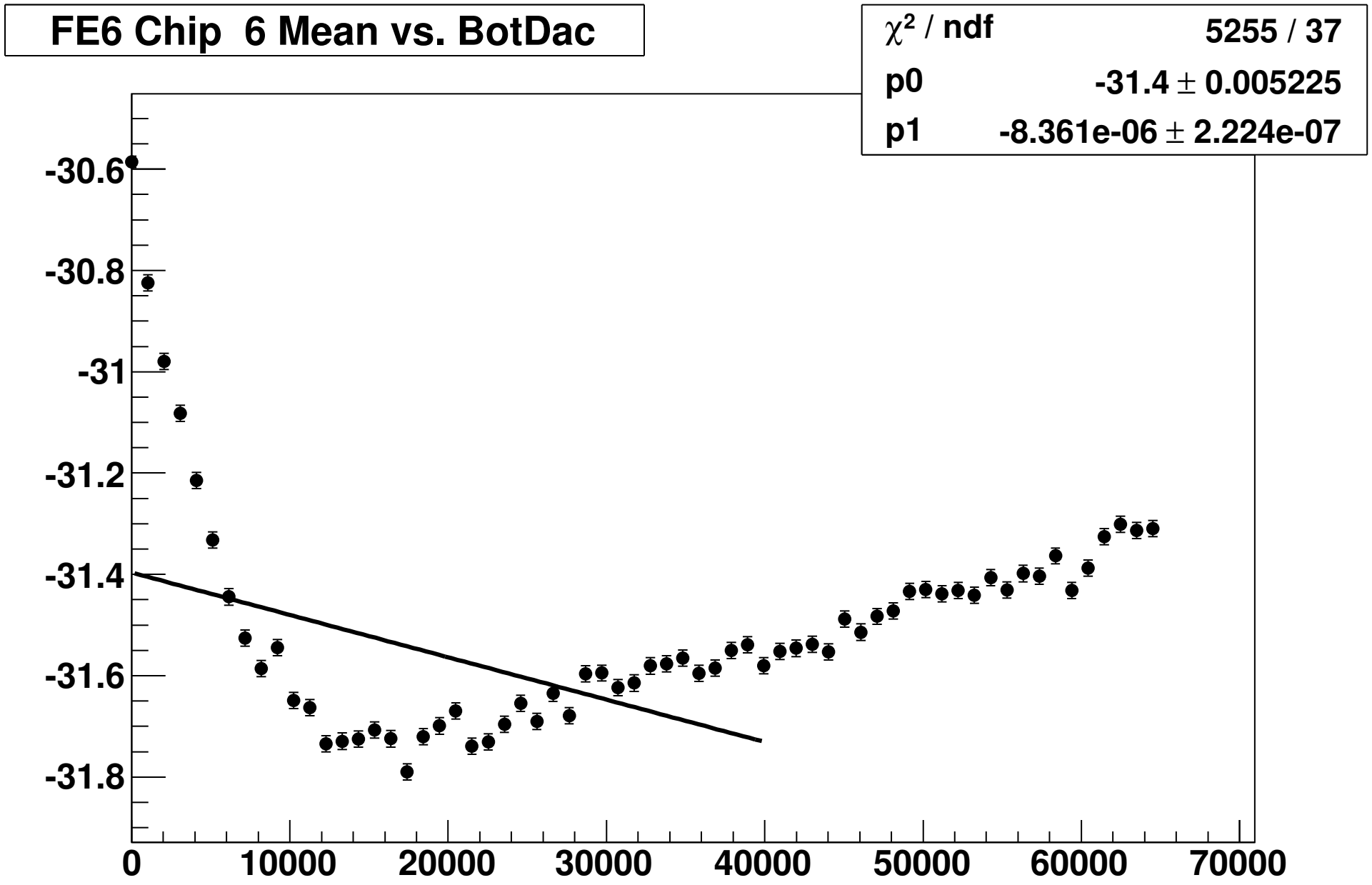

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 37.42 / 37
p0 1.431 ± 0.002612
p1 5.085e-06 ± 1.006e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

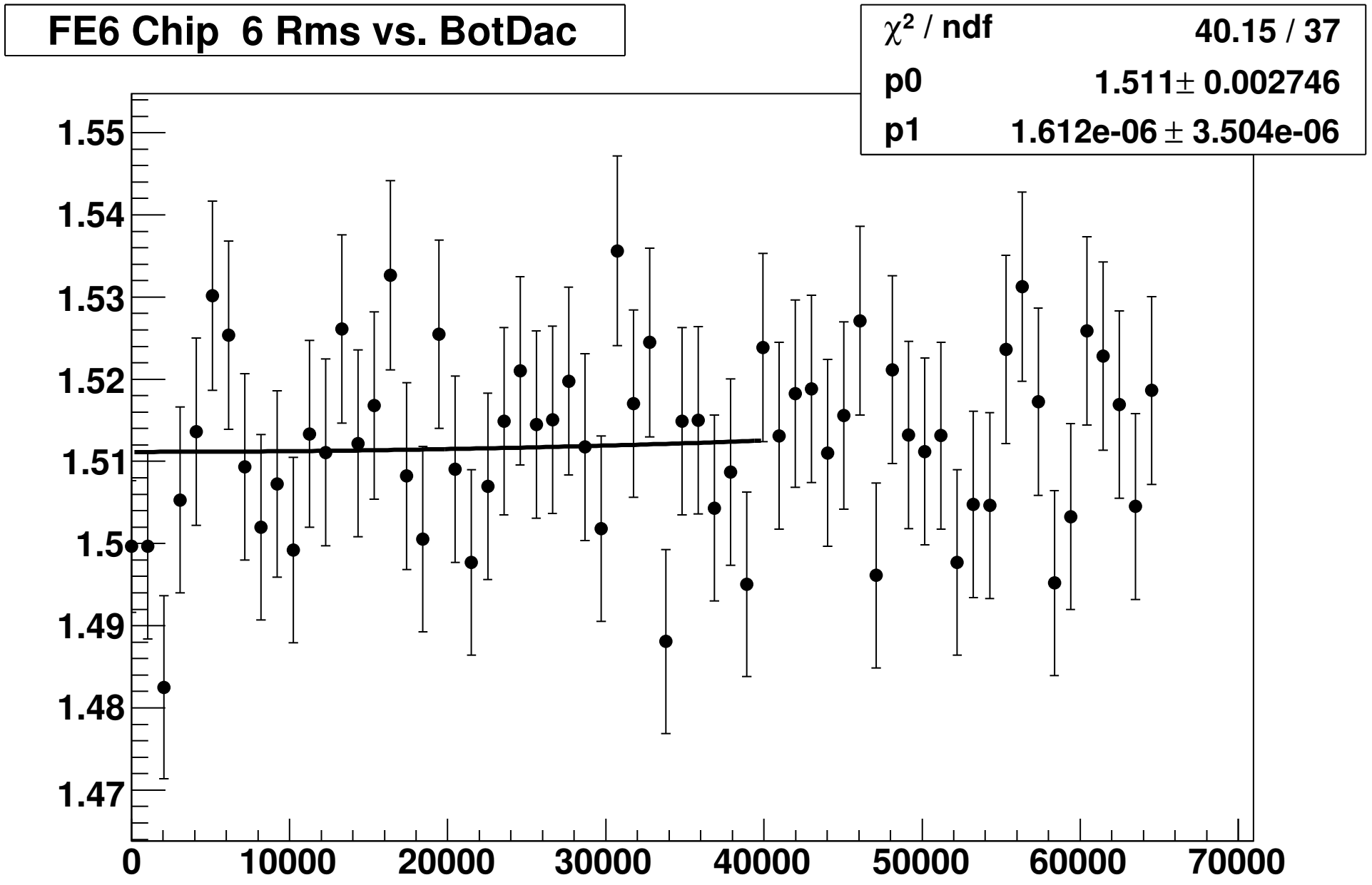

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 4.983e+04 / 37
p0 37.21 ± 0.004989
p1 0.4525 ± 2.351e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

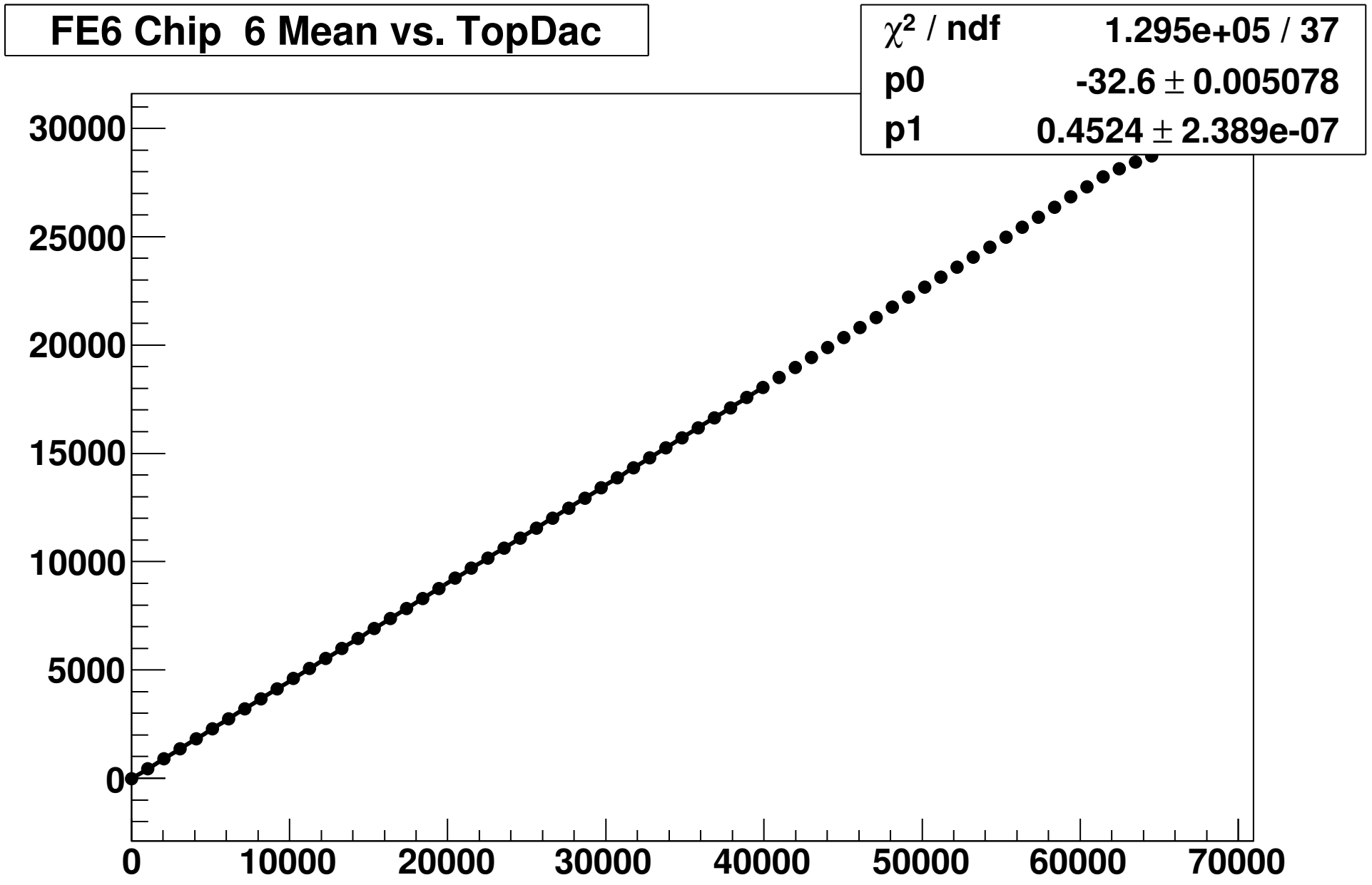

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 624.1 / 37
p0 1.333 ± 0.002741
p1 3.409e-05 ± 1.971e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

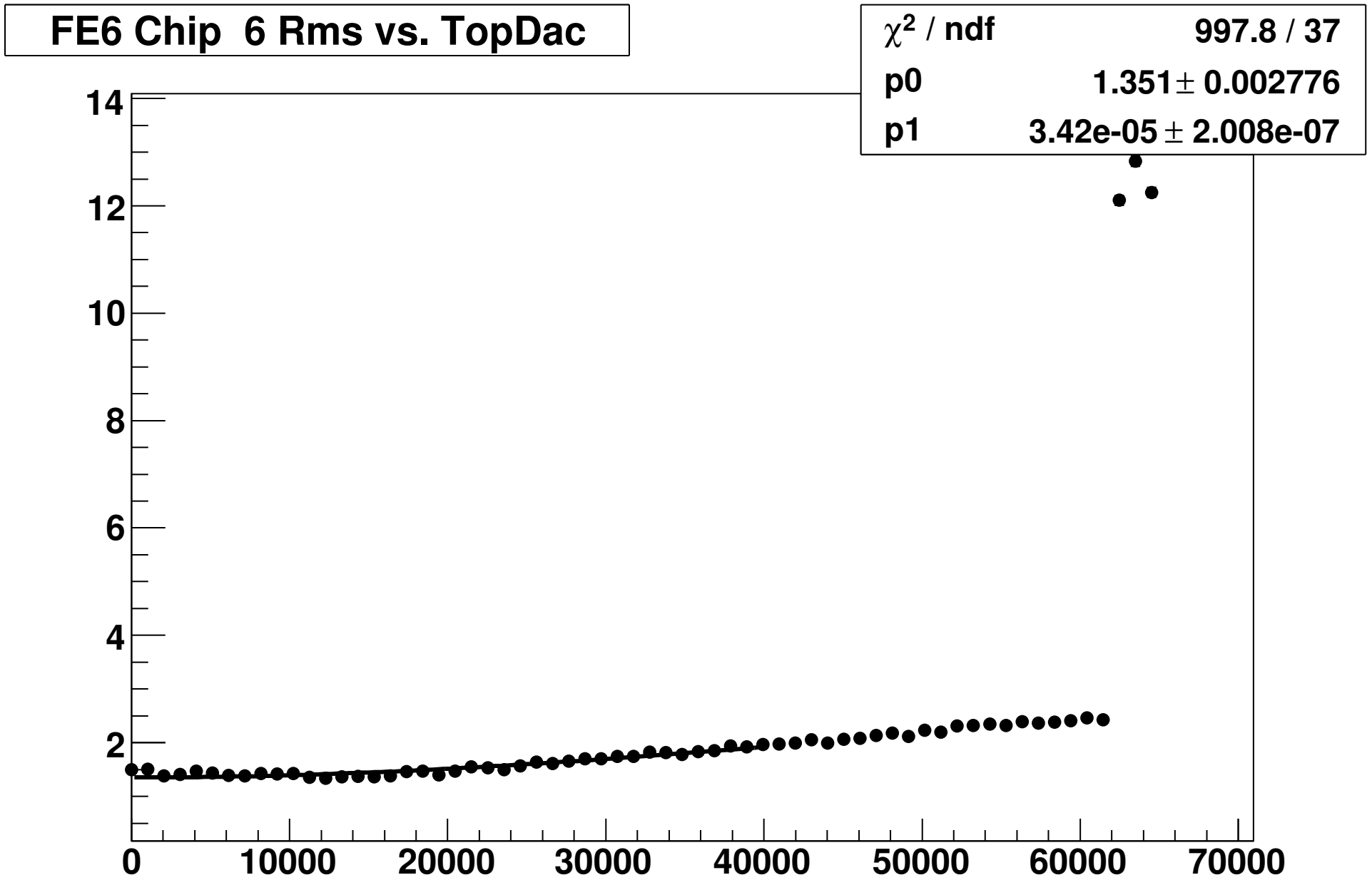

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 2787 / 37
p0 37.46 ± 0.004921
p1 -4.978e-06 ± 2.1e-07
38
37.9
37.8
37.7
37.6
37.5
37.4
37.3
37.2
37.1
0
10000
20000
30000
40000
50000
60000
70000

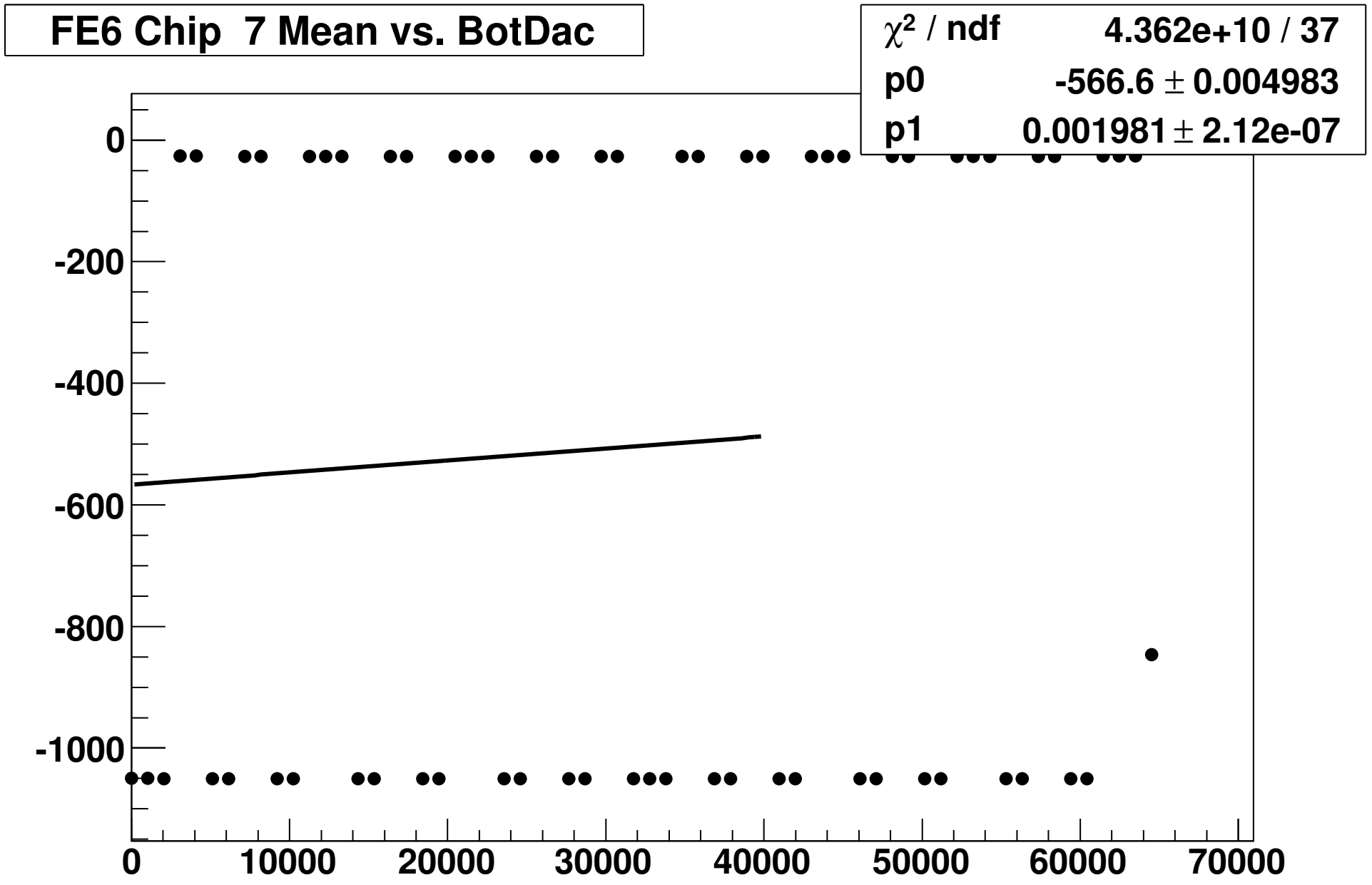

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 50.17 / 37
p0 1.42 ± 0.002594
p1 5.264e-06 ± 9.586e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

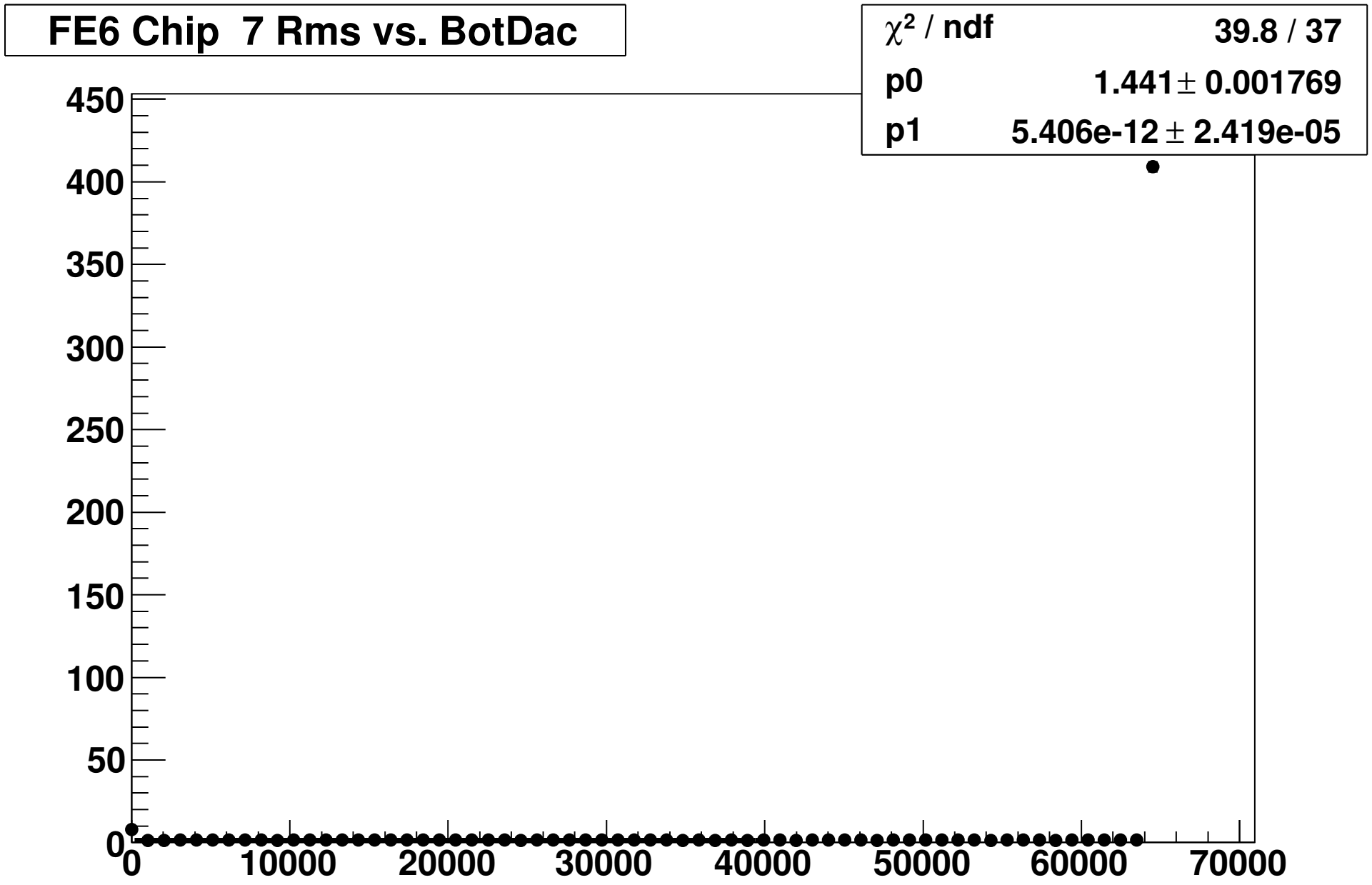

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 5255 / 37
p0 -31.4 ± 0.005225
p1 -8.361e-06 ± 2.224e-07
-30.6
-30.8
-31
-31.2
-31.4
-31.6
-31.8
0
10000
20000
30000
40000
50000
60000
70000

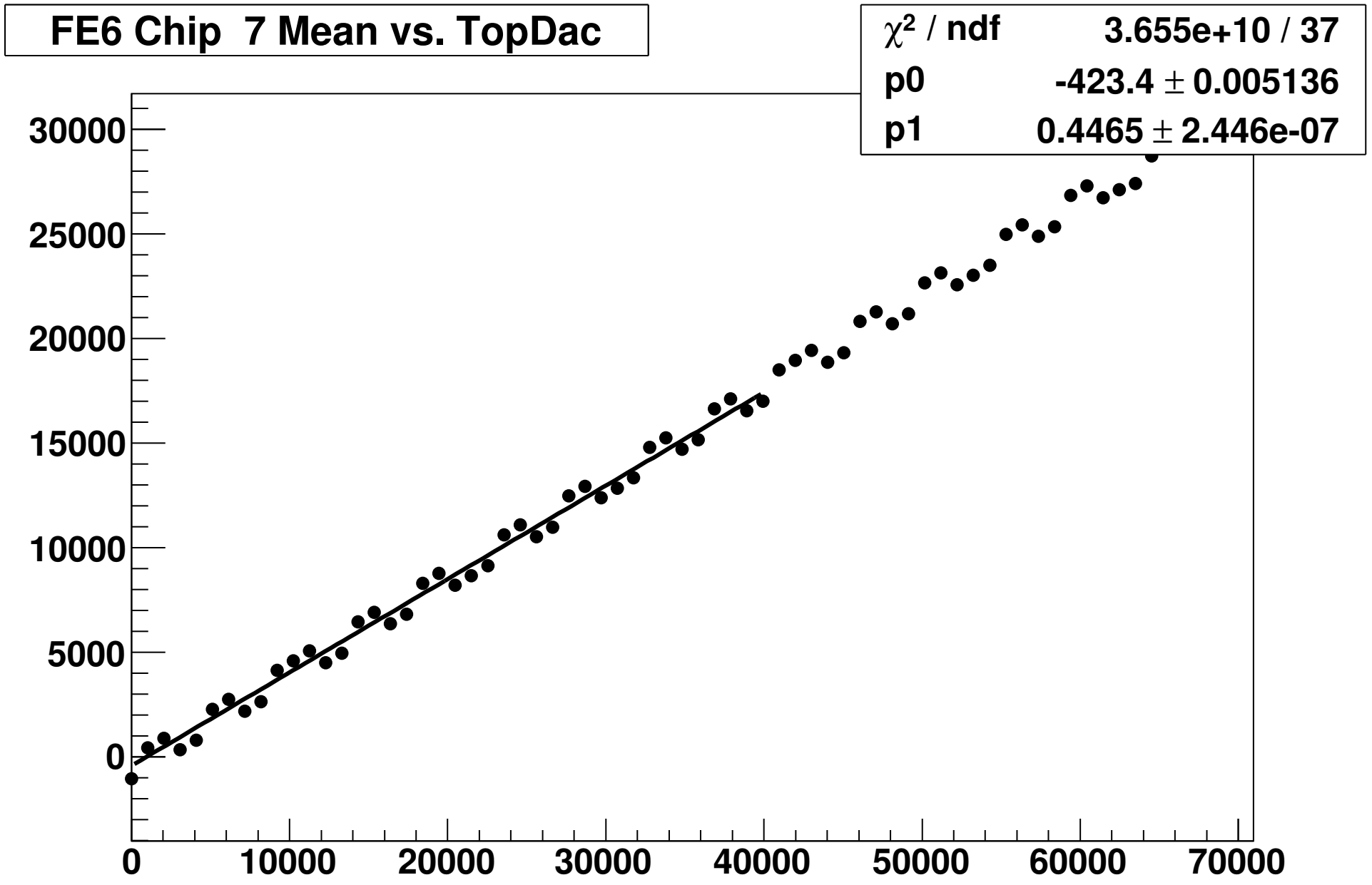

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 40.15 / 37
p0 1.511 ± 0.002746
p1 1.612e-06 ± 3.504e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.295e+05 / 37
p0 -32.6 ± 0.005078
p1 0.4524 ± 2.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 997.8 / 37
p0 1.351 ± 0.002776
p1 3.42e-05 ± 2.008e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 4.362e+10 / 37
p0 -566.6 ± 0.004983
p1 0.001981 ± 2.12e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 39.8 / 37
p0 1.441 ± 0.001769
p1 5.406e-12 ± 2.419e-05
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 3.655e+10 / 37
p0 -423.4 ± 0.005136
p1 0.4465 ± 2.446e-07
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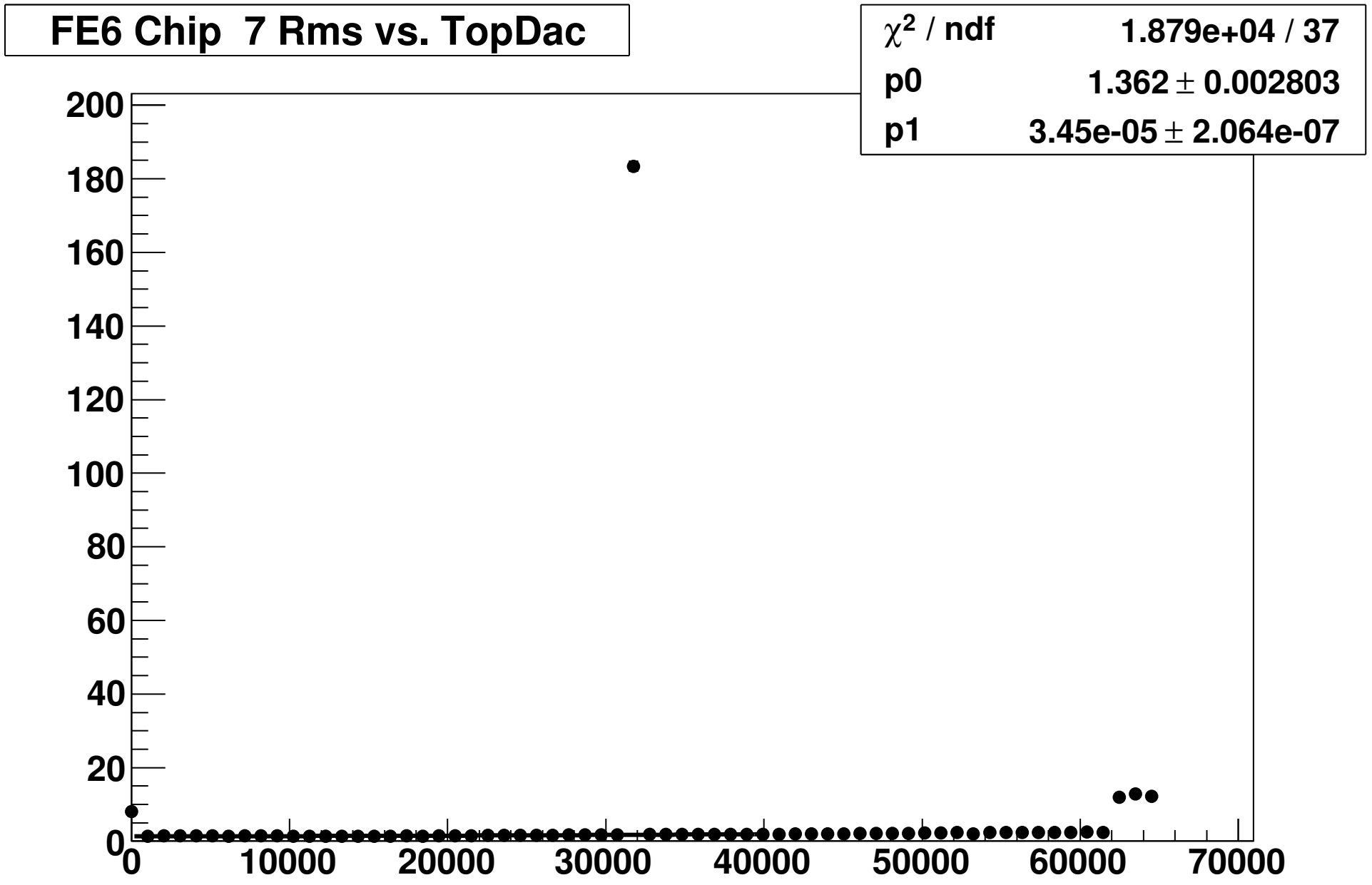
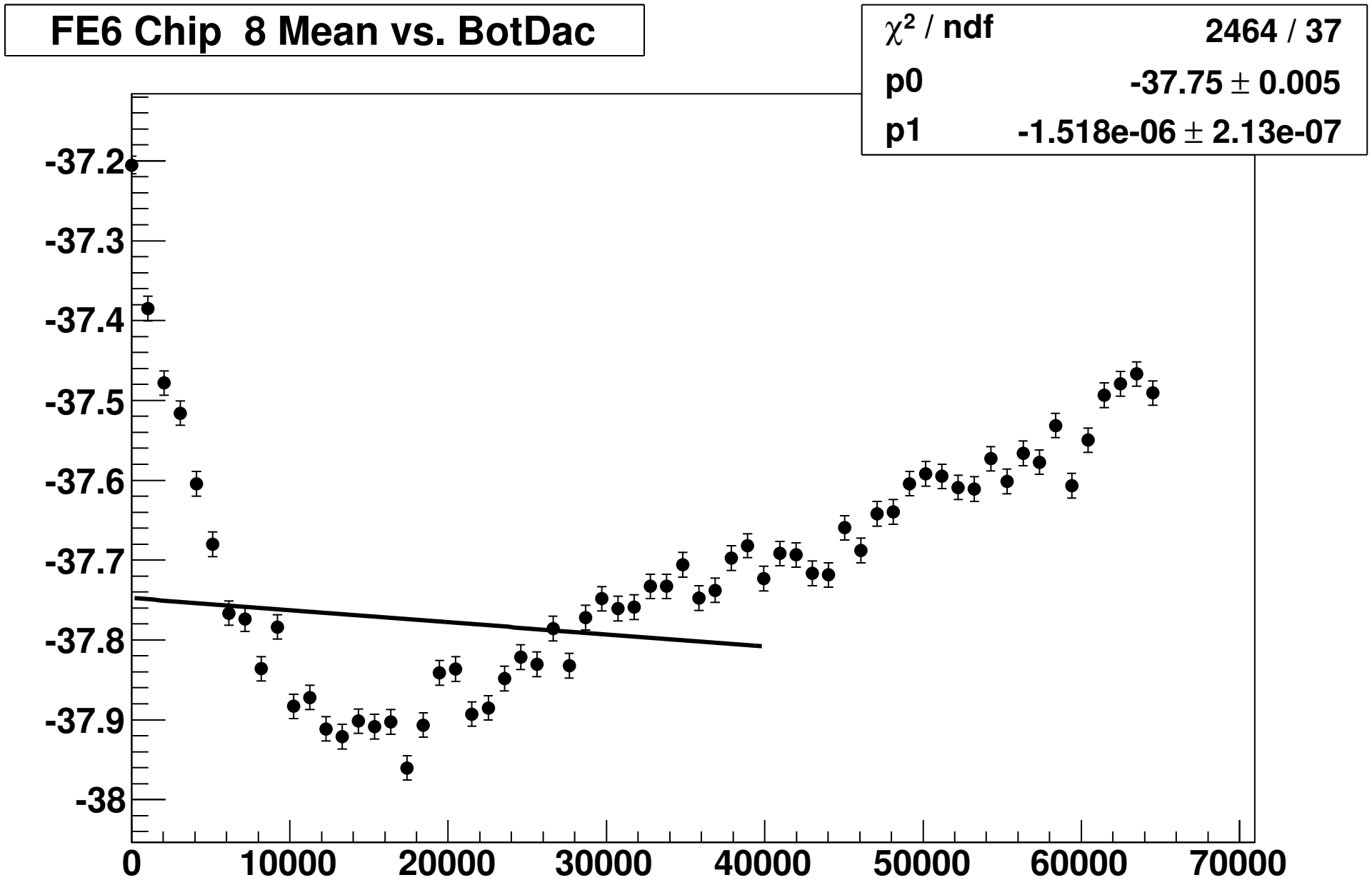
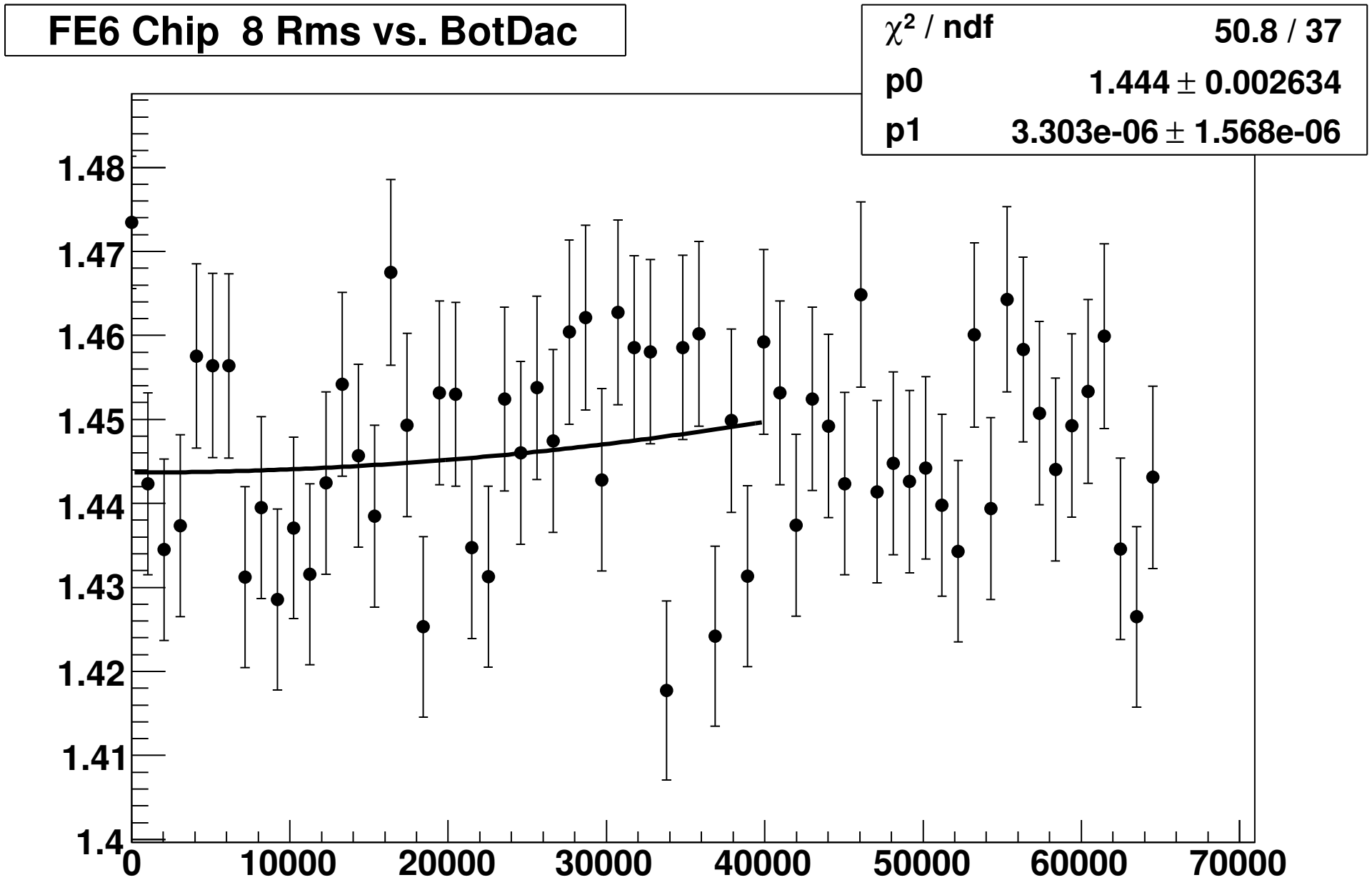
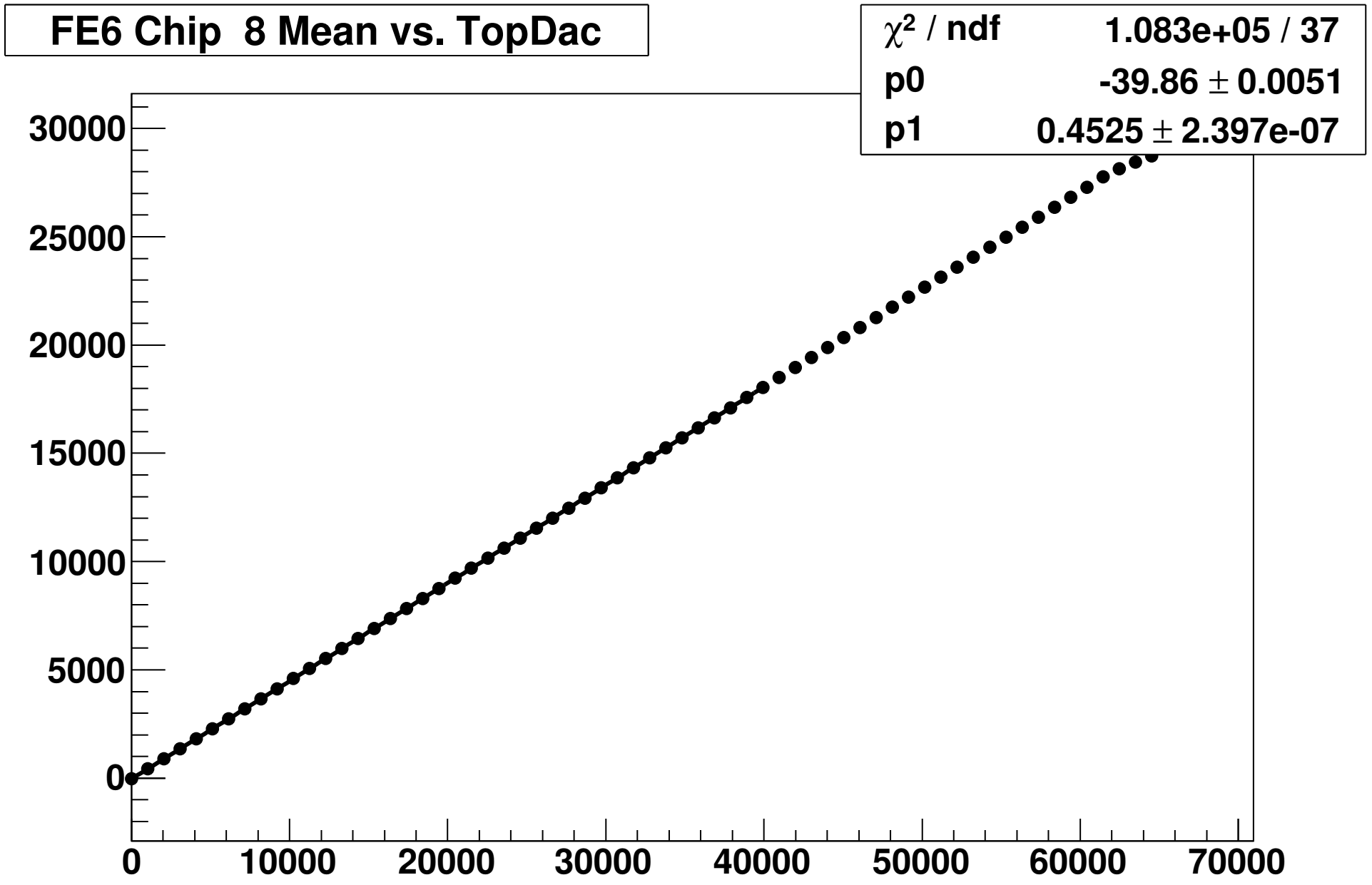
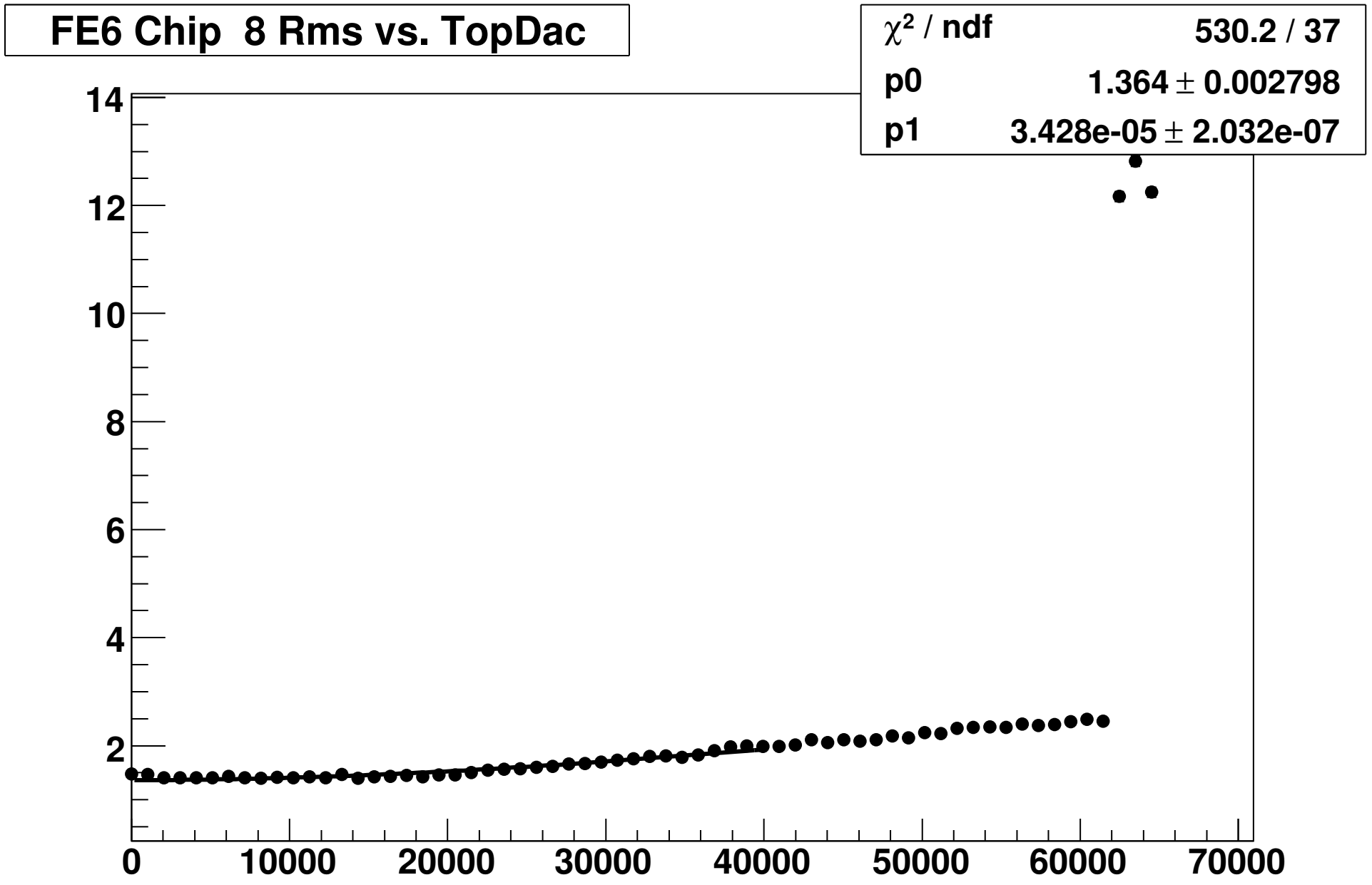
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1.879e+04 / 37
p0 1.362 ± 0.002803
p1 3.45e-05 ± 2.064e-07
200
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 2464 / 37
p0 -37.75 ± 0.005
p1 -1.518e-06 ± 2.13e-07
-37.2
-37.3
-37.4
-37.5
-37.6
-37.7
-37.8
-37.9
-38
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 50.8 / 37
p0 1.444 ± 0.002634
p1 3.303e-06 ± 1.568e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.083e+05 / 37
p0 -39.86 ± 0.0051
p1 0.4525 ± 2.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 530.2 / 37
p0 1.364 ± 0.002798
p1 3.428e-05 ± 2.032e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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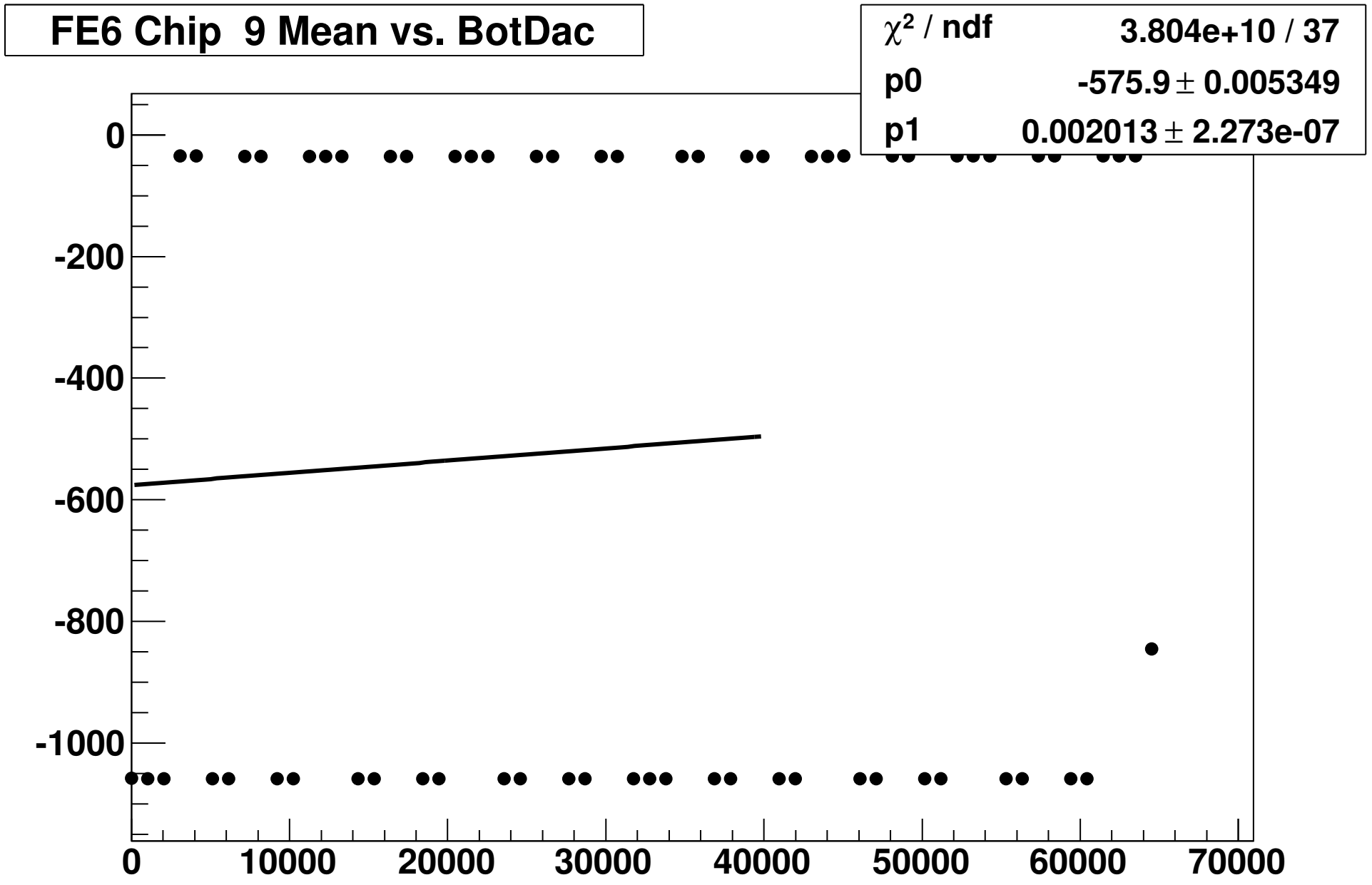
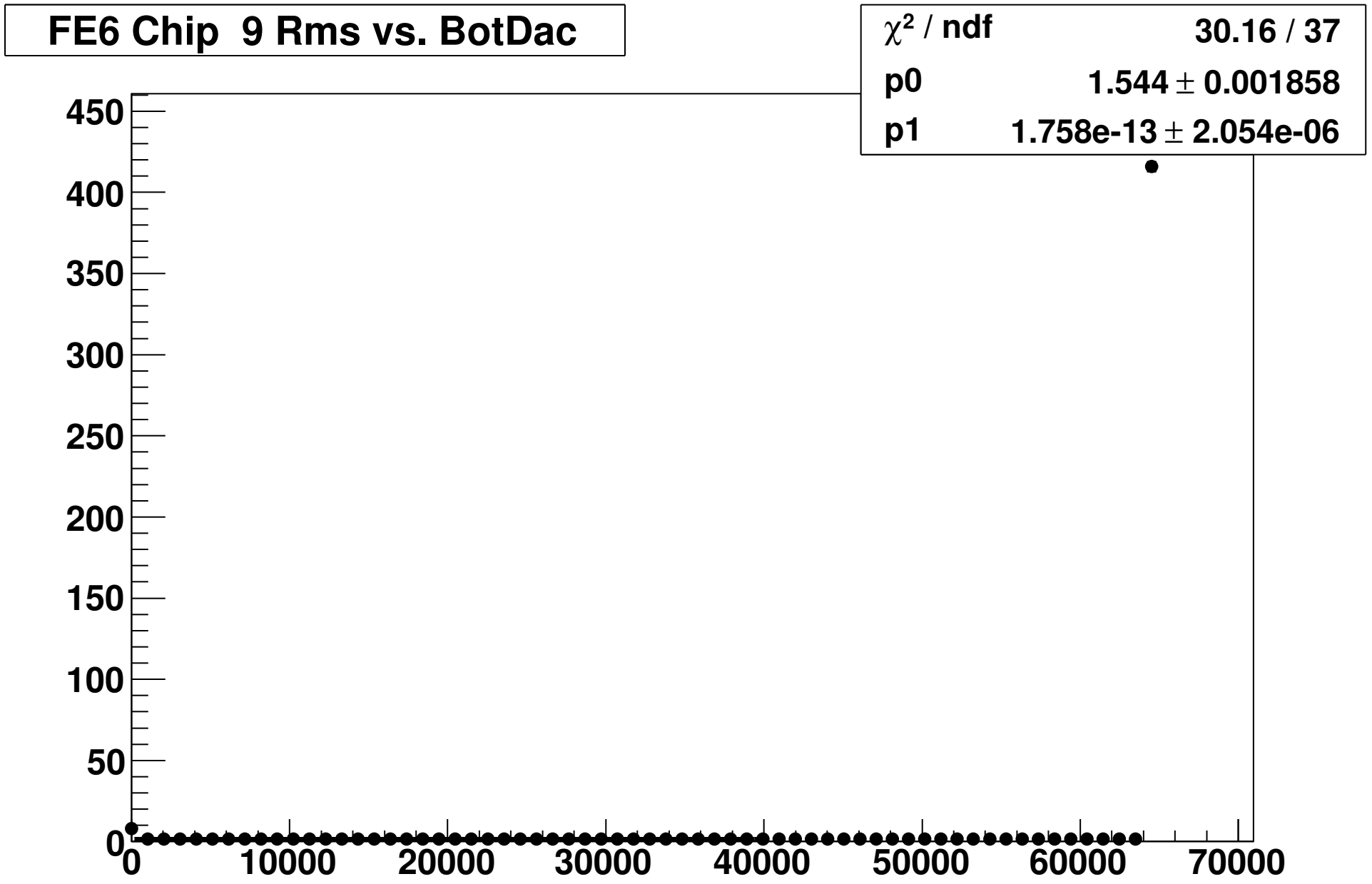
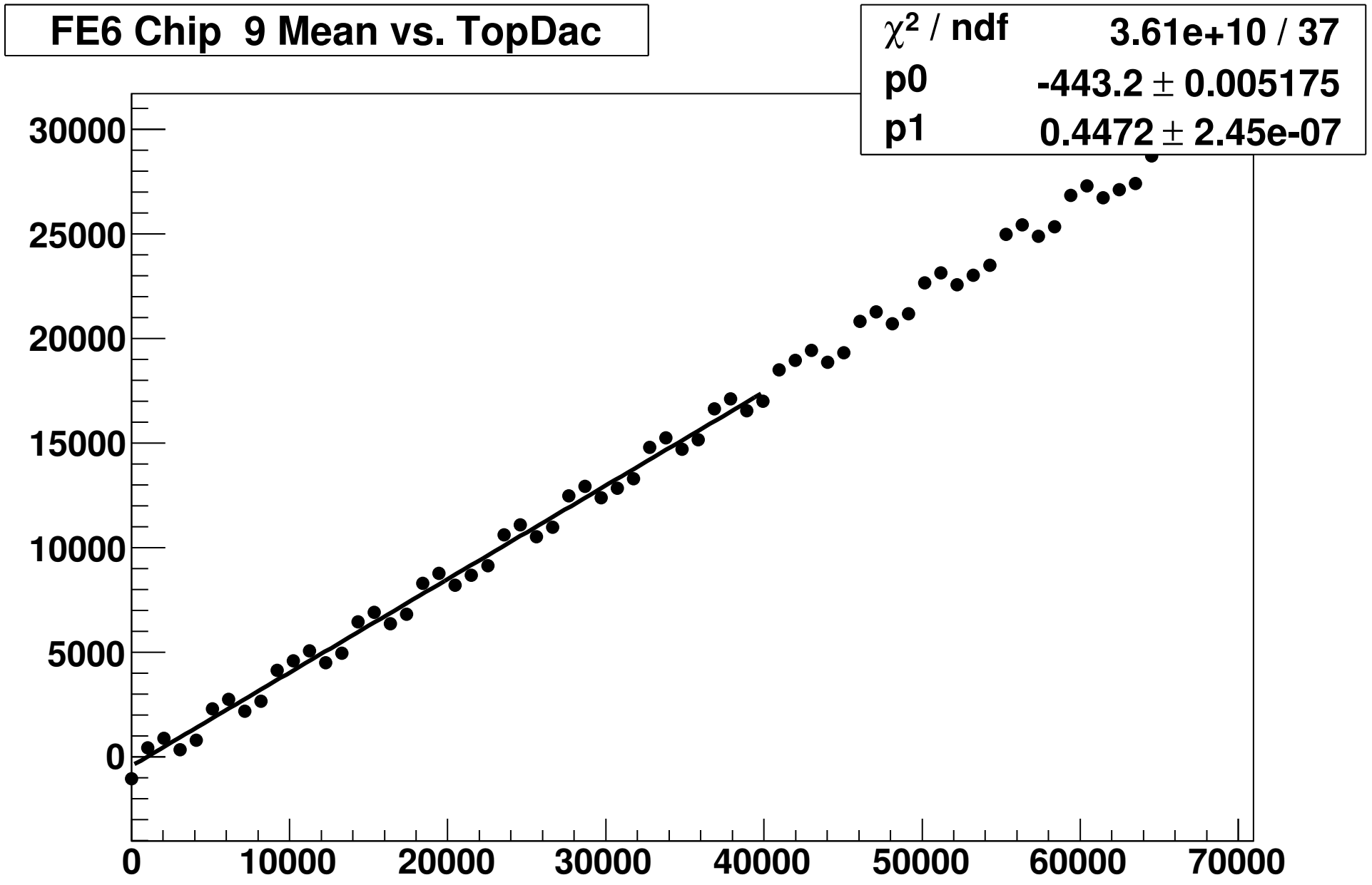
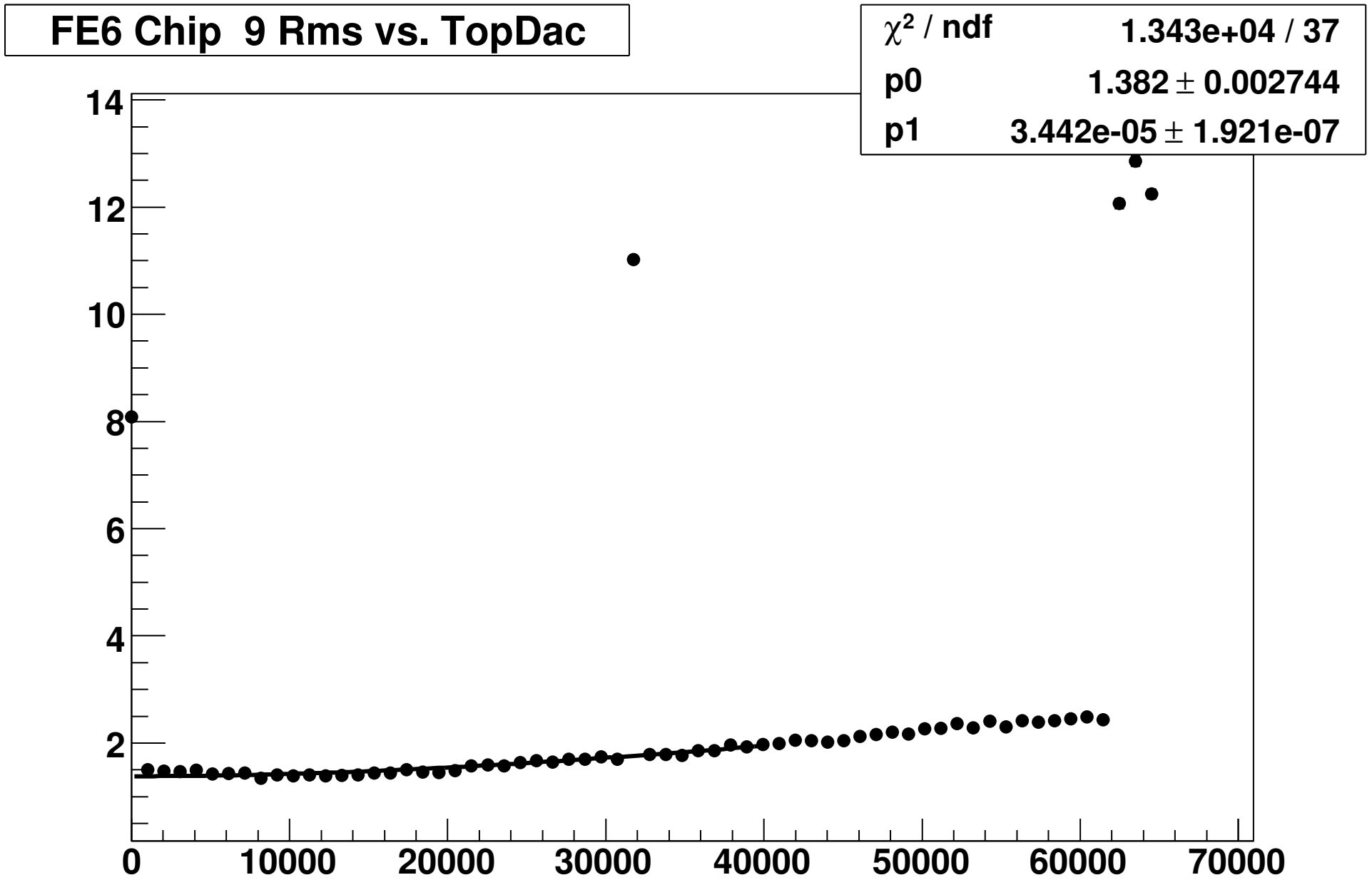
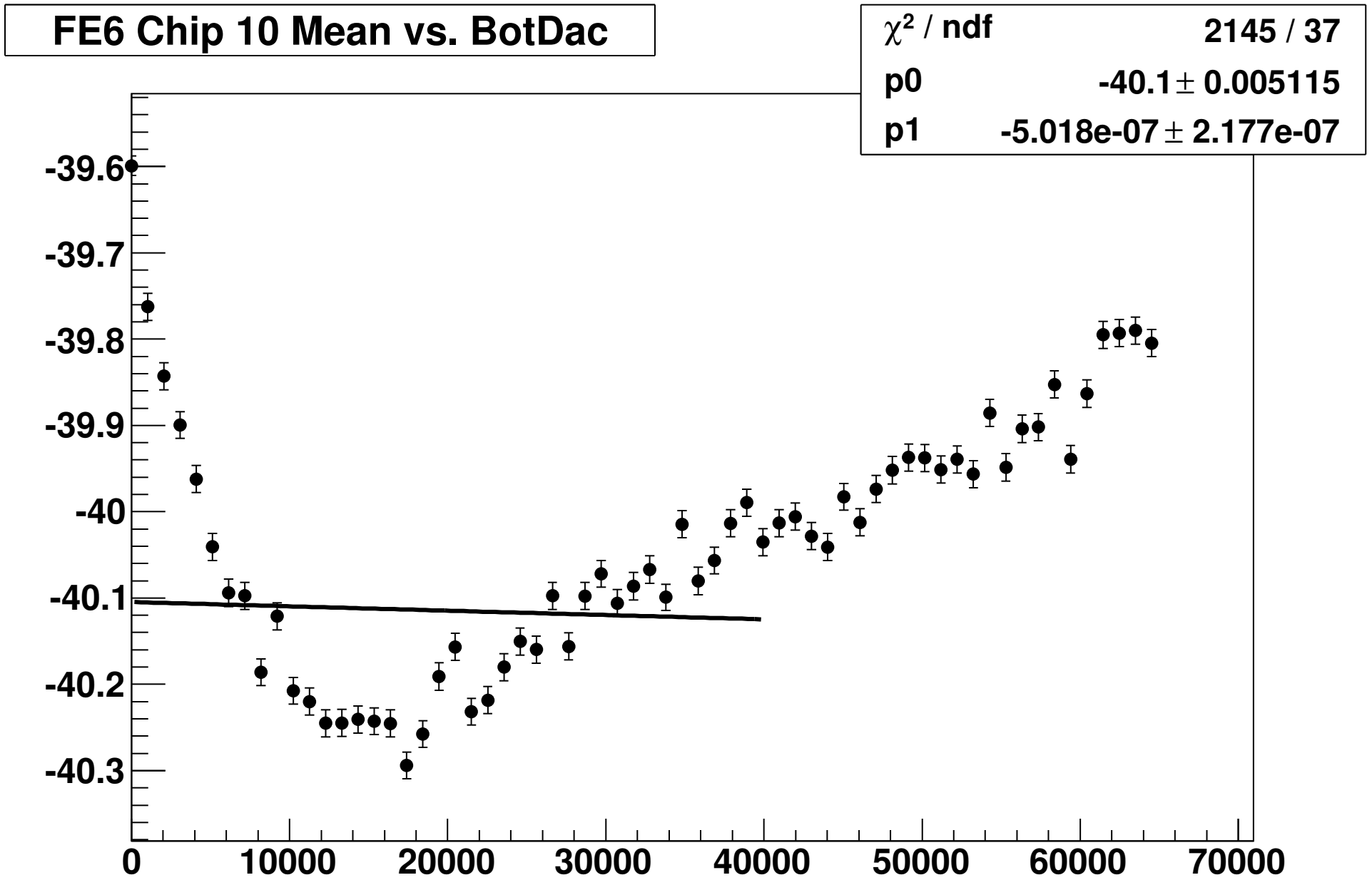
60000
70000

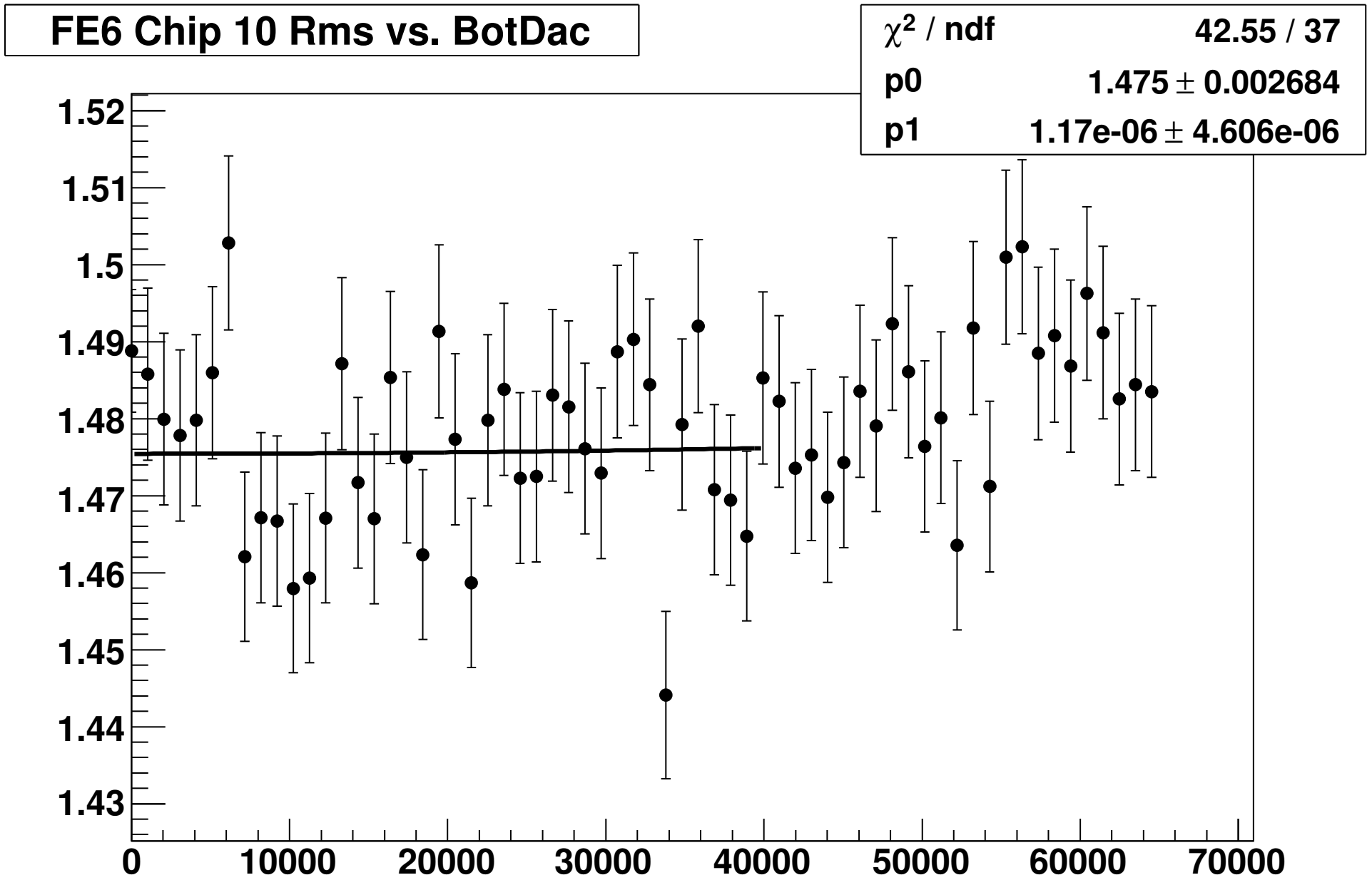

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 3.804e+10 / 37
p0 -575.9 ± 0.005349
p1 0.002013 ± 2.273e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 30.16 / 37
p0 1.544 ± 0.001858
p1 1.758e-13 ± 2.054e-06
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 3.61e+10 / 37
p0 -443.2 ± 0.005175
p1 0.4472 ± 2.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1.343e+04 / 37
p0 1.382 ± 0.002744
p1 3.442e-05 ± 1.921e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 2145 / 37
p0 -40.1 ± 0.005115
p1 -5.018e-07 ± 2.177e-07
-39.6
-39.7
-39.8
-39.9
-40
-40.1
-40.2
-40.3
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 42.55 / 37
p0 1.475 ± 0.002684
p1 1.17e-06 ± 4.606e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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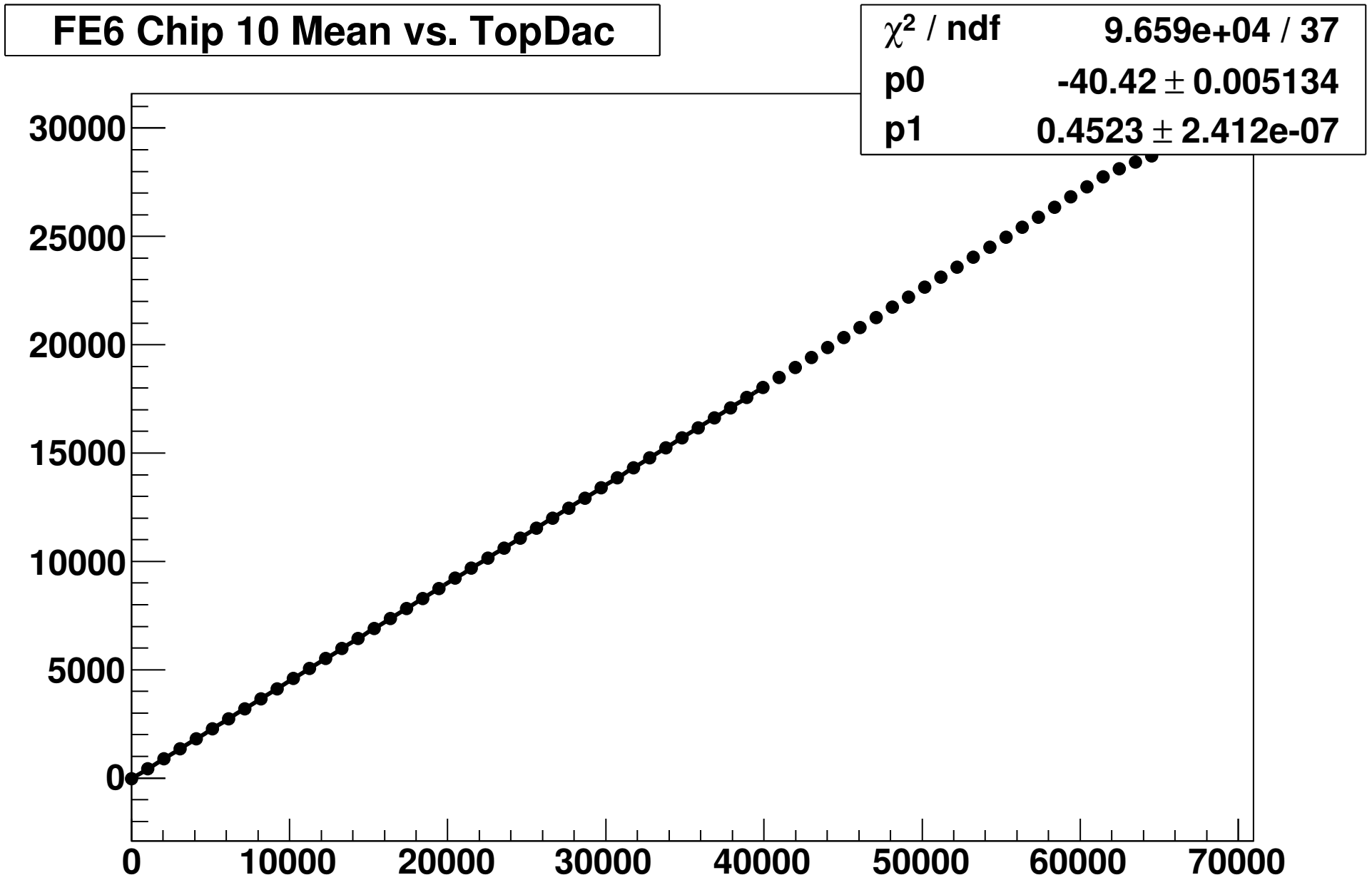
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 9.659e+04 / 37
p0 -40.42 ± 0.005134
p1 0.4523 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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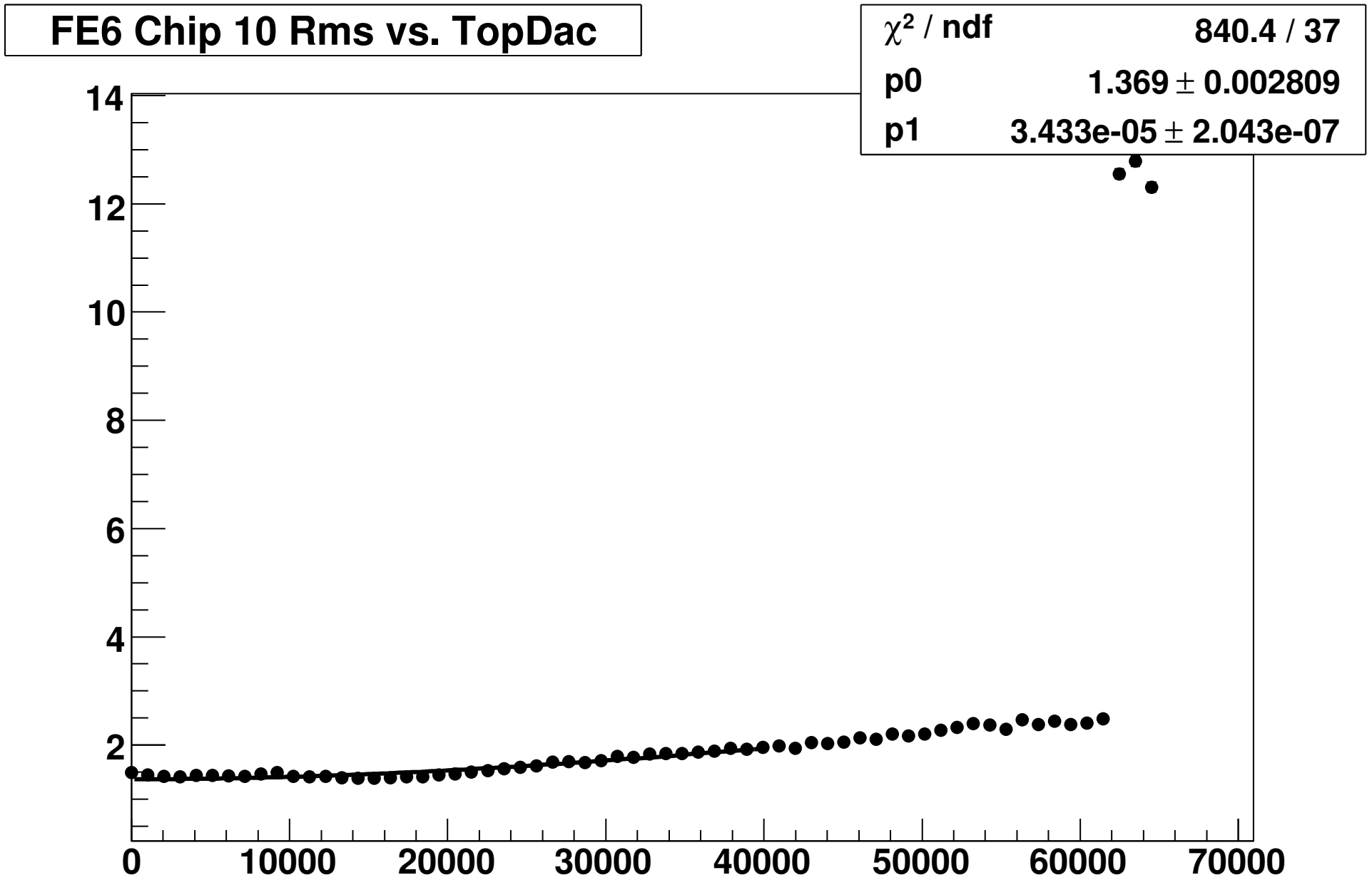
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 840.4 / 37
p0 1.369 ± 0.002809
p1 3.433e-05 ± 2.043e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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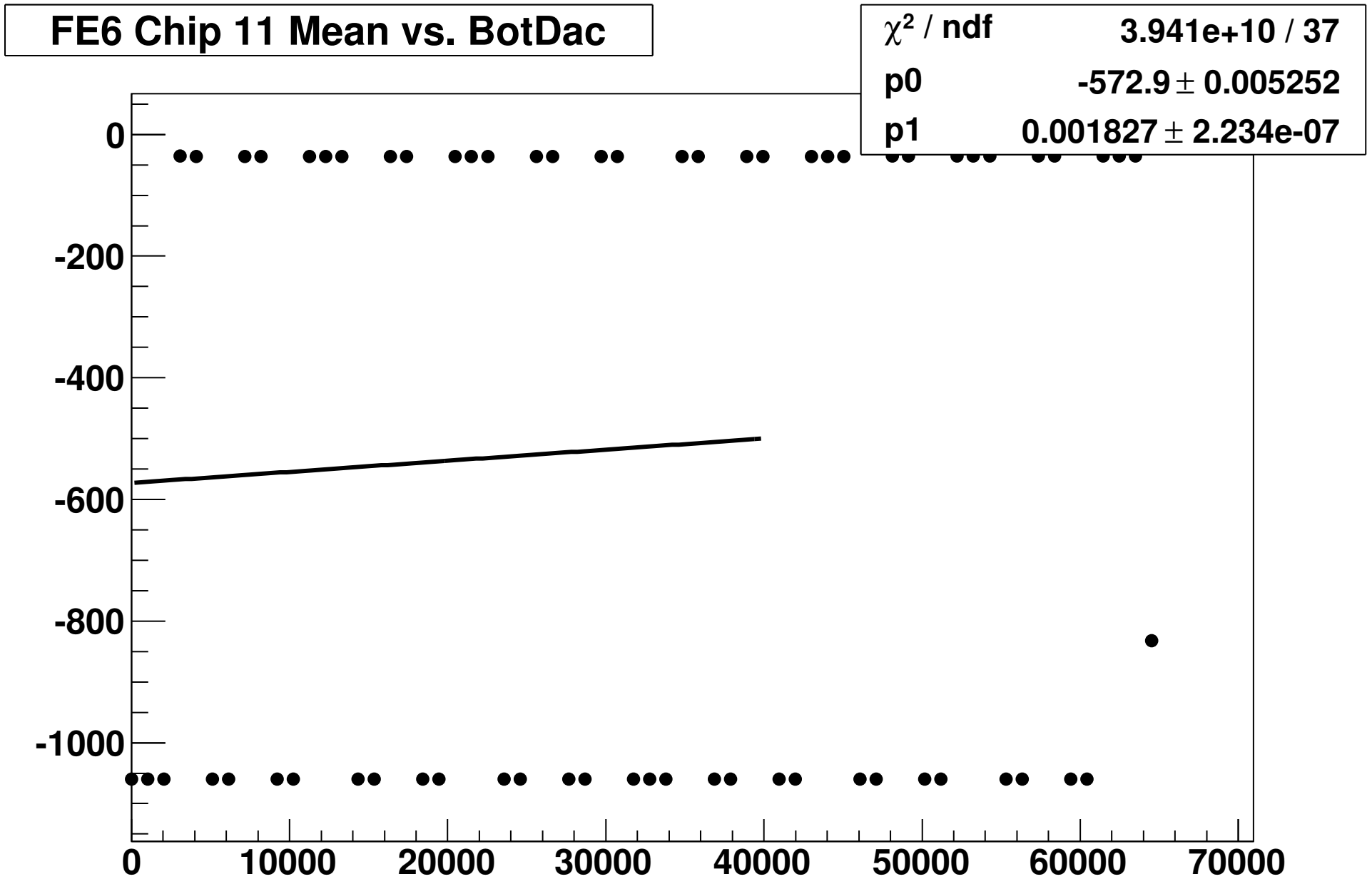
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 3.941e+10 / 37
p0 -572.9 ± 0.005252
p1 0.001827 ± 2.234e-07
0
-200
-400
-600
-800
-1000
0
10000
20000
30000
40000
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60000
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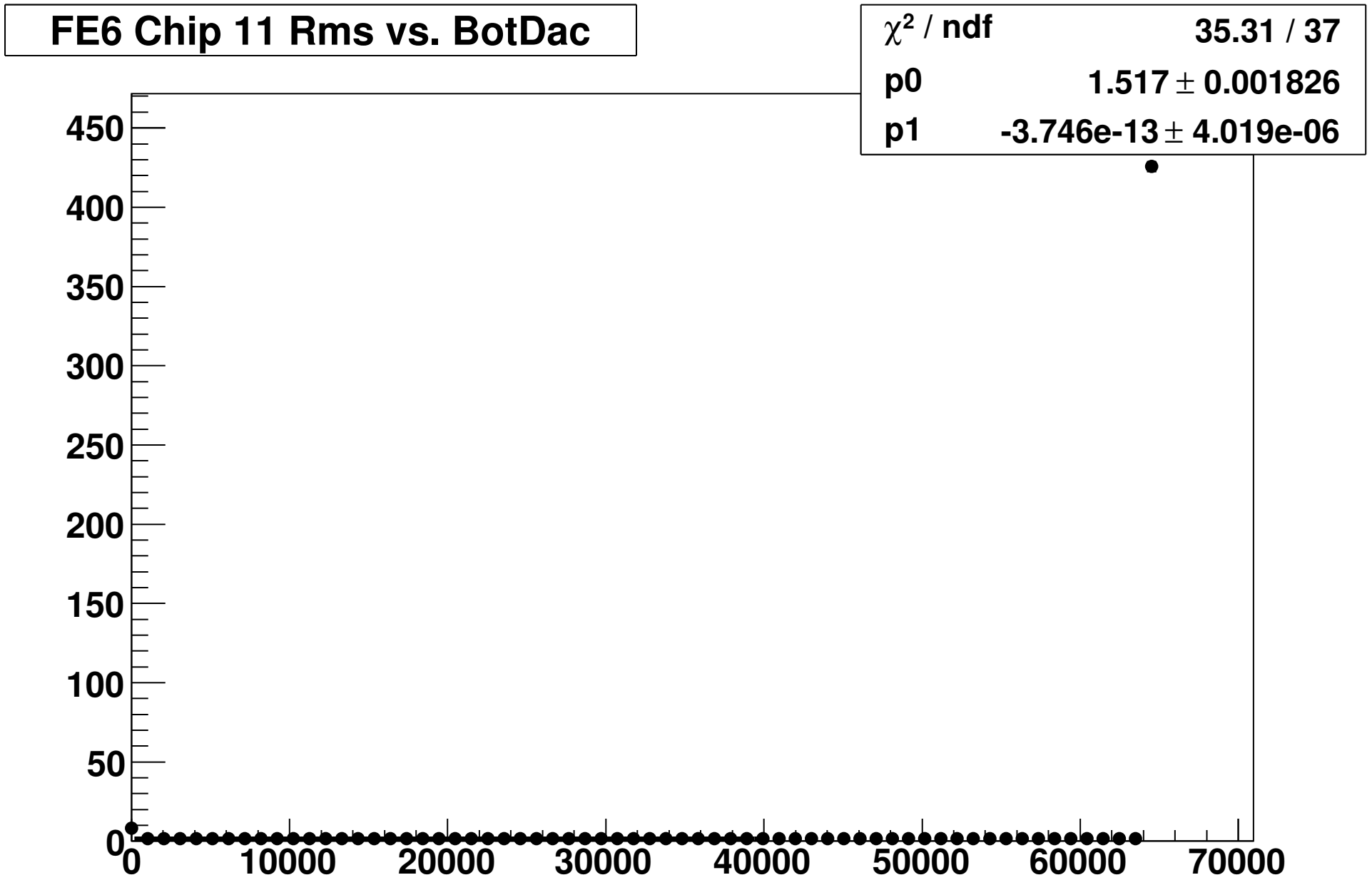
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 35.31 / 37
p0 1.517 ± 0.001826
p1 -3.746e-13 ± 4.019e-06
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
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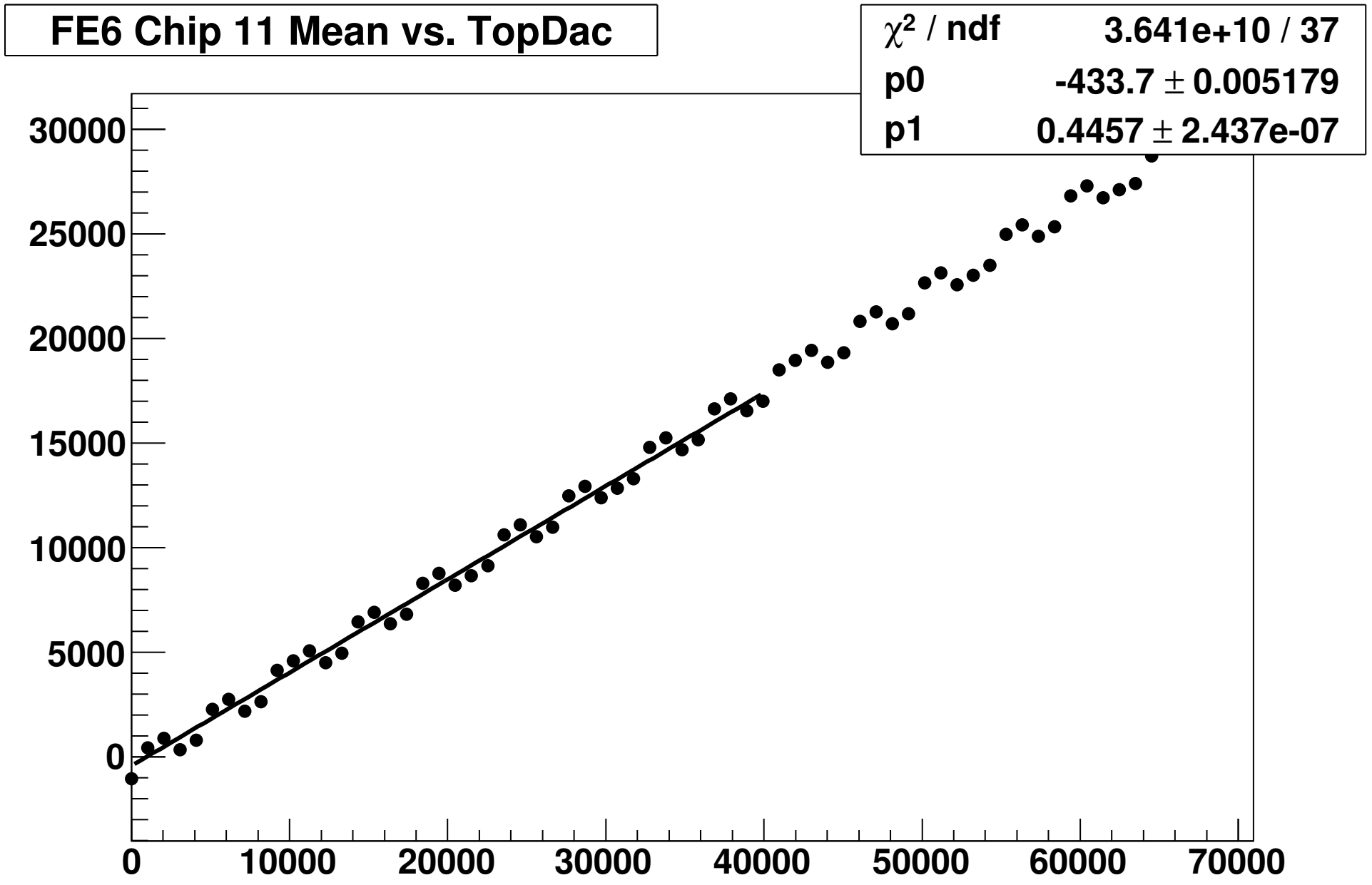
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 3.641e+10 / 37
p0 -433.7 ± 0.005179
p1 0.4457 ± 2.437e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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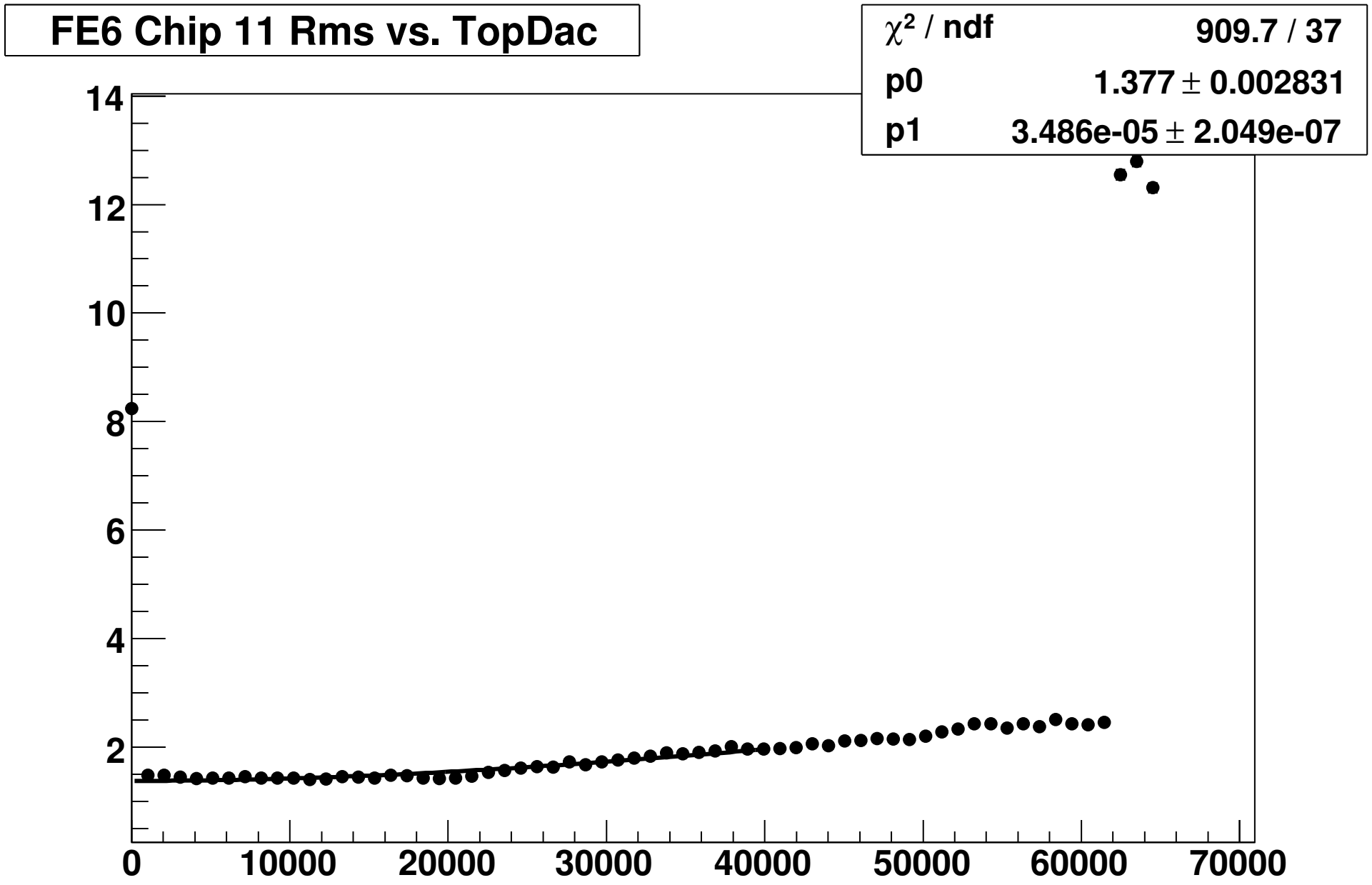
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 909.7 / 37
p0 1.377 ± 0.002831
p1 3.486e-05 ± 2.049e-07
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12
10
8
6
4
2
0
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30000
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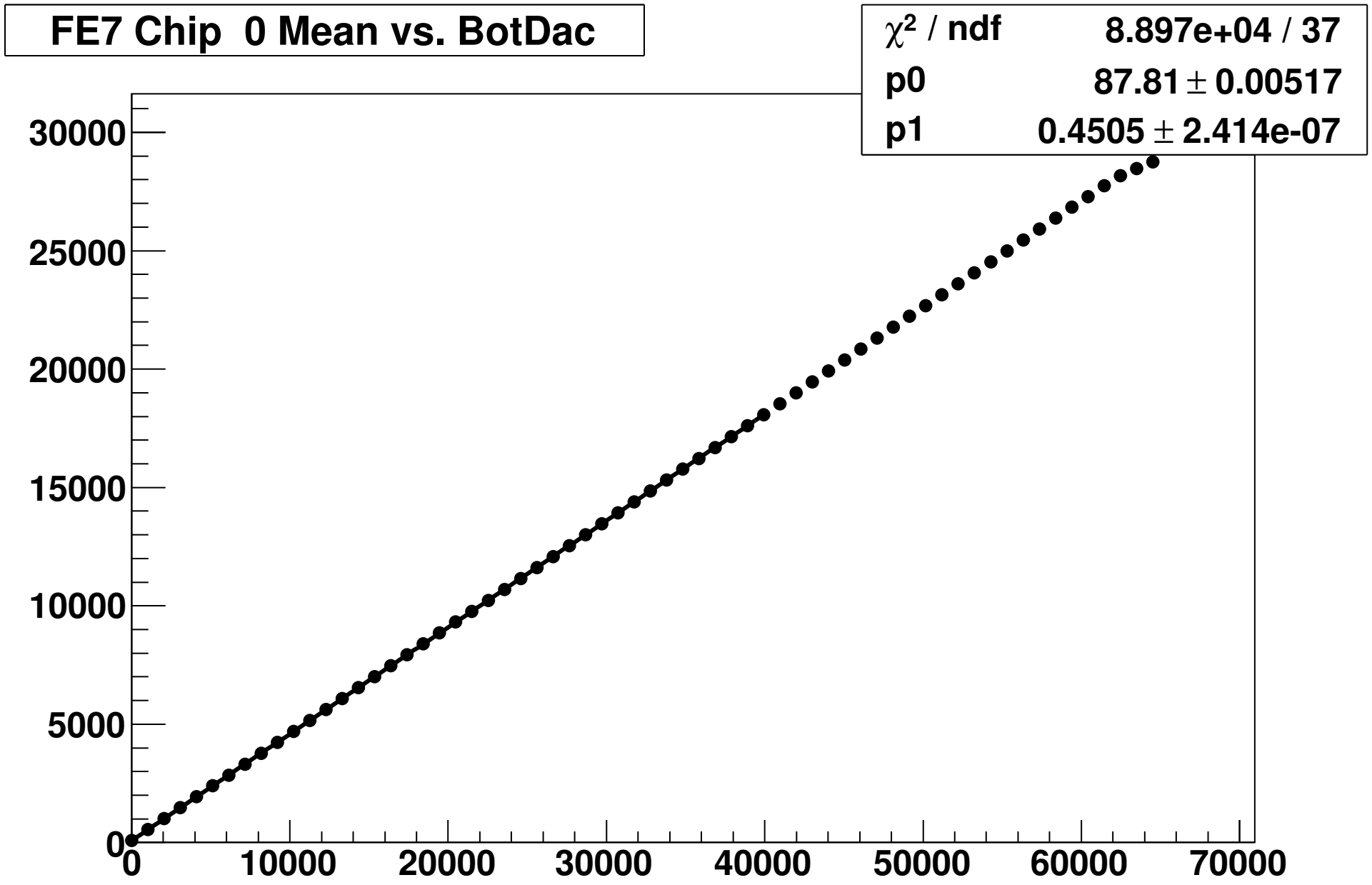
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 8.897e+04 / 37
p0 87.81 ± 0.00517
p1 0.4505 ± 2.414e-07
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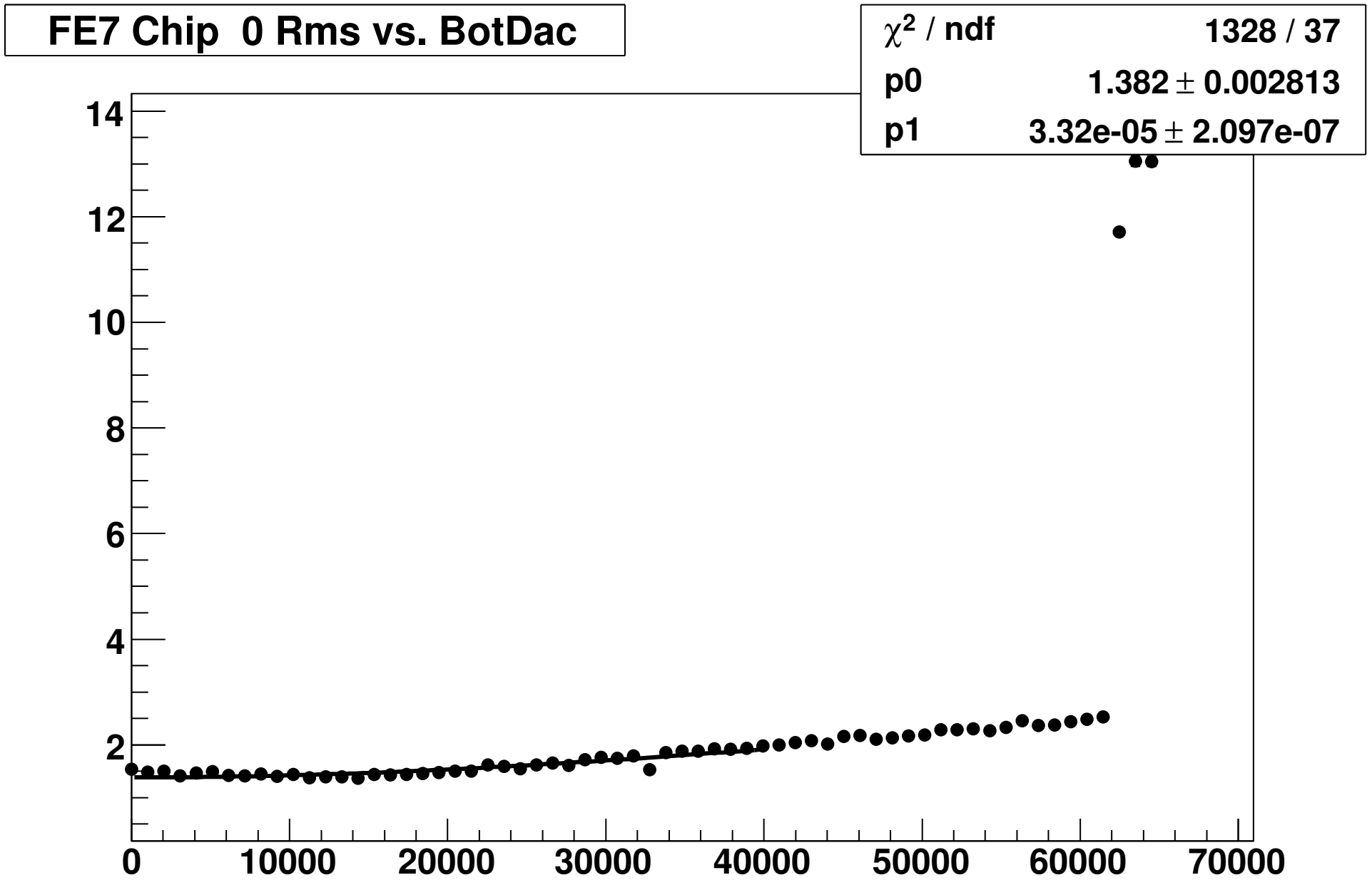
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1328 / 37
p0 1.382 ± 0.002813
p1 3.32e-05 ± 2.097e-07
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12
10
8
6
4
2
0
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20000
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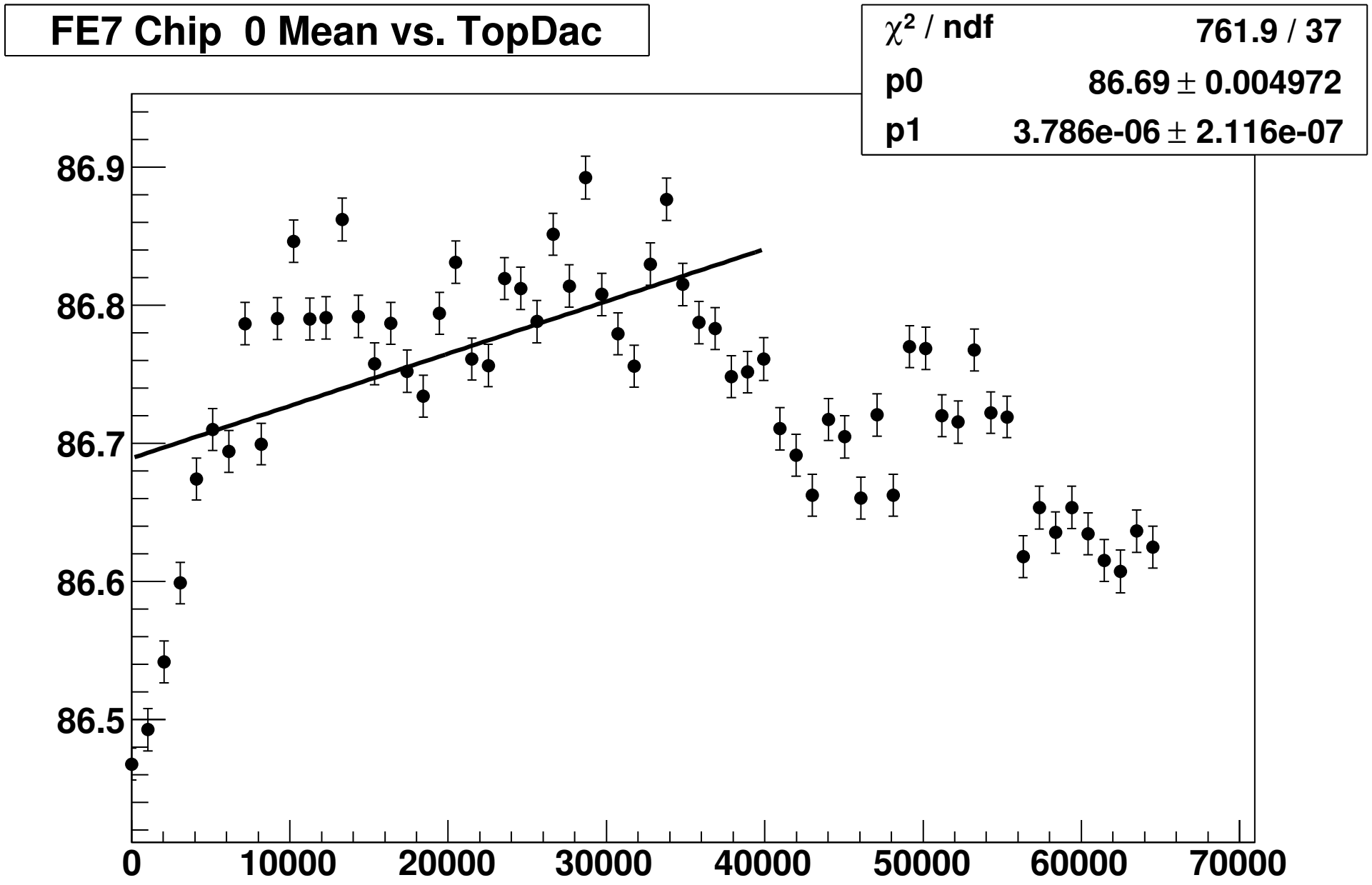
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 761.9 / 37
p0 86.69 ± 0.004972
p1 3.786e-06 ± 2.116e-07
86.9
86.8
86.7
86.6
86.5
0
10000
20000
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50000
60000
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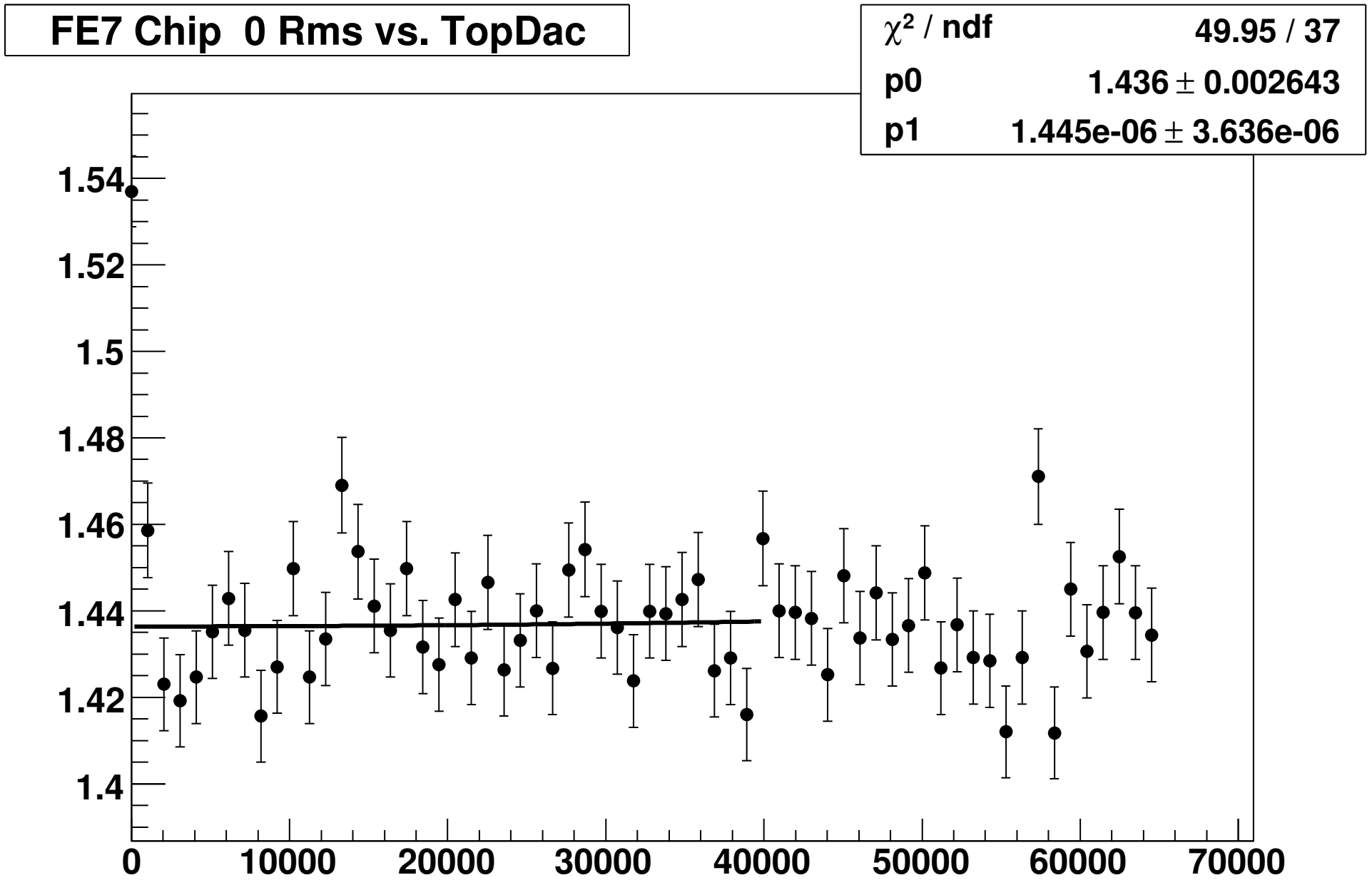
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 49.95 / 37
p0 1.436 ± 0.002643
p1 1.445e-06 ± 3.636e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
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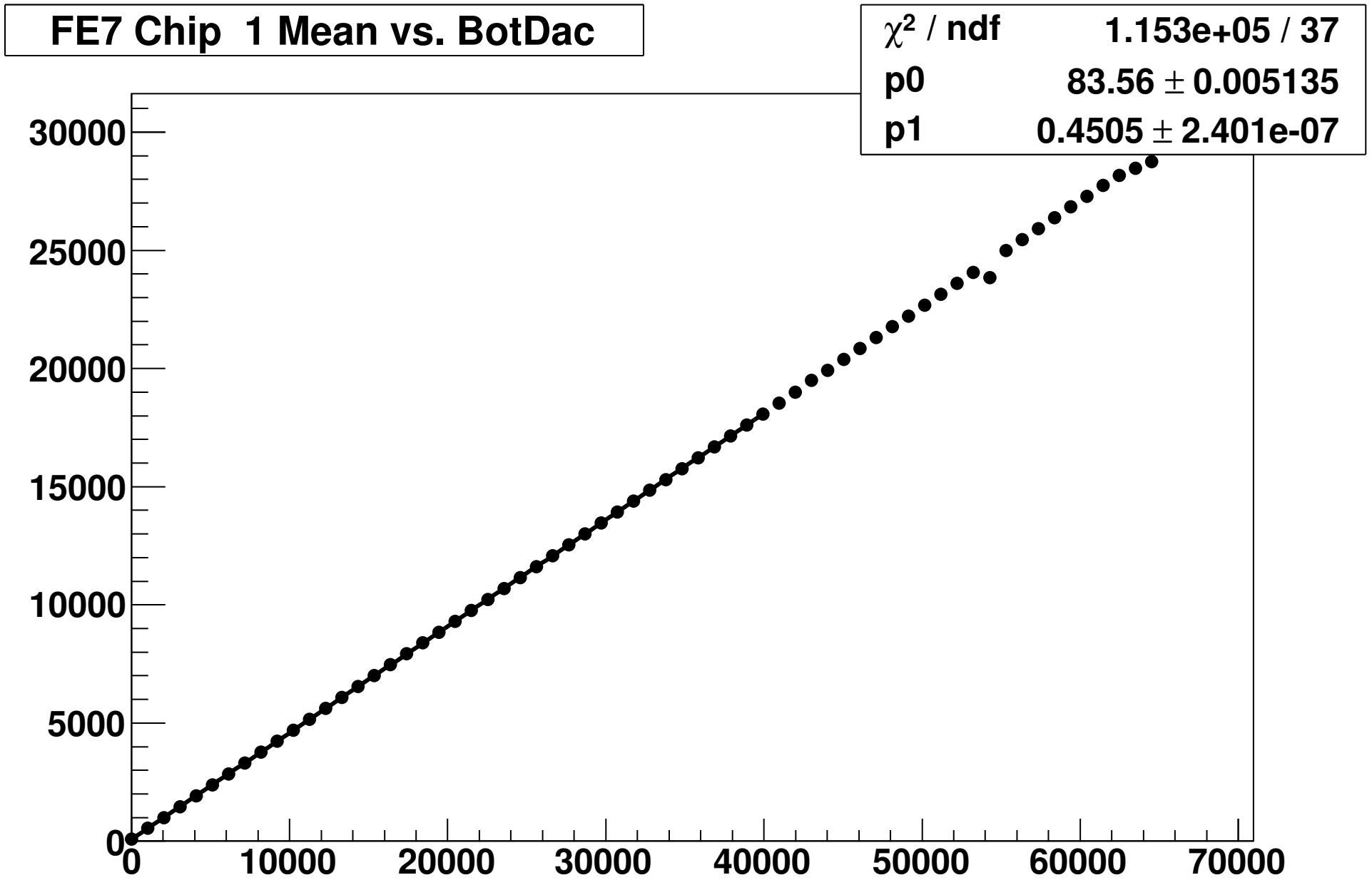
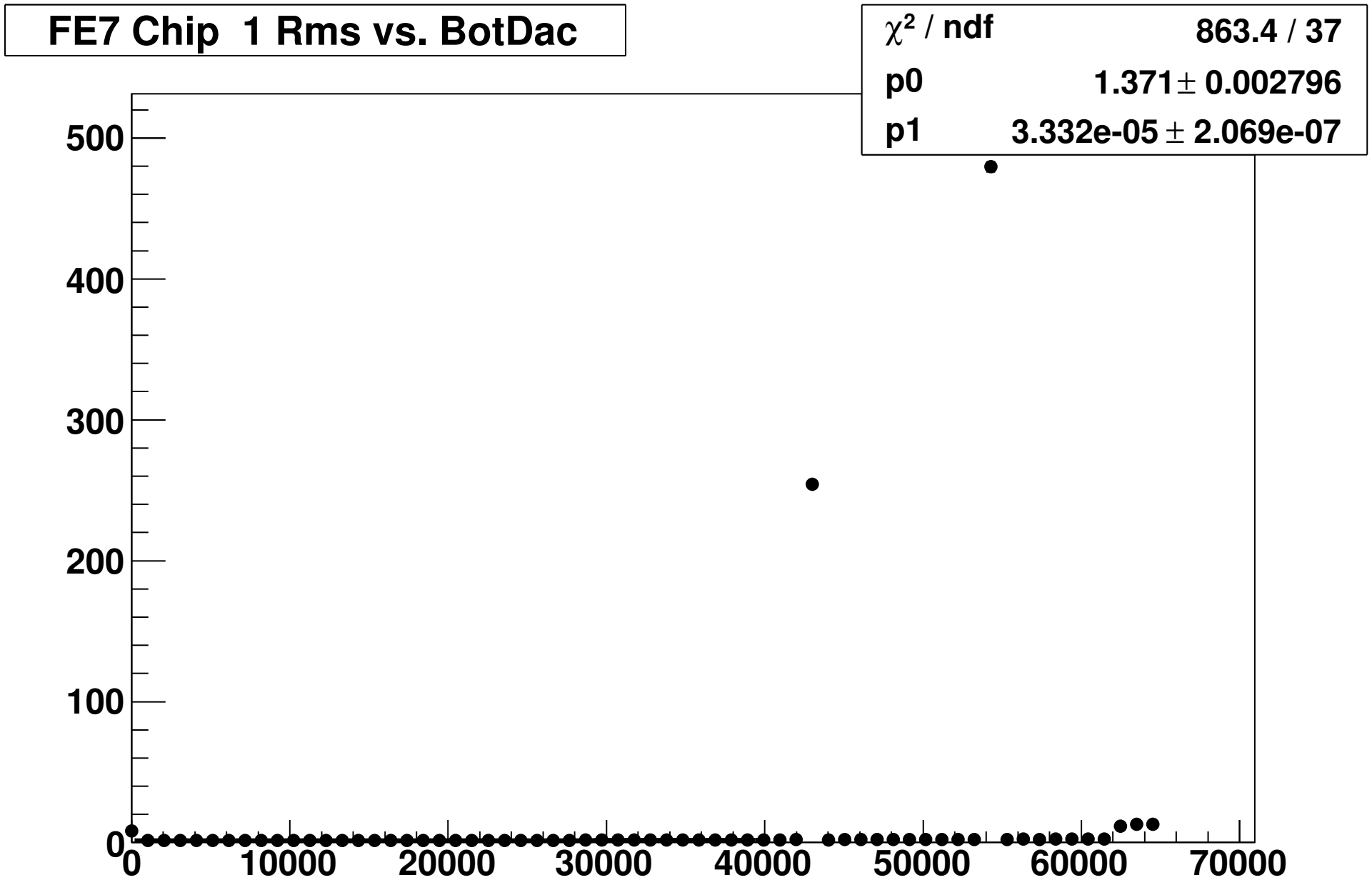
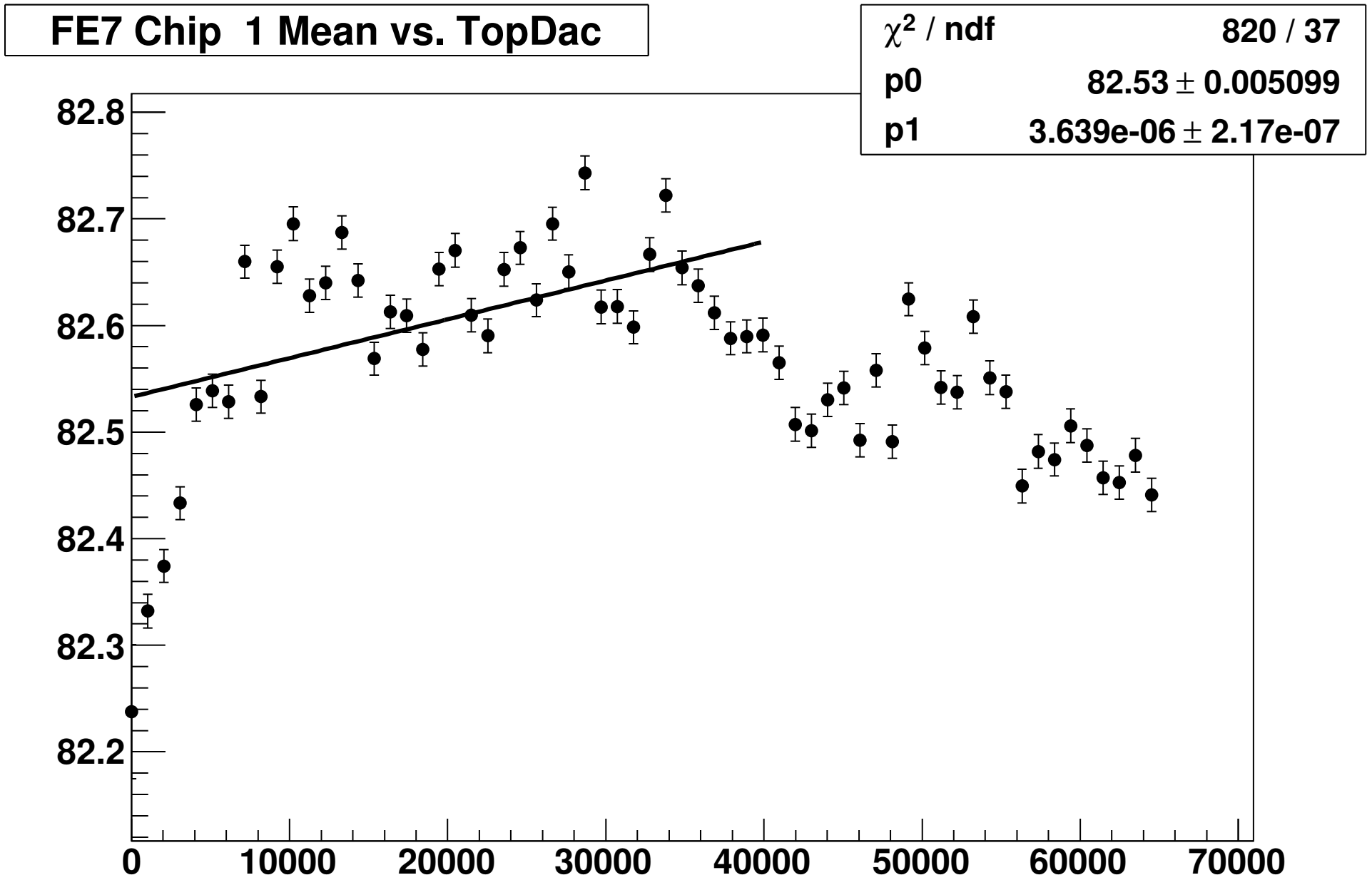

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.153e+05 / 37
p0 83.56 ± 0.005135
p1 0.4505 ± 2.401e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 863.4 / 37
p0 1.371 ± 0.002796
p1 3.332e-05 ± 2.069e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 820 / 37
p0 82.53 ± 0.005099
p1 3.639e-06 ± 2.17e-07
82.8
82.7
82.6
82.5
82.4
82.3
82.2
0
10000
20000
30000
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50000
60000
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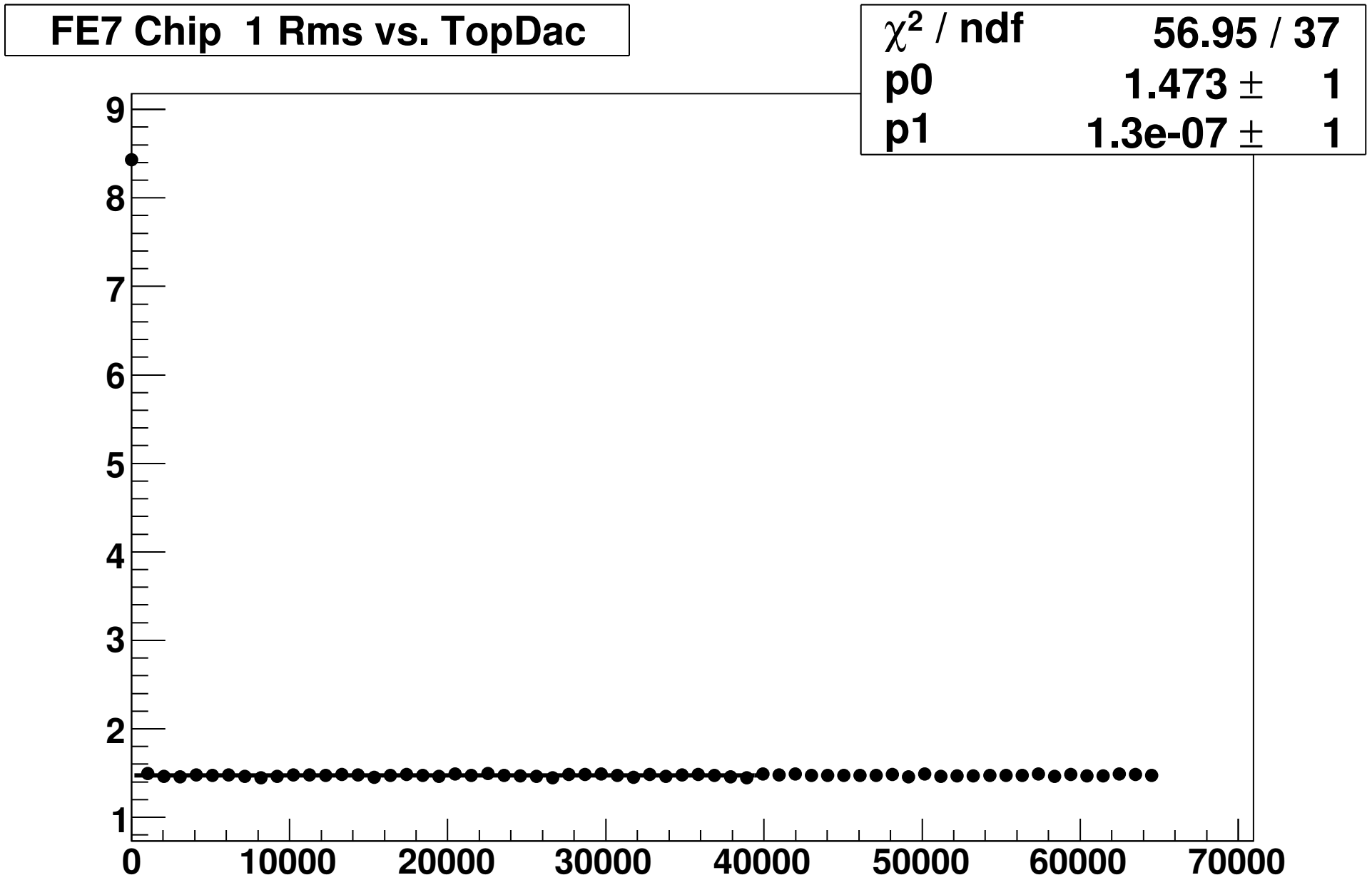
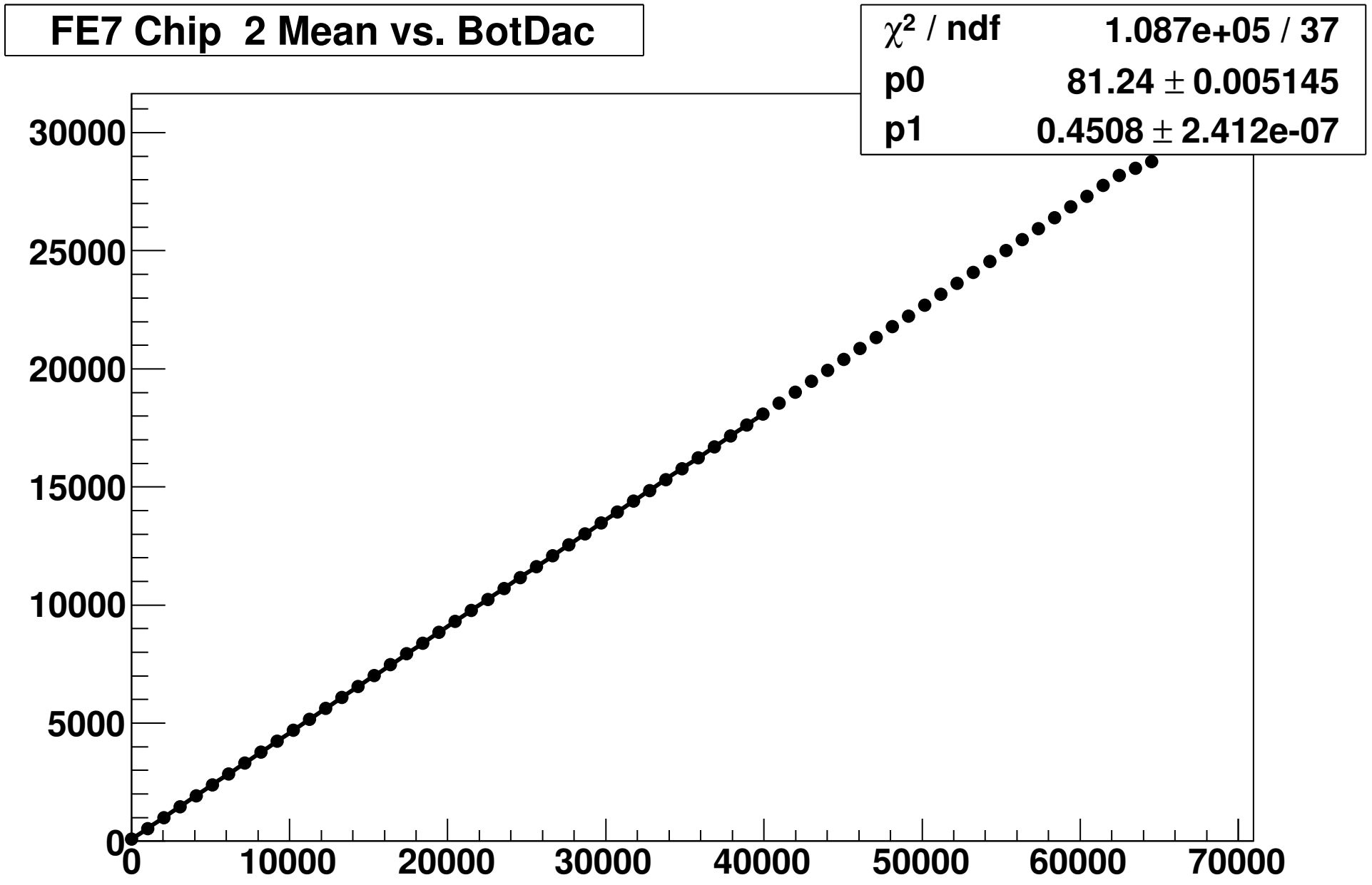
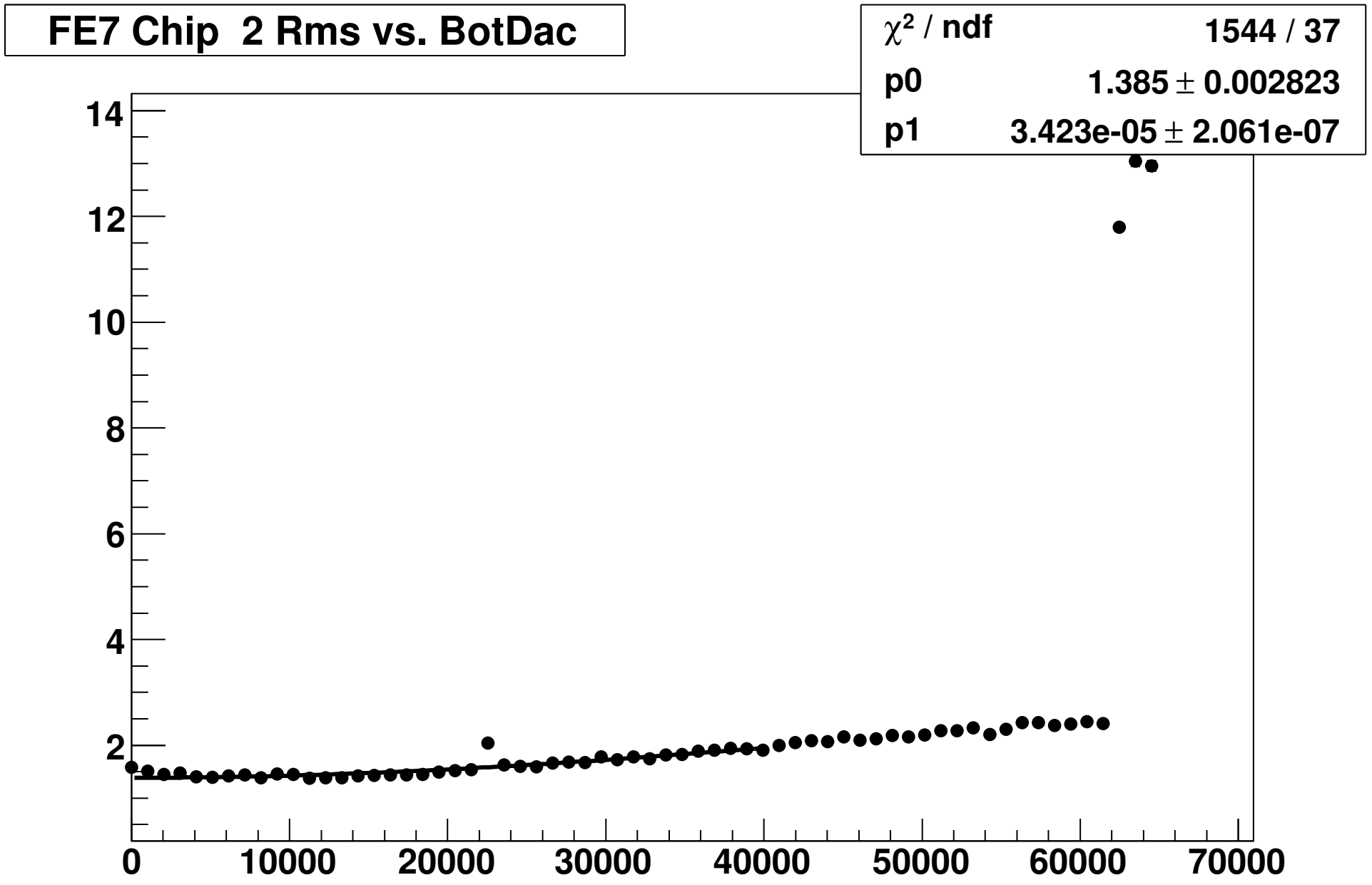
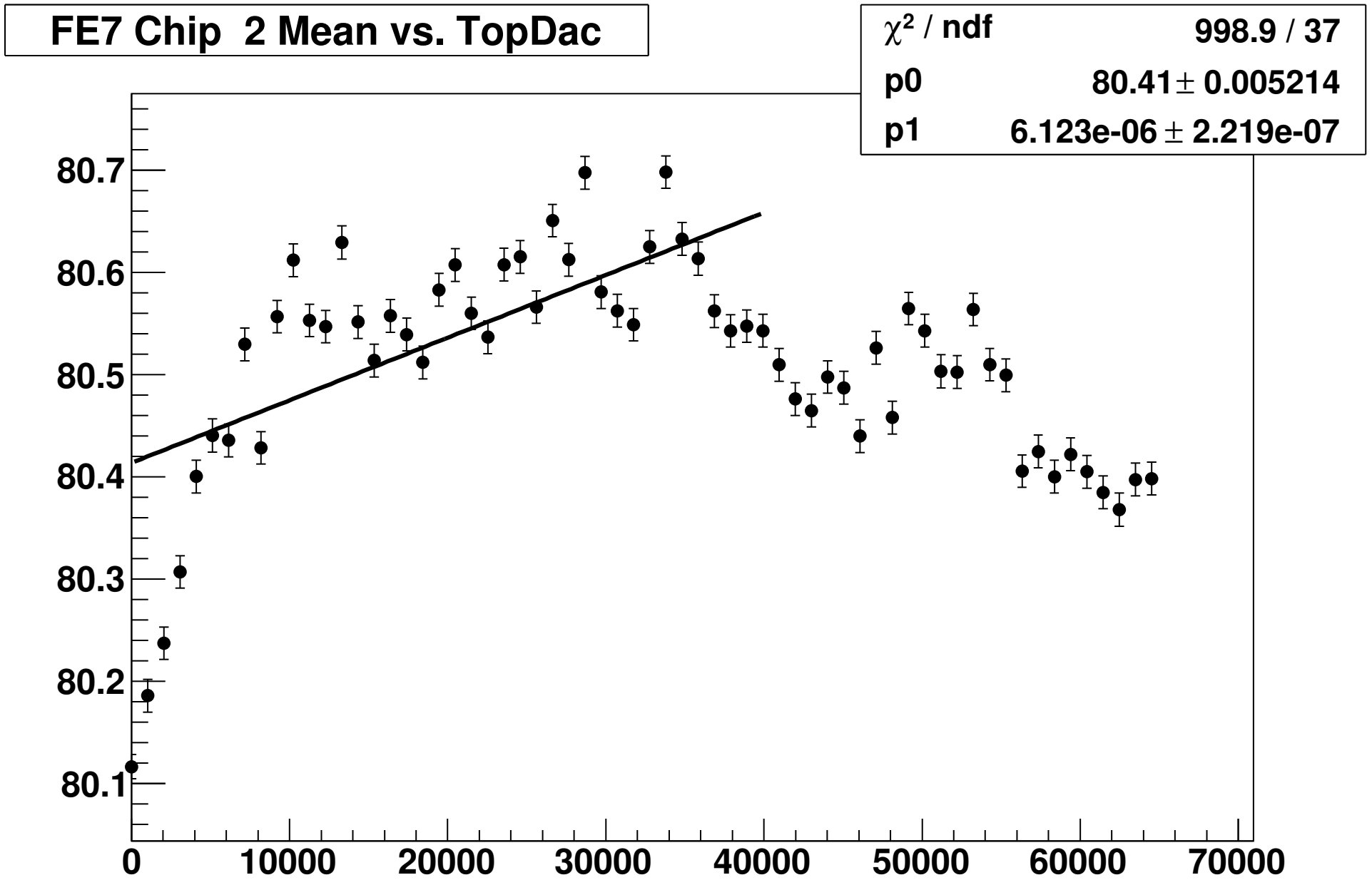
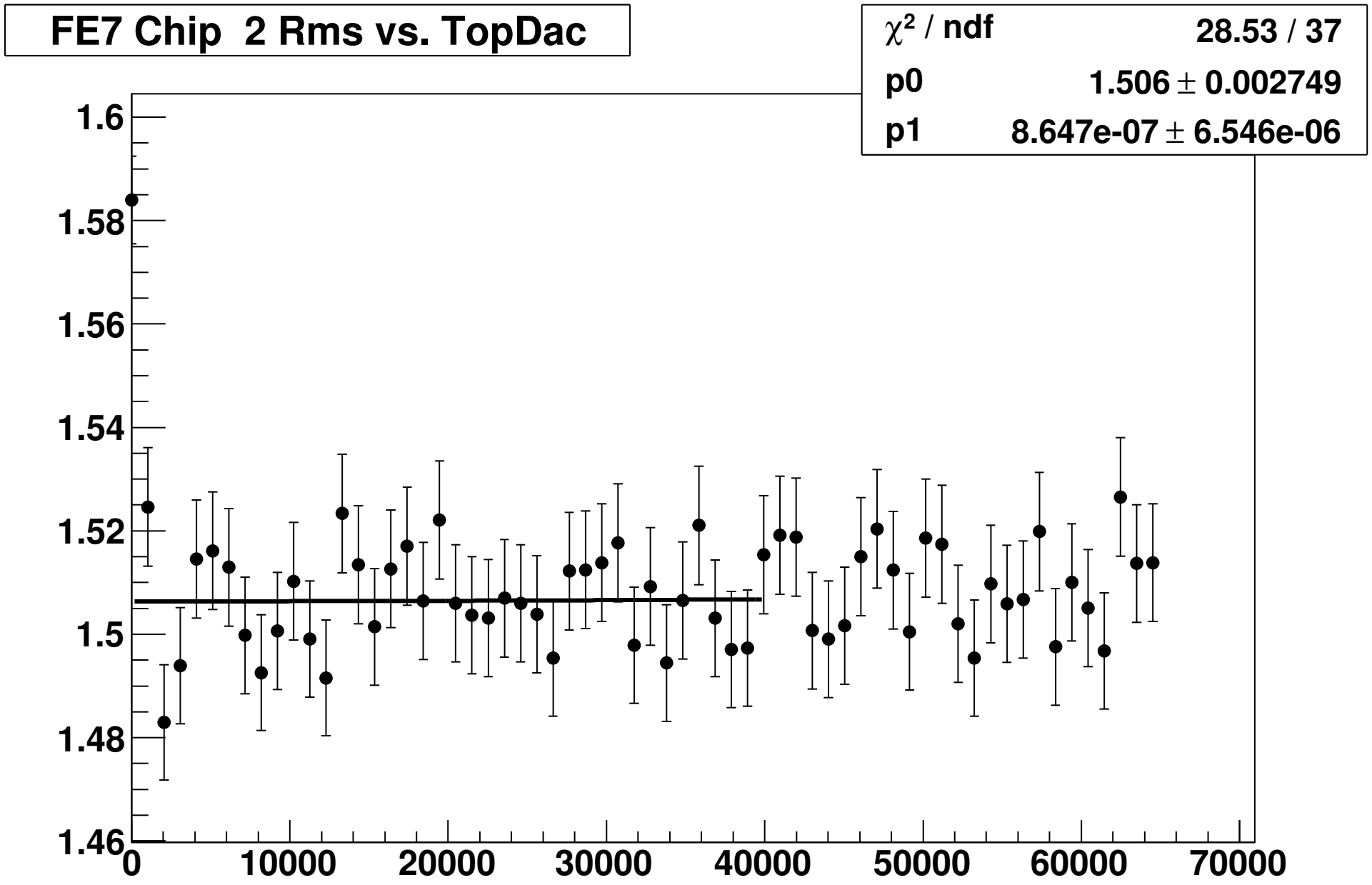
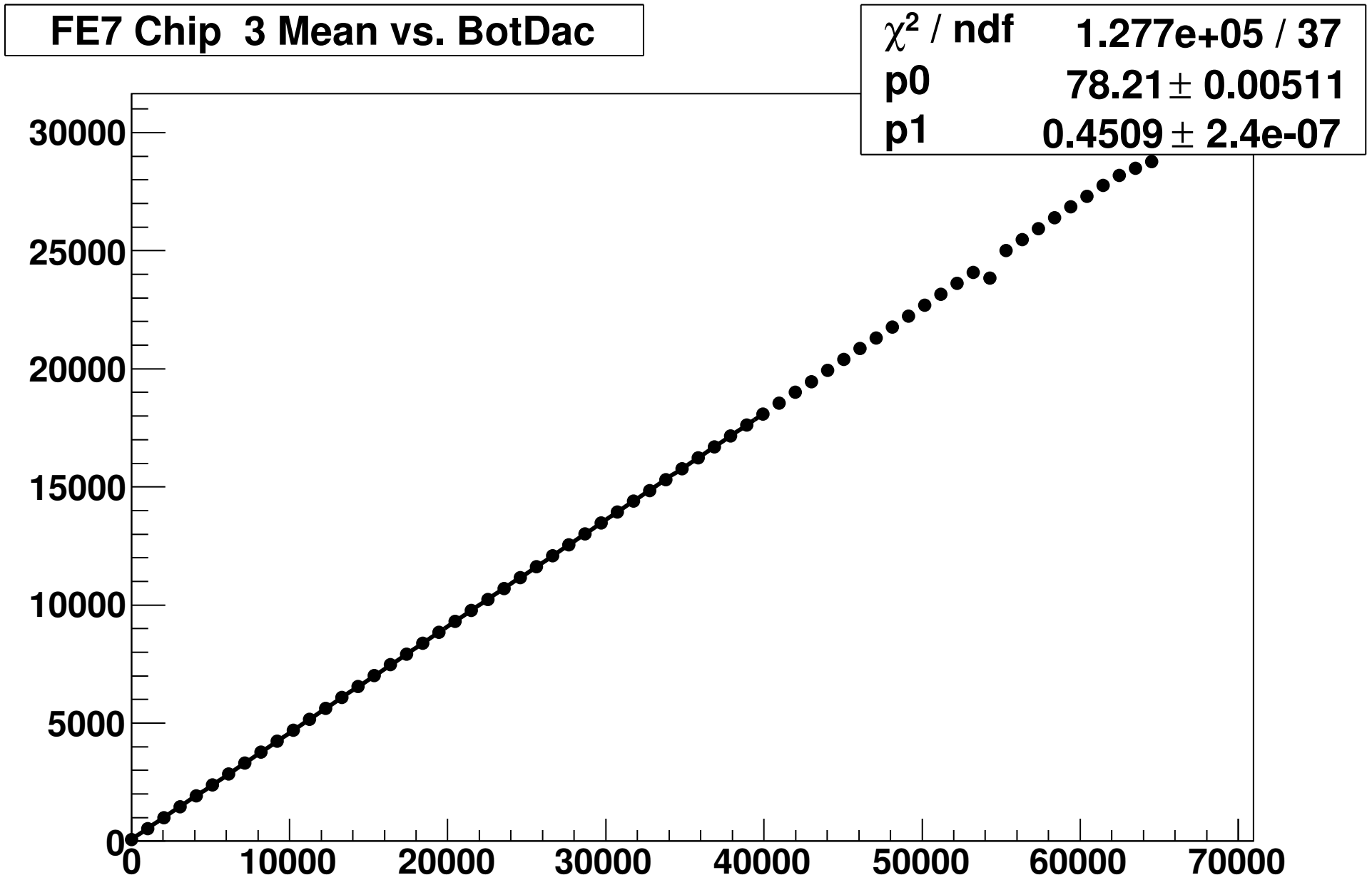

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 56.95 / 37
p0 1.473 ± 1
p1 1.3e-07 ± 1
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

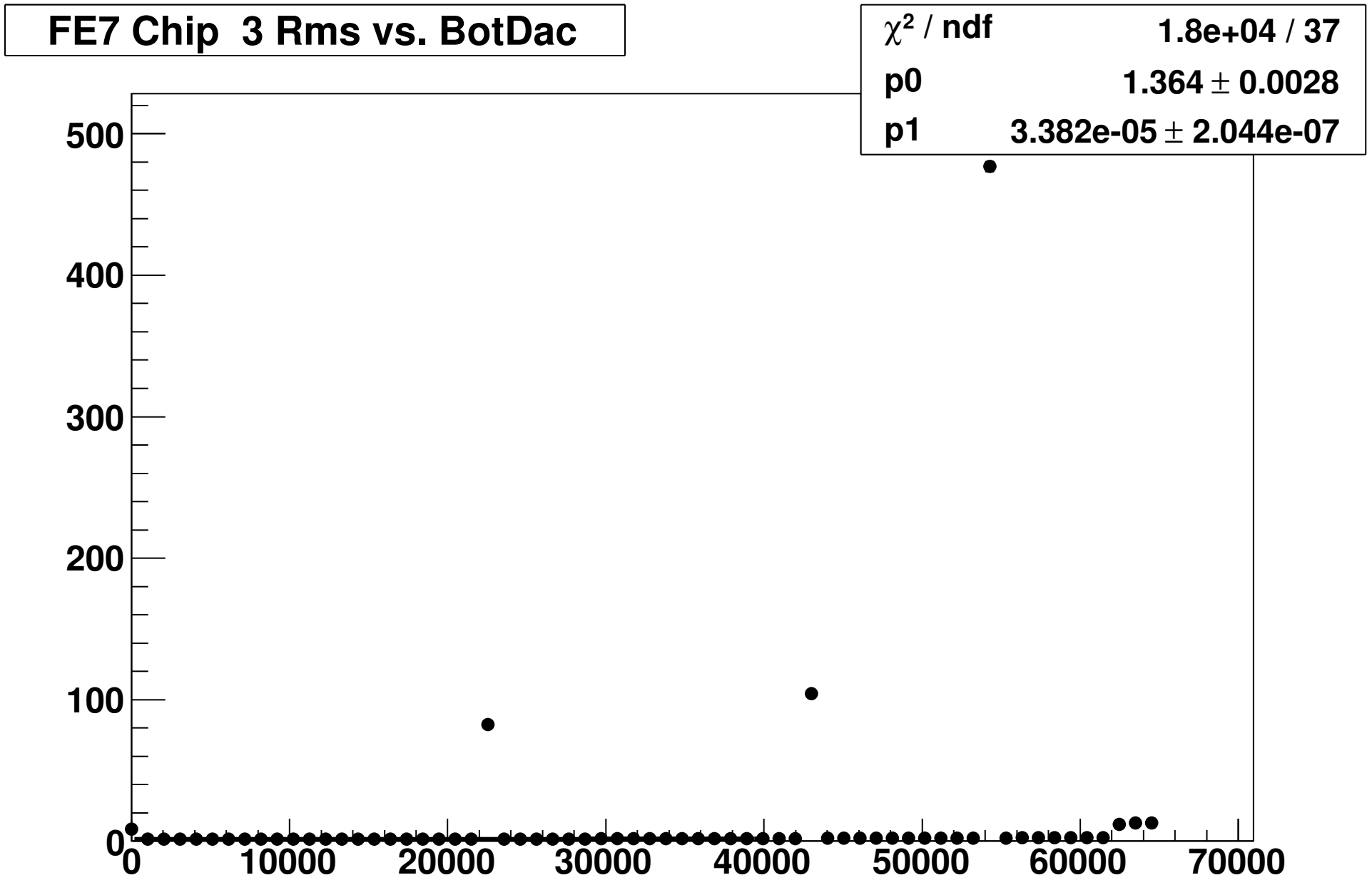

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.087e+05 / 37
p0 81.24 ± 0.005145
p1 0.4508 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

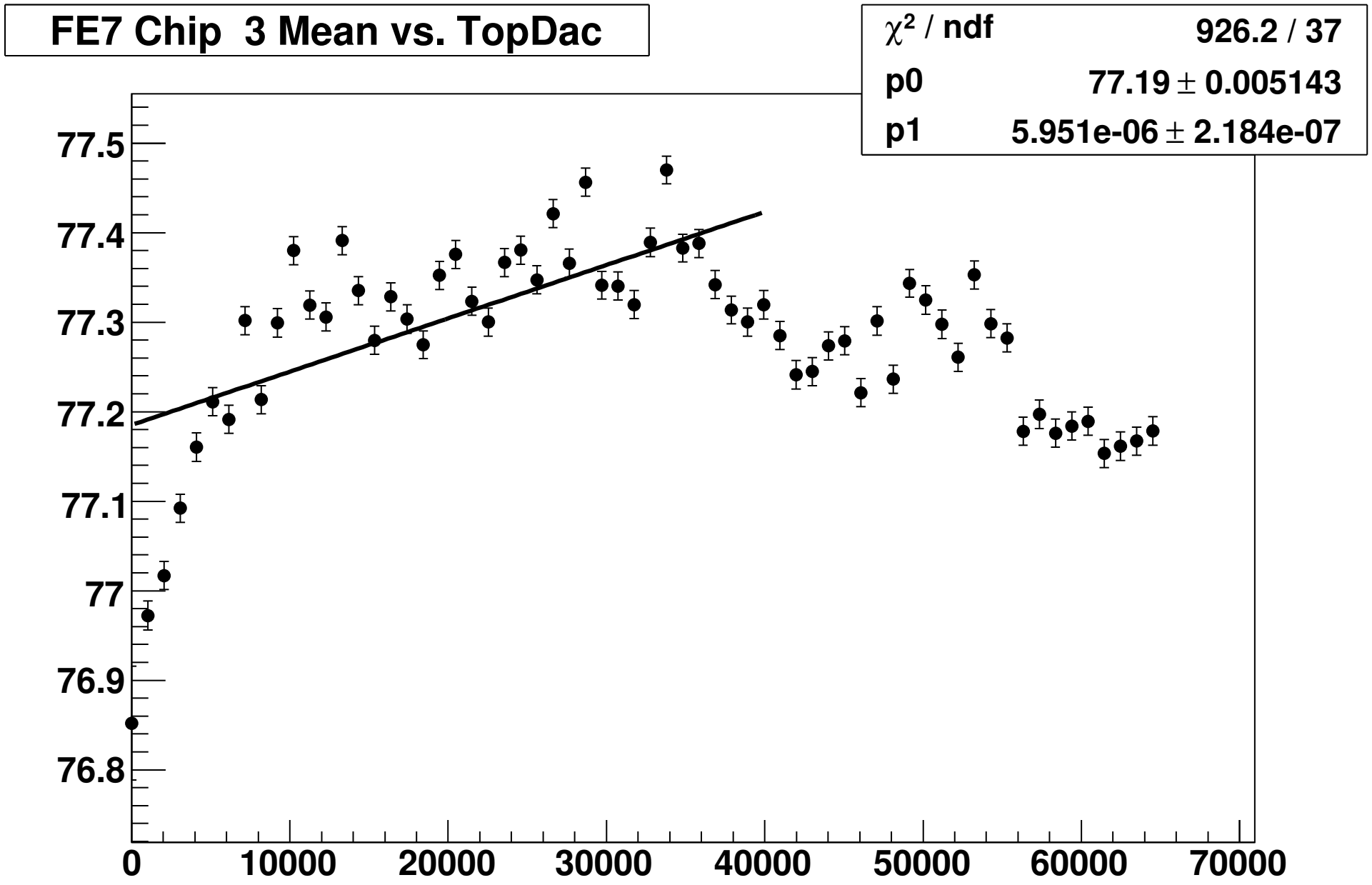

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1544 / 37
p0 1.385 ± 0.002823
p1 3.423e-05 ± 2.061e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

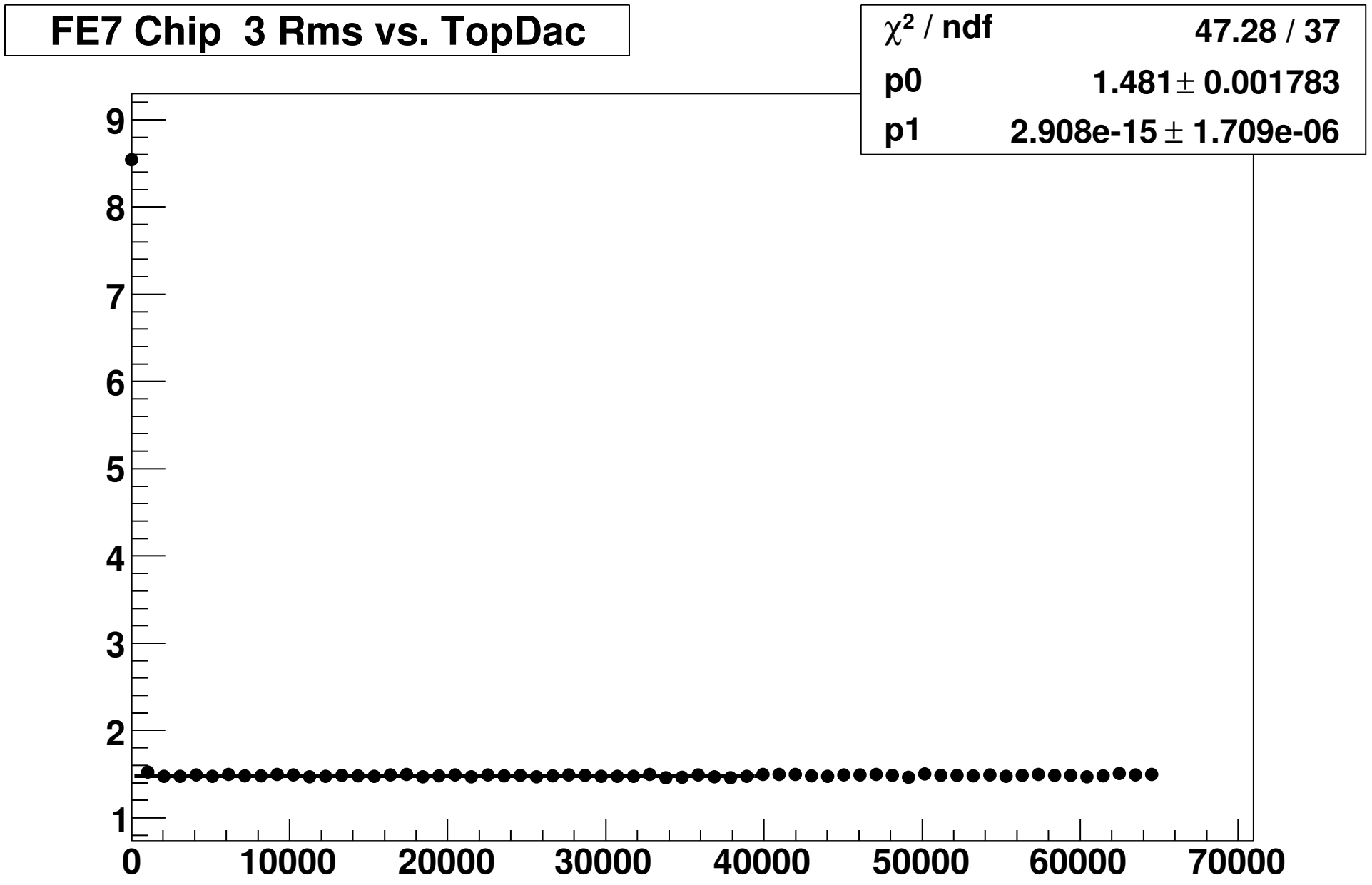

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 998.9 / 37
p0 80.41 ± 0.005214
p1 6.123e-06 ± 2.219e-07
80.7
80.6
80.5
80.4
80.3
80.2
80.1
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 28.53 / 37
p0 1.506 ± 0.002749
p1 8.647e-07 ± 6.546e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.277e+05 / 37
p0 78.21 ± 0.00511
p1 0.4509 ± 2.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1.8e+04 / 37
p0 1.364 ± 0.0028
p1 3.382e-05 ± 2.044e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 926.2 / 37
p0 77.19 ± 0.005143
p1 5.951e-06 ± 2.184e-07
77.5
77.4
77.3
77.2
77.1
77
76.9
76.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 47.28 / 37
p0 1.481 ± 0.001783
p1 2.908e-15 ± 1.709e-06
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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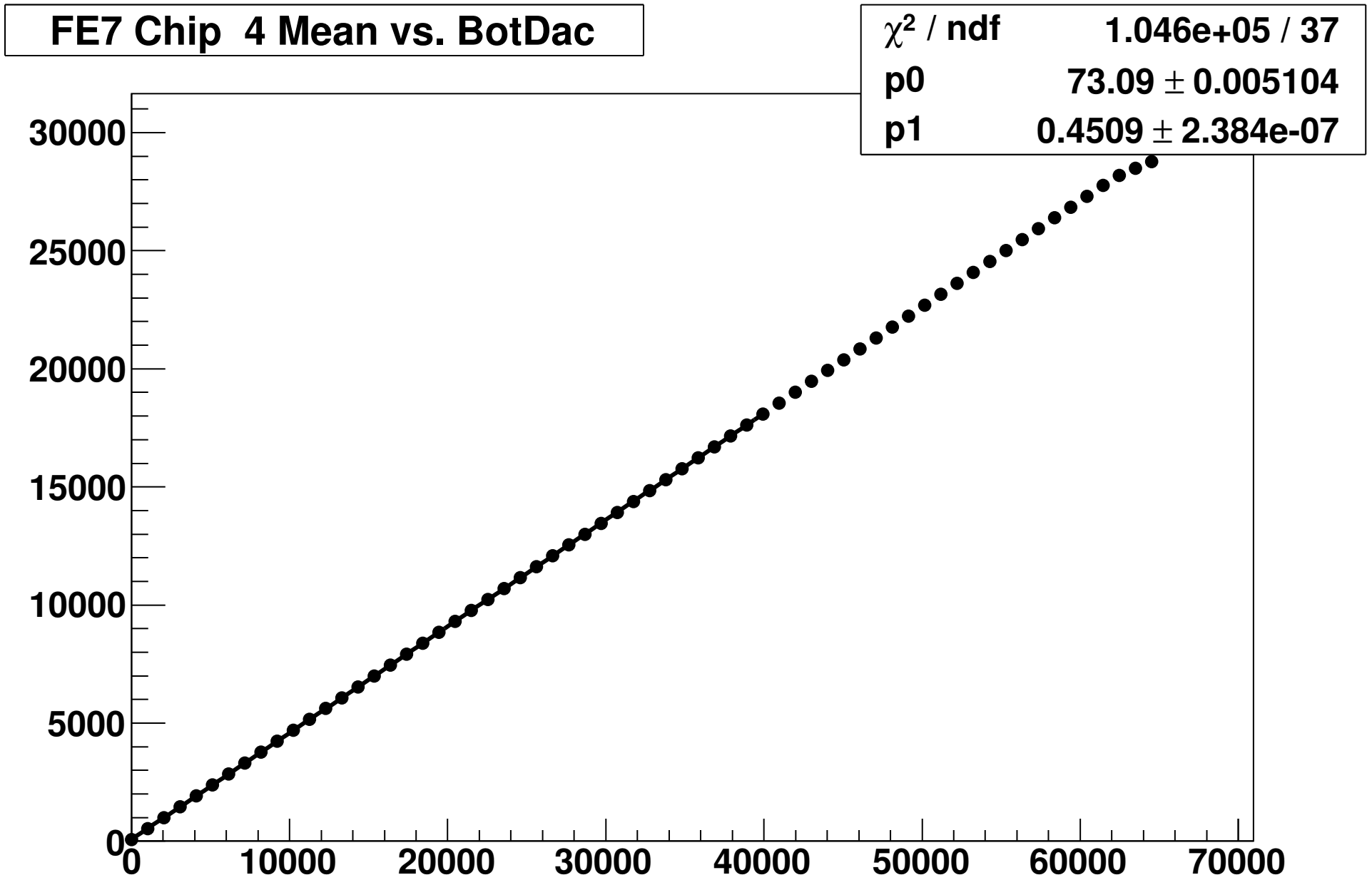
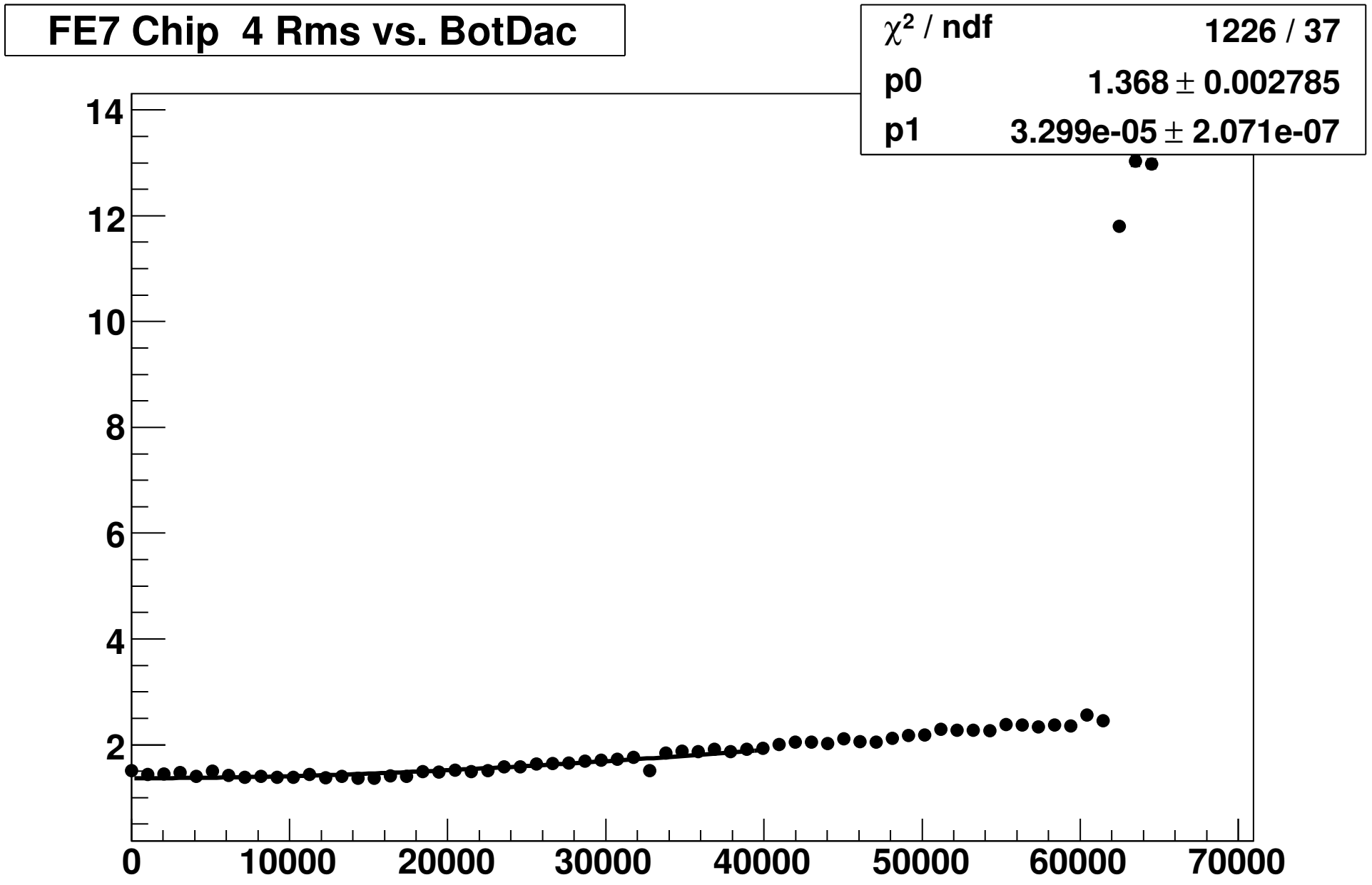
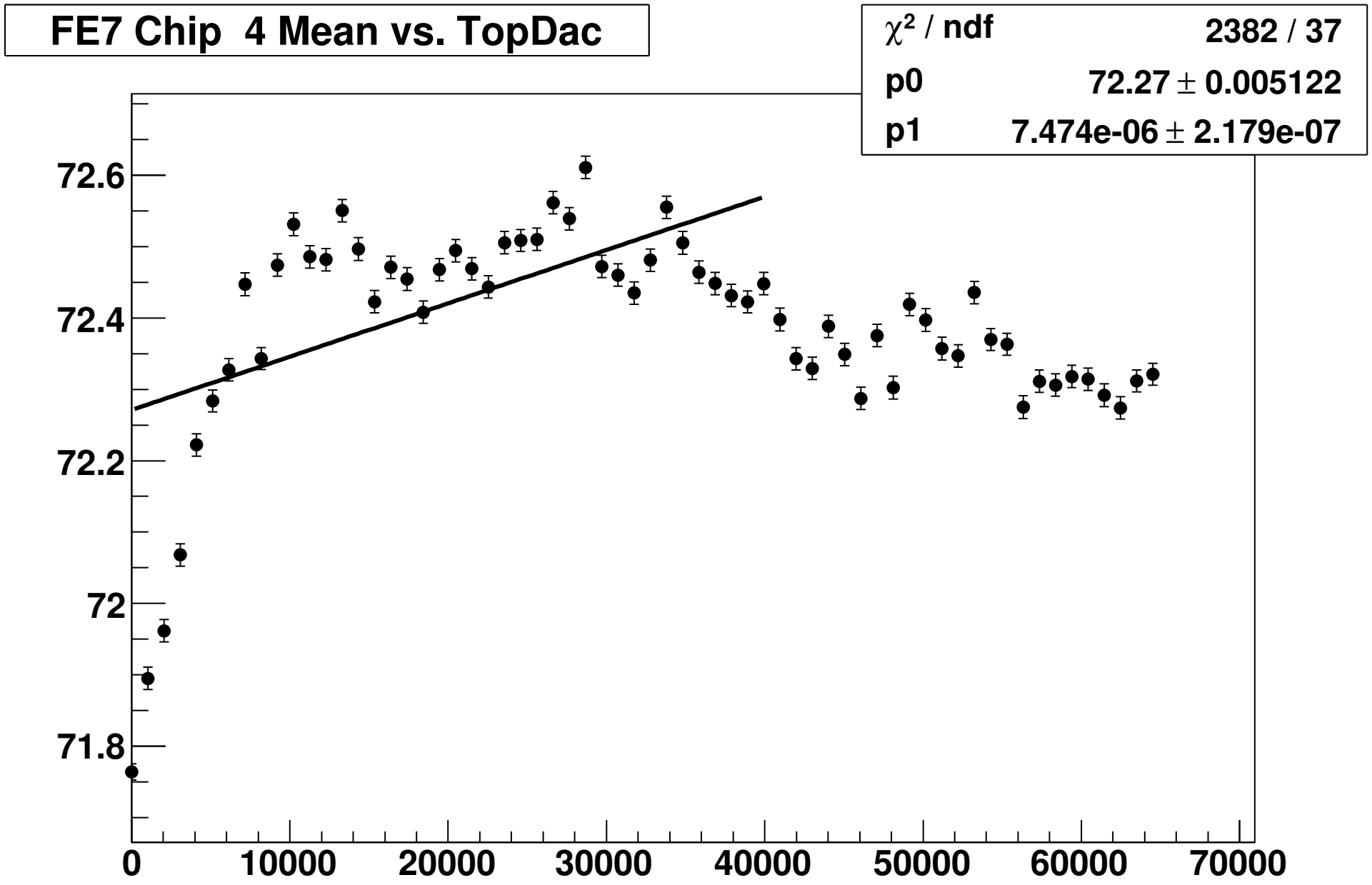
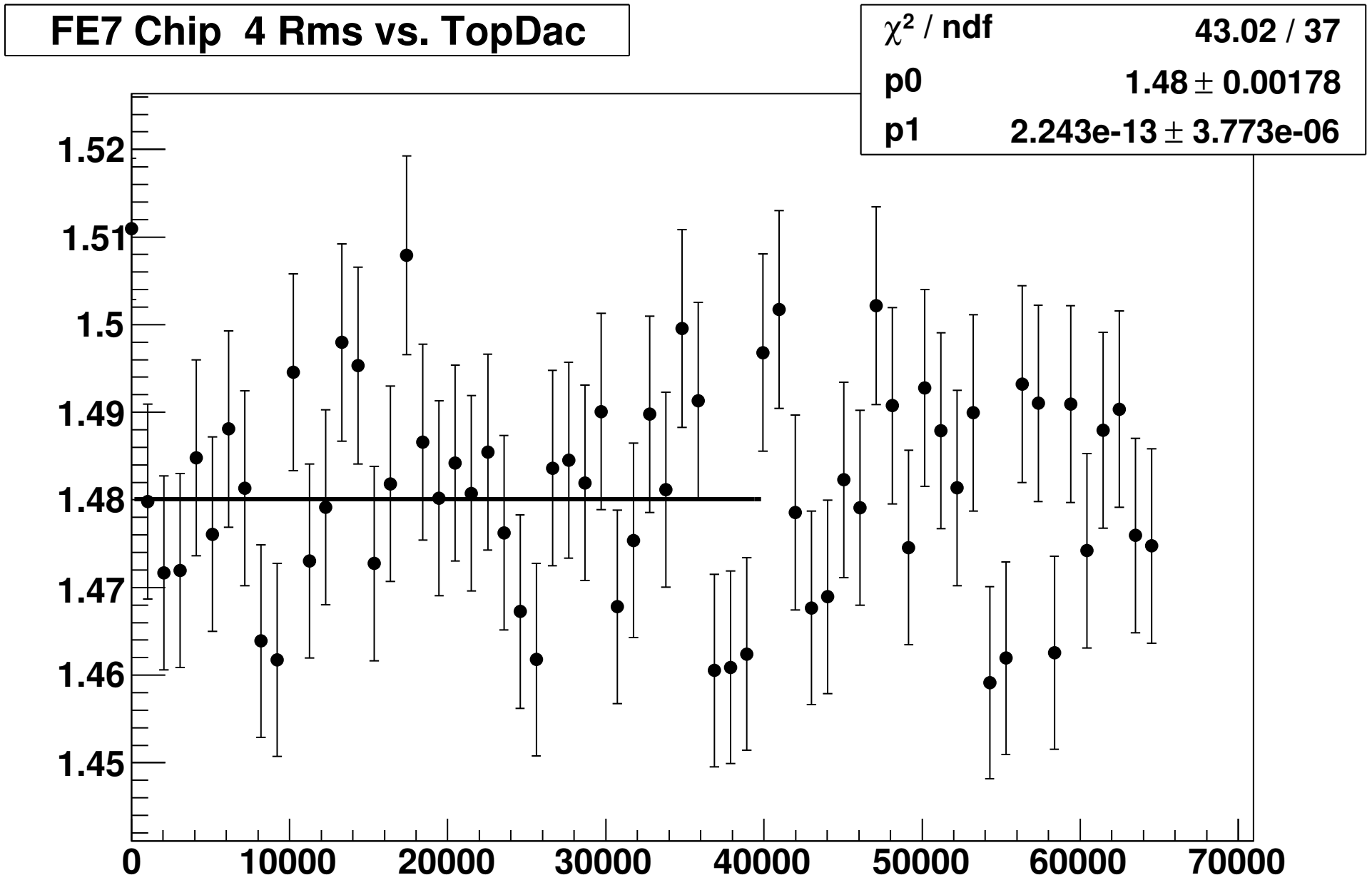
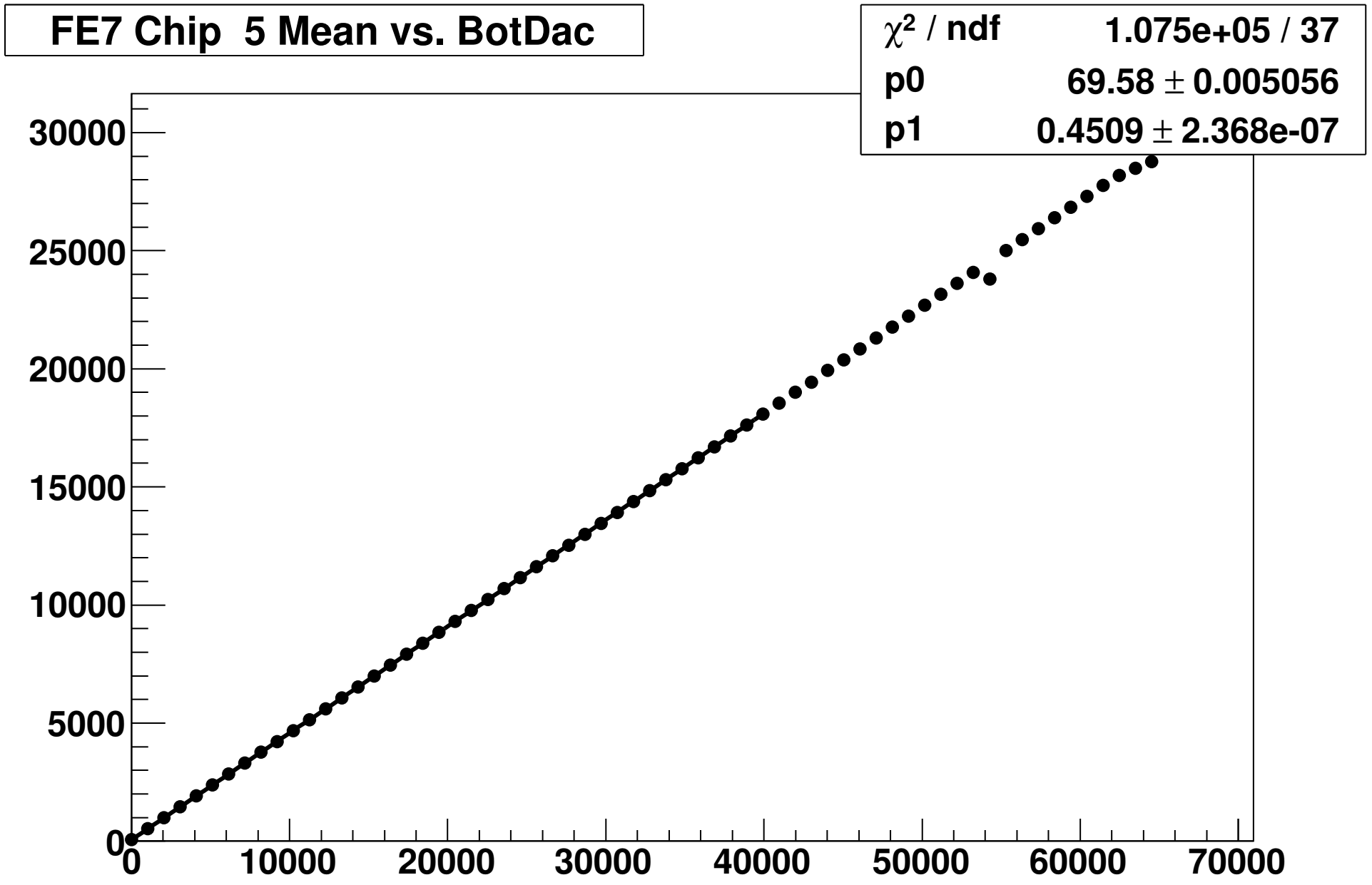
60000
70000

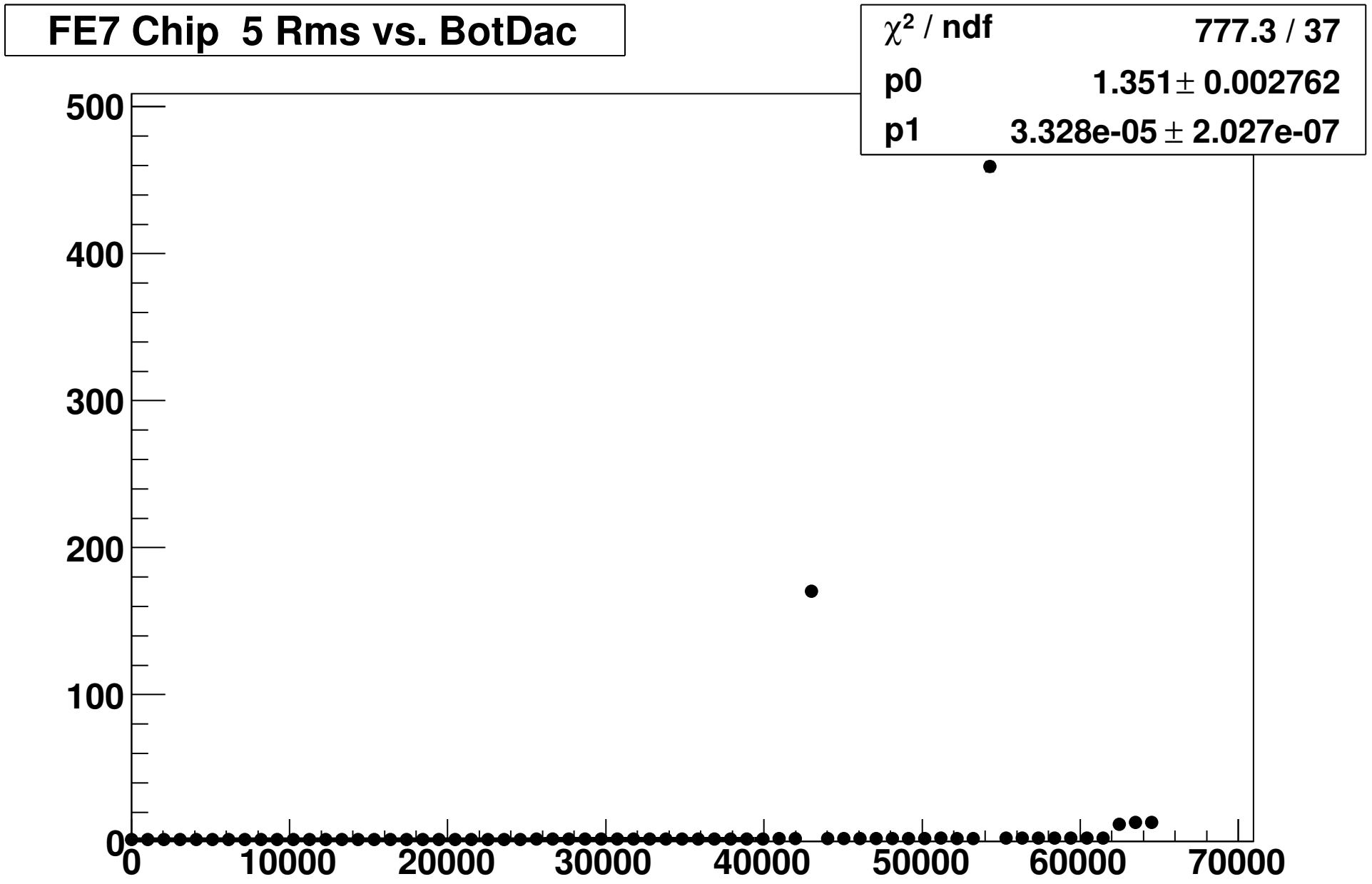

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.046e+05 / 37
p0 73.09 ± 0.005104
p1 0.4509 ± 2.384e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

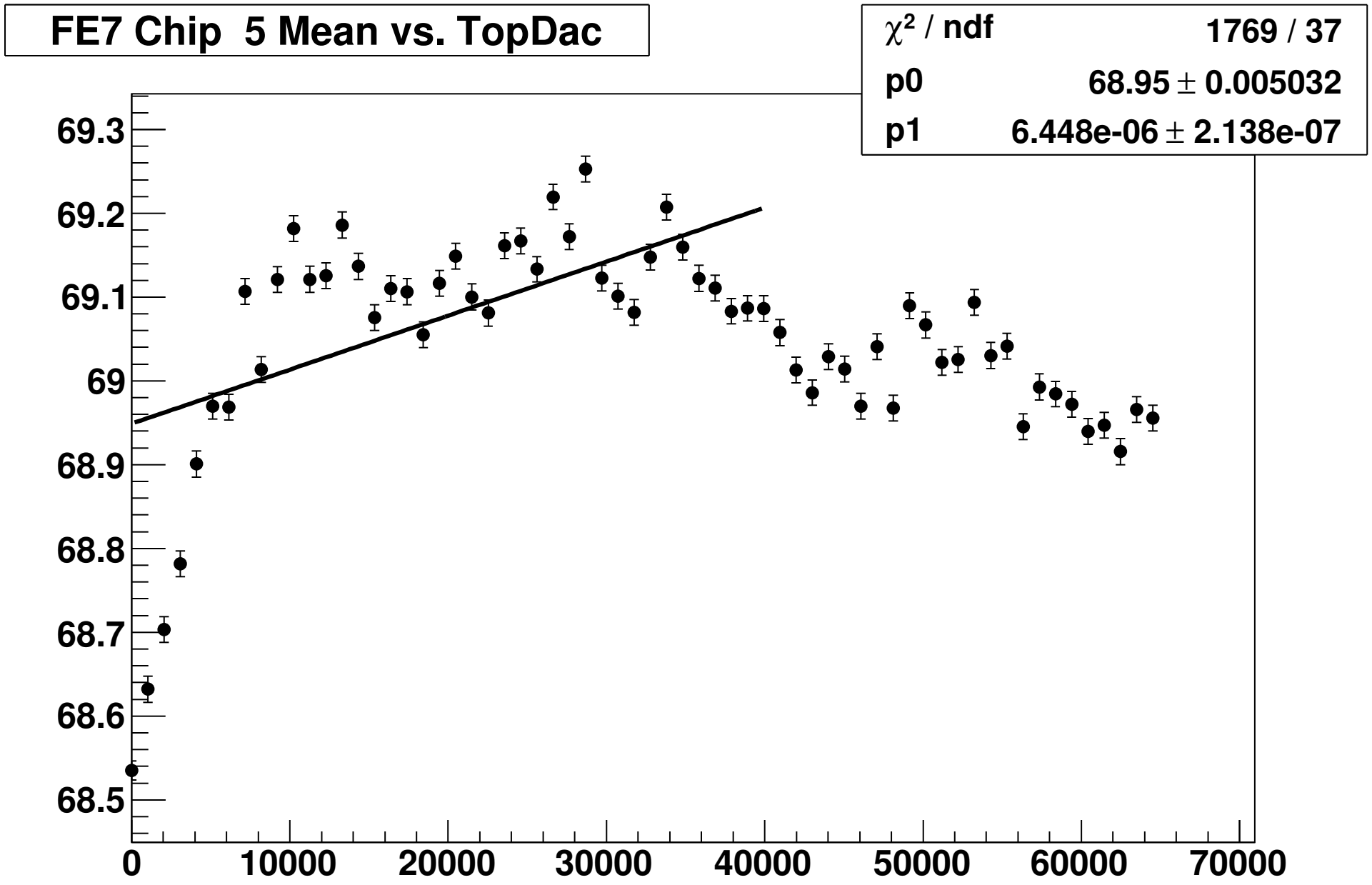

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1226 / 37
p0 1.368 ± 0.002785
p1 3.299e-05 ± 2.071e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

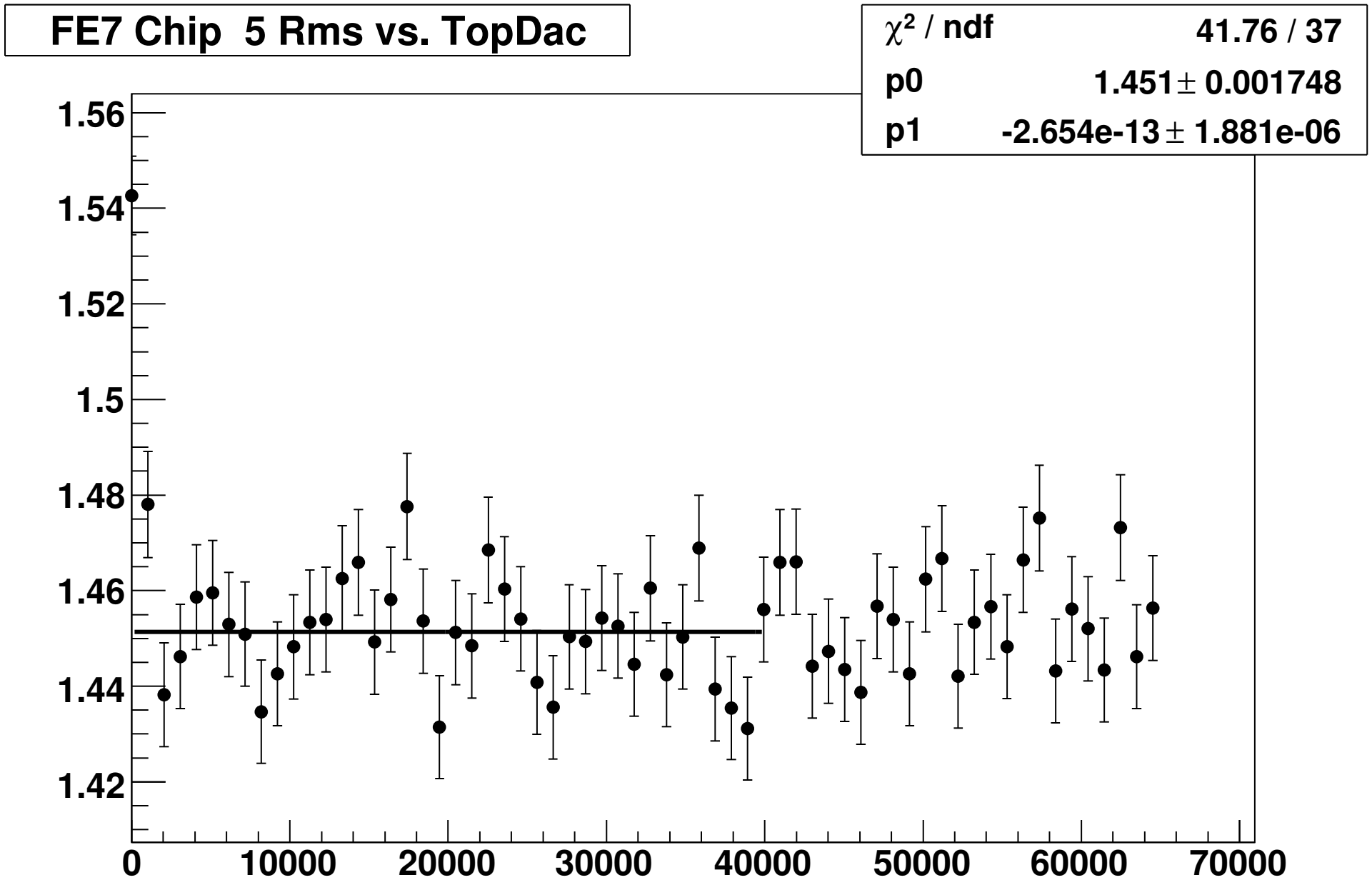

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 2382 / 37
p0 72.27 ± 0.005122
p1 7.474e-06 ± 2.179e-07
72.6
72.4
72.2
72
71.8
0
10000
20000
30000
40000
50000
60000
70000

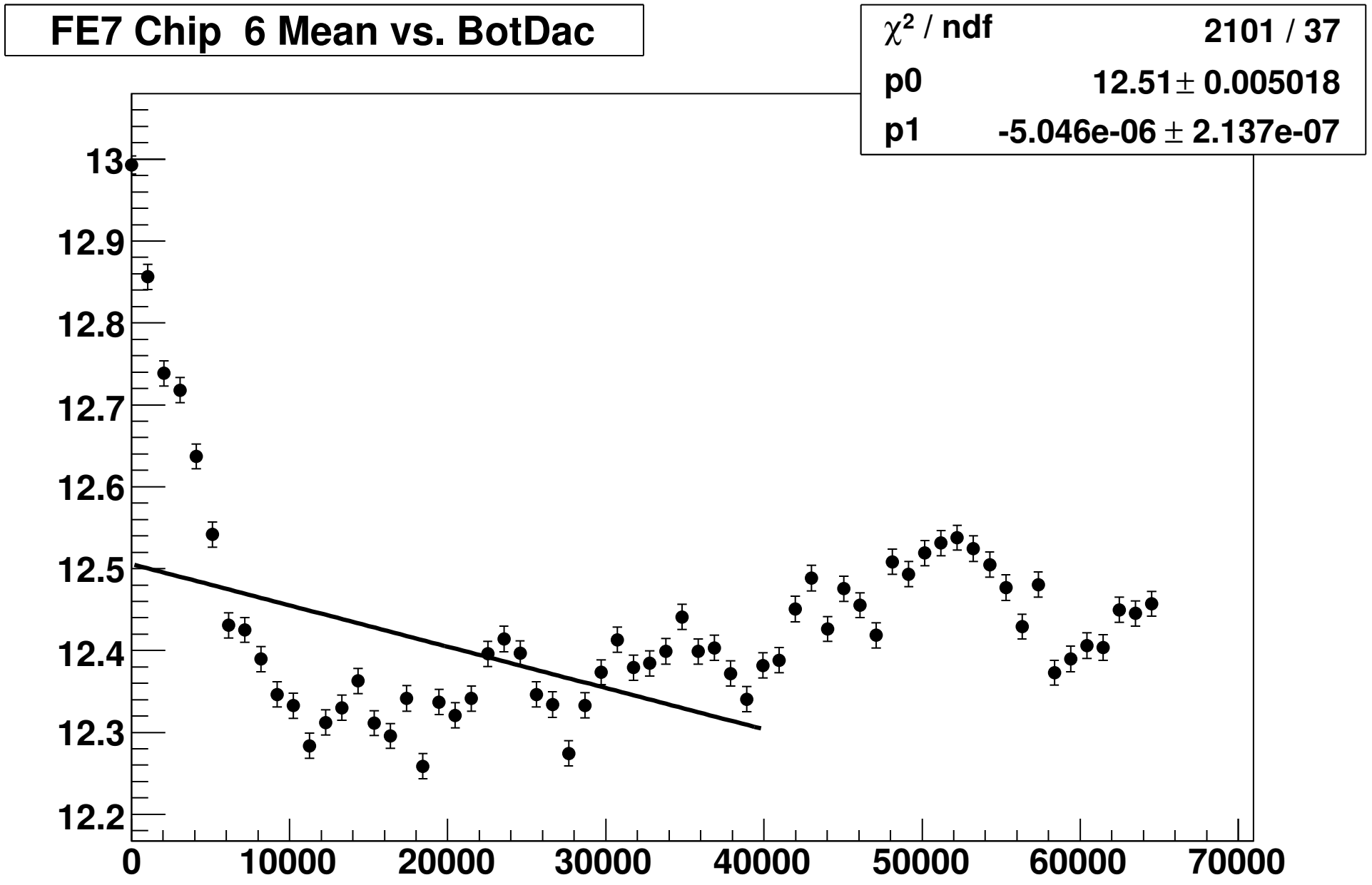

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 43.02 / 37
p0 1.48 ± 0.00178
p1 2.243e-13 ± 3.773e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

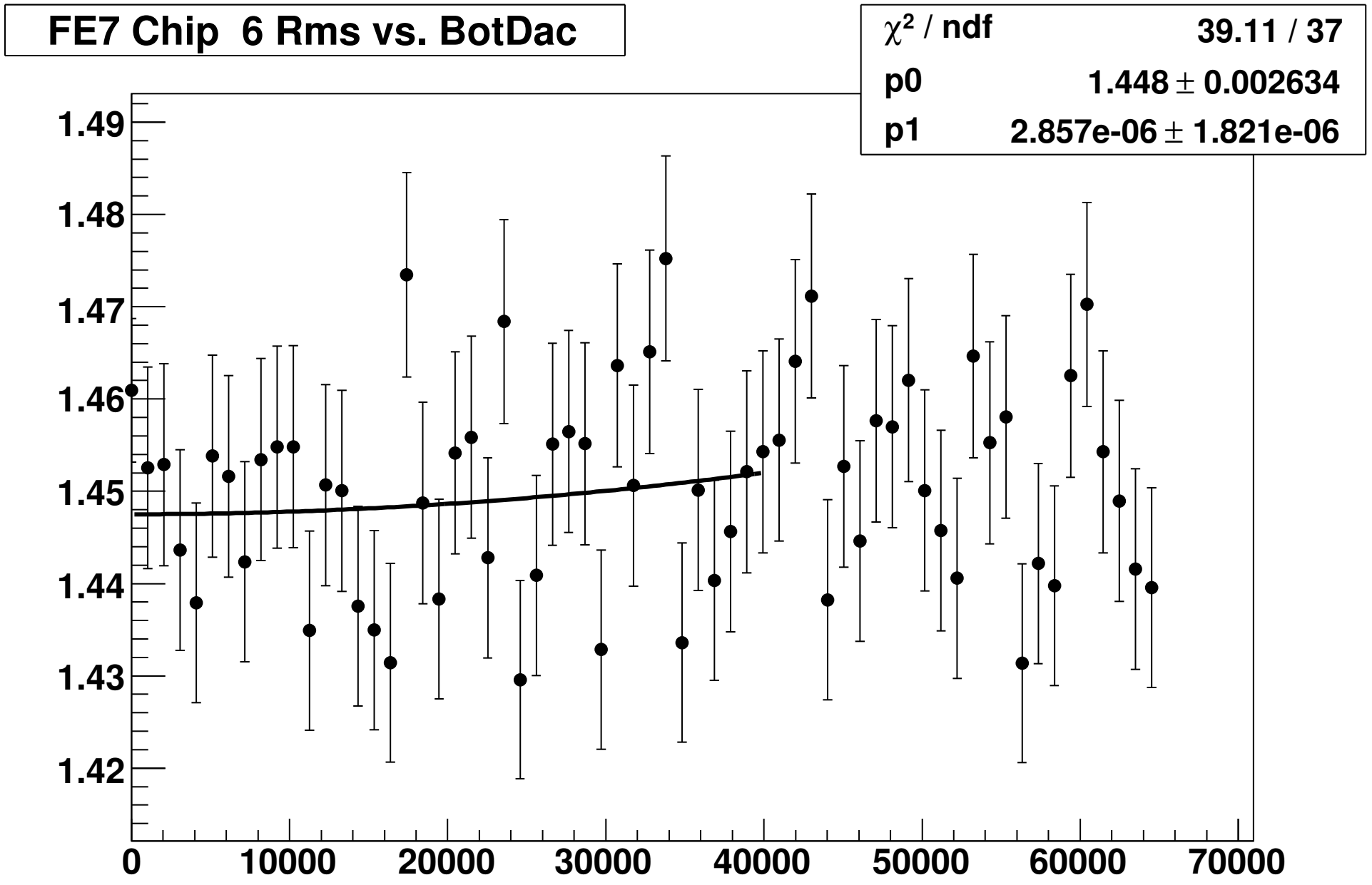

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.075e+05 / 37
p0 69.58 ± 0.005056
p1 0.4509 ± 2.368e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

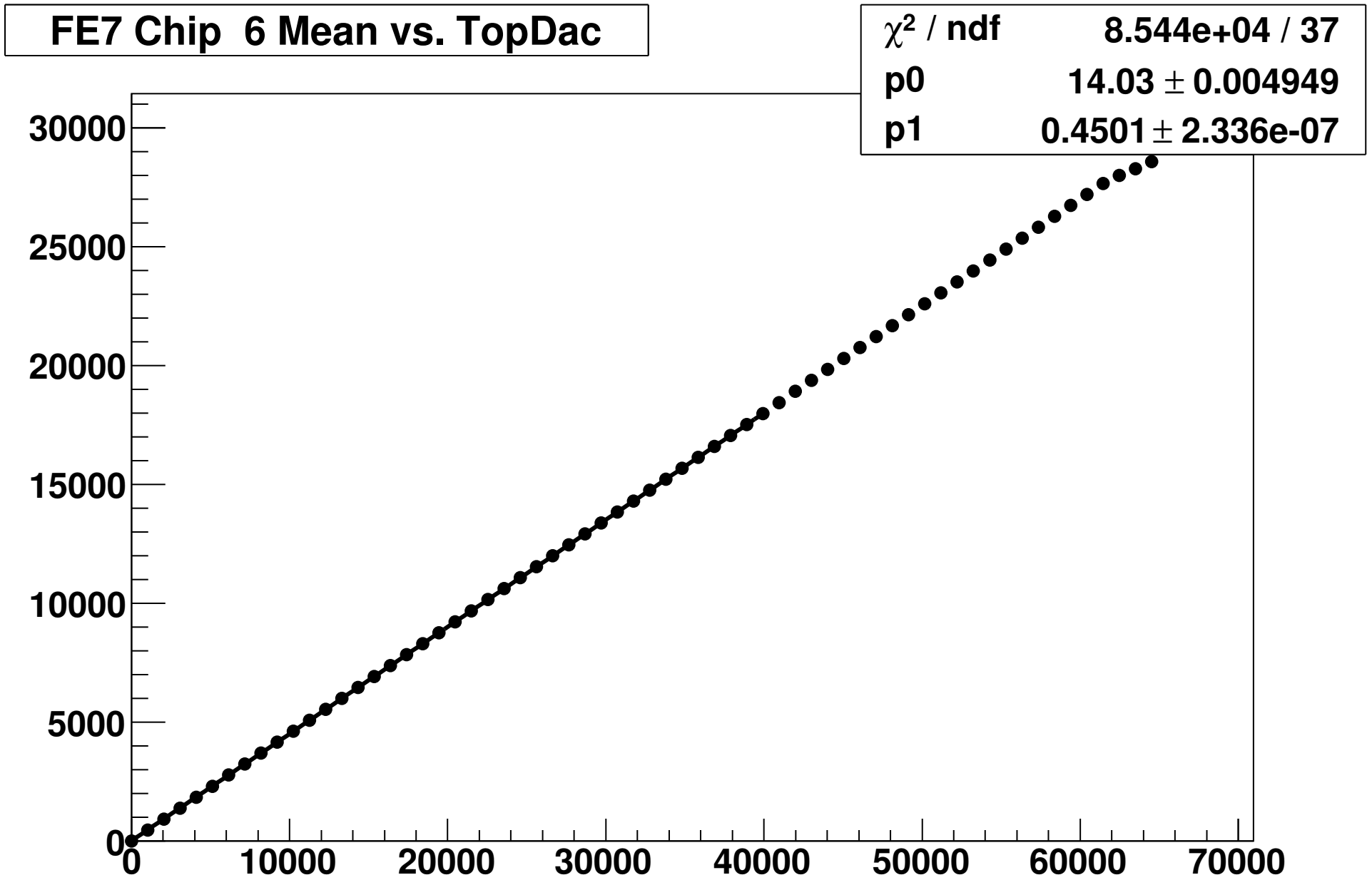

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 777.3 / 37
p0 1.351 ± 0.002762
p1 3.328e-05 ± 2.027e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

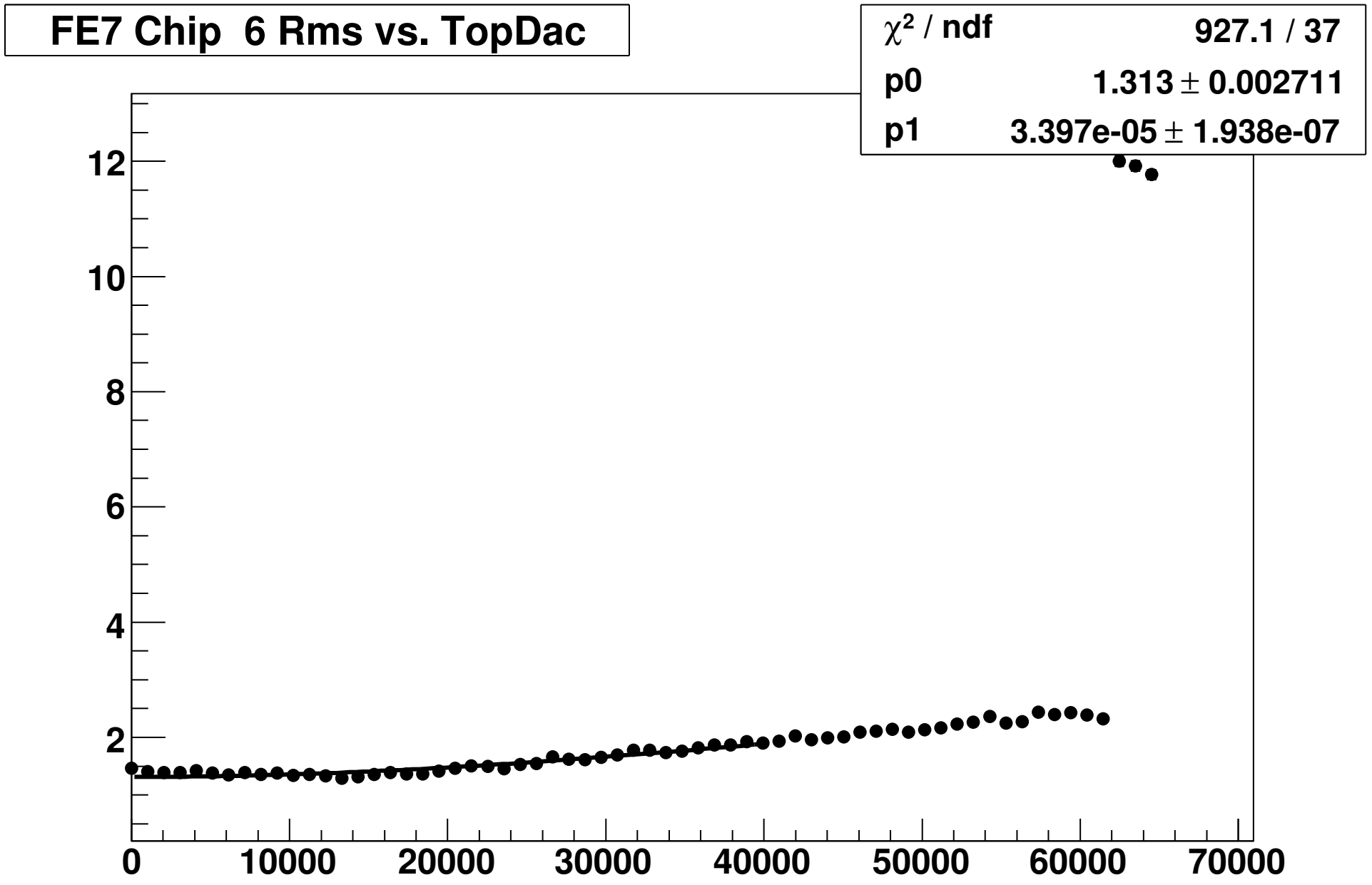

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 1769 / 37
p0 68.95 ± 0.005032
p1 6.448e-06 ± 2.138e-07
69.3
69.2
69.1
69
68.9
68.8
68.7
68.6
68.5
0
10000
20000
30000
40000
50000
60000
70000

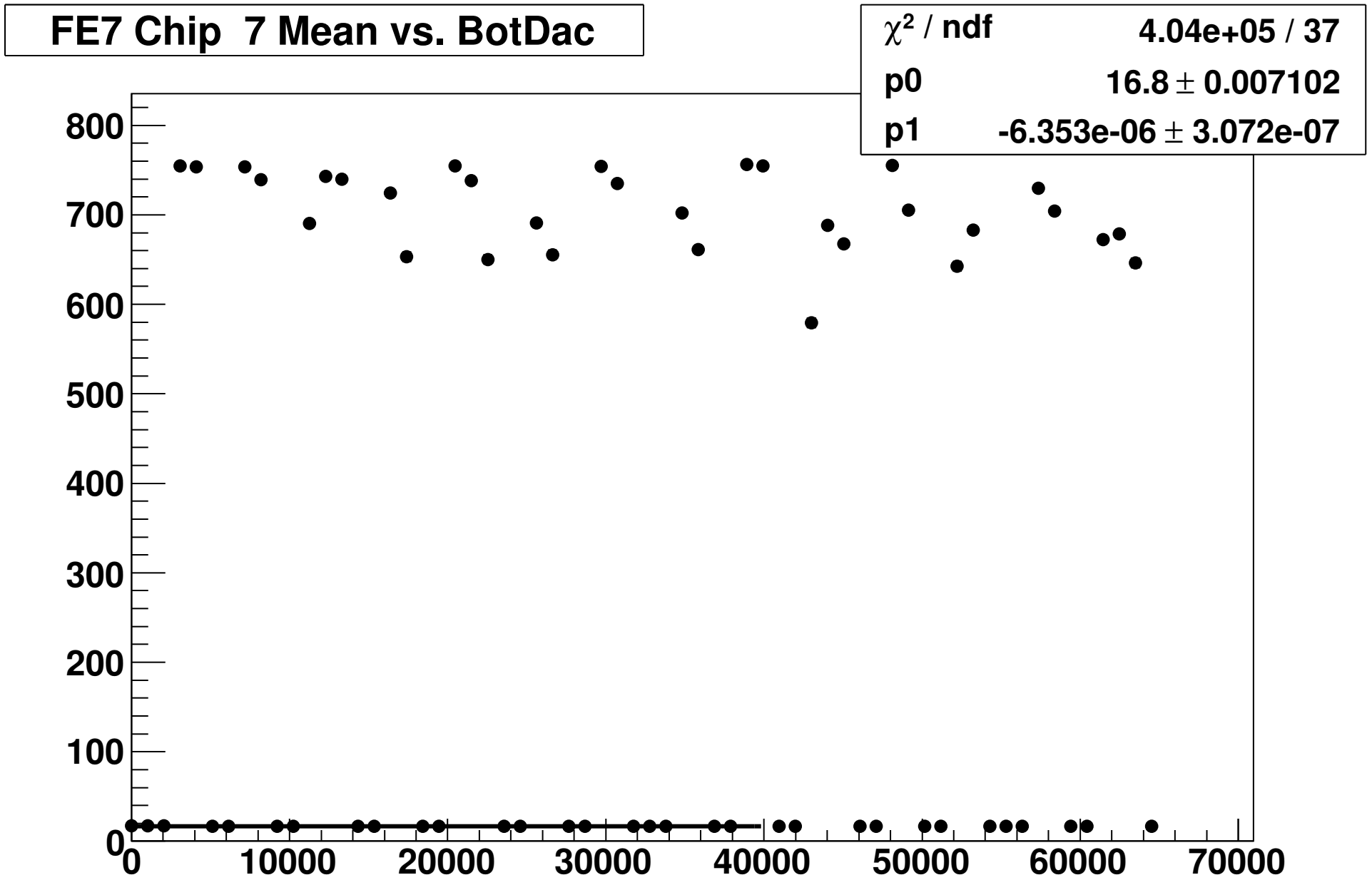

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 41.76 / 37
p0 1.451 ± 0.001748
p1 -2.654e-13 ± 1.881e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

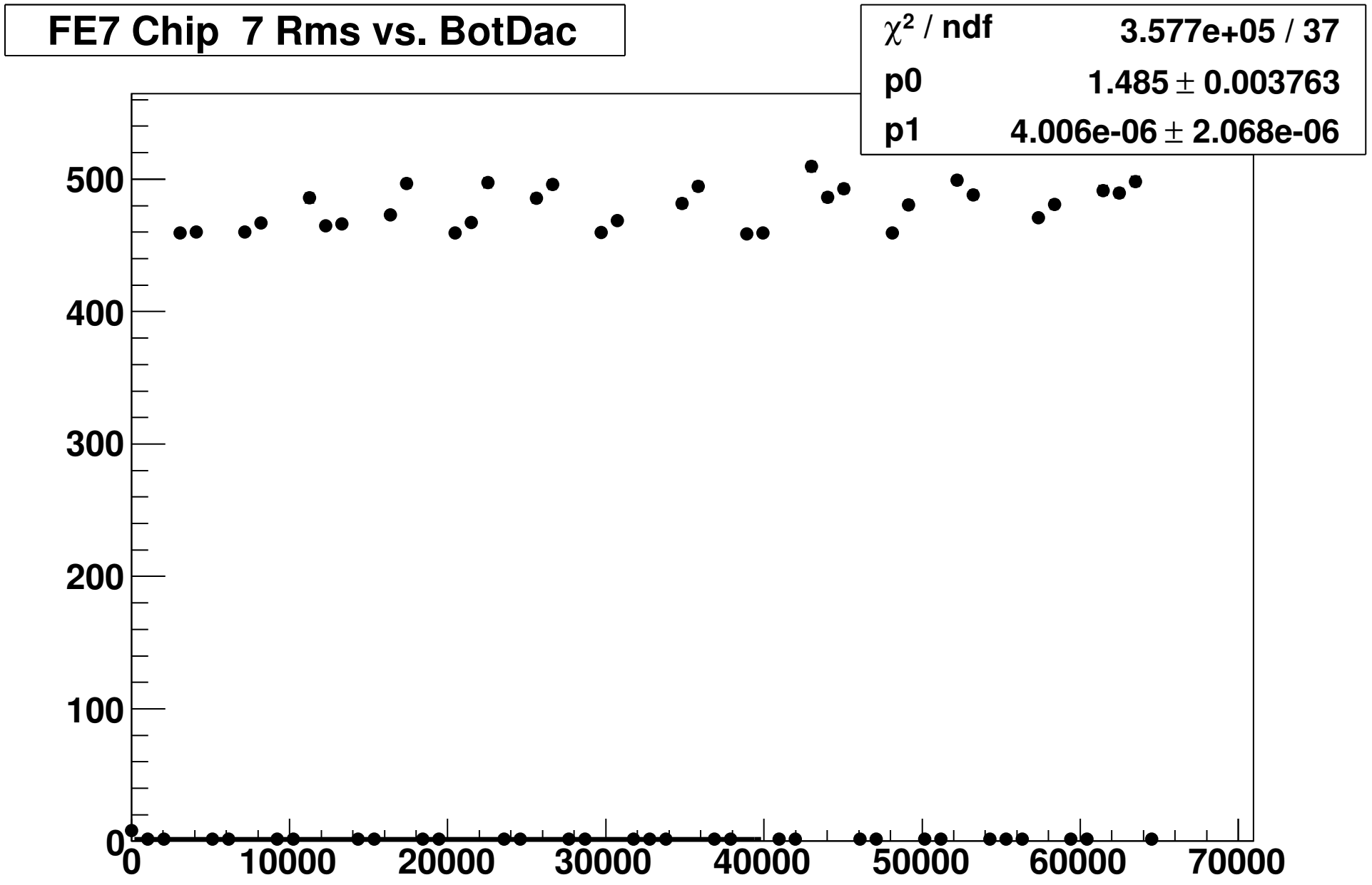

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 2101 / 37
p0 12.51 ± 0.005018
p1 -5.046e-06 ± 2.137e-07
13
12.9
12.8
12.7
12.6
12.5
12.4
12.3
12.2
0
10000
20000
30000
40000
50000
60000
70000

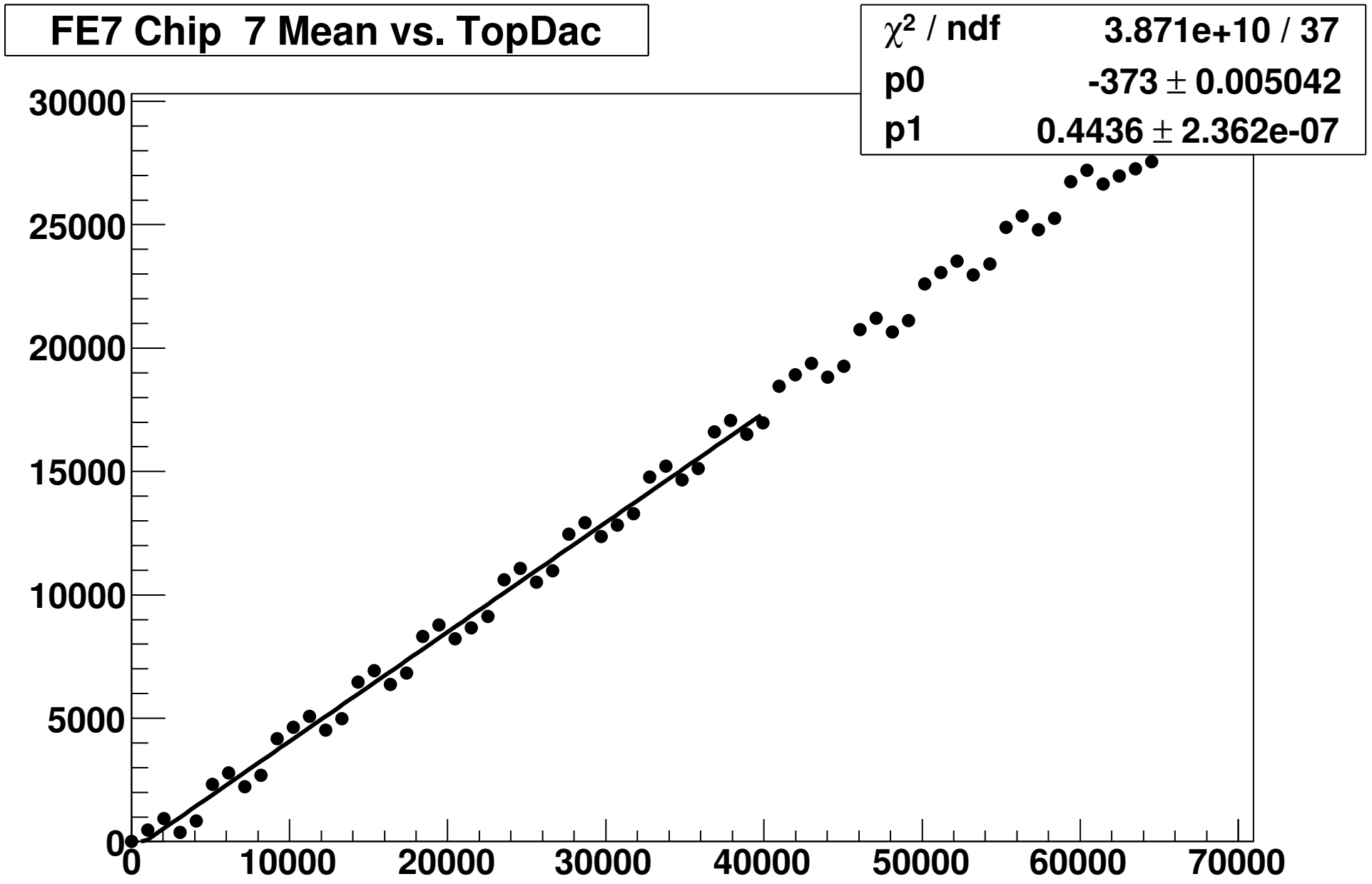

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 39.11 / 37
p0 1.448 ± 0.002634
p1 2.857e-06 ± 1.821e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

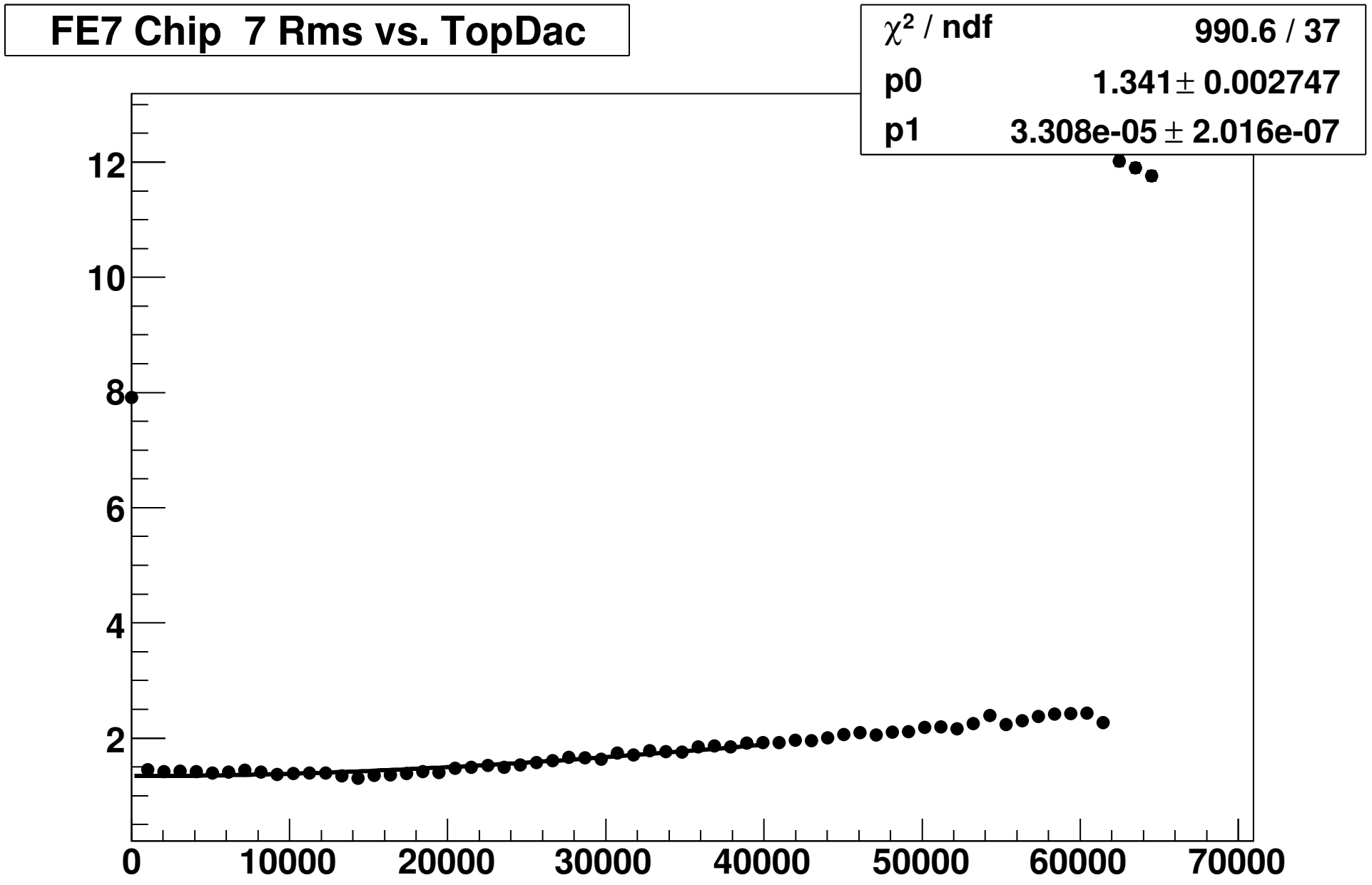

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 8.544e+04 / 37
p0 14.03 ± 0.004949
p1 0.4501 ± 2.336e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

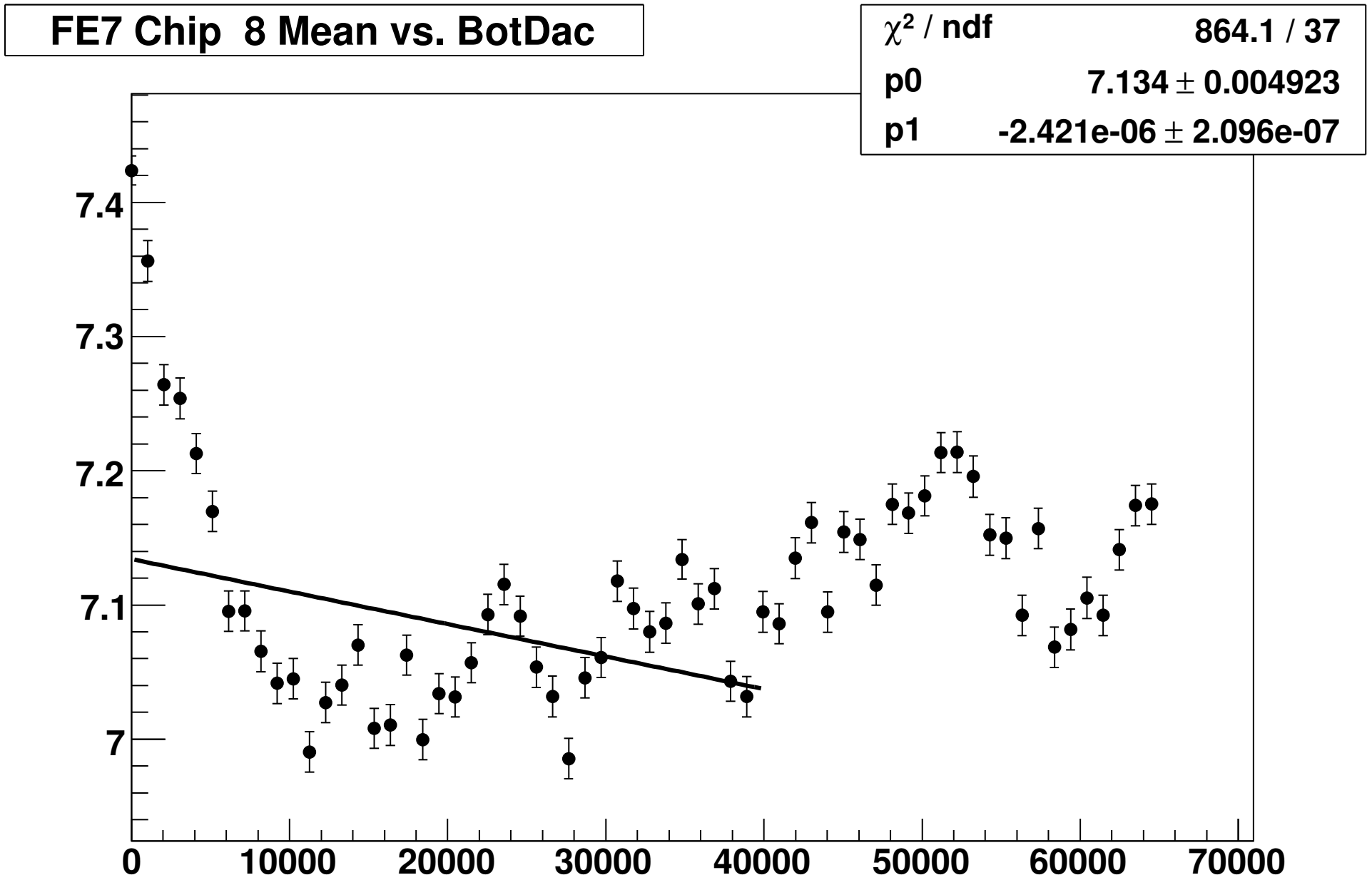

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 927.1 / 37
p0 1.313 ± 0.002711
p1 3.397e-05 ± 1.938e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

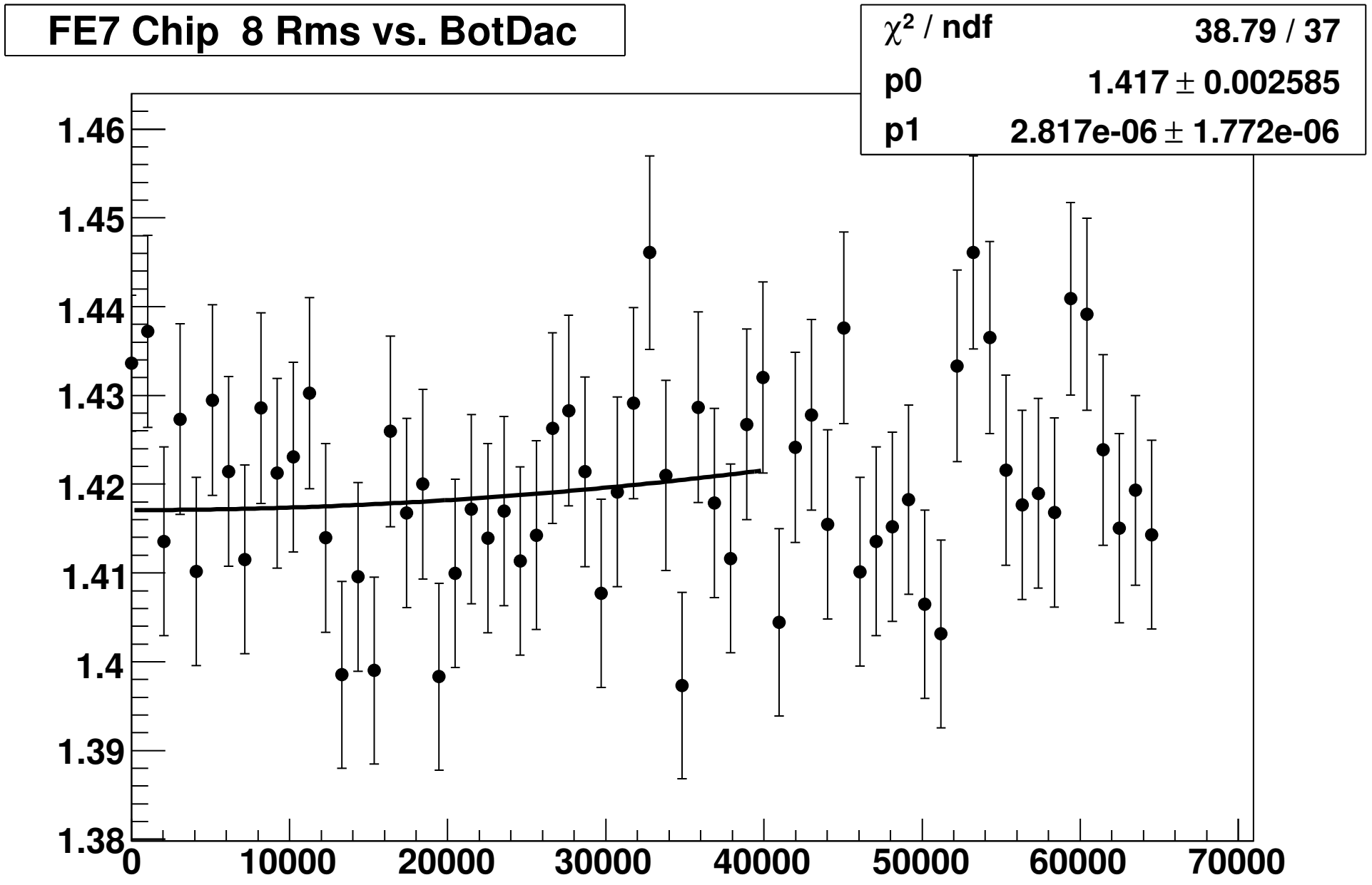

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 4.04e+05 / 37
p0 16.8 ± 0.007102
p1 -6.353e-06 ± 3.072e-07
800
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

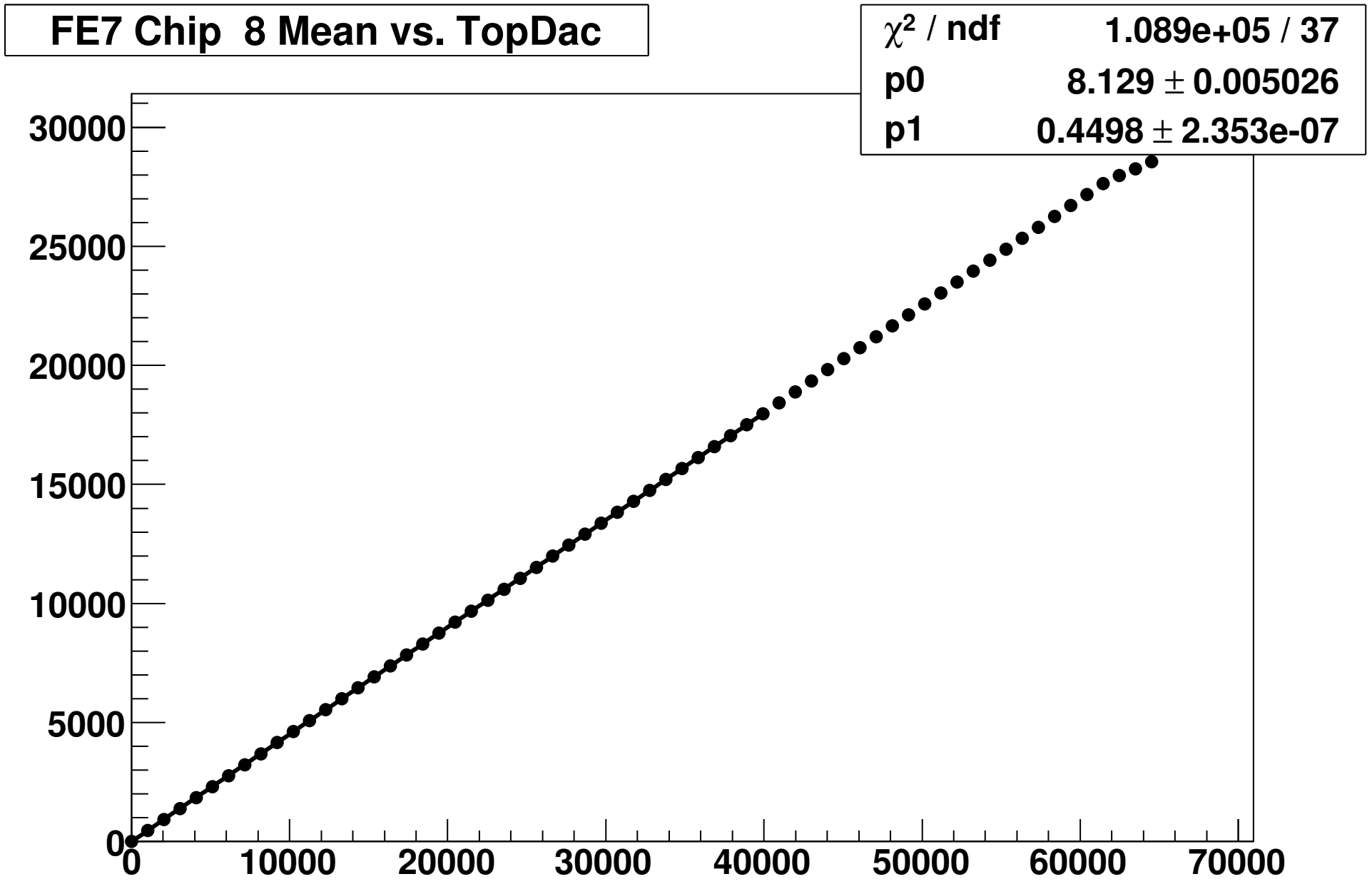

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 3.577e+05 / 37
p0 1.485 ± 0.003763
p1 4.006e-06 ± 2.068e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

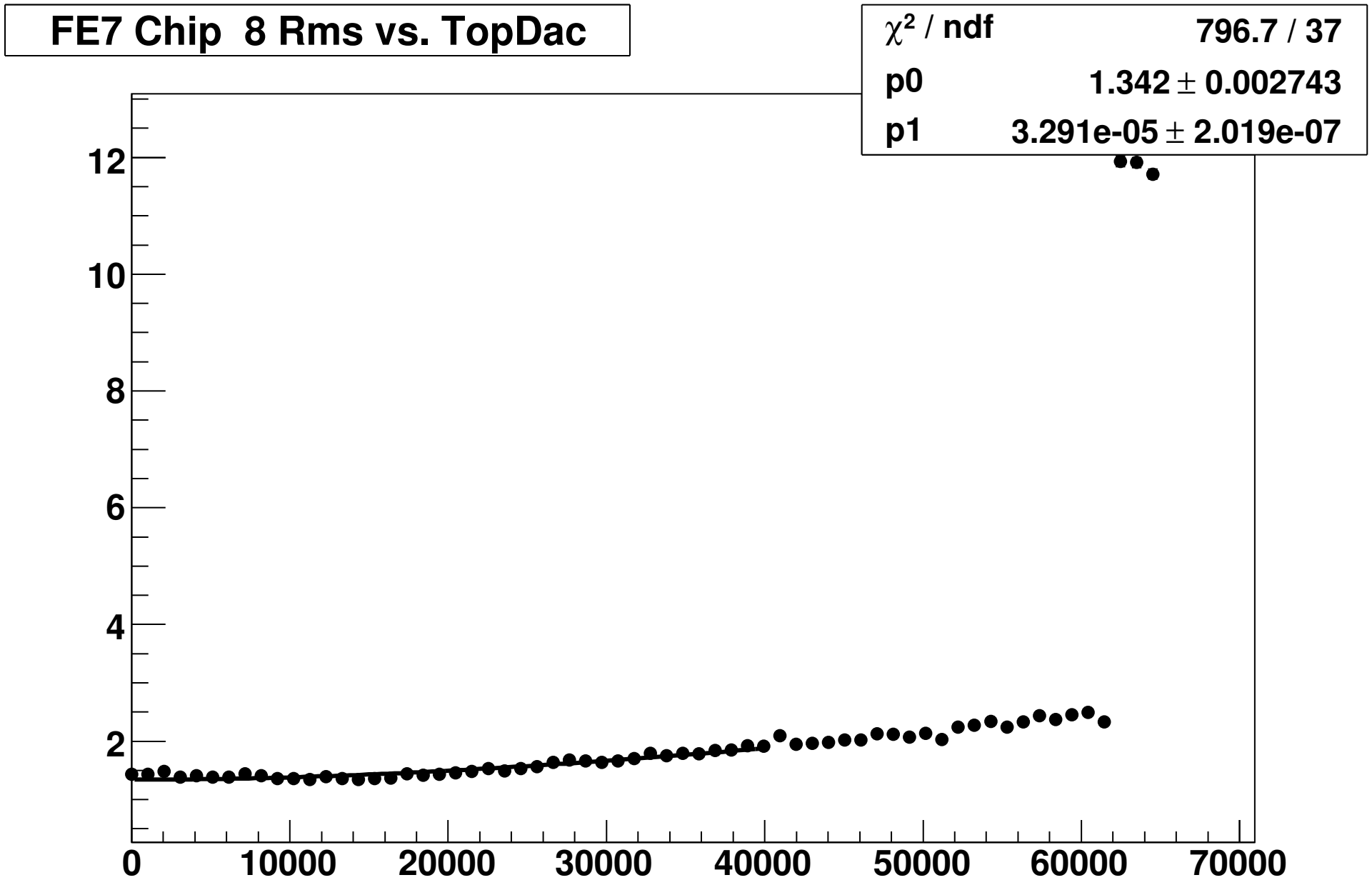

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 3.871e+10 / 37
p0 -373 ± 0.005042
p1 0.4436 ± 2.362e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

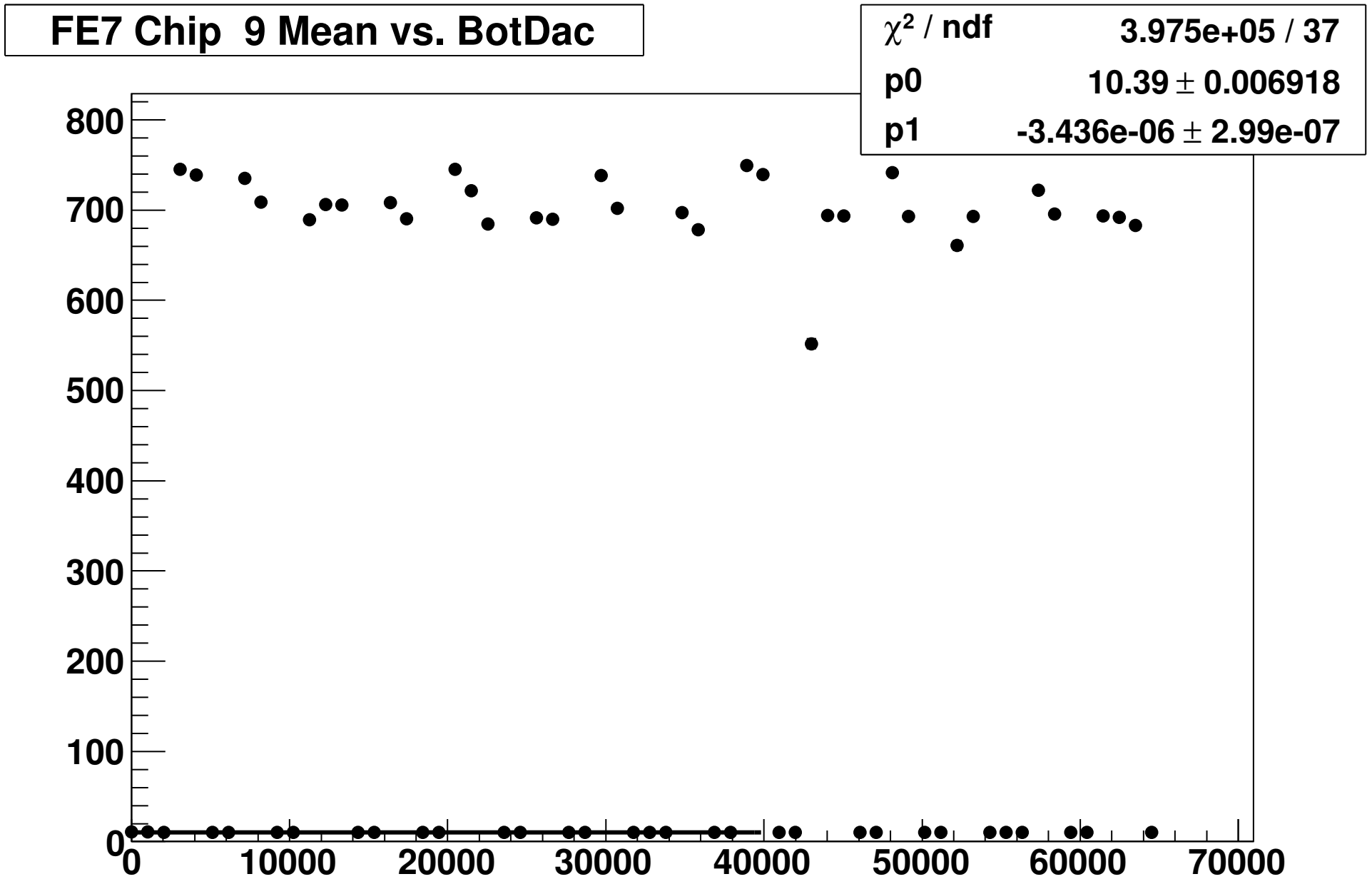

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 990.6 / 37
p0 1.341 ± 0.002747
p1 3.308e-05 ± 2.016e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

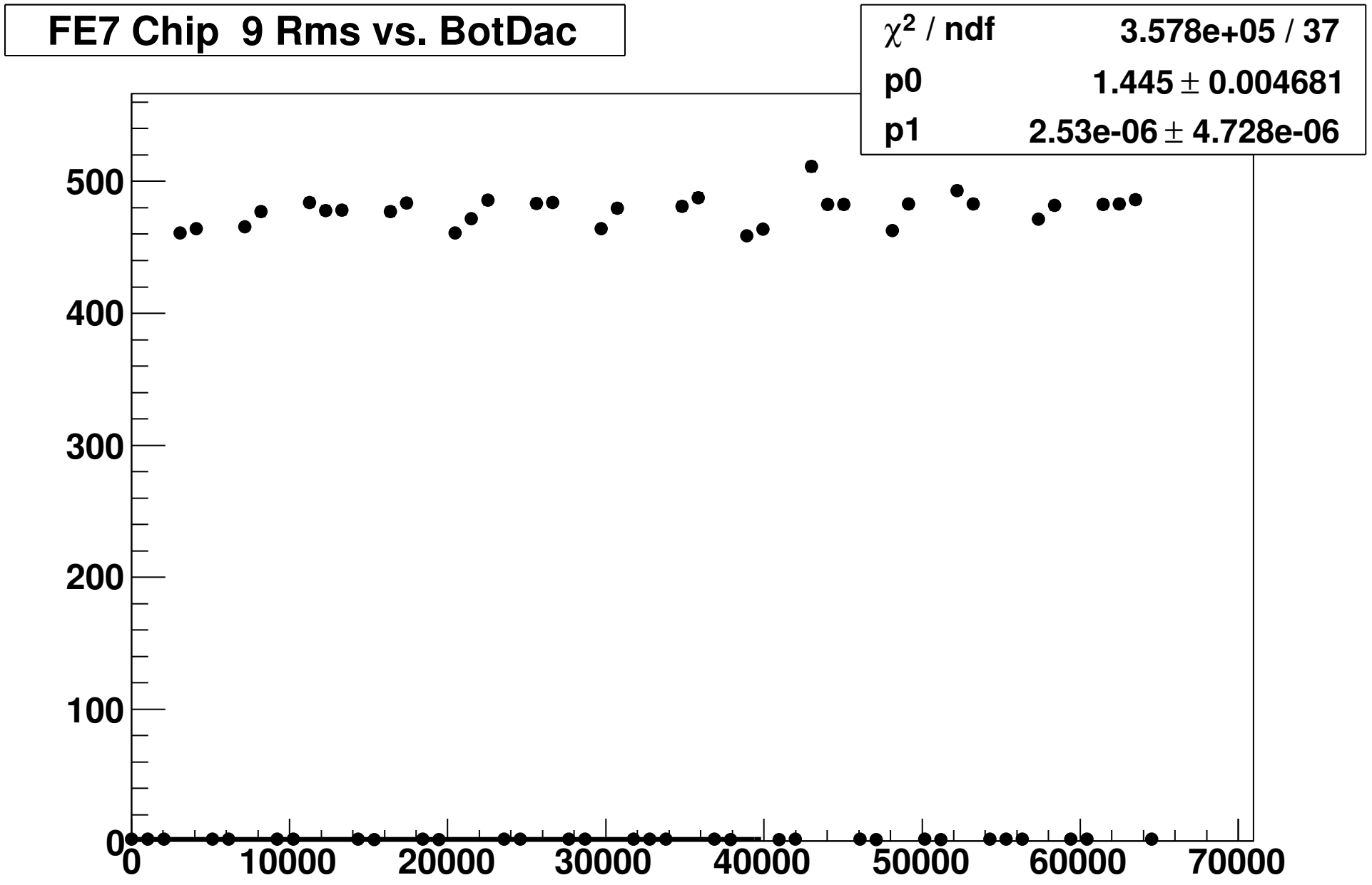

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 864.1 / 37
p0 7.134 ± 0.004923
p1 -2.421e-06 ± 2.096e-07
7.4
7.3
7.2
7.1
7
0
10000
20000
30000
40000
50000
60000
70000

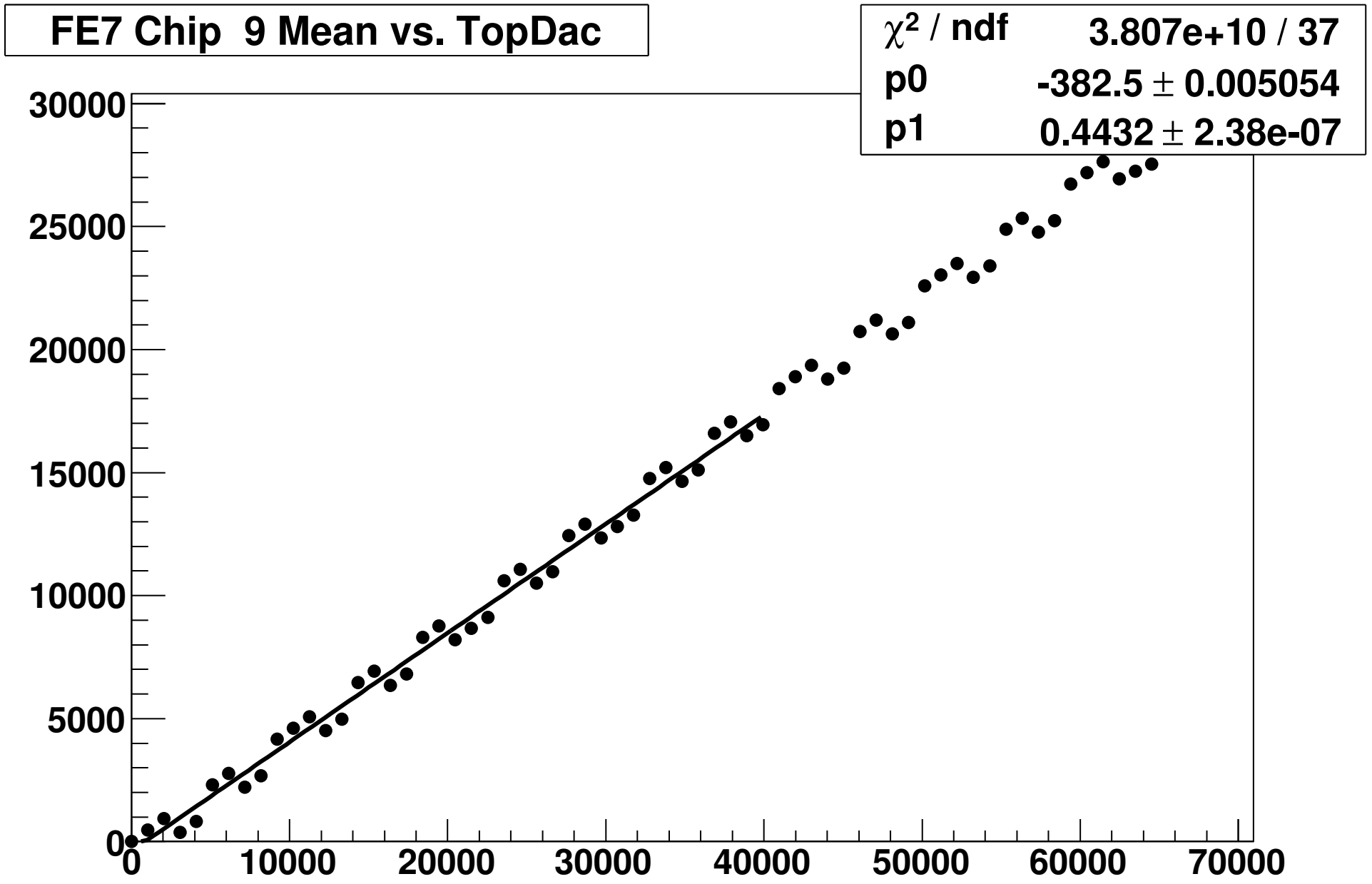

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 38.79 / 37
p0 1.417 ± 0.002585
p1 2.817e-06 ± 1.772e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000
70000

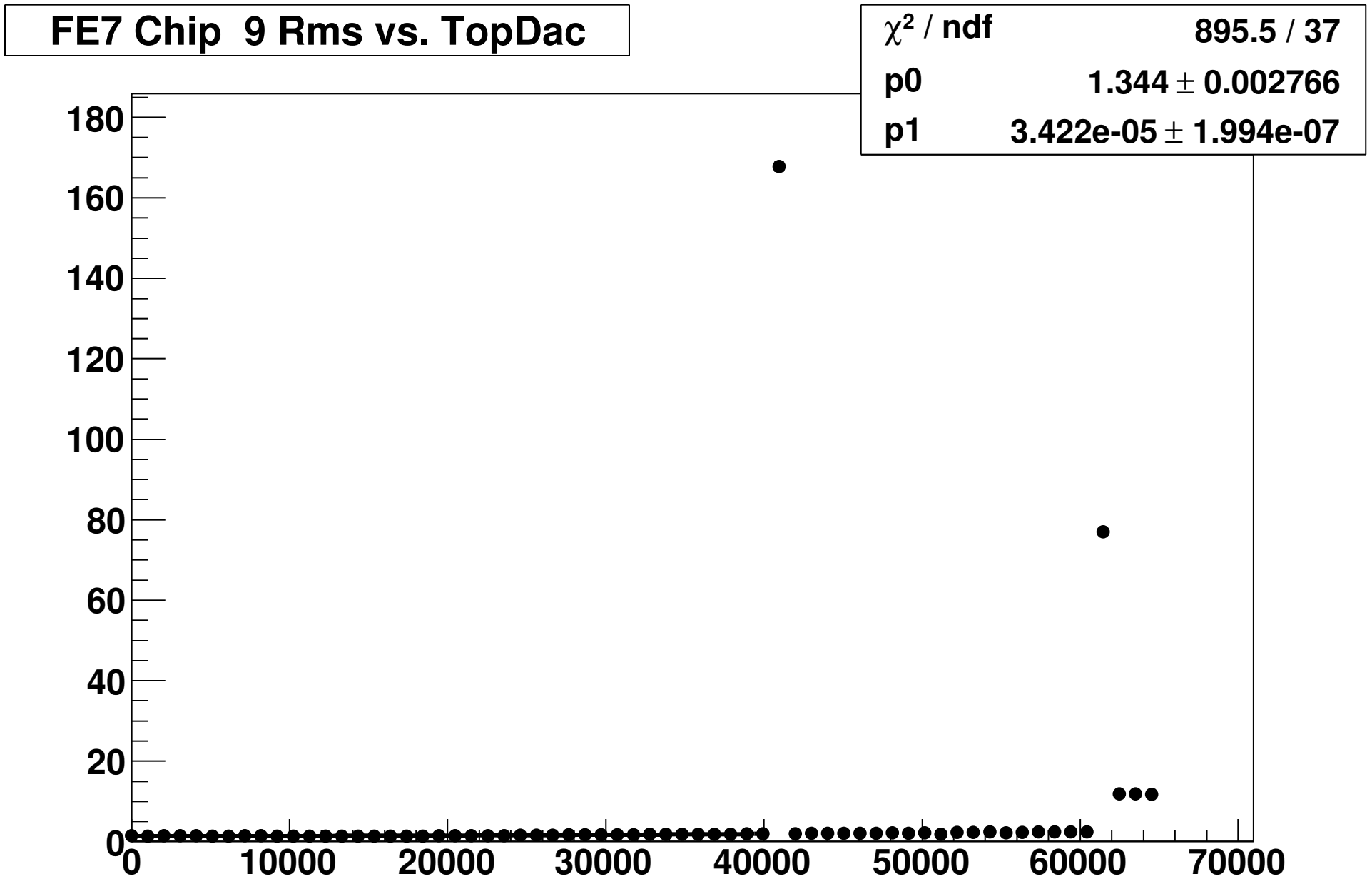

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 1.089e+05 / 37
p0 8.129 ± 0.005026
p1 0.4498 ± 2.353e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

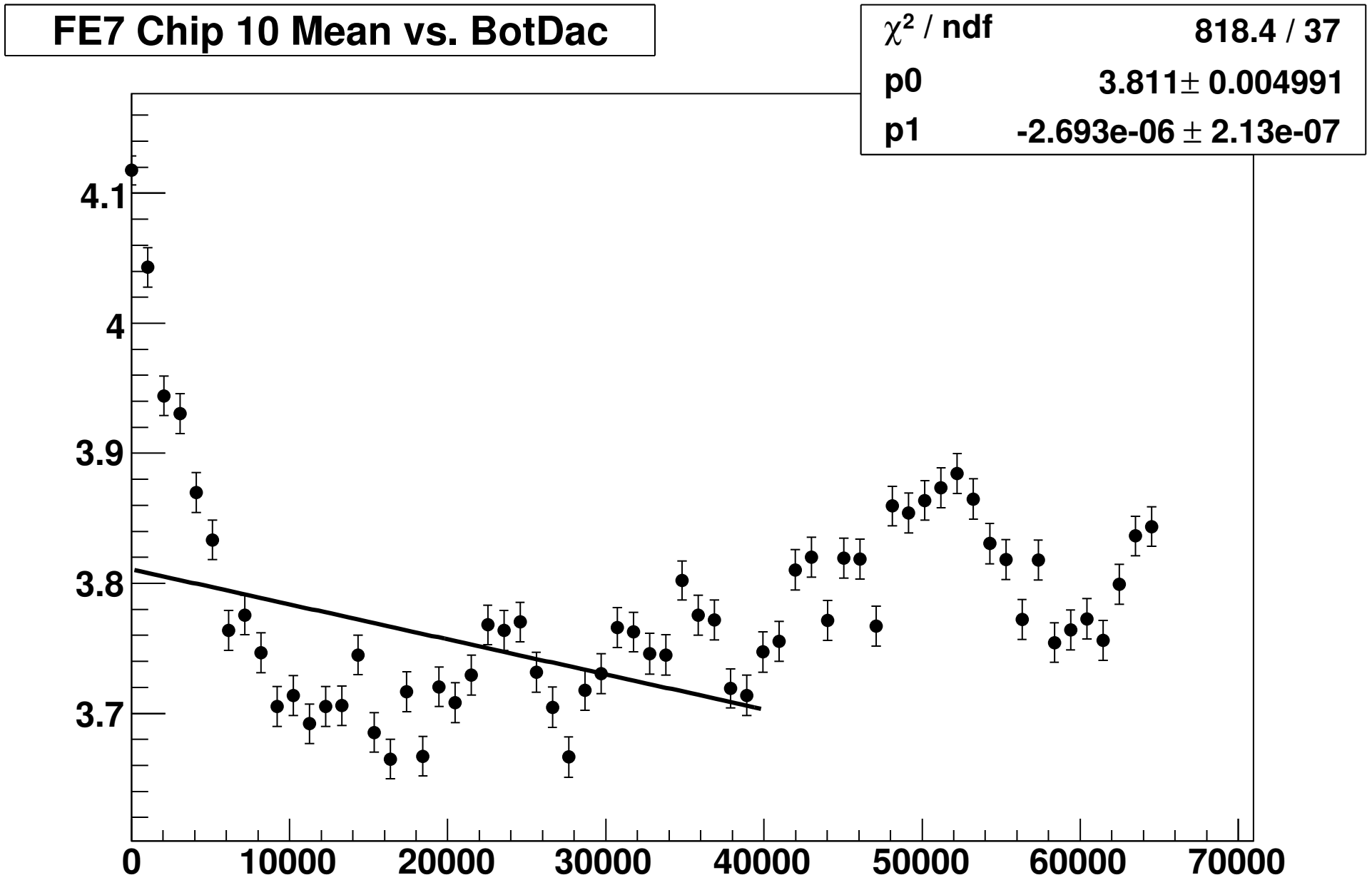

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 796.7 / 37
p0 1.342 ± 0.002743
p1 3.291e-05 ± 2.019e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

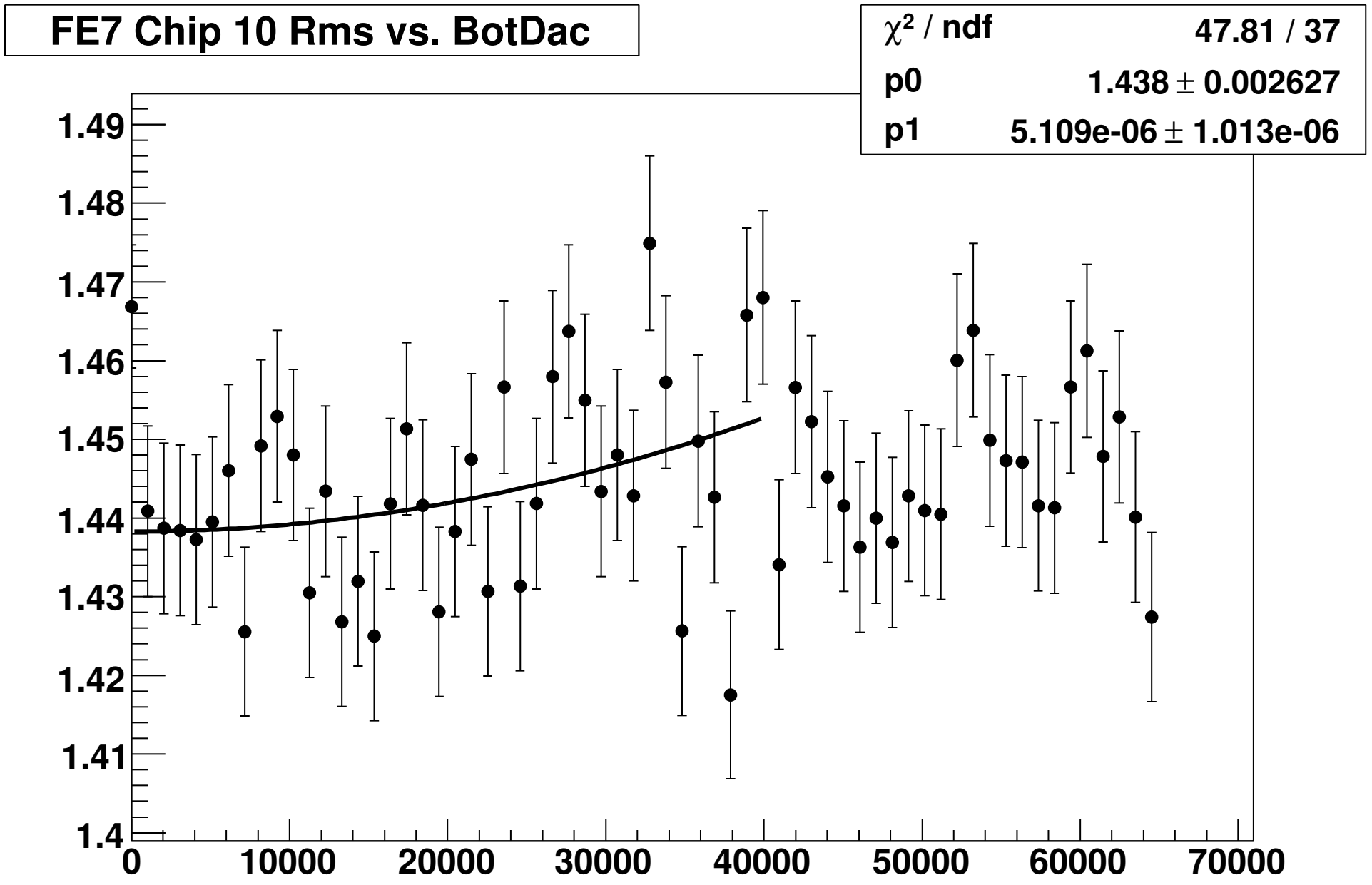

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 3.975e+05 / 37
p0 10.39 ± 0.006918
p1 -3.436e-06 ± 2.99e-07
800
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

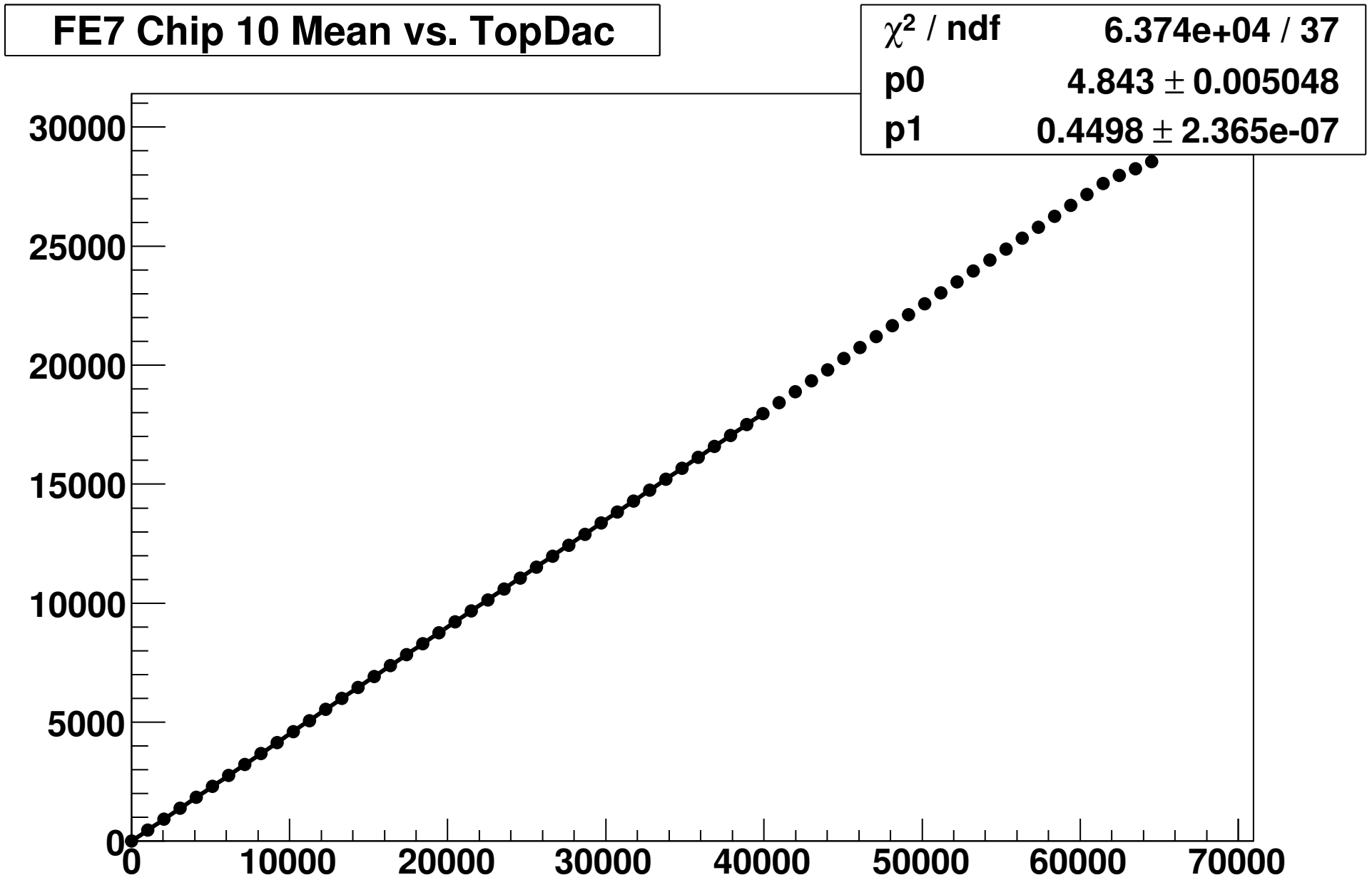

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 3.578e+05 / 37
p0 1.445 ± 0.004681
p1 2.53e-06 ± 4.728e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

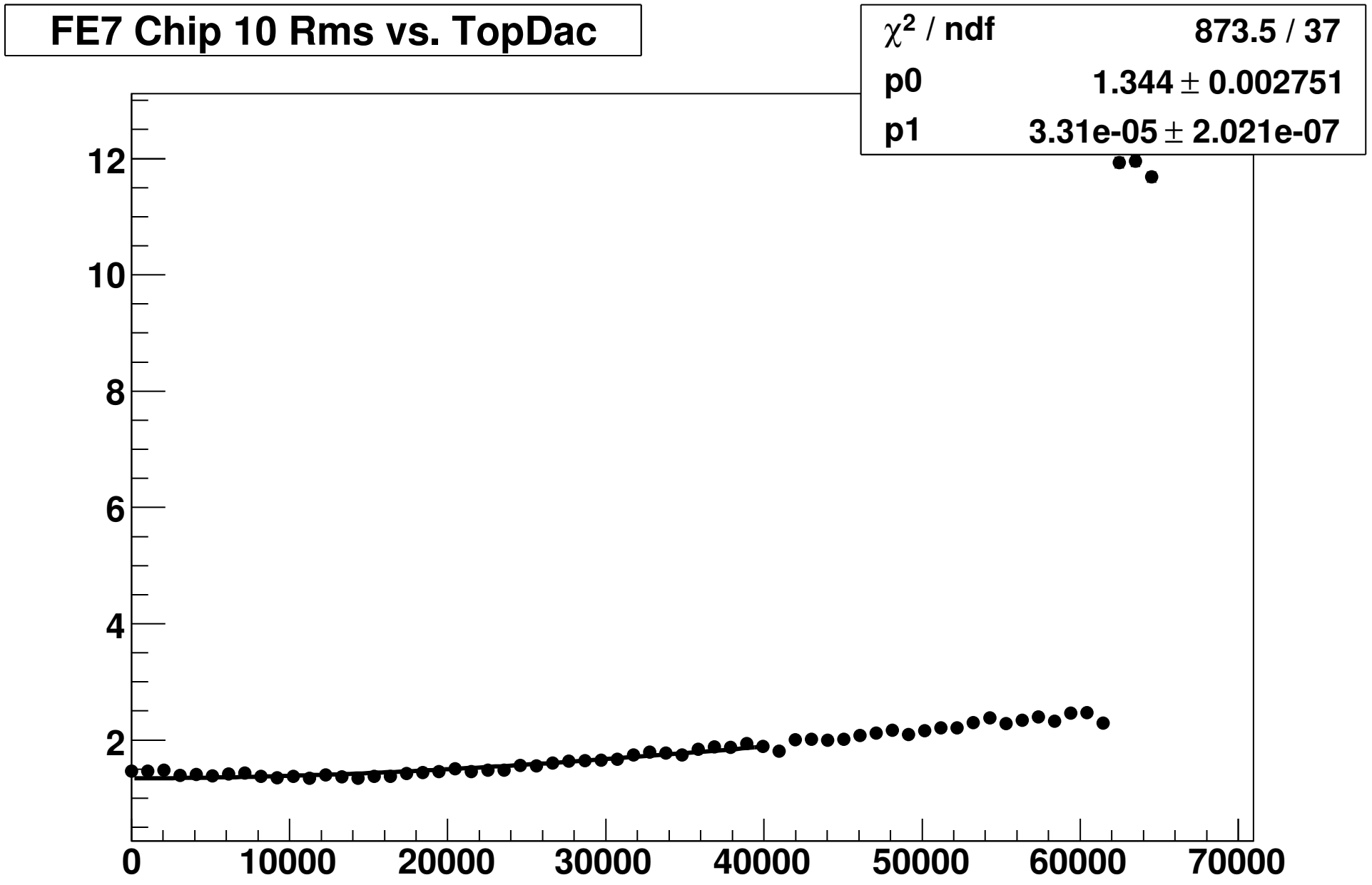

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 3.807e+10 / 37
p0 -382.5 ± 0.005054
p1 0.4432 ± 2.38e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

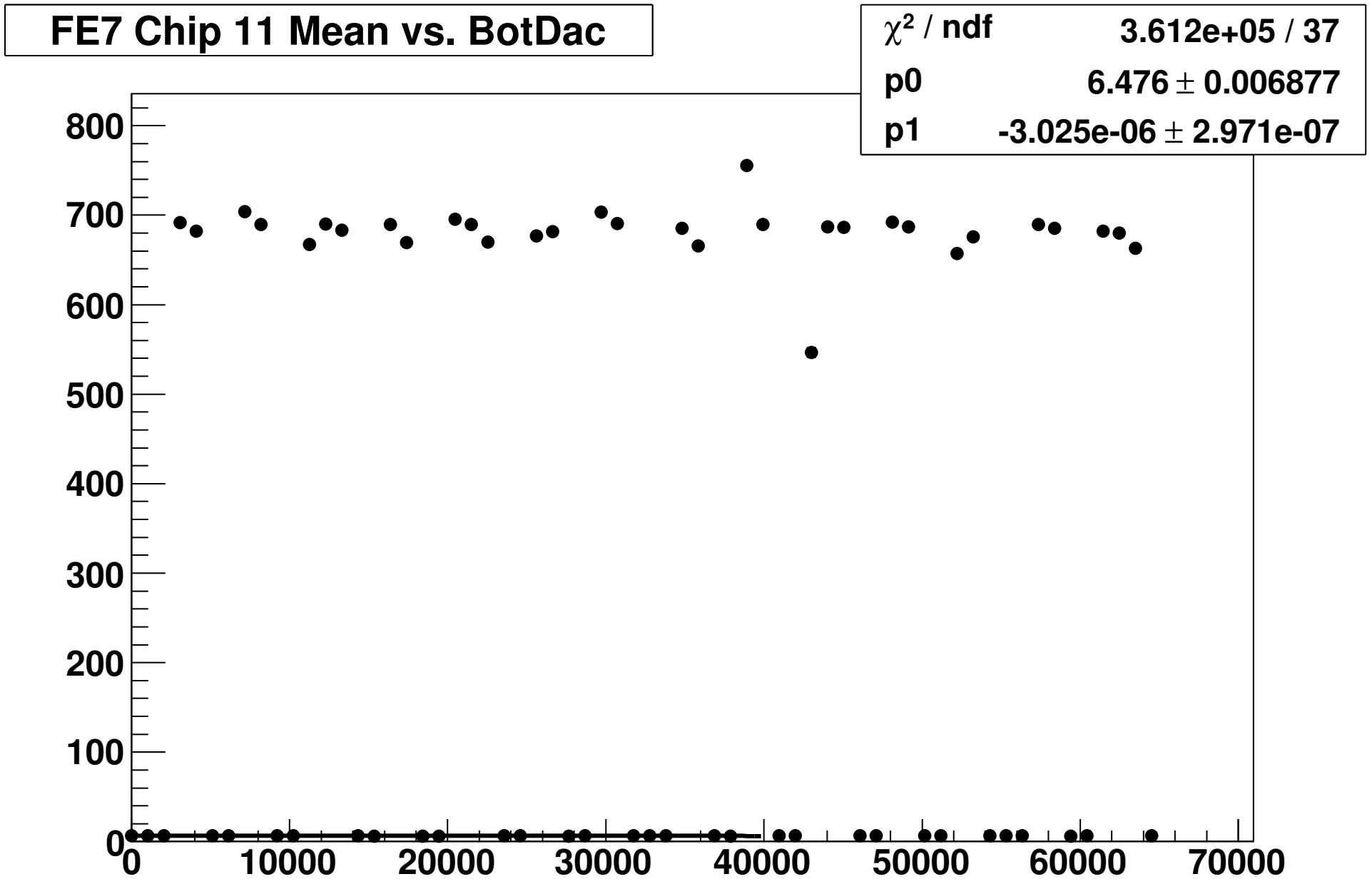

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 895.5 / 37
p0 1.344 ± 0.002766
p1 3.422e-05 ± 1.994e-07
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

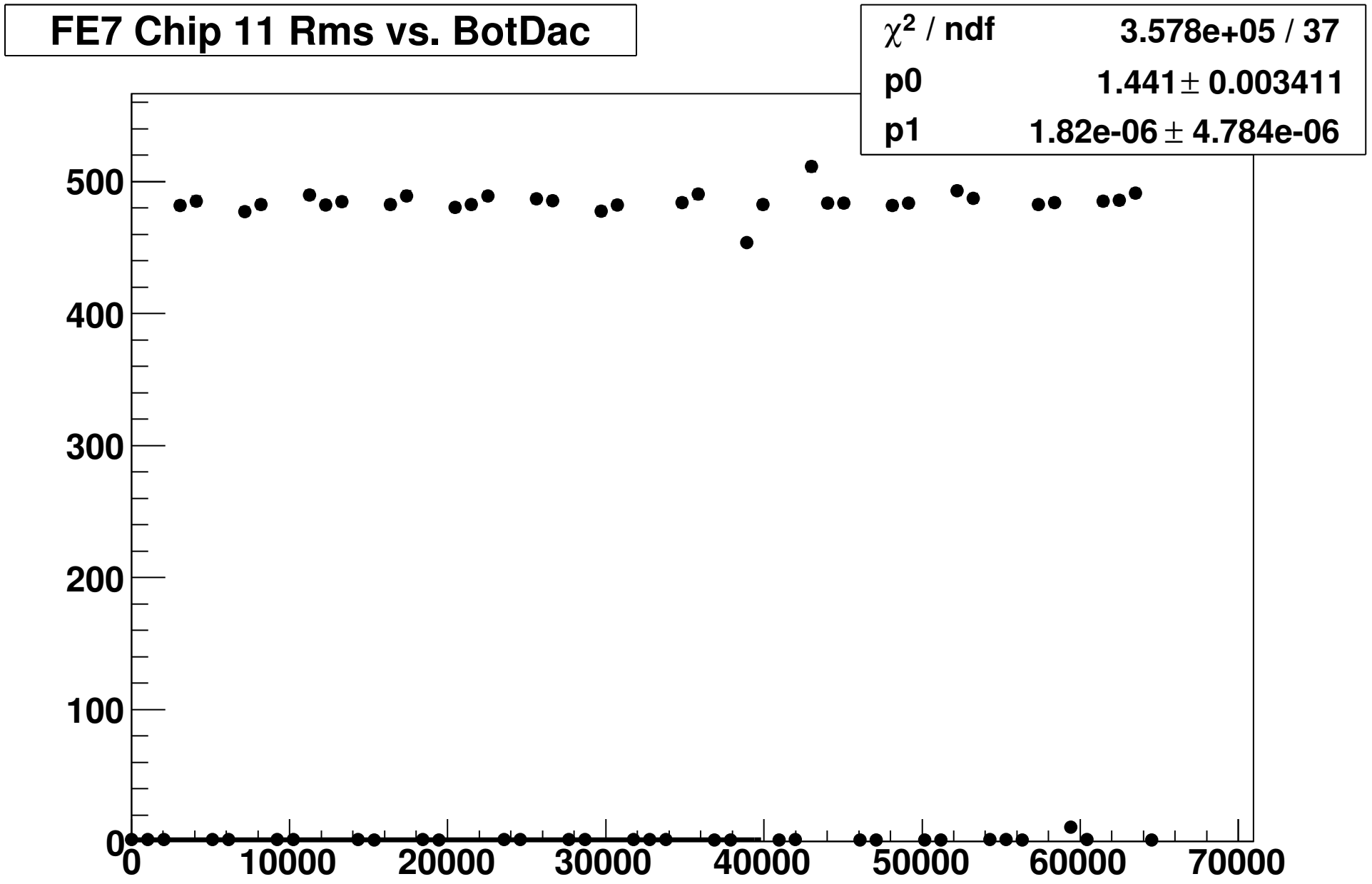

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 818.4 / 37
p0 3.811± 0.004991
p1 -2.693e-06 ± 2.13e-07
4.1
4
3.9
3.8
3.7
0
10000
20000
30000
40000
50000
60000
70000

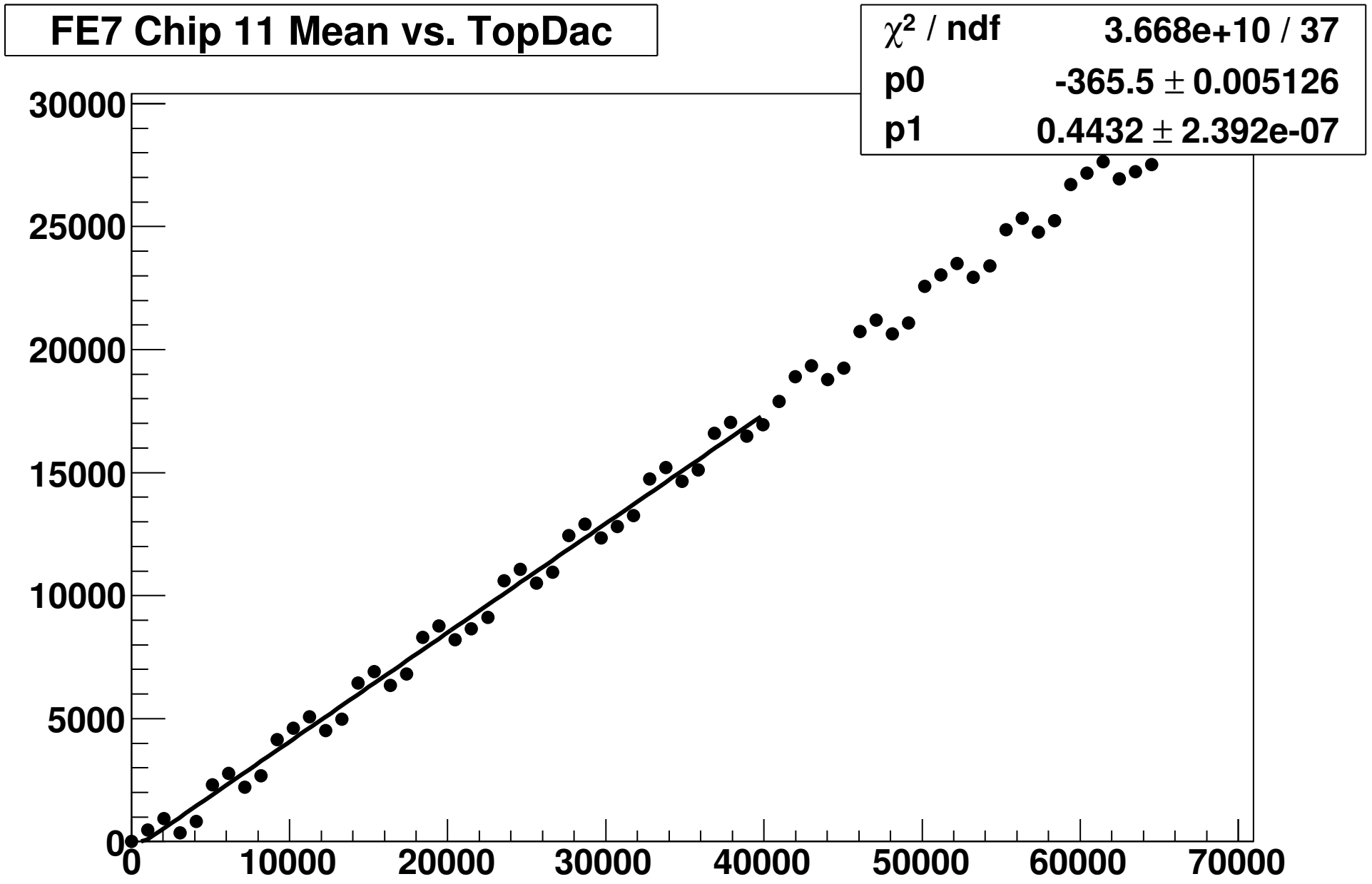

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 47.81 / 37
p0 1.438 ± 0.002627
p1 5.109e-06 ± 1.013e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

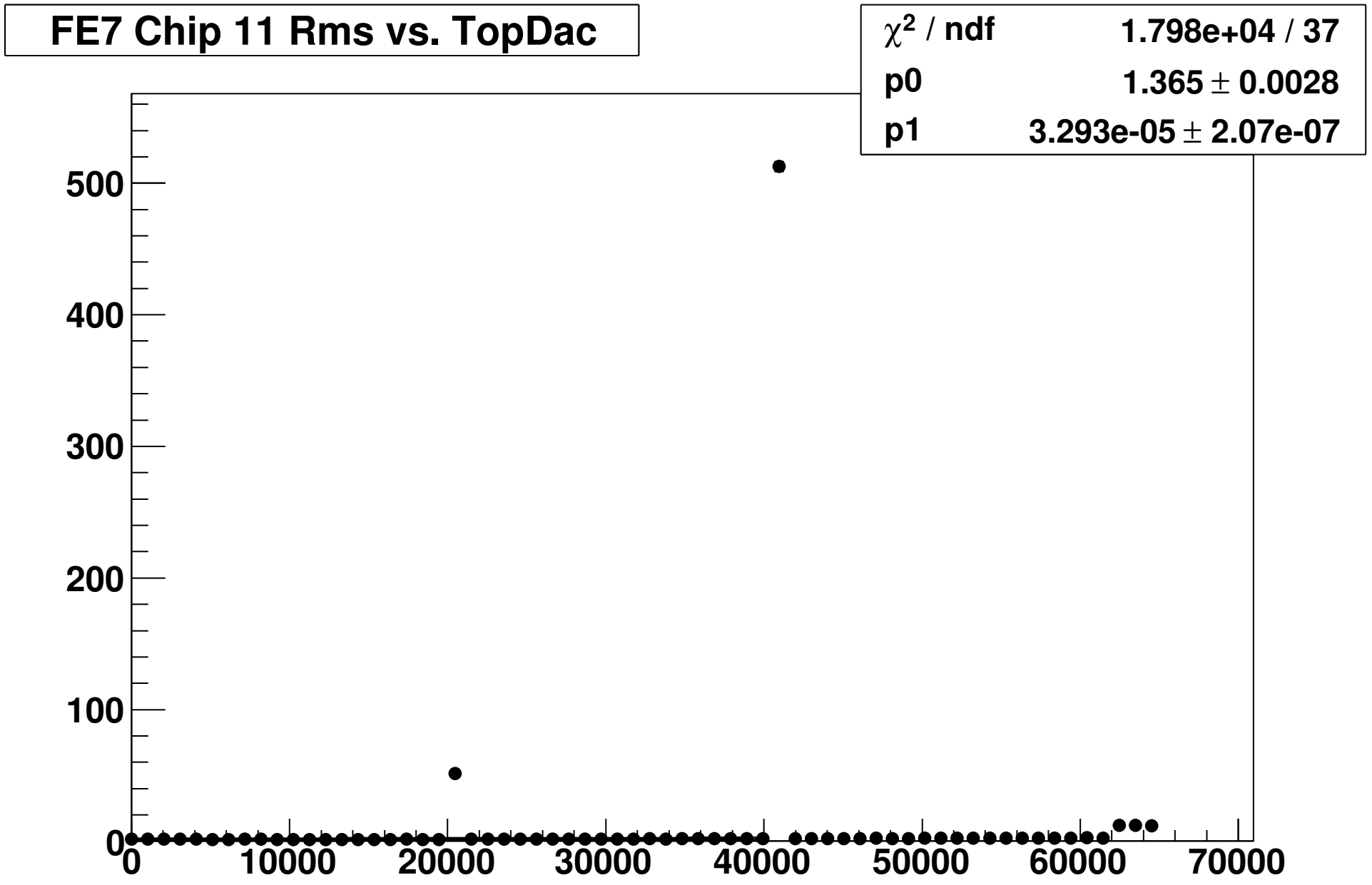

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 6.374e+04 / 37
p0 4.843 ± 0.005048
p1 0.4498 ± 2.365e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

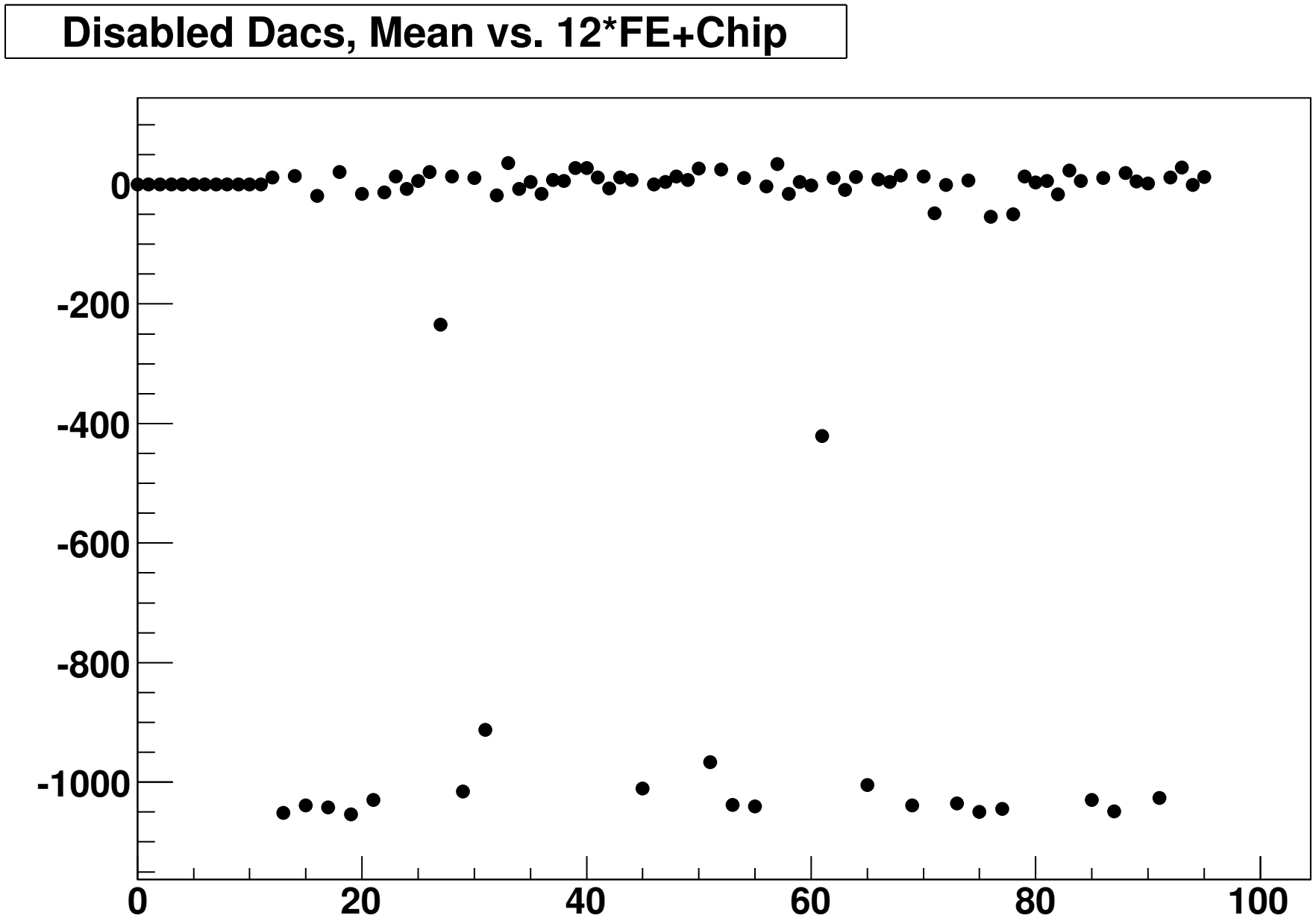

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 873.5 / 37
p0 1.344 ± 0.002751
p1 3.31e-05 ± 2.021e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

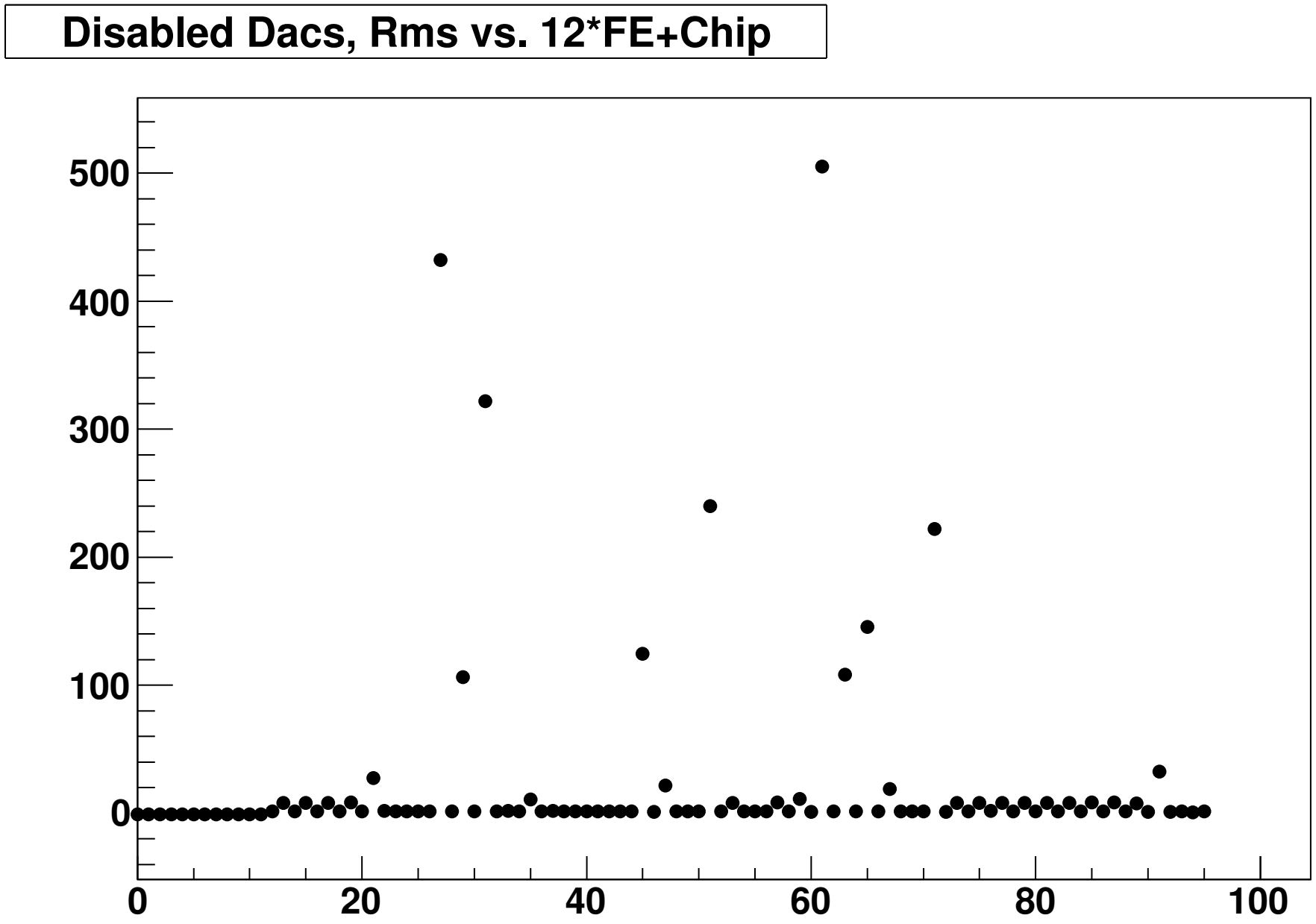

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 3.612e+05 / 37
p0 6.476 ± 0.006877
p1 -3.025e-06 ± 2.971e-07
800
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

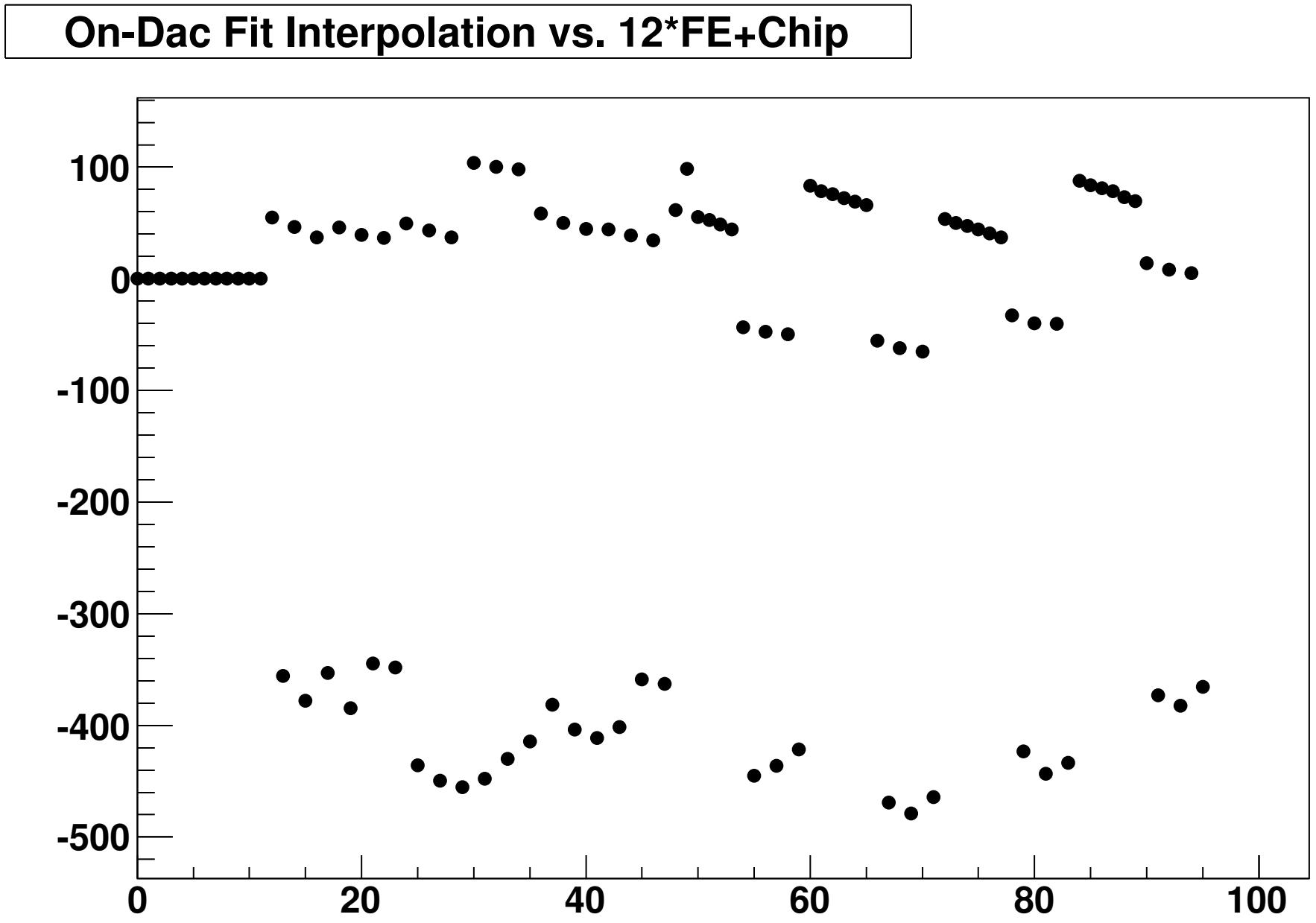

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 3.578e+05 / 37
p0 1.441 ± 0.003411
p1 1.82e-06 ± 4.784e-06
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

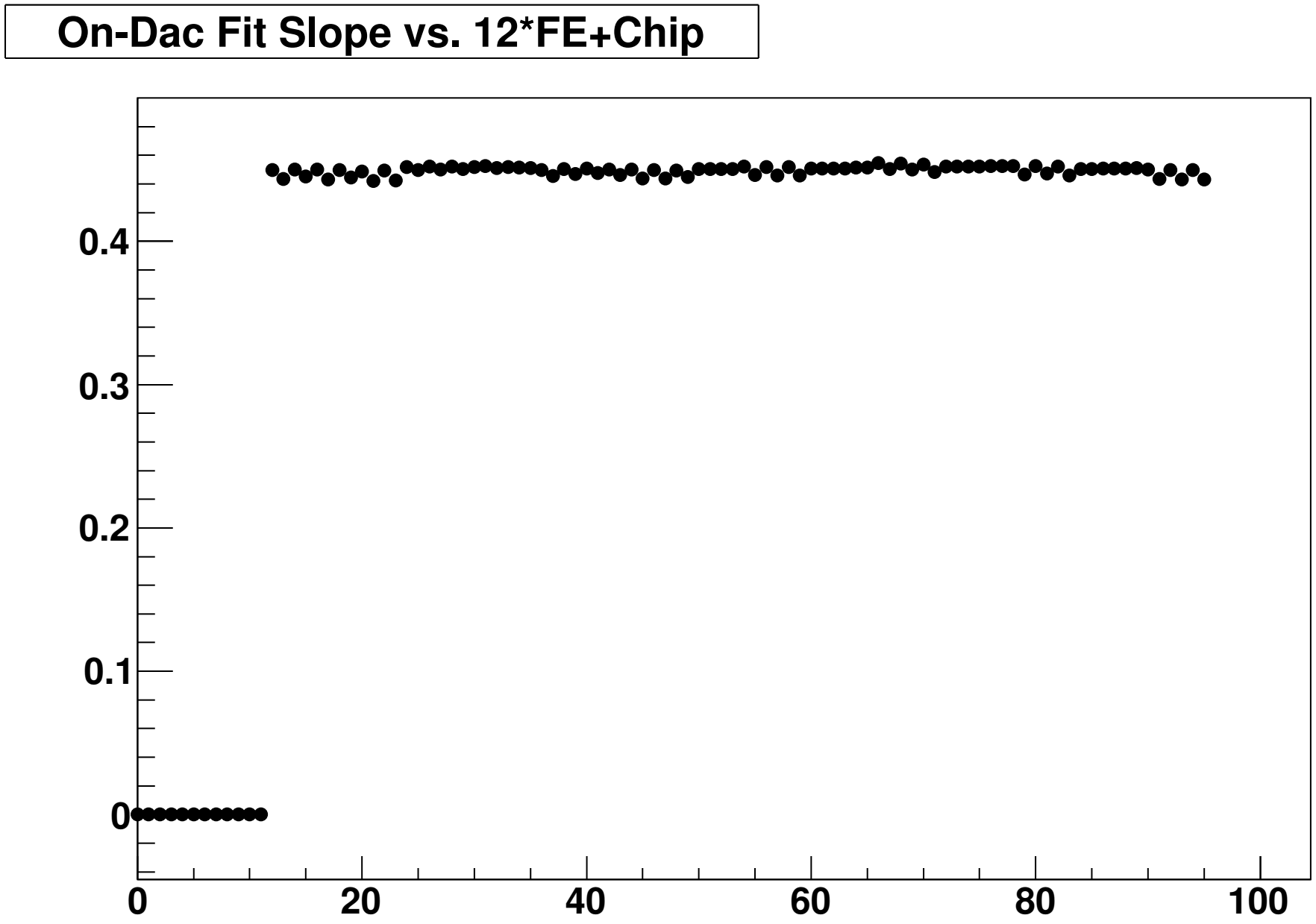

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 3.668e+10 / 37
p0 -365.5 ± 0.005126
p1 0.4432 ± 2.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

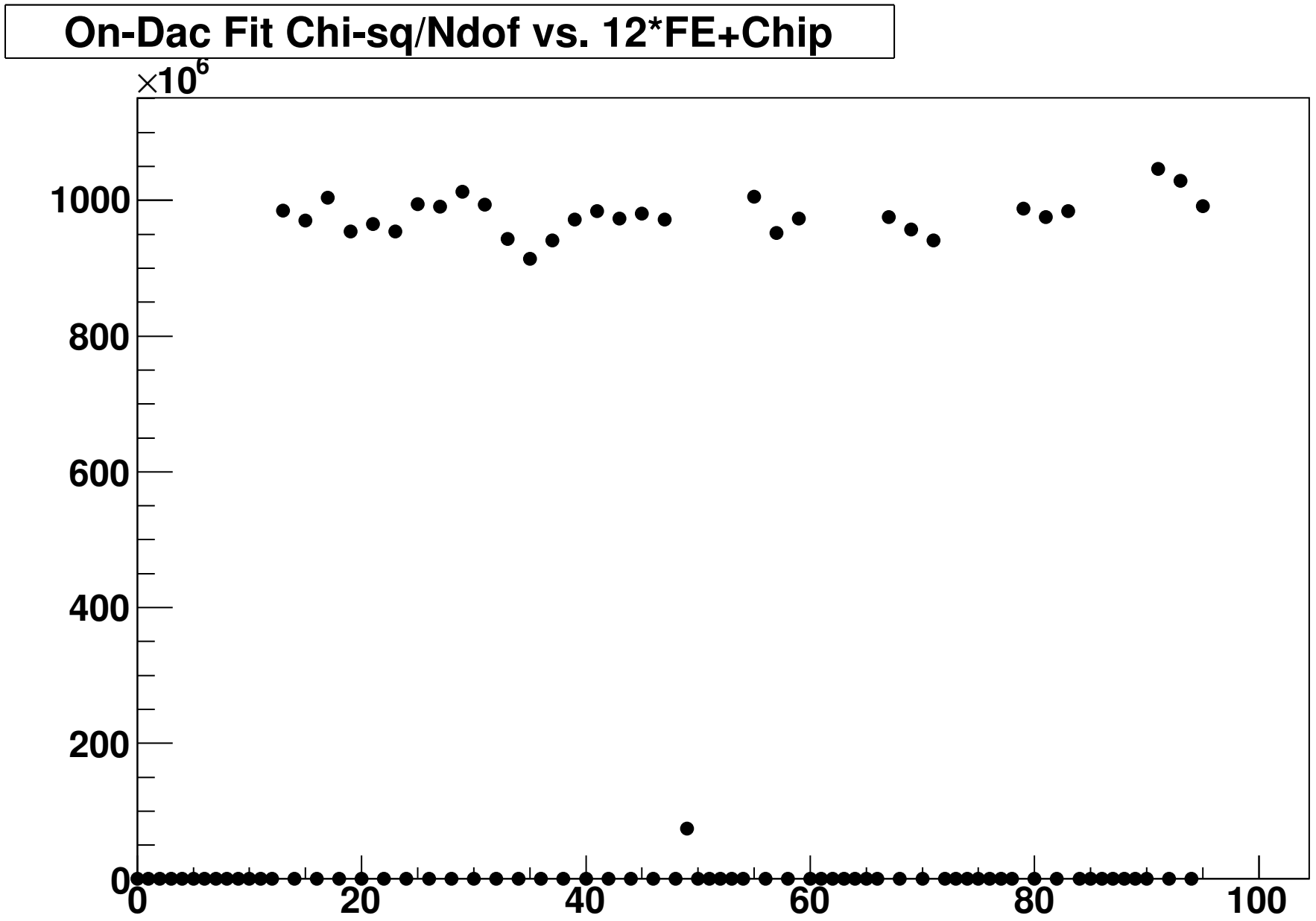

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1.798e+04 / 37
p0 1.365 ± 0.0028
p1 3.293e-05 ± 2.07e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

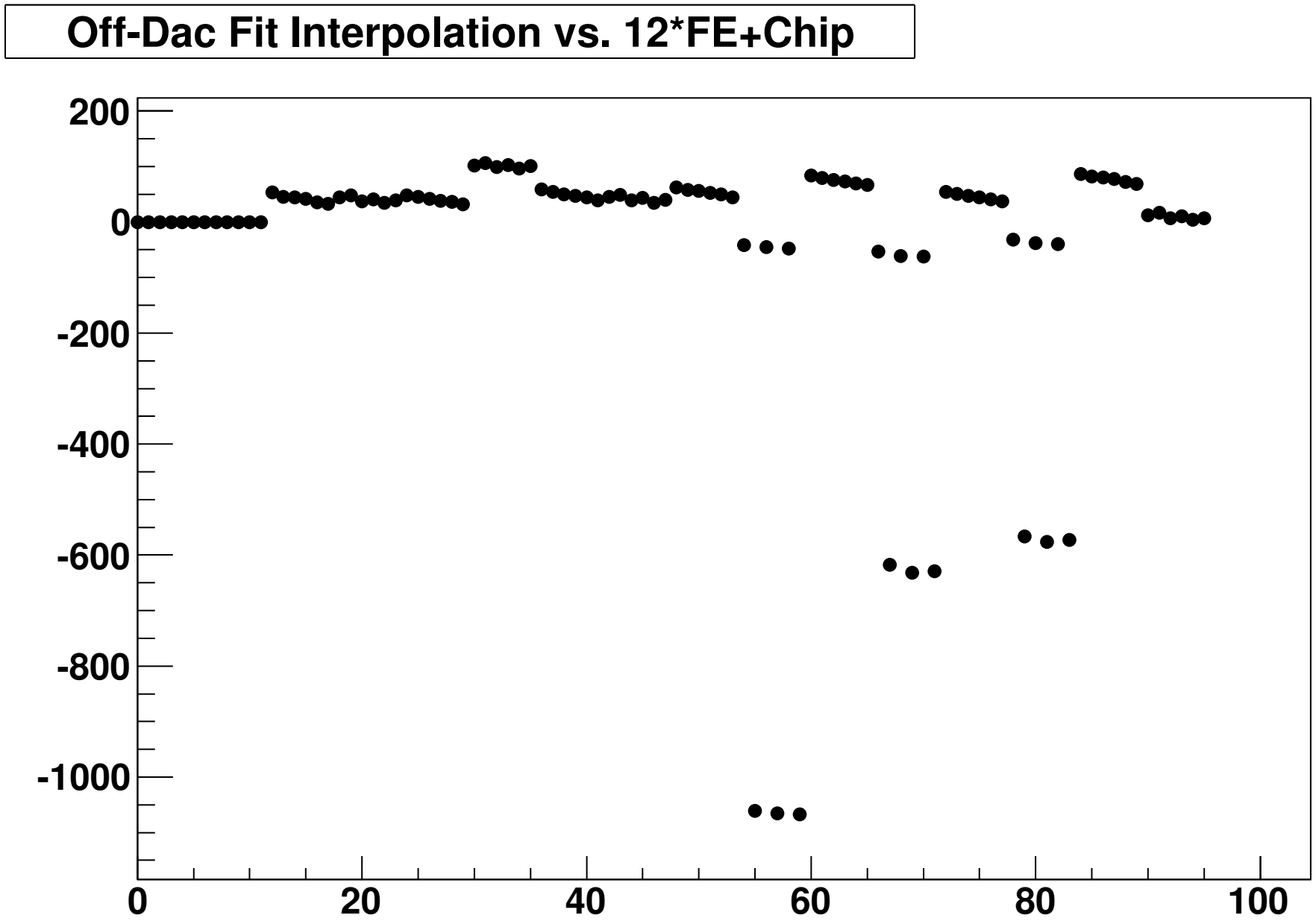

Disabled Dacs, Mean vs. 12*FE+Chip
0
-200
-400
-600
-800
-1000
0
20
40
60
80
100

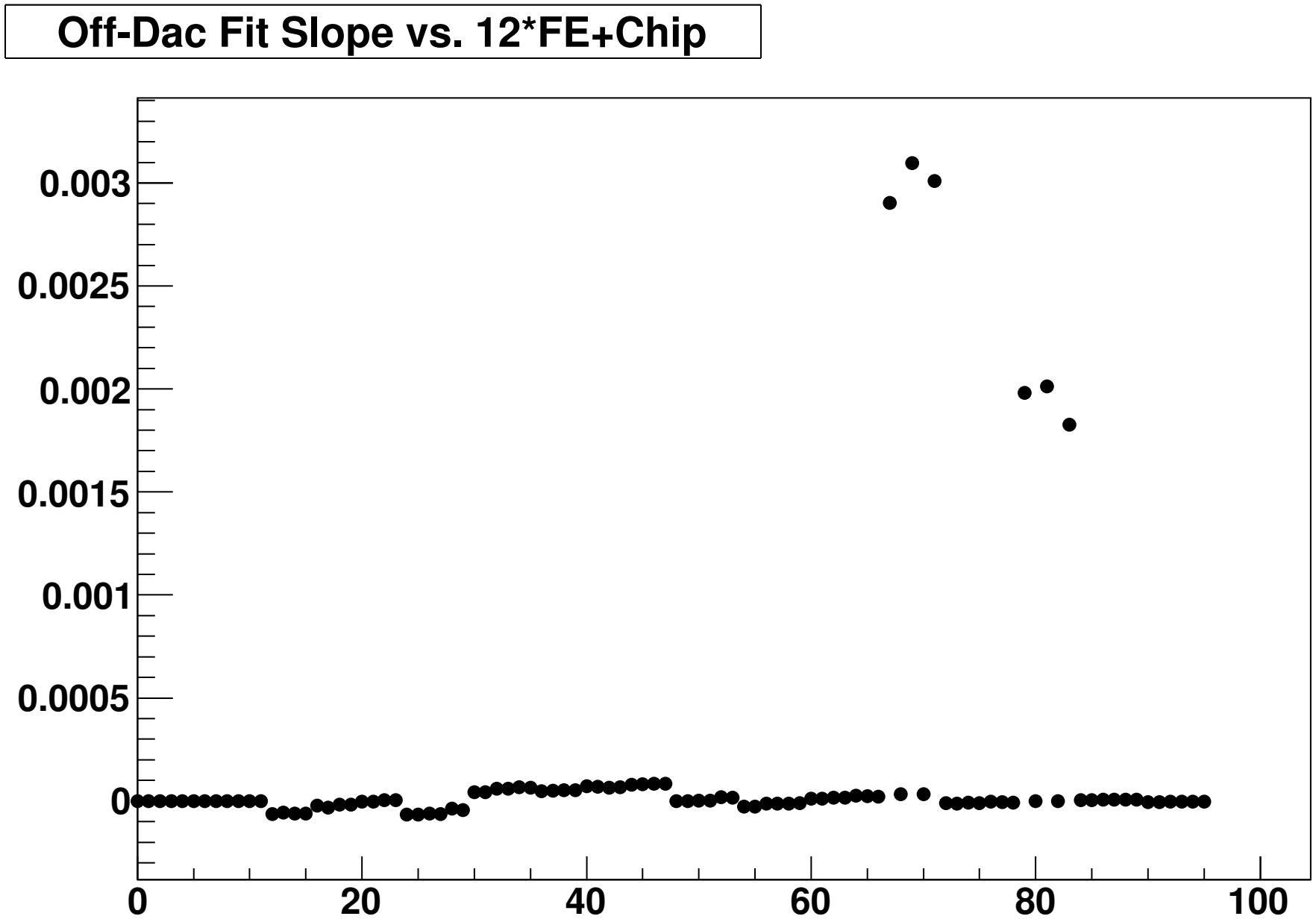

Disabled Dacs, Rms vs. 12*FE+Chip
500
400
300
200
100
0
0
20
40
60
80
100

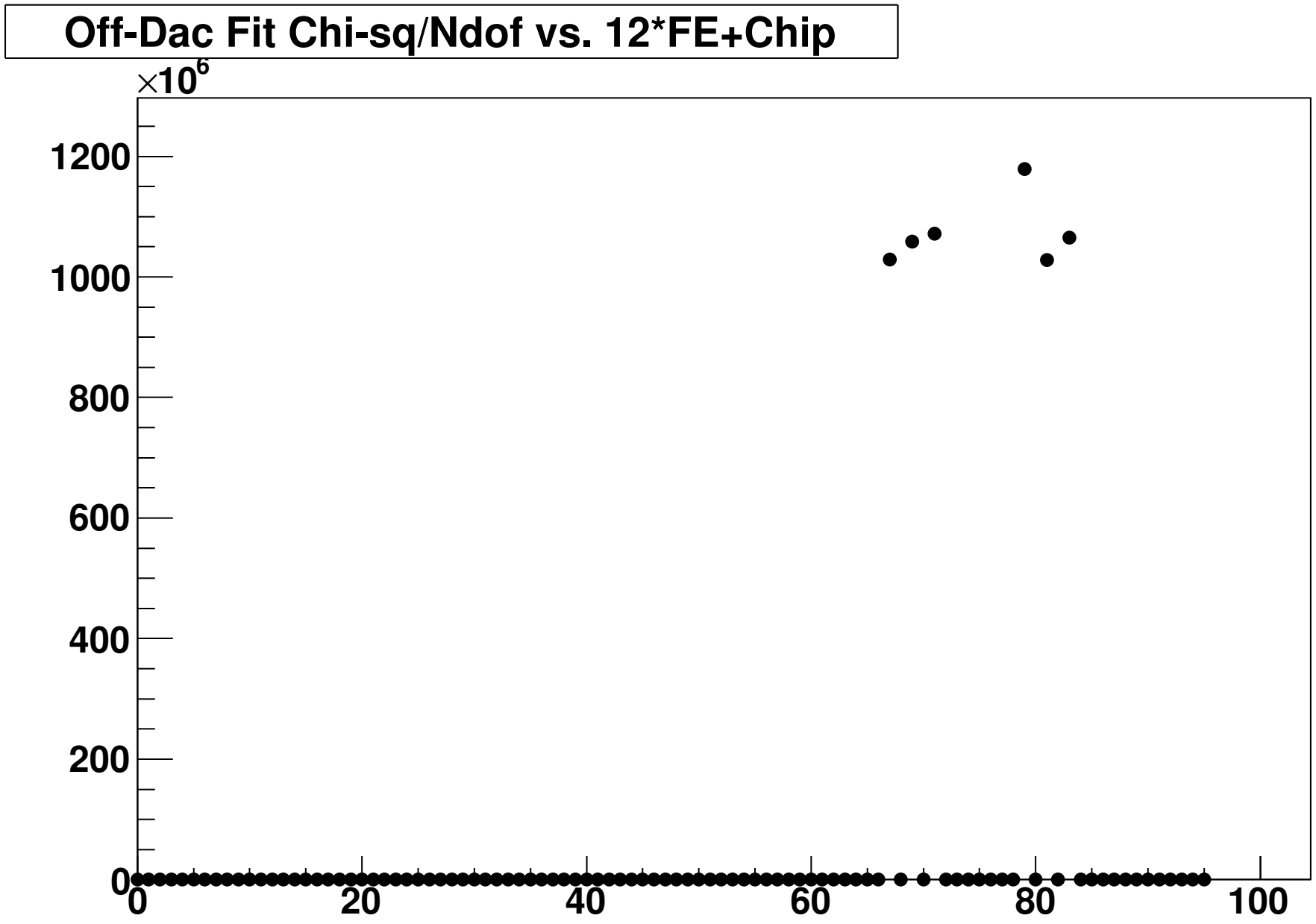

On-Dac Fit Interpolation vs. 12*FE+Chip
100
0
-100
-200
-300
-400
-500
0
20
40
60
80
100

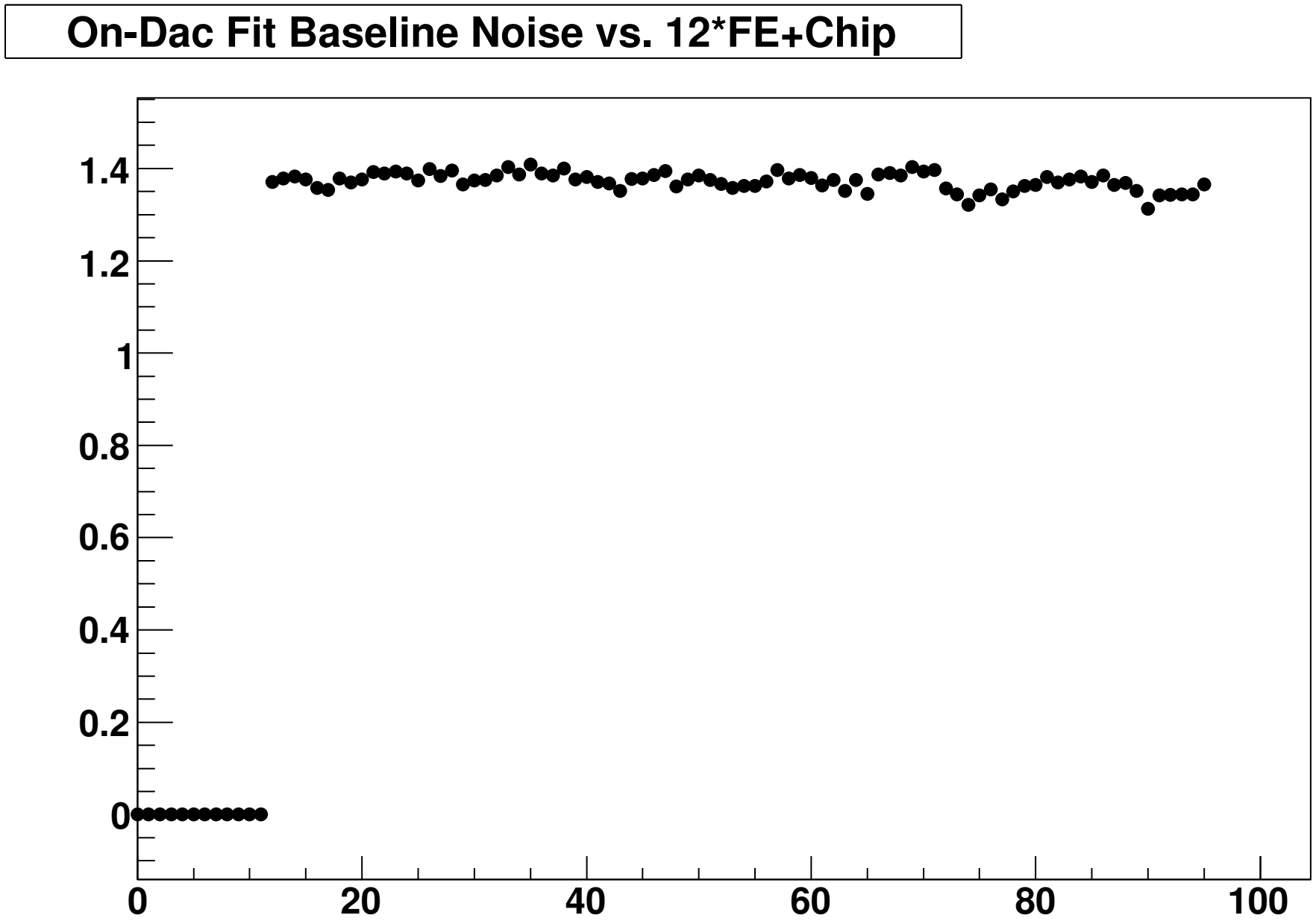

On-Dac Fit Slope vs. 12*FE+Chip
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100

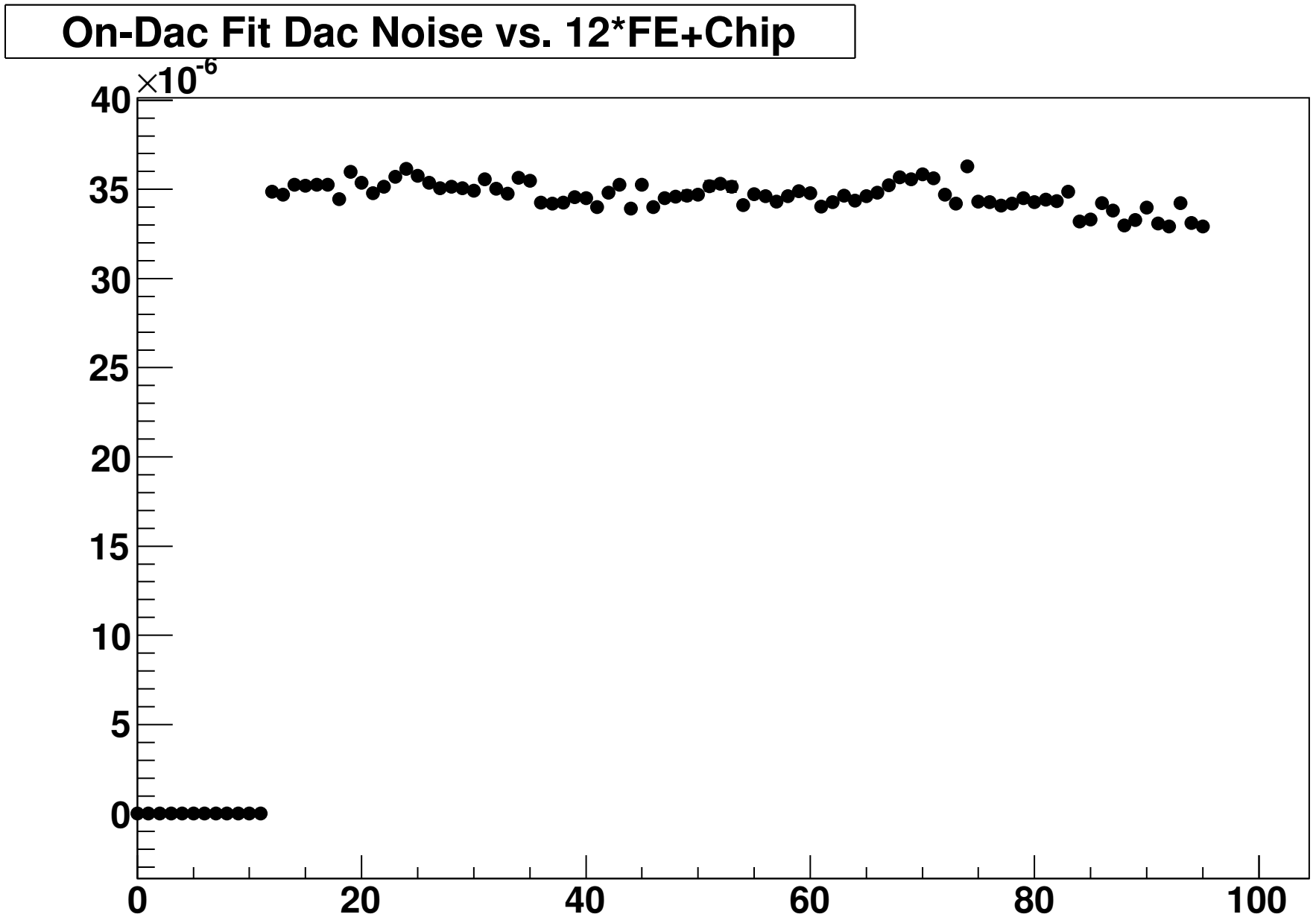

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
1000
800
600
400
200
0
0
20
40
60
80
100

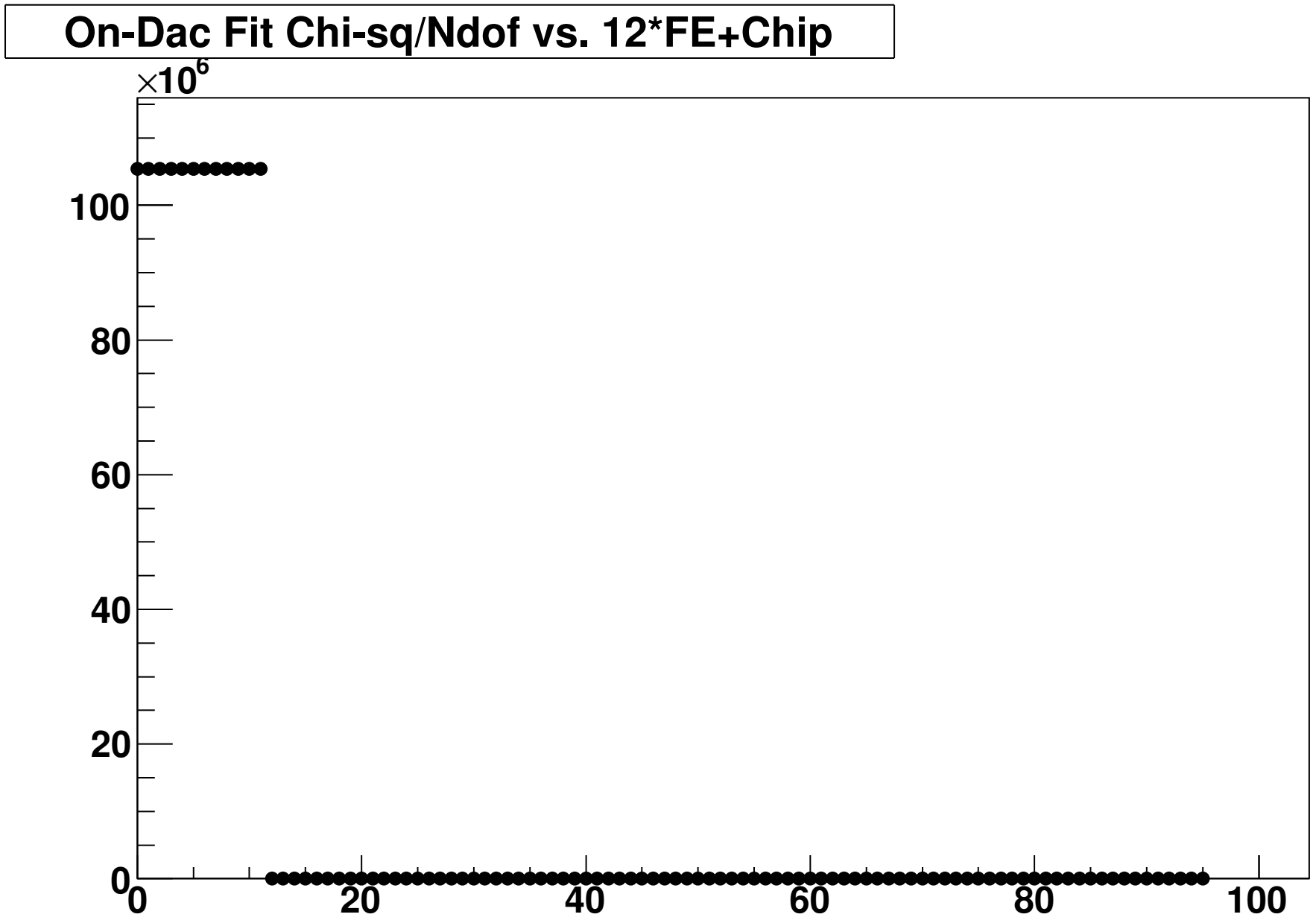

Off-Dac Fit Interpolation vs. 12*FE+Chip
200
0
-200
-400
-600
-800
-1000
0
20
40
60
80
100

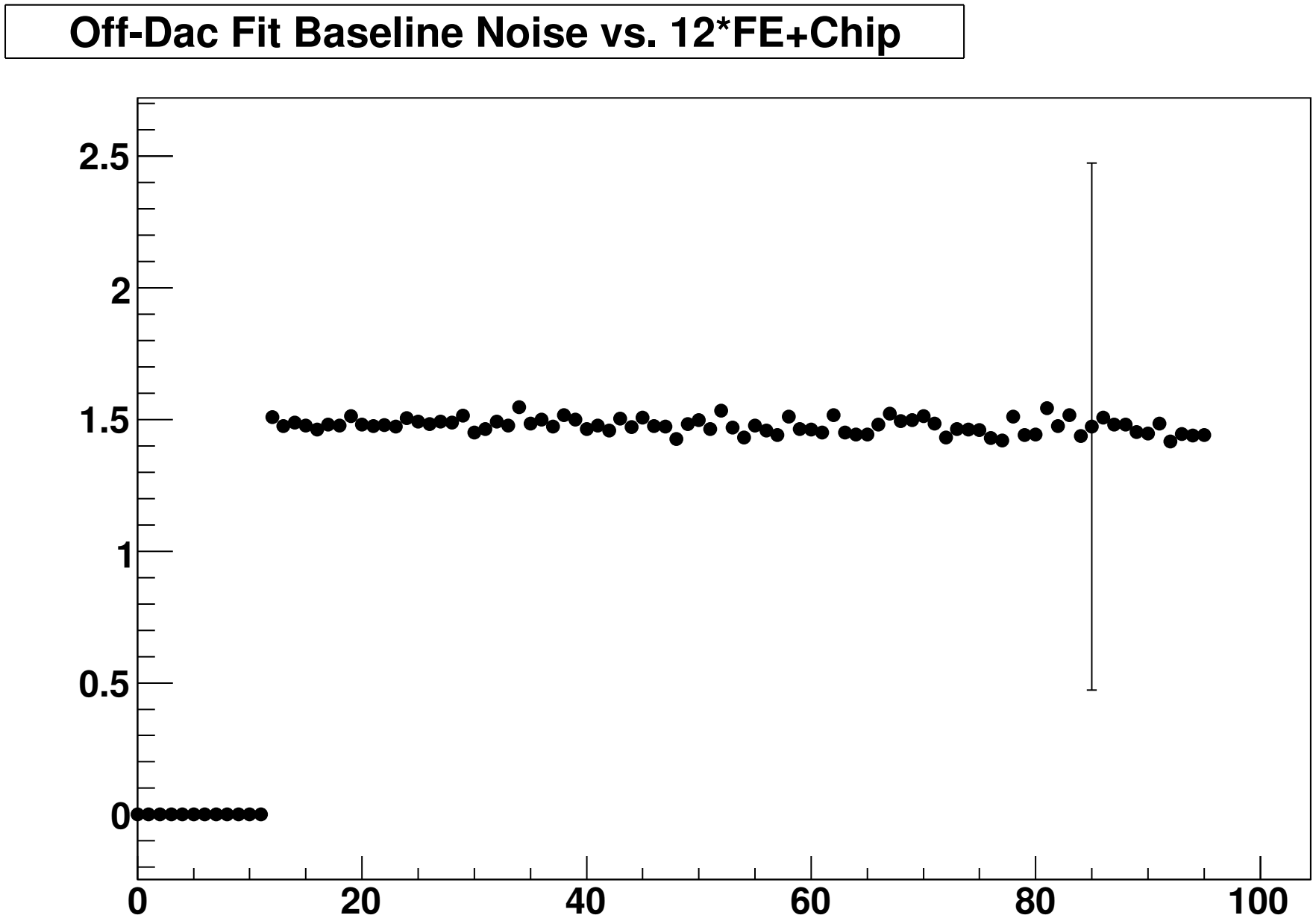

Off-Dac Fit Slope vs. 12*FE+Chip
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
0
20
40
60
80
100

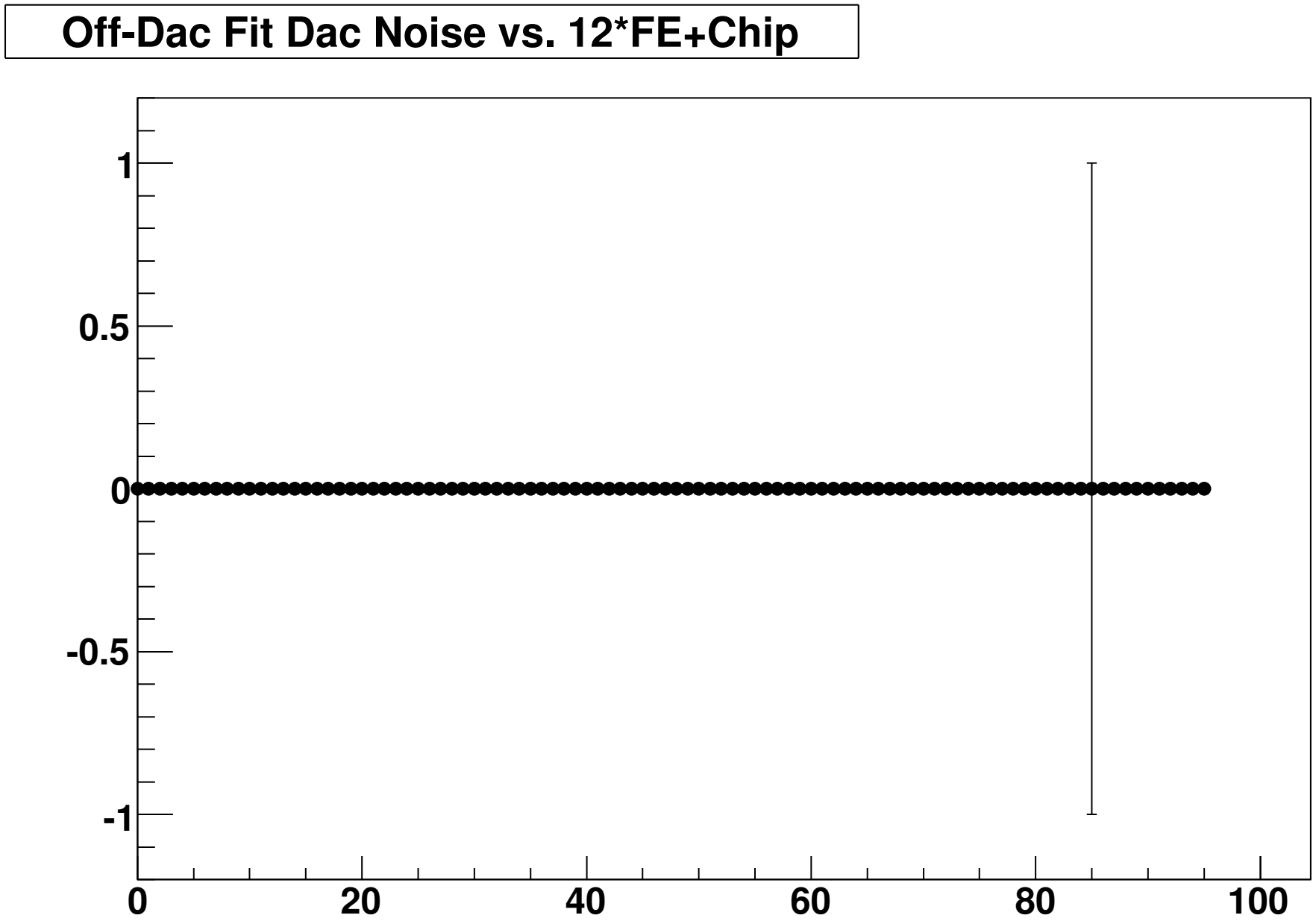

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
1200
1000
800
600
400
200
0
0
20
40
60
80
100

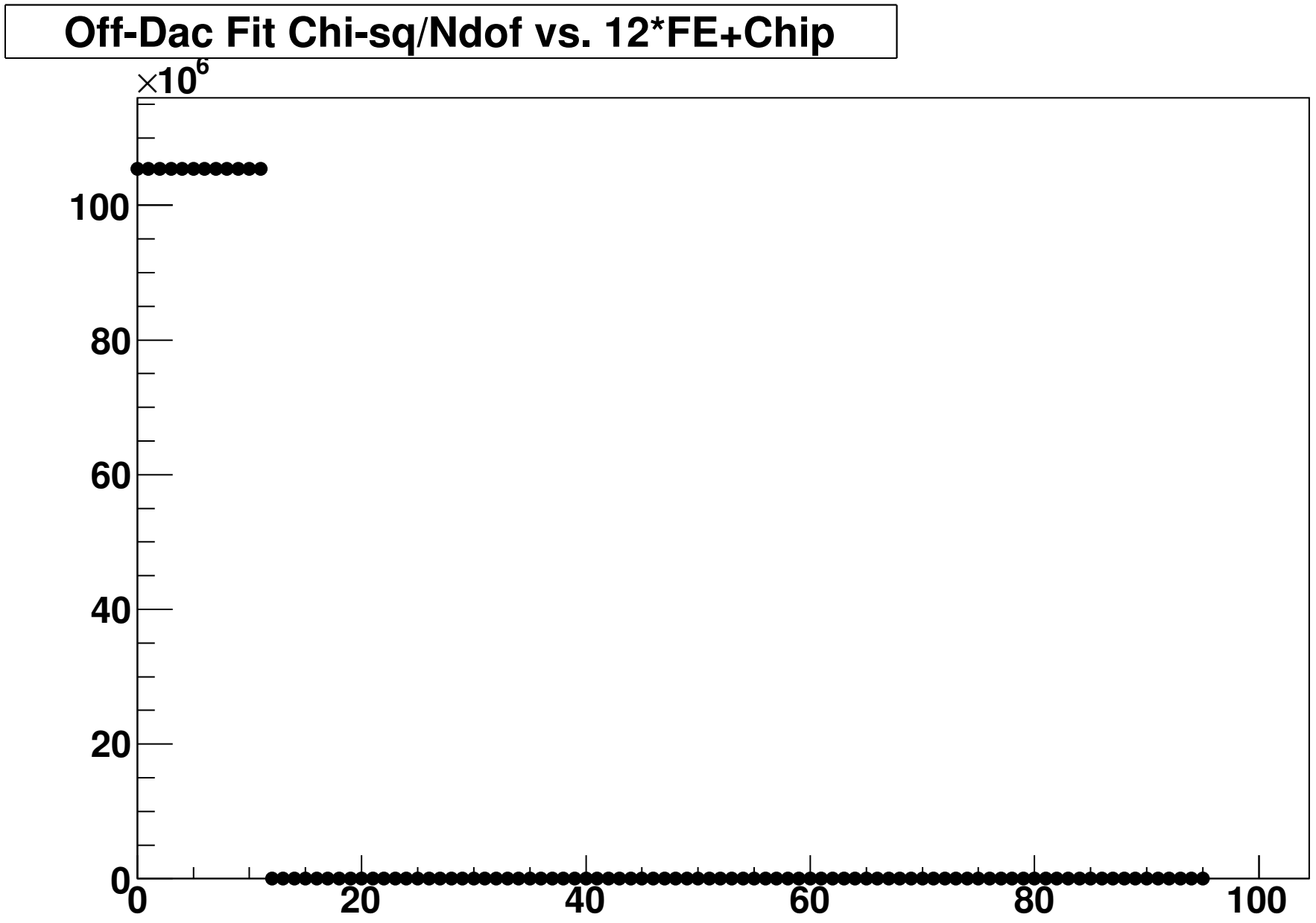

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

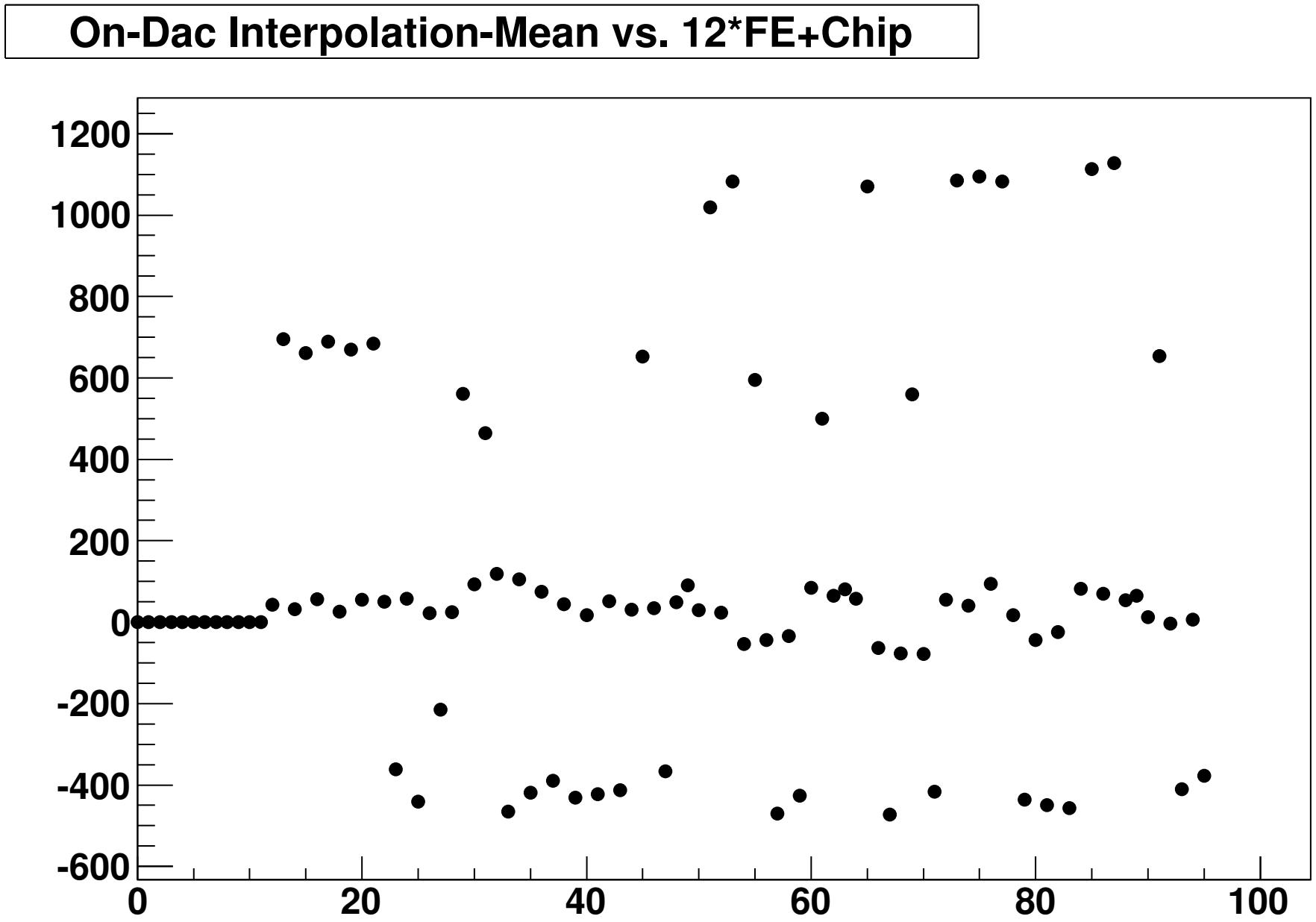

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100

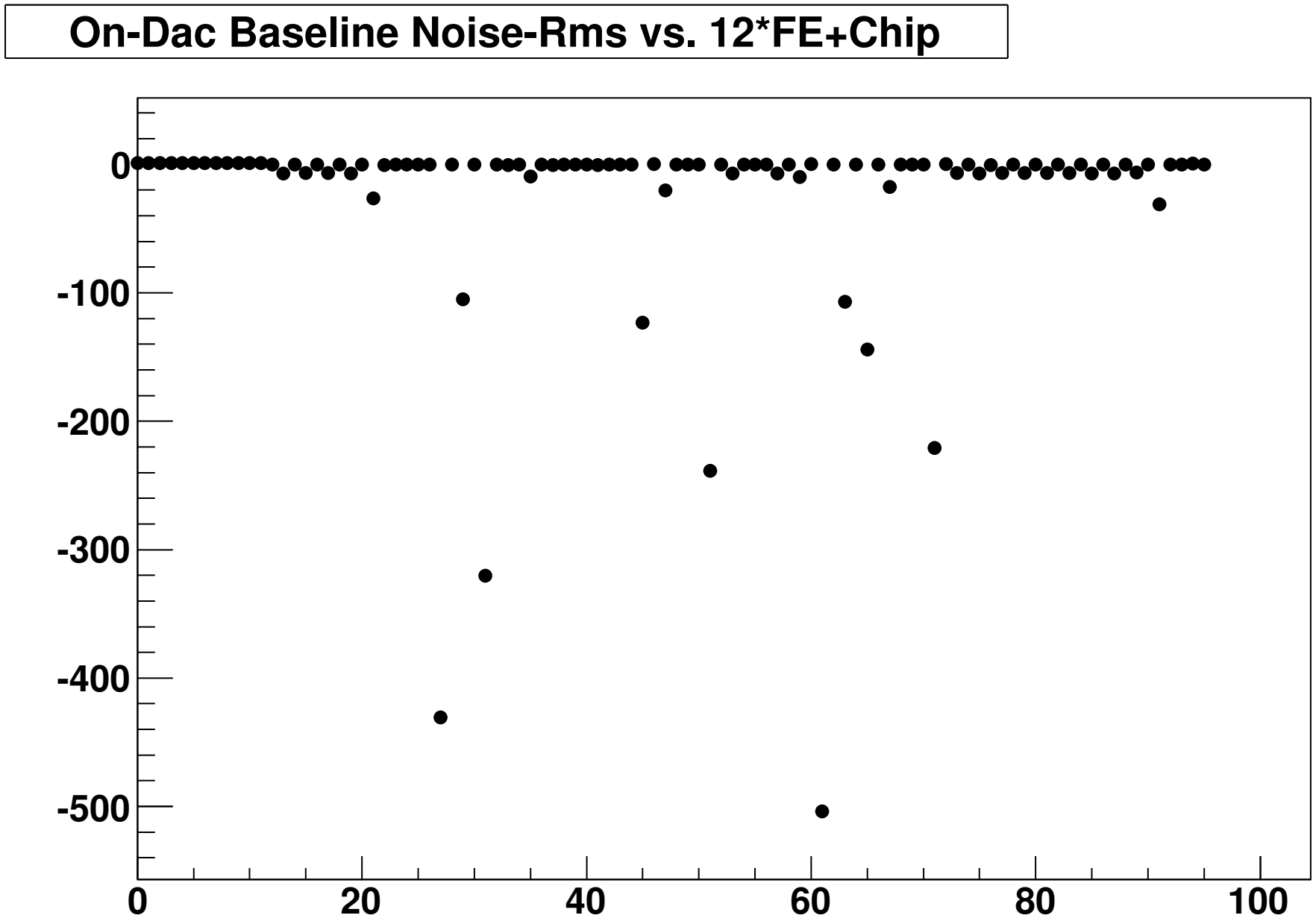

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
100
80
60
40
20
0
0
20
40
60
80
100

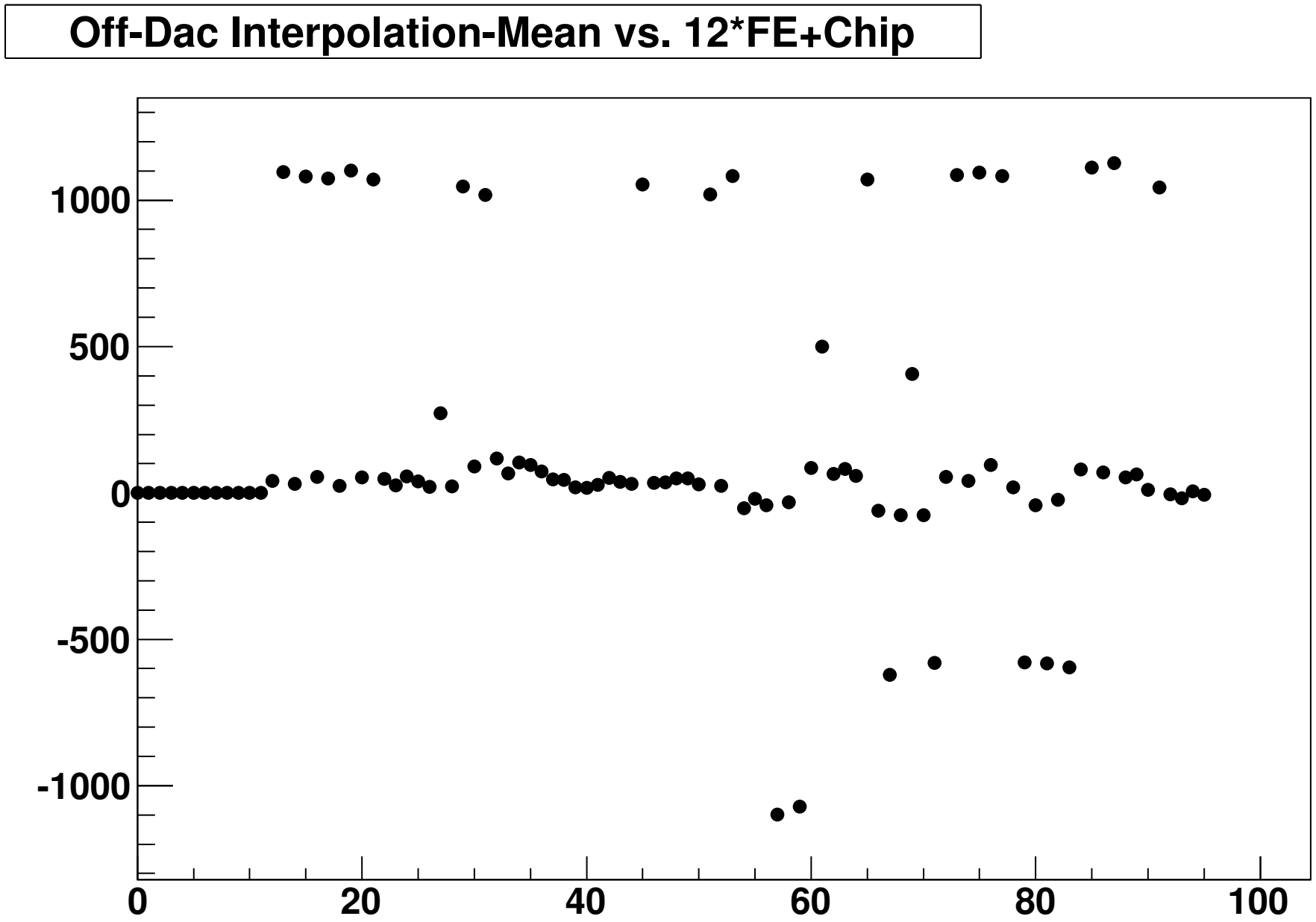

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100

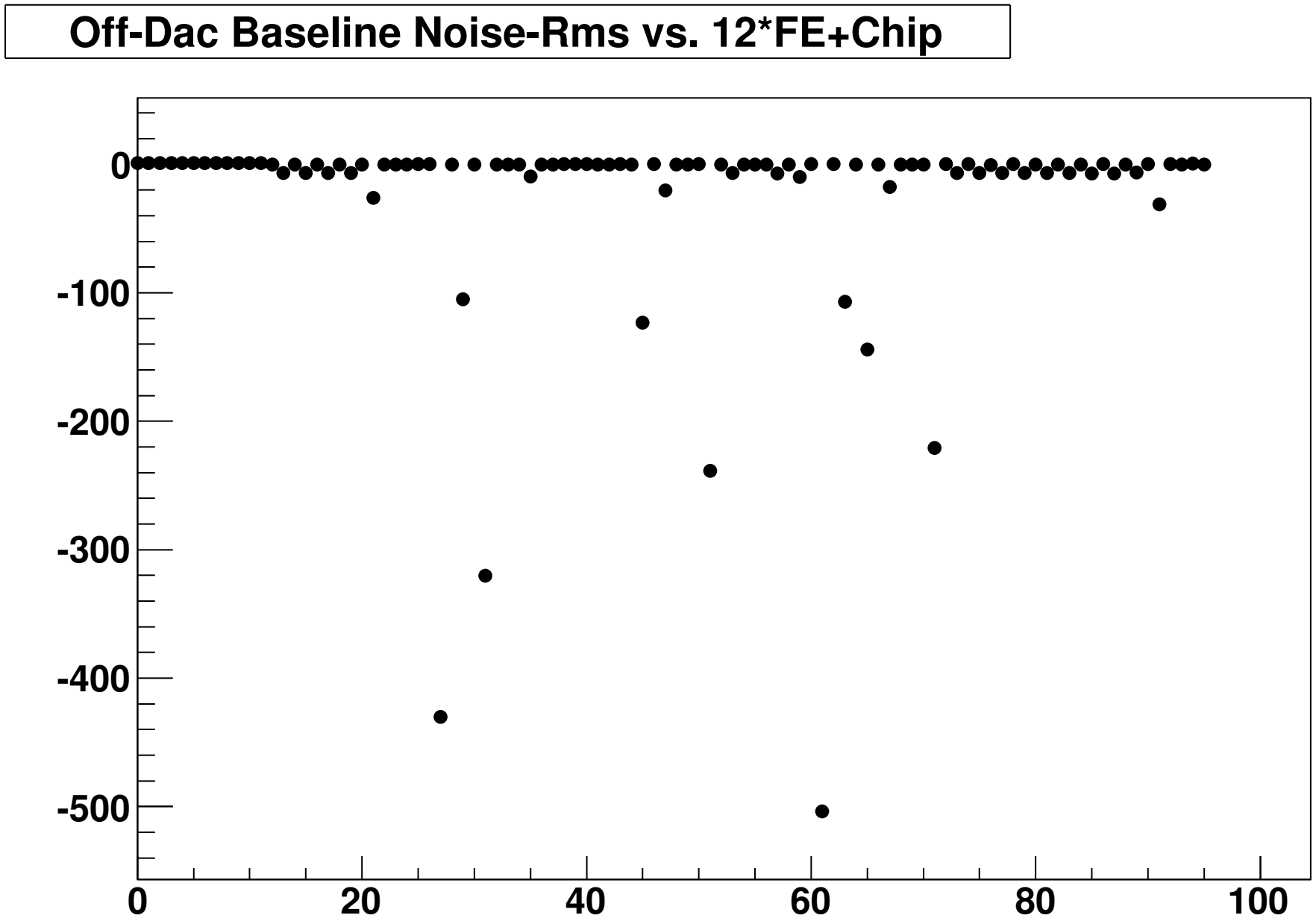

Off-Dac Fit Dac Noise vs. 12*FE+Chip
1
0.5
0
-0.5
-1
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
1200
1000
800
600
400
200
0
-200
-400
-600
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-100
-200
-300
-400
-500
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
1000
500
0
-500
-1000
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-100
-200
-300
-400
-500
0
20
40
60
80
100