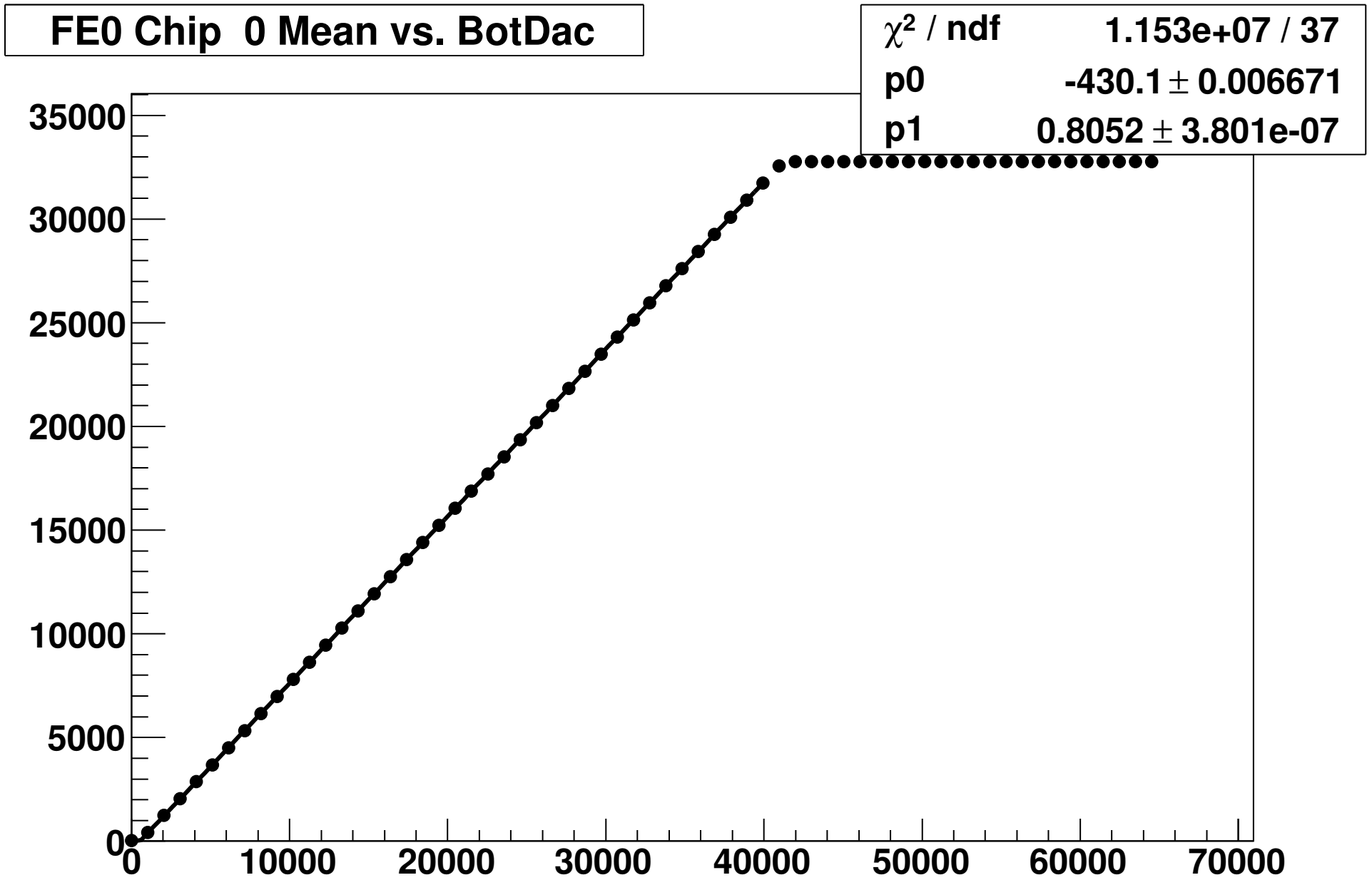
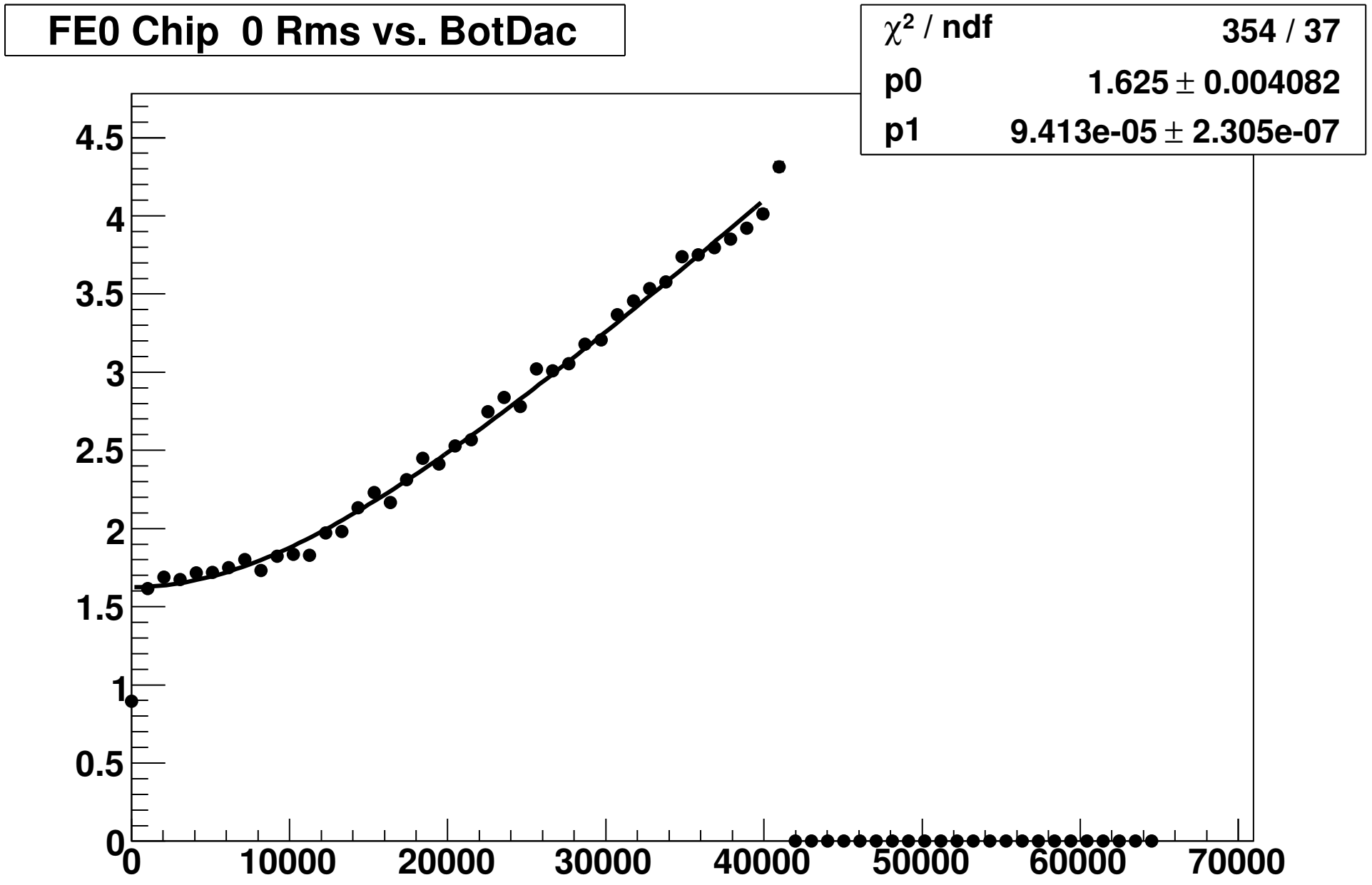
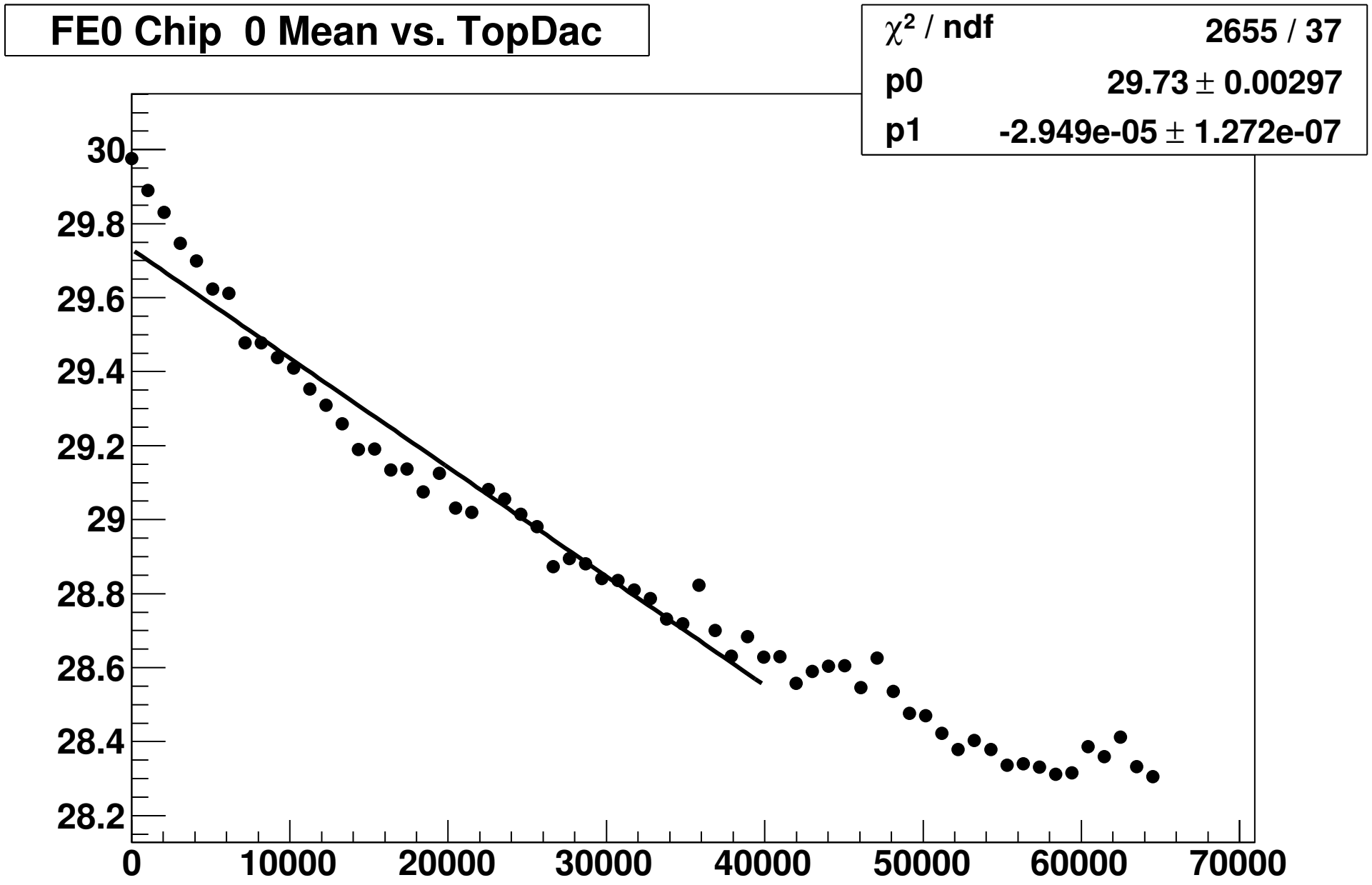
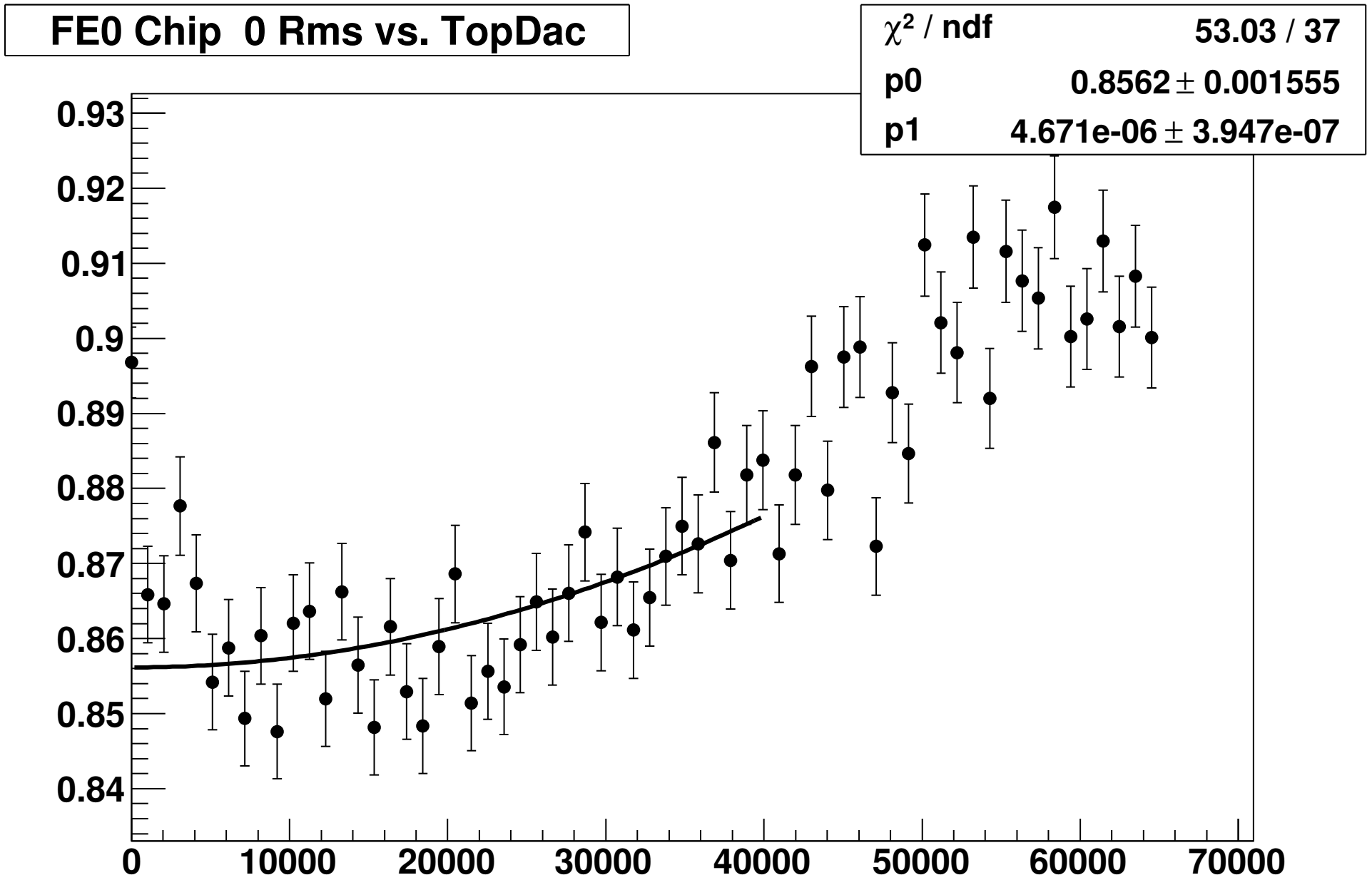
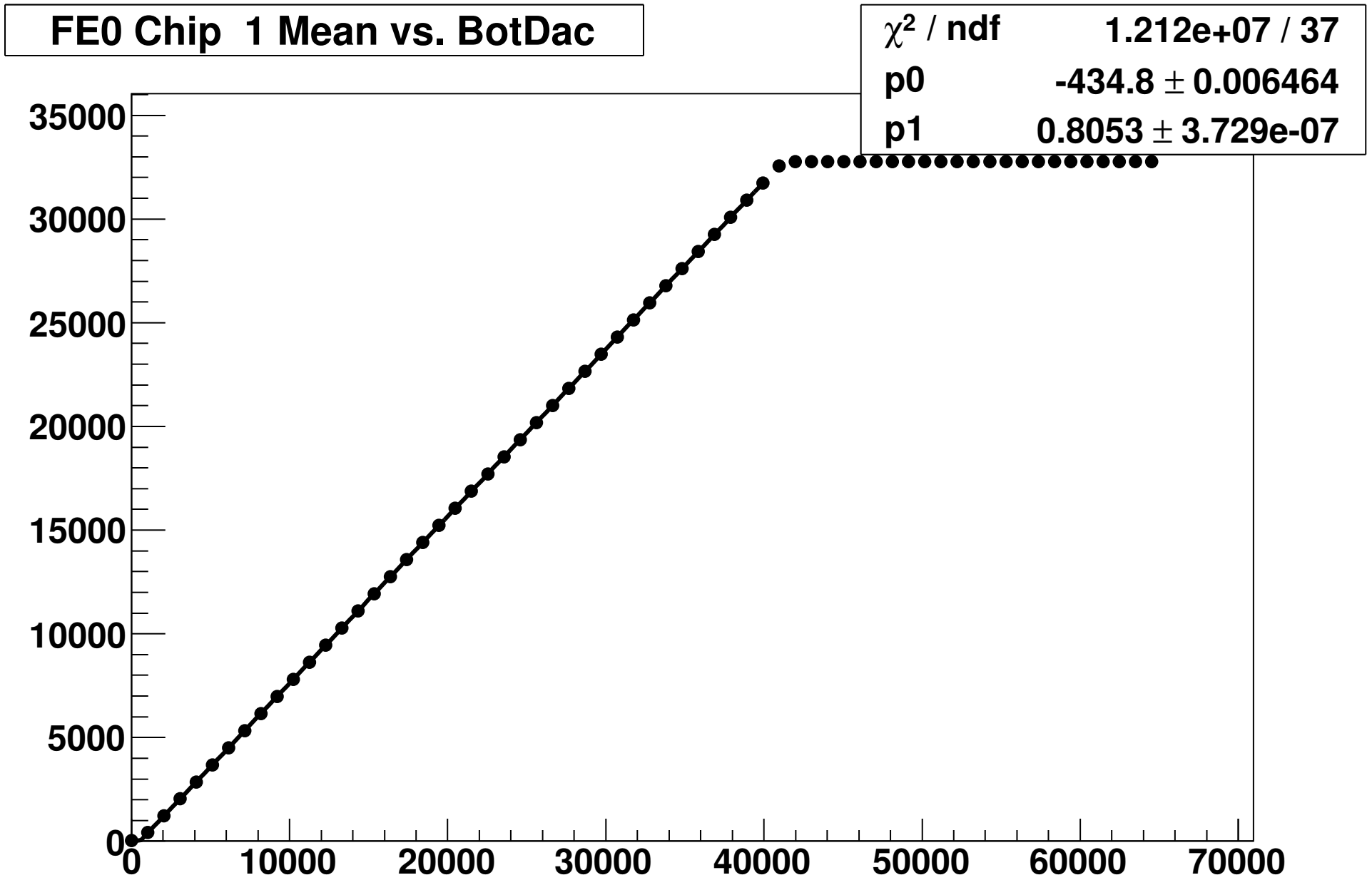
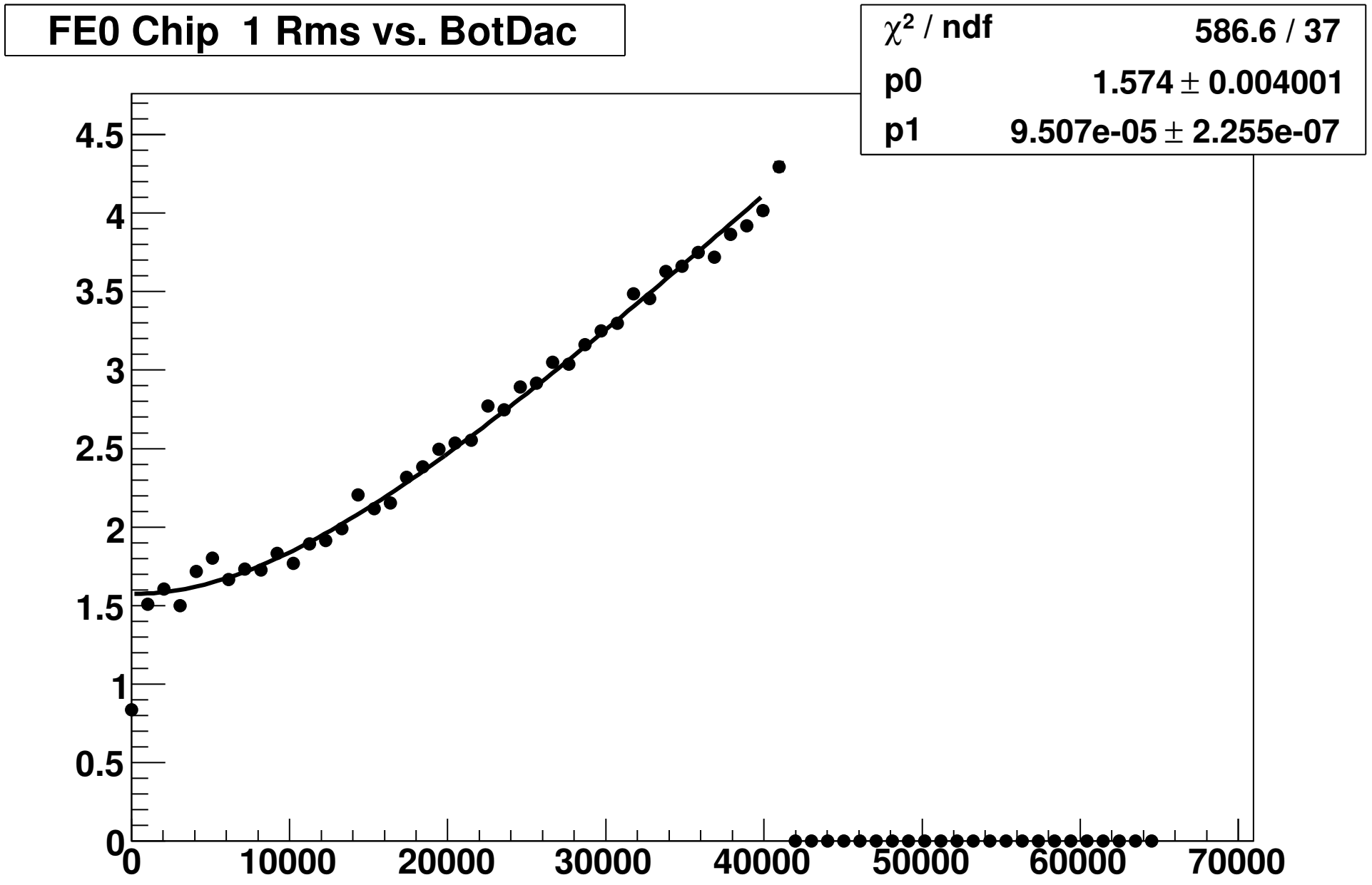

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.153e+07 / 37
p0 -430.1 ± 0.006671
p1 0.8052 ± 3.801e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

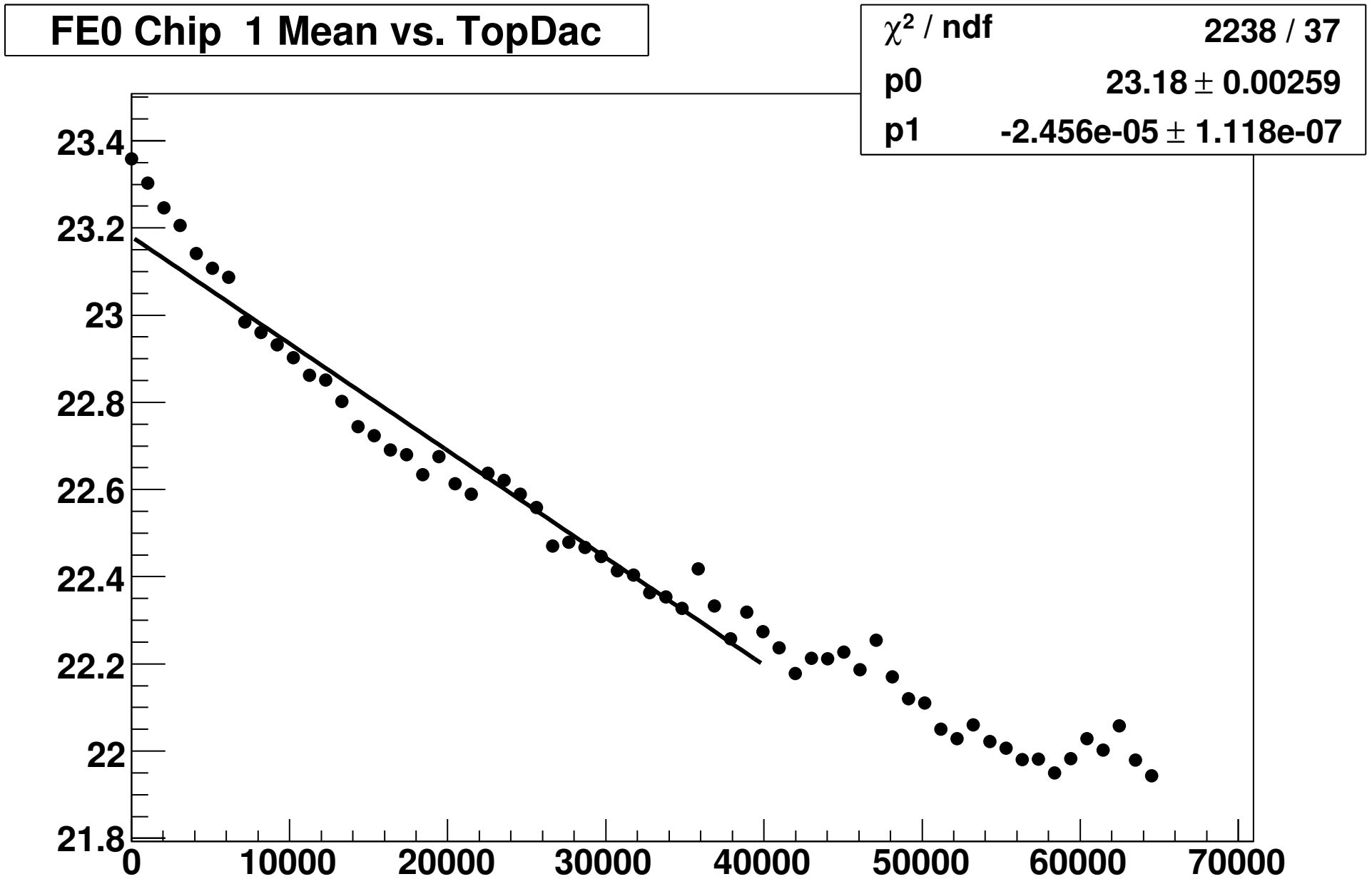

FE0 Chip 0 Rms vs. BotDac
χ² / ndf 354 / 37
p0 1.625 ± 0.004082
p1 9.413e-05 ± 2.305e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

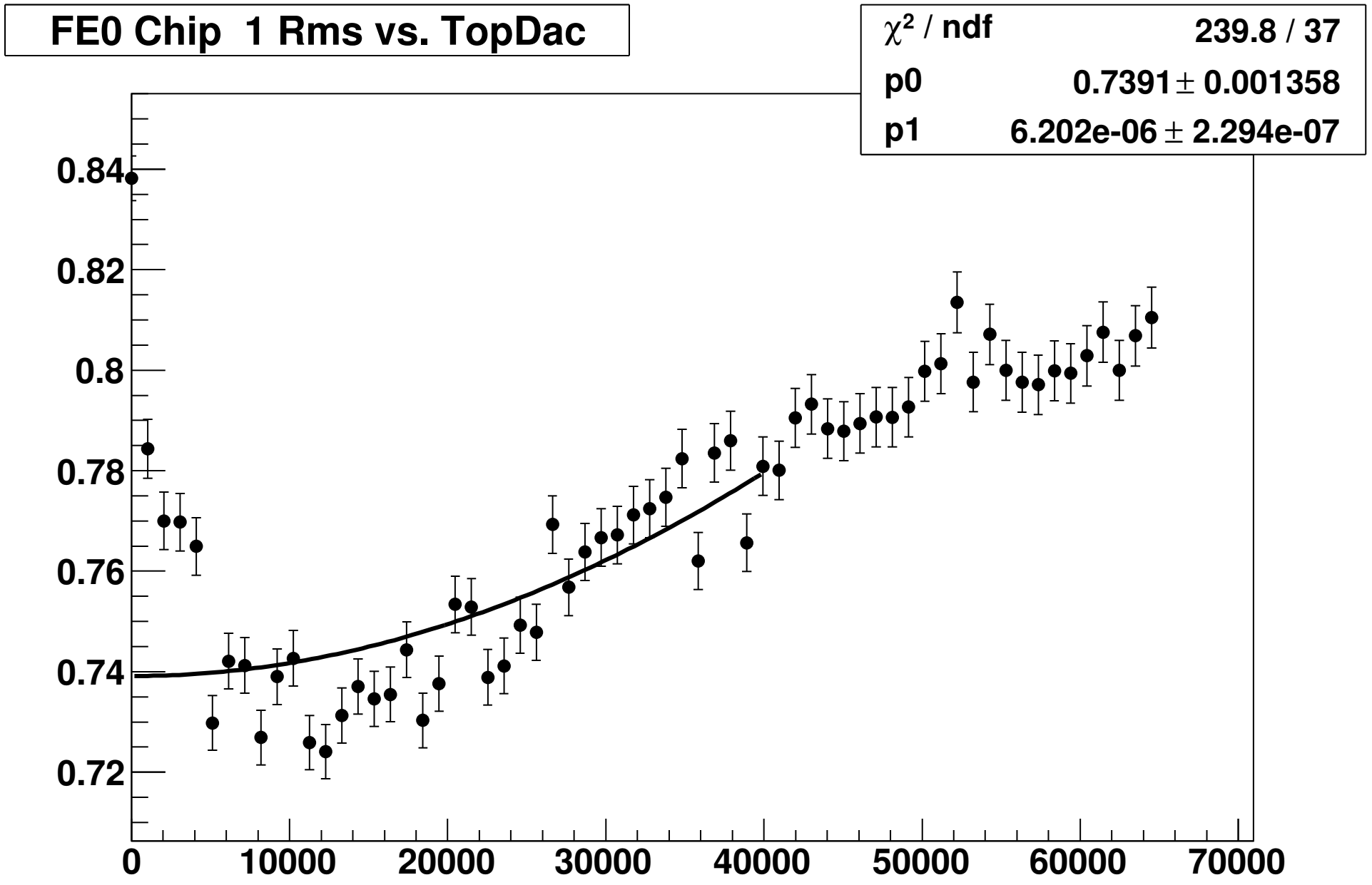

FE0 Chip 0 Mean vs. TopDac
χ² / ndf 2655 / 37
p0 29.73 ± 0.00297
p1 -2.949e-05 ± 1.272e-07
30
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
28.2
0
10000
20000
30000
40000
50000
60000
70000

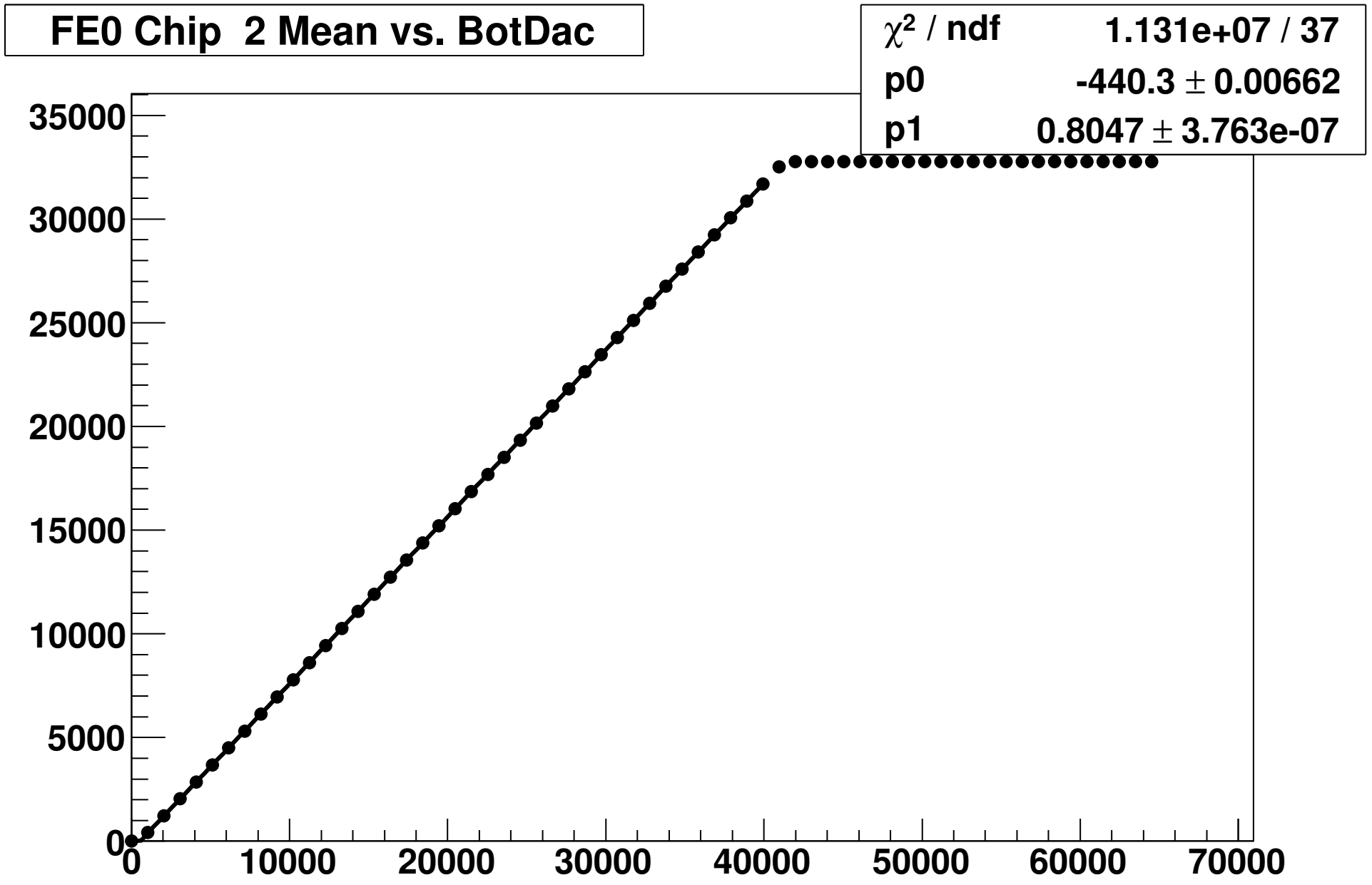

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 53.03 / 37
p0 0.8562 ± 0.001555
p1 4.671e-06 ± 3.947e-07
0.93
0.92
0.91
0.9
0.89
0.88
0.87
0.86
0.85
0.84
0
10000
20000
30000
40000
50000
60000
70000

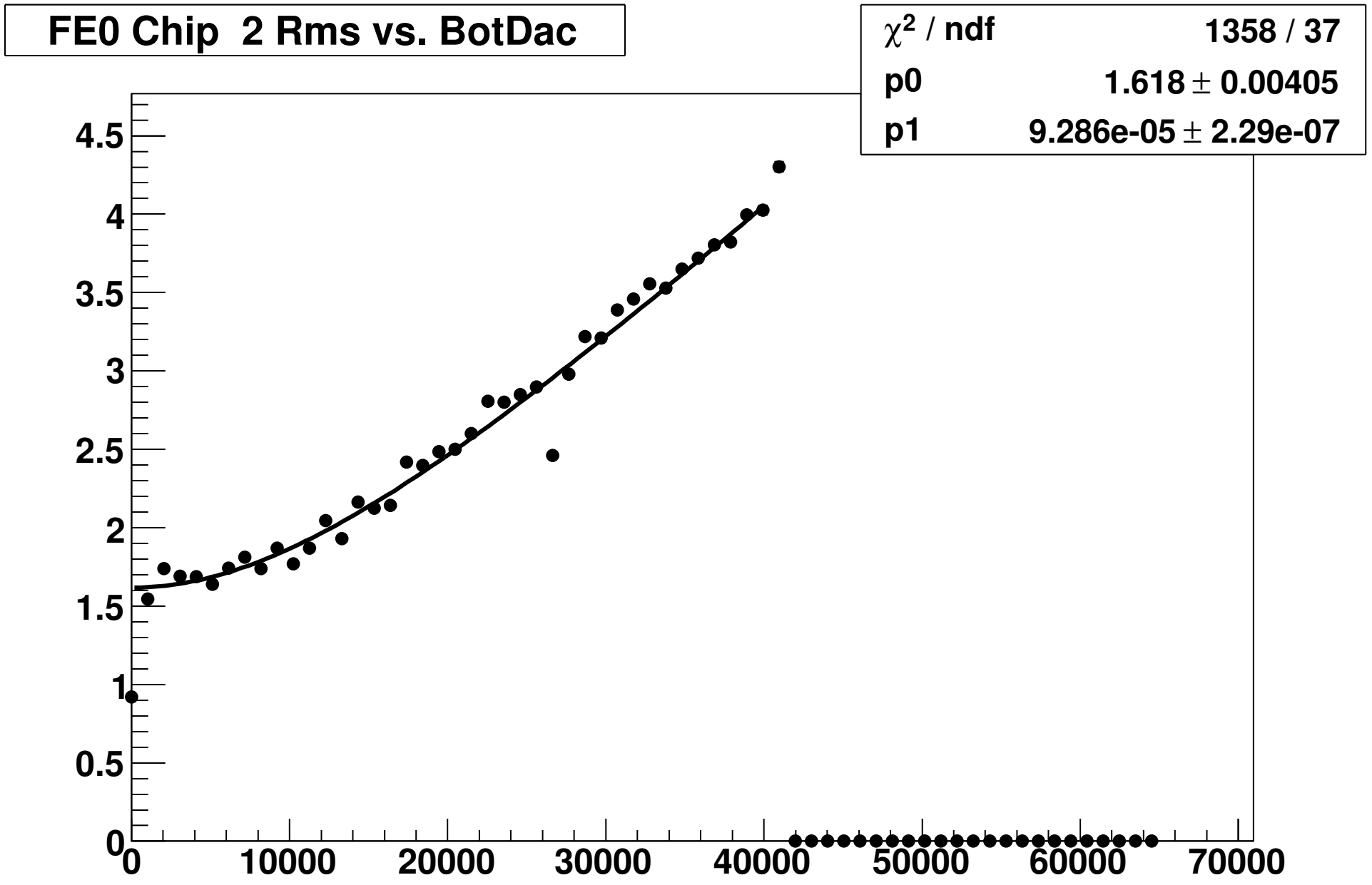

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.212e+07 / 37
p0 -434.8 ± 0.006464
p1 0.8053 ± 3.729e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

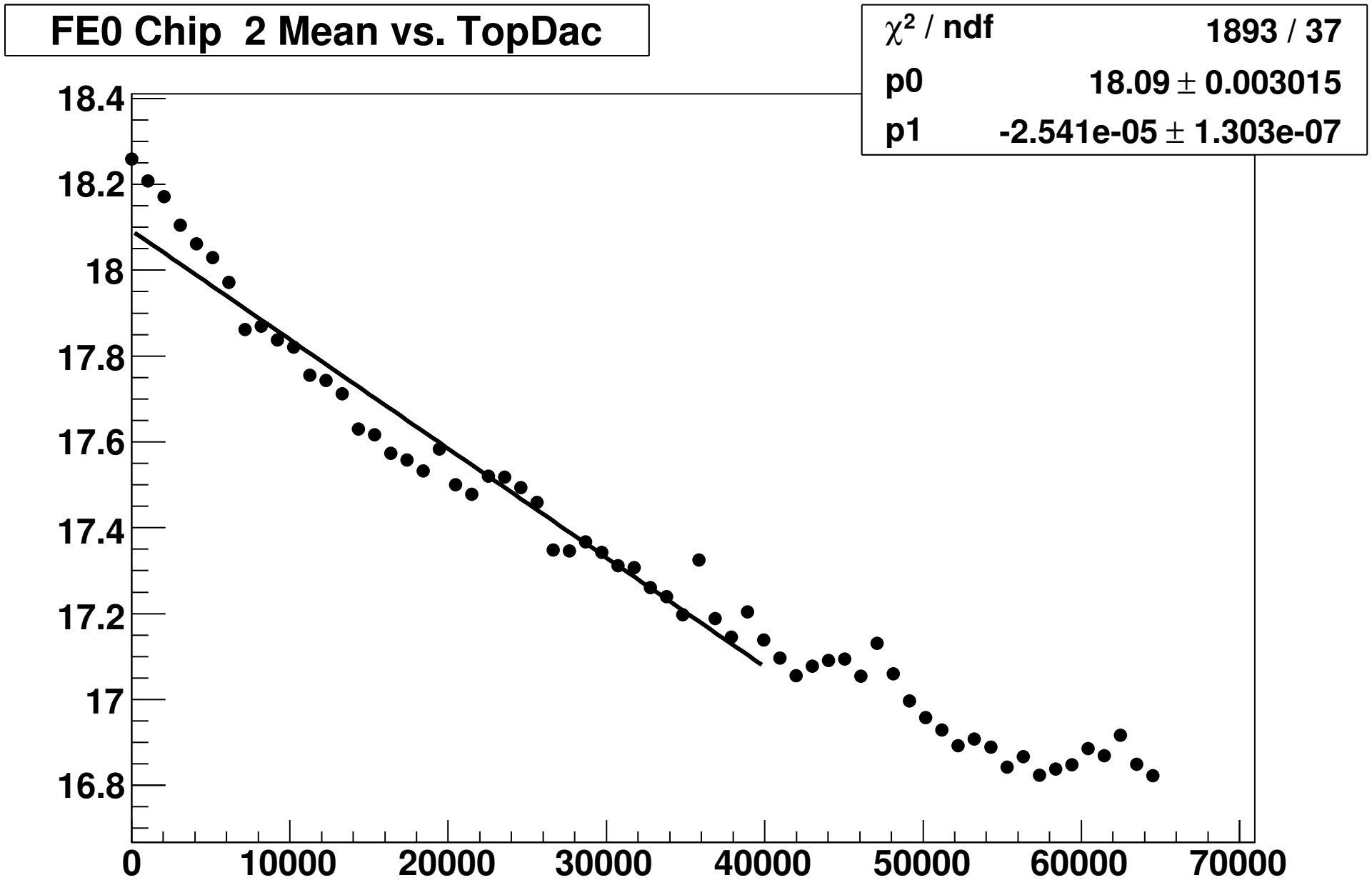

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 586.6 / 37
p0 1.574 ± 0.004001
p1 9.507e-05 ± 2.255e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

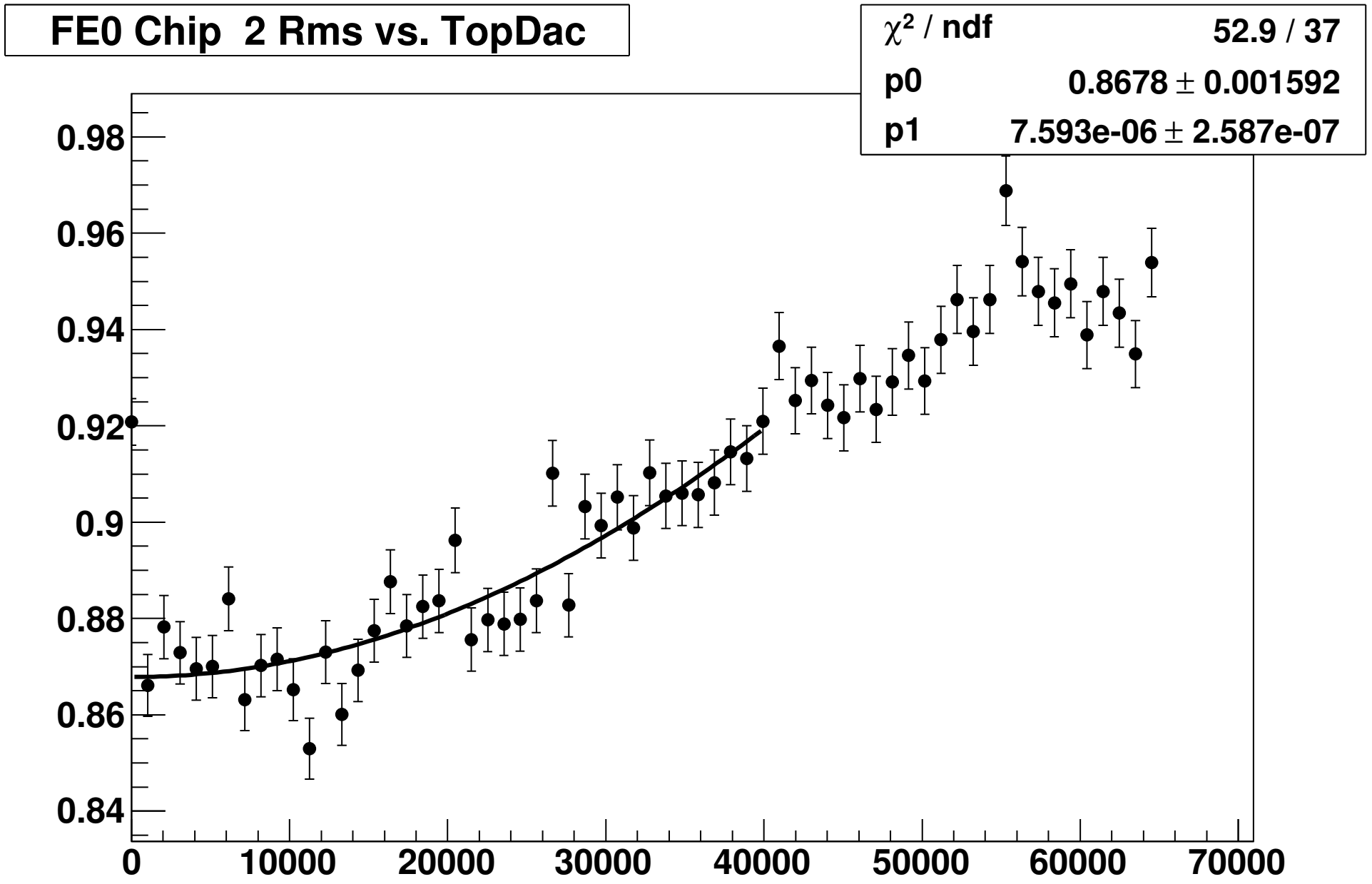

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 2238 / 37
p0 23.18 ± 0.00259
p1 -2.456e-05 ± 1.118e-07
23.4
23.2
23
22.8
22.6
22.4
22.2
22
21.8
0
10000
20000
30000
40000
50000
60000
70000

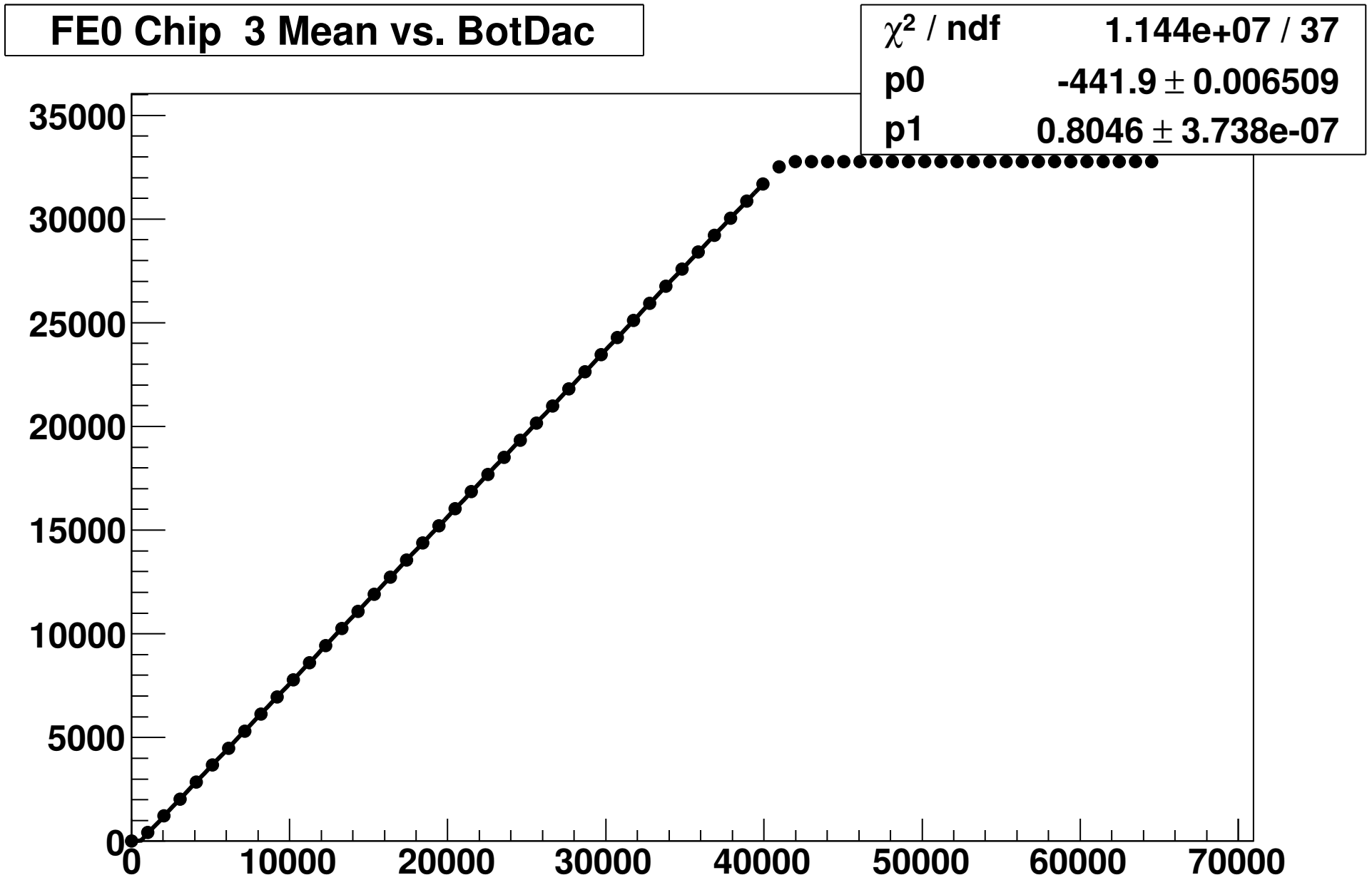

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 239.8 / 37
p0 0.7391 ± 0.001358
p1 6.202e-06 ± 2.294e-07
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0
10000
20000
30000
40000
50000
60000
70000

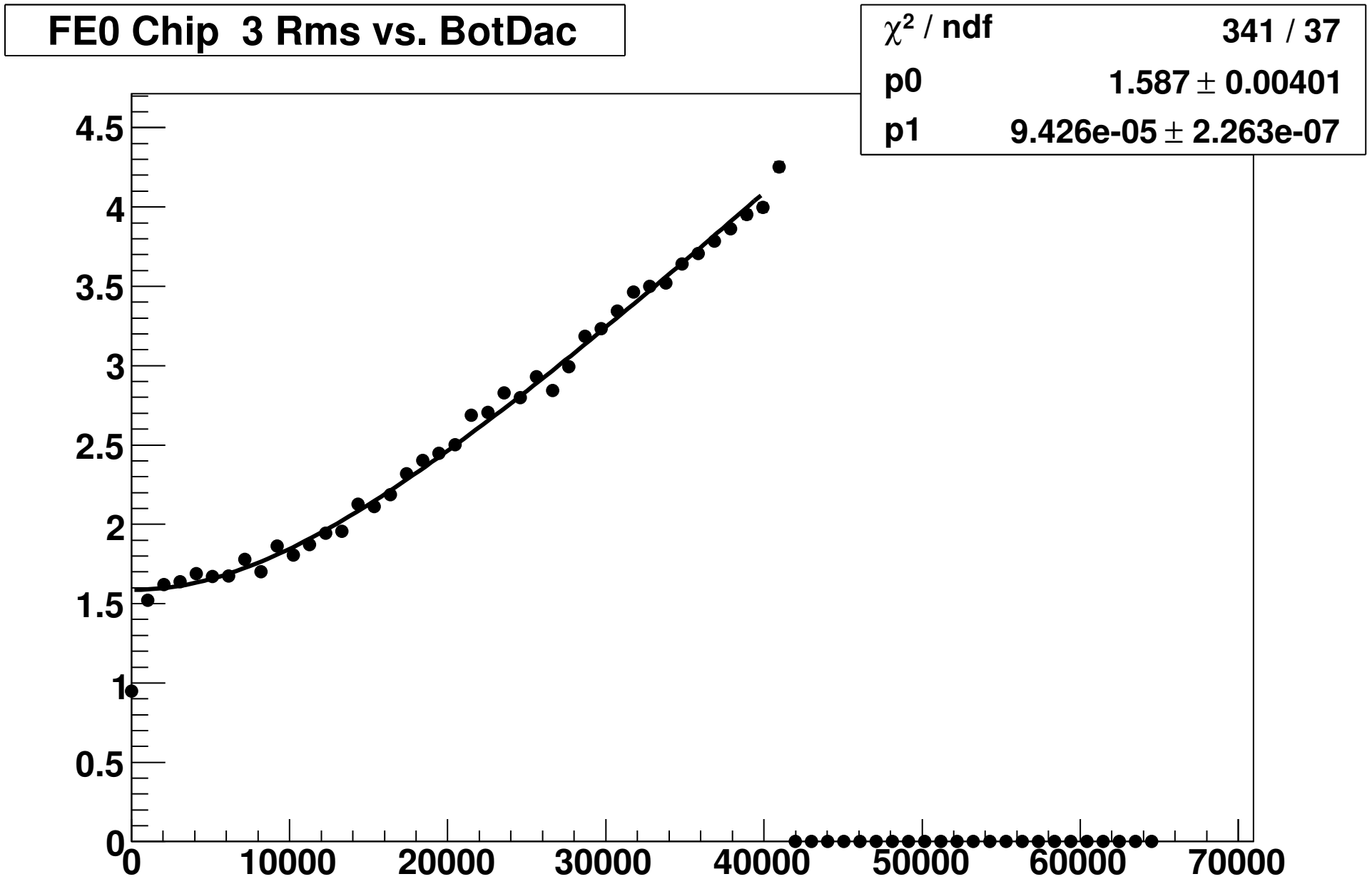

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.131e+07 / 37
p0 -440.3 ± 0.00662
p1 0.8047 ± 3.763e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

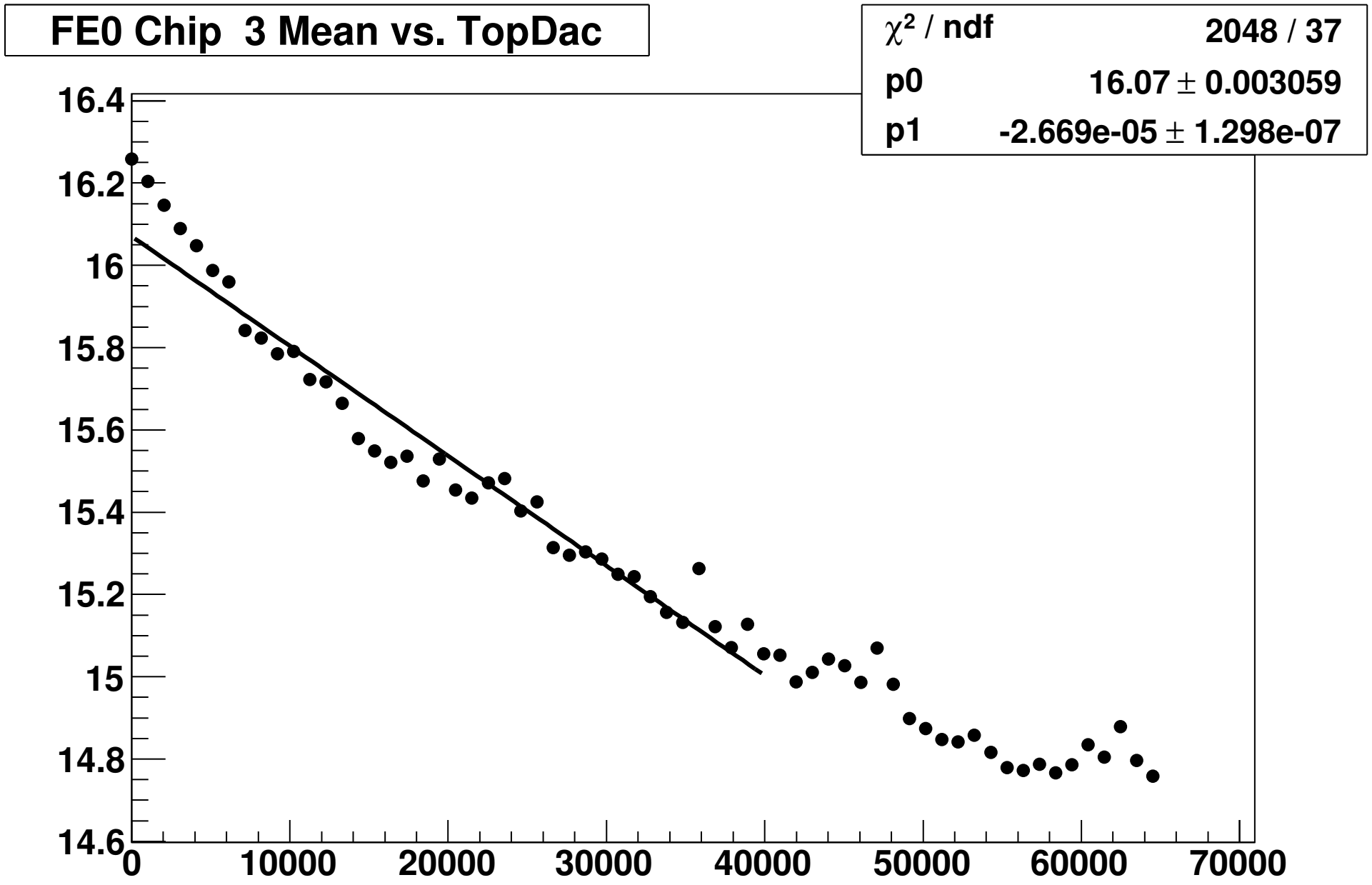

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1358 / 37
p0 1.618 ± 0.00405
p1 9.286e-05 ± 2.29e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

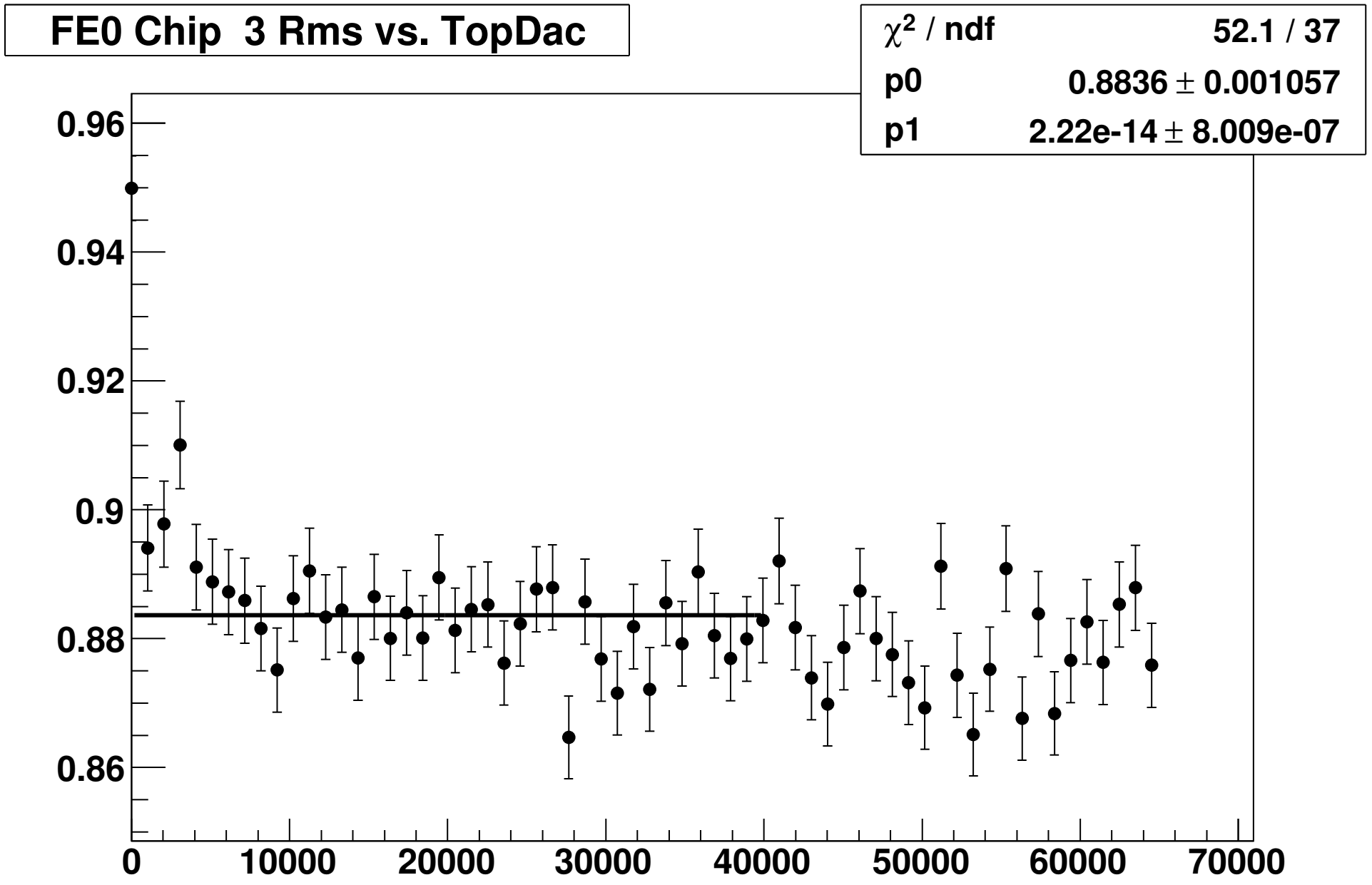

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 1893 / 37
p0 18.09 ± 0.003015
p1 -2.541e-05 ± 1.303e-07
18.4
18.2
18
17.8
17.6
17.4
17.2
17
16.8
0
10000
20000
30000
40000
50000
60000
70000

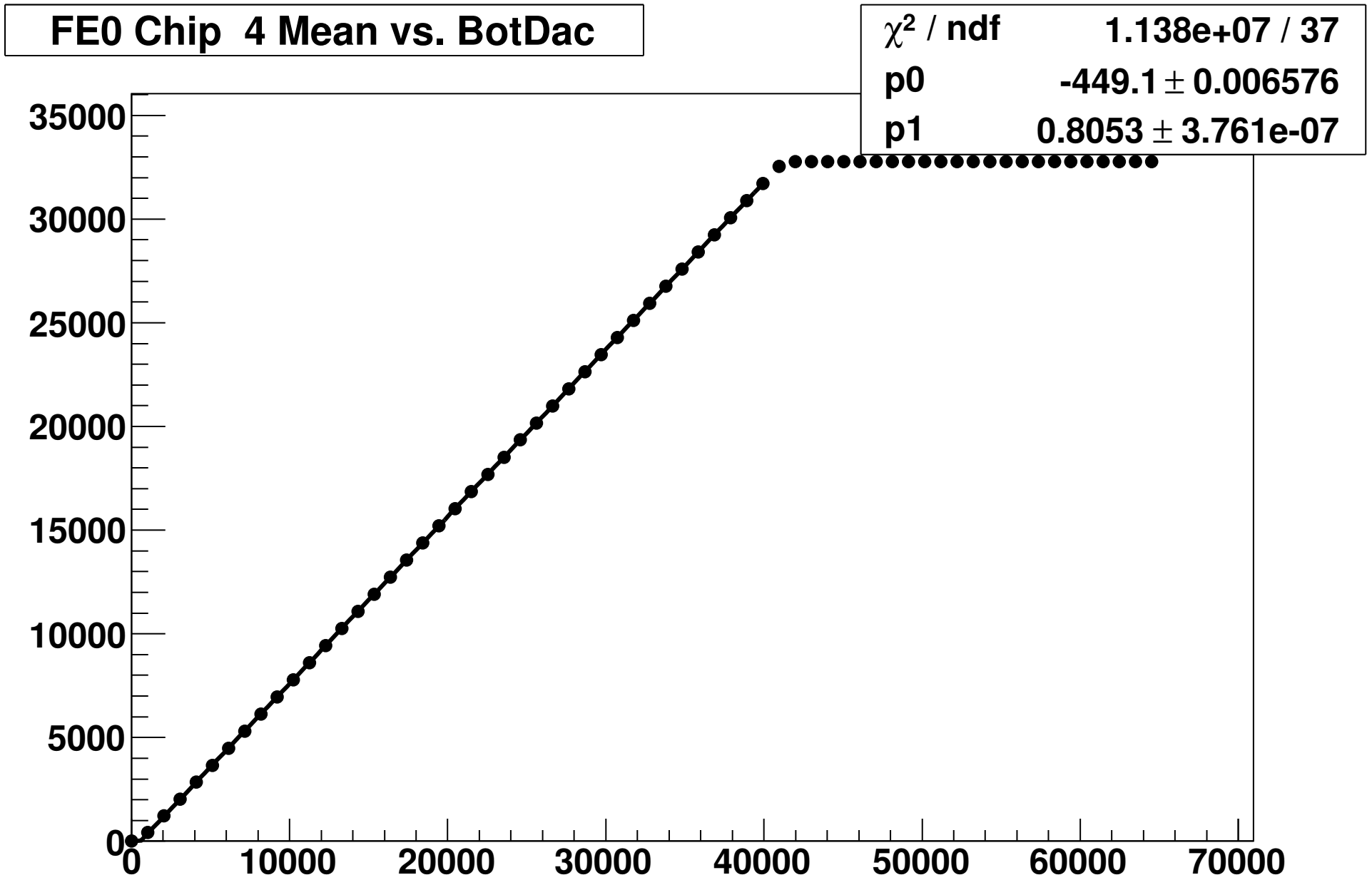

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 52.9 / 37
p0 0.8678 ± 0.001592
p1 7.593e-06 ± 2.587e-07
0.98
0.96
0.94
0.92
0.9
0.88
0.86
0.84
0
10000
20000
30000
40000
50000
60000
70000

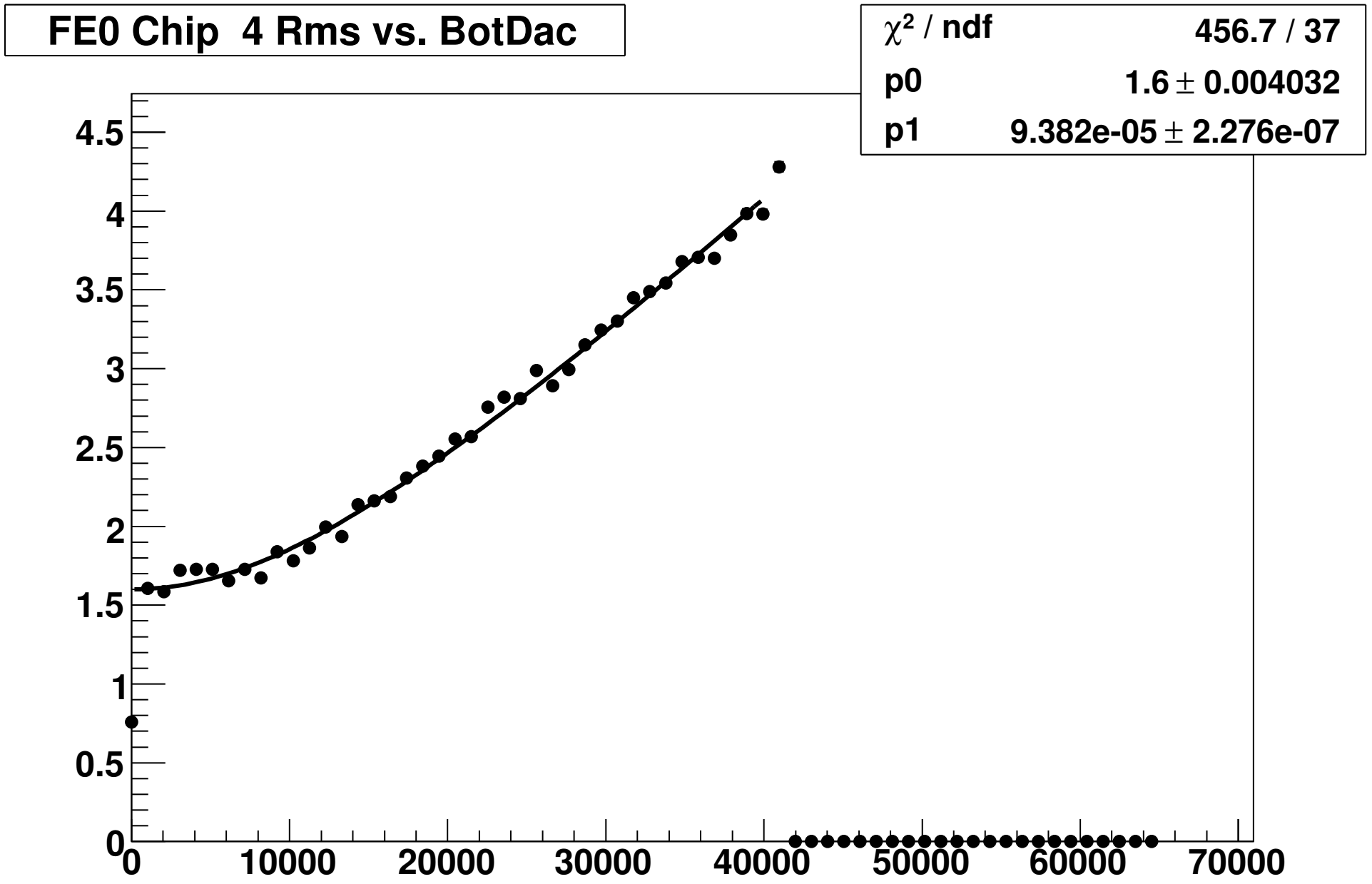

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.144e+07 / 37
p0 -441.9 ± 0.006509
p1 0.8046 ± 3.738e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

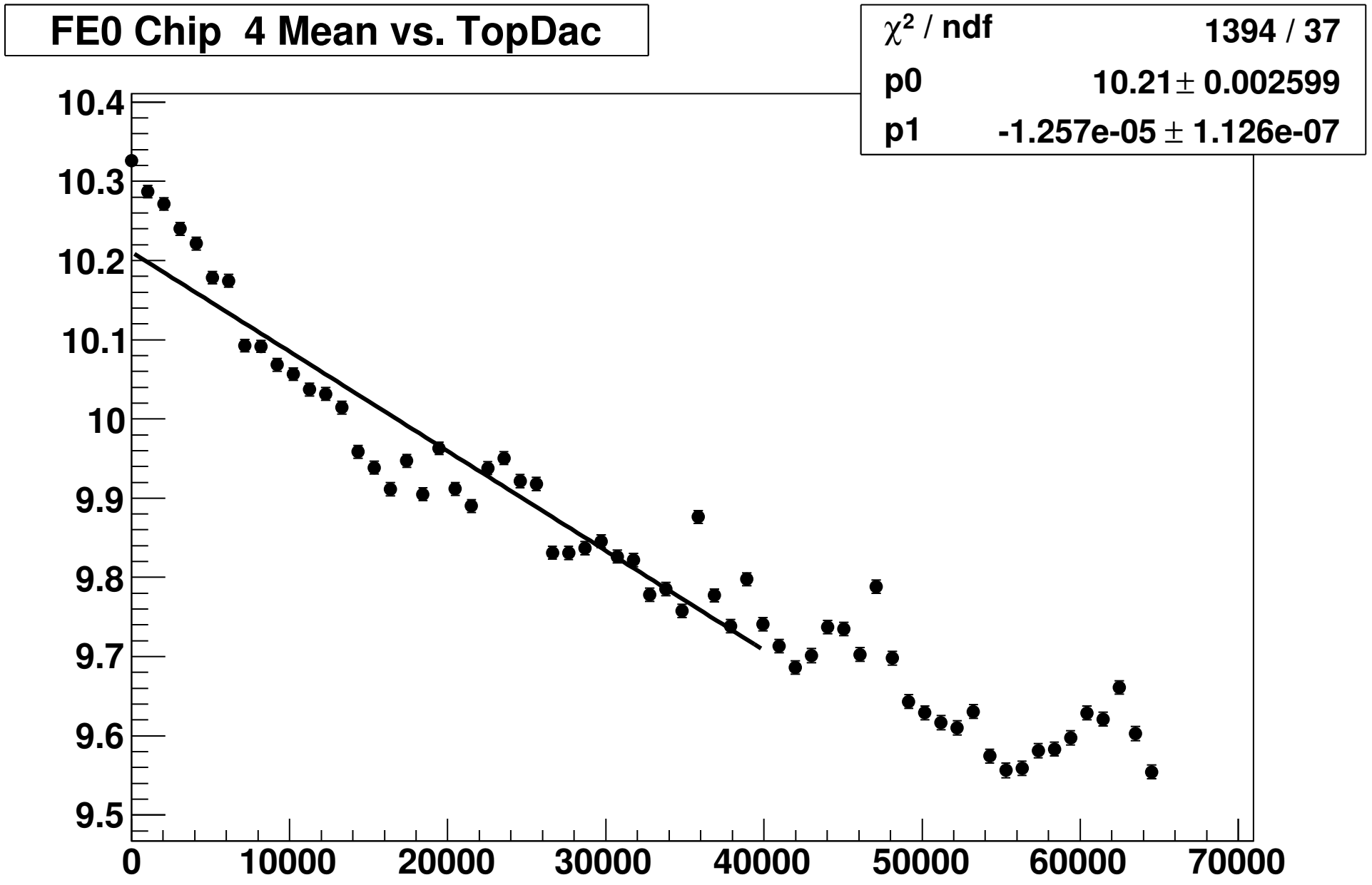

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 341 / 37
p0 1.587 ± 0.00401
p1 9.426e-05 ± 2.263e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

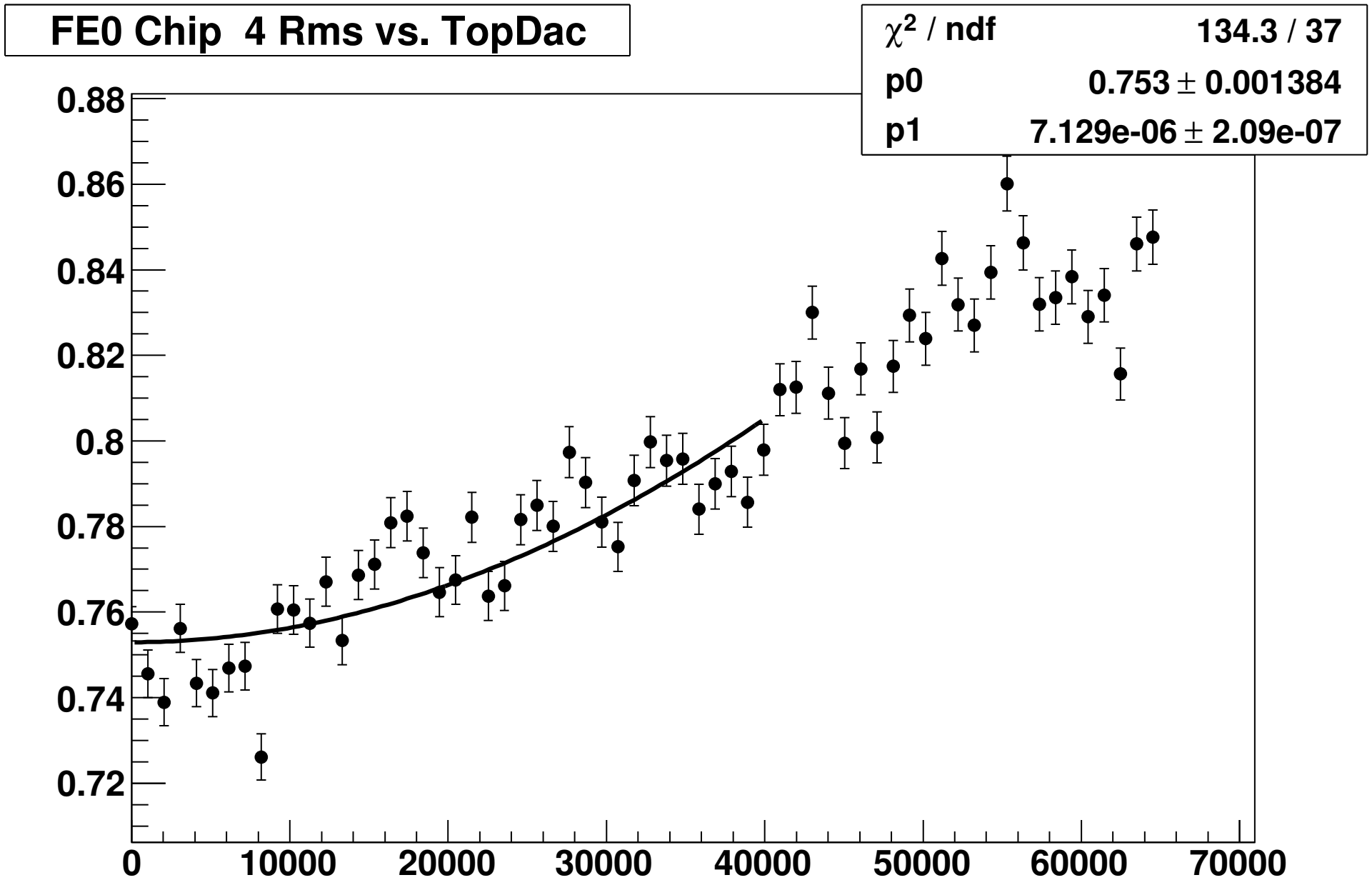

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 2048 / 37
p0 16.07 ± 0.003059
p1 -2.669e-05 ± 1.298e-07
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
0
10000
20000
30000
40000
50000
60000
70000

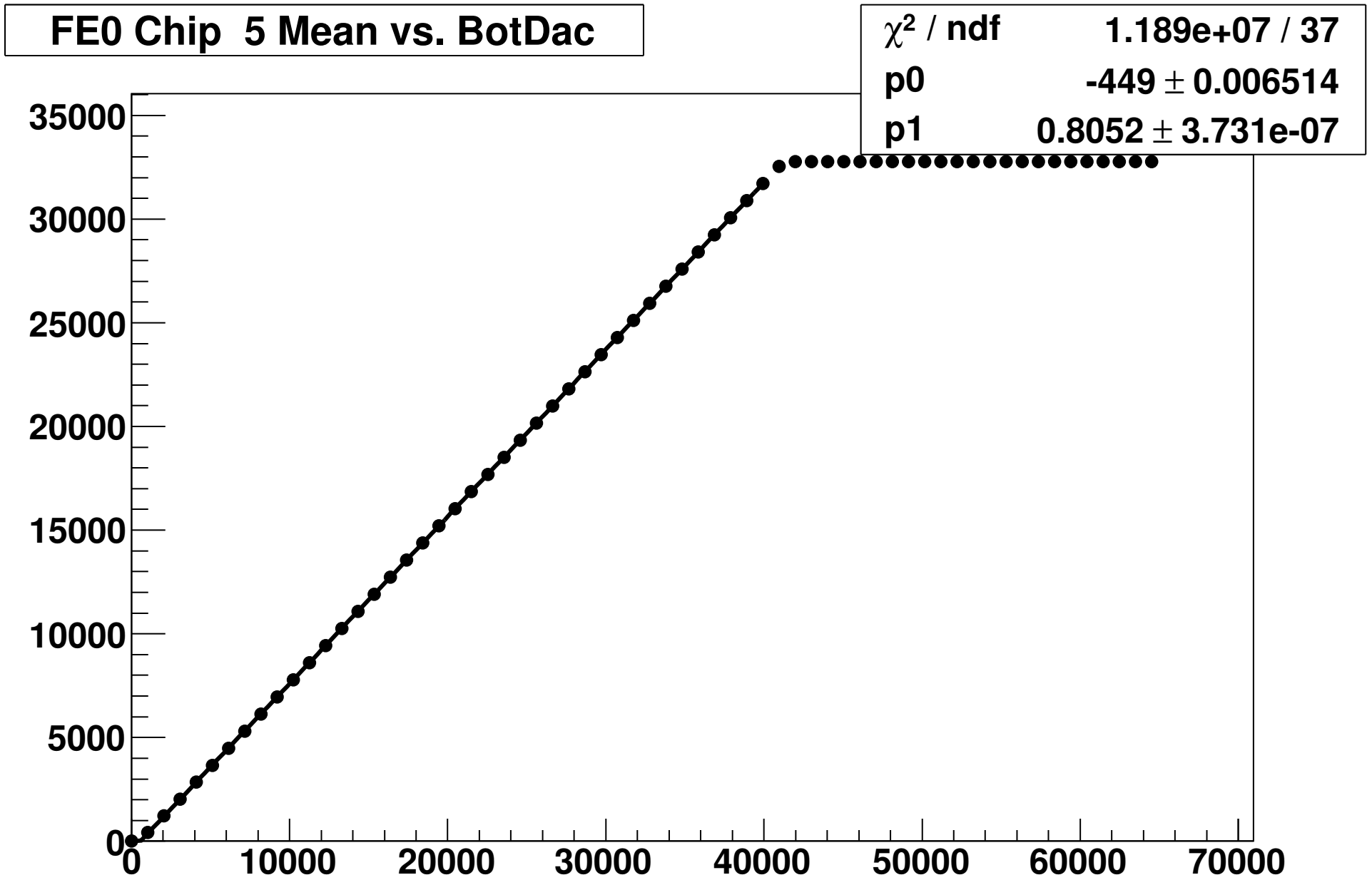

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 52.1 / 37
p0 0.8836 ± 0.001057
p1 2.22e-14 ± 8.009e-07
0.96
0.94
0.92
0.9
0.88
0.86
0
10000
20000
30000
40000
50000
60000
70000

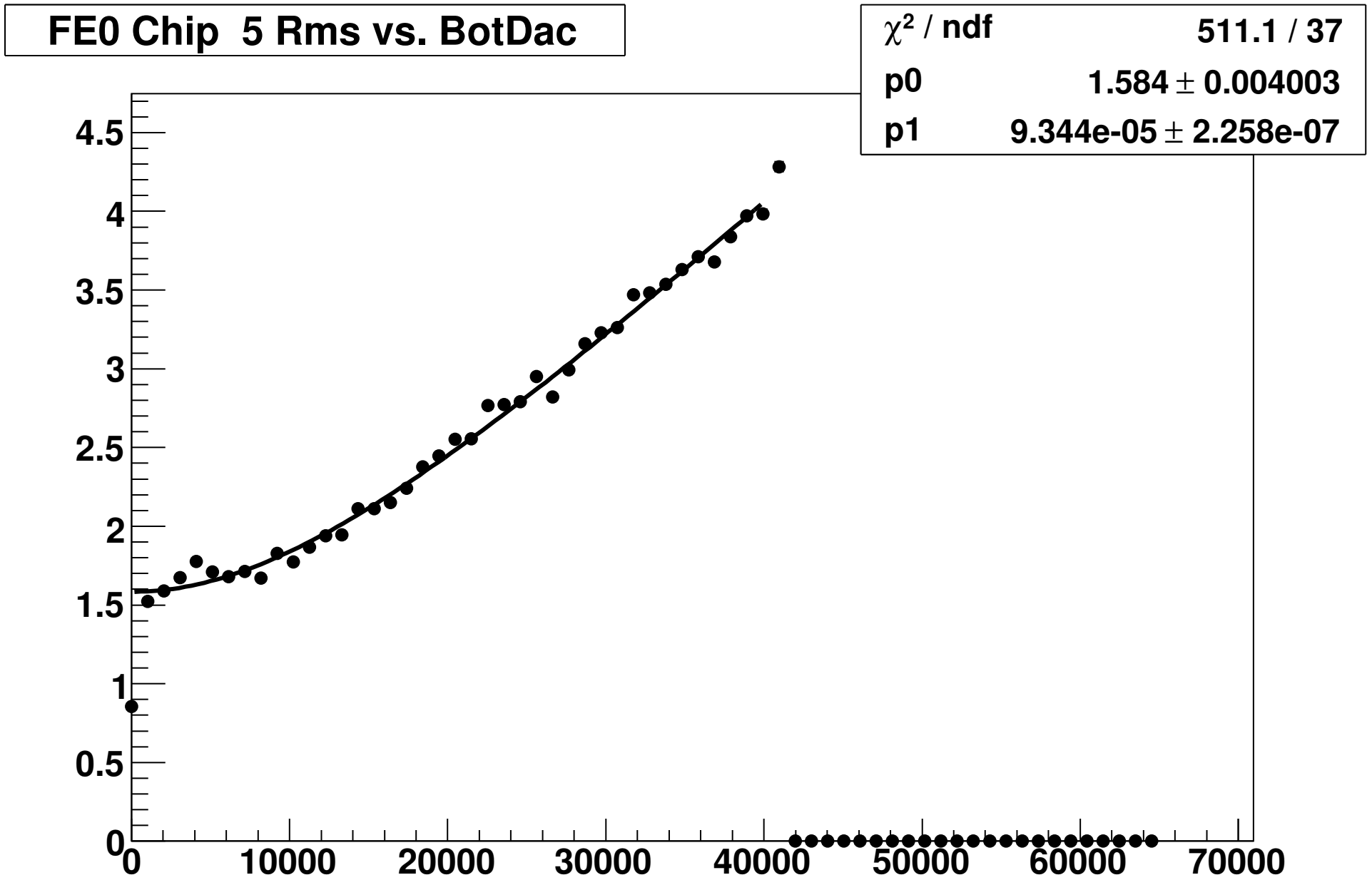

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.138e+07 / 37
p0 -449.1 ± 0.006576
p1 0.8053 ± 3.761e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

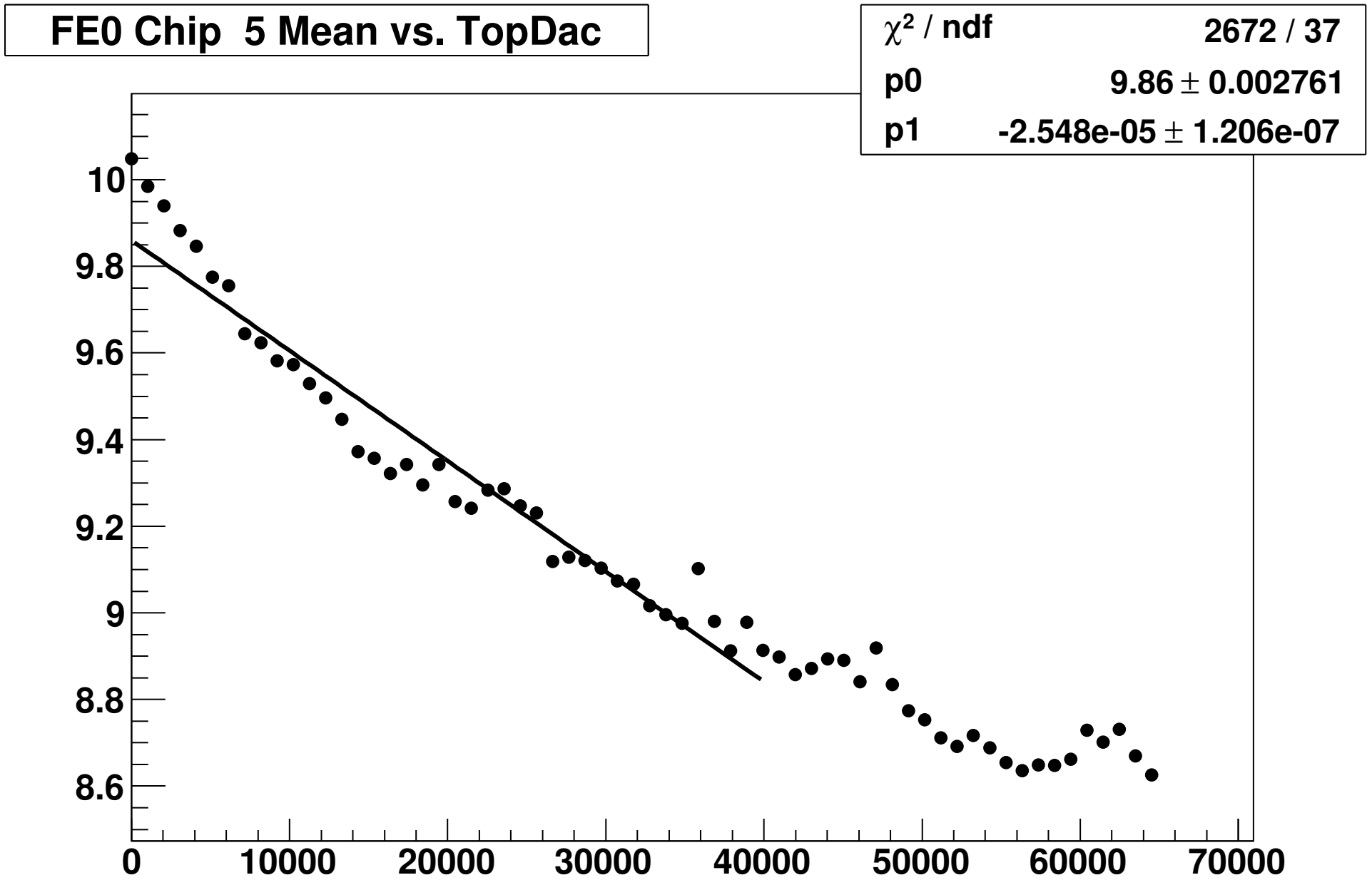

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 456.7 / 37
p0 1.6 ± 0.004032
p1 9.382e-05 ± 2.276e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

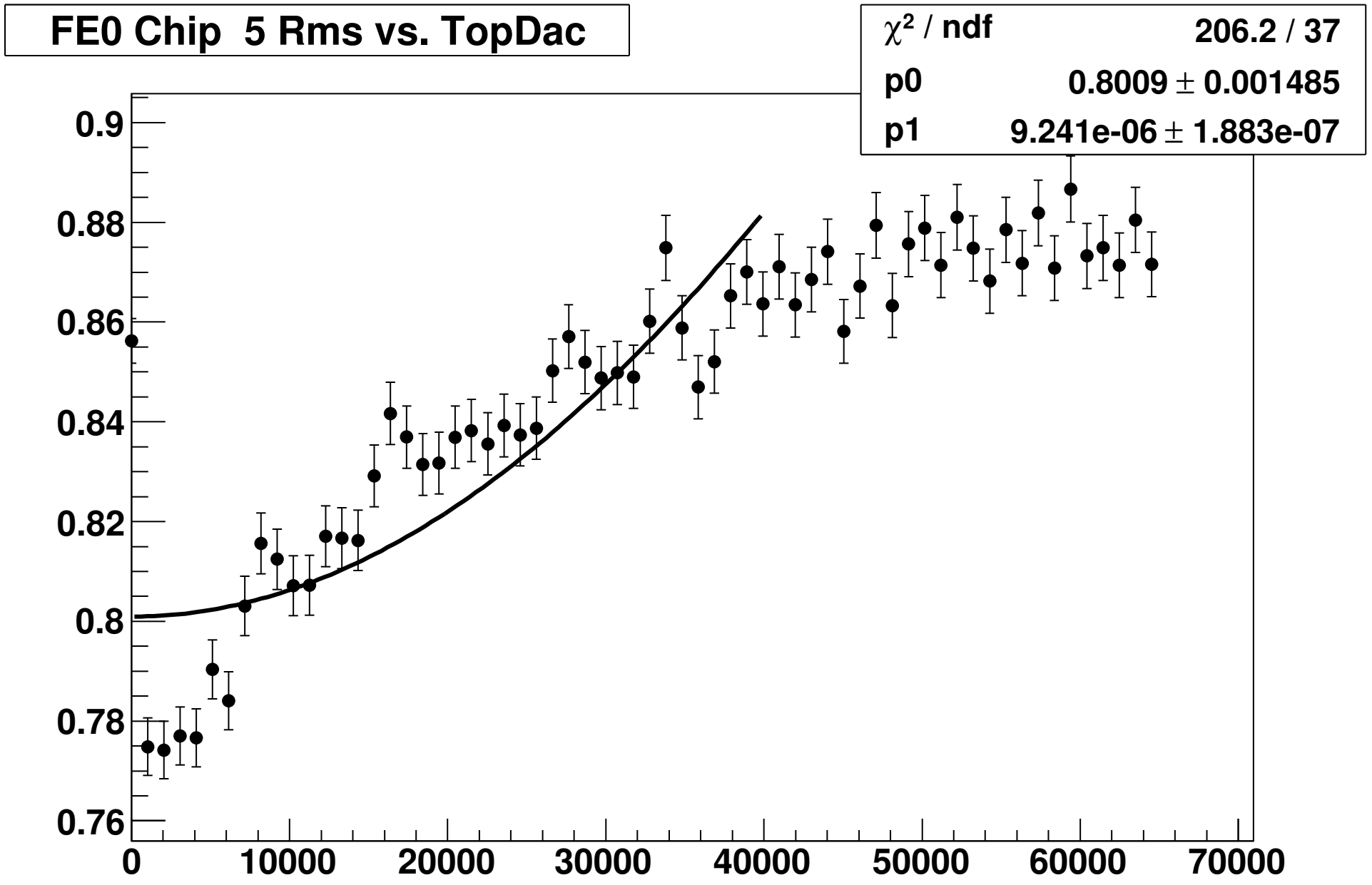

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 1394 / 37
p0 10.21 ± 0.002599
p1 -1.257e-05 ± 1.126e-07
10.4
10.3
10.2
10.1
10
9.9
9.8
9.7
9.6
9.5
0
10000
20000
30000
40000
50000
60000
70000

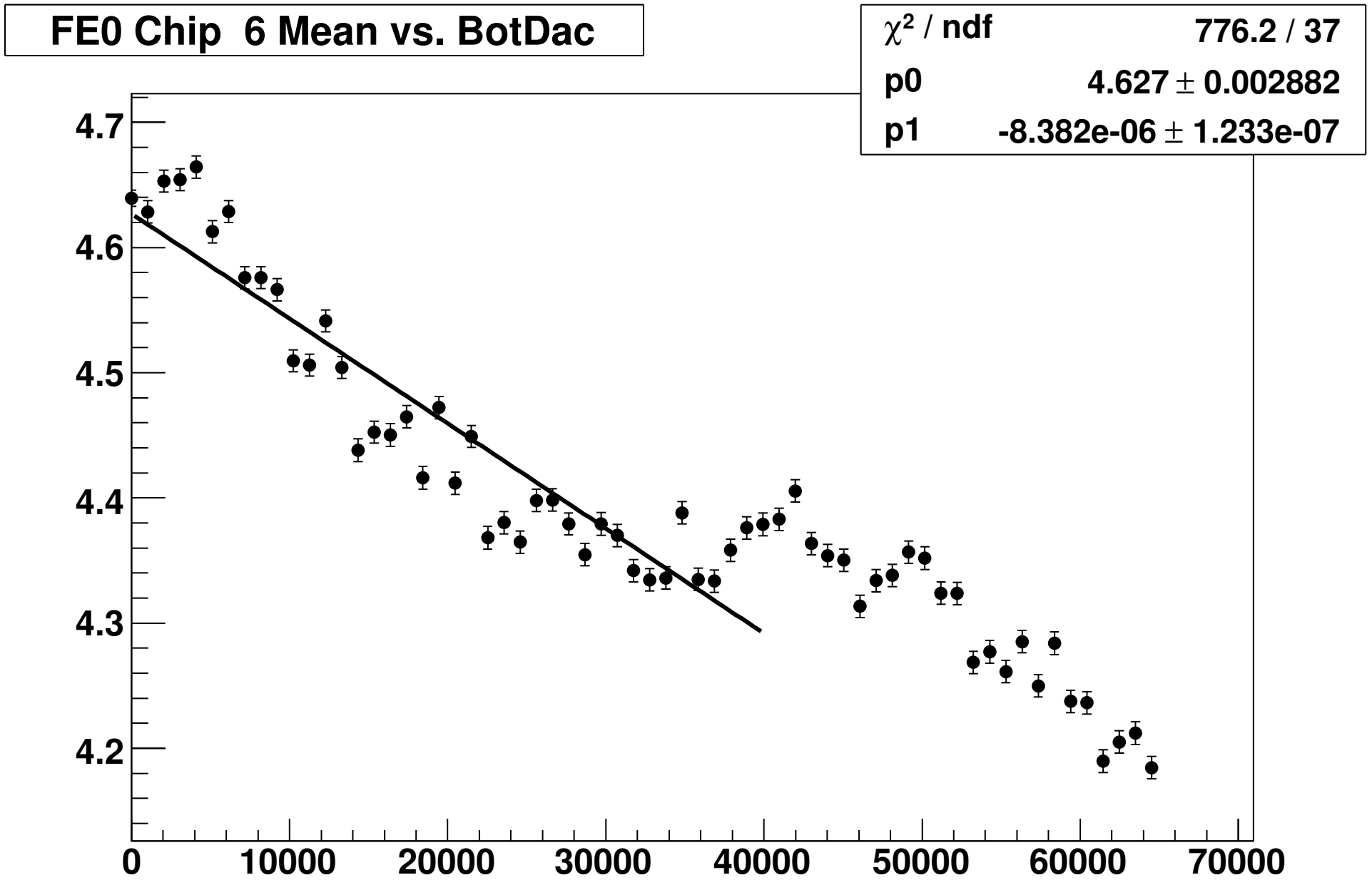

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 134.3 / 37
p0 0.753 ± 0.001384
p1 7.129e-06 ± 2.09e-07
0.88
0.86
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0
10000
20000
30000
40000
50000
60000
70000

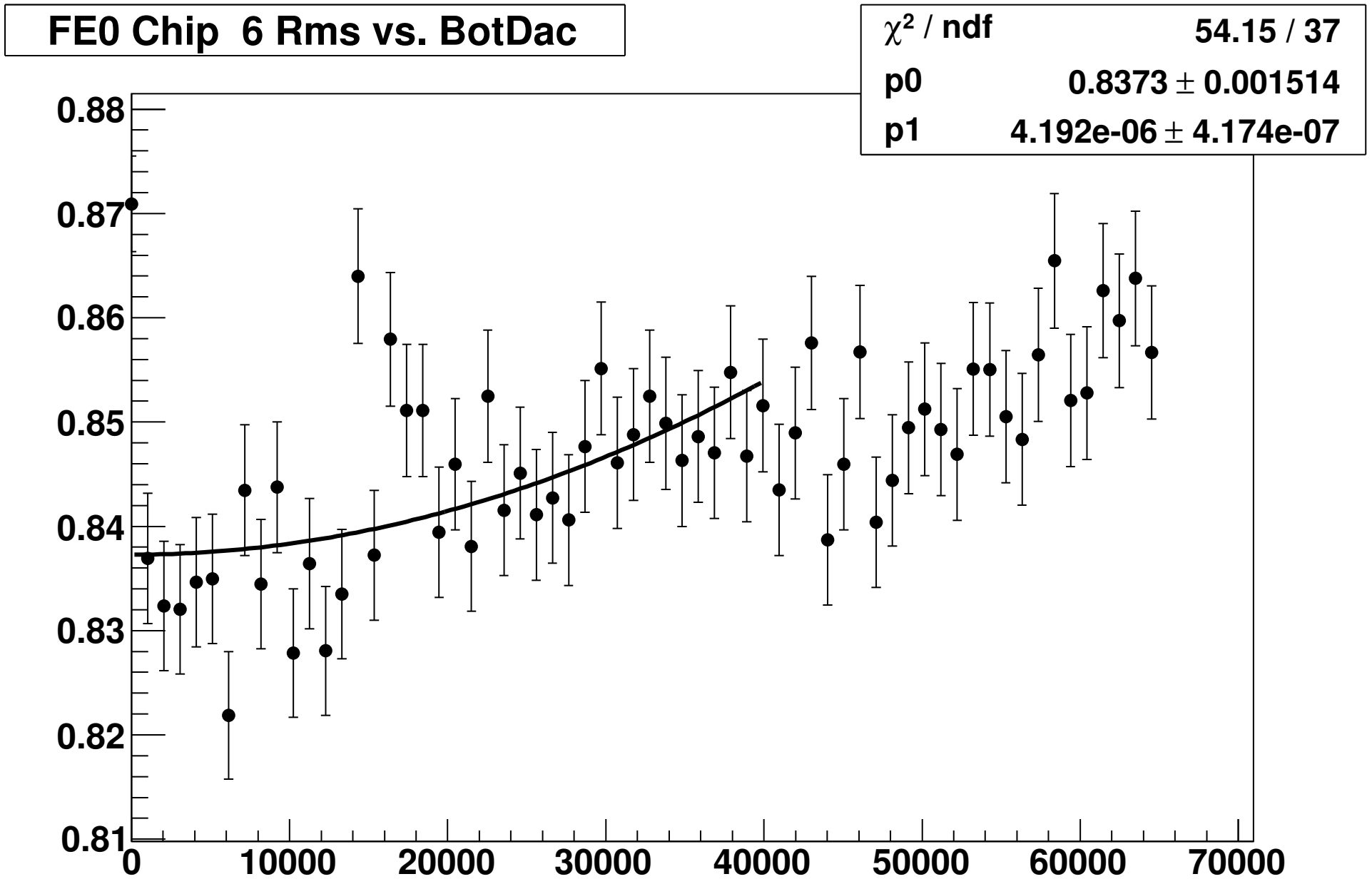

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.189e+07 / 37
p0 -449 ± 0.006514
p1 0.8052 ± 3.731e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

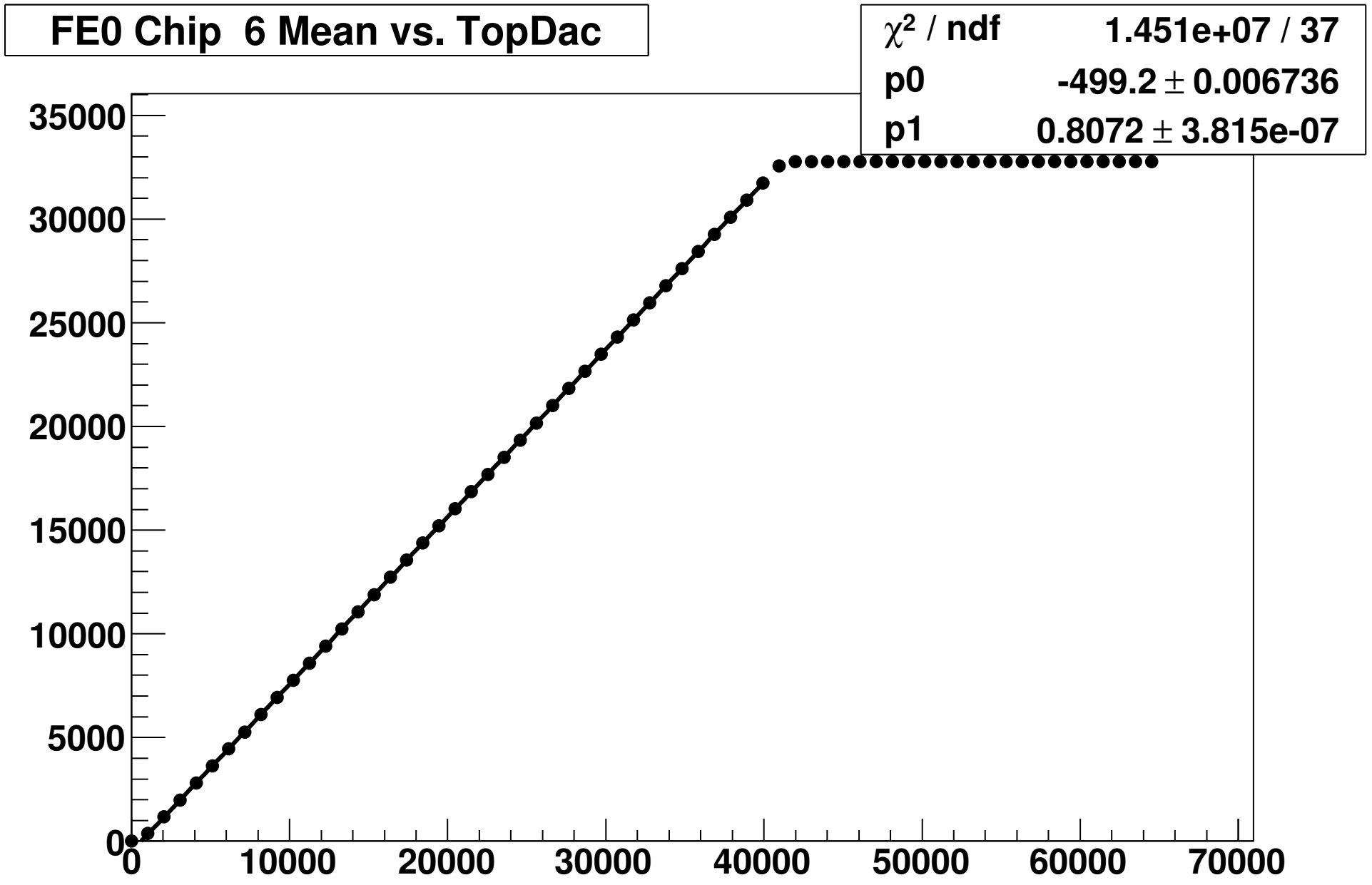

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 511.1 / 37
p0 1.584 ± 0.004003
p1 9.344e-05 ± 2.258e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

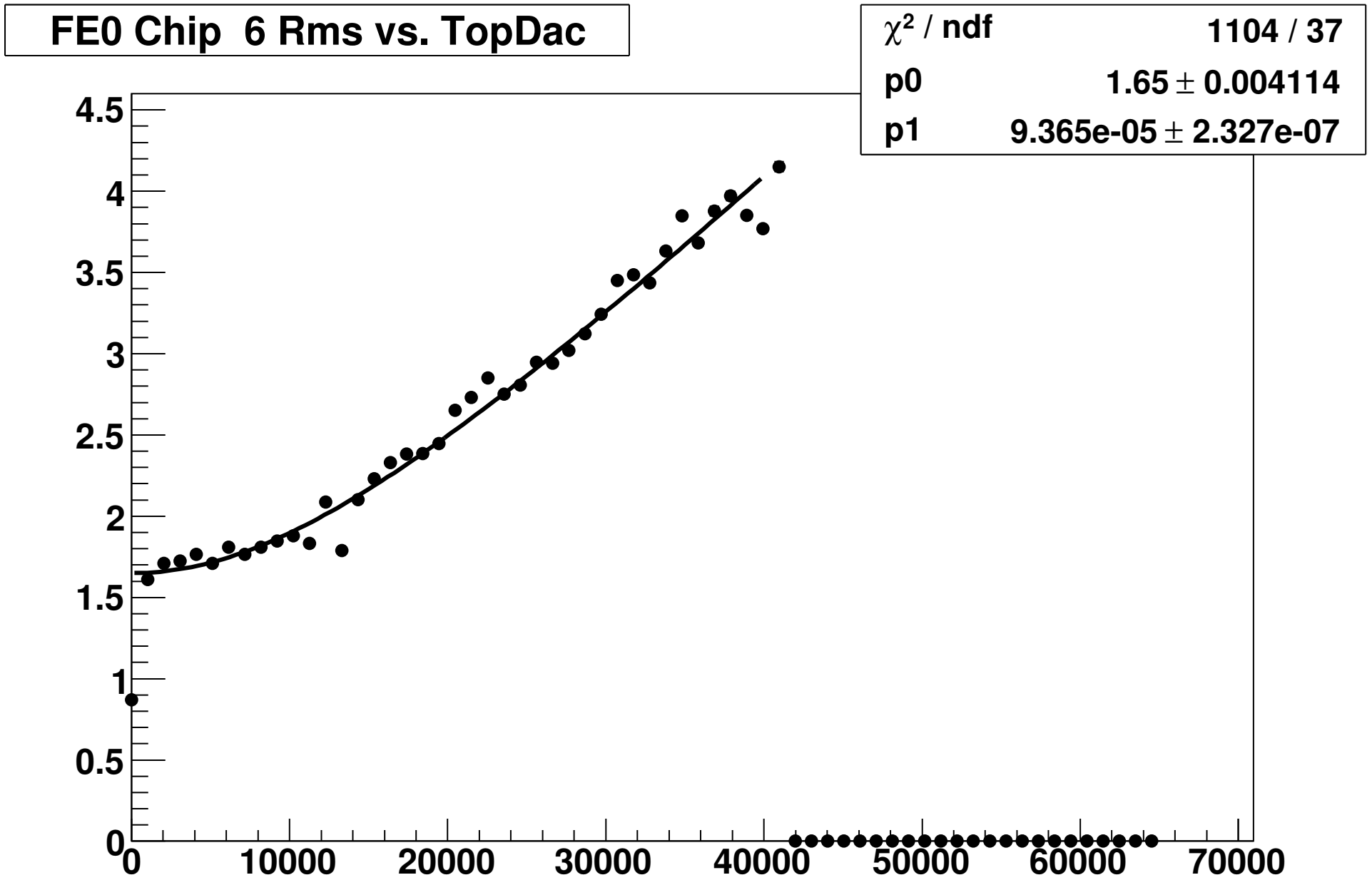

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 2672 / 37
p0 9.86 ± 0.002761
p1 -2.548e-05 ± 1.206e-07
10
9.8
9.6
9.4
9.2
9
8.8
8.6
0
10000
20000
30000
40000
50000
60000
70000

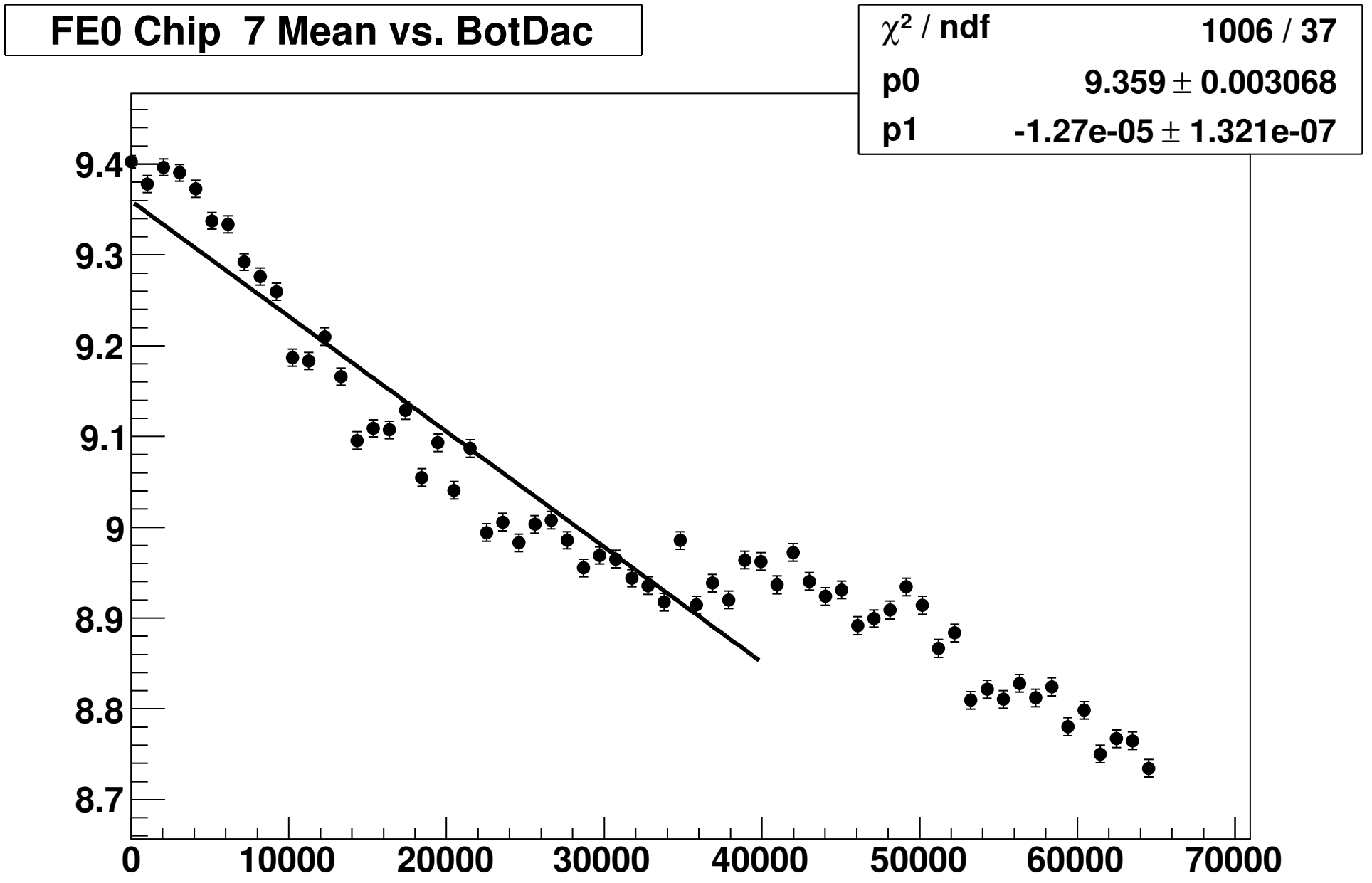

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 206.2 / 37
p0 0.8009 ± 0.001485
p1 9.241e-06 ± 1.883e-07
0.9
0.88
0.86
0.84
0.82
0.8
0.78
0.76
0
10000
20000
30000
40000
50000
60000
70000

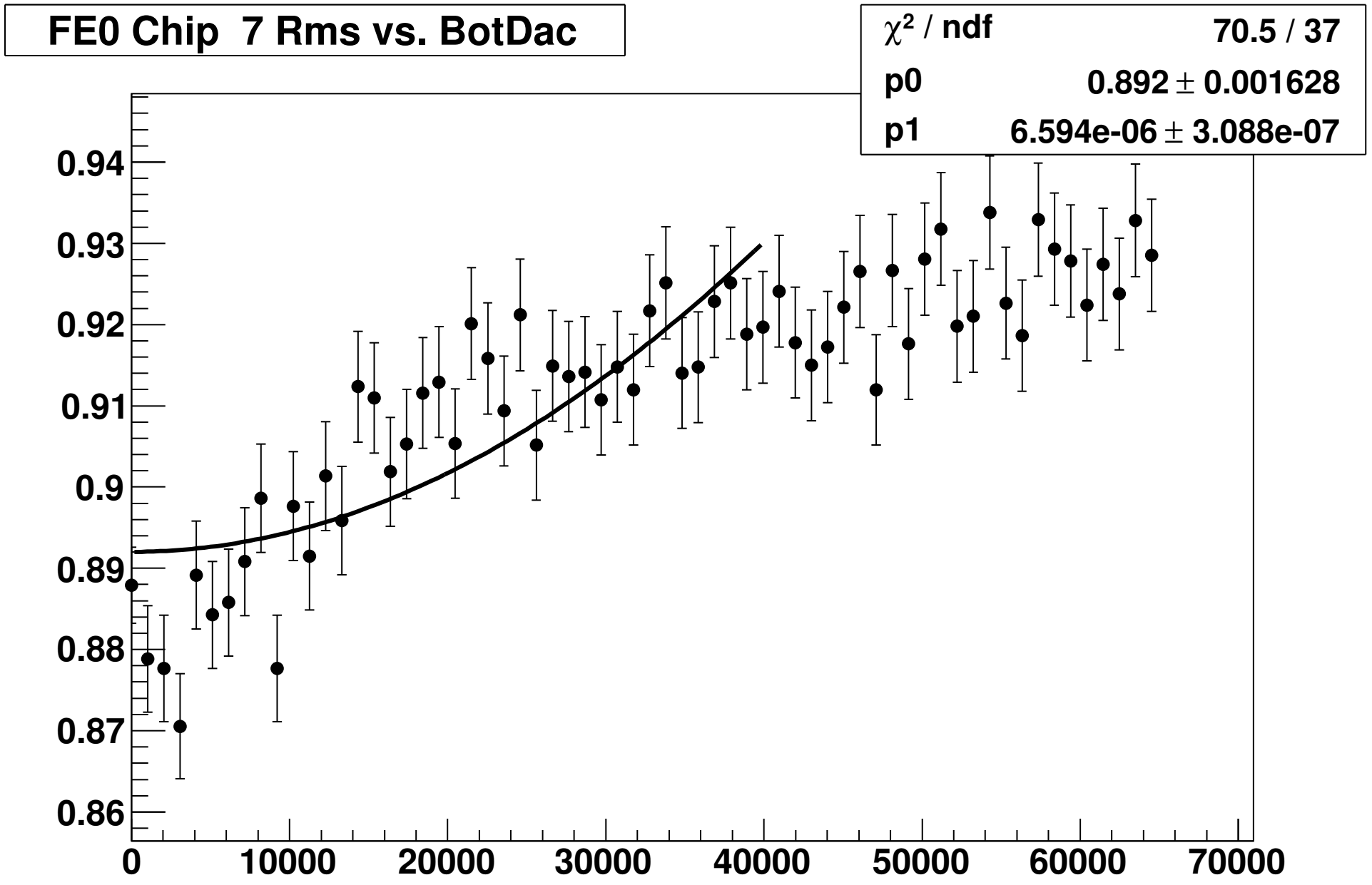

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 776.2 / 37
p0 4.627 ± 0.002882
p1 -8.382e-06 ± 1.233e-07
4.7
4.6
4.5
4.4
4.3
4.2
0
10000
20000
30000
40000
50000
60000
70000

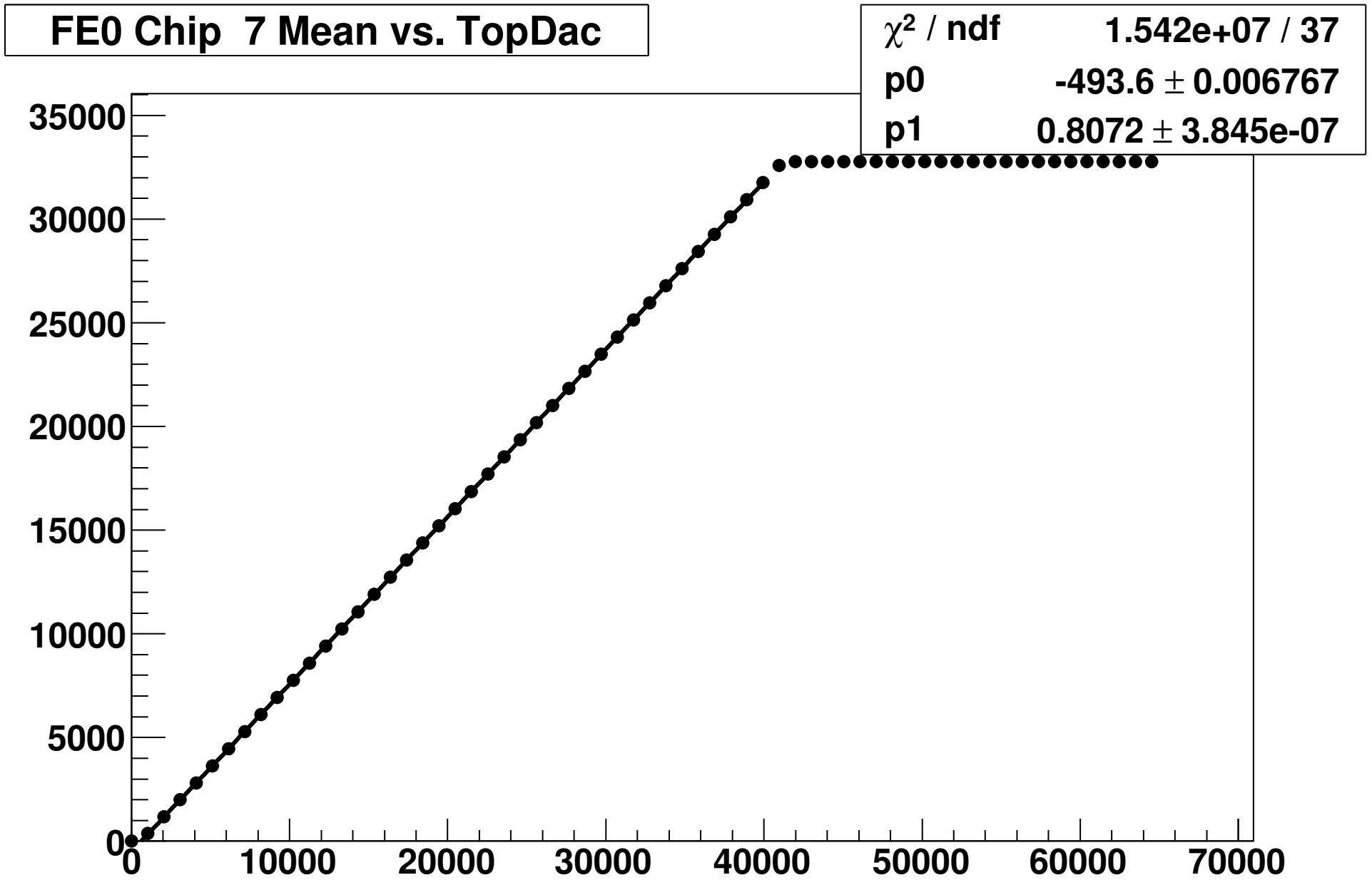

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 54.15 / 37
p0 0.8373 ± 0.001514
p1 4.192e-06 ± 4.174e-07
0.88
0.87
0.86
0.85
0.84
0.83
0.82
0.81
0
10000
20000
30000
40000
50000
60000
70000

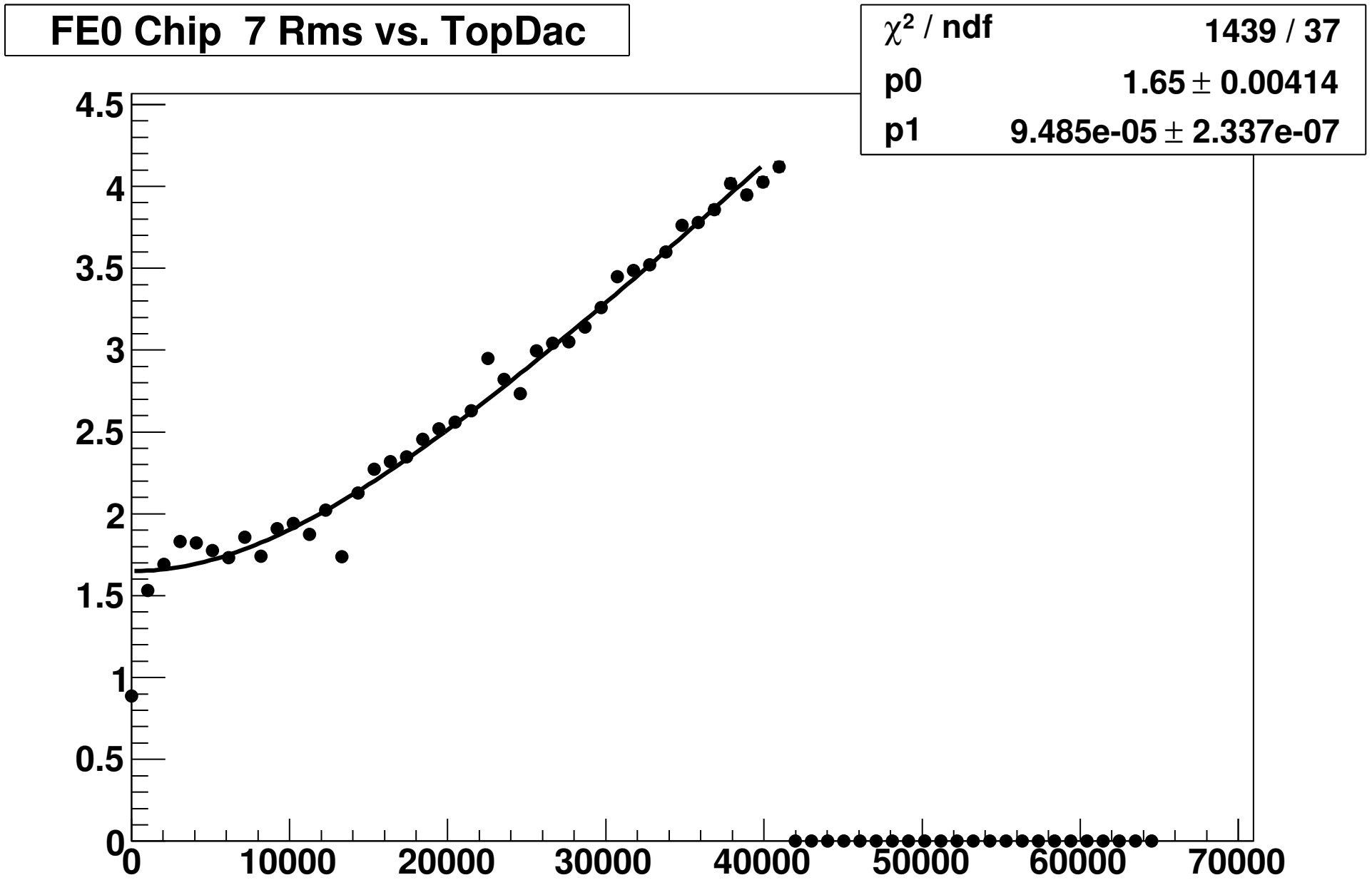

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.451e+07 / 37
p0 -499.2 ± 0.006736
p1 0.8072 ± 3.815e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

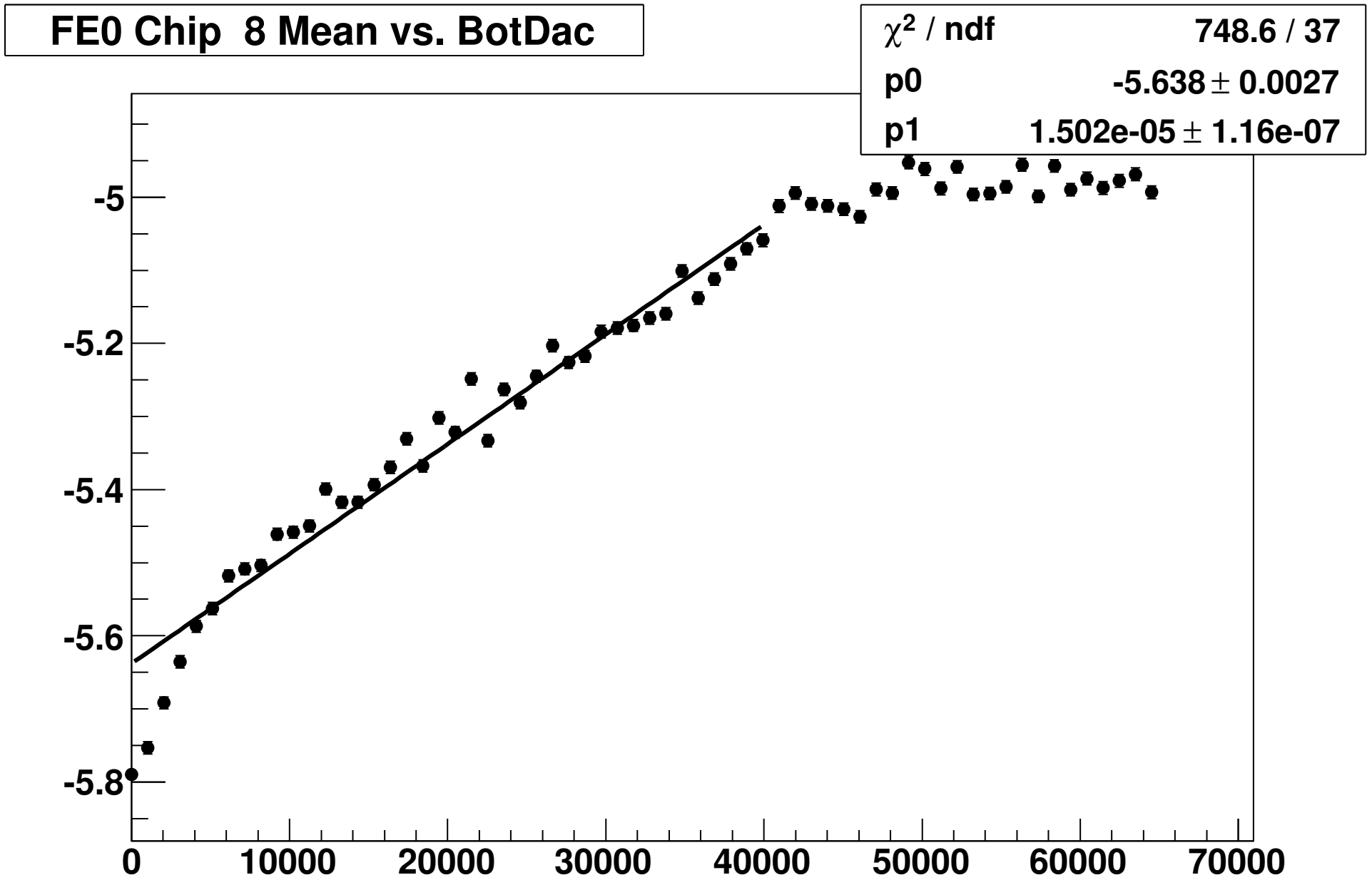

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 1104 / 37
p0 1.65 ± 0.004114
p1 9.365e-05 ± 2.327e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

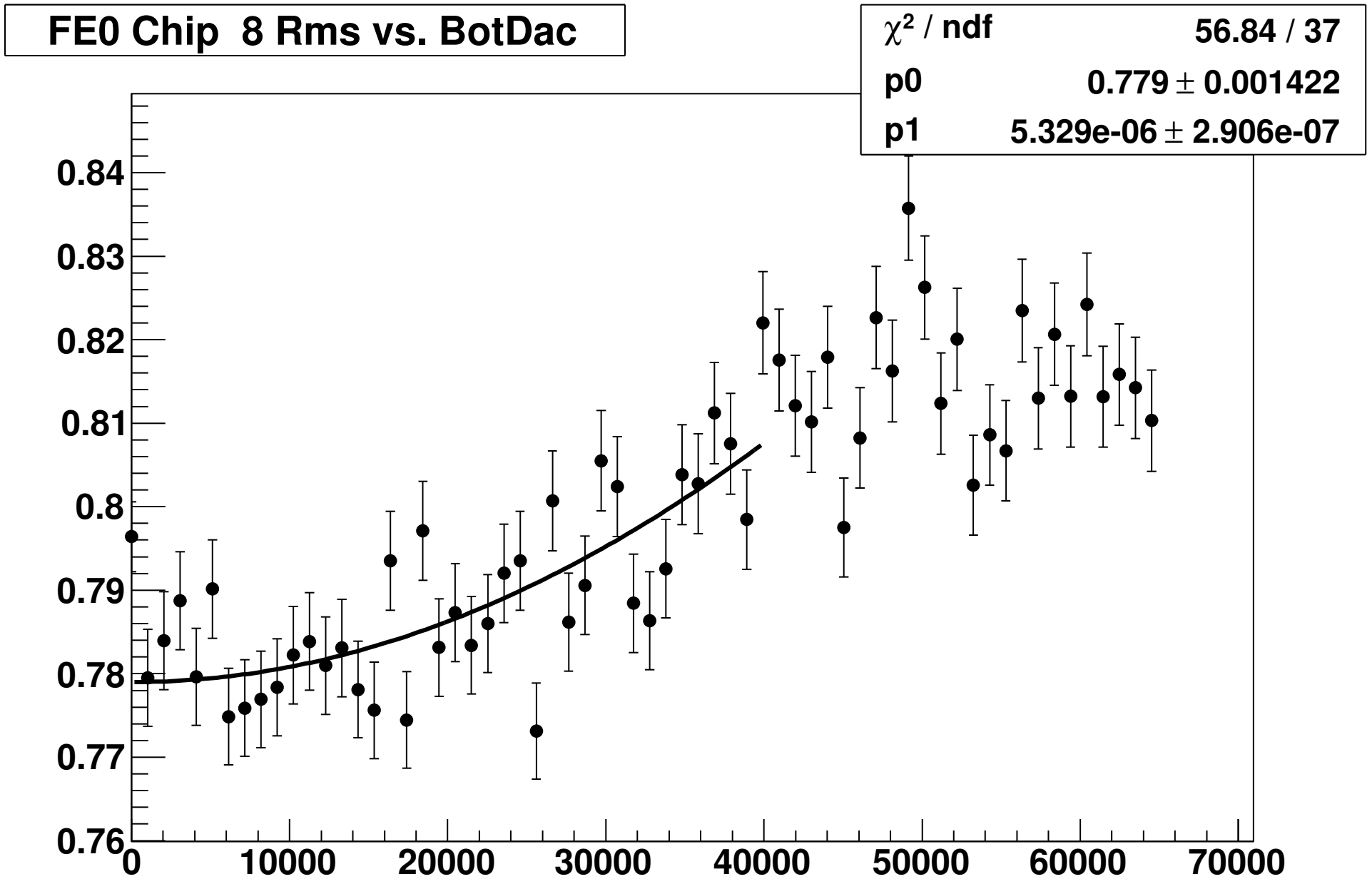

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 1006 / 37
p0 9.359 ± 0.003068
p1 -1.27e-05 ± 1.321e-07
9.4
9.3
9.2
9.1
9
8.9
8.8
8.7
0
10000
20000
30000
40000
50000
60000
70000

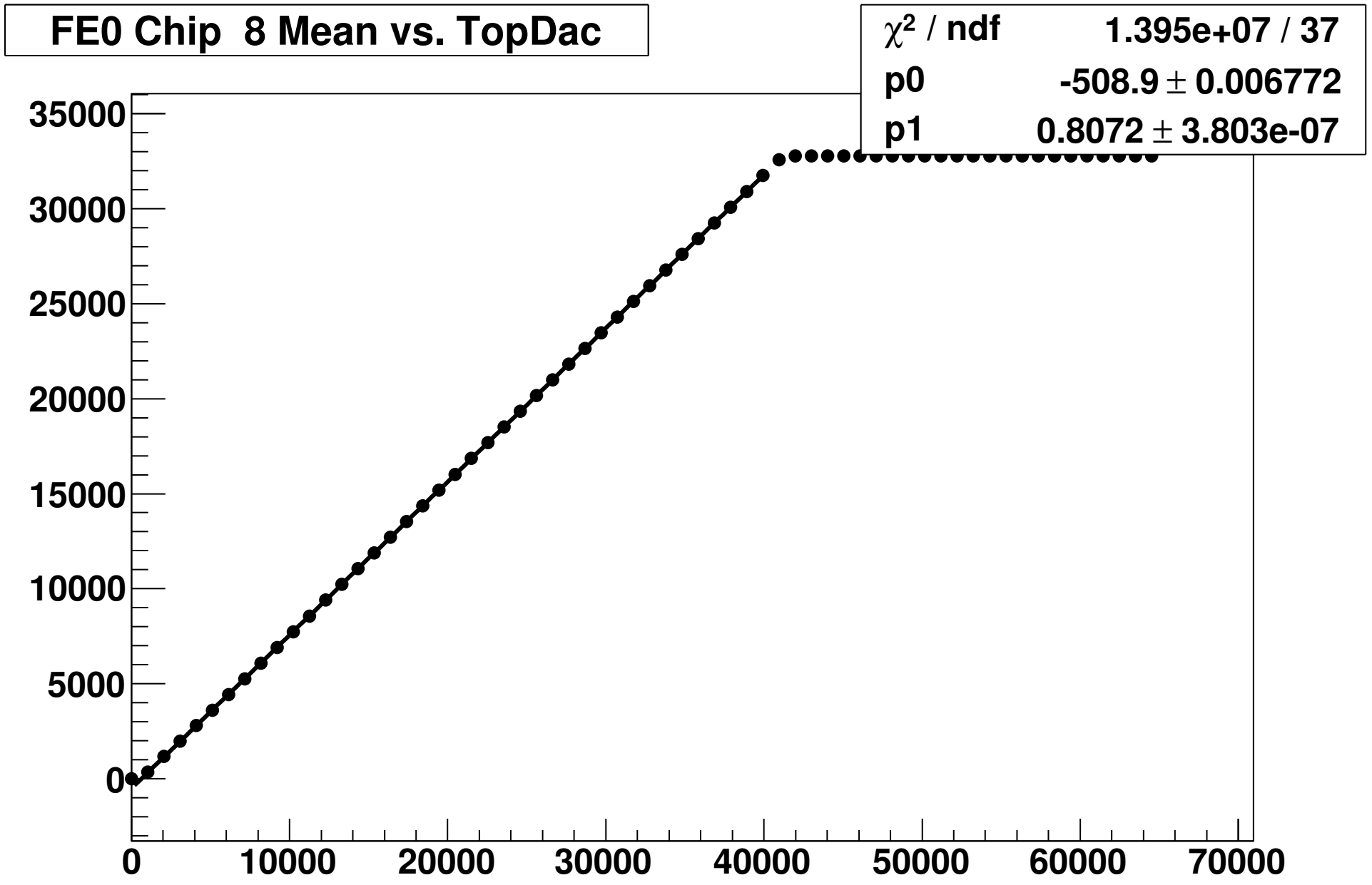

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 70.5 / 37
p0 0.892 ± 0.001628
p1 6.594e-06 ± 3.088e-07
0.94
0.93
0.92
0.91
0.9
0.89
0.88
0.87
0.86
0
10000
20000
30000
40000
50000
60000
70000

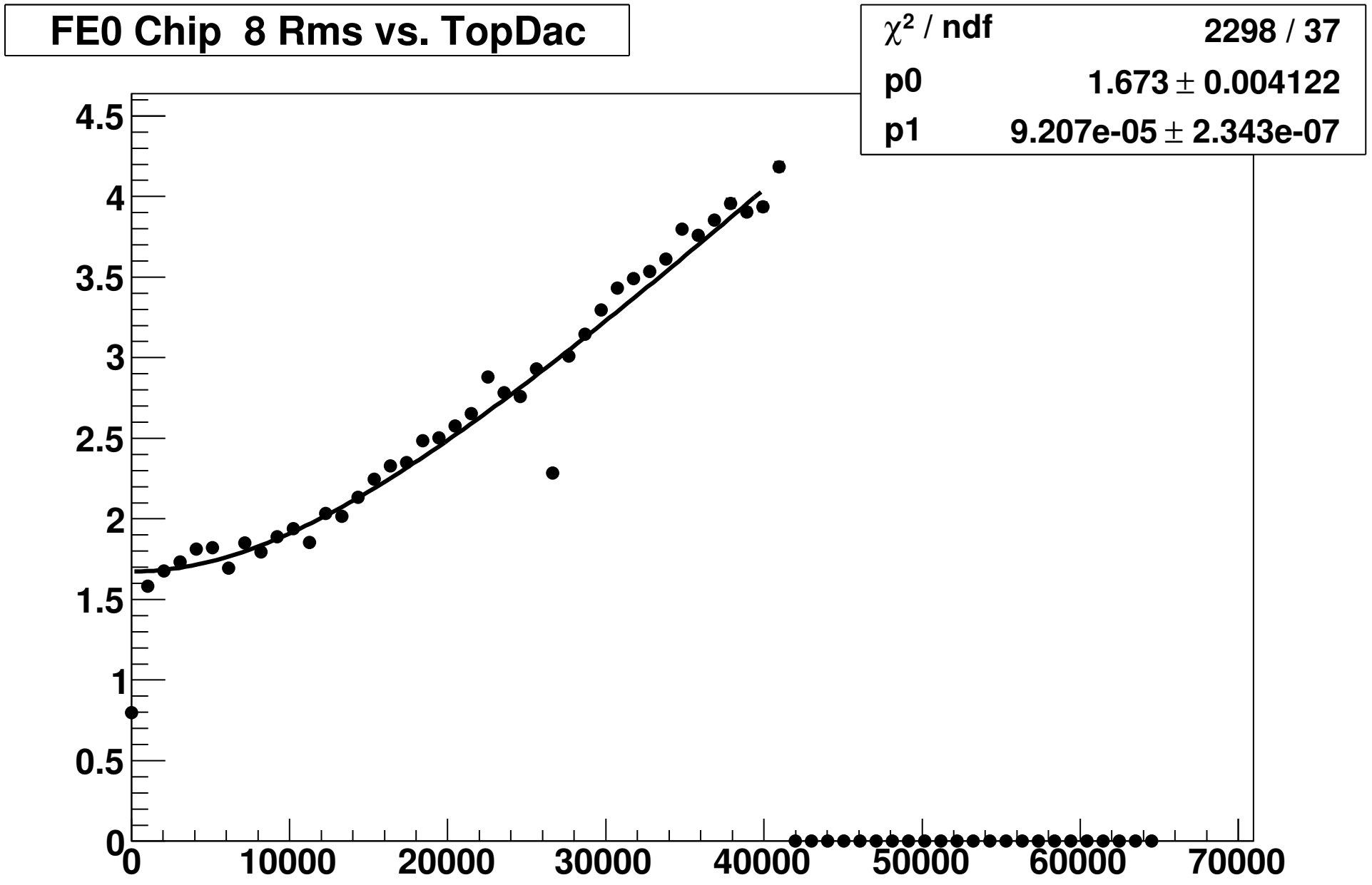

FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.542e+07 / 37
p0 -493.6 ± 0.006767
p1 0.8072 ± 3.845e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

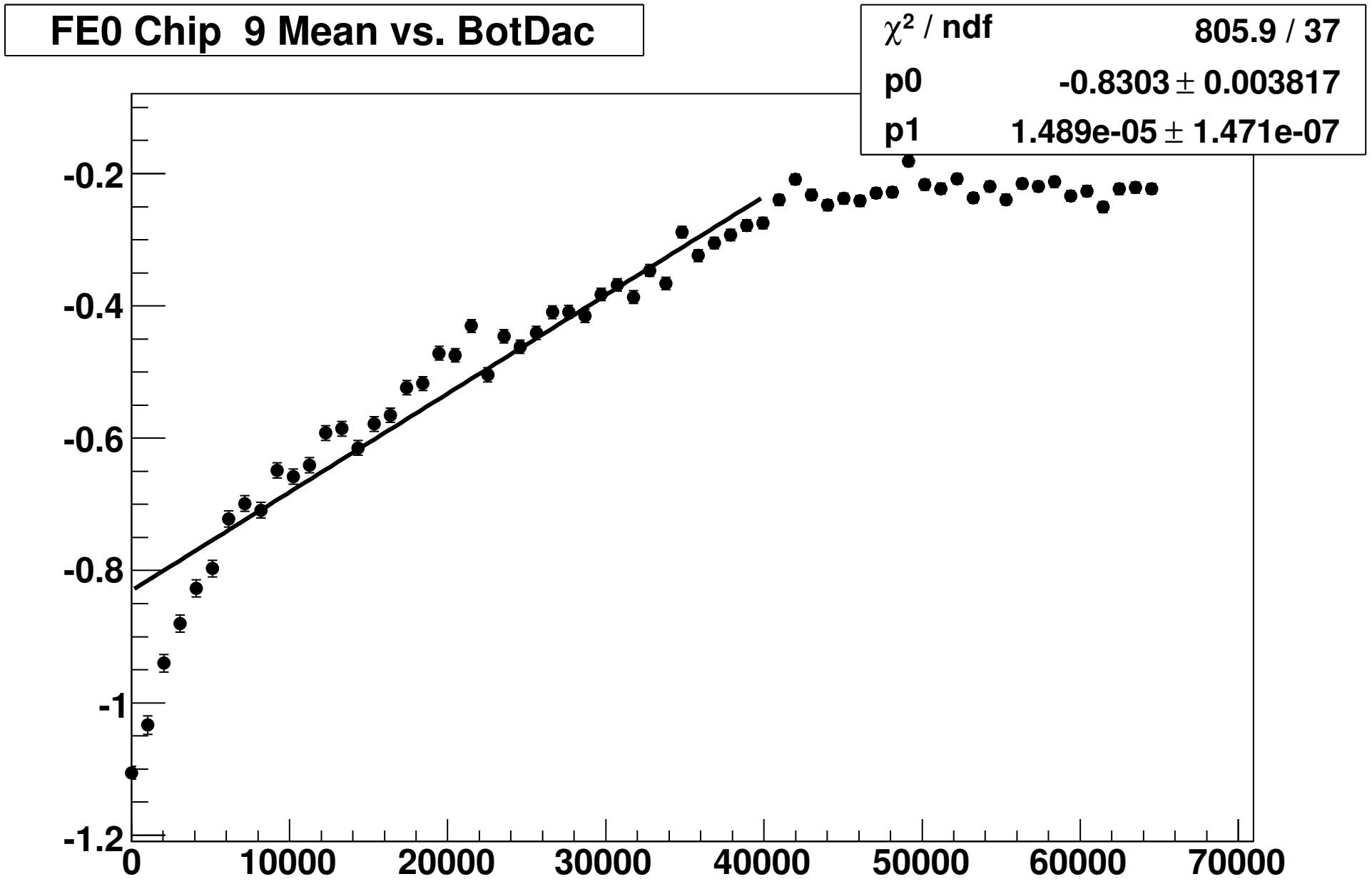

FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1439 / 37
p0 1.65 ± 0.00414
p1 9.485e-05 ± 2.337e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

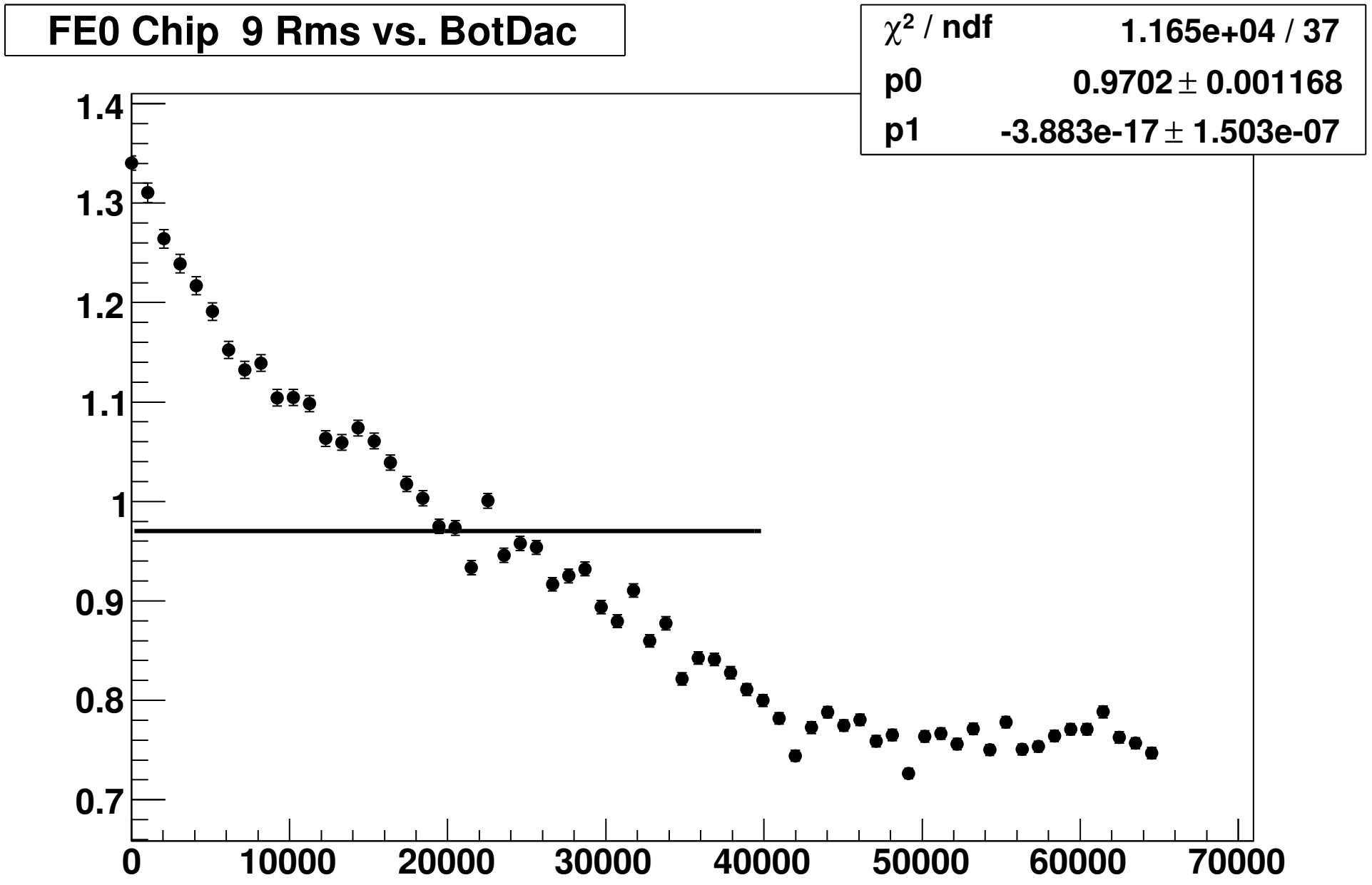

FE0 Chip 8 Mean vs. BotDac
χ² / ndf 748.6 / 37
p0 -5.638 ± 0.0027
p1 1.502e-05 ± 1.16e-07
-5
-5.2
-5.4
-5.6
-5.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 56.84 / 37
p0 0.779 ± 0.001422
p1 5.329e-06 ± 2.906e-07
0.84
0.83
0.82
0.81
0.8
0.79
0.78
0.77
0.76
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.395e+07 / 37
p0 -508.9 ± 0.006772
p1 0.8072 ± 3.803e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 2298 / 37
p0 1.673 ± 0.004122
p1 9.207e-05 ± 2.343e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 805.9 / 37
p0 -0.8303 ± 0.003817
p1 1.489e-05 ± 1.471e-07
-0.2
-0.4
-0.6
-0.8
-1
-1.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 1.165e+04 / 37
p0 0.9702 ± 0.001168
p1 -3.883e-17 ± 1.503e-07
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0
10000
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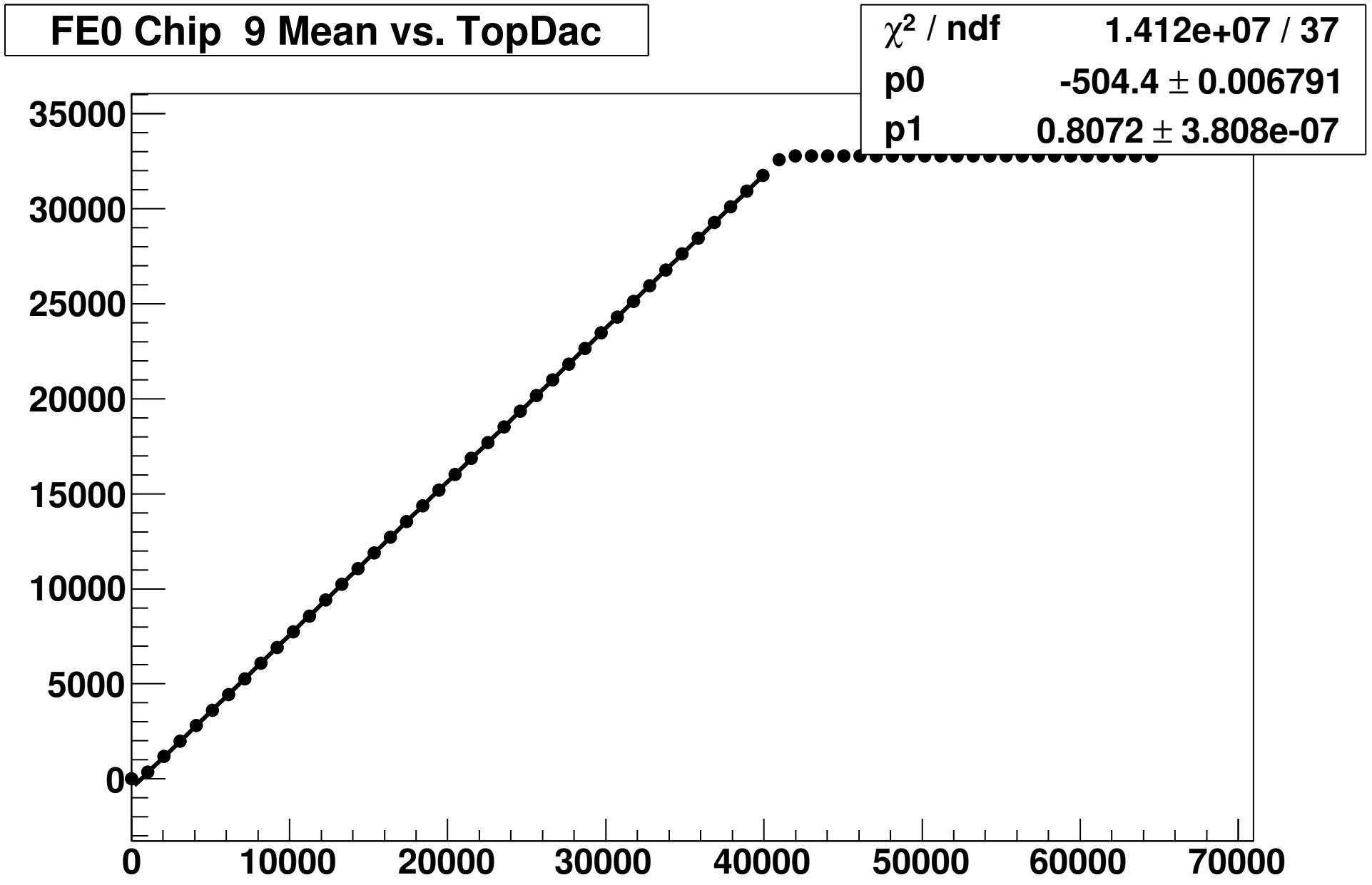
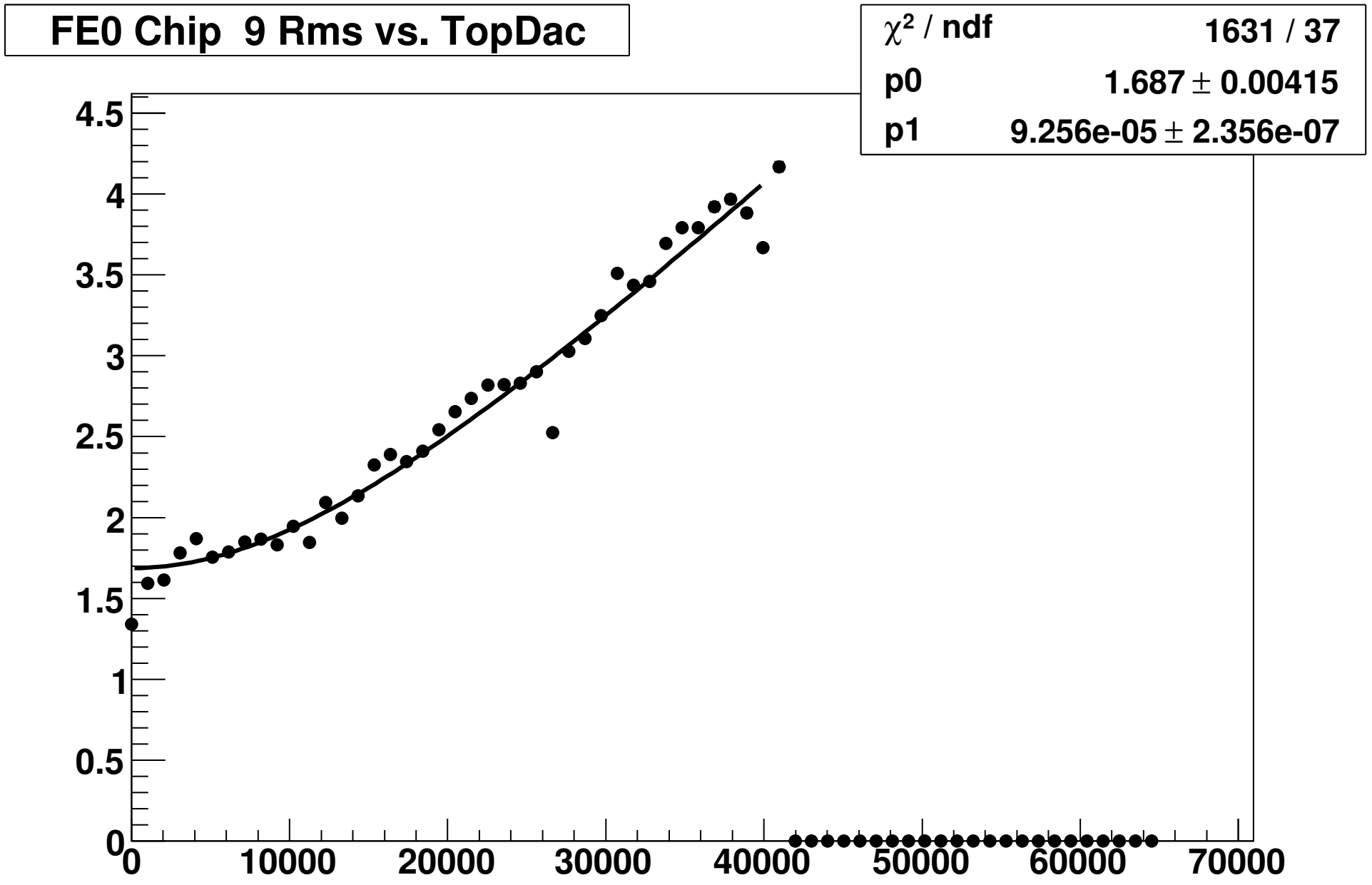
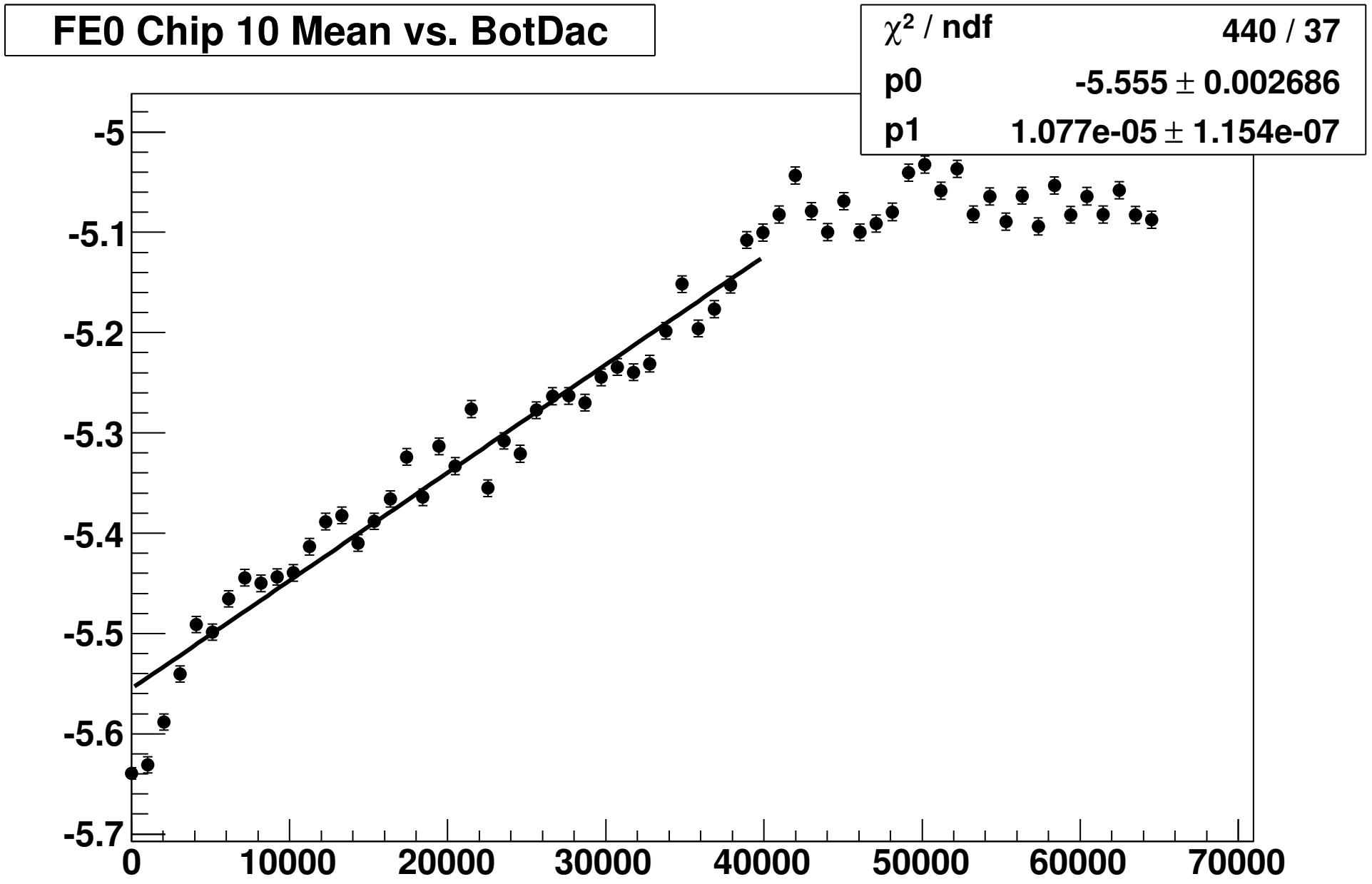
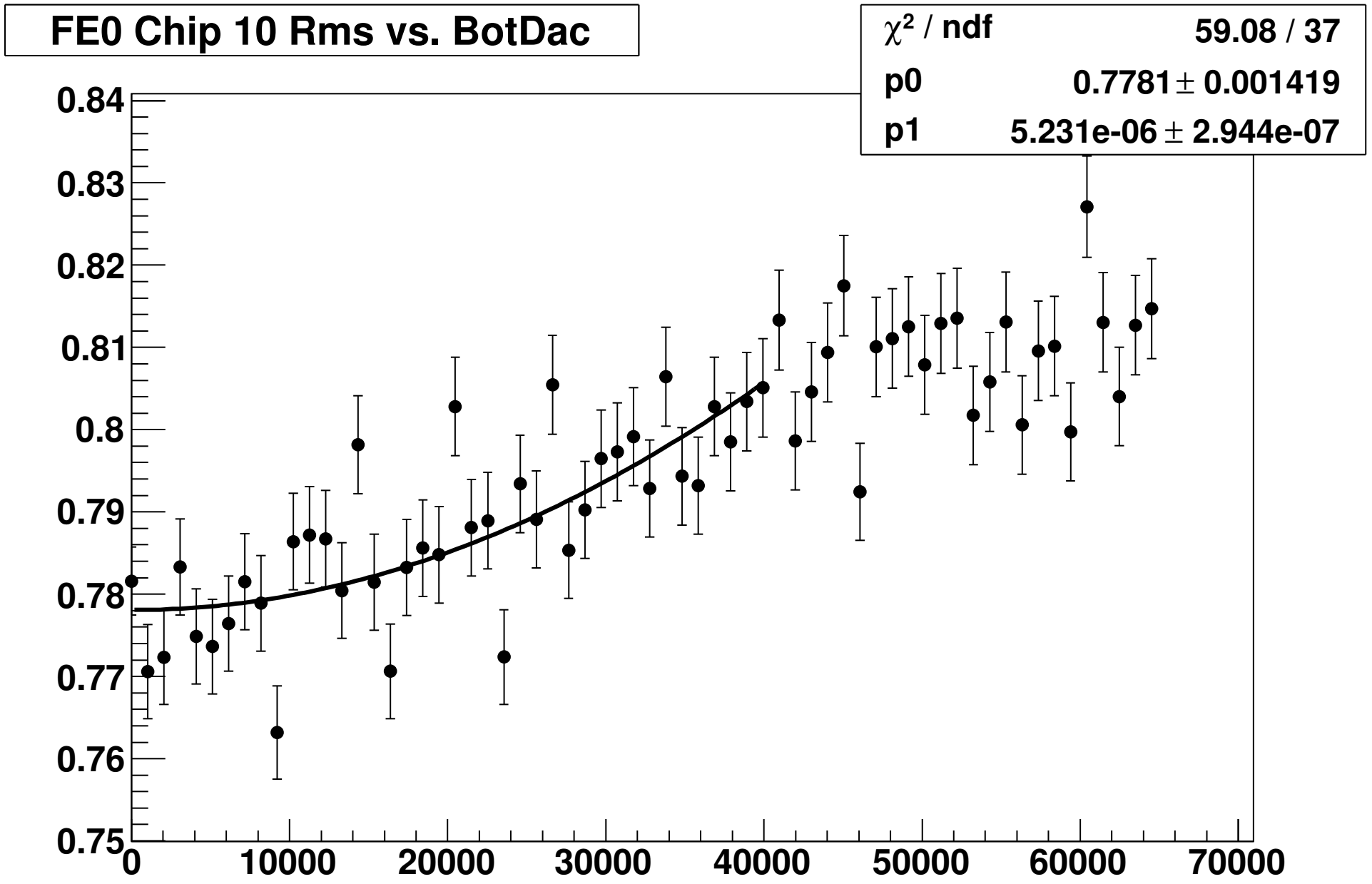
50000
60000
70000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.412e+07 / 37
p0 -504.4 ± 0.006791
p1 0.8072 ± 3.808e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1631 / 37
p0 1.687 ± 0.00415
p1 9.256e-05 ± 2.356e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 440 / 37
p0 -5.555 ± 0.002686
p1 1.077e-05 ± 1.154e-07
-5
-5.1
-5.2
-5.3
-5.4
-5.5
-5.6
-5.7
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 59.08 / 37
p0 0.7781 ± 0.001419
p1 5.231e-06 ± 2.944e-07
0.84
0.83
0.82
0.81
0.8
0.79
0.78
0.77
0.76
0.75
0
10000
20000
30000
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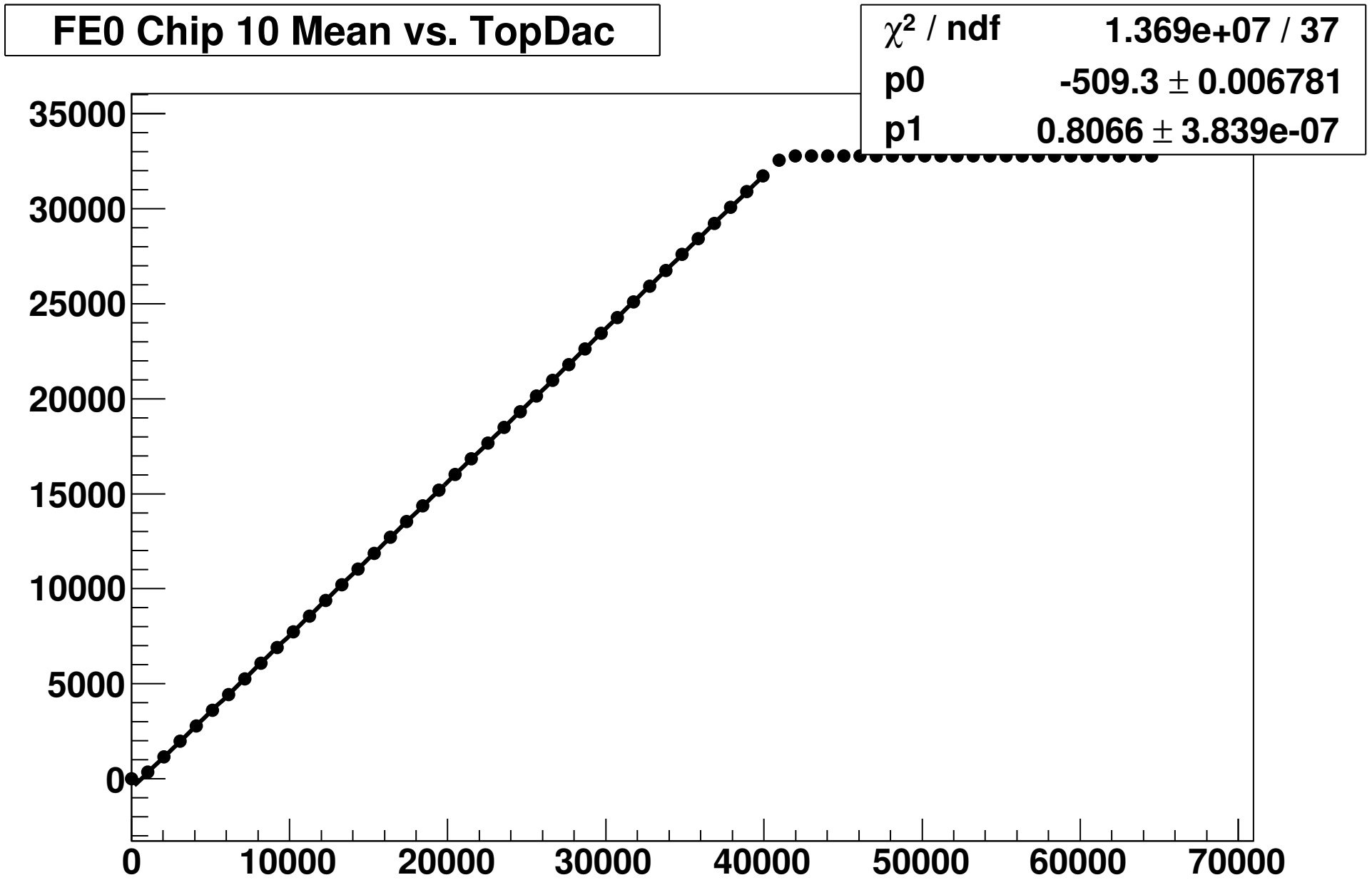
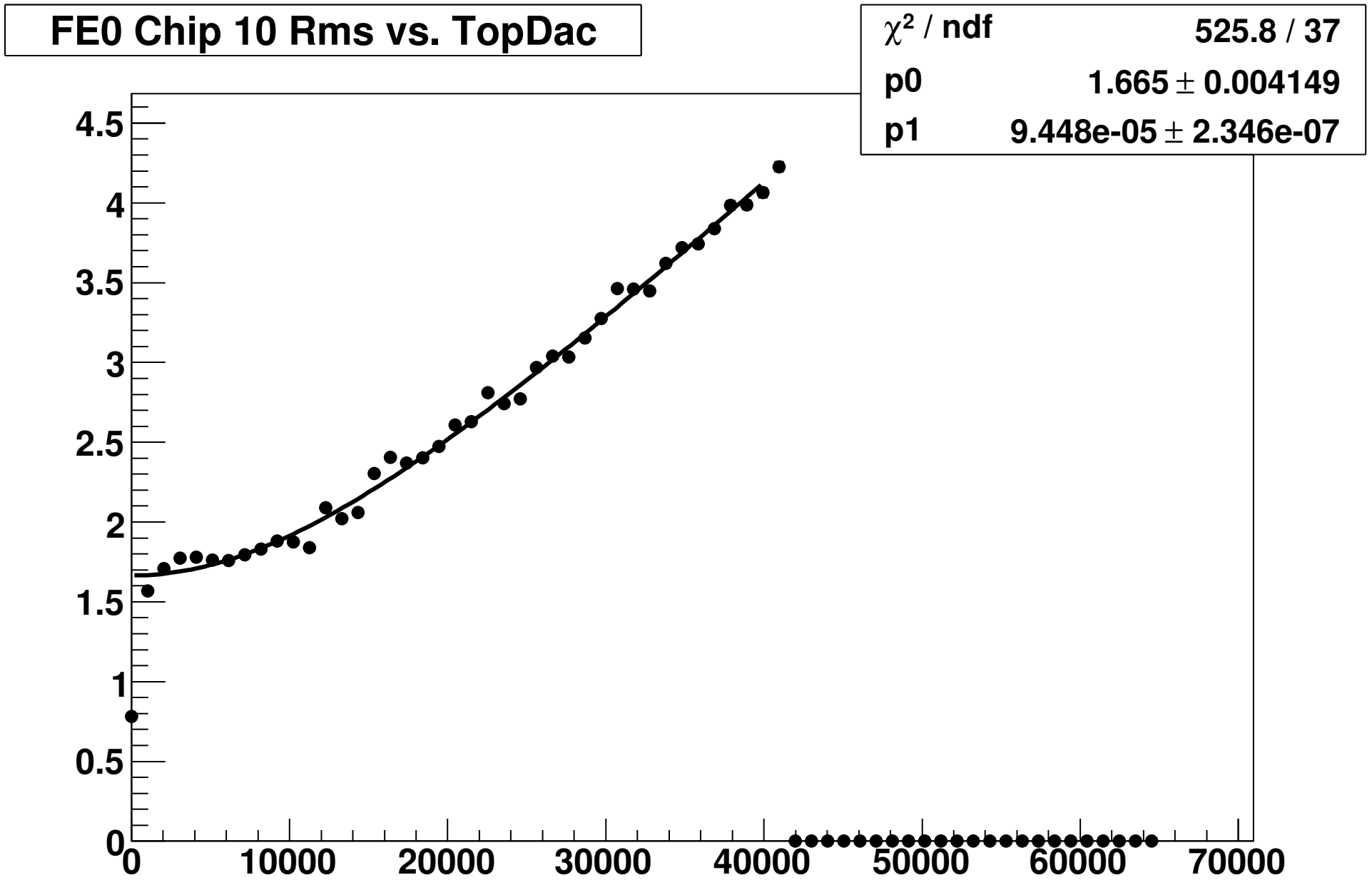
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.369e+07 / 37
p0 -509.3 ± 0.006781
p1 0.8066 ± 3.839e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 525.8 / 37
p0 1.665 ± 0.004149
p1 9.448e-05 ± 2.346e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
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60000
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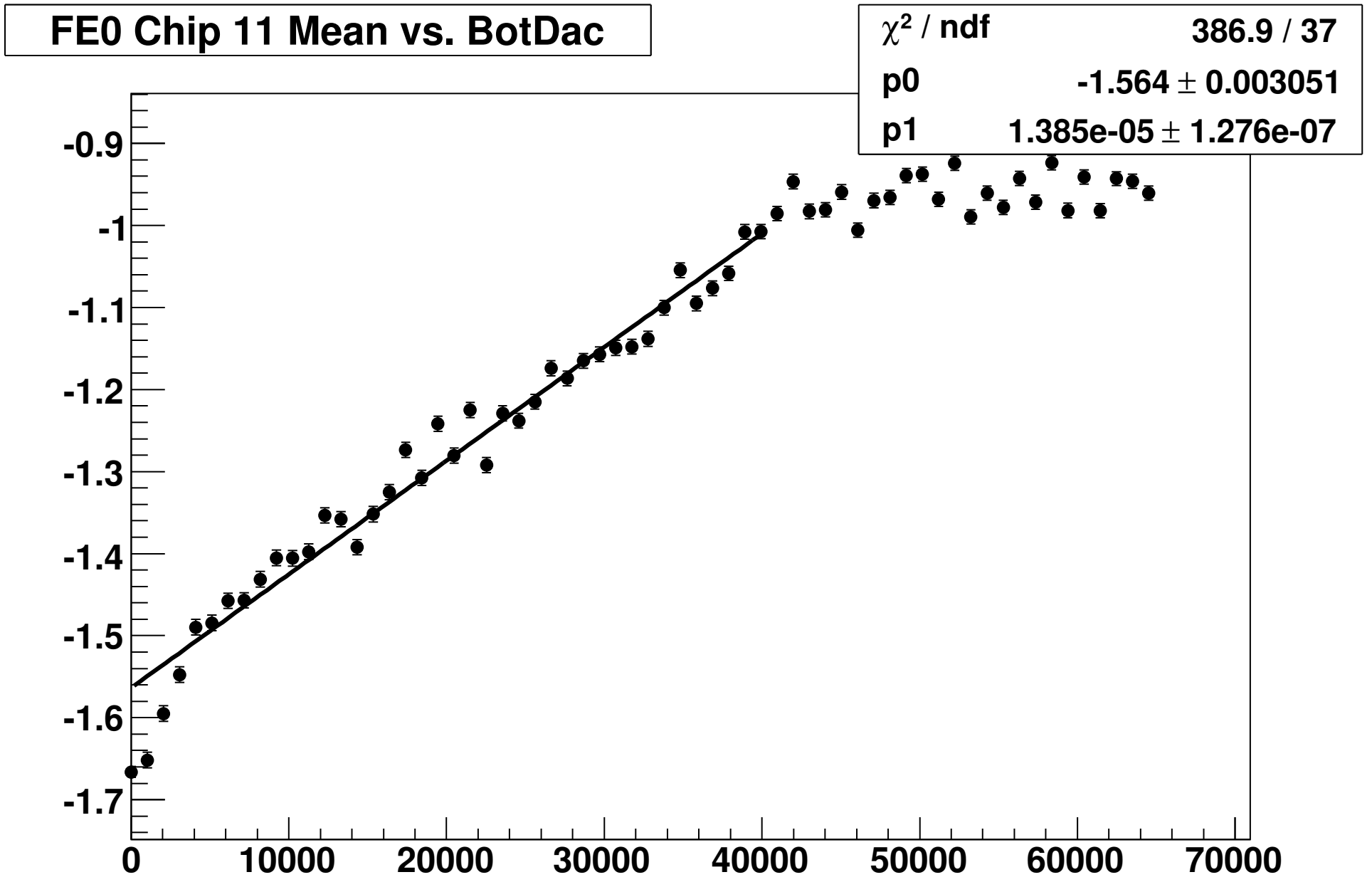
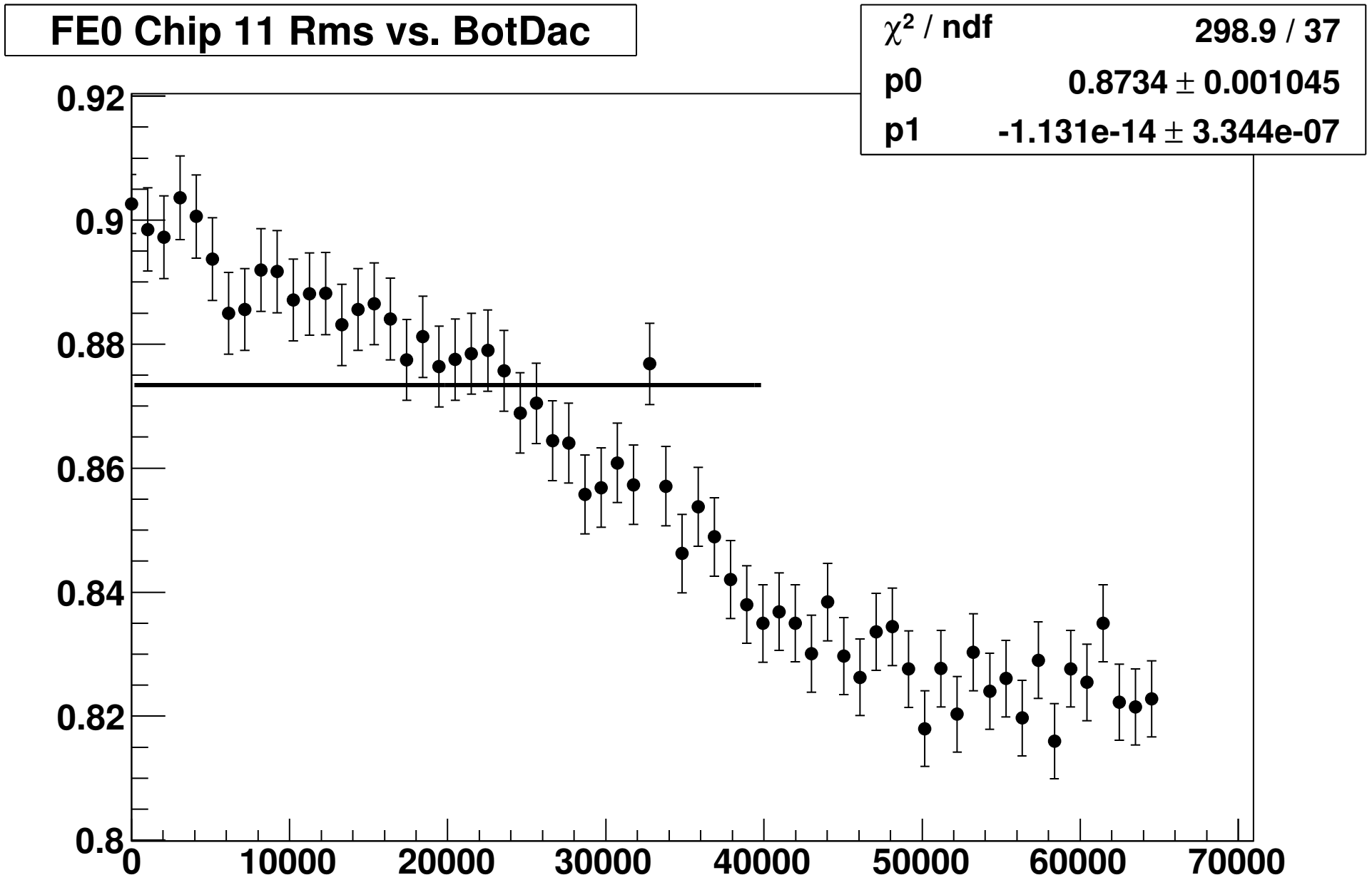

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 386.9 / 37
p0 -1.564 ± 0.003051
p1 1.385e-05 ± 1.276e-07
-0.9
-1
-1.1
-1.2
-1.3
-1.4
-1.5
-1.6
-1.7
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 298.9 / 37
p0 0.8734 ± 0.001045
p1 -1.131e-14 ± 3.344e-07
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0
10000
20000
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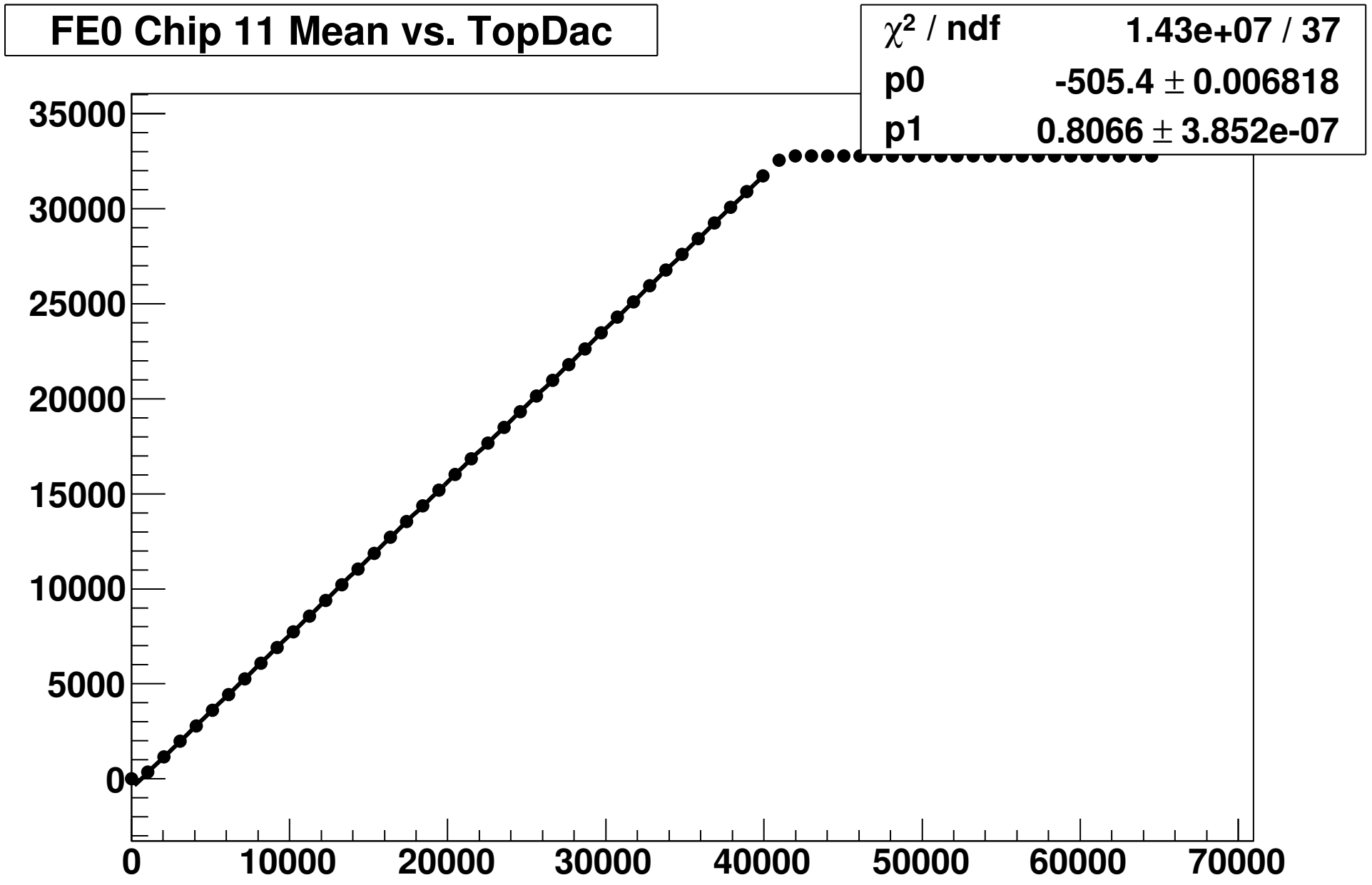
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.43e+07 / 37
p0 -505.4 ± 0.006818
p1 0.8066 ± 3.852e-07
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
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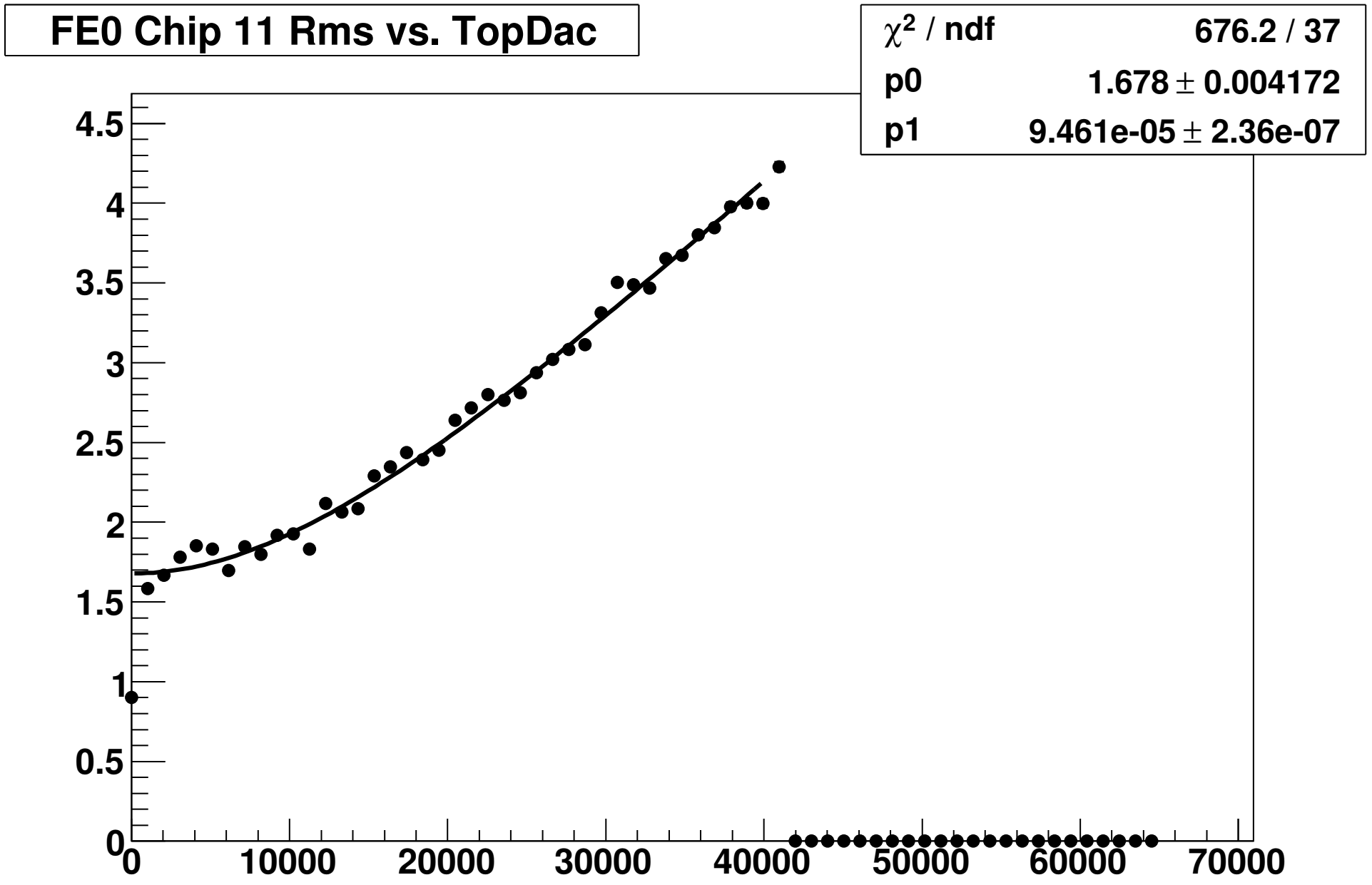
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 676.2 / 37
p0 1.678 ± 0.004172
p1 9.461e-05 ± 2.36e-07
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
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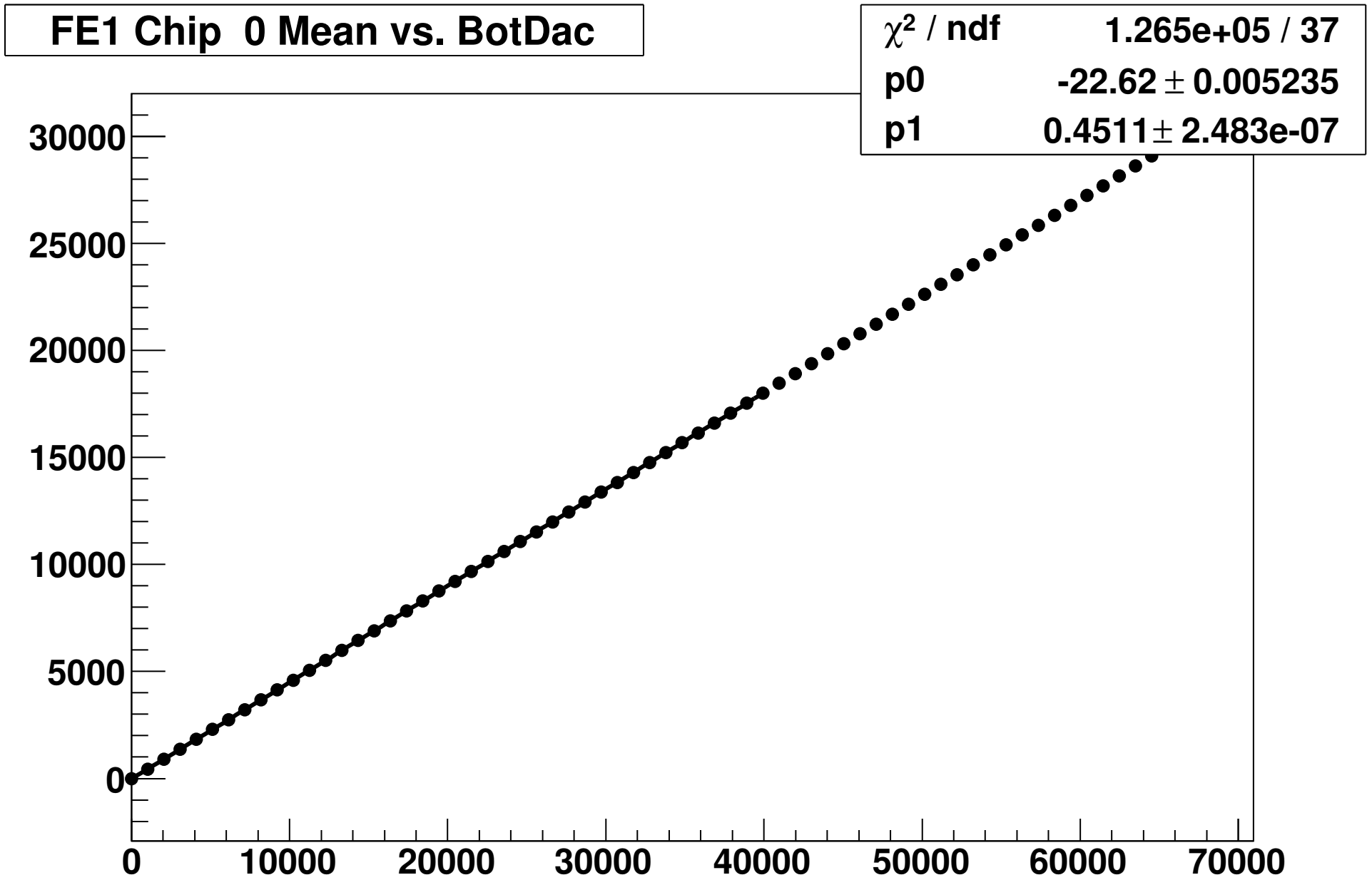
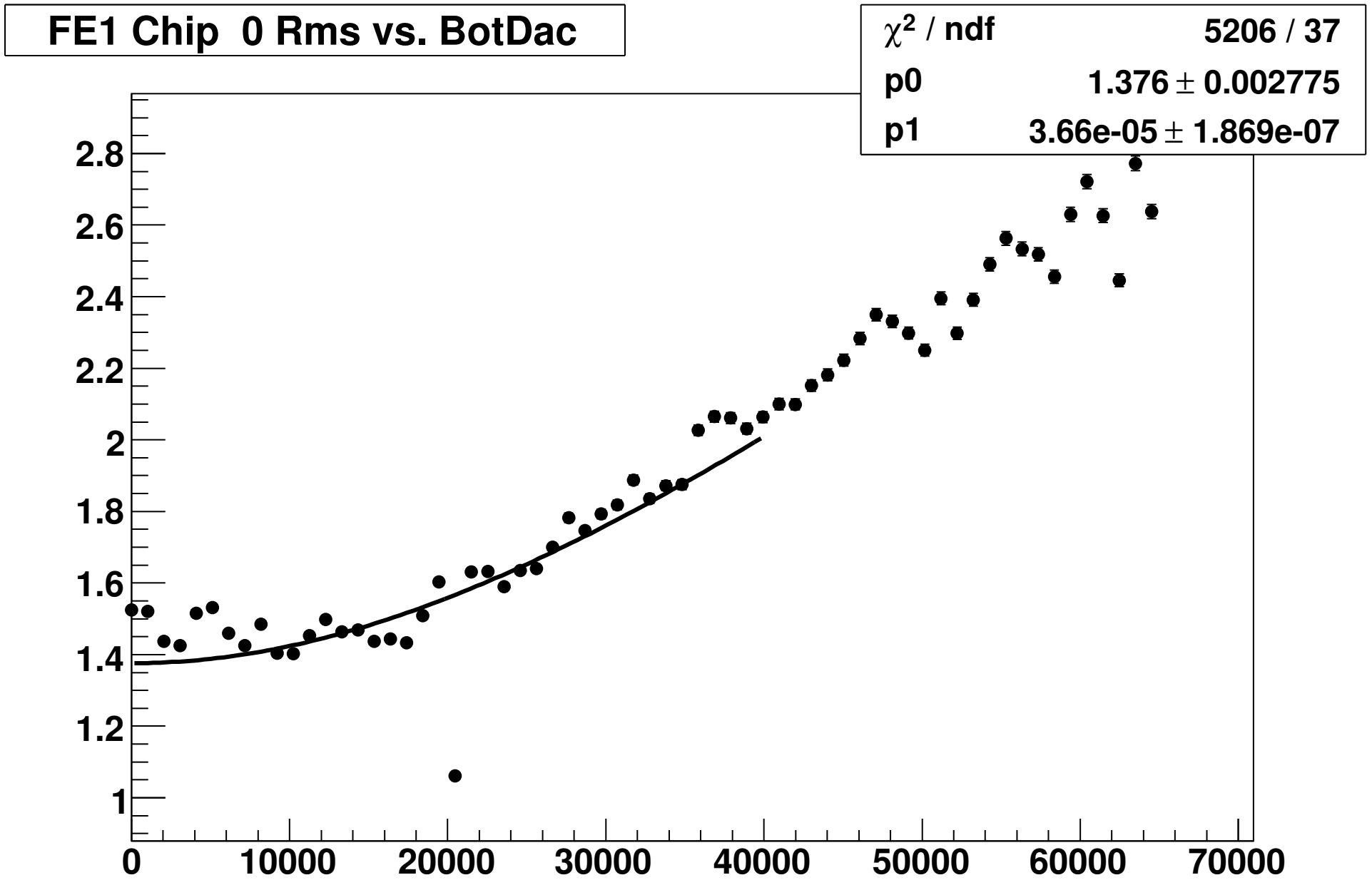
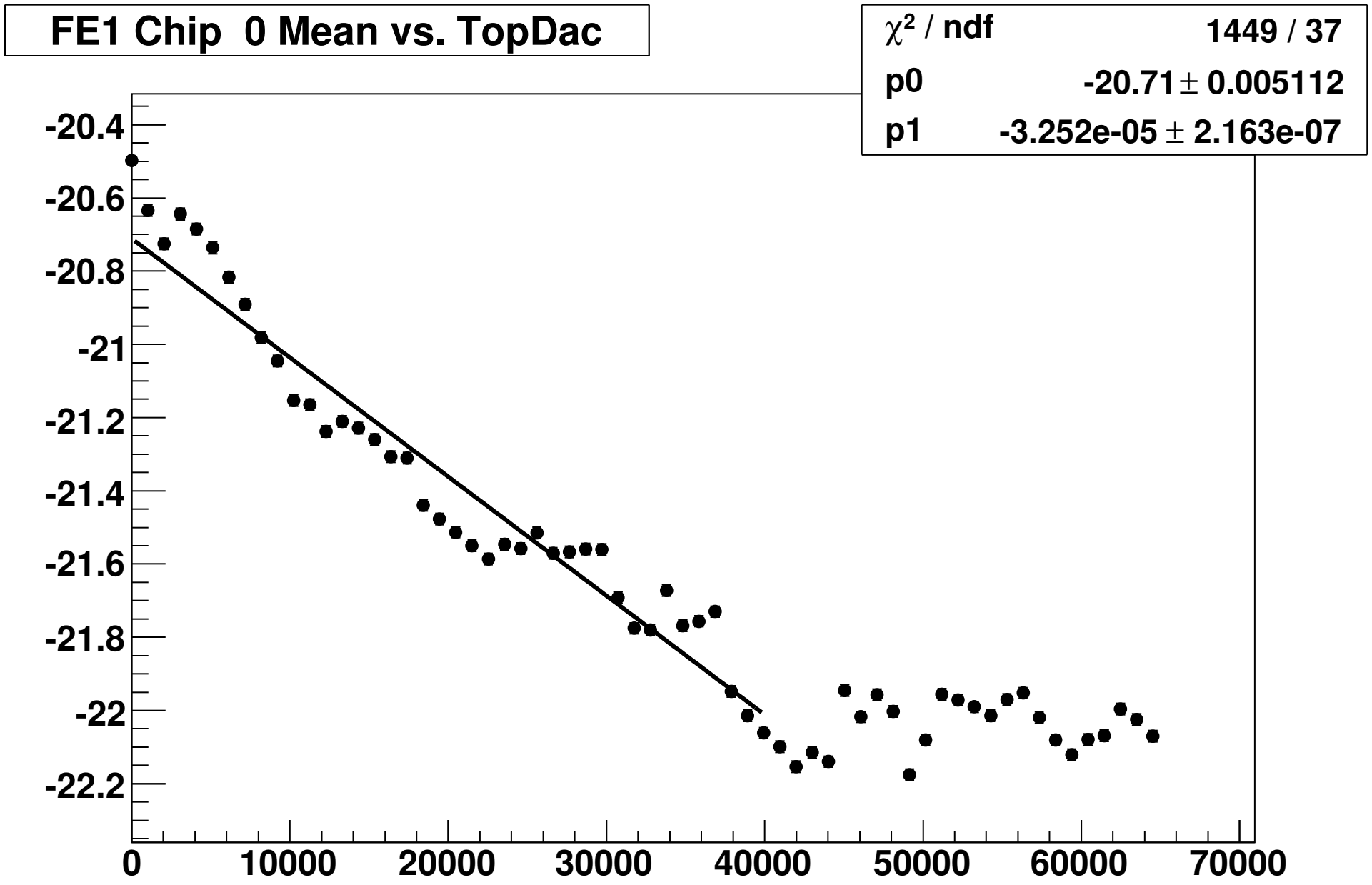
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.265e+05 / 37
p0 -22.62 ± 0.005235
p1 0.4511 ± 2.483e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 5206 / 37
p0 1.376 ± 0.002775
p1 3.66e-05 ± 1.869e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 1449 / 37
p0 -20.71 ± 0.005112
p1 -3.252e-05 ± 2.163e-07
-20.4
-20.6
-20.8
-21
-21.2
-21.4
-21.6
-21.8
-22
-22.2
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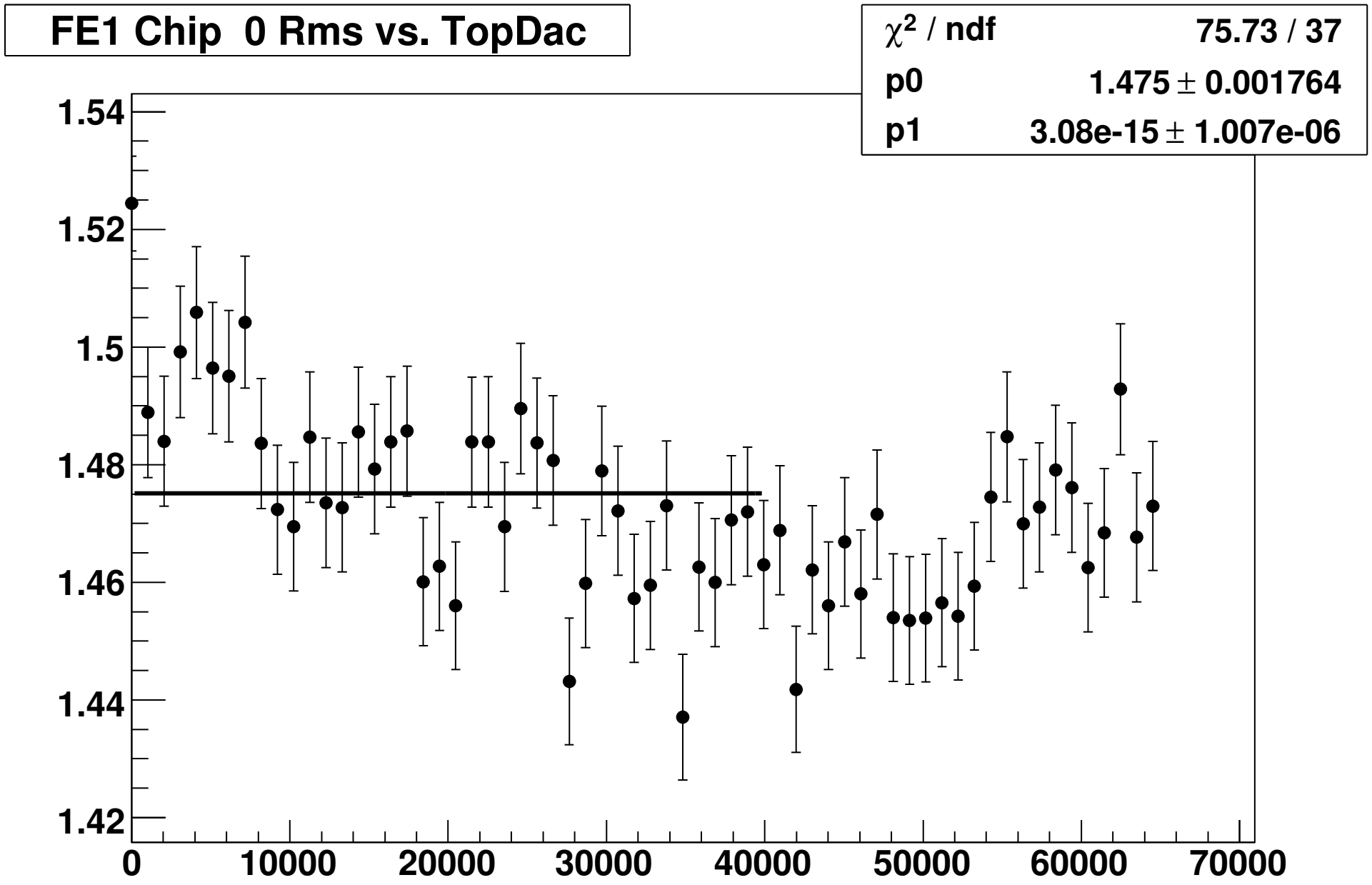
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 75.73 / 37
p0 1.475 ± 0.001764
p1 3.08e-15 ± 1.007e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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50000
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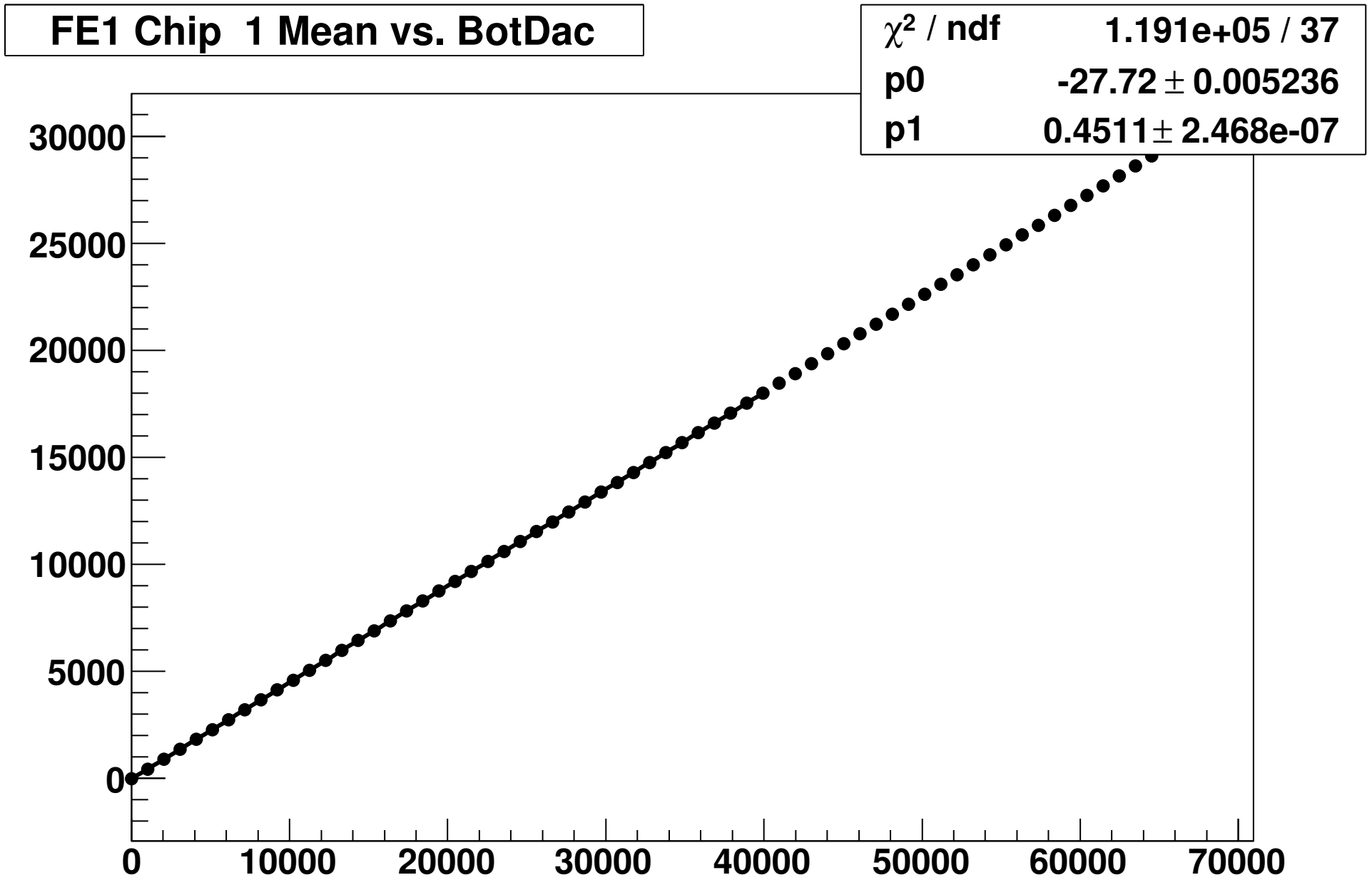
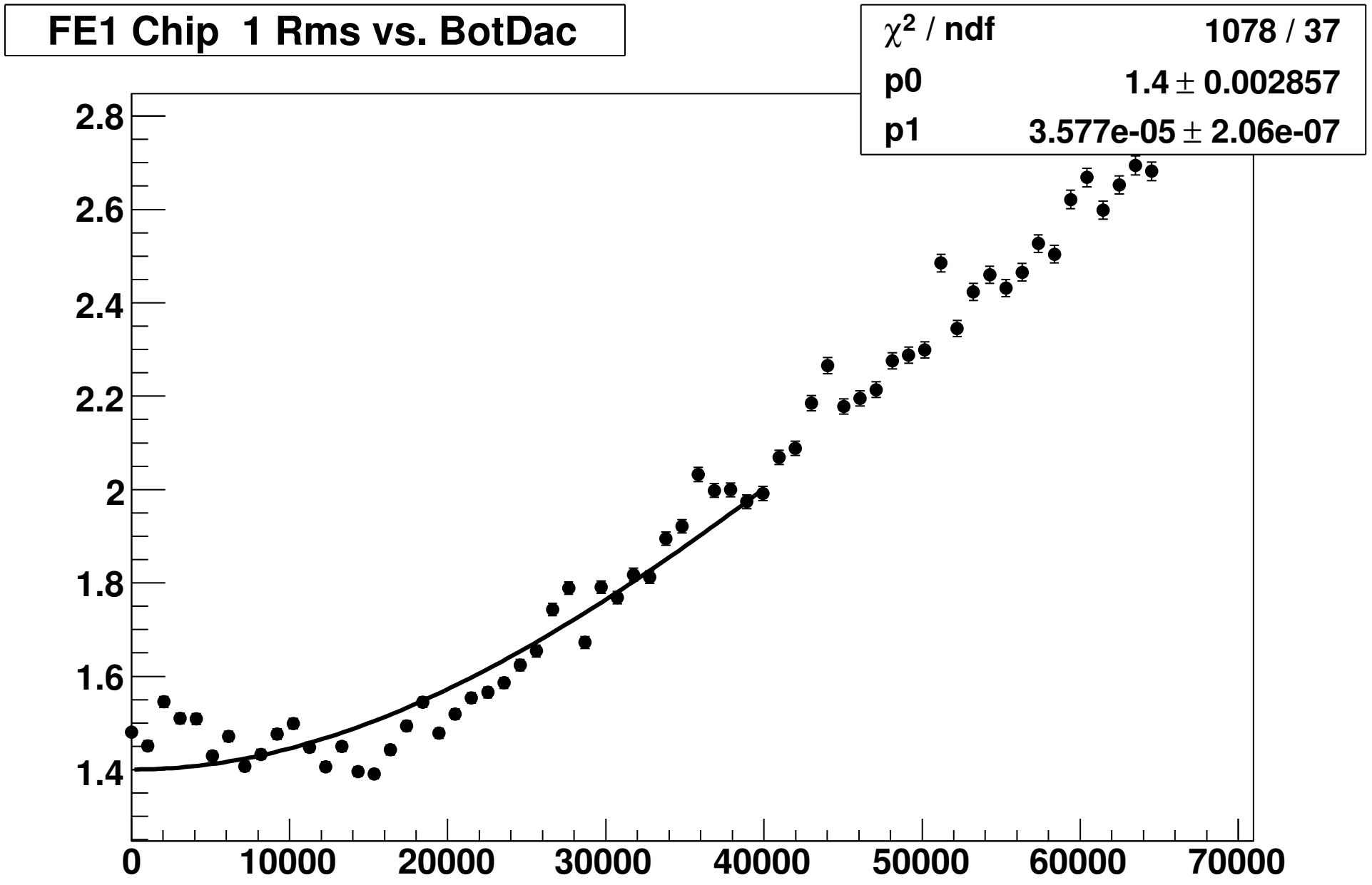
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 1.191e+05 / 37
p0 -27.72 ± 0.005236
p1 0.4511 ± 2.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 1078 / 37
p0 1.4 ± 0.002857
p1 3.577e-05 ± 2.06e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
50000
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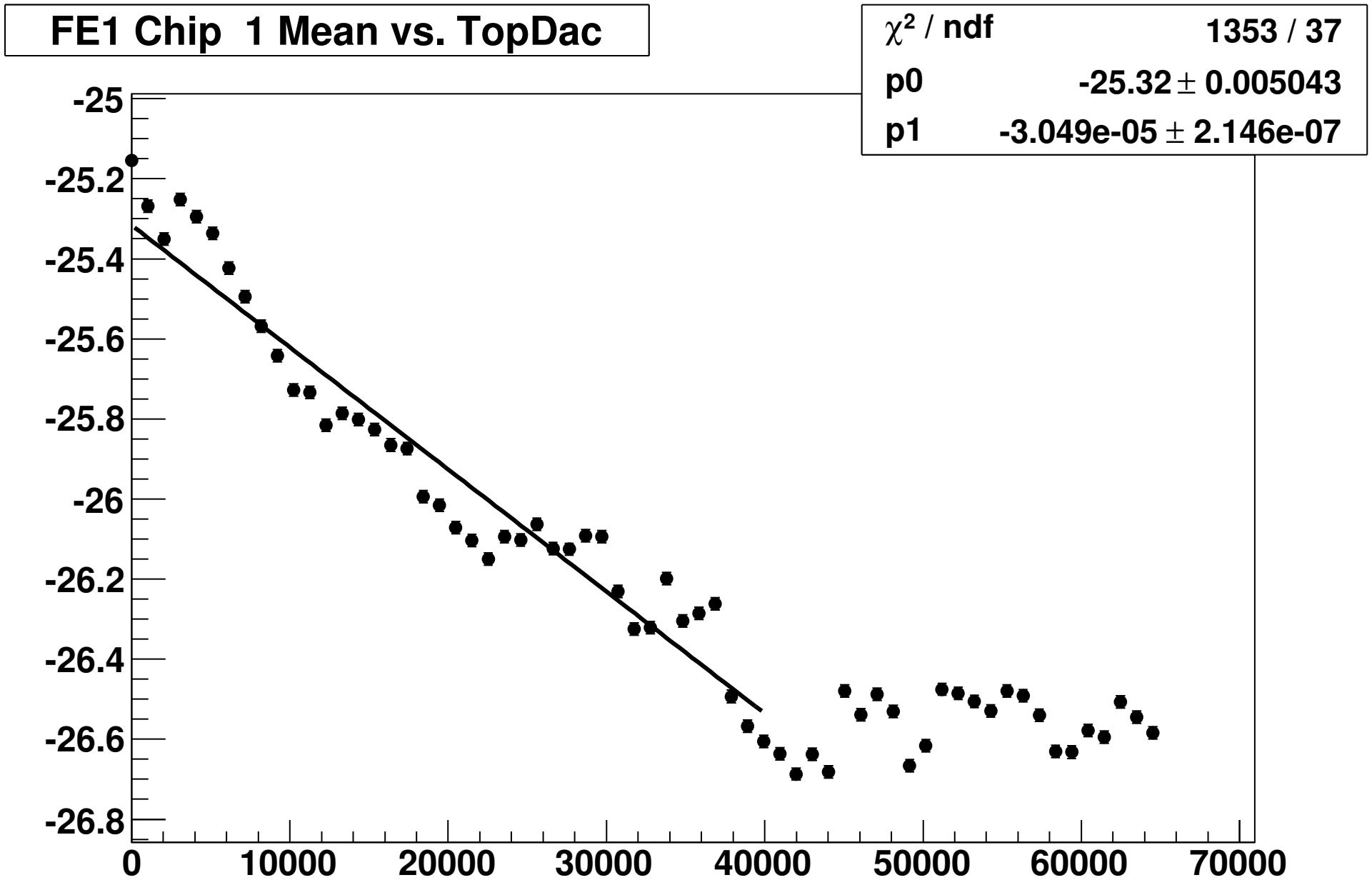
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 1353 / 37
p0 -25.32 ± 0.005043
p1 -3.049e-05 ± 2.146e-07
-25
-25.2
-25.4
-25.6
-25.8
-26
-26.2
-26.4
-26.6
-26.8
0
10000
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30000
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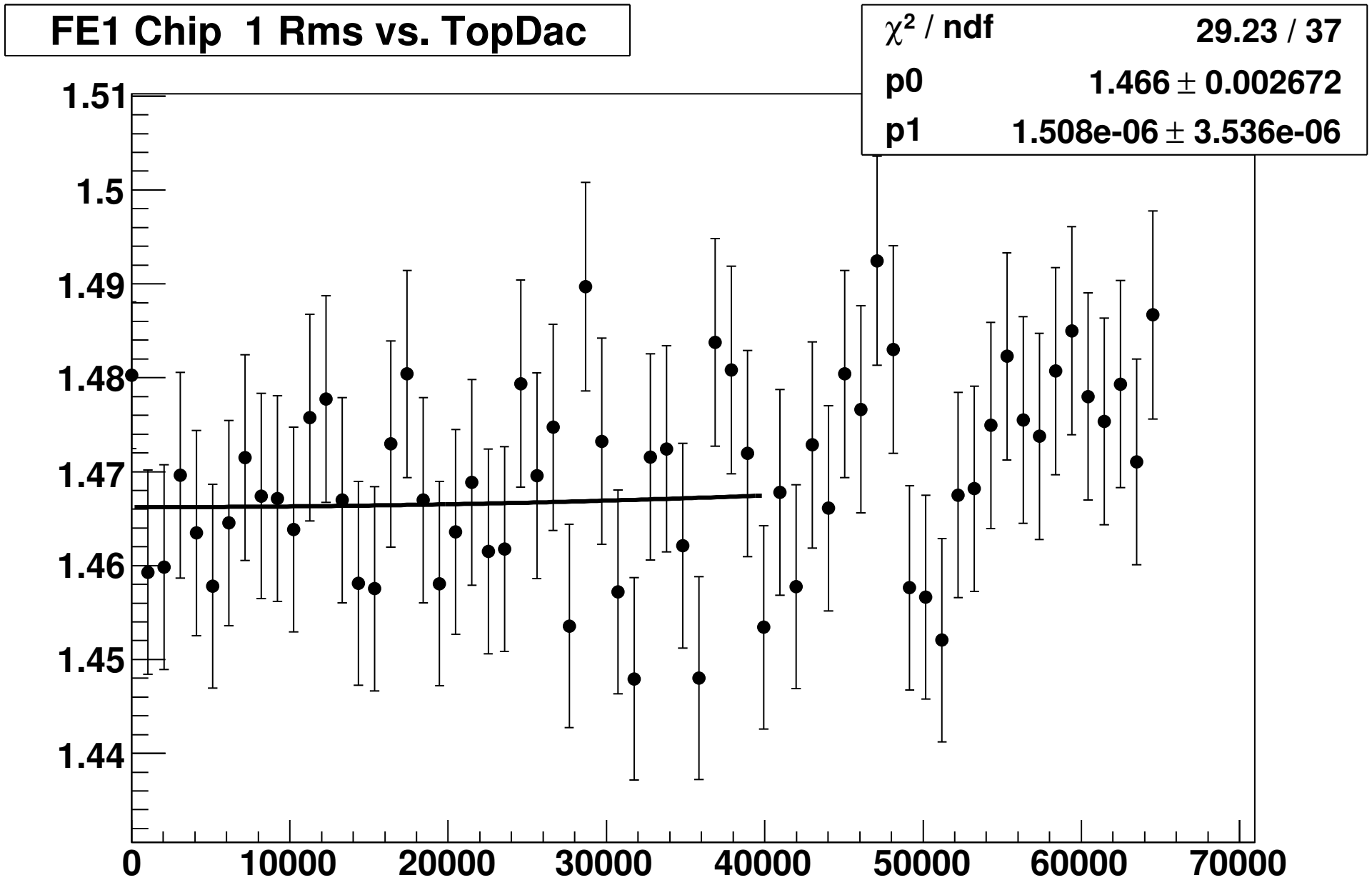
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 29.23 / 37
p0 1.466 ± 0.002672
p1 1.508e-06 ± 3.536e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
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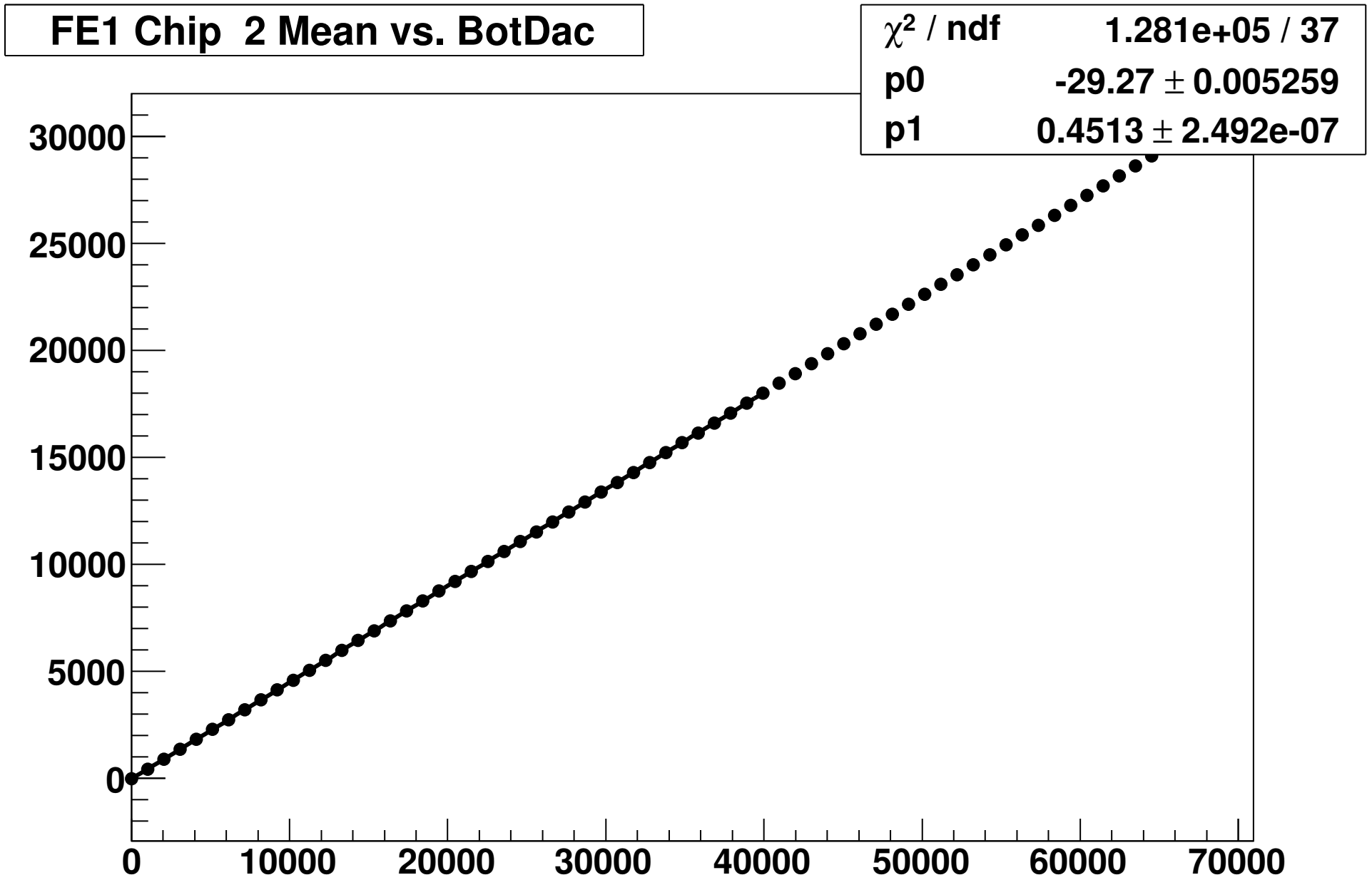
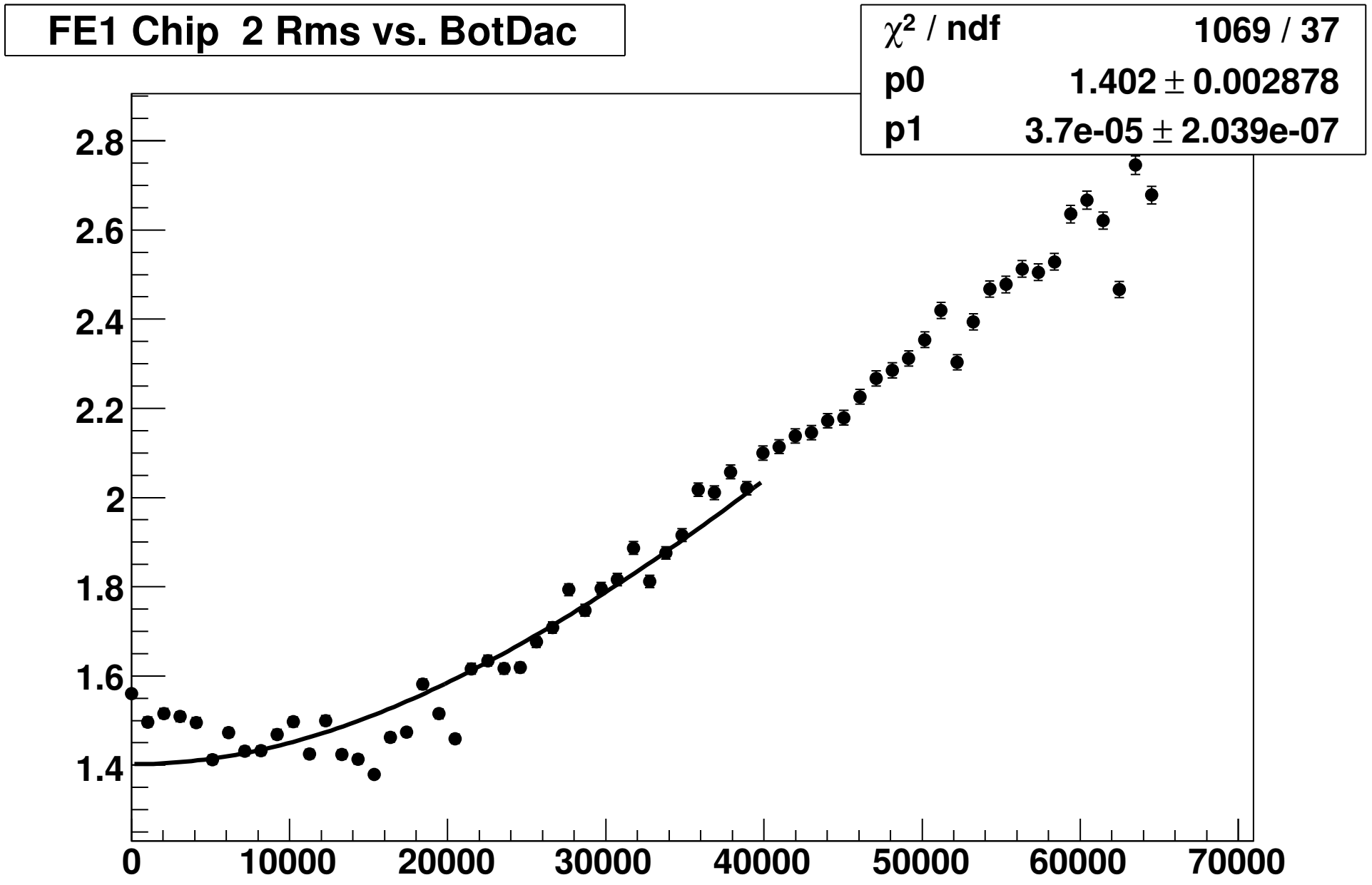
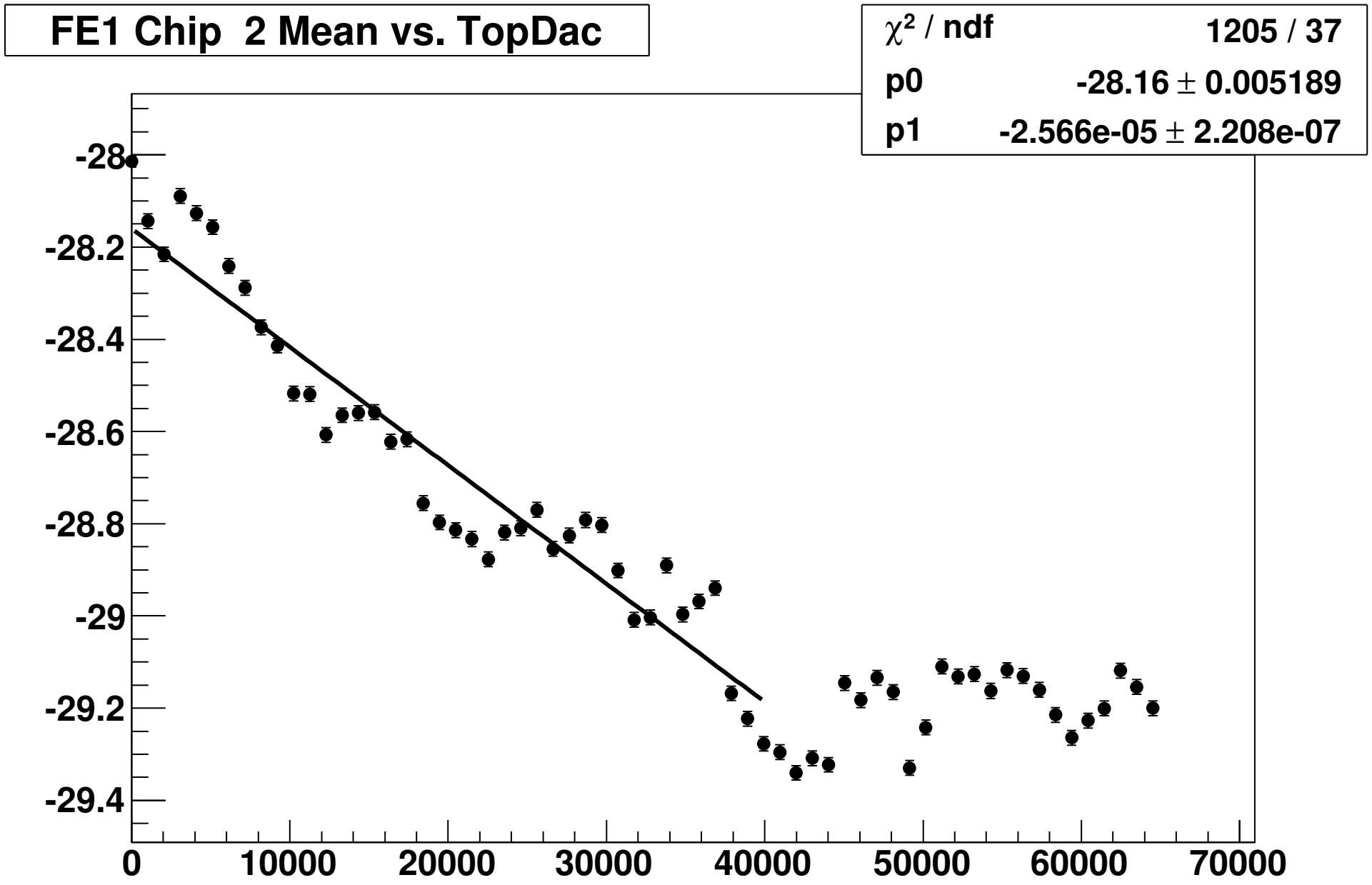
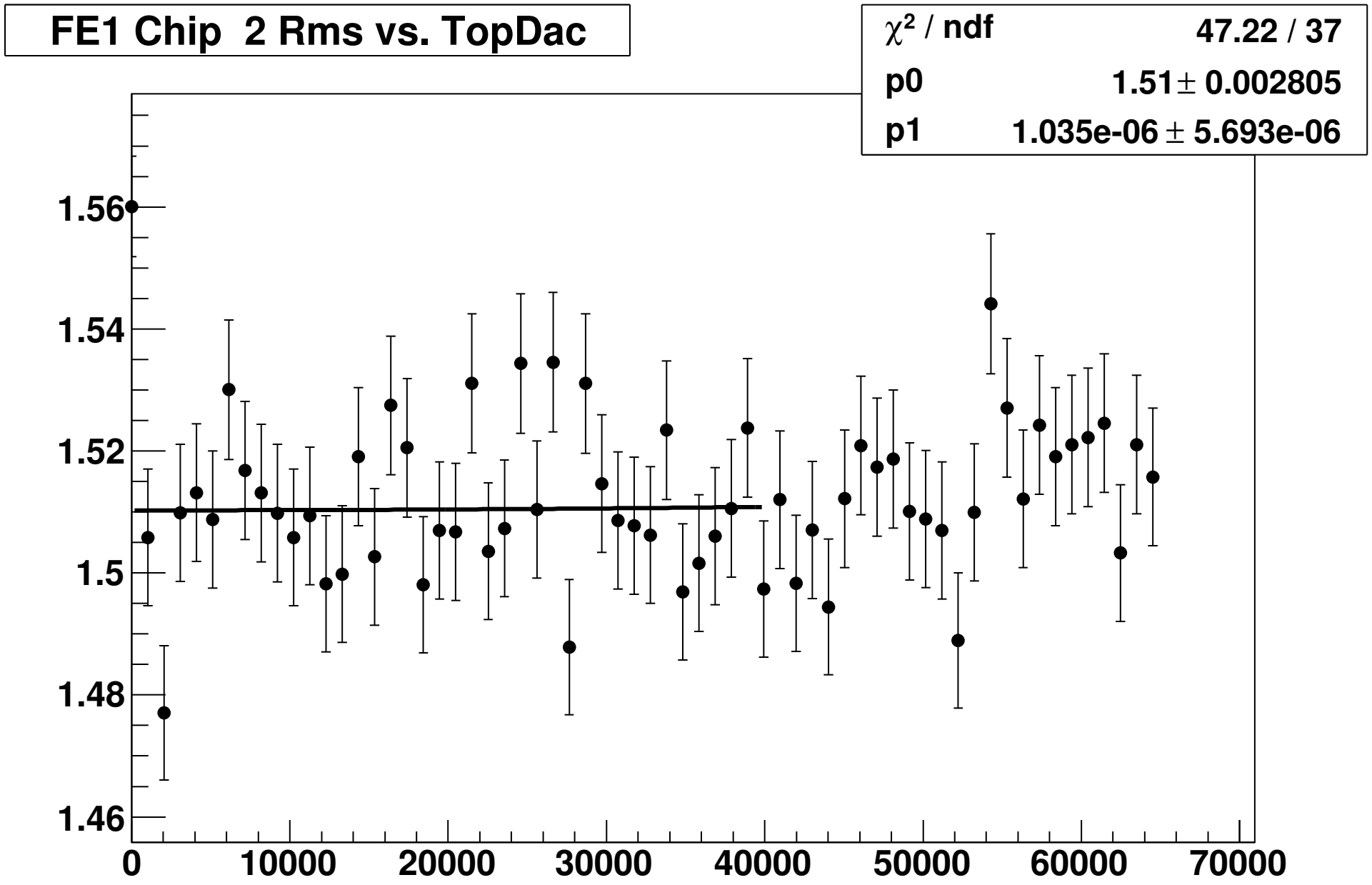
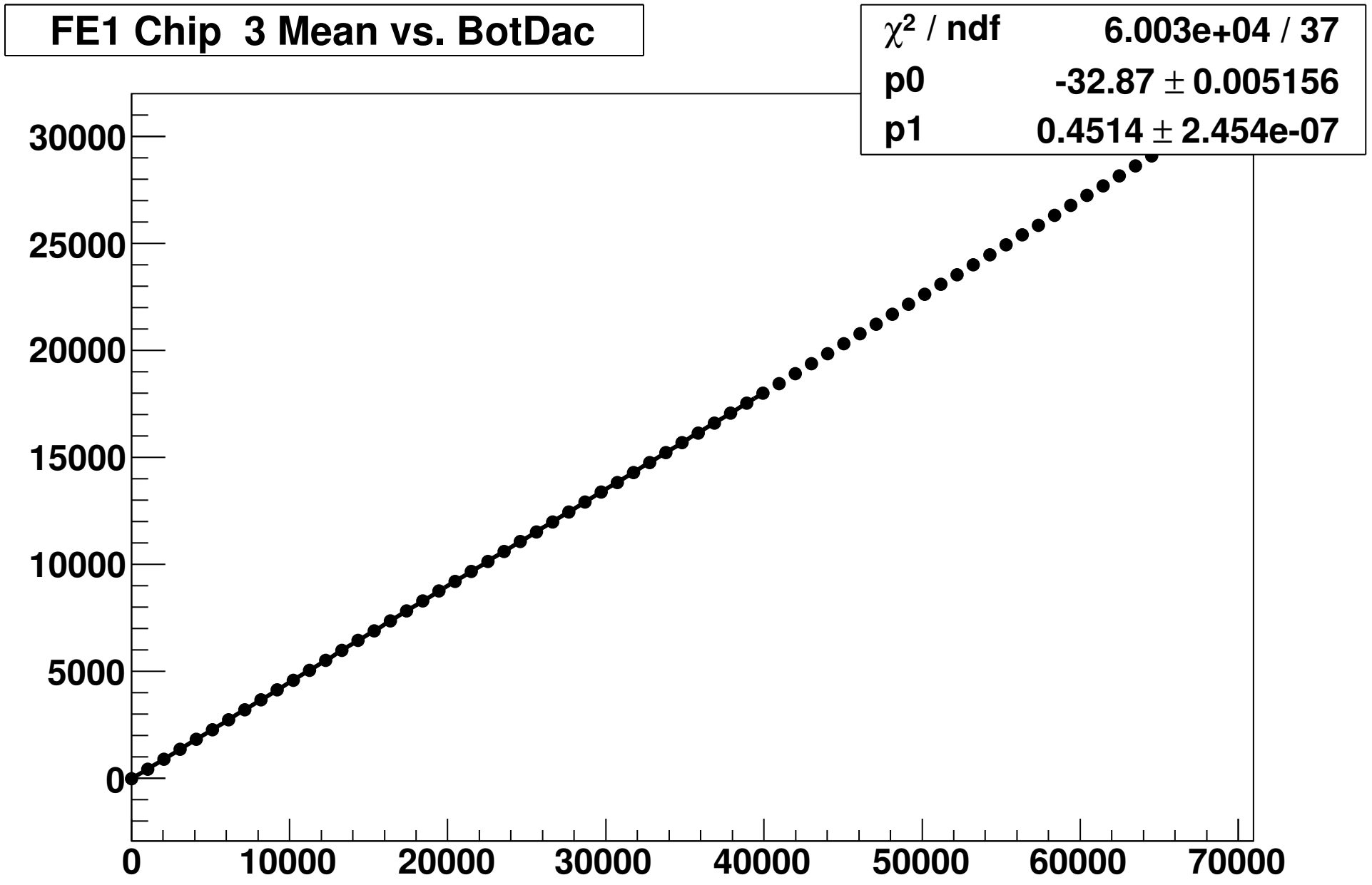
50000
60000
70000

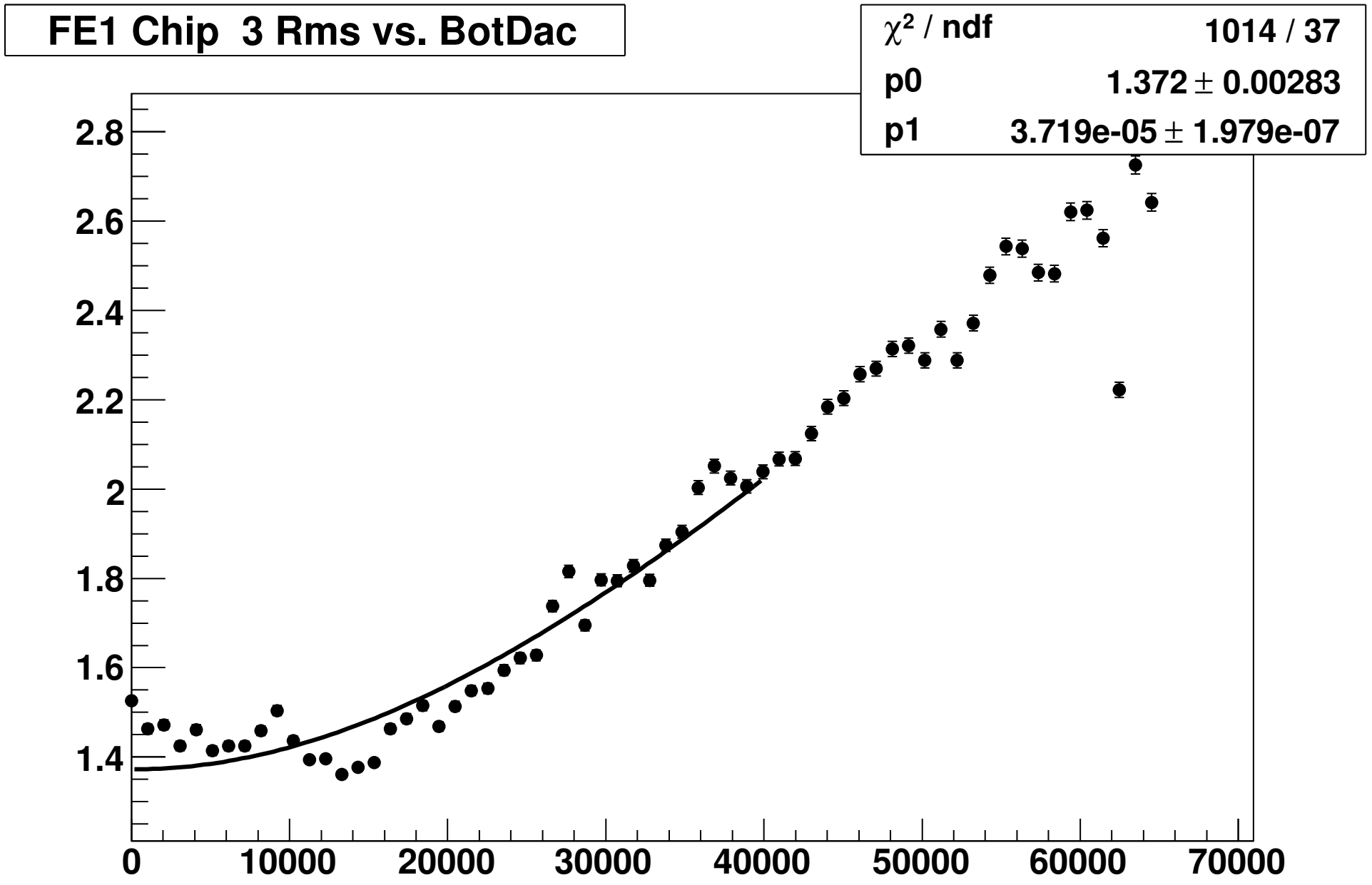

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.281e+05 / 37
p0 -29.27 ± 0.005259
p1 0.4513 ± 2.492e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1069 / 37
p0 1.402 ± 0.002878
p1 3.7e-05 ± 2.039e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 1205 / 37
p0 -28.16 ± 0.005189
p1 -2.566e-05 ± 2.208e-07
-28
-28.2
-28.4
-28.6
-28.8
-29
-29.2
-29.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 47.22 / 37
p0 1.51 ± 0.002805
p1 1.035e-06 ± 5.693e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 6.003e+04 / 37
p0 -32.87 ± 0.005156
p1 0.4514 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 1014 / 37
p0 1.372 ± 0.00283
p1 3.719e-05 ± 1.979e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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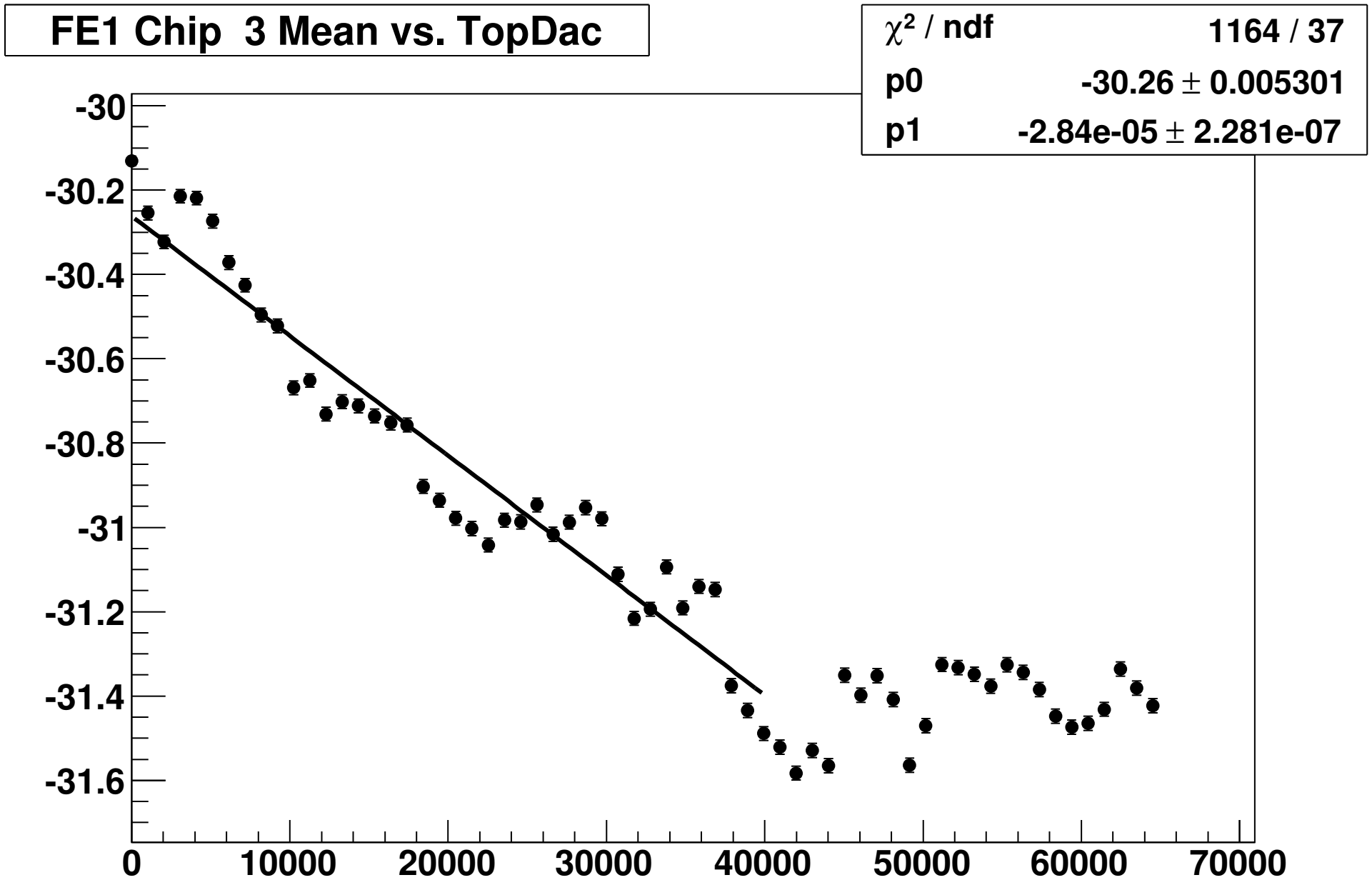
FE1 Chip 3 Mean vs. TopDac
χ² / ndf 1164 / 37
p0 -30.26 ± 0.005301
p1 -2.84e-05 ± 2.281e-07
-30
-30.2
-30.4
-30.6
-30.8
-31
-31.2
-31.4
-31.6
0
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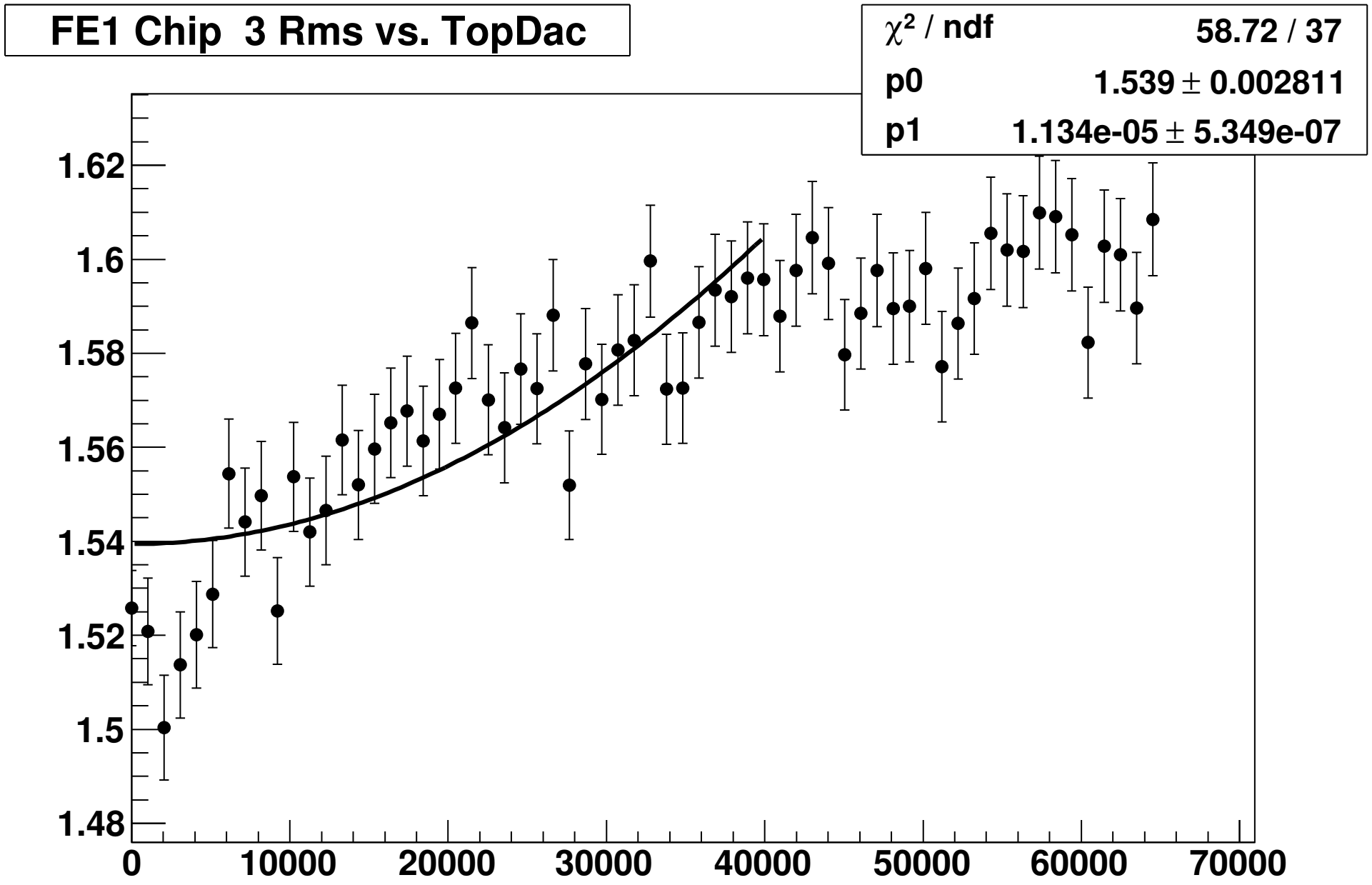
FE1 Chip 3 Rms vs. TopDac
χ² / ndf 58.72 / 37
p0 1.539 ± 0.002811
p1 1.134e-05 ± 5.349e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
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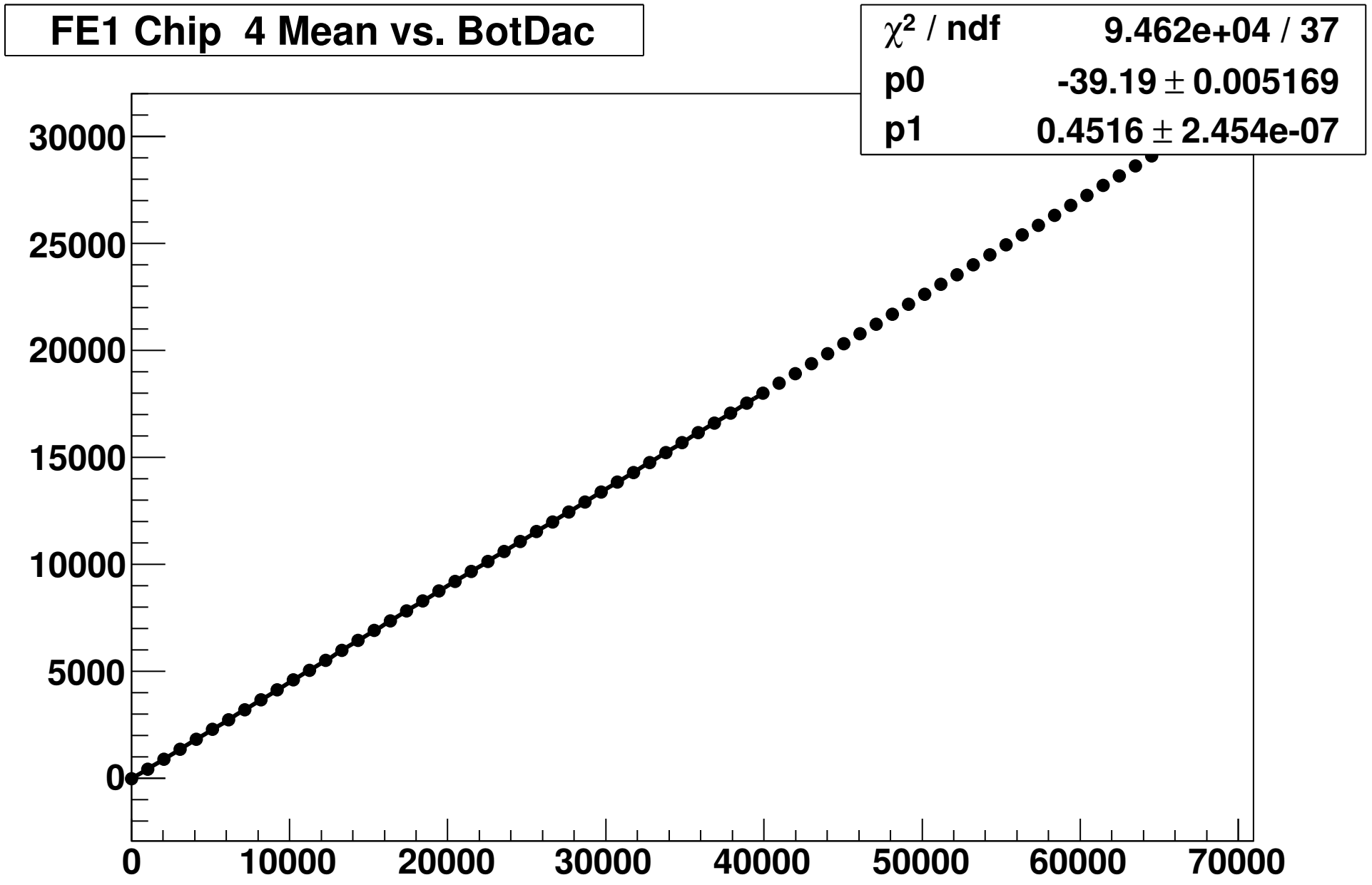
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 9.462e+04 / 37
p0 -39.19 ± 0.005169
p1 0.4516 ± 2.454e-07
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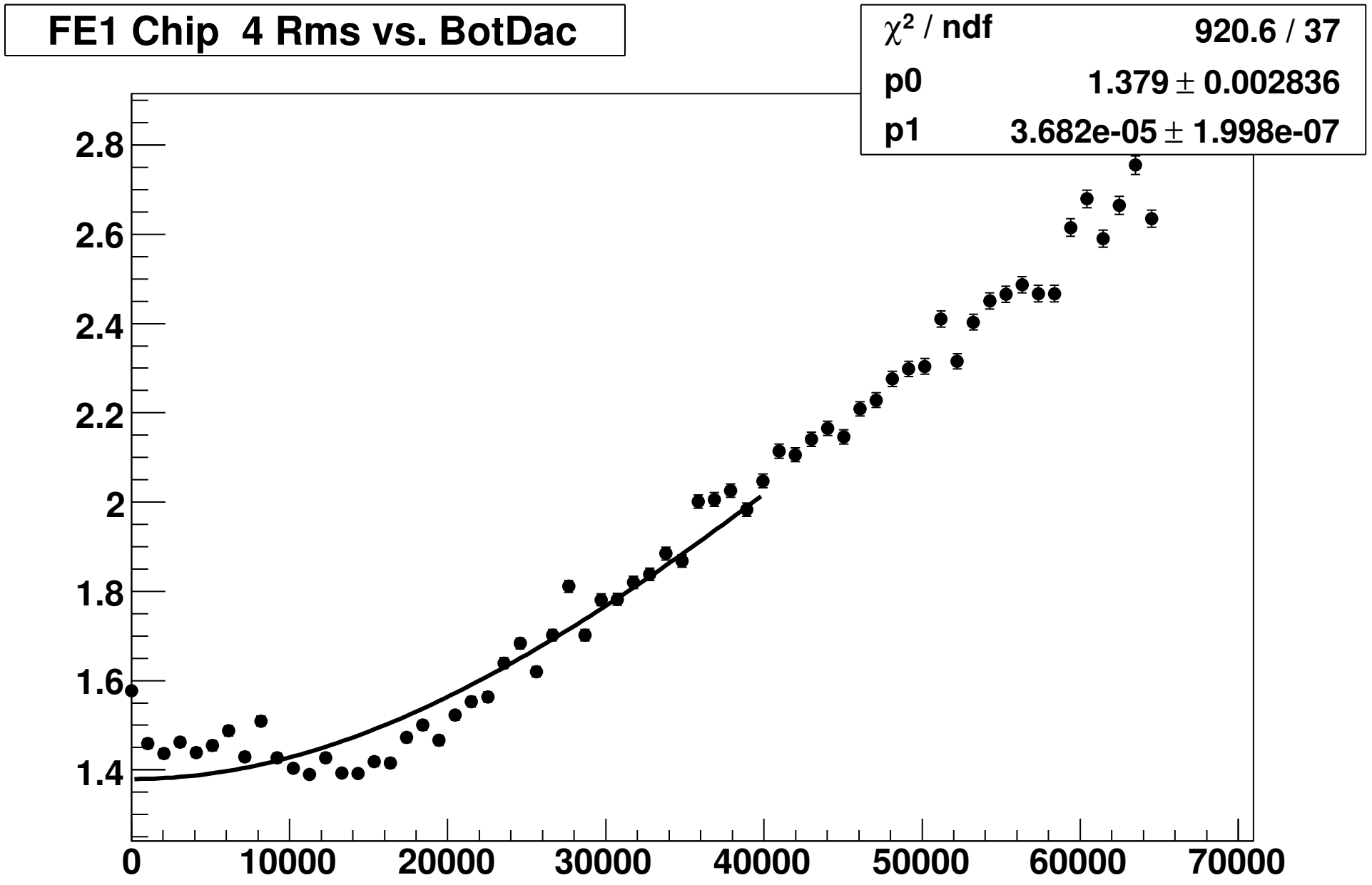
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 920.6 / 37
p0 1.379 ± 0.002836
p1 3.682e-05 ± 1.998e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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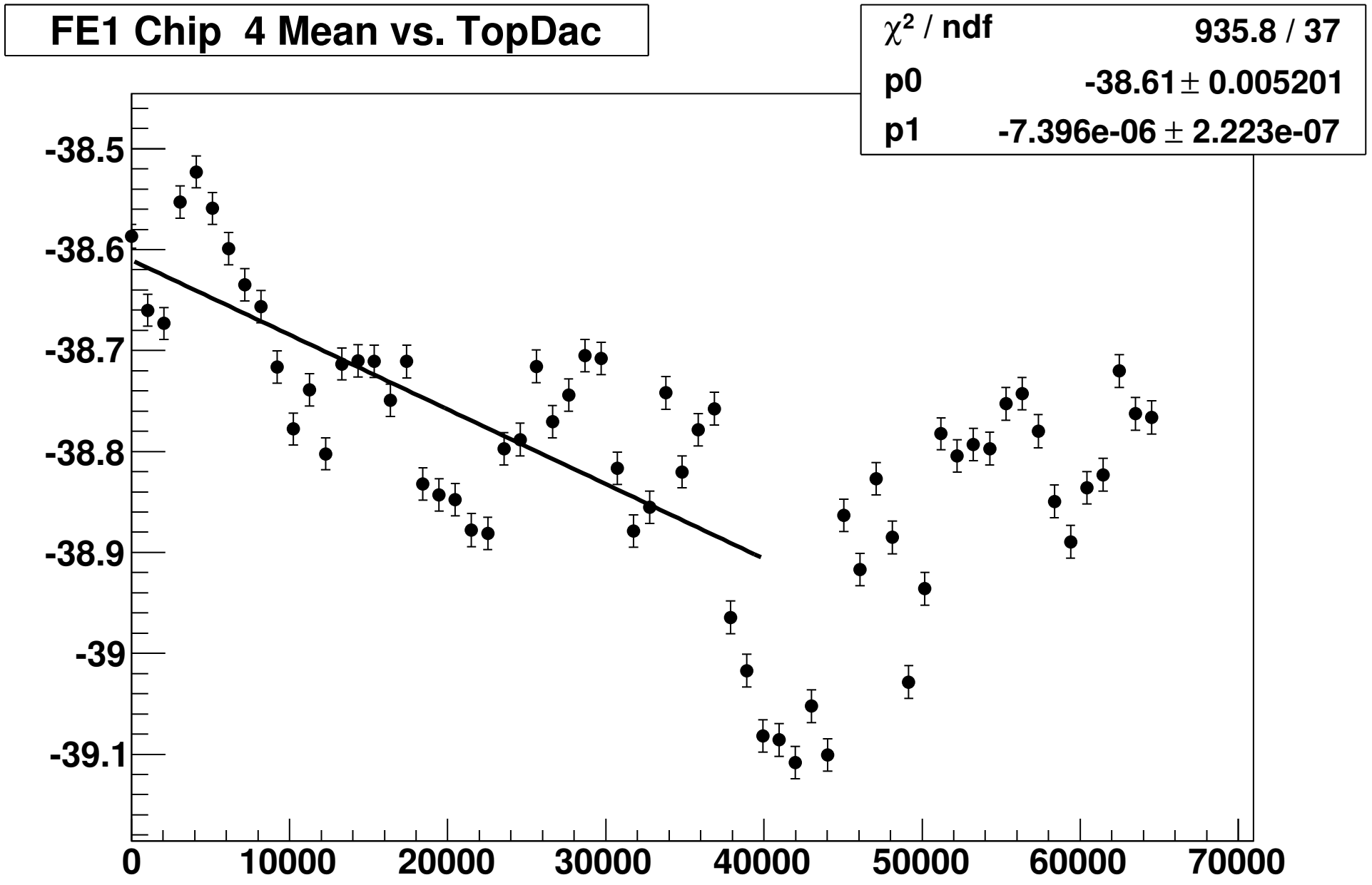
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 935.8 / 37
p0 -38.61 ± 0.005201
p1 -7.396e-06 ± 2.223e-07
-38.5
-38.6
-38.7
-38.8
-38.9
-39
-39.1
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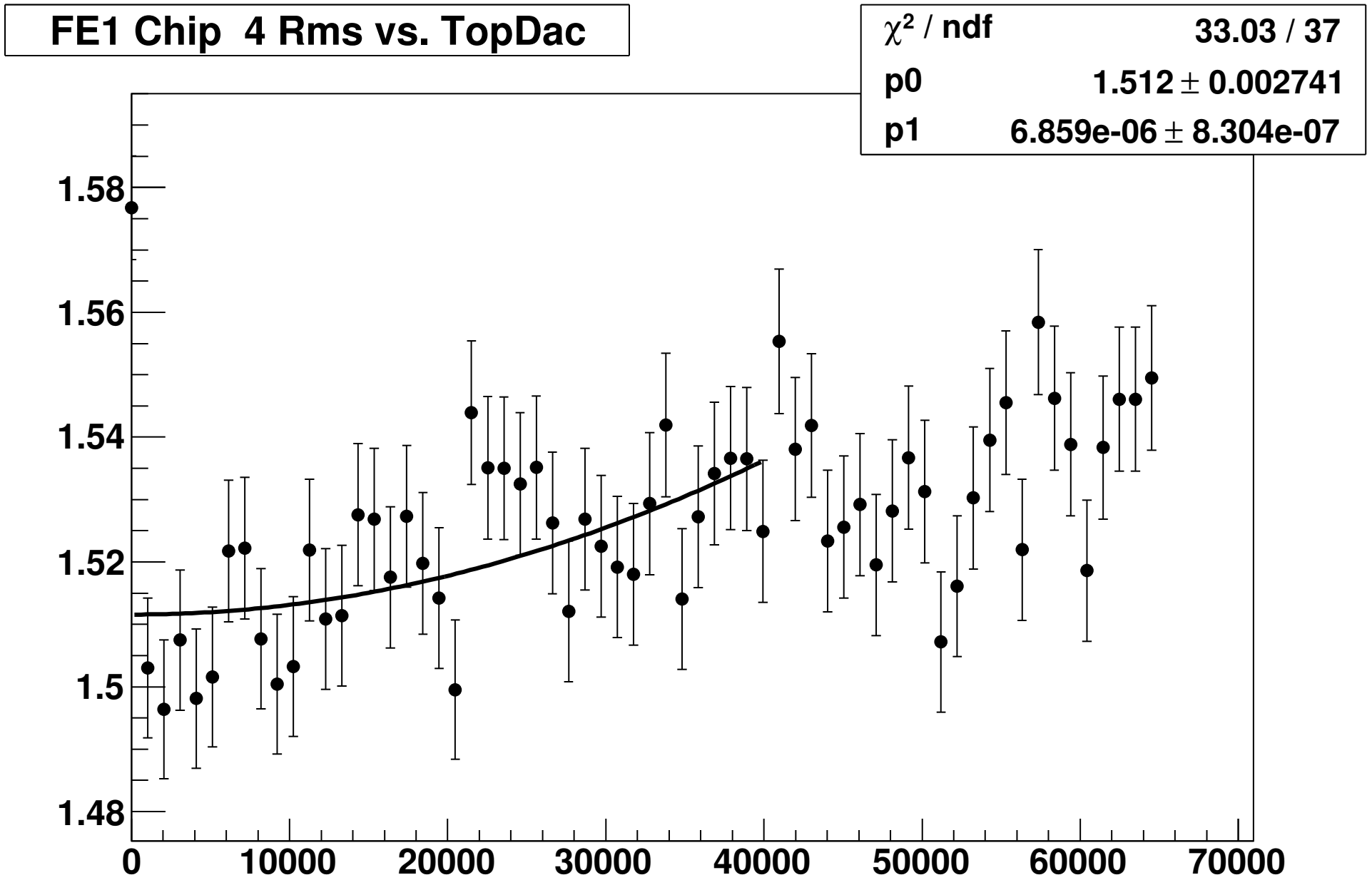
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 33.03 / 37
p0 1.512 ± 0.002741
p1 6.859e-06 ± 8.304e-07
1.58
1.56
1.54
1.52
1.5
1.48
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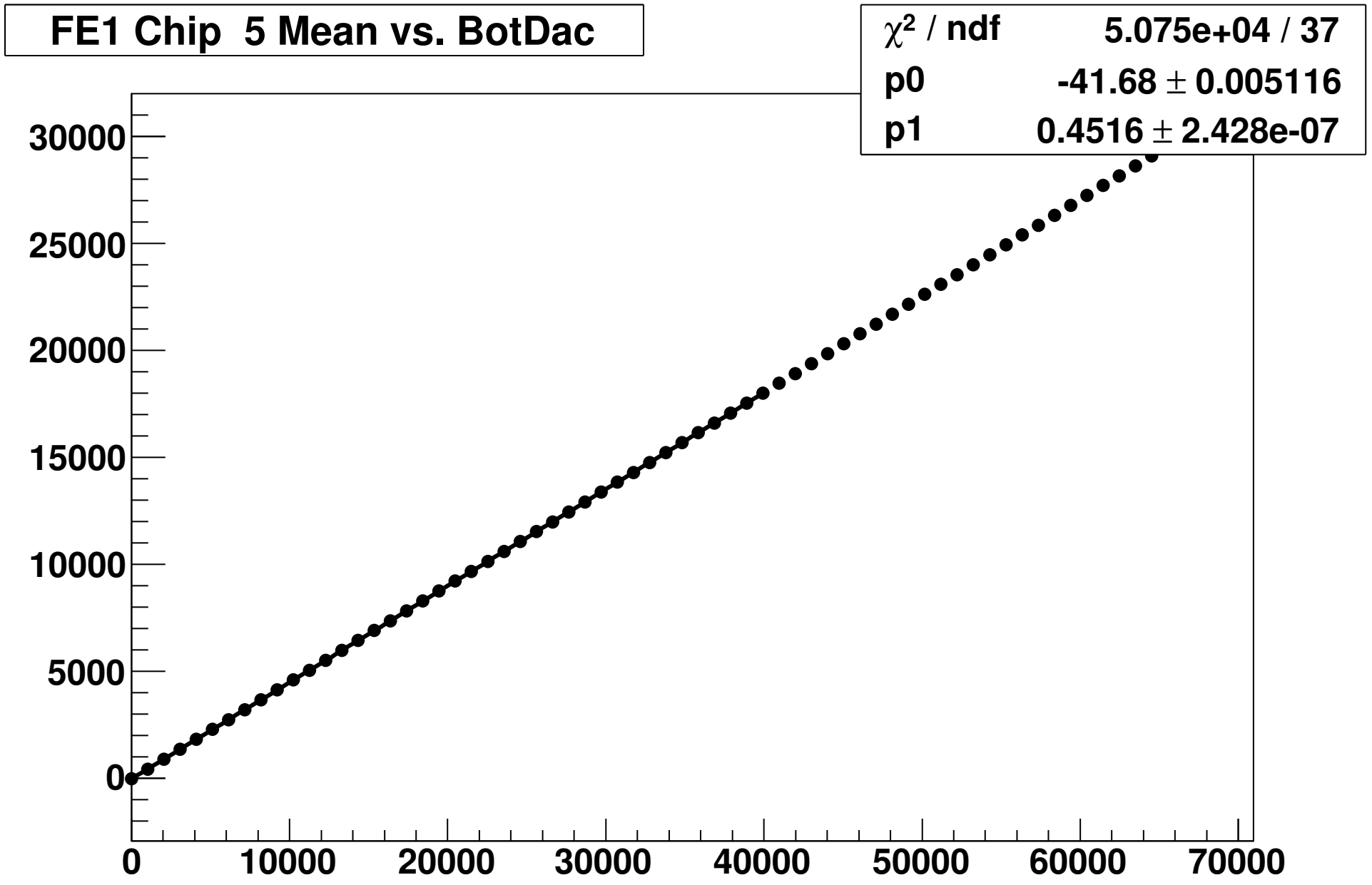
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 5.075e+04 / 37
p0 -41.68 ± 0.005116
p1 0.4516 ± 2.428e-07
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10000
5000
0
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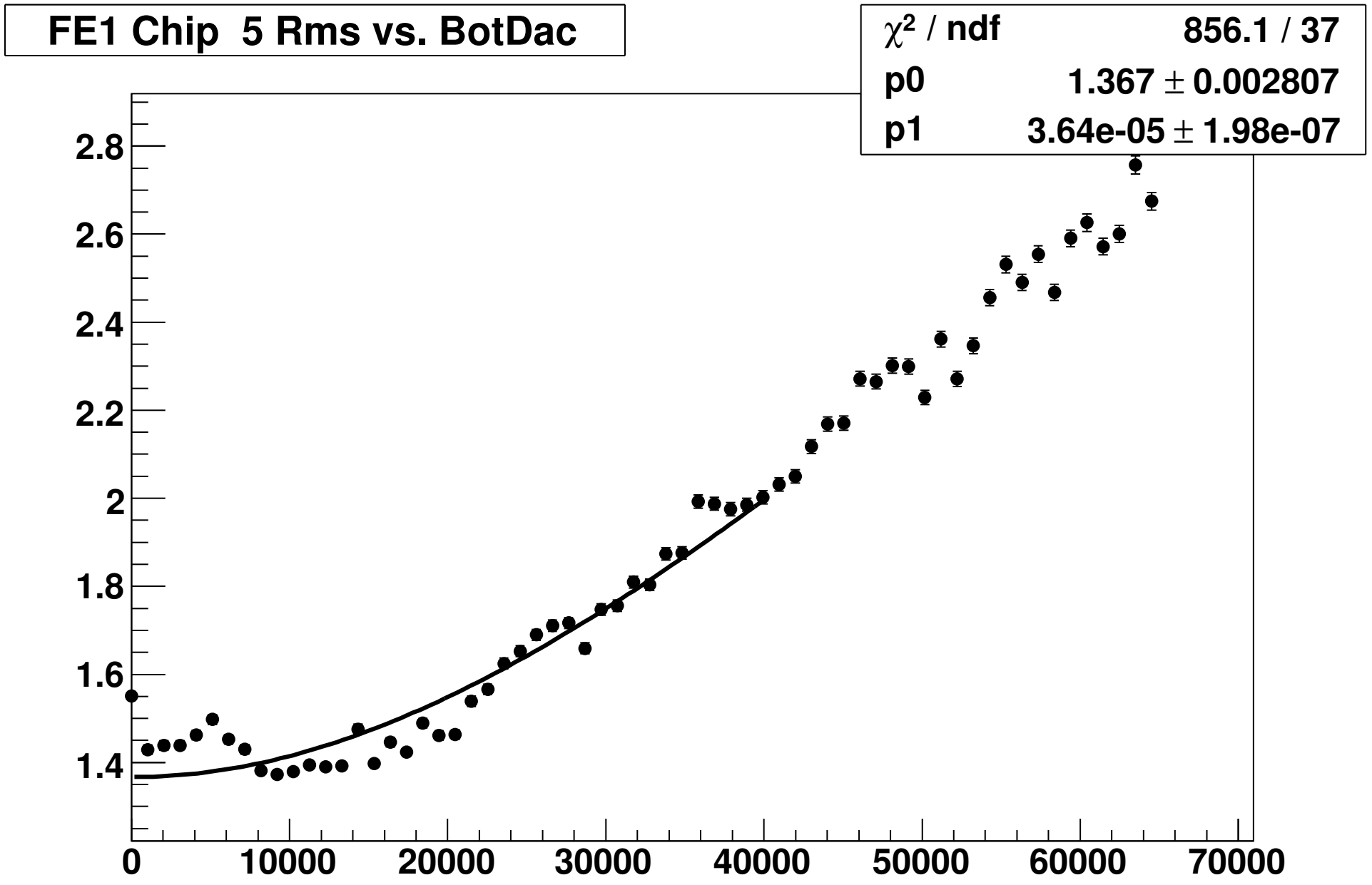
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 856.1 / 37
p0 1.367 ± 0.002807
p1 3.64e-05 ± 1.98e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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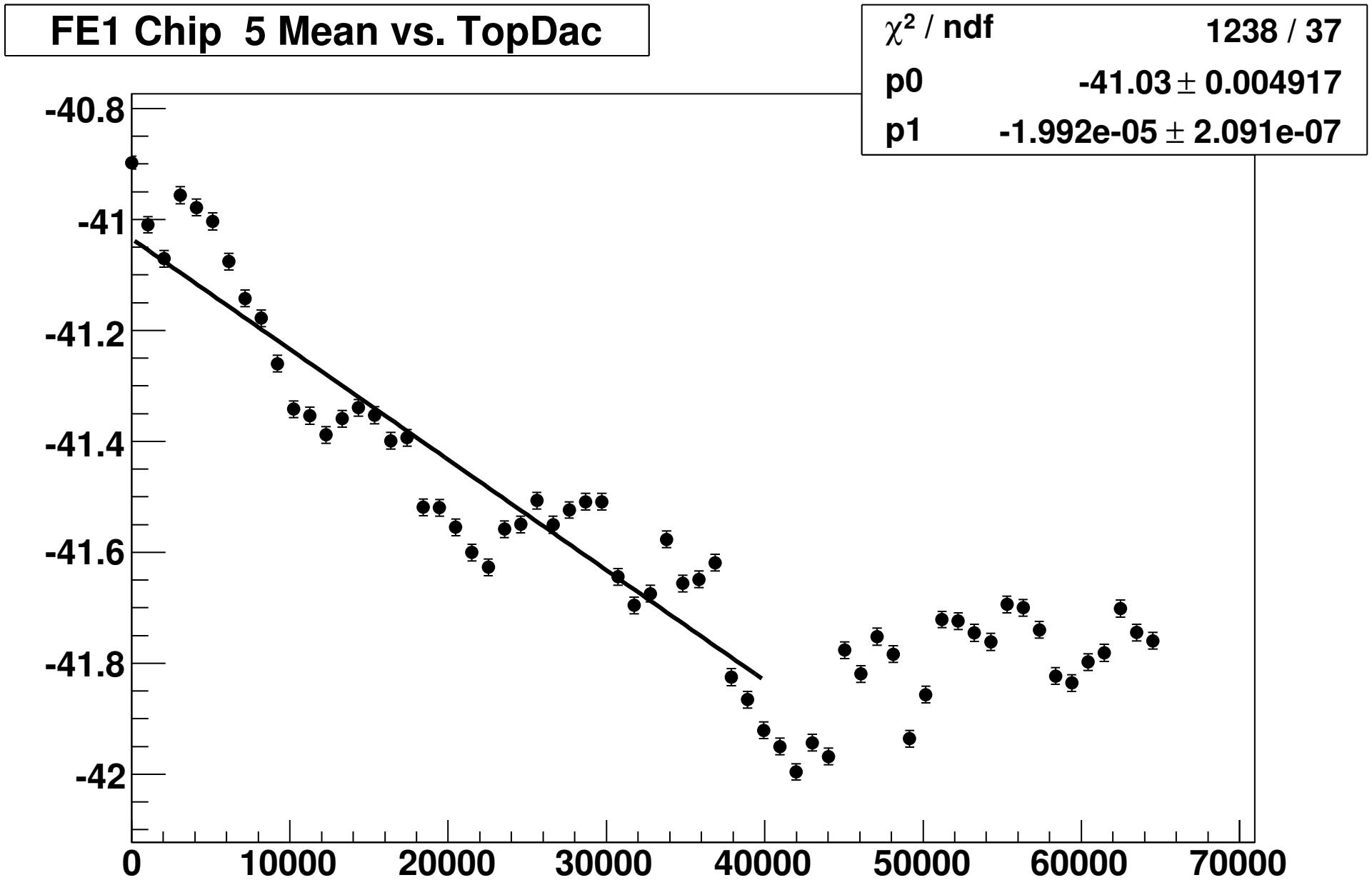
50000
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 1238 / 37
p0 -41.03 ± 0.004917
p1 -1.992e-05 ± 2.091e-07
-40.8
-41
-41.2
-41.4
-41.6
-41.8
-42
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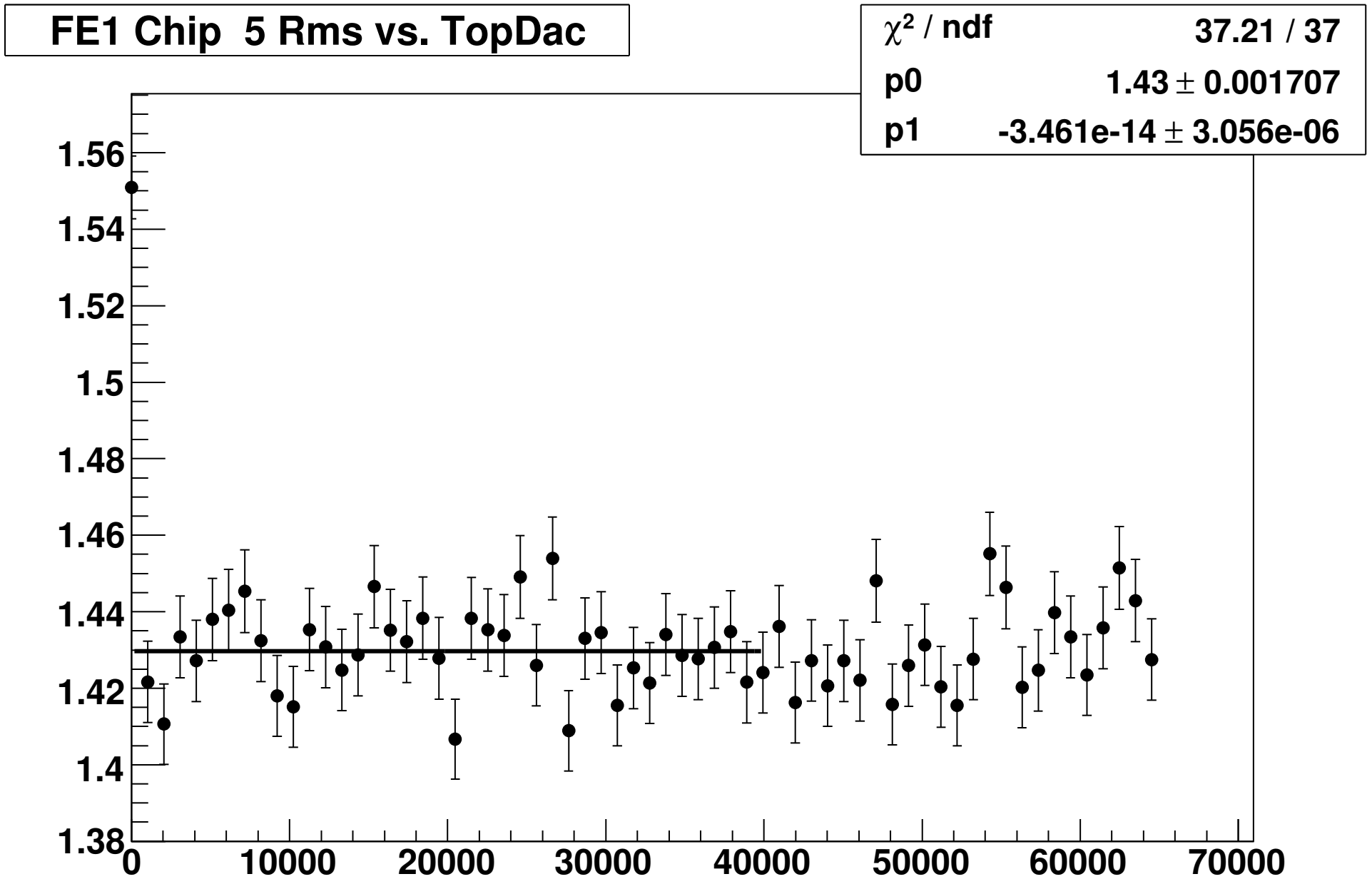
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 37.21 / 37
p0 1.43 ± 0.001707
p1 -3.461e-14 ± 3.056e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
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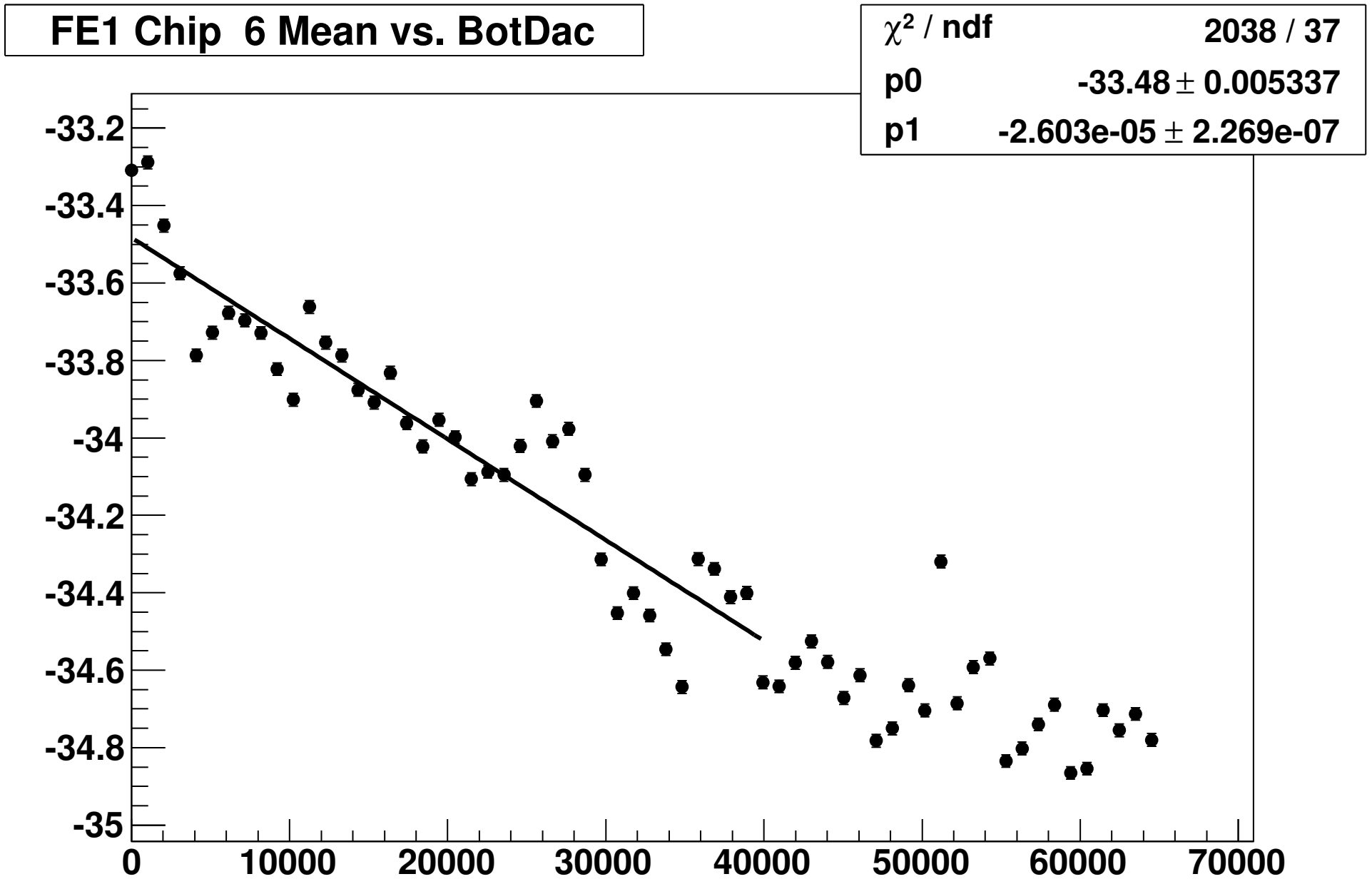
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 2038 / 37
p0 -33.48 ± 0.005337
p1 -2.603e-05 ± 2.269e-07
-33.2
-33.4
-33.6
-33.8
-34
-34.2
-34.4
-34.6
-34.8
-35
0
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50000
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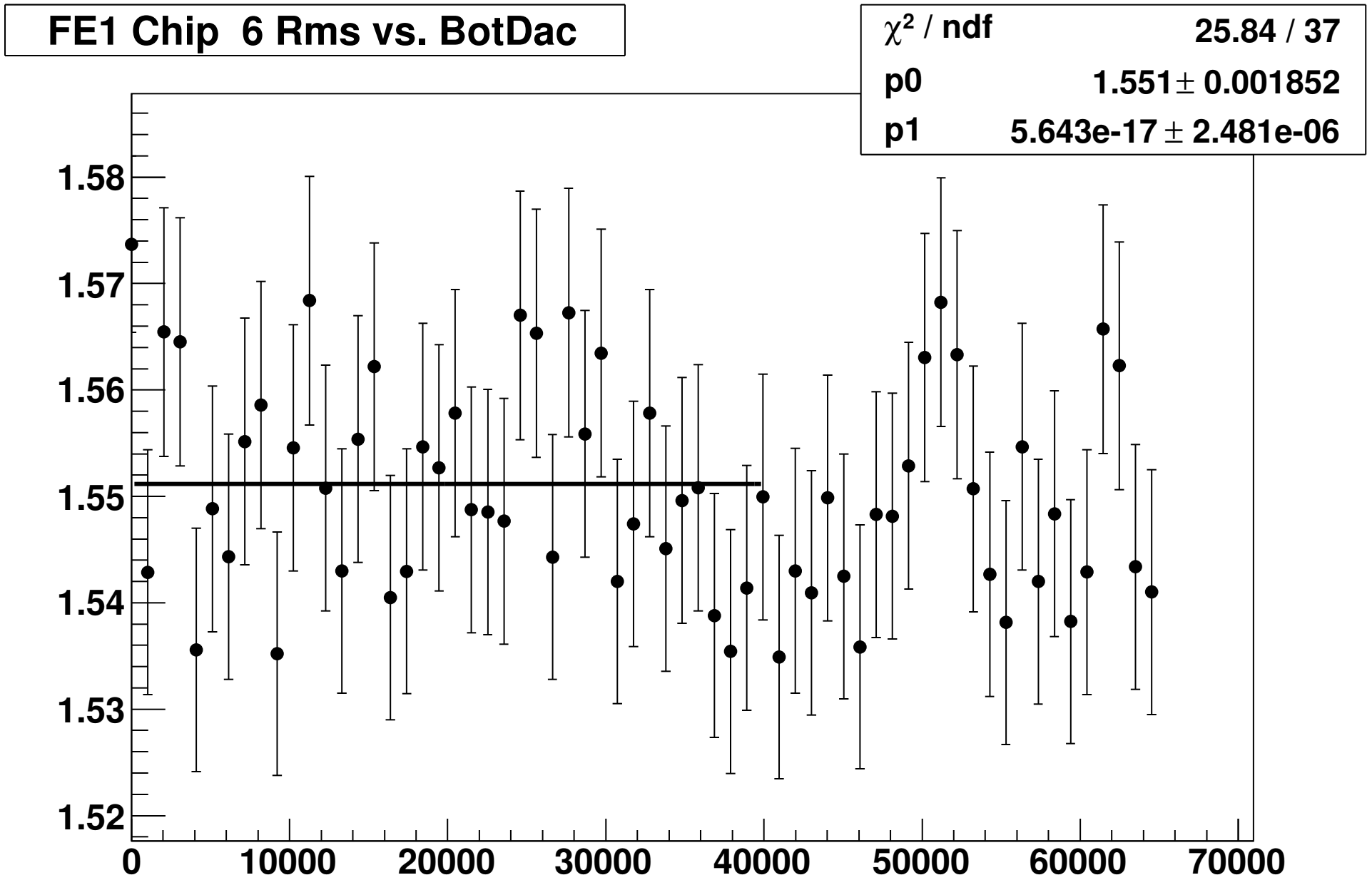
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 25.84 / 37
p0 1.551 ± 0.001852
p1 5.643e-17 ± 2.481e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
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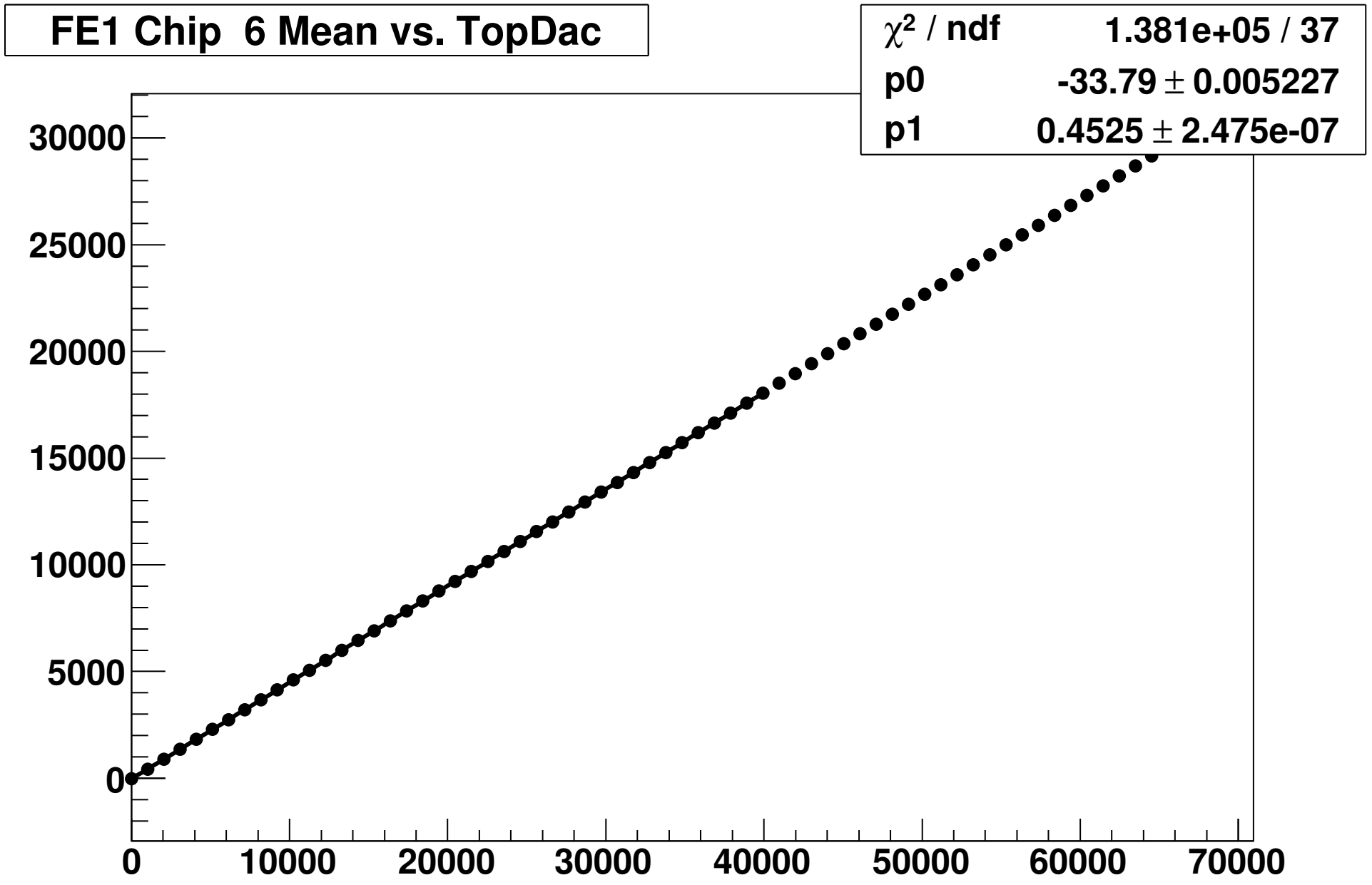
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.381e+05 / 37
p0 -33.79 ± 0.005227
p1 0.4525 ± 2.475e-07
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20000
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5000
0
0
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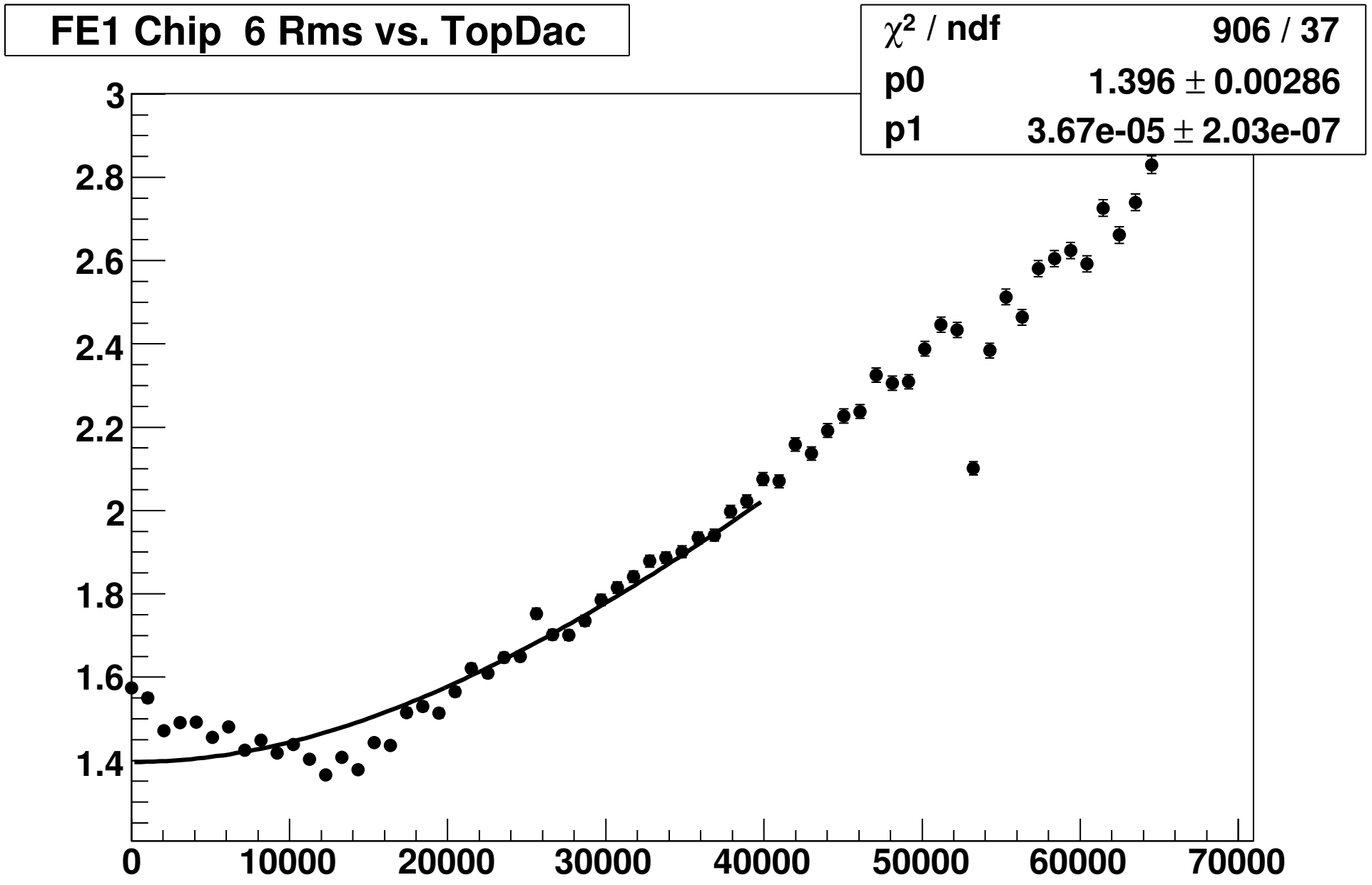
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 906 / 37
p0 1.396 ± 0.00286
p1 3.67e-05 ± 2.03e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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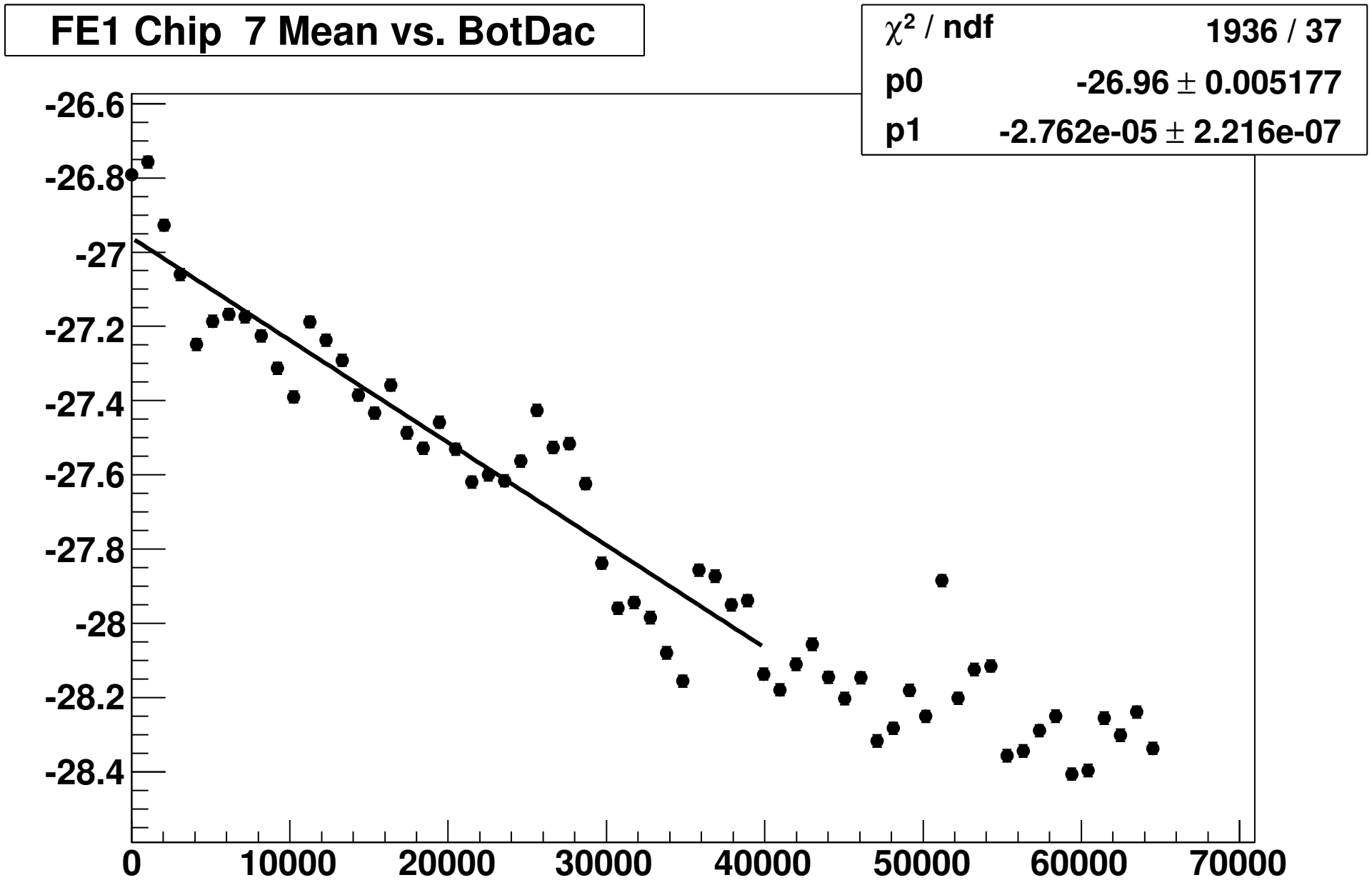
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1936 / 37
p0 -26.96 ± 0.005177
p1 -2.762e-05 ± 2.216e-07
-26.6
-26.8
-27
-27.2
-27.4
-27.6
-27.8
-28
-28.2
-28.4
0
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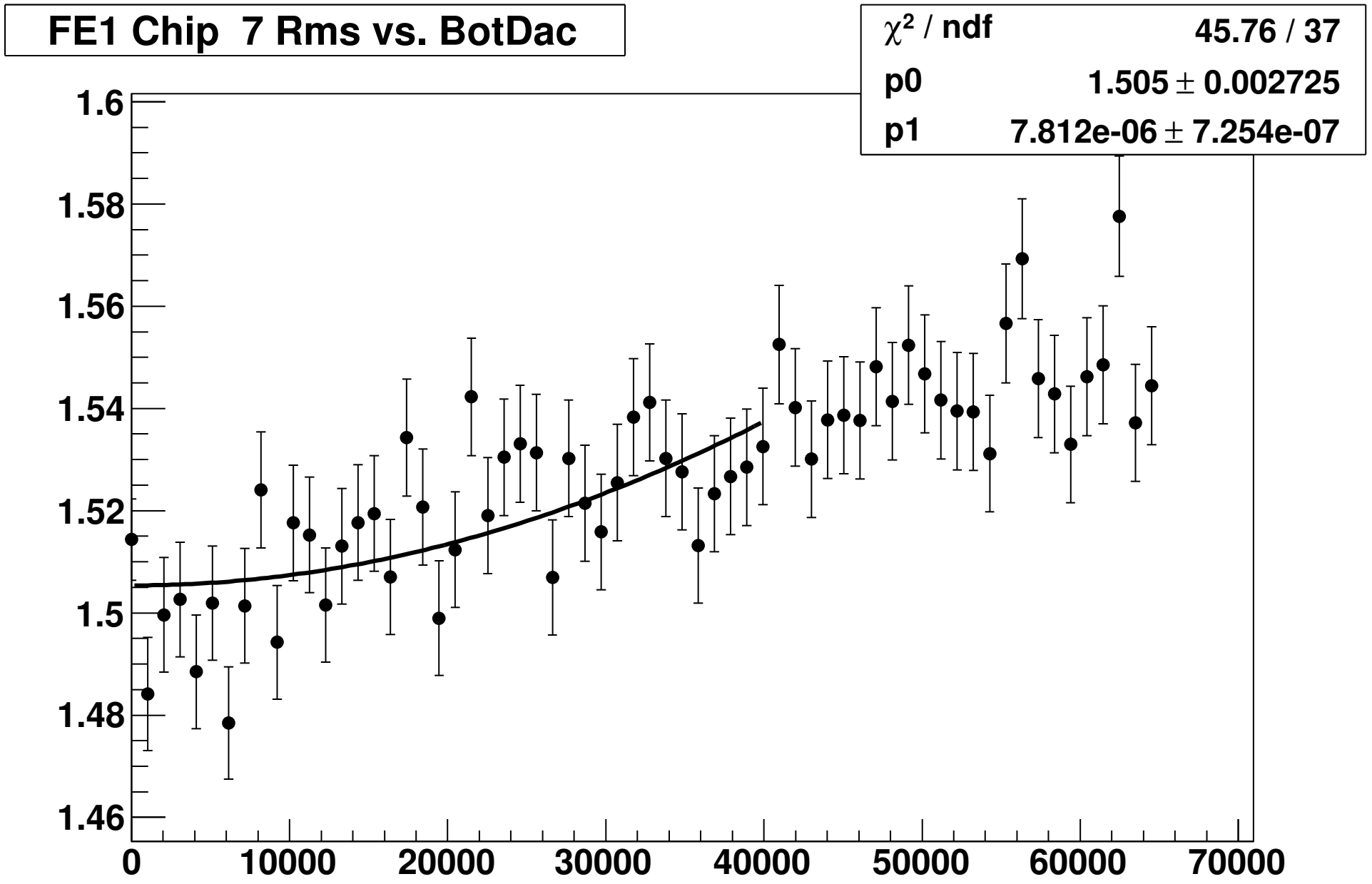
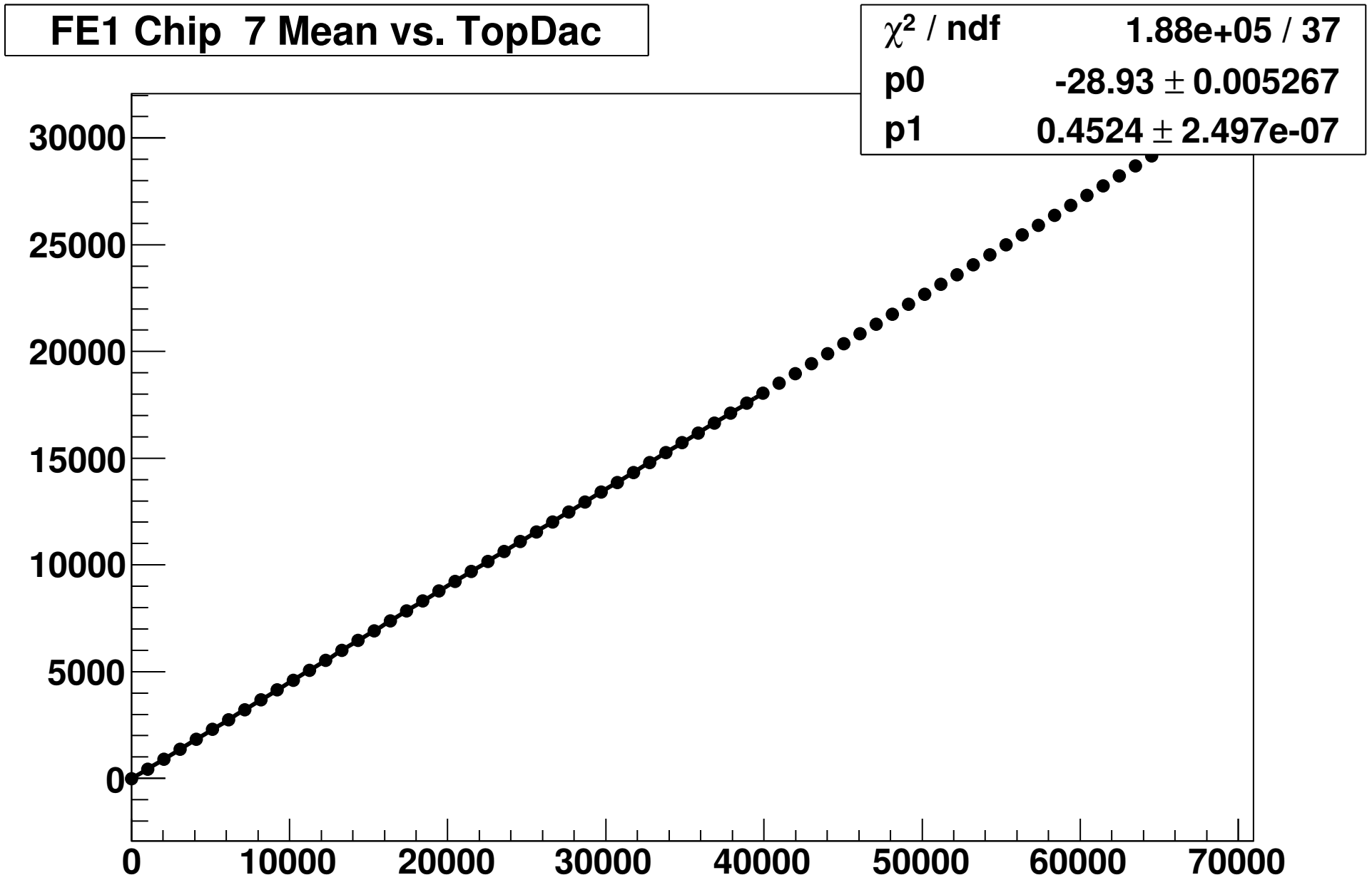
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 45.76 / 37
p0 1.505 ± 0.002725
p1 7.812e-06 ± 7.254e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.88e+05 / 37
p0 -28.93 ± 0.005267
p1 0.4524 ± 2.497e-07
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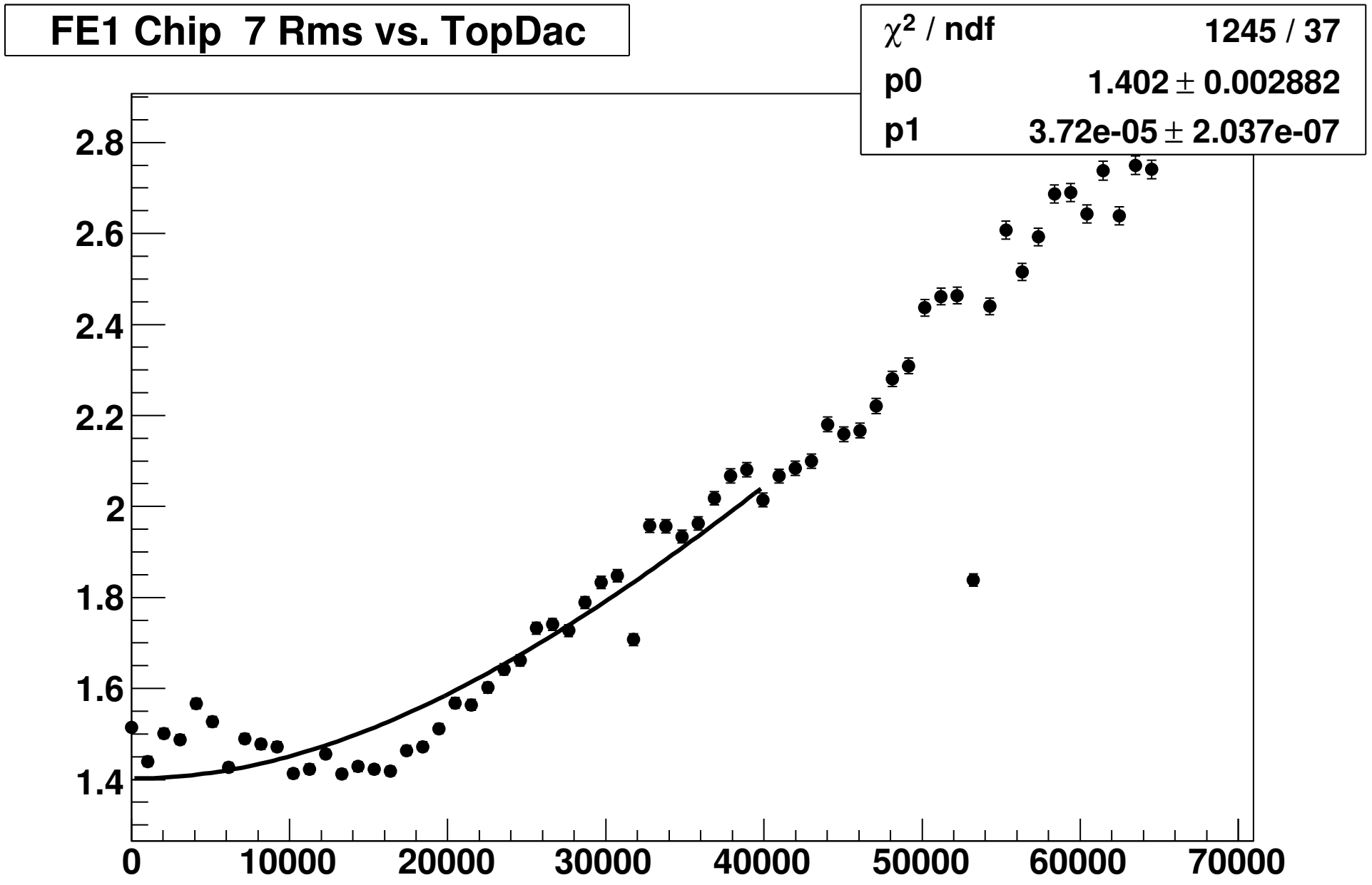
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1245 / 37
p0 1.402 ± 0.002882
p1 3.72e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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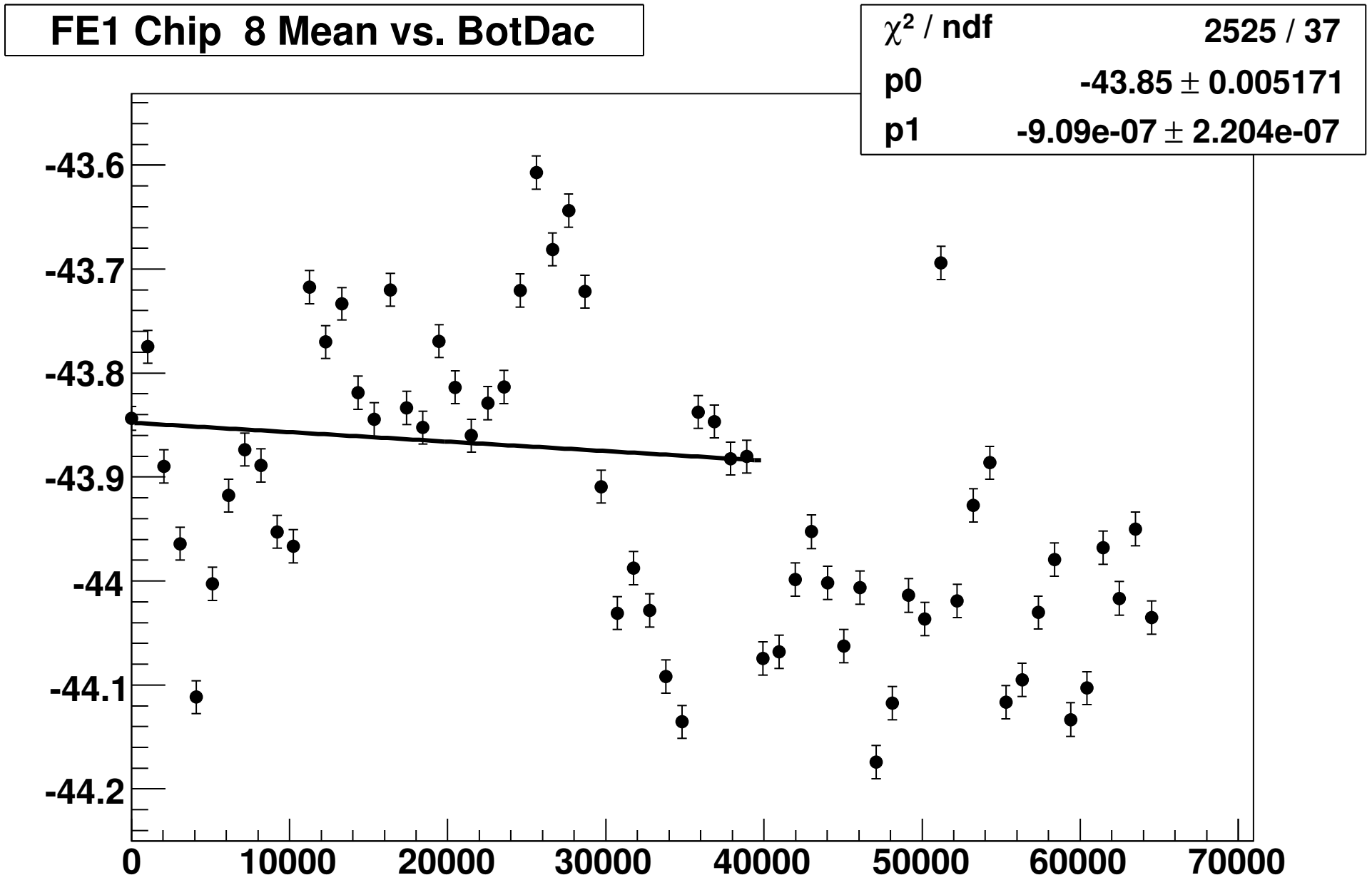
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 2525 / 37
p0 -43.85 ± 0.005171
p1 -9.09e-07 ± 2.204e-07
-43.6
-43.7
-43.8
-43.9
-44
-44.1
-44.2
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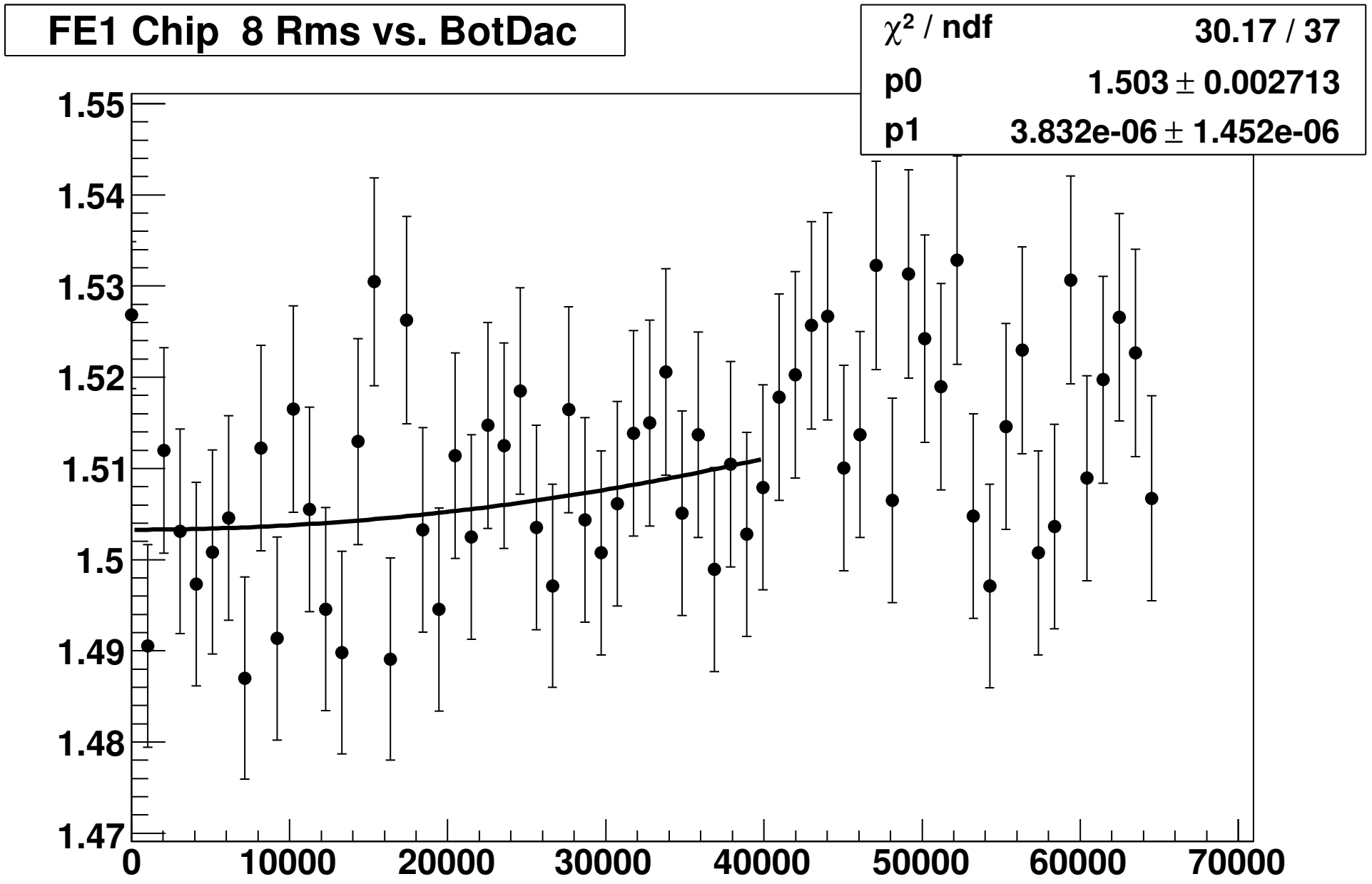
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 30.17 / 37
p0 1.503 ± 0.002713
p1 3.832e-06 ± 1.452e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
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50000
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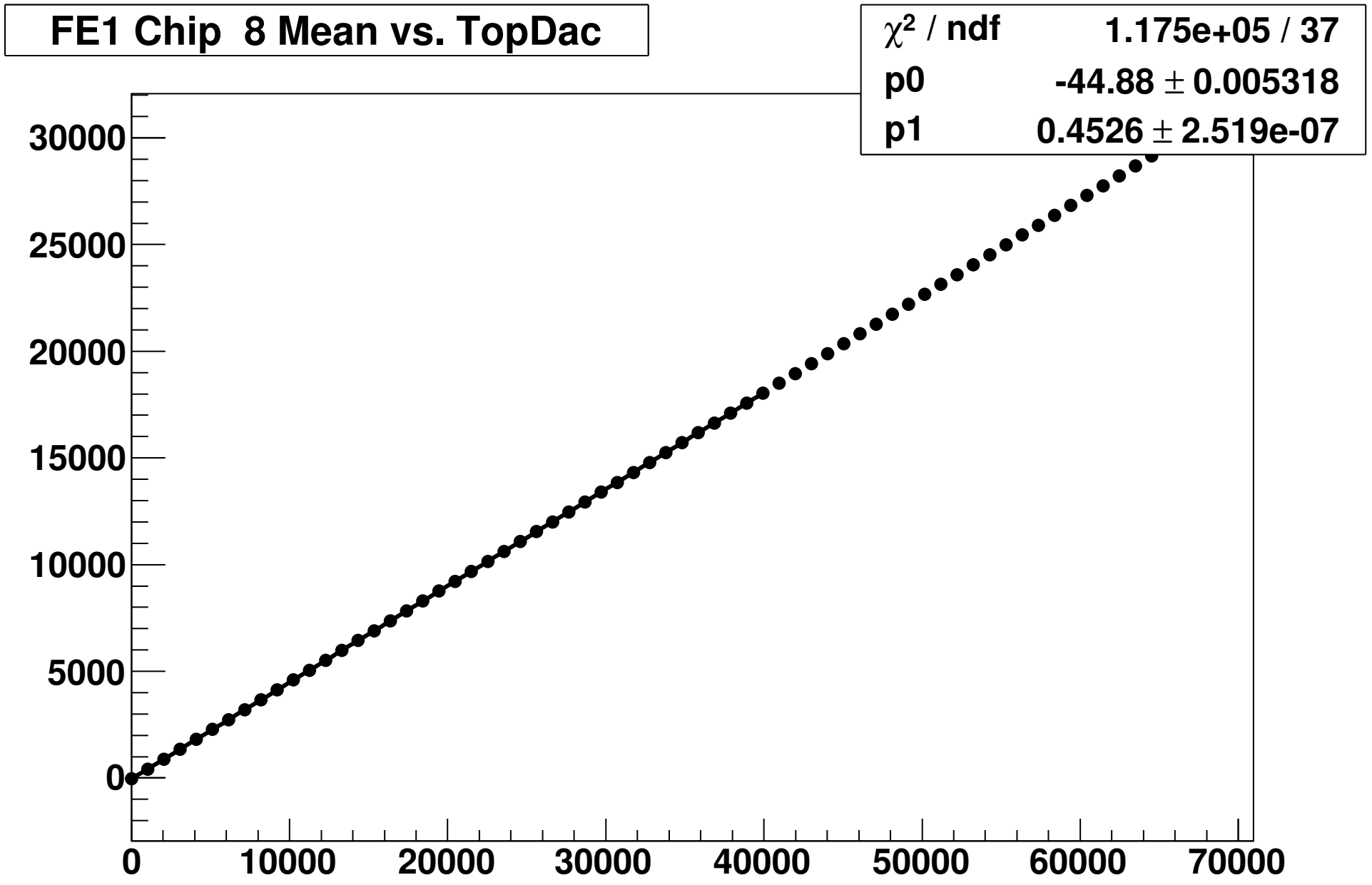
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.175e+05 / 37
p0 -44.88 ± 0.005318
p1 0.4526 ± 2.519e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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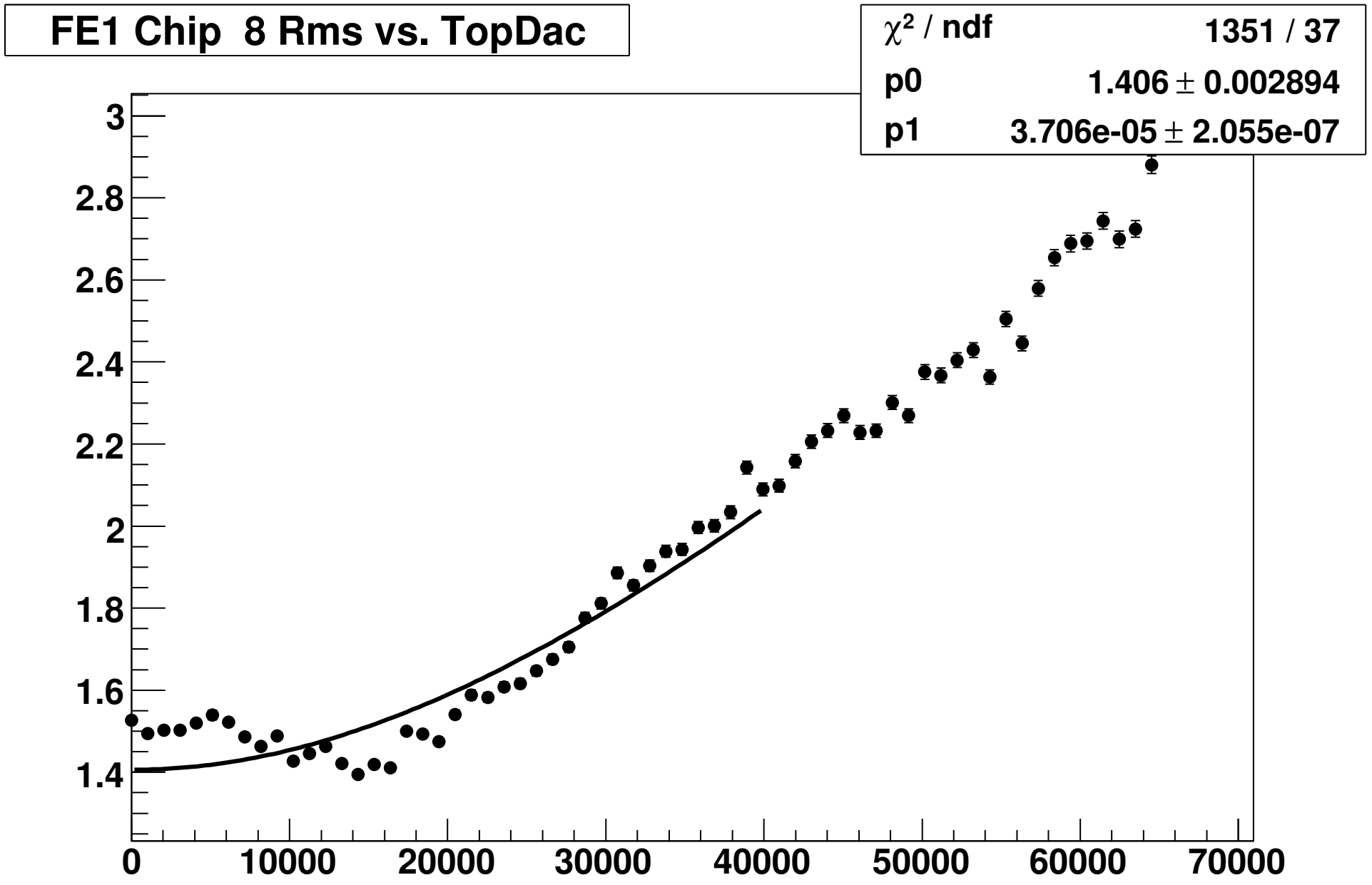
FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1351 / 37
p0 1.406 ± 0.002894
p1 3.706e-05 ± 2.055e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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60000
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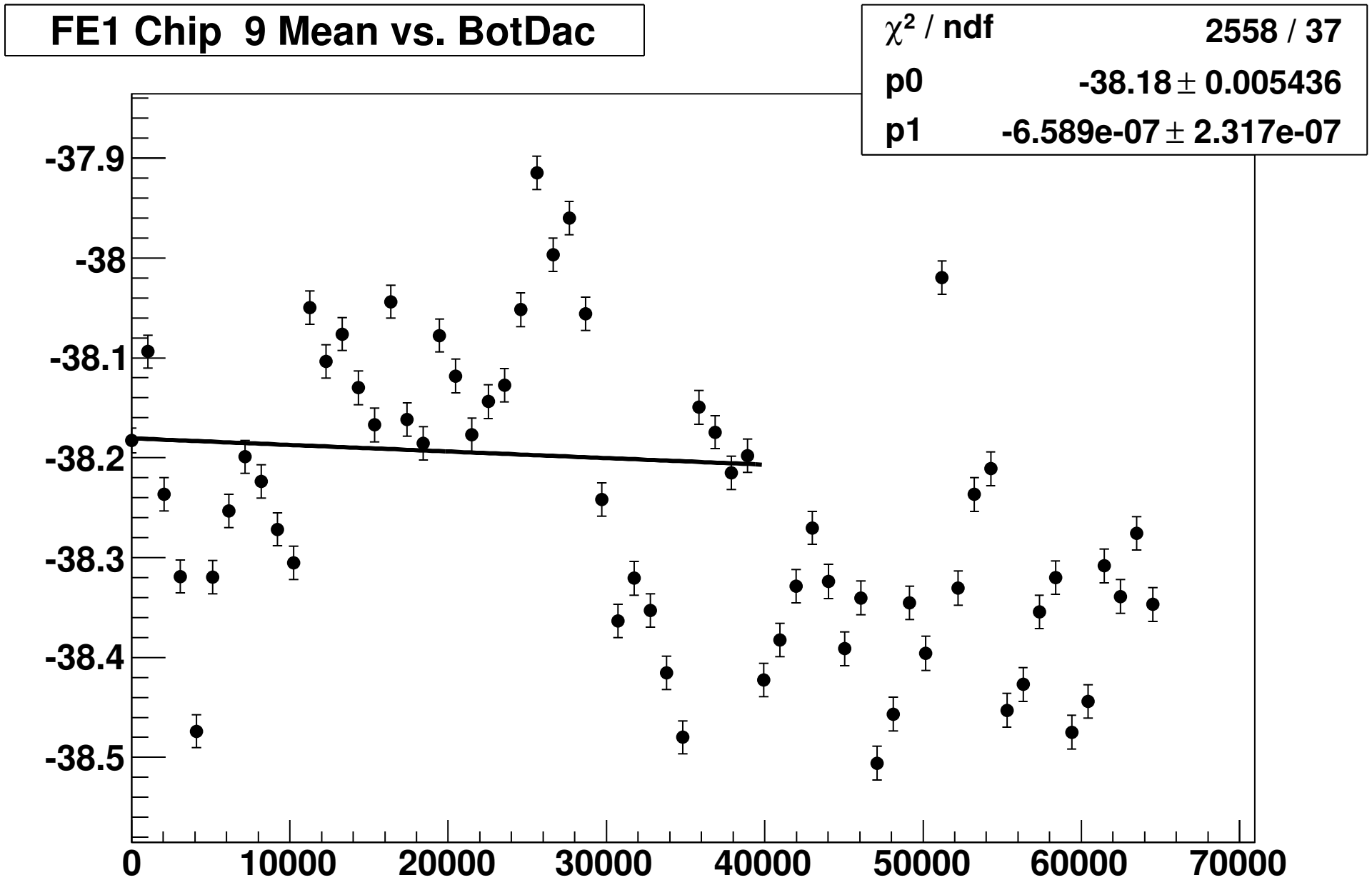
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 2558 / 37
p0 -38.18 ± 0.005436
p1 -6.589e-07 ± 2.317e-07
-37.9
-38
-38.1
-38.2
-38.3
-38.4
-38.5
0
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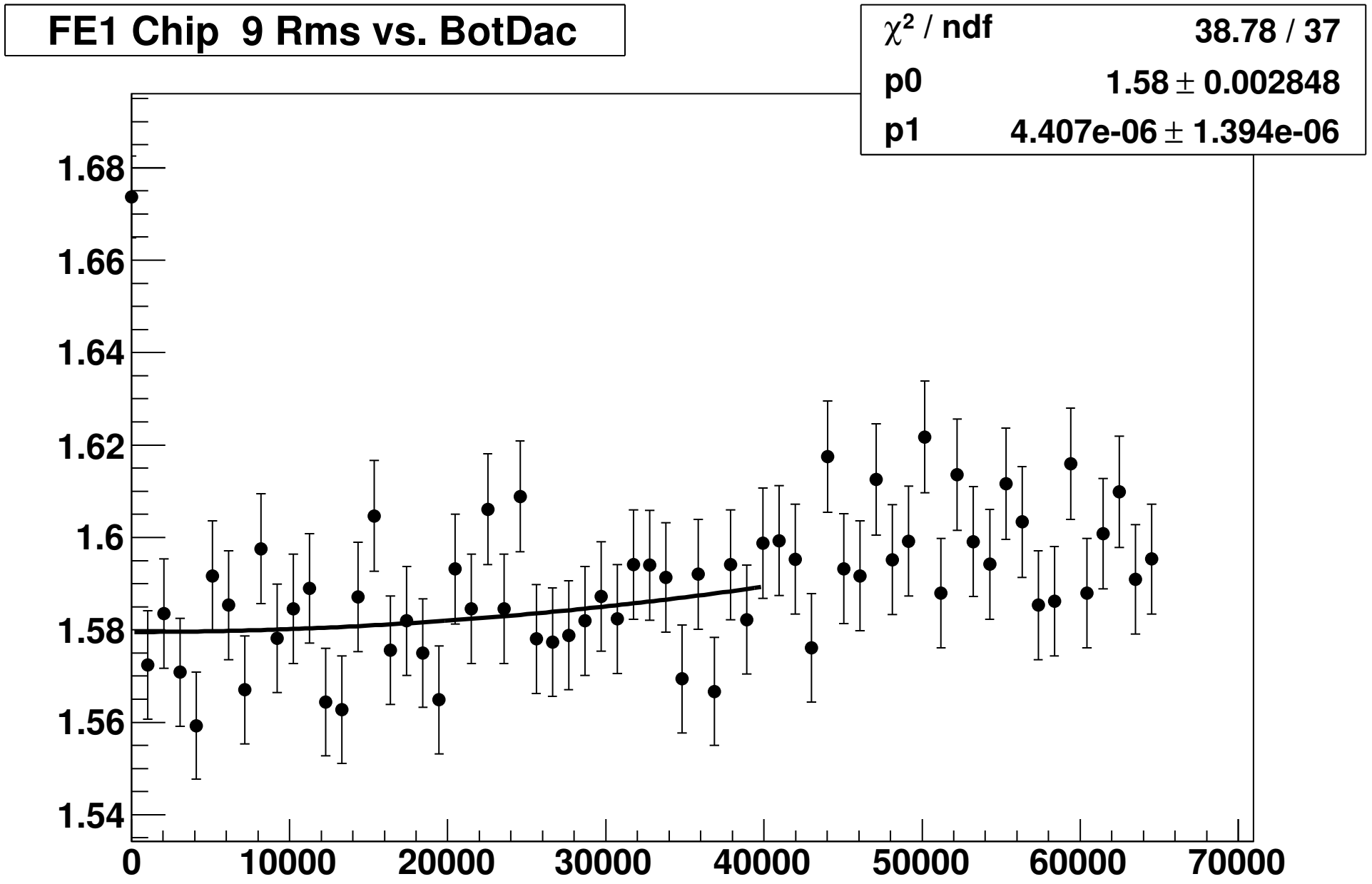
FE1 Chip 9 Rms vs. BotDac
χ² / ndf 38.78 / 37
p0 1.58 ± 0.002848
p1 4.407e-06 ± 1.394e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
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20000
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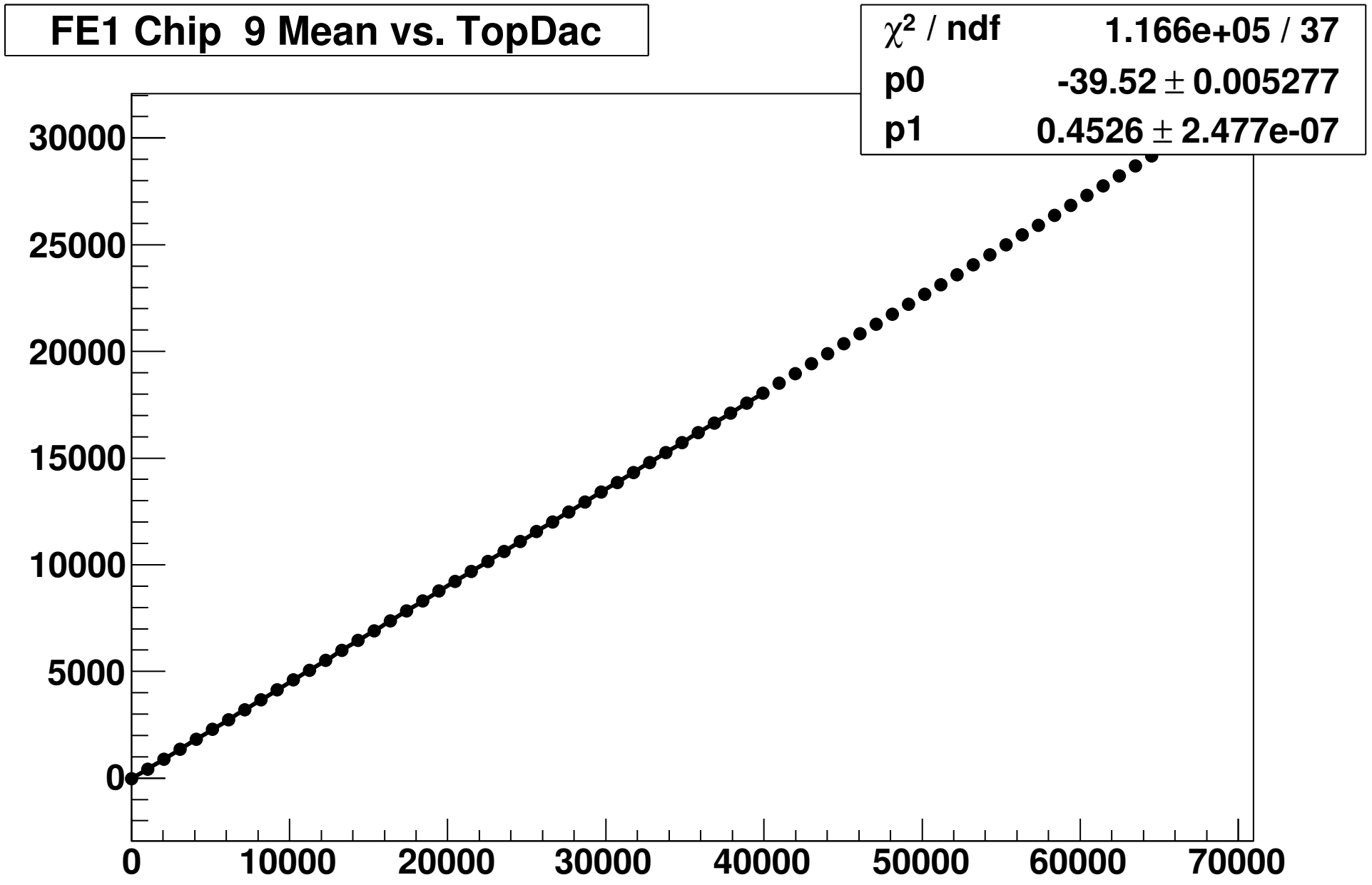
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.166e+05 / 37
p0 -39.52 ± 0.005277
p1 0.4526 ± 2.477e-07
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20000
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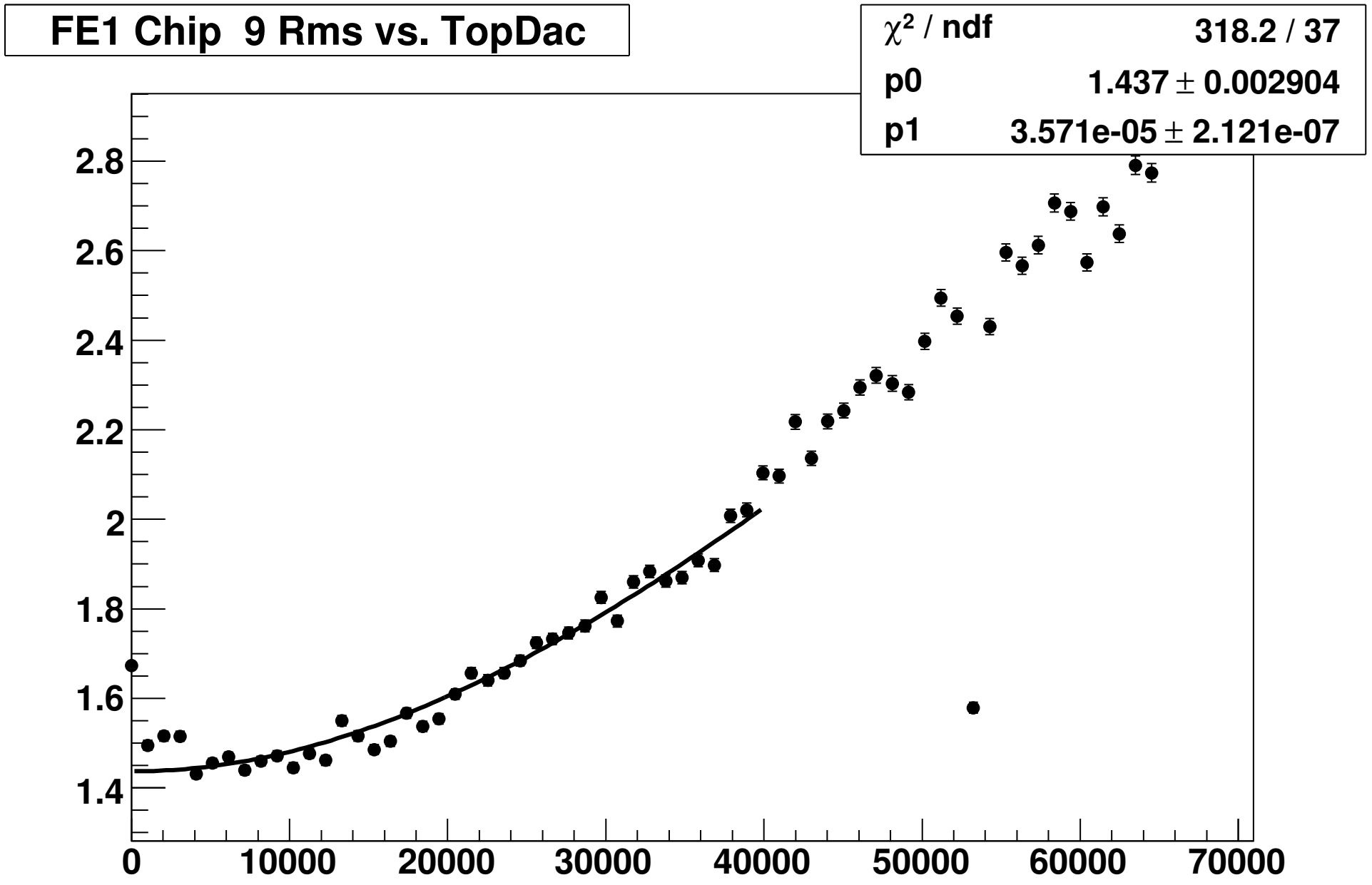
FE1 Chip 9 Rms vs. TopDac
χ² / ndf 318.2 / 37
p0 1.437 ± 0.002904
p1 3.571e-05 ± 2.121e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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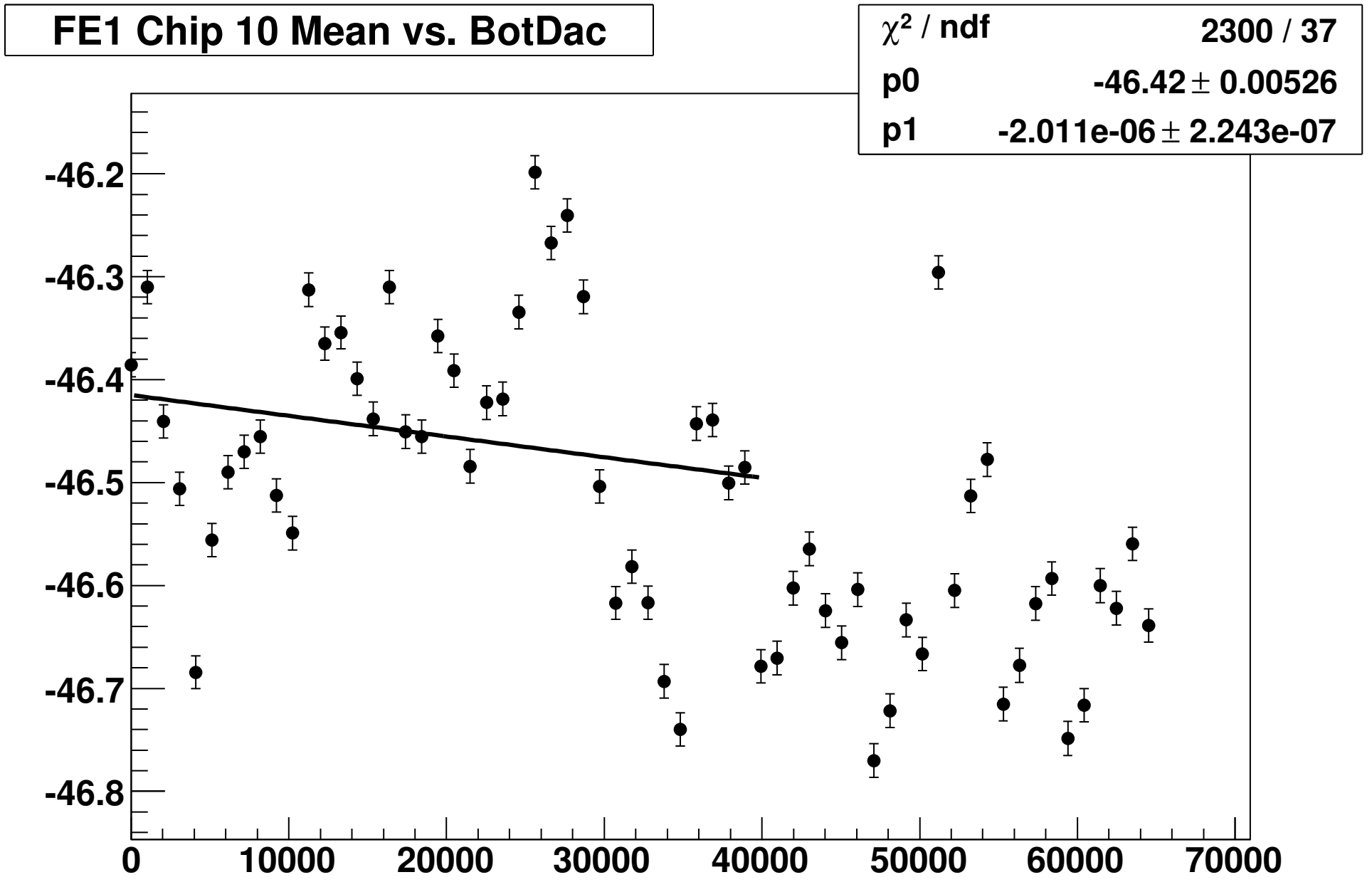
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 2300 / 37
p0 -46.42 ± 0.00526
p1 -2.011e-06 ± 2.243e-07
-46.2
-46.3
-46.4
-46.5
-46.6
-46.7
-46.8
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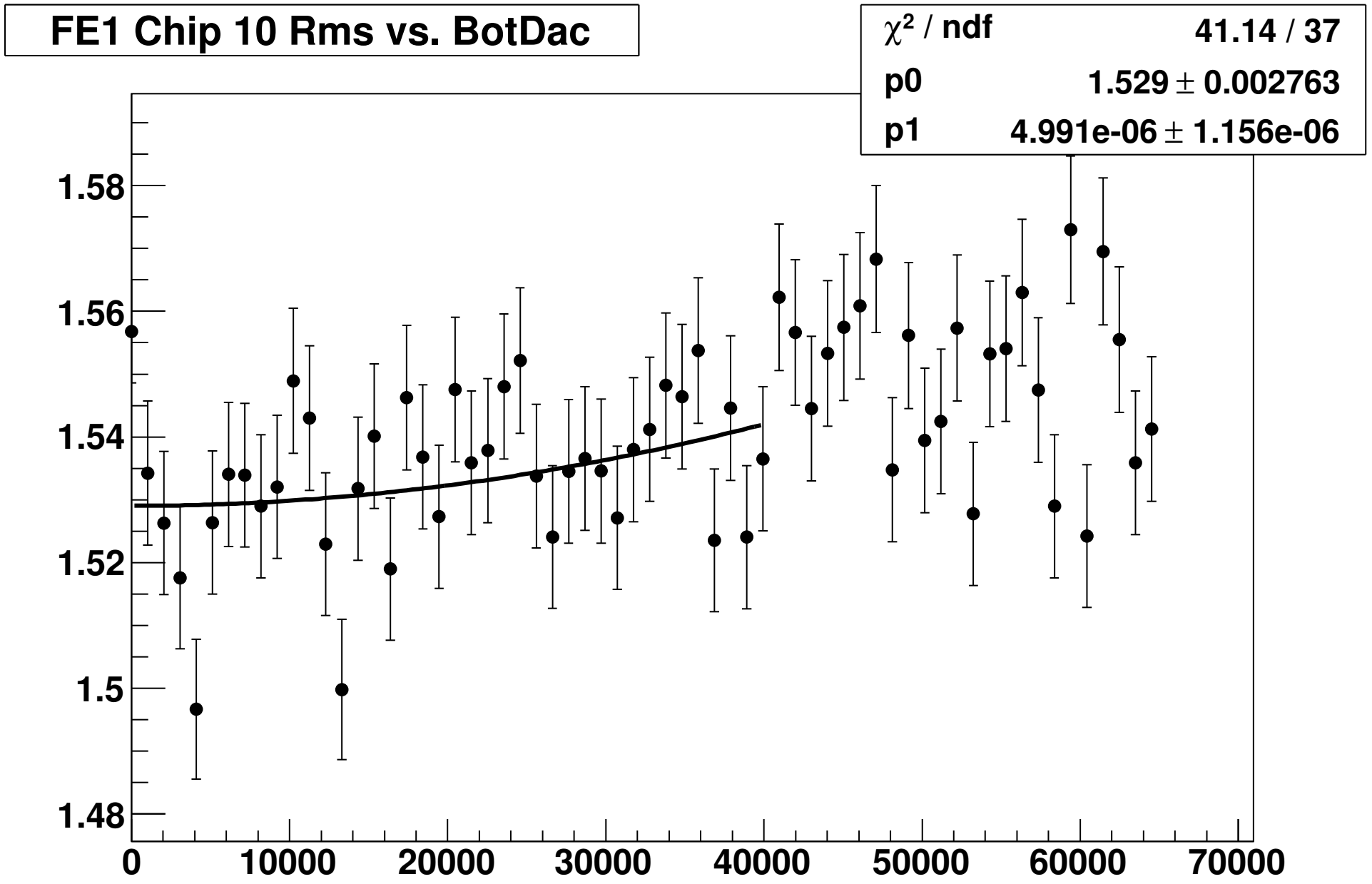
FE1 Chip 10 Rms vs. BotDac
χ² / ndf 41.14 / 37
p0 1.529 ± 0.002763
p1 4.991e-06 ± 1.156e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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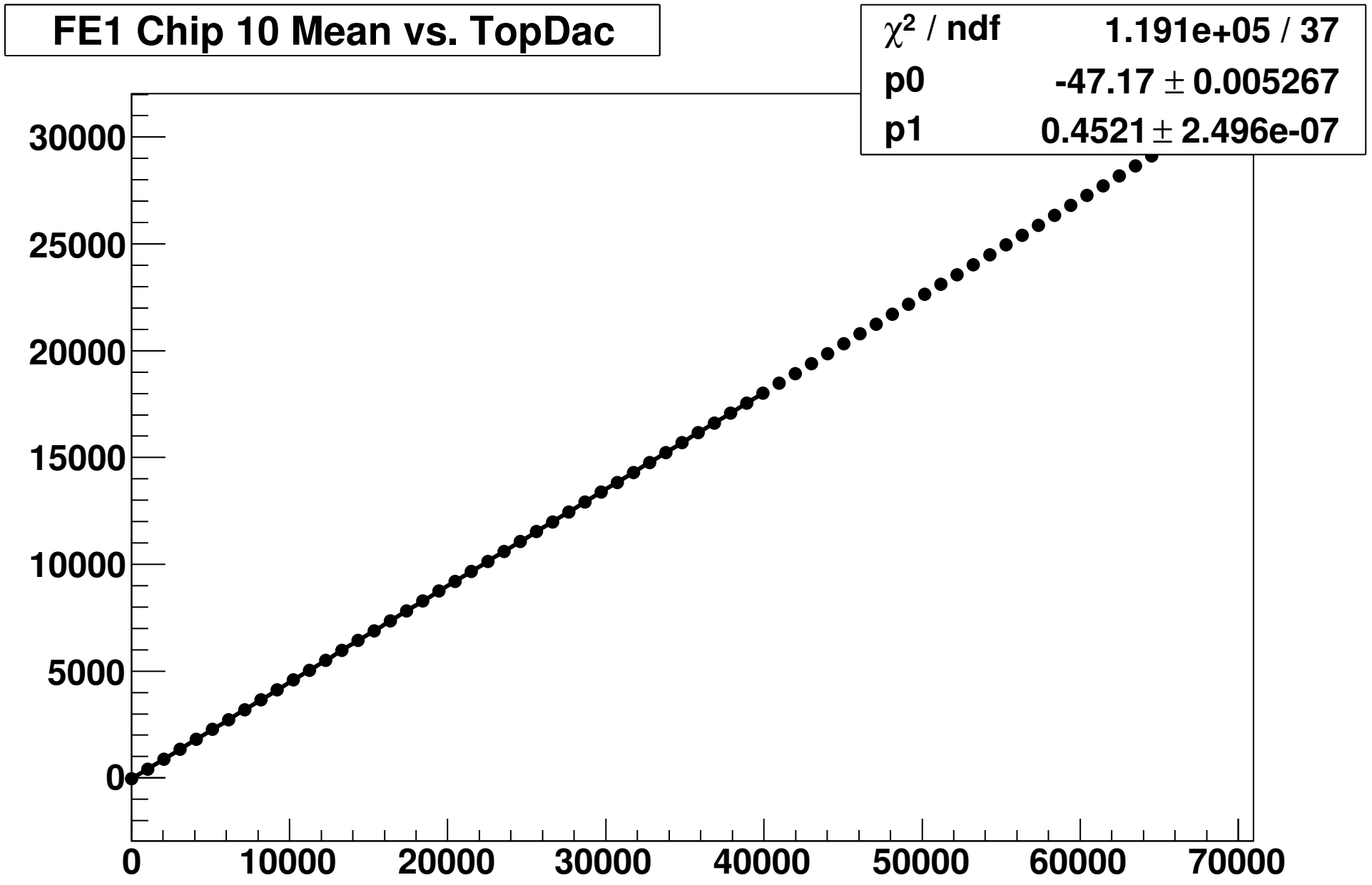
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.191e+05 / 37
p0 -47.17 ± 0.005267
p1 0.4521 ± 2.496e-07
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15000
10000
5000
0
0
10000
20000
30000
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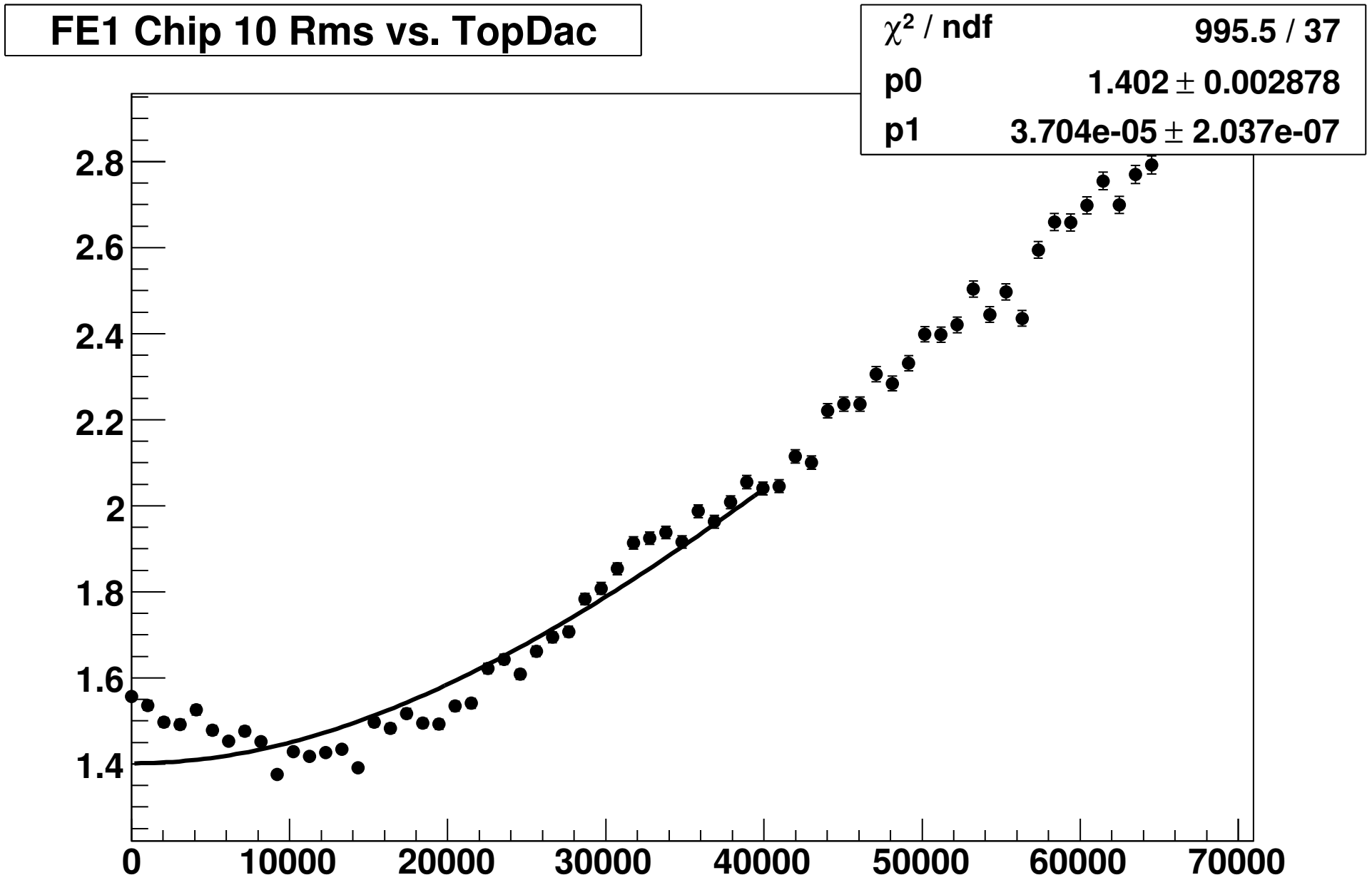
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 995.5 / 37
p0 1.402 ± 0.002878
p1 3.704e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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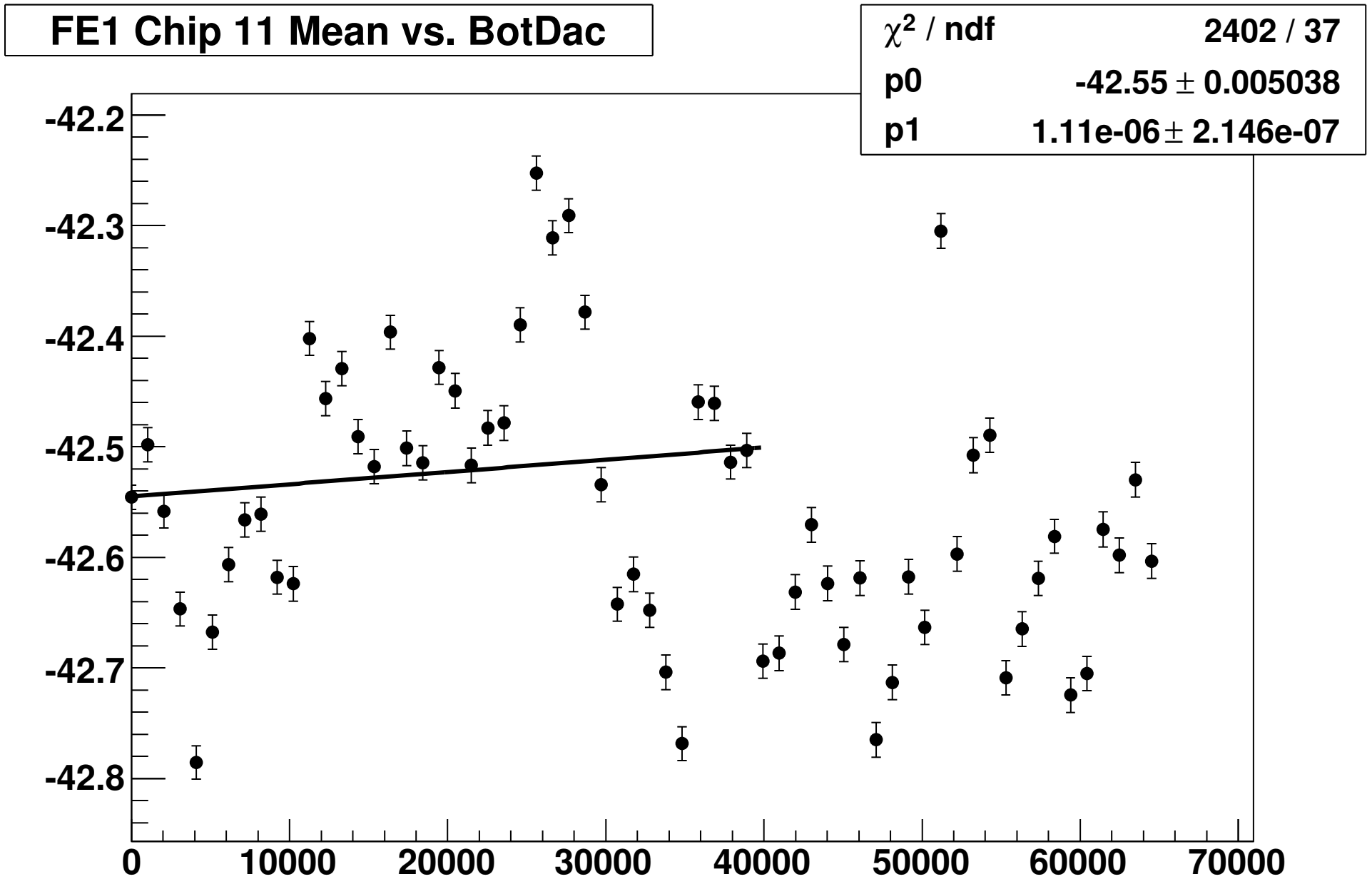
40000
50000
60000
70000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 2402 / 37
p0 -42.55 ± 0.005038
p1 1.11e-06 ± 2.146e-07
-42.2
-42.3
-42.4
-42.5
-42.6
-42.7
-42.8
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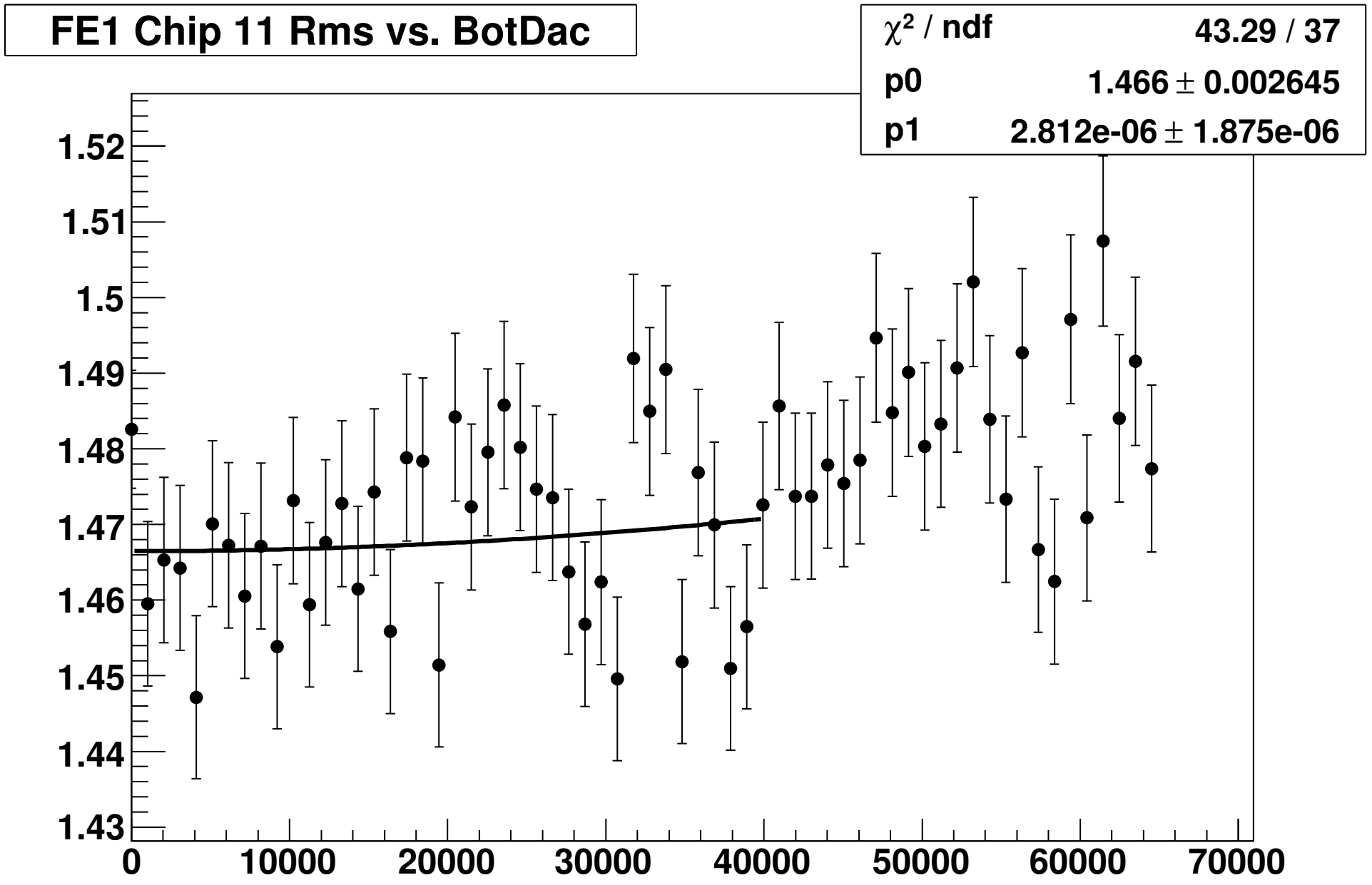
FE1 Chip 11 Rms vs. BotDac
χ² / ndf 43.29 / 37
p0 1.466 ± 0.002645
p1 2.812e-06 ± 1.875e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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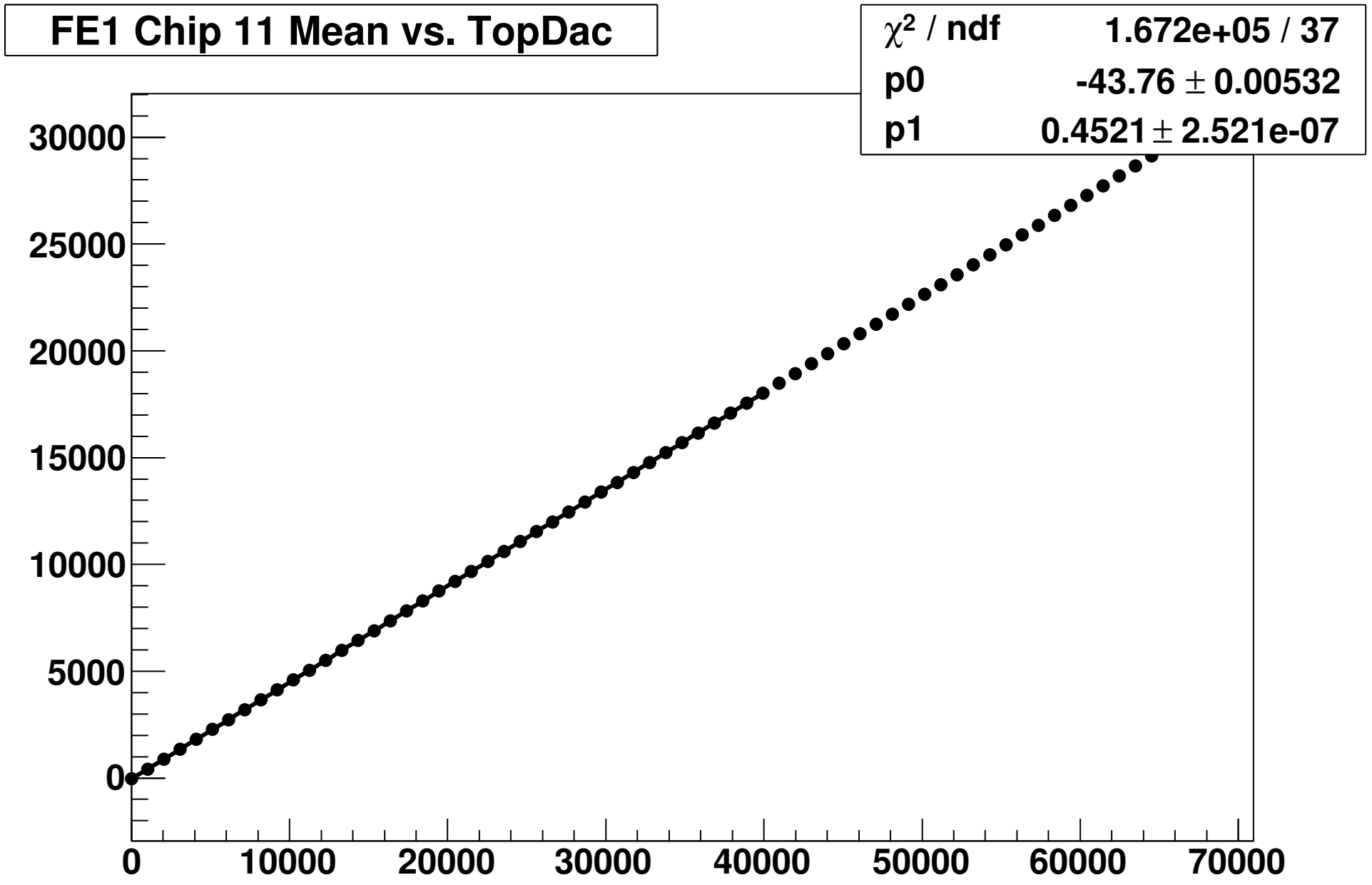
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.672e+05 / 37
p0 -43.76 ± 0.00532
p1 0.4521 ± 2.521e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
50000
60000
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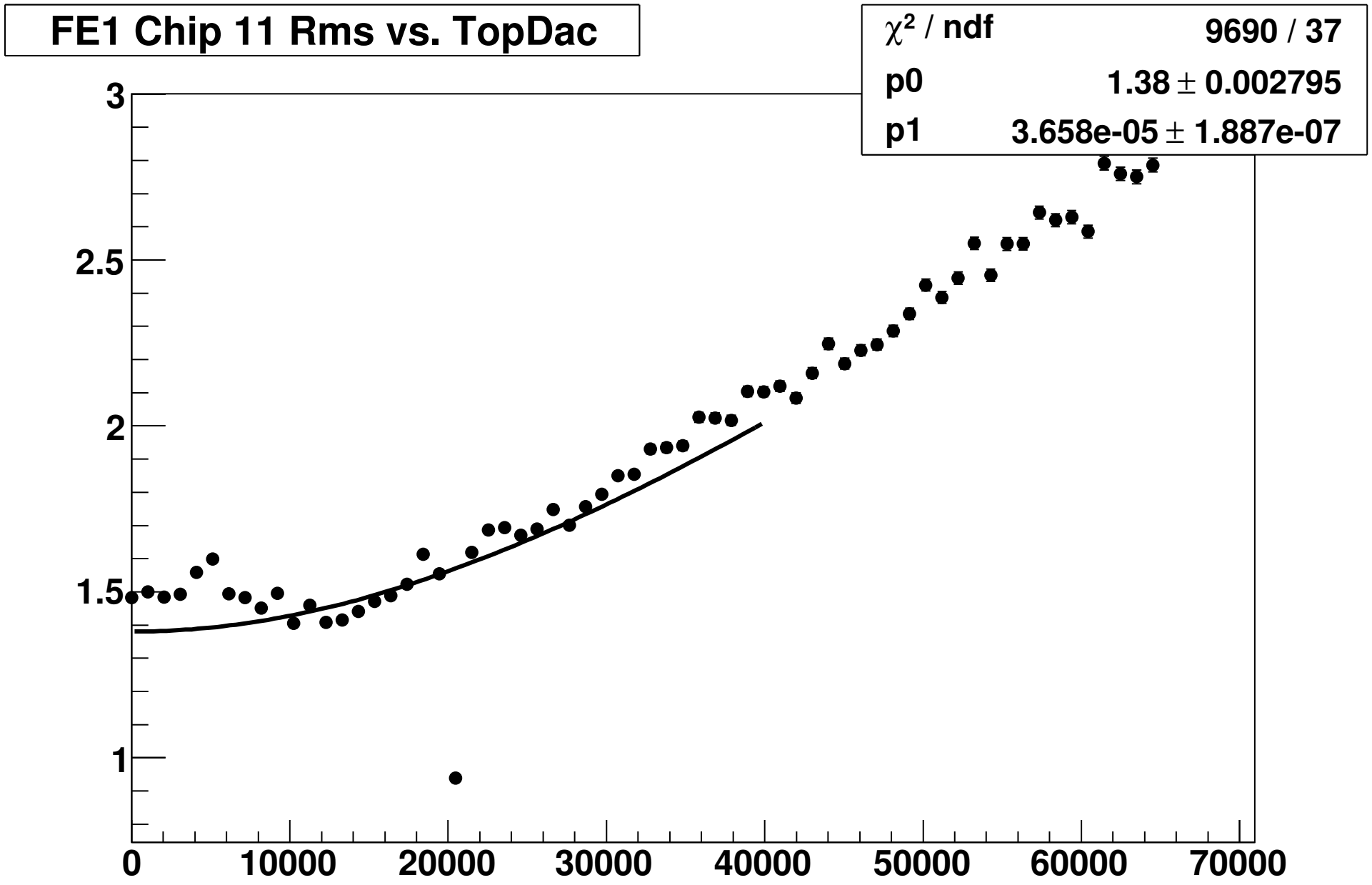
FE1 Chip 11 Rms vs. TopDac
χ² / ndf 9690 / 37
p0 1.38 ± 0.002795
p1 3.658e-05 ± 1.887e-07
3
2.5
2
1.5
1
0
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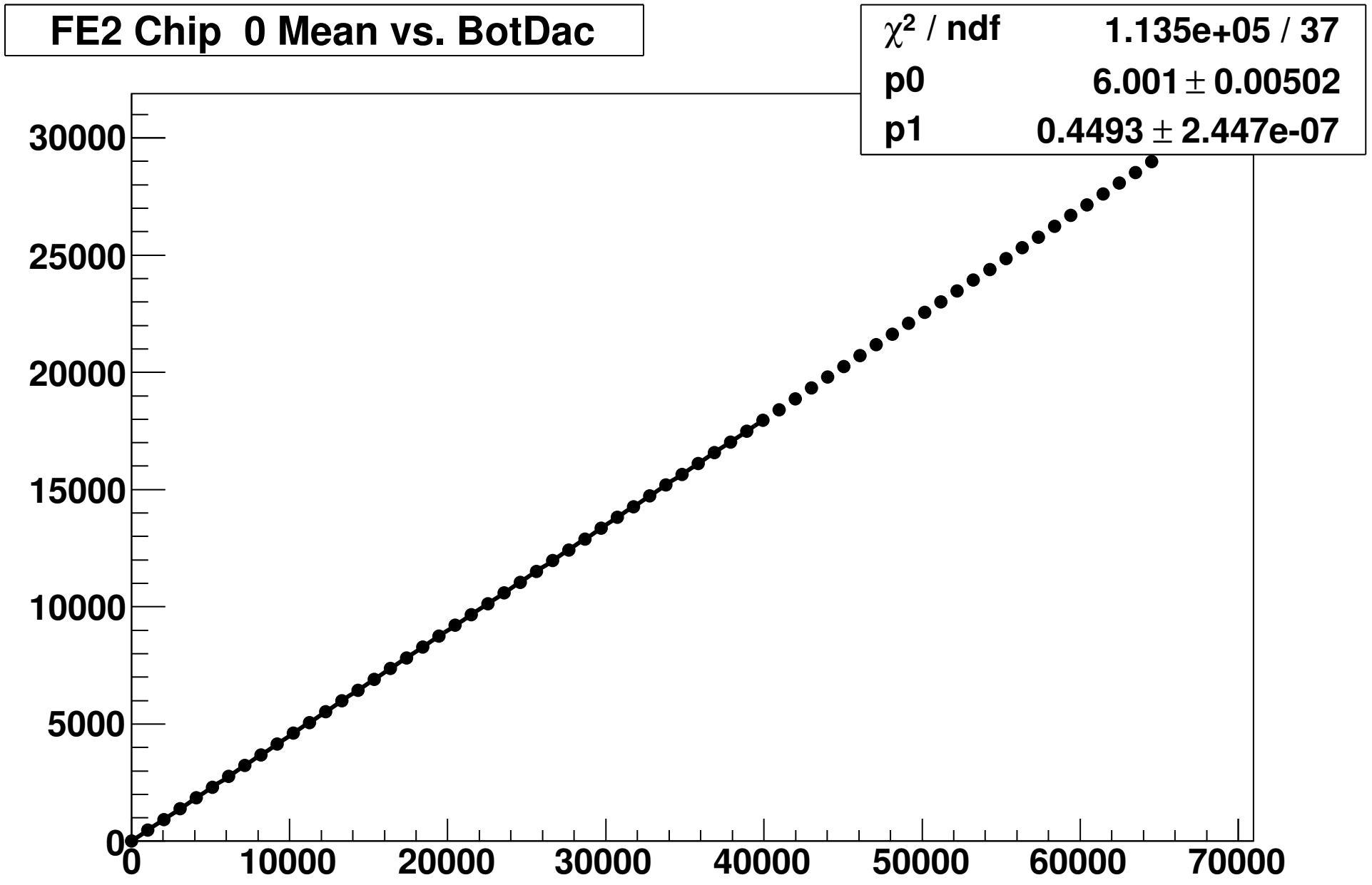
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.135e+05 / 37
p0 6.001 ± 0.00502
p1 0.4493 ± 2.447e-07
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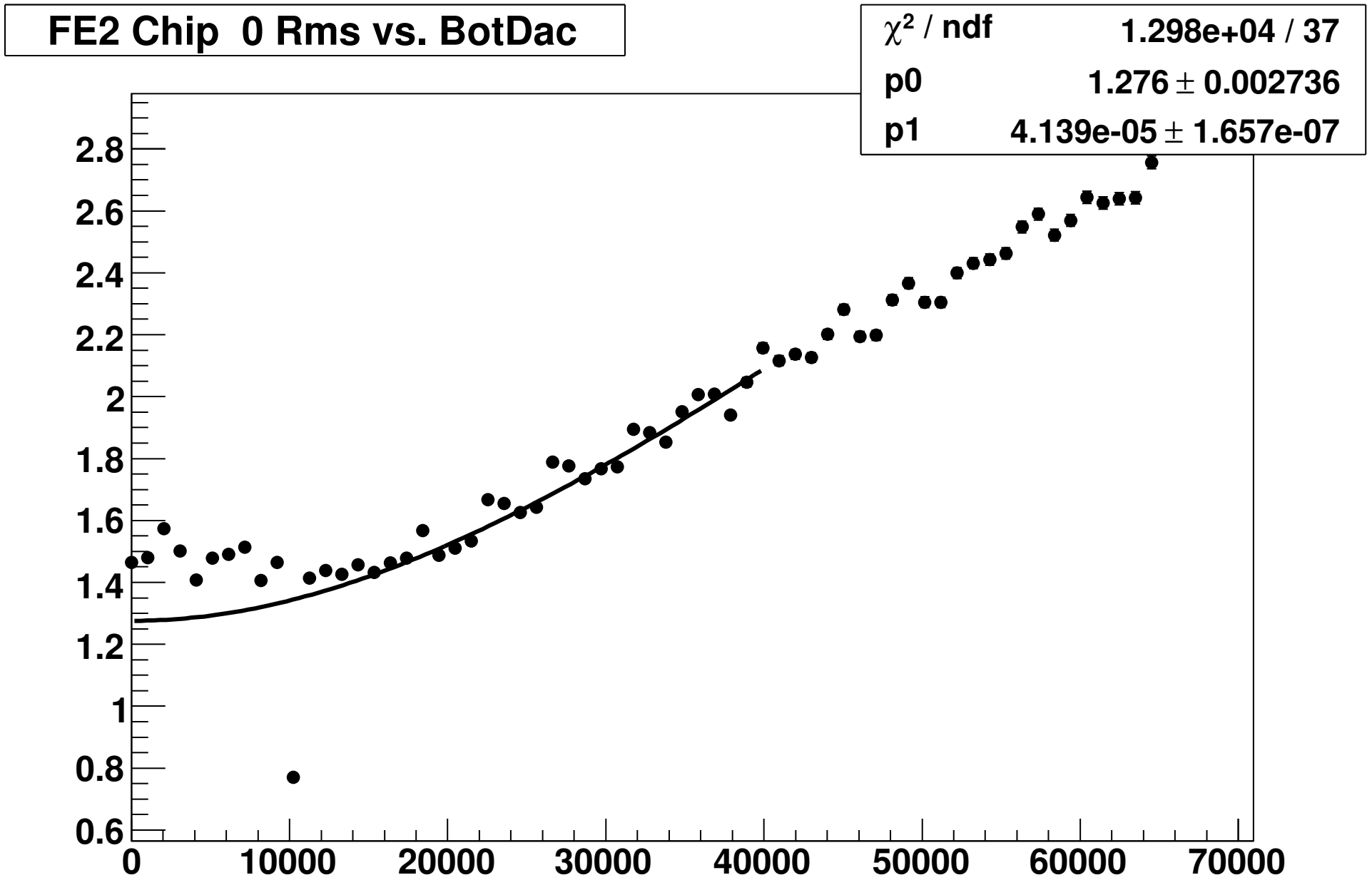
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 1.298e+04 / 37
p0 1.276 ± 0.002736
p1 4.139e-05 ± 1.657e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
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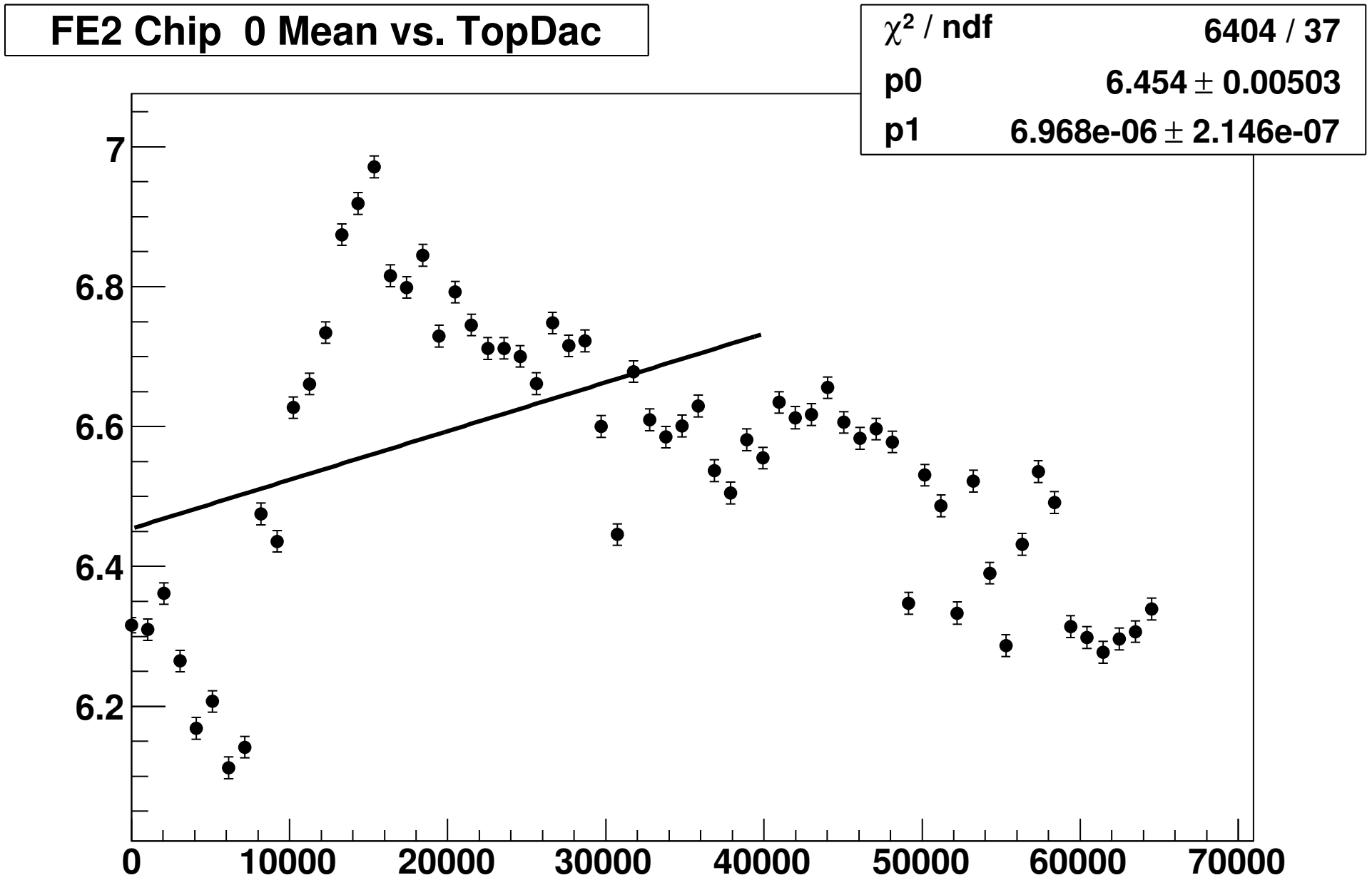
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 6404 / 37
p0 6.454 ± 0.00503
p1 6.968e-06 ± 2.146e-07
7
6.8
6.6
6.4
6.2
0
10000
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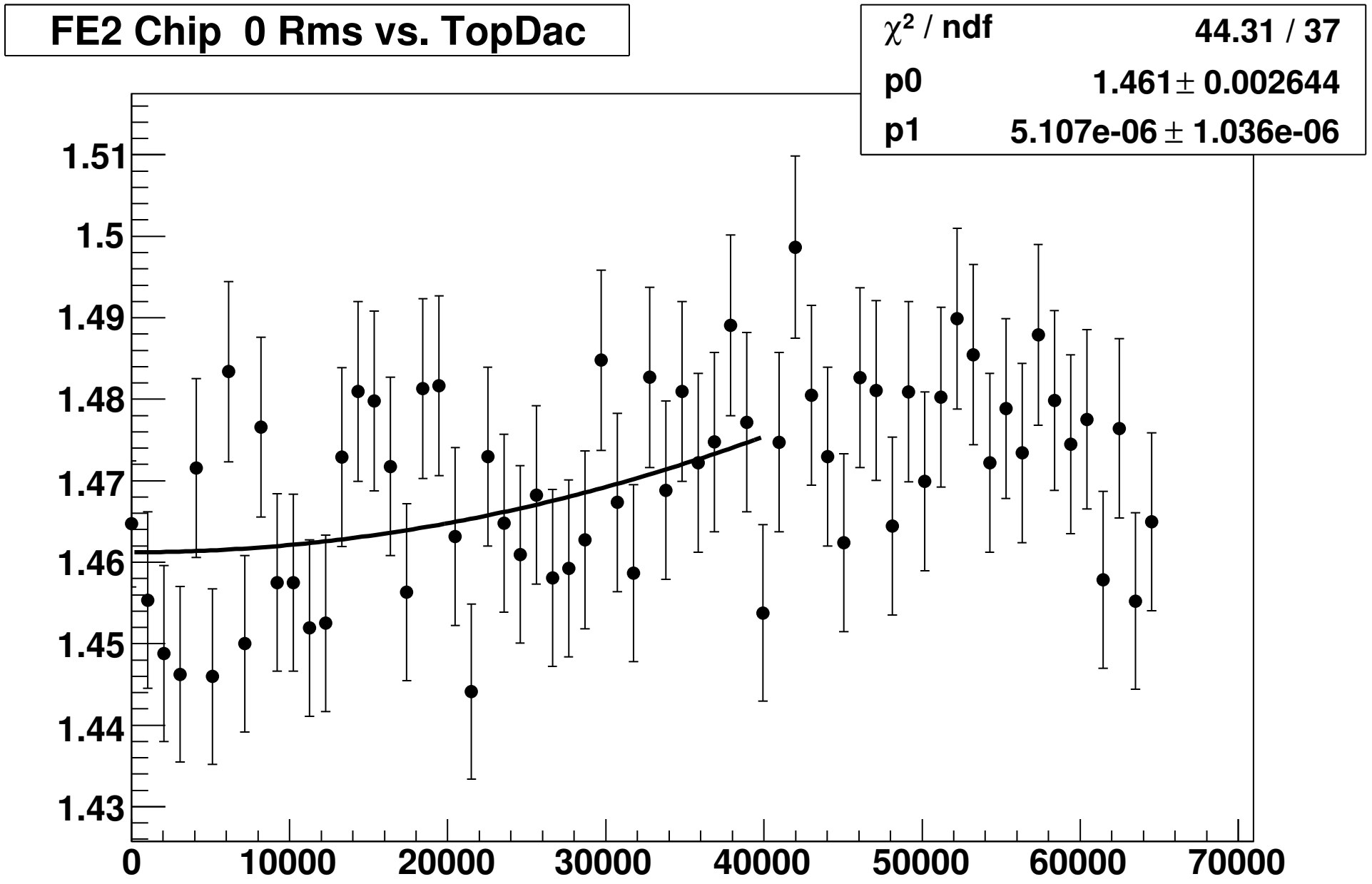
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 44.31 / 37
p0 1.461 ± 0.002644
p1 5.107e-06 ± 1.036e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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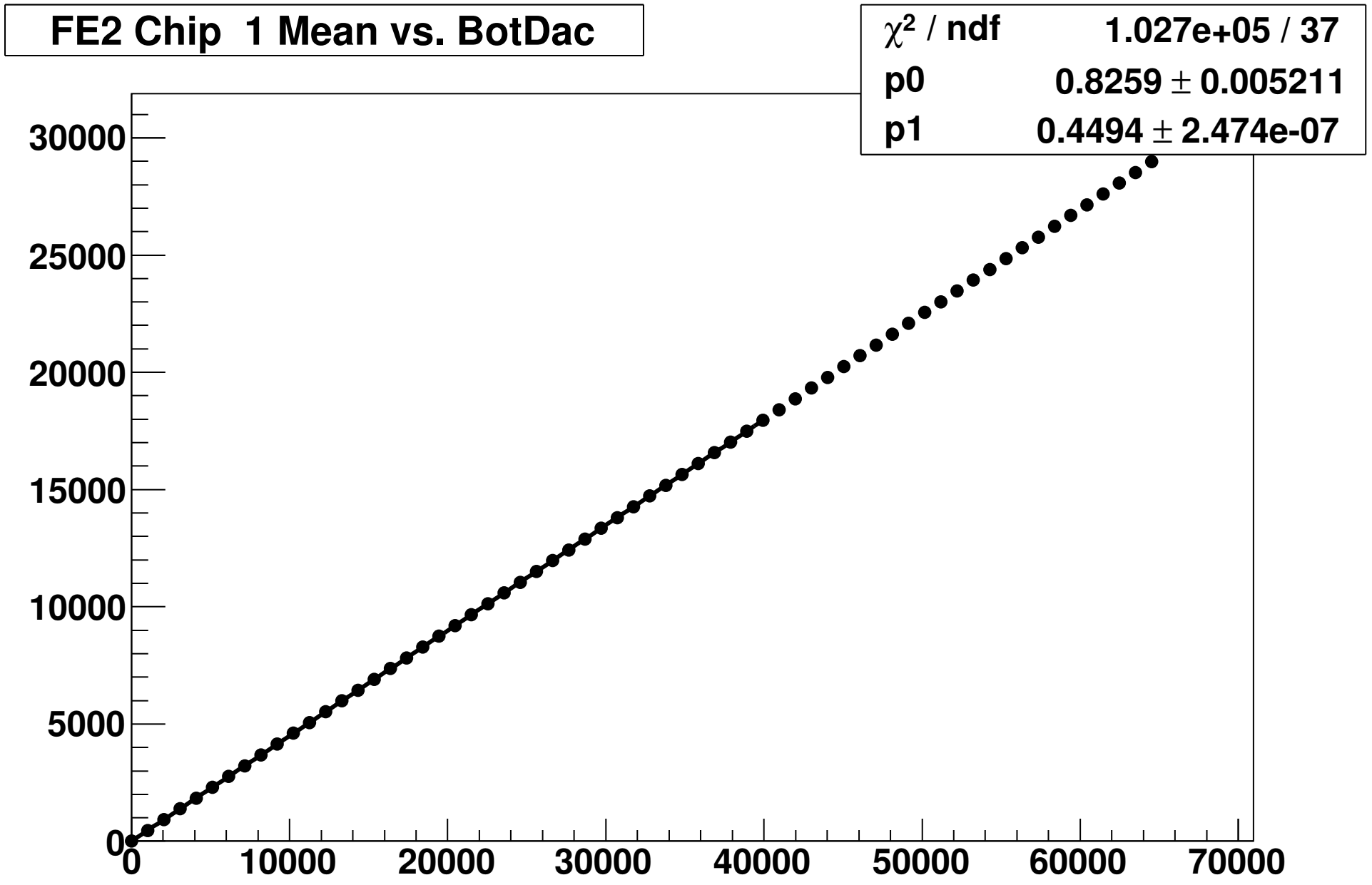
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.027e+05 / 37
p0 0.8259 ± 0.005211
p1 0.4494 ± 2.474e-07
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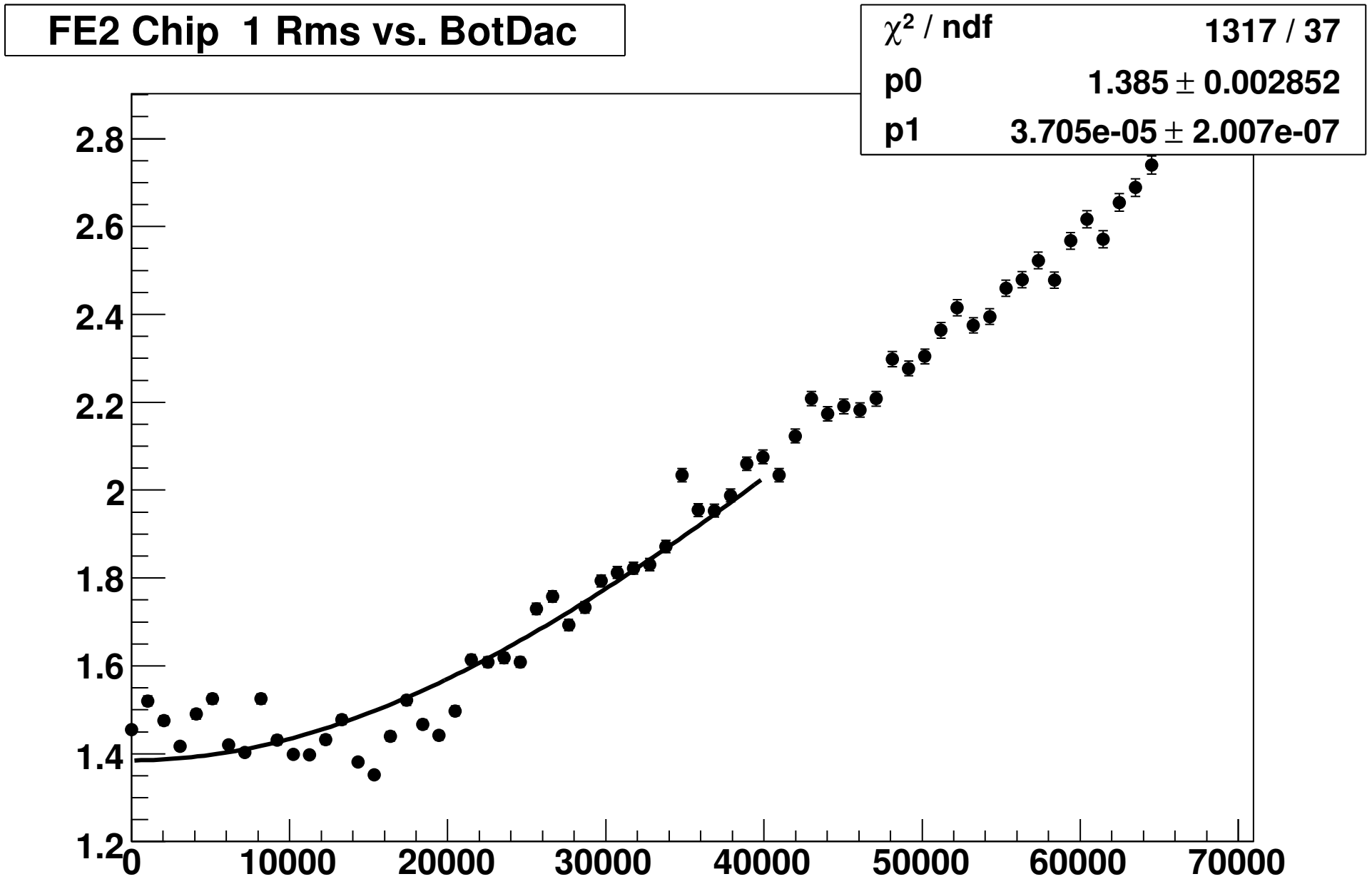
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 1317 / 37
p0 1.385 ± 0.002852
p1 3.705e-05 ± 2.007e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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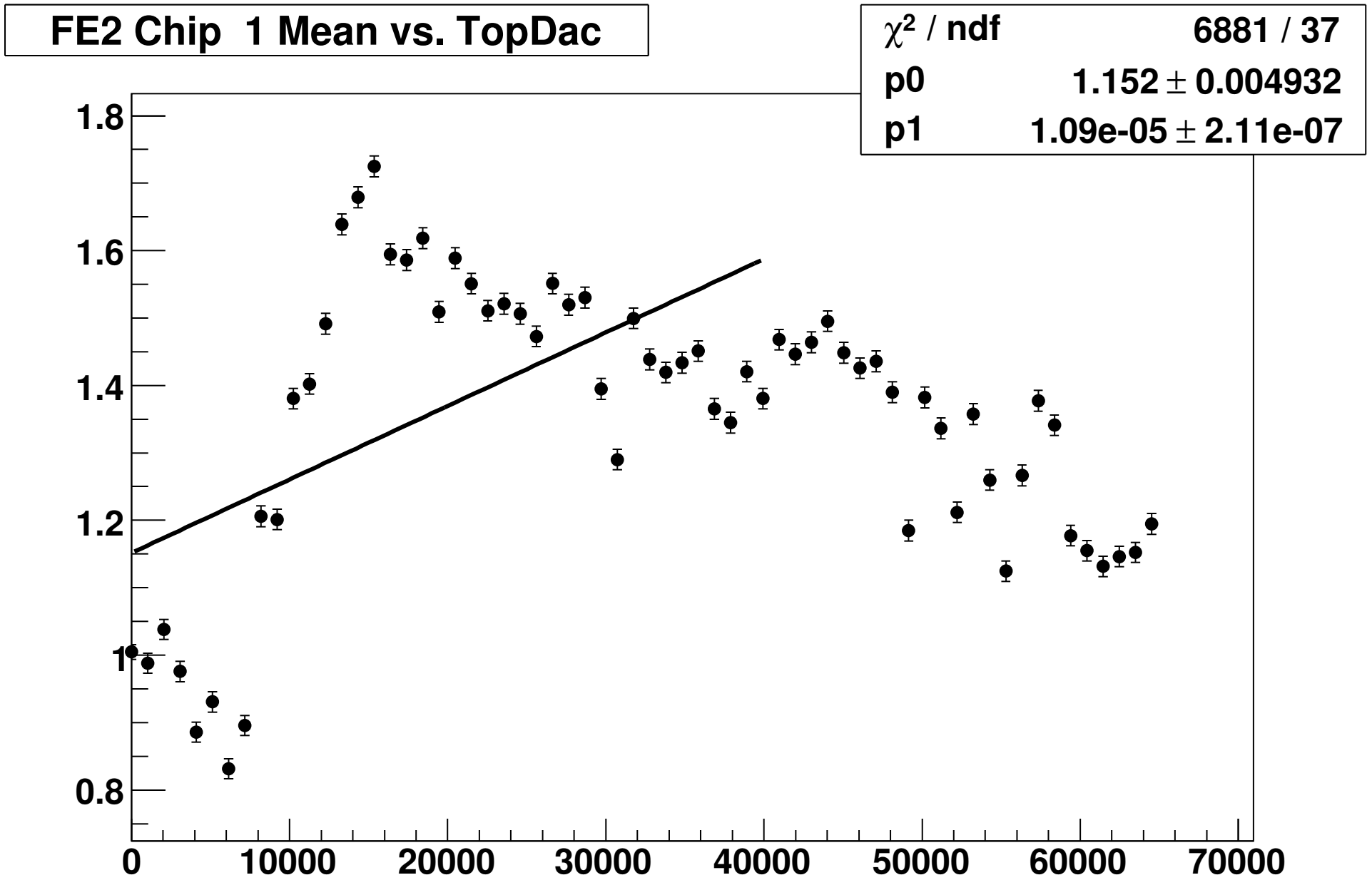
50000
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 6881 / 37
p0 1.152 ± 0.004932
p1 1.09e-05 ± 2.11e-07
1.8
1.6
1.4
1.2
1
0.8
0
10000
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50000
60000
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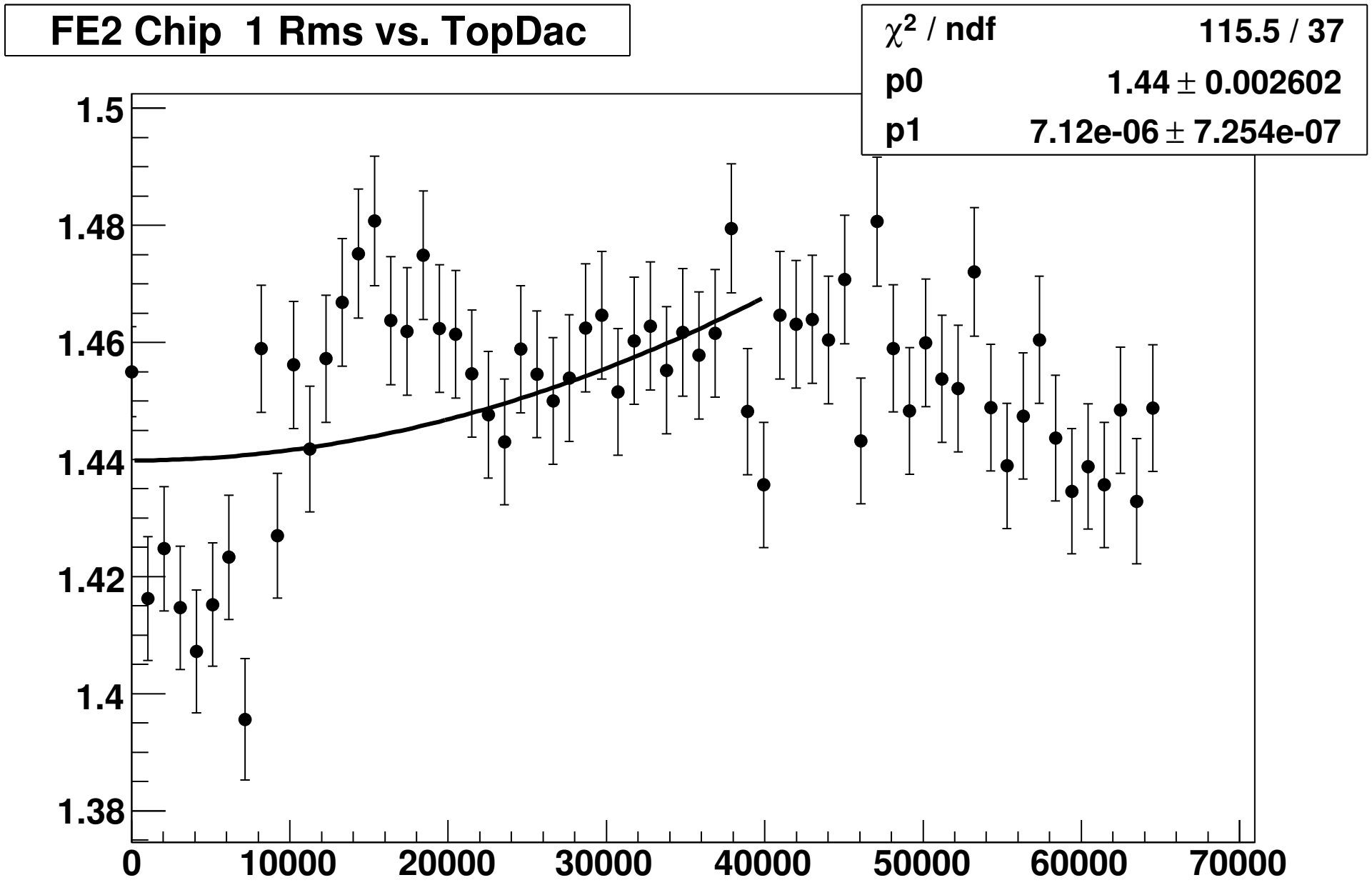
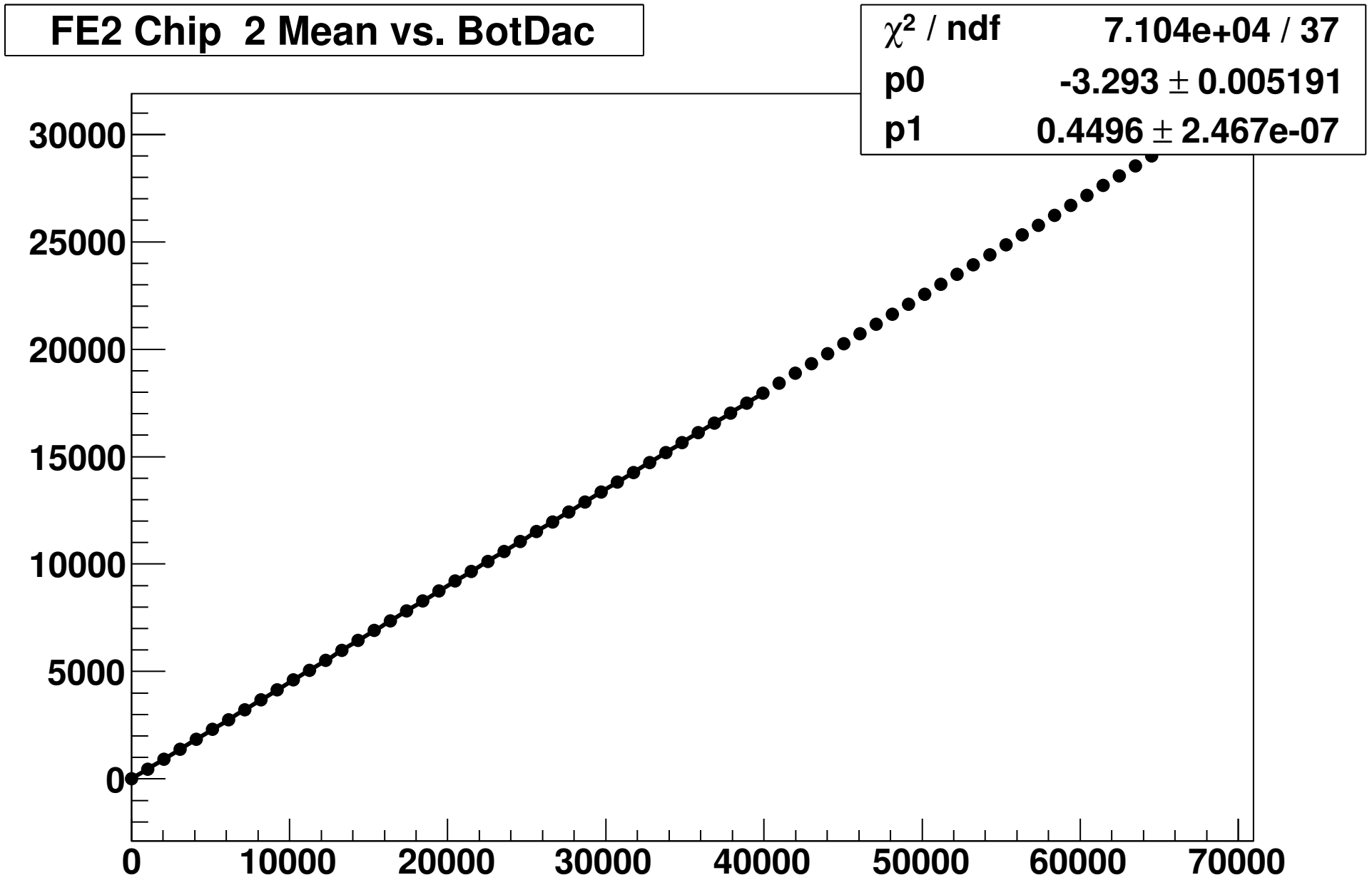

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 115.5 / 37
p0 1.44 ± 0.002602
p1 7.12e-06 ± 7.254e-07
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 7.104e+04 / 37
p0 -3.293 ± 0.005191
p1 0.4496 ± 2.467e-07
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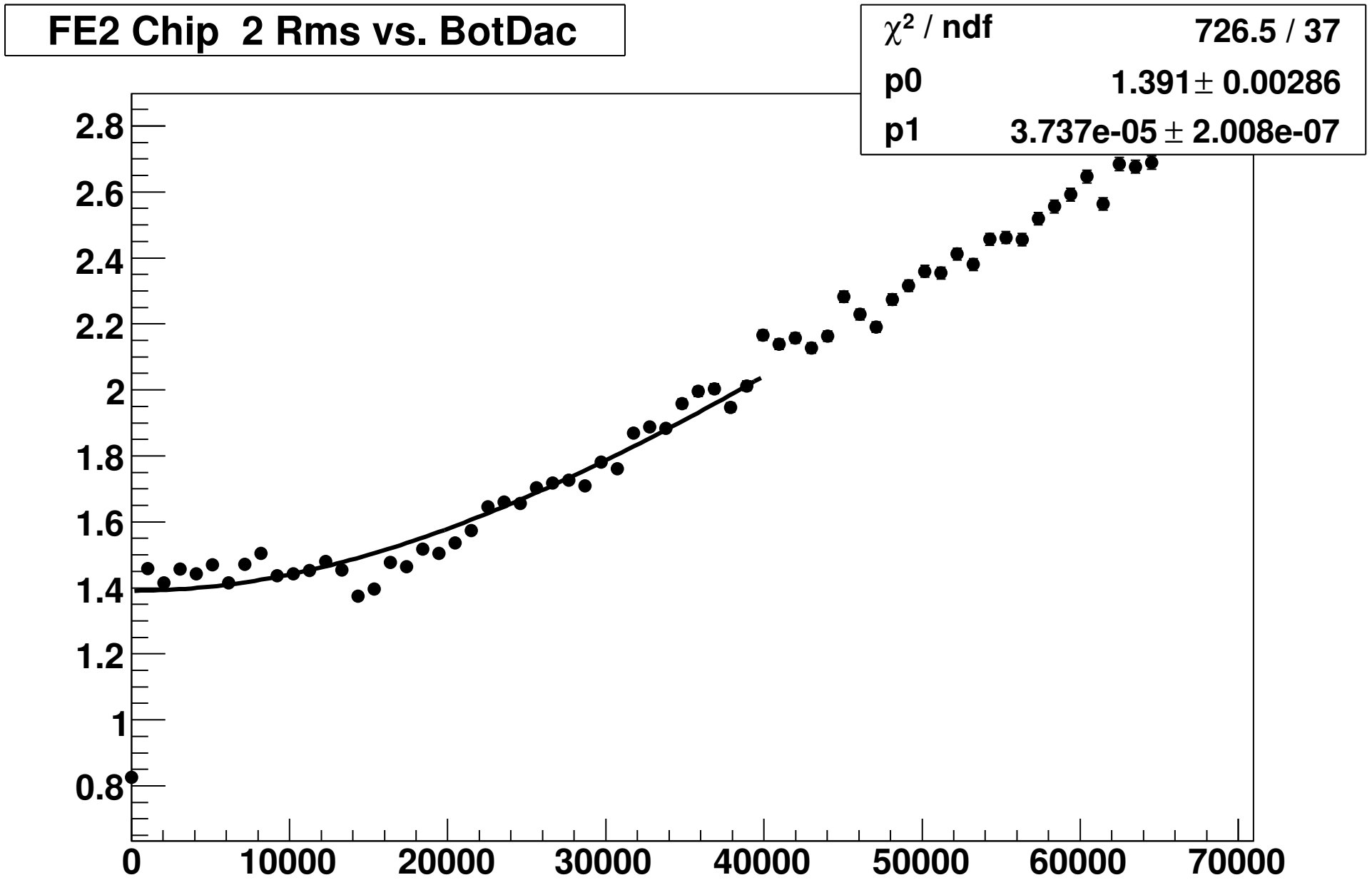
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 726.5 / 37
p0 1.391 ± 0.00286
p1 3.737e-05 ± 2.008e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
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60000
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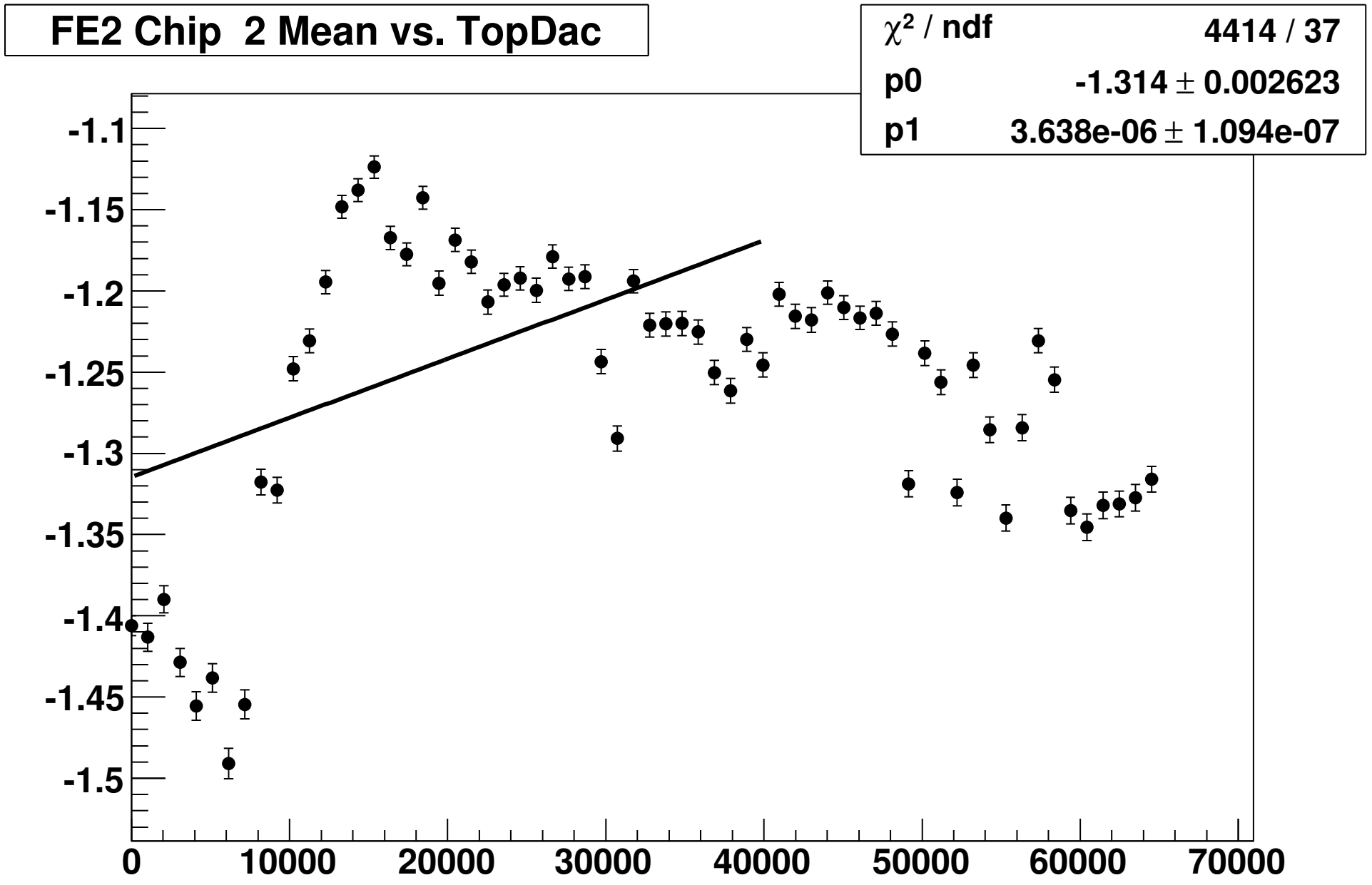
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 4414 / 37
p0 -1.314 ± 0.002623
p1 3.638e-06 ± 1.094e-07
-1.1
-1.15
-1.2
-1.25
-1.3
-1.35
-1.4
-1.45
-1.5
0
10000
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30000
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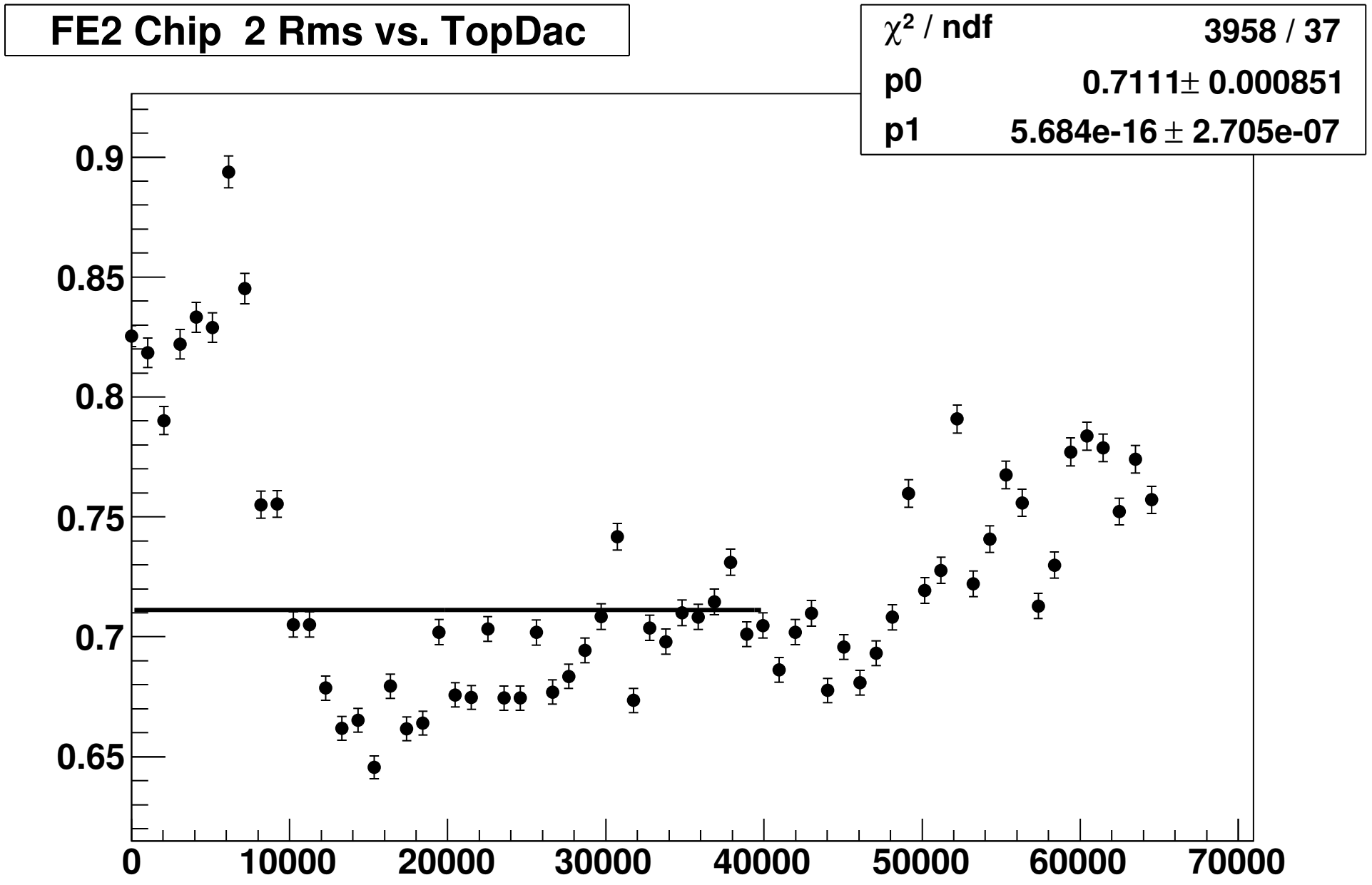
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 3958 / 37
p0 0.7111± 0.000851
p1 5.684e-16 ± 2.705e-07
0.9
0.85
0.8
0.75
0.7
0.65
0
10000
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30000
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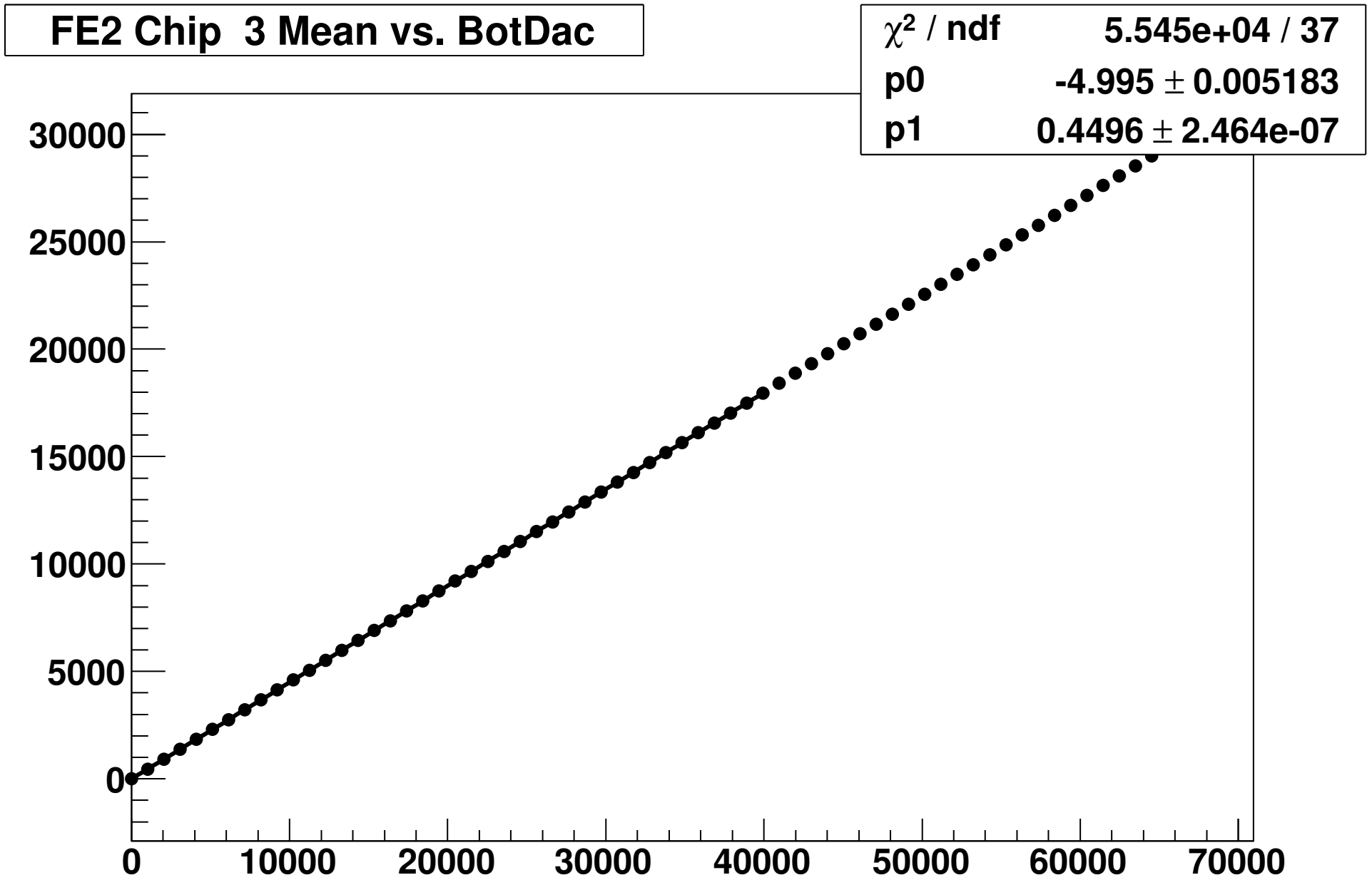
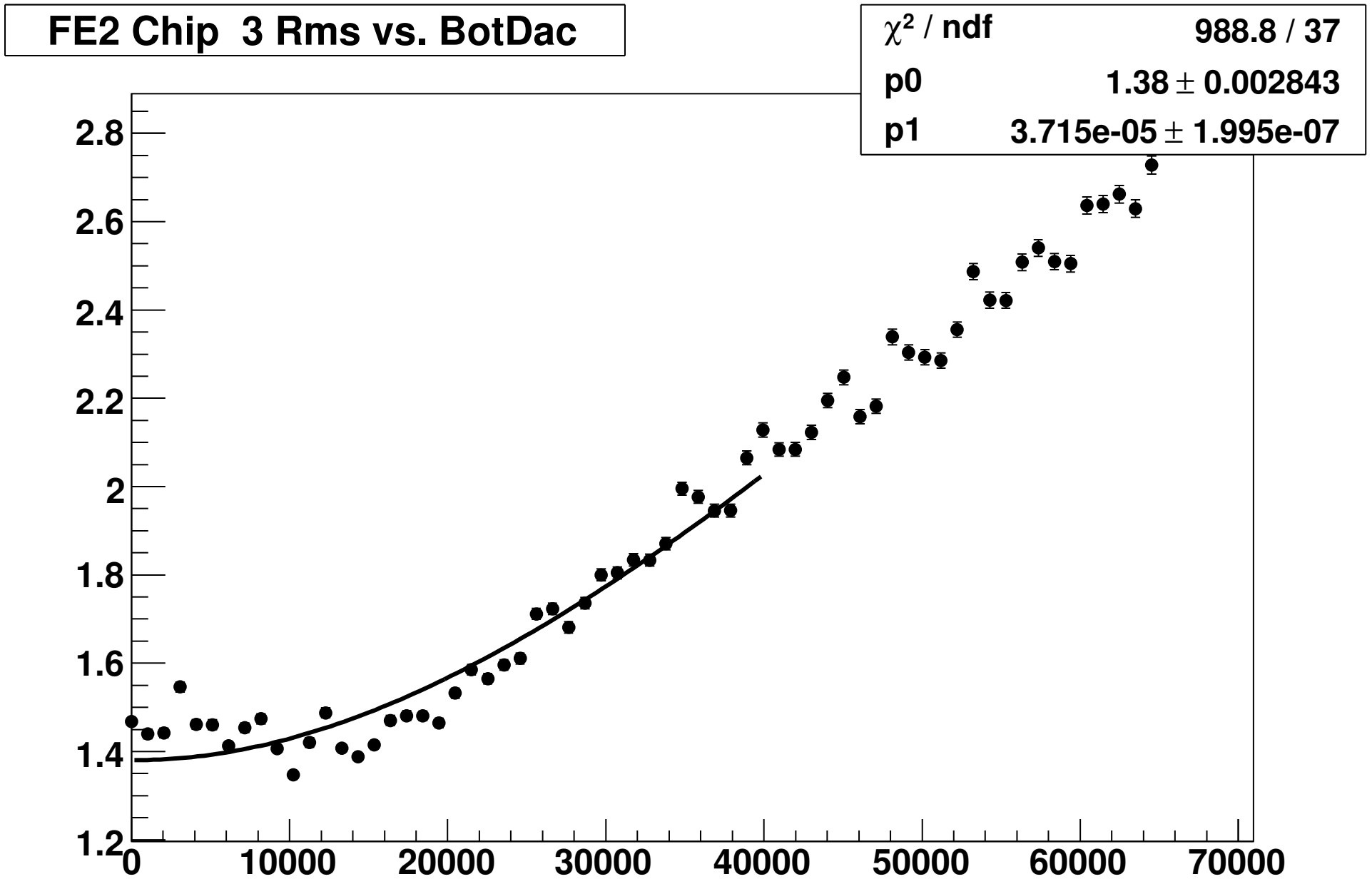
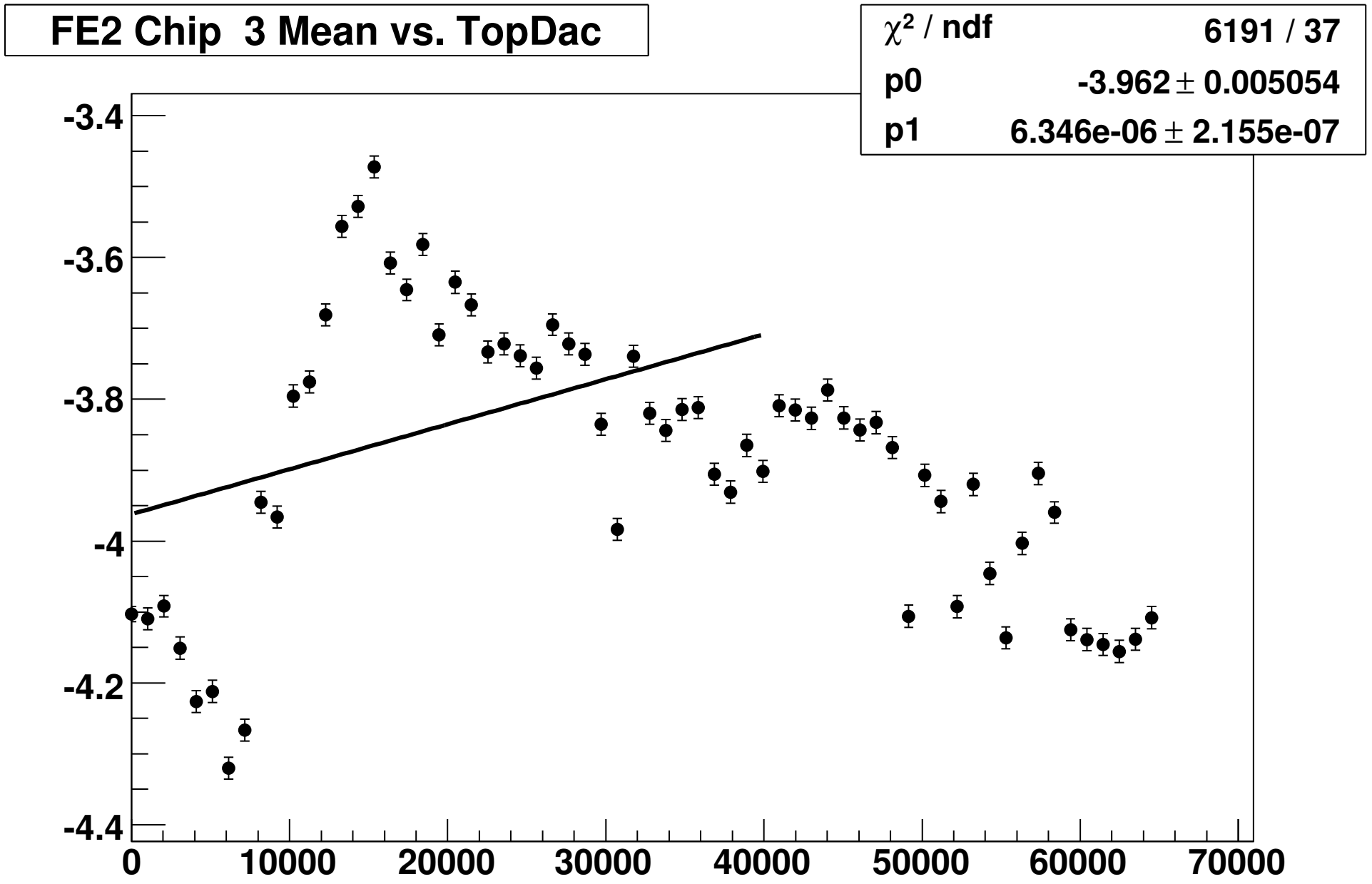
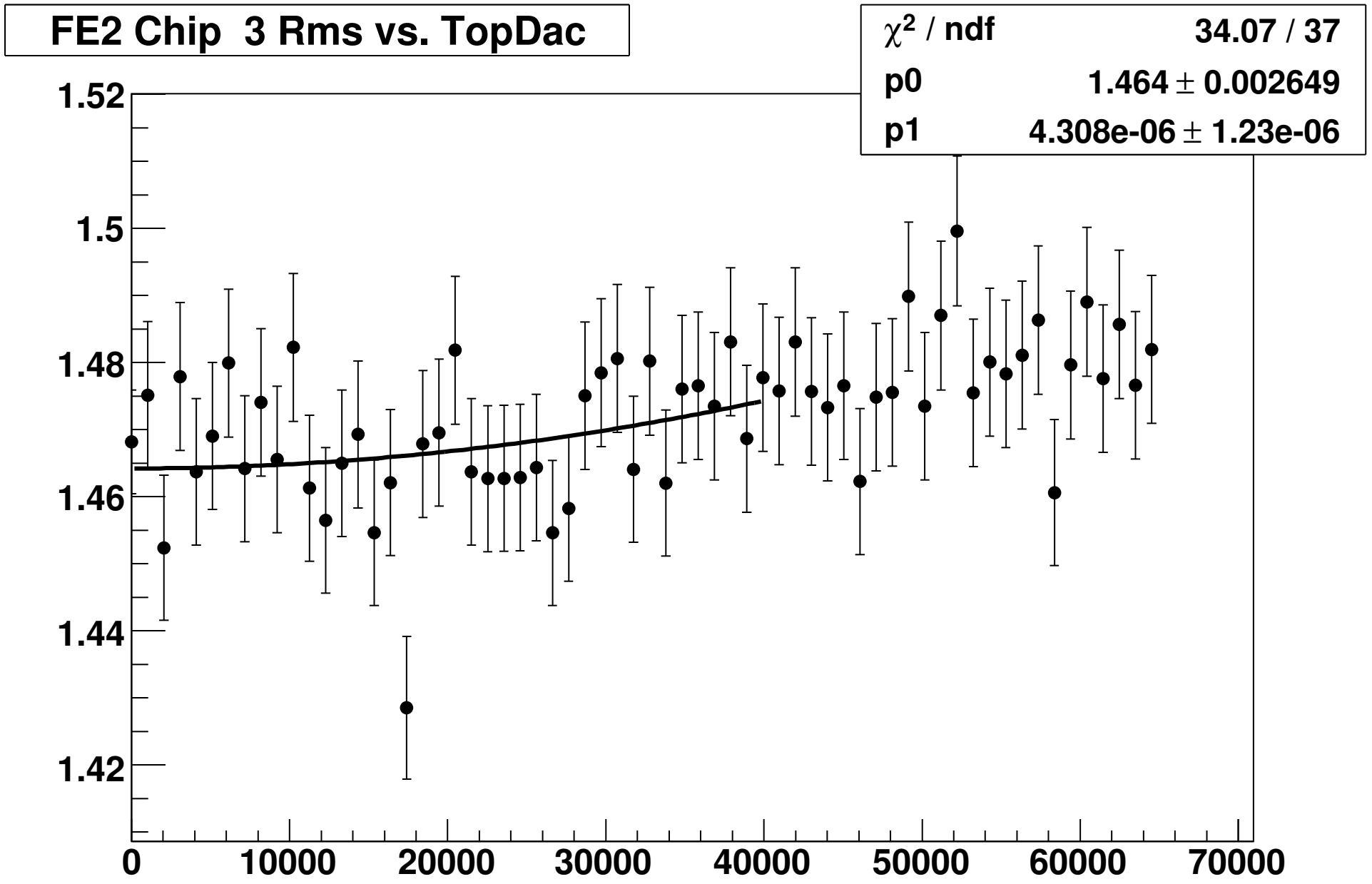
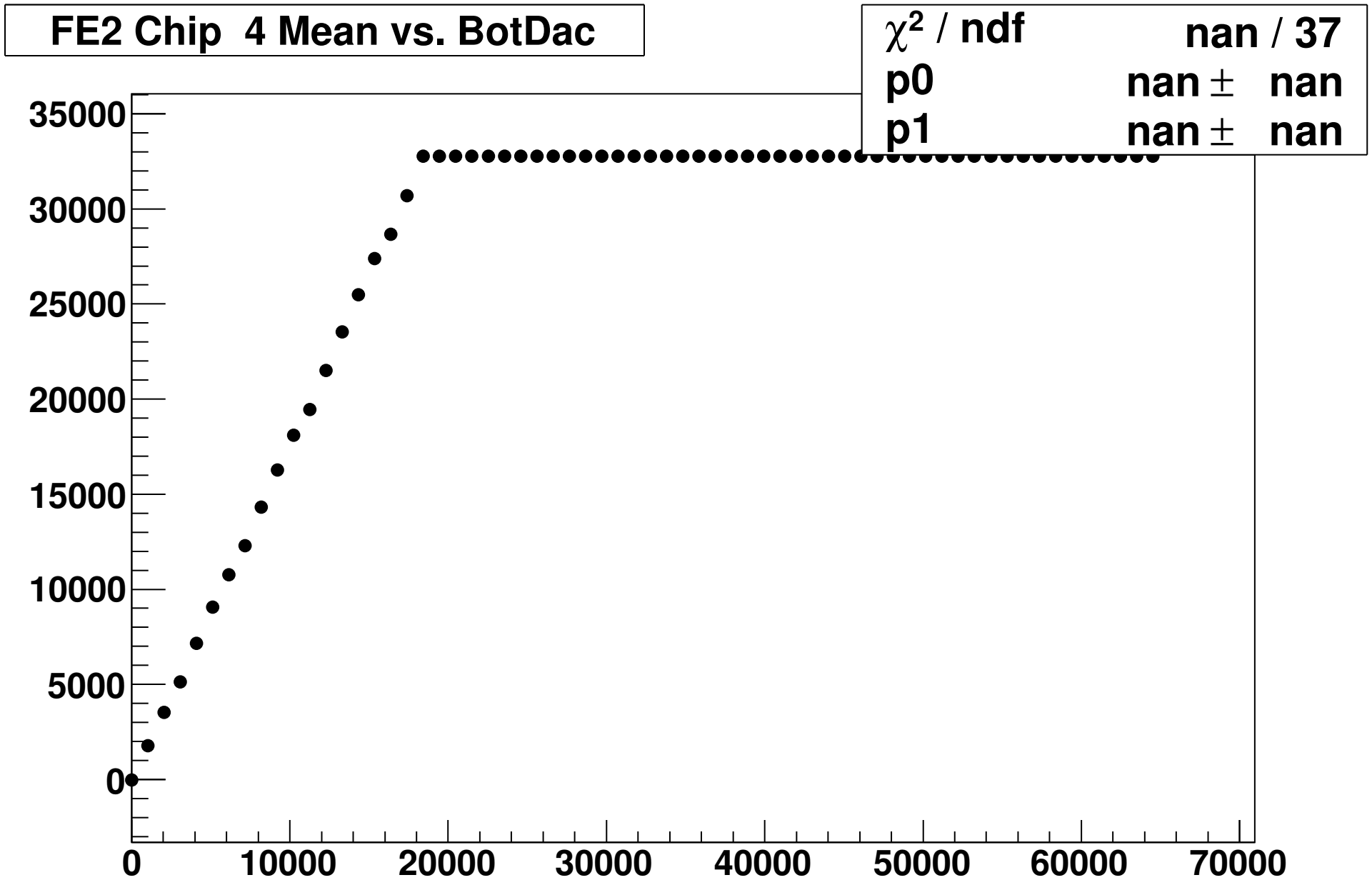
60000
70000

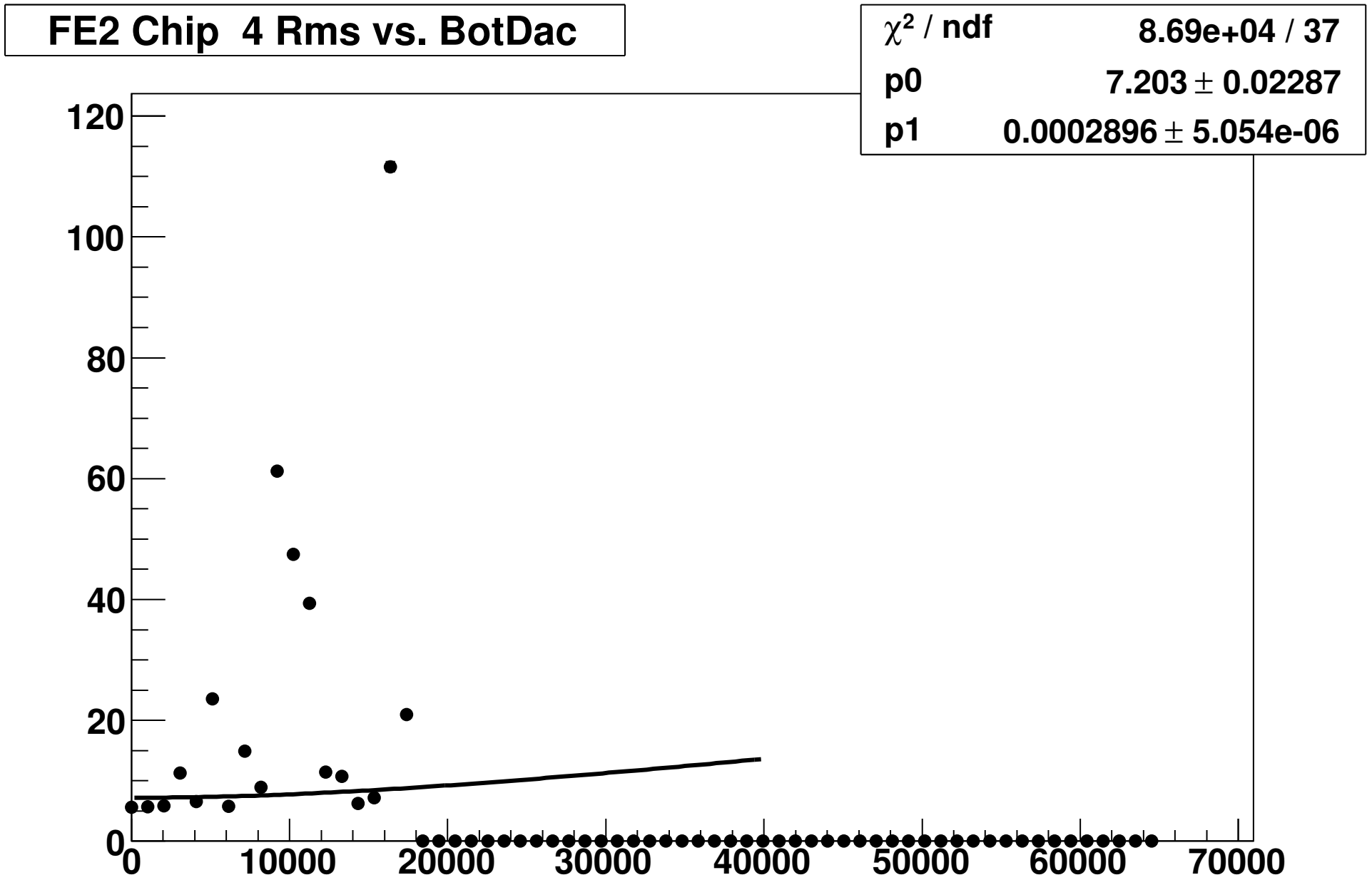

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 5.545e+04 / 37
p0 -4.995 ± 0.005183
p1 0.4496 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

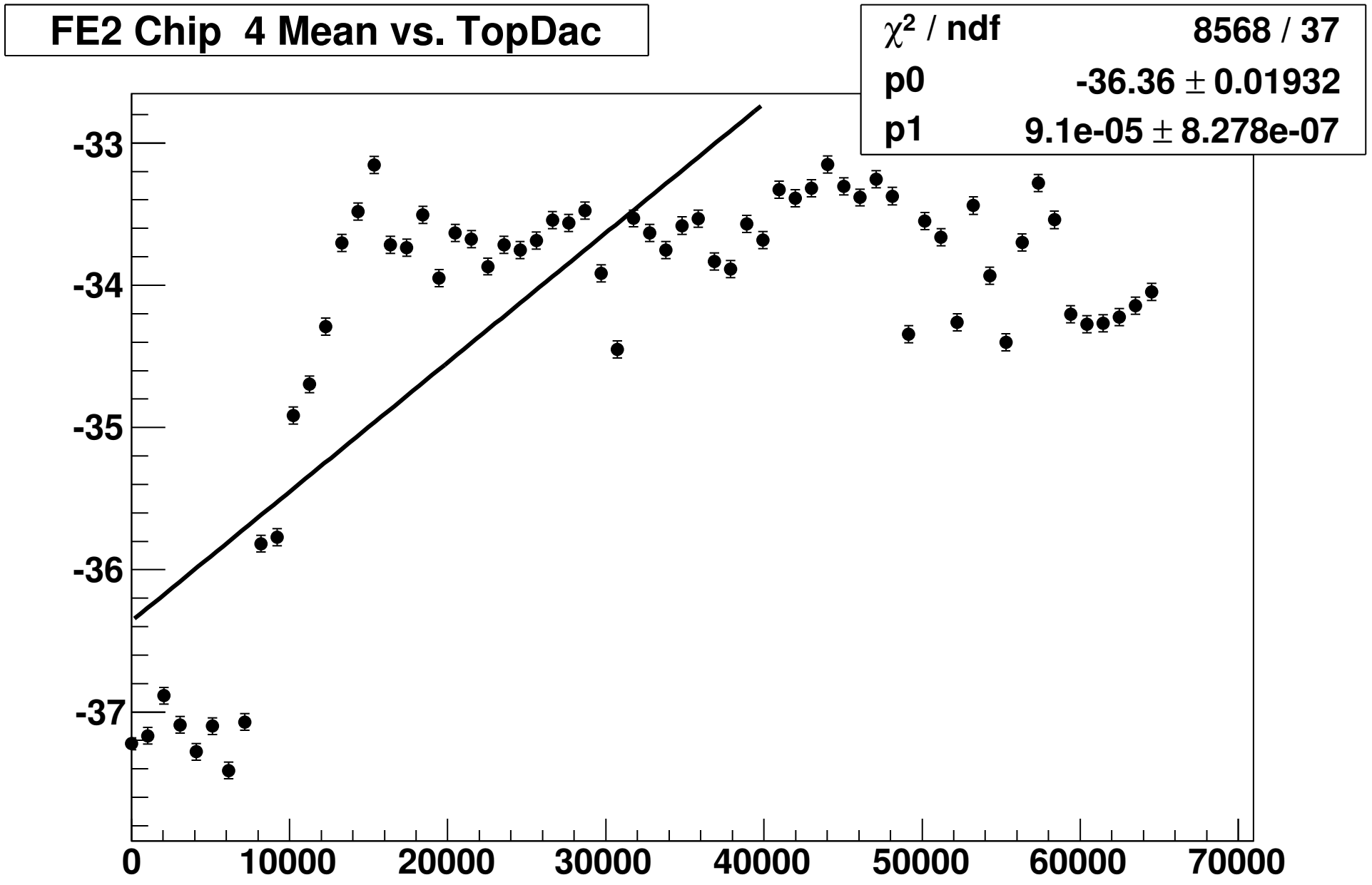

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 988.8 / 37
p0 1.38 ± 0.002843
p1 3.715e-05 ± 1.995e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

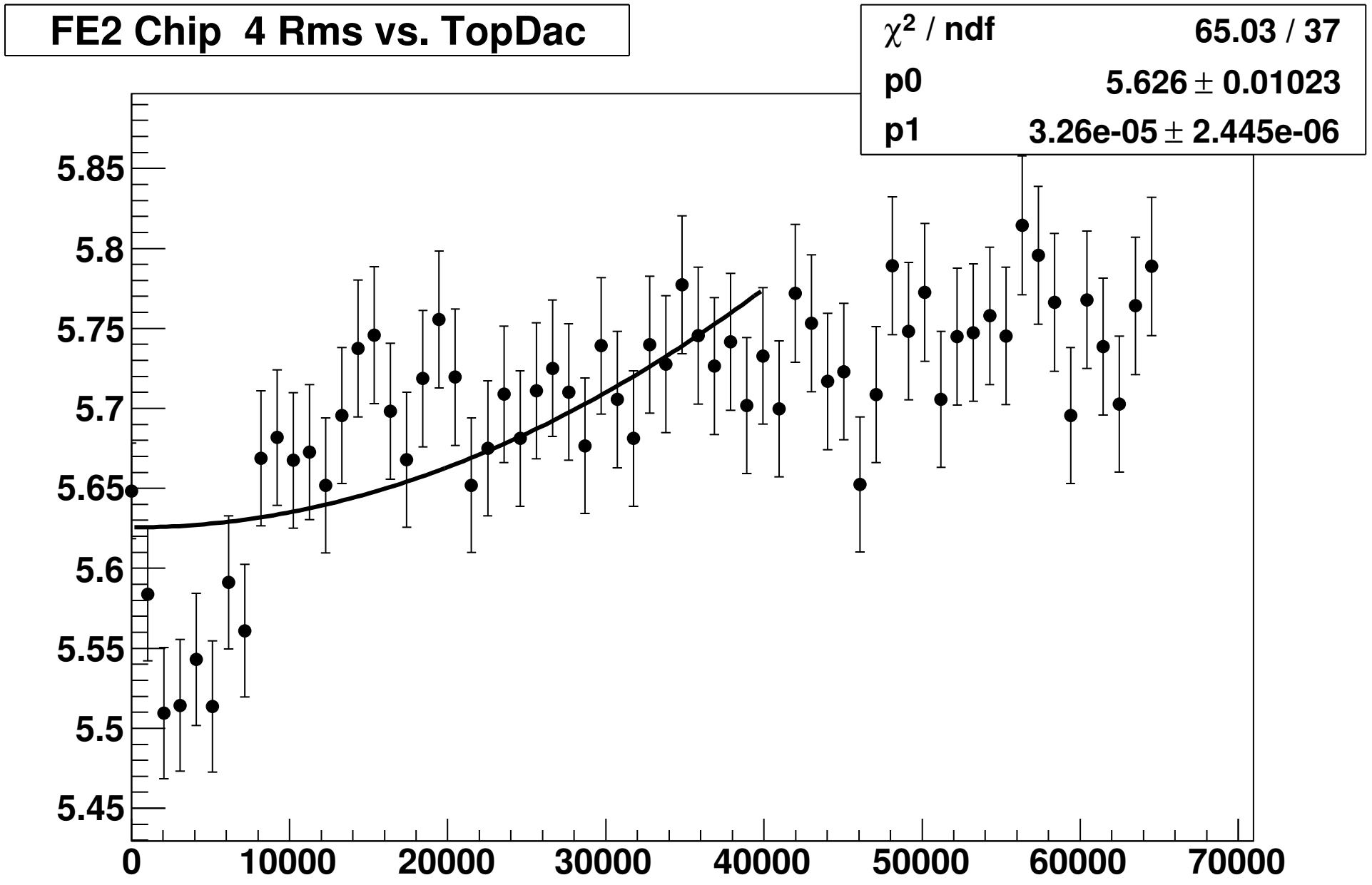

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 6191 / 37
p0 -3.962 ± 0.005054
p1 6.346e-06 ± 2.155e-07
-3.4
-3.6
-3.8
-4
-4.2
-4.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 34.07 / 37
p0 1.464 ± 0.002649
p1 4.308e-06 ± 1.23e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 8.69e+04 / 37
p0 7.203 ± 0.02287
p1 0.0002896 ± 5.054e-06
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 8568 / 37
p0 -36.36 ± 0.01932
p1 9.1e-05 ± 8.278e-07
-33
-34
-35
-36
-37
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 65.03 / 37
p0 5.626 ± 0.01023
p1 3.26e-05 ± 2.445e-06
5.85
5.8
5.75
5.7
5.65
5.6
5.55
5.5
5.45
0
10000
20000
30000
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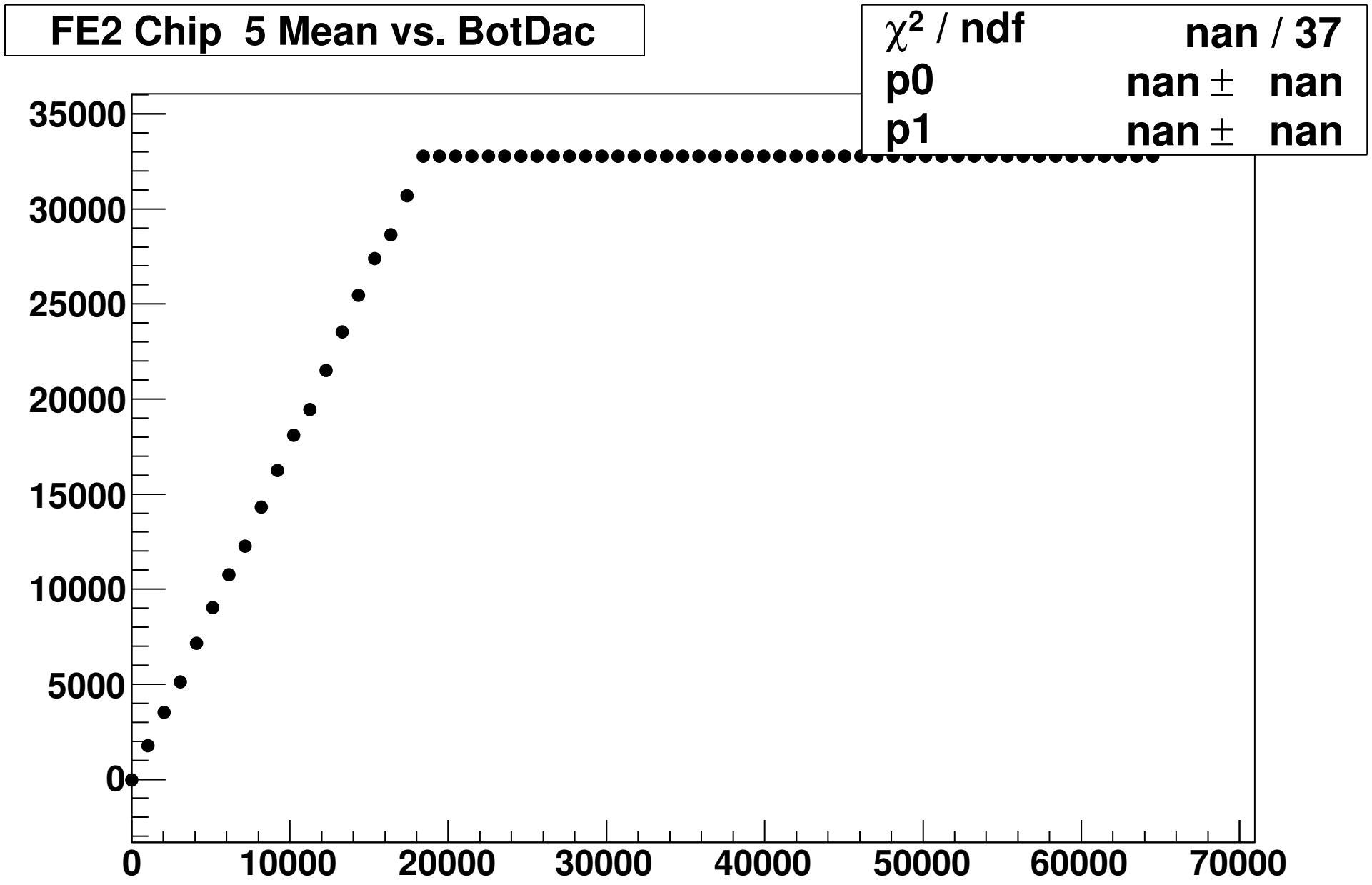
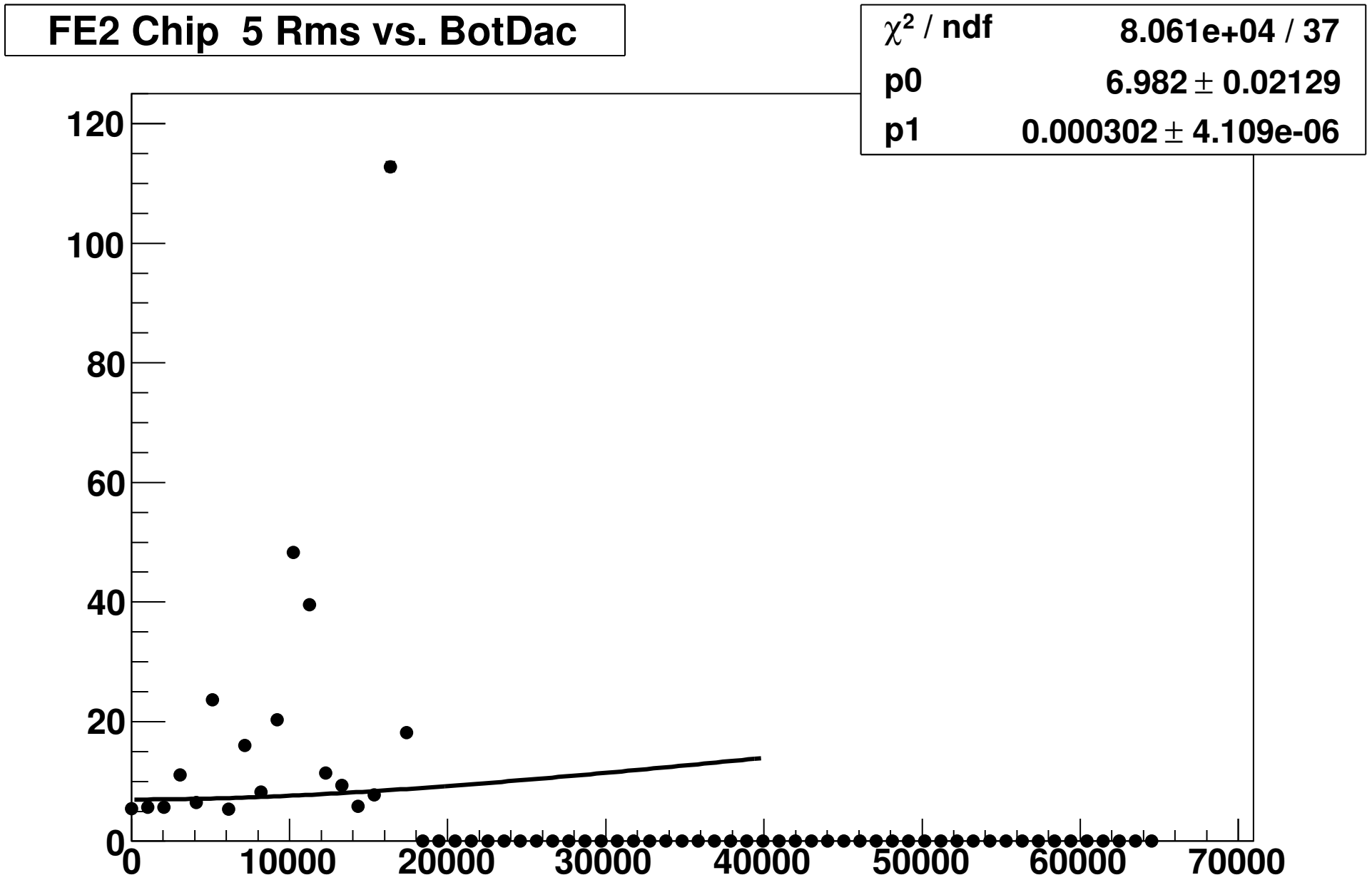
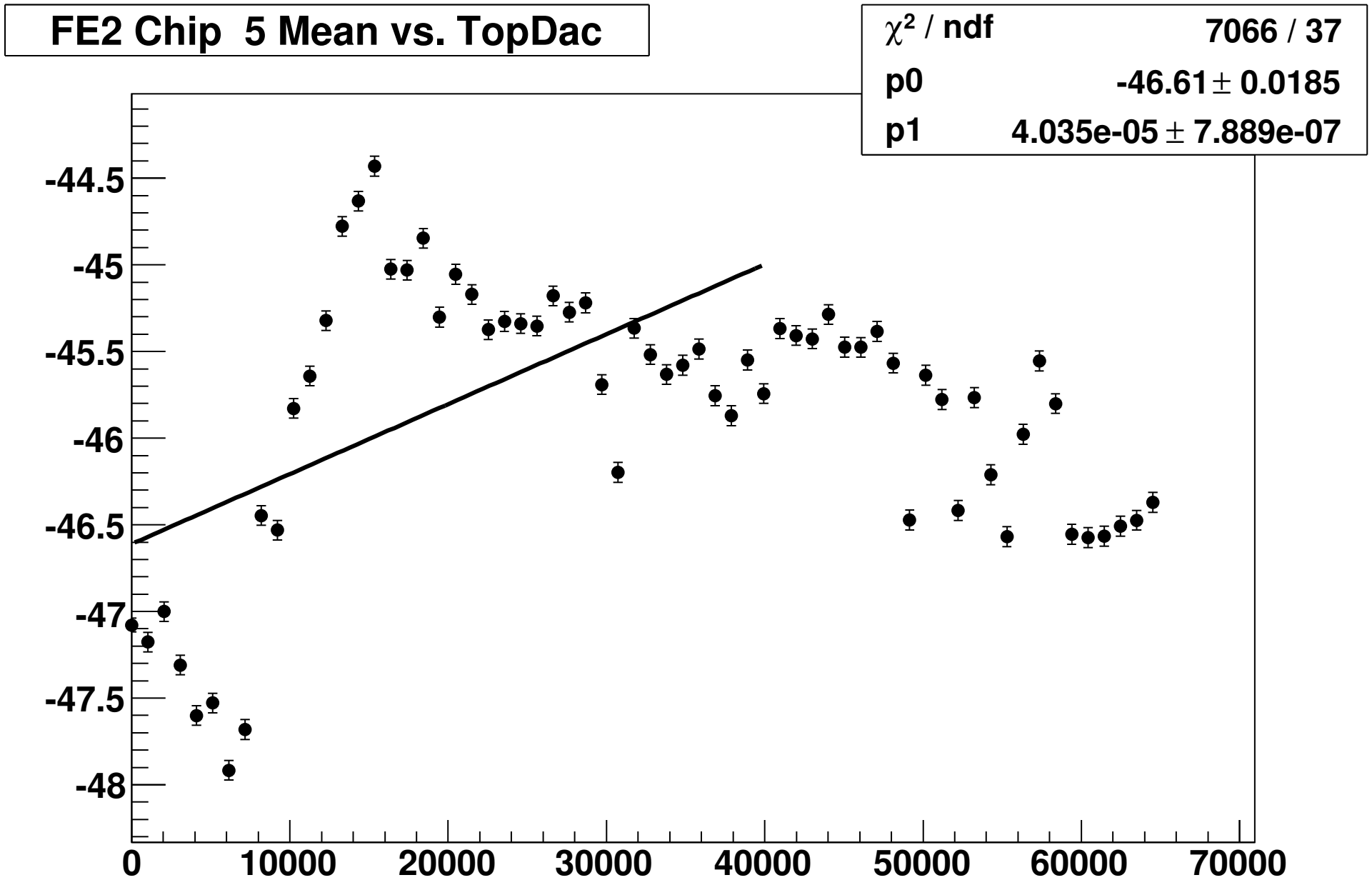
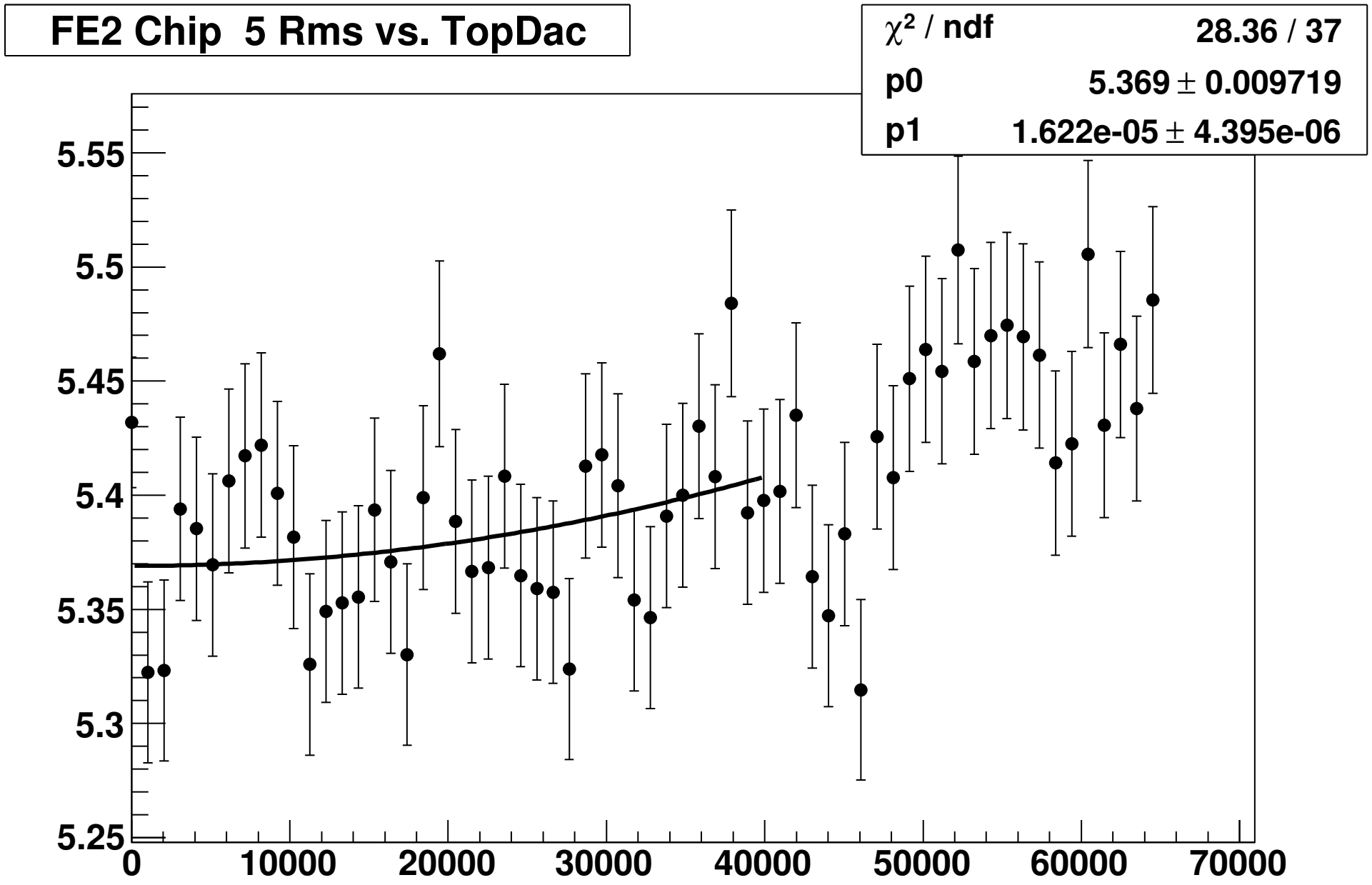
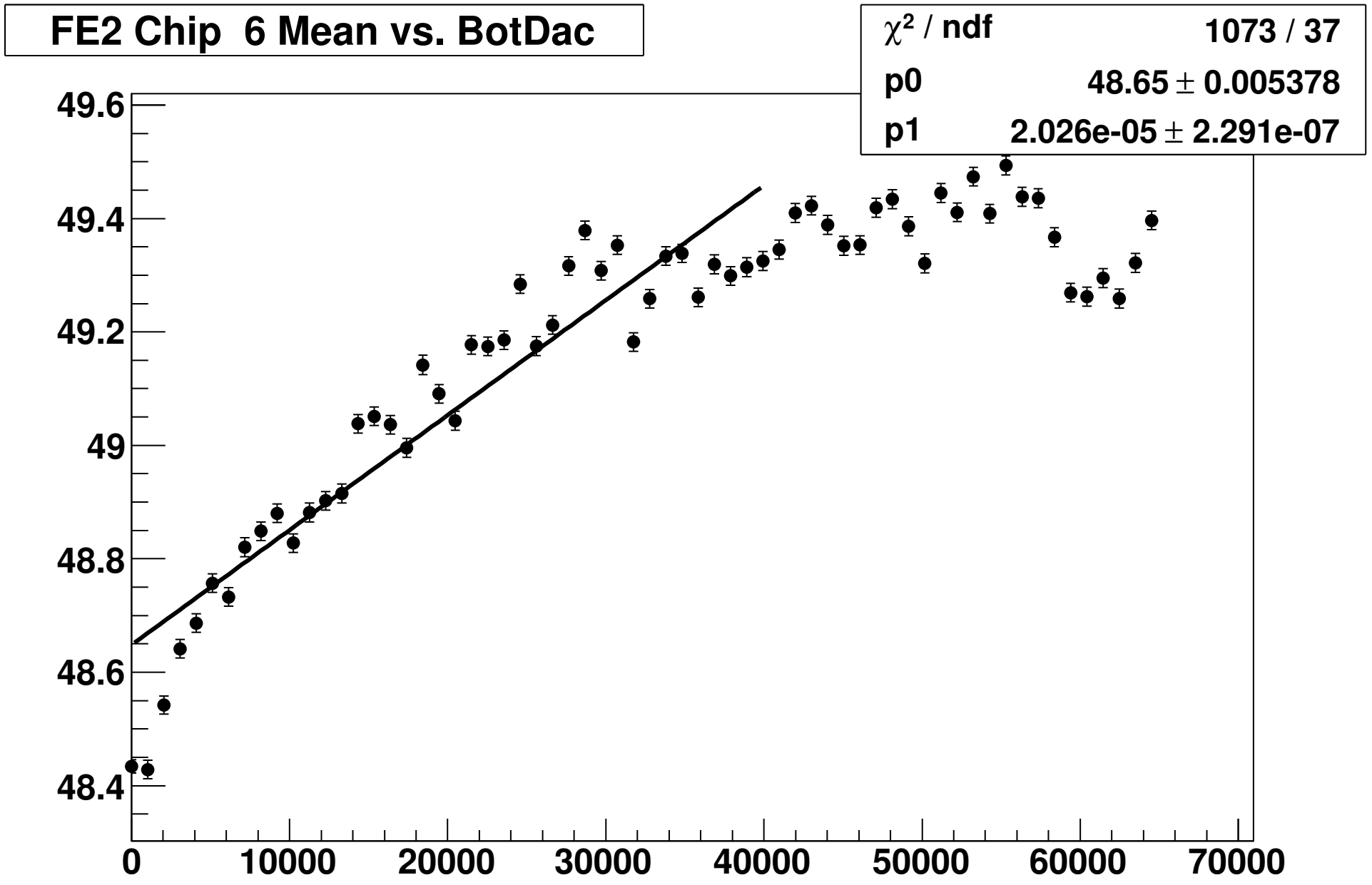
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 8.061e+04 / 37
p0 6.982 ± 0.02129
p1 0.000302 ± 4.109e-06
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 7066 / 37
p0 -46.61 ± 0.0185
p1 4.035e-05 ± 7.889e-07
-44.5
-45
-45.5
-46
-46.5
-47
-47.5
-48
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 28.36 / 37
p0 5.369 ± 0.009719
p1 1.622e-05 ± 4.395e-06
5.55
5.5
5.45
5.4
5.35
5.3
5.25
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 1073 / 37
p0 48.65 ± 0.005378
p1 2.026e-05 ± 2.291e-07
49.6
49.4
49.2
49
48.8
48.6
48.4
0
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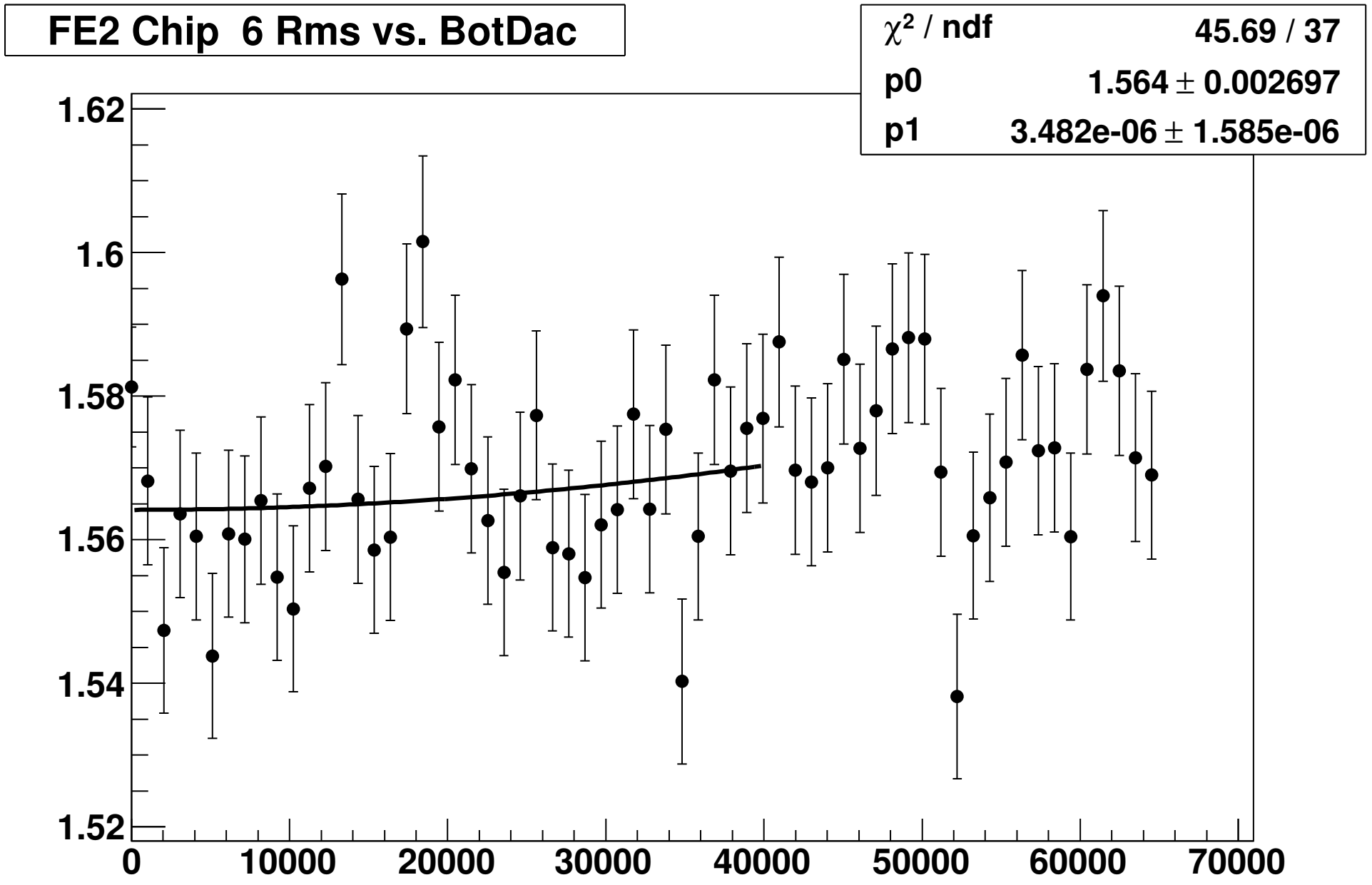
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 45.69 / 37
p0 1.564 ± 0.002697
p1 3.482e-06 ± 1.585e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
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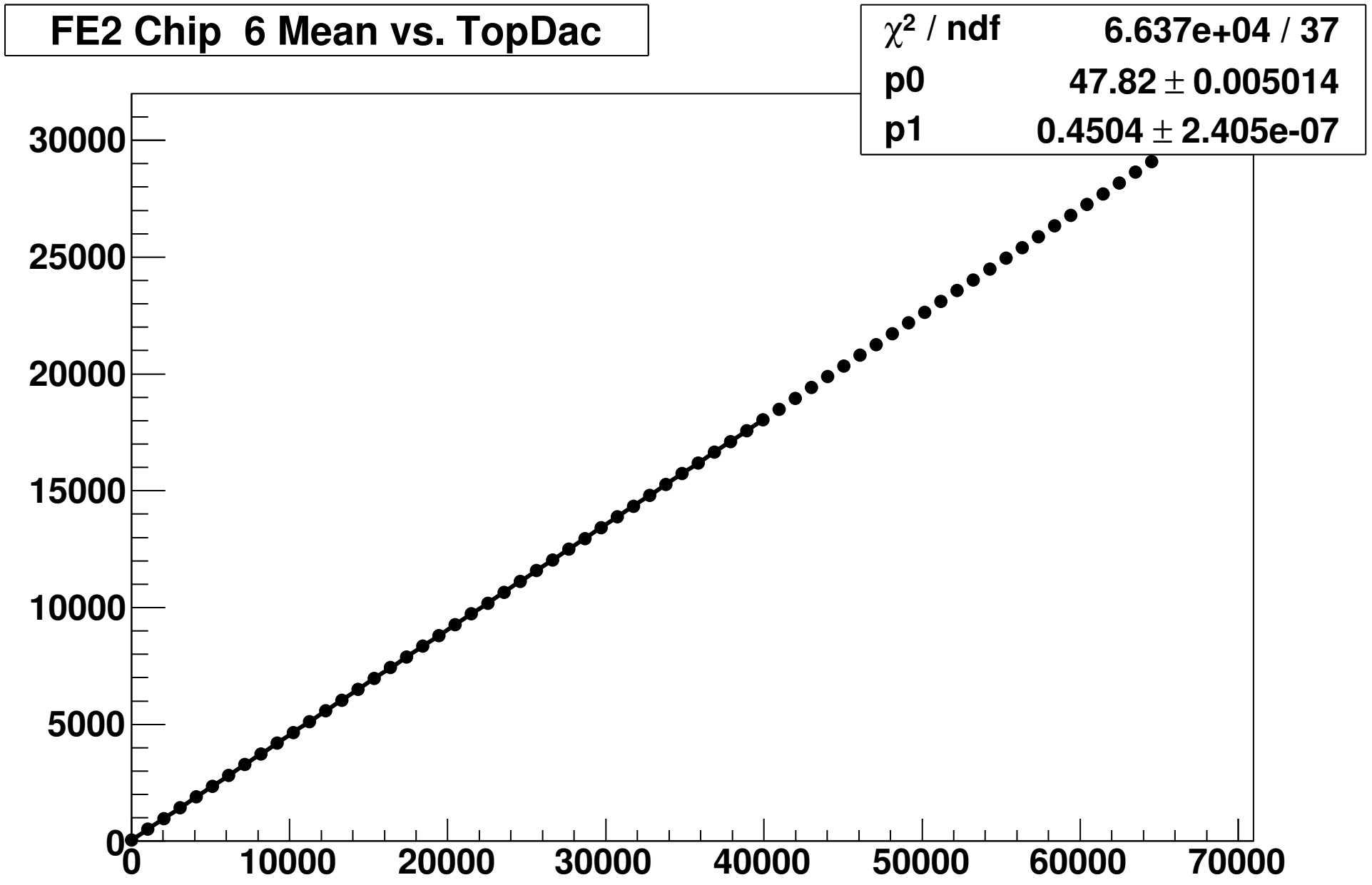
FE2 Chip 6 Mean vs. TopDac
χ² / ndf 6.637e+04 / 37
p0 47.82 ± 0.005014
p1 0.4504 ± 2.405e-07
30000
25000
20000
15000
10000
5000
0
0
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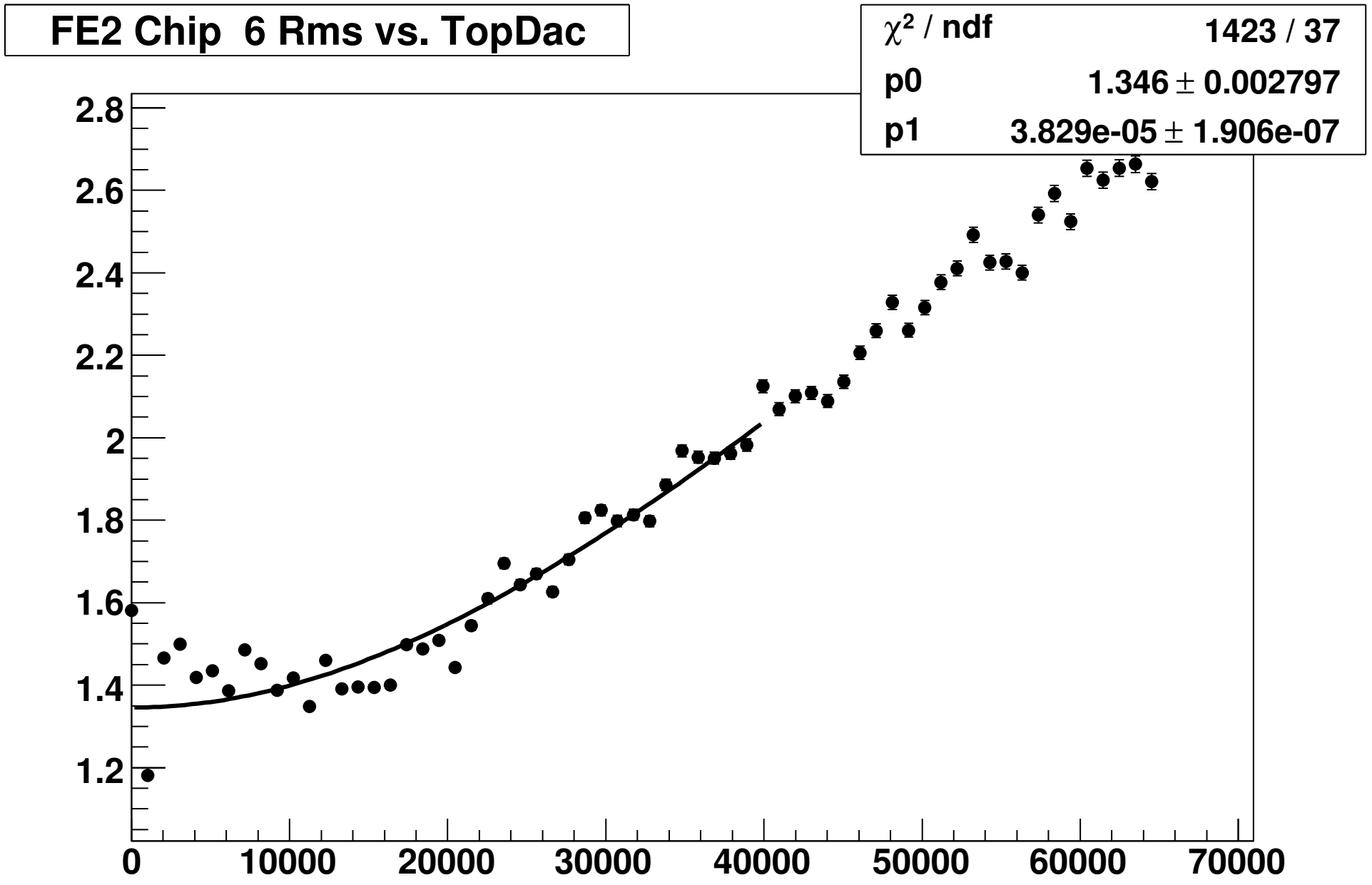
FE2 Chip 6 Rms vs. TopDac
χ² / ndf 1423 / 37
p0 1.346 ± 0.002797
p1 3.829e-05 ± 1.906e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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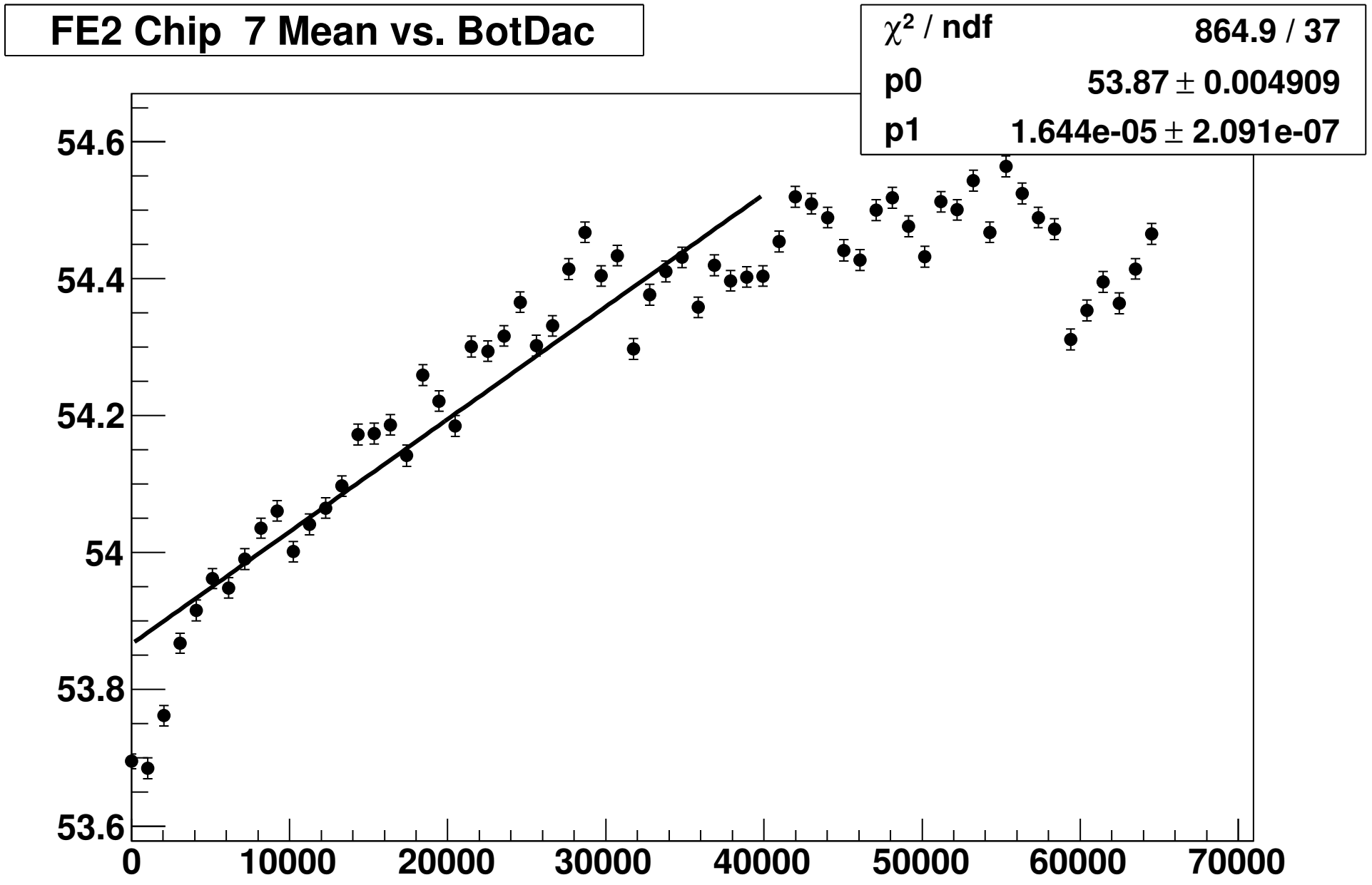
FE2 Chip 7 Mean vs. BotDac
χ² / ndf 864.9 / 37
p0 53.87 ± 0.004909
p1 1.644e-05 ± 2.091e-07
54.6
54.4
54.2
54
53.8
53.6
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60000
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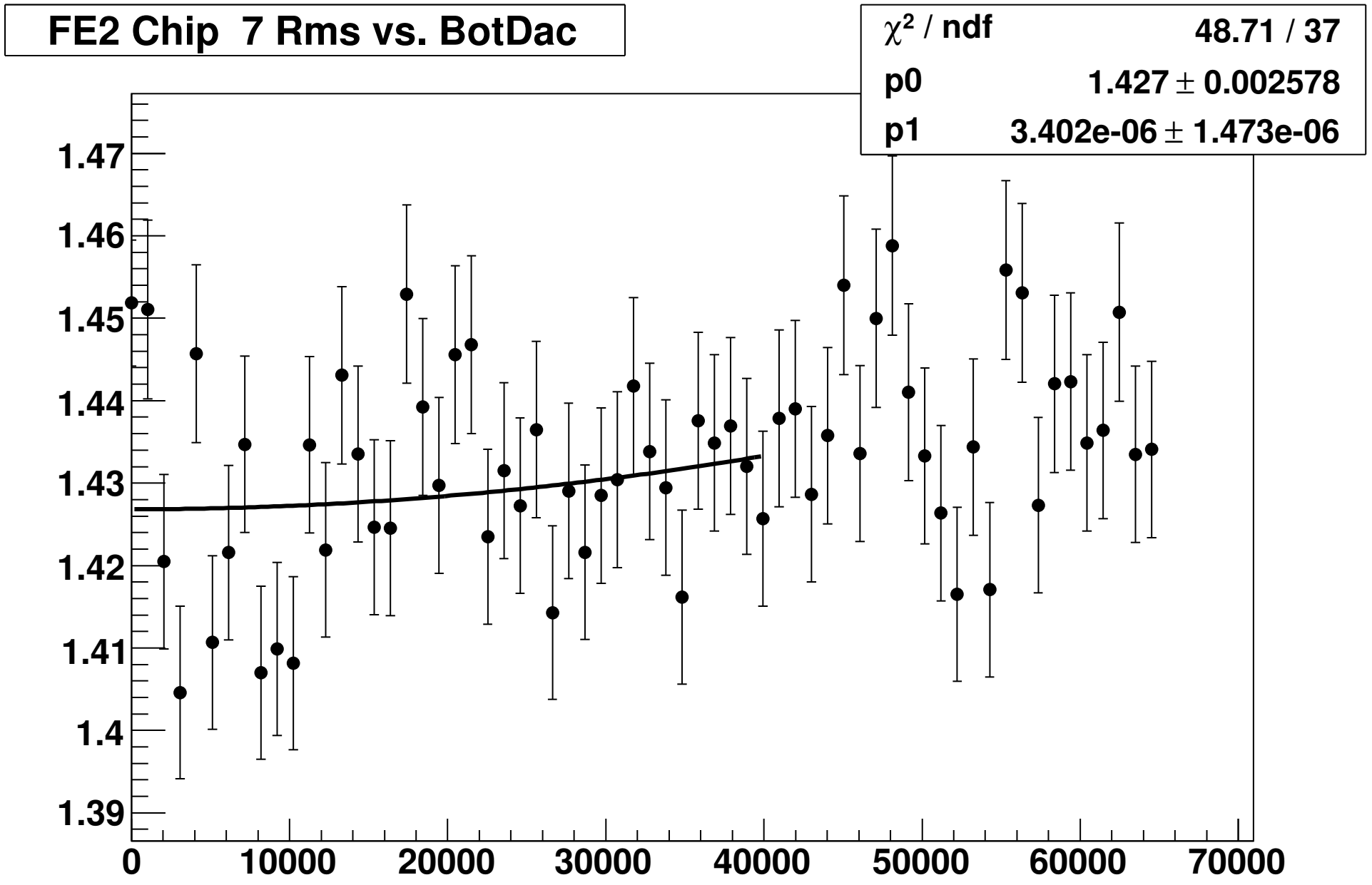
FE2 Chip 7 Rms vs. BotDac
χ² / ndf 48.71 / 37
p0 1.427 ± 0.002578
p1 3.402e-06 ± 1.473e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
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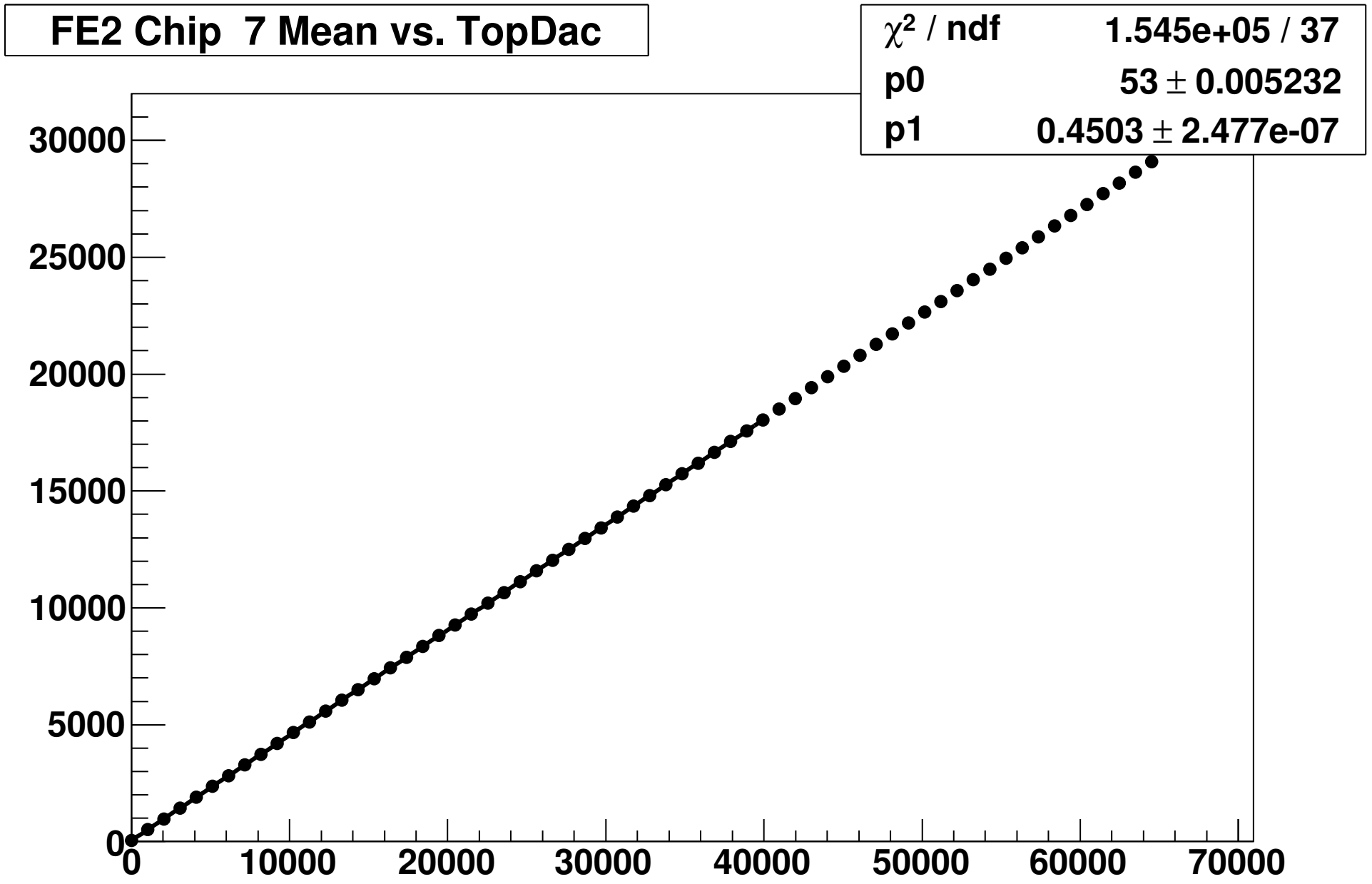
FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.545e+05 / 37
p0 53 ± 0.005232
p1 0.4503 ± 2.477e-07
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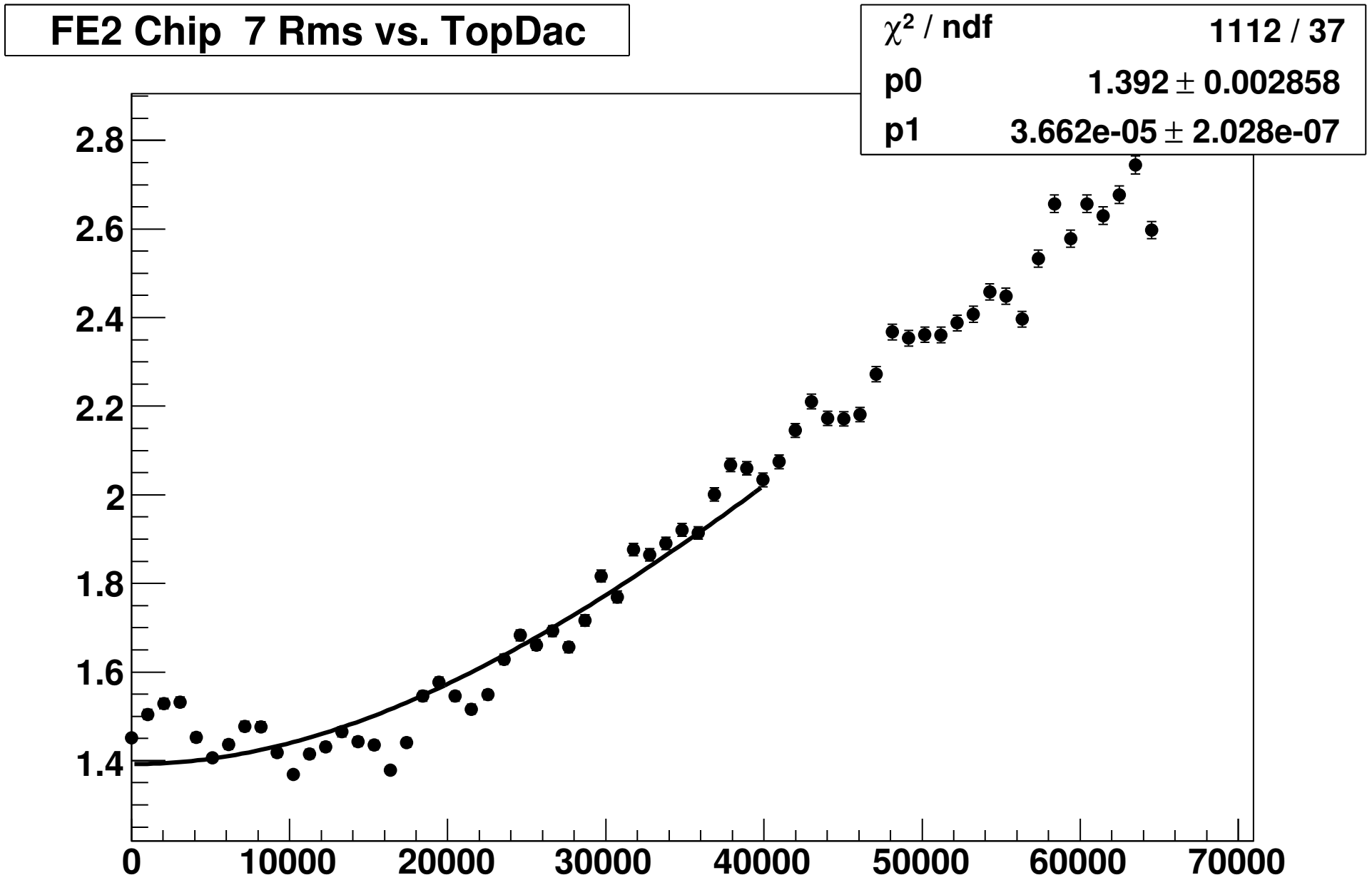
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1112 / 37
p0 1.392 ± 0.002858
p1 3.662e-05 ± 2.028e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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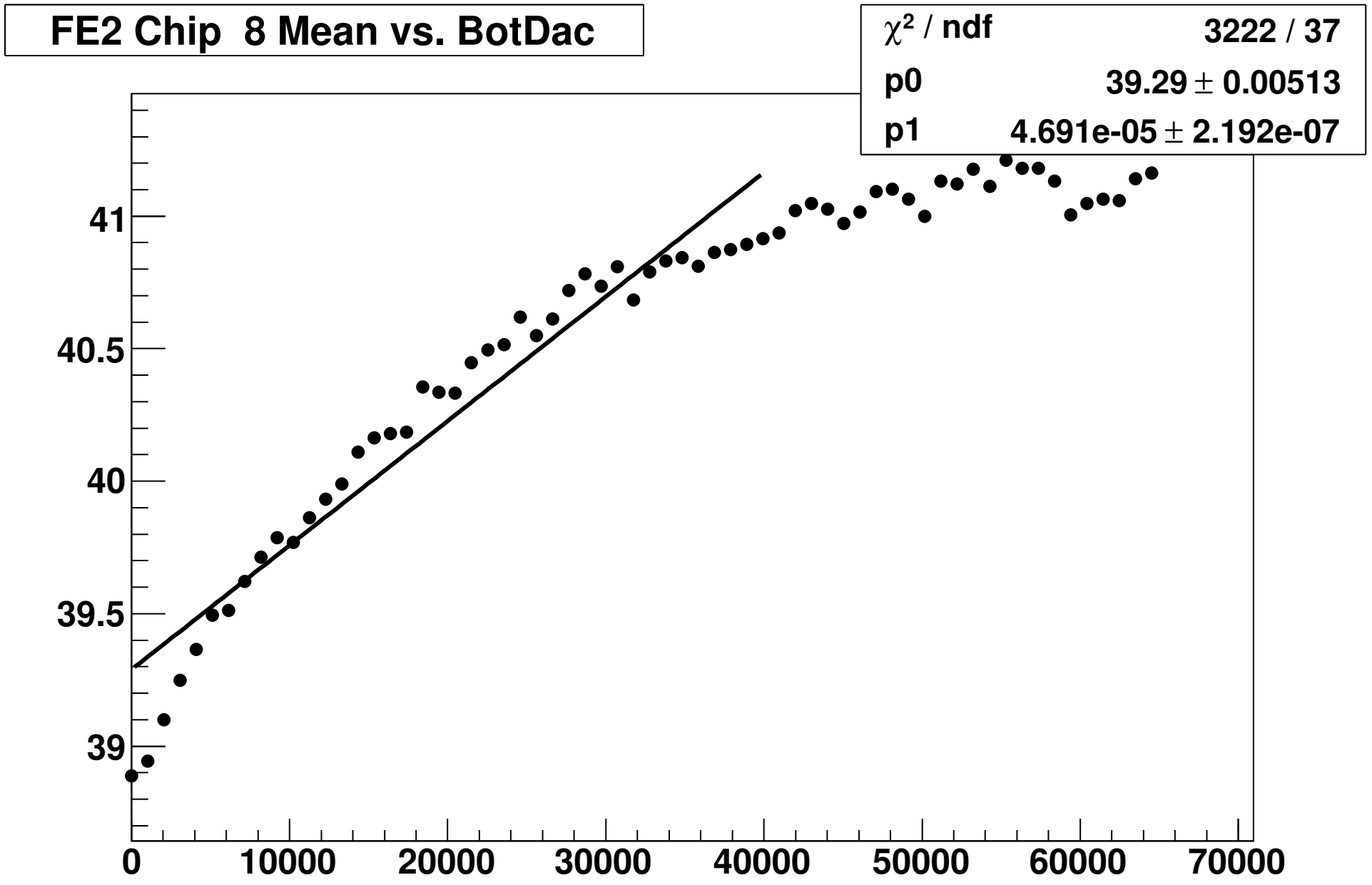
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 3222 / 37
p0 39.29 ± 0.00513
p1 4.691e-05 ± 2.192e-07
41
40.5
40
39.5
39
0
10000
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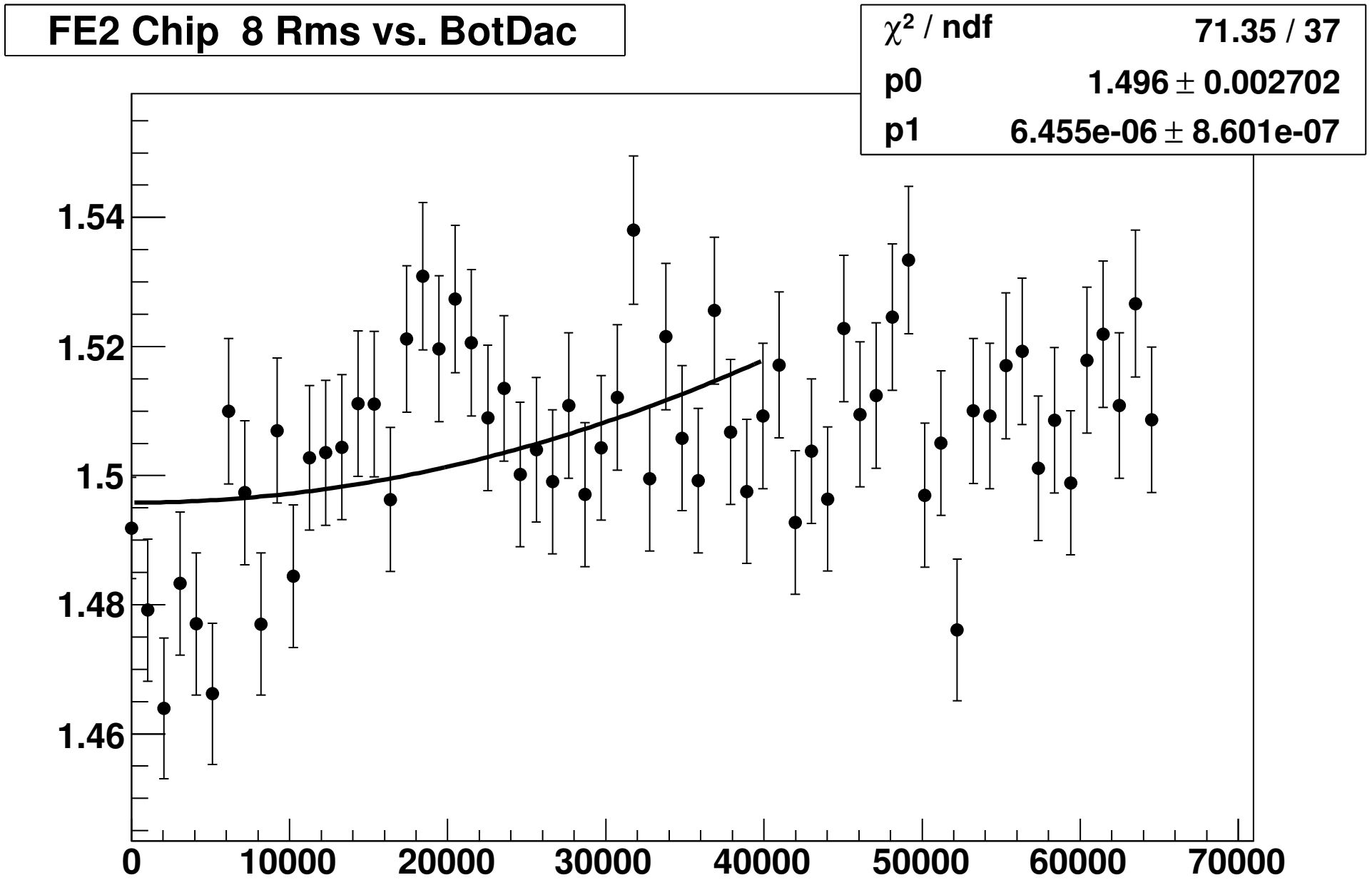
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 71.35 / 37
p0 1.496 ± 0.002702
p1 6.455e-06 ± 8.601e-07
1.54
1.52
1.5
1.48
1.46
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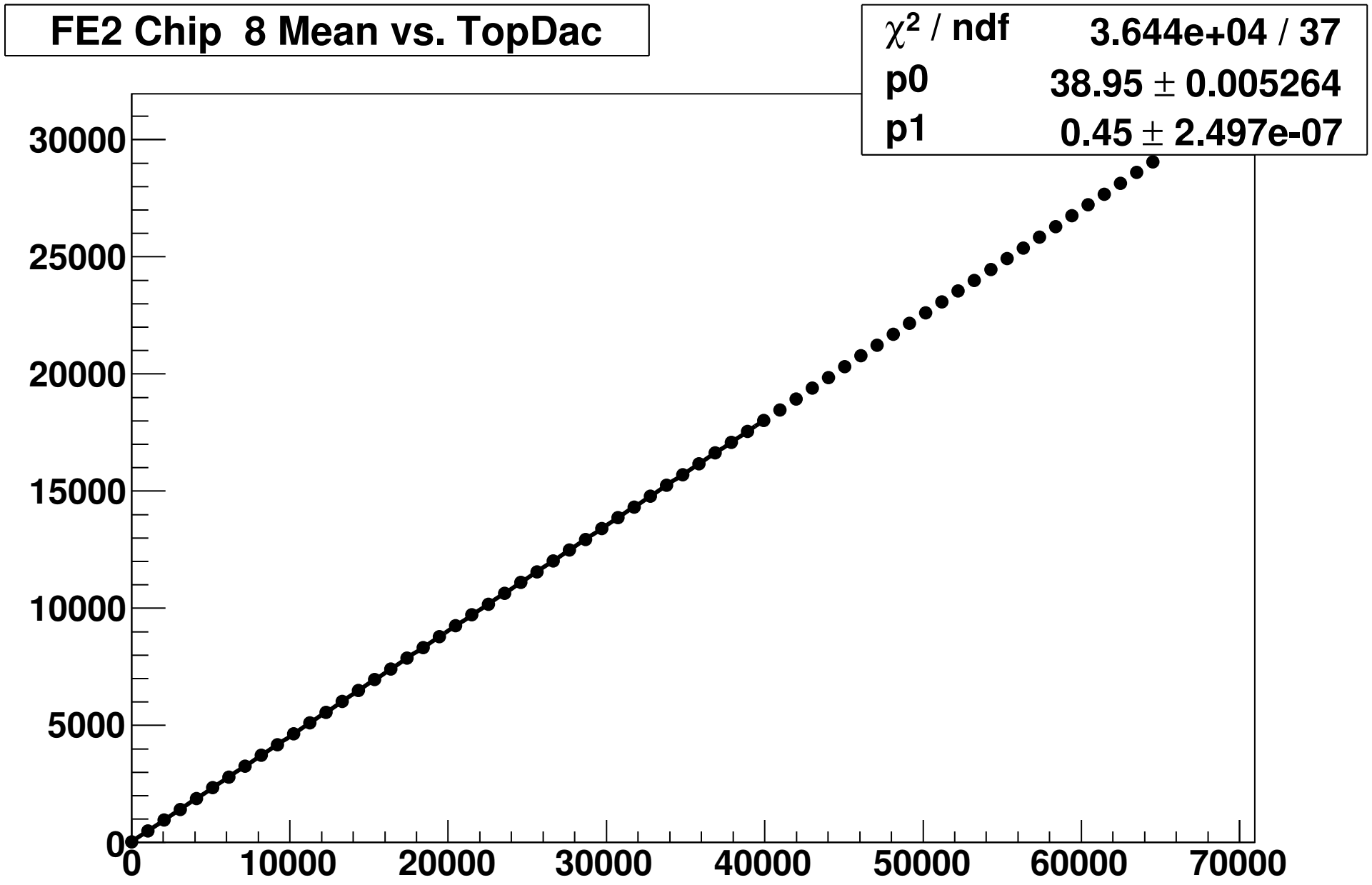
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 3.644e+04 / 37
p0 38.95 ± 0.005264
p1 0.45 ± 2.497e-07
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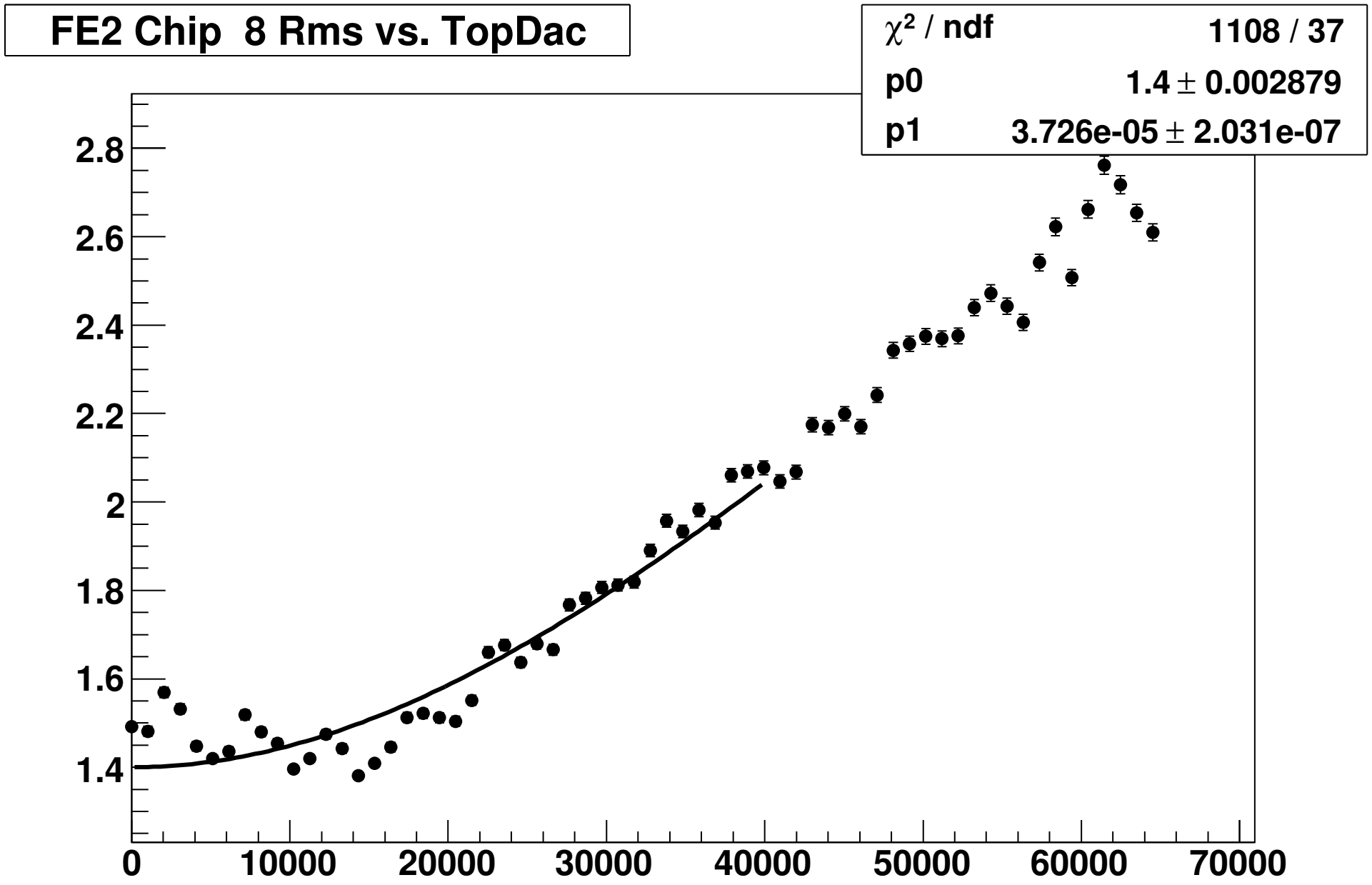
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 1108 / 37
p0 1.4 ± 0.002879
p1 3.726e-05 ± 2.031e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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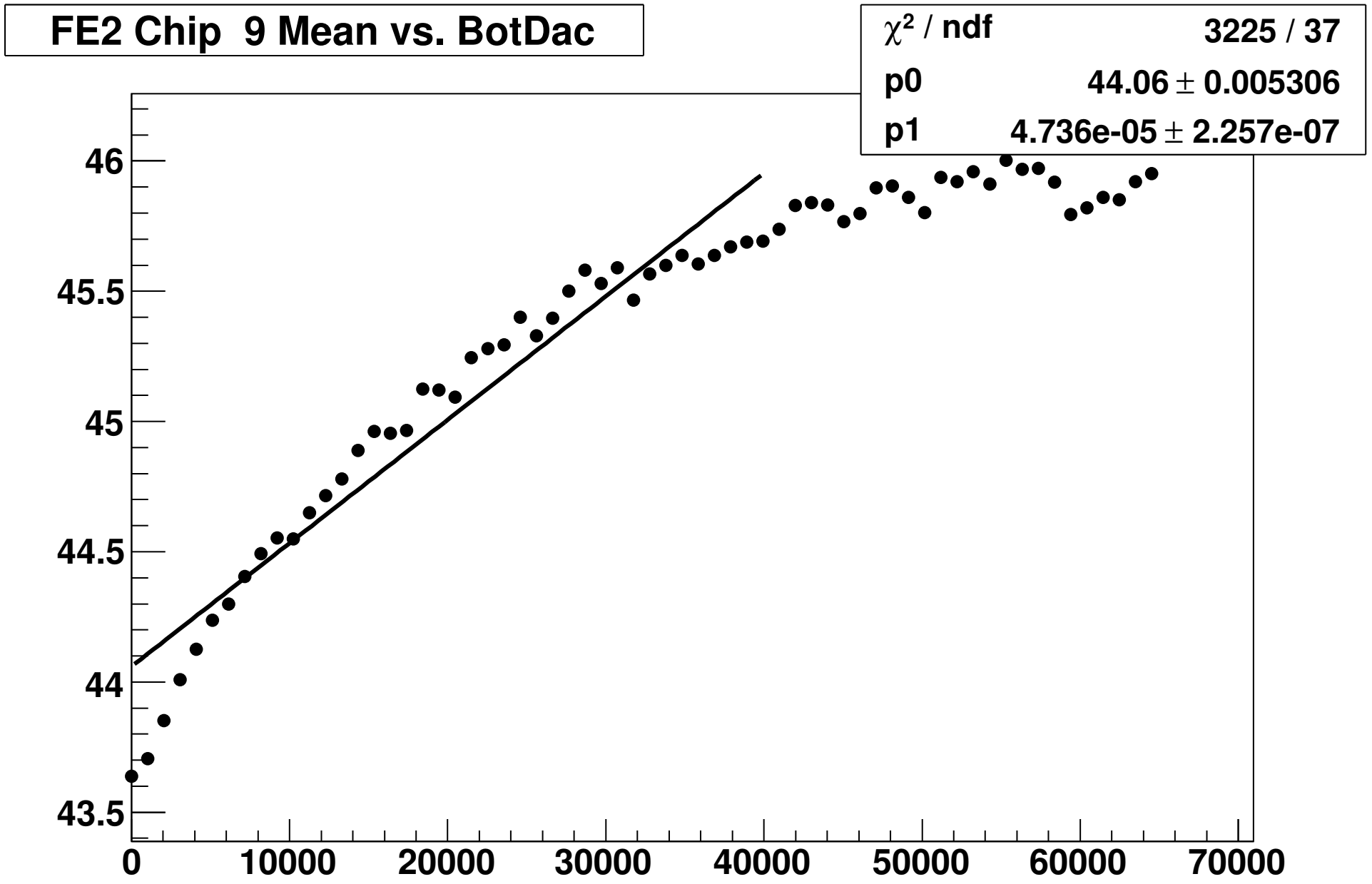
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 3225 / 37
p0 44.06 ± 0.005306
p1 4.736e-05 ± 2.257e-07
46
45.5
45
44.5
44
43.5
0
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20000
30000
40000
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60000
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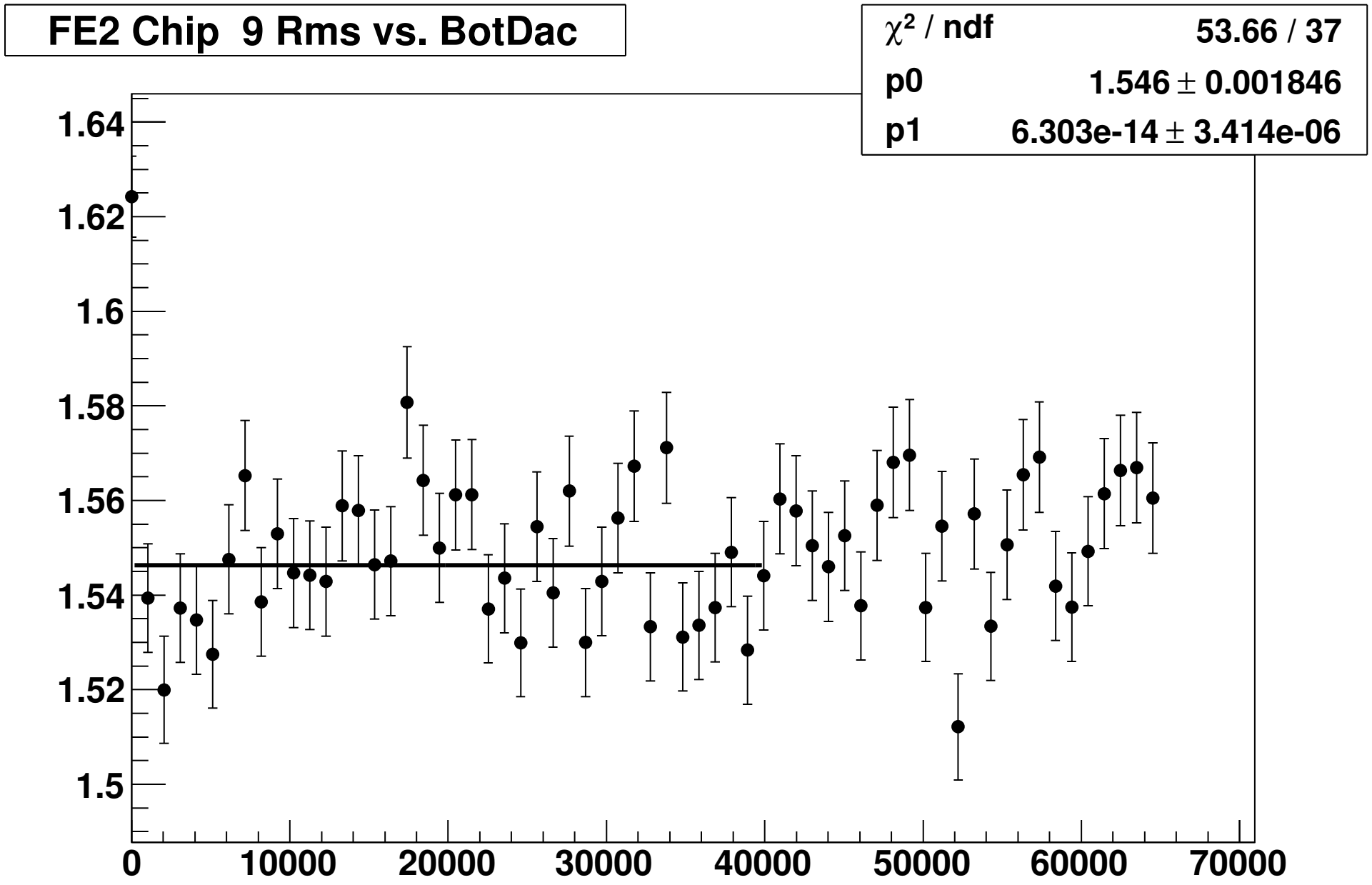
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 53.66 / 37
p0 1.546 ± 0.001846
p1 6.303e-14 ± 3.414e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
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20000
30000
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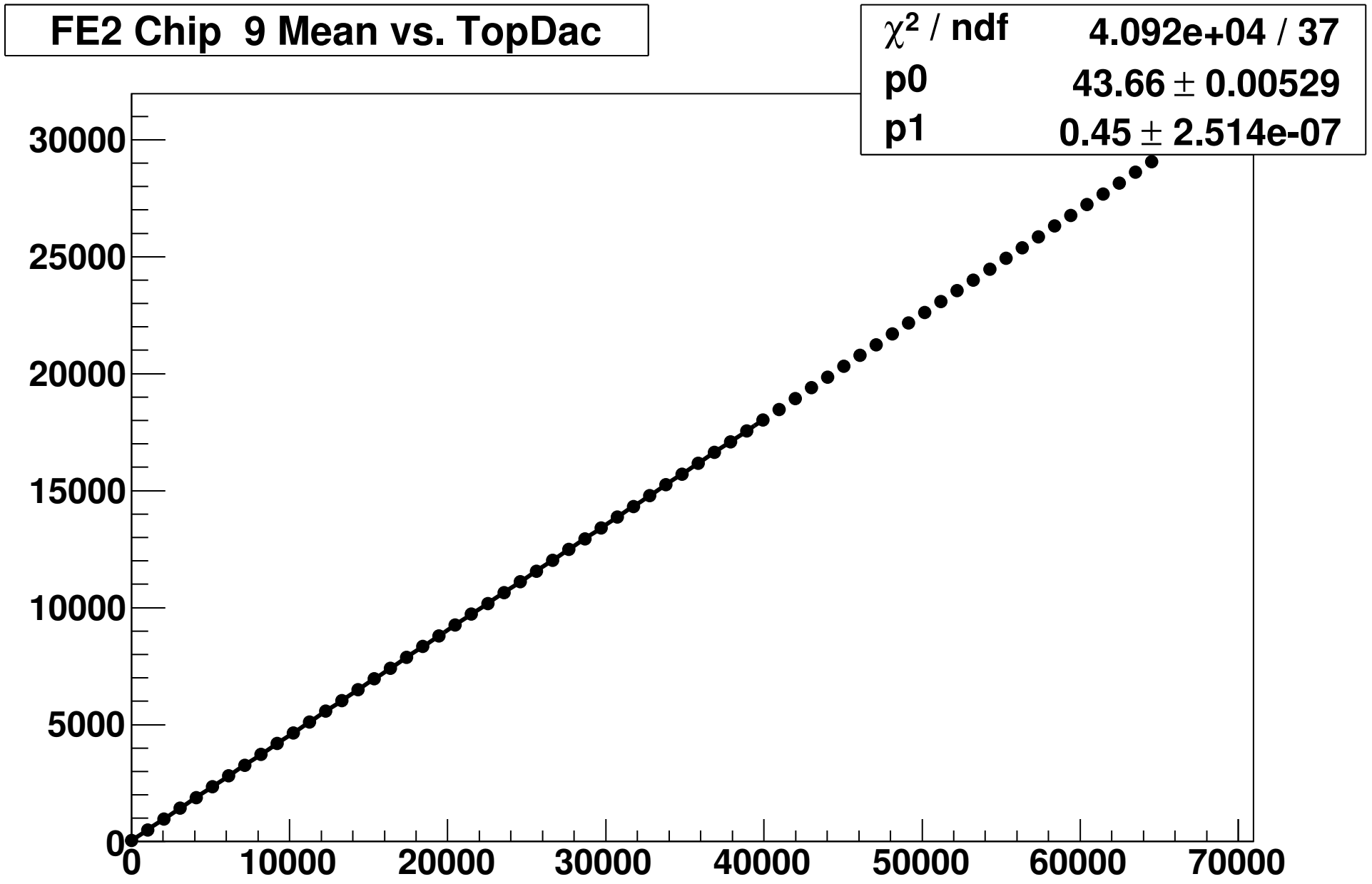
60000
70000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 4.092e+04 / 37
p0 43.66 ± 0.00529
p1 0.45 ± 2.514e-07
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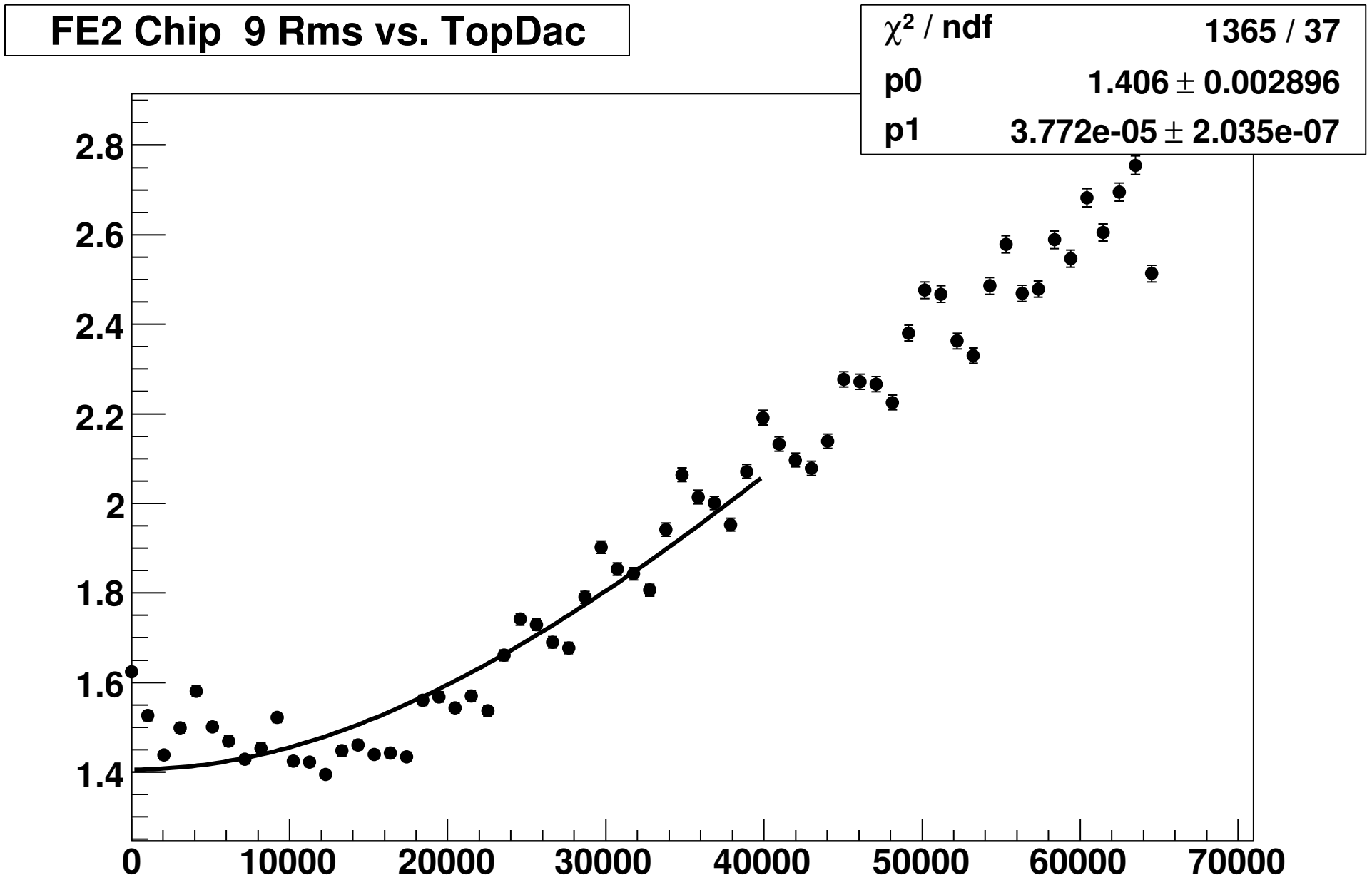
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1365 / 37
p0 1.406 ± 0.002896
p1 3.772e-05 ± 2.035e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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60000
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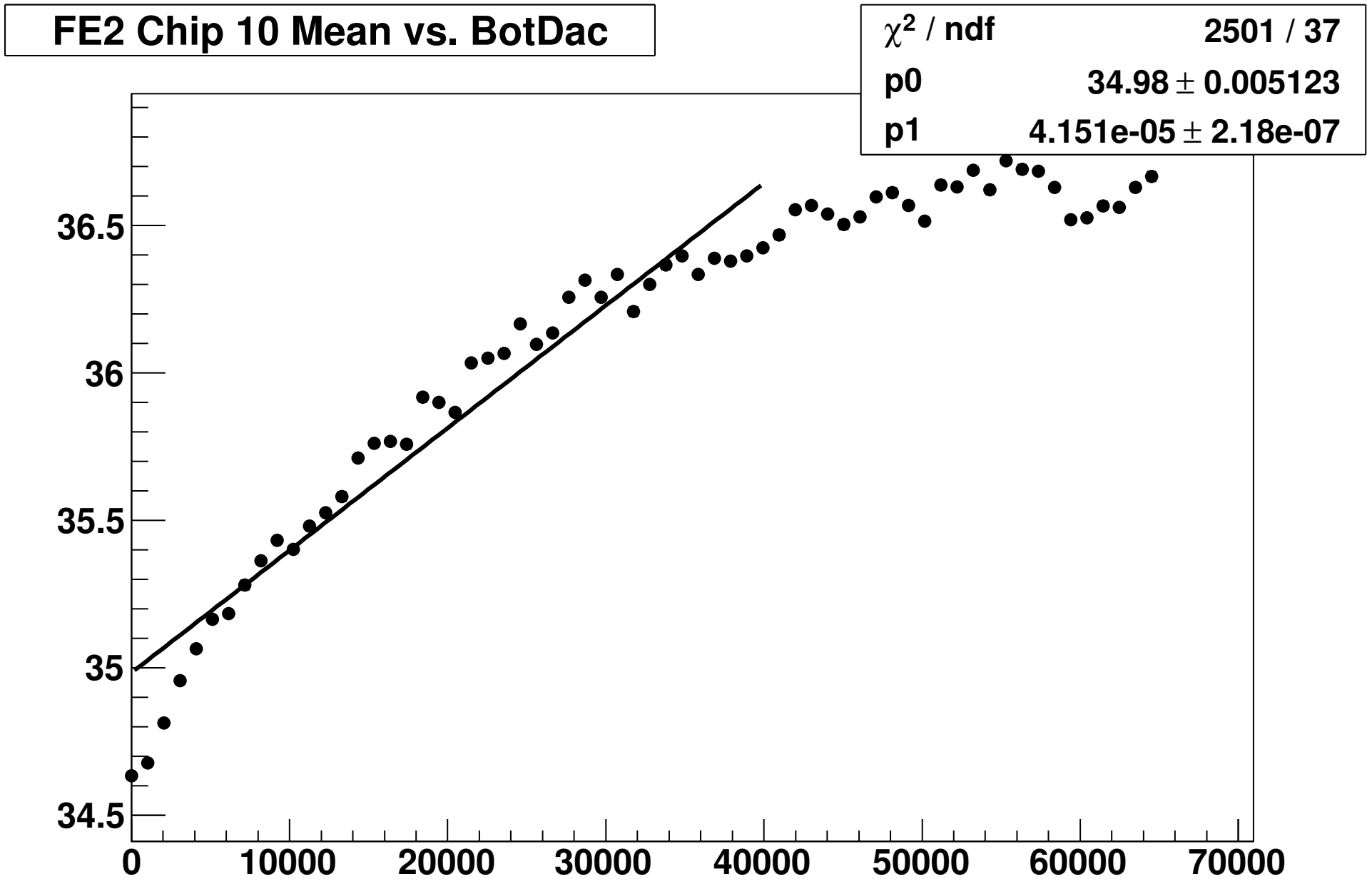
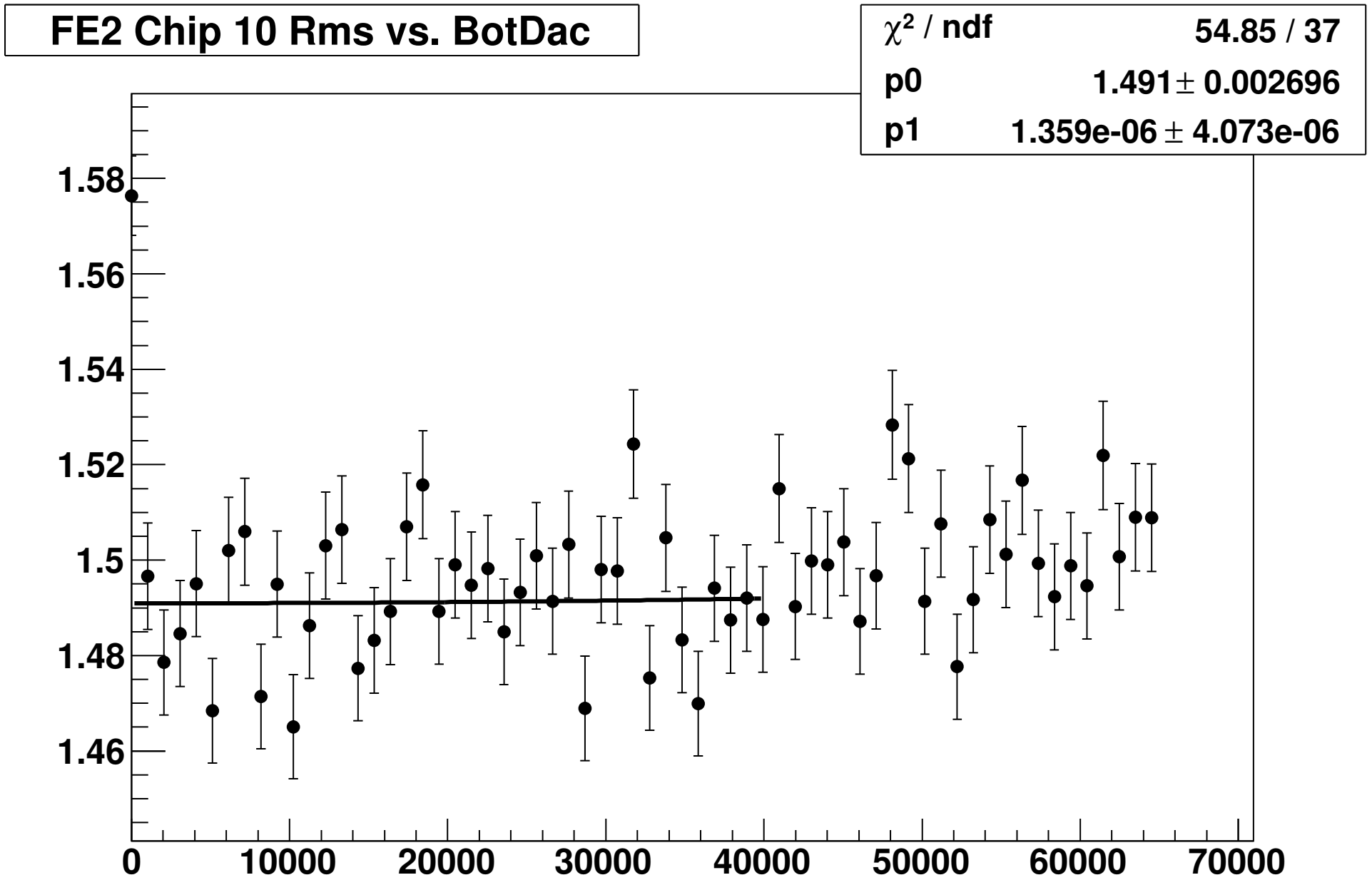
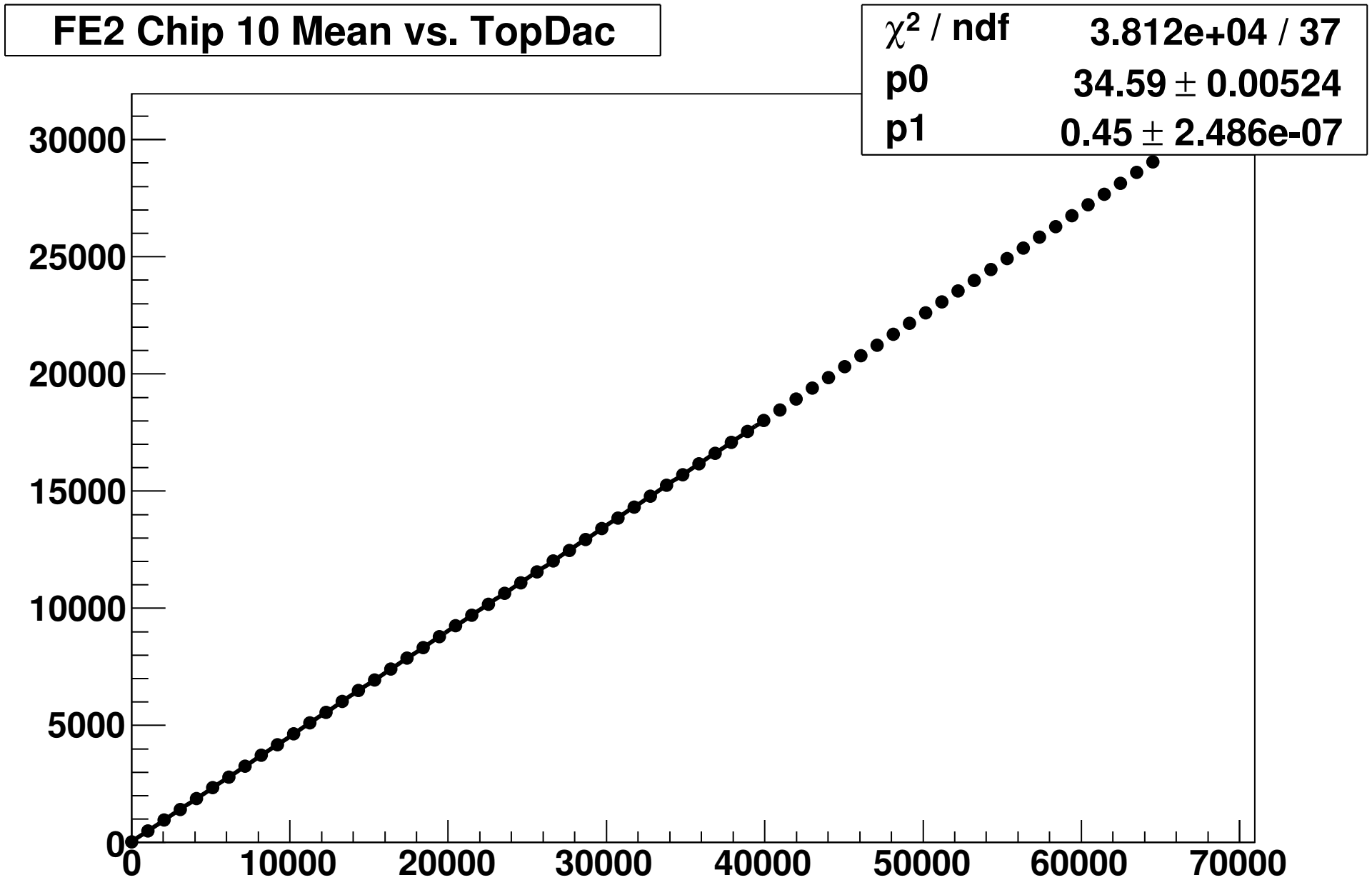

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 2501 / 37
p0 34.98 ± 0.005123
p1 4.151e-05 ± 2.18e-07
36.5
36
35.5
35
34.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 54.85 / 37
p0 1.491 ± 0.002696
p1 1.359e-06 ± 4.073e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 3.812e+04 / 37
p0 34.59 ± 0.00524
p1 0.45 ± 2.486e-07
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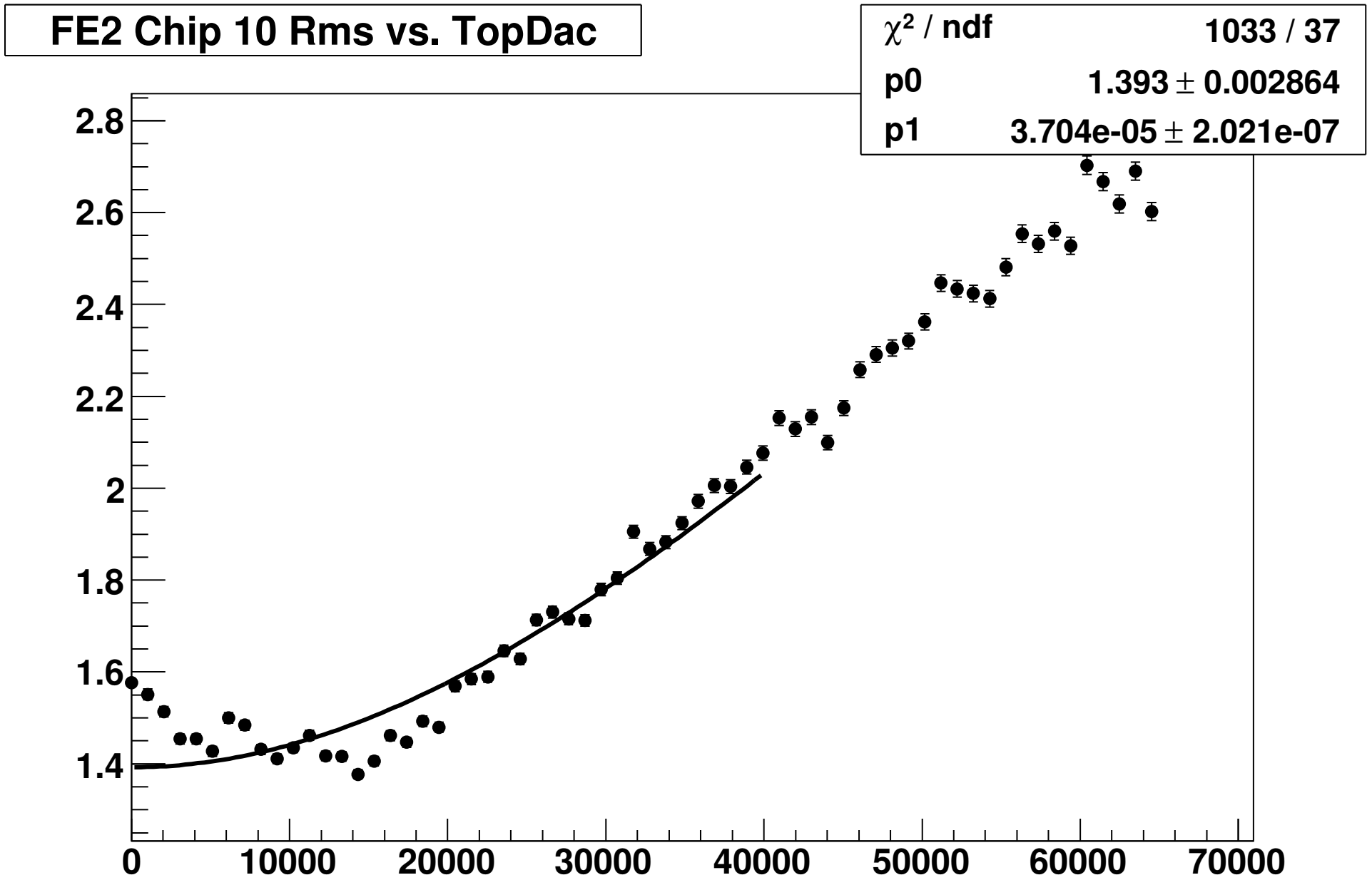
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1033 / 37
p0 1.393 ± 0.002864
p1 3.704e-05 ± 2.021e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
30000
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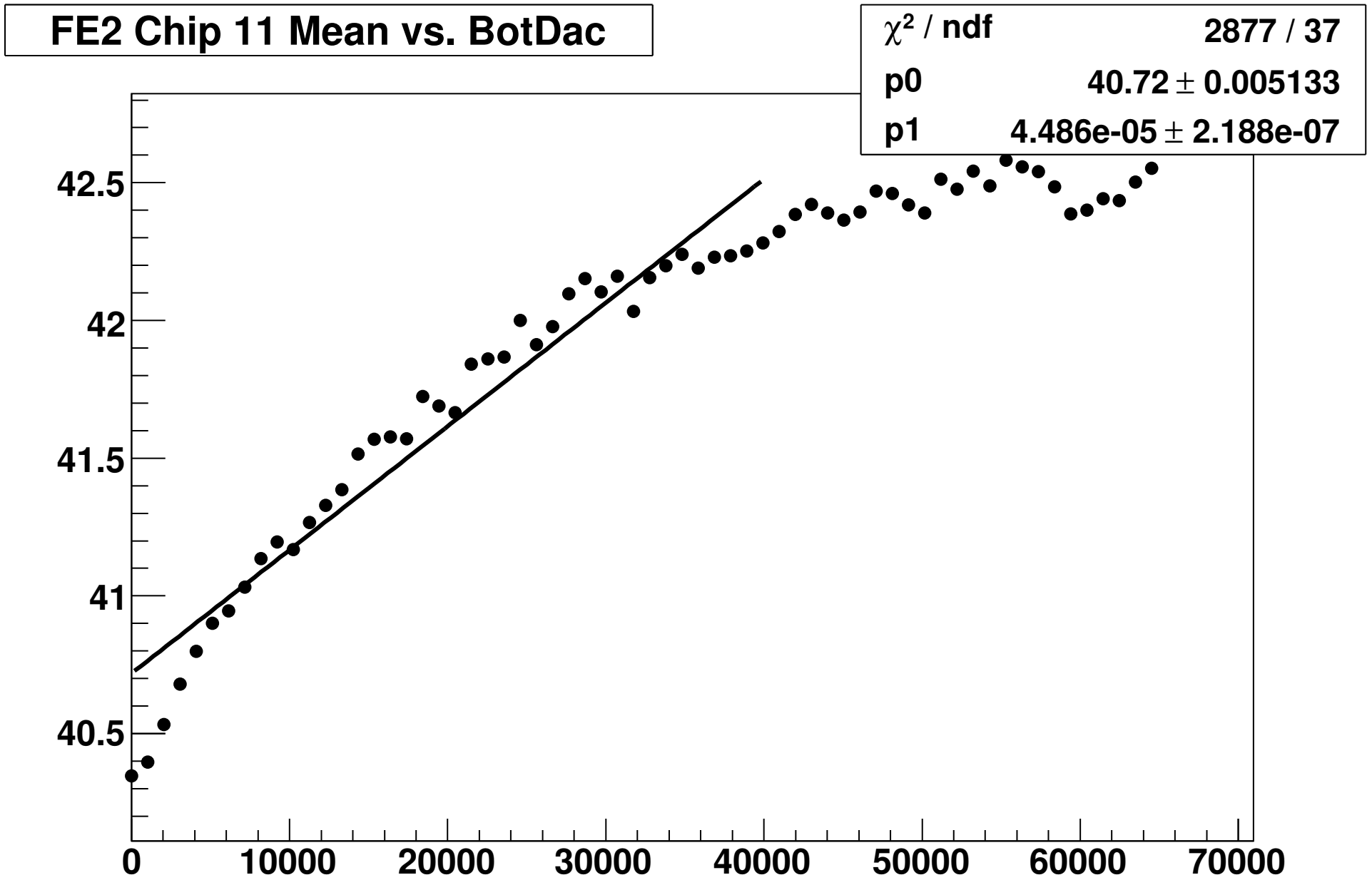
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 2877 / 37
p0 40.72 ± 0.005133
p1 4.486e-05 ± 2.188e-07
42.5
42
41.5
41
40.5
0
10000
20000
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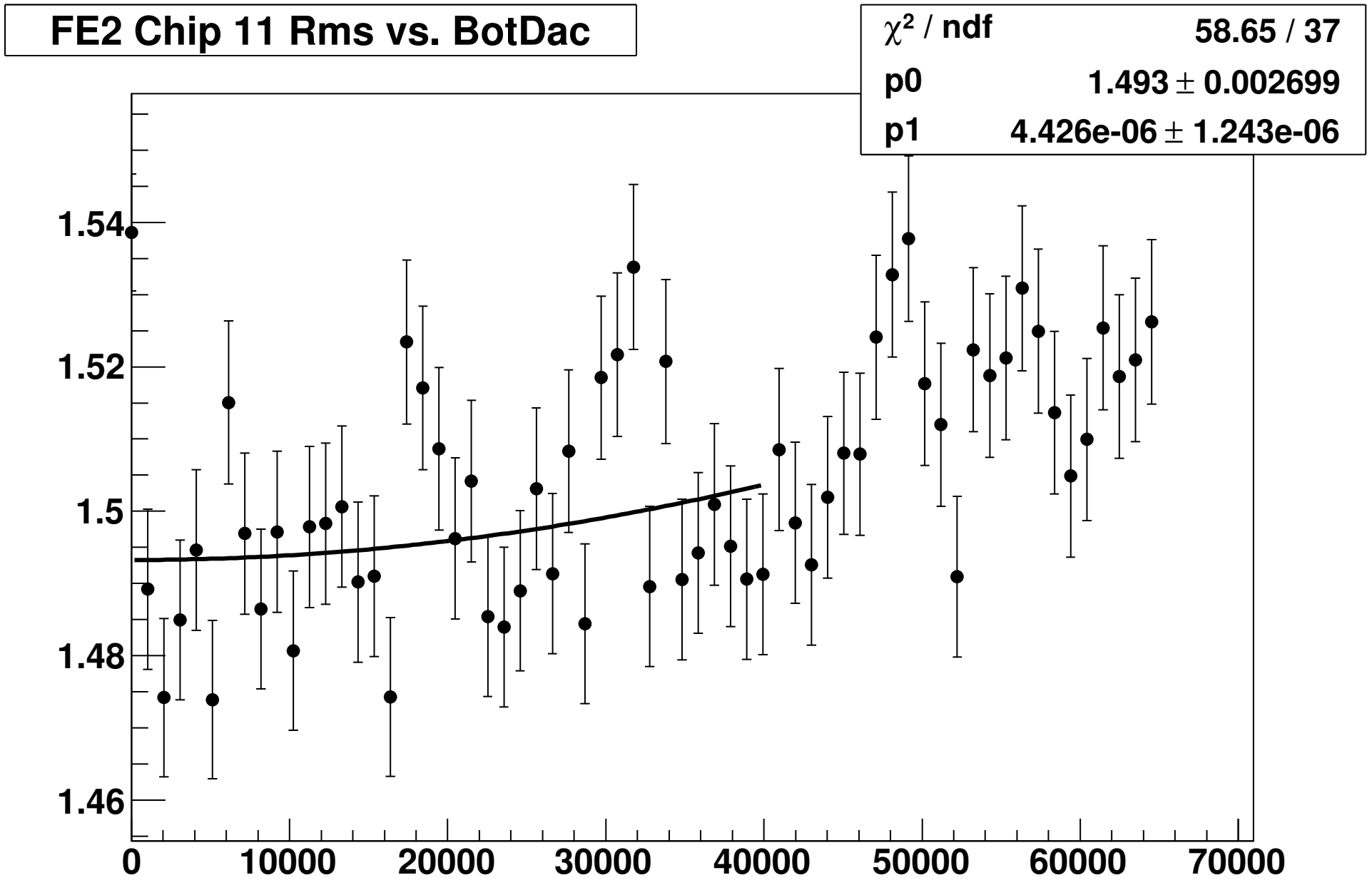
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 58.65 / 37
p0 1.493 ± 0.002699
p1 4.426e-06 ± 1.243e-06
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1.52
1.5
1.48
1.46
0
10000
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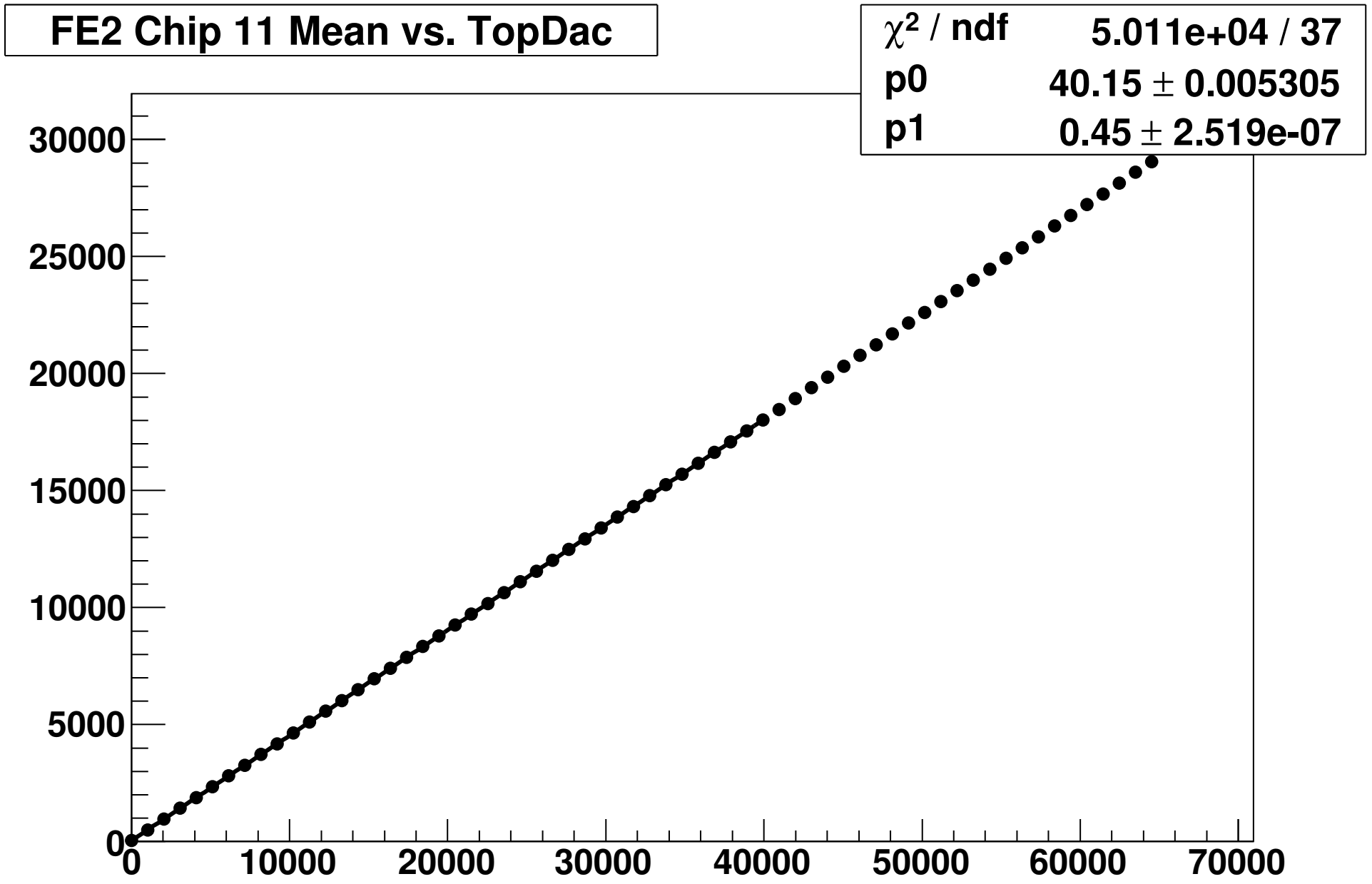
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 5.011e+04 / 37
p0 40.15 ± 0.005305
p1 0.45 ± 2.519e-07
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20000
15000
10000
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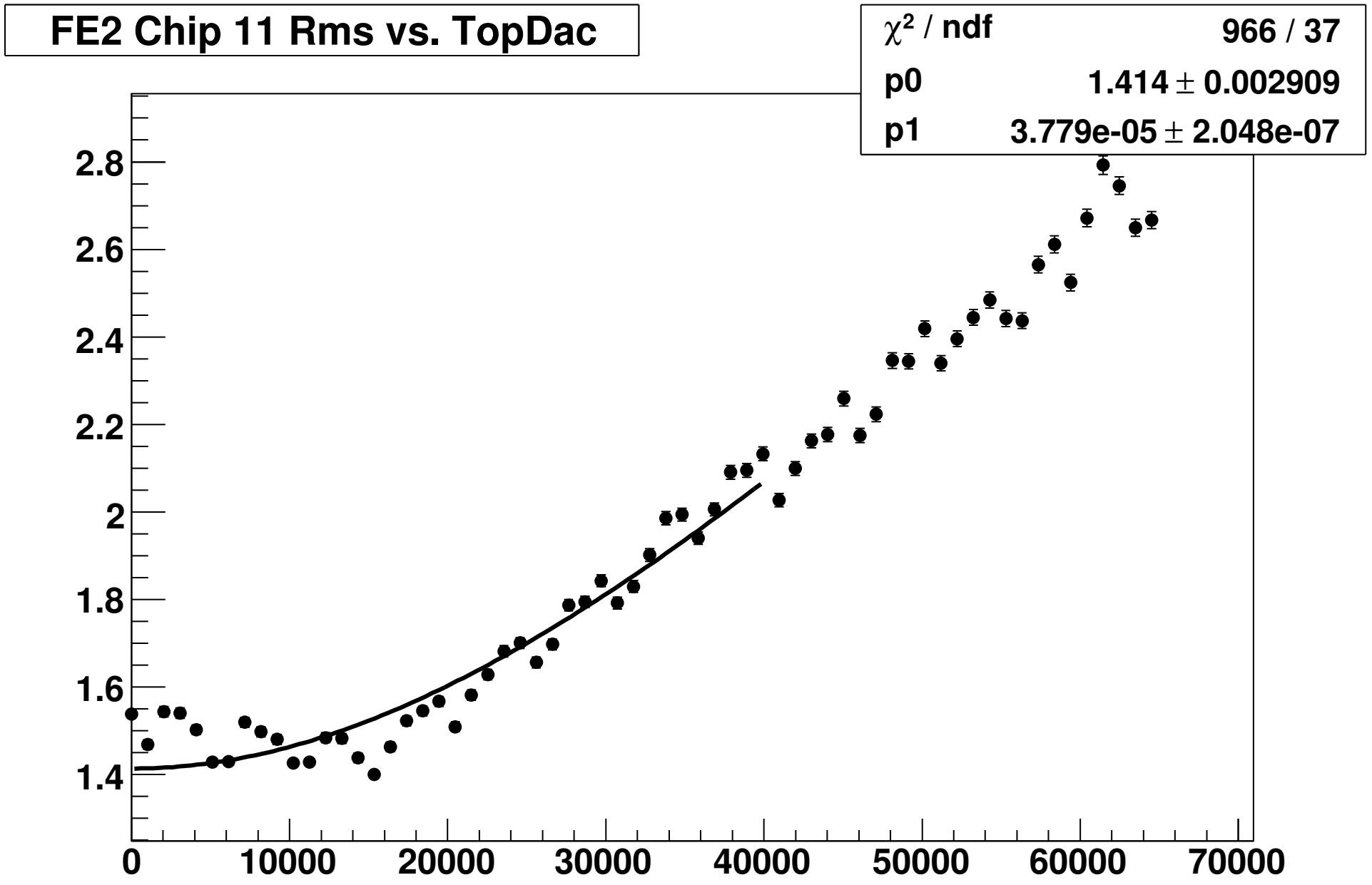
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 966 / 37
p0 1.414 ± 0.002909
p1 3.779e-05 ± 2.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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50000
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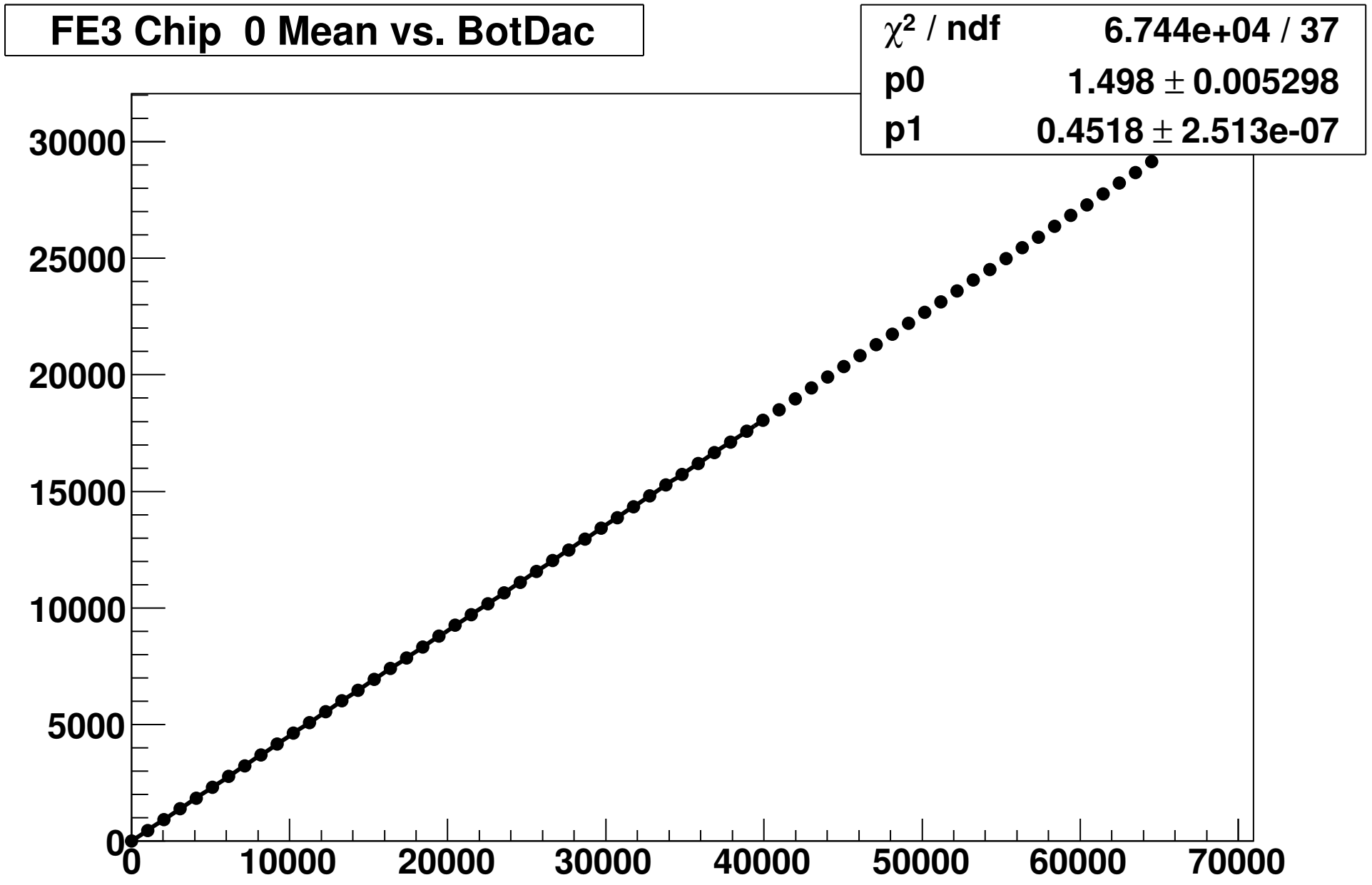
FE3 Chip 0 Mean vs. BotDac
χ² / ndf 6.744e+04 / 37
p0 1.498 ± 0.005298
p1 0.4518 ± 2.513e-07
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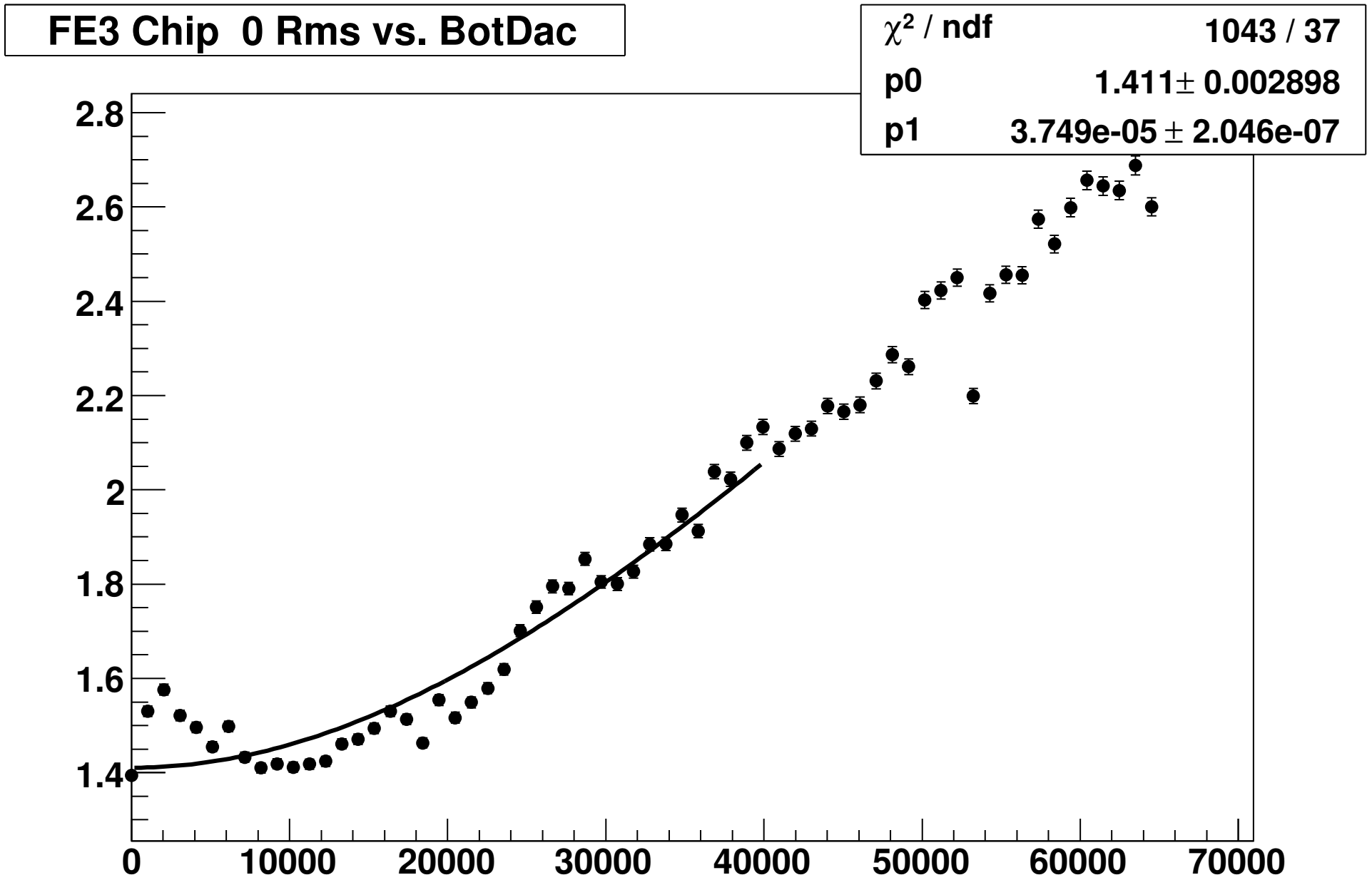
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1043 / 37
p0 1.411 ± 0.002898
p1 3.749e-05 ± 2.046e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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20000
30000
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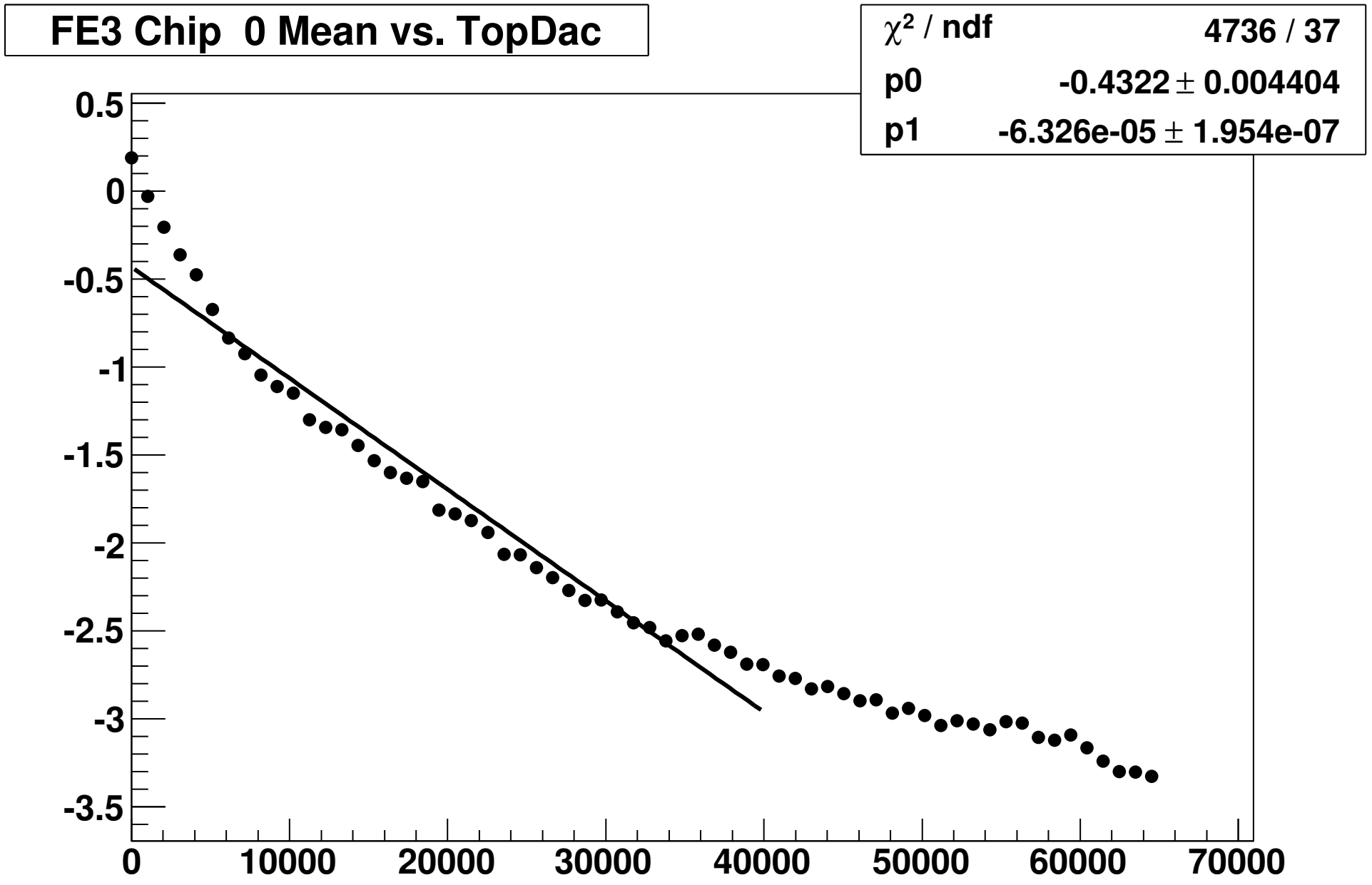
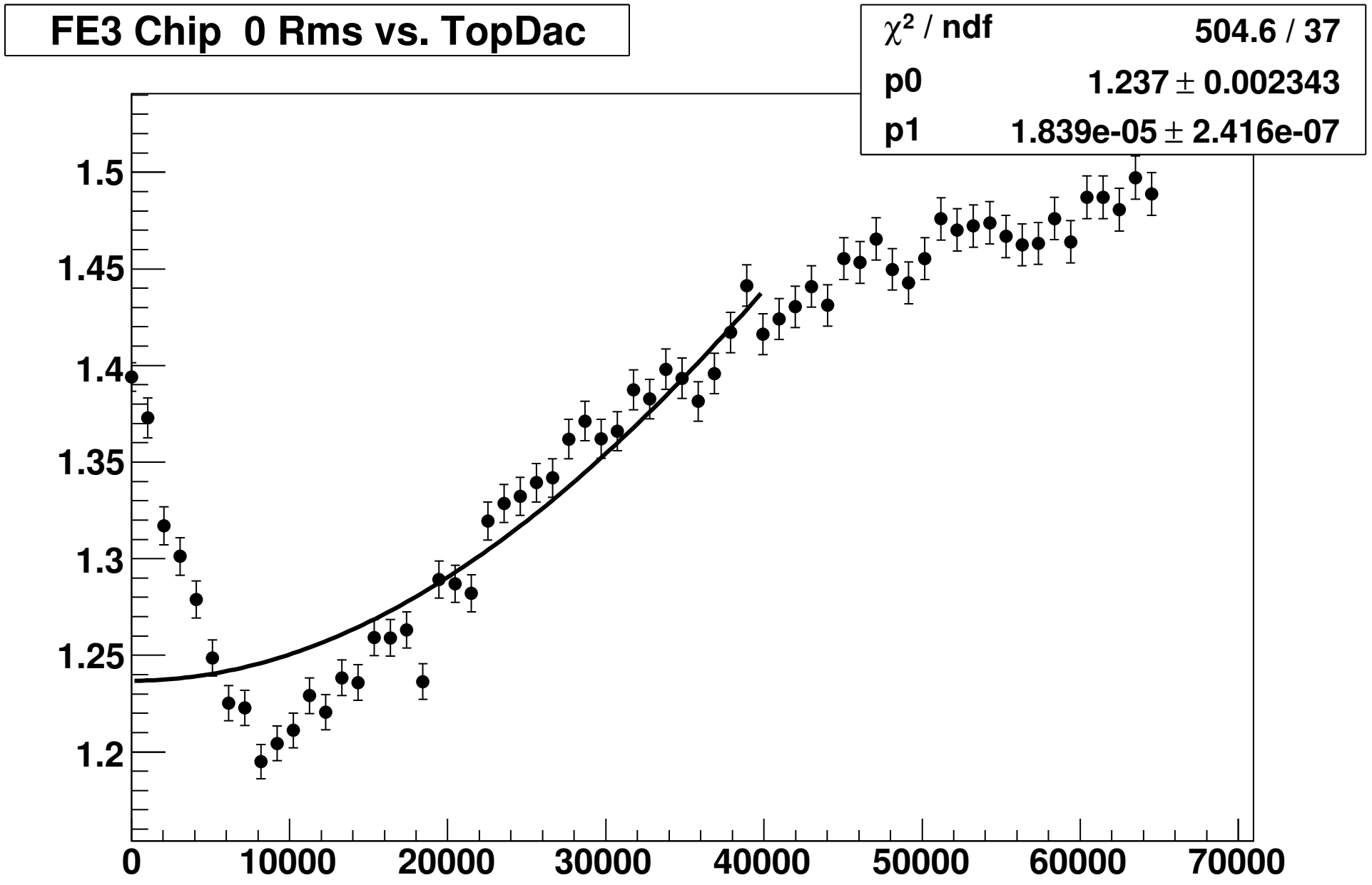
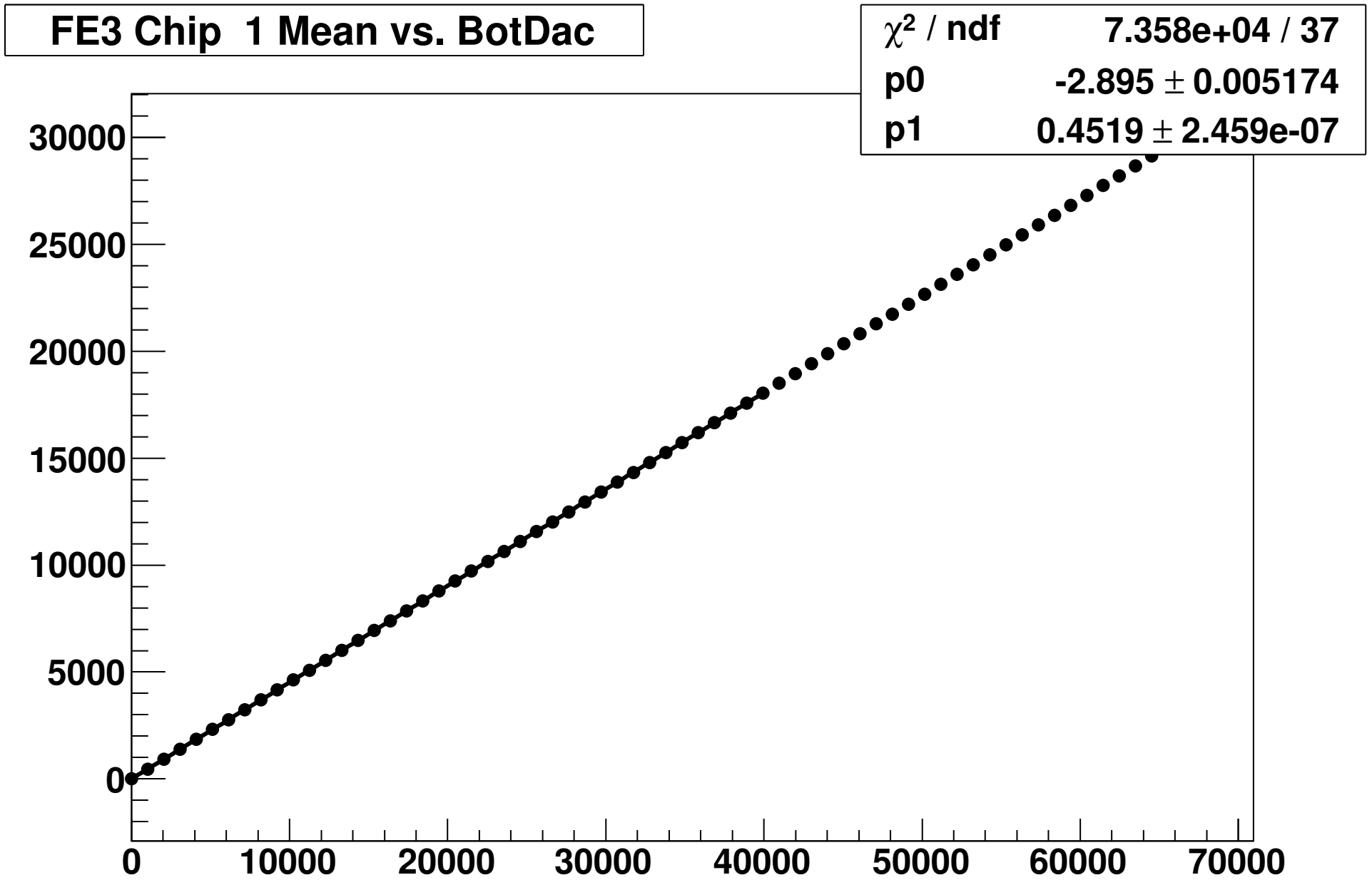
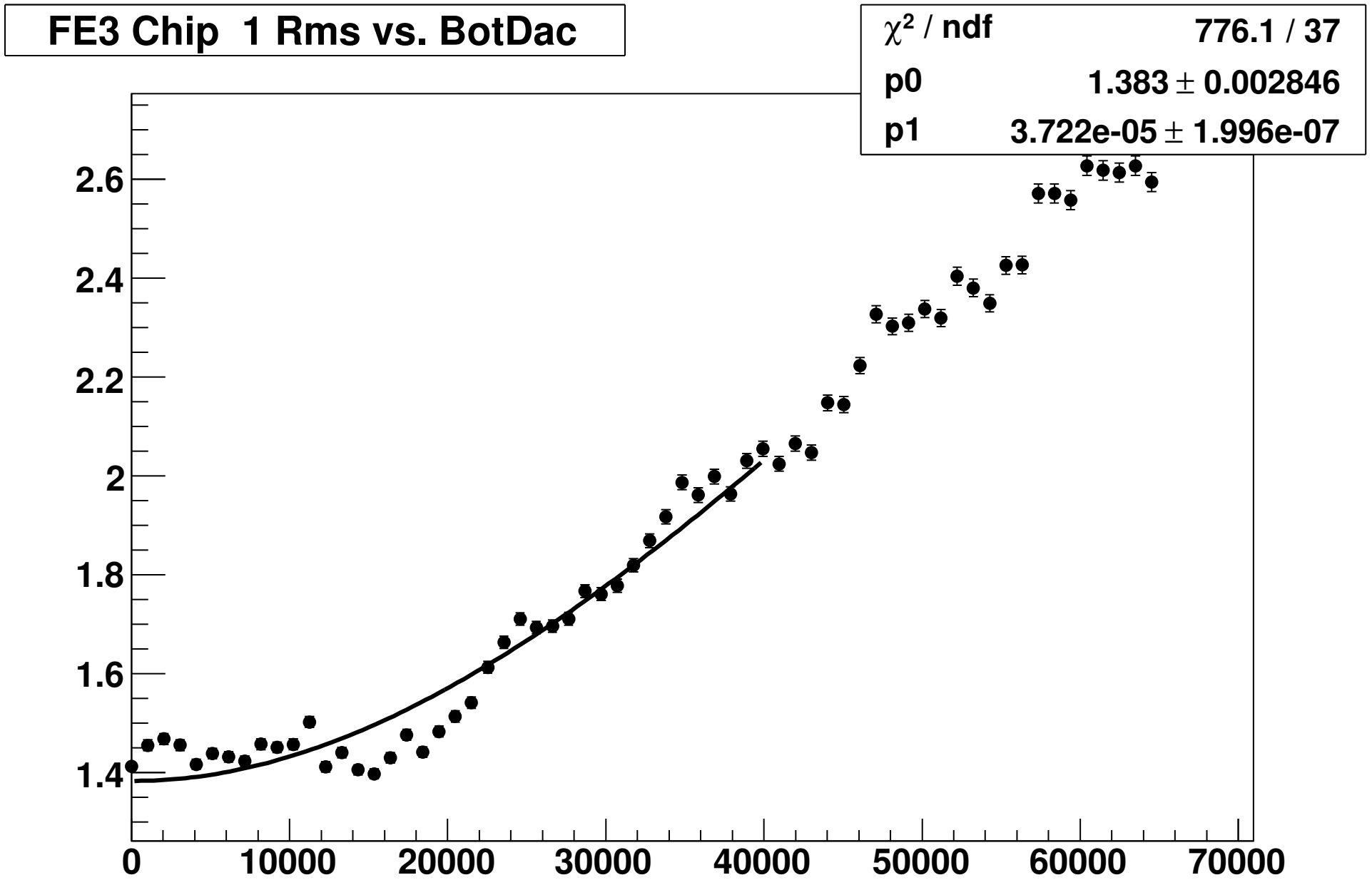
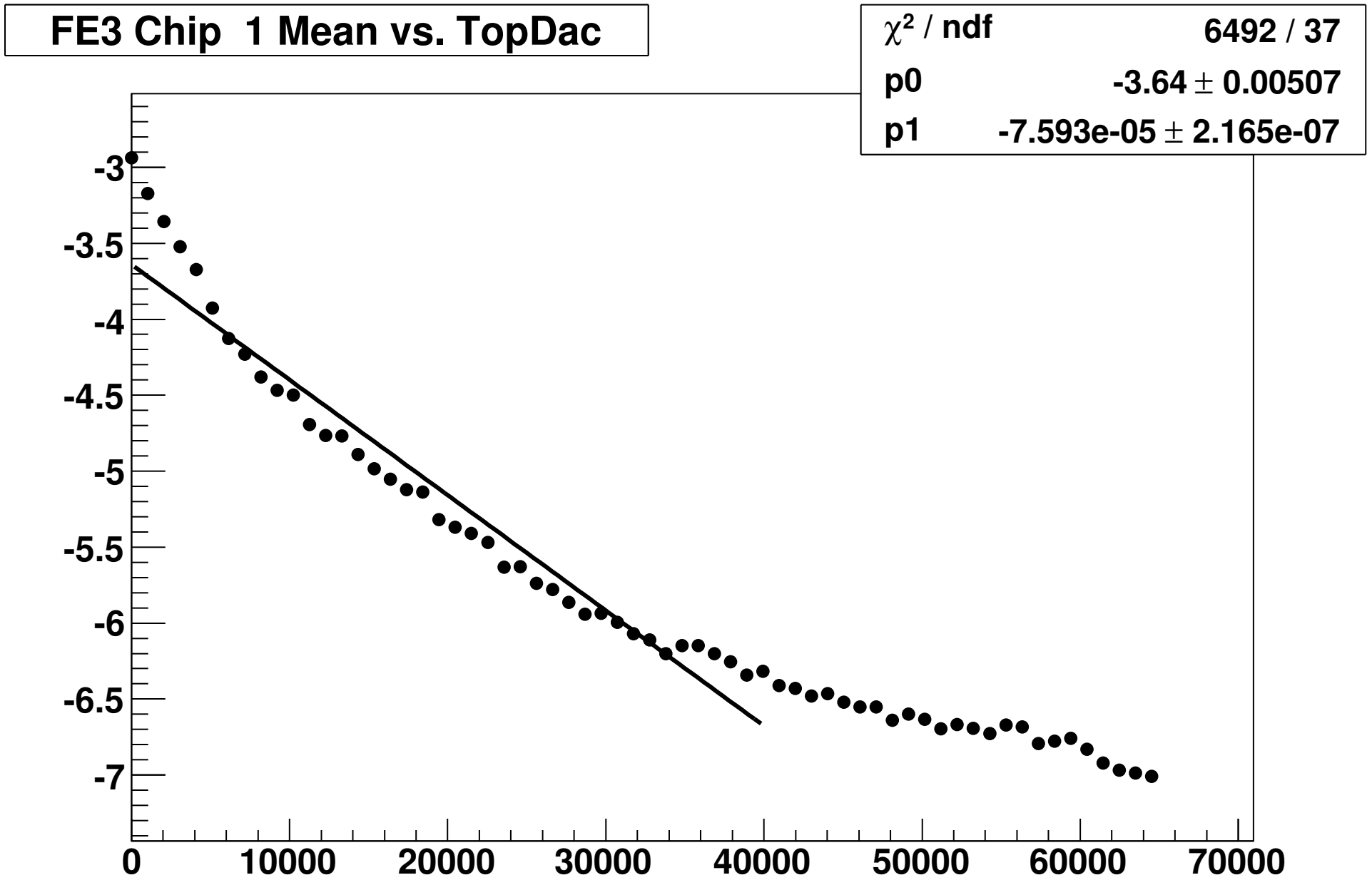
50000
60000
70000

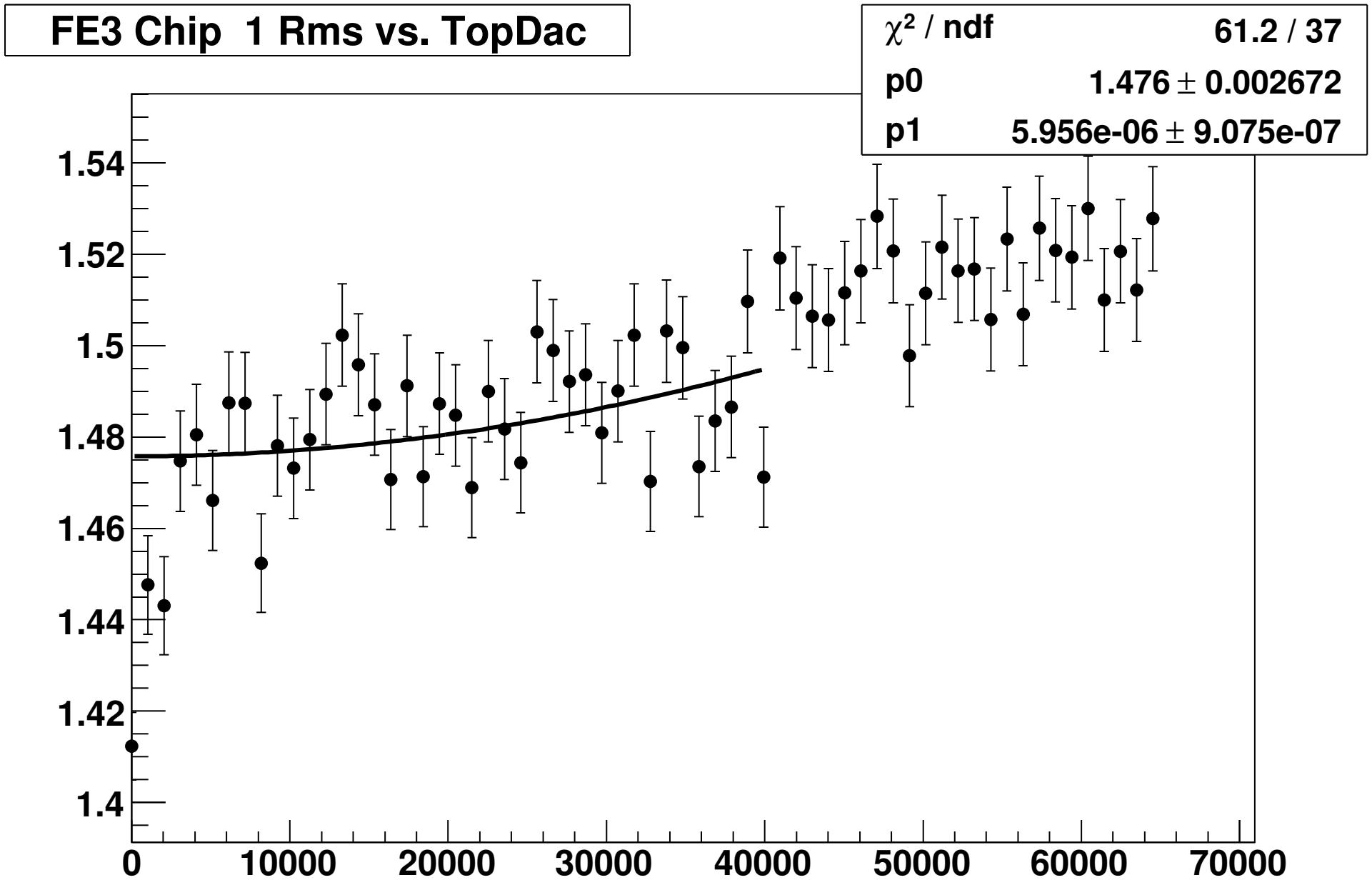

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 4736 / 37
p0 -0.4322 ± 0.004404
p1 -6.326e-05 ± 1.954e-07
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
-3.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 504.6 / 37
p0 1.237 ± 0.002343
p1 1.839e-05 ± 2.416e-07
1.5
1.45
1.4
1.35
1.3
1.25
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 7.358e+04 / 37
p0 -2.895 ± 0.005174
p1 0.4519 ± 2.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 776.1 / 37
p0 1.383 ± 0.002846
p1 3.722e-05 ± 1.996e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 6492 / 37
p0 -3.64 ± 0.00507
p1 -7.593e-05 ± 2.165e-07
-3
-3.5
-4
-4.5
-5
-5.5
-6
-6.5
-7
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 61.2 / 37
p0 1.476 ± 0.002672
p1 5.956e-06 ± 9.075e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
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20000
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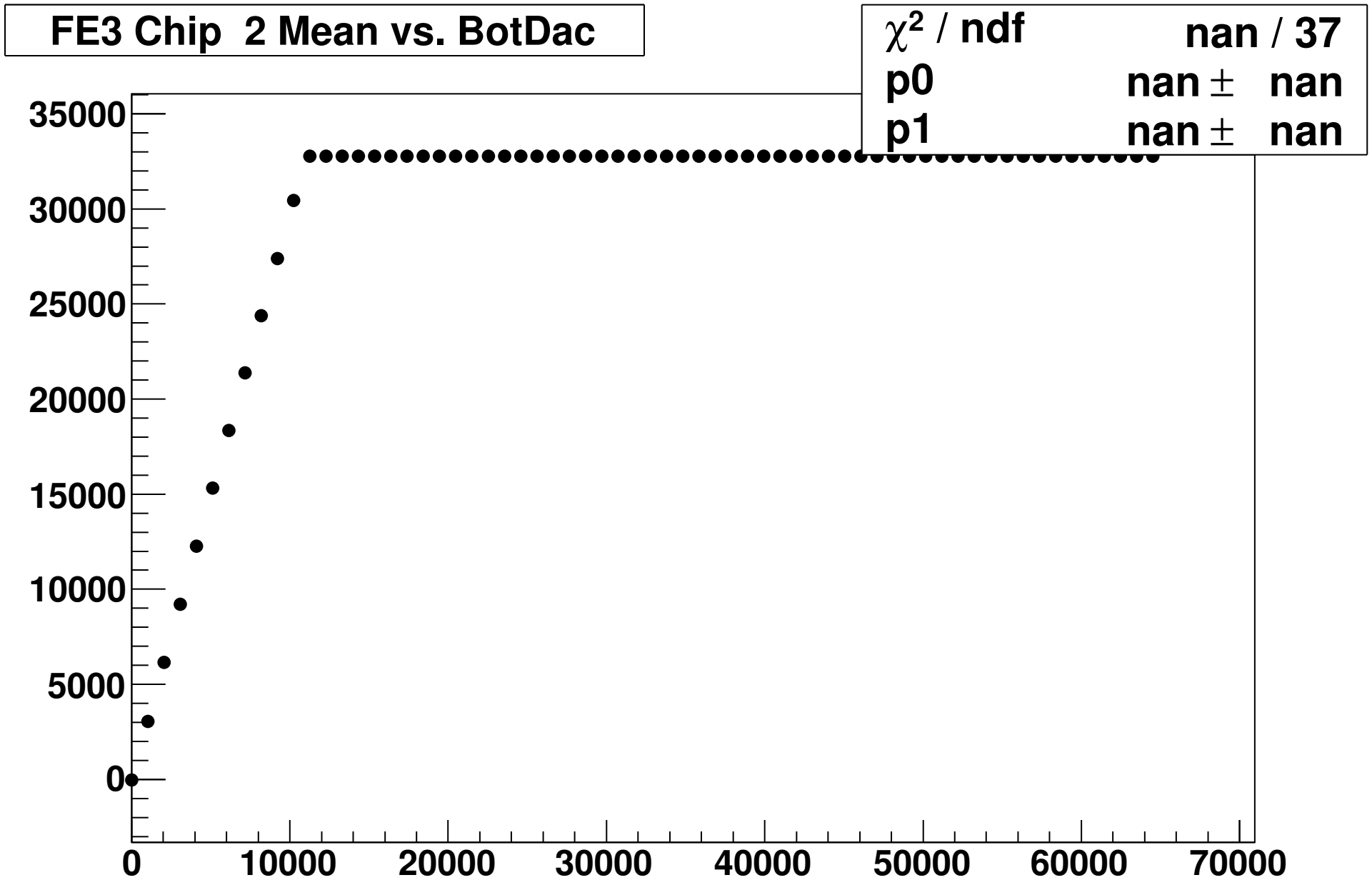
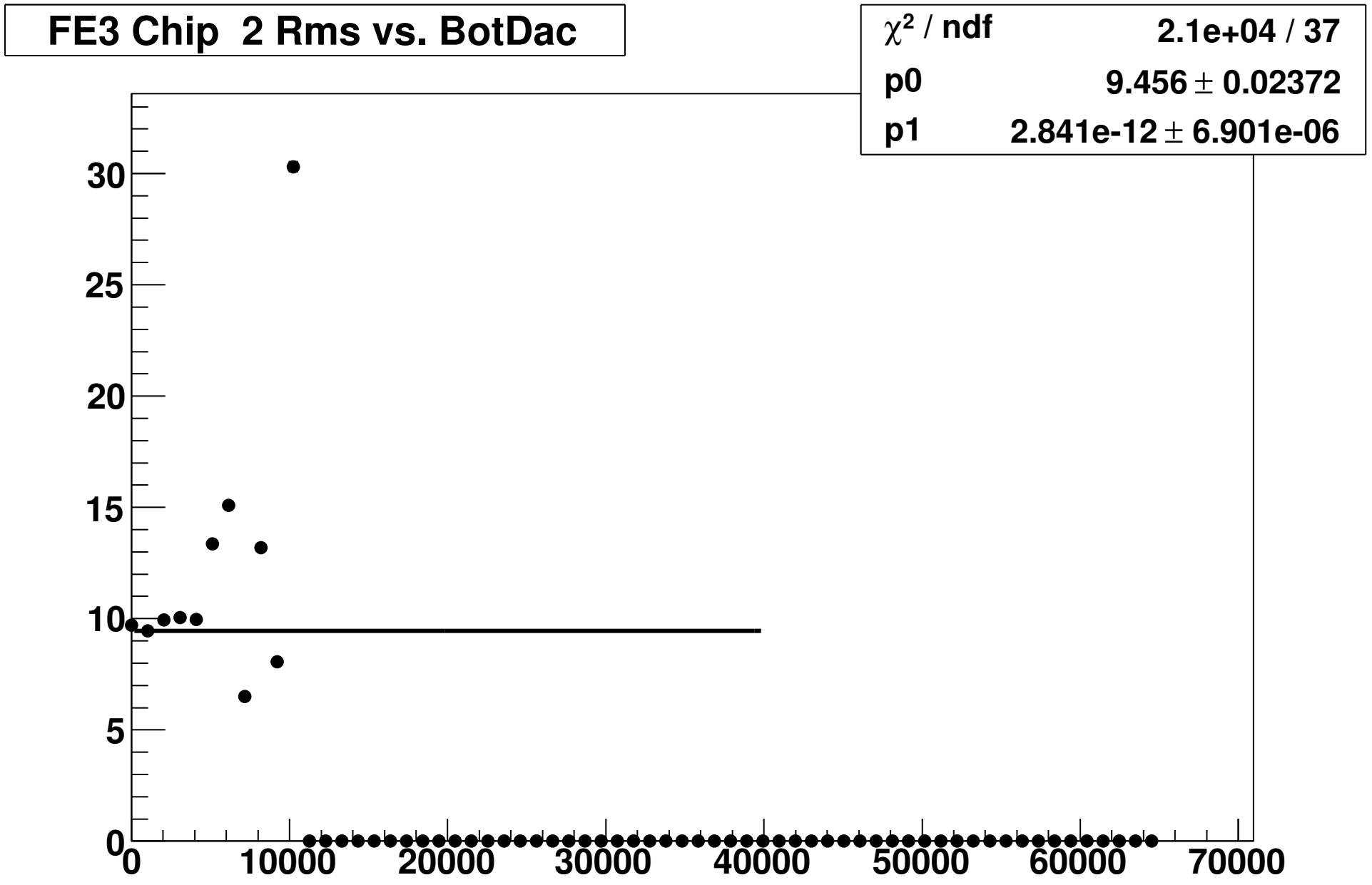

FE3 Chip 2 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 2.1e+04 / 37
p0 9.456 ± 0.02372
p1 2.841e-12 ± 6.901e-06
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000
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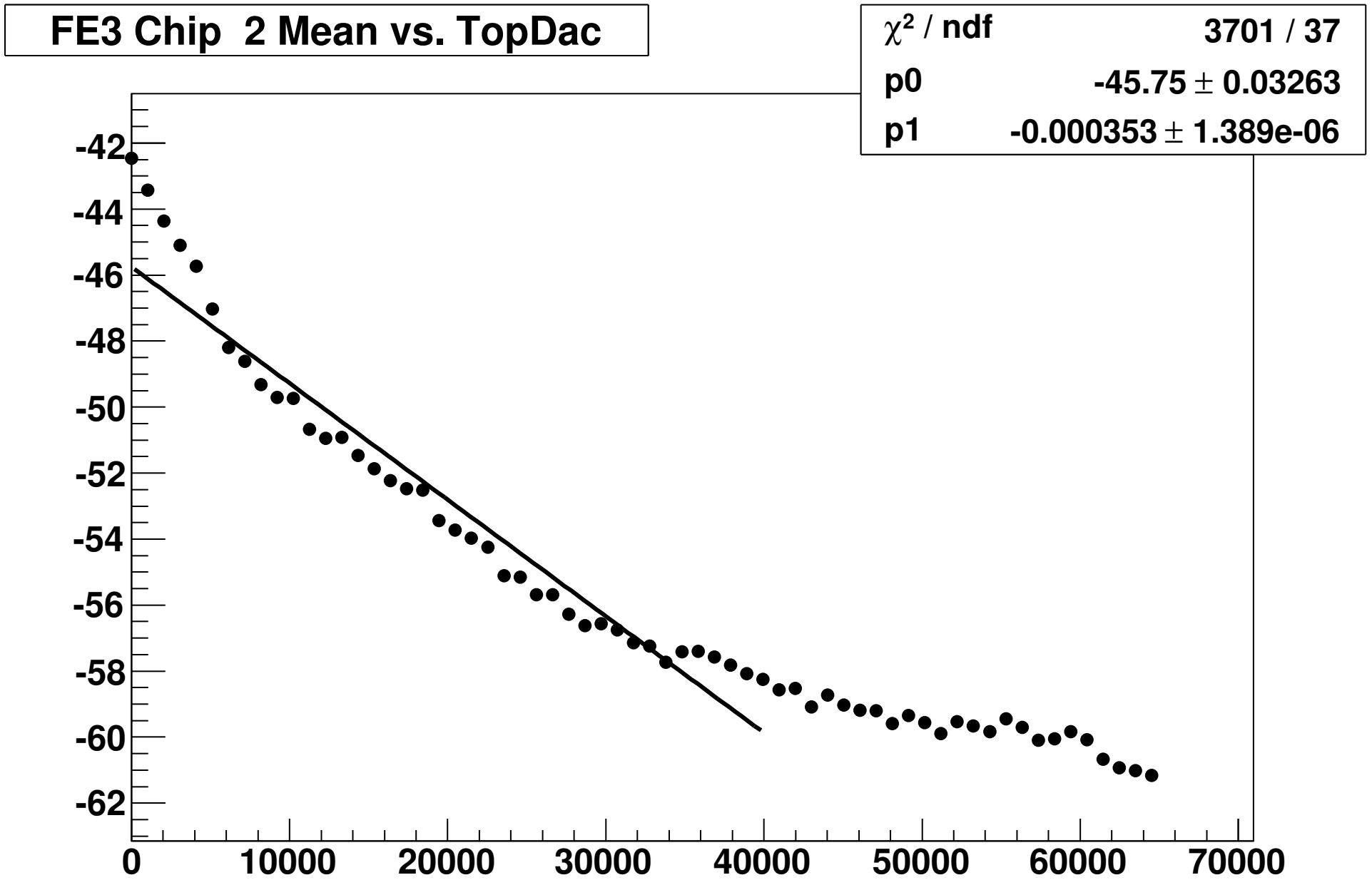
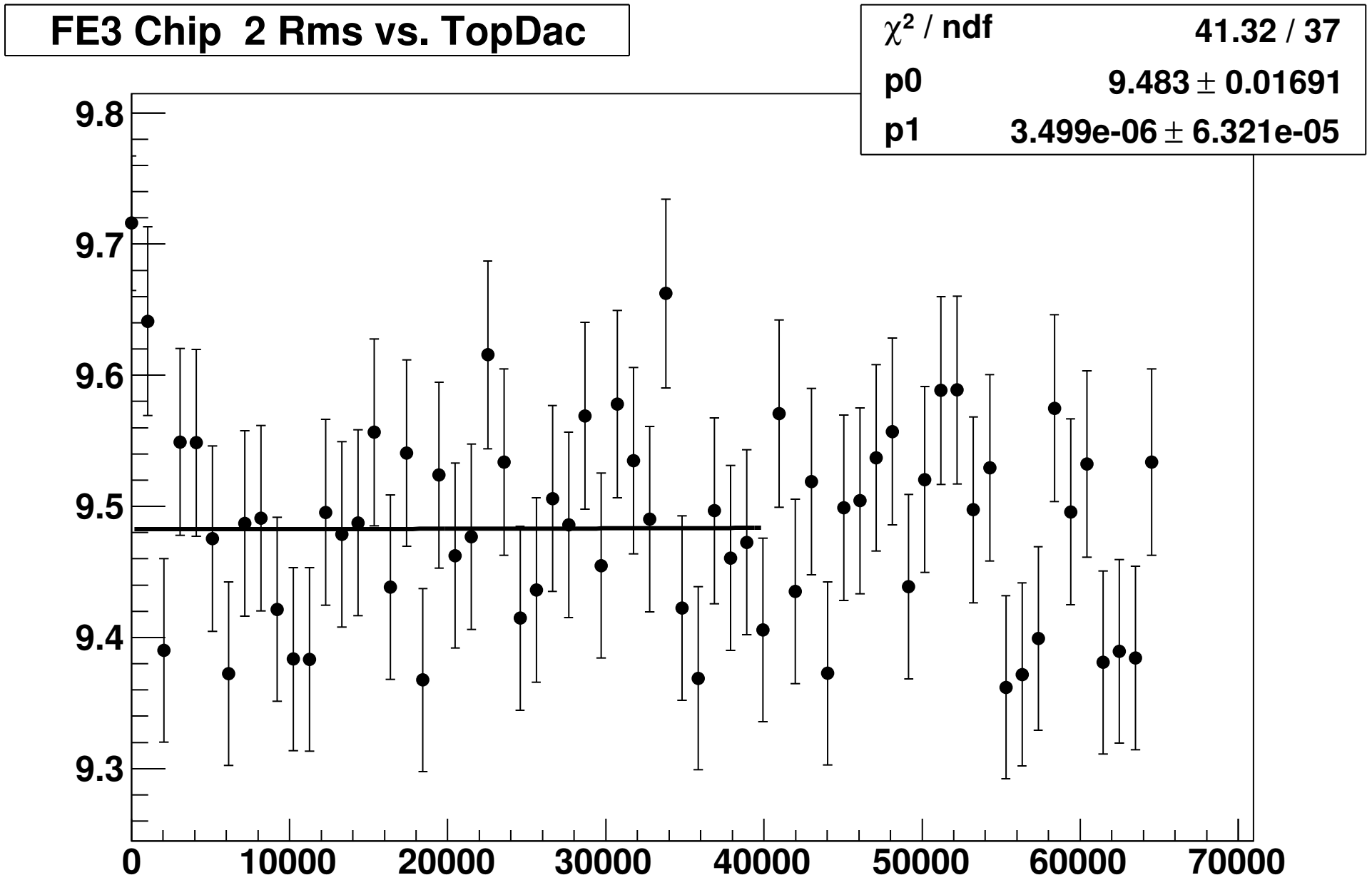
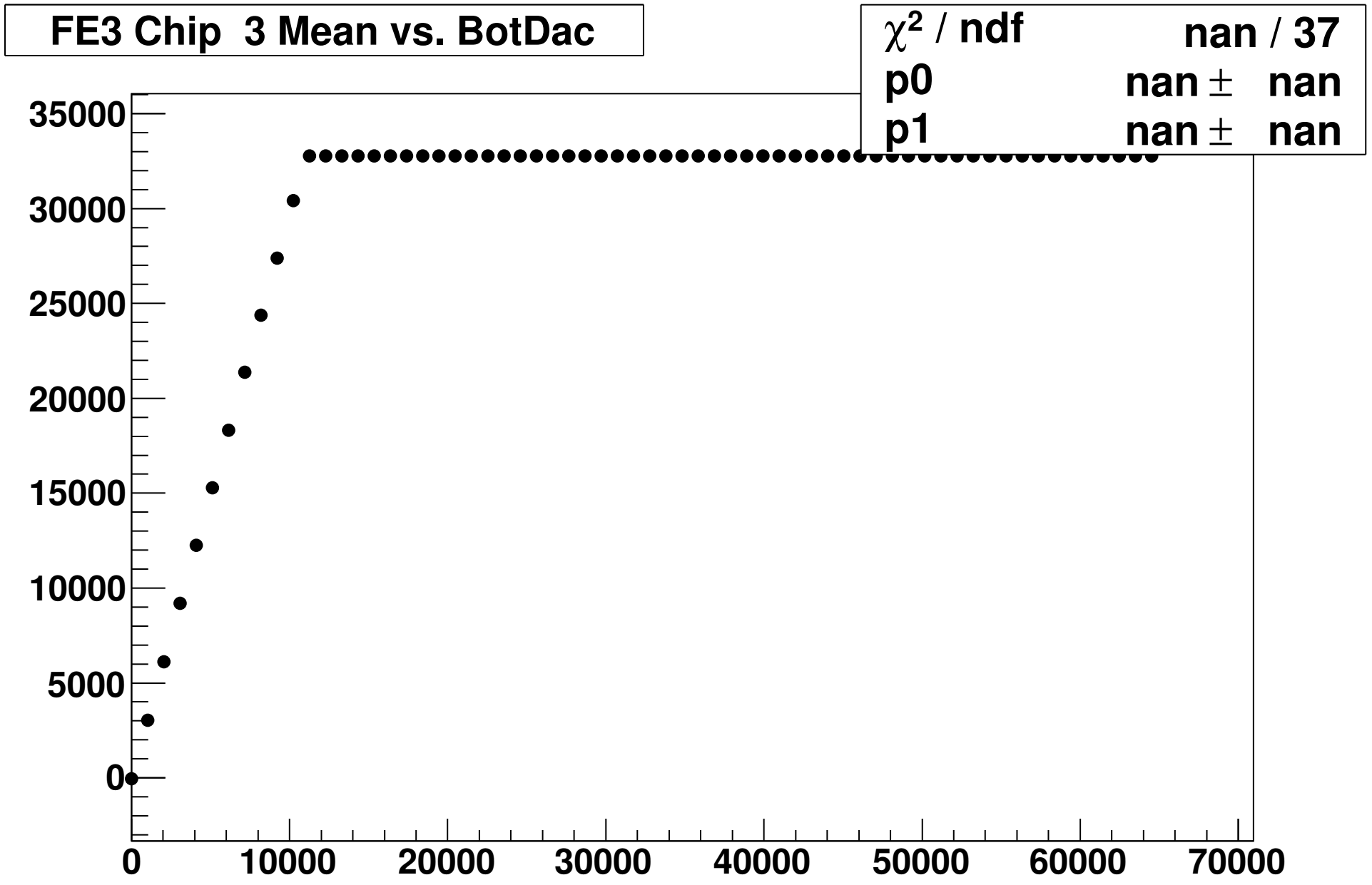
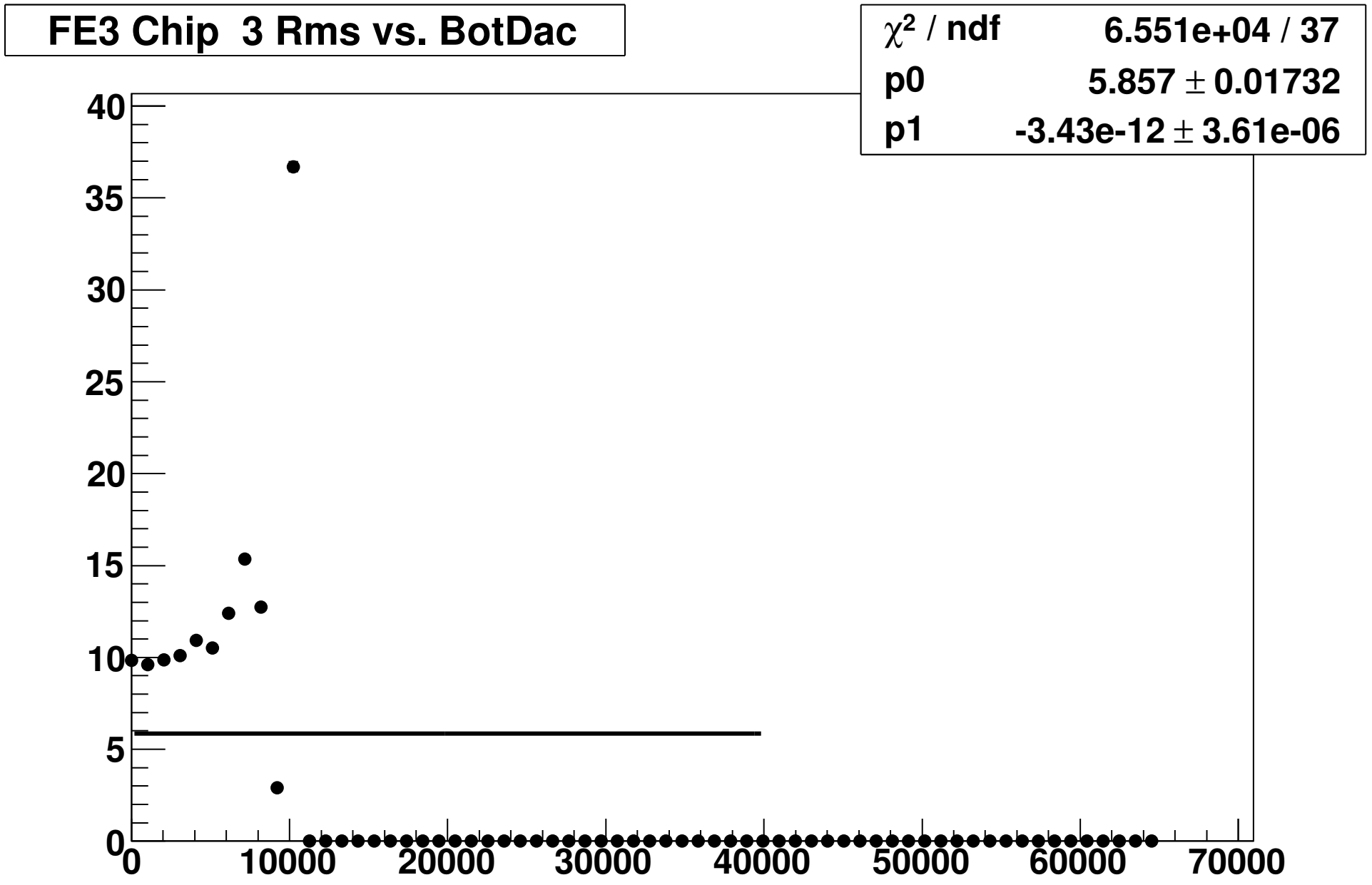
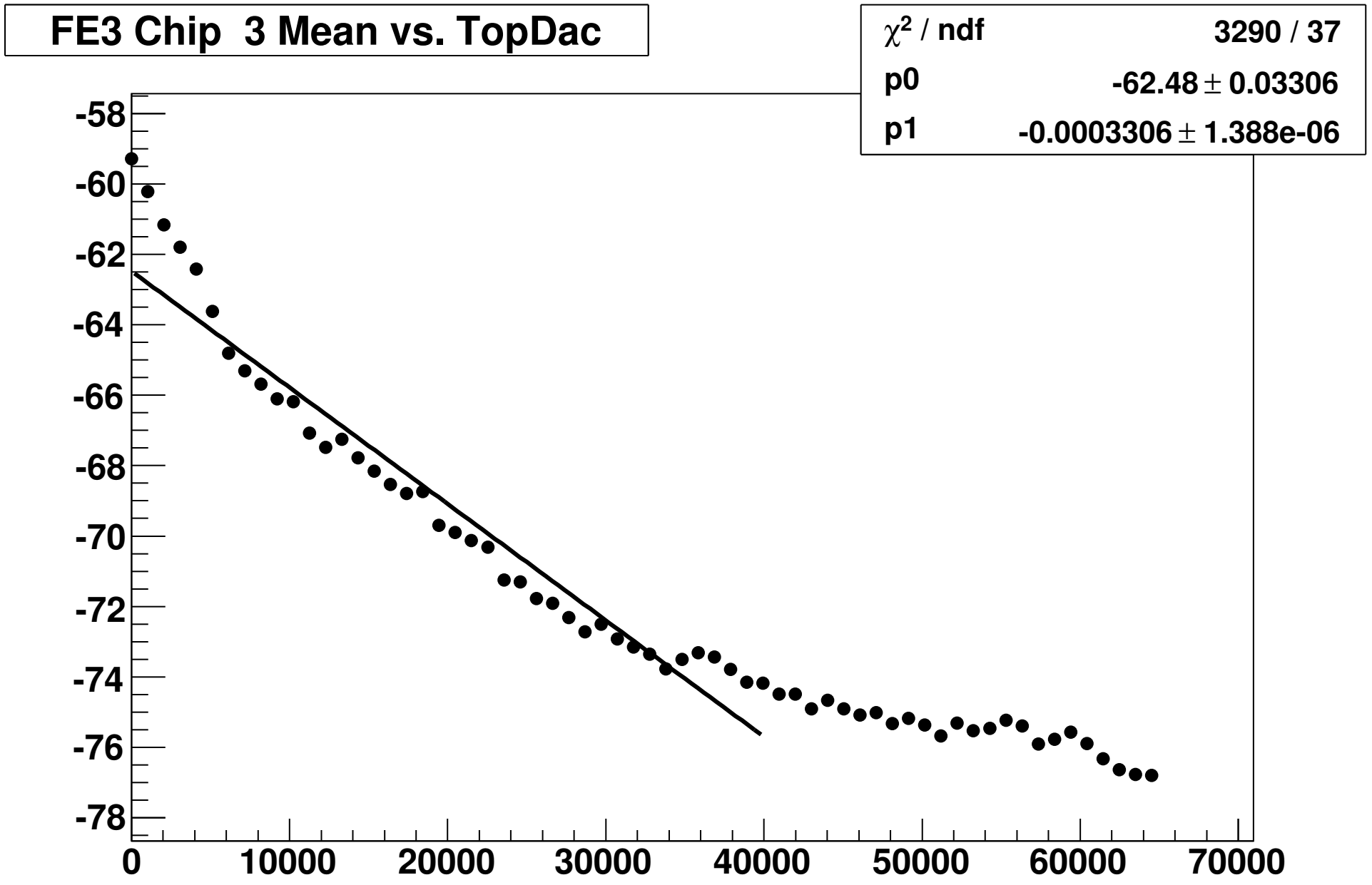
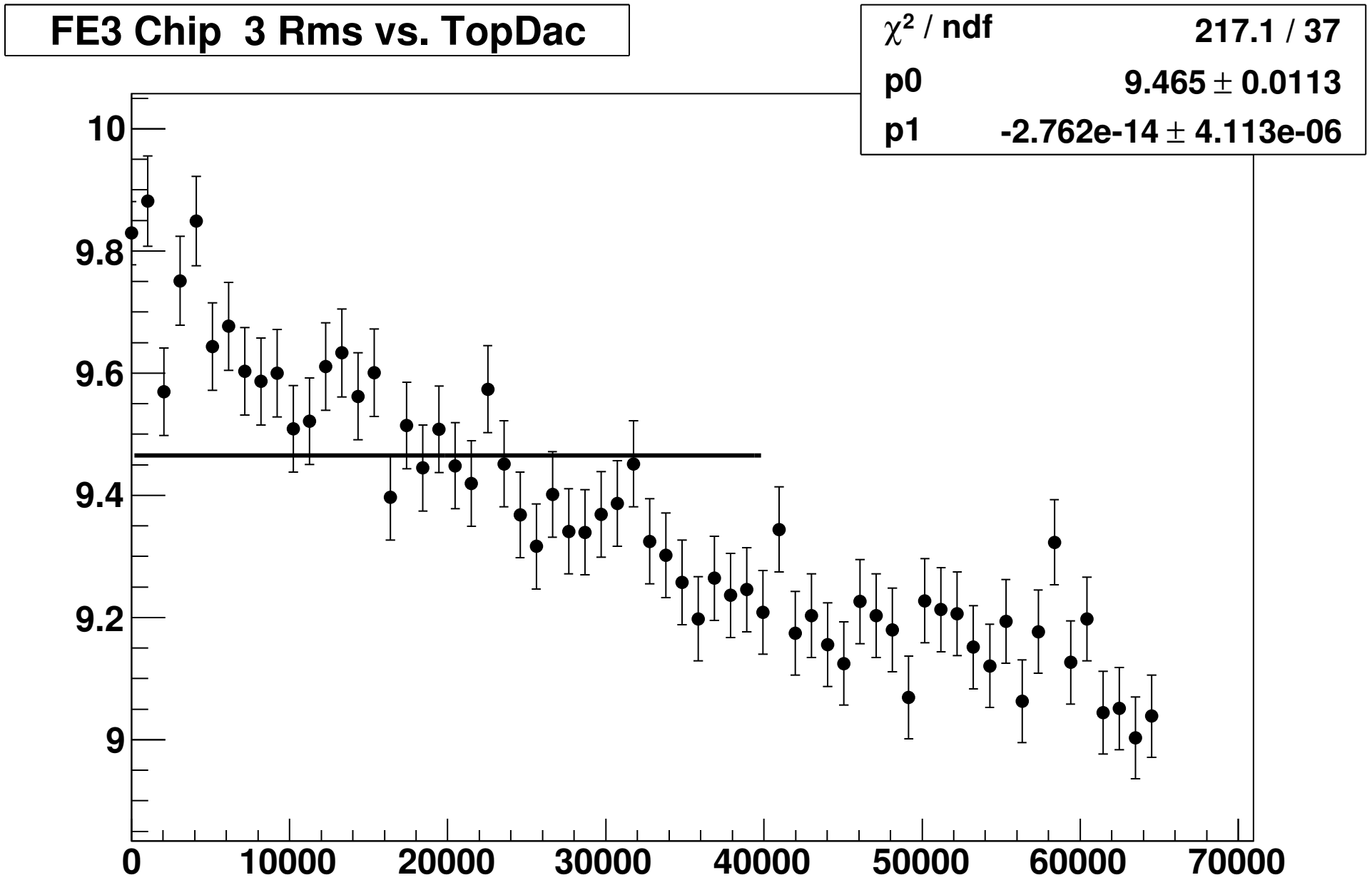

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 3701 / 37
p0 -45.75 ± 0.03263
p1 -0.000353 ± 1.389e-06
-42
-44
-46
-48
-50
-52
-54
-56
-58
-60
-62
0
10000
20000
30000
40000
50000
60000
70000

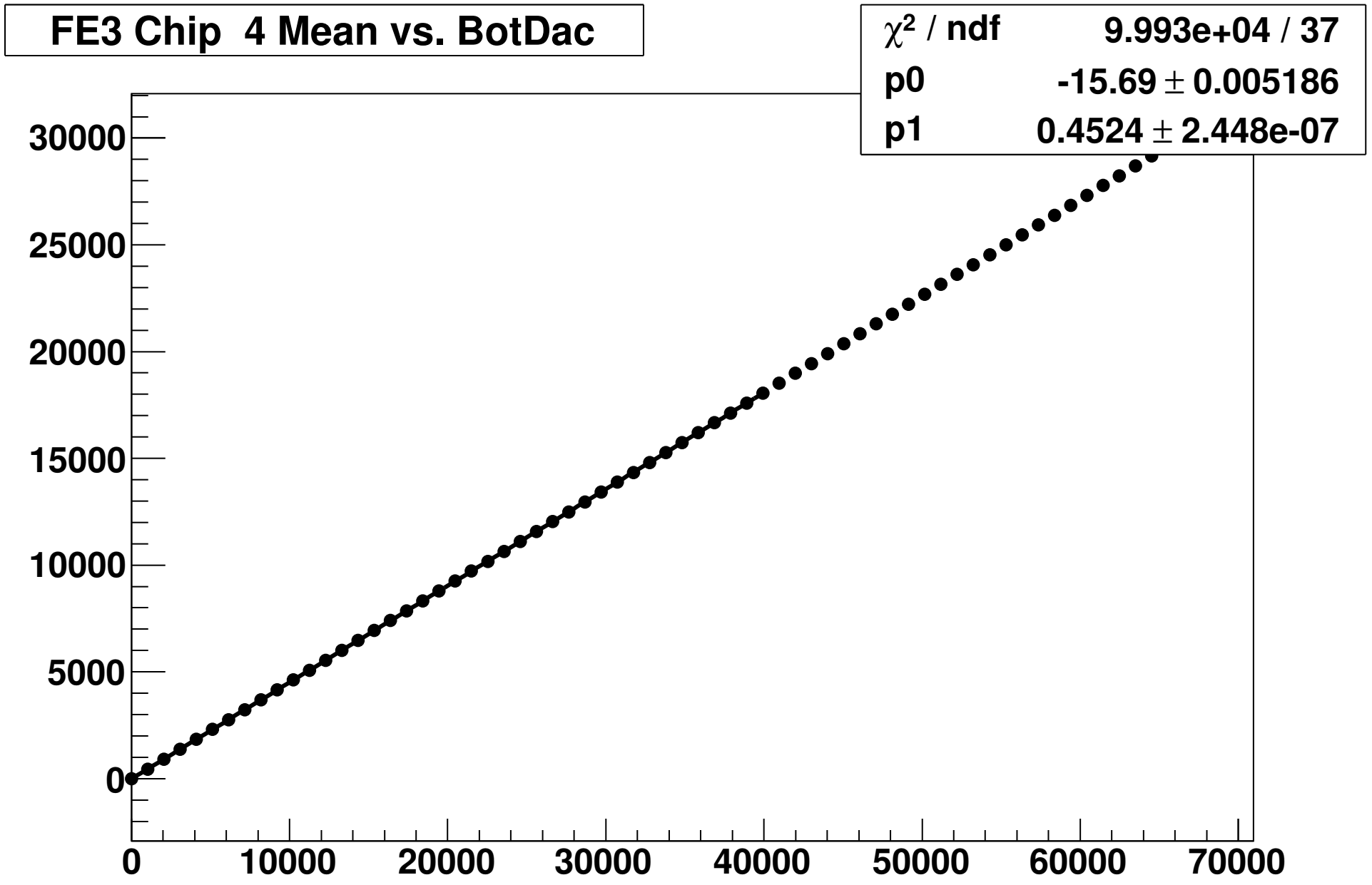

FE3 Chip 2 Rms vs. TopDac
χ^2 / ndf 41.32 / 37
p0 9.483 ± 0.01691
p1 3.499e-06 ± 6.321e-05
9.8
9.7
9.6
9.5
9.4
9.3
0
10000
20000
30000
40000
50000
60000
70000

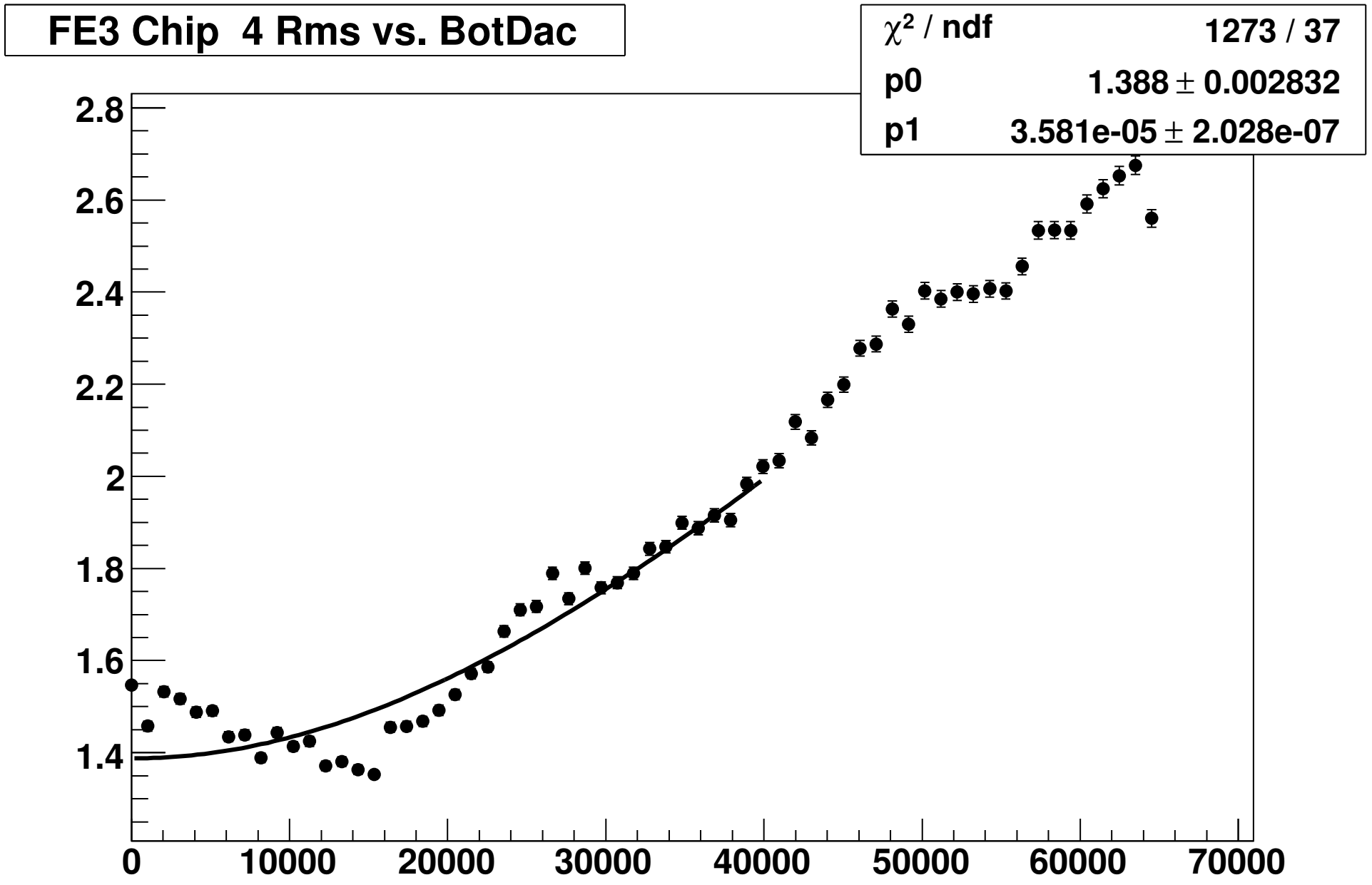

FE3 Chip 3 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
35000
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

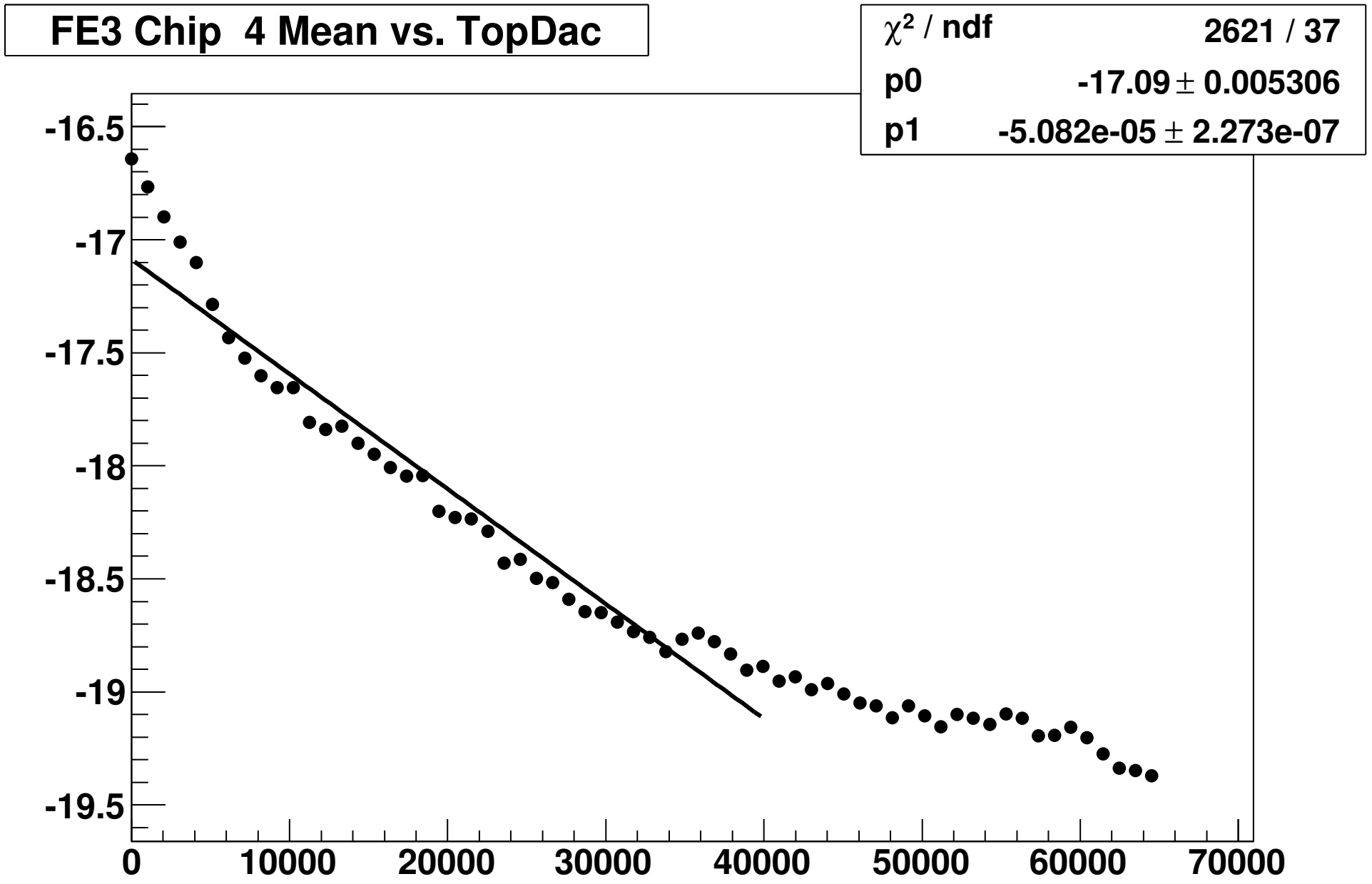

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 6.551e+04 / 37
p0 5.857 ± 0.01732
p1 -3.43e-12 ± 3.61e-06
40
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000
70000

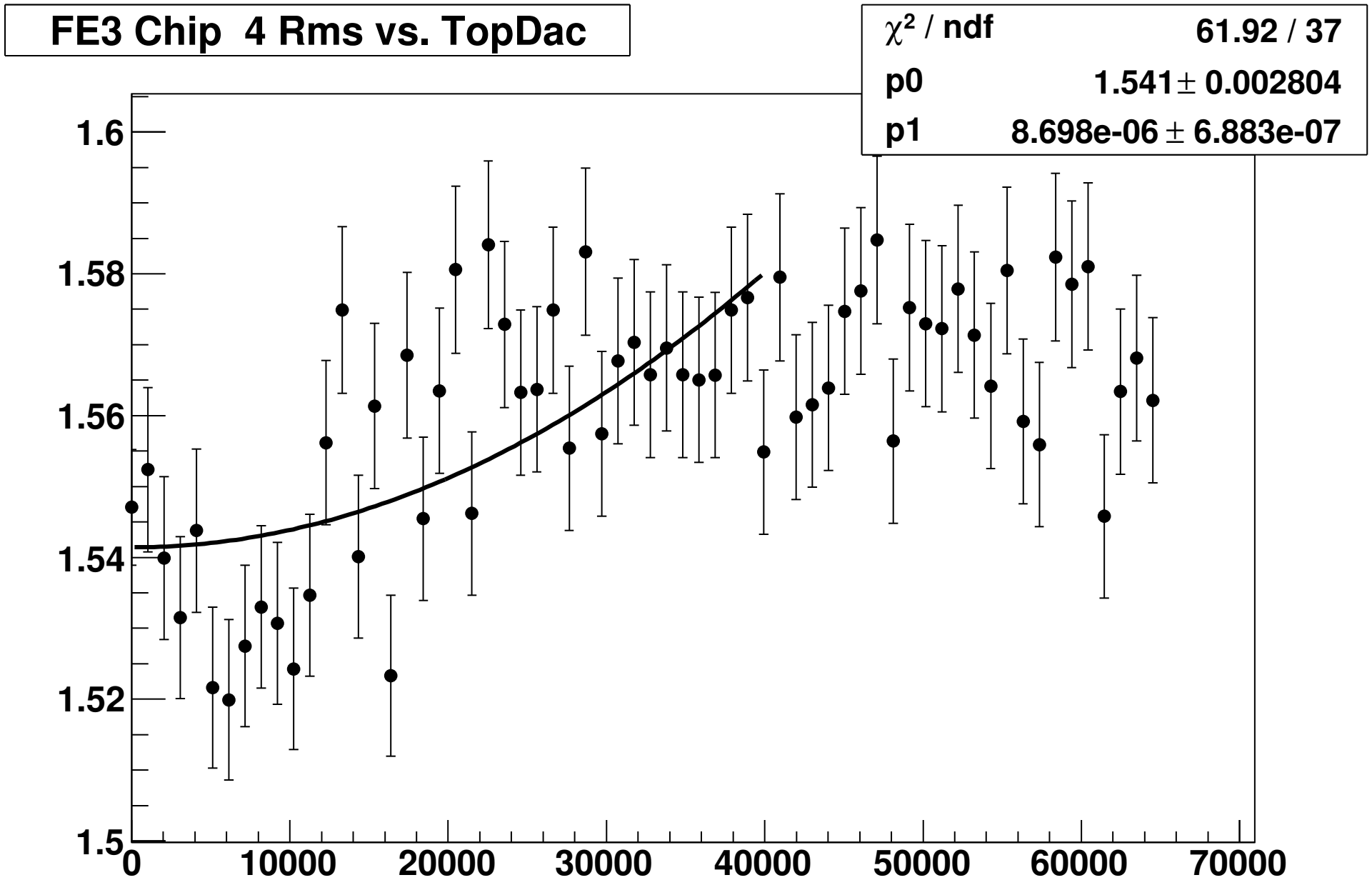

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 3290 / 37
p0 -62.48 ± 0.03306
p1 -0.0003306 ± 1.388e-06
-58
-60
-62
-64
-66
-68
-70
-72
-74
-76
-78
0
10000
20000
30000
40000
50000
60000
70000

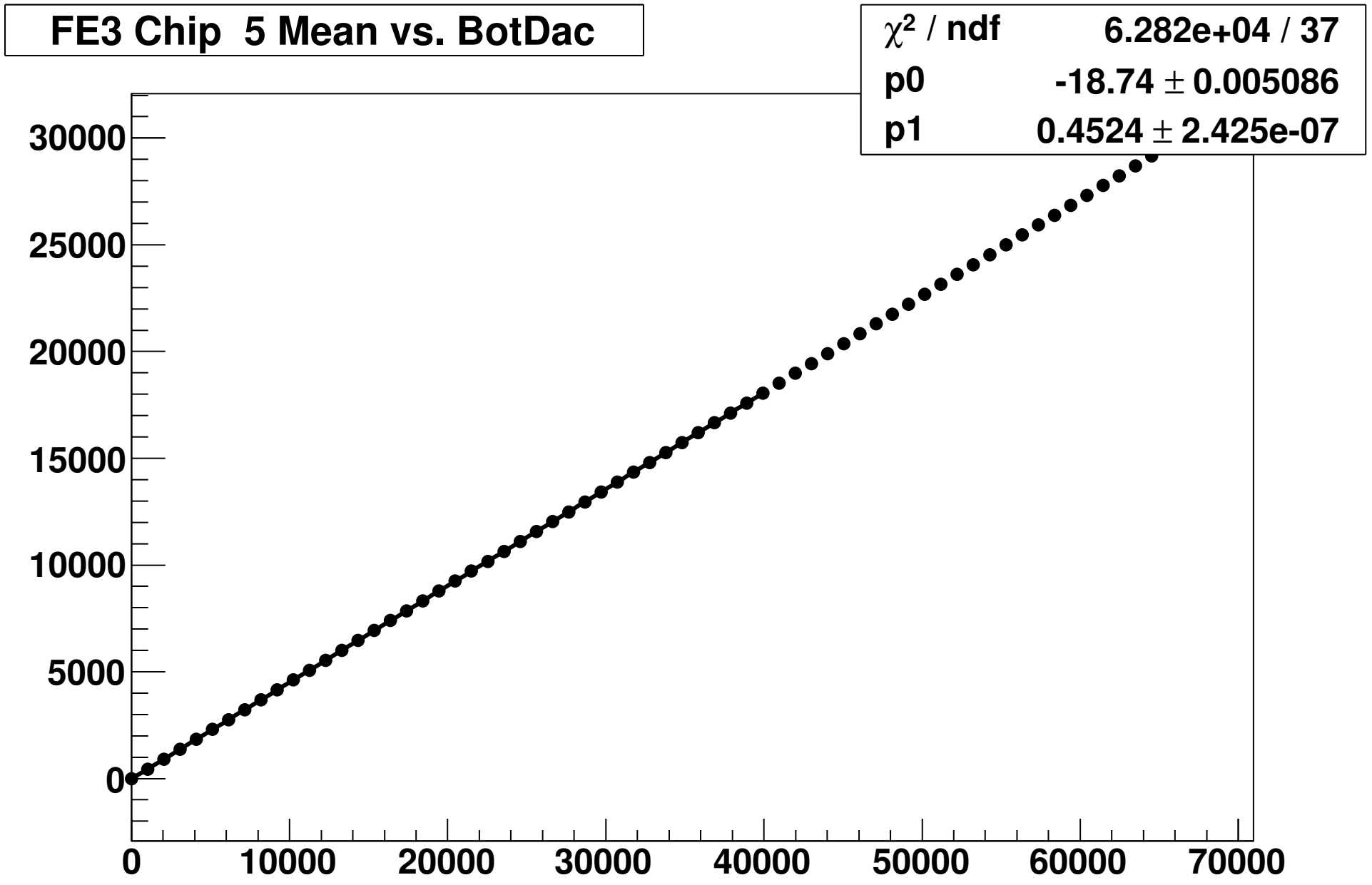

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 217.1 / 37
p0 9.465 ± 0.0113
p1 -2.762e-14 ± 4.113e-06
10
9.8
9.6
9.4
9.2
9
0
10000
20000
30000
40000
50000
60000
70000

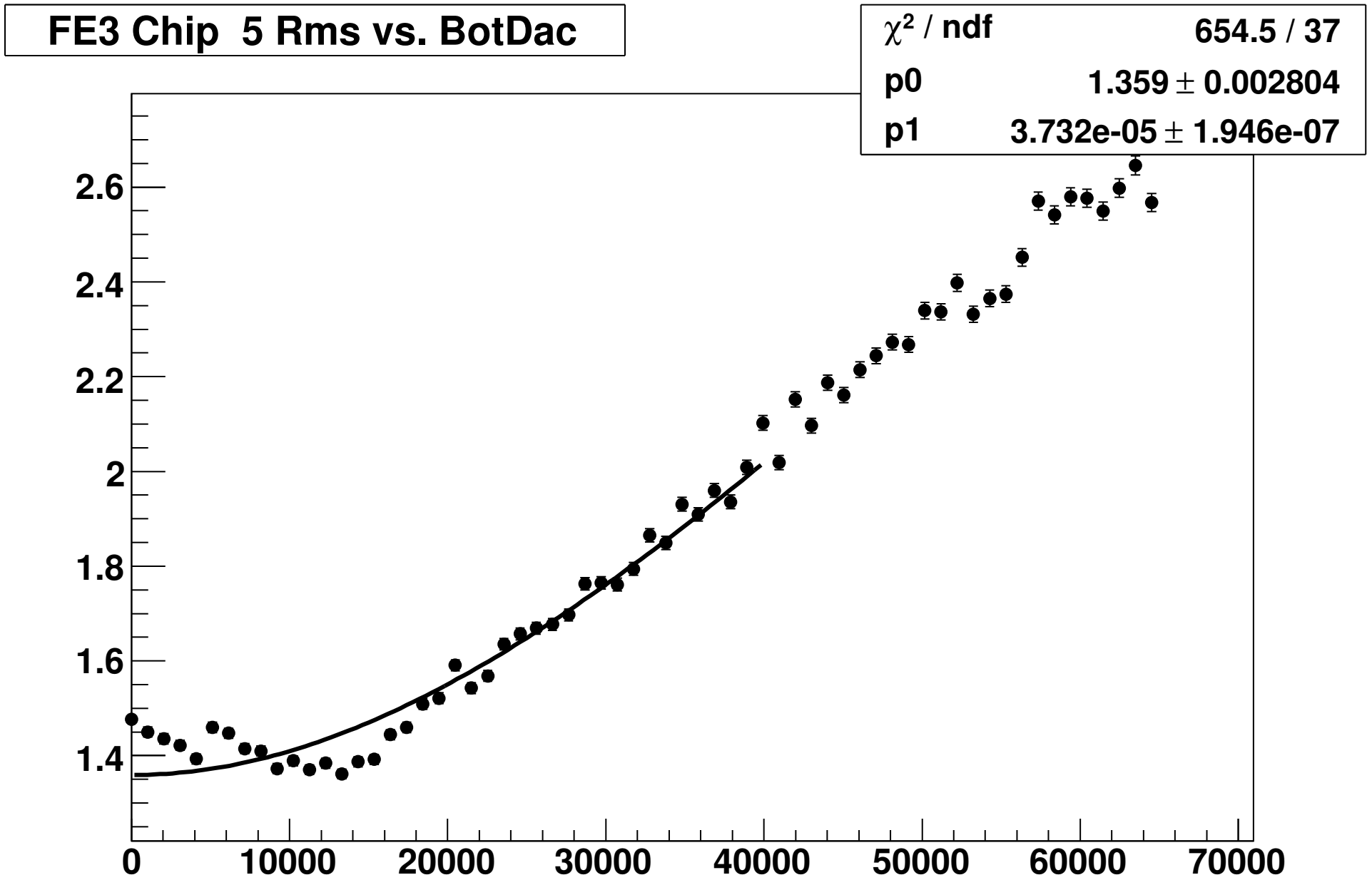

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 9.993e+04 / 37
p0 -15.69 ± 0.005186
p1 0.4524 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

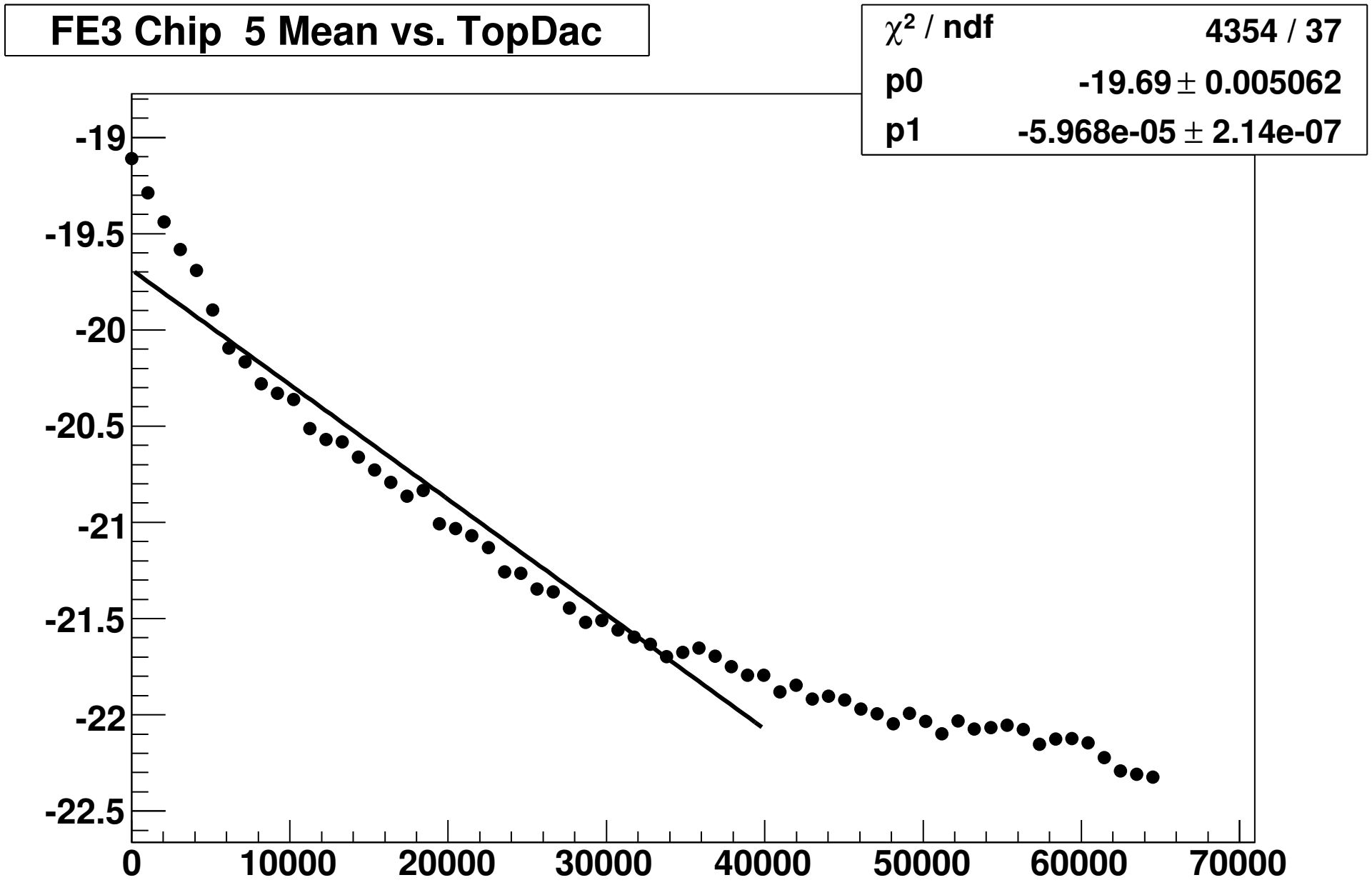

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1273 / 37
p0 1.388 ± 0.002832
p1 3.581e-05 ± 2.028e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

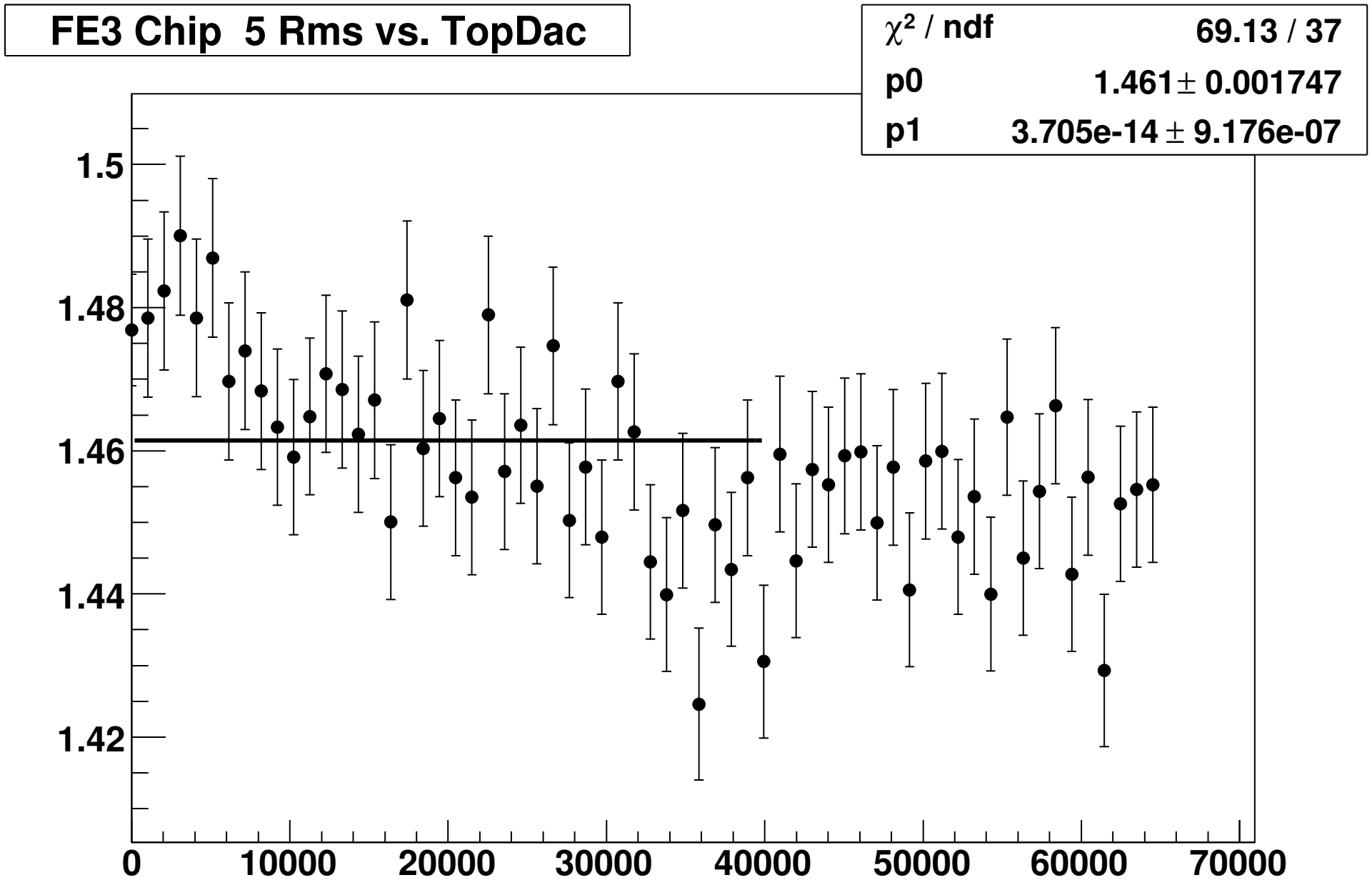

FE3 Chip 4 Mean vs. TopDac
χ² / ndf 2621 / 37
p0 -17.09 ± 0.005306
p1 -5.082e-05 ± 2.273e-07
-16.5
-17
-17.5
-18
-18.5
-19
-19.5
0
10000
20000
30000
40000
50000
60000
70000

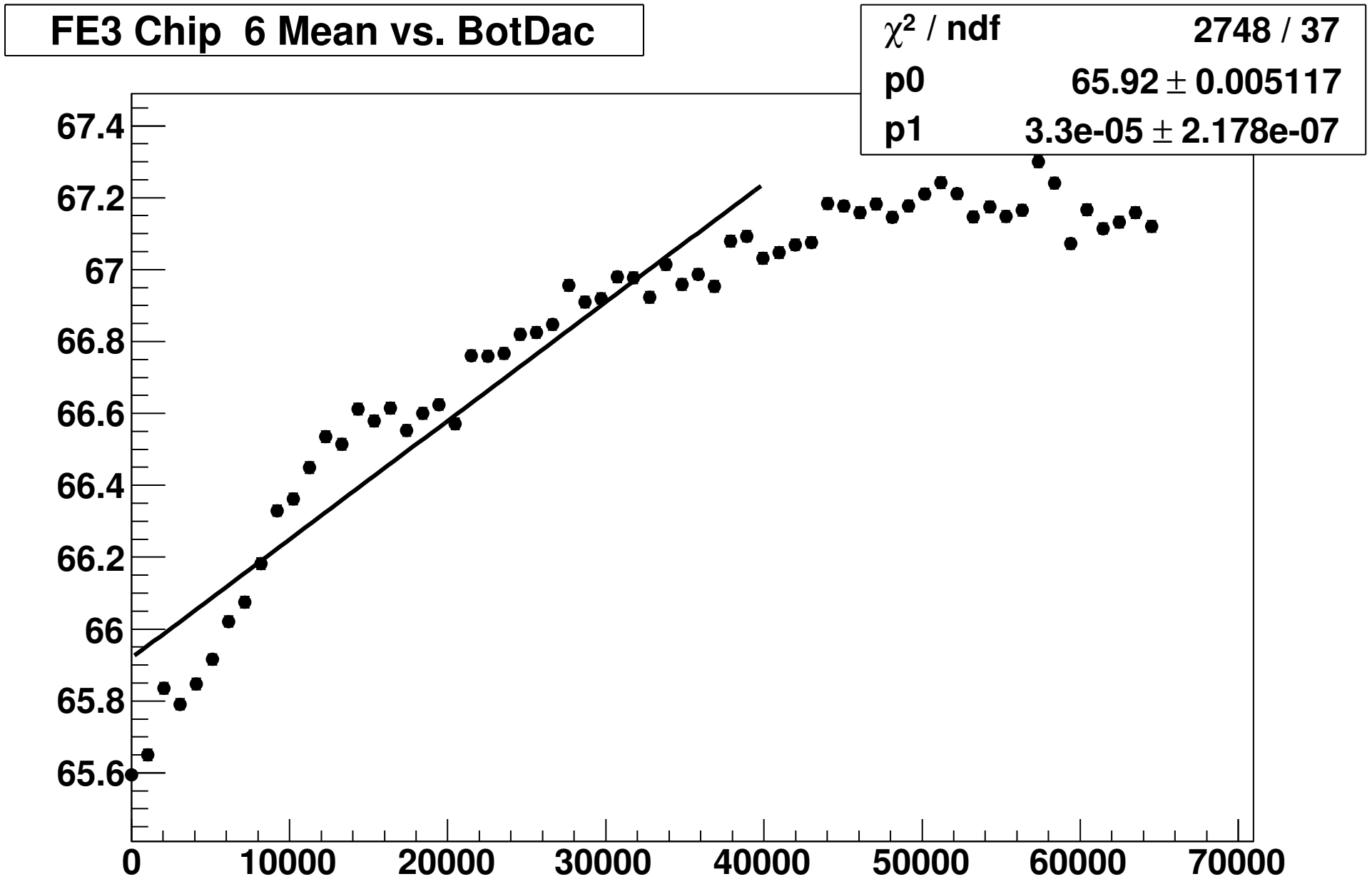

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 61.92 / 37
p0 1.541 ± 0.002804
p1 8.698e-06 ± 6.883e-07
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

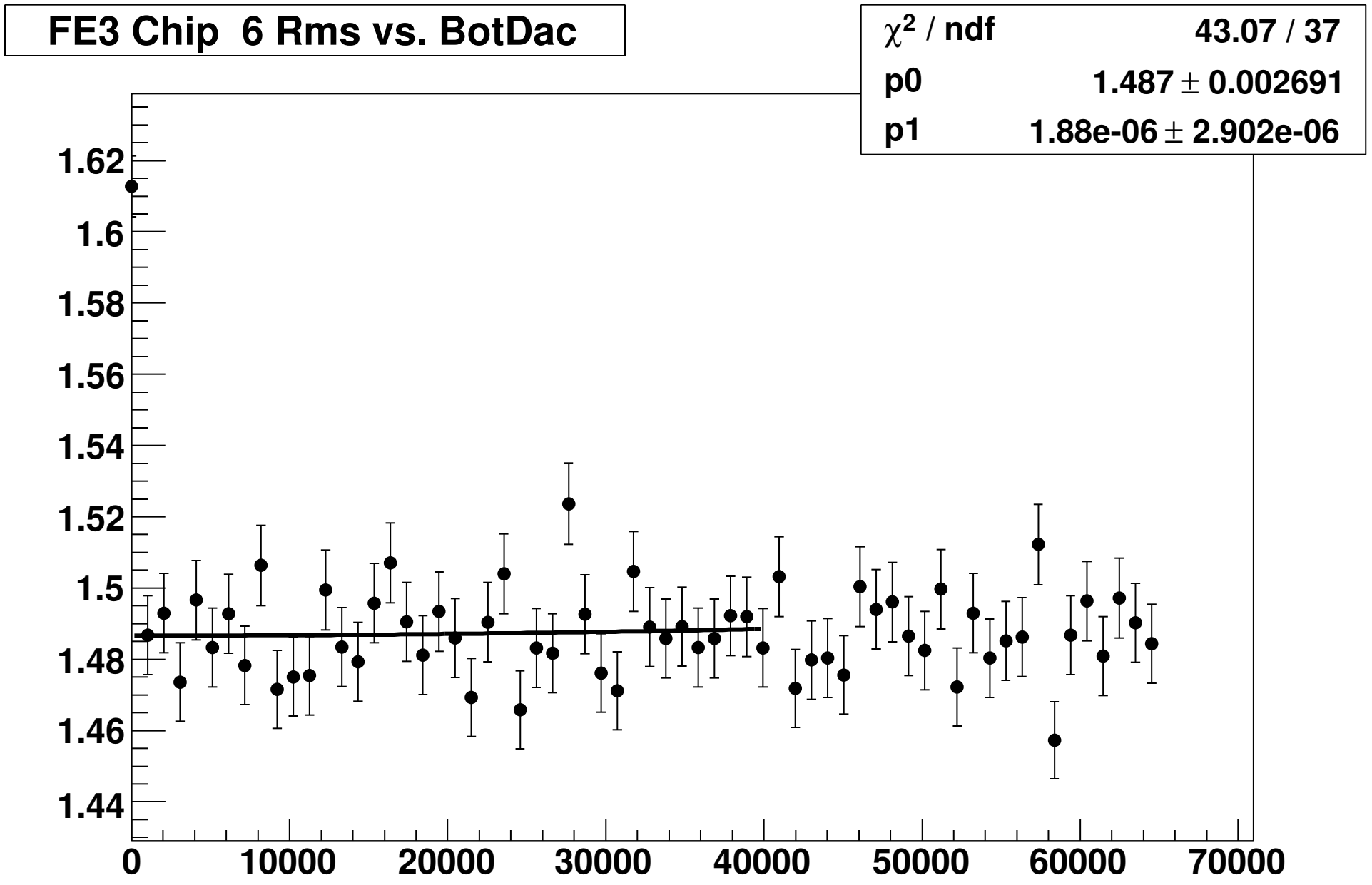

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 6.282e+04 / 37
p0 -18.74 ± 0.005086
p1 0.4524 ± 2.425e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

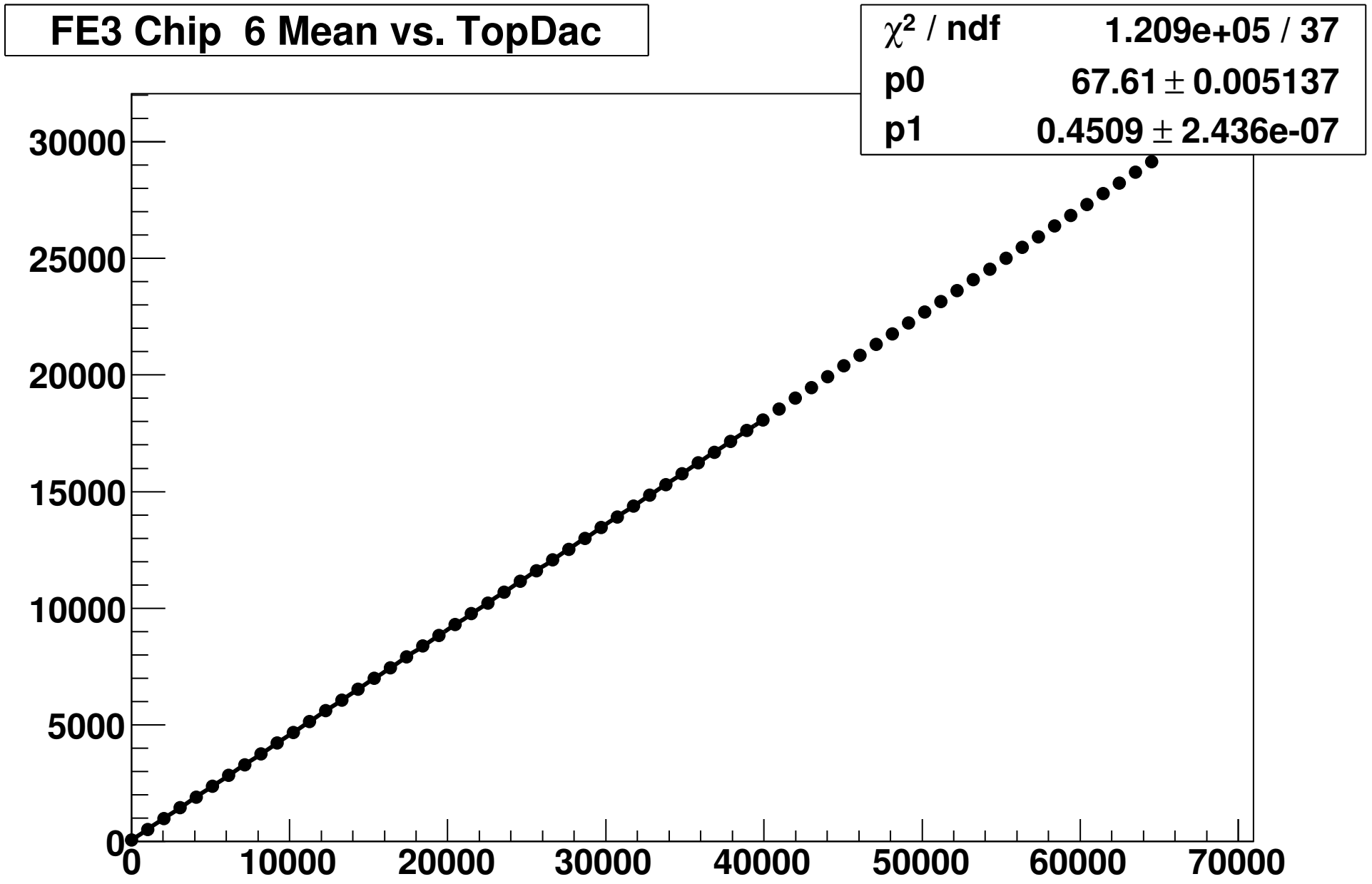

FE3 Chip 5 Rms vs. BotDac
χ² / ndf 654.5 / 37
p0 1.359 ± 0.002804
p1 3.732e-05 ± 1.946e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

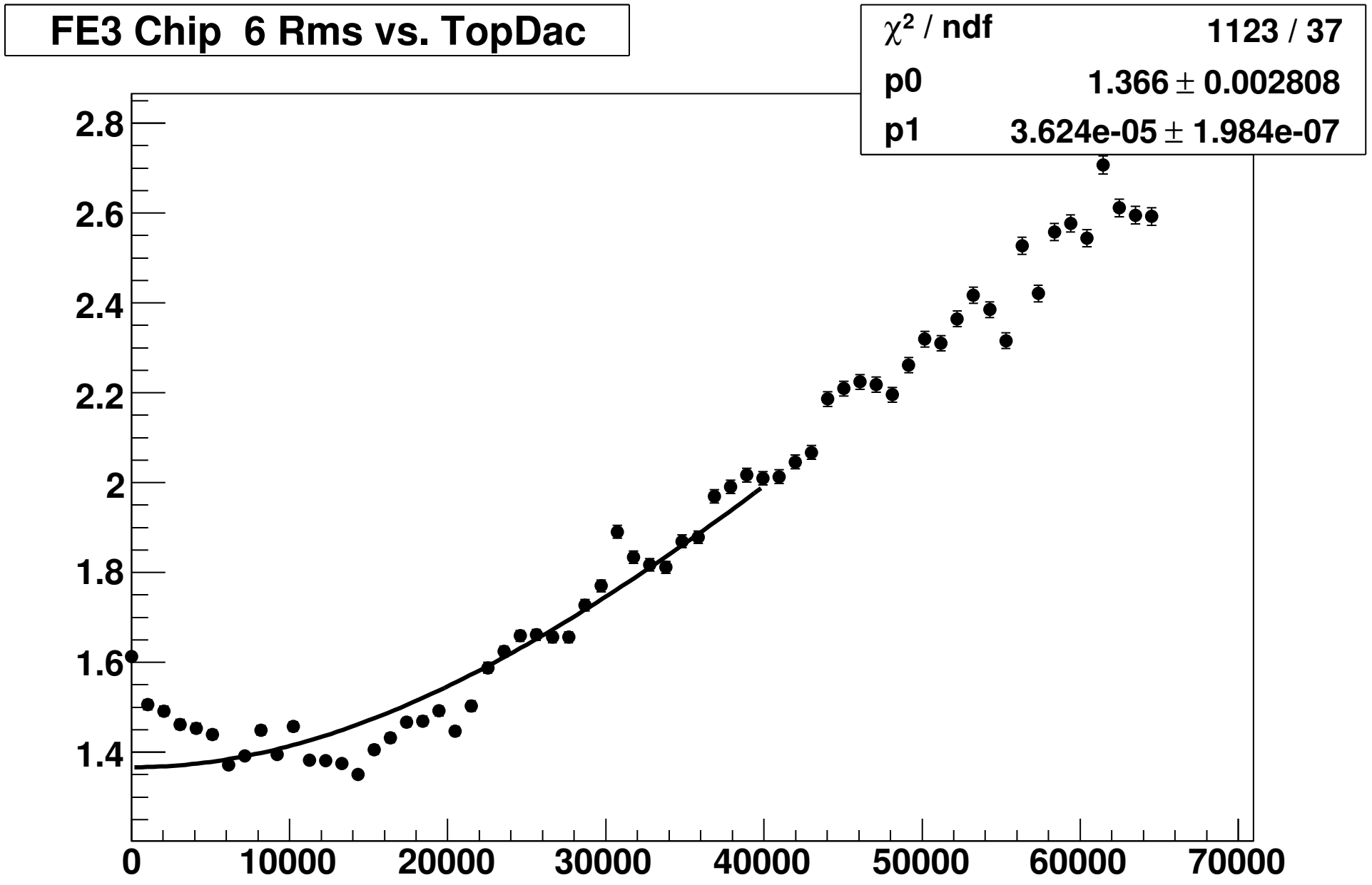

FE3 Chip 5 Mean vs. TopDac
χ² / ndf 4354 / 37
p0 -19.69 ± 0.005062
p1 -5.968e-05 ± 2.14e-07
-19
-19.5
-20
-20.5
-21
-21.5
-22
-22.5
0
10000
20000
30000
40000
50000
60000
70000

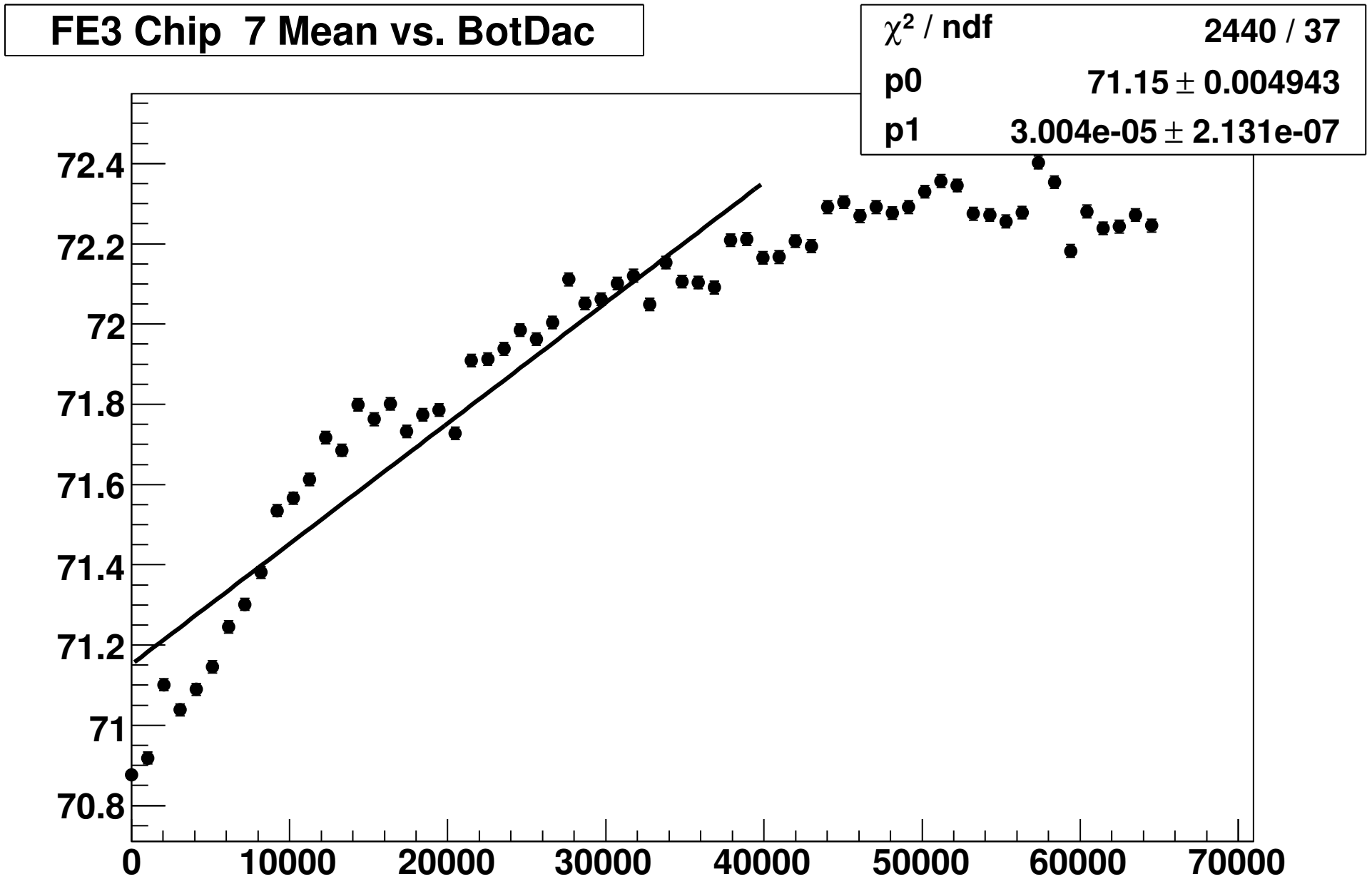

FE3 Chip 5 Rms vs. TopDac
χ² / ndf 69.13 / 37
p0 1.461 ± 0.001747
p1 3.705e-14 ± 9.176e-07
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

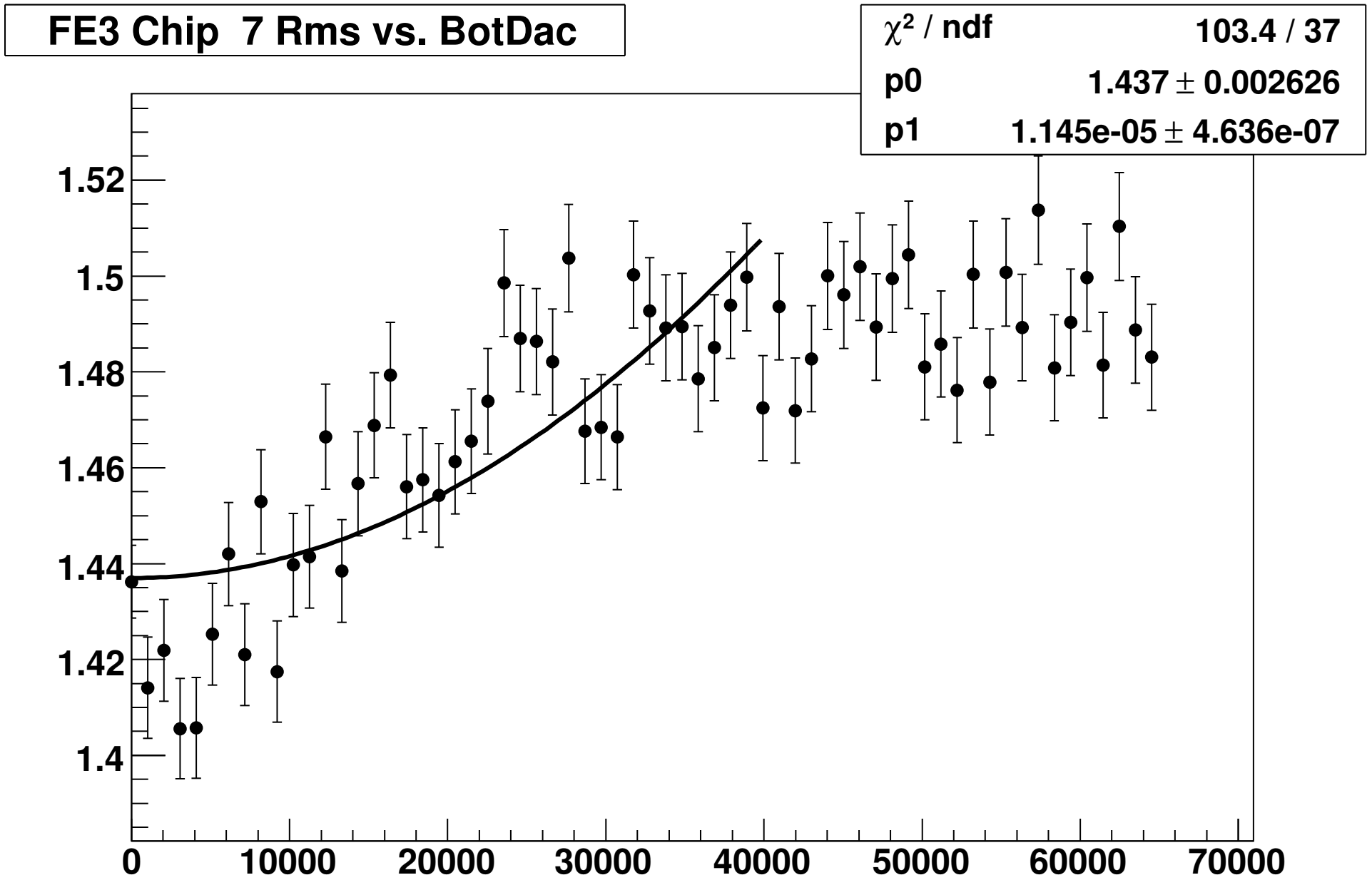

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 2748 / 37
p0 65.92 ± 0.005117
p1 3.3e-05 ± 2.178e-07
67.4
67.2
67
66.8
66.6
66.4
66.2
66
65.8
65.6
0
10000
20000
30000
40000
50000
60000
70000

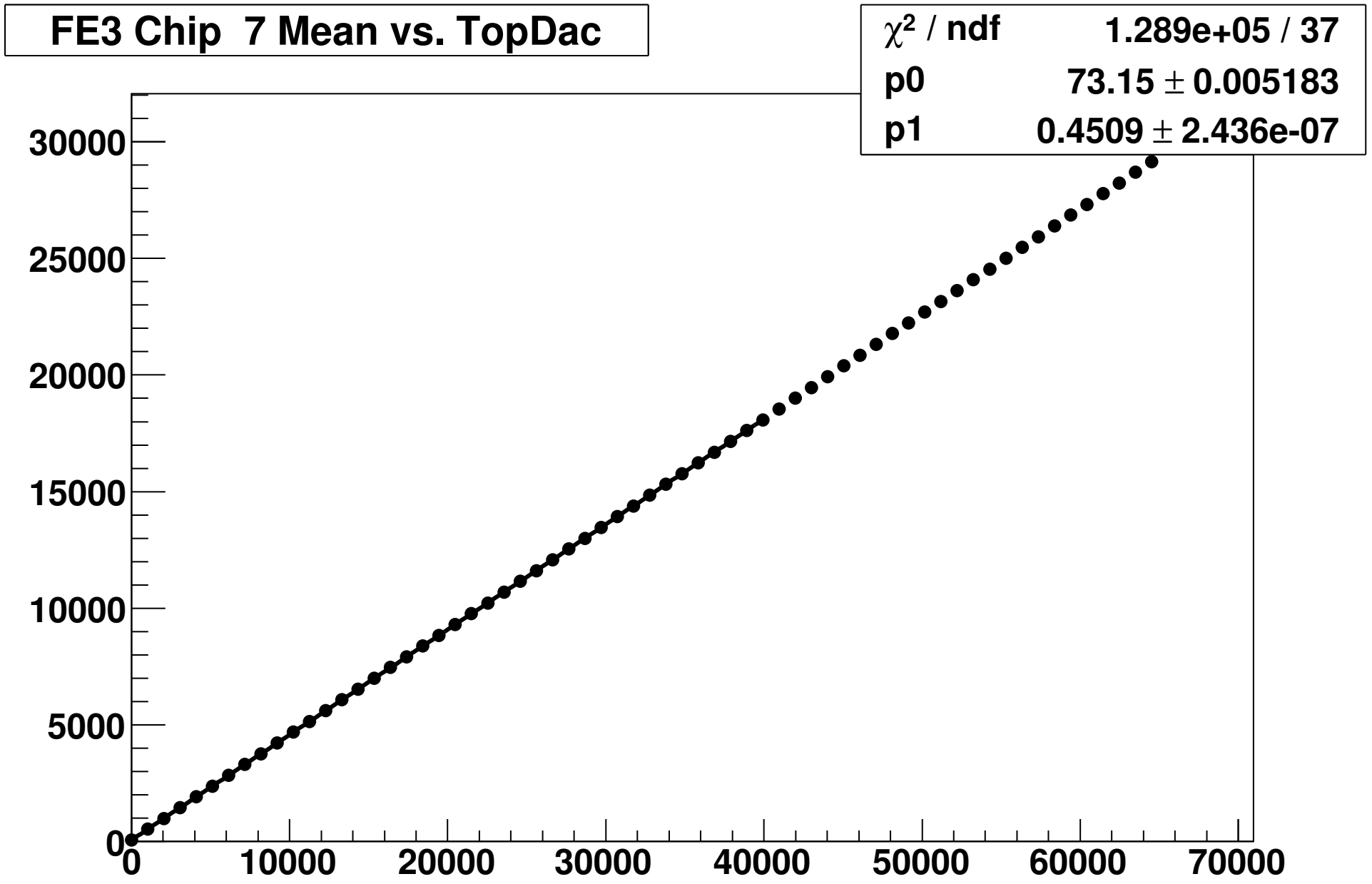

FE3 Chip 6 Rms vs. BotDac
χ² / ndf 43.07 / 37
p0 1.487 ± 0.002691
p1 1.88e-06 ± 2.902e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

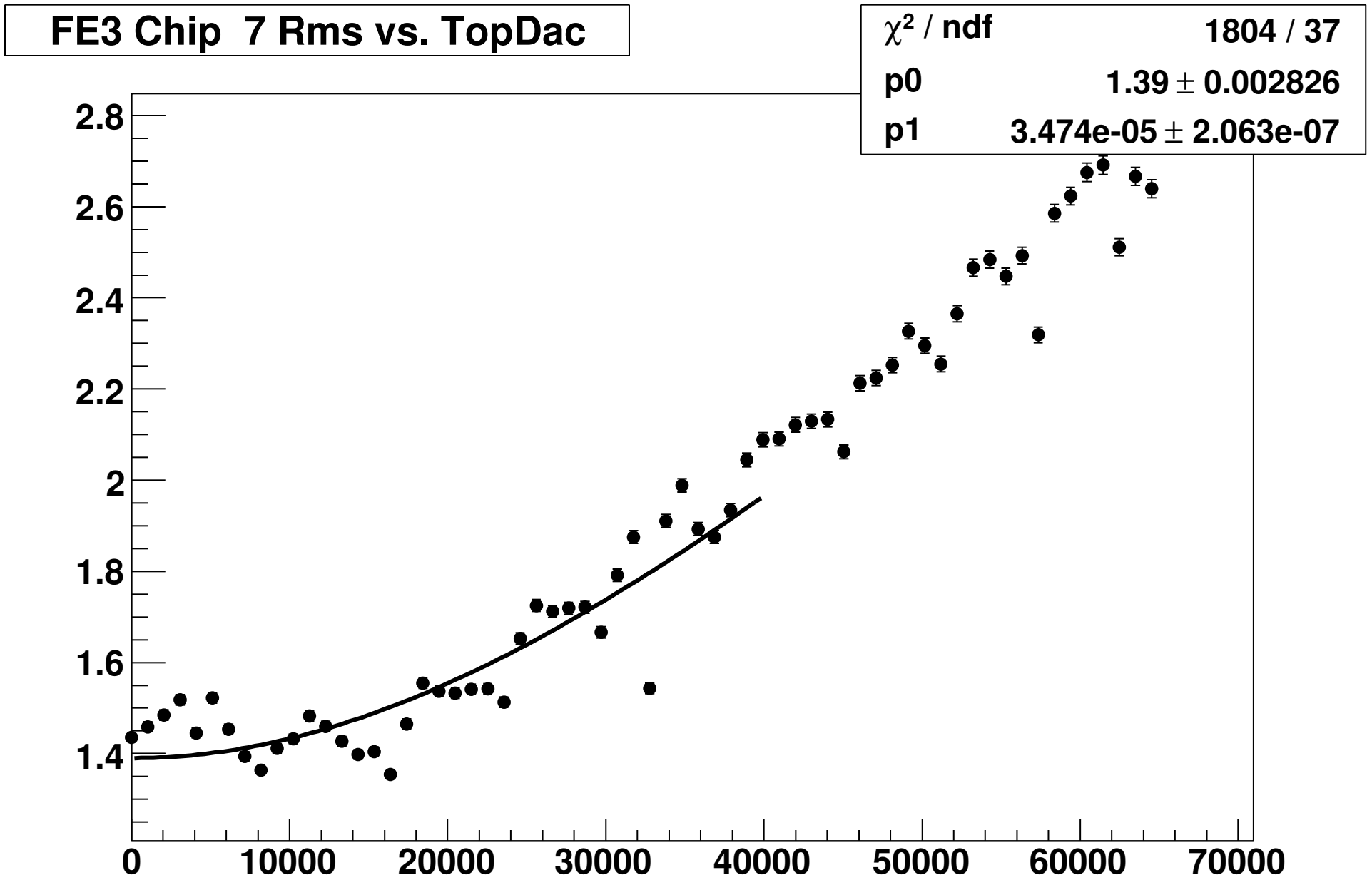

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.209e+05 / 37
p0 67.61 ± 0.005137
p1 0.4509 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

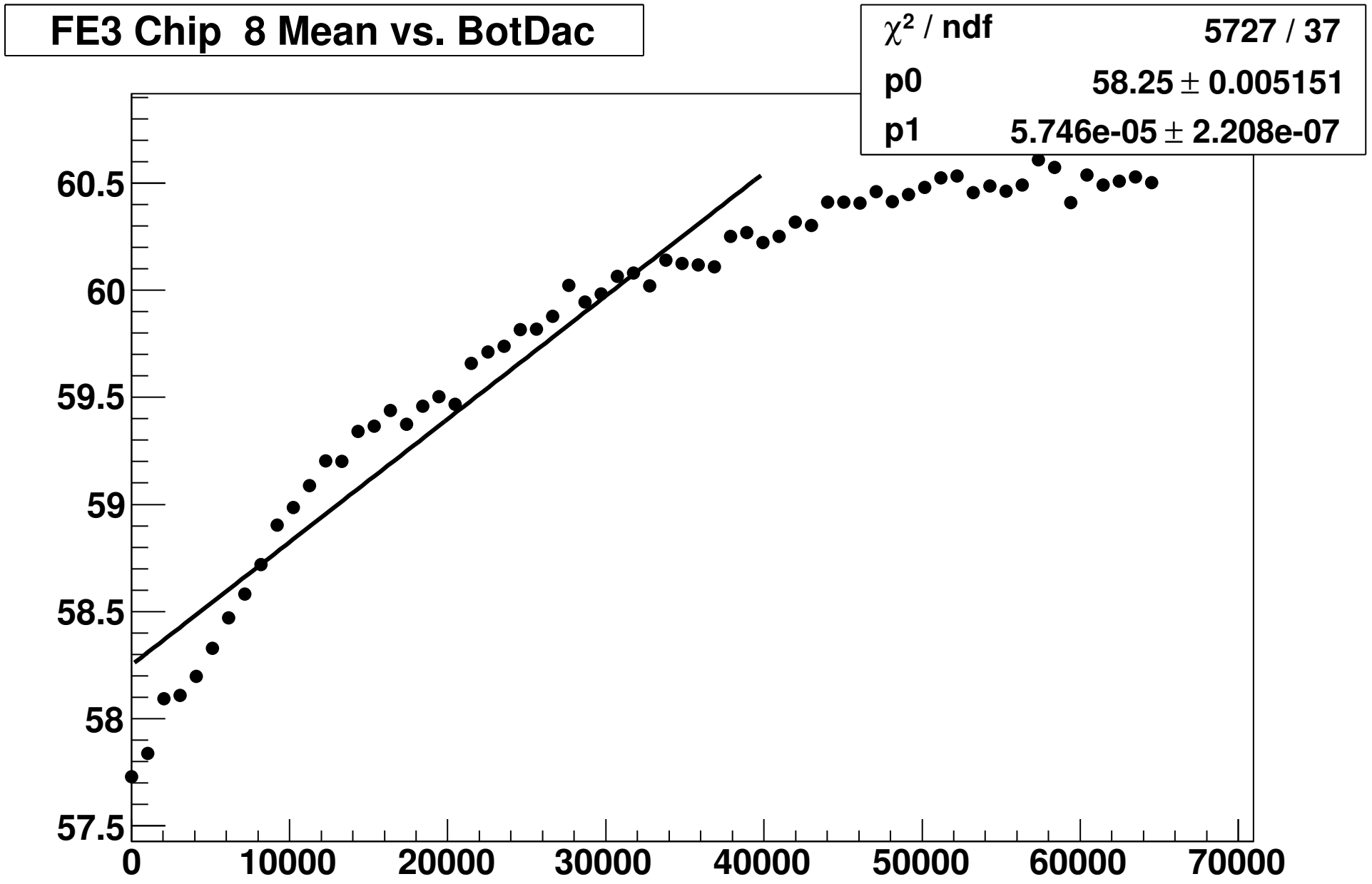

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1123 / 37
p0 1.366 ± 0.002808
p1 3.624e-05 ± 1.984e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

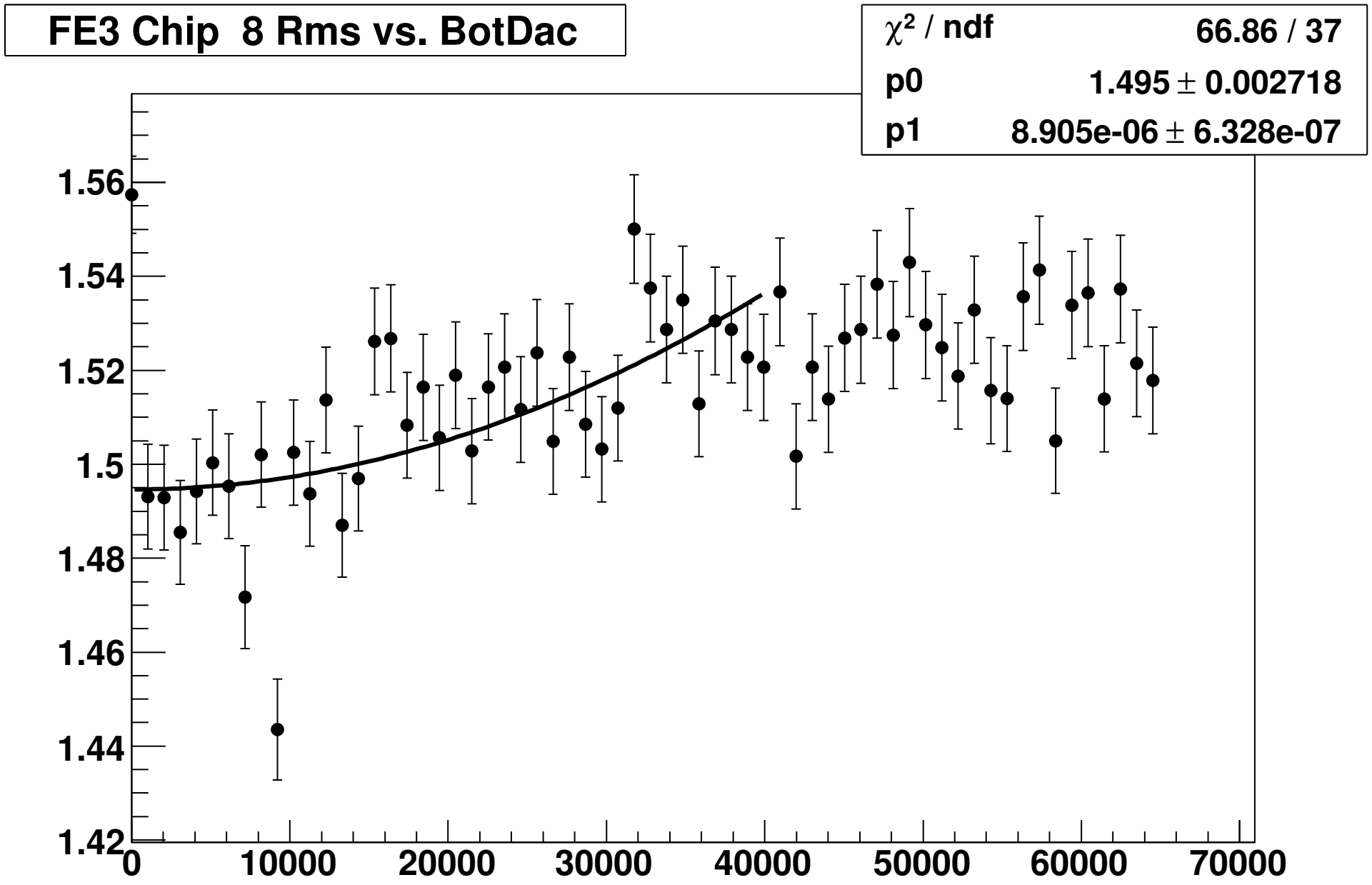

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 2440 / 37
p0 71.15 ± 0.004943
p1 3.004e-05 ± 2.131e-07
72.4
72.2
72
71.8
71.6
71.4
71.2
71
70.8
0
10000
20000
30000
40000
50000
60000
70000

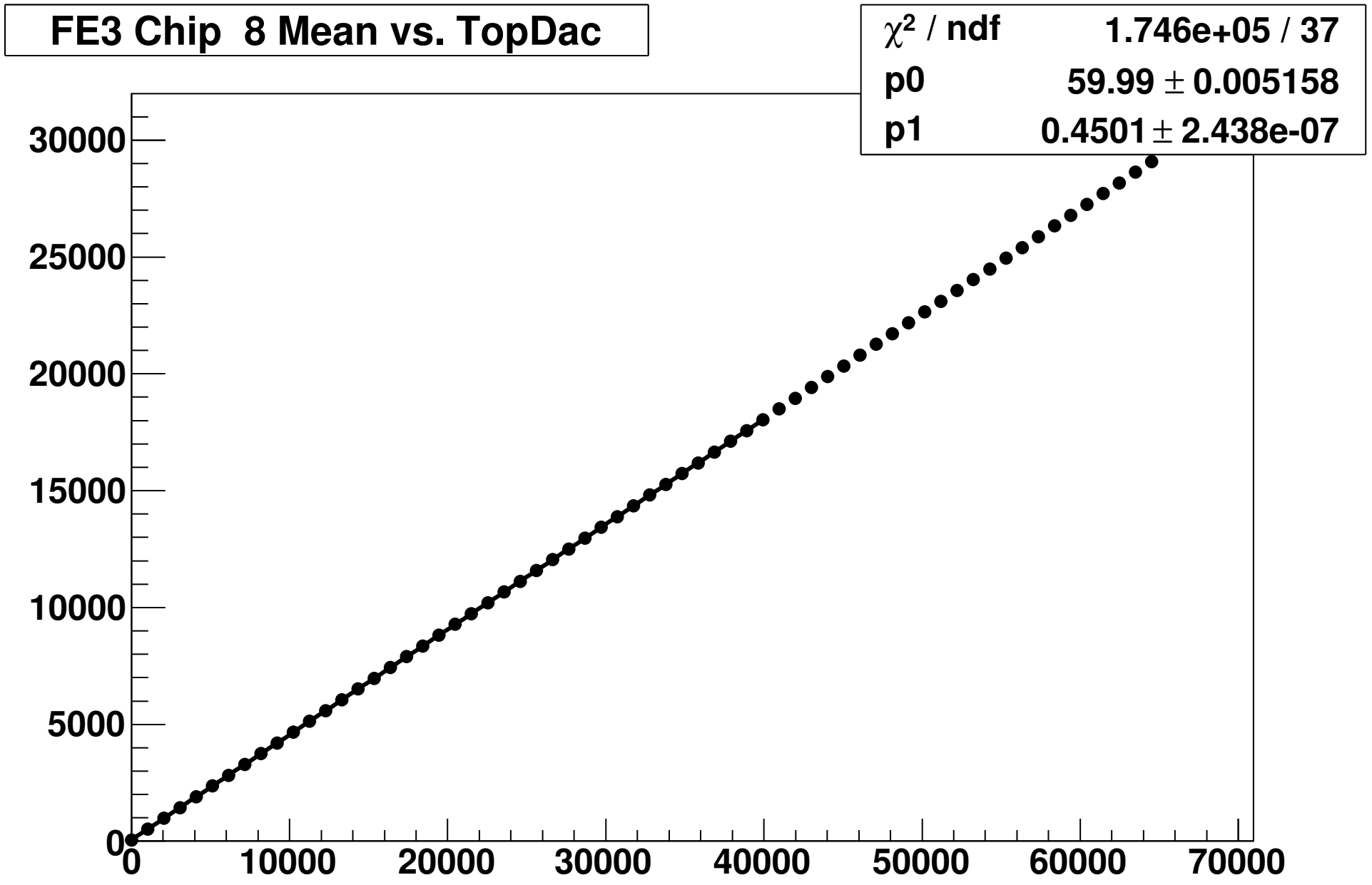

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 103.4 / 37
p0 1.437 ± 0.002626
p1 1.145e-05 ± 4.636e-07
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

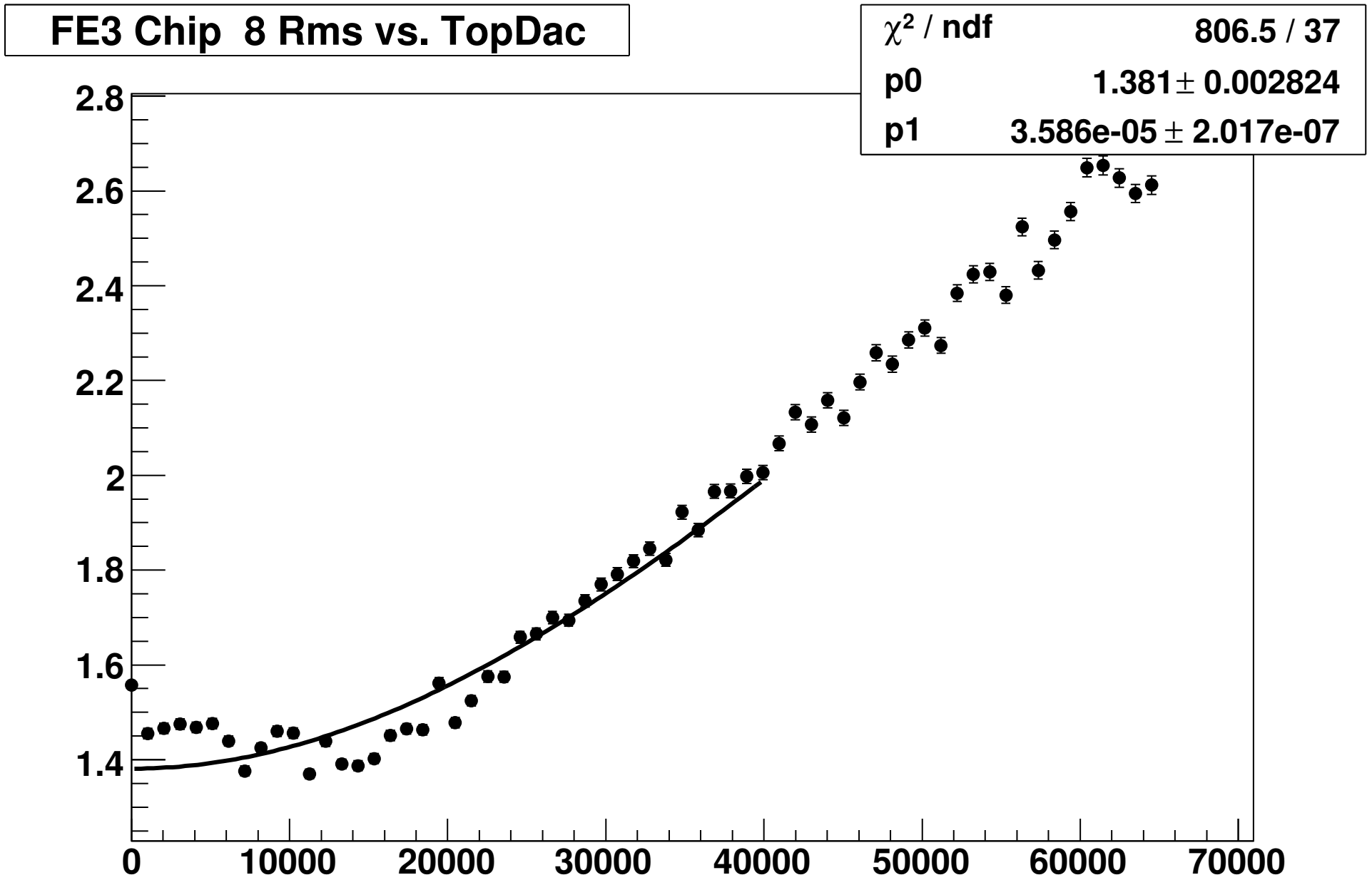

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.289e+05 / 37
p0 73.15 ± 0.005183
p1 0.4509 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

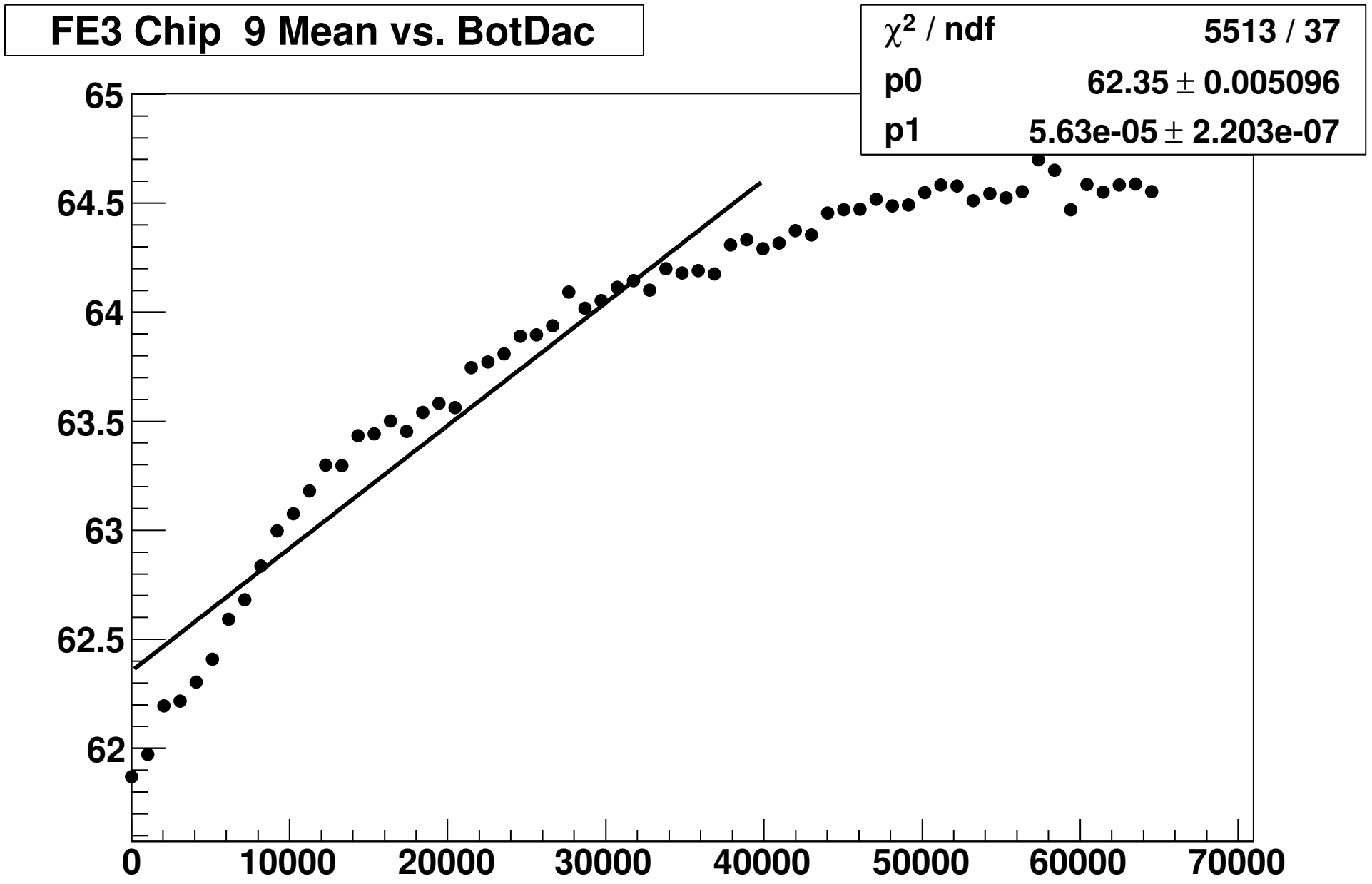

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1804 / 37
p0 1.39 ± 0.002826
p1 3.474e-05 ± 2.063e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

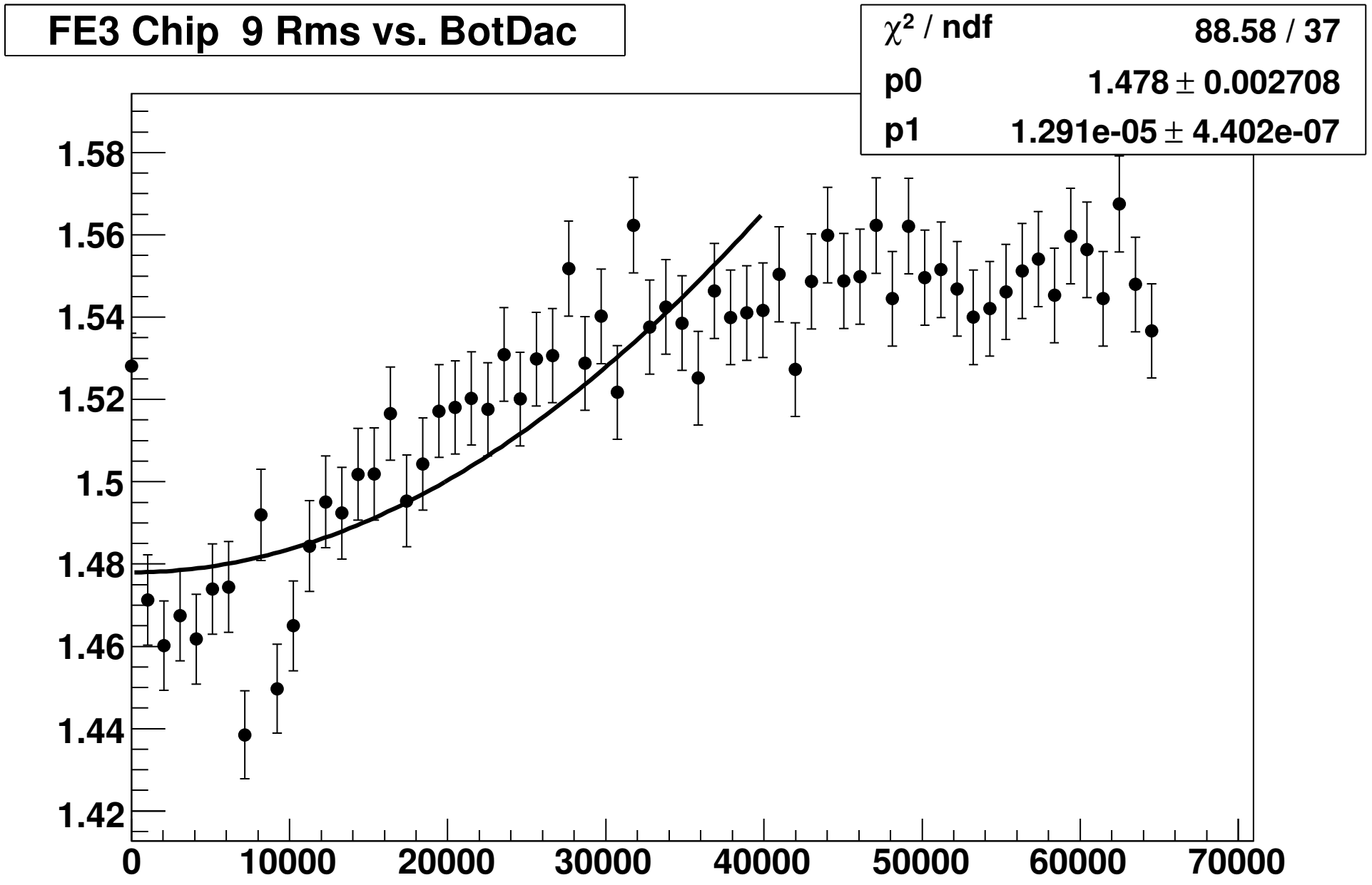

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 5727 / 37
p0 58.25 ± 0.005151
p1 5.746e-05 ± 2.208e-07
60.5
60
59.5
59
58.5
58
57.5
0
10000
20000
30000
40000
50000
60000
70000

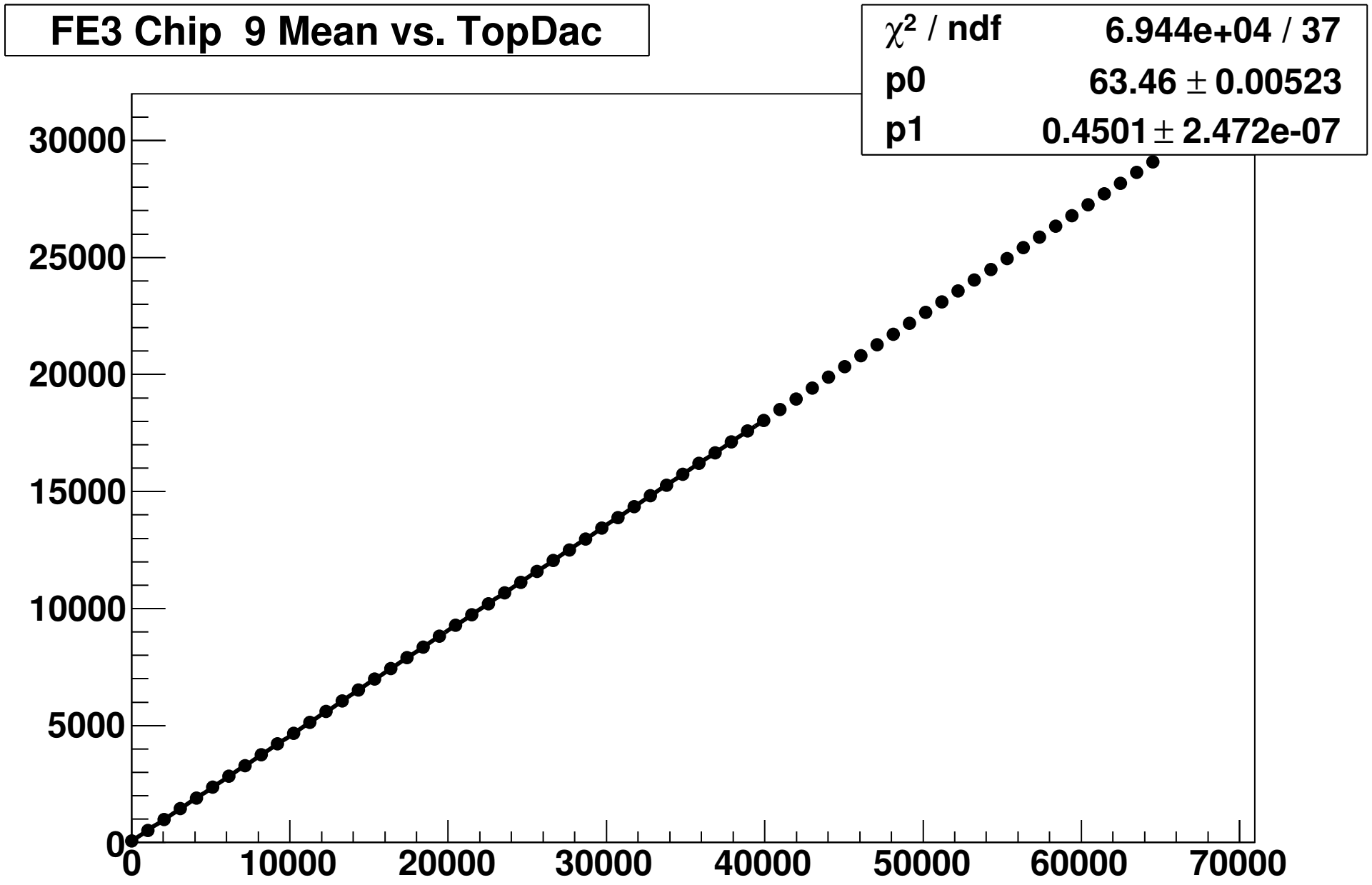

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 66.86 / 37
p0 1.495 ± 0.002718
p1 8.905e-06 ± 6.328e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

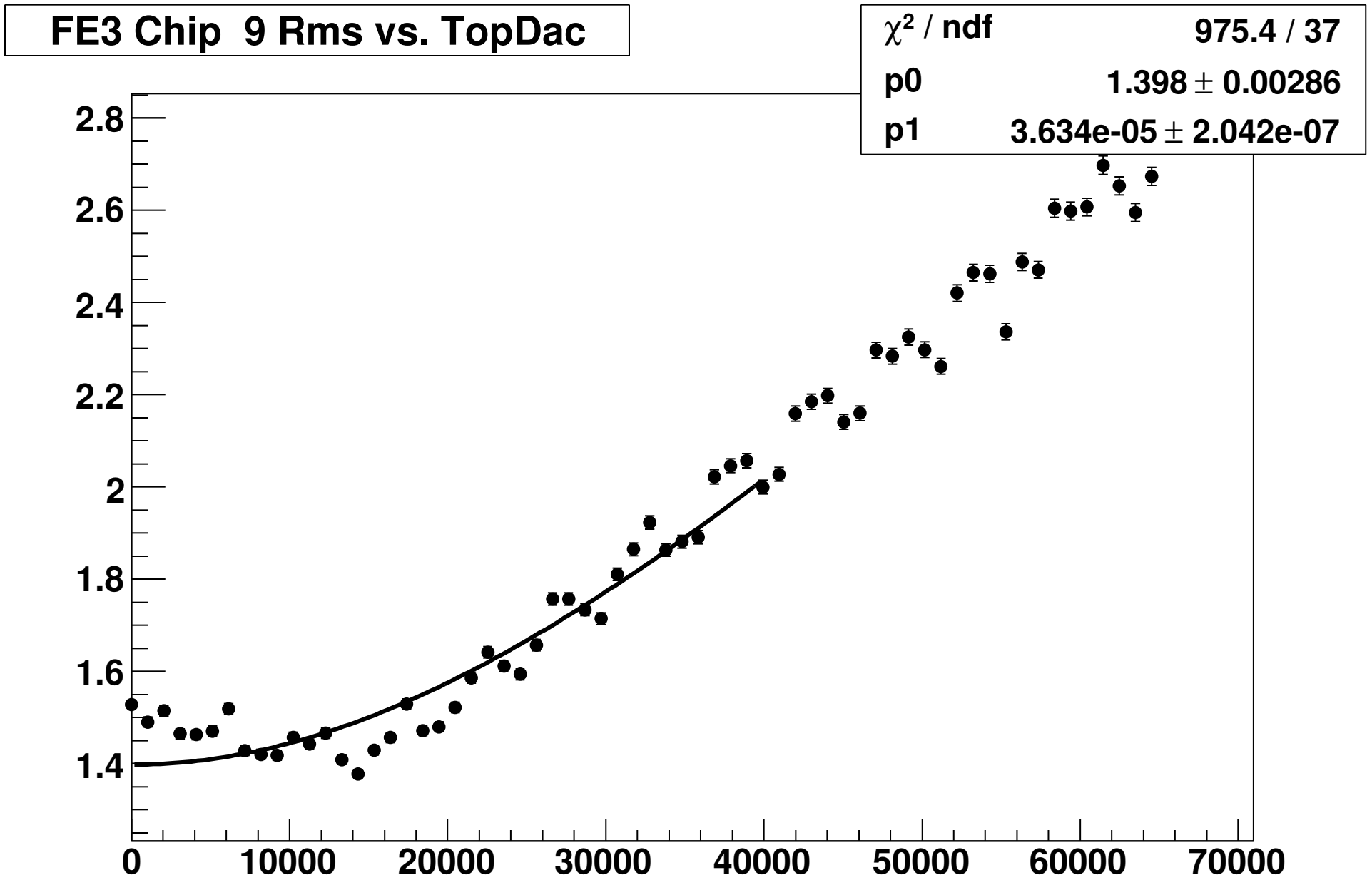

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.746e+05 / 37
p0 59.99 ± 0.005158
p1 0.4501 ± 2.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

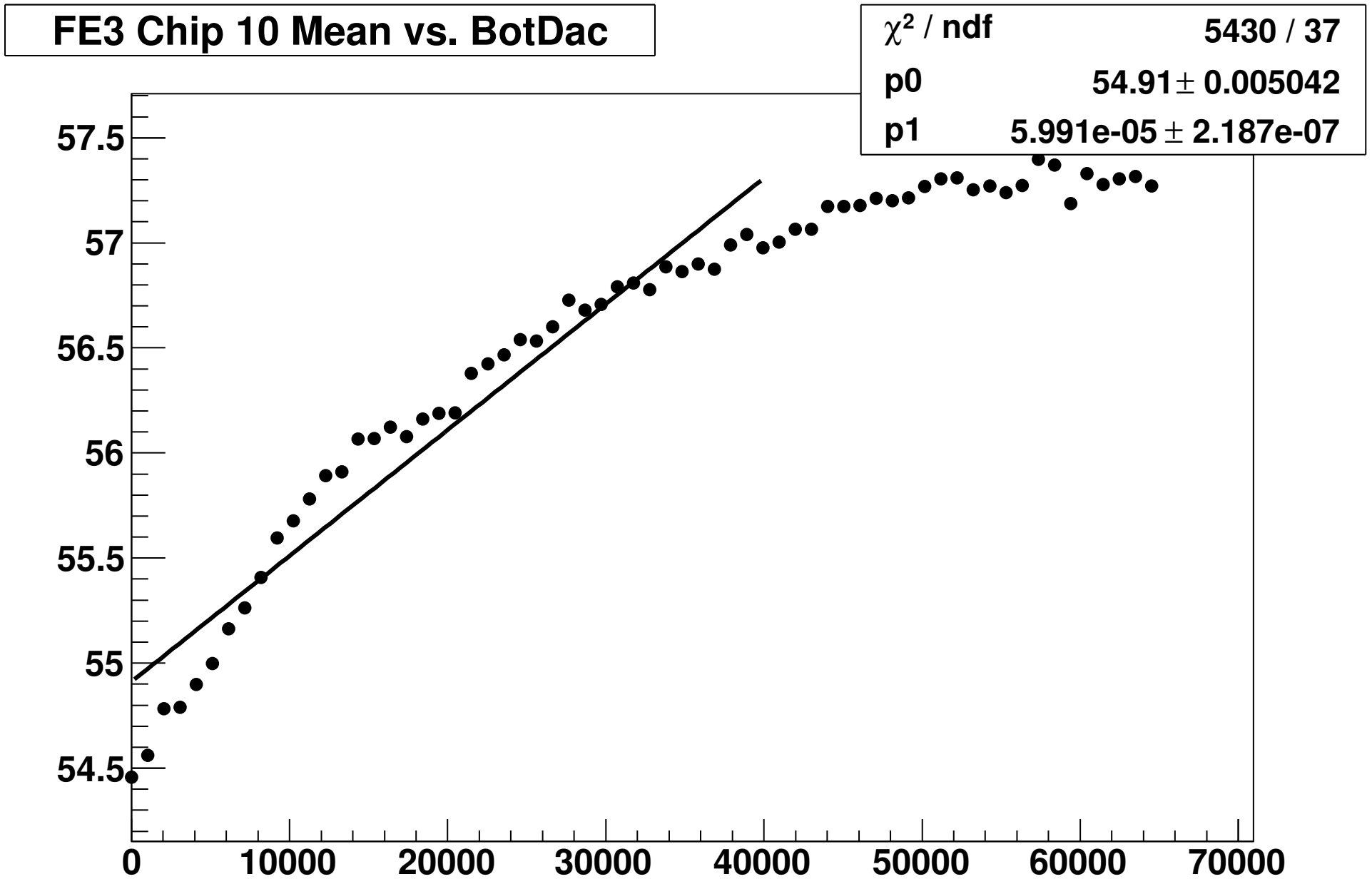

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 806.5 / 37
p0 1.381 ± 0.002824
p1 3.586e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

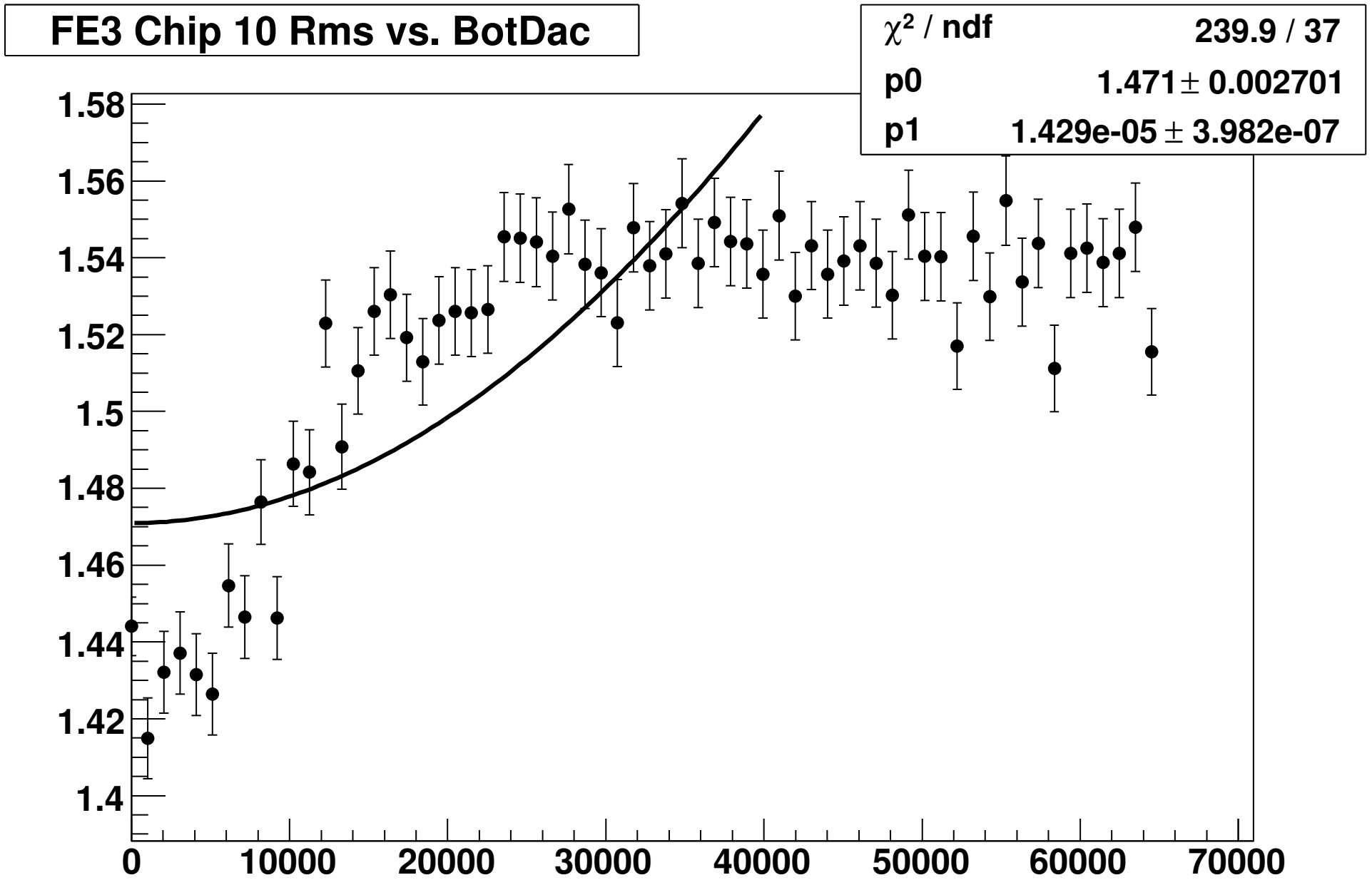

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 5513 / 37
p0 62.35 ± 0.005096
p1 5.63e-05 ± 2.203e-07
65
64.5
64
63.5
63
62.5
62
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 88.58 / 37
p0 1.478 ± 0.002708
p1 1.291e-05 ± 4.402e-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 9 Mean vs. TopDac
χ² / ndf 6.944e+04 / 37
p0 63.46 ± 0.00523
p1 0.4501 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 975.4 / 37
p0 1.398 ± 0.00286
p1 3.634e-05 ± 2.042e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 5430 / 37
p0 54.91 ± 0.005042
p1 5.991e-05 ± 2.187e-07
57.5
57
56.5
56
55.5
55
54.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 239.9 / 37
p0 1.471 ± 0.002701
p1 1.429e-05 ± 3.982e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
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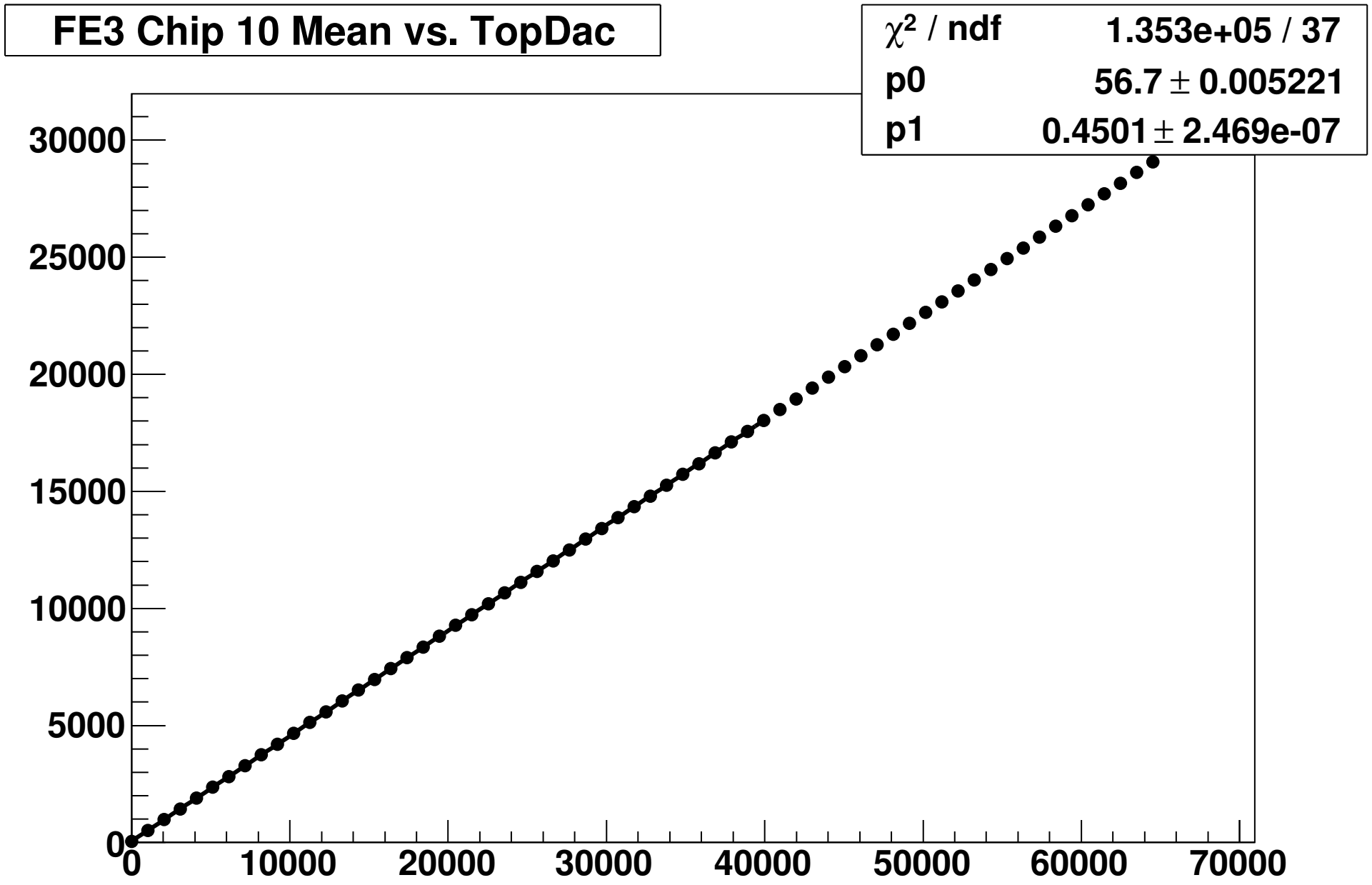
FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.353e+05 / 37
p0 56.7 ± 0.005221
p1 0.4501 ± 2.469e-07
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5000
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0
10000
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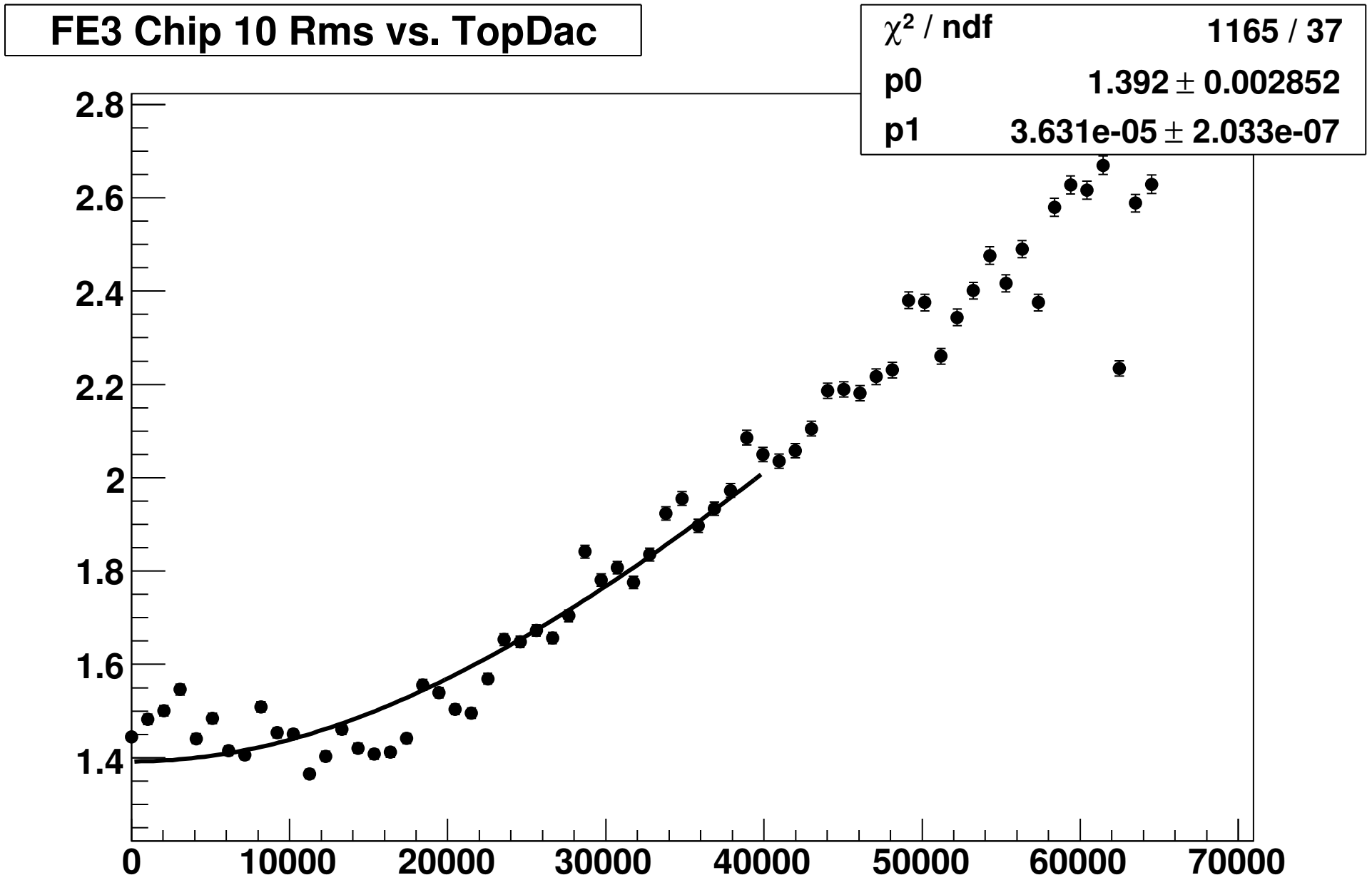
FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1165 / 37
p0 1.392 ± 0.002852
p1 3.631e-05 ± 2.033e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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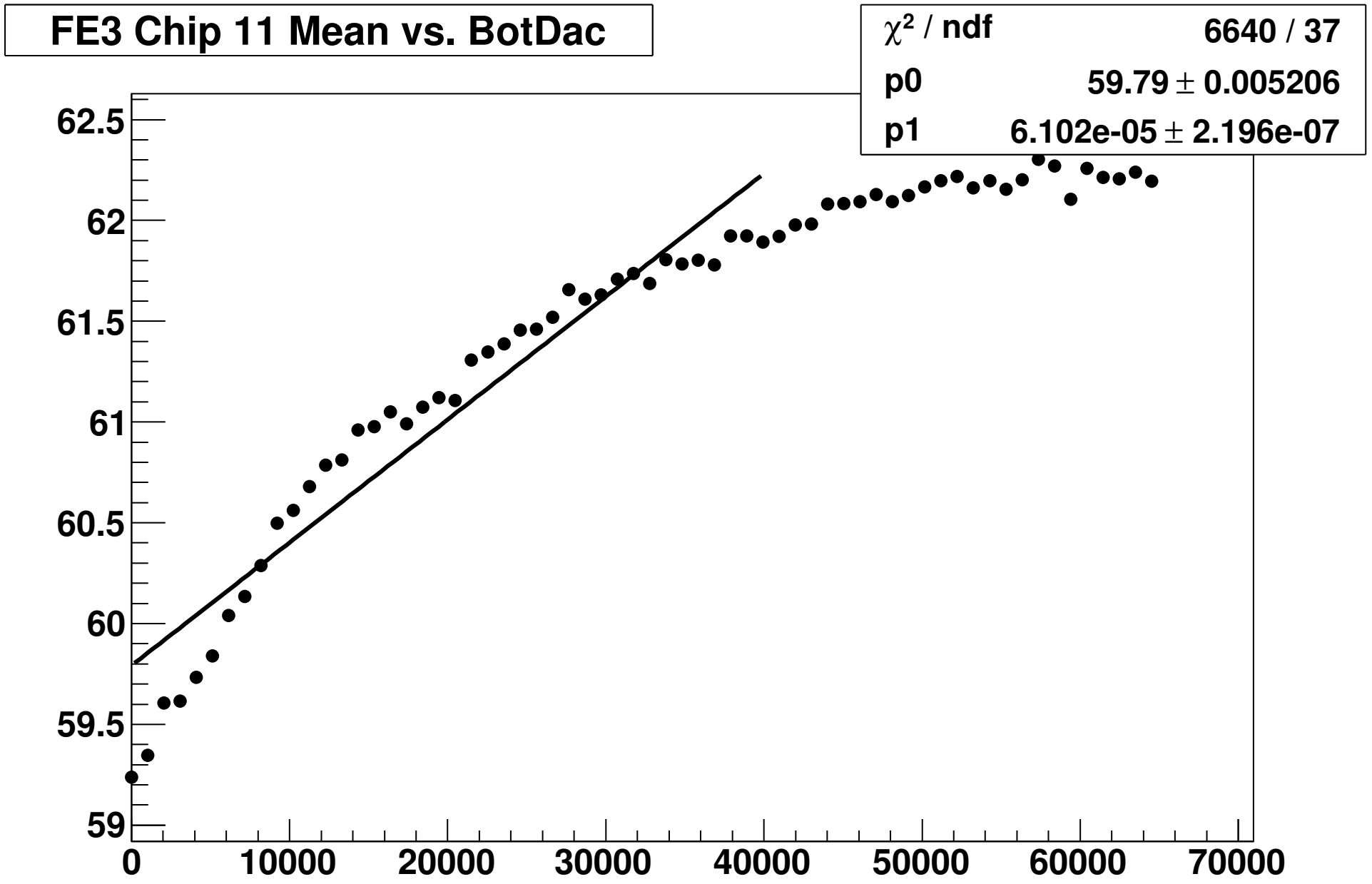
FE3 Chip 11 Mean vs. BotDac
χ² / ndf 6640 / 37
p0 59.79 ± 0.005206
p1 6.102e-05 ± 2.196e-07
62.5
62
61.5
61
60.5
60
59.5
59
0
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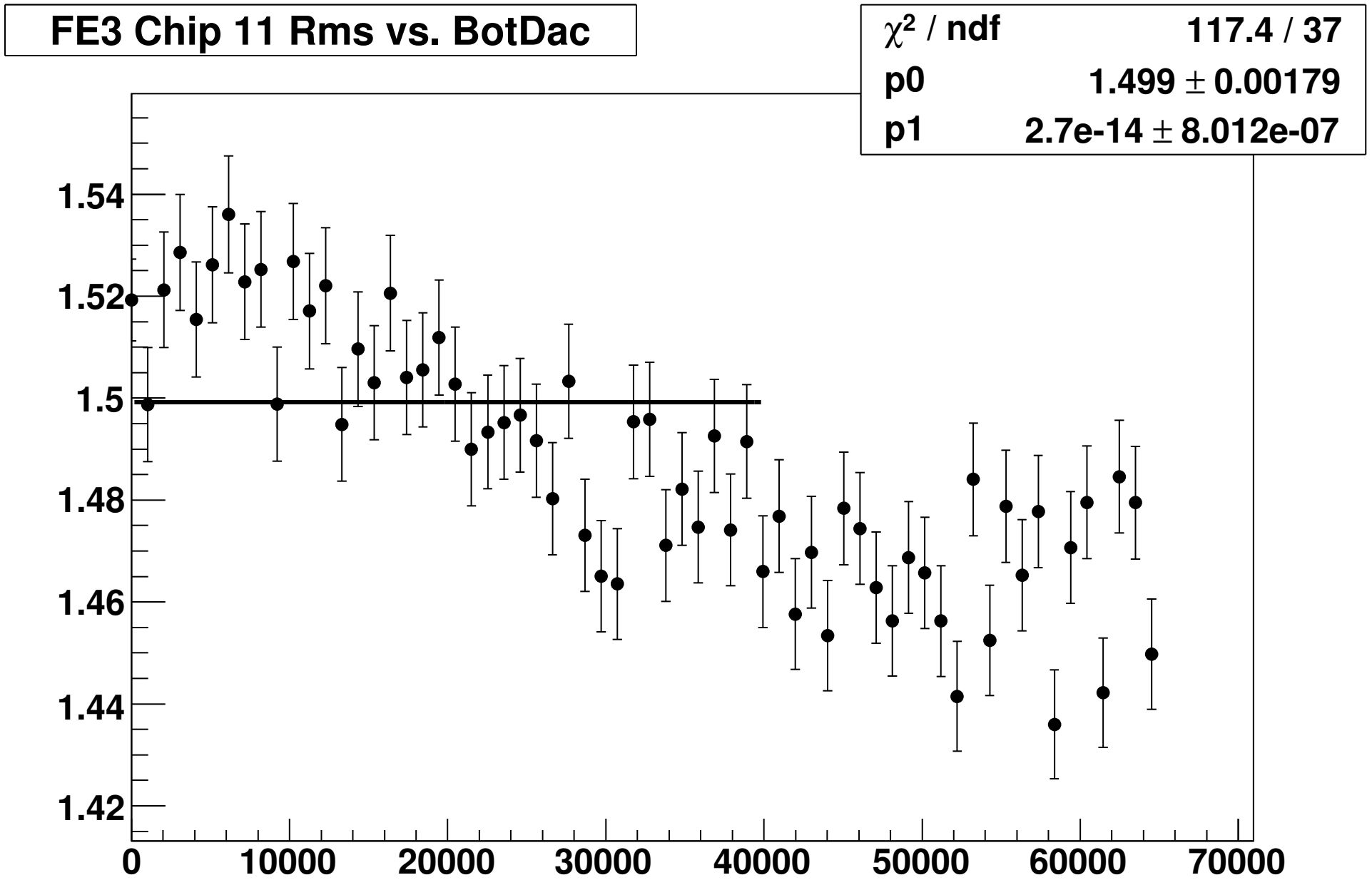
FE3 Chip 11 Rms vs. BotDac
χ² / ndf 117.4 / 37
p0 1.499 ± 0.00179
p1 2.7e-14 ± 8.012e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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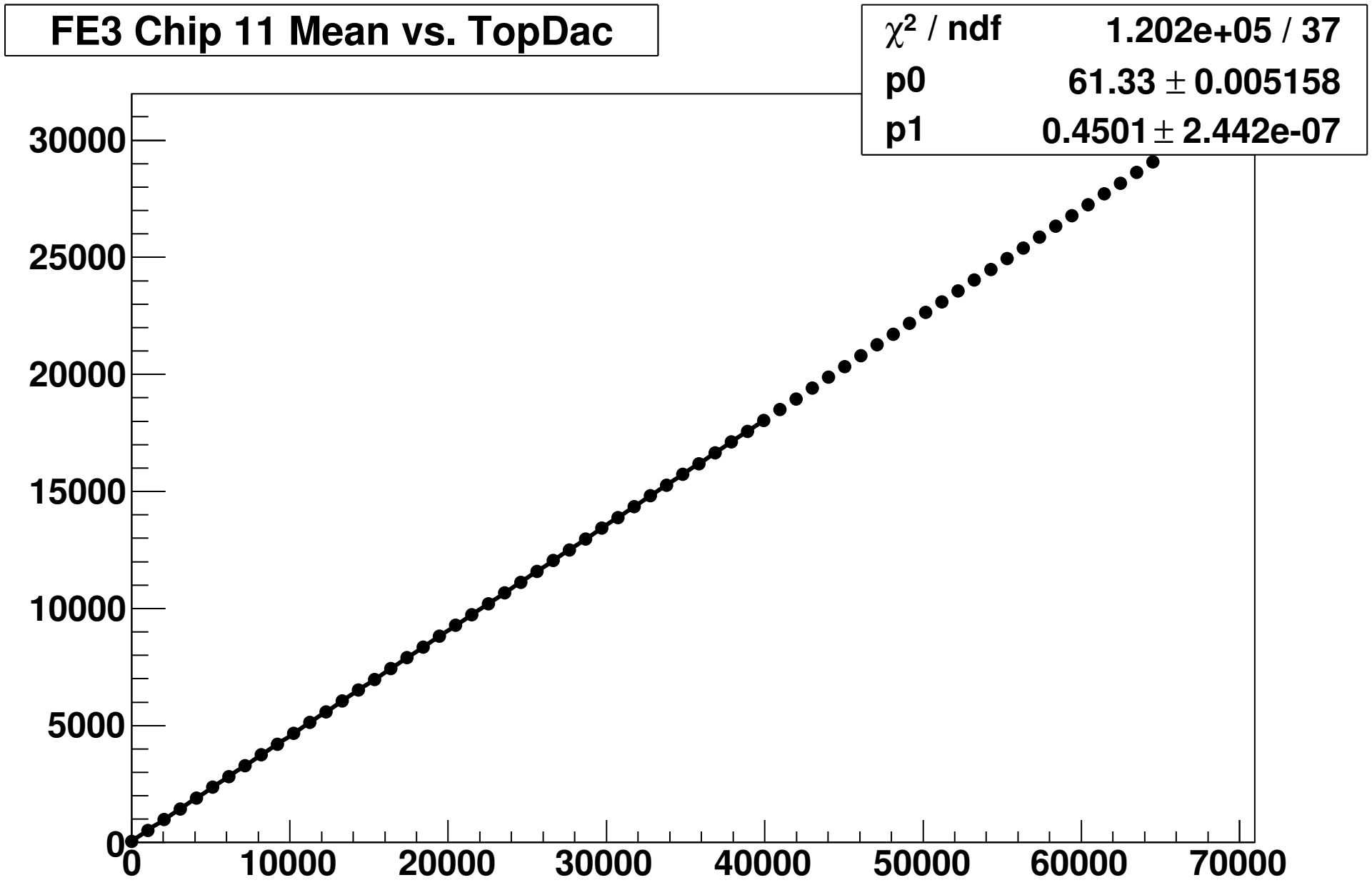
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.202e+05 / 37
p0 61.33 ± 0.005158
p1 0.4501 ± 2.442e-07
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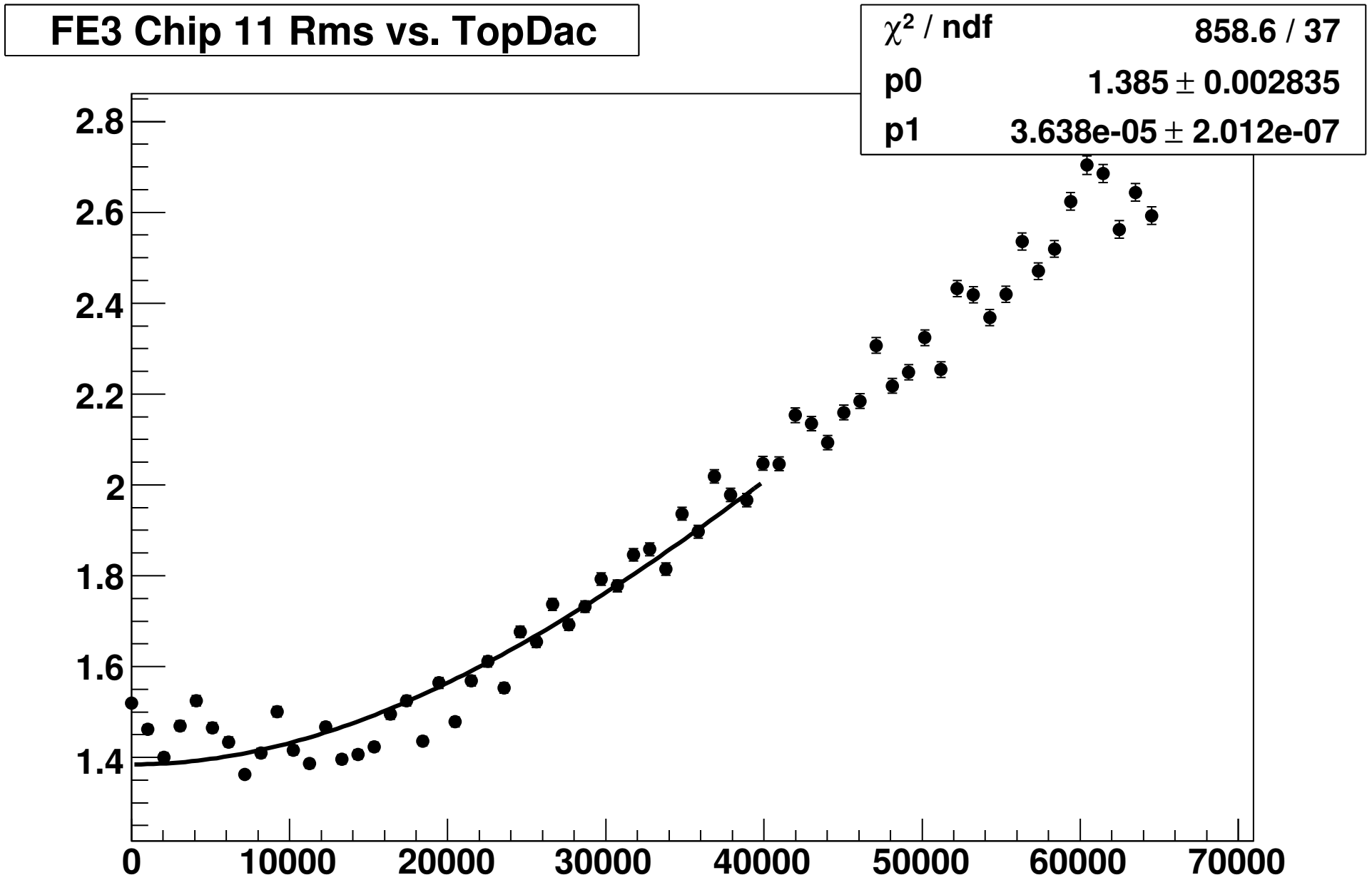
FE3 Chip 11 Rms vs. TopDac
χ² / ndf 858.6 / 37
p0 1.385 ± 0.002835
p1 3.638e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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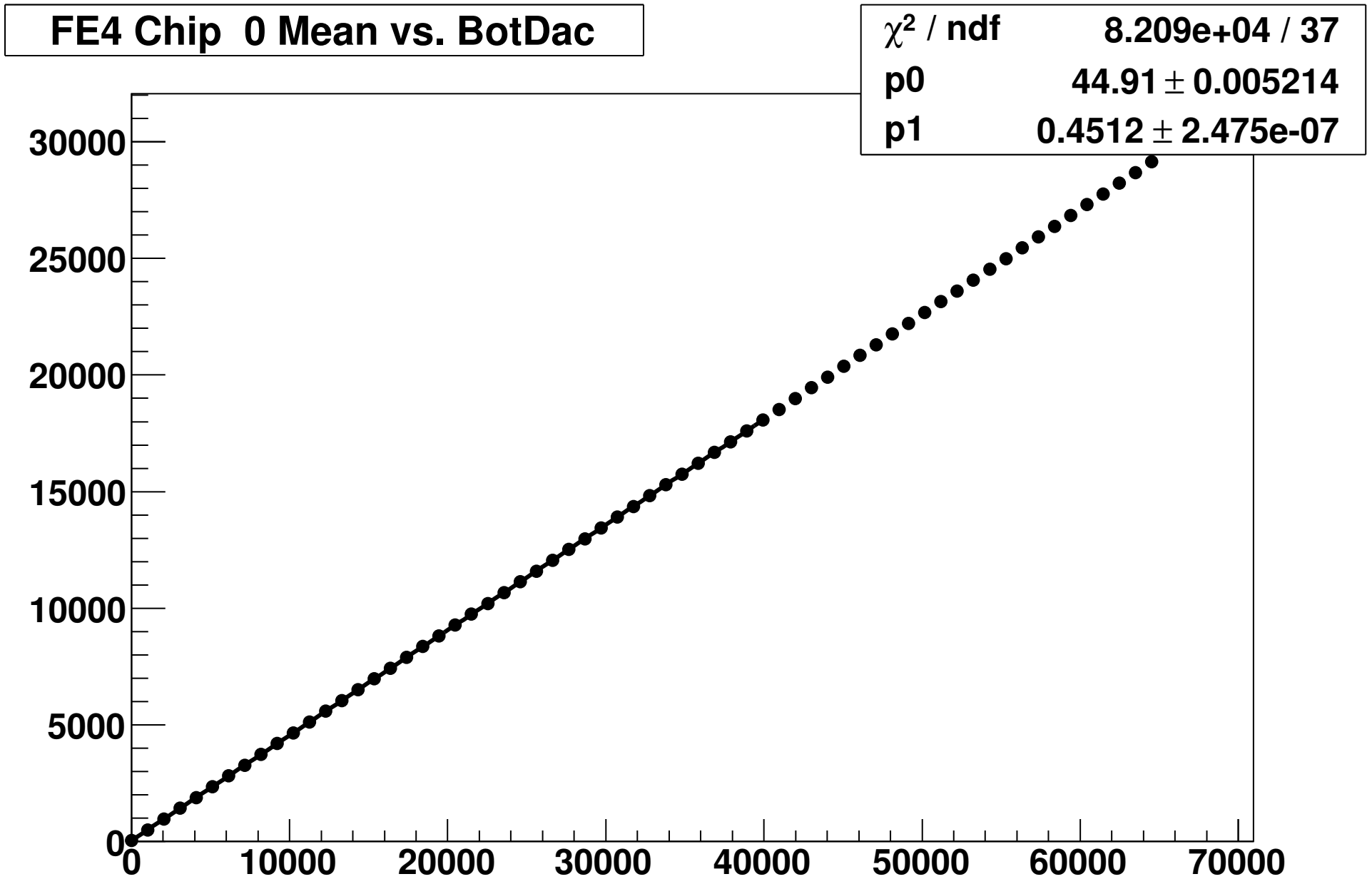
FE4 Chip 0 Mean vs. BotDac
χ² / ndf 8.209e+04 / 37
p0 44.91 ± 0.005214
p1 0.4512 ± 2.475e-07
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5000
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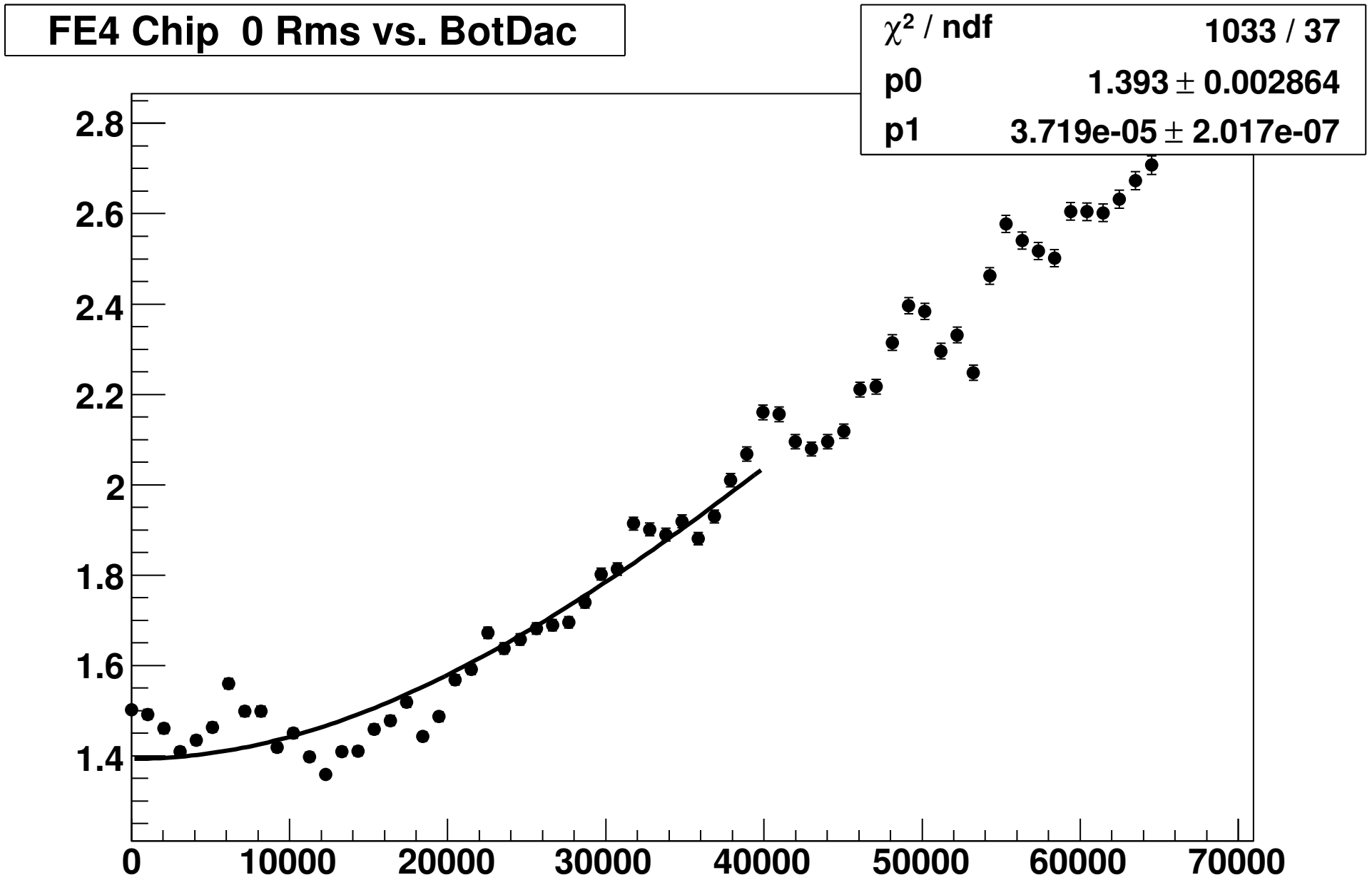
FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1033 / 37
p0 1.393 ± 0.002864
p1 3.719e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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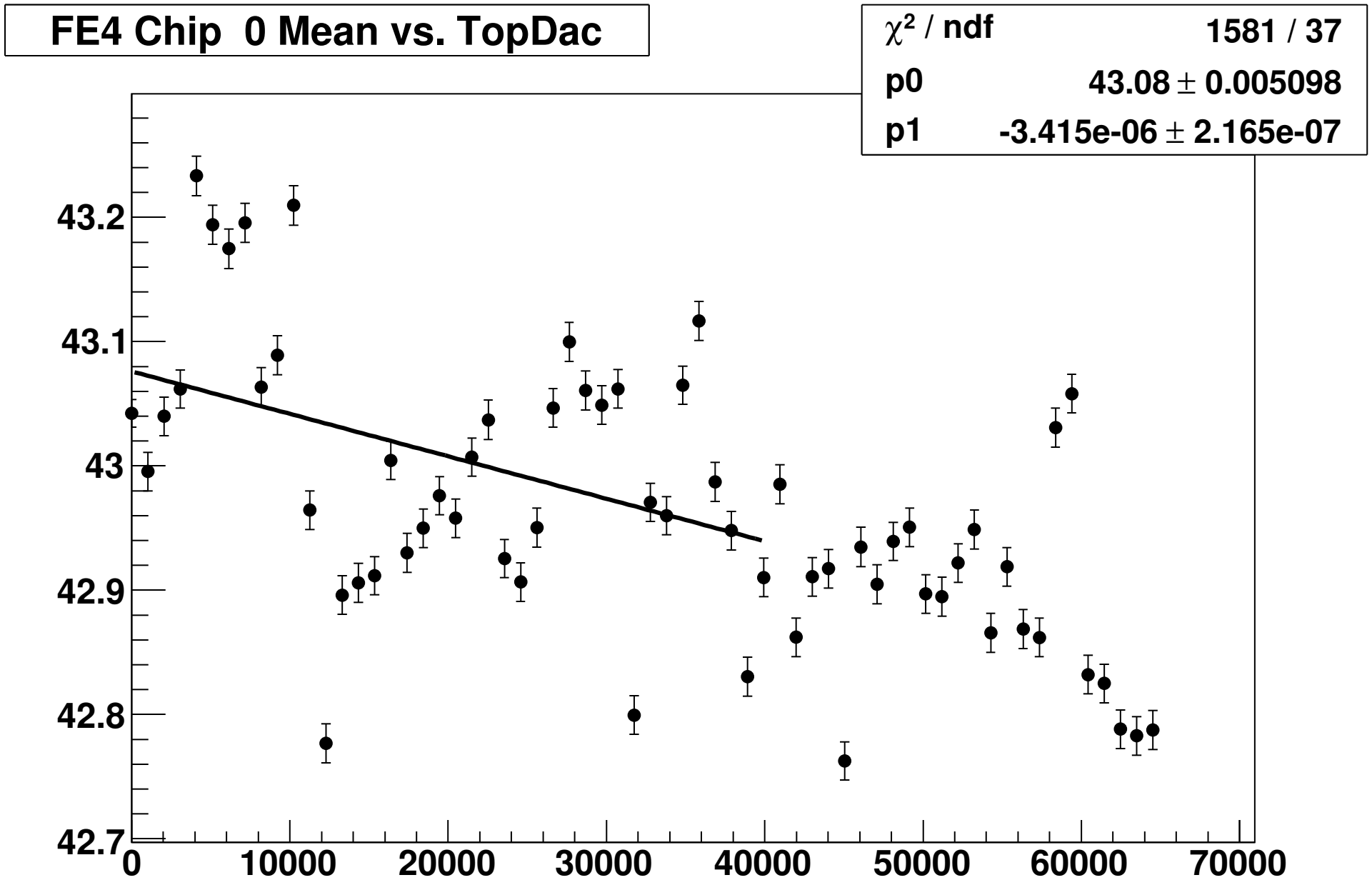
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 1581 / 37
p0 43.08 ± 0.005098
p1 -3.415e-06 ± 2.165e-07
43.2
43.1
43
42.9
42.8
42.7
0
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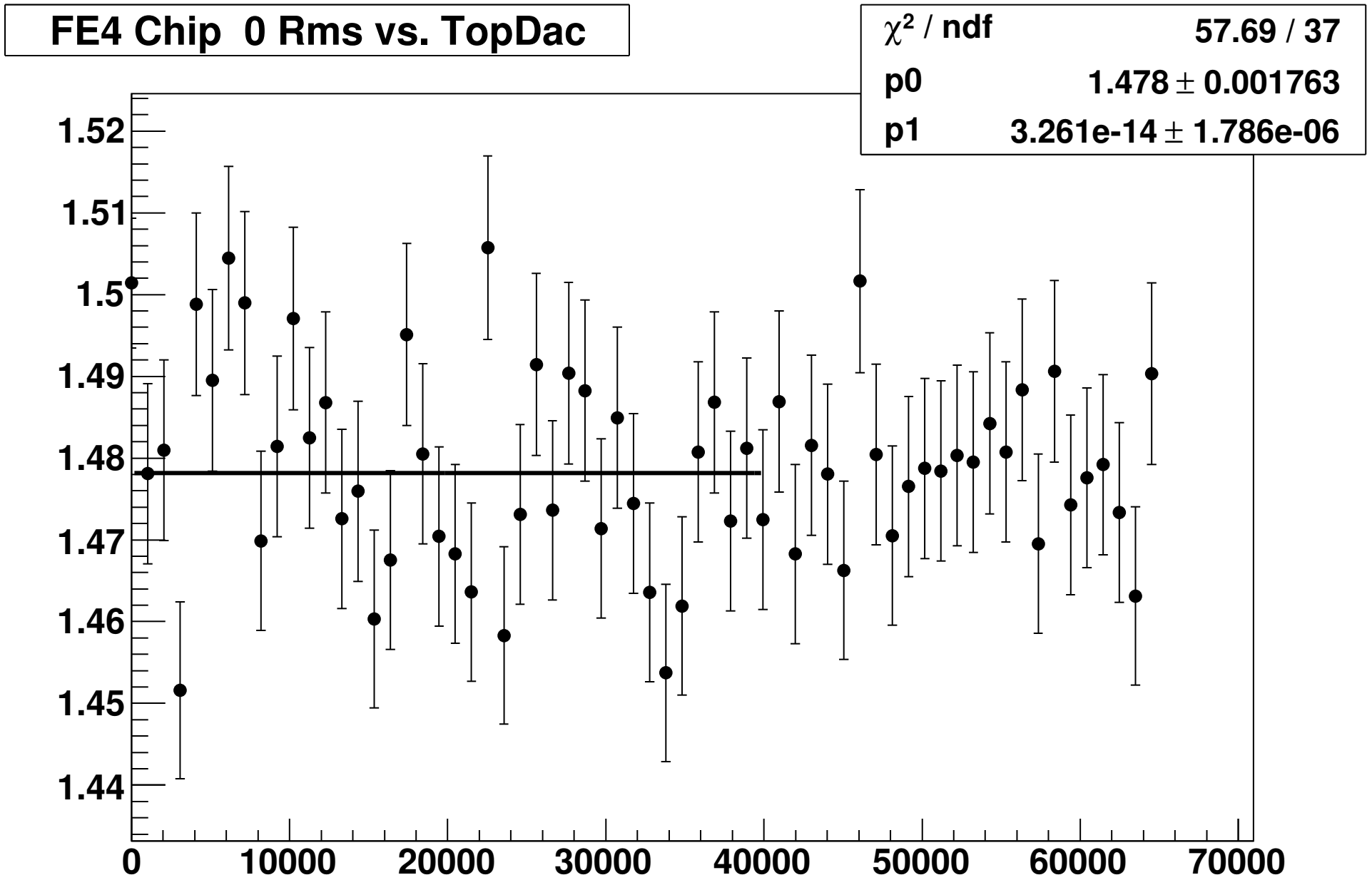
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 57.69 / 37
p0 1.478 ± 0.001763
p1 3.261e-14 ± 1.786e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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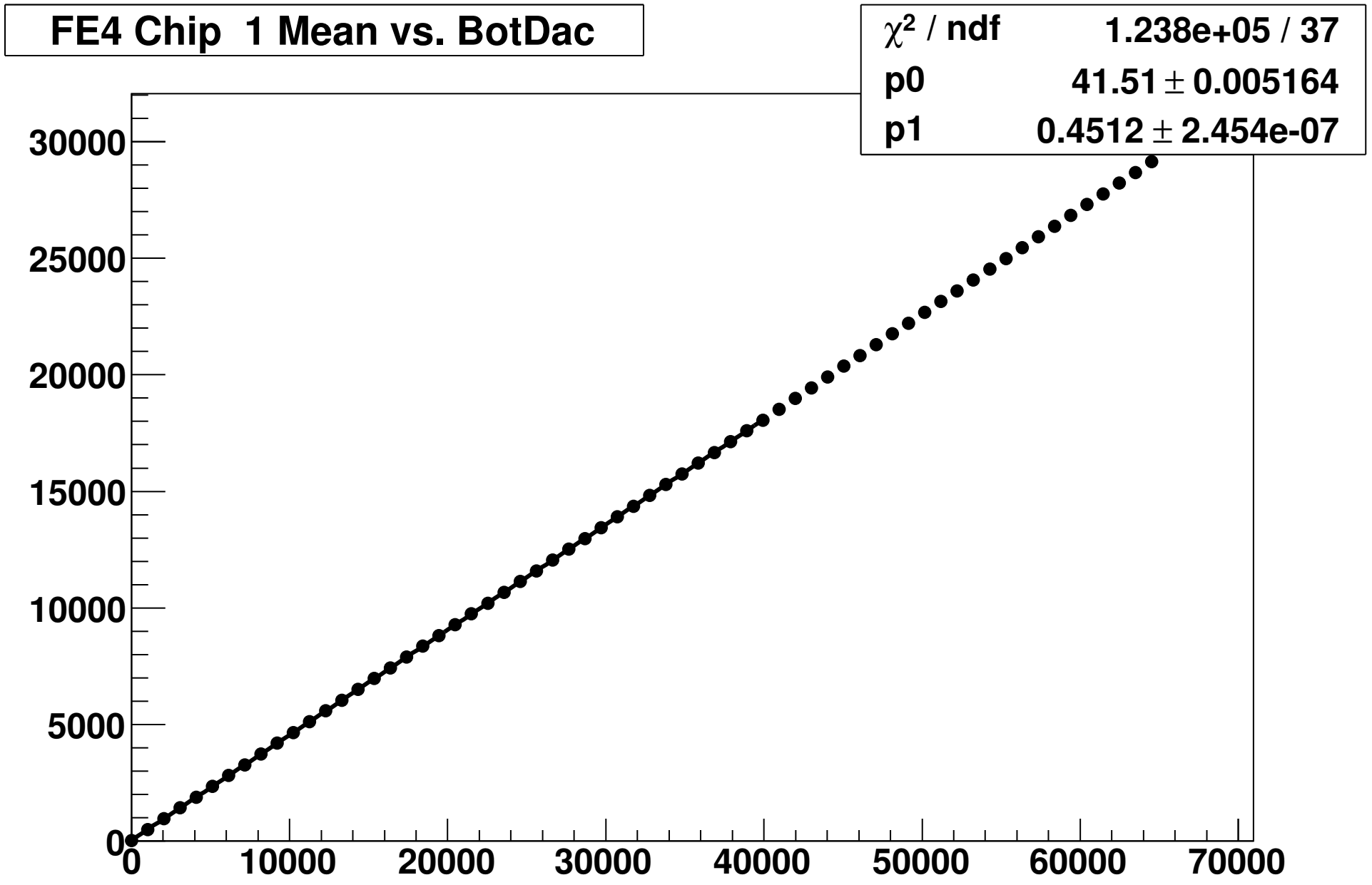
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.238e+05 / 37
p0 41.51 ± 0.005164
p1 0.4512 ± 2.454e-07
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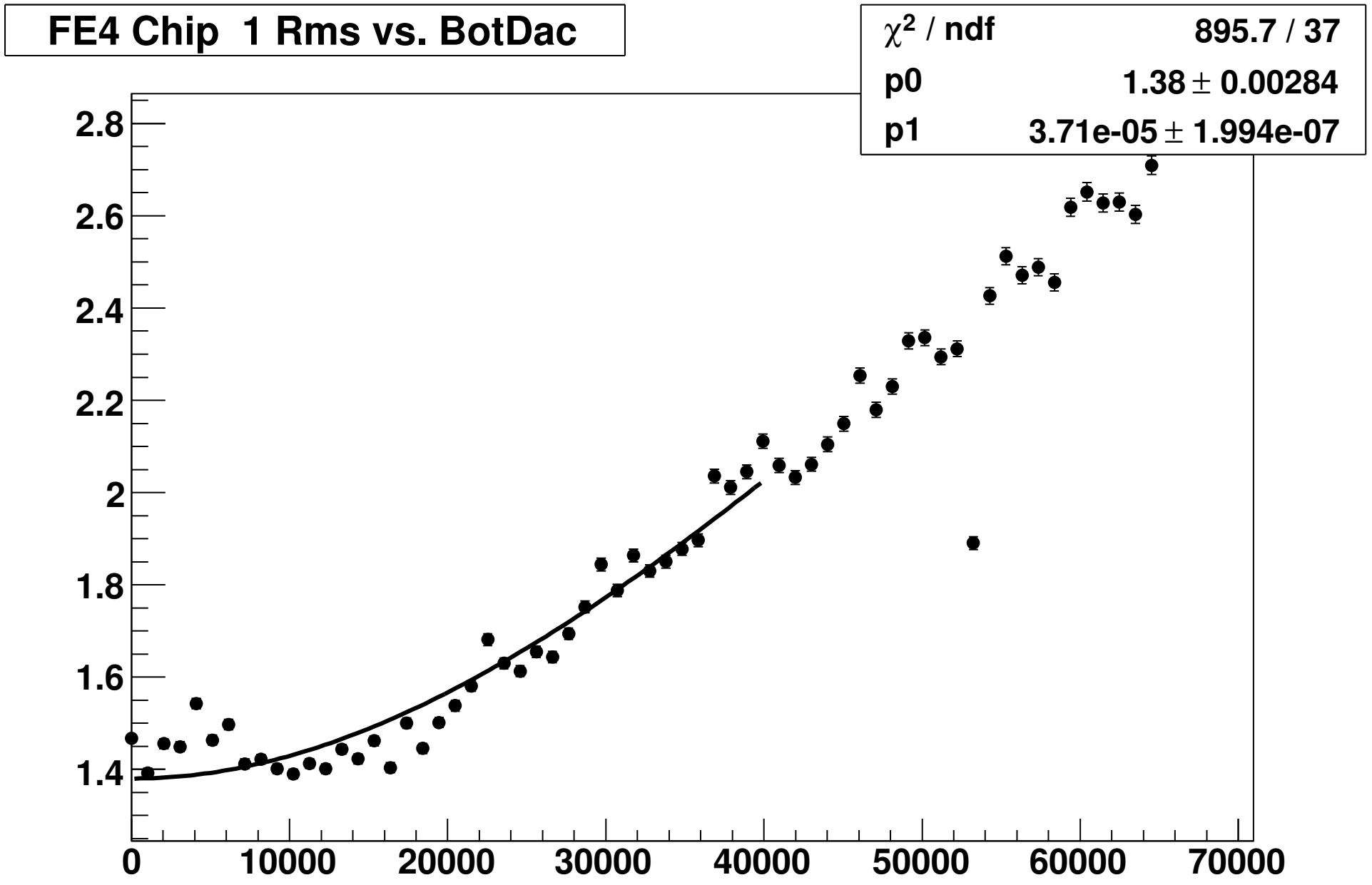
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 895.7 / 37
p0 1.38 ± 0.00284
p1 3.71e-05 ± 1.994e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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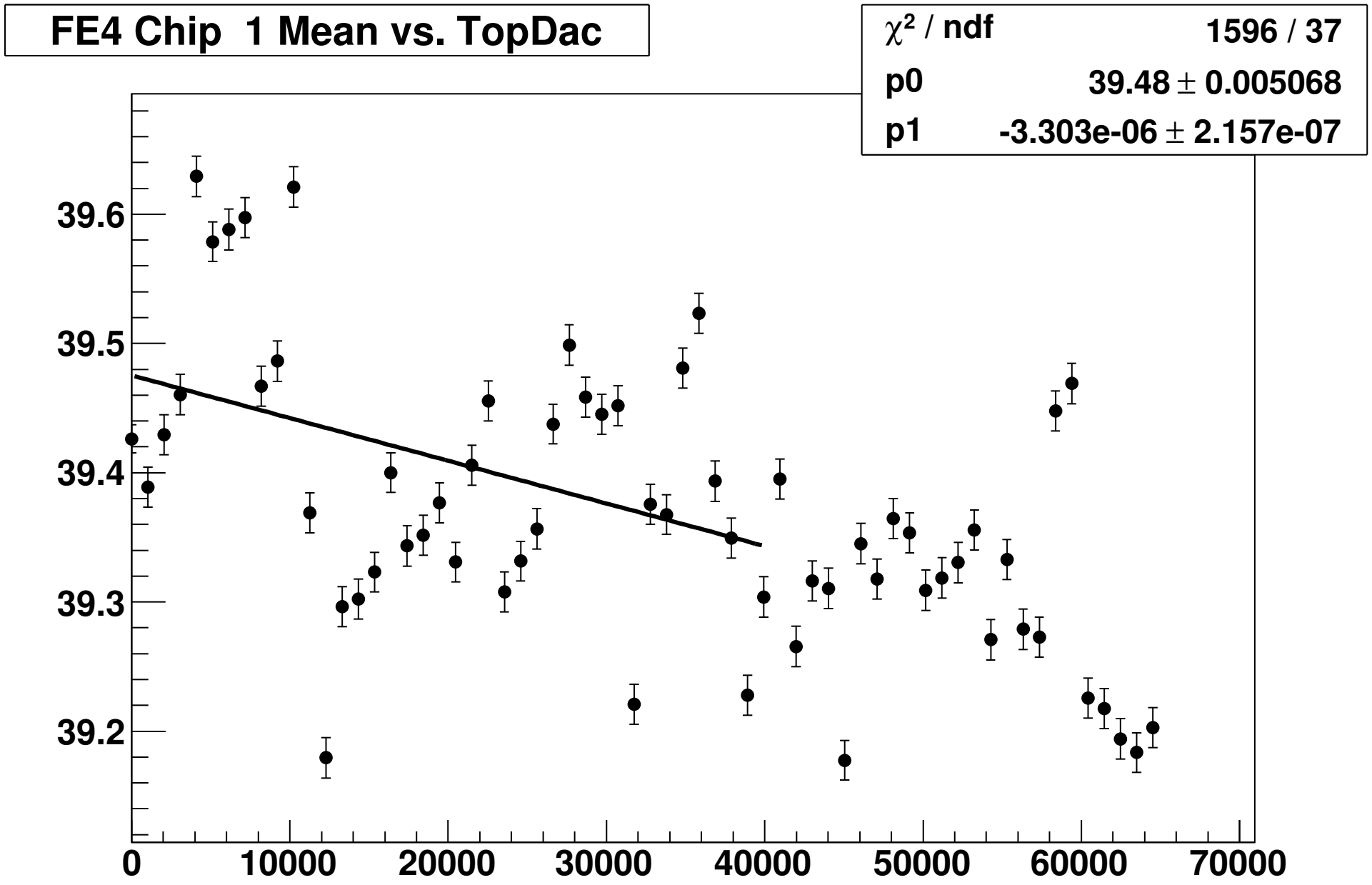
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 1596 / 37
p0 39.48 ± 0.005068
p1 -3.303e-06 ± 2.157e-07
39.6
39.5
39.4
39.3
39.2
0
10000
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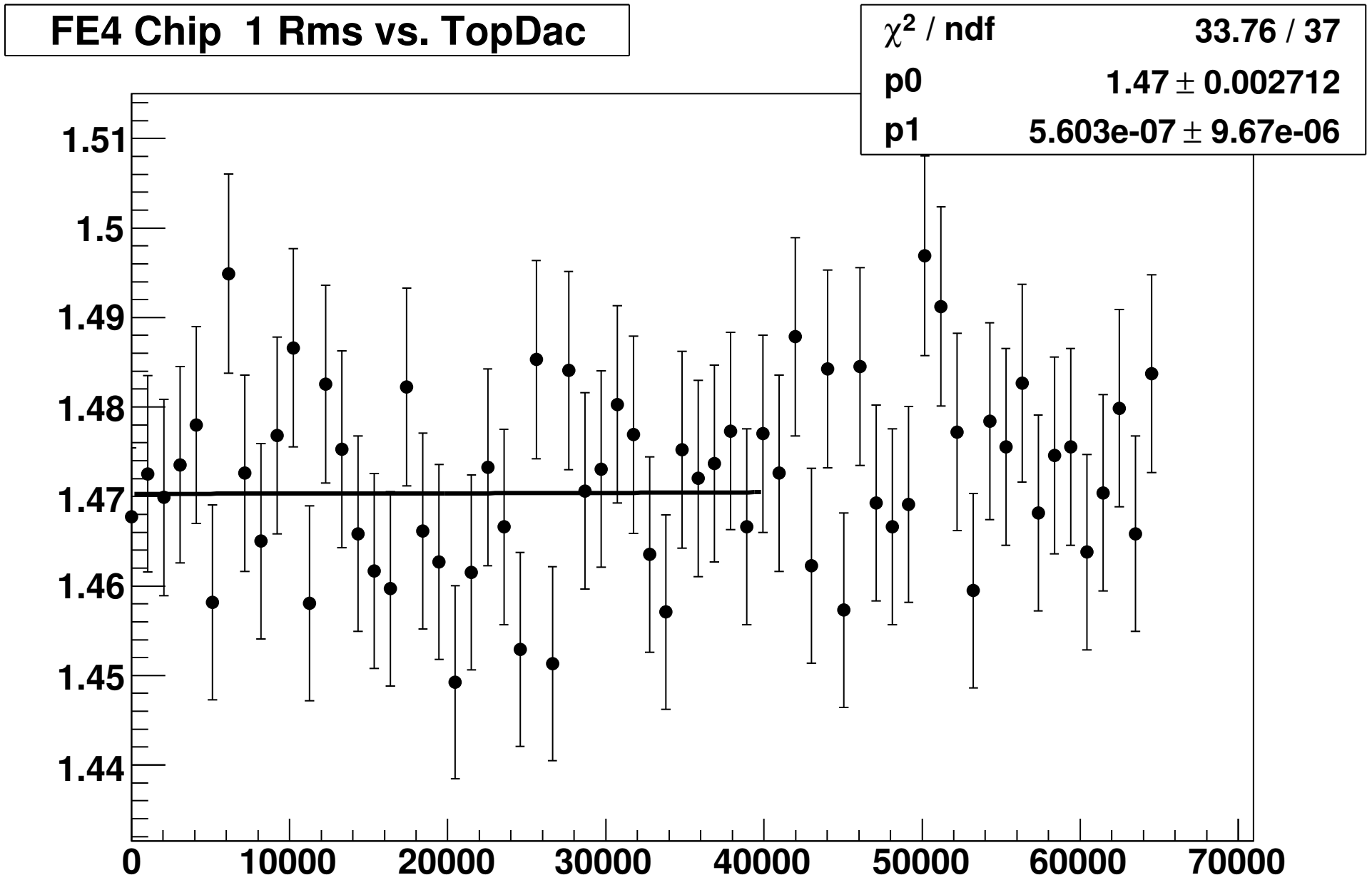
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 33.76 / 37
p0 1.47 ± 0.002712
p1 5.603e-07 ± 9.67e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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30000
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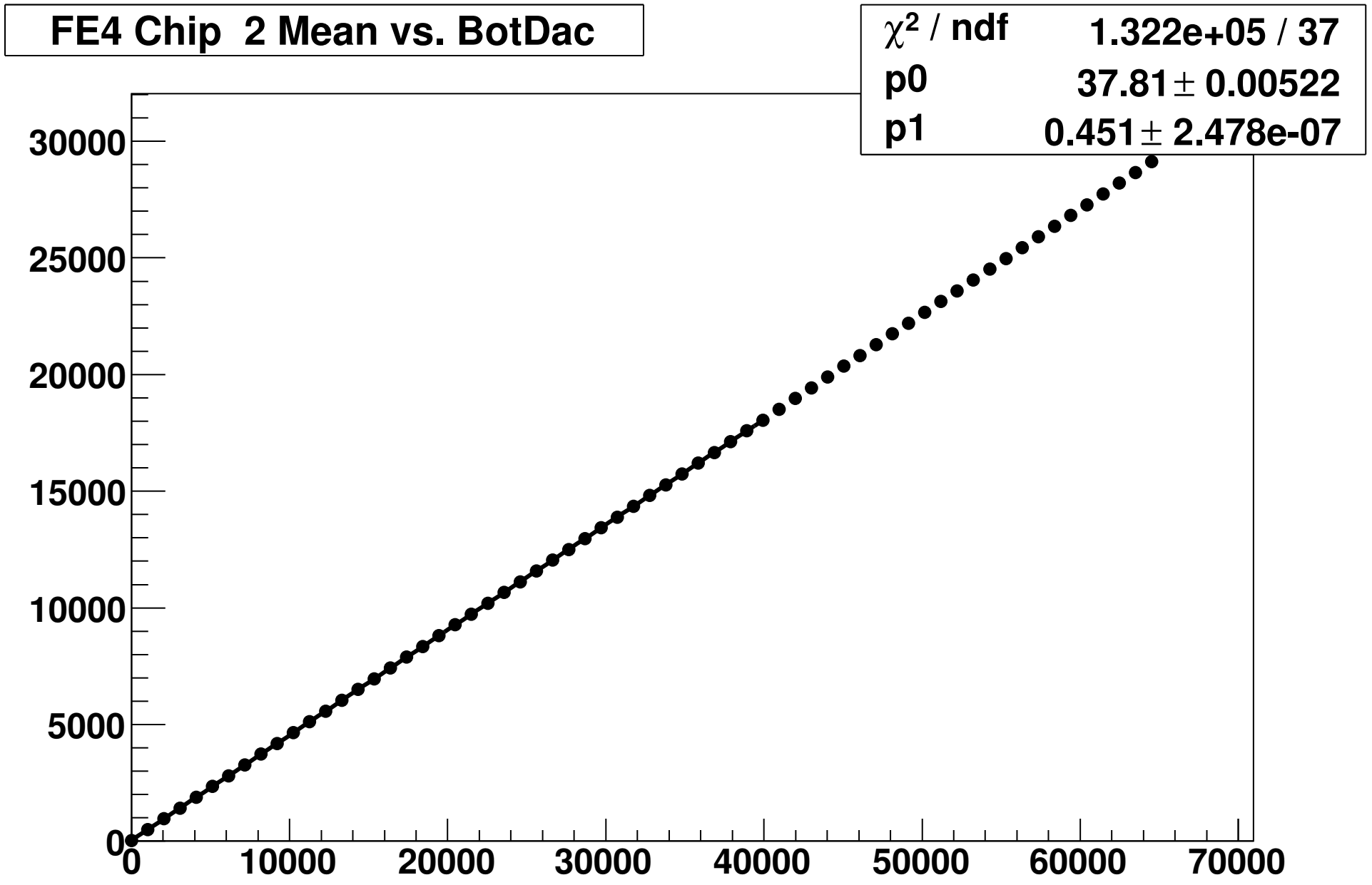
50000
60000
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 1.322e+05 / 37
p0 37.81 ± 0.00522
p1 0.451 ± 2.478e-07
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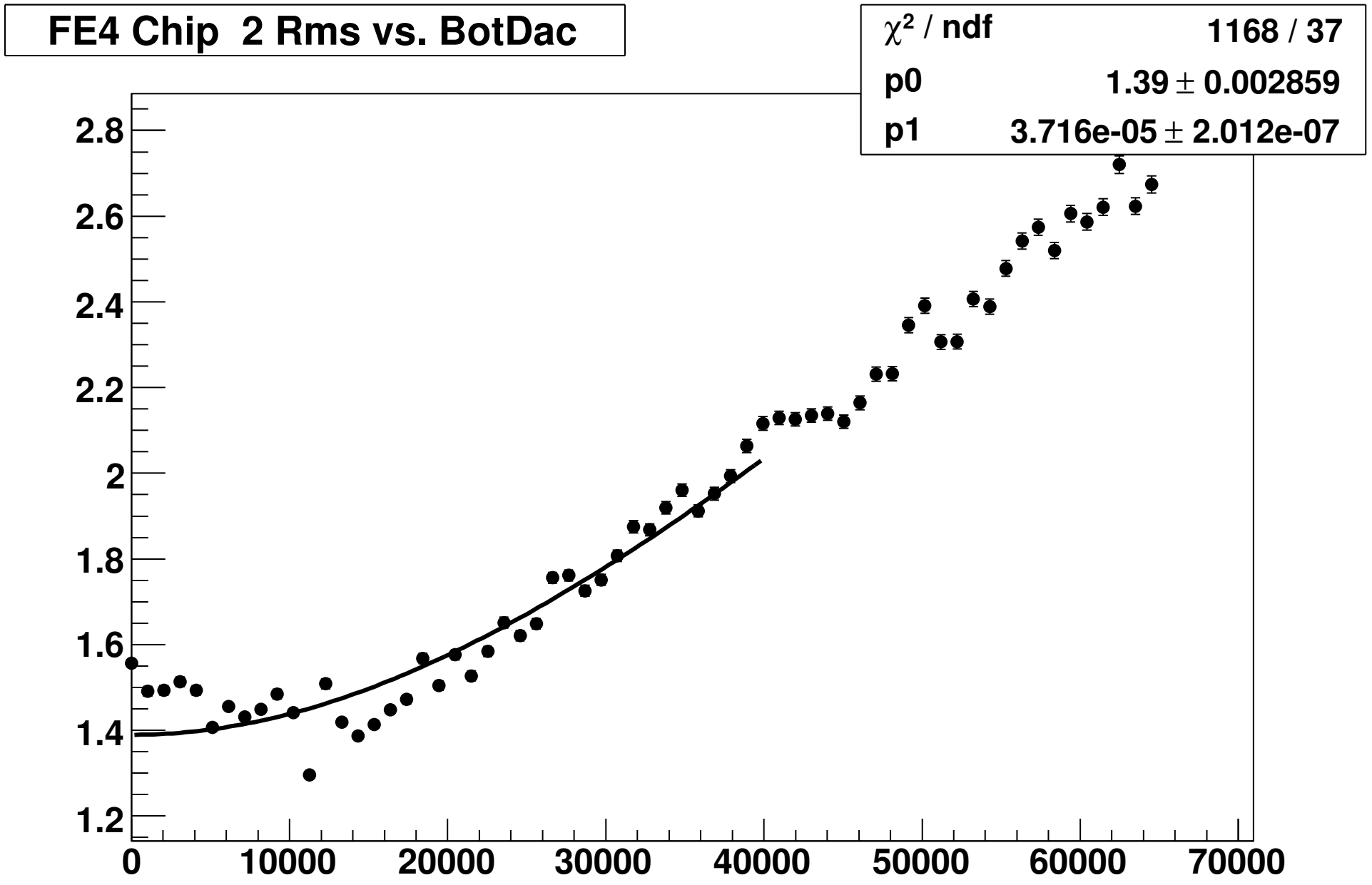
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1168 / 37
p0 1.39 ± 0.002859
p1 3.716e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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20000
30000
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50000
60000
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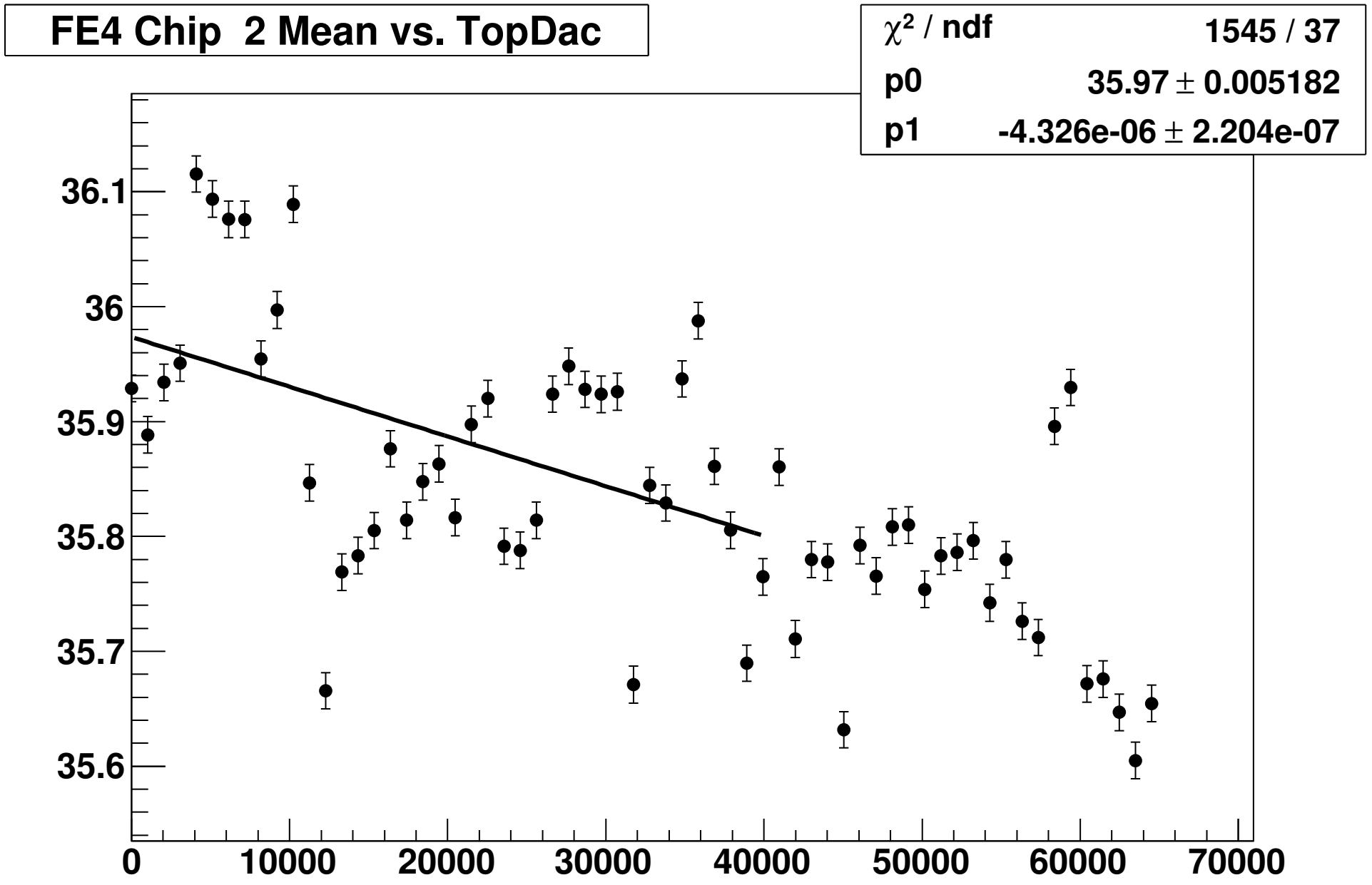
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 1545 / 37
p0 35.97 ± 0.005182
p1 -4.326e-06 ± 2.204e-07
36.1
36
35.9
35.8
35.7
35.6
0
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50000
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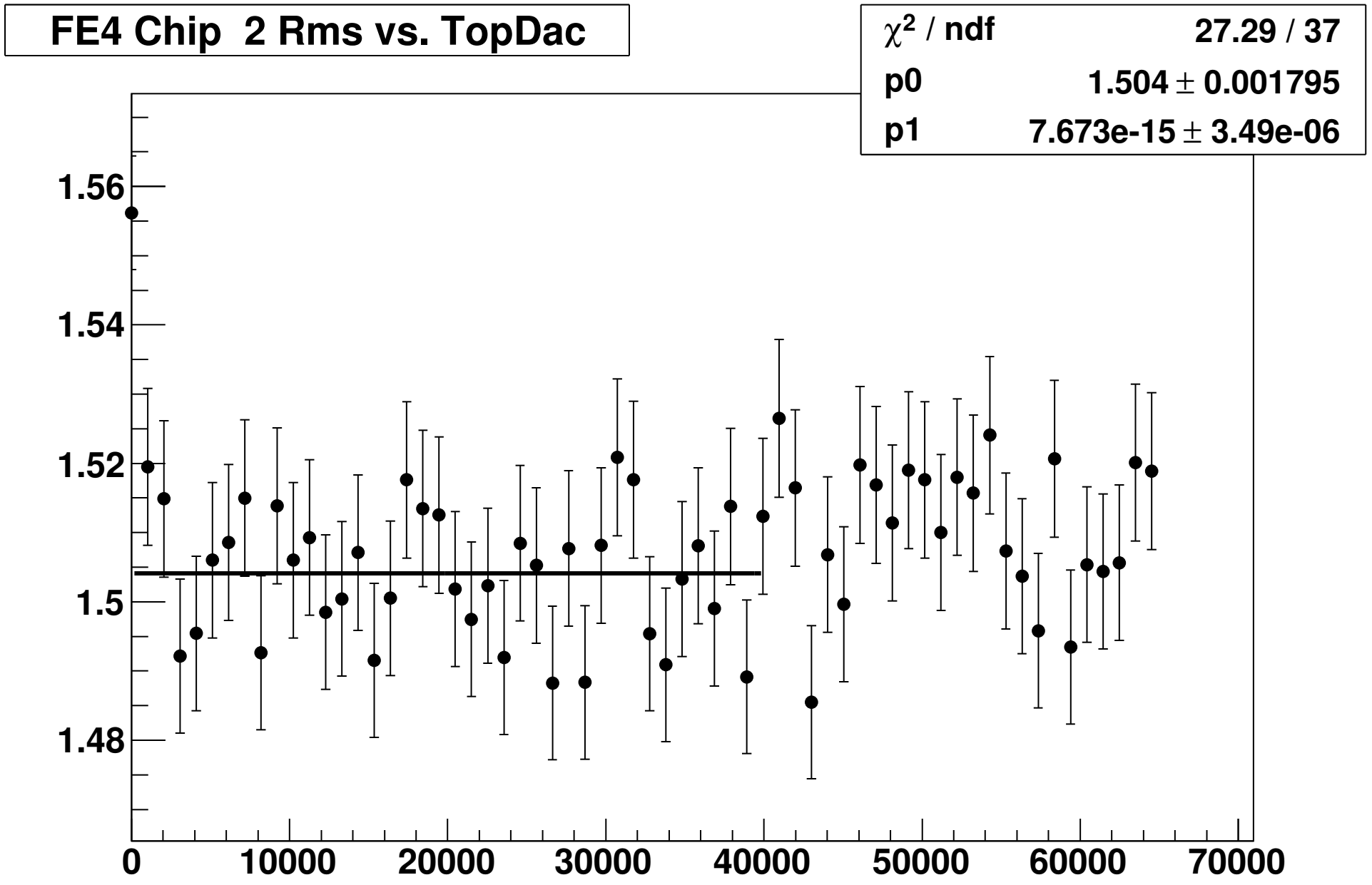
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 27.29 / 37
p0 1.504 ± 0.001795
p1 7.673e-15 ± 3.49e-06
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1.54
1.52
1.5
1.48
0
10000
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30000
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50000
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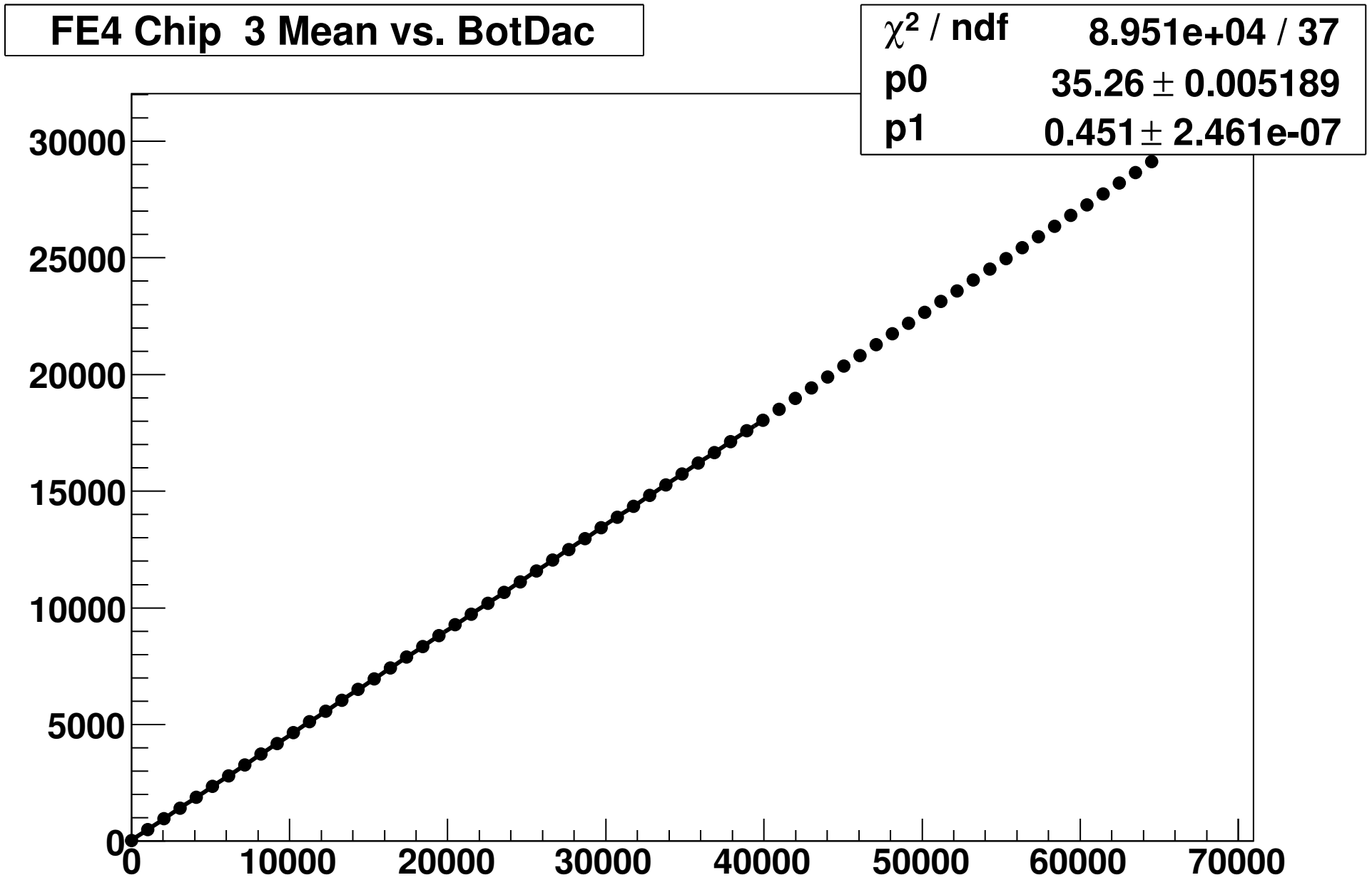
70000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 8.951e+04 / 37
p0 35.26 ± 0.005189
p1 0.451 ± 2.461e-07
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20000
15000
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5000
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10000
20000
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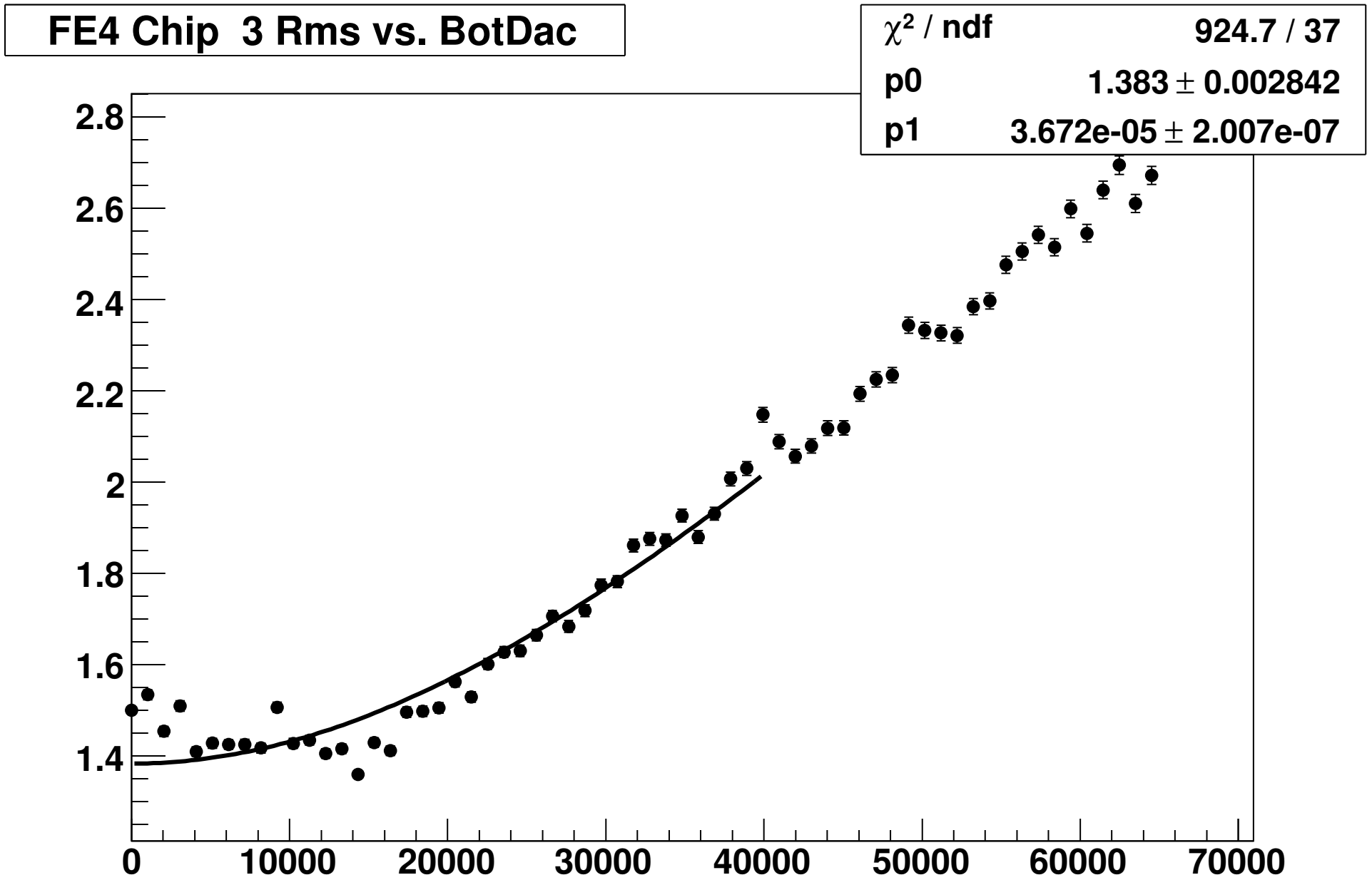
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 924.7 / 37
p0 1.383 ± 0.002842
p1 3.672e-05 ± 2.007e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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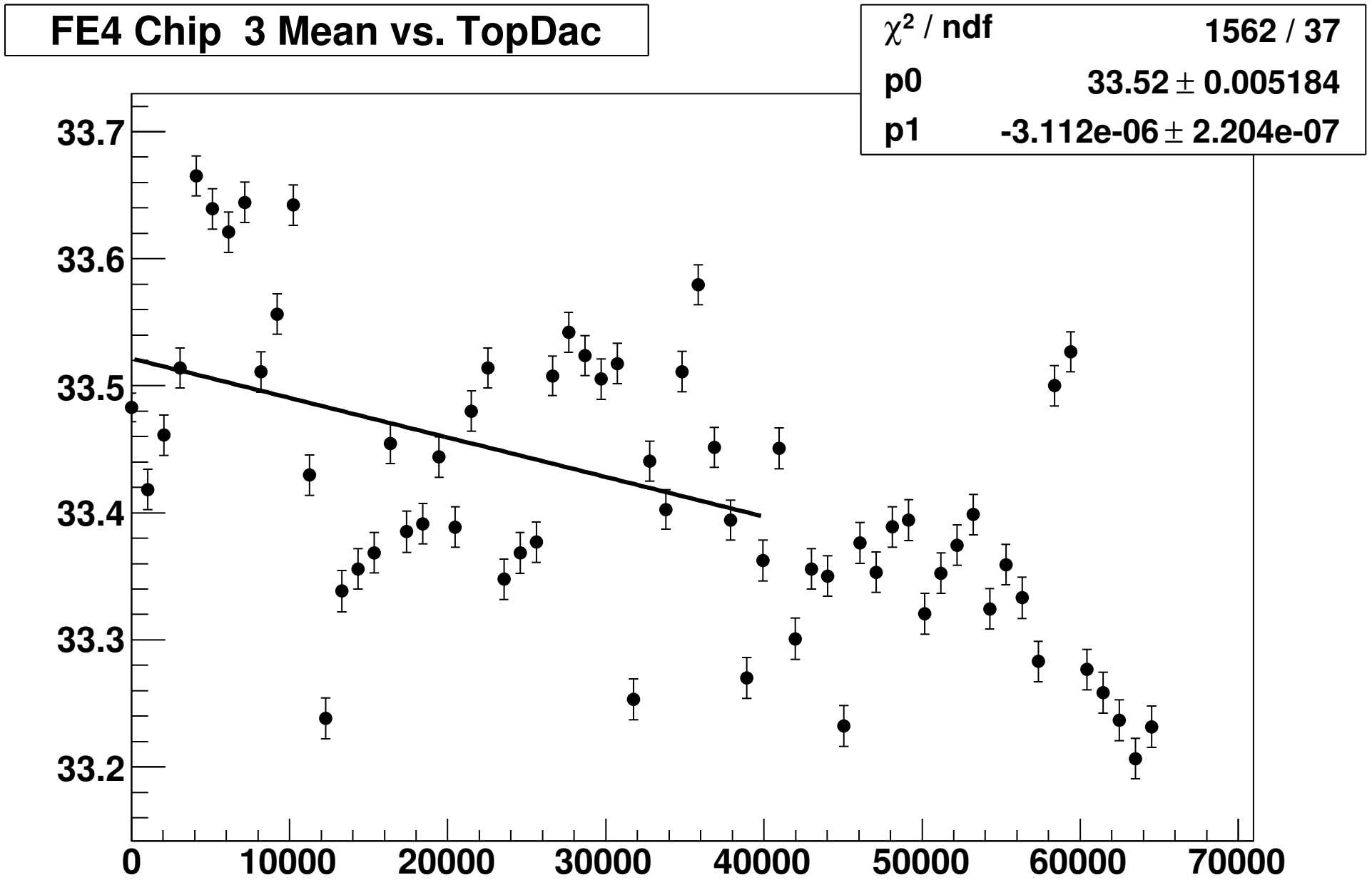
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 1562 / 37
p0 33.52 ± 0.005184
p1 -3.112e-06 ± 2.204e-07
33.7
33.6
33.5
33.4
33.3
33.2
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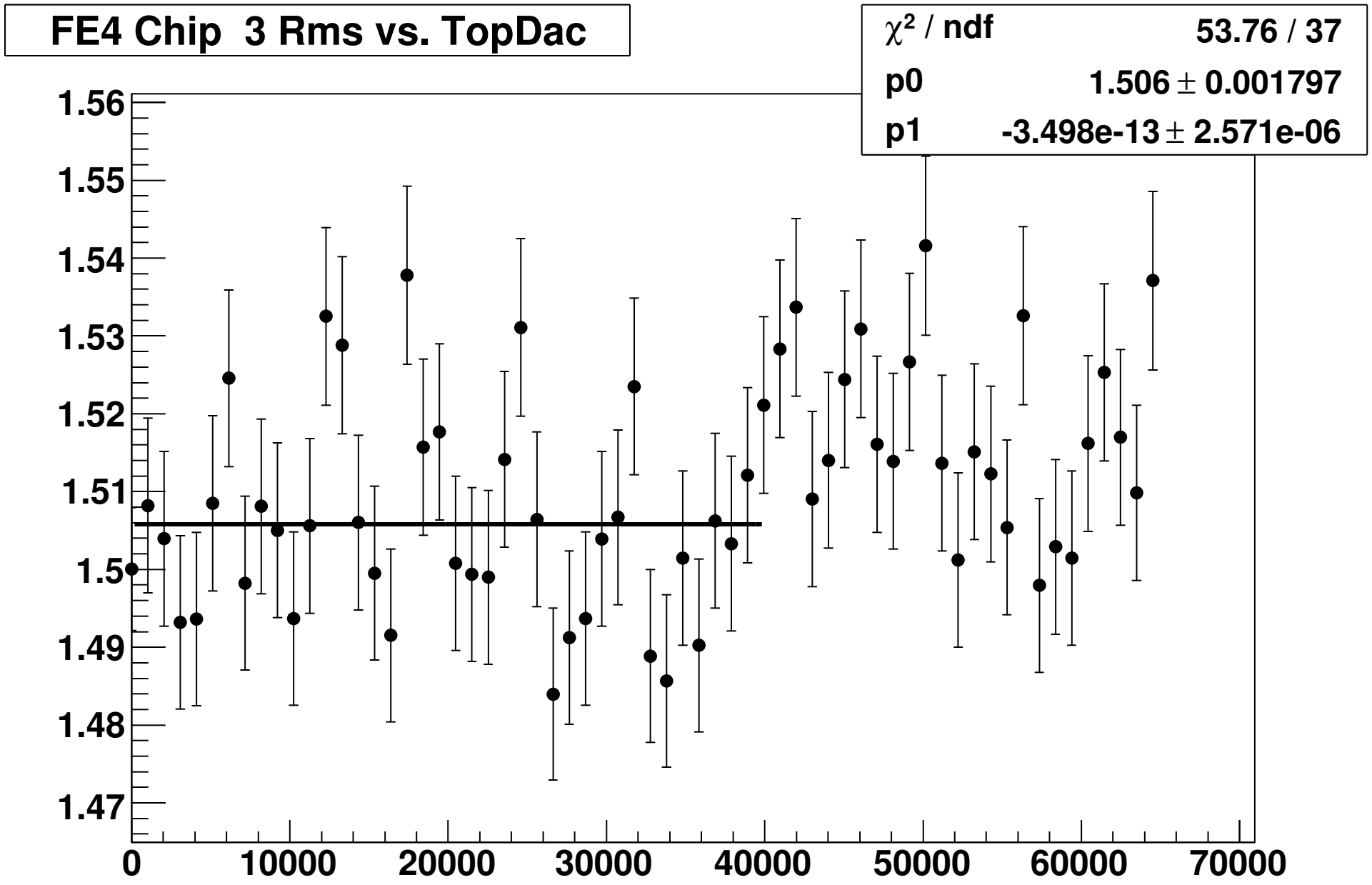
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 53.76 / 37
p0 1.506 ± 0.001797
p1 -3.498e-13 ± 2.571e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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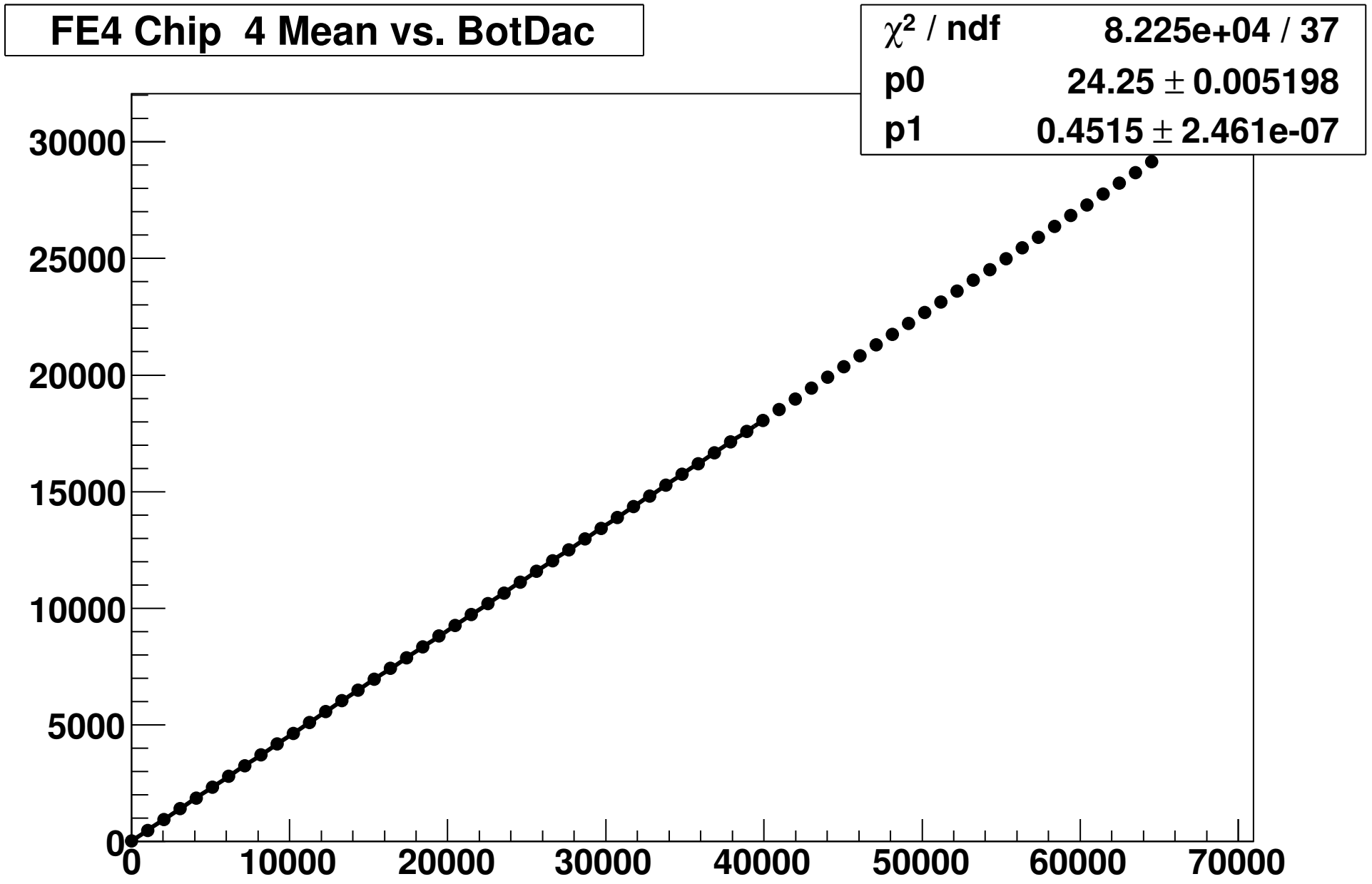
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 8.225e+04 / 37
p0 24.25 ± 0.005198
p1 0.4515 ± 2.461e-07
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25000
20000
15000
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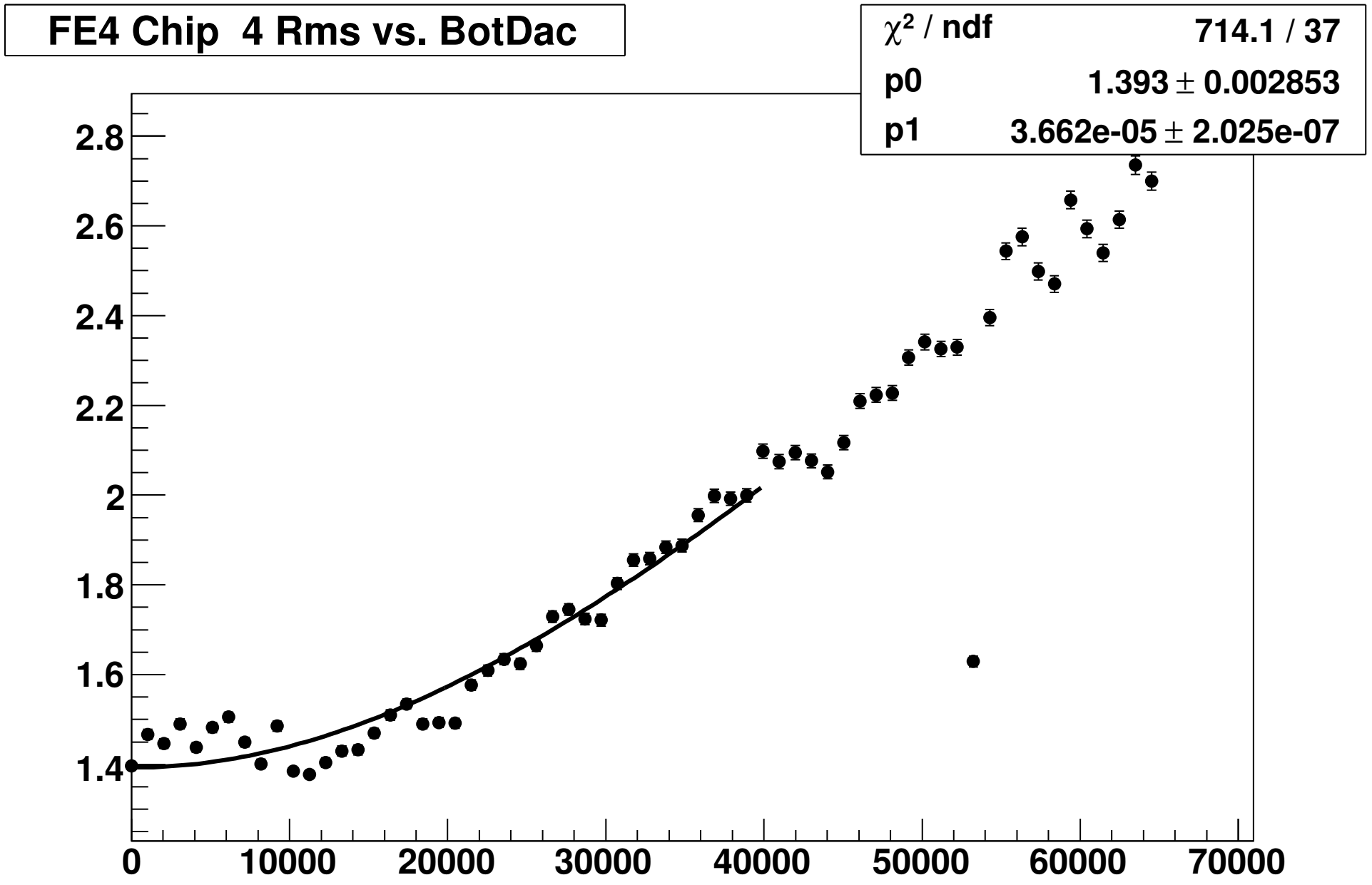
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 714.1 / 37
p0 1.393 ± 0.002853
p1 3.662e-05 ± 2.025e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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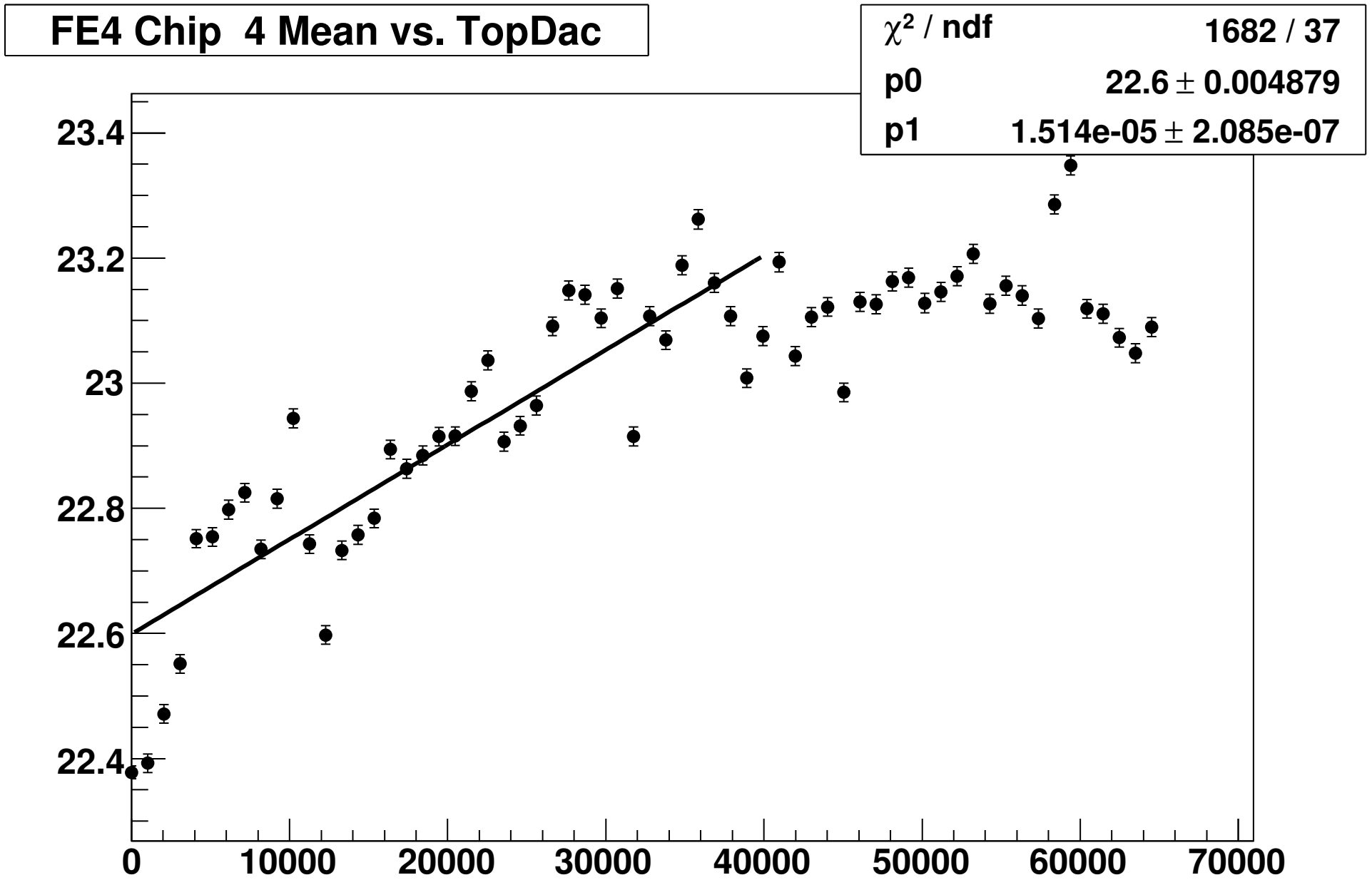
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1682 / 37
p0 22.6 ± 0.004879
p1 1.514e-05 ± 2.085e-07
23.4
23.2
23
22.8
22.6
22.4
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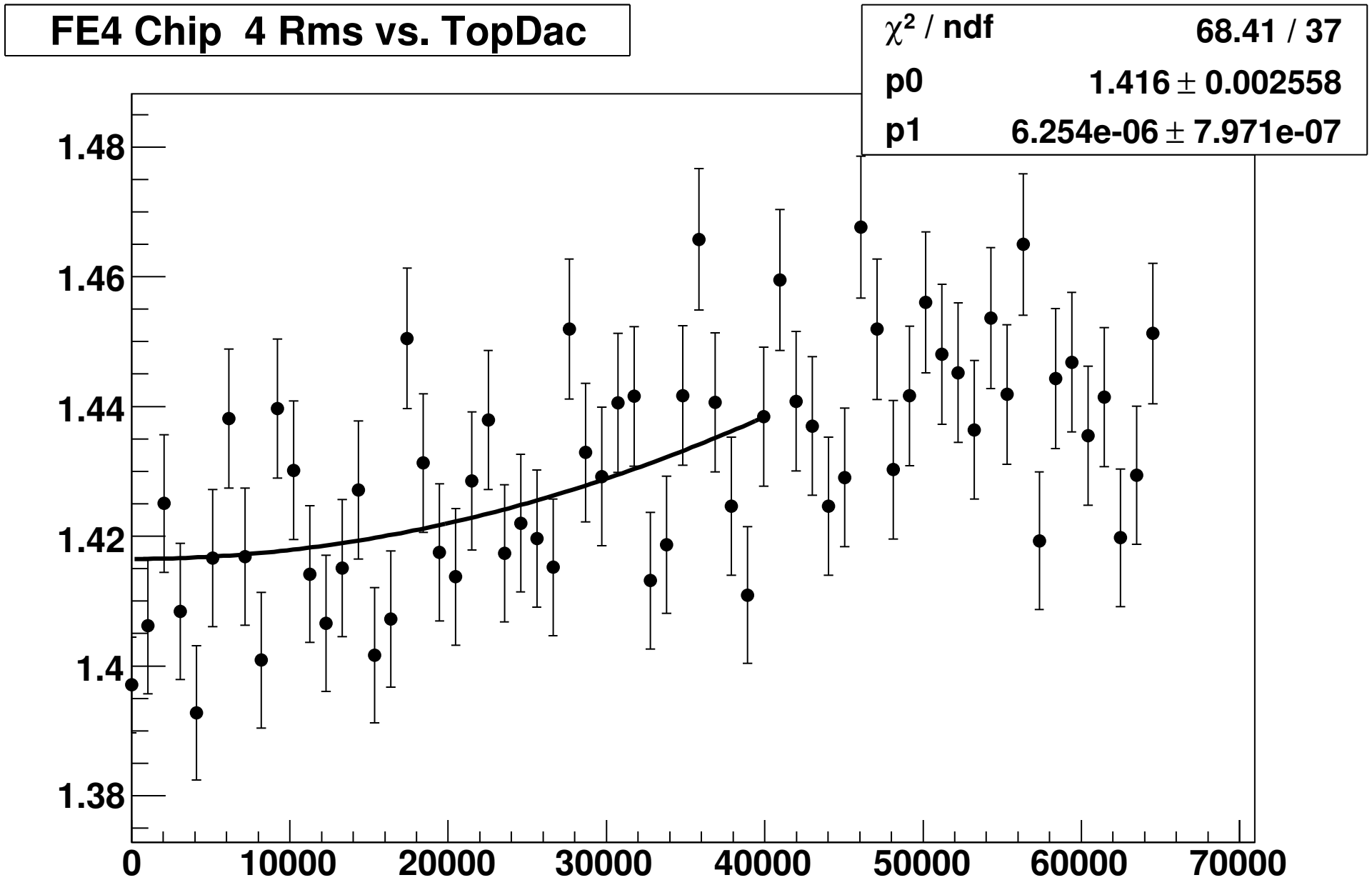
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 68.41 / 37
p0 1.416 ± 0.002558
p1 6.254e-06 ± 7.971e-07
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
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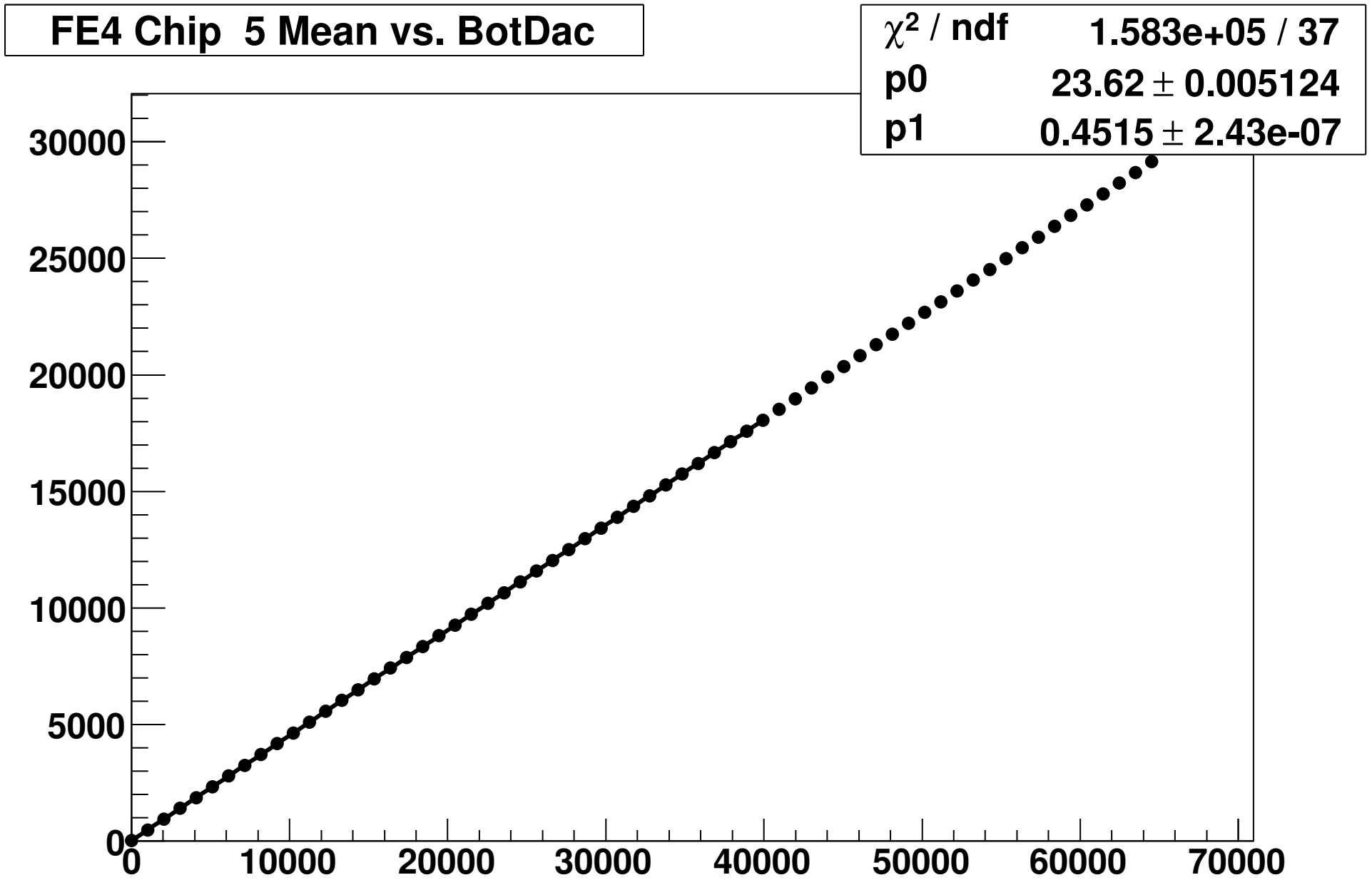
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.583e+05 / 37
p0 23.62 ± 0.005124
p1 0.4515 ± 2.43e-07
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15000
10000
5000
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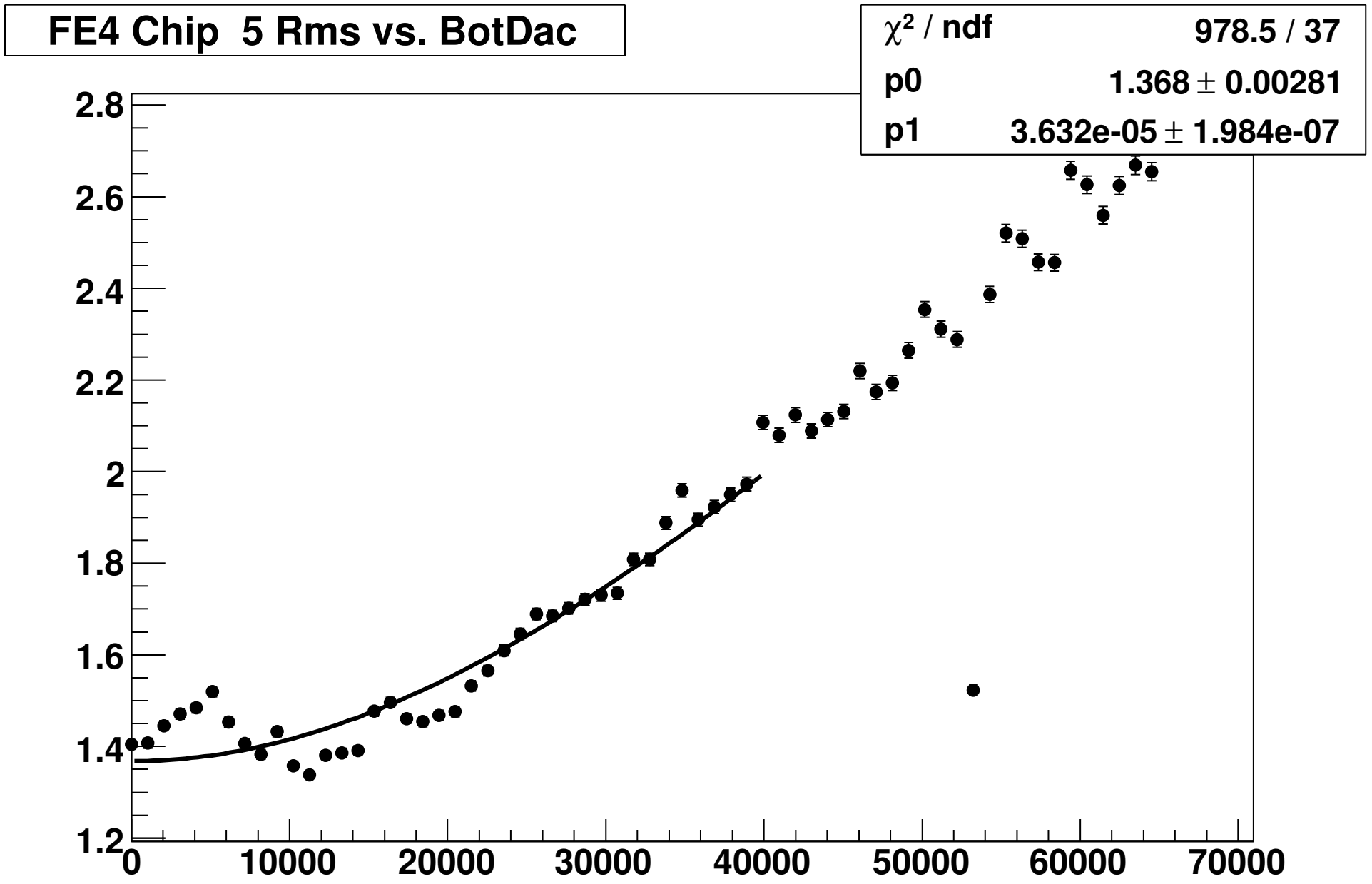
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 978.5 / 37
p0 1.368 ± 0.00281
p1 3.632e-05 ± 1.984e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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50000
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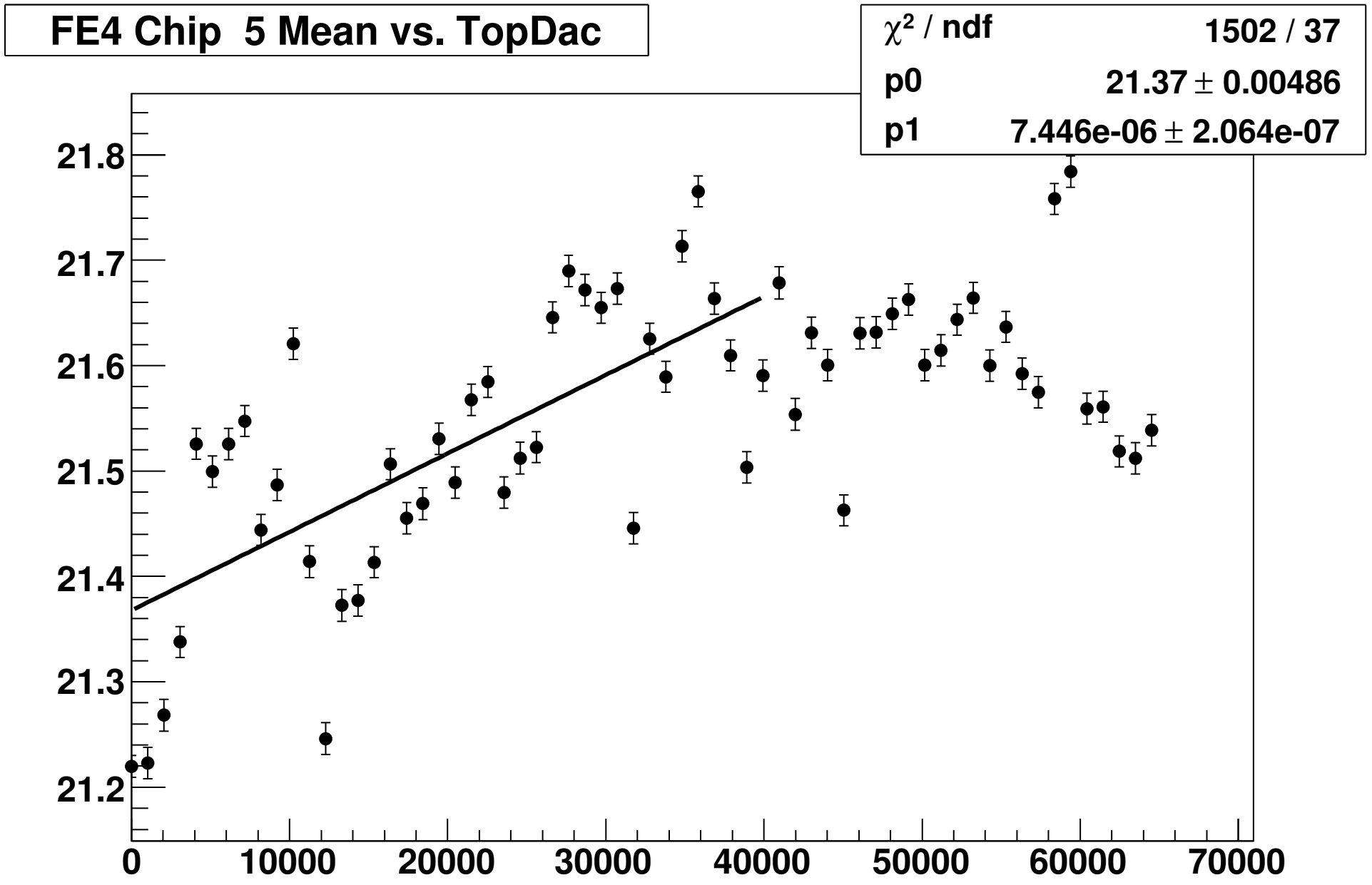
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 1502 / 37
p0 21.37 ± 0.00486
p1 7.446e-06 ± 2.064e-07
21.8
21.7
21.6
21.5
21.4
21.3
21.2
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20000
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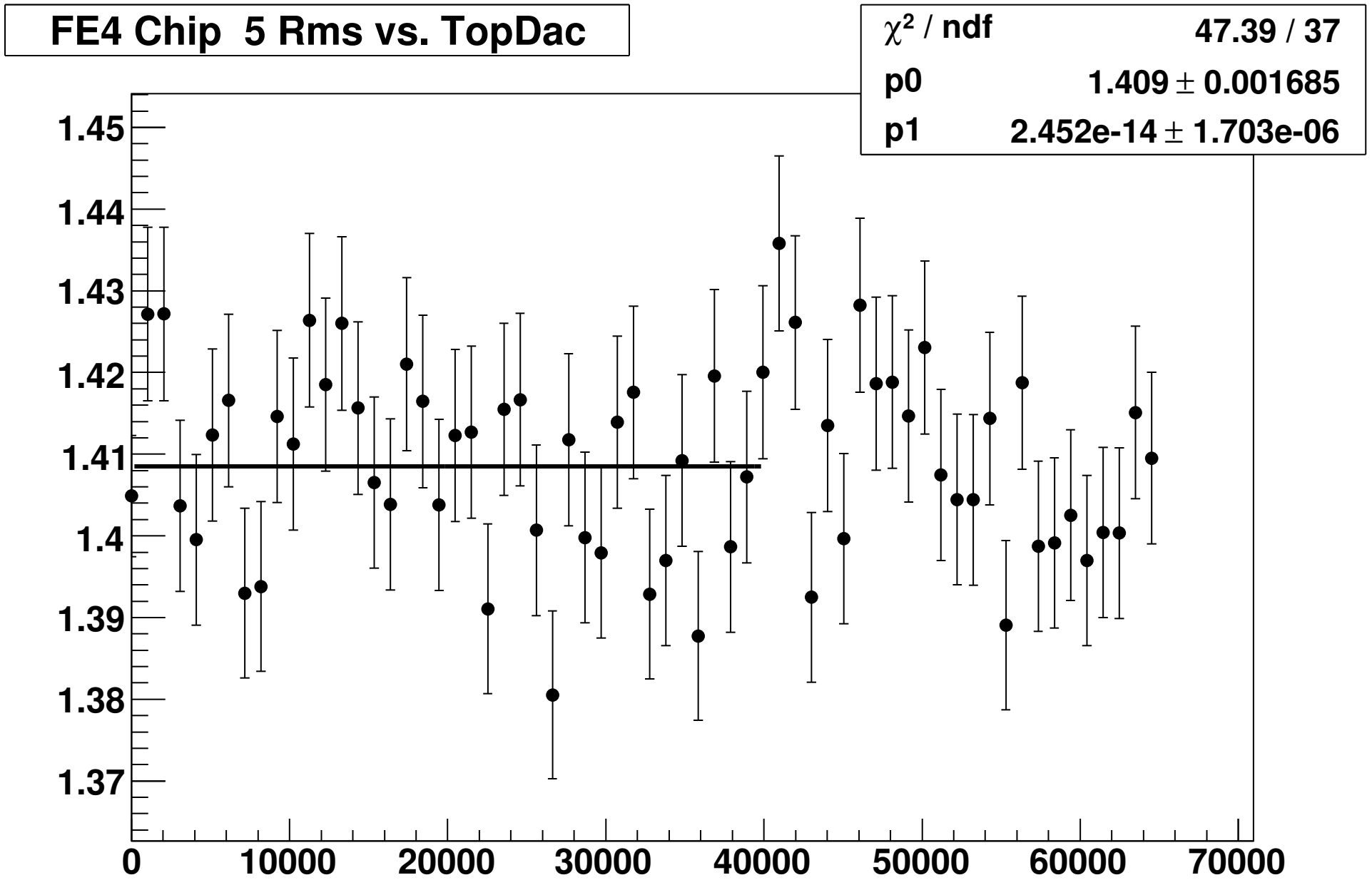
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 47.39 / 37
p0 1.409 ± 0.001685
p1 2.452e-14 ± 1.703e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
50000
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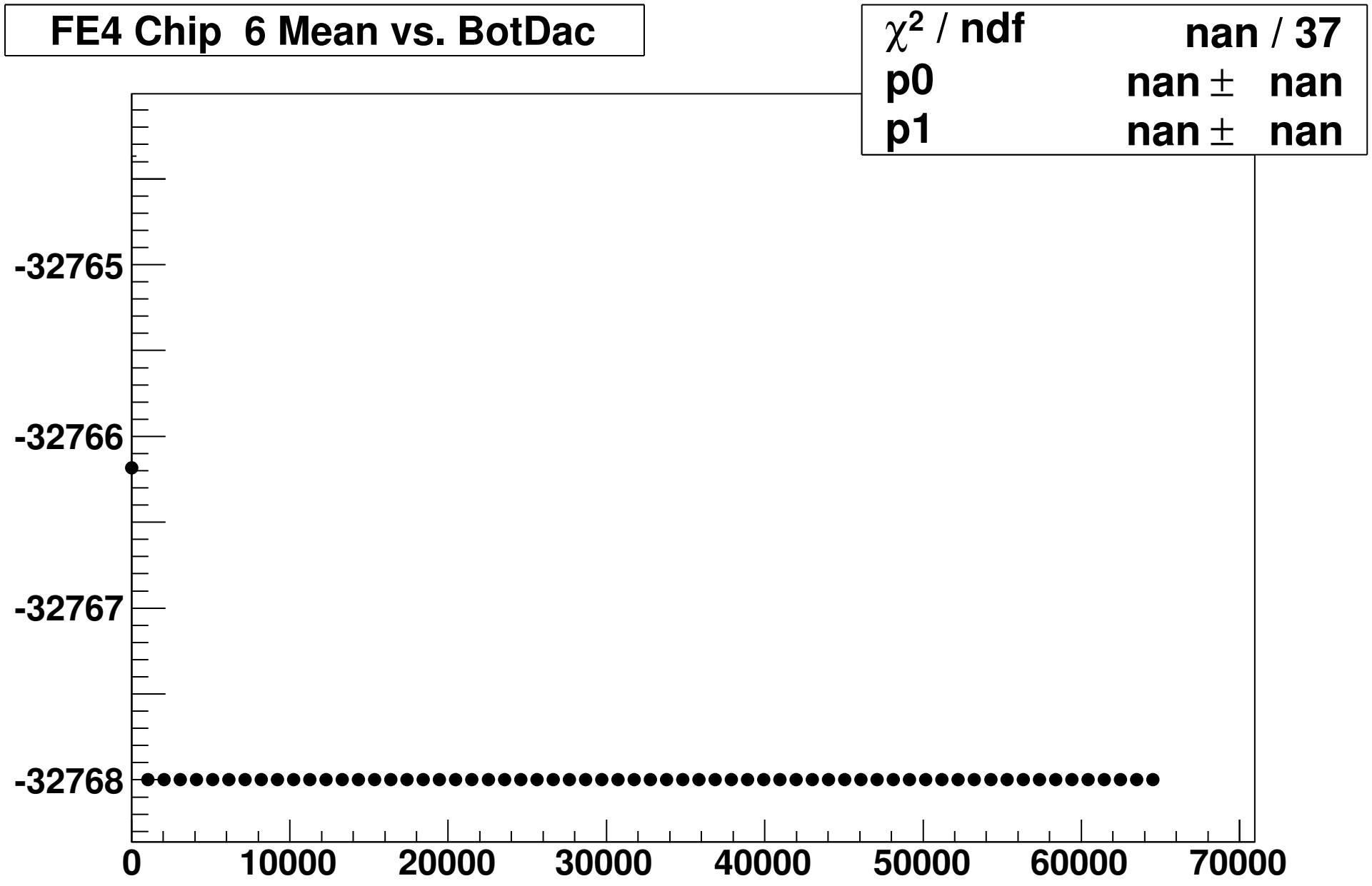
FE4 Chip 6 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32765
-32766
-32767
-32768
0
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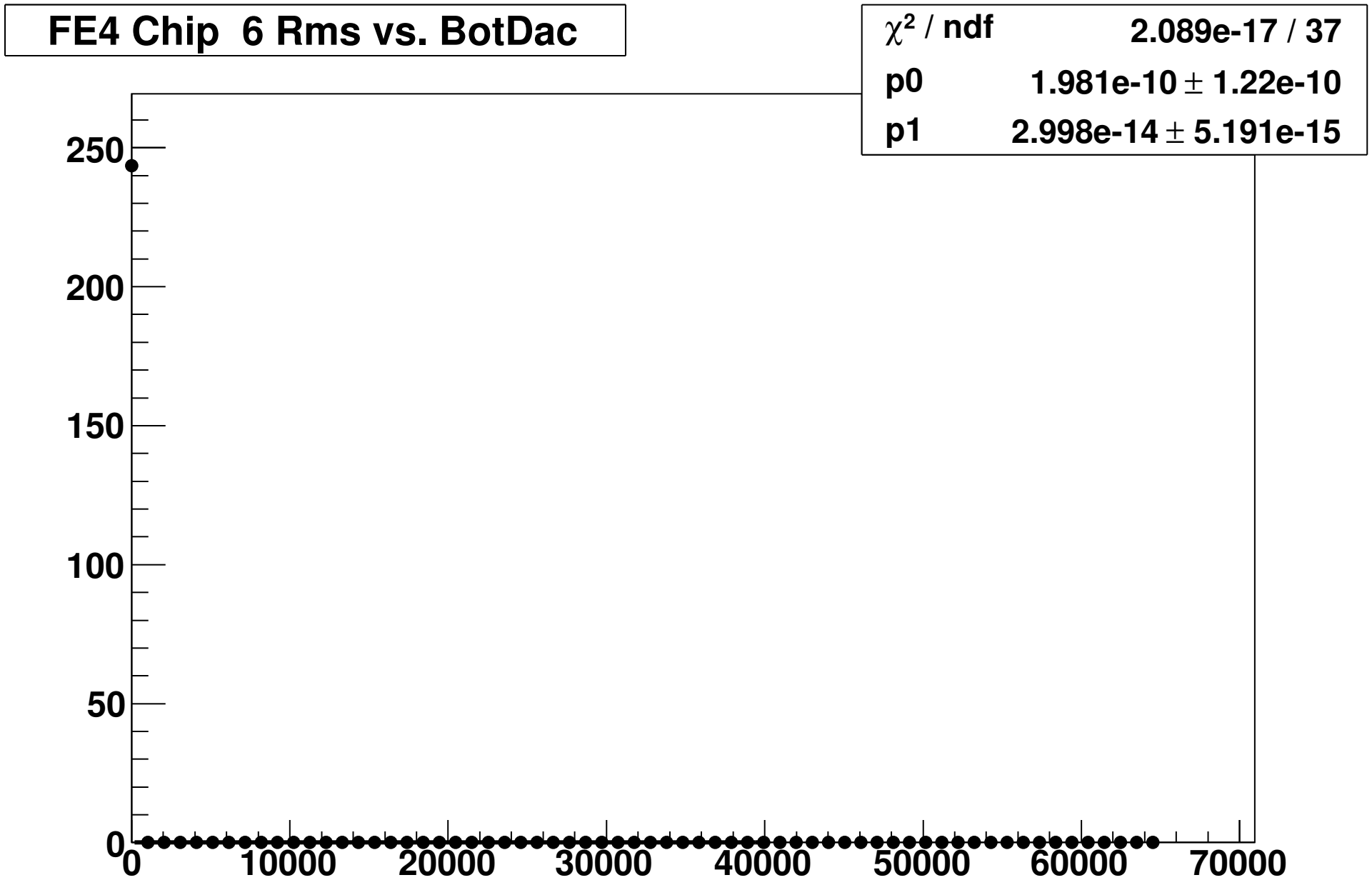
FE4 Chip 6 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
200
150
100
50
0
0
10000
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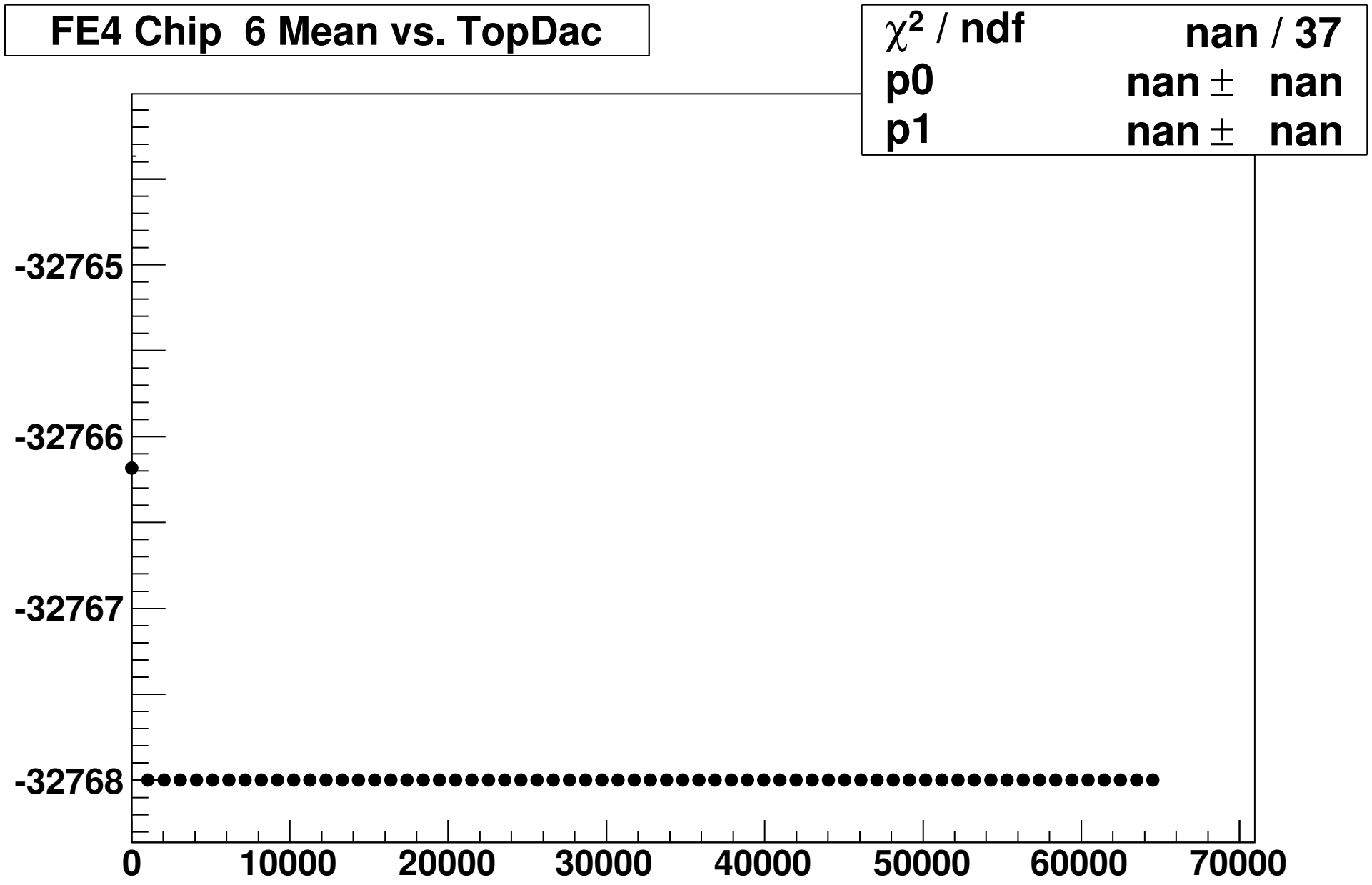
FE4 Chip 6 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32765
-32766
-32767
-32768
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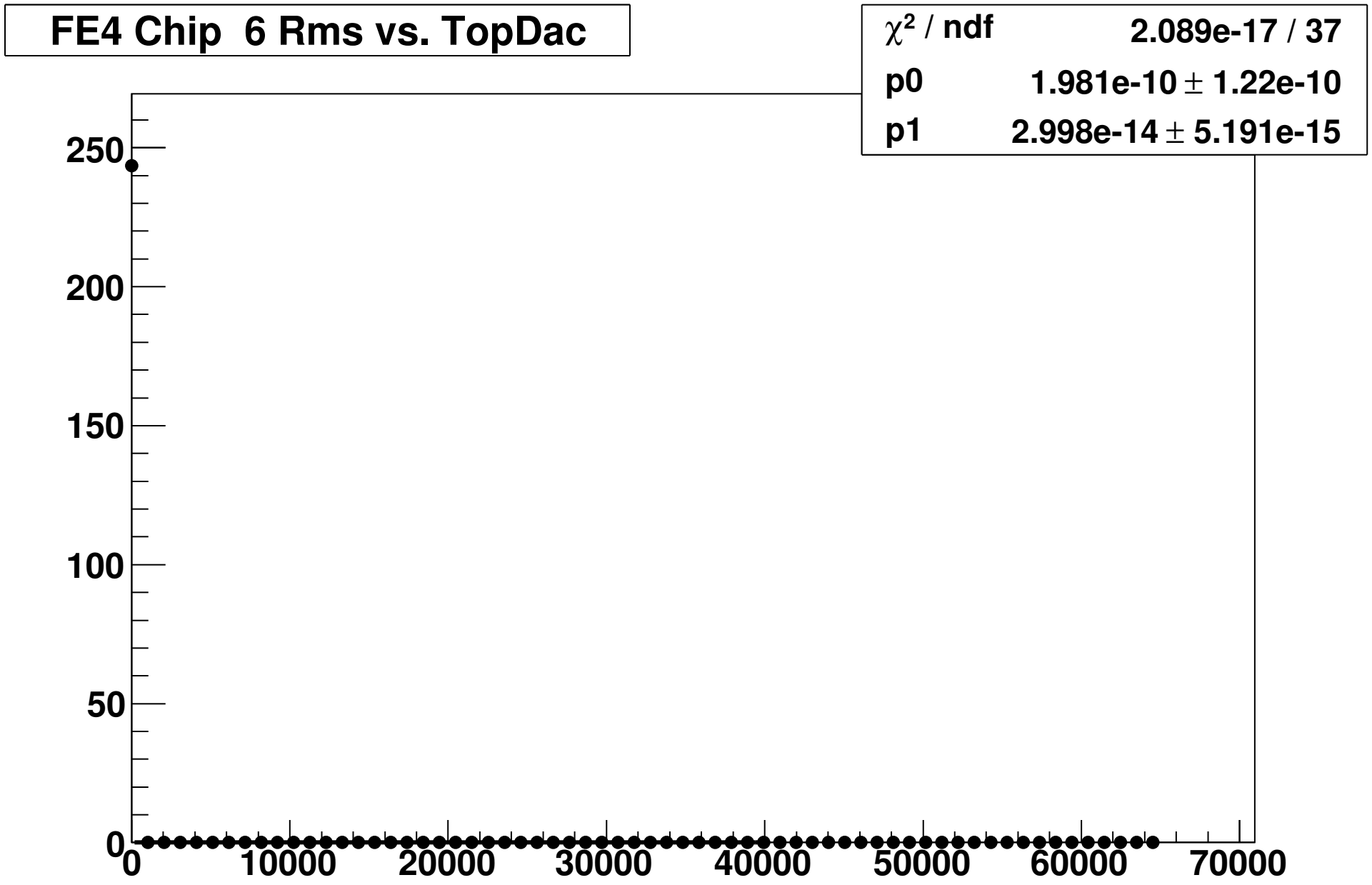
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
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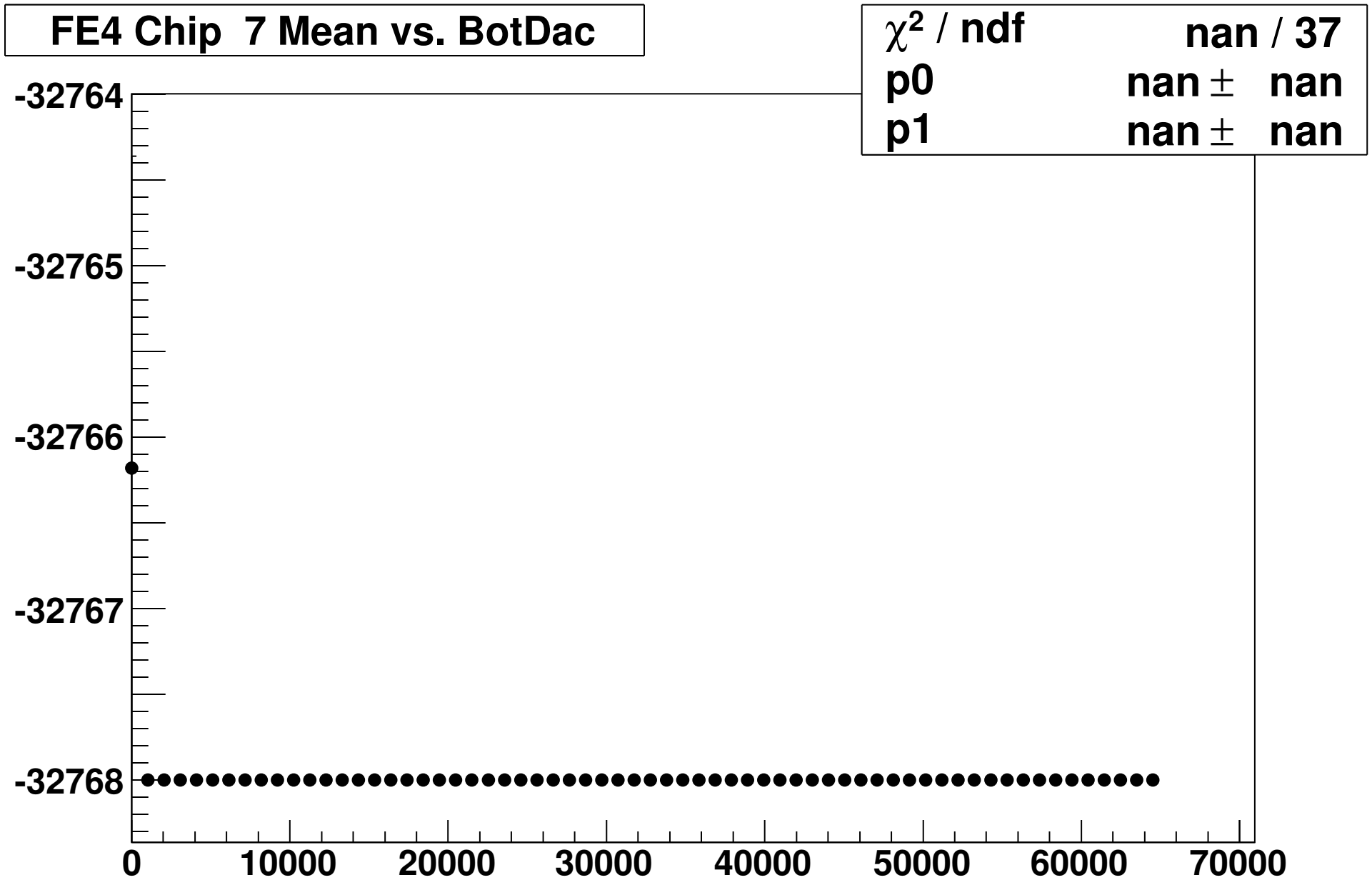
FE4 Chip 7 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32764
-32765
-32766
-32767
-32768
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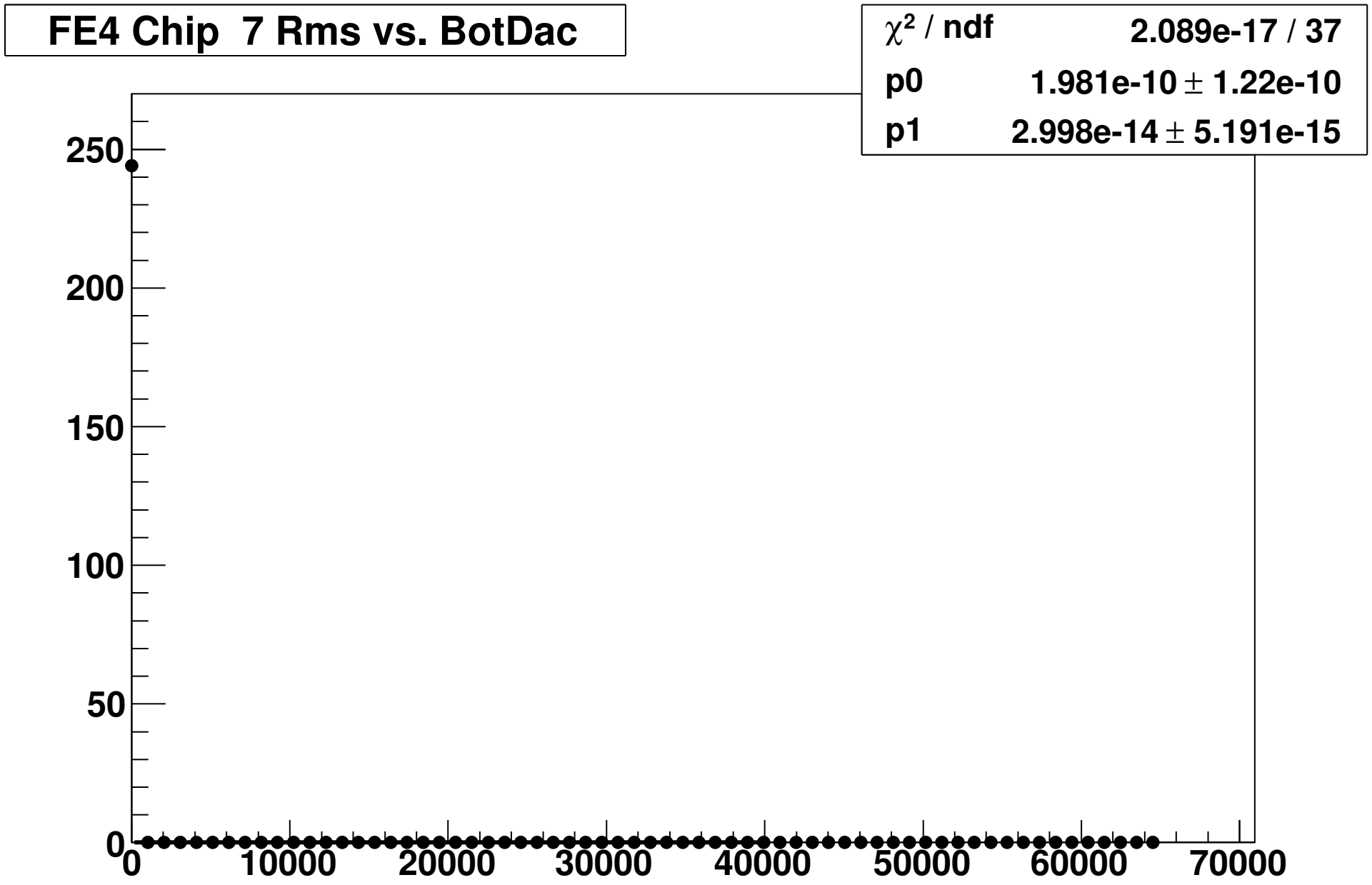
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
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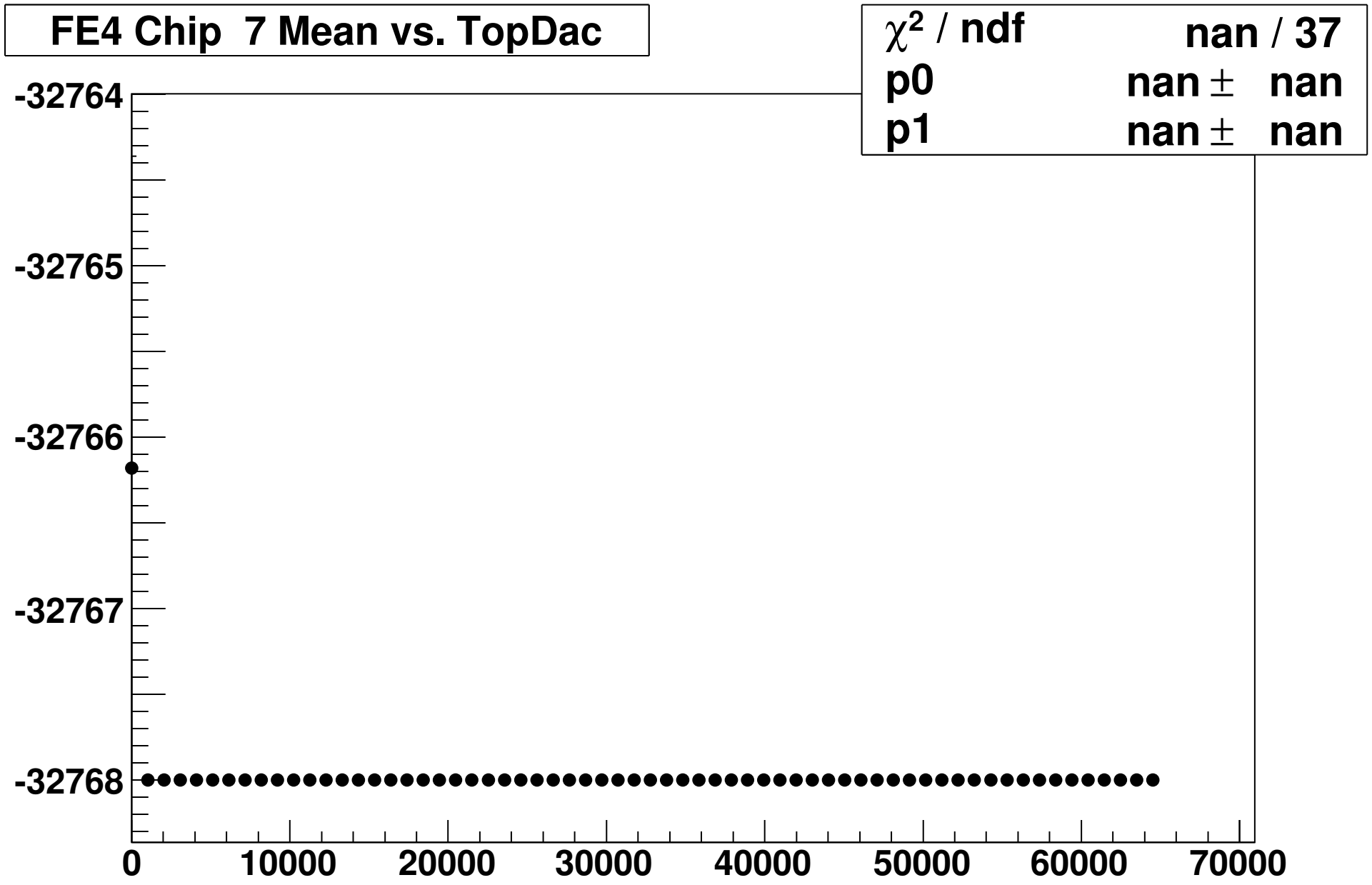
FE4 Chip 7 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32764
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-32766
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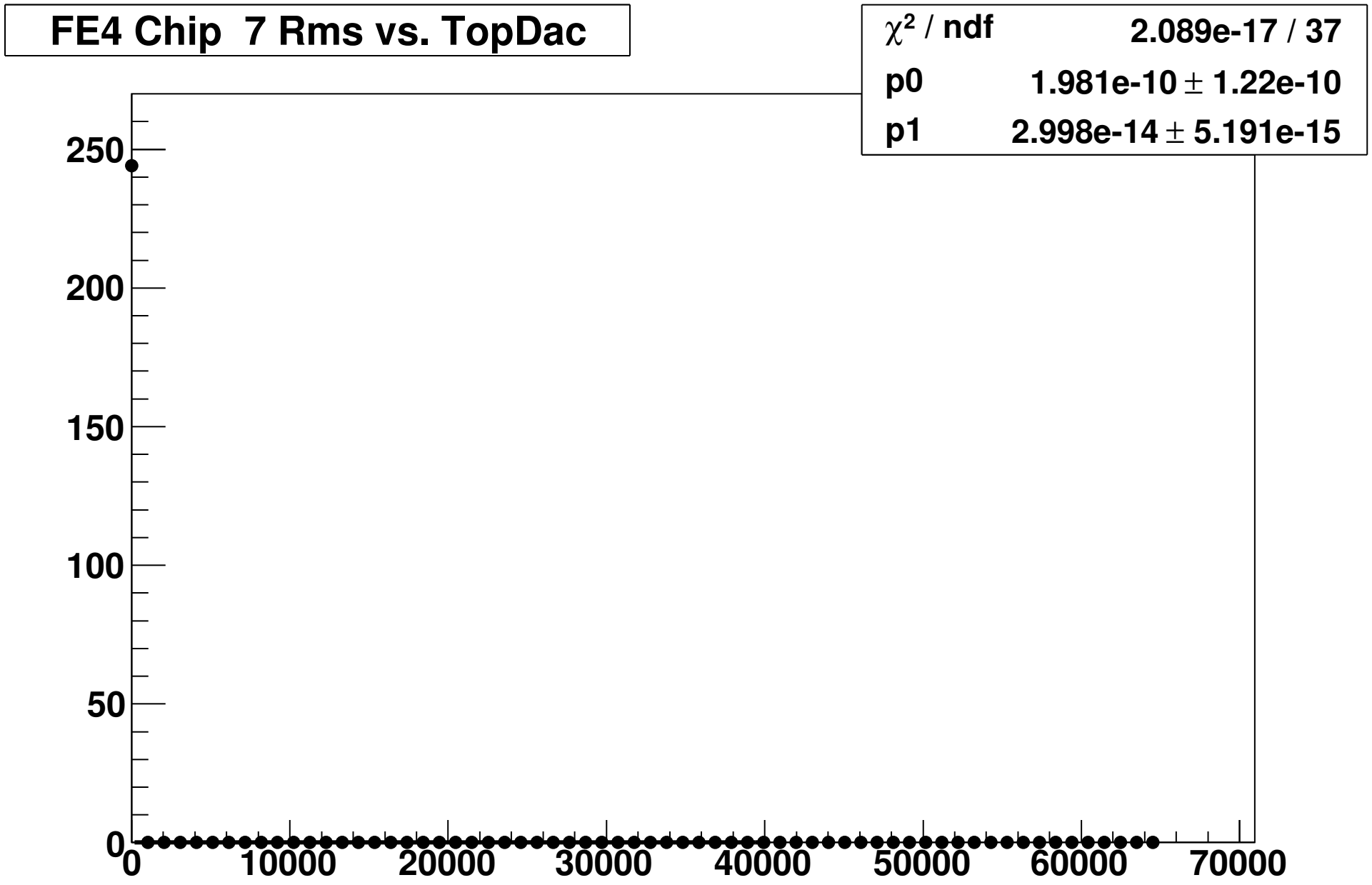
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
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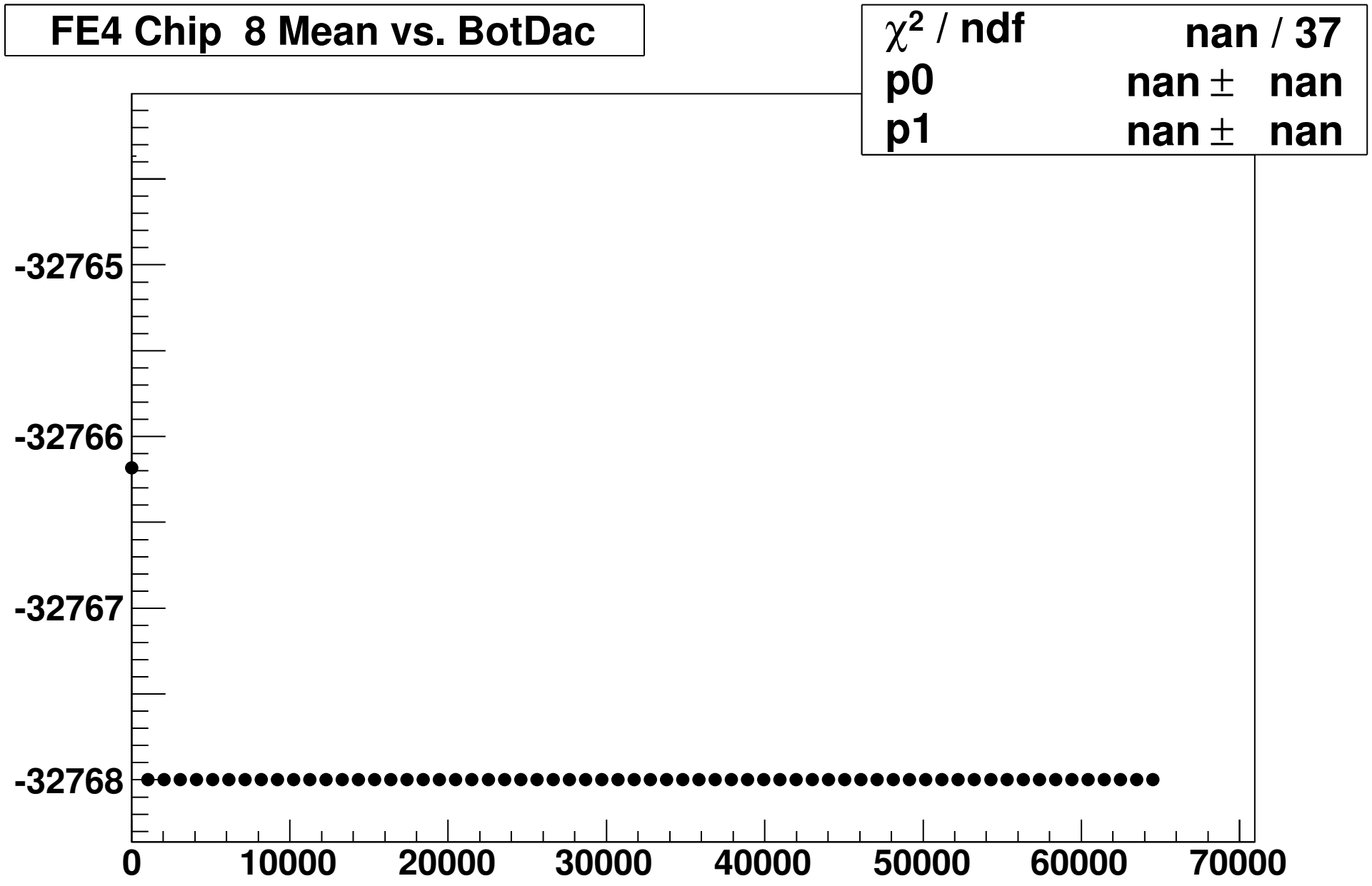
FE4 Chip 8 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32765
-32766
-32767
-32768
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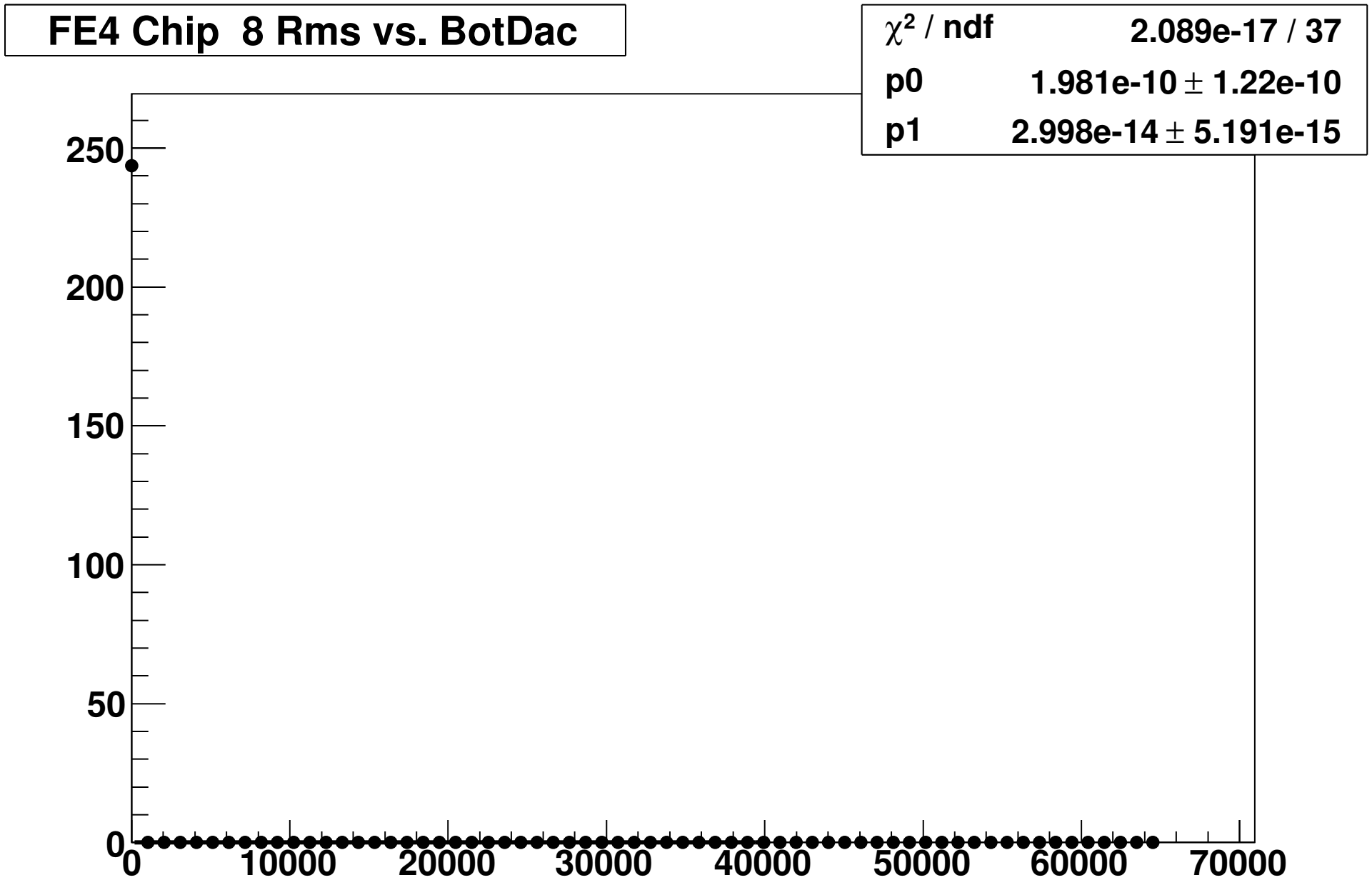
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
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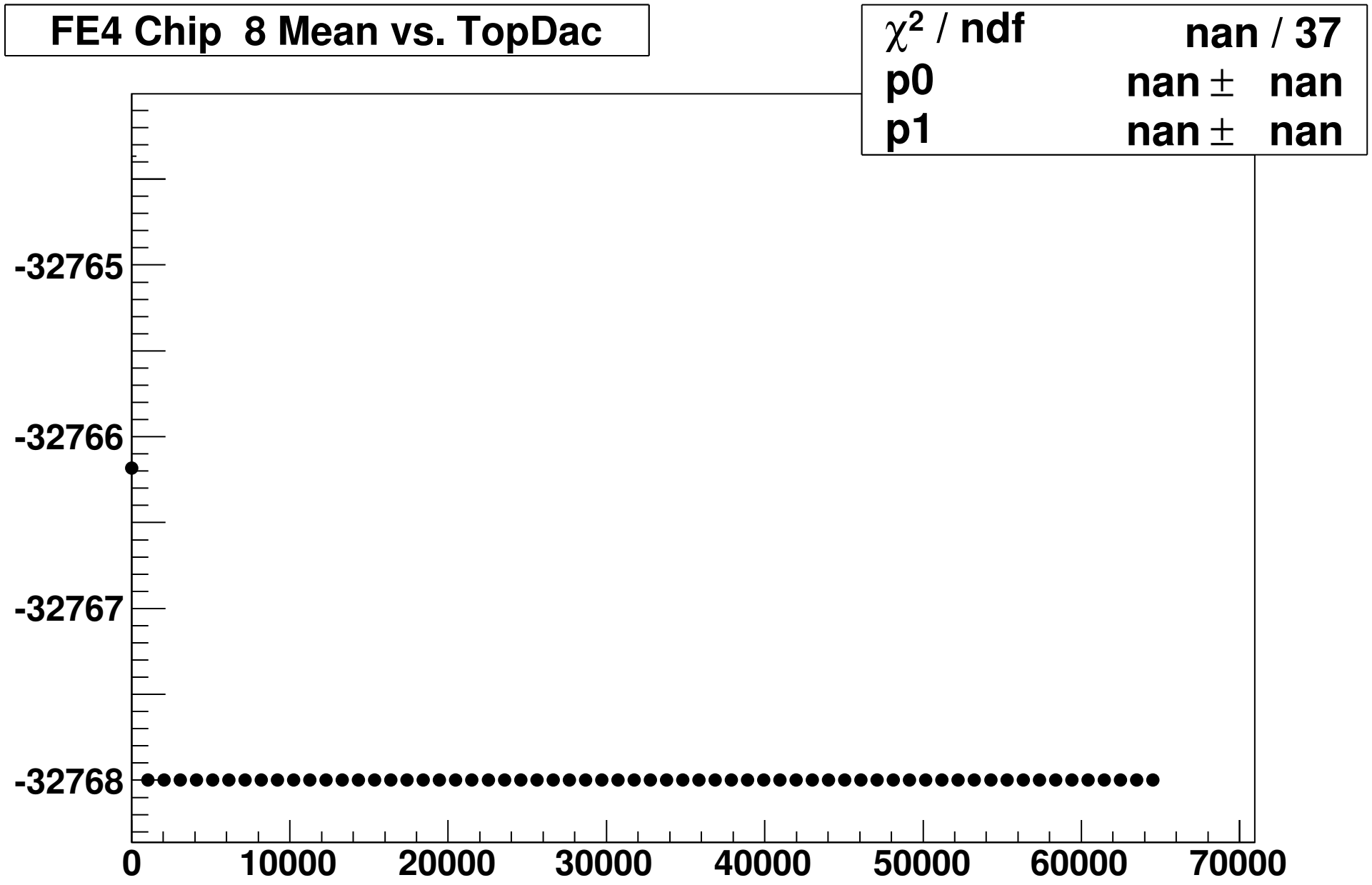
FE4 Chip 8 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32765
-32766
-32767
-32768
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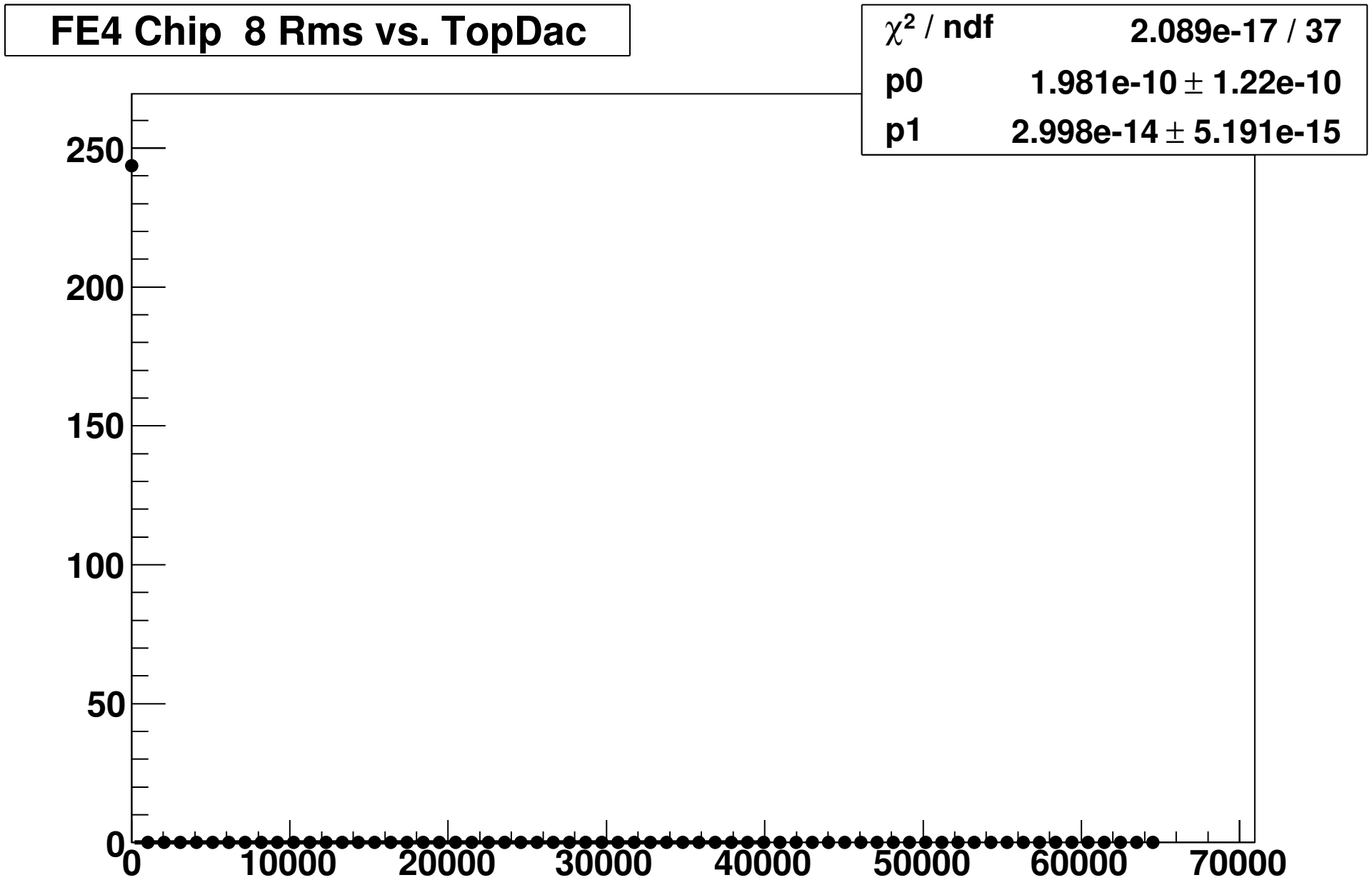
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
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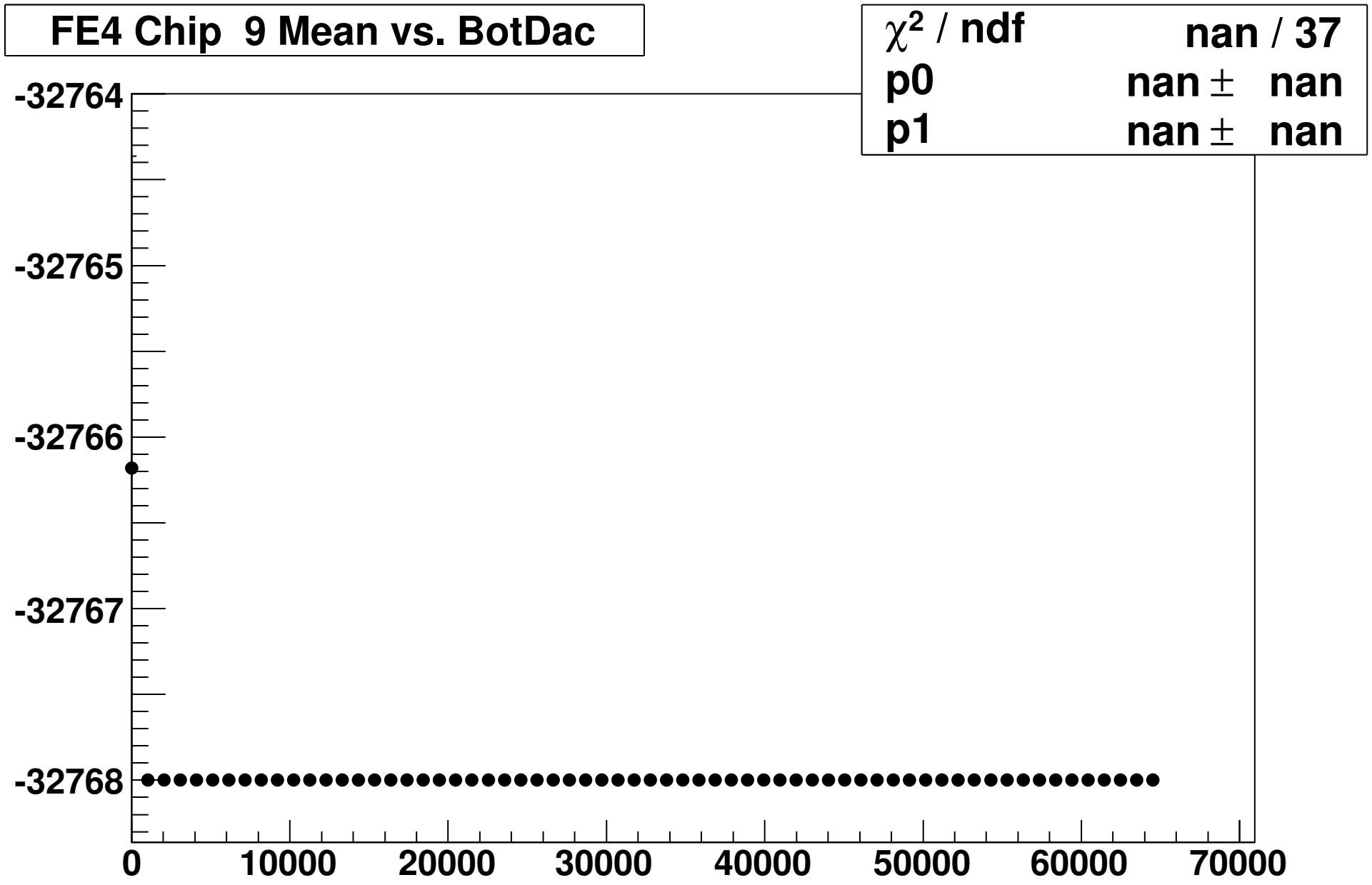
FE4 Chip 9 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32764
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-32766
-32767
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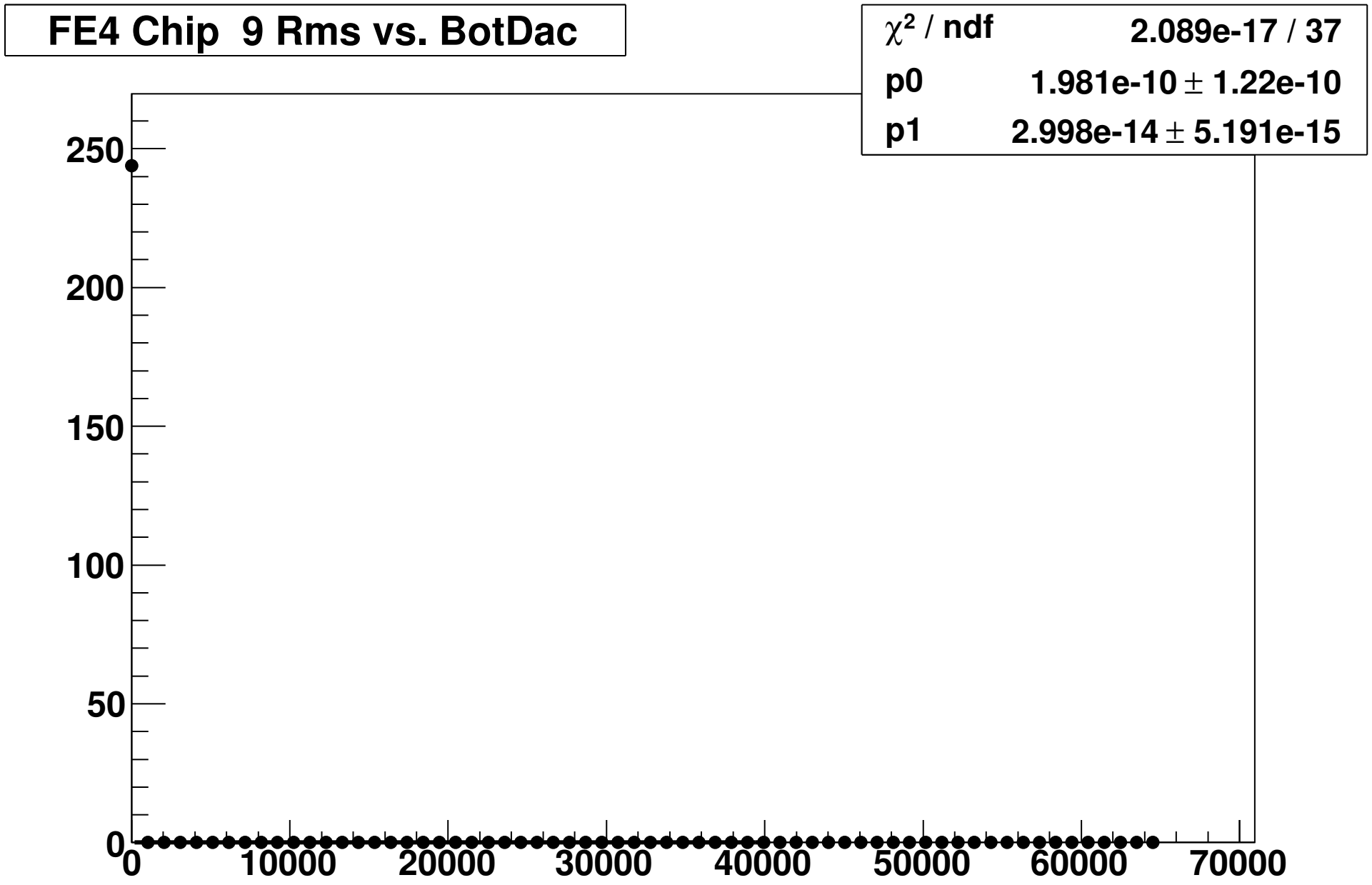
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
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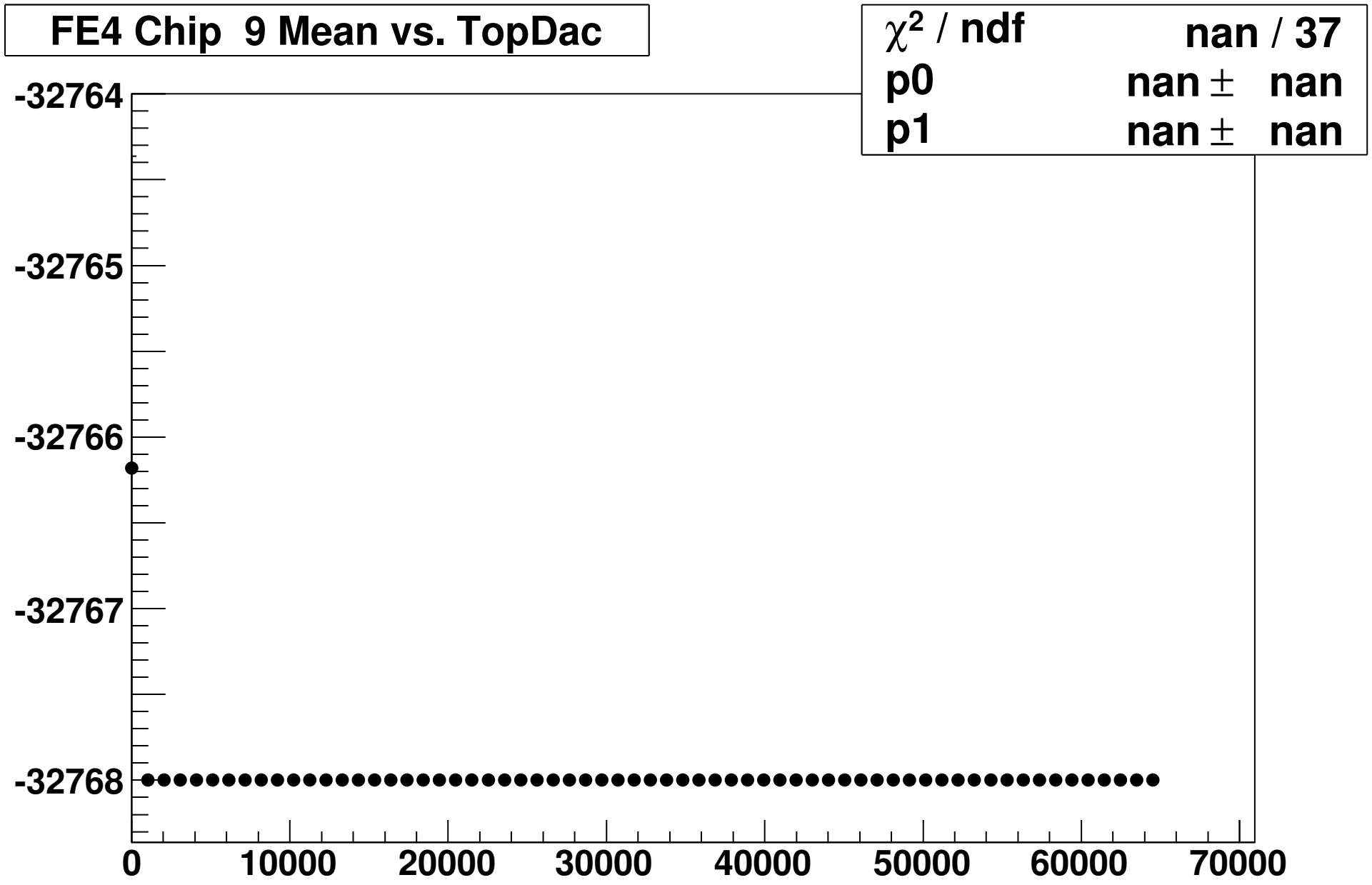
FE4 Chip 9 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
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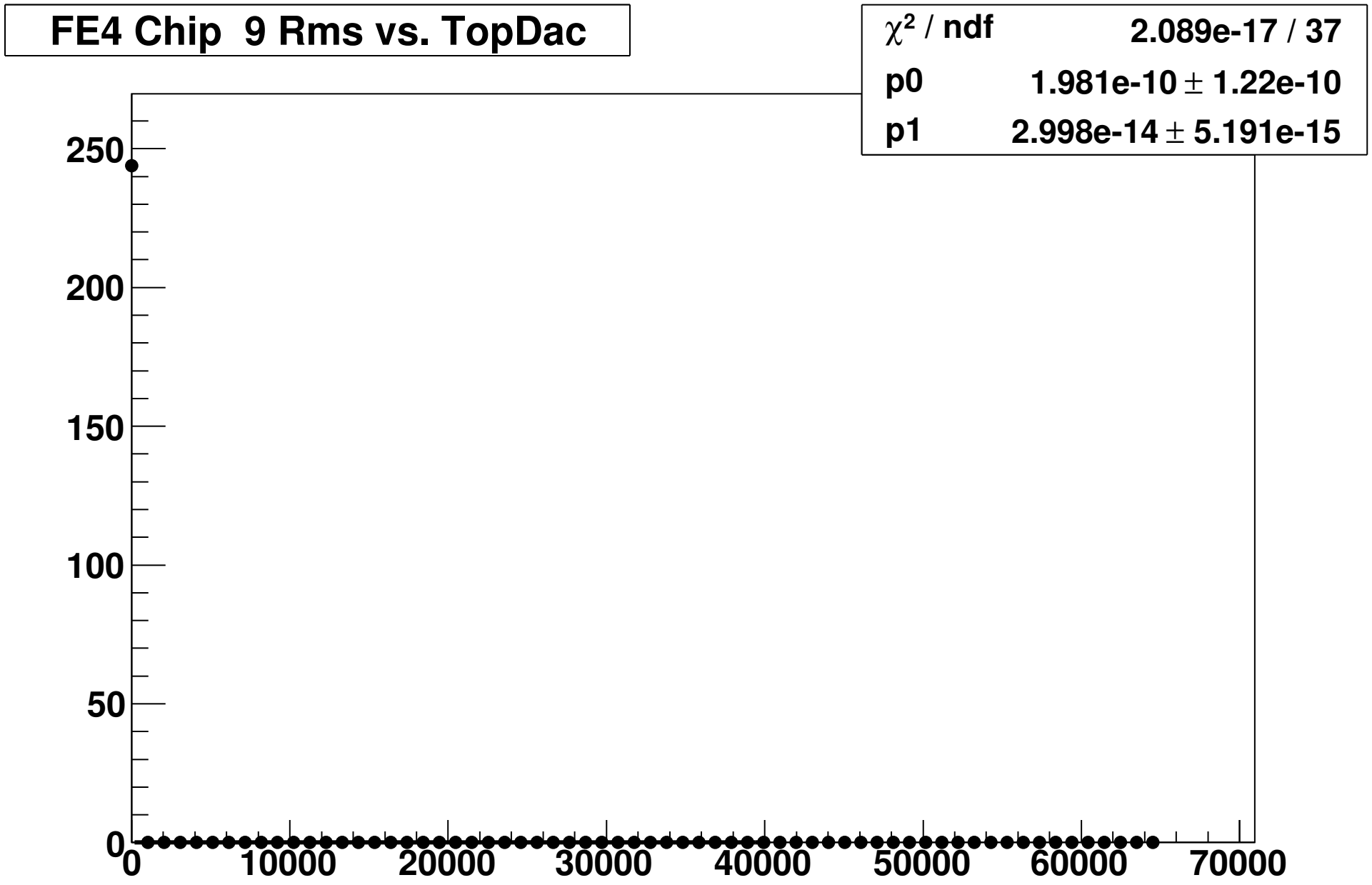
FE4 Chip 9 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
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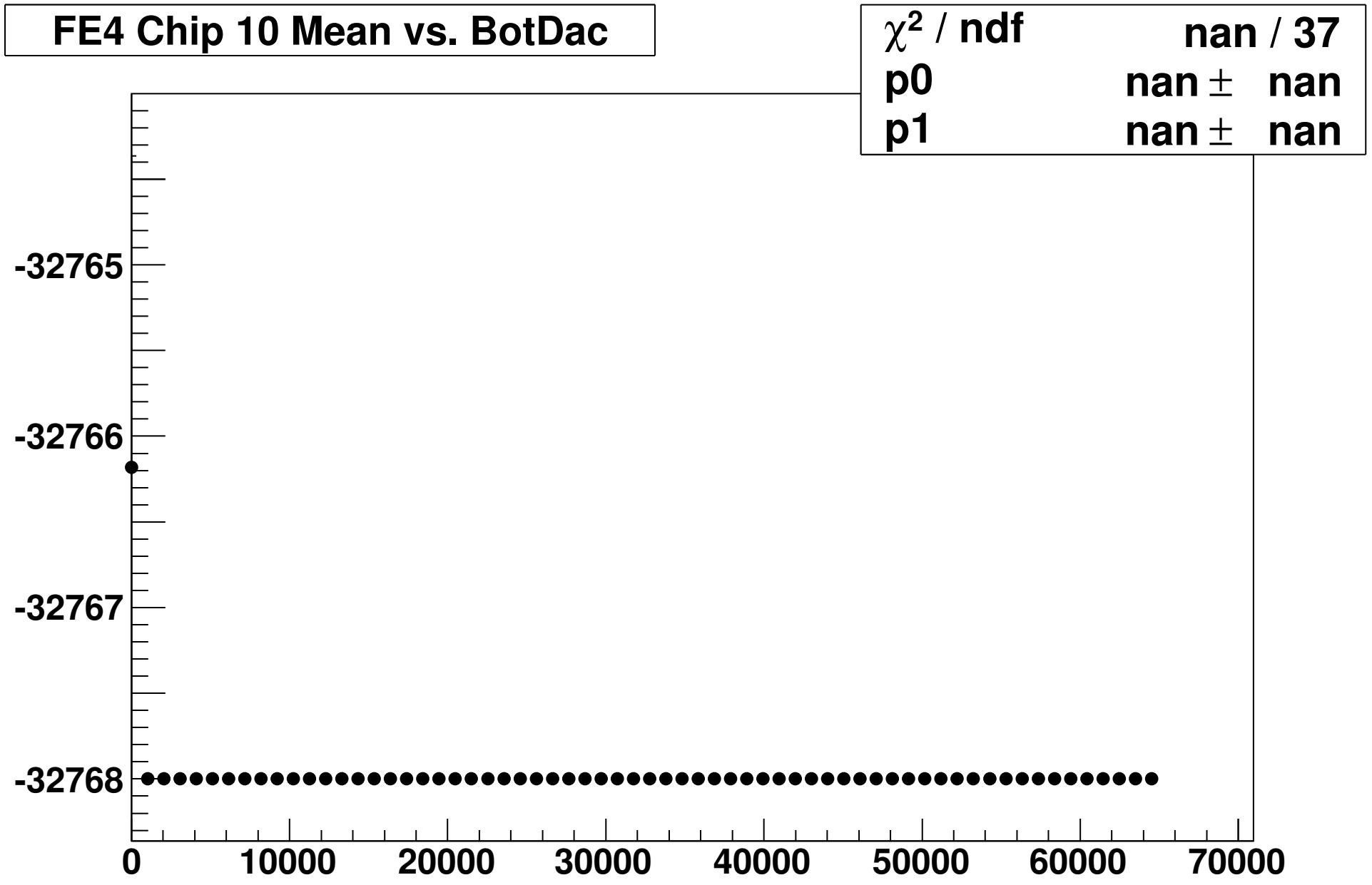
FE4 Chip 10 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32765
-32766
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-32768
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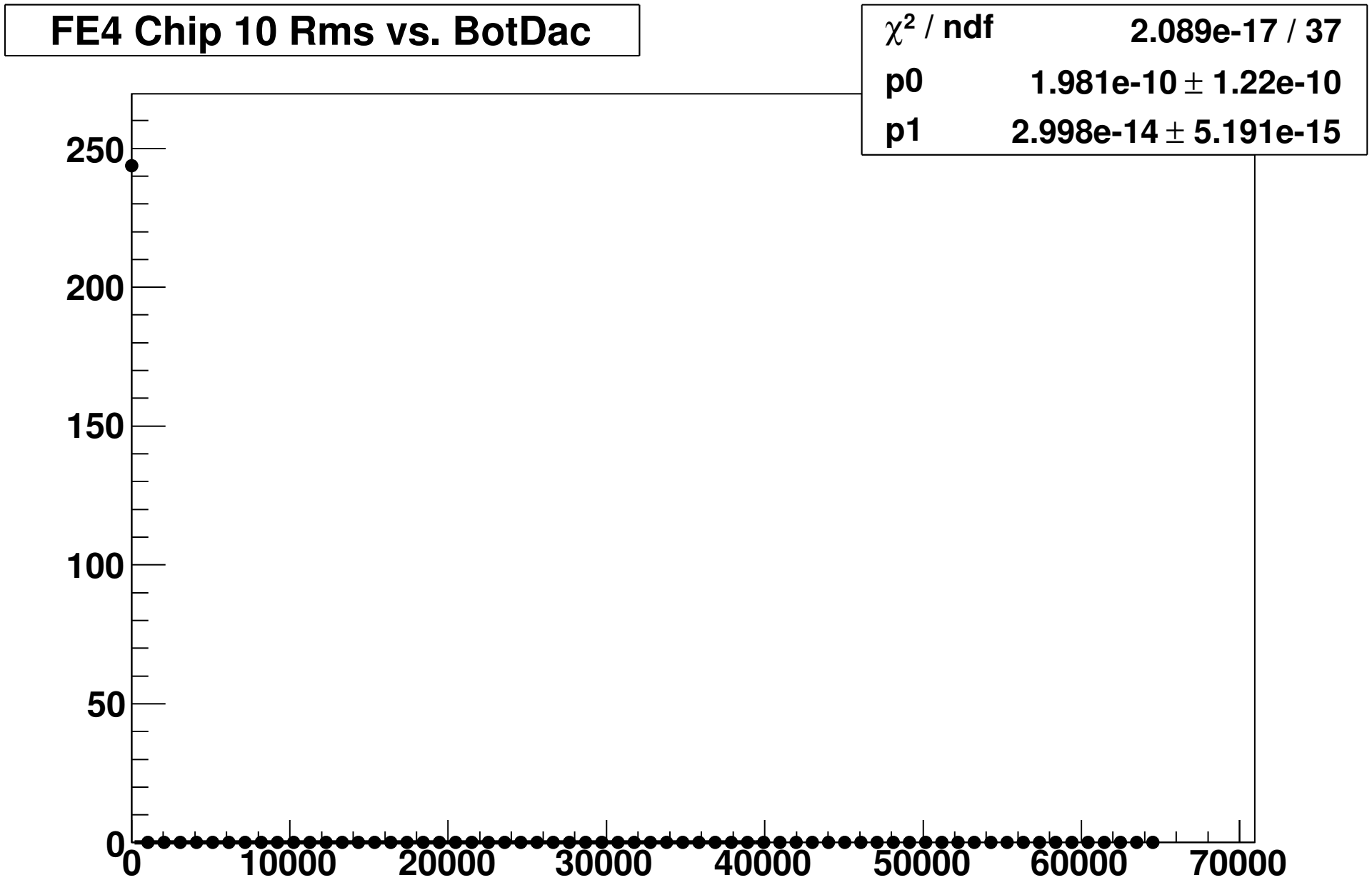
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
200
150
100
50
0
0
10000
20000
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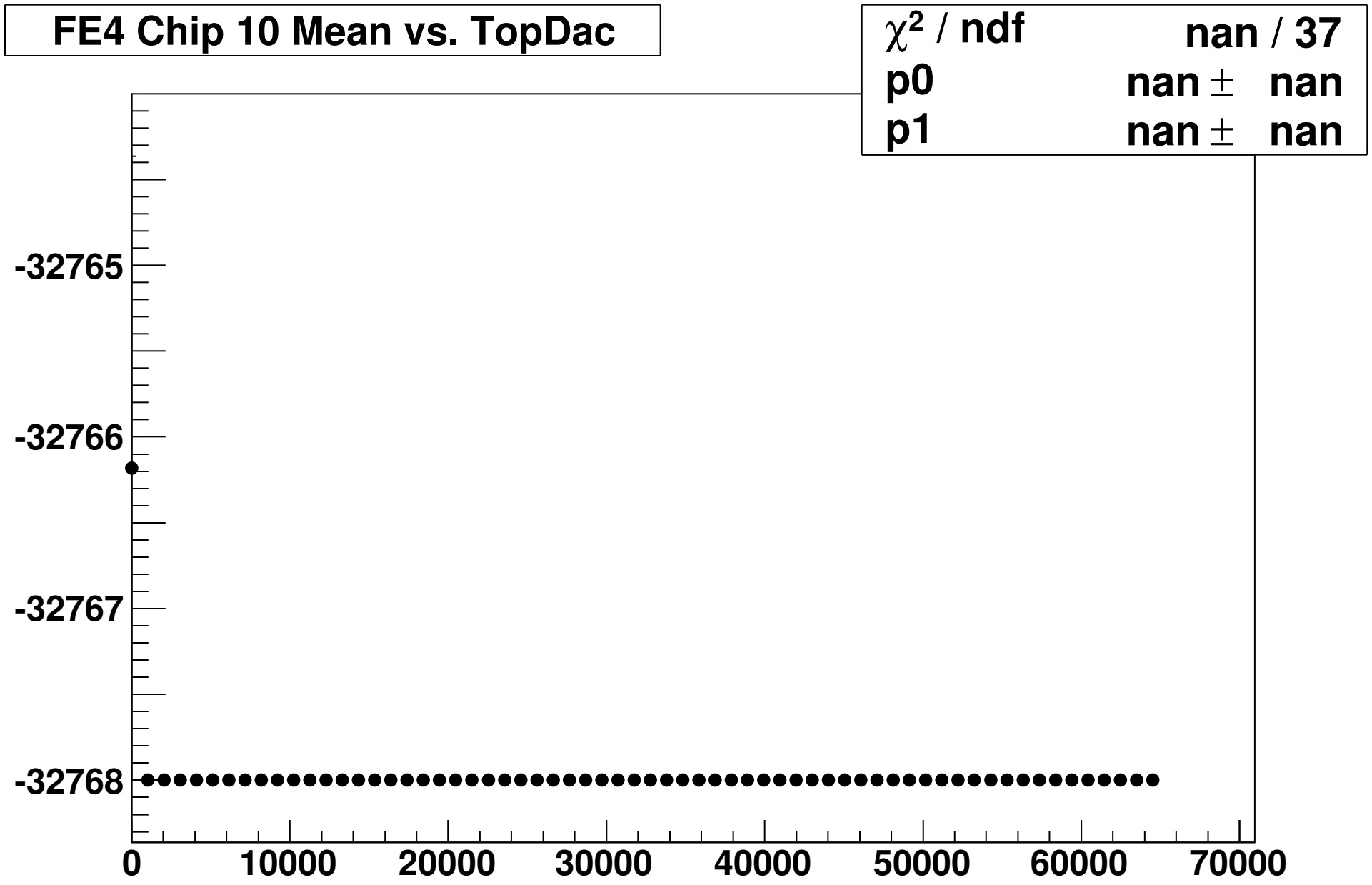
FE4 Chip 10 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
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-32766
-32767
-32768
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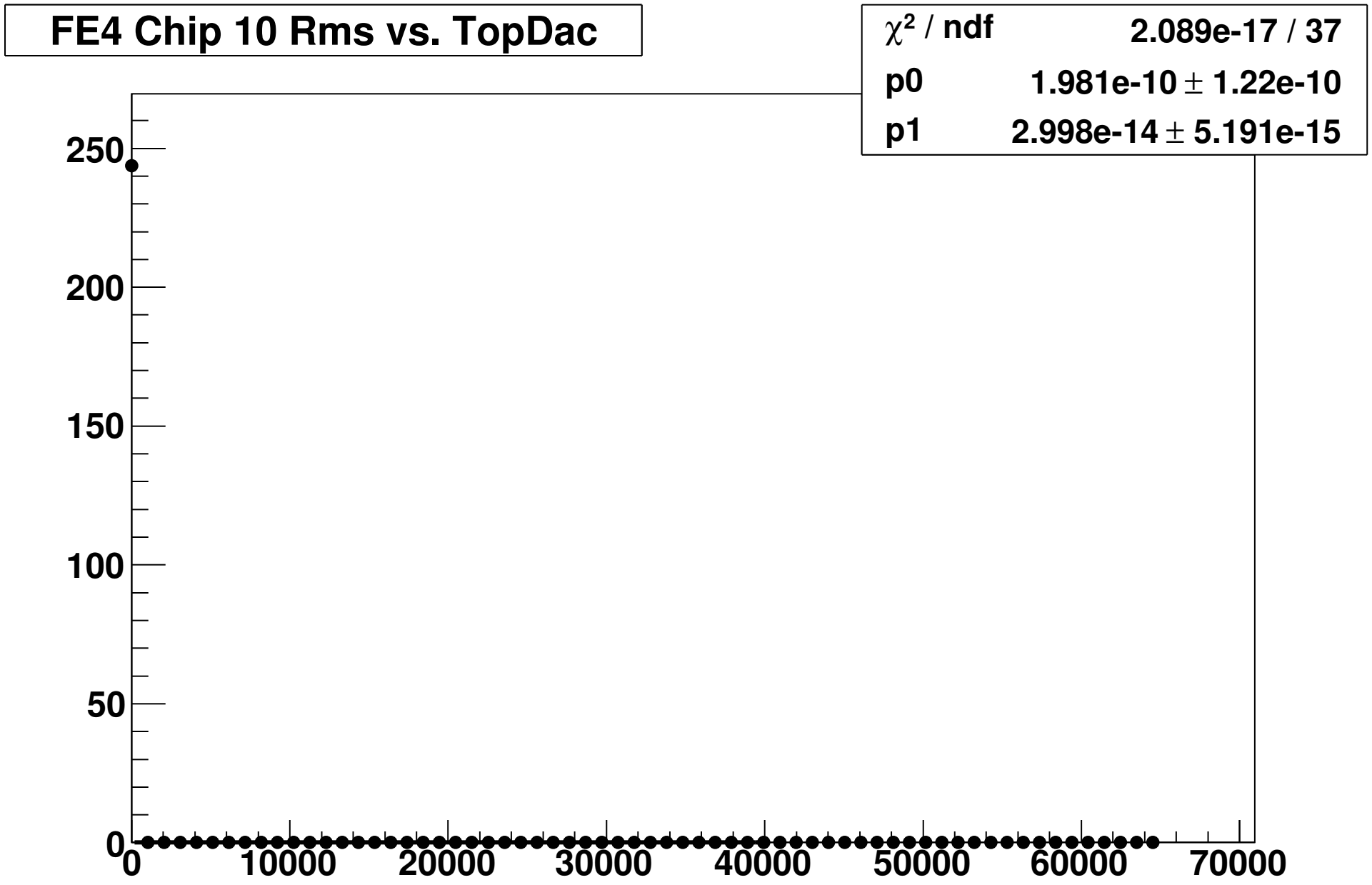
FE4 Chip 10 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
200
150
100
50
0
0
10000
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50000
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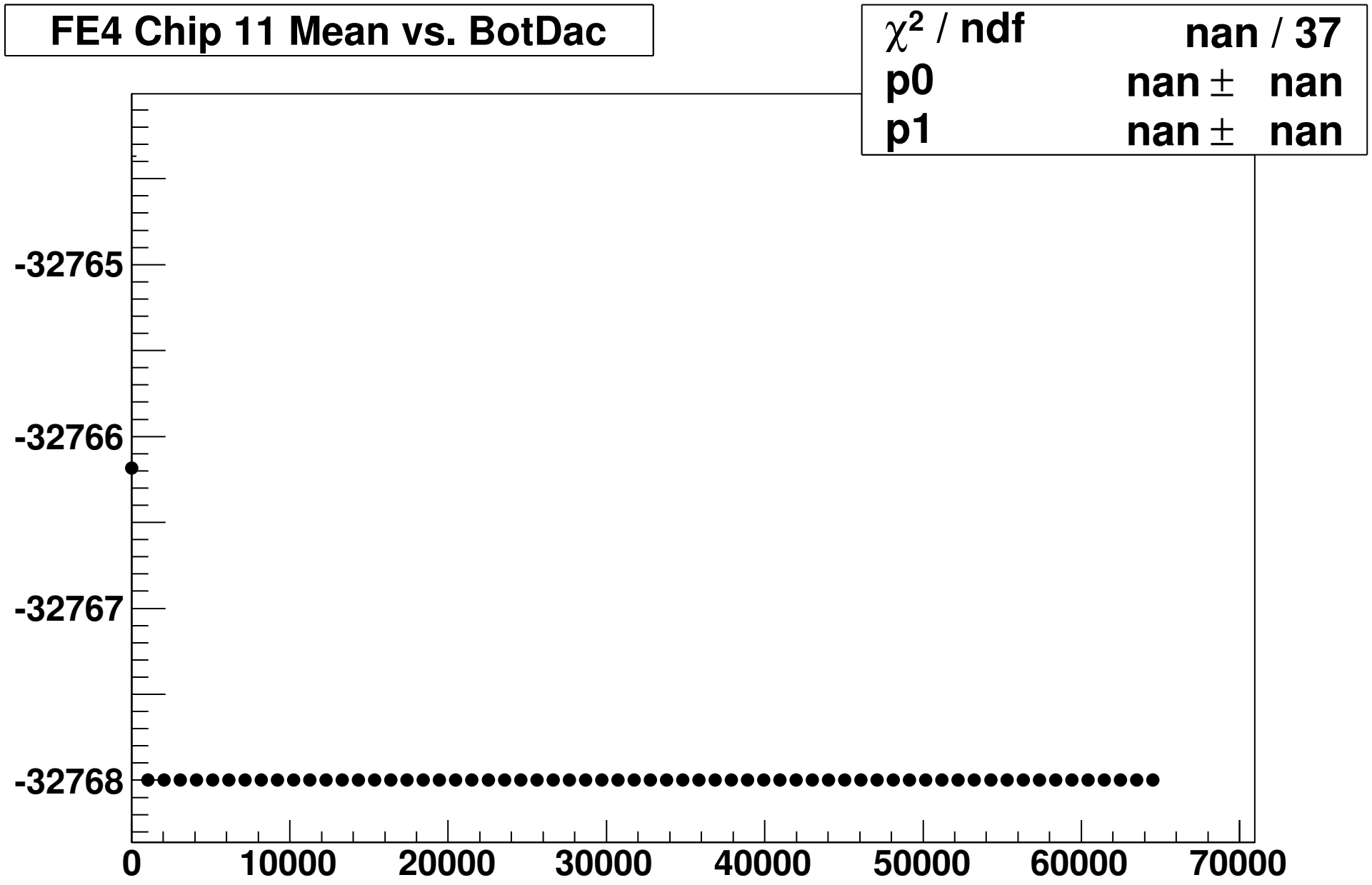
FE4 Chip 11 Mean vs. BotDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
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-32766
-32767
-32768
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50000
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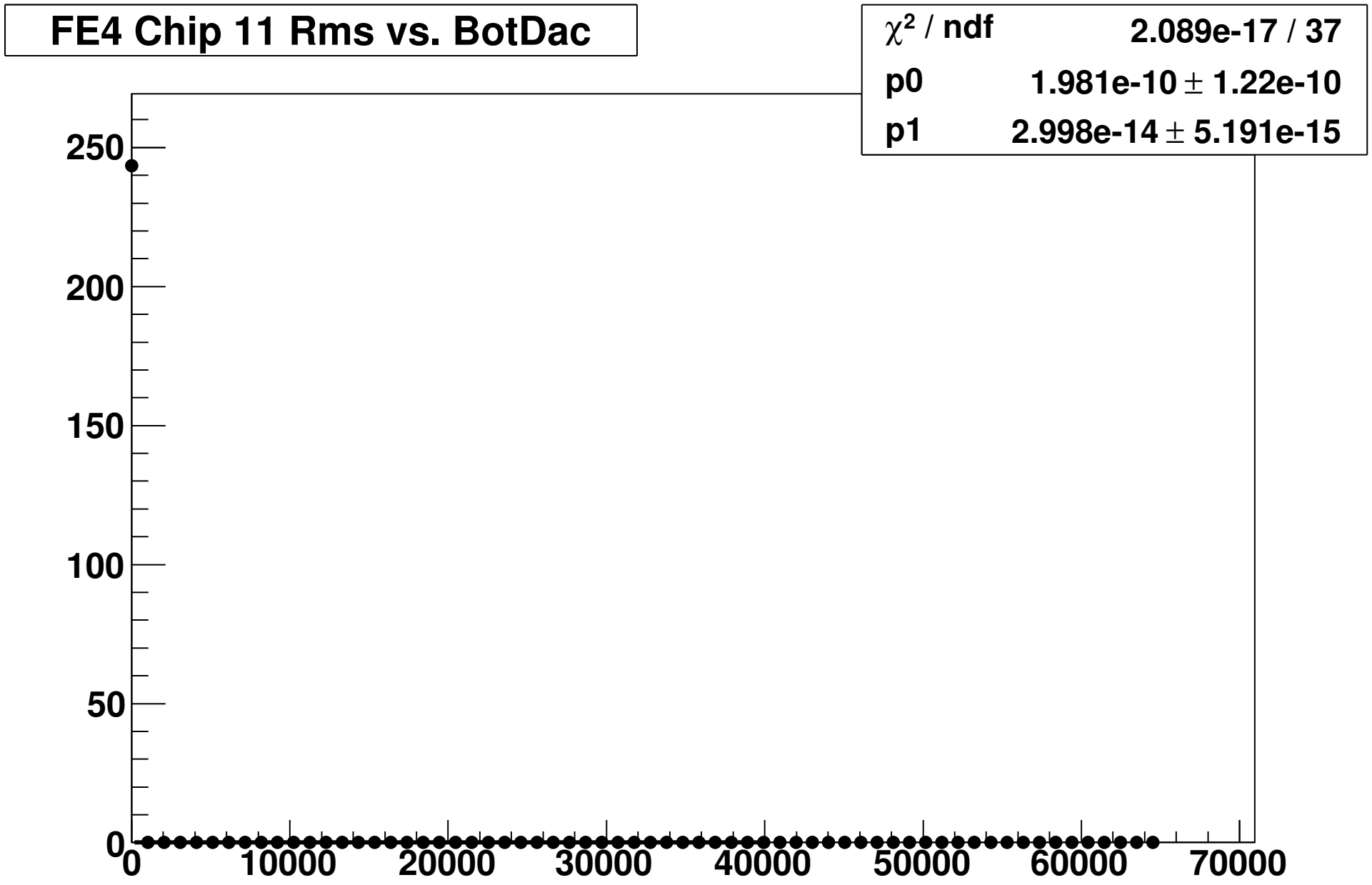
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
200
150
100
50
0
0
10000
20000
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40000
50000
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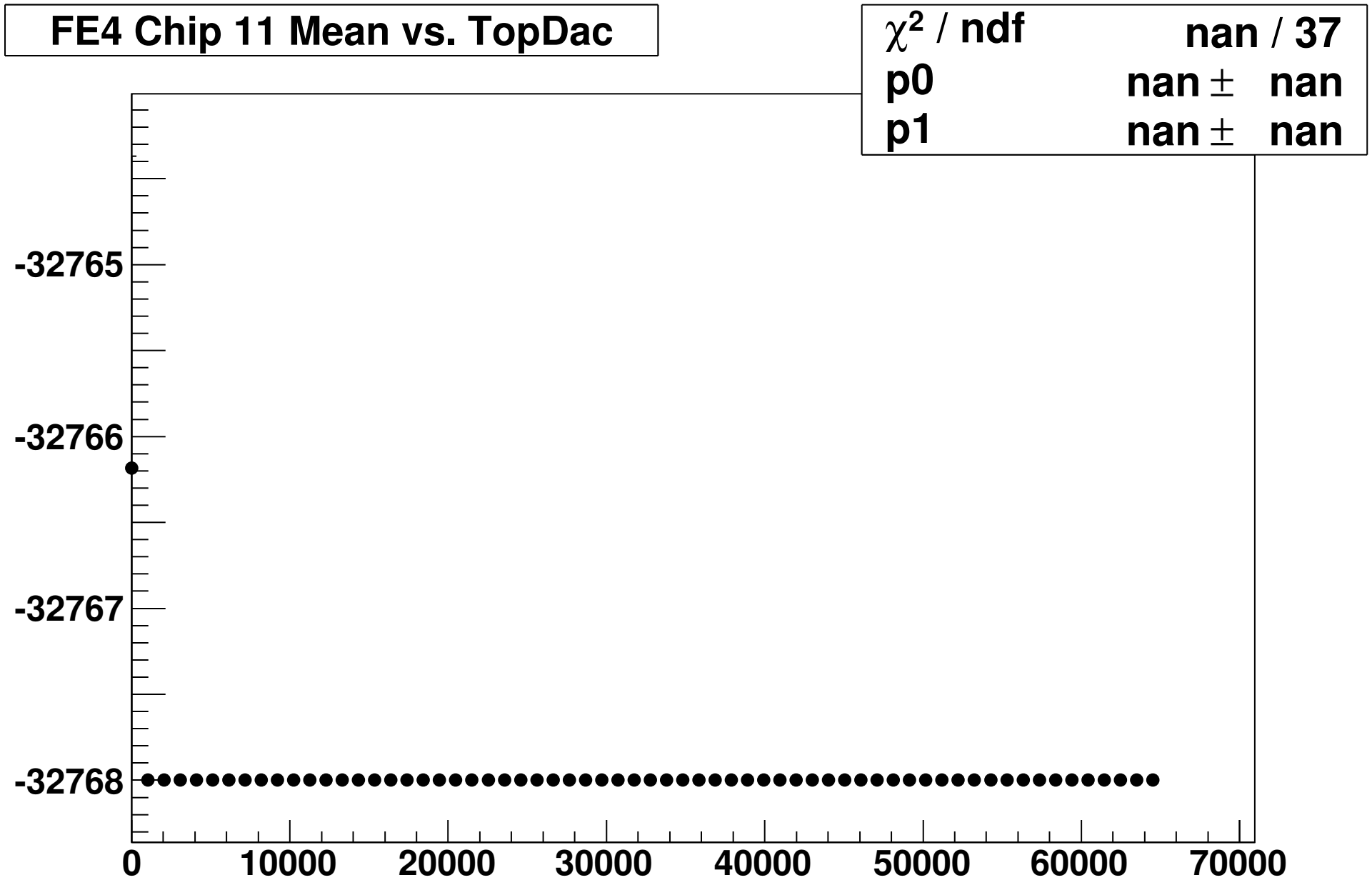
FE4 Chip 11 Mean vs. TopDac
χ² / ndf nan / 37
p0 nan ± nan
p1 nan ± nan
-32765
-32766
-32767
-32768
0
10000
20000
30000
40000
50000
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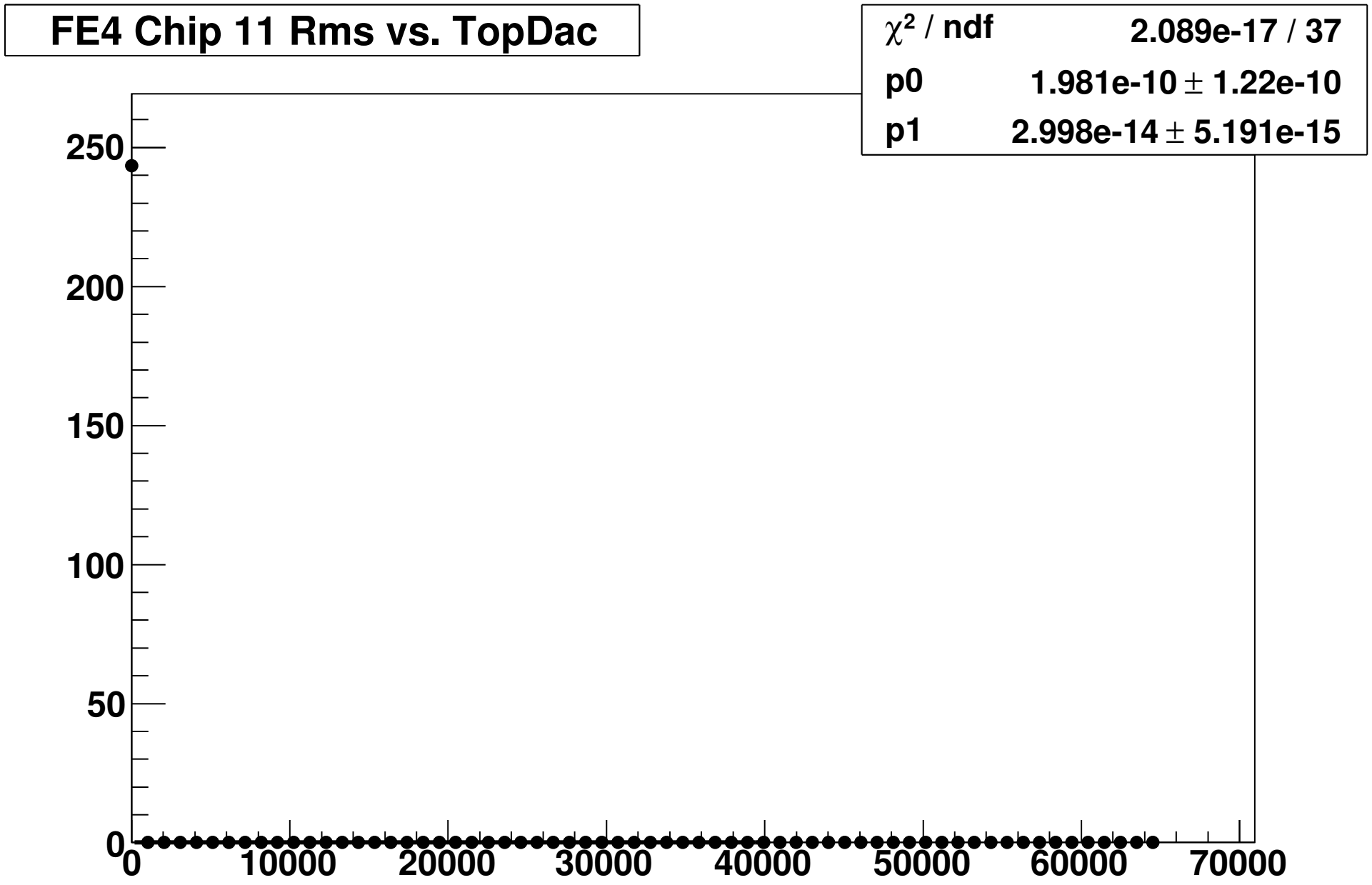
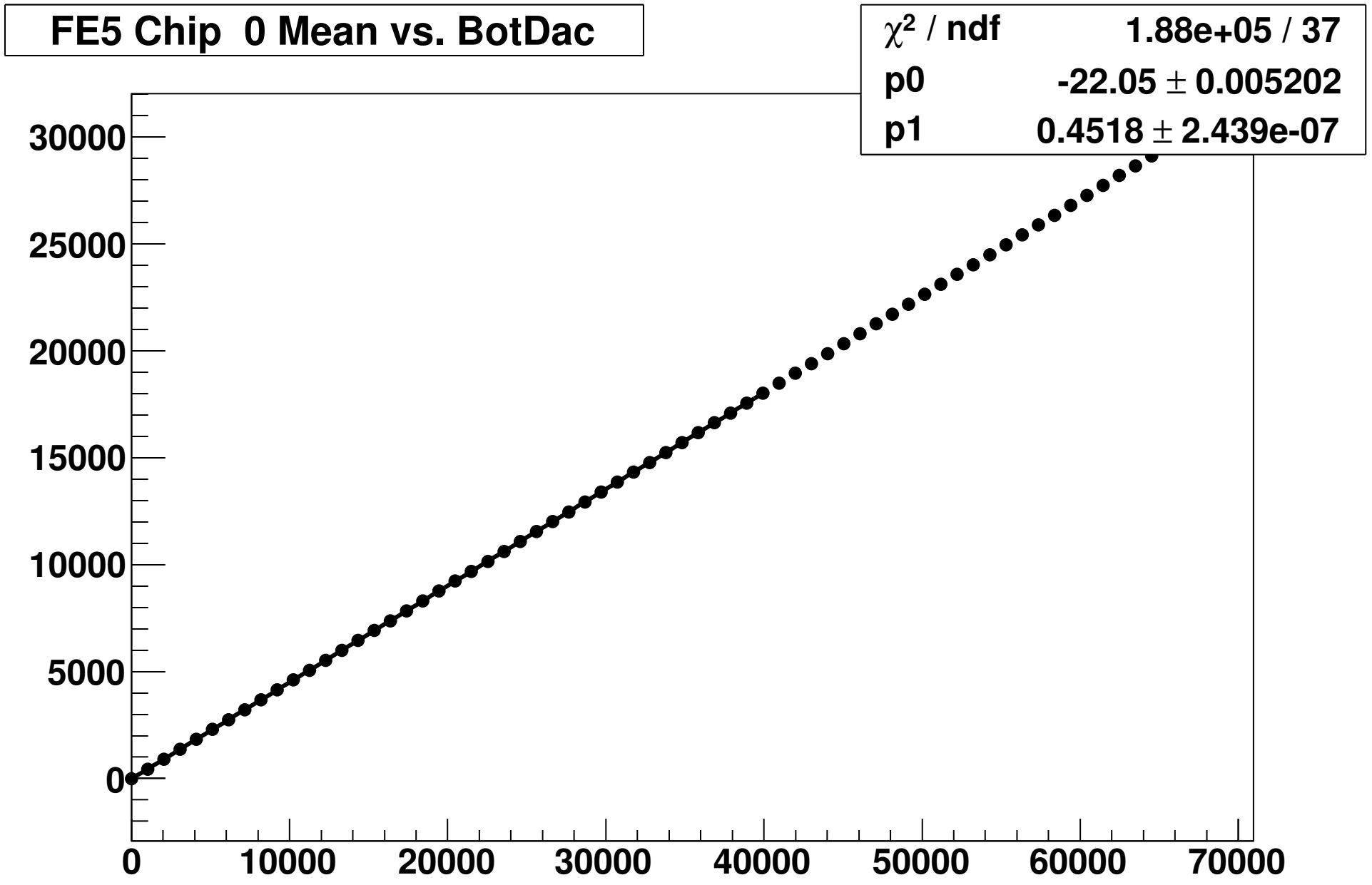
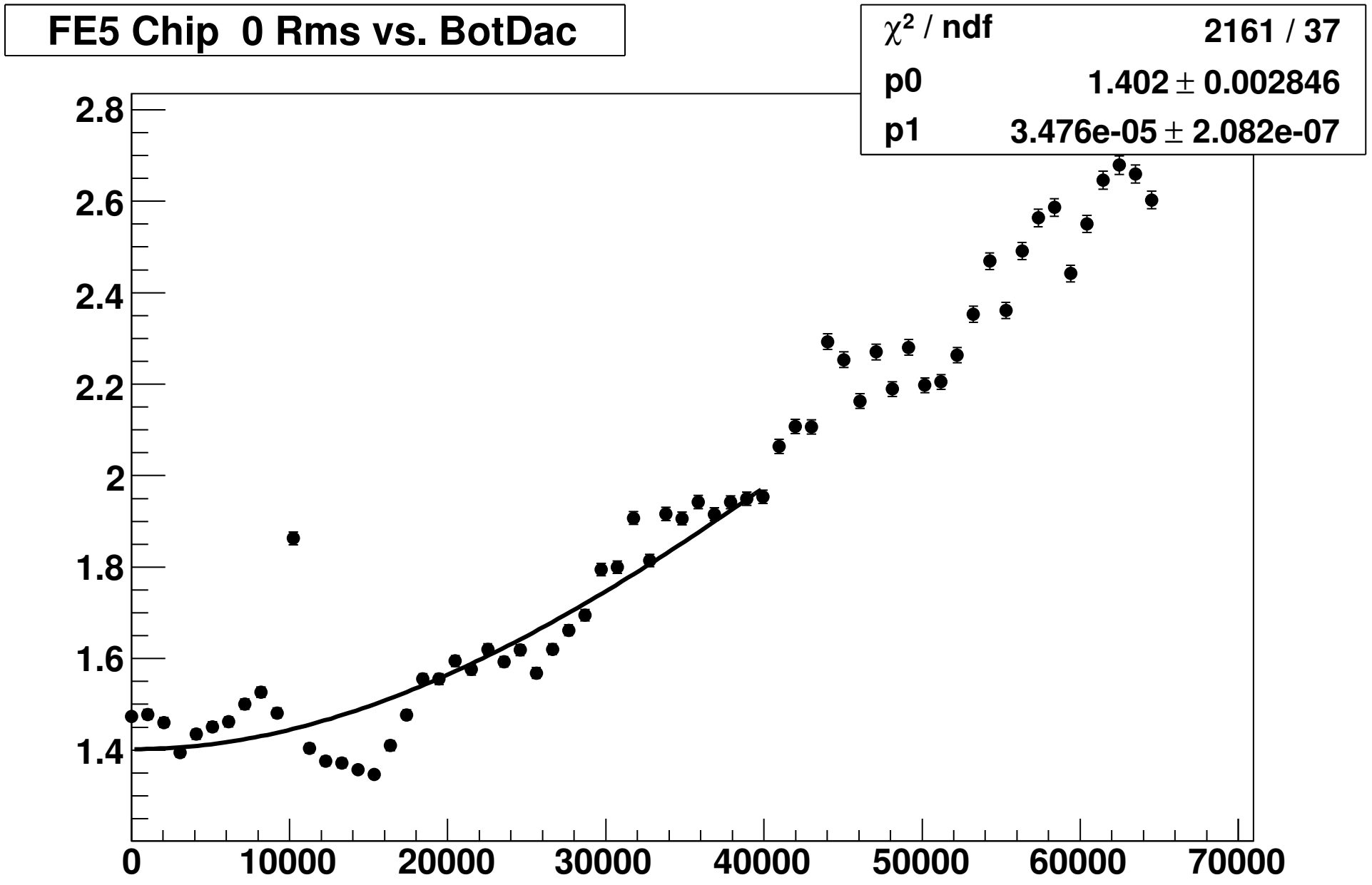

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 2.089e-17 / 37
p0 1.981e-10 ± 1.22e-10
p1 2.998e-14 ± 5.191e-15
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.88e+05 / 37
p0 -22.05 ± 0.005202
p1 0.4518 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 2161 / 37
p0 1.402 ± 0.002846
p1 3.476e-05 ± 2.082e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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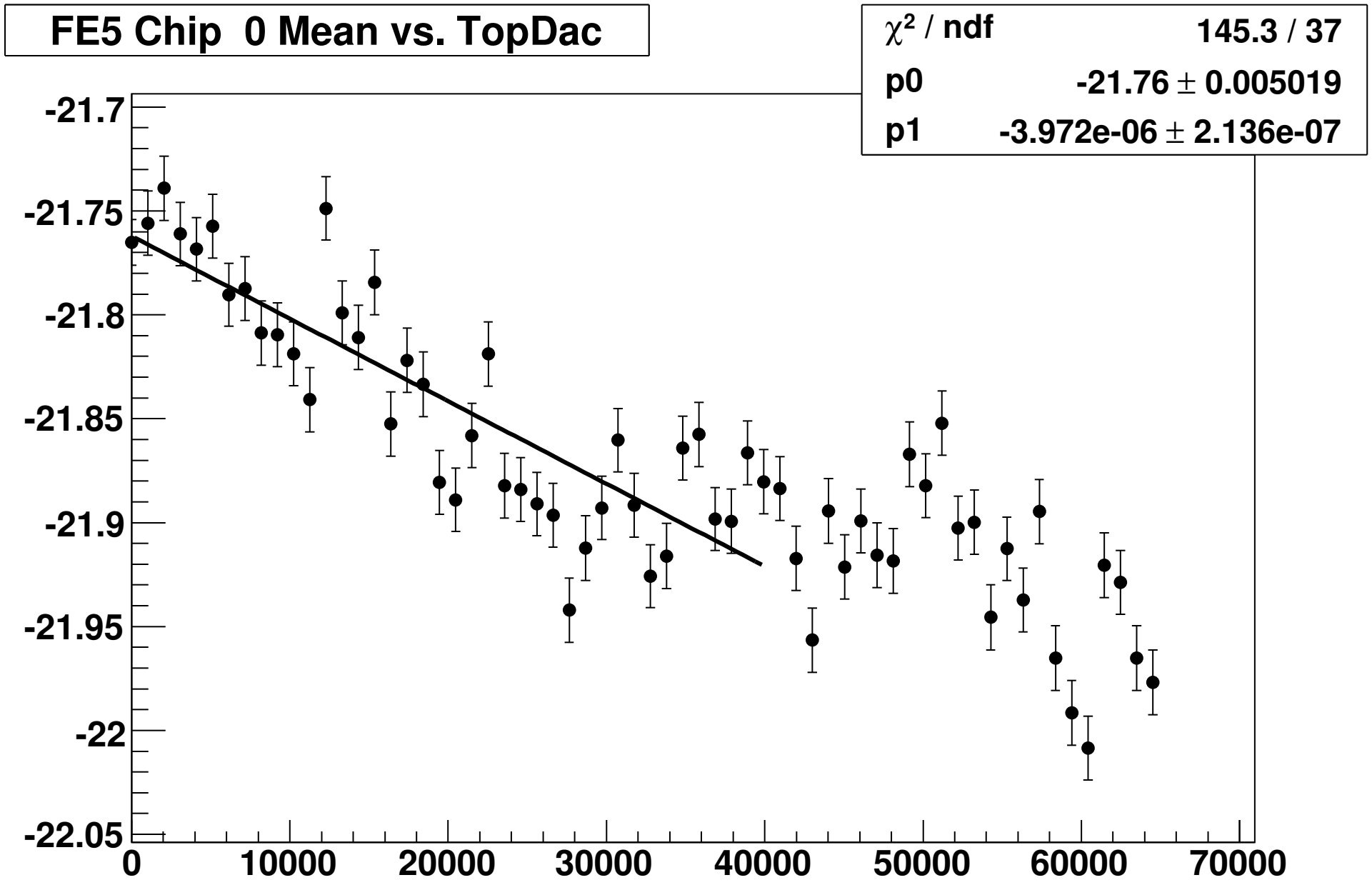
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 145.3 / 37
p0 -21.76 ± 0.005019
p1 -3.972e-06 ± 2.136e-07
-21.7
-21.75
-21.8
-21.85
-21.9
-21.95
-22
-22.05
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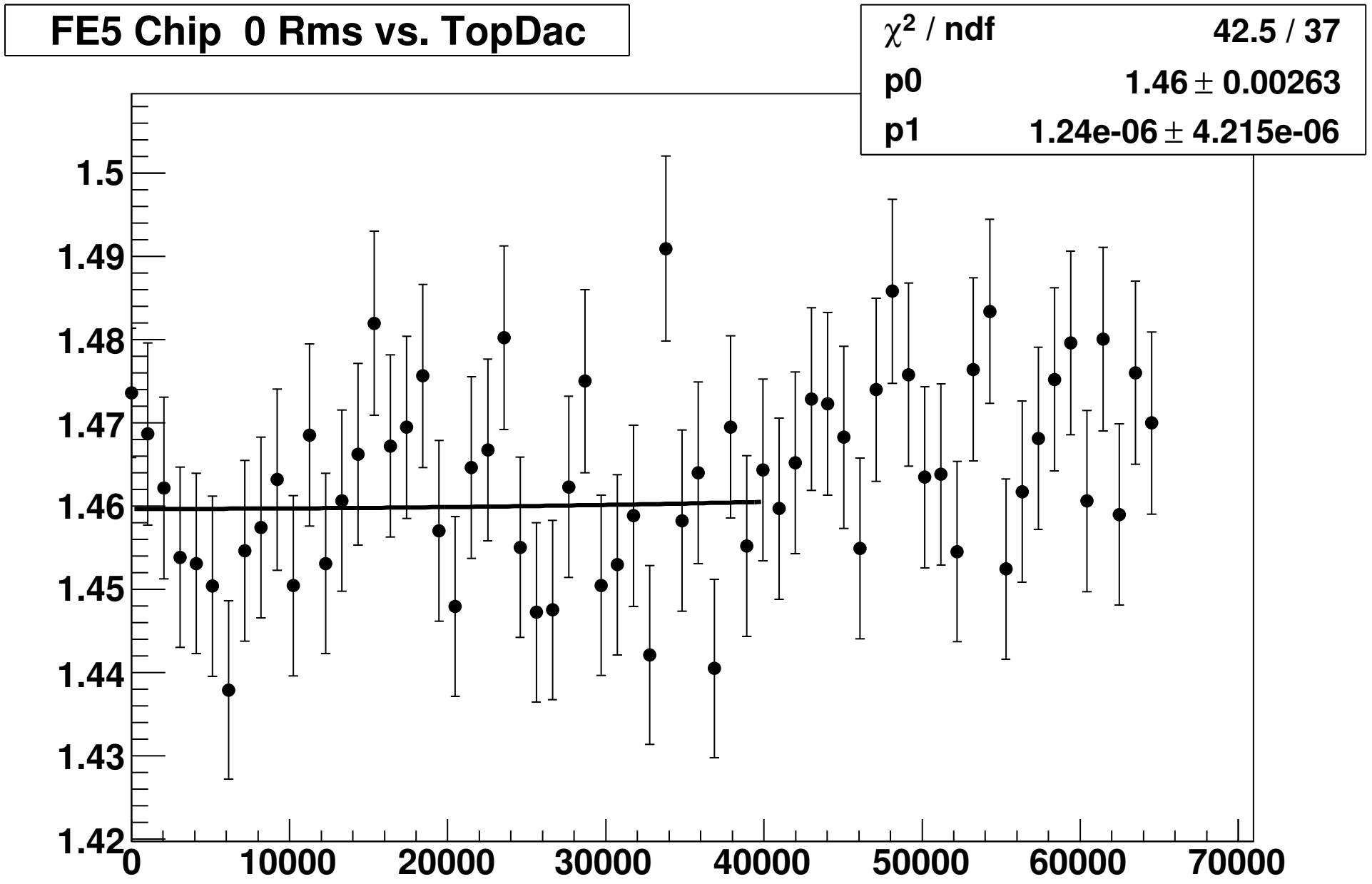
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 42.5 / 37
p0 1.46 ± 0.00263
p1 1.24e-06 ± 4.215e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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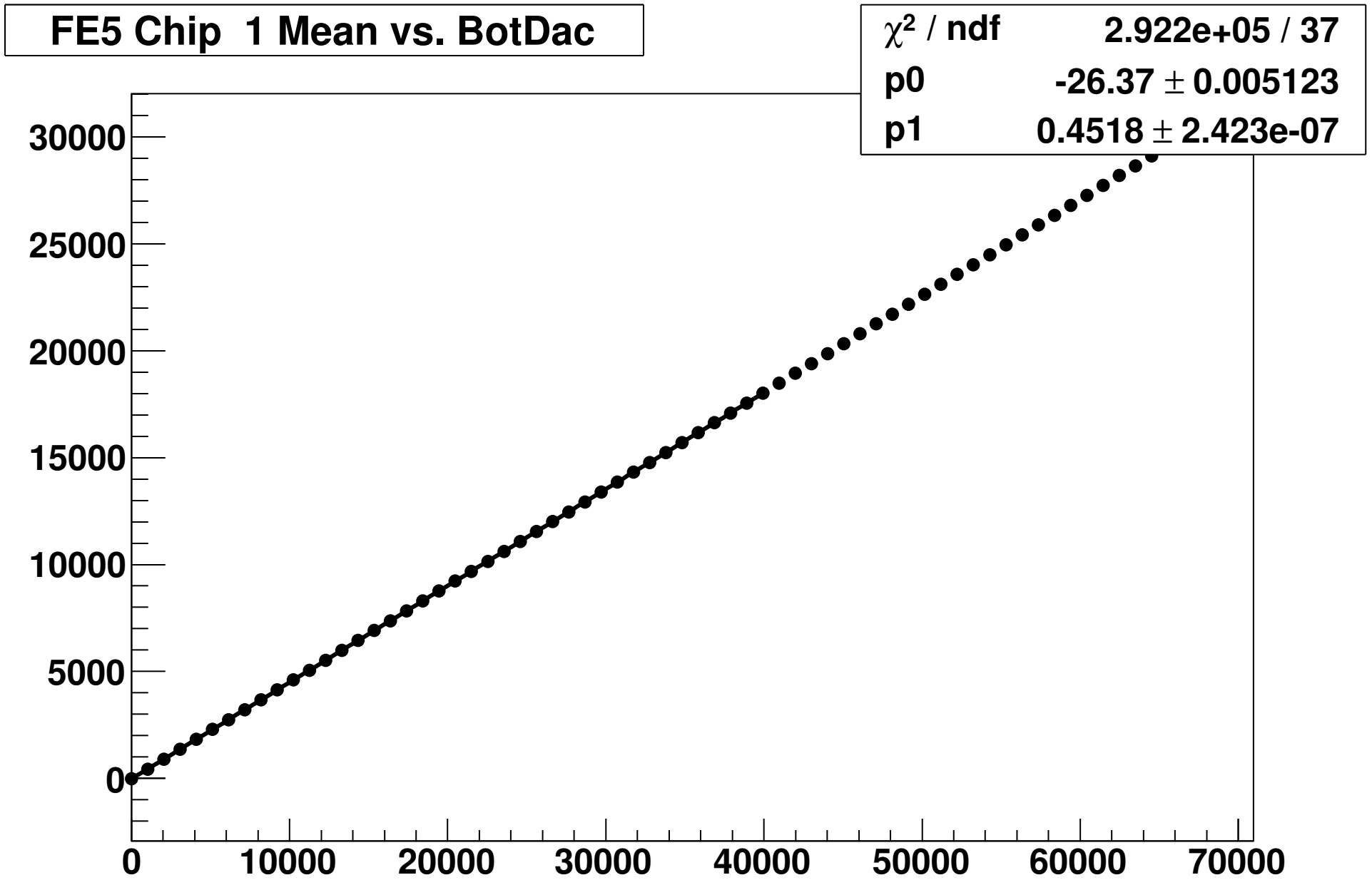
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 2.922e+05 / 37
p0 -26.37 ± 0.005123
p1 0.4518 ± 2.423e-07
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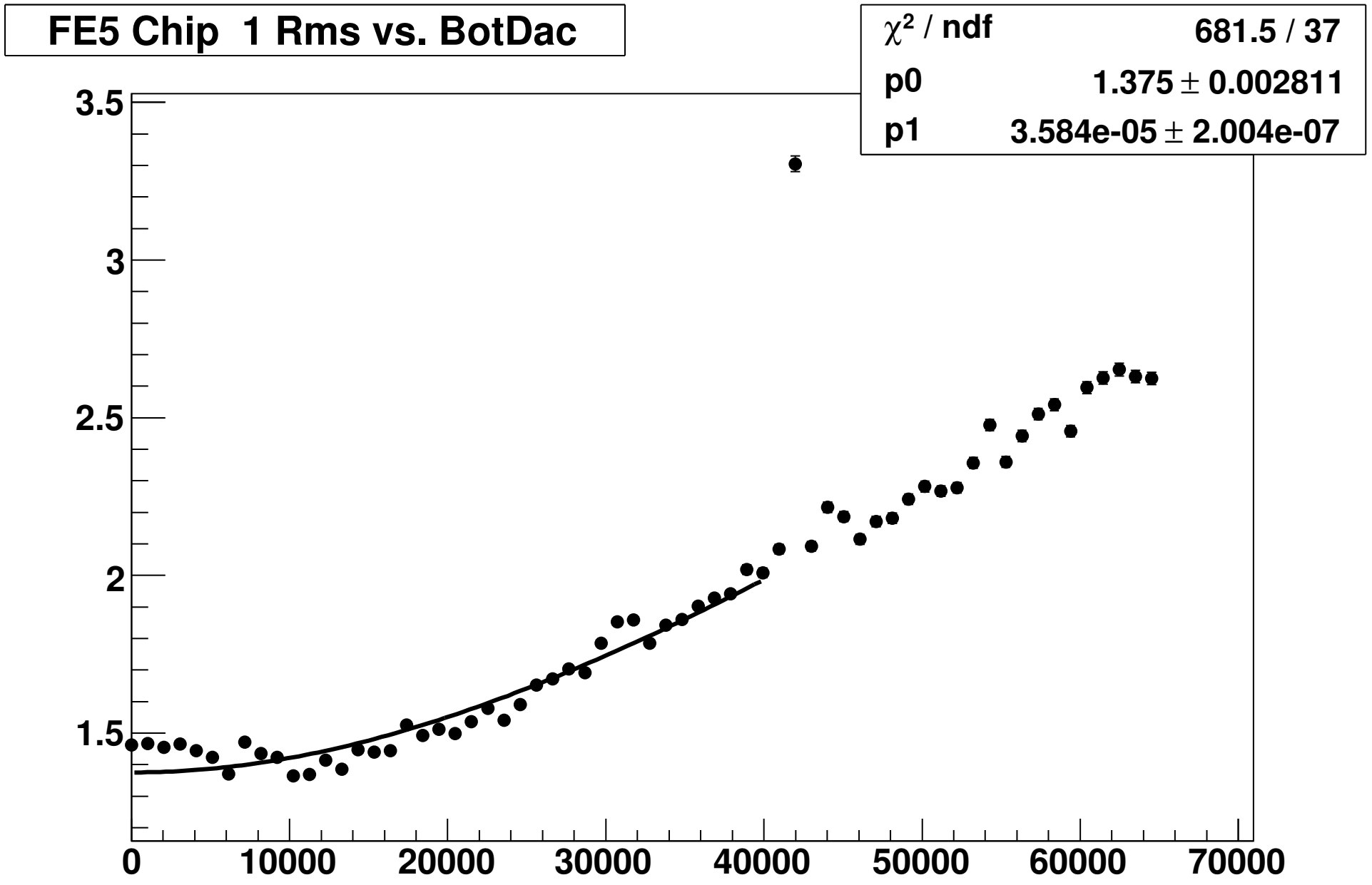
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 681.5 / 37
p0 1.375 ± 0.002811
p1 3.584e-05 ± 2.004e-07
3.5
3
2.5
2
1.5
0
10000
20000
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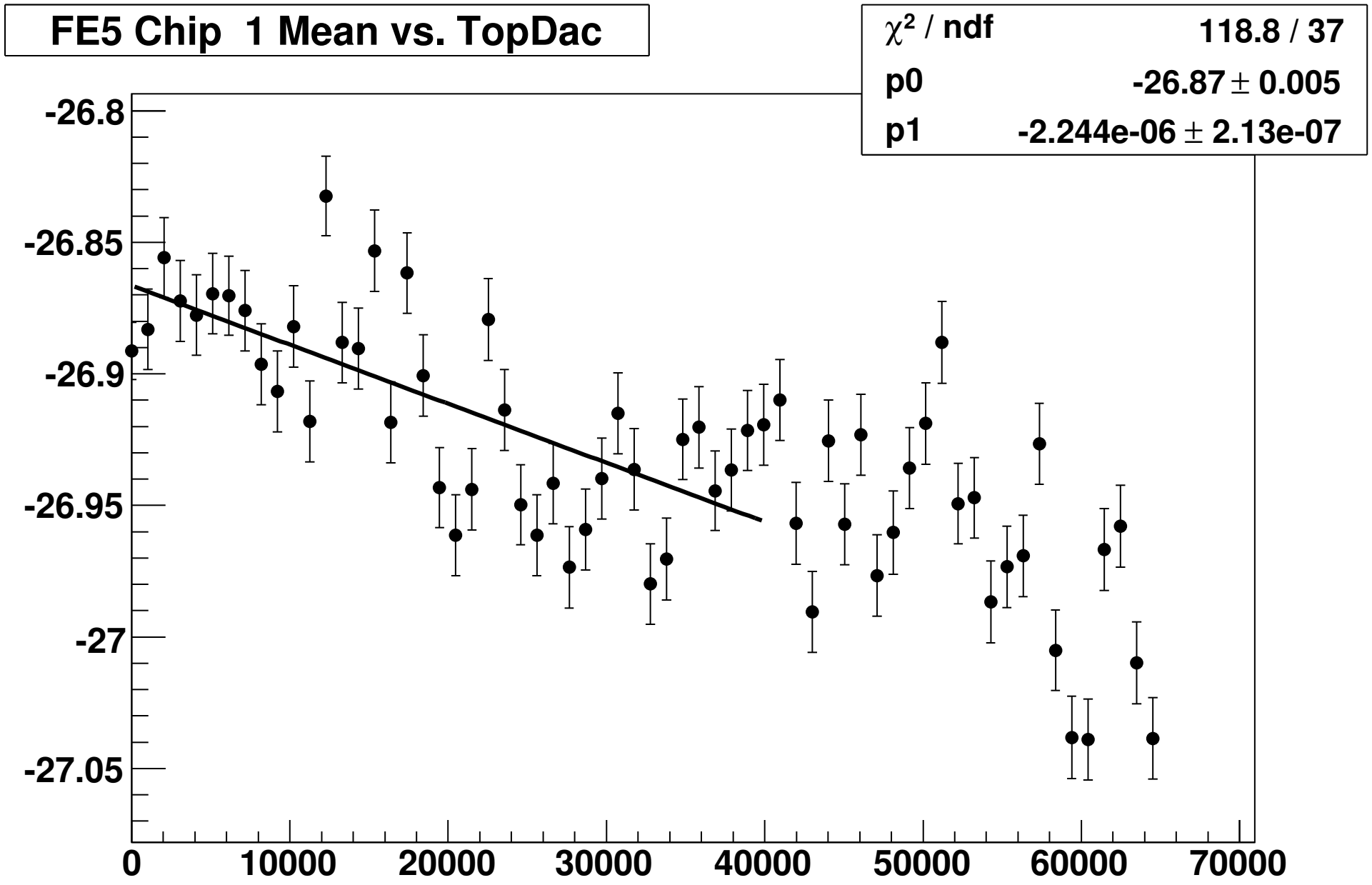
FE5 Chip 1 Mean vs. TopDac
χ² / ndf 118.8 / 37
p0 -26.87 ± 0.005
p1 -2.244e-06 ± 2.13e-07
-26.8
-26.85
-26.9
-26.95
-27
-27.05
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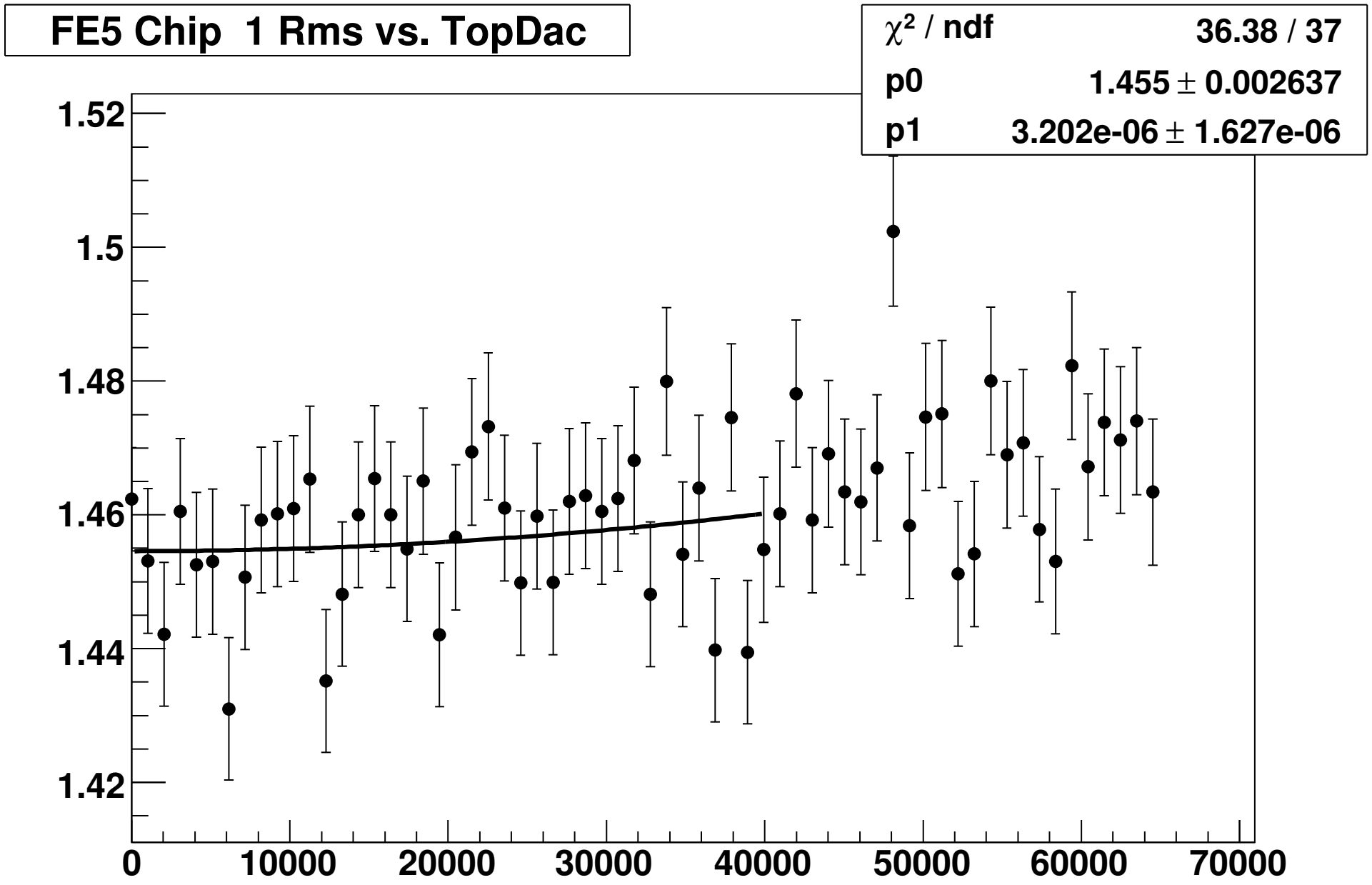
FE5 Chip 1 Rms vs. TopDac
χ² / ndf 36.38 / 37
p0 1.455 ± 0.002637
p1 3.202e-06 ± 1.627e-06
1.52
1.5
1.48
1.46
1.44
1.42
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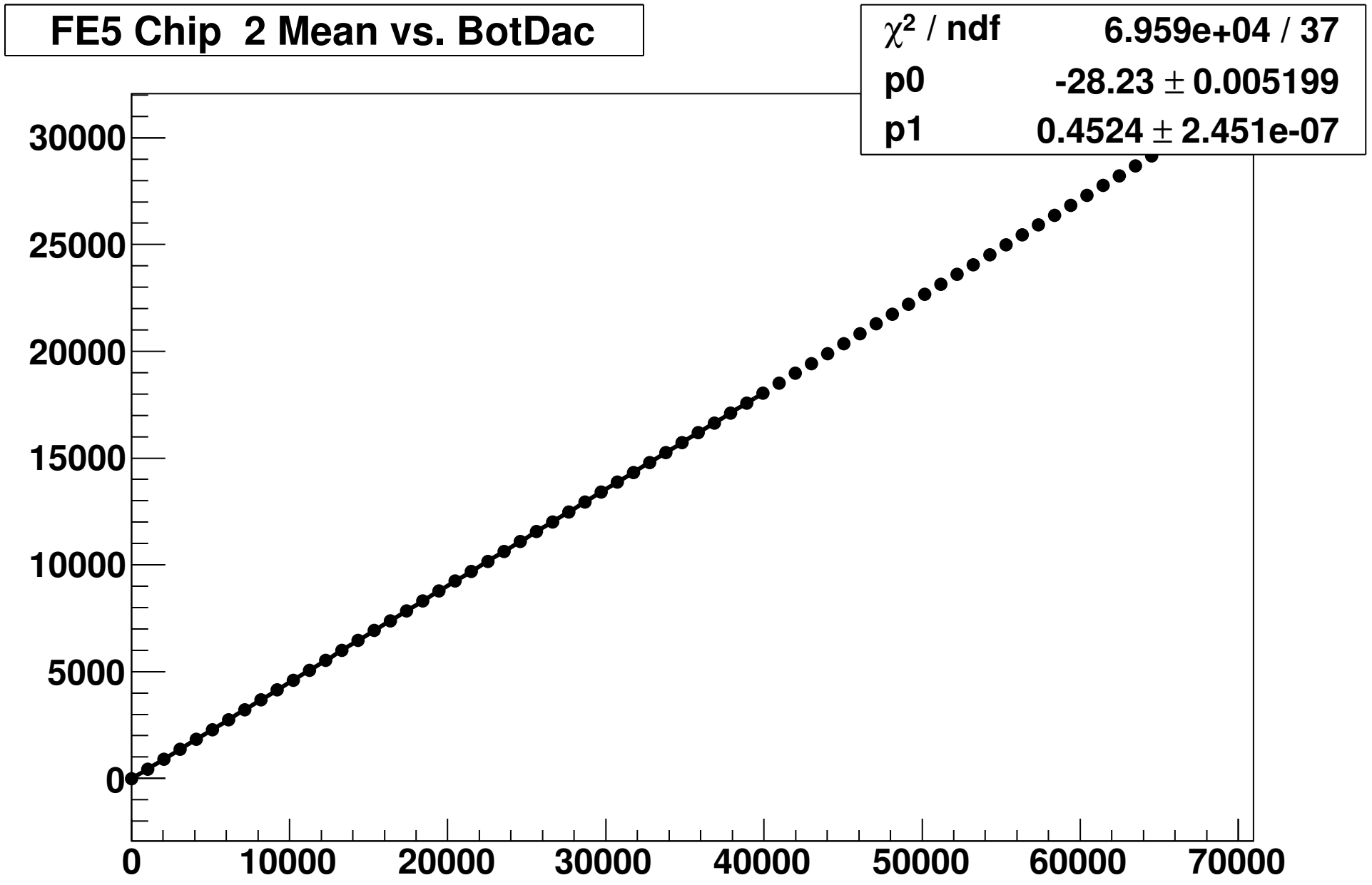
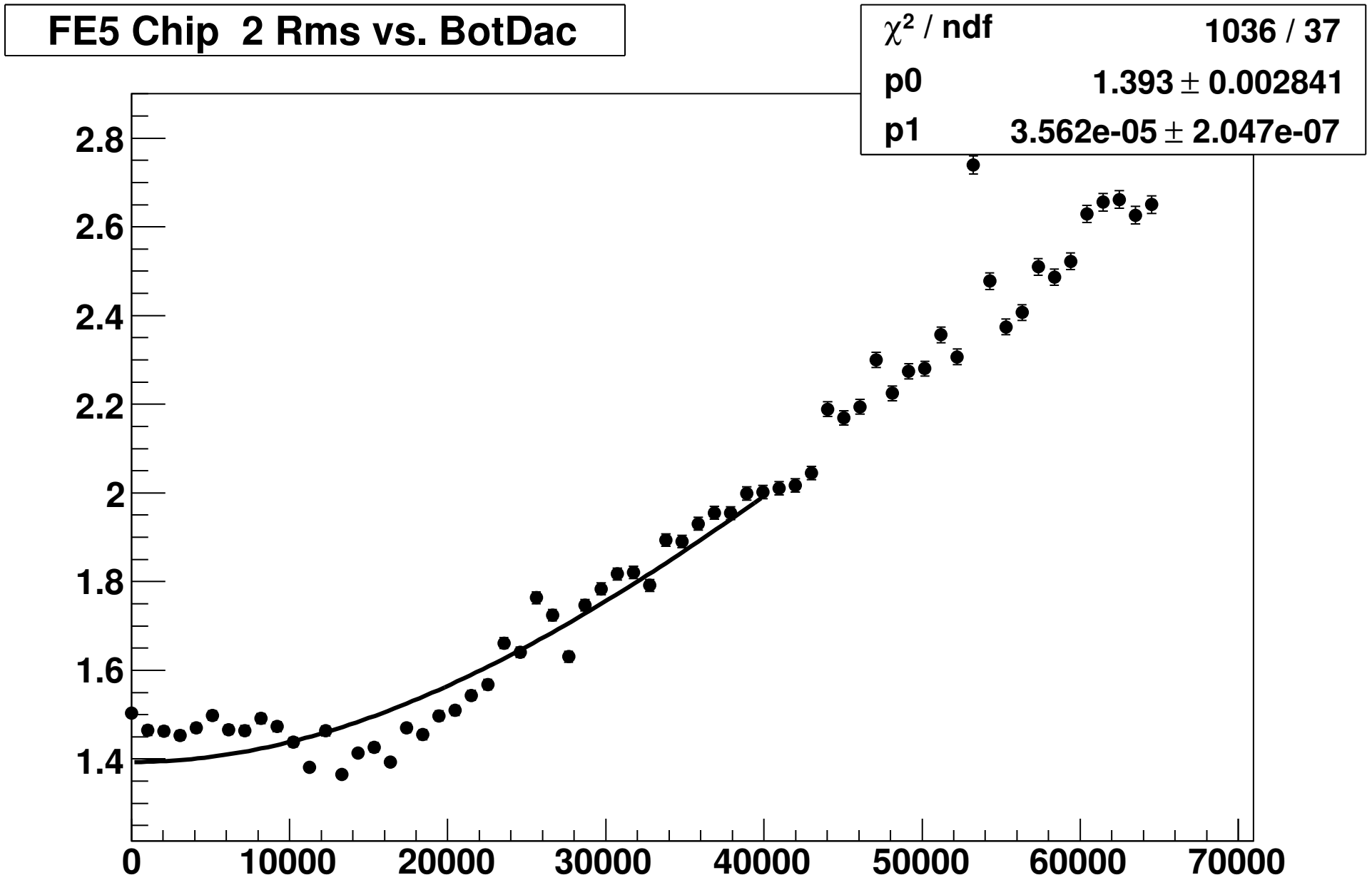

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 6.959e+04 / 37
p0 -28.23 ± 0.005199
p1 0.4524 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1036 / 37
p0 1.393 ± 0.002841
p1 3.562e-05 ± 2.047e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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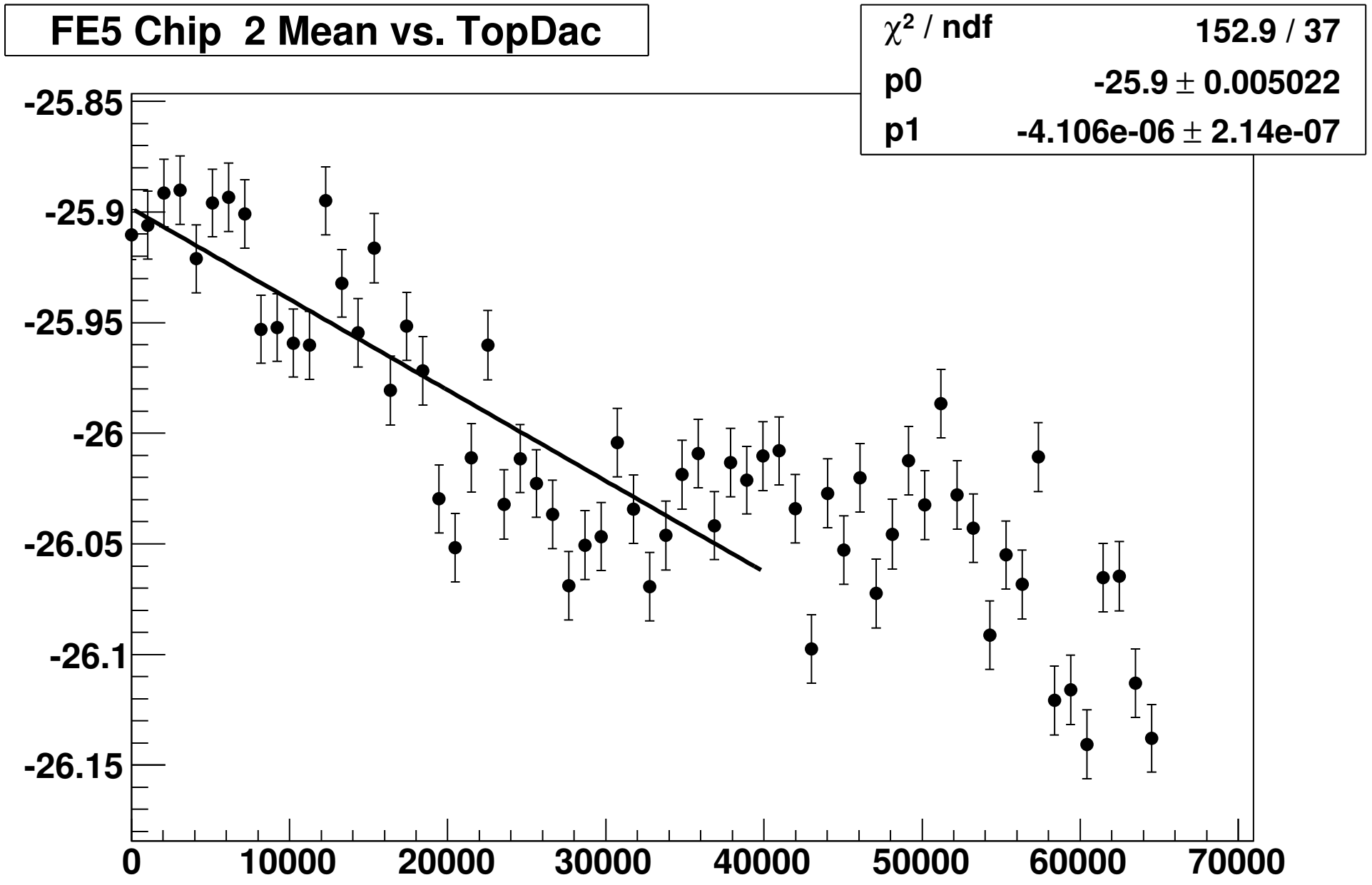
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 152.9 / 37
p0 -25.9 ± 0.005022
p1 -4.106e-06 ± 2.14e-07
-25.85
-25.9
-25.95
-26
-26.05
-26.1
-26.15
0
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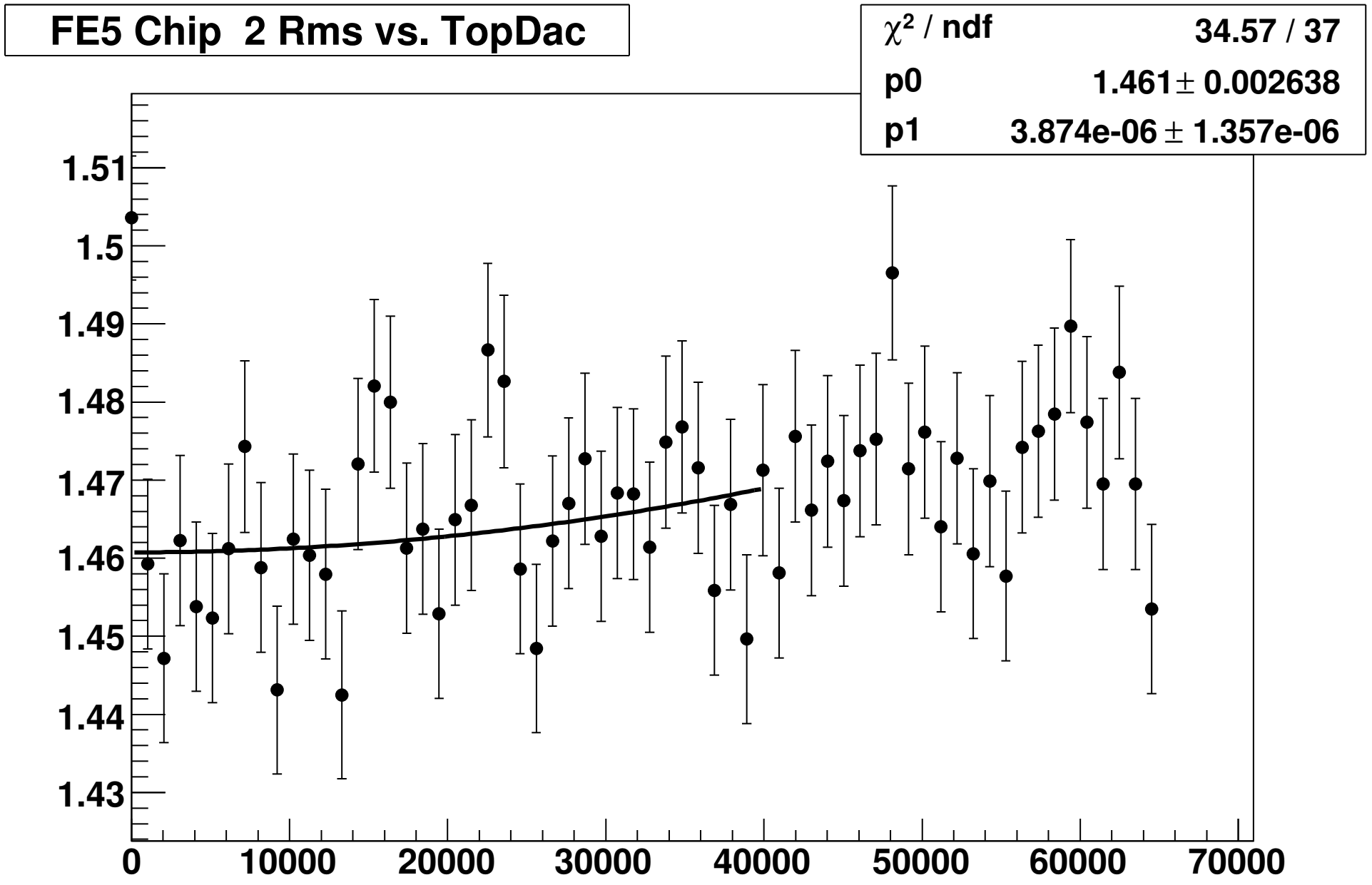
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 34.57 / 37
p0 1.461 ± 0.002638
p1 3.874e-06 ± 1.357e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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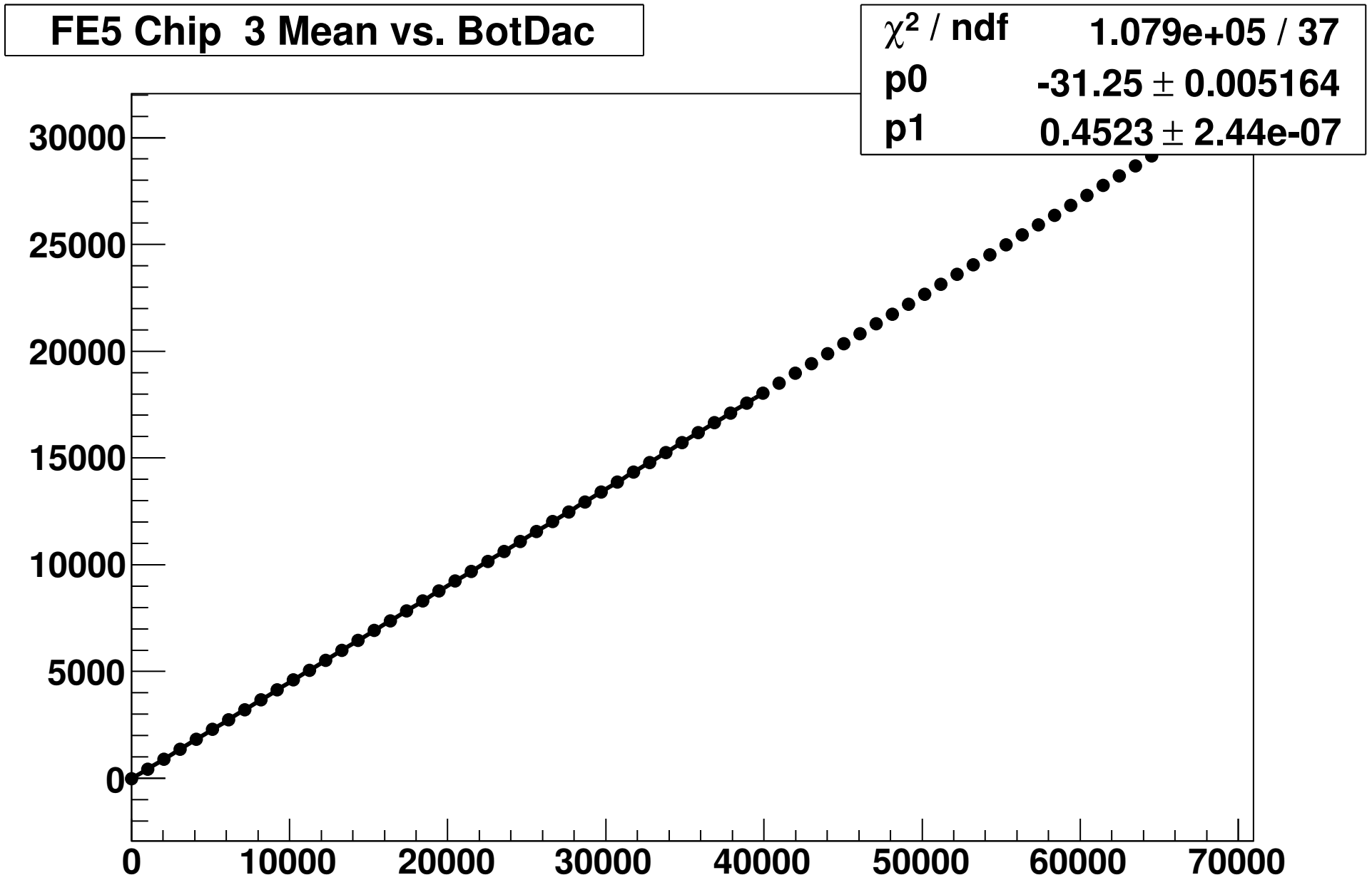
50000
60000
70000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.079e+05 / 37
p0 -31.25 ± 0.005164
p1 0.4523 ± 2.44e-07
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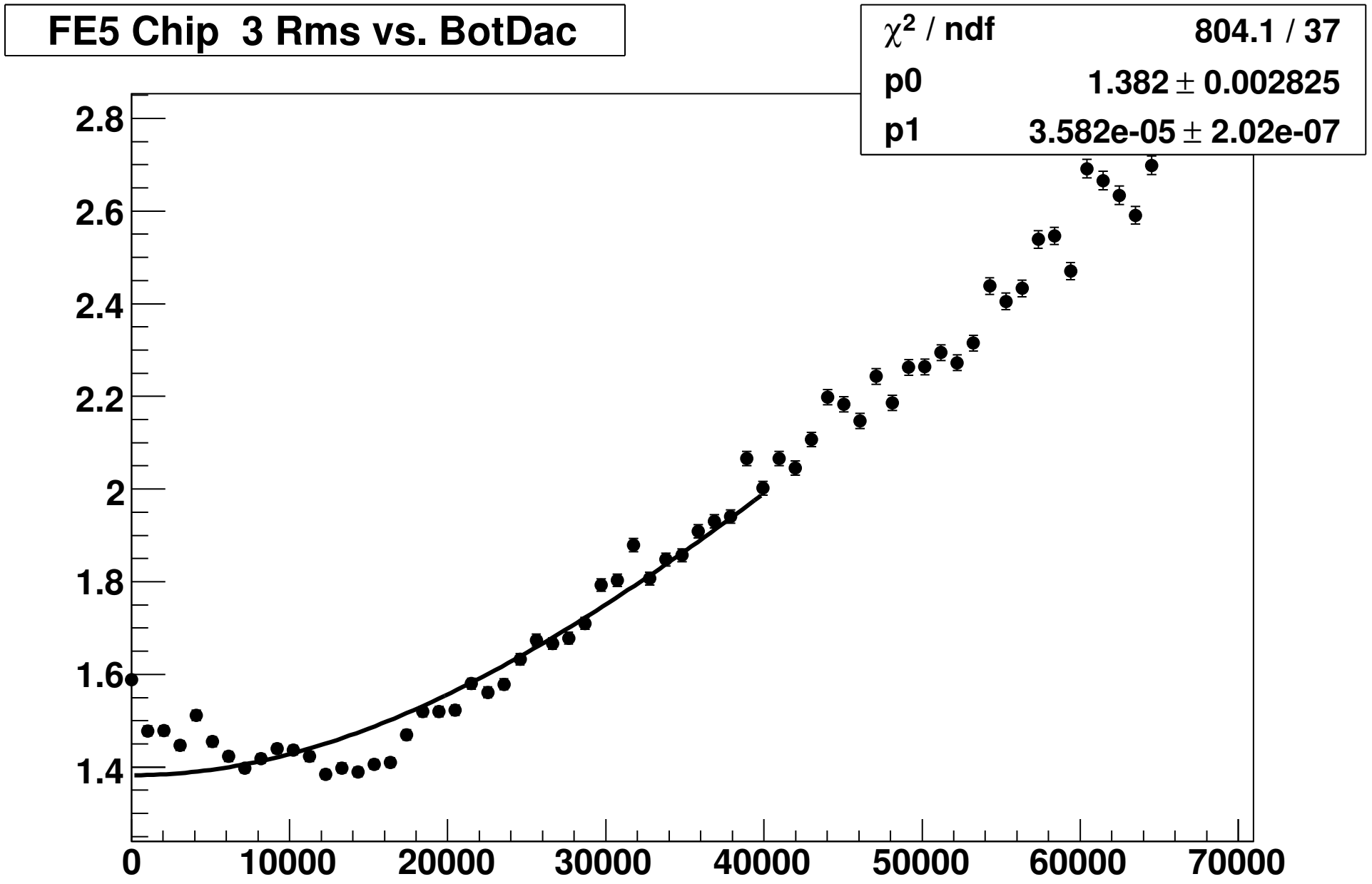
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 804.1 / 37
p0 1.382 ± 0.002825
p1 3.582e-05 ± 2.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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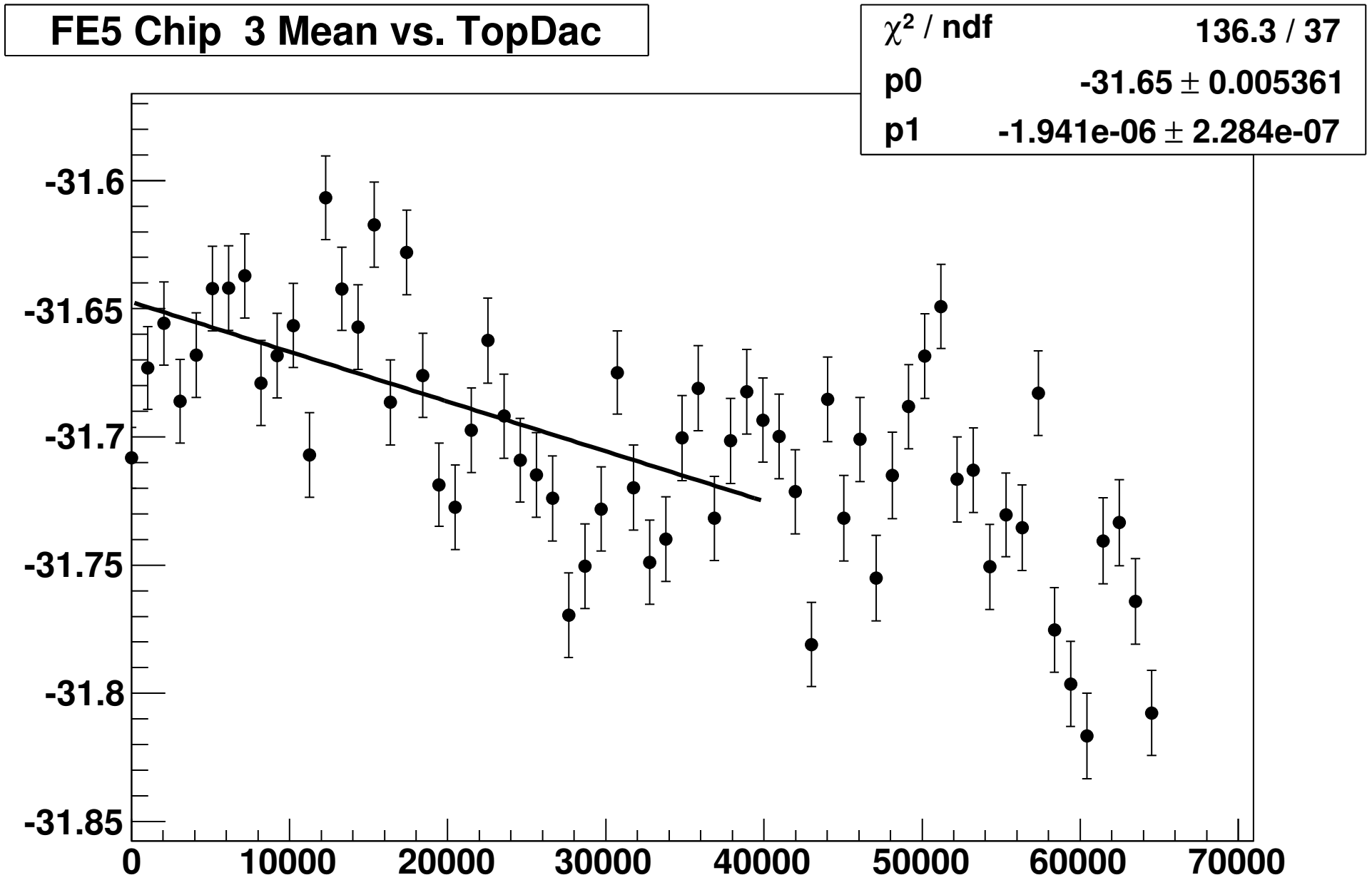
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 136.3 / 37
p0 -31.65 ± 0.005361
p1 -1.941e-06 ± 2.284e-07
-31.6
-31.65
-31.7
-31.75
-31.8
-31.85
0
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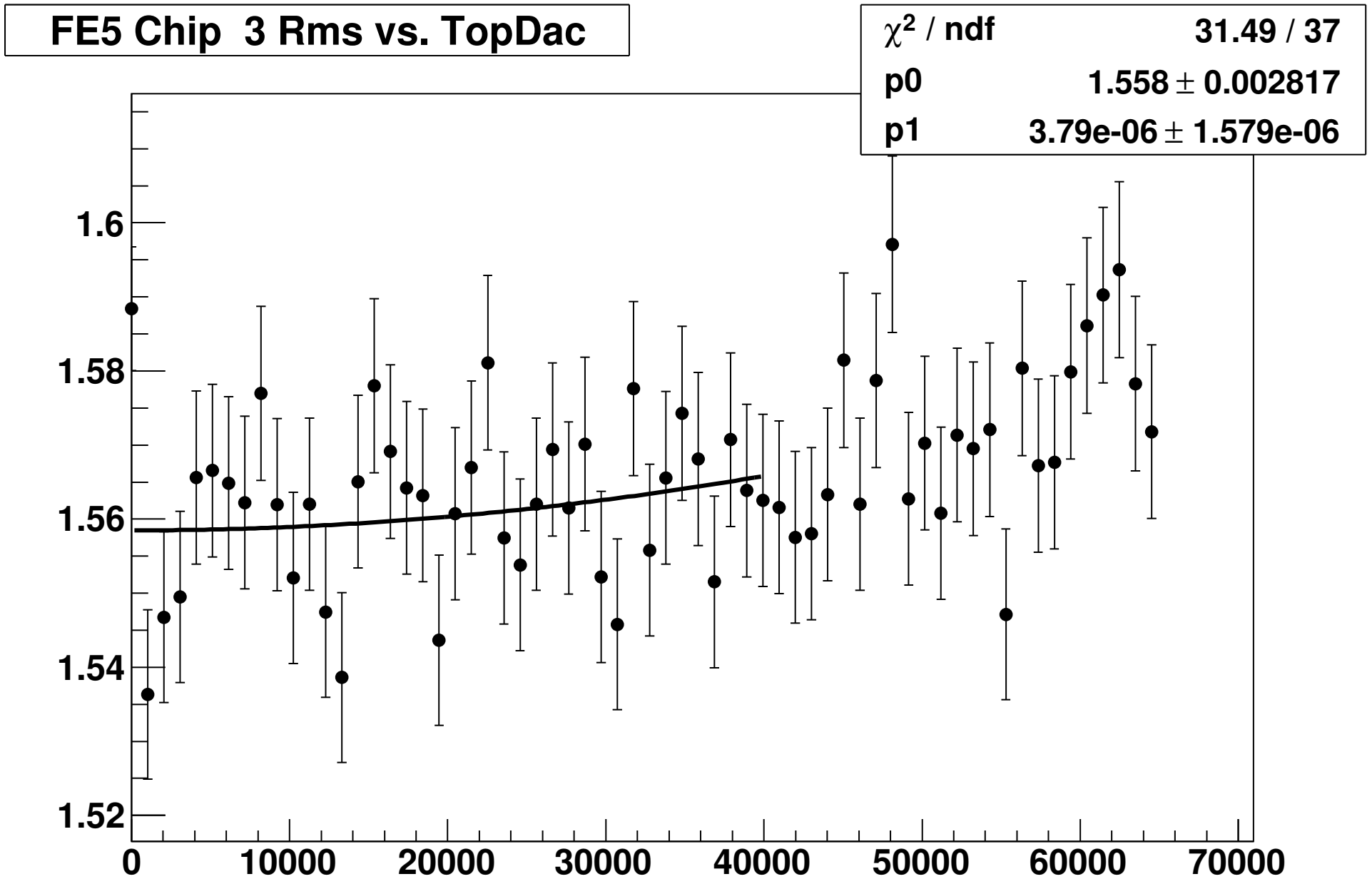
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 31.49 / 37
p0 1.558 ± 0.002817
p1 3.79e-06 ± 1.579e-06
1.6
1.58
1.56
1.54
1.52
0
10000
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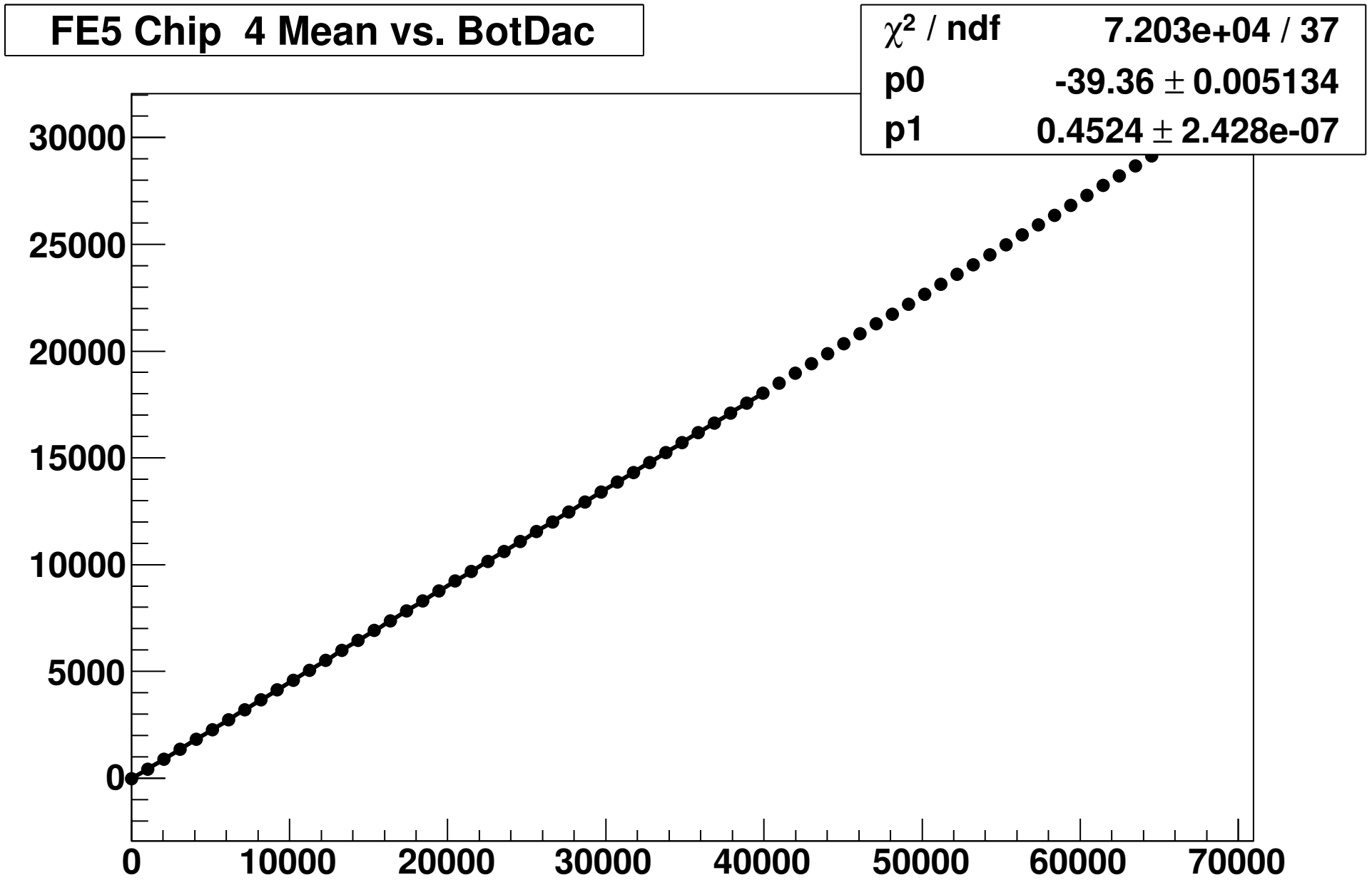
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 7.203e+04 / 37
p0 -39.36 ± 0.005134
p1 0.4524 ± 2.428e-07
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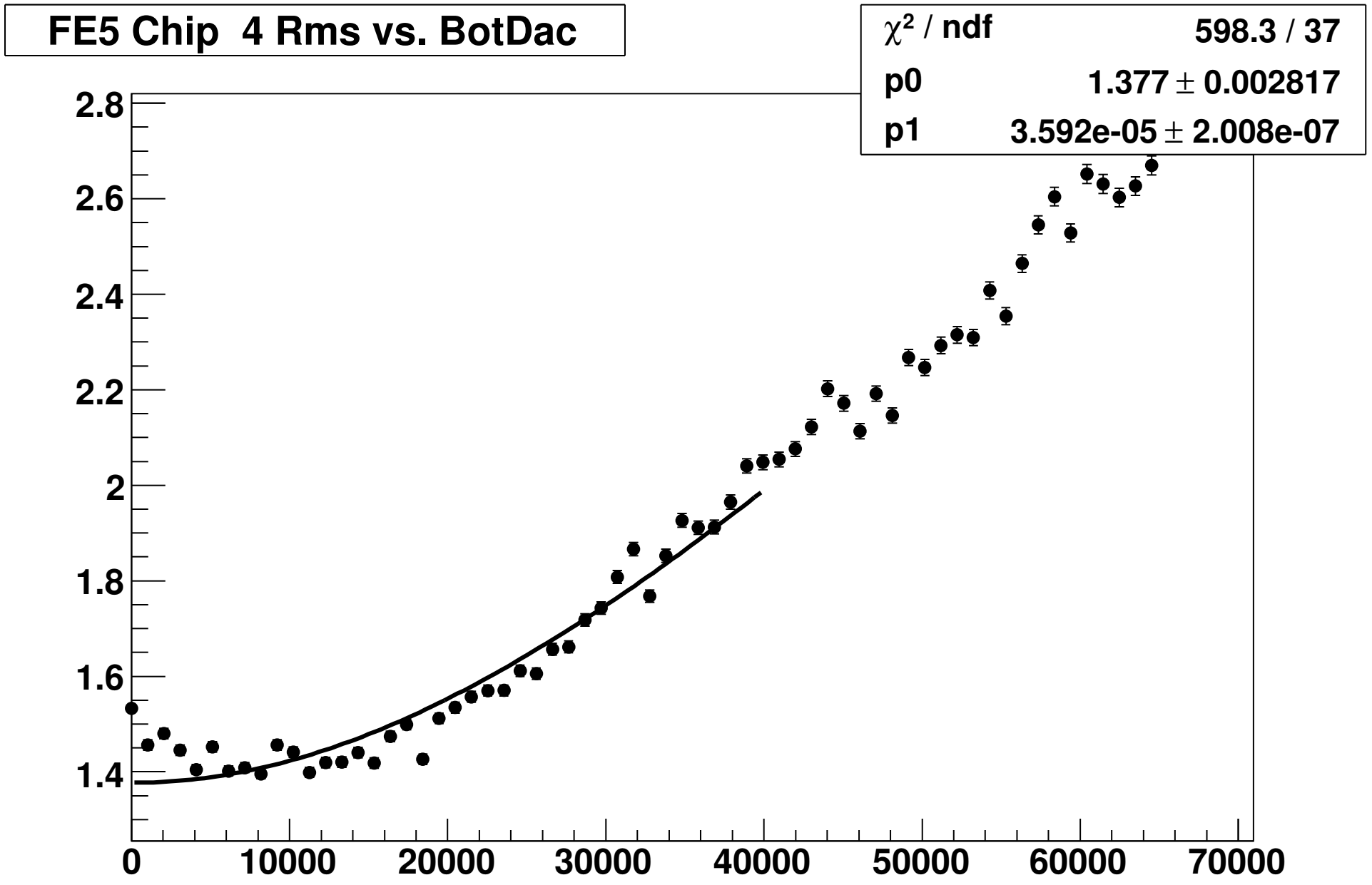
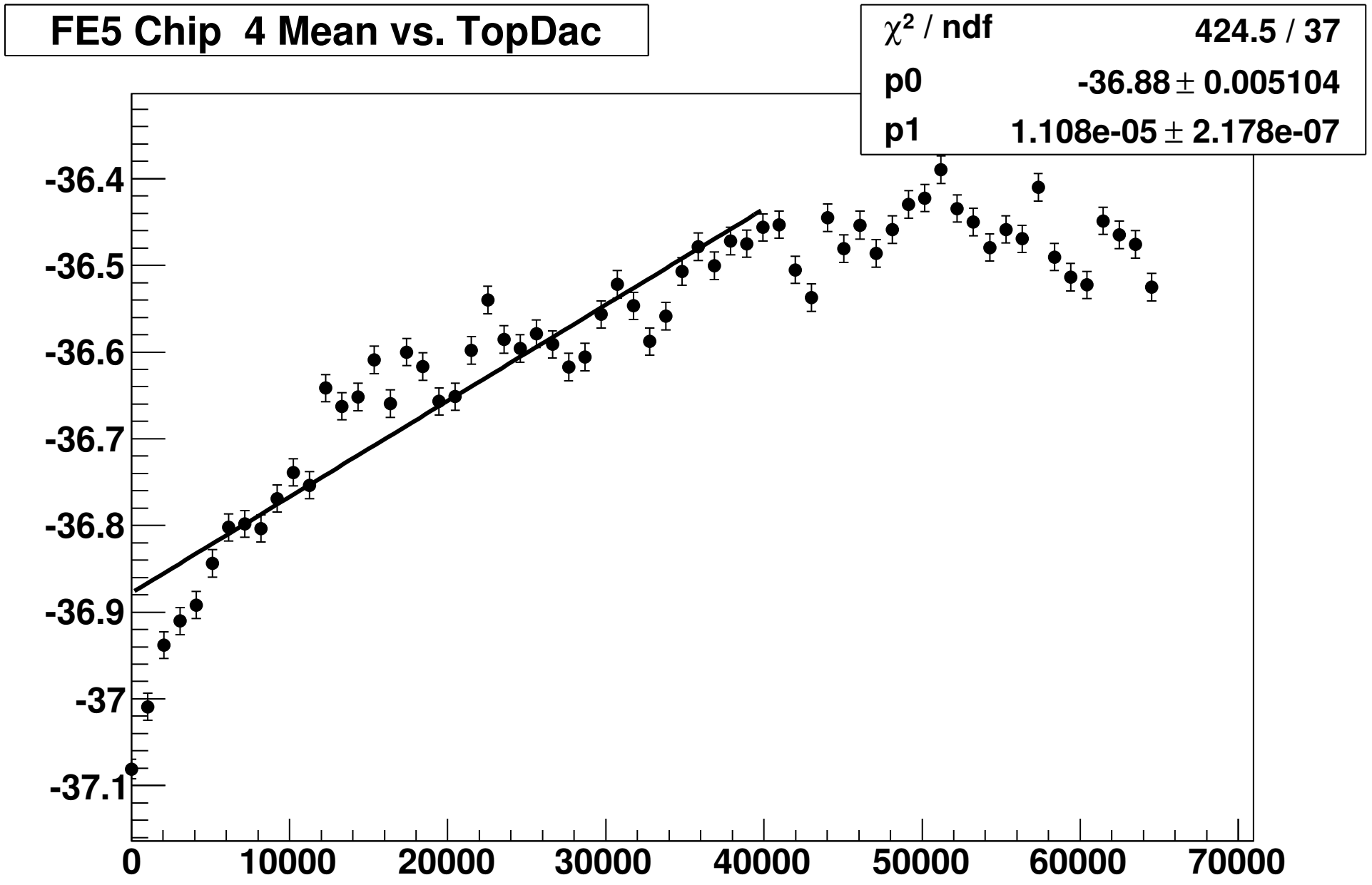
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 598.3 / 37
p0 1.377 ± 0.002817
p1 3.592e-05 ± 2.008e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 424.5 / 37
p0 -36.88 ± 0.005104
p1 1.108e-05 ± 2.178e-07
-36.4
-36.5
-36.6
-36.7
-36.8
-36.9
-37
-37.1
0
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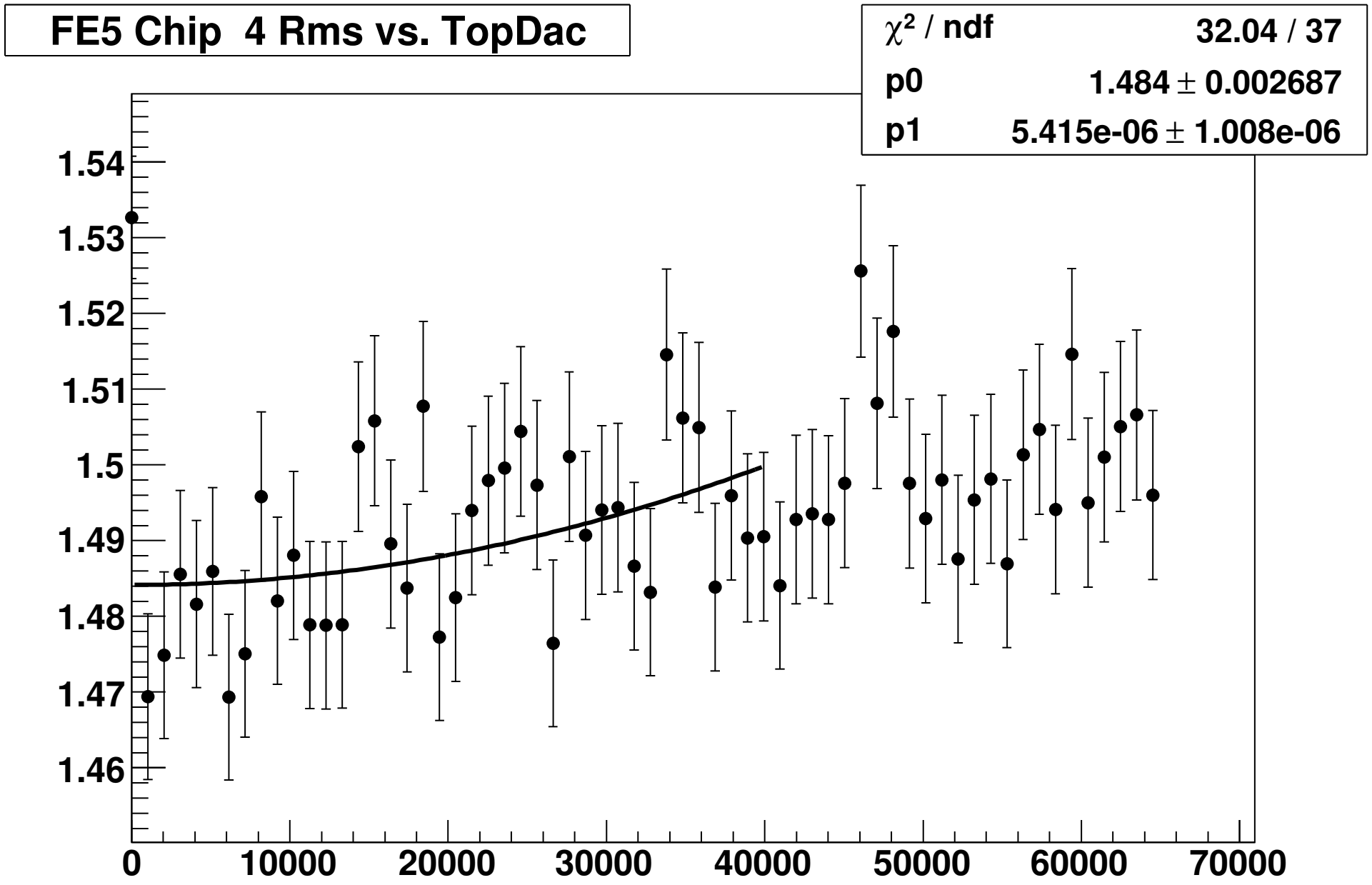
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 32.04 / 37
p0 1.484 ± 0.002687
p1 5.415e-06 ± 1.008e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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50000
60000
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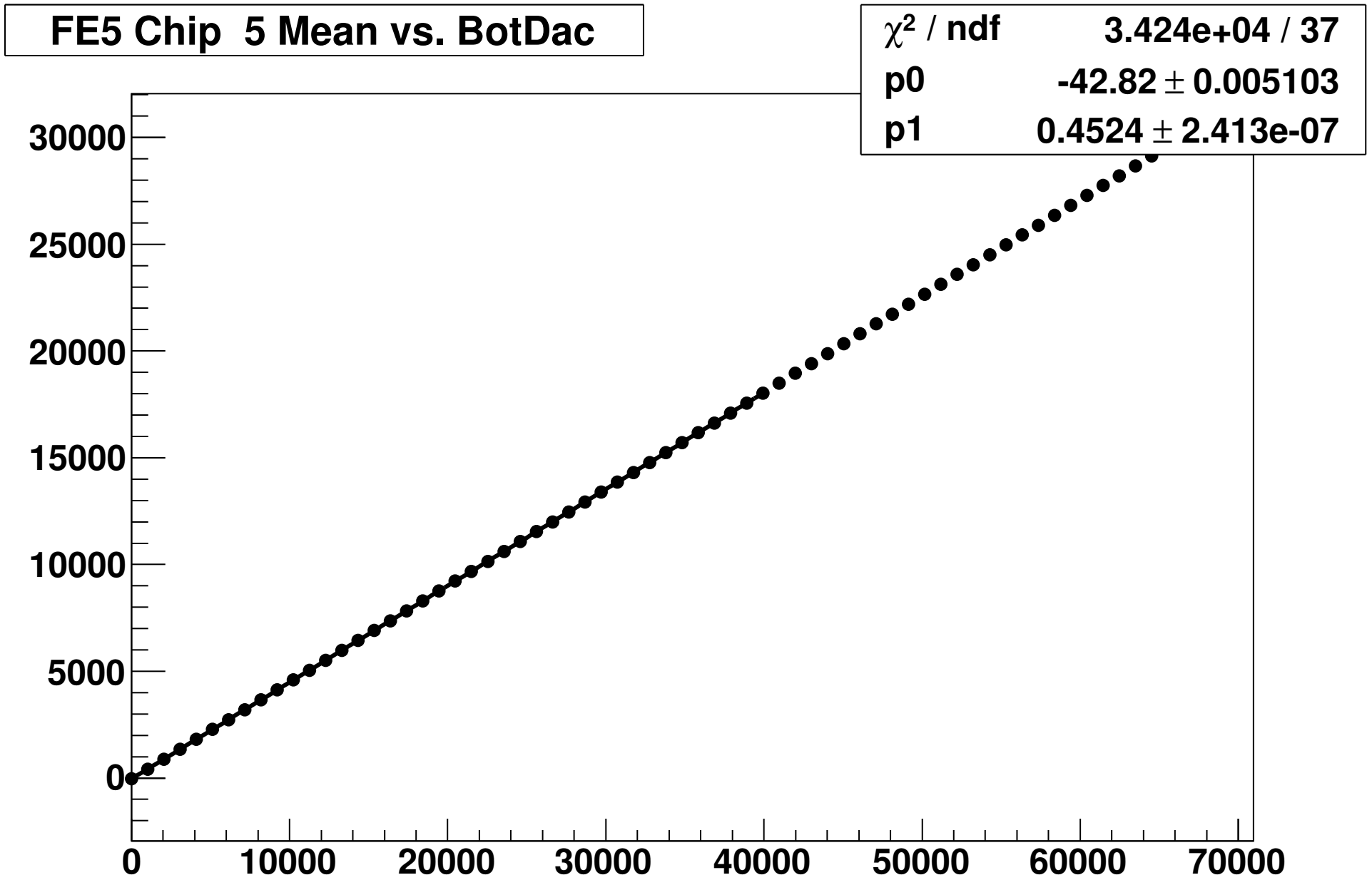
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 3.424e+04 / 37
p0 -42.82 ± 0.005103
p1 0.4524 ± 2.413e-07
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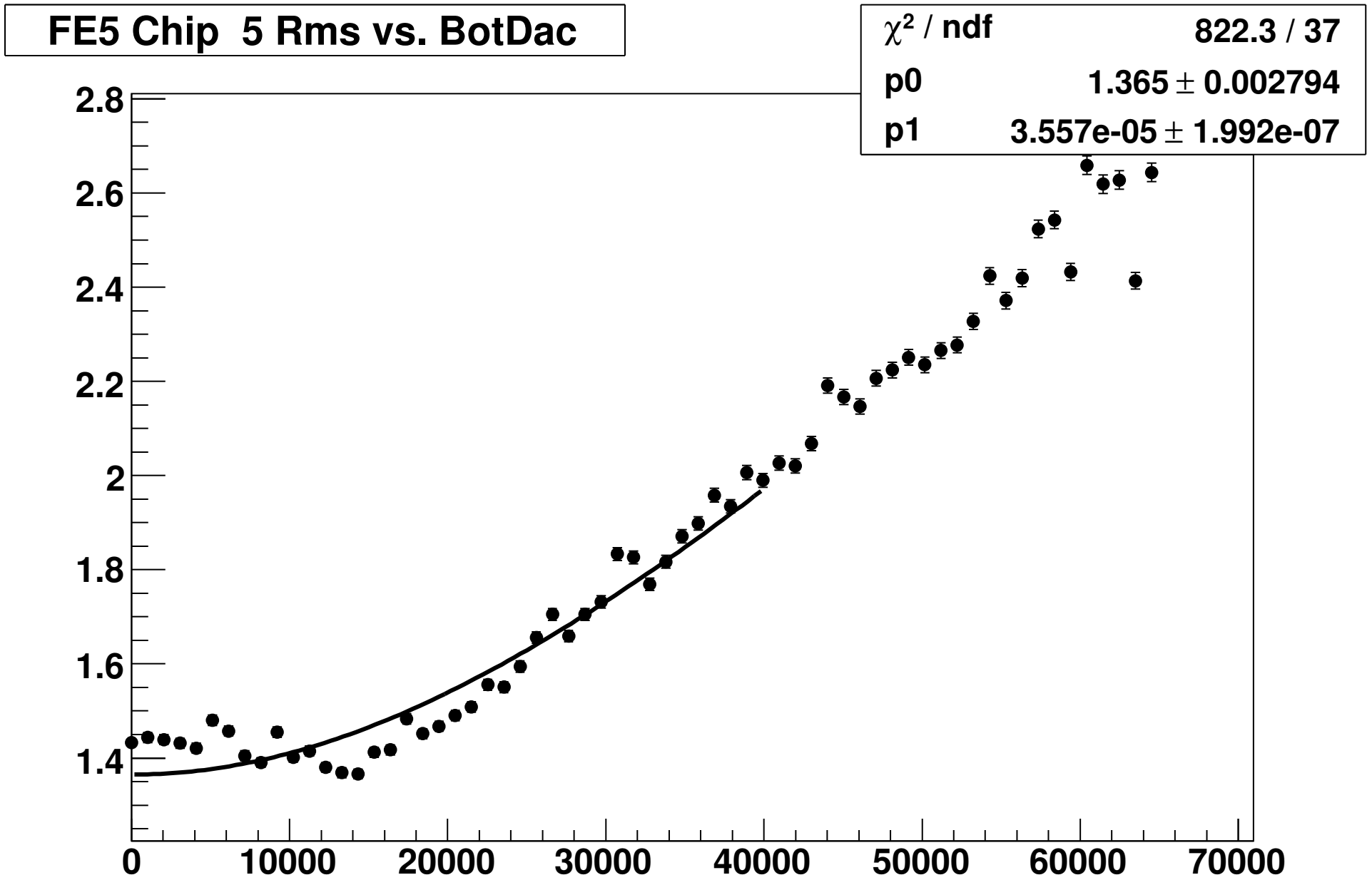
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 822.3 / 37
p0 1.365 ± 0.002794
p1 3.557e-05 ± 1.992e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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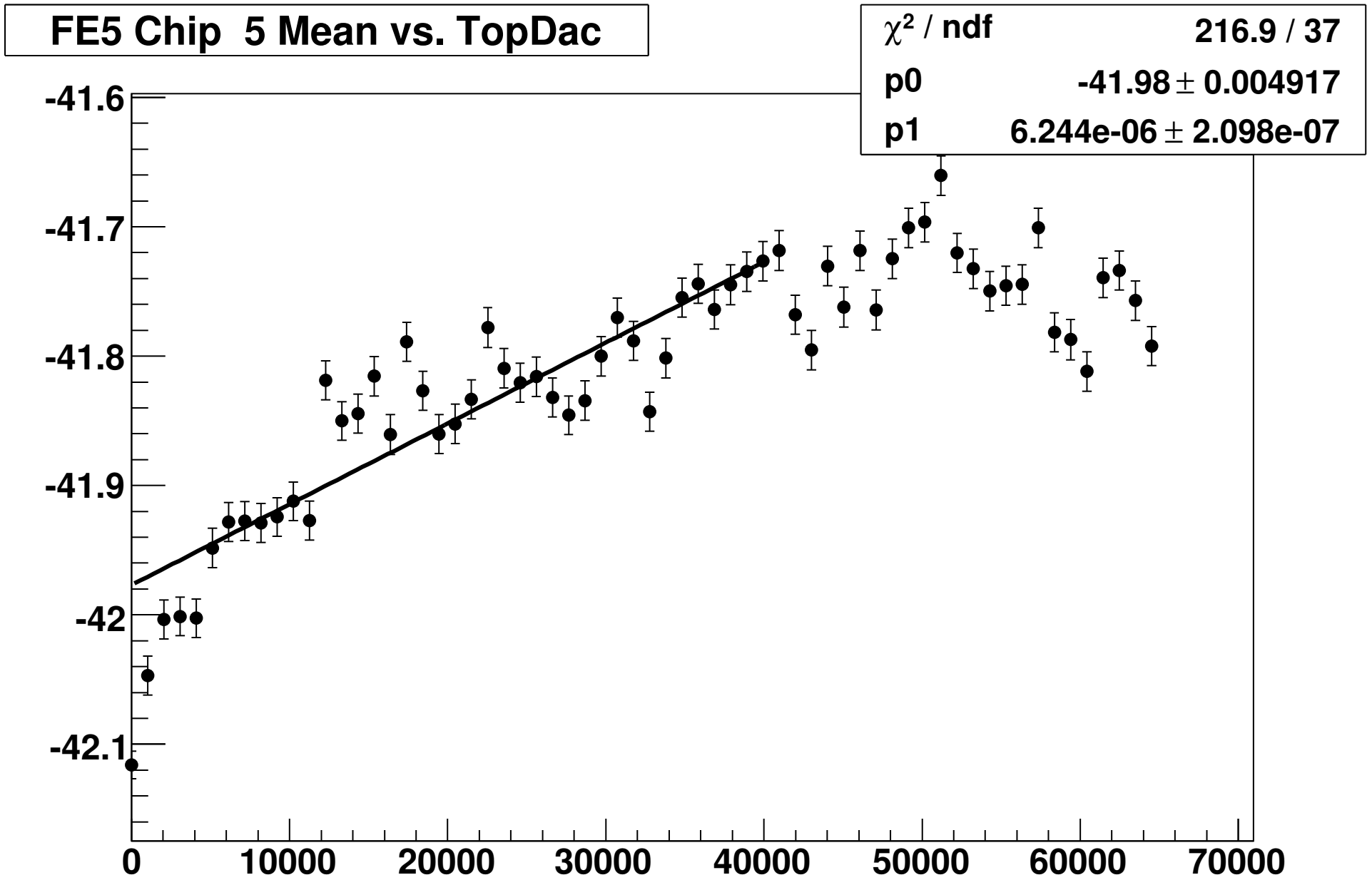
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 216.9 / 37
p0 -41.98 ± 0.004917
p1 6.244e-06 ± 2.098e-07
-41.6
-41.7
-41.8
-41.9
-42
-42.1
0
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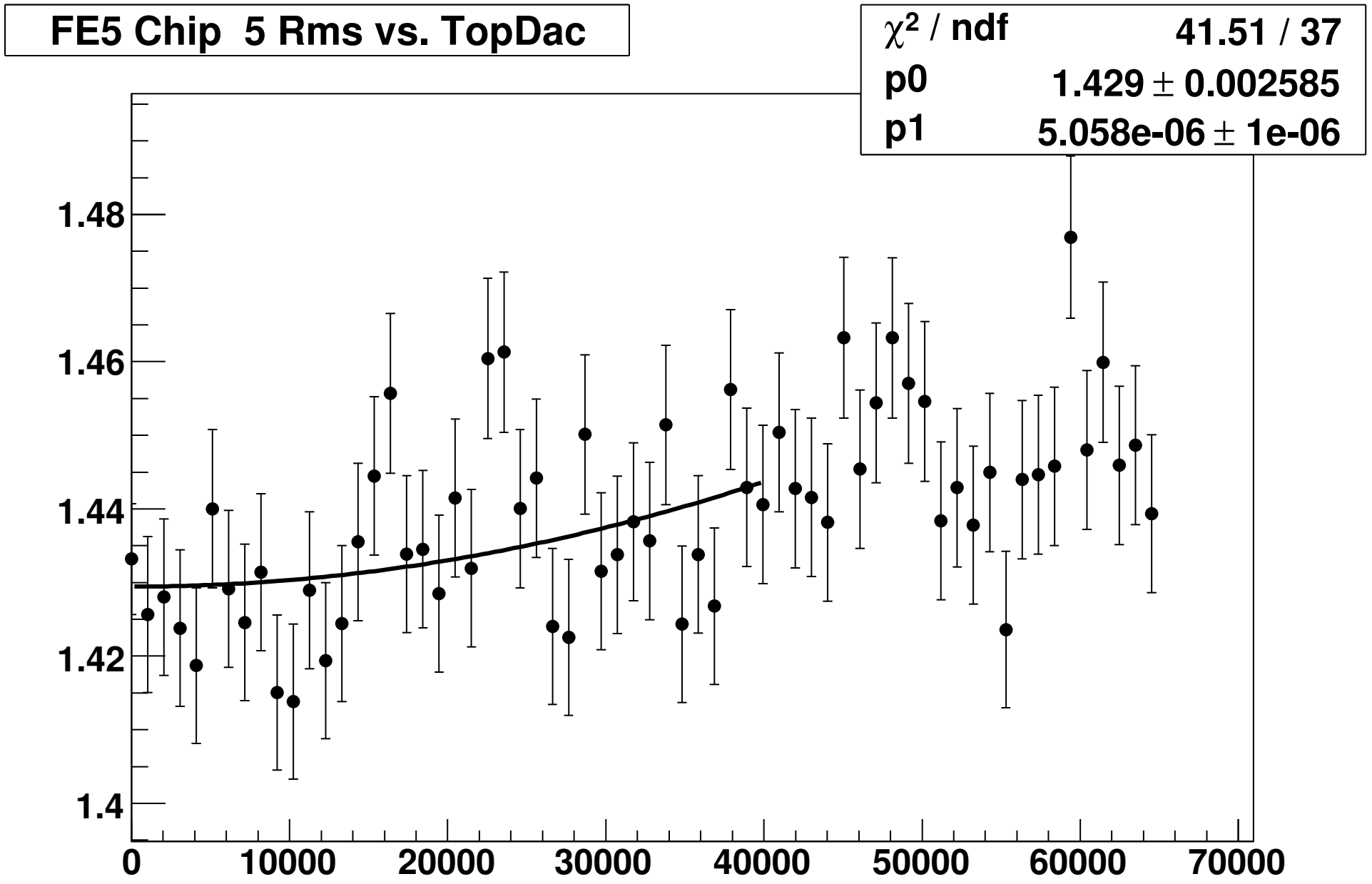
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 41.51 / 37
p0 1.429 ± 0.002585
p1 5.058e-06 ± 1e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
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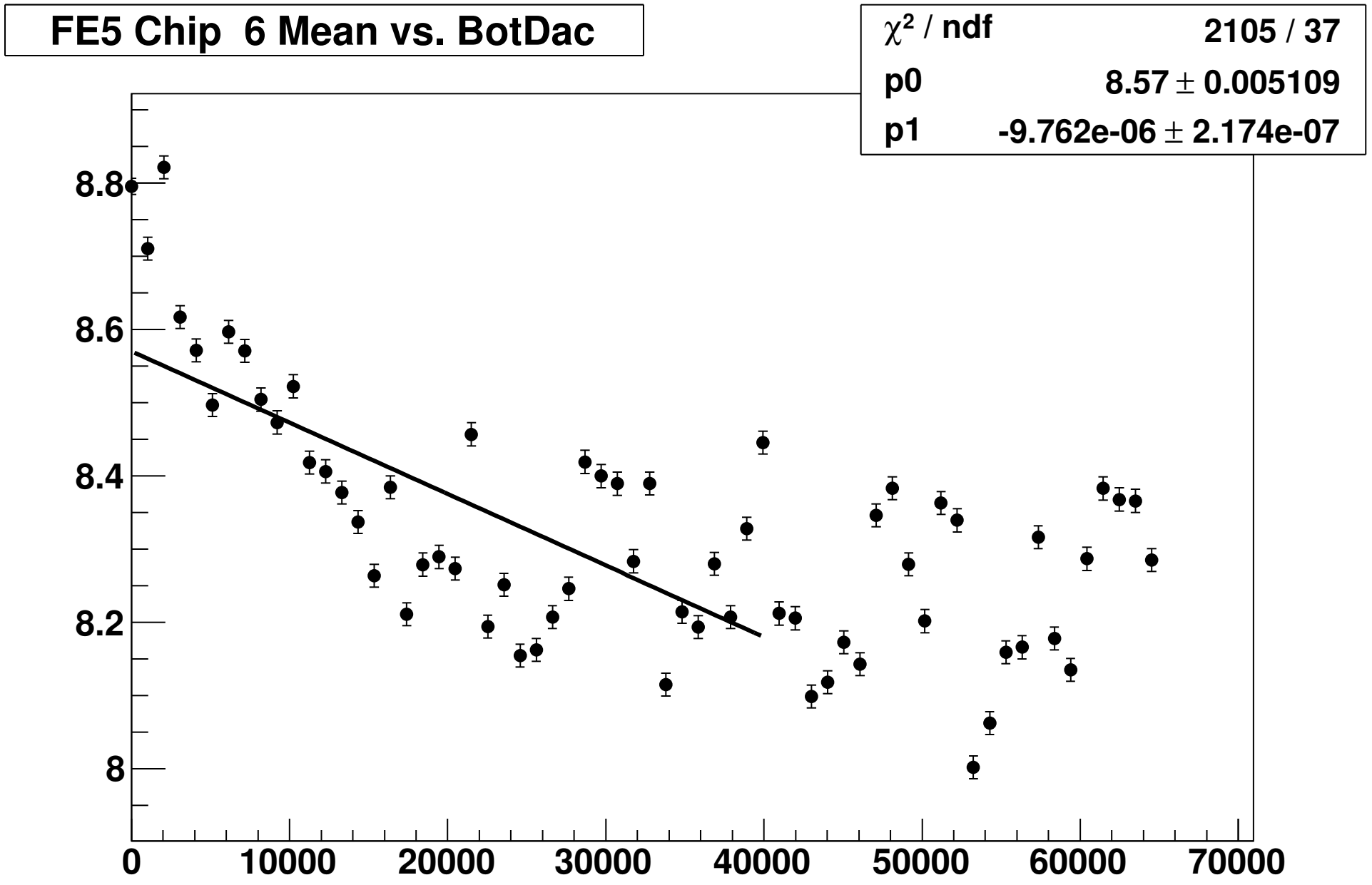
50000
60000
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 2105 / 37
p0 8.57 ± 0.005109
p1 -9.762e-06 ± 2.174e-07
8.8
8.6
8.4
8.2
8
0
10000
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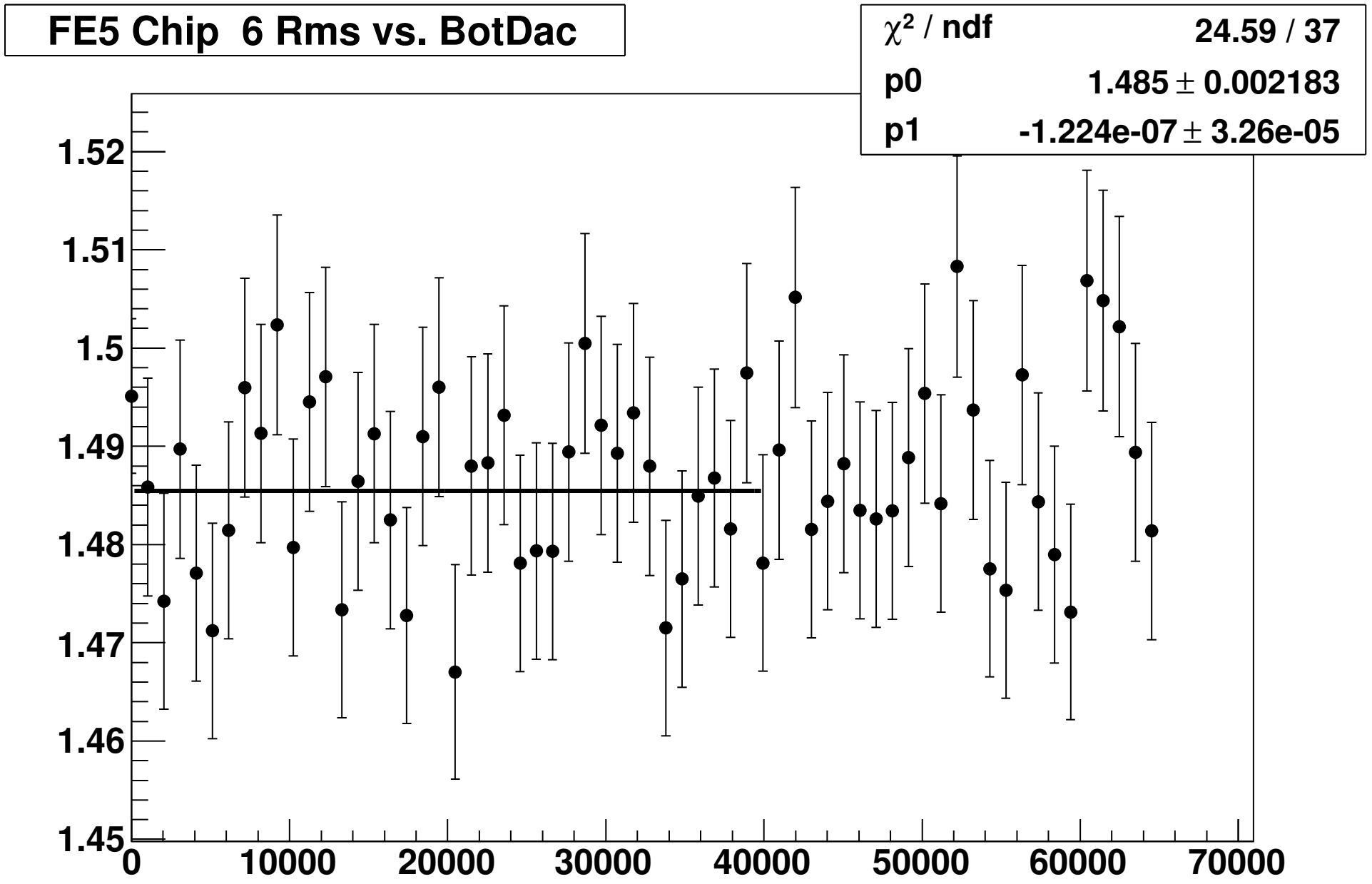
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 24.59 / 37
p0 1.485 ± 0.002183
p1 -1.224e-07 ± 3.26e-05
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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50000
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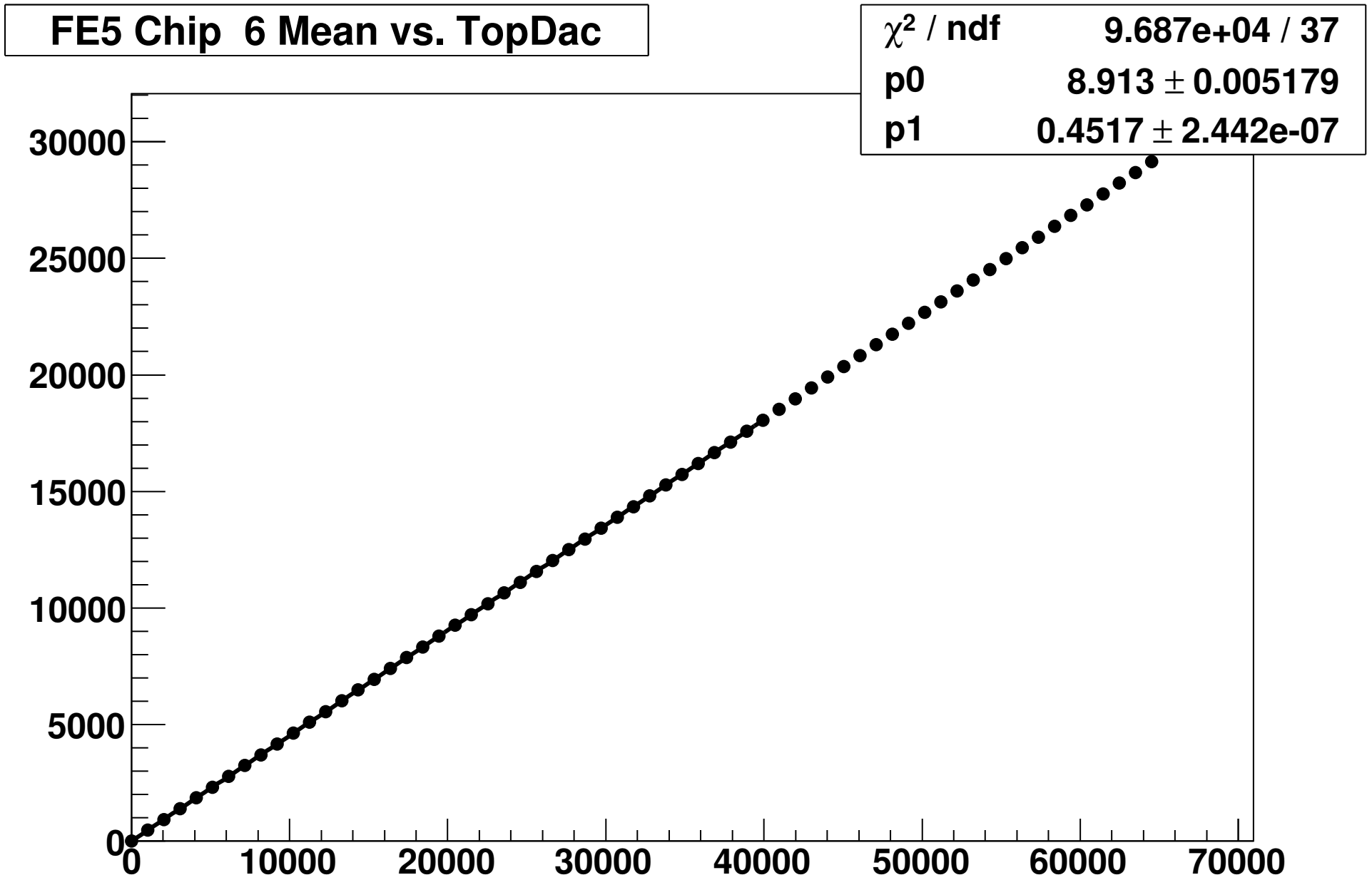
70000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 9.687e+04 / 37
p0 8.913 ± 0.005179
p1 0.4517 ± 2.442e-07
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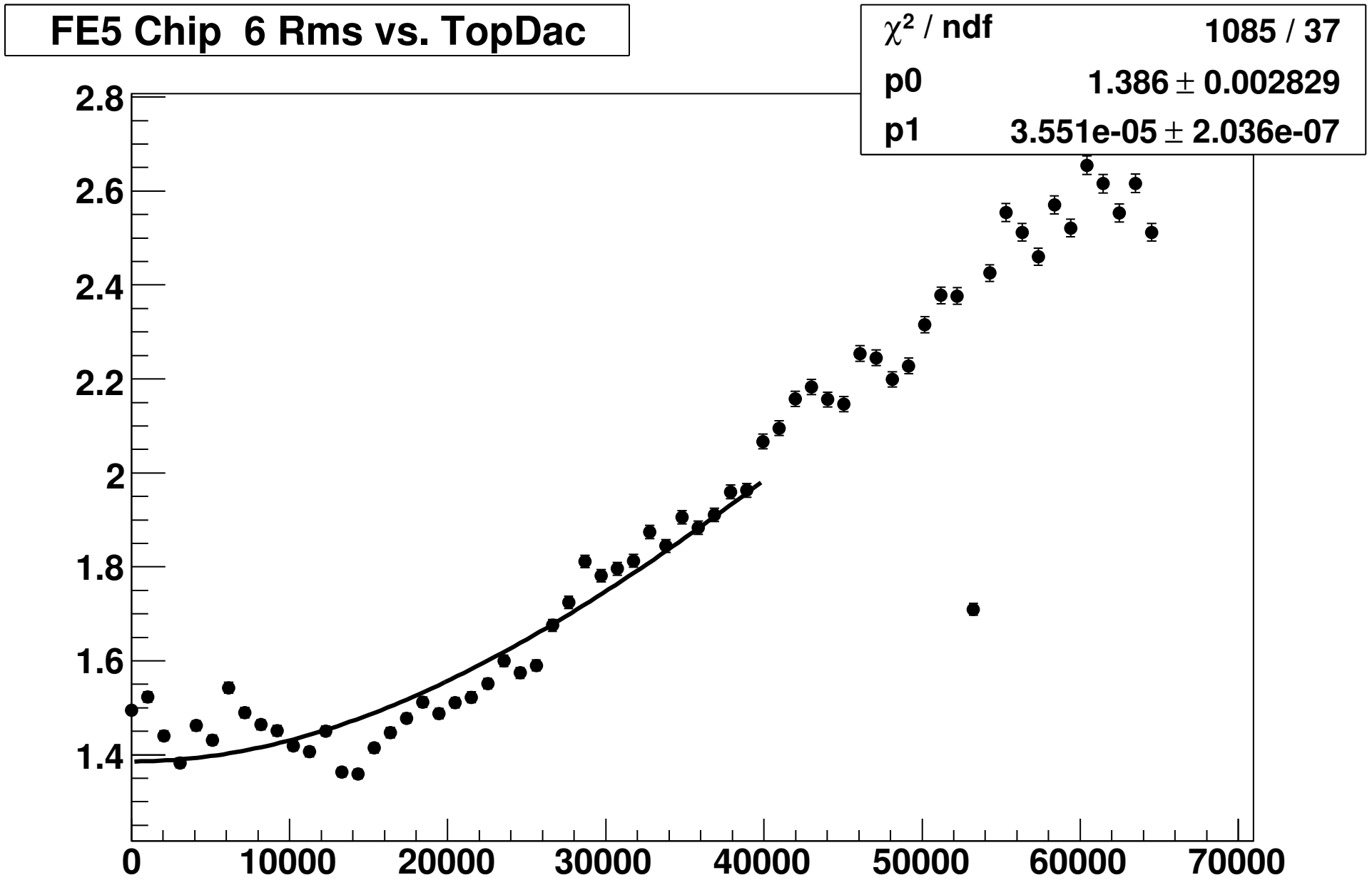
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1085 / 37
p0 1.386 ± 0.002829
p1 3.551e-05 ± 2.036e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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20000
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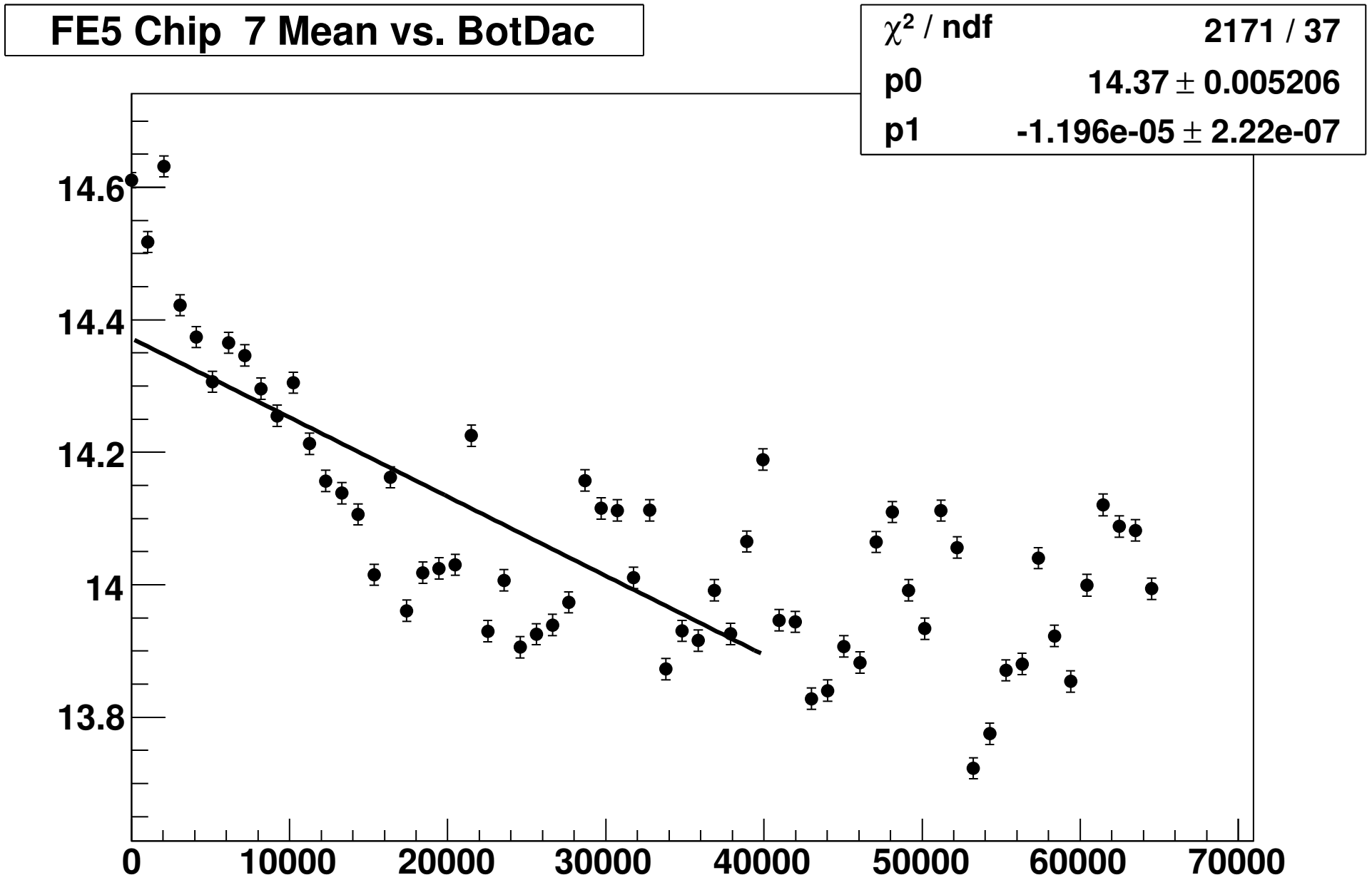
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 2171 / 37
p0 14.37 ± 0.005206
p1 -1.196e-05 ± 2.22e-07
14.6
14.4
14.2
14
13.8
0
10000
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30000
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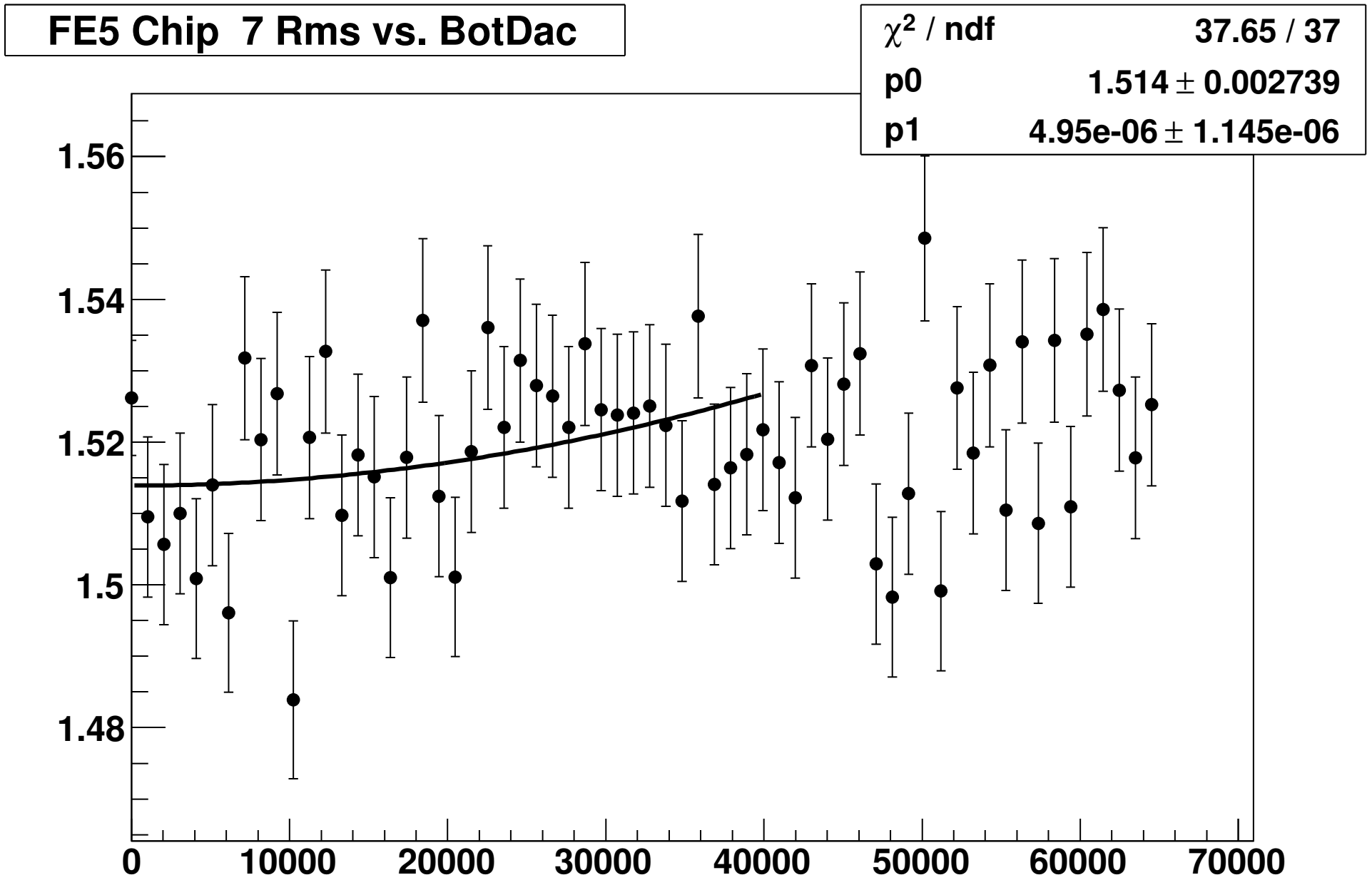
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 37.65 / 37
p0 1.514 ± 0.002739
p1 4.95e-06 ± 1.145e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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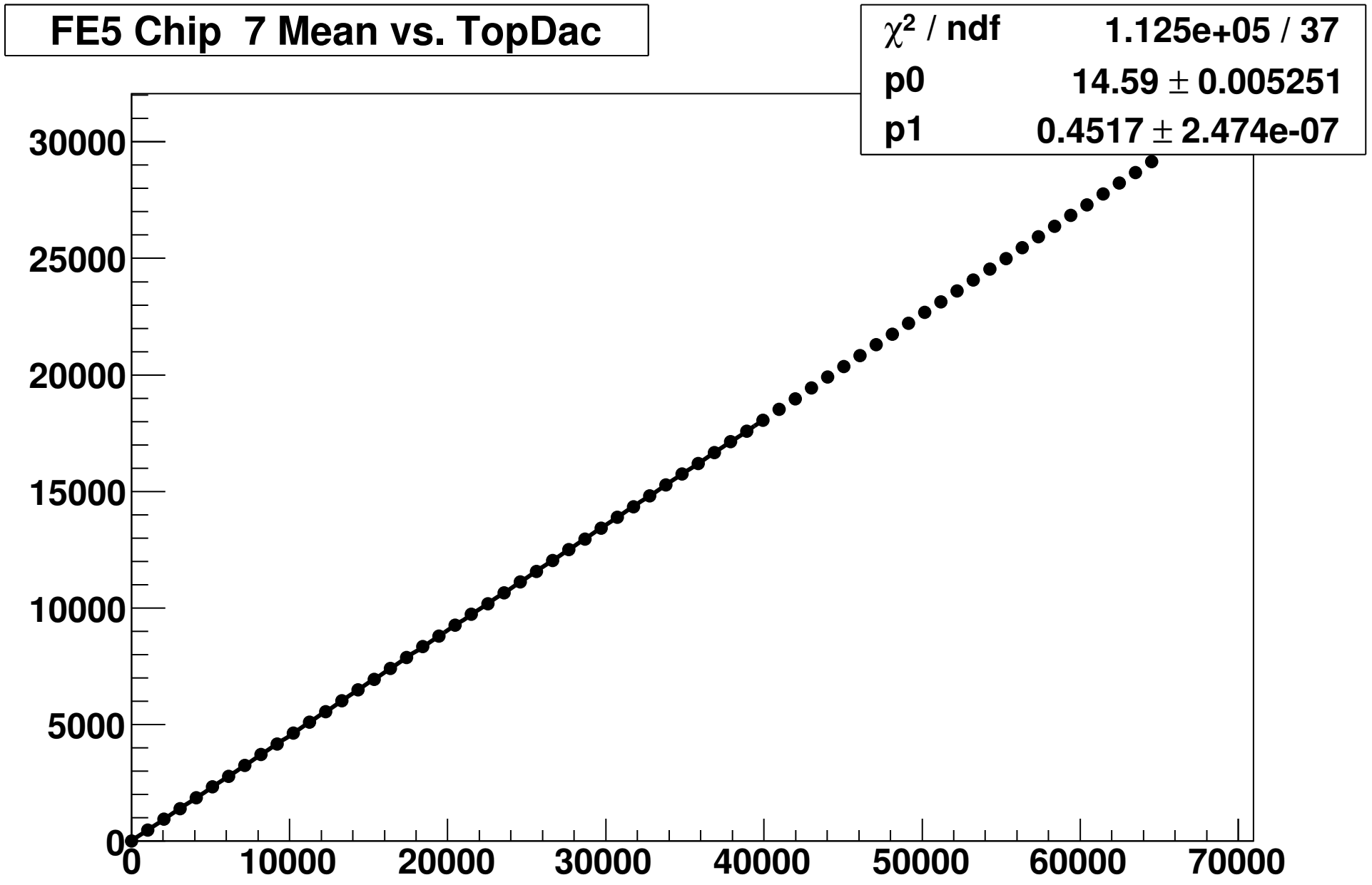
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.125e+05 / 37
p0 14.59 ± 0.005251
p1 0.4517 ± 2.474e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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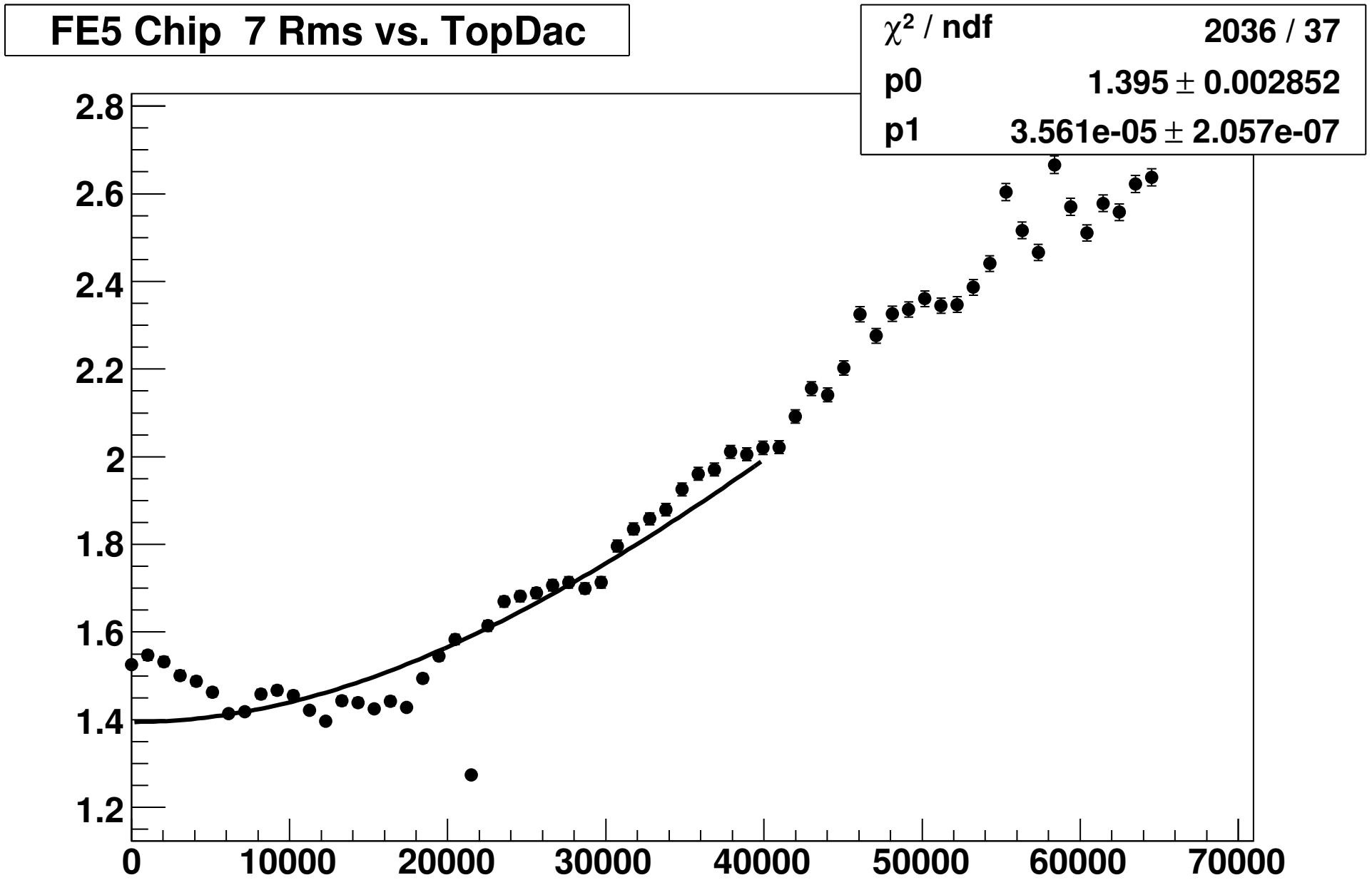
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 2036 / 37
p0 1.395 ± 0.002852
p1 3.561e-05 ± 2.057e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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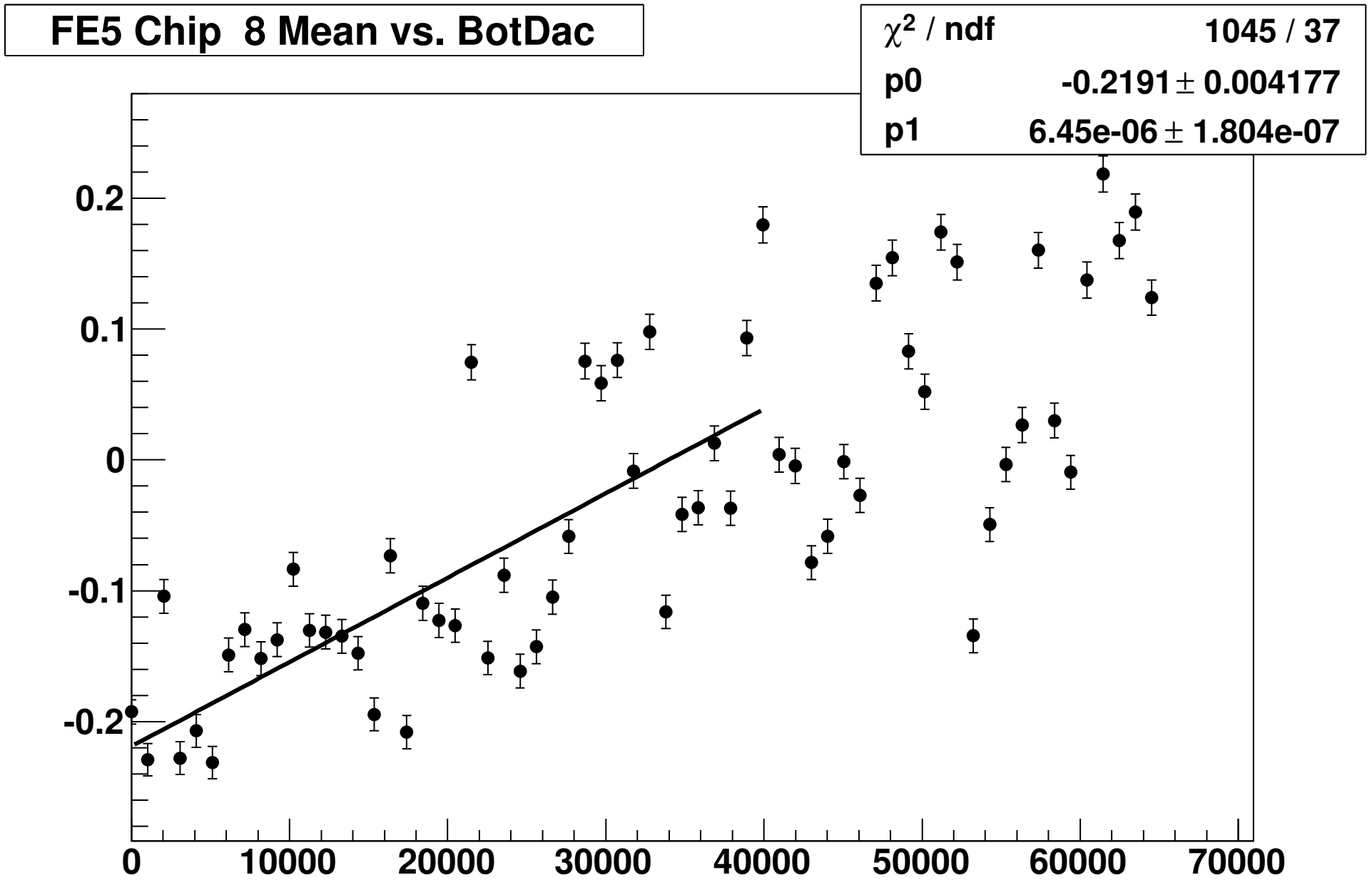
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 1045 / 37
p0 -0.2191 ± 0.004177
p1 6.45e-06 ± 1.804e-07
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0.1
0
-0.1
-0.2
0
10000
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50000
60000
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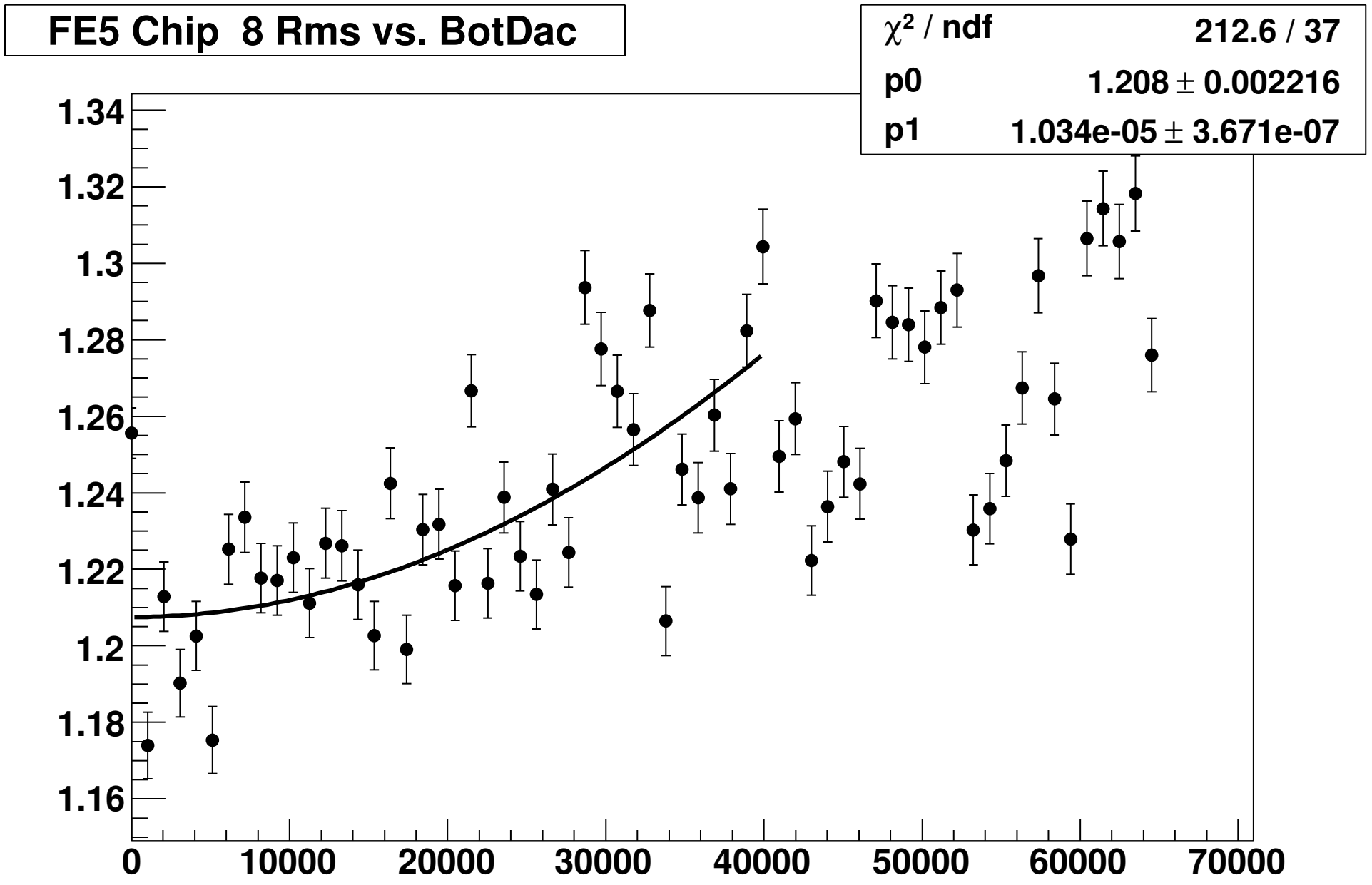
FE5 Chip 8 Rms vs. BotDac
χ² / ndf 212.6 / 37
p0 1.208 ± 0.002216
p1 1.034e-05 ± 3.671e-07
1.34
1.32
1.3
1.28
1.26
1.24
1.22
1.2
1.18
1.16
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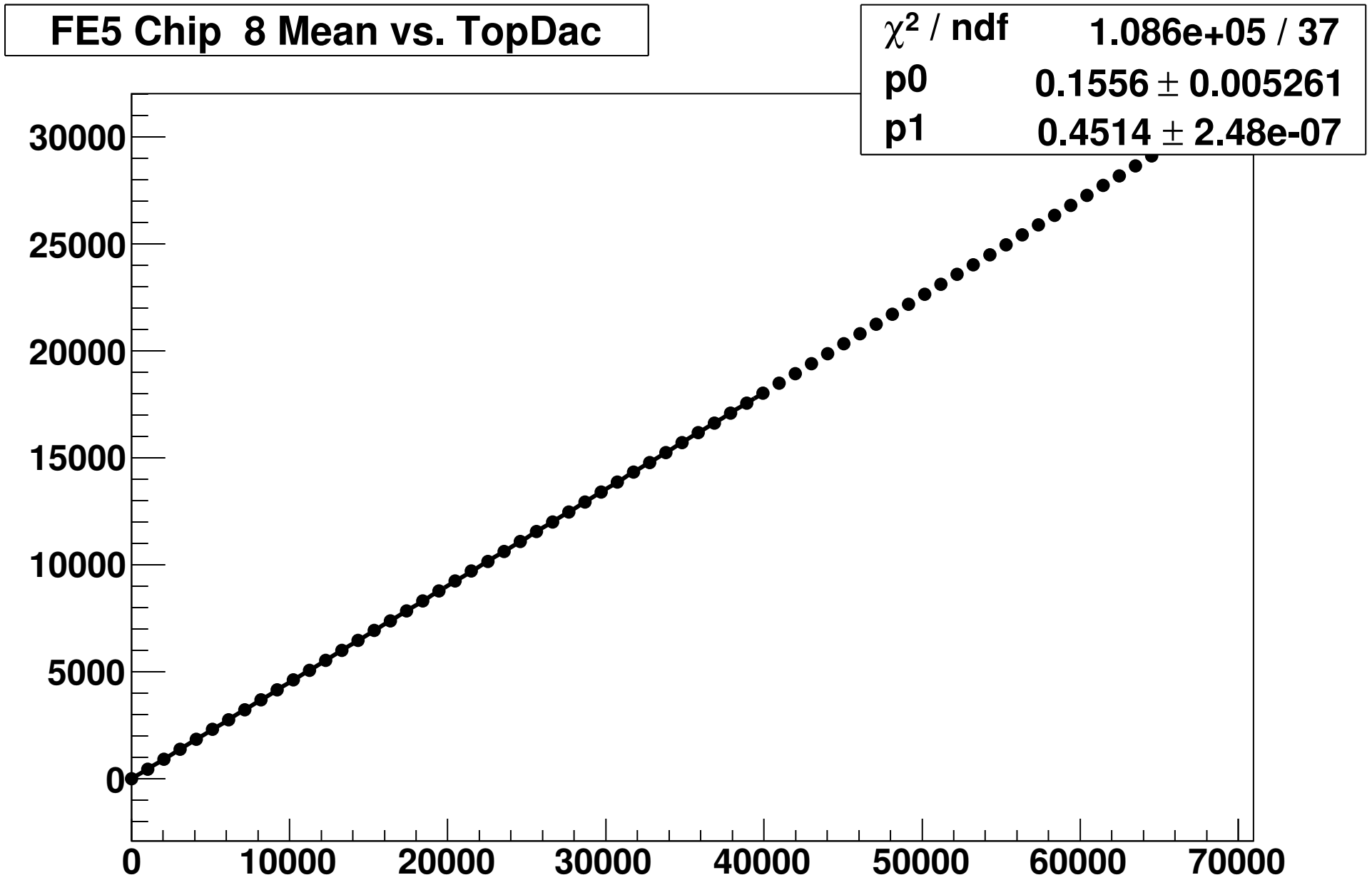
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.086e+05 / 37
p0 0.1556 ± 0.005261
p1 0.4514 ± 2.48e-07
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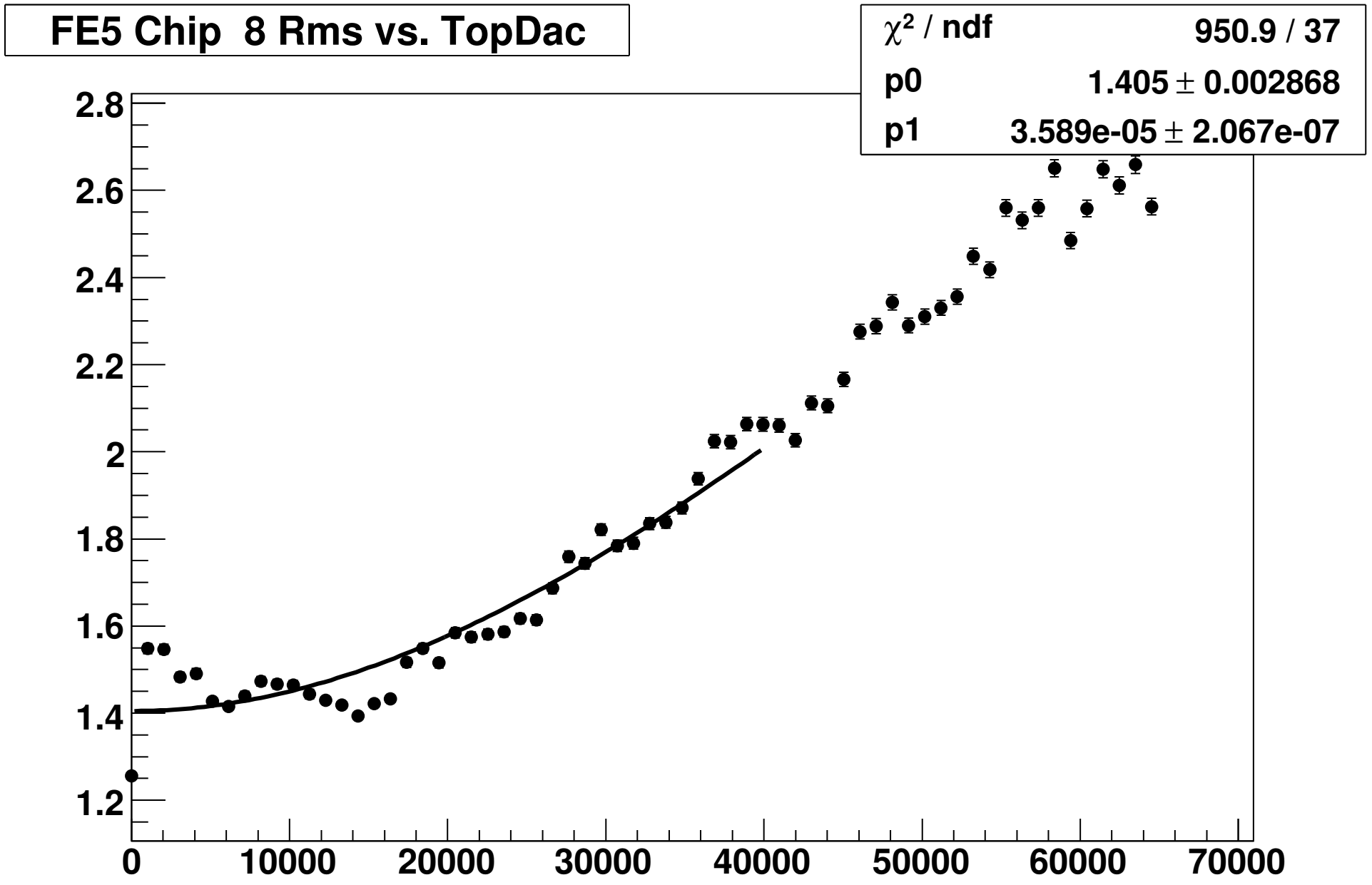
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 950.9 / 37
p0 1.405 ± 0.002868
p1 3.589e-05 ± 2.067e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
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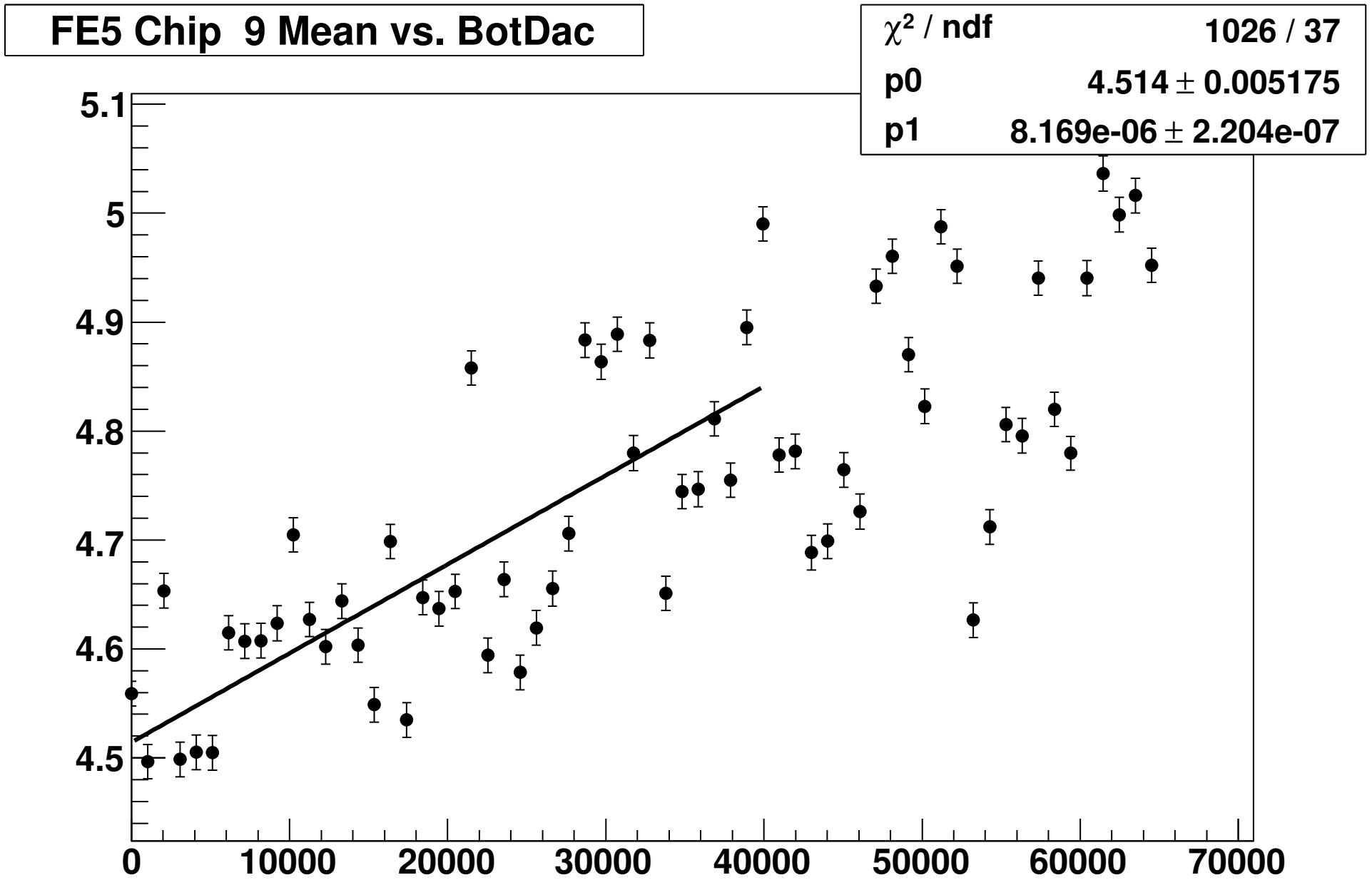
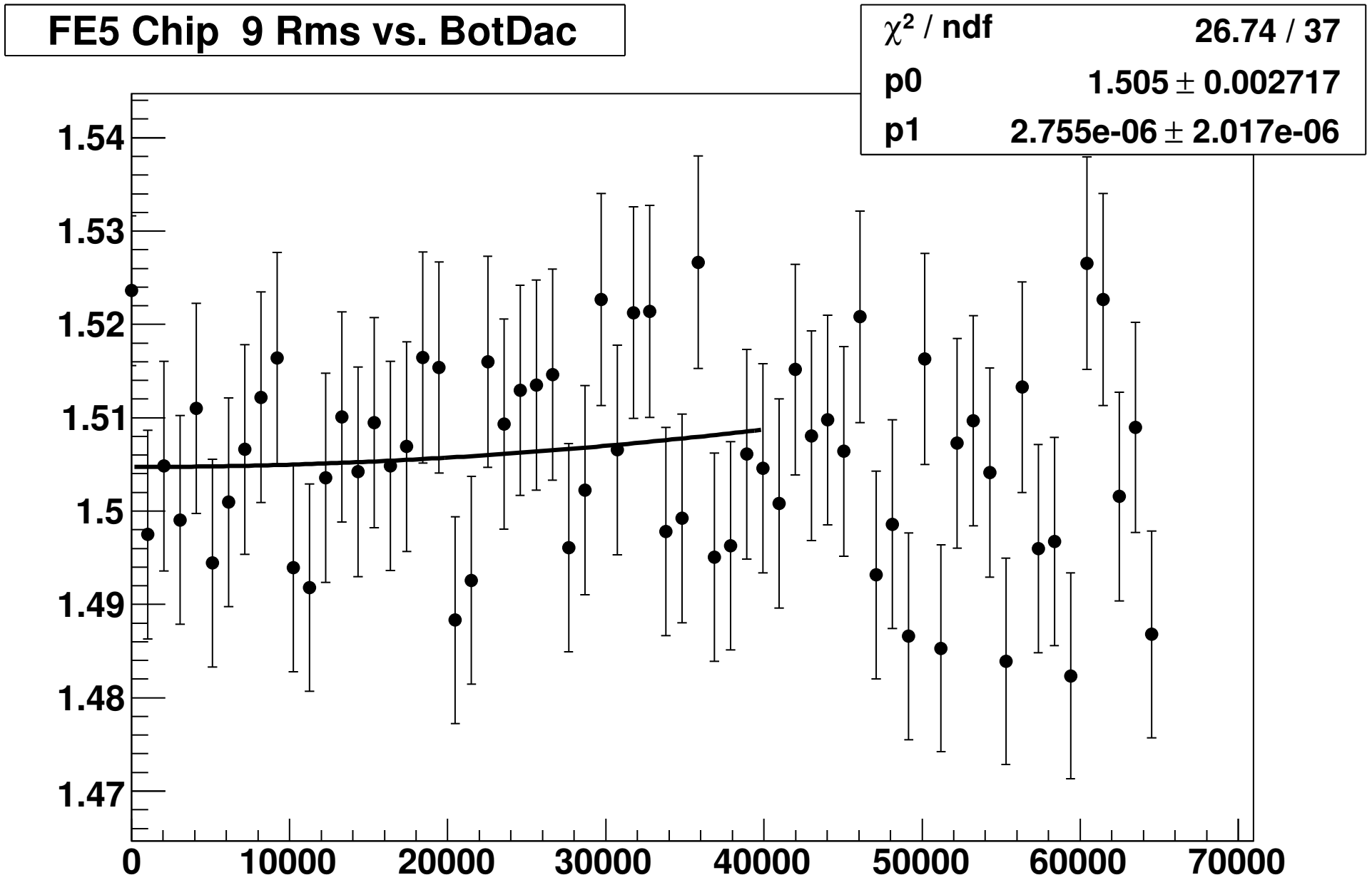

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 1026 / 37
p0 4.514 ± 0.005175
p1 8.169e-06 ± 2.204e-07
5.1
5
4.9
4.8
4.7
4.6
4.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 26.74 / 37
p0 1.505 ± 0.002717
p1 2.755e-06 ± 2.017e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
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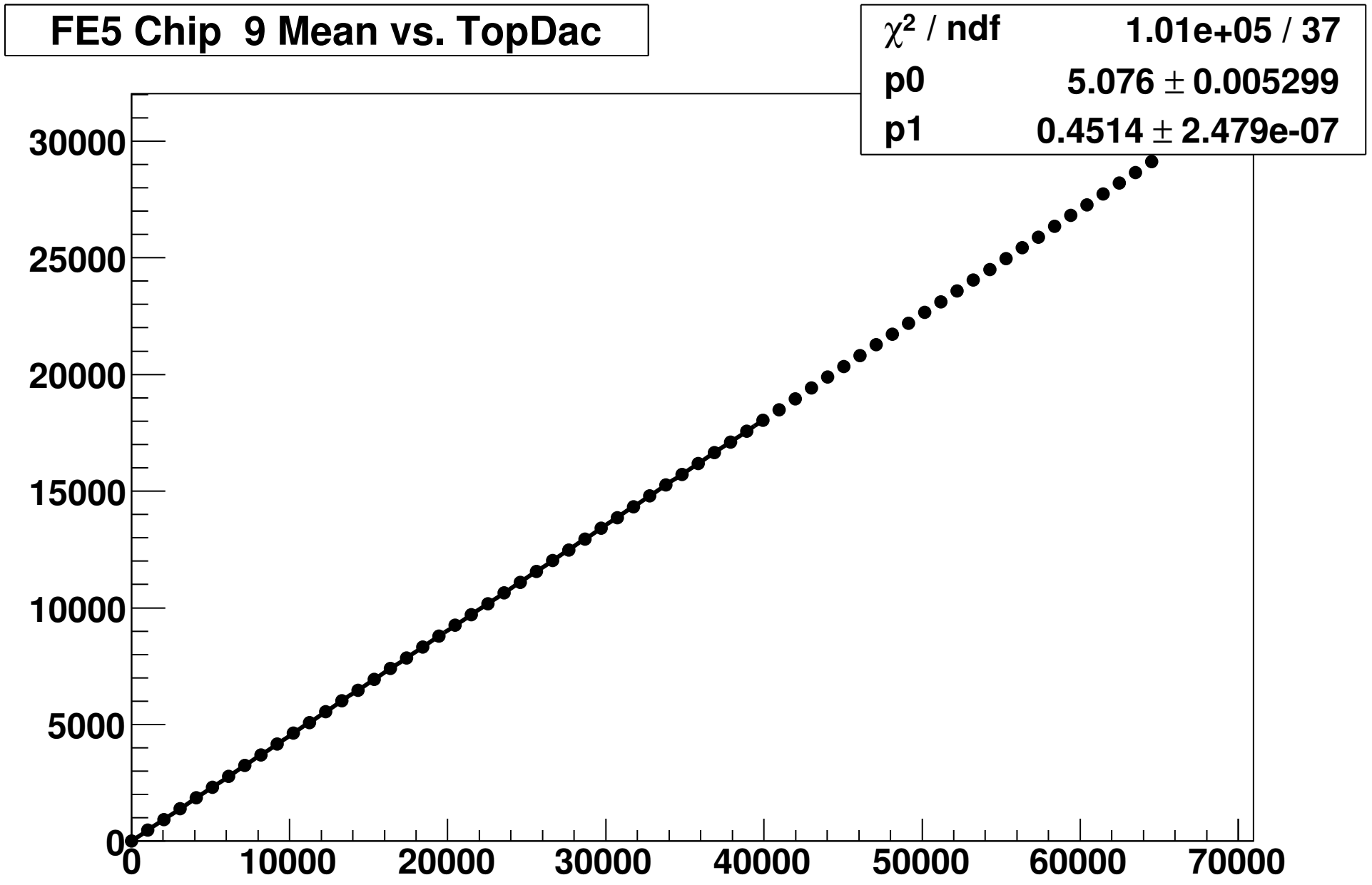
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.01e+05 / 37
p0 5.076 ± 0.005299
p1 0.4514 ± 2.479e-07
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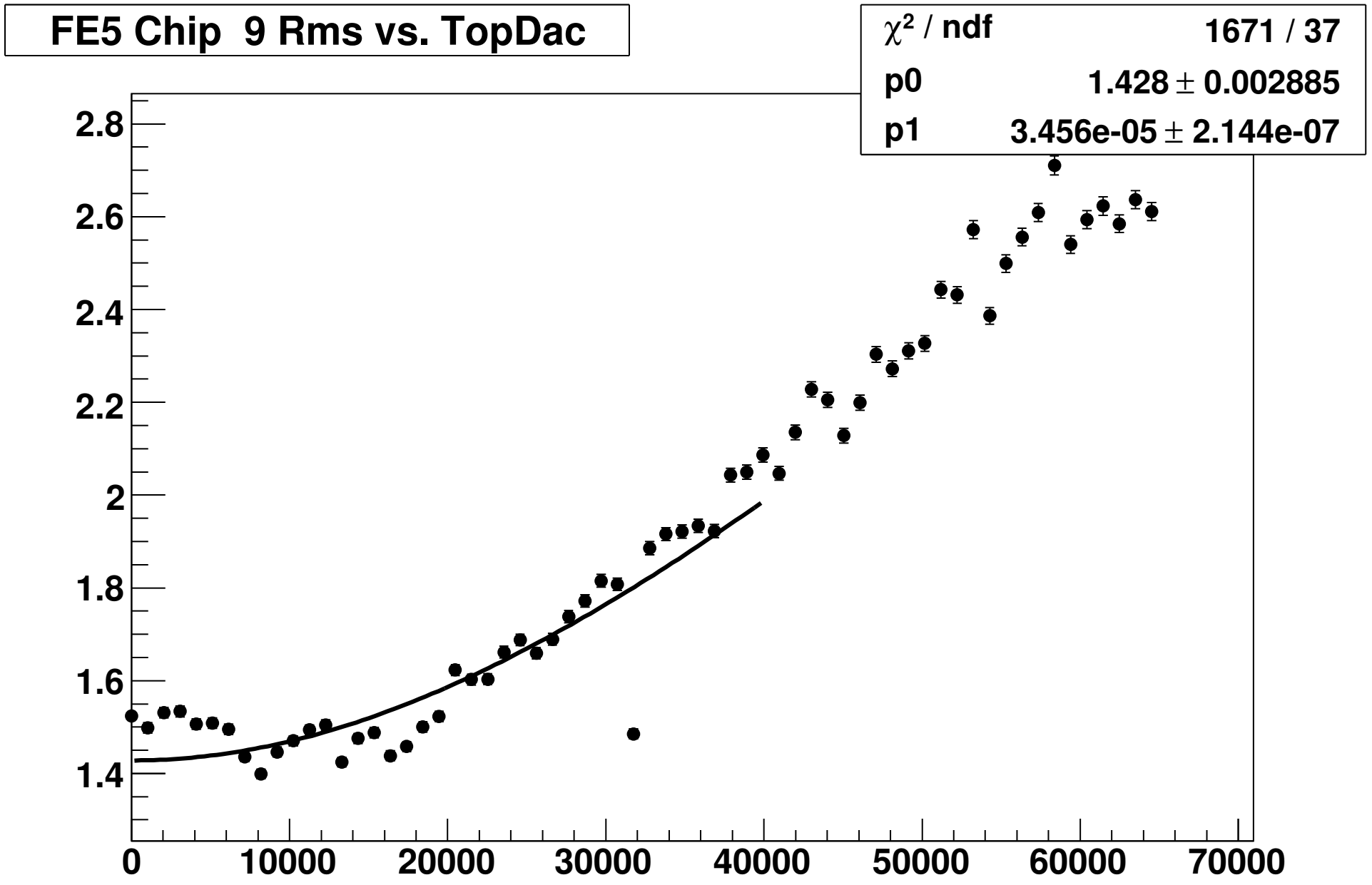
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1671 / 37
p0 1.428 ± 0.002885
p1 3.456e-05 ± 2.144e-07
2.8
2.6
2.4
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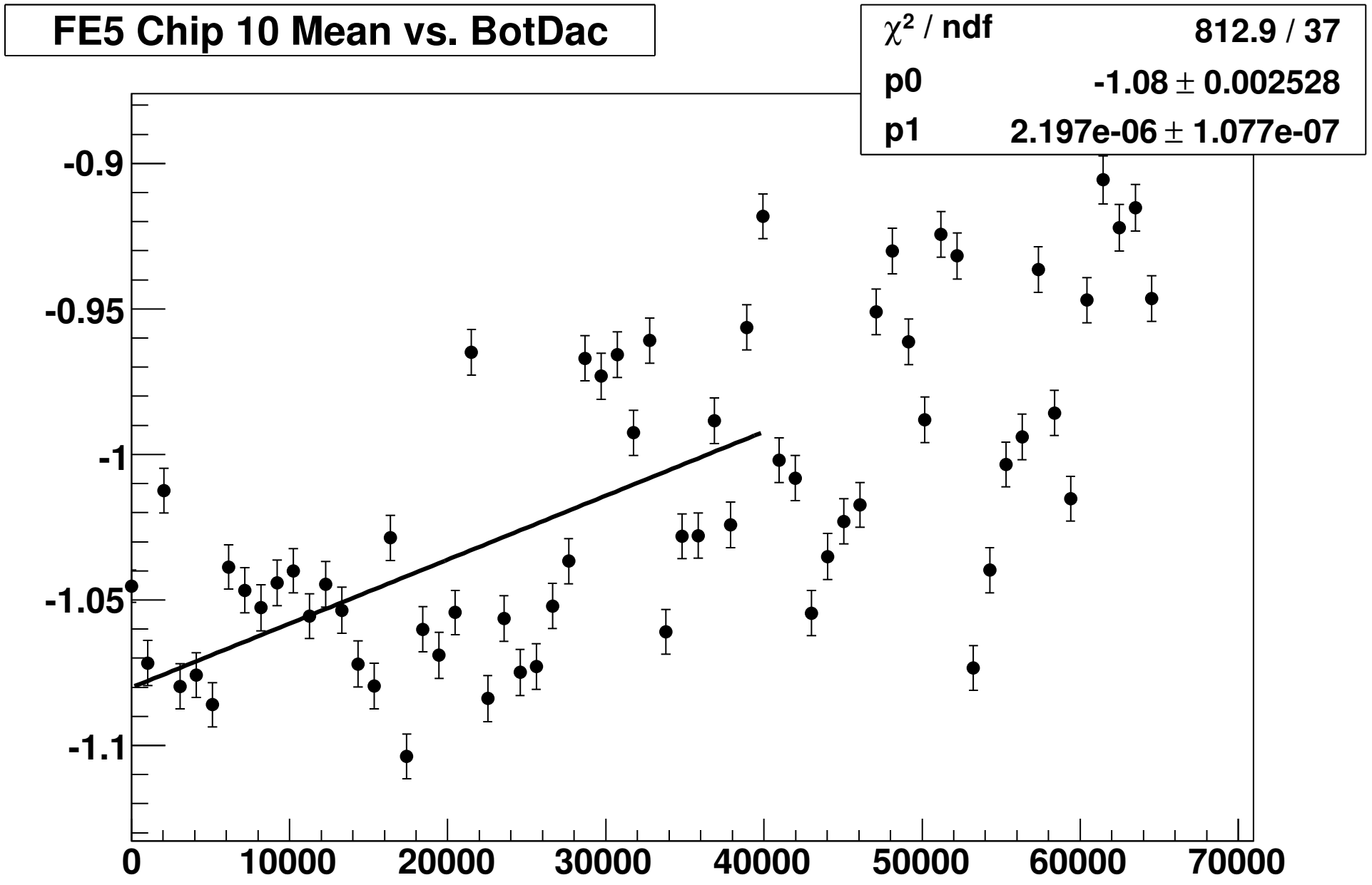
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 812.9 / 37
p0 -1.08 ± 0.002528
p1 2.197e-06 ± 1.077e-07
-0.9
-0.95
-1
-1.05
-1.1
0
10000
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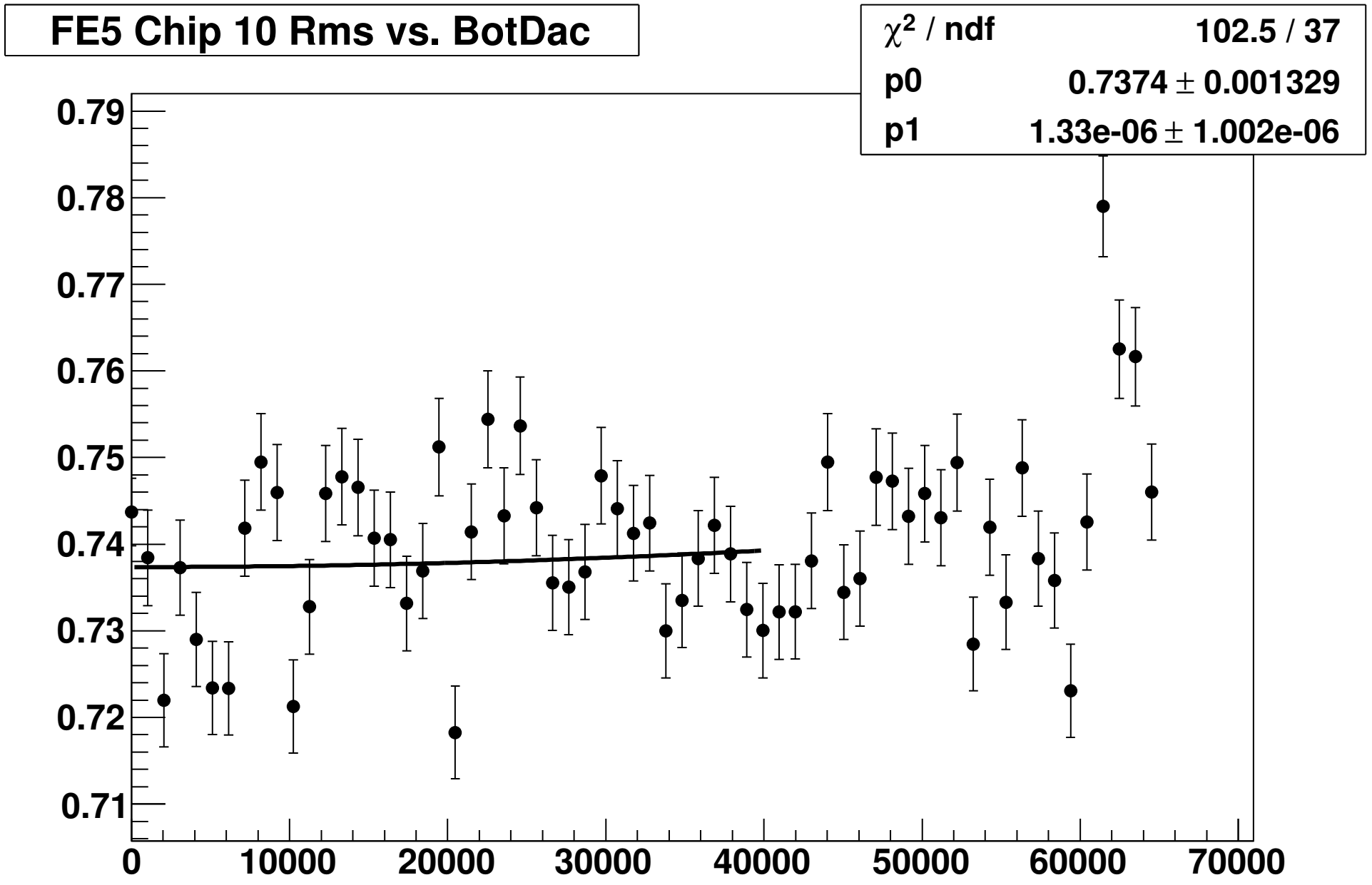
FE5 Chip 10 Rms vs. BotDac
χ² / ndf 102.5 / 37
p0 0.7374 ± 0.001329
p1 1.33e-06 ± 1.002e-06
0.79
0.78
0.77
0.76
0.75
0.74
0.73
0.72
0.71
0
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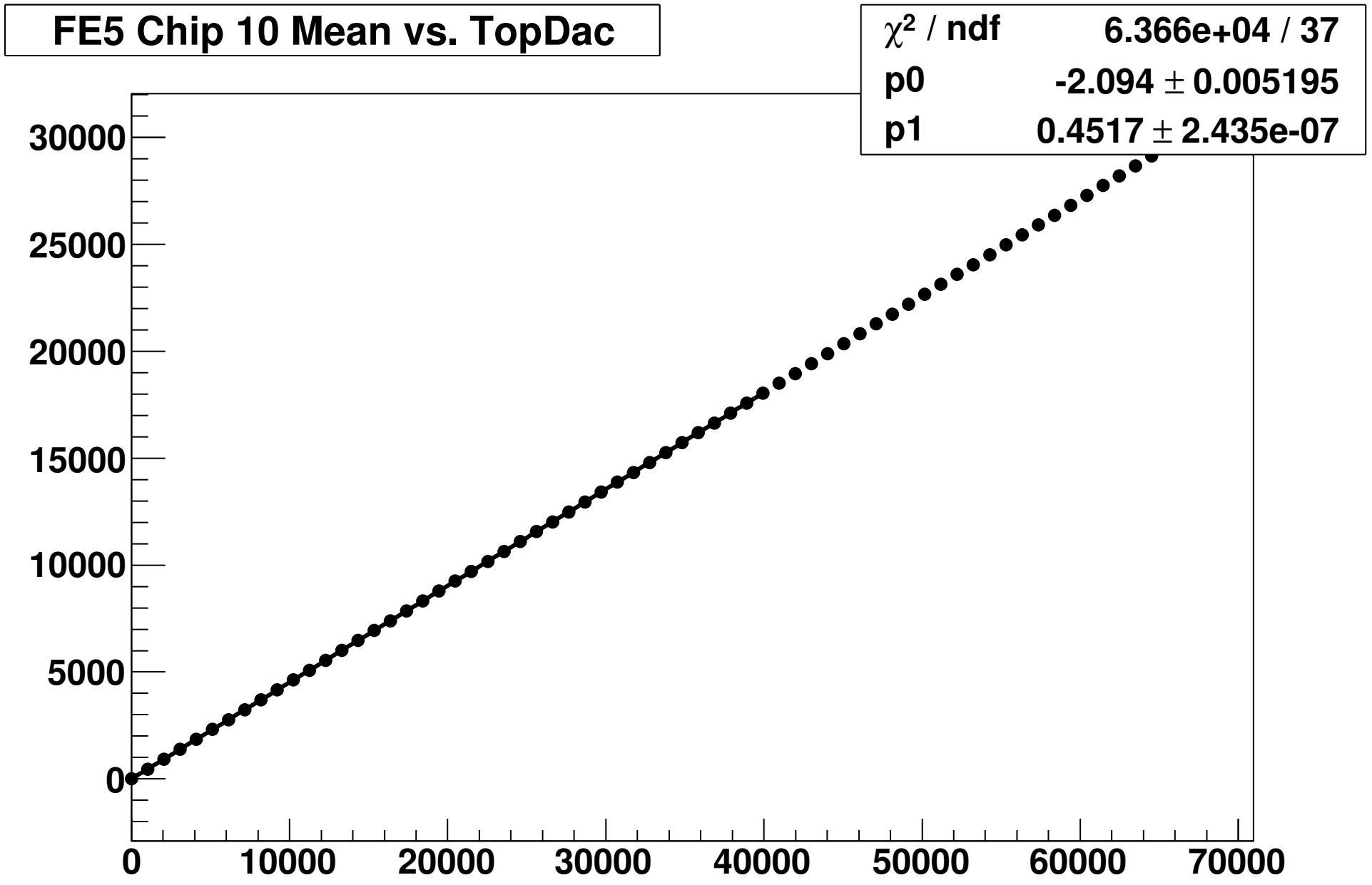
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 6.366e+04 / 37
p0 -2.094 ± 0.005195
p1 0.4517 ± 2.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
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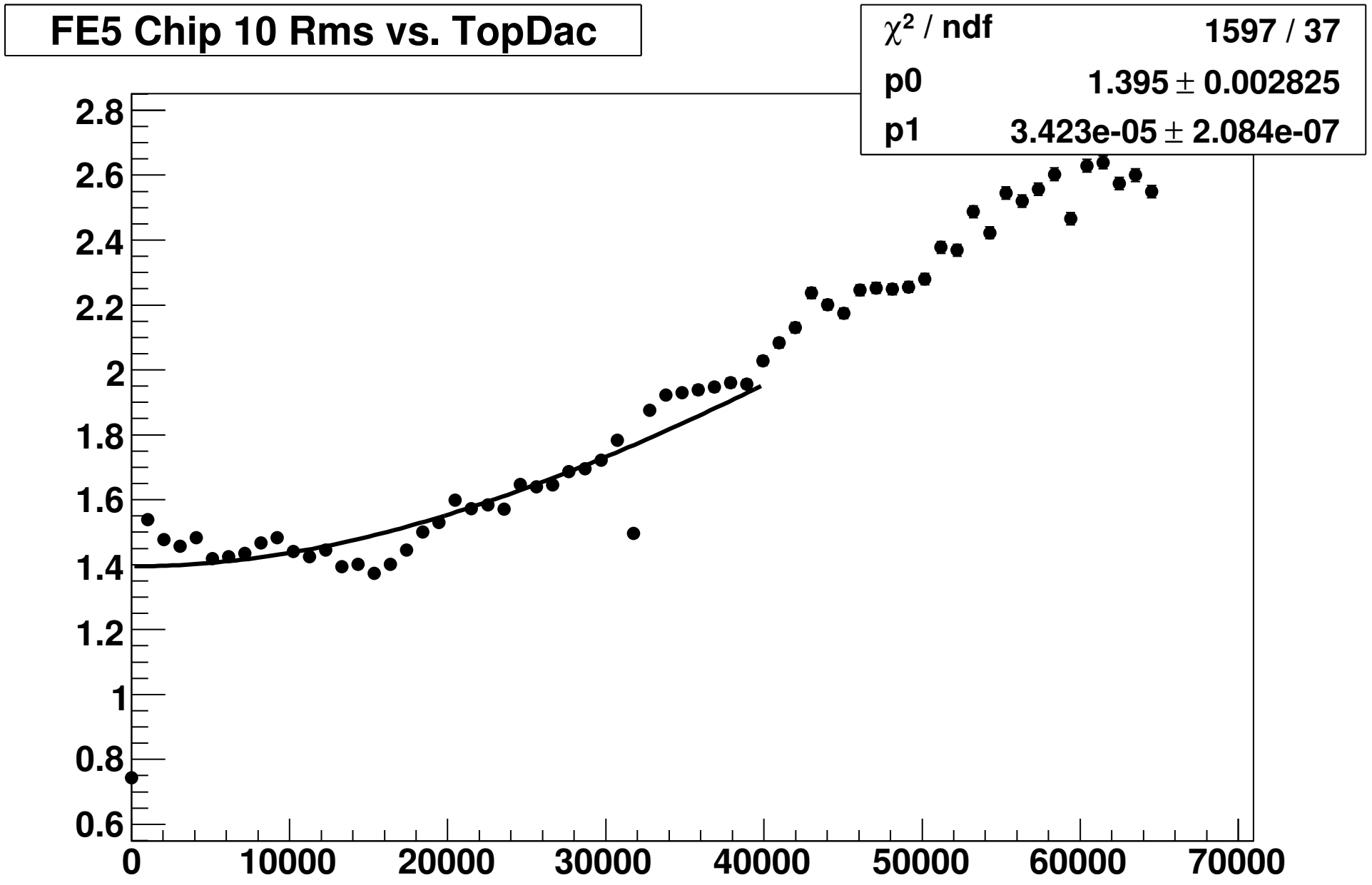
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1597 / 37
p0 1.395 ± 0.002825
p1 3.423e-05 ± 2.084e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
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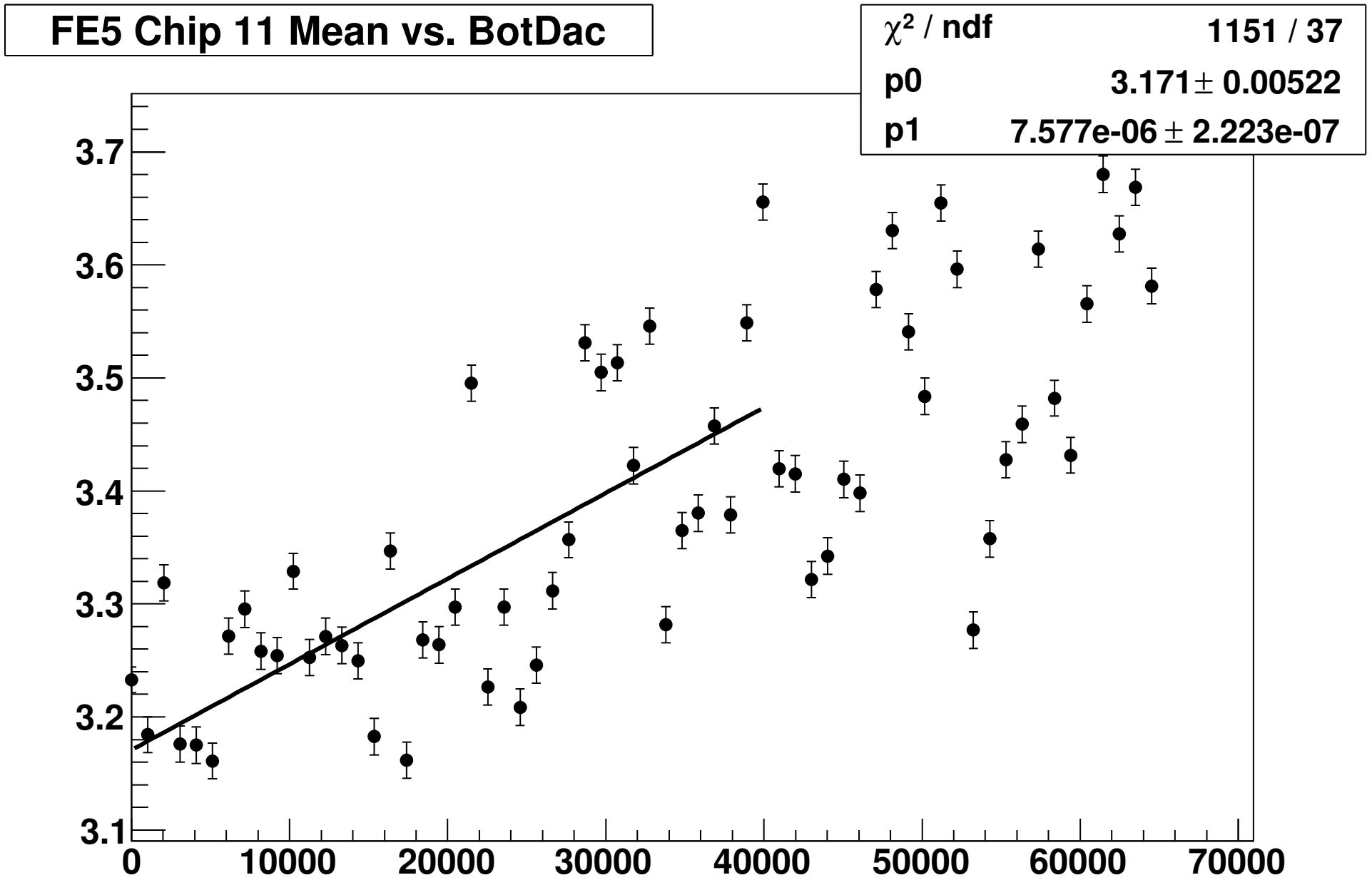
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 1151 / 37
p0 3.171 ± 0.00522
p1 7.577e-06 ± 2.223e-07
3.7
3.6
3.5
3.4
3.3
3.2
3.1
0
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50000
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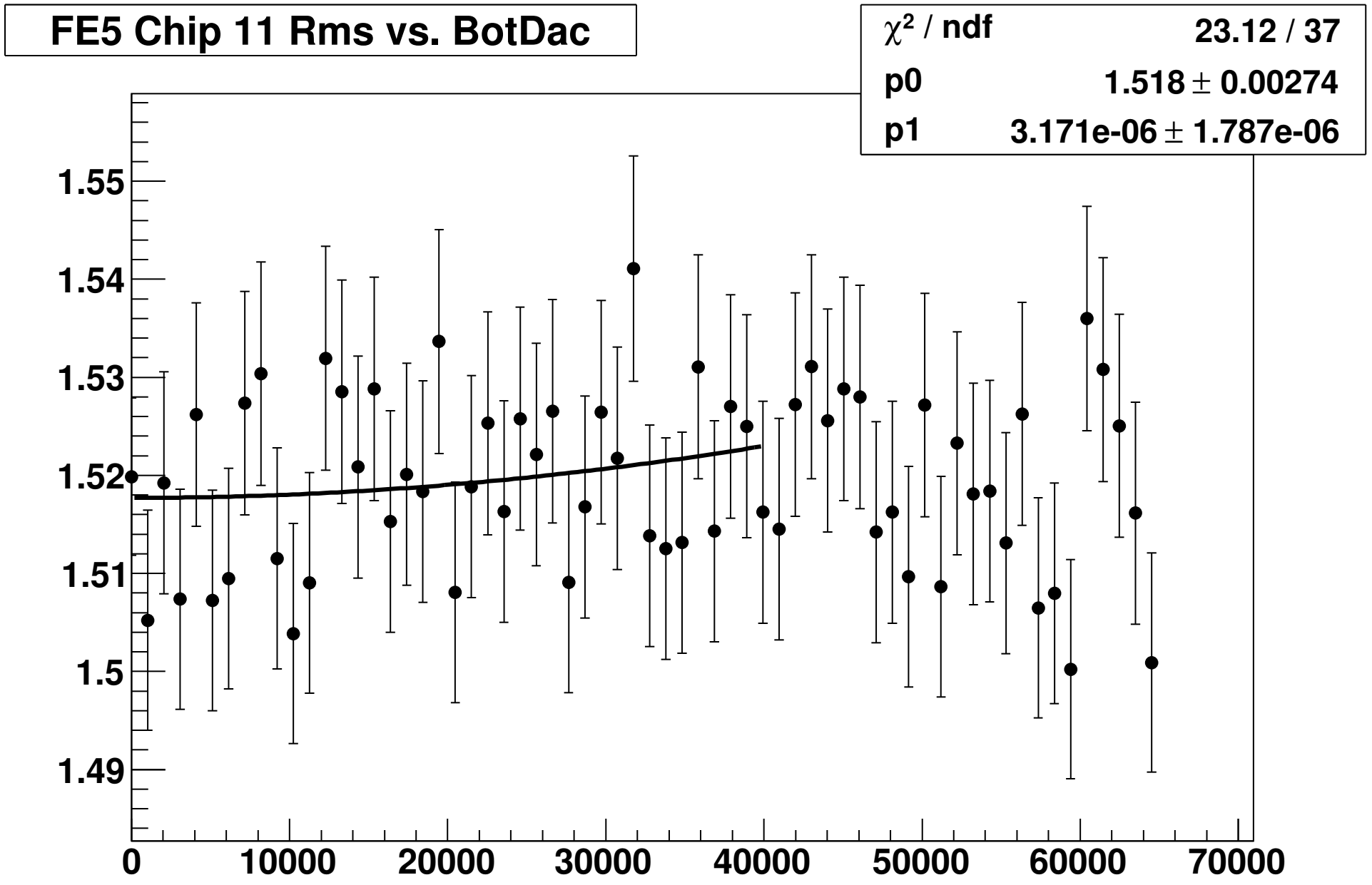
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 23.12 / 37
p0 1.518 ± 0.00274
p1 3.171e-06 ± 1.787e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
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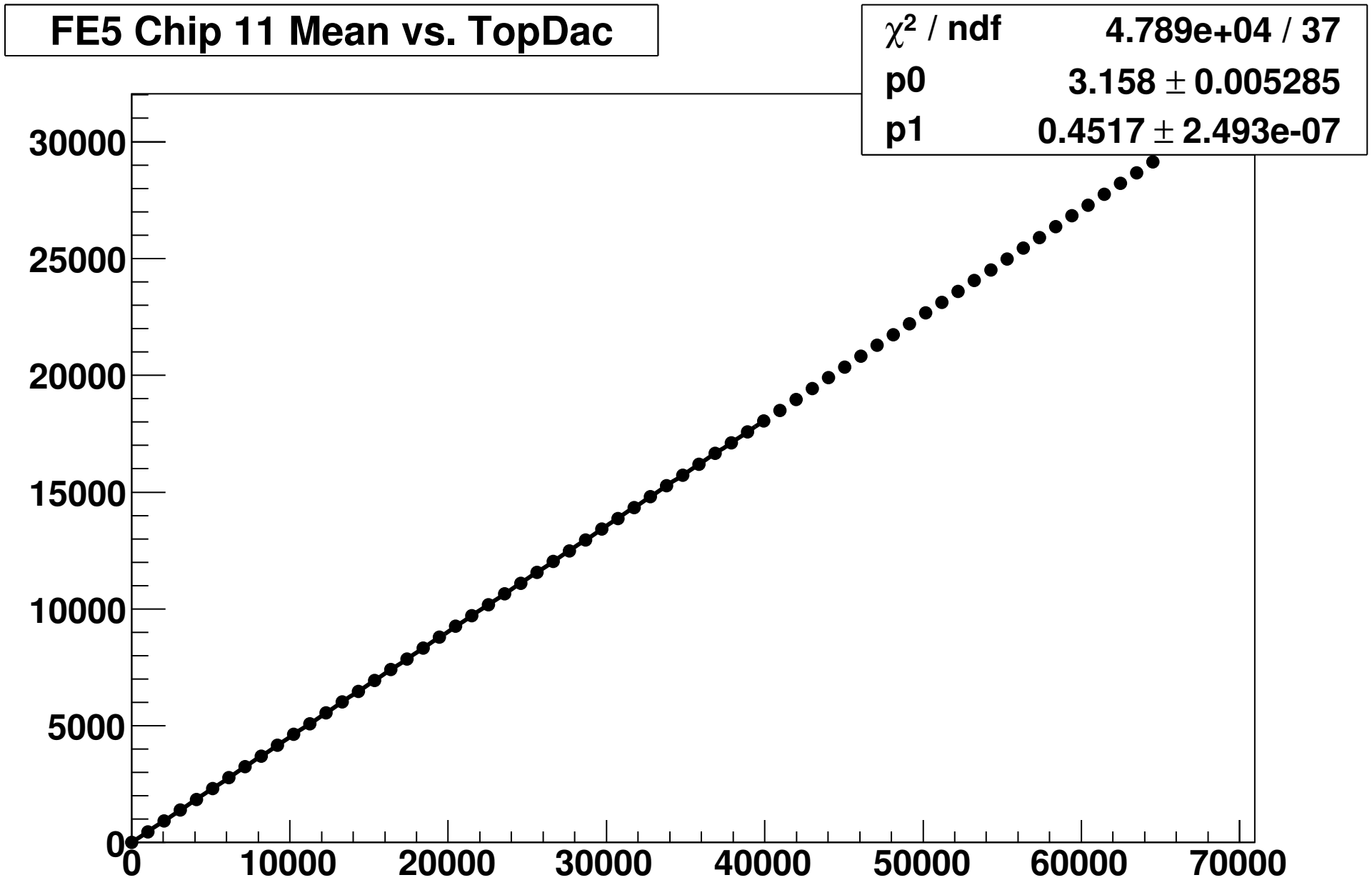
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 4.789e+04 / 37
p0 3.158 ± 0.005285
p1 0.4517 ± 2.493e-07
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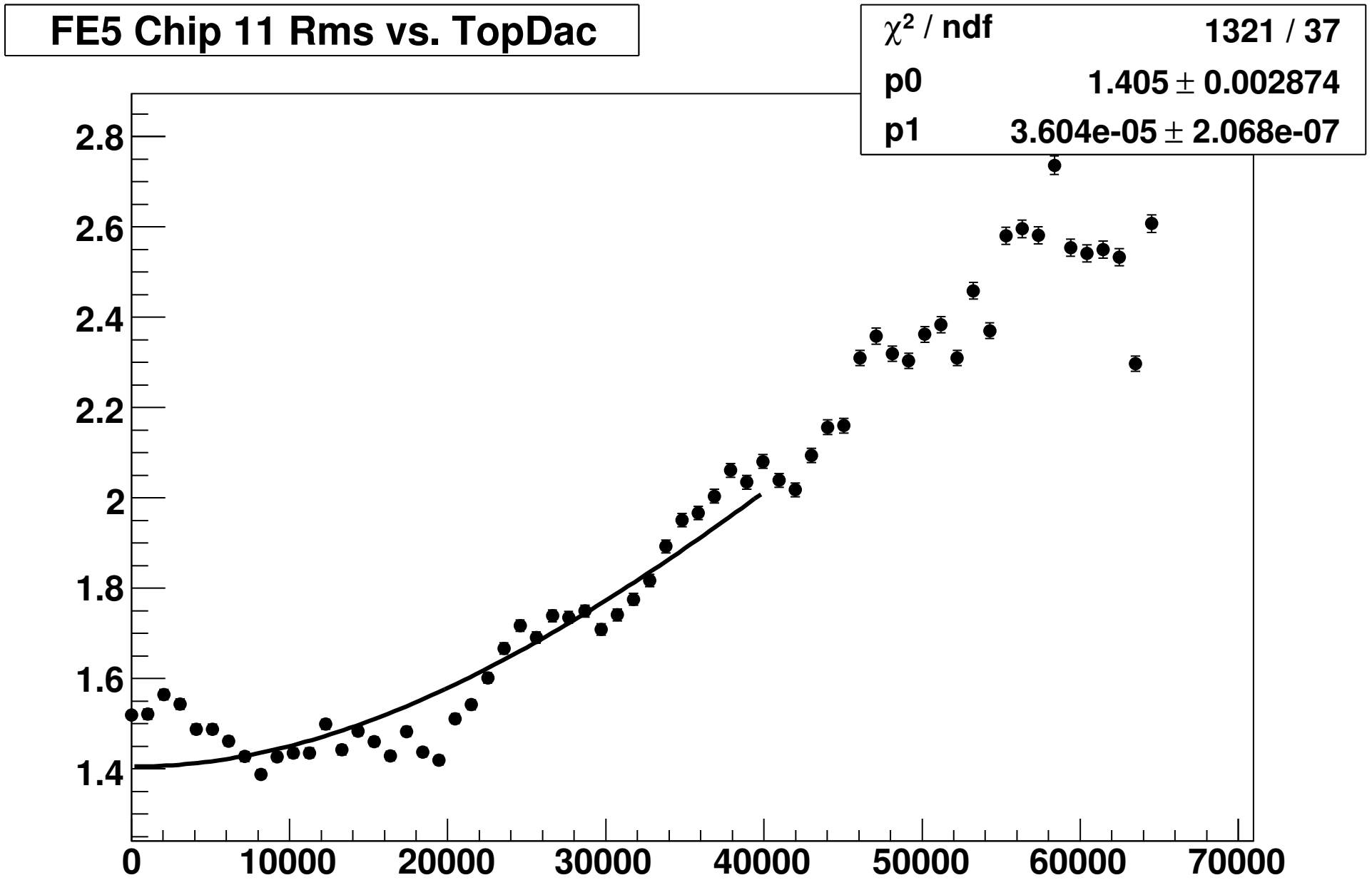
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1321 / 37
p0 1.405 ± 0.002874
p1 3.604e-05 ± 2.068e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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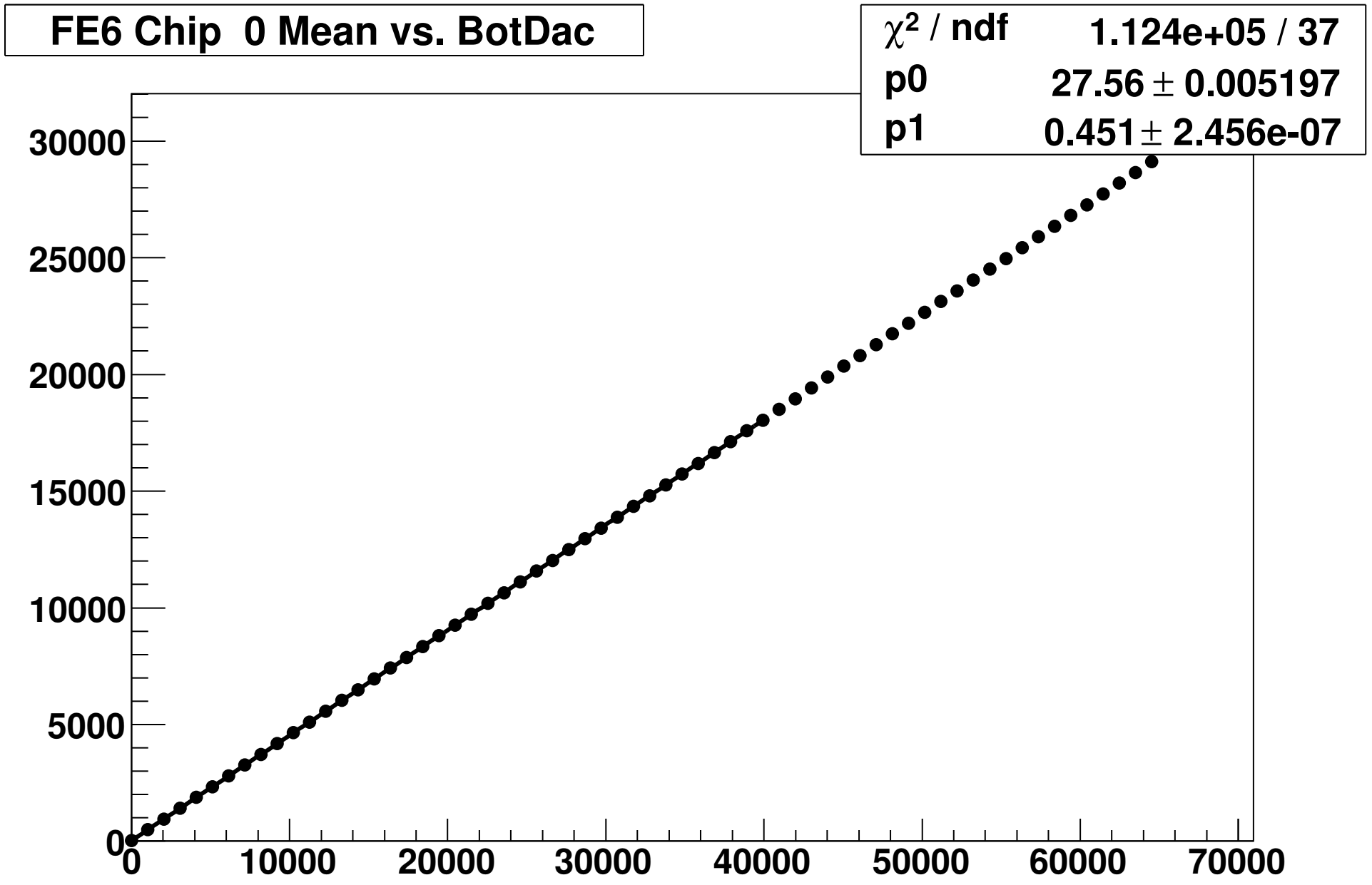
FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.124e+05 / 37
p0 27.56 ± 0.005197
p1 0.451 ± 2.456e-07
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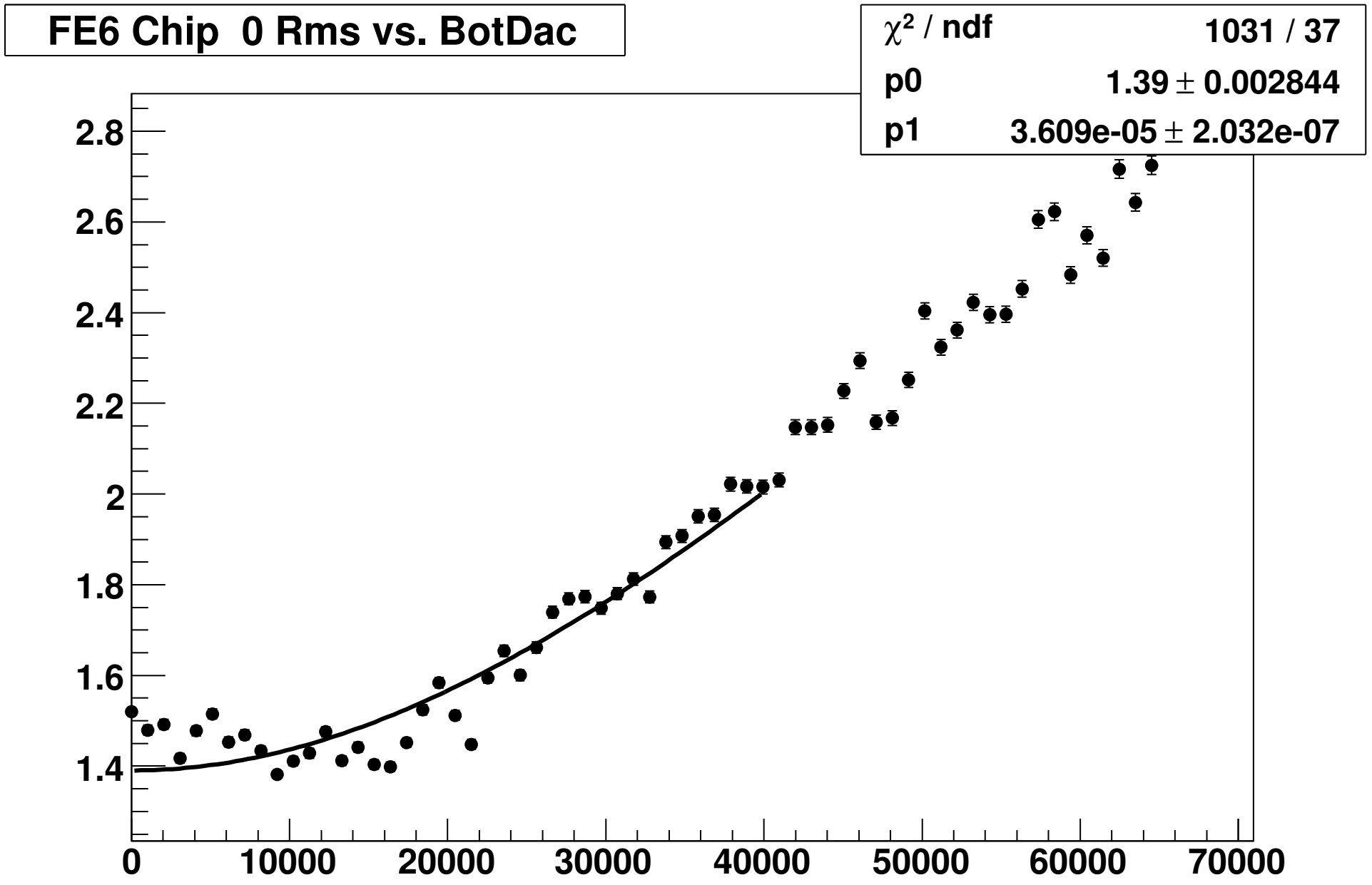
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 1031 / 37
p0 1.39 ± 0.002844
p1 3.609e-05 ± 2.032e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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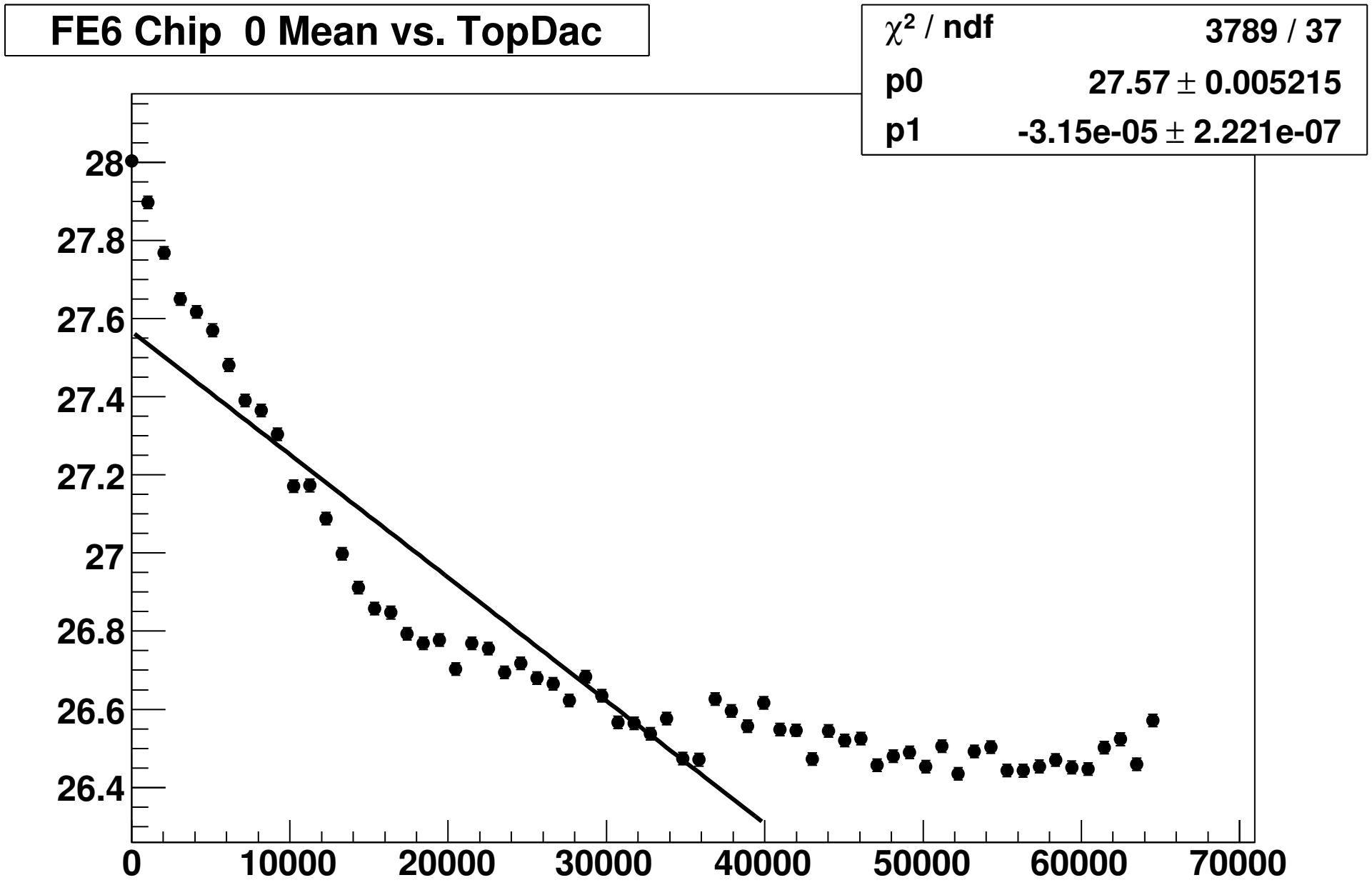
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 3789 / 37
p0 27.57 ± 0.005215
p1 -3.15e-05 ± 2.221e-07
28
27.8
27.6
27.4
27.2
27
26.8
26.6
26.4
0
10000
20000
30000
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50000
60000
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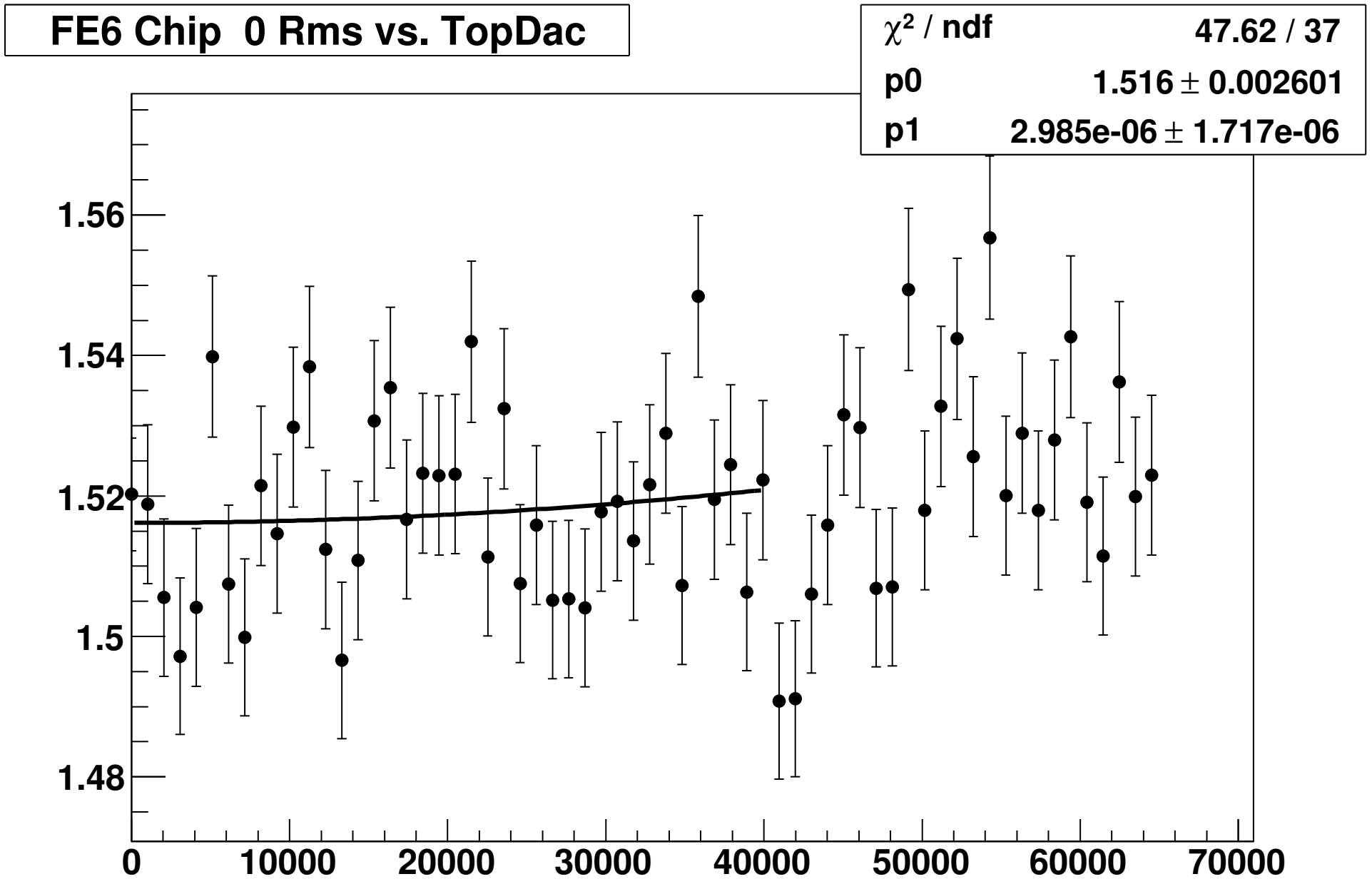
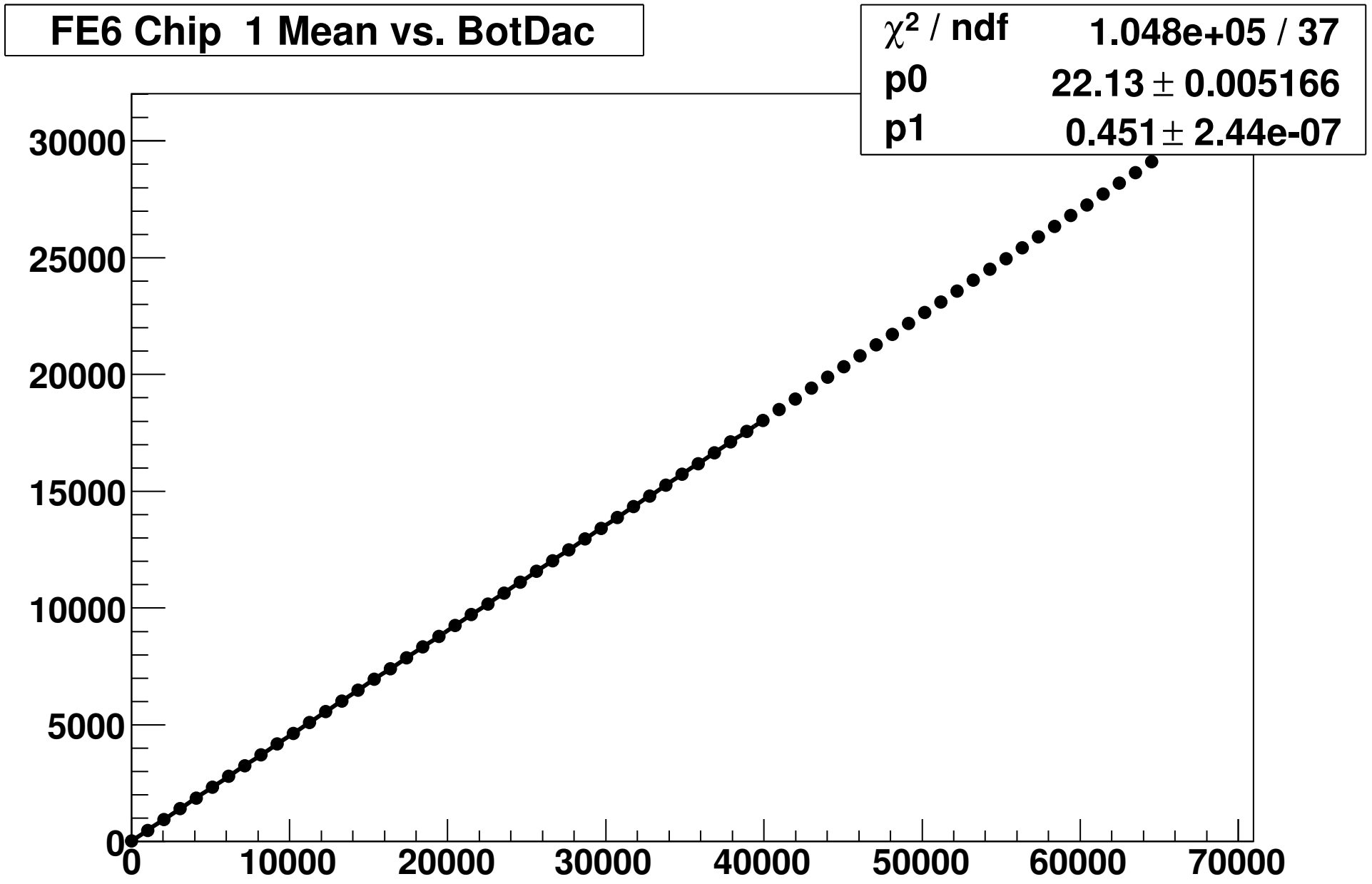

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 47.62 / 37
p0 1.516 ± 0.002601
p1 2.985e-06 ± 1.717e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.048e+05 / 37
p0 22.13 ± 0.005166
p1 0.451 ± 2.44e-07
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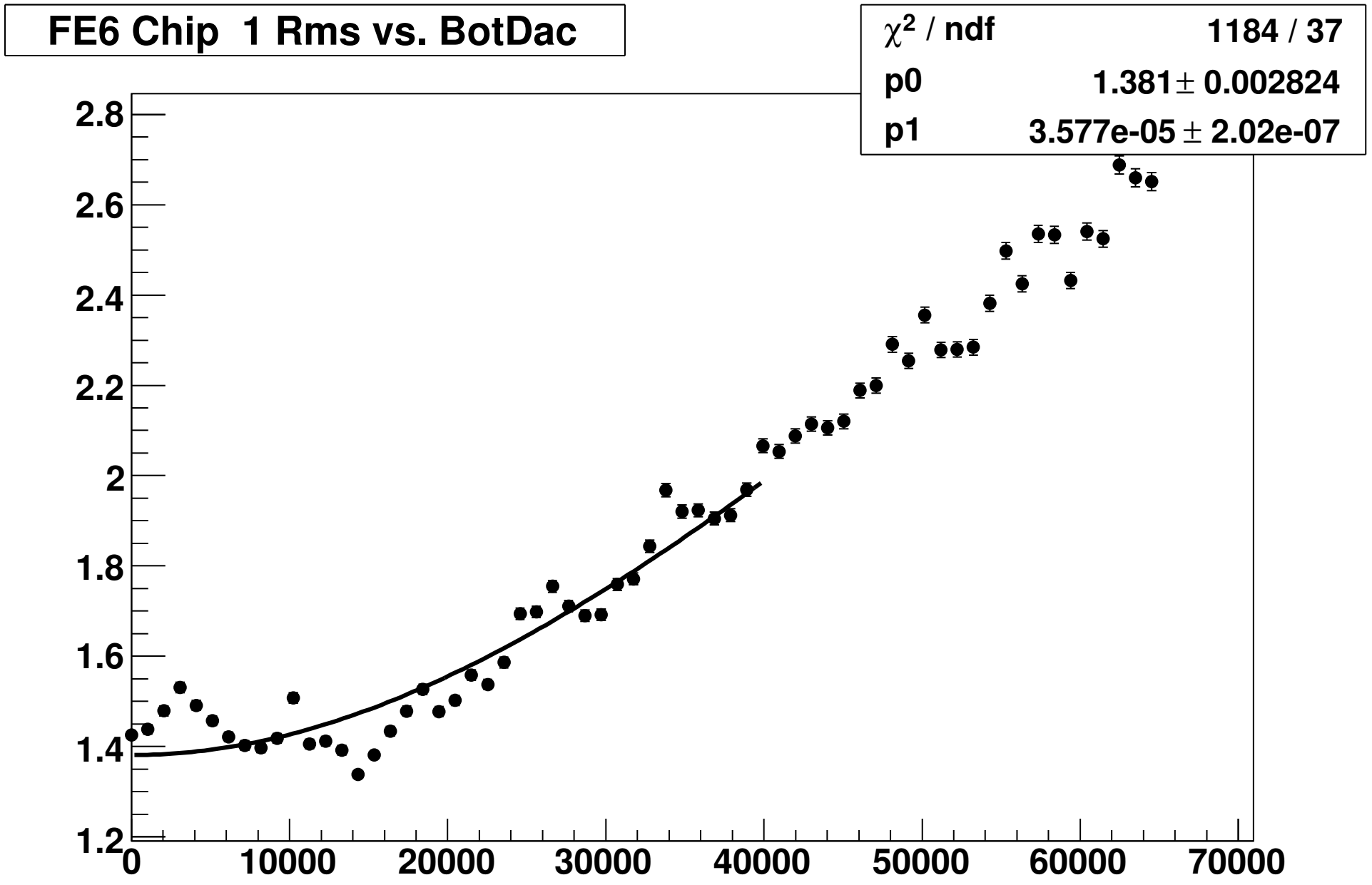
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1184 / 37
p0 1.381 ± 0.002824
p1 3.577e-05 ± 2.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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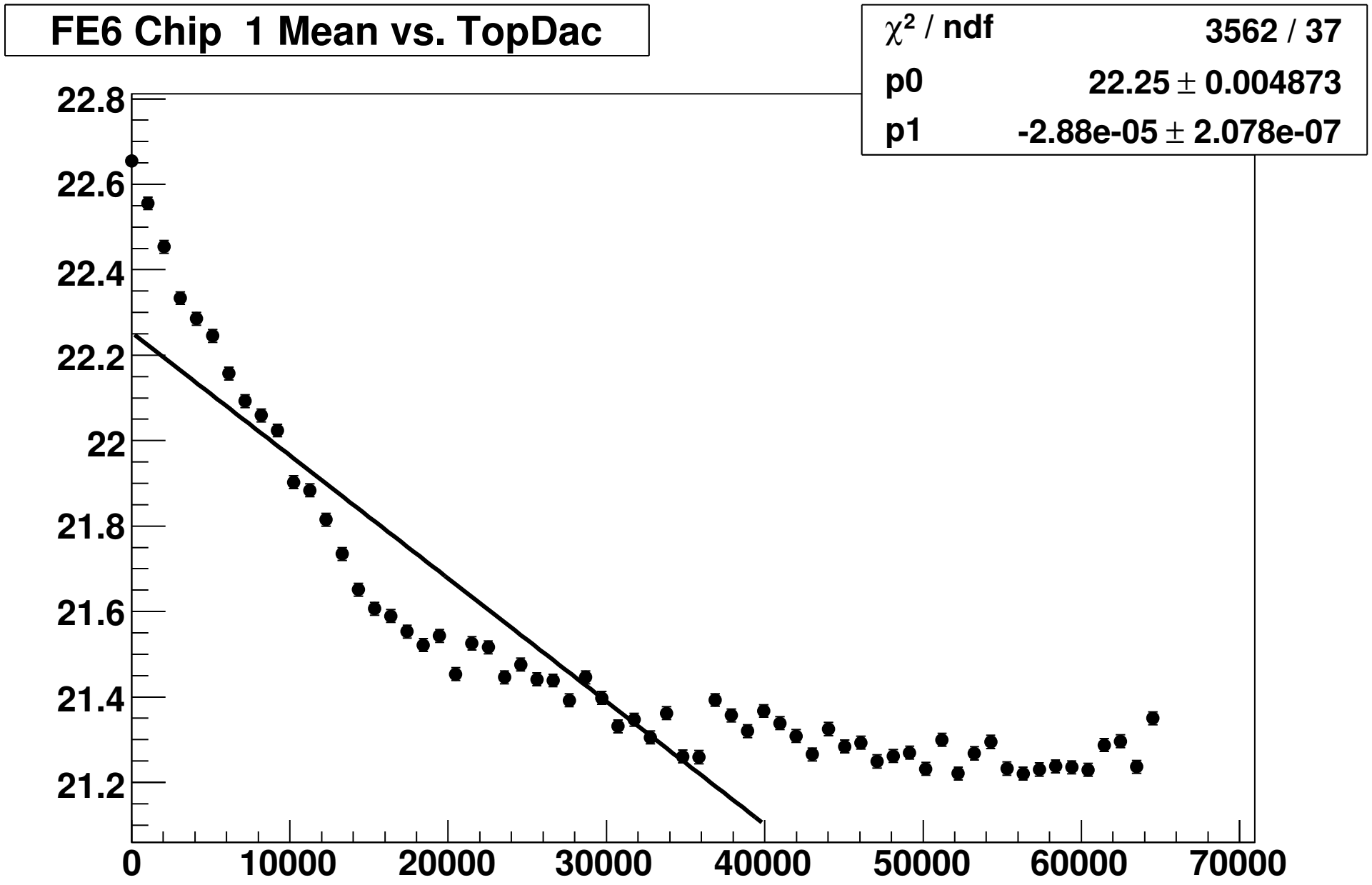
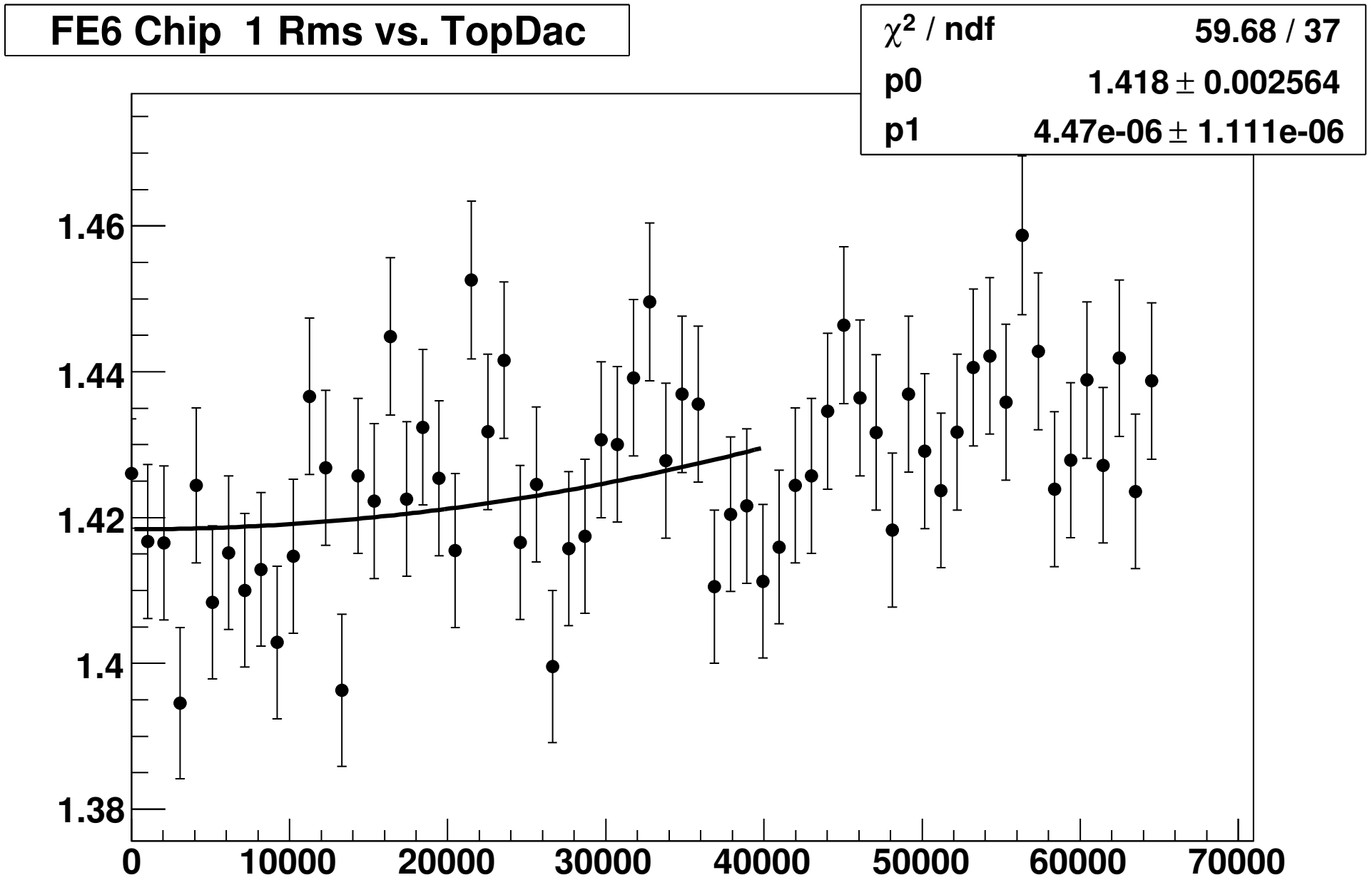
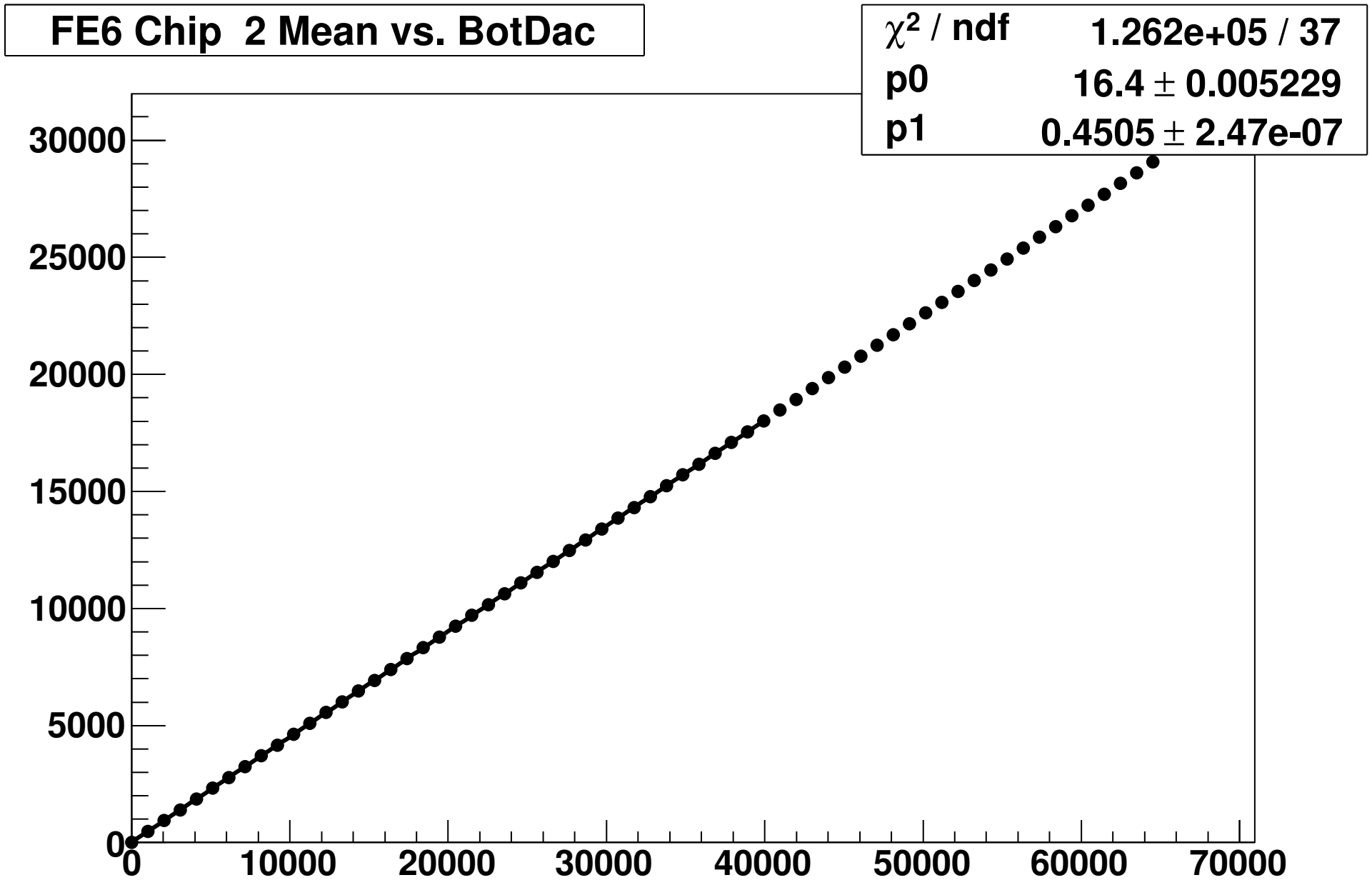
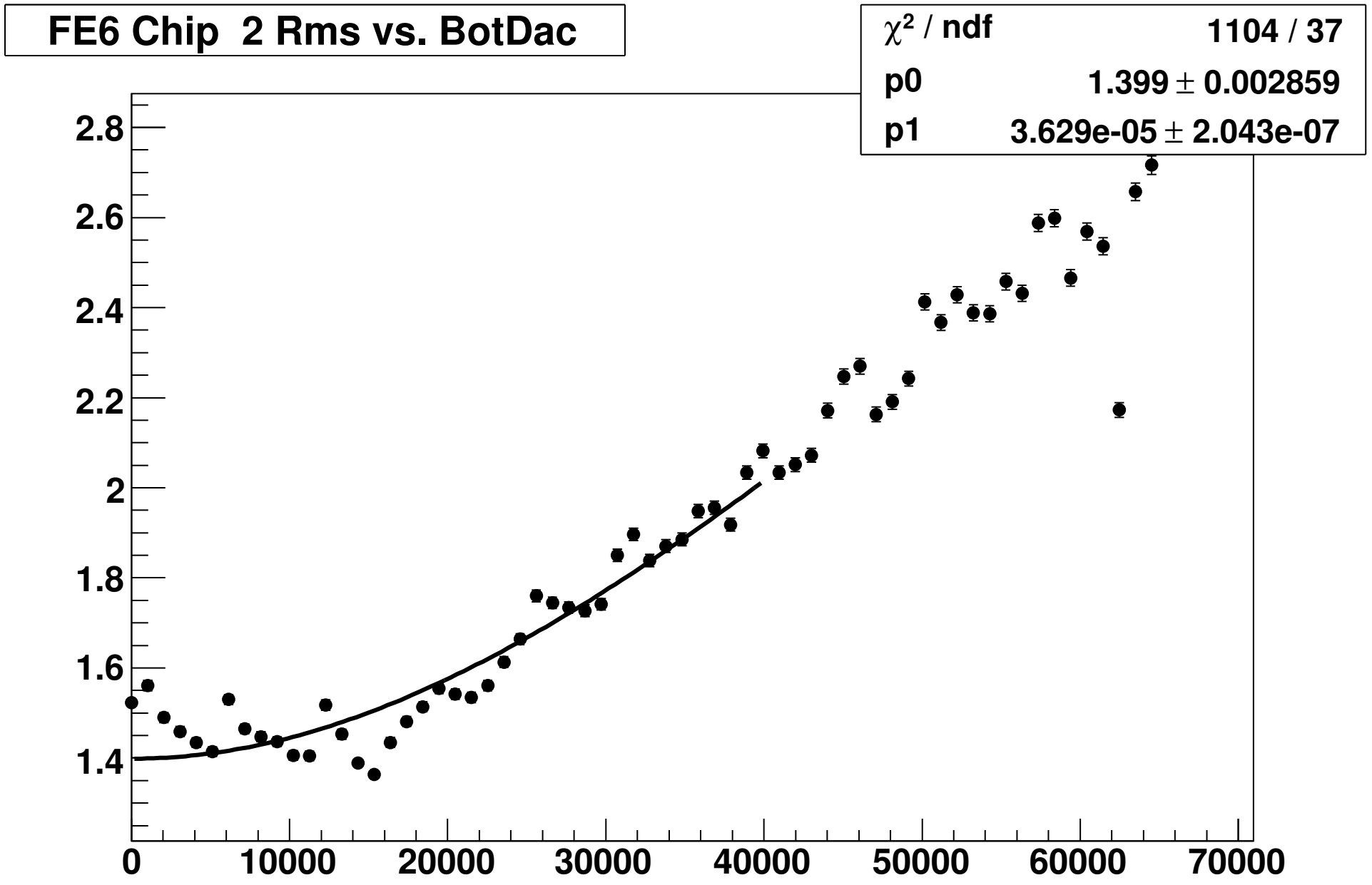

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 3562 / 37
p0 22.25 ± 0.004873
p1 -2.88e-05 ± 2.078e-07
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 59.68 / 37
p0 1.418 ± 0.002564
p1 4.47e-06 ± 1.111e-06
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.262e+05 / 37
p0 16.4 ± 0.005229
p1 0.4505 ± 2.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1104 / 37
p0 1.399 ± 0.002859
p1 3.629e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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50000
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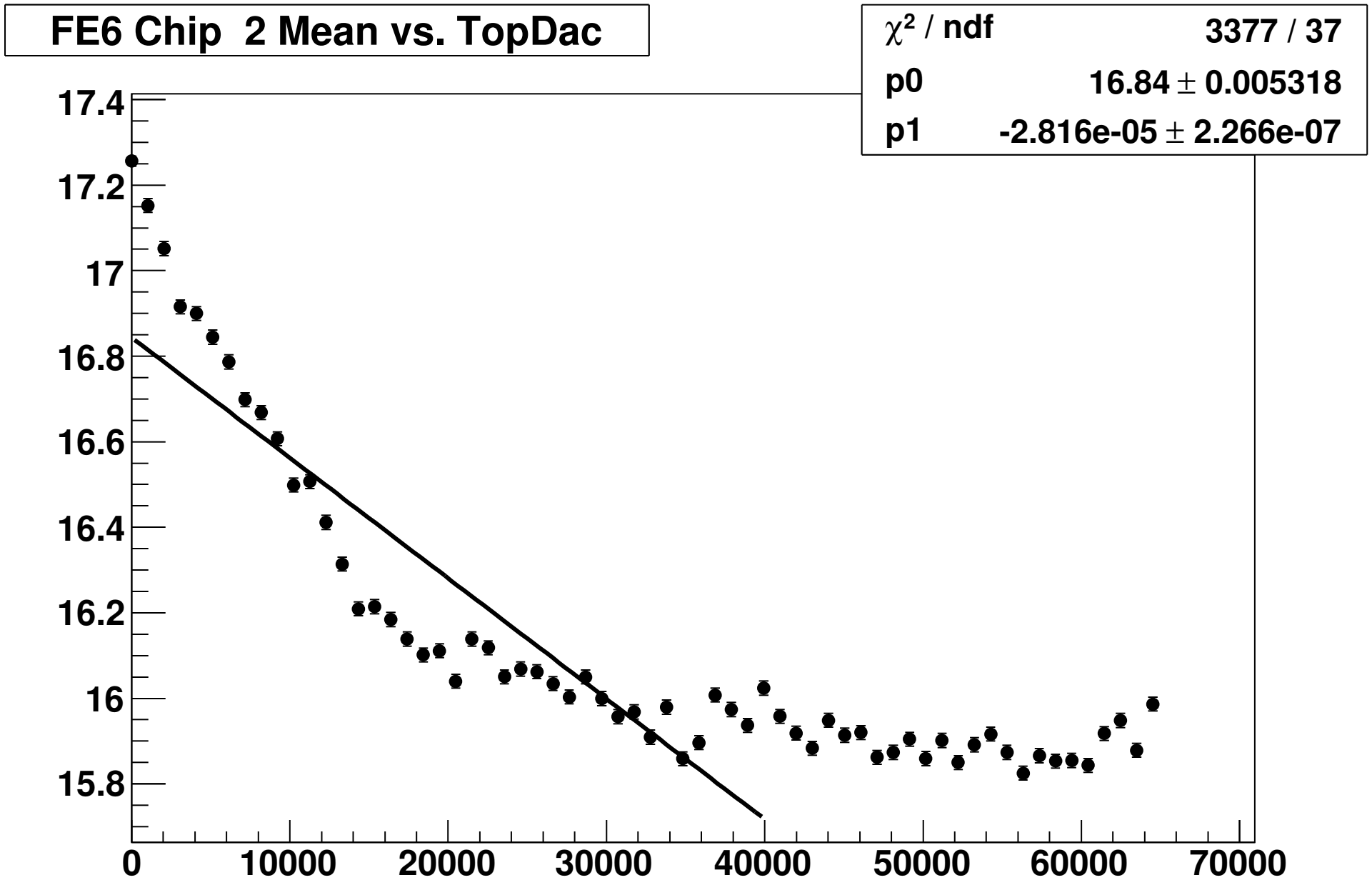
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 3377 / 37
p0 16.84 ± 0.005318
p1 -2.816e-05 ± 2.266e-07
17.4
17.2
17
16.8
16.6
16.4
16.2
16
15.8
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20000
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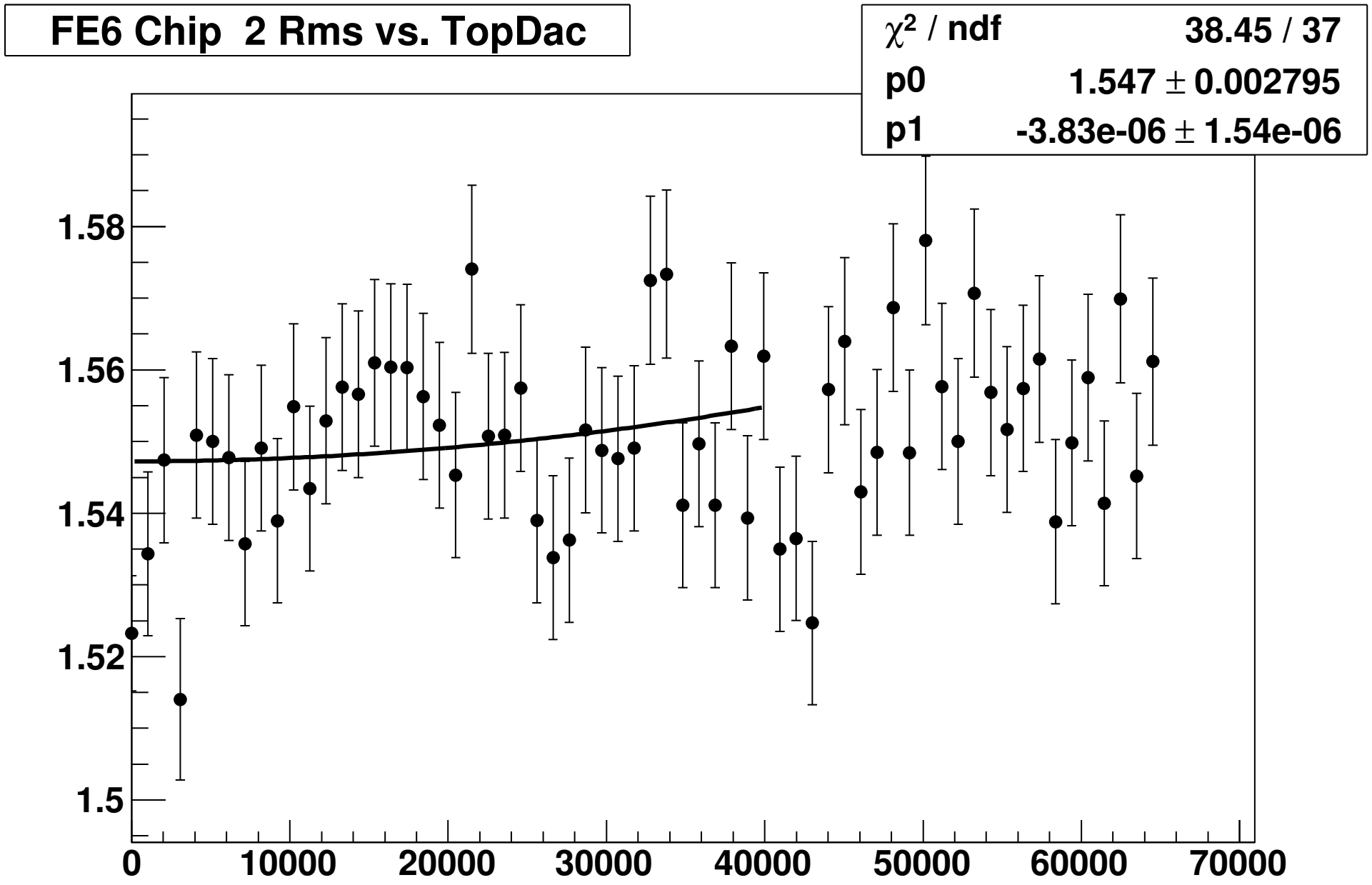
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 38.45 / 37
p0 1.547 ± 0.002795
p1 -3.83e-06 ± 1.54e-06
1.58
1.56
1.54
1.52
1.5
0
10000
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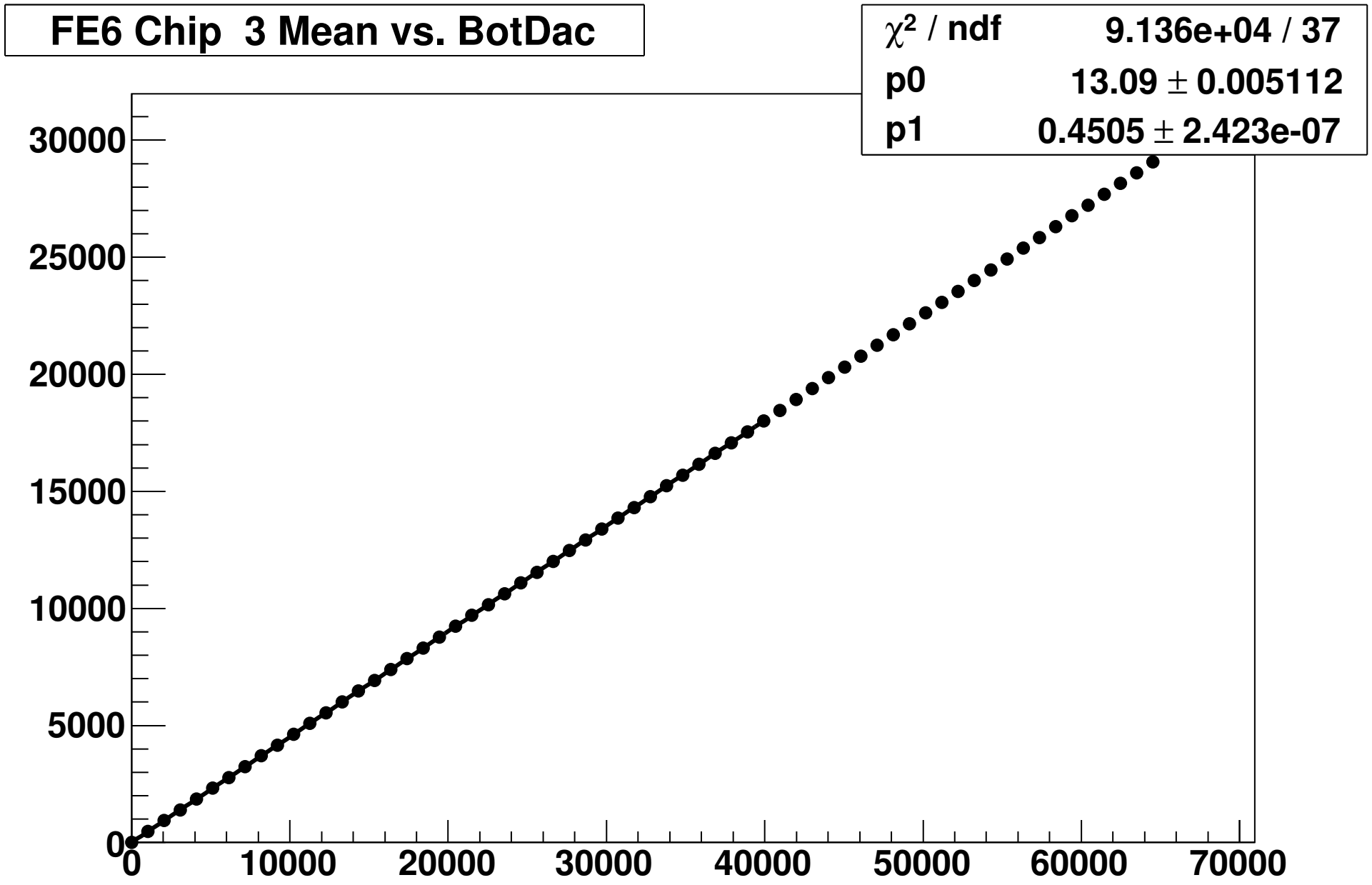
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.136e+04 / 37
p0 13.09 ± 0.005112
p1 0.4505 ± 2.423e-07
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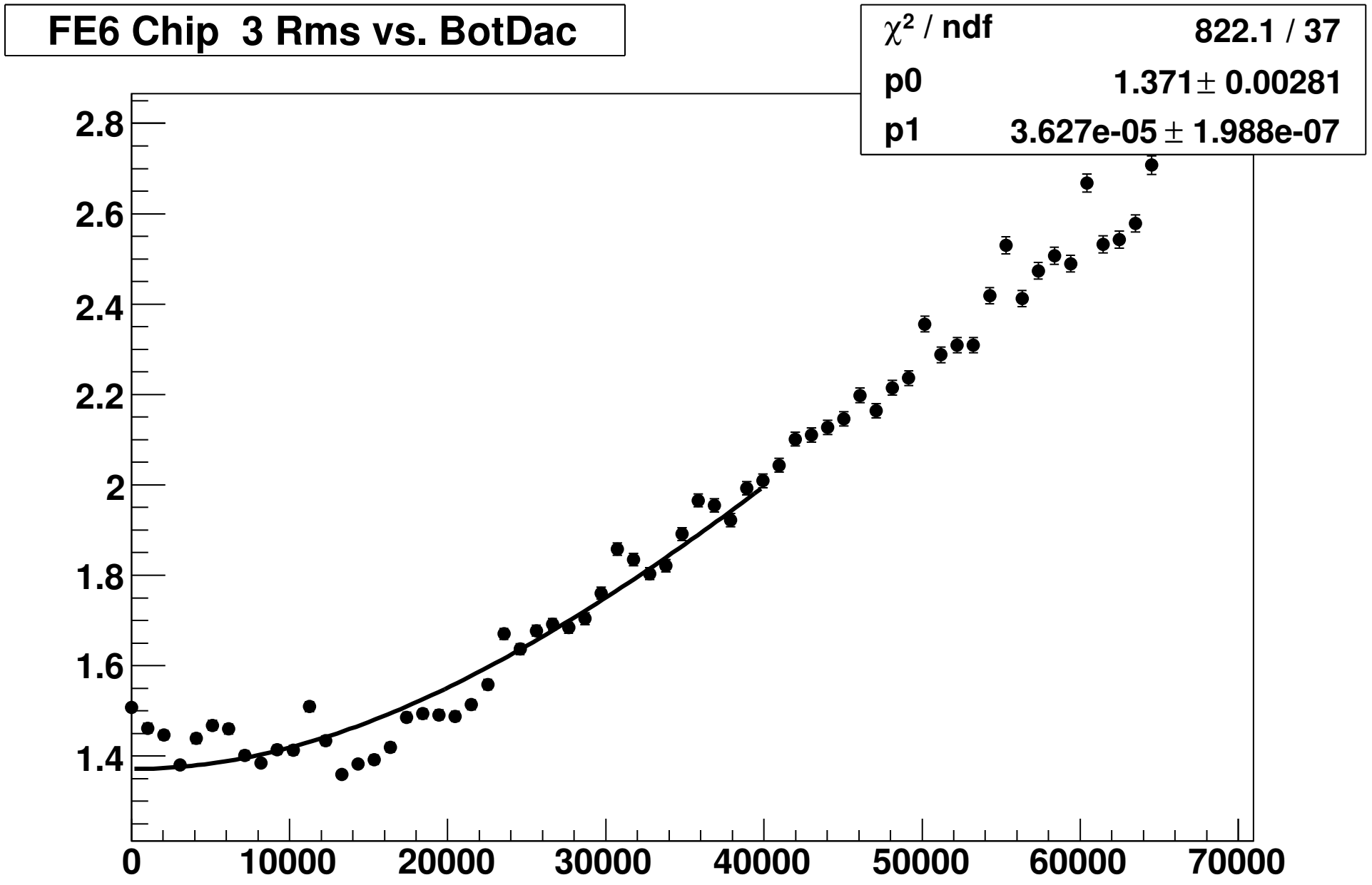
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 822.1 / 37
p0 1.371 ± 0.00281
p1 3.627e-05 ± 1.988e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
20000
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60000
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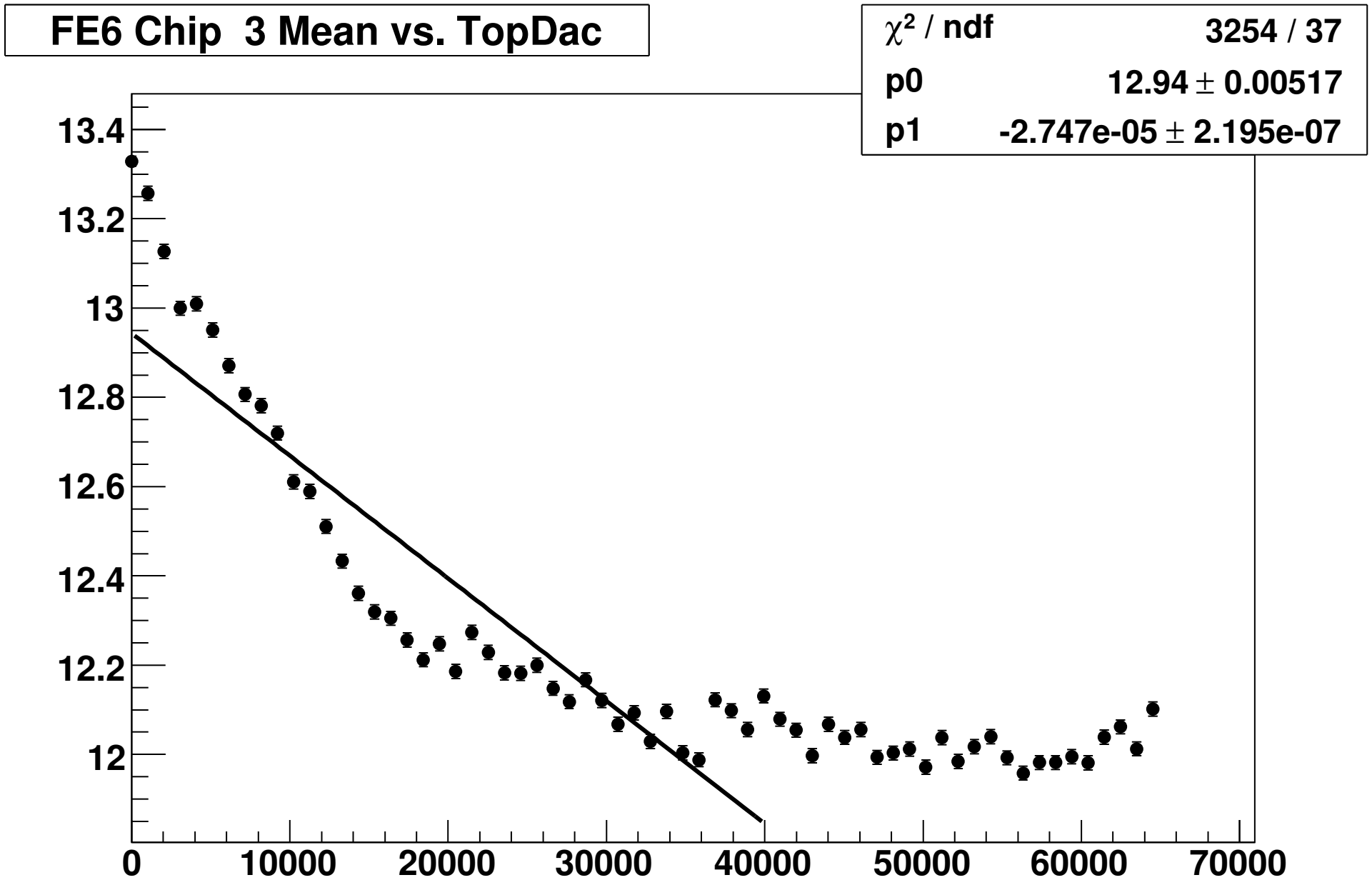
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 3254 / 37
p0 12.94 ± 0.00517
p1 -2.747e-05 ± 2.195e-07
13.4
13.2
13
12.8
12.6
12.4
12.2
12
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20000
30000
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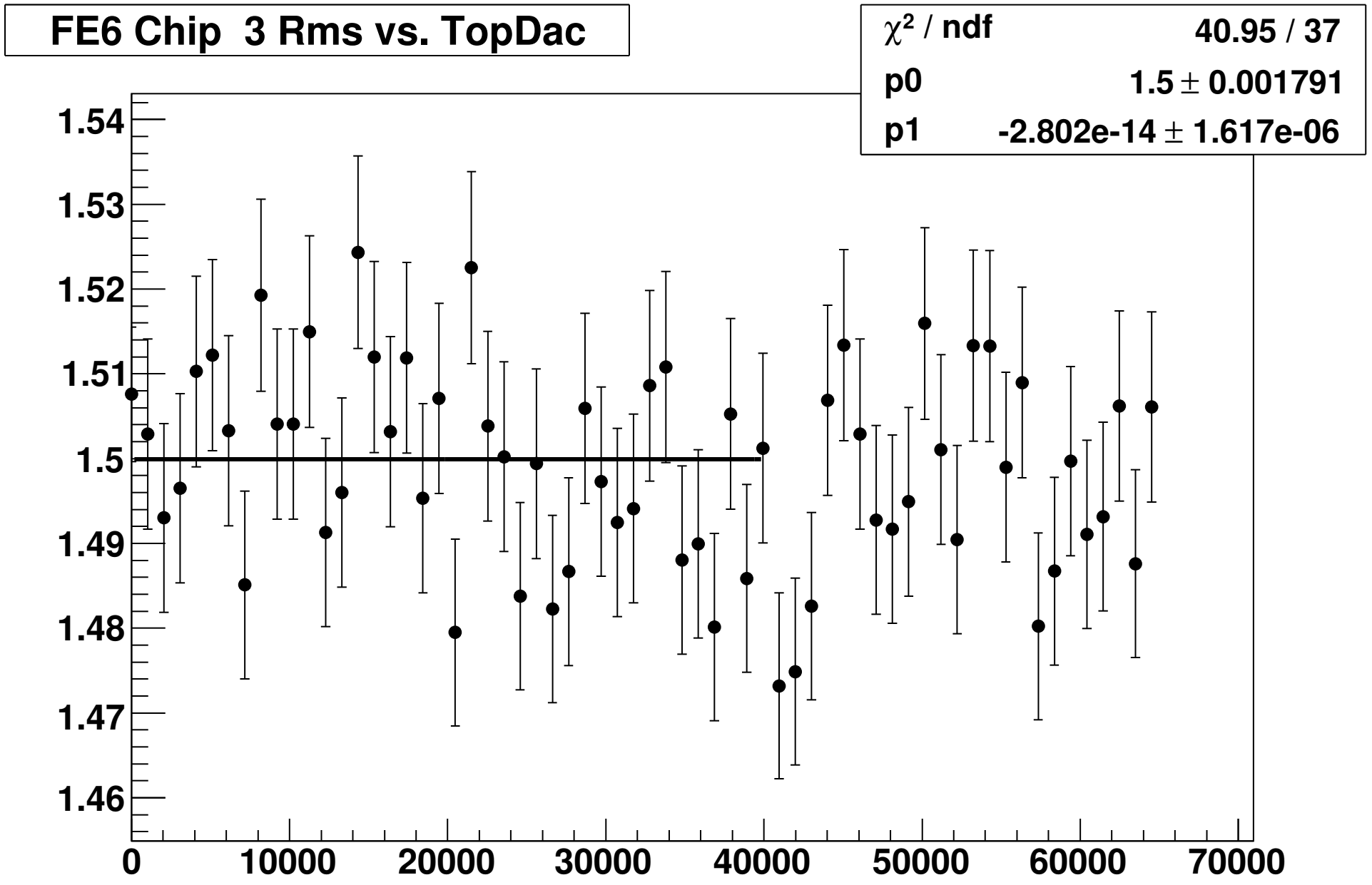
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 40.95 / 37
p0 1.5 ± 0.001791
p1 -2.802e-14 ± 1.617e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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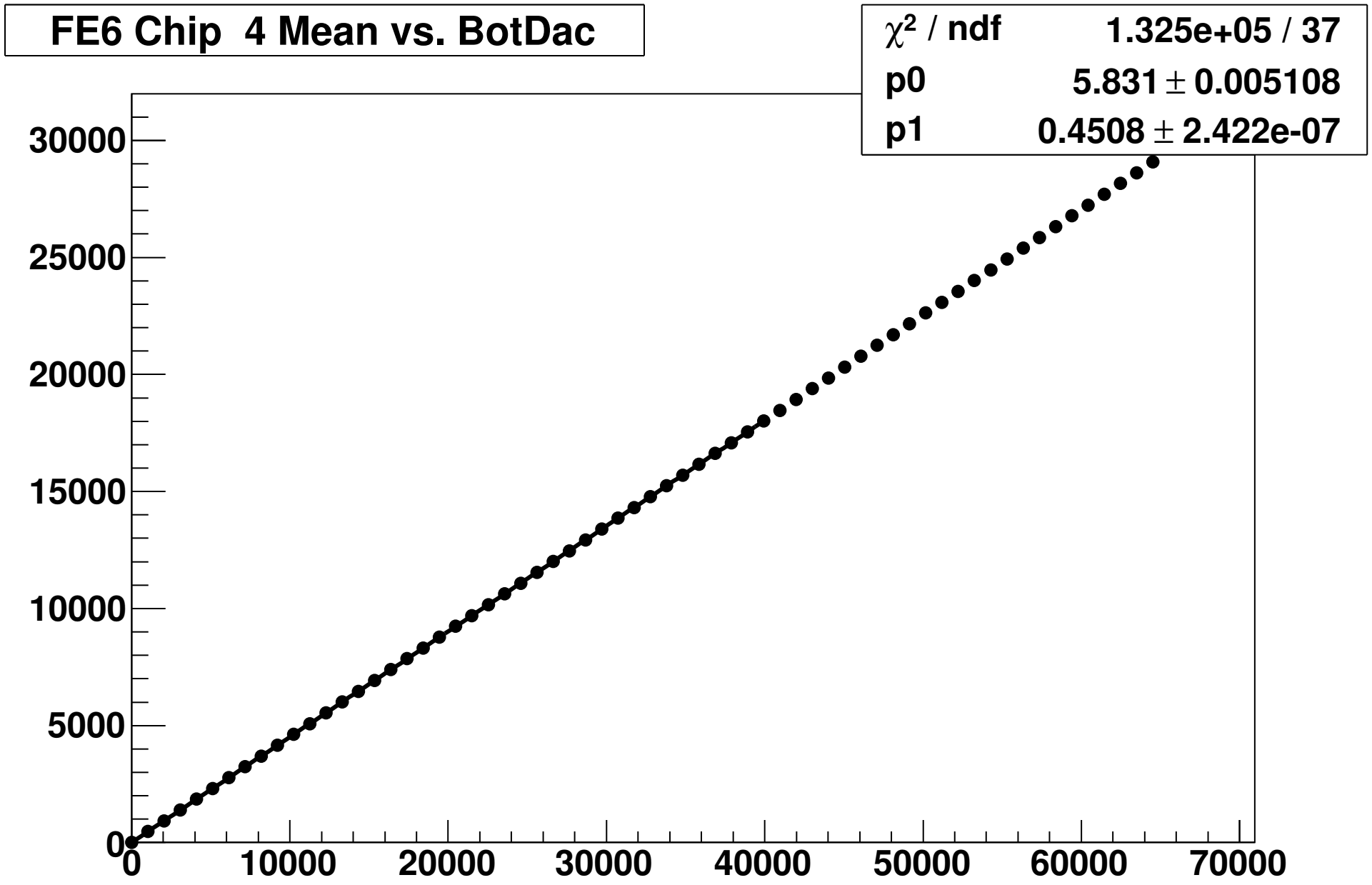
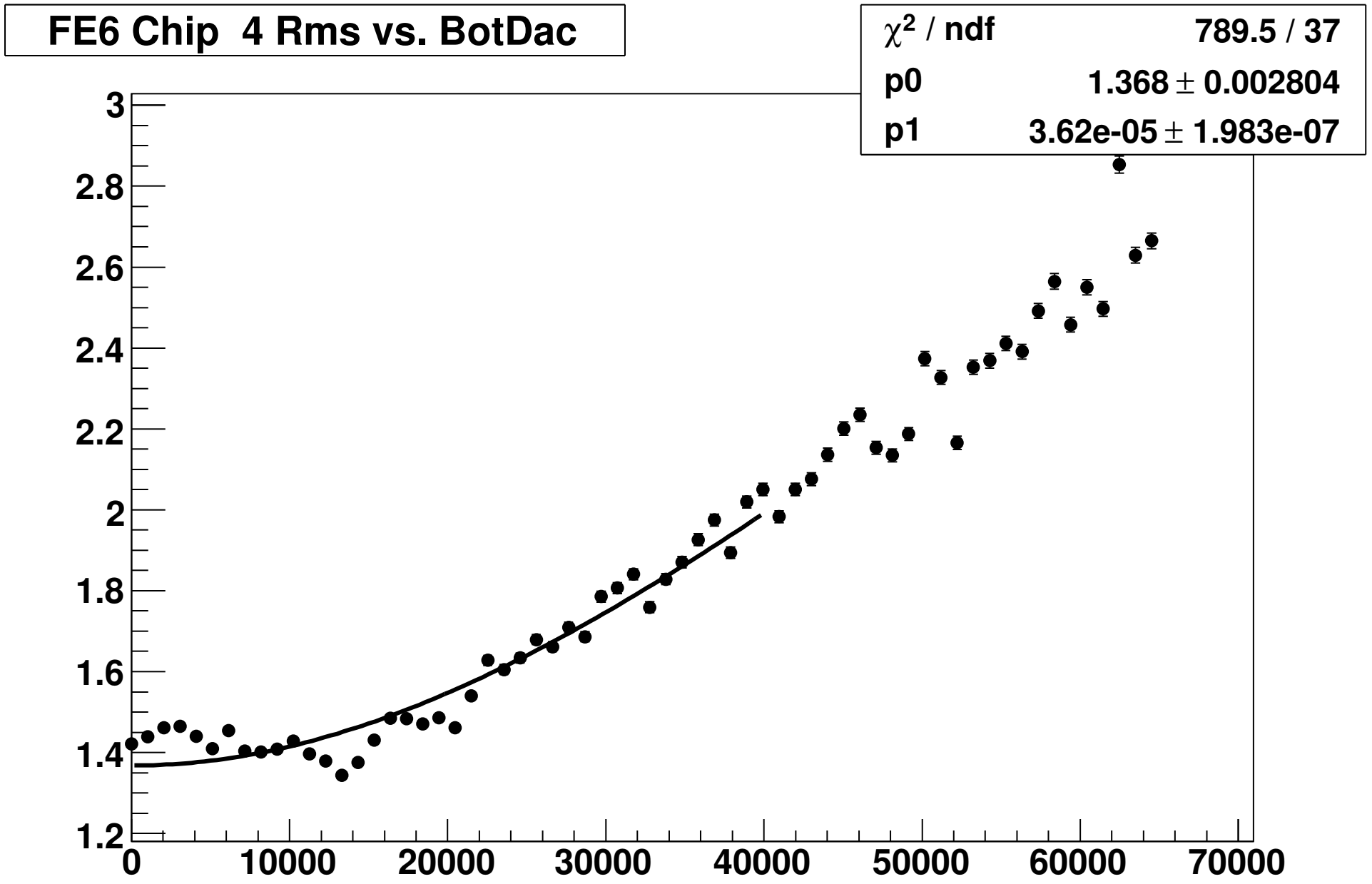
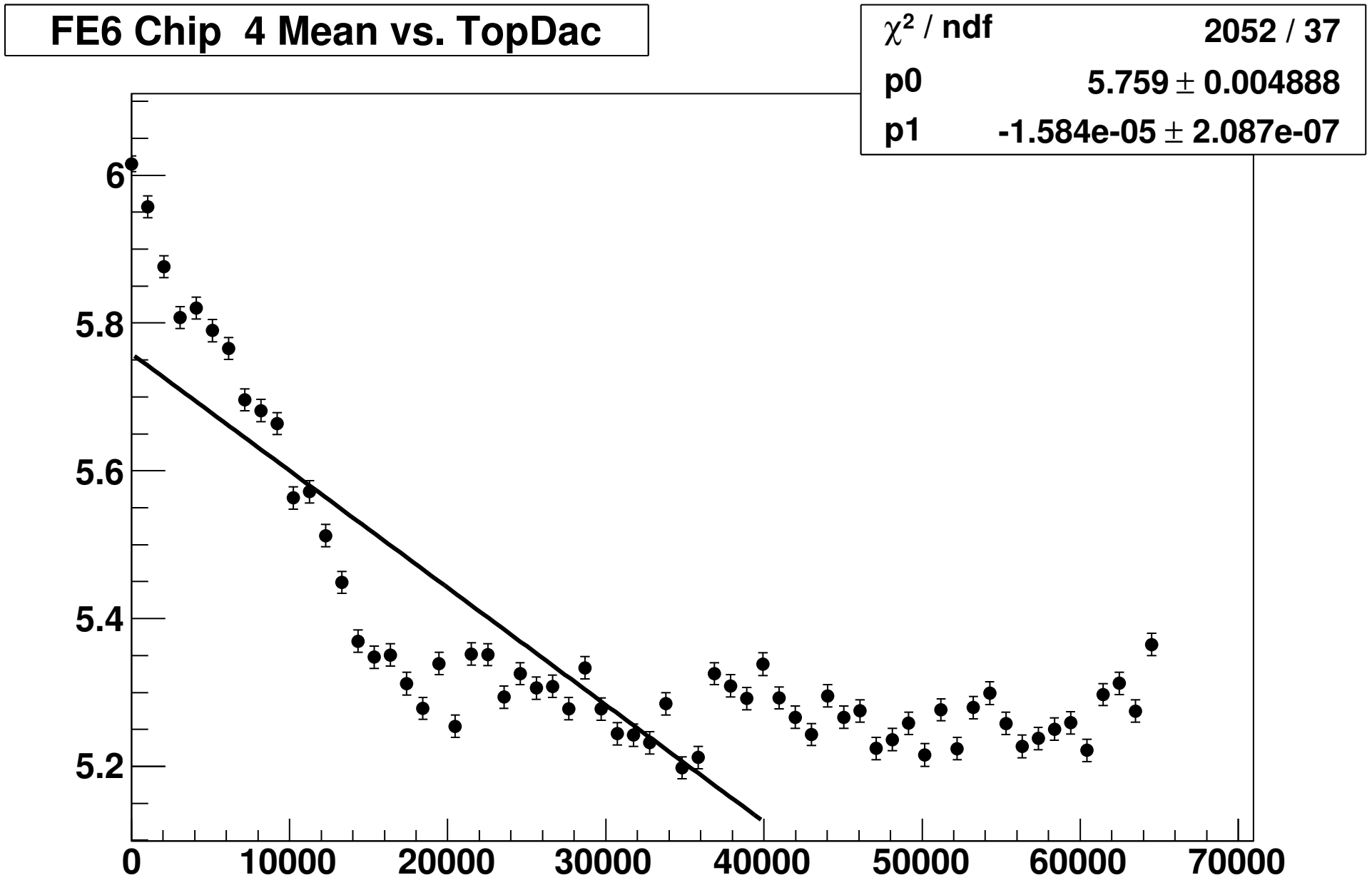

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.325e+05 / 37
p0 5.831 ± 0.005108
p1 0.4508 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 789.5 / 37
p0 1.368 ± 0.002804
p1 3.62e-05 ± 1.983e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 2052 / 37
p0 5.759 ± 0.004888
p1 -1.584e-05 ± 2.087e-07
6
5.8
5.6
5.4
5.2
0
10000
20000
30000
40000
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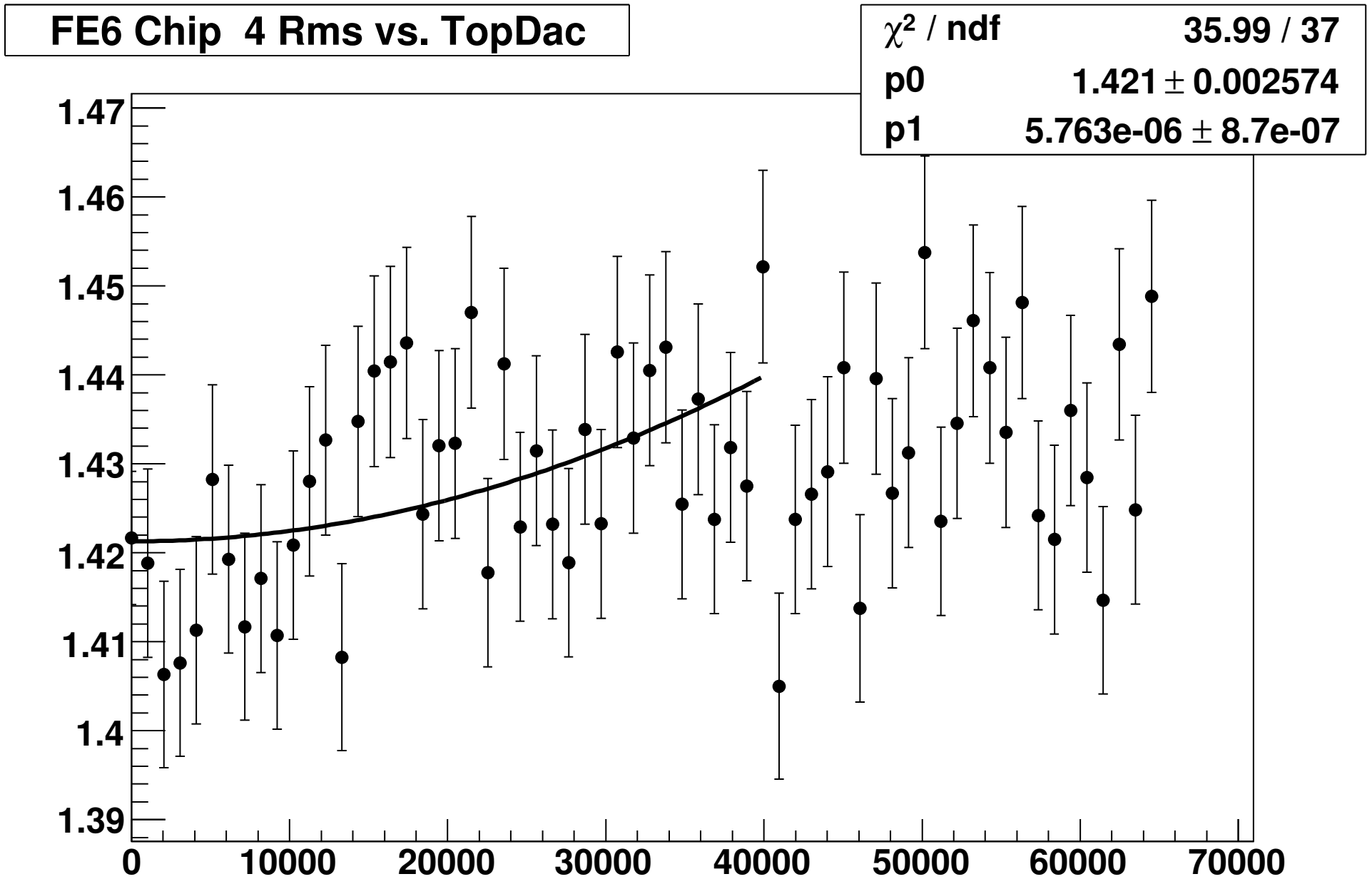
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 35.99 / 37
p0 1.421 ± 0.002574
p1 5.763e-06 ± 8.7e-07
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
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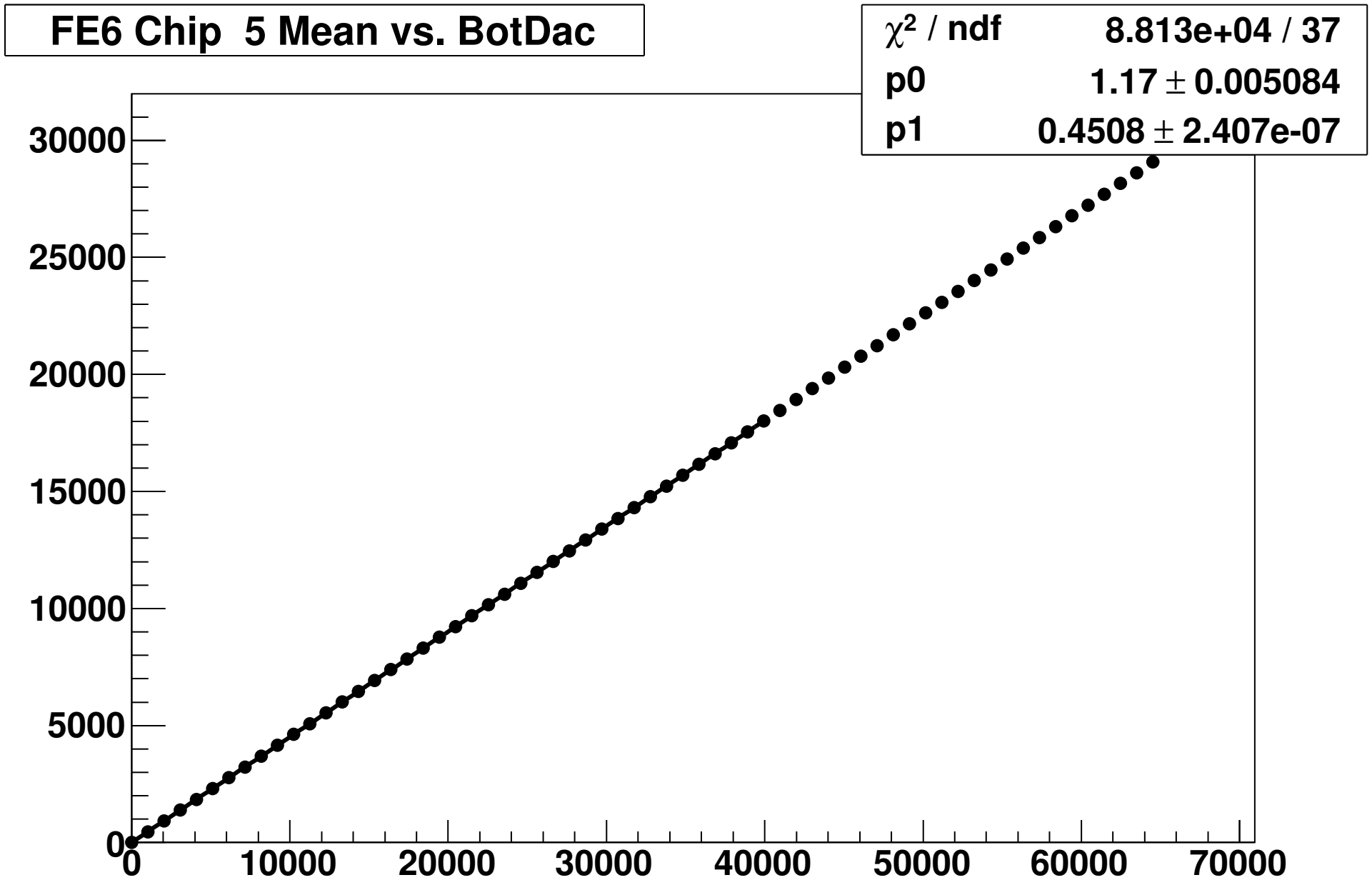
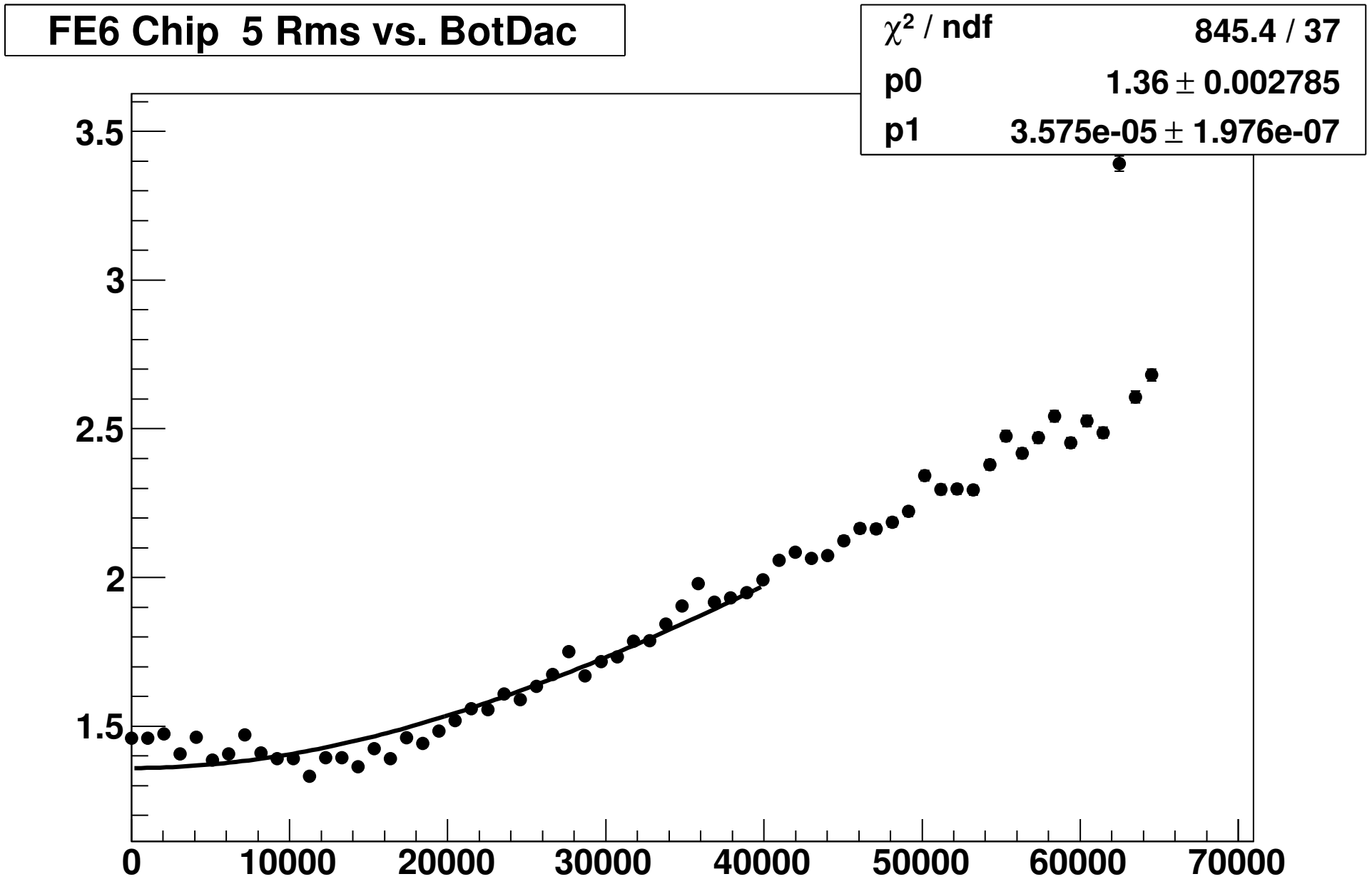
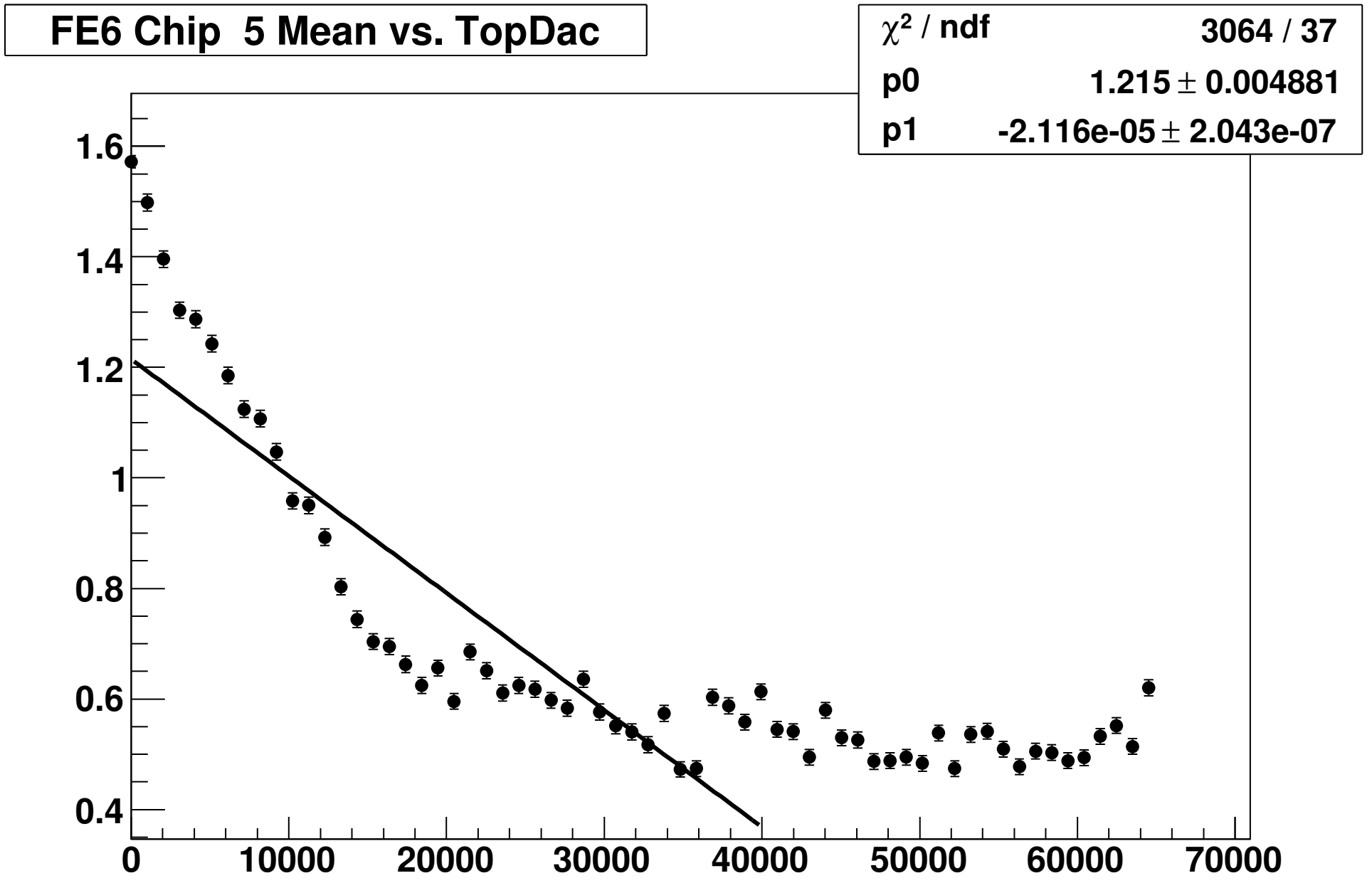

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 8.813e+04 / 37
p0 1.17 ± 0.005084
p1 0.4508 ± 2.407e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 845.4 / 37
p0 1.36 ± 0.002785
p1 3.575e-05 ± 1.976e-07
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 3064 / 37
p0 1.215 ± 0.004881
p1 -2.116e-05 ± 2.043e-07
1.6
1.4
1.2
1
0.8
0.6
0.4
0
10000
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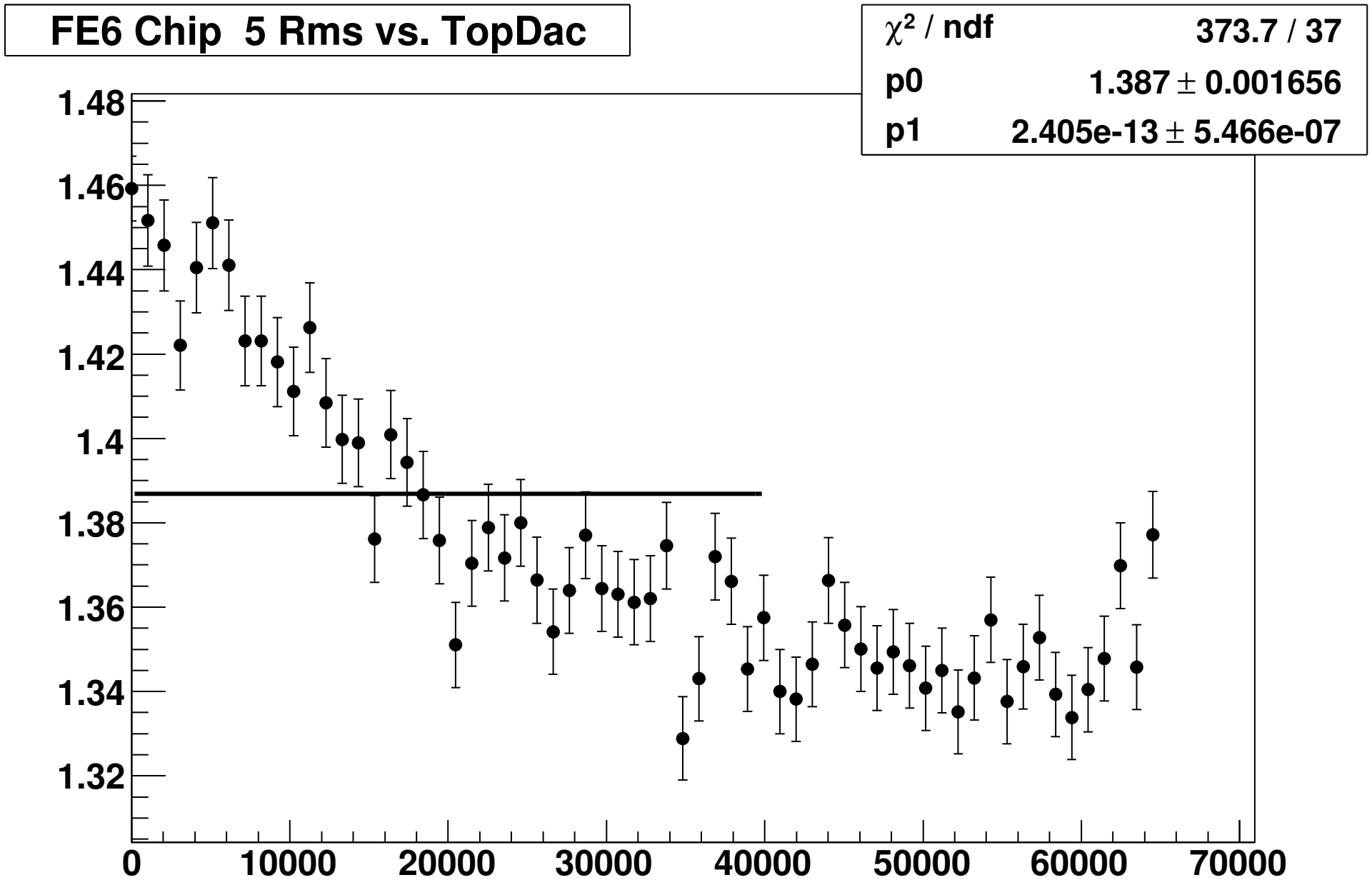
FE6 Chip 5 Rms vs. TopDac
χ² / ndf 373.7 / 37
p0 1.387 ± 0.001656
p1 2.405e-13 ± 5.466e-07
1.48
1.46
1.44
1.42
1.4
1.38
1.36
1.34
1.32
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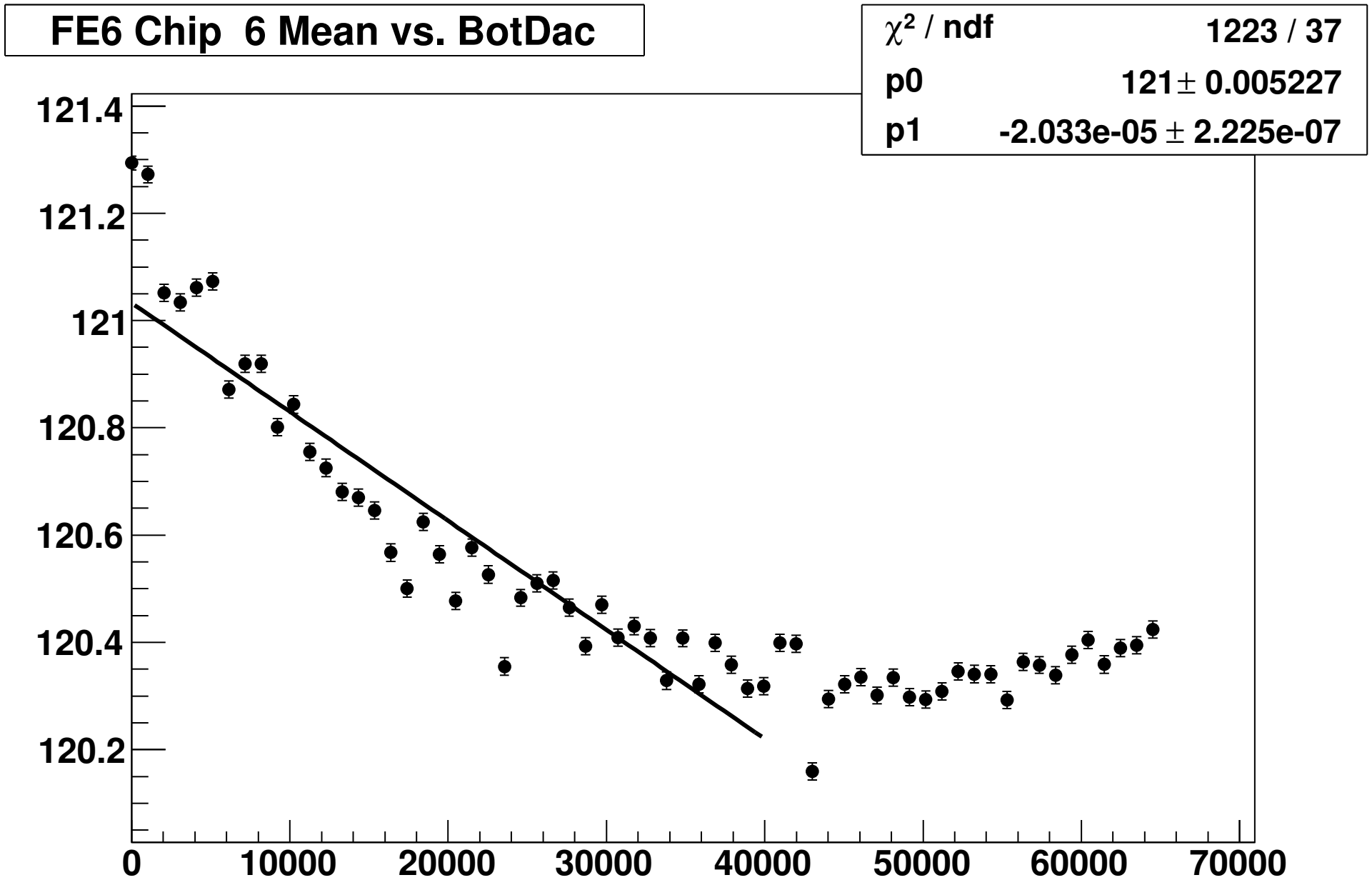
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 1223 / 37
p0 121 ± 0.005227
p1 -2.033e-05 ± 2.225e-07
121.4
121.2
121
120.8
120.6
120.4
120.2
0
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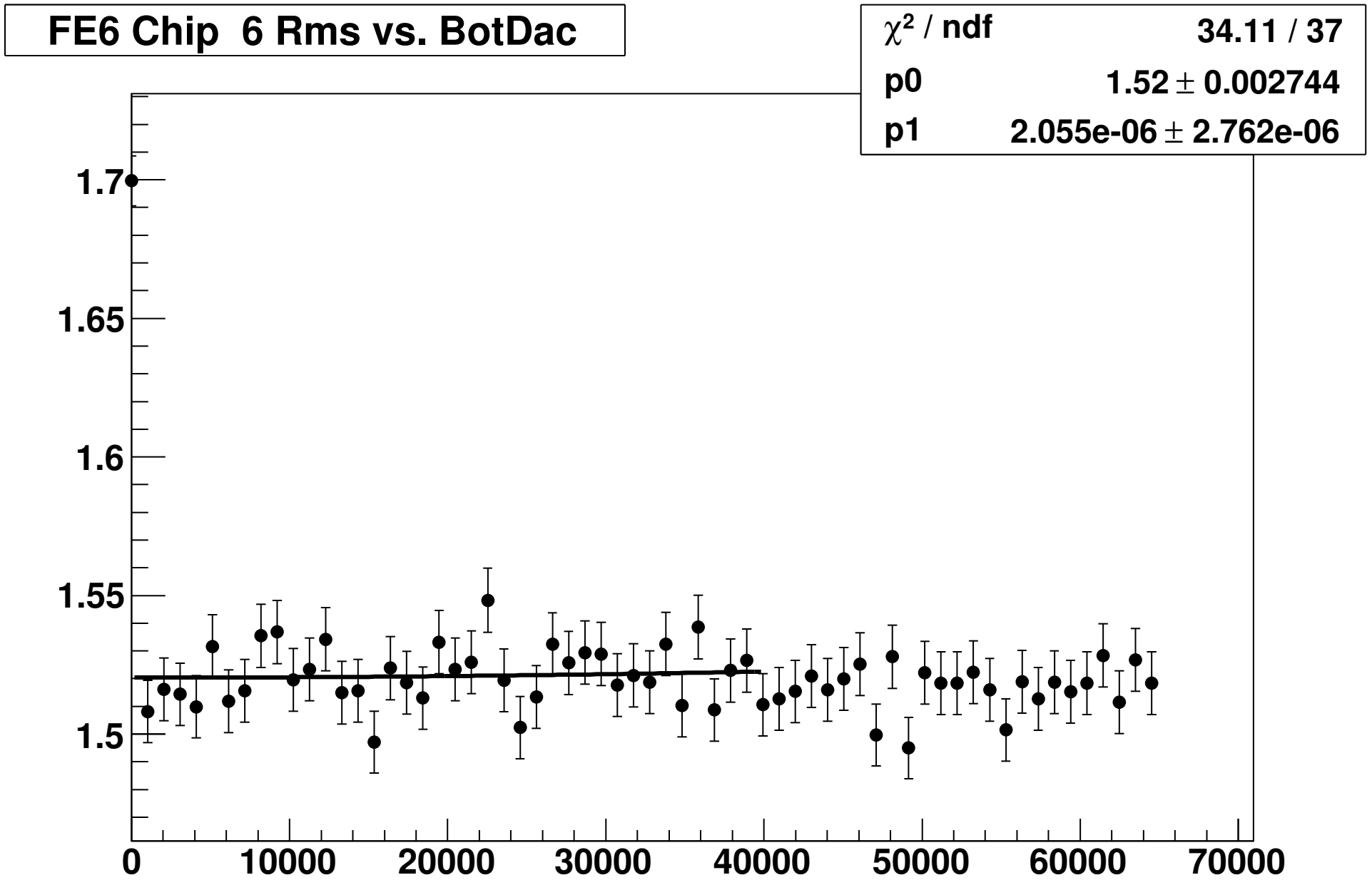
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 34.11 / 37
p0 1.52 ± 0.002744
p1 2.055e-06 ± 2.762e-06
1.7
1.65
1.6
1.55
1.5
0
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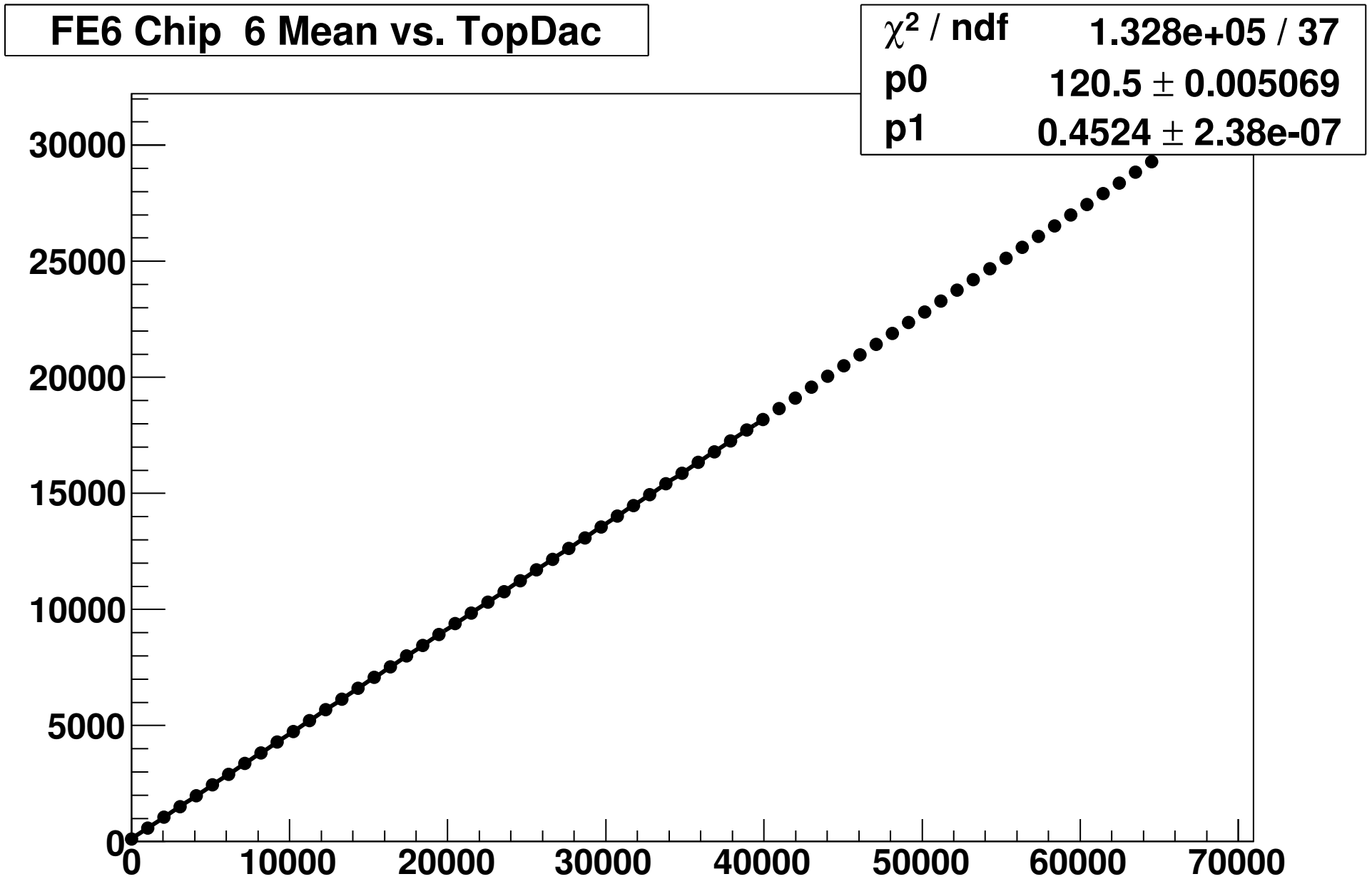
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.328e+05 / 37
p0 120.5 ± 0.005069
p1 0.4524 ± 2.38e-07
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20000
15000
10000
5000
0
0
10000
20000
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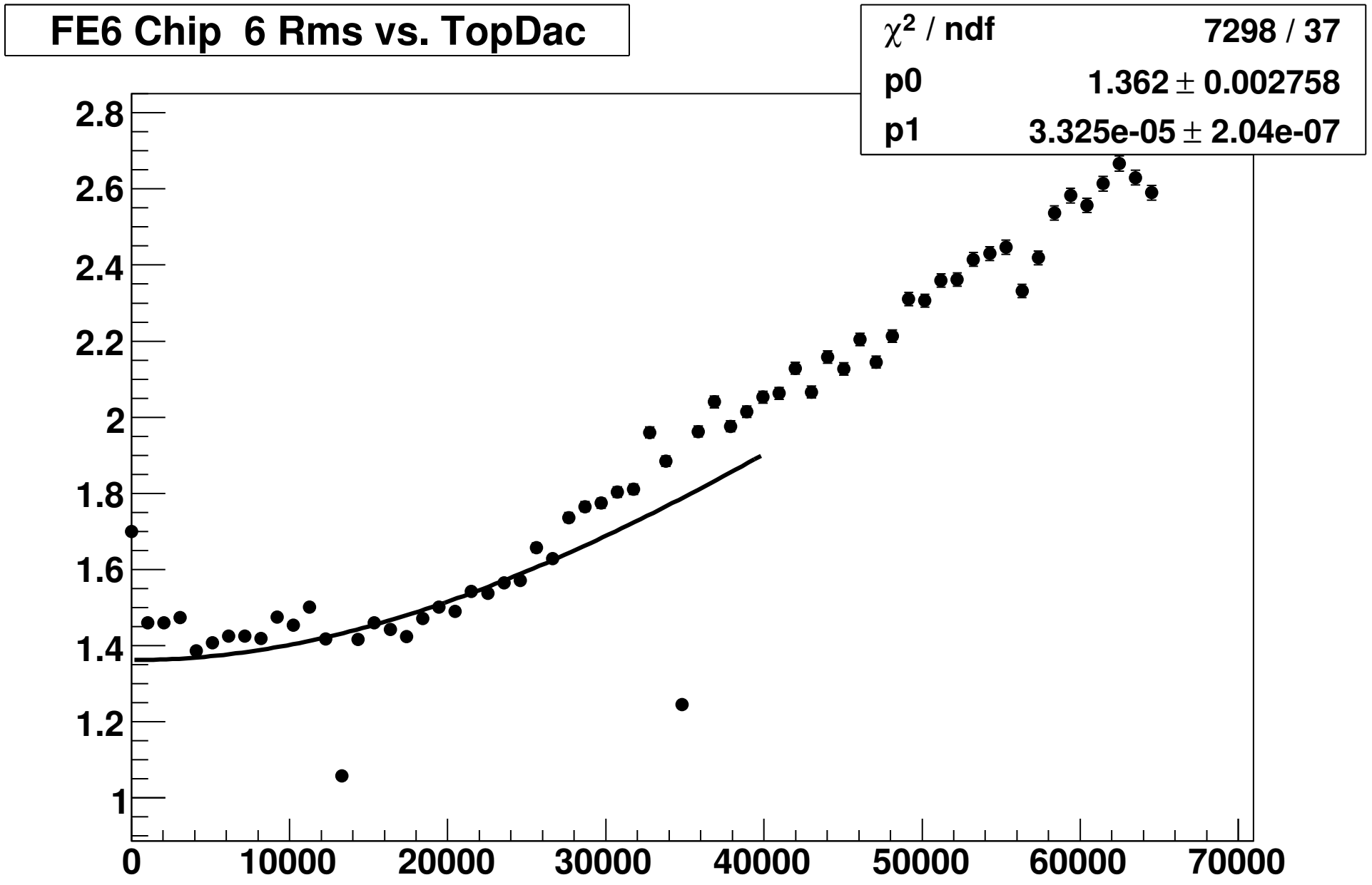
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 7298 / 37
p0 1.362 ± 0.002758
p1 3.325e-05 ± 2.04e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
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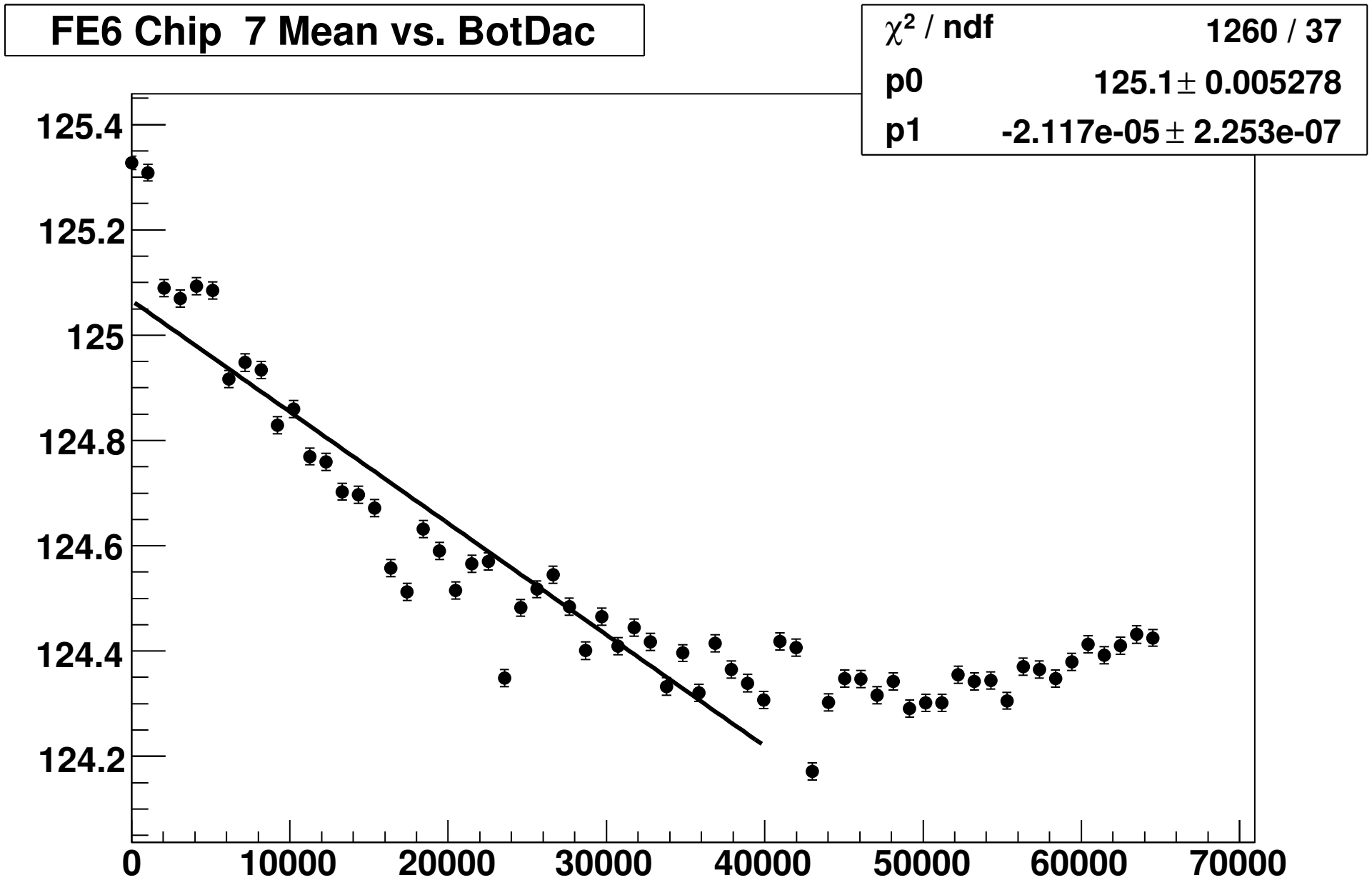
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 1260 / 37
p0 125.1 ± 0.005278
p1 -2.117e-05 ± 2.253e-07
125.4
125.2
125
124.8
124.6
124.4
124.2
0
10000
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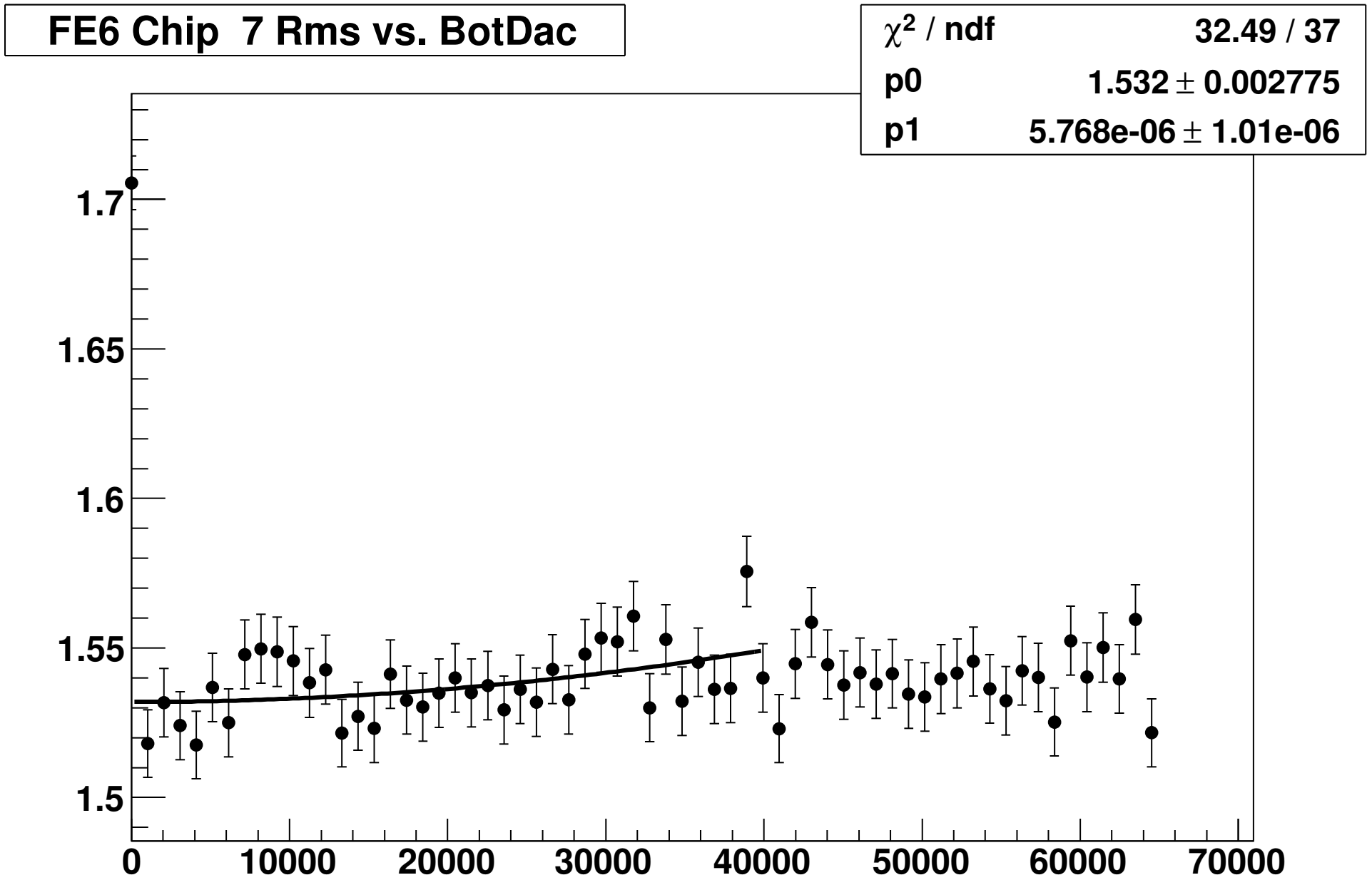
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 32.49 / 37
p0 1.532 ± 0.002775
p1 5.768e-06 ± 1.01e-06
1.7
1.65
1.6
1.55
1.5
0
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20000
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60000
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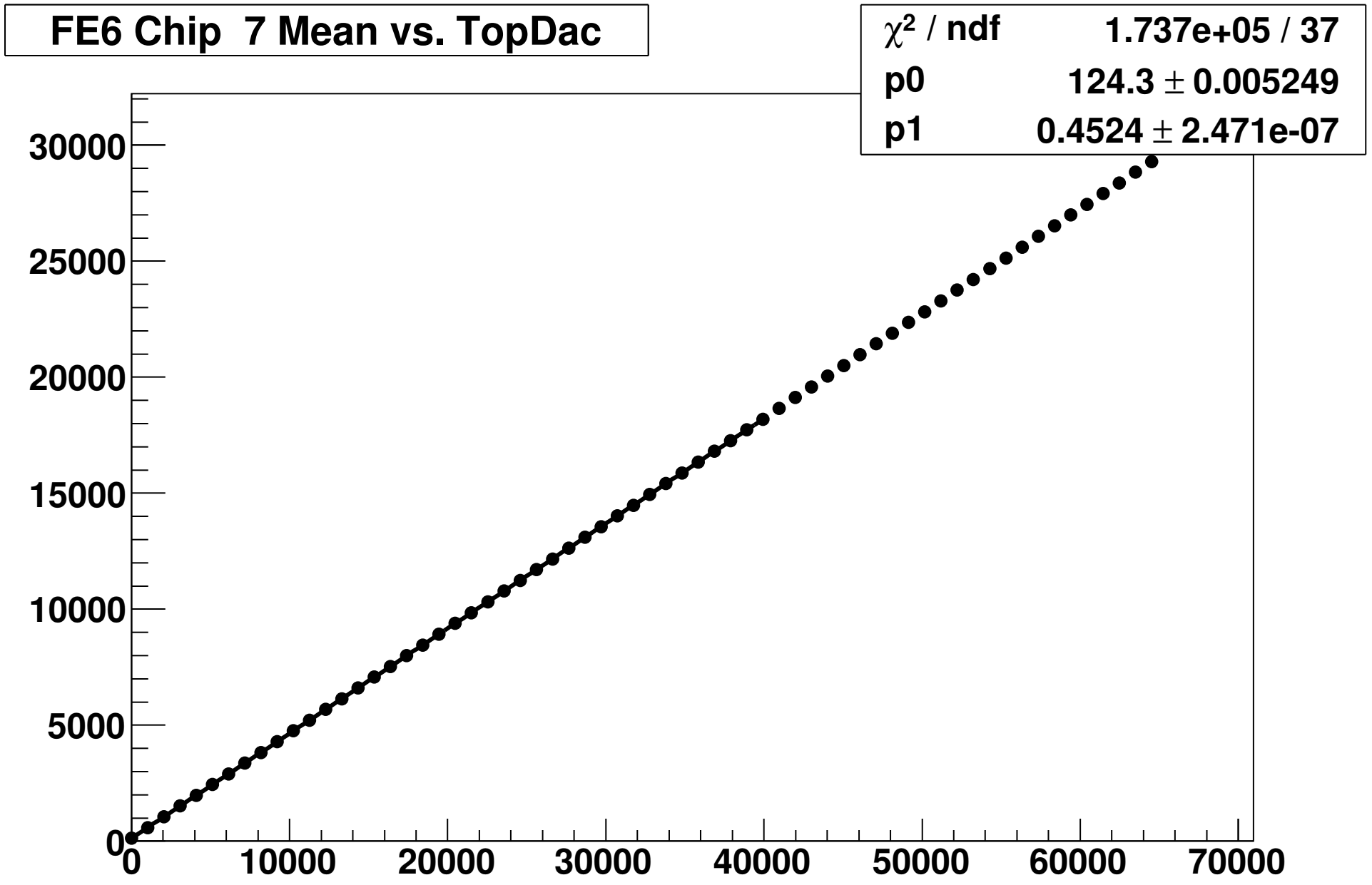
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.737e+05 / 37
p0 124.3 ± 0.005249
p1 0.4524 ± 2.471e-07
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15000
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5000
0
0
10000
20000
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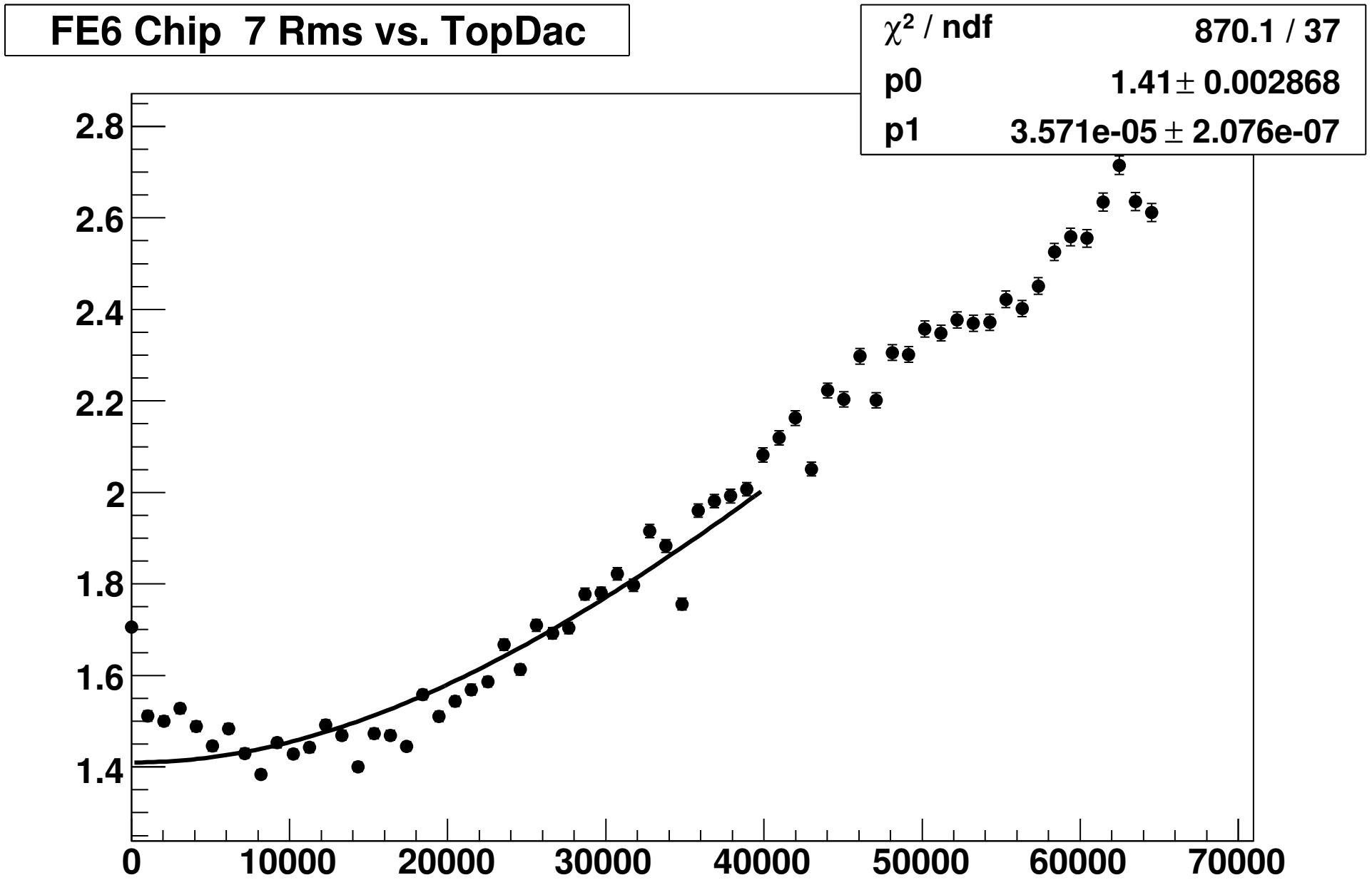
FE6 Chip 7 Rms vs. TopDac
χ² / ndf 870.1 / 37
p0 1.41 ± 0.002868
p1 3.571e-05 ± 2.076e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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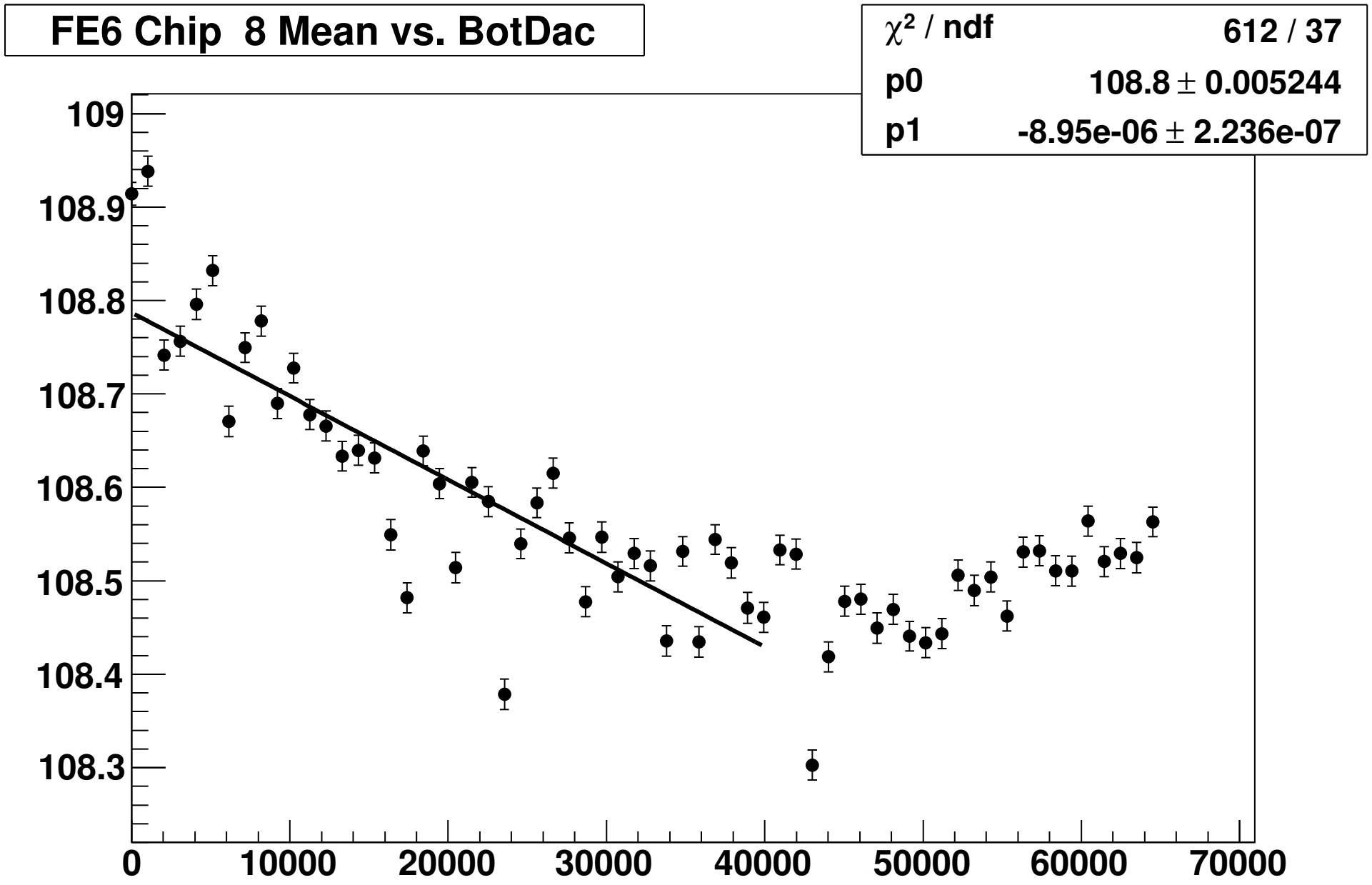
FE6 Chip 8 Mean vs. BotDac
χ² / ndf 612 / 37
p0 108.8 ± 0.005244
p1 -8.95e-06 ± 2.236e-07
109
108.9
108.8
108.7
108.6
108.5
108.4
108.3
0
10000
20000
30000
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60000
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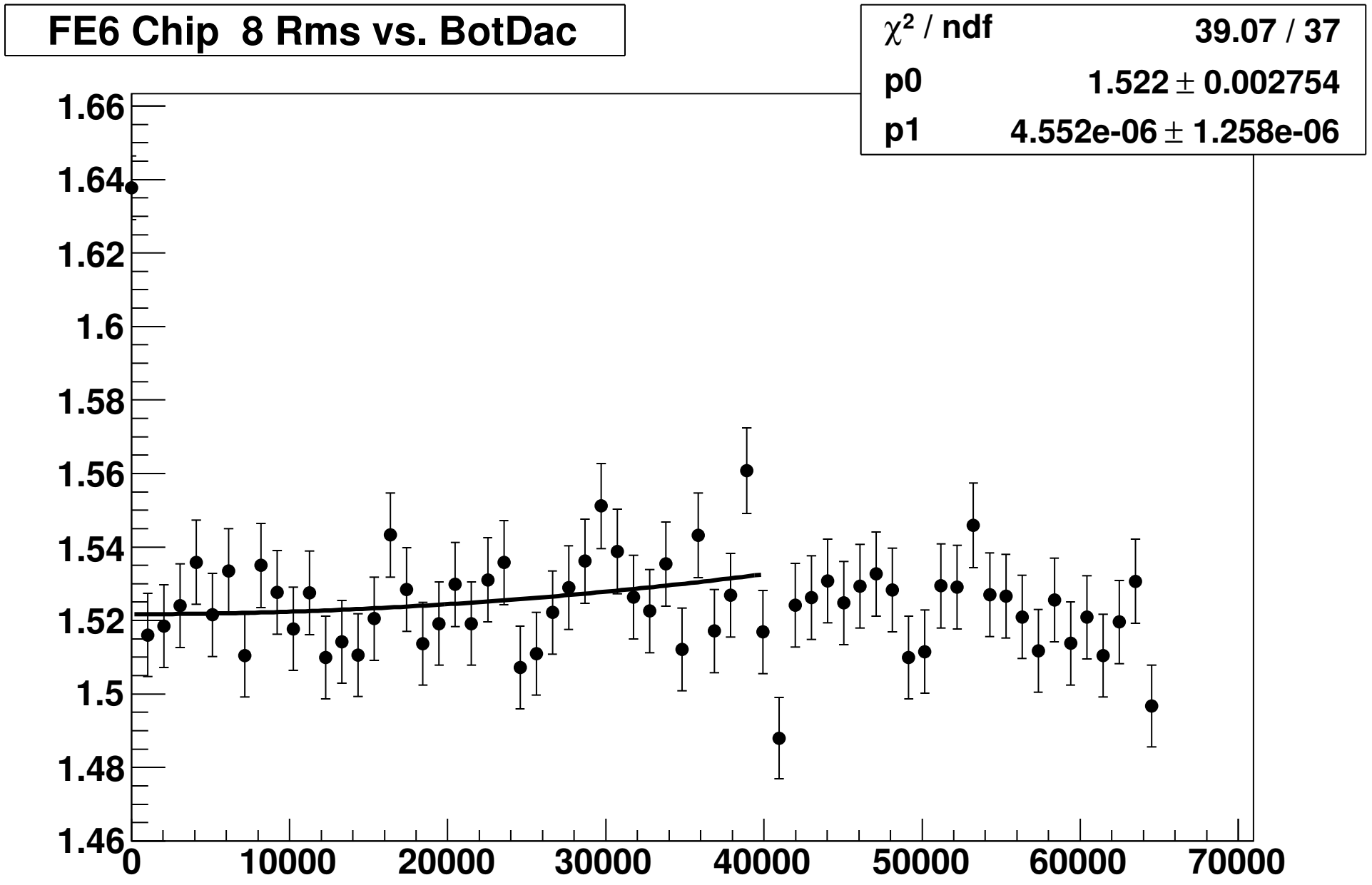
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 39.07 / 37
p0 1.522 ± 0.002754
p1 4.552e-06 ± 1.258e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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30000
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50000
60000
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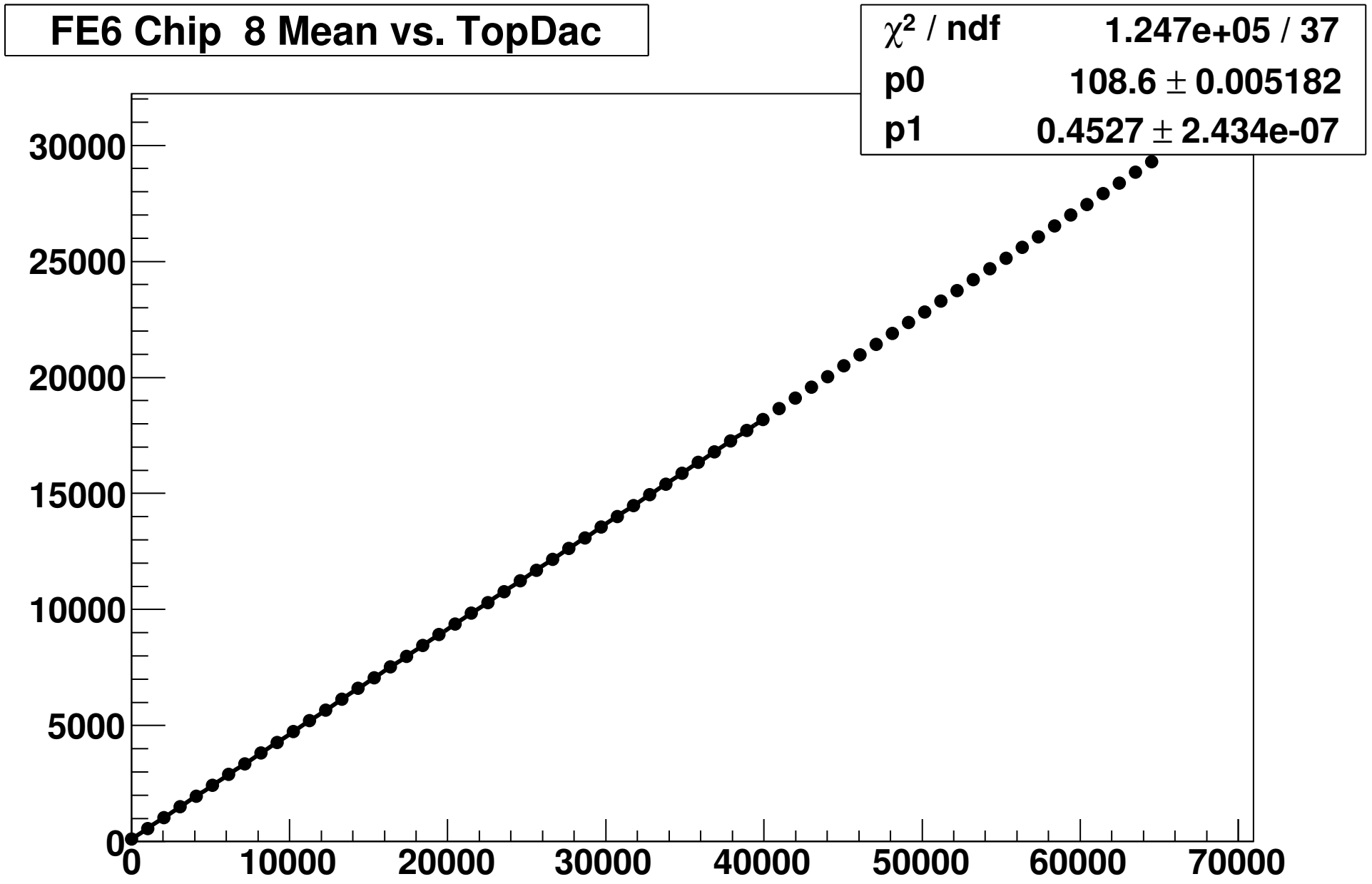
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.247e+05 / 37
p0 108.6 ± 0.005182
p1 0.4527 ± 2.434e-07
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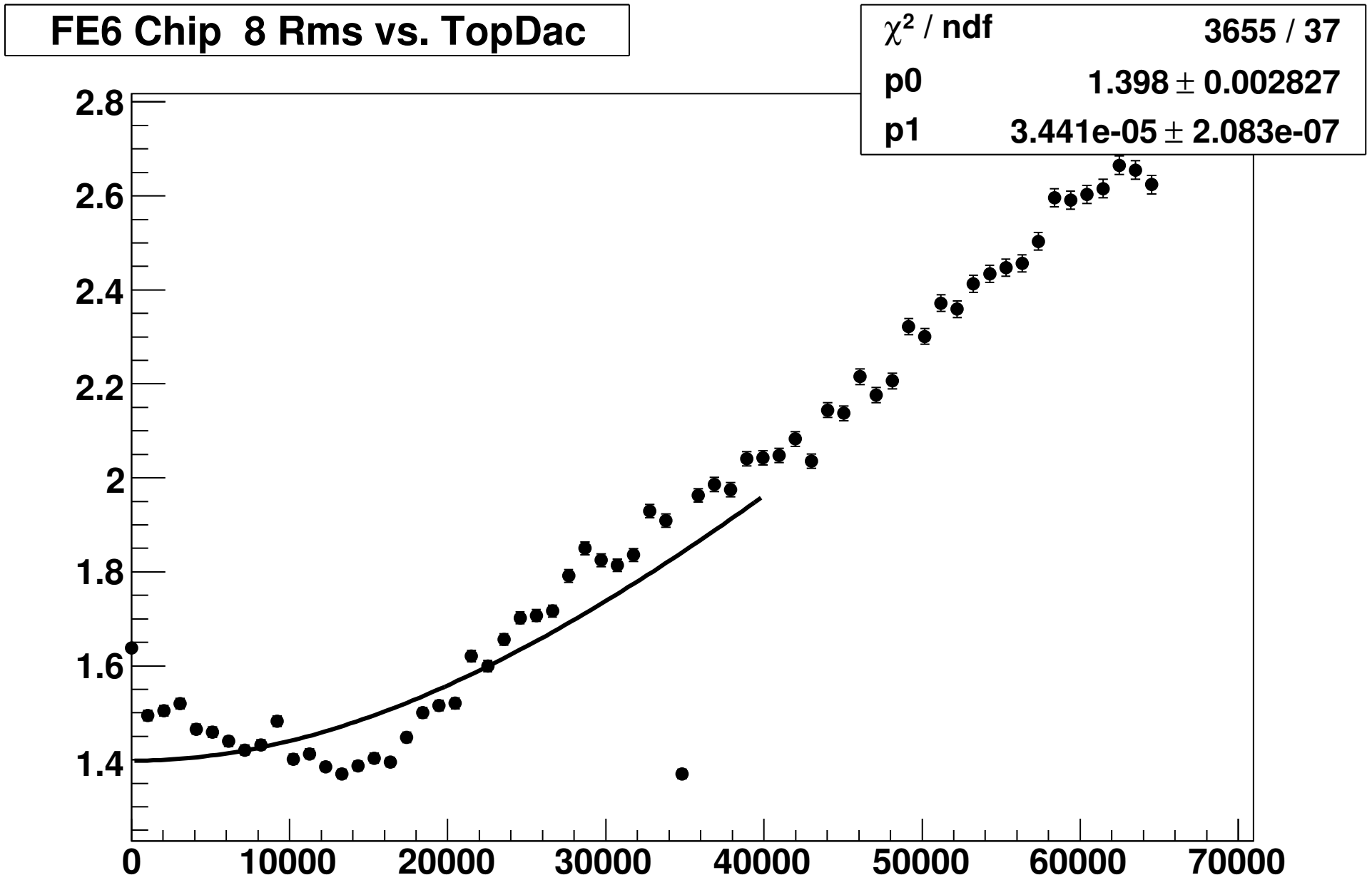
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 3655 / 37
p0 1.398 ± 0.002827
p1 3.441e-05 ± 2.083e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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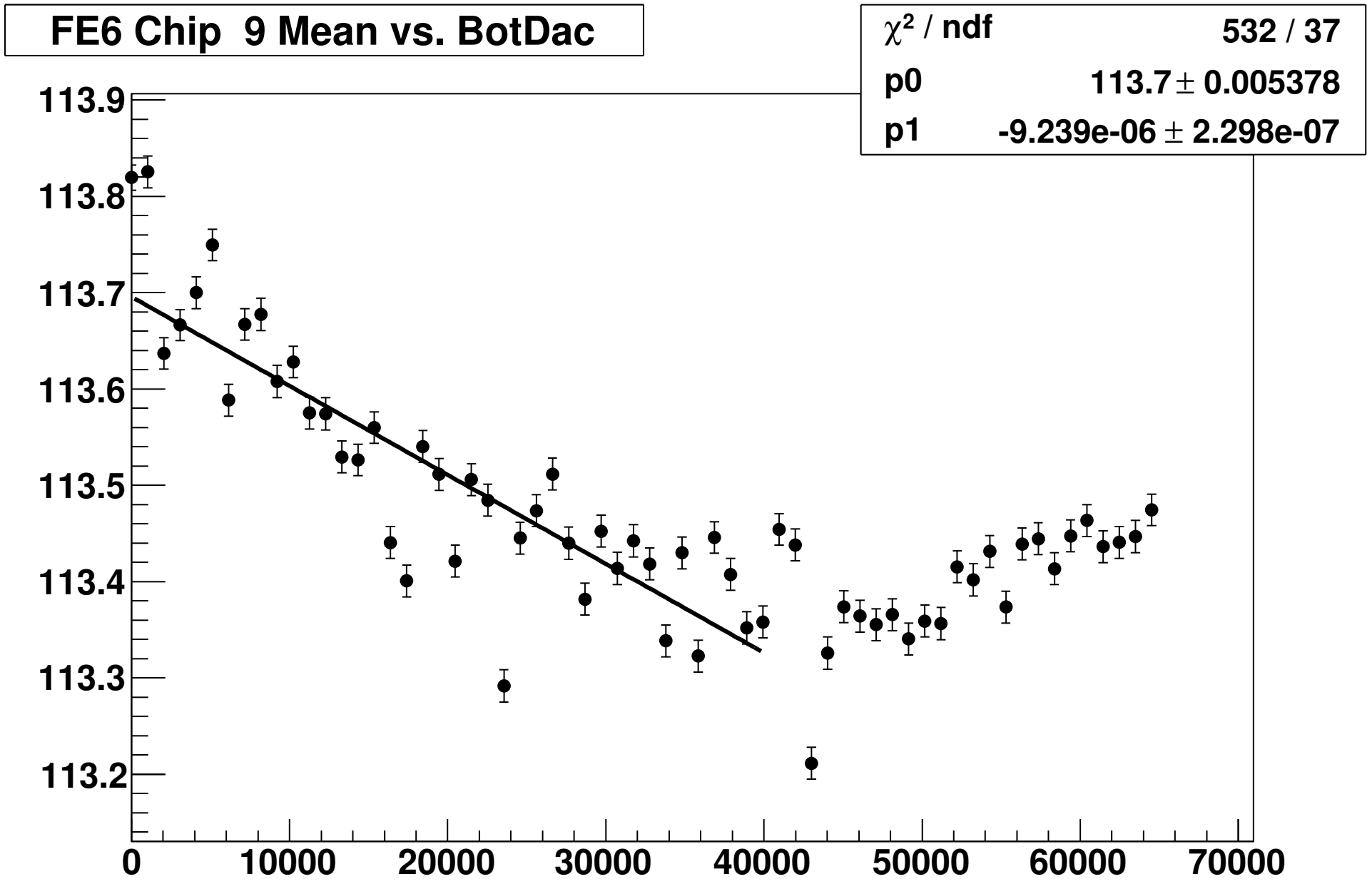
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 532 / 37
p0 113.7 ± 0.005378
p1 -9.239e-06 ± 2.298e-07
113.9
113.8
113.7
113.6
113.5
113.4
113.3
113.2
0
10000
20000
30000
40000
50000
60000
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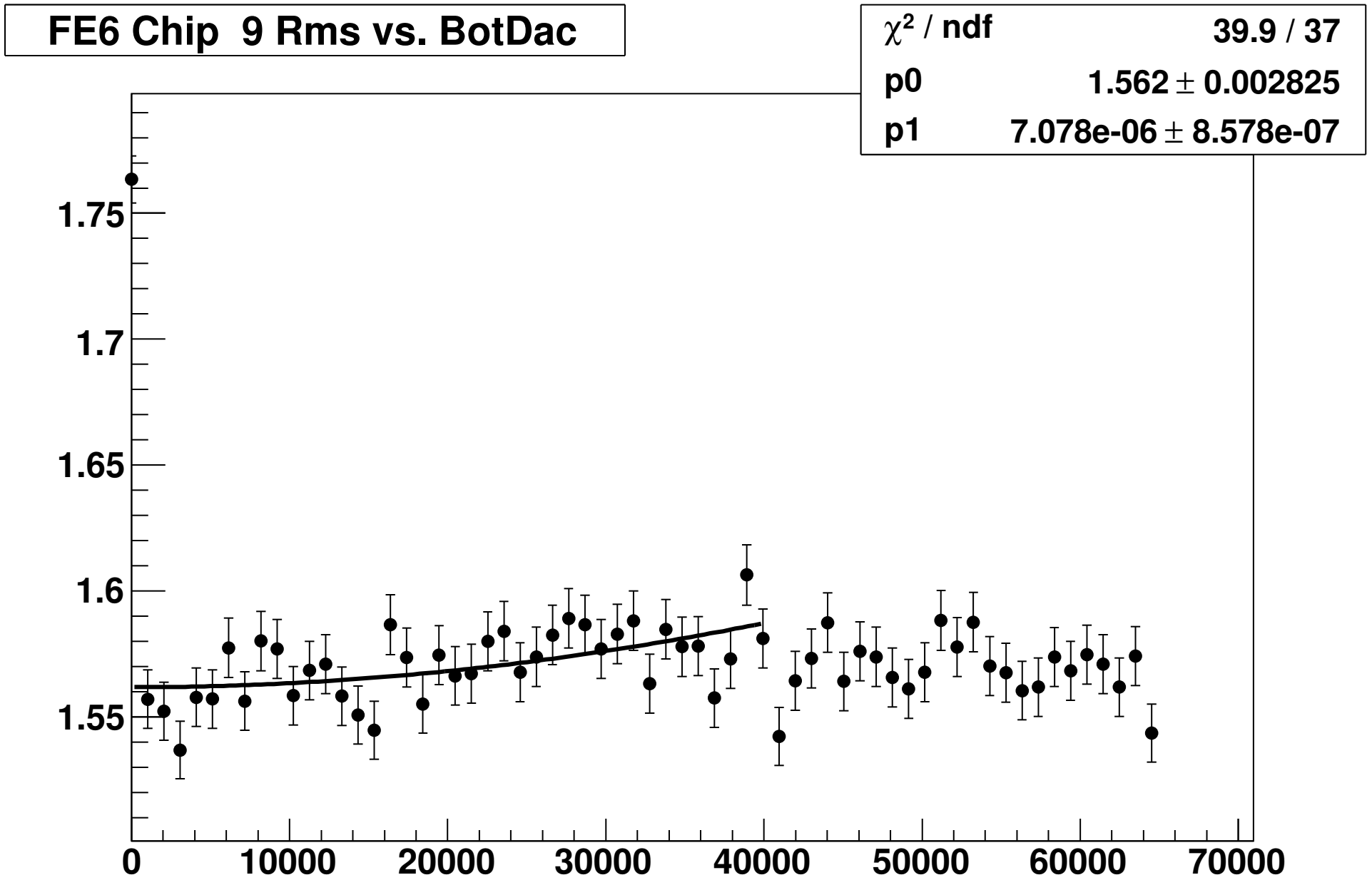
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 39.9 / 37
p0 1.562 ± 0.002825
p1 7.078e-06 ± 8.578e-07
1.75
1.7
1.65
1.6
1.55
0
10000
20000
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50000
60000
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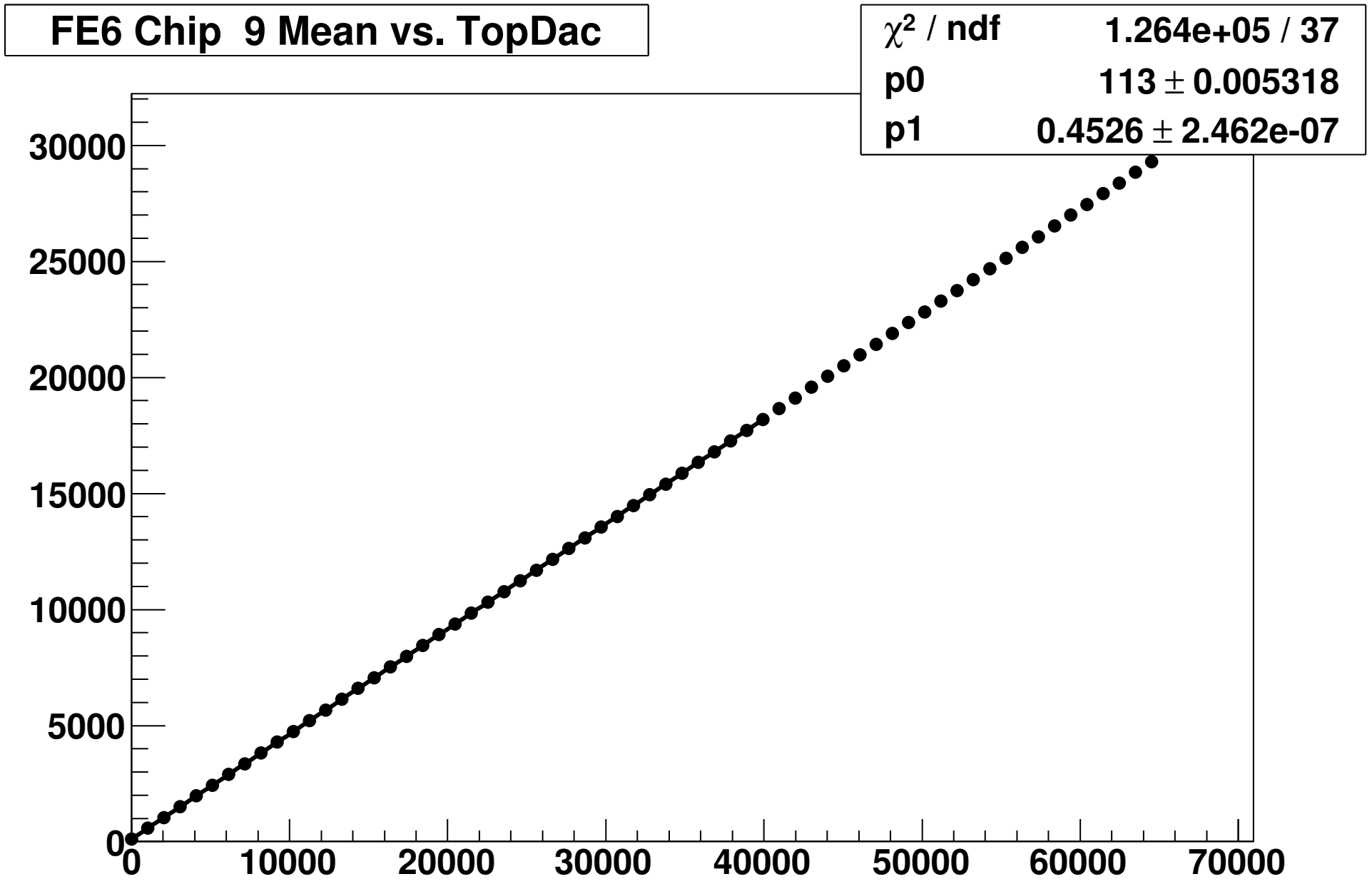
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.264e+05 / 37
p0 113 ± 0.005318
p1 0.4526 ± 2.462e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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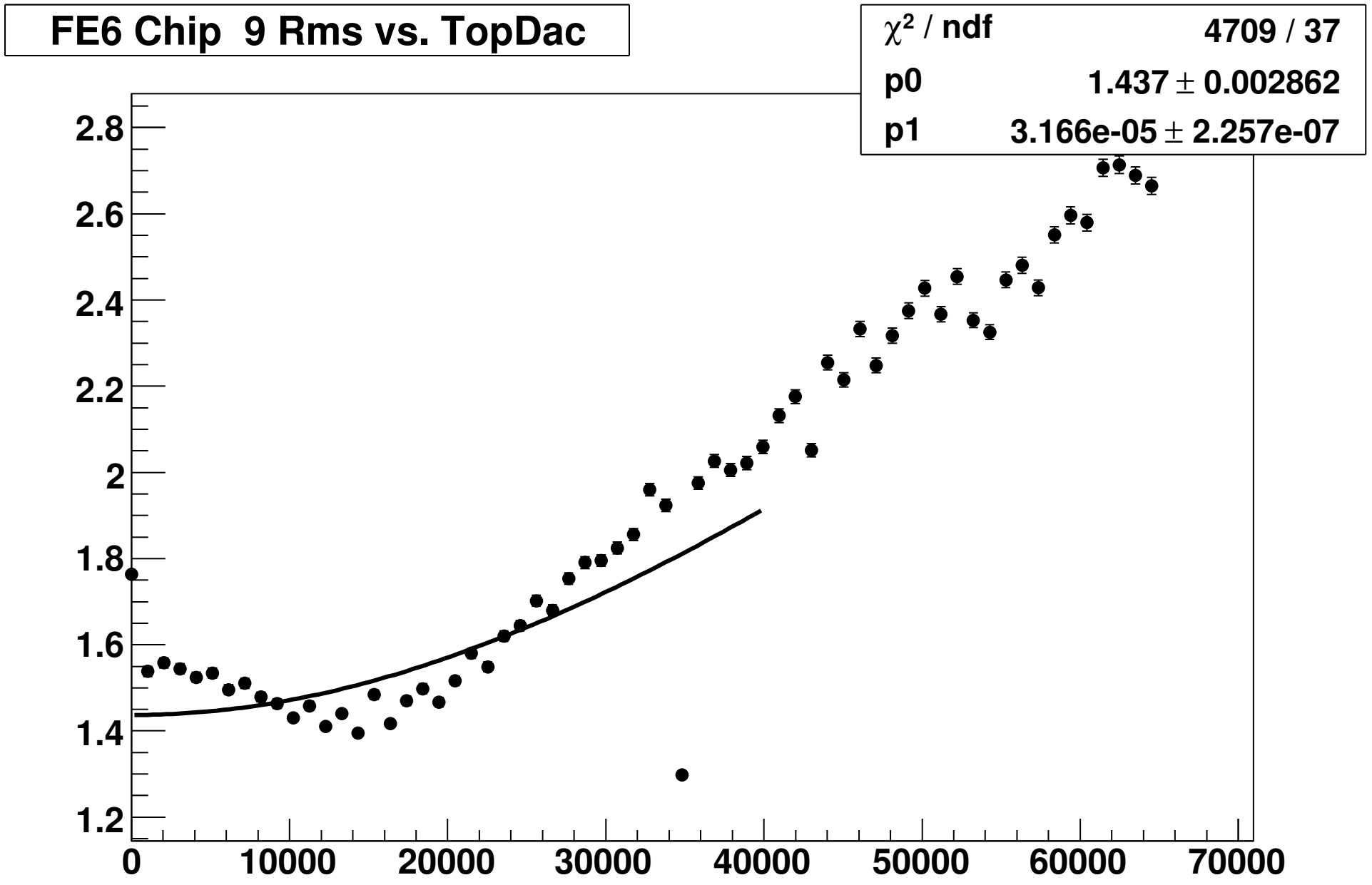
FE6 Chip 9 Rms vs. TopDac
χ² / ndf 4709 / 37
p0 1.437 ± 0.002862
p1 3.166e-05 ± 2.257e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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60000
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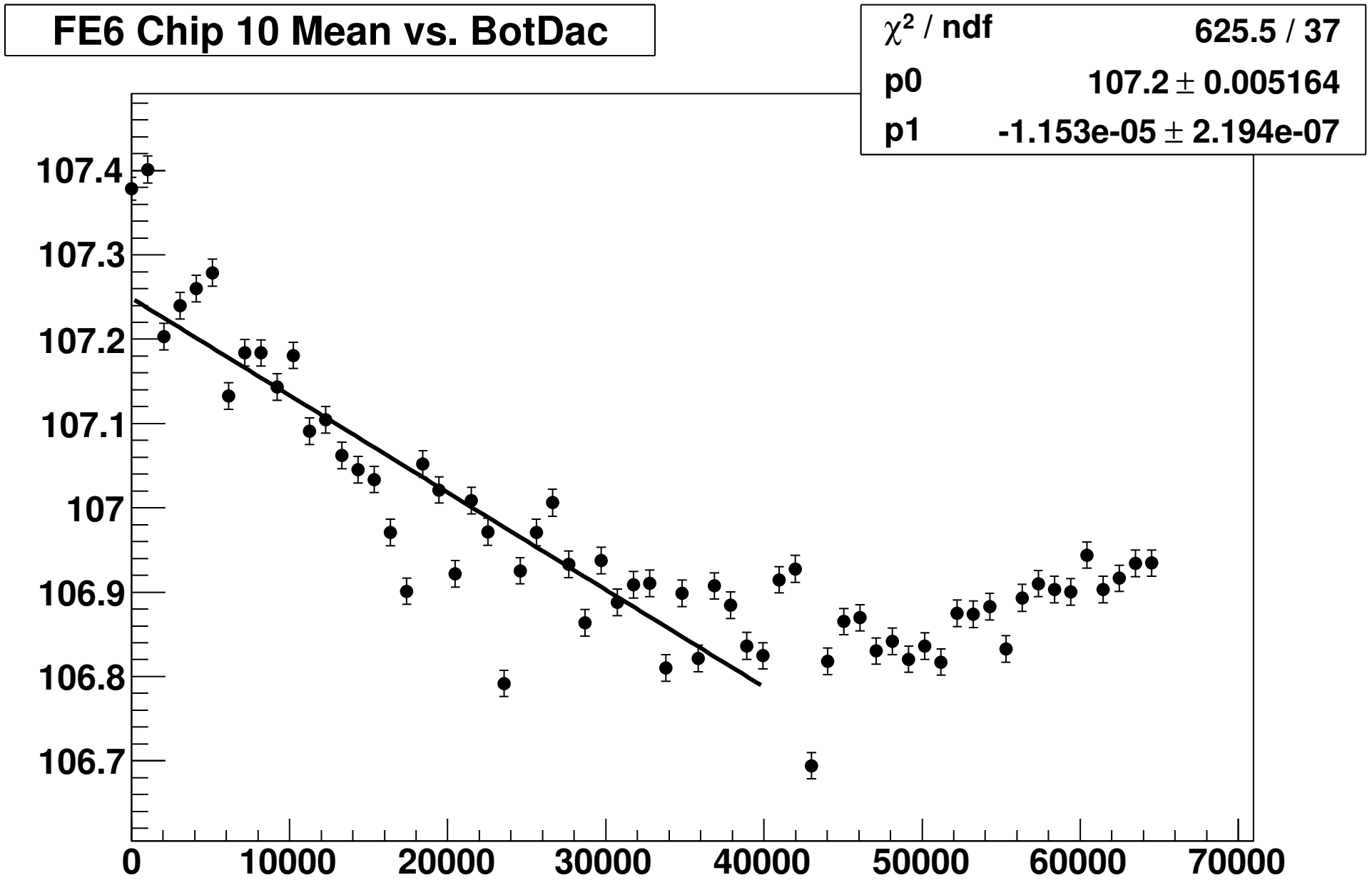
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 625.5 / 37
p0 107.2 ± 0.005164
p1 -1.153e-05 ± 2.194e-07
107.4
107.3
107.2
107.1
107
106.9
106.8
106.7
0
10000
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60000
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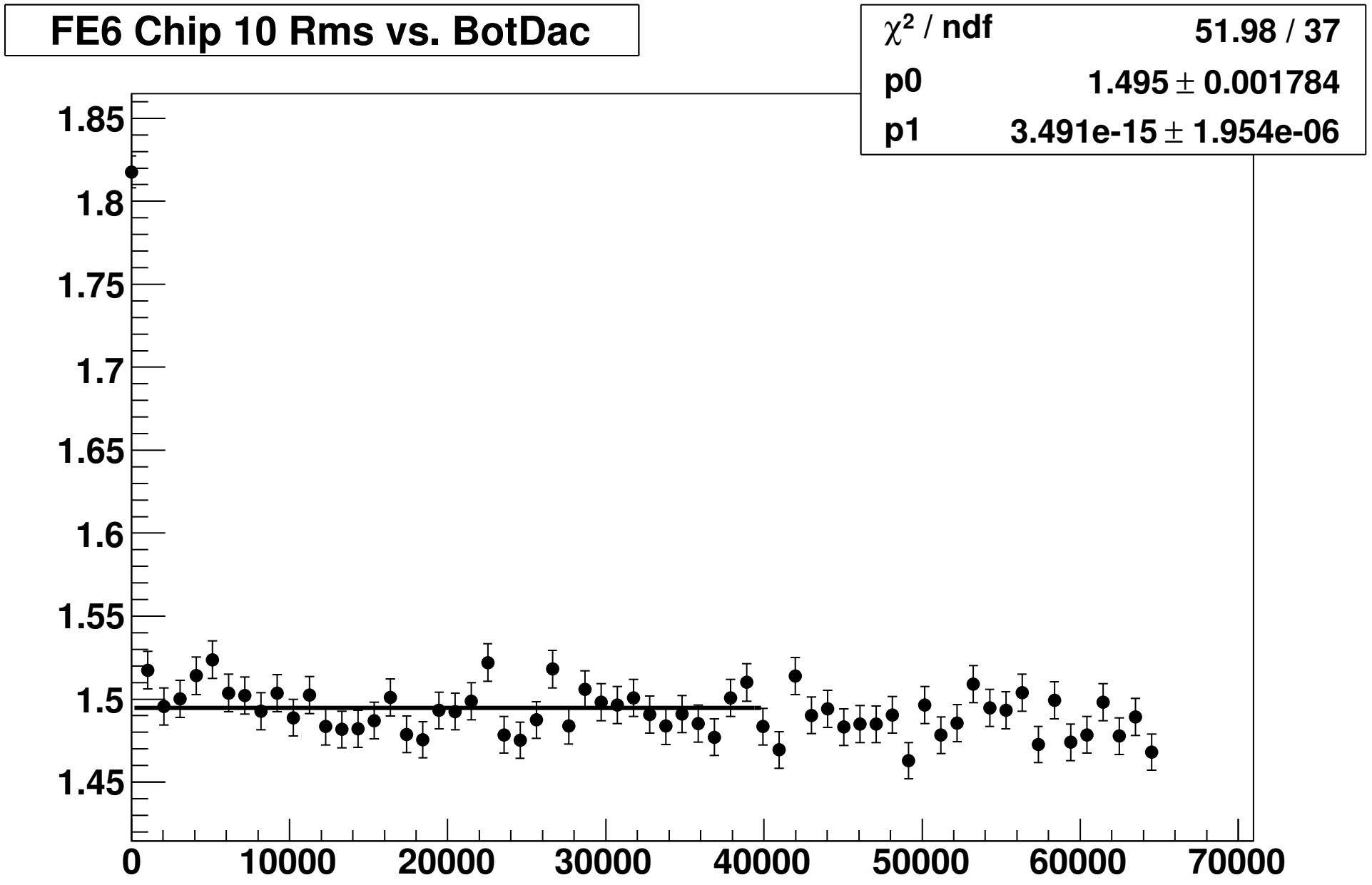
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 51.98 / 37
p0 1.495 ± 0.001784
p1 3.491e-15 ± 1.954e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
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20000
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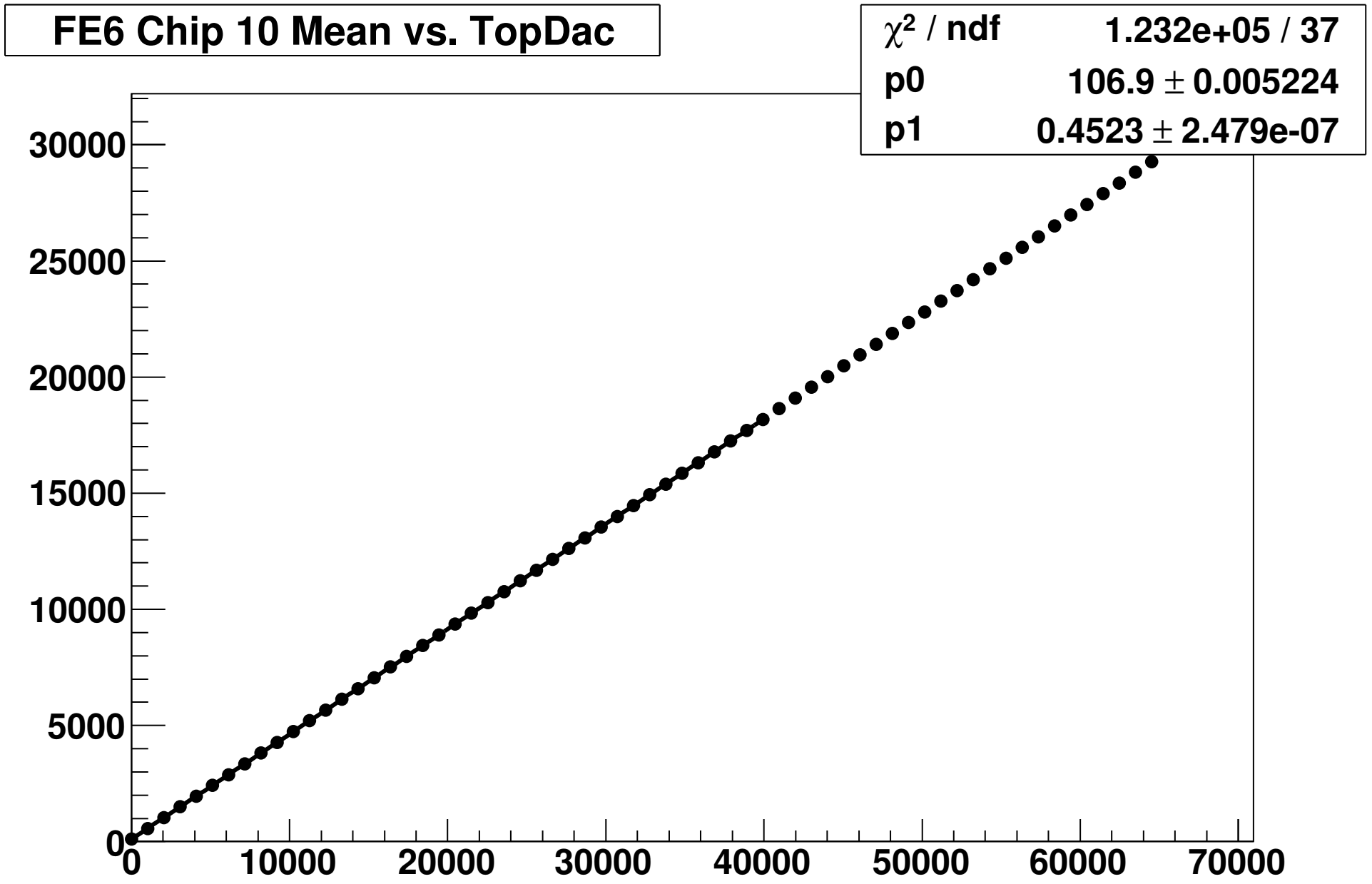
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.232e+05 / 37
p0 106.9 ± 0.005224
p1 0.4523 ± 2.479e-07
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20000
15000
10000
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0
0
10000
20000
30000
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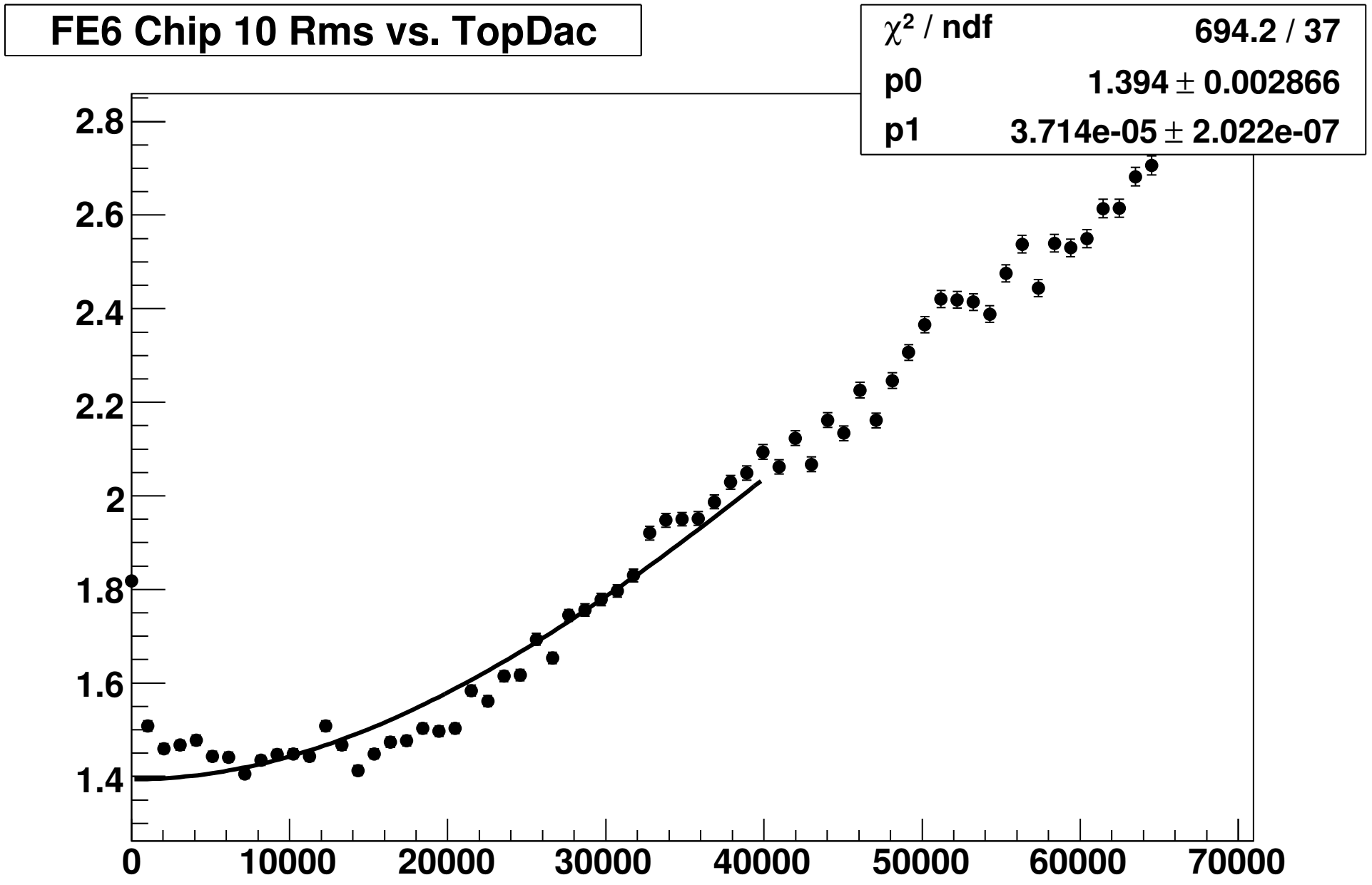
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 694.2 / 37
p0 1.394 ± 0.002866
p1 3.714e-05 ± 2.022e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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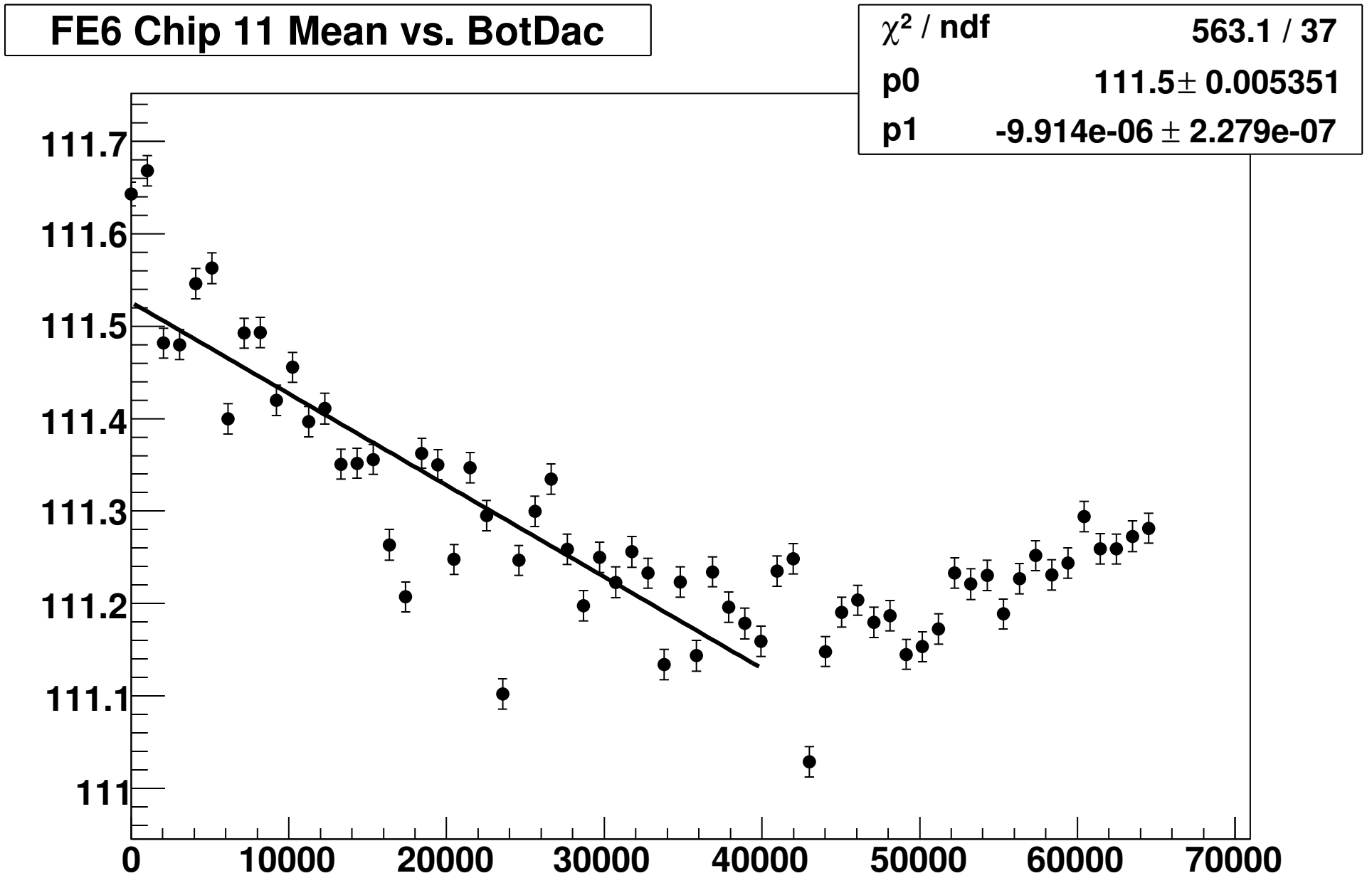
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 563.1 / 37
p0 111.5± 0.005351
p1 -9.914e-06 ± 2.279e-07
111.7
111.6
111.5
111.4
111.3
111.2
111.1
111
0
10000
20000
30000
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60000
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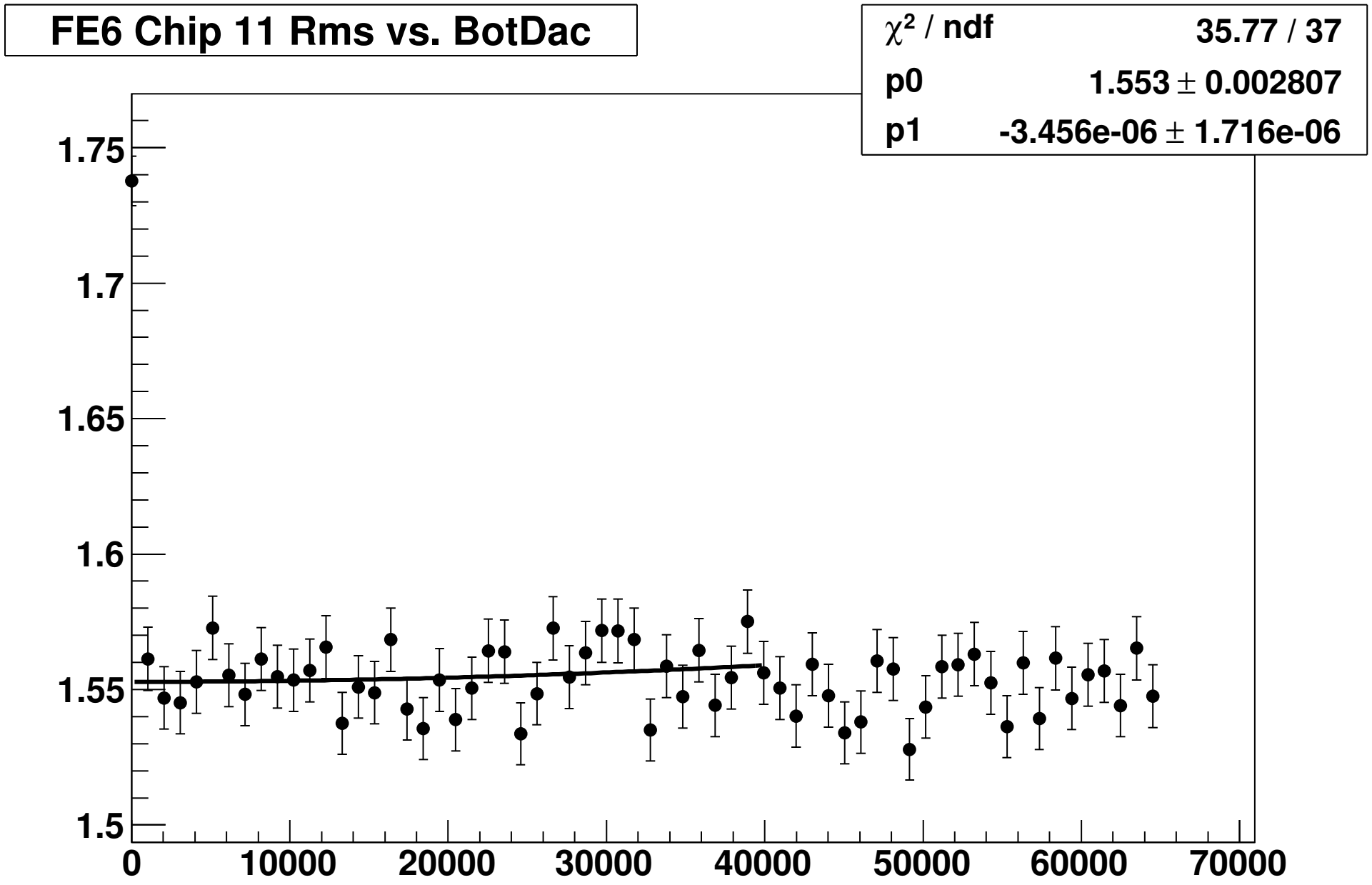
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 35.77 / 37
p0 1.553 ± 0.002807
p1 -3.456e-06 ± 1.716e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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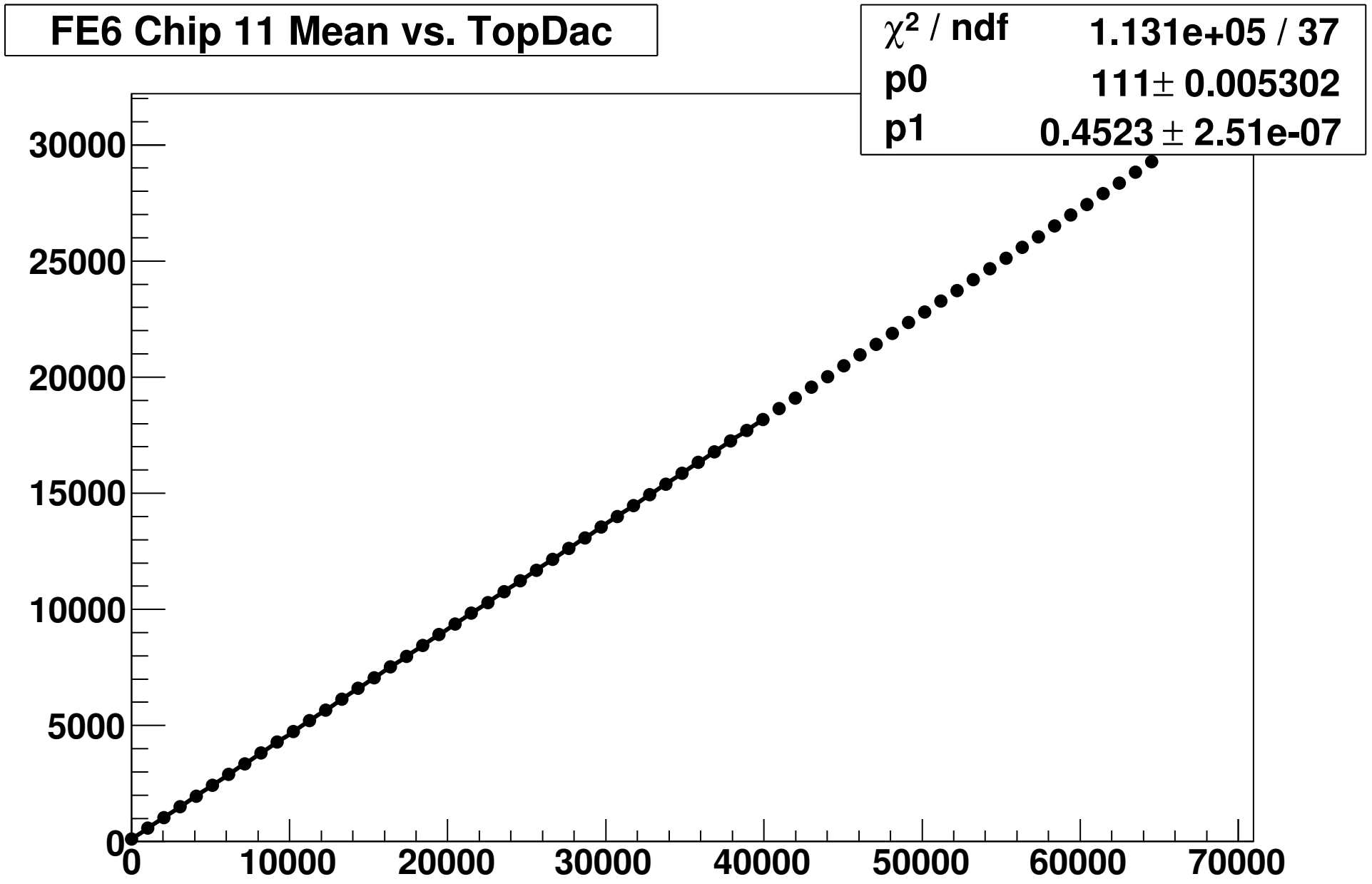
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.131e+05 / 37
p0 111 ± 0.005302
p1 0.4523 ± 2.51e-07
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5000
0
0
10000
20000
30000
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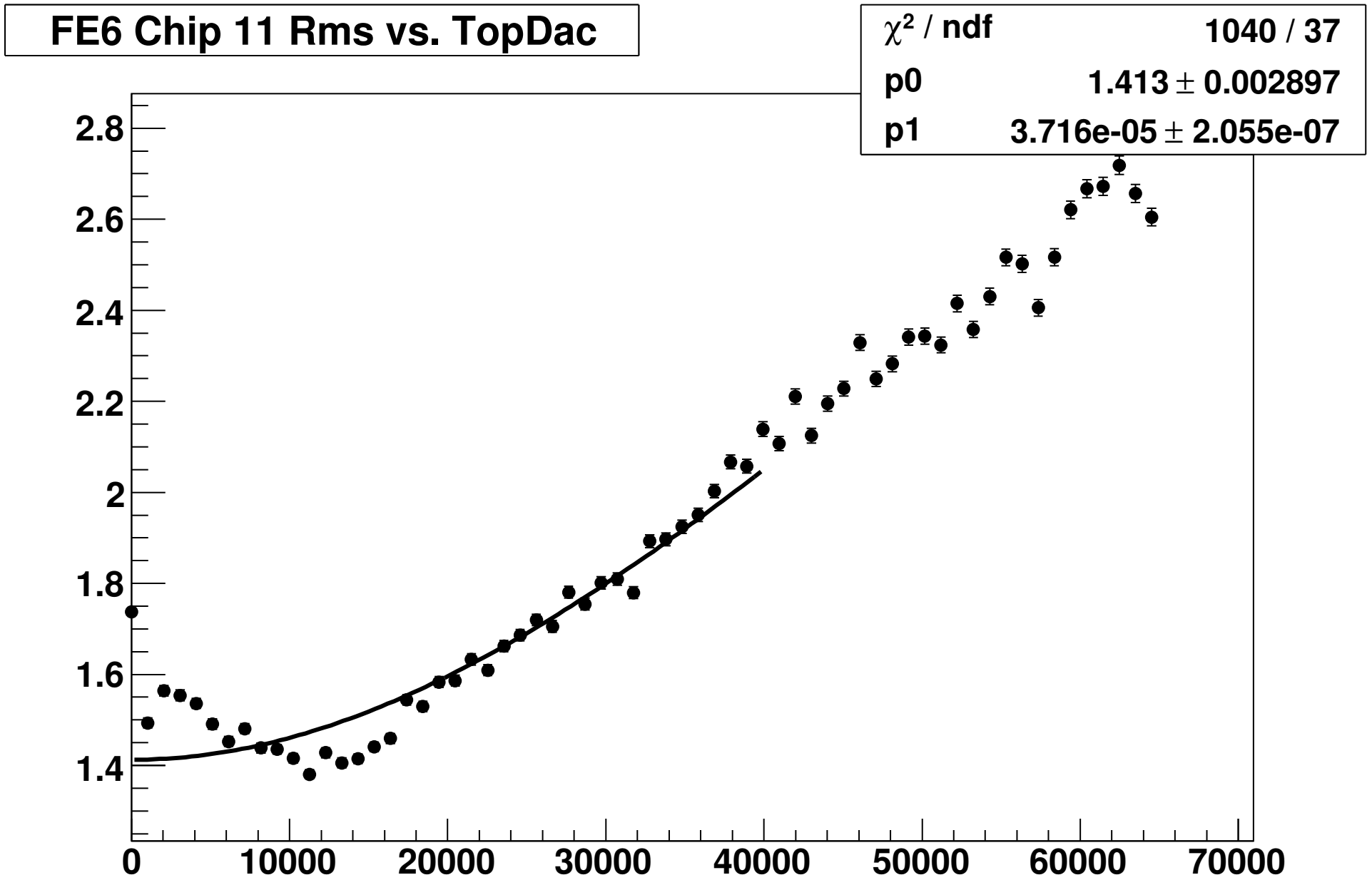
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1040 / 37
p0 1.413 ± 0.002897
p1 3.716e-05 ± 2.055e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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50000
60000
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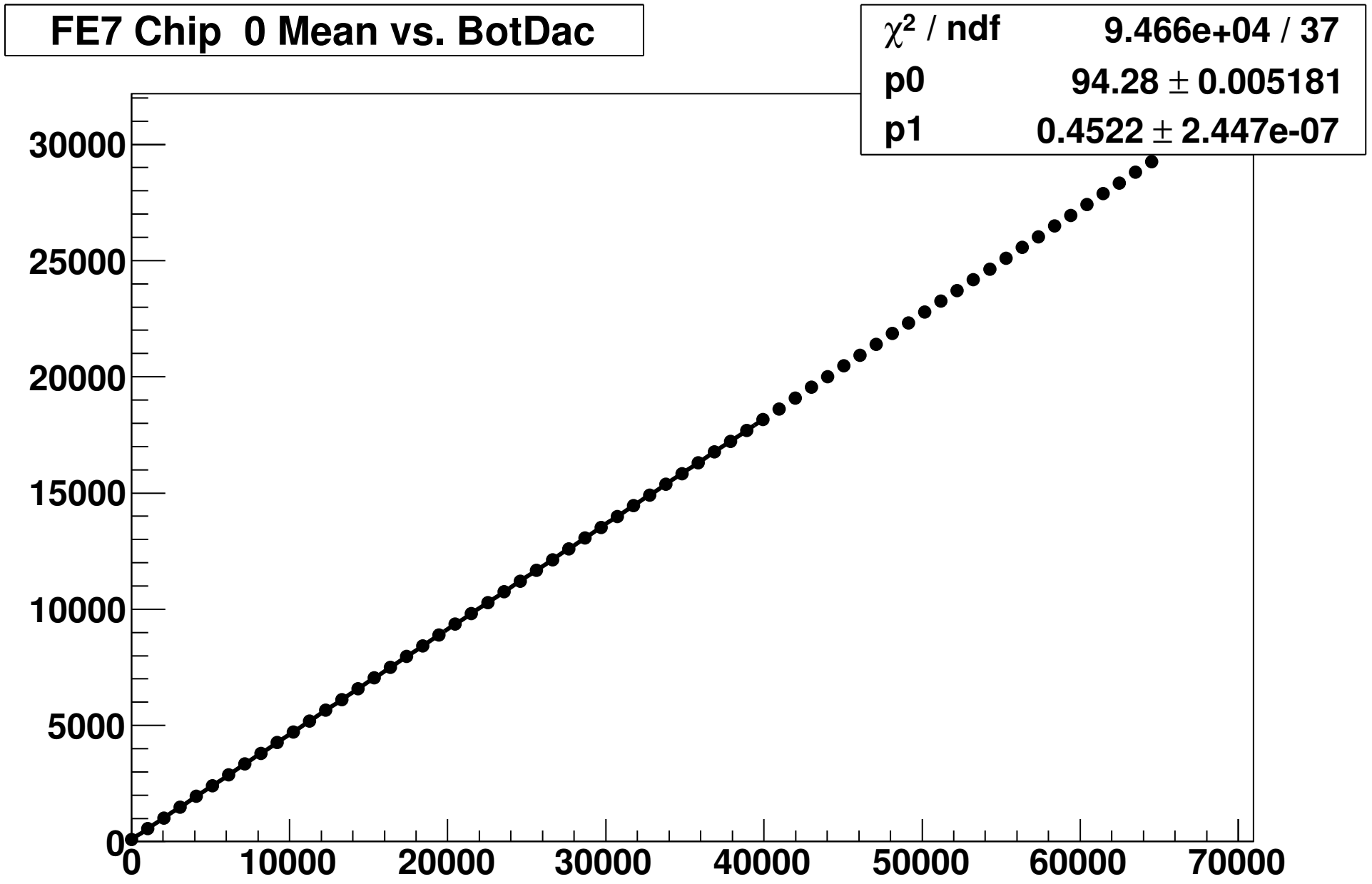
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 9.466e+04 / 37
p0 94.28 ± 0.005181
p1 0.4522 ± 2.447e-07
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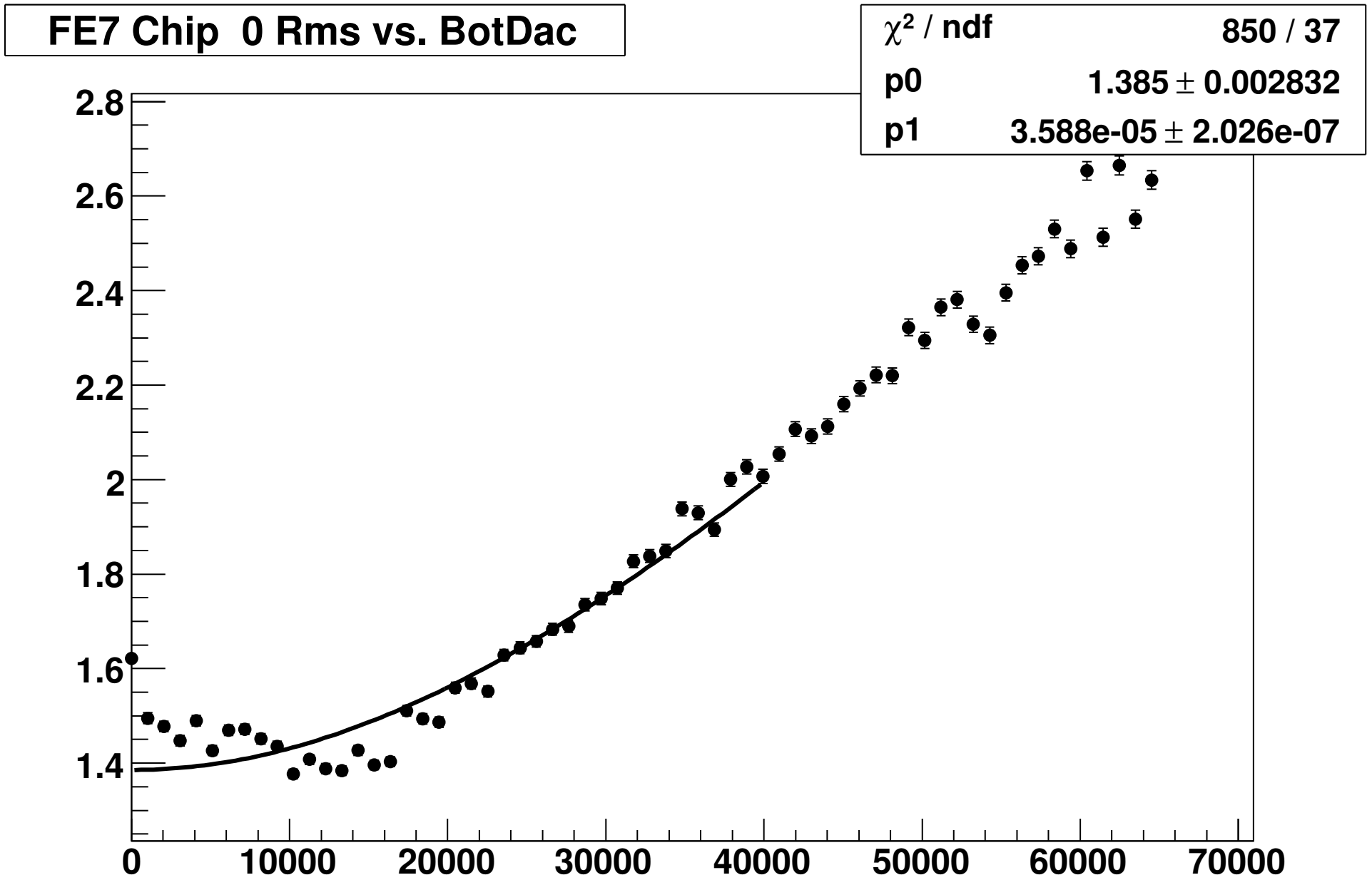
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 850 / 37
p0 1.385 ± 0.002832
p1 3.588e-05 ± 2.026e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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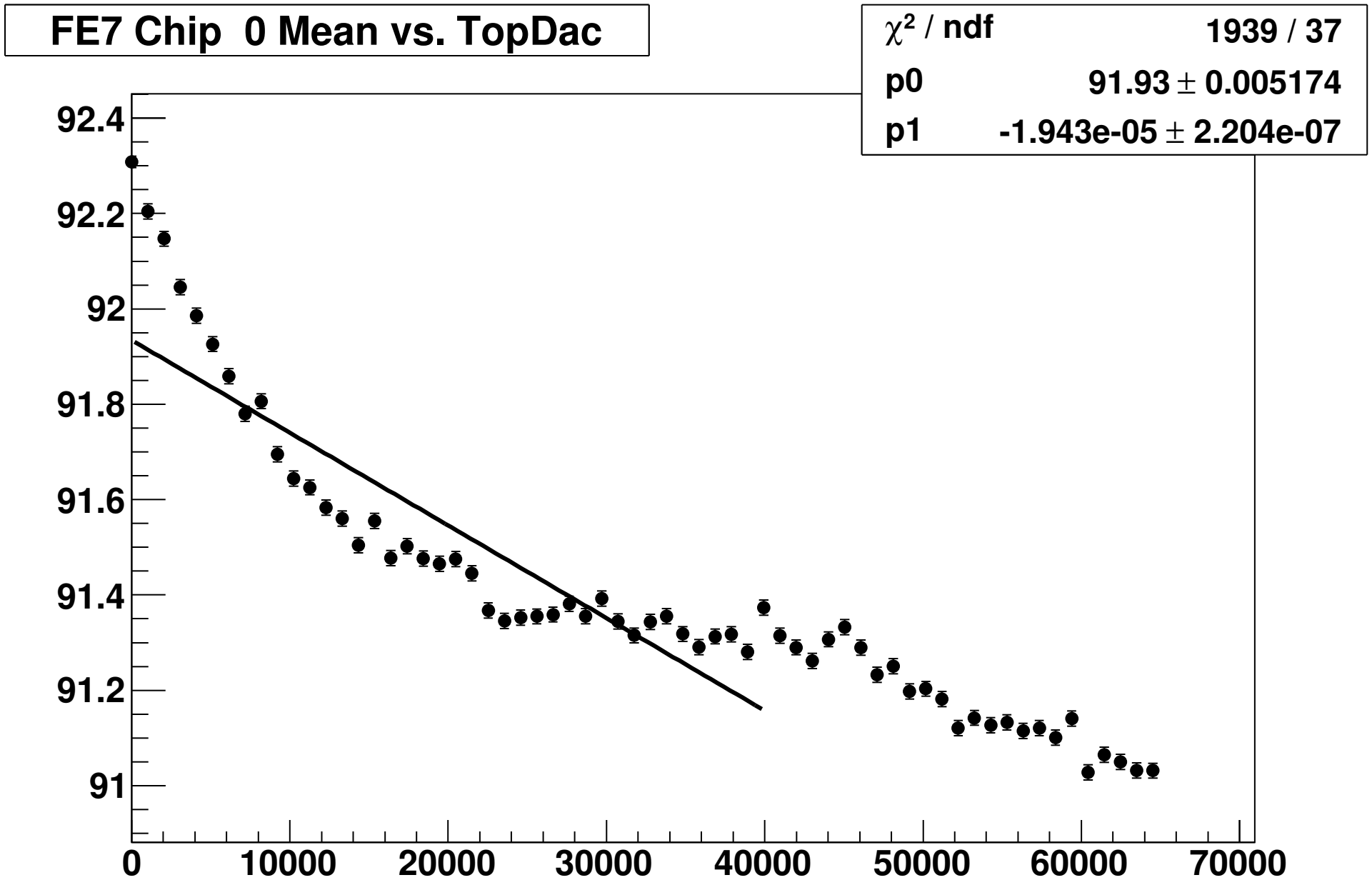
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 1939 / 37
p0 91.93 ± 0.005174
p1 -1.943e-05 ± 2.204e-07
92.4
92.2
92
91.8
91.6
91.4
91.2
91
0
10000
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30000
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50000
60000
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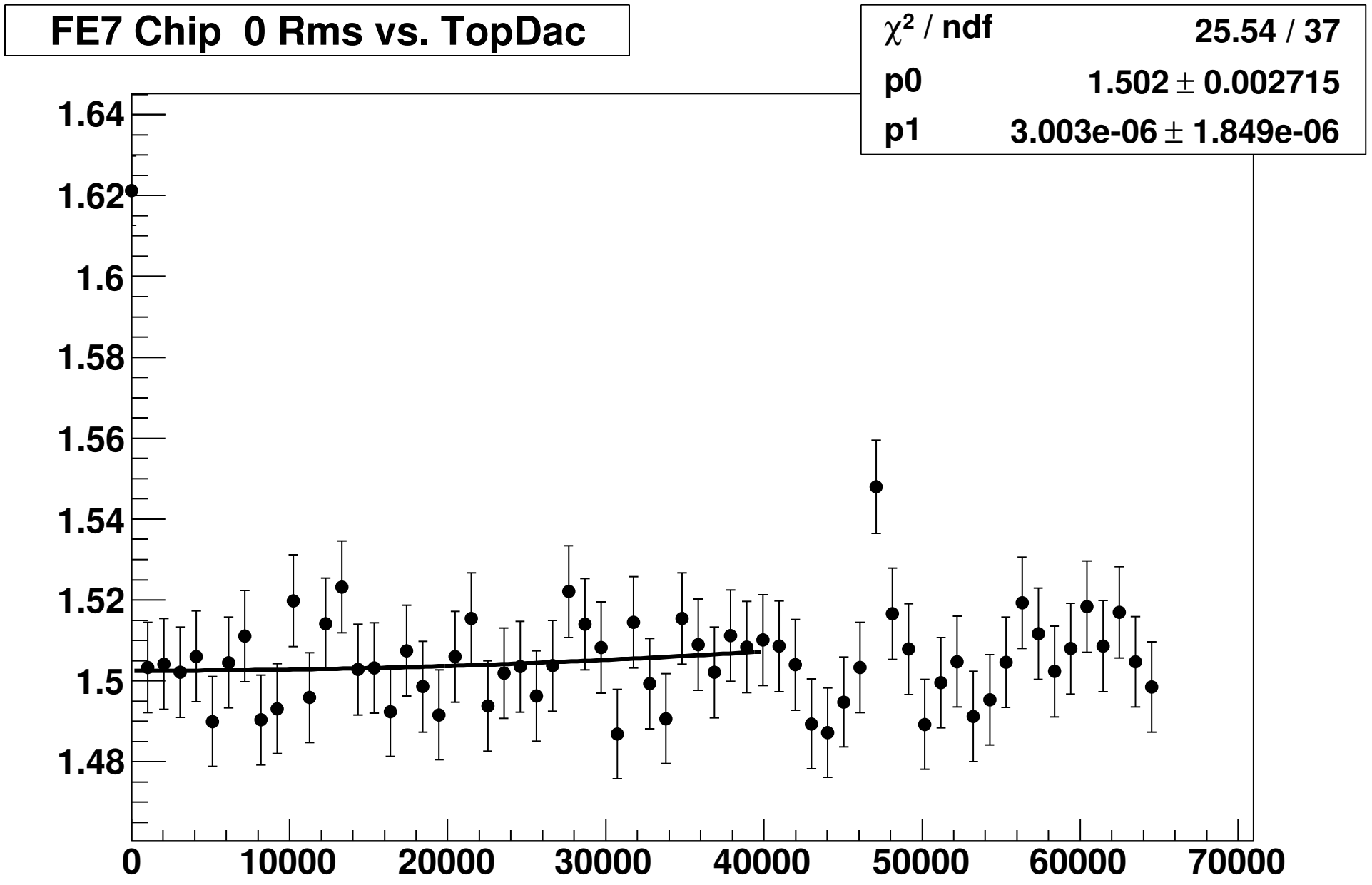
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 25.54 / 37
p0 1.502 ± 0.002715
p1 3.003e-06 ± 1.849e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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20000
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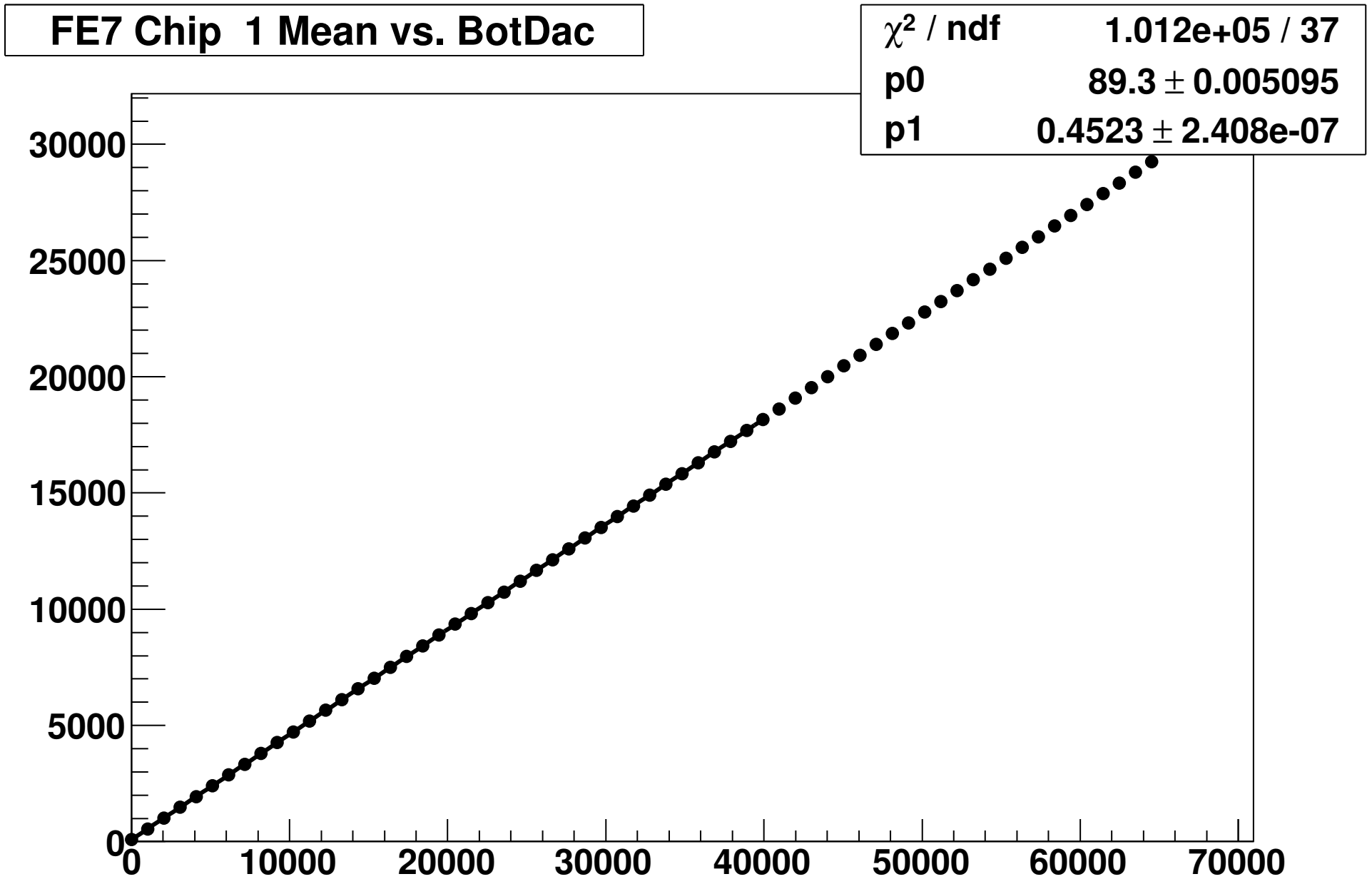
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.012e+05 / 37
p0 89.3 ± 0.005095
p1 0.4523 ± 2.408e-07
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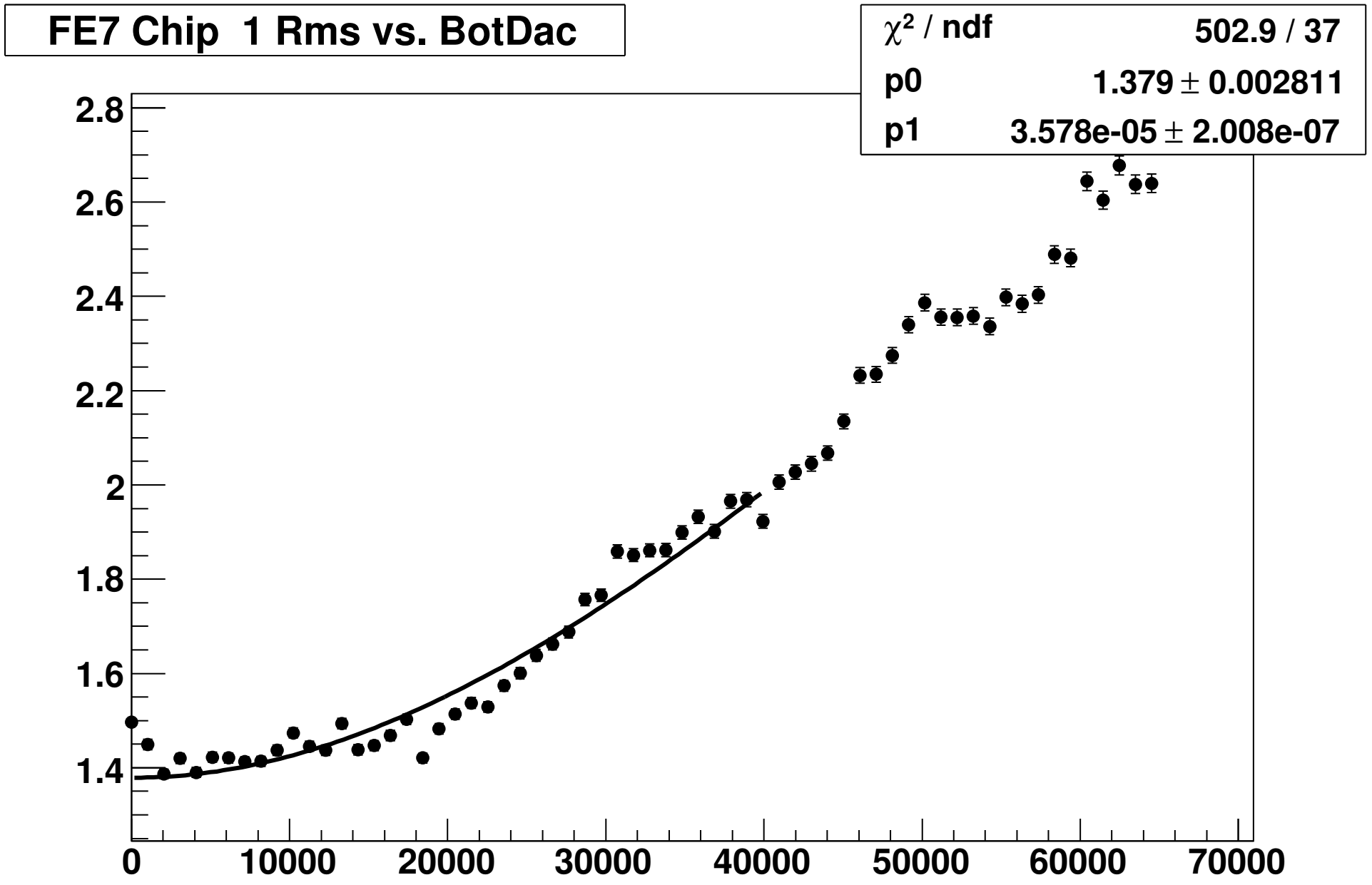
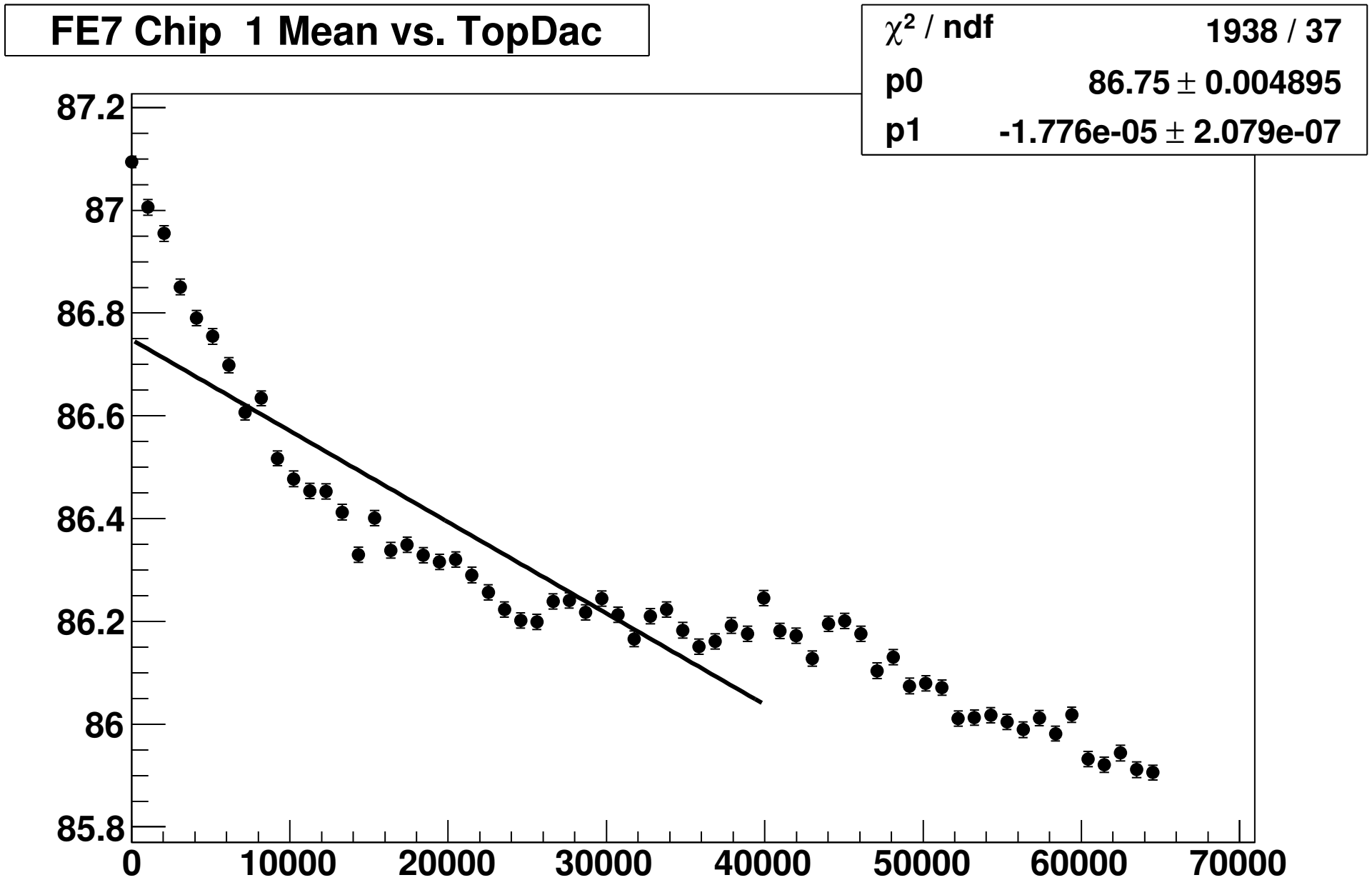
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 502.9 / 37
p0 1.379 ± 0.002811
p1 3.578e-05 ± 2.008e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 1938 / 37
p0 86.75 ± 0.004895
p1 -1.776e-05 ± 2.079e-07
87.2
87
86.8
86.6
86.4
86.2
86
85.8
0
10000
20000
30000
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50000
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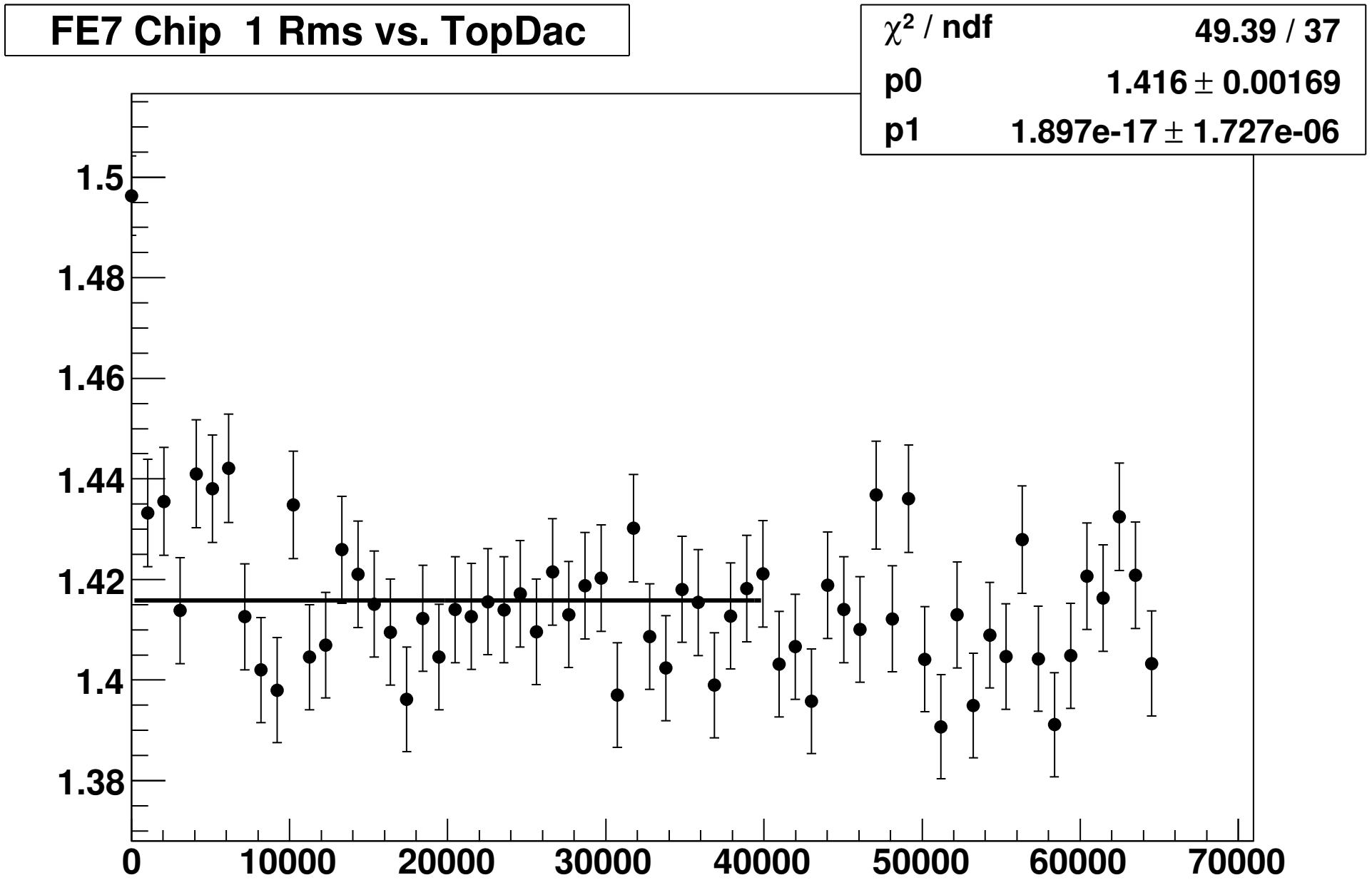
FE7 Chip 1 Rms vs. TopDac
χ² / ndf 49.39 / 37
p0 1.416 ± 0.00169
p1 1.897e-17 ± 1.727e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
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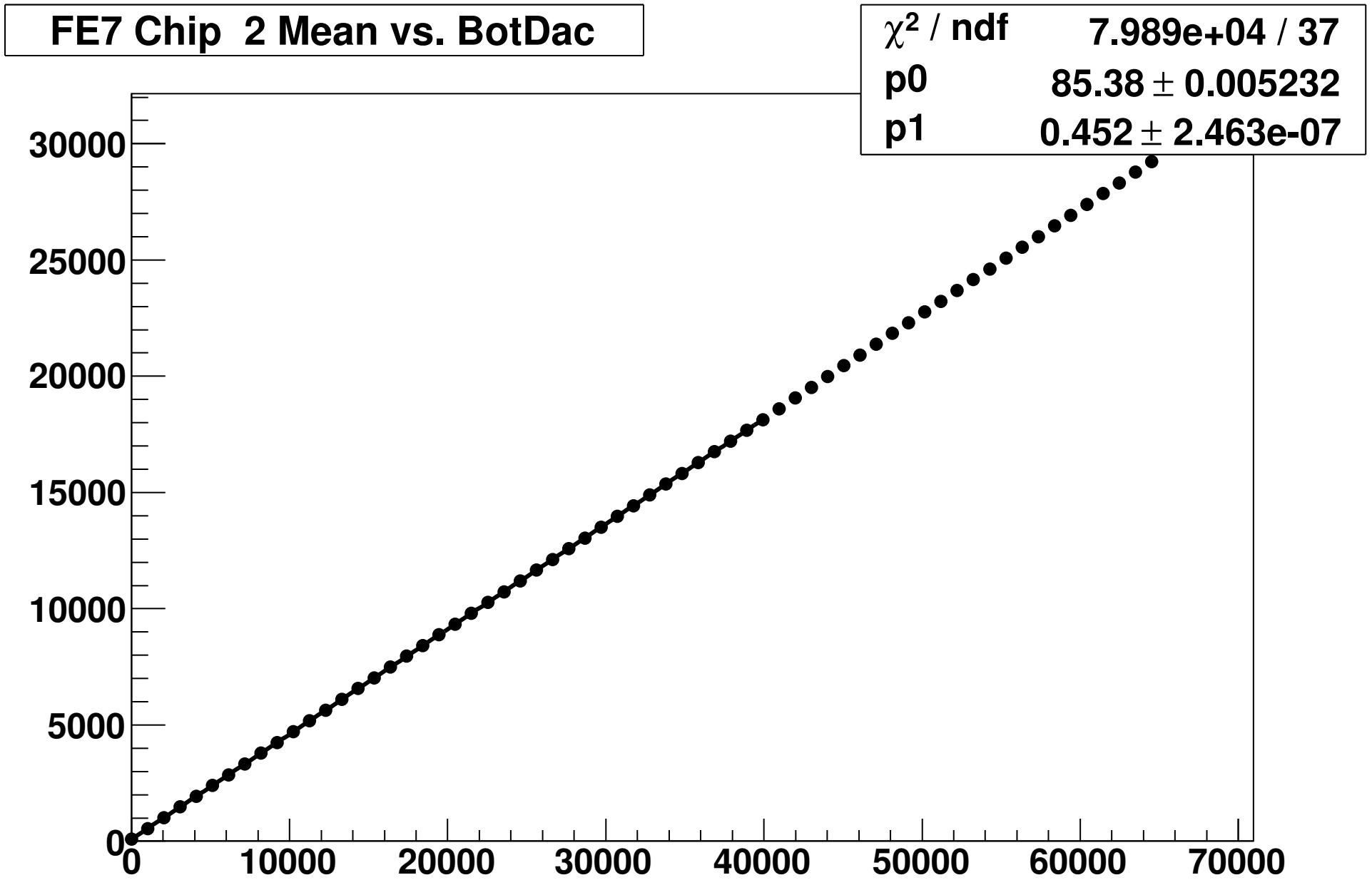
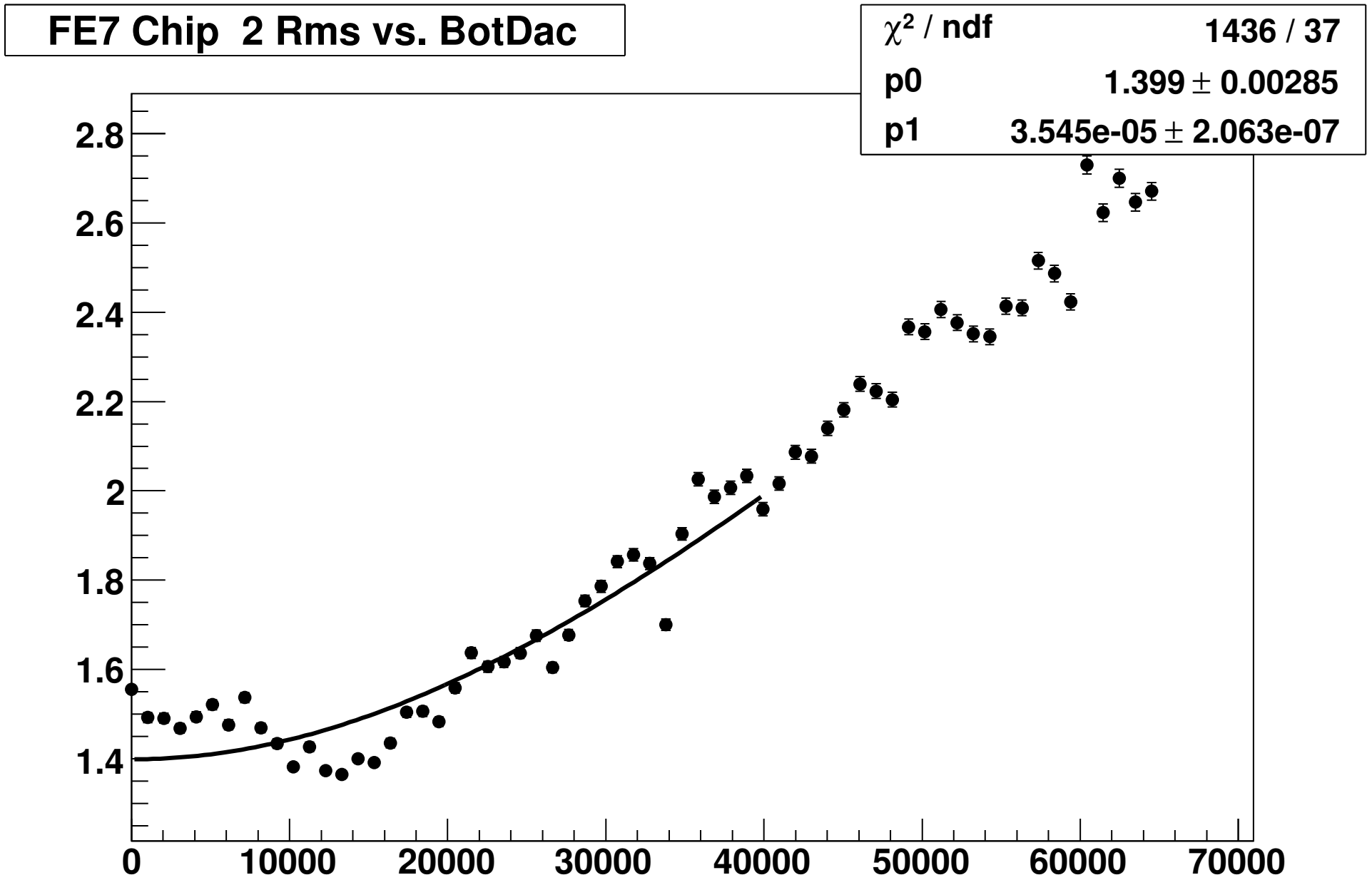

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 7.989e+04 / 37
p0 85.38 ± 0.005232
p1 0.452 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1436 / 37
p0 1.399 ± 0.00285
p1 3.545e-05 ± 2.063e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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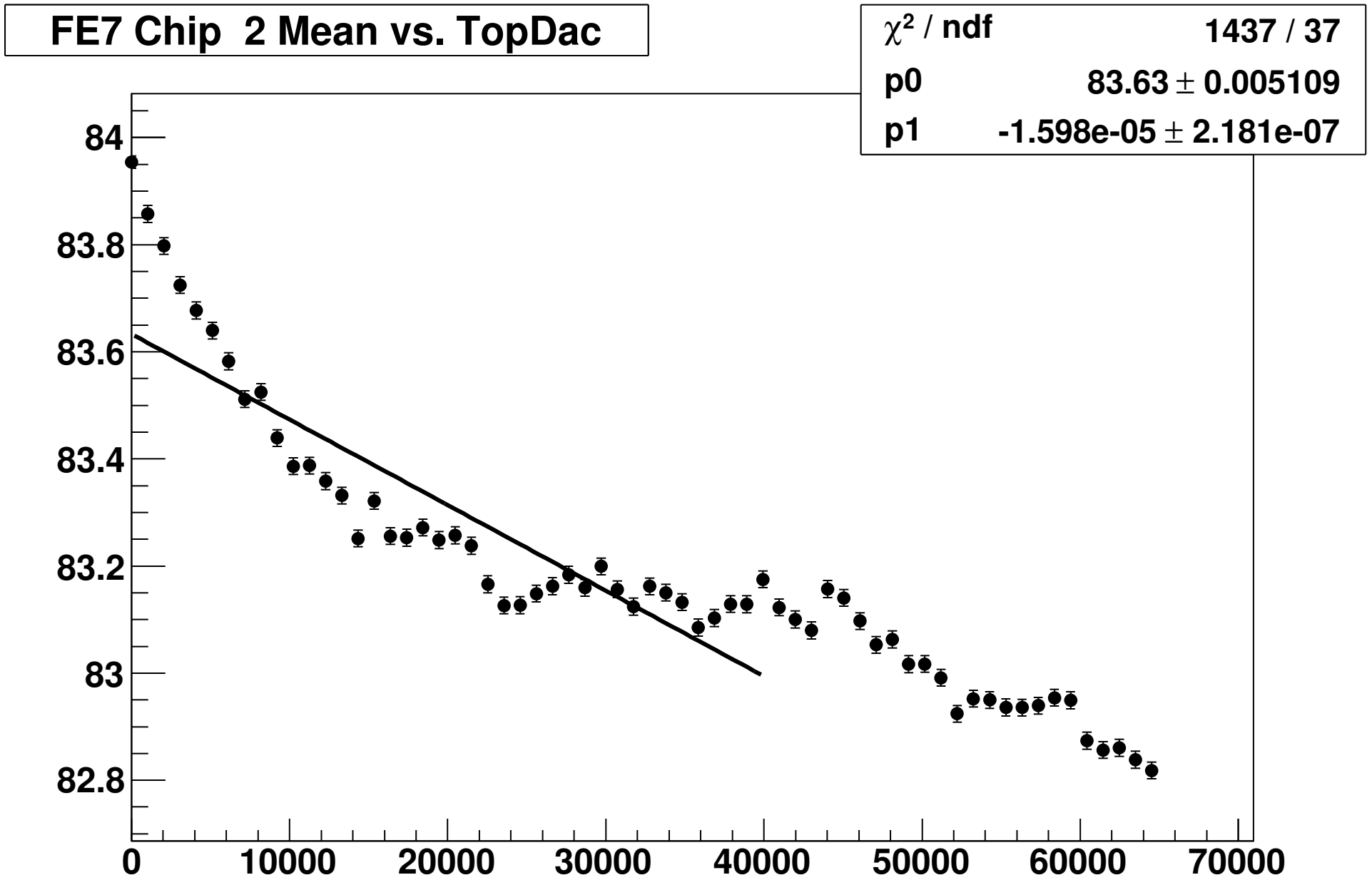
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 1437 / 37
p0 83.63 ± 0.005109
p1 -1.598e-05 ± 2.181e-07
84
83.8
83.6
83.4
83.2
83
82.8
0
10000
20000
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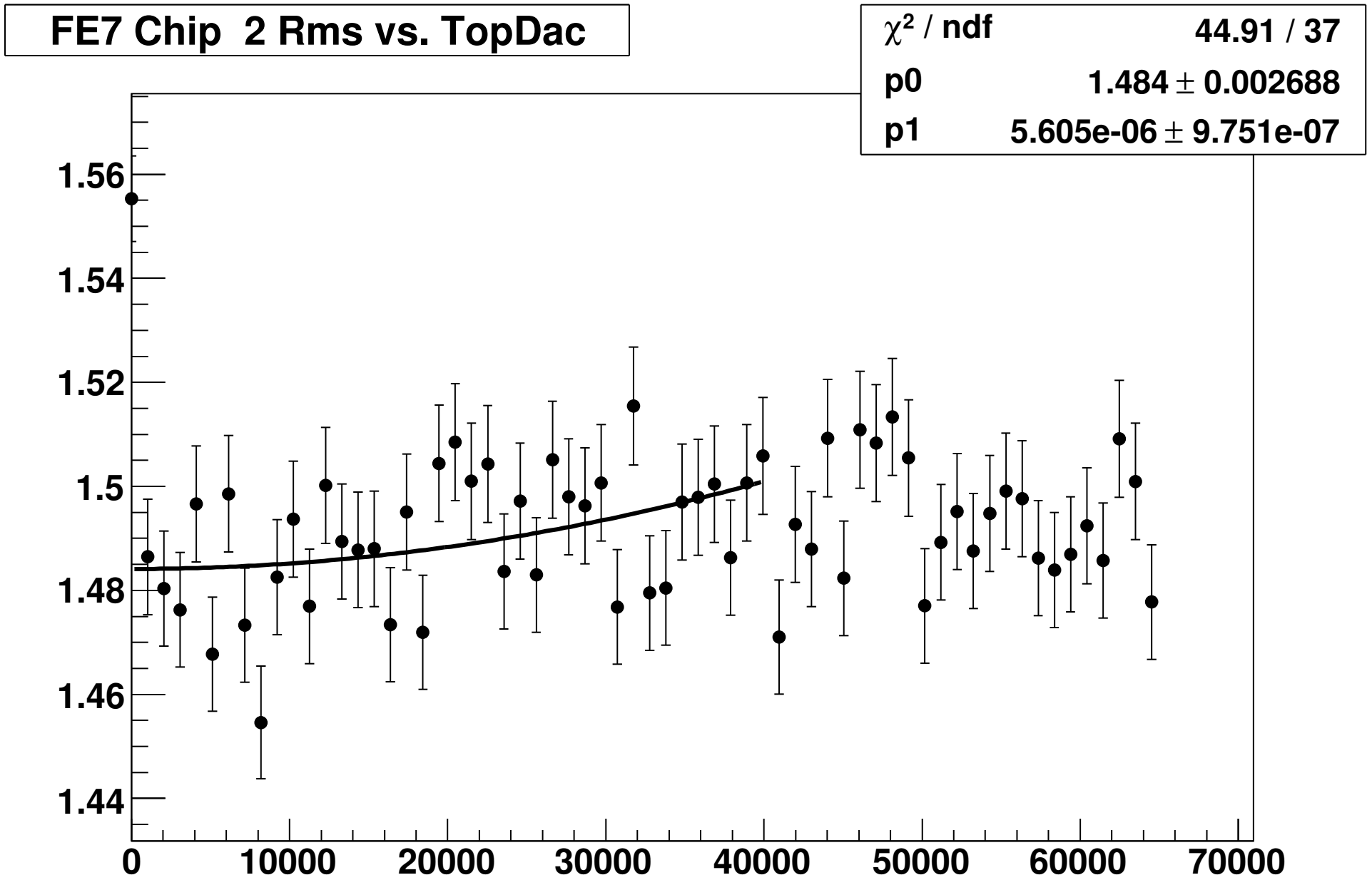
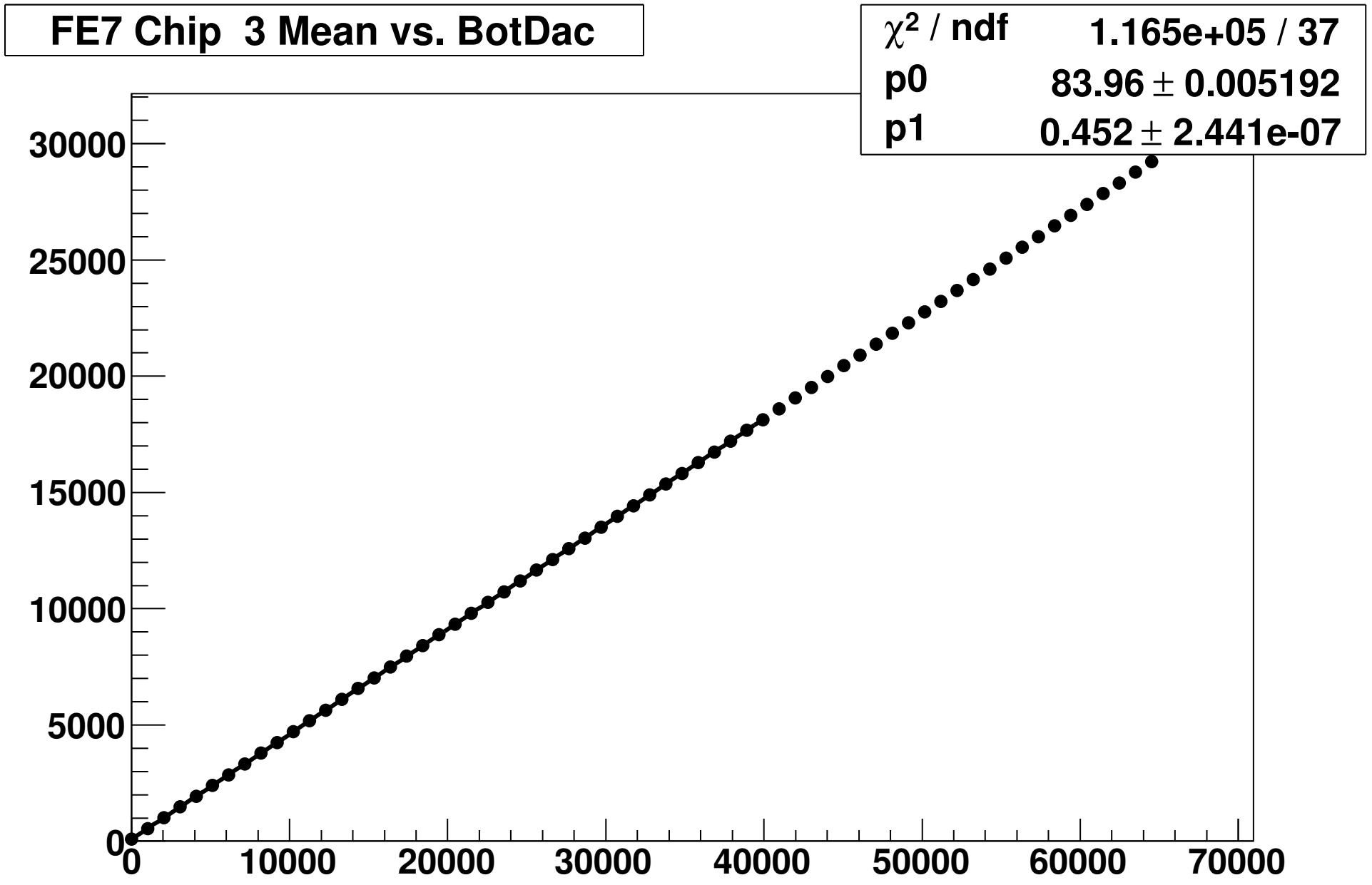
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 44.91 / 37
p0 1.484 ± 0.002688
p1 5.605e-06 ± 9.751e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.165e+05 / 37
p0 83.96 ± 0.005192
p1 0.452 ± 2.441e-07
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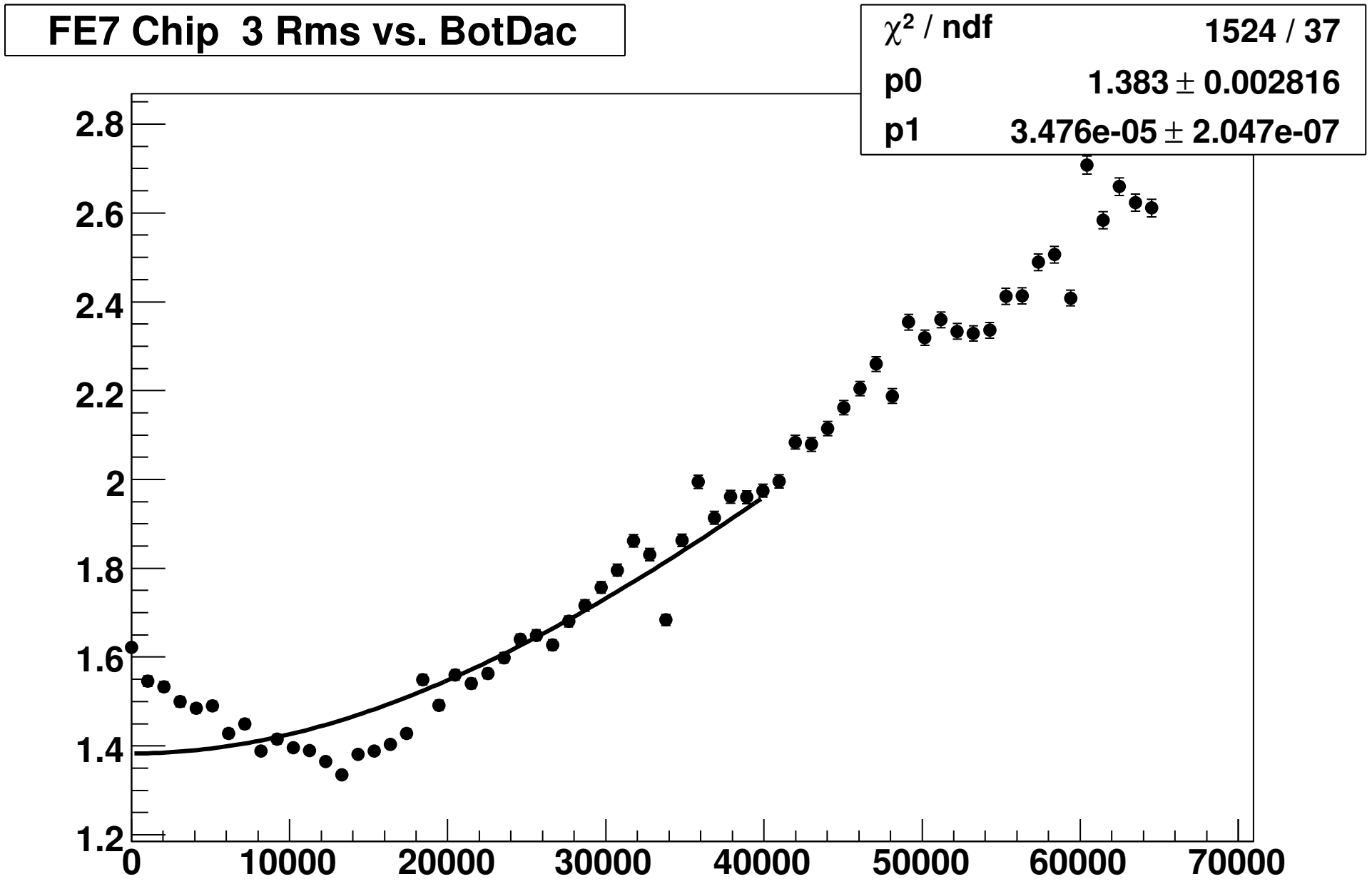
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1524 / 37
p0 1.383 ± 0.002816
p1 3.476e-05 ± 2.047e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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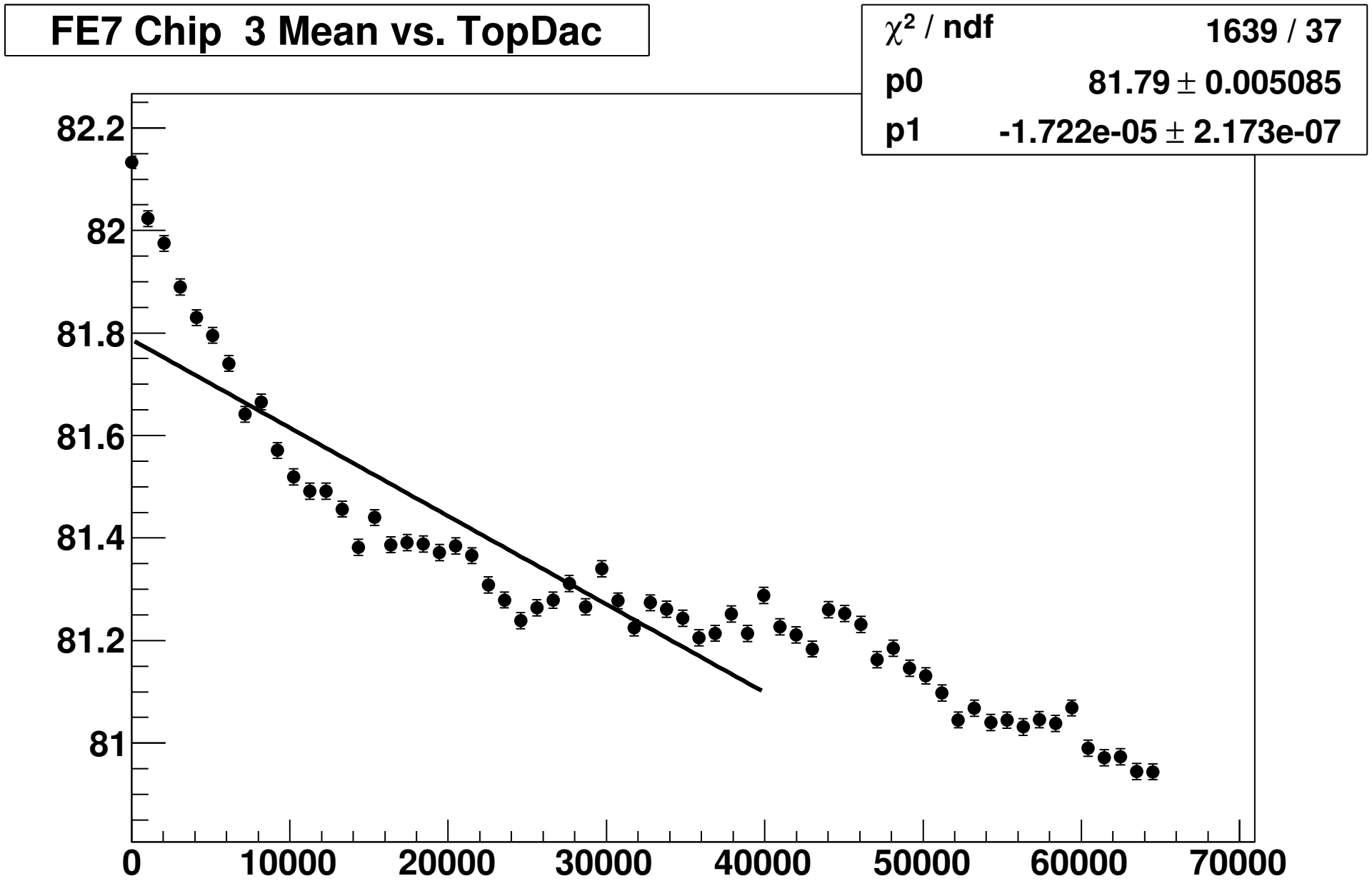
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 1639 / 37
p0 81.79 ± 0.005085
p1 -1.722e-05 ± 2.173e-07
82.2
82
81.8
81.6
81.4
81.2
81
0
10000
20000
30000
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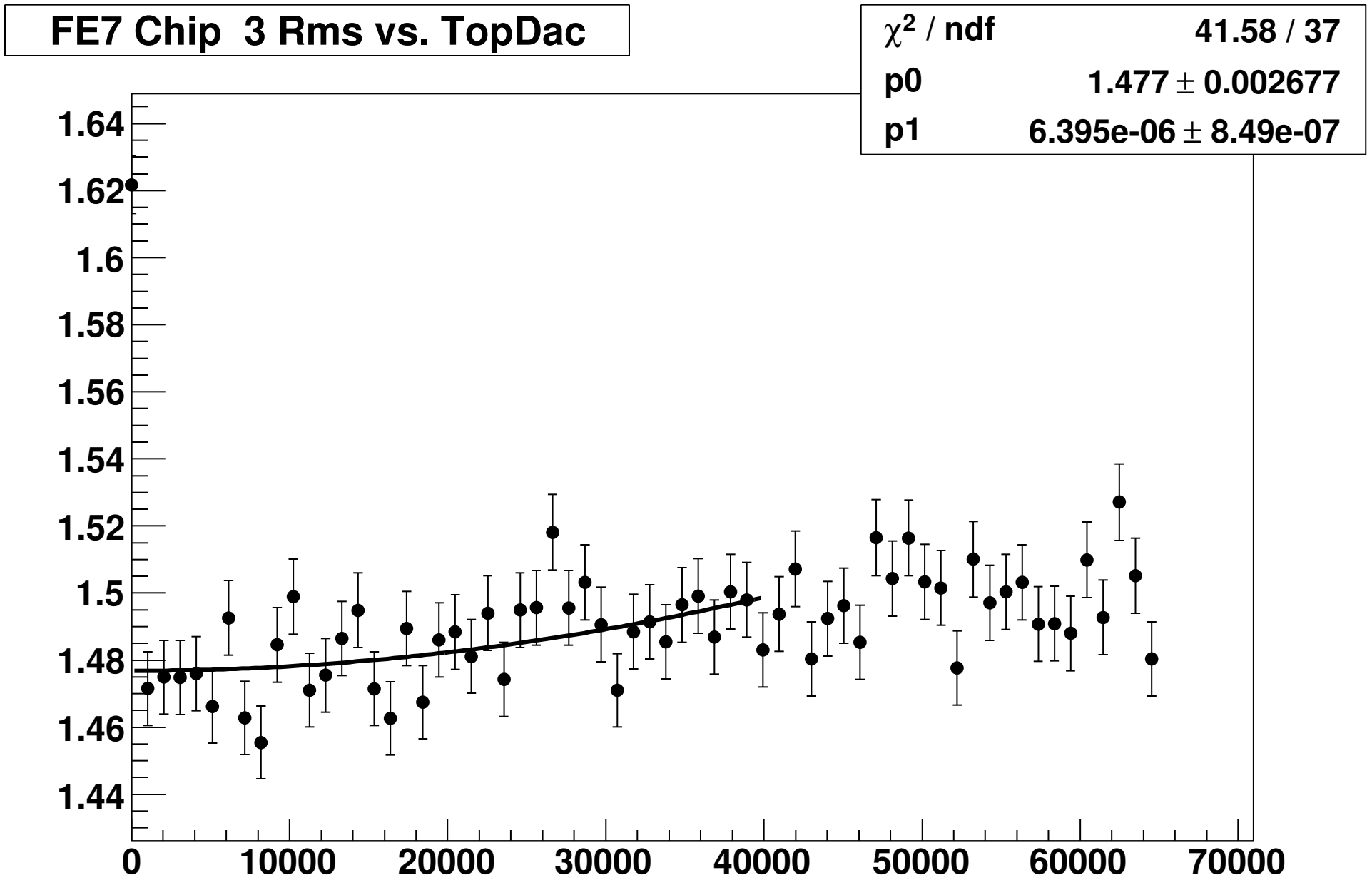
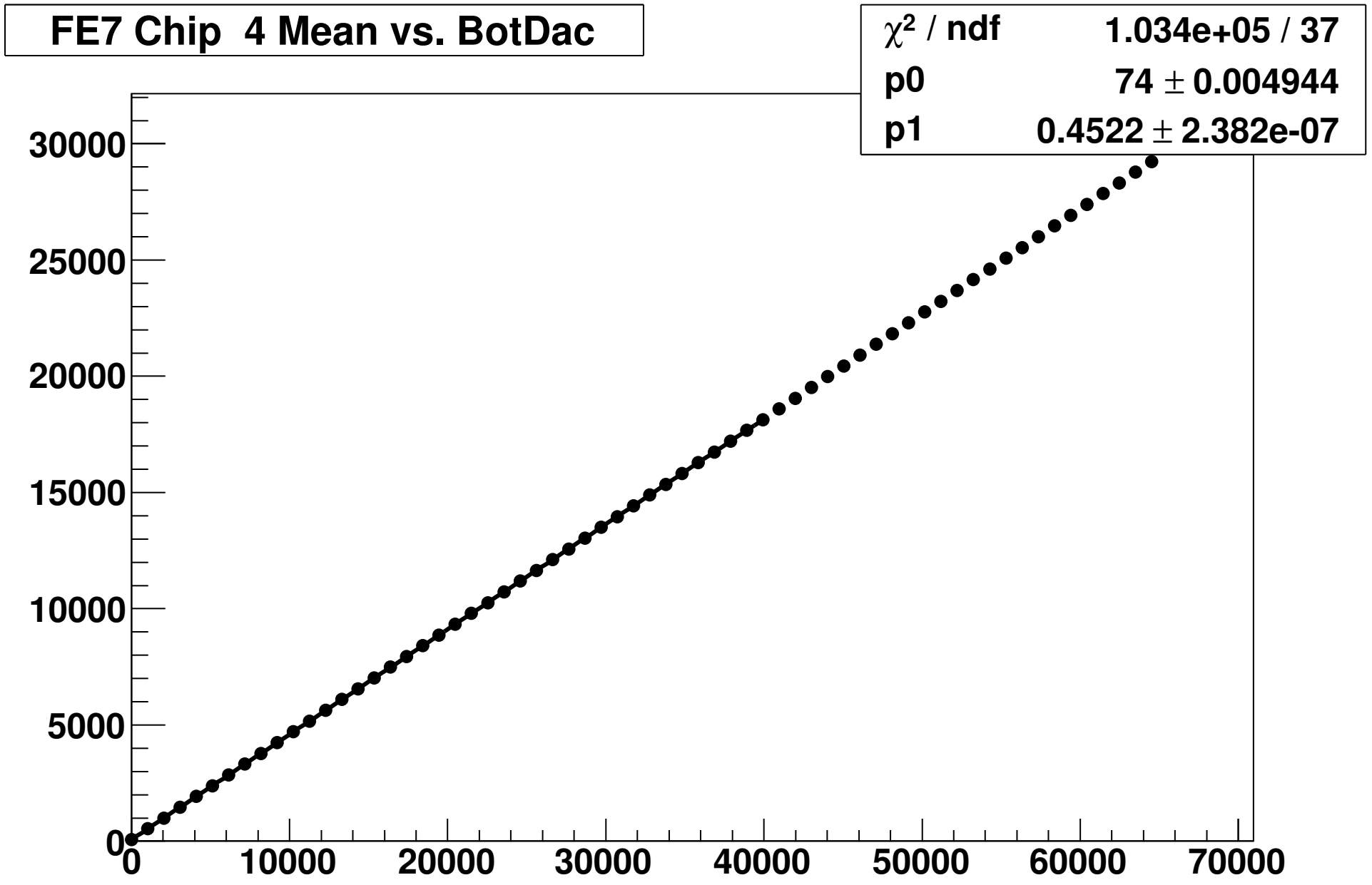
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 41.58 / 37
p0 1.477 ± 0.002677
p1 6.395e-06 ± 8.49e-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


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.034e+05 / 37
p0 74 ± 0.004944
p1 0.4522 ± 2.382e-07
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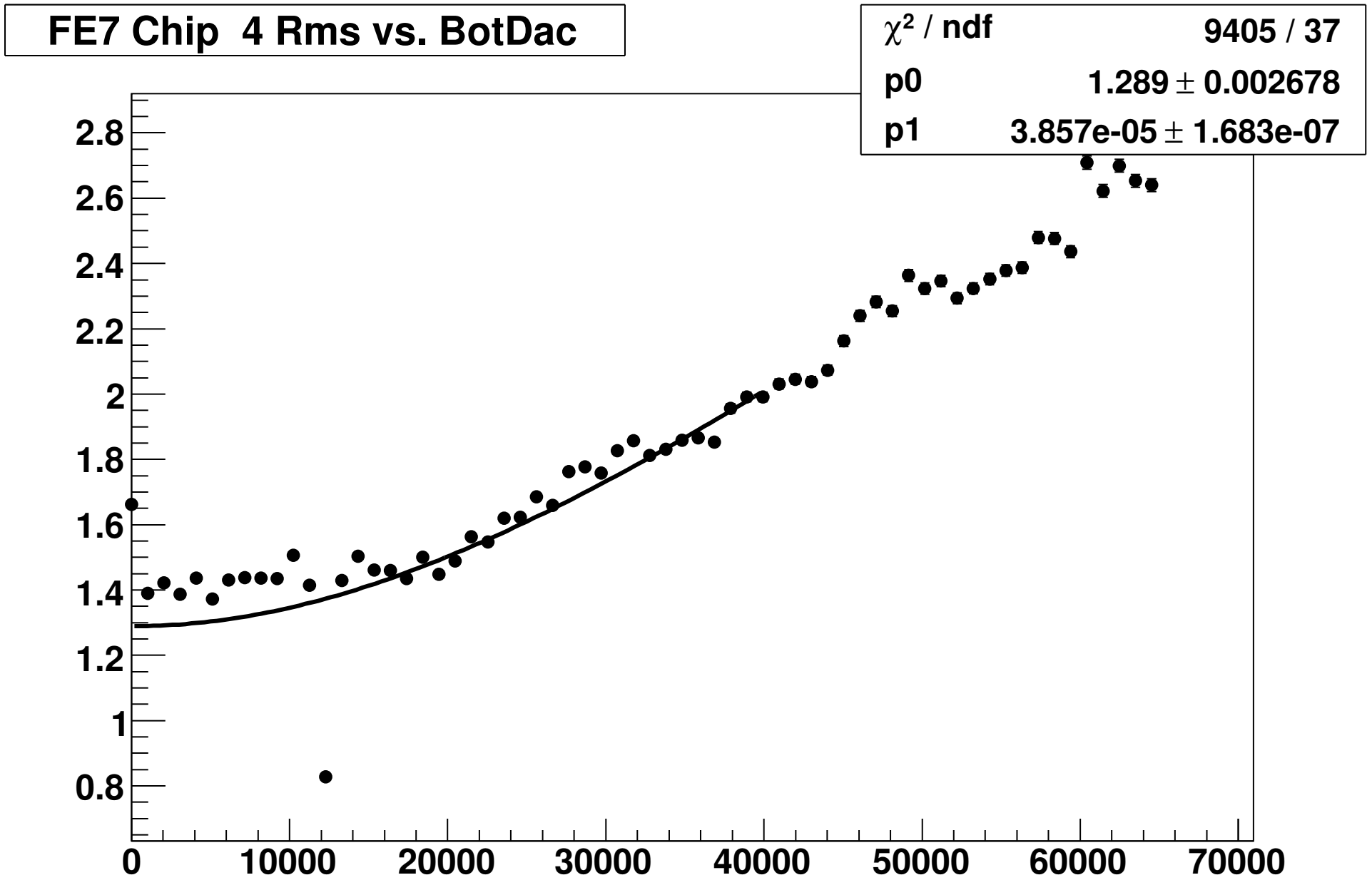
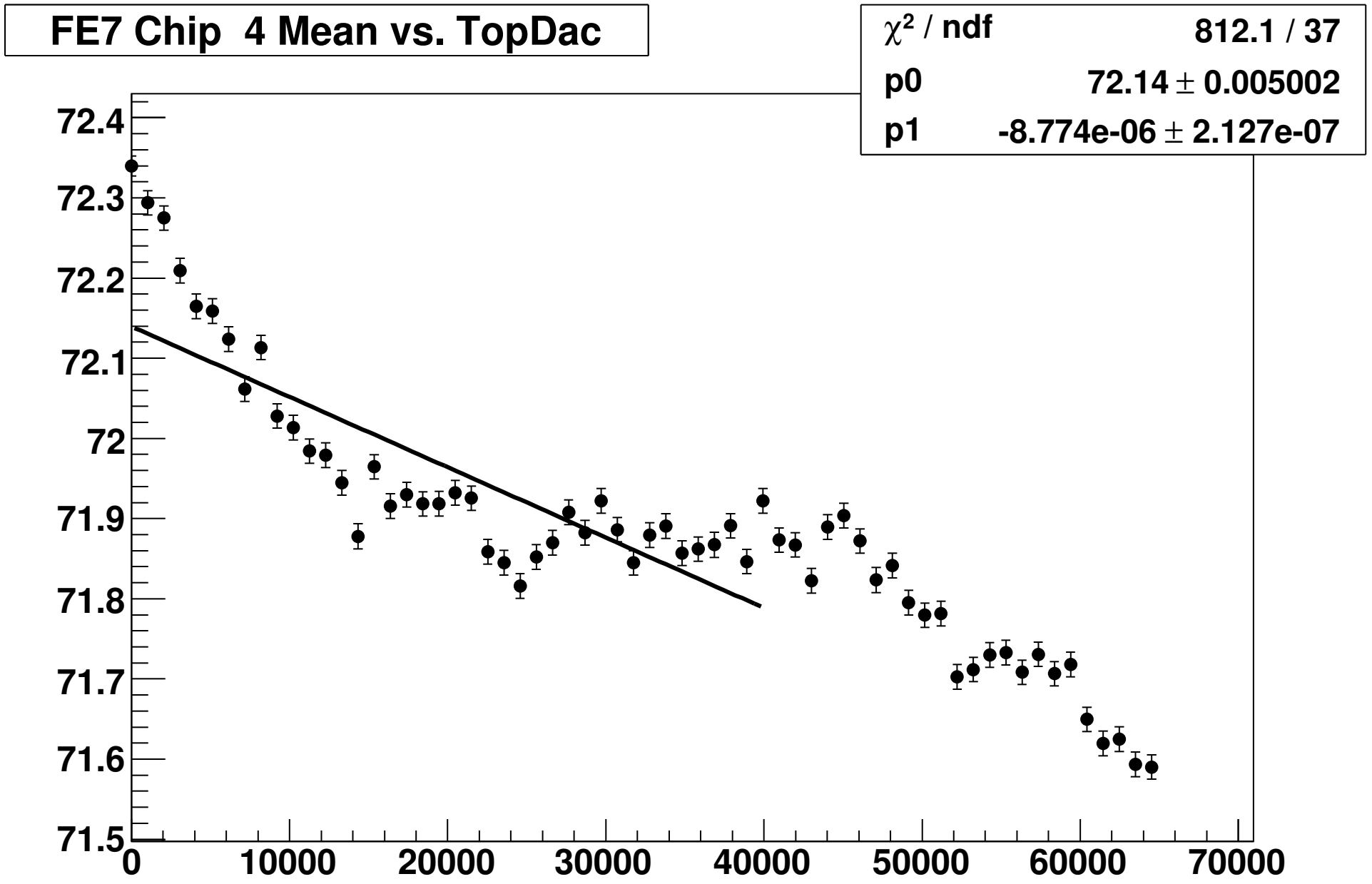
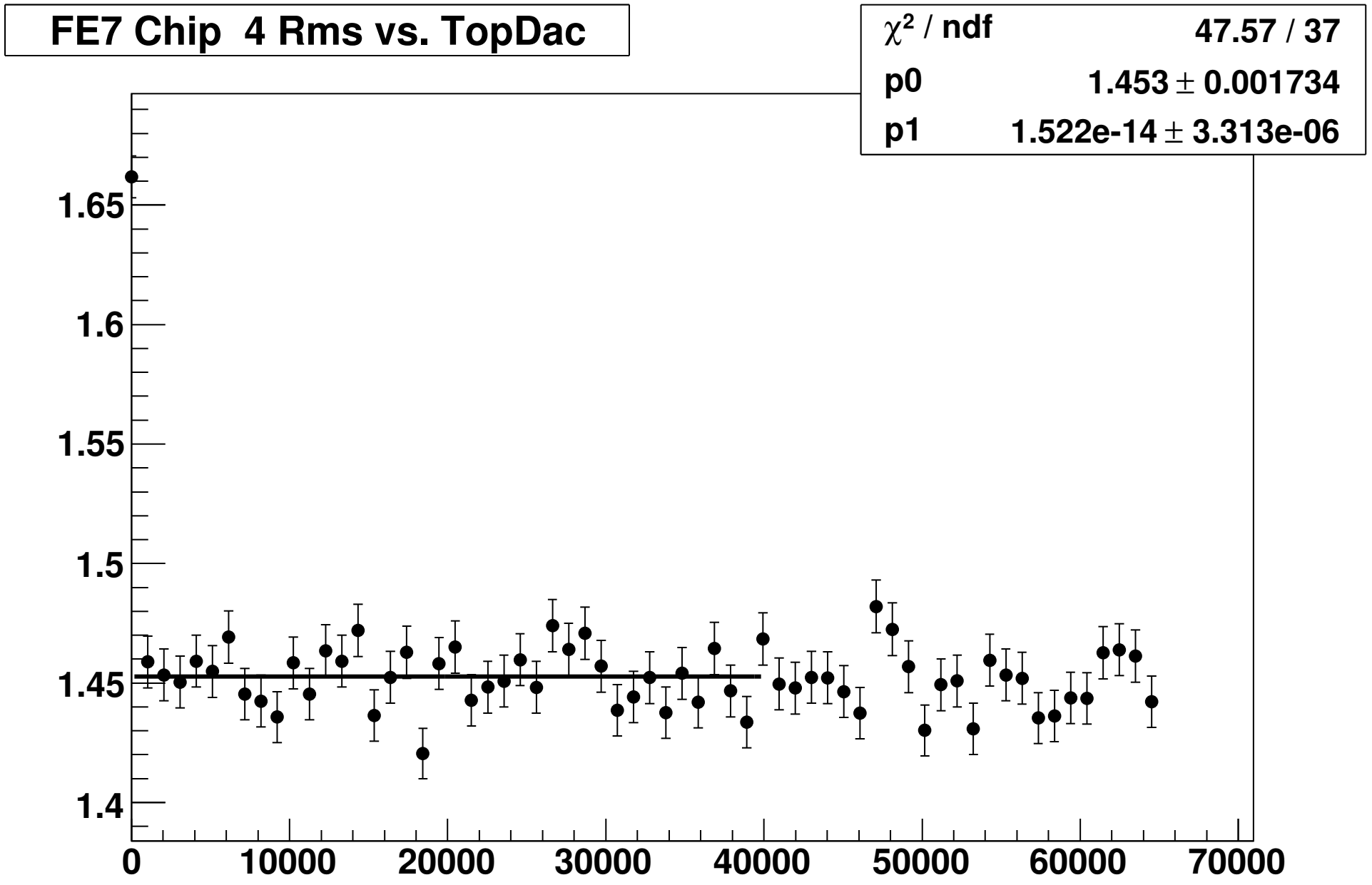
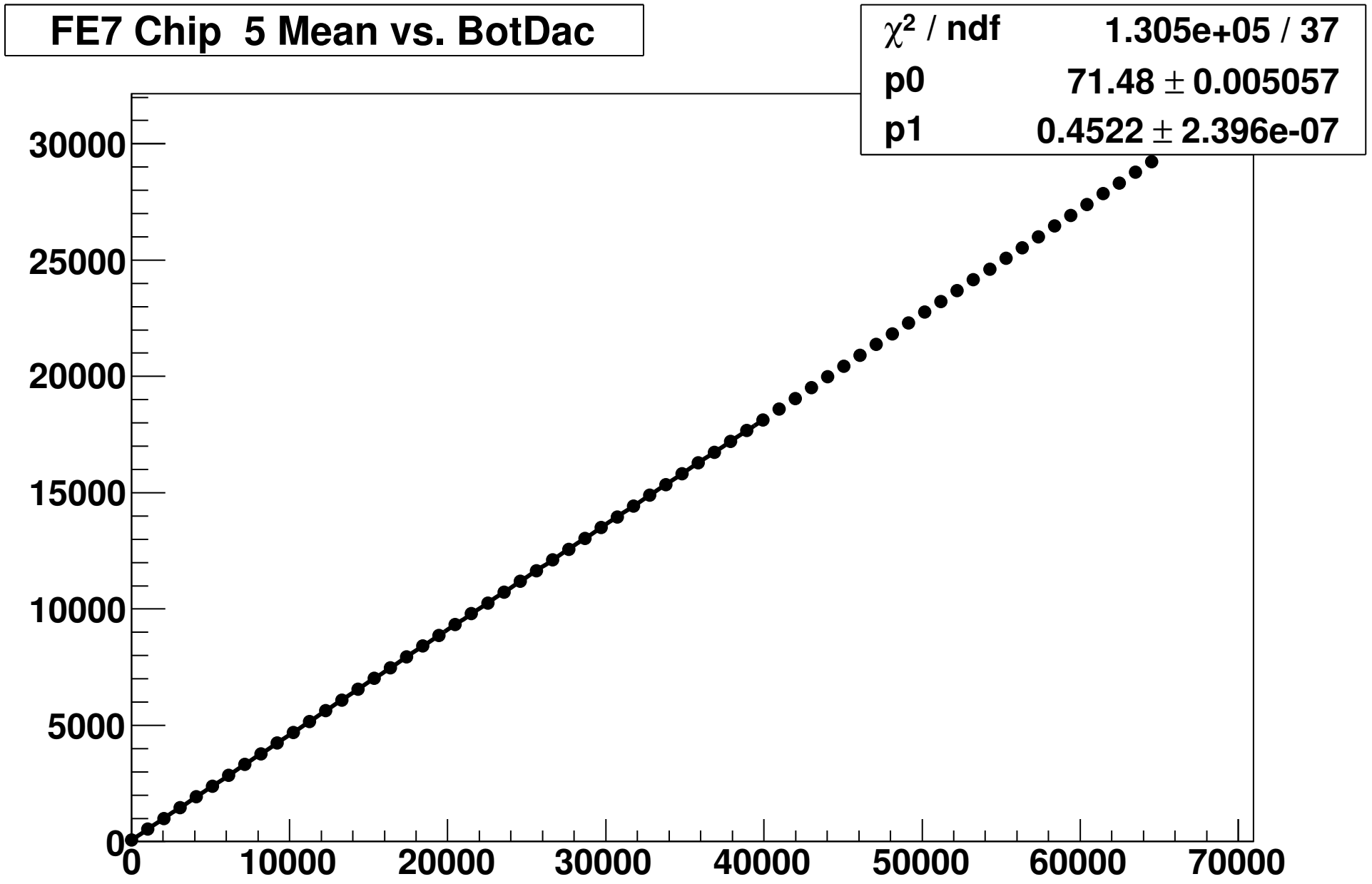
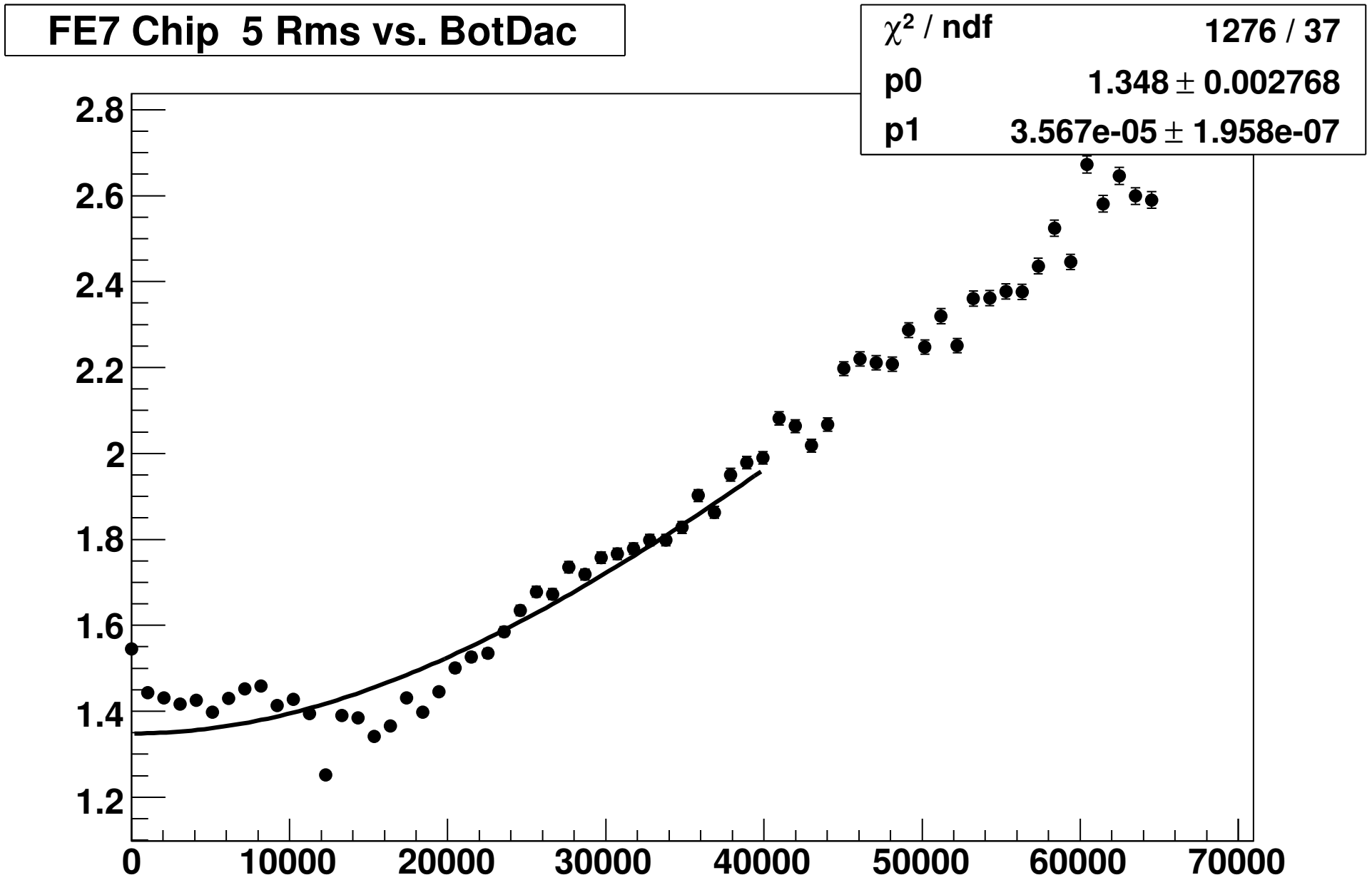
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

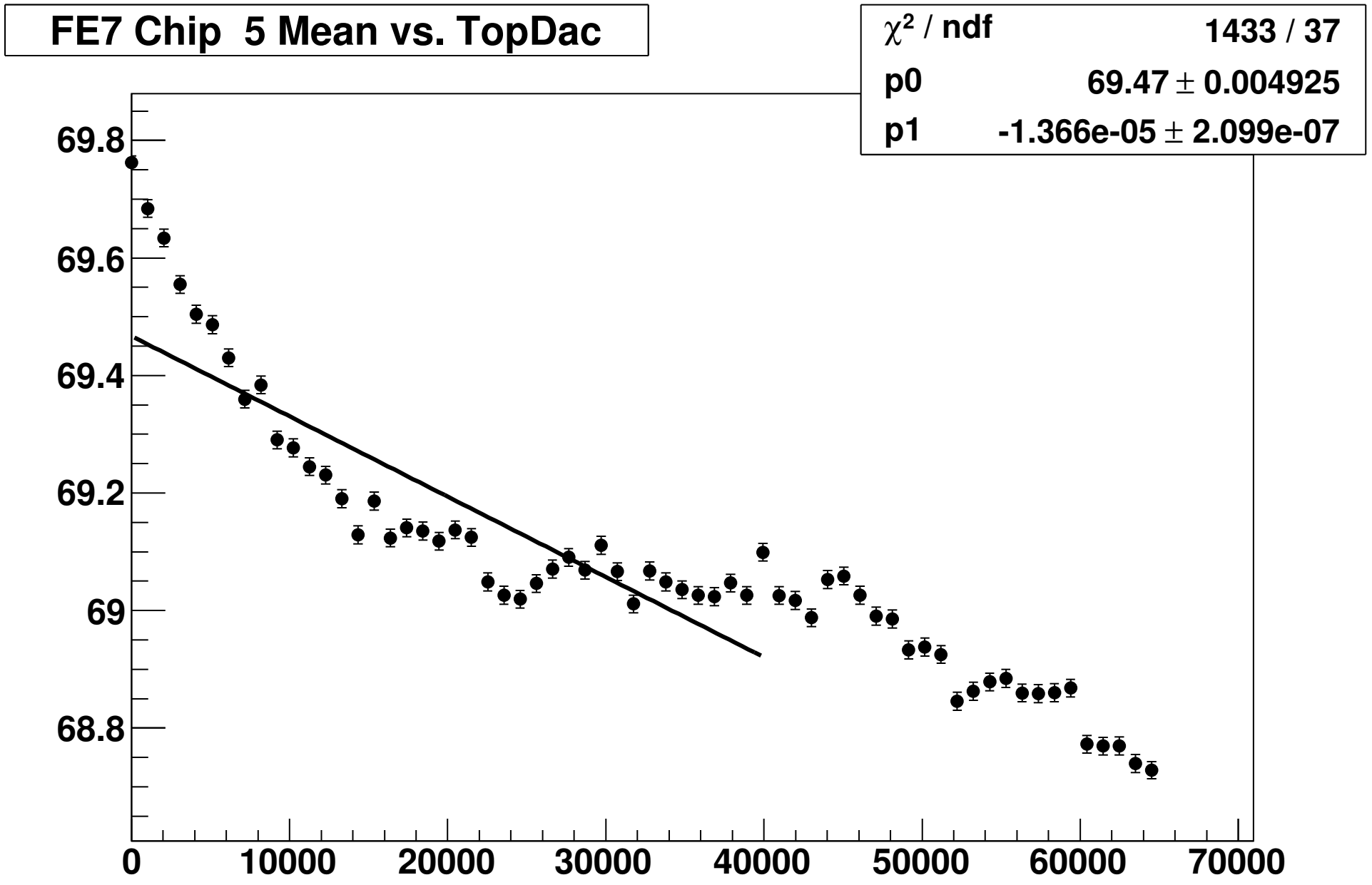

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 9405 / 37
p0 1.289 ± 0.002678
p1 3.857e-05 ± 1.683e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000
70000

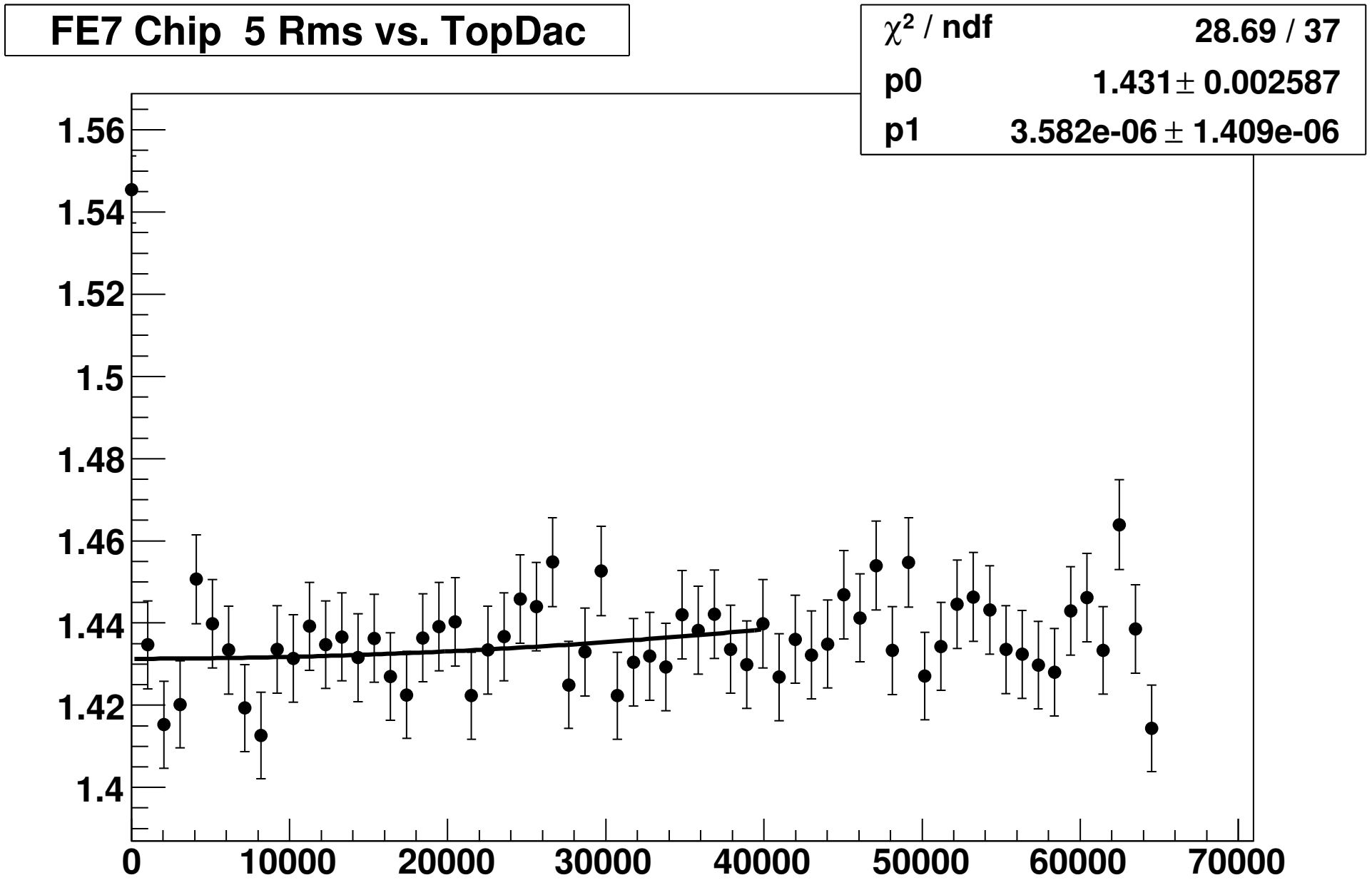

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 812.1 / 37
p0 72.14 ± 0.005002
p1 -8.774e-06 ± 2.127e-07
72.4
72.3
72.2
72.1
72
71.9
71.8
71.7
71.6
71.5
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 47.57 / 37
p0 1.453 ± 0.001734
p1 1.522e-14 ± 3.313e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.305e+05 / 37
p0 71.48 ± 0.005057
p1 0.4522 ± 2.396e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1276 / 37
p0 1.348 ± 0.002768
p1 3.567e-05 ± 1.958e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 1433 / 37
p0 69.47 ± 0.004925
p1 -1.366e-05 ± 2.099e-07
69.8
69.6
69.4
69.2
69
68.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. TopDac
χ² / ndf 28.69 / 37
p0 1.431 ± 0.002587
p1 3.582e-06 ± 1.409e-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
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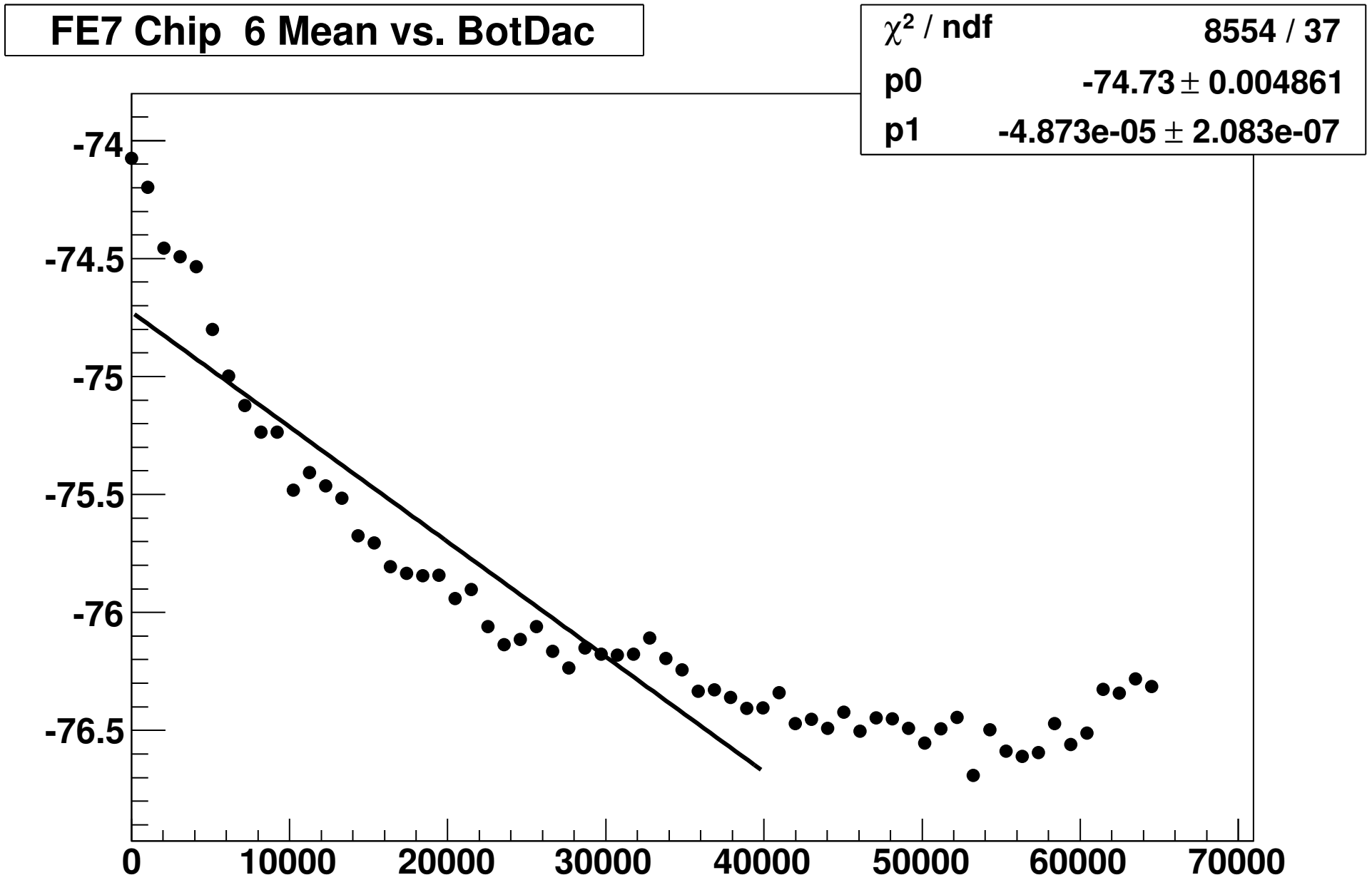
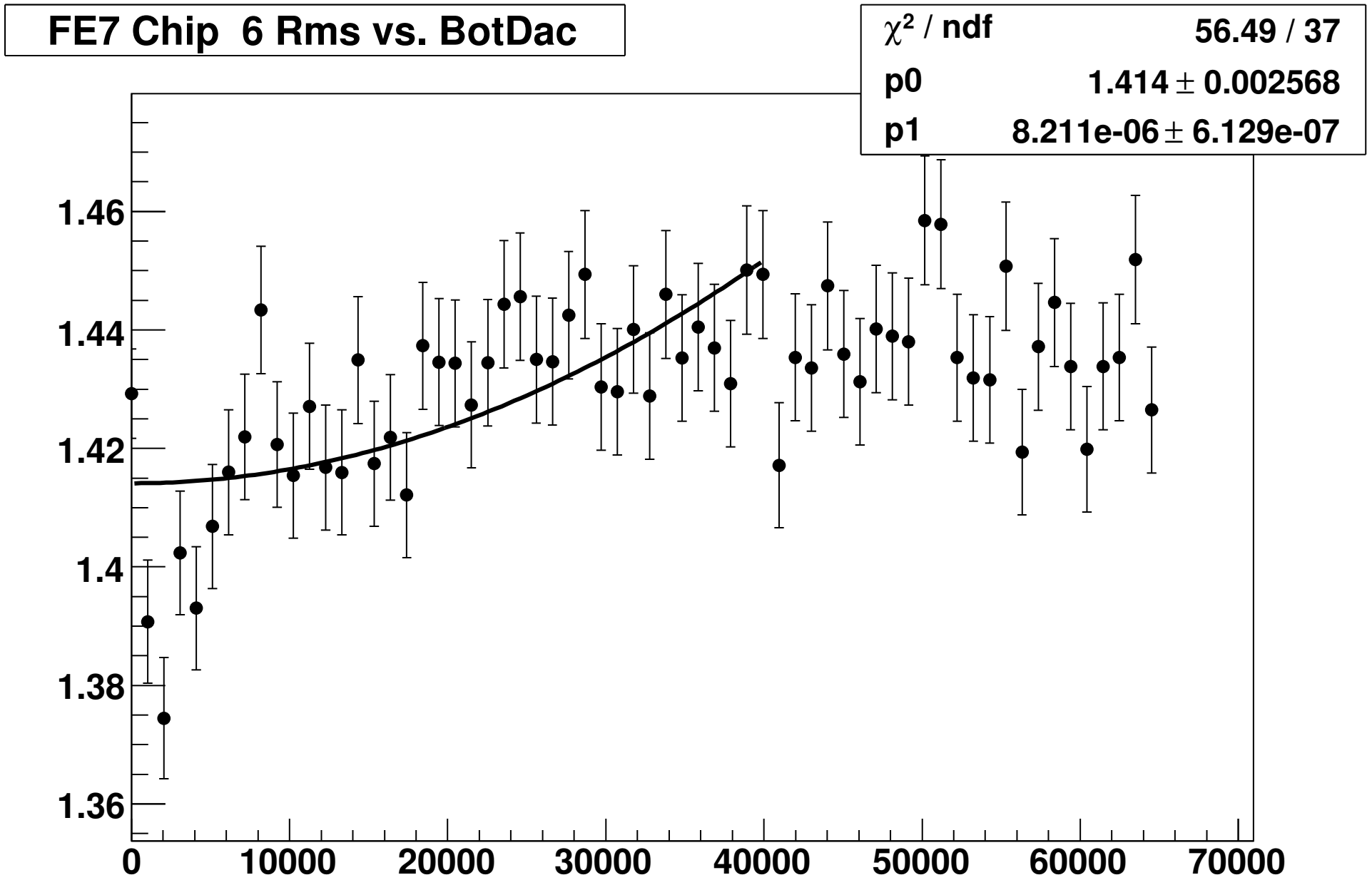

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 8554 / 37
p0 -74.73 ± 0.004861
p1 -4.873e-05 ± 2.083e-07
-74
-74.5
-75
-75.5
-76
-76.5
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. BotDac
χ² / ndf 56.49 / 37
p0 1.414 ± 0.002568
p1 8.211e-06 ± 6.129e-07
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
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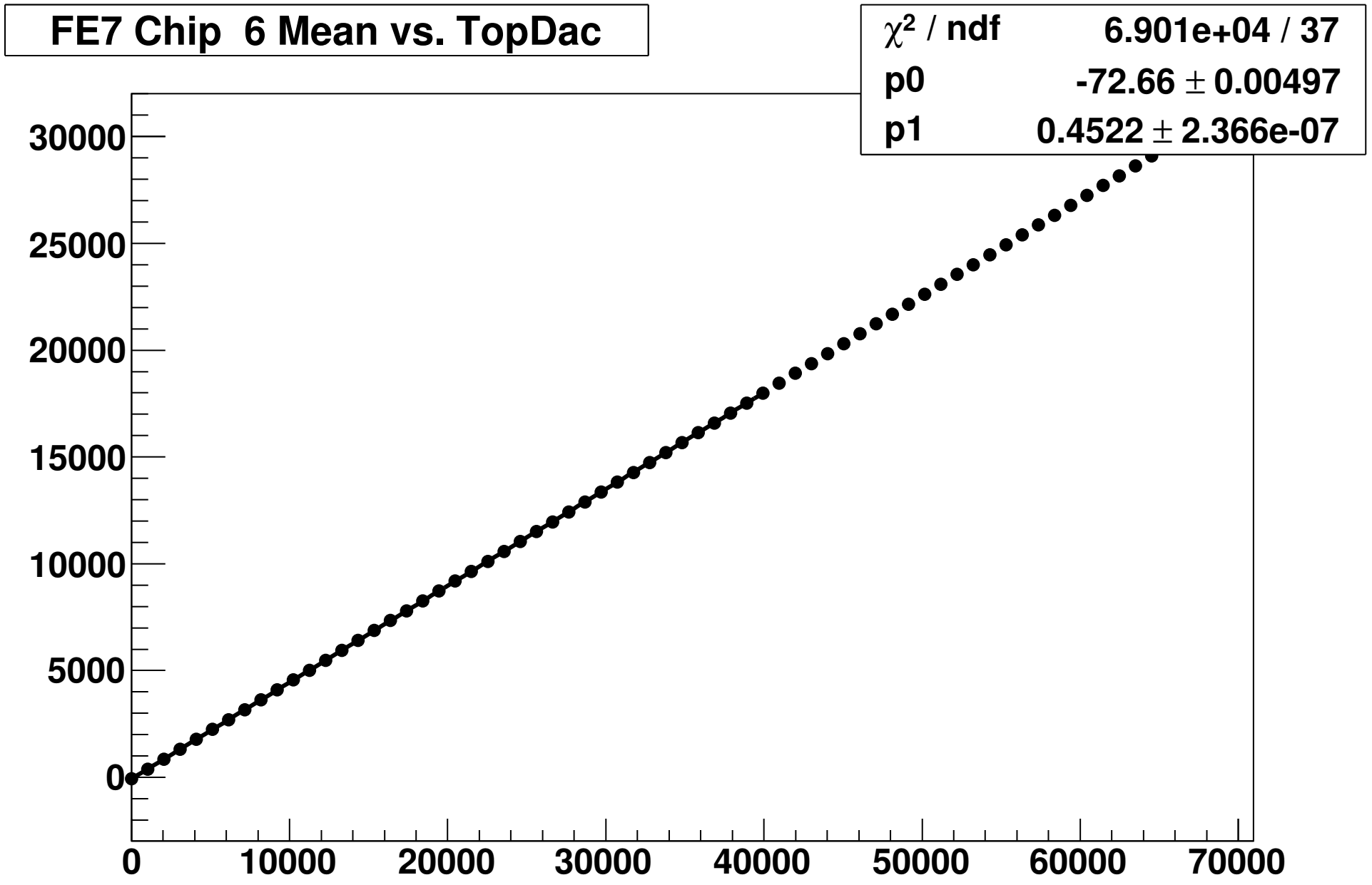
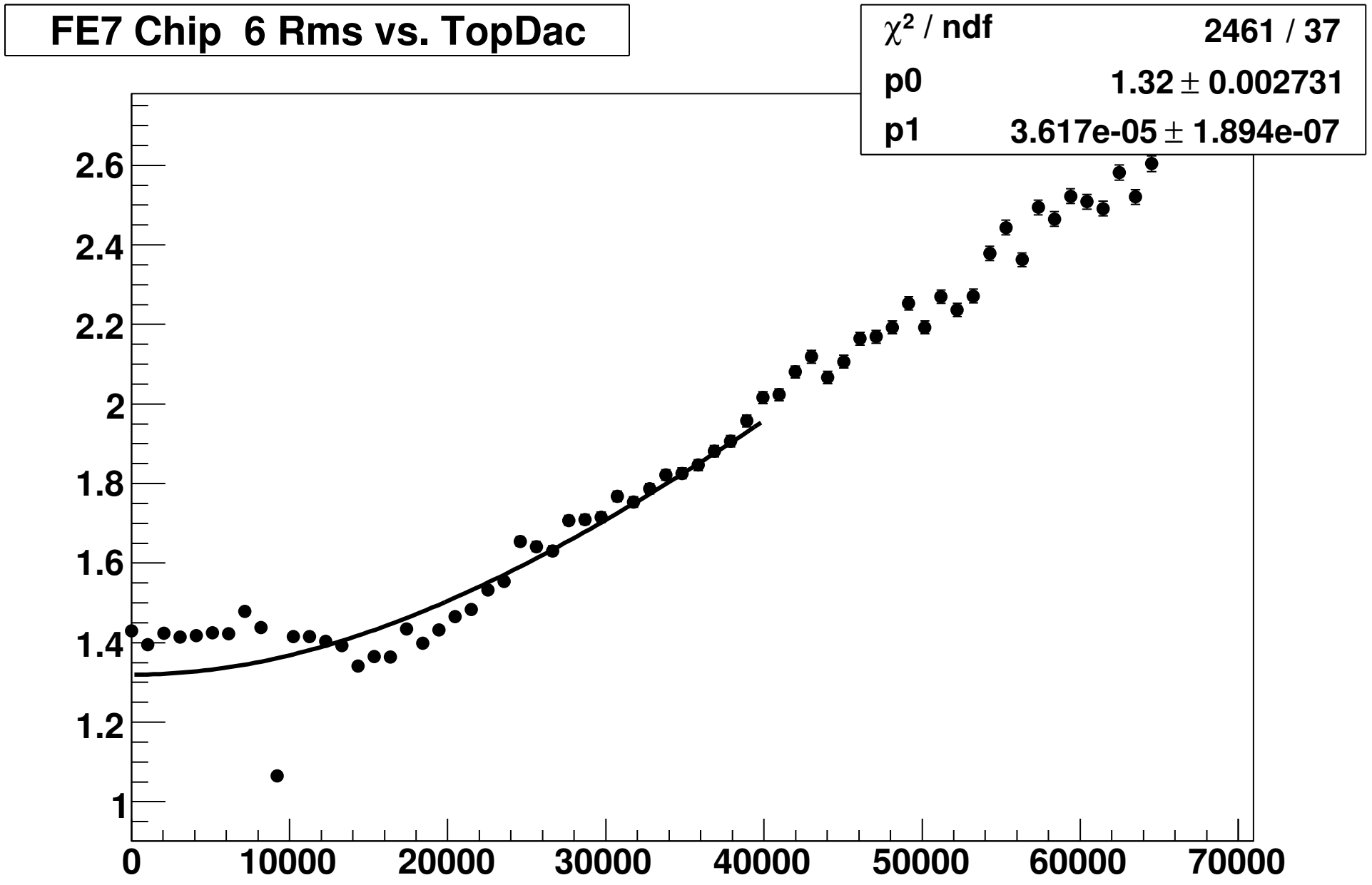
60000
70000


FE7 Chip 6 Mean vs. TopDac
χ² / ndf 6.901e+04 / 37
p0 -72.66 ± 0.00497
p1 0.4522 ± 2.366e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 2461 / 37
p0 1.32 ± 0.002731
p1 3.617e-05 ± 1.894e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
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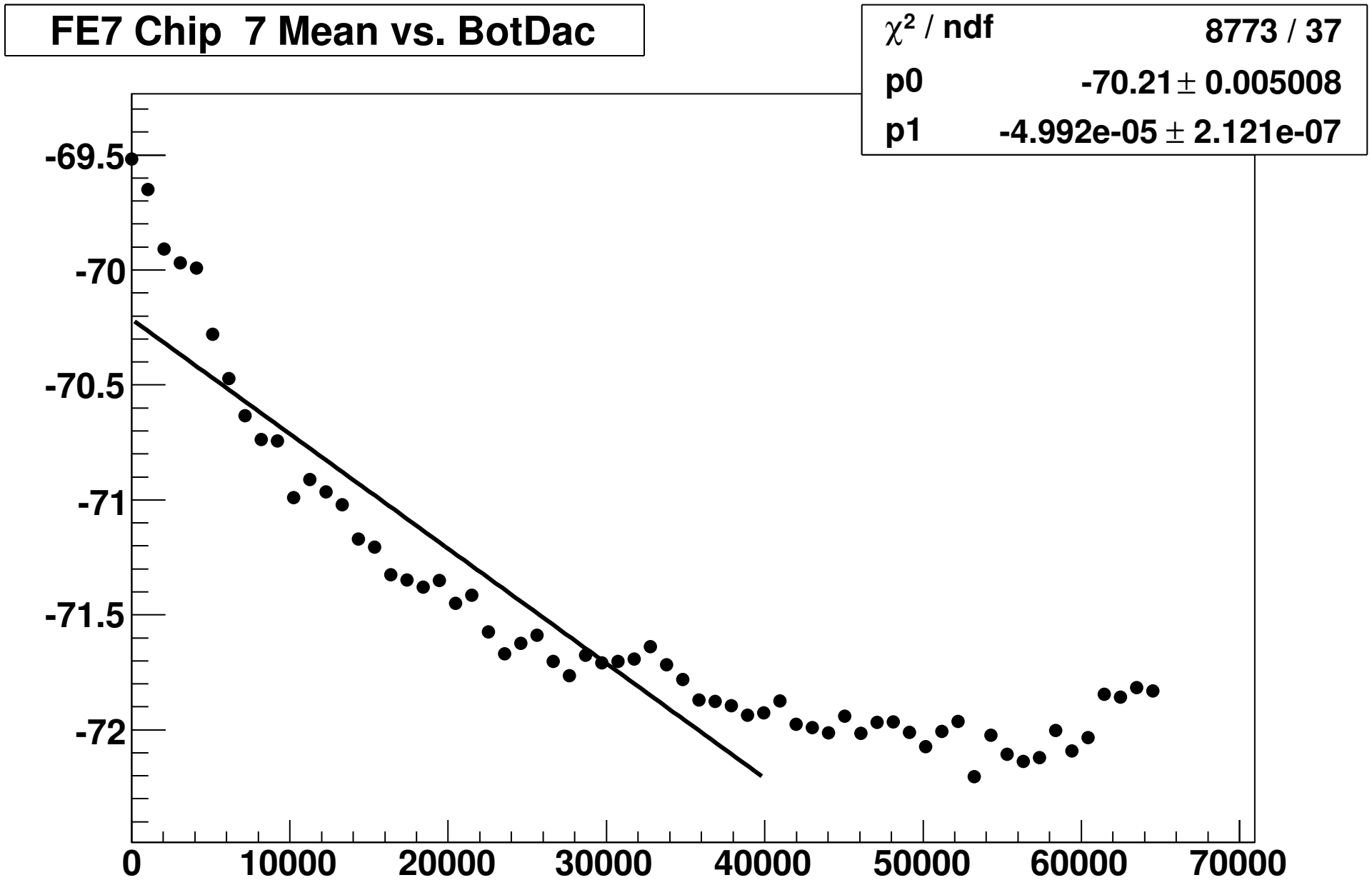
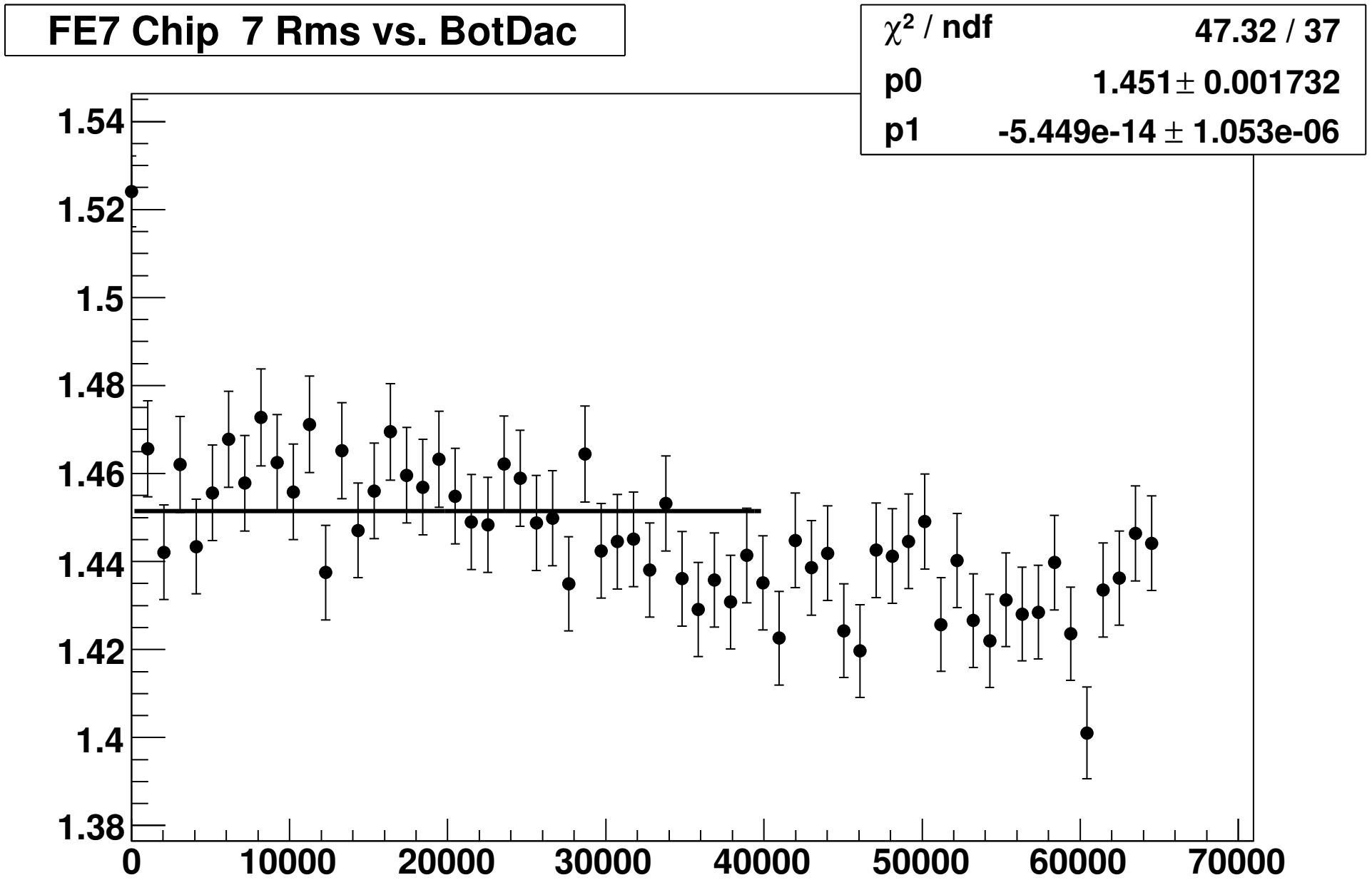
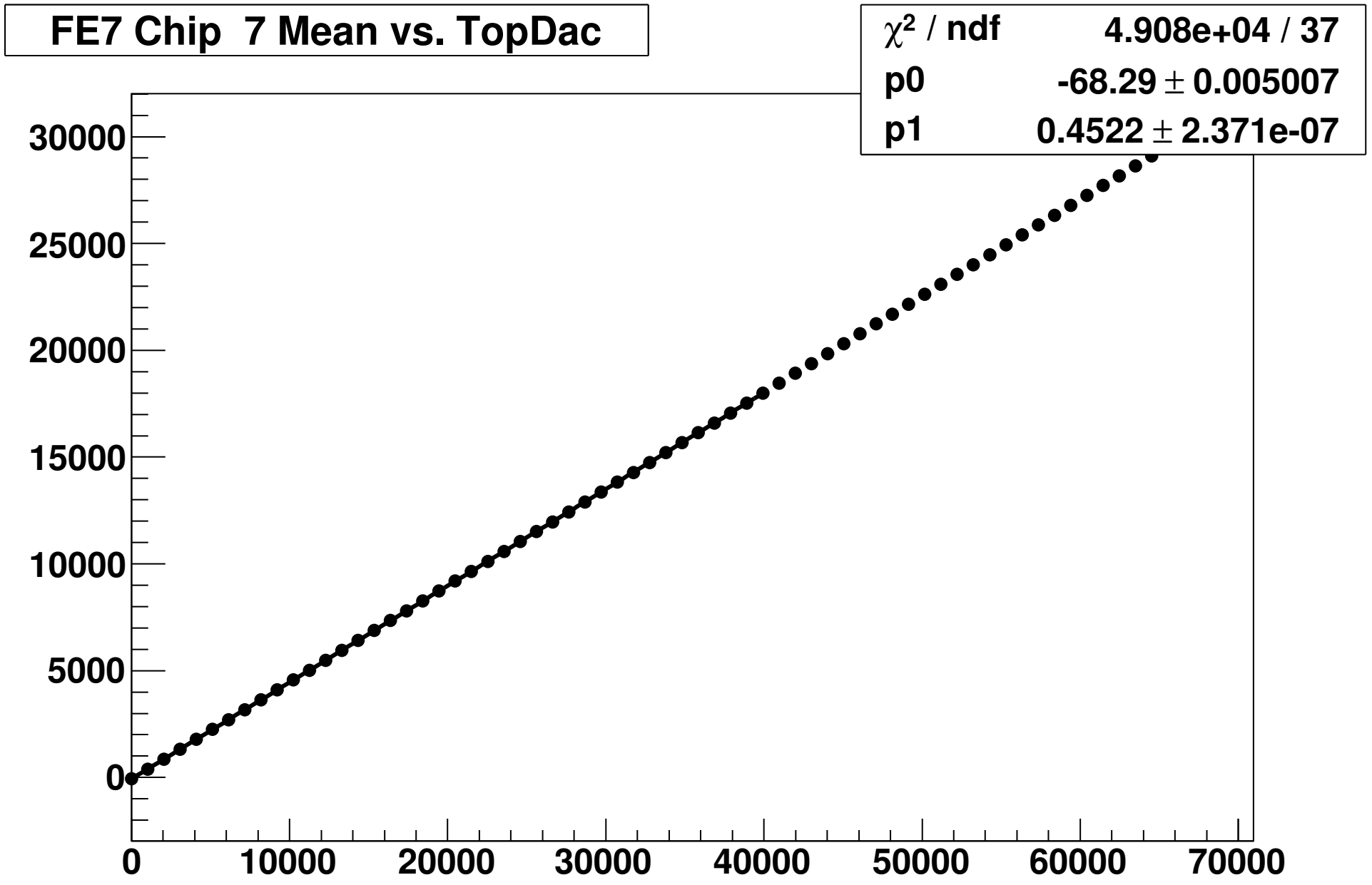
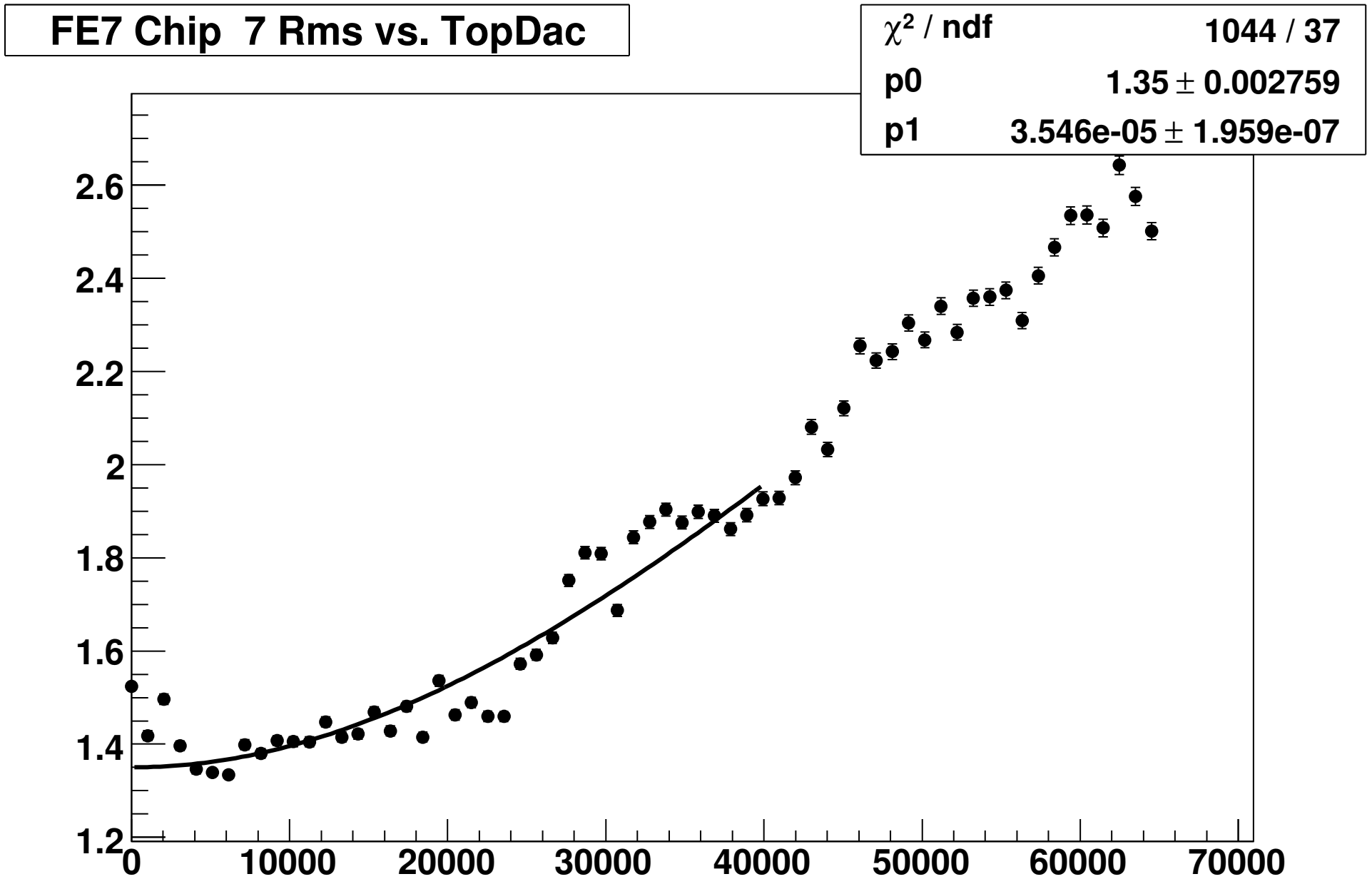

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 8773 / 37
p0 -70.21 ± 0.005008
p1 -4.992e-05 ± 2.121e-07
-69.5
-70
-70.5
-71
-71.5
-72
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 7 Rms vs. BotDac
χ² / ndf 47.32 / 37
p0 1.451 ± 0.001732
p1 -5.449e-14 ± 1.053e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 7 Mean vs. TopDac
χ² / ndf 4.908e+04 / 37
p0 -68.29 ± 0.005007
p1 0.4522 ± 2.371e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1044 / 37
p0 1.35 ± 0.002759
p1 3.546e-05 ± 1.959e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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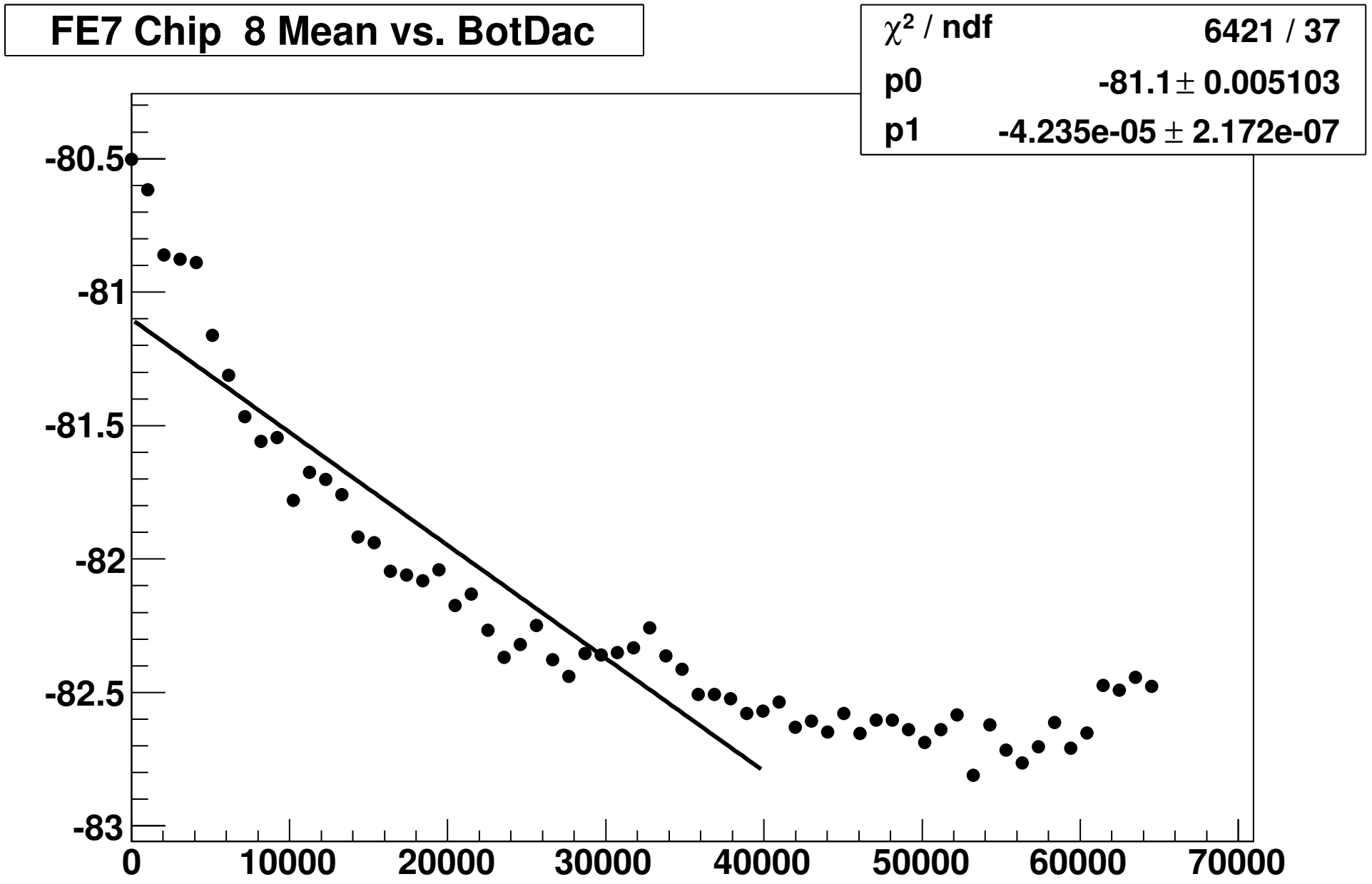
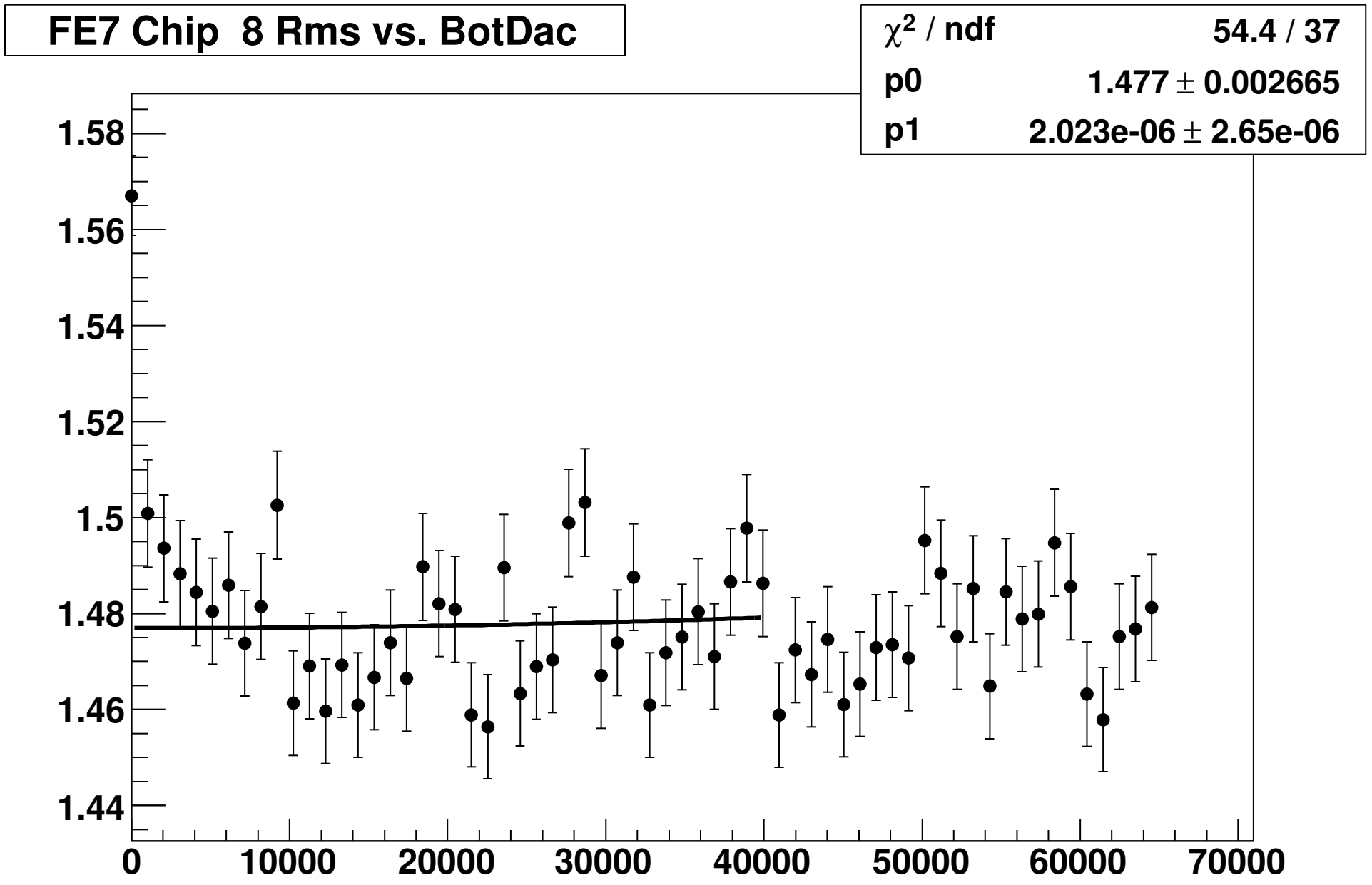

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 6421 / 37
p0 -81.1 ± 0.005103
p1 -4.235e-05 ± 2.172e-07
-80.5
-81
-81.5
-82
-82.5
-83
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 8 Rms vs. BotDac
χ² / ndf 54.4 / 37
p0 1.477 ± 0.002665
p1 2.023e-06 ± 2.65e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
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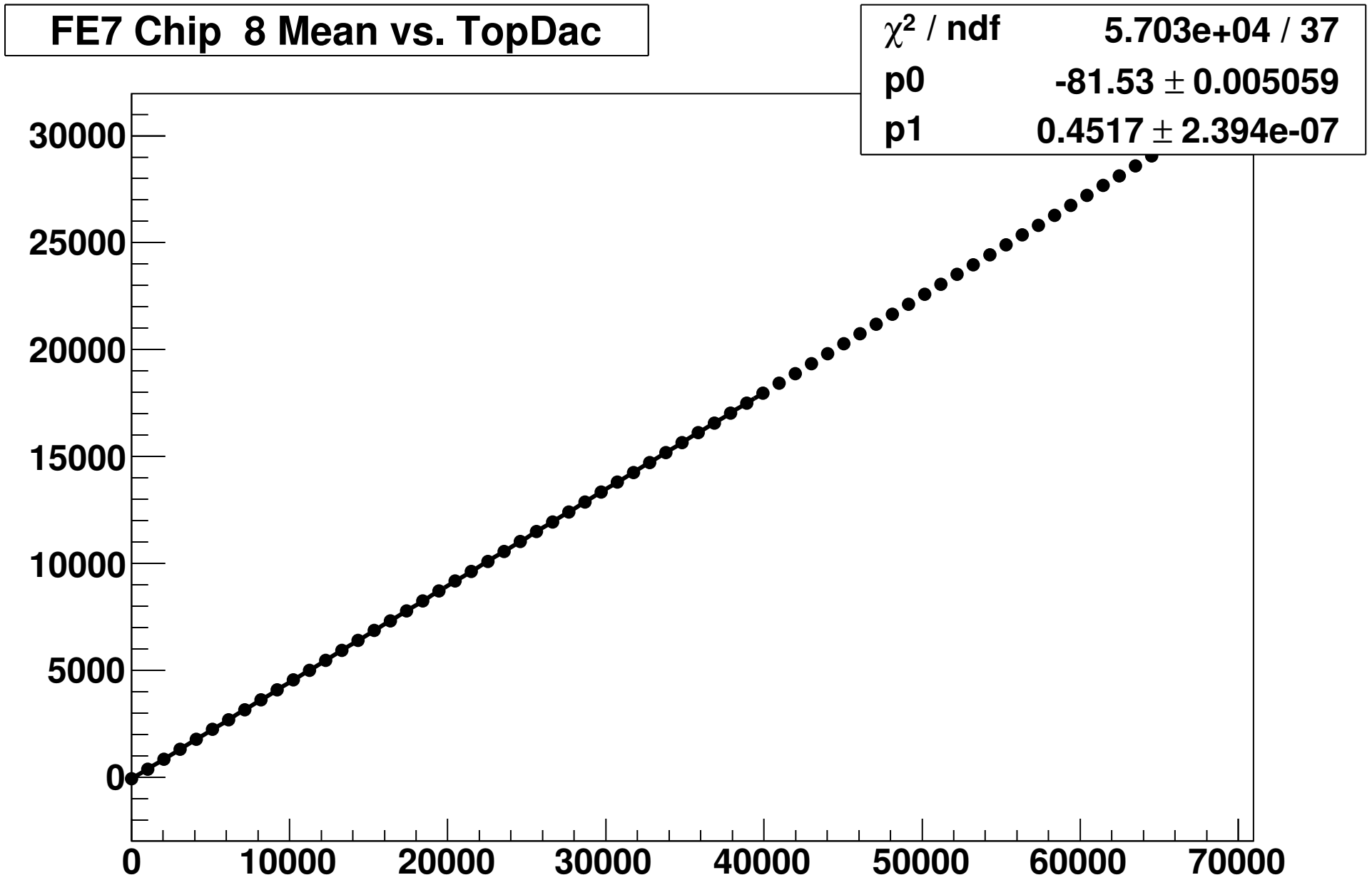
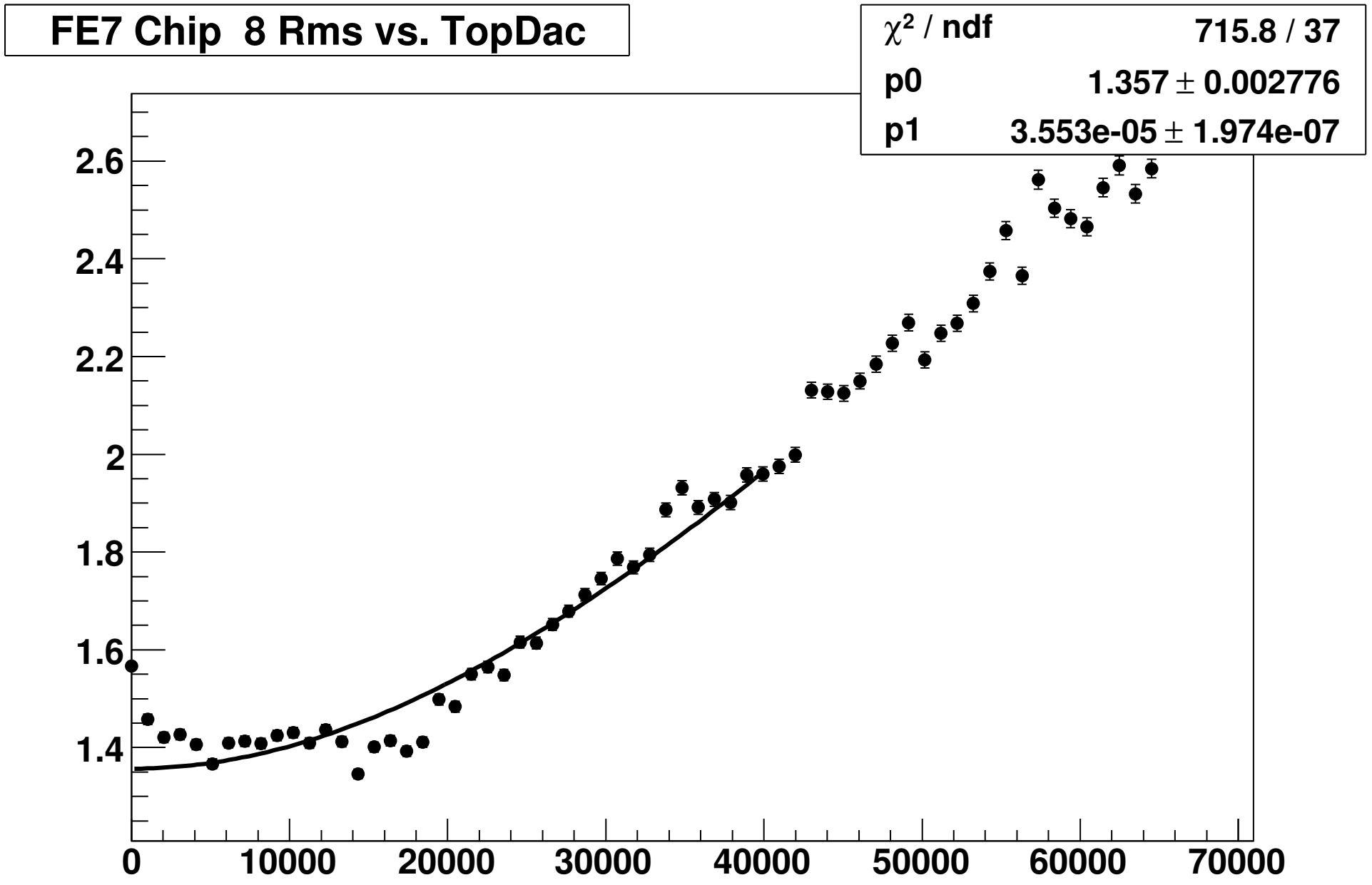
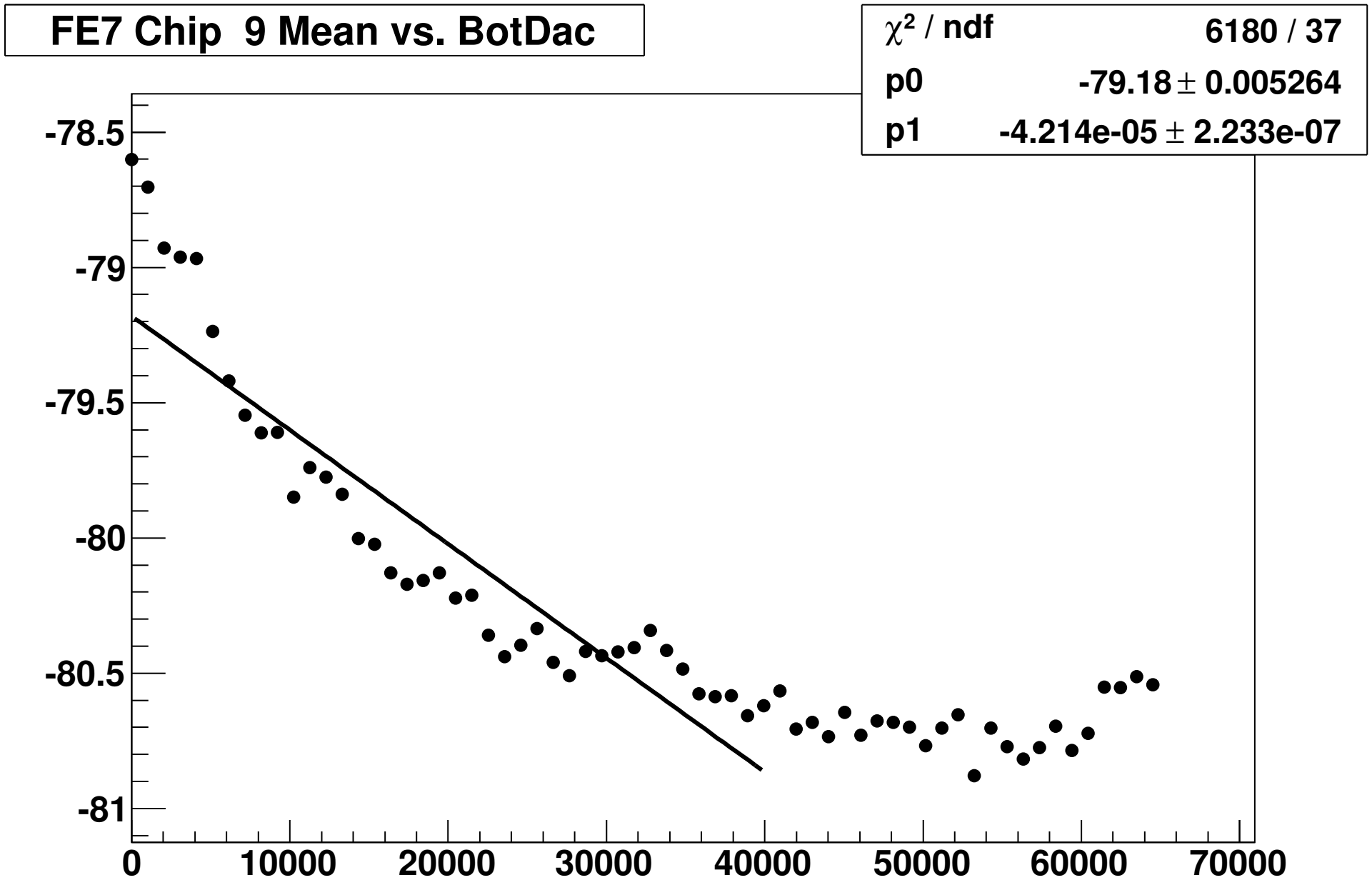
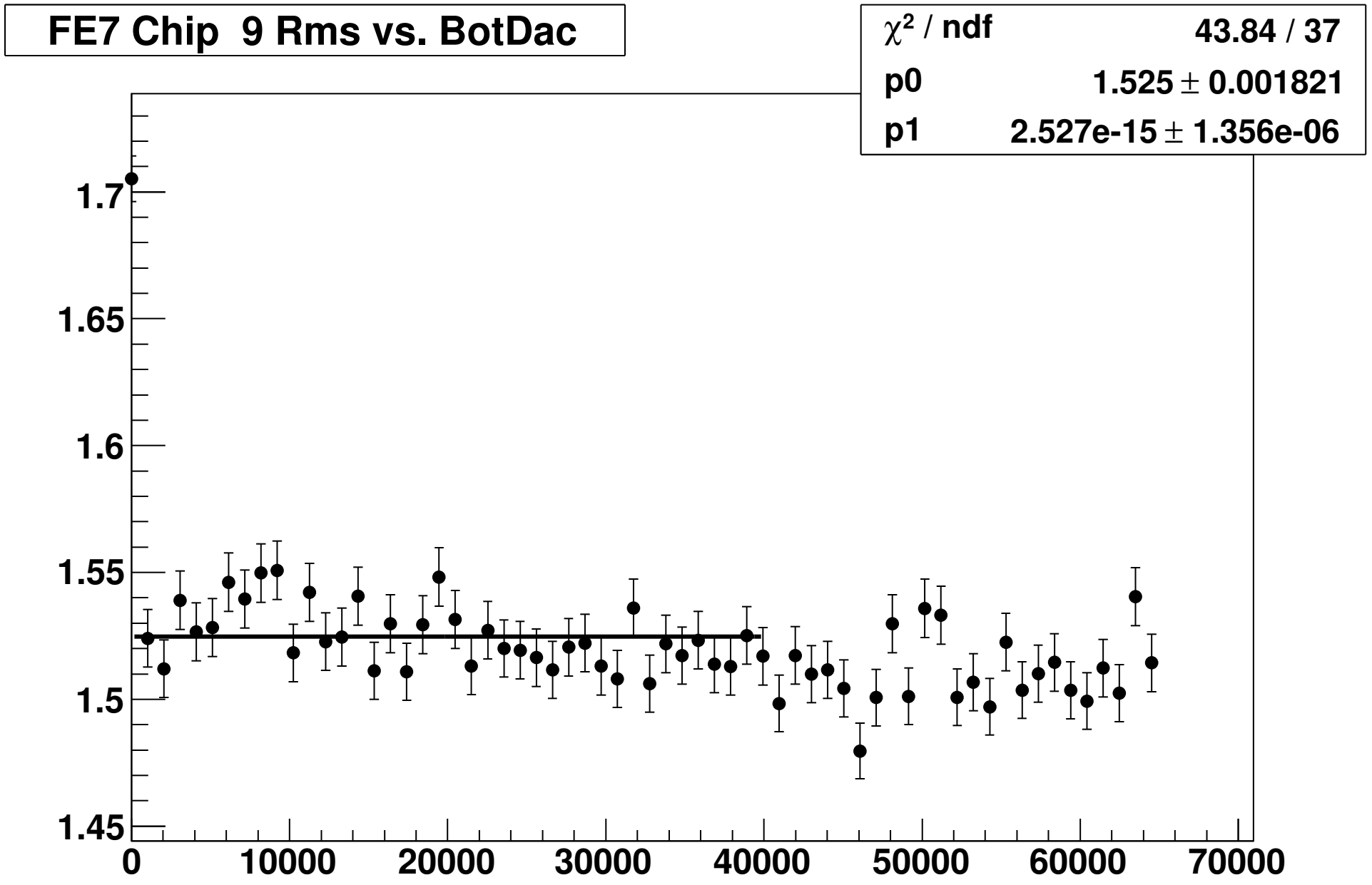
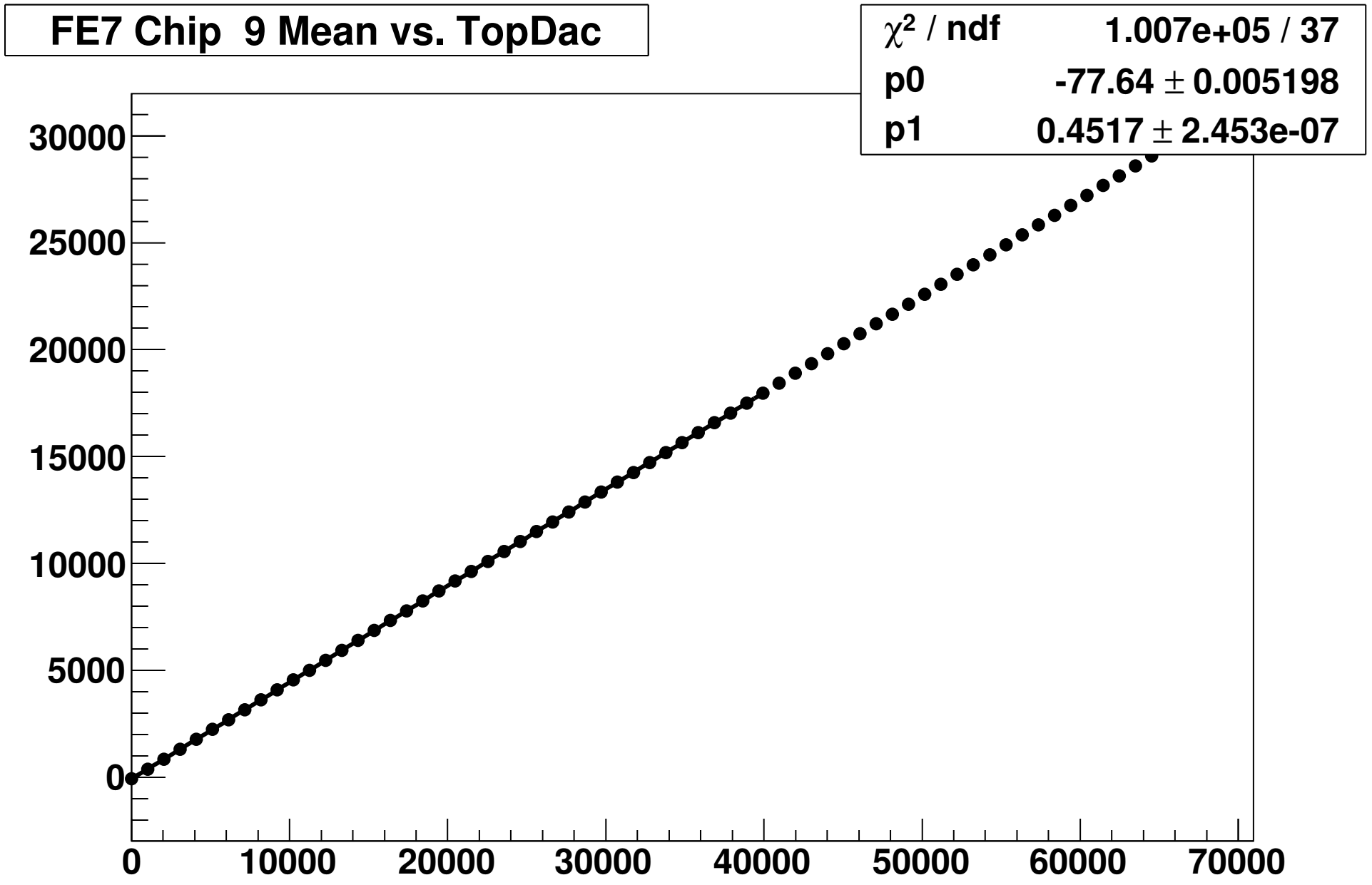
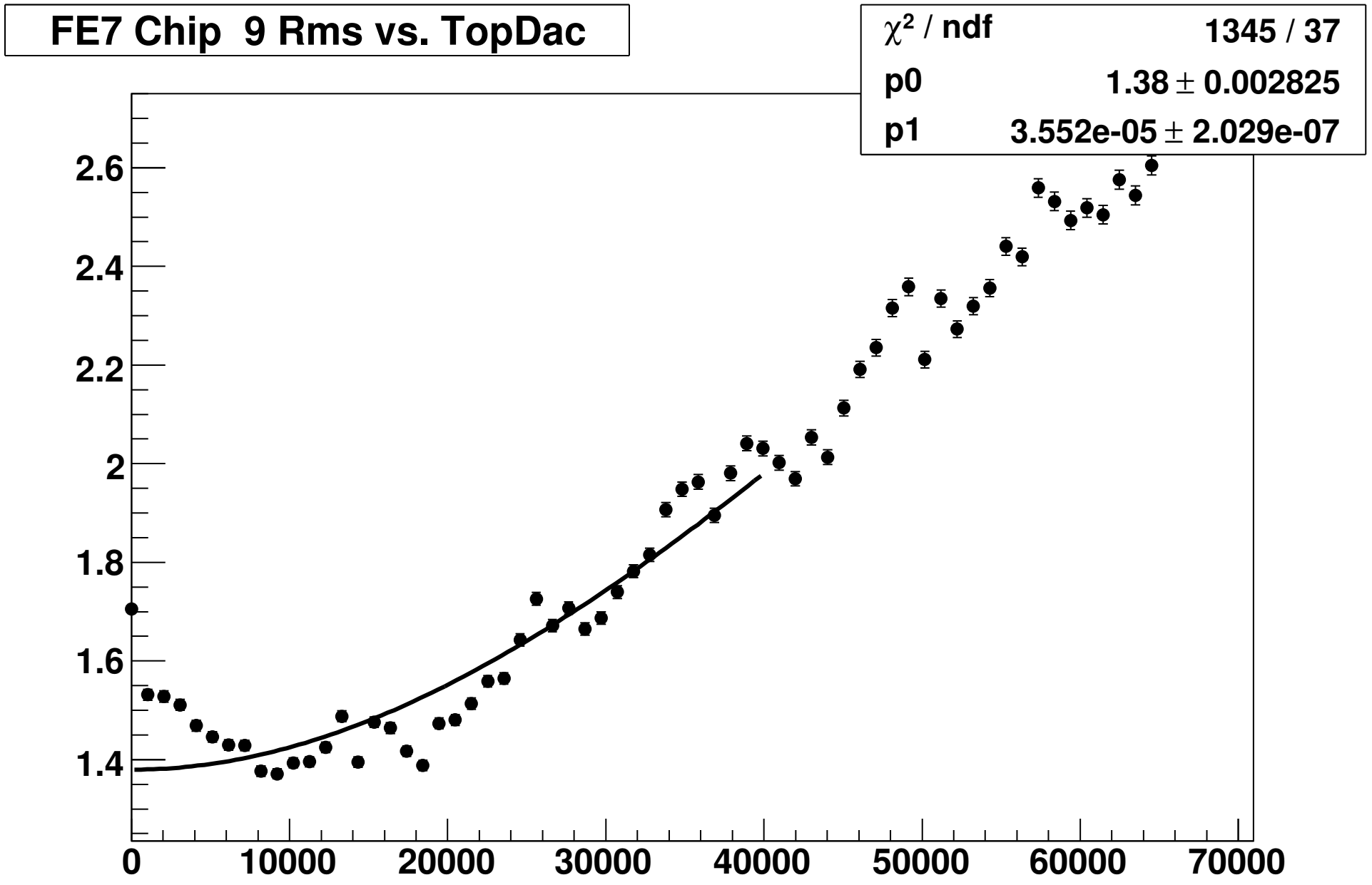

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 5.703e+04 / 37
p0 -81.53 ± 0.005059
p1 0.4517 ± 2.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

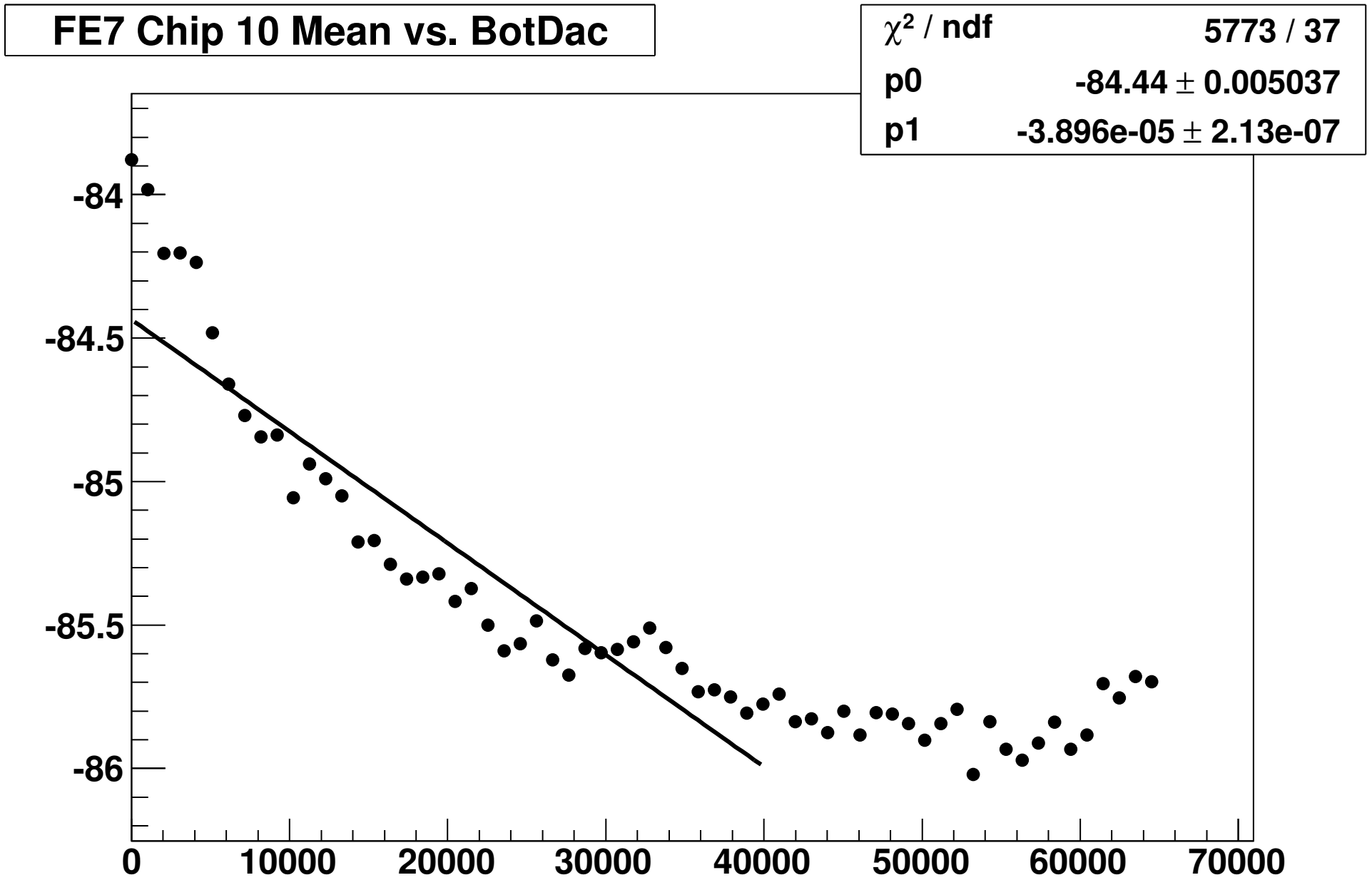

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 715.8 / 37
p0 1.357 ± 0.002776
p1 3.553e-05 ± 1.974e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

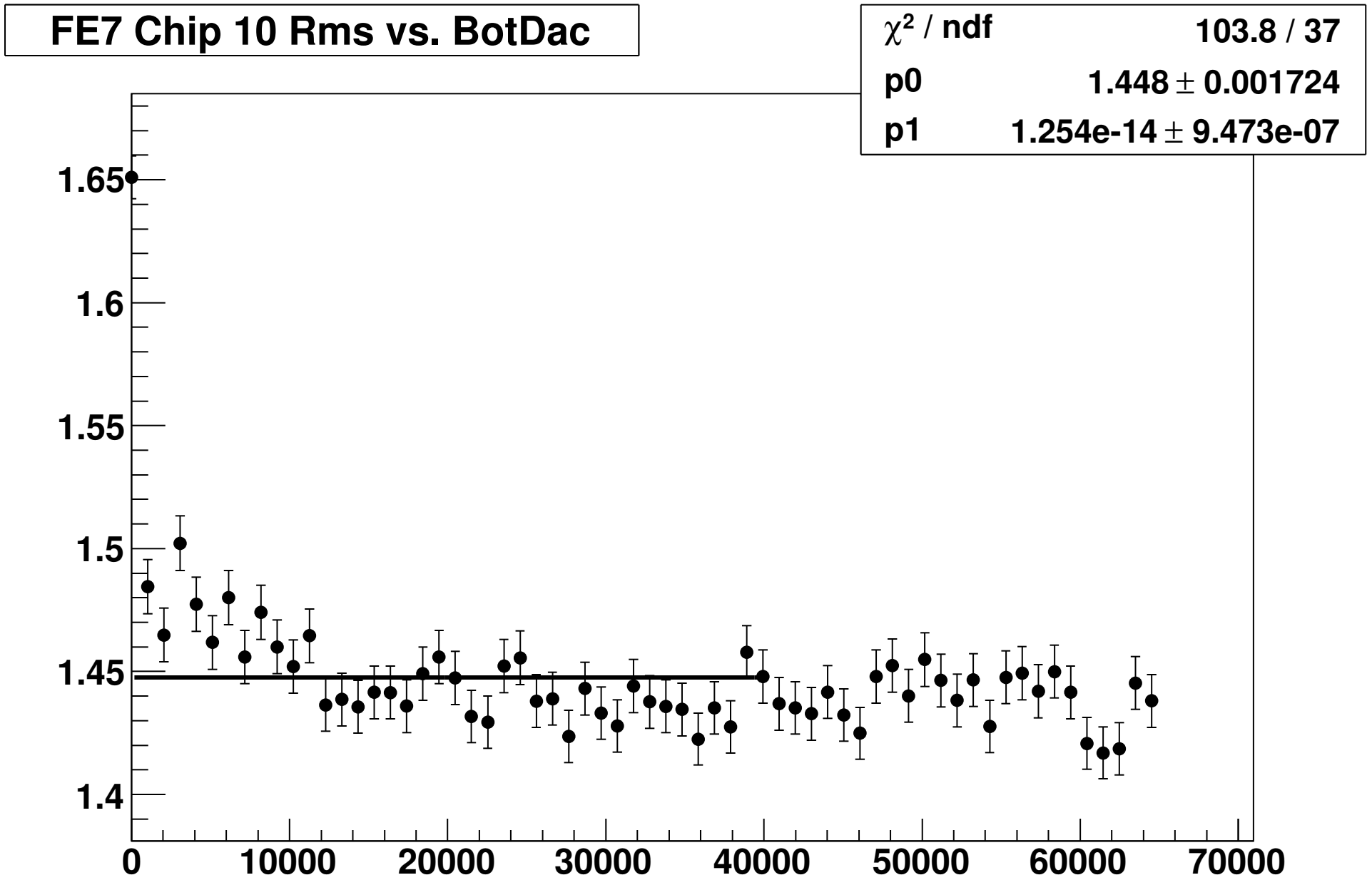

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 6180 / 37
p0 -79.18 ± 0.005264
p1 -4.214e-05 ± 2.233e-07
-78.5
-79
-79.5
-80
-80.5
-81
0
10000
20000
30000
40000
50000
60000
70000

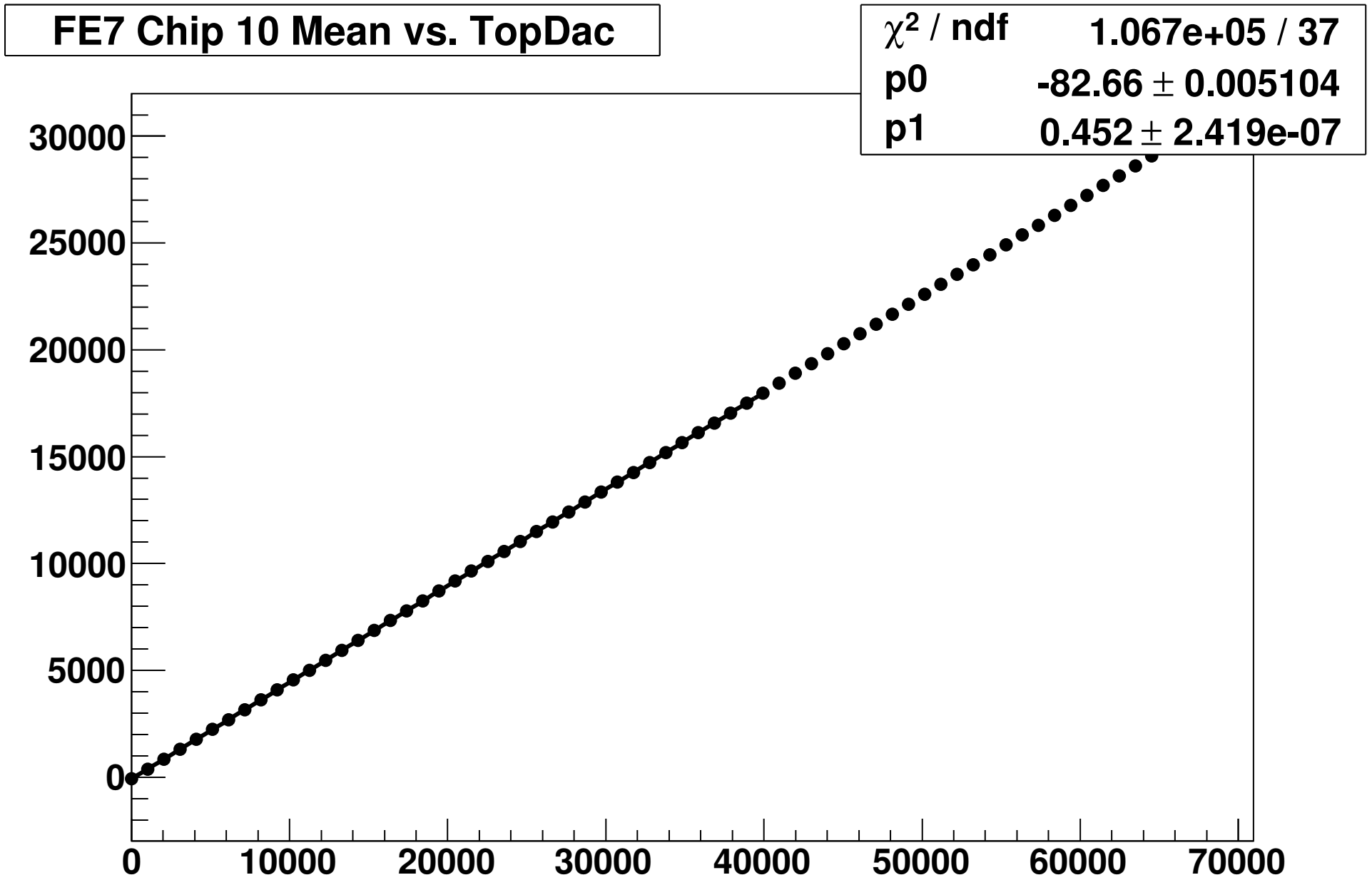

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 43.84 / 37
p0 1.525 ± 0.001821
p1 2.527e-15 ± 1.356e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

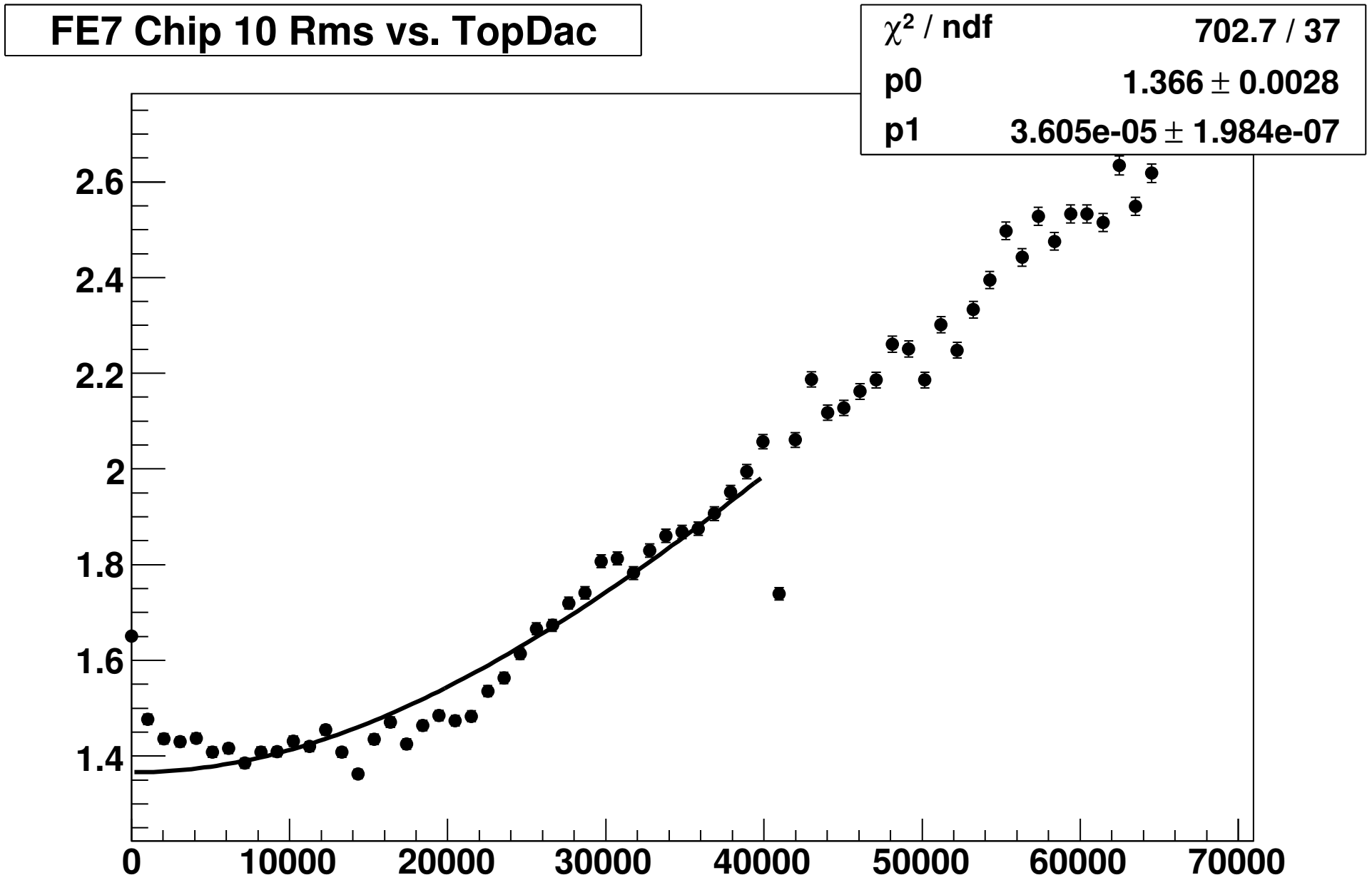

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.007e+05 / 37
p0 -77.64 ± 0.005198
p1 0.4517 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

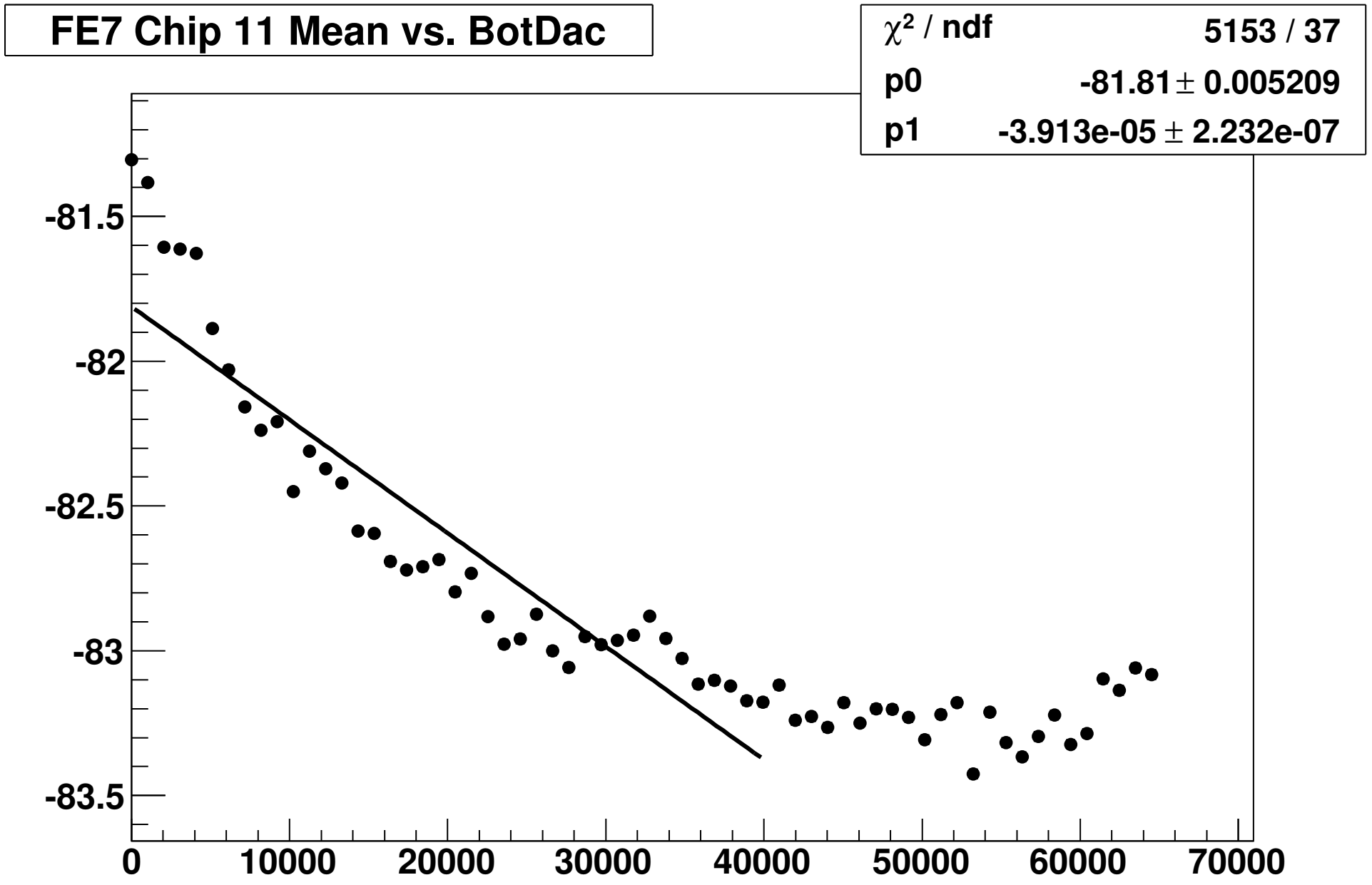

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1345 / 37
p0 1.38 ± 0.002825
p1 3.552e-05 ± 2.029e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

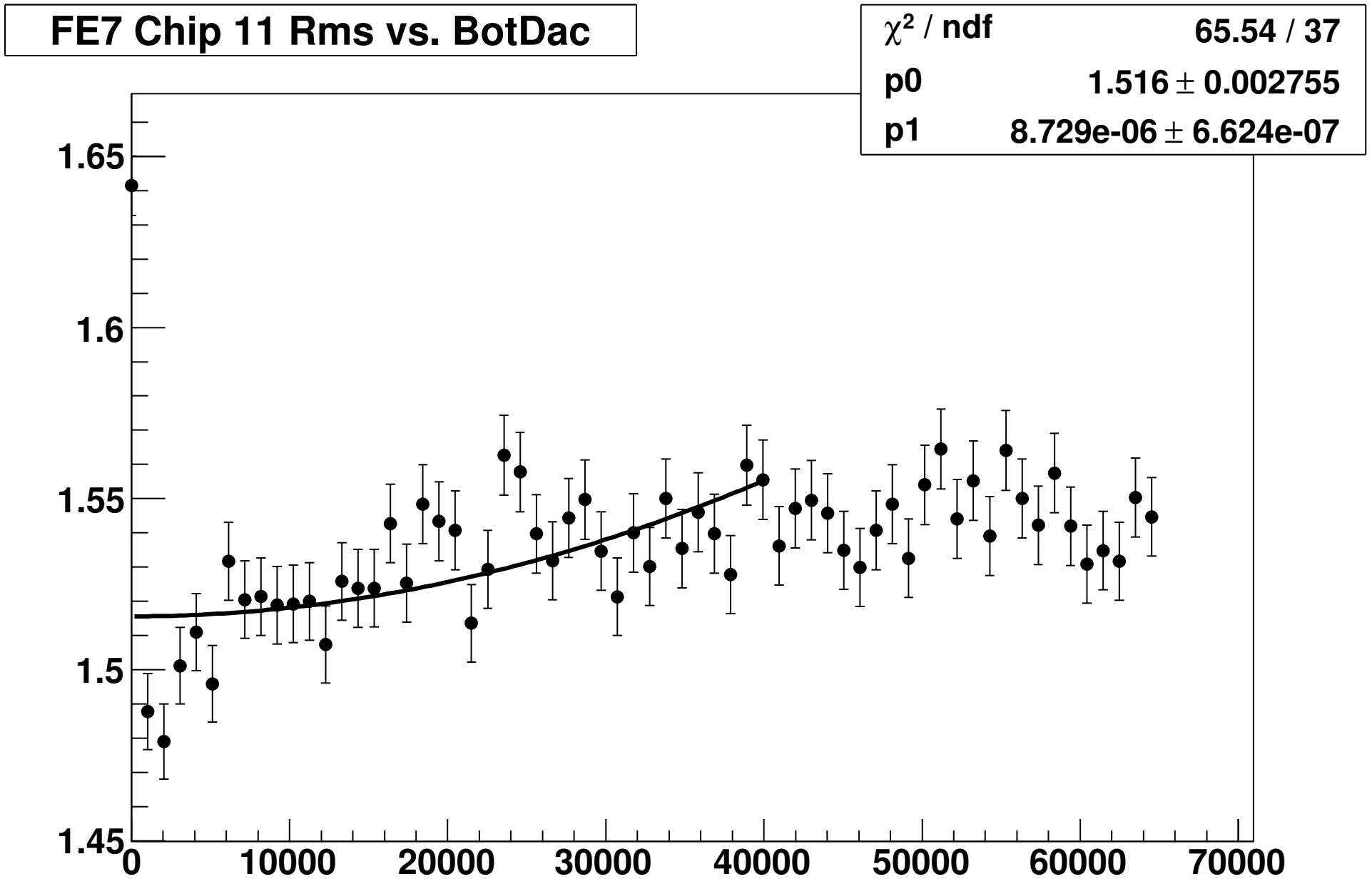

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 5773 / 37
p0 -84.44 ± 0.005037
p1 -3.896e-05 ± 2.13e-07
-84
-84.5
-85
-85.5
-86
0
10000
20000
30000
40000
50000
60000
70000

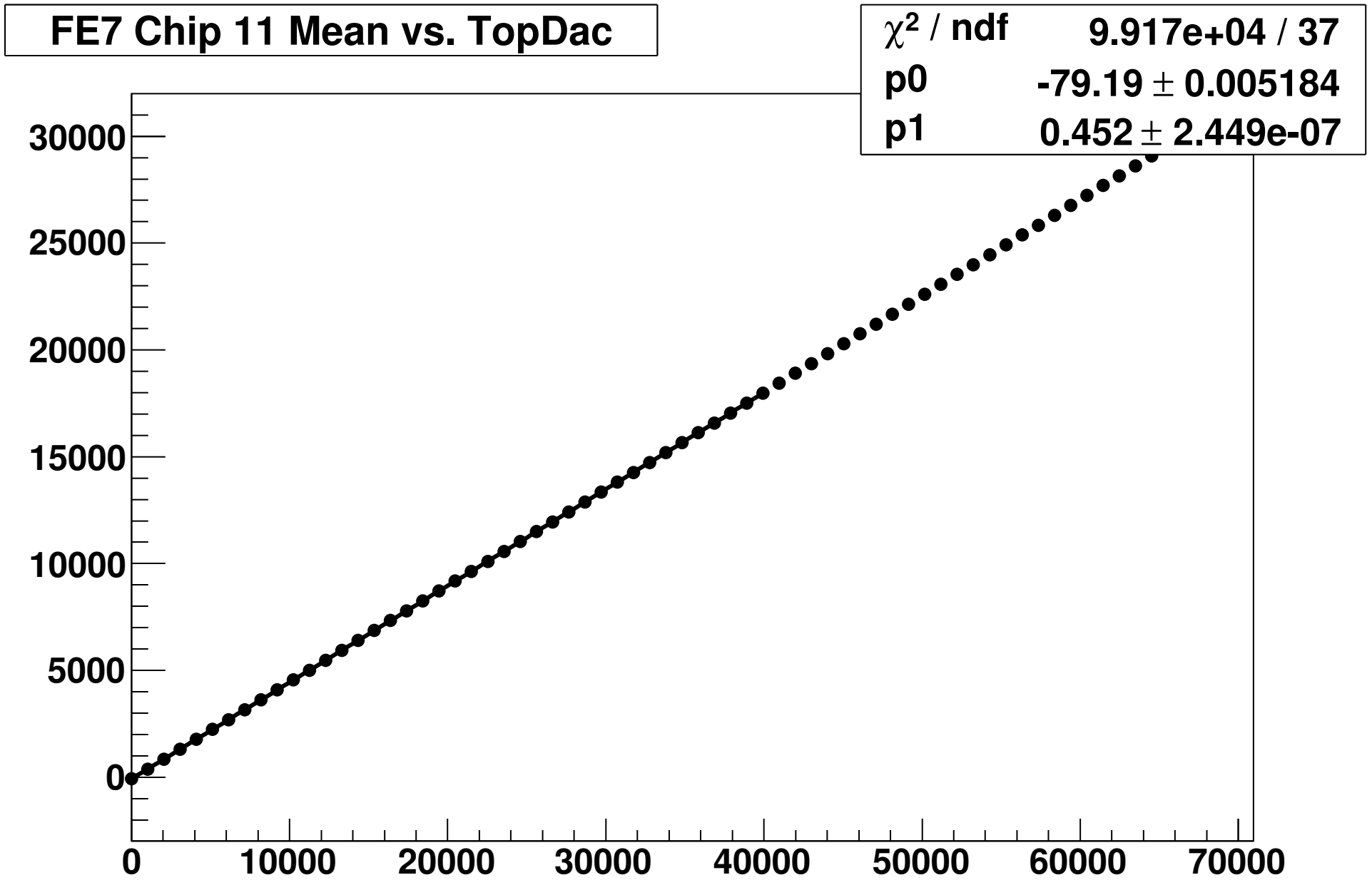

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 103.8 / 37
p0 1.448 ± 0.001724
p1 1.254e-14 ± 9.473e-07
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

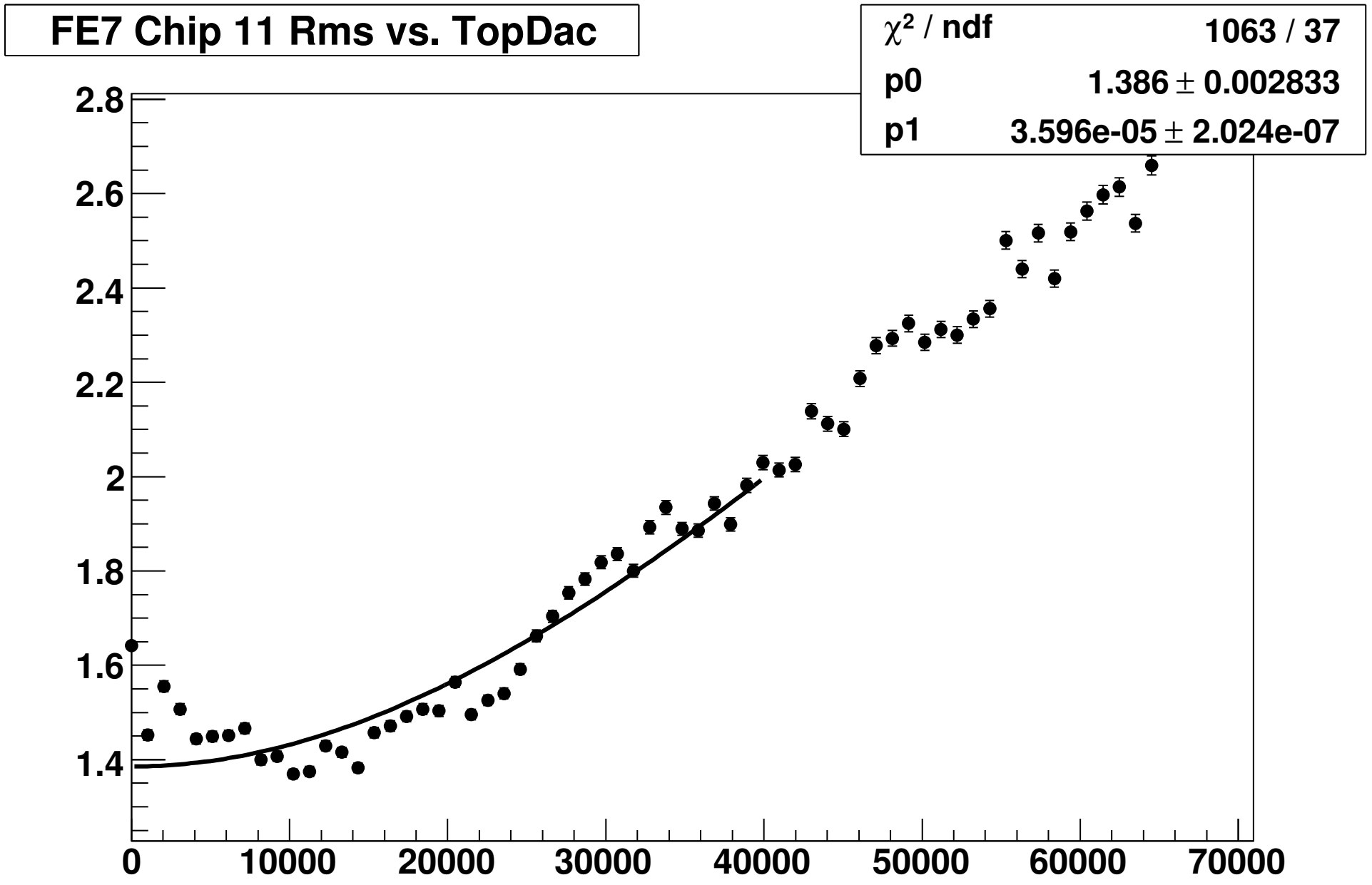

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.067e+05 / 37
p0 -82.66 ± 0.005104
p1 0.452 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

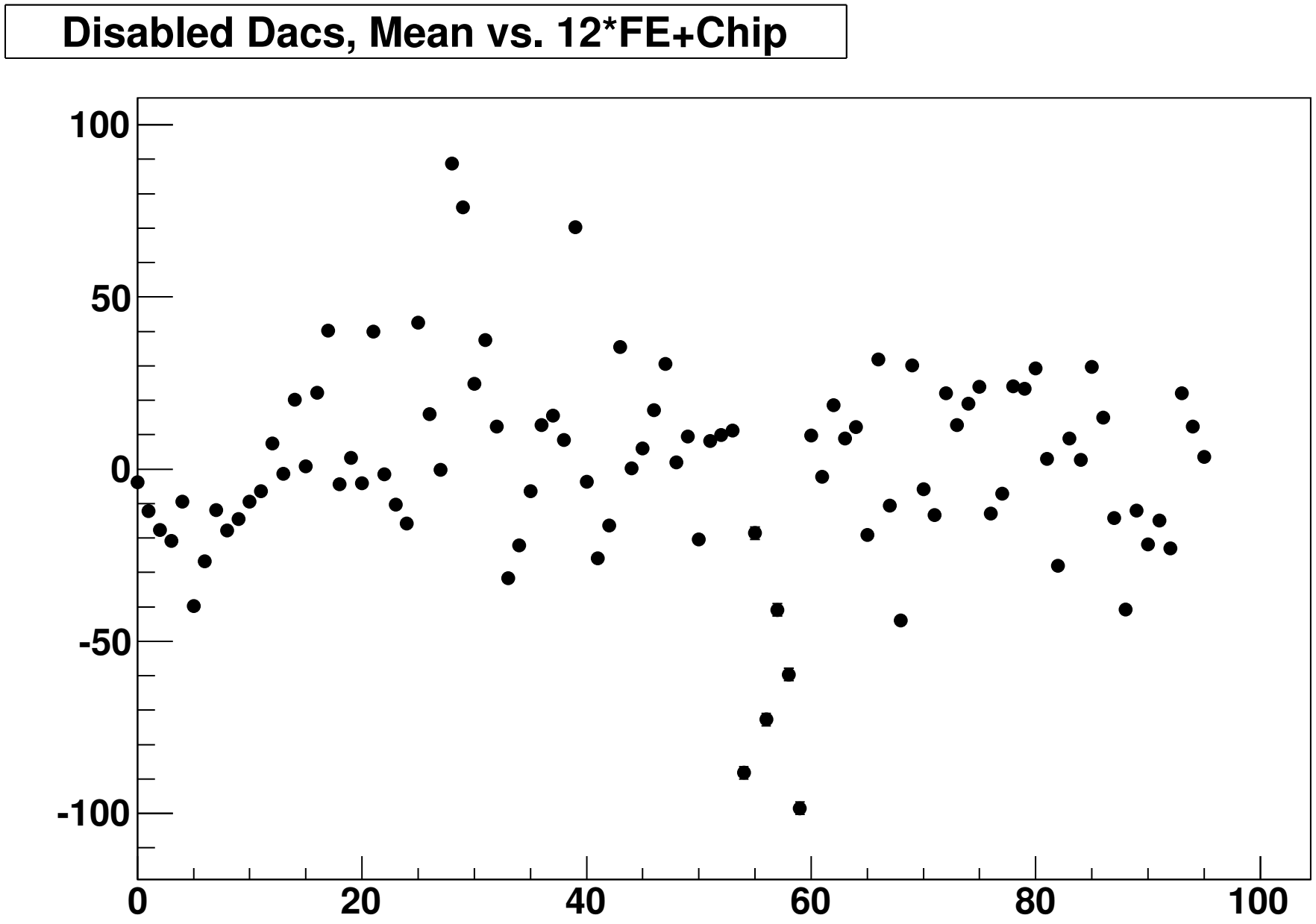

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 702.7 / 37
p0 1.366 ± 0.0028
p1 3.605e-05 ± 1.984e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

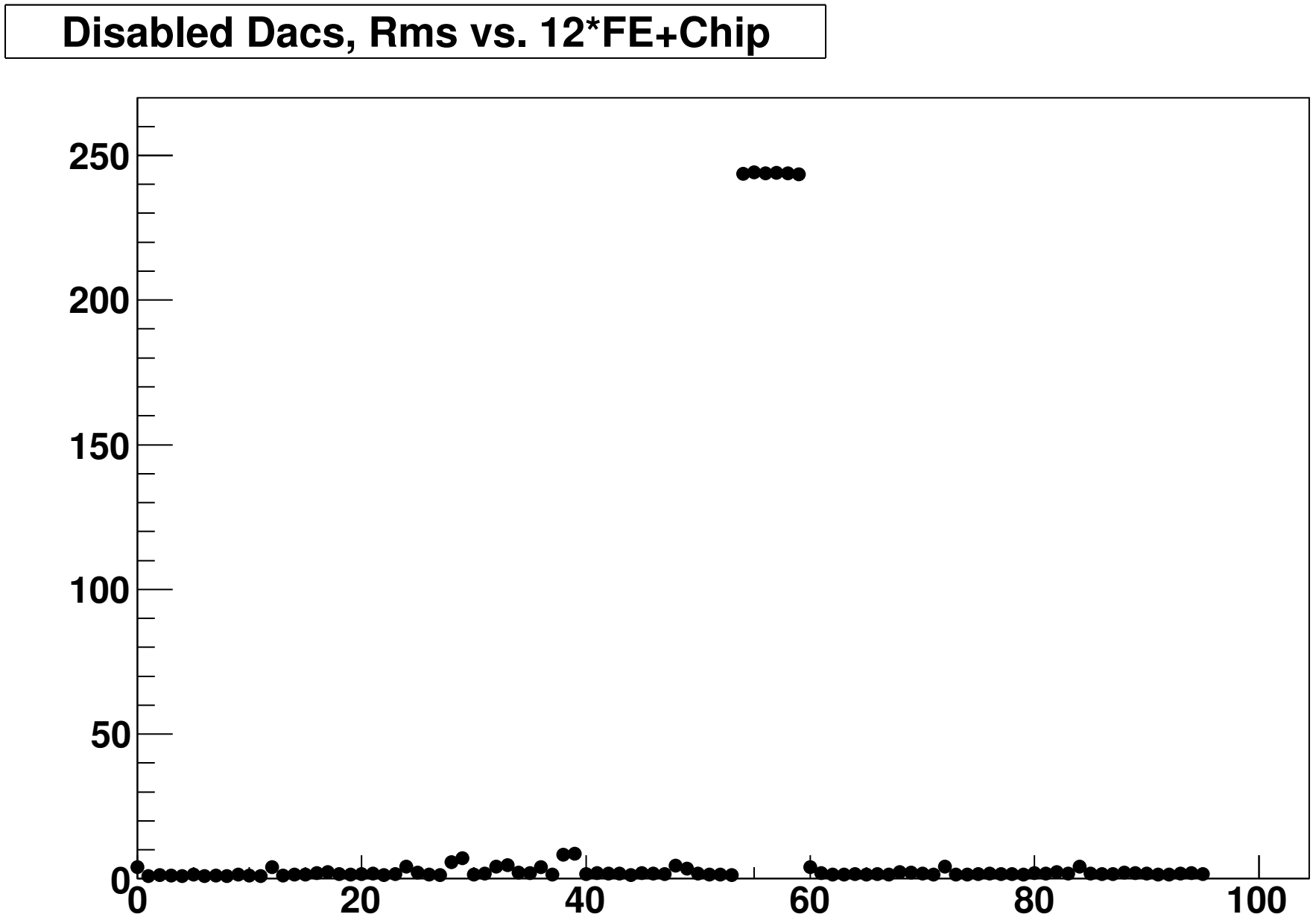

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 5153 / 37
p0 -81.81 ± 0.005209
p1 -3.913e-05 ± 2.232e-07
-81.5
-82
-82.5
-83
-83.5
0
10000
20000
30000
40000
50000
60000
70000

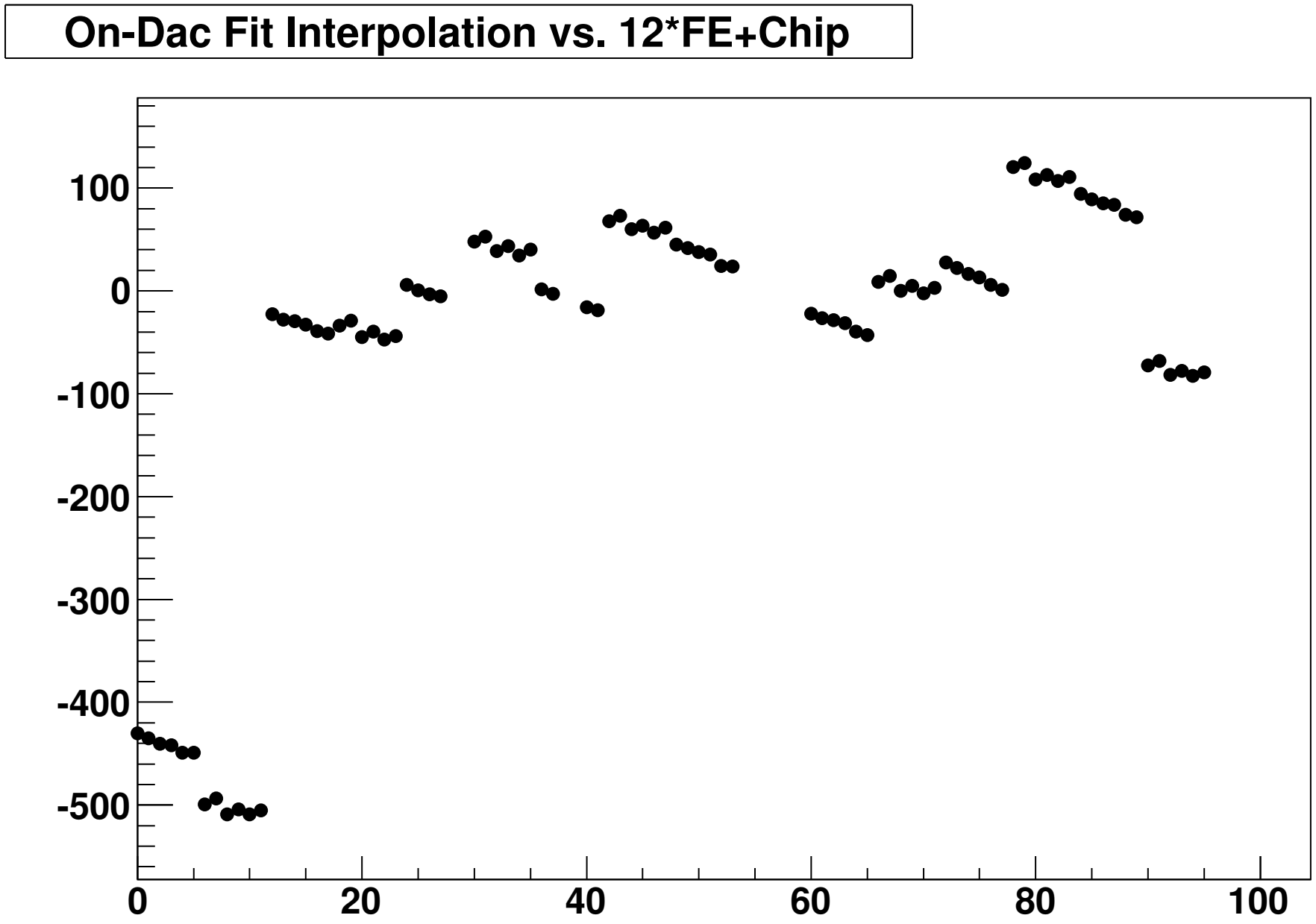

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 65.54 / 37
p0 1.516 ± 0.002755
p1 8.729e-06 ± 6.624e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

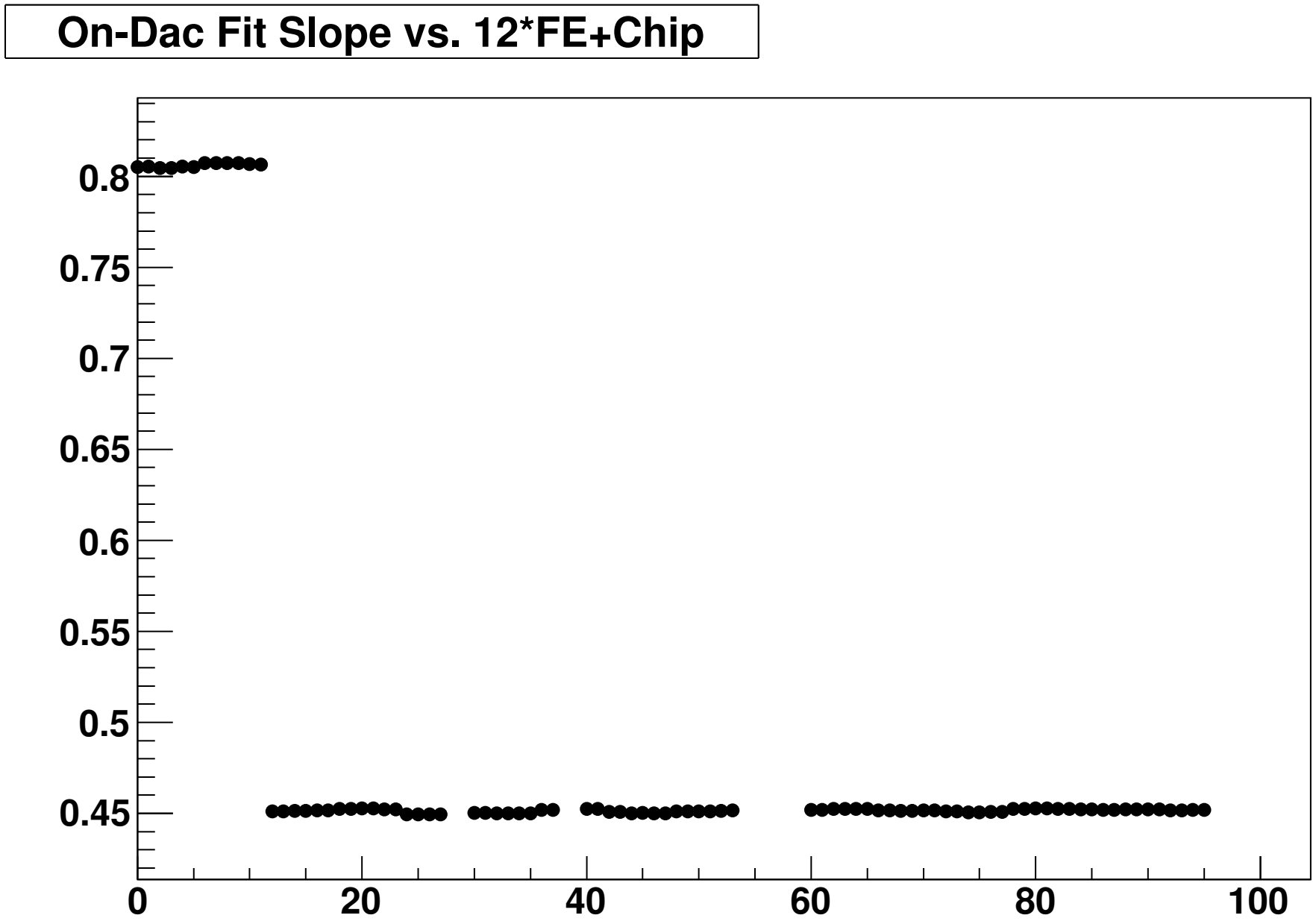

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 9.917e+04 / 37
p0 -79.19 ± 0.005184
p1 0.452 ± 2.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

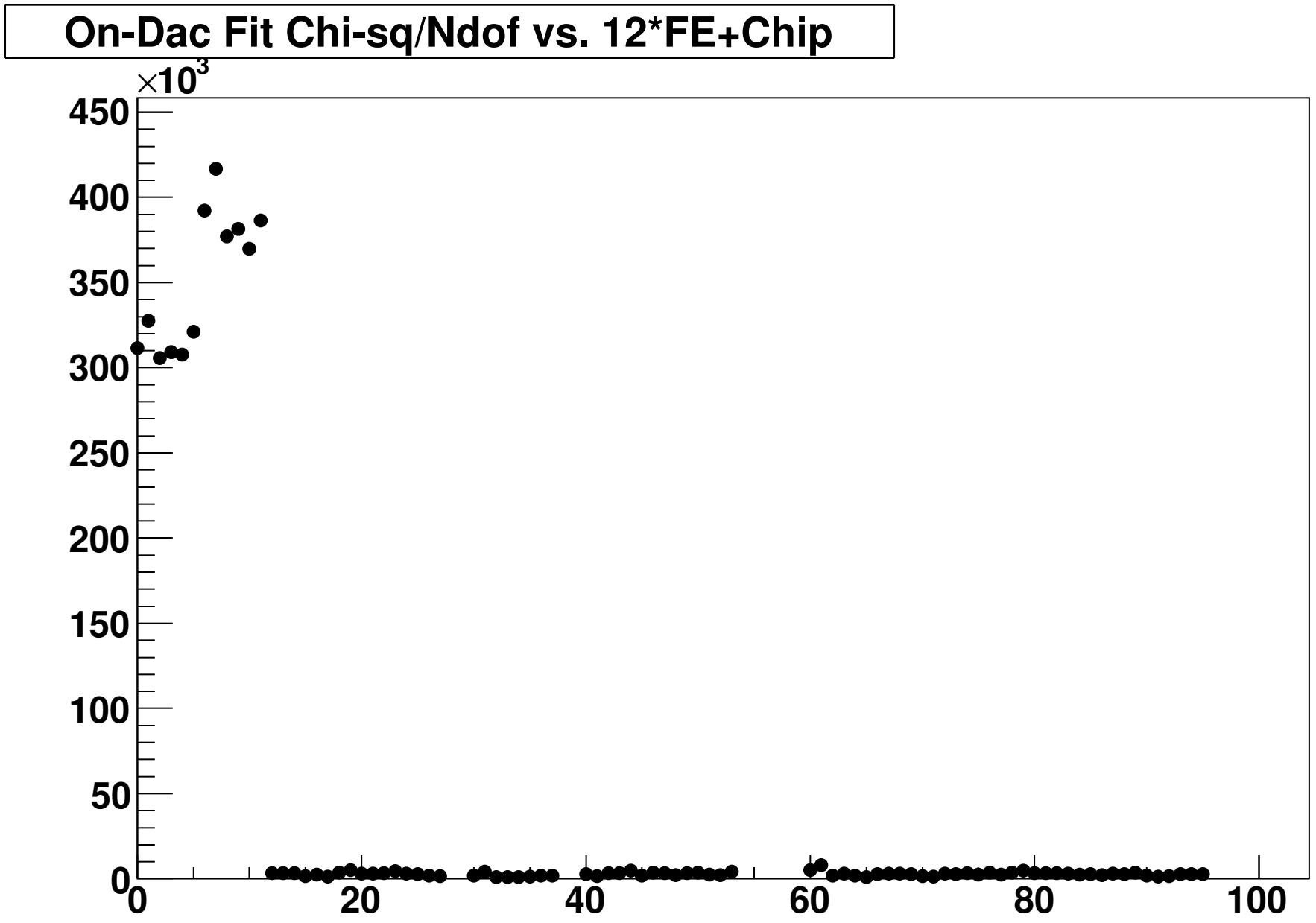

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1063 / 37
p0 1.386 ± 0.002833
p1 3.596e-05 ± 2.024e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

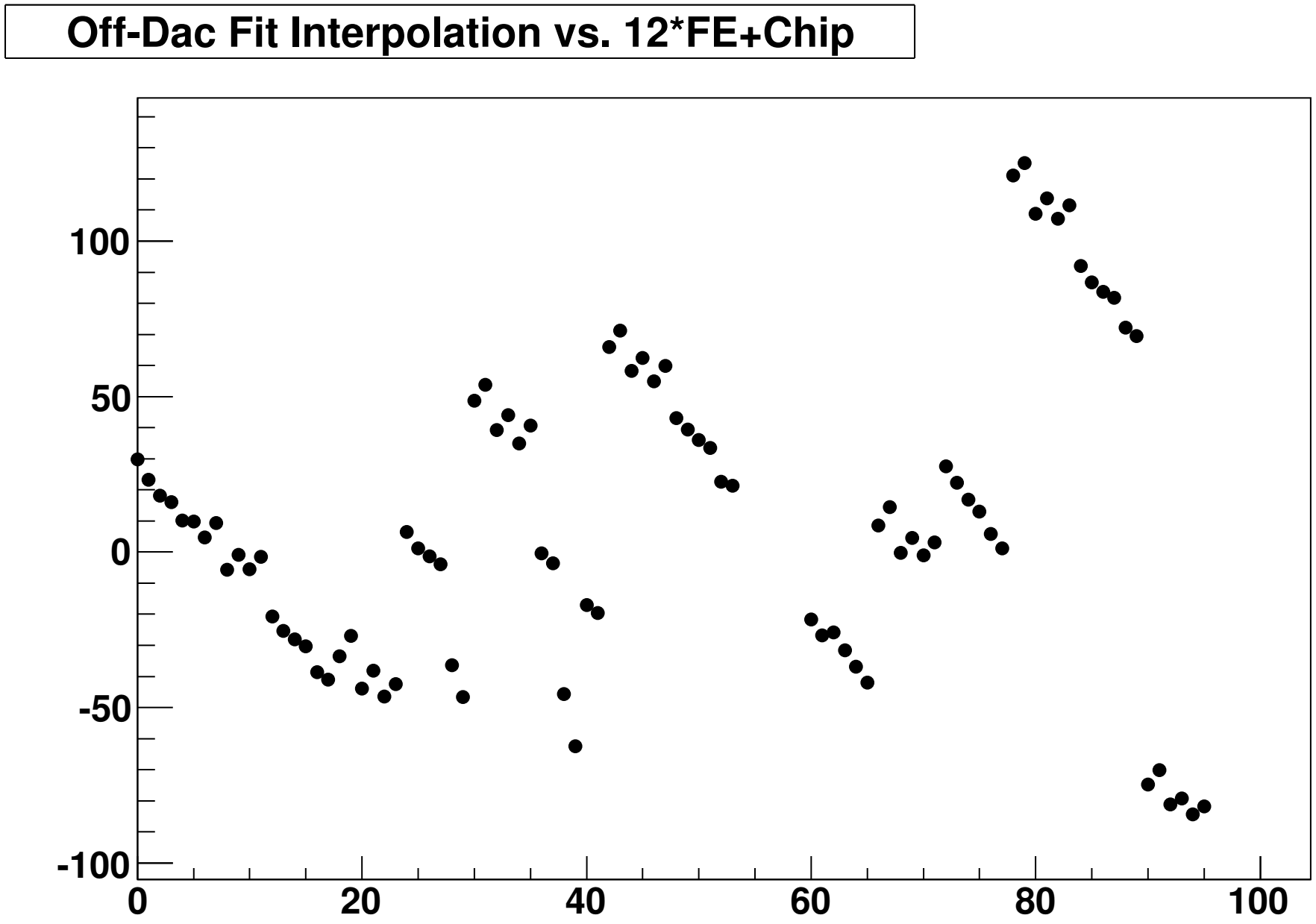

Disabled Dacs, Mean vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

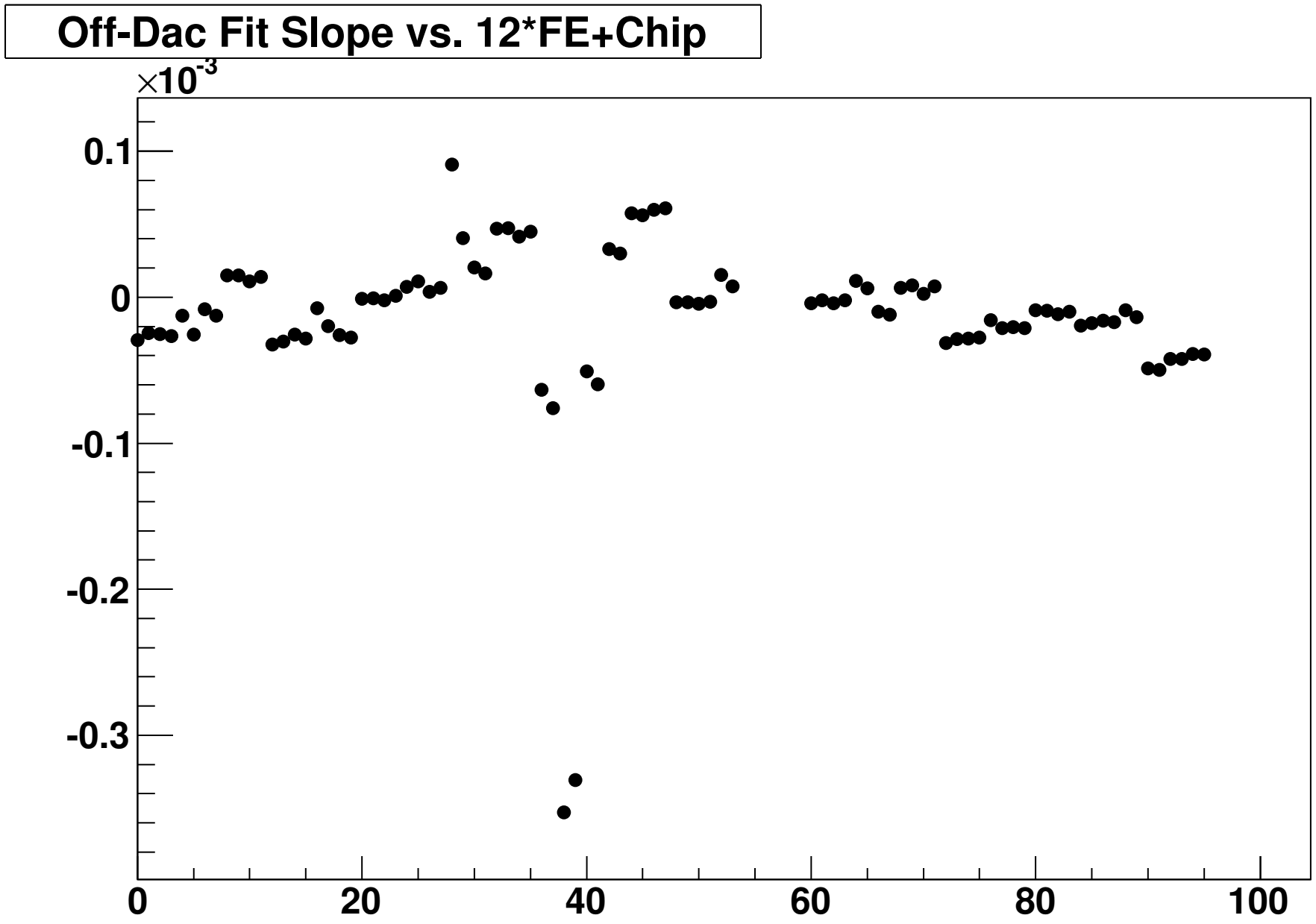

Disabled Dacs, Rms vs. 12*FE+Chip
250
200
150
100
50
0
0
20
40
60
80
100

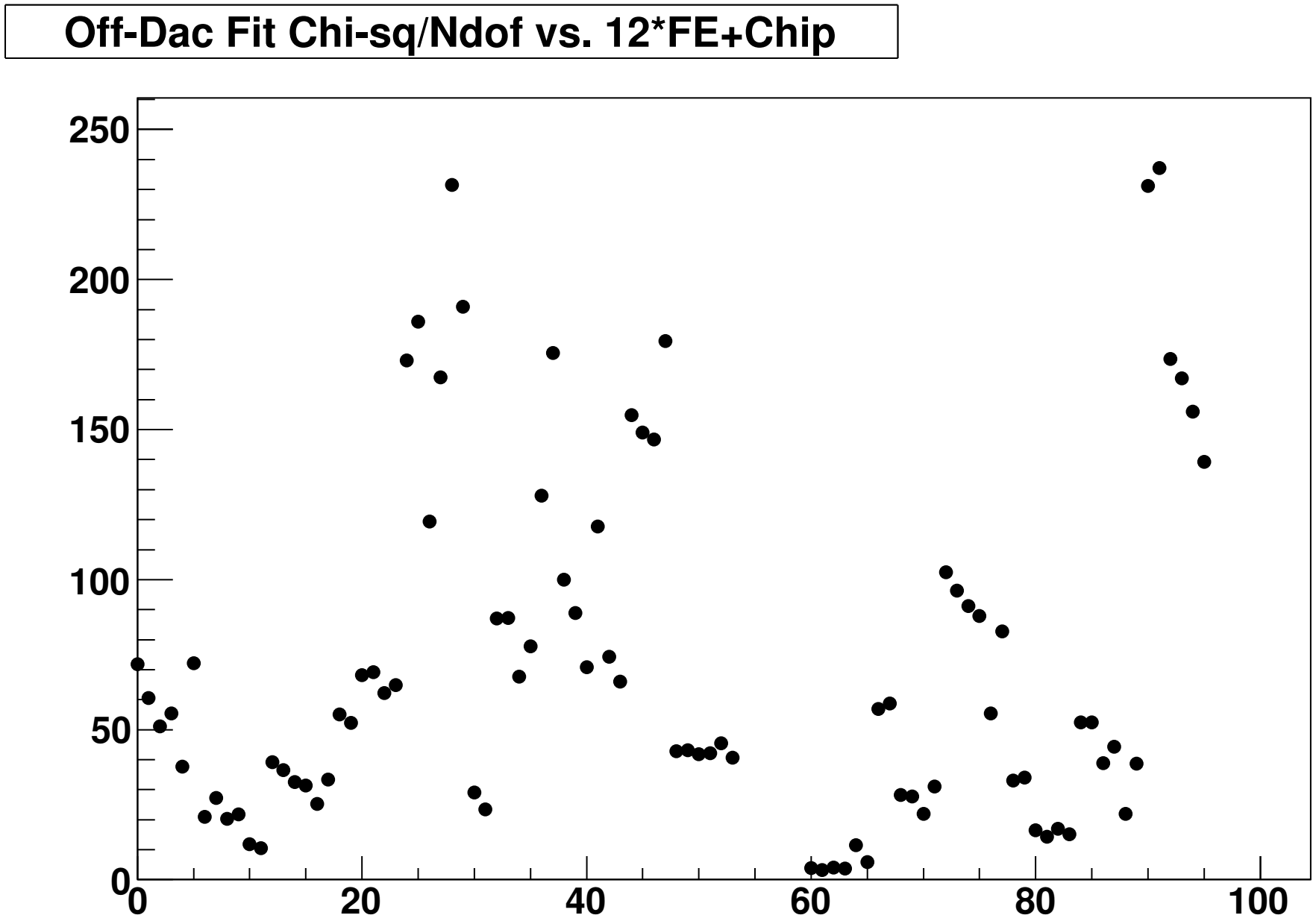

On-Dac Fit Interpolation vs. 12*FE+Chip
100
0
-100
-200
-300
-400
-500
0
20
40
60
80
100

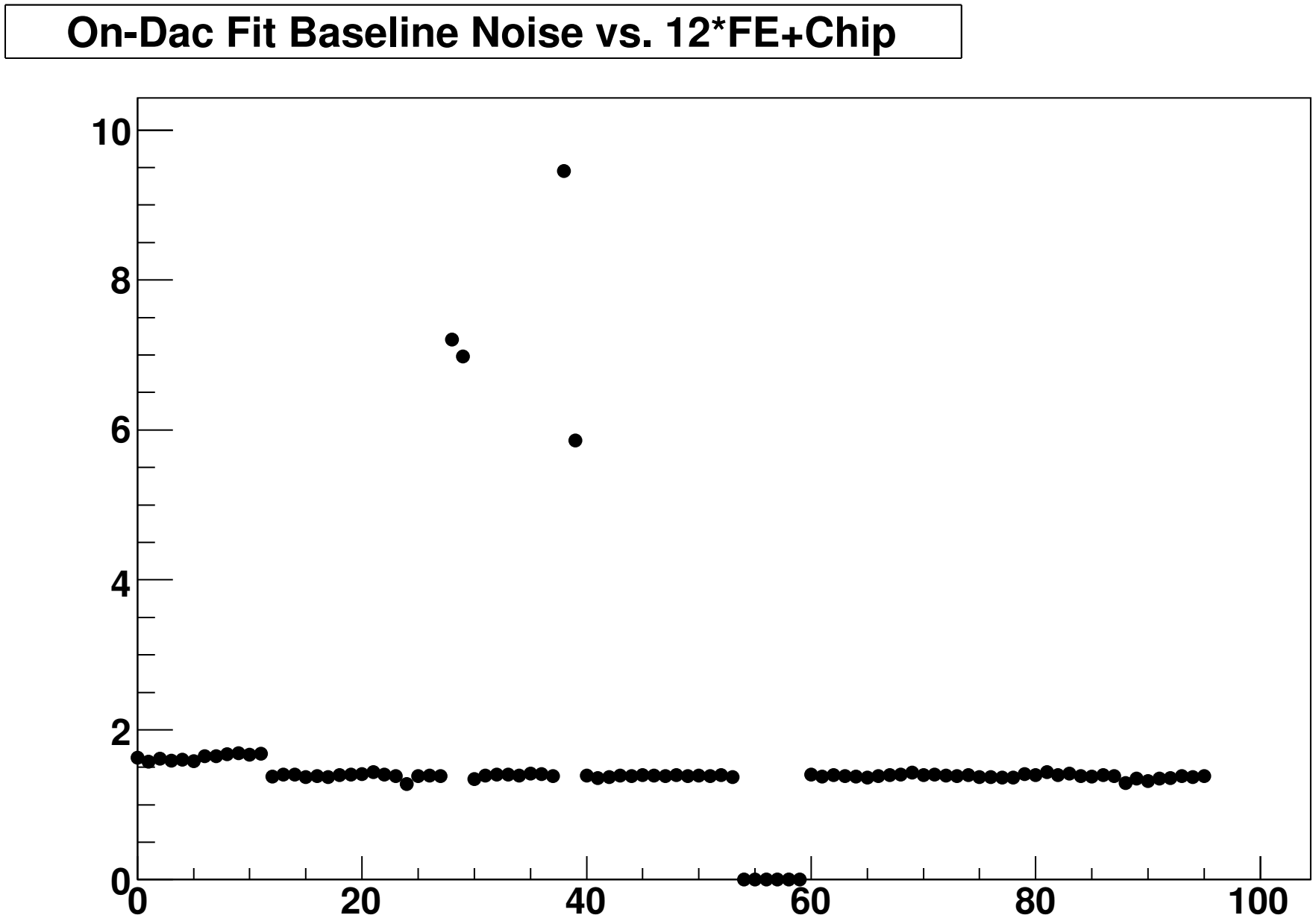

On-Dac Fit Slope vs. 12*FE+Chip
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0
20
40
60
80
100

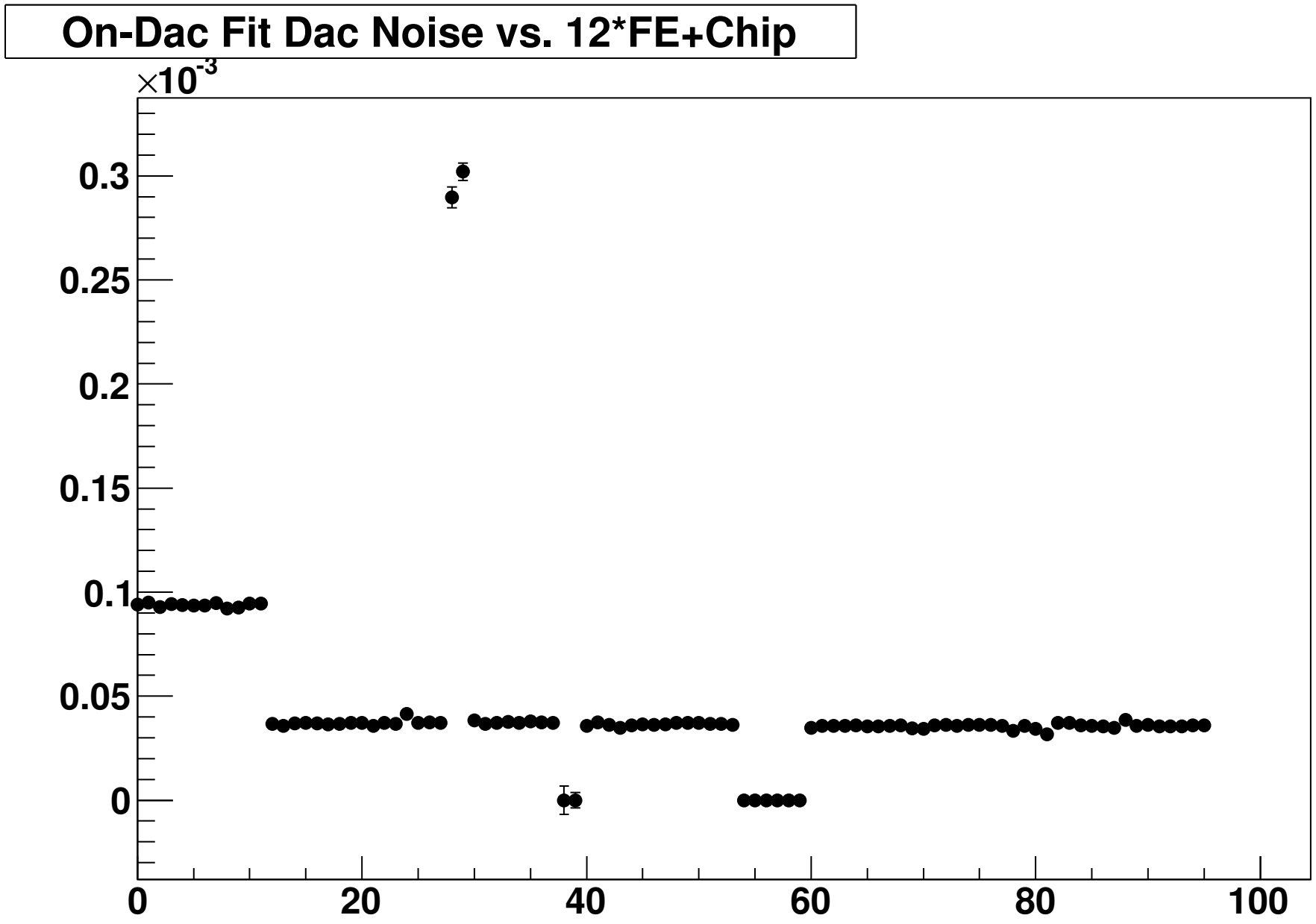

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
450
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100

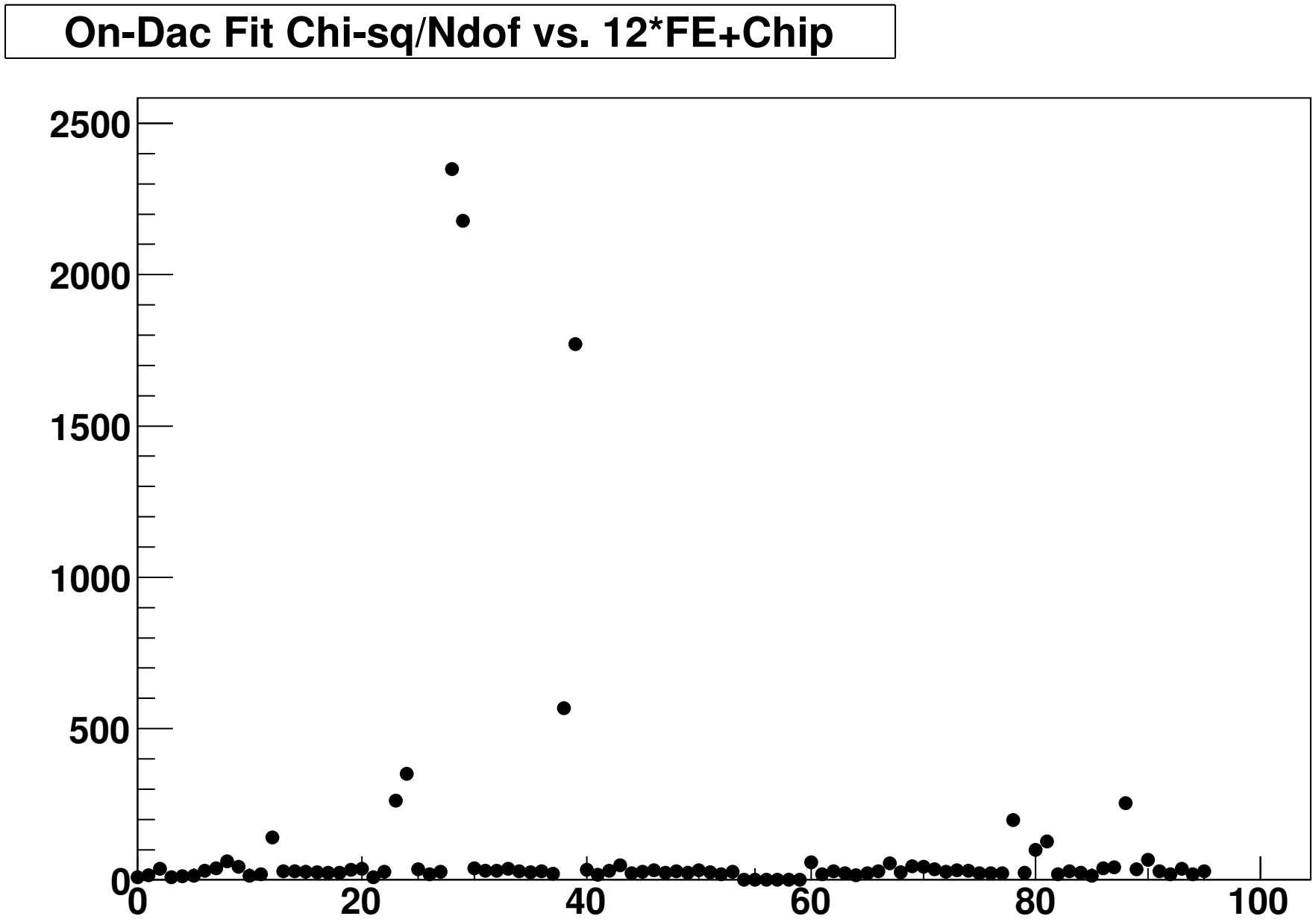

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

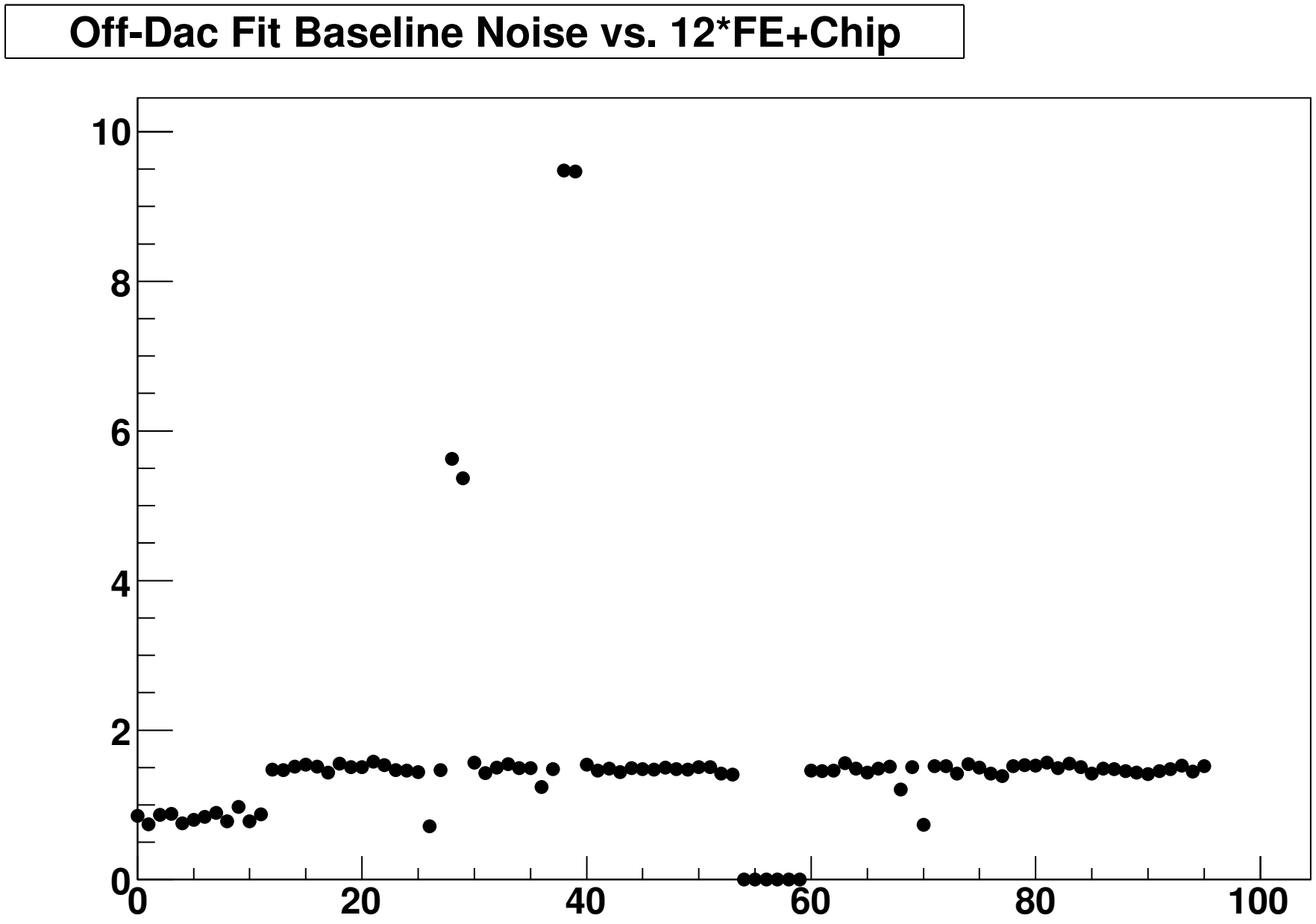

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-3
0.1
0
-0.1
-0.2
-0.3
0
20
40
60
80
100

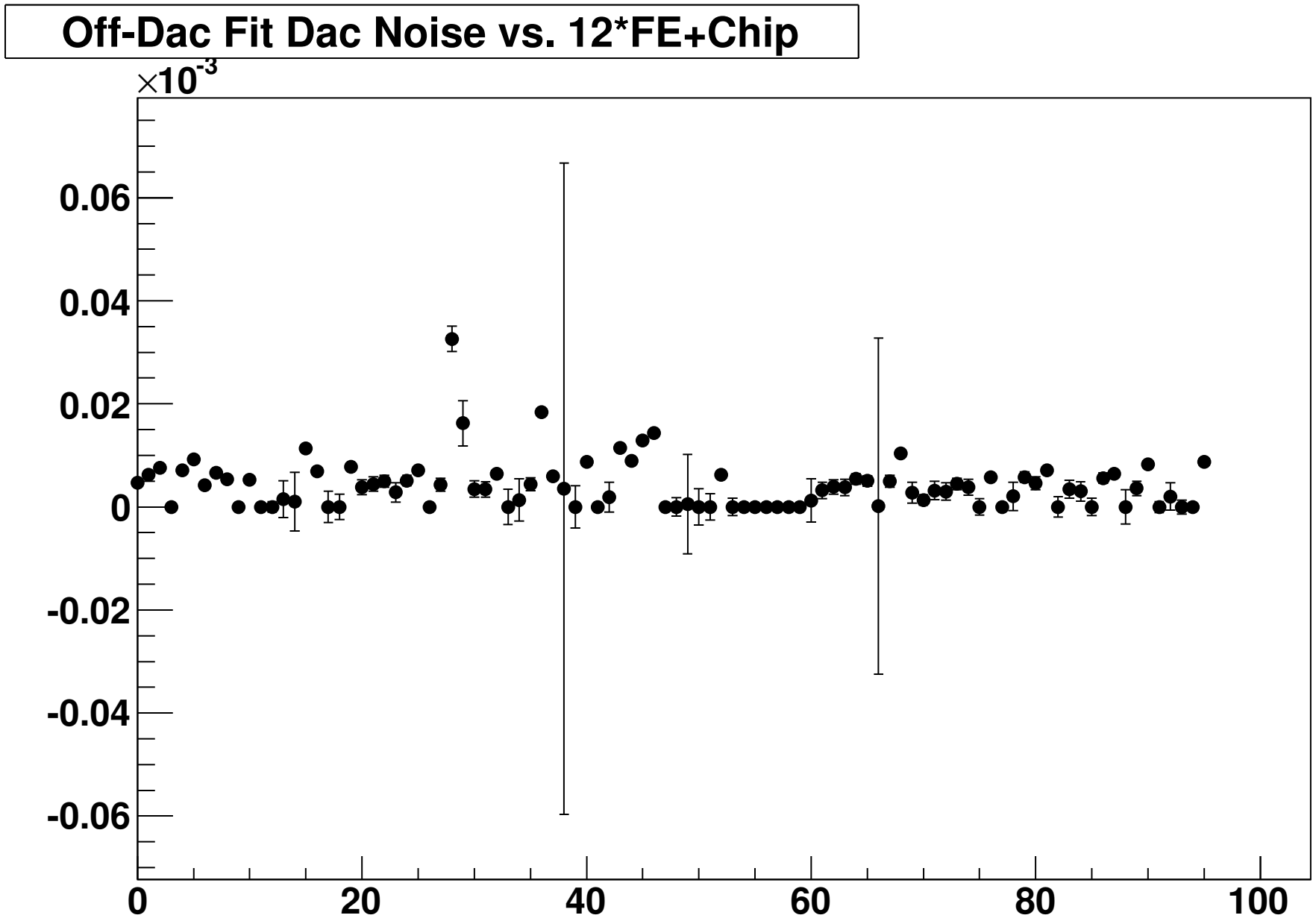

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
250
200
150
100
50
0
0
20
40
60
80
100

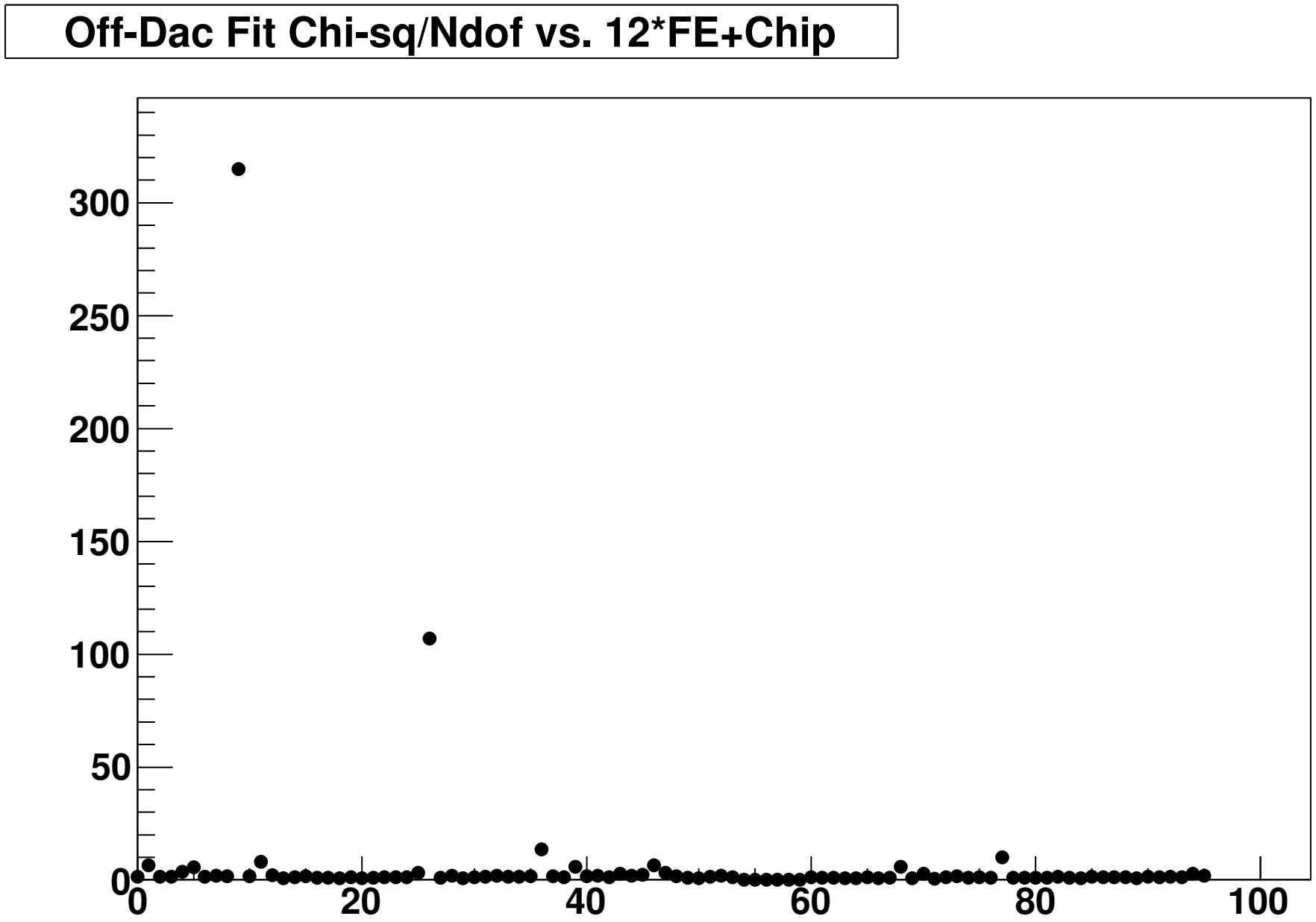

On-Dac Fit Baseline Noise vs. 12*FE+Chip
10
8
6
4
2
0
0
20
40
60
80
100

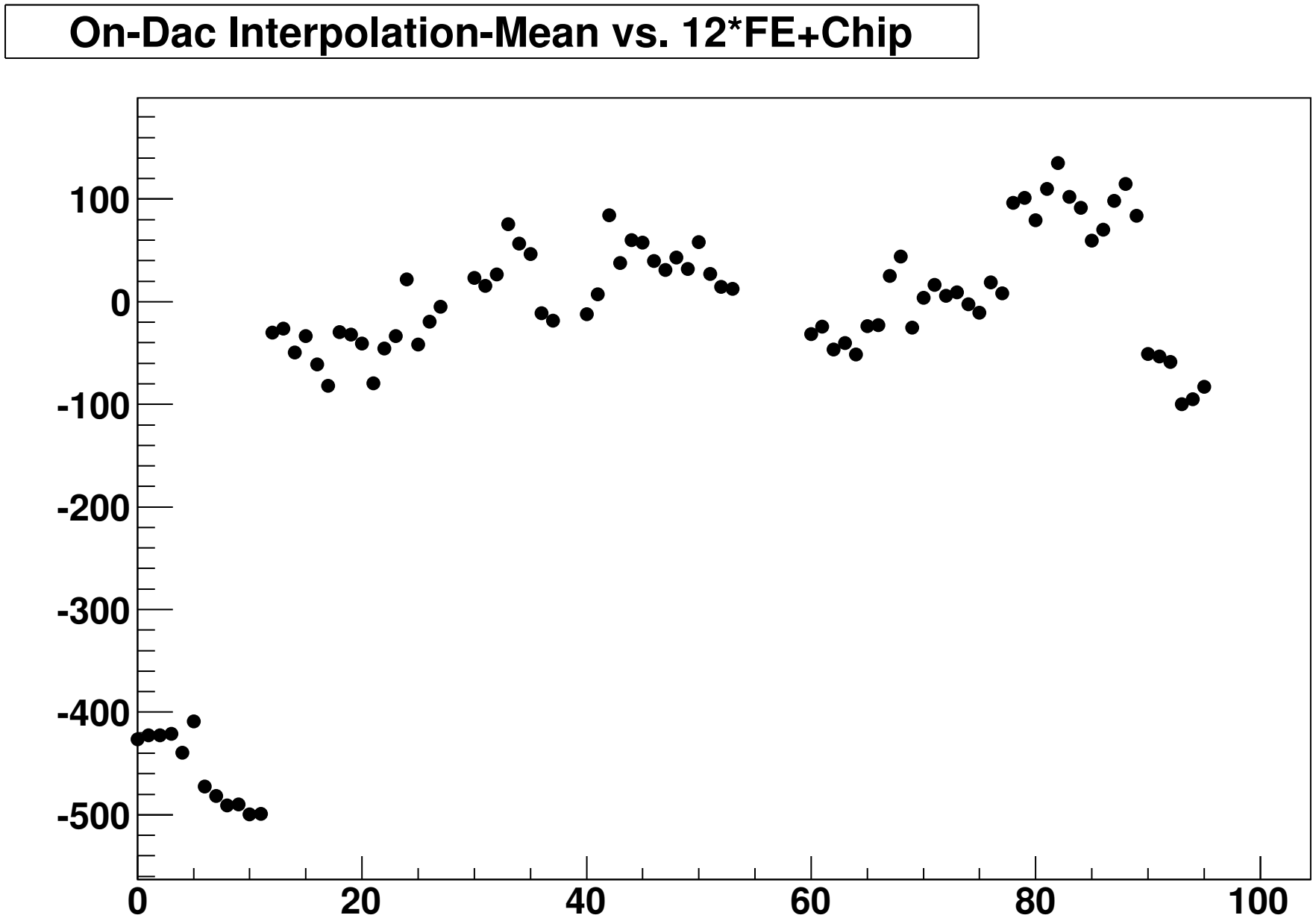

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-3
0.3
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100

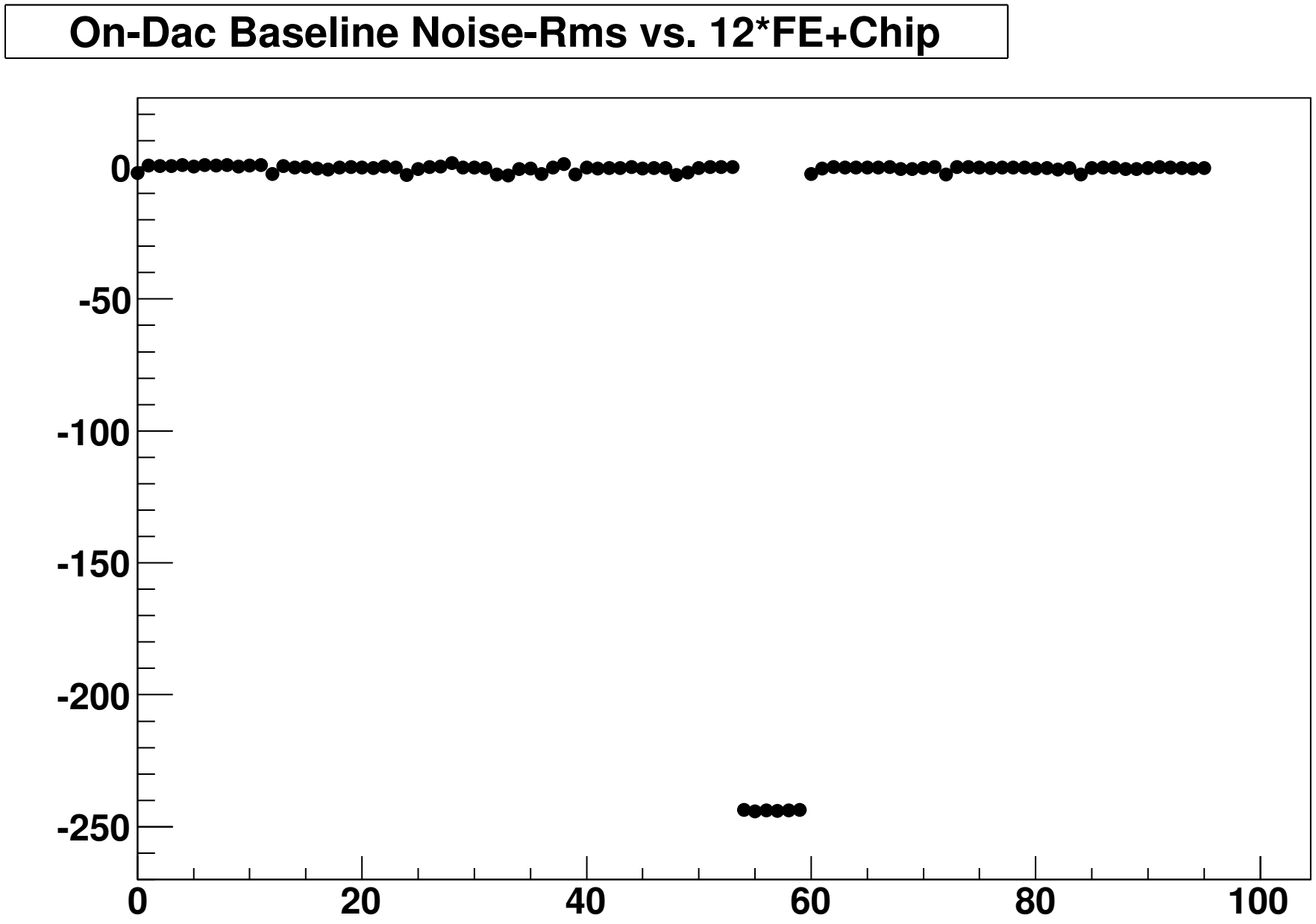

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
2500
2000
1500
1000
500
0
0
20
40
60
80
100

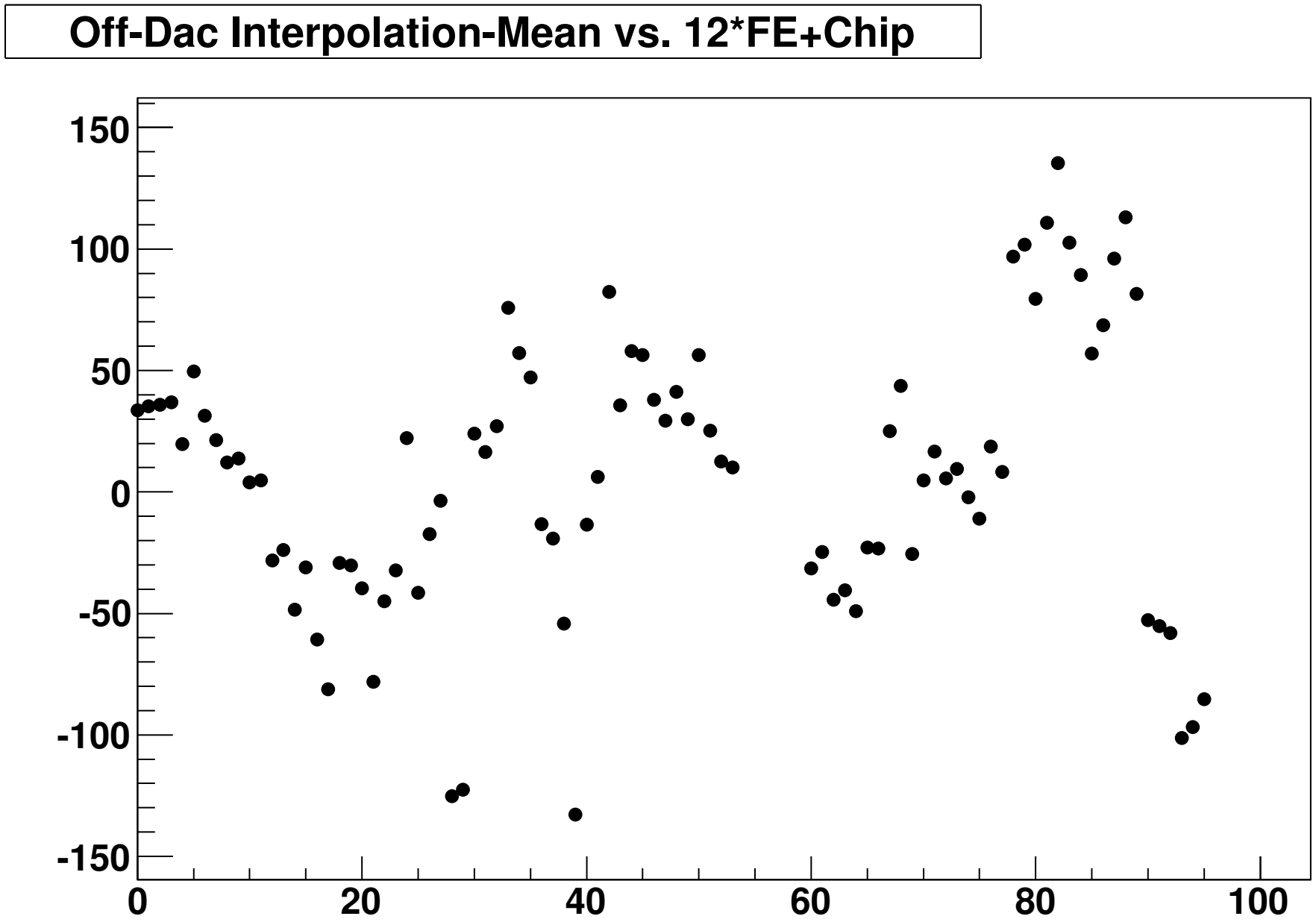

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
10
8
6
4
2
0
0
20
40
60
80
100

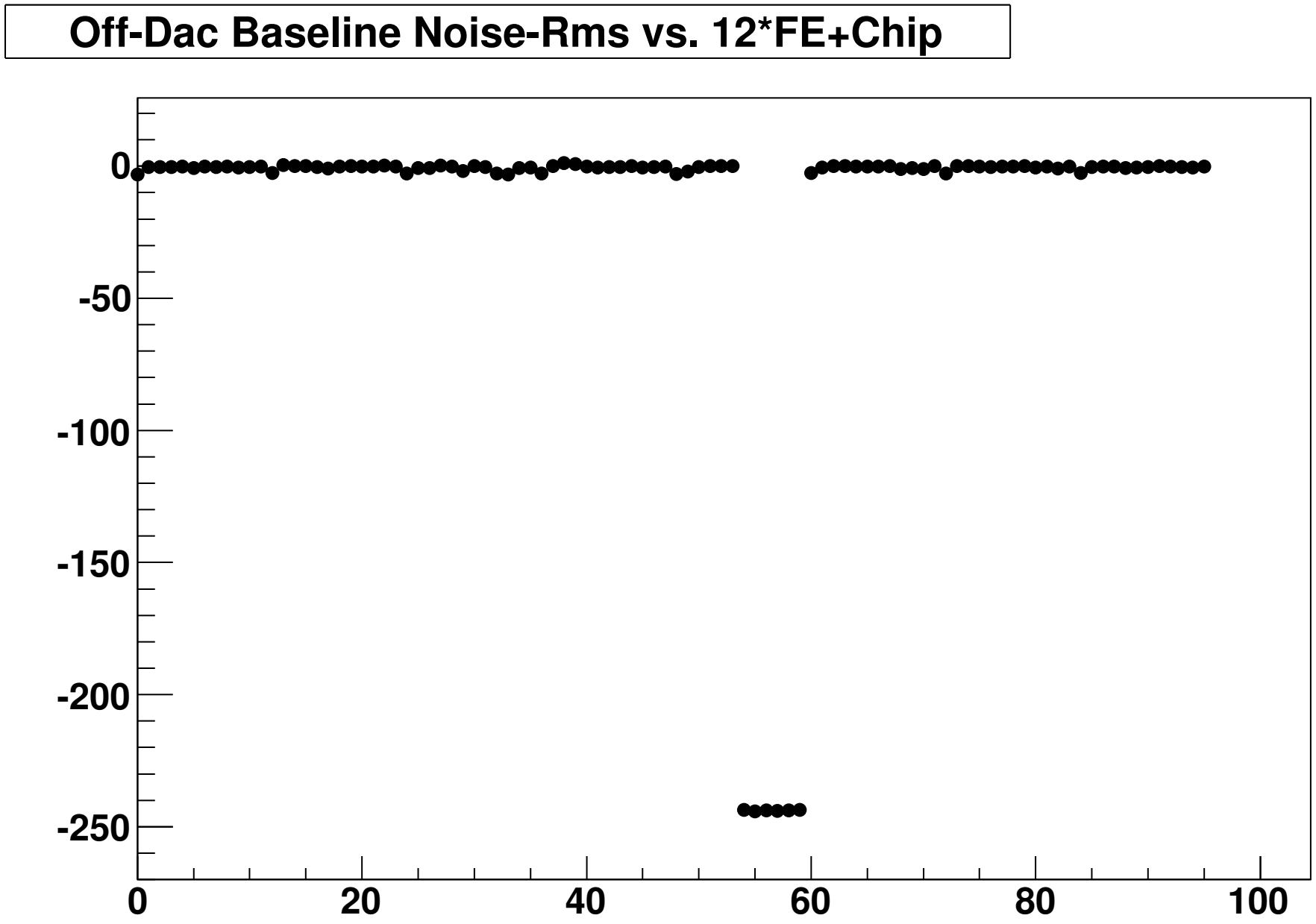

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
300
250
200
150
100
50
0
0
20
40
60
80
100


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-50
-100
-150
-200
-250
0
20
40
60
80
100


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


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-50
-100
-150
-200
-250
0
20
40
60
80
100