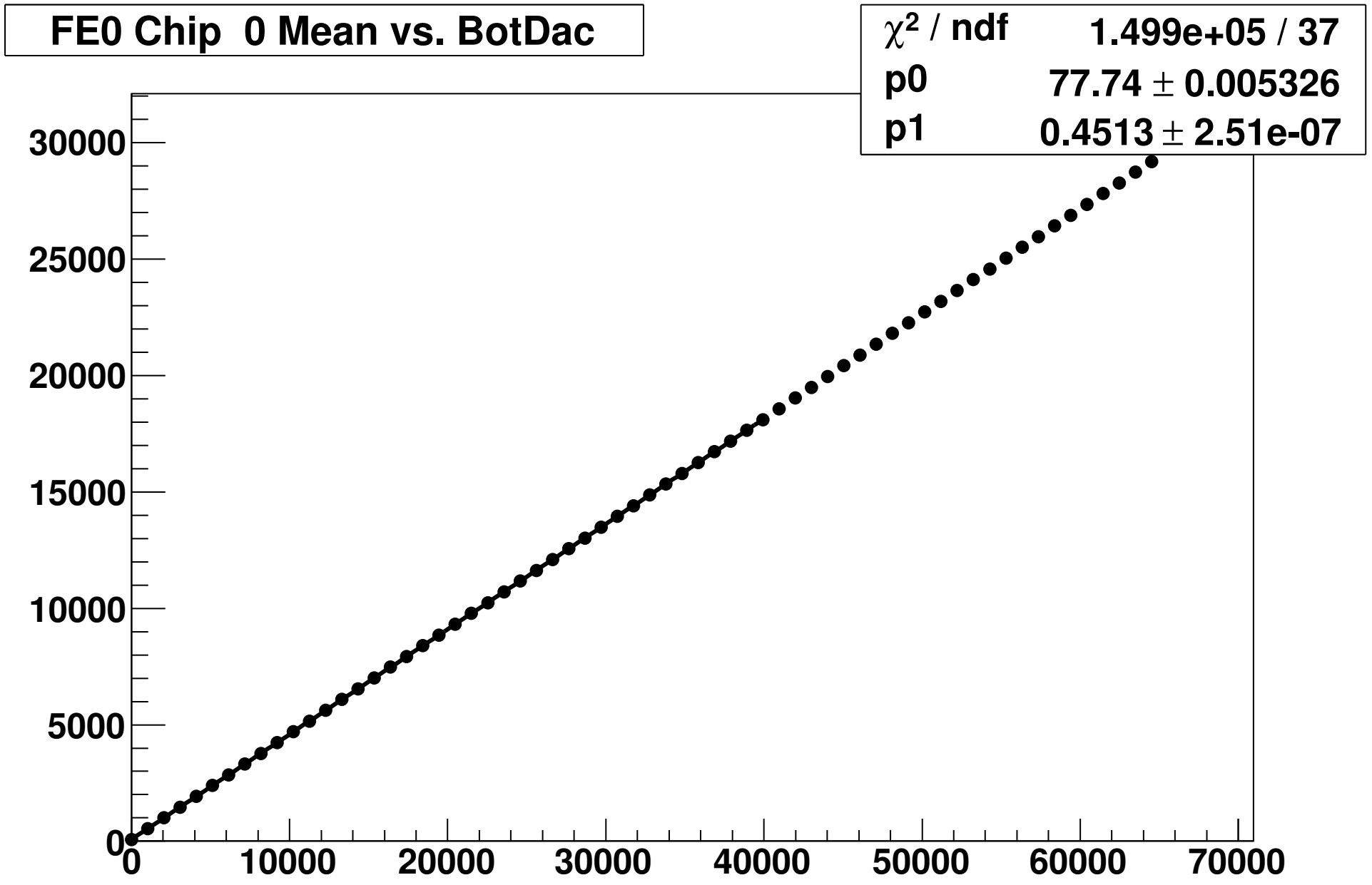
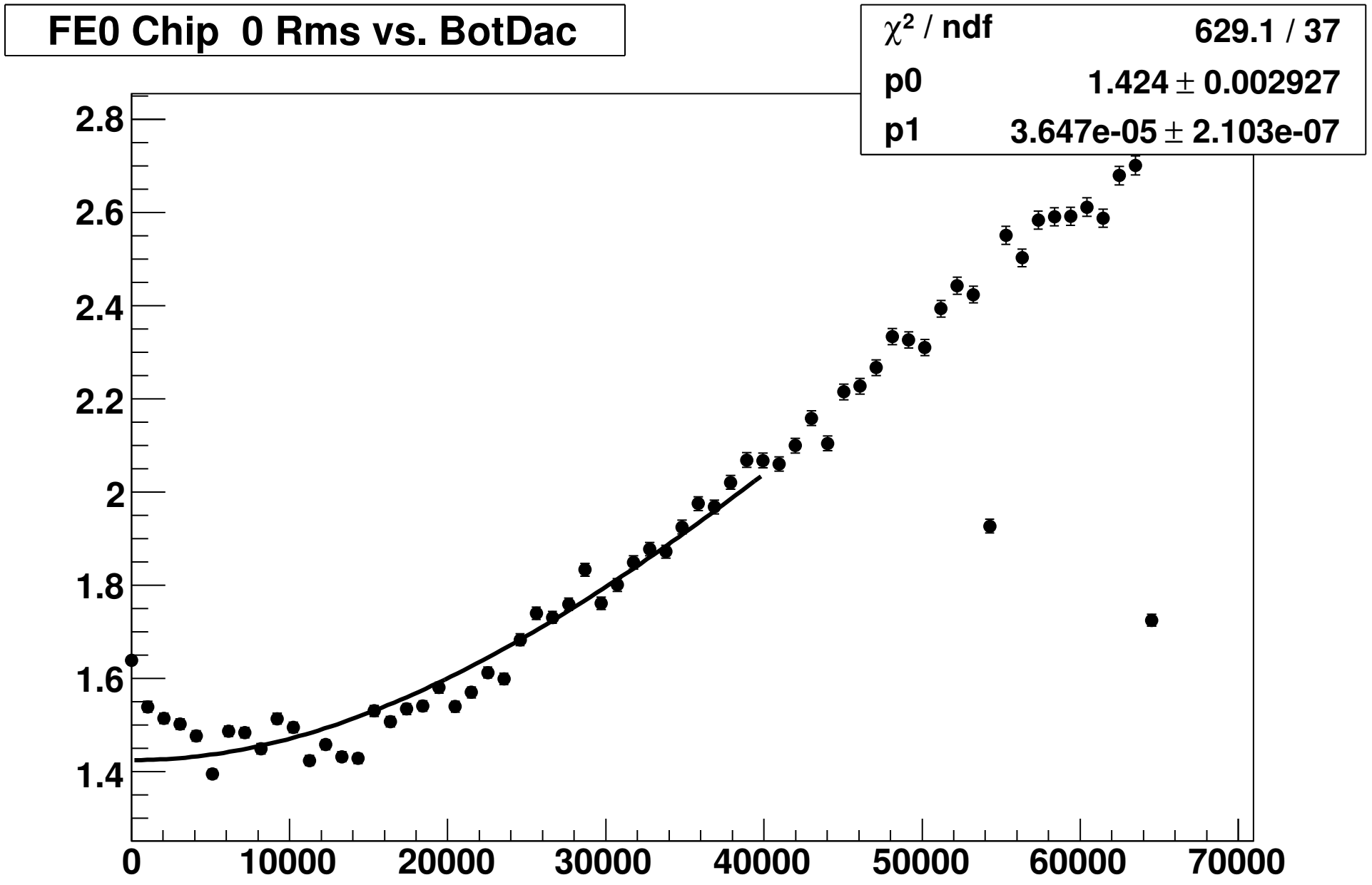

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.499e+05 / 37
p0 77.74 ± 0.005326
p1 0.4513 ± 2.51e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 629.1 / 37
p0 1.424 ± 0.002927
p1 3.647e-05 ± 2.103e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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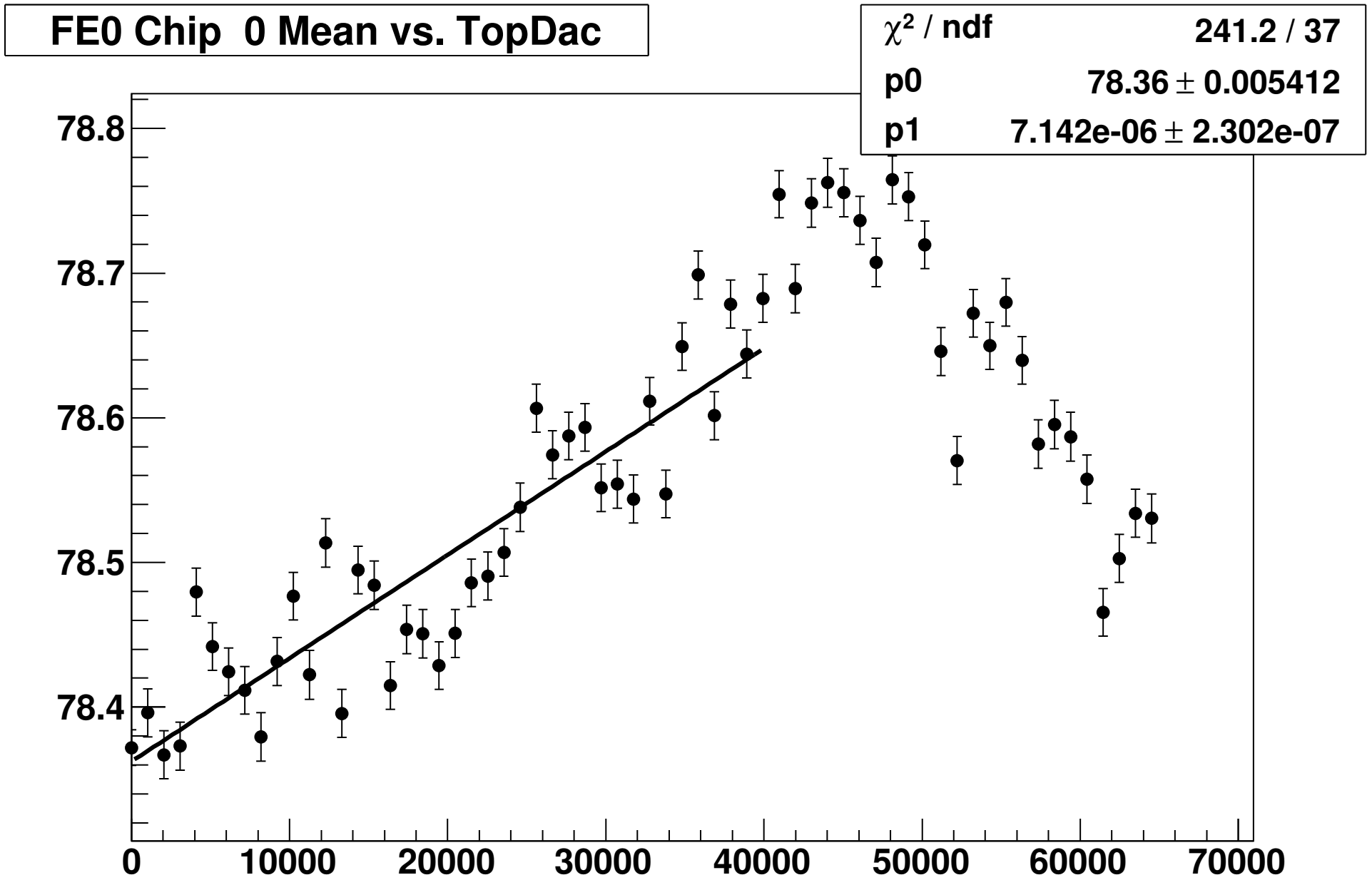
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 241.2 / 37
p0 78.36 ± 0.005412
p1 7.142e-06 ± 2.302e-07
78.8
78.7
78.6
78.5
78.4
0
10000
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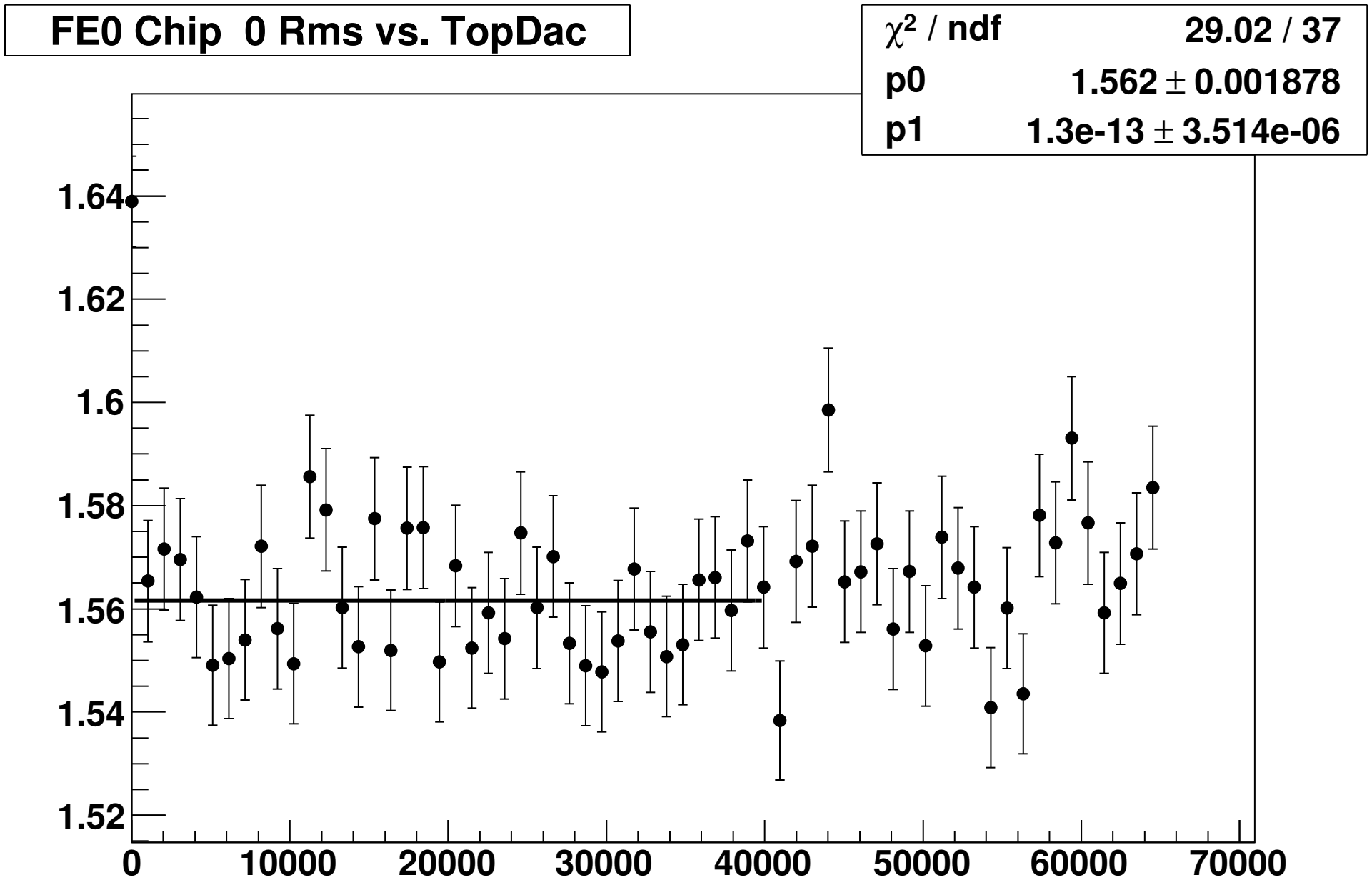
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 29.02 / 37
p0 1.562 ± 0.001878
p1 1.3e-13 ± 3.514e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
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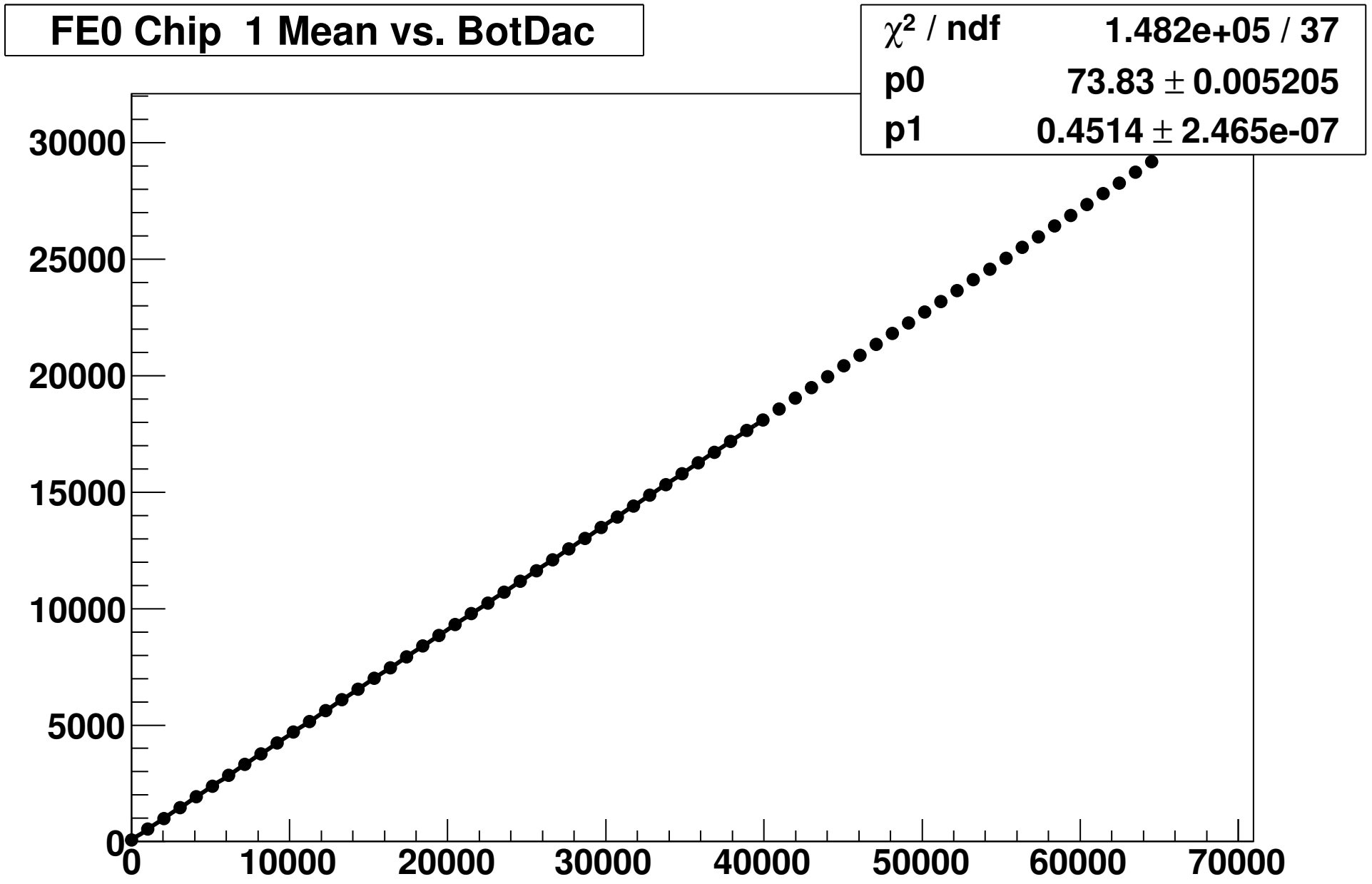
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.482e+05 / 37
p0 73.83 ± 0.005205
p1 0.4514 ± 2.465e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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60000
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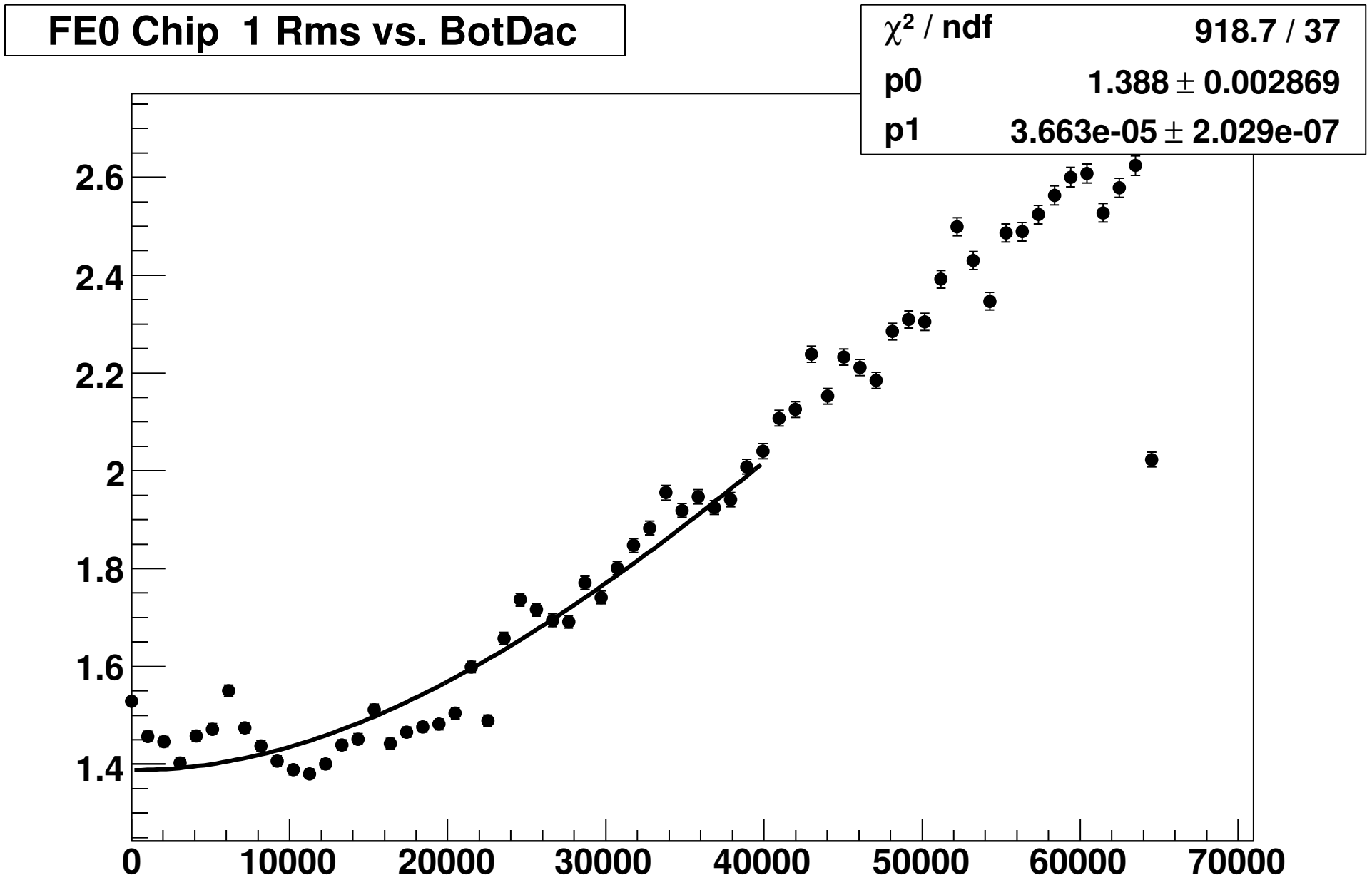
FE0 Chip 1 Rms vs. BotDac
χ² / ndf 918.7 / 37
p0 1.388 ± 0.002869
p1 3.663e-05 ± 2.029e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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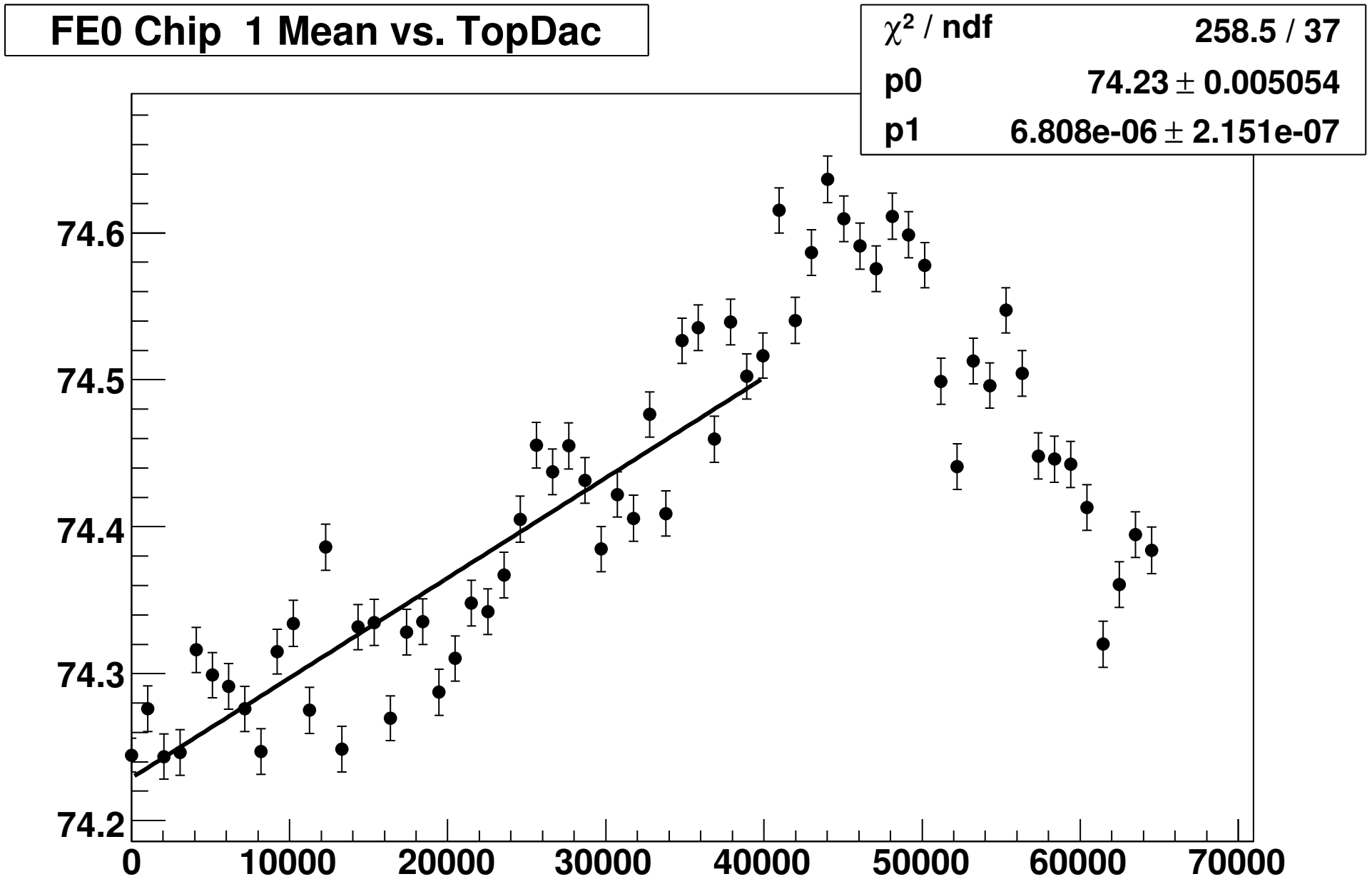
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 258.5 / 37
p0 74.23 ± 0.005054
p1 6.808e-06 ± 2.151e-07
74.6
74.5
74.4
74.3
74.2
0
10000
20000
30000
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60000
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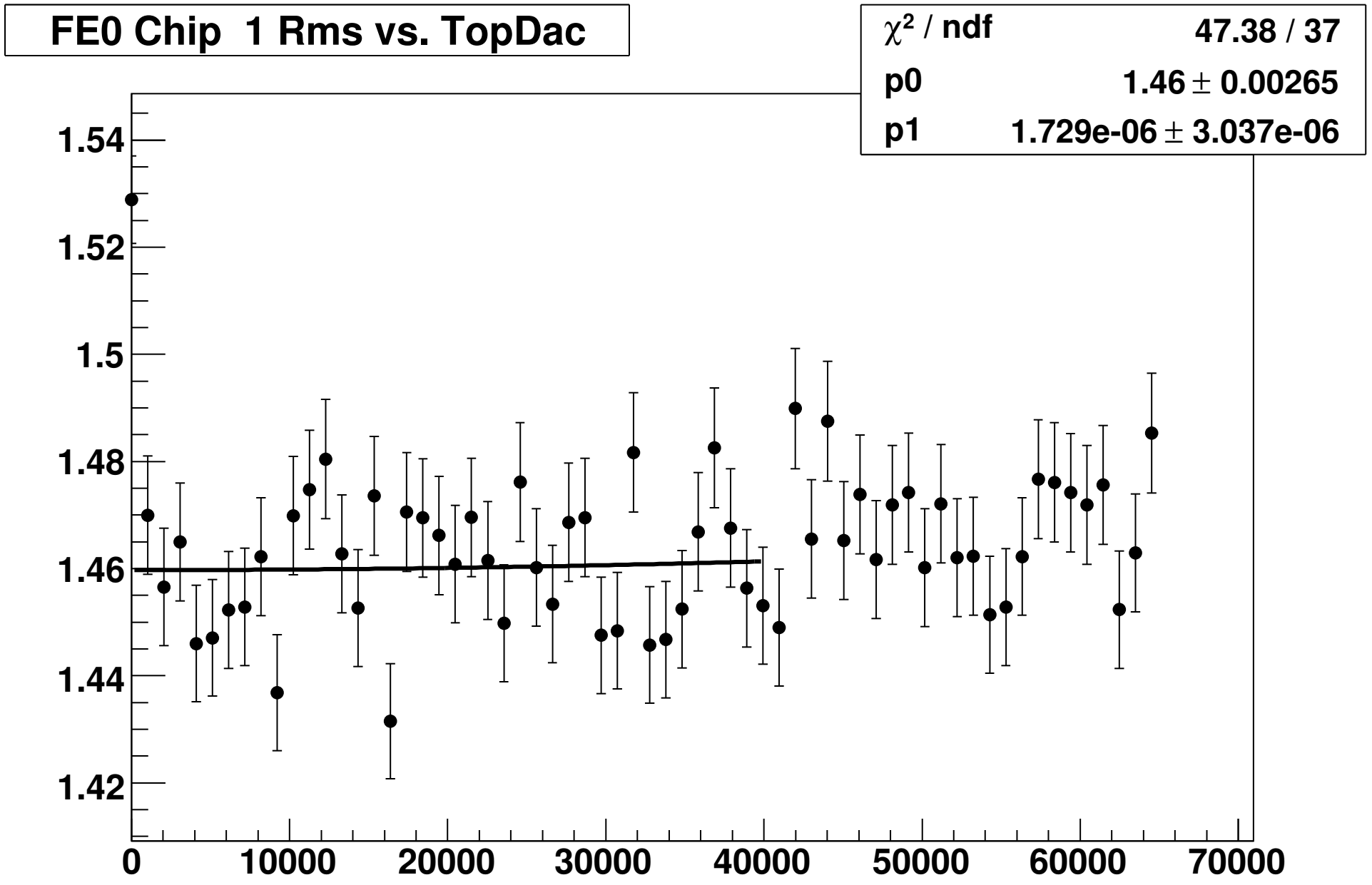
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 47.38 / 37
p0 1.46 ± 0.00265
p1 1.729e-06 ± 3.037e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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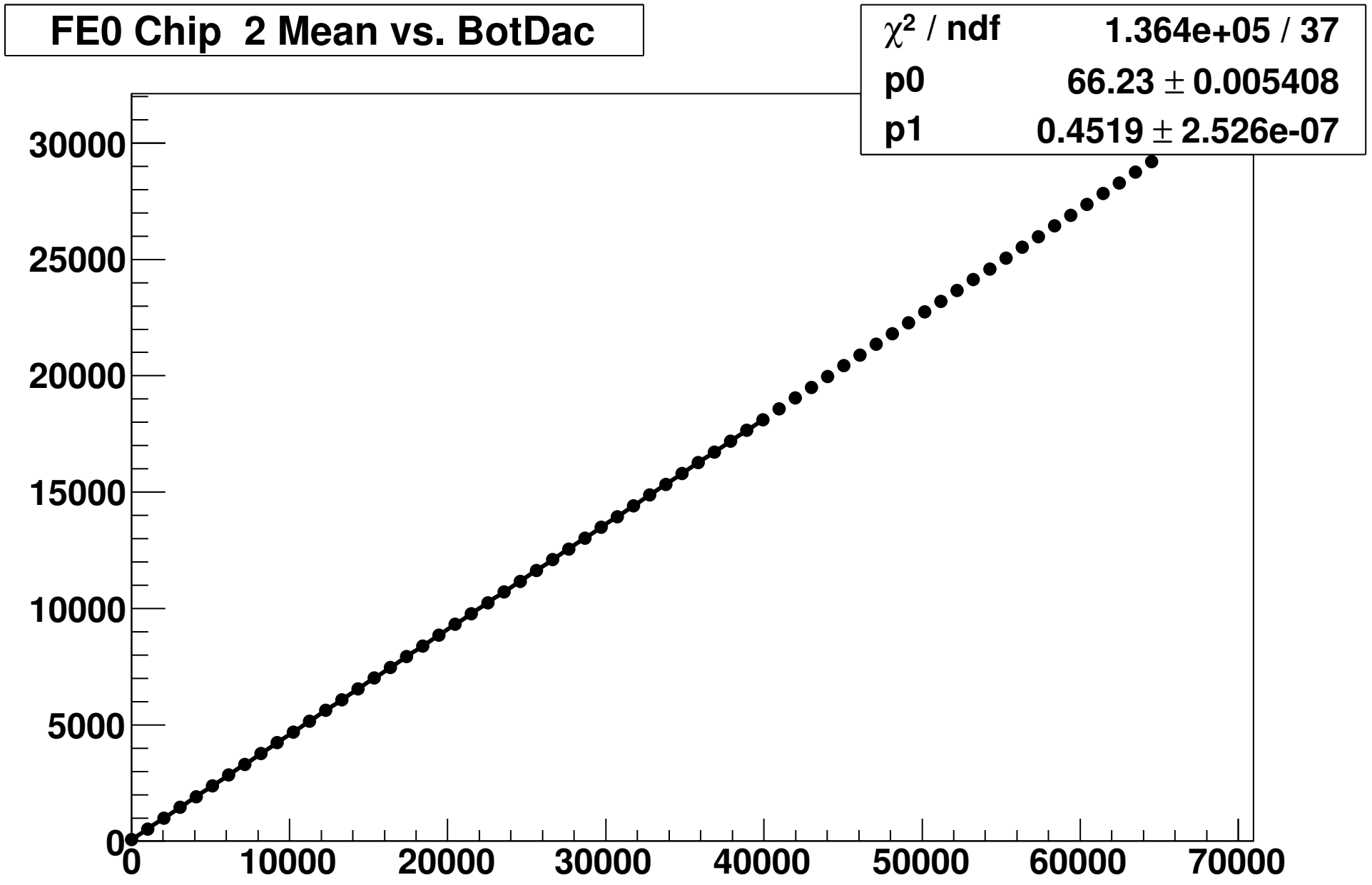
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.364e+05 / 37
p0 66.23 ± 0.005408
p1 0.4519 ± 2.526e-07
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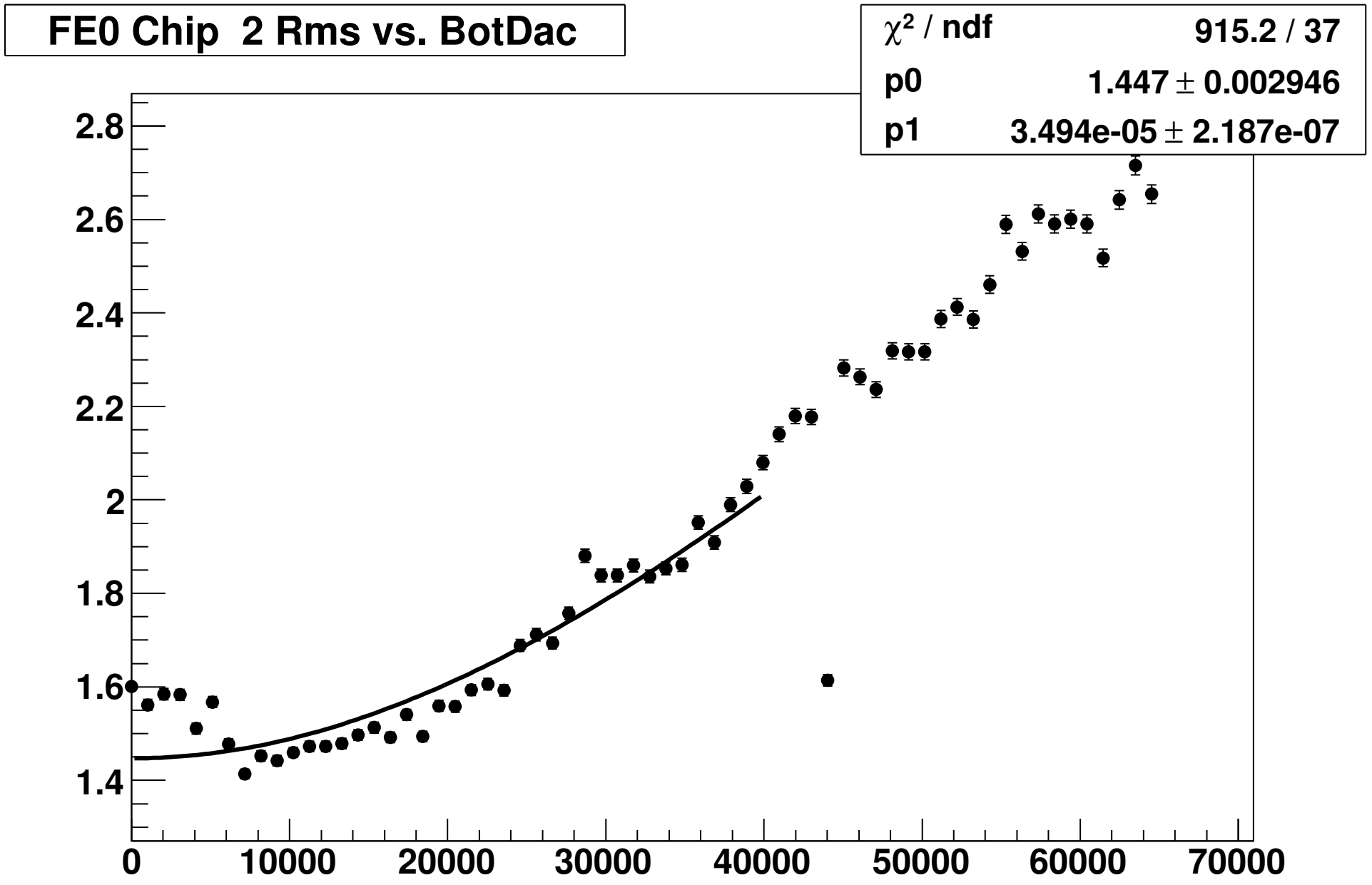
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 915.2 / 37
p0 1.447 ± 0.002946
p1 3.494e-05 ± 2.187e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
60000
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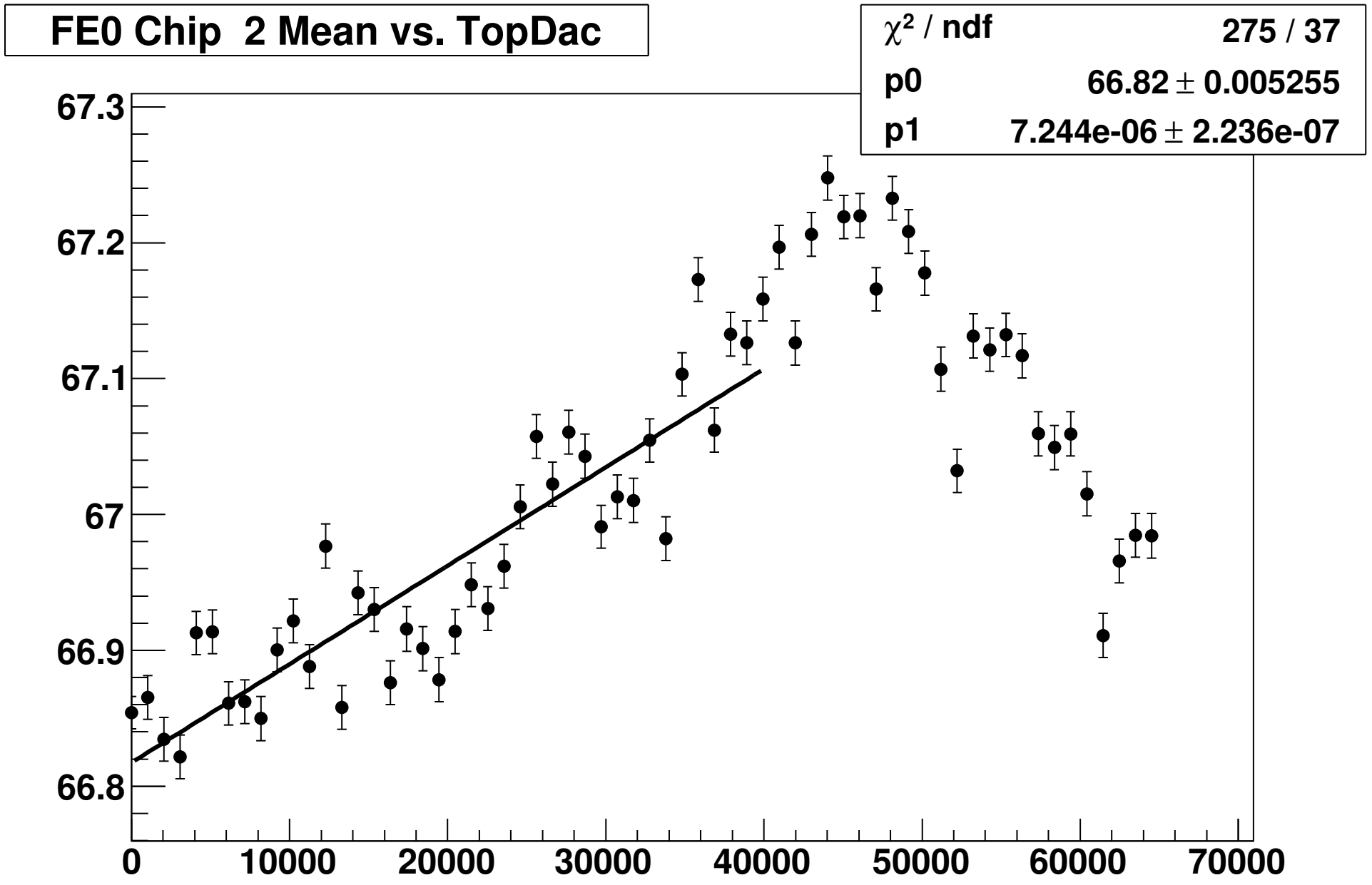
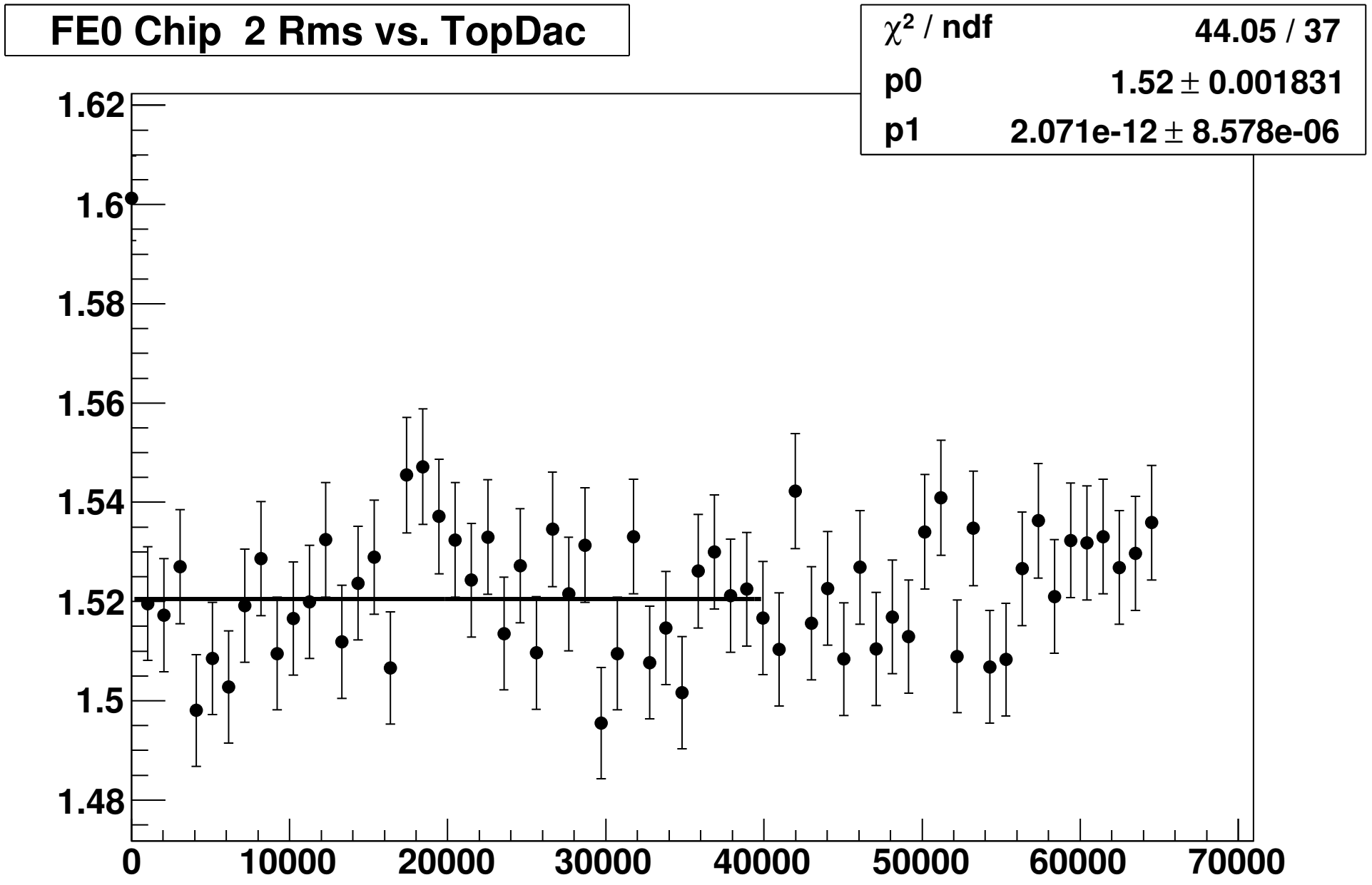
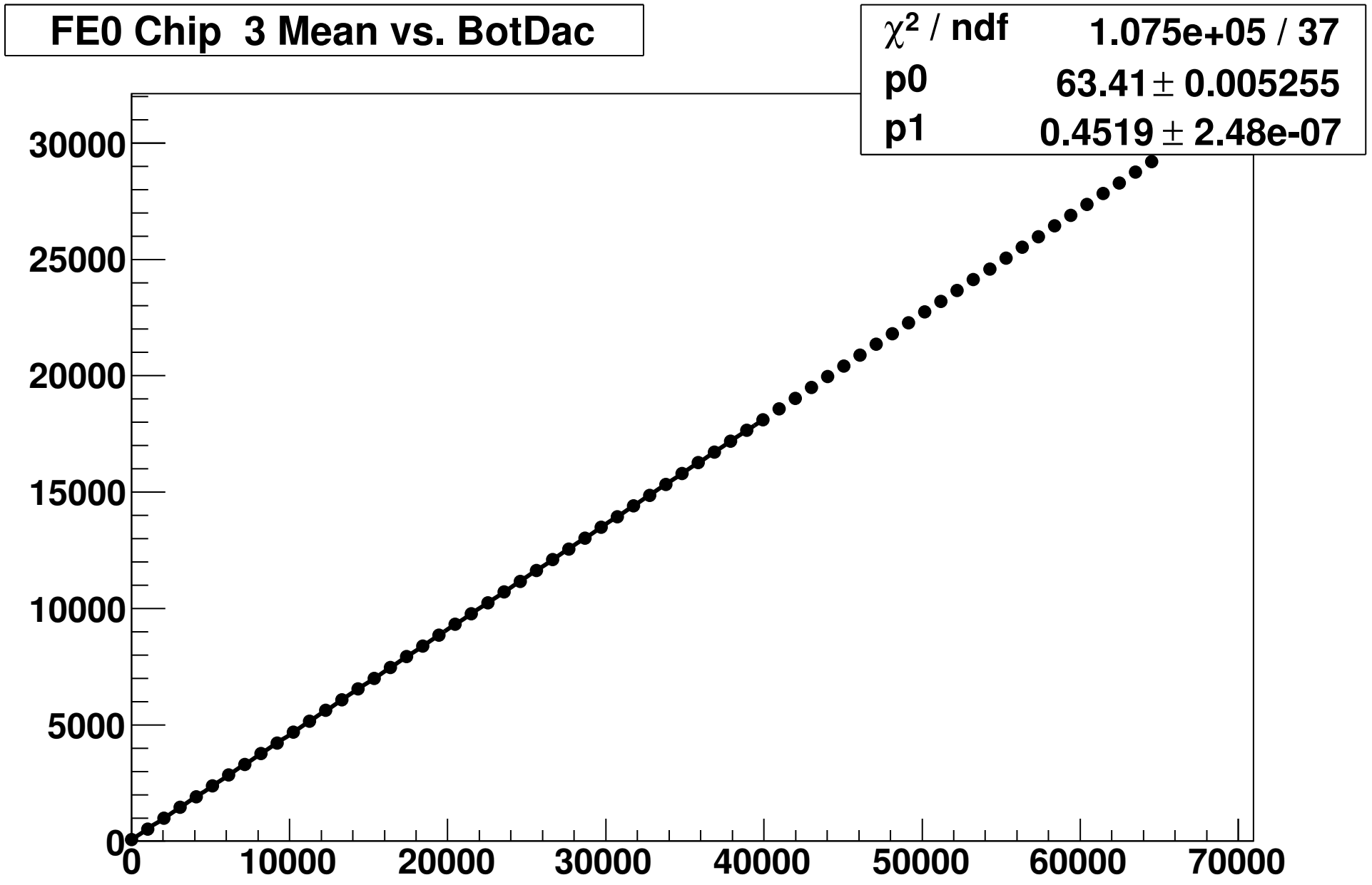
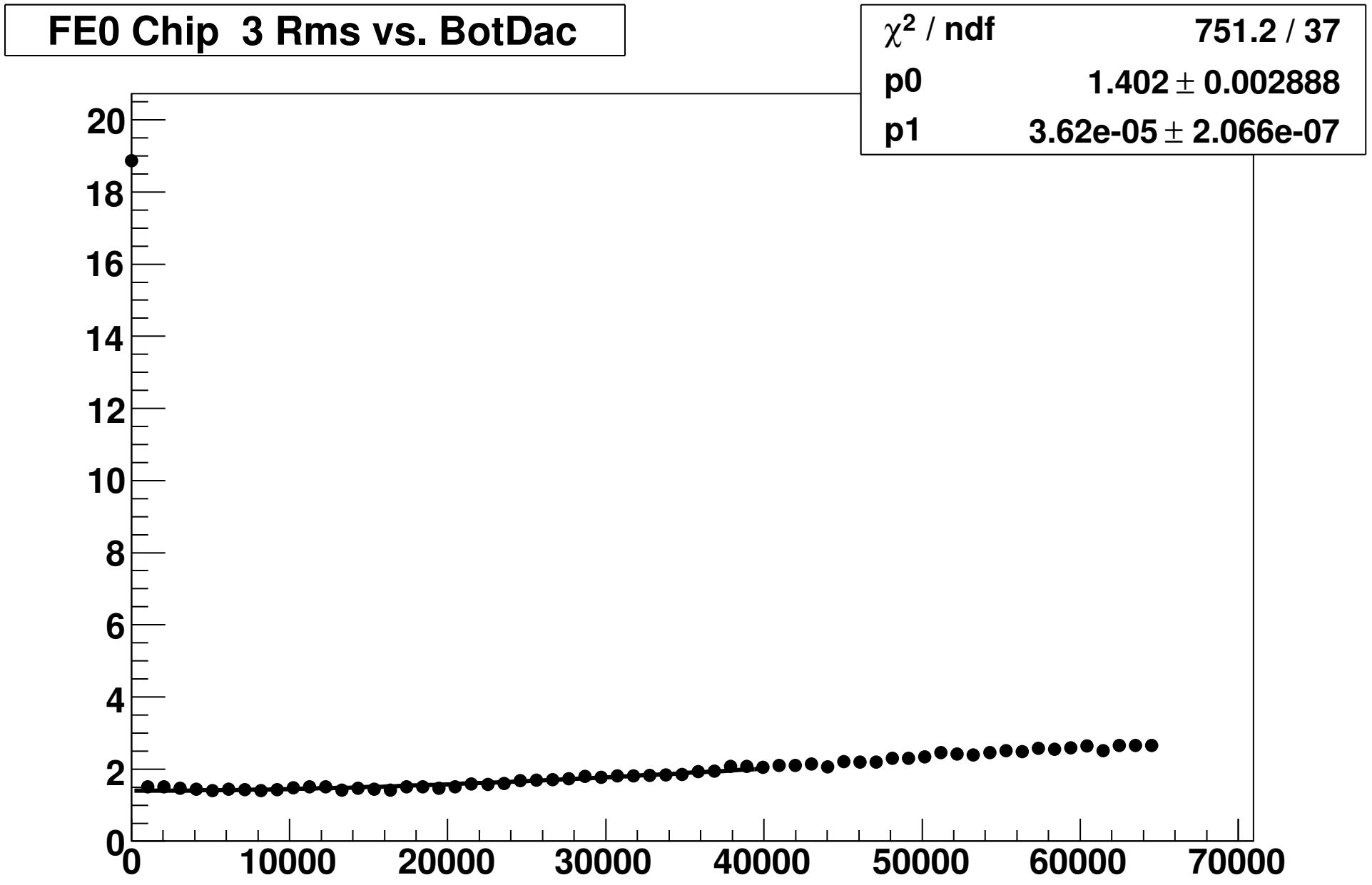
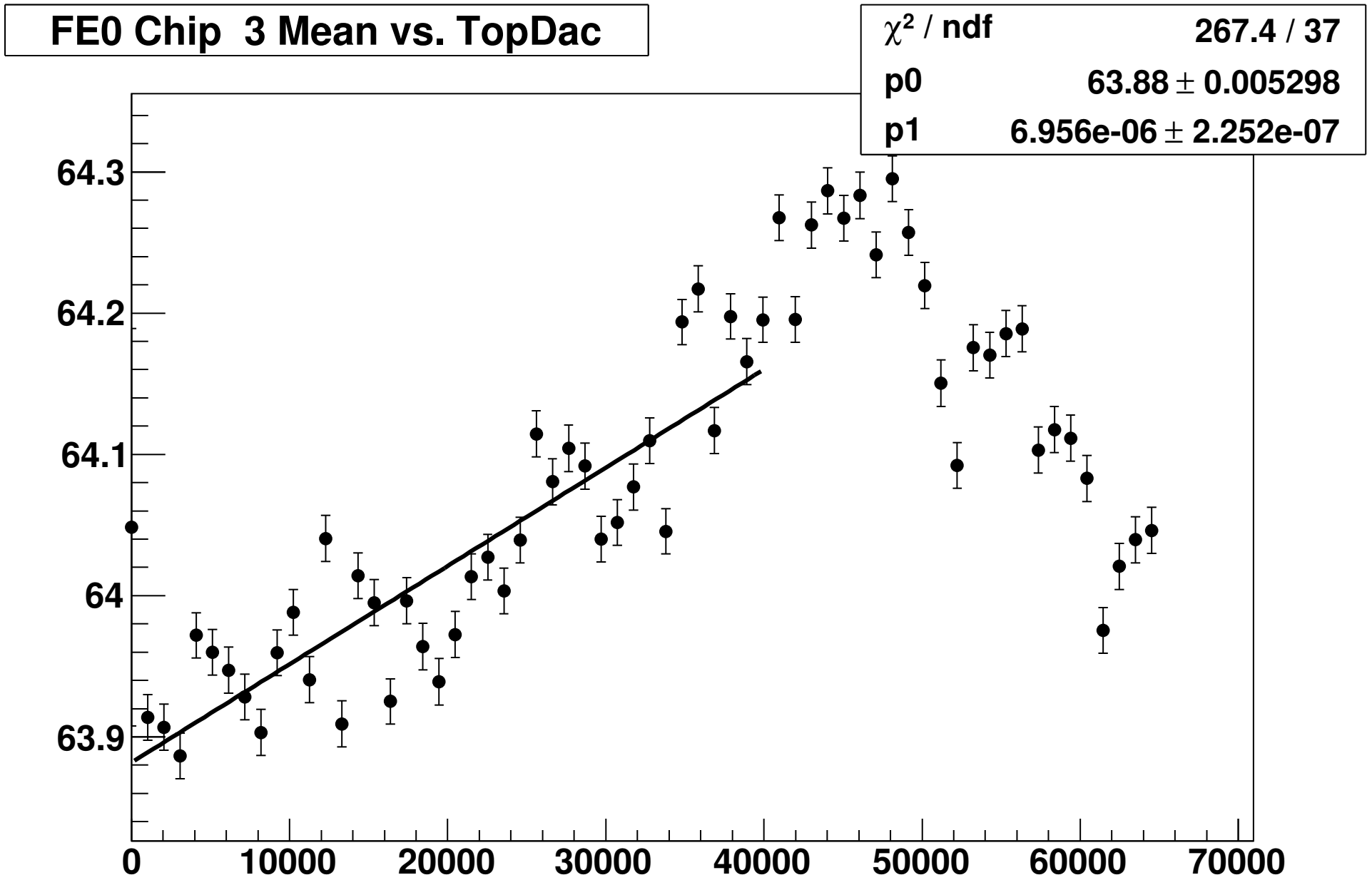
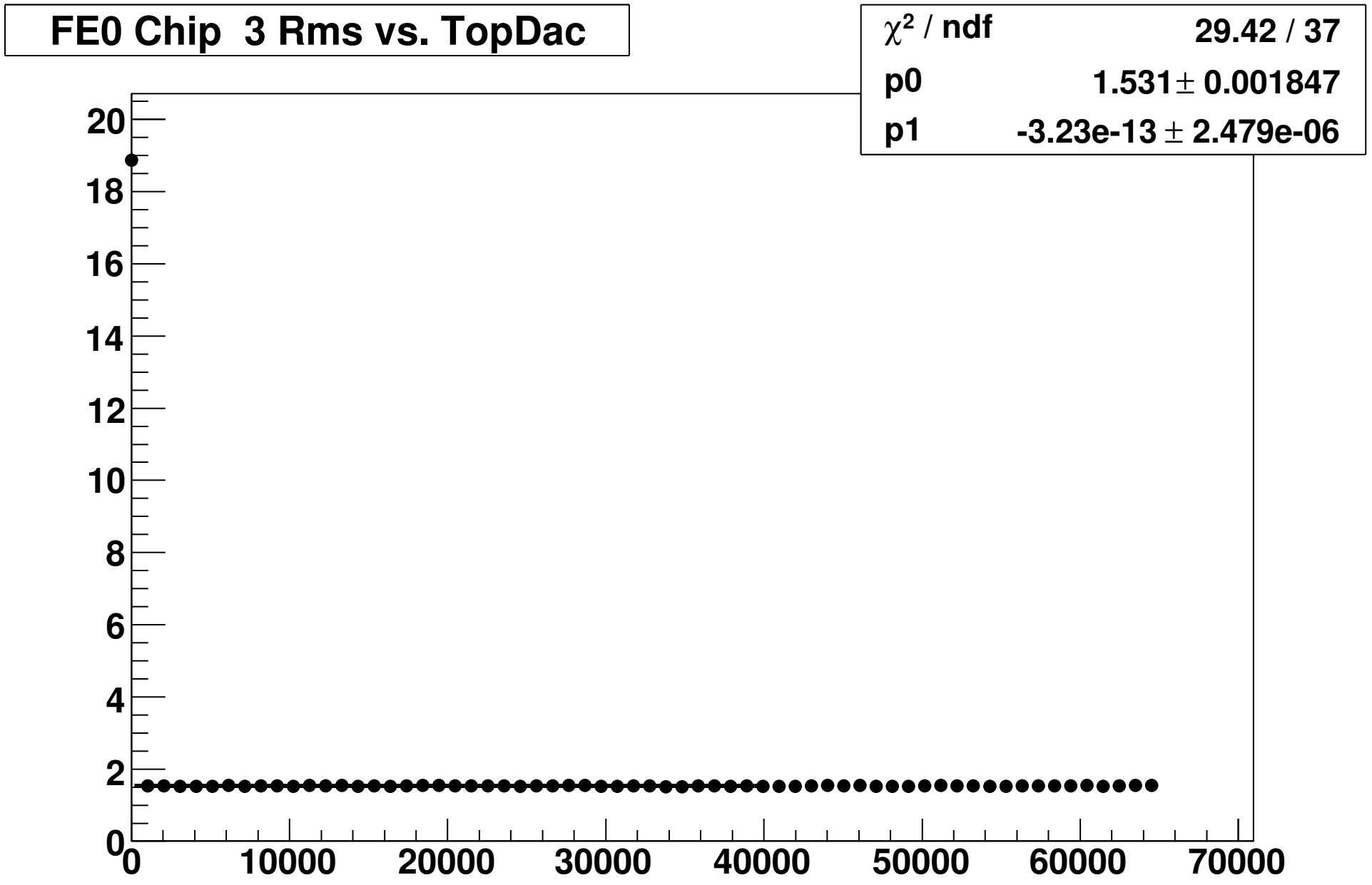

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 275 / 37
p0 66.82 ± 0.005255
p1 7.244e-06 ± 2.236e-07
67.3
67.2
67.1
67
66.9
66.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 44.05 / 37
p0 1.52 ± 0.001831
p1 2.071e-12 ± 8.578e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.075e+05 / 37
p0 63.41 ± 0.005255
p1 0.4519 ± 2.48e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 751.2 / 37
p0 1.402 ± 0.002888
p1 3.62e-05 ± 2.066e-07
0
2
4
6
8
10
12
14
16
18
20
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 267.4 / 37
p0 63.88 ± 0.005298
p1 6.956e-06 ± 2.252e-07
64.3
64.2
64.1
64
63.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 29.42 / 37
p0 1.531 ± 0.001847
p1 -3.23e-13 ± 2.479e-06
20
18
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
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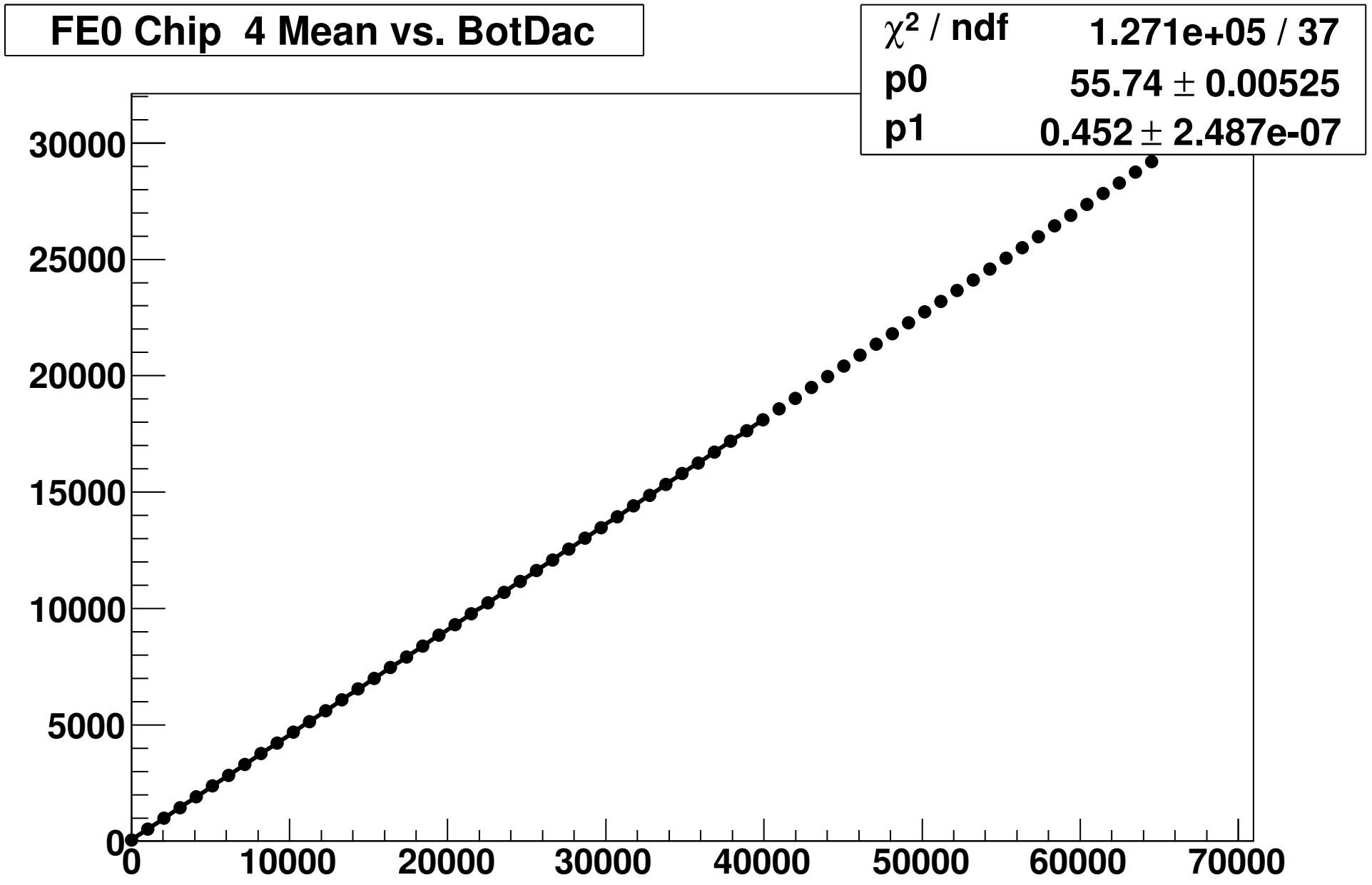
FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.271e+05 / 37
p0 55.74 ± 0.00525
p1 0.452 ± 2.487e-07
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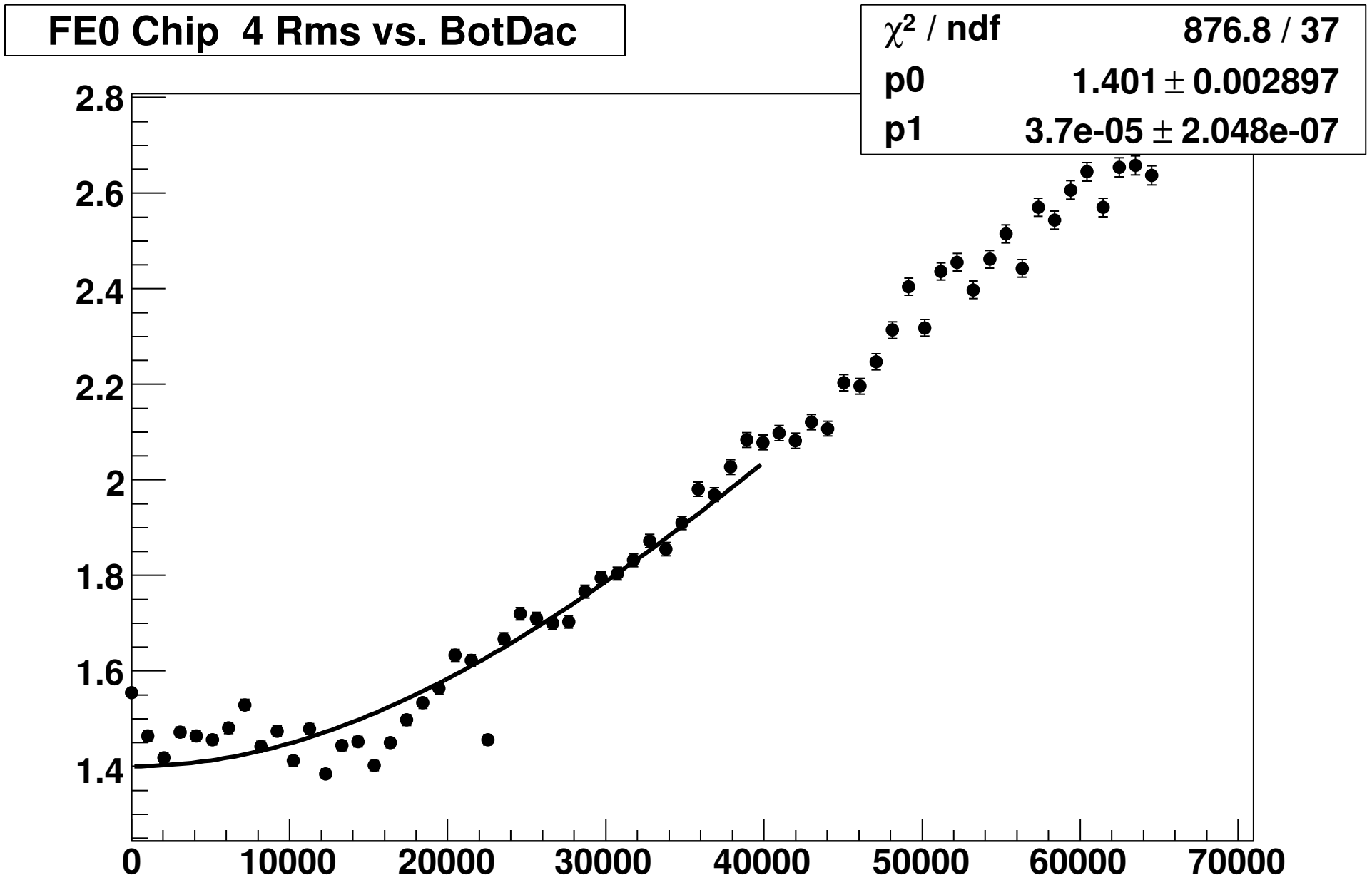
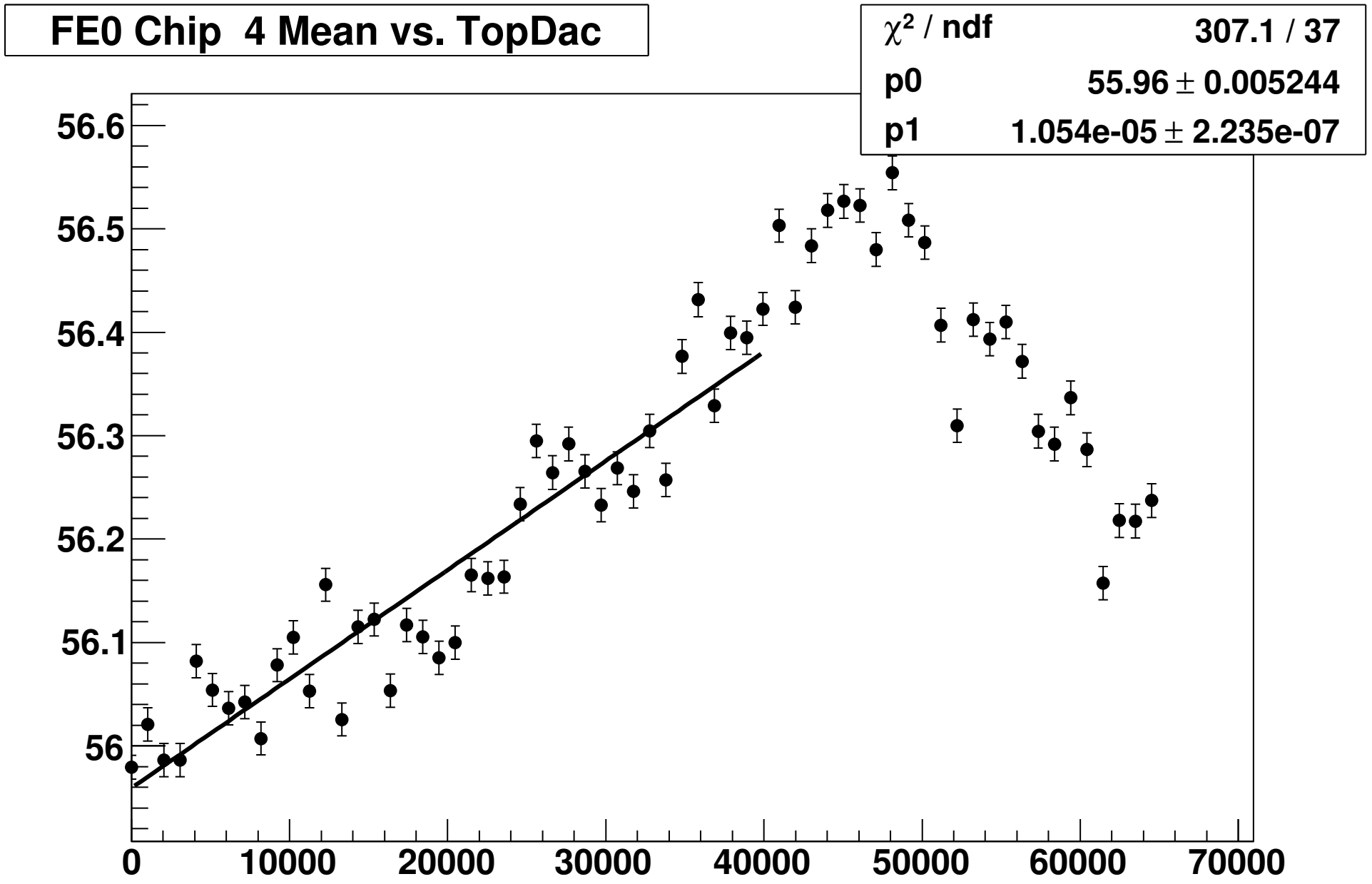
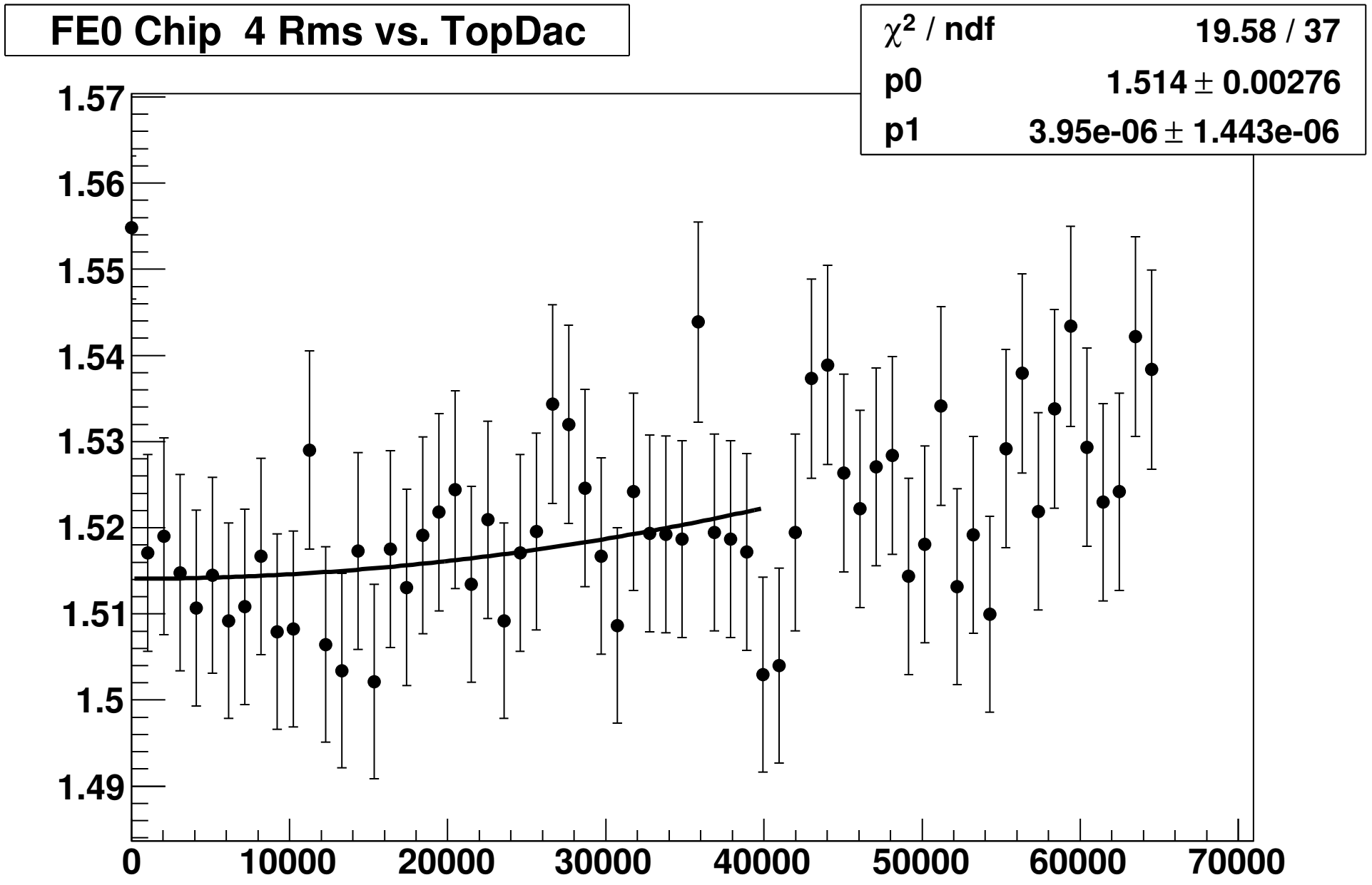
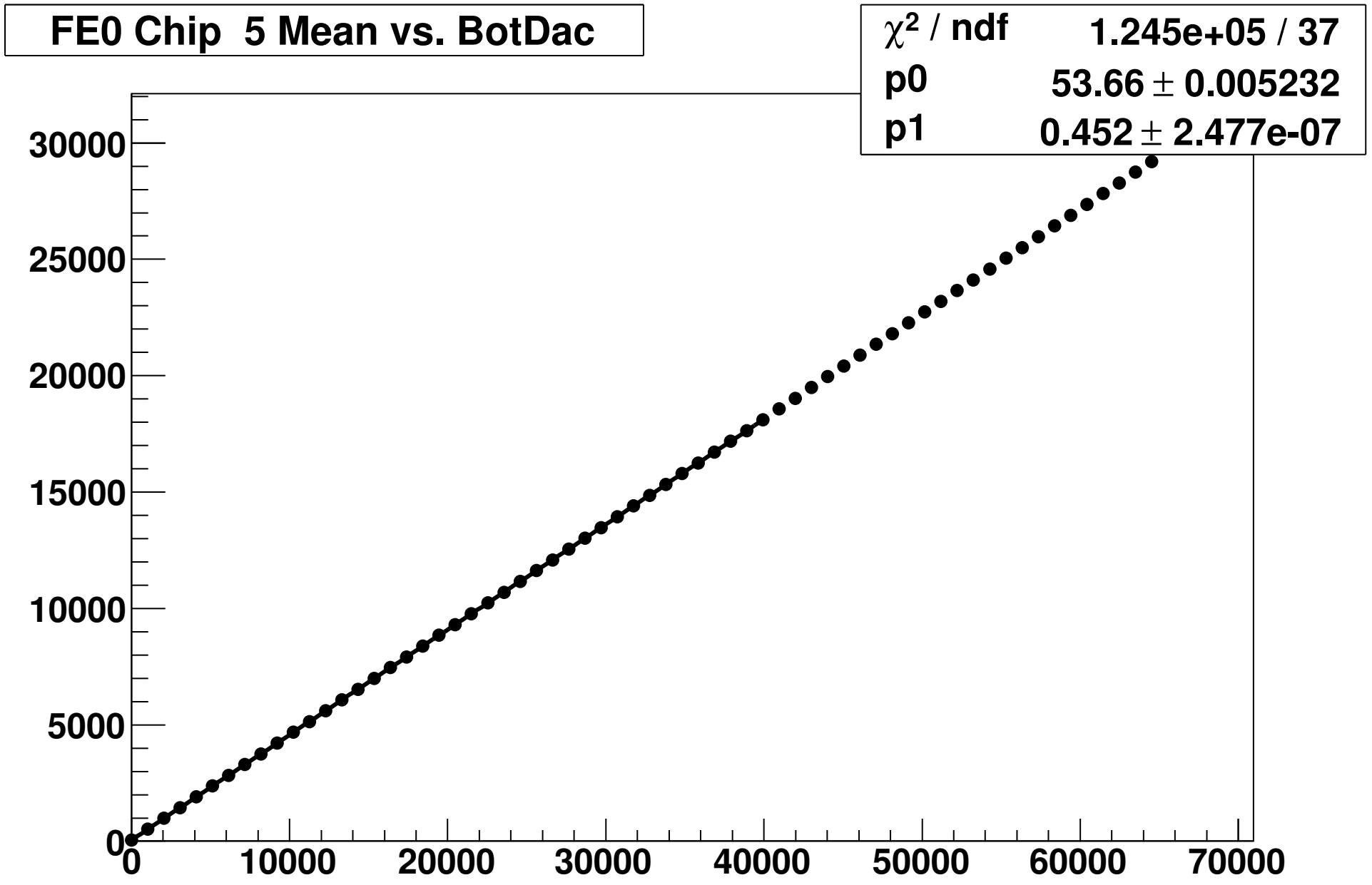
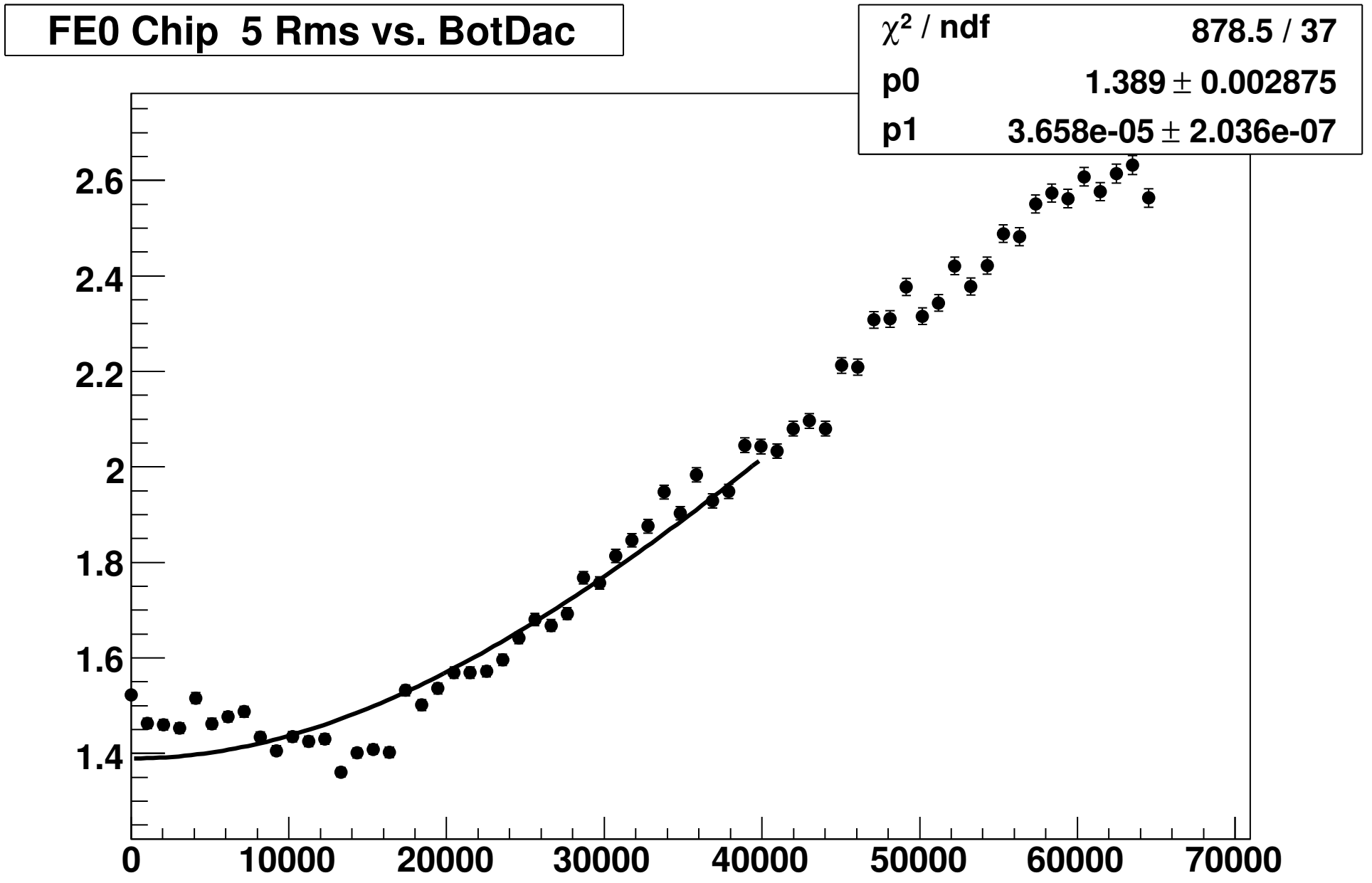
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

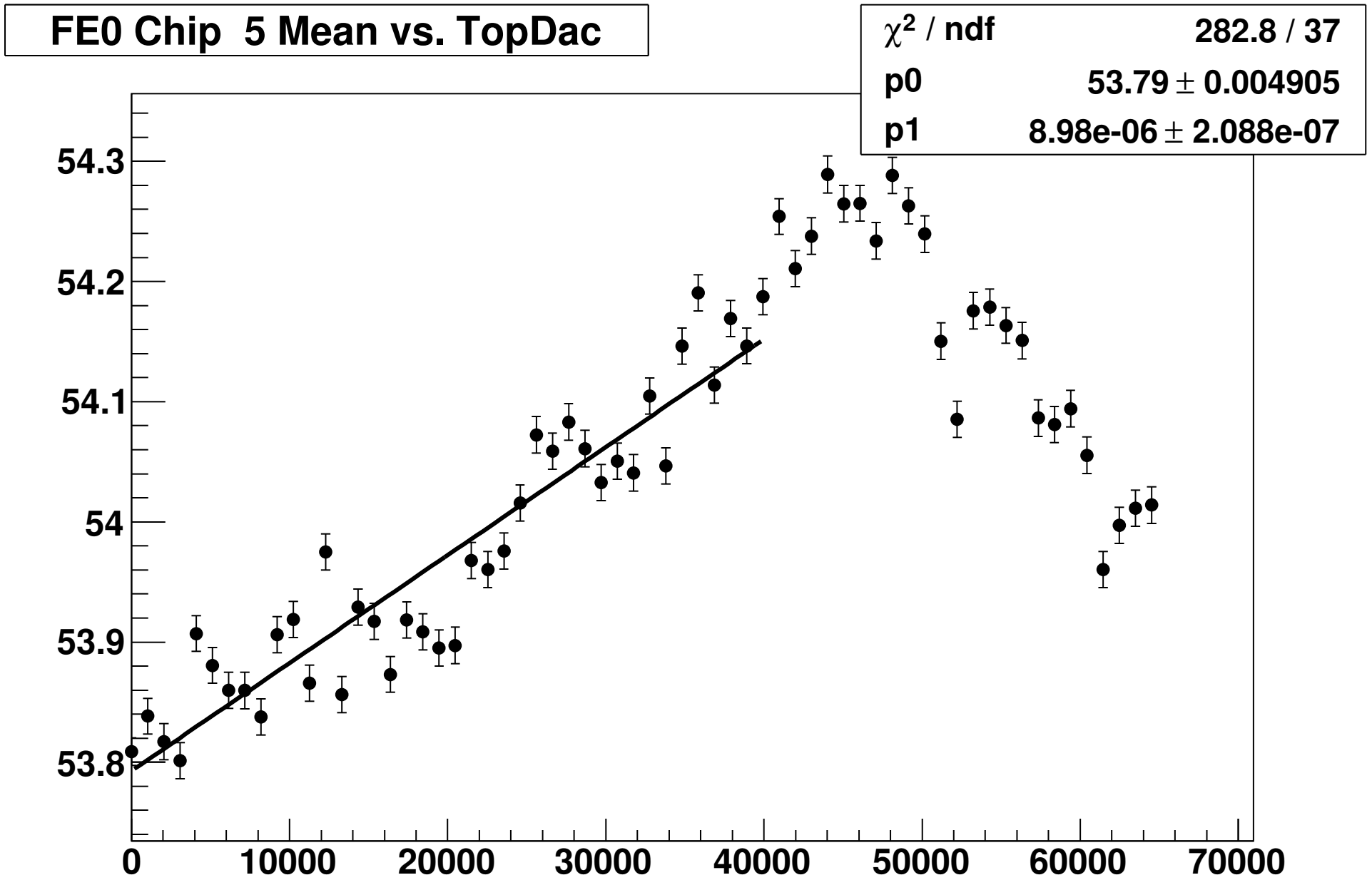

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 876.8 / 37
p0 1.401 ± 0.002897
p1 3.7e-05 ± 2.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

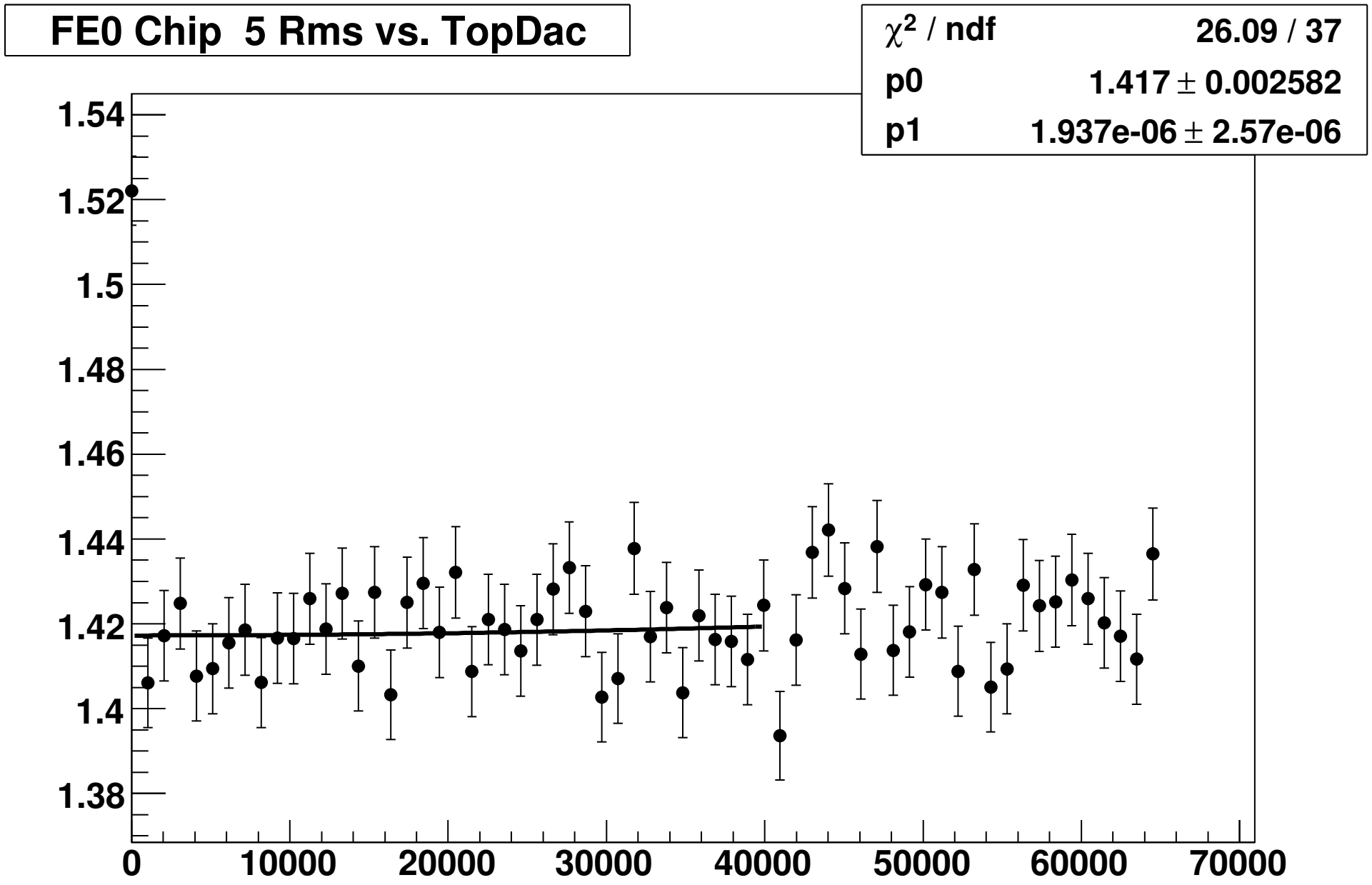

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 307.1 / 37
p0 55.96 ± 0.005244
p1 1.054e-05 ± 2.235e-07
56.6
56.5
56.4
56.3
56.2
56.1
56
0
10000
20000
30000
40000
50000
60000
70000

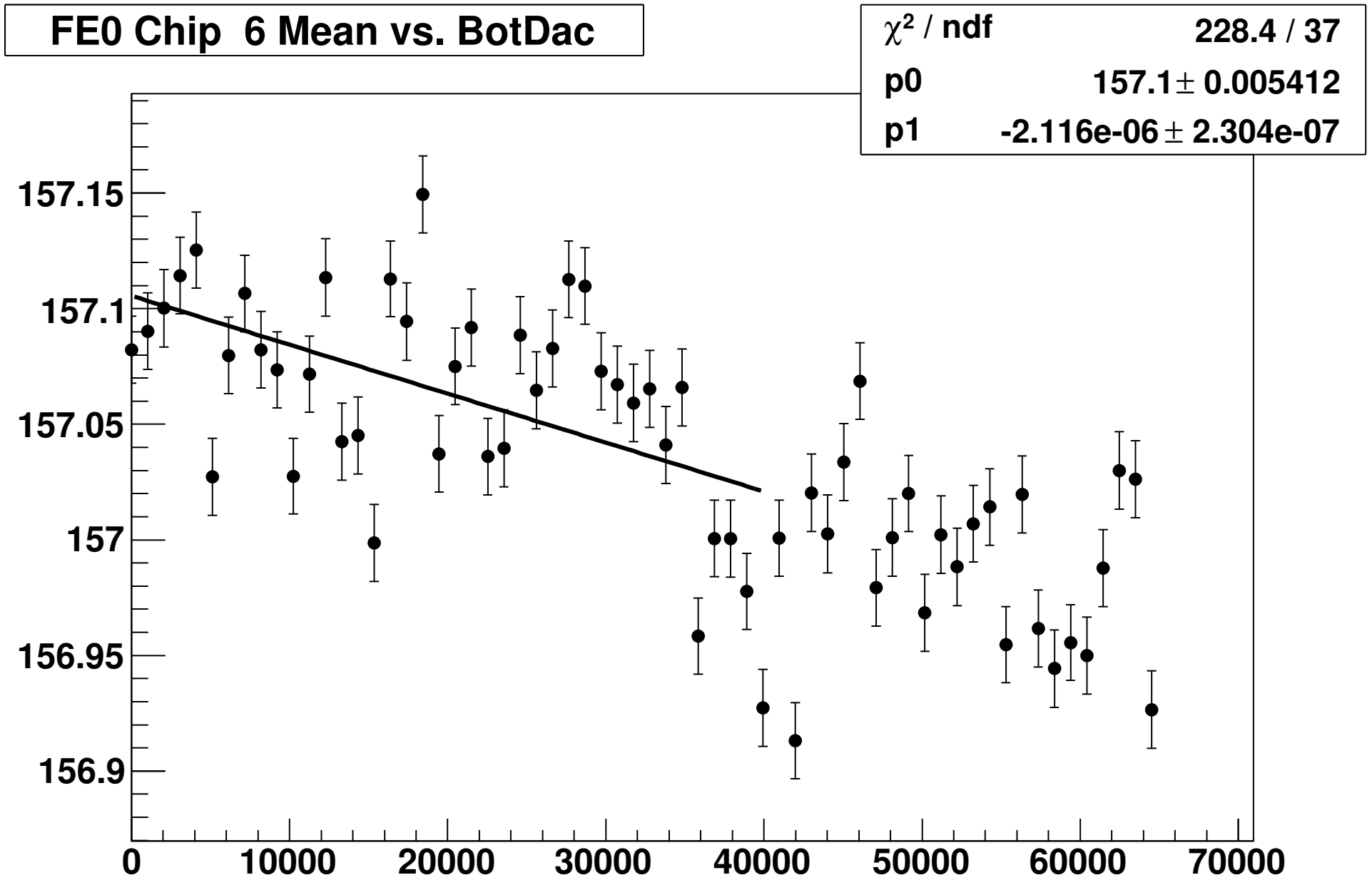

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 19.58 / 37
p0 1.514 ± 0.00276
p1 3.95e-06 ± 1.443e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

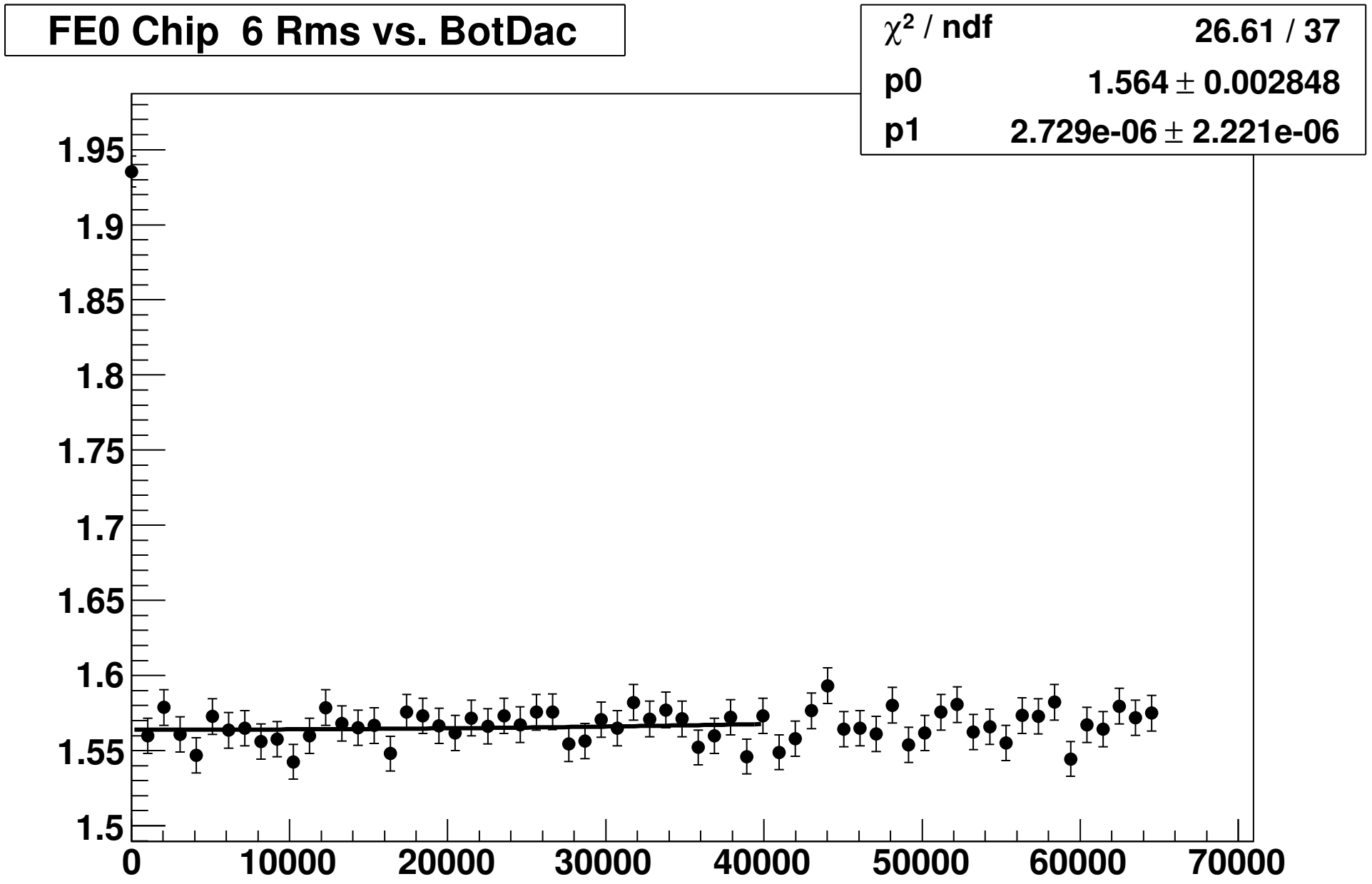

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.245e+05 / 37
p0 53.66 ± 0.005232
p1 0.452 ± 2.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

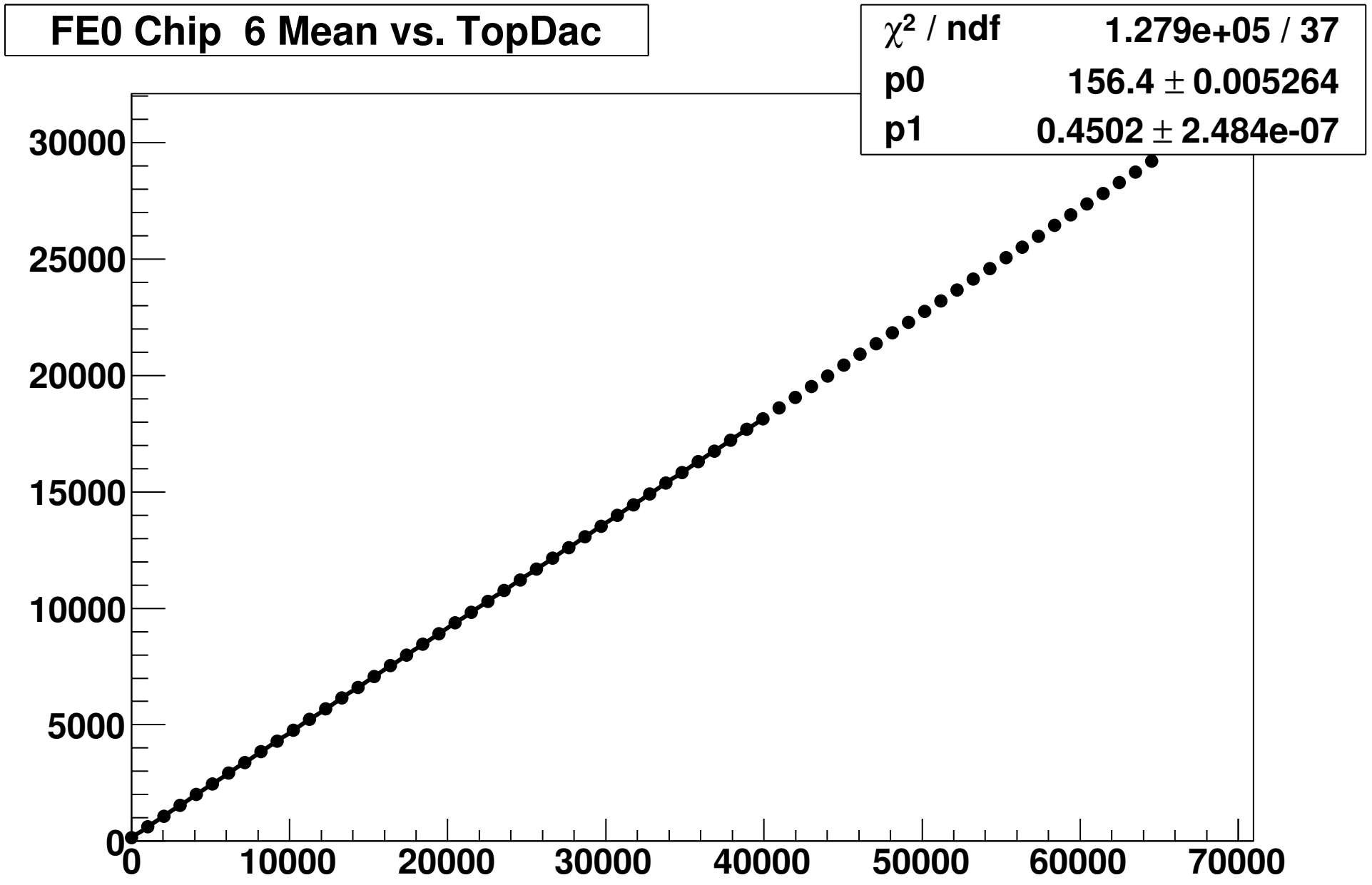

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 878.5 / 37
p0 1.389 ± 0.002875
p1 3.658e-05 ± 2.036e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

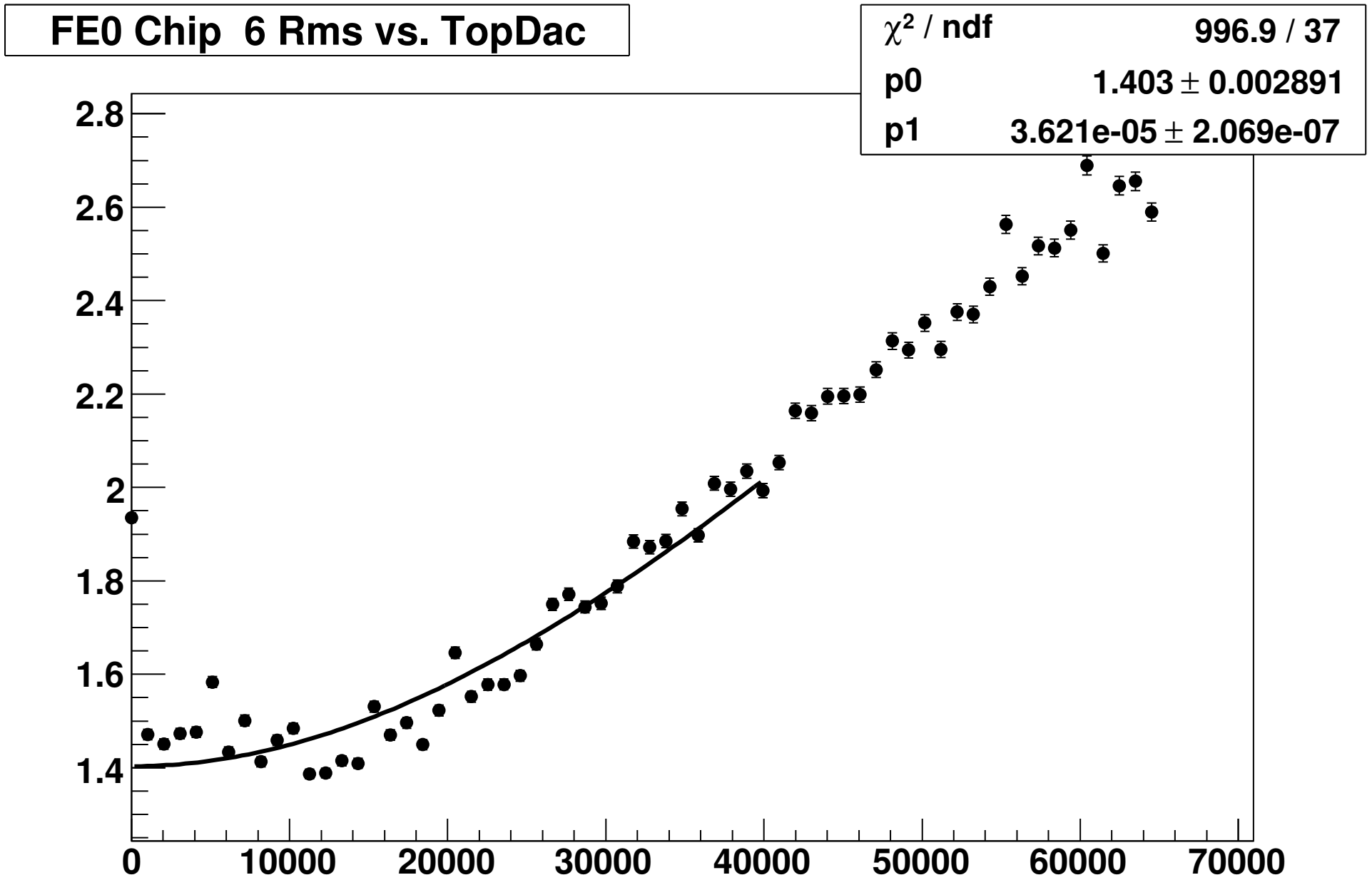

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 282.8 / 37
p0 53.79 ± 0.004905
p1 8.98e-06 ± 2.088e-07
54.3
54.2
54.1
54
53.9
53.8
0
10000
20000
30000
40000
50000
60000
70000

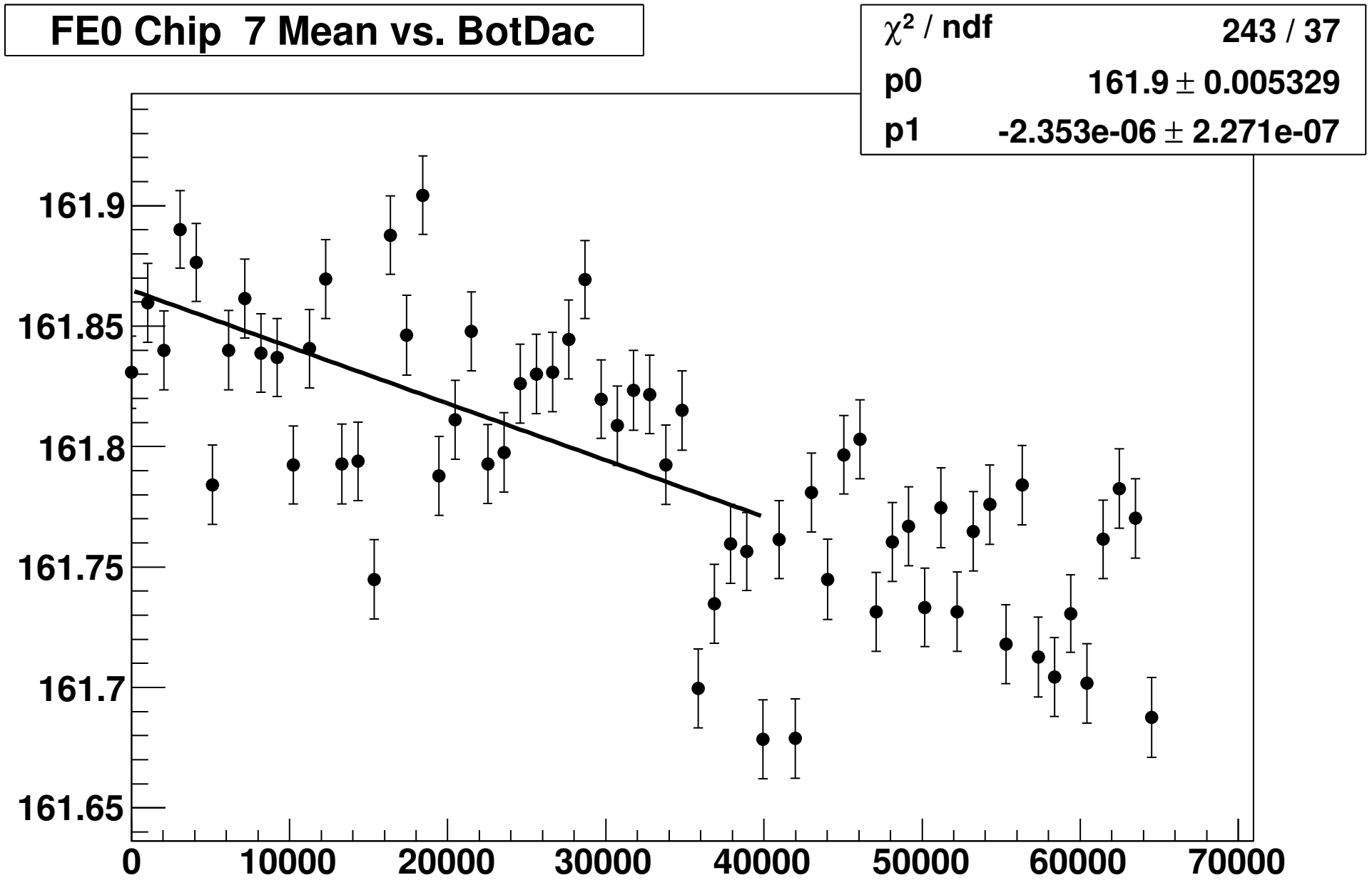

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 26.09 / 37
p0 1.417 ± 0.002582
p1 1.937e-06 ± 2.57e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

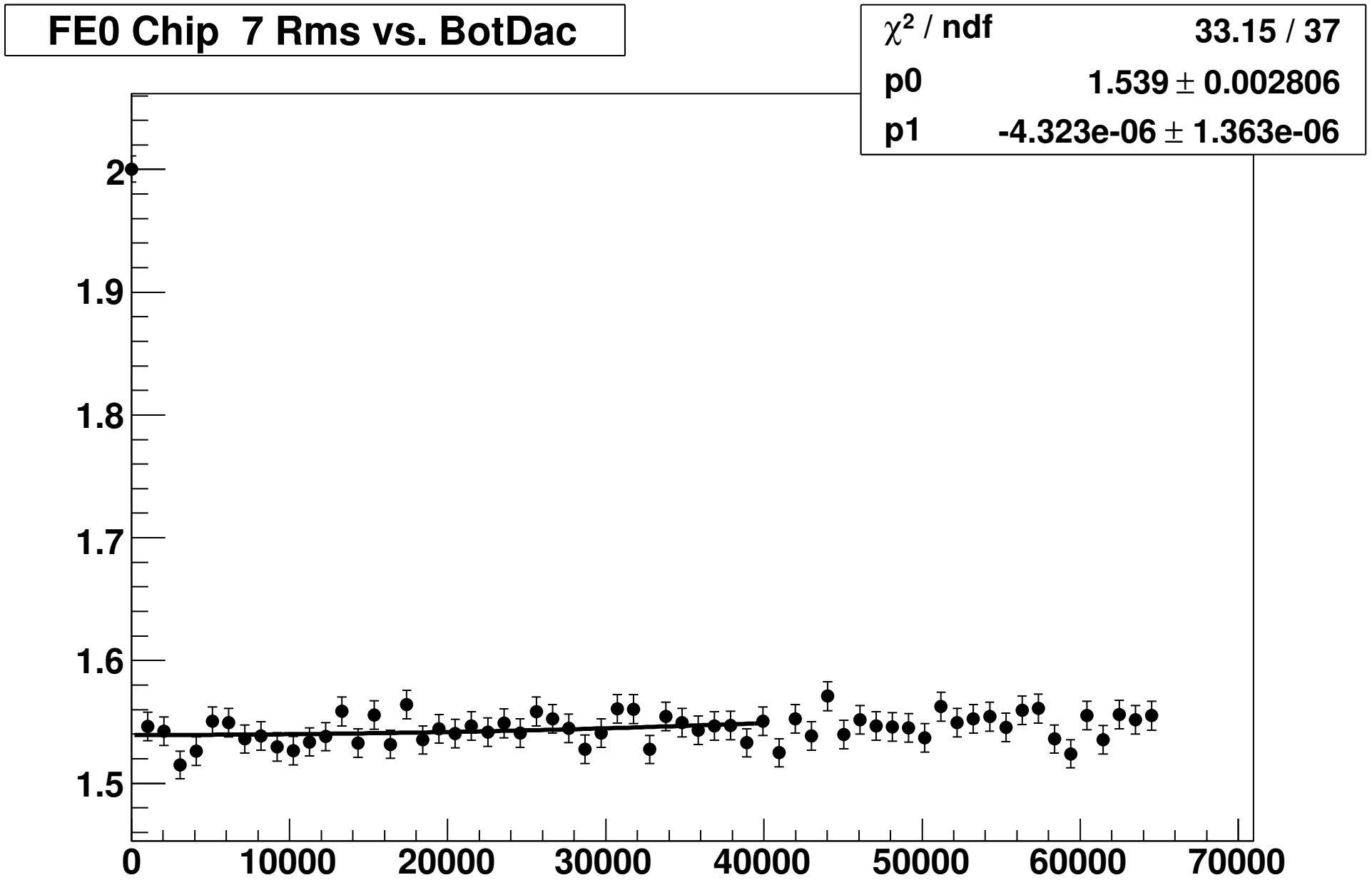

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 228.4 / 37
p0 157.1 ± 0.005412
p1 -2.116e-06 ± 2.304e-07
157.15
157.1
157.05
157
156.95
156.9
0
10000
20000
30000
40000
50000
60000
70000

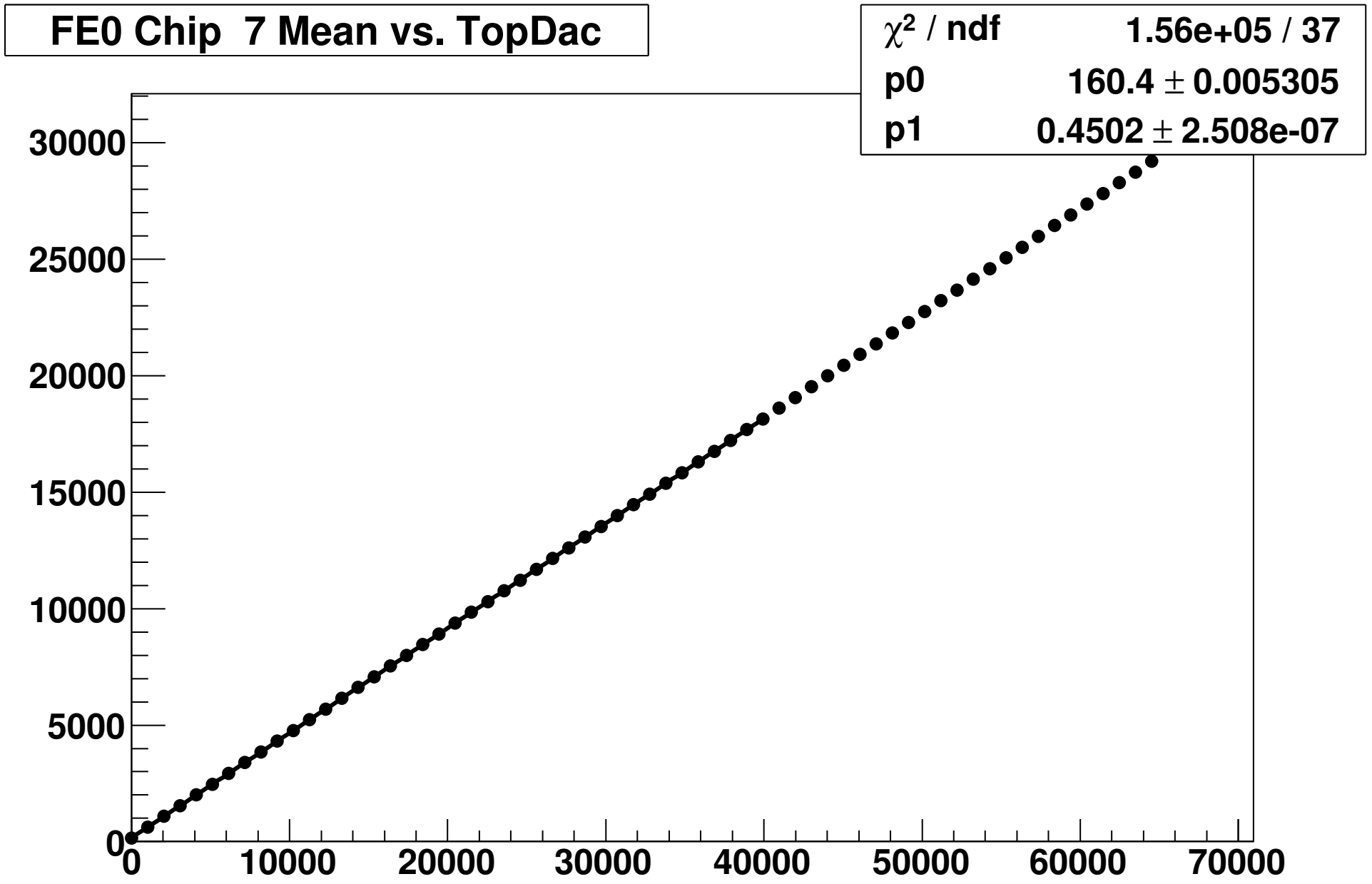

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 26.61 / 37
p0 1.564 ± 0.002848
p1 2.729e-06 ± 2.221e-06
1.95
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000

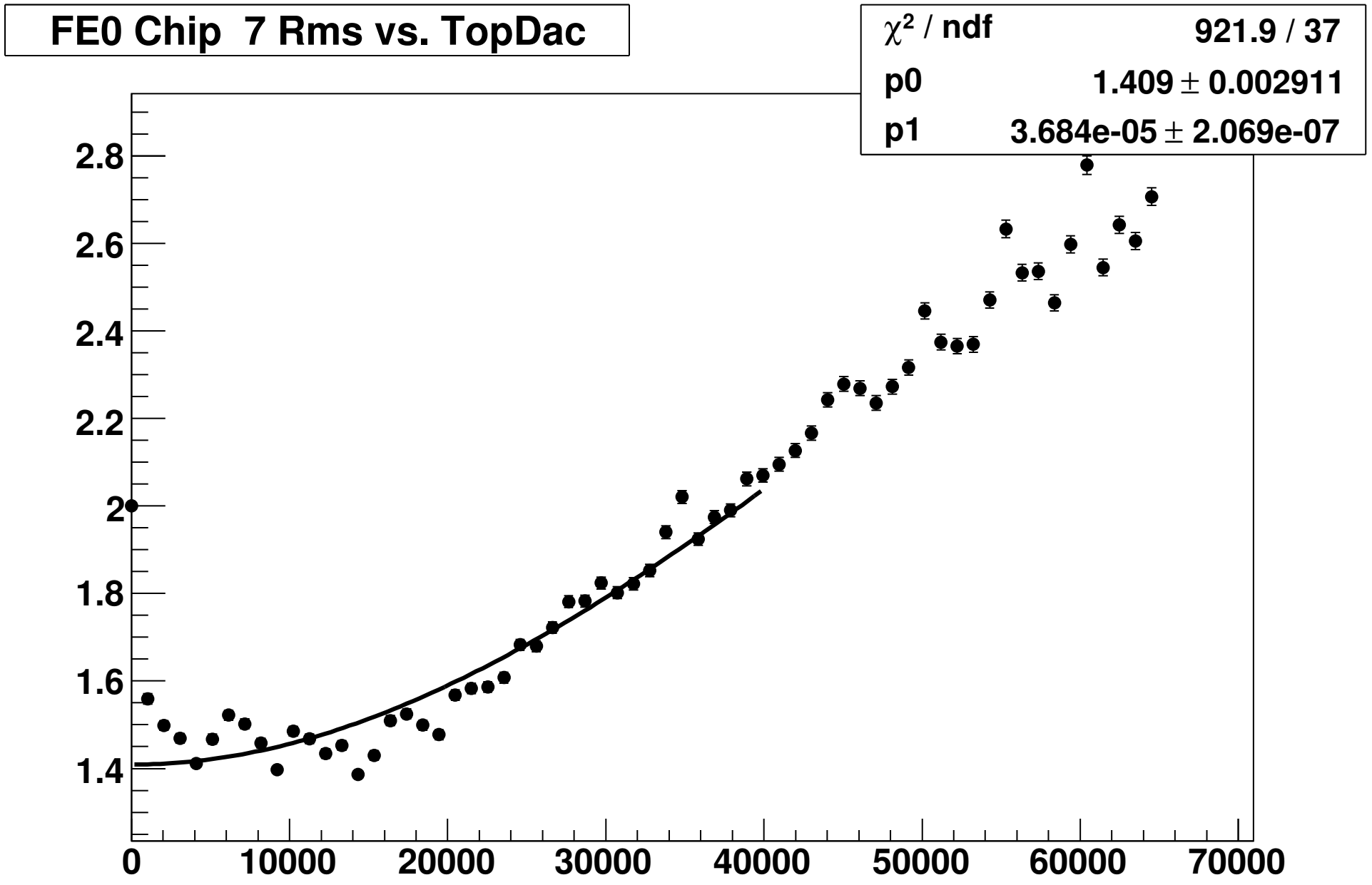

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.279e+05 / 37
p0 156.4 ± 0.005264
p1 0.4502 ± 2.484e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 996.9 / 37
p0 1.403 ± 0.002891
p1 3.621e-05 ± 2.069e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 243 / 37
p0 161.9 ± 0.005329
p1 -2.353e-06 ± 2.271e-07
161.9
161.85
161.8
161.75
161.7
161.65
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 33.15 / 37
p0 1.539 ± 0.002806
p1 -4.323e-06 ± 1.363e-06
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.56e+05 / 37
p0 160.4 ± 0.005305
p1 0.4502 ± 2.508e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 921.9 / 37
p0 1.409 ± 0.002911
p1 3.684e-05 ± 2.069e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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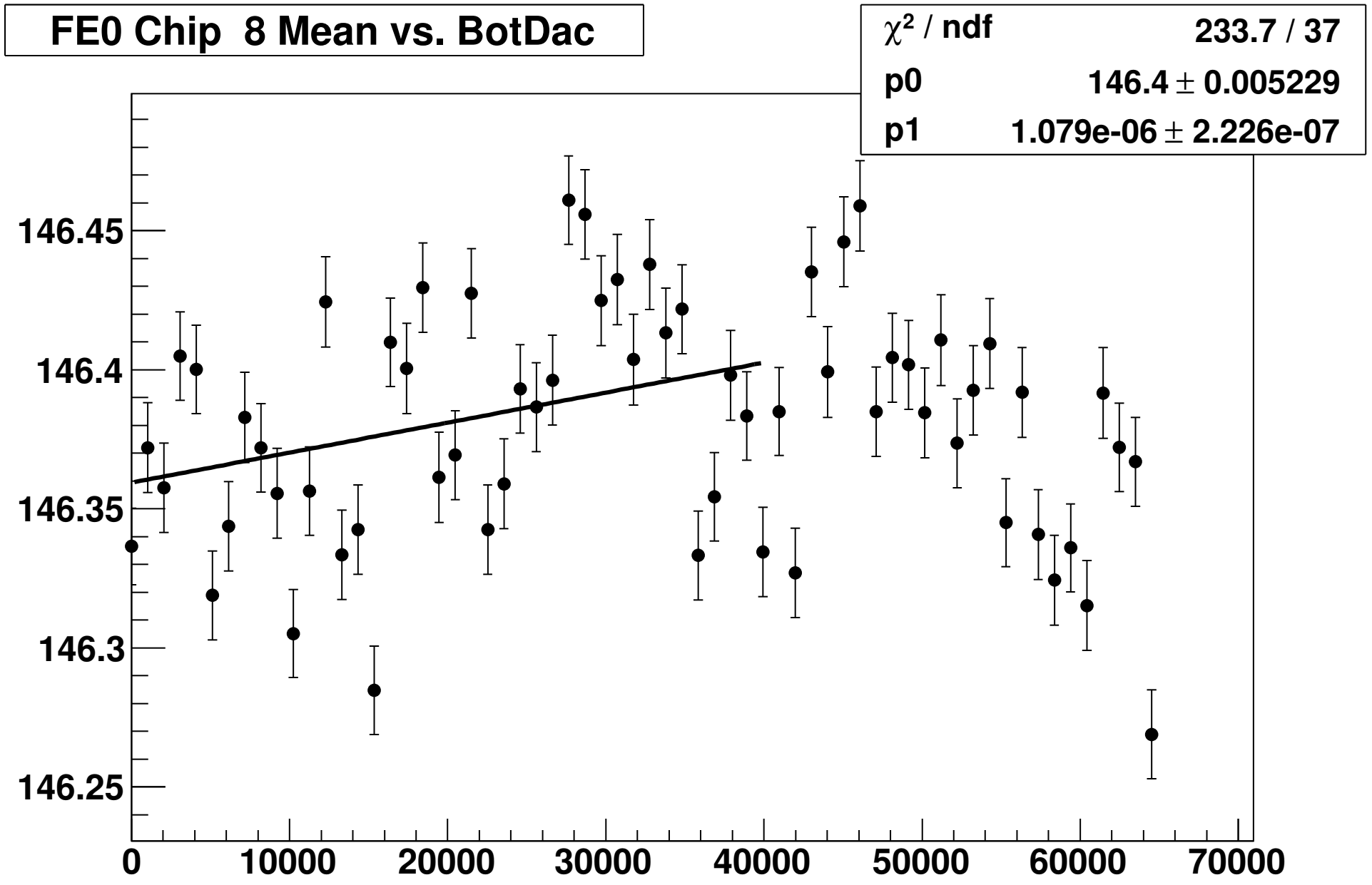
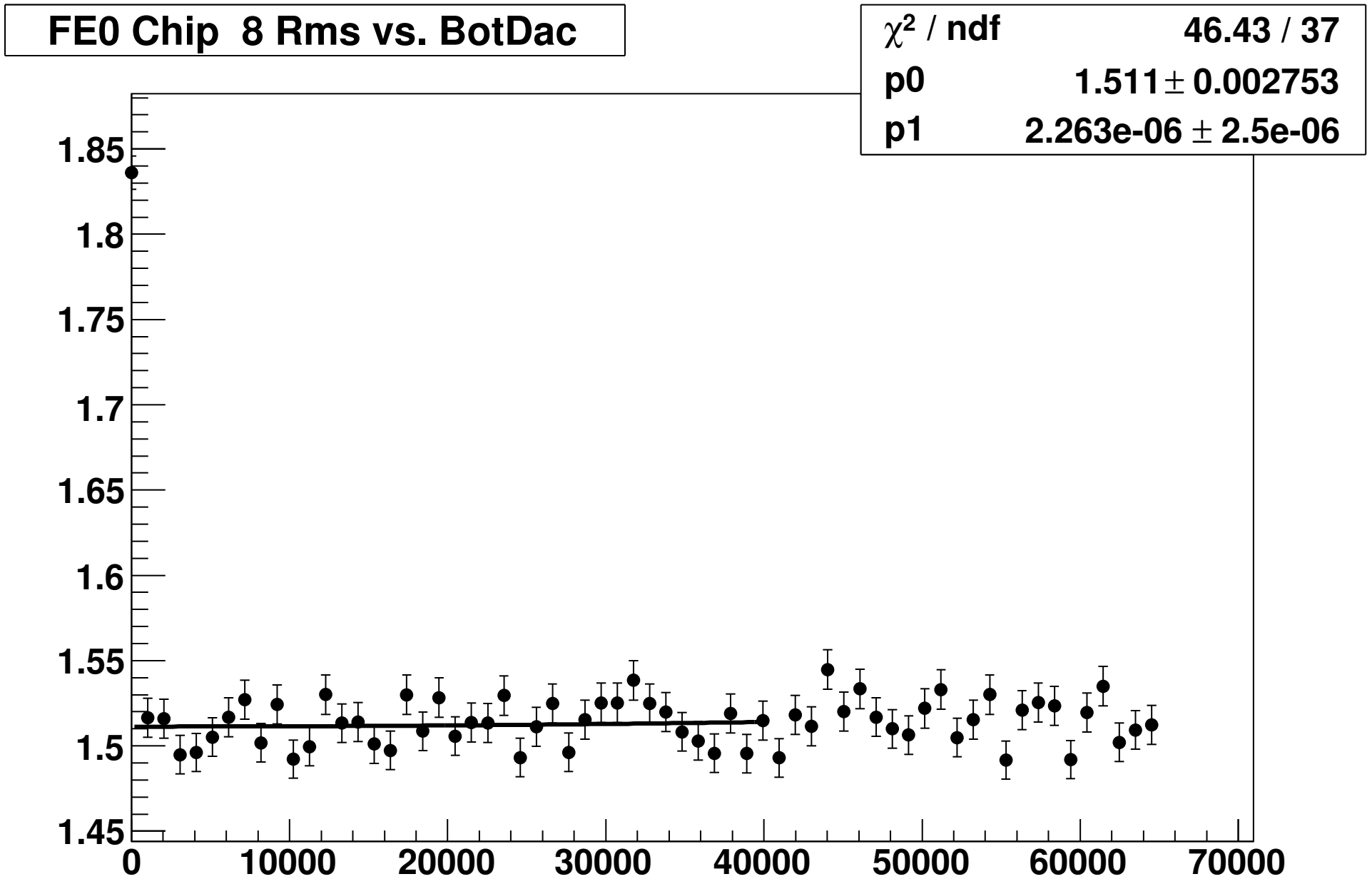
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 233.7 / 37
p0 146.4 ± 0.005229
p1 1.079e-06 ± 2.226e-07
146.45
146.4
146.35
146.3
146.25
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 46.43 / 37
p0 1.511 ± 0.002753
p1 2.263e-06 ± 2.5e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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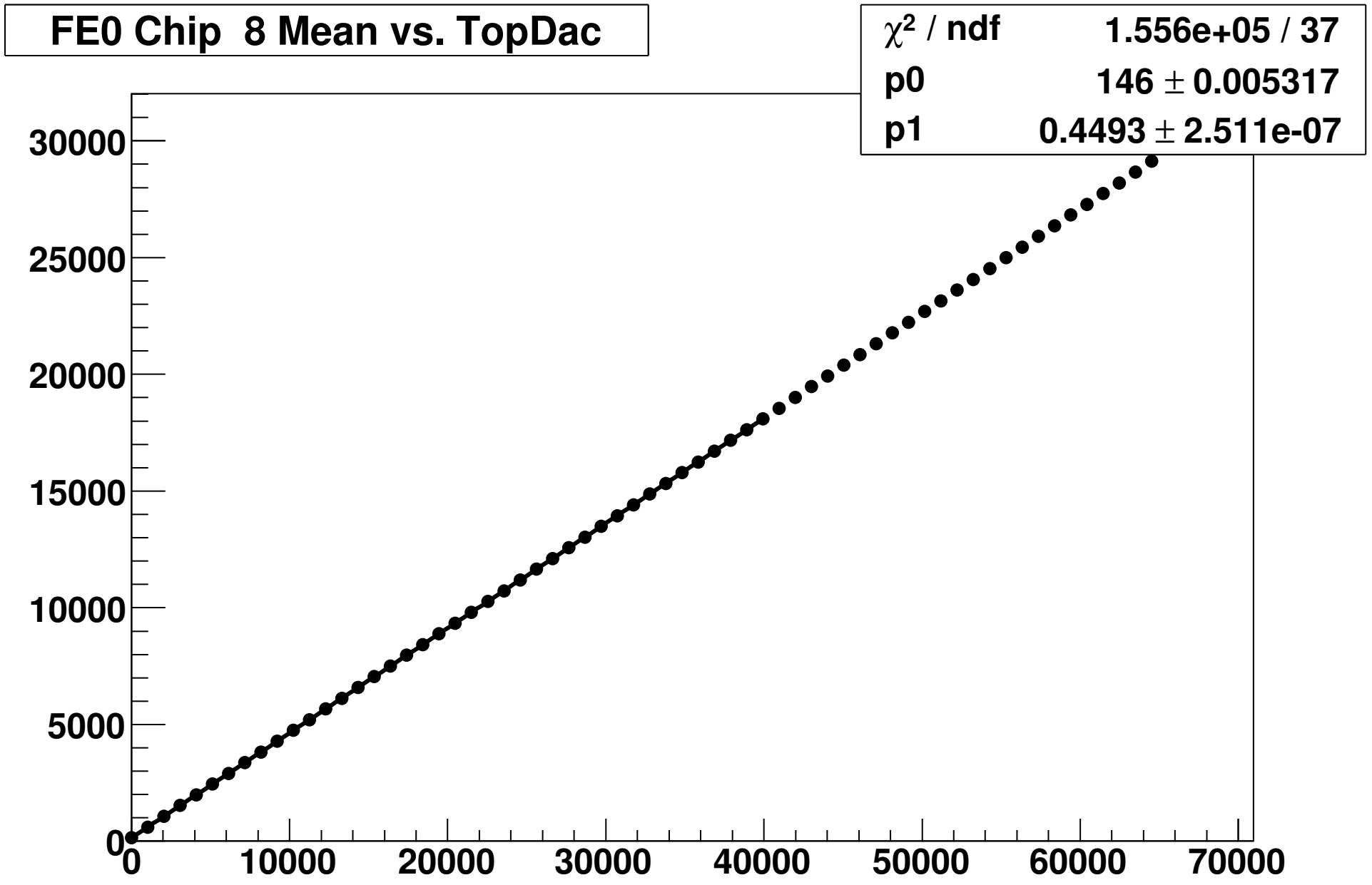
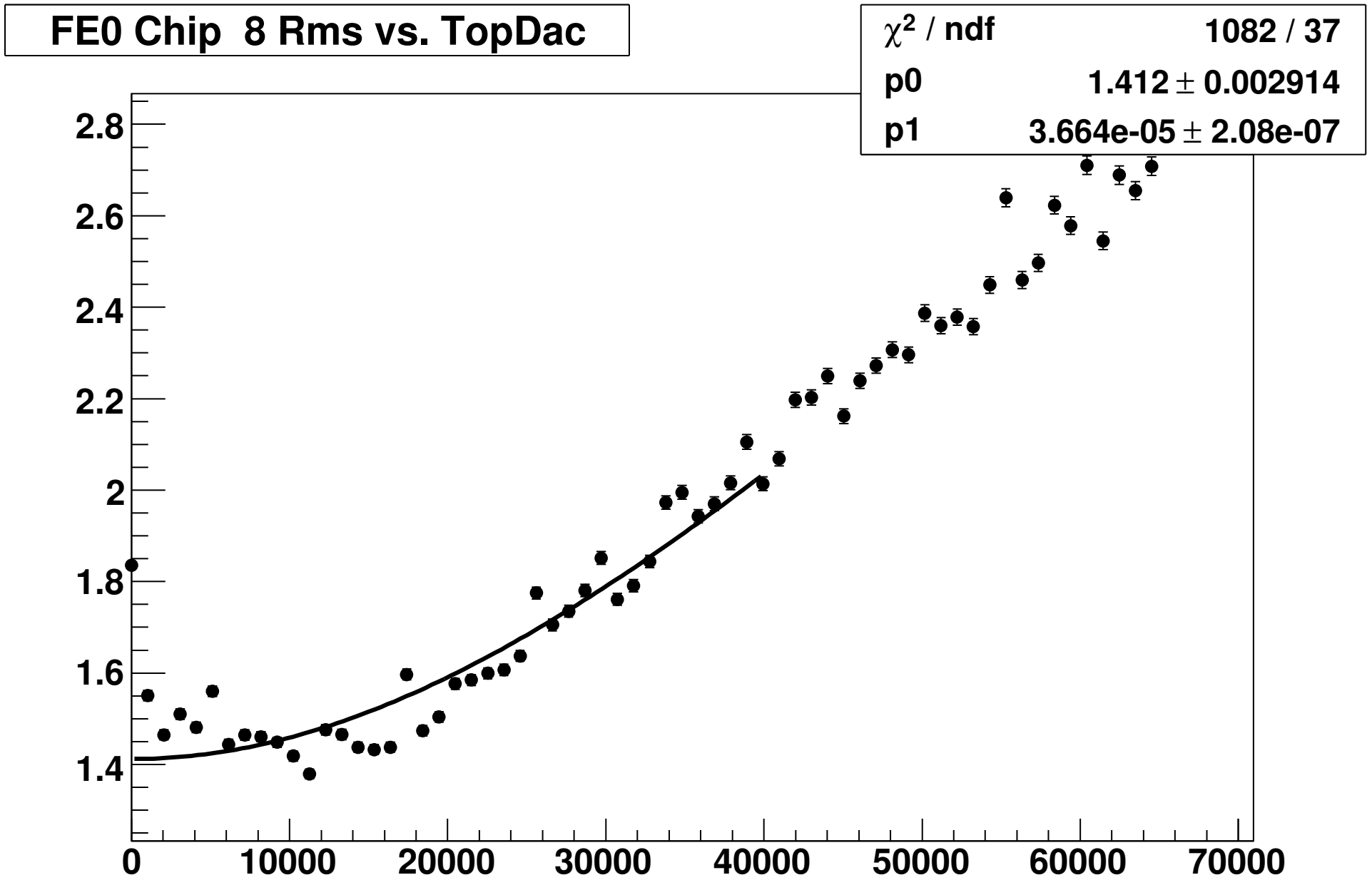

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.556e+05 / 37
p0 146 ± 0.005317
p1 0.4493 ± 2.511e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 1082 / 37
p0 1.412 ± 0.002914
p1 3.664e-05 ± 2.08e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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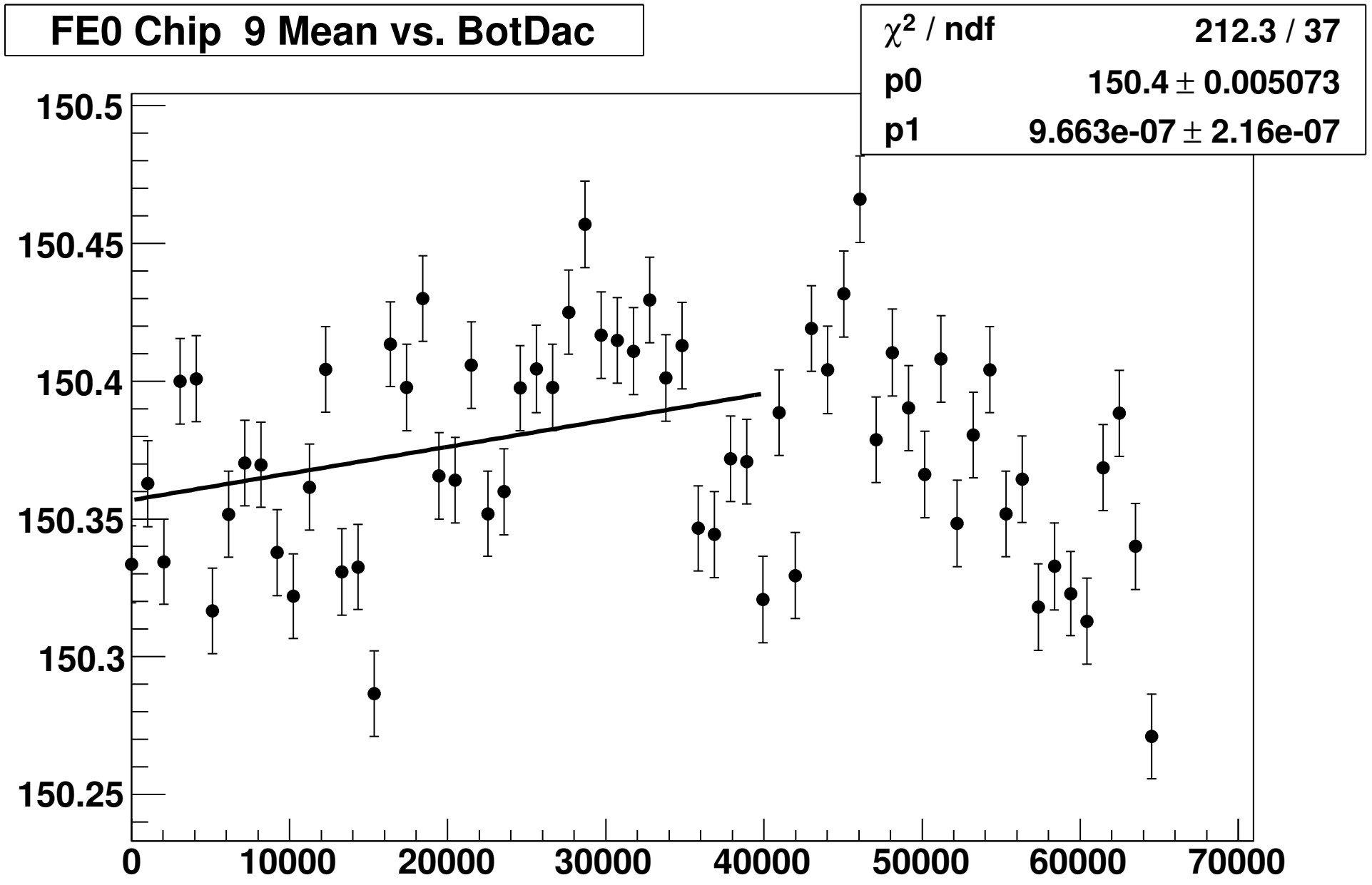
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 212.3 / 37
p0 150.4 ± 0.005073
p1 9.663e-07 ± 2.16e-07
150.5
150.45
150.4
150.35
150.3
150.25
0
10000
20000
30000
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60000
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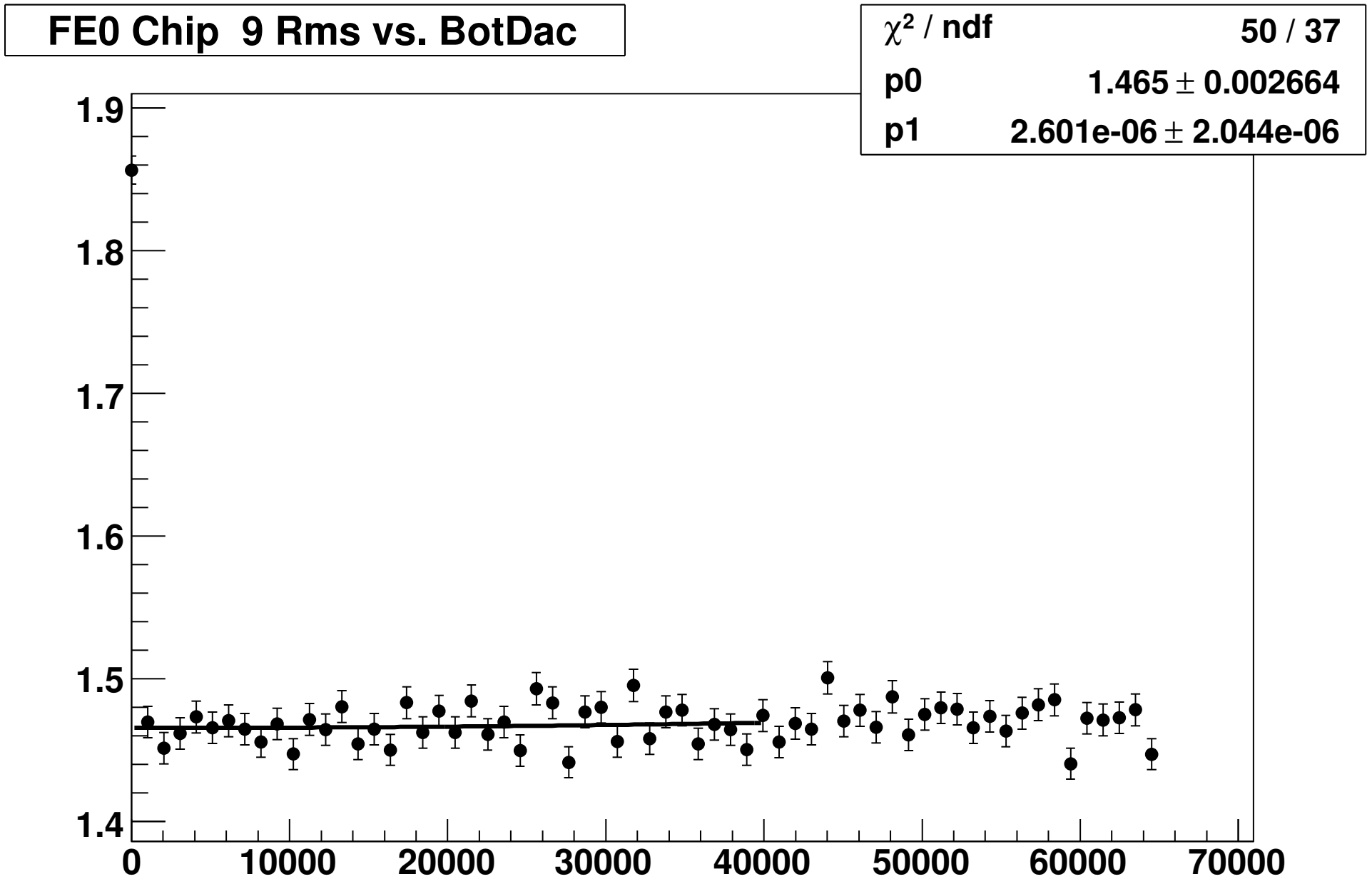
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 50 / 37
p0 1.465 ± 0.002664
p1 2.601e-06 ± 2.044e-06
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
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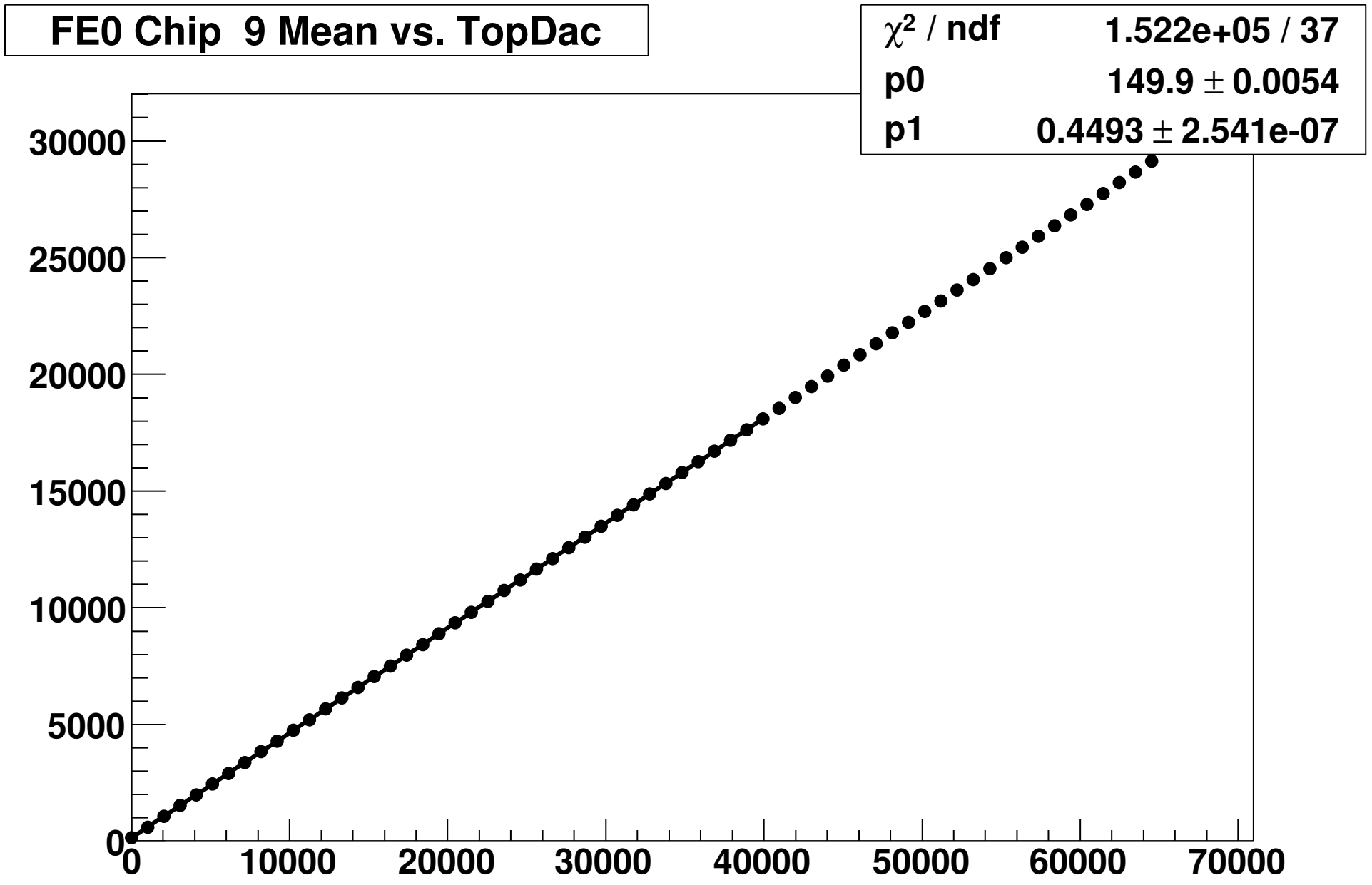
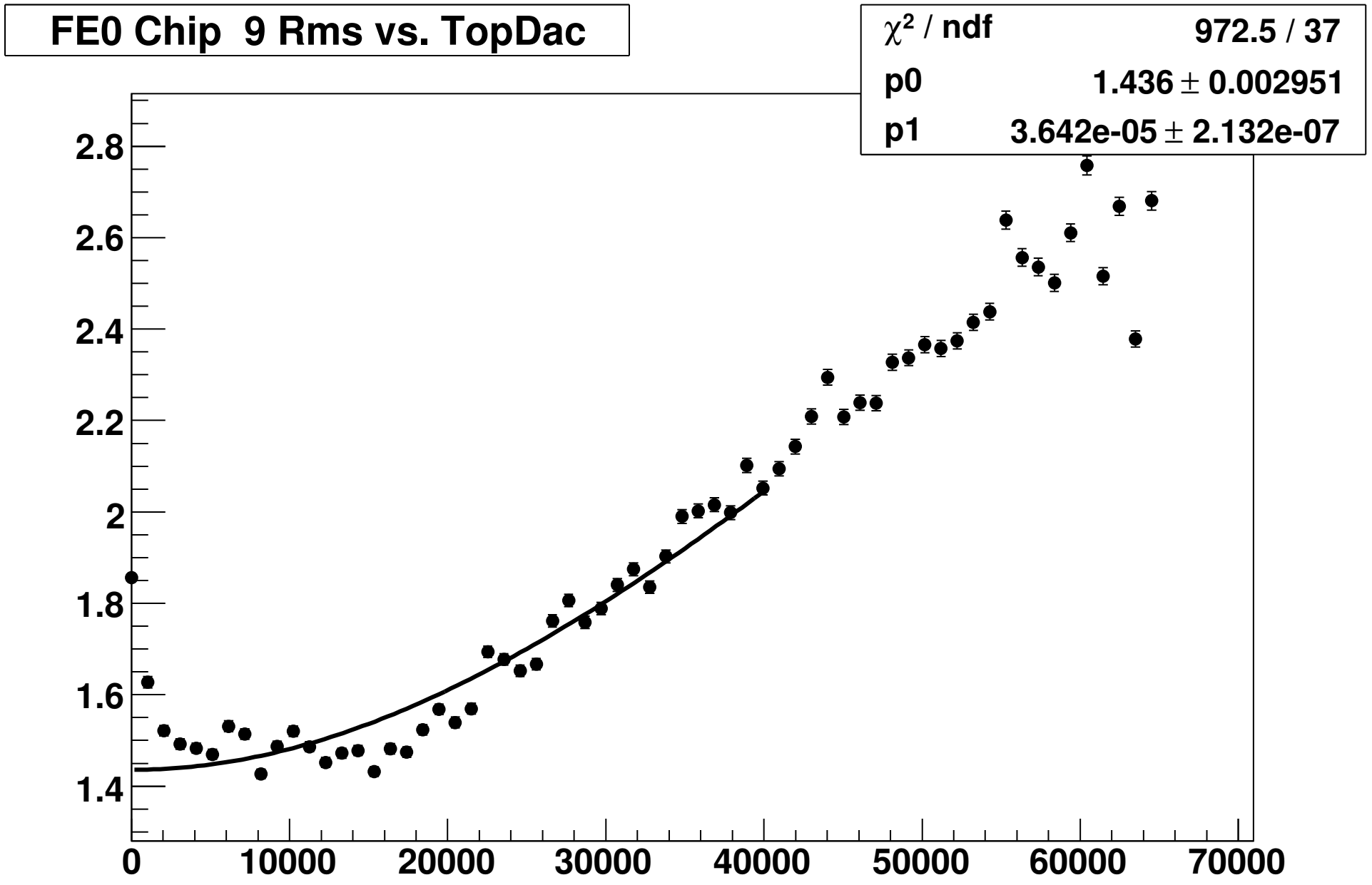

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.522e+05 / 37
p0 149.9 ± 0.0054
p1 0.4493 ± 2.541e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 972.5 / 37
p0 1.436 ± 0.002951
p1 3.642e-05 ± 2.132e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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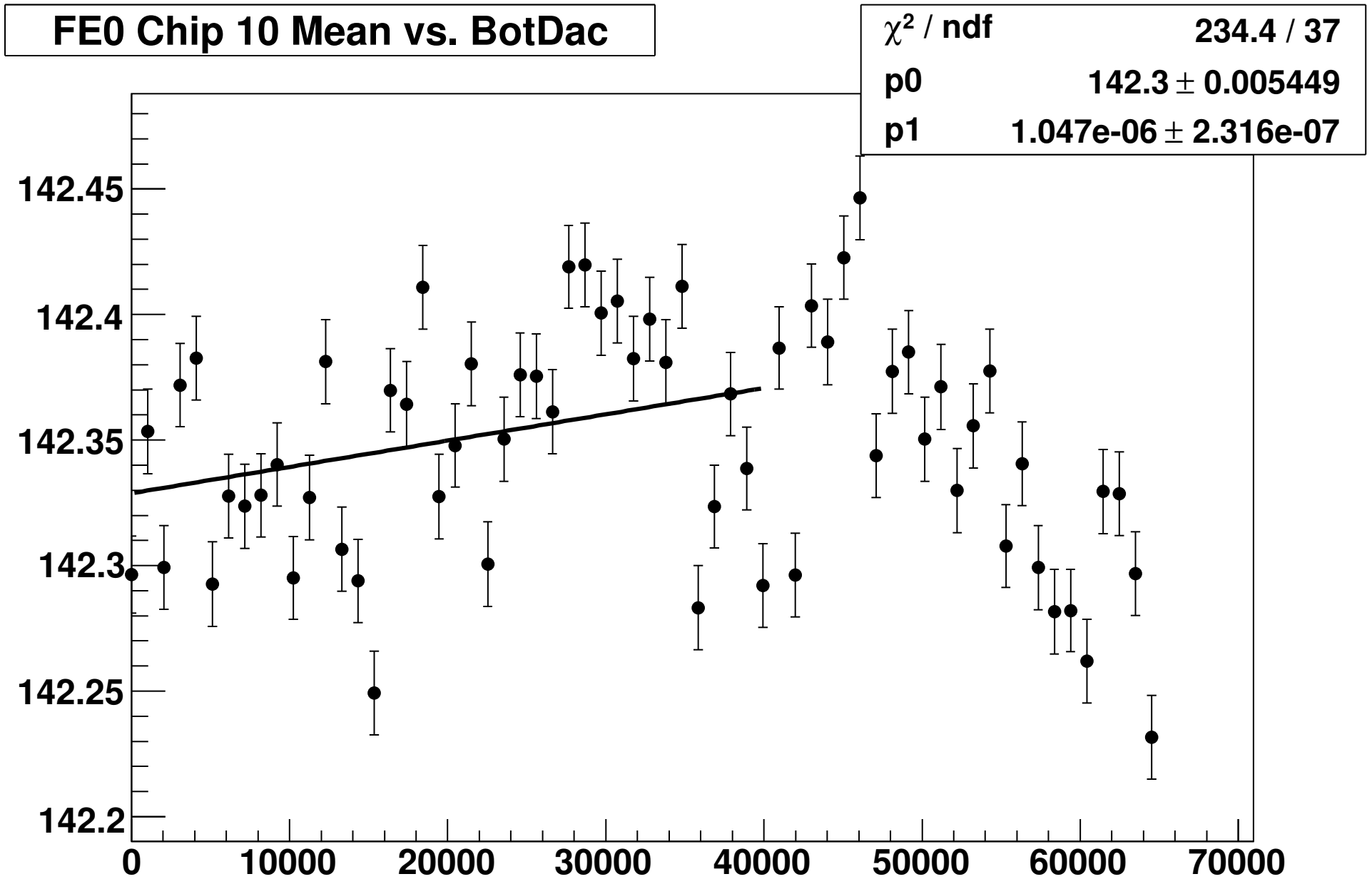
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 234.4 / 37
p0 142.3 ± 0.005449
p1 1.047e-06 ± 2.316e-07
142.45
142.4
142.35
142.3
142.25
142.2
0
10000
20000
30000
40000
50000
60000
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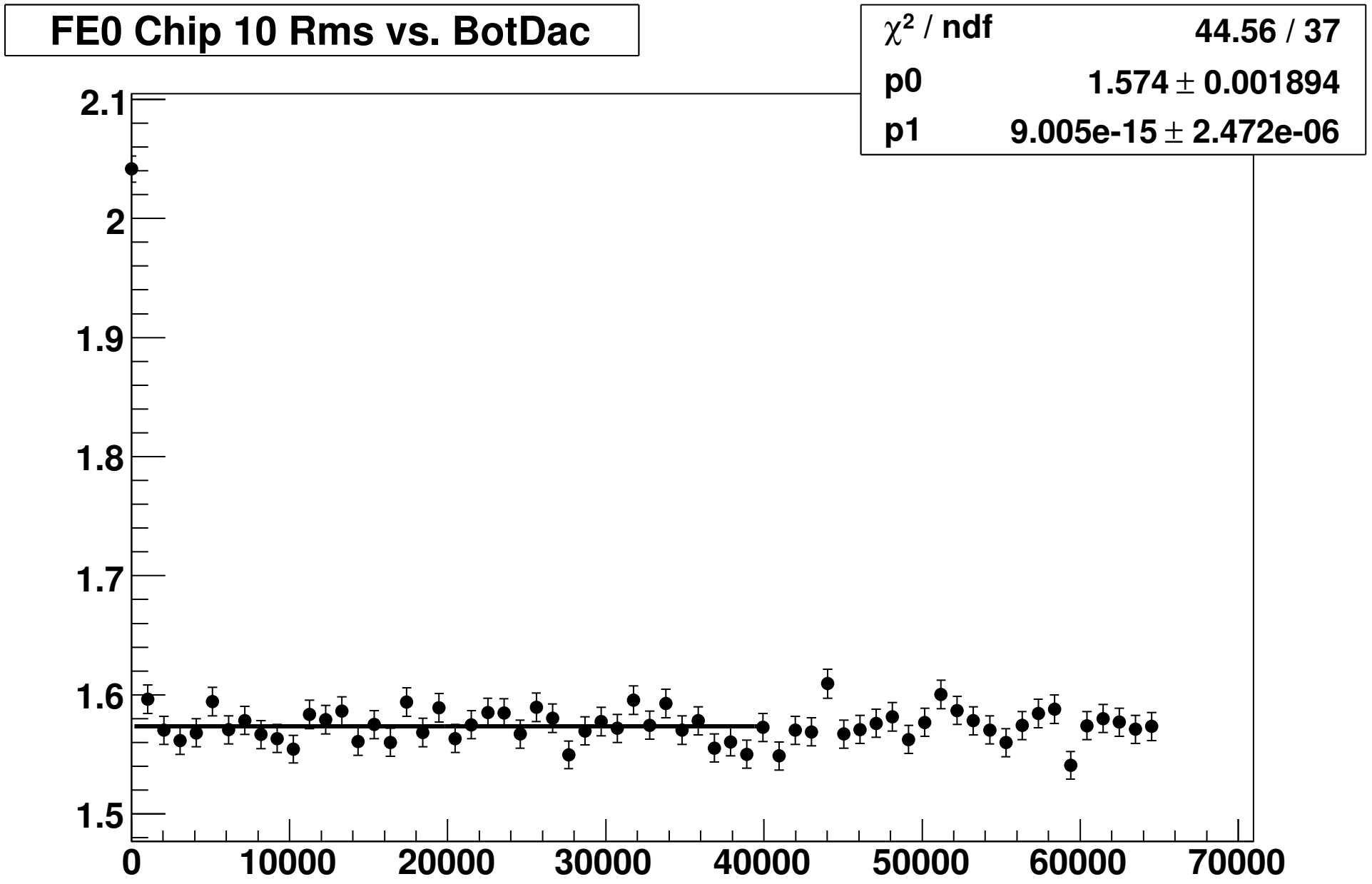
FE0 Chip 10 Rms vs. BotDac
χ² / ndf 44.56 / 37
p0 1.574 ± 0.001894
p1 9.005e-15 ± 2.472e-06
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
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50000
60000
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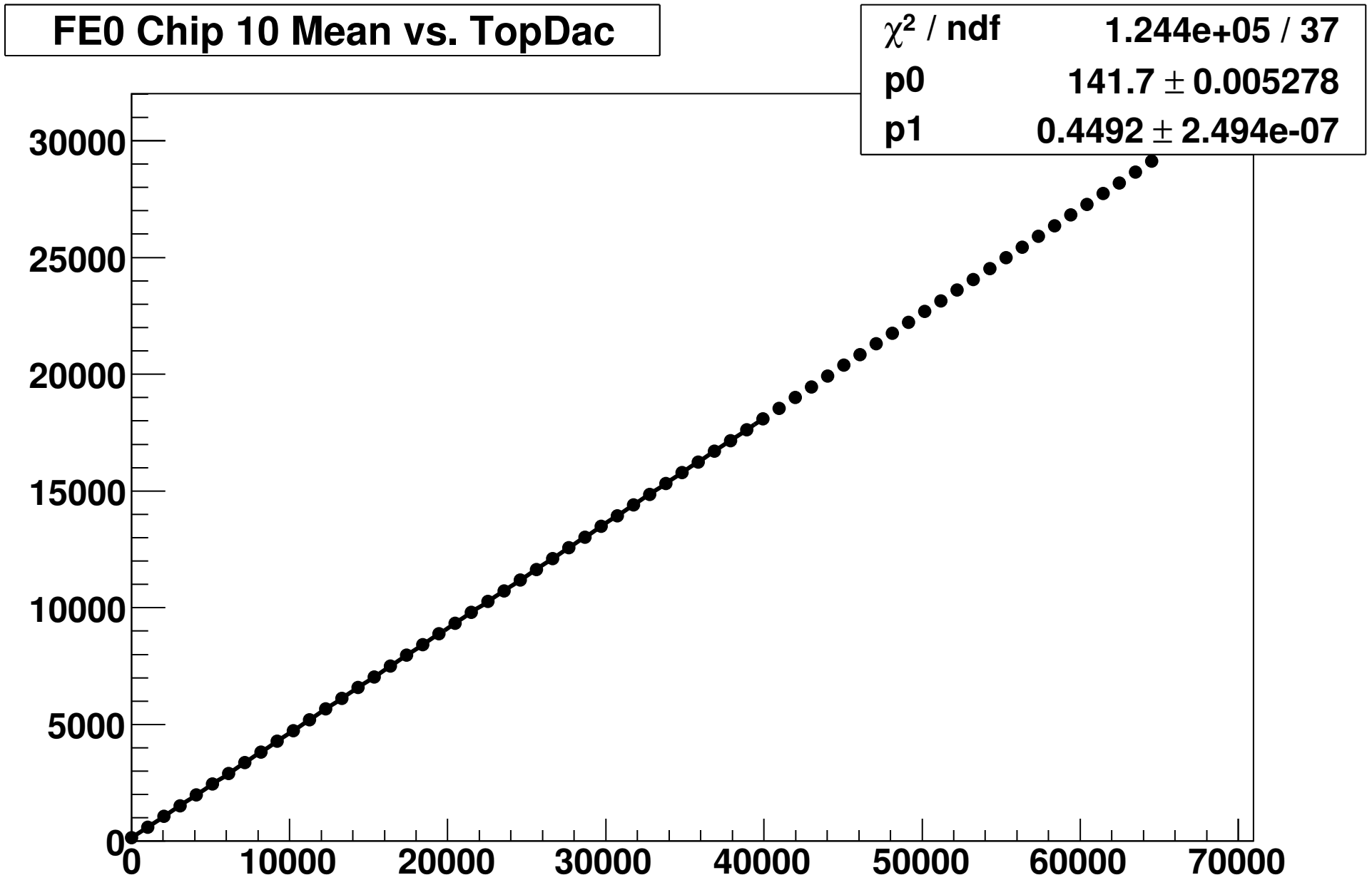
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.244e+05 / 37
p0 141.7 ± 0.005278
p1 0.4492 ± 2.494e-07
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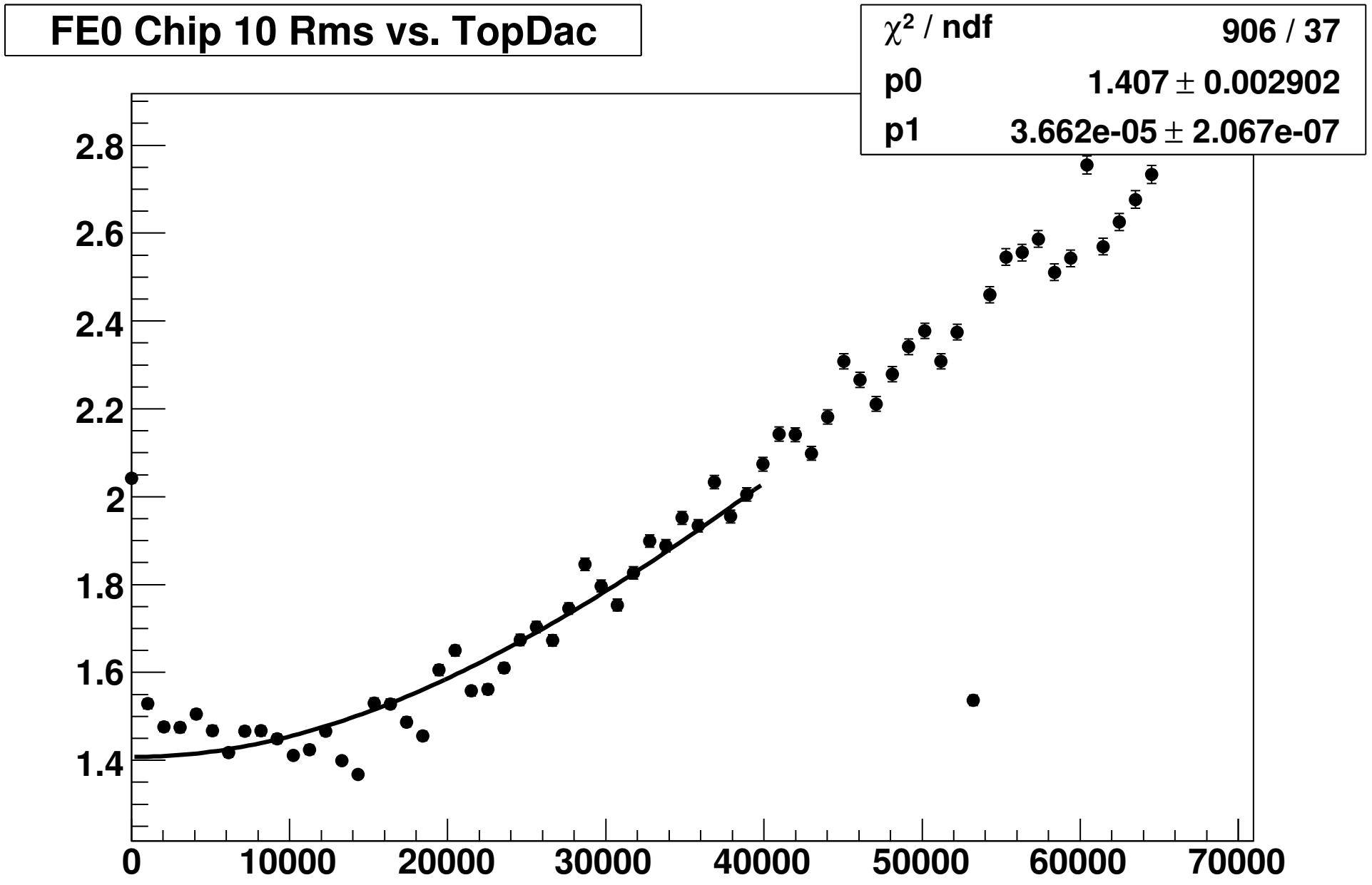
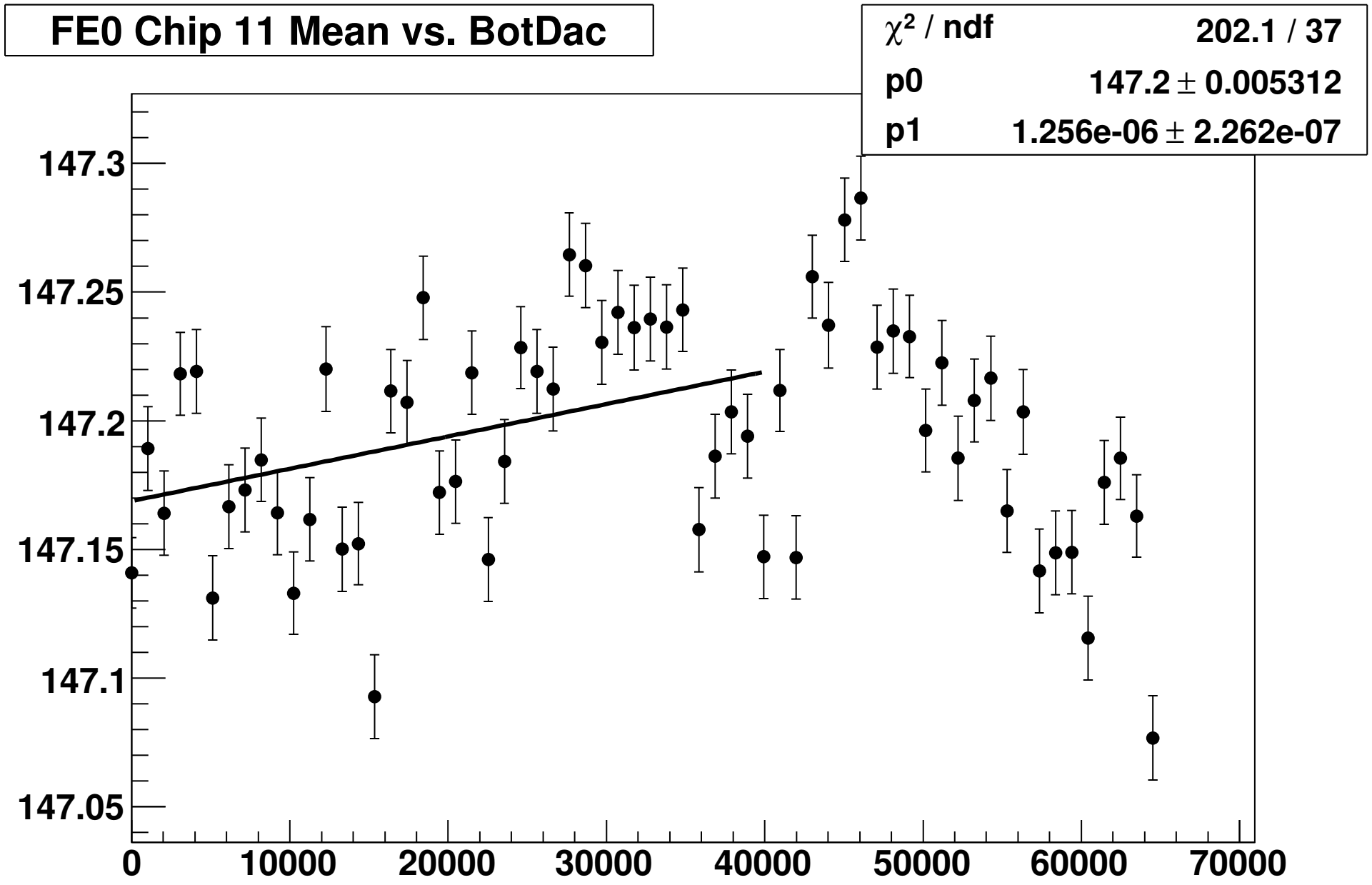
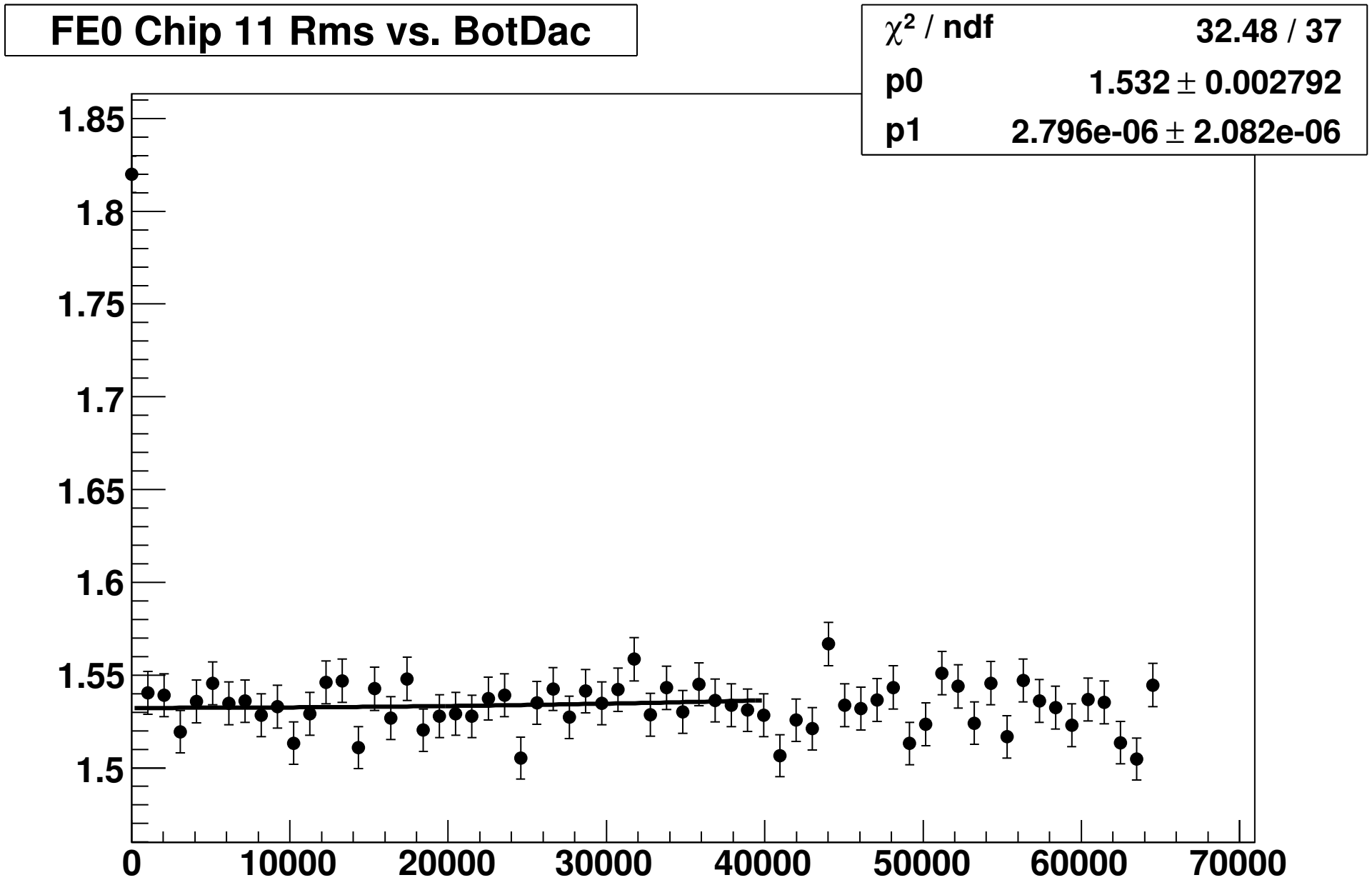
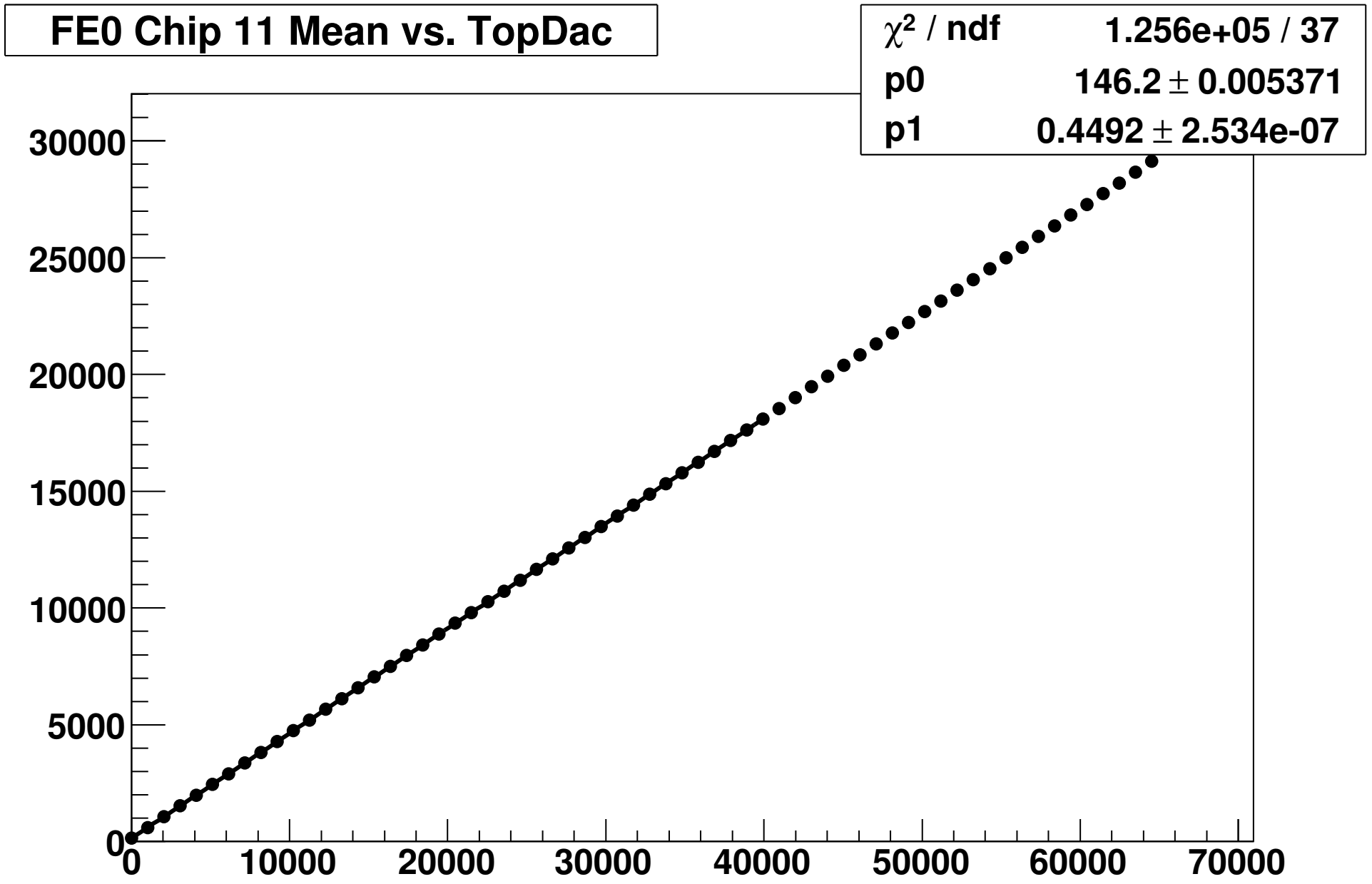
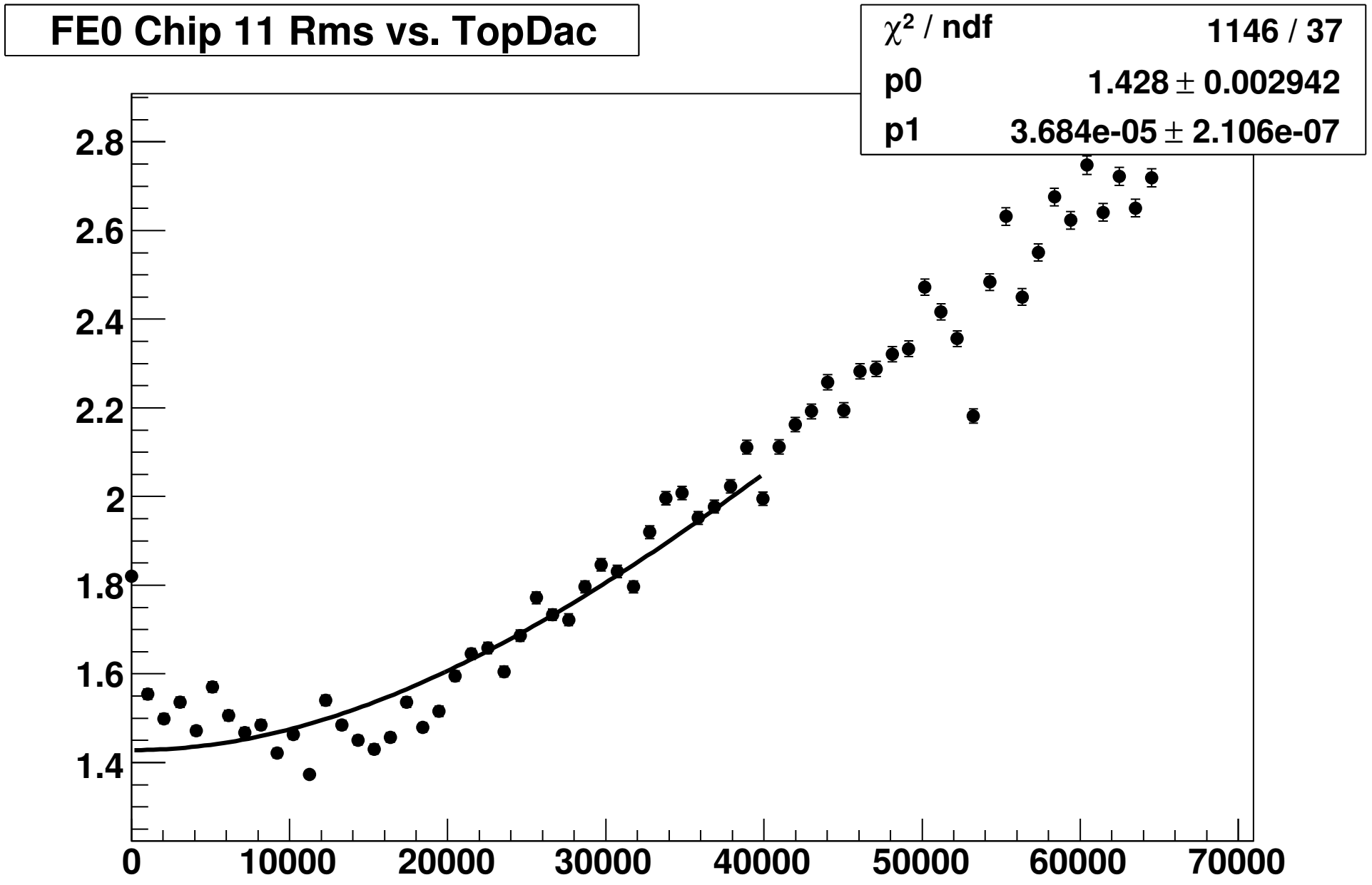
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

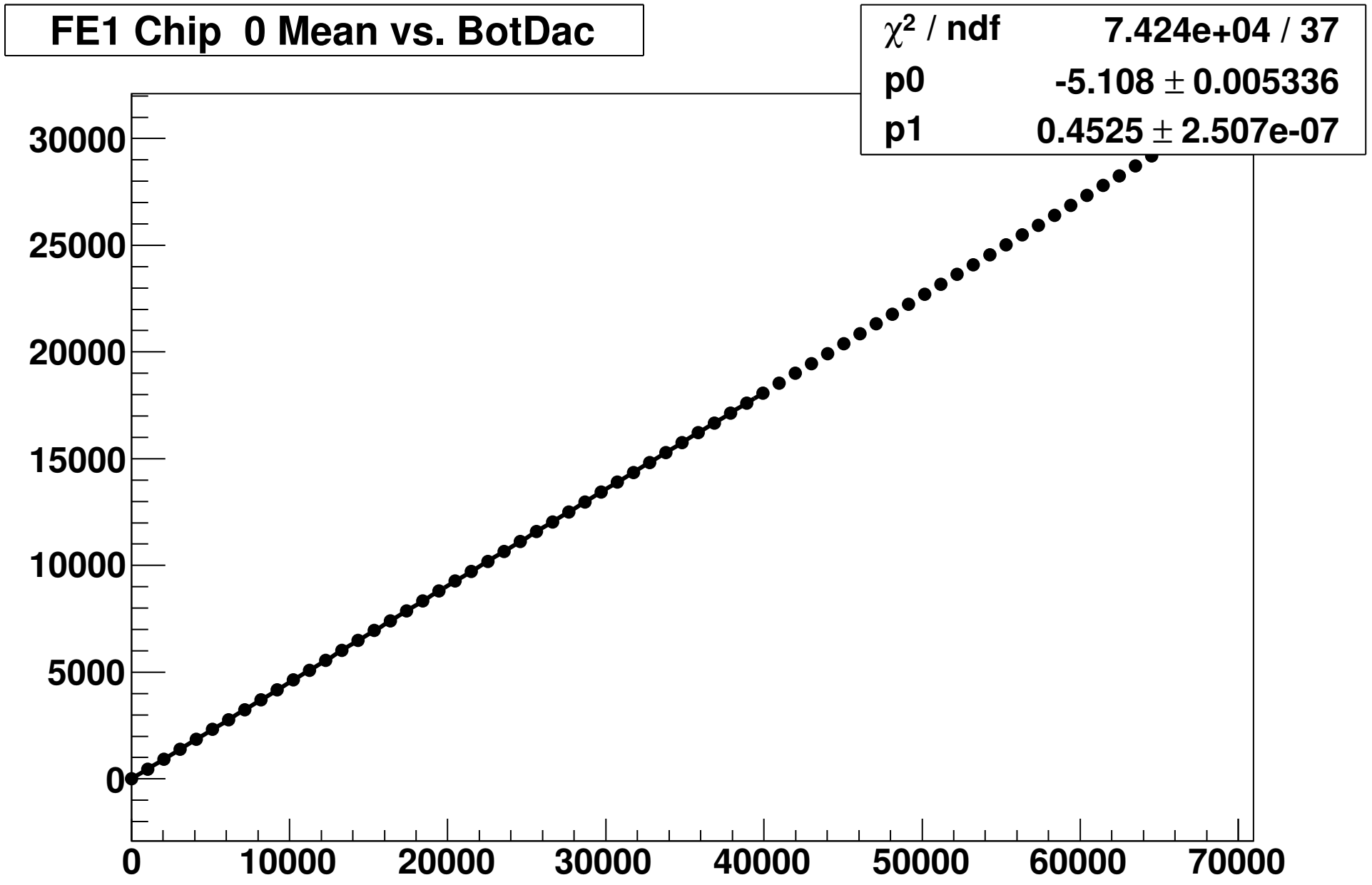

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 906 / 37
p0 1.407 ± 0.002902
p1 3.662e-05 ± 2.067e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

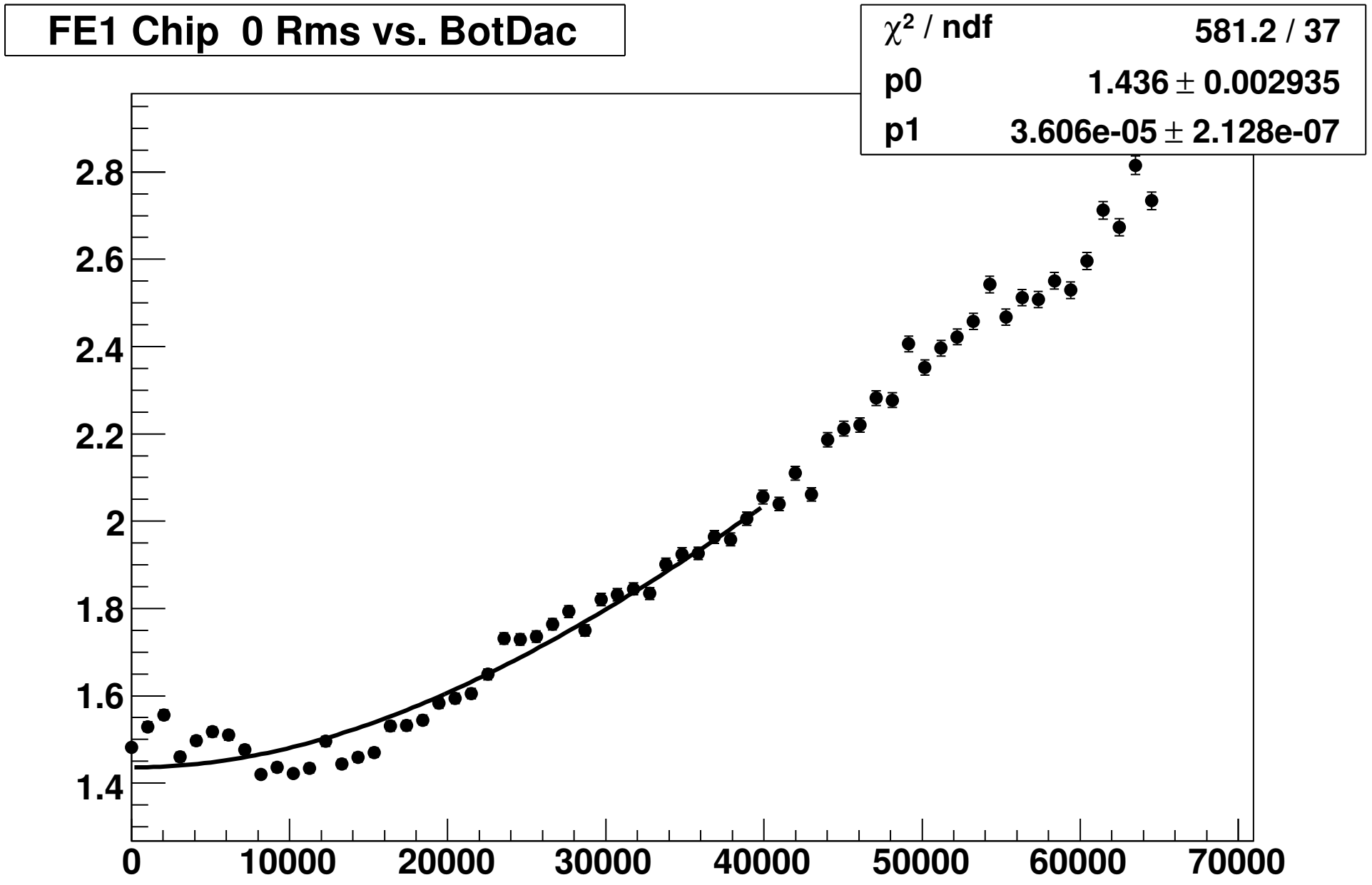

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 202.1 / 37
p0 147.2 ± 0.005312
p1 1.256e-06 ± 2.262e-07
147.3
147.25
147.2
147.15
147.1
147.05
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 32.48 / 37
p0 1.532 ± 0.002792
p1 2.796e-06 ± 2.082e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.256e+05 / 37
p0 146.2 ± 0.005371
p1 0.4492 ± 2.534e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 1146 / 37
p0 1.428 ± 0.002942
p1 3.684e-05 ± 2.106e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 7.424e+04 / 37
p0 -5.108 ± 0.005336
p1 0.4525 ± 2.507e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 581.2 / 37
p0 1.436 ± 0.002935
p1 3.606e-05 ± 2.128e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
50000
60000
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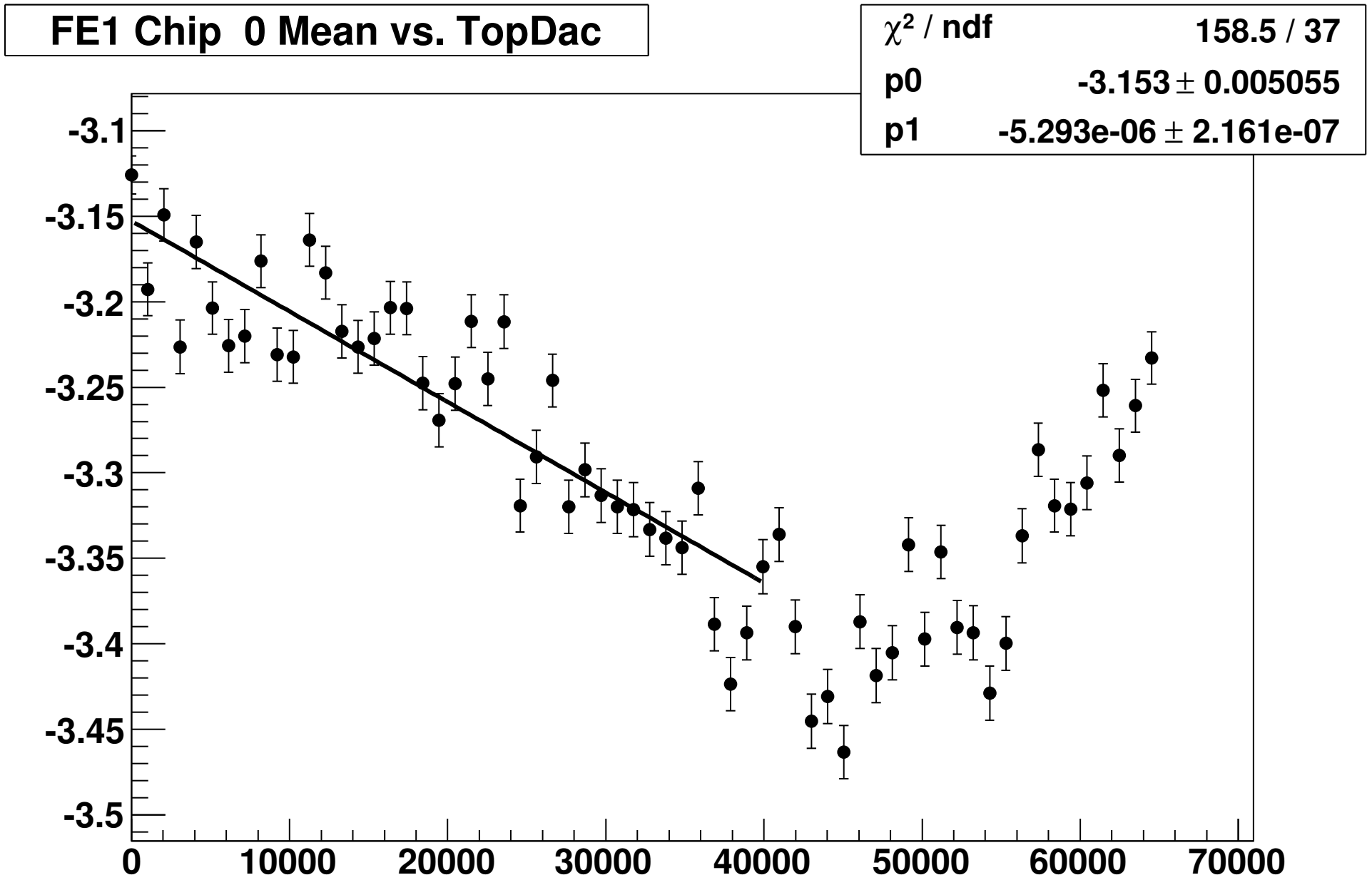
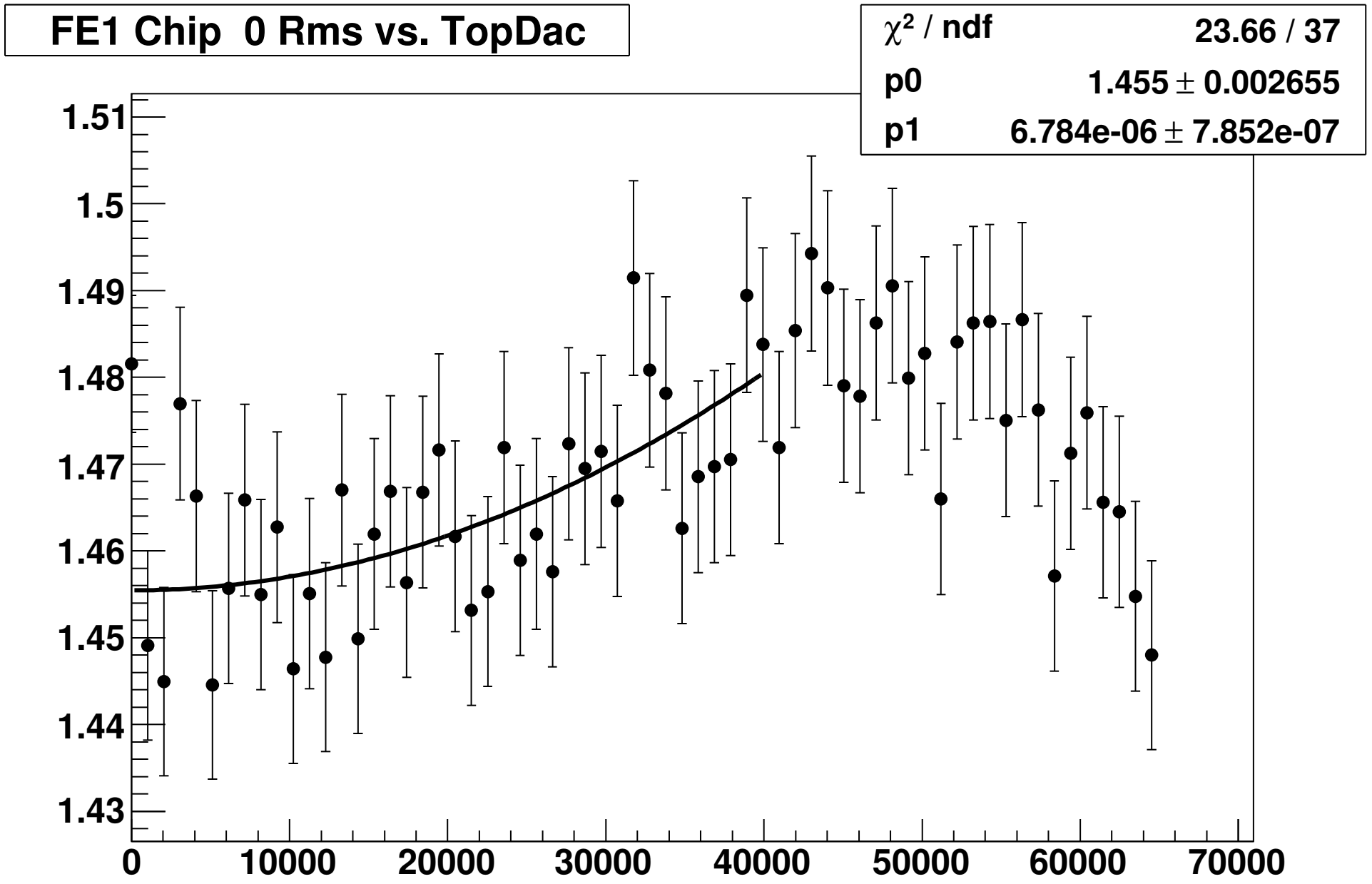
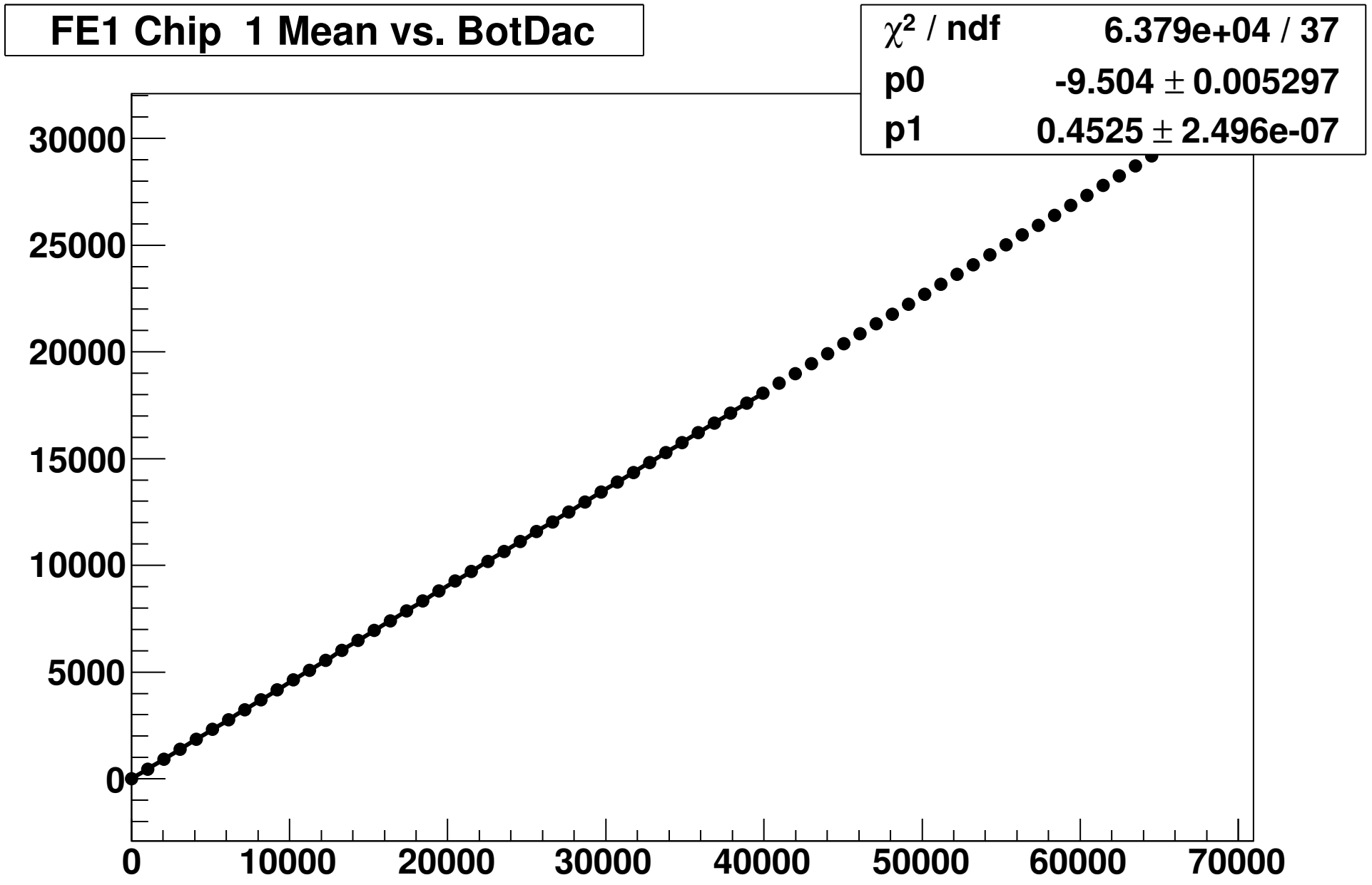
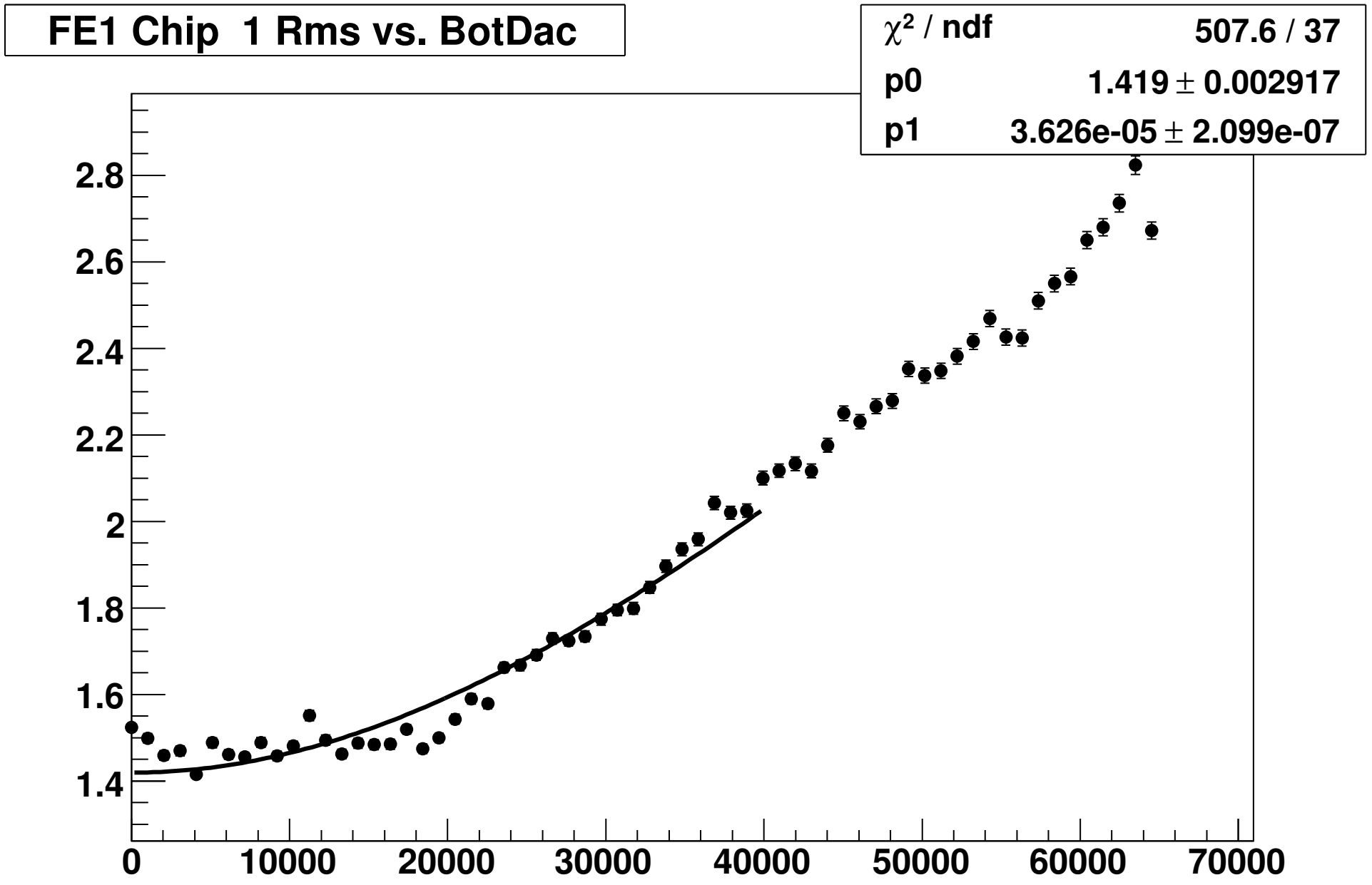
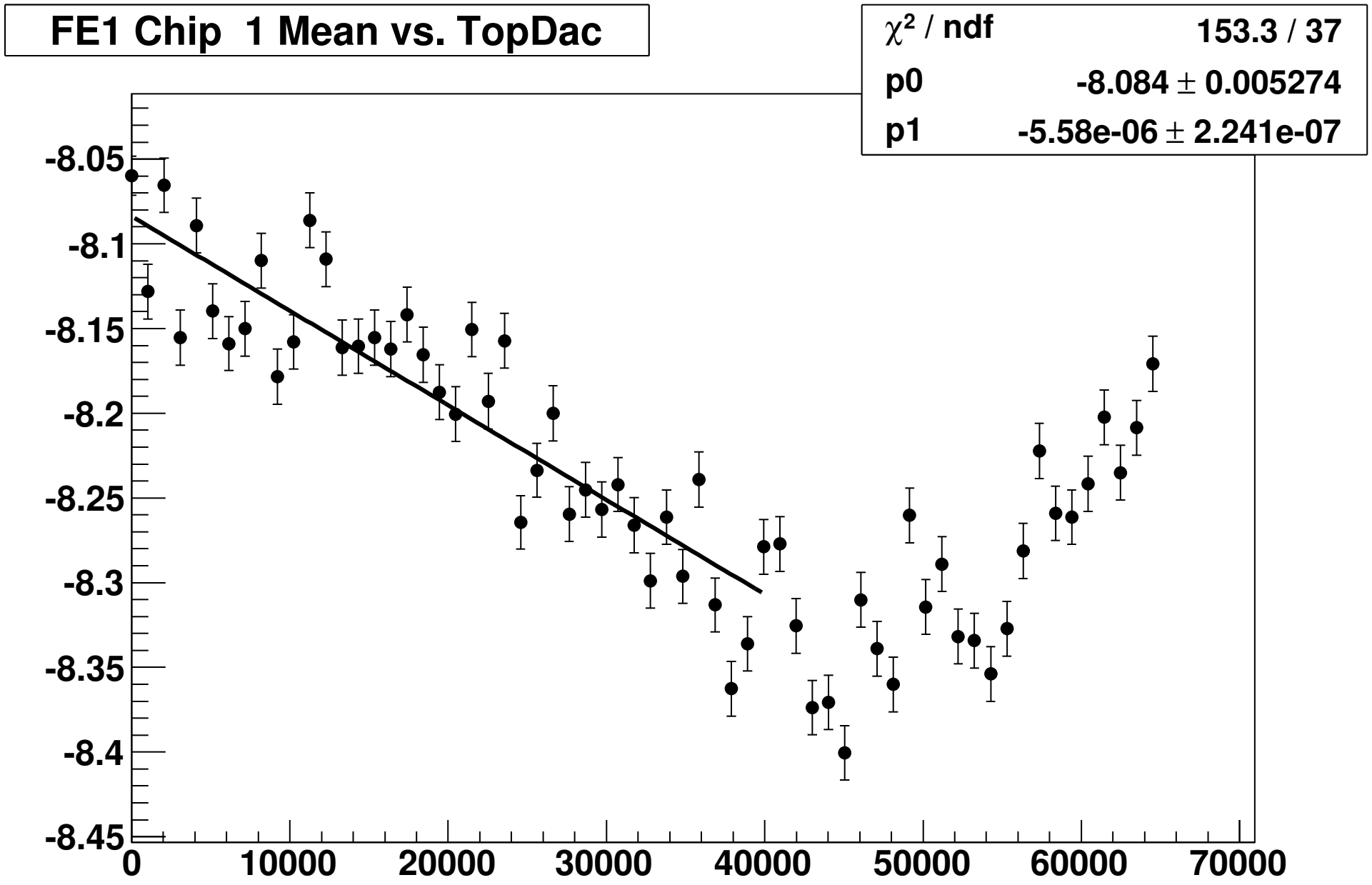
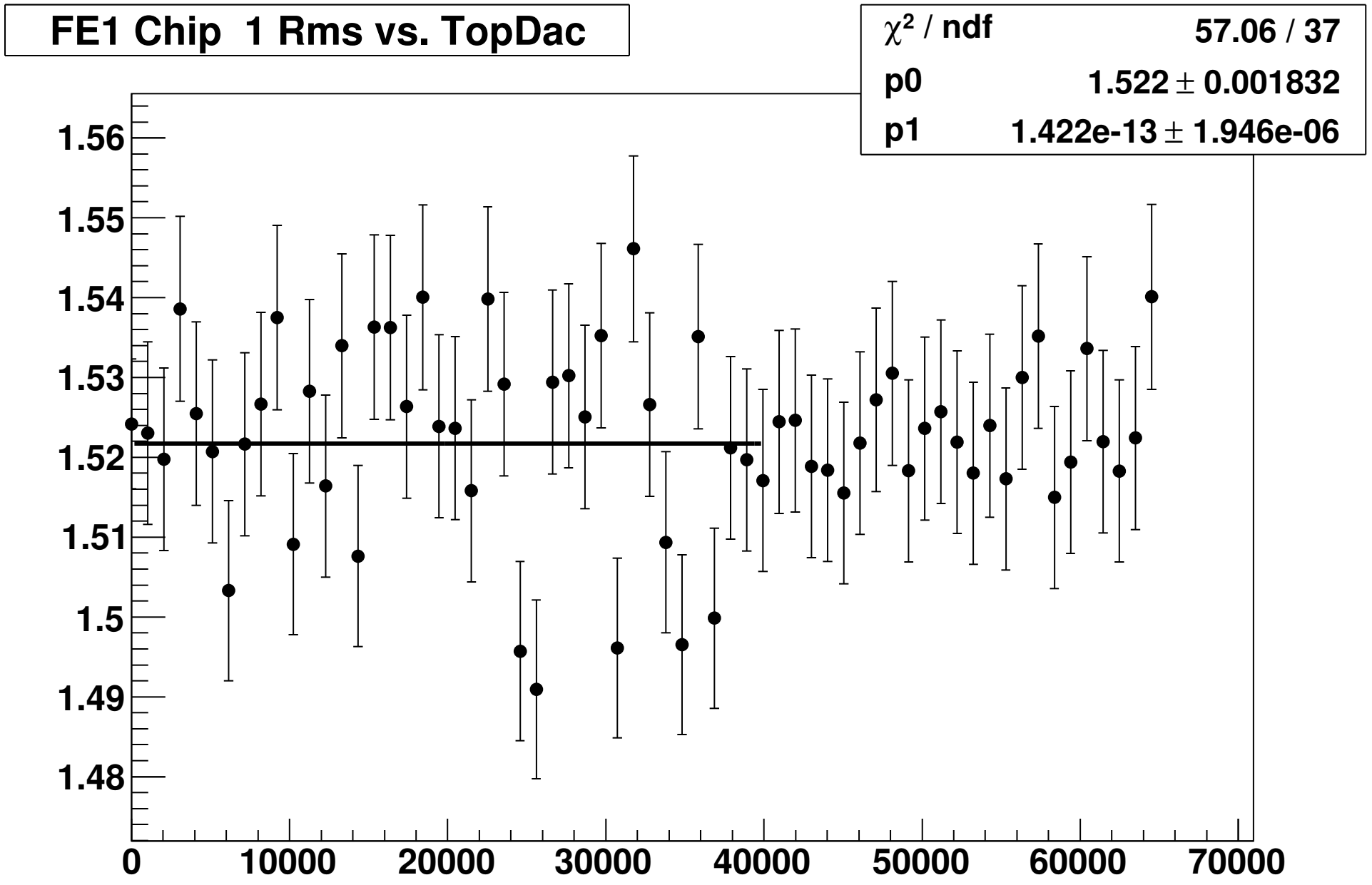

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 158.5 / 37
p0 -3.153 ± 0.005055
p1 -5.293e-06 ± 2.161e-07
-3.1
-3.15
-3.2
-3.25
-3.3
-3.35
-3.4
-3.45
-3.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 23.66 / 37
p0 1.455 ± 0.002655
p1 6.784e-06 ± 7.852e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 6.379e+04 / 37
p0 -9.504 ± 0.005297
p1 0.4525 ± 2.496e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 507.6 / 37
p0 1.419 ± 0.002917
p1 3.626e-05 ± 2.099e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 153.3 / 37
p0 -8.084 ± 0.005274
p1 -5.58e-06 ± 2.241e-07
-8.05
-8.1
-8.15
-8.2
-8.25
-8.3
-8.35
-8.4
-8.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 57.06 / 37
p0 1.522 ± 0.001832
p1 1.422e-13 ± 1.946e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
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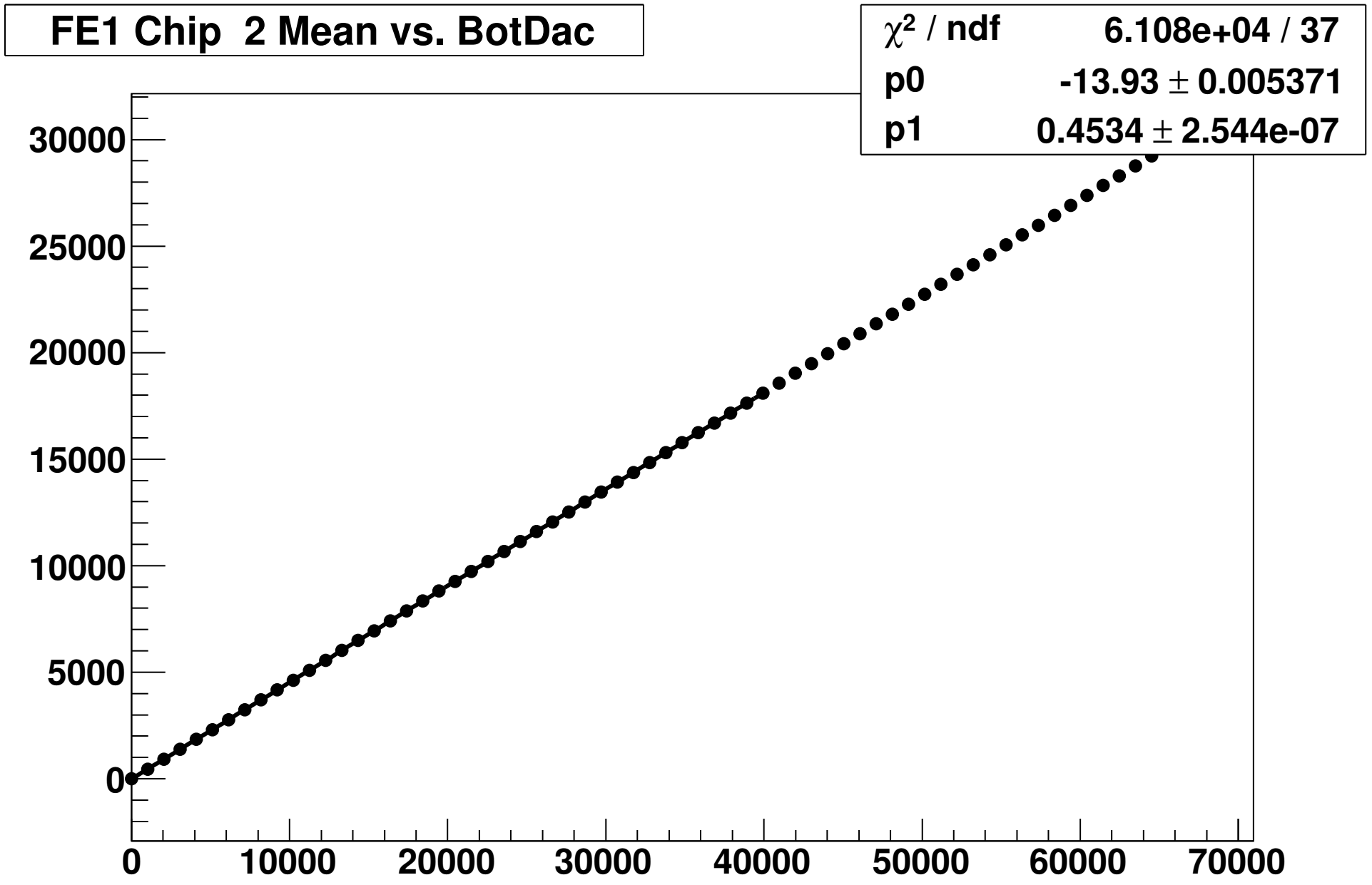
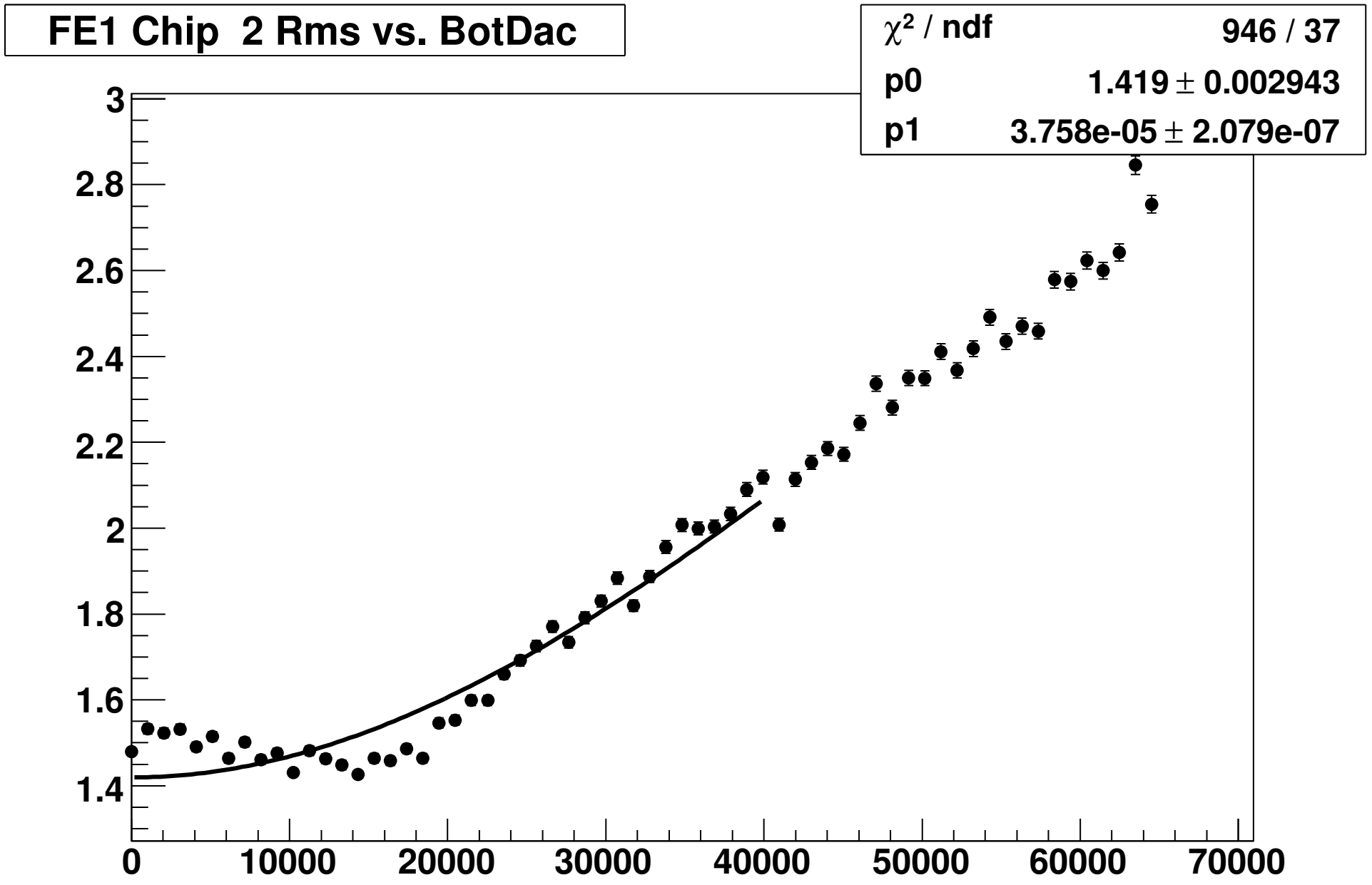

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.108e+04 / 37
p0 -13.93 ± 0.005371
p1 0.4534 ± 2.544e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 946 / 37
p0 1.419 ± 0.002943
p1 3.758e-05 ± 2.079e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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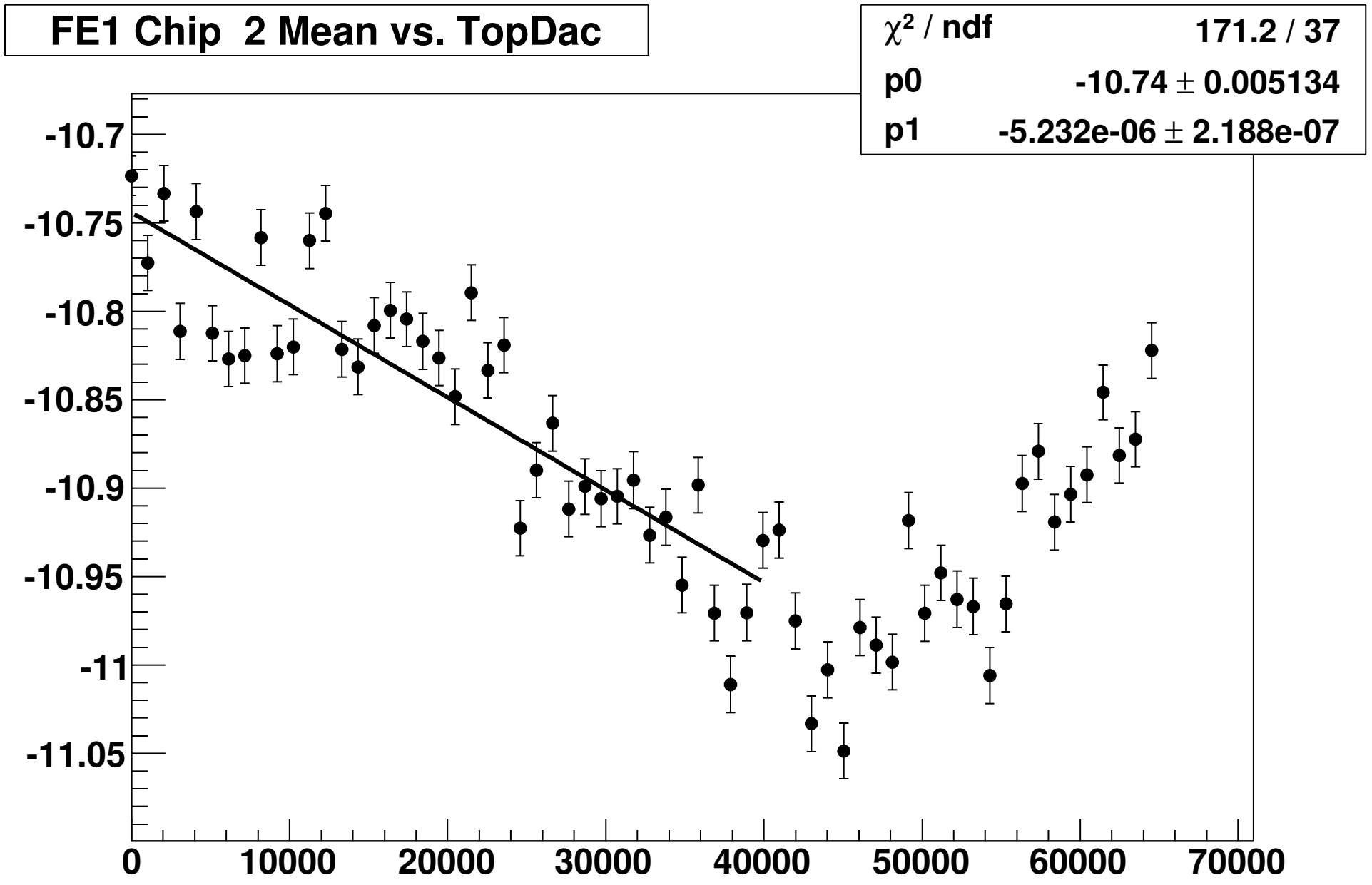
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 171.2 / 37
p0 -10.74 ± 0.005134
p1 -5.232e-06 ± 2.188e-07
-10.7
-10.75
-10.8
-10.85
-10.9
-10.95
-11
-11.05
0
10000
20000
30000
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50000
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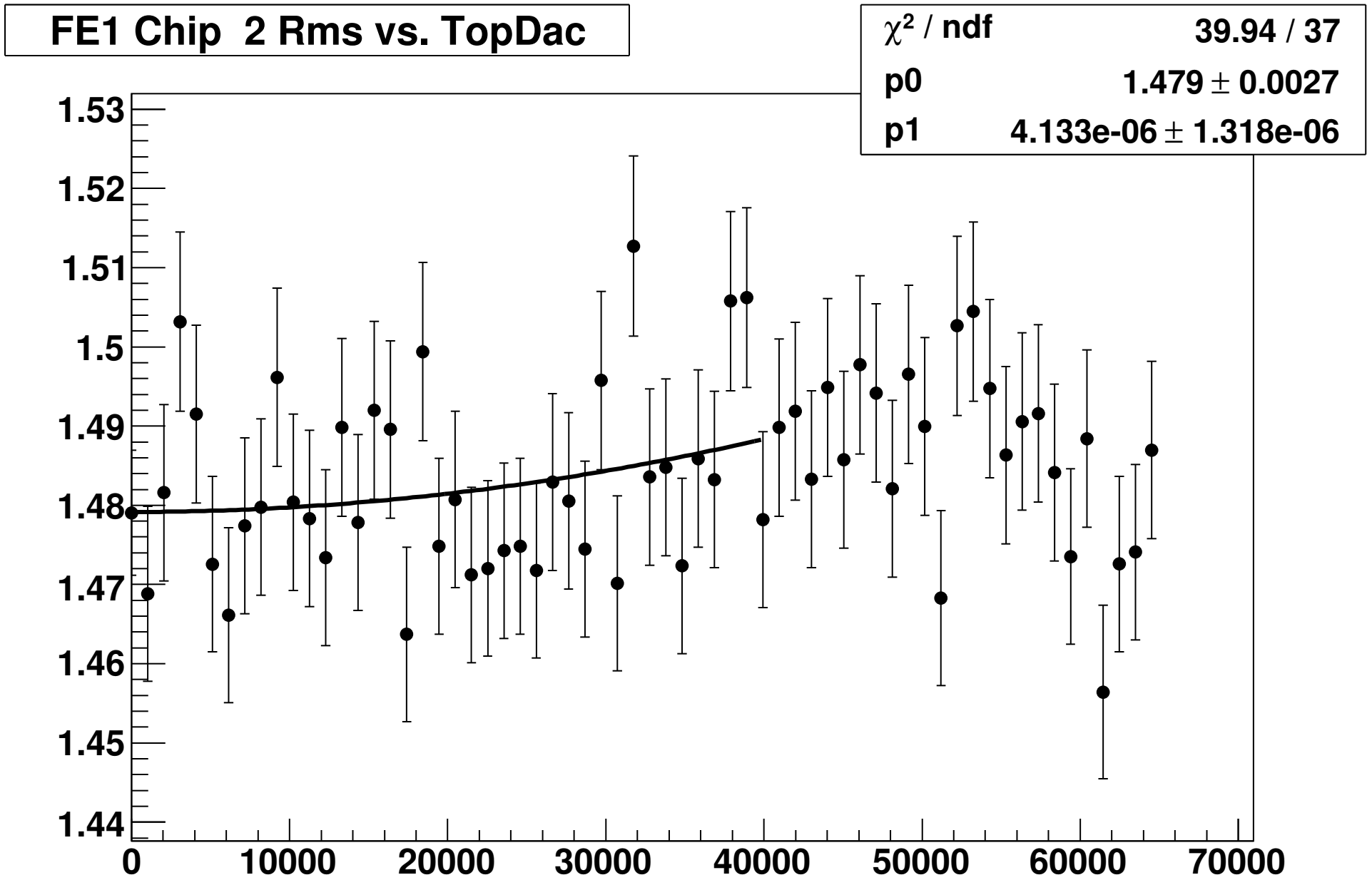
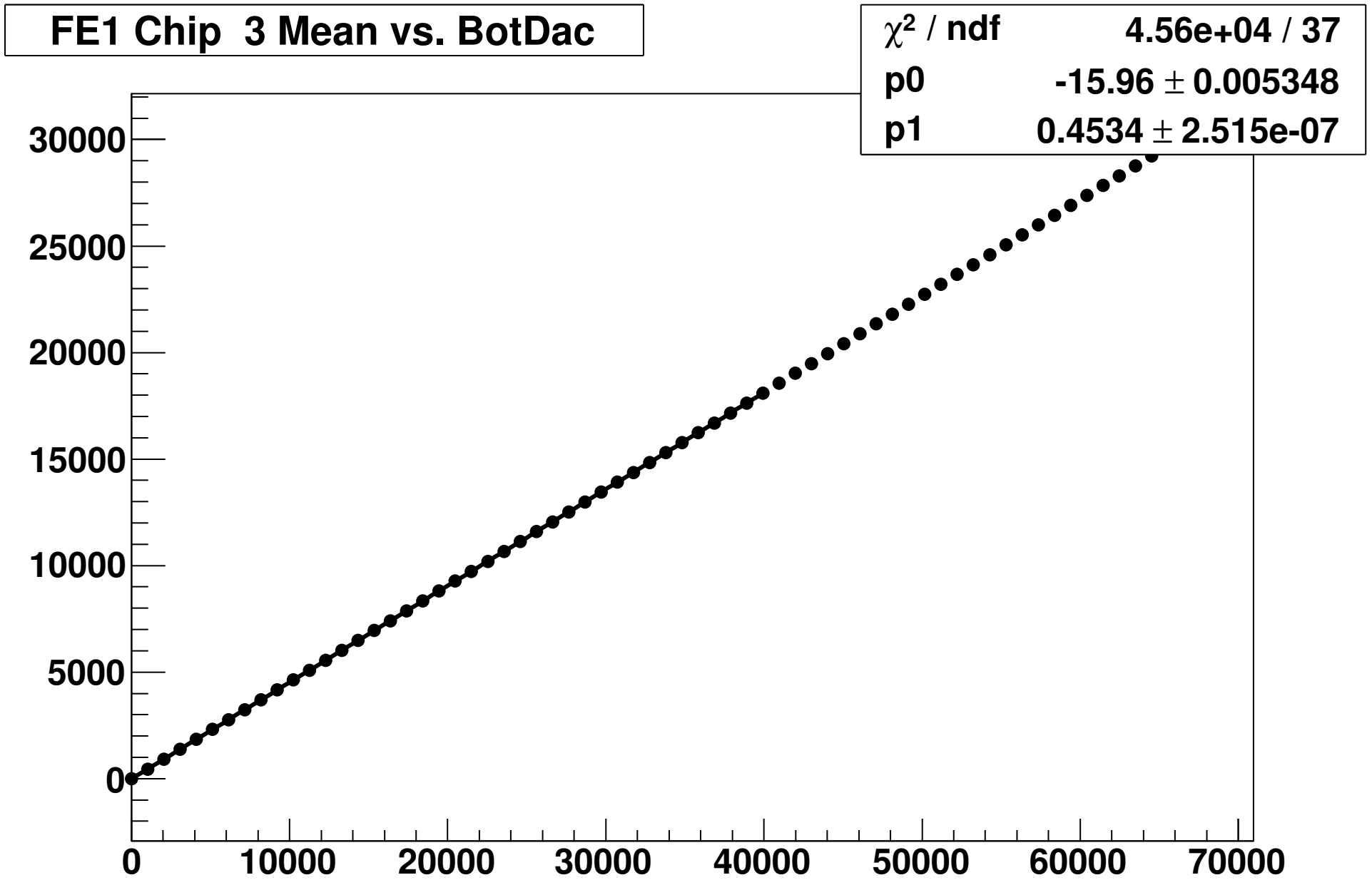
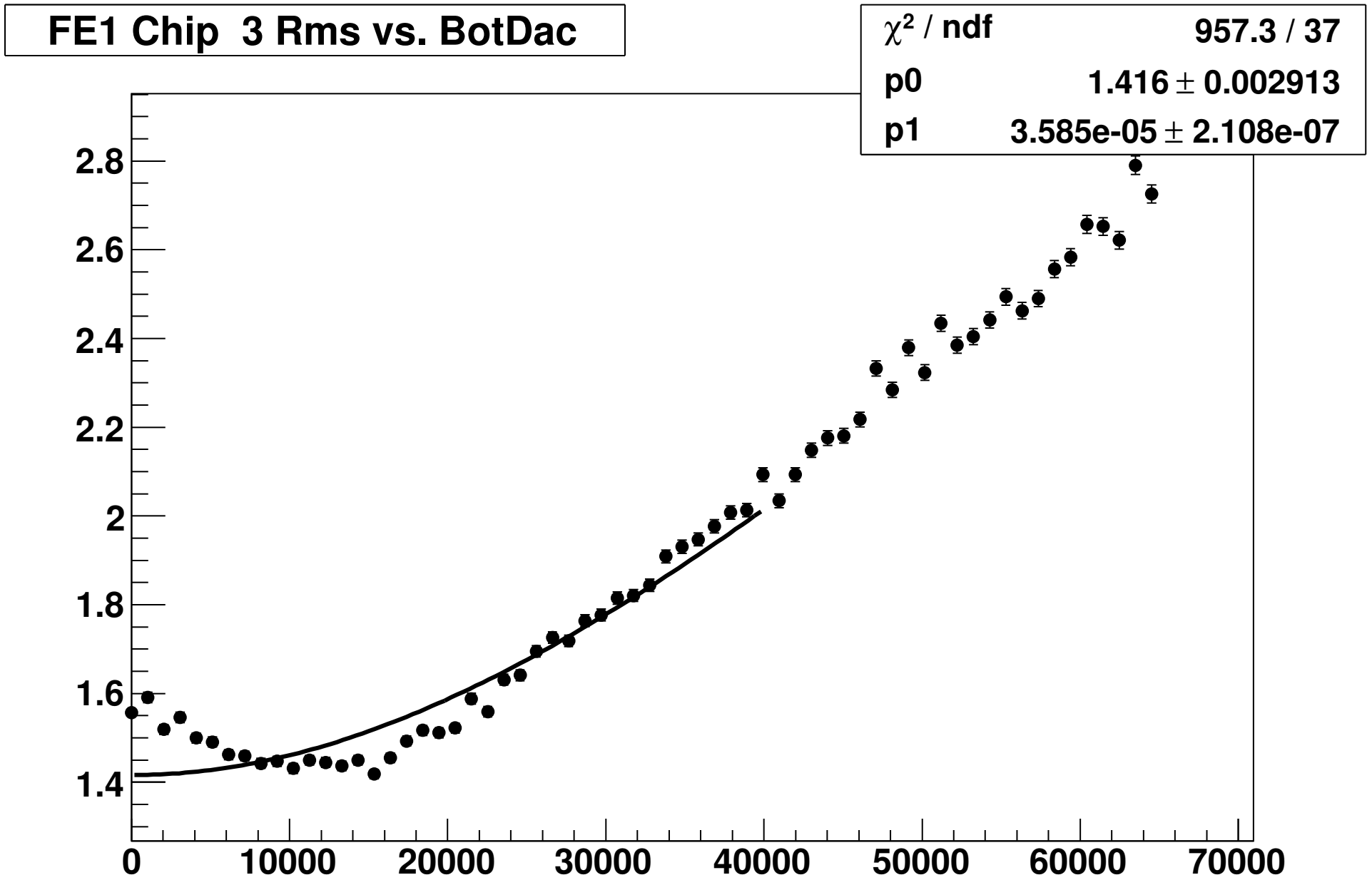
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 39.94 / 37
p0 1.479 ± 0.0027
p1 4.133e-06 ± 1.318e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 4.56e+04 / 37
p0 -15.96 ± 0.005348
p1 0.4534 ± 2.515e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 957.3 / 37
p0 1.416 ± 0.002913
p1 3.585e-05 ± 2.108e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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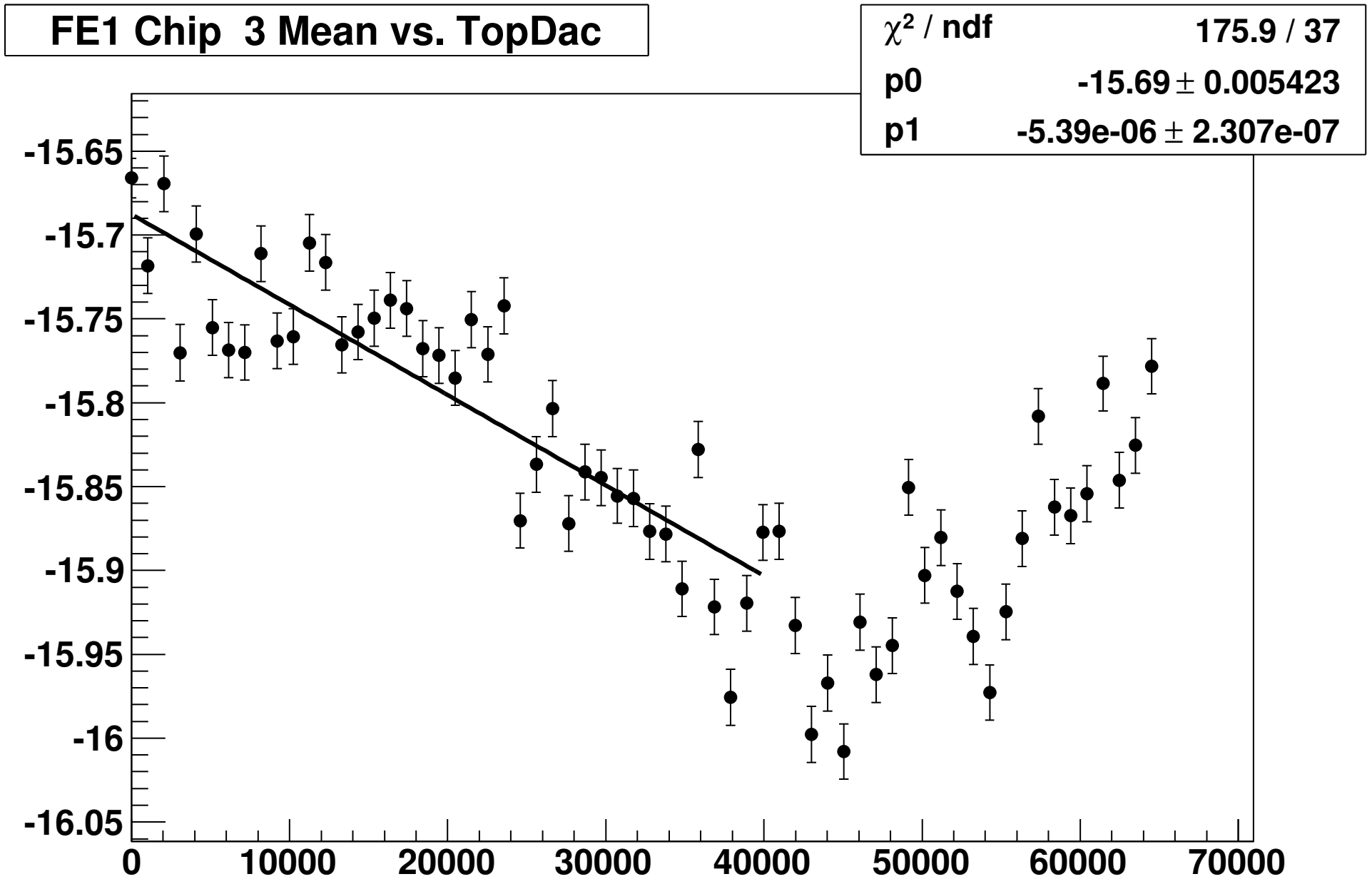
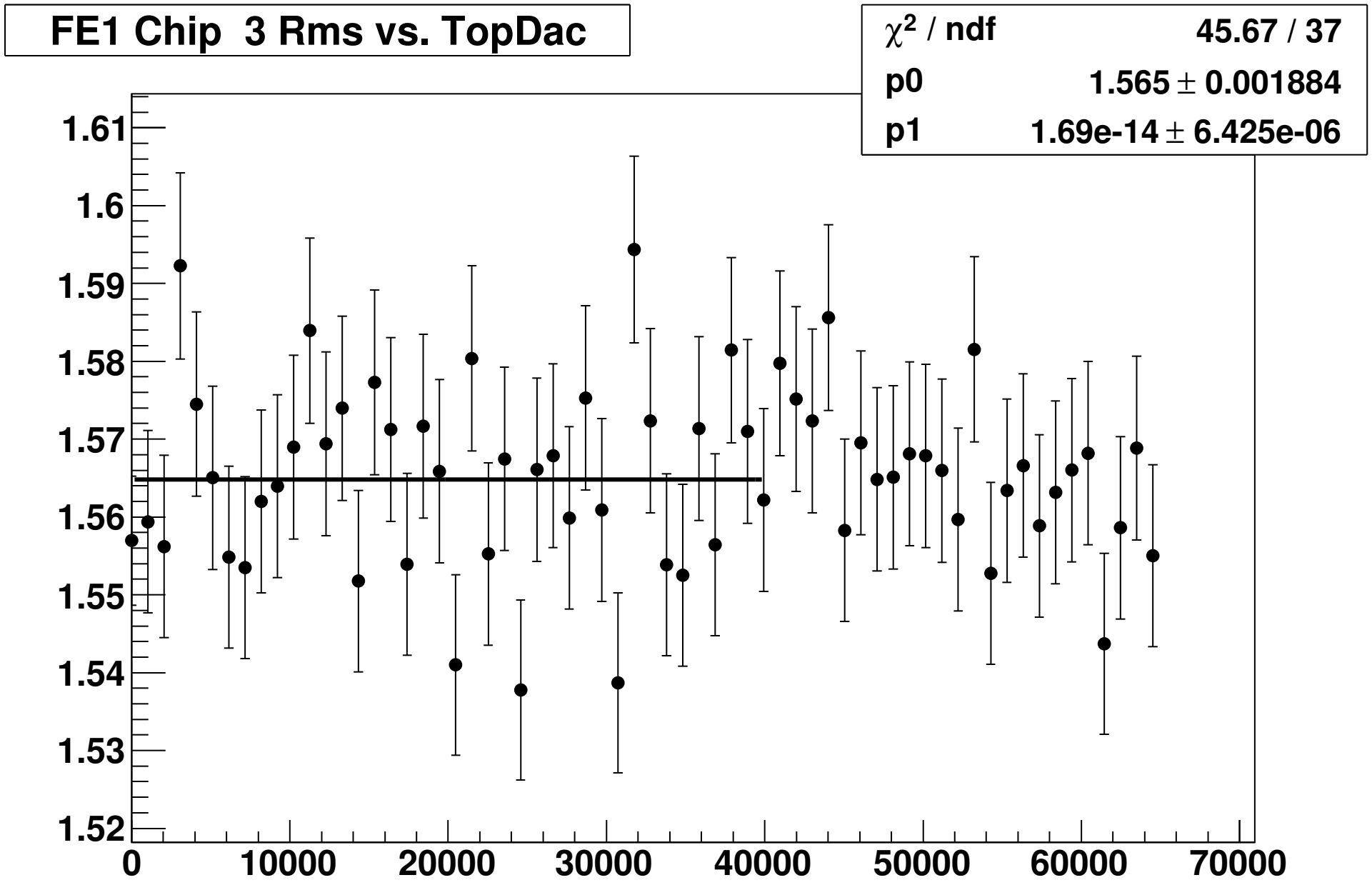

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 175.9 / 37
p0 -15.69 ± 0.005423
p1 -5.39e-06 ± 2.307e-07
-15.65
-15.7
-15.75
-15.8
-15.85
-15.9
-15.95
-16
-16.05
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 45.67 / 37
p0 1.565 ± 0.001884
p1 1.69e-14 ± 6.425e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
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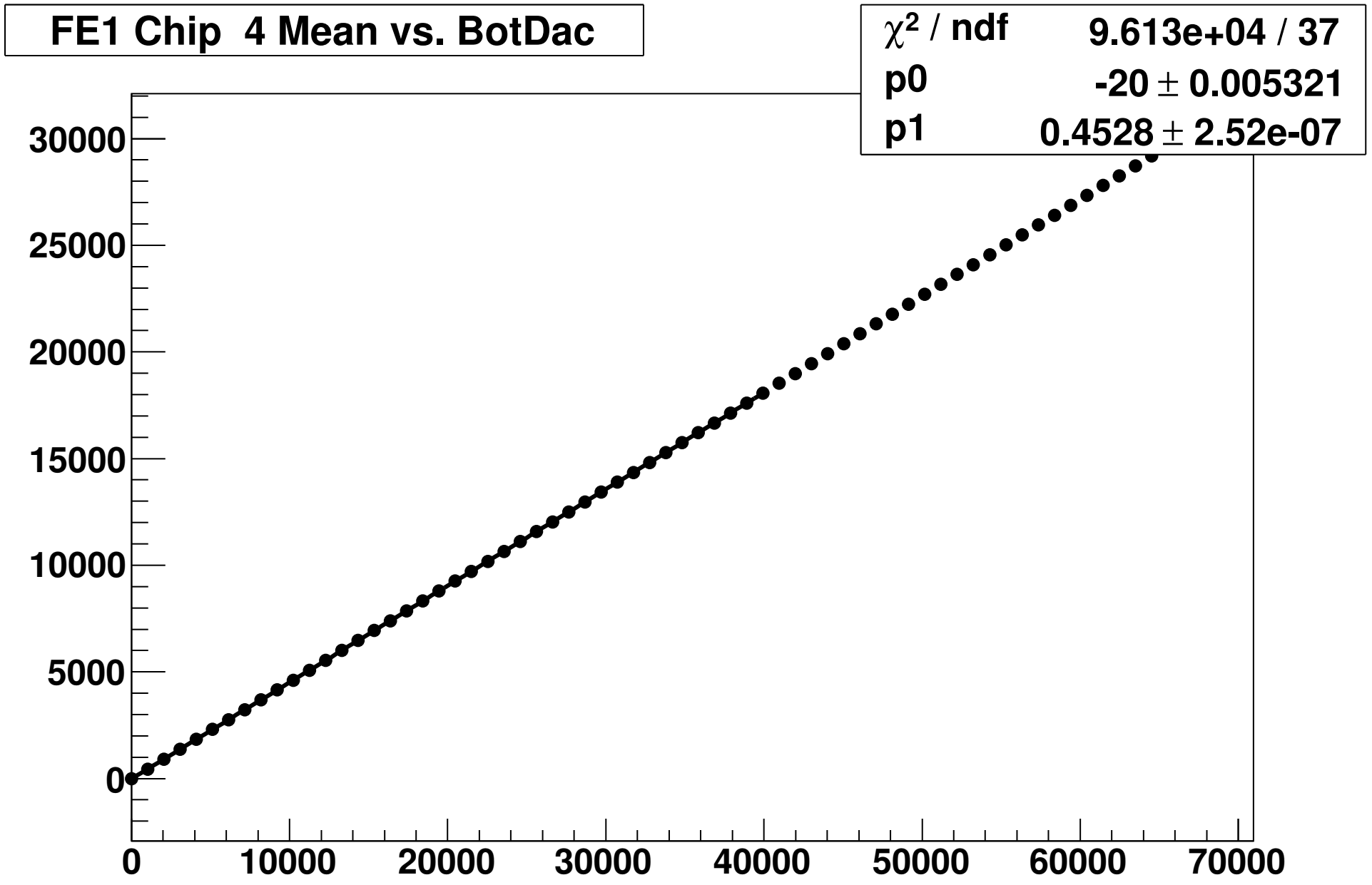
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 9.613e+04 / 37
p0 -20 ± 0.005321
p1 0.4528 ± 2.52e-07
30000
25000
20000
15000
10000
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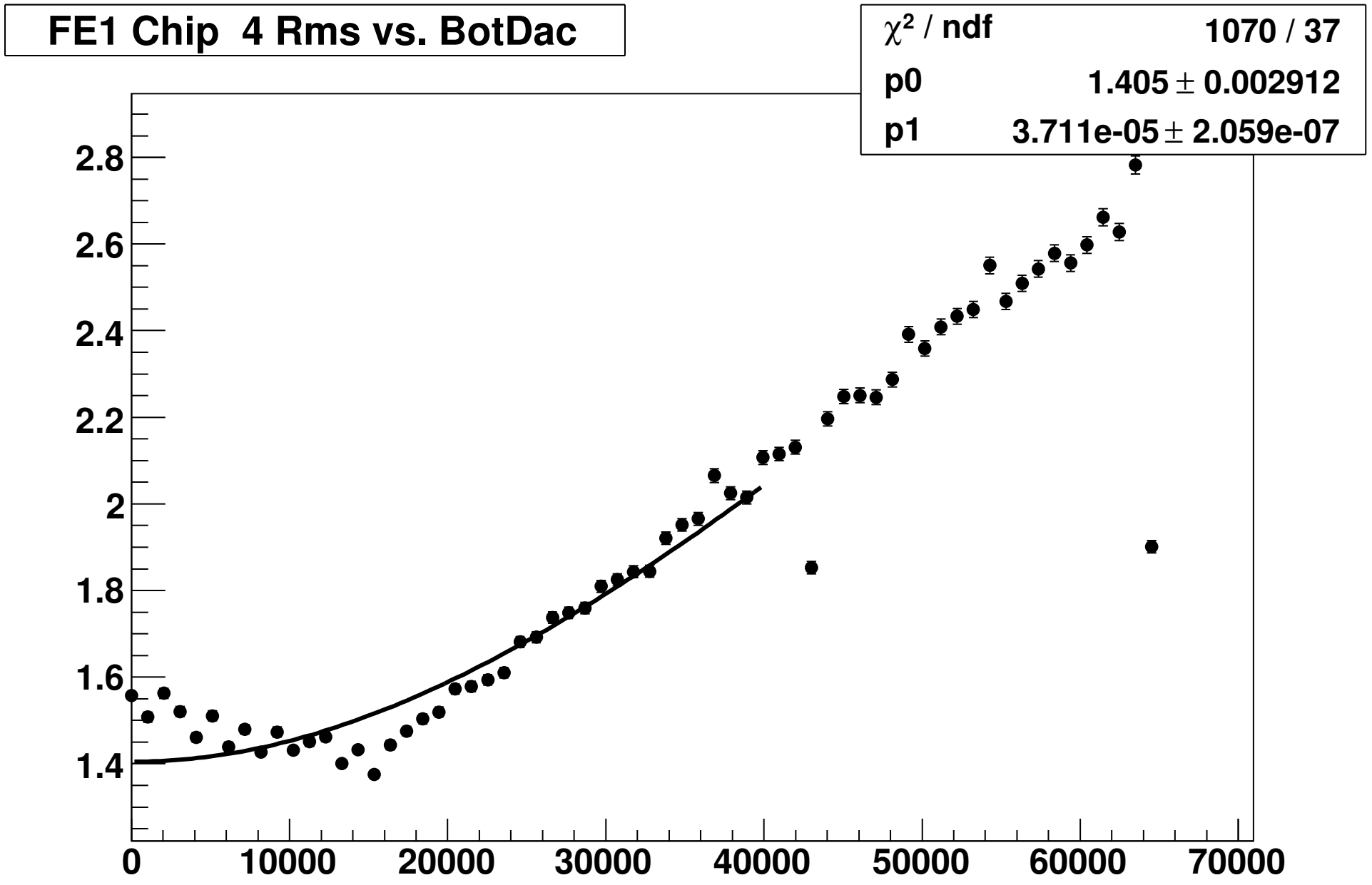
FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1070 / 37
p0 1.405 ± 0.002912
p1 3.711e-05 ± 2.059e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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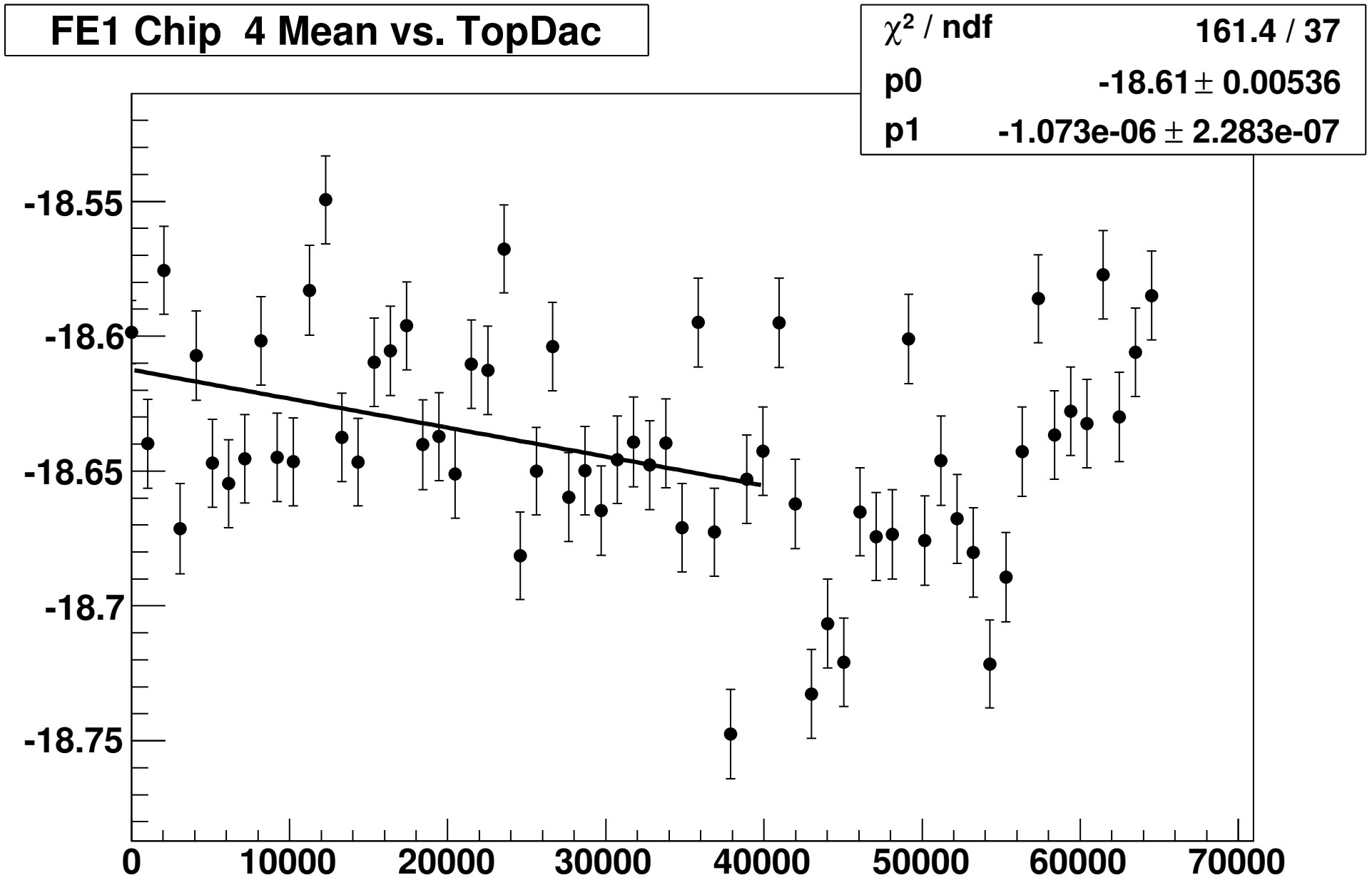
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 161.4 / 37
p0 -18.61 ± 0.00536
p1 -1.073e-06 ± 2.283e-07
-18.55
-18.6
-18.65
-18.7
-18.75
0
10000
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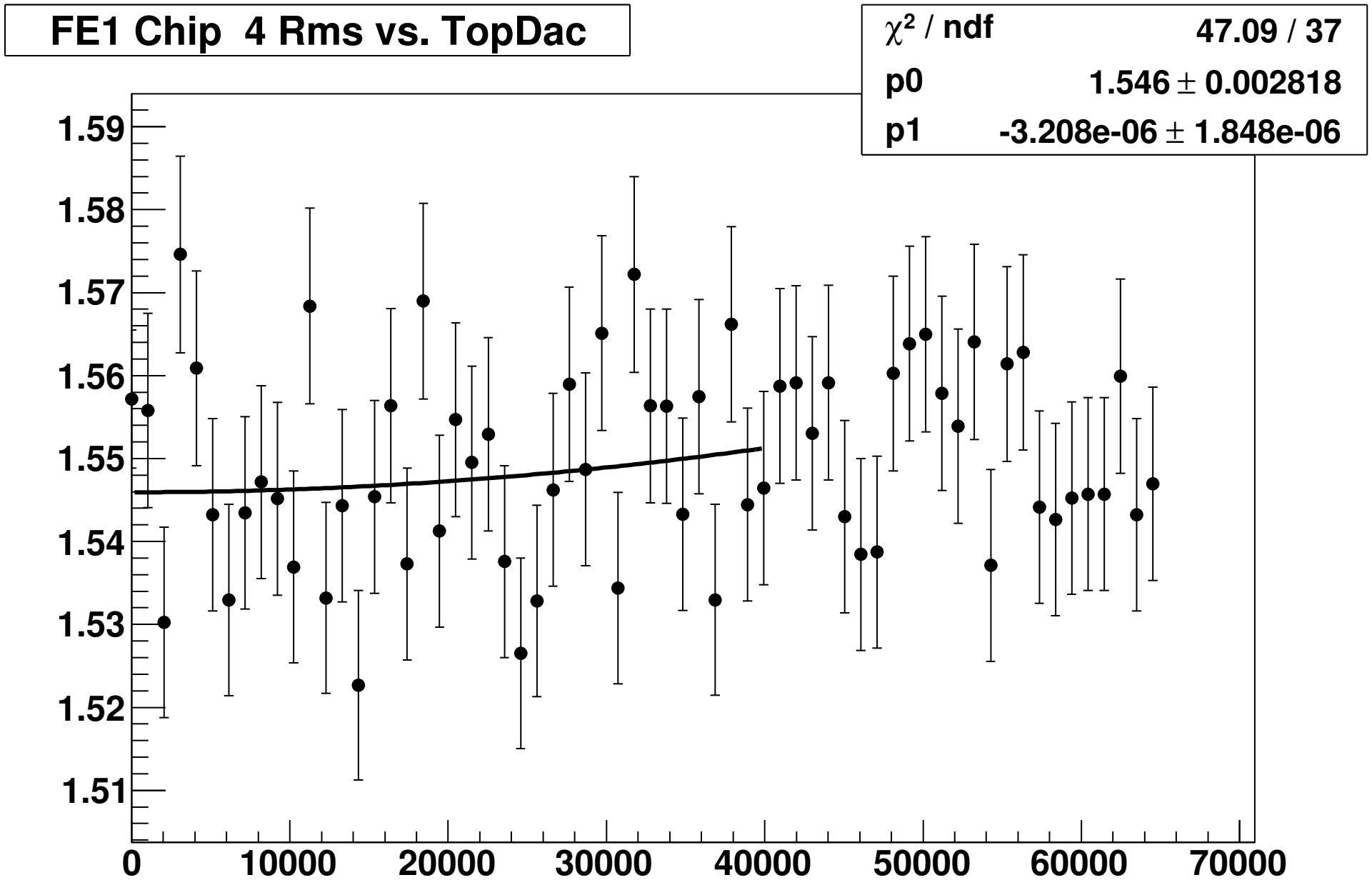
60000
70000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 47.09 / 37
p0 1.546 ± 0.002818
p1 -3.208e-06 ± 1.848e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
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60000
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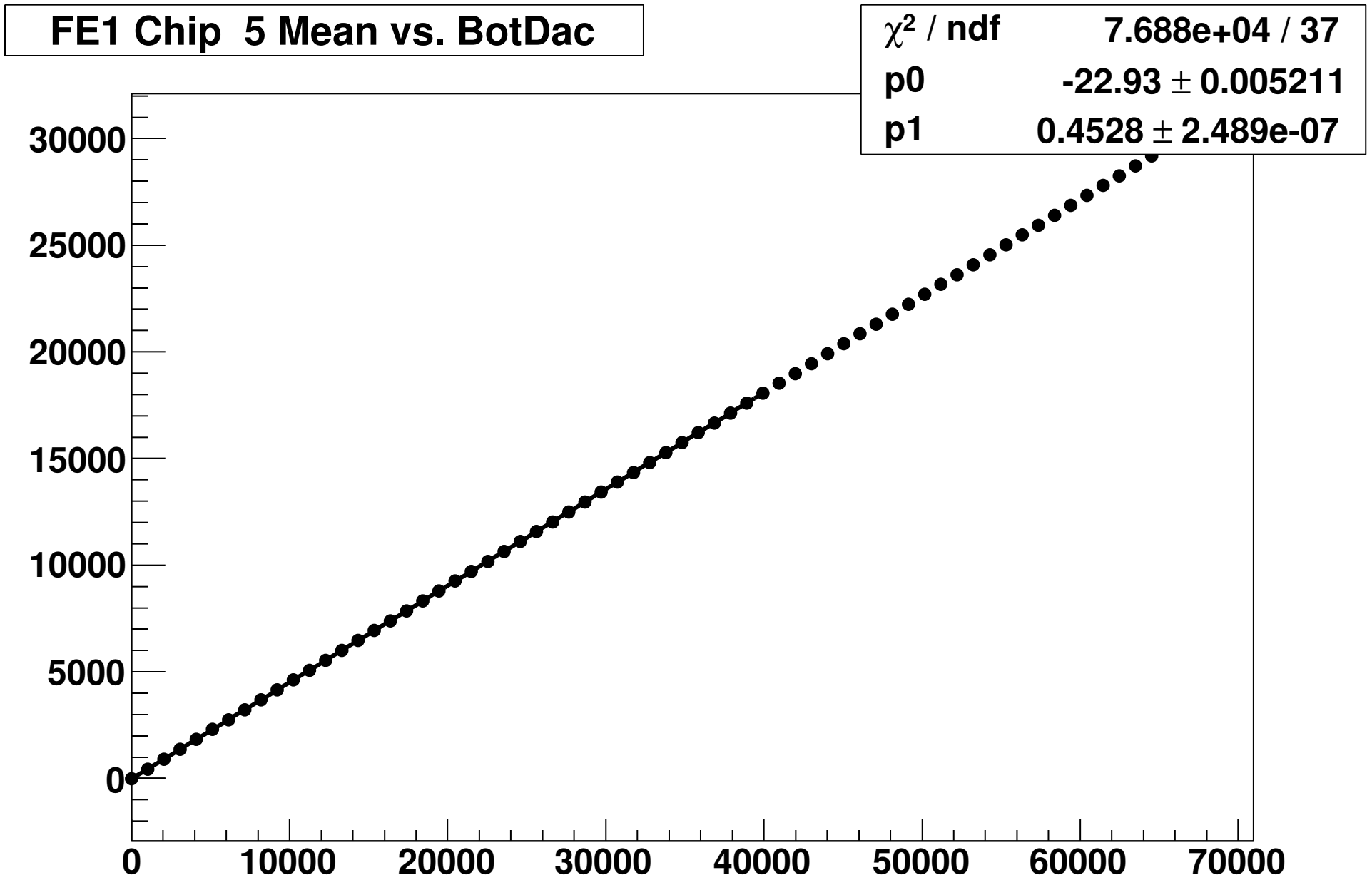
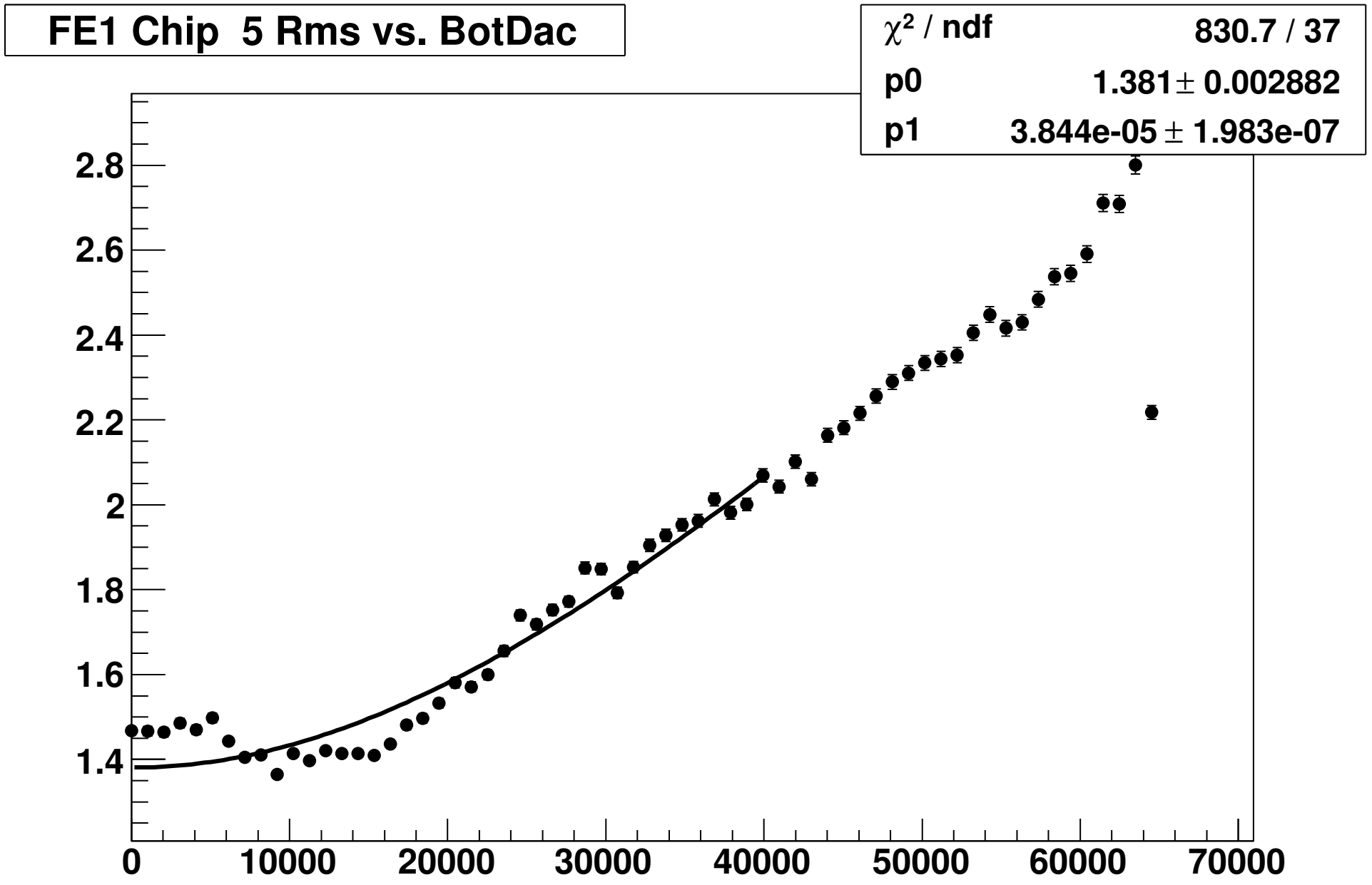

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 7.688e+04 / 37
p0 -22.93 ± 0.005211
p1 0.4528 ± 2.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 830.7 / 37
p0 1.381 ± 0.002882
p1 3.844e-05 ± 1.983e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
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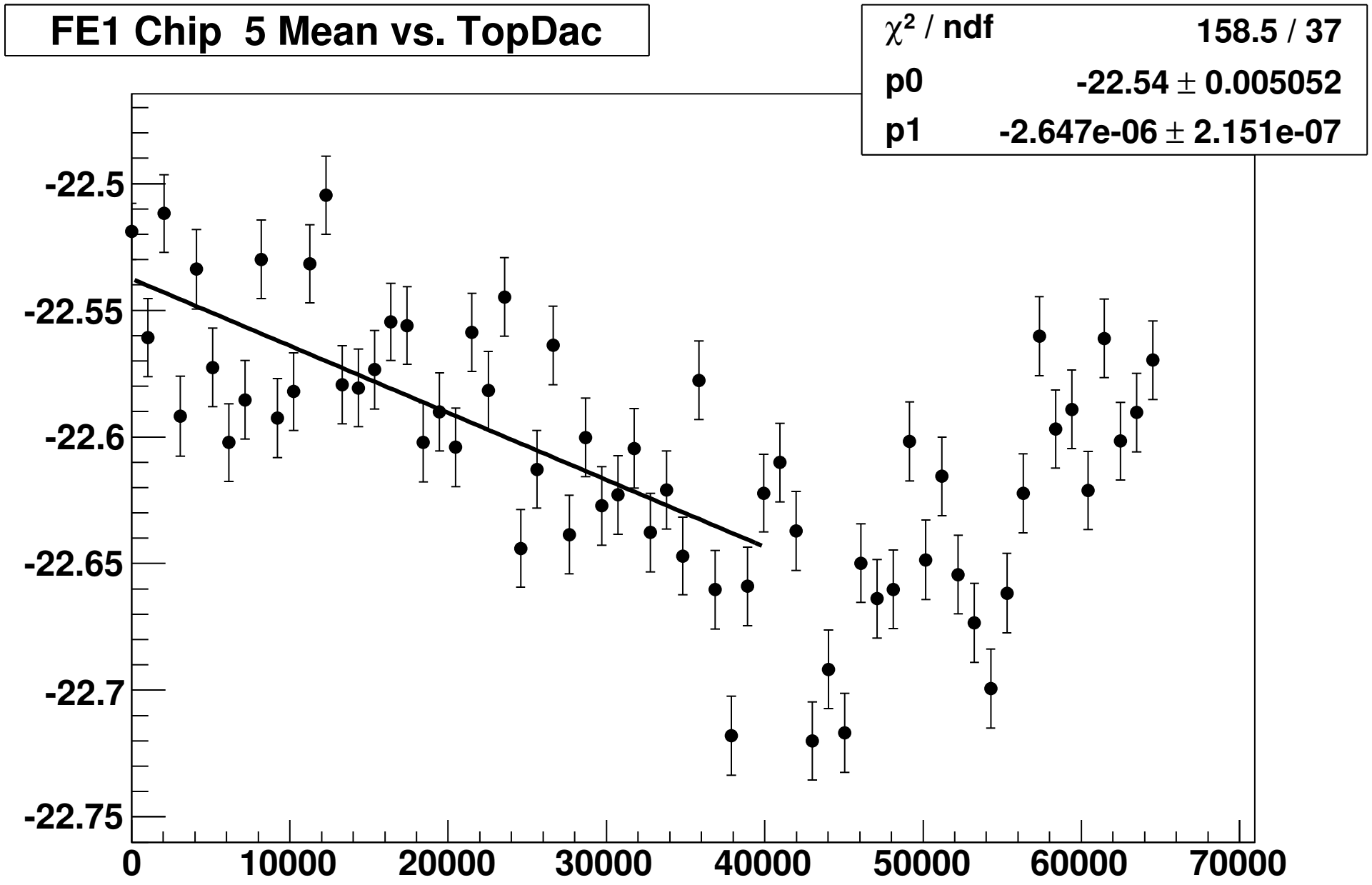
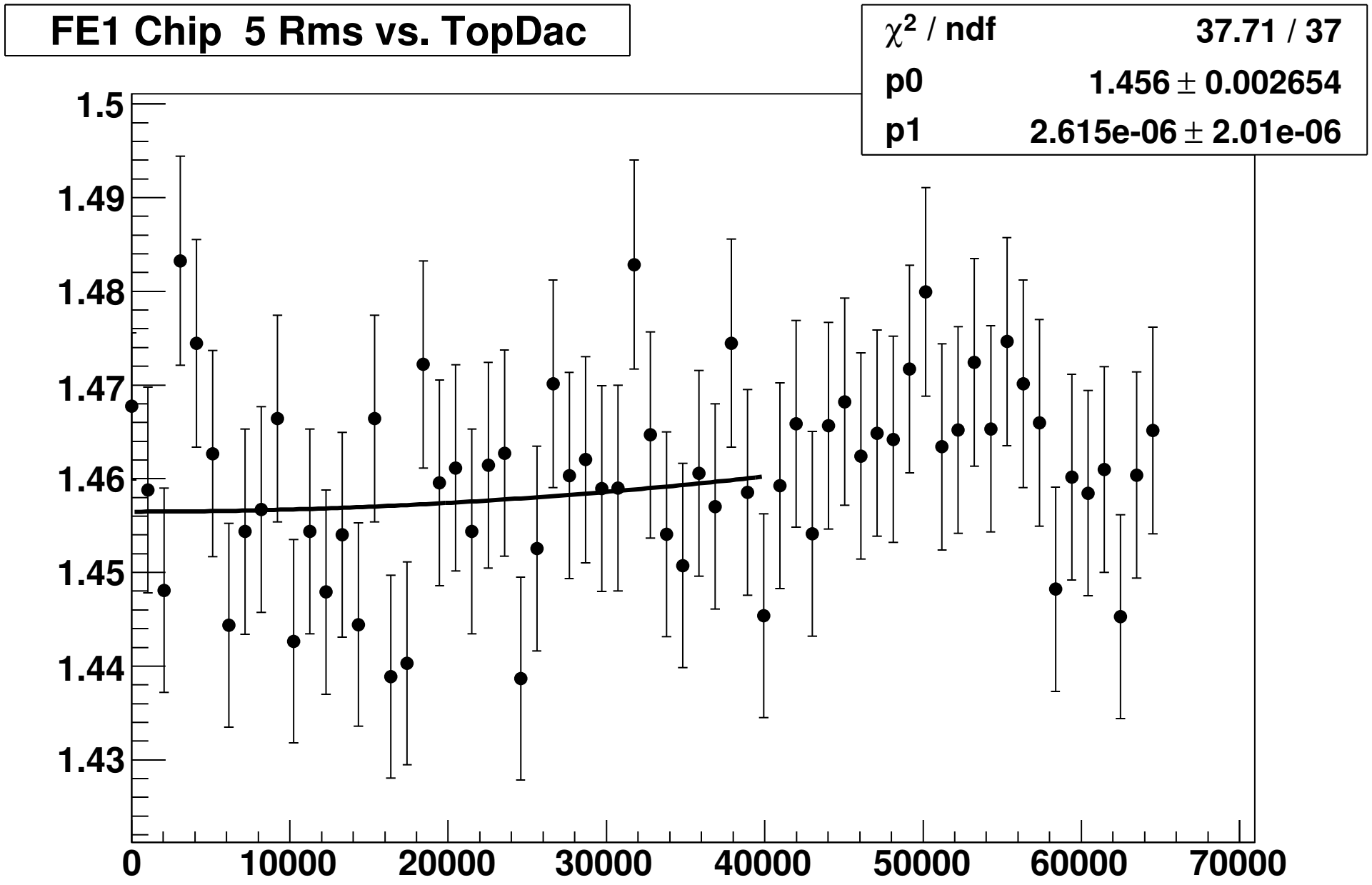

FE1 Chip 5 Mean vs. TopDac
χ² / ndf 158.5 / 37
p0 -22.54 ± 0.005052
p1 -2.647e-06 ± 2.151e-07
-22.5
-22.55
-22.6
-22.65
-22.7
-22.75
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 37.71 / 37
p0 1.456 ± 0.002654
p1 2.615e-06 ± 2.01e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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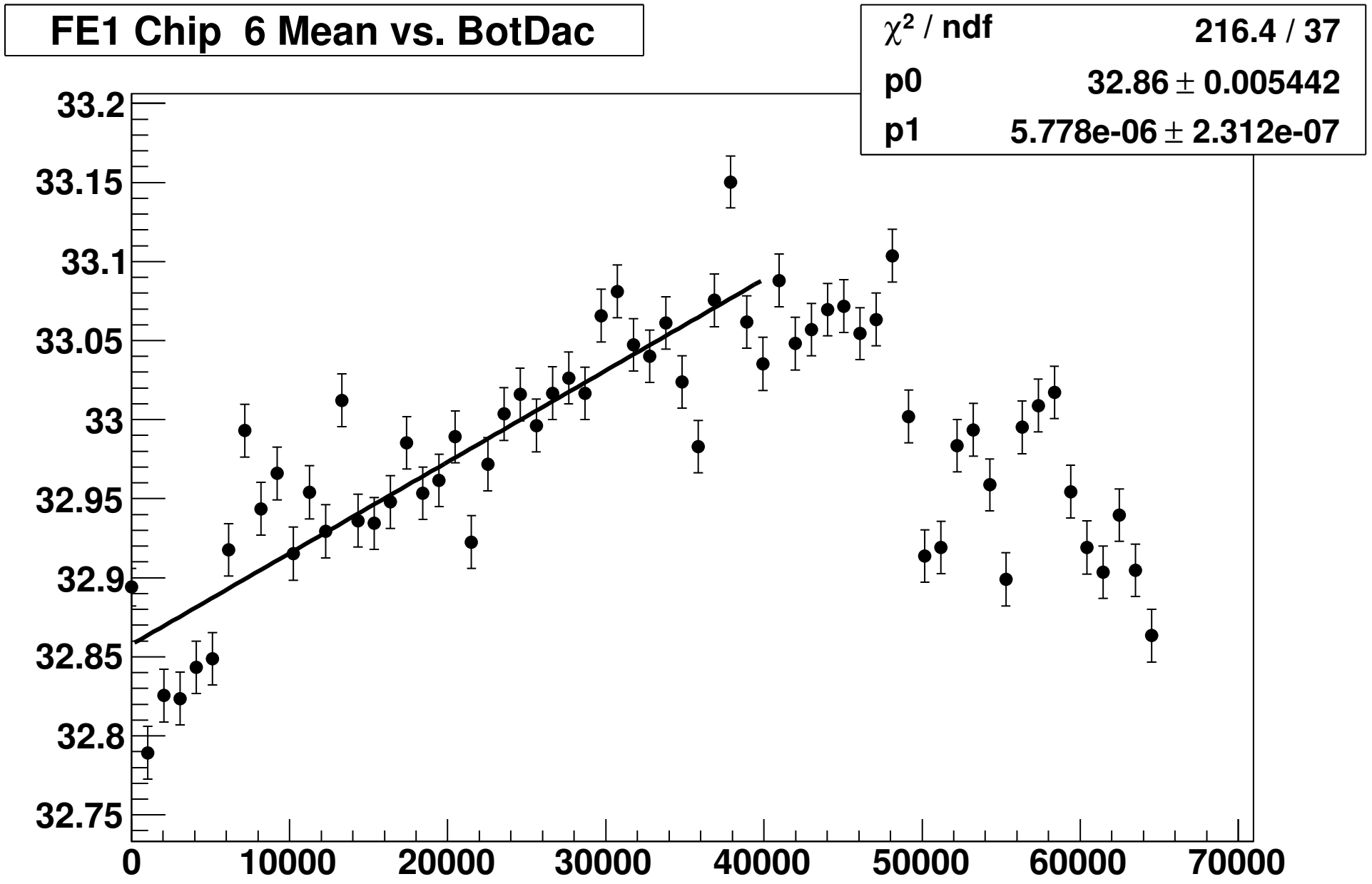
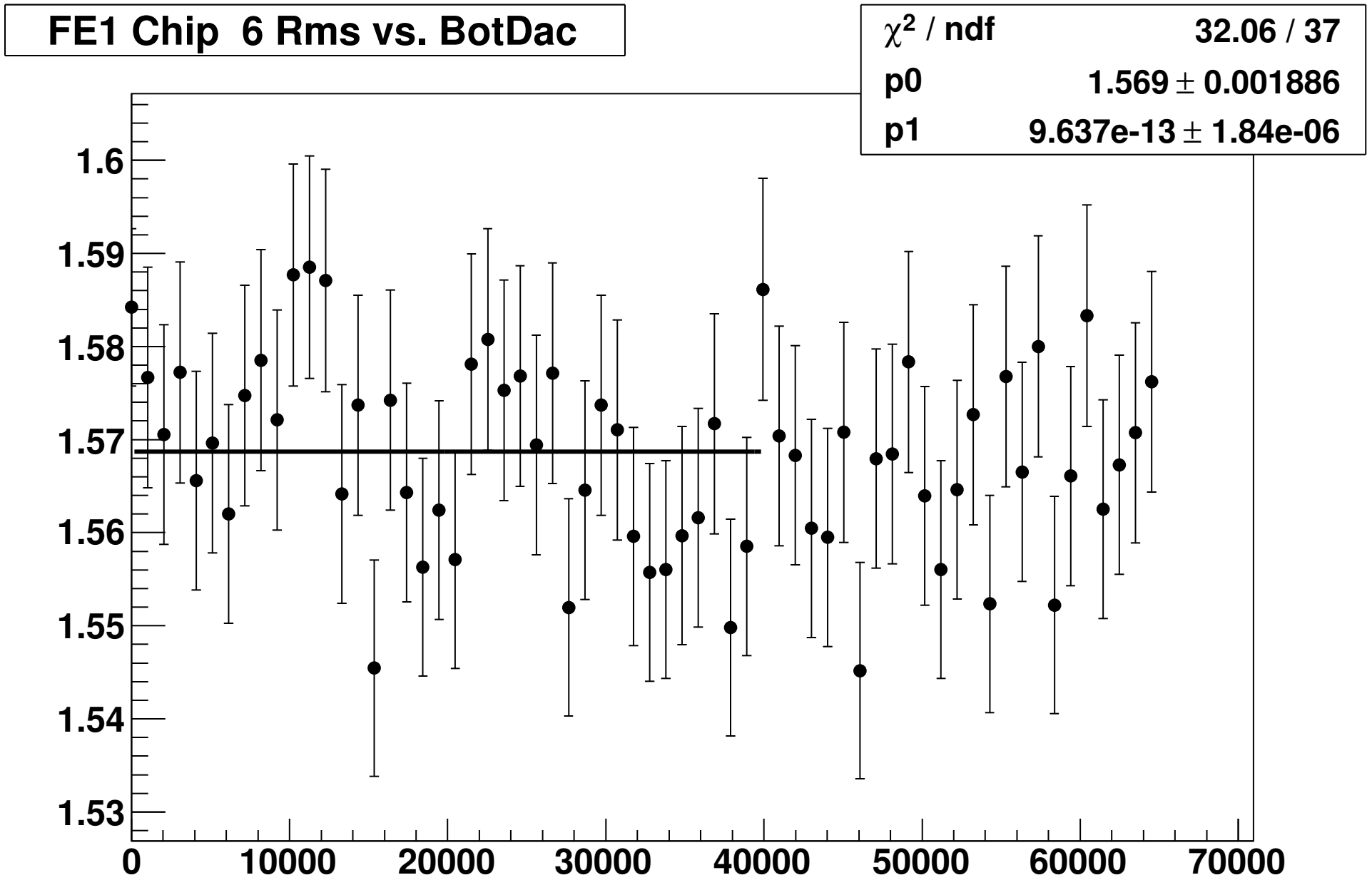
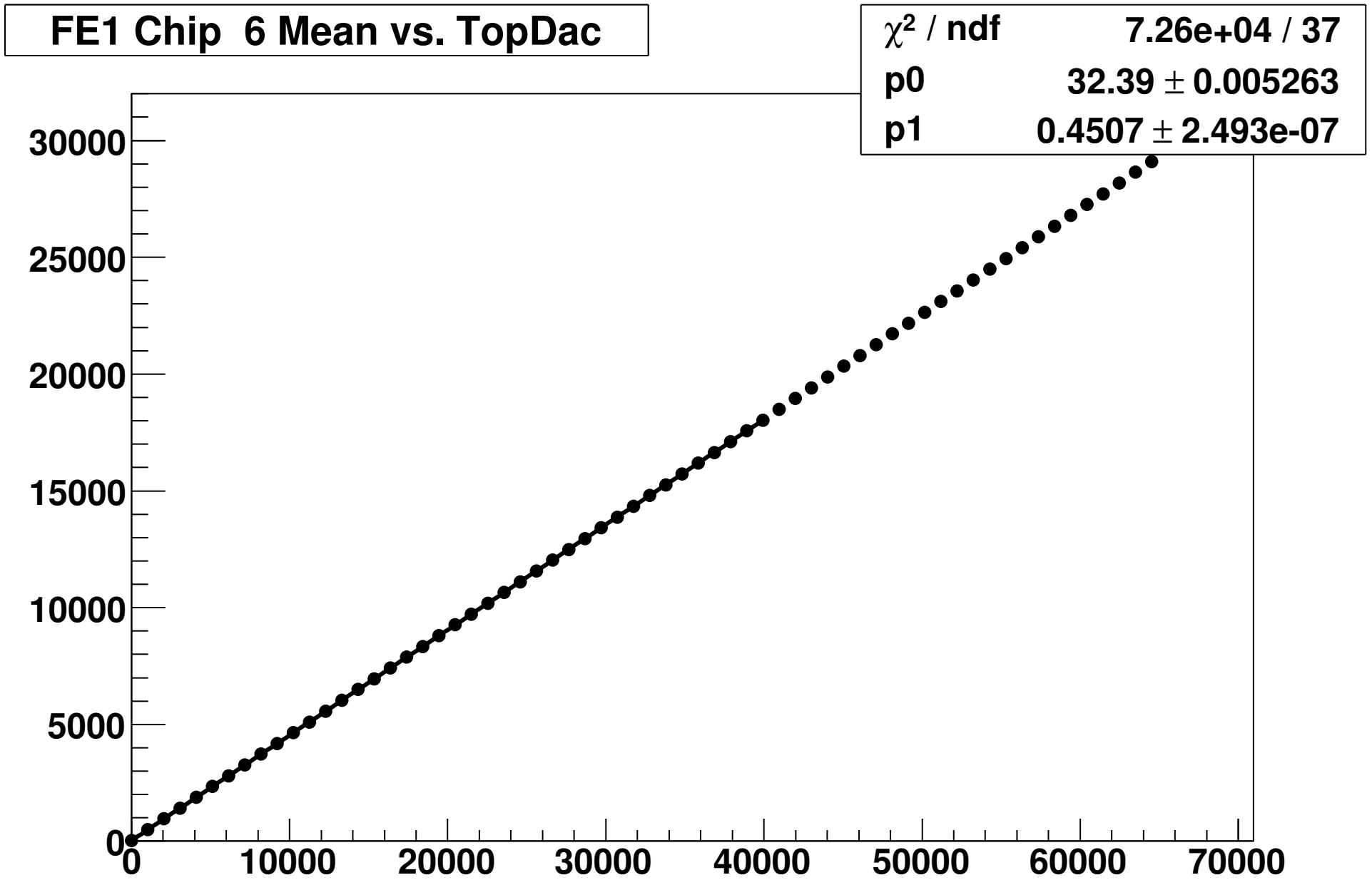

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 216.4 / 37
p0 32.86 ± 0.005442
p1 5.778e-06 ± 2.312e-07
33.2
33.15
33.1
33.05
33
32.95
32.9
32.85
32.8
32.75
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 32.06 / 37
p0 1.569 ± 0.001886
p1 9.637e-13 ± 1.84e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 7.26e+04 / 37
p0 32.39 ± 0.005263
p1 0.4507 ± 2.493e-07
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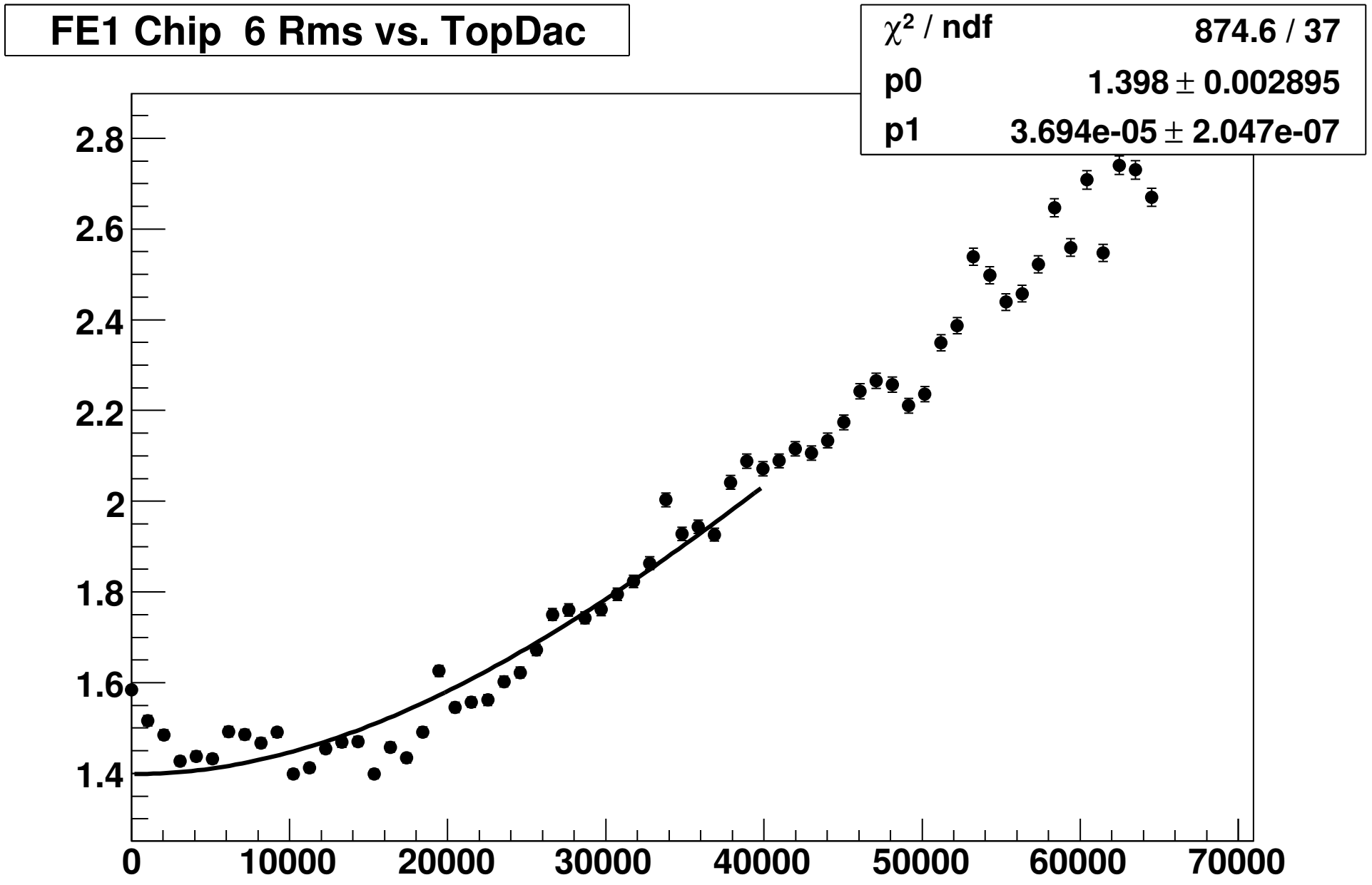
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 874.6 / 37
p0 1.398 ± 0.002895
p1 3.694e-05 ± 2.047e-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
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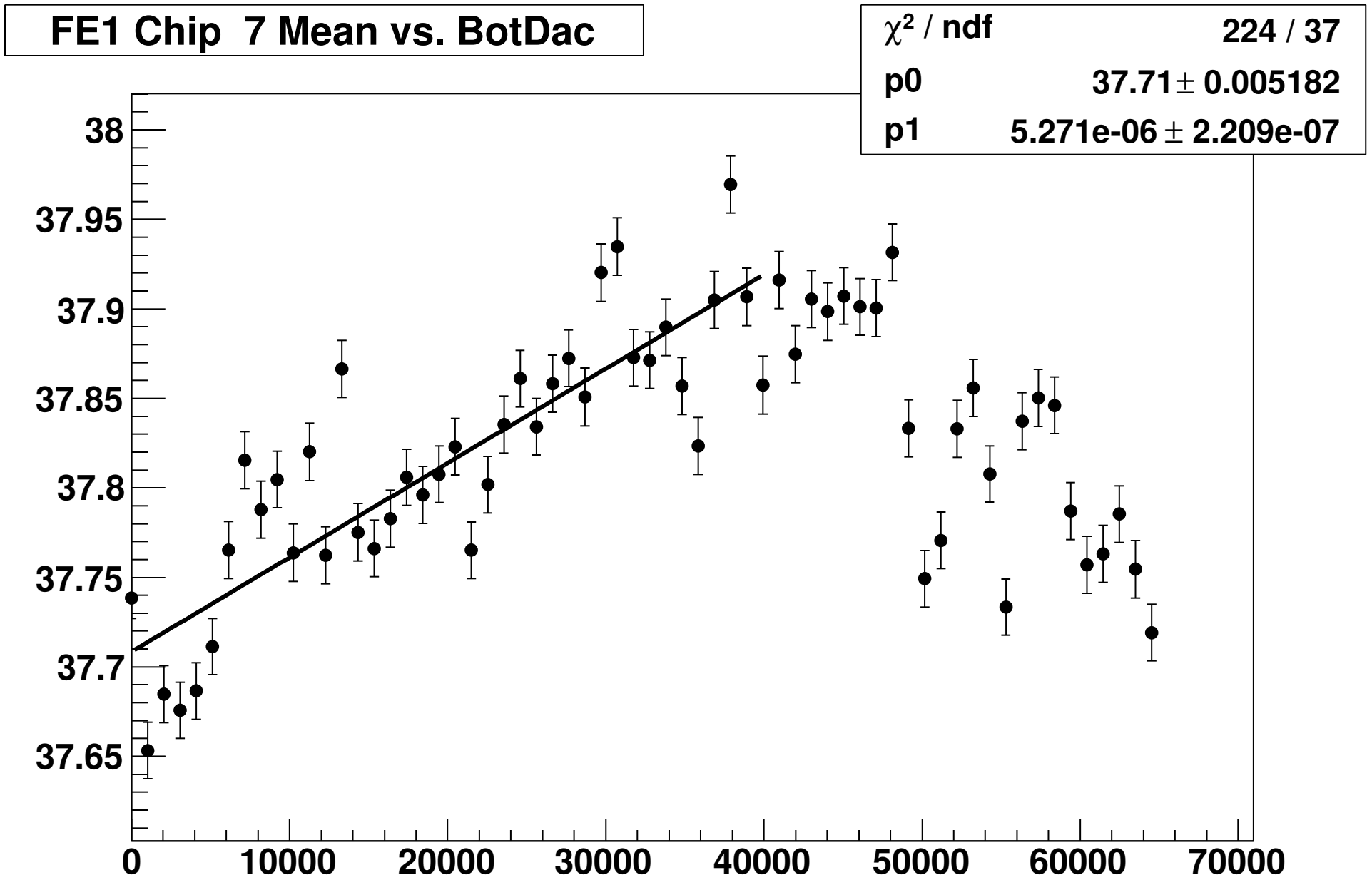
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 224 / 37
p0 37.71 ± 0.005182
p1 5.271e-06 ± 2.209e-07
38
37.95
37.9
37.85
37.8
37.75
37.7
37.65
0
10000
20000
30000
40000
50000
60000
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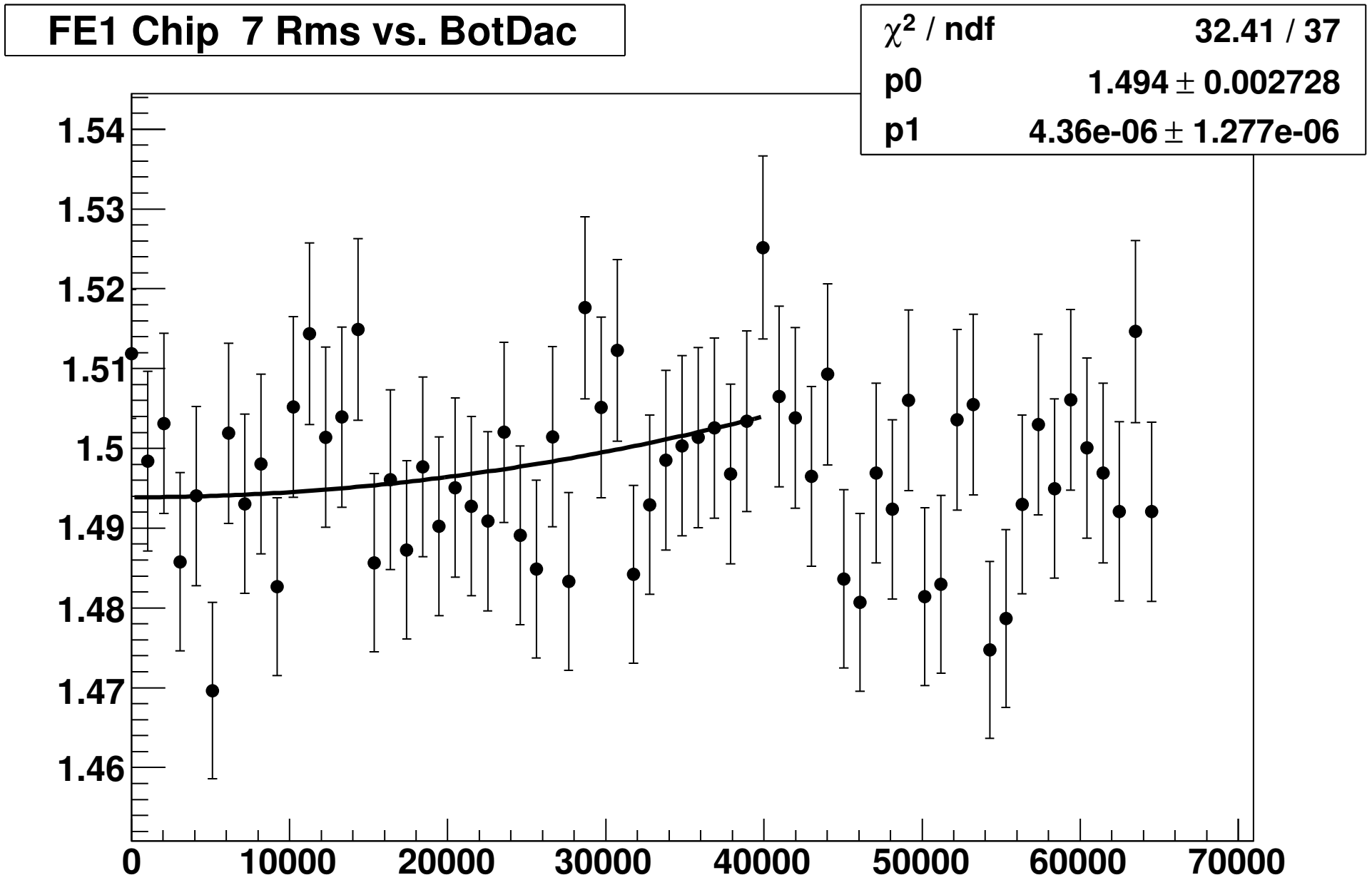
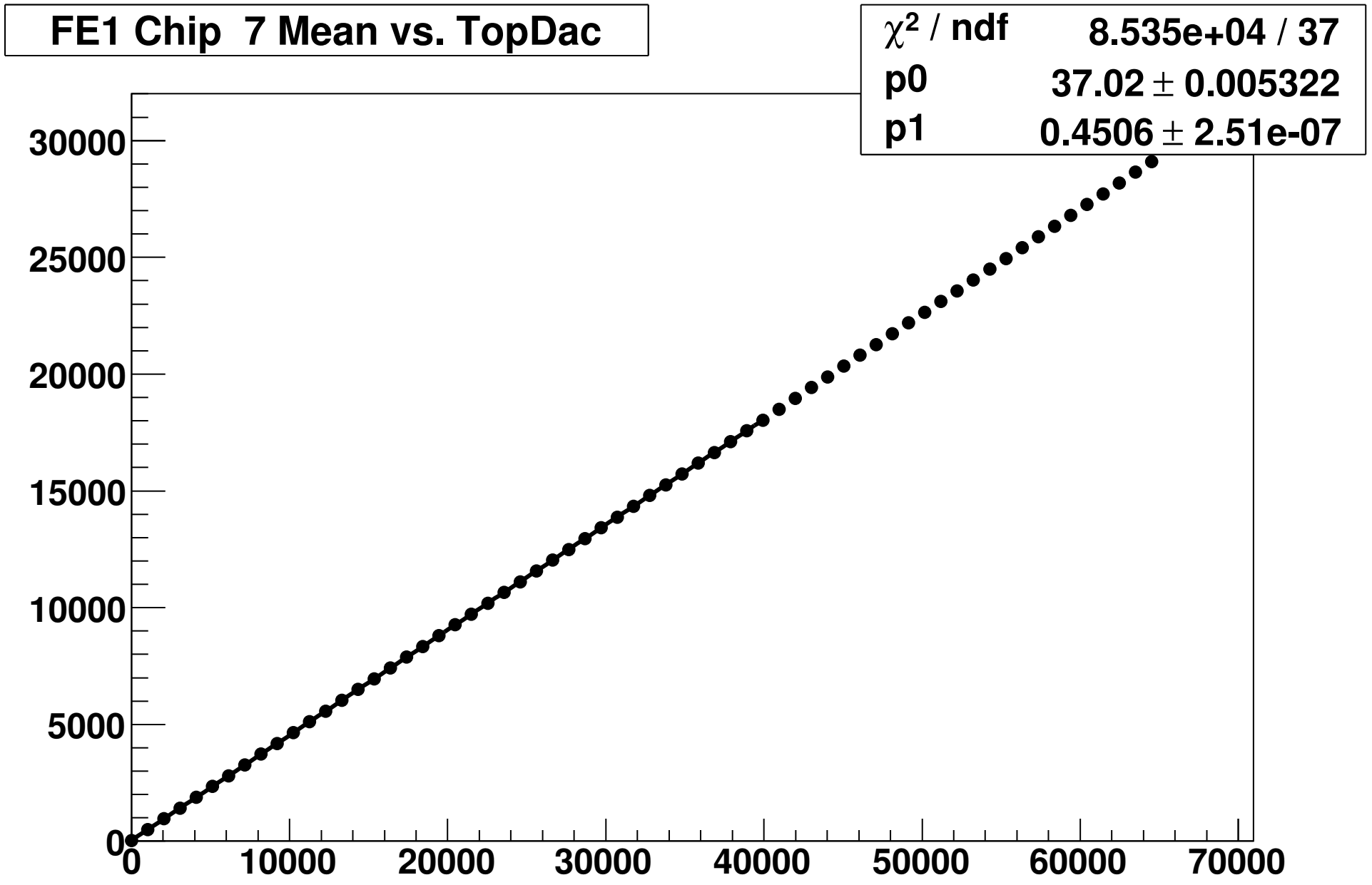
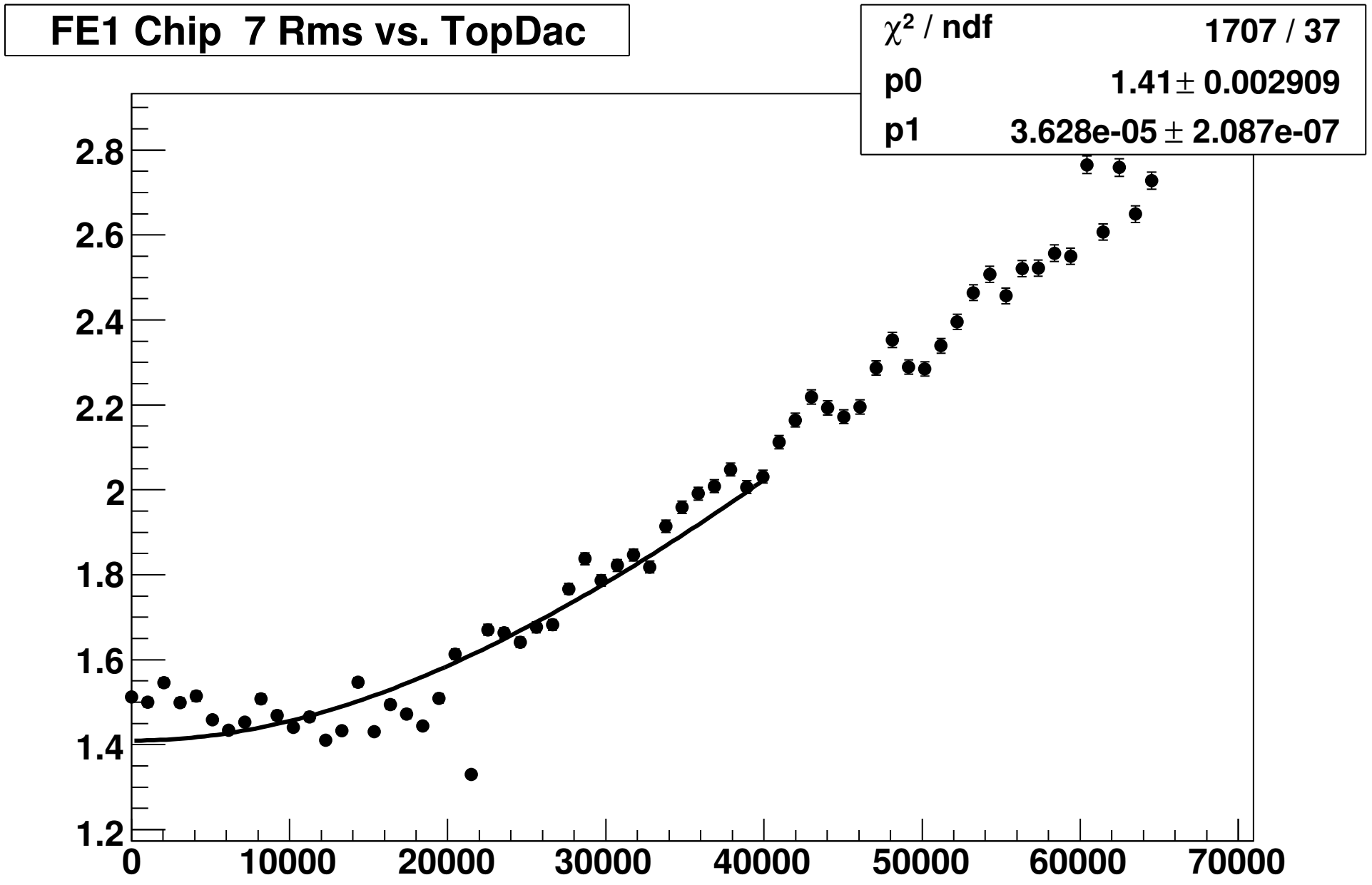

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 32.41 / 37
p0 1.494 ± 0.002728
p1 4.36e-06 ± 1.277e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 8.535e+04 / 37
p0 37.02 ± 0.005322
p1 0.4506 ± 2.51e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1707 / 37
p0 1.41 ± 0.002909
p1 3.628e-05 ± 2.087e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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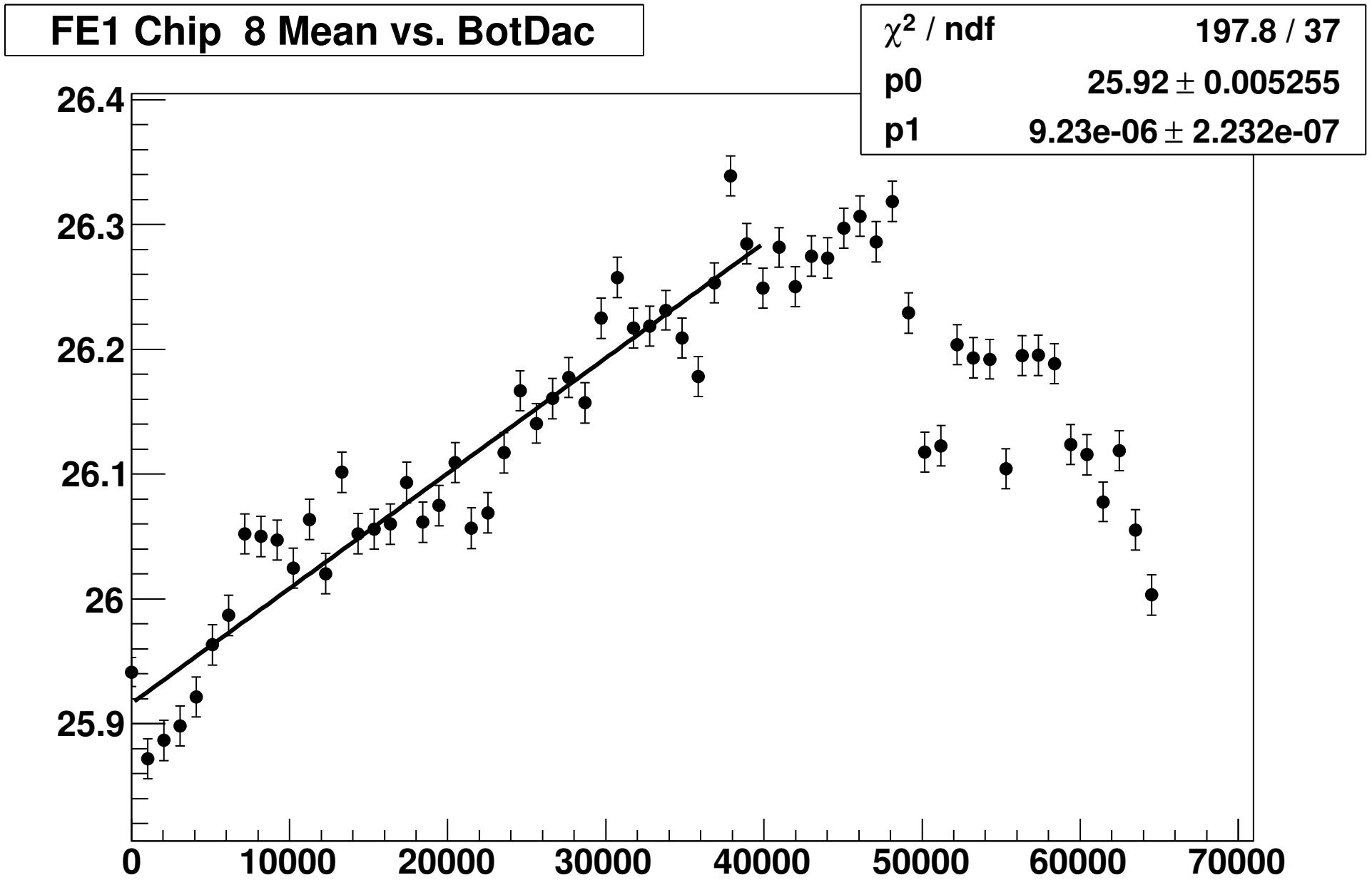
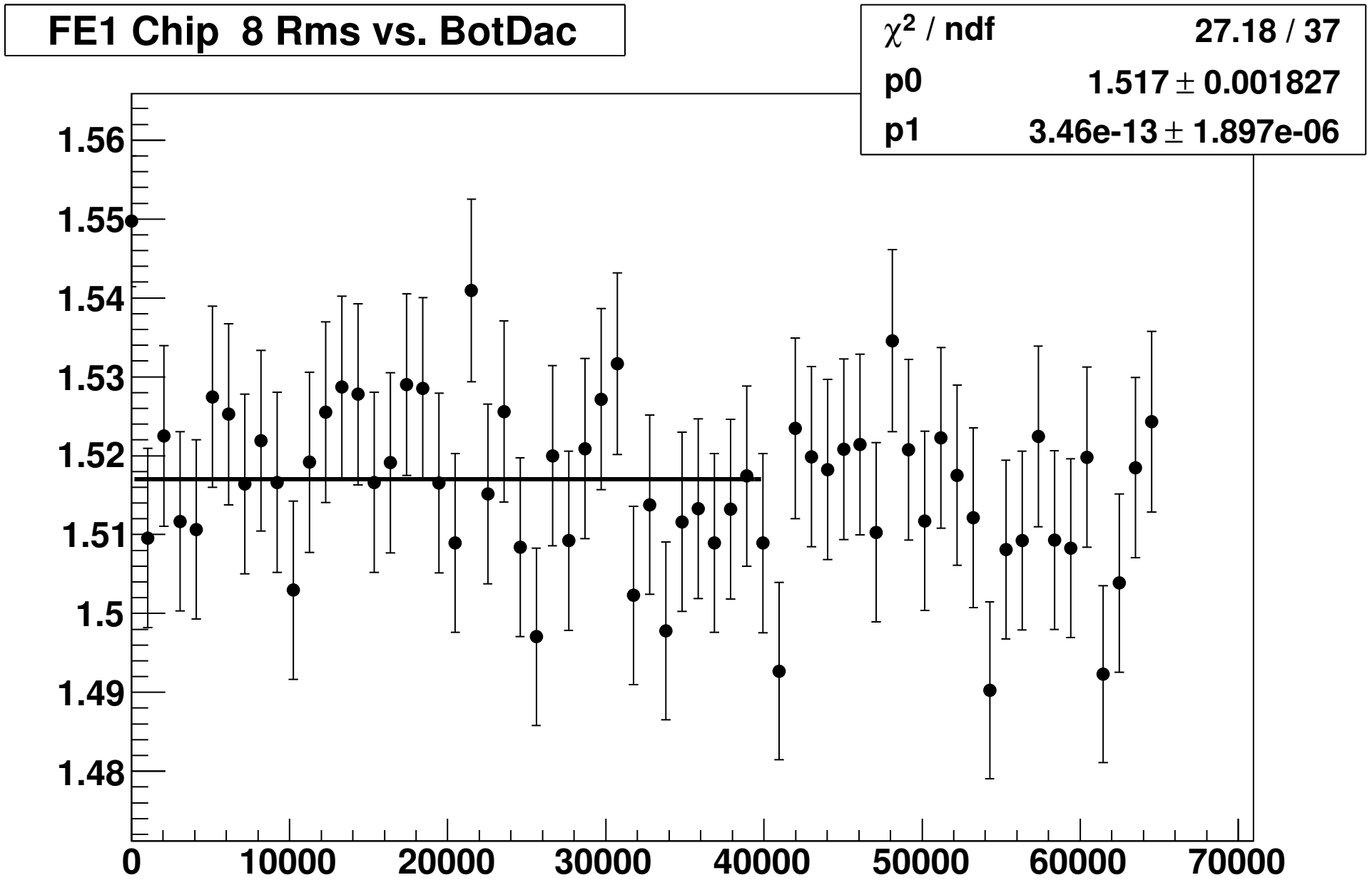

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 197.8 / 37
p0 25.92 ± 0.005255
p1 9.23e-06 ± 2.232e-07
26.4
26.3
26.2
26.1
26
25.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 27.18 / 37
p0 1.517 ± 0.001827
p1 3.46e-13 ± 1.897e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
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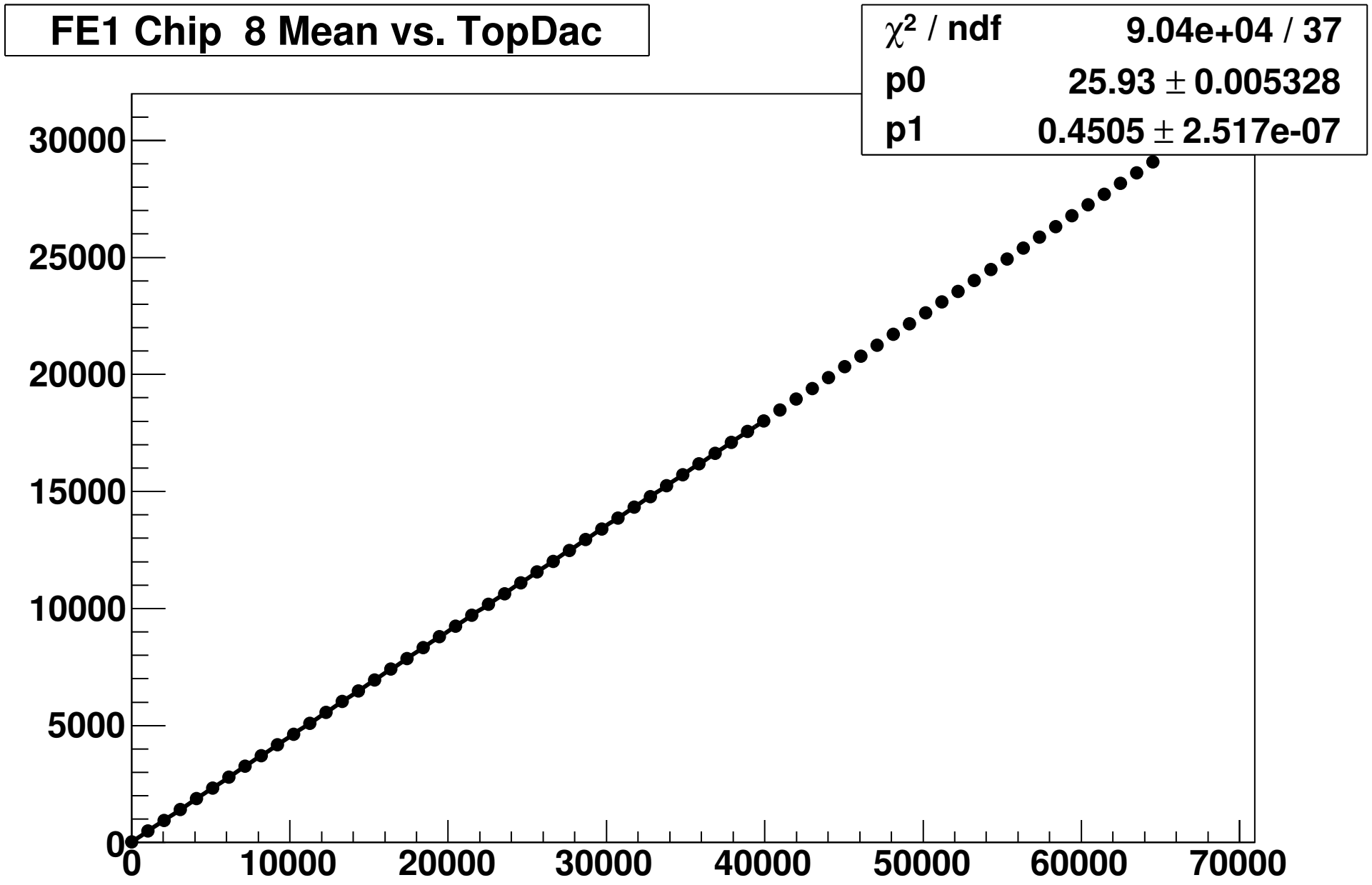
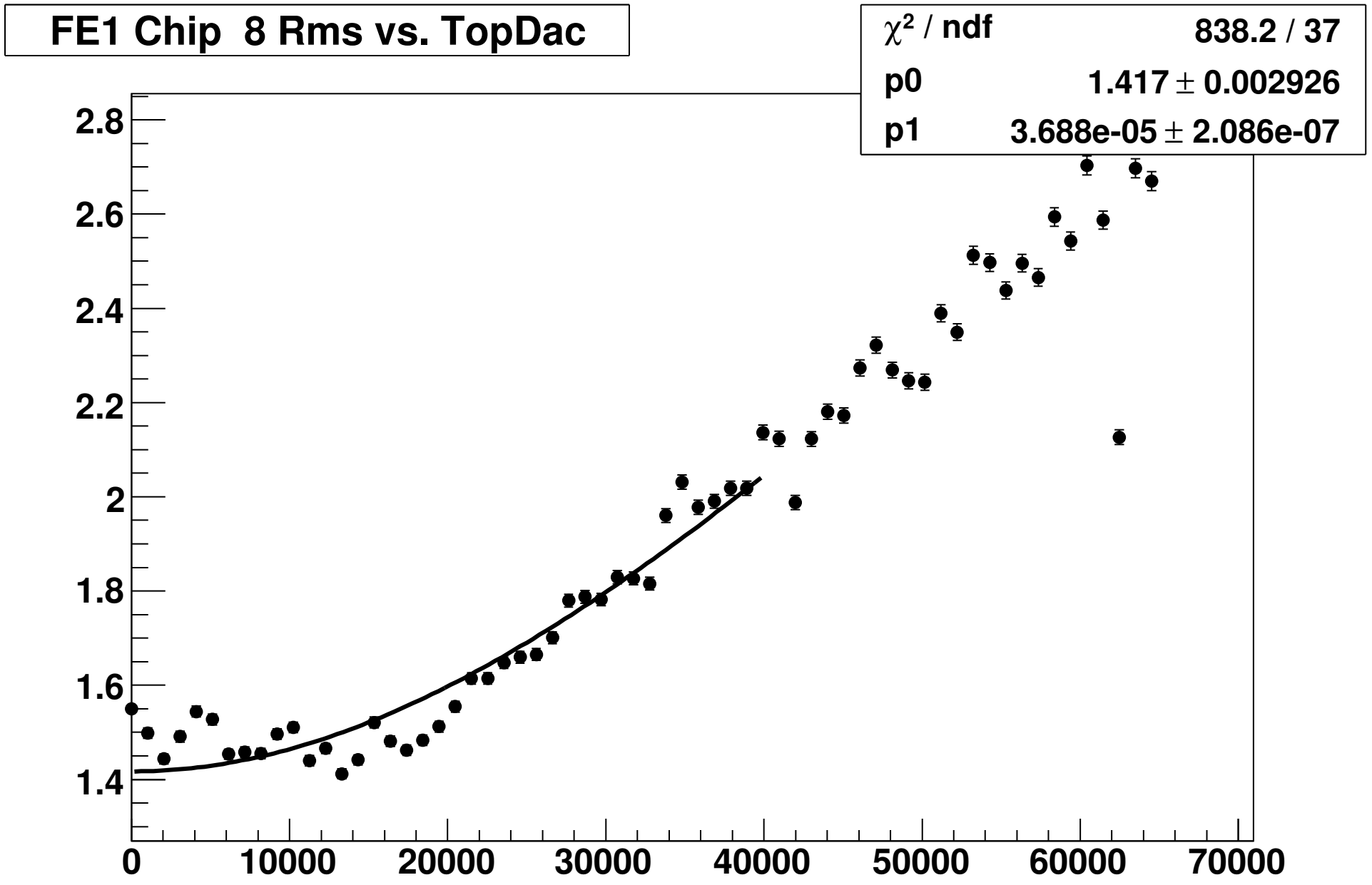
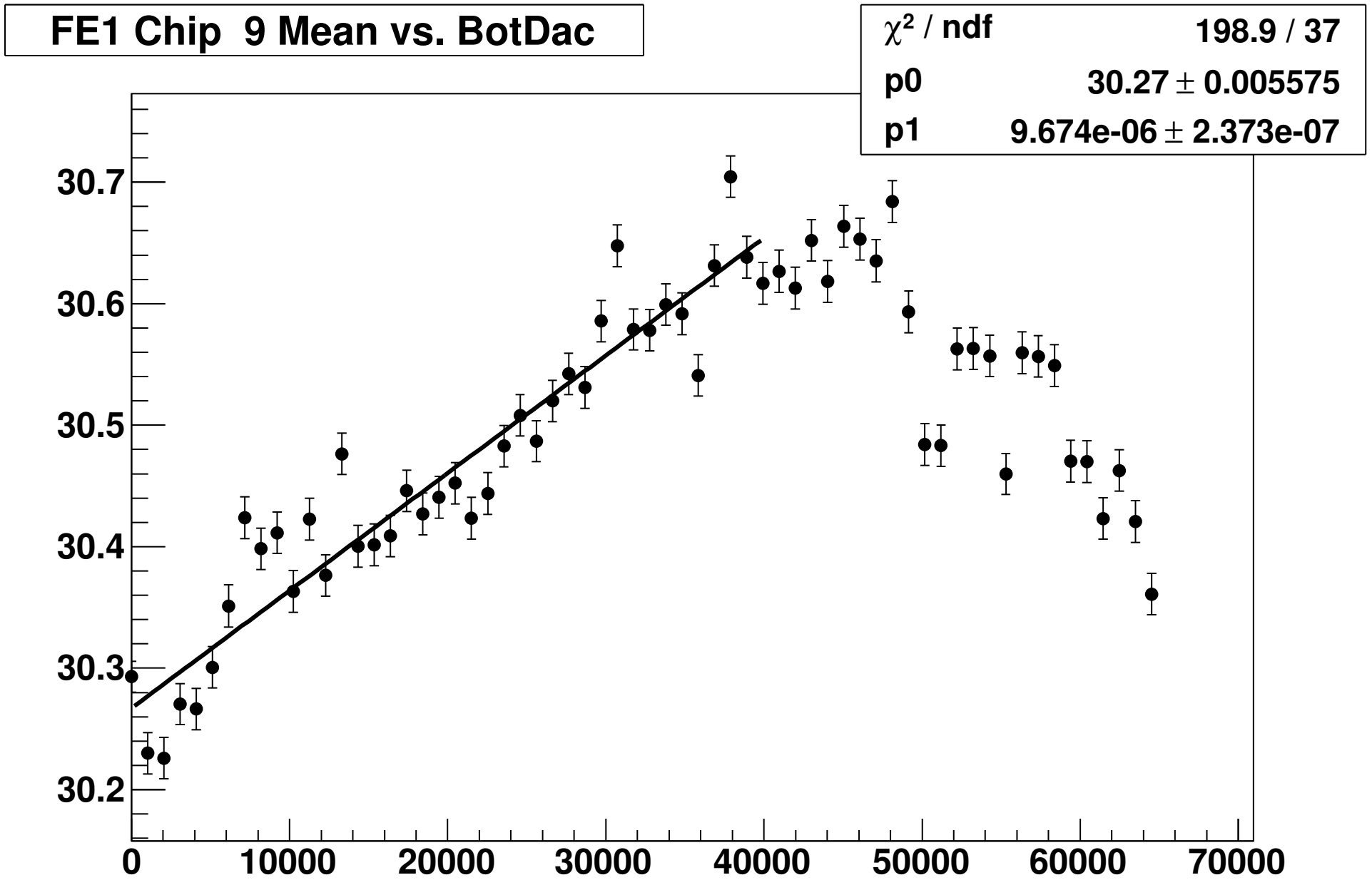
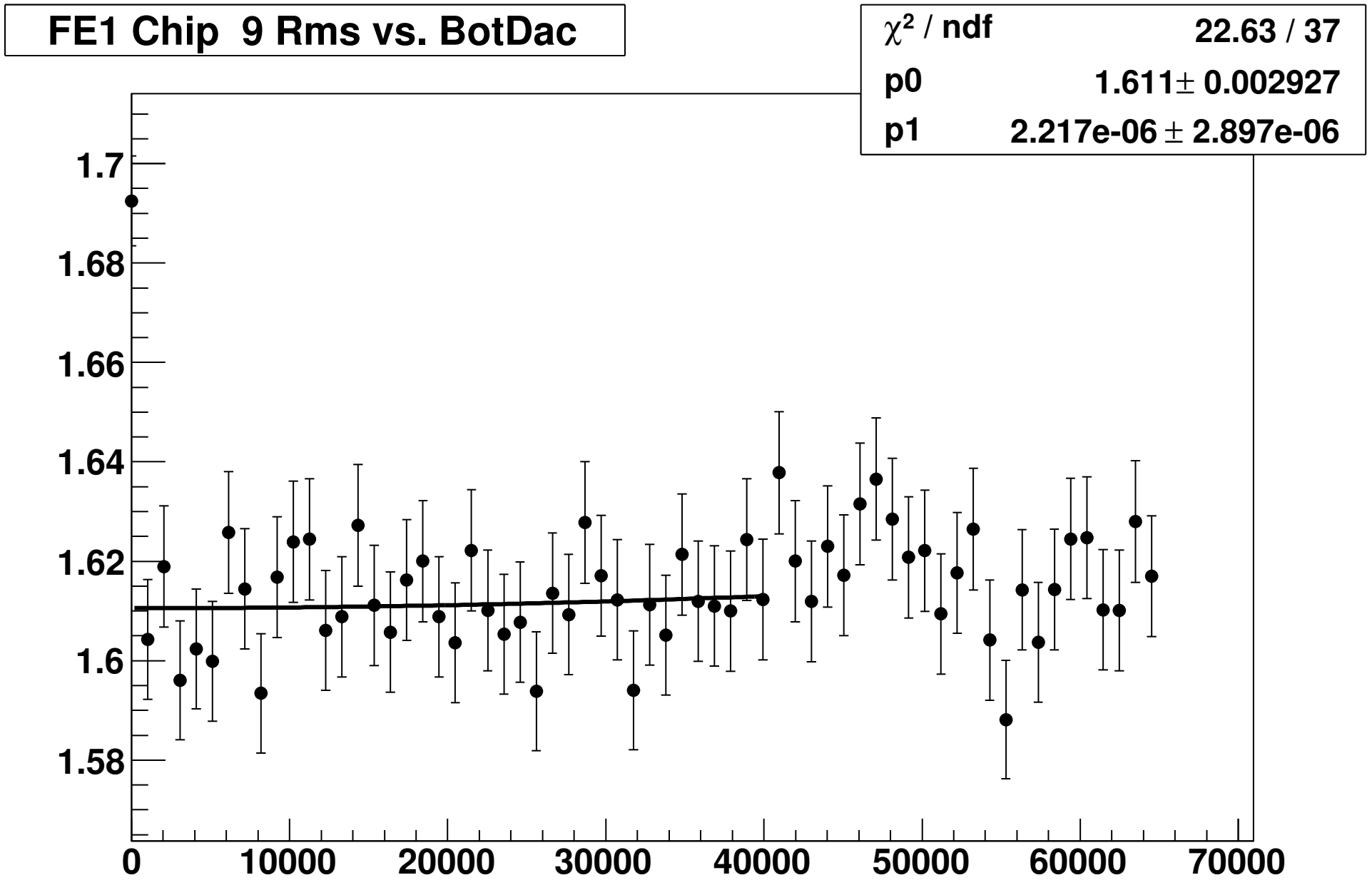

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 9.04e+04 / 37
p0 25.93 ± 0.005328
p1 0.4505 ± 2.517e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 838.2 / 37
p0 1.417 ± 0.002926
p1 3.688e-05 ± 2.086e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 198.9 / 37
p0 30.27 ± 0.005575
p1 9.674e-06 ± 2.373e-07
30.7
30.6
30.5
30.4
30.3
30.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 22.63 / 37
p0 1.611 ± 0.002927
p1 2.217e-06 ± 2.897e-06
1.7
1.68
1.66
1.64
1.62
1.6
1.58
0
10000
20000
30000
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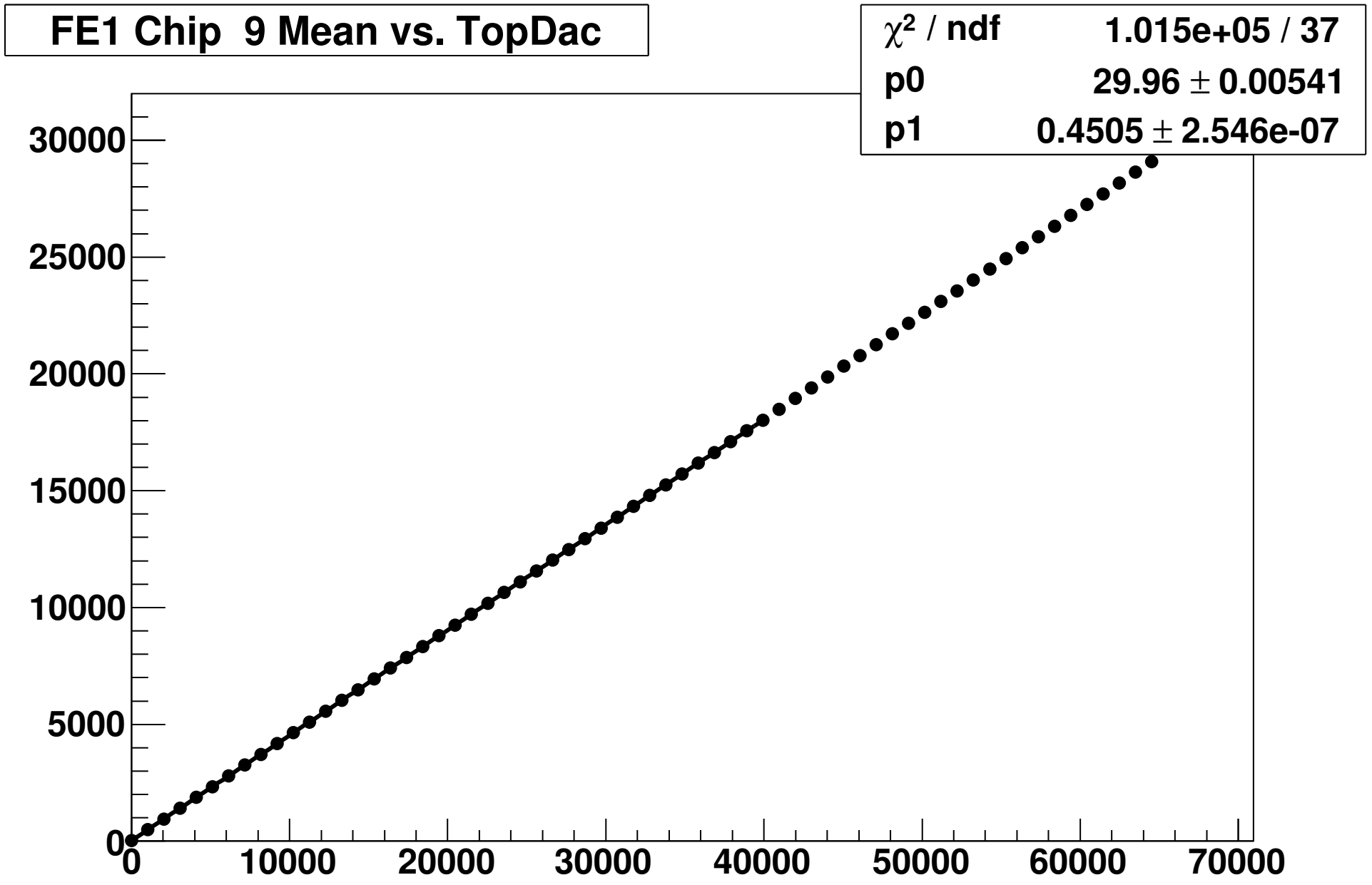
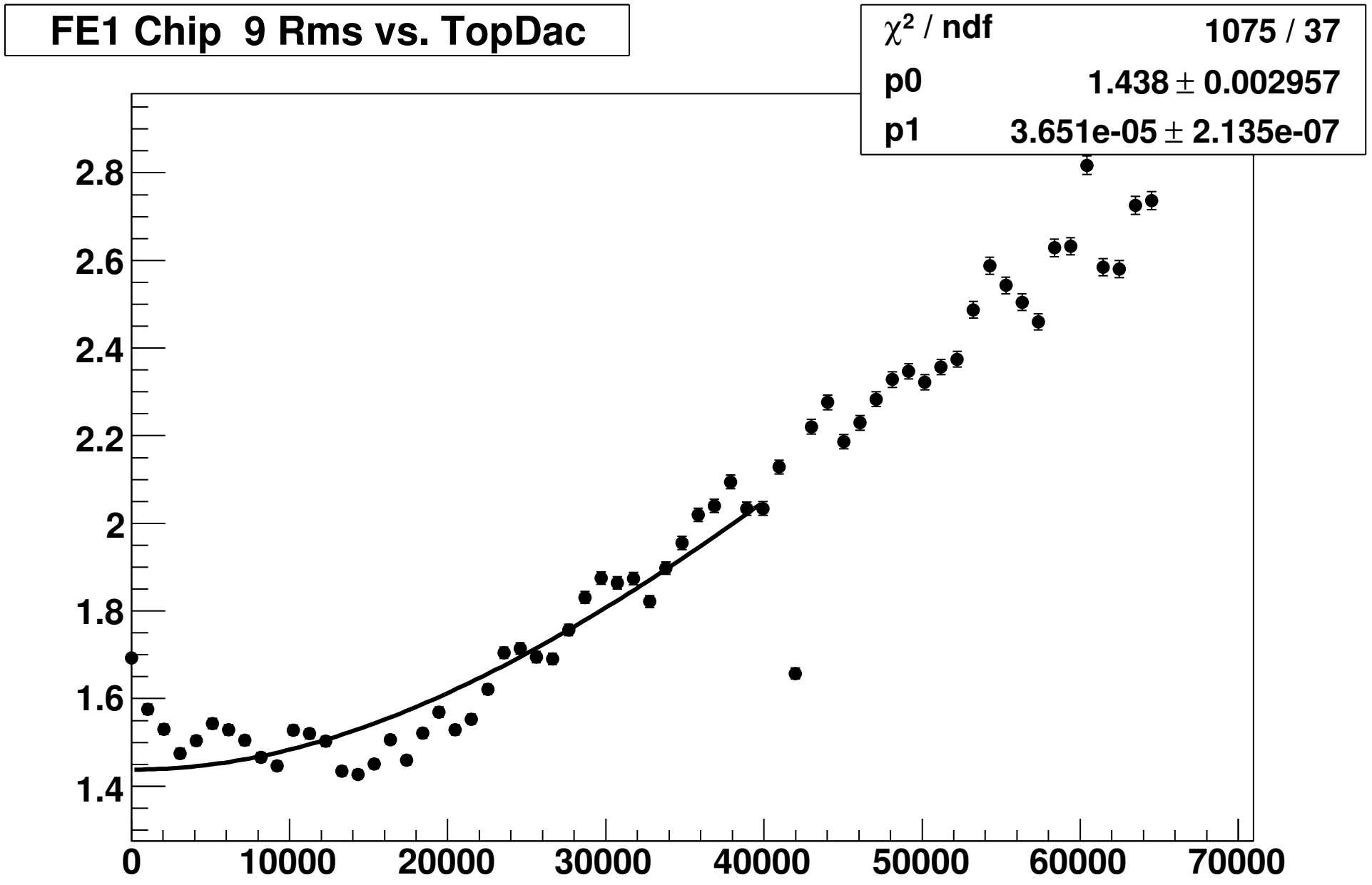
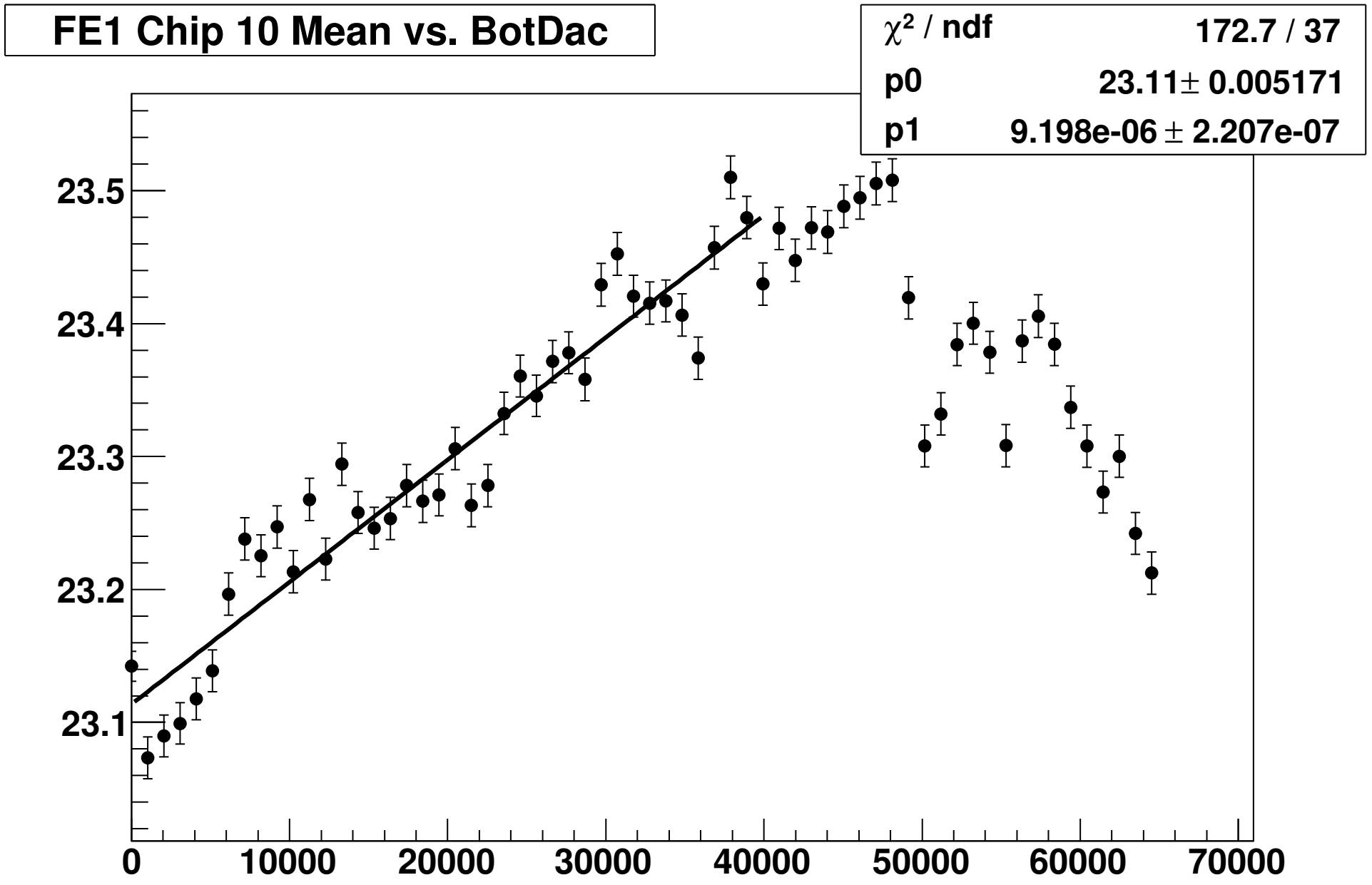
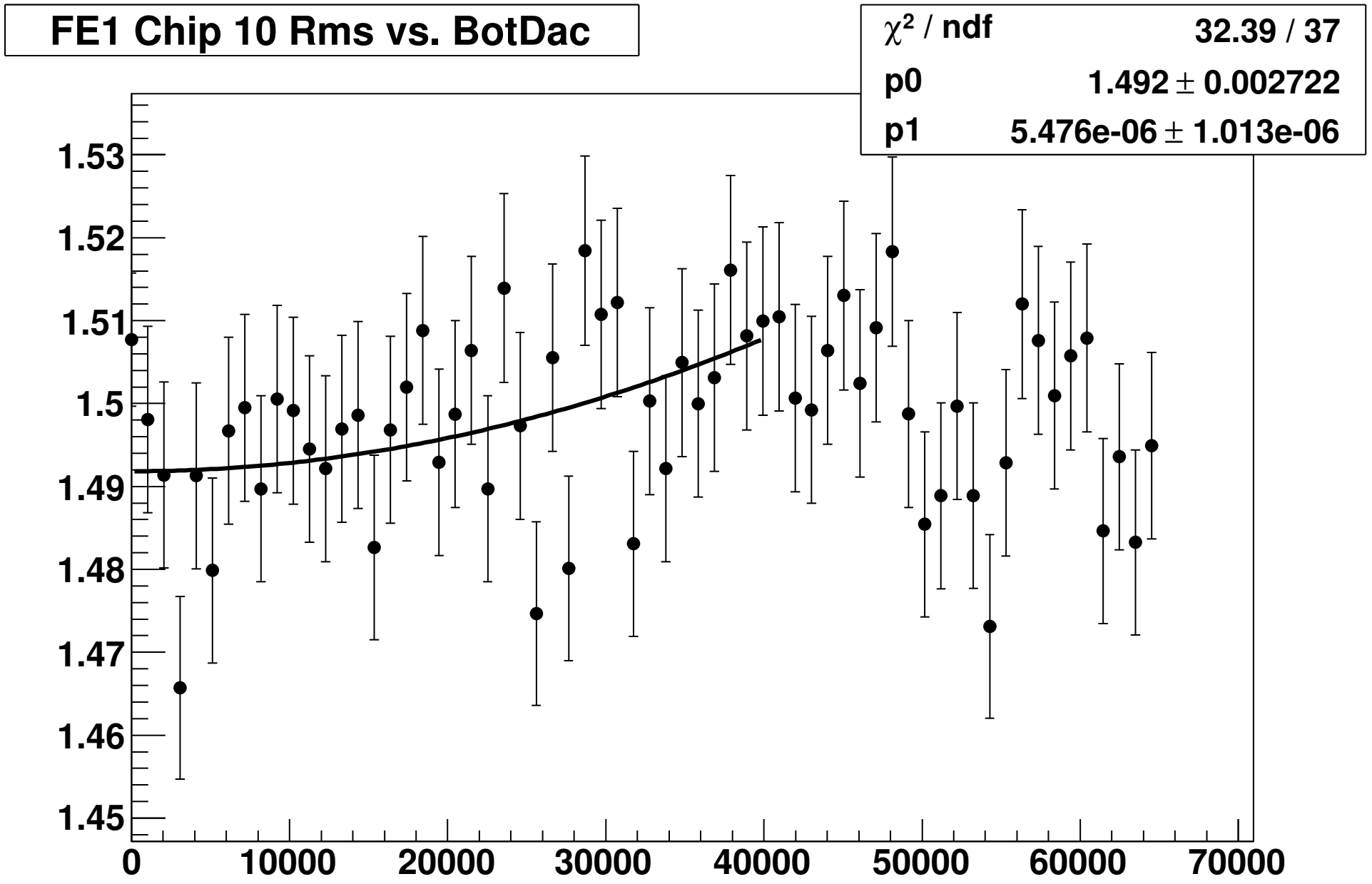
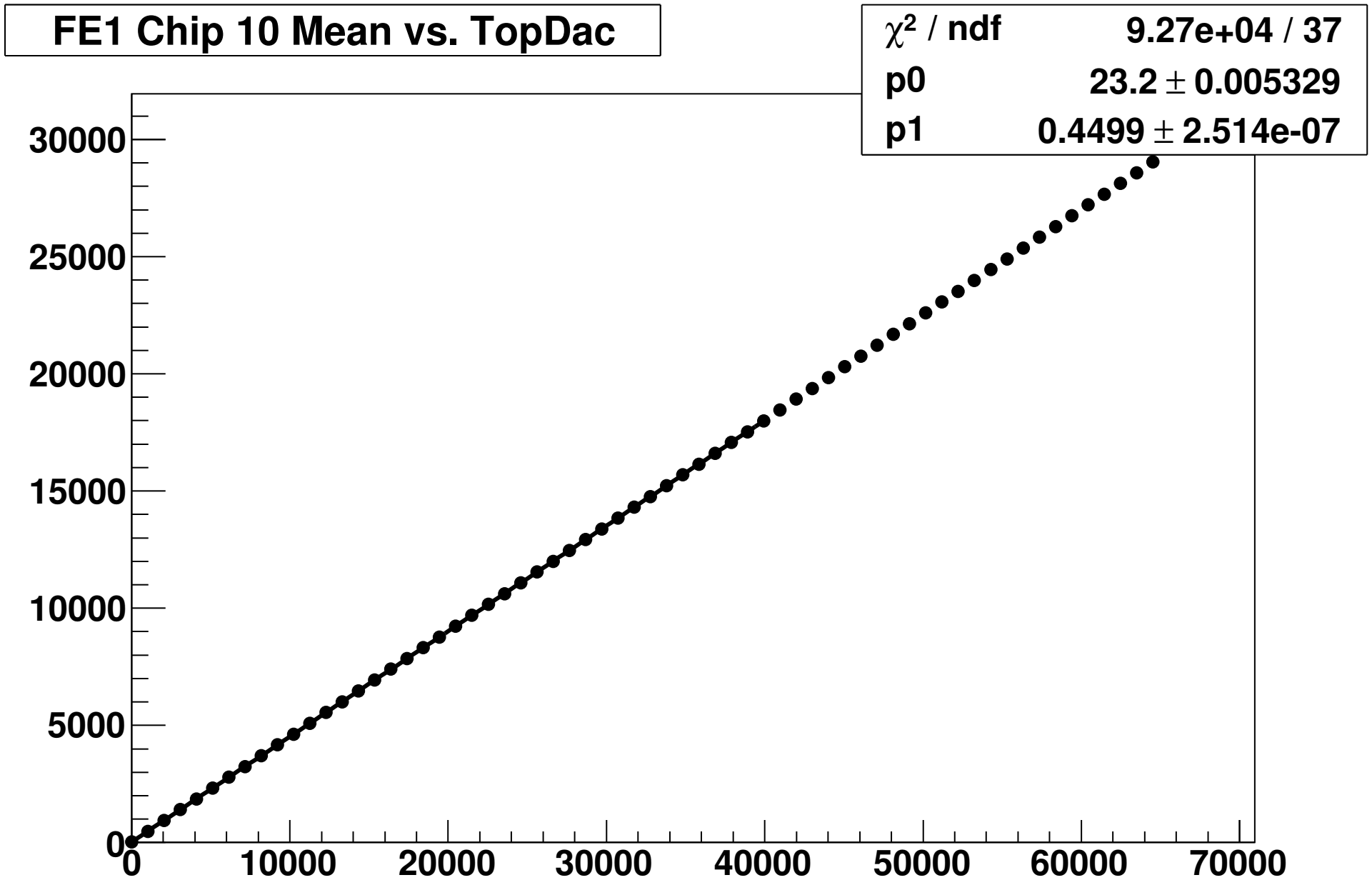
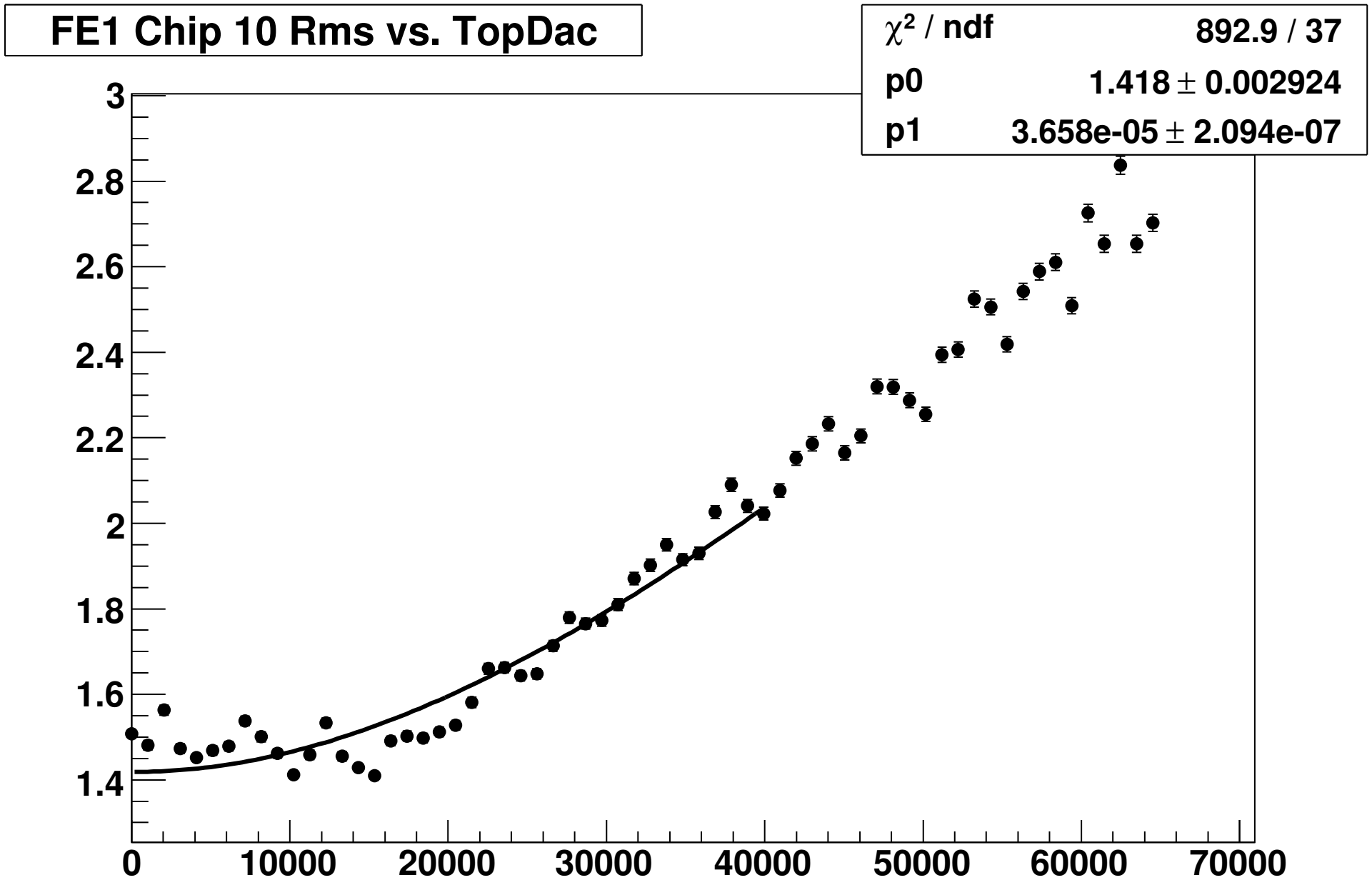

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.015e+05 / 37
p0 29.96 ± 0.00541
p1 0.4505 ± 2.546e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

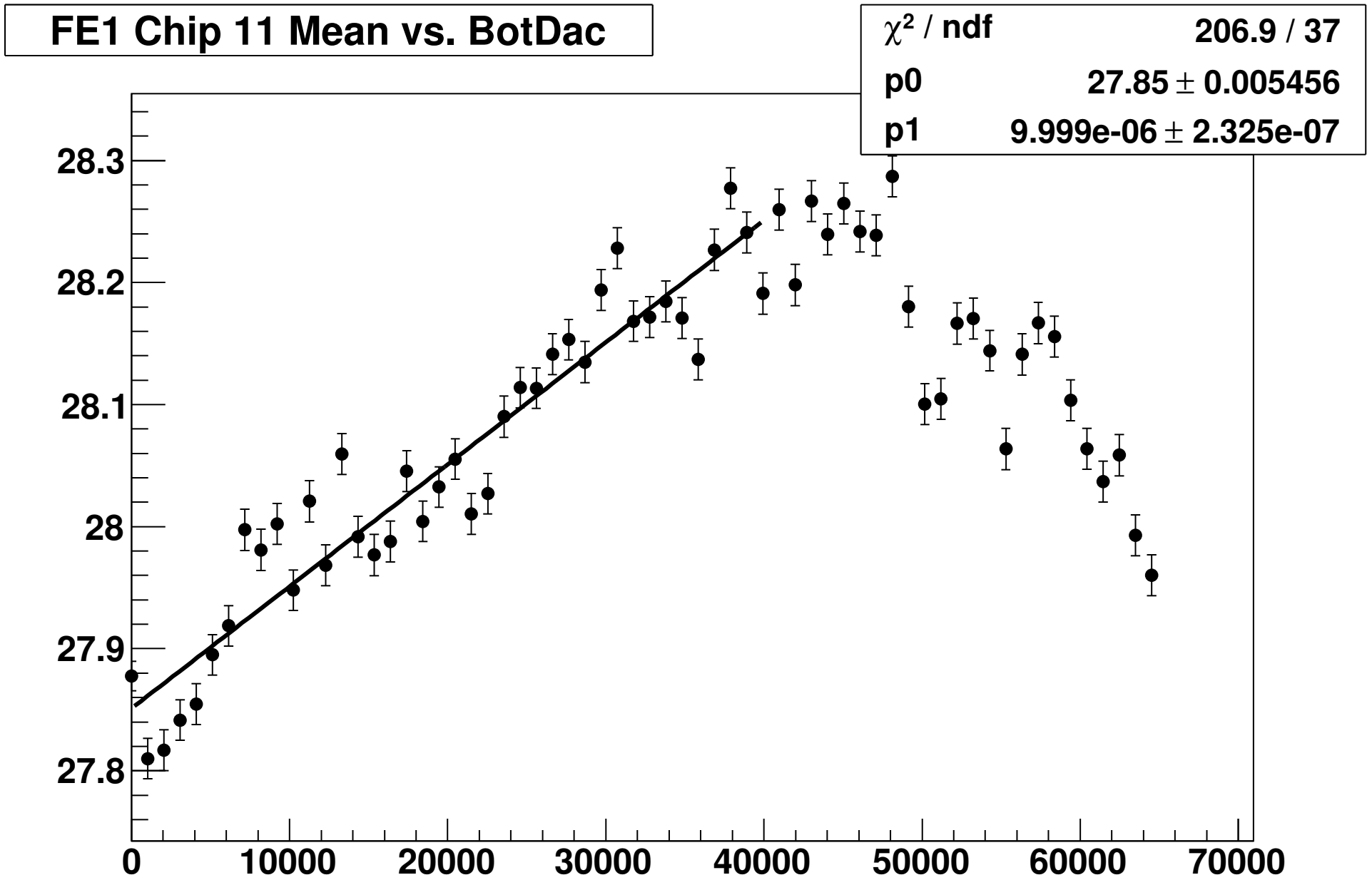

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1075 / 37
p0 1.438 ± 0.002957
p1 3.651e-05 ± 2.135e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

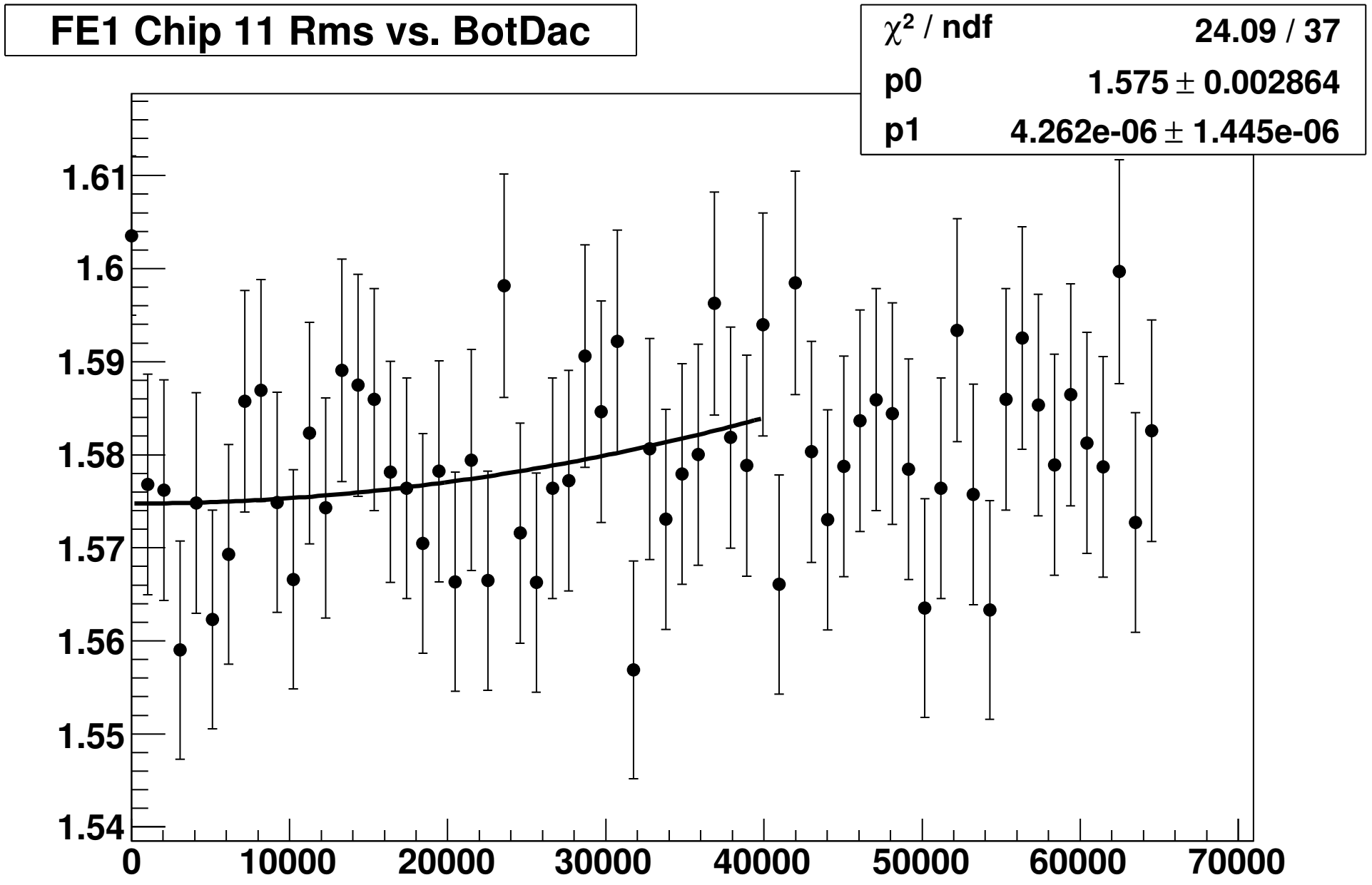

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 172.7 / 37
p0 23.11± 0.005171
p1 9.198e-06 ± 2.207e-07
23.5
23.4
23.3
23.2
23.1
0
10000
20000
30000
40000
50000
60000
70000

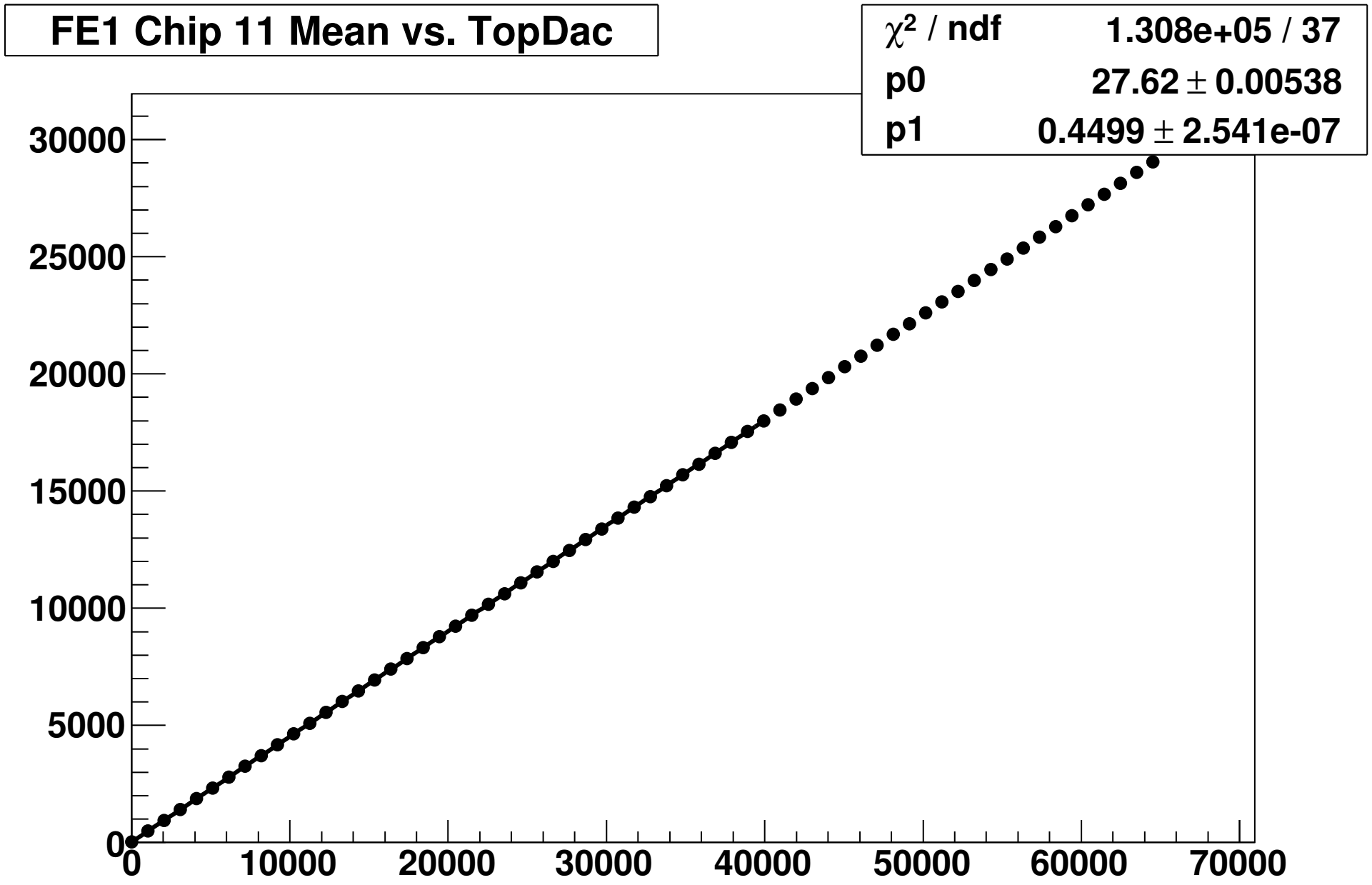

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 32.39 / 37
p0 1.492 ± 0.002722
p1 5.476e-06 ± 1.013e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

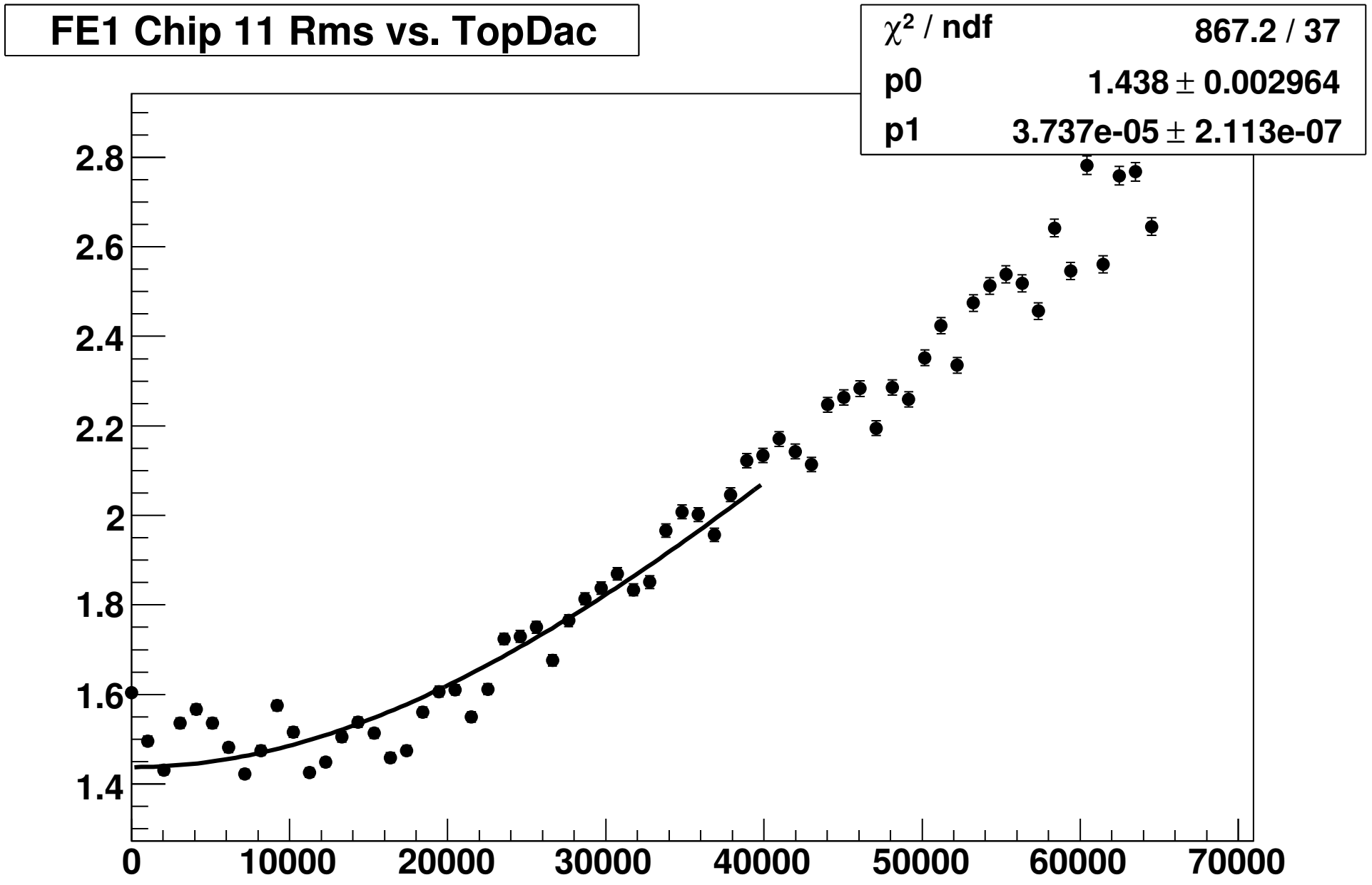

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 9.27e+04 / 37
p0 23.2 ± 0.005329
p1 0.4499 ± 2.514e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

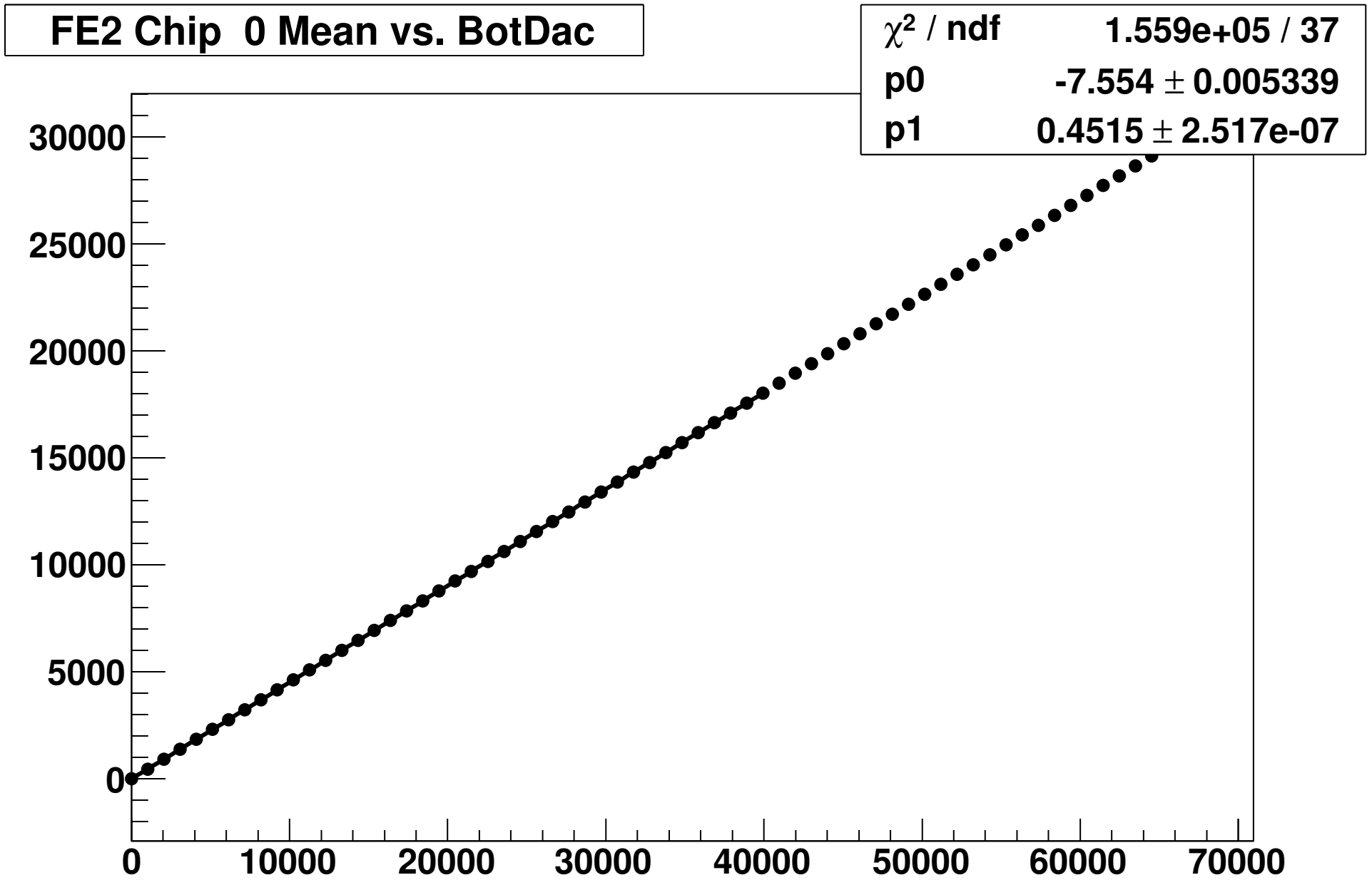

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 892.9 / 37
p0 1.418 ± 0.002924
p1 3.658e-05 ± 2.094e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

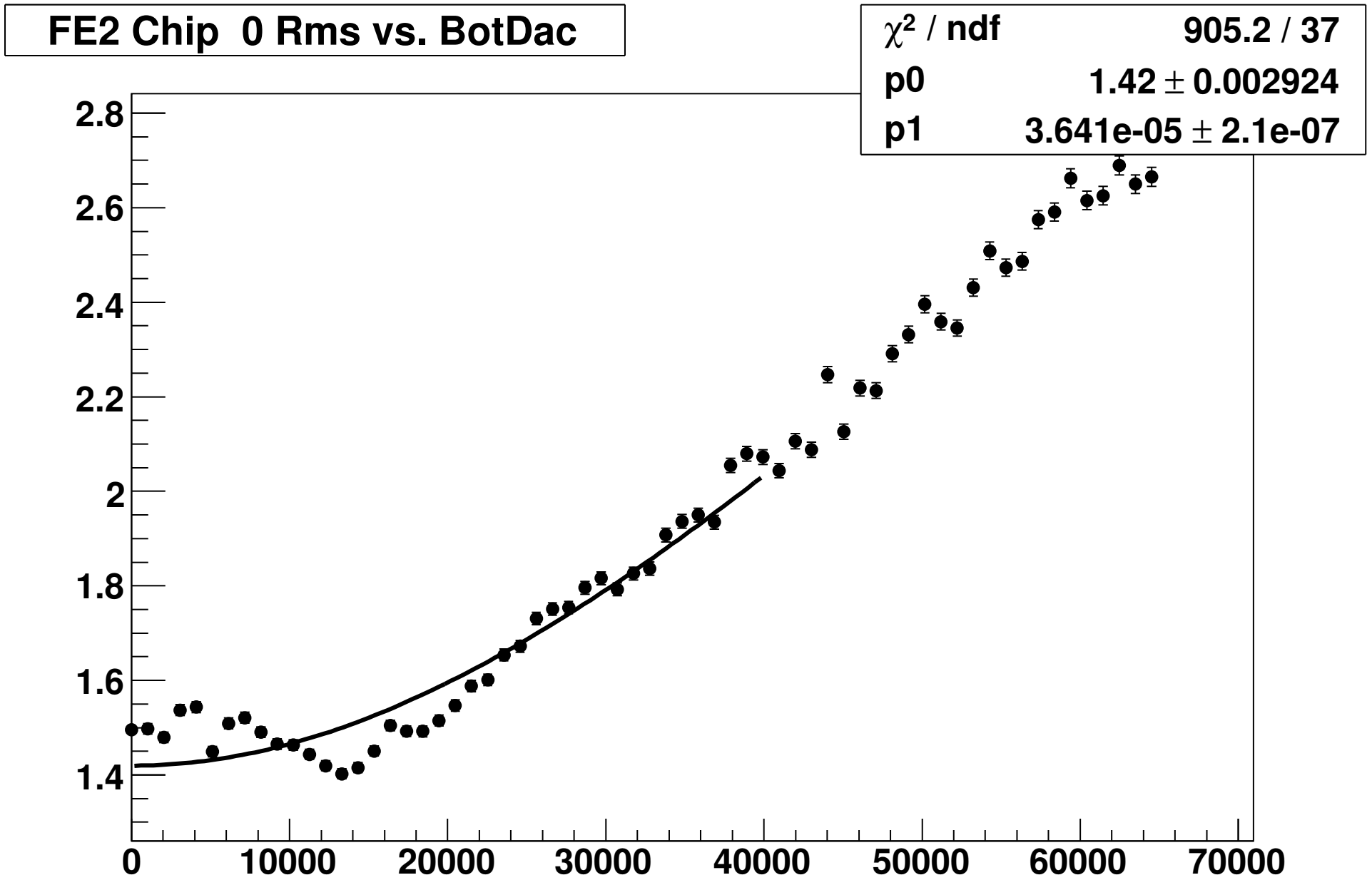

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 206.9 / 37
p0 27.85 ± 0.005456
p1 9.999e-06 ± 2.325e-07
28.3
28.2
28.1
28
27.9
27.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 24.09 / 37
p0 1.575 ± 0.002864
p1 4.262e-06 ± 1.445e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.308e+05 / 37
p0 27.62 ± 0.00538
p1 0.4499 ± 2.541e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 867.2 / 37
p0 1.438 ± 0.002964
p1 3.737e-05 ± 2.113e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.559e+05 / 37
p0 -7.554 ± 0.005339
p1 0.4515 ± 2.517e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 905.2 / 37
p0 1.42 ± 0.002924
p1 3.641e-05 ± 2.1e-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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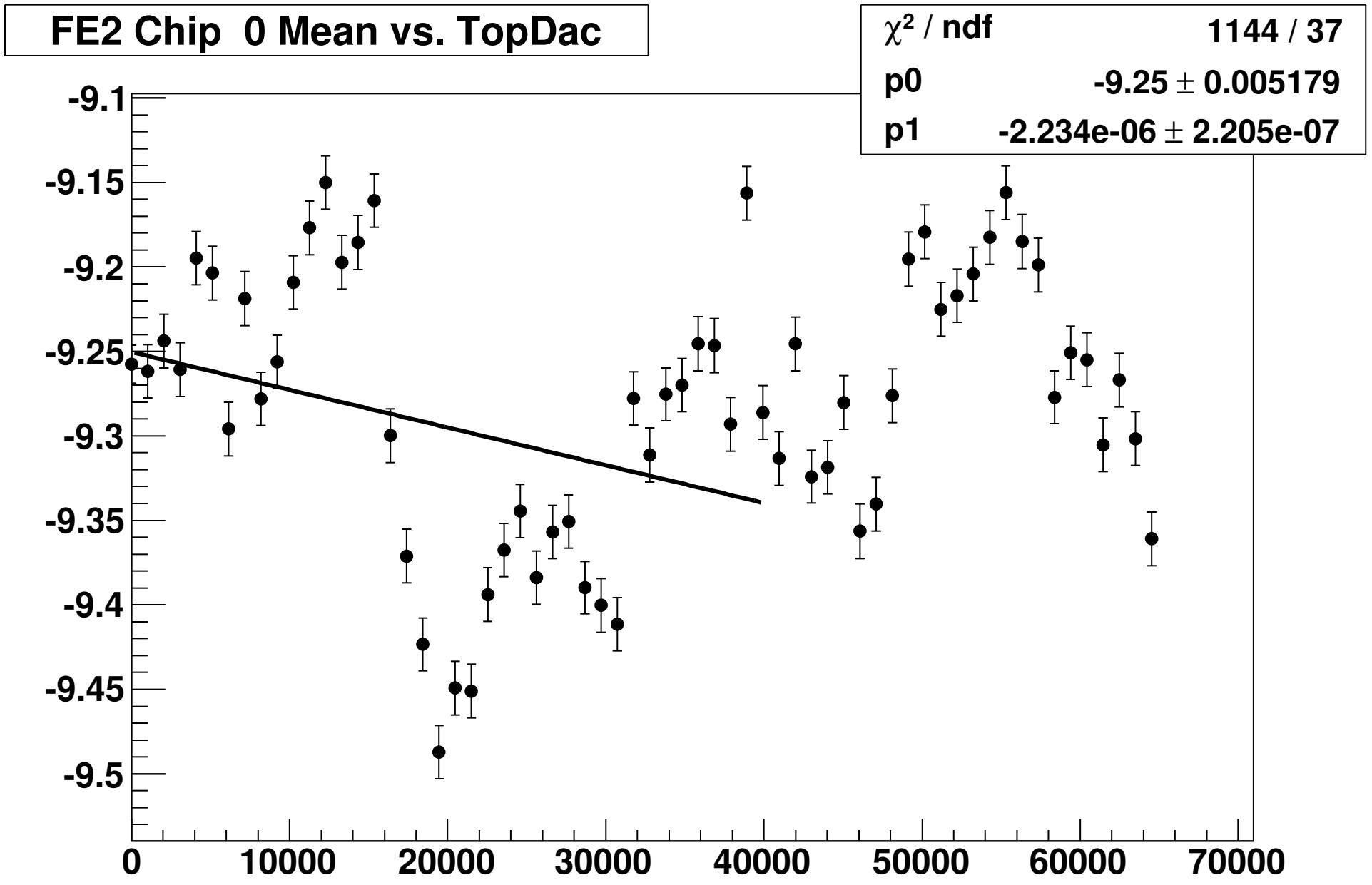
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 1144 / 37
p0 -9.25 ± 0.005179
p1 -2.234e-06 ± 2.205e-07
-9.1
-9.15
-9.2
-9.25
-9.3
-9.35
-9.4
-9.45
-9.5
0
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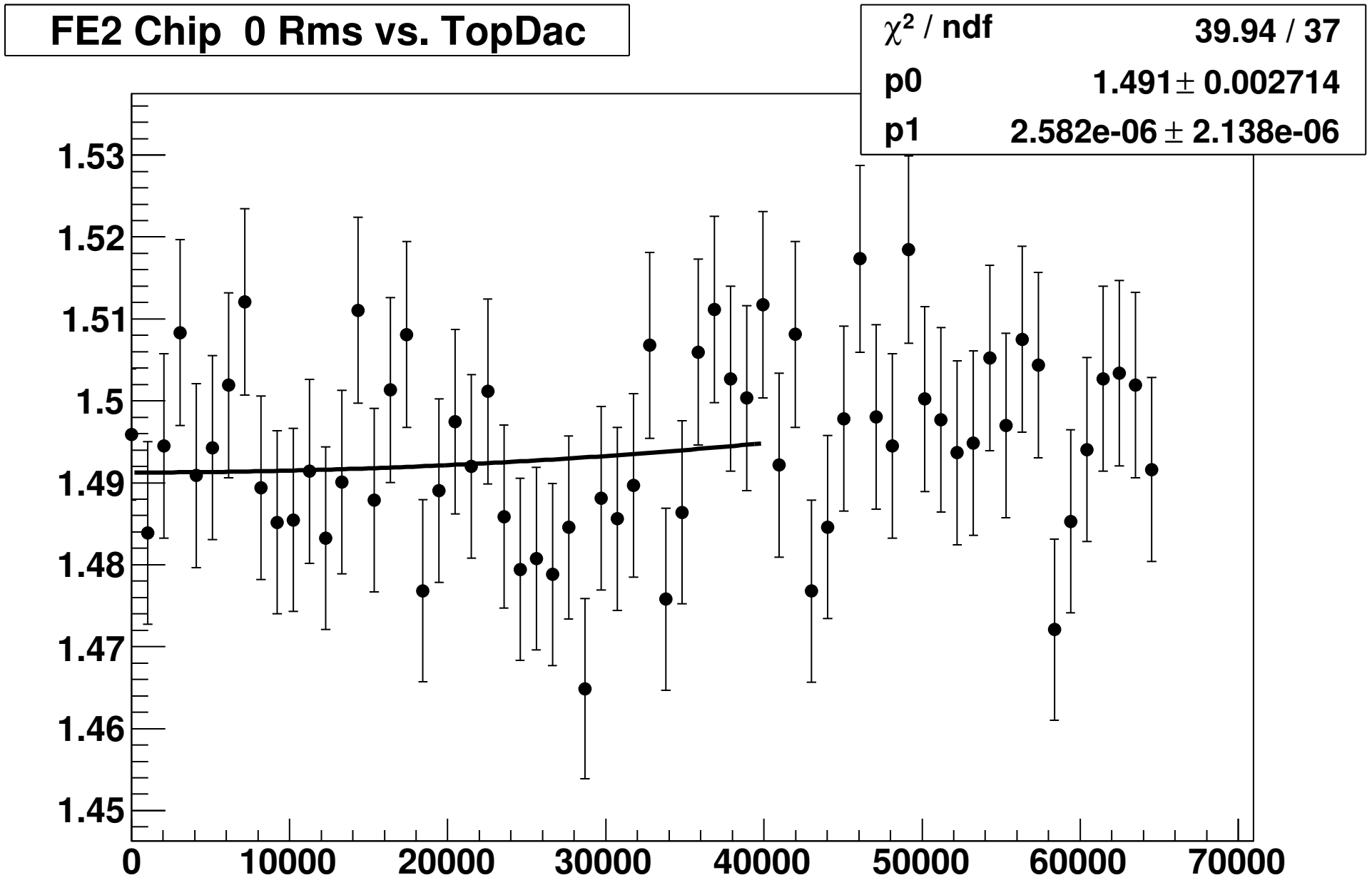
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 39.94 / 37
p0 1.491 ± 0.002714
p1 2.582e-06 ± 2.138e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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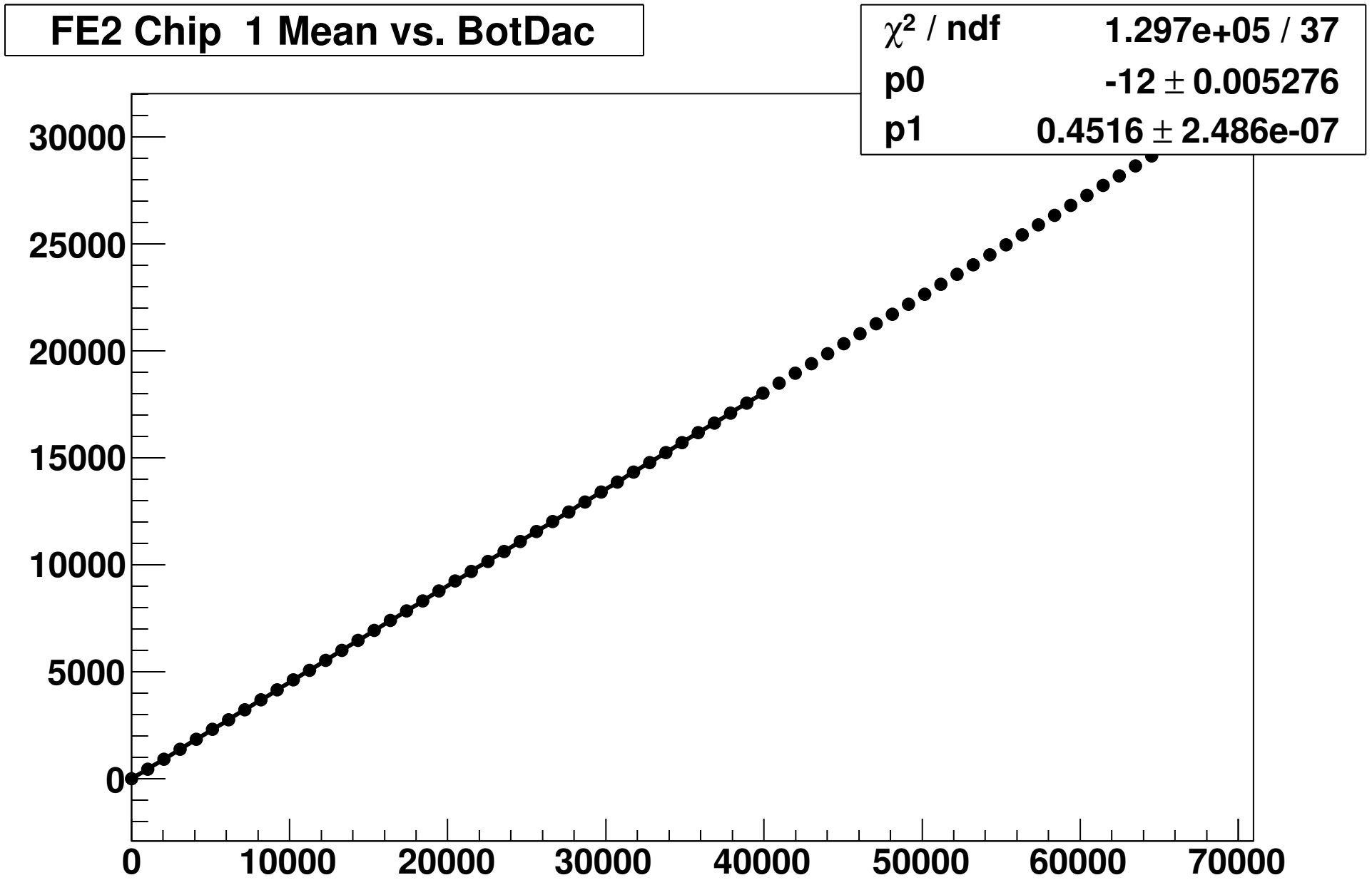
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.297e+05 / 37
p0 -12 ± 0.005276
p1 0.4516 ± 2.486e-07
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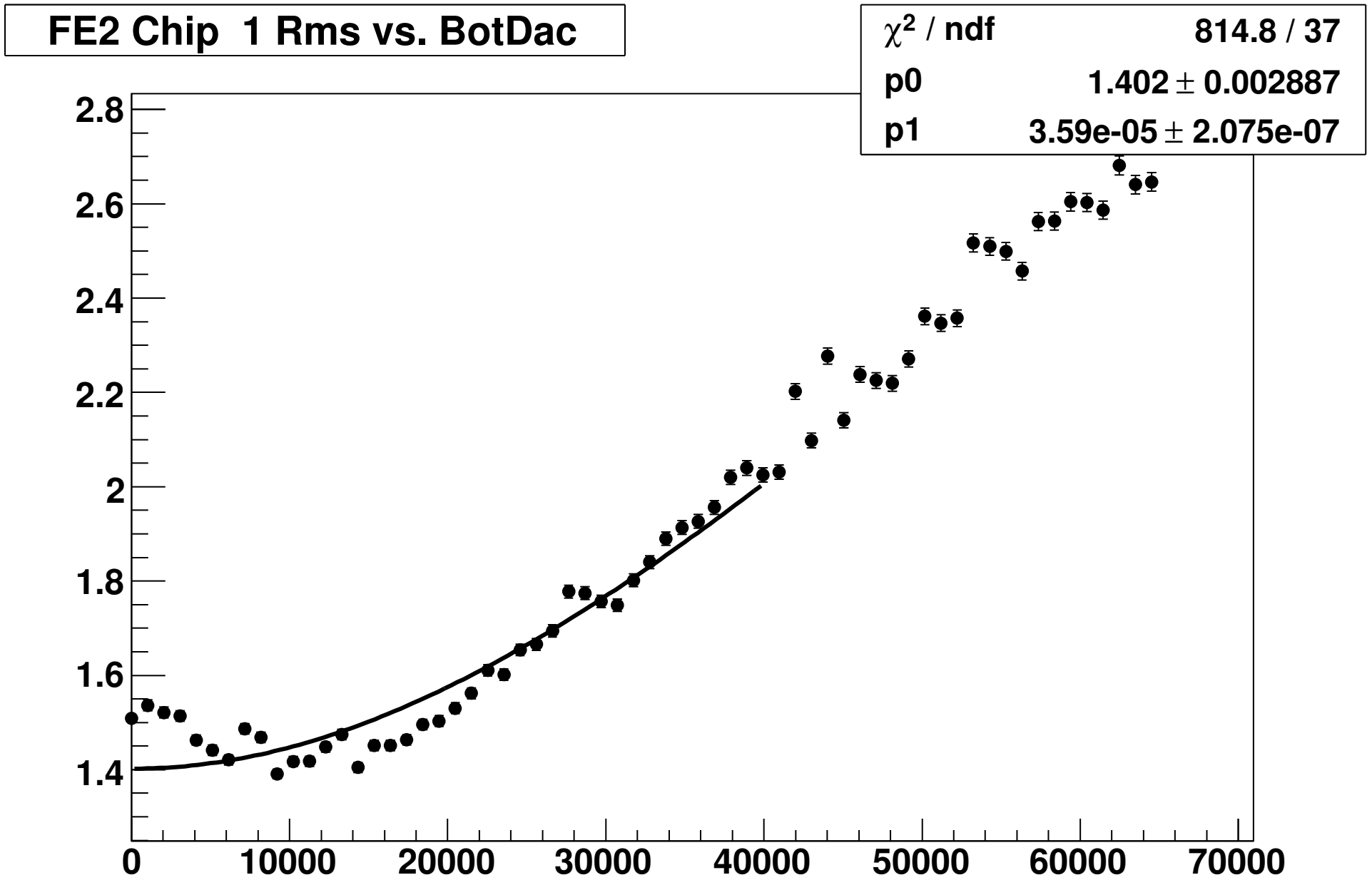
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 814.8 / 37
p0 1.402 ± 0.002887
p1 3.59e-05 ± 2.075e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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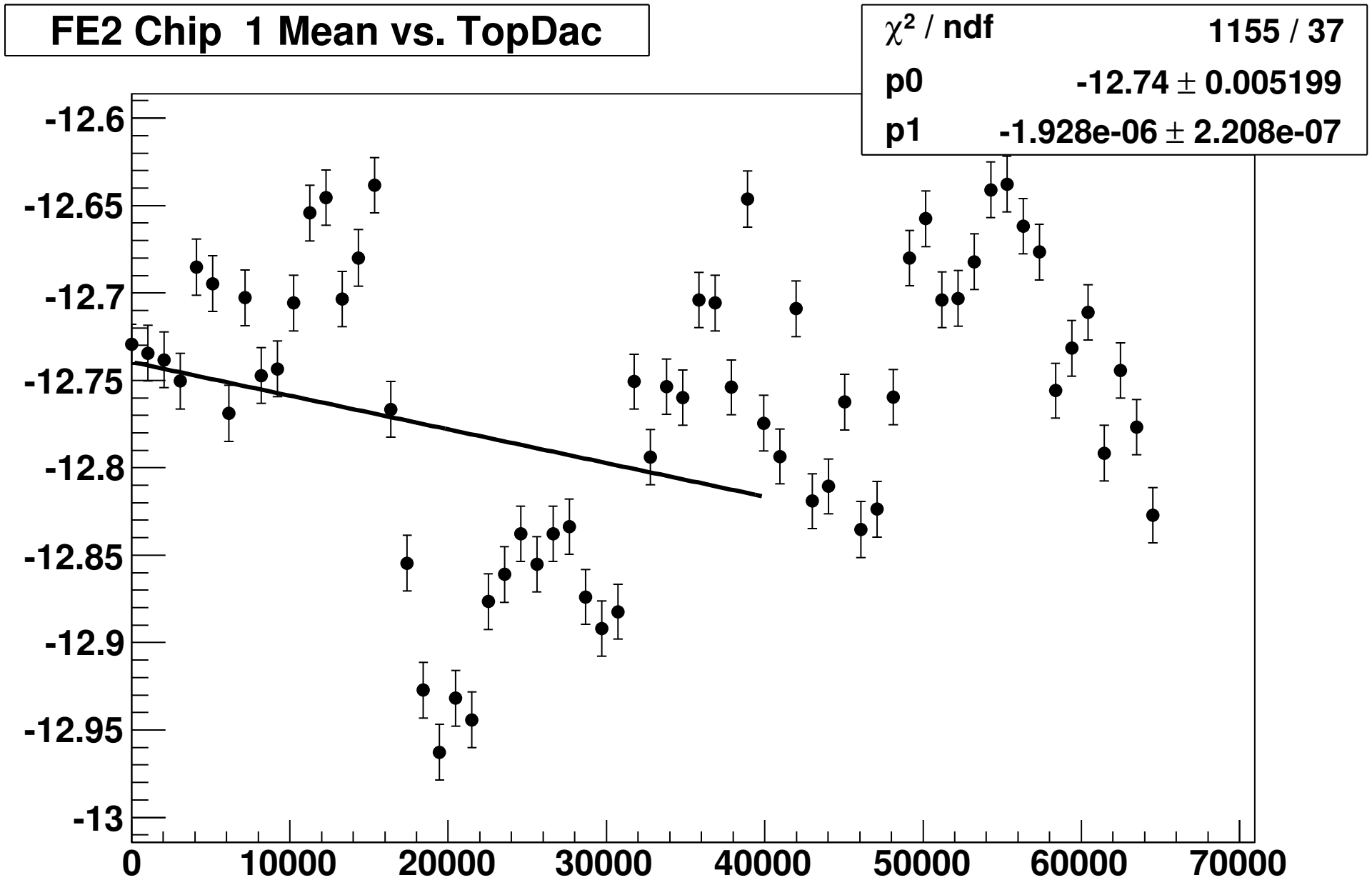
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 1155 / 37
p0 -12.74 ± 0.005199
p1 -1.928e-06 ± 2.208e-07
-12.6
-12.65
-12.7
-12.75
-12.8
-12.85
-12.9
-12.95
-13
0
10000
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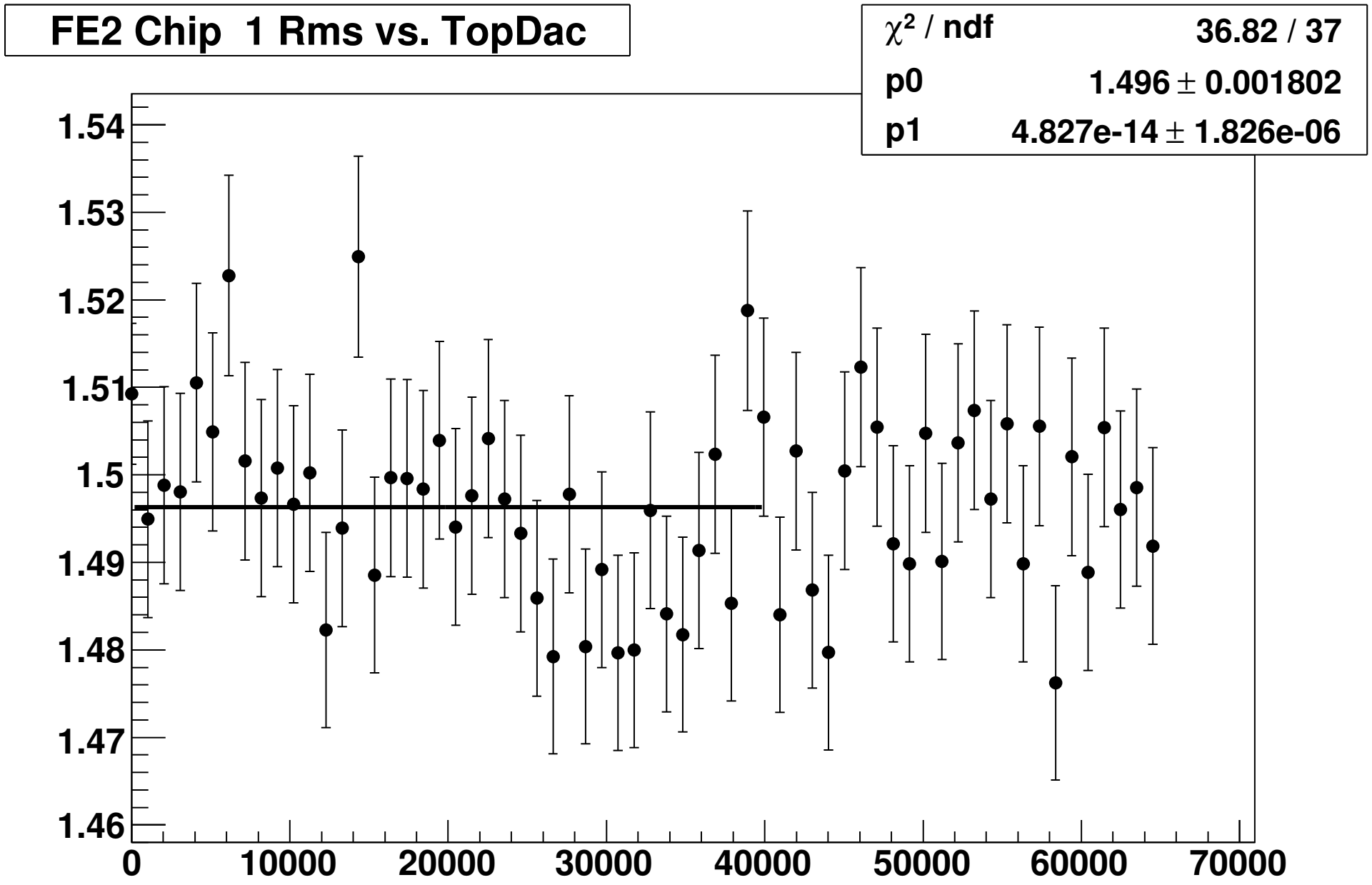
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 36.82 / 37
p0 1.496 ± 0.001802
p1 4.827e-14 ± 1.826e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
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50000
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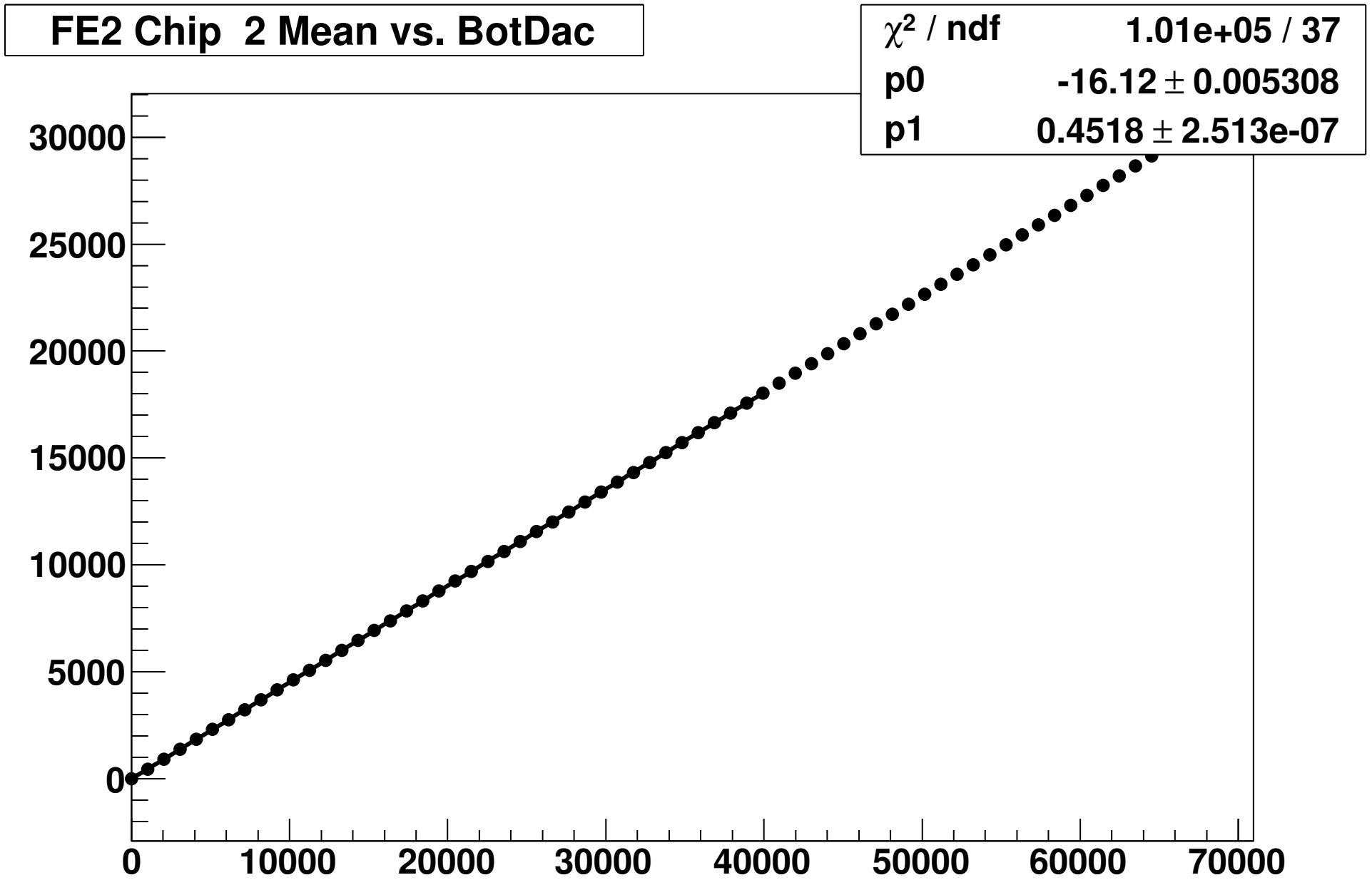
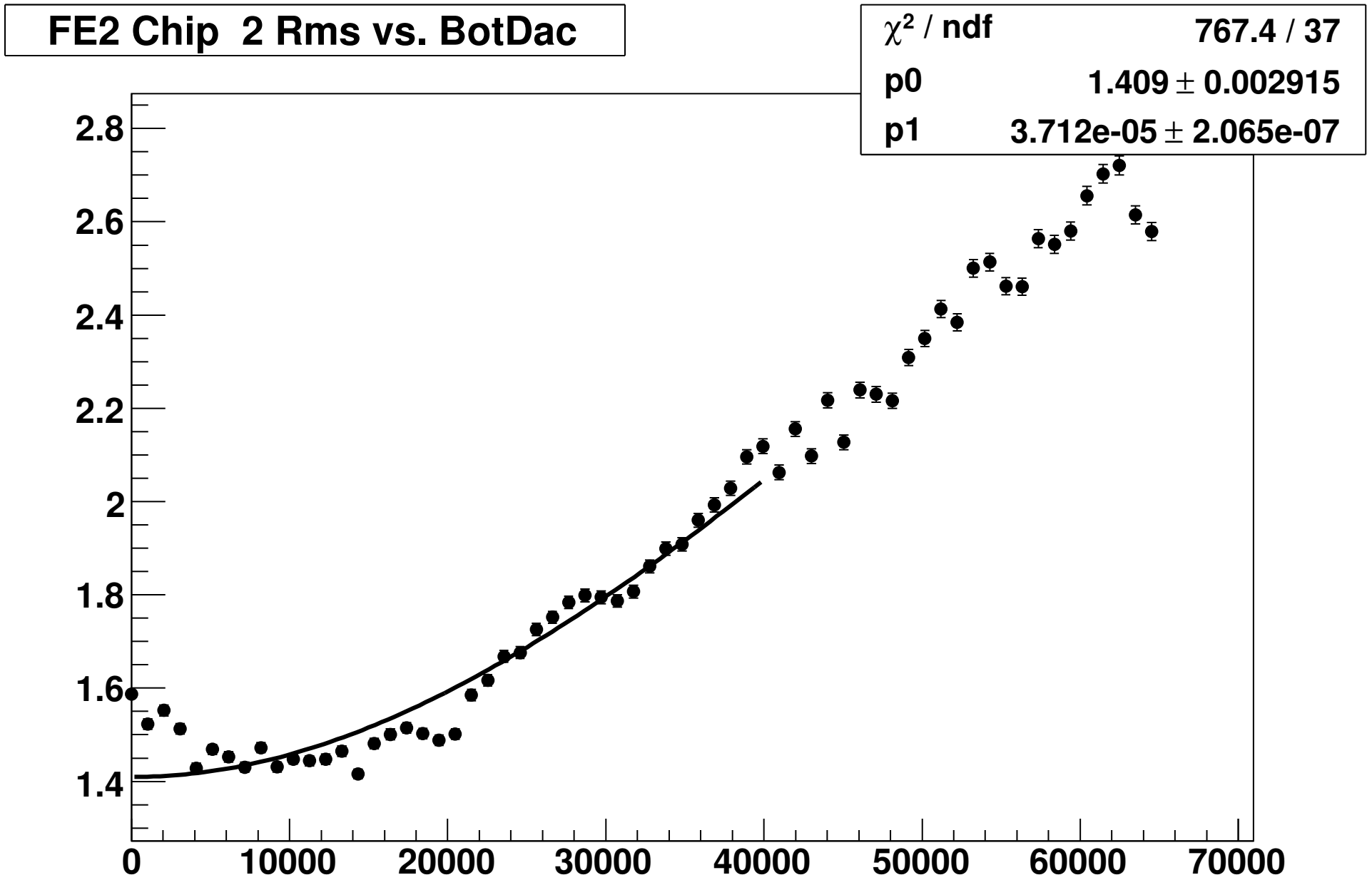

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.01e+05 / 37
p0 -16.12 ± 0.005308
p1 0.4518 ± 2.513e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 767.4 / 37
p0 1.409 ± 0.002915
p1 3.712e-05 ± 2.065e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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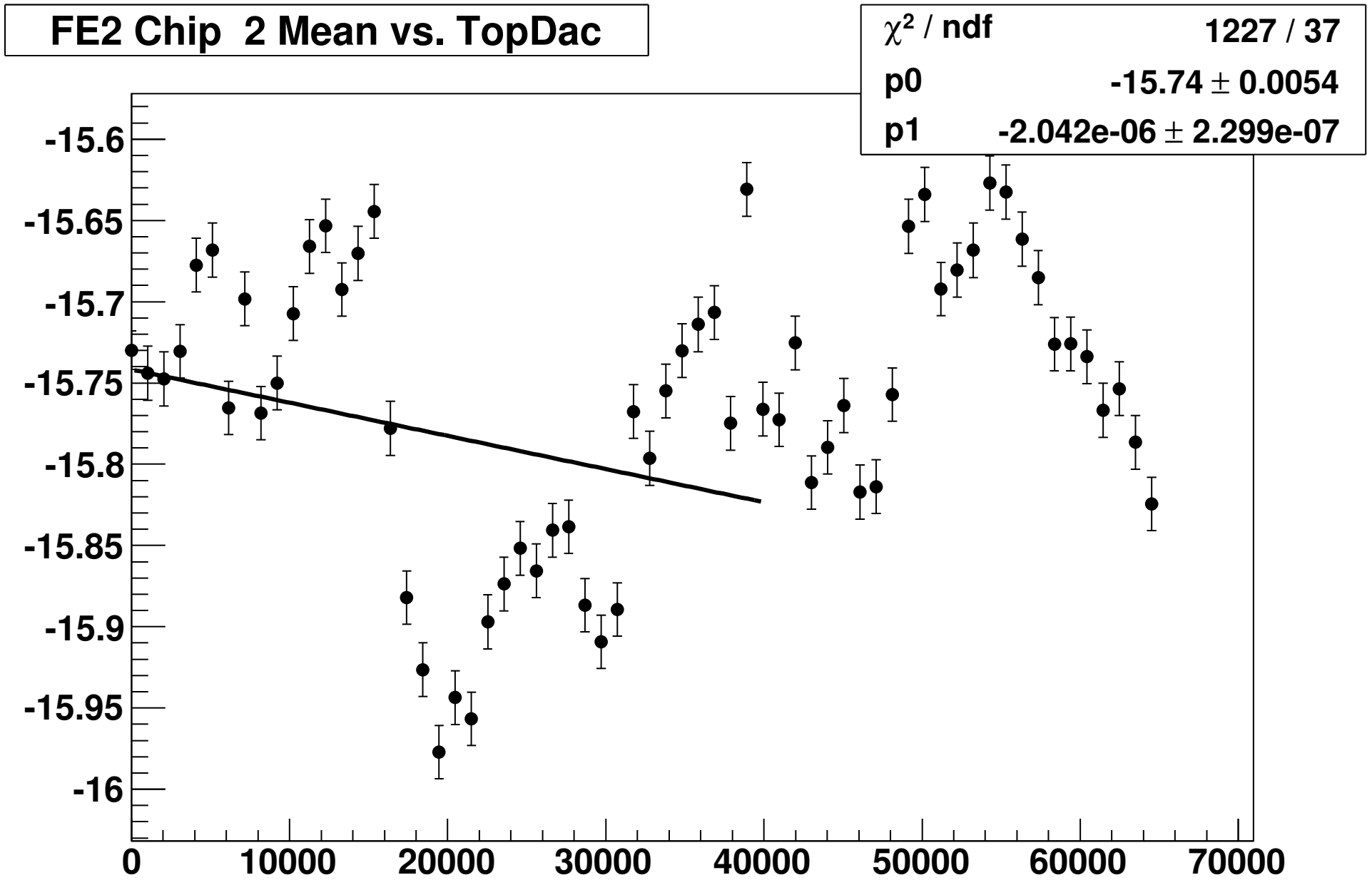
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 1227 / 37
p0 -15.74 ± 0.0054
p1 -2.042e-06 ± 2.299e-07
-15.6
-15.65
-15.7
-15.75
-15.8
-15.85
-15.9
-15.95
-16
0
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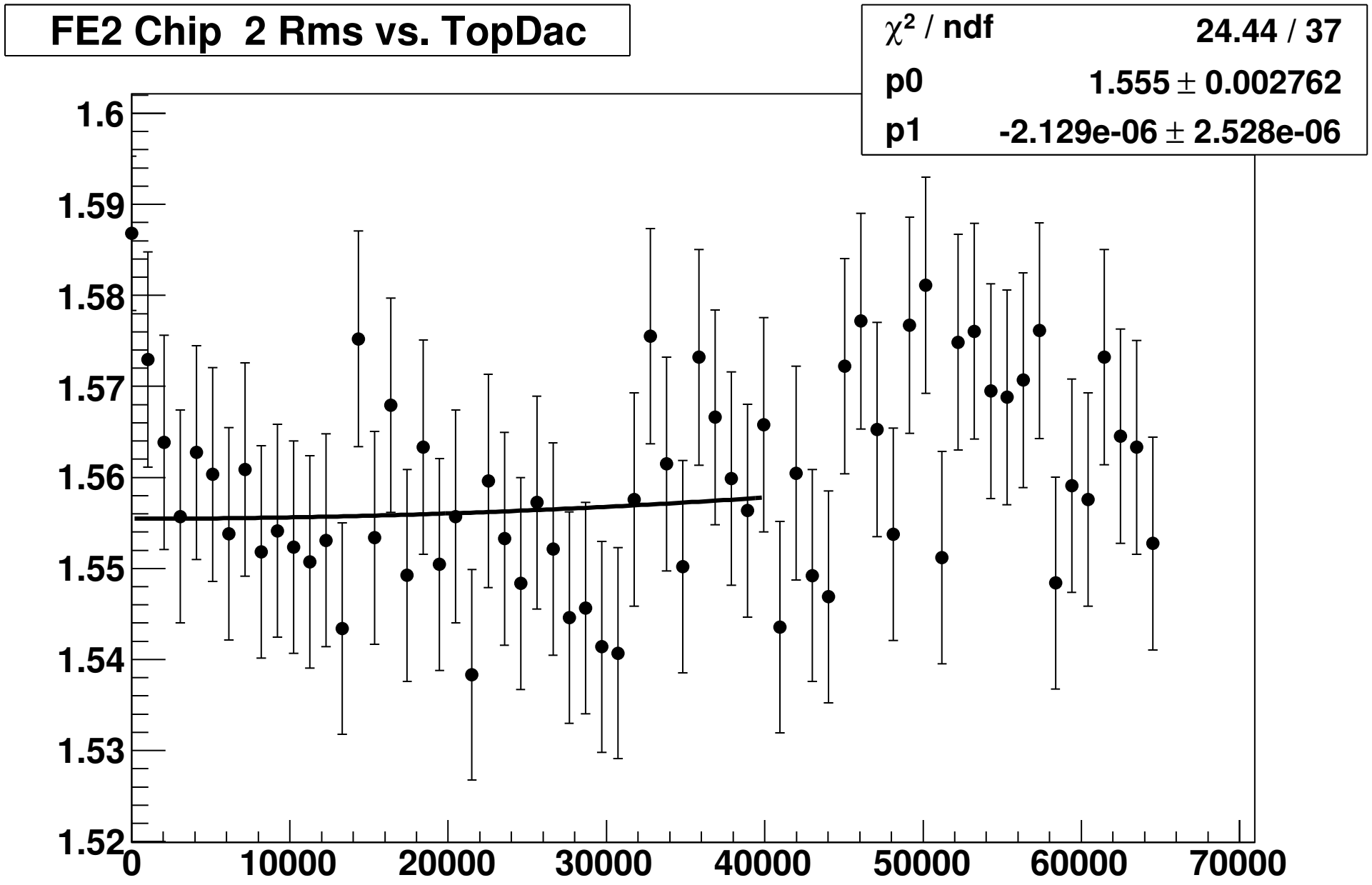
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 24.44 / 37
p0 1.555 ± 0.002762
p1 -2.129e-06 ± 2.528e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
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50000
60000
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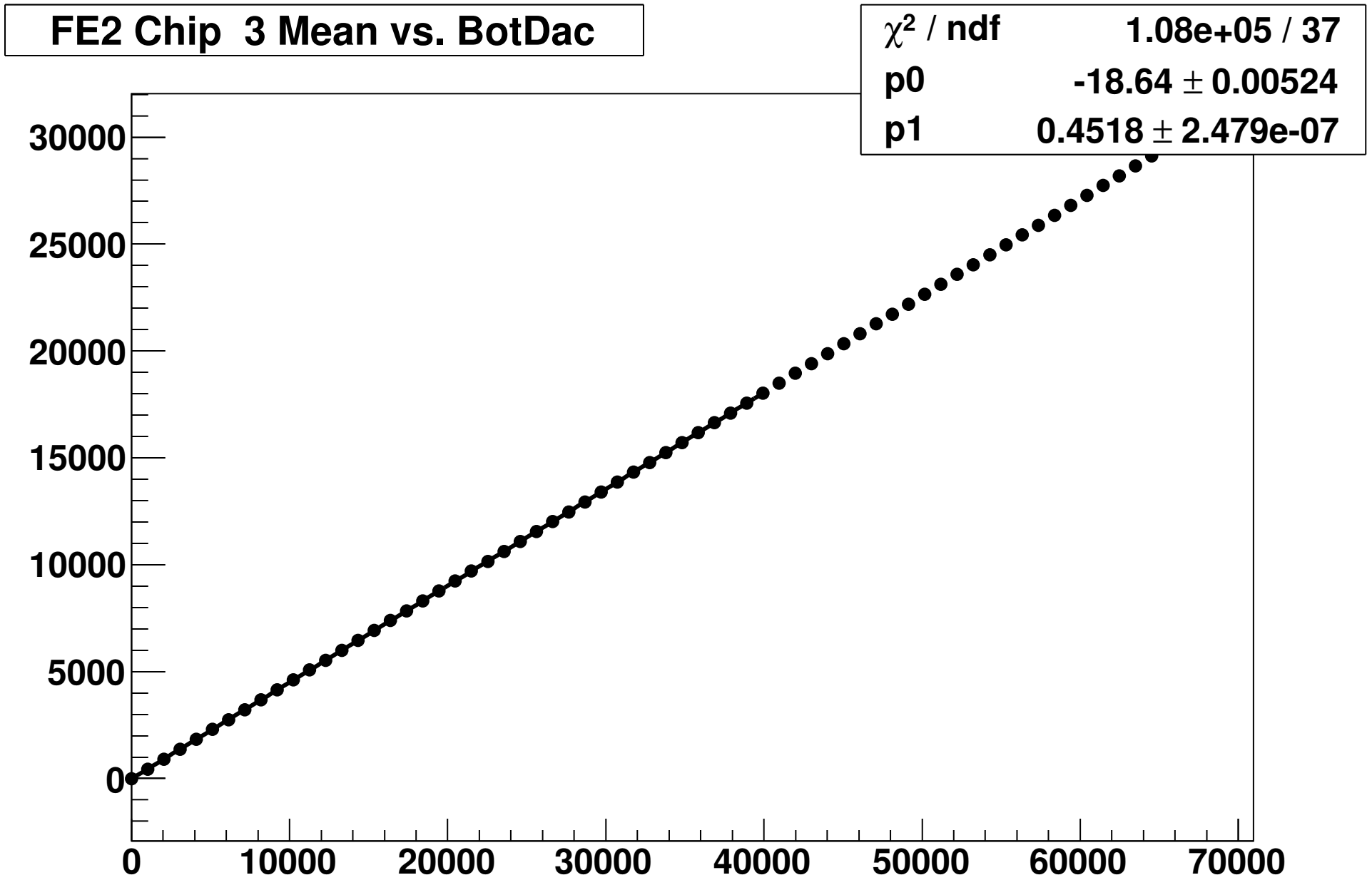
FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.08e+05 / 37
p0 -18.64 ± 0.00524
p1 0.4518 ± 2.479e-07
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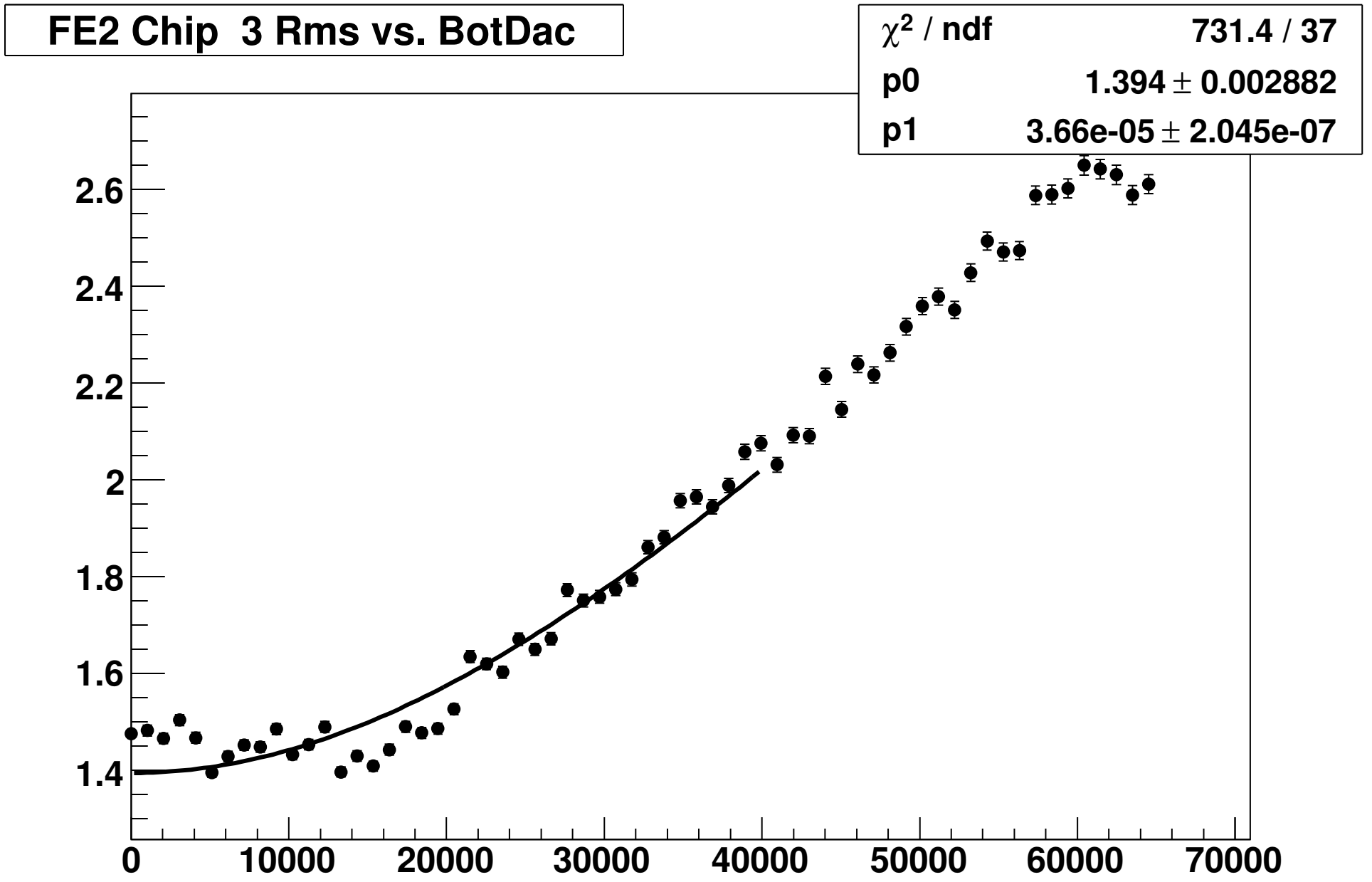
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 731.4 / 37
p0 1.394 ± 0.002882
p1 3.66e-05 ± 2.045e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
50000
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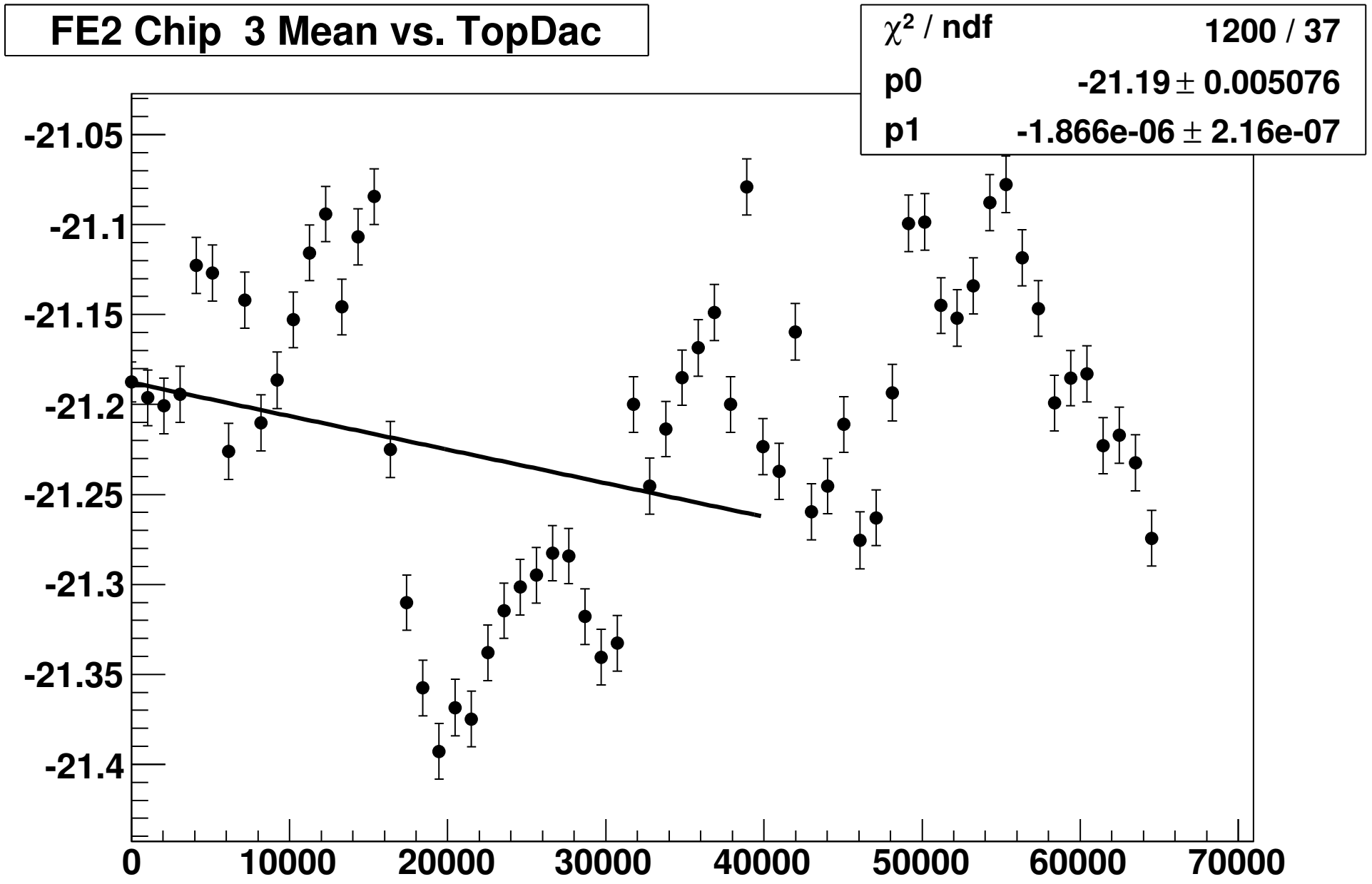
FE2 Chip 3 Mean vs. TopDac
χ² / ndf 1200 / 37
p0 -21.19 ± 0.005076
p1 -1.866e-06 ± 2.16e-07
-21.05
-21.1
-21.15
-21.2
-21.25
-21.3
-21.35
-21.4
0
10000
20000
30000
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50000
60000
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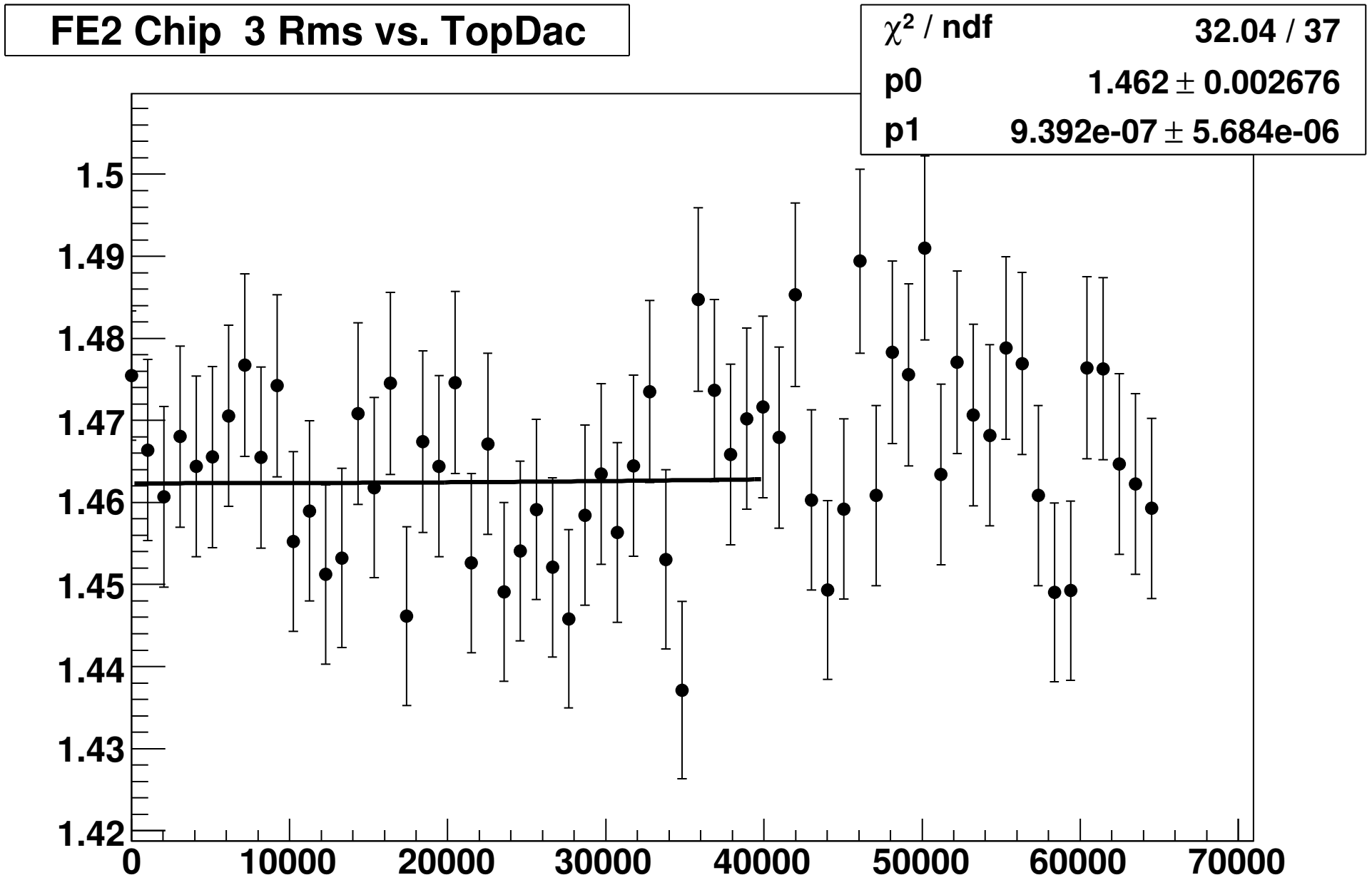
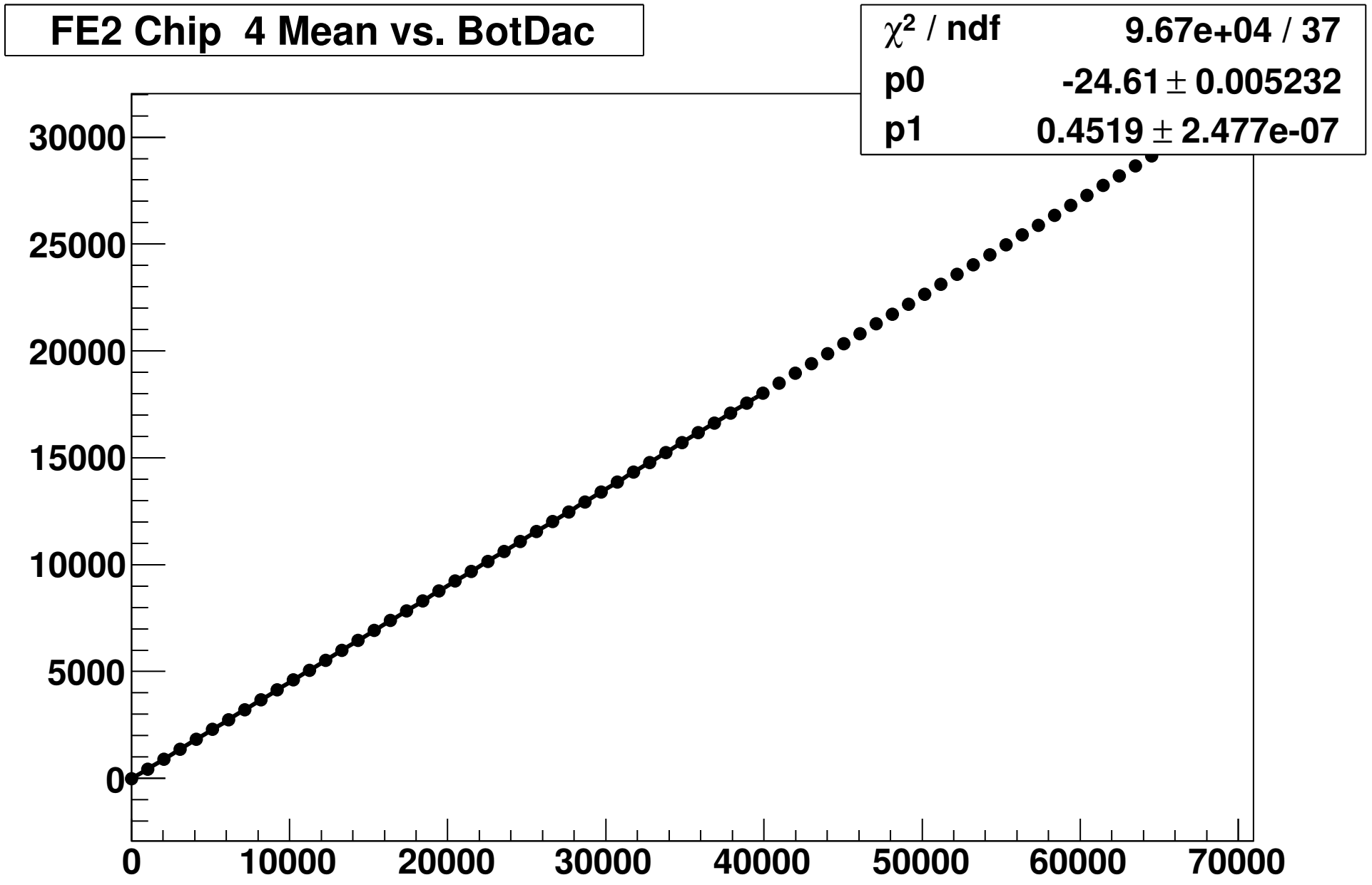

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 32.04 / 37
p0 1.462 ± 0.002676
p1 9.392e-07 ± 5.684e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 9.67e+04 / 37
p0 -24.61 ± 0.005232
p1 0.4519 ± 2.477e-07
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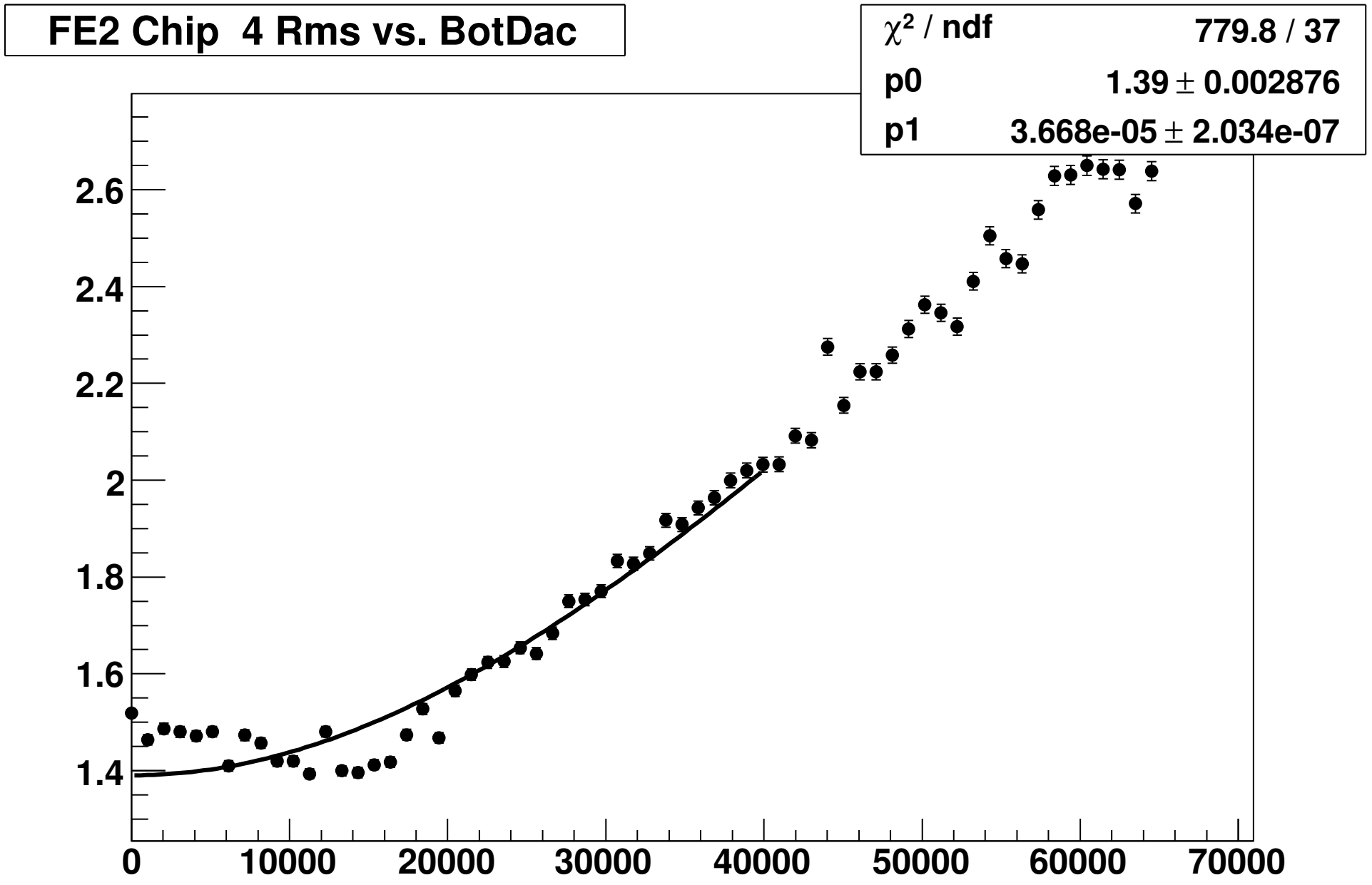
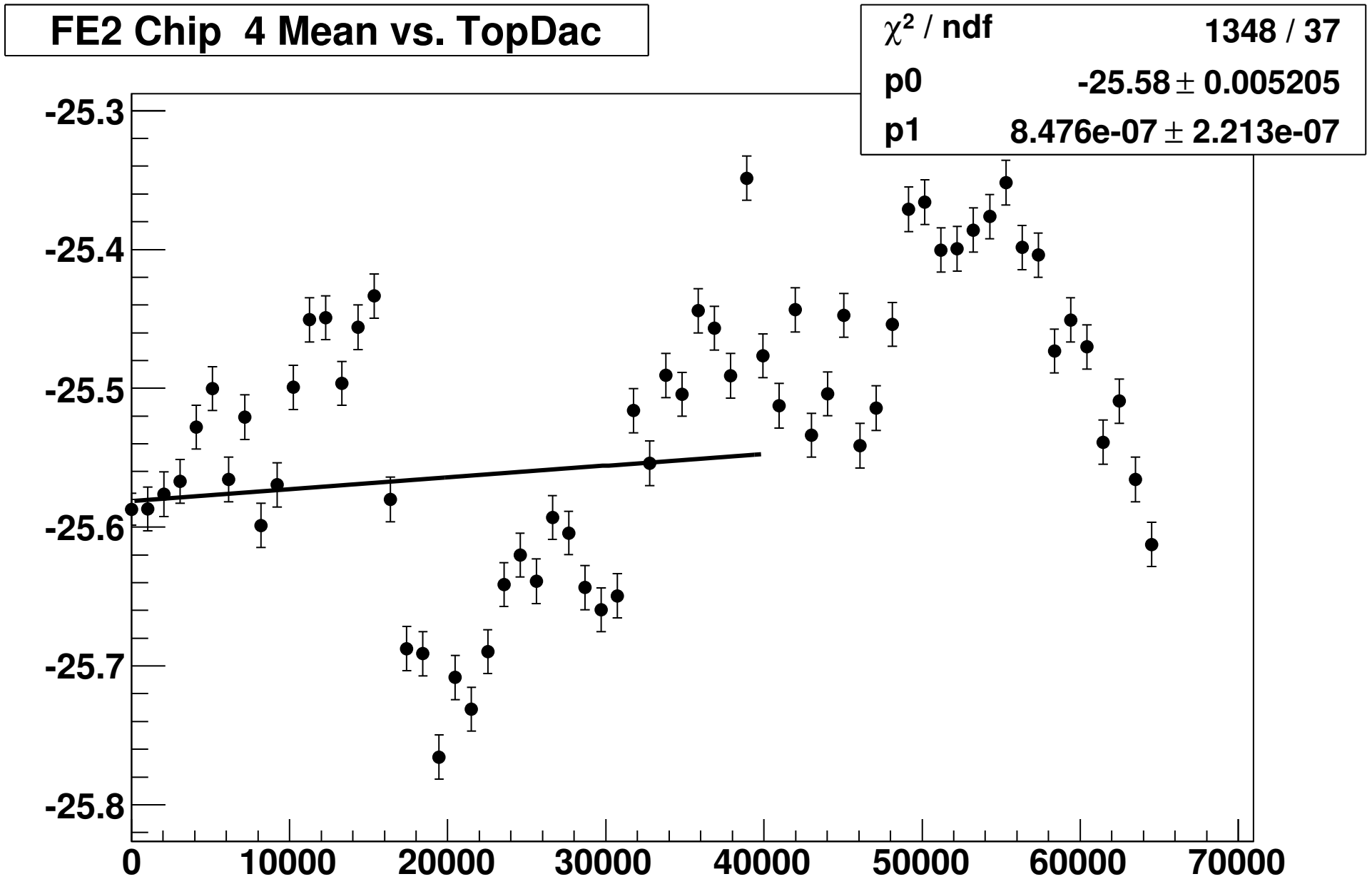
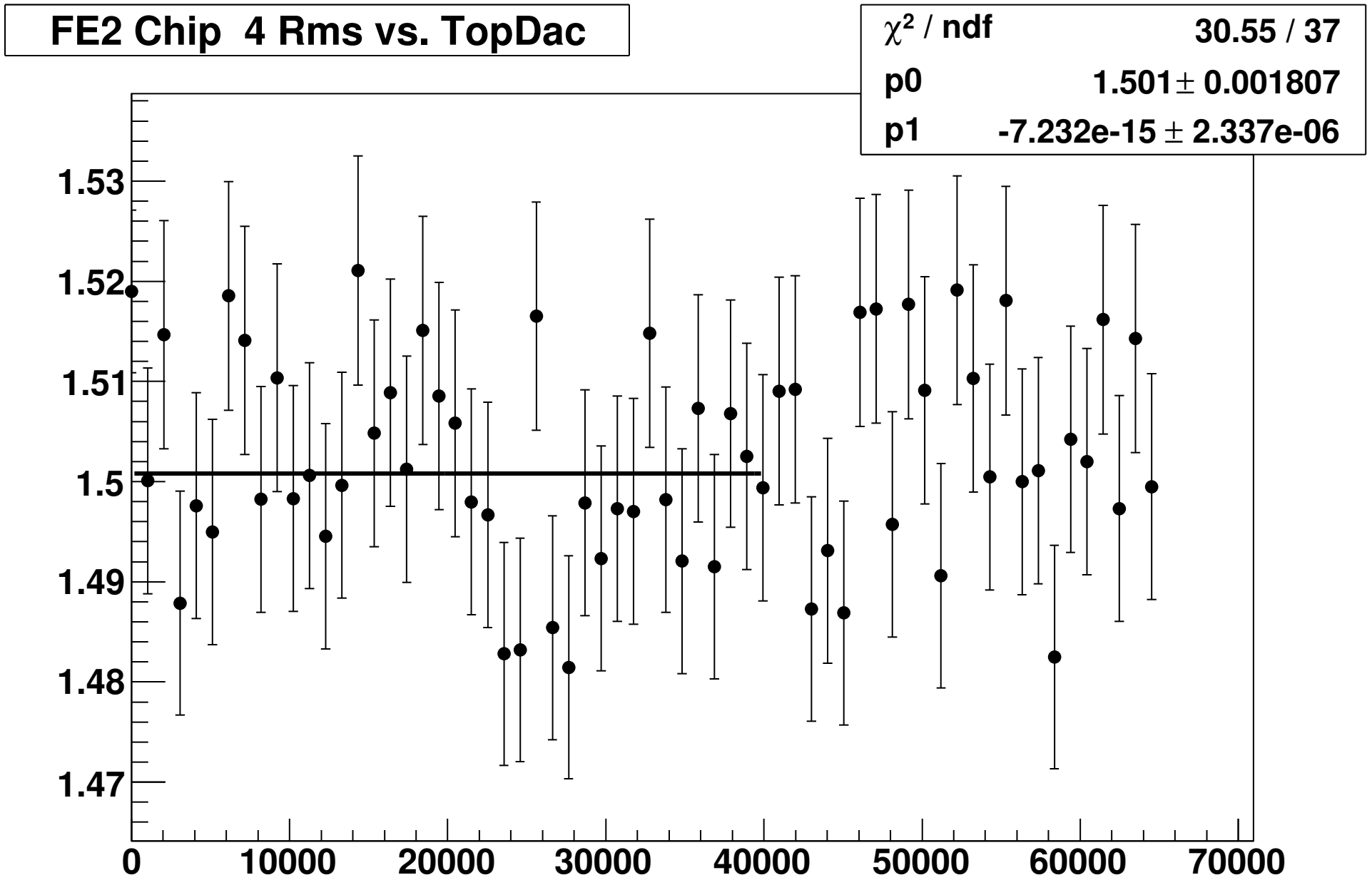
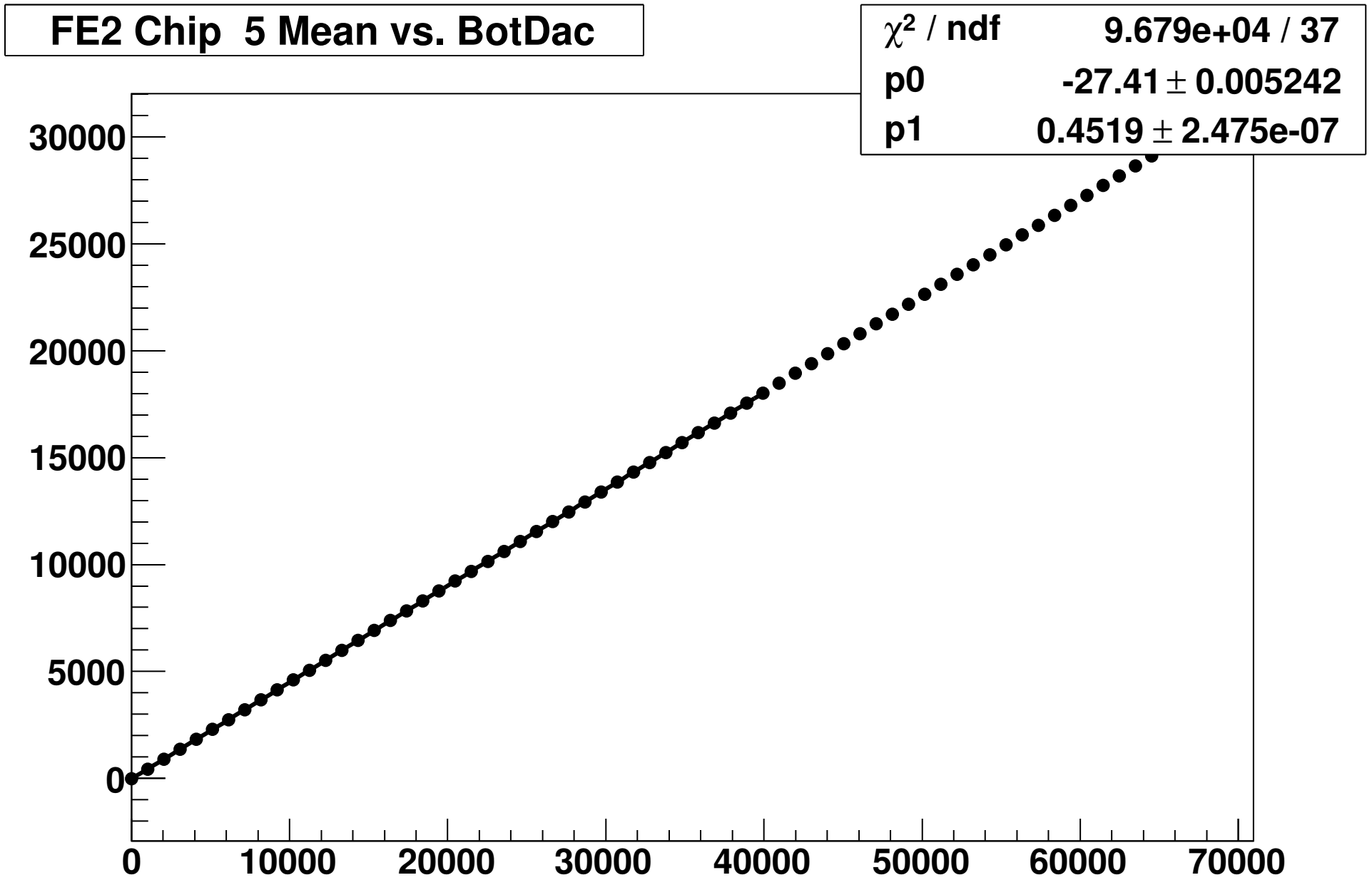
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 779.8 / 37
p0 1.39 ± 0.002876
p1 3.668e-05 ± 2.034e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 1348 / 37
p0 -25.58 ± 0.005205
p1 8.476e-07 ± 2.213e-07
-25.3
-25.4
-25.5
-25.6
-25.7
-25.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 30.55 / 37
p0 1.501 ± 0.001807
p1 -7.232e-15 ± 2.337e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 9.679e+04 / 37
p0 -27.41 ± 0.005242
p1 0.4519 ± 2.475e-07
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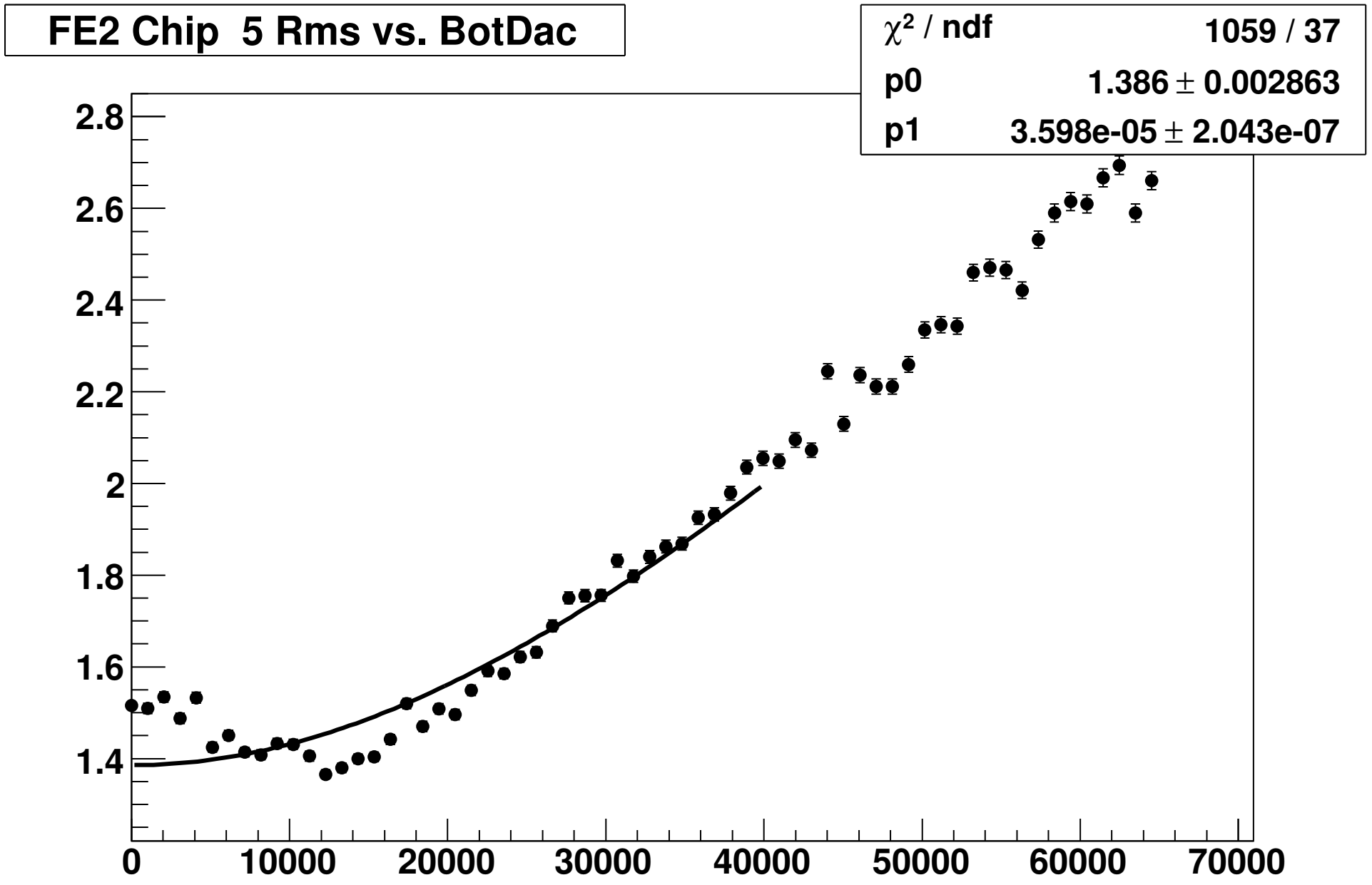
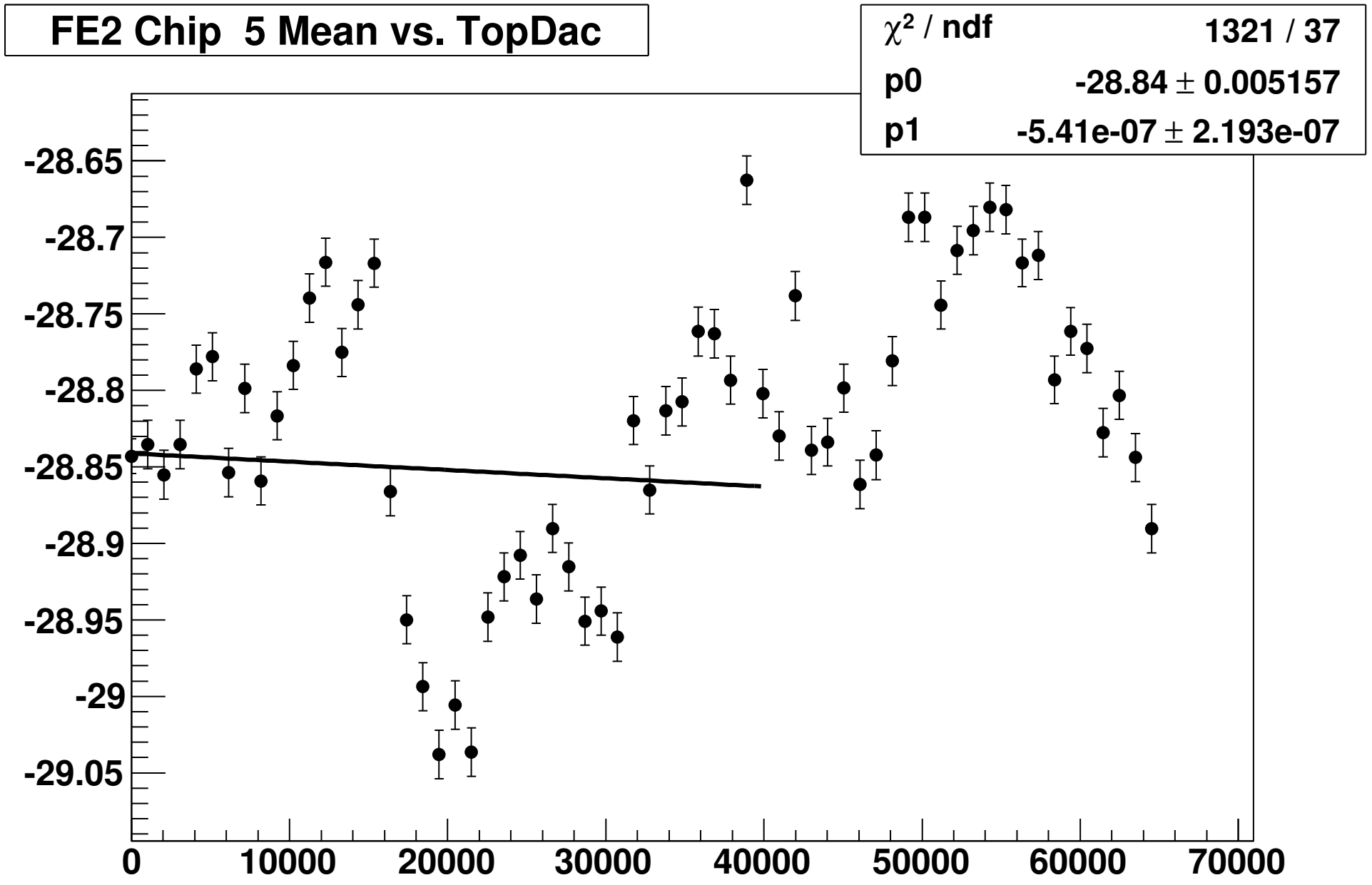
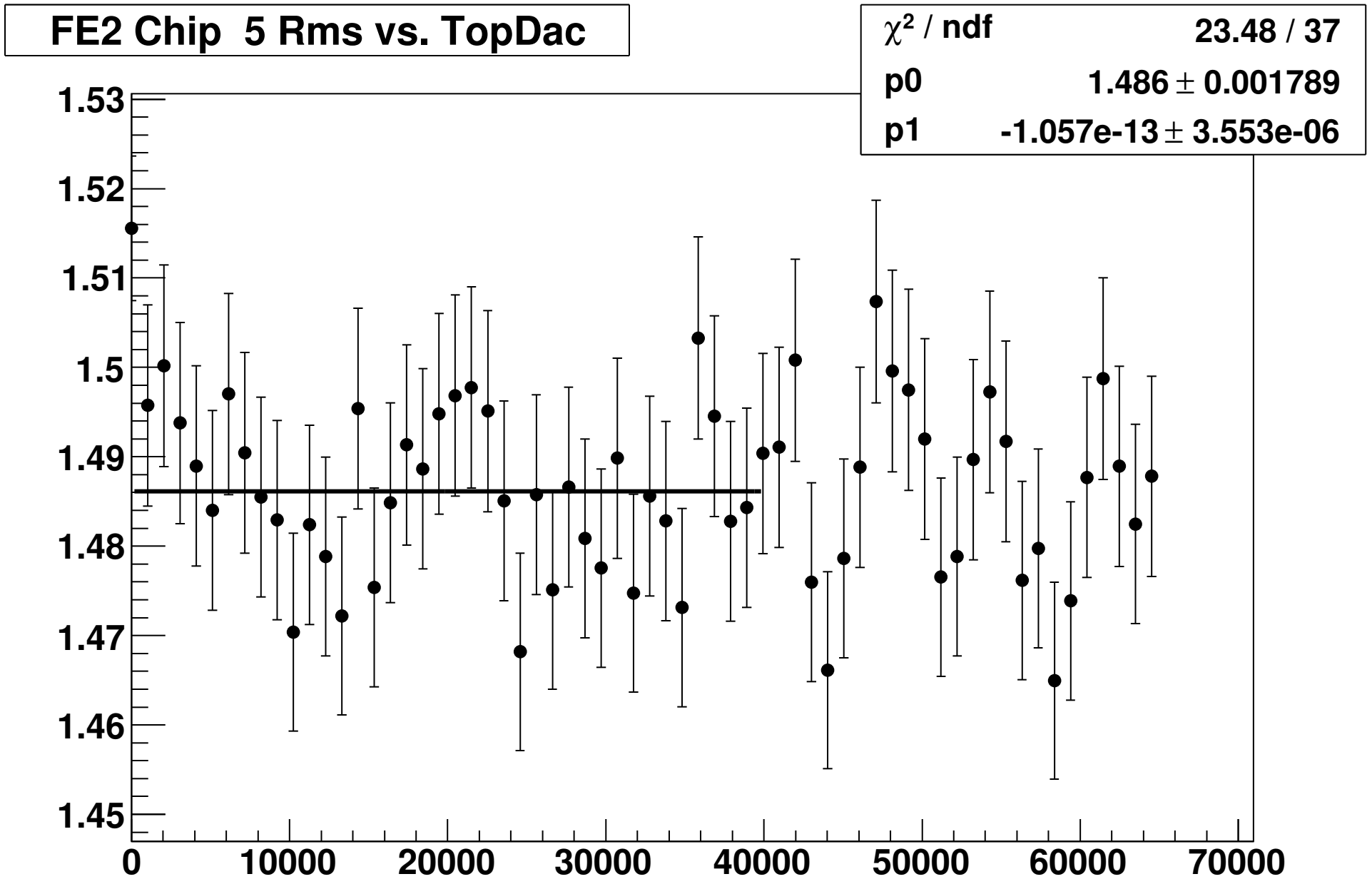
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1059 / 37
p0 1.386 ± 0.002863
p1 3.598e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 1321 / 37
p0 -28.84 ± 0.005157
p1 -5.41e-07 ± 2.193e-07
-28.65
-28.7
-28.75
-28.8
-28.85
-28.9
-28.95
-29
-29.05
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 23.48 / 37
p0 1.486 ± 0.001789
p1 -1.057e-13 ± 3.553e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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40000
50000
60000
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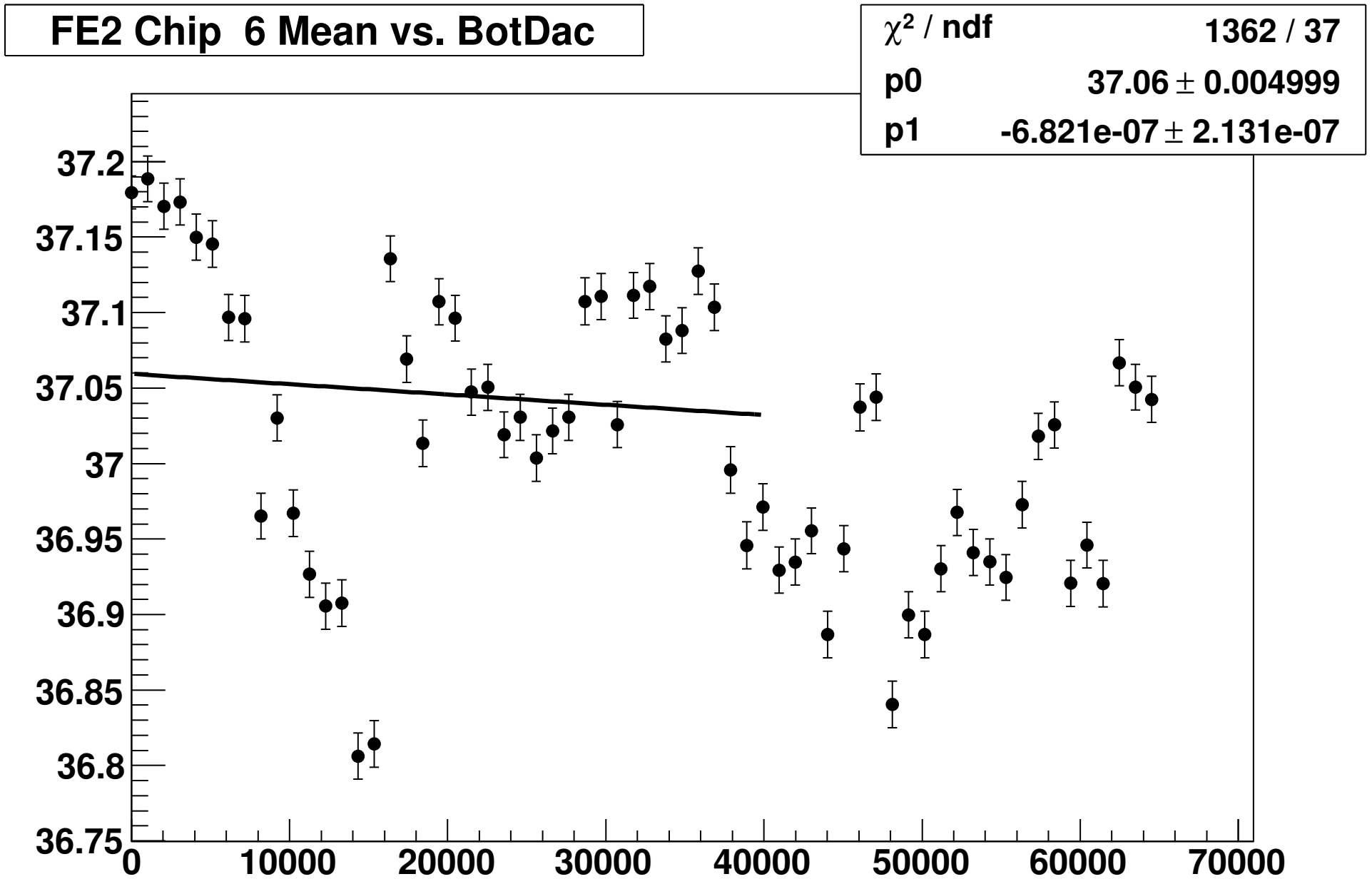
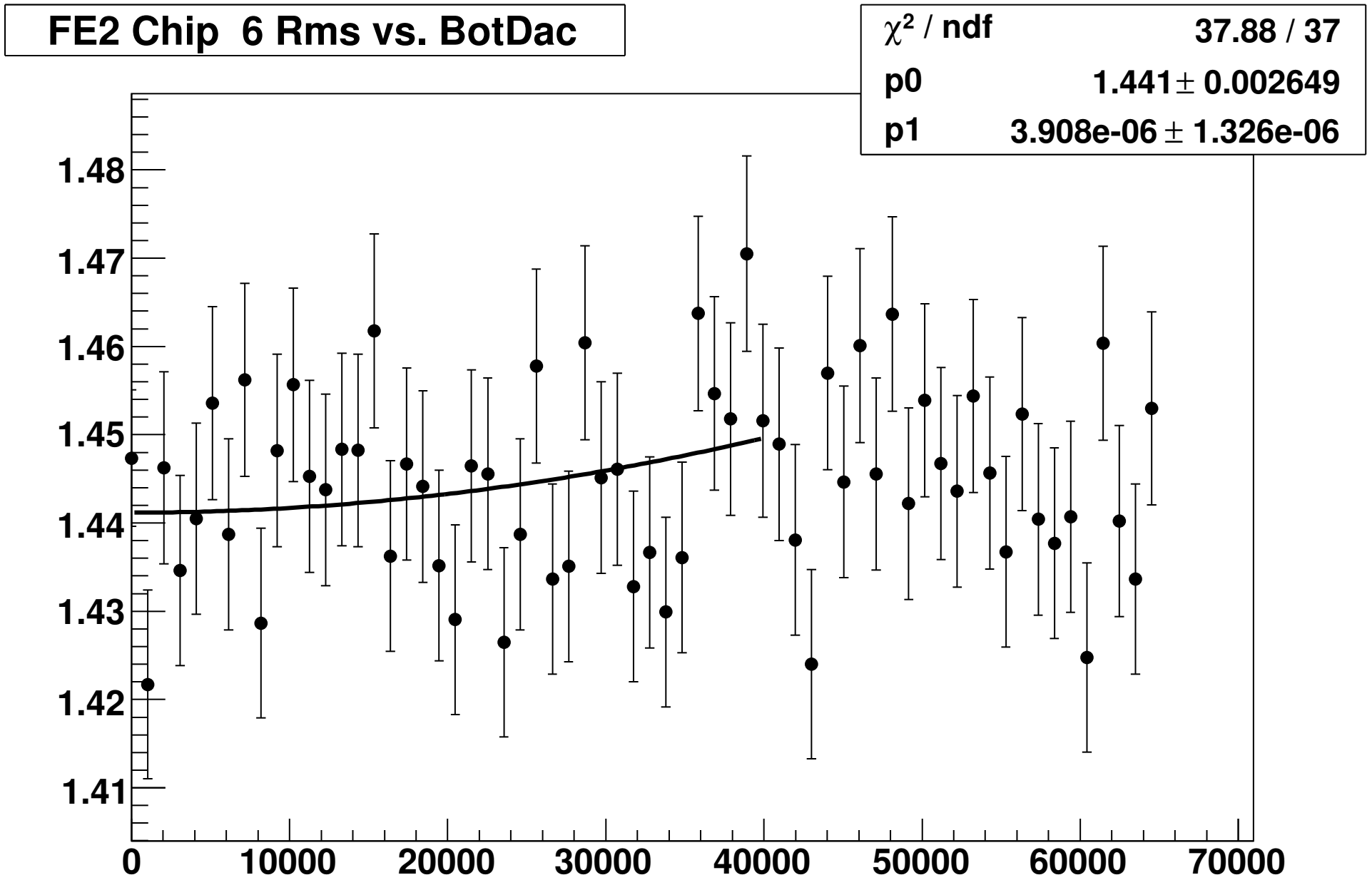

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 1362 / 37
p0 37.06 ± 0.004999
p1 -6.821e-07 ± 2.131e-07
37.2
37.15
37.1
37.05
37
36.95
36.9
36.85
36.8
36.75
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 37.88 / 37
p0 1.441 ± 0.002649
p1 3.908e-06 ± 1.326e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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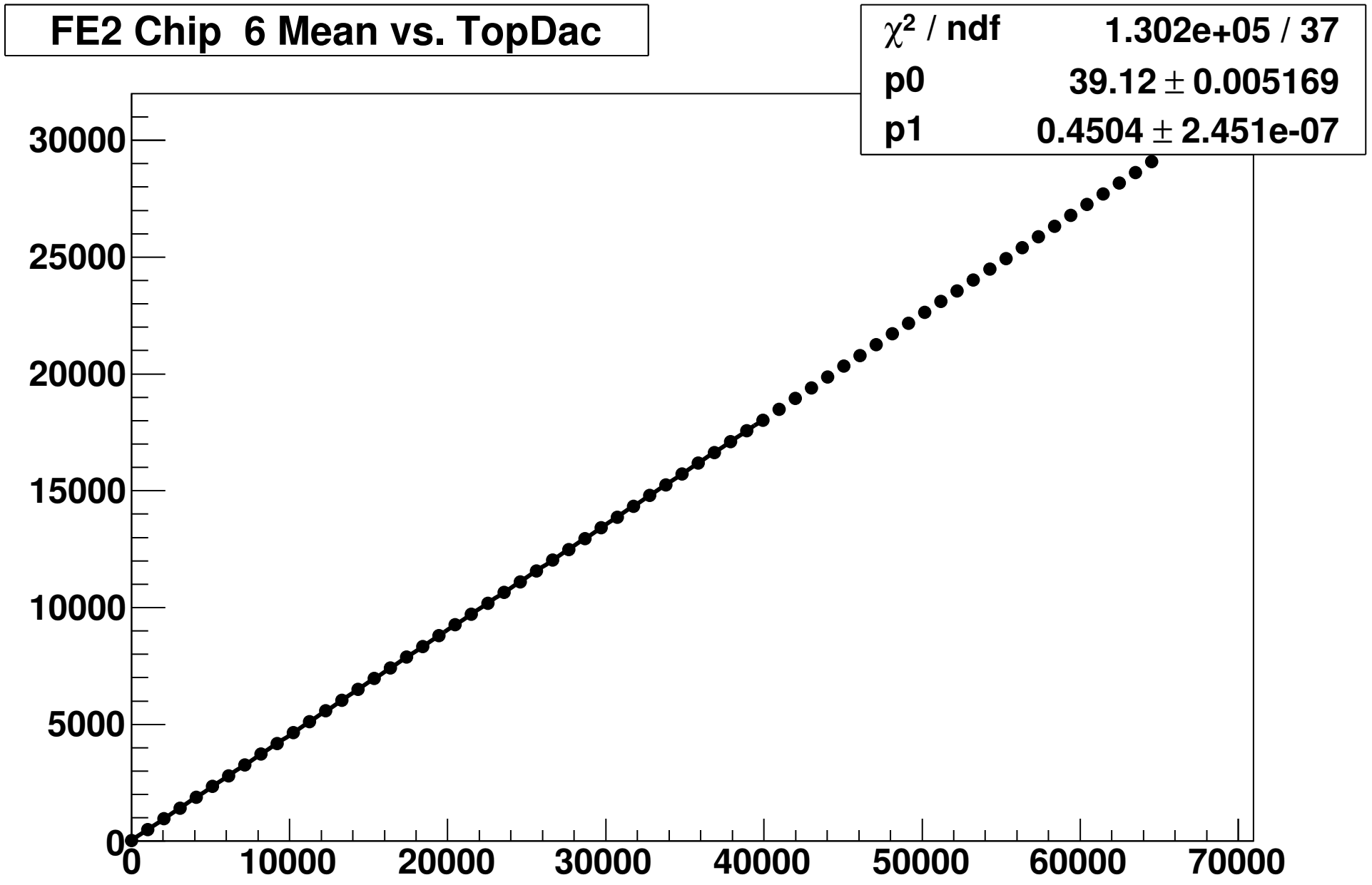
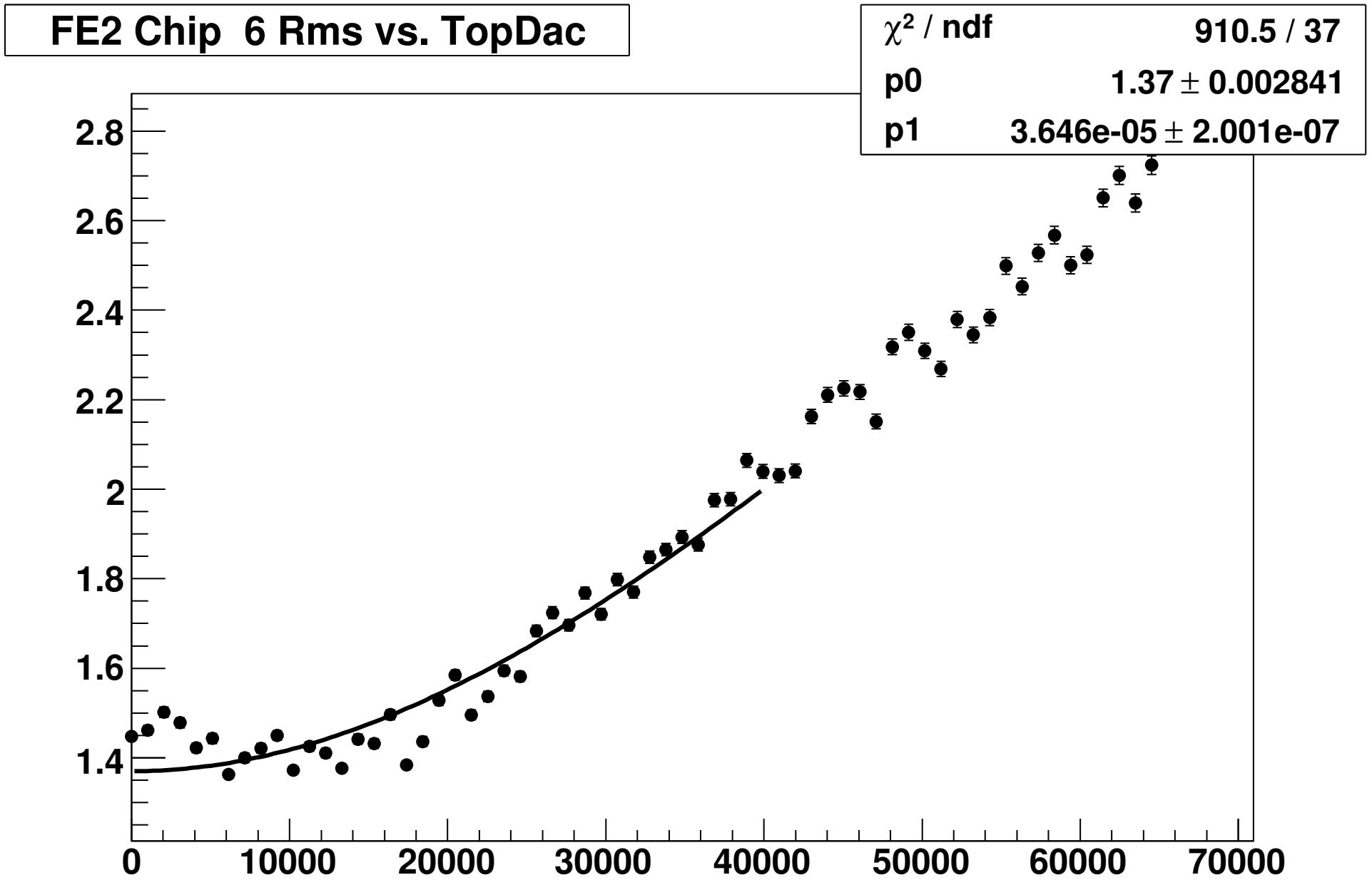

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.302e+05 / 37
p0 39.12 ± 0.005169
p1 0.4504 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 910.5 / 37
p0 1.37 ± 0.002841
p1 3.646e-05 ± 2.001e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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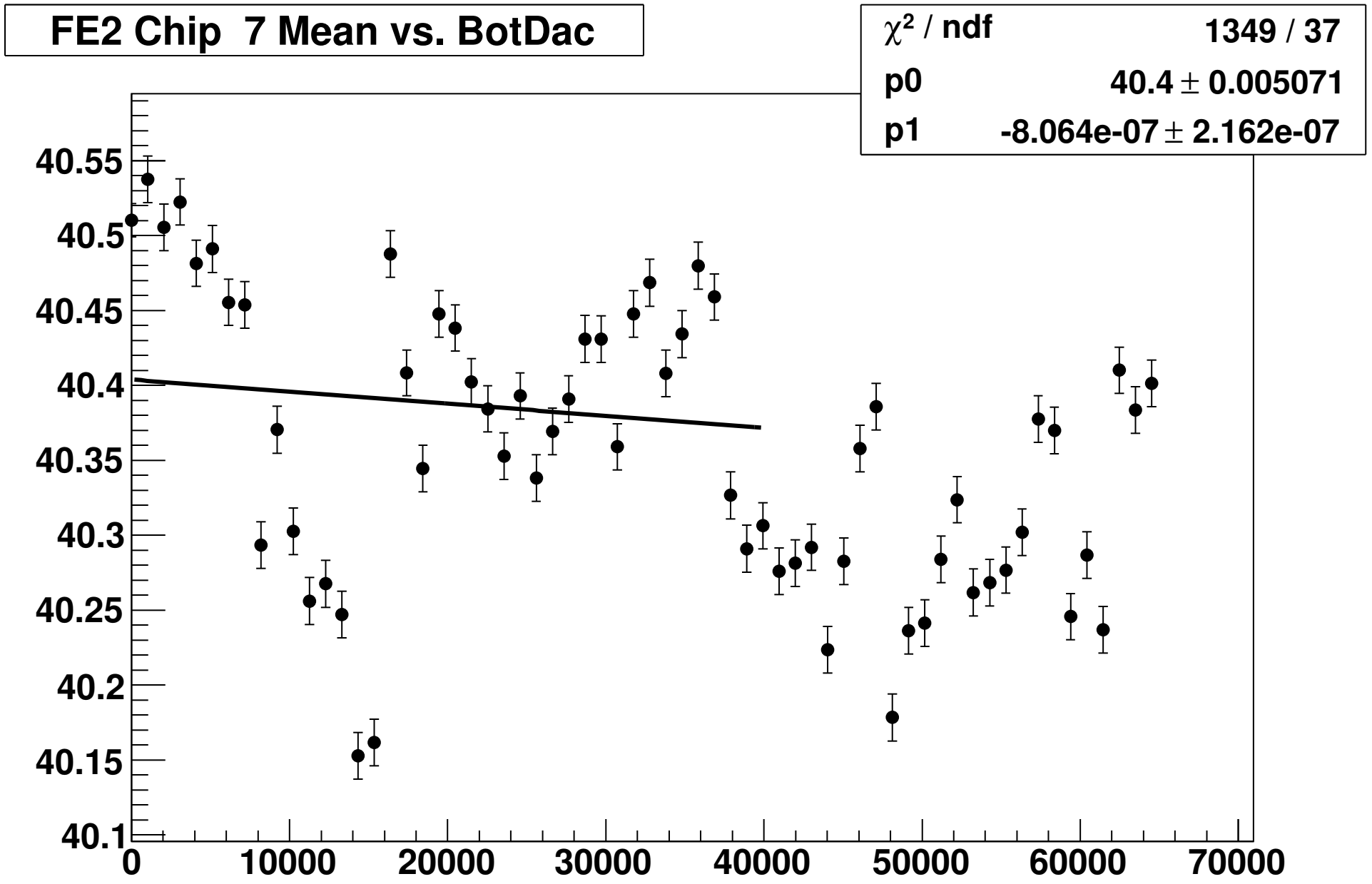
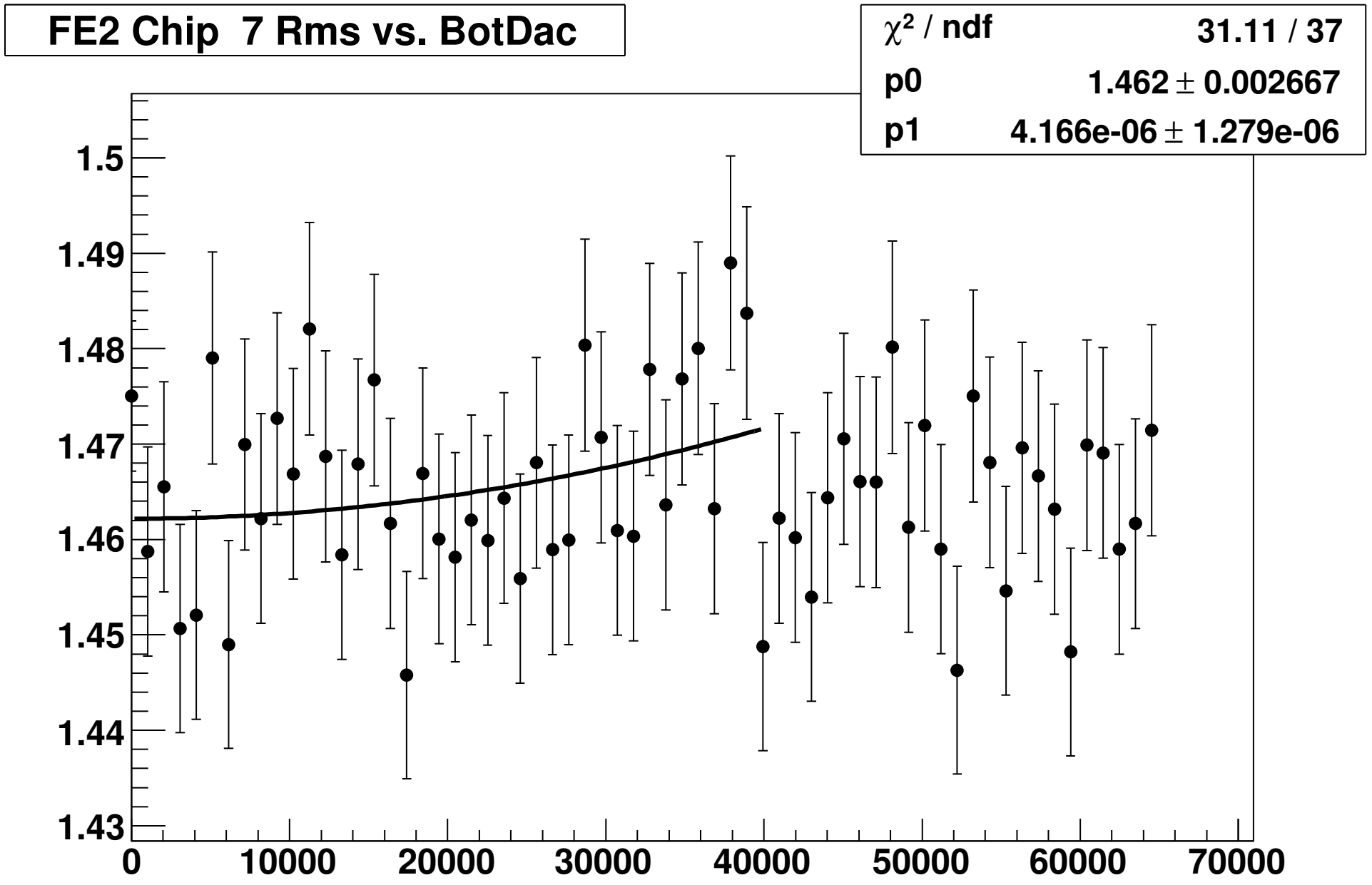

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 1349 / 37
p0 40.4 ± 0.005071
p1 -8.064e-07 ± 2.162e-07
40.55
40.5
40.45
40.4
40.35
40.3
40.25
40.2
40.15
40.1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 31.11 / 37
p0 1.462 ± 0.002667
p1 4.166e-06 ± 1.279e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
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10000
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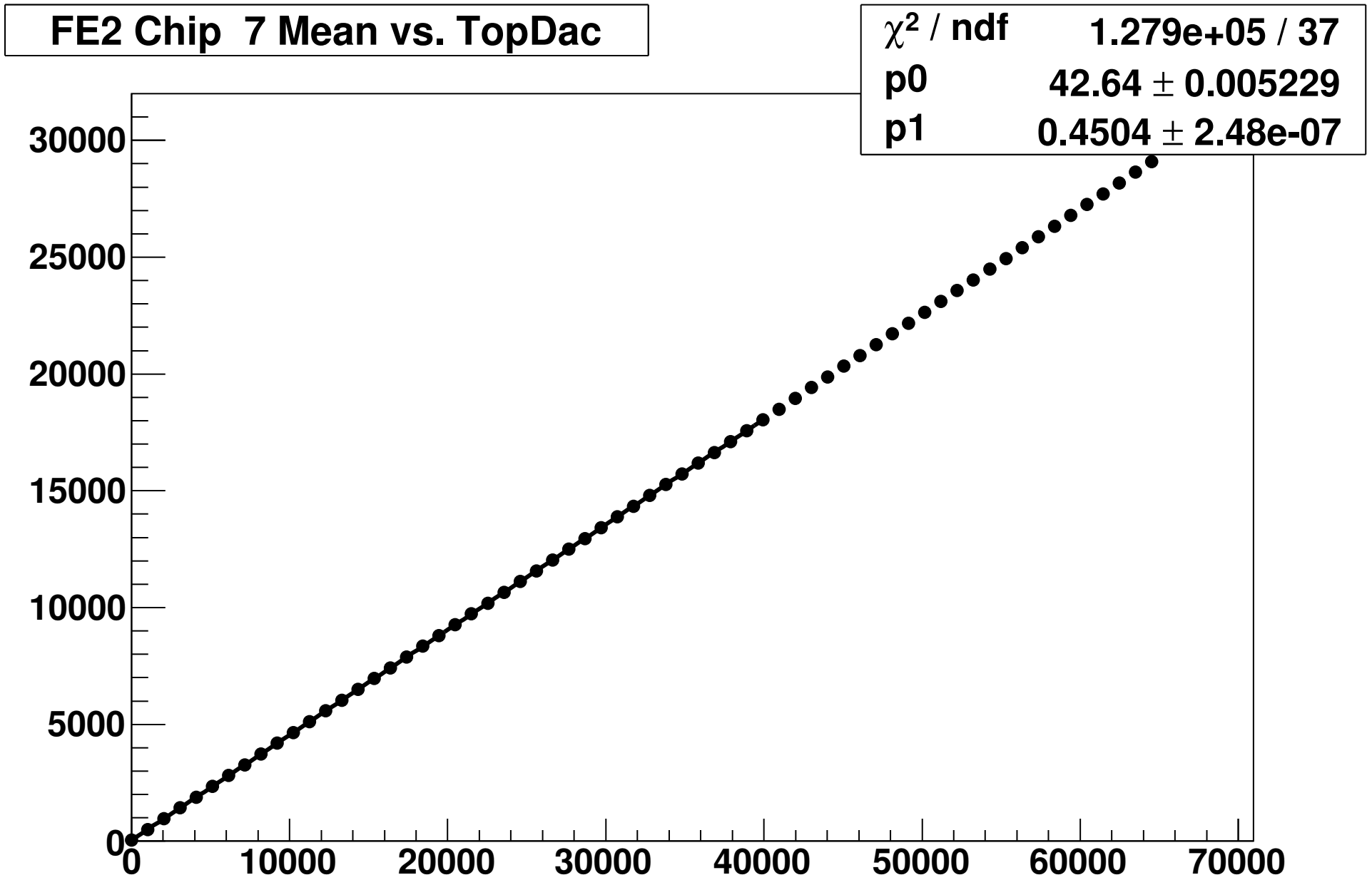
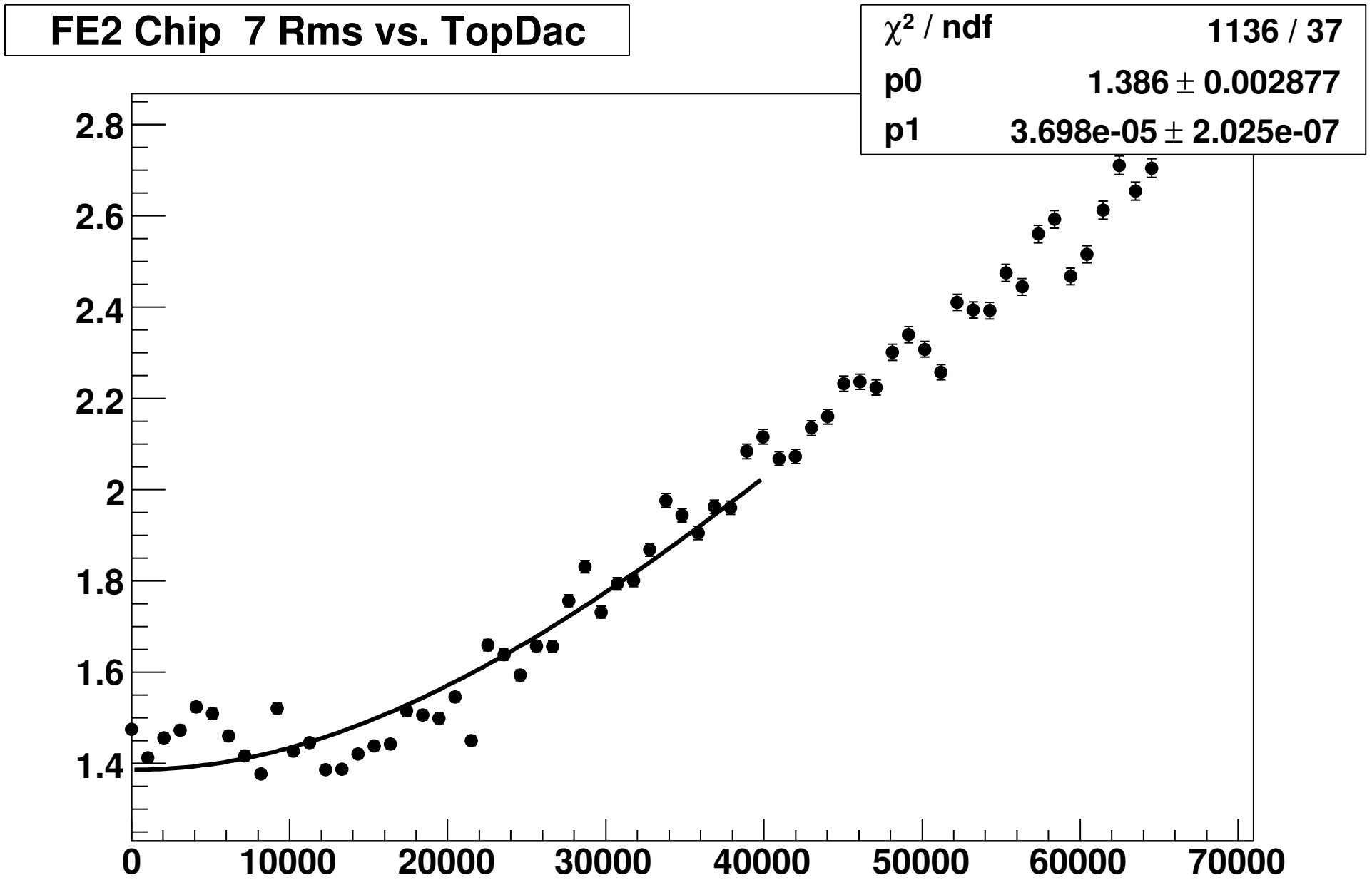

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.279e+05 / 37
p0 42.64 ± 0.005229
p1 0.4504 ± 2.48e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1136 / 37
p0 1.386 ± 0.002877
p1 3.698e-05 ± 2.025e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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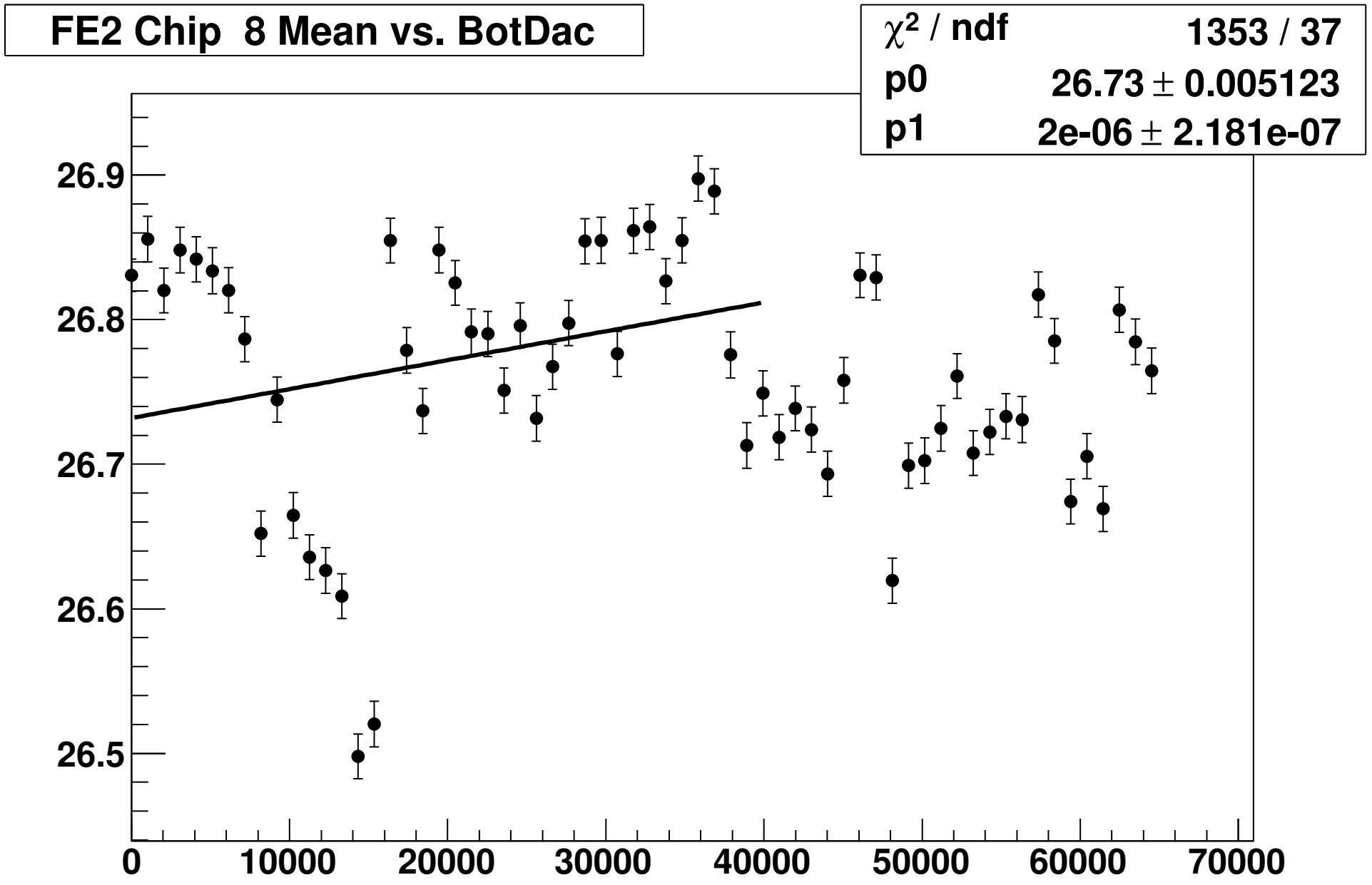
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 1353 / 37
p0 26.73 ± 0.005123
p1 2e-06 ± 2.181e-07
26.9
26.8
26.7
26.6
26.5
0
10000
20000
30000
40000
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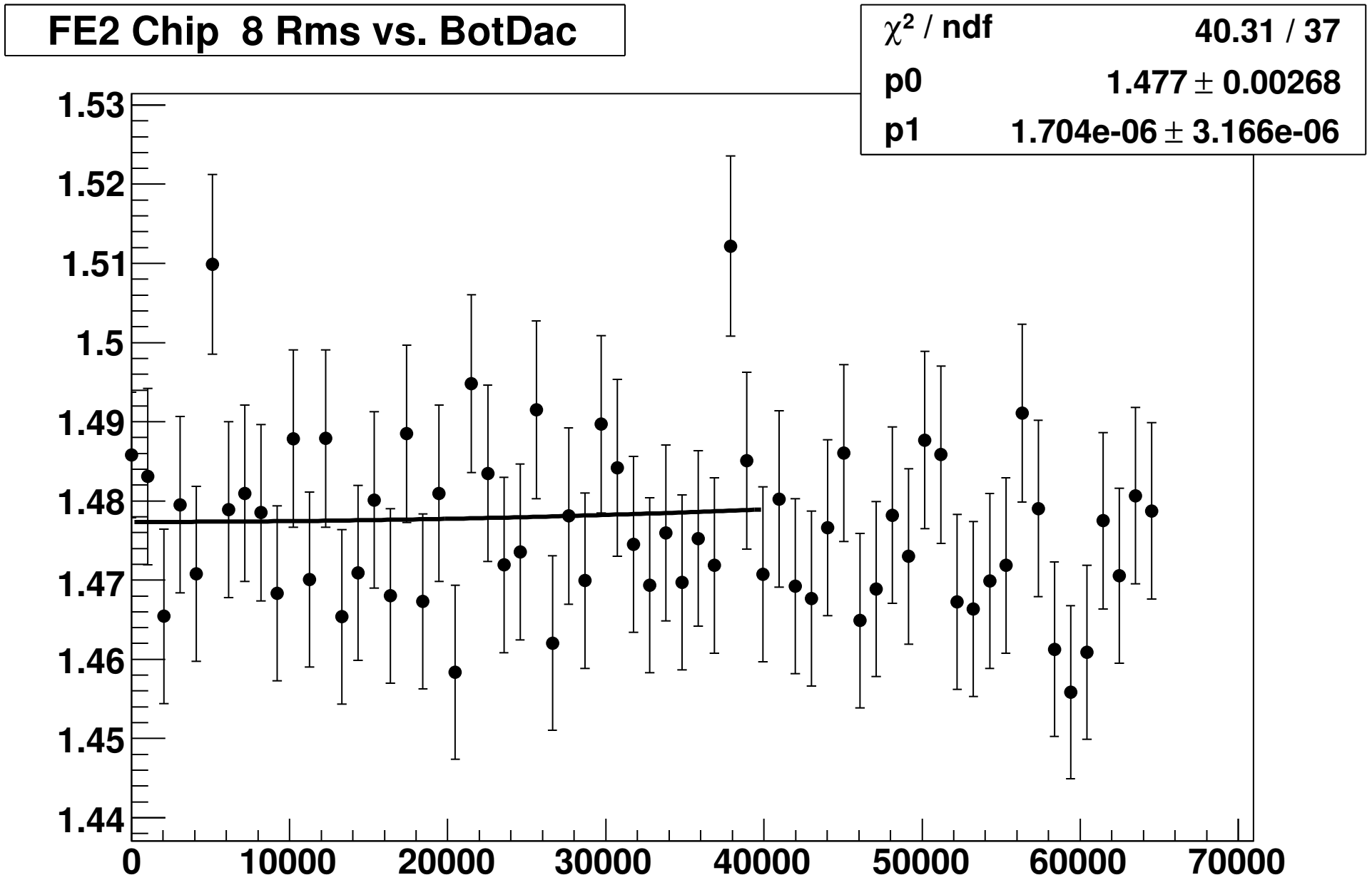
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 40.31 / 37
p0 1.477 ± 0.00268
p1 1.704e-06 ± 3.166e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
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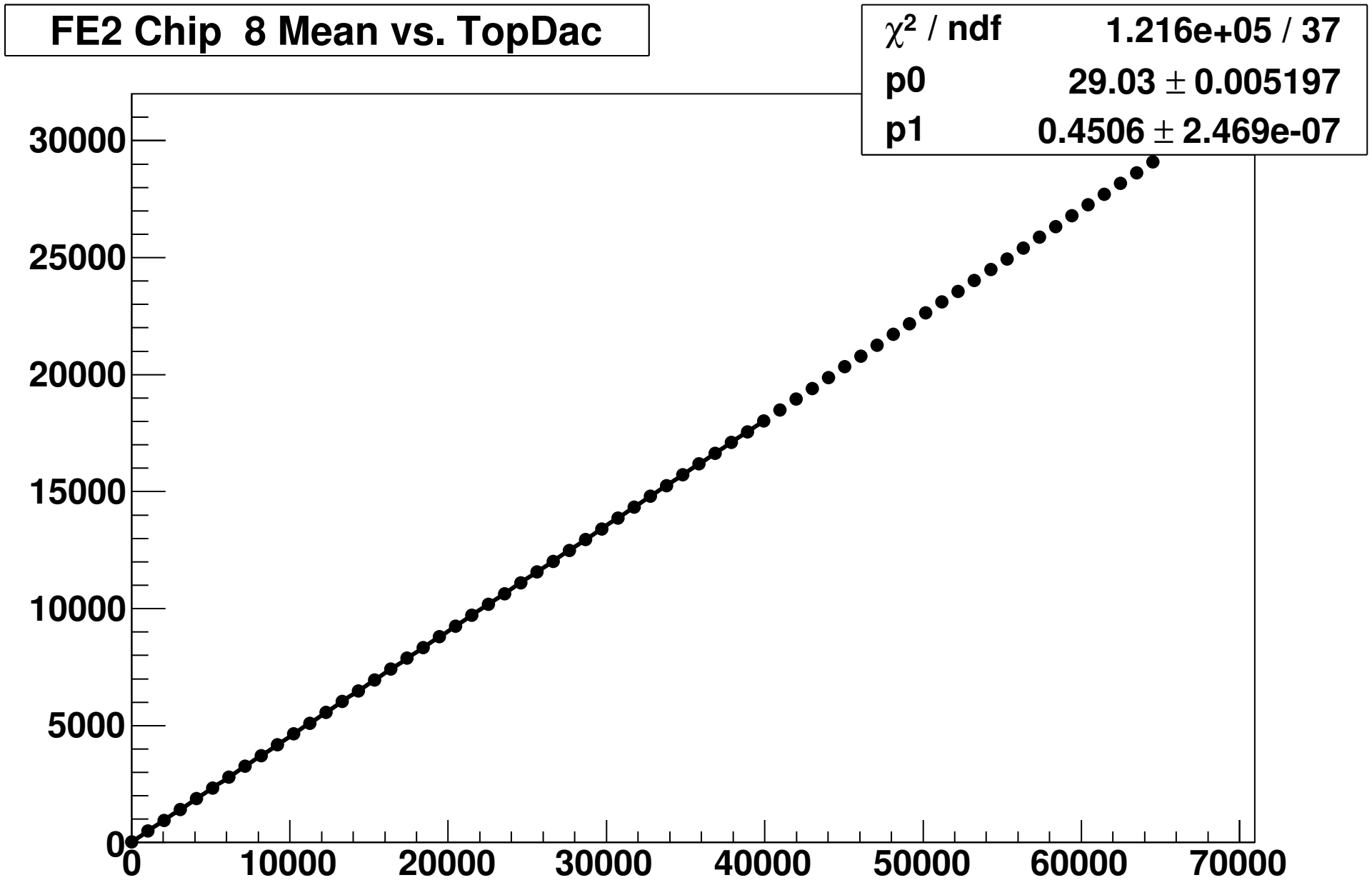
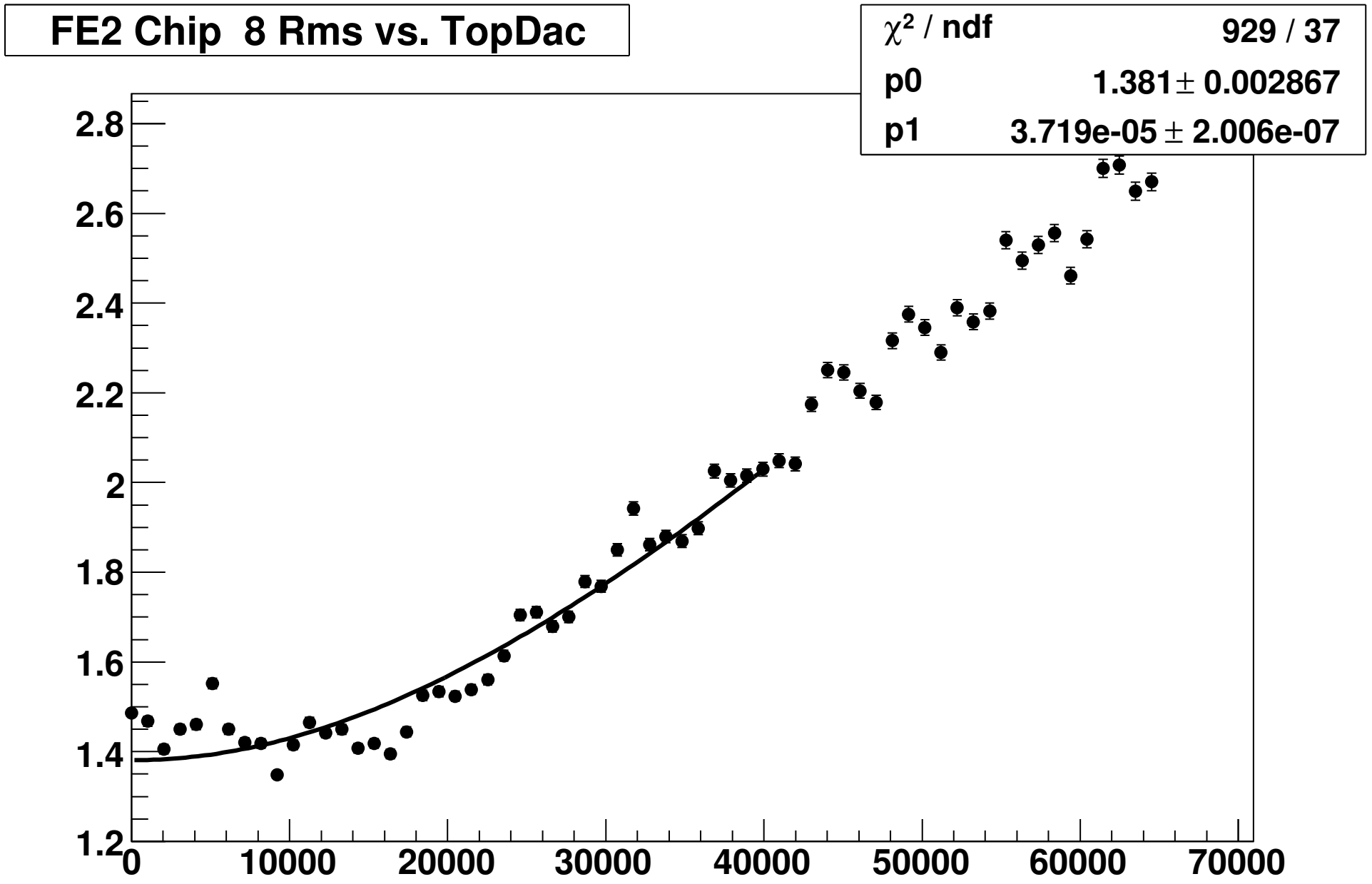

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.216e+05 / 37
p0 29.03 ± 0.005197
p1 0.4506 ± 2.469e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 929 / 37
p0 1.381 ± 0.002867
p1 3.719e-05 ± 2.006e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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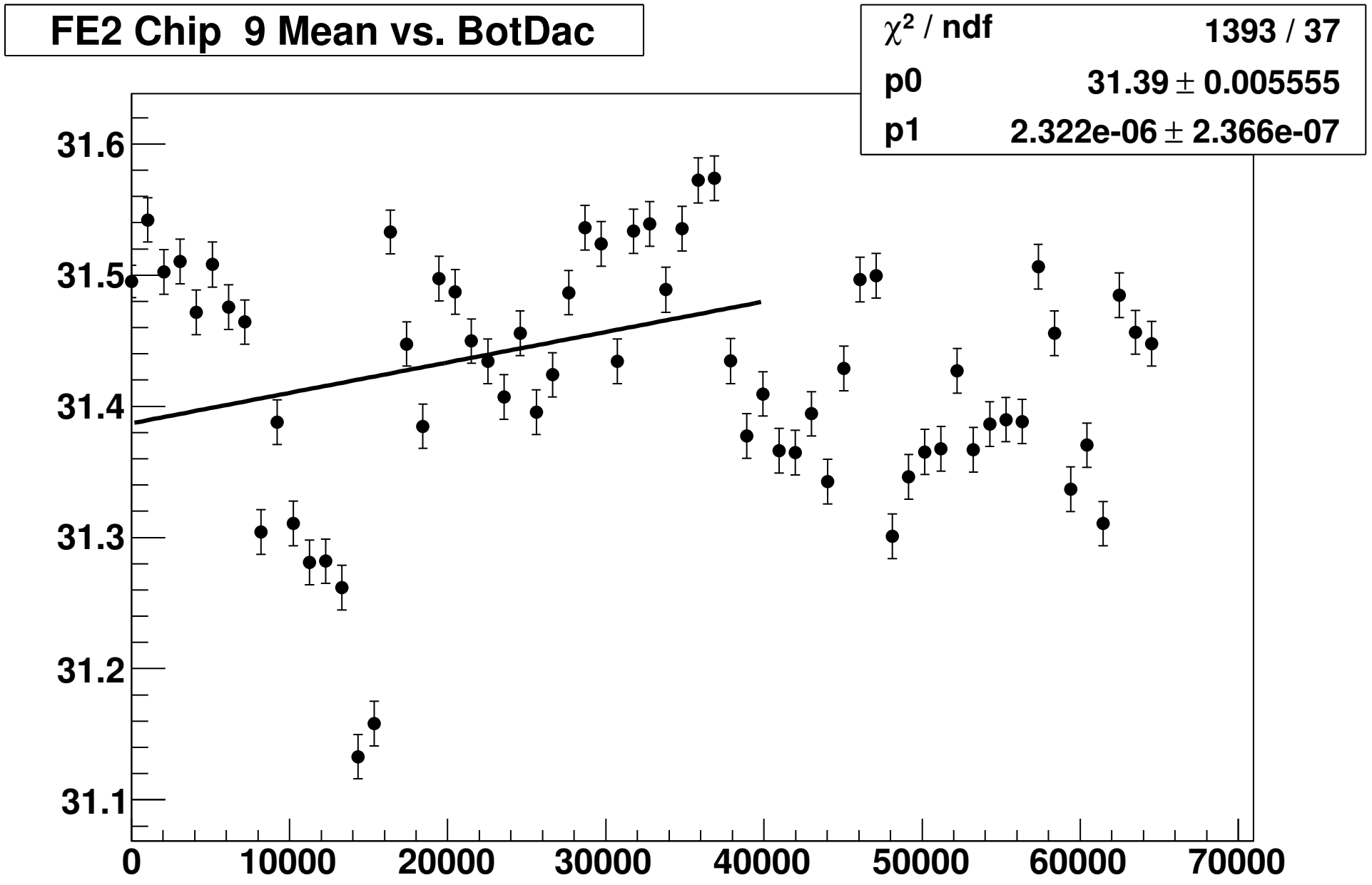
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 1393 / 37
p0 31.39 ± 0.005555
p1 2.322e-06 ± 2.366e-07
31.6
31.5
31.4
31.3
31.2
31.1
0
10000
20000
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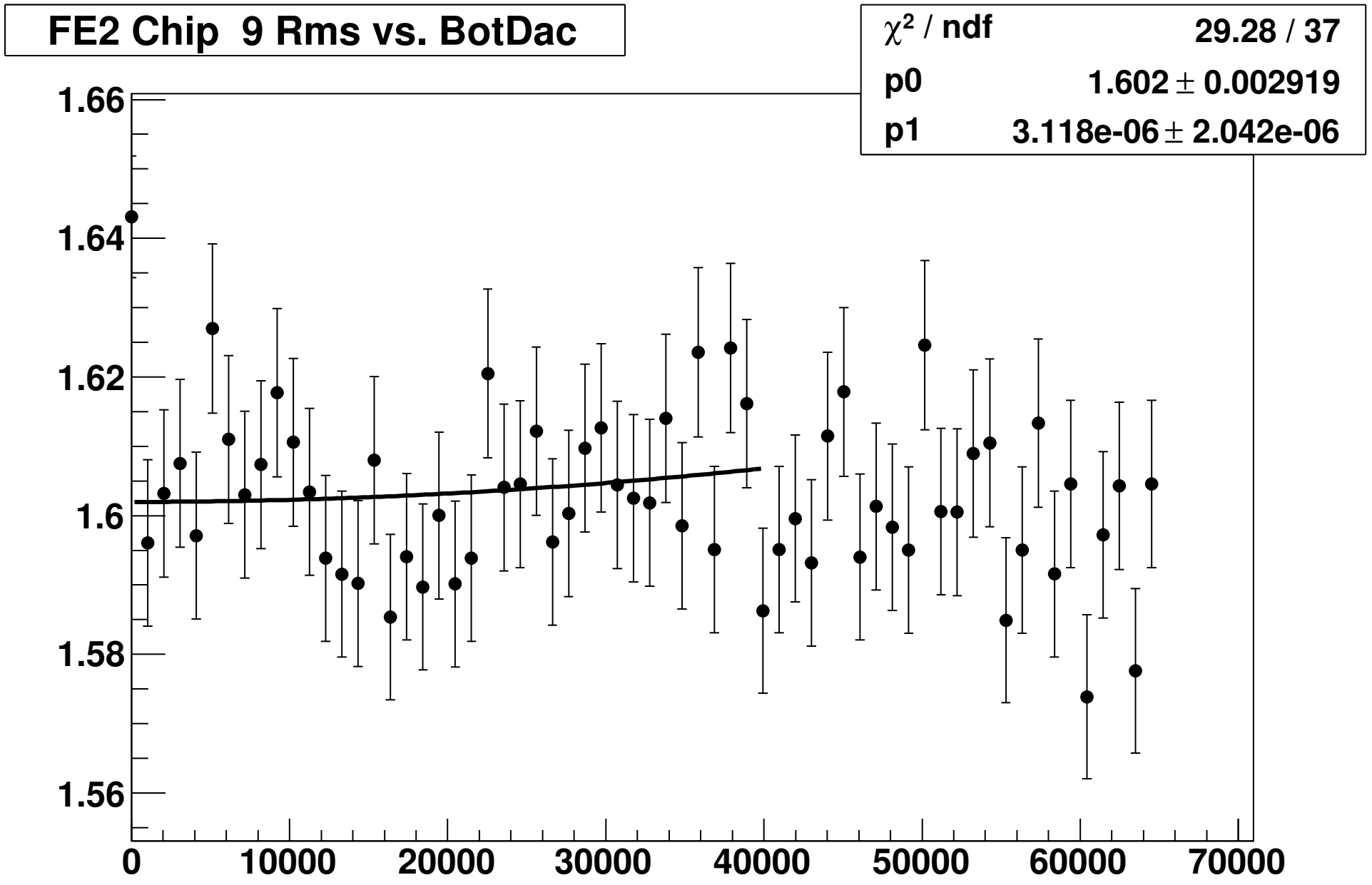
50000
60000
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 29.28 / 37
p0 1.602 ± 0.002919
p1 3.118e-06 ± 2.042e-06
1.66
1.64
1.62
1.6
1.58
1.56
0
10000
20000
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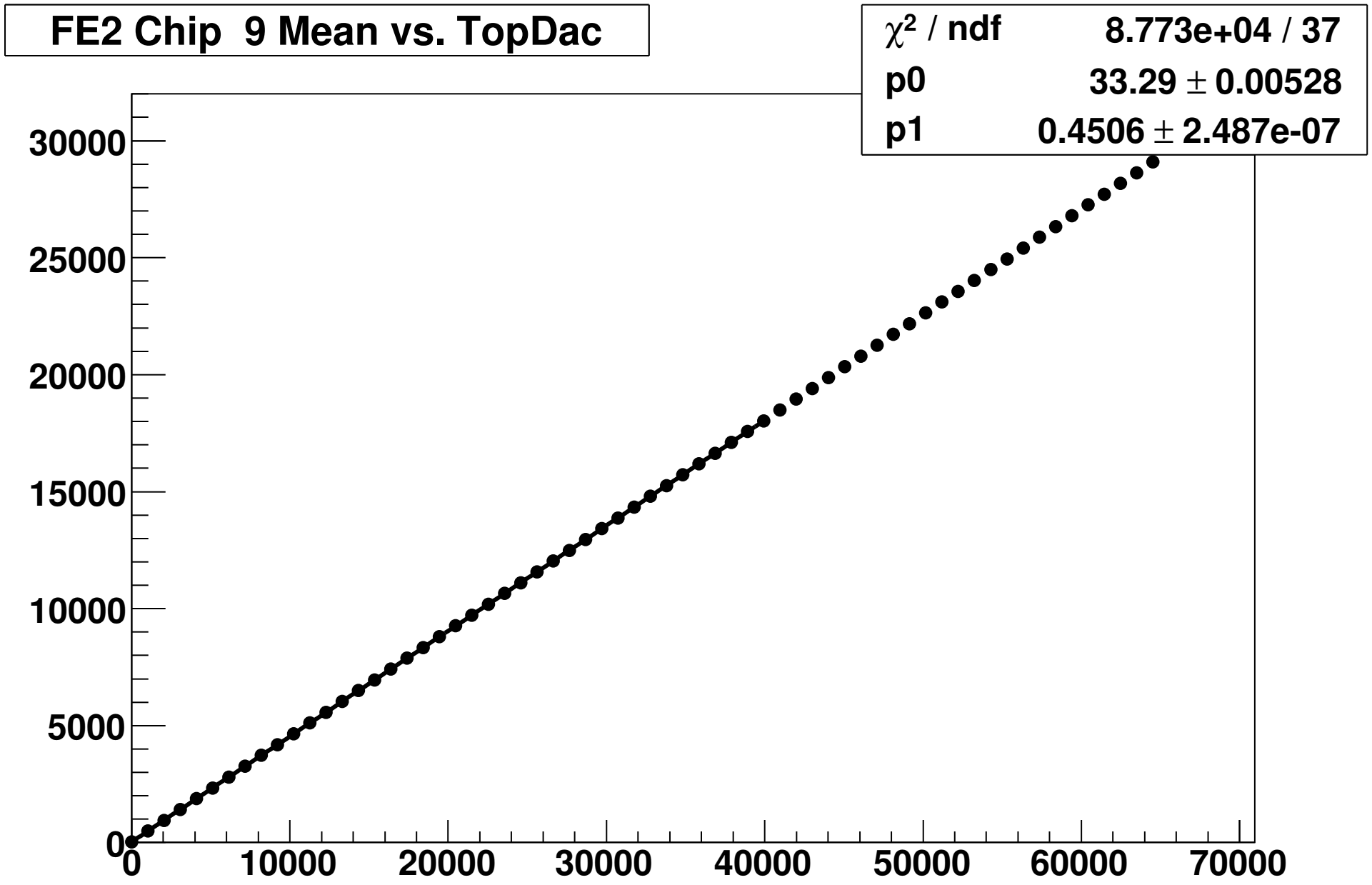
50000
60000
70000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 8.773e+04 / 37
p0 33.29 ± 0.00528
p1 0.4506 ± 2.487e-07
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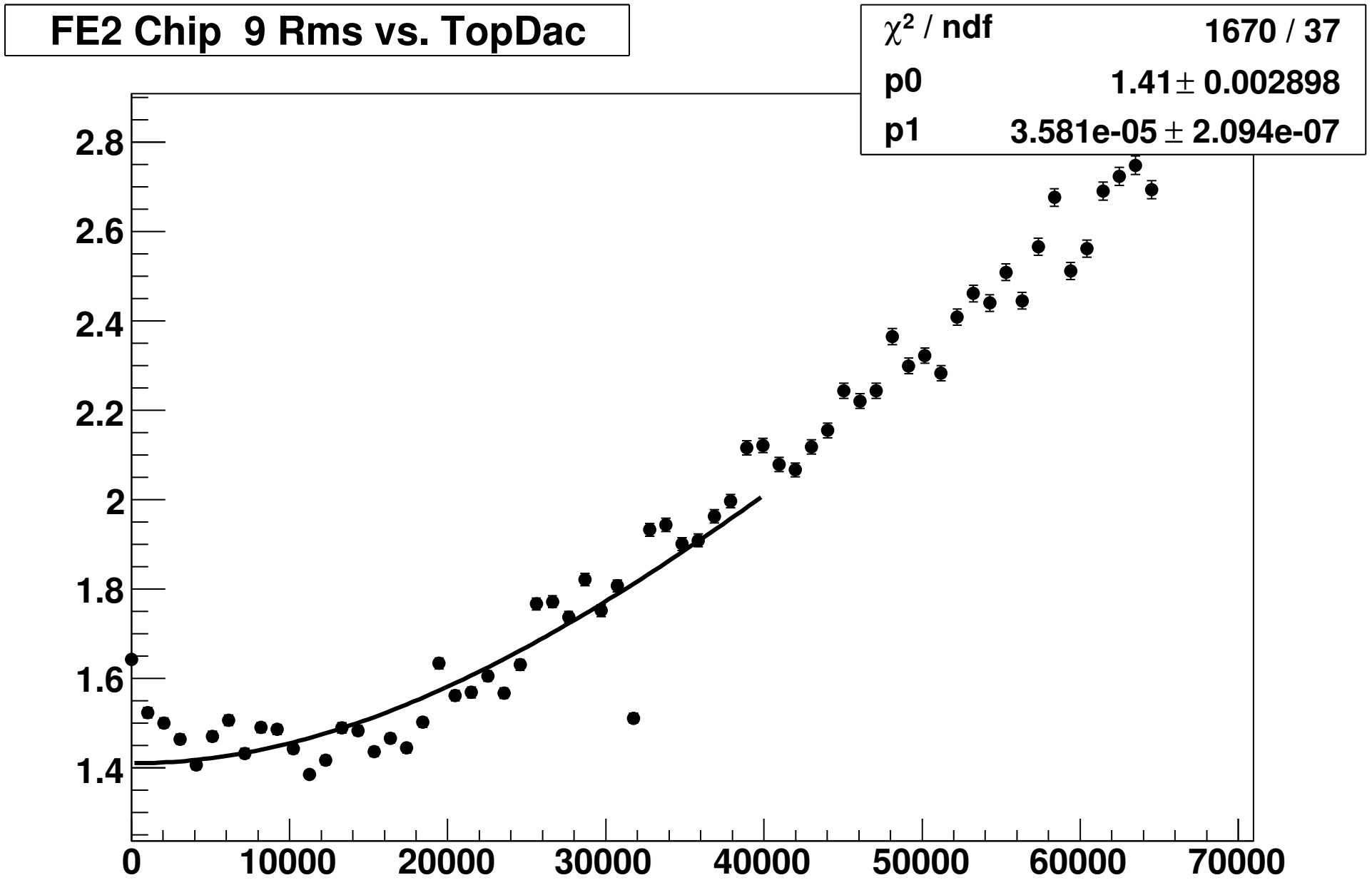
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1670 / 37
p0 1.41 ± 0.002898
p1 3.581e-05 ± 2.094e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
60000
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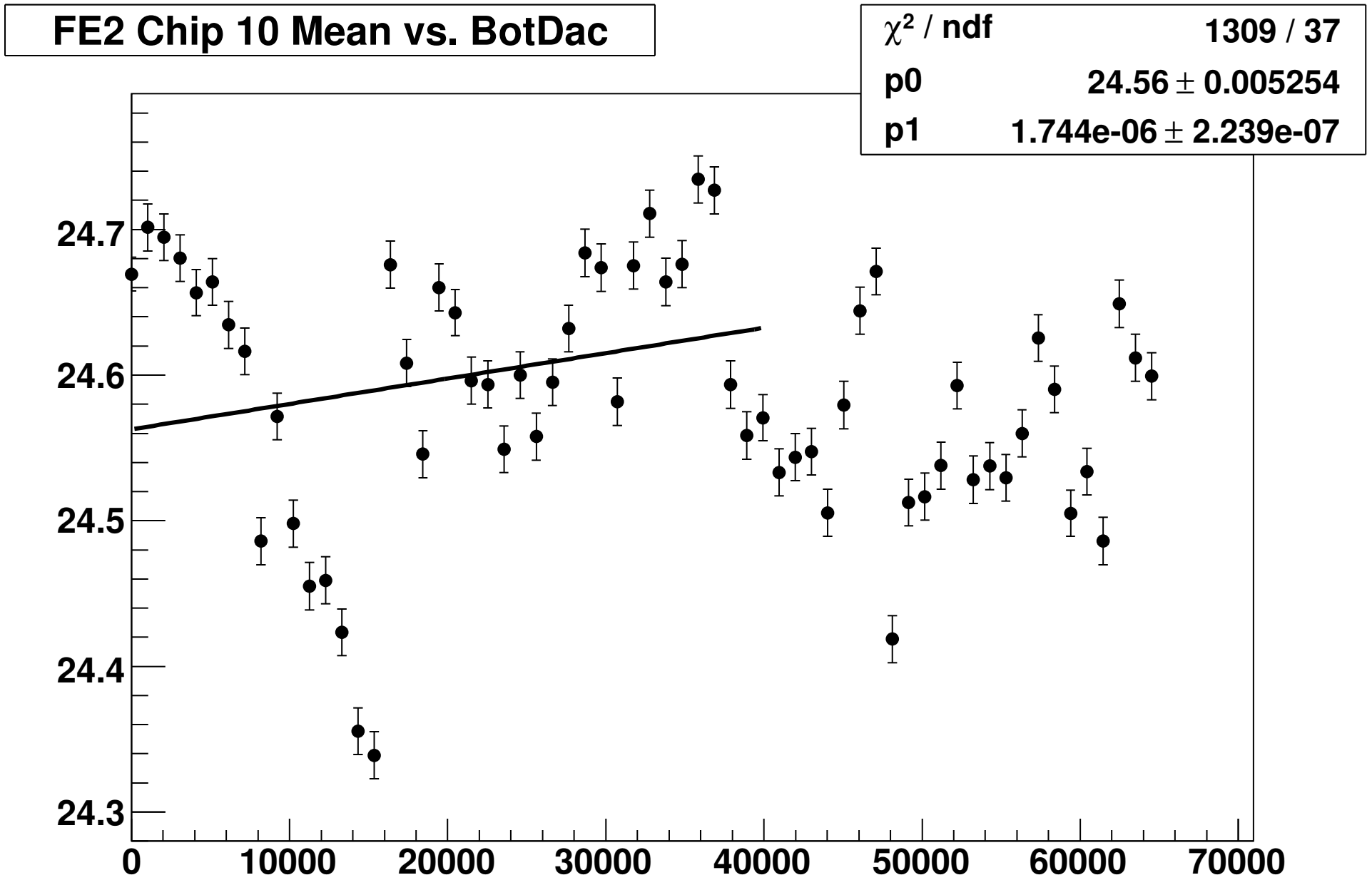
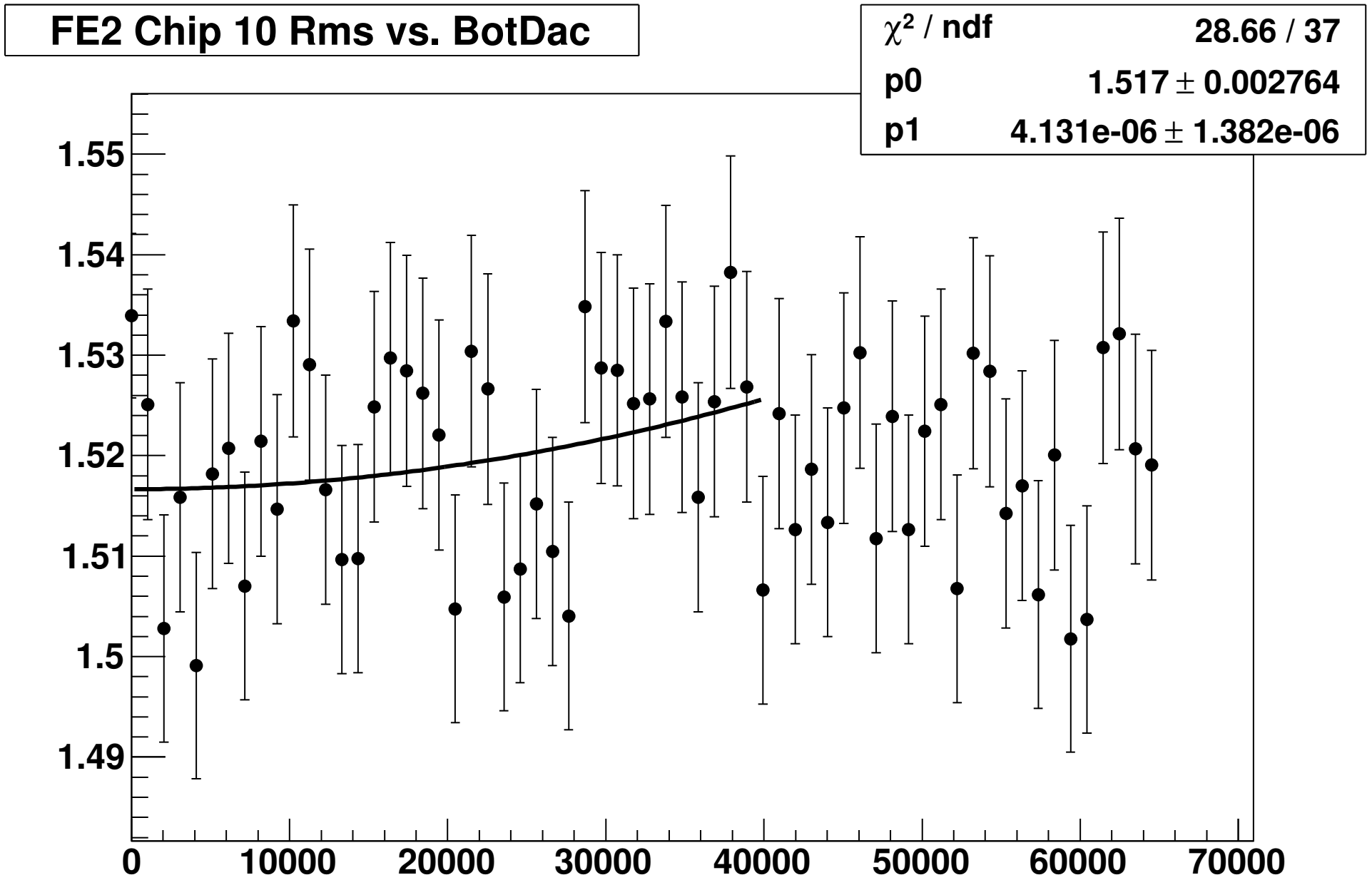
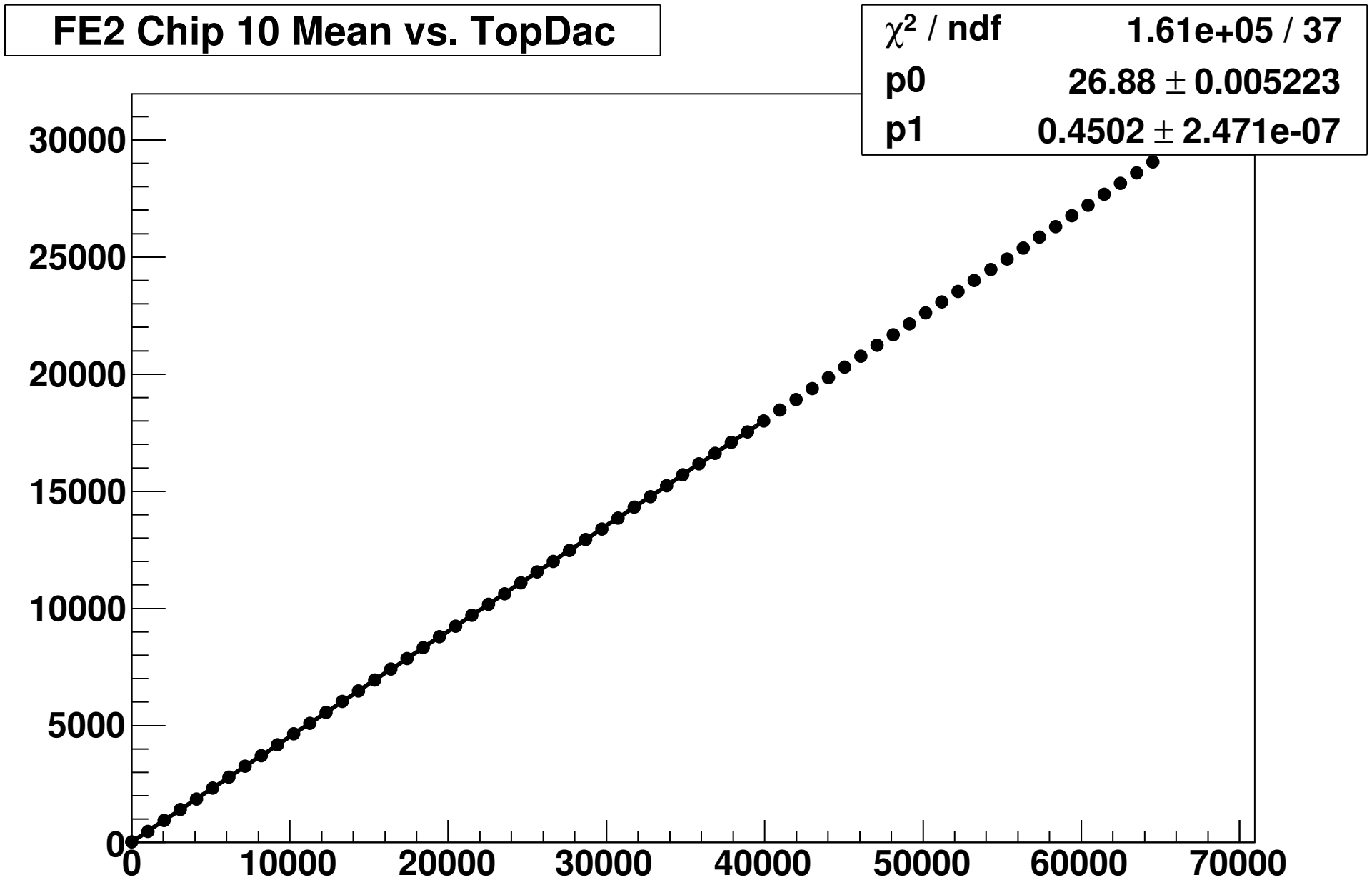

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 1309 / 37
p0 24.56 ± 0.005254
p1 1.744e-06 ± 2.239e-07
24.7
24.6
24.5
24.4
24.3
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 28.66 / 37
p0 1.517 ± 0.002764
p1 4.131e-06 ± 1.382e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.61e+05 / 37
p0 26.88 ± 0.005223
p1 0.4502 ± 2.471e-07
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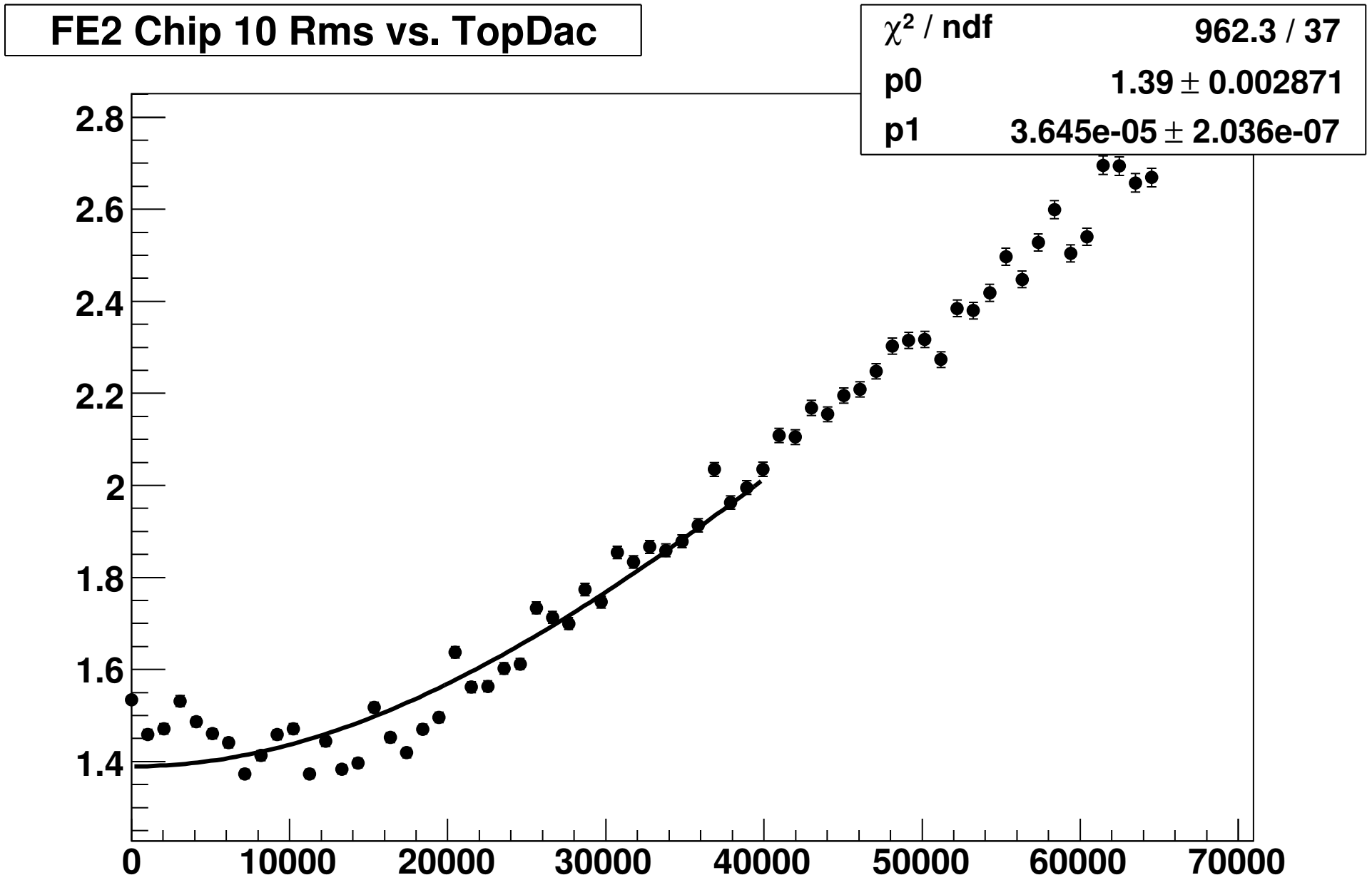
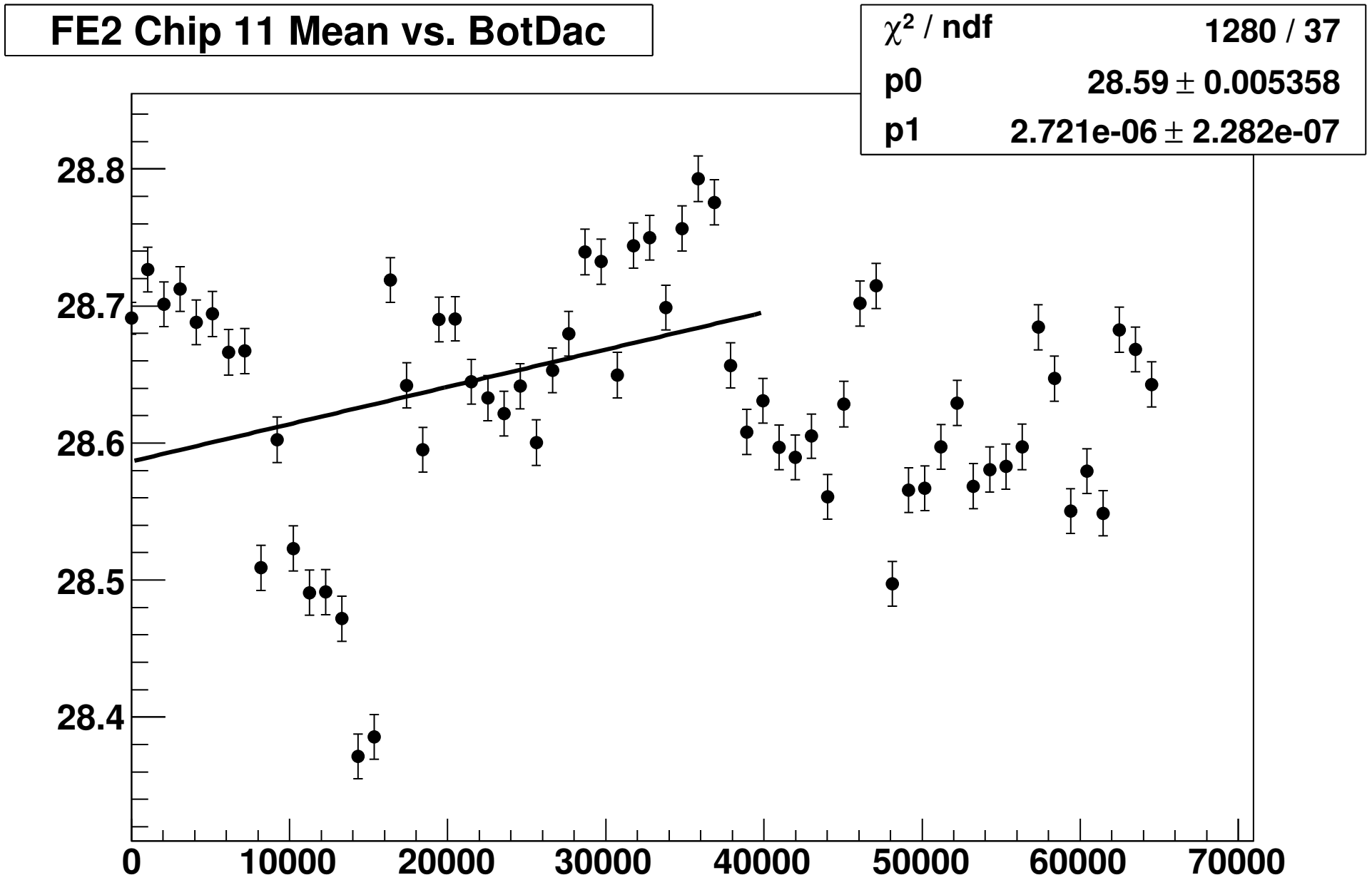
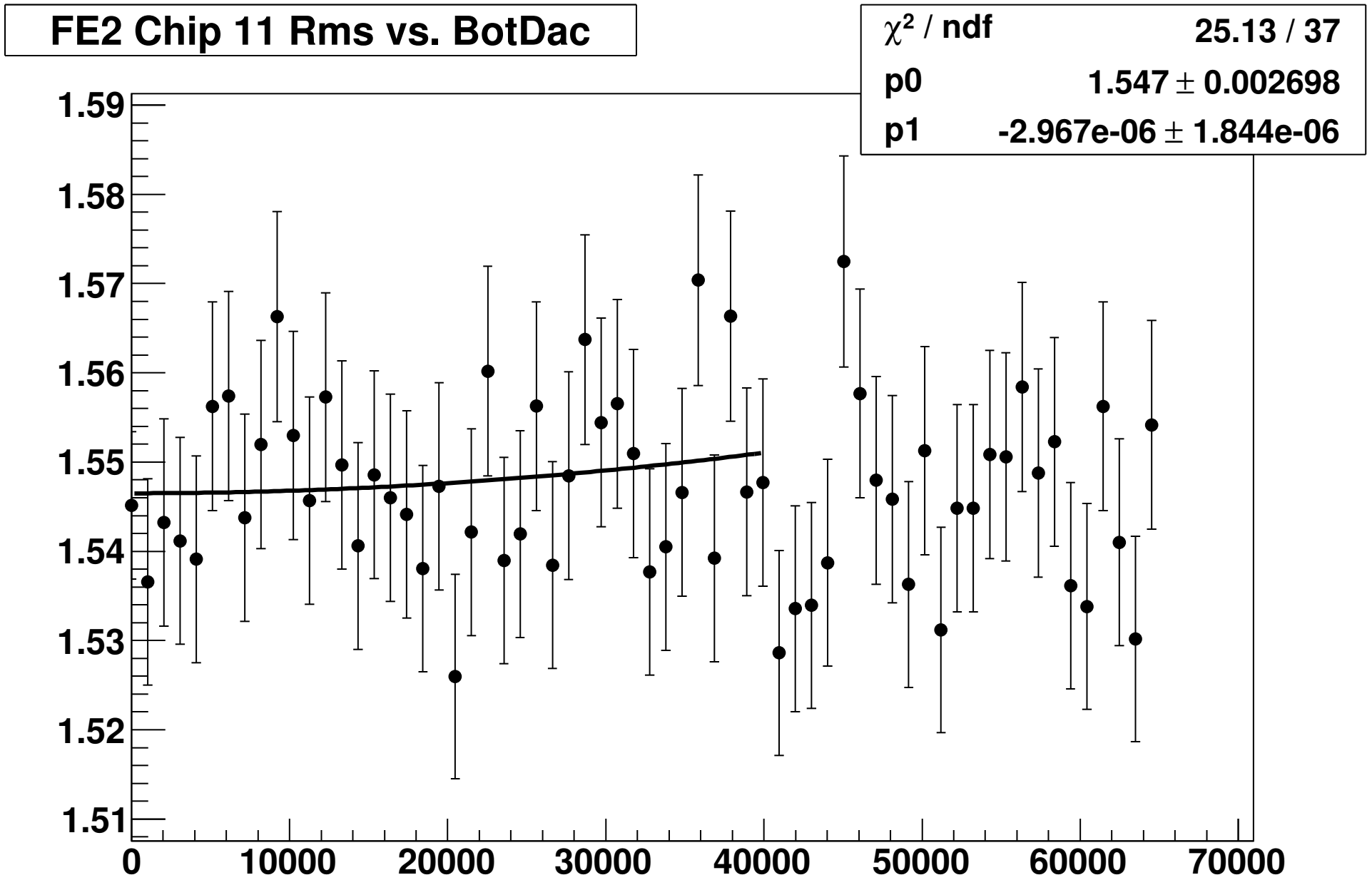
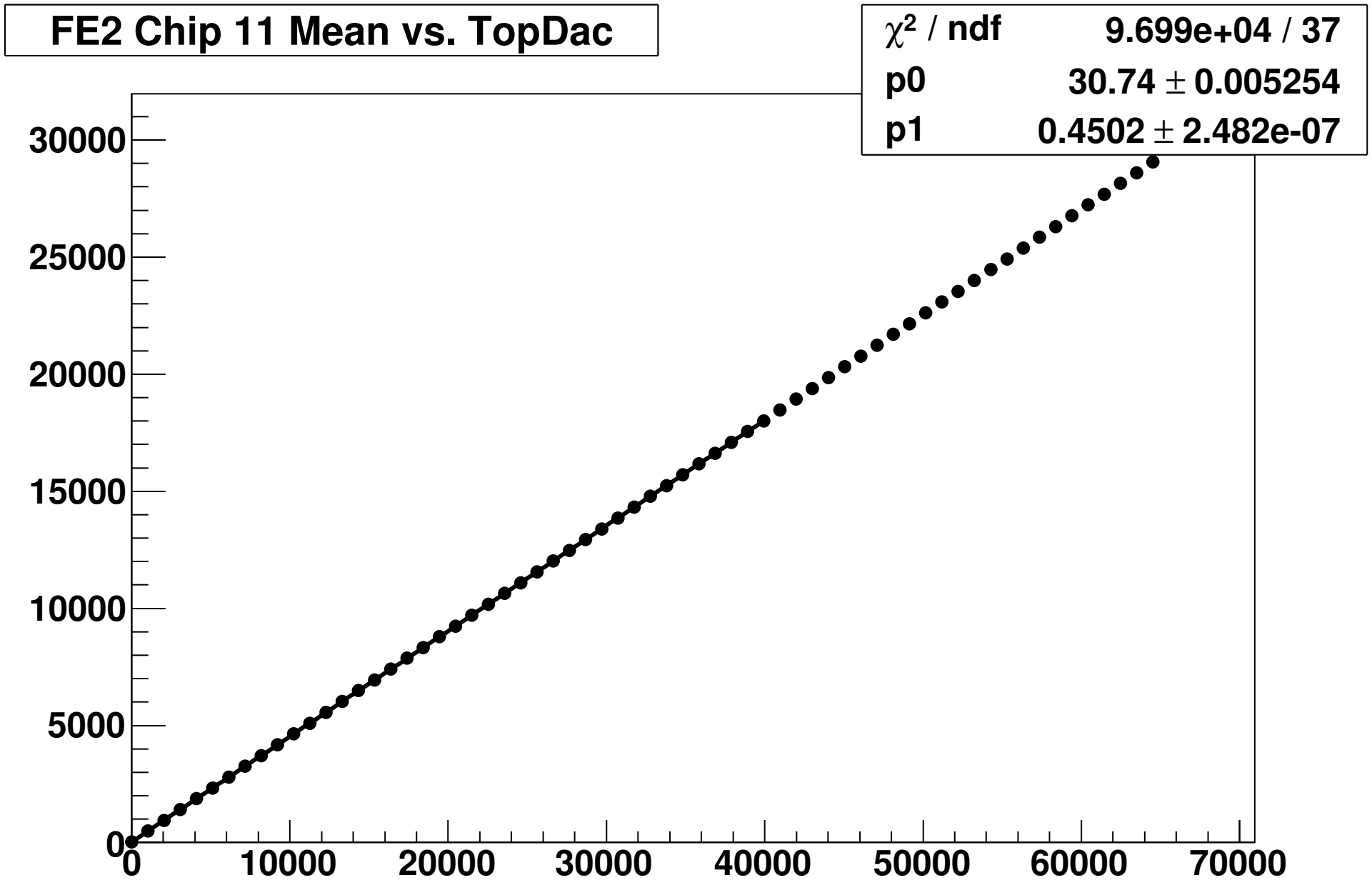
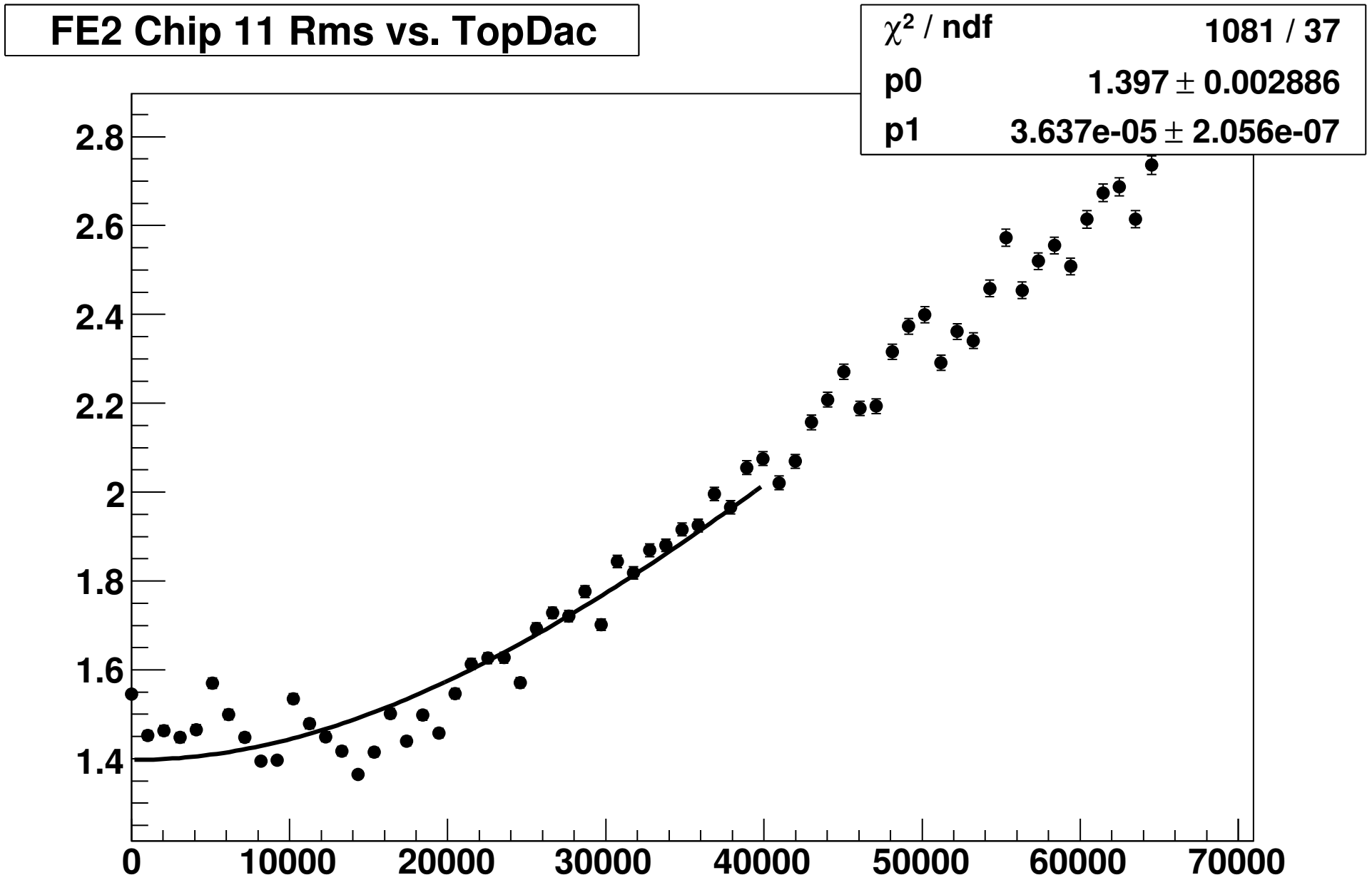
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 962.3 / 37
p0 1.39 ± 0.002871
p1 3.645e-05 ± 2.036e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 1280 / 37
p0 28.59 ± 0.005358
p1 2.721e-06 ± 2.282e-07
28.8
28.7
28.6
28.5
28.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 25.13 / 37
p0 1.547 ± 0.002698
p1 -2.967e-06 ± 1.844e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 9.699e+04 / 37
p0 30.74 ± 0.005254
p1 0.4502 ± 2.482e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1081 / 37
p0 1.397 ± 0.002886
p1 3.637e-05 ± 2.056e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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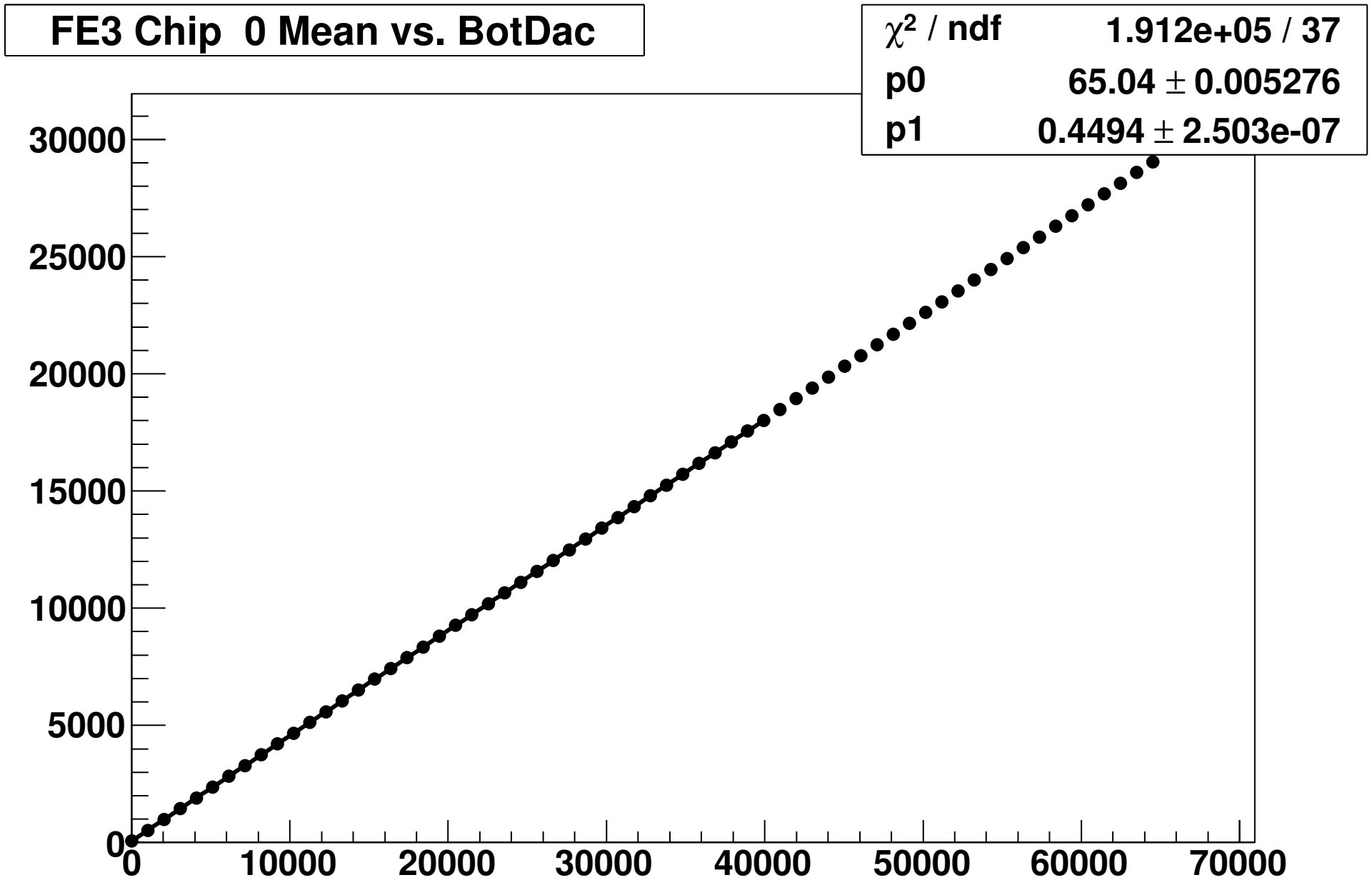
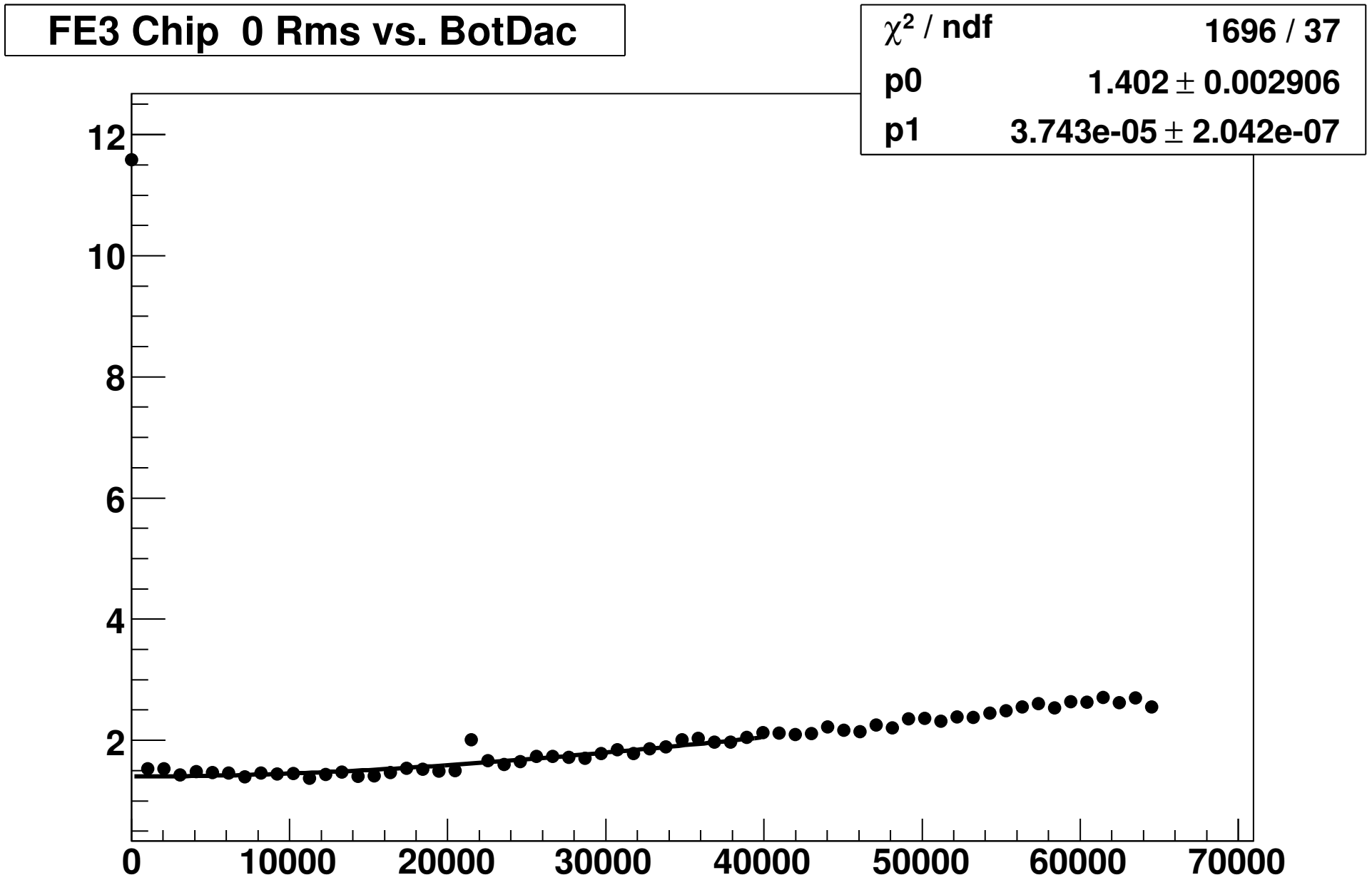
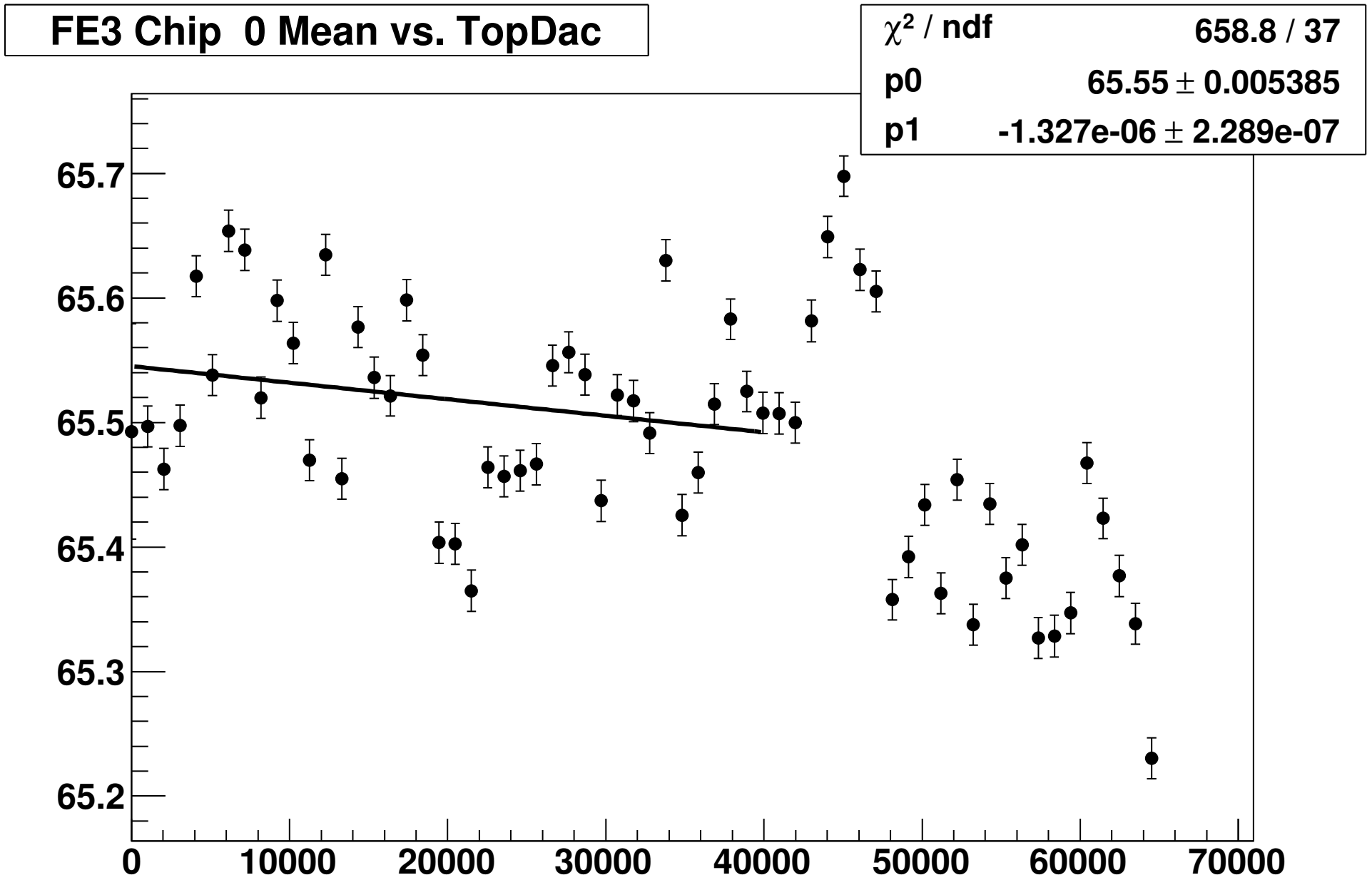
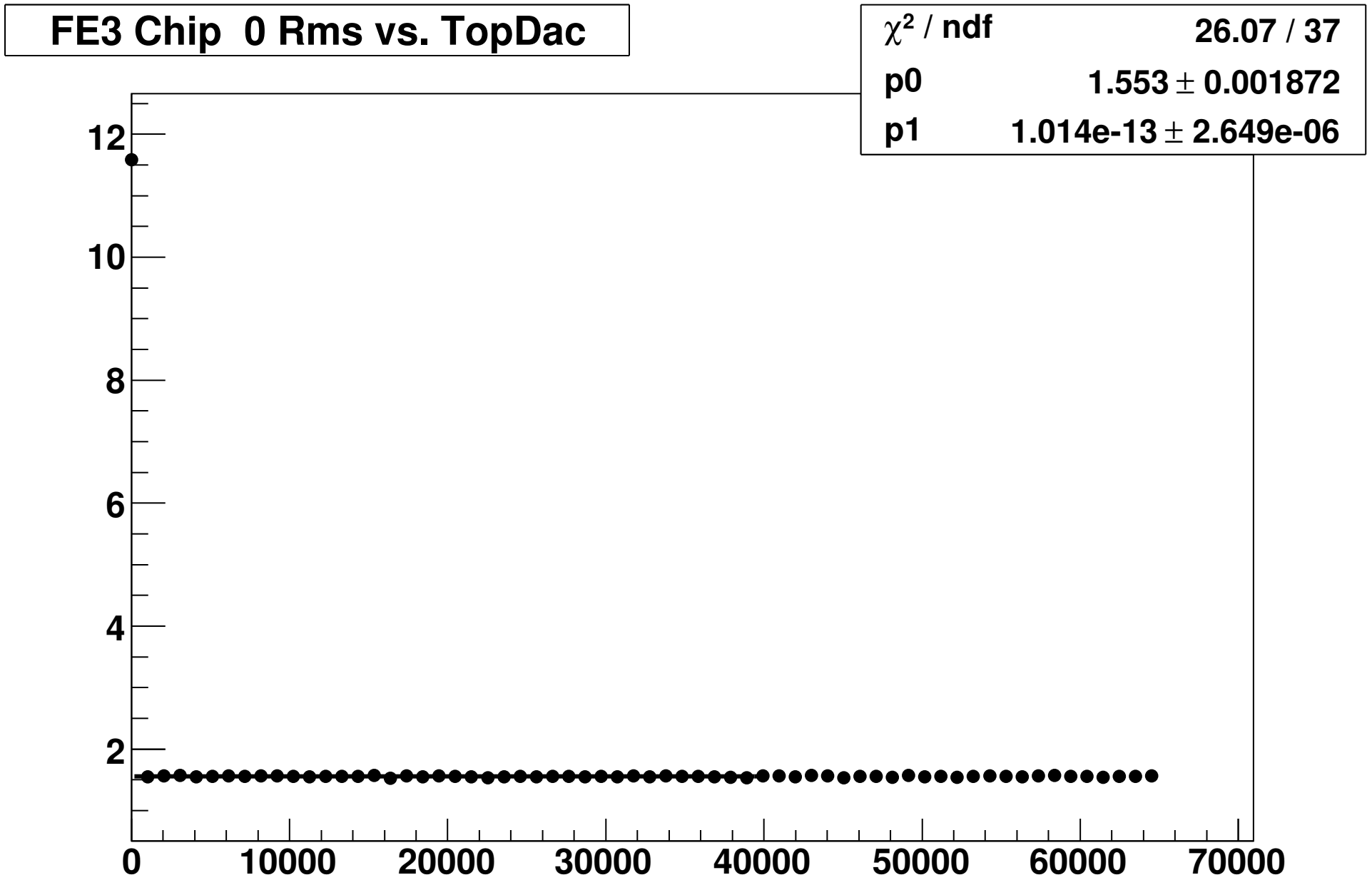
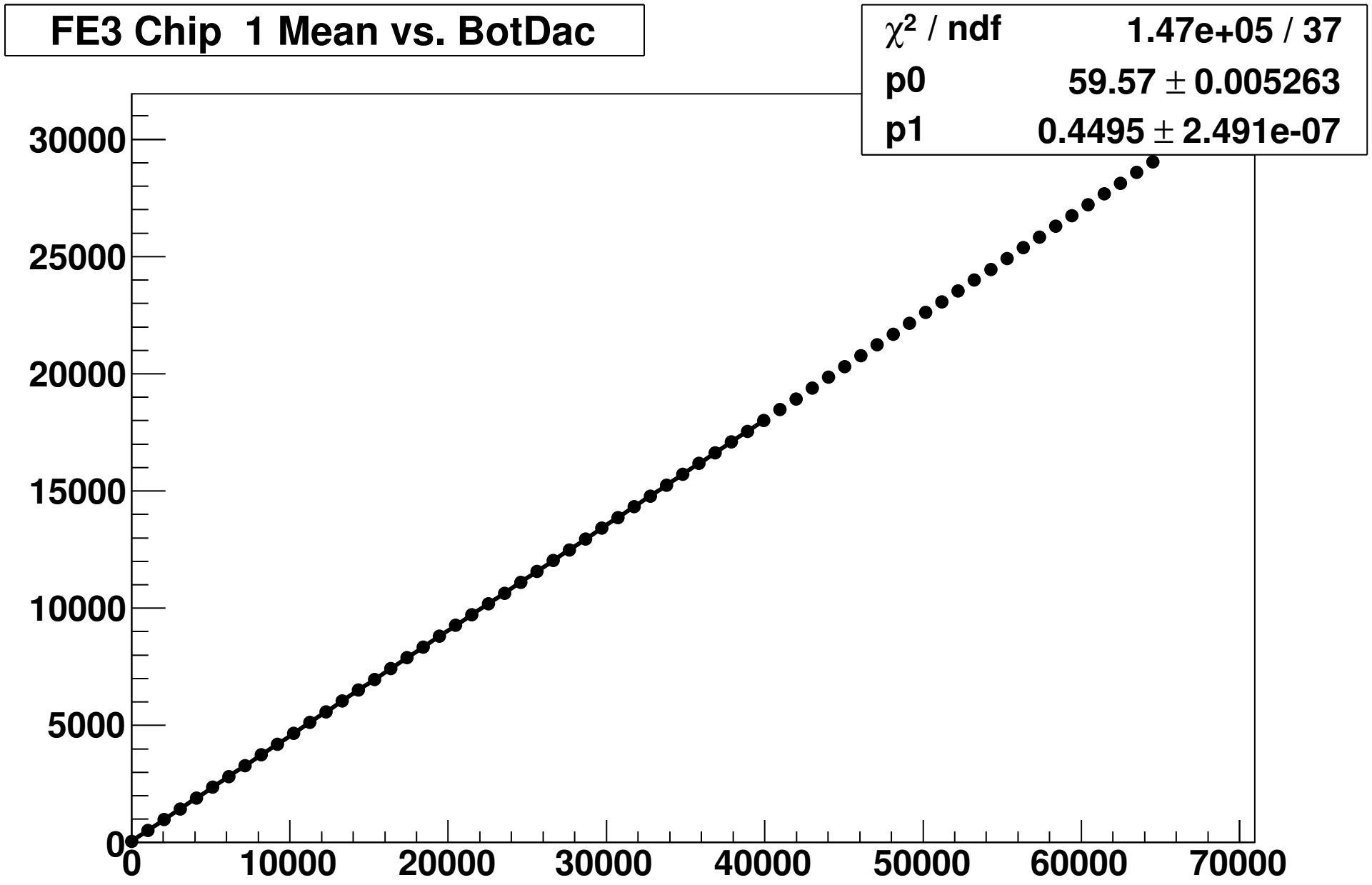
50000
60000
70000

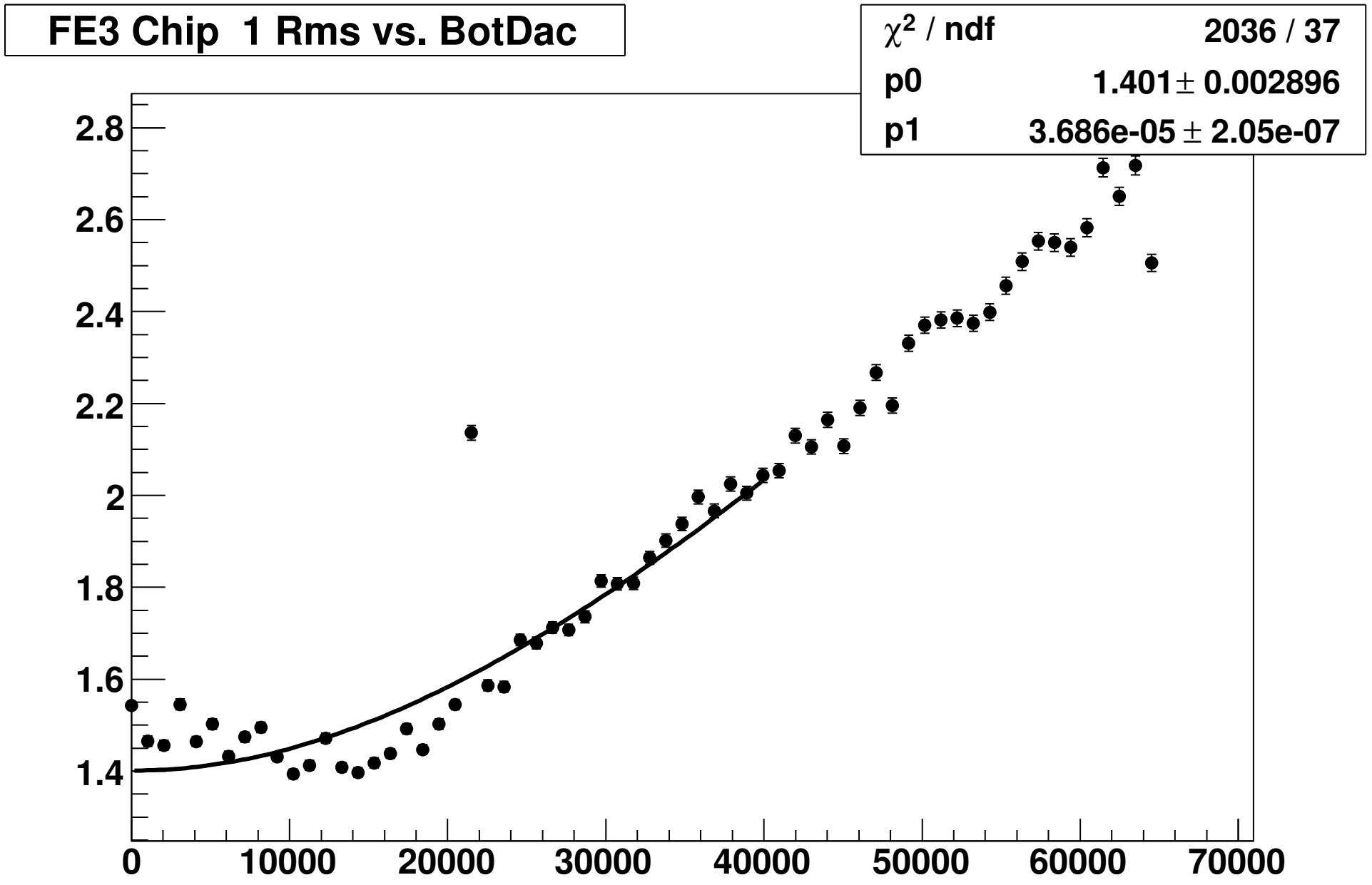

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.912e+05 / 37
p0 65.04 ± 0.005276
p1 0.4494 ± 2.503e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

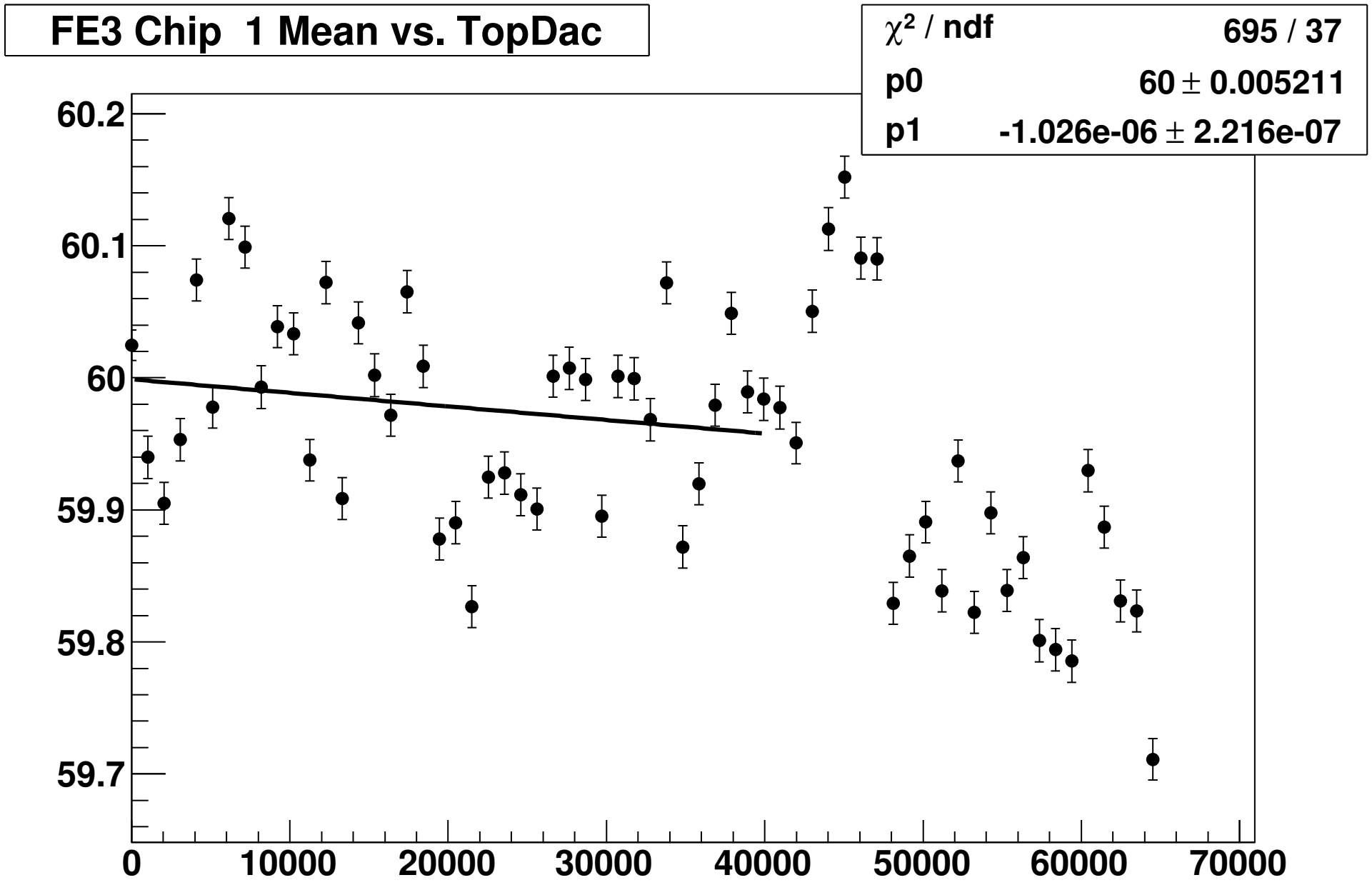

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1696 / 37
p0 1.402 ± 0.002906
p1 3.743e-05 ± 2.042e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

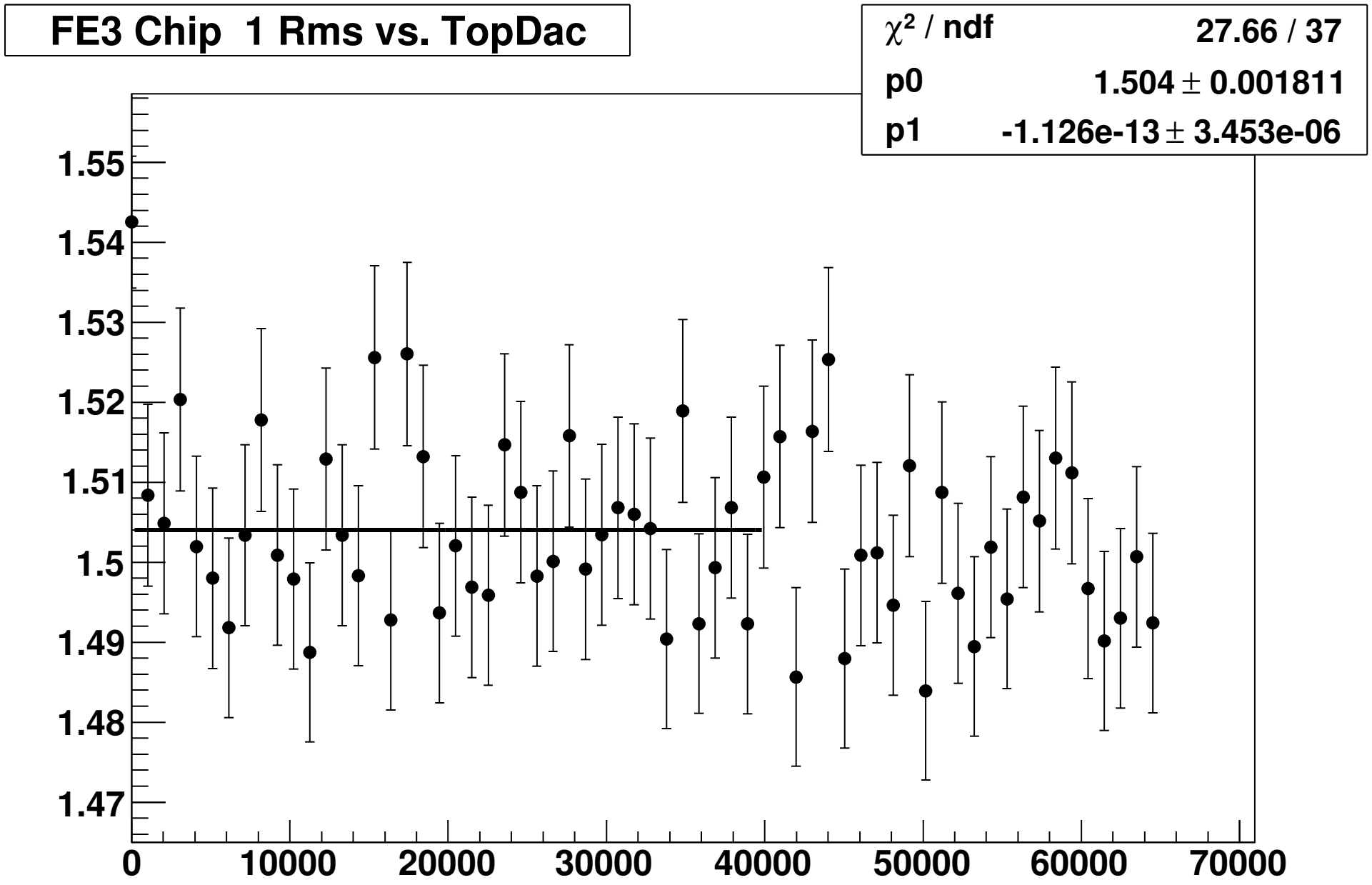

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 658.8 / 37
p0 65.55 ± 0.005385
p1 -1.327e-06 ± 2.289e-07
65.7
65.6
65.5
65.4
65.3
65.2
0
10000
20000
30000
40000
50000
60000
70000

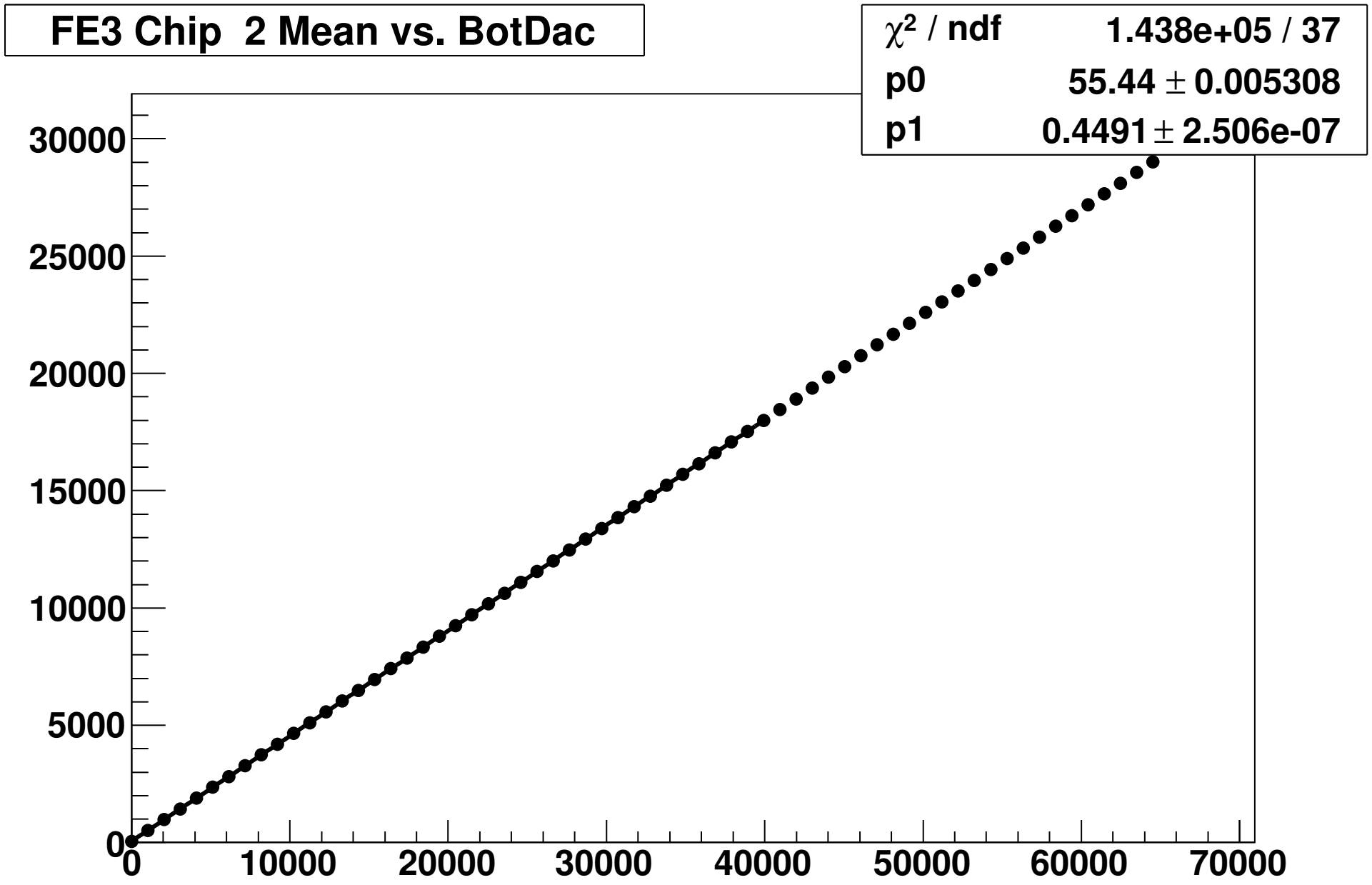

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 26.07 / 37
p0 1.553 ± 0.001872
p1 1.014e-13 ± 2.649e-06
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

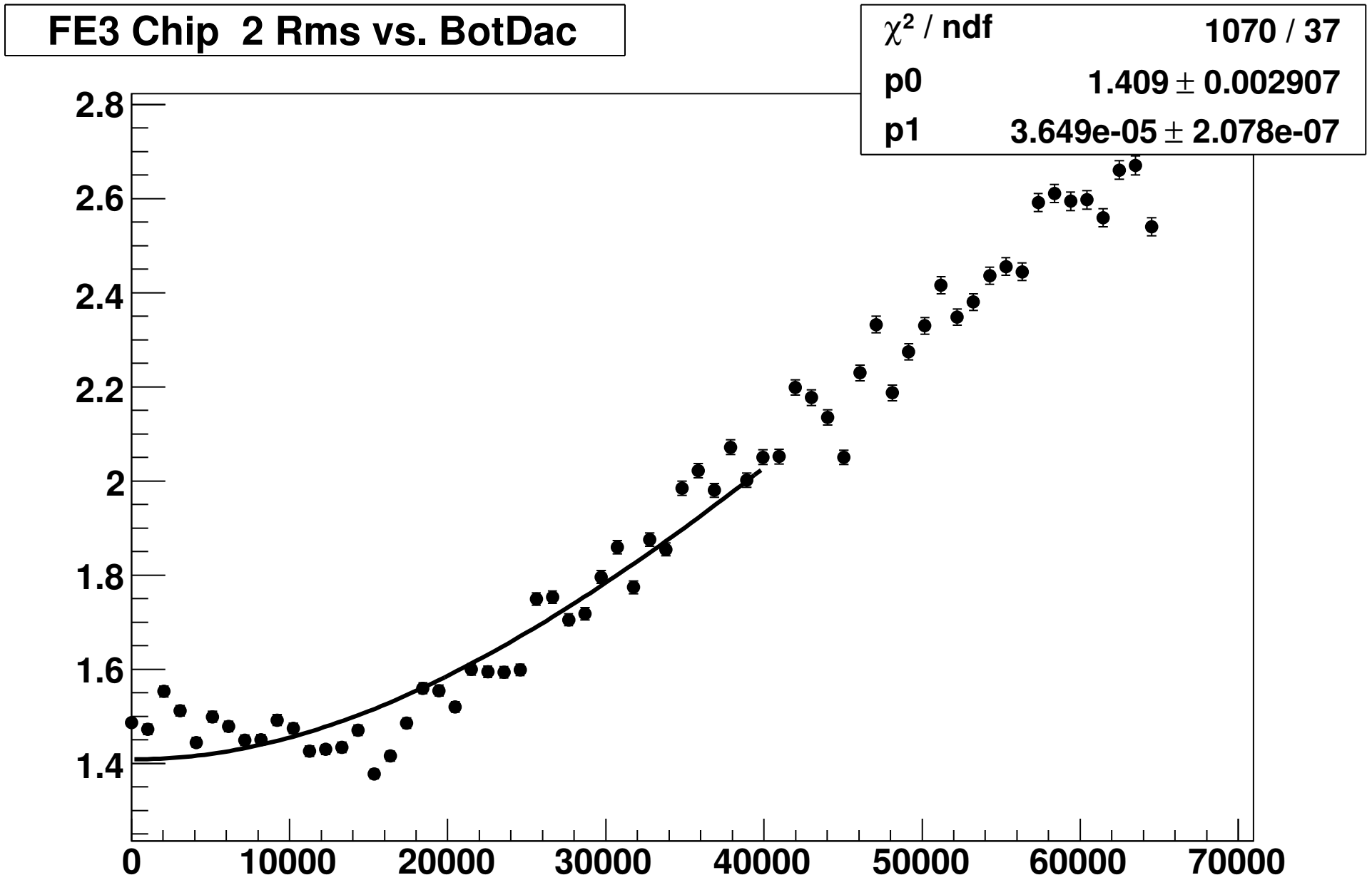

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.47e+05 / 37
p0 59.57 ± 0.005263
p1 0.4495 ± 2.491e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

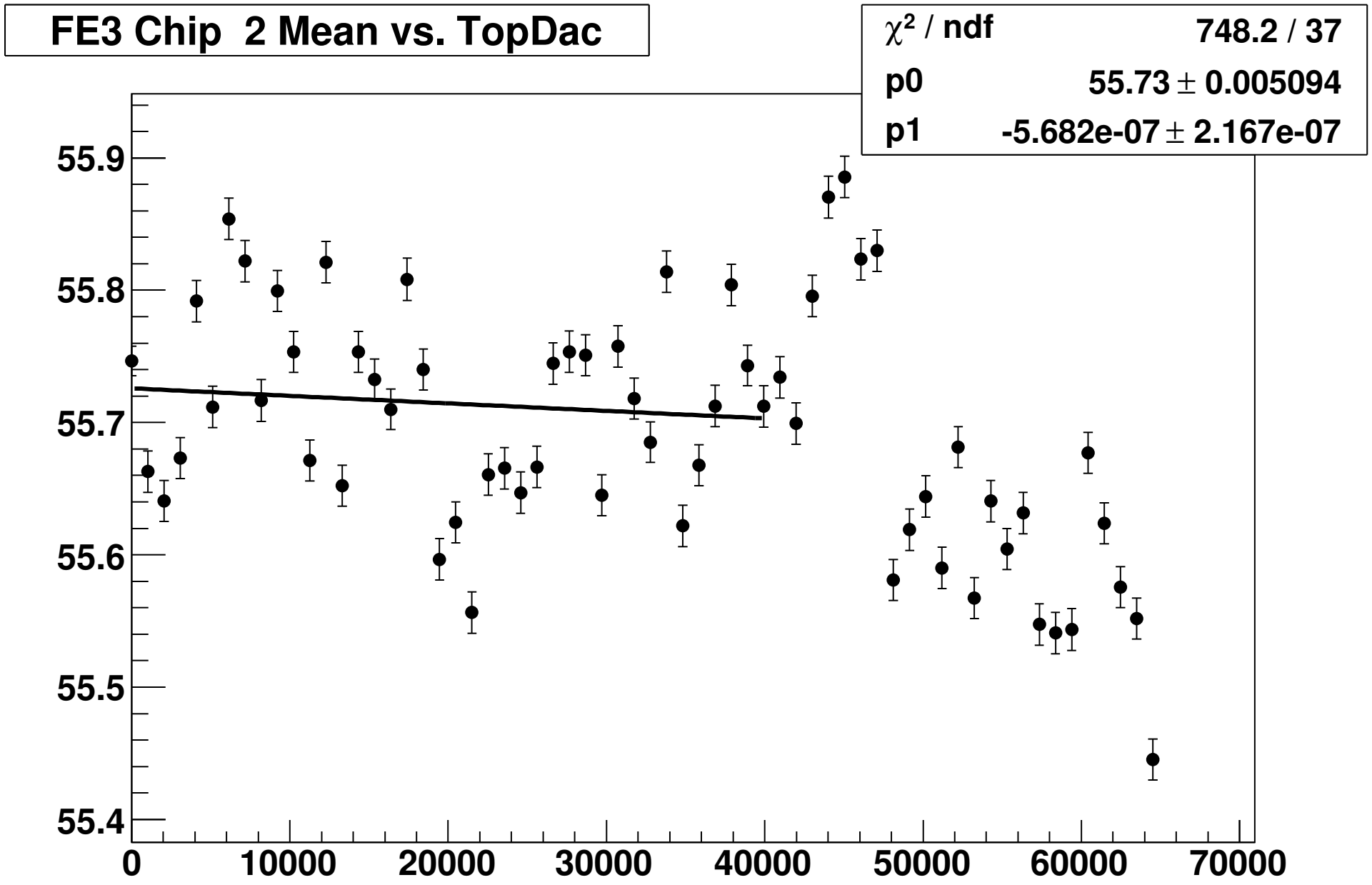

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 2036 / 37
p0 1.401 ± 0.002896
p1 3.686e-05 ± 2.05e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

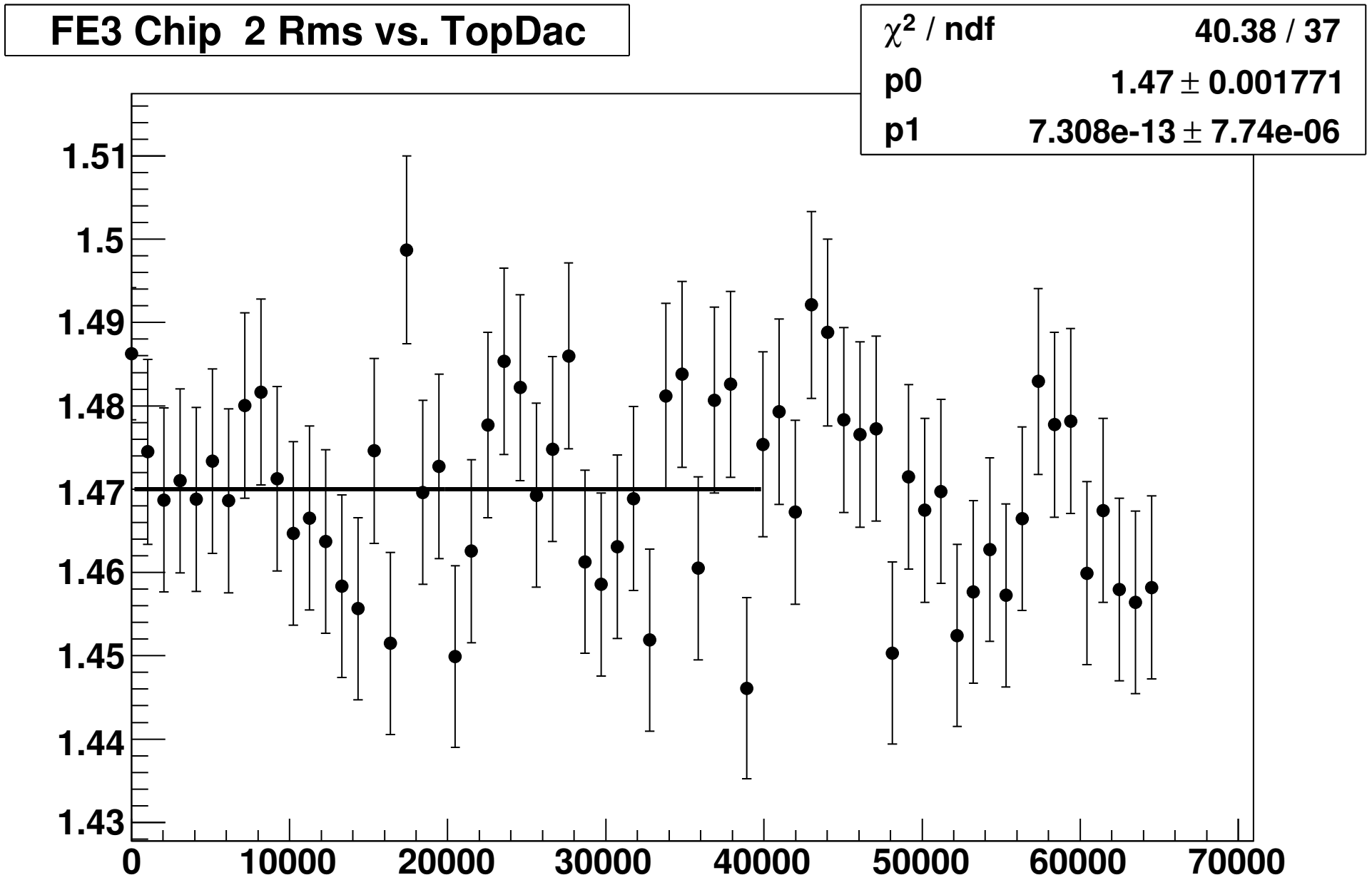

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 695 / 37
p0 60 ± 0.005211
p1 -1.026e-06 ± 2.216e-07
60.2
60.1
60
59.9
59.8
59.7
0
10000
20000
30000
40000
50000
60000
70000

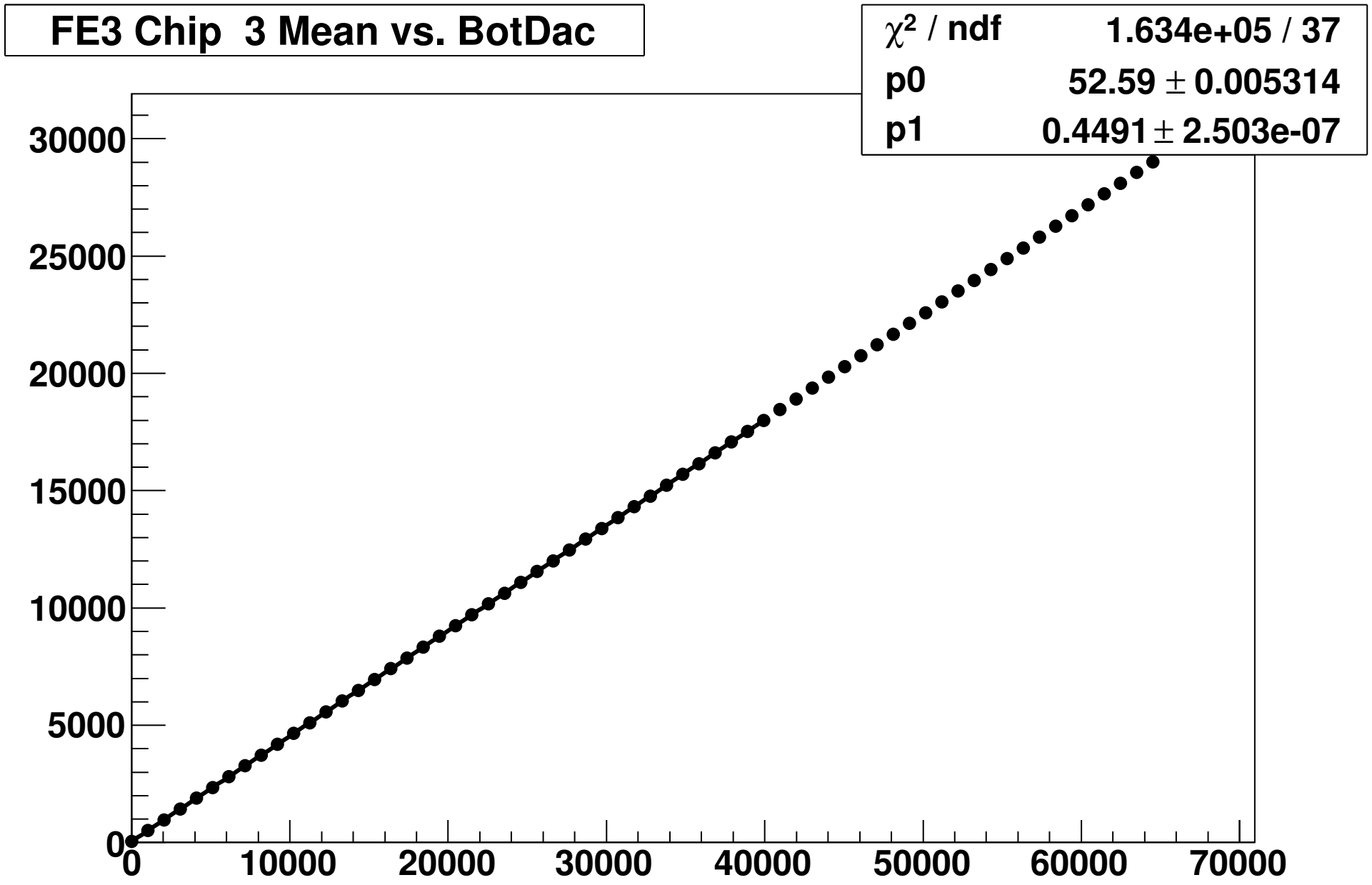

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 27.66 / 37
p0 1.504 ± 0.001811
p1 -1.126e-13 ± 3.453e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

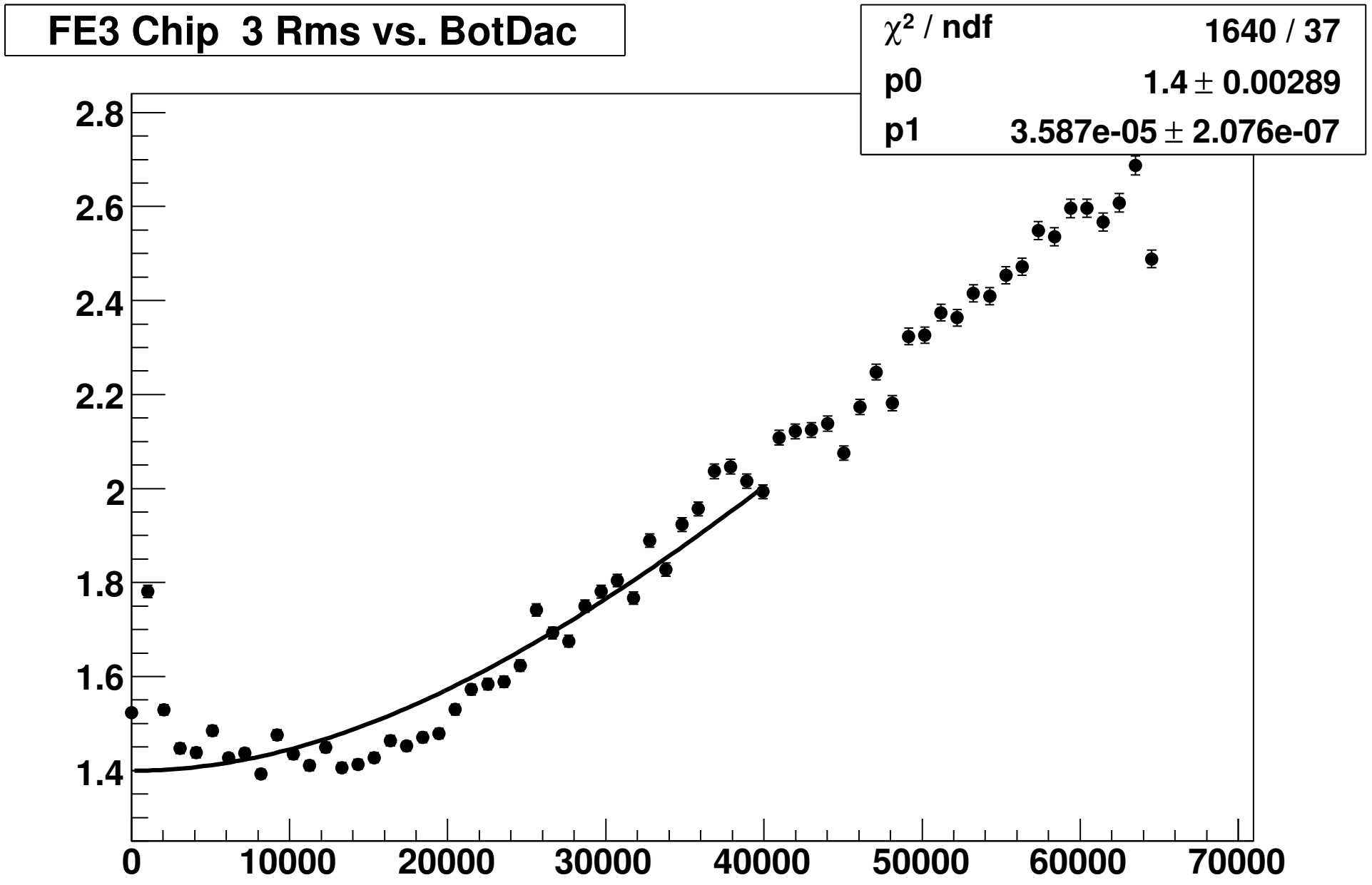

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.438e+05 / 37
p0 55.44 ± 0.005308
p1 0.4491 ± 2.506e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

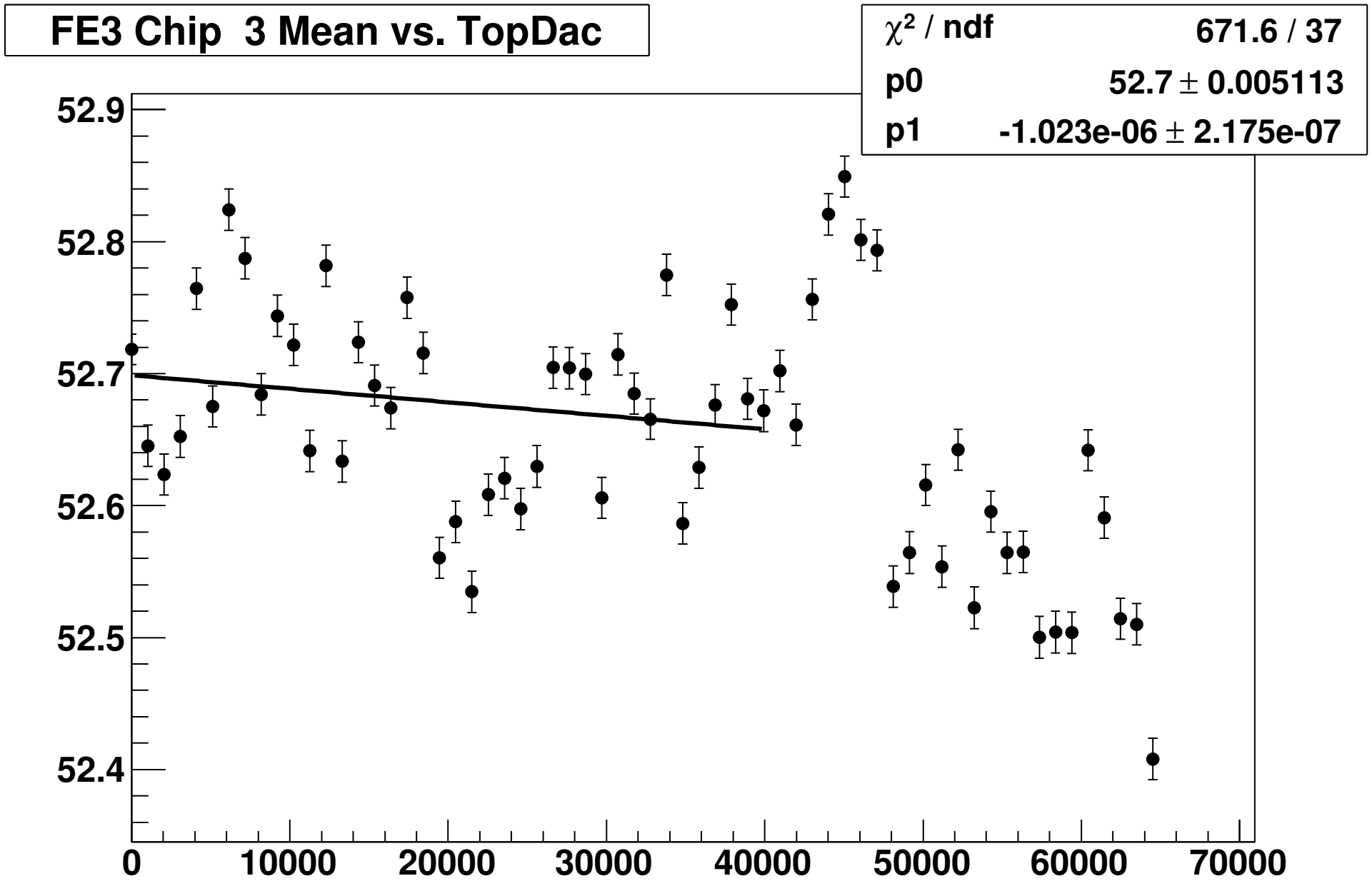

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1070 / 37
p0 1.409 ± 0.002907
p1 3.649e-05 ± 2.078e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

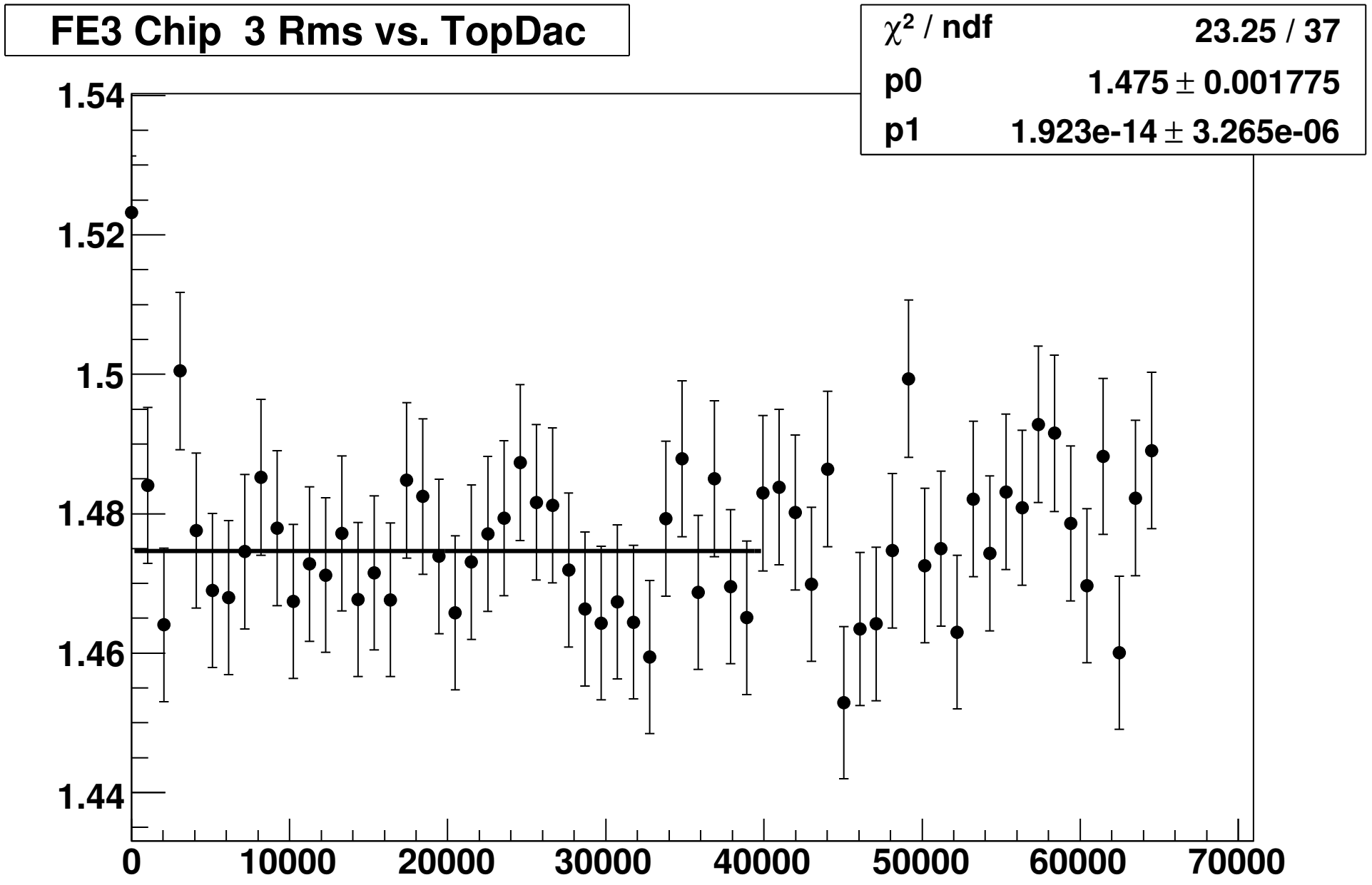

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 748.2 / 37
p0 55.73 ± 0.005094
p1 -5.682e-07 ± 2.167e-07
55.9
55.8
55.7
55.6
55.5
55.4
0
10000
20000
30000
40000
50000
60000
70000

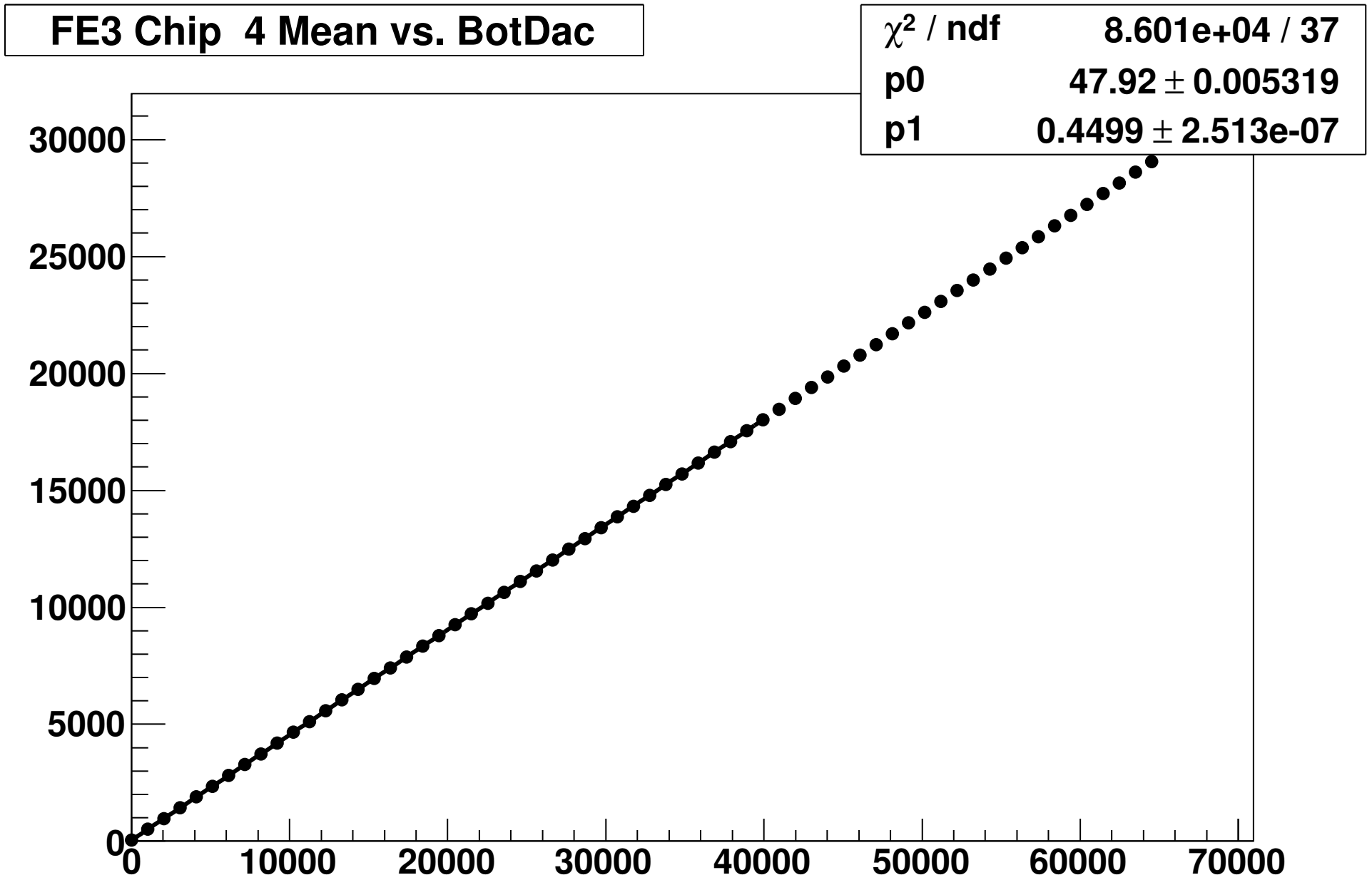

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 40.38 / 37
p0 1.47 ± 0.001771
p1 7.308e-13 ± 7.74e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

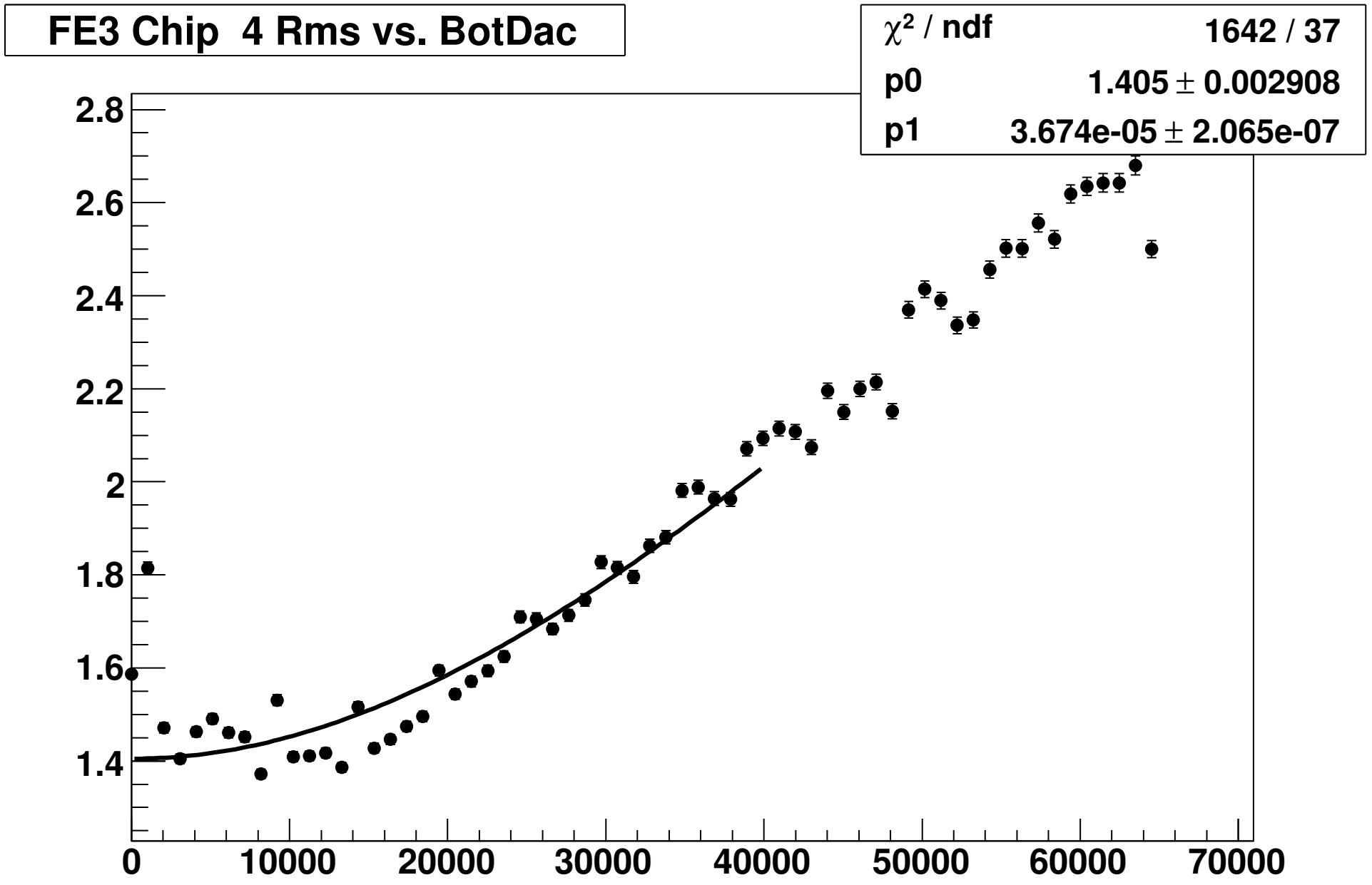

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 1.634e+05 / 37
p0 52.59 ± 0.005314
p1 0.4491 ± 2.503e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1640 / 37
p0 1.4 ± 0.00289
p1 3.587e-05 ± 2.076e-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 3 Mean vs. TopDac
χ² / ndf 671.6 / 37
p0 52.7 ± 0.005113
p1 -1.023e-06 ± 2.175e-07
52.9
52.8
52.7
52.6
52.5
52.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 23.25 / 37
p0 1.475 ± 0.001775
p1 1.923e-14 ± 3.265e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 8.601e+04 / 37
p0 47.92 ± 0.005319
p1 0.4499 ± 2.513e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1642 / 37
p0 1.405 ± 0.002908
p1 3.674e-05 ± 2.065e-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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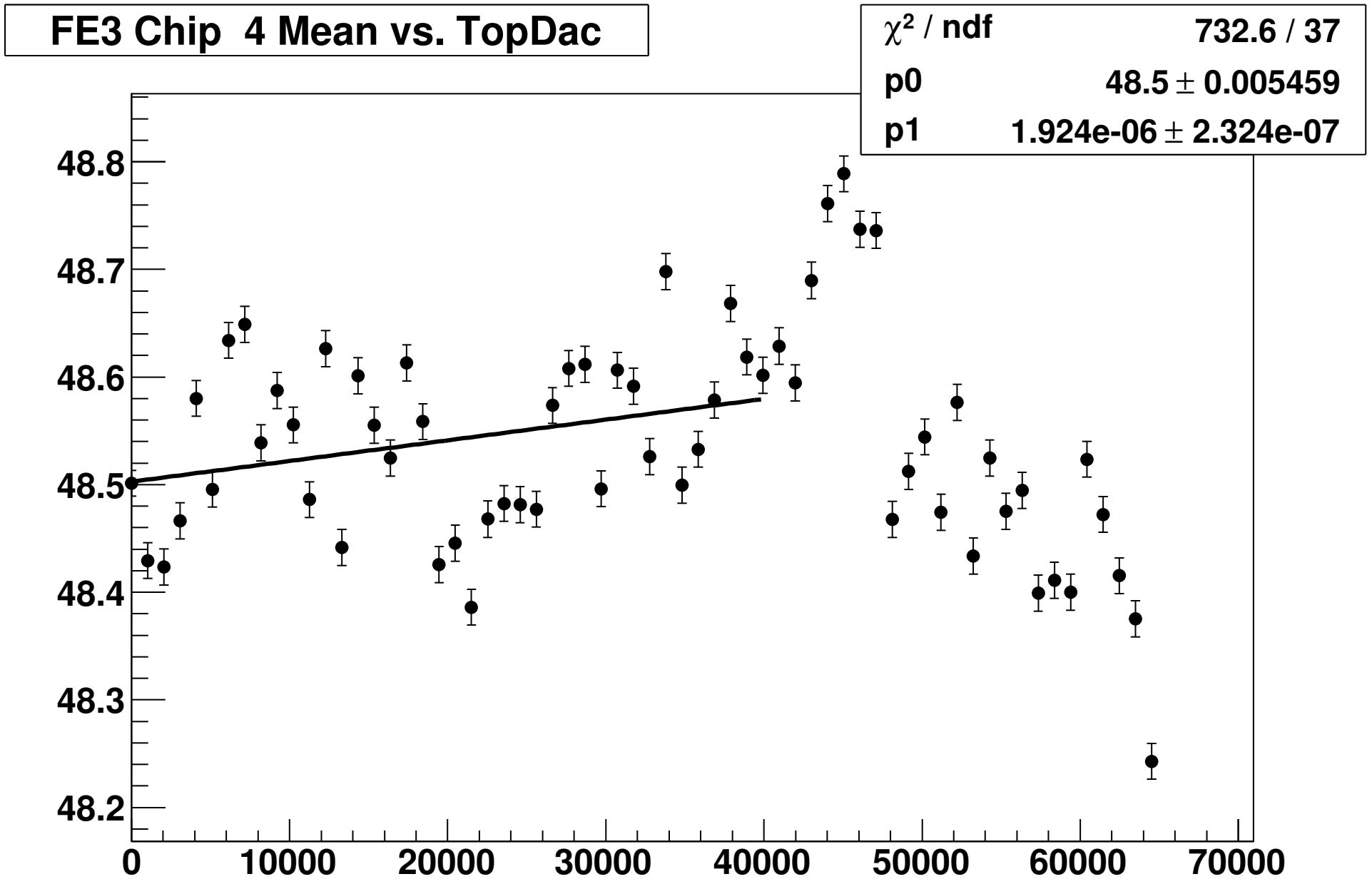
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 732.6 / 37
p0 48.5 ± 0.005459
p1 1.924e-06 ± 2.324e-07
48.8
48.7
48.6
48.5
48.4
48.3
48.2
0
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20000
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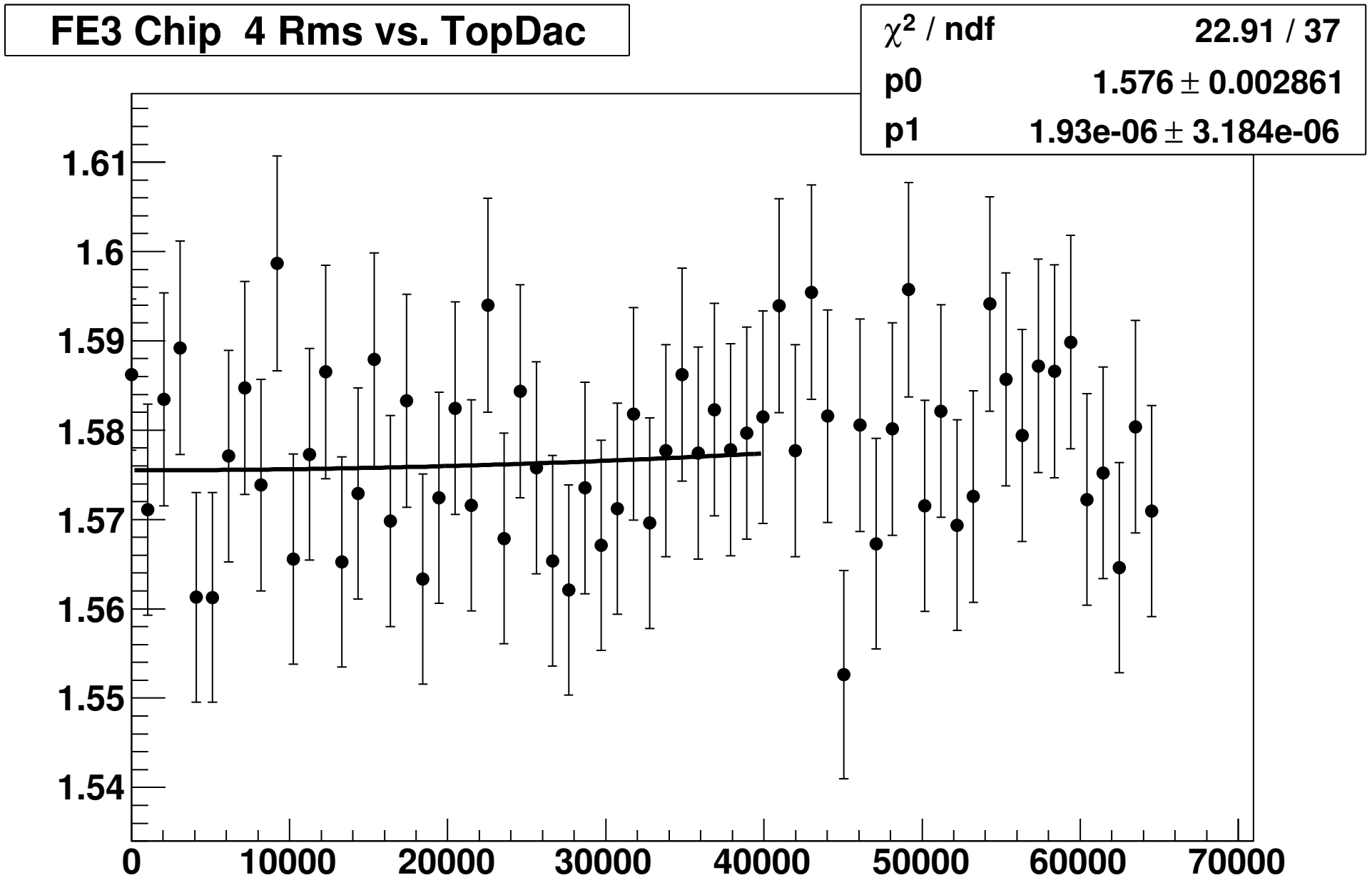
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 22.91 / 37
p0 1.576 ± 0.002861
p1 1.93e-06 ± 3.184e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
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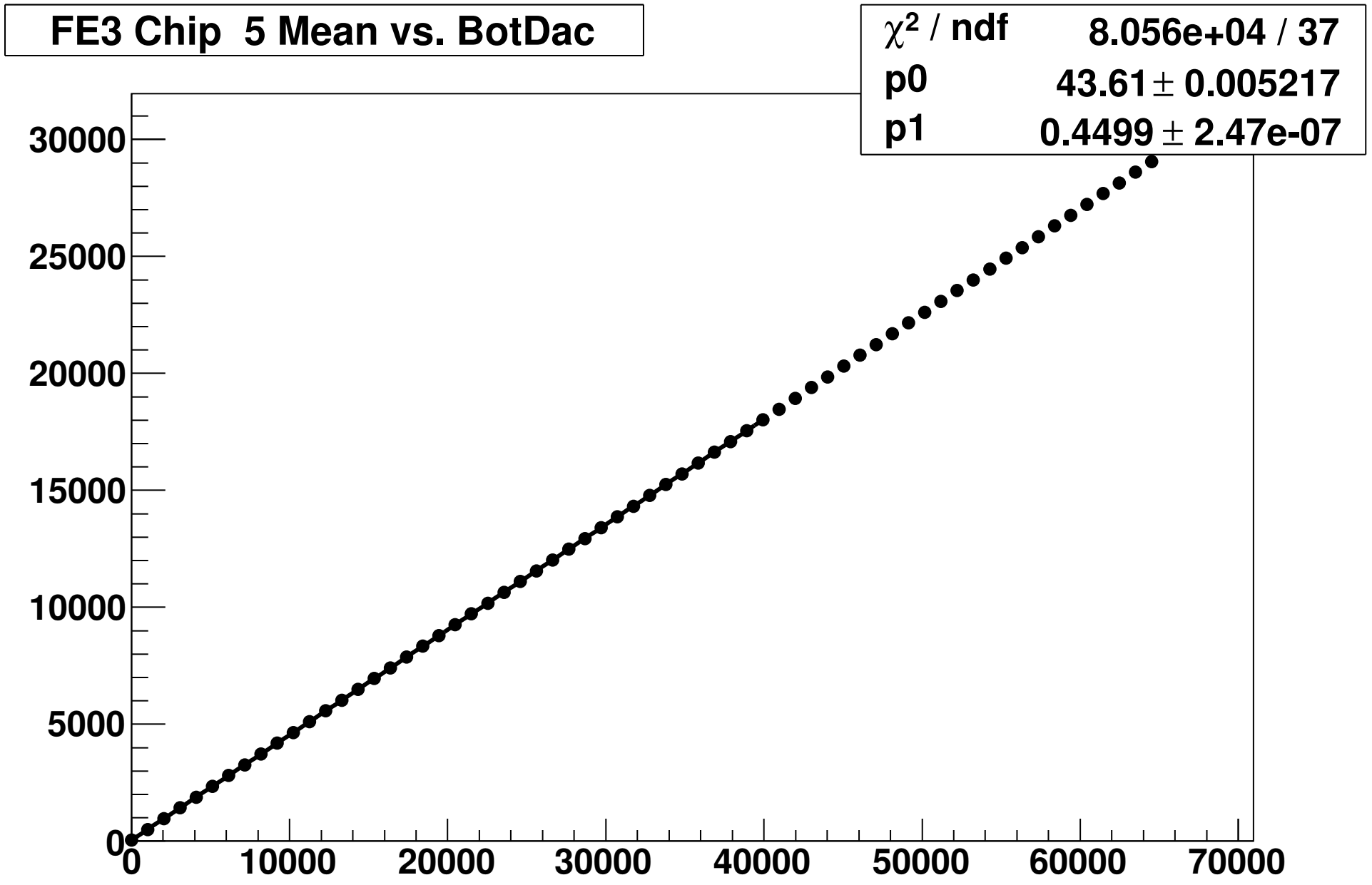
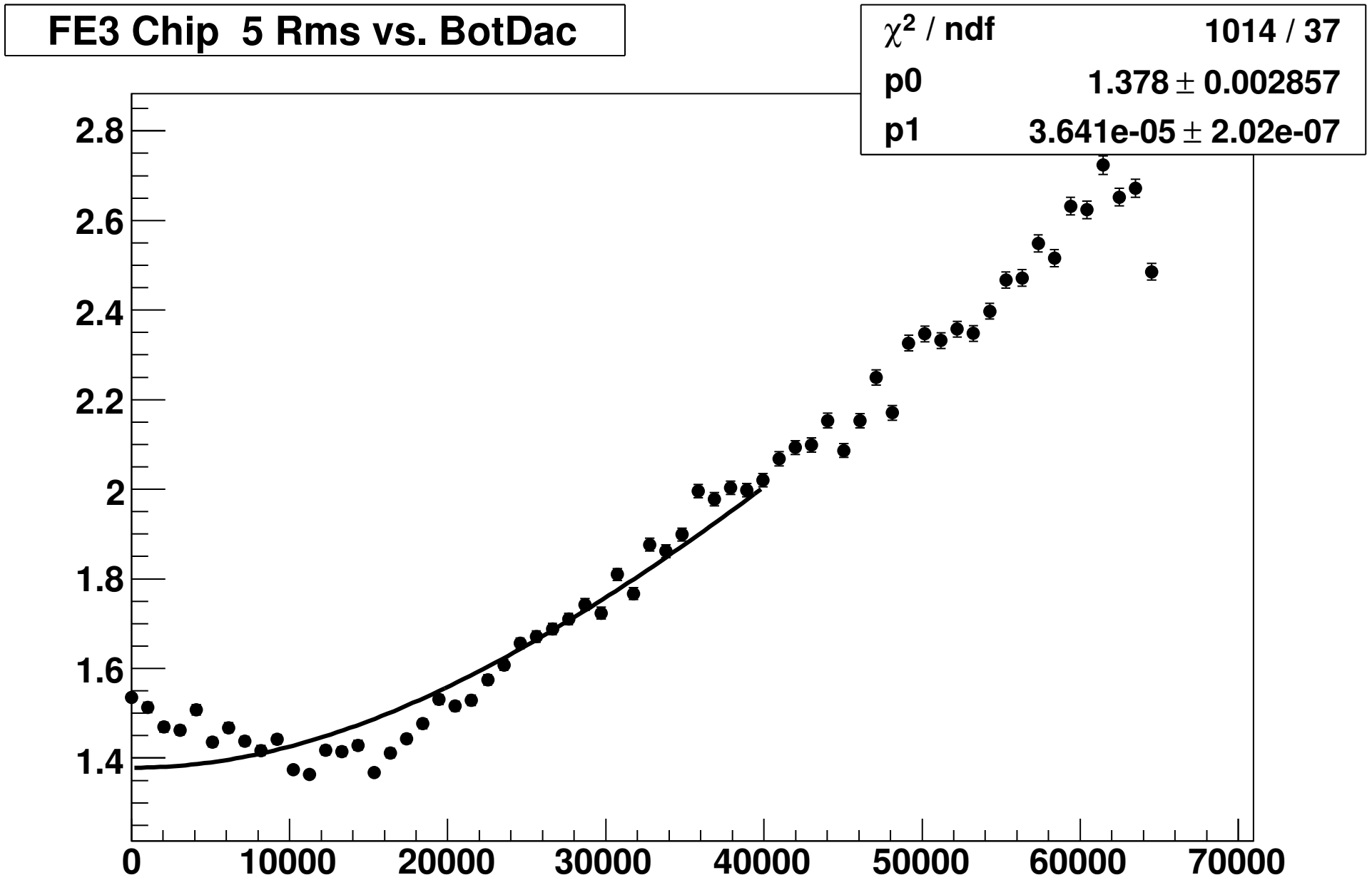

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 8.056e+04 / 37
p0 43.61 ± 0.005217
p1 0.4499 ± 2.47e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1014 / 37
p0 1.378 ± 0.002857
p1 3.641e-05 ± 2.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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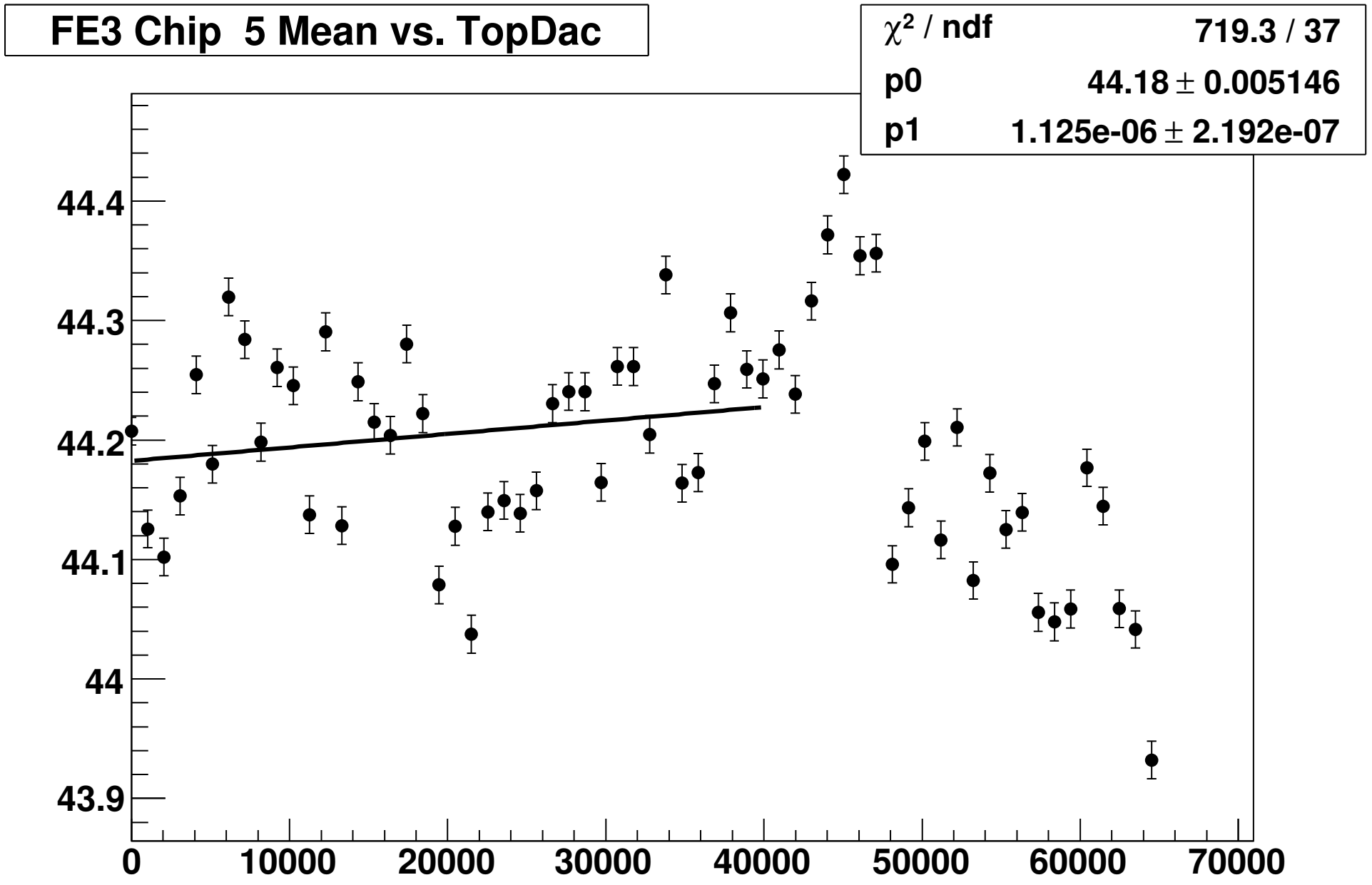
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 719.3 / 37
p0 44.18 ± 0.005146
p1 1.125e-06 ± 2.192e-07
44.4
44.3
44.2
44.1
44
43.9
0
10000
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30000
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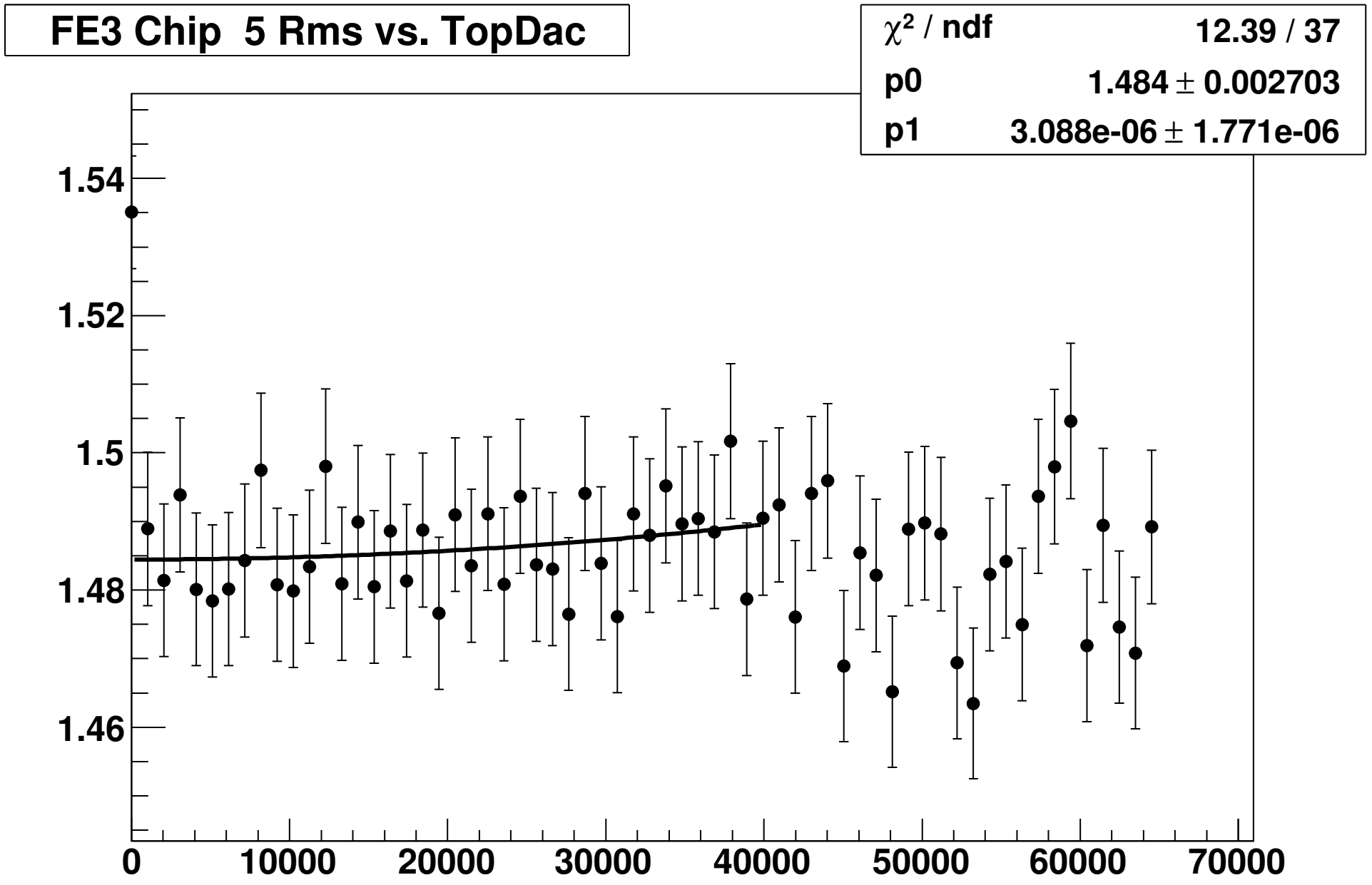
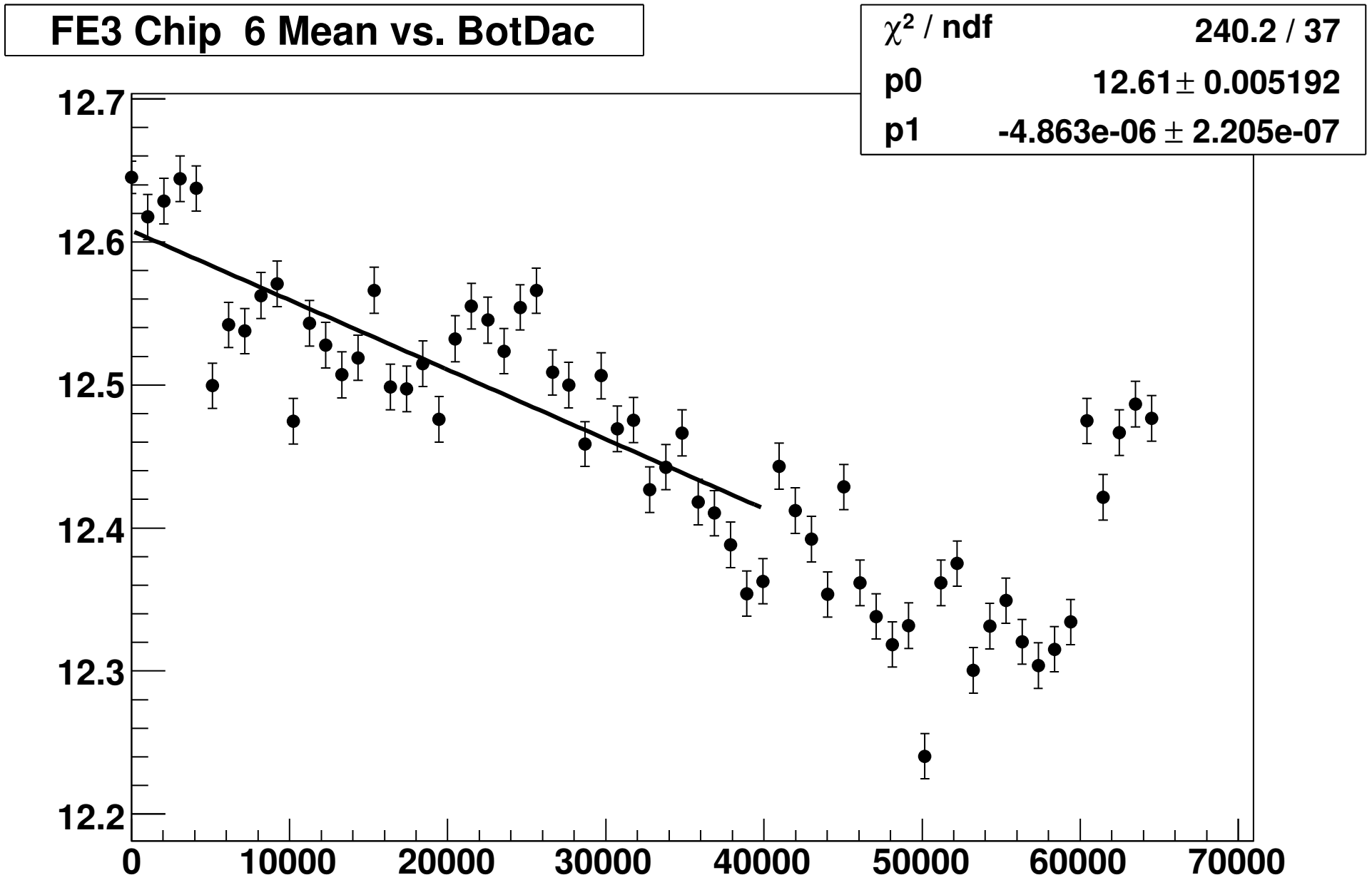
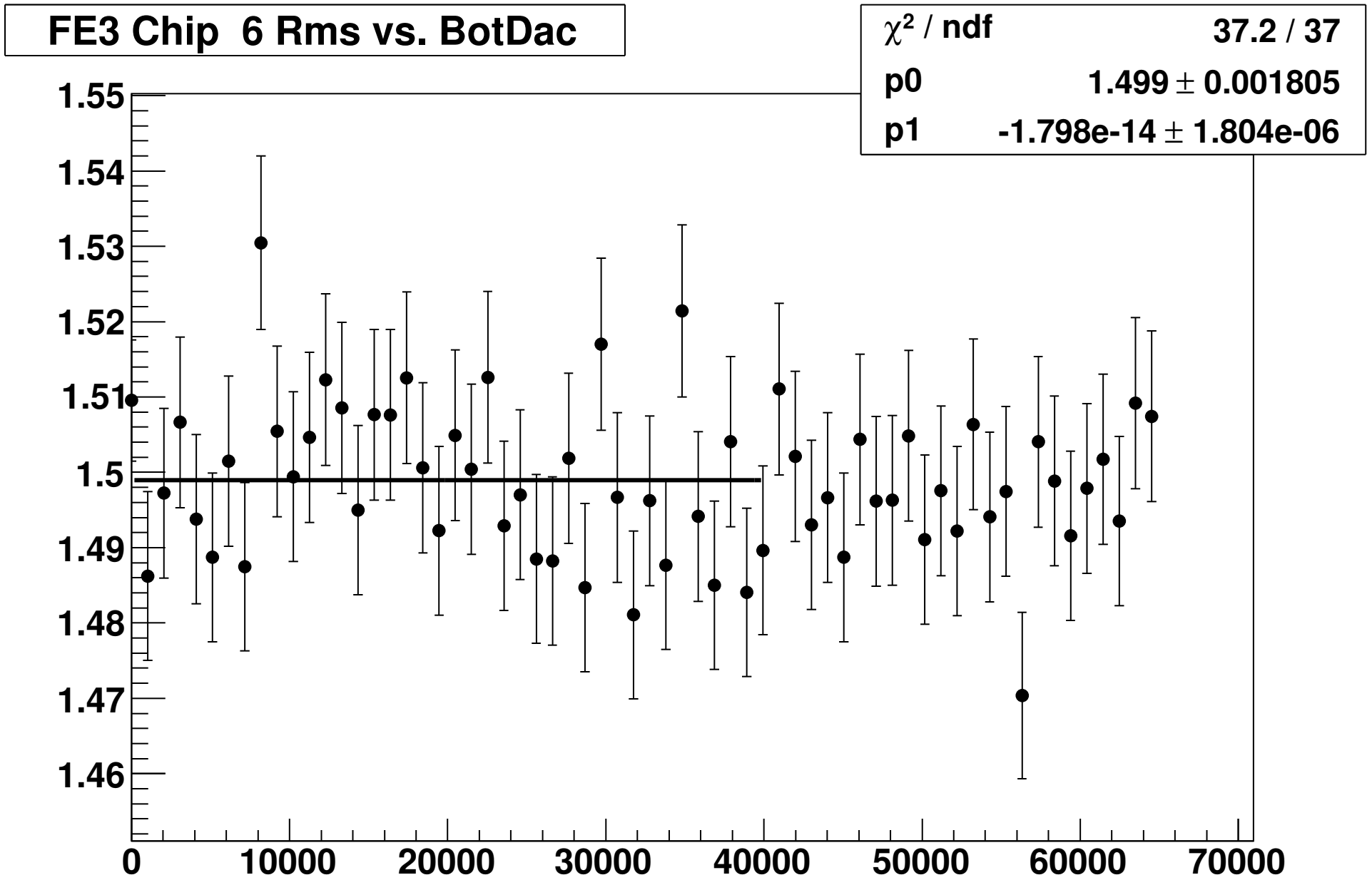
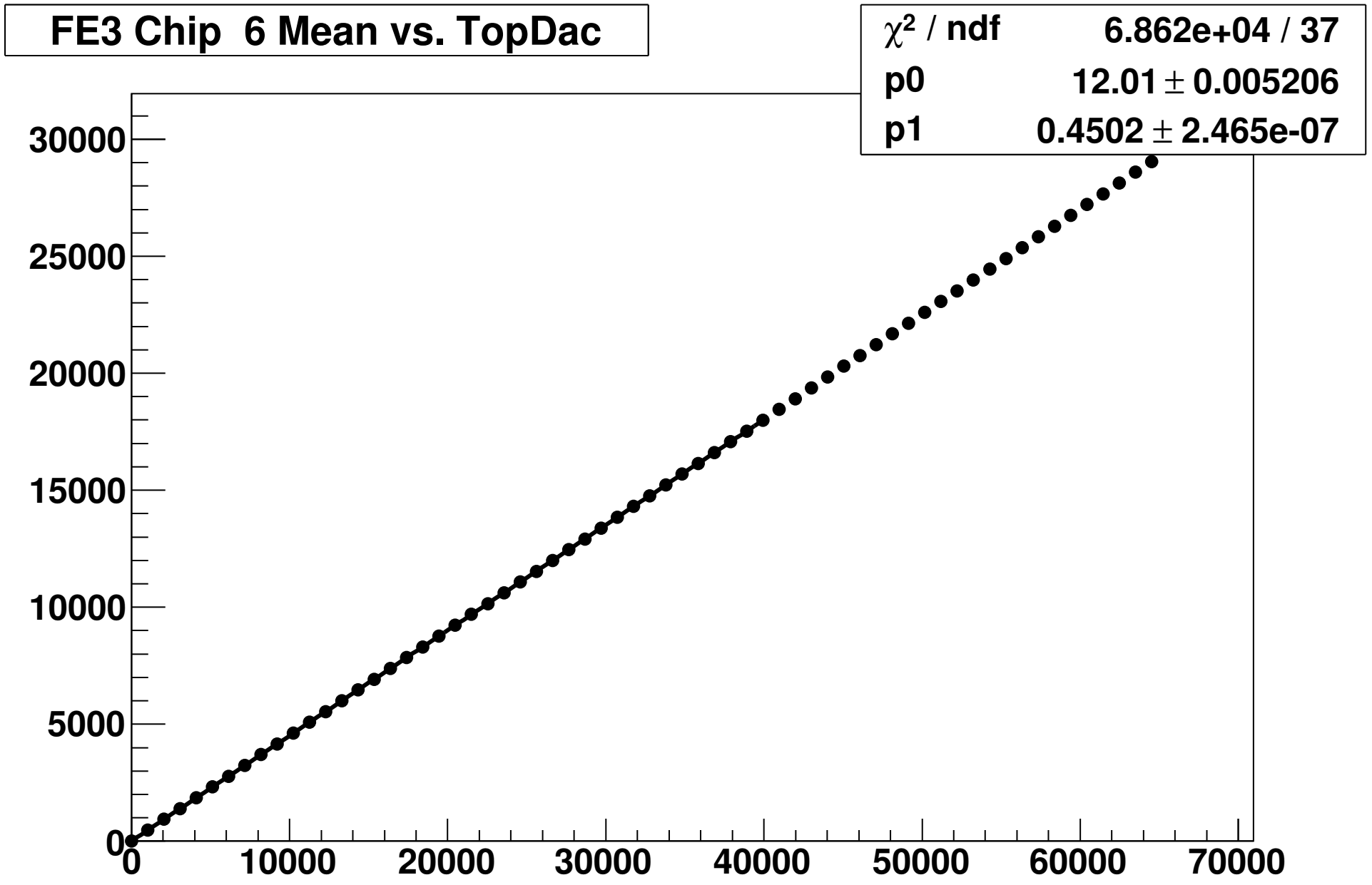
50000
60000
70000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 12.39 / 37
p0 1.484 ± 0.002703
p1 3.088e-06 ± 1.771e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 240.2 / 37
p0 12.61 ± 0.005192
p1 -4.863e-06 ± 2.205e-07
12.7
12.6
12.5
12.4
12.3
12.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 37.2 / 37
p0 1.499 ± 0.001805
p1 -1.798e-14 ± 1.804e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 6.862e+04 / 37
p0 12.01 ± 0.005206
p1 0.4502 ± 2.465e-07
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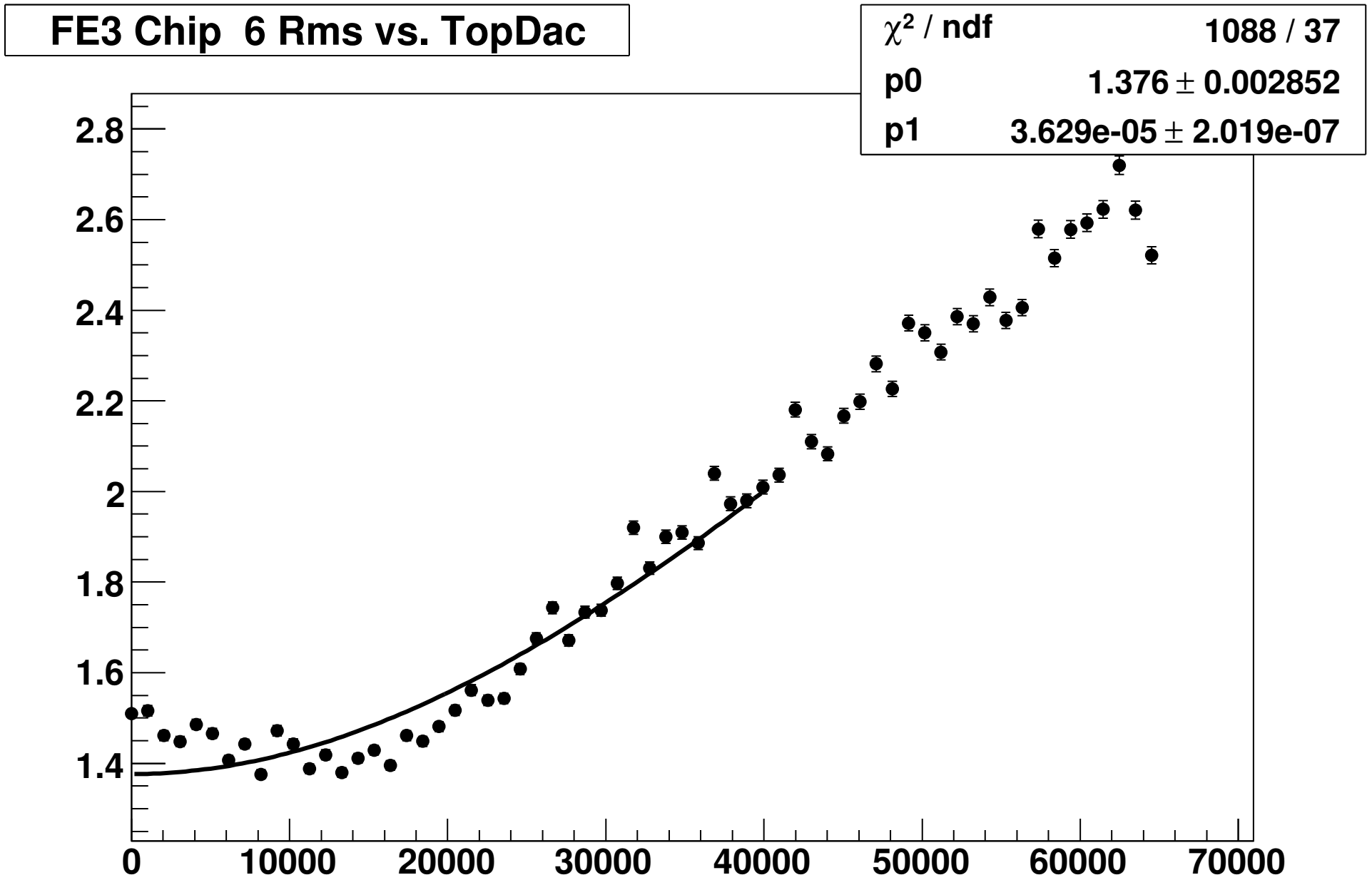
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1088 / 37
p0 1.376 ± 0.002852
p1 3.629e-05 ± 2.019e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
60000
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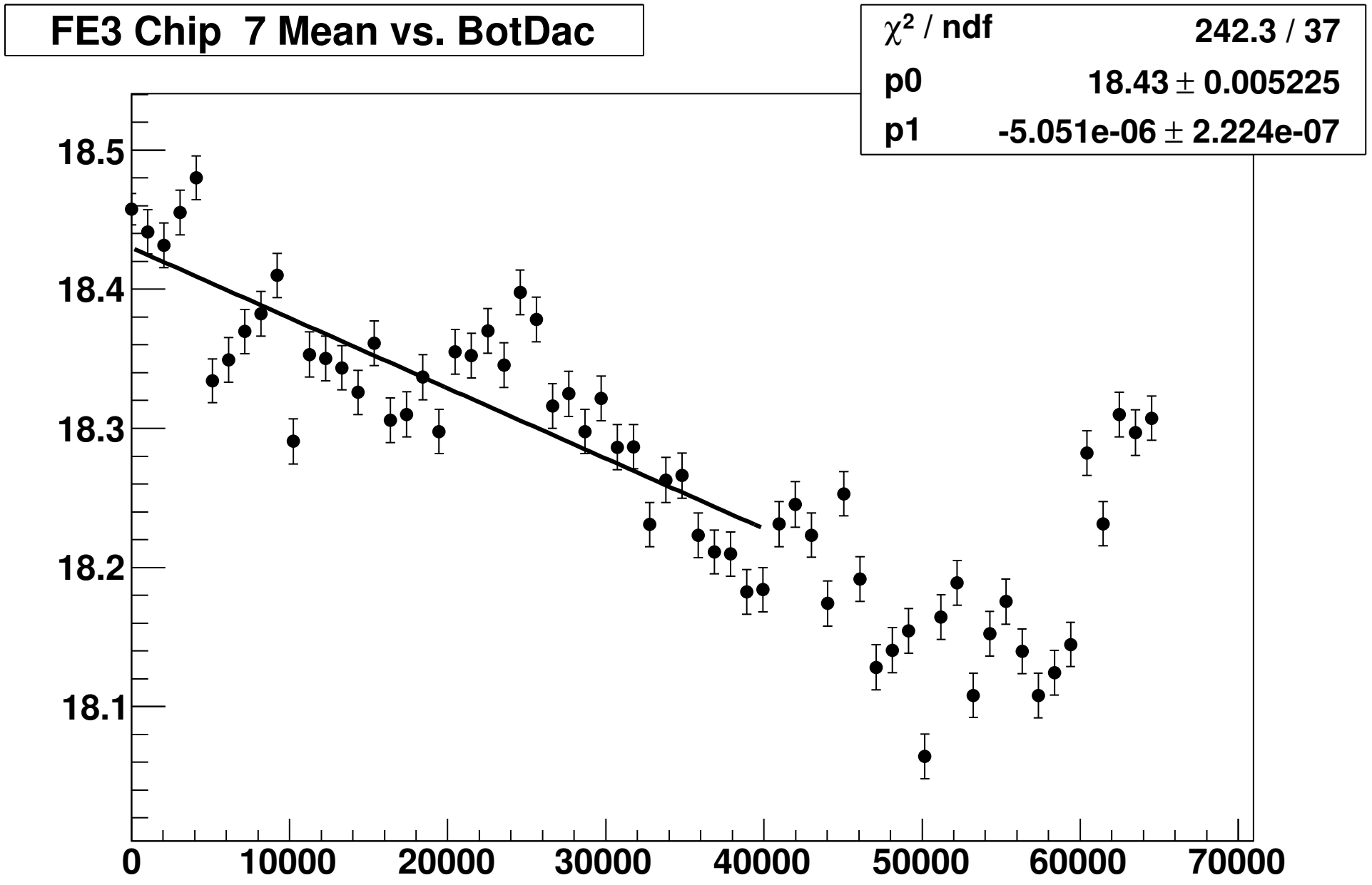
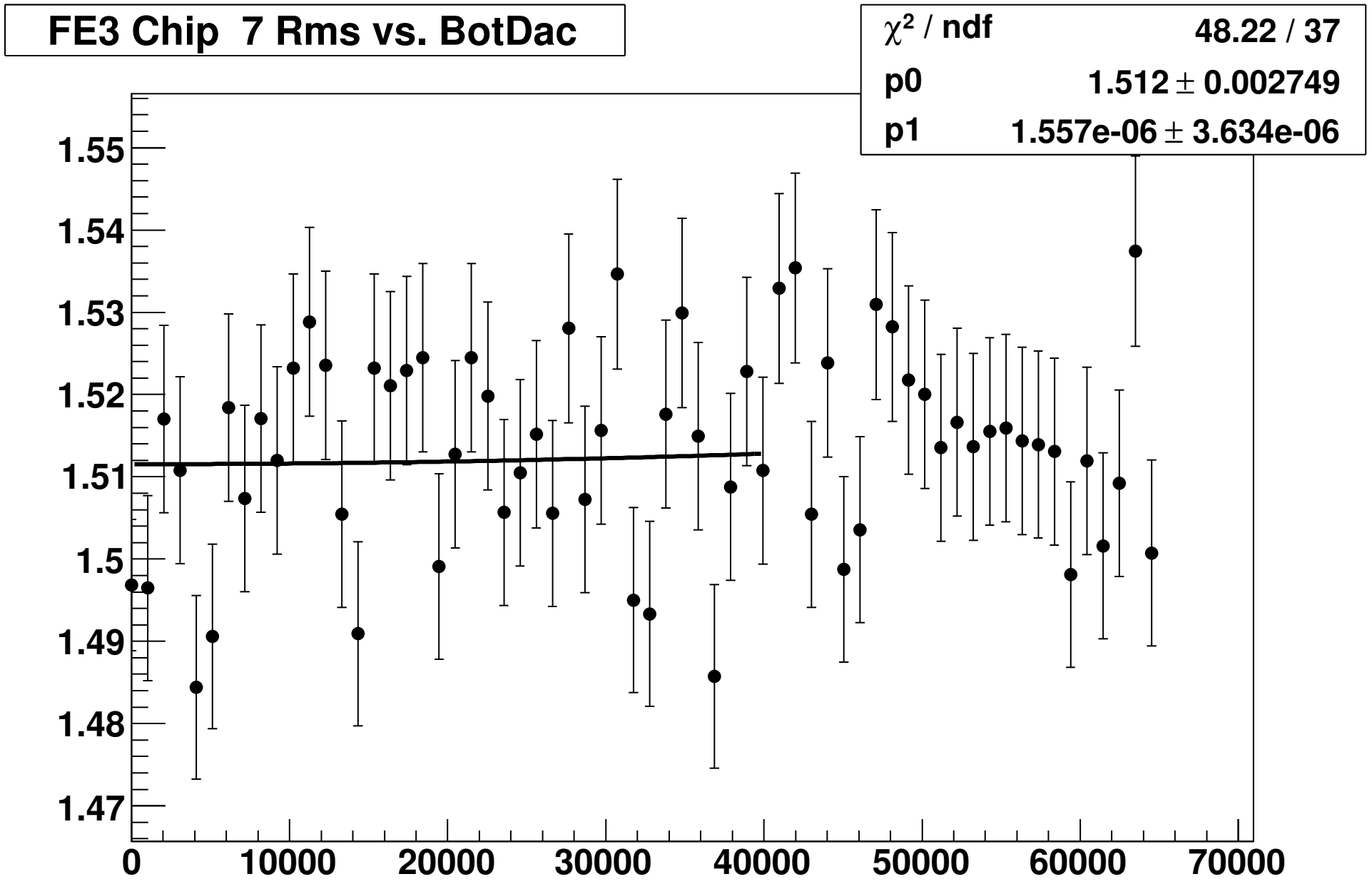
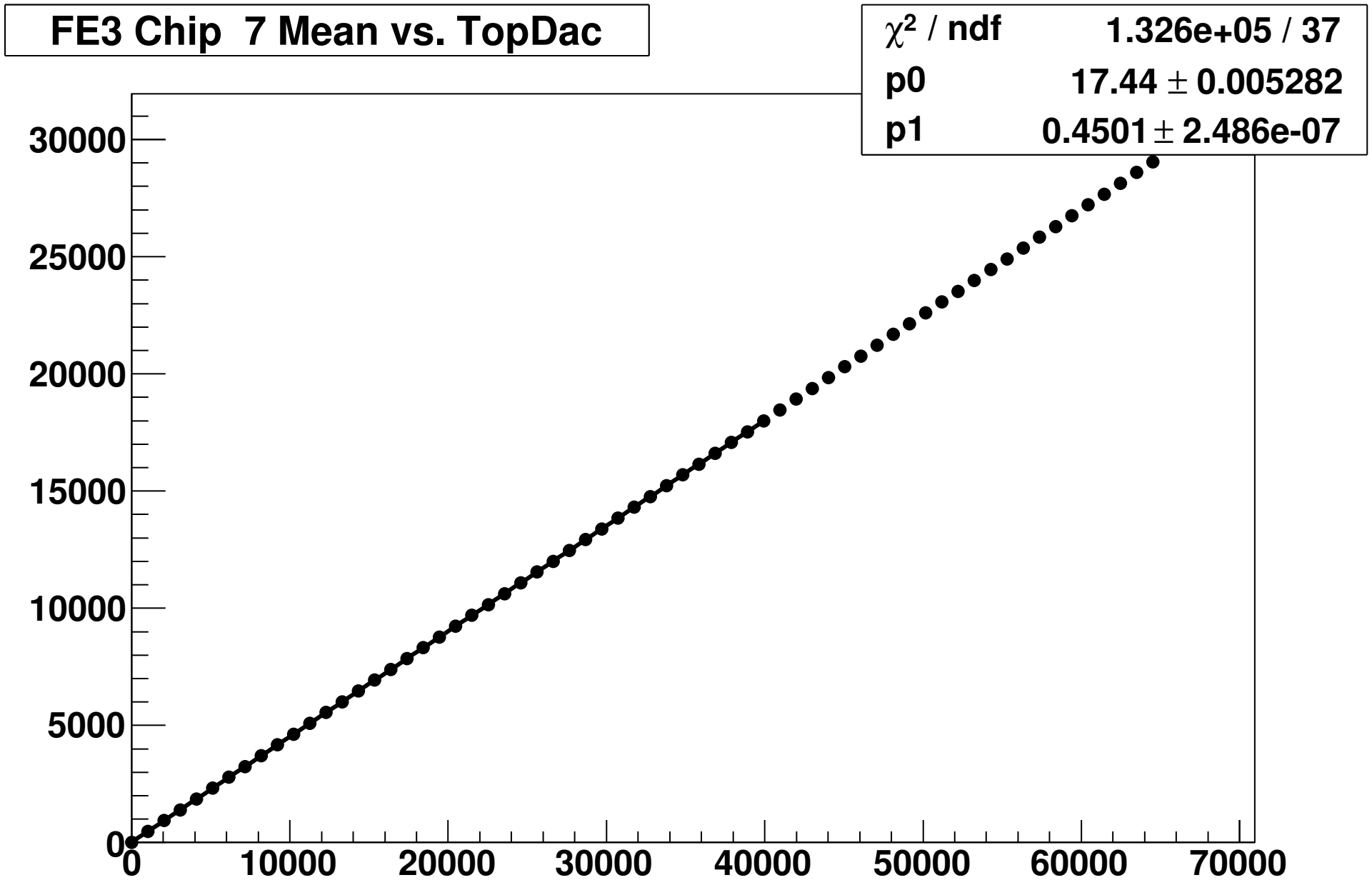
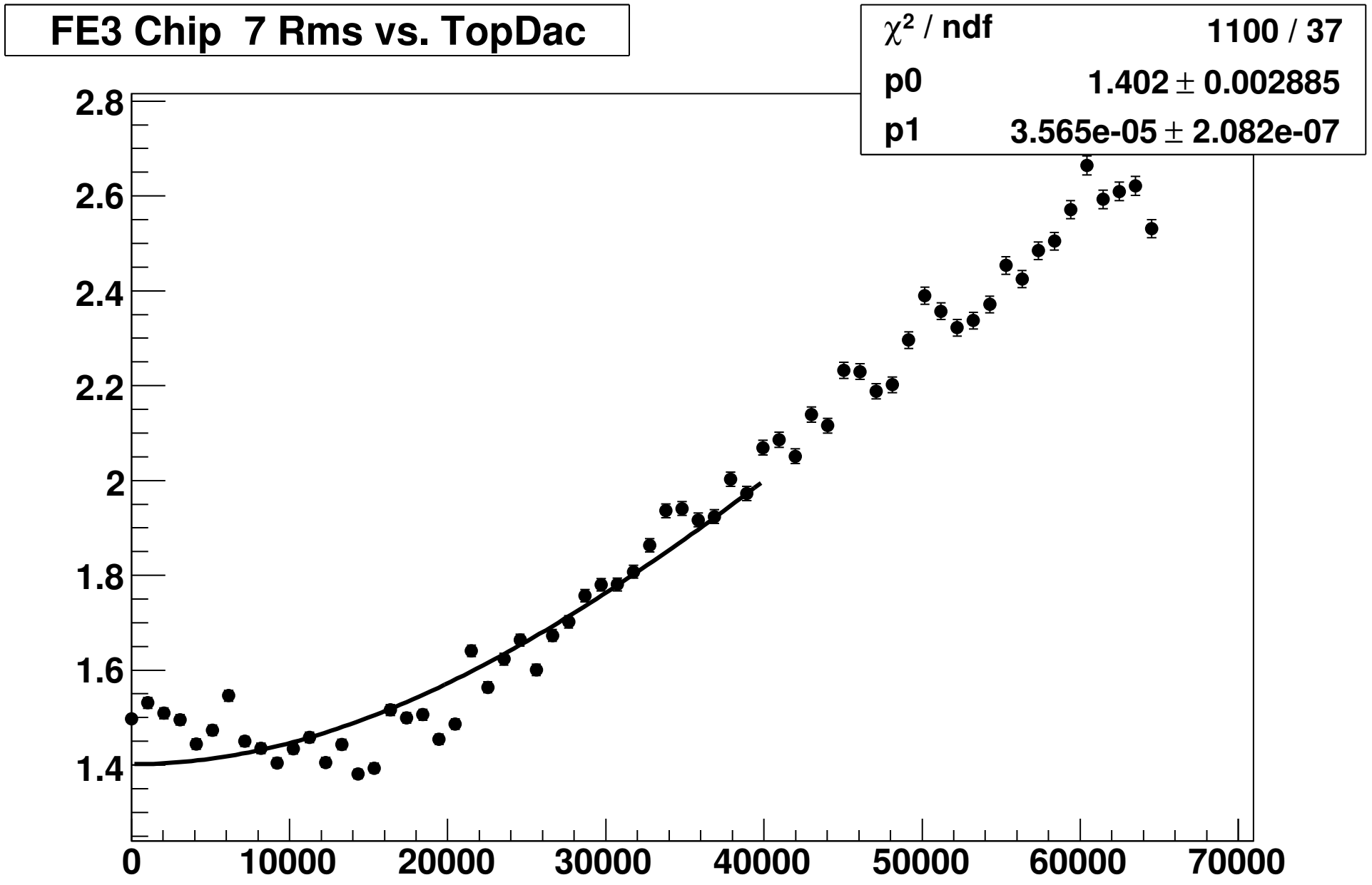
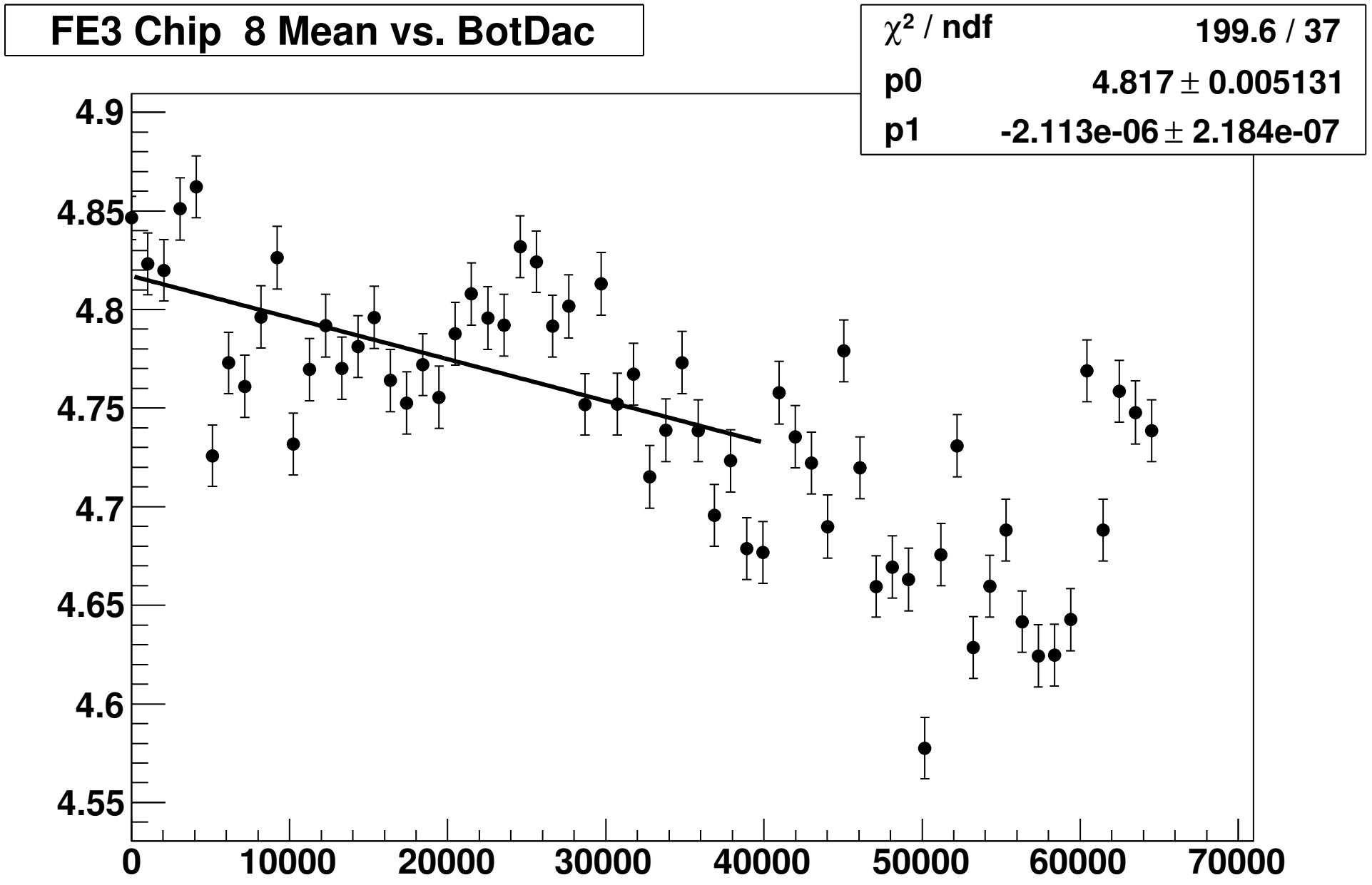
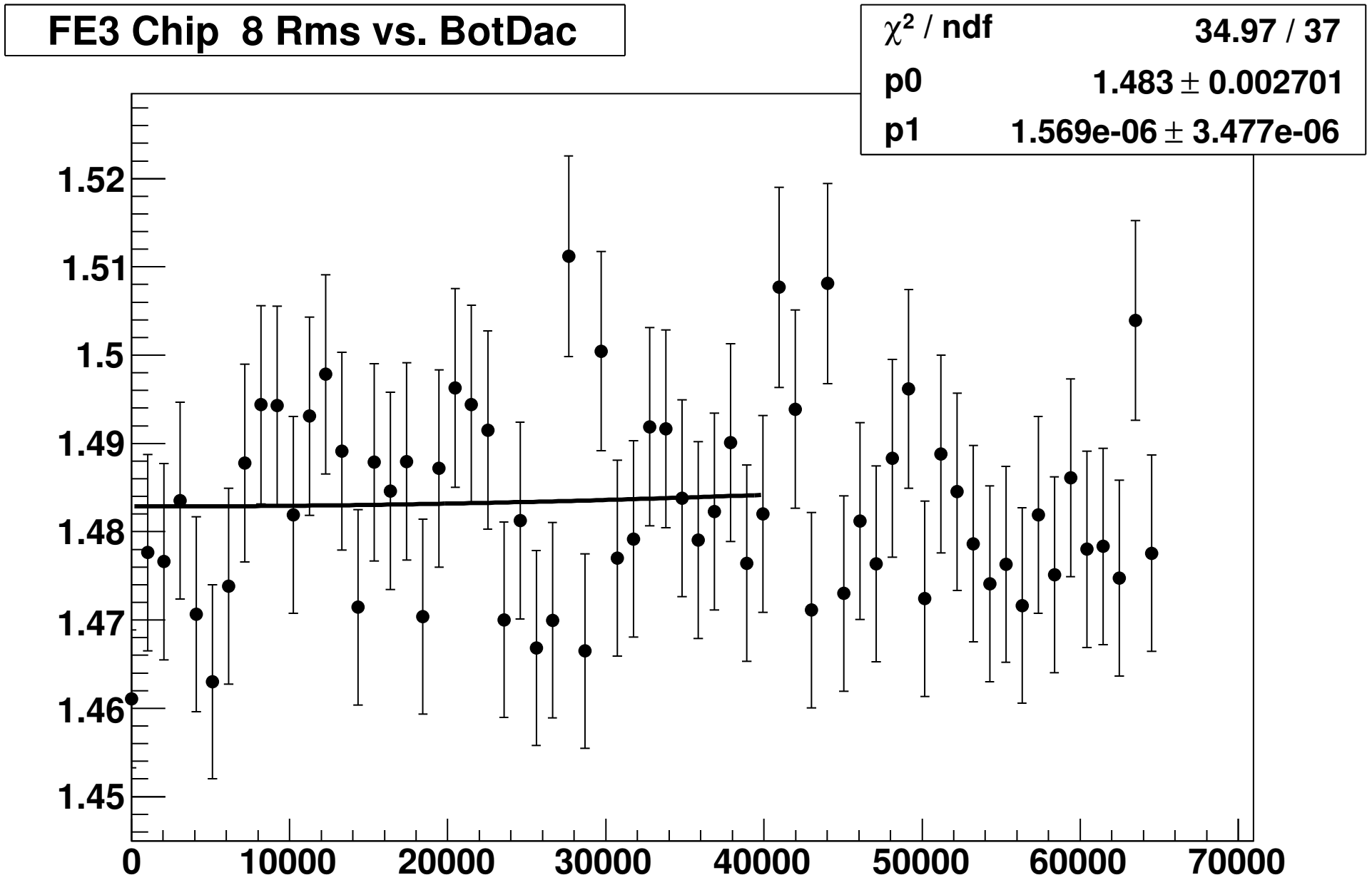

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 242.3 / 37
p0 18.43 ± 0.005225
p1 -5.051e-06 ± 2.224e-07
18.5
18.4
18.3
18.2
18.1
0
10000
20000
30000
40000
50000
60000
70000

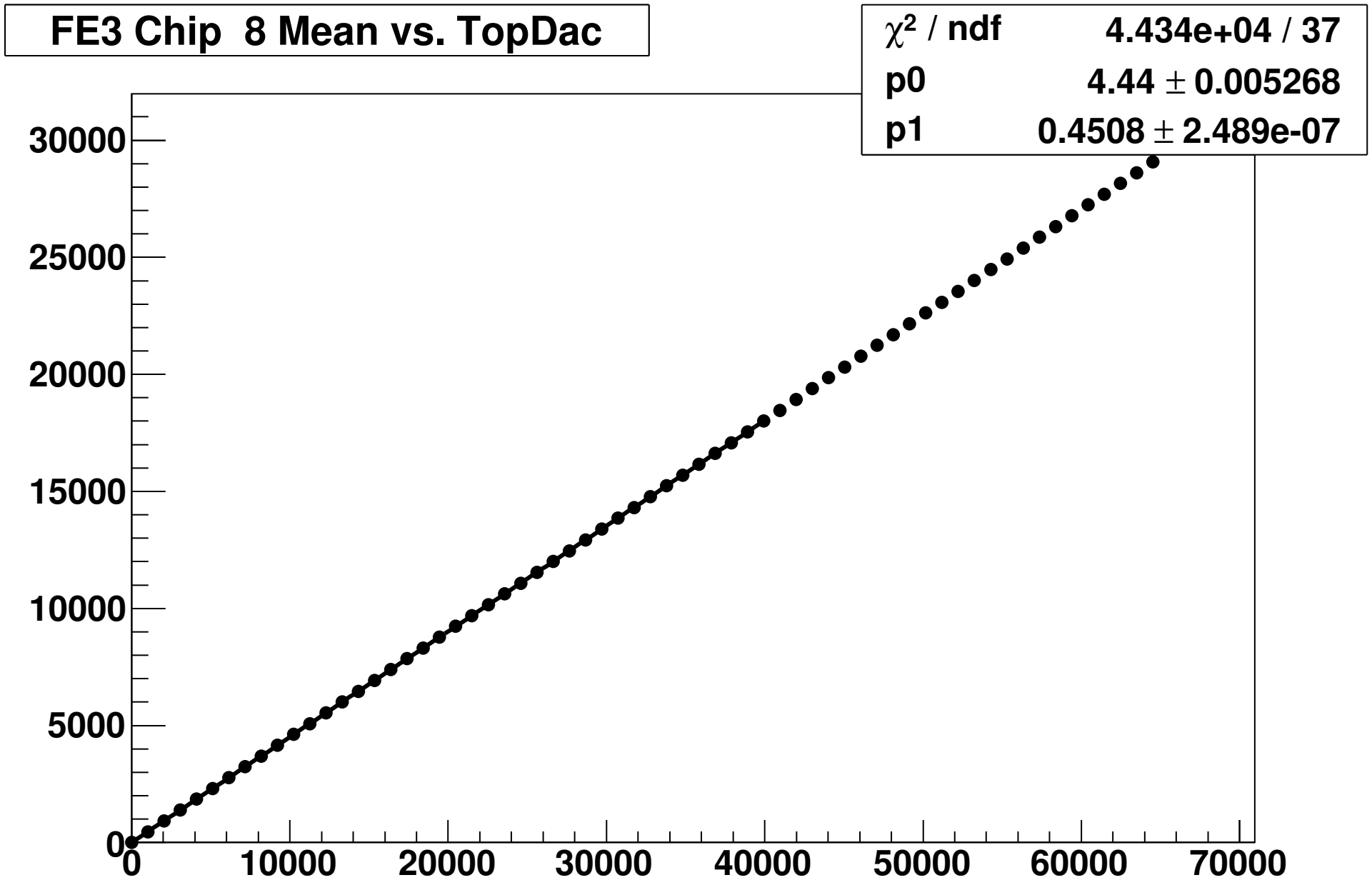

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 48.22 / 37
p0 1.512 ± 0.002749
p1 1.557e-06 ± 3.634e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

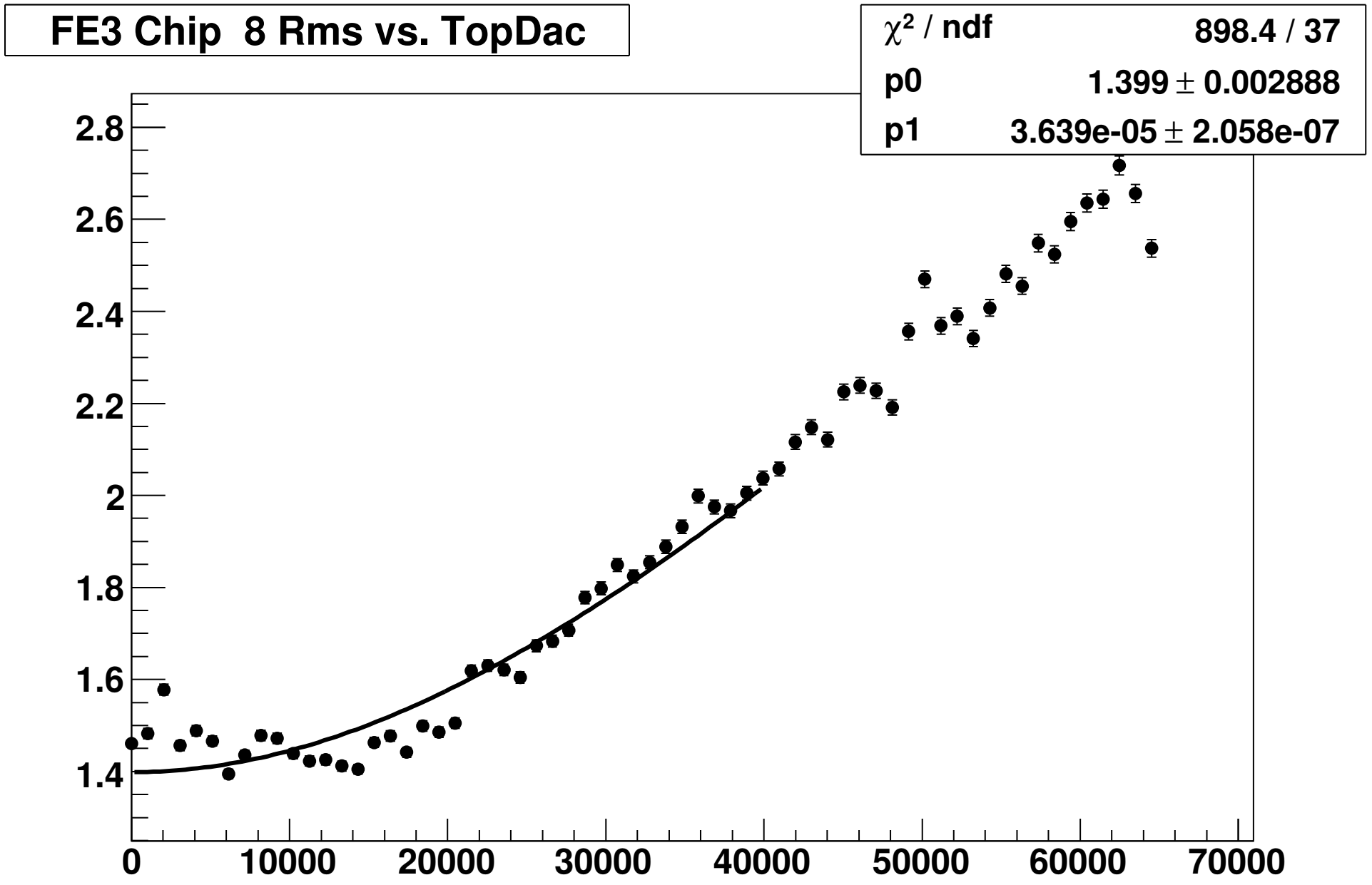

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.326e+05 / 37
p0 17.44 ± 0.005282
p1 0.4501 ± 2.486e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

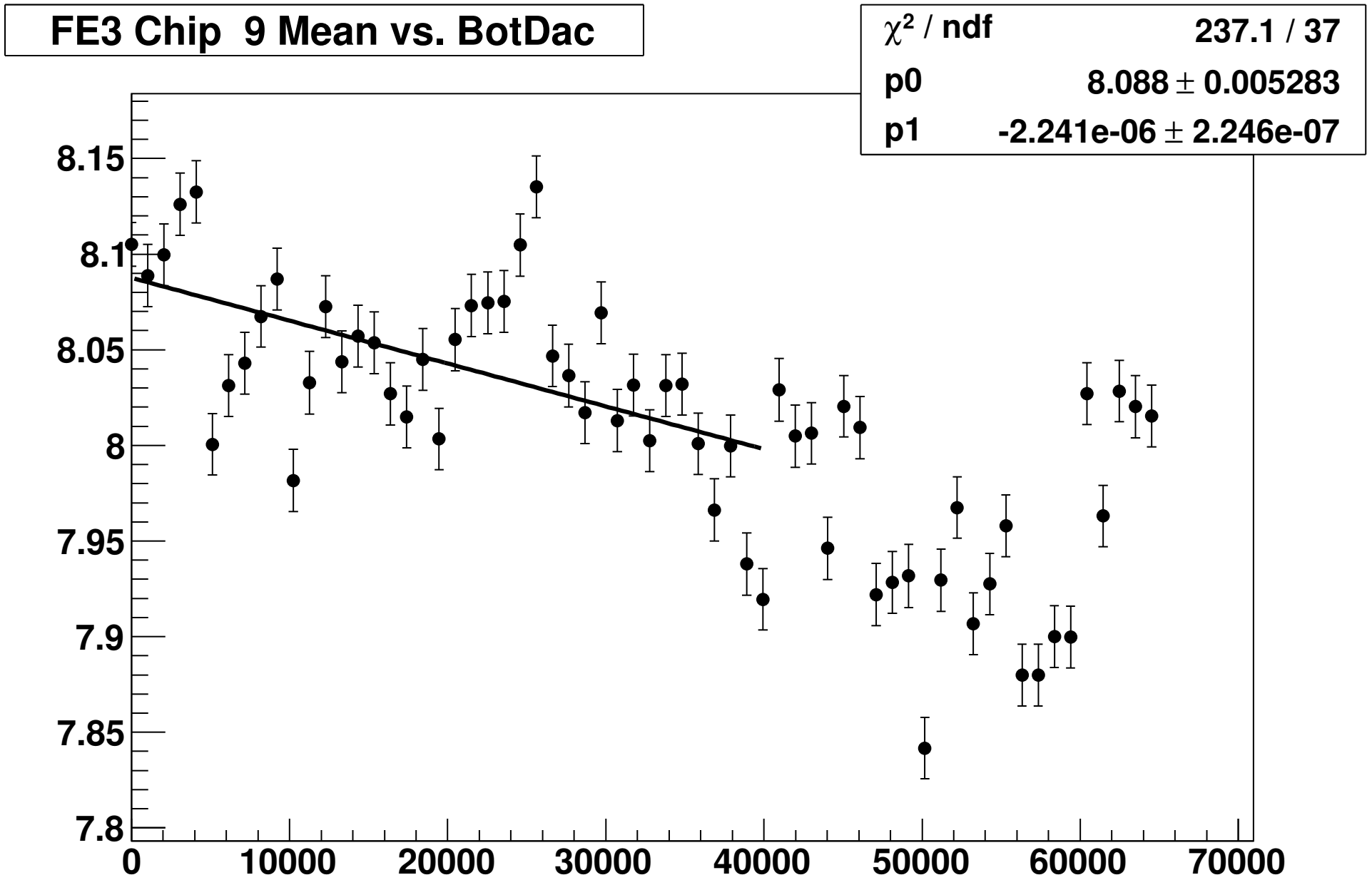

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1100 / 37
p0 1.402 ± 0.002885
p1 3.565e-05 ± 2.082e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

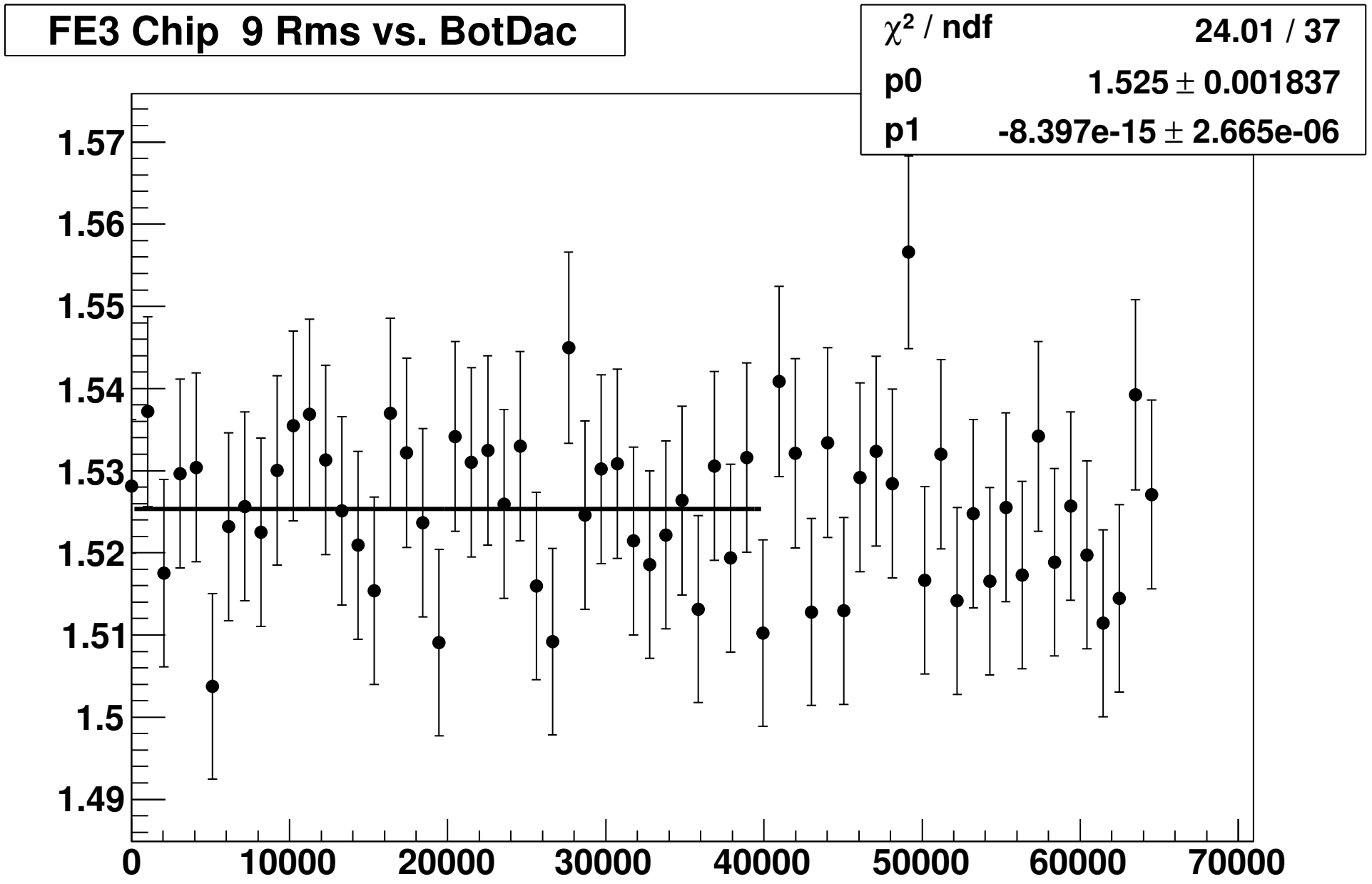

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 199.6 / 37
p0 4.817 ± 0.005131
p1 -2.113e-06 ± 2.184e-07
4.9
4.85
4.8
4.75
4.7
4.65
4.6
4.55
0
10000
20000
30000
40000
50000
60000
70000

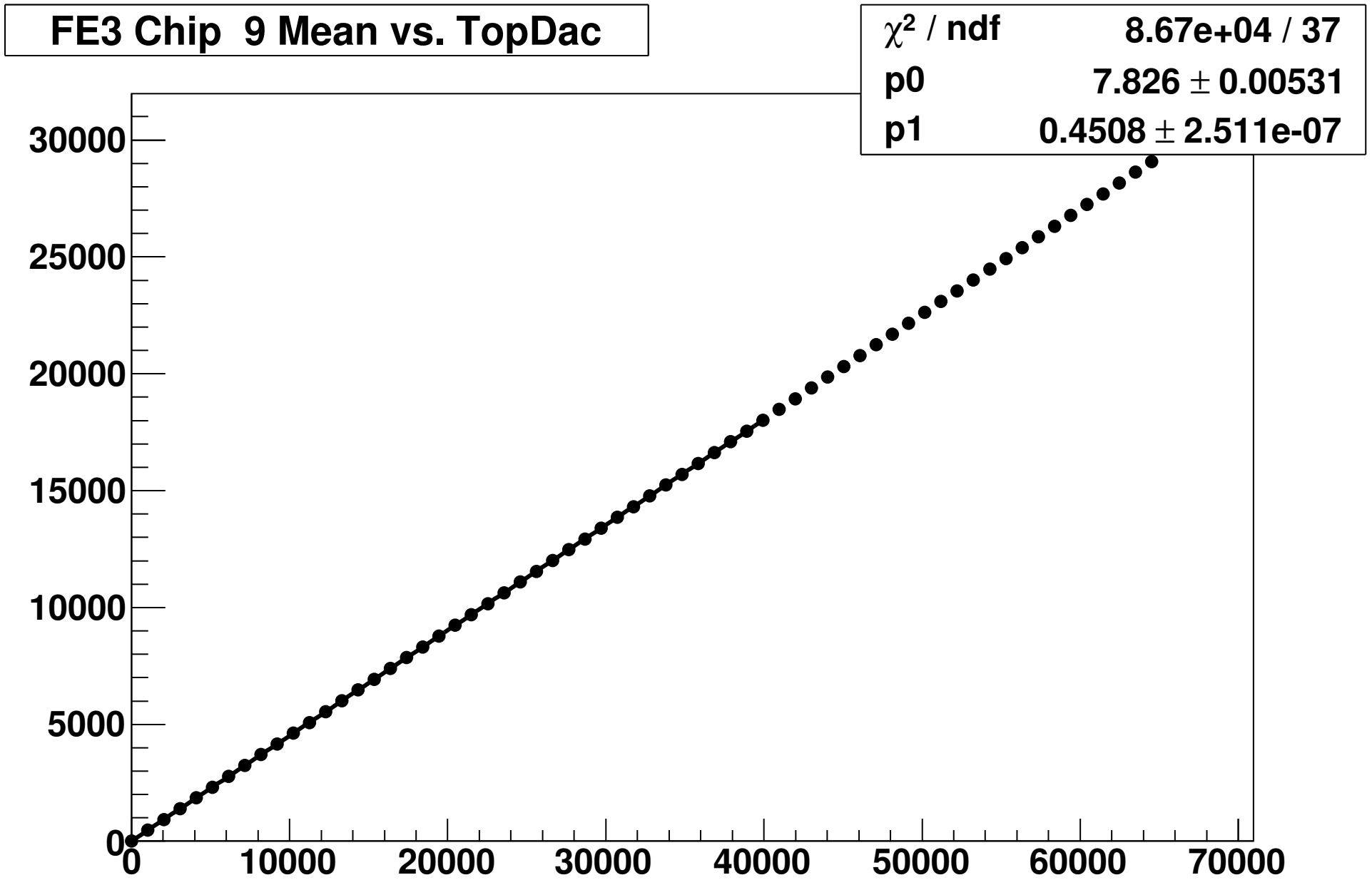

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 34.97 / 37
p0 1.483 ± 0.002701
p1 1.569e-06 ± 3.477e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

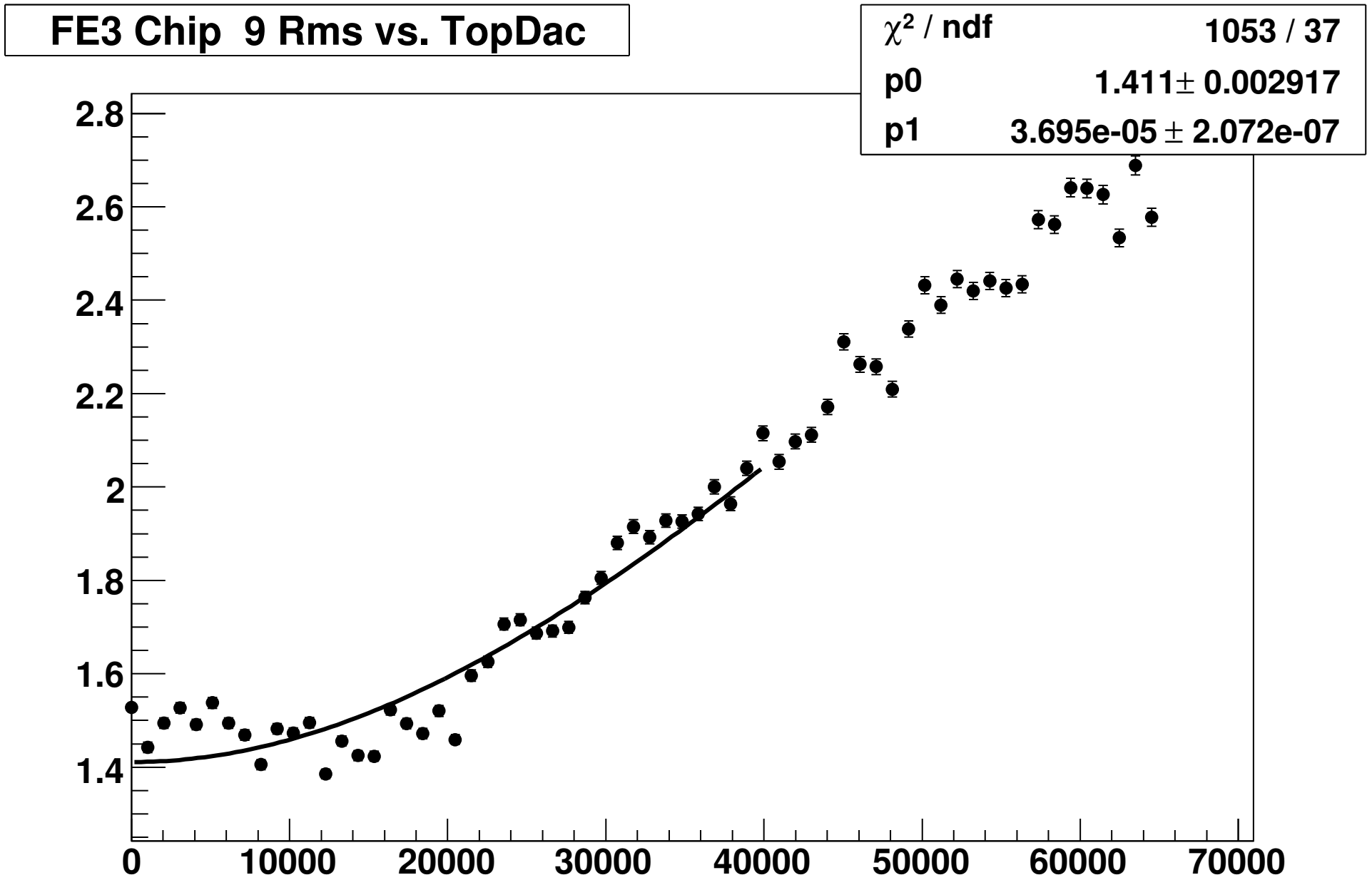

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 4.434e+04 / 37
p0 4.44 ± 0.005268
p1 0.4508 ± 2.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 898.4 / 37
p0 1.399 ± 0.002888
p1 3.639e-05 ± 2.058e-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 237.1 / 37
p0 8.088 ± 0.005283
p1 -2.241e-06 ± 2.246e-07
8.15
8.1
8.05
8
7.95
7.9
7.85
7.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 24.01 / 37
p0 1.525 ± 0.001837
p1 -8.397e-15 ± 2.665e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 8.67e+04 / 37
p0 7.826 ± 0.00531
p1 0.4508 ± 2.511e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1053 / 37
p0 1.411 ± 0.002917
p1 3.695e-05 ± 2.072e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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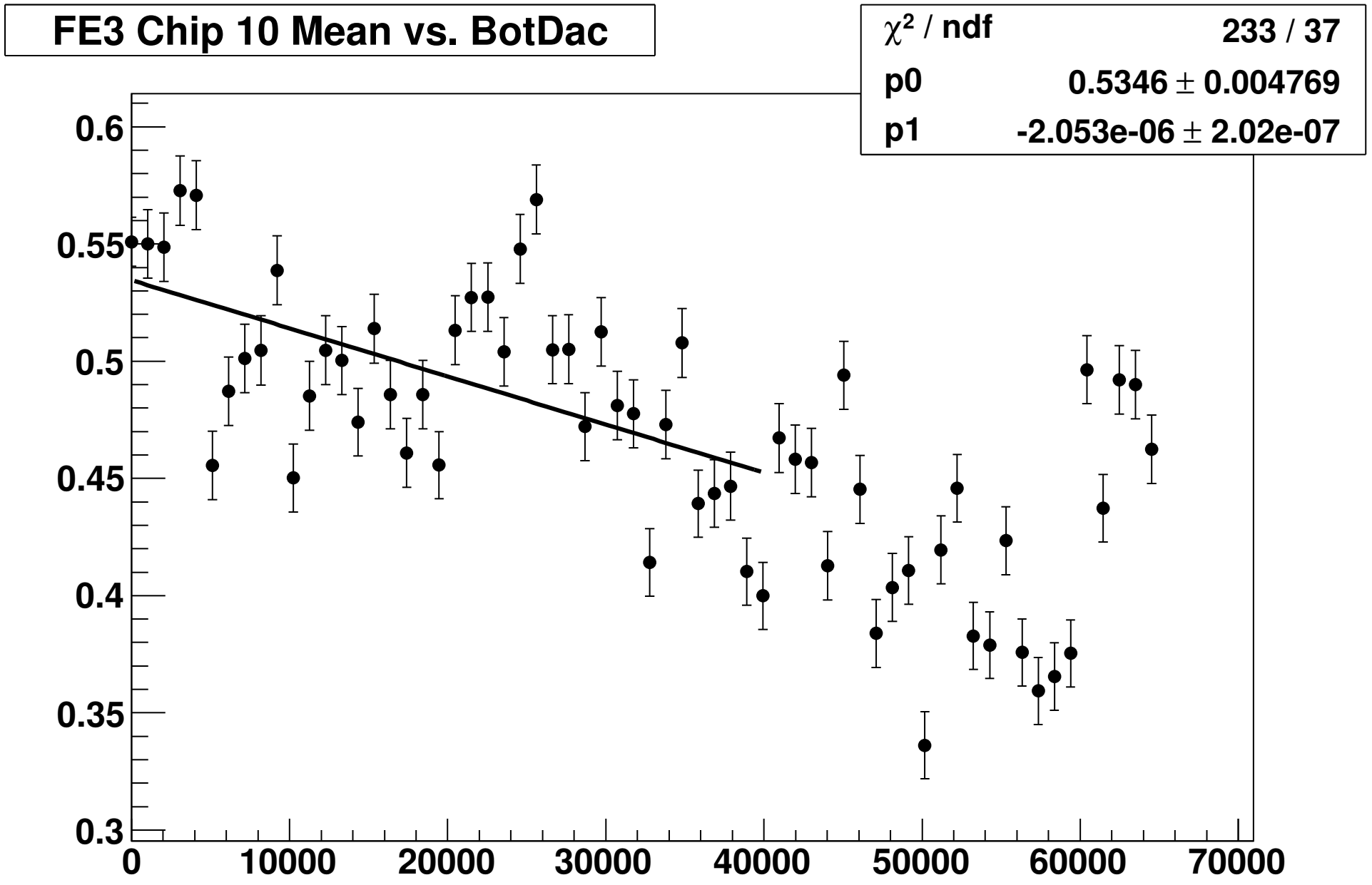
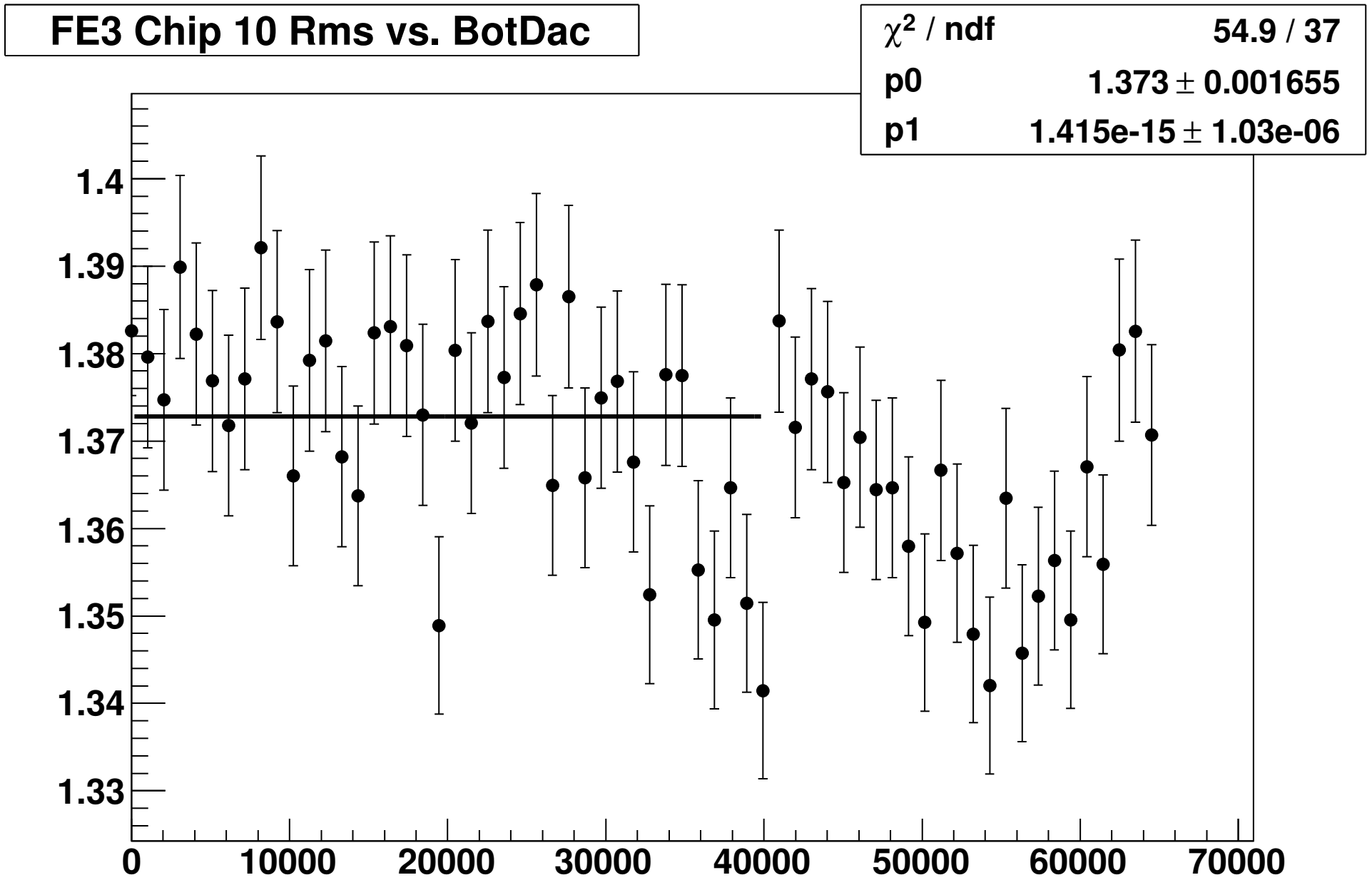
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 233 / 37
p0 0.5346 ± 0.004769
p1 -2.053e-06 ± 2.02e-07
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 54.9 / 37
p0 1.373 ± 0.001655
p1 1.415e-15 ± 1.03e-06
1.4
1.39
1.38
1.37
1.36
1.35
1.34
1.33
0
10000
20000
30000
40000
50000
60000
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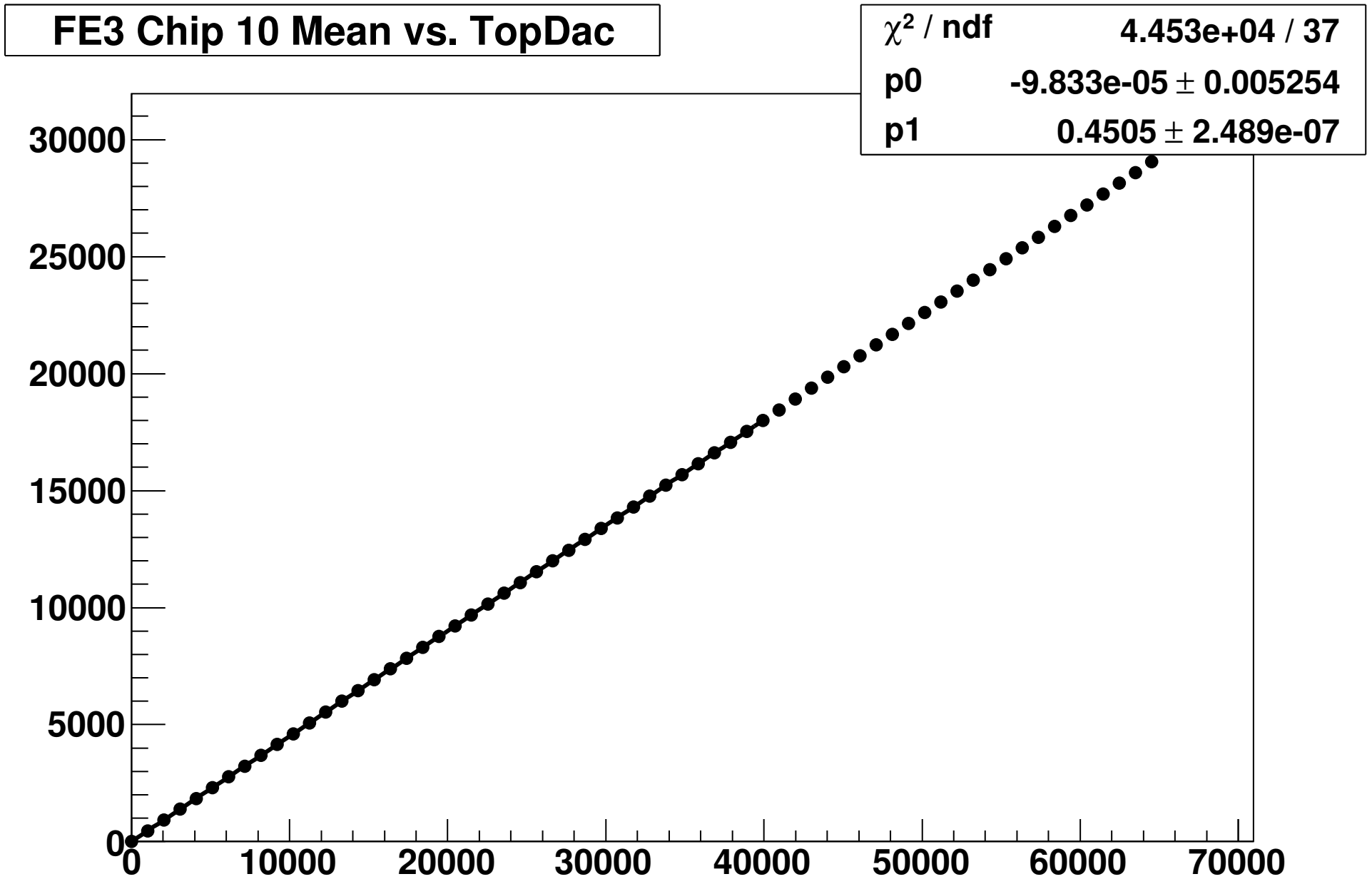
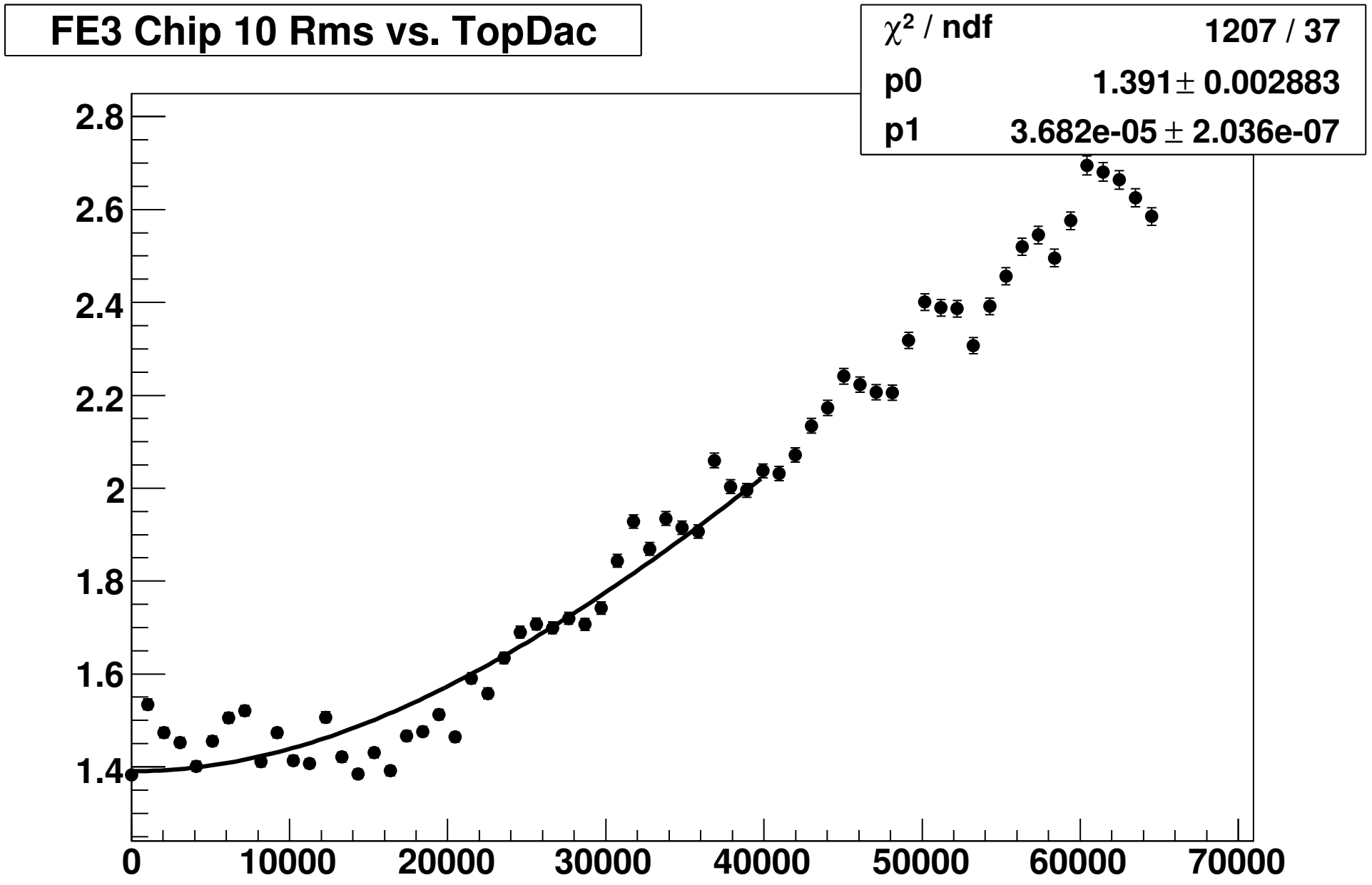
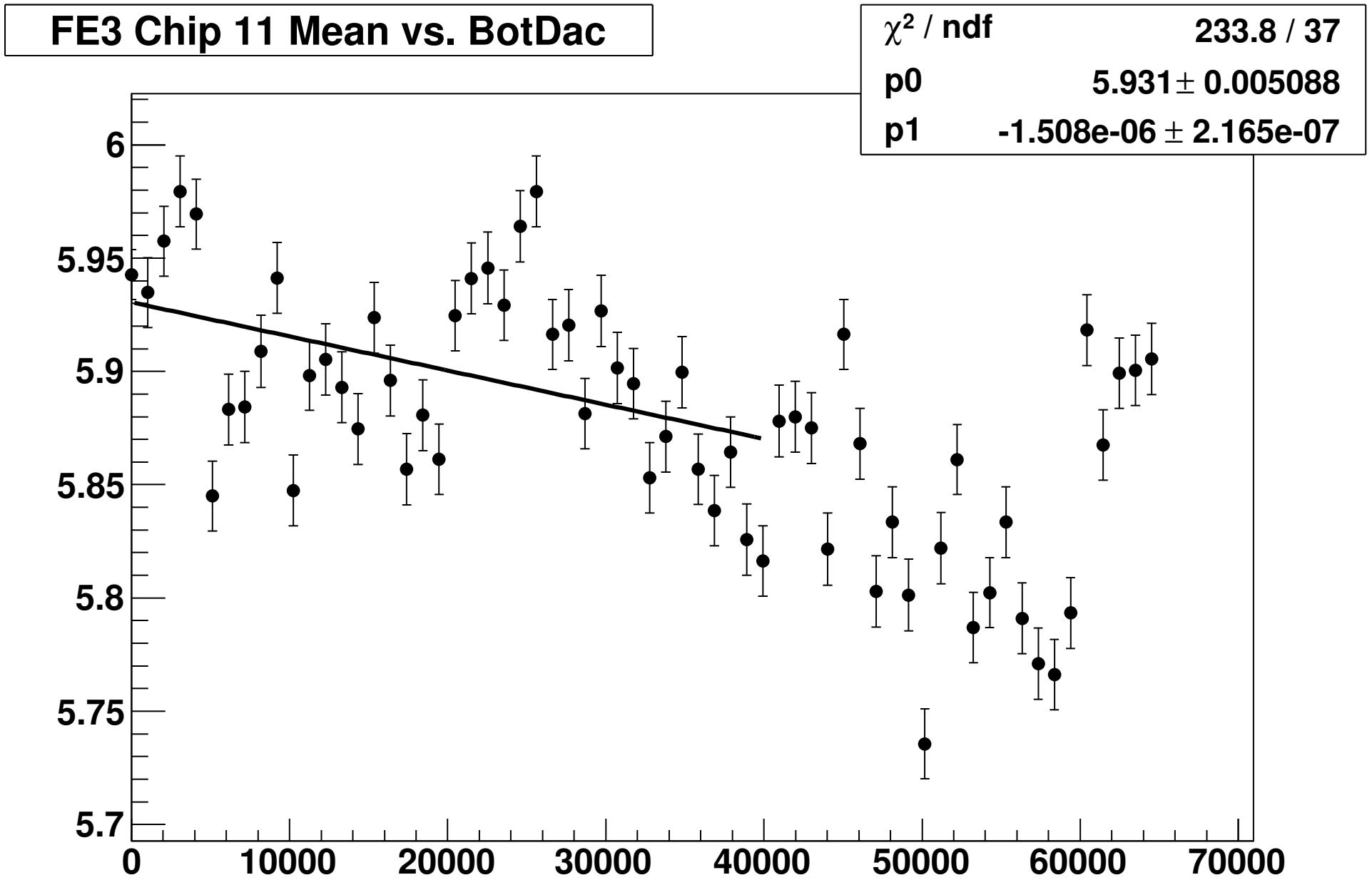
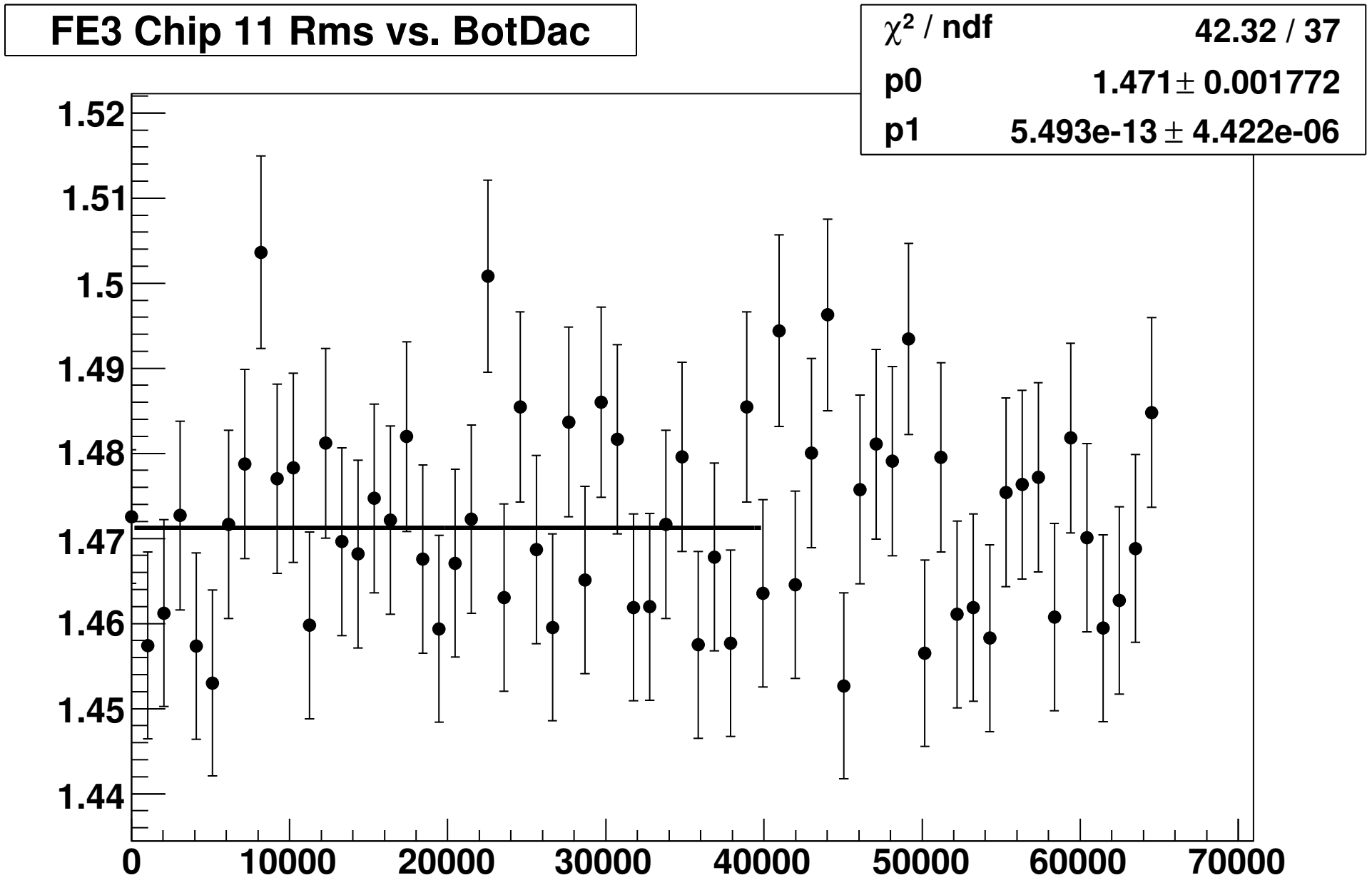
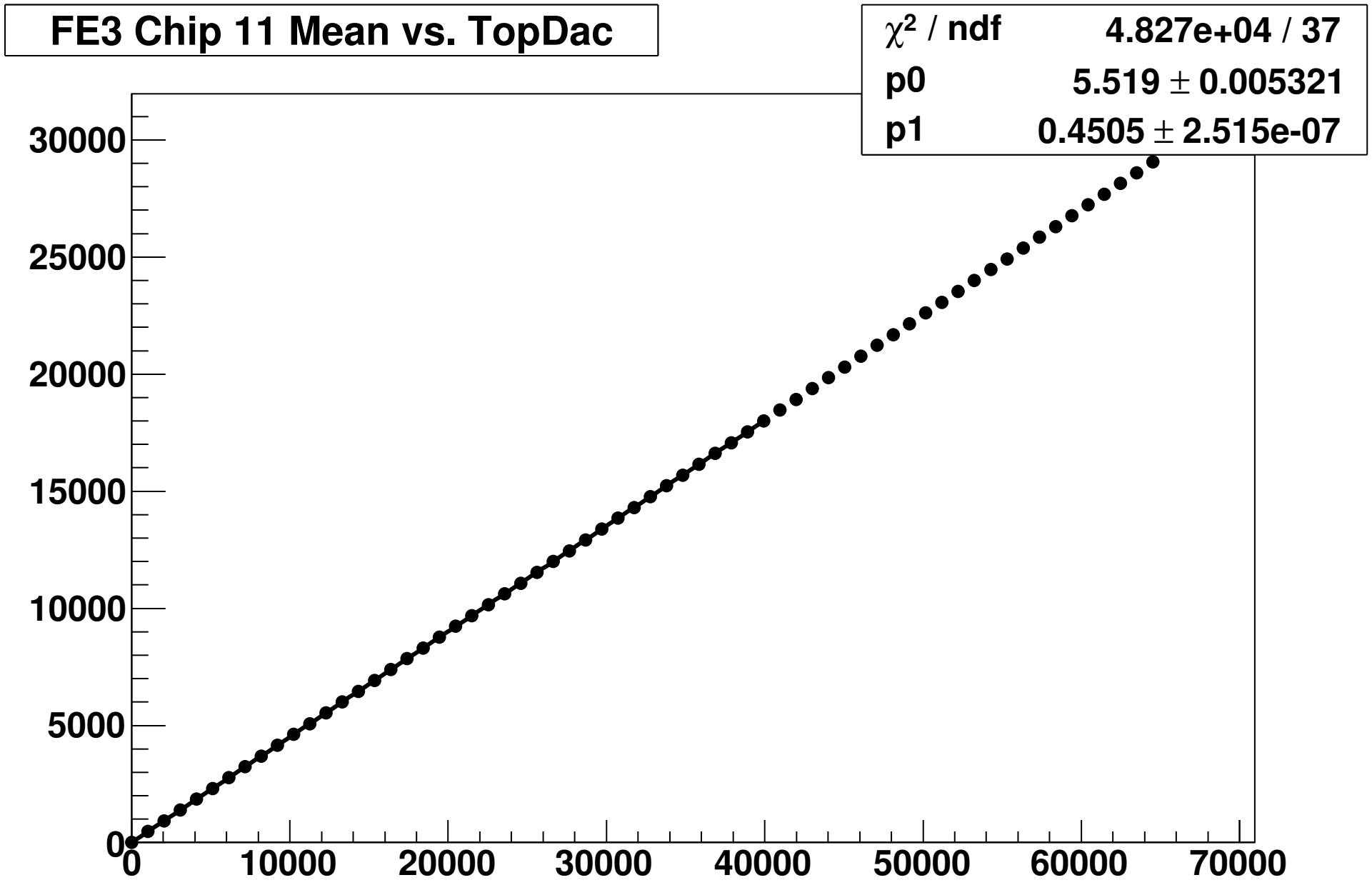
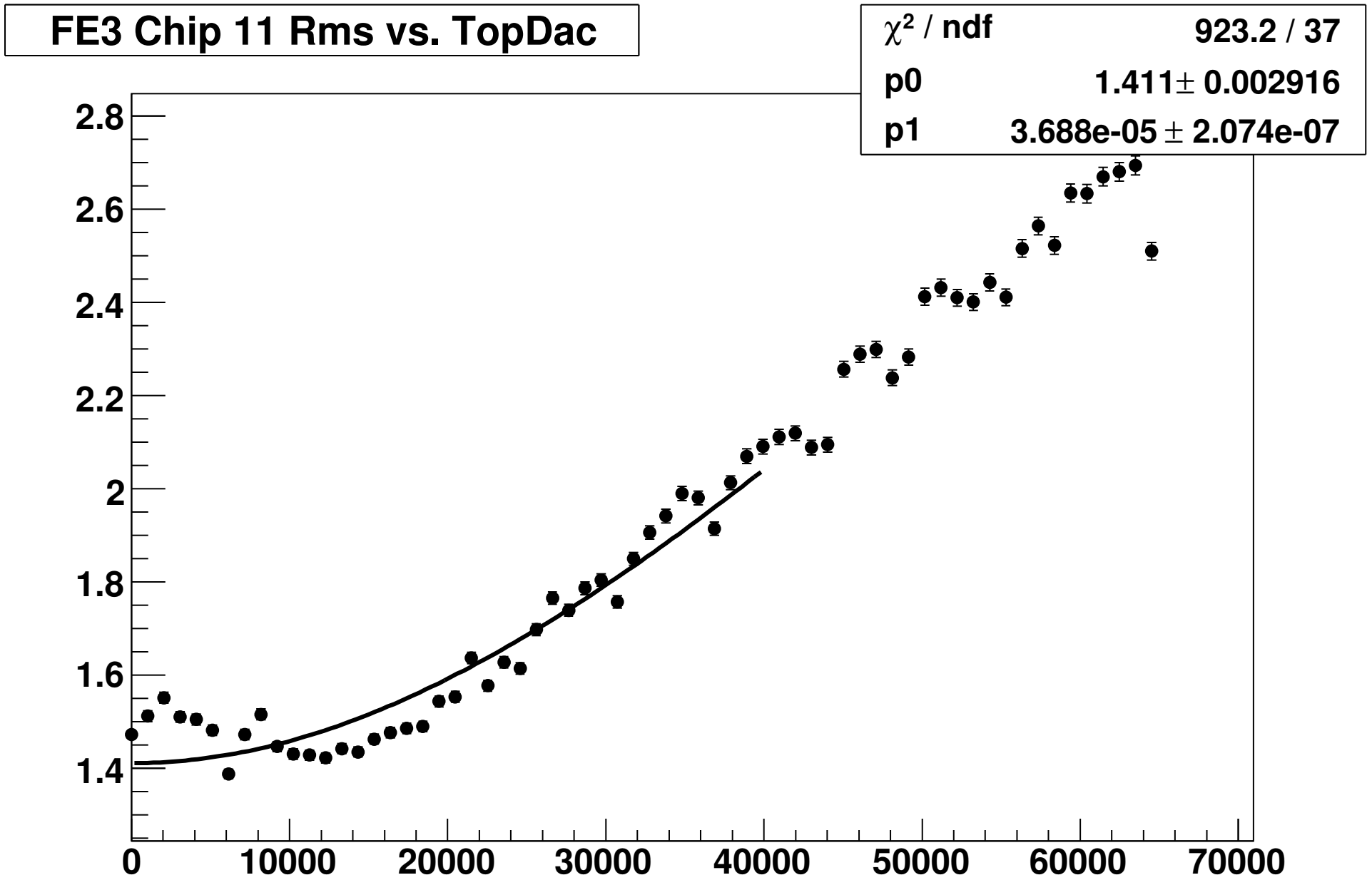

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 4.453e+04 / 37
p0 -9.833e-05 ± 0.005254
p1 0.4505 ± 2.489e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

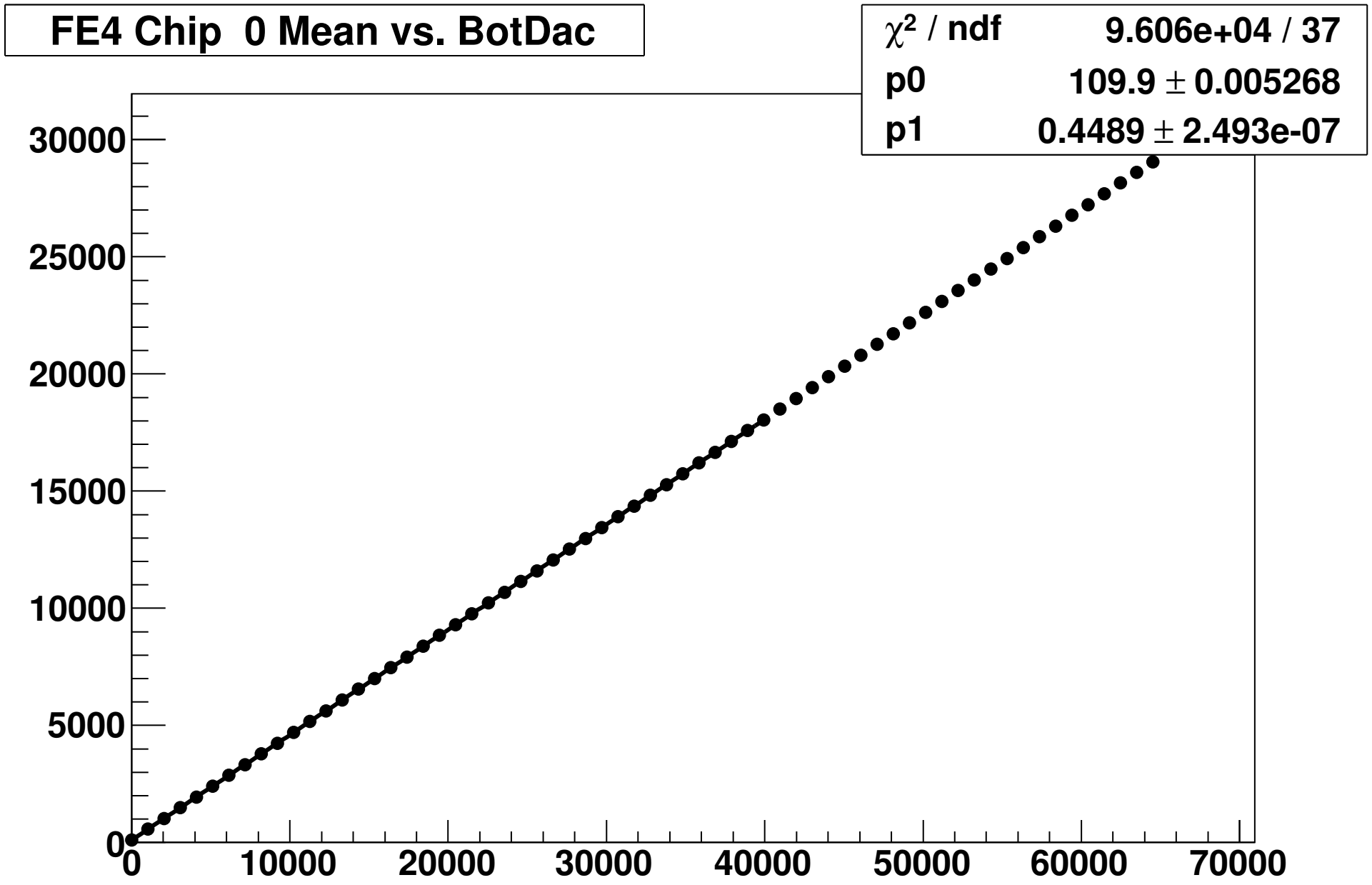

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1207 / 37
p0 1.391 ± 0.002883
p1 3.682e-05 ± 2.036e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

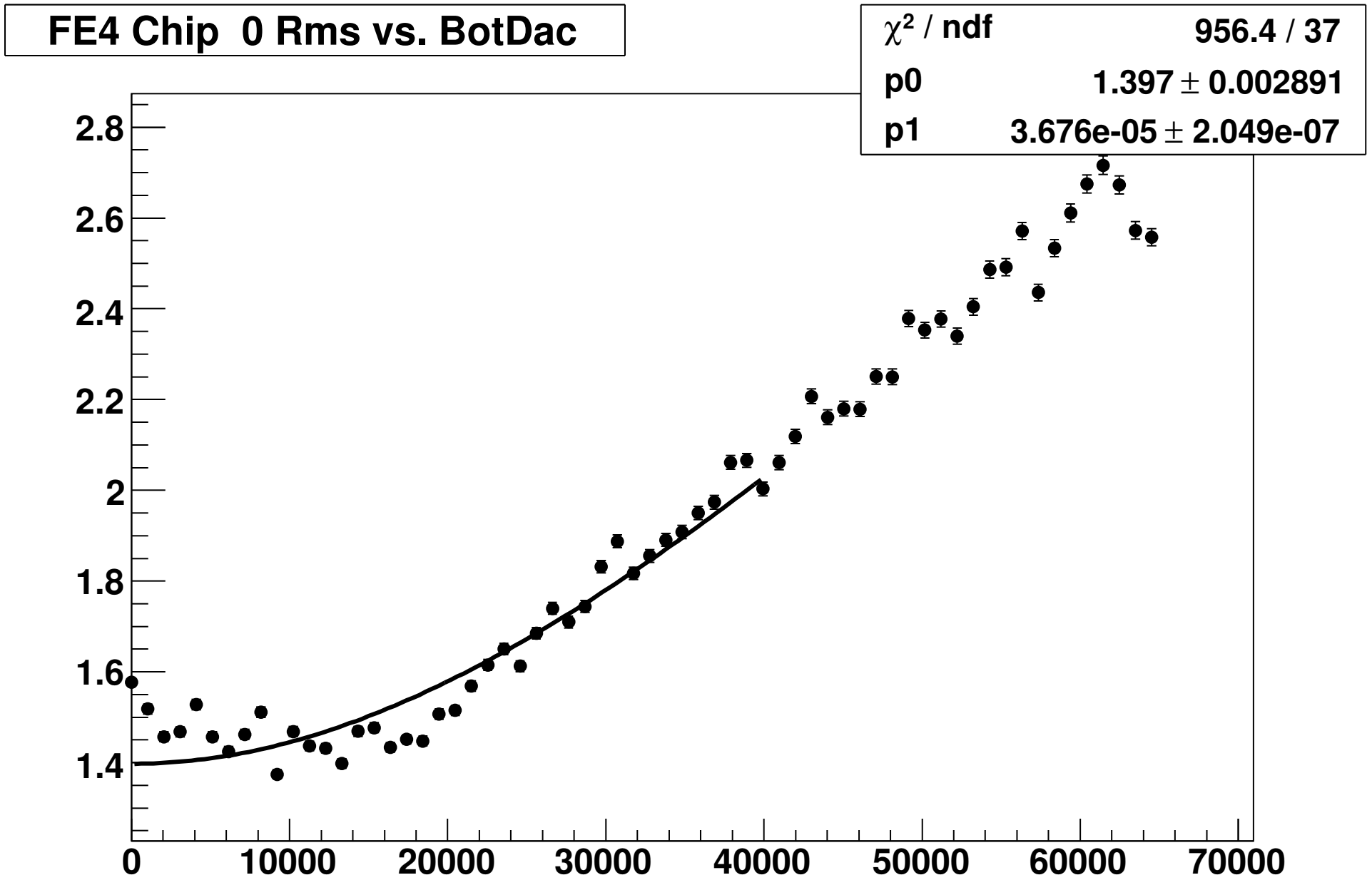

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 233.8 / 37
p0 5.931 ± 0.005088
p1 -1.508e-06 ± 2.165e-07
6
5.95
5.9
5.85
5.8
5.75
5.7
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 42.32 / 37
p0 1.471 ± 0.001772
p1 5.493e-13 ± 4.422e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 4.827e+04 / 37
p0 5.519 ± 0.005321
p1 0.4505 ± 2.515e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 923.2 / 37
p0 1.411± 0.002916
p1 3.688e-05 ± 2.074e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 9.606e+04 / 37
p0 109.9 ± 0.005268
p1 0.4489 ± 2.493e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 956.4 / 37
p0 1.397 ± 0.002891
p1 3.676e-05 ± 2.049e-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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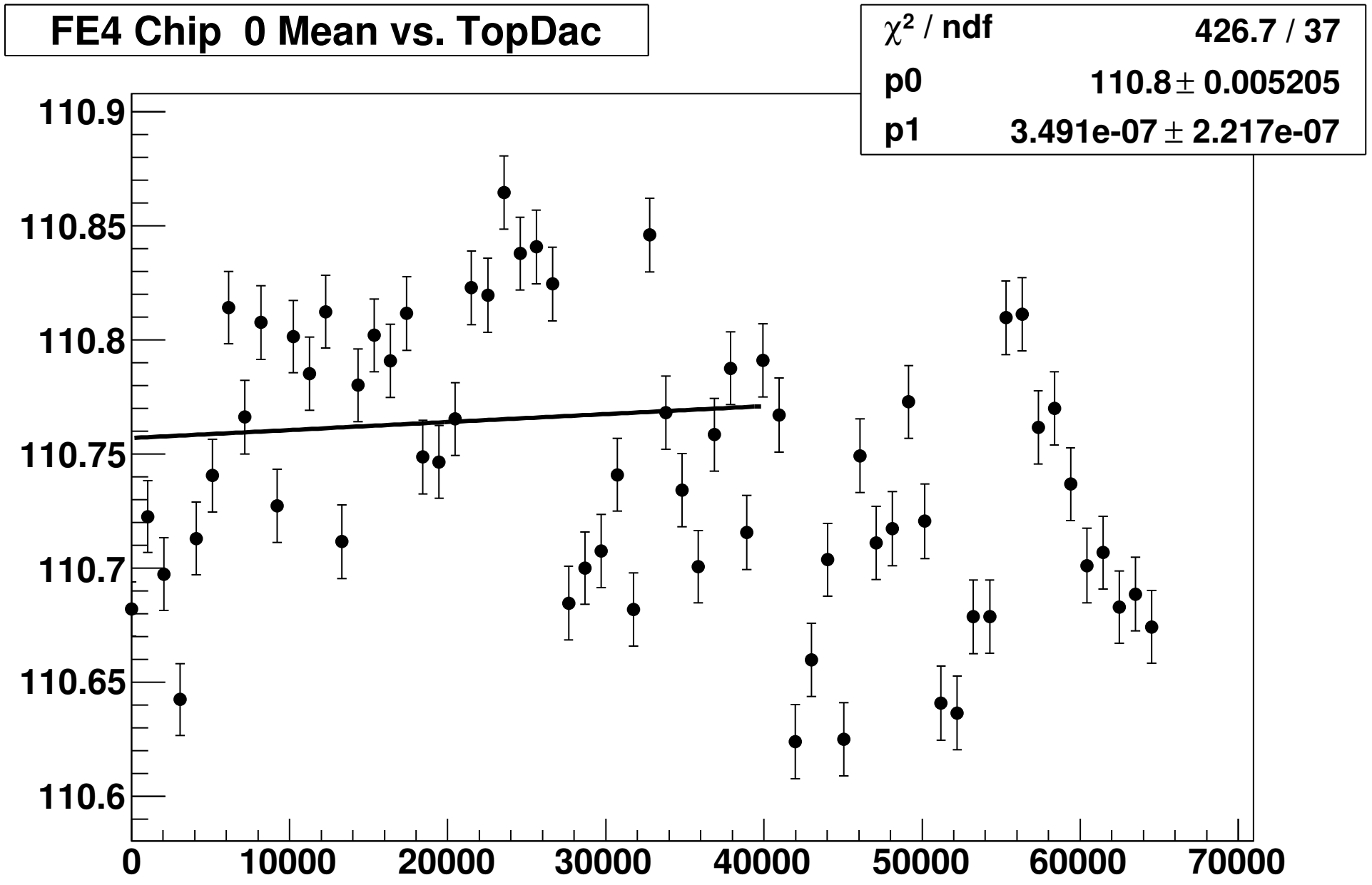
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 426.7 / 37
p0 110.8 ± 0.005205
p1 3.491e-07 ± 2.217e-07
110.9
110.85
110.8
110.75
110.7
110.65
110.6
0
10000
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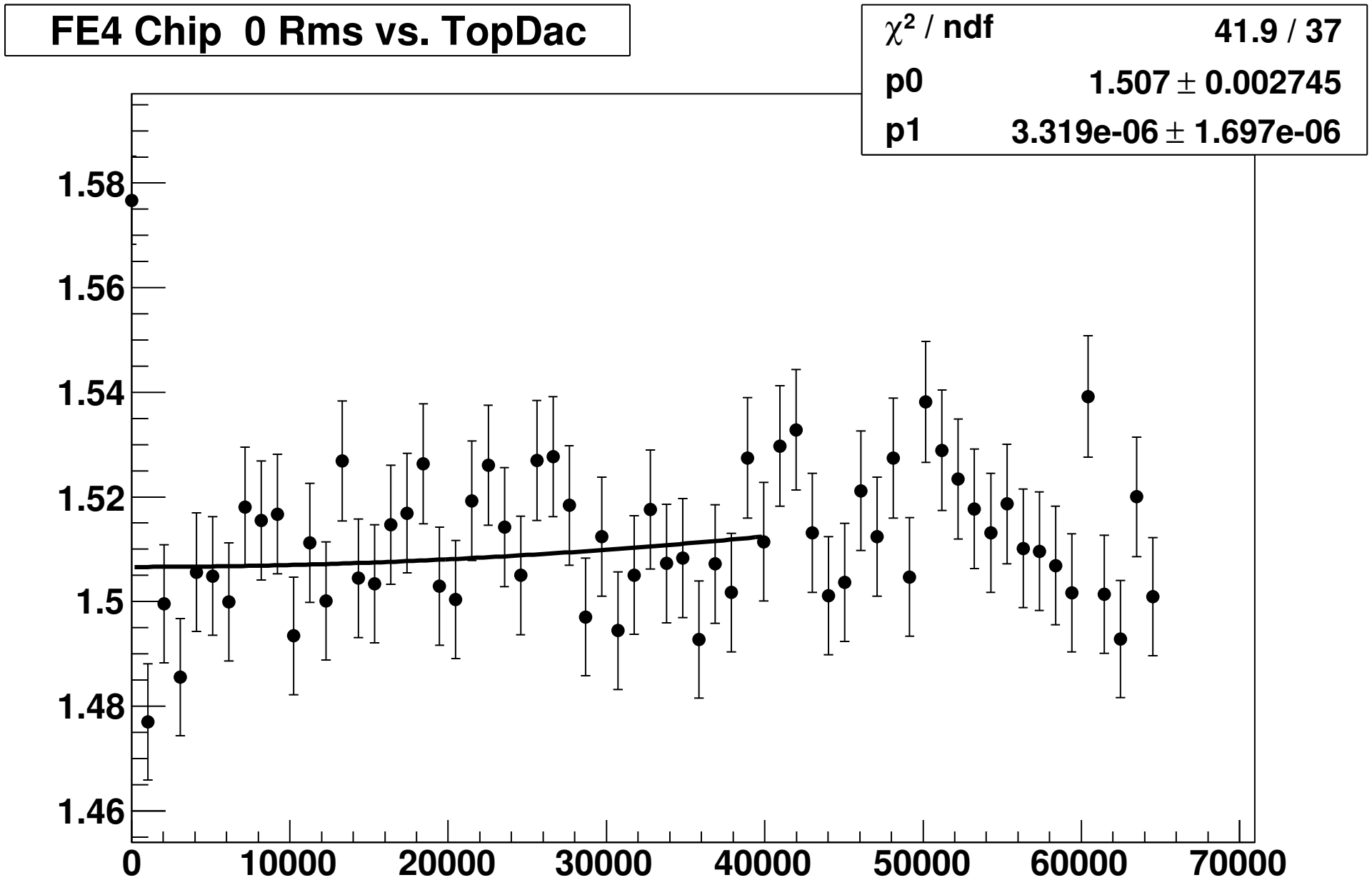
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 41.9 / 37
p0 1.507 ± 0.002745
p1 3.319e-06 ± 1.697e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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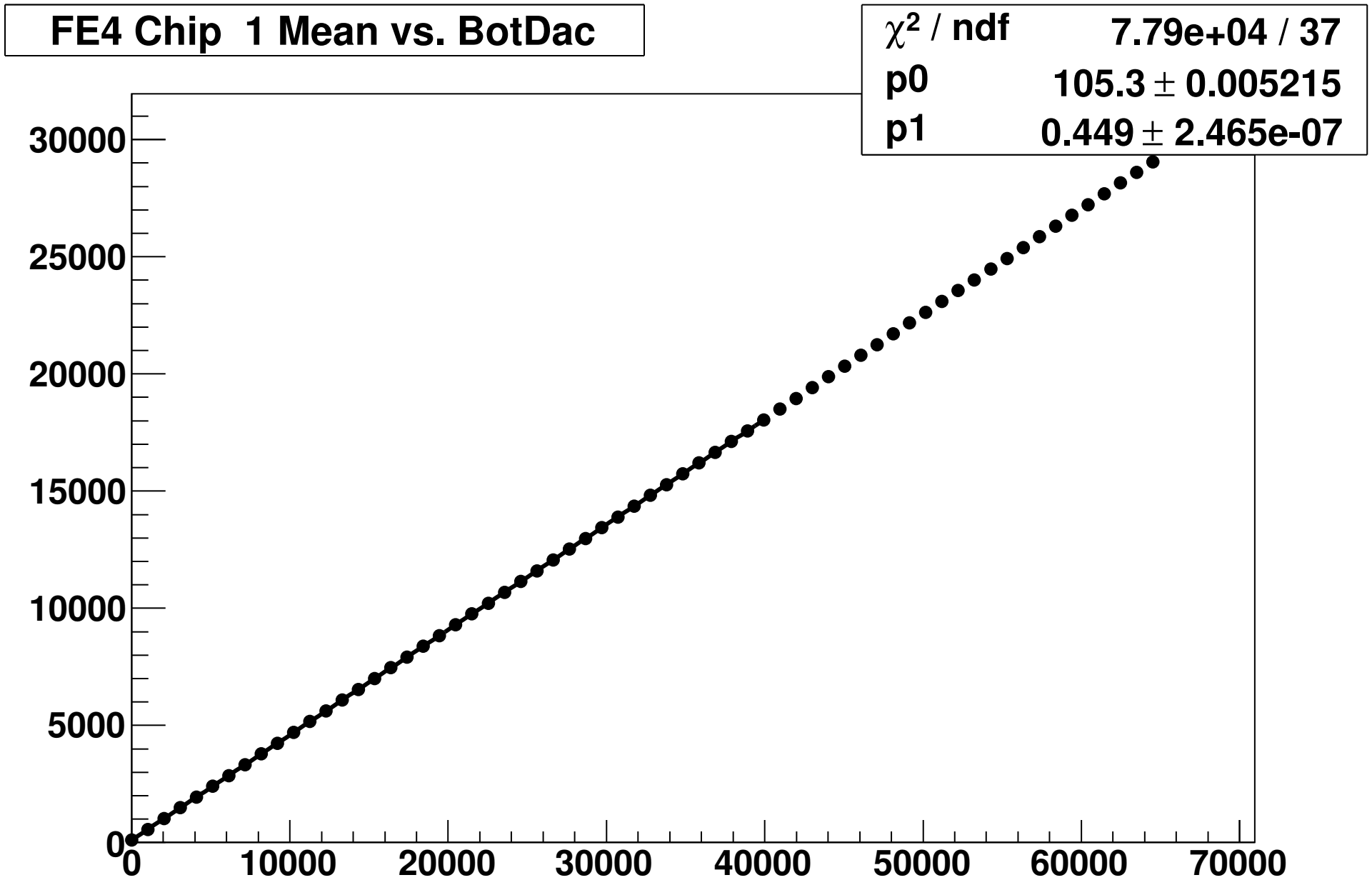
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 7.79e+04 / 37
p0 105.3 ± 0.005215
p1 0.449 ± 2.465e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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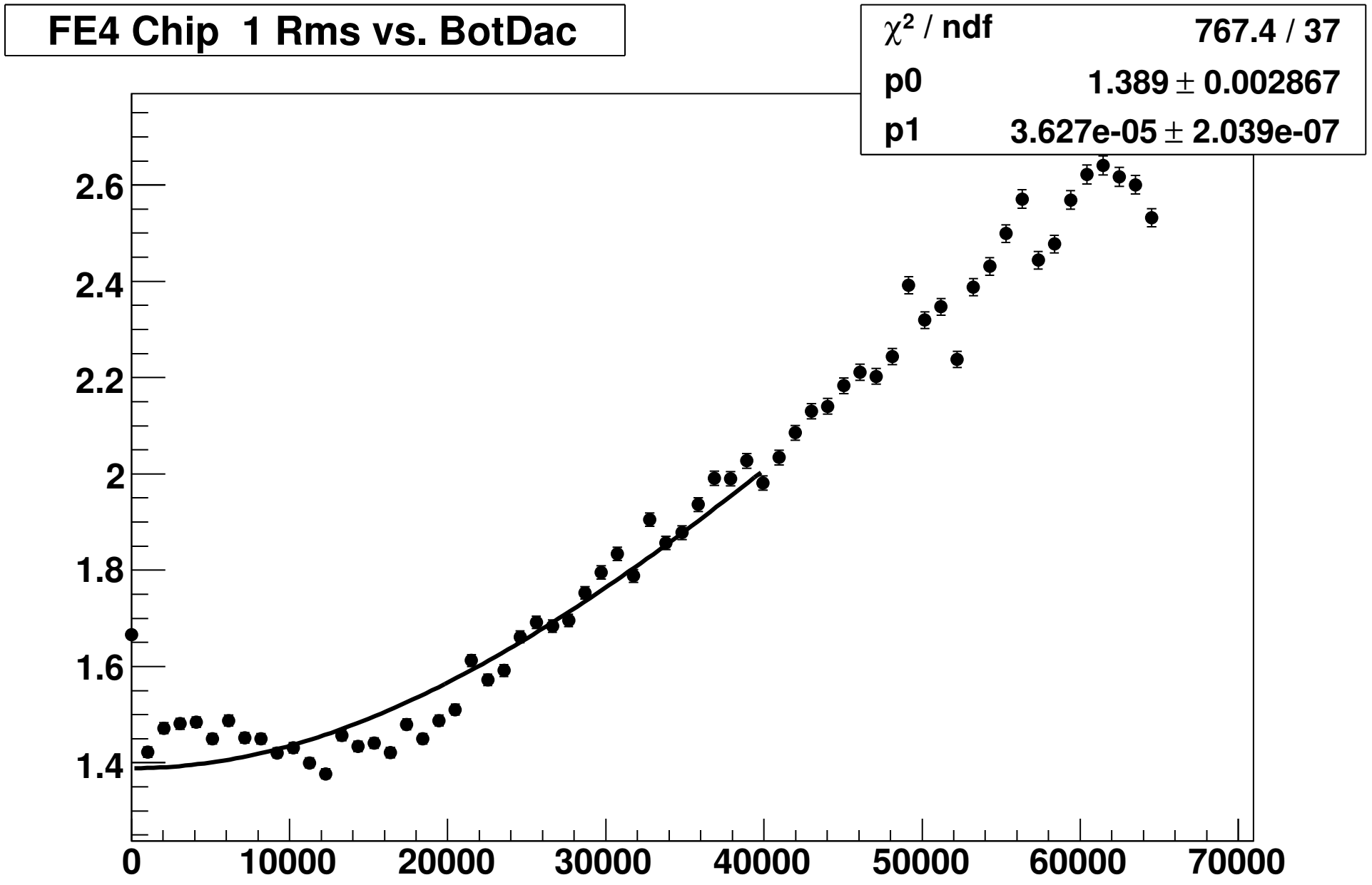
FE4 Chip 1 Rms vs. BotDac
χ² / ndf 767.4 / 37
p0 1.389 ± 0.002867
p1 3.627e-05 ± 2.039e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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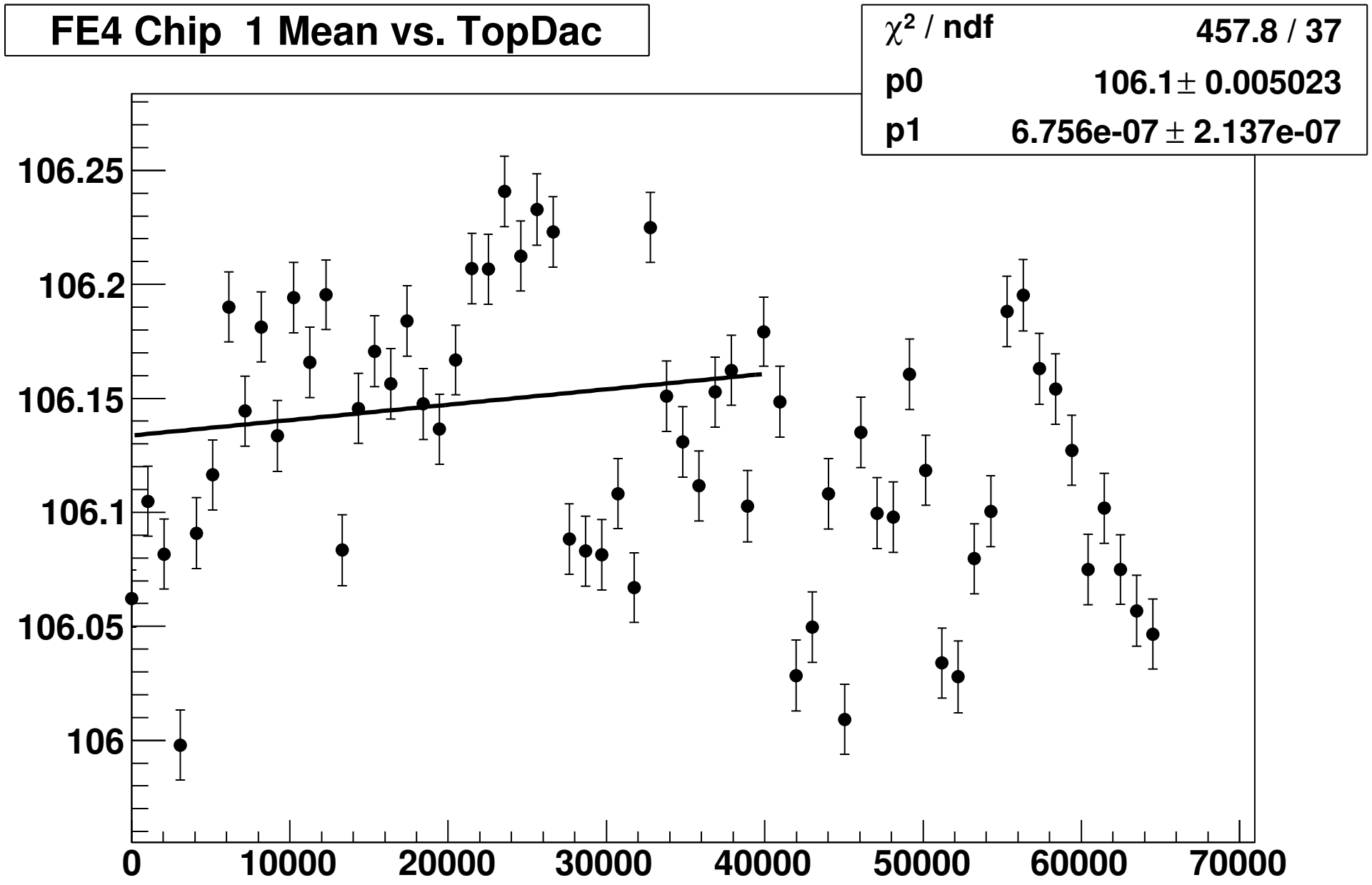
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 457.8 / 37
p0 106.1 ± 0.005023
p1 6.756e-07 ± 2.137e-07
106.25
106.2
106.15
106.1
106.05
106
0
10000
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50000
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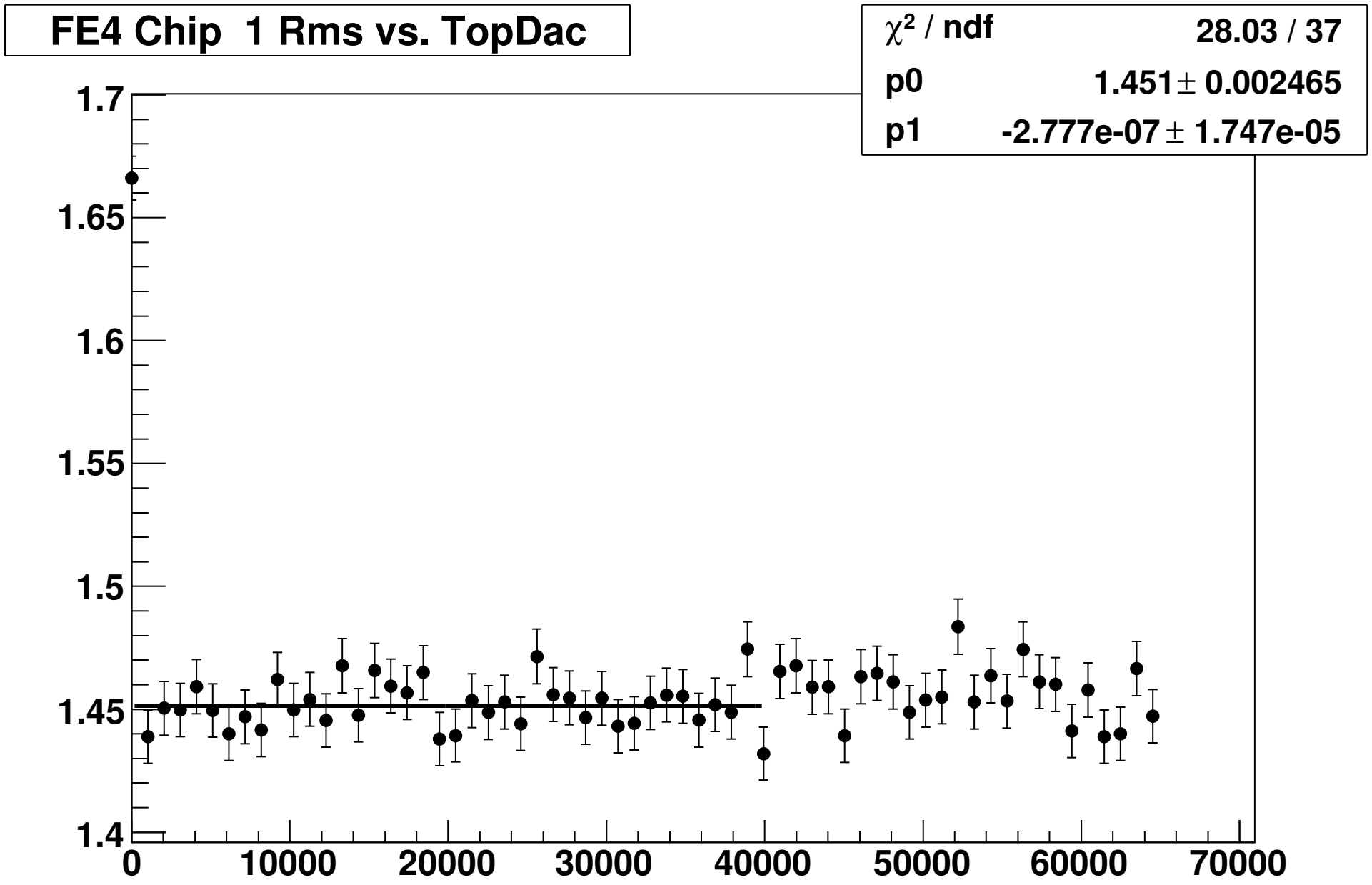
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 28.03 / 37
p0 1.451 ± 0.002465
p1 -2.777e-07 ± 1.747e-05
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
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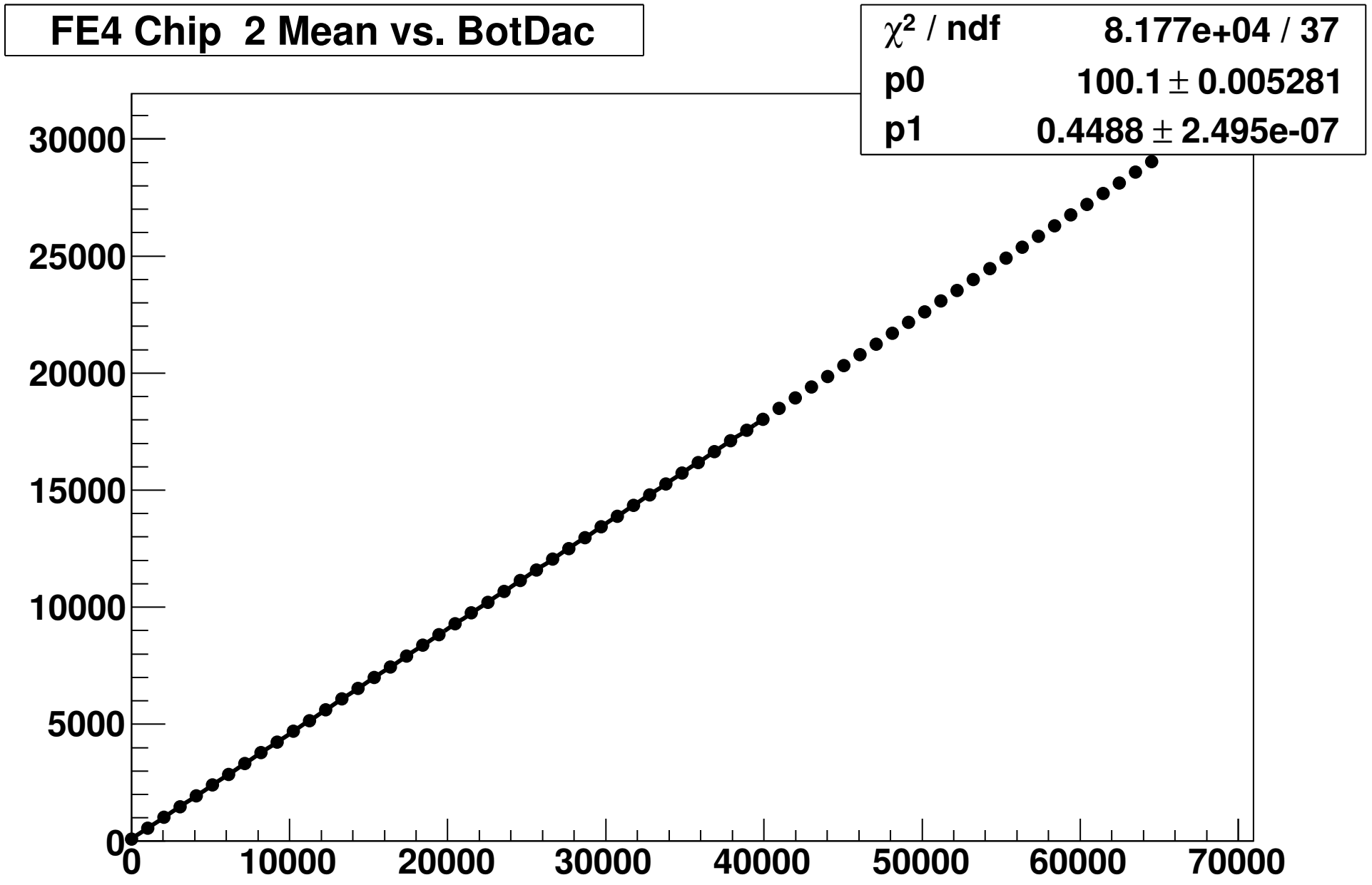
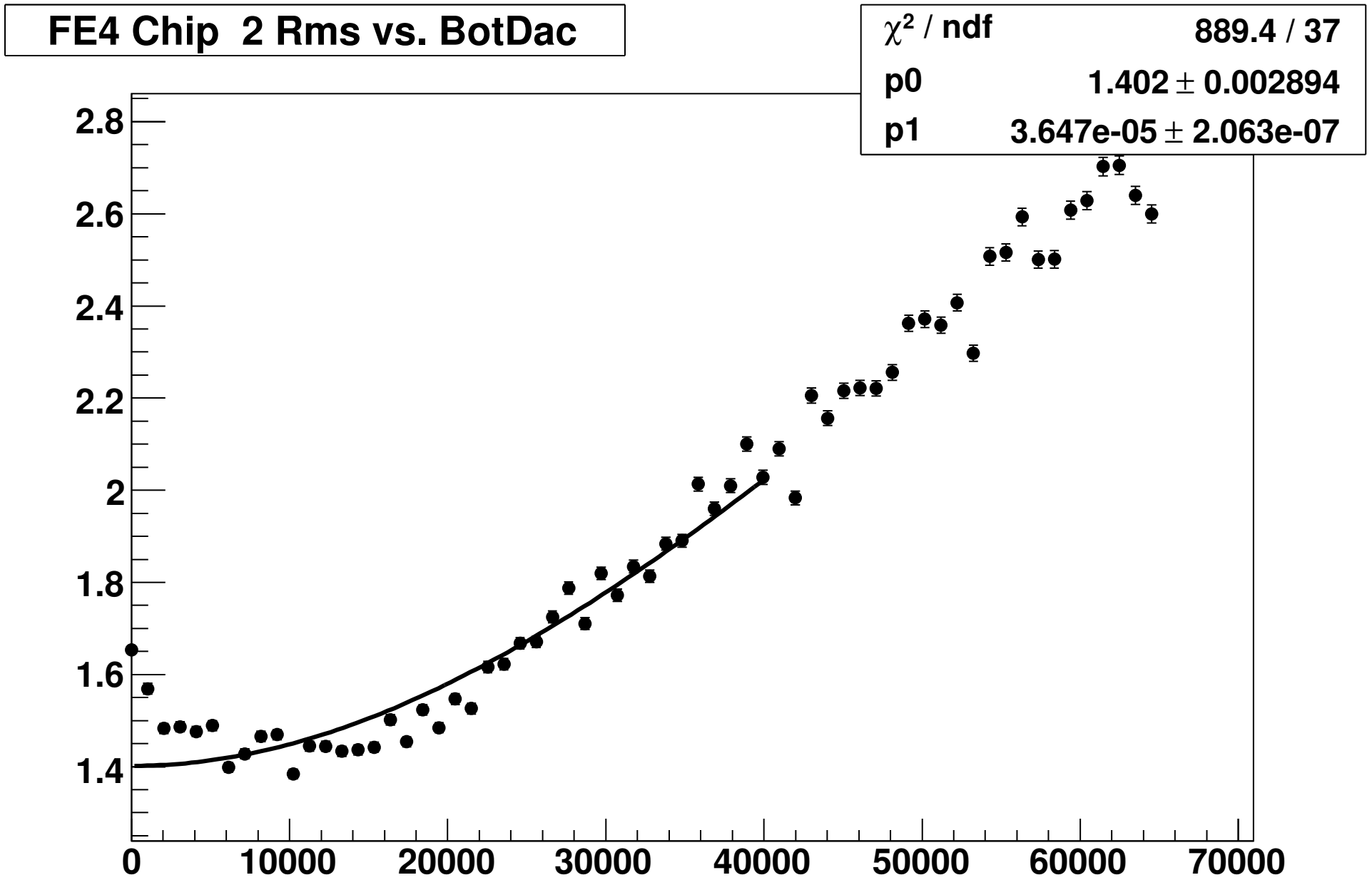

FE4 Chip 2 Mean vs. BotDac
χ² / ndf 8.177e+04 / 37
p0 100.1 ± 0.005281
p1 0.4488 ± 2.495e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 889.4 / 37
p0 1.402 ± 0.002894
p1 3.647e-05 ± 2.063e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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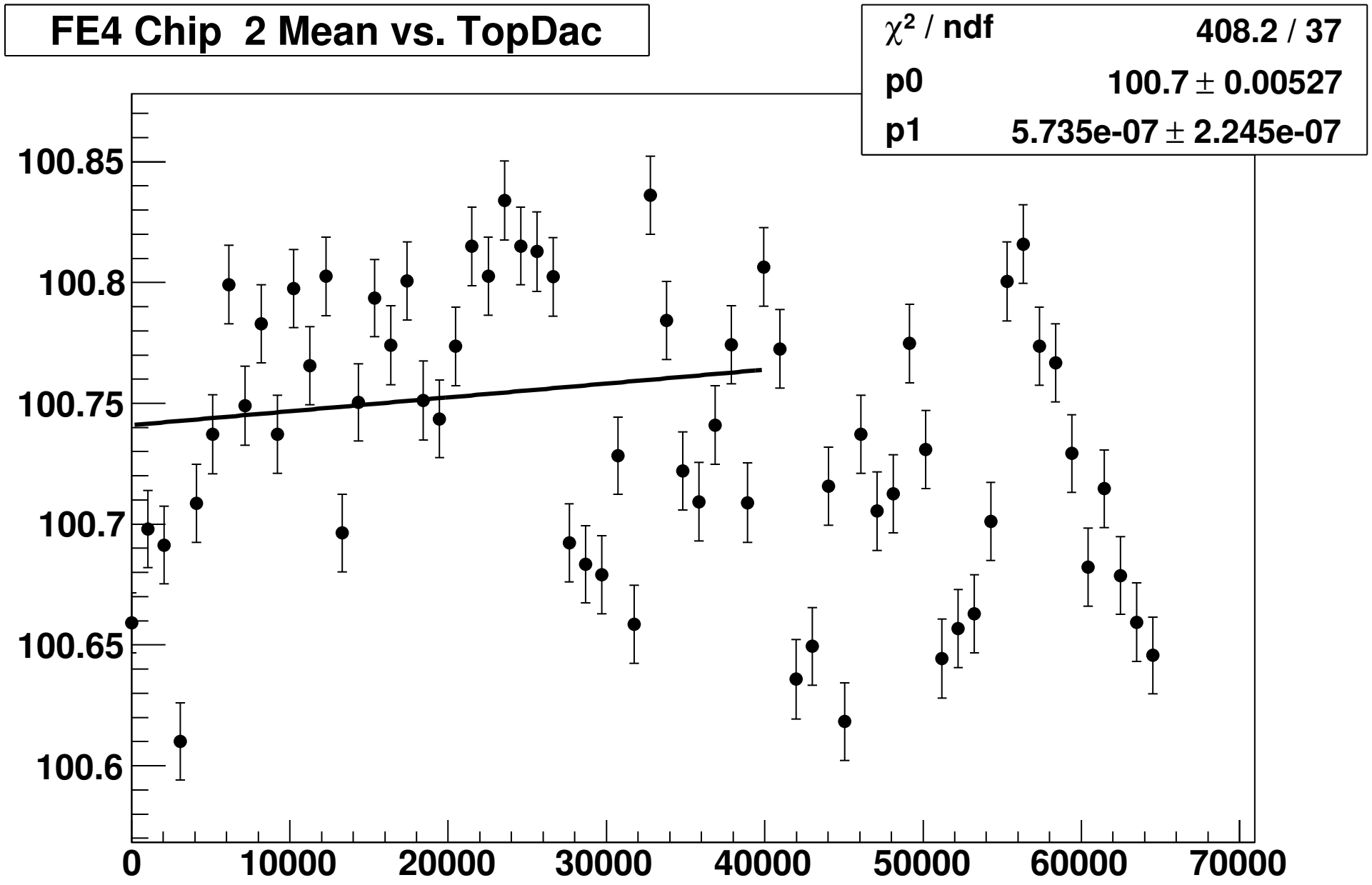
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 408.2 / 37
p0 100.7 ± 0.00527
p1 5.735e-07 ± 2.245e-07
100.85
100.8
100.75
100.7
100.65
100.6
0
10000
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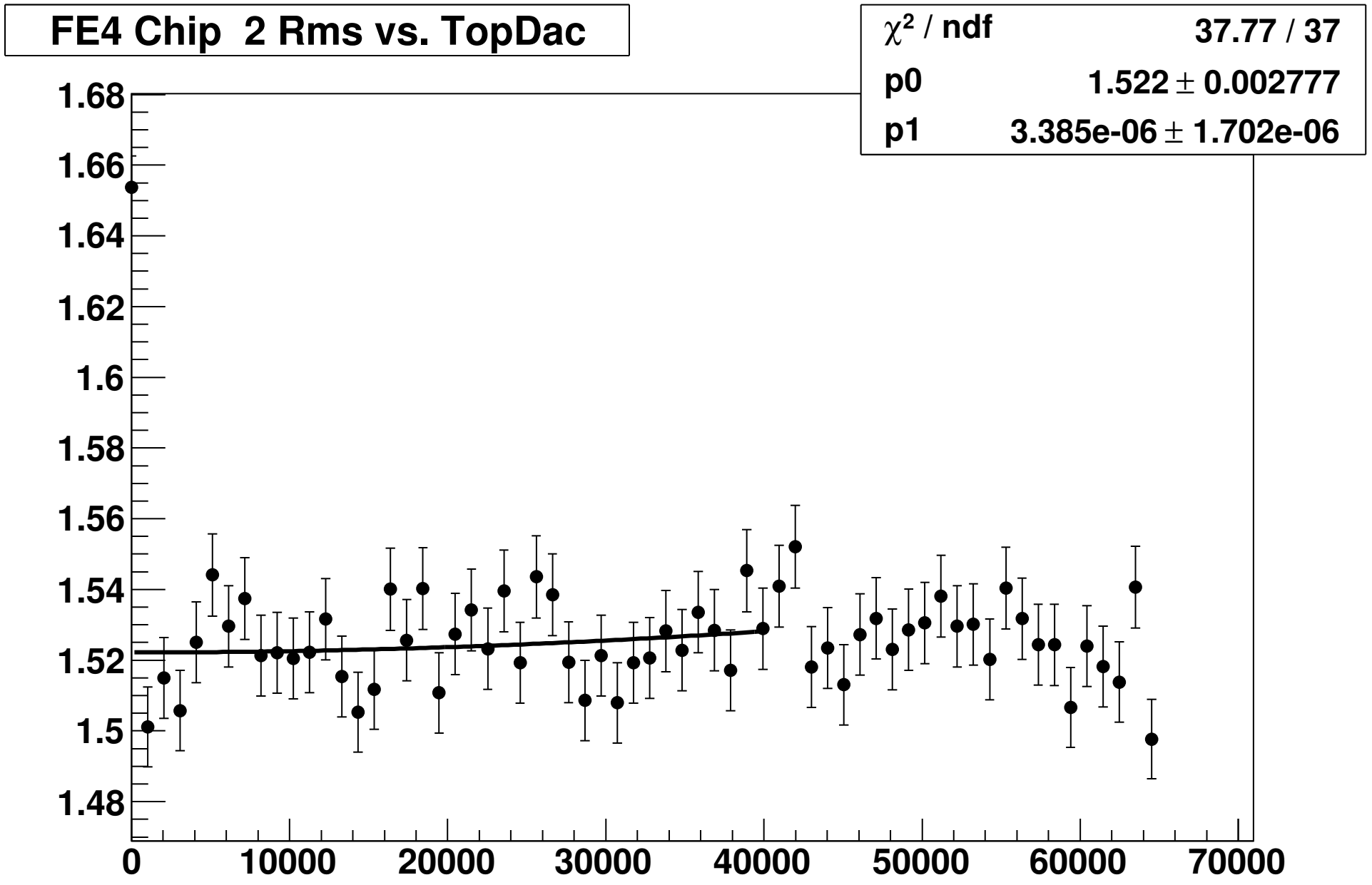
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 37.77 / 37
p0 1.522 ± 0.002777
p1 3.385e-06 ± 1.702e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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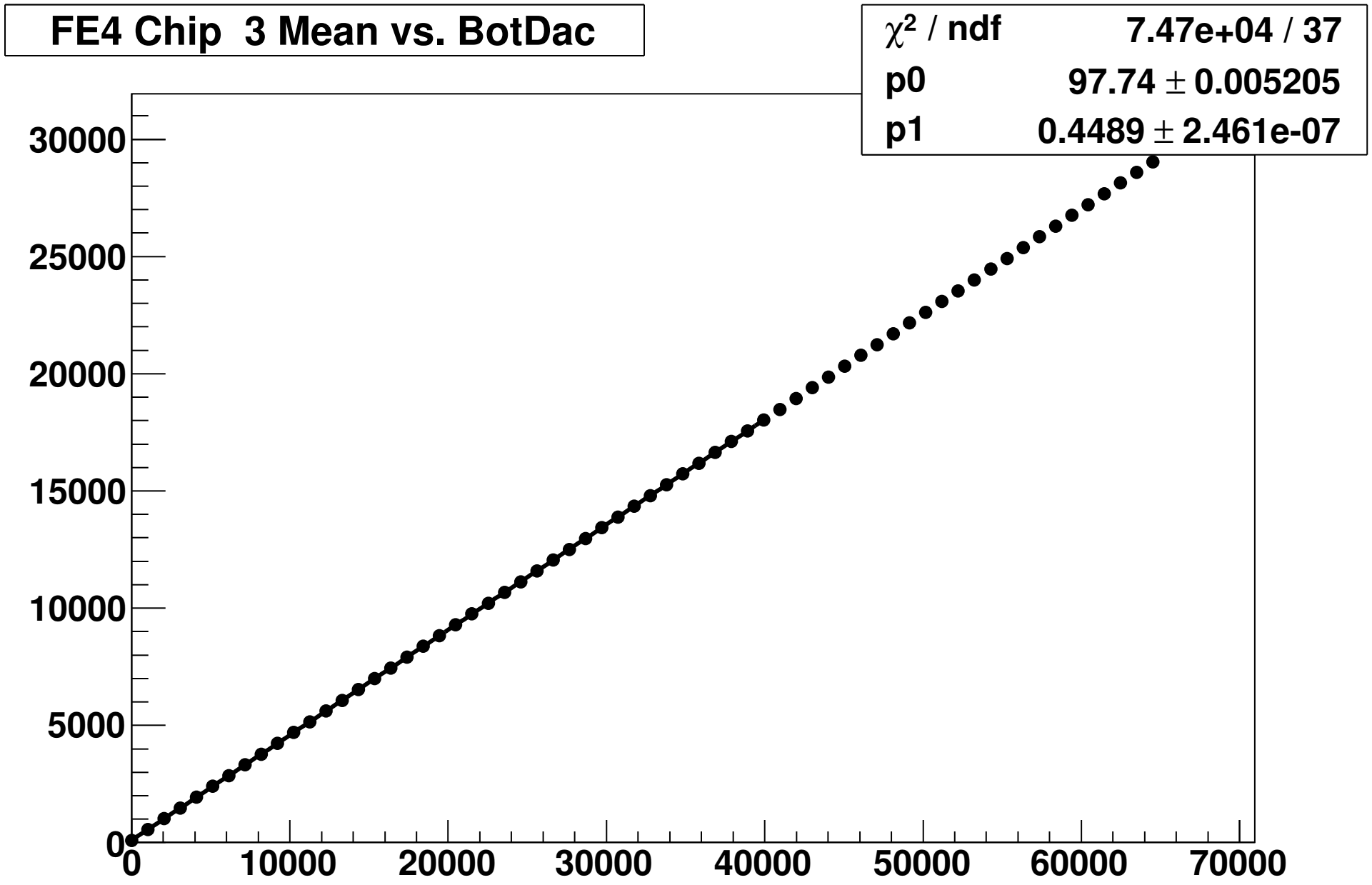
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 7.47e+04 / 37
p0 97.74 ± 0.005205
p1 0.4489 ± 2.461e-07
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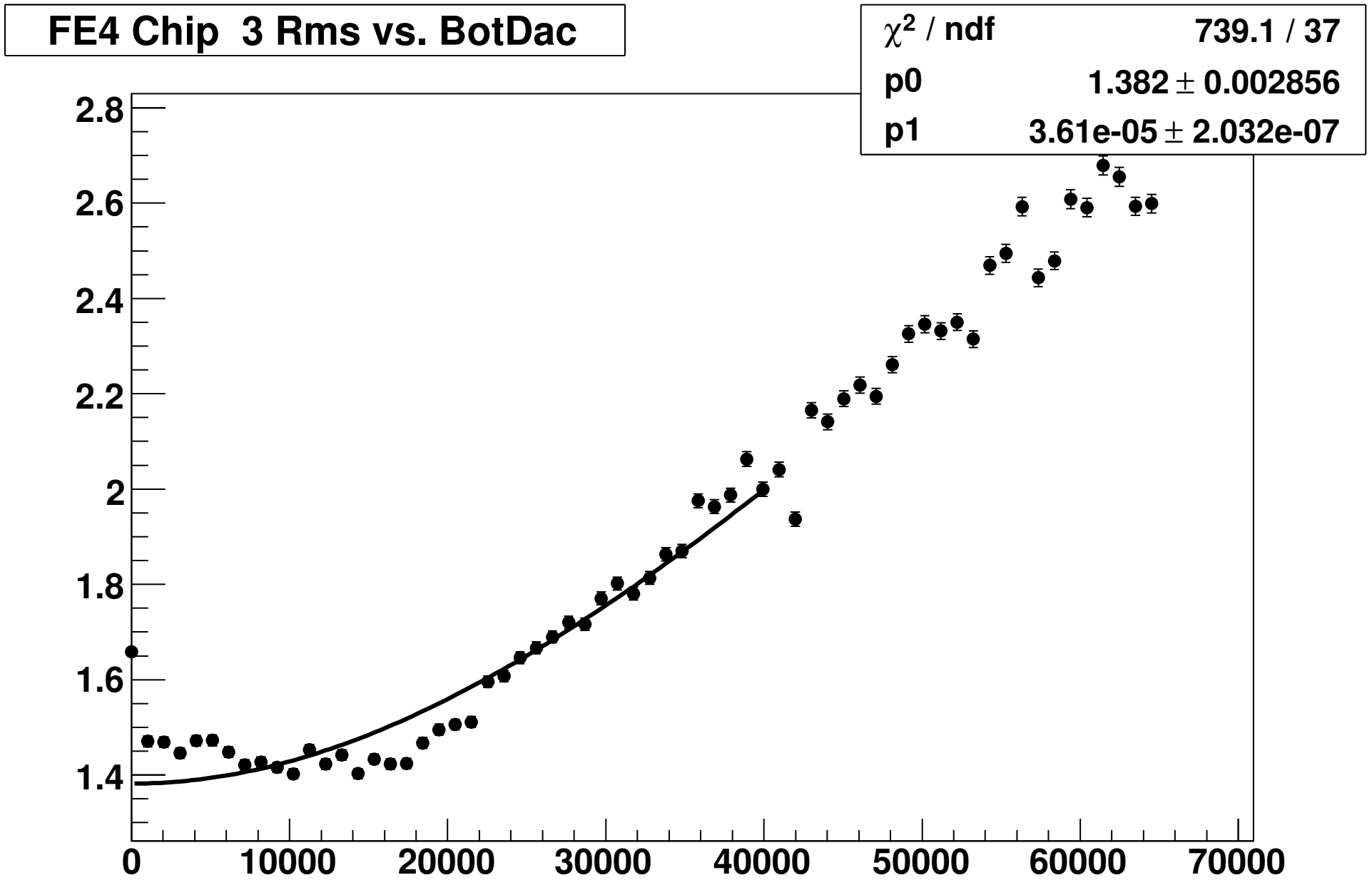
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 739.1 / 37
p0 1.382 ± 0.002856
p1 3.61e-05 ± 2.032e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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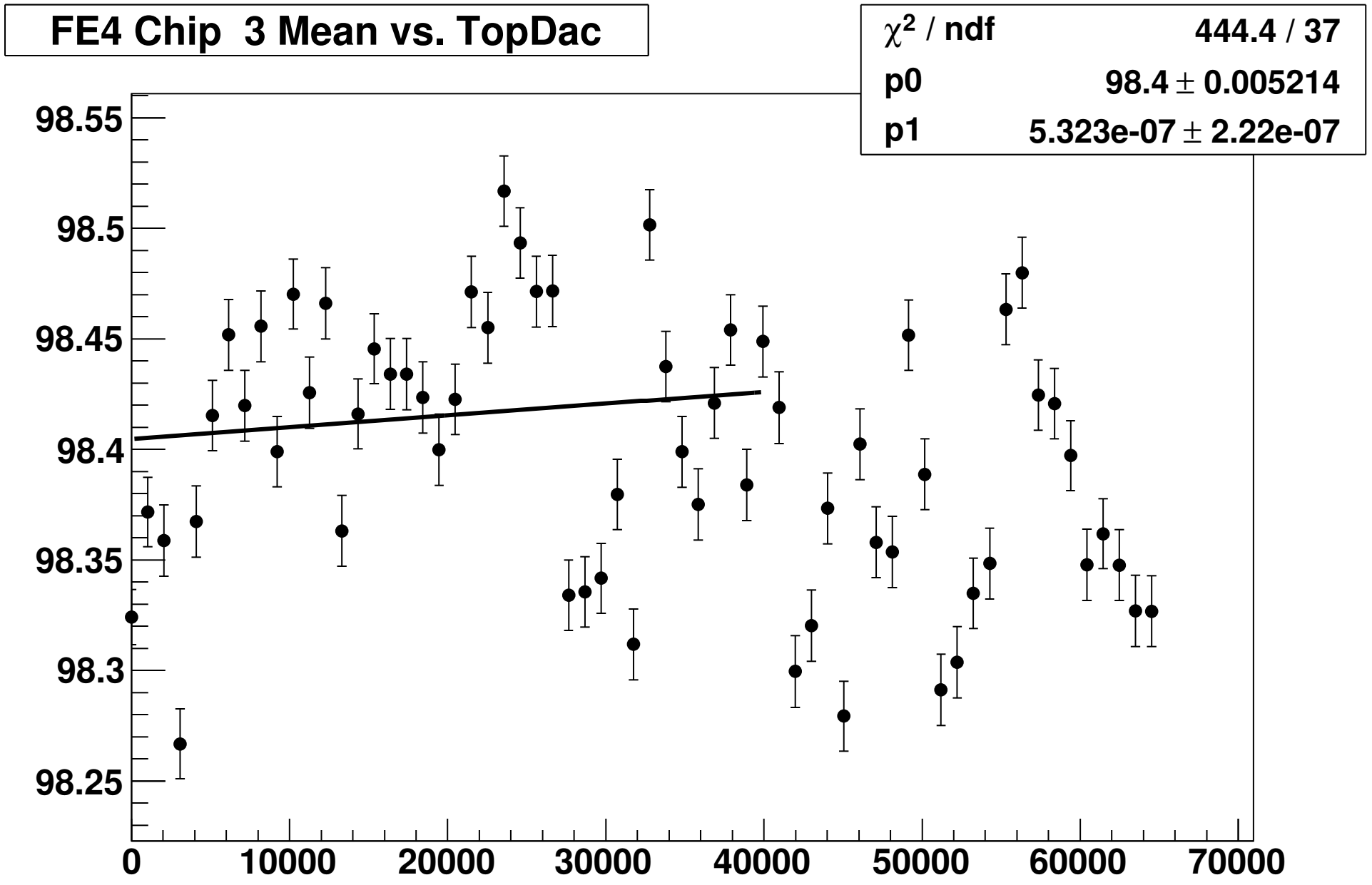
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 444.4 / 37
p0 98.4 ± 0.005214
p1 5.323e-07 ± 2.22e-07
98.55
98.5
98.45
98.4
98.35
98.3
98.25
0
10000
20000
30000
40000
50000
60000
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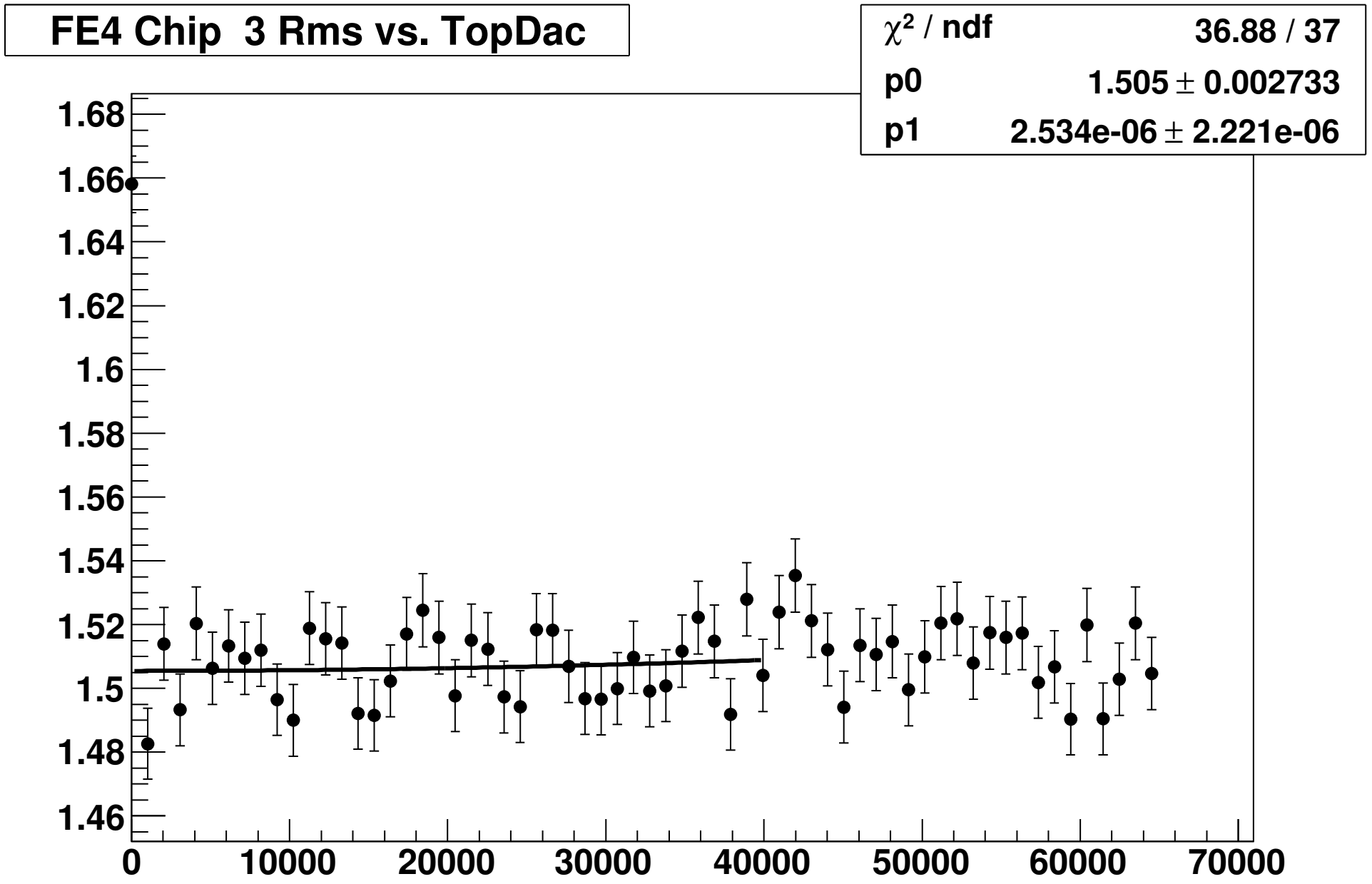
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 36.88 / 37
p0 1.505 ± 0.002733
p1 2.534e-06 ± 2.221e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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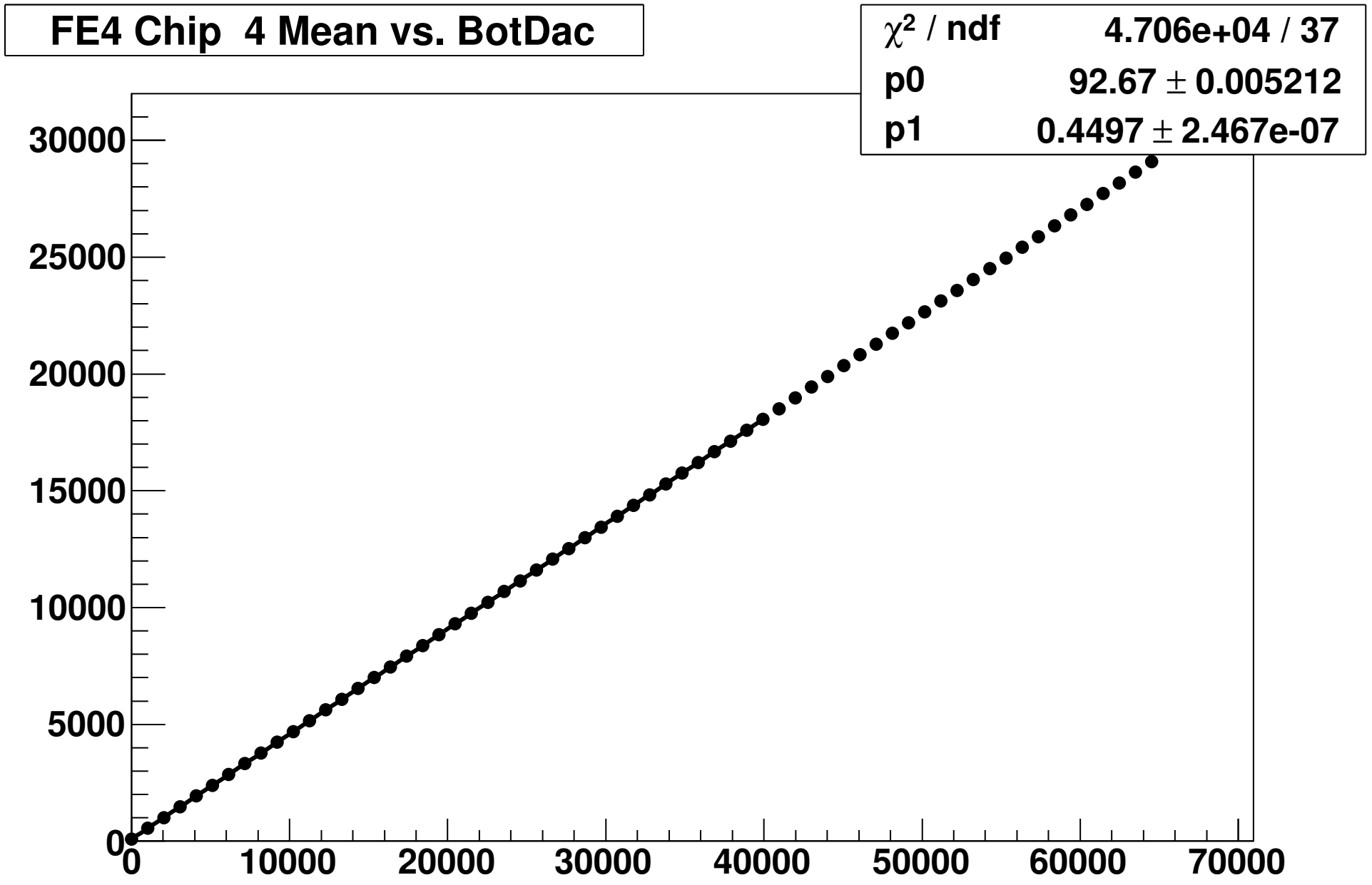
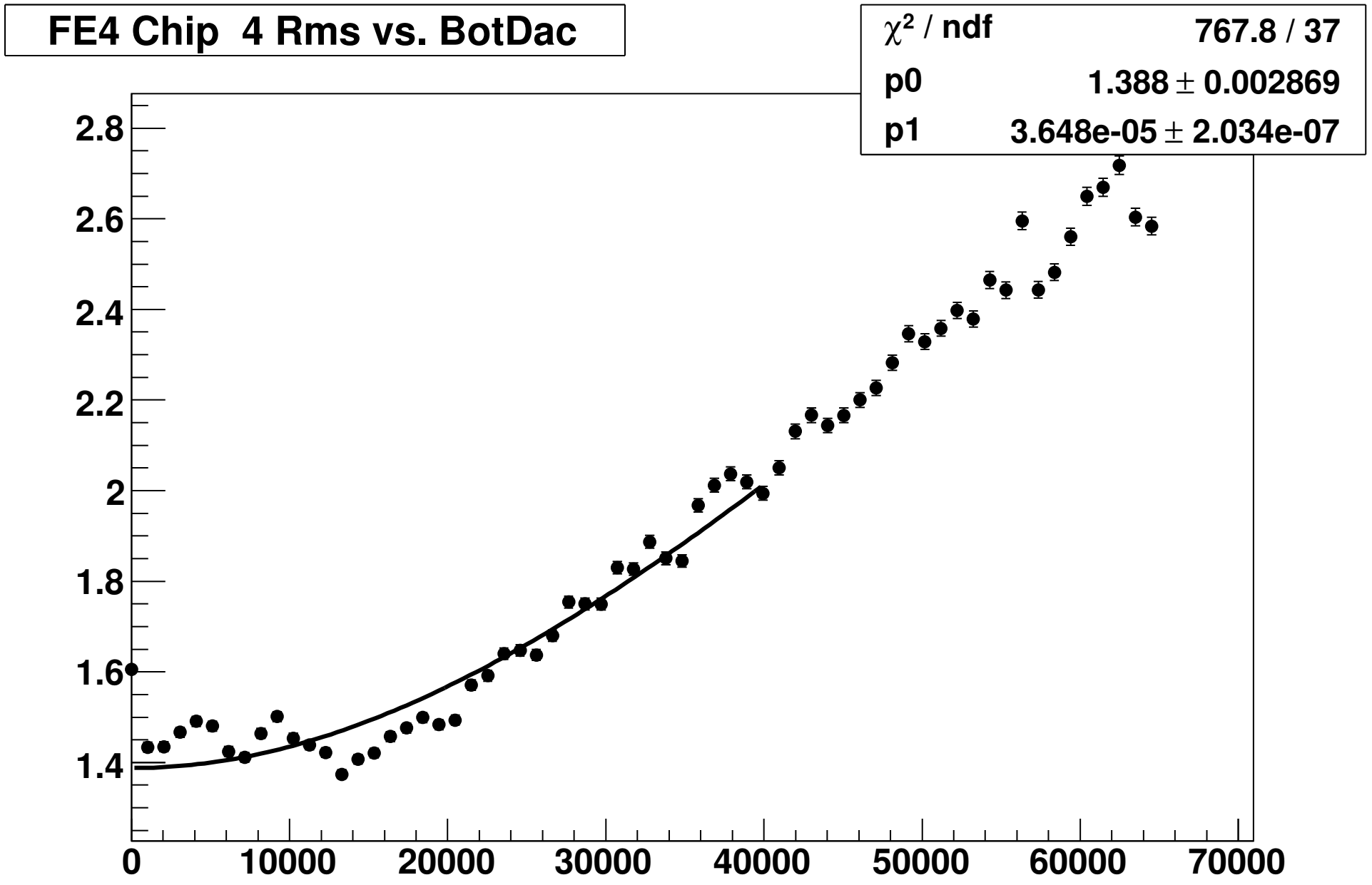

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 4.706e+04 / 37
p0 92.67 ± 0.005212
p1 0.4497 ± 2.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 767.8 / 37
p0 1.388 ± 0.002869
p1 3.648e-05 ± 2.034e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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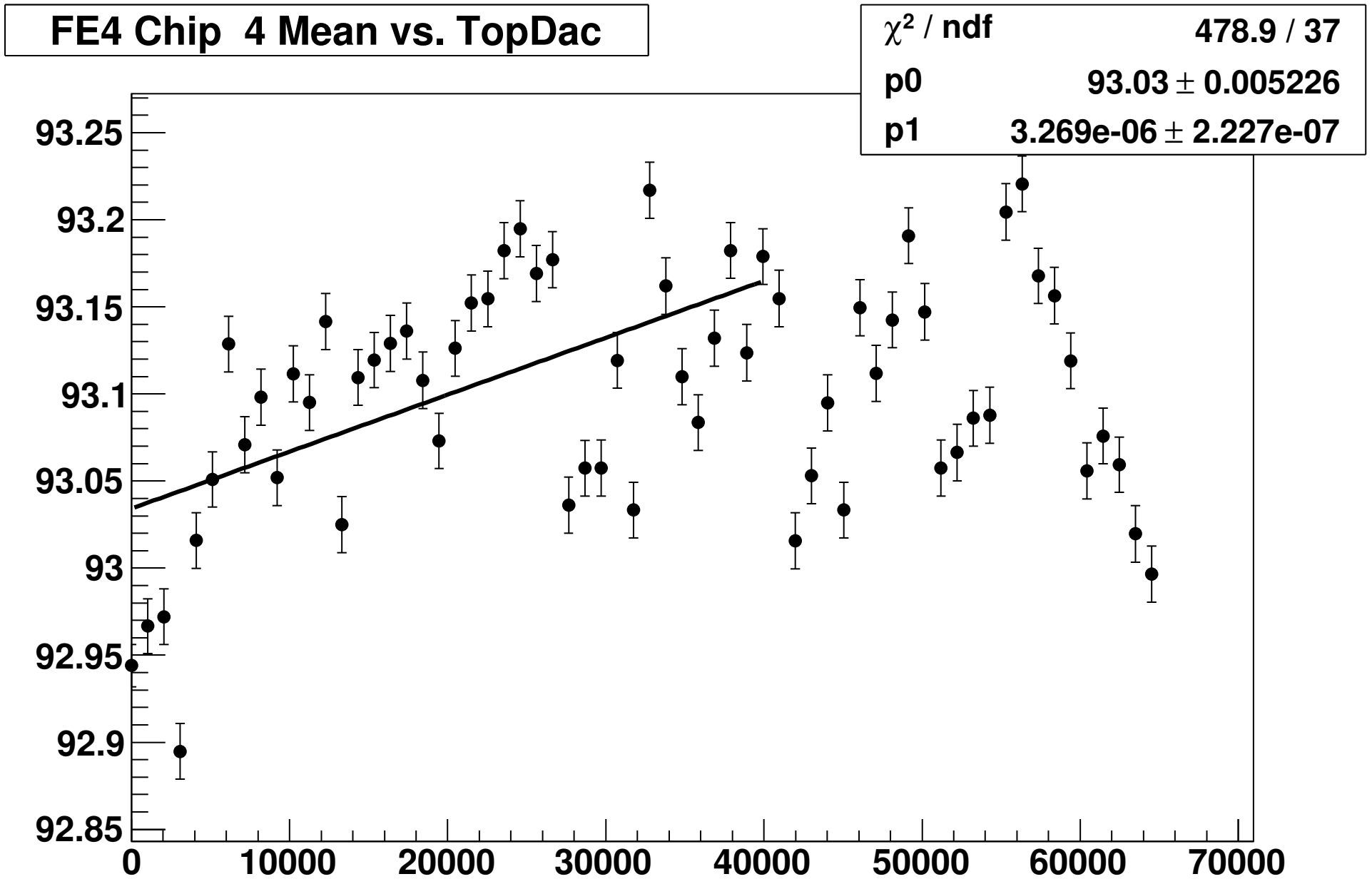
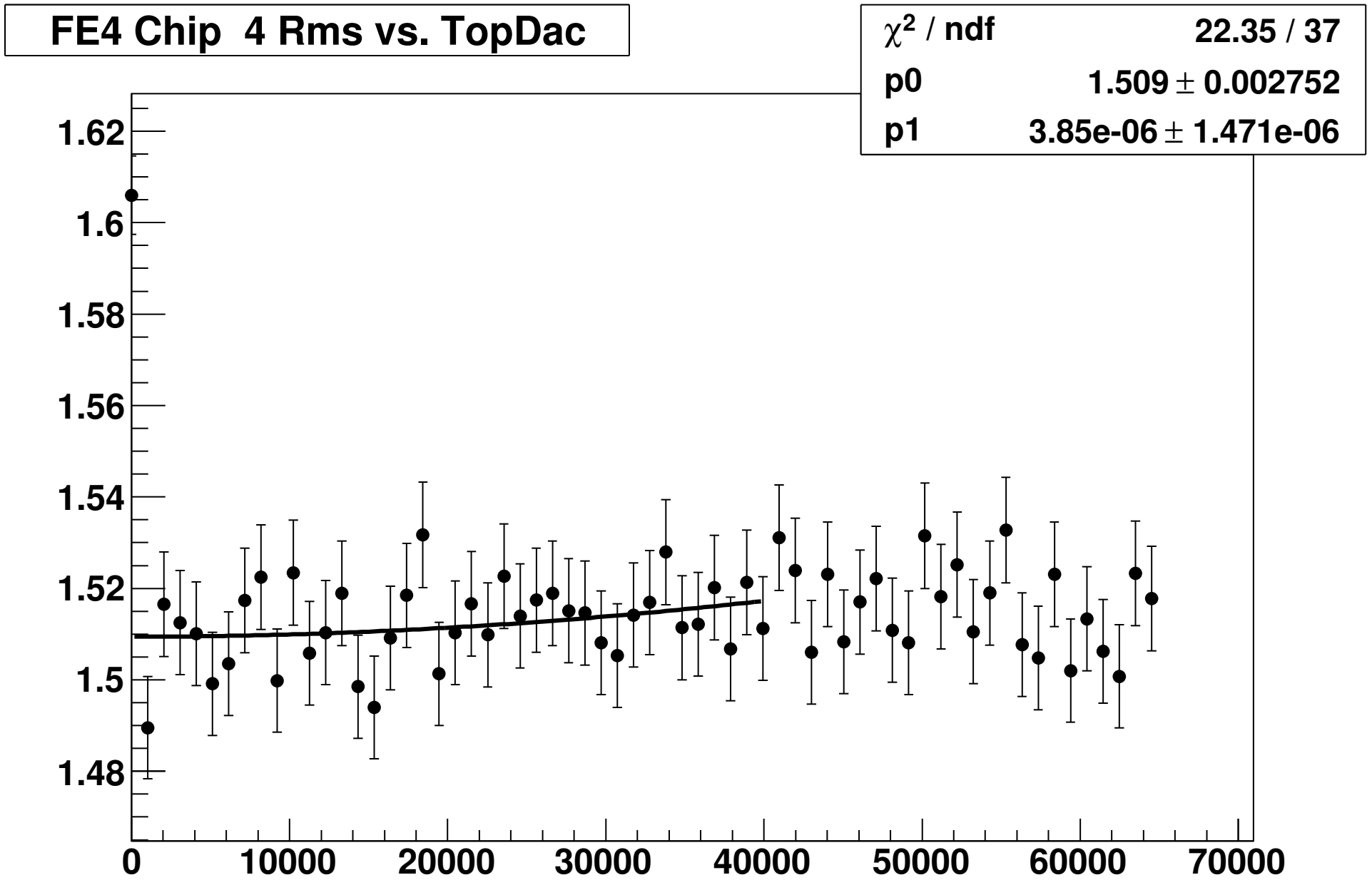

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 478.9 / 37
p0 93.03 ± 0.005226
p1 3.269e-06 ± 2.227e-07
93.25
93.2
93.15
93.1
93.05
93
92.95
92.9
92.85
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 22.35 / 37
p0 1.509 ± 0.002752
p1 3.85e-06 ± 1.471e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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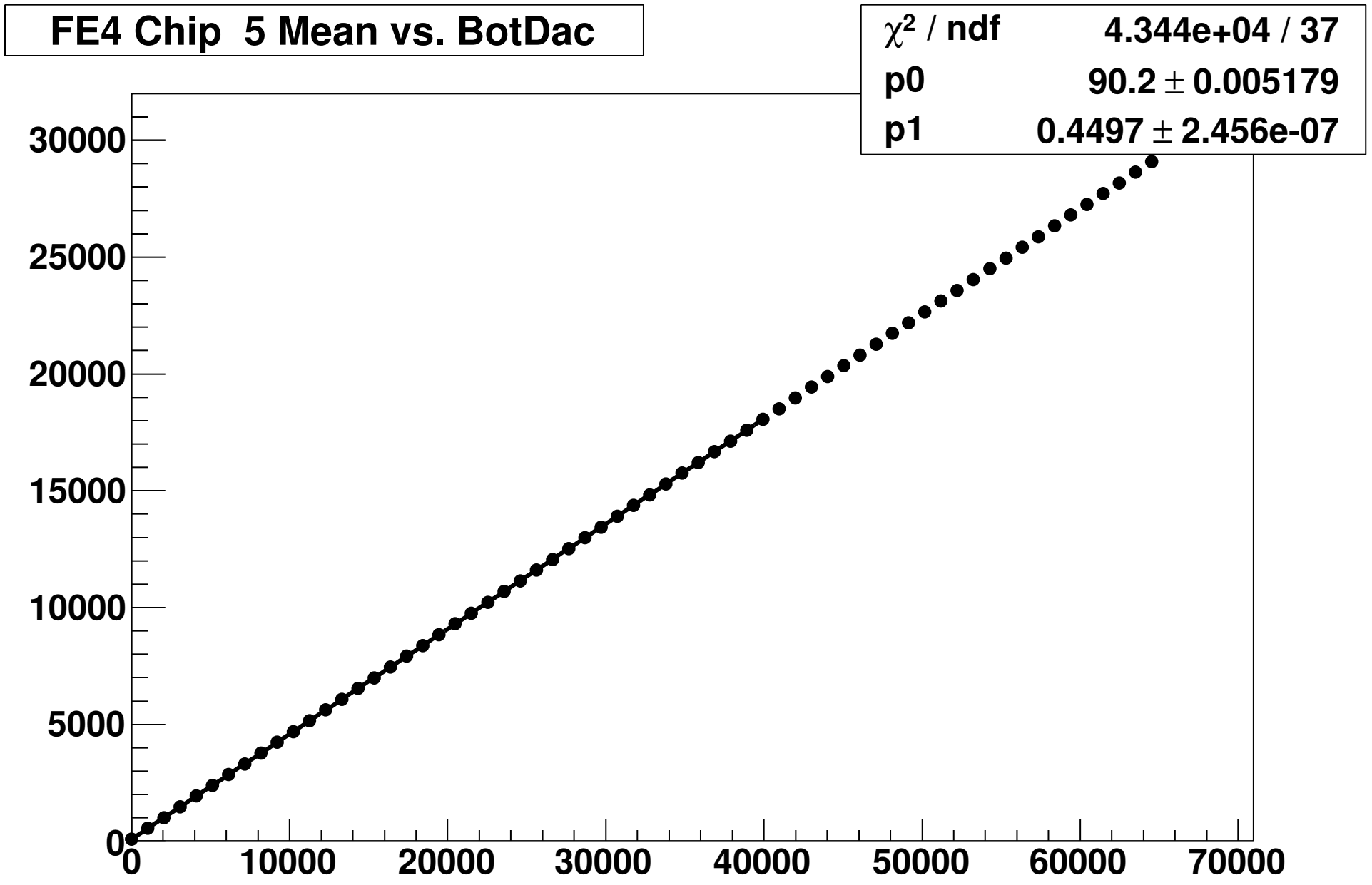
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 4.344e+04 / 37
p0 90.2 ± 0.005179
p1 0.4497 ± 2.456e-07
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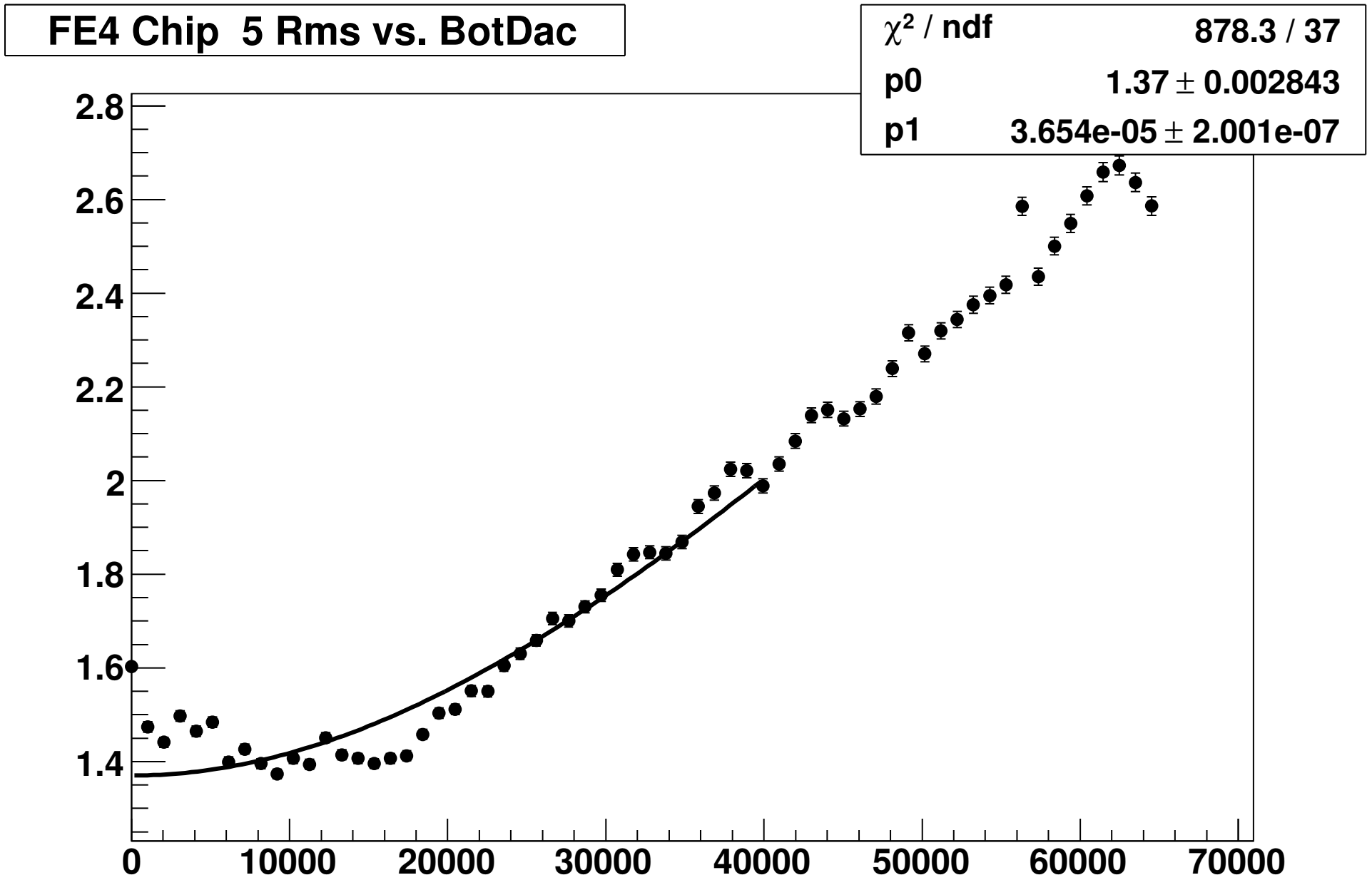
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 878.3 / 37
p0 1.37 ± 0.002843
p1 3.654e-05 ± 2.001e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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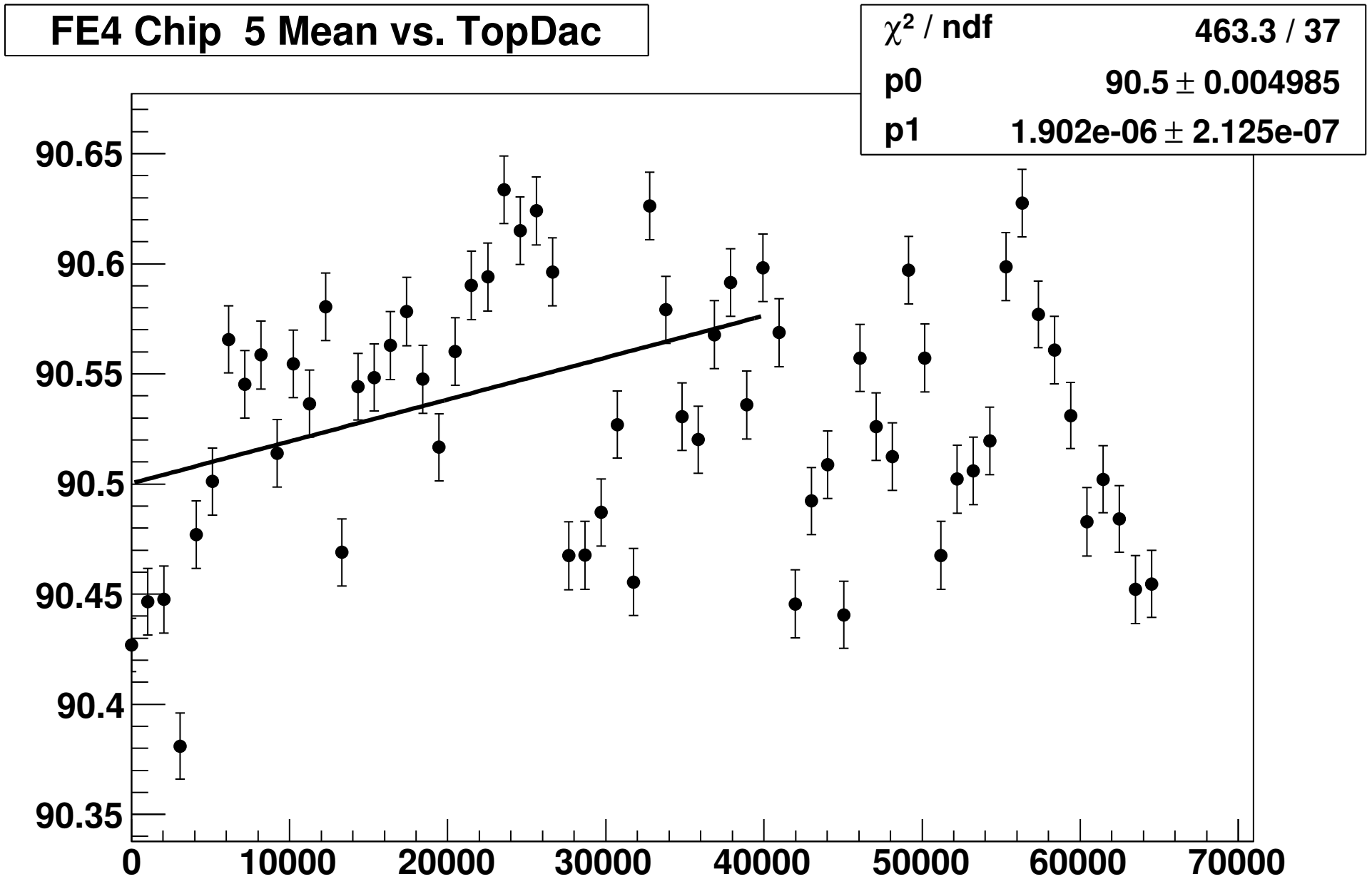
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 463.3 / 37
p0 90.5 ± 0.004985
p1 1.902e-06 ± 2.125e-07
90.65
90.6
90.55
90.5
90.45
90.4
90.35
0
10000
20000
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50000
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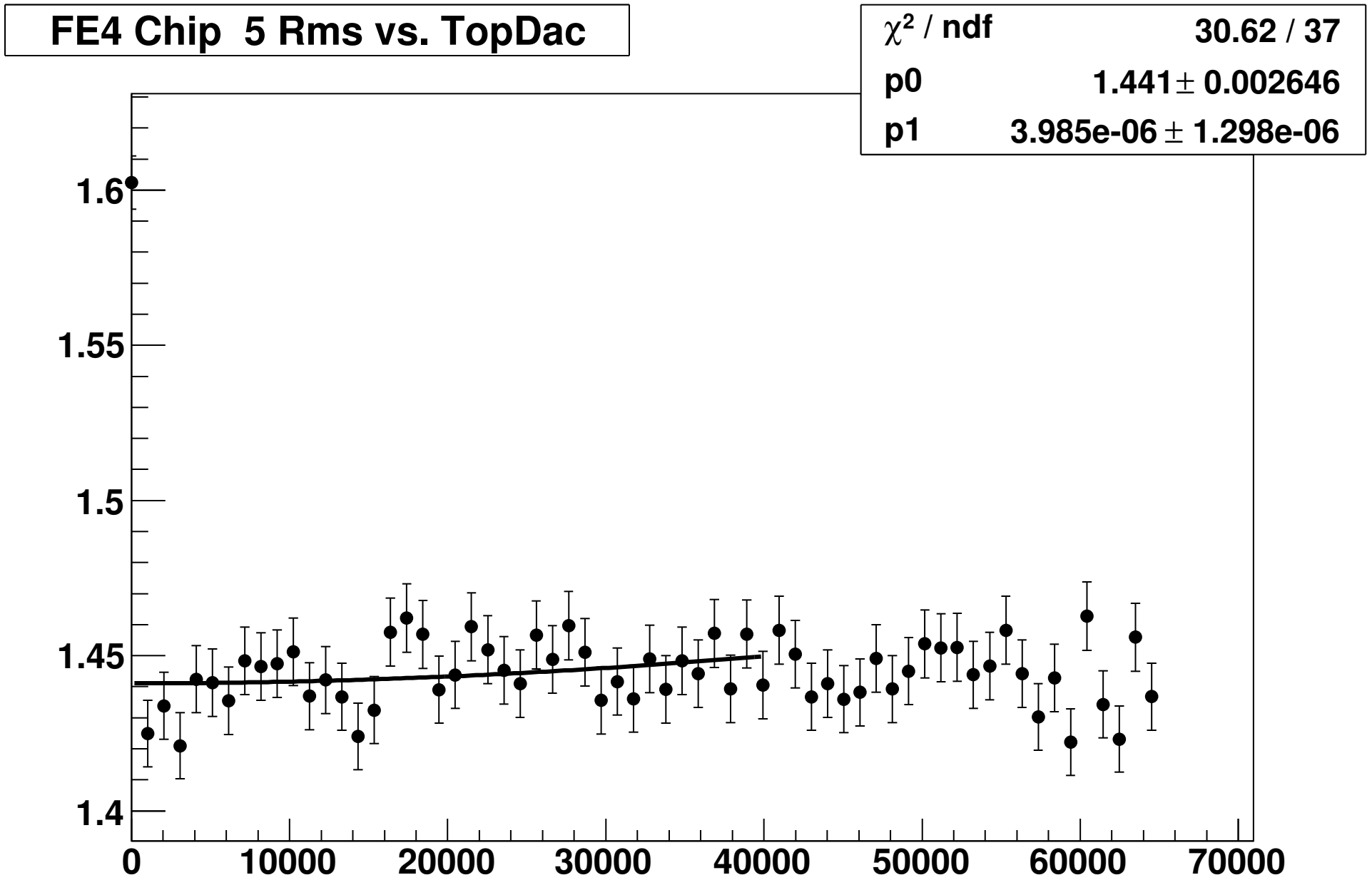
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 30.62 / 37
p0 1.441 ± 0.002646
p1 3.985e-06 ± 1.298e-06
1.6
1.55
1.5
1.45
1.4
0
10000
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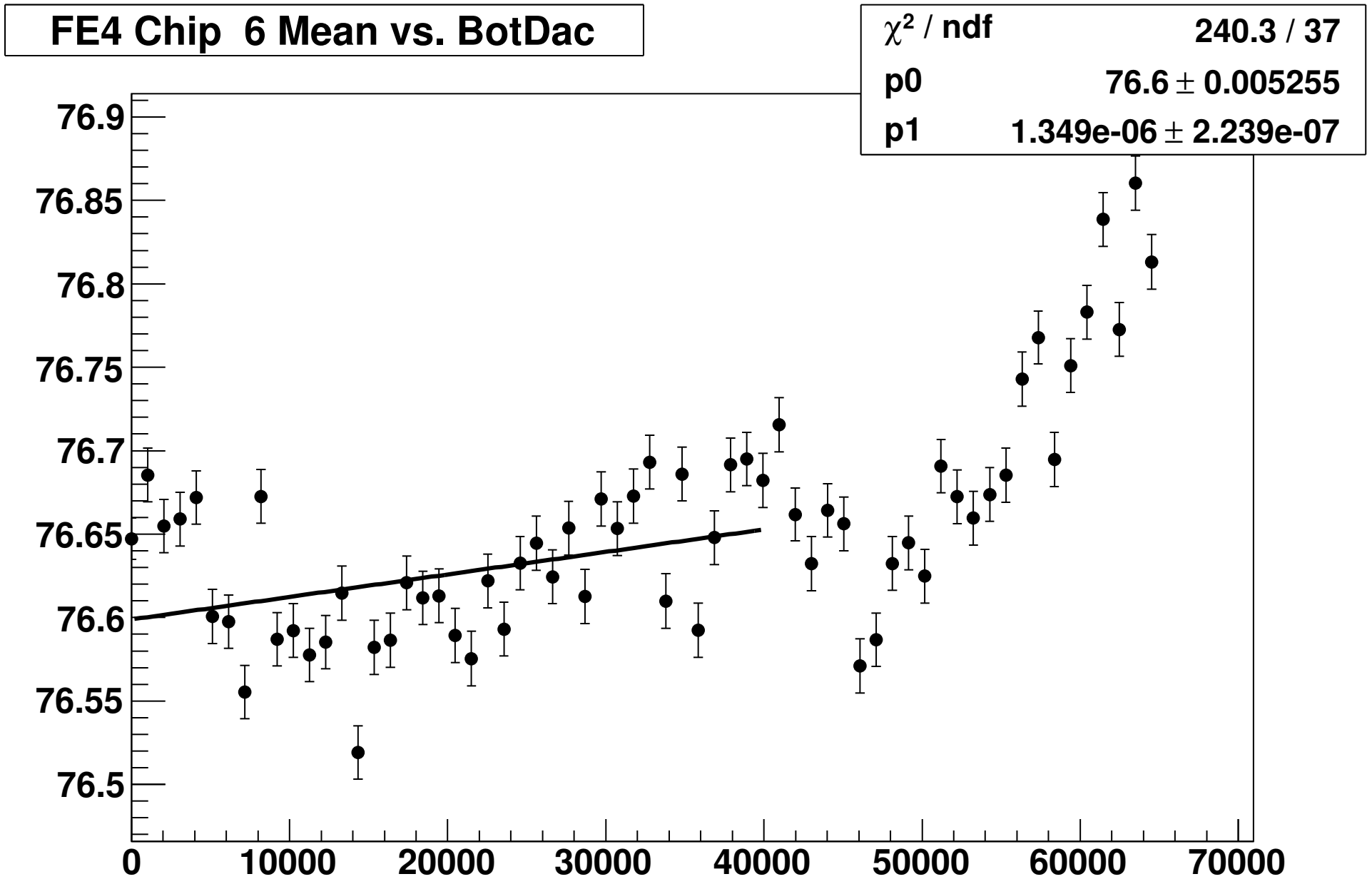
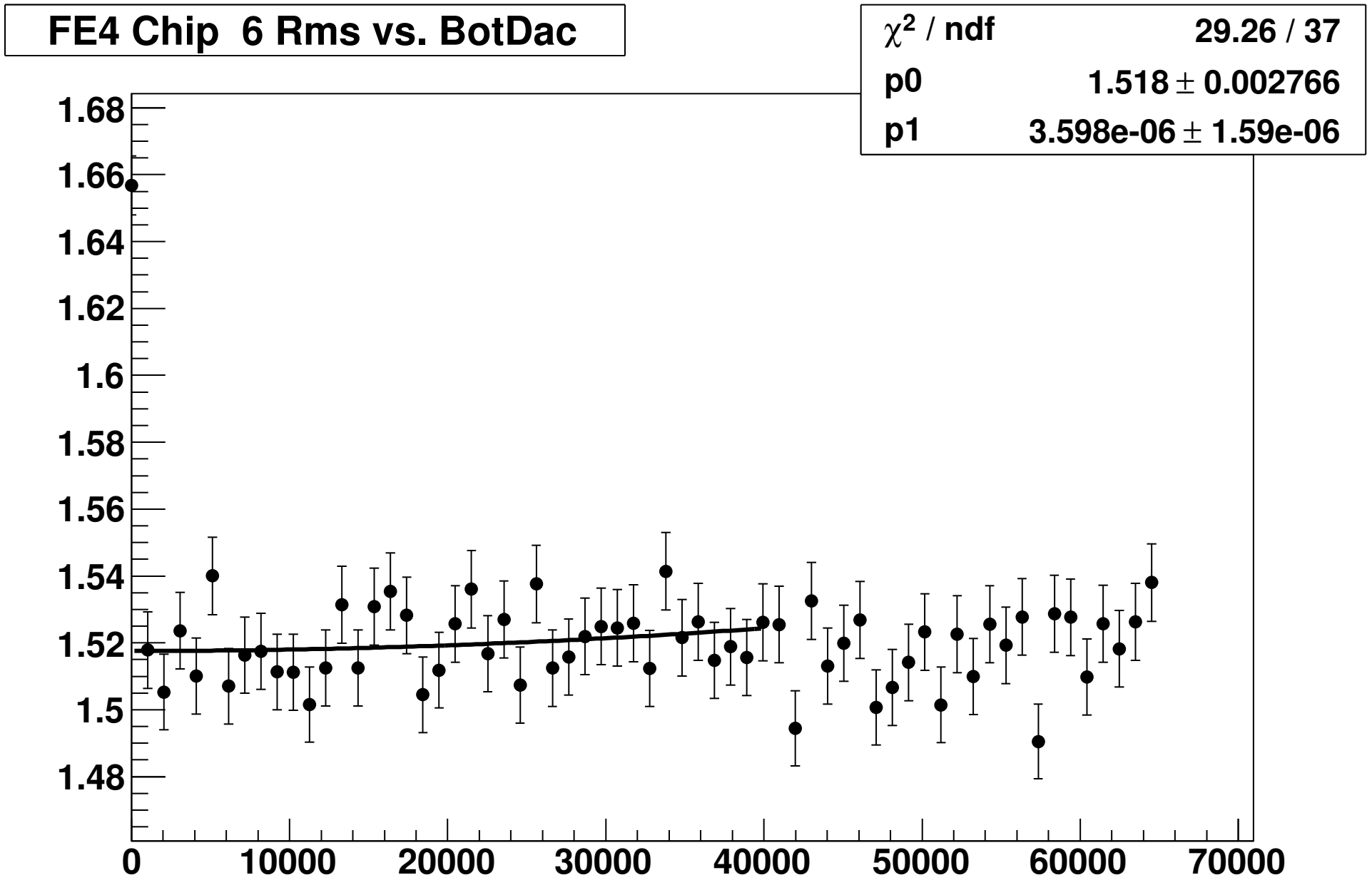

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 240.3 / 37
p0 76.6 ± 0.005255
p1 1.349e-06 ± 2.239e-07
76.9
76.85
76.8
76.75
76.7
76.65
76.6
76.55
76.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 29.26 / 37
p0 1.518 ± 0.002766
p1 3.598e-06 ± 1.59e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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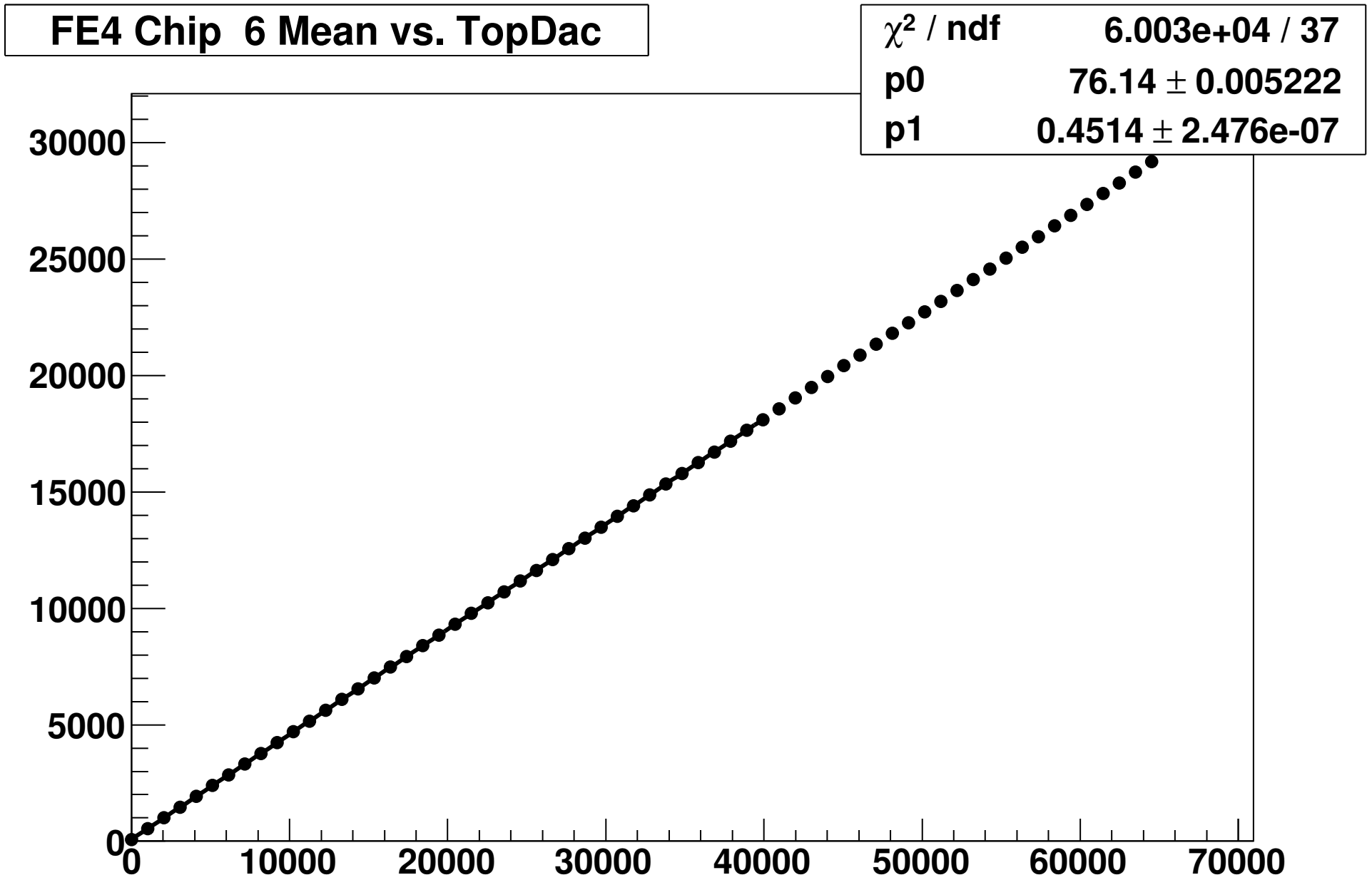
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 6.003e+04 / 37
p0 76.14 ± 0.005222
p1 0.4514 ± 2.476e-07
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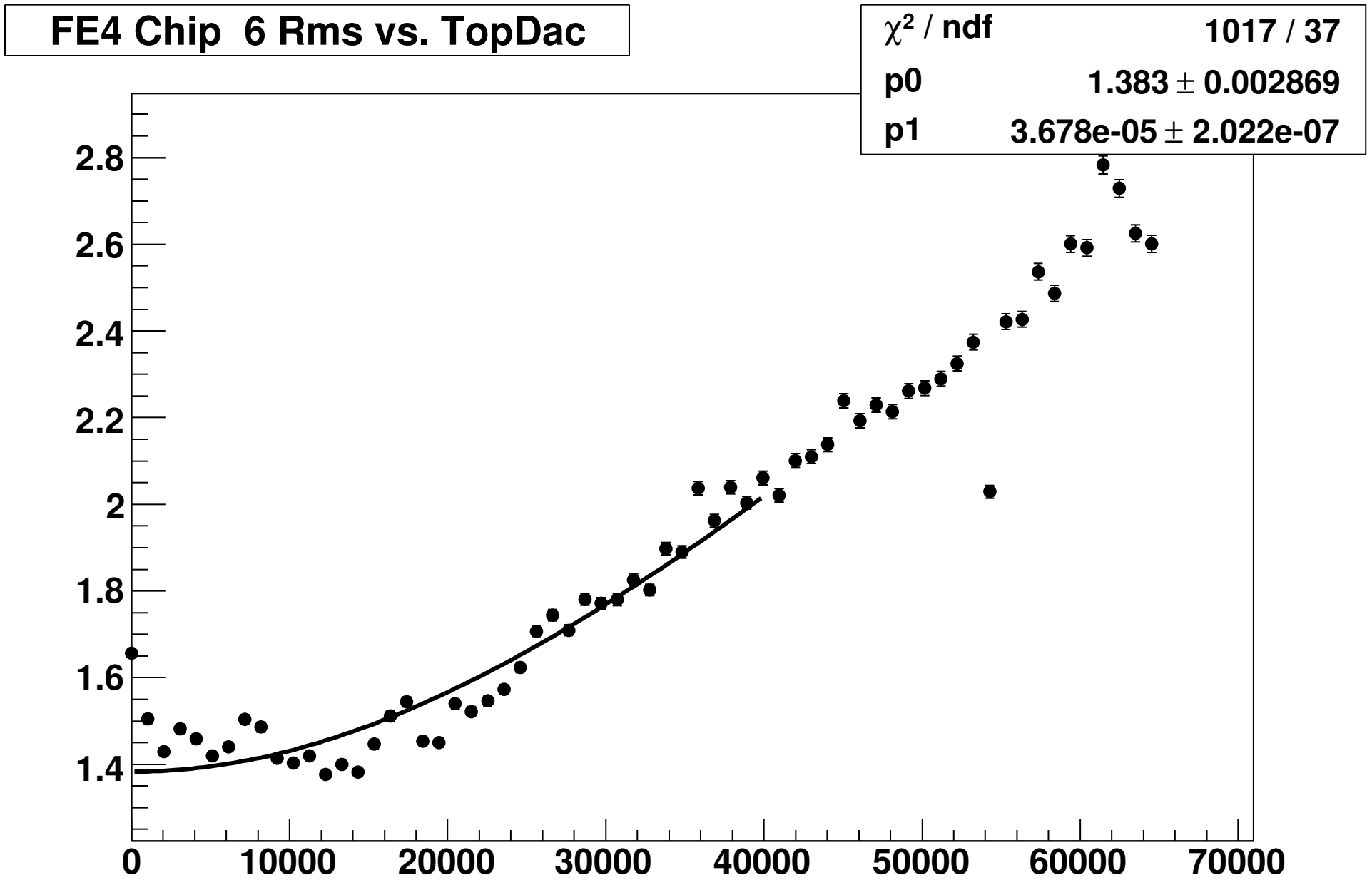
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1017 / 37
p0 1.383 ± 0.002869
p1 3.678e-05 ± 2.022e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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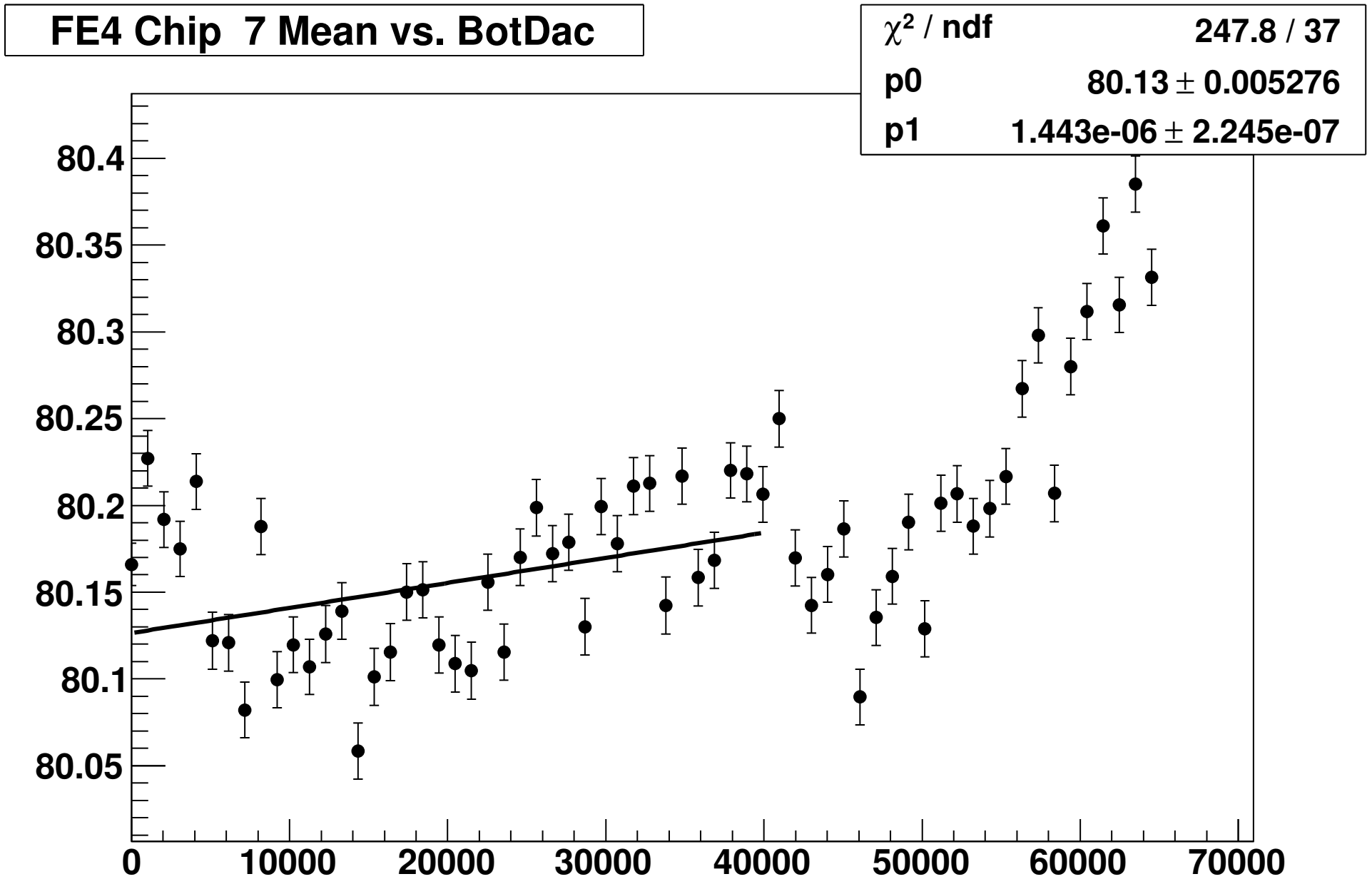
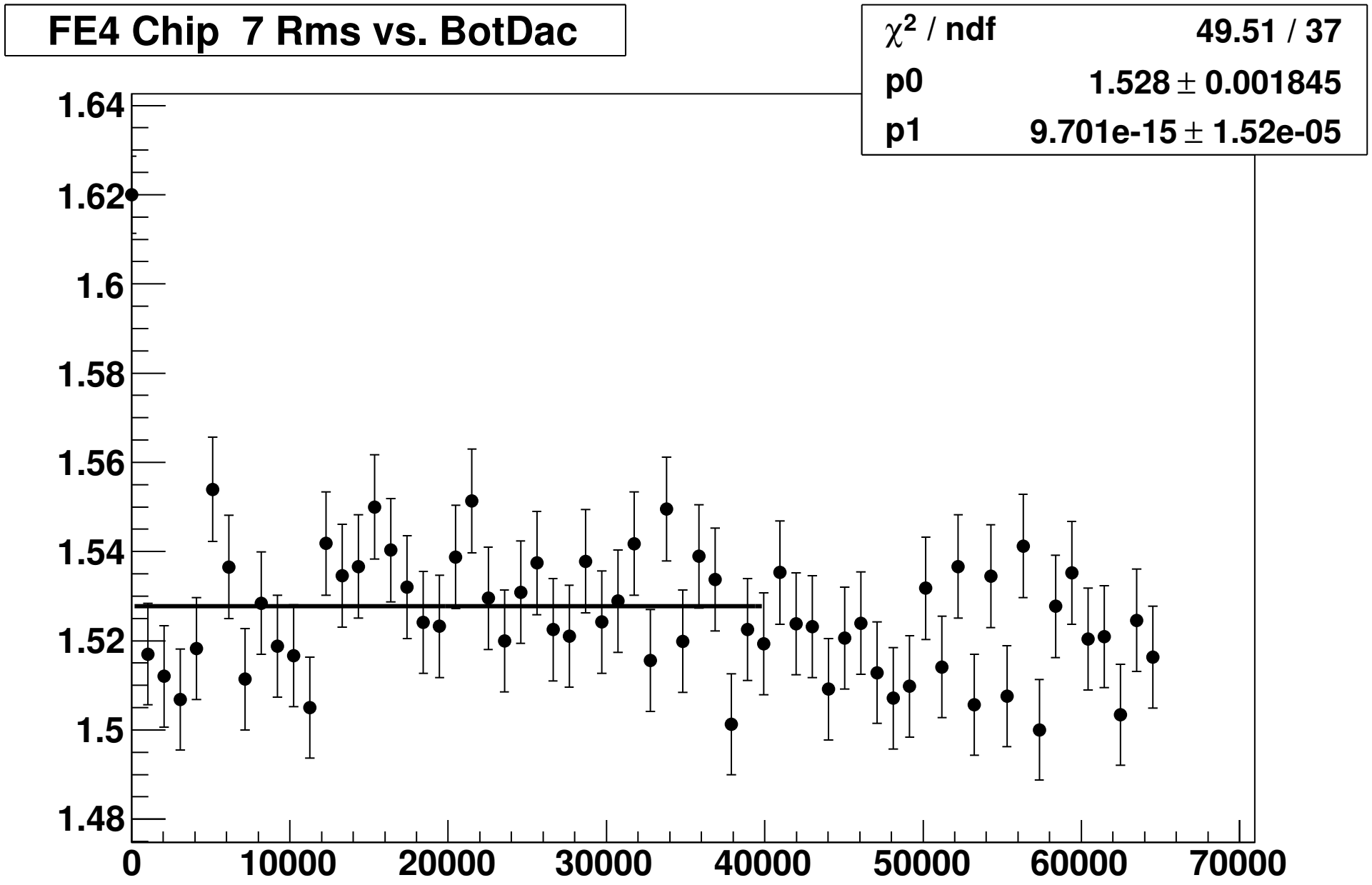

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 247.8 / 37
p0 80.13 ± 0.005276
p1 1.443e-06 ± 2.245e-07
80.4
80.35
80.3
80.25
80.2
80.15
80.1
80.05
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 49.51 / 37
p0 1.528 ± 0.001845
p1 9.701e-15 ± 1.52e-05
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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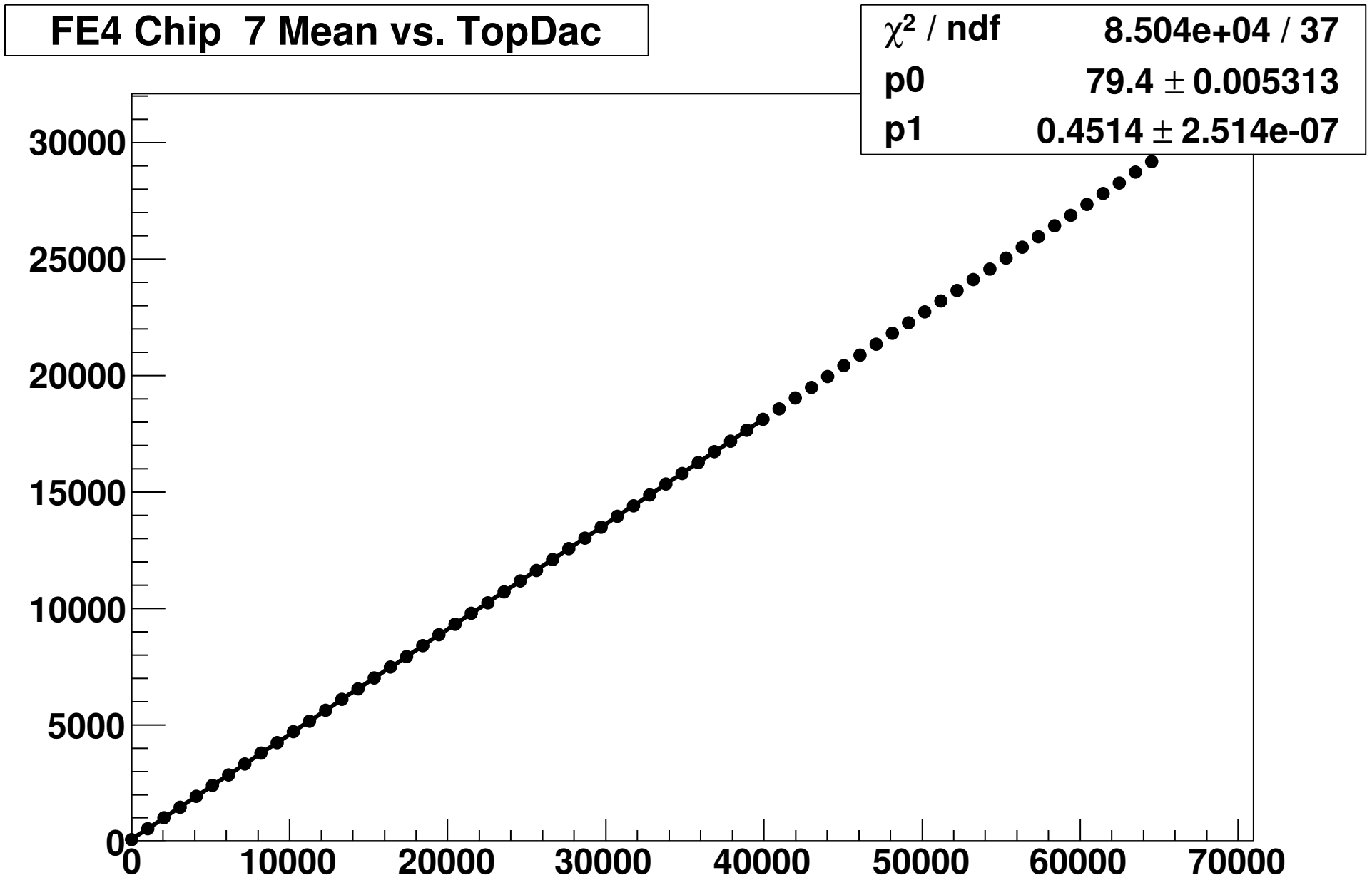
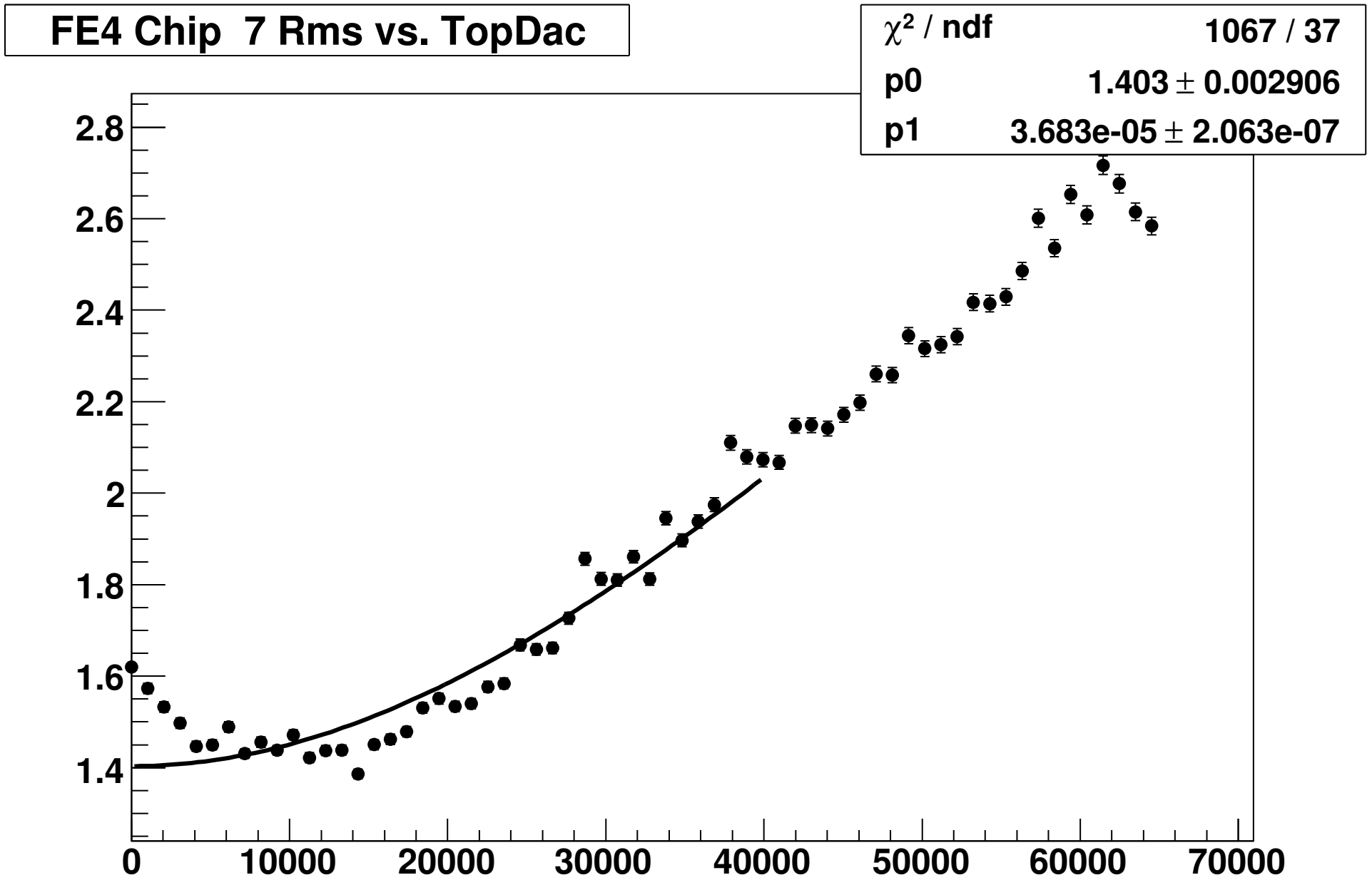

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 8.504e+04 / 37
p0 79.4 ± 0.005313
p1 0.4514 ± 2.514e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1067 / 37
p0 1.403 ± 0.002906
p1 3.683e-05 ± 2.063e-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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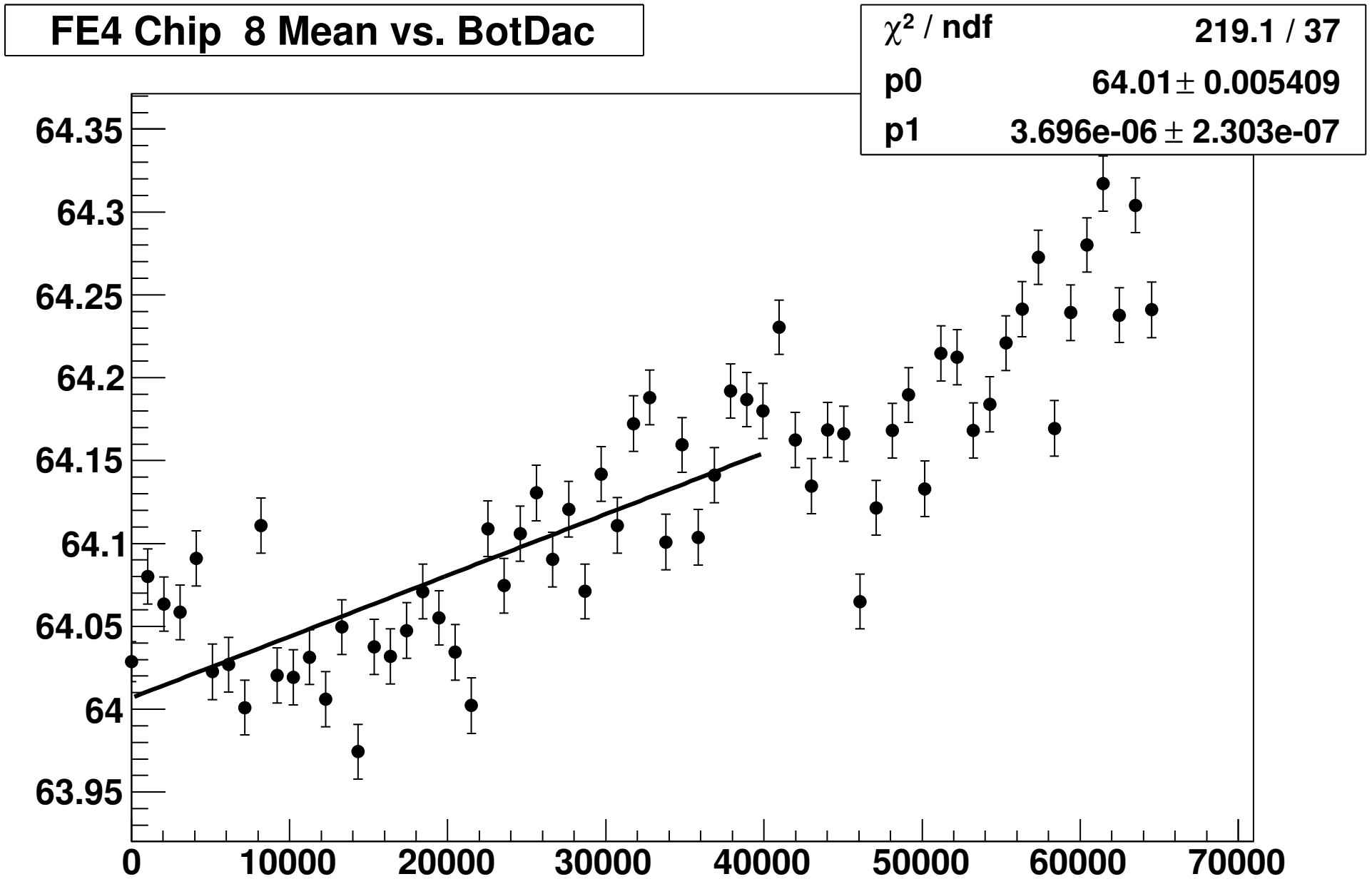
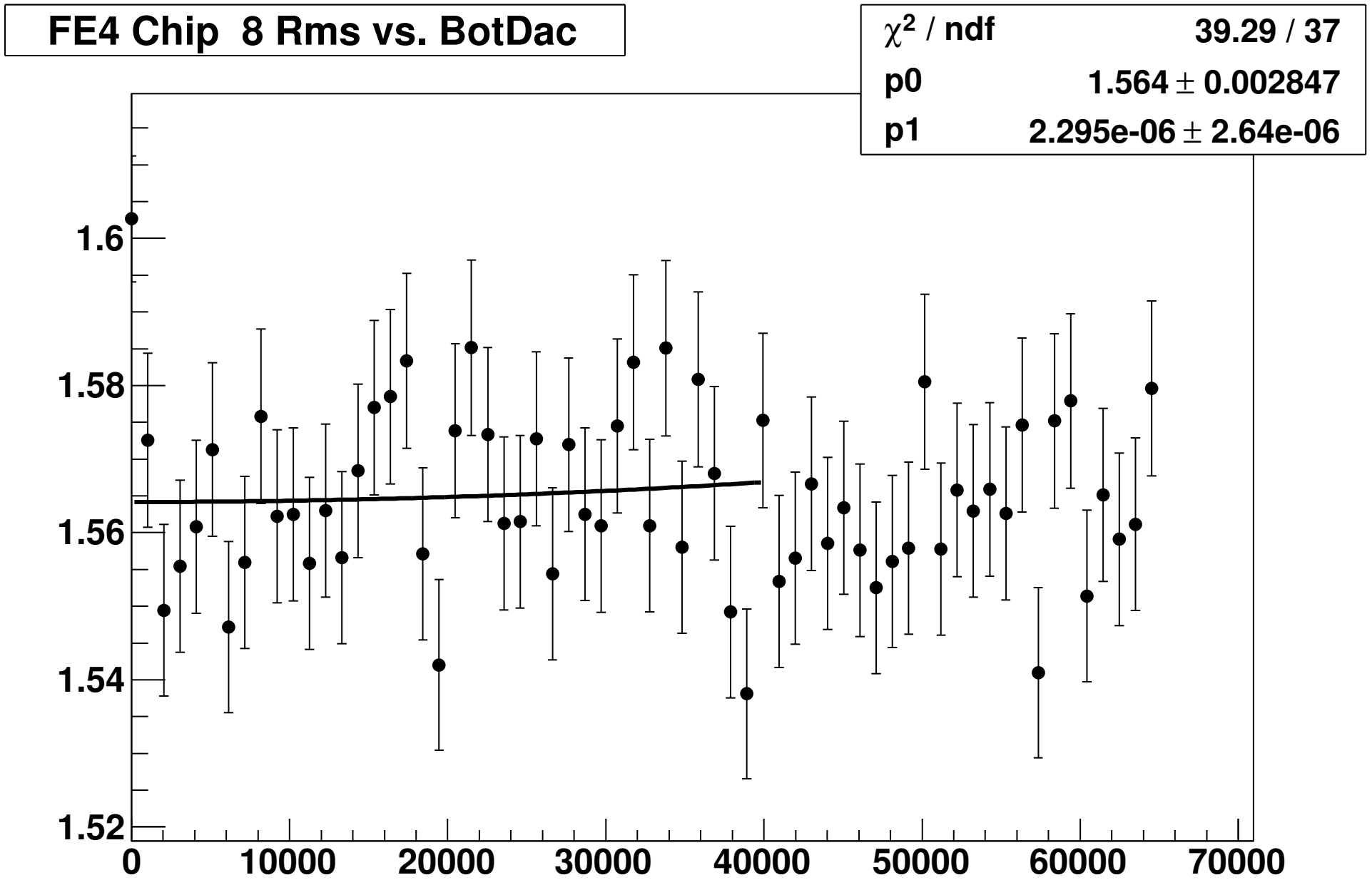

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 219.1 / 37
p0 64.01 ± 0.005409
p1 3.696e-06 ± 2.303e-07
64.35
64.3
64.25
64.2
64.15
64.1
64.05
64
63.95
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 39.29 / 37
p0 1.564 ± 0.002847
p1 2.295e-06 ± 2.64e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
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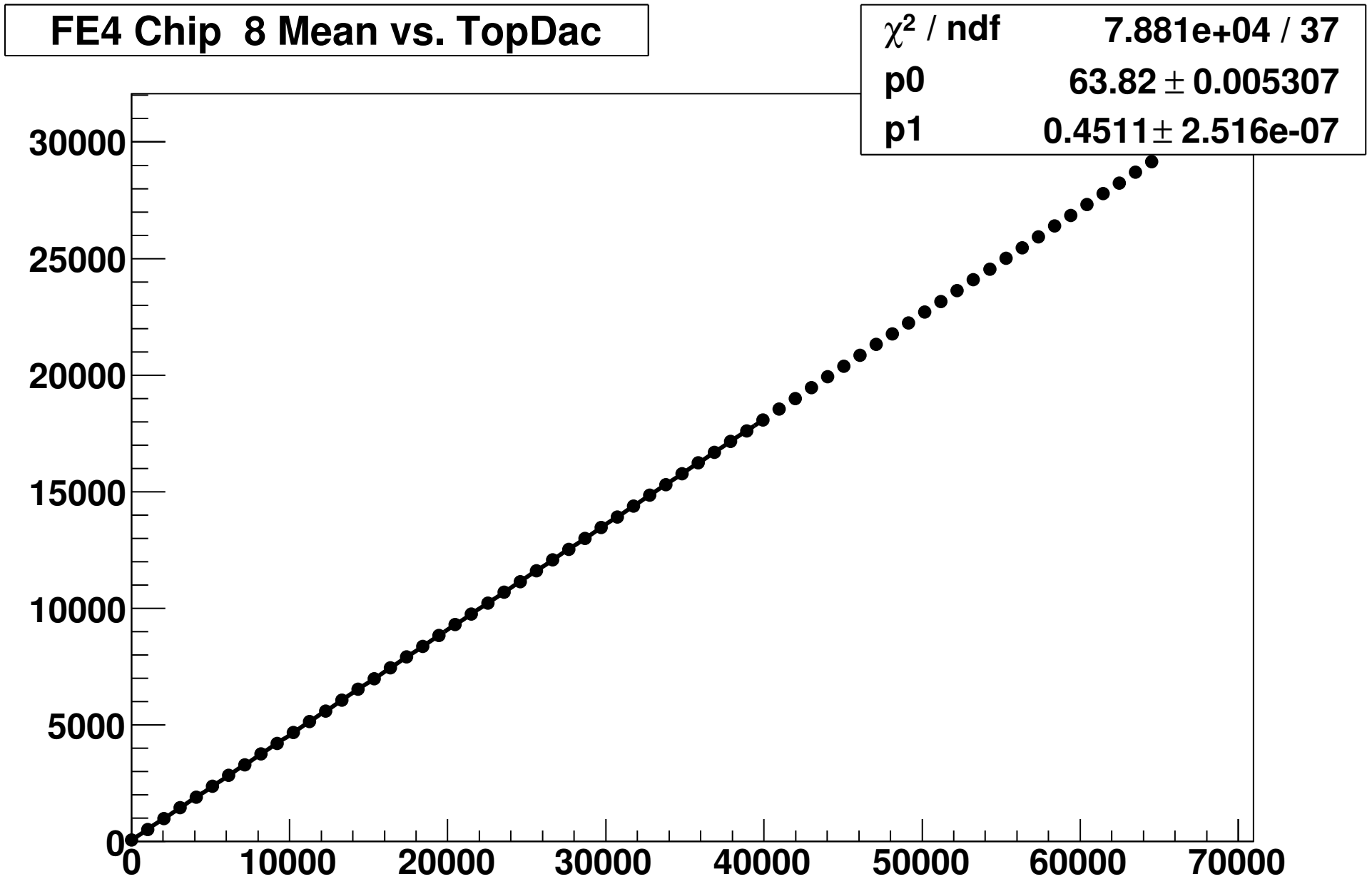
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 7.881e+04 / 37
p0 63.82 ± 0.005307
p1 0.4511 ± 2.516e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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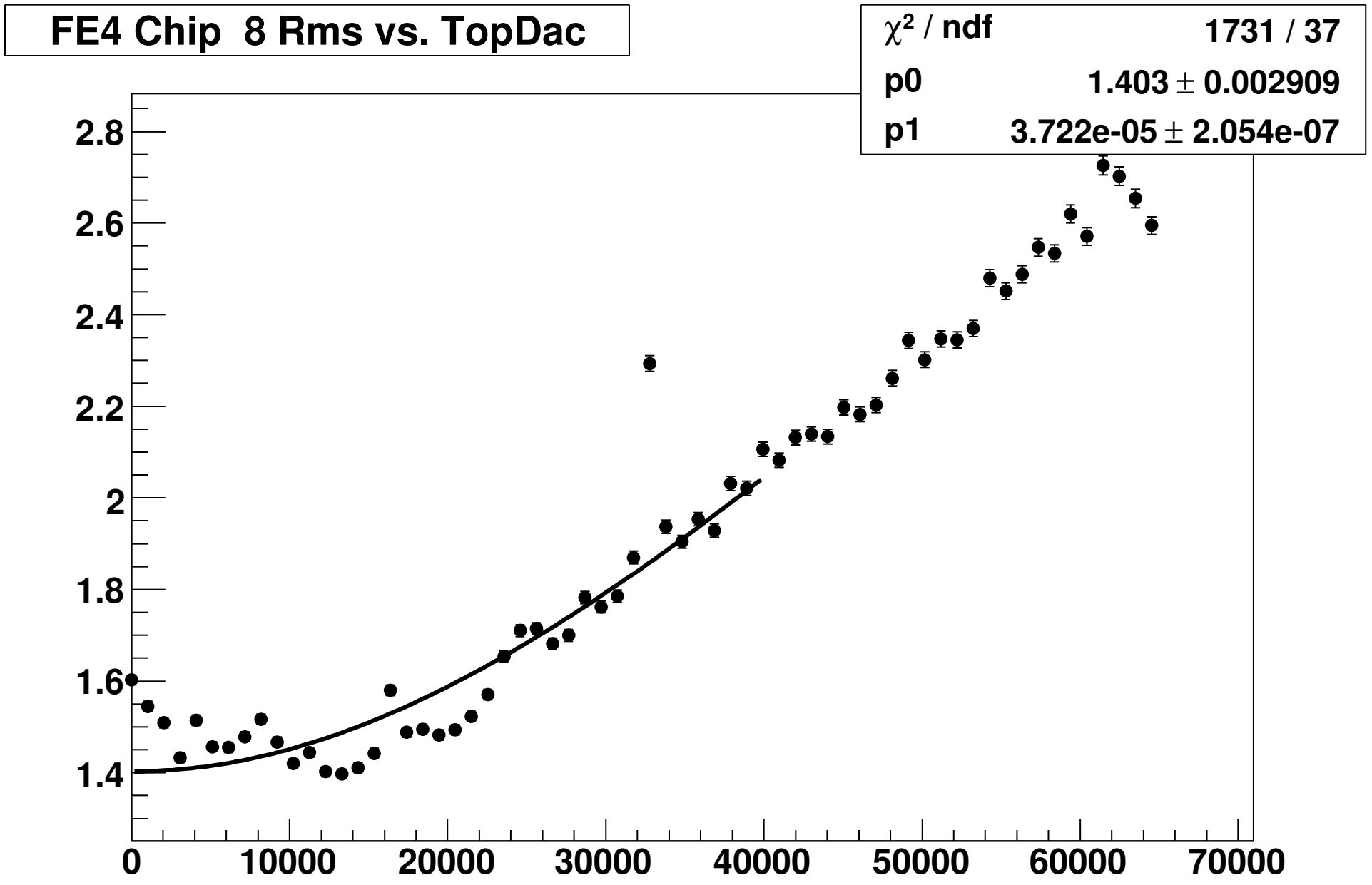
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 1731 / 37
p0 1.403 ± 0.002909
p1 3.722e-05 ± 2.054e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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40000
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60000
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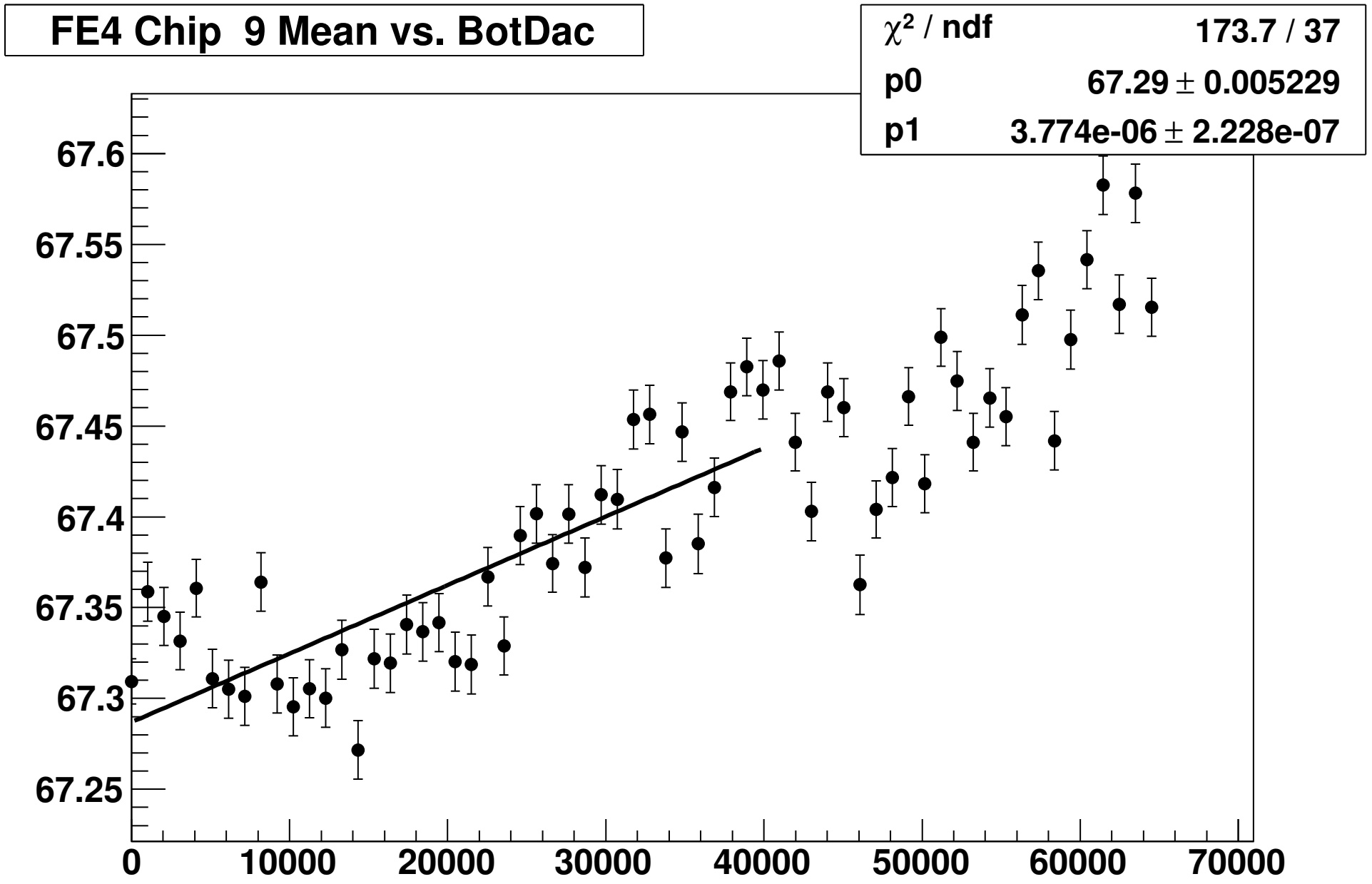
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 173.7 / 37
p0 67.29 ± 0.005229
p1 3.774e-06 ± 2.228e-07
67.6
67.55
67.5
67.45
67.4
67.35
67.3
67.25
0
10000
20000
30000
40000
50000
60000
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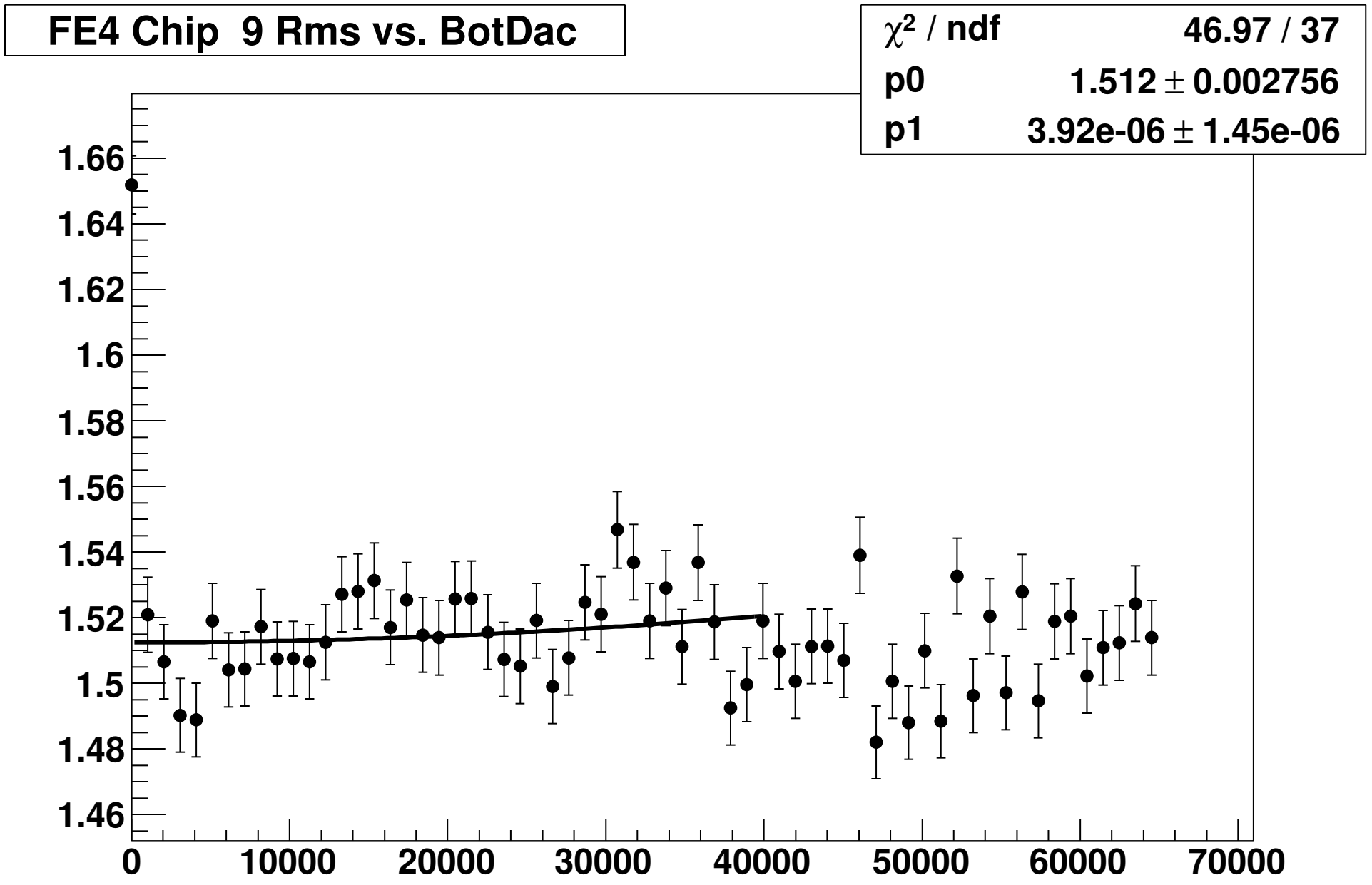
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 46.97 / 37
p0 1.512 ± 0.002756
p1 3.92e-06 ± 1.45e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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20000
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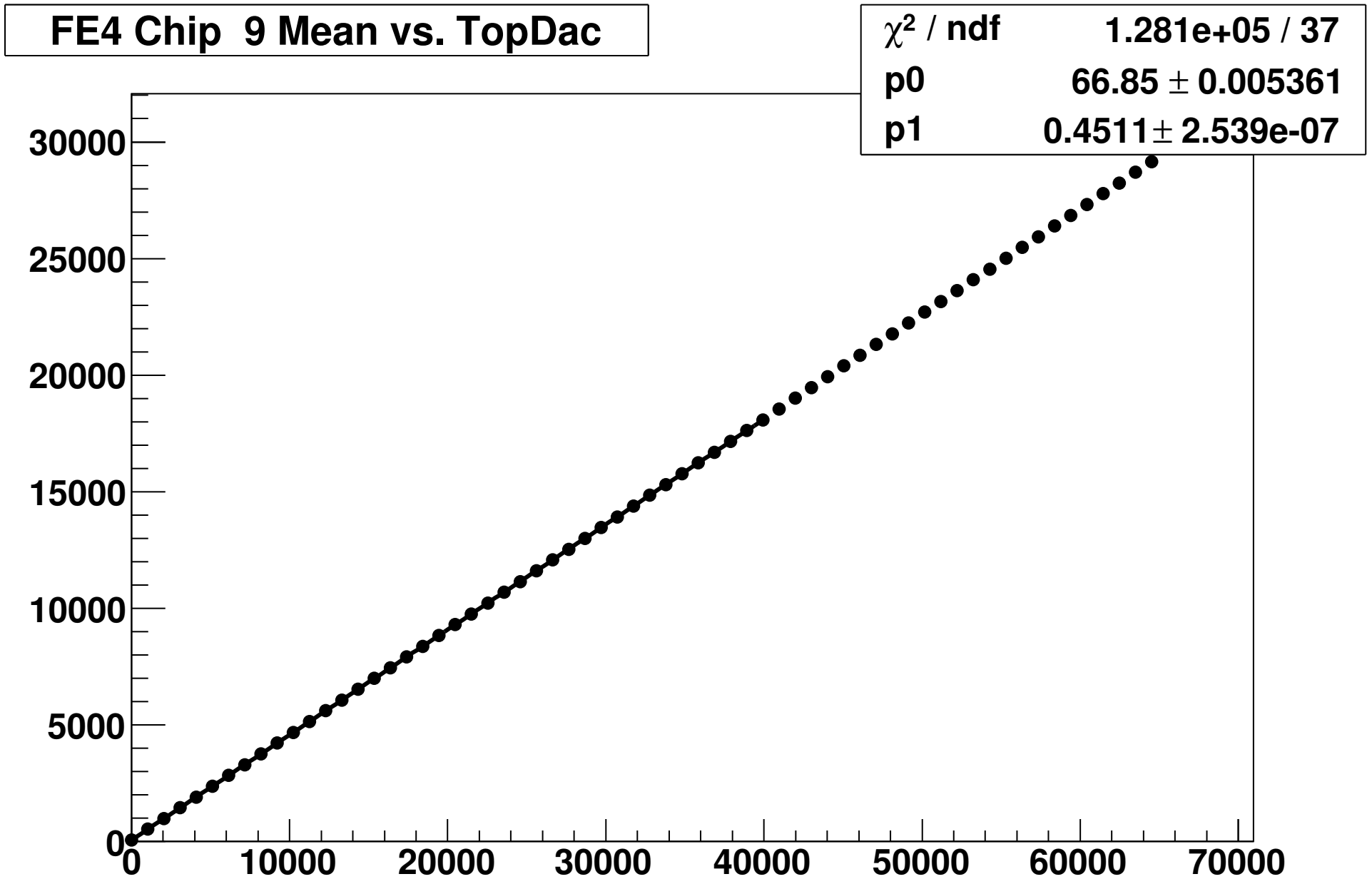
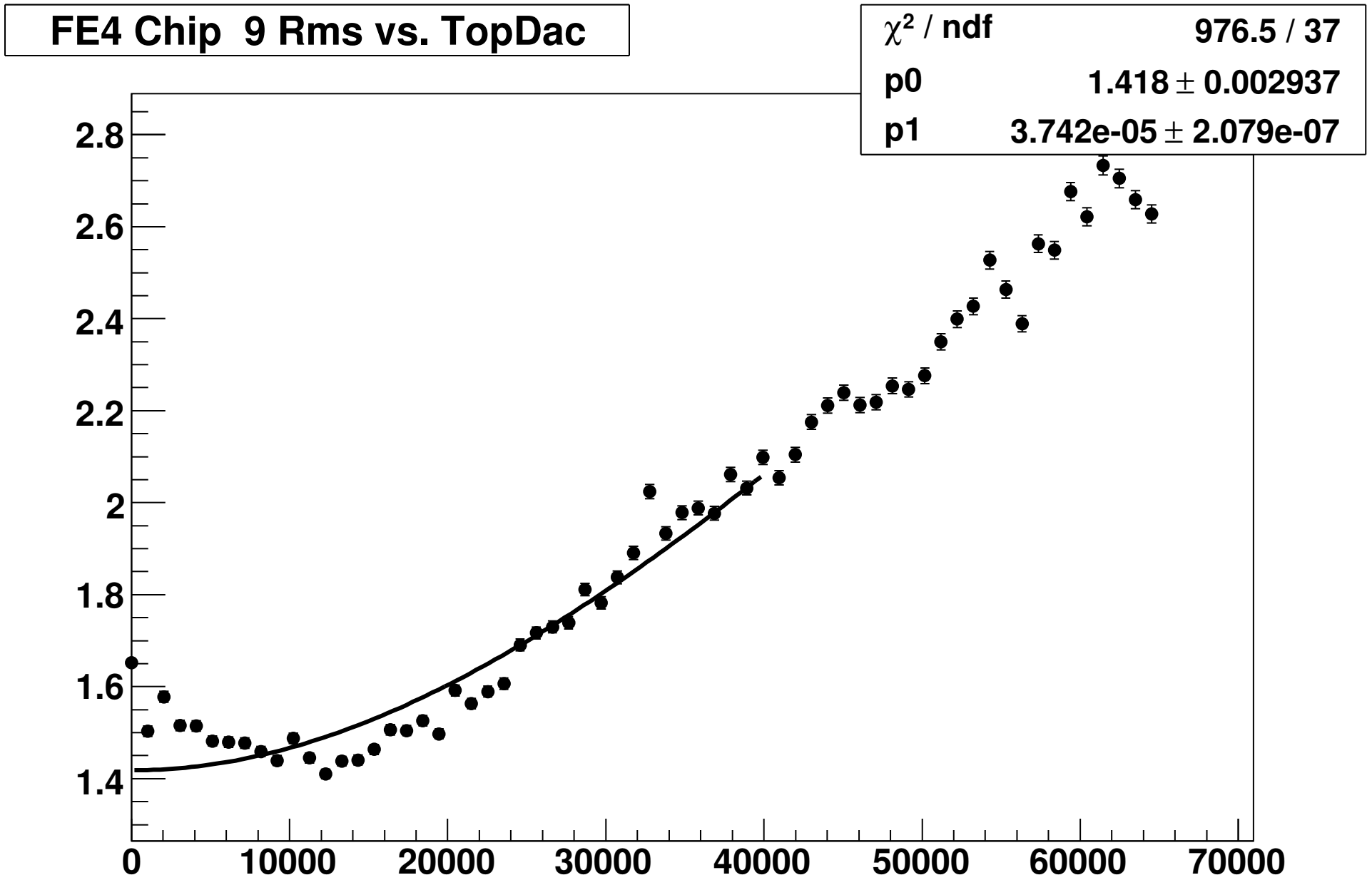

FE4 Chip 9 Mean vs. TopDac
χ² / ndf 1.281e+05 / 37
p0 66.85 ± 0.005361
p1 0.4511 ± 2.539e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 976.5 / 37
p0 1.418 ± 0.002937
p1 3.742e-05 ± 2.079e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
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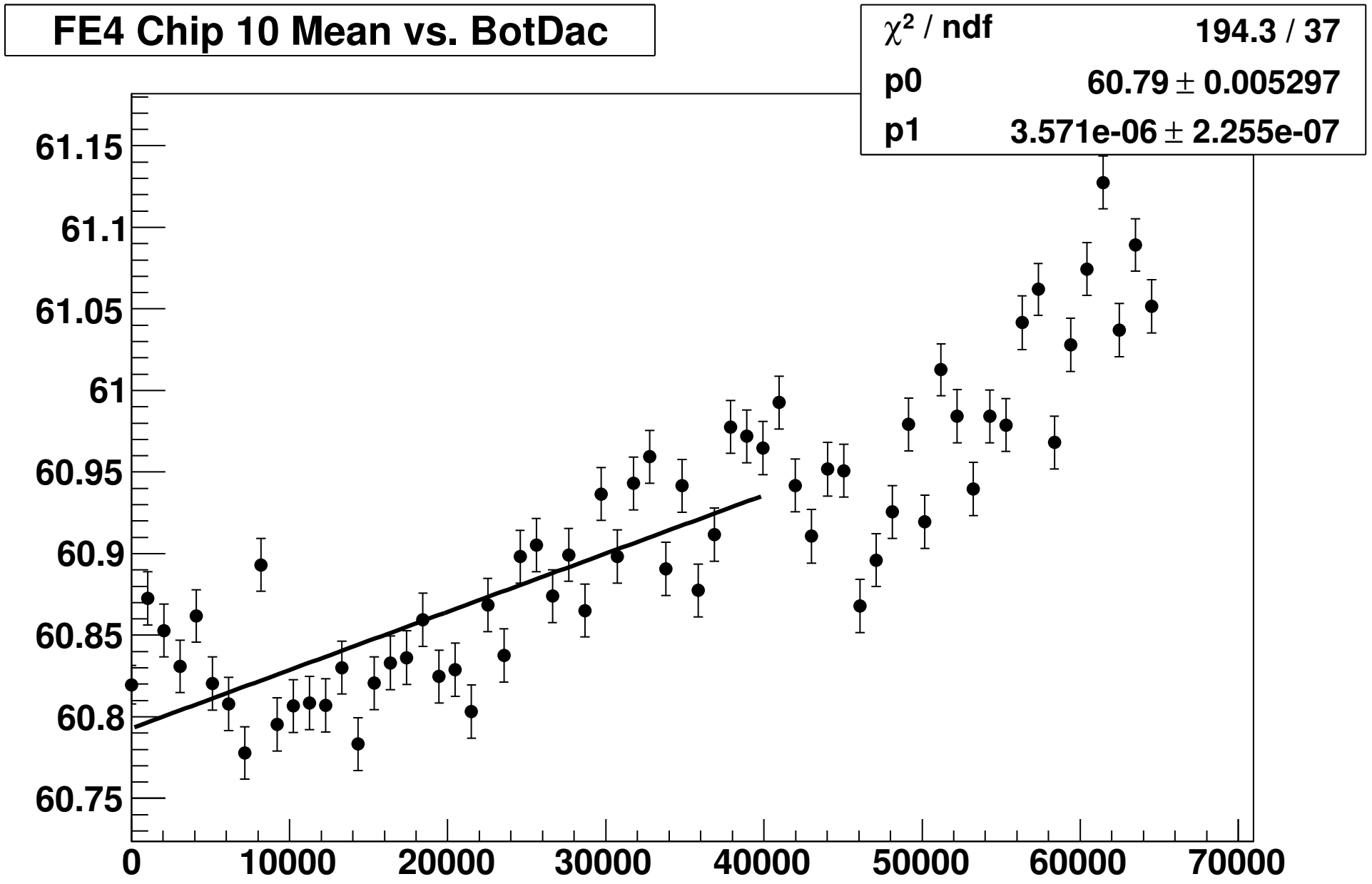
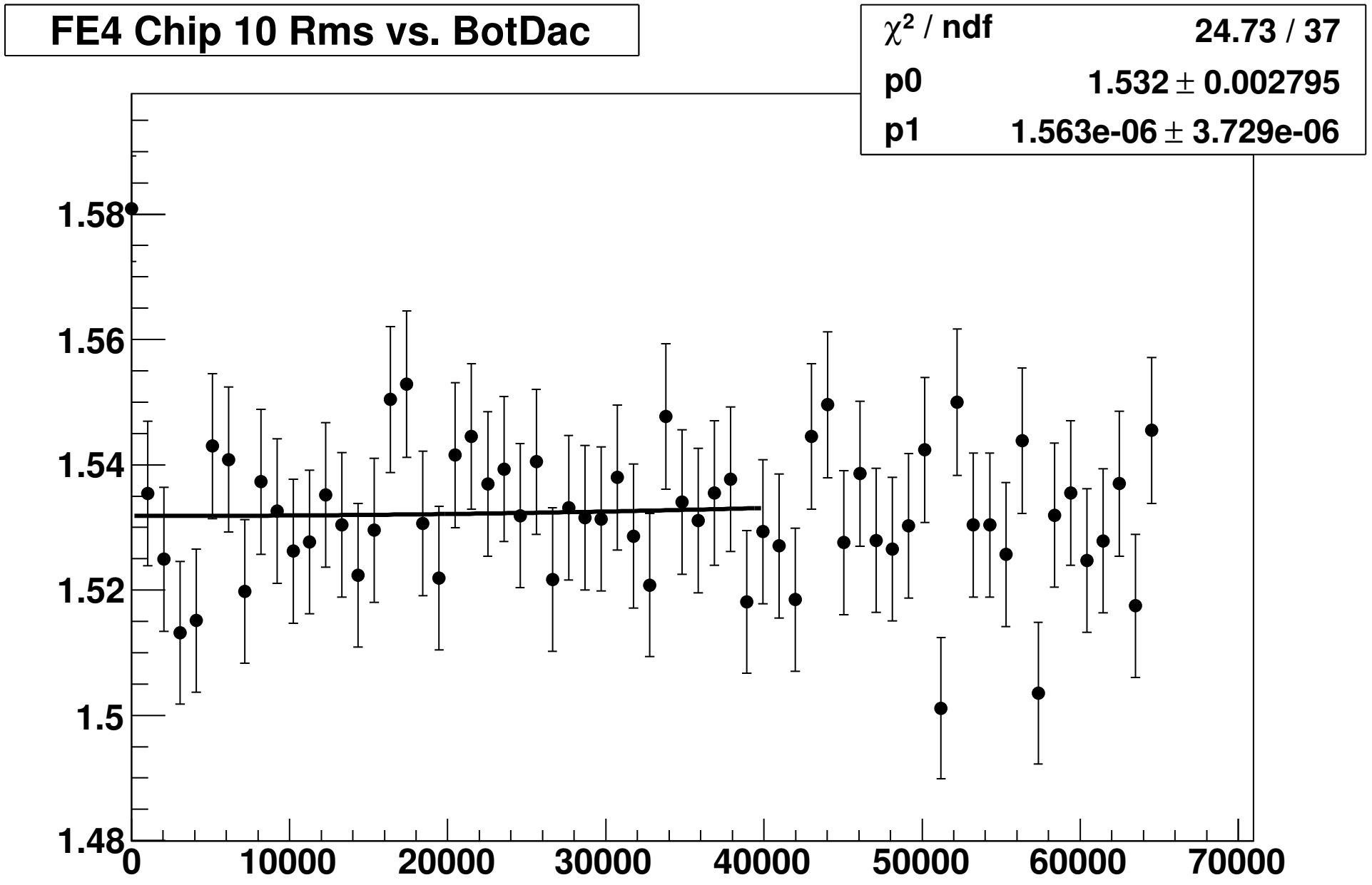
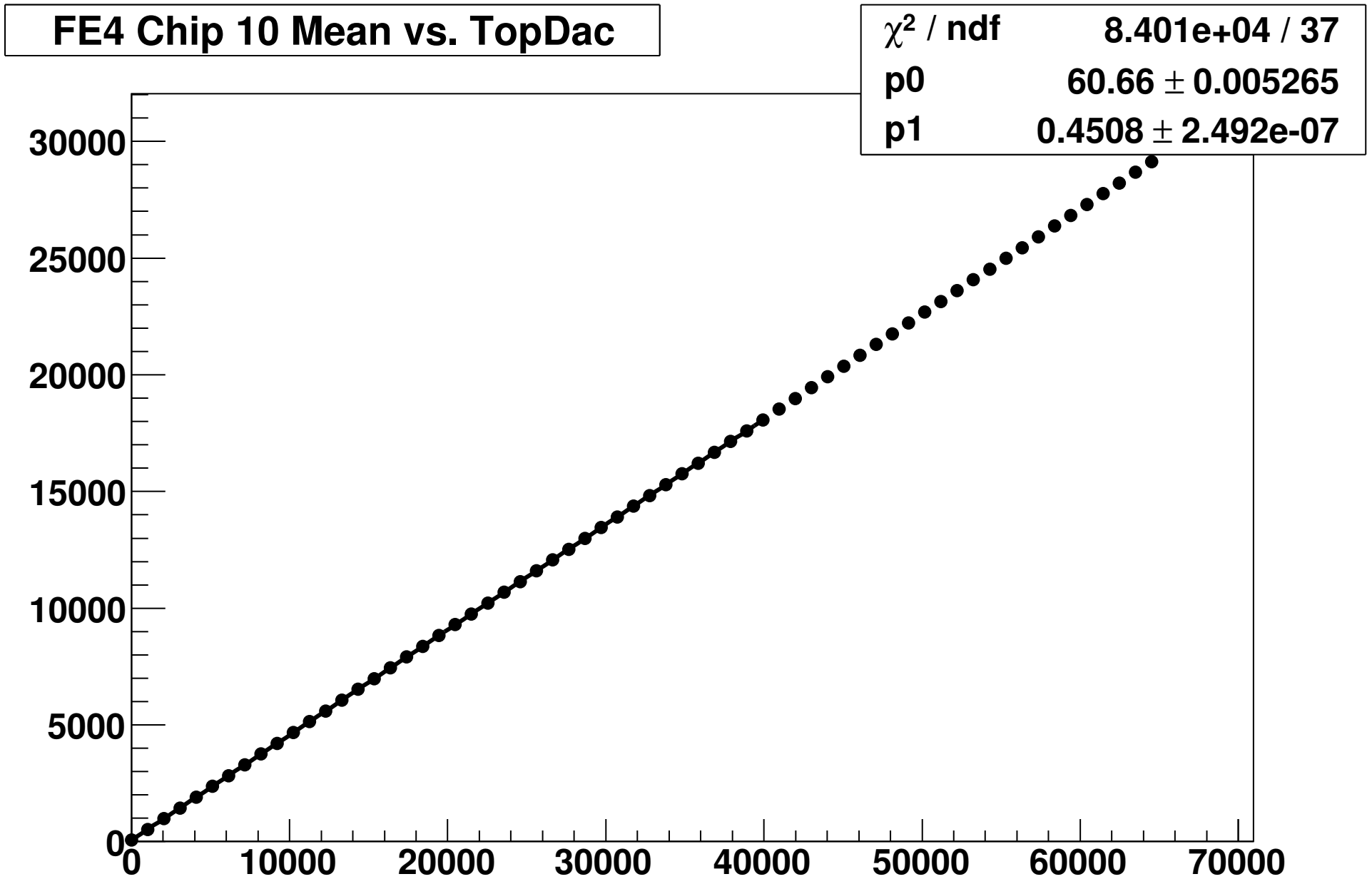

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 194.3 / 37
p0 60.79 ± 0.005297
p1 3.571e-06 ± 2.255e-07
61.15
61.1
61.05
61
60.95
60.9
60.85
60.8
60.75
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 24.73 / 37
p0 1.532 ± 0.002795
p1 1.563e-06 ± 3.729e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 8.401e+04 / 37
p0 60.66 ± 0.005265
p1 0.4508 ± 2.492e-07
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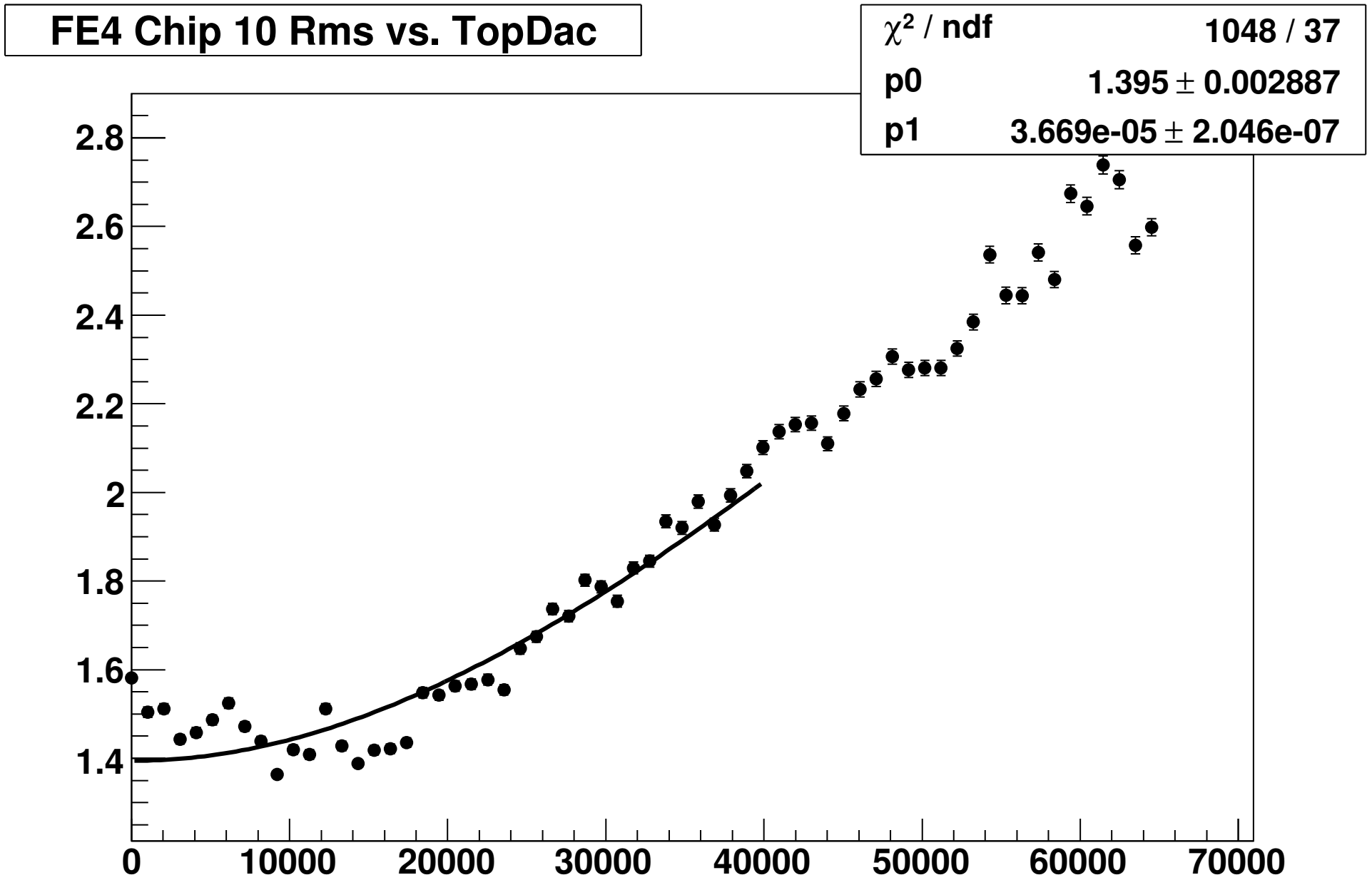
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1048 / 37
p0 1.395 ± 0.002887
p1 3.669e-05 ± 2.046e-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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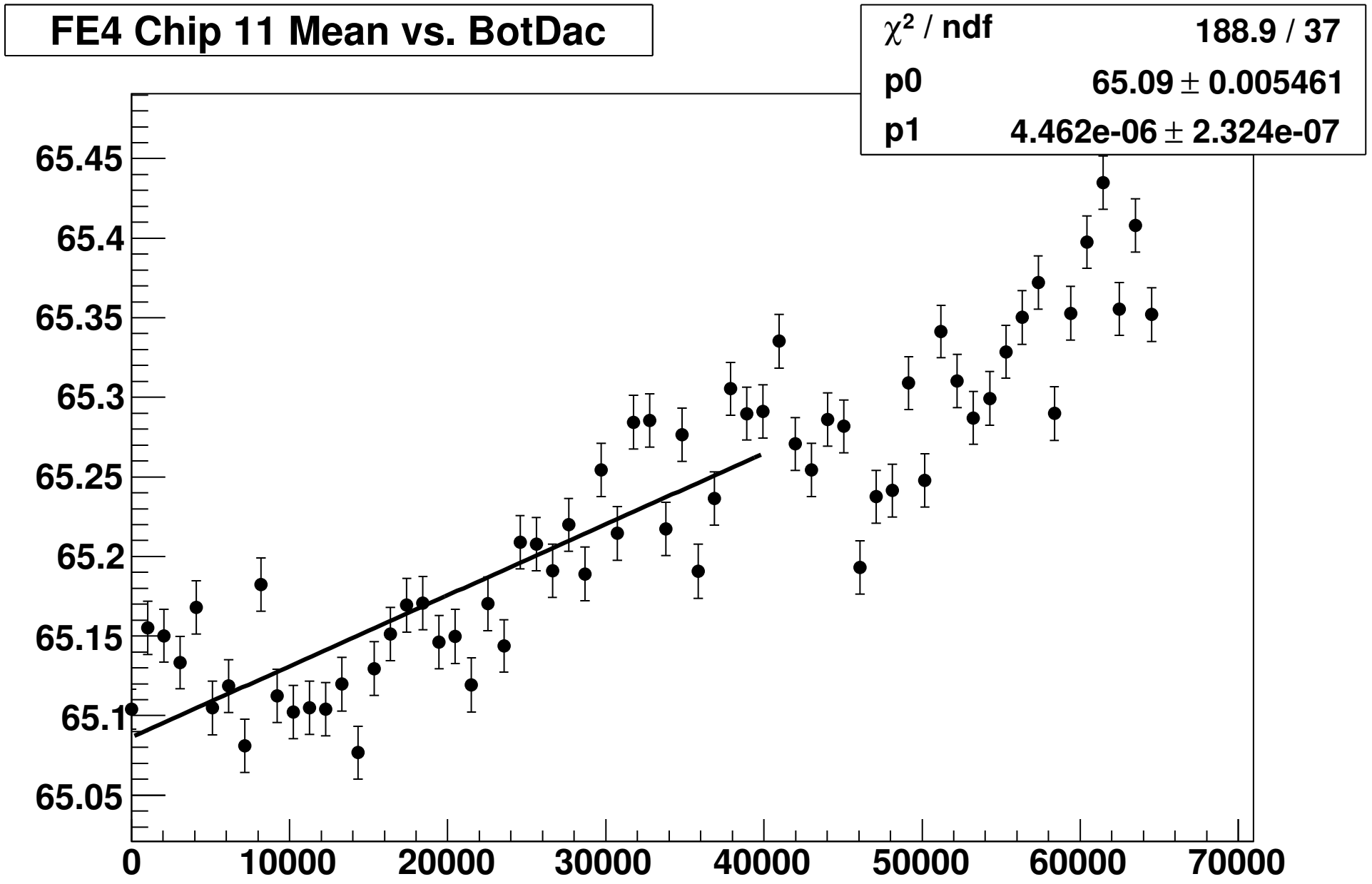
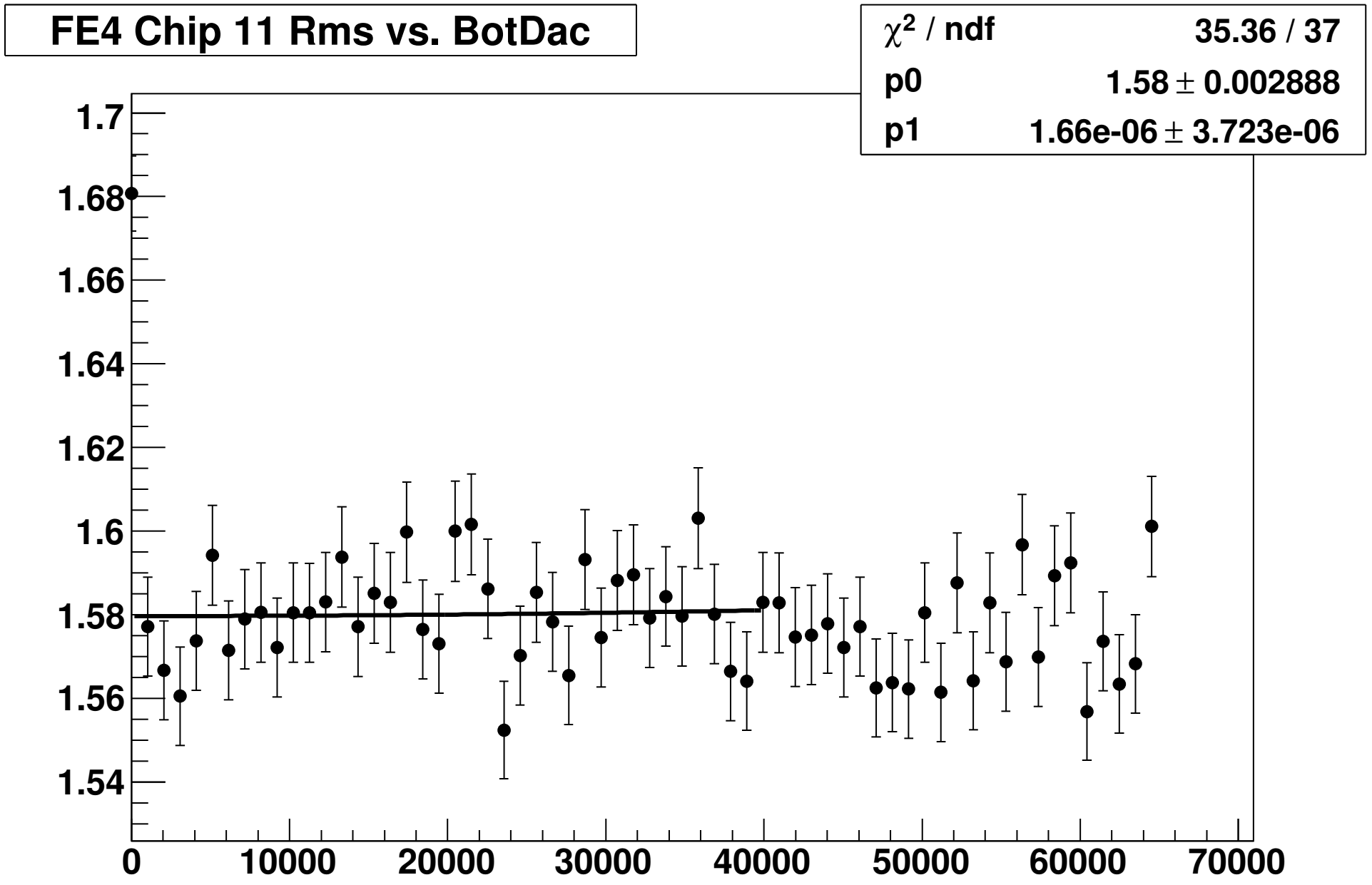
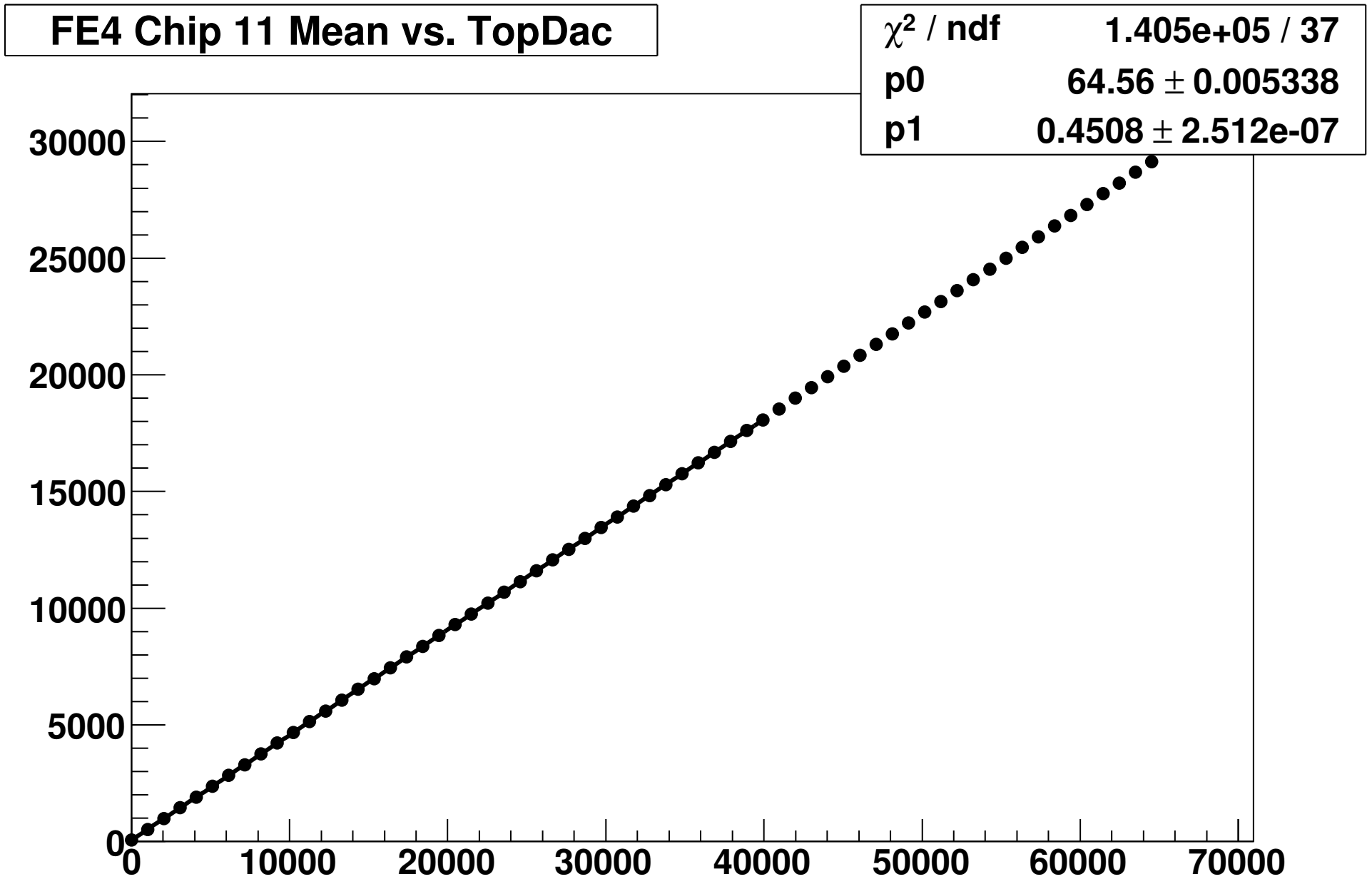
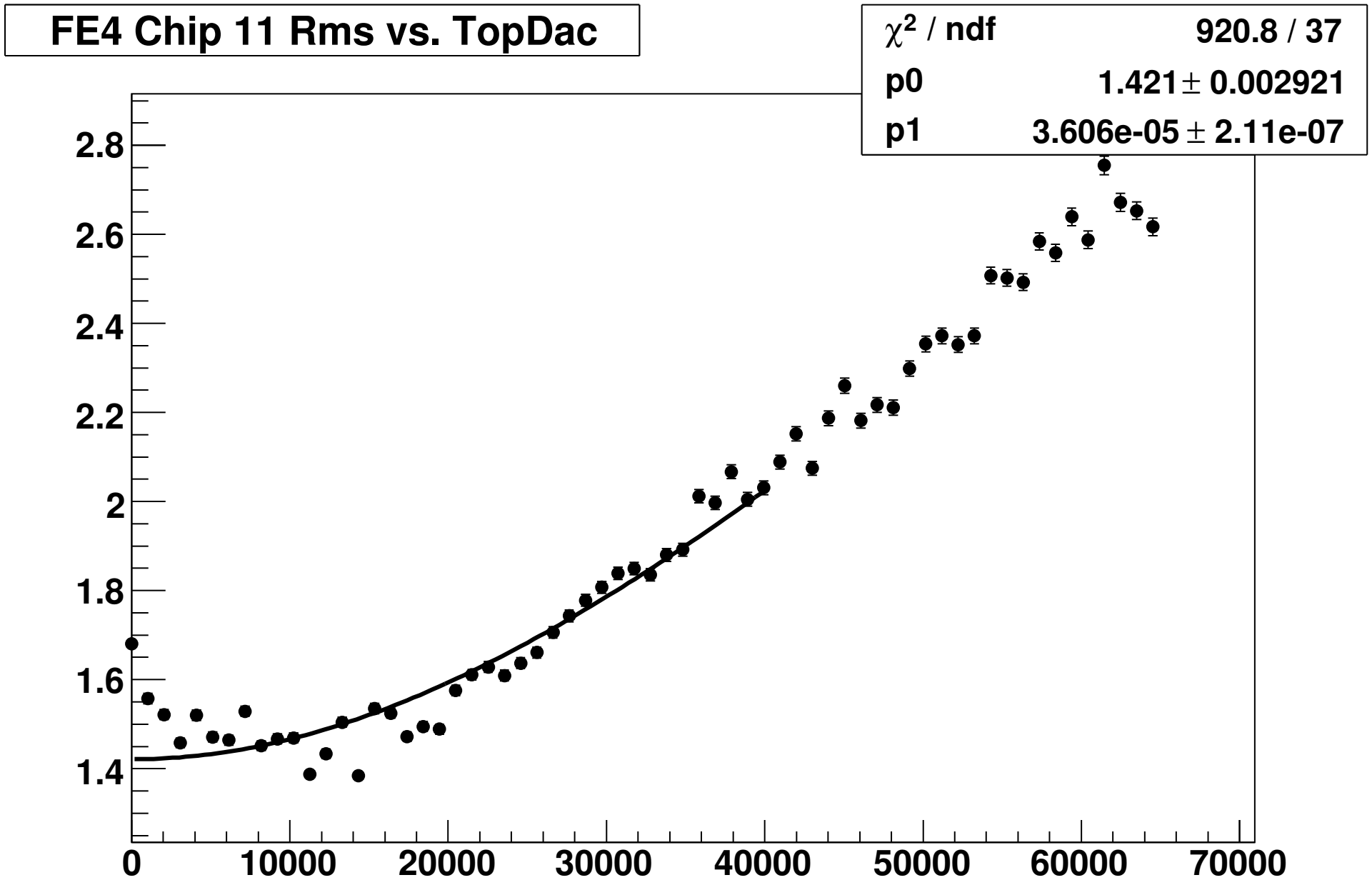

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 188.9 / 37
p0 65.09 ± 0.005461
p1 4.462e-06 ± 2.324e-07
65.45
65.4
65.35
65.3
65.25
65.2
65.15
65.1
65.05
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 35.36 / 37
p0 1.58 ± 0.002888
p1 1.66e-06 ± 3.723e-06
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 1.405e+05 / 37
p0 64.56 ± 0.005338
p1 0.4508 ± 2.512e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 920.8 / 37
p0 1.421 ± 0.002921
p1 3.606e-05 ± 2.11e-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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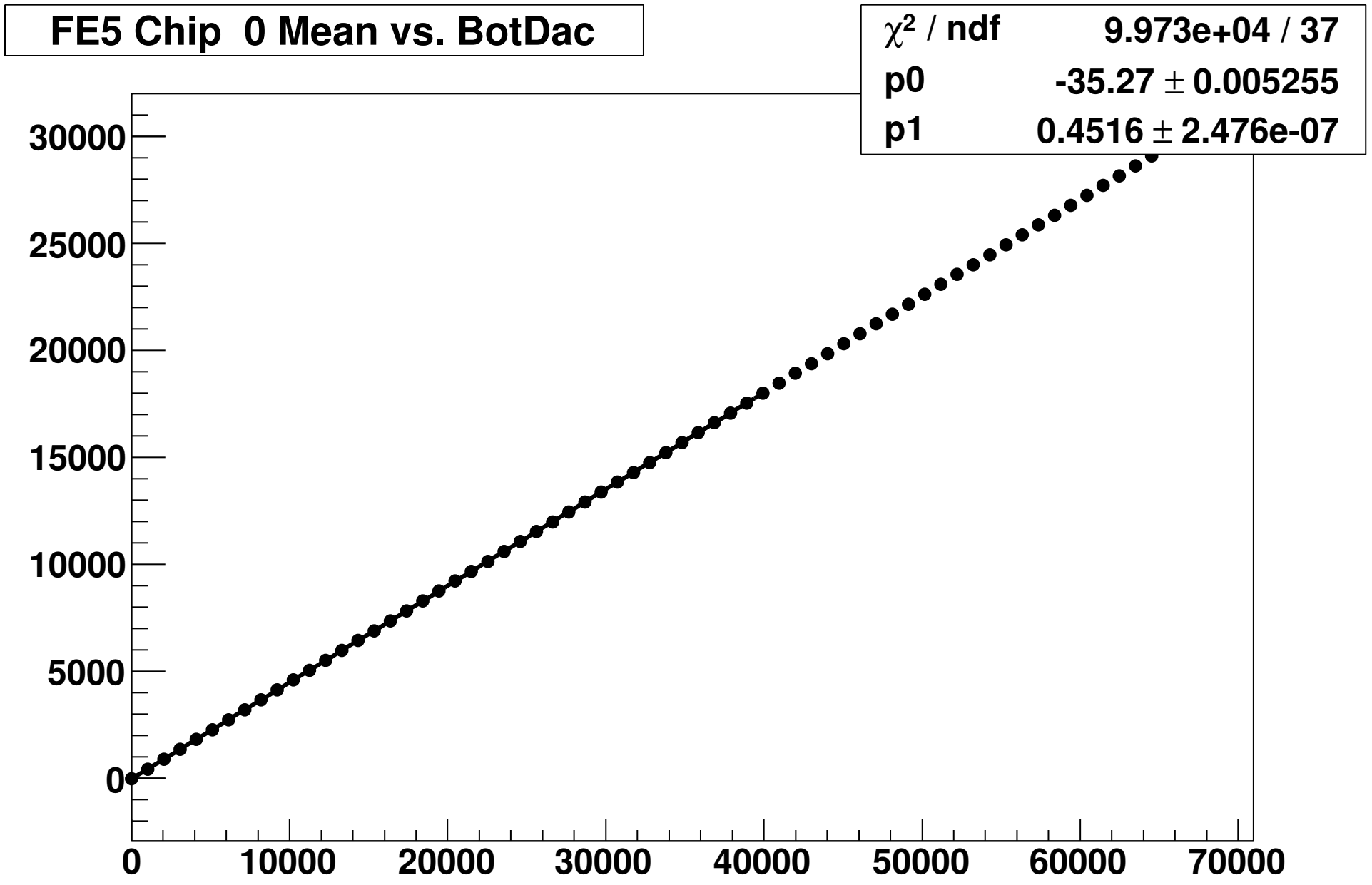
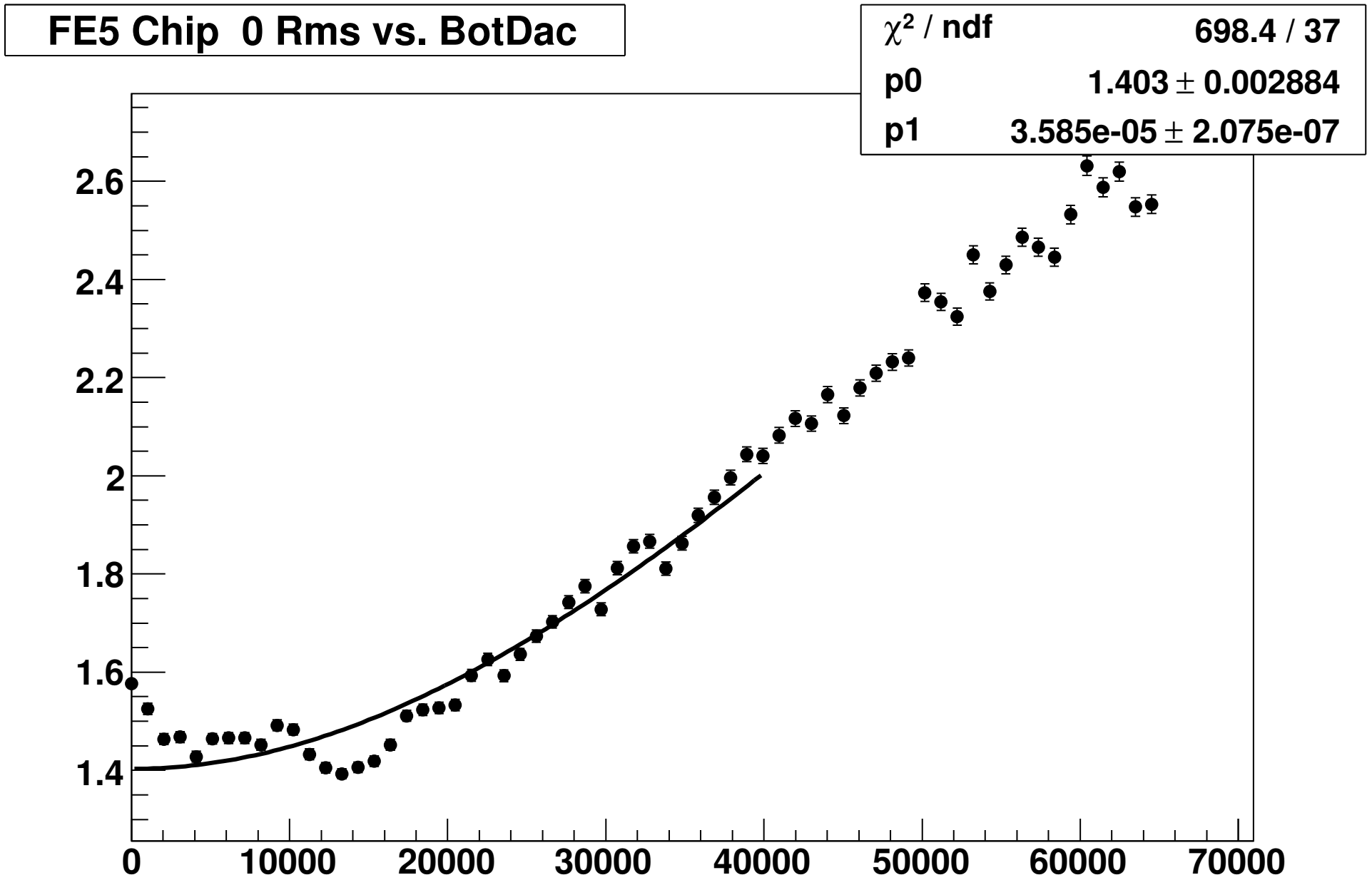
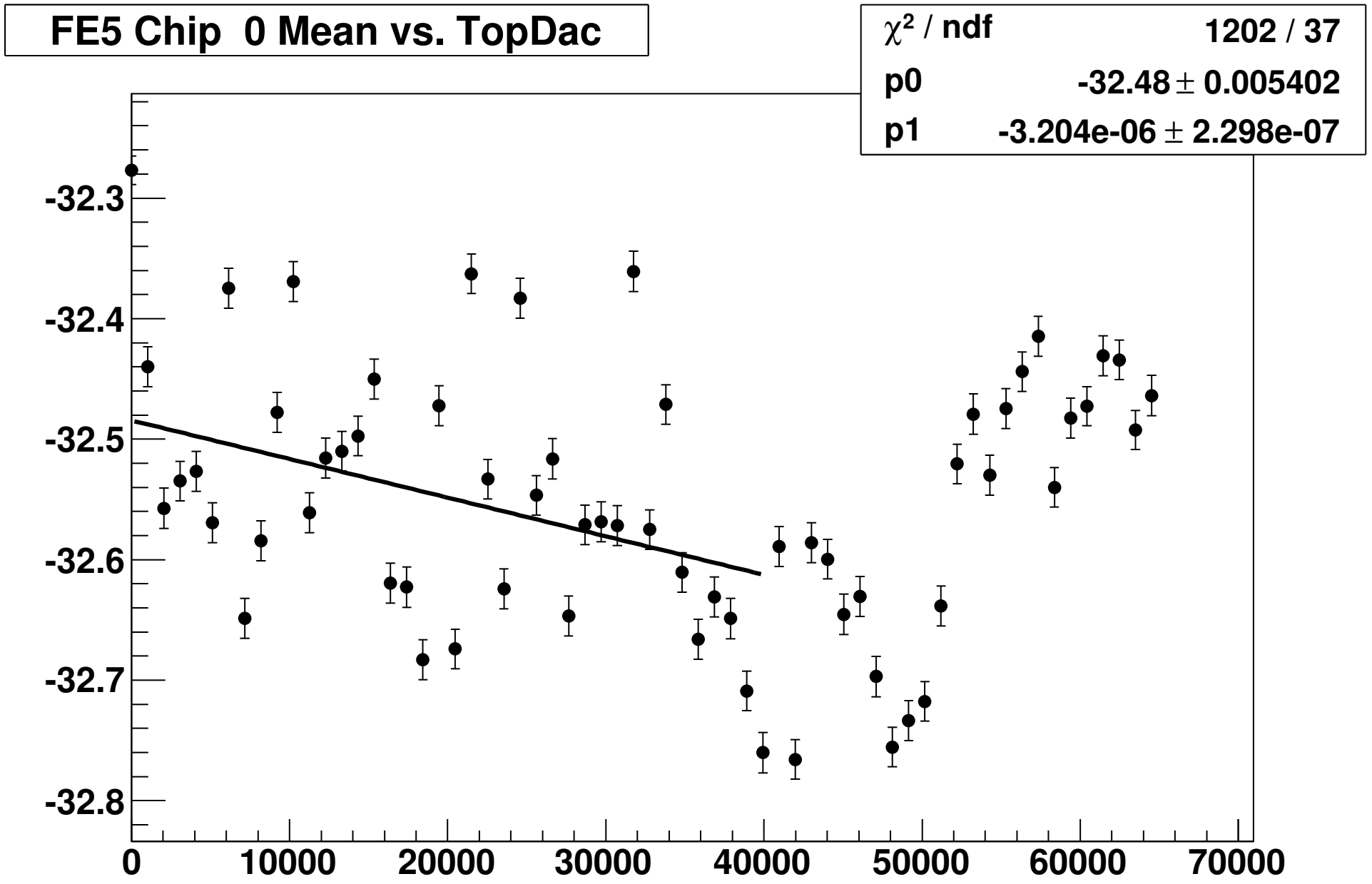
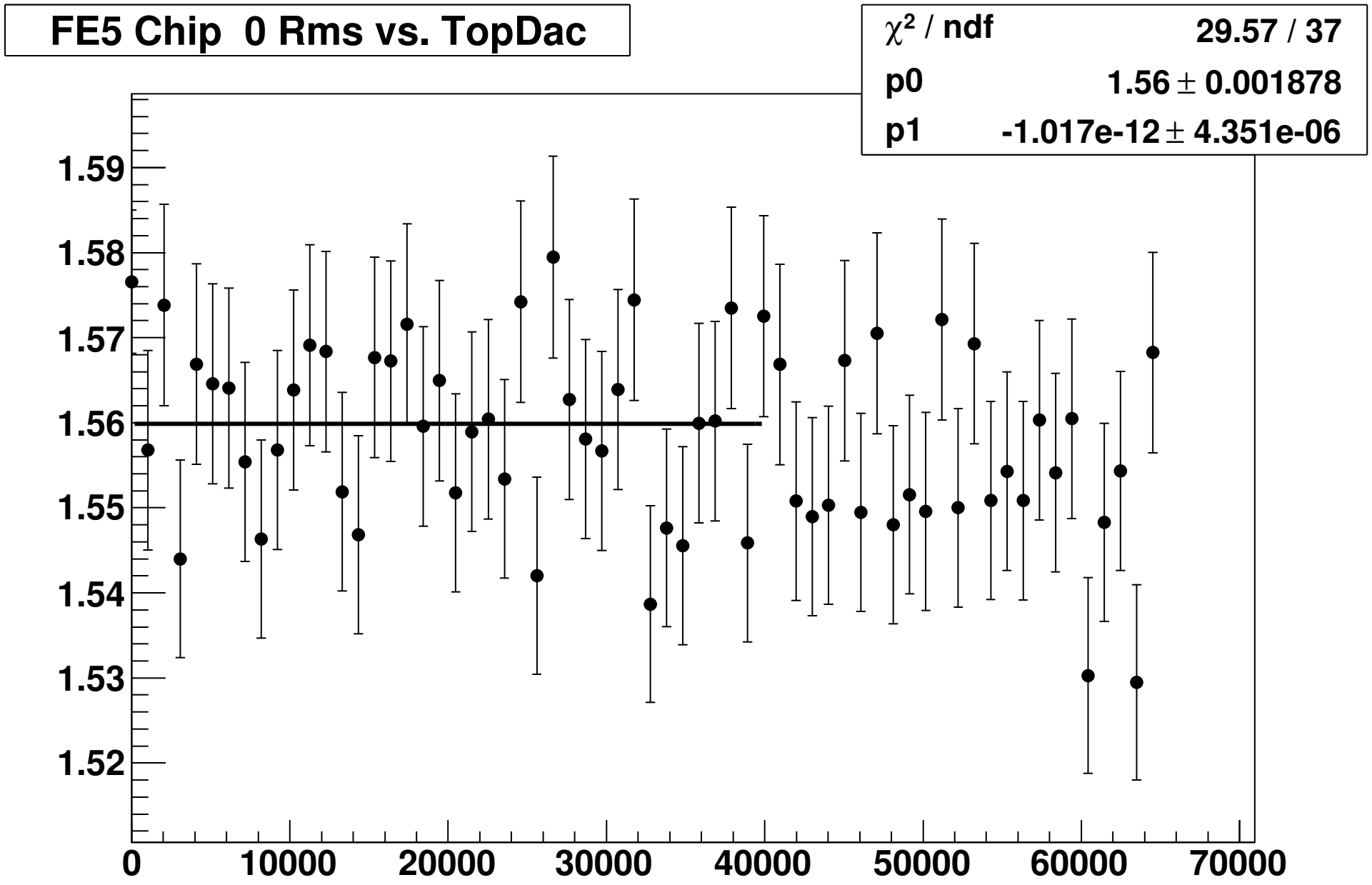
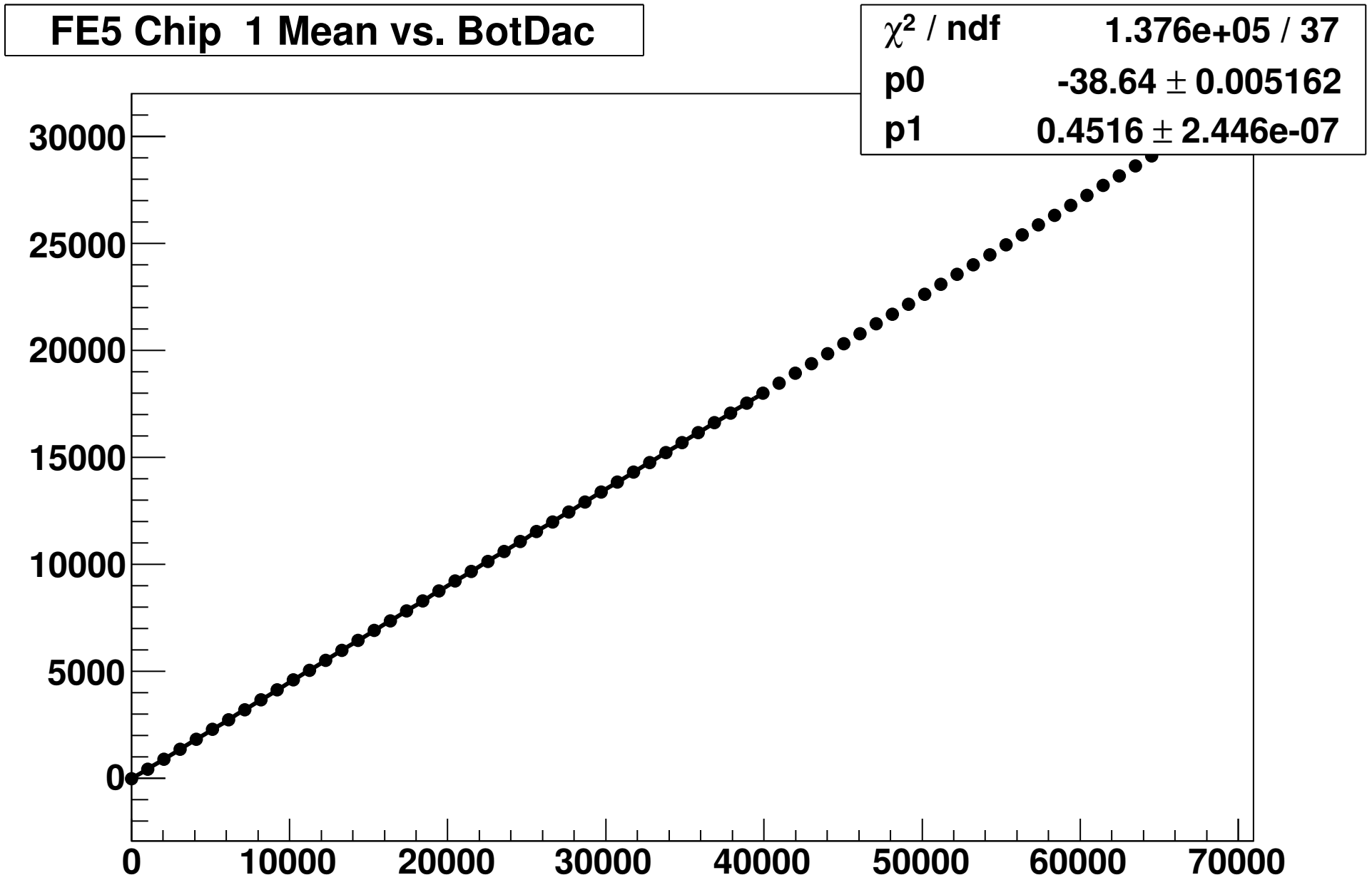
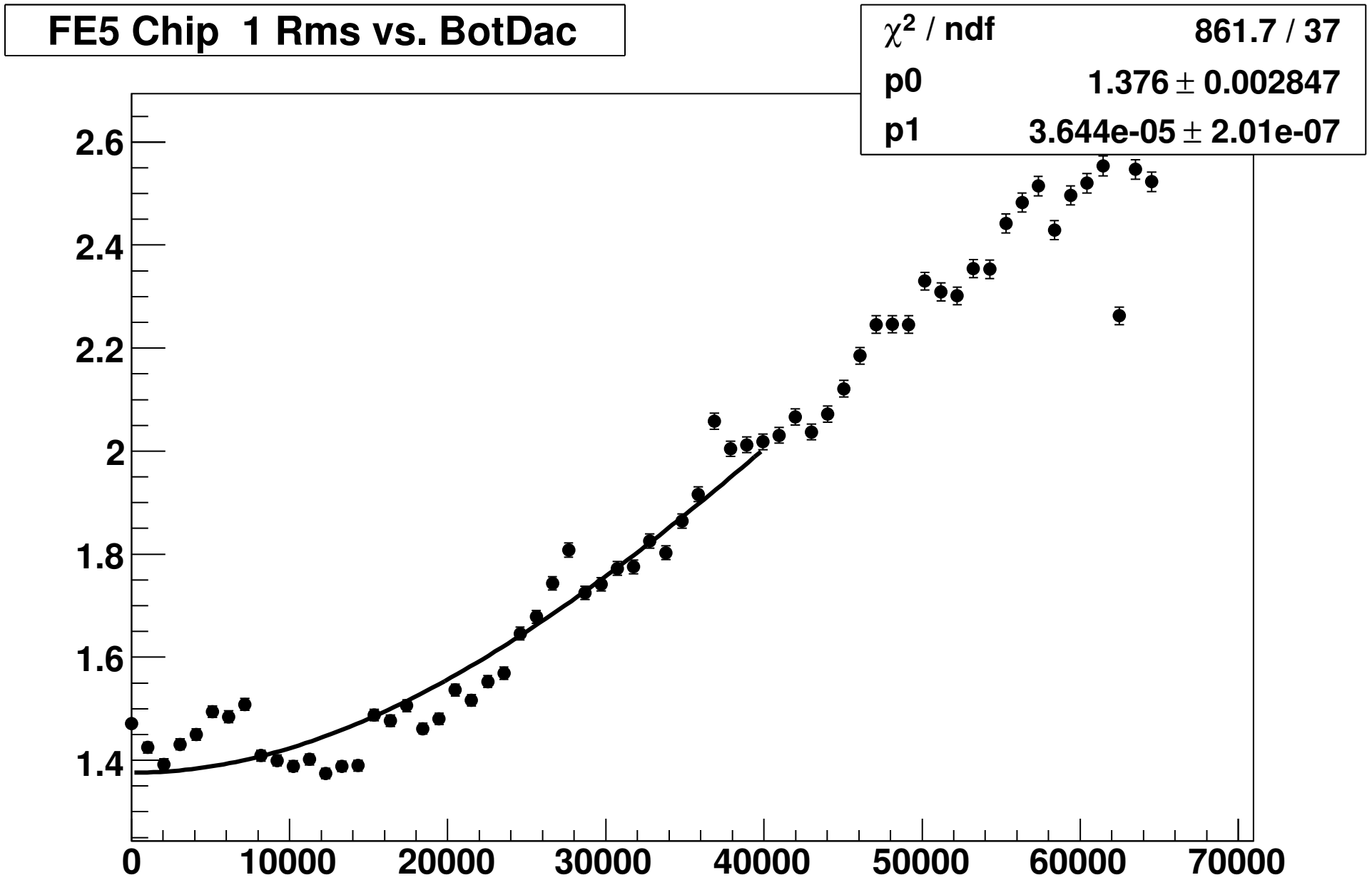

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 9.973e+04 / 37
p0 -35.27 ± 0.005255
p1 0.4516 ± 2.476e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

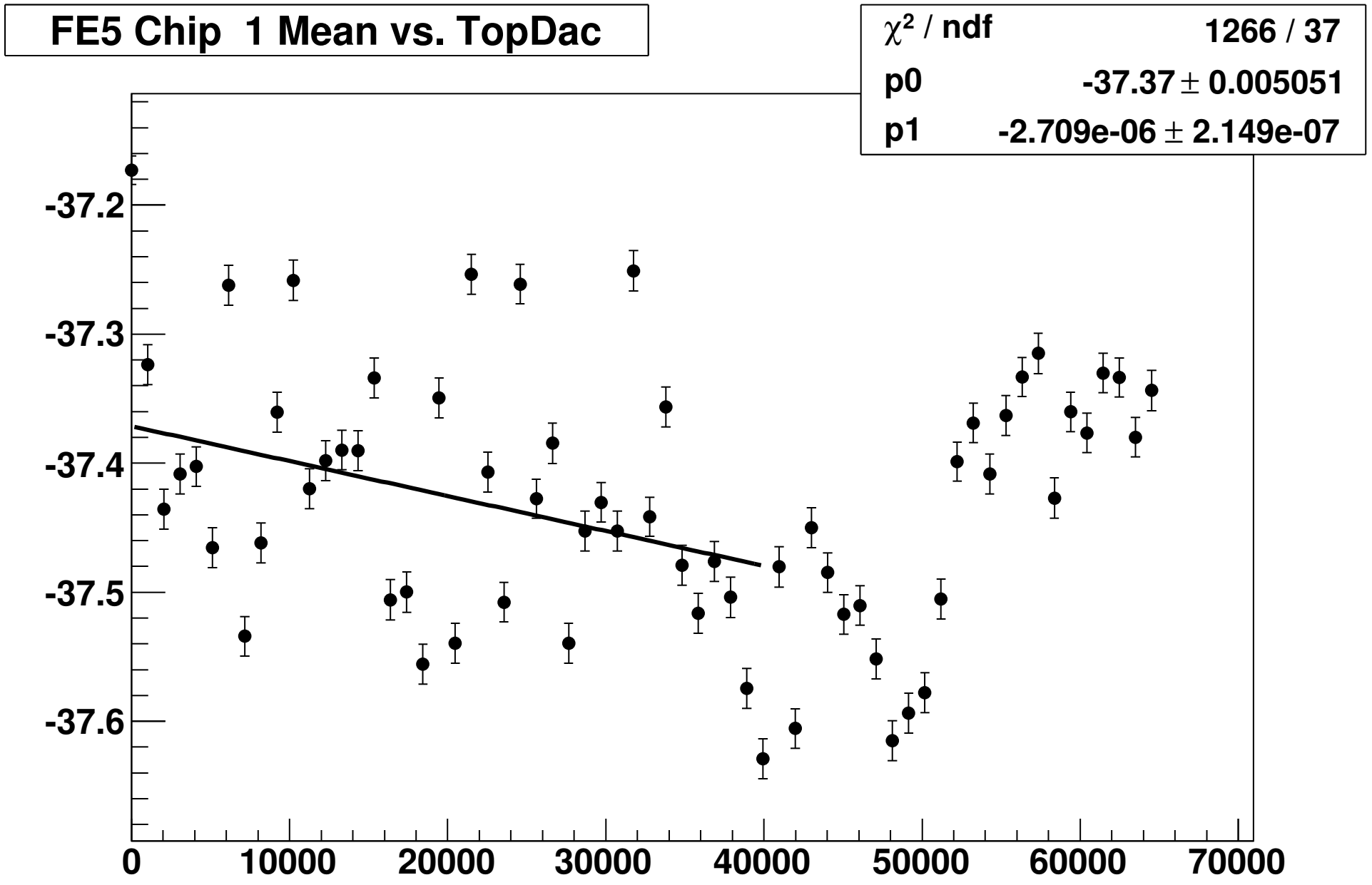

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 698.4 / 37
p0 1.403 ± 0.002884
p1 3.585e-05 ± 2.075e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

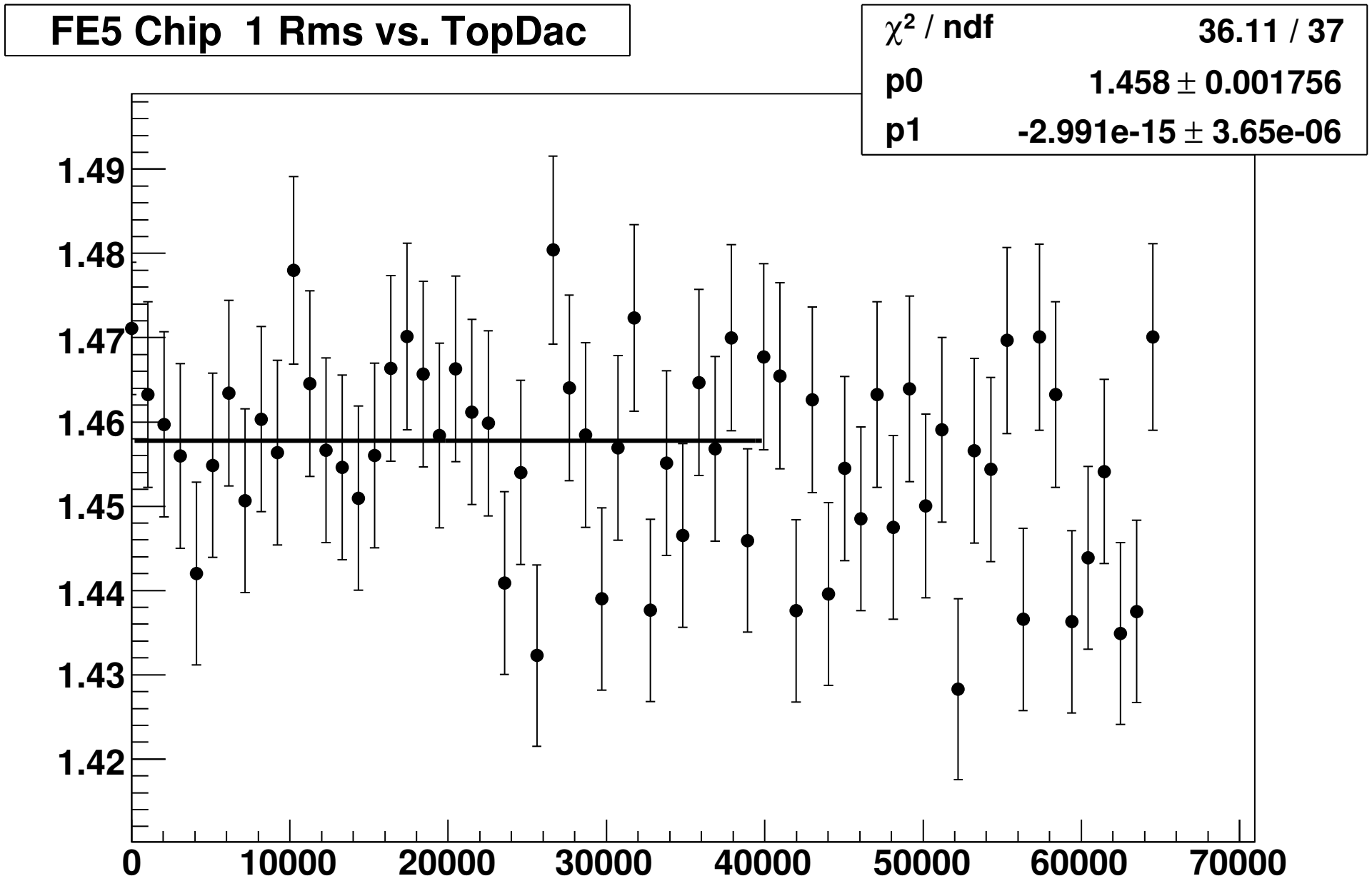

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 1202 / 37
p0 -32.48 ± 0.005402
p1 -3.204e-06 ± 2.298e-07
-32.3
-32.4
-32.5
-32.6
-32.7
-32.8
0
10000
20000
30000
40000
50000
60000
70000

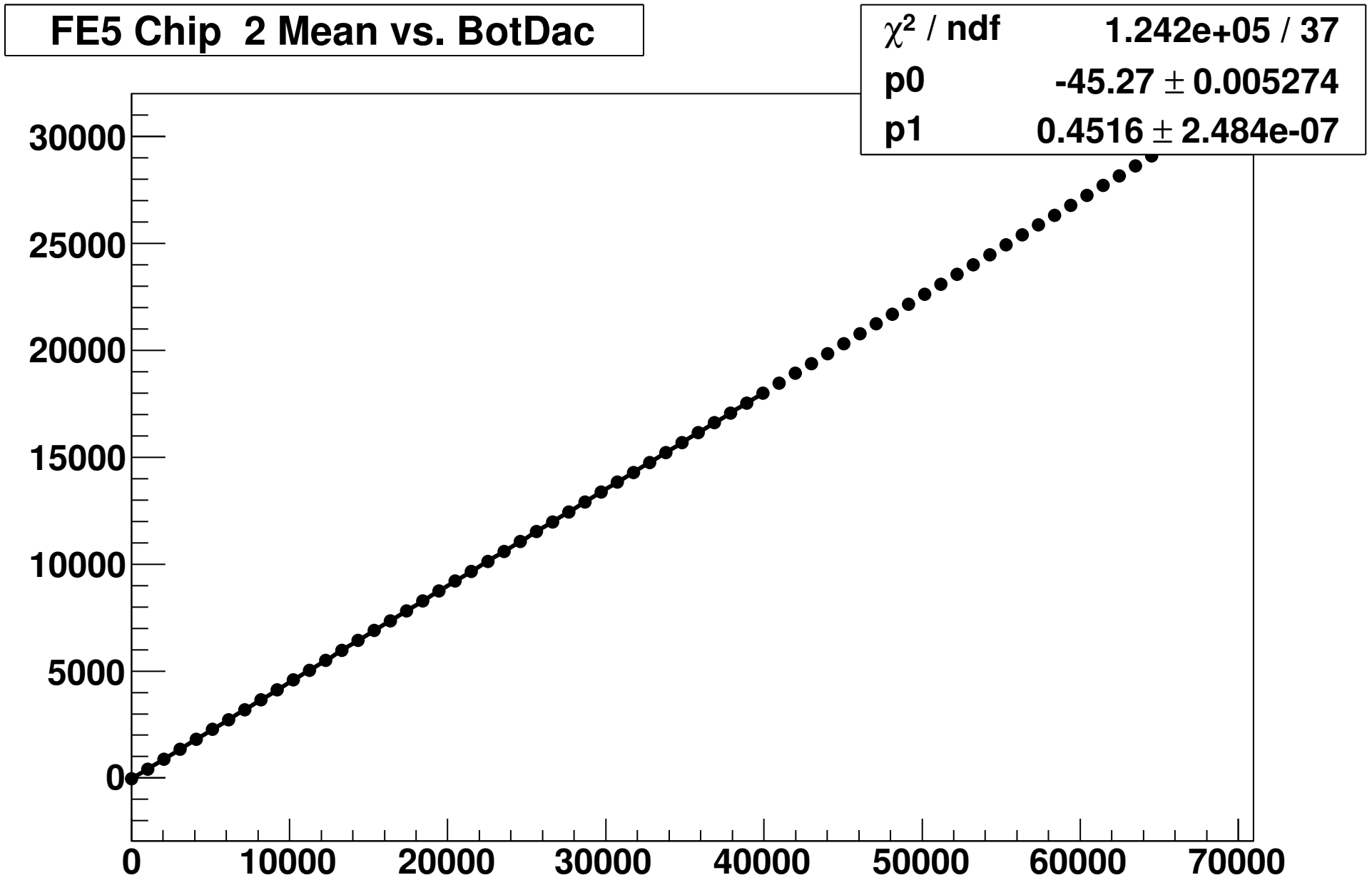

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 29.57 / 37
p0 1.56 ± 0.001878
p1 -1.017e-12 ± 4.351e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000

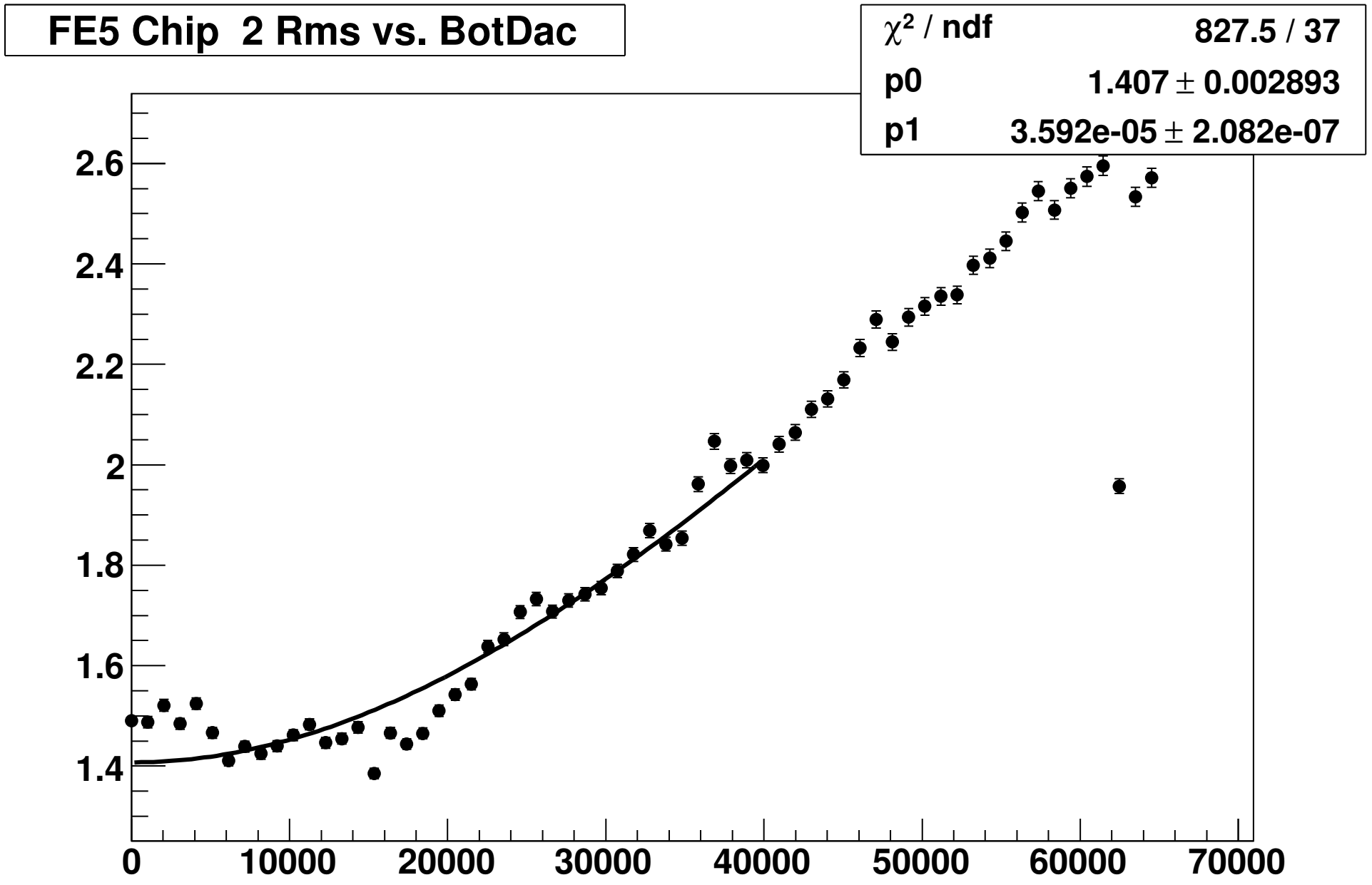

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.376e+05 / 37
p0 -38.64 ± 0.005162
p1 0.4516 ± 2.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

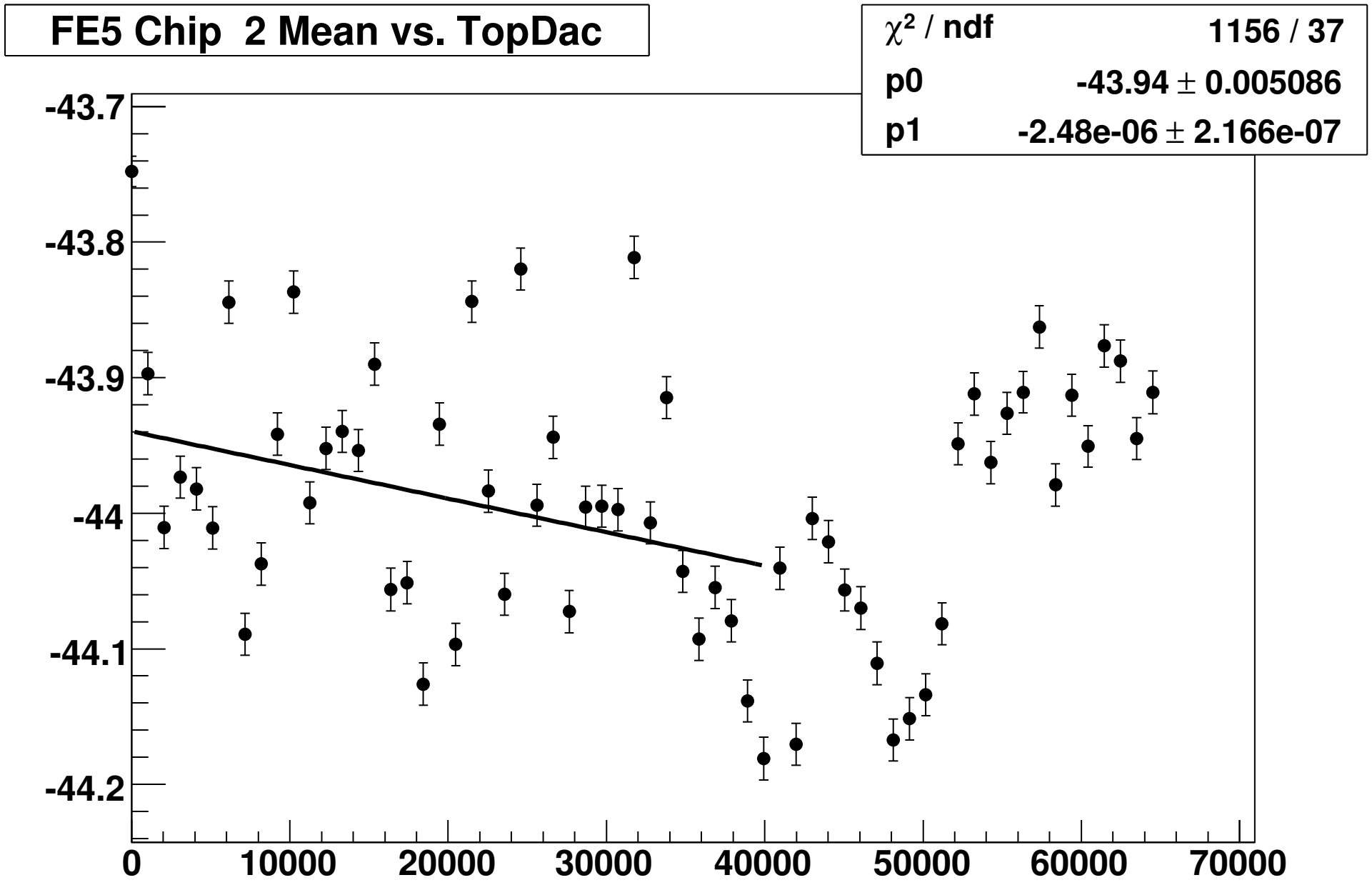

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 861.7 / 37
p0 1.376 ± 0.002847
p1 3.644e-05 ± 2.01e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

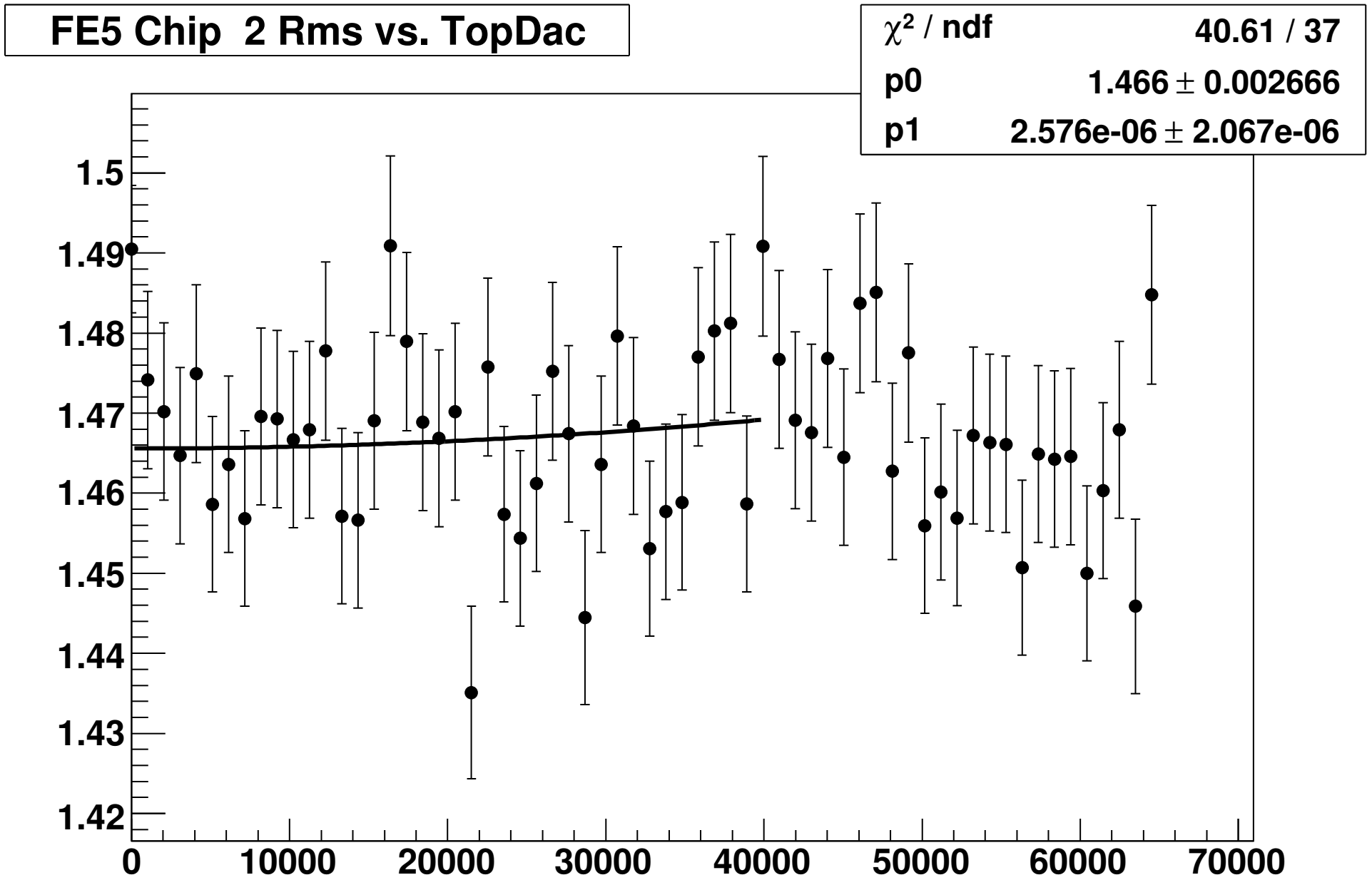

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 1266 / 37
p0 -37.37 ± 0.005051
p1 -2.709e-06 ± 2.149e-07
-37.2
-37.3
-37.4
-37.5
-37.6
0
10000
20000
30000
40000
50000
60000
70000

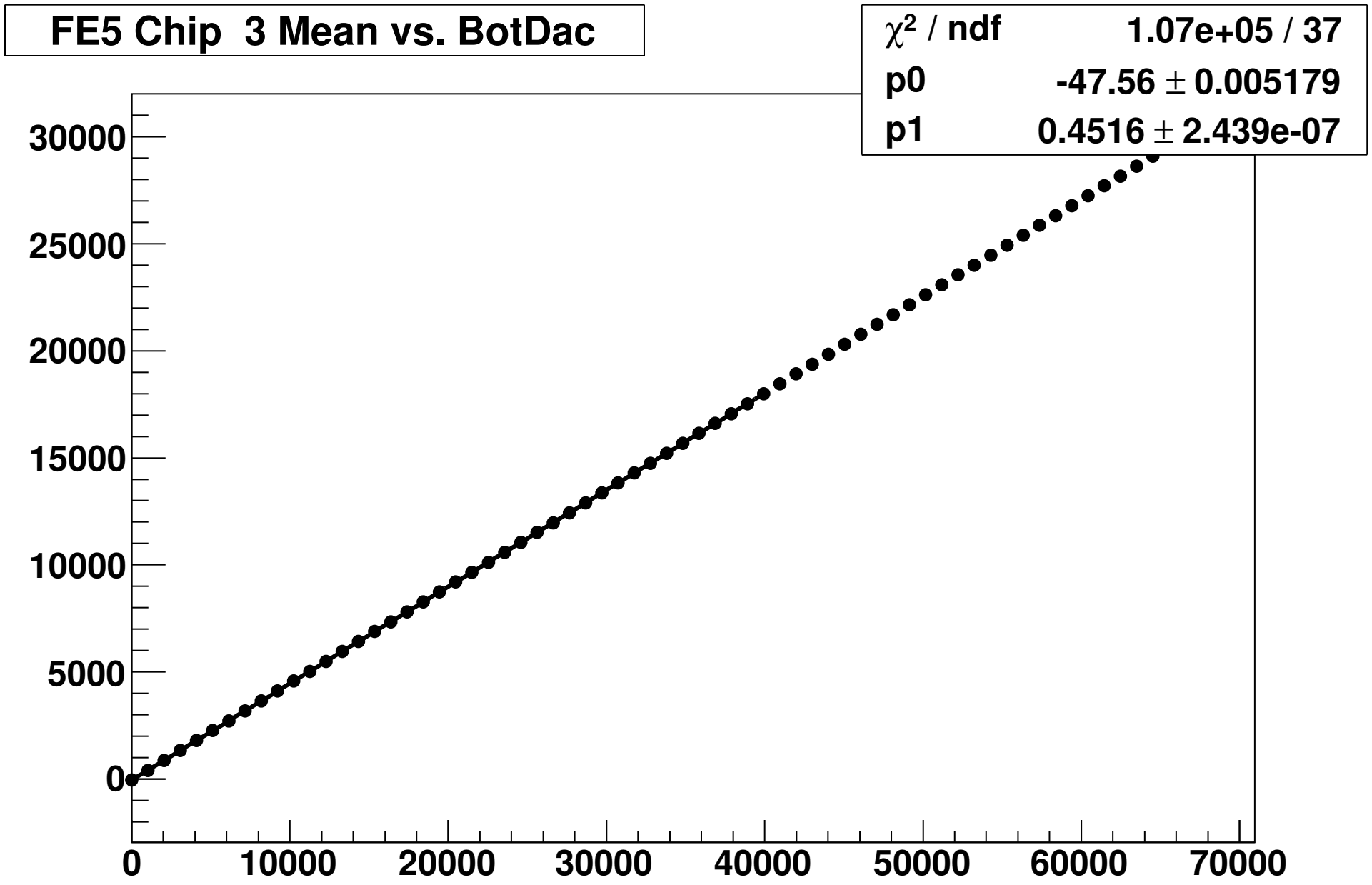

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 36.11 / 37
p0 1.458 ± 0.001756
p1 -2.991e-15 ± 3.65e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

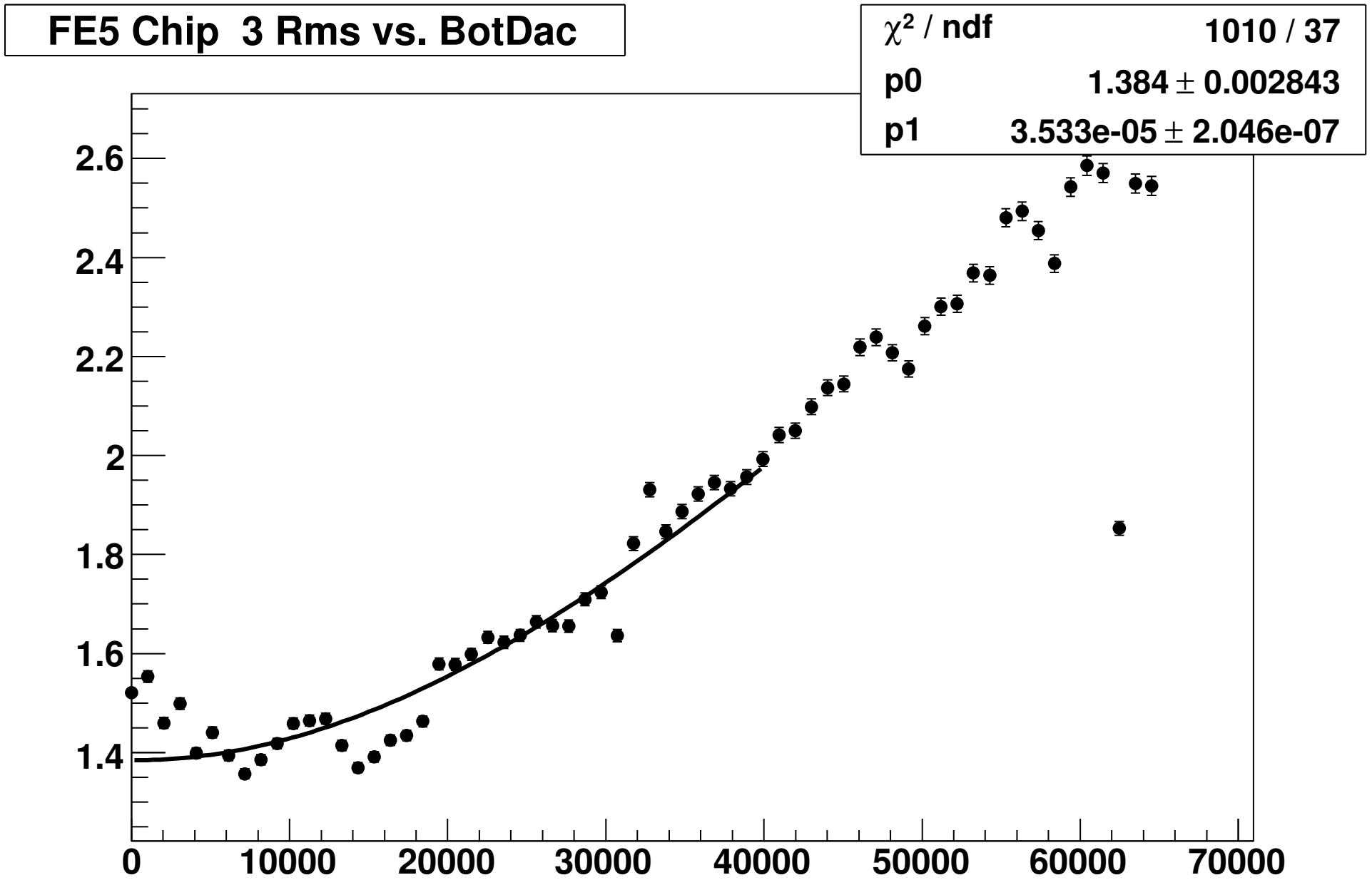

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.242e+05 / 37
p0 -45.27 ± 0.005274
p1 0.4516 ± 2.484e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

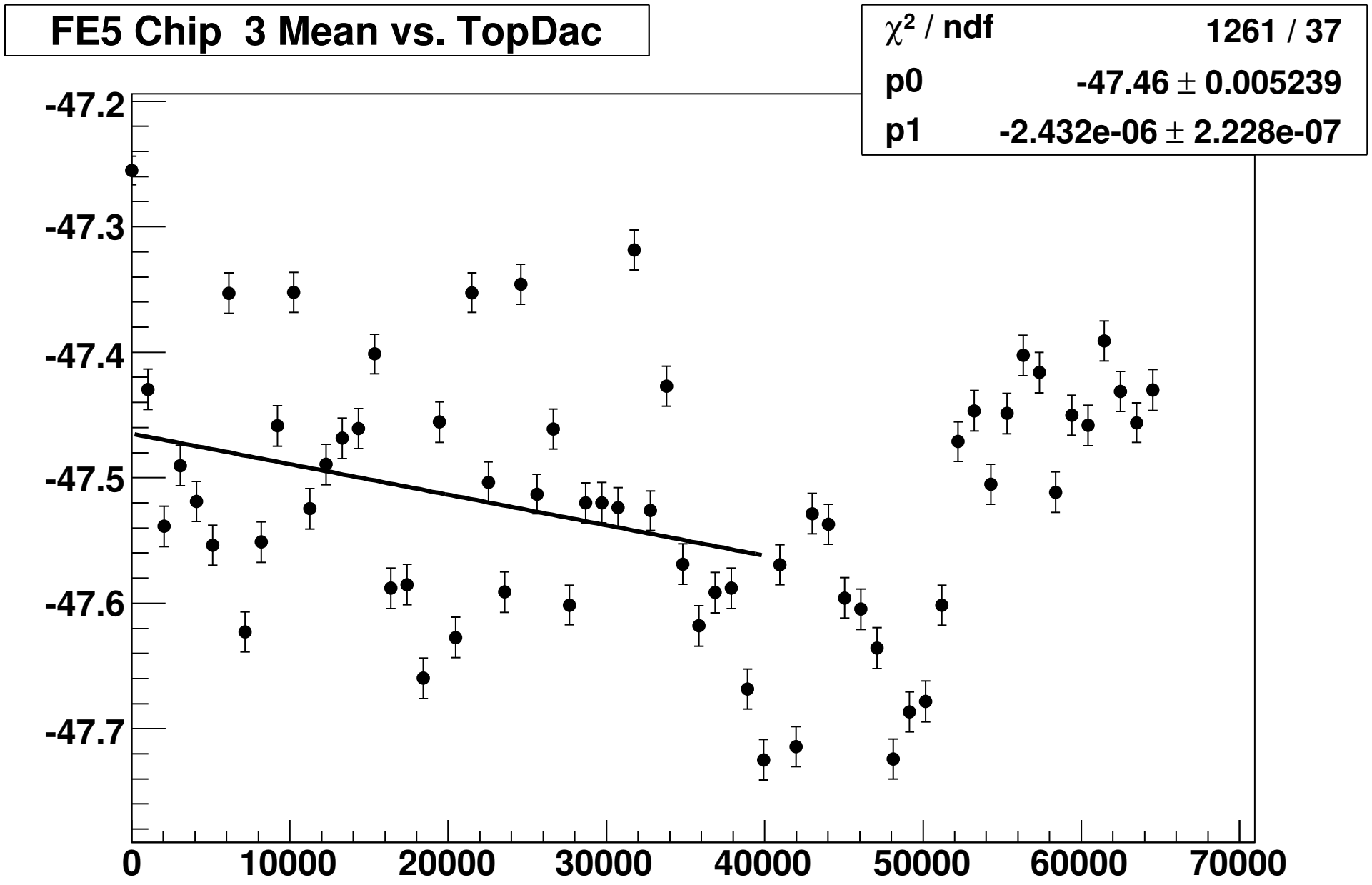

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 827.5 / 37
p0 1.407 ± 0.002893
p1 3.592e-05 ± 2.082e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 1156 / 37
p0 -43.94 ± 0.005086
p1 -2.48e-06 ± 2.166e-07
-43.7
-43.8
-43.9
-44
-44.1
-44.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 40.61 / 37
p0 1.466 ± 0.002666
p1 2.576e-06 ± 2.067e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.07e+05 / 37
p0 -47.56 ± 0.005179
p1 0.4516 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1010 / 37
p0 1.384 ± 0.002843
p1 3.533e-05 ± 2.046e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 1261 / 37
p0 -47.46 ± 0.005239
p1 -2.432e-06 ± 2.228e-07
-47.2
-47.3
-47.4
-47.5
-47.6
-47.7
0
10000
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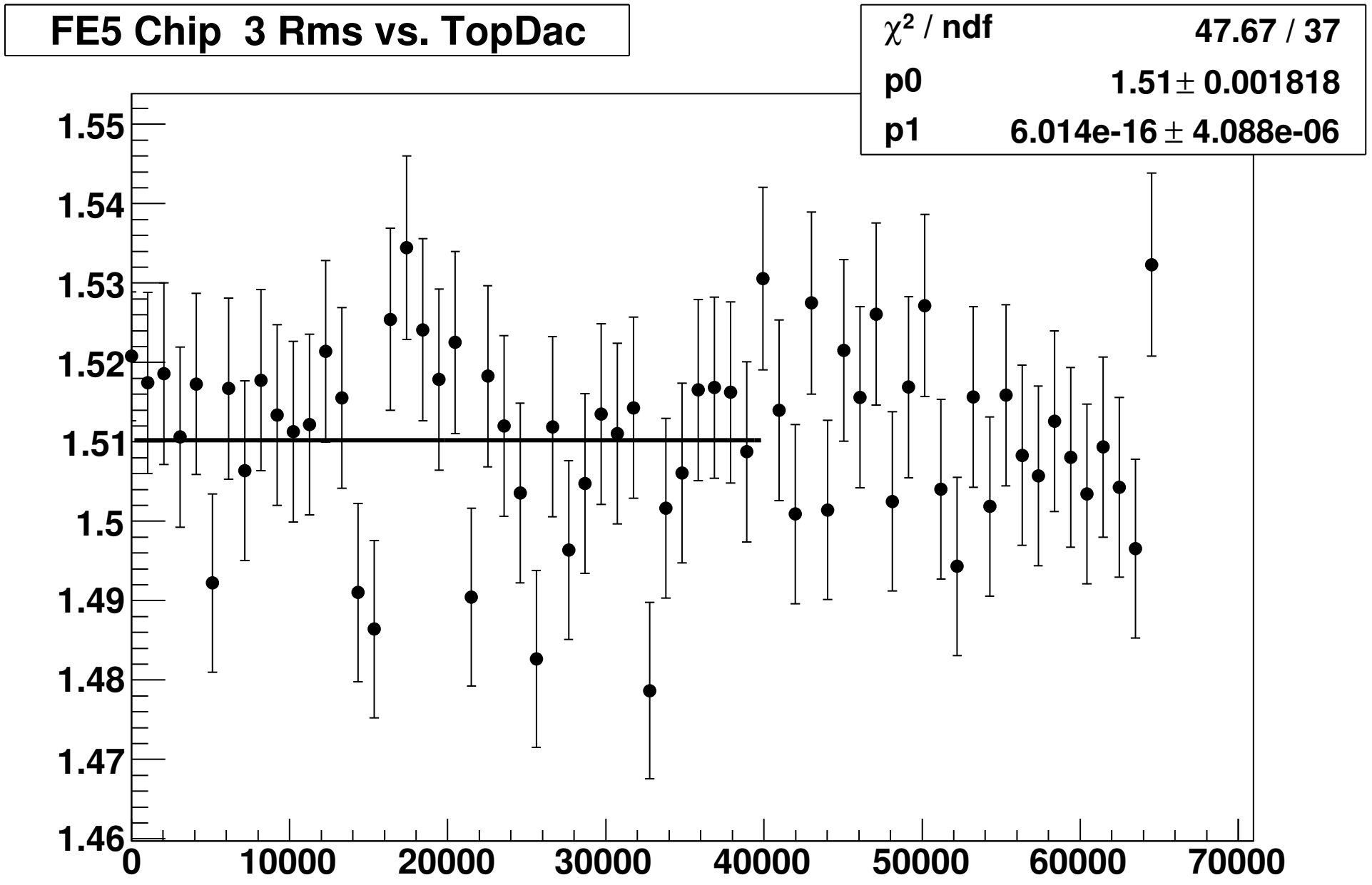
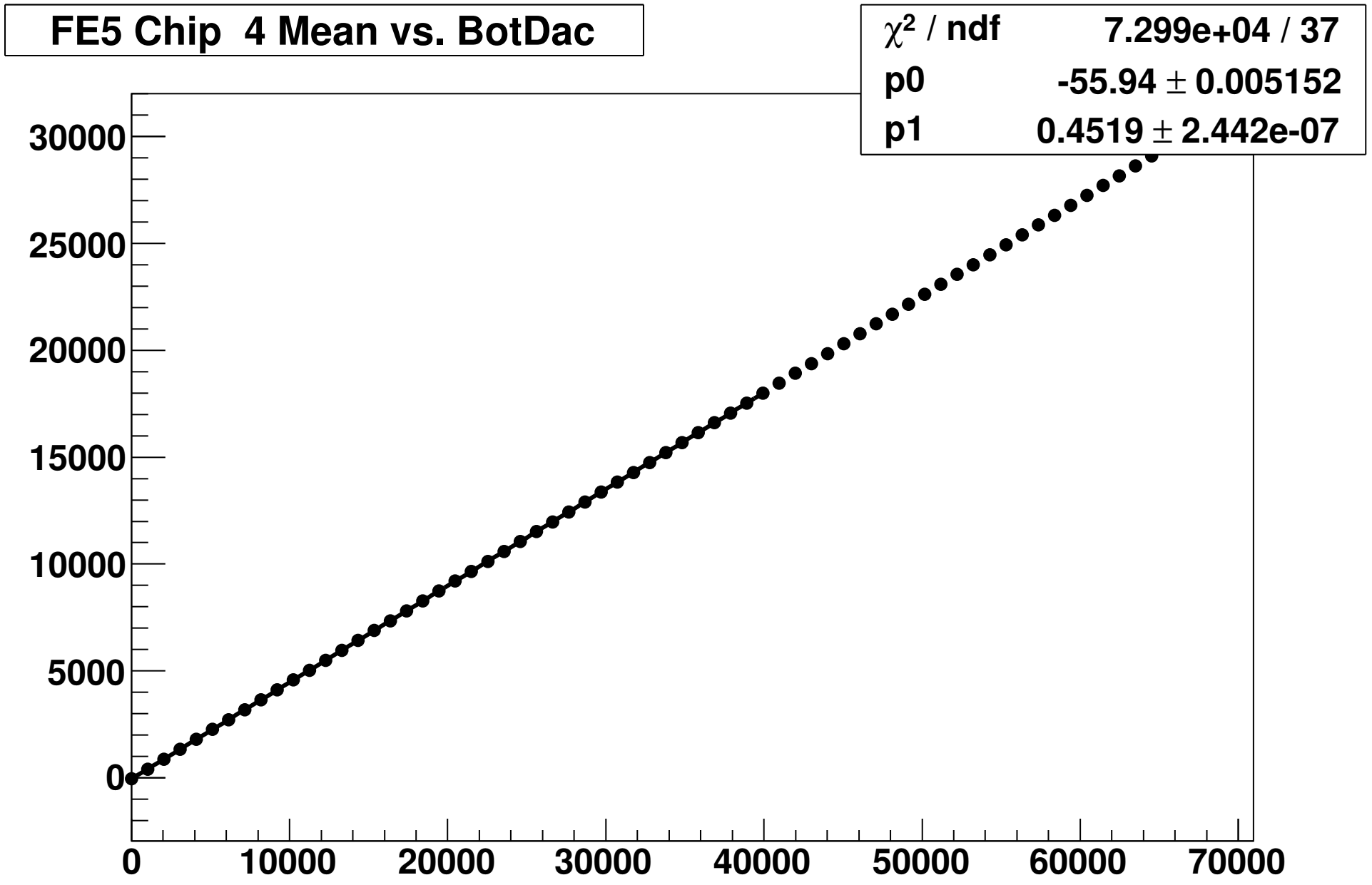
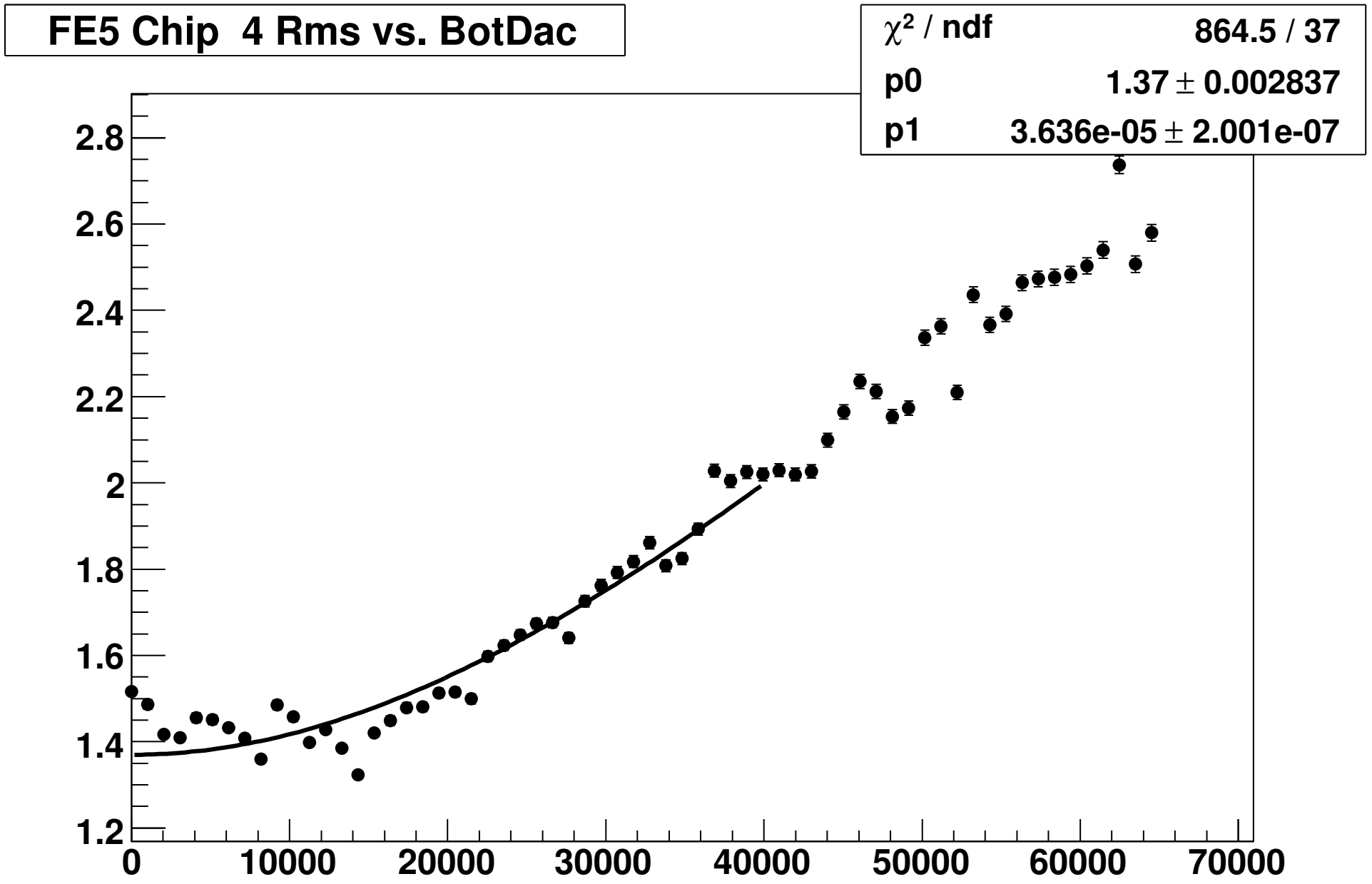
50000
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 47.67 / 37
p0 1.51 ± 0.001818
p1 6.014e-16 ± 4.088e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 7.299e+04 / 37
p0 -55.94 ± 0.005152
p1 0.4519 ± 2.442e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 864.5 / 37
p0 1.37 ± 0.002837
p1 3.636e-05 ± 2.001e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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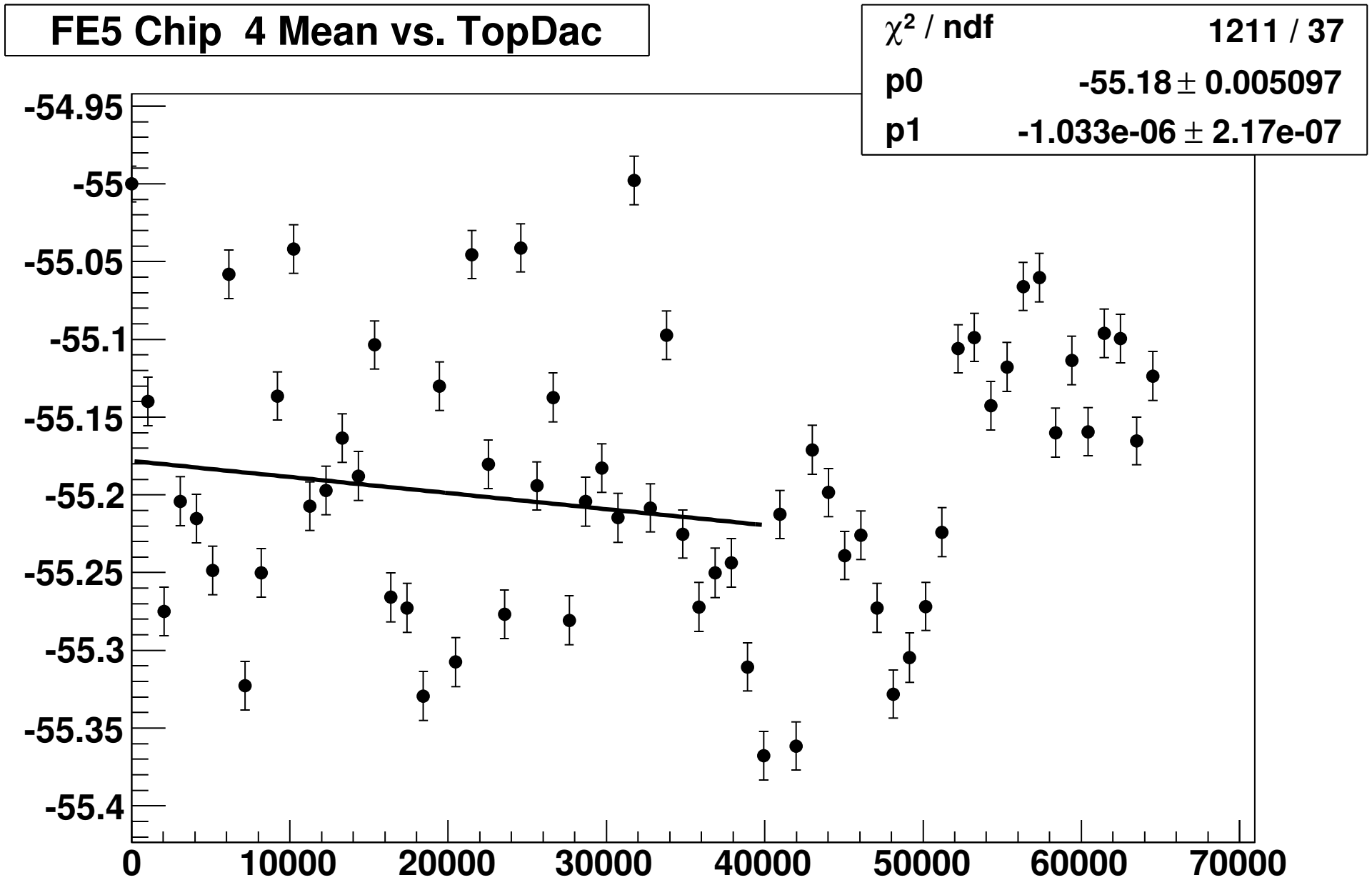
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 1211 / 37
p0 -55.18 ± 0.005097
p1 -1.033e-06 ± 2.17e-07
-54.95
-55
-55.05
-55.1
-55.15
-55.2
-55.25
-55.3
-55.35
-55.4
0
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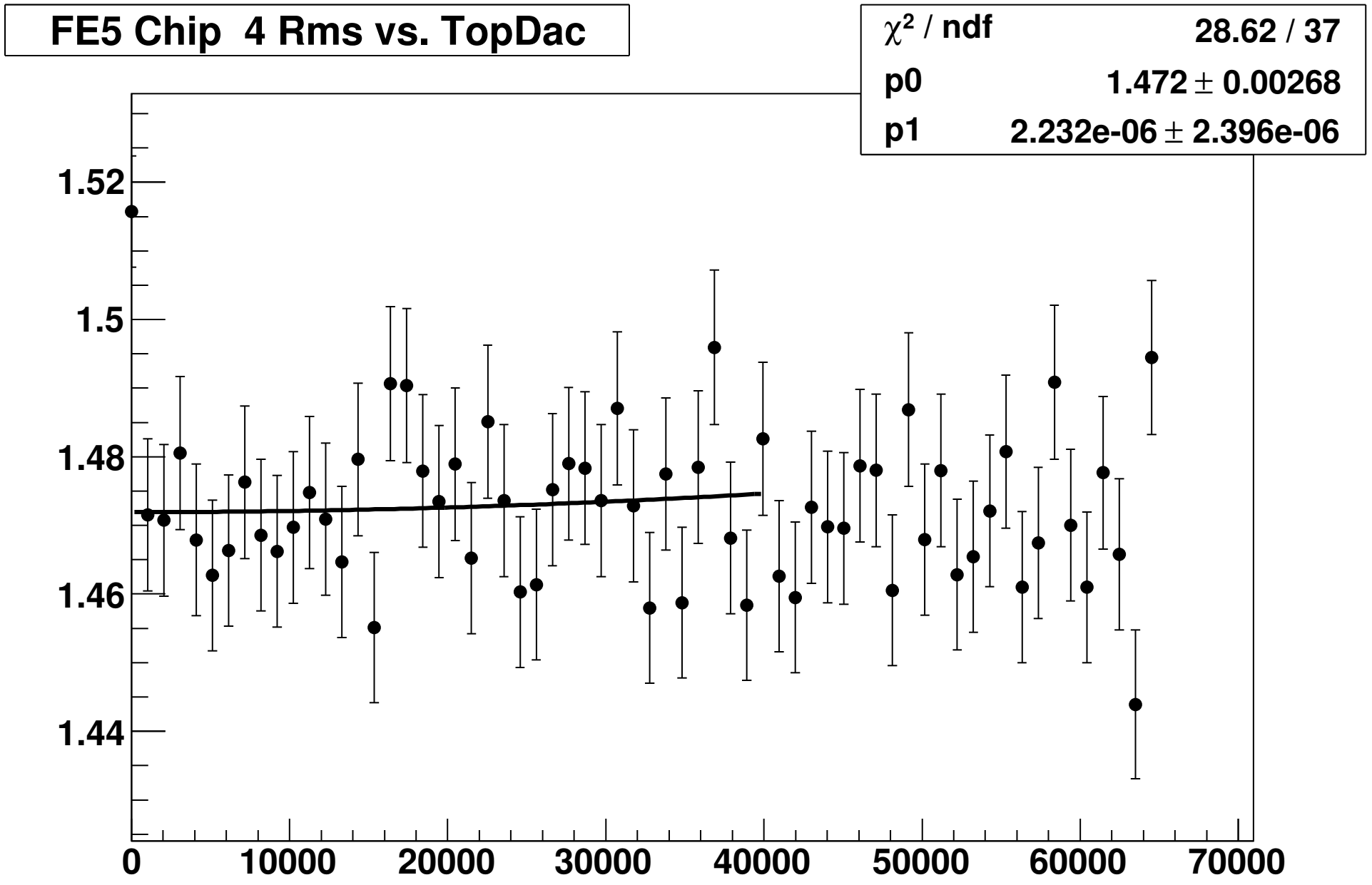
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 28.62 / 37
p0 1.472 ± 0.00268
p1 2.232e-06 ± 2.396e-06
1.52
1.5
1.48
1.46
1.44
0
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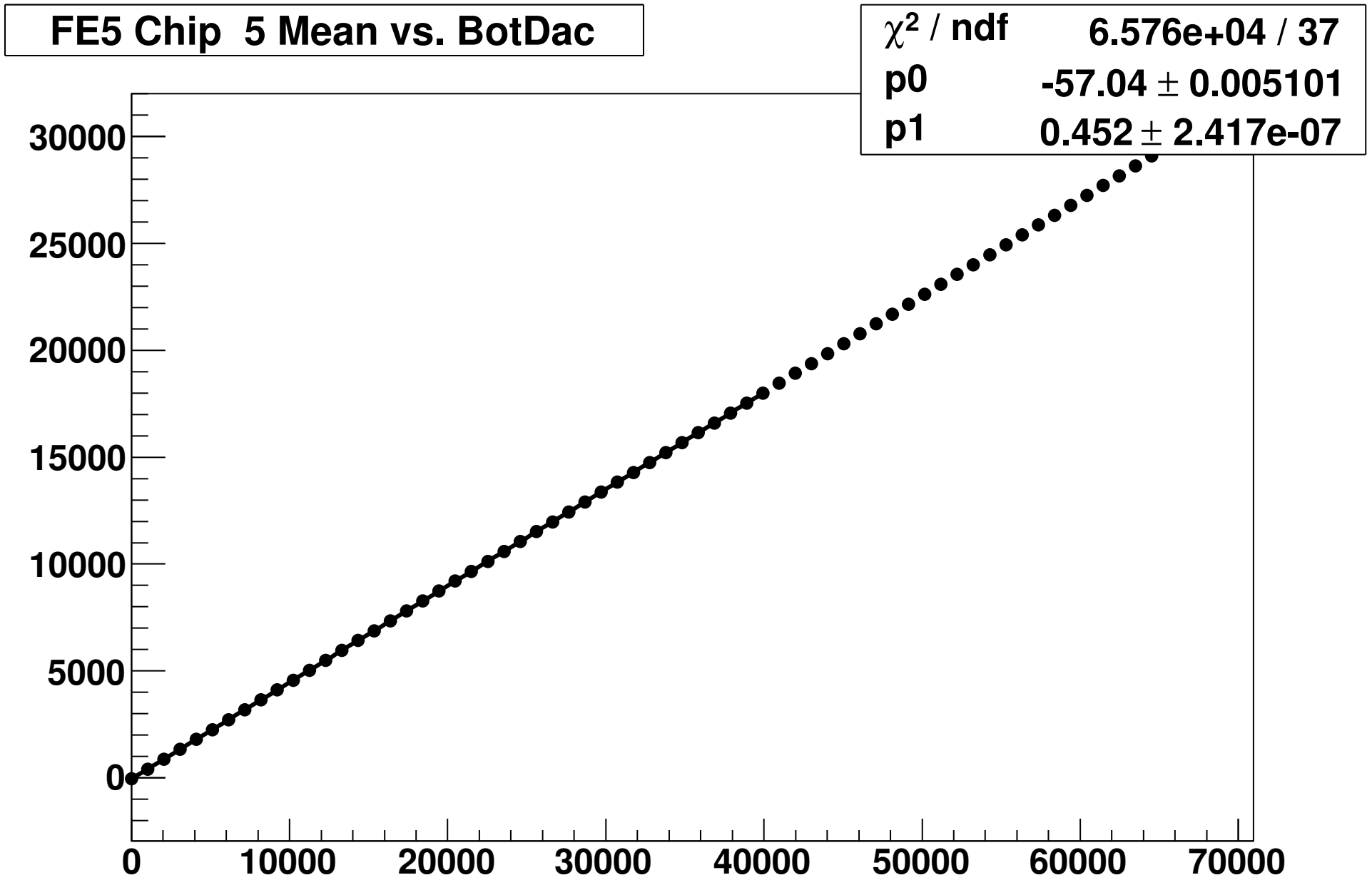
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 6.576e+04 / 37
p0 -57.04 ± 0.005101
p1 0.452 ± 2.417e-07
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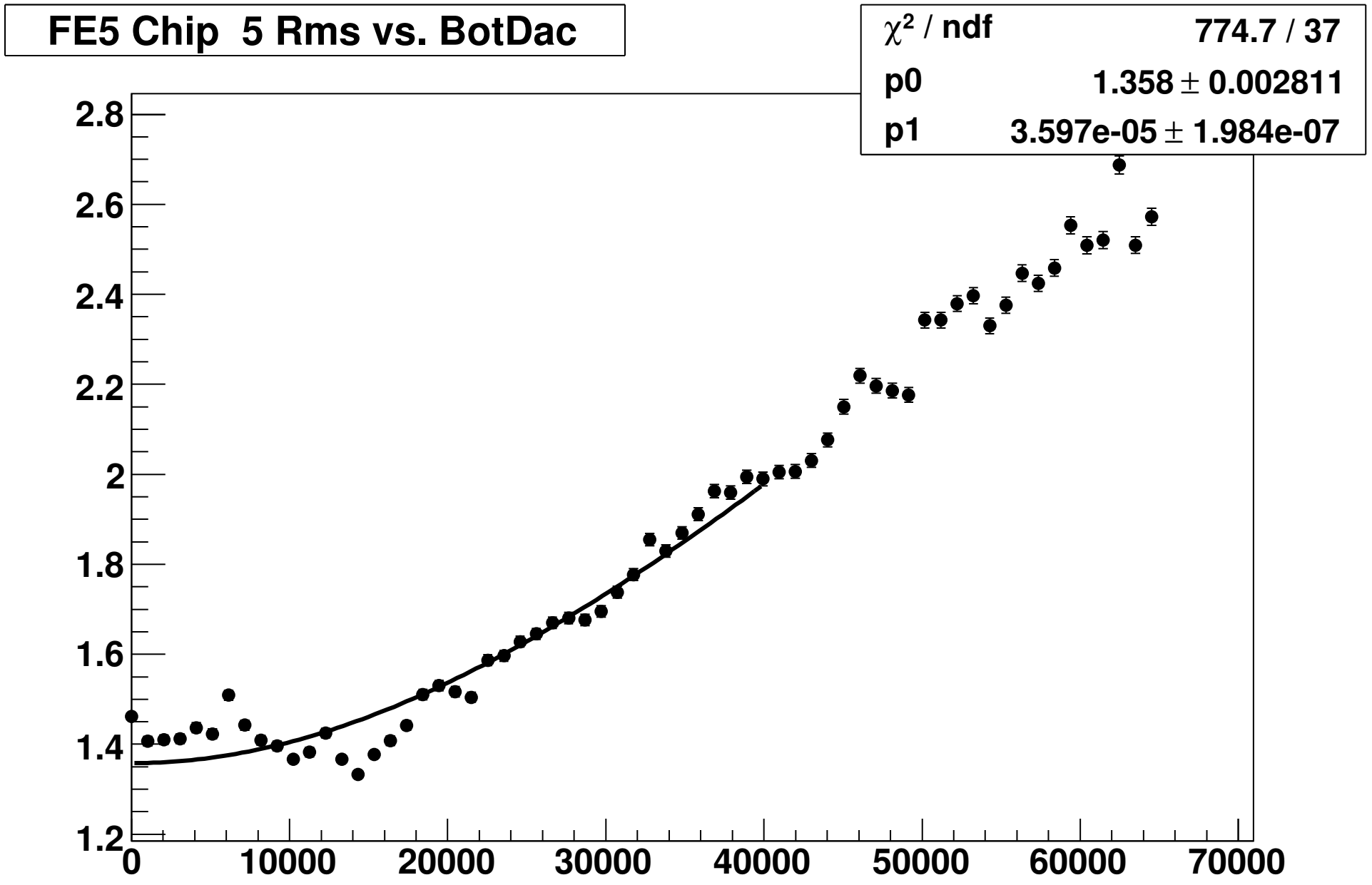
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 774.7 / 37
p0 1.358 ± 0.002811
p1 3.597e-05 ± 1.984e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
1.2
0
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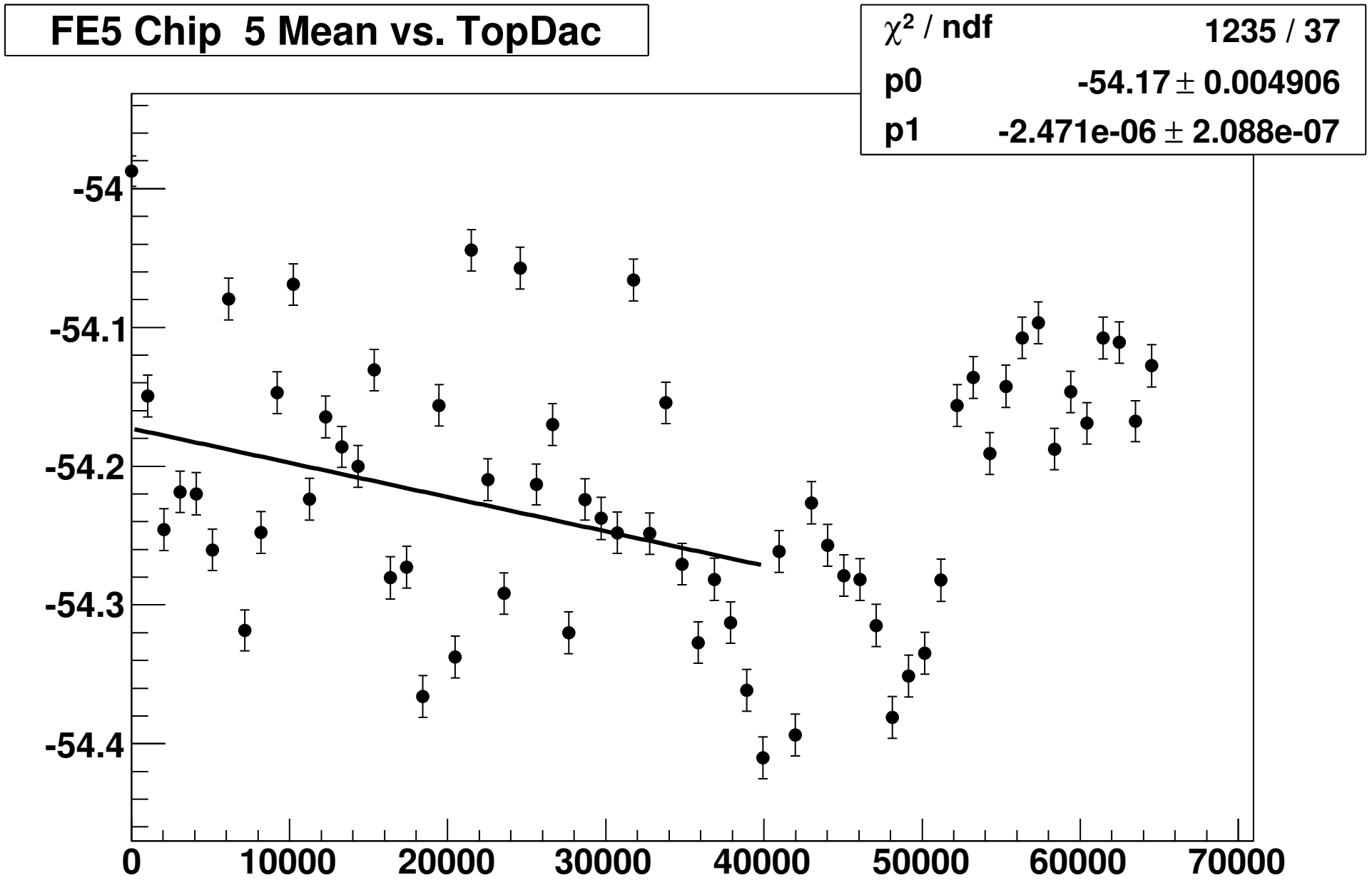
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 1235 / 37
p0 -54.17 ± 0.004906
p1 -2.471e-06 ± 2.088e-07
-54
-54.1
-54.2
-54.3
-54.4
0
10000
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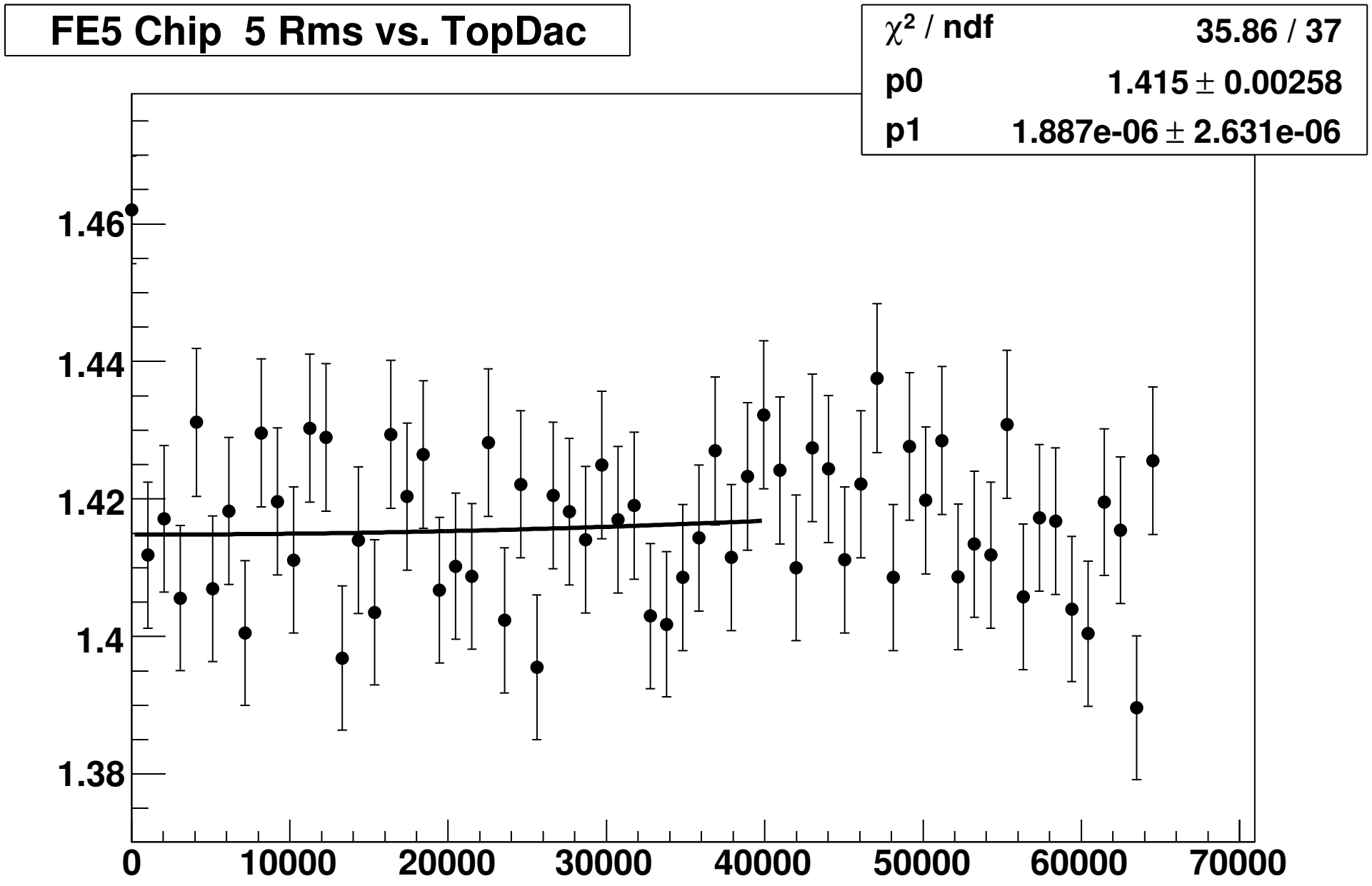
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 35.86 / 37
p0 1.415 ± 0.00258
p1 1.887e-06 ± 2.631e-06
1.46
1.44
1.42
1.4
1.38
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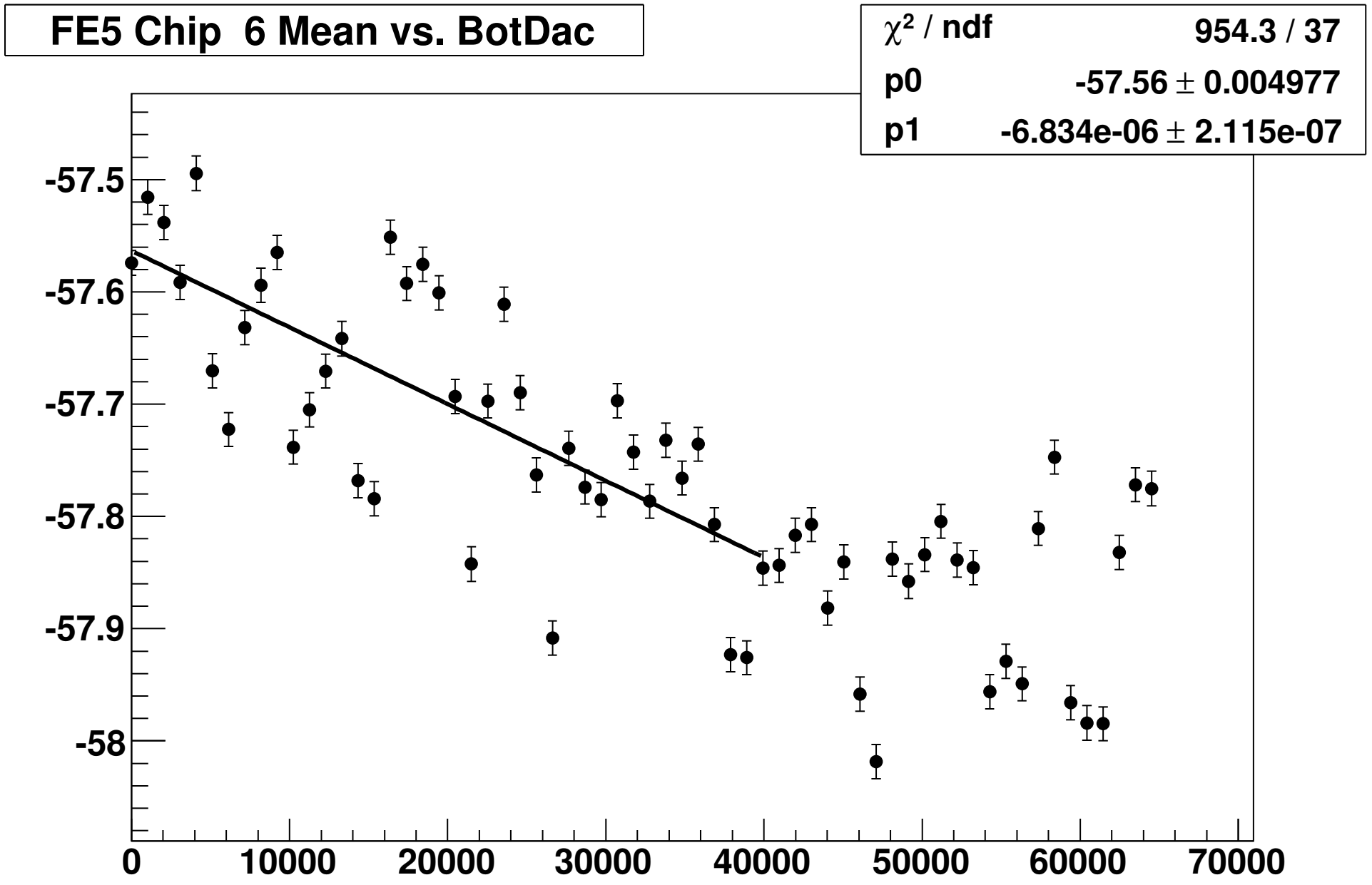
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 954.3 / 37
p0 -57.56 ± 0.004977
p1 -6.834e-06 ± 2.115e-07
-57.5
-57.6
-57.7
-57.8
-57.9
-58
0
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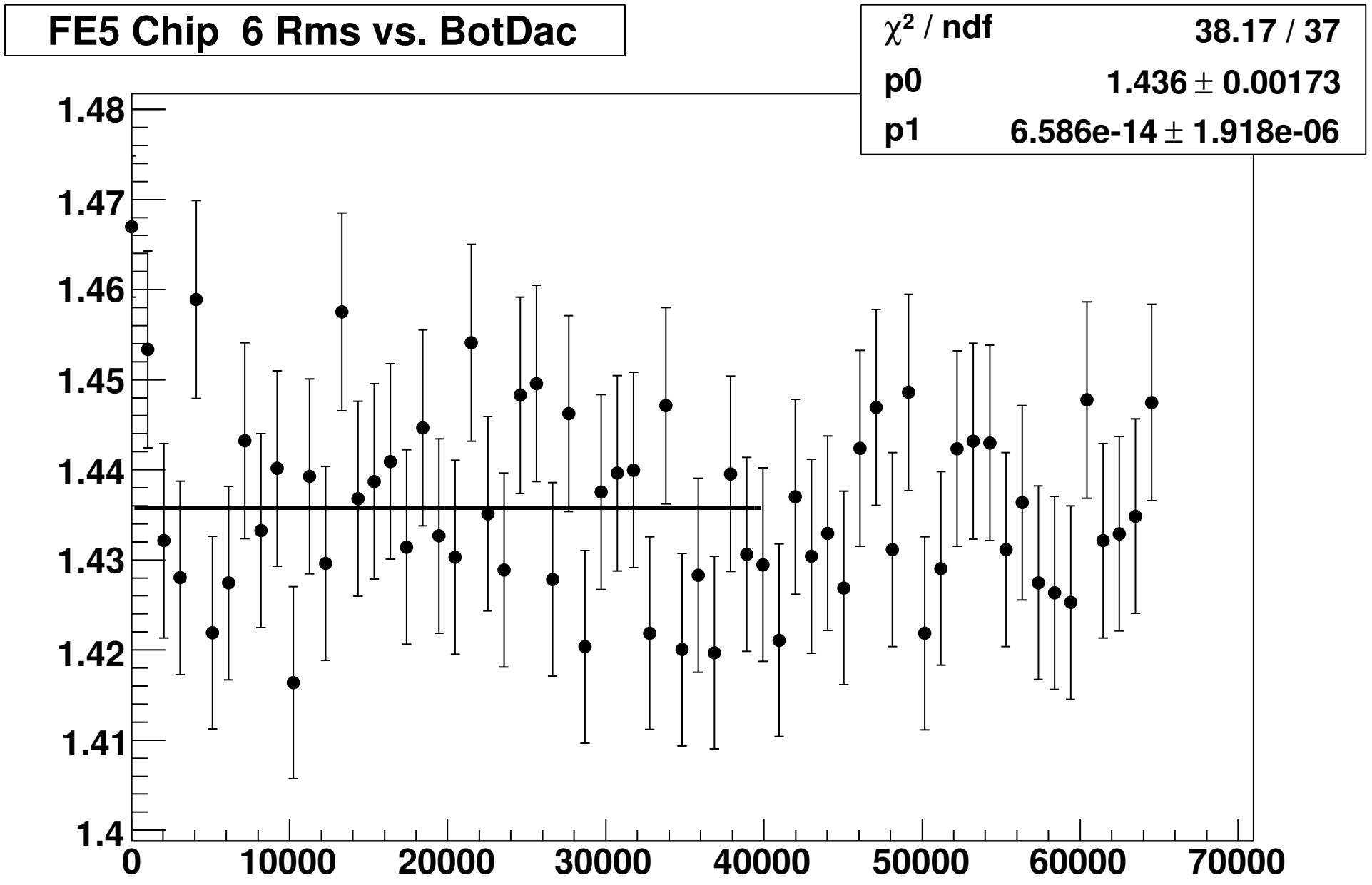
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 38.17 / 37
p0 1.436 ± 0.00173
p1 6.586e-14 ± 1.918e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
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50000
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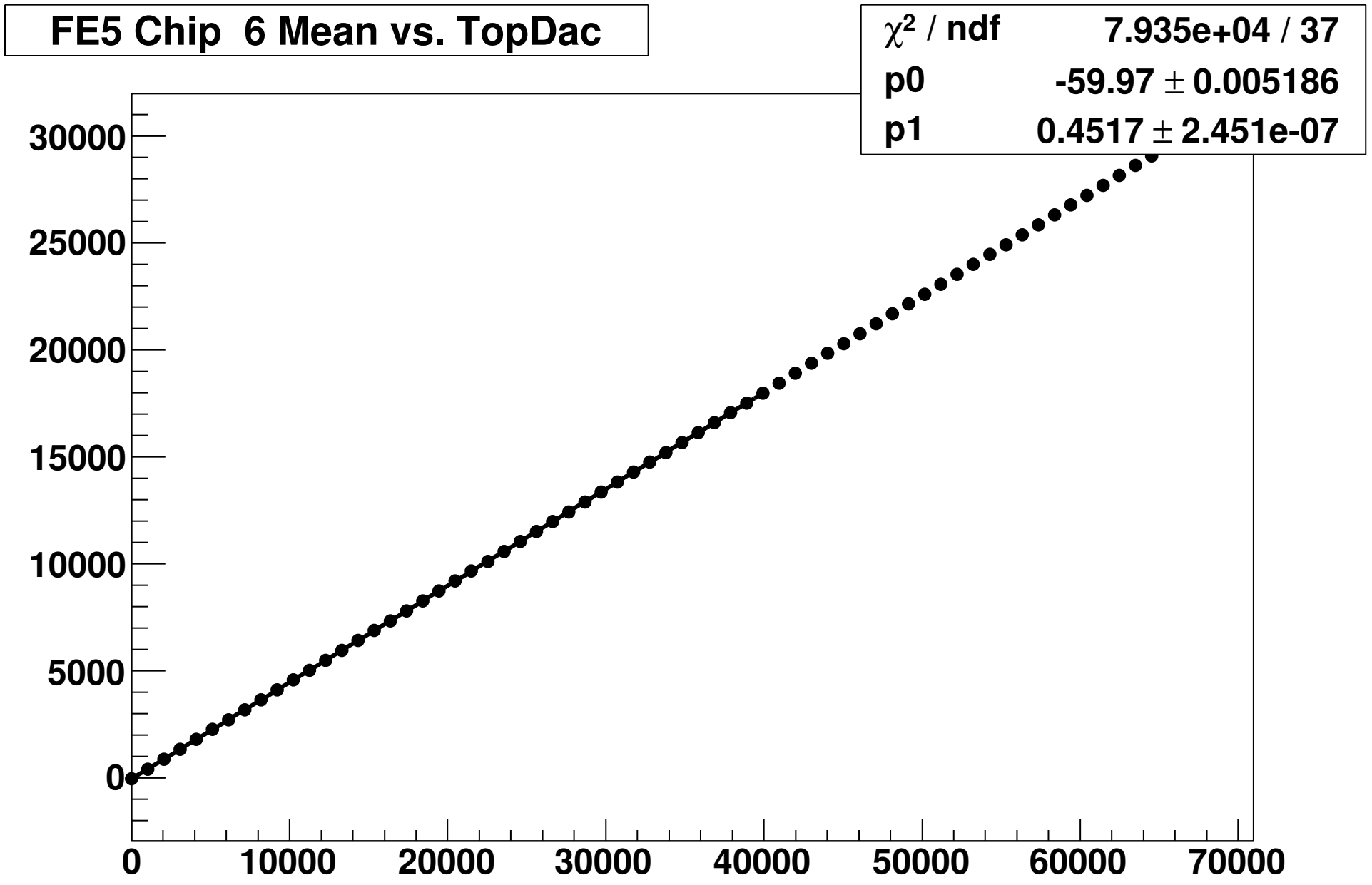
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.935e+04 / 37
p0 -59.97 ± 0.005186
p1 0.4517 ± 2.451e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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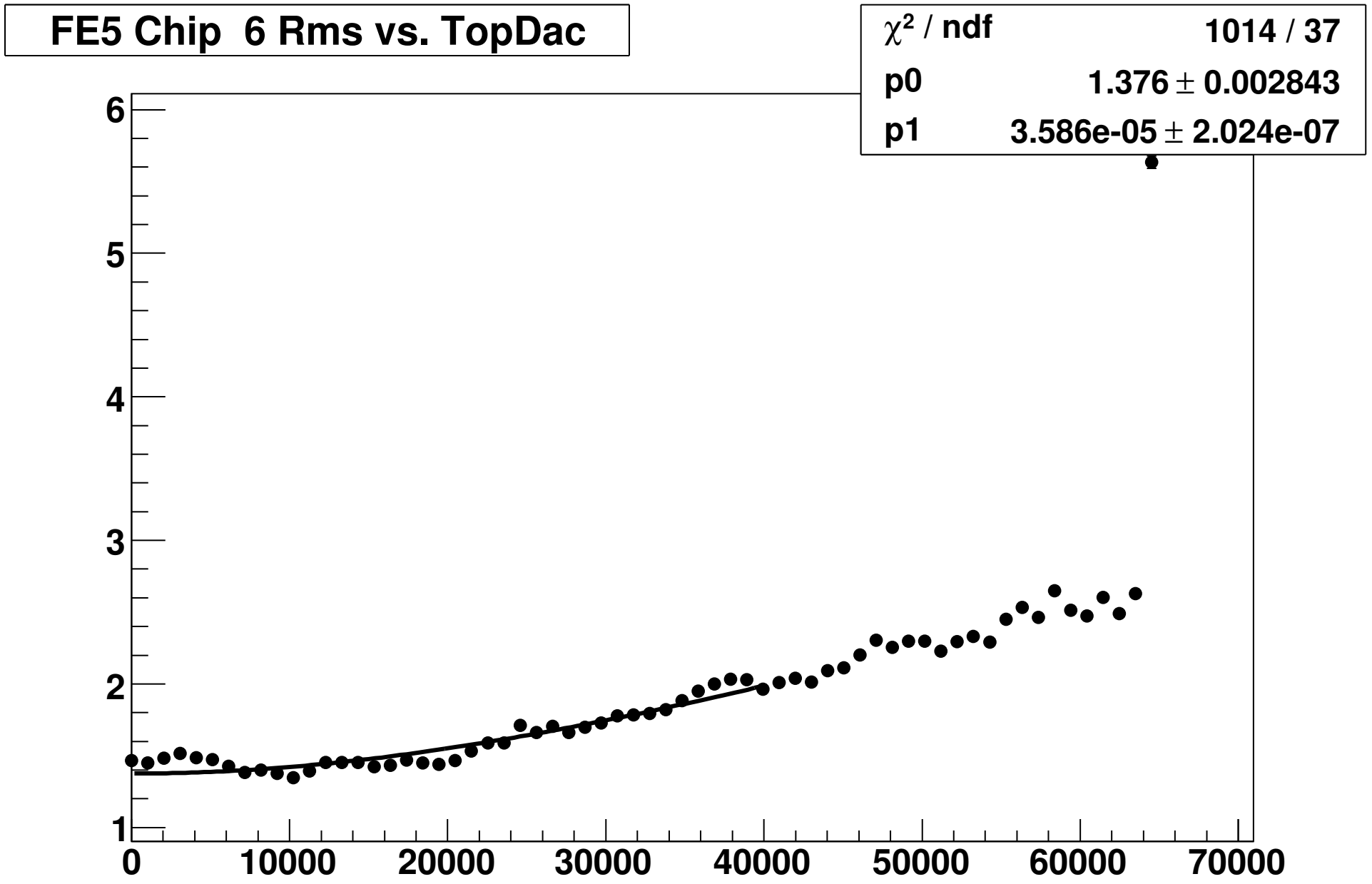
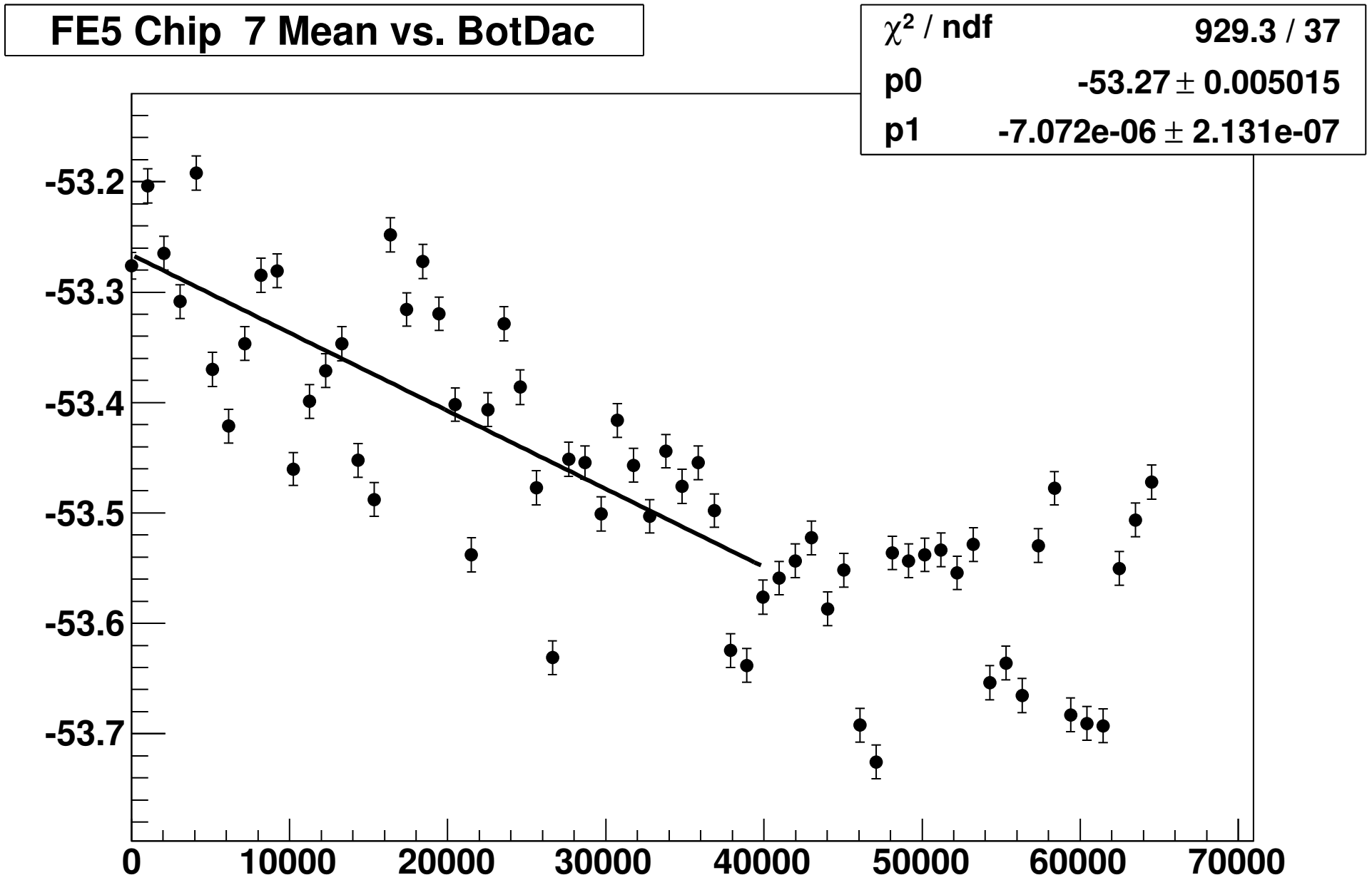

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1014 / 37
p0 1.376 ± 0.002843
p1 3.586e-05 ± 2.024e-07
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 929.3 / 37
p0 -53.27 ± 0.005015
p1 -7.072e-06 ± 2.131e-07
-53.2
-53.3
-53.4
-53.5
-53.6
-53.7
0
10000
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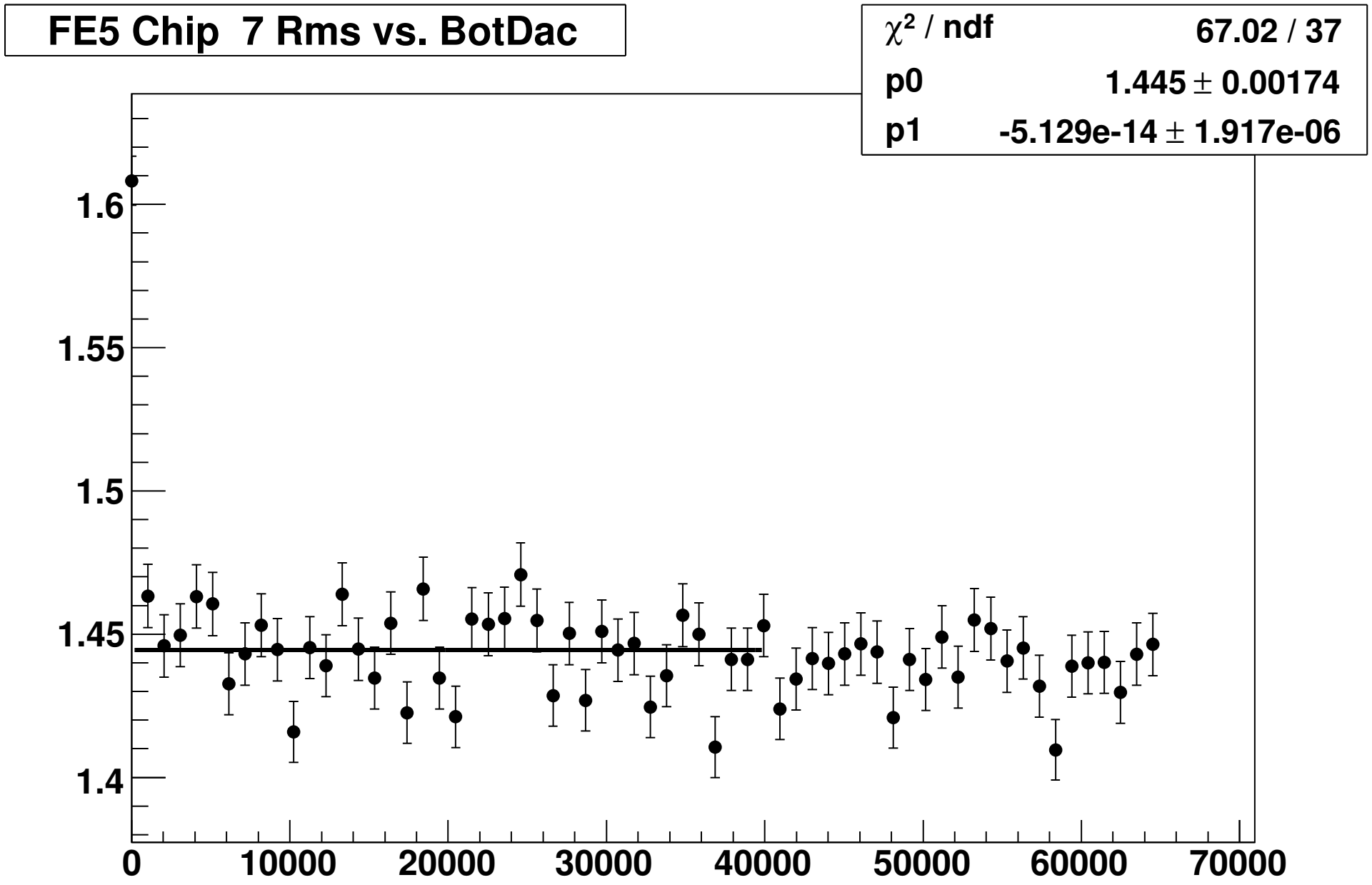
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 67.02 / 37
p0 1.445 ± 0.00174
p1 -5.129e-14 ± 1.917e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
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50000
60000
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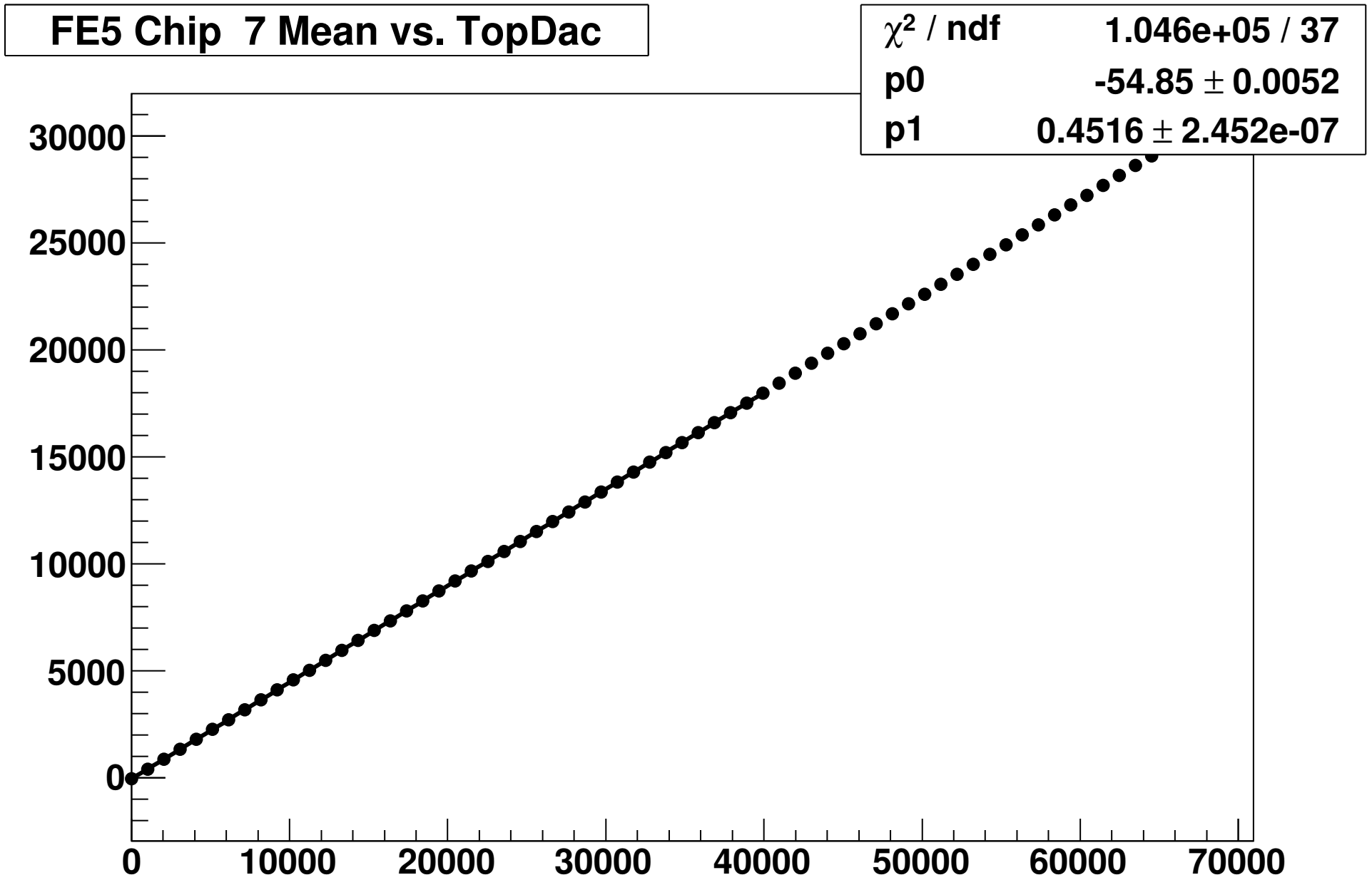
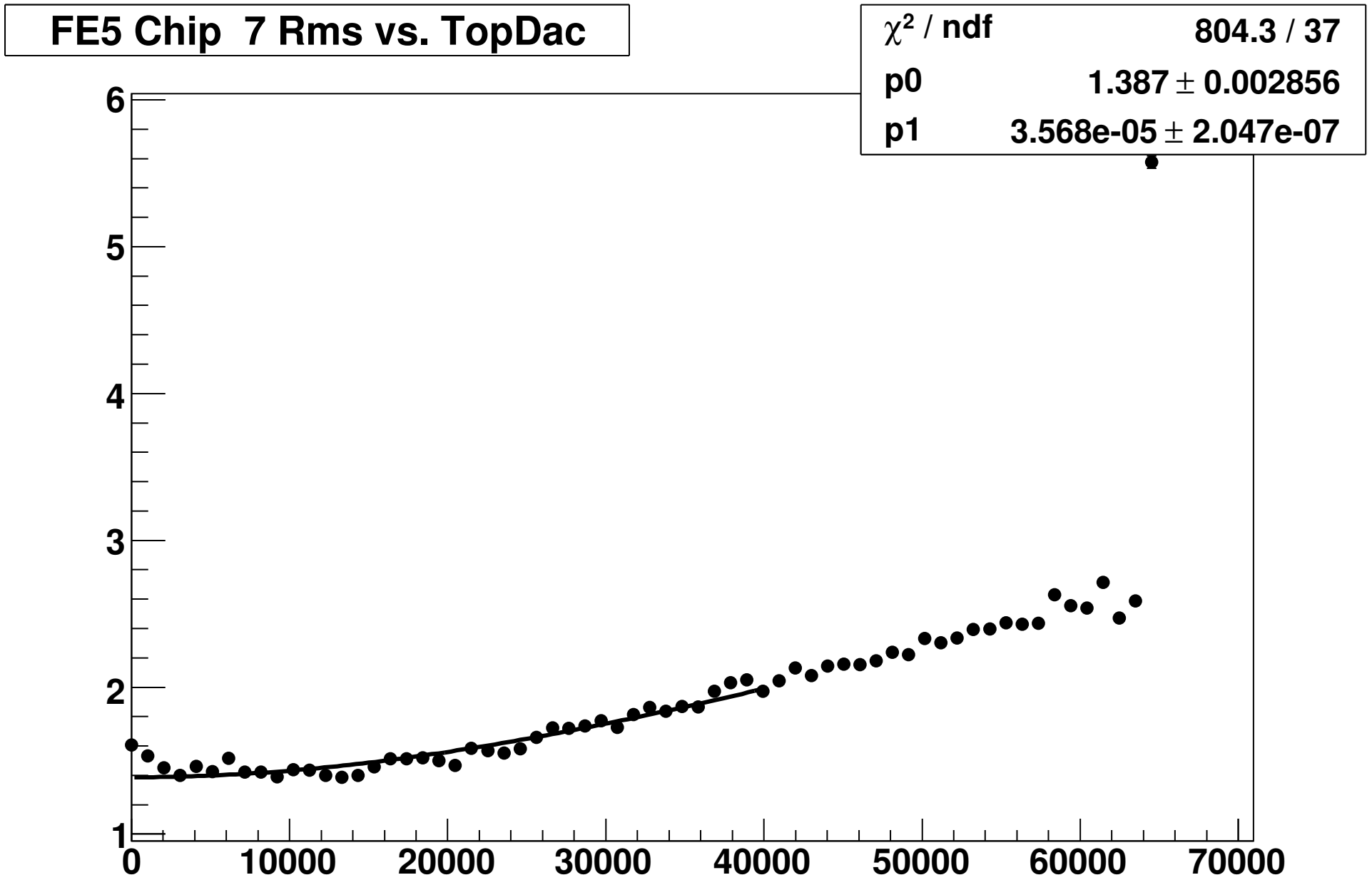

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.046e+05 / 37
p0 -54.85 ± 0.0052
p1 0.4516 ± 2.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 804.3 / 37
p0 1.387 ± 0.002856
p1 3.568e-05 ± 2.047e-07
6
5
4
3
2
1
0
10000
20000
30000
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50000
60000
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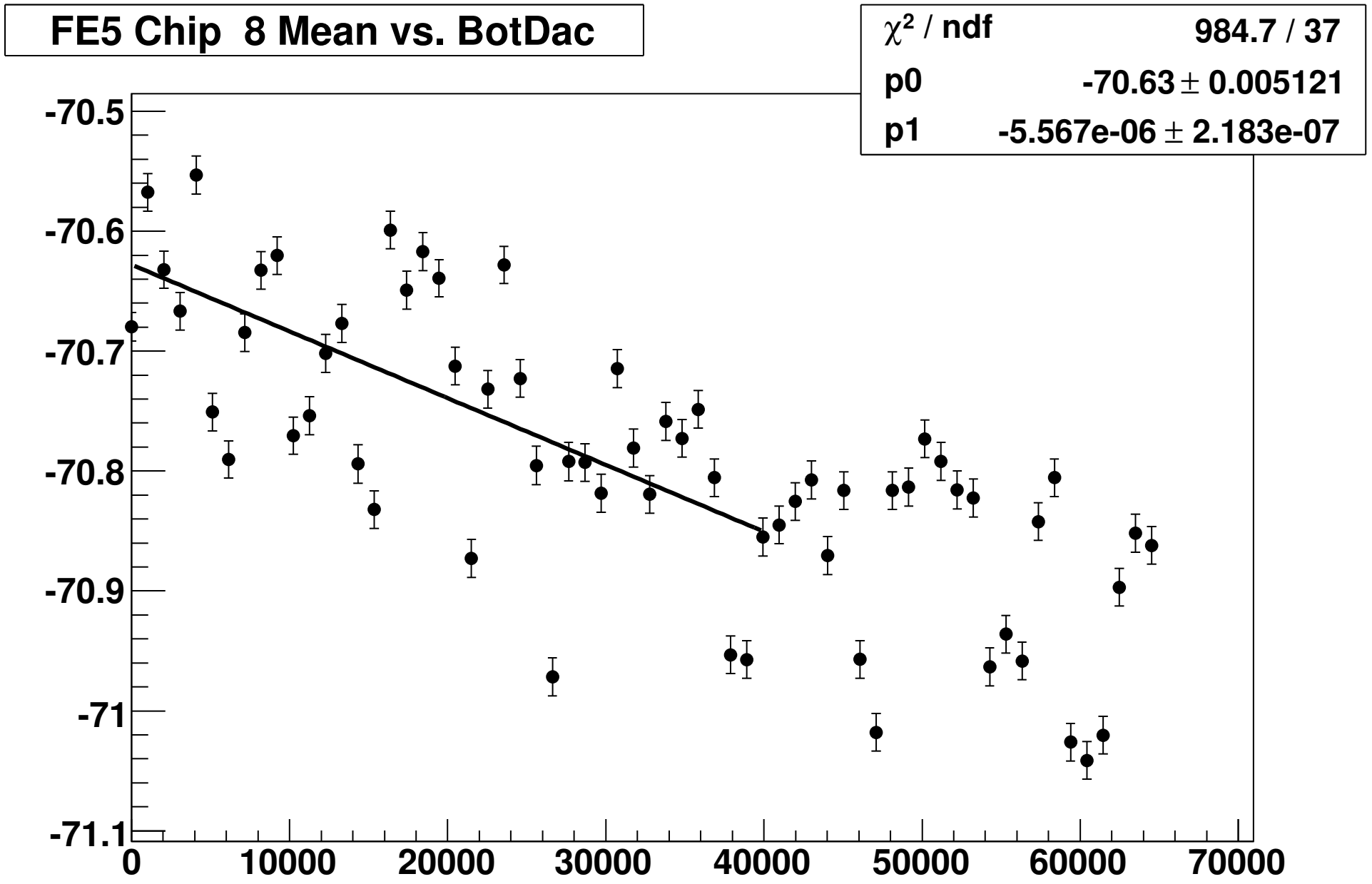
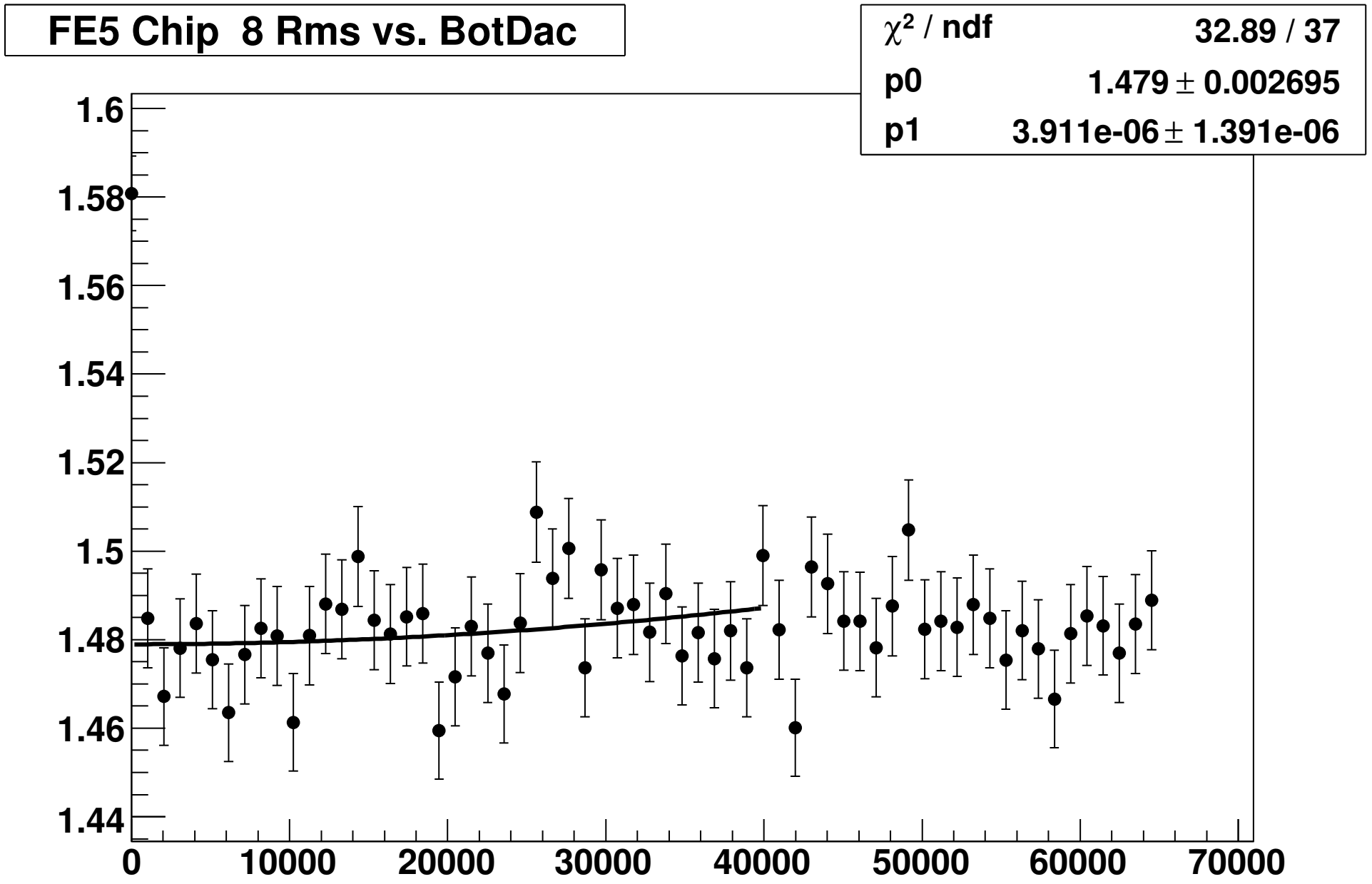
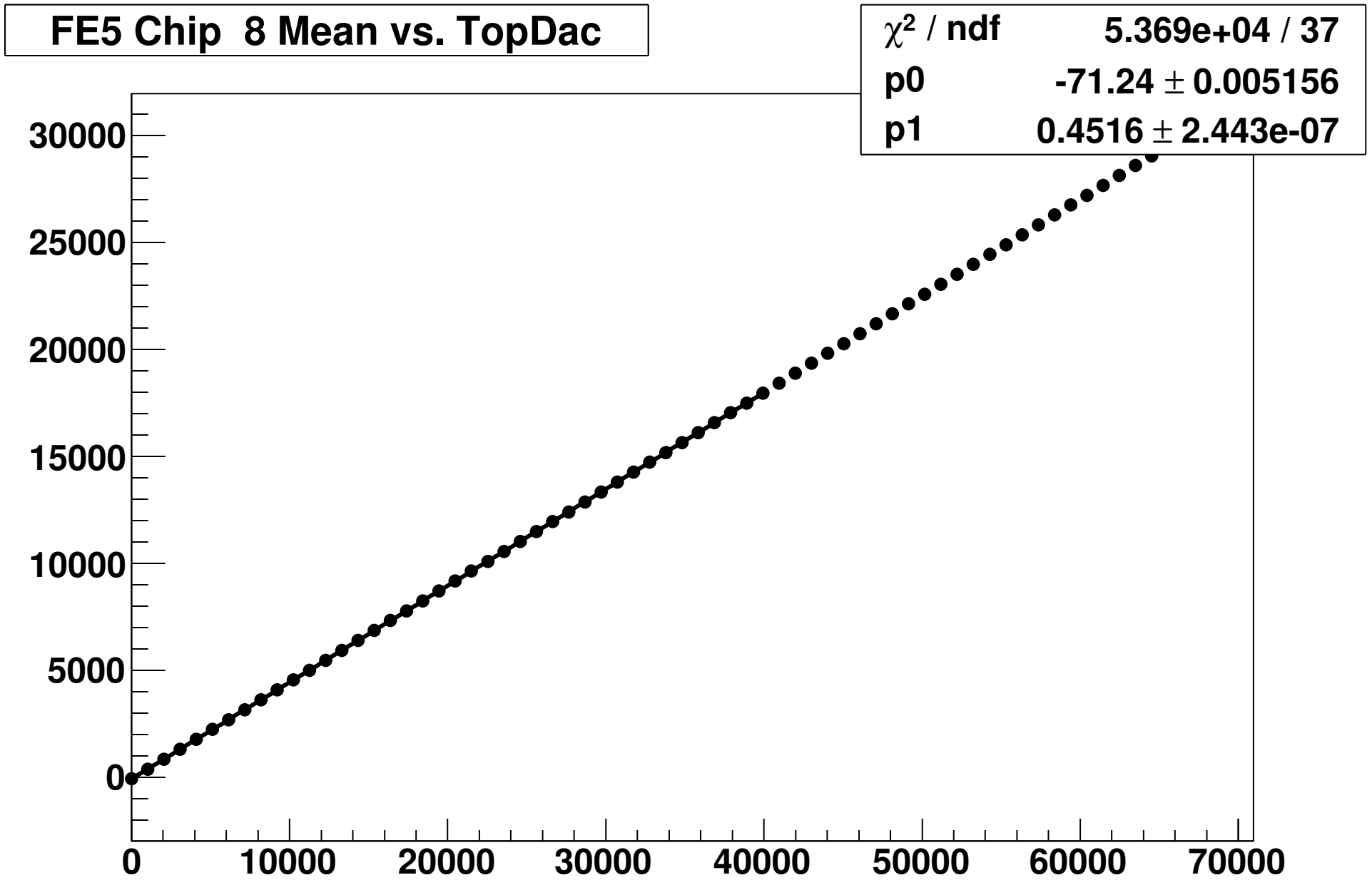

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 984.7 / 37
p0 -70.63 ± 0.005121
p1 -5.567e-06 ± 2.183e-07
-70.5
-70.6
-70.7
-70.8
-70.9
-71
-71.1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 32.89 / 37
p0 1.479 ± 0.002695
p1 3.911e-06 ± 1.391e-06
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


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 5.369e+04 / 37
p0 -71.24 ± 0.005156
p1 0.4516 ± 2.443e-07
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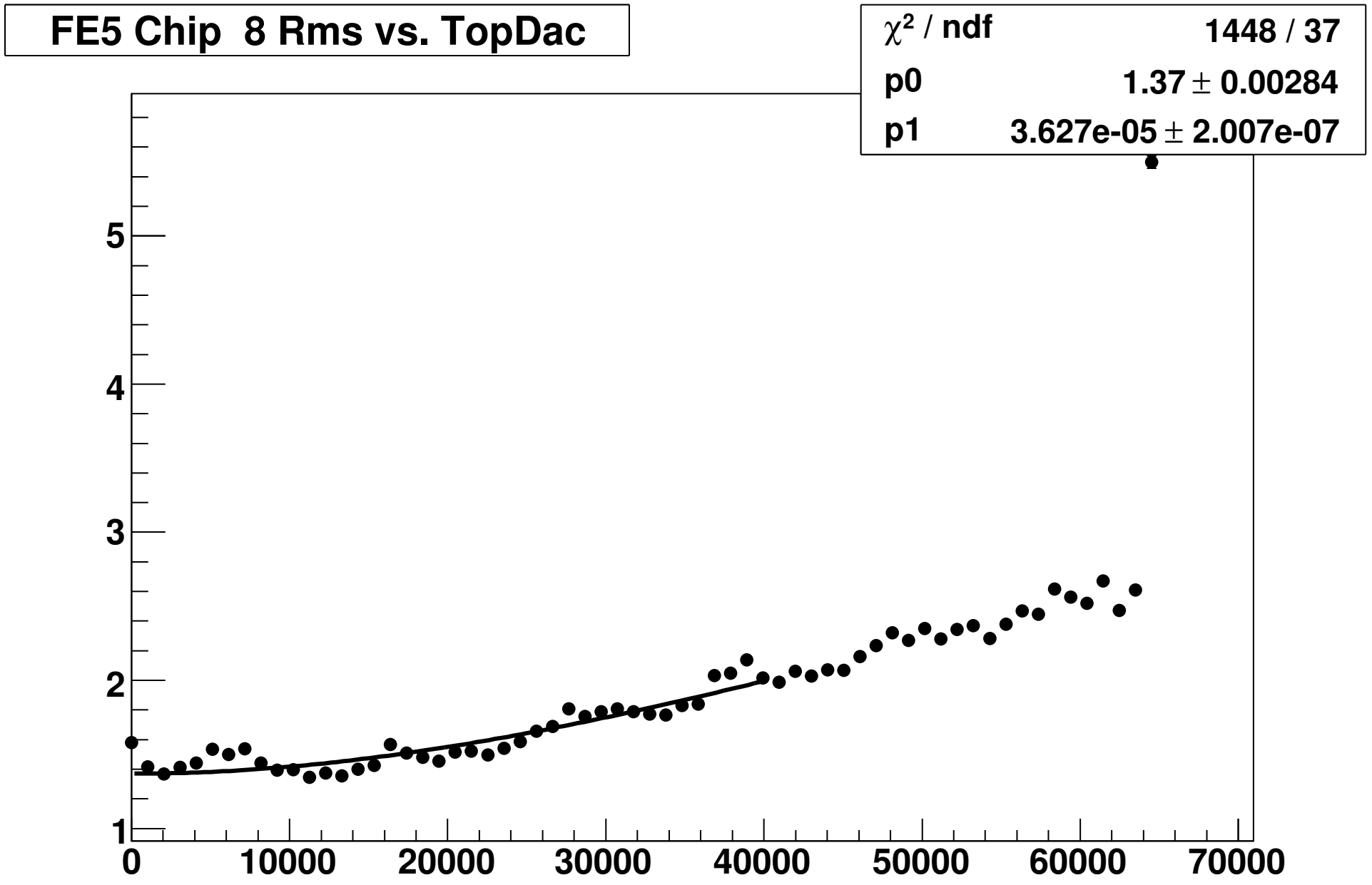
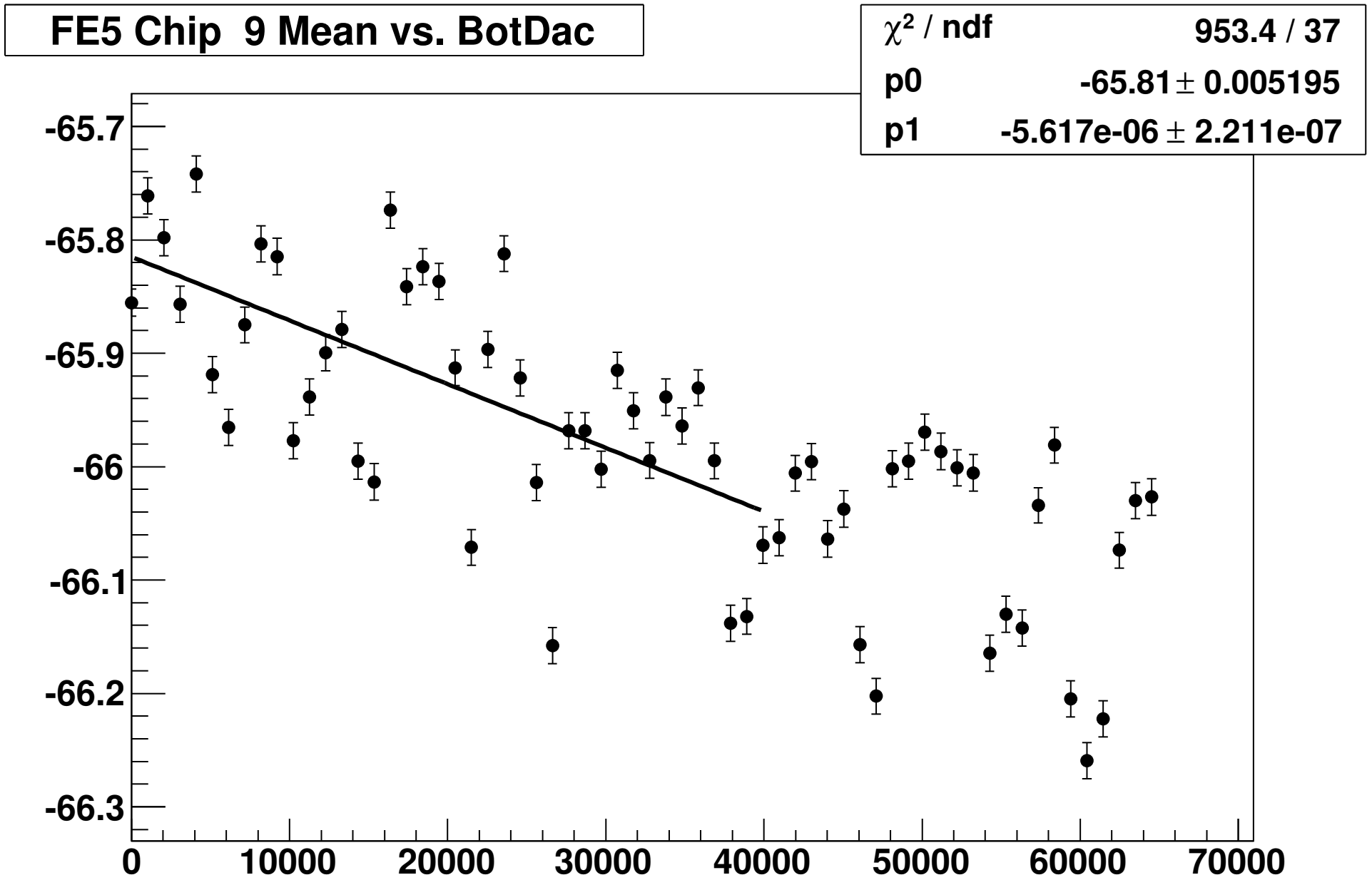
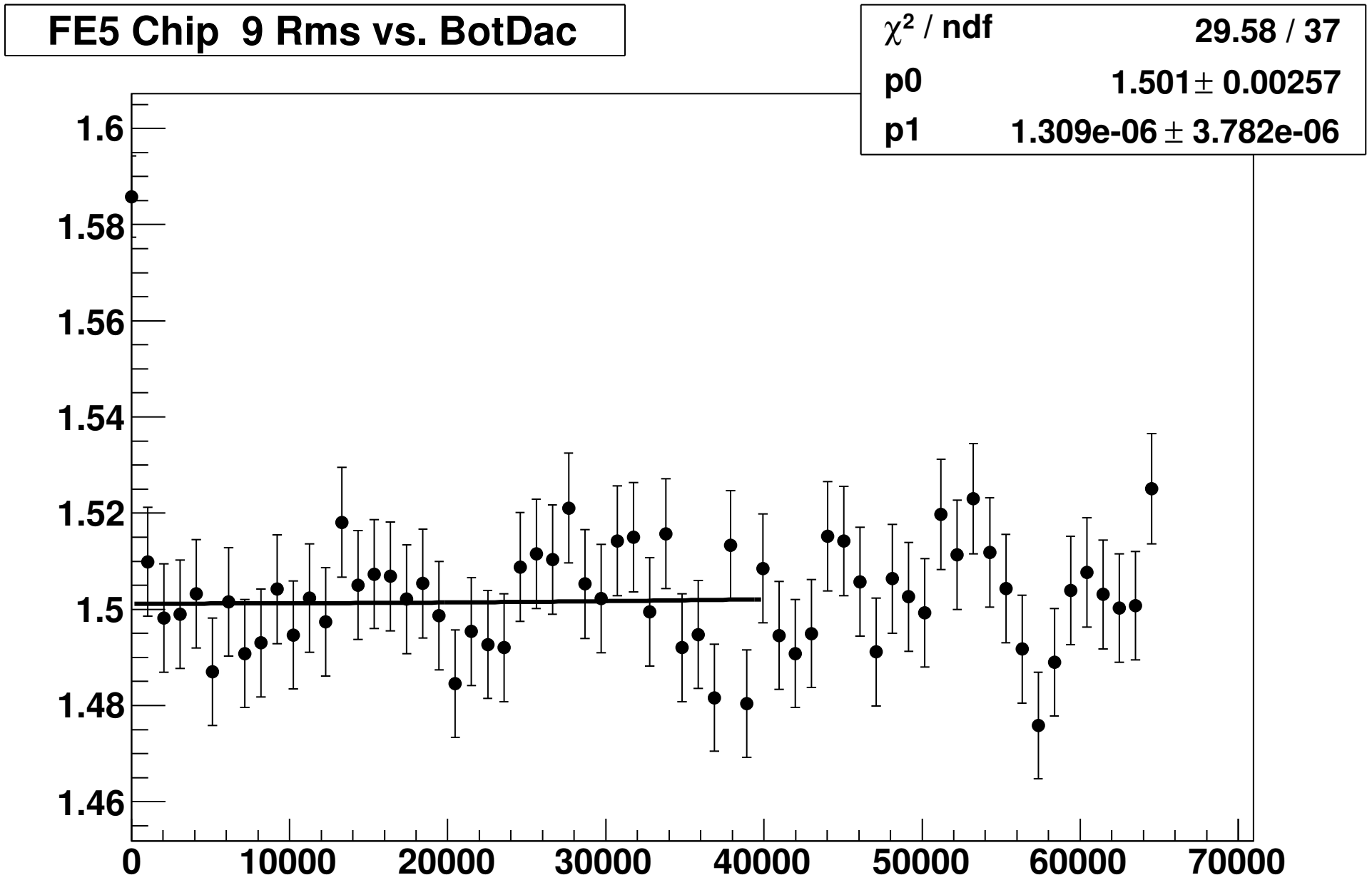
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1448 / 37
p0 1.37 ± 0.00284
p1 3.627e-05 ± 2.007e-07
1
2
3
4
5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 953.4 / 37
p0 -65.81 ± 0.005195
p1 -5.617e-06 ± 2.211e-07
-65.7
-65.8
-65.9
-66
-66.1
-66.2
-66.3
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 29.58 / 37
p0 1.501 ± 0.00257
p1 1.309e-06 ± 3.782e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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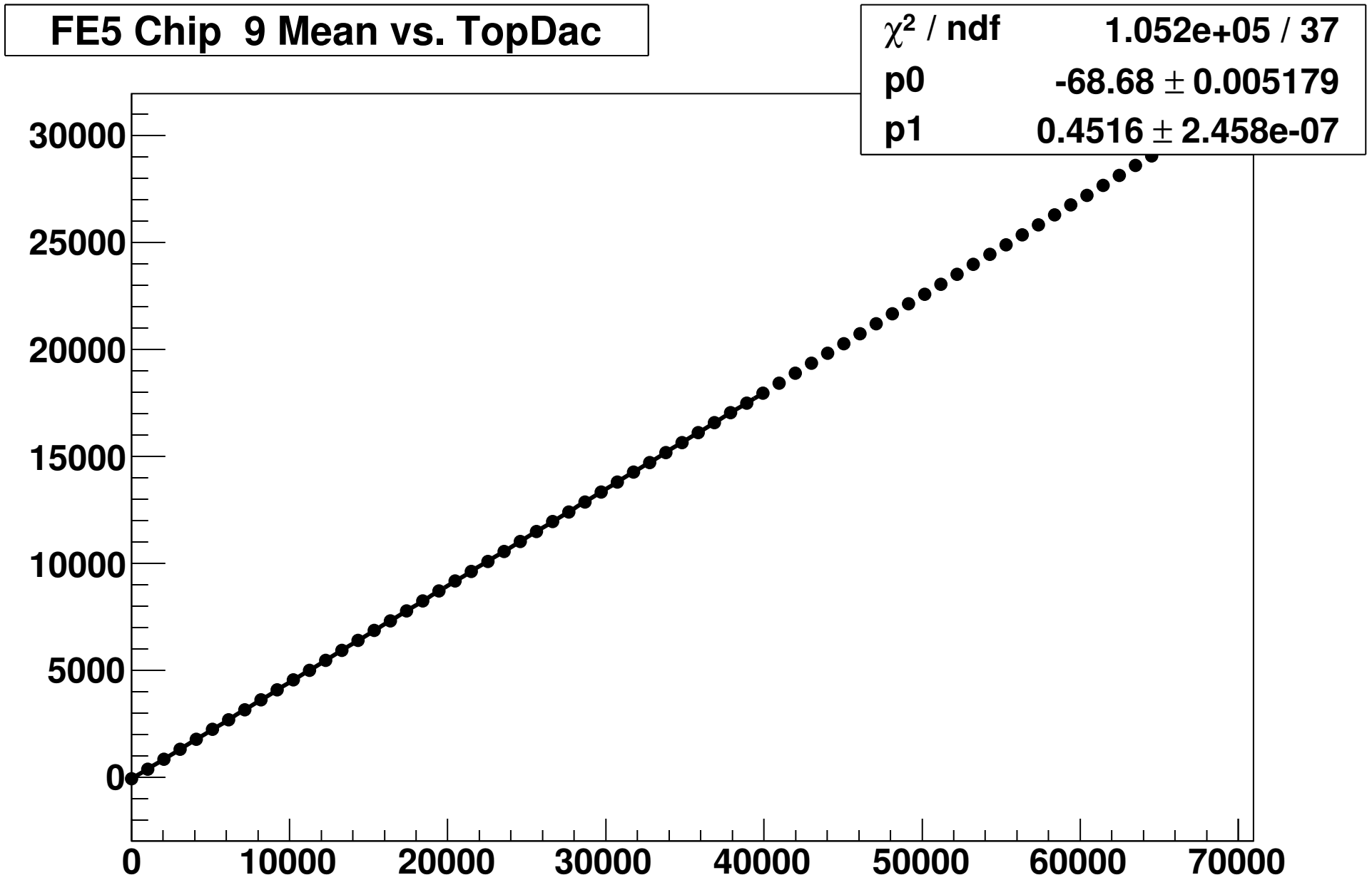
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.052e+05 / 37
p0 -68.68 ± 0.005179
p1 0.4516 ± 2.458e-07
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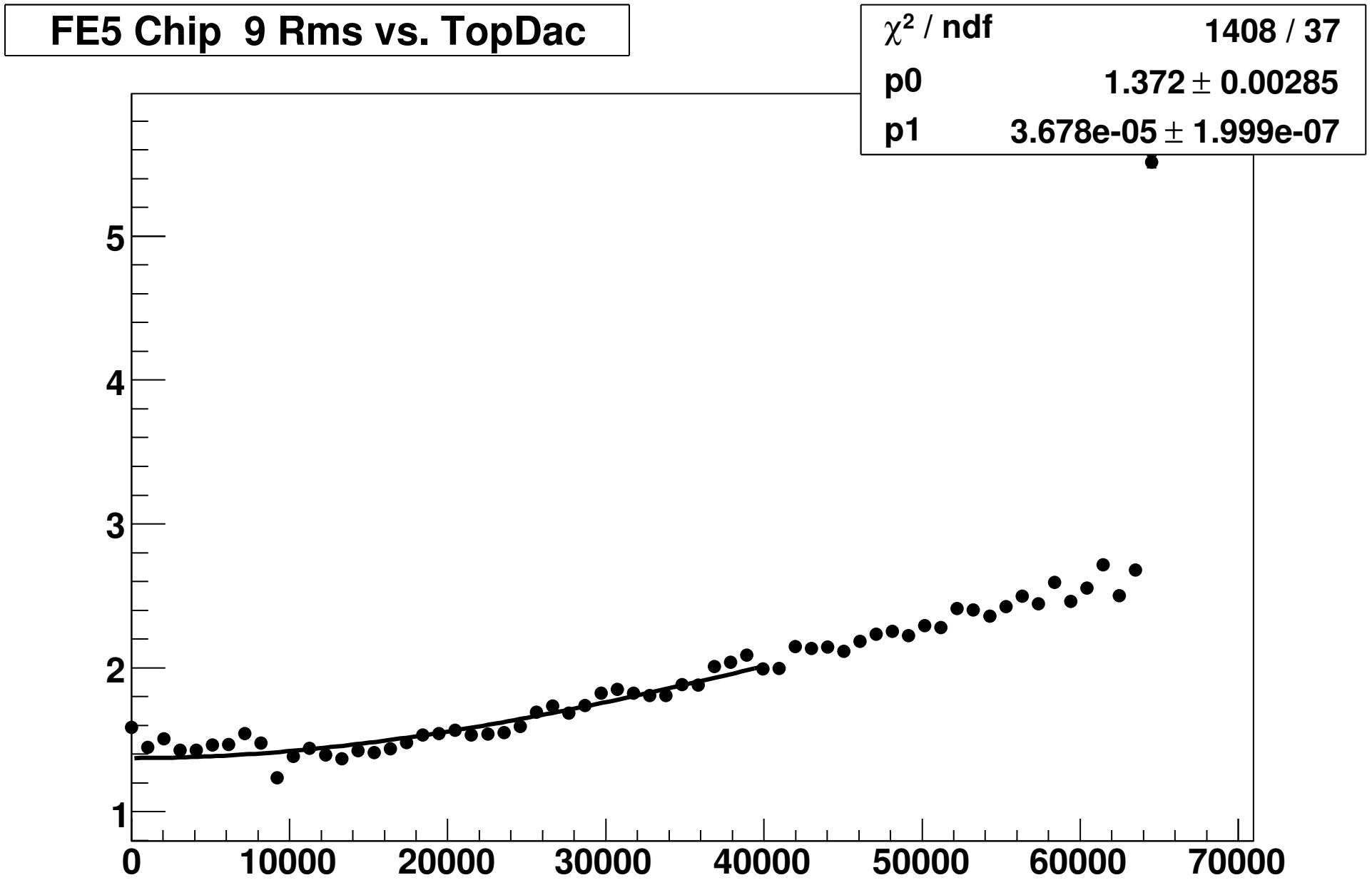
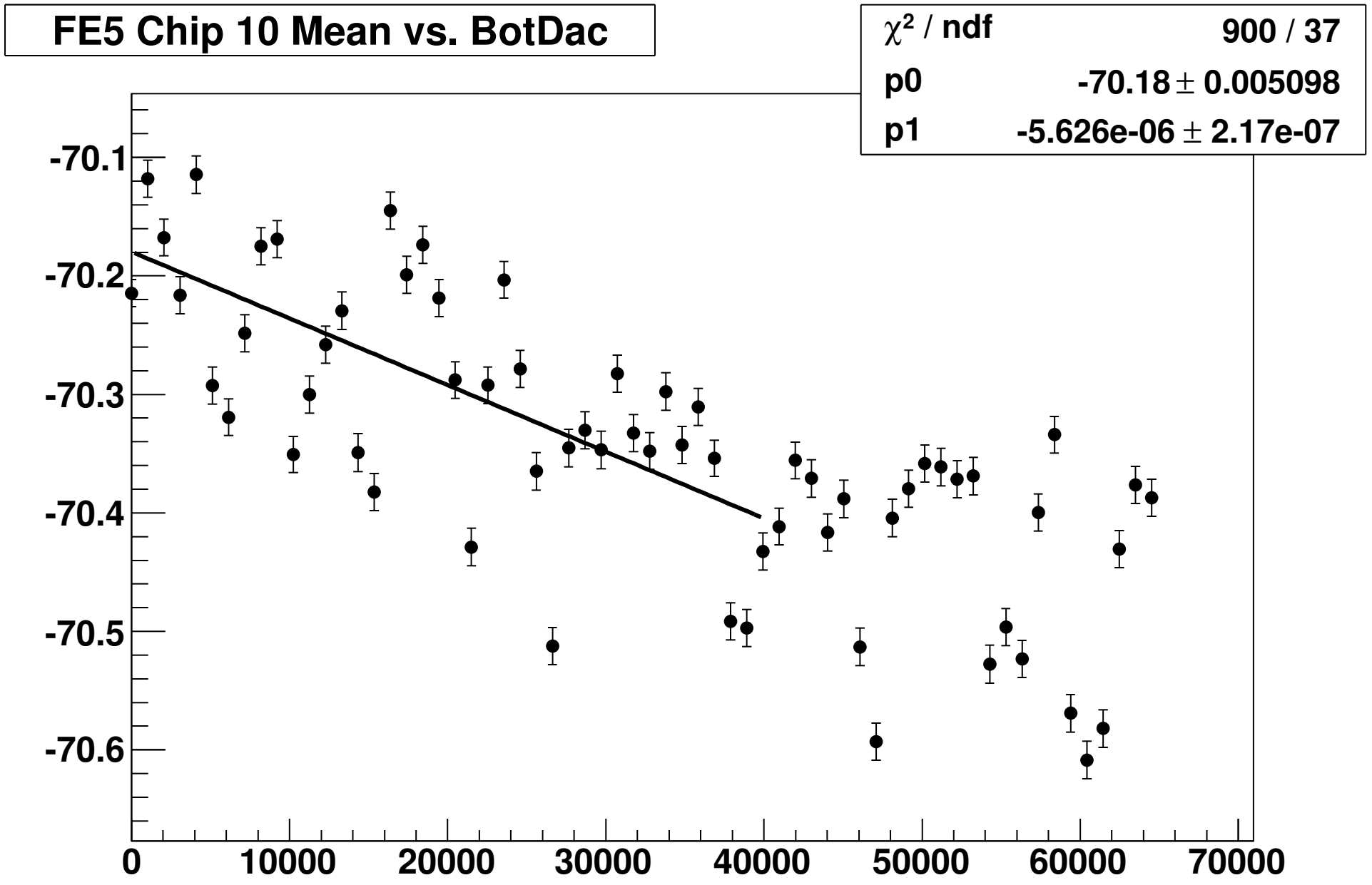
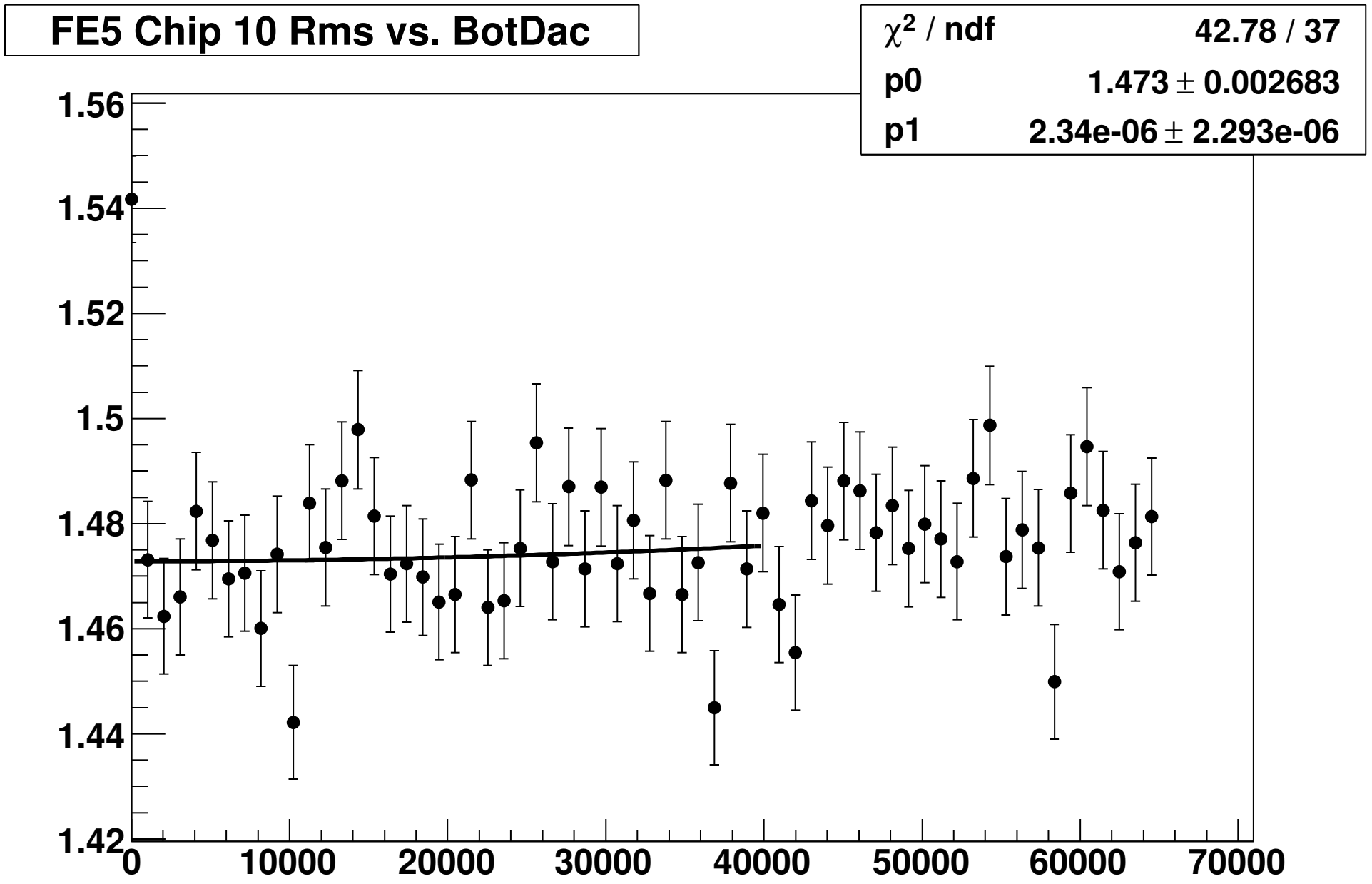
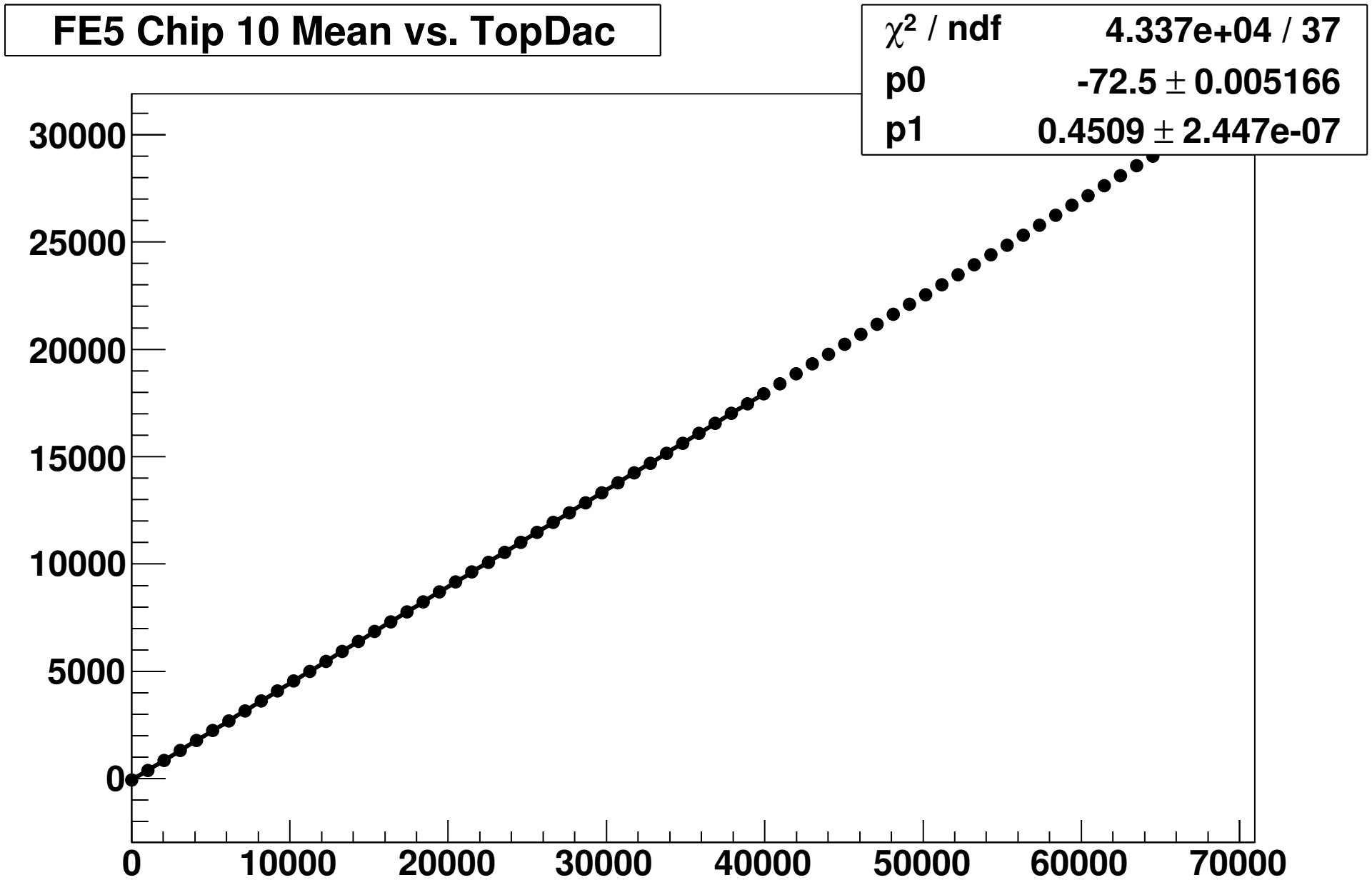
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1408 / 37
p0 1.372 ± 0.00285
p1 3.678e-05 ± 1.999e-07
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 900 / 37
p0 -70.18 ± 0.005098
p1 -5.626e-06 ± 2.17e-07
-70.1
-70.2
-70.3
-70.4
-70.5
-70.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 42.78 / 37
p0 1.473 ± 0.002683
p1 2.34e-06 ± 2.293e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 4.337e+04 / 37
p0 -72.5 ± 0.005166
p1 0.4509 ± 2.447e-07
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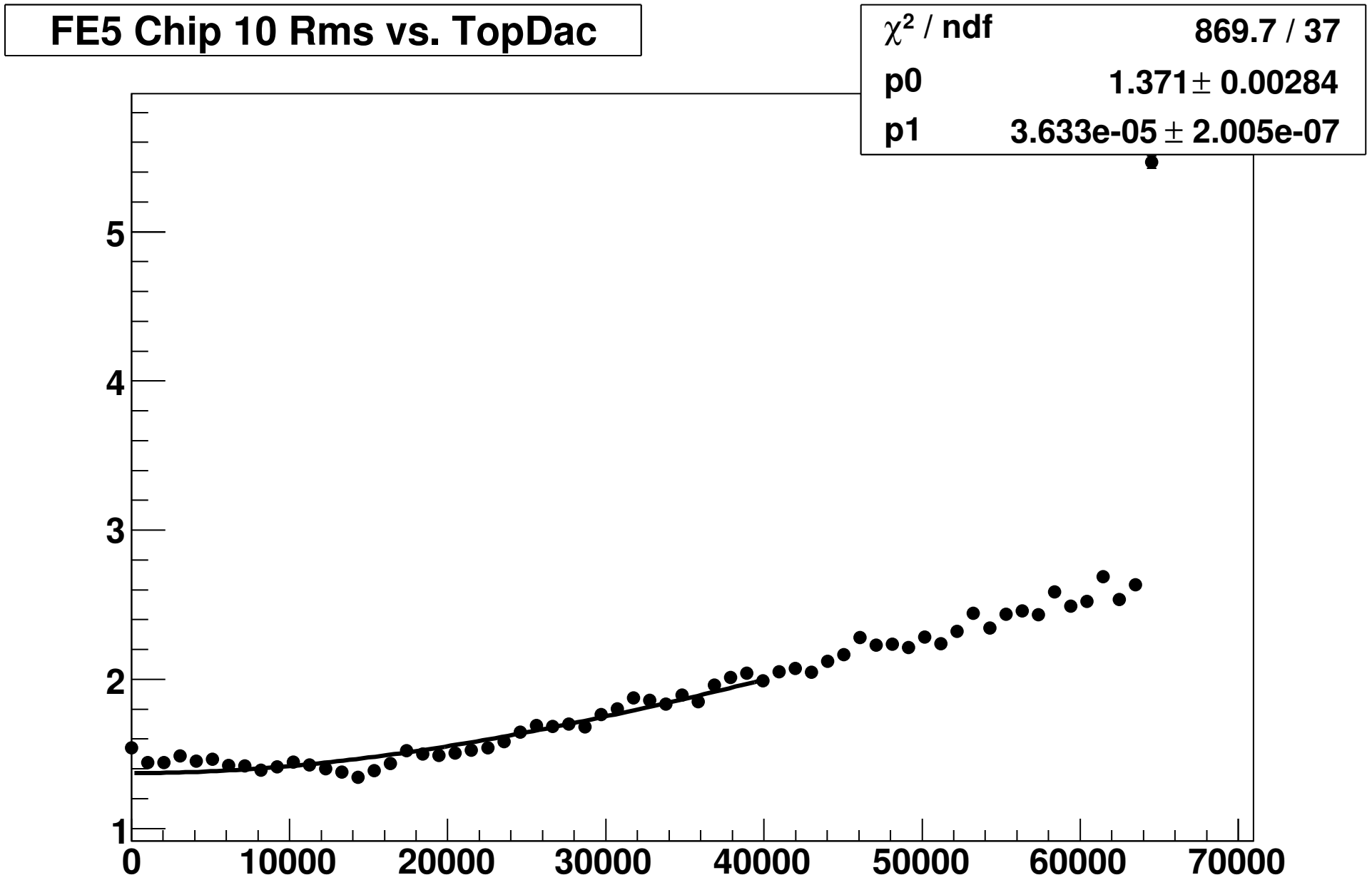
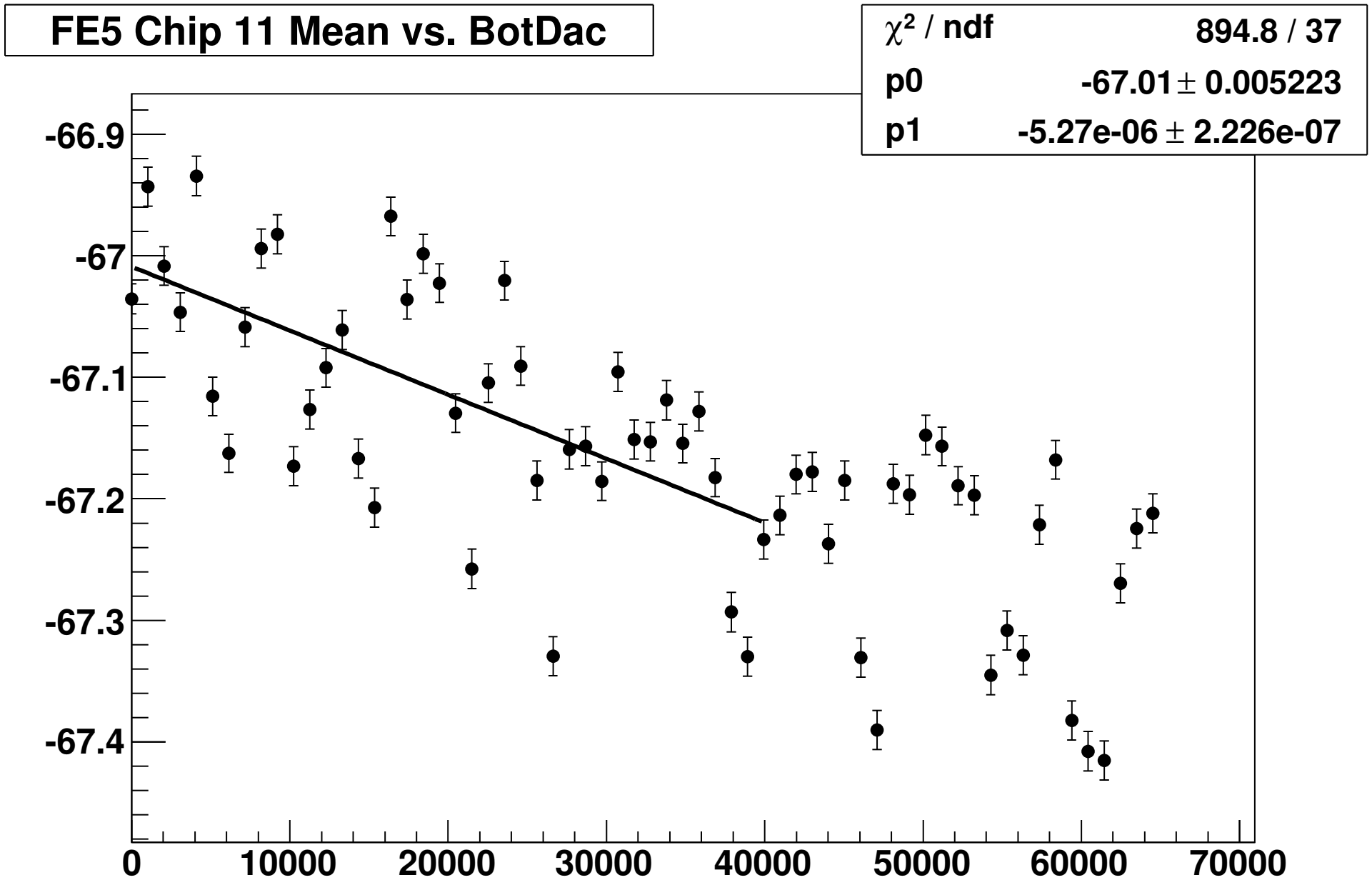
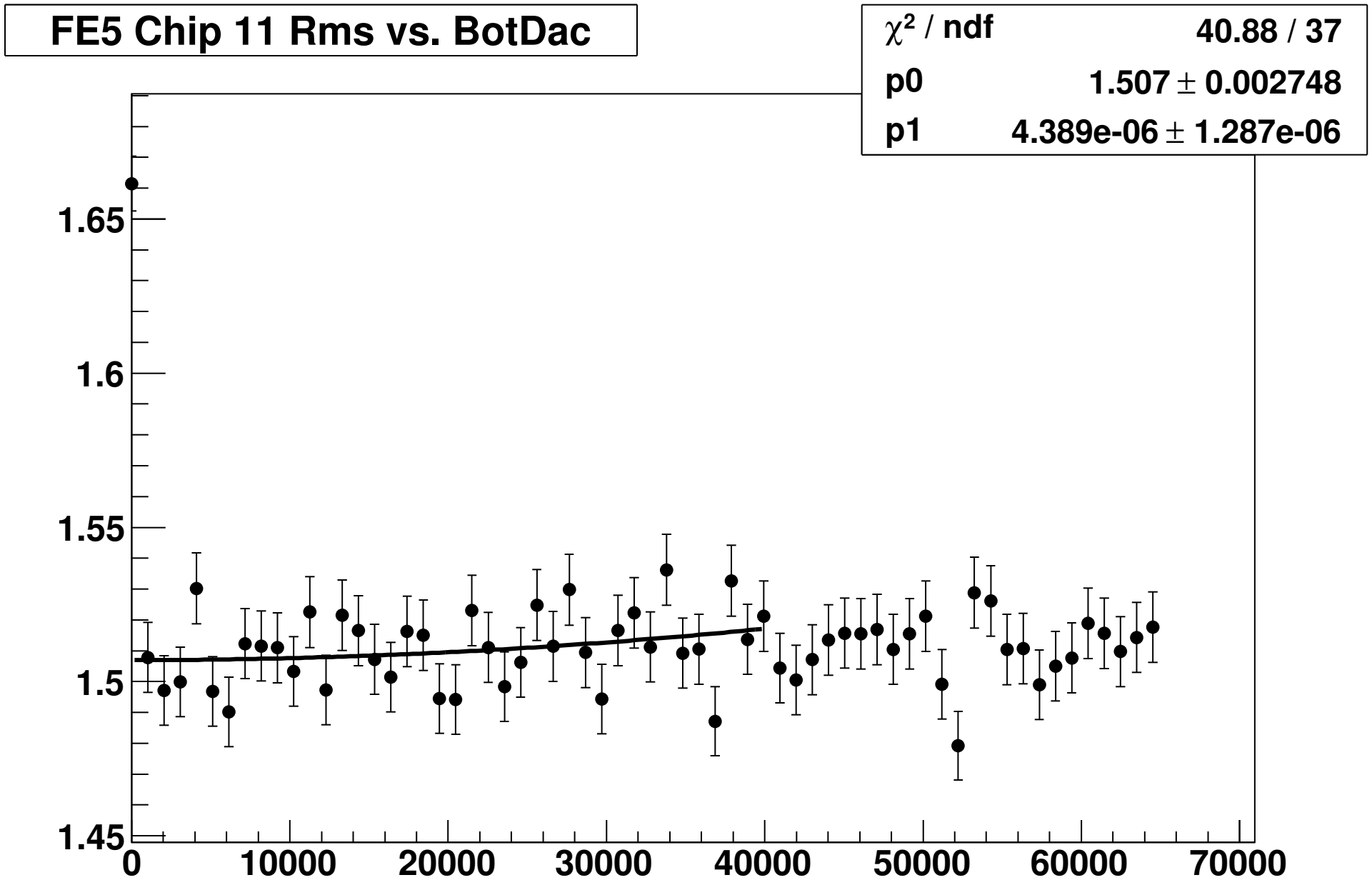
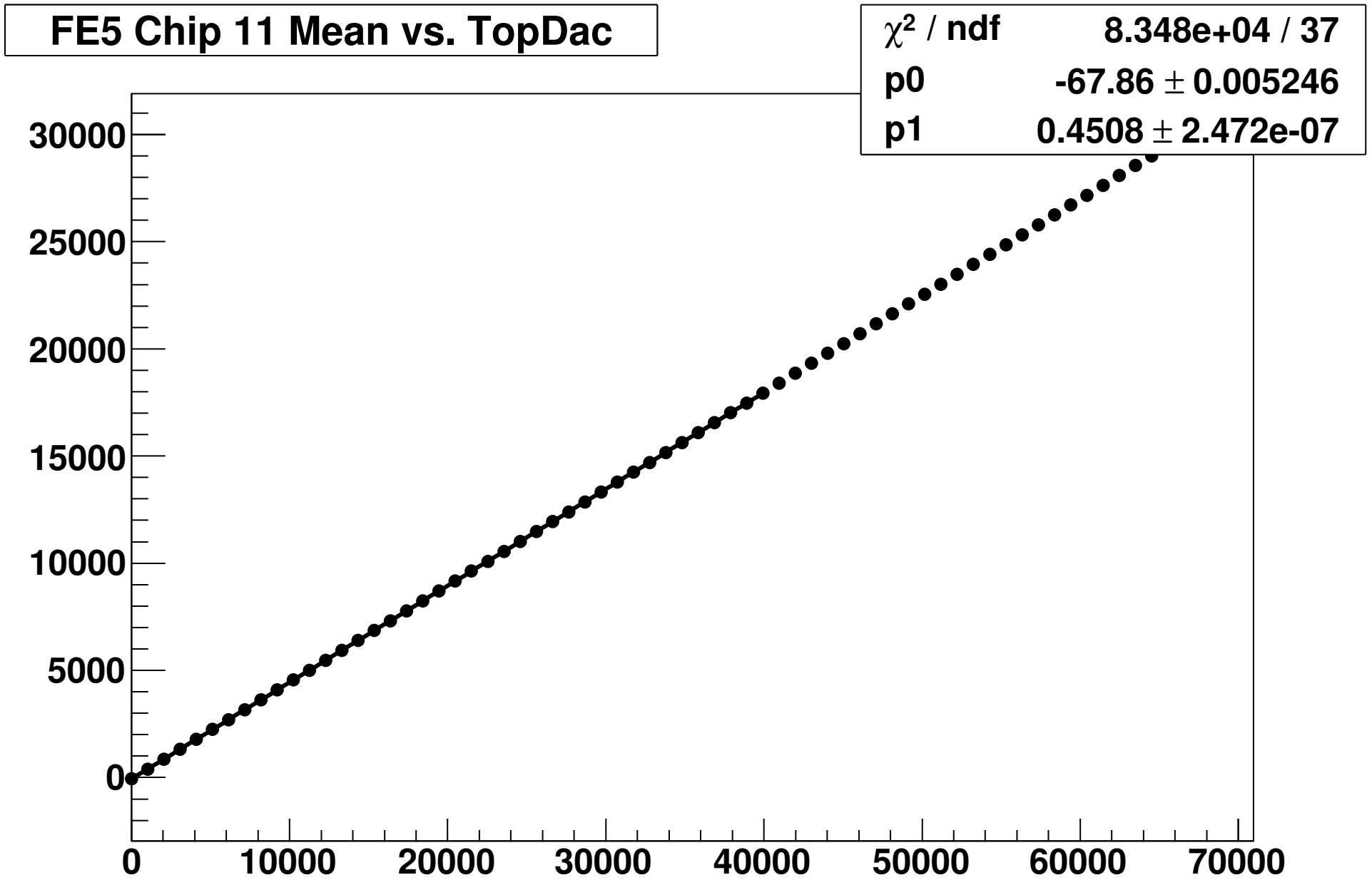
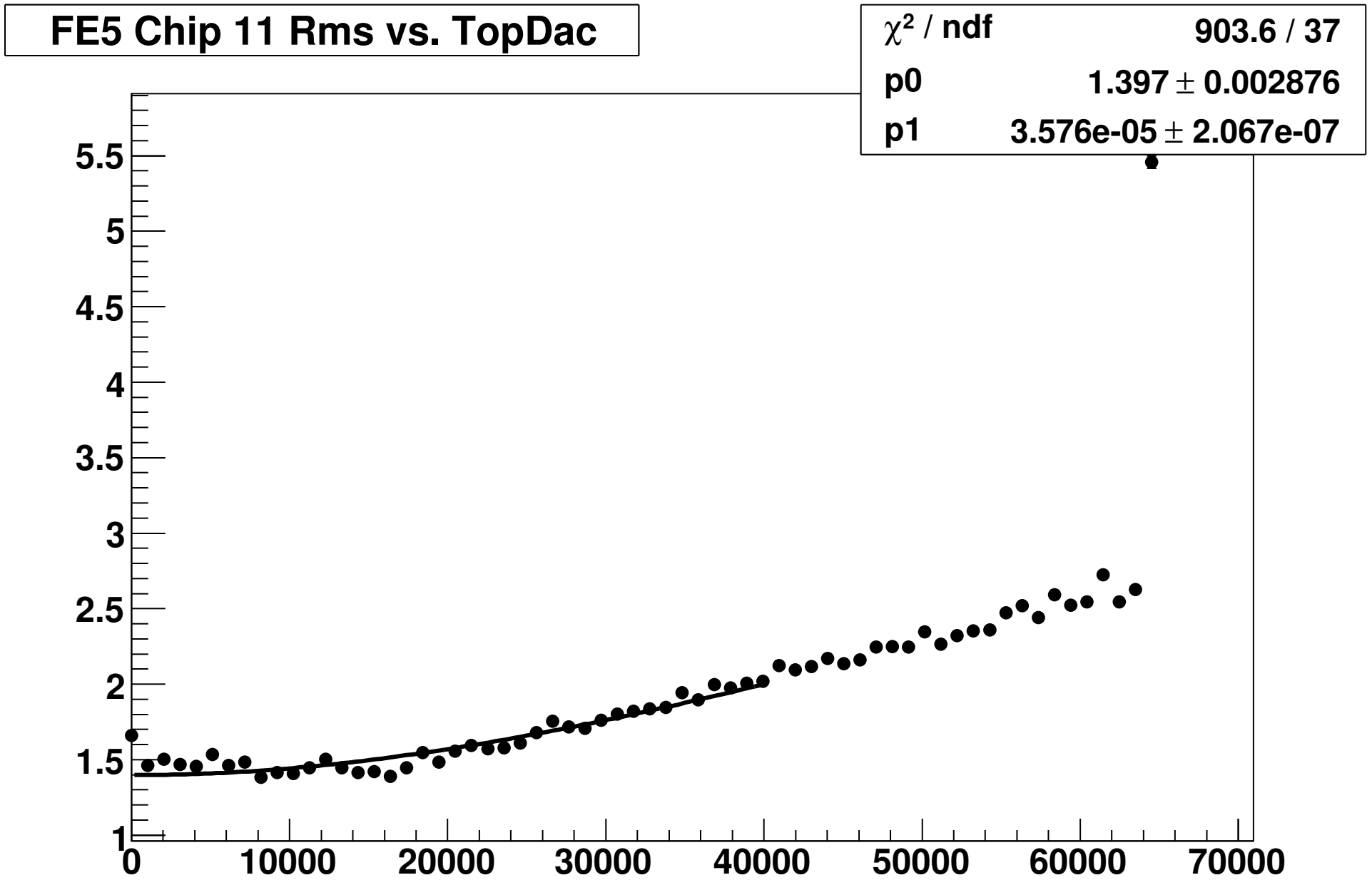
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 869.7 / 37
p0 1.371 ± 0.00284
p1 3.633e-05 ± 2.005e-07
1
2
3
4
5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 894.8 / 37
p0 -67.01 ± 0.005223
p1 -5.27e-06 ± 2.226e-07
-66.9
-67
-67.1
-67.2
-67.3
-67.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 40.88 / 37
p0 1.507 ± 0.002748
p1 4.389e-06 ± 1.287e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 8.348e+04 / 37
p0 -67.86 ± 0.005246
p1 0.4508 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 903.6 / 37
p0 1.397 ± 0.002876
p1 3.576e-05 ± 2.067e-07
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0
10000
20000
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40000
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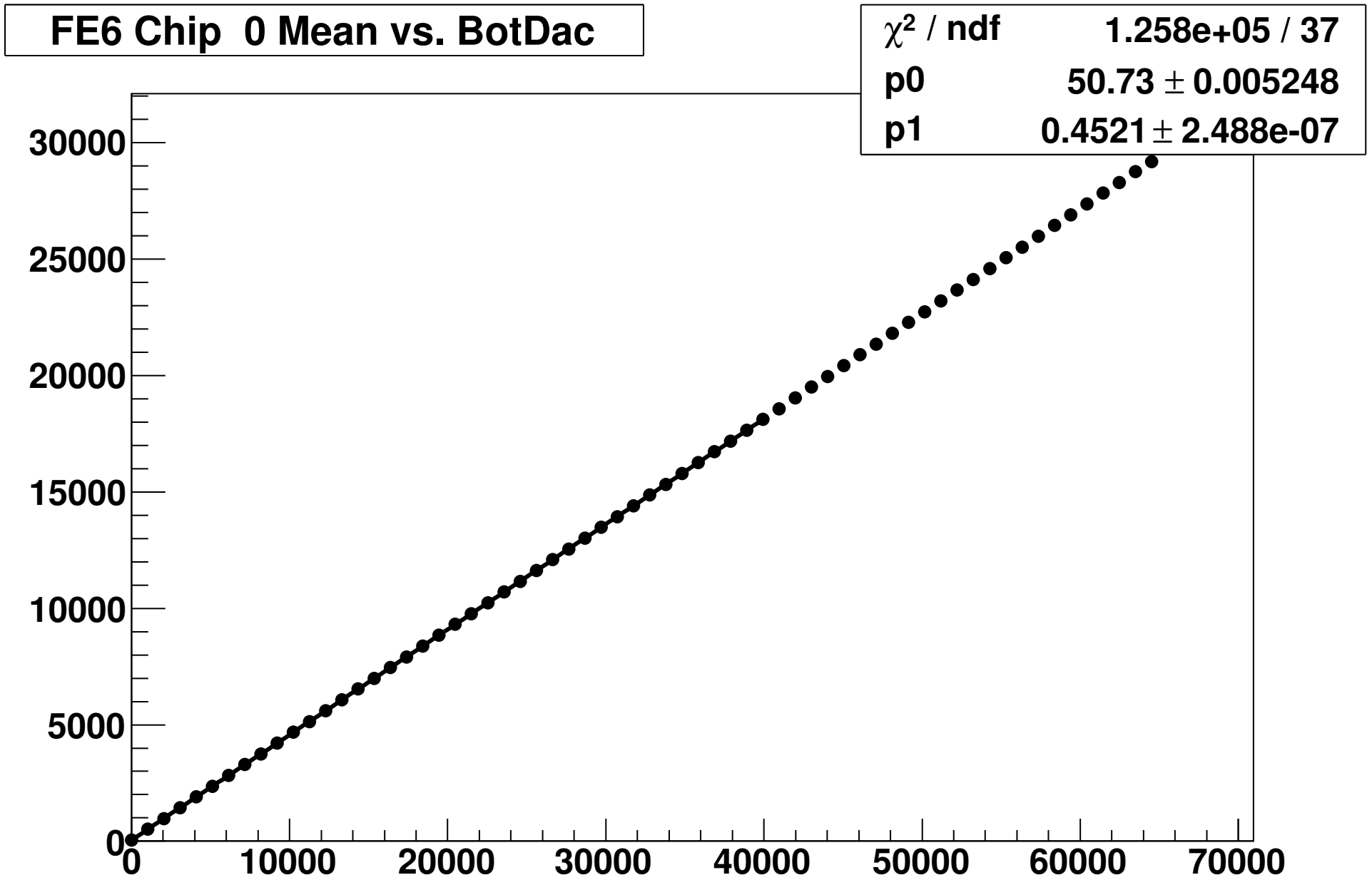
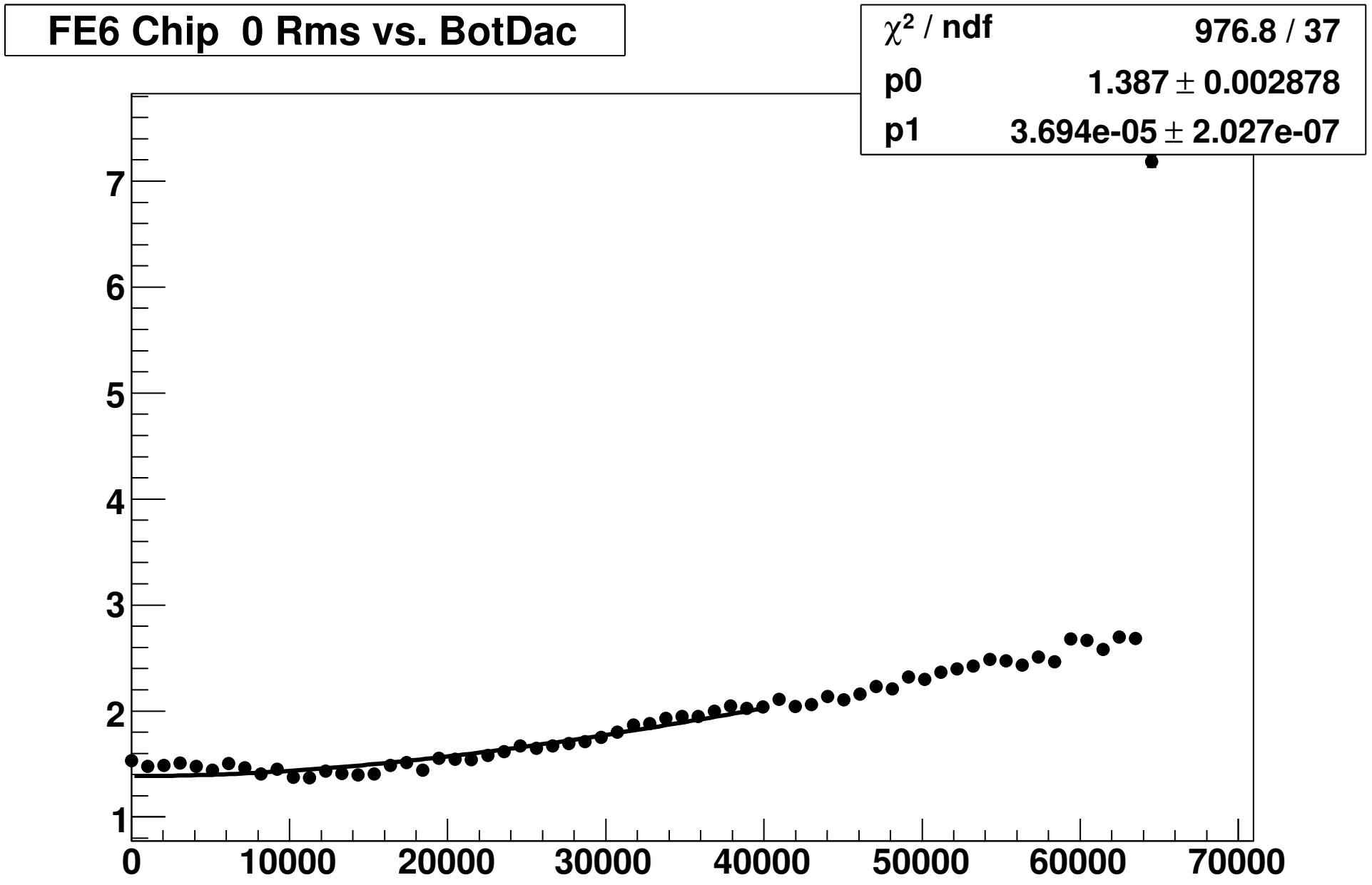
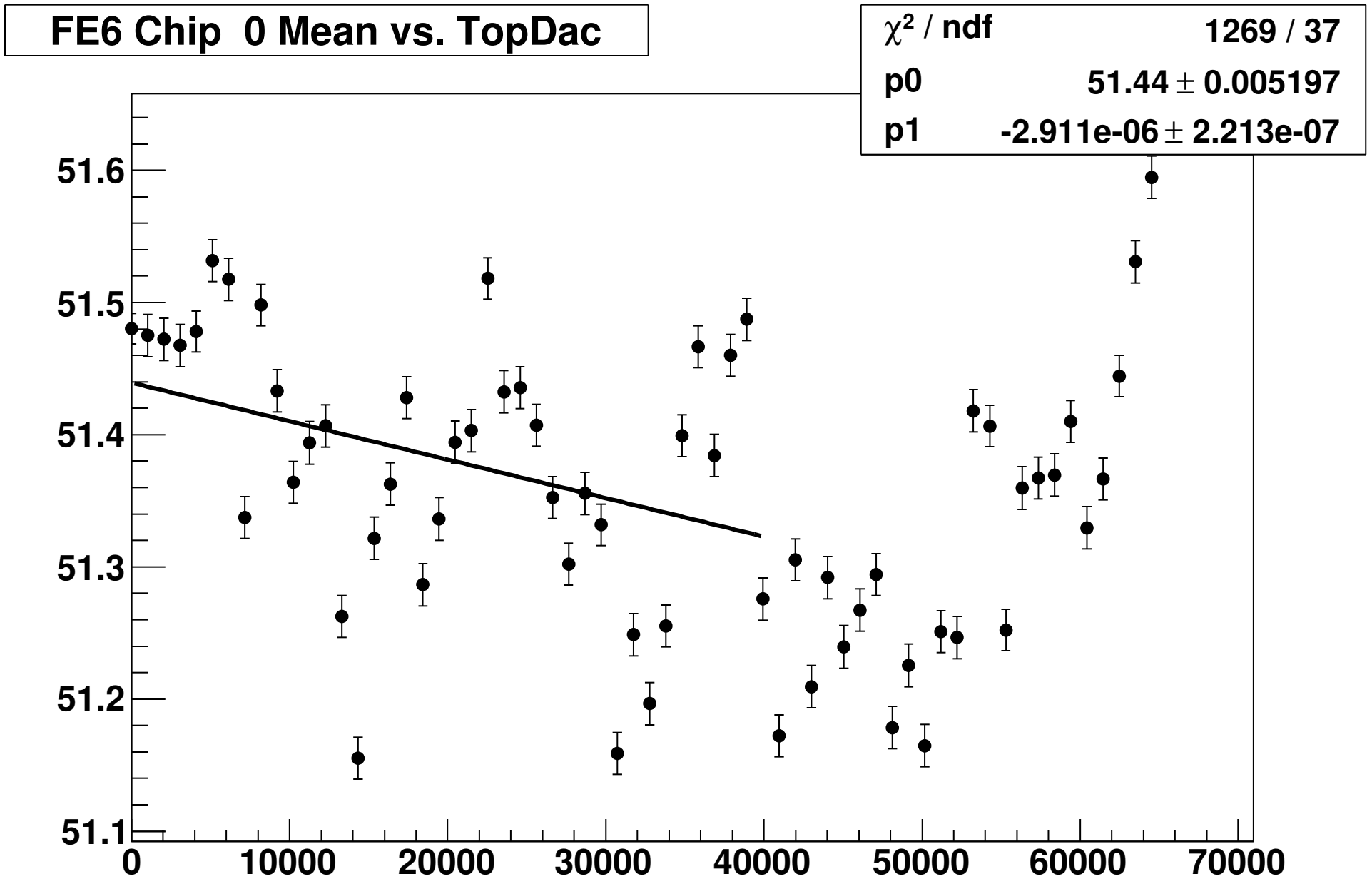
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.258e+05 / 37
p0 50.73 ± 0.005248
p1 0.4521 ± 2.488e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 976.8 / 37
p0 1.387 ± 0.002878
p1 3.694e-05 ± 2.027e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 1269 / 37
p0 51.44 ± 0.005197
p1 -2.911e-06 ± 2.213e-07
51.6
51.5
51.4
51.3
51.2
51.1
0
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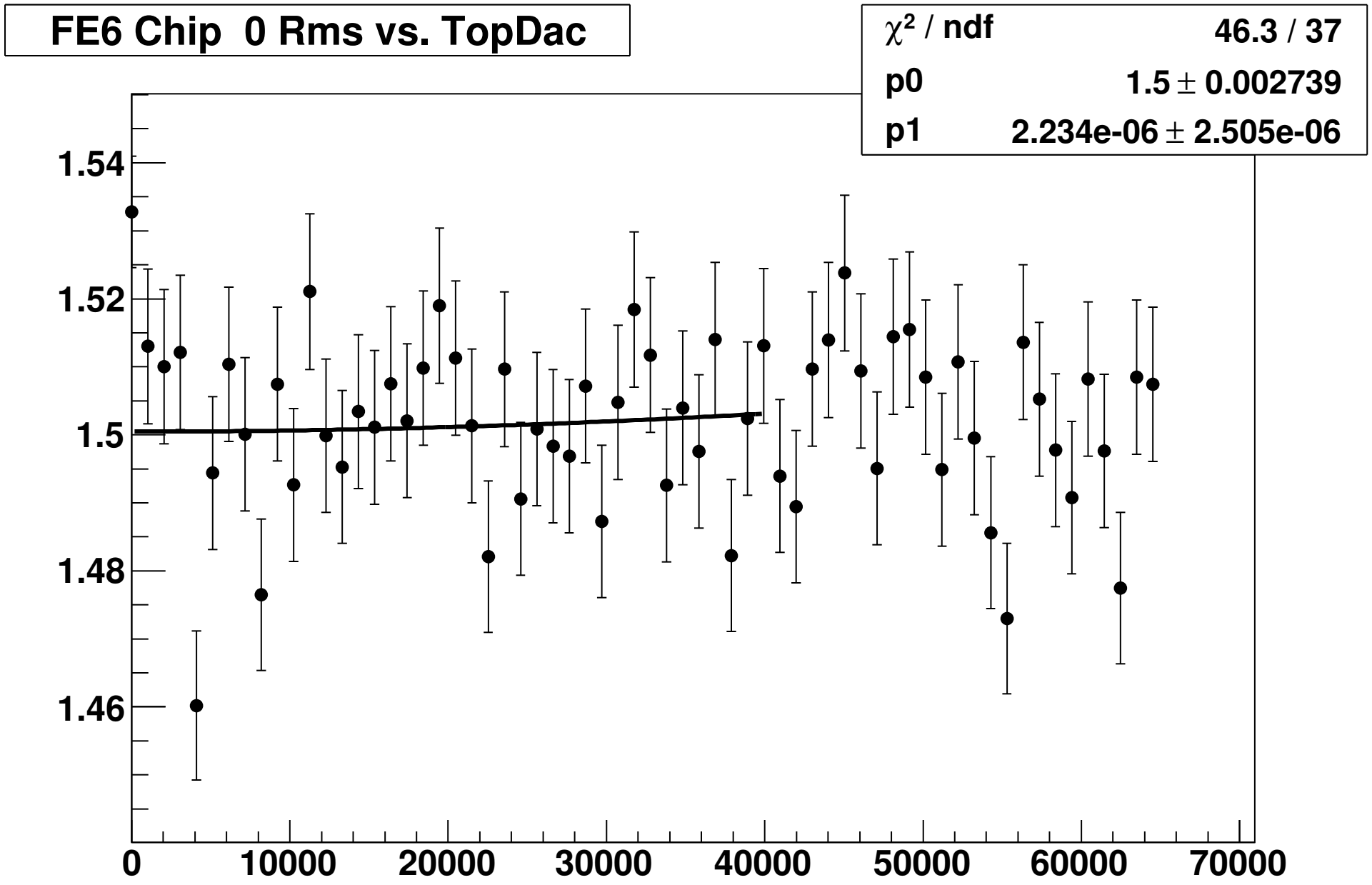
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 46.3 / 37
p0 1.5 ± 0.002739
p1 2.234e-06 ± 2.505e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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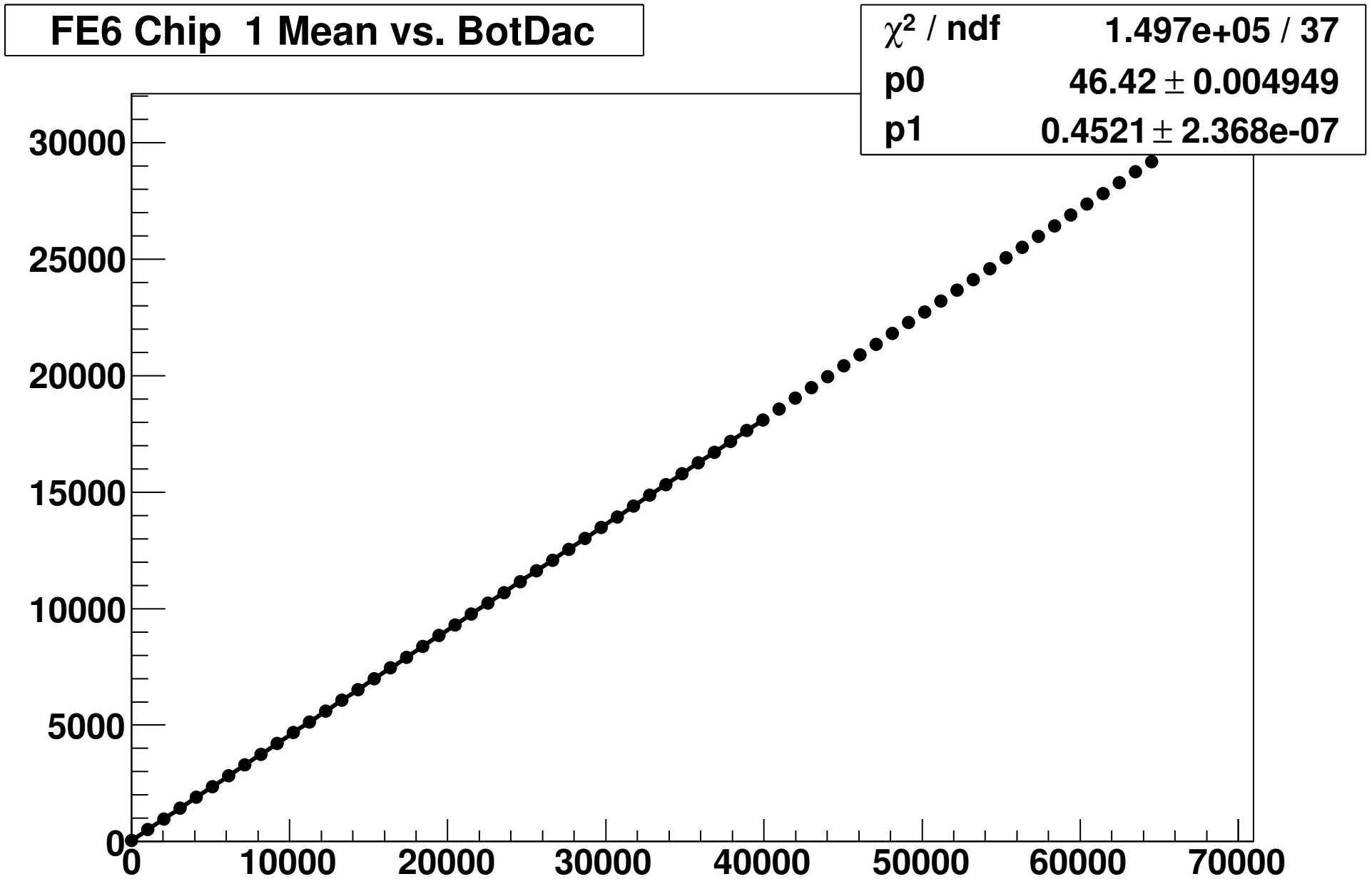
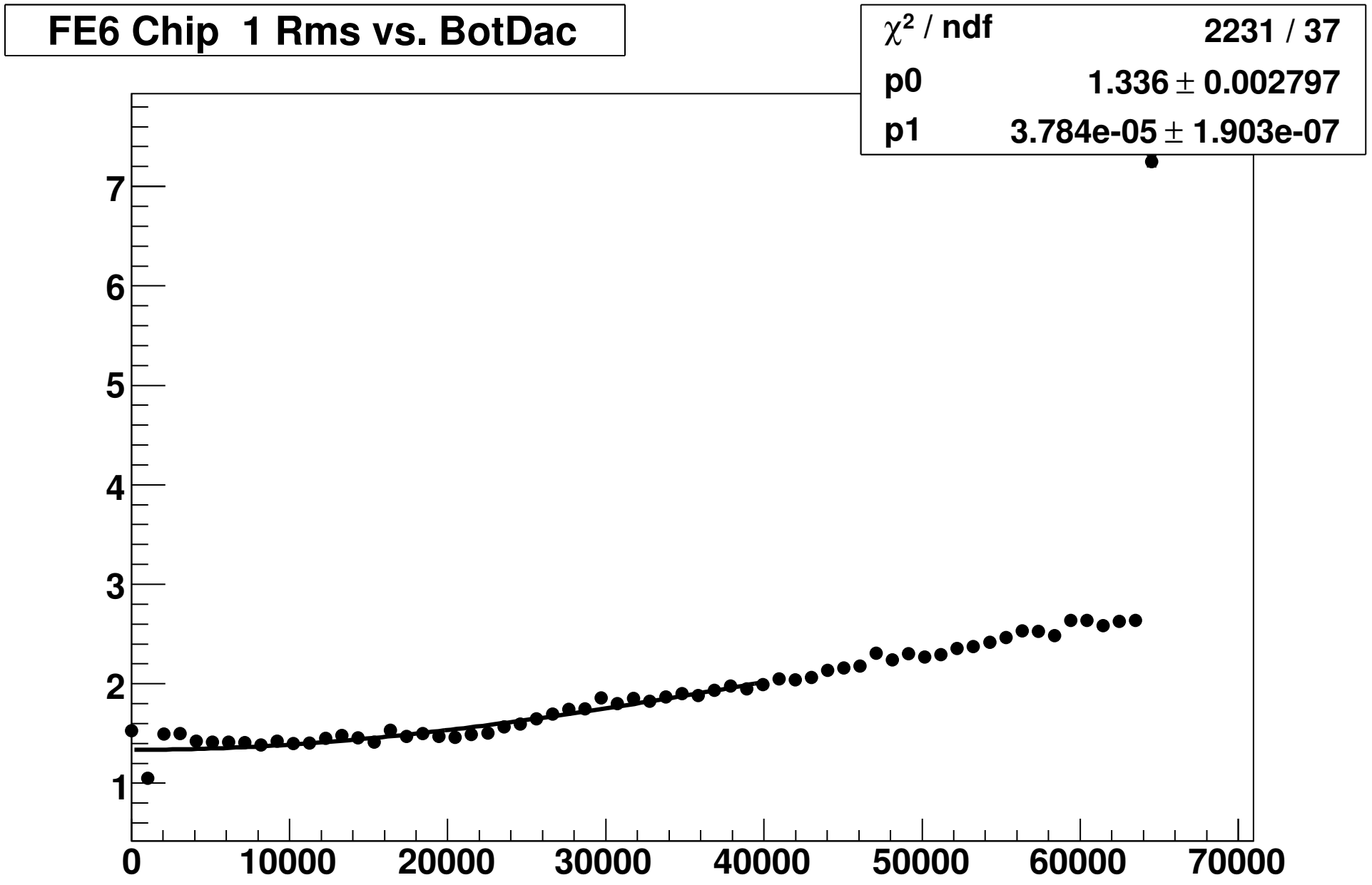

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.497e+05 / 37
p0 46.42 ± 0.004949
p1 0.4521 ± 2.368e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 2231 / 37
p0 1.336 ± 0.002797
p1 3.784e-05 ± 1.903e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
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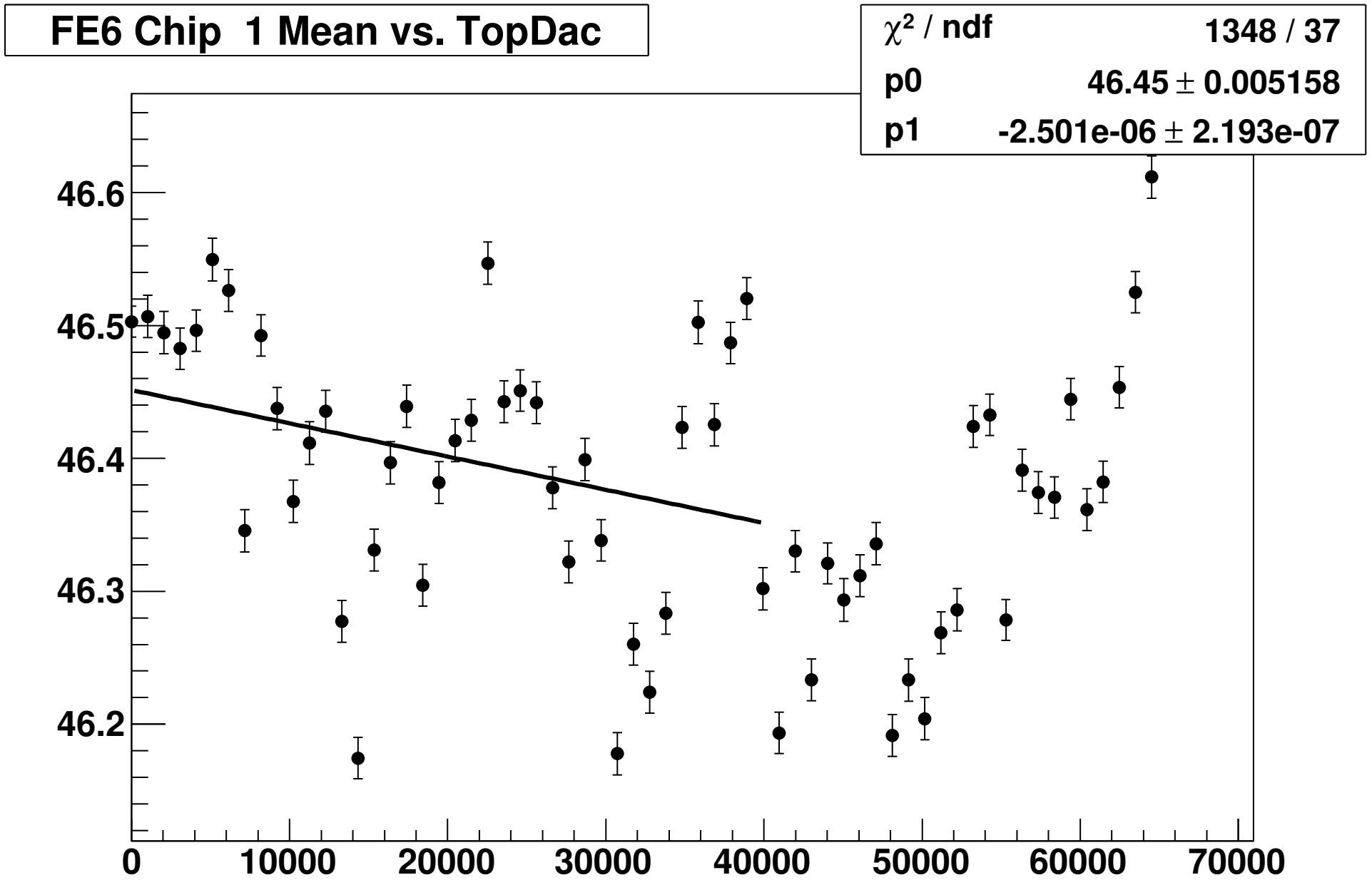
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 1348 / 37
p0 46.45 ± 0.005158
p1 -2.501e-06 ± 2.193e-07
46.6
46.5
46.4
46.3
46.2
0
10000
20000
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40000
50000
60000
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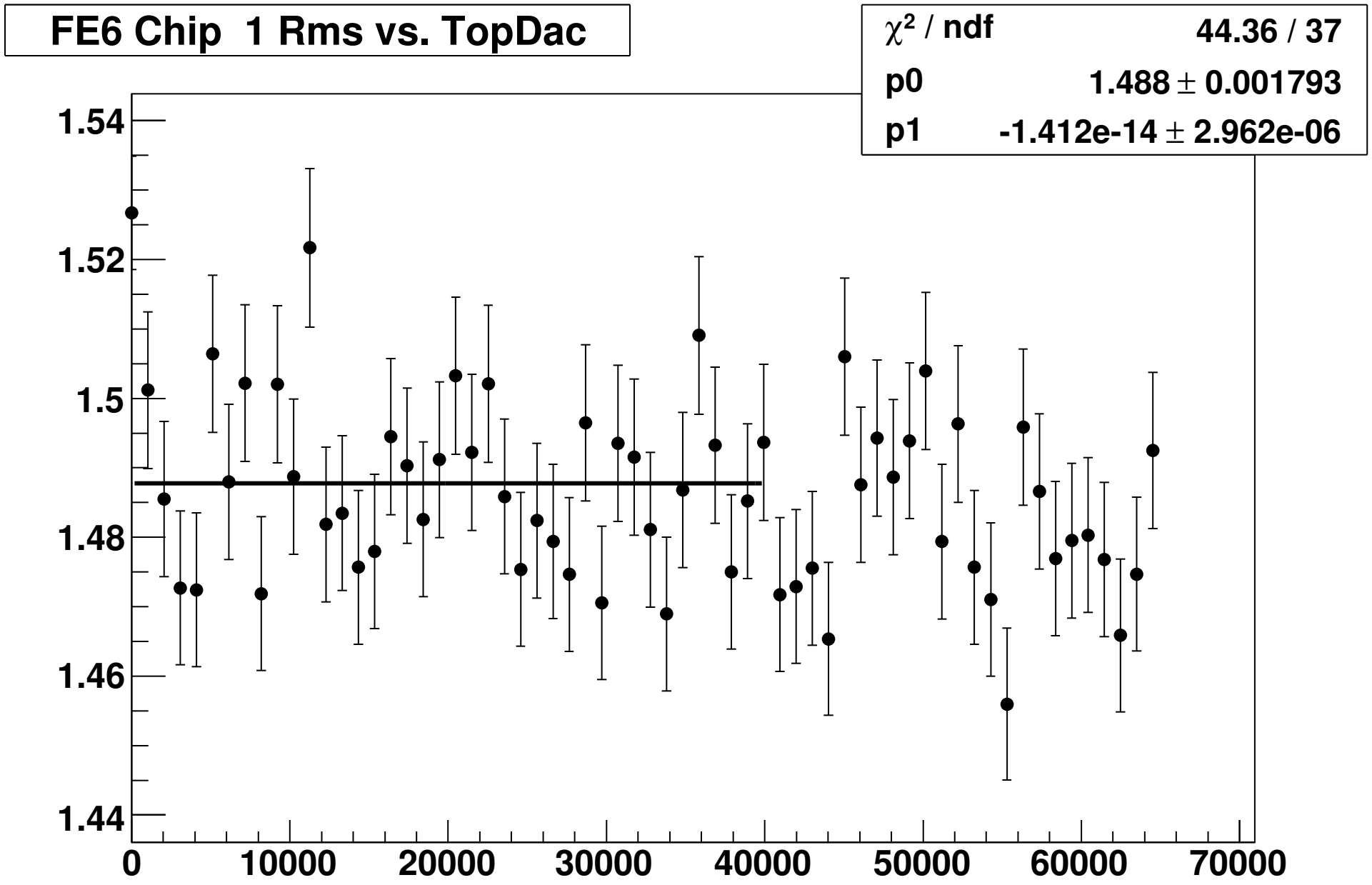
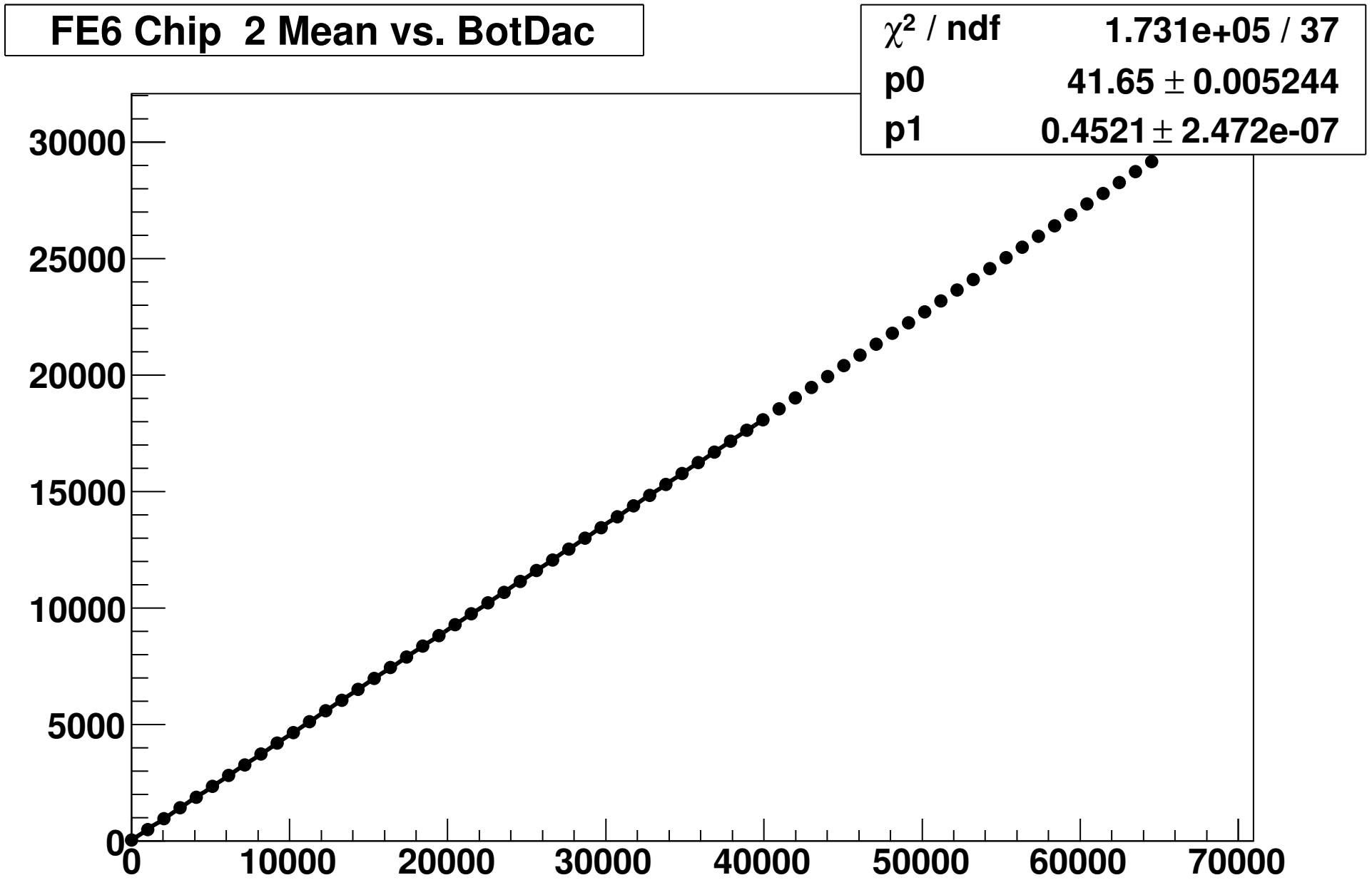
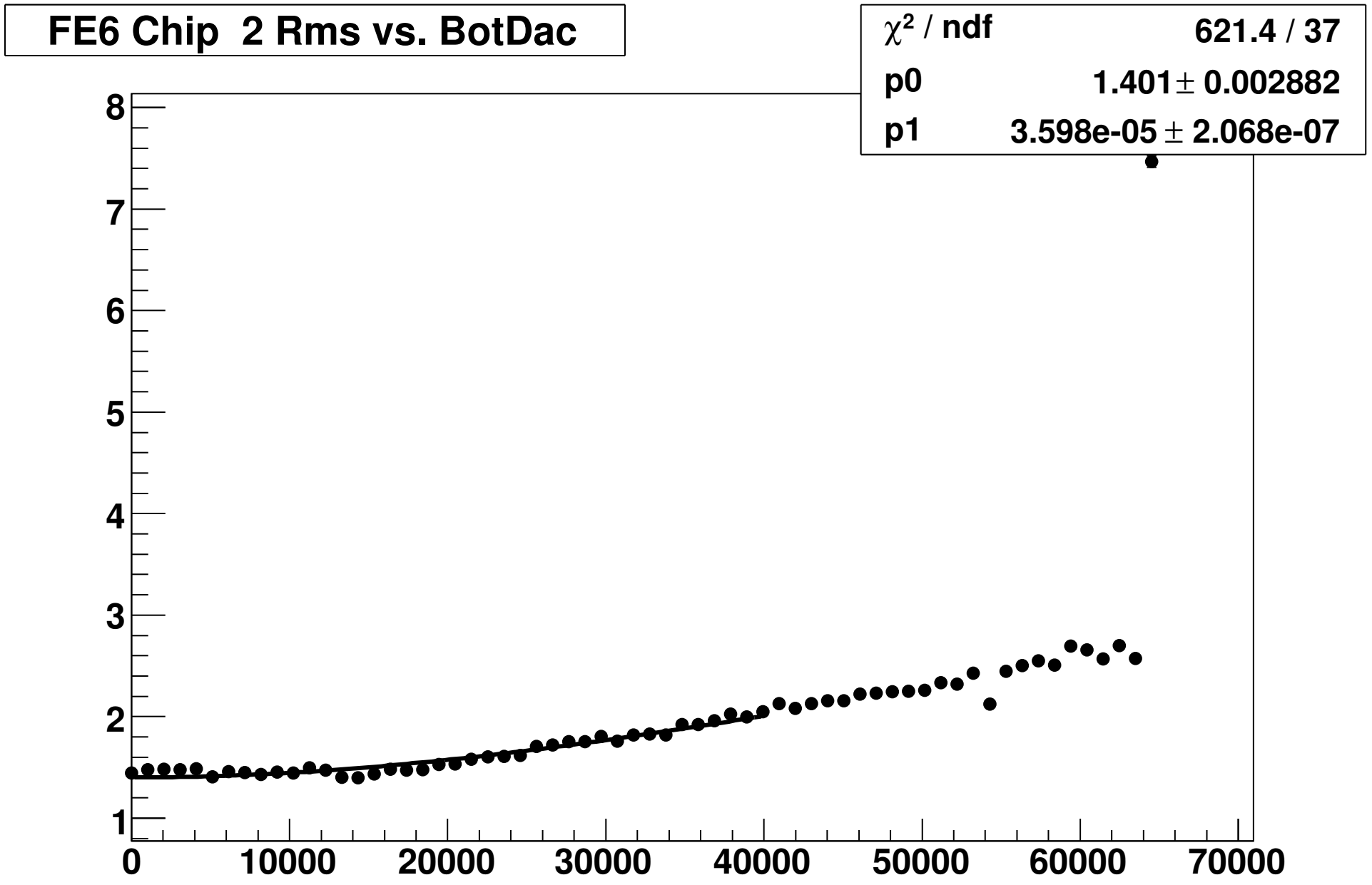

FE6 Chip 1 Rms vs. TopDac
χ² / ndf 44.36 / 37
p0 1.488 ± 0.001793
p1 -1.412e-14 ± 2.962e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.731e+05 / 37
p0 41.65 ± 0.005244
p1 0.4521 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 621.4 / 37
p0 1.401 ± 0.002882
p1 3.598e-05 ± 2.068e-07
8
7
6
5
4
3
2
1
0
10000
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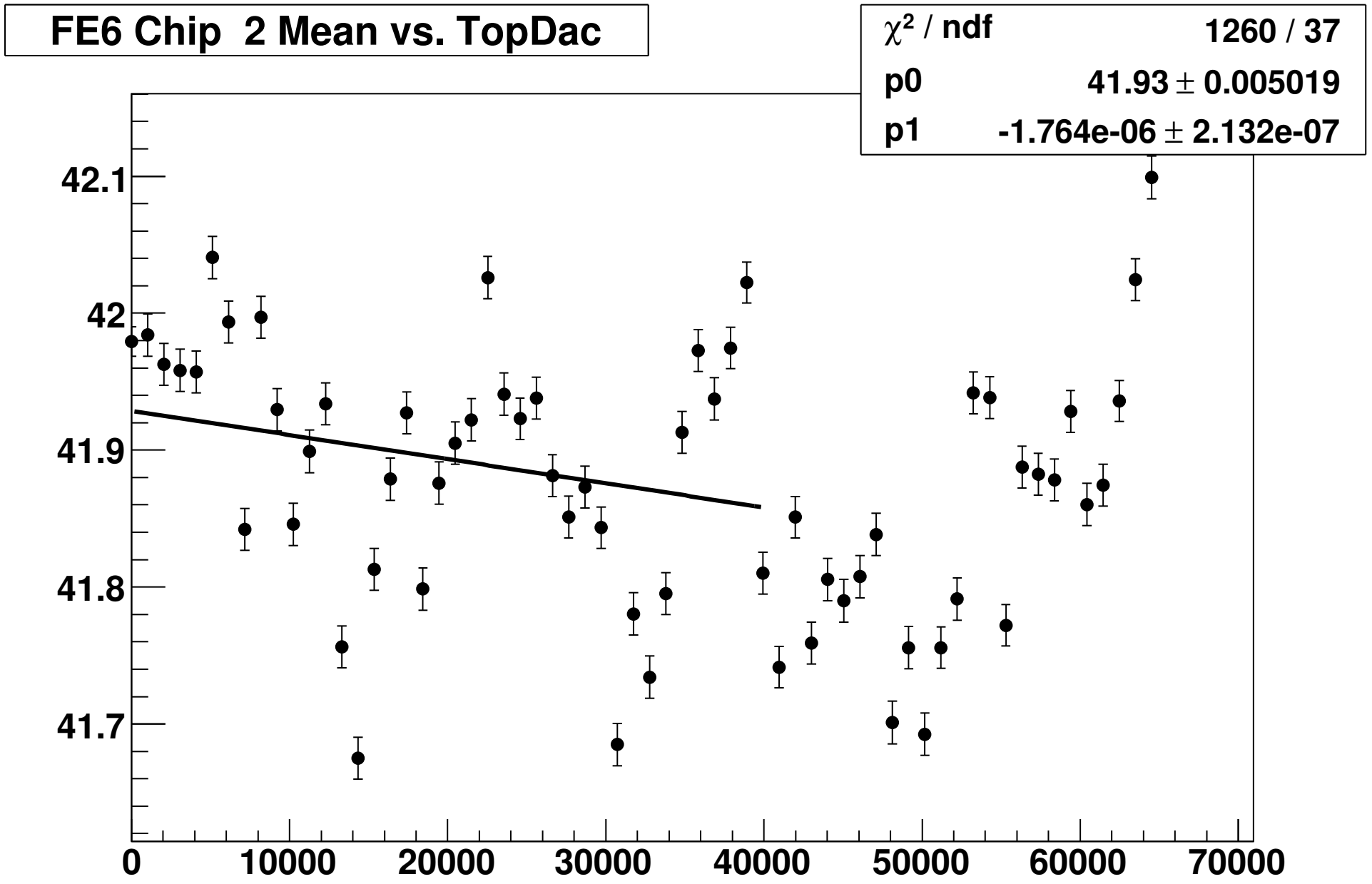
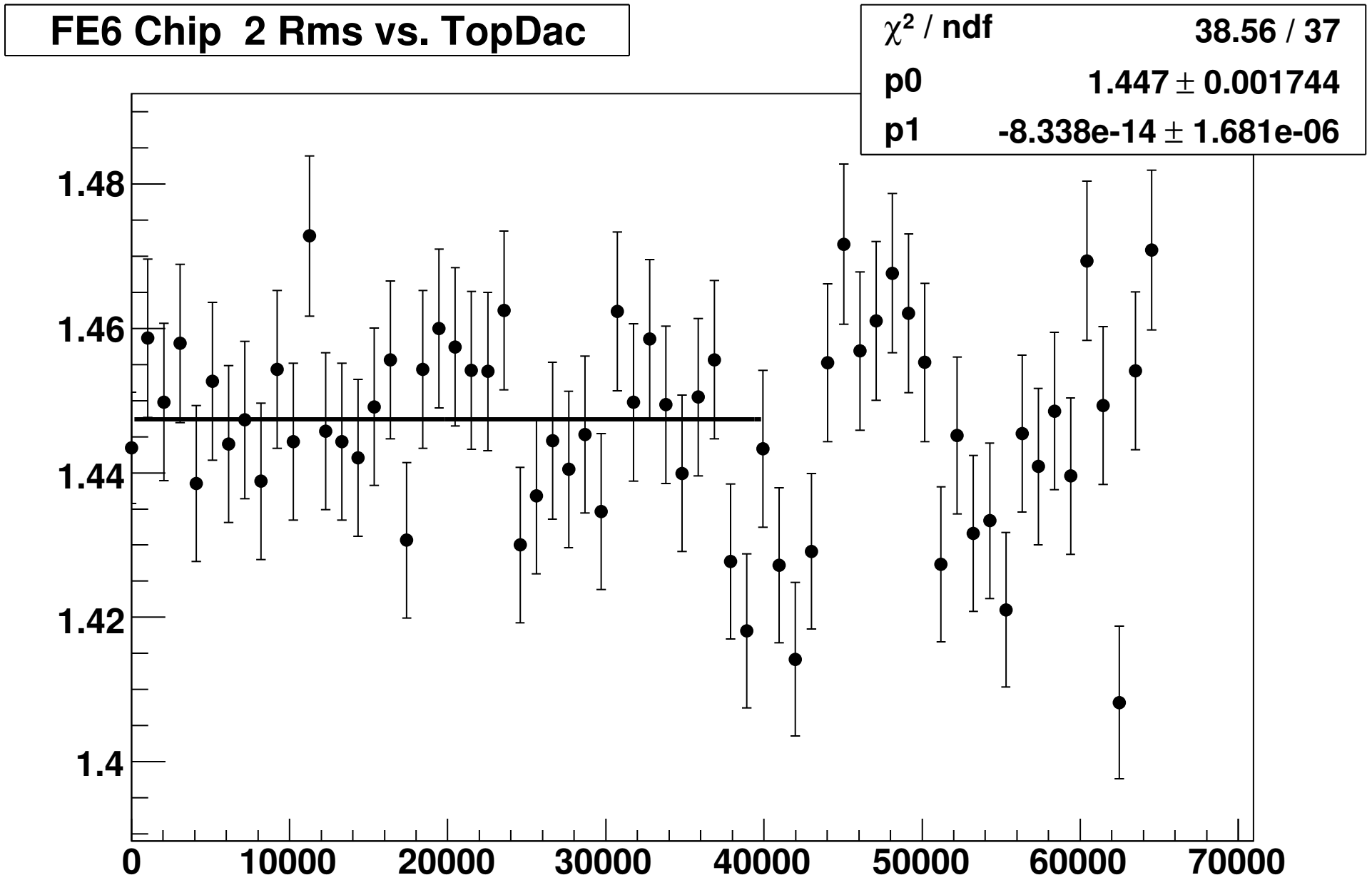
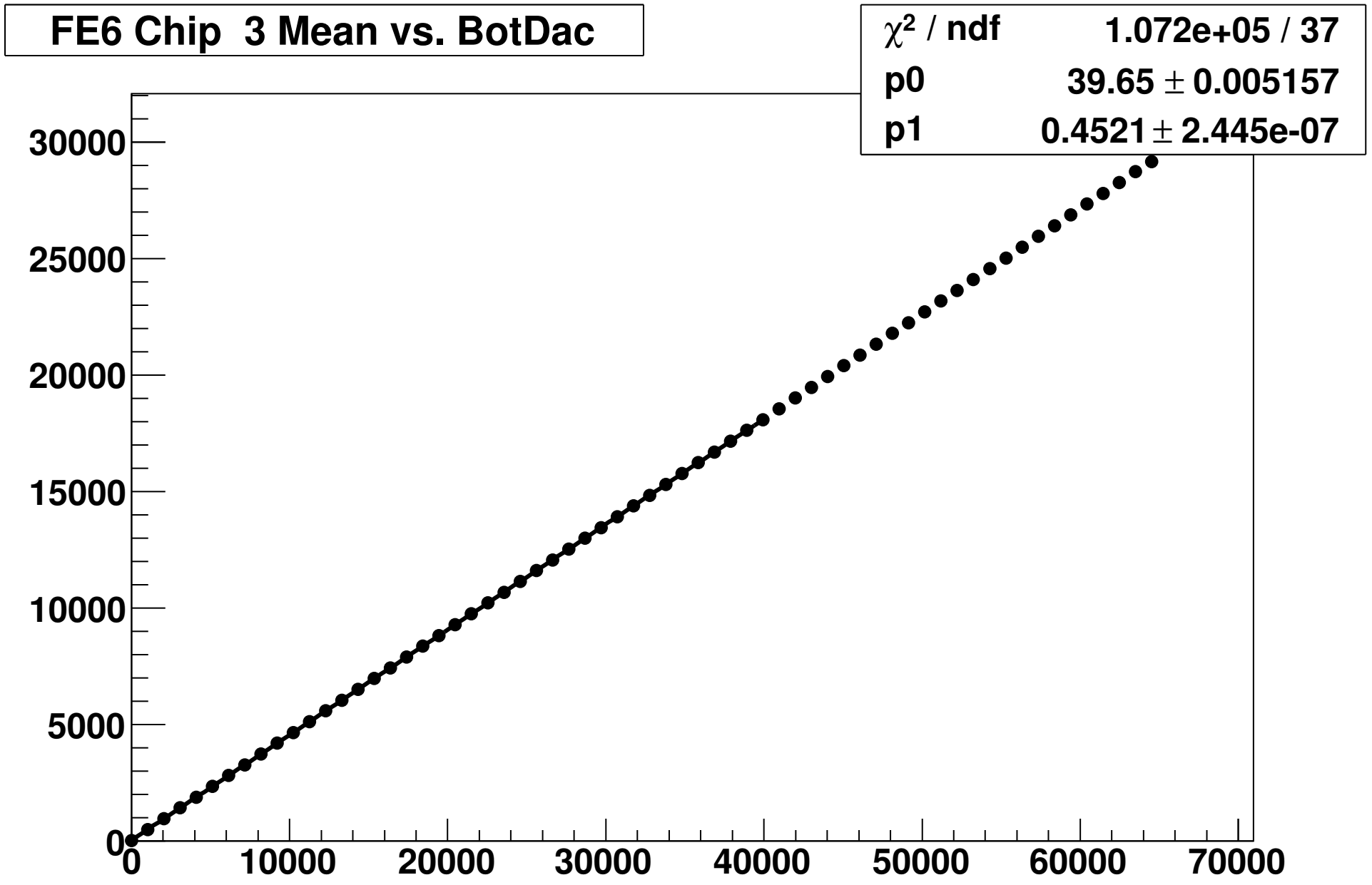
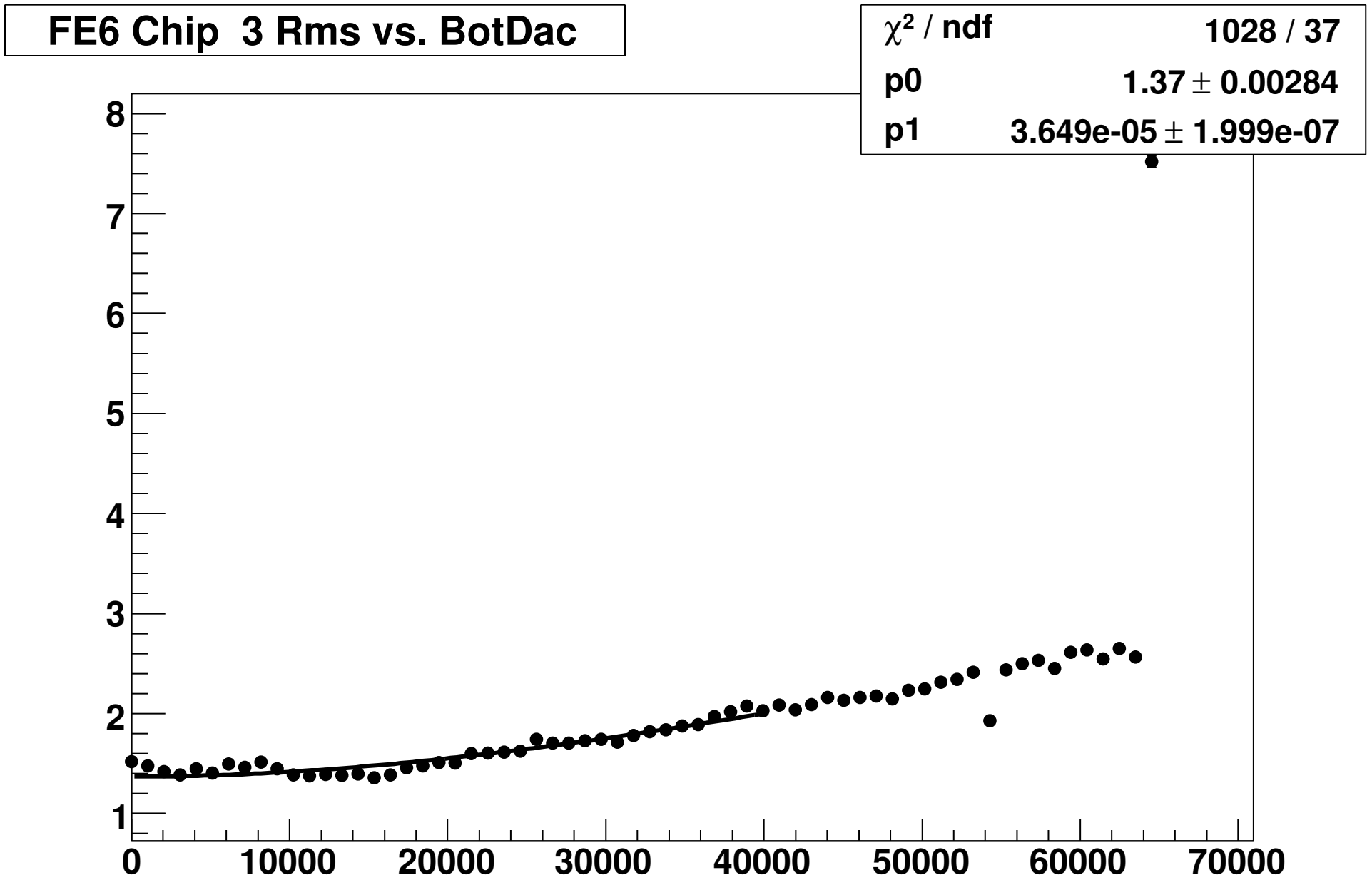
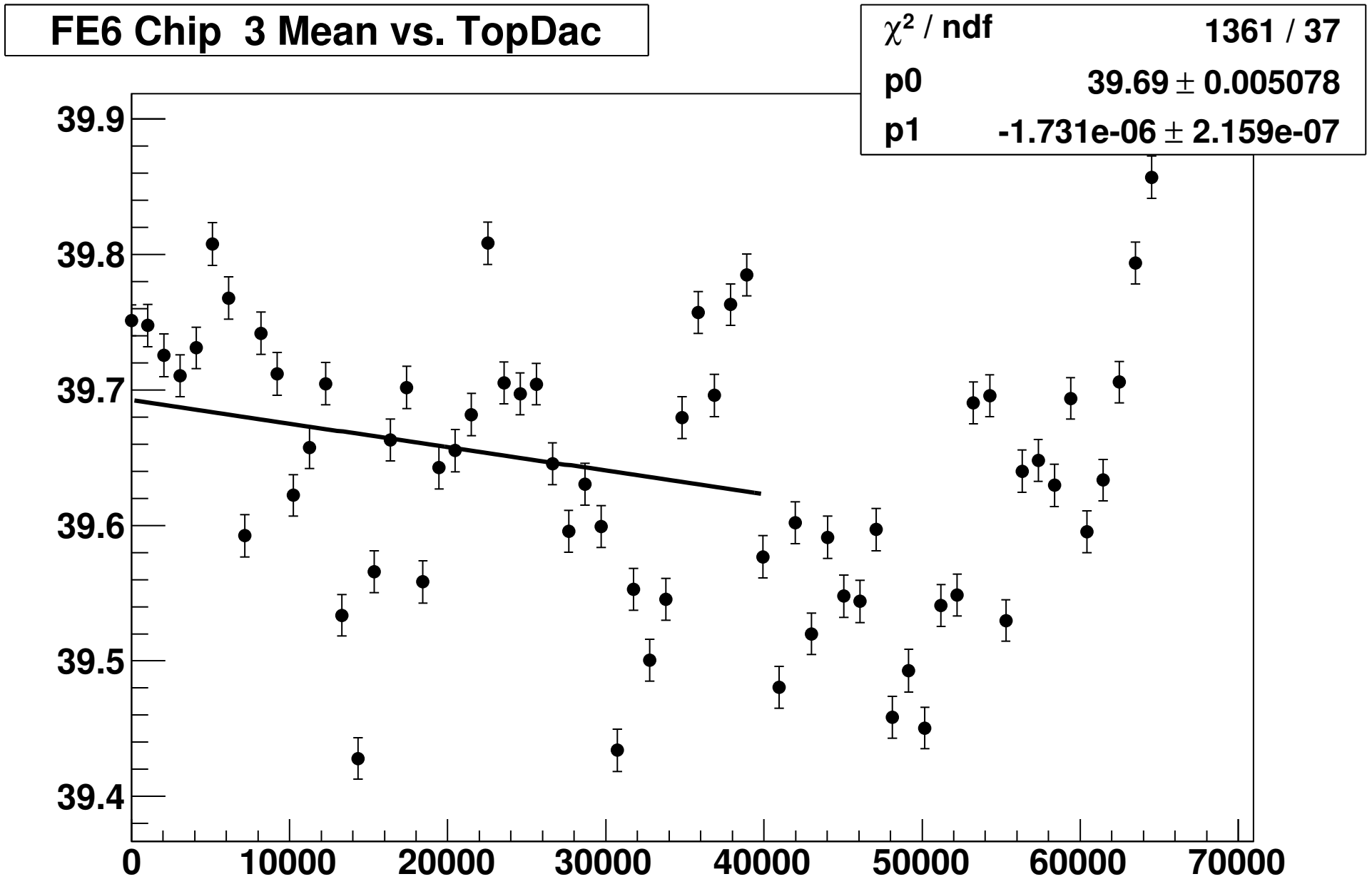
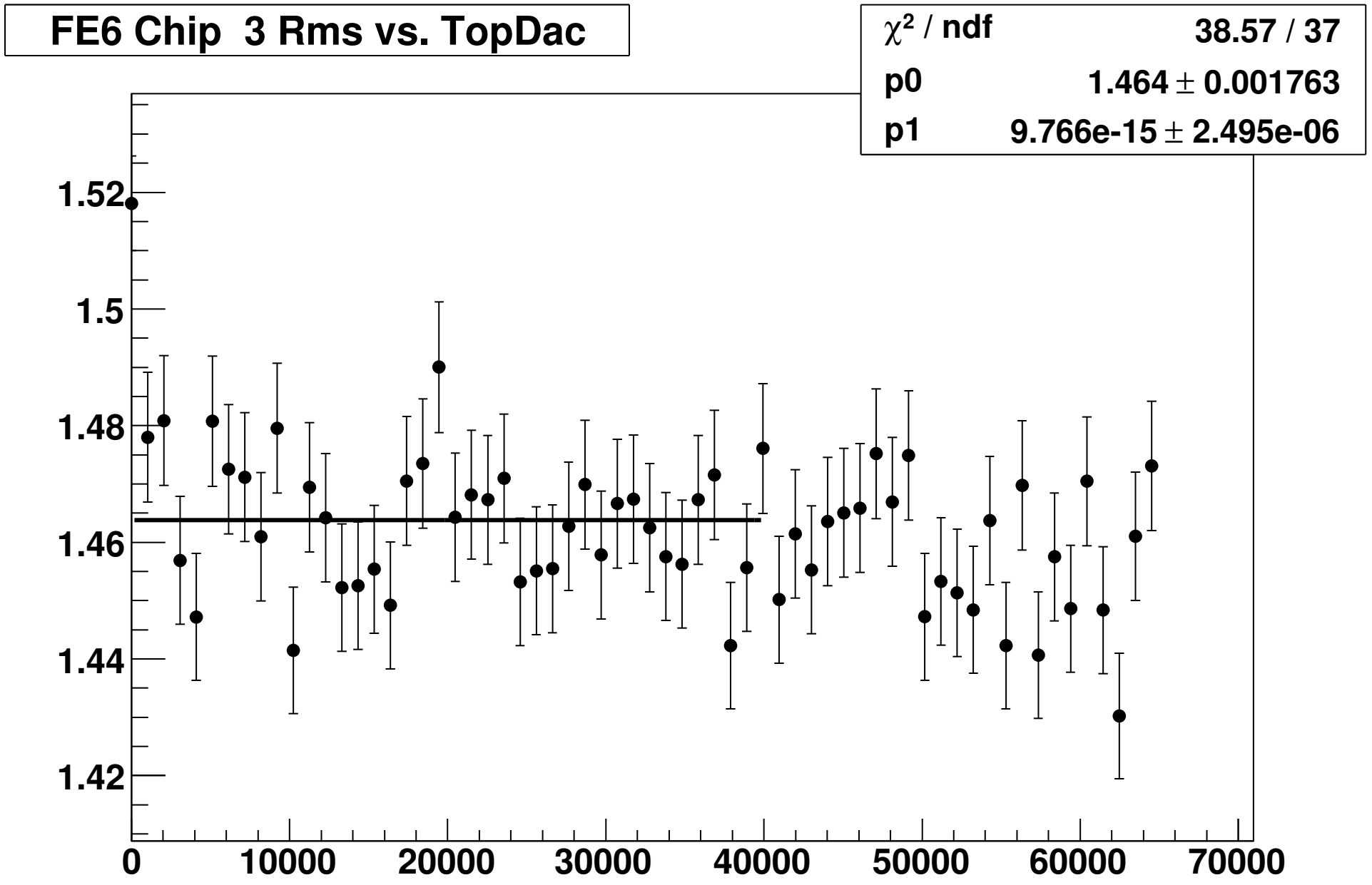

FE6 Chip 2 Mean vs. TopDac
χ² / ndf 1260 / 37
p0 41.93 ± 0.005019
p1 -1.764e-06 ± 2.132e-07
42.1
42
41.9
41.8
41.7
0
10000
20000
30000
40000
50000
60000
70000

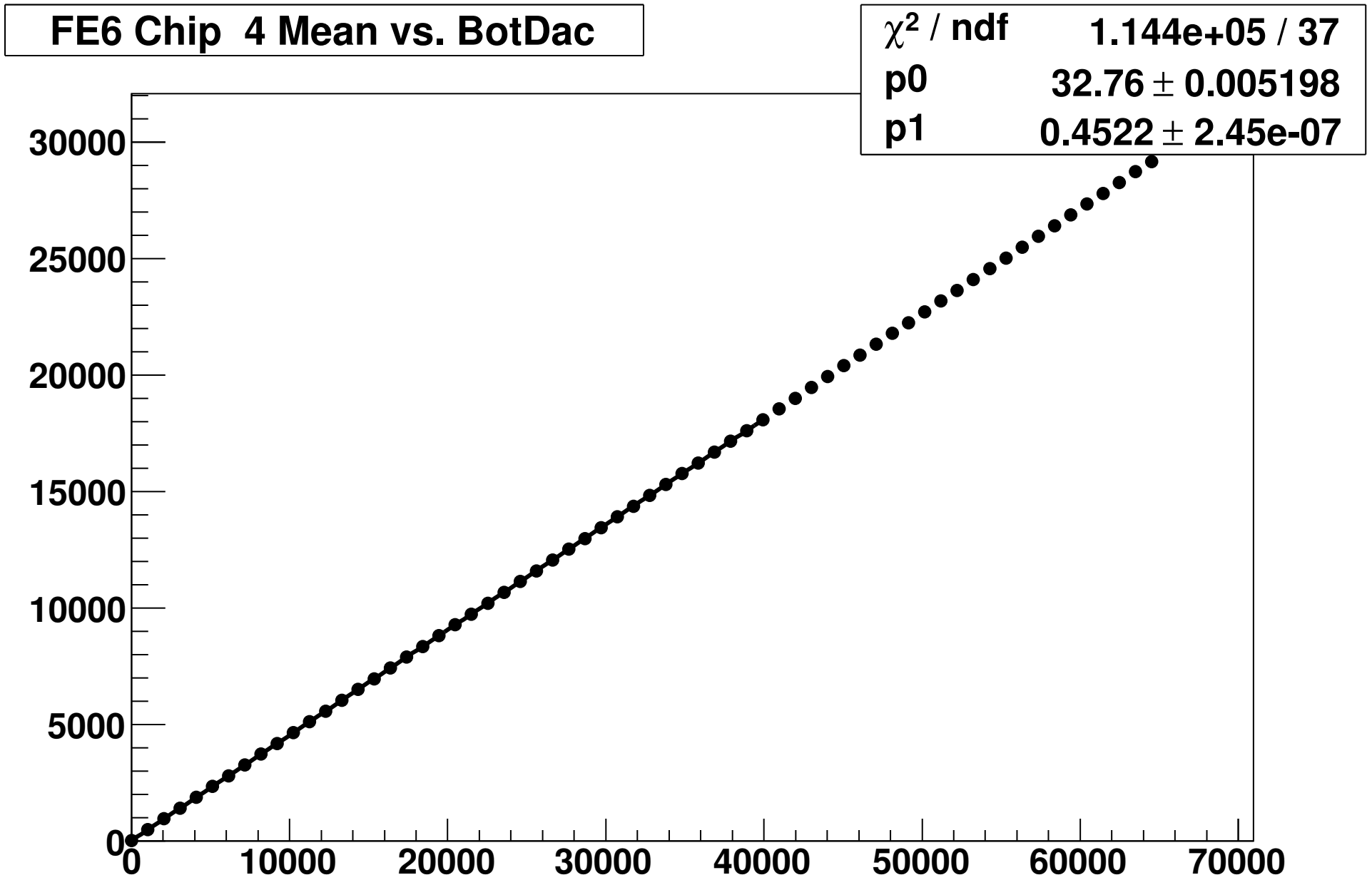

FE6 Chip 2 Rms vs. TopDac
χ² / ndf 38.56 / 37
p0 1.447 ± 0.001744
p1 -8.338e-14 ± 1.681e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

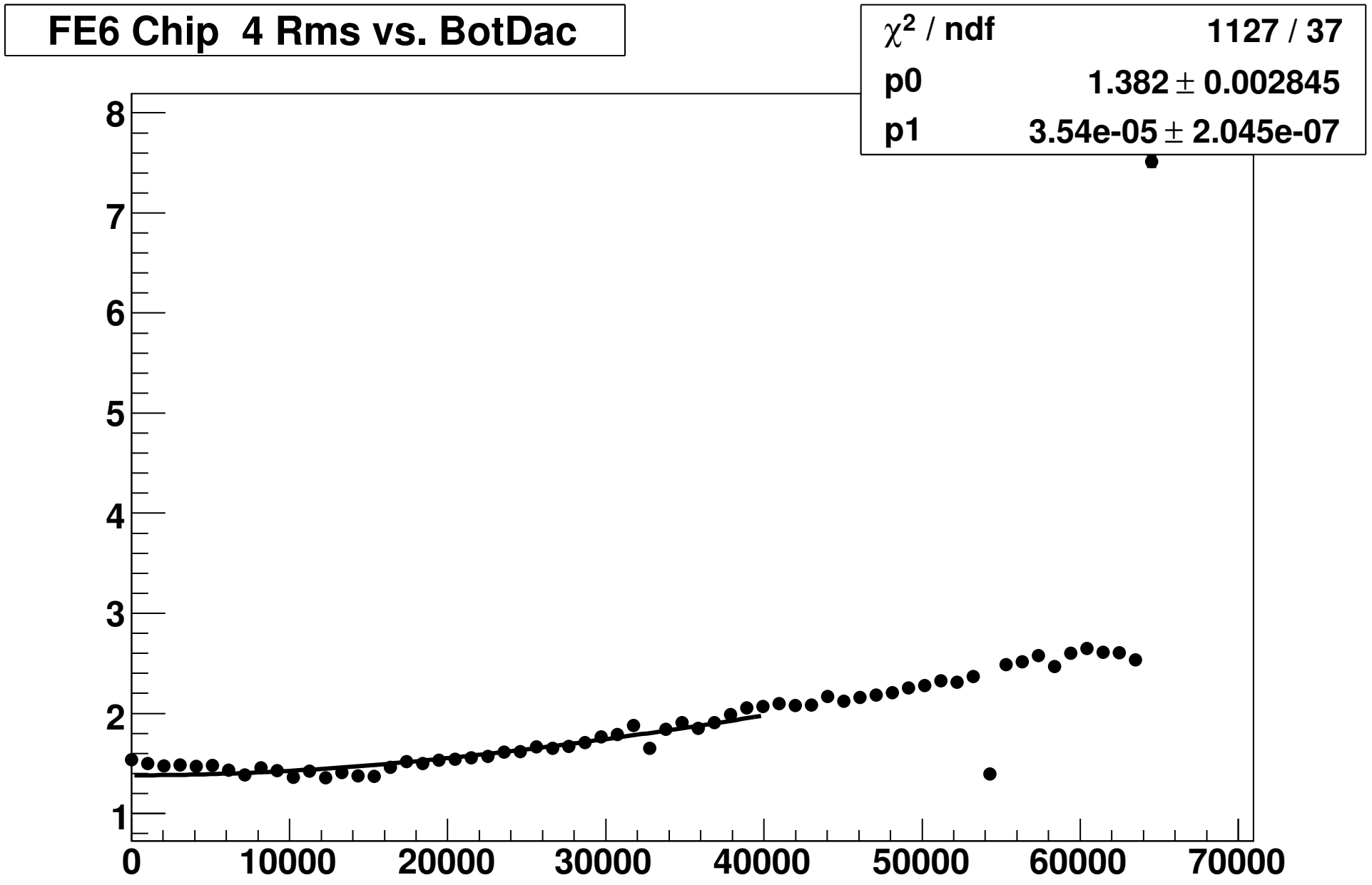

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.072e+05 / 37
p0 39.65 ± 0.005157
p1 0.4521 ± 2.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

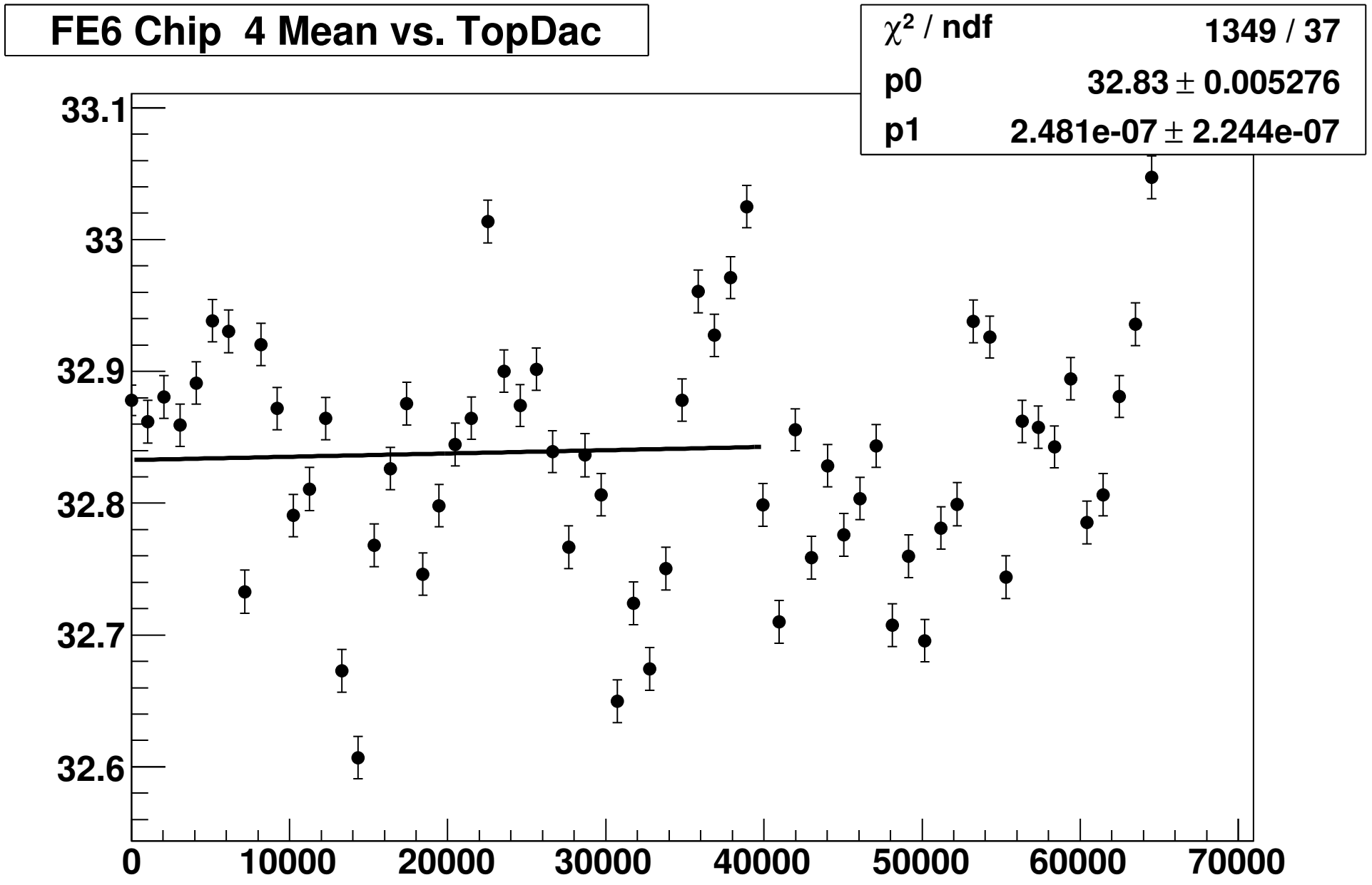

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1028 / 37
p0 1.37 ± 0.00284
p1 3.649e-05 ± 1.999e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

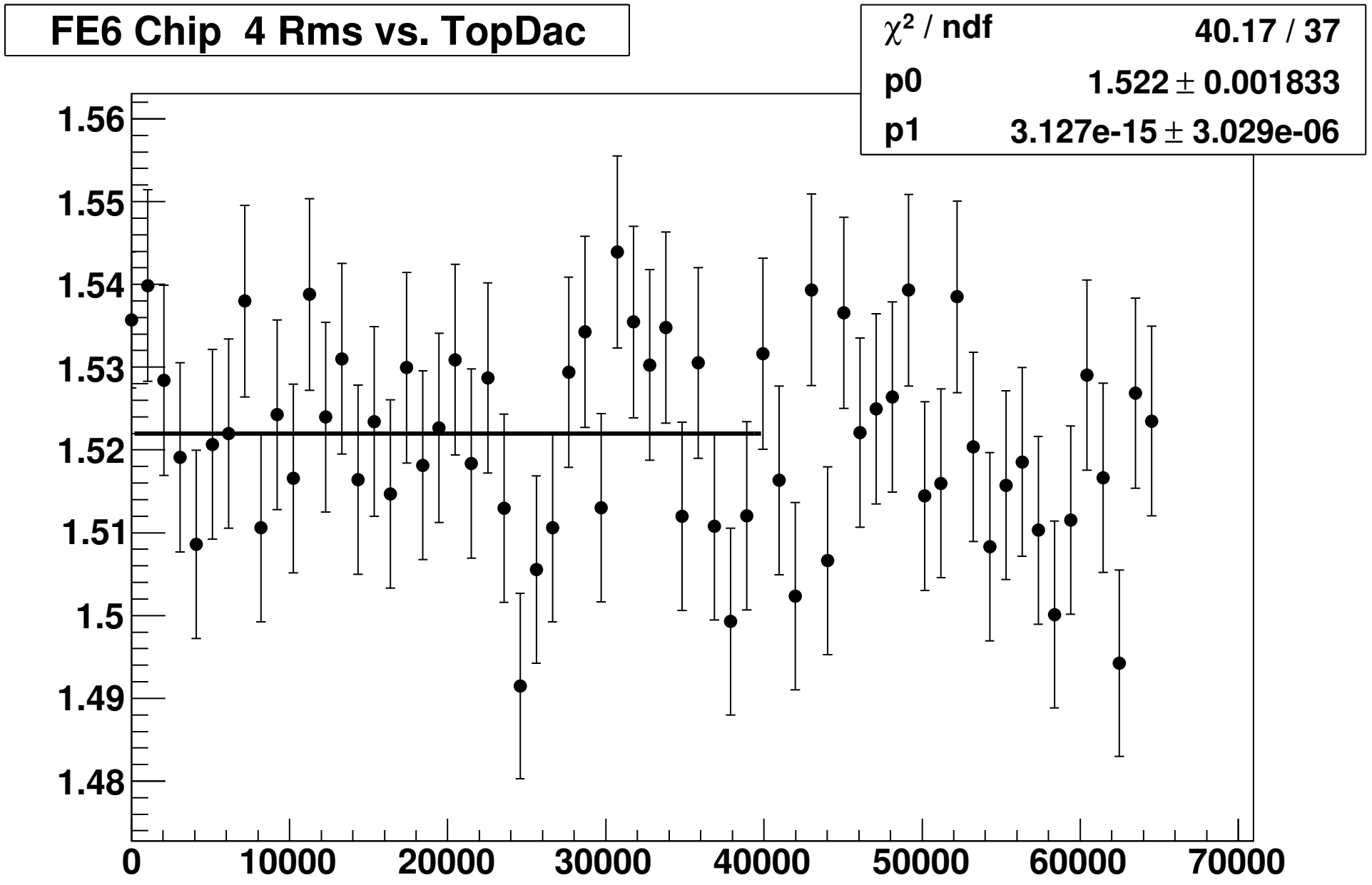

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 1361 / 37
p0 39.69 ± 0.005078
p1 -1.731e-06 ± 2.159e-07
39.9
39.8
39.7
39.6
39.5
39.4
0
10000
20000
30000
40000
50000
60000
70000

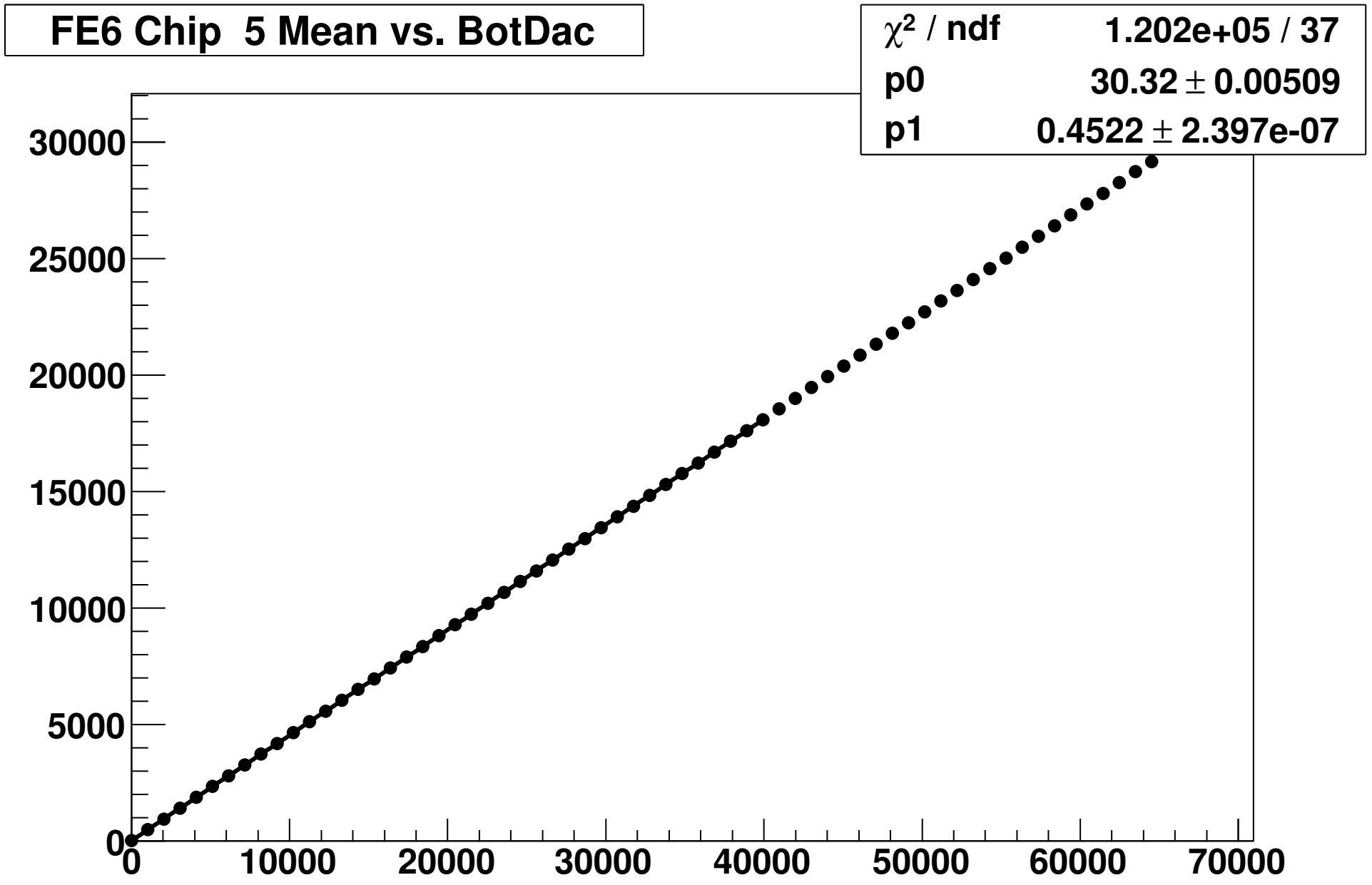

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 38.57 / 37
p0 1.464 ± 0.001763
p1 9.766e-15 ± 2.495e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

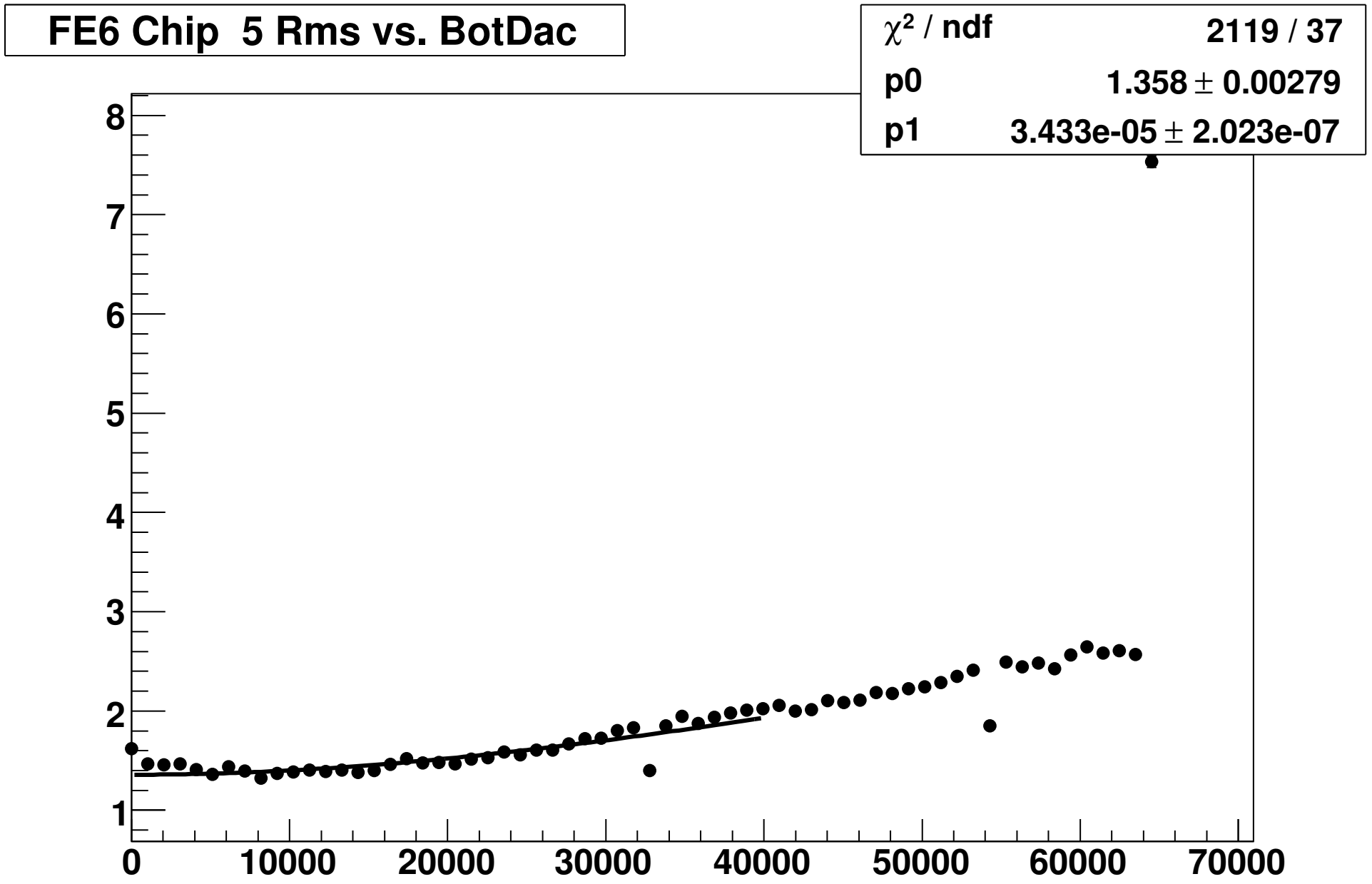

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.144e+05 / 37
p0 32.76 ± 0.005198
p1 0.4522 ± 2.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

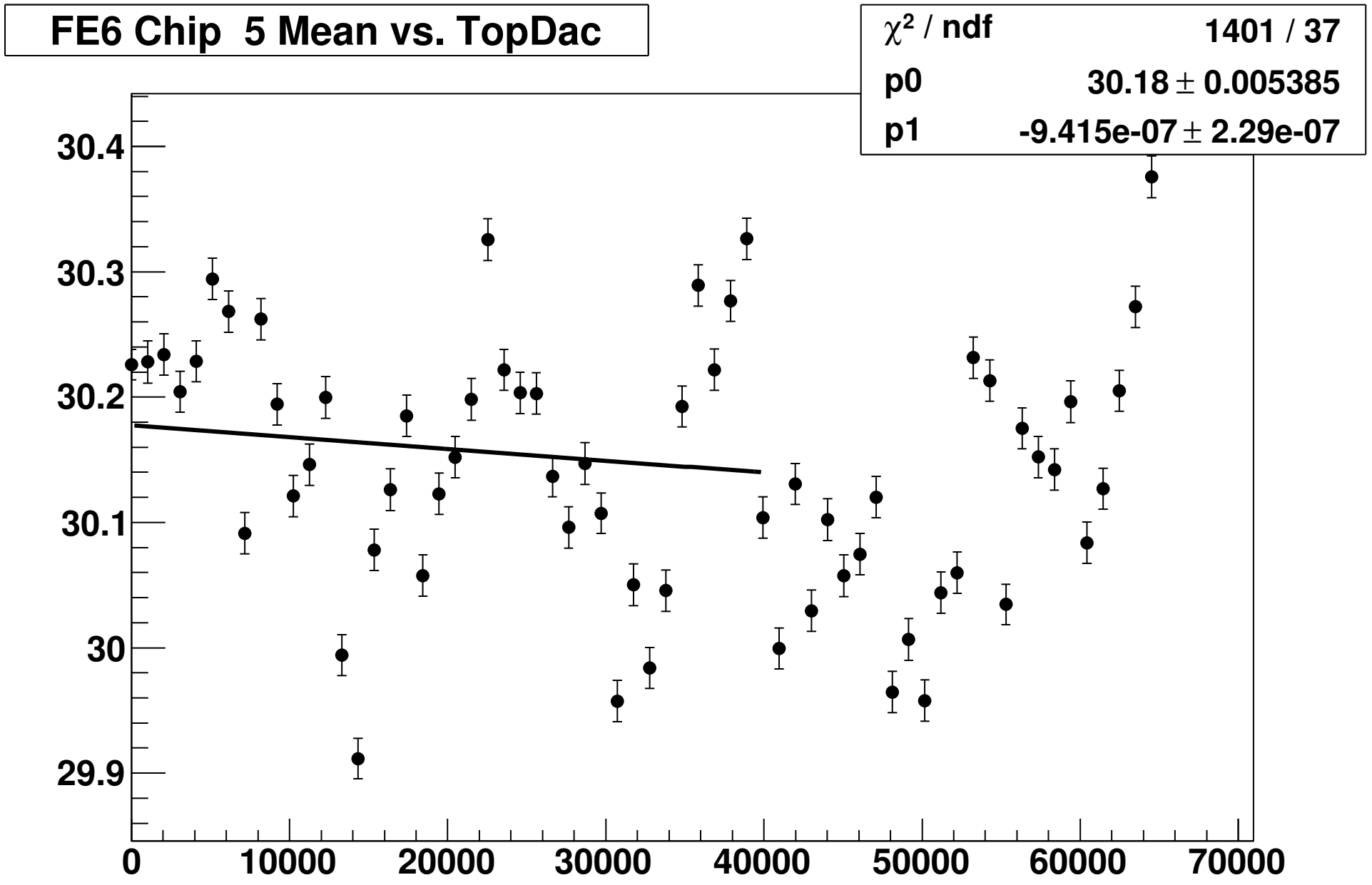

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1127 / 37
p0 1.382 ± 0.002845
p1 3.54e-05 ± 2.045e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

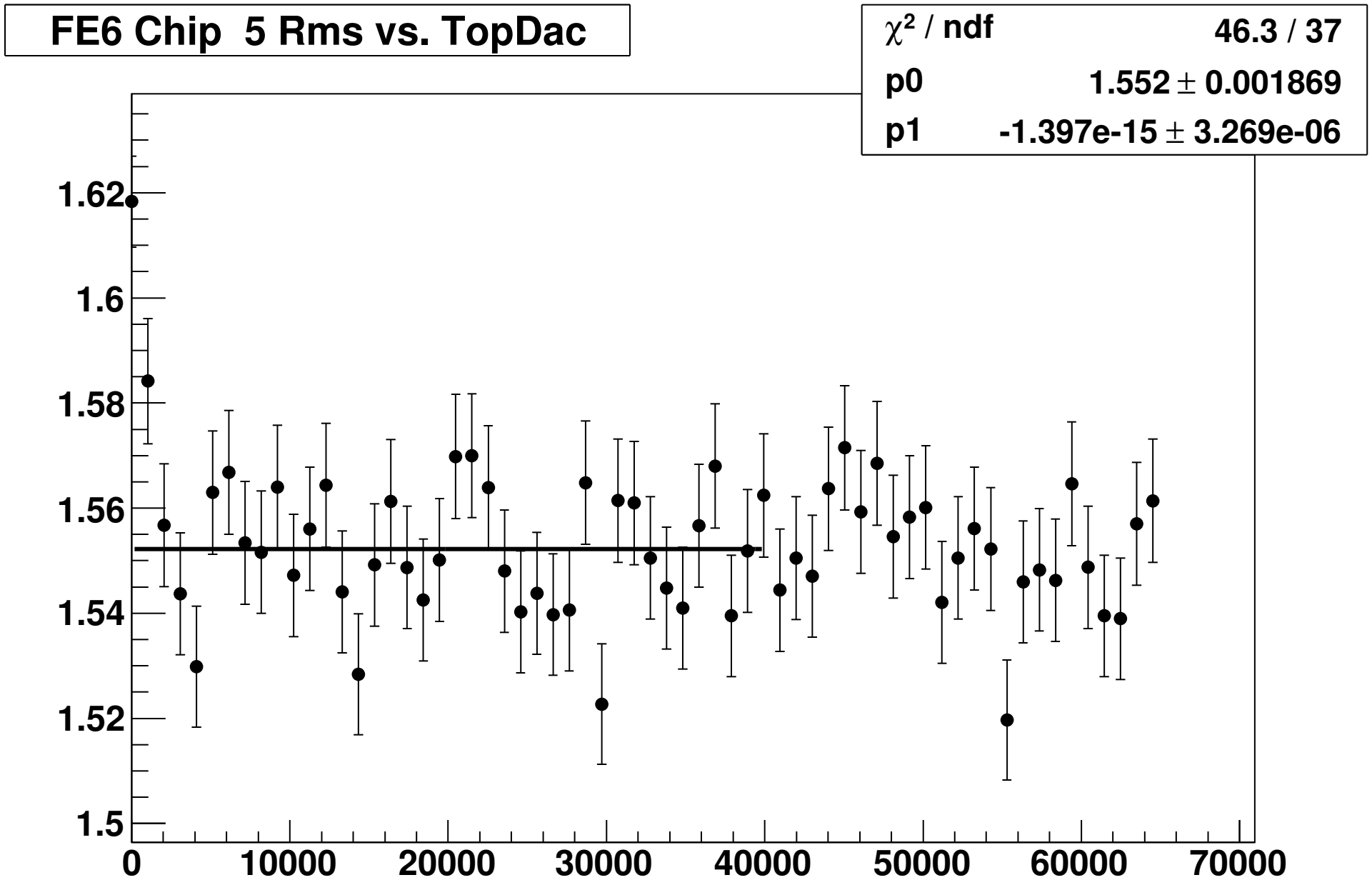

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 1349 / 37
p0 32.83 ± 0.005276
p1 2.481e-07 ± 2.244e-07
33.1
33
32.9
32.8
32.7
32.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 40.17 / 37
p0 1.522 ± 0.001833
p1 3.127e-15 ± 3.029e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.202e+05 / 37
p0 30.32 ± 0.00509
p1 0.4522 ± 2.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 2119 / 37
p0 1.358 ± 0.00279
p1 3.433e-05 ± 2.023e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 1401 / 37
p0 30.18 ± 0.005385
p1 -9.415e-07 ± 2.29e-07
30.4
30.3
30.2
30.1
30
29.9
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 46.3 / 37
p0 1.552 ± 0.001869
p1 -1.397e-15 ± 3.269e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
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20000
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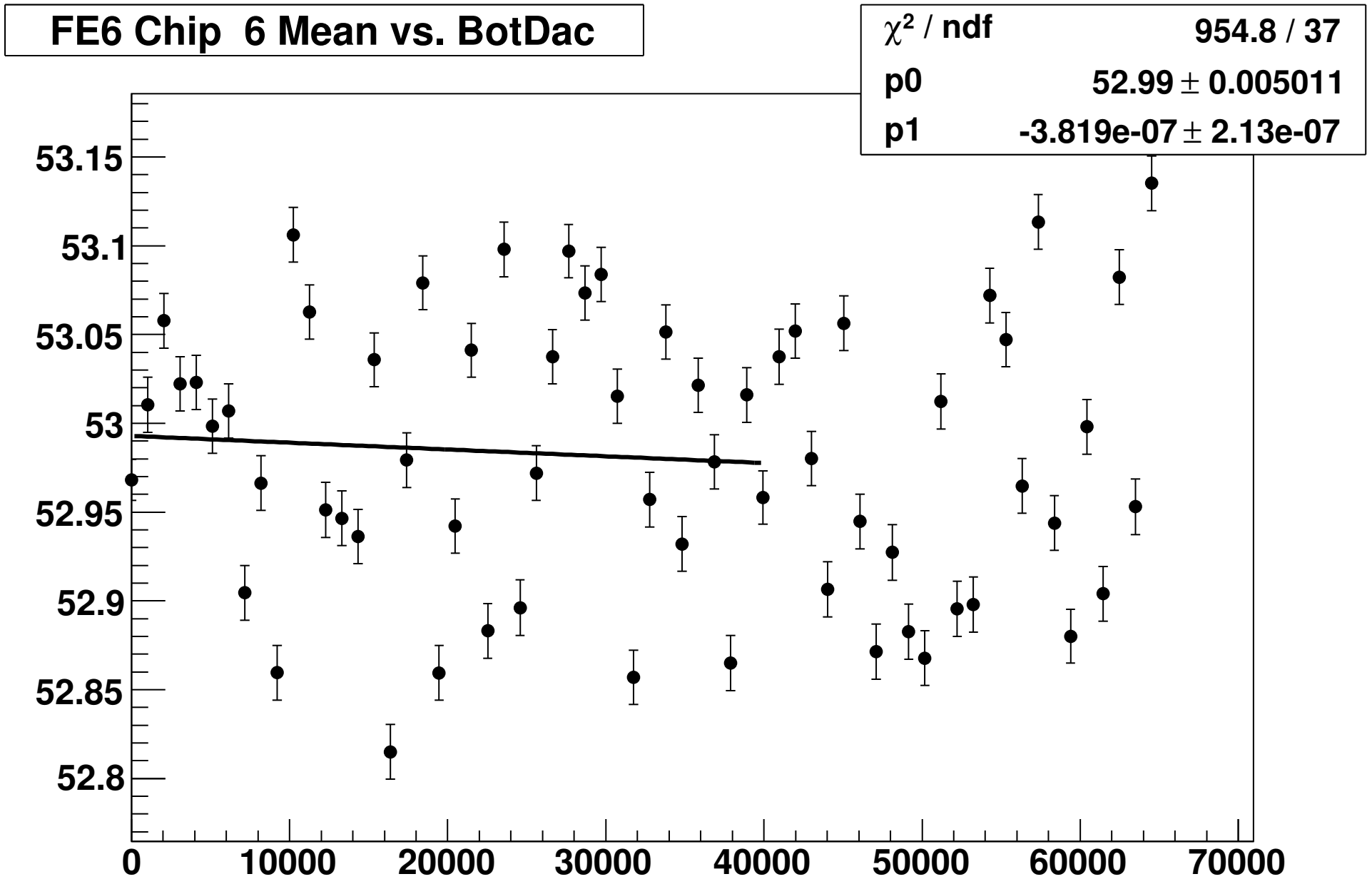
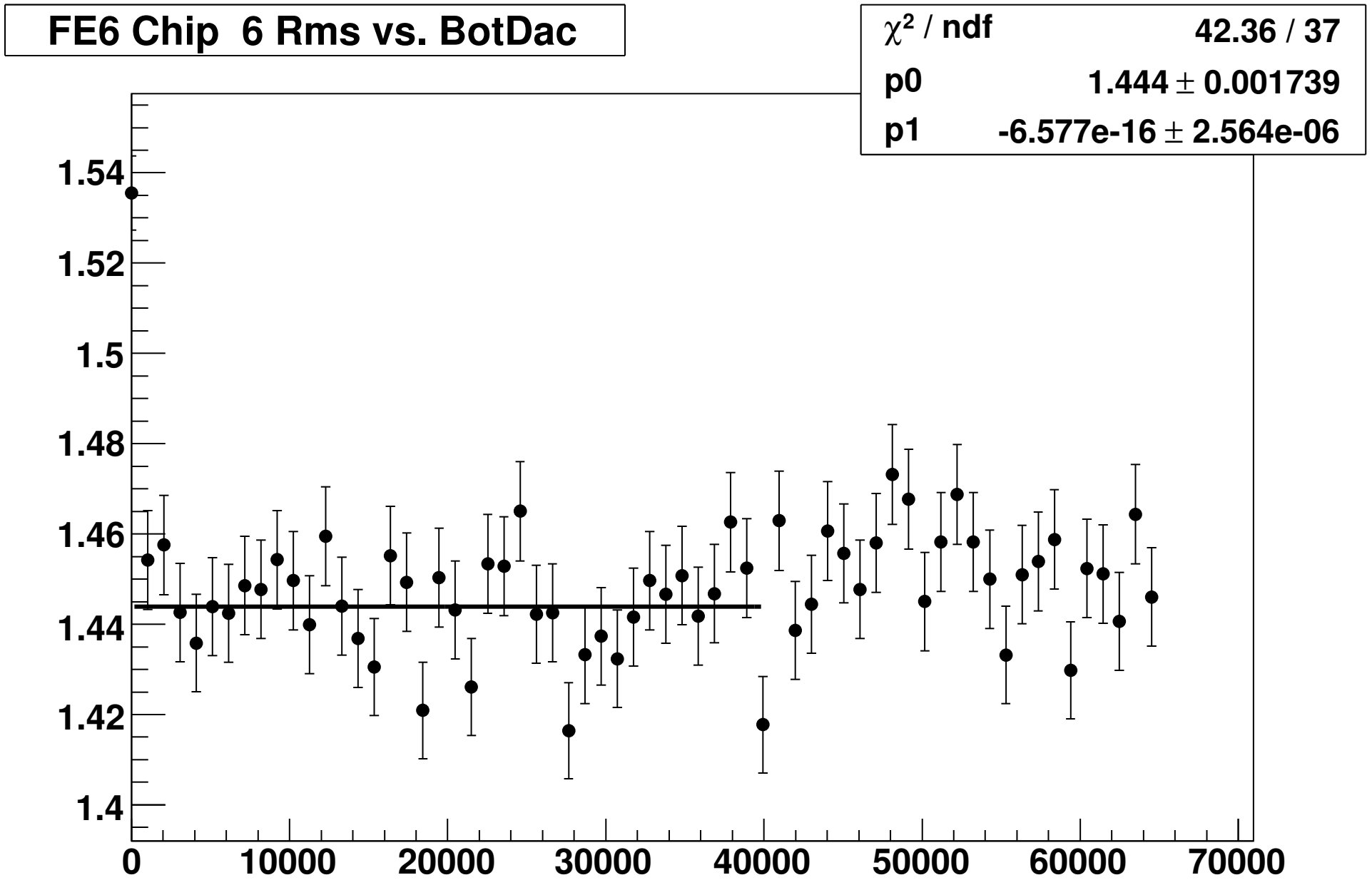
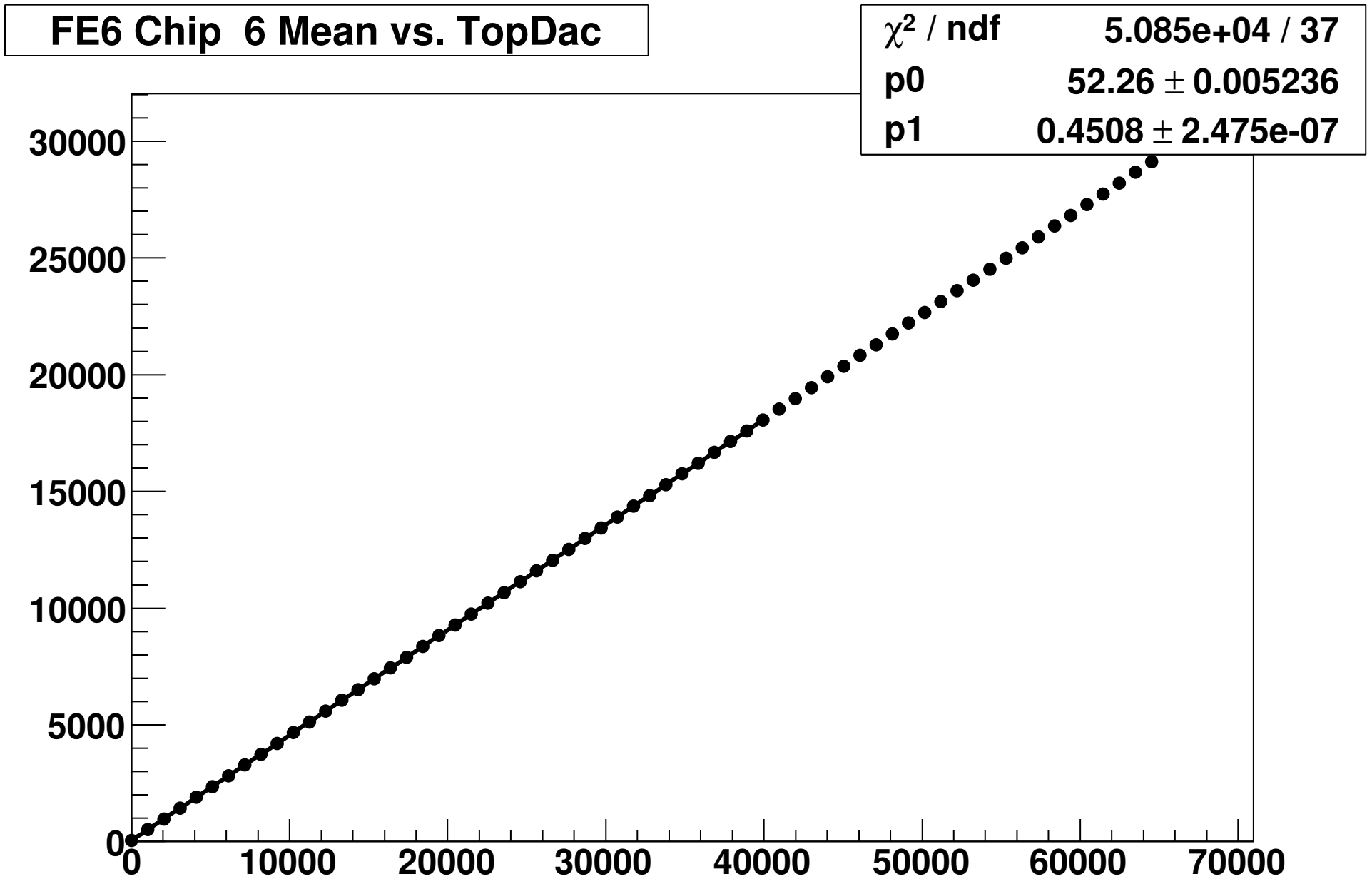
40000
50000
60000
70000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 954.8 / 37
p0 52.99 ± 0.005011
p1 -3.819e-07 ± 2.13e-07
53.15
53.1
53.05
53
52.95
52.9
52.85
52.8
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 42.36 / 37
p0 1.444 ± 0.001739
p1 -6.577e-16 ± 2.564e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 5.085e+04 / 37
p0 52.26 ± 0.005236
p1 0.4508 ± 2.475e-07
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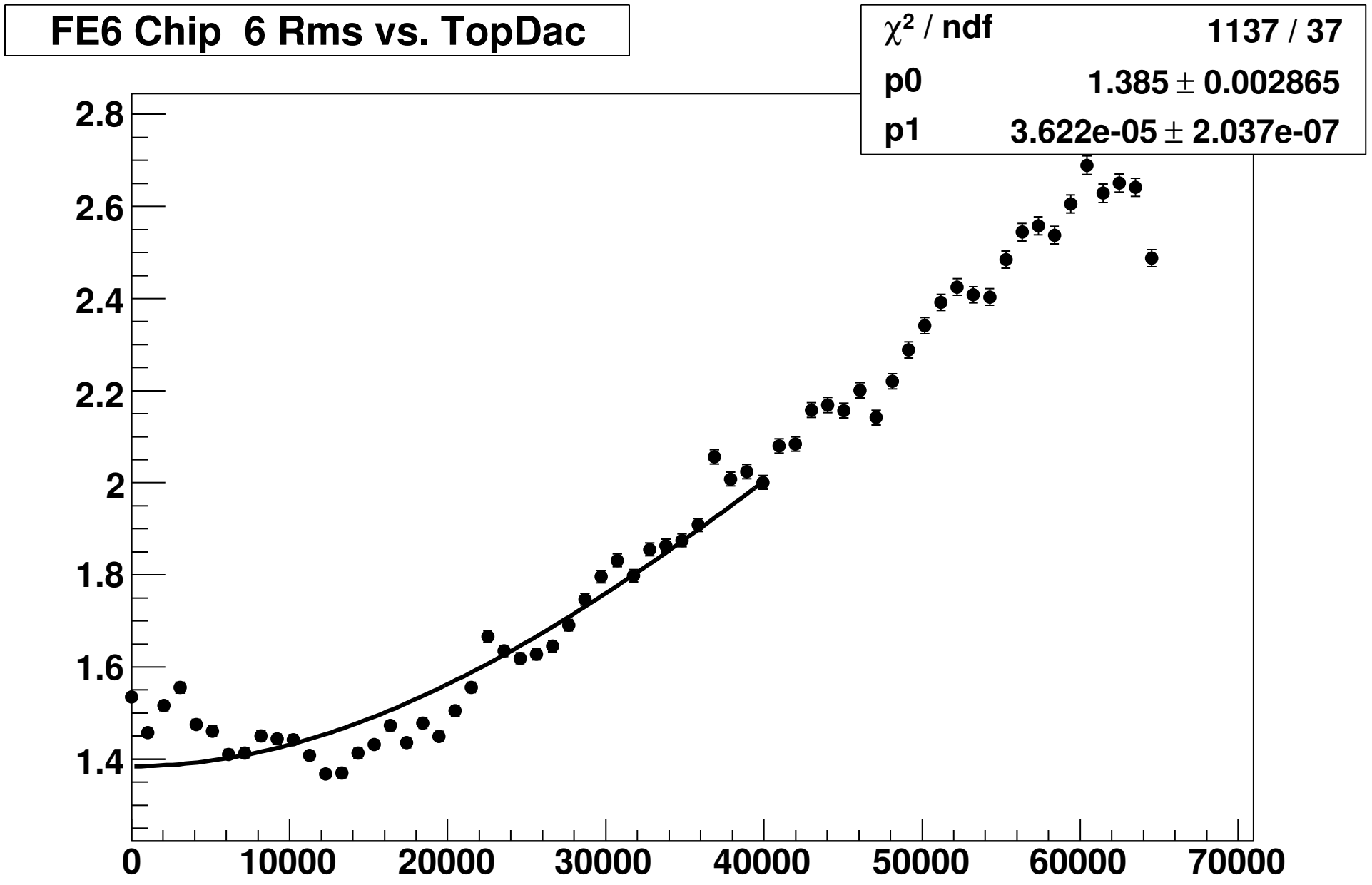
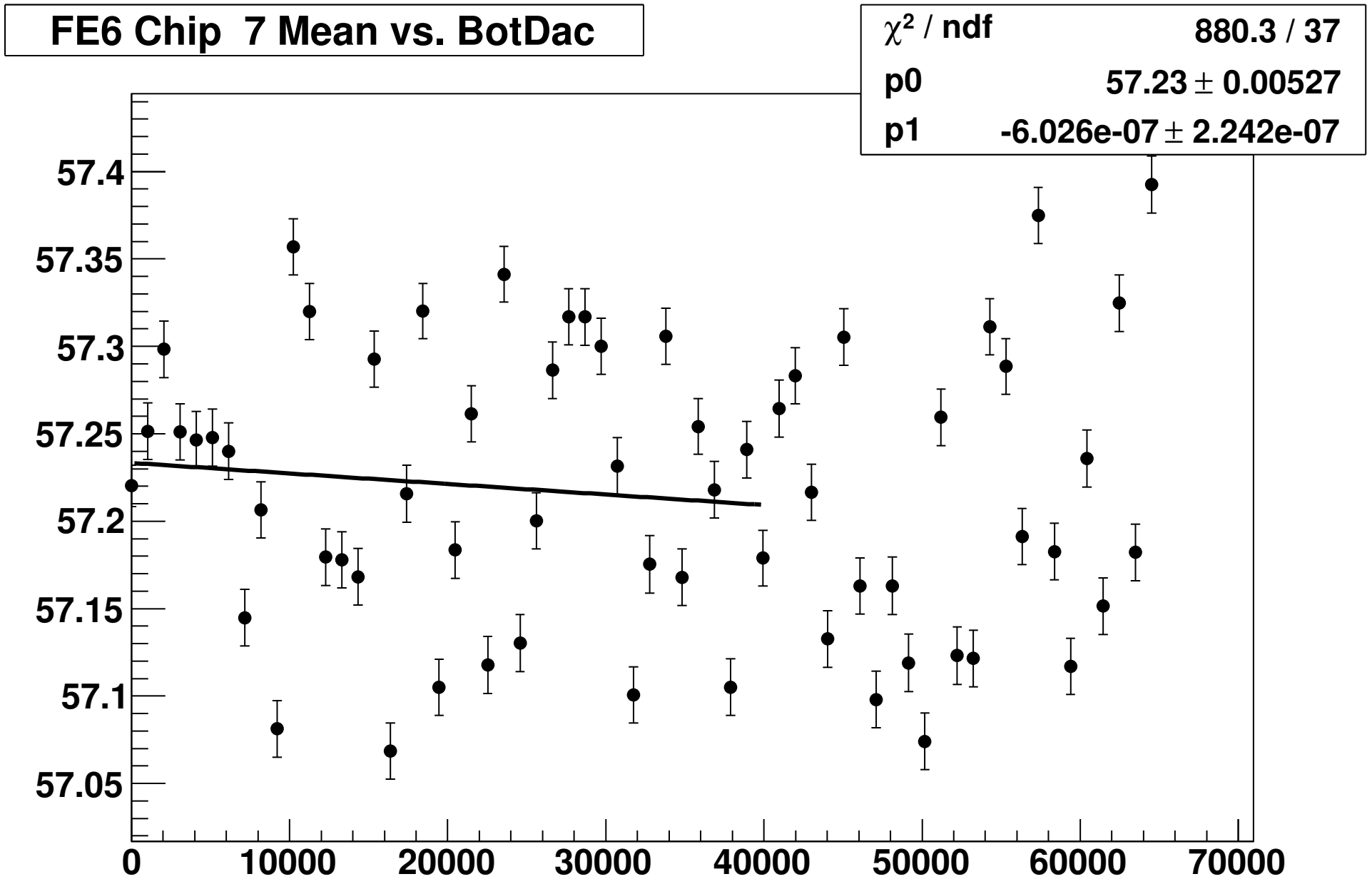
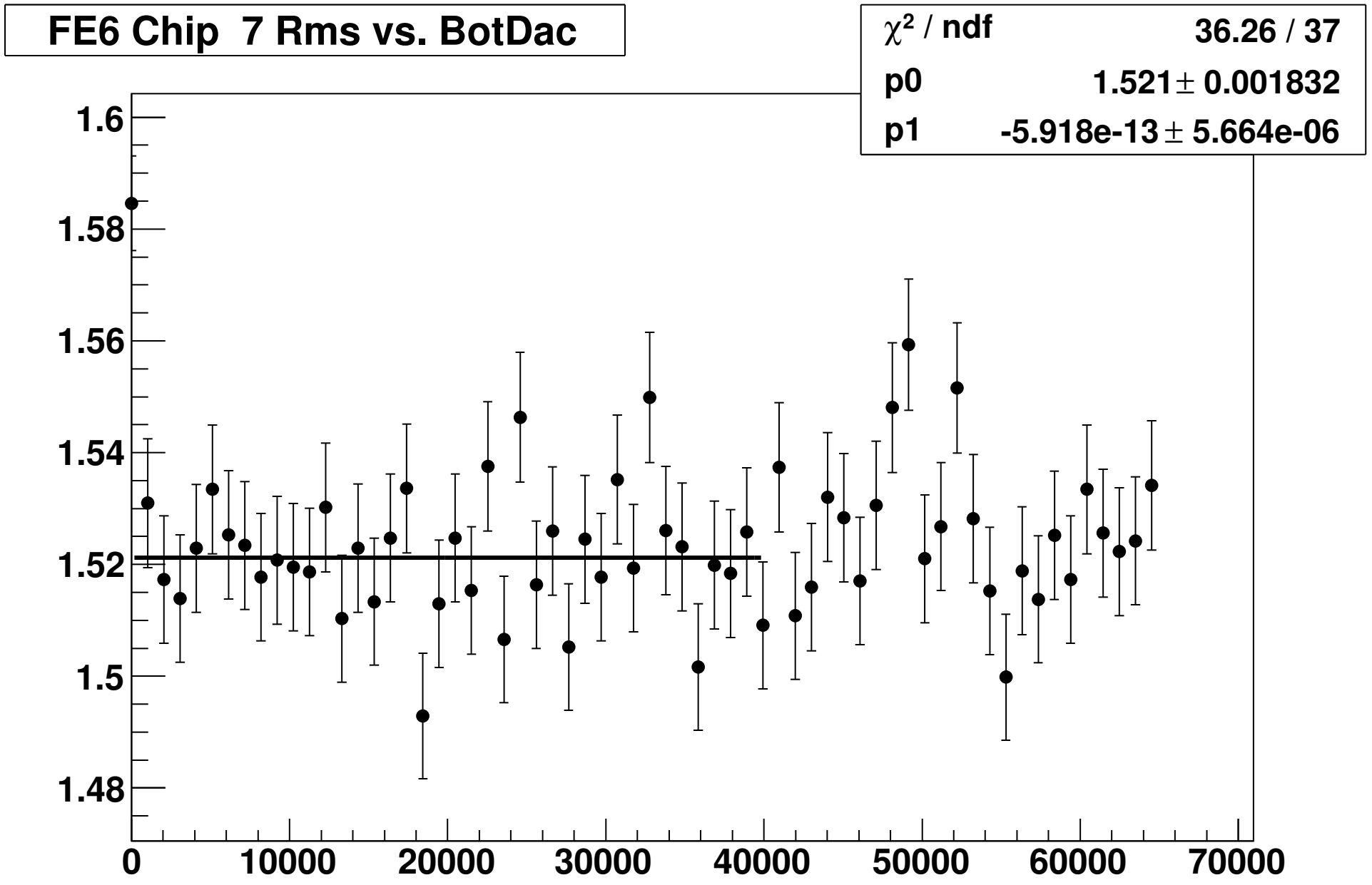
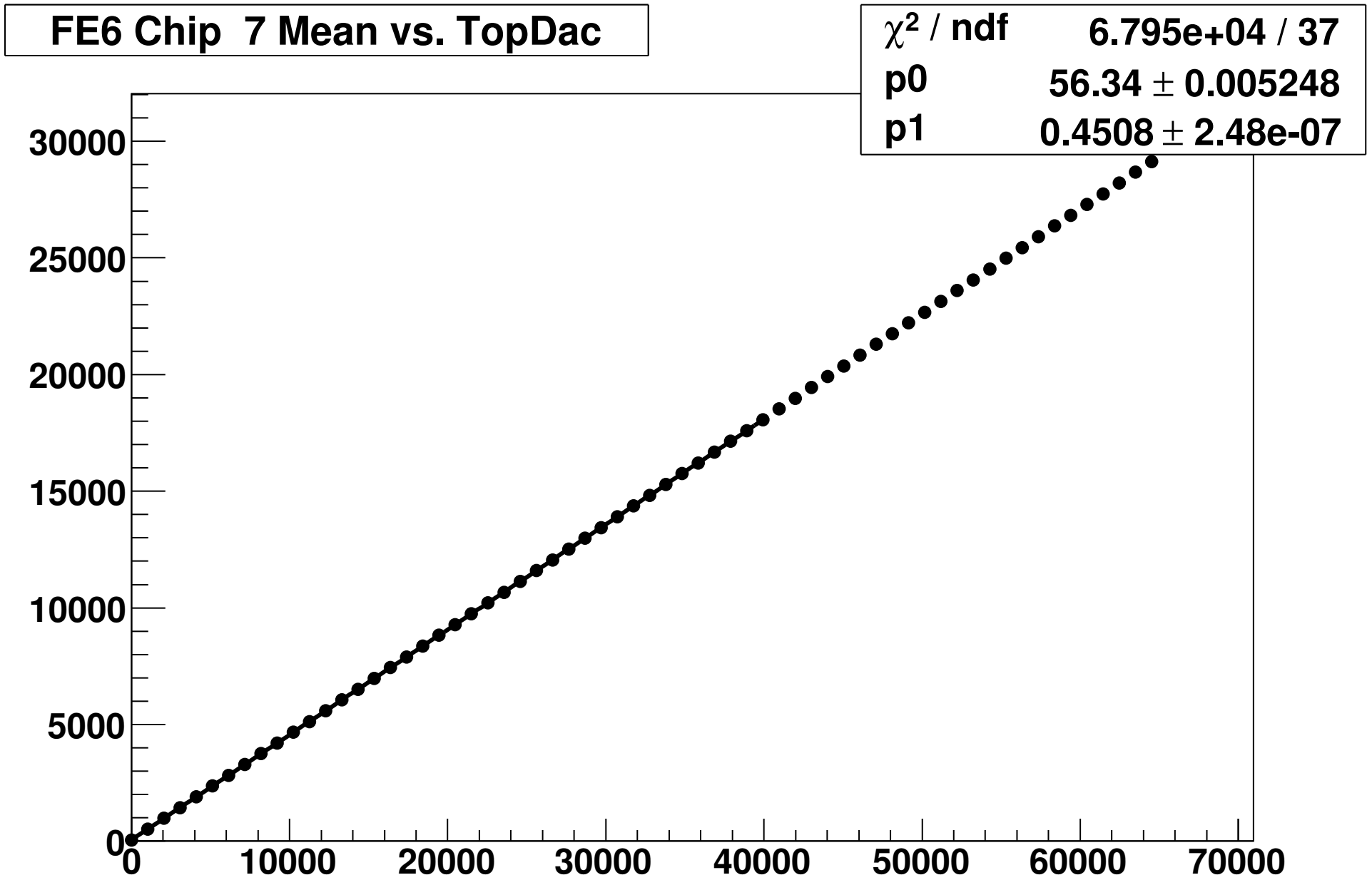
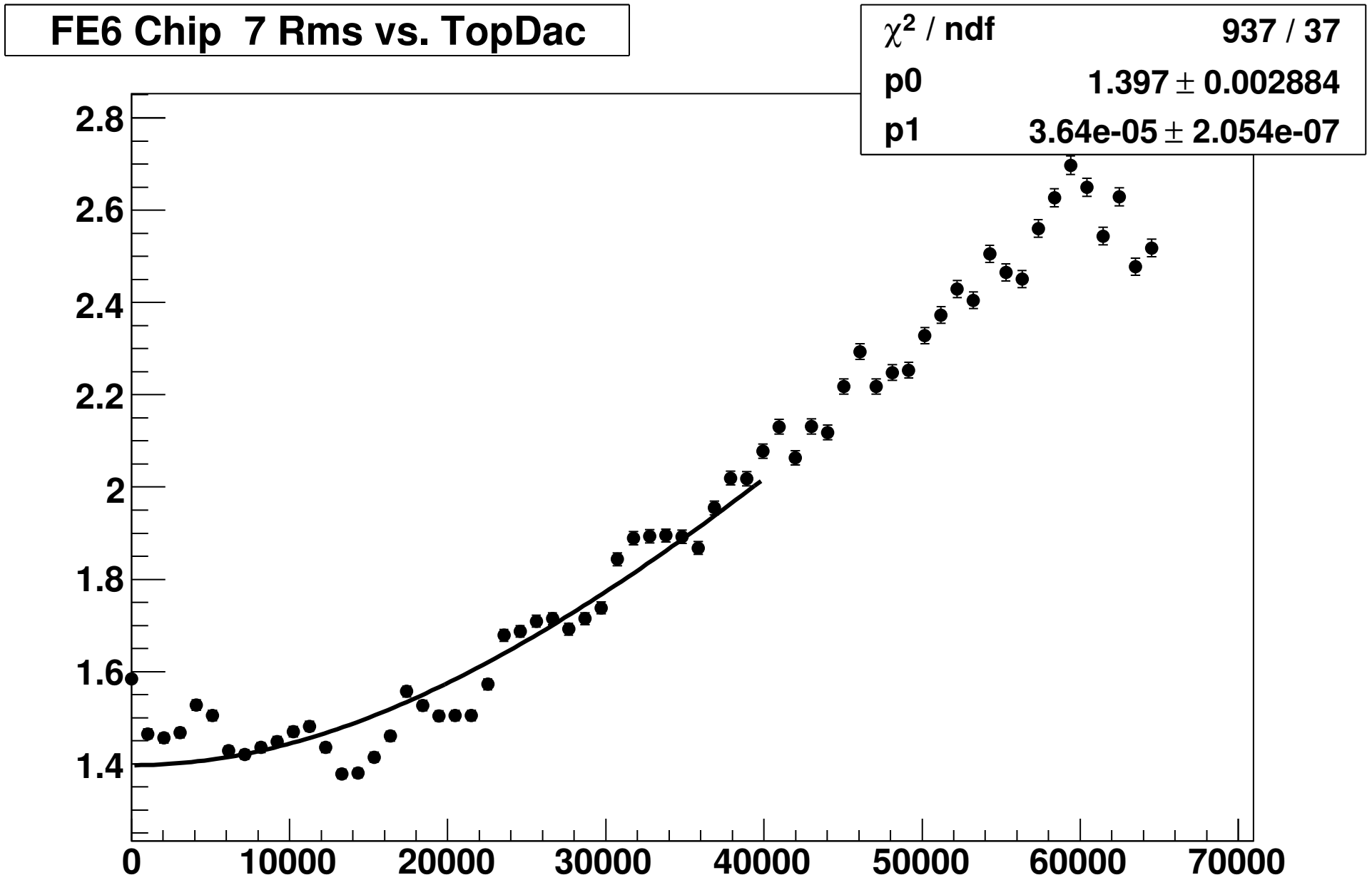
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1137 / 37
p0 1.385 ± 0.002865
p1 3.622e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 880.3 / 37
p0 57.23 ± 0.00527
p1 -6.026e-07 ± 2.242e-07
57.4
57.35
57.3
57.25
57.2
57.15
57.1
57.05
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 36.26 / 37
p0 1.521 ± 0.001832
p1 -5.918e-13 ± 5.664e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 6.795e+04 / 37
p0 56.34 ± 0.005248
p1 0.4508 ± 2.48e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 937 / 37
p0 1.397 ± 0.002884
p1 3.64e-05 ± 2.054e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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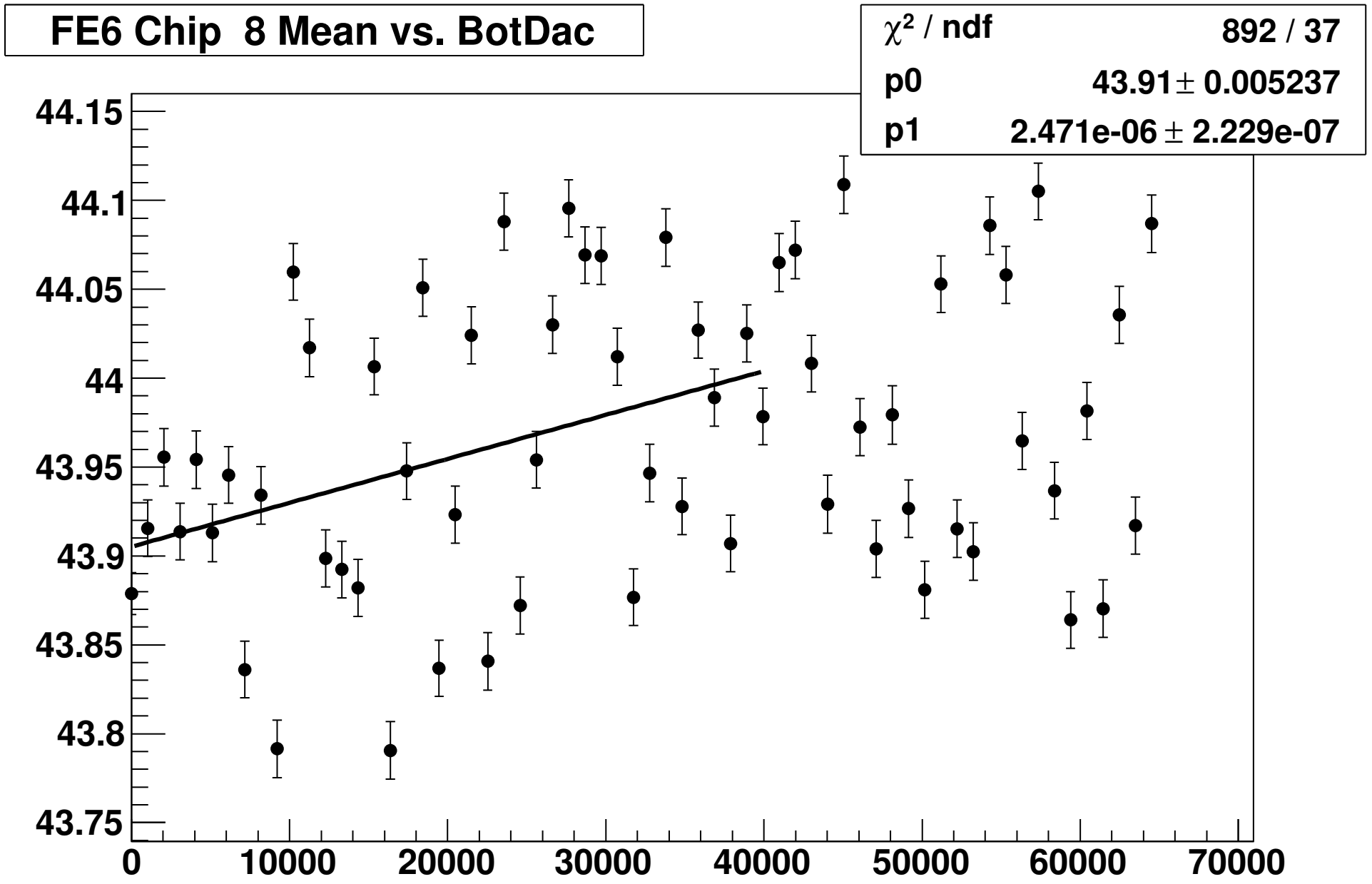
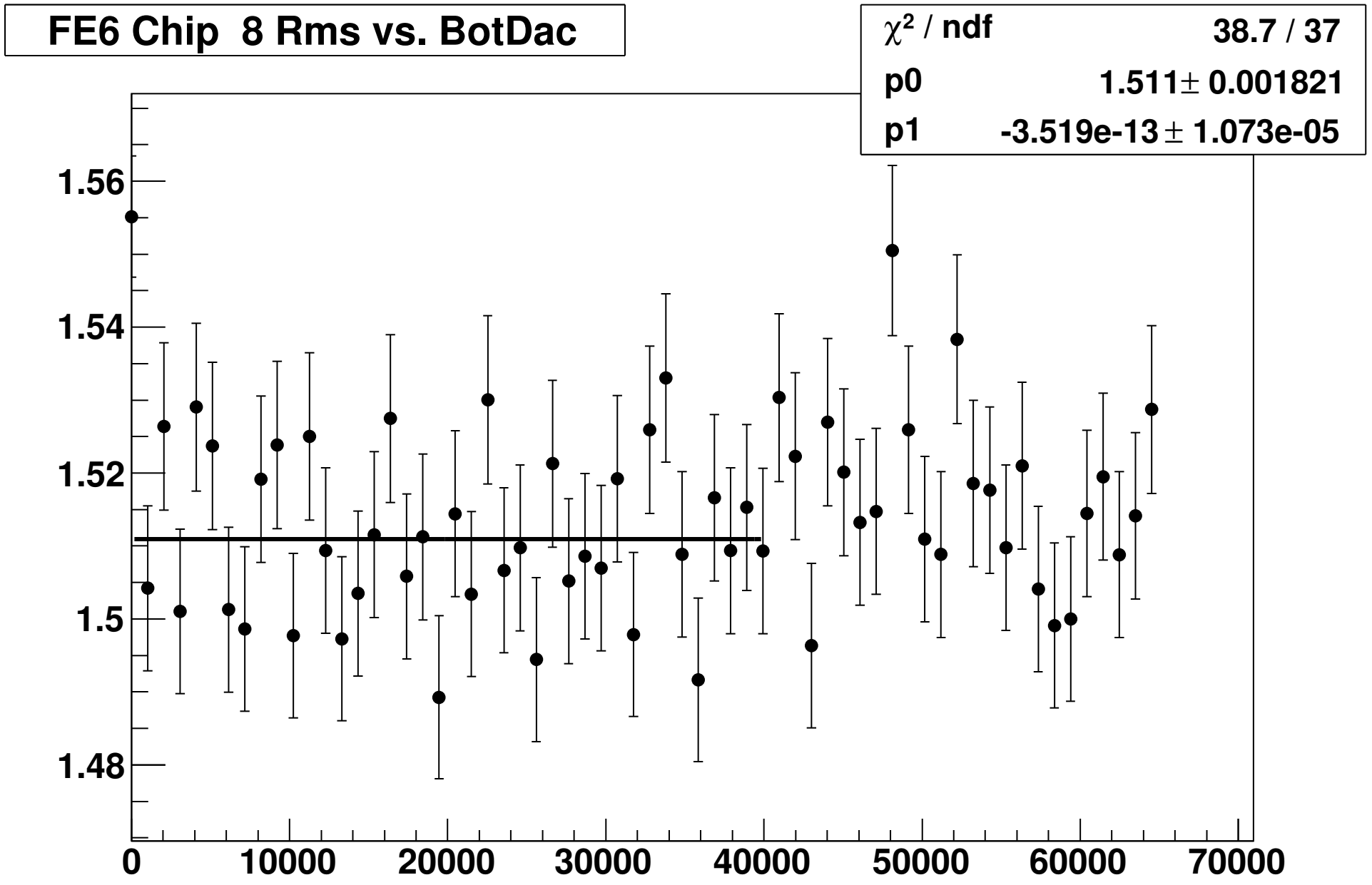
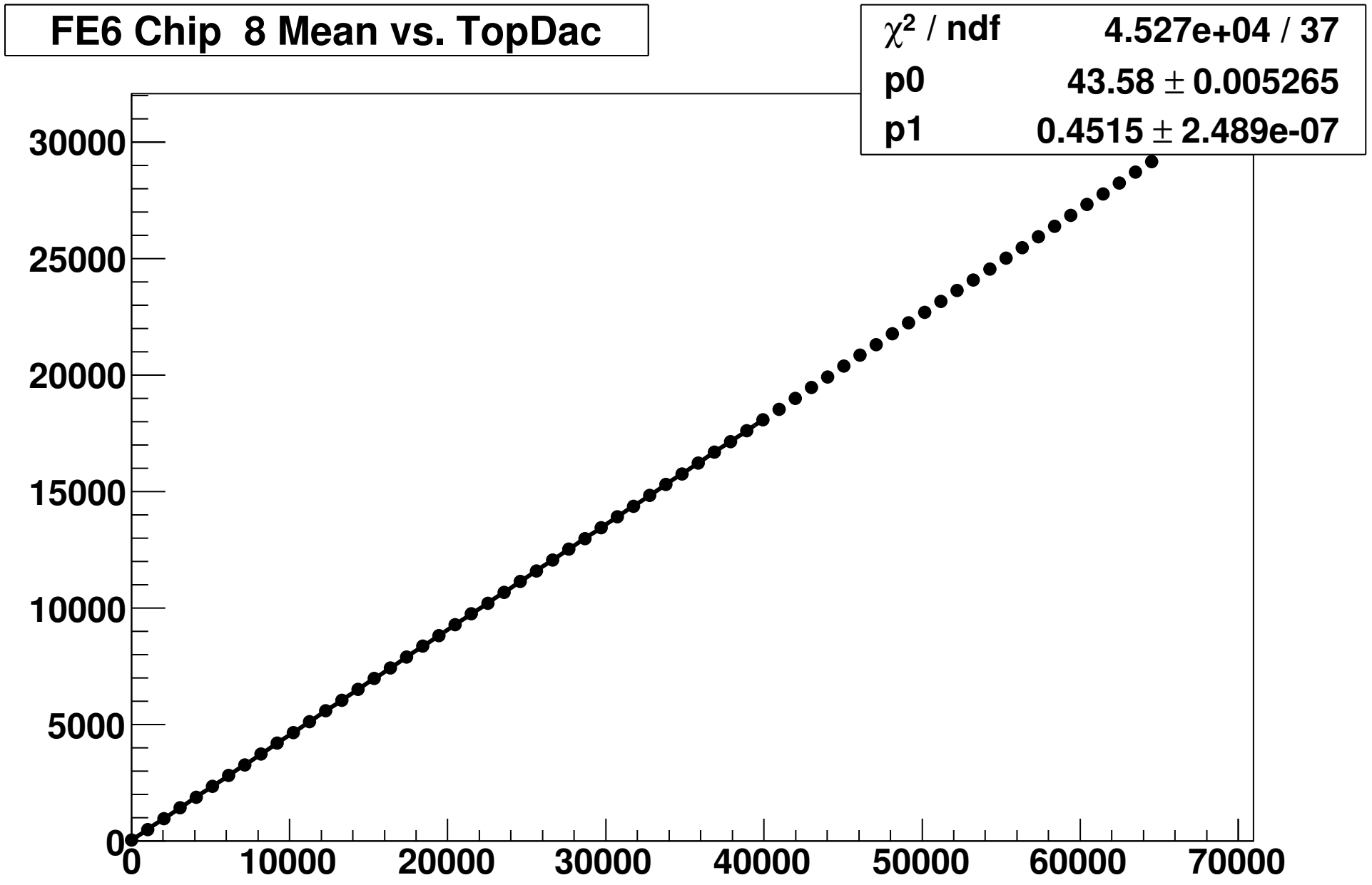

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 892 / 37
p0 43.91 ± 0.005237
p1 2.471e-06 ± 2.229e-07
44.15
44.1
44.05
44
43.95
43.9
43.85
43.8
43.75
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 38.7 / 37
p0 1.511 ± 0.001821
p1 -3.519e-13 ± 1.073e-05
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 4.527e+04 / 37
p0 43.58 ± 0.005265
p1 0.4515 ± 2.489e-07
30000
25000
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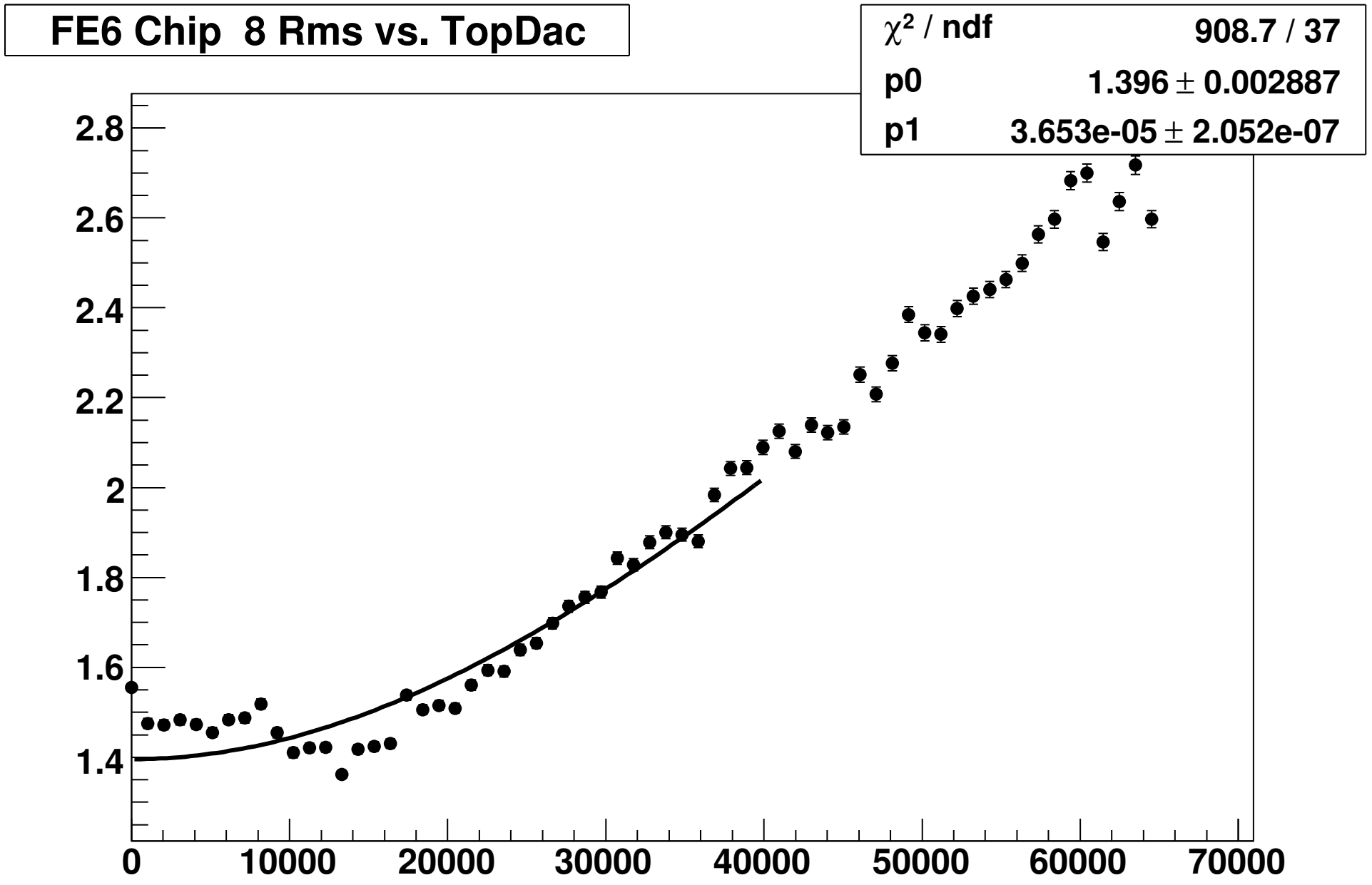
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 908.7 / 37
p0 1.396 ± 0.002887
p1 3.653e-05 ± 2.052e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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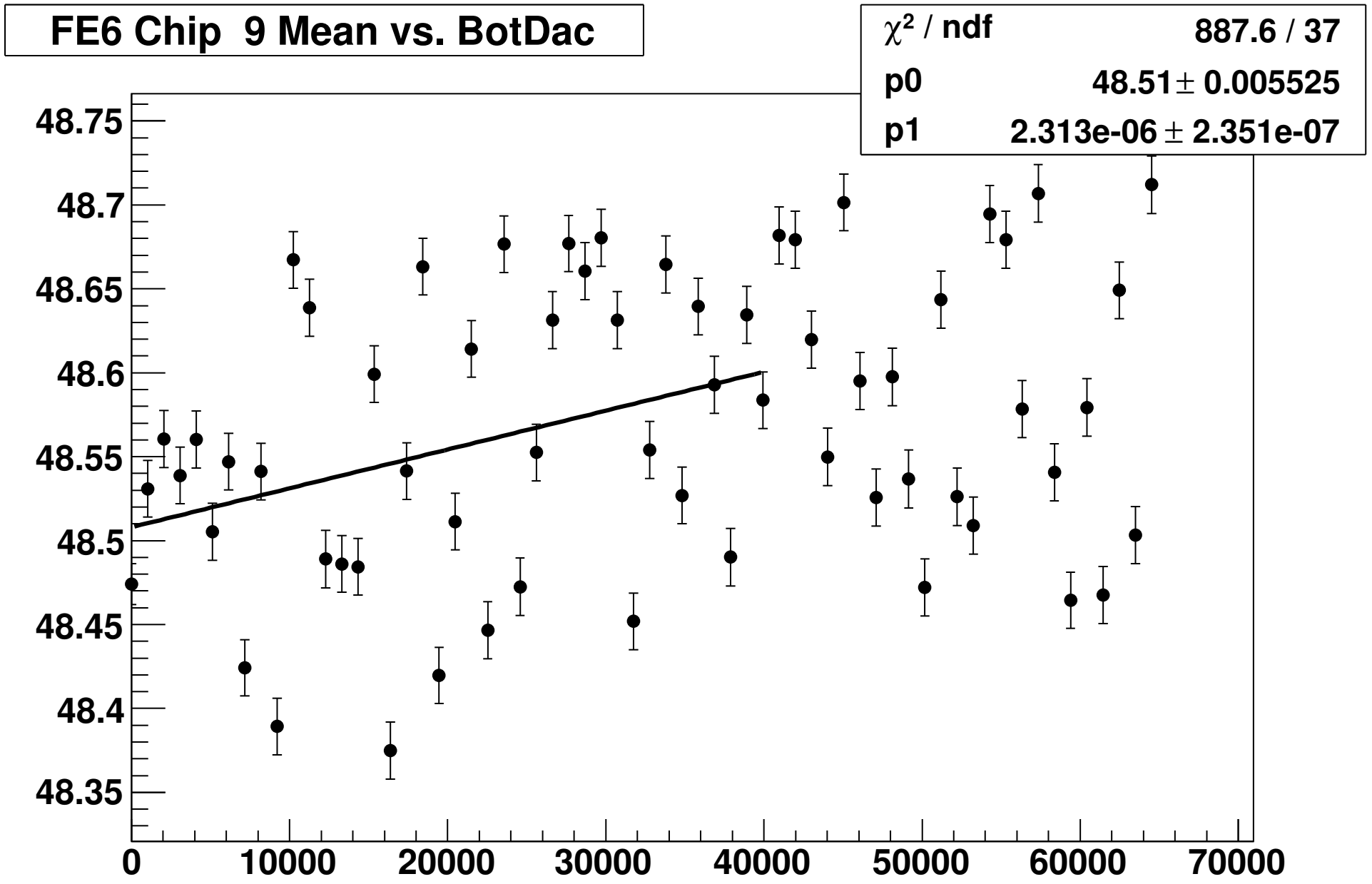
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 887.6 / 37
p0 48.51 ± 0.005525
p1 2.313e-06 ± 2.351e-07
48.75
48.7
48.65
48.6
48.55
48.5
48.45
48.4
48.35
0
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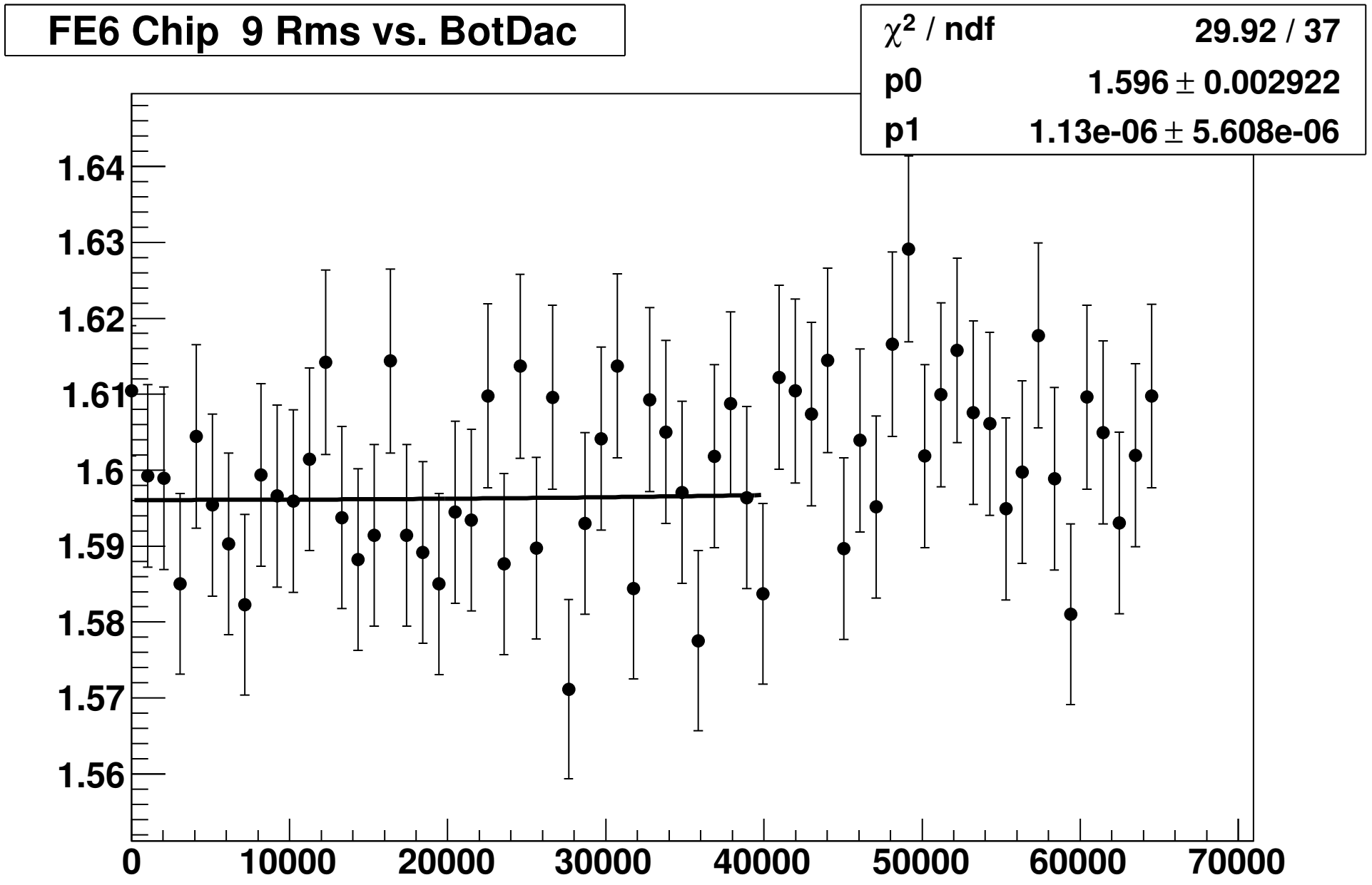
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 29.92 / 37
p0 1.596 ± 0.002922
p1 1.13e-06 ± 5.608e-06
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
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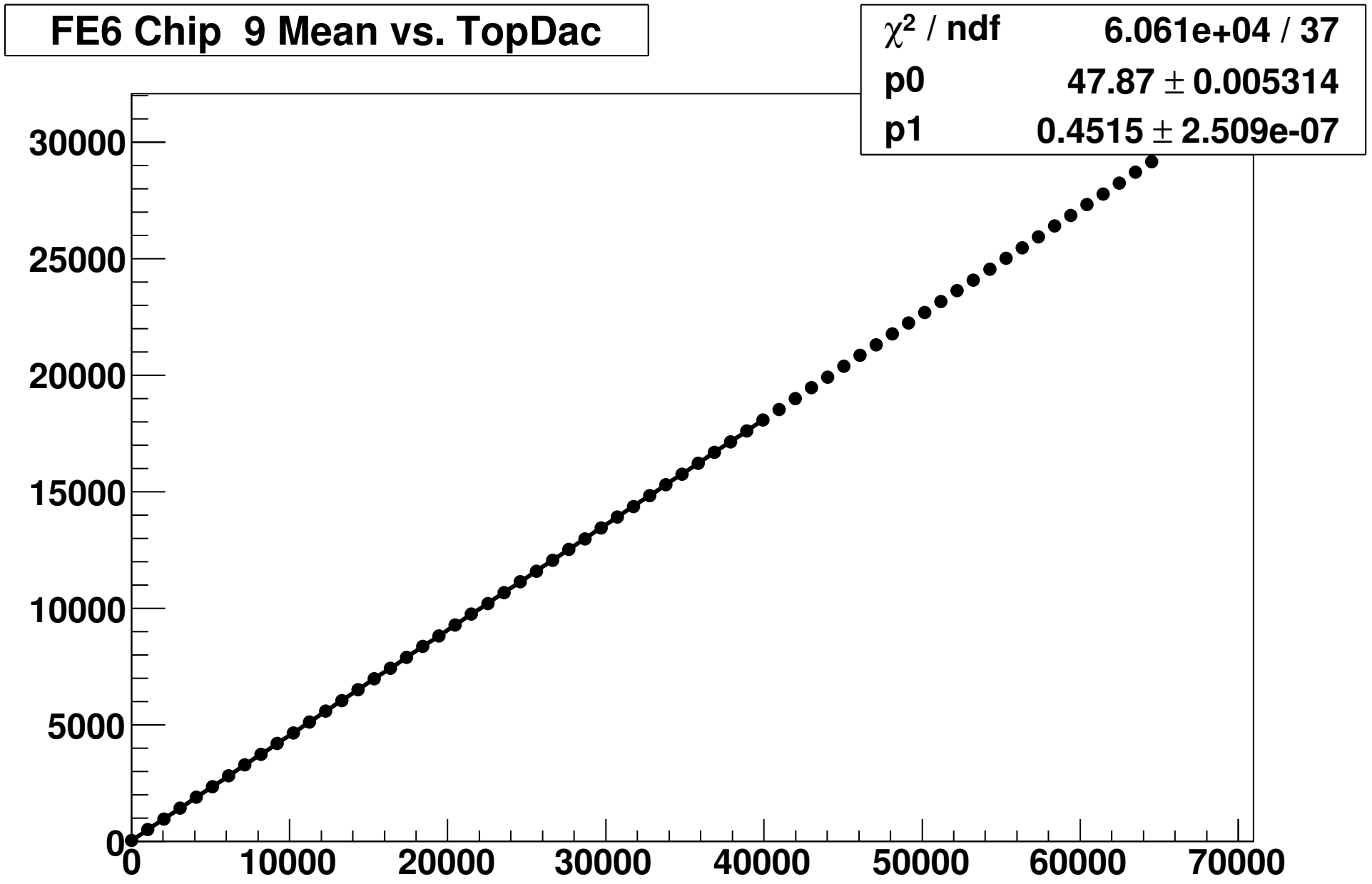
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 6.061e+04 / 37
p0 47.87 ± 0.005314
p1 0.4515 ± 2.509e-07
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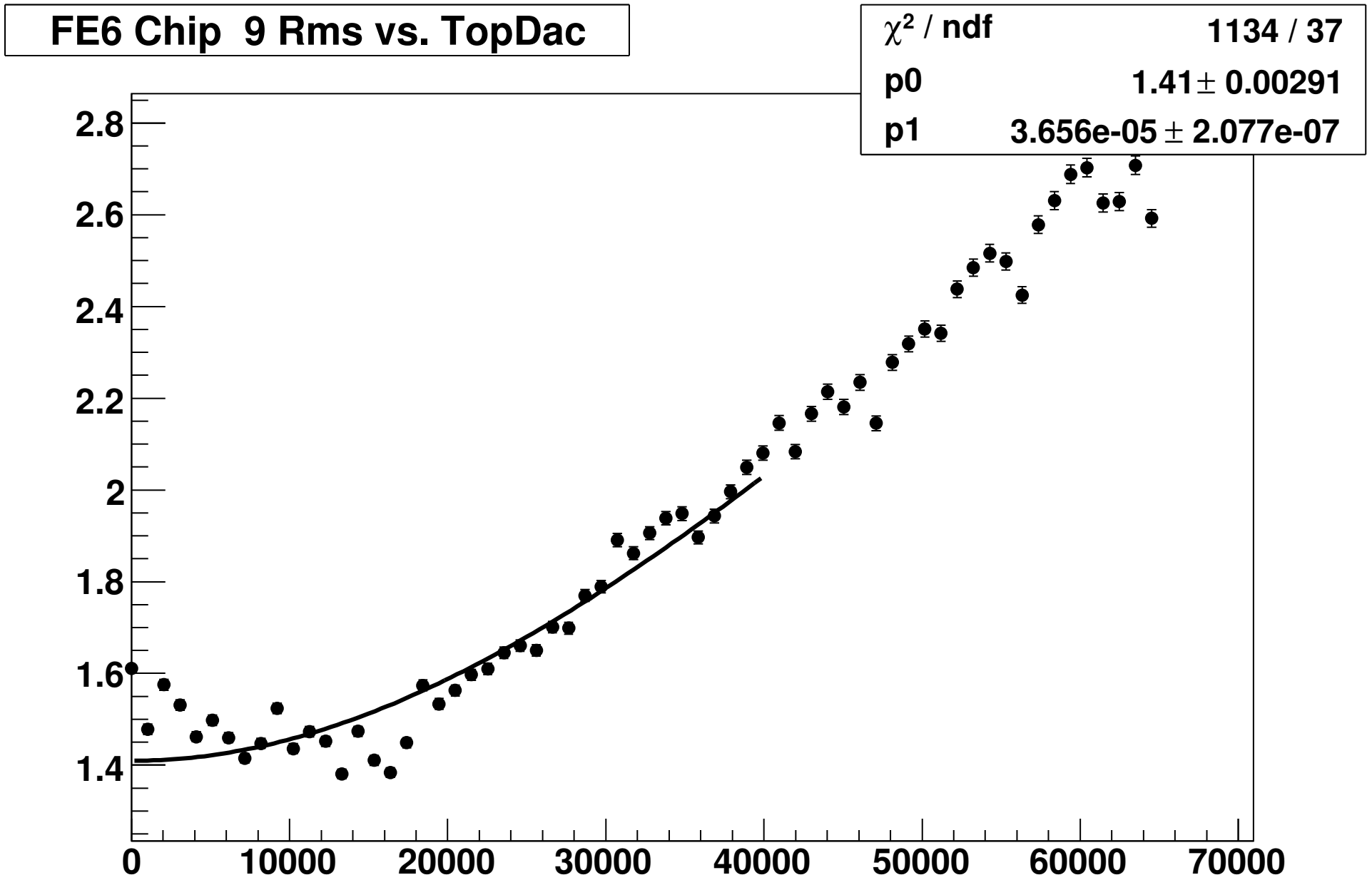
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1134 / 37
p0 1.41 ± 0.00291
p1 3.656e-05 ± 2.077e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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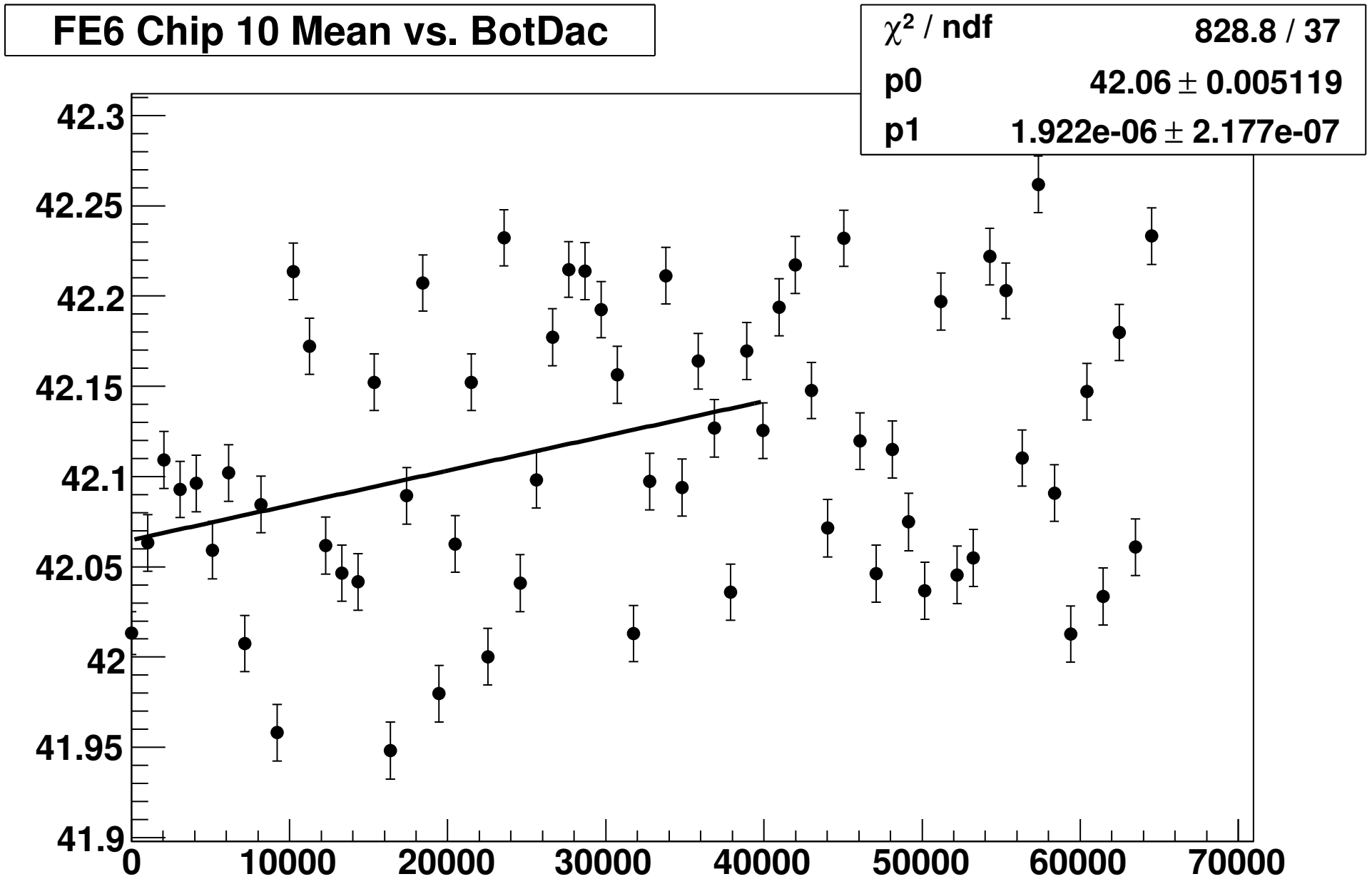
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 828.8 / 37
p0 42.06 ± 0.005119
p1 1.922e-06 ± 2.177e-07
42.3
42.25
42.2
42.15
42.1
42.05
42
41.95
41.9
0
10000
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50000
60000
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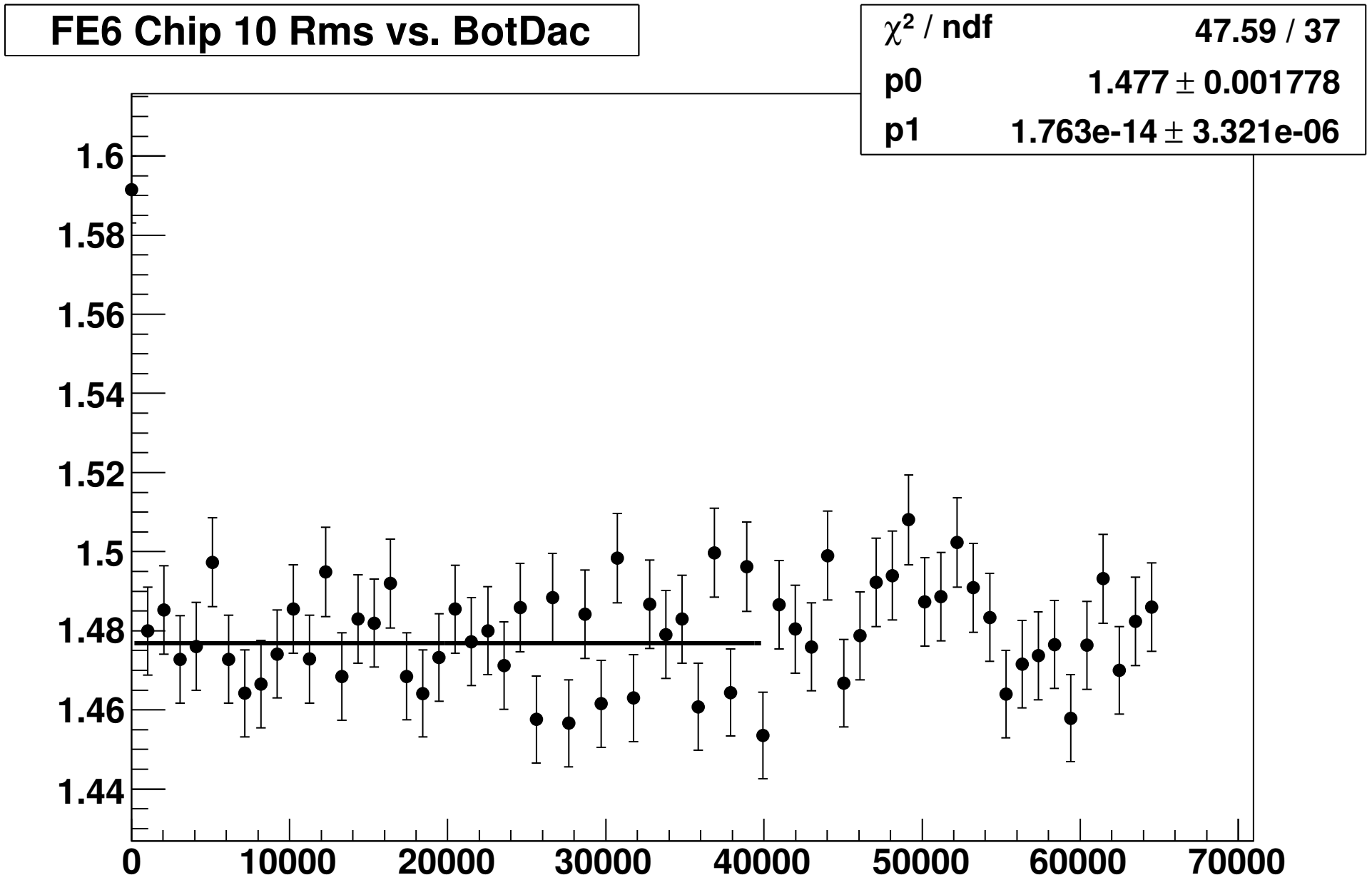
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 47.59 / 37
p0 1.477 ± 0.001778
p1 1.763e-14 ± 3.321e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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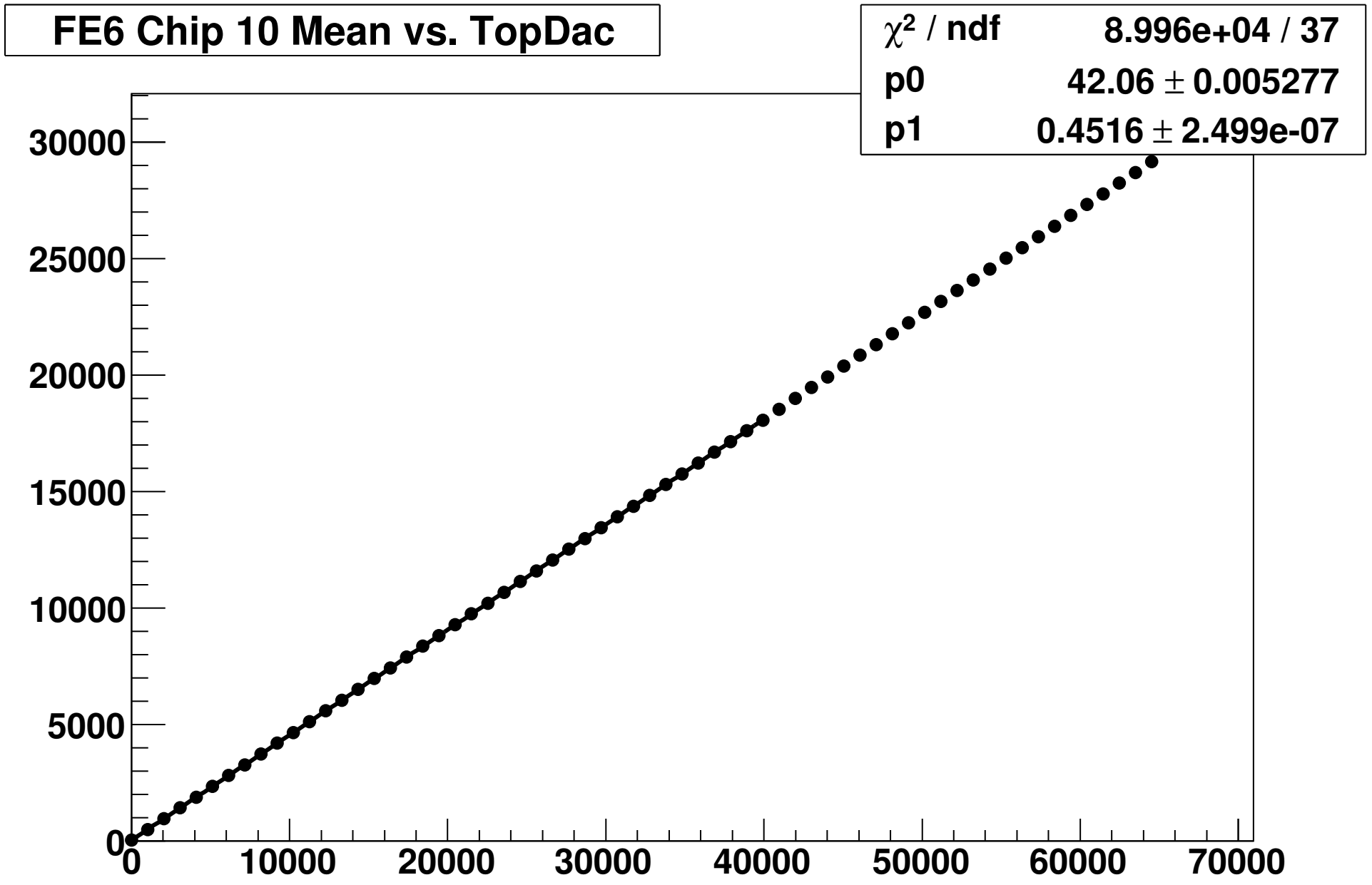
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 8.996e+04 / 37
p0 42.06 ± 0.005277
p1 0.4516 ± 2.499e-07
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5000
0
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10000
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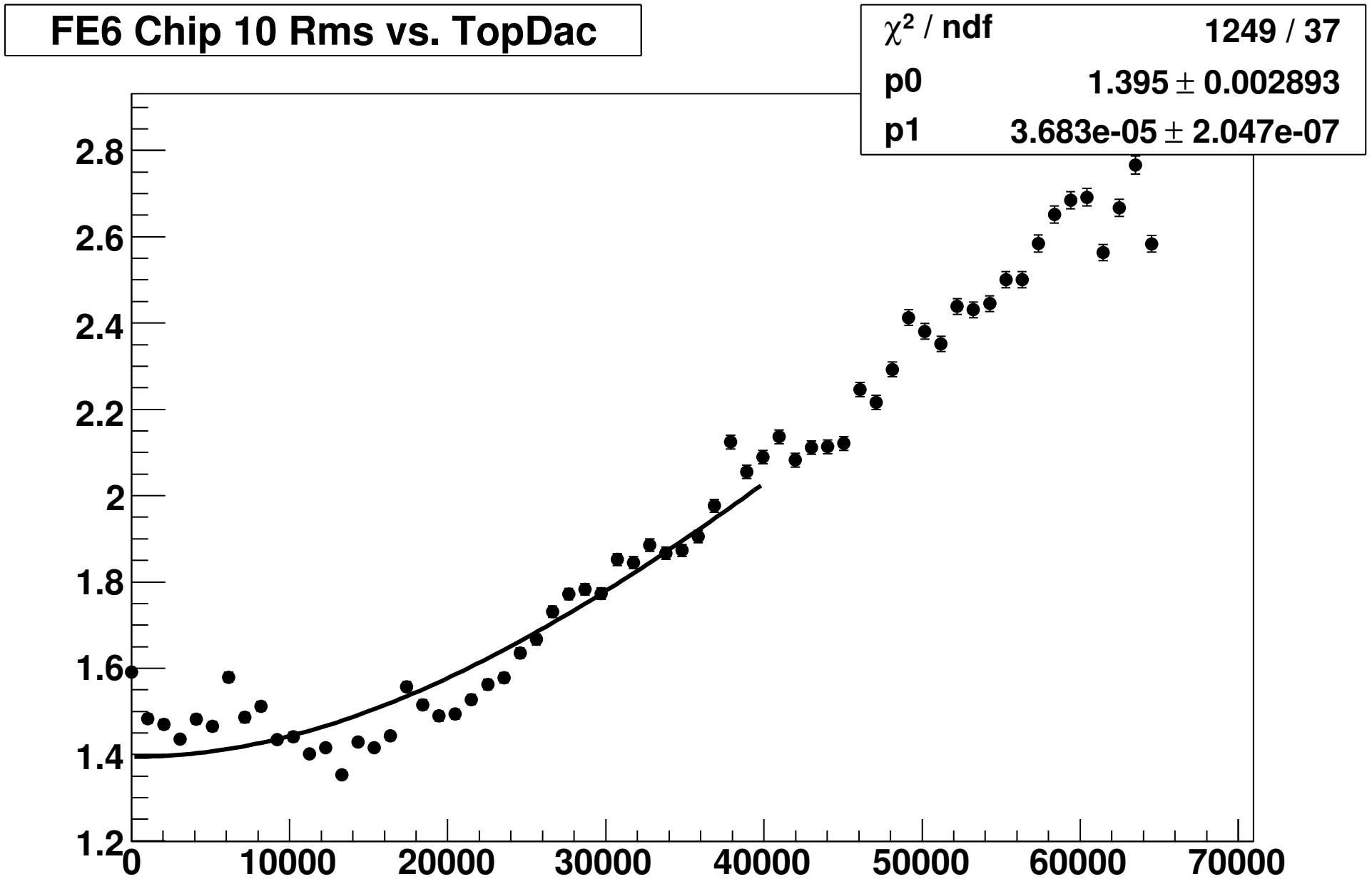
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1249 / 37
p0 1.395 ± 0.002893
p1 3.683e-05 ± 2.047e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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30000
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50000
60000
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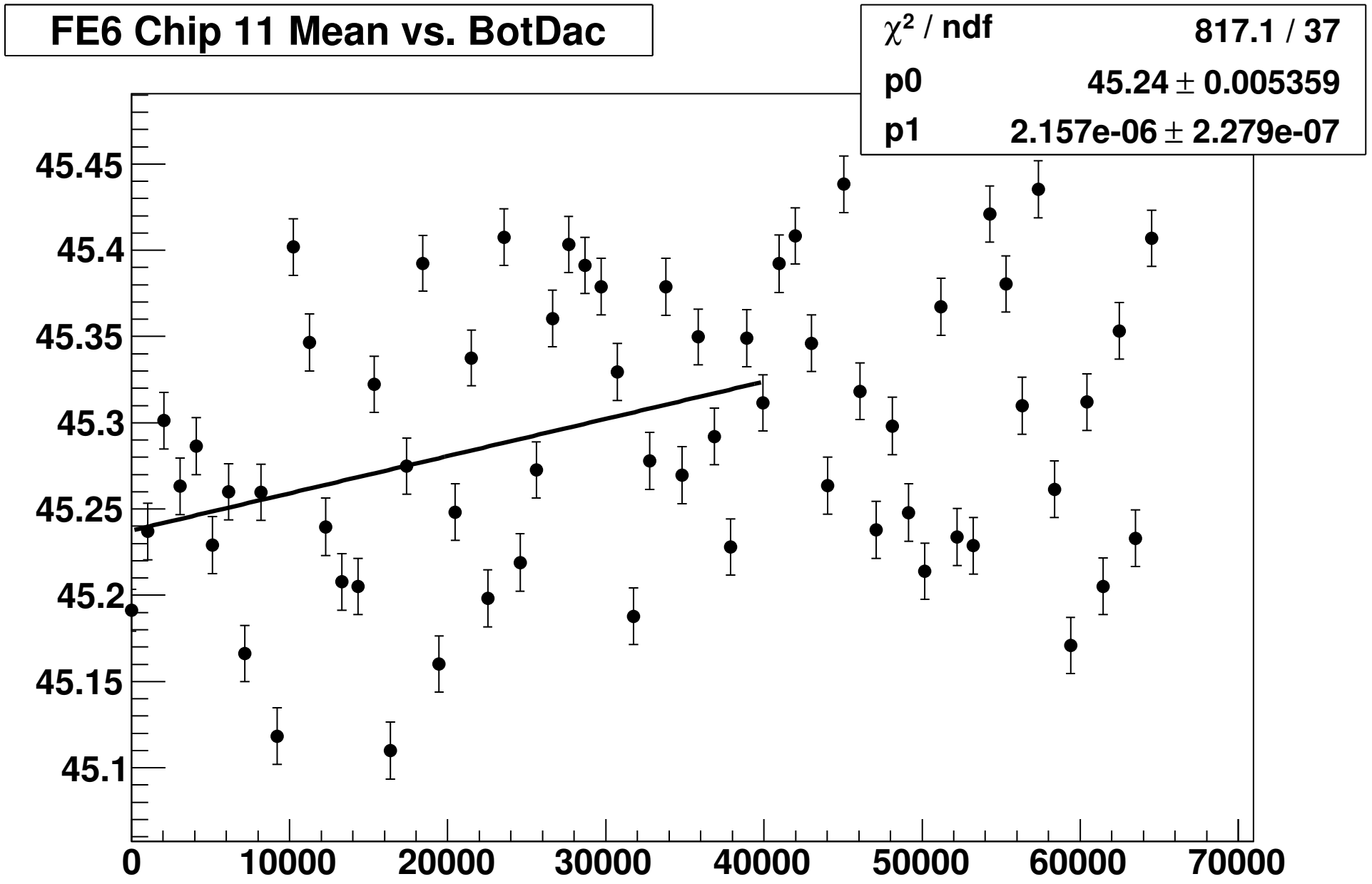
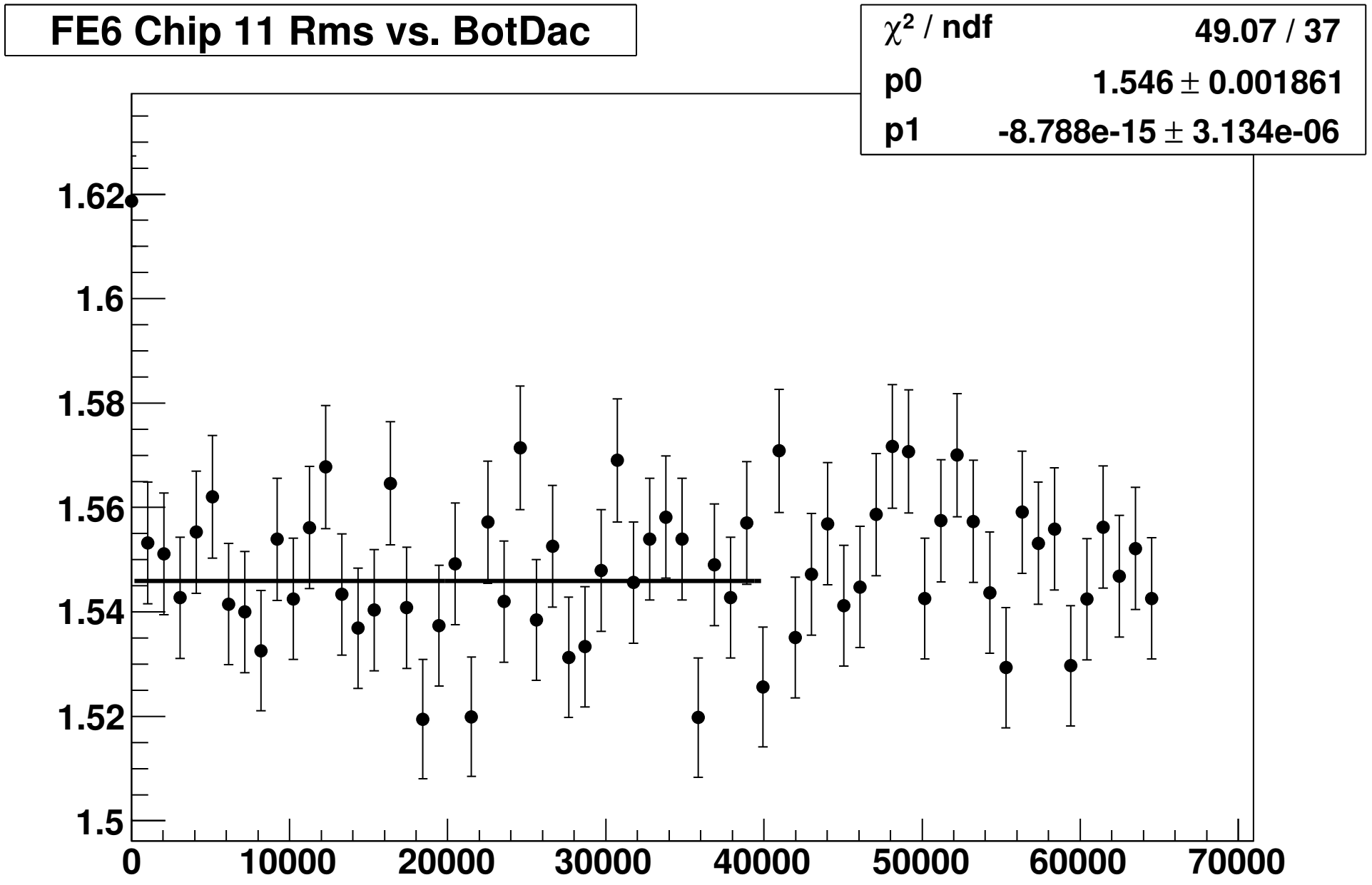

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 817.1 / 37
p0 45.24 ± 0.005359
p1 2.157e-06 ± 2.279e-07
45.45
45.4
45.35
45.3
45.25
45.2
45.15
45.1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 49.07 / 37
p0 1.546 ± 0.001861
p1 -8.788e-15 ± 3.134e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
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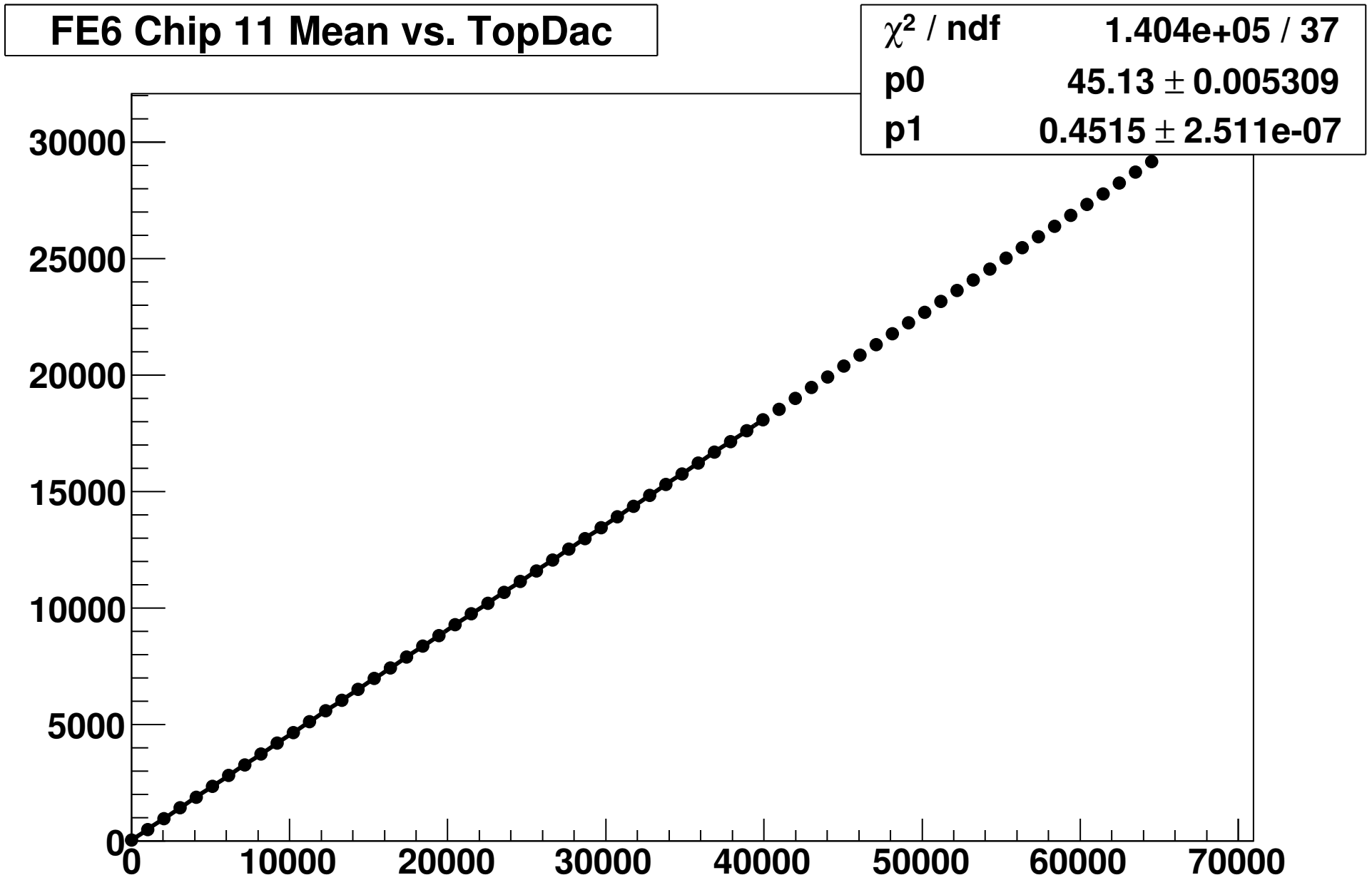
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.404e+05 / 37
p0 45.13 ± 0.005309
p1 0.4515 ± 2.511e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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50000
60000
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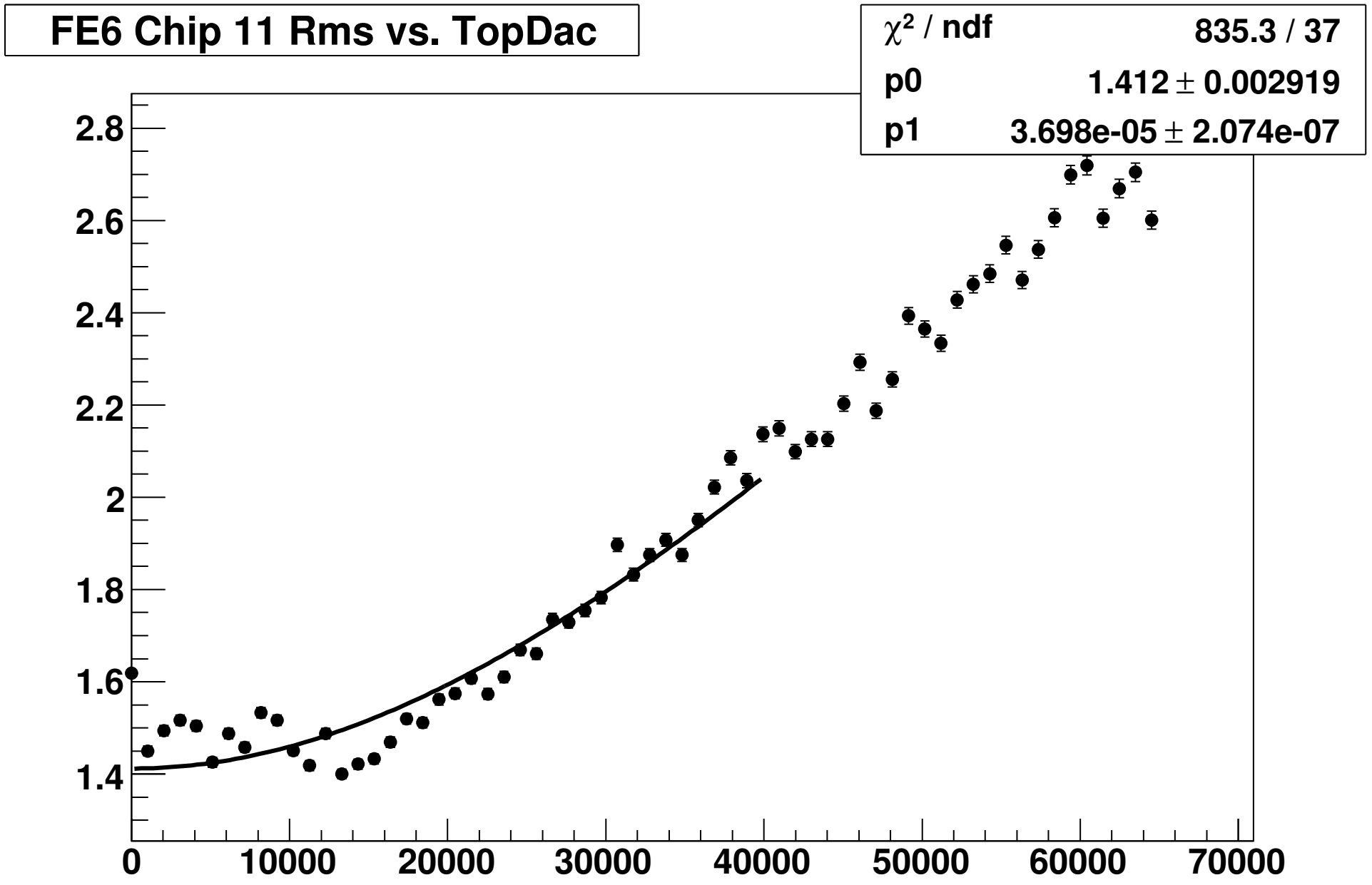
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 835.3 / 37
p0 1.412 ± 0.002919
p1 3.698e-05 ± 2.074e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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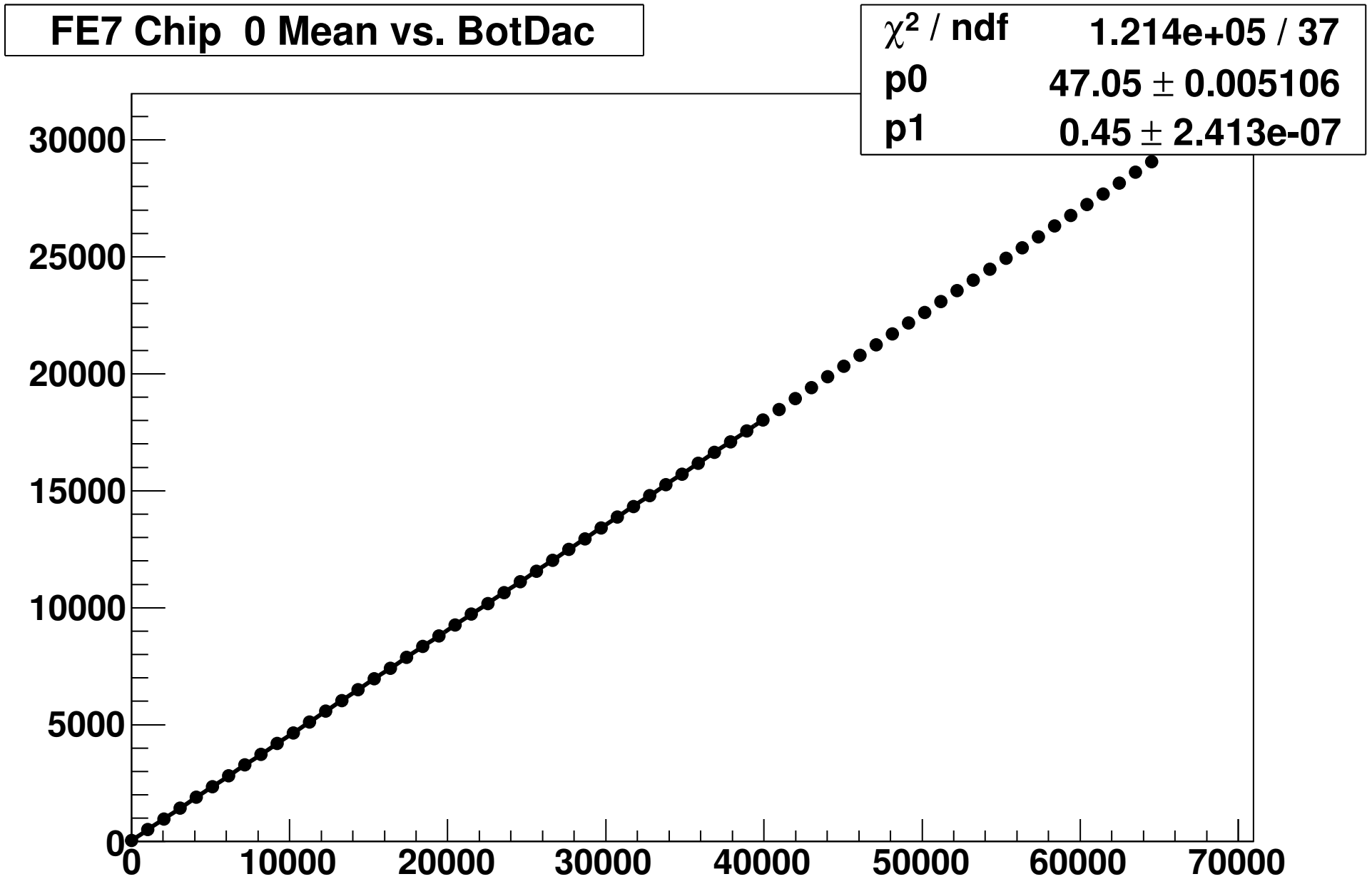
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.214e+05 / 37
p0 47.05 ± 0.005106
p1 0.45 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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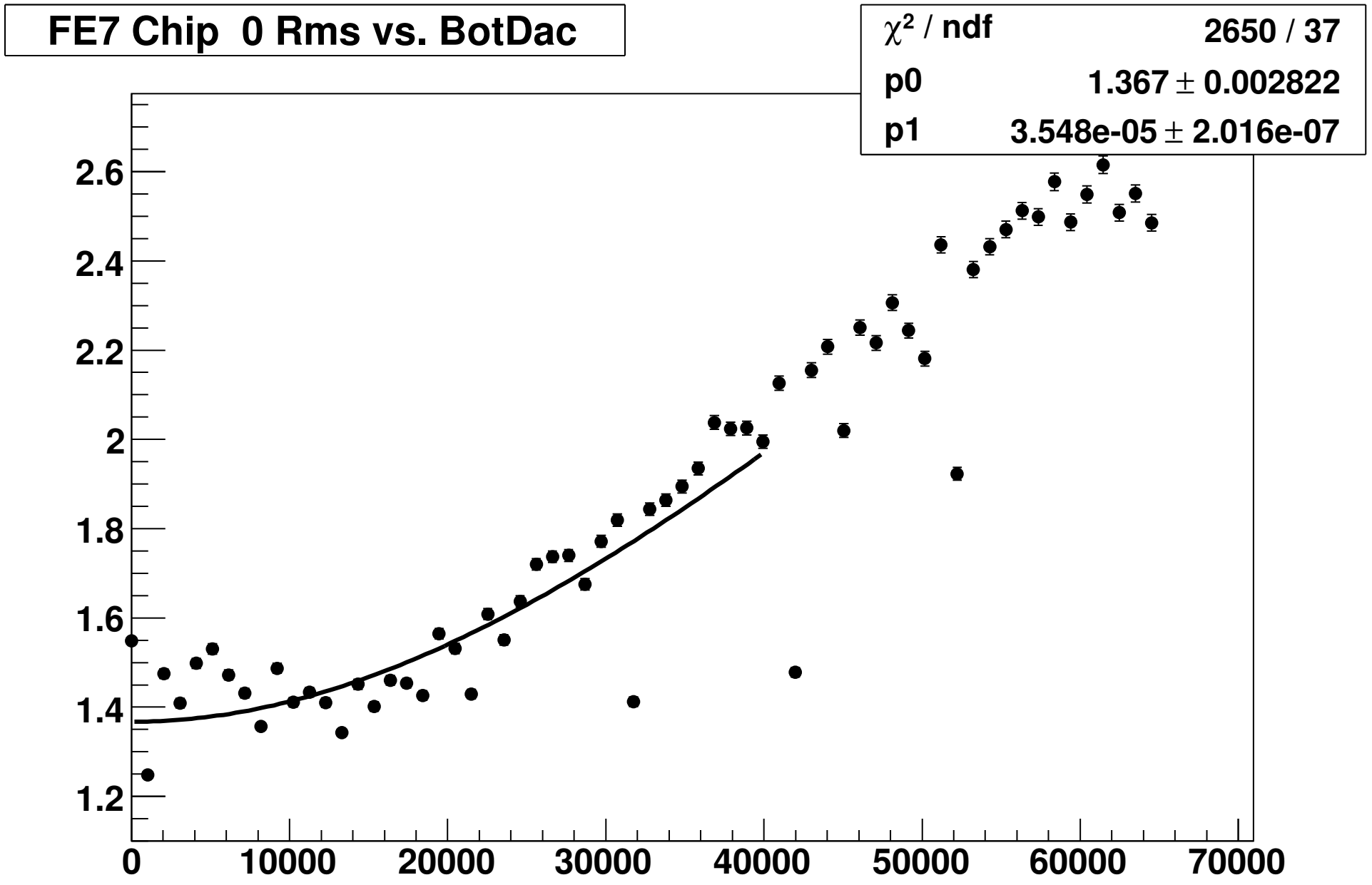
FE7 Chip 0 Rms vs. BotDac
χ² / ndf 2650 / 37
p0 1.367 ± 0.002822
p1 3.548e-05 ± 2.016e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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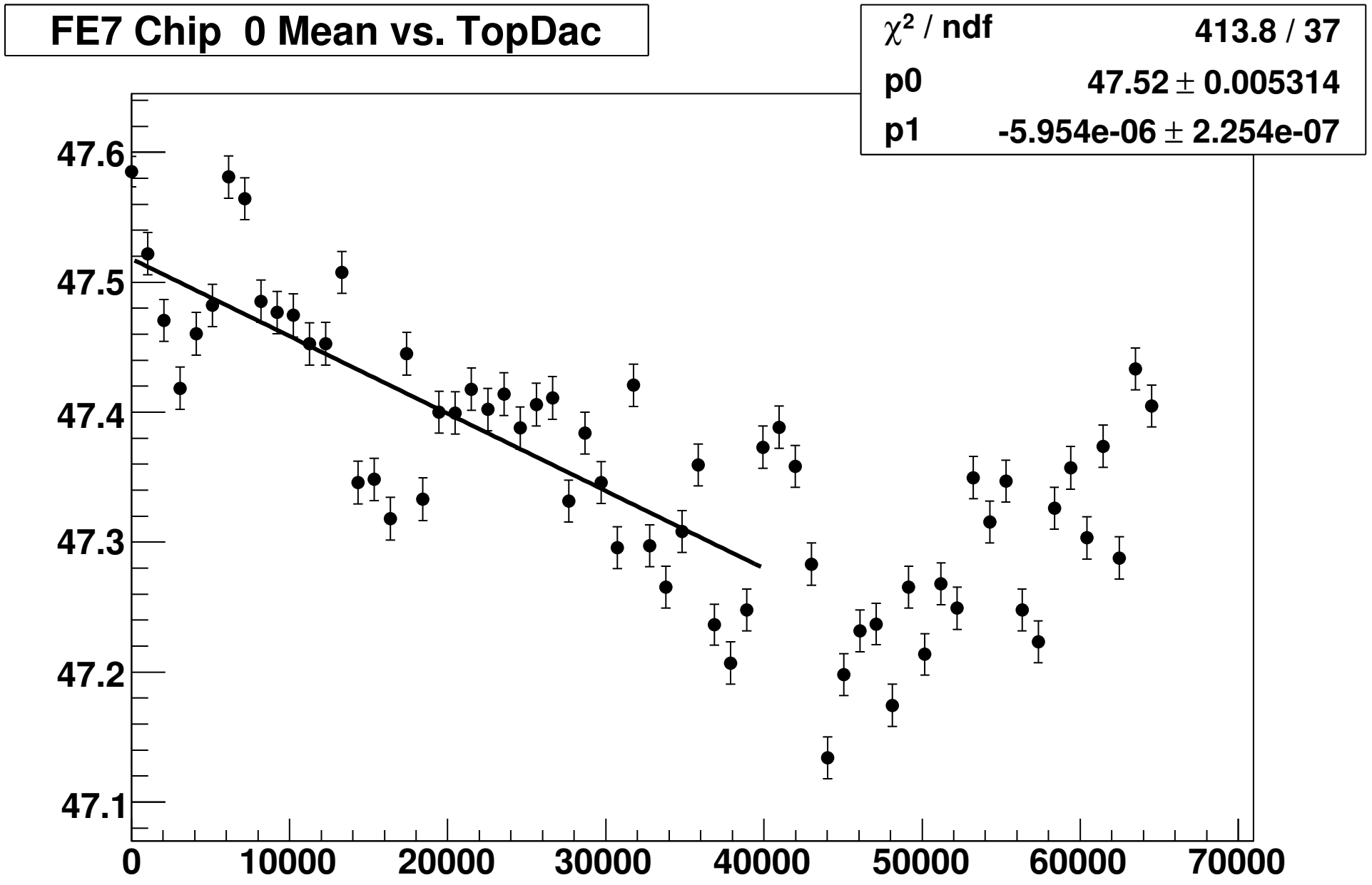
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 413.8 / 37
p0 47.52 ± 0.005314
p1 -5.954e-06 ± 2.254e-07
47.6
47.5
47.4
47.3
47.2
47.1
0
10000
20000
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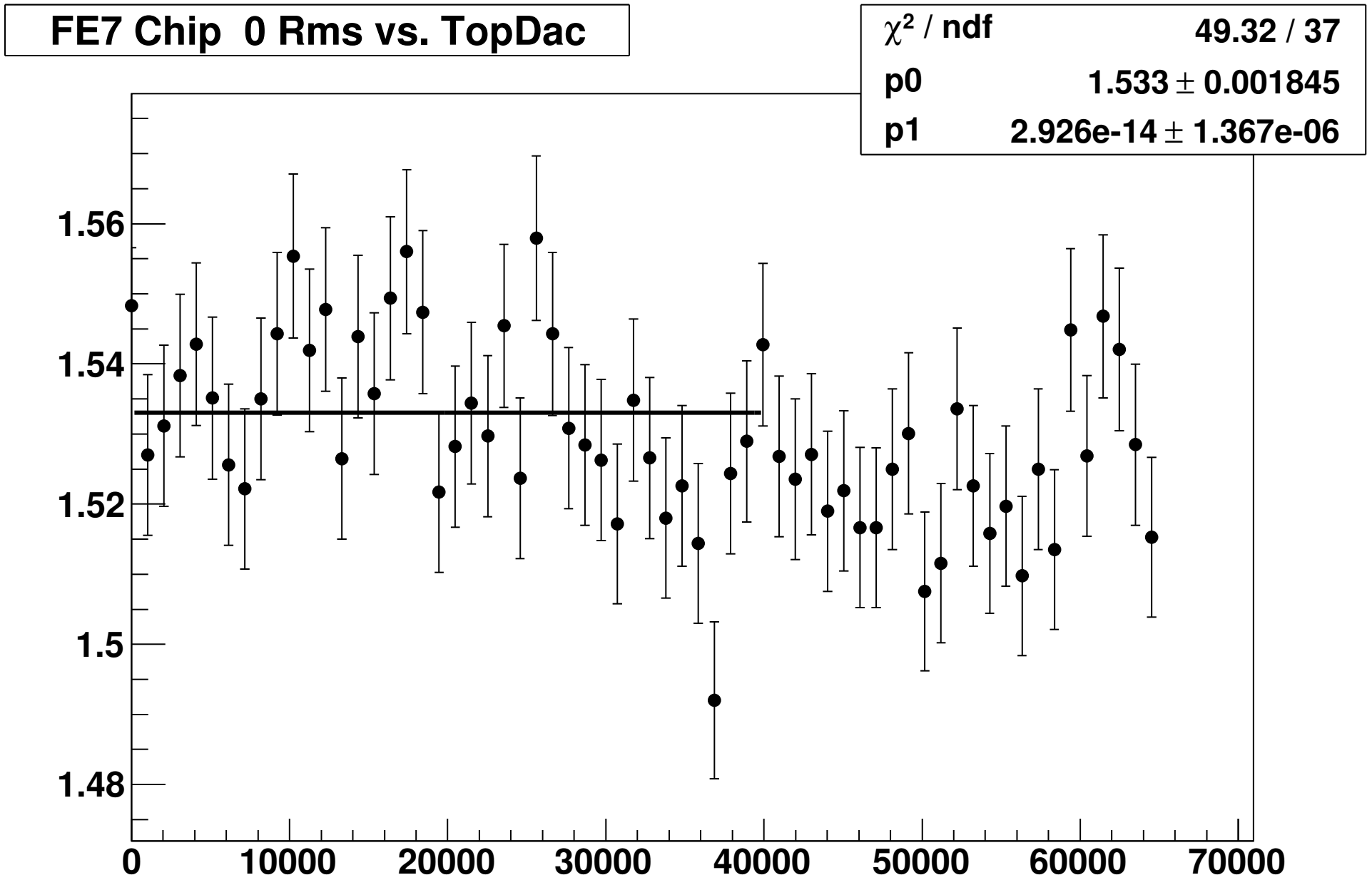
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 49.32 / 37
p0 1.533 ± 0.001845
p1 2.926e-14 ± 1.367e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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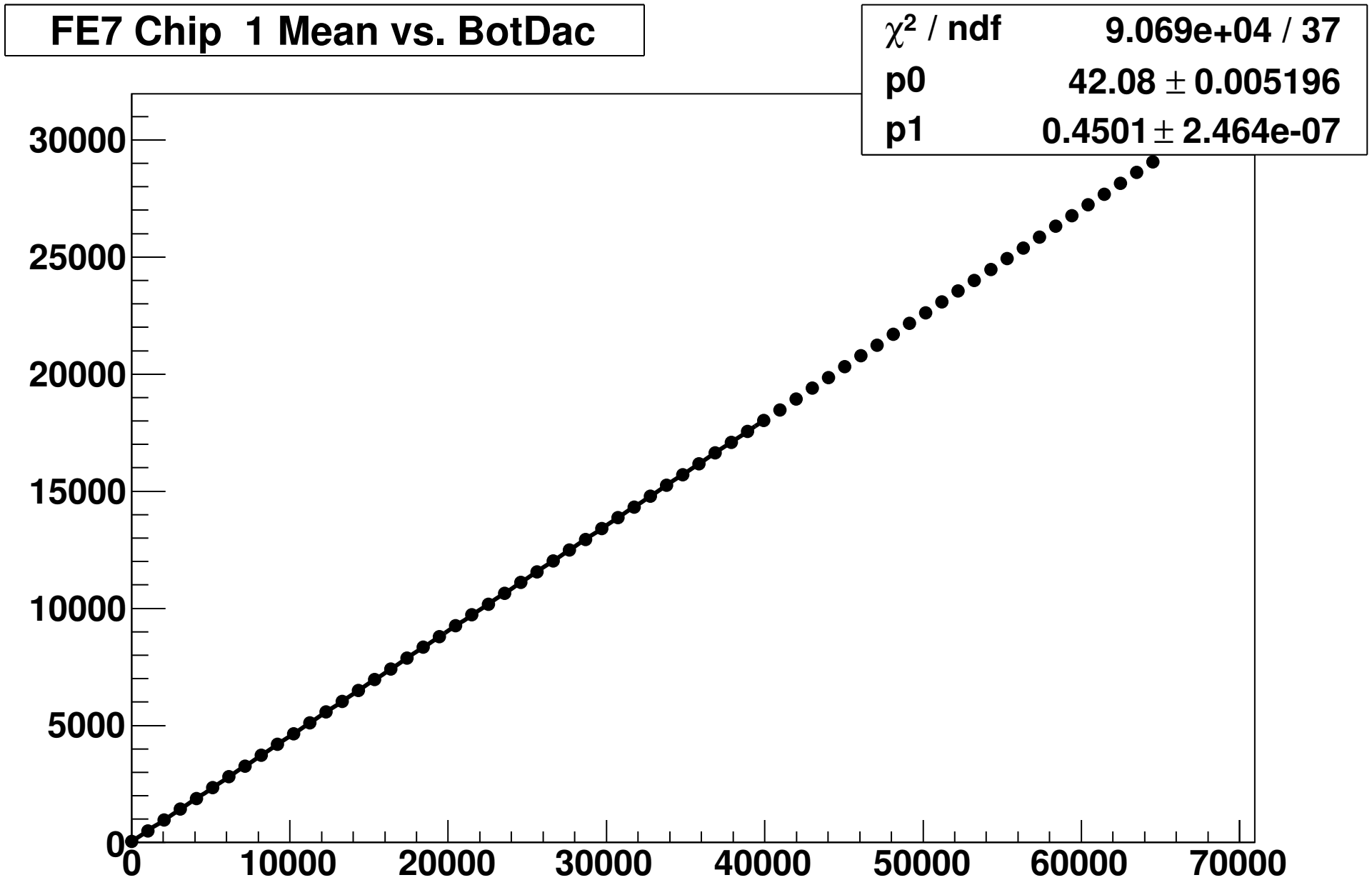
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 9.069e+04 / 37
p0 42.08 ± 0.005196
p1 0.4501 ± 2.464e-07
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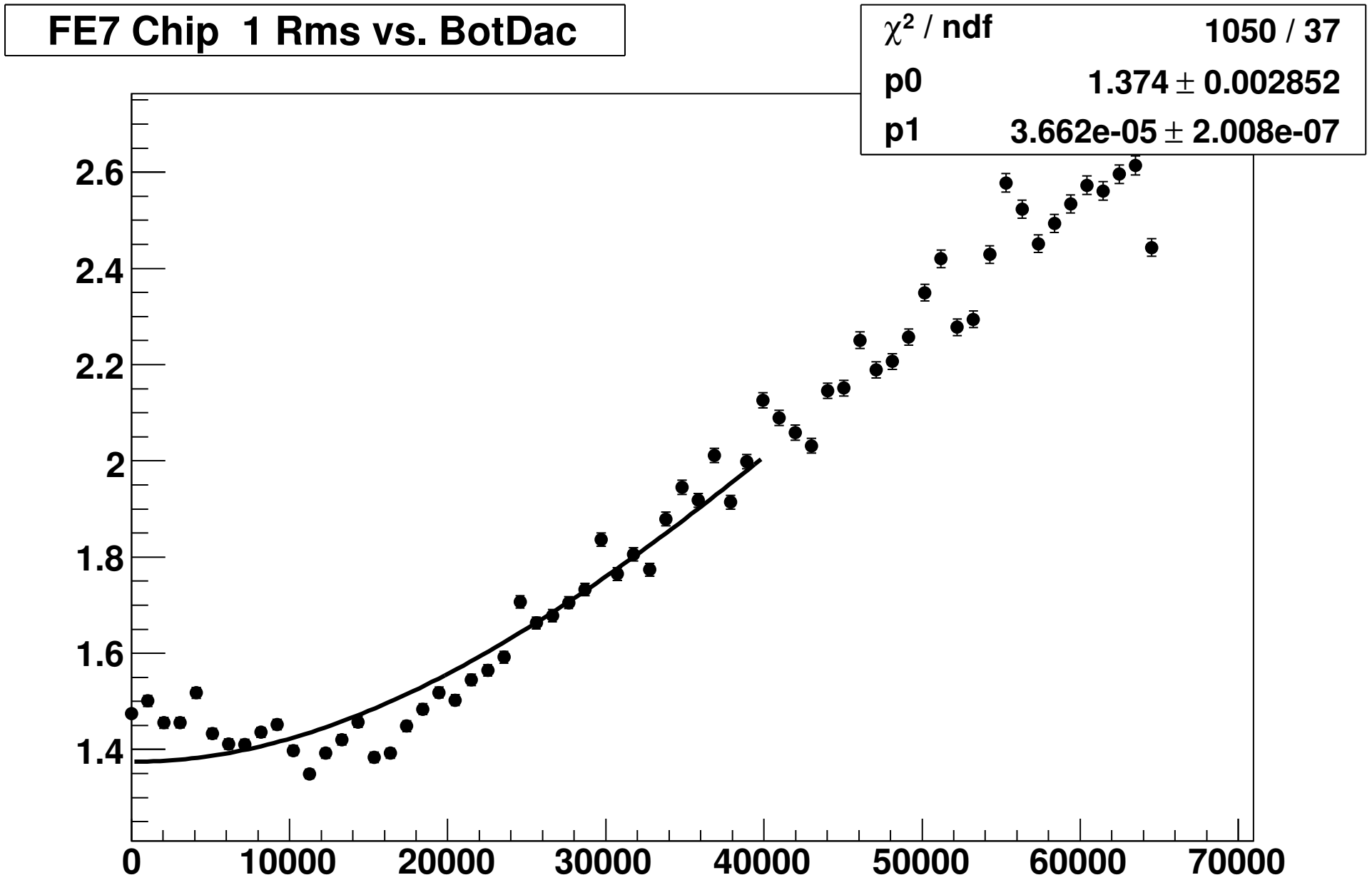
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1050 / 37
p0 1.374 ± 0.002852
p1 3.662e-05 ± 2.008e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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50000
60000
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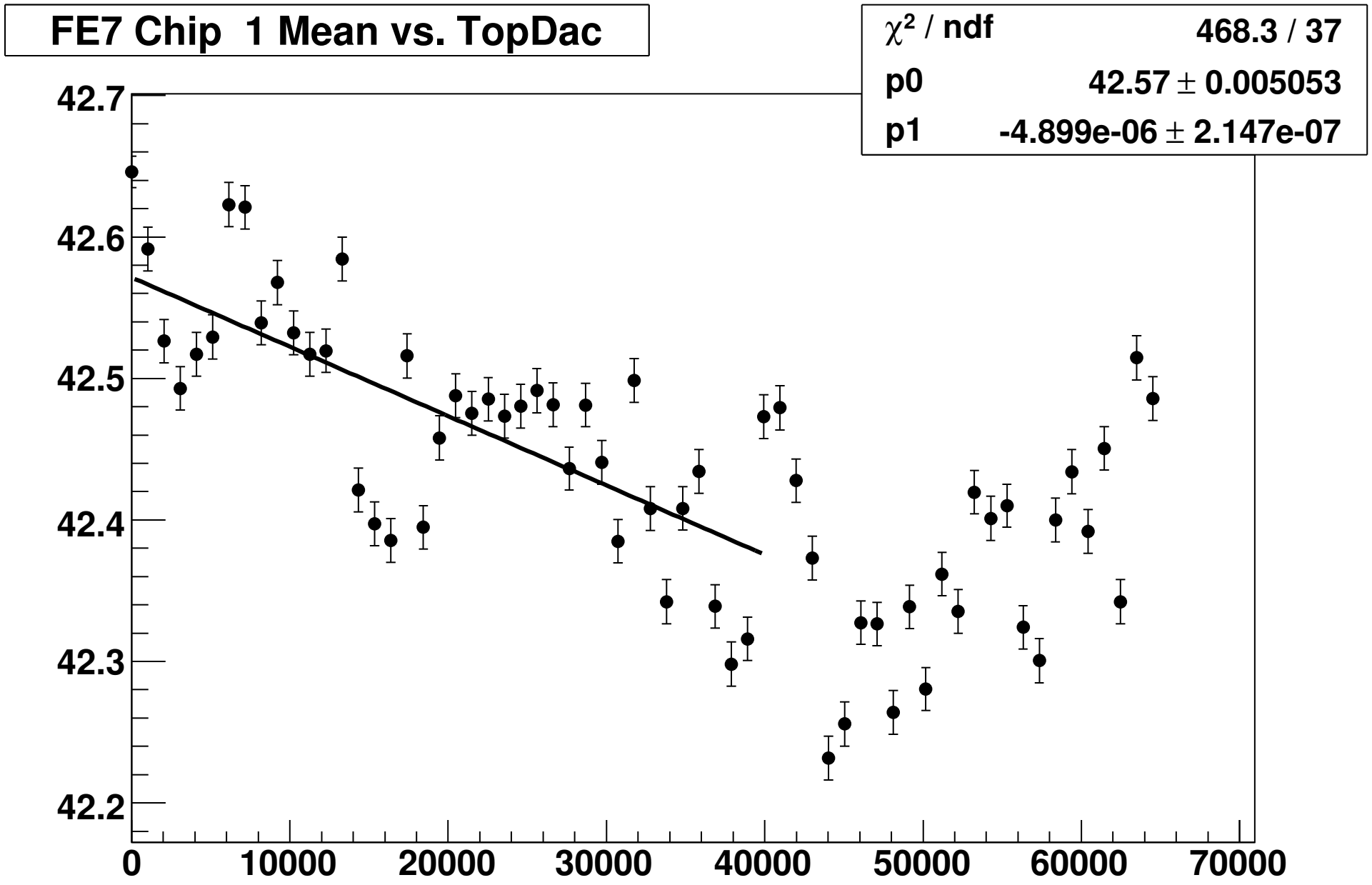
FE7 Chip 1 Mean vs. TopDac
χ² / ndf 468.3 / 37
p0 42.57 ± 0.005053
p1 -4.899e-06 ± 2.147e-07
42.7
42.6
42.5
42.4
42.3
42.2
0
10000
20000
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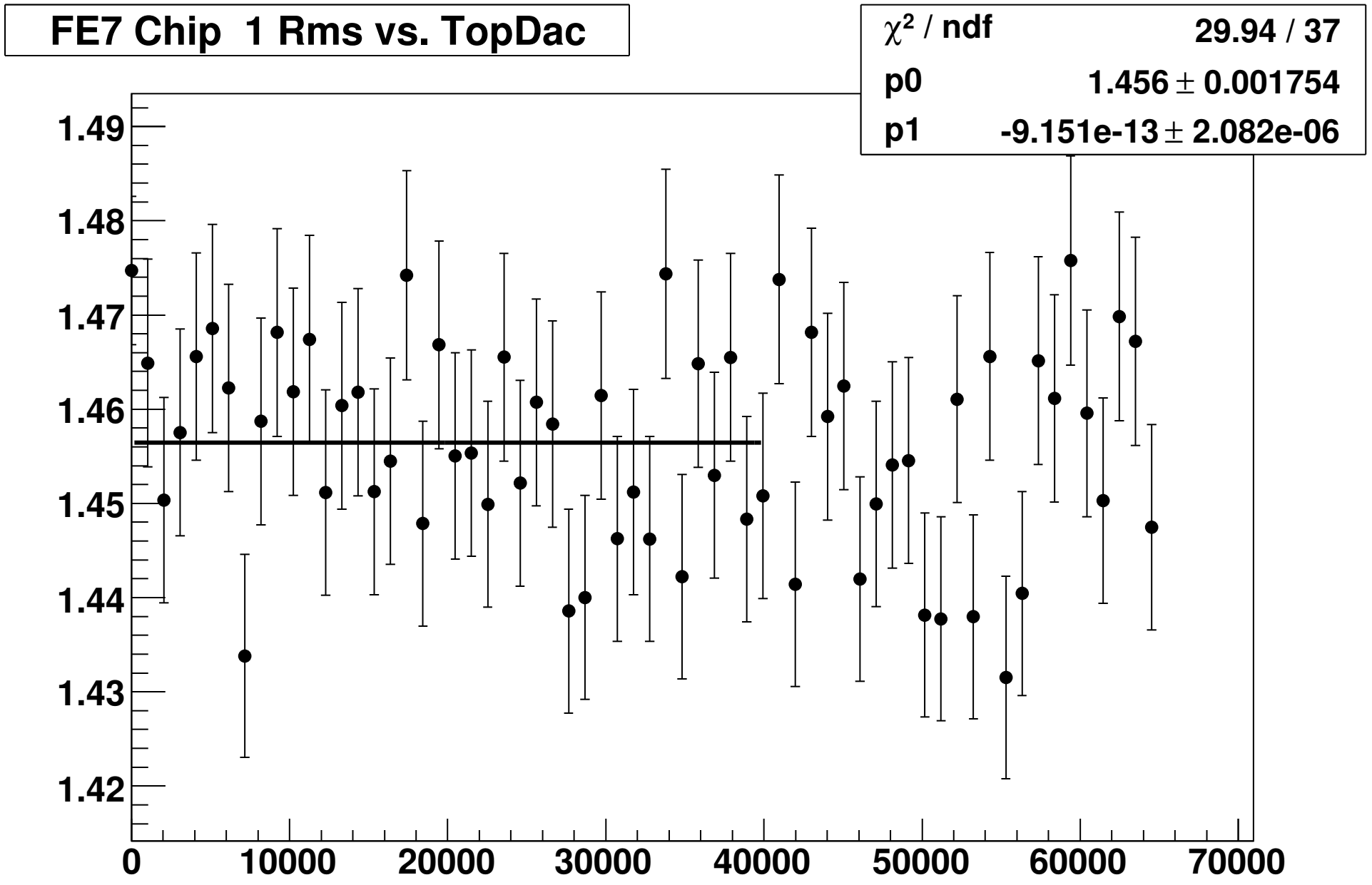
FE7 Chip 1 Rms vs. TopDac
χ² / ndf 29.94 / 37
p0 1.456 ± 0.001754
p1 -9.151e-13 ± 2.082e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
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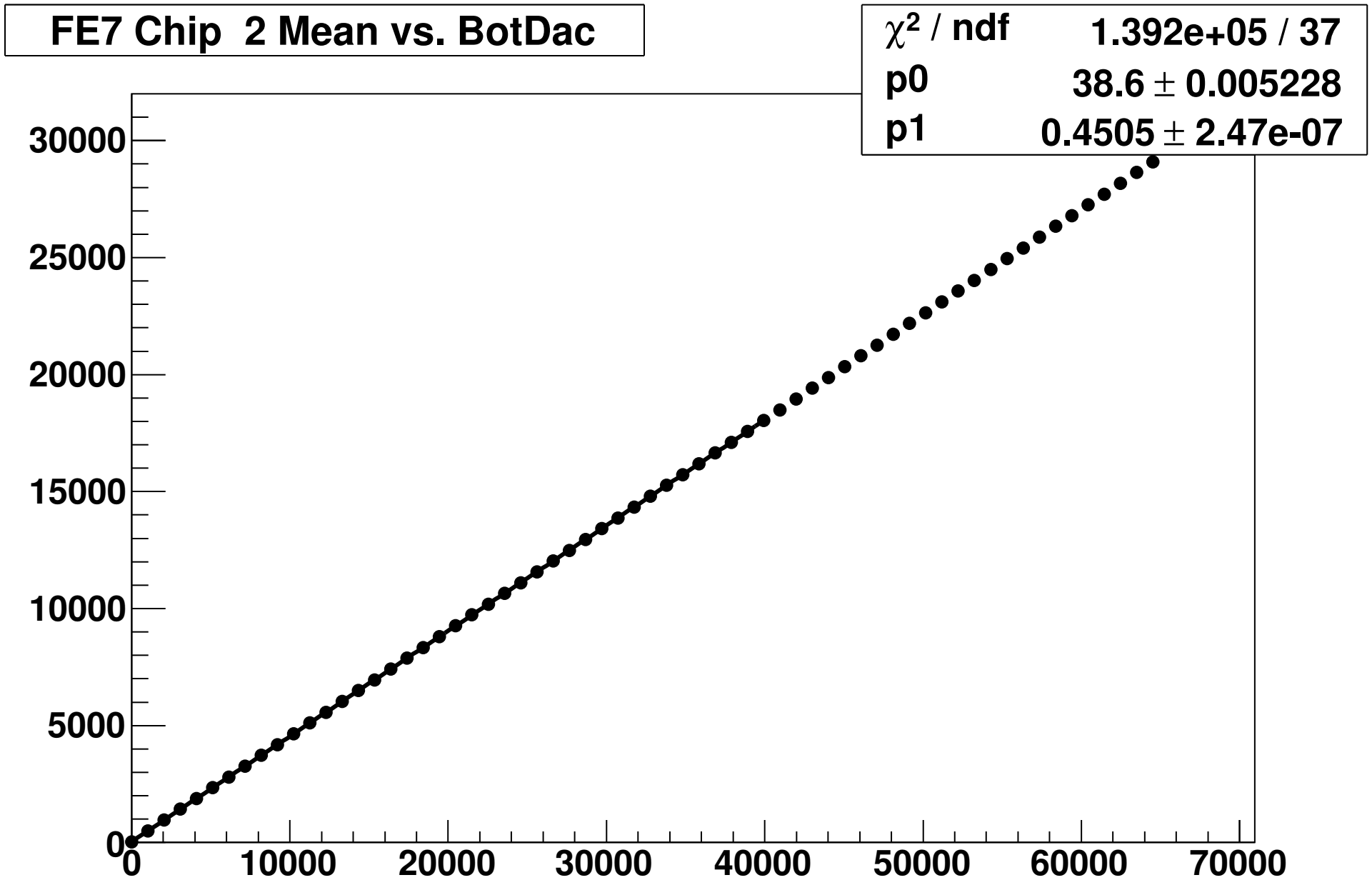
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.392e+05 / 37
p0 38.6 ± 0.005228
p1 0.4505 ± 2.47e-07
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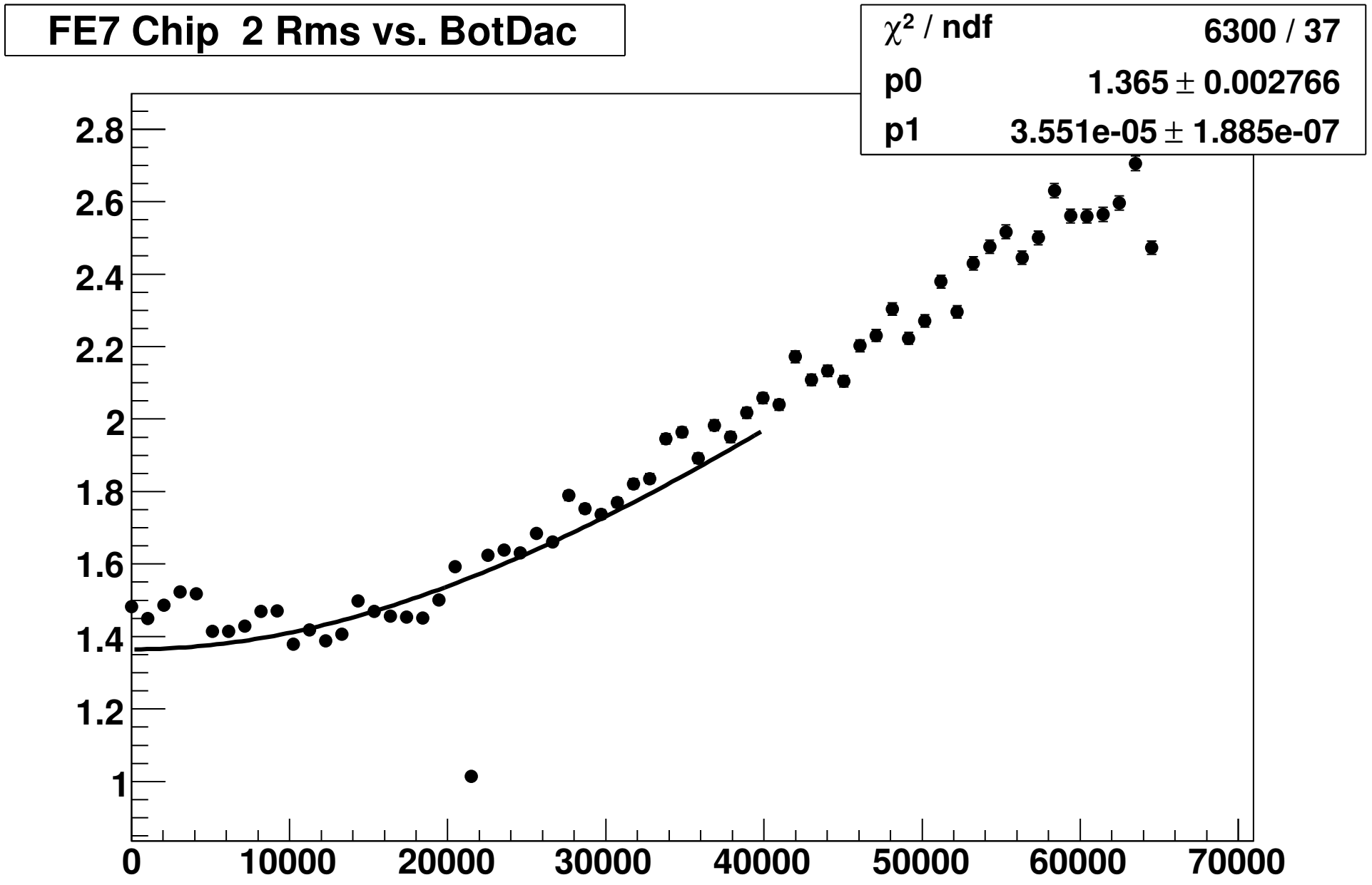
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 6300 / 37
p0 1.365 ± 0.002766
p1 3.551e-05 ± 1.885e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
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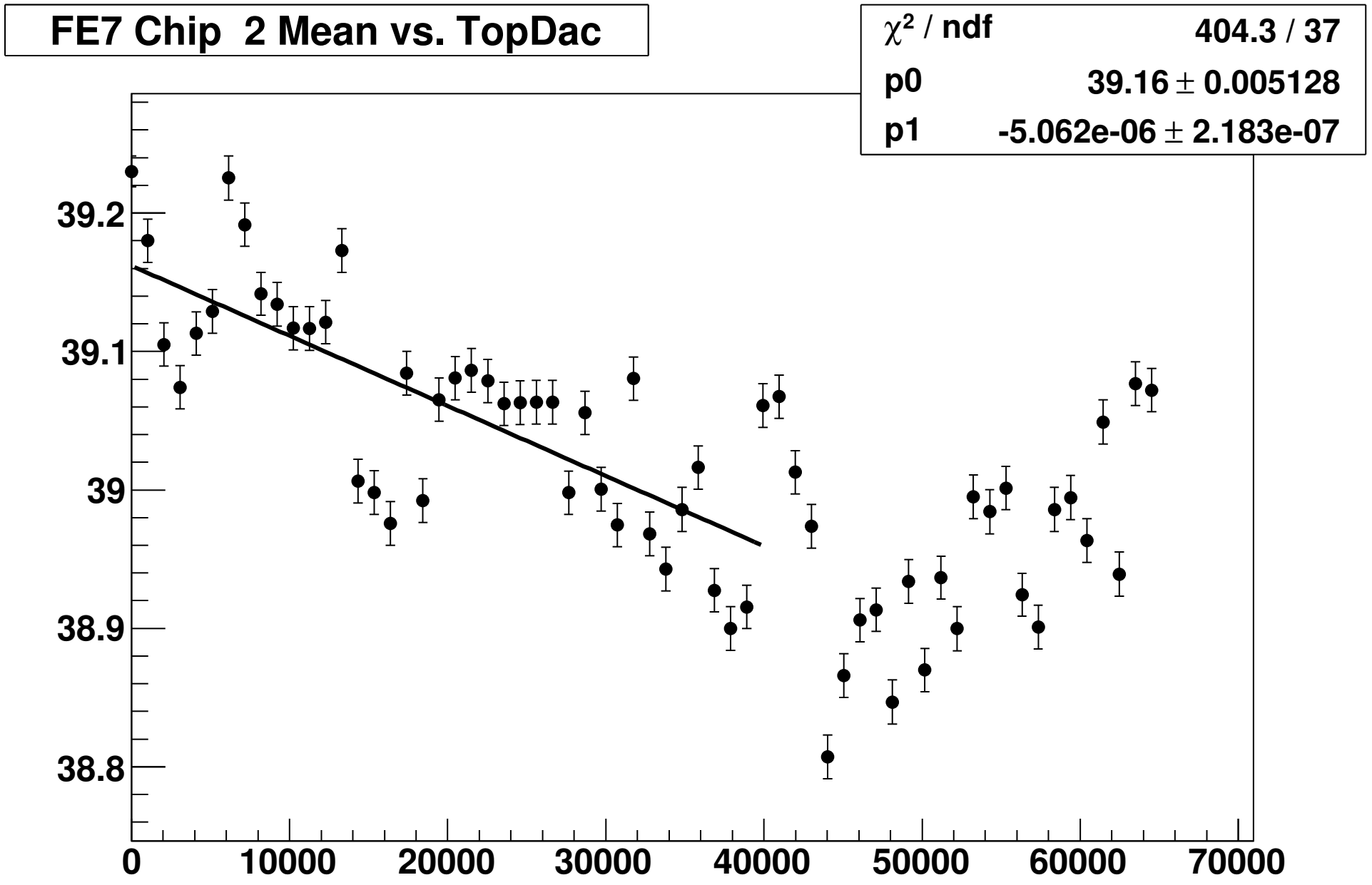
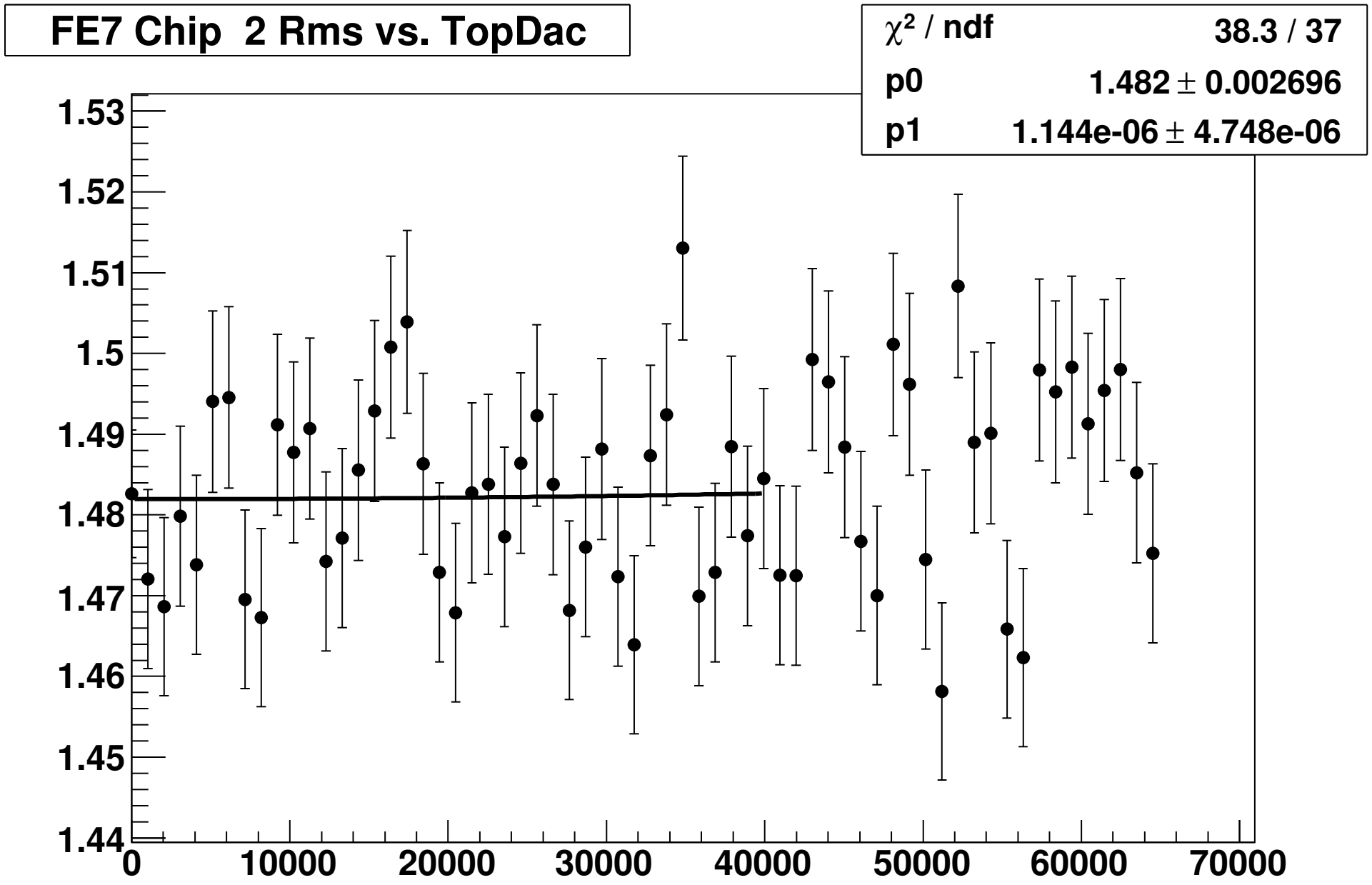
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 404.3 / 37
p0 39.16 ± 0.005128
p1 -5.062e-06 ± 2.183e-07
39.2
39.1
39
38.9
38.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 38.3 / 37
p0 1.482 ± 0.002696
p1 1.144e-06 ± 4.748e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
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50000
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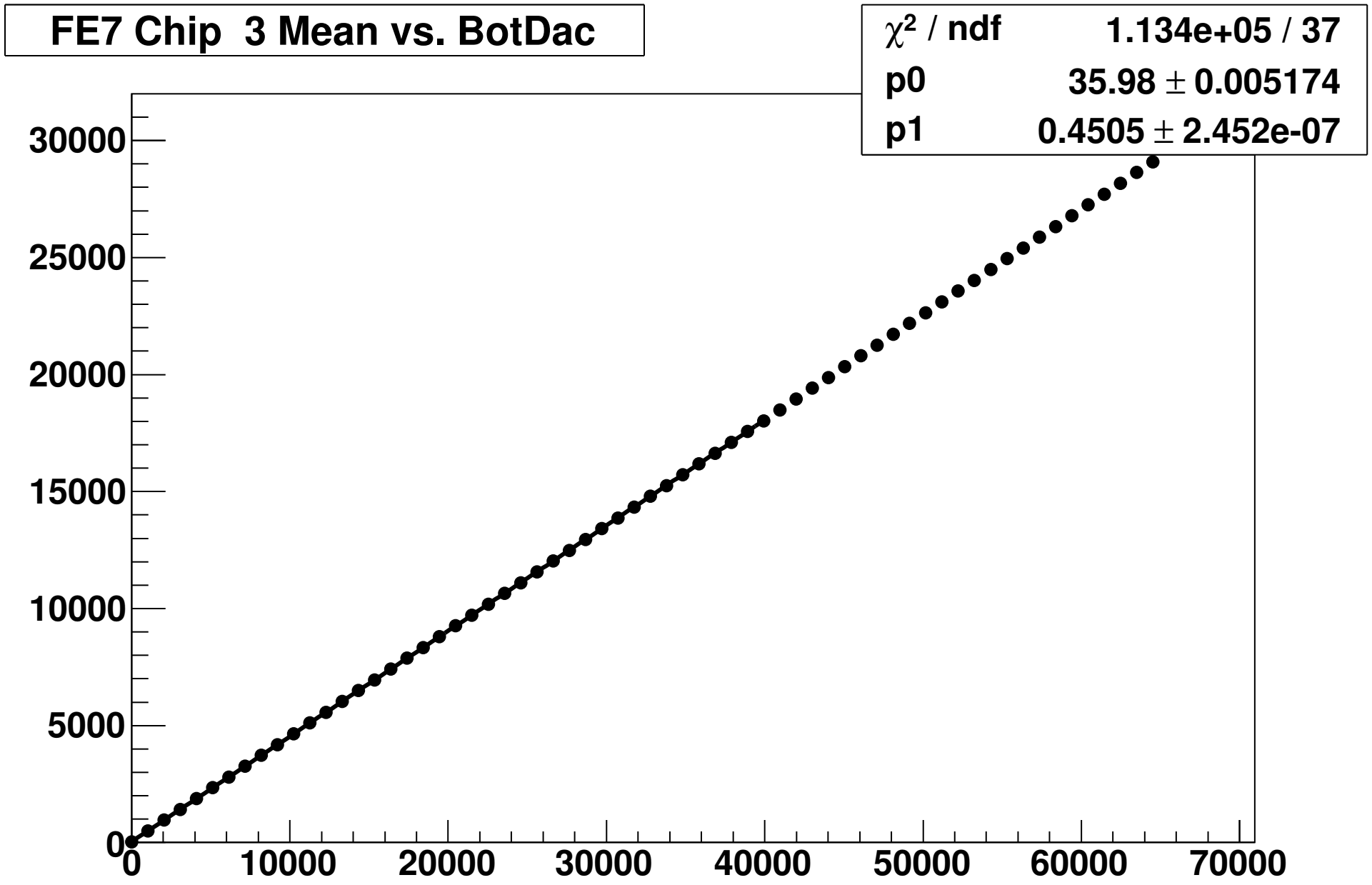
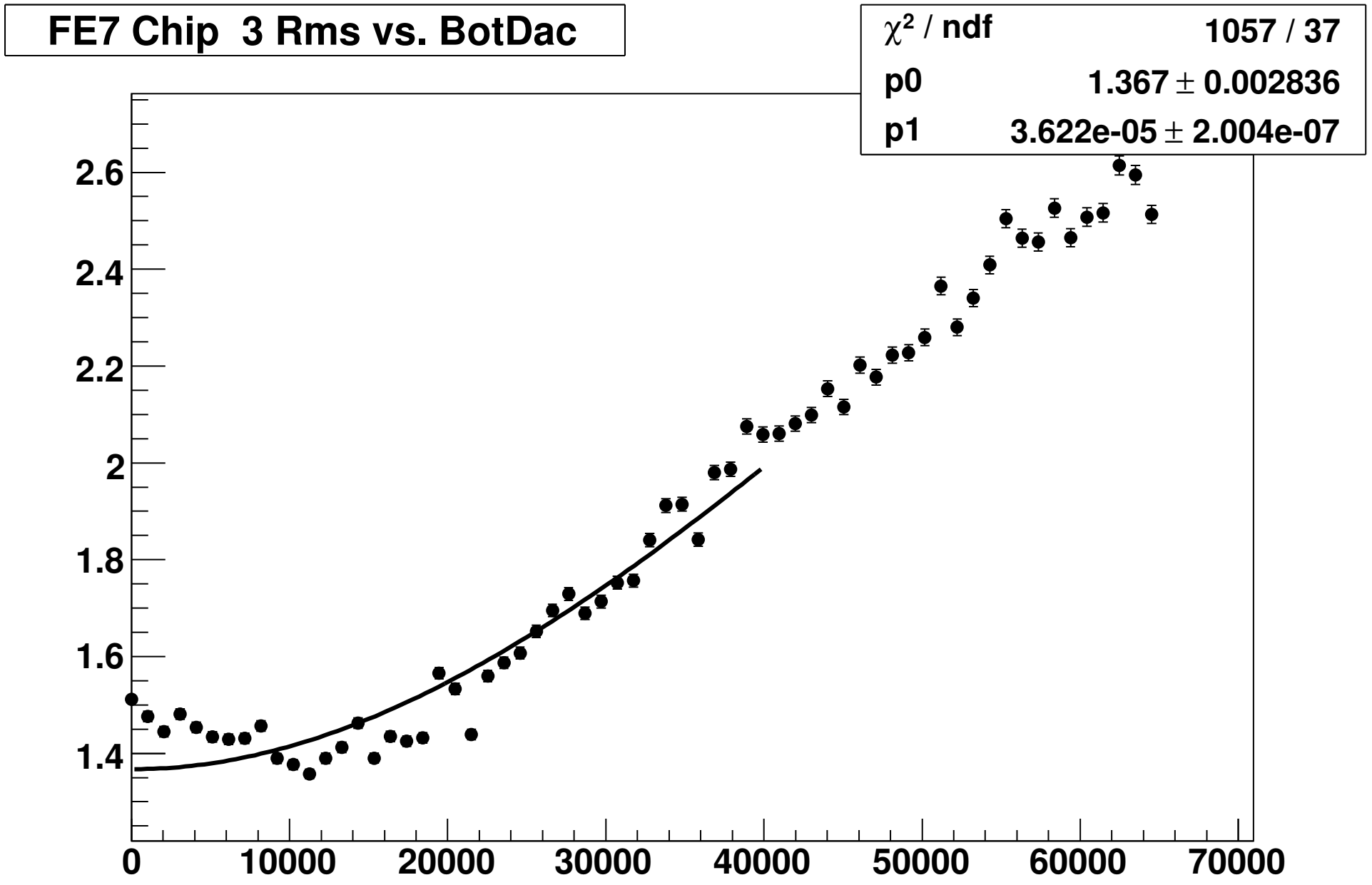
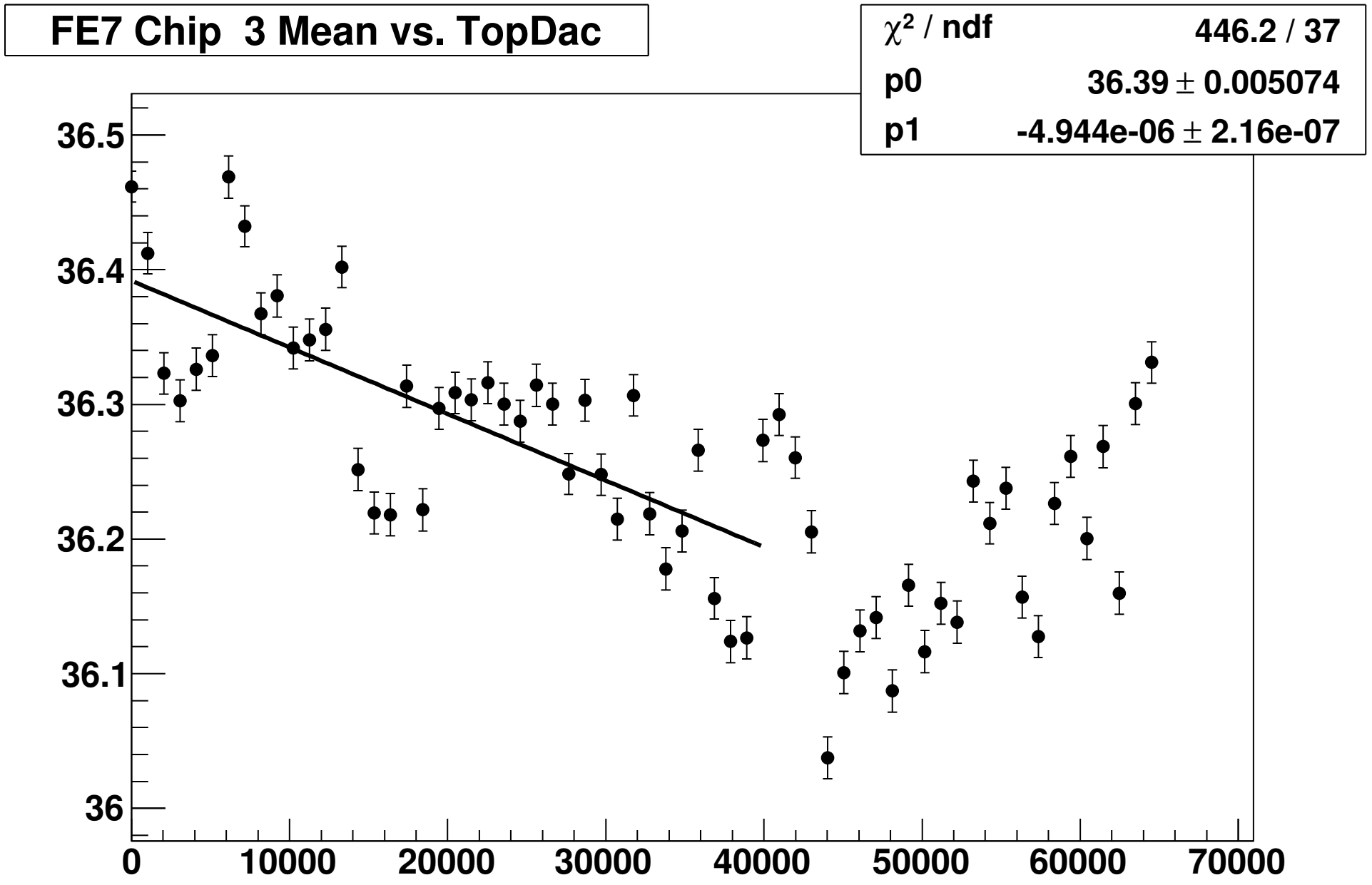

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.134e+05 / 37
p0 35.98 ± 0.005174
p1 0.4505 ± 2.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1057 / 37
p0 1.367 ± 0.002836
p1 3.622e-05 ± 2.004e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 446.2 / 37
p0 36.39 ± 0.005074
p1 -4.944e-06 ± 2.16e-07
36.5
36.4
36.3
36.2
36.1
36
0
10000
20000
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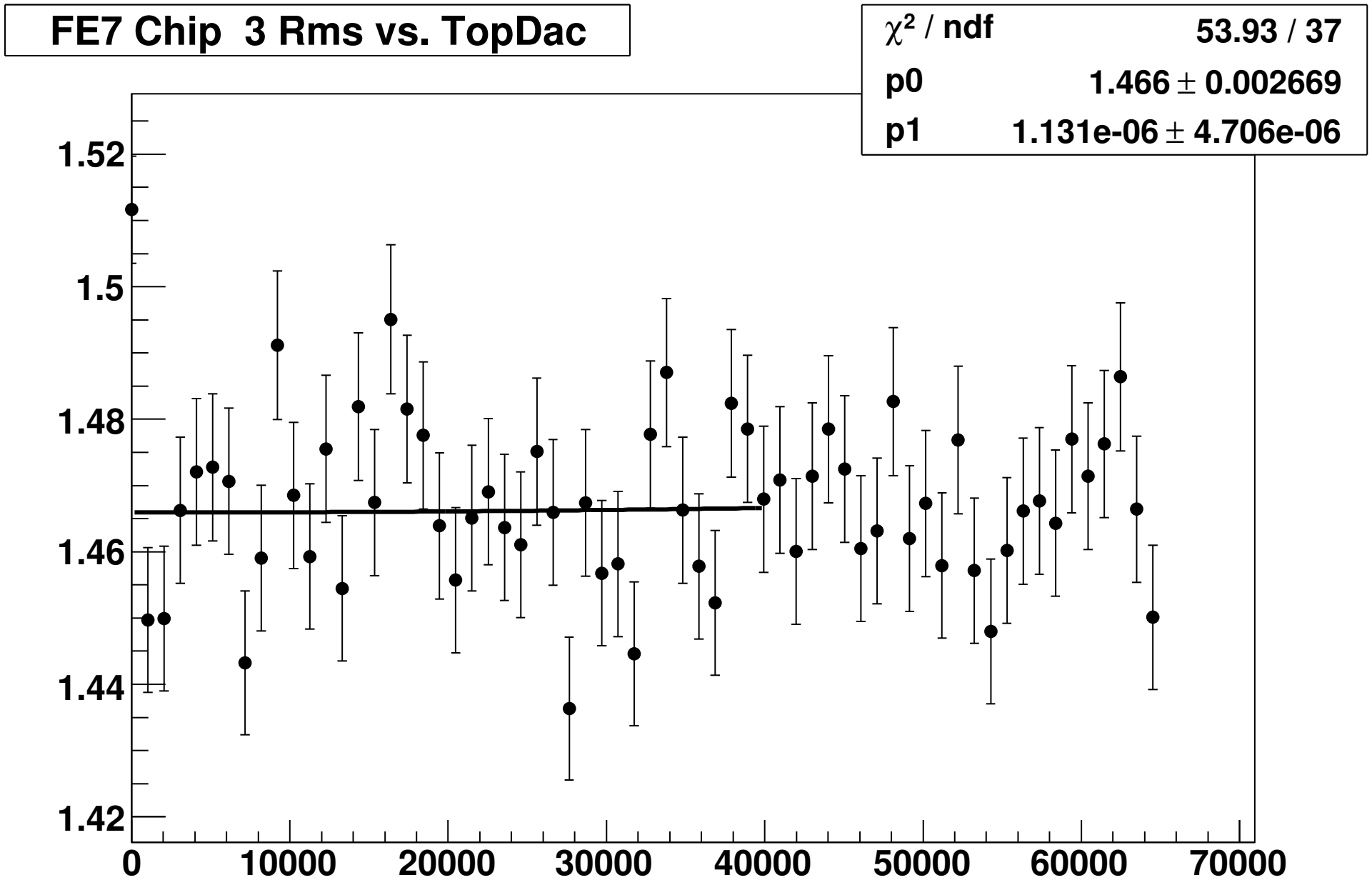
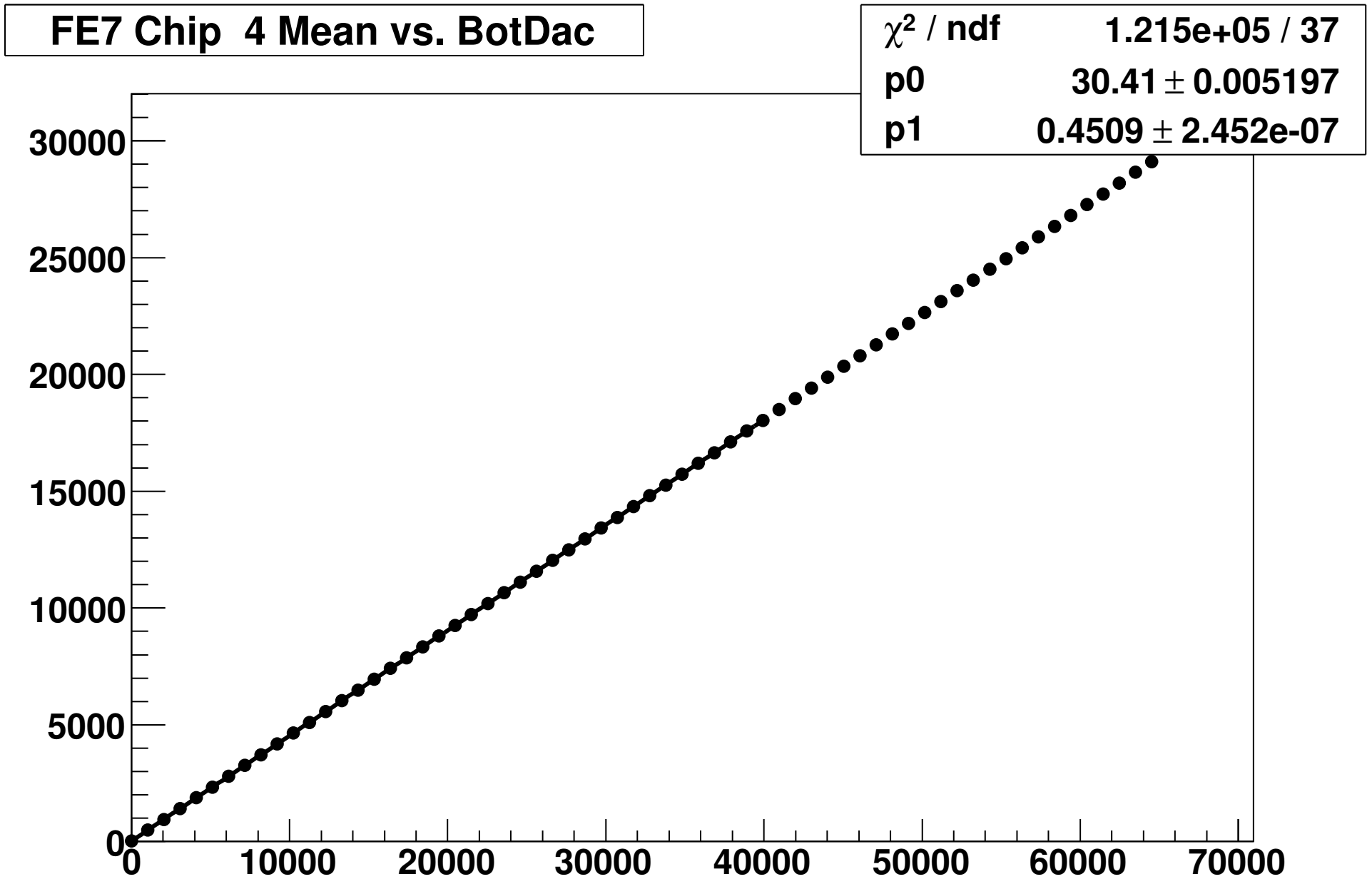
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 53.93 / 37
p0 1.466 ± 0.002669
p1 1.131e-06 ± 4.706e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.215e+05 / 37
p0 30.41 ± 0.005197
p1 0.4509 ± 2.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
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50000
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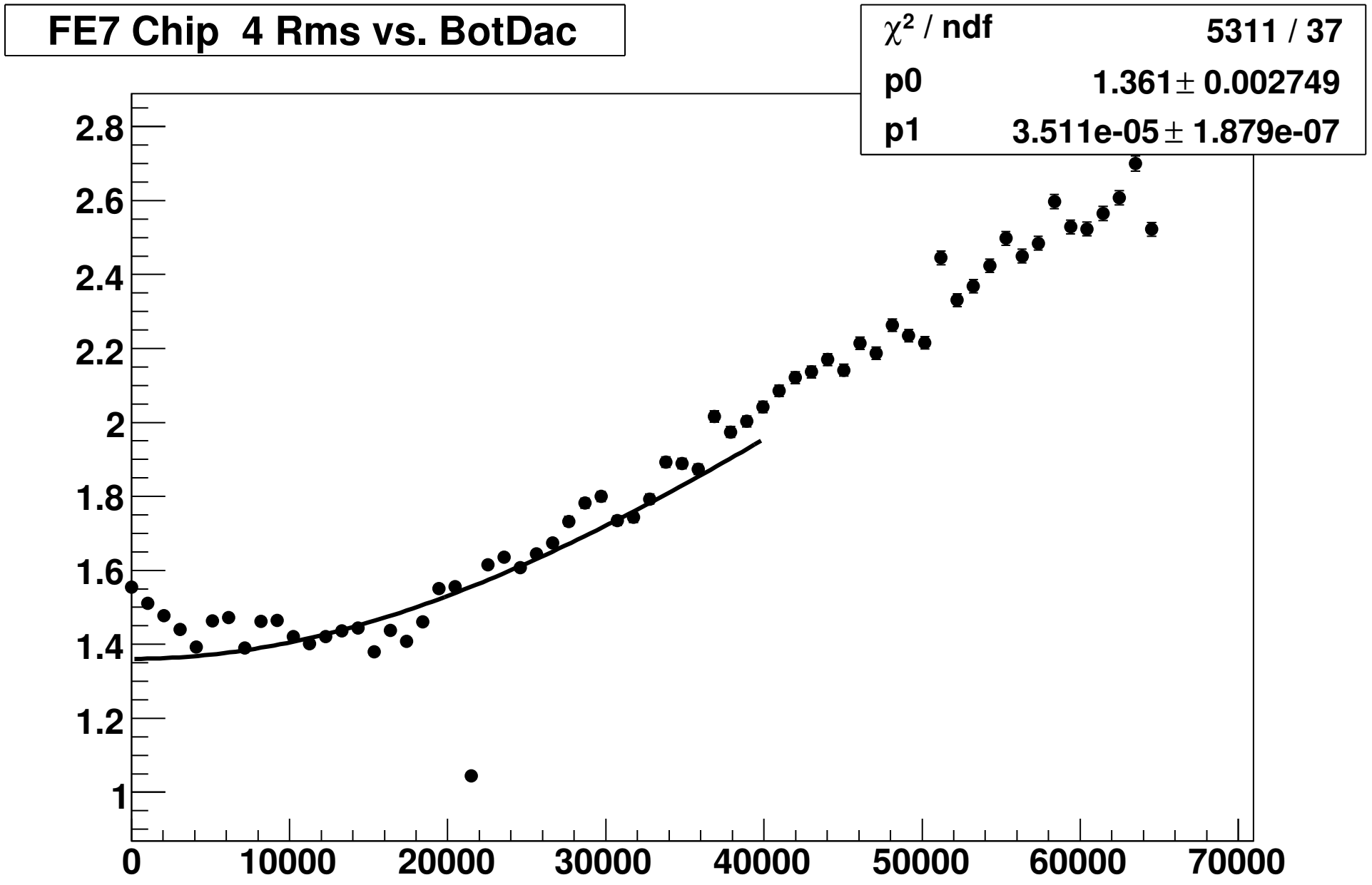
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 5311 / 37
p0 1.361 ± 0.002749
p1 3.511e-05 ± 1.879e-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
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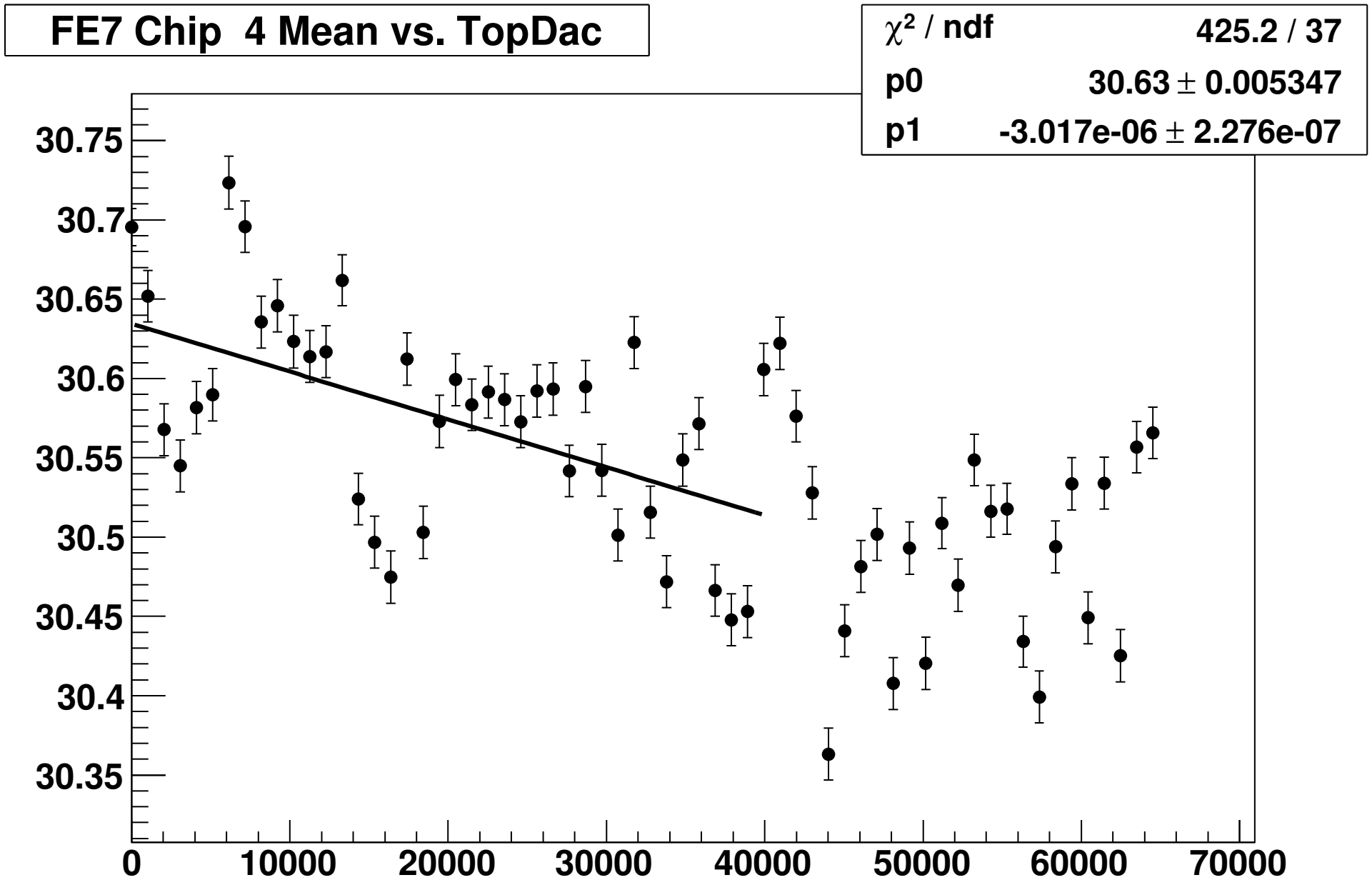
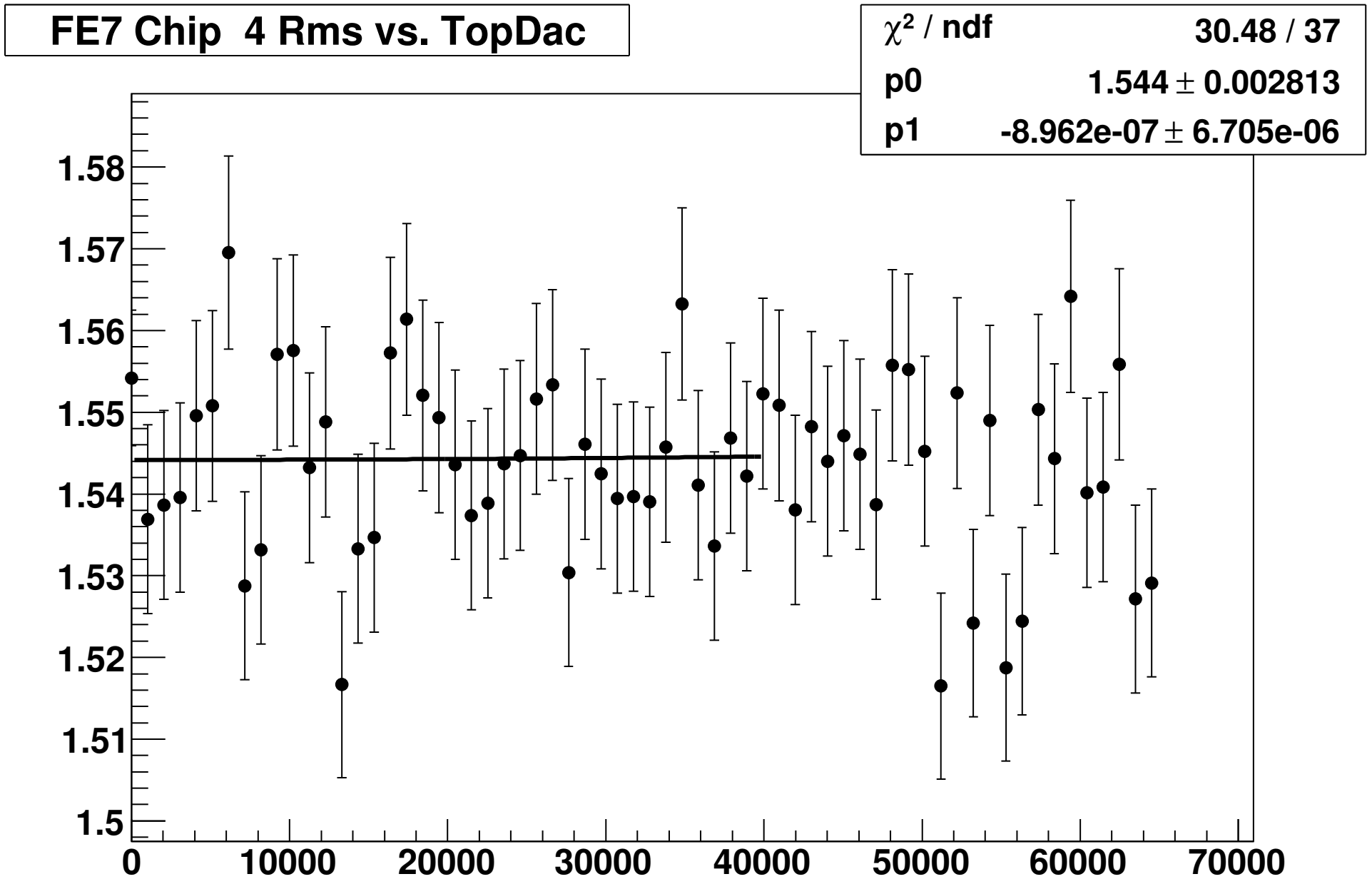
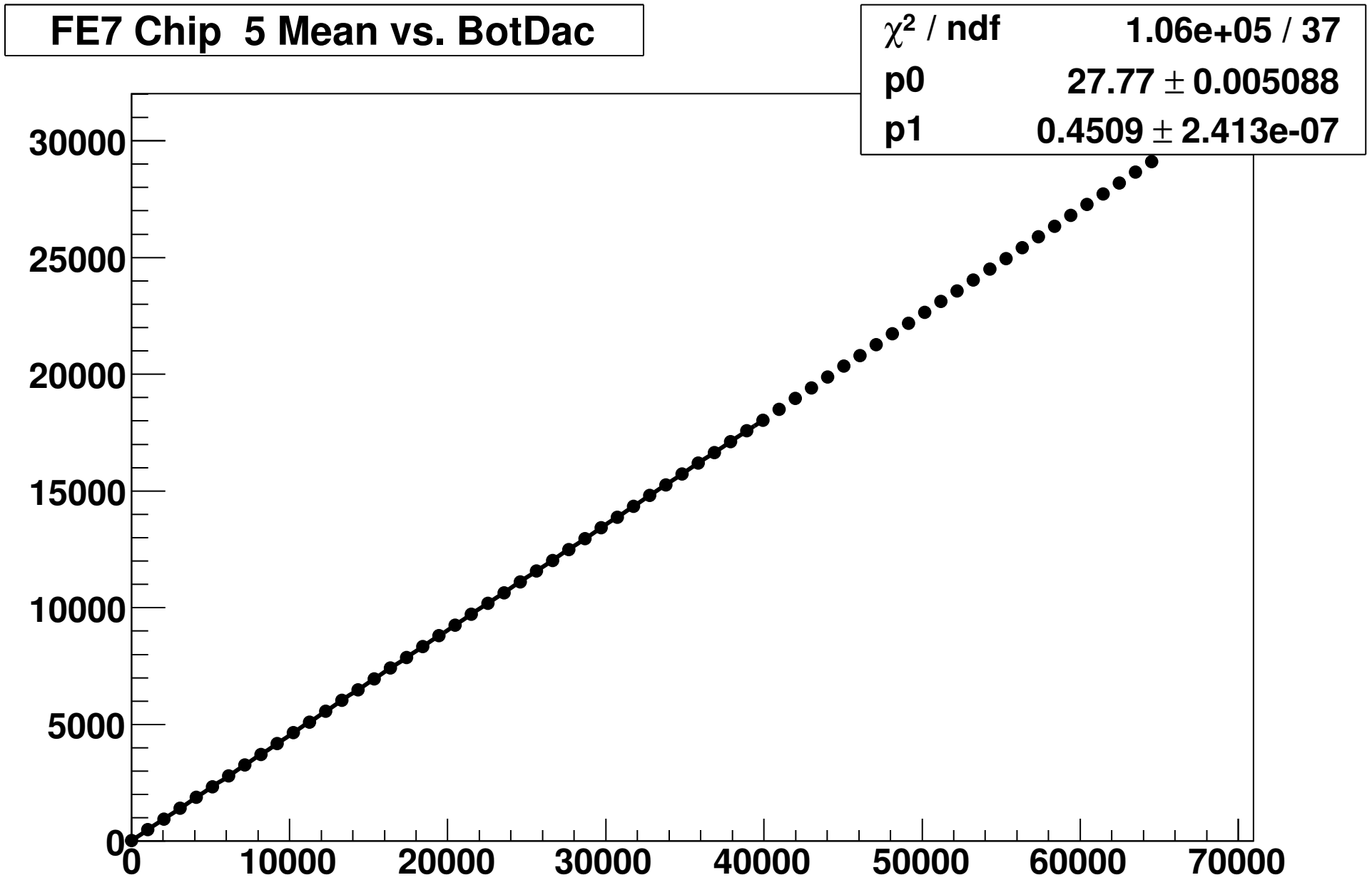
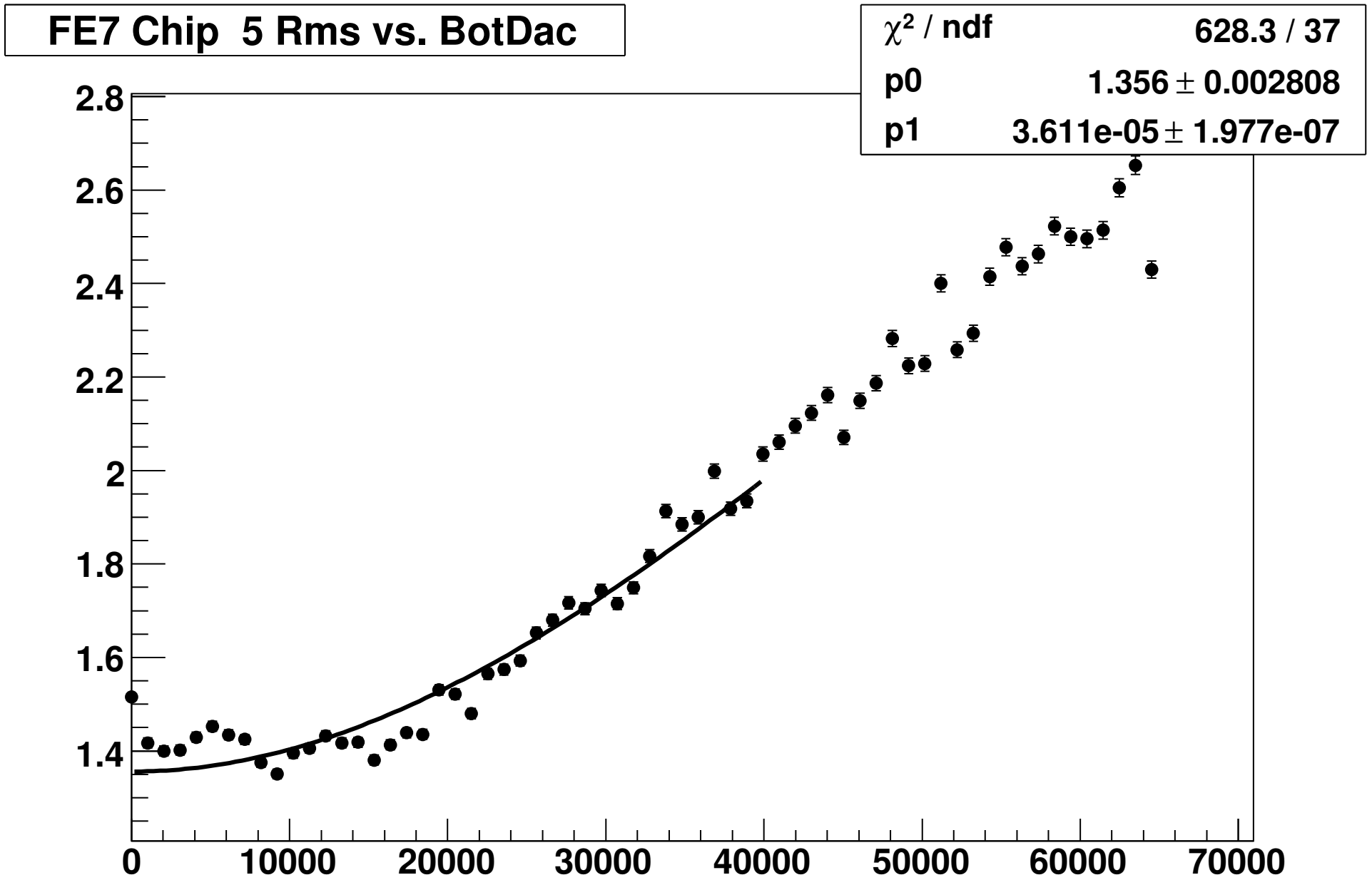
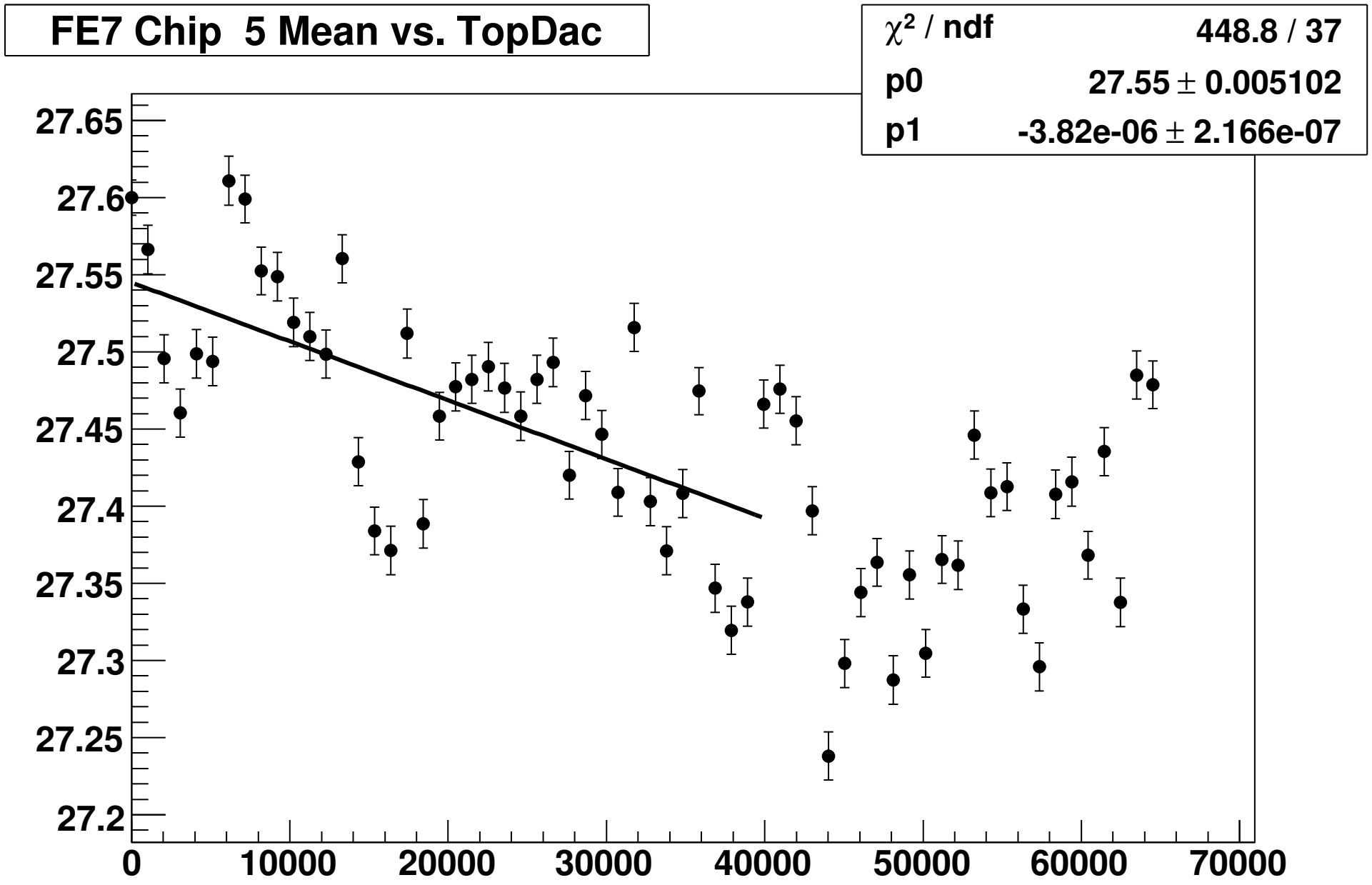
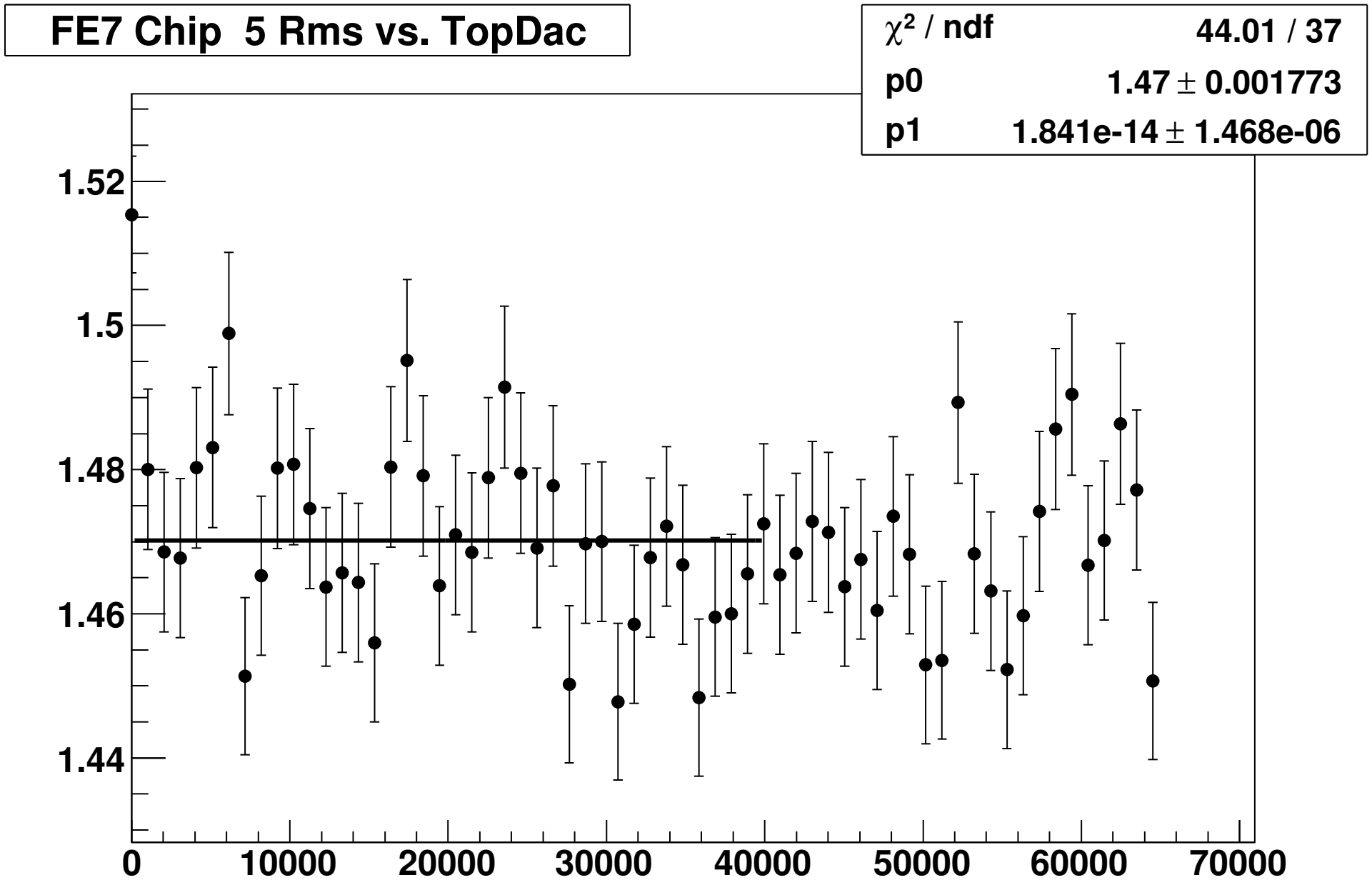

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 425.2 / 37
p0 30.63 ± 0.005347
p1 -3.017e-06 ± 2.276e-07
30.75
30.7
30.65
30.6
30.55
30.5
30.45
30.4
30.35
0
10000
20000
30000
40000
50000
60000
70000

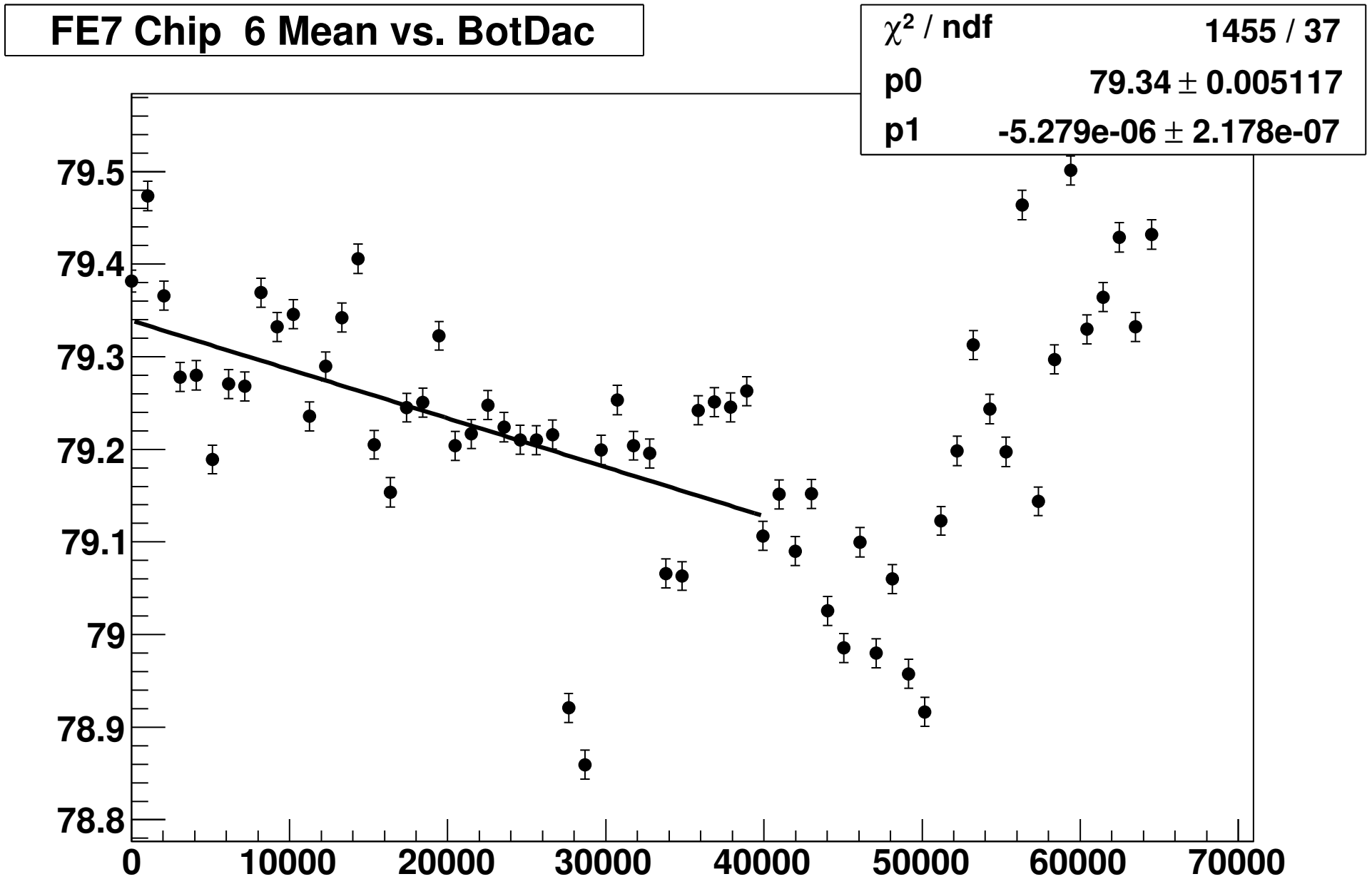

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 30.48 / 37
p0 1.544 ± 0.002813
p1 -8.962e-07 ± 6.705e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

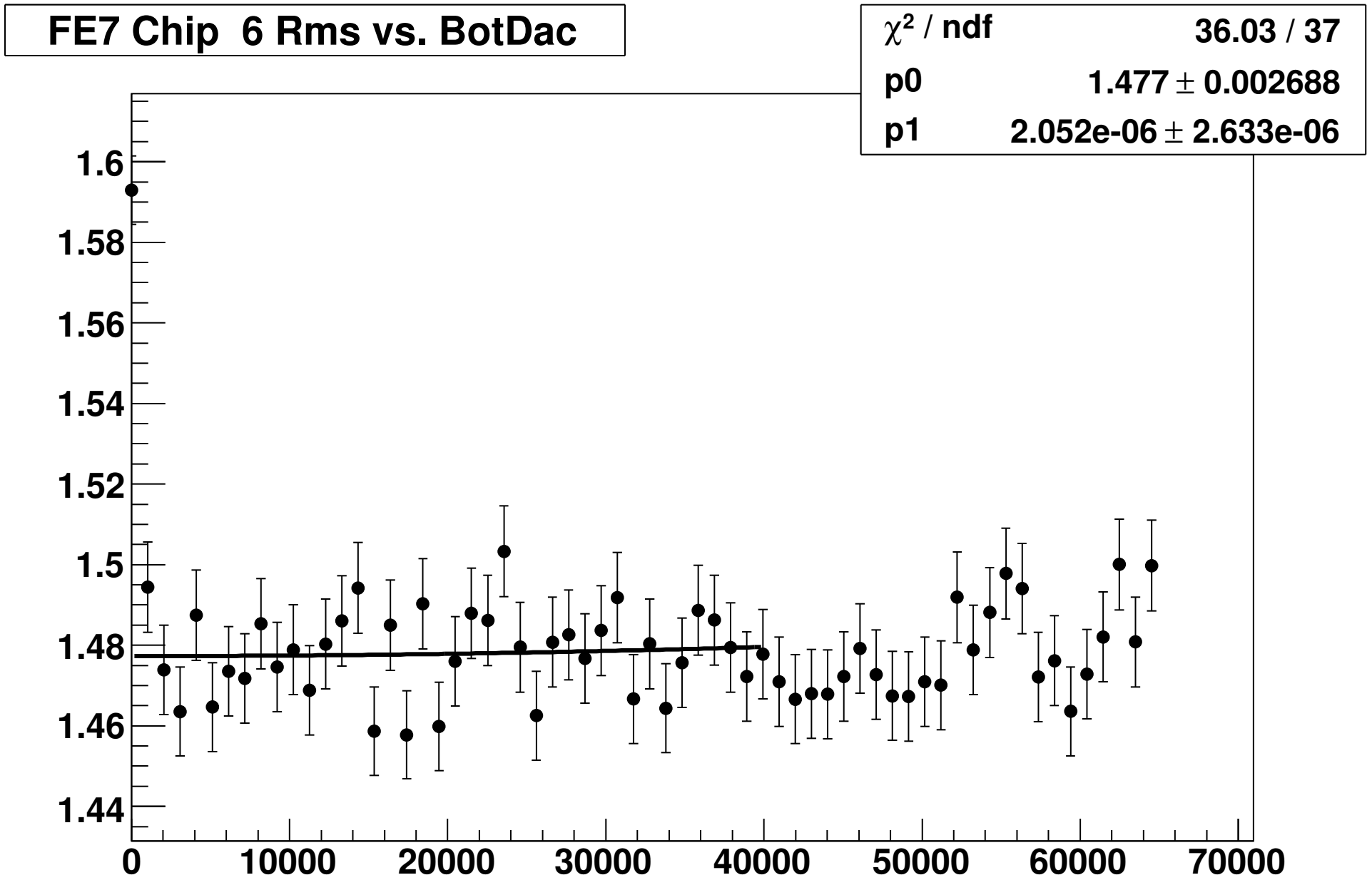

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.06e+05 / 37
p0 27.77 ± 0.005088
p1 0.4509 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

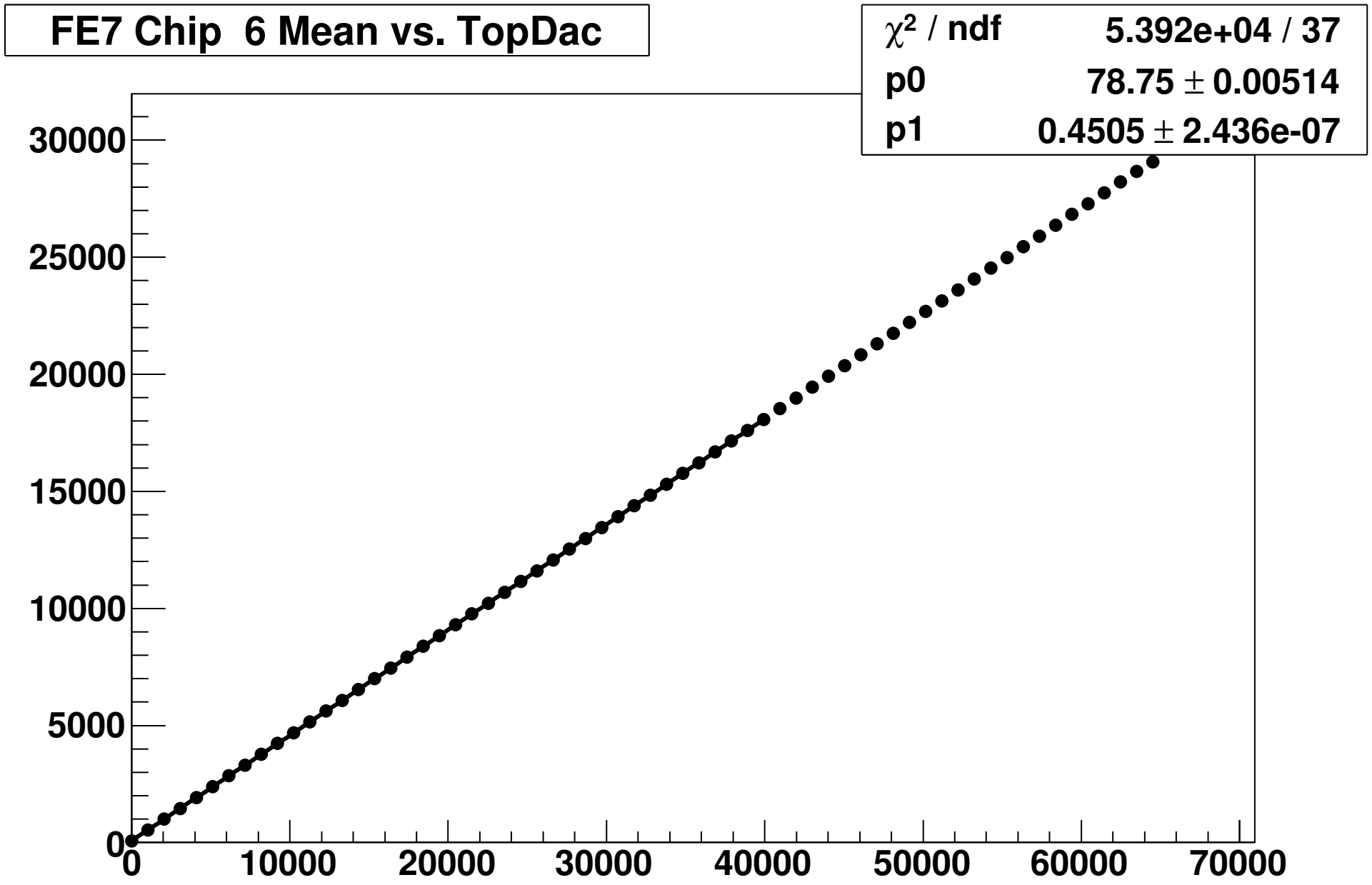

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 628.3 / 37
p0 1.356 ± 0.002808
p1 3.611e-05 ± 1.977e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

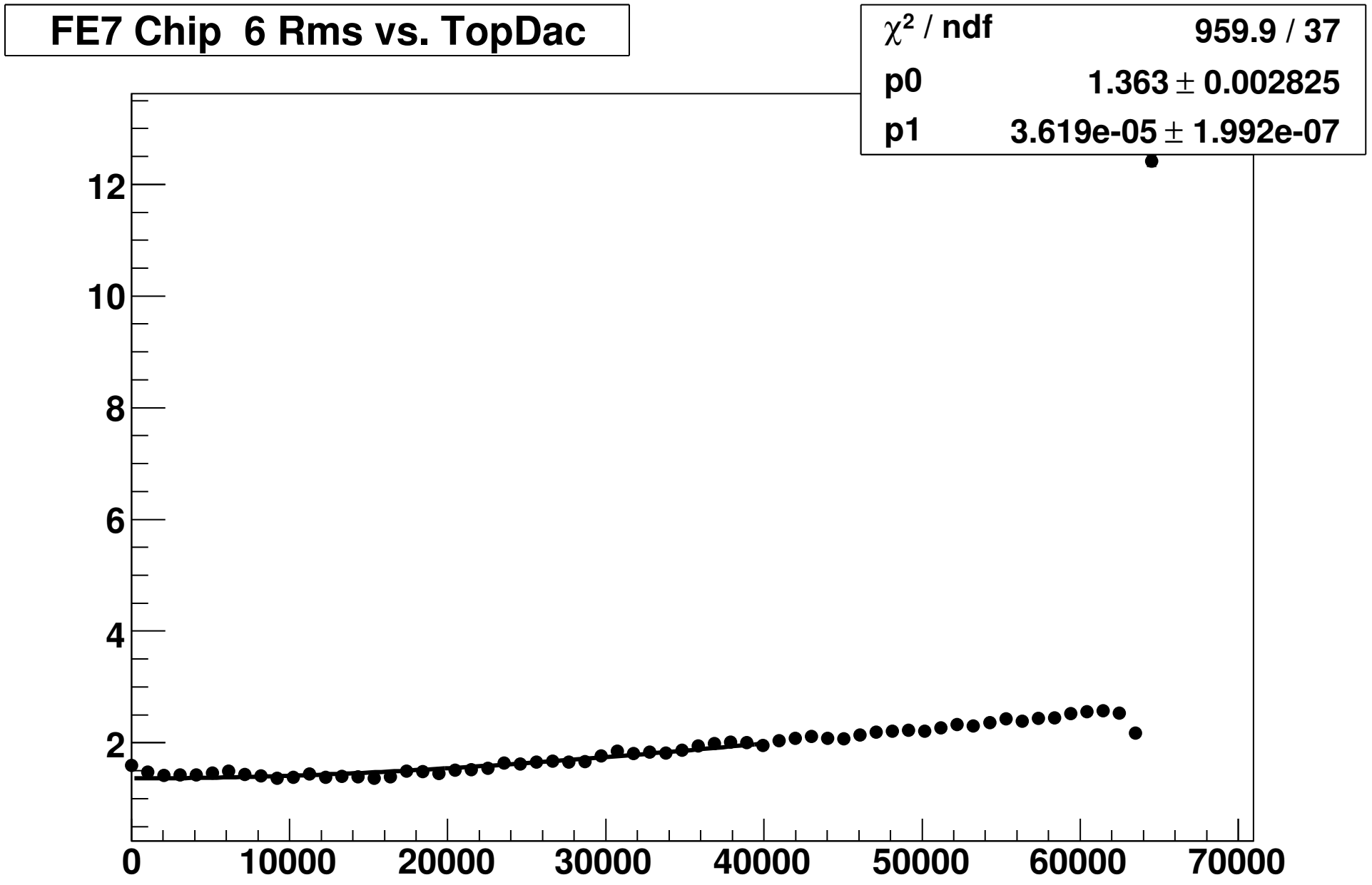

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 448.8 / 37
p0 27.55 ± 0.005102
p1 -3.82e-06 ± 2.166e-07
27.65
27.6
27.55
27.5
27.45
27.4
27.35
27.3
27.25
27.2
0
10000
20000
30000
40000
50000
60000
70000

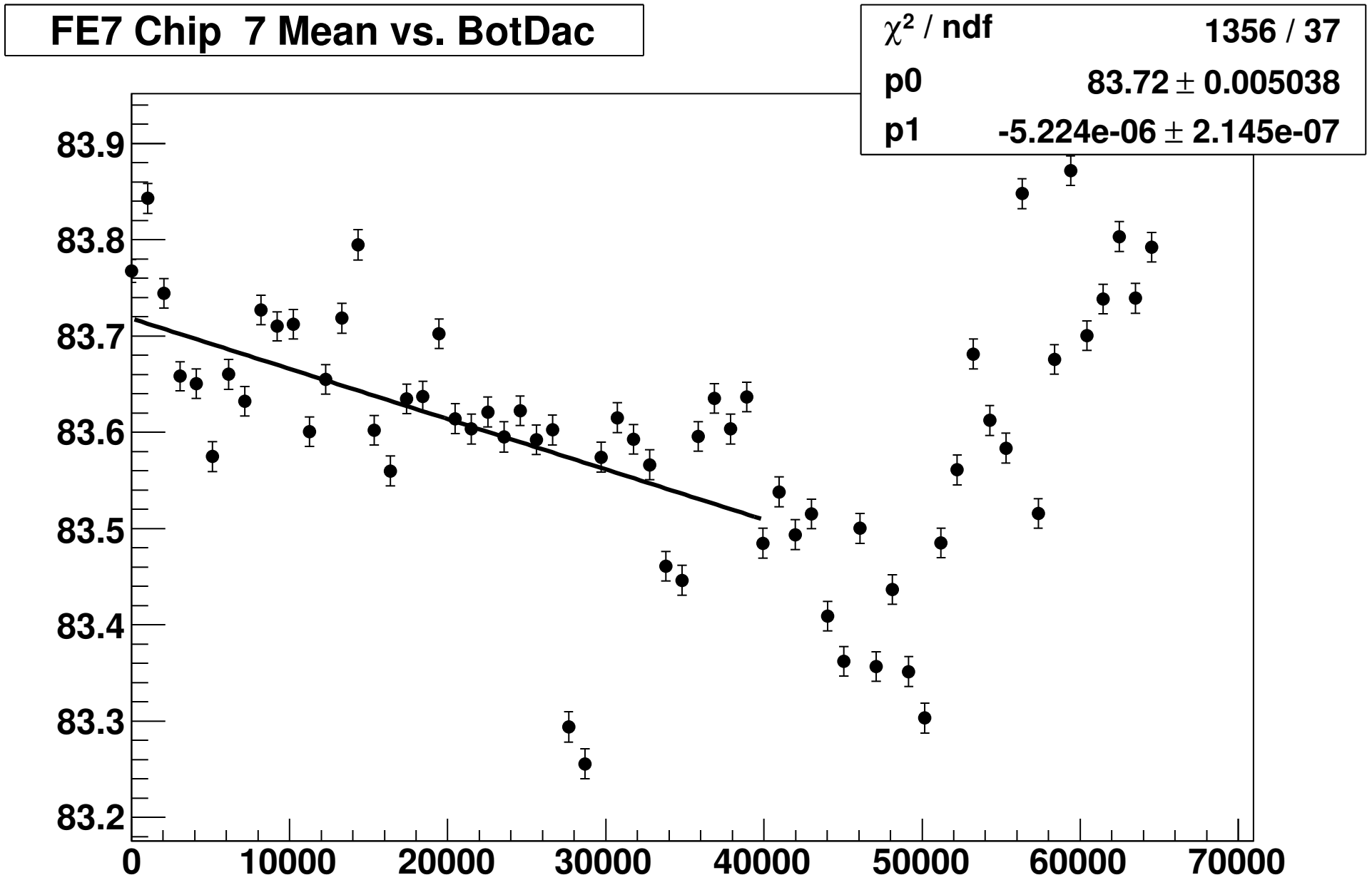

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 44.01 / 37
p0 1.47 ± 0.001773
p1 1.841e-14 ± 1.468e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

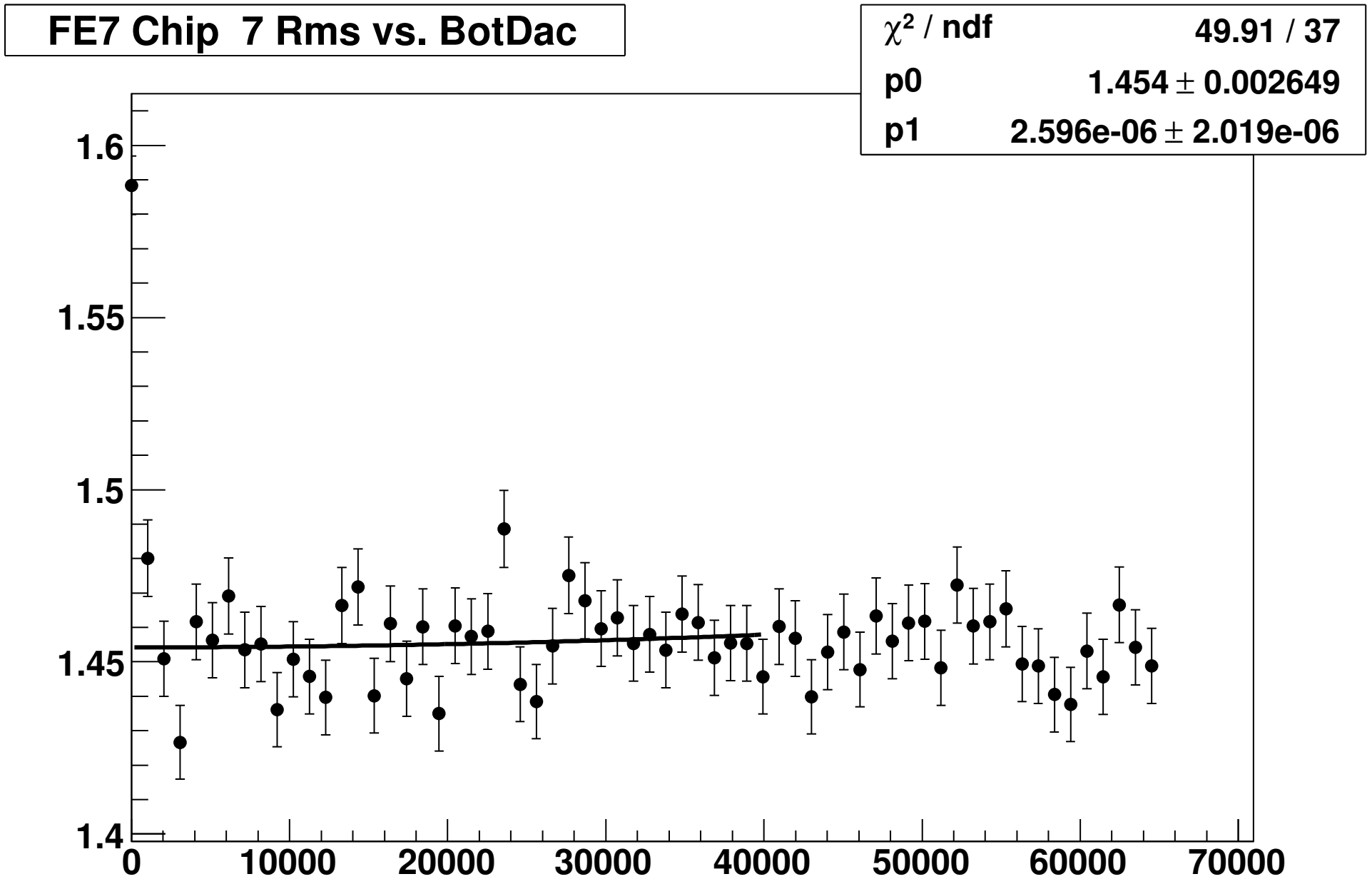

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 1455 / 37
p0 79.34 ± 0.005117
p1 -5.279e-06 ± 2.178e-07
79.5
79.4
79.3
79.2
79.1
79
78.9
78.8
0
10000
20000
30000
40000
50000
60000
70000

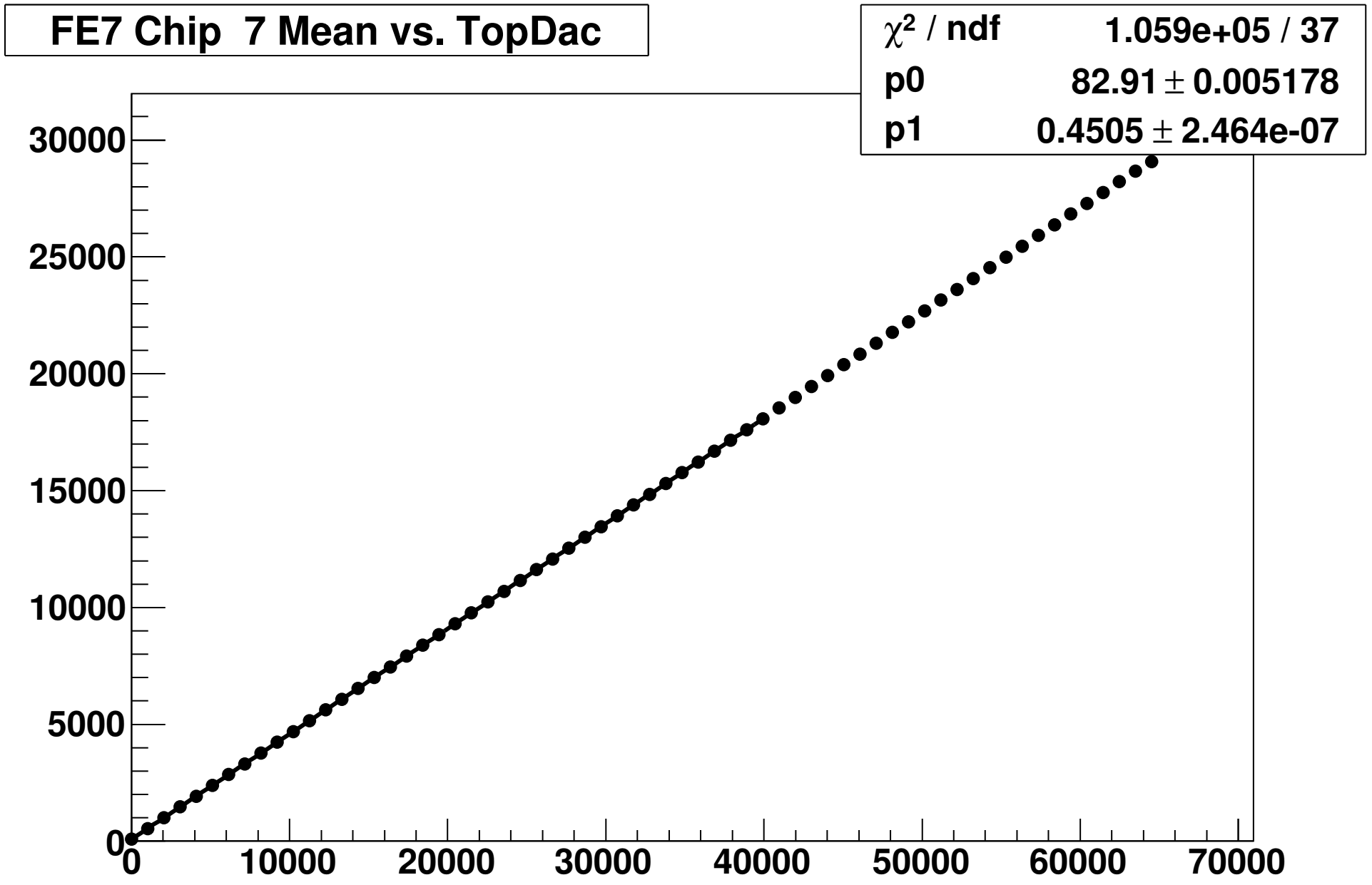

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 36.03 / 37
p0 1.477 ± 0.002688
p1 2.052e-06 ± 2.633e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

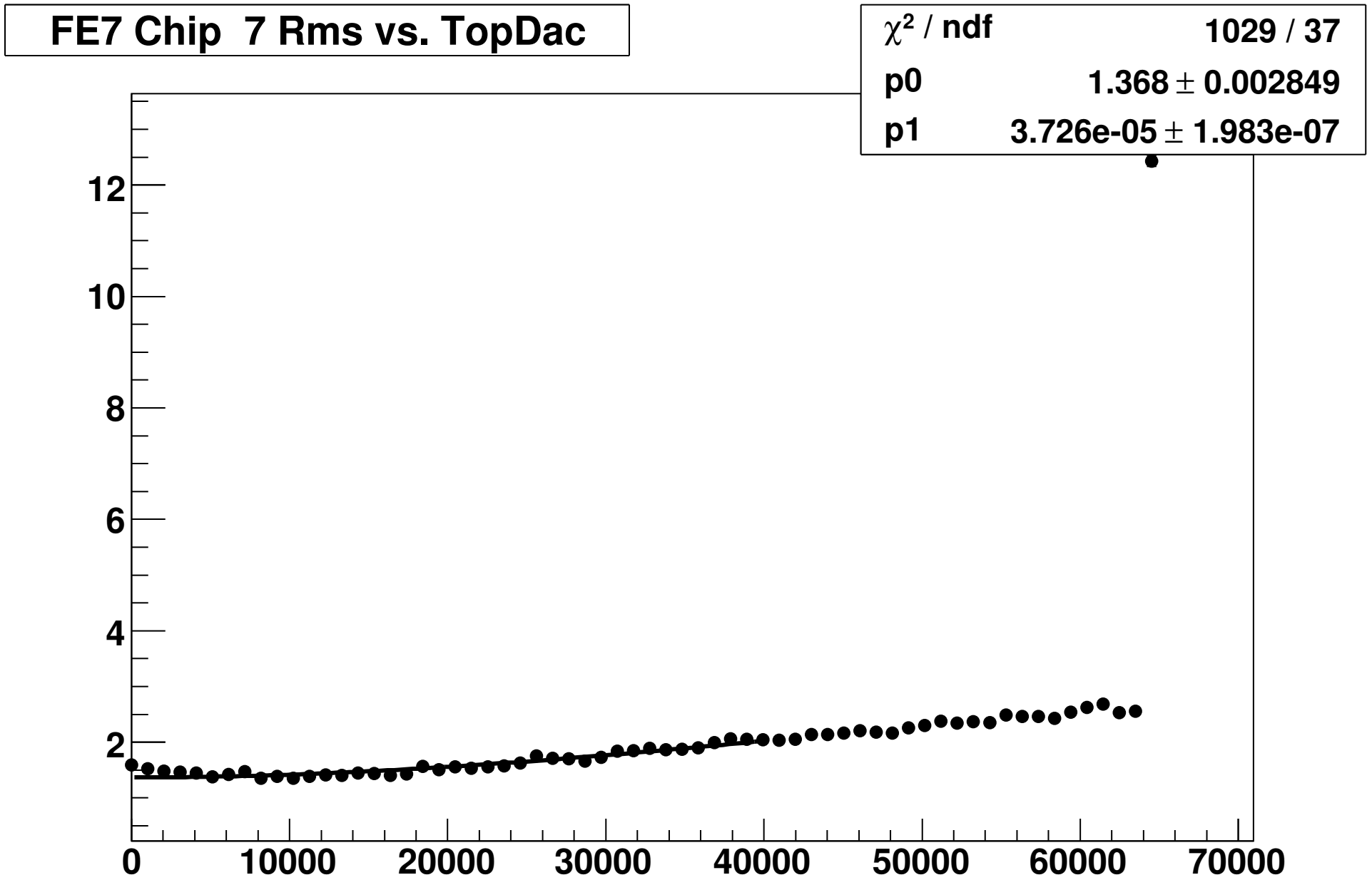

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 5.392e+04 / 37
p0 78.75 ± 0.00514
p1 0.4505 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

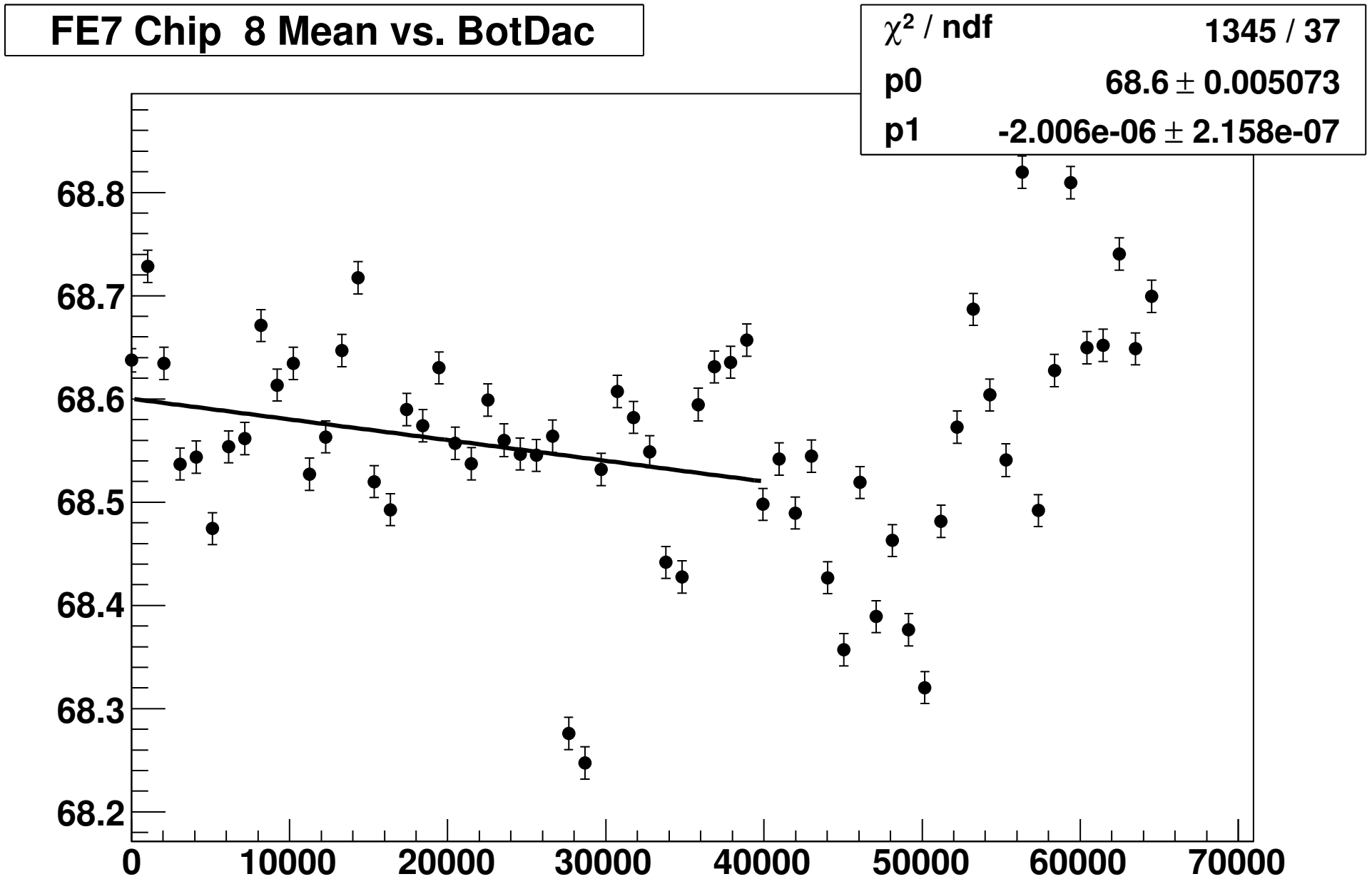

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 959.9 / 37
p0 1.363 ± 0.002825
p1 3.619e-05 ± 1.992e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

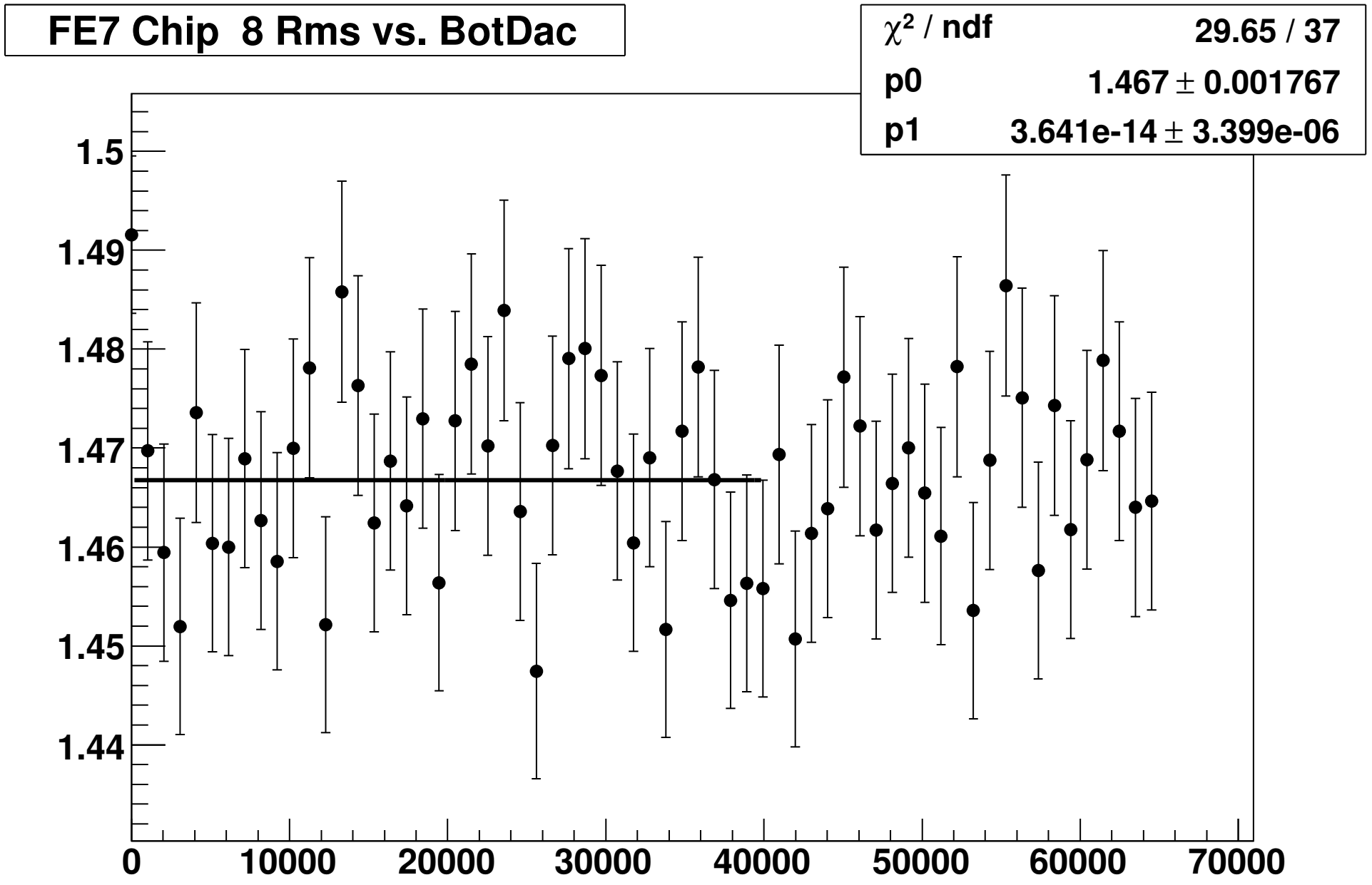

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 1356 / 37
p0 83.72 ± 0.005038
p1 -5.224e-06 ± 2.145e-07
83.9
83.8
83.7
83.6
83.5
83.4
83.3
83.2
0
10000
20000
30000
40000
50000
60000
70000

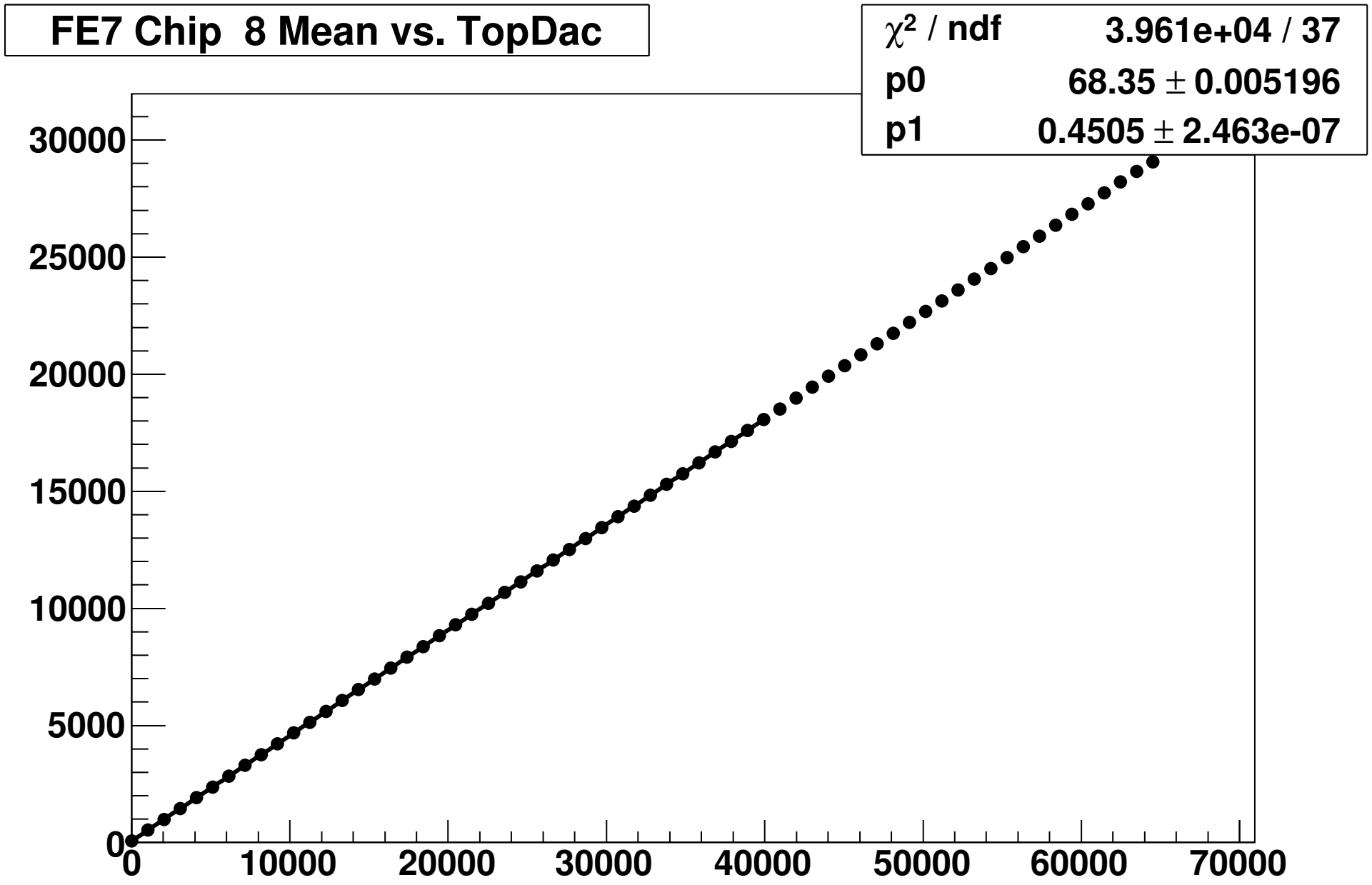

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 49.91 / 37
p0 1.454 ± 0.002649
p1 2.596e-06 ± 2.019e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

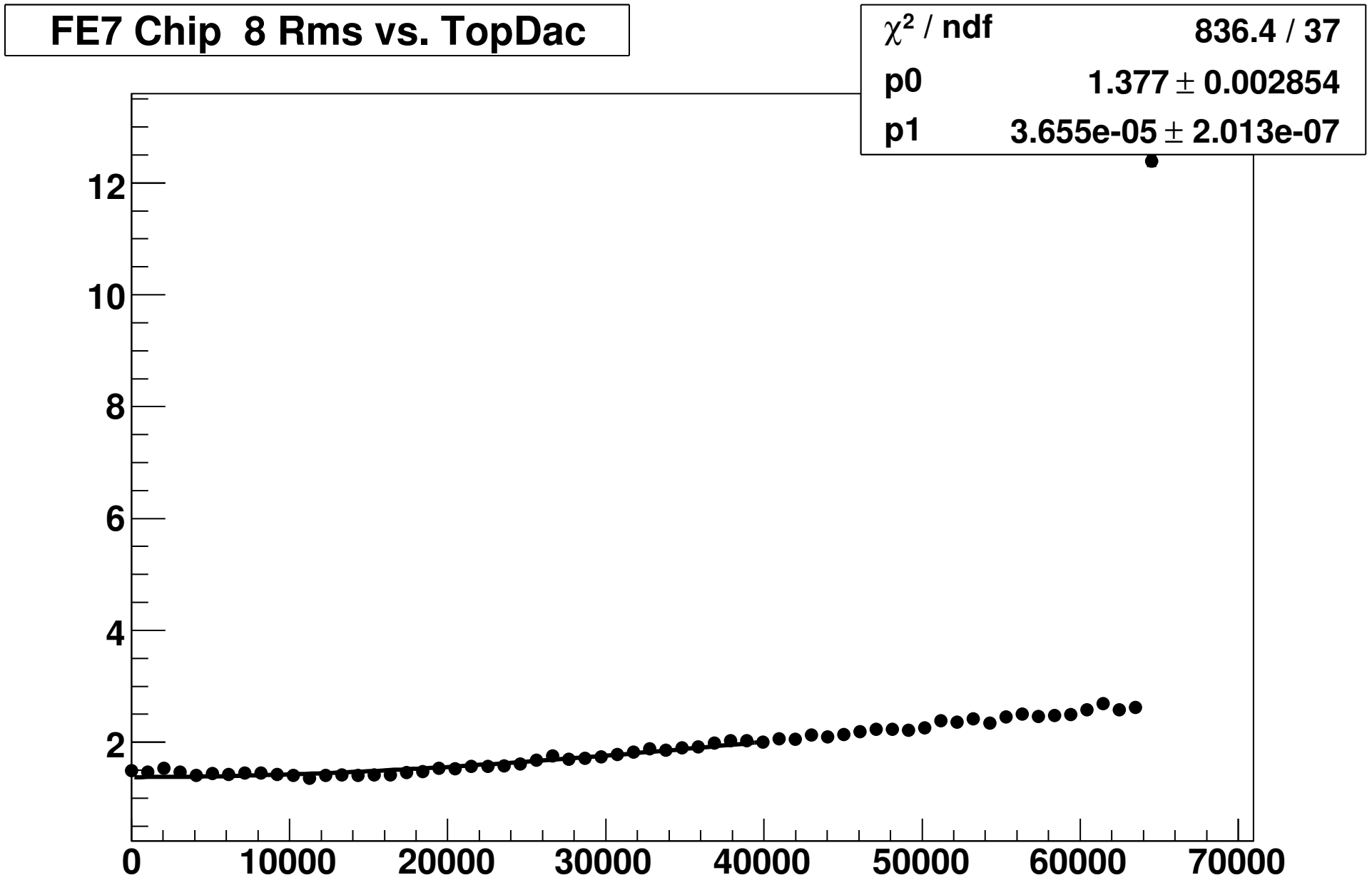

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.059e+05 / 37
p0 82.91 ± 0.005178
p1 0.4505 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

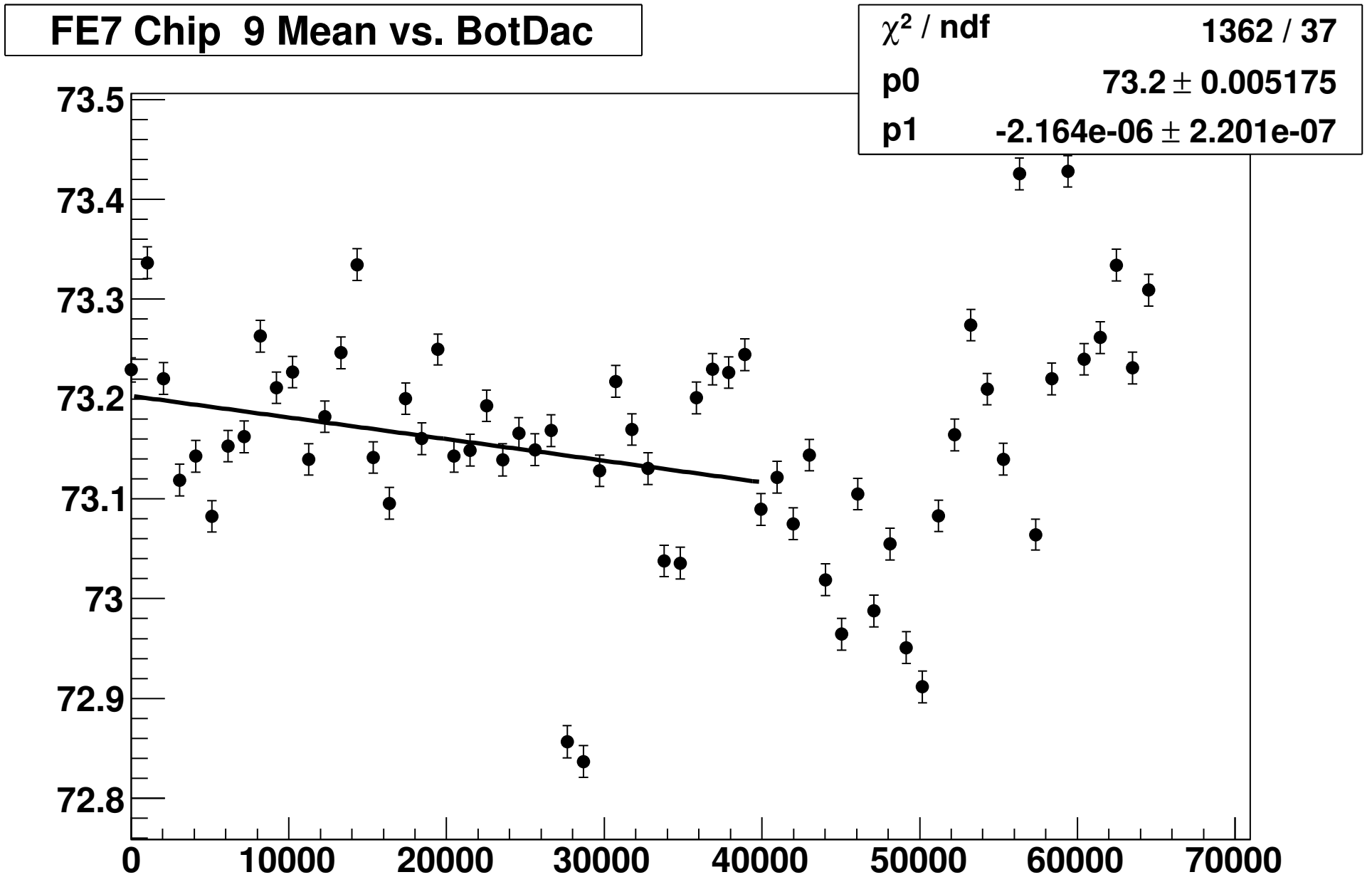

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1029 / 37
p0 1.368 ± 0.002849
p1 3.726e-05 ± 1.983e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

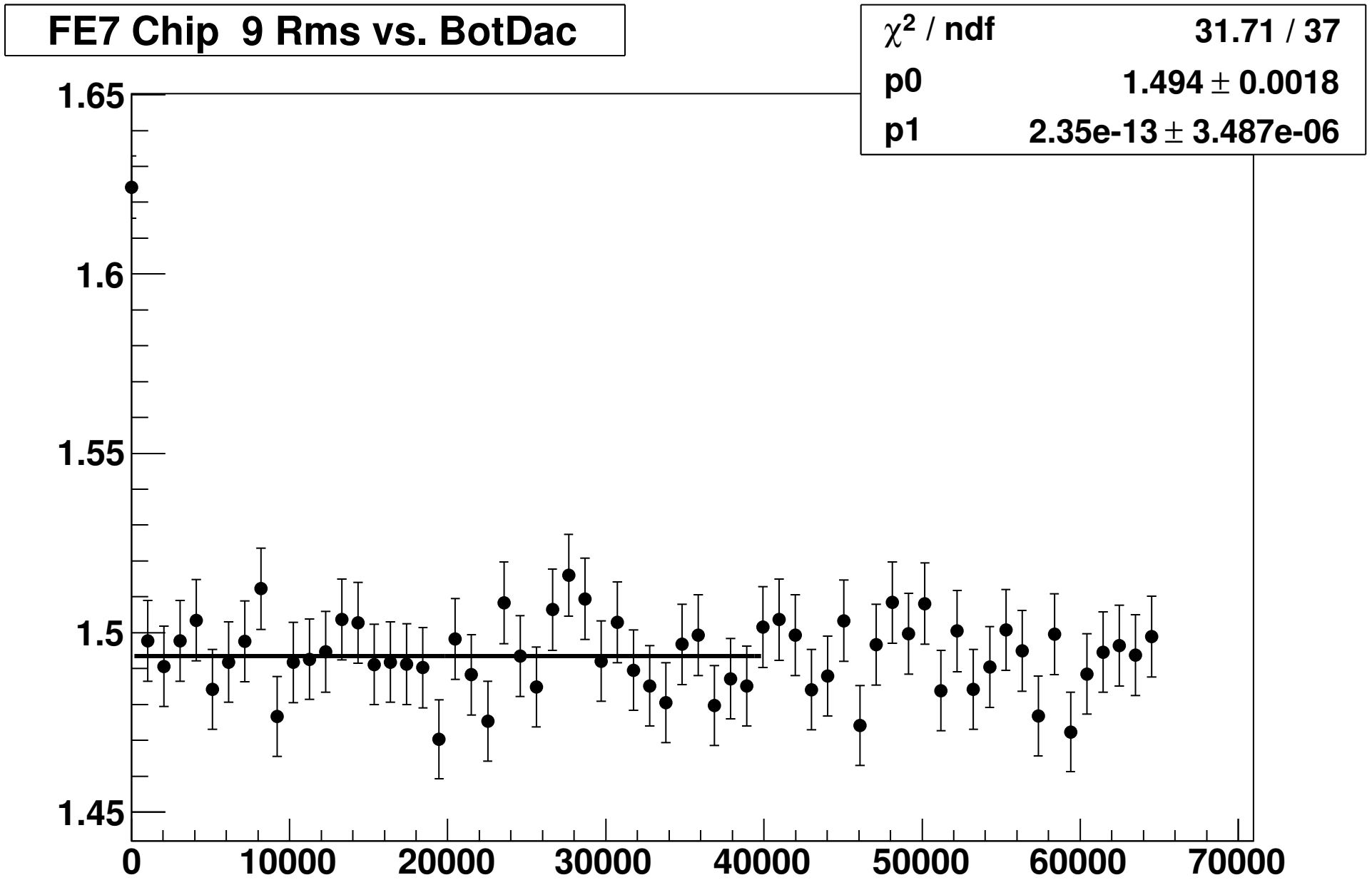

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 1345 / 37
p0 68.6 ± 0.005073
p1 -2.006e-06 ± 2.158e-07
68.8
68.7
68.6
68.5
68.4
68.3
68.2
0
10000
20000
30000
40000
50000
60000
70000

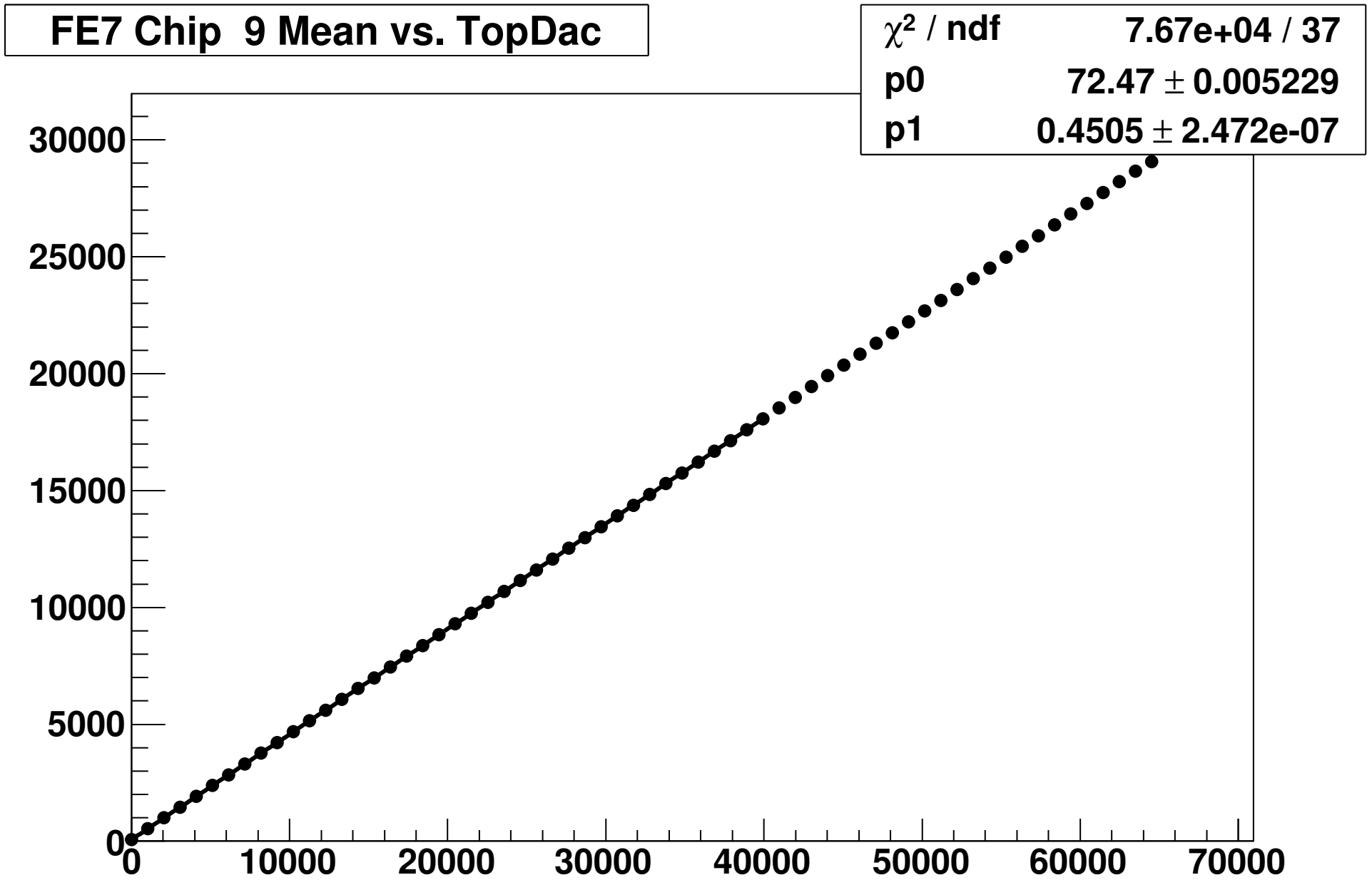

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 29.65 / 37
p0 1.467 ± 0.001767
p1 3.641e-14 ± 3.399e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

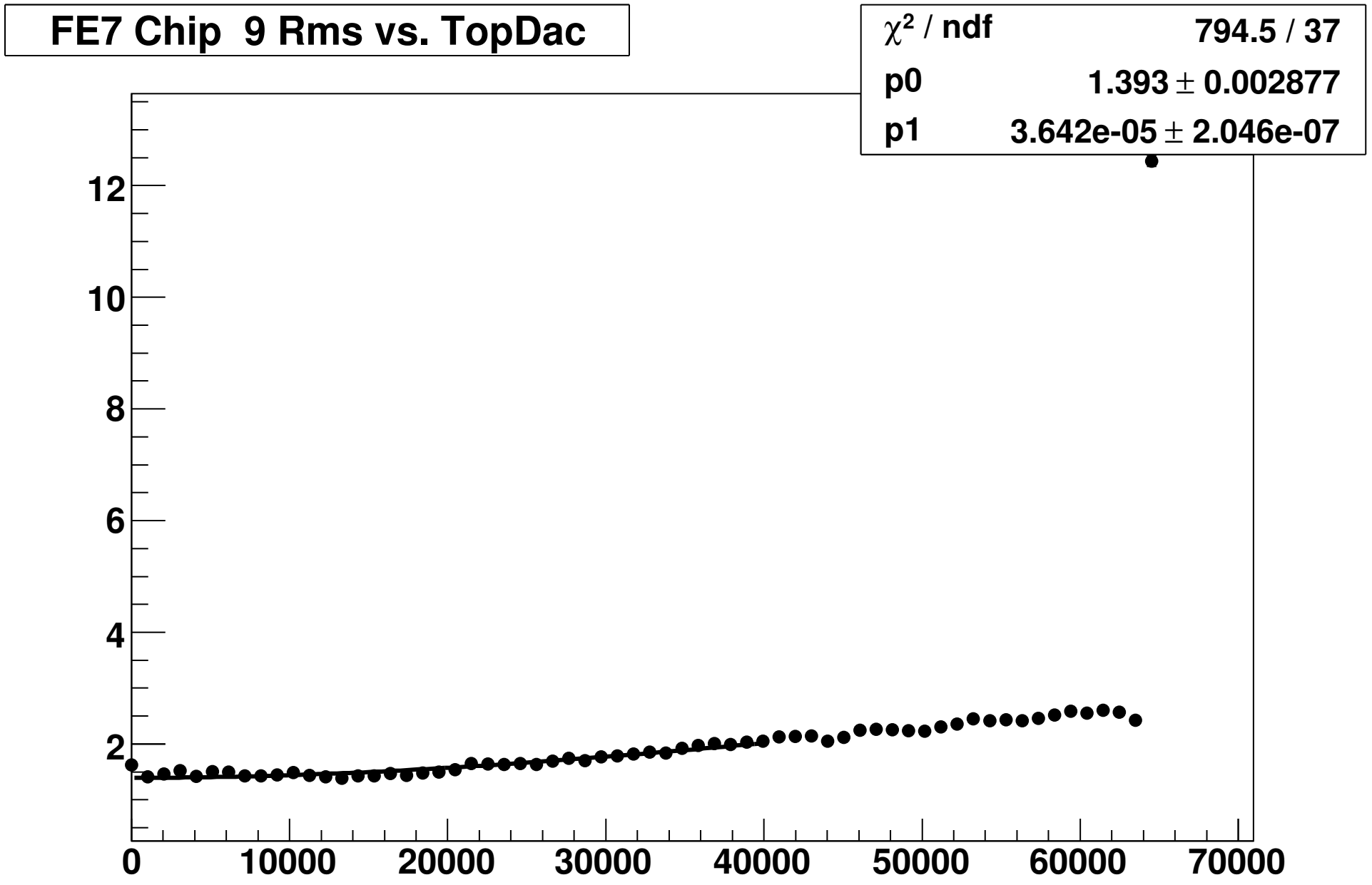

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 3.961e+04 / 37
p0 68.35 ± 0.005196
p1 0.4505 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

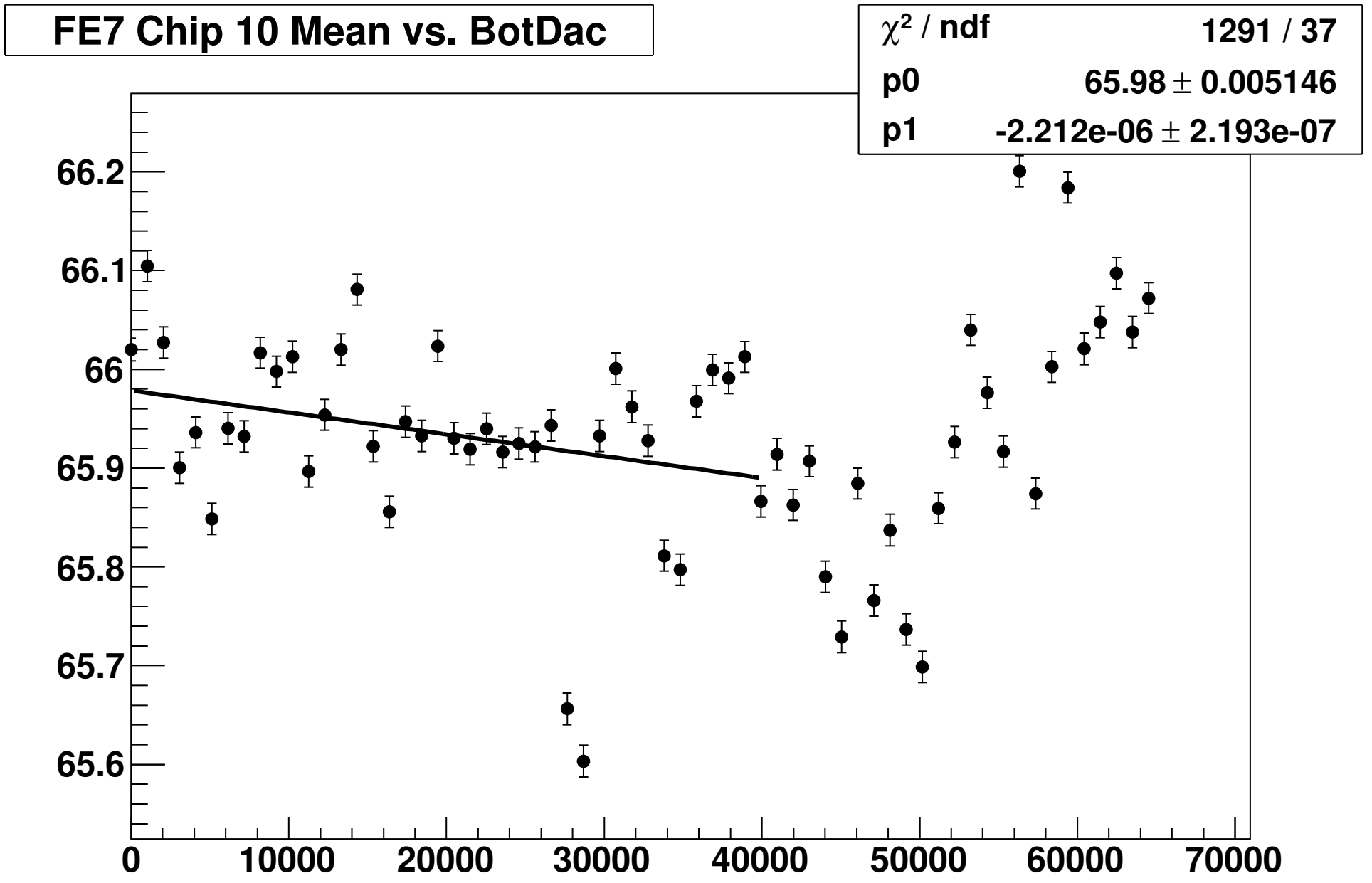

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 836.4 / 37
p0 1.377 ± 0.002854
p1 3.655e-05 ± 2.013e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

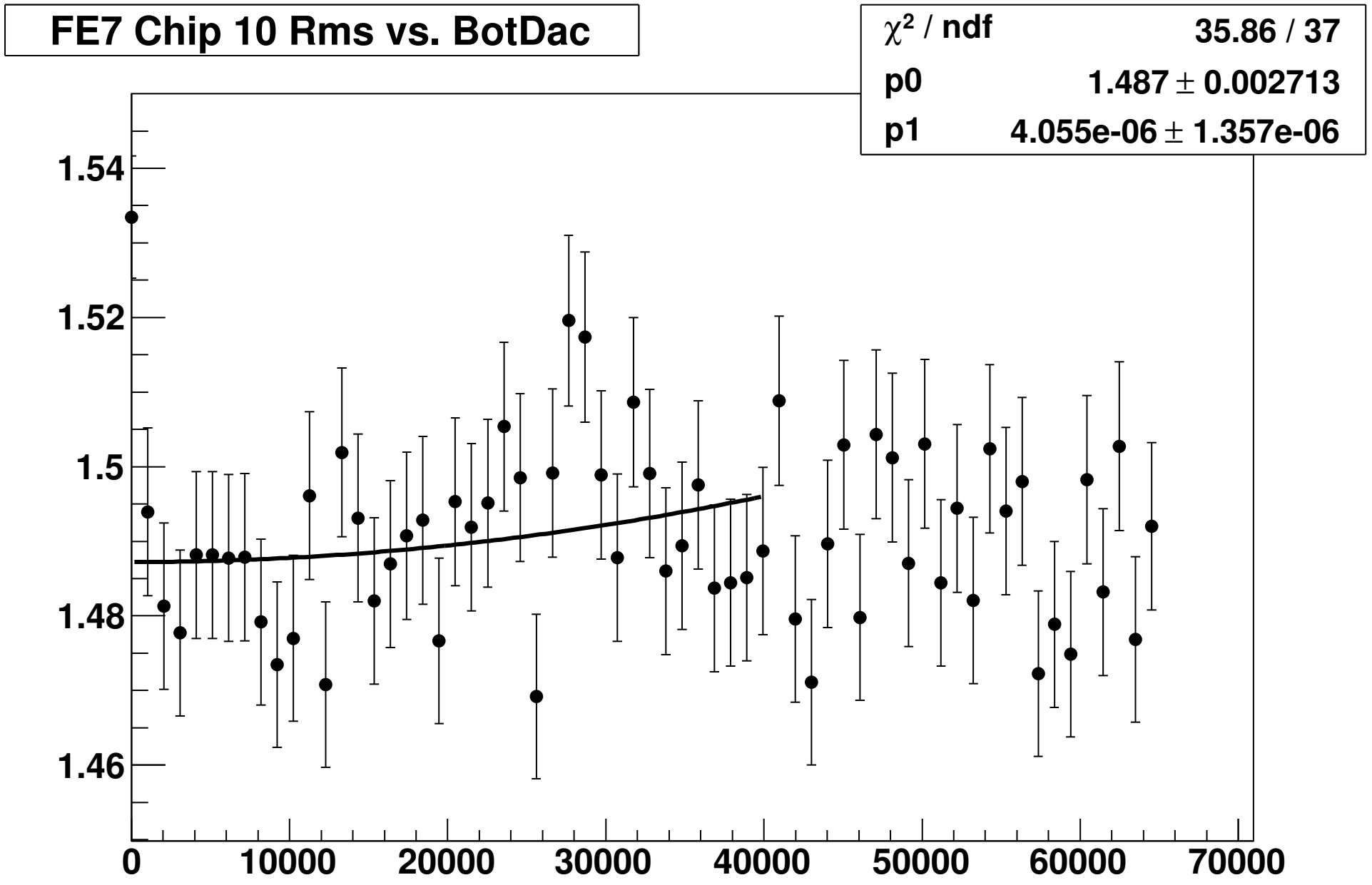

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 1362 / 37
p0 73.2 ± 0.005175
p1 -2.164e-06 ± 2.201e-07
73.5
73.4
73.3
73.2
73.1
73
72.9
72.8
0
10000
20000
30000
40000
50000
60000
70000

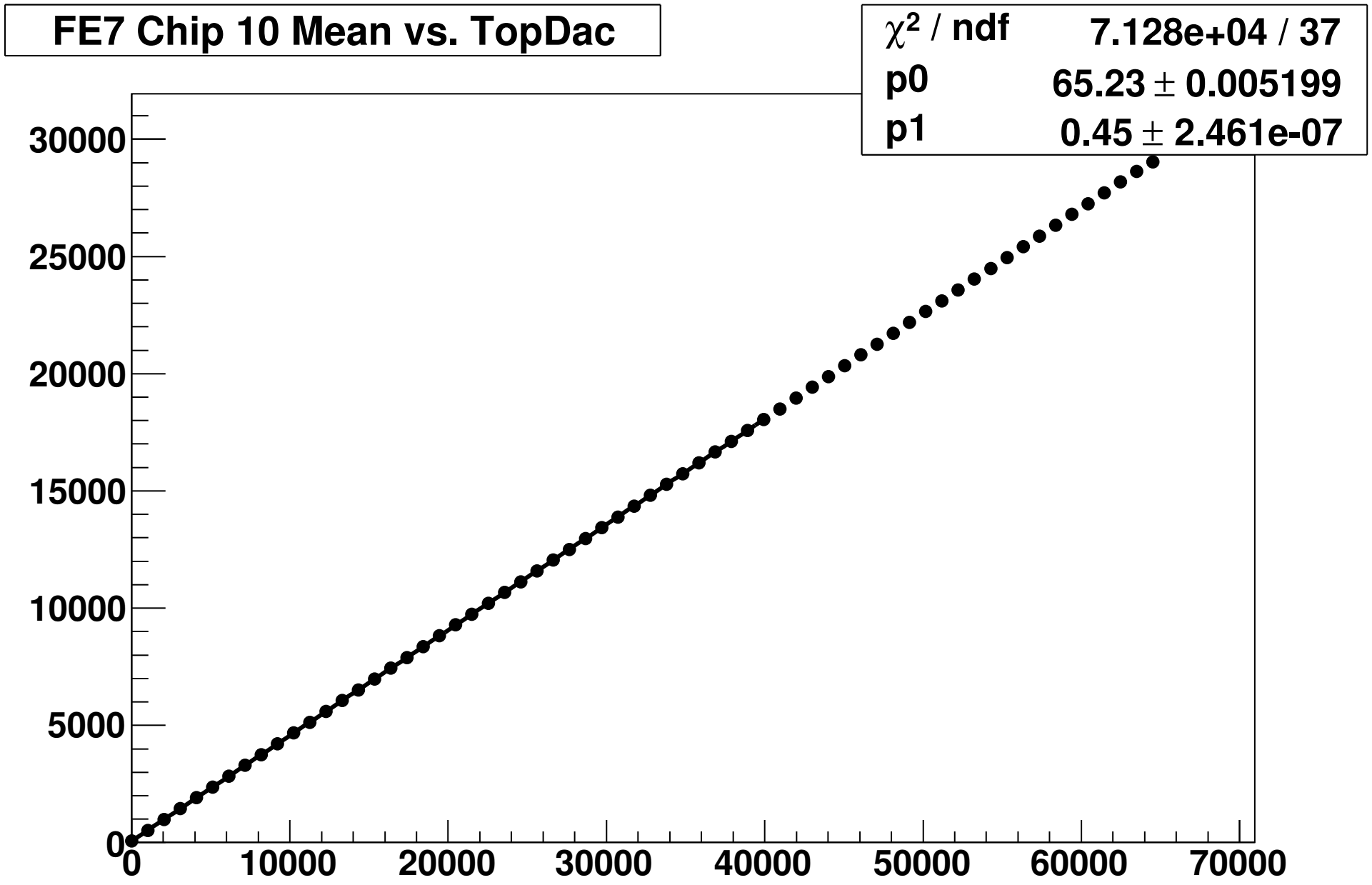

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 31.71 / 37
p0 1.494 ± 0.0018
p1 2.35e-13 ± 3.487e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

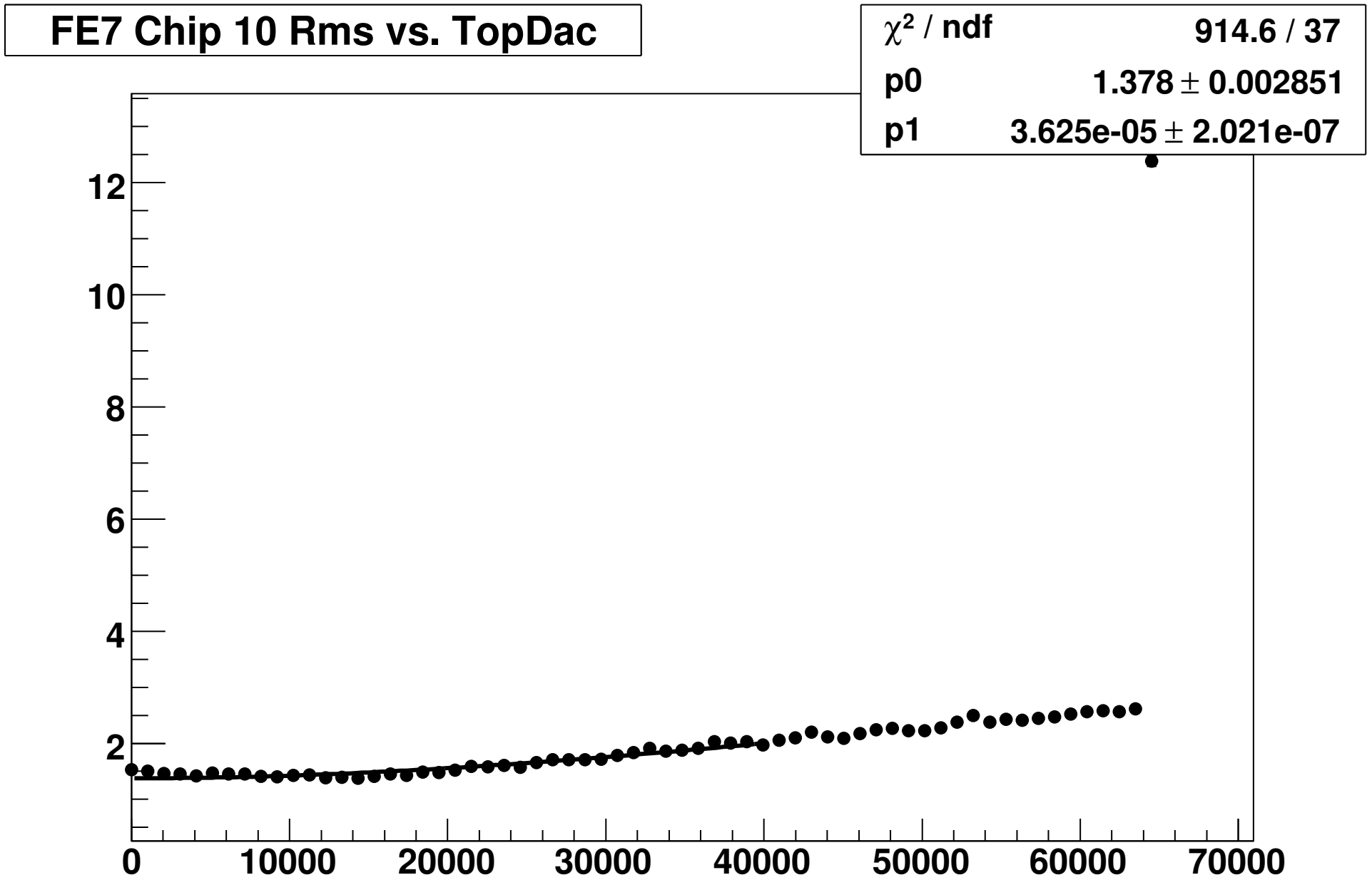

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 7.67e+04 / 37
p0 72.47 ± 0.005229
p1 0.4505 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

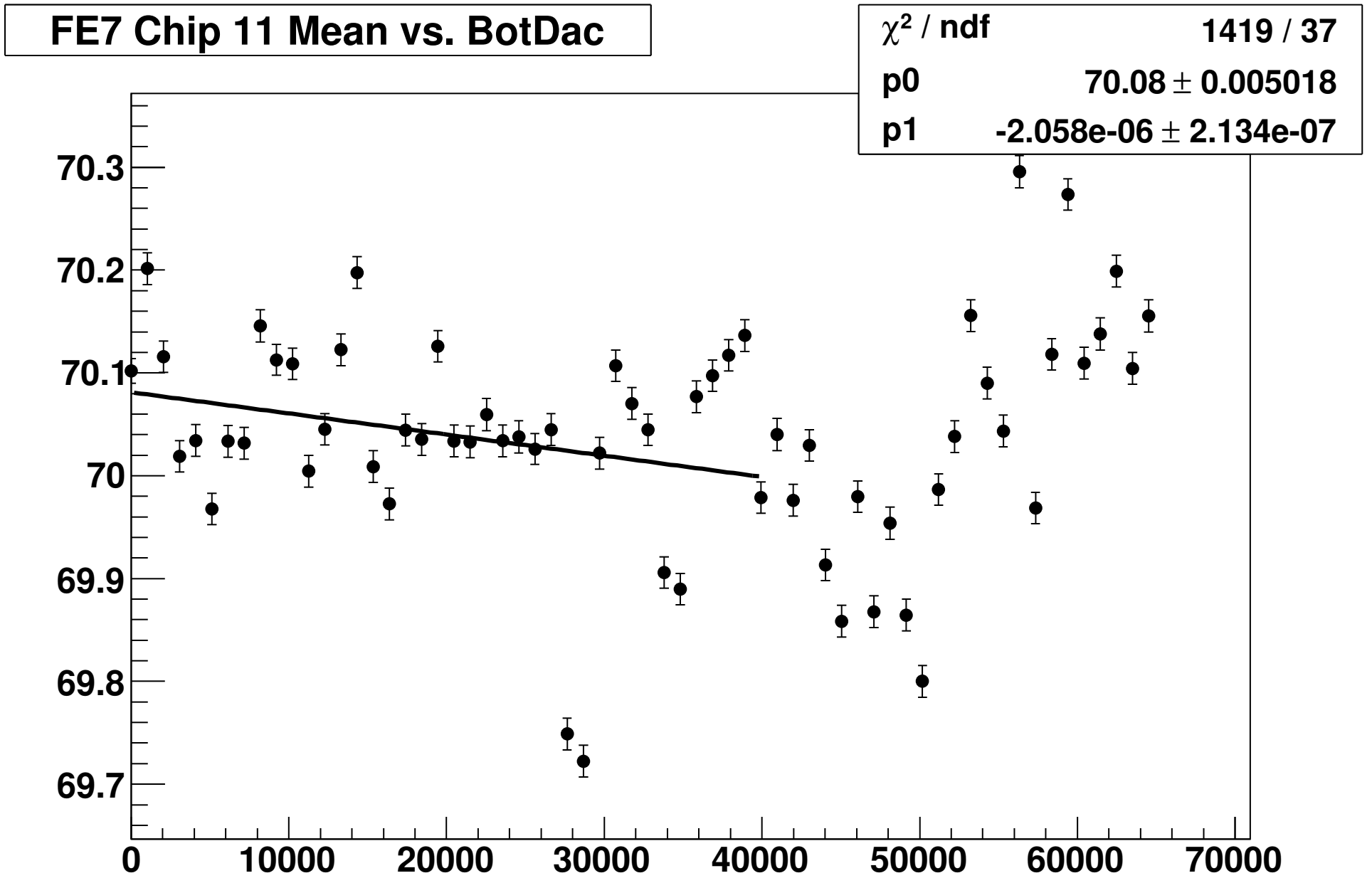

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 794.5 / 37
p0 1.393 ± 0.002877
p1 3.642e-05 ± 2.046e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

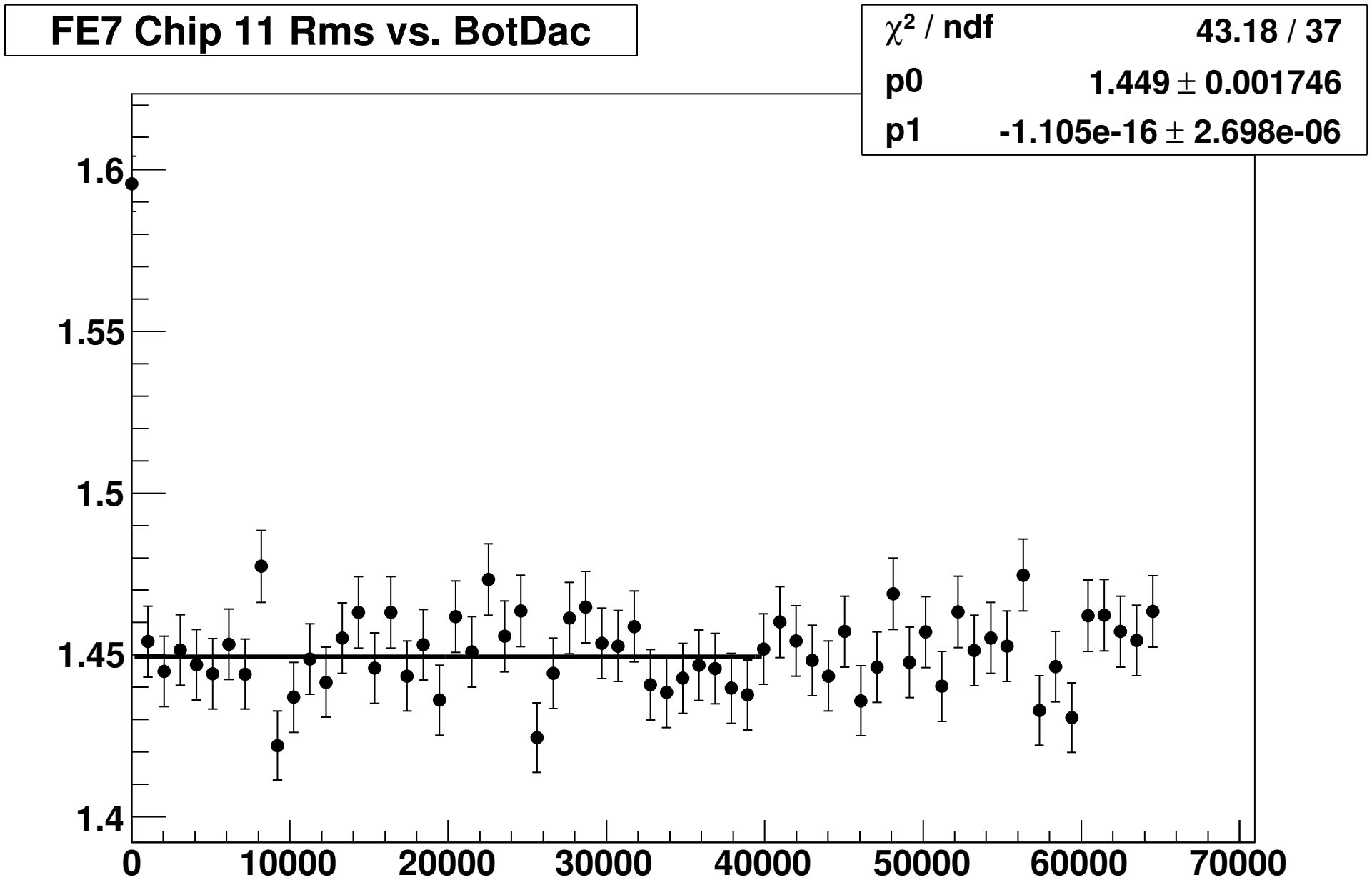

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 1291 / 37
p0 65.98 ± 0.005146
p1 -2.212e-06 ± 2.193e-07
66.2
66.1
66
65.9
65.8
65.7
65.6
0
10000
20000
30000
40000
50000
60000
70000

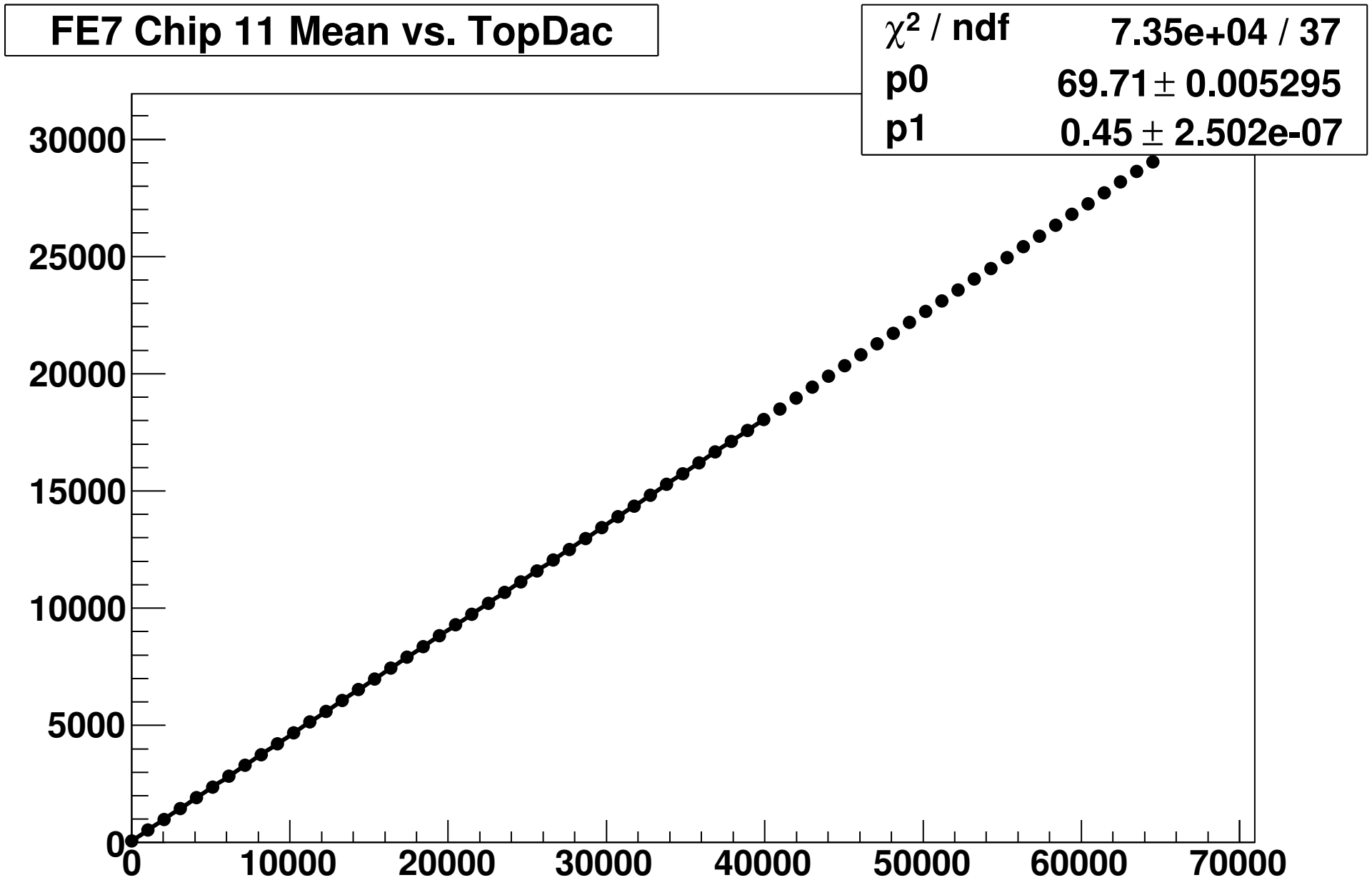

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 35.86 / 37
p0 1.487 ± 0.002713
p1 4.055e-06 ± 1.357e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

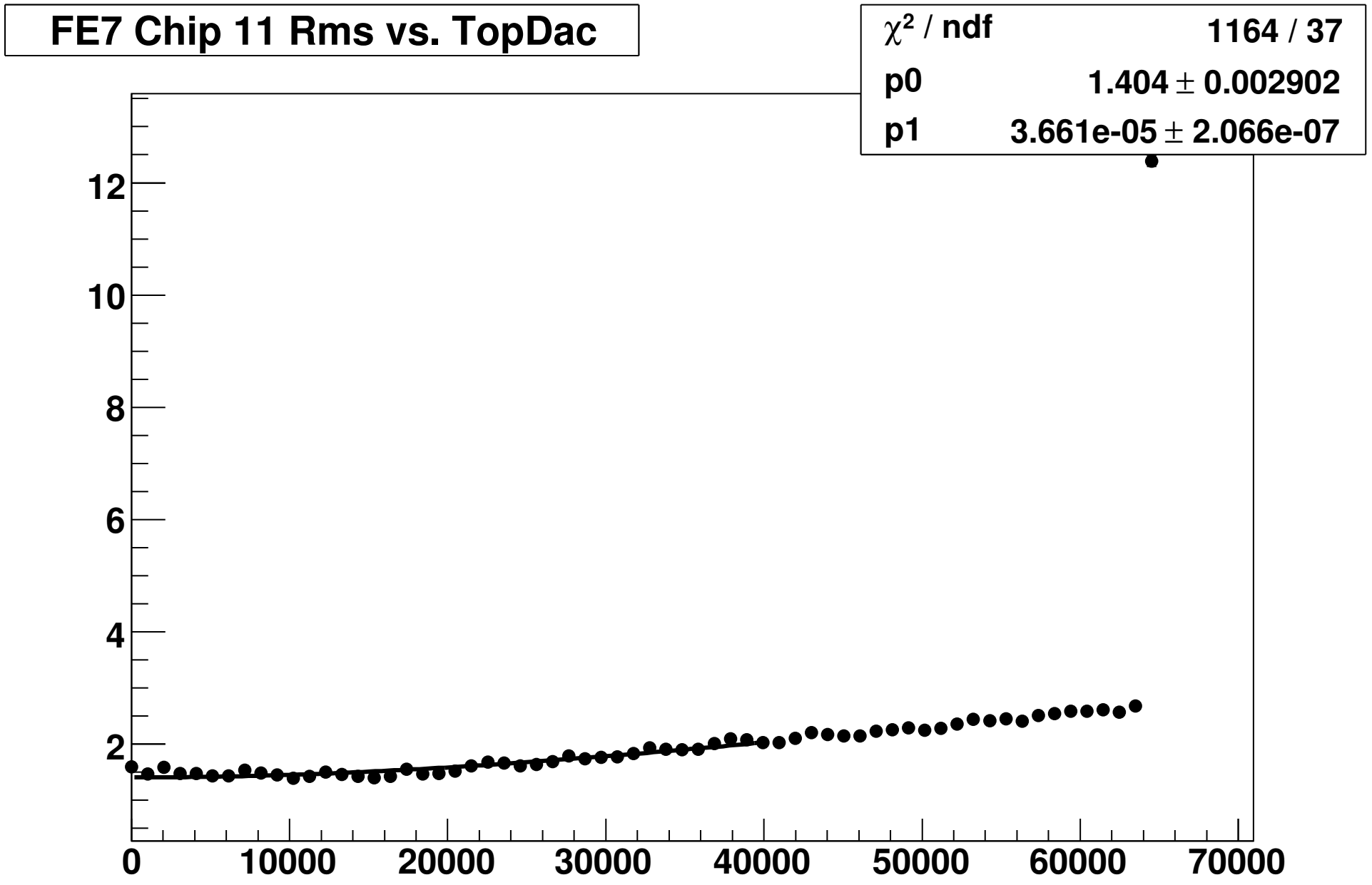

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 7.128e+04 / 37
p0 65.23 ± 0.005199
p1 0.45 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

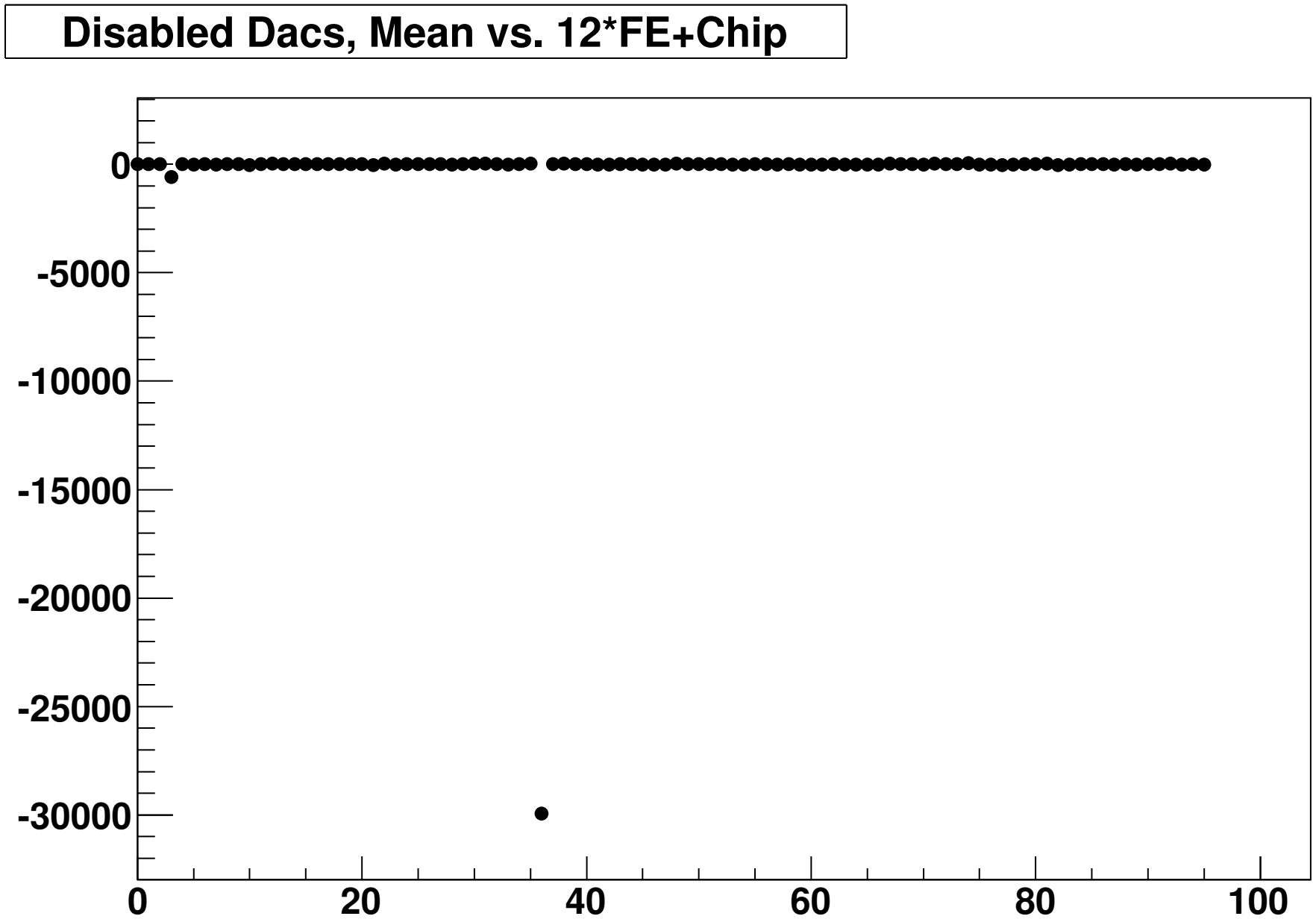

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 914.6 / 37
p0 1.378 ± 0.002851
p1 3.625e-05 ± 2.021e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

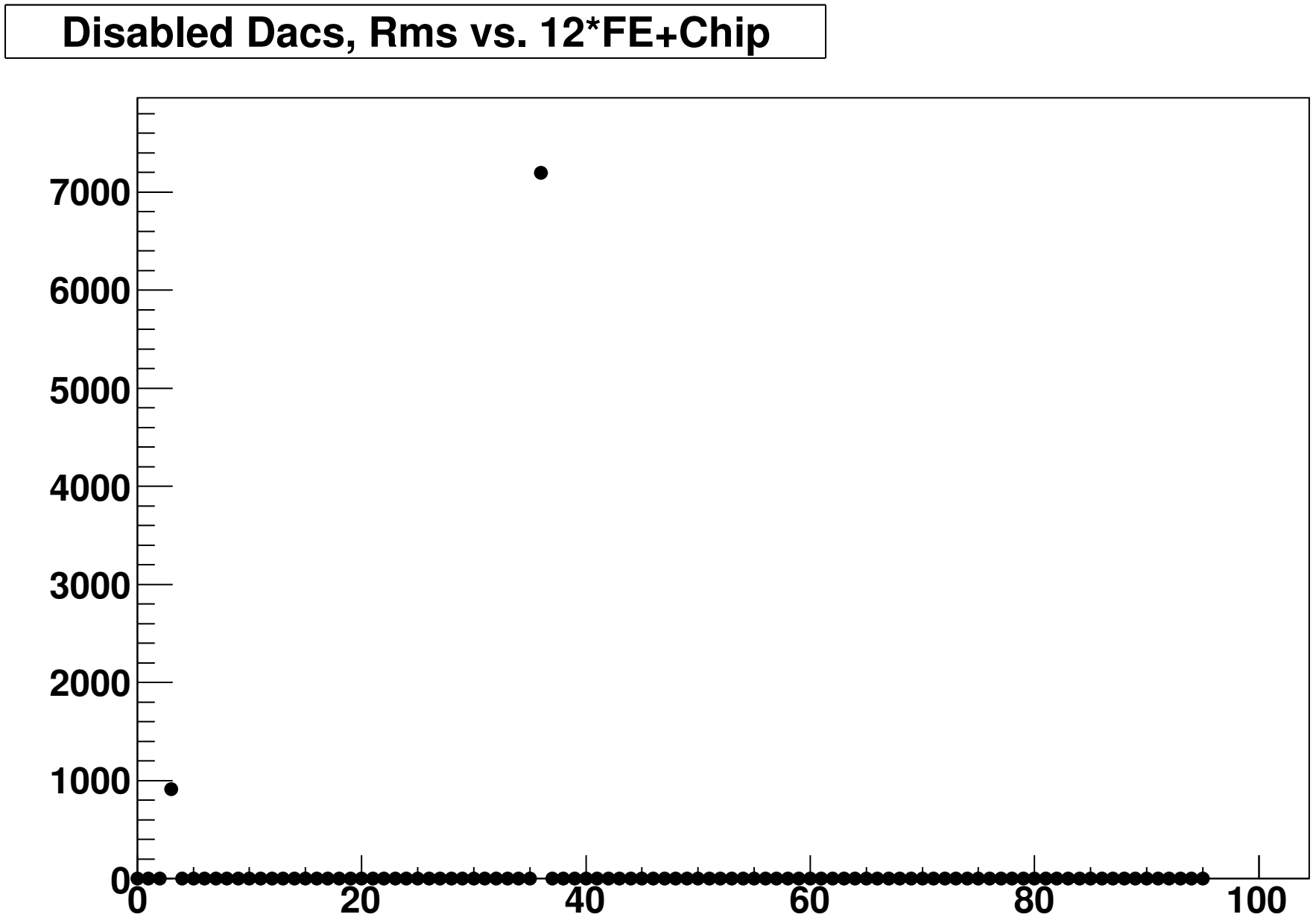

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 1419 / 37
p0 70.08 ± 0.005018
p1 -2.058e-06 ± 2.134e-07
70.3
70.2
70.1
70
69.9
69.8
69.7
0
10000
20000
30000
40000
50000
60000
70000

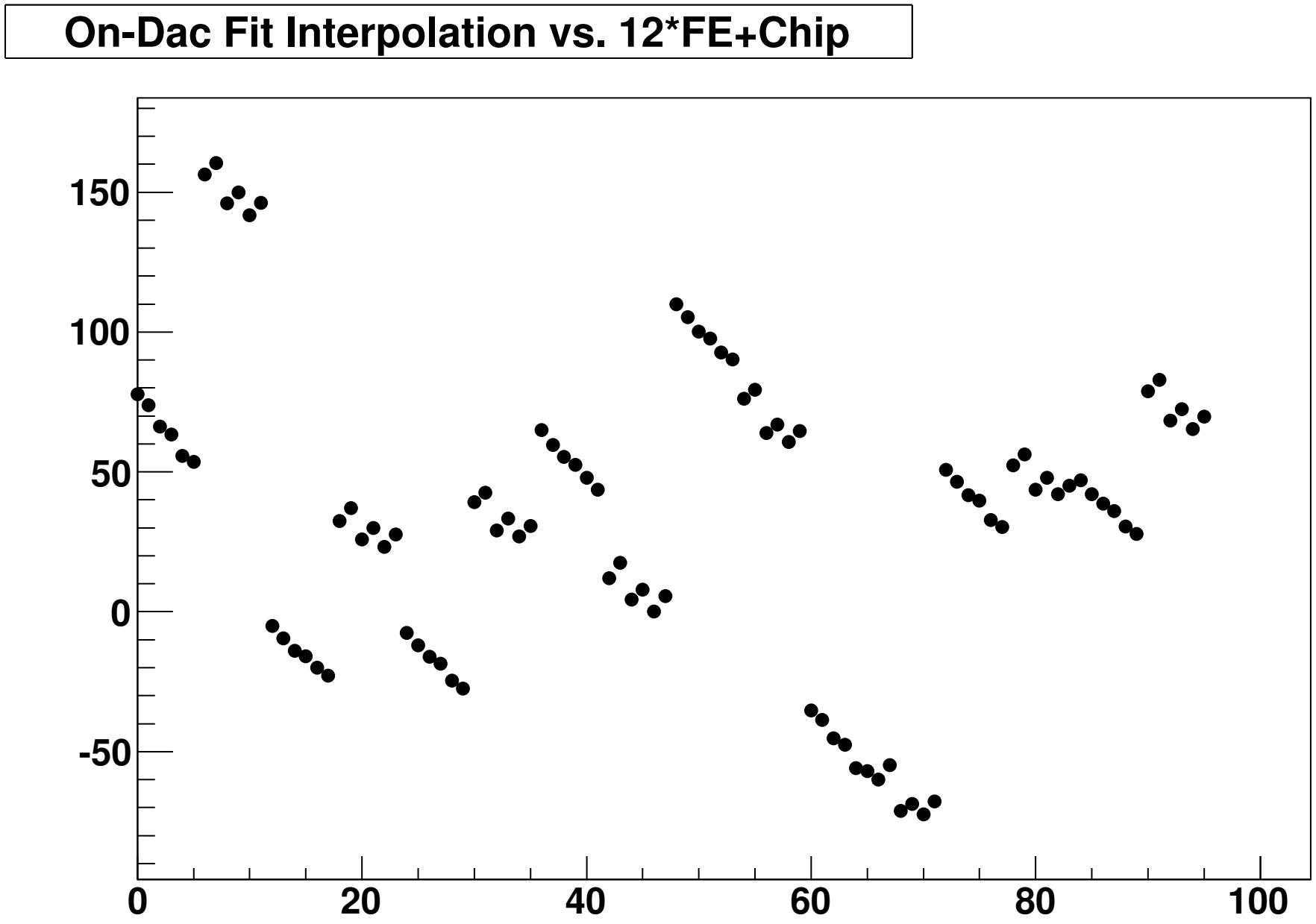

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 43.18 / 37
p0 1.449 ± 0.001746
p1 -1.105e-16 ± 2.698e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

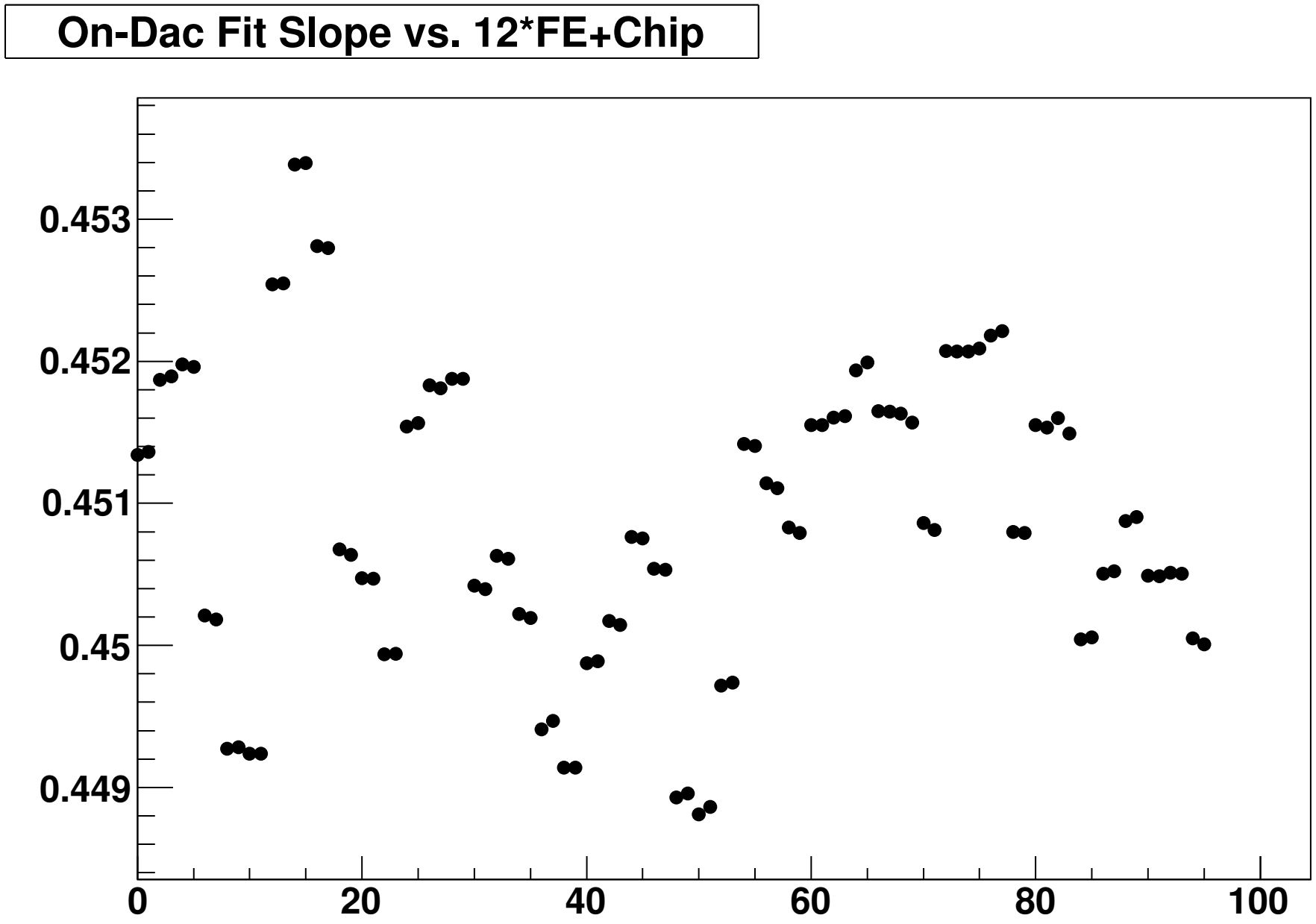

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 7.35e+04 / 37
p0 69.71 ± 0.005295
p1 0.45 ± 2.502e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

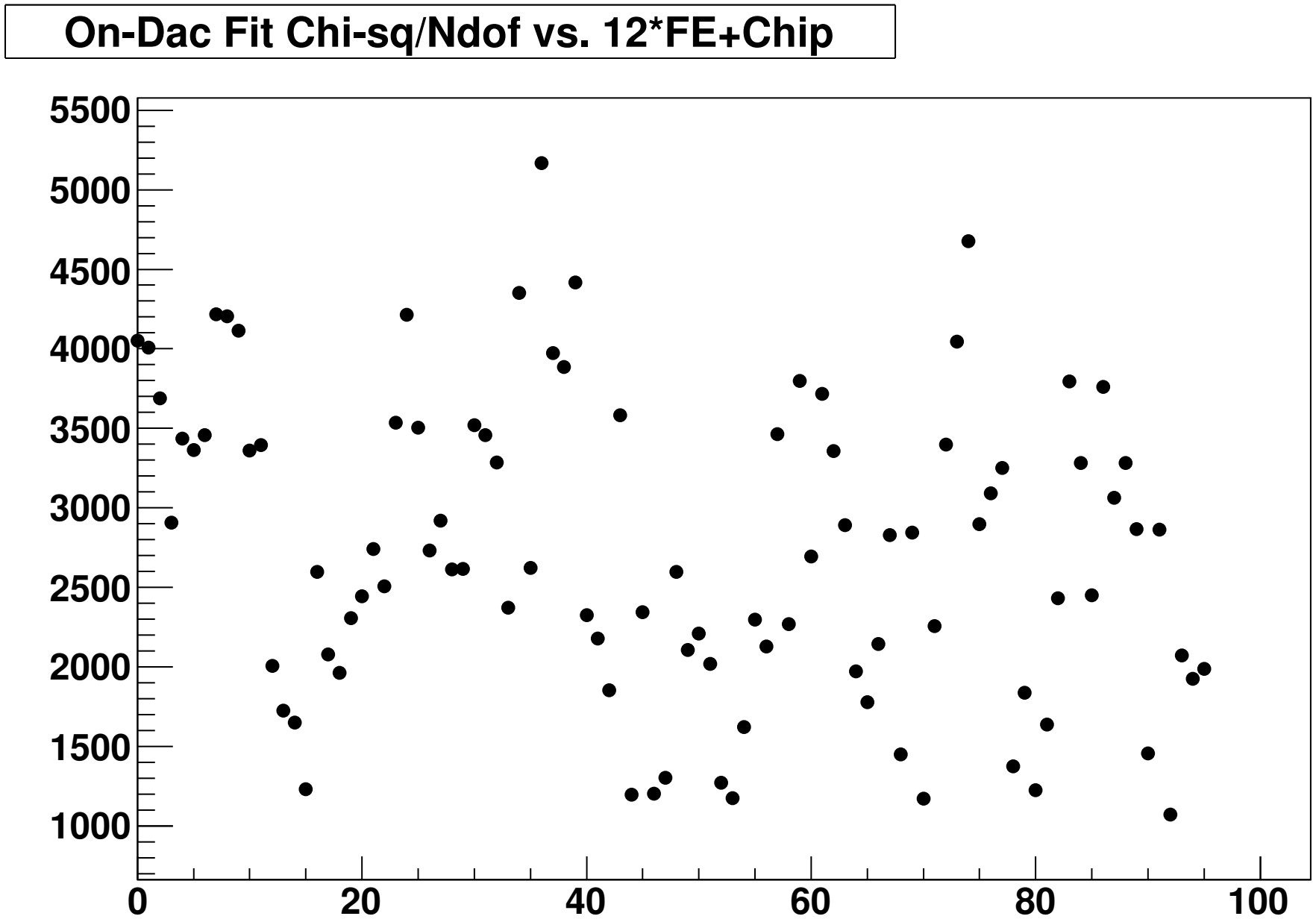

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1164 / 37
p0 1.404 ± 0.002902
p1 3.661e-05 ± 2.066e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

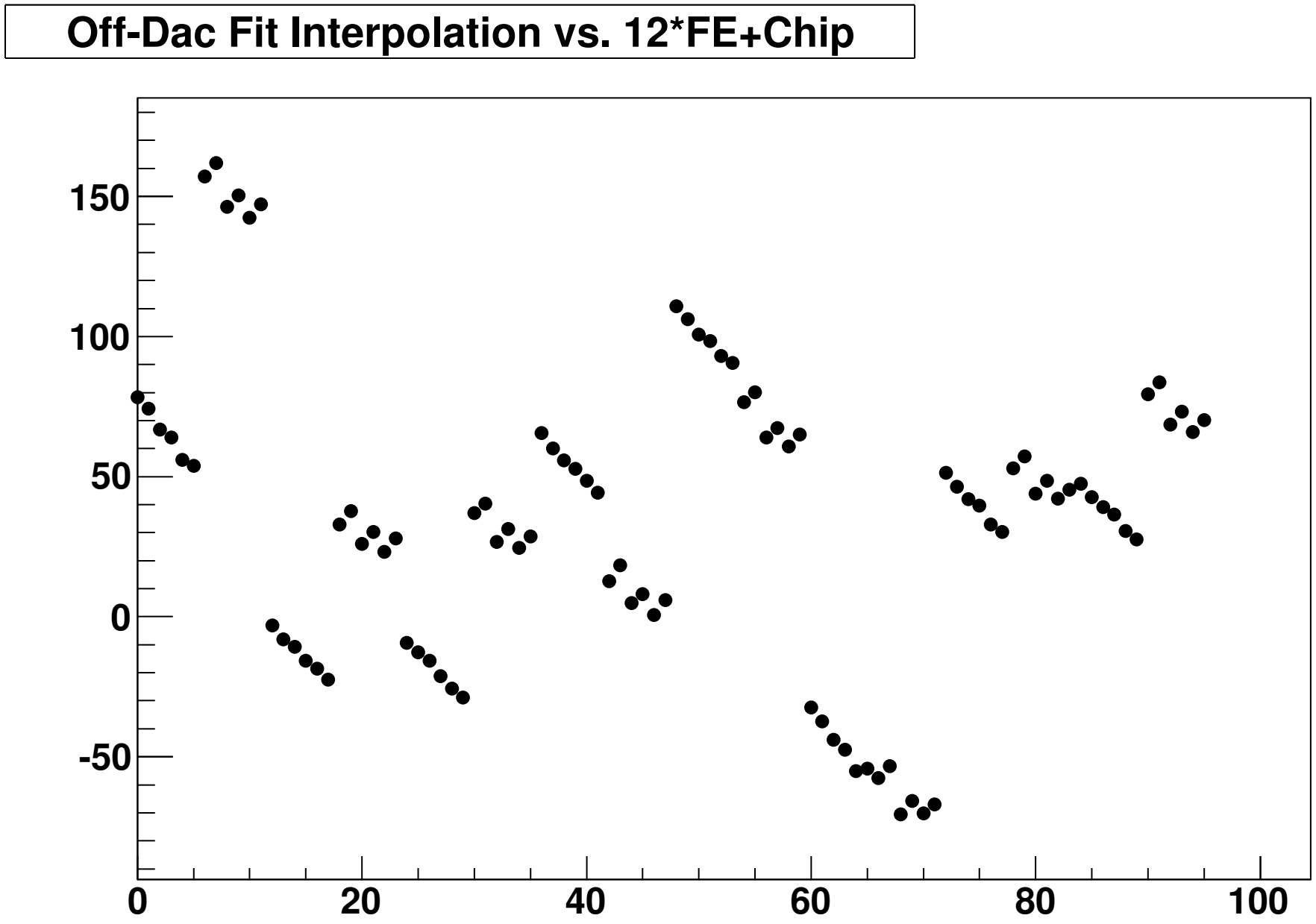

Disabled Dacs, Mean vs. 12*FE+Chip
0
-5000
-10000
-15000
-20000
-25000
-30000
0
20
40
60
80
100

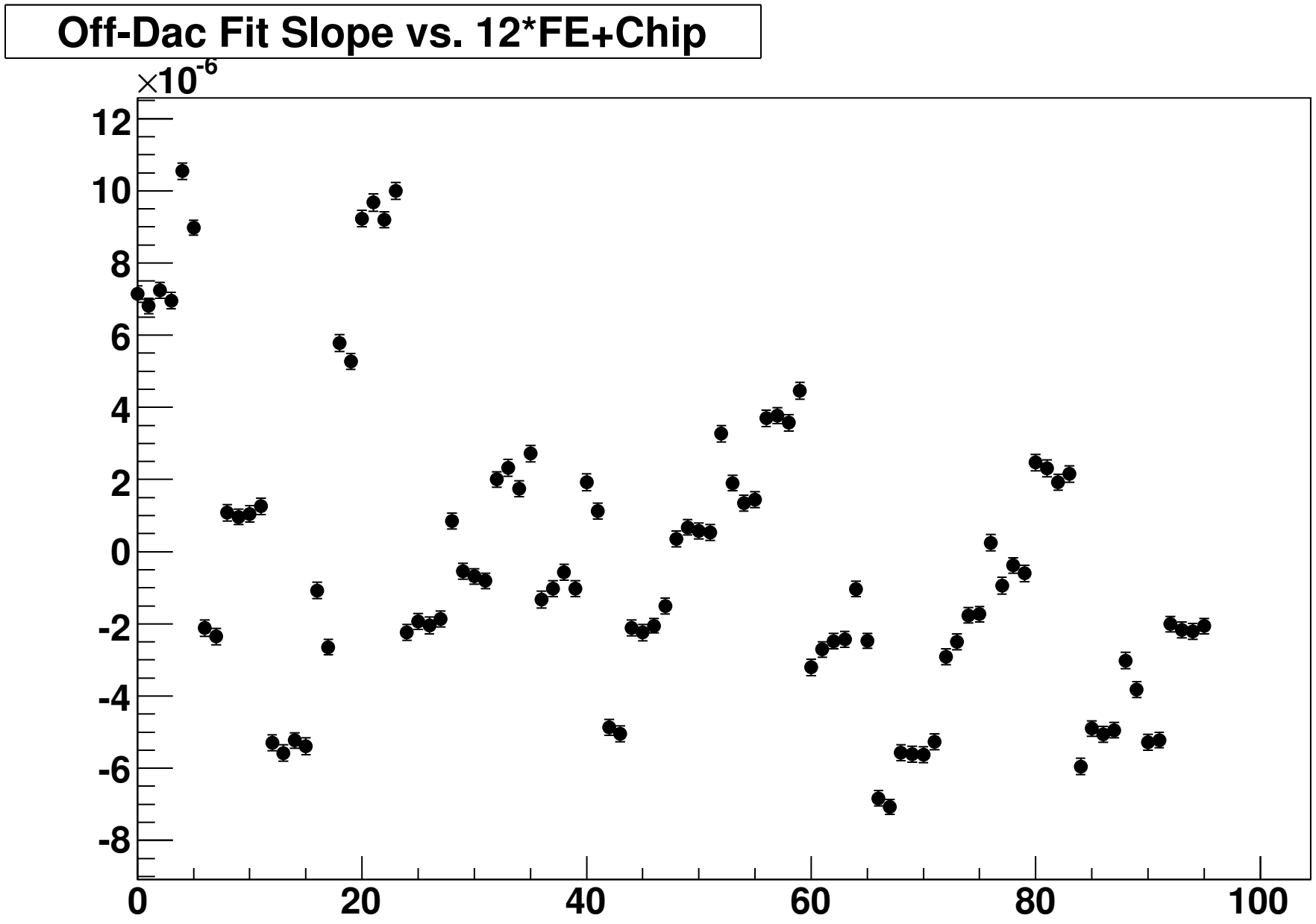

Disabled Dacs, Rms vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

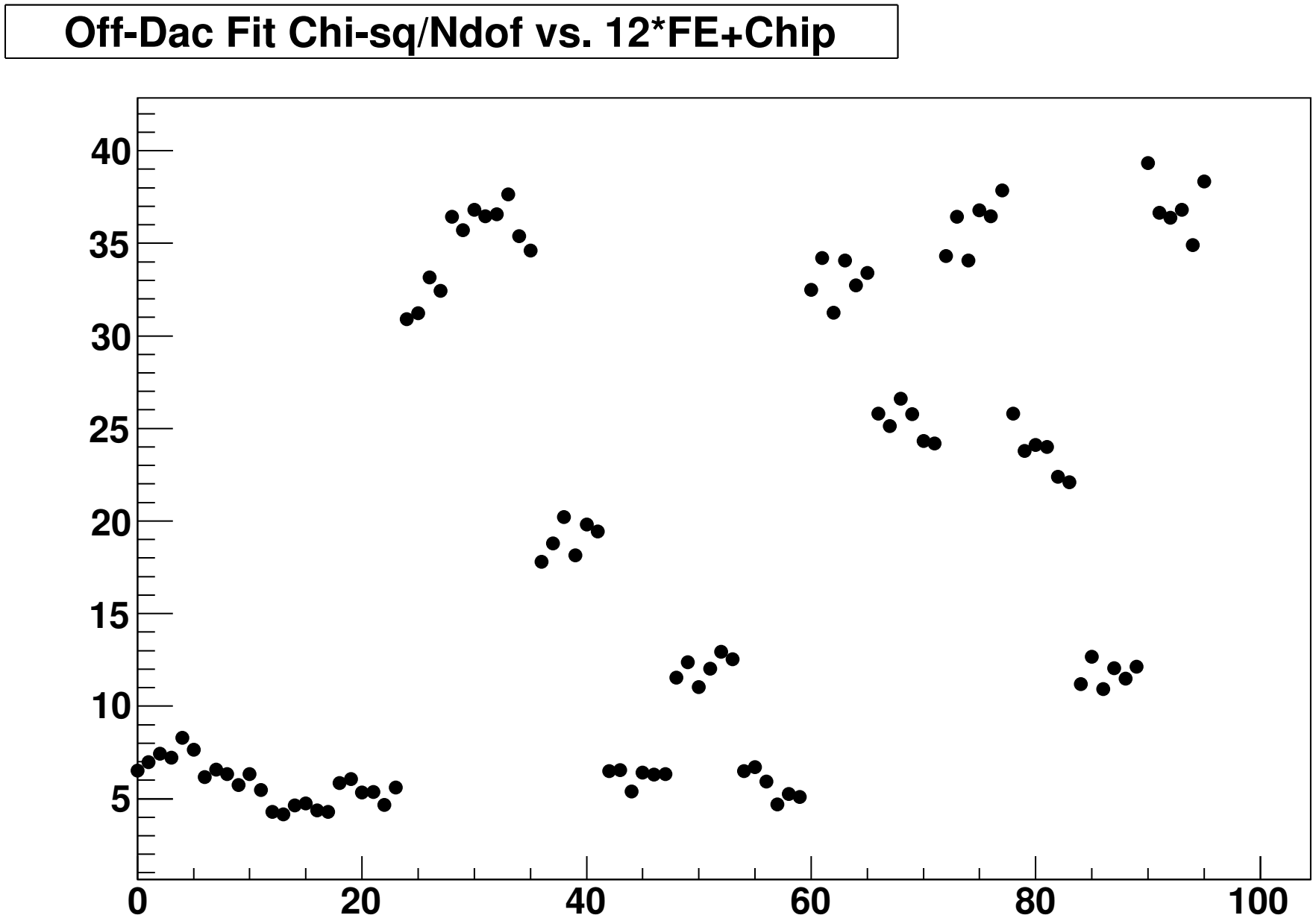

On-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
0
20
40
60
80
100

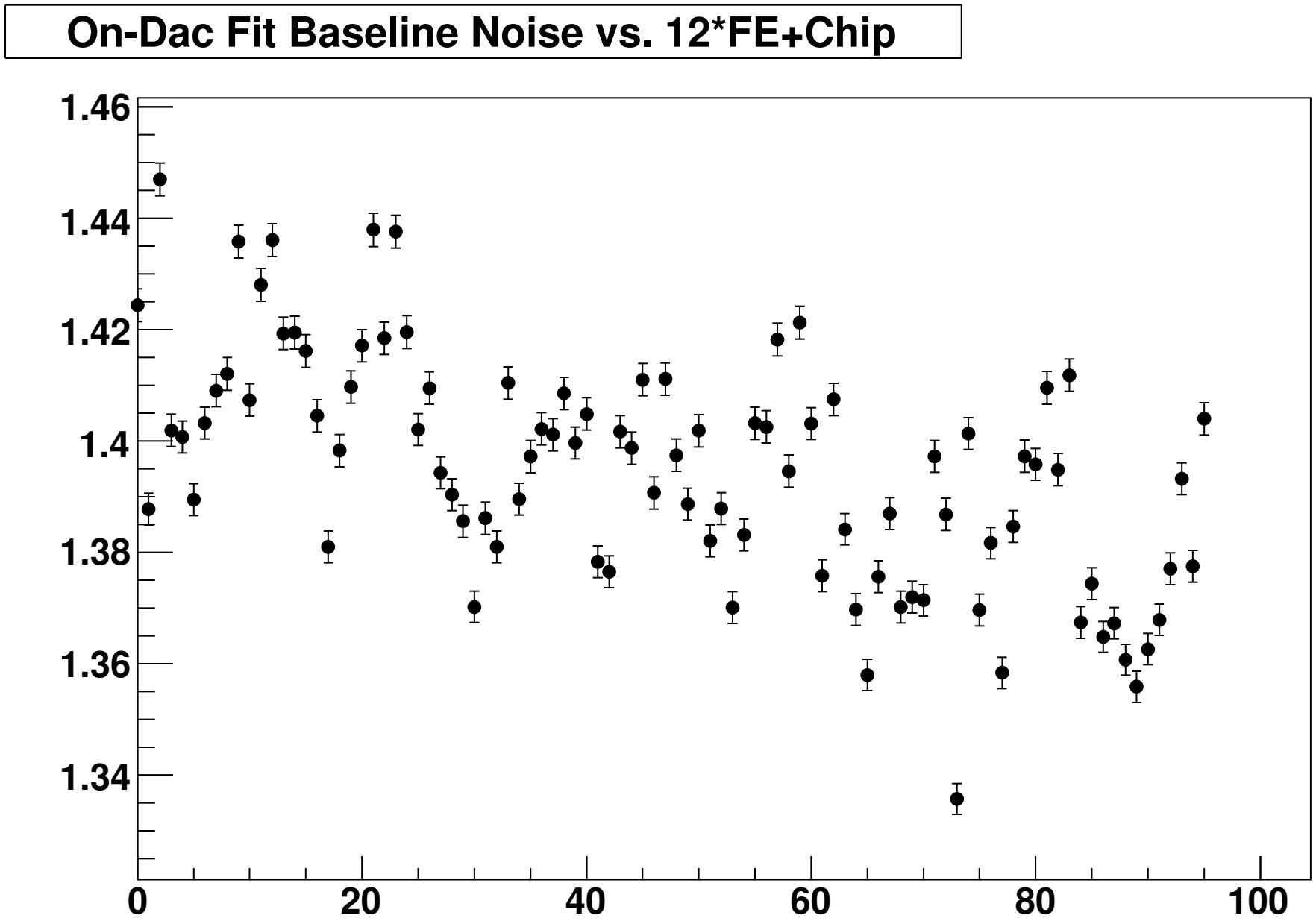

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.452
0.451
0.45
0.449
0
20
40
60
80
100

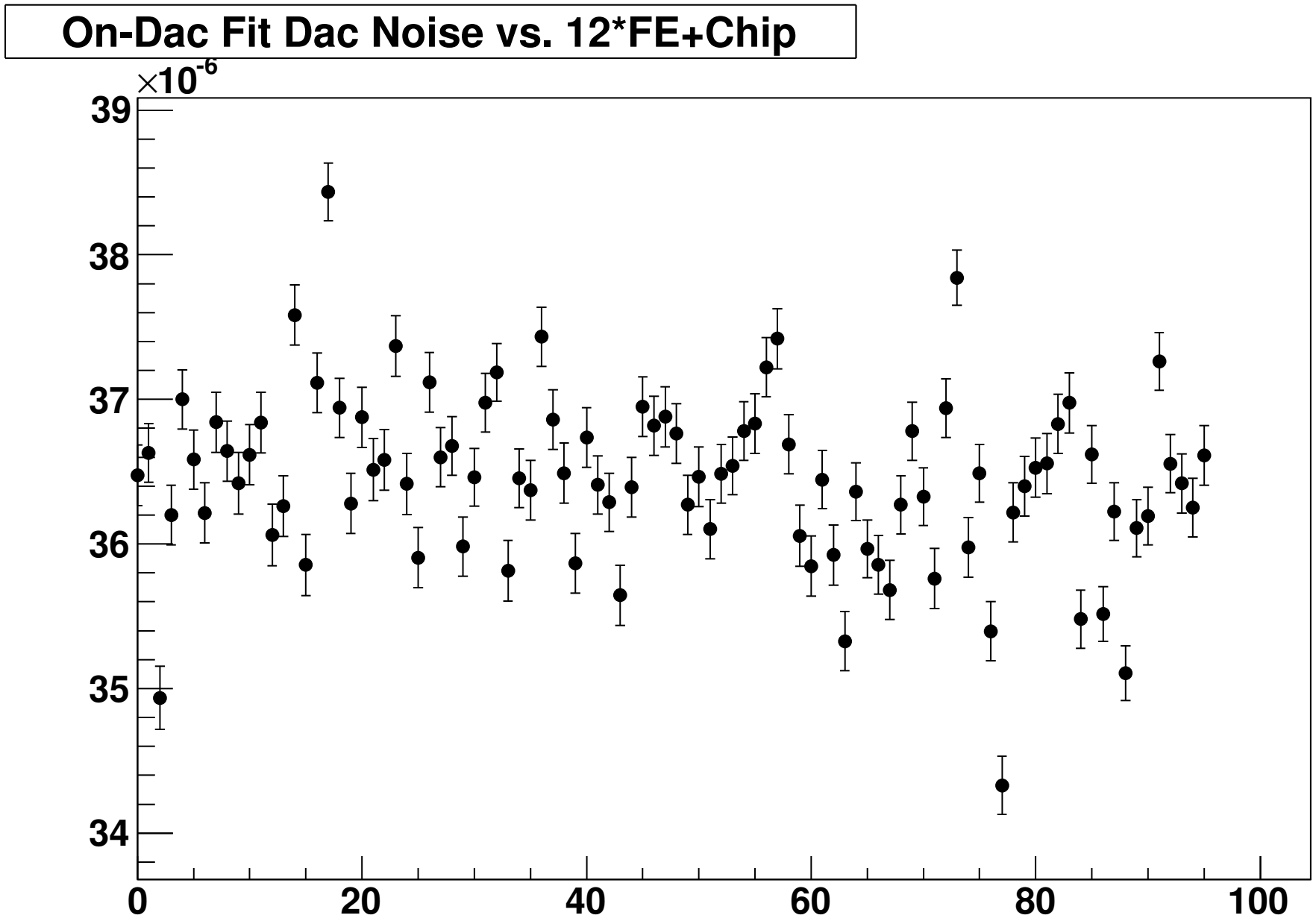

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
0
20
40
60
80
100

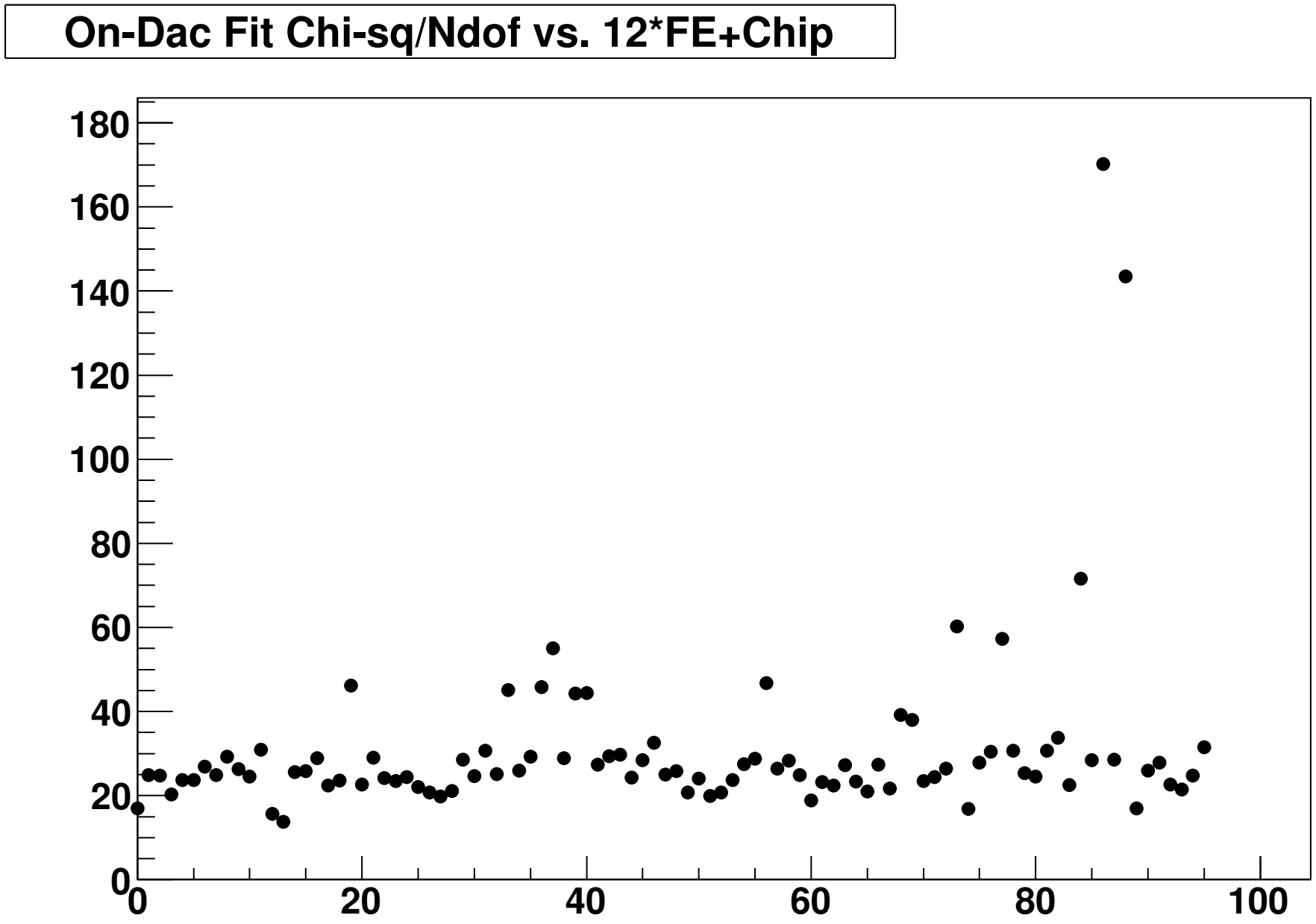

Off-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
0
20
40
60
80
100

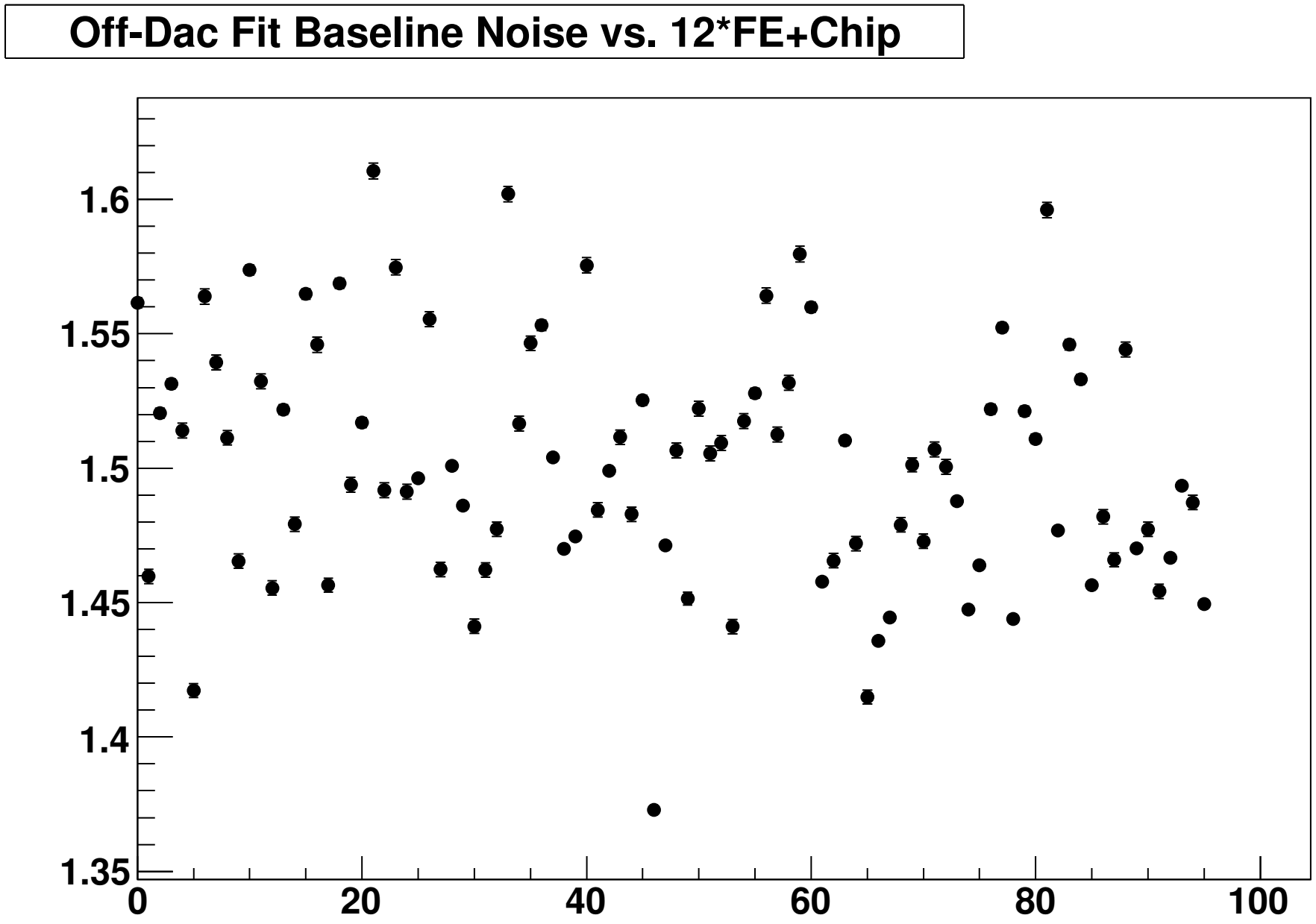

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
12
10
8
6
4
2
0
-2
-4
-6
-8
0
20
40
60
80
100

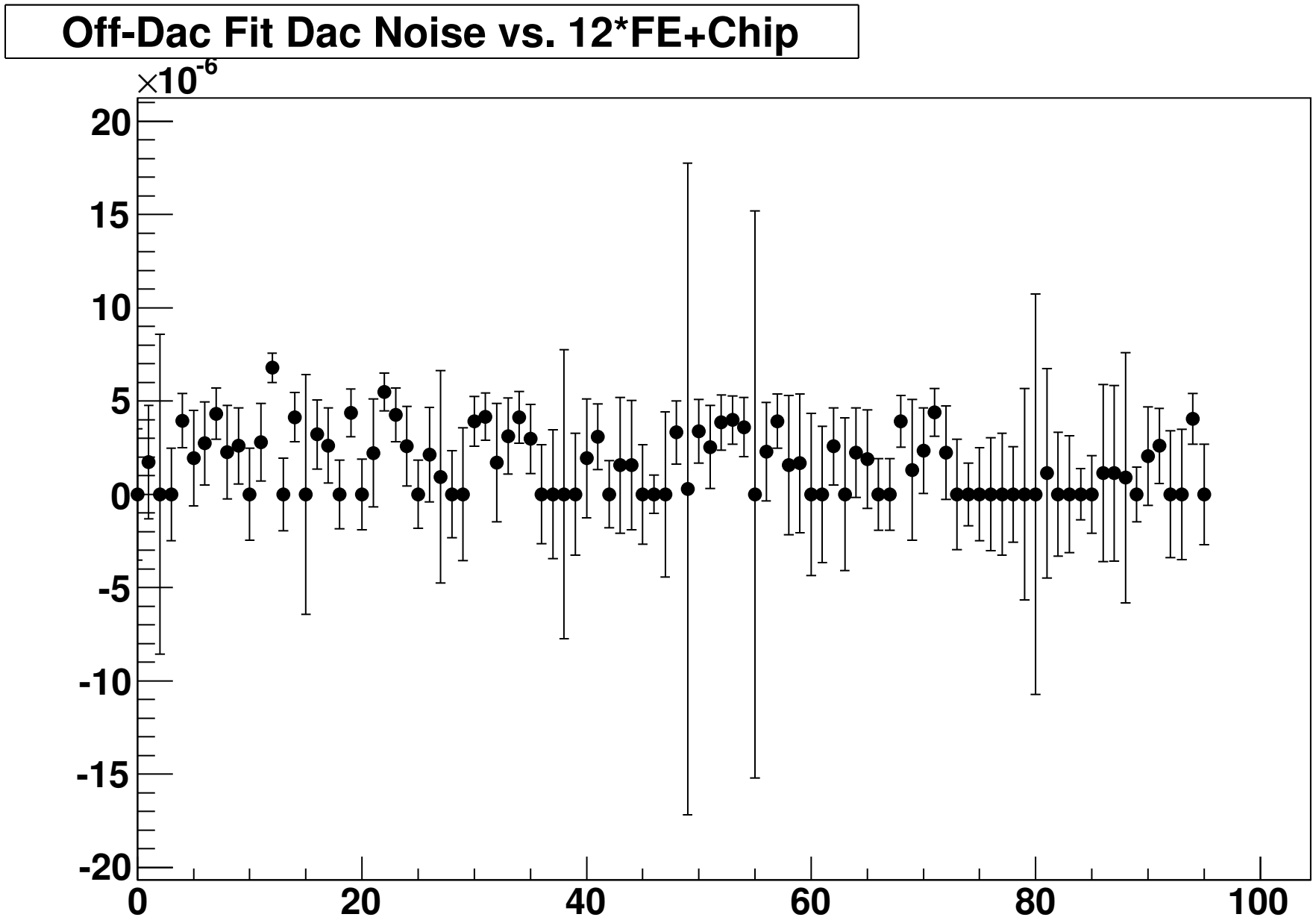

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
40
35
30
25
20
15
10
5
0
20
40
60
80
100

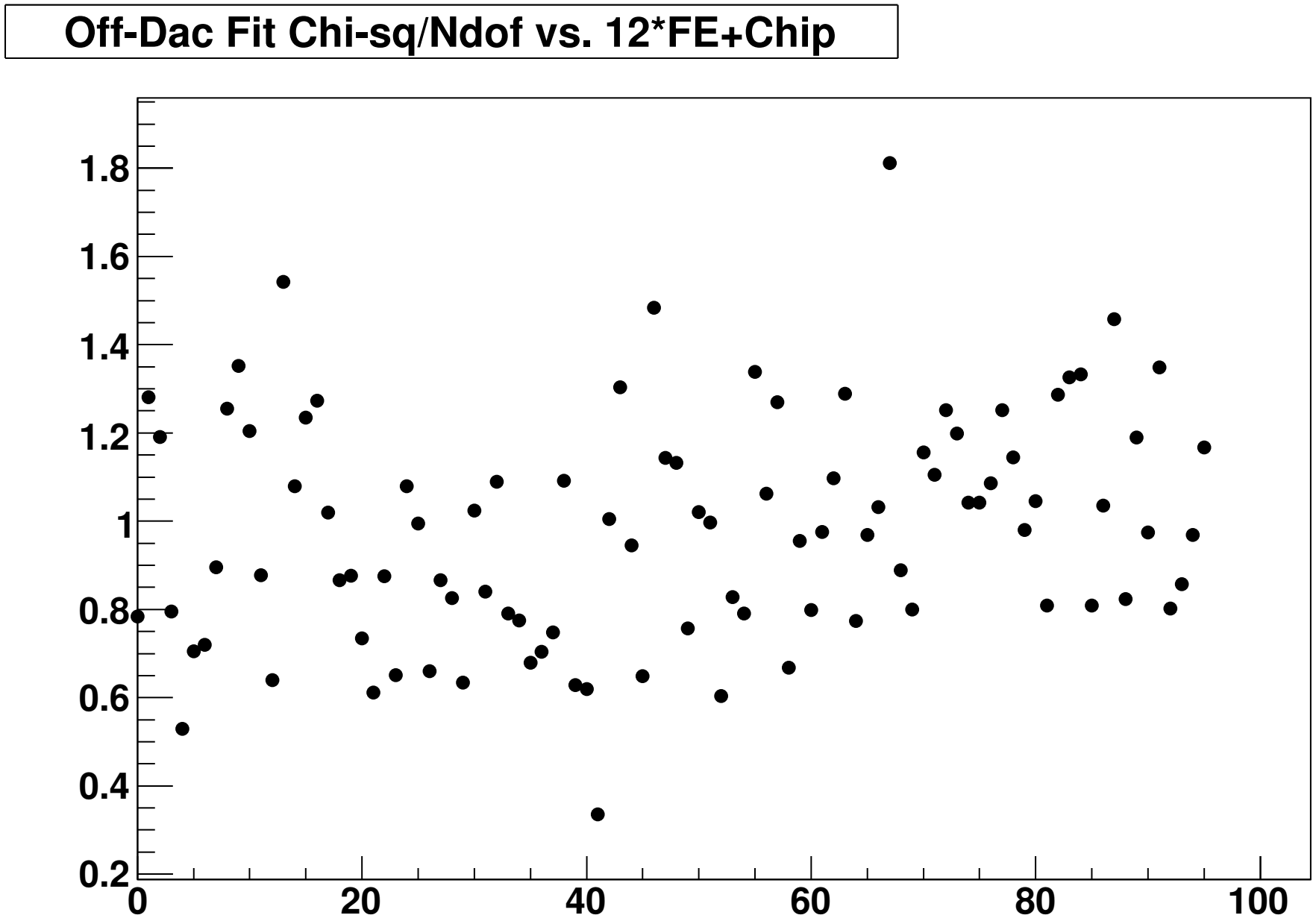

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.46
1.44
1.42
1.4
1.38
1.36
1.34
0
20
40
60
80
100

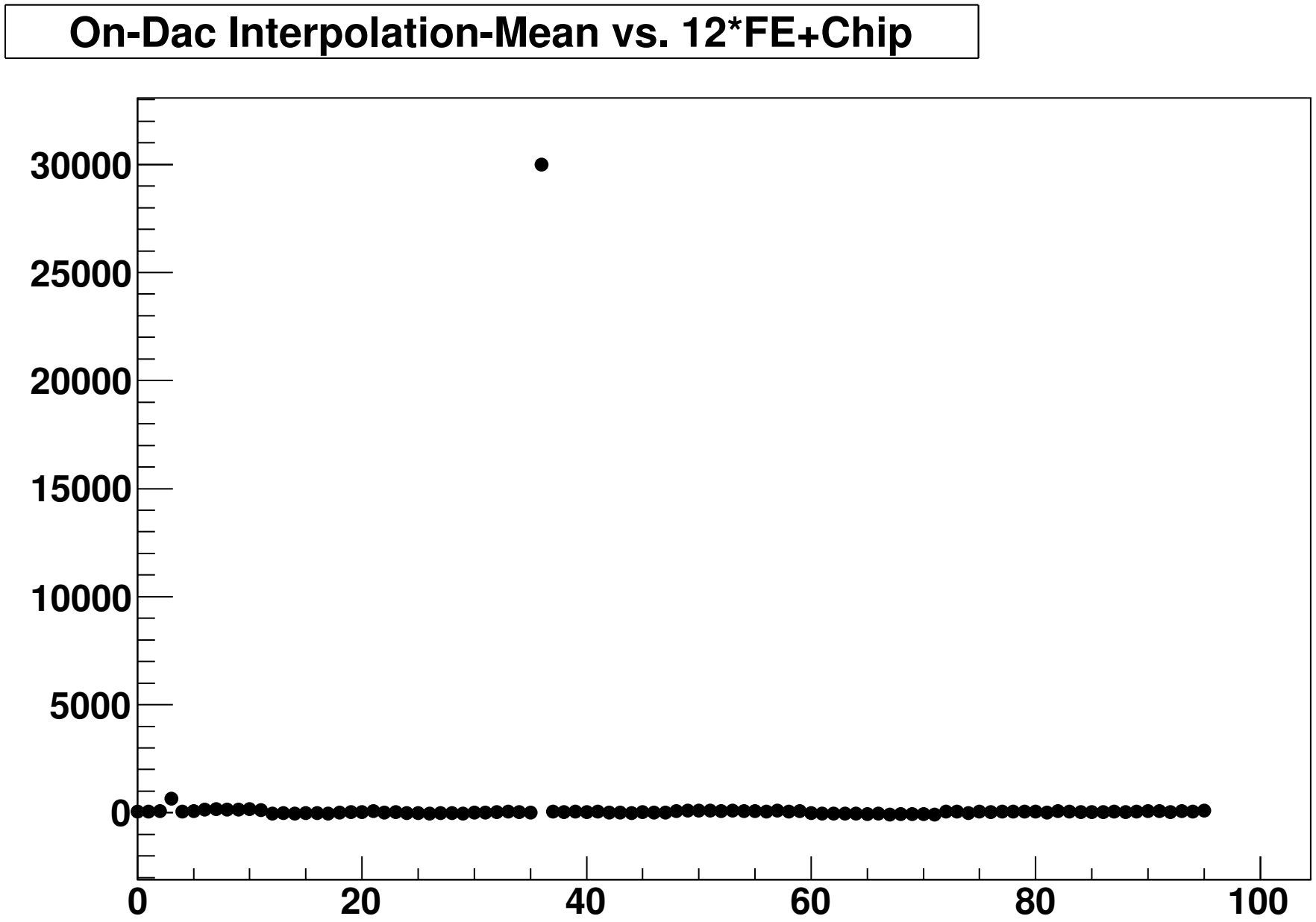

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
39
38
37
36
35
34
0
20
40
60
80
100

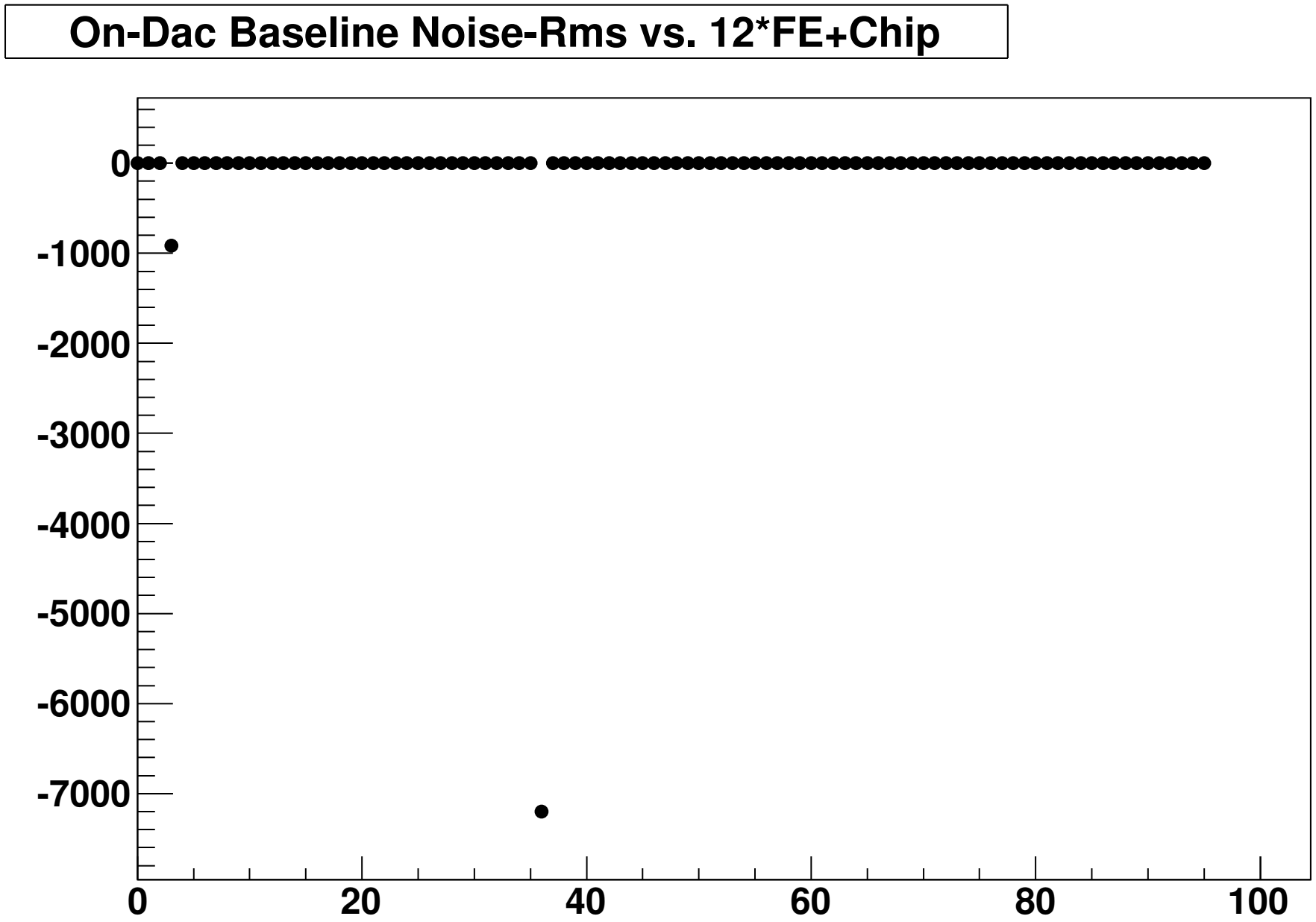

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

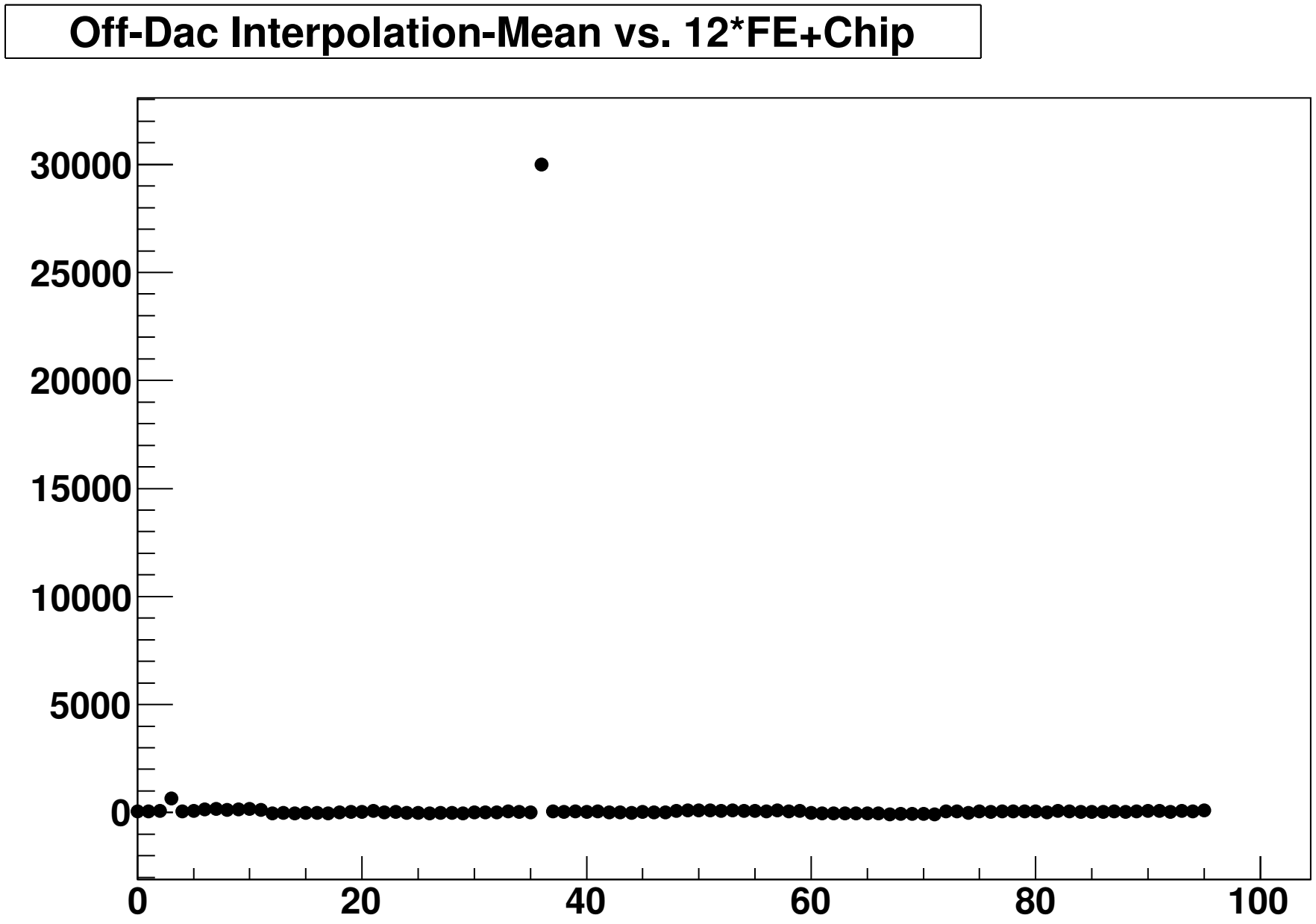

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.55
1.5
1.45
1.4
1.35
0
20
40
60
80
100

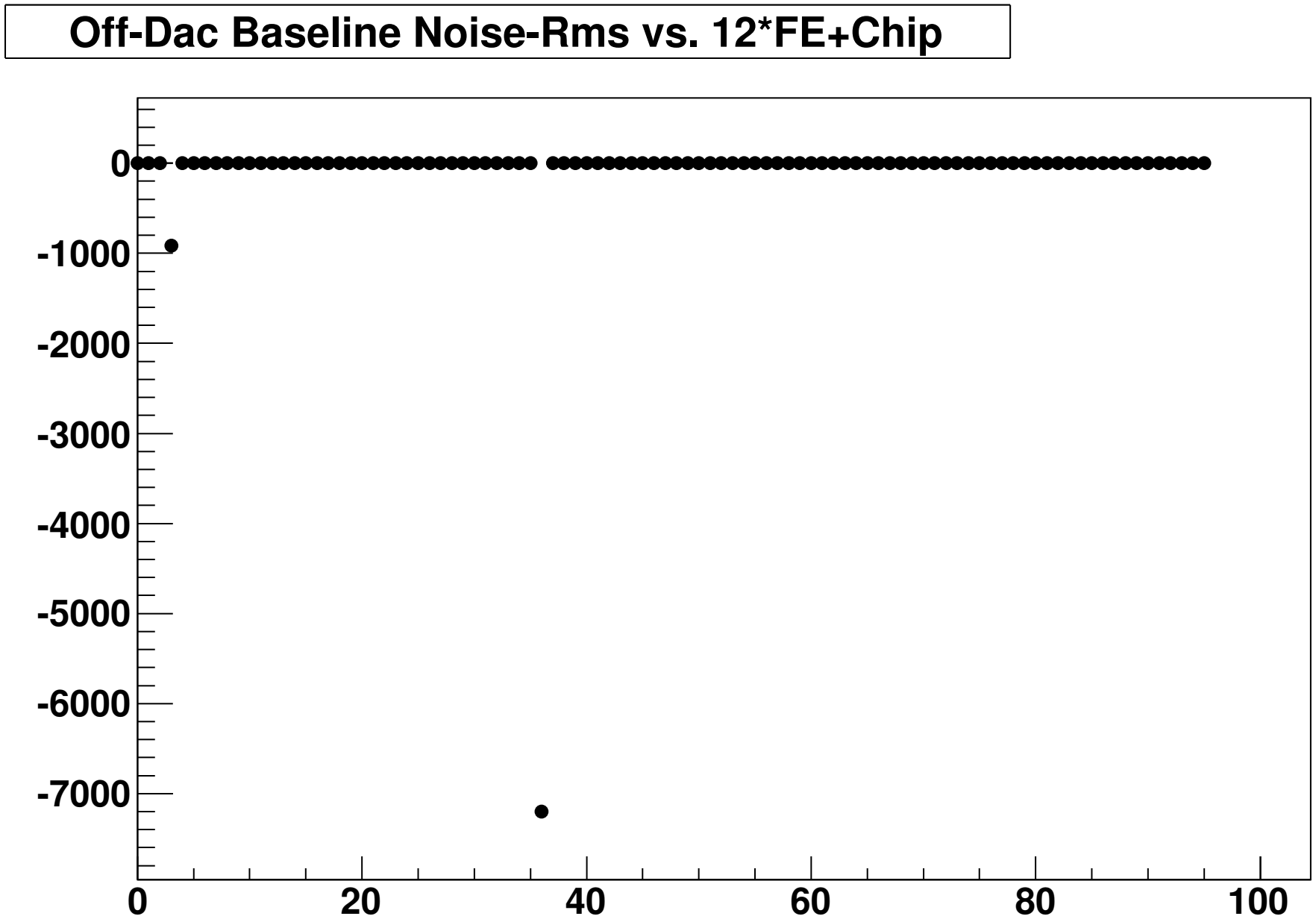

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
20
15
10
5
0
-5
-10
-15
-20
0
20
40
60
80
100


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


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


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


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


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