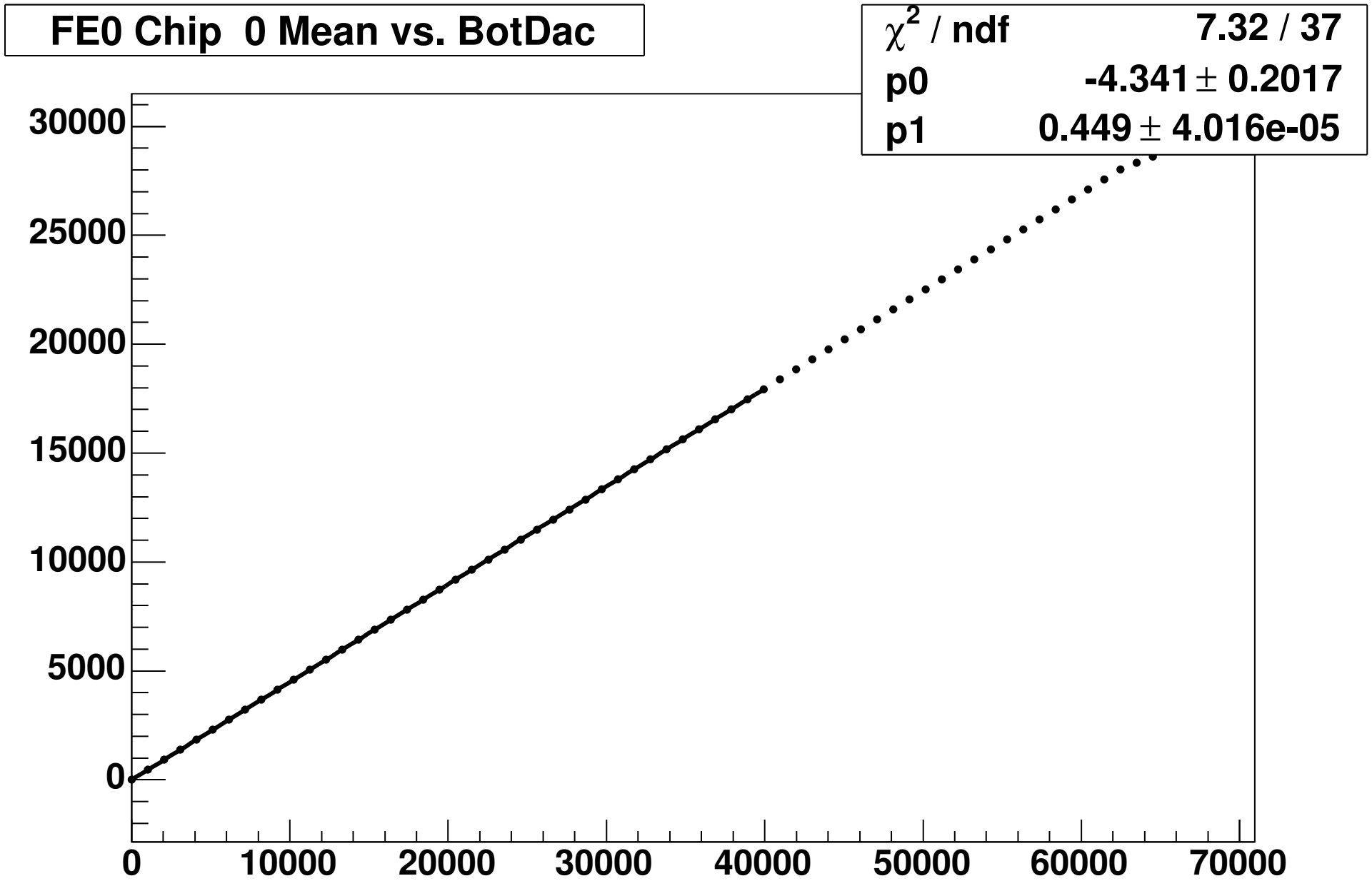
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 7.32 / 37
p0 -4.341 ± 0.2017
p1 0.449 ± 4.016e-05
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20000
15000
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5000
0
0
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20000
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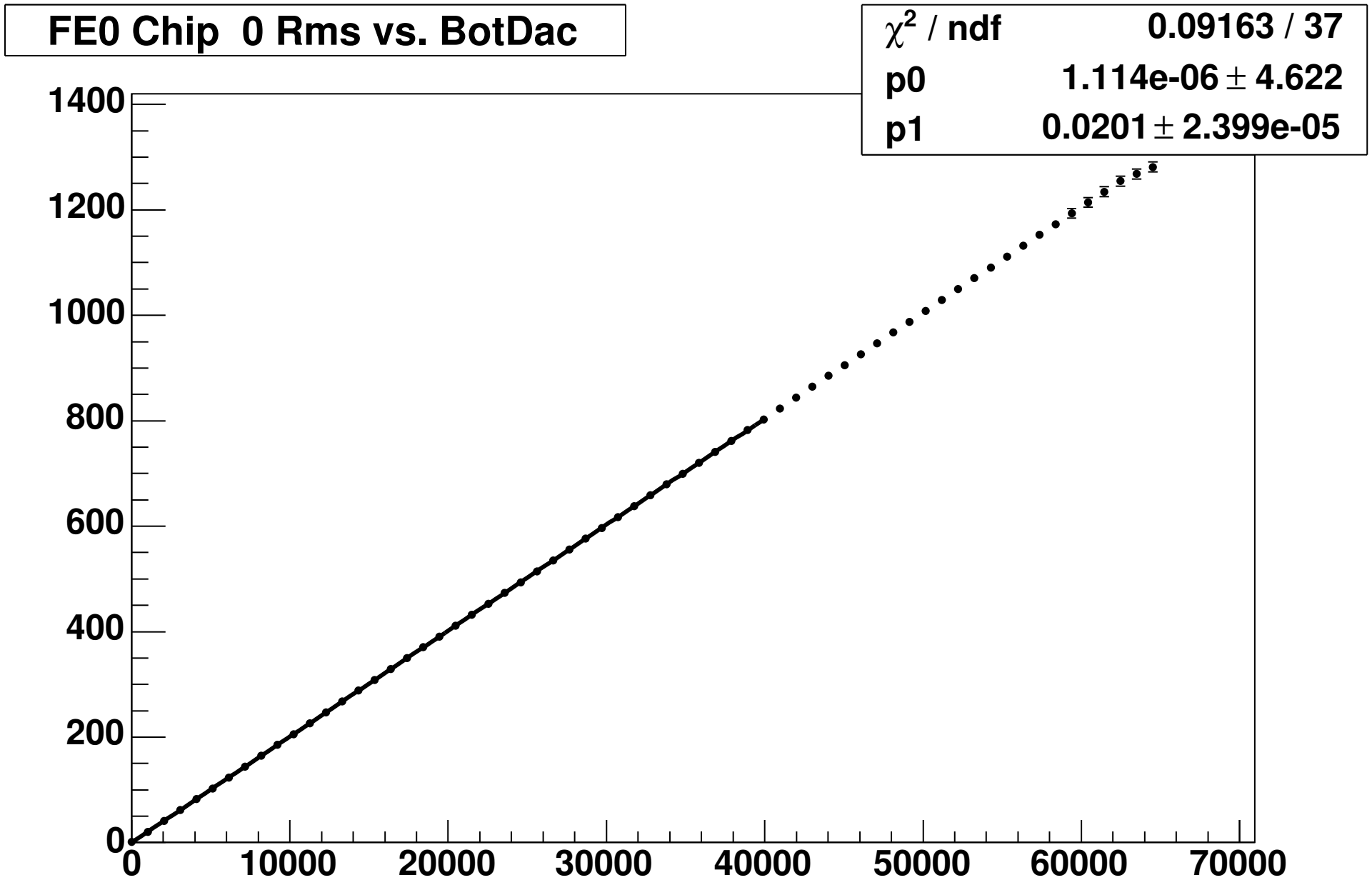
FE0 Chip 0 Rms vs. BotDac
χ² / ndf 0.09163 / 37
p0 1.114e-06 ± 4.622
p1 0.0201 ± 2.399e-05
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1000
800
600
400
200
0
0
10000
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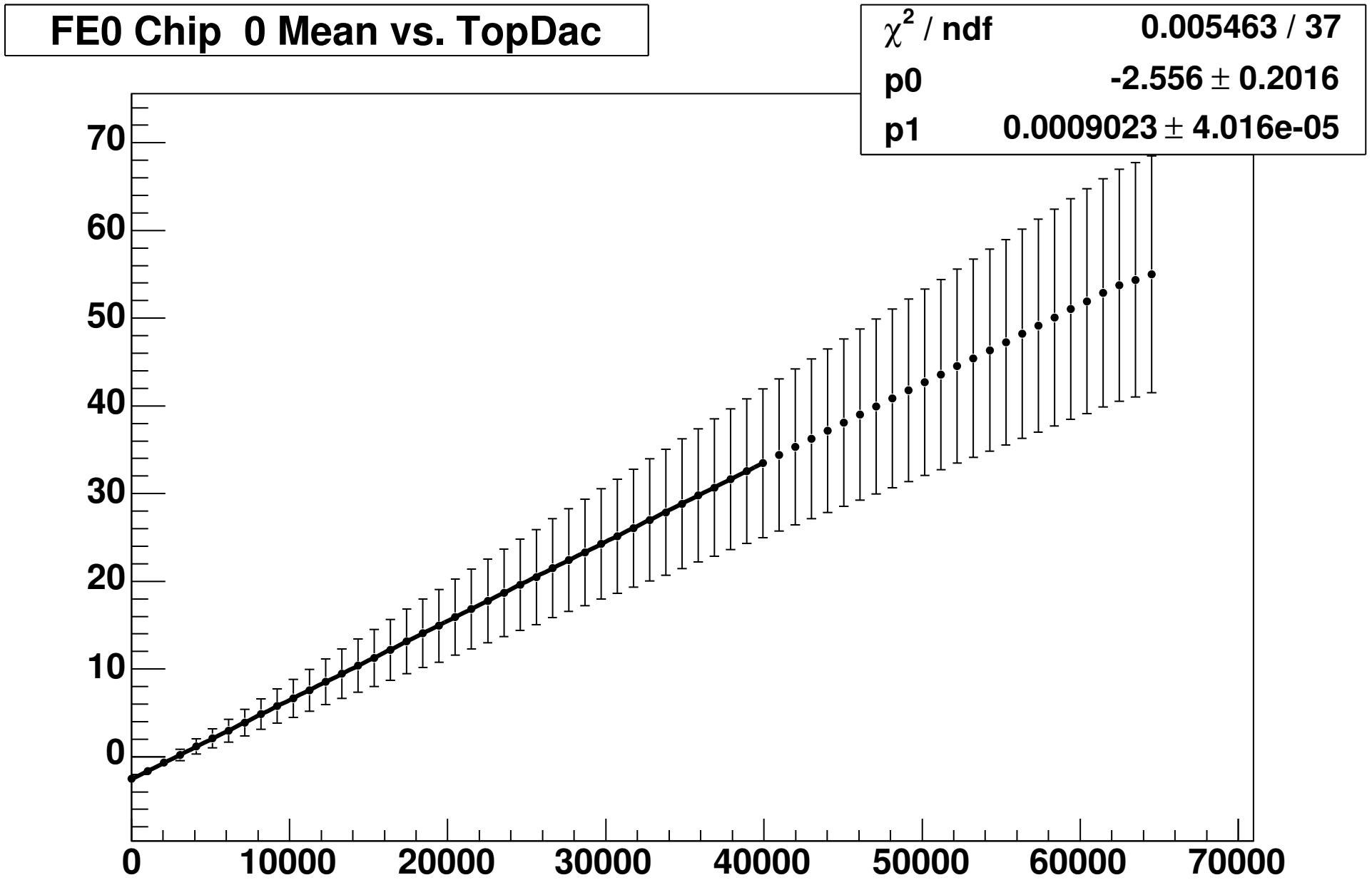
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 0.005463 / 37
p0 -2.556 ± 0.2016
p1 0.0009023 ± 4.016e-05
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60
50
40
30
20
10
0
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20000
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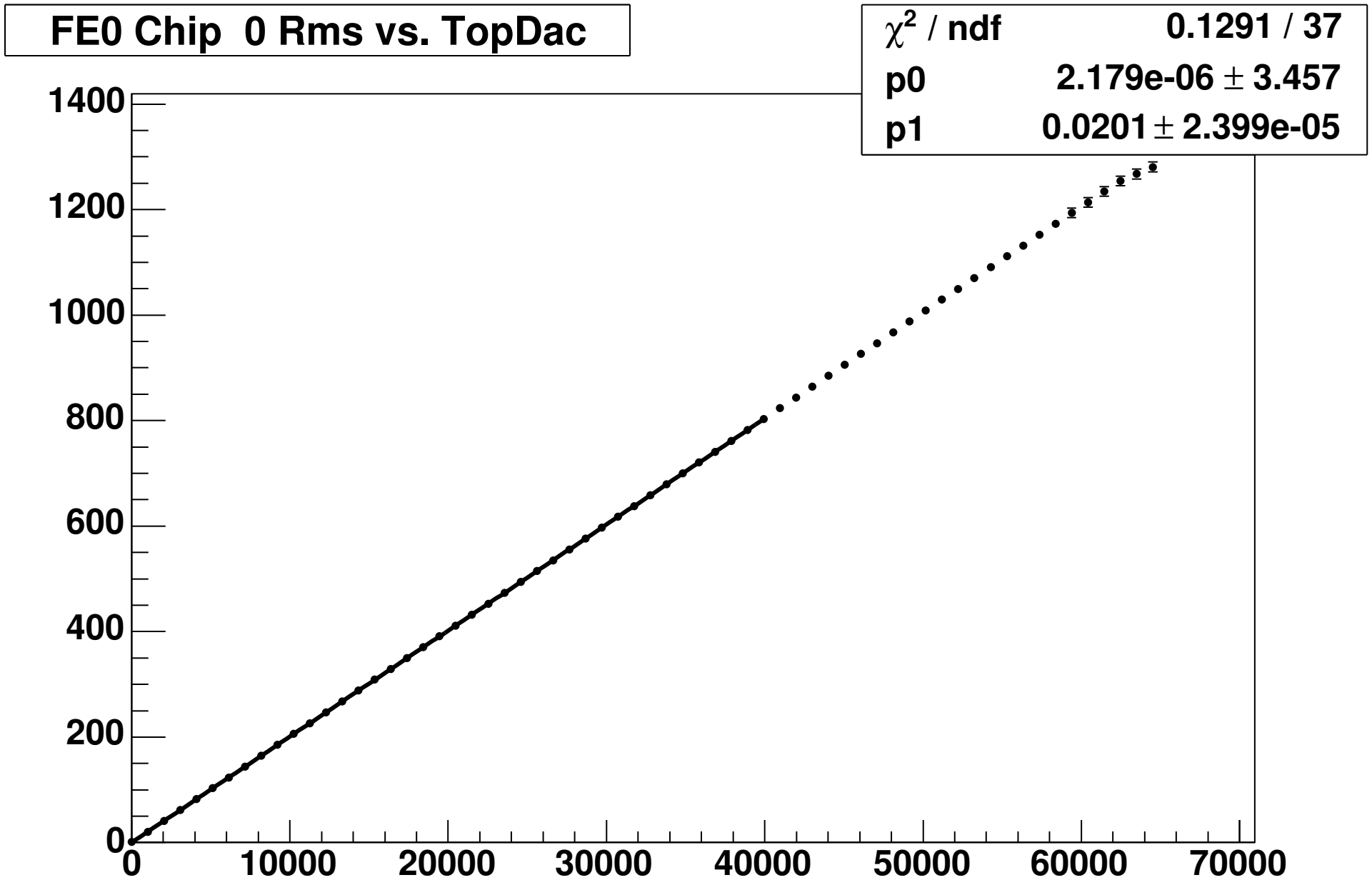
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 0.1291 / 37
p0 2.179e-06 ± 3.457
p1 0.0201 ± 2.399e-05
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1000
800
600
400
200
0
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10000
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30000
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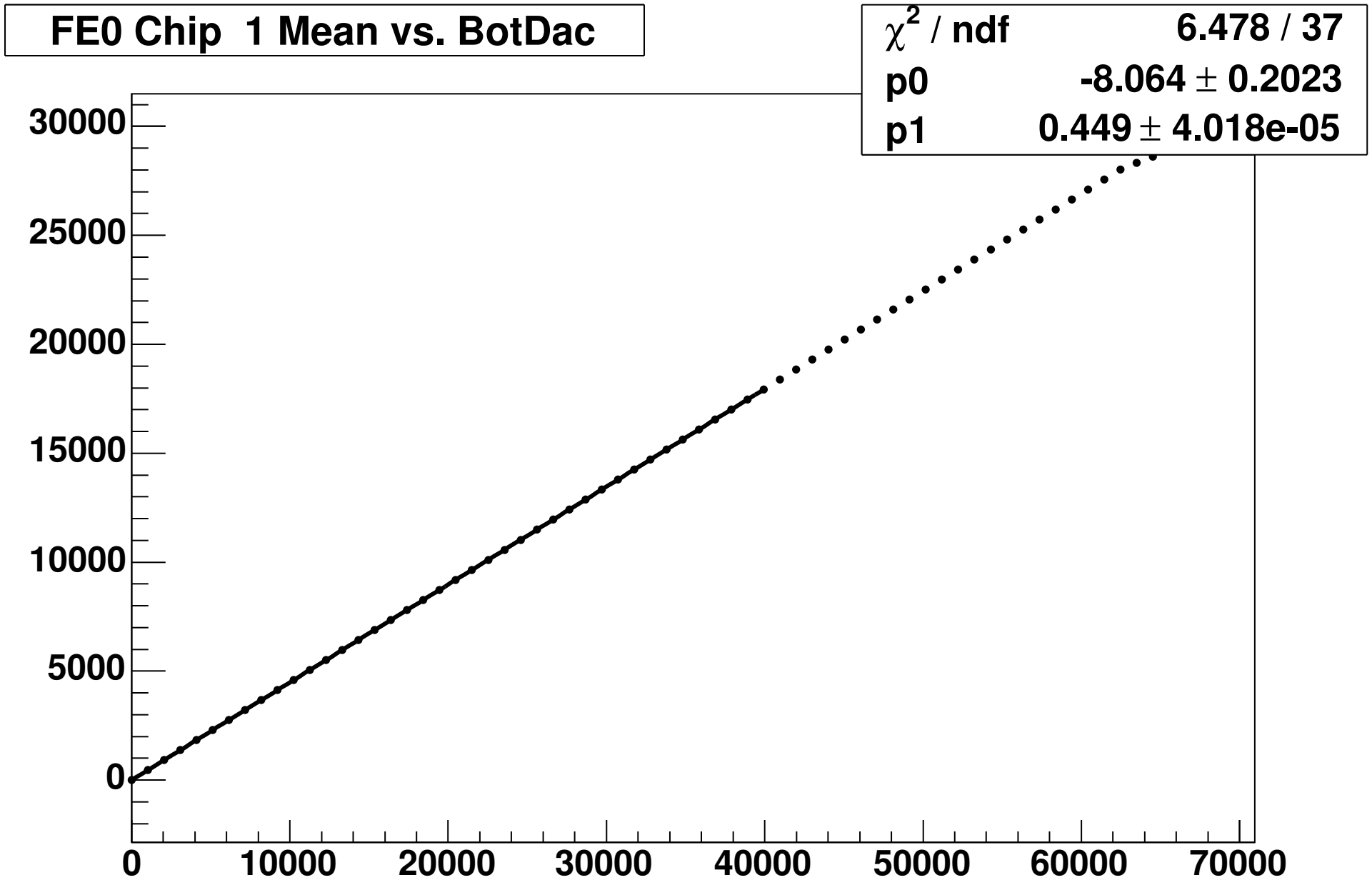
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 6.478 / 37
p0 -8.064 ± 0.2023
p1 0.449 ± 4.018e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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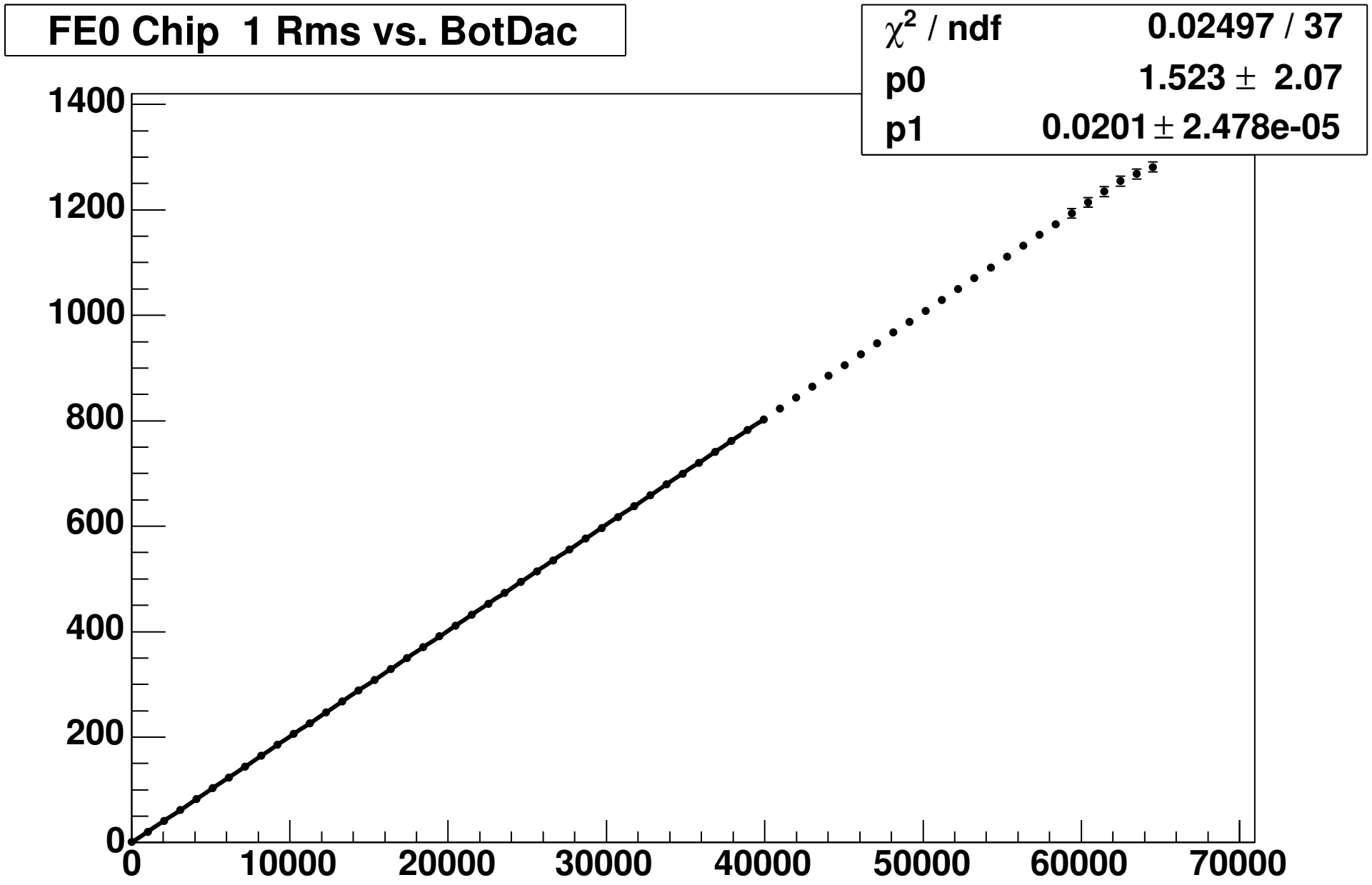
FE0 Chip 1 Rms vs. BotDac
χ² / ndf 0.02497 / 37
p0 1.523 ± 2.07
p1 0.0201 ± 2.478e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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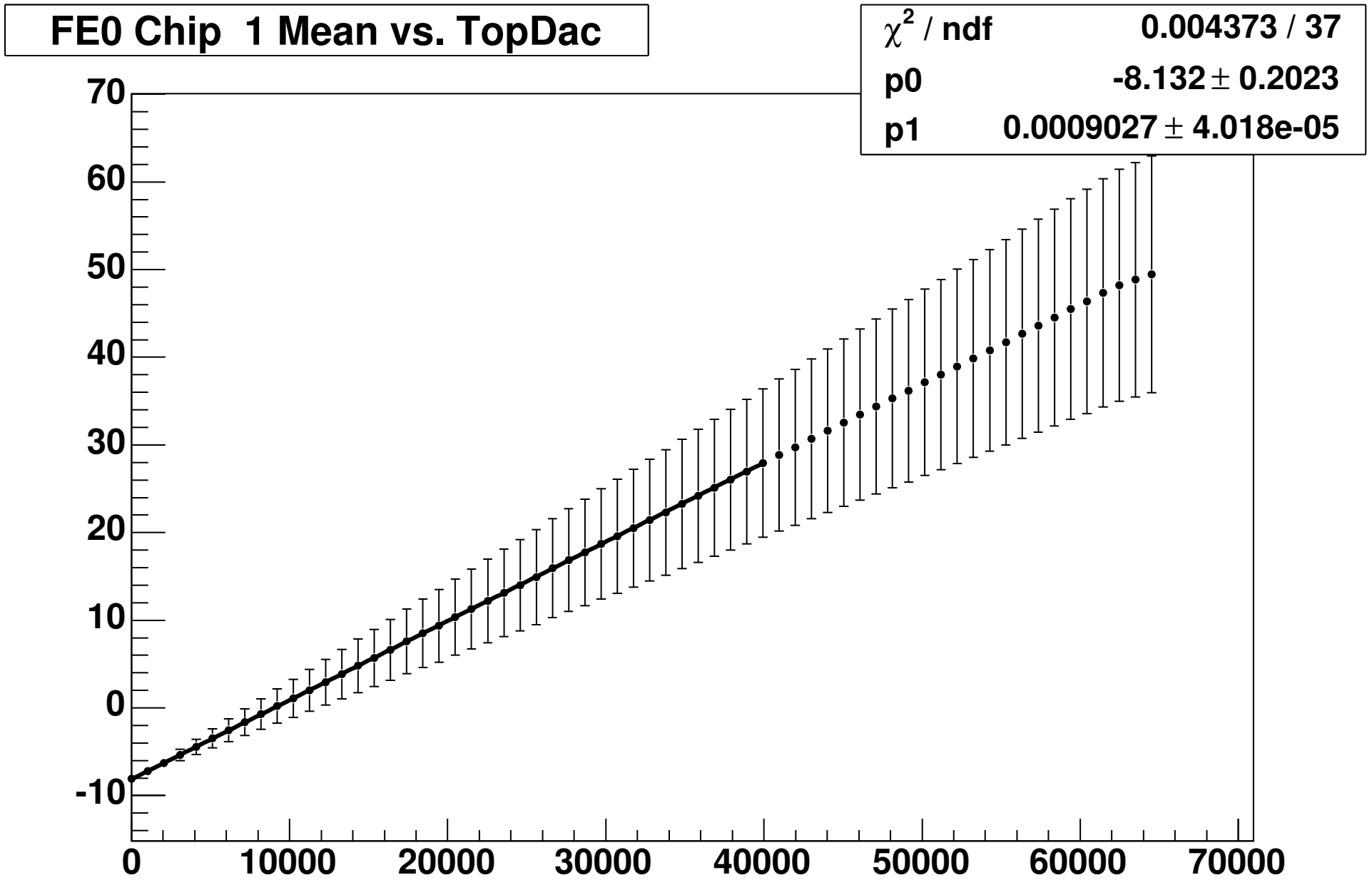
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 0.004373 / 37
p0 -8.132 ± 0.2023
p1 0.0009027 ± 4.018e-05
70
60
50
40
30
20
10
0
-10
0
10000
20000
30000
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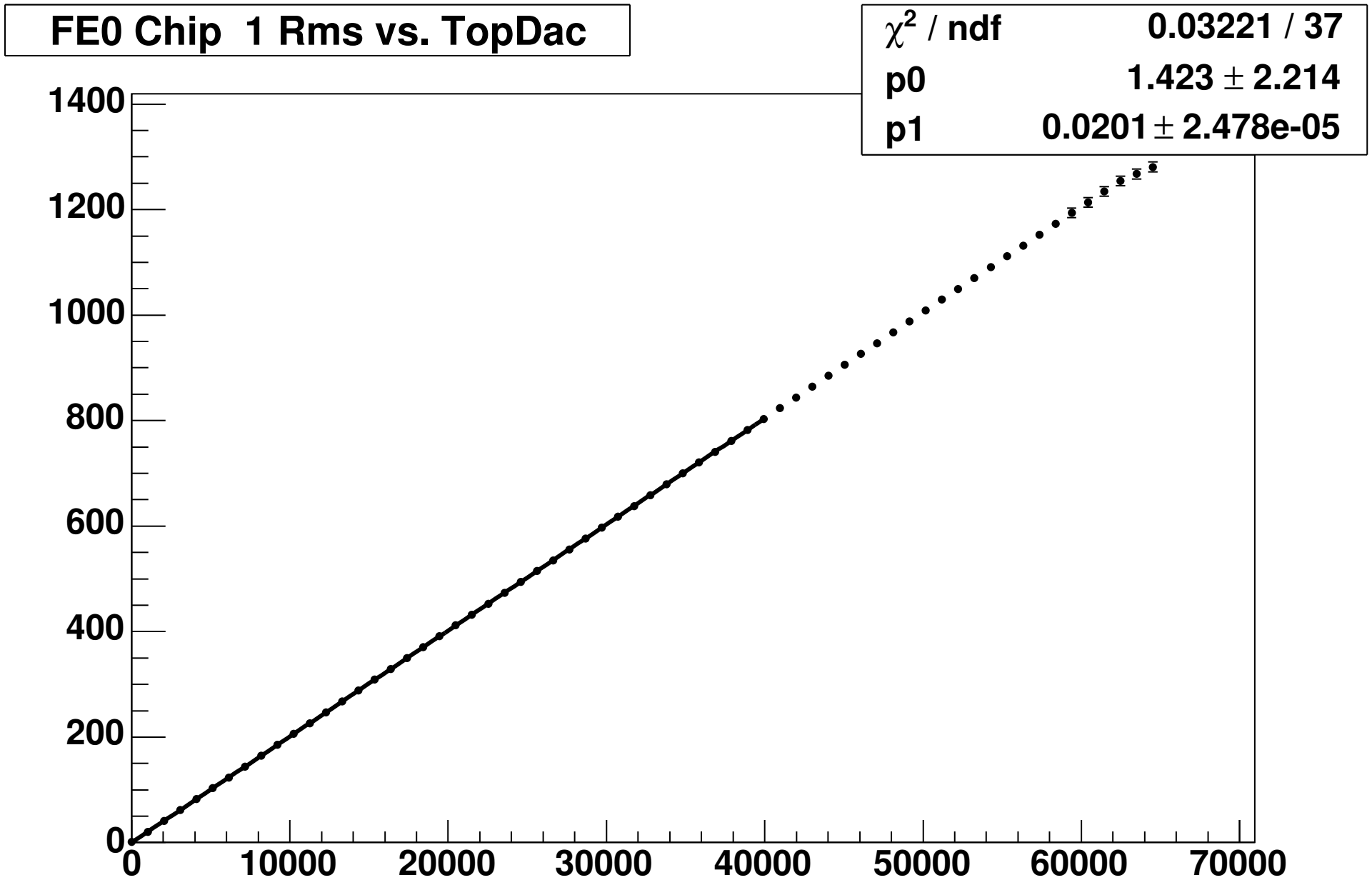
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 0.03221 / 37
p0 1.423 ± 2.214
p1 0.0201 ± 2.478e-05
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1200
1000
800
600
400
200
0
0
10000
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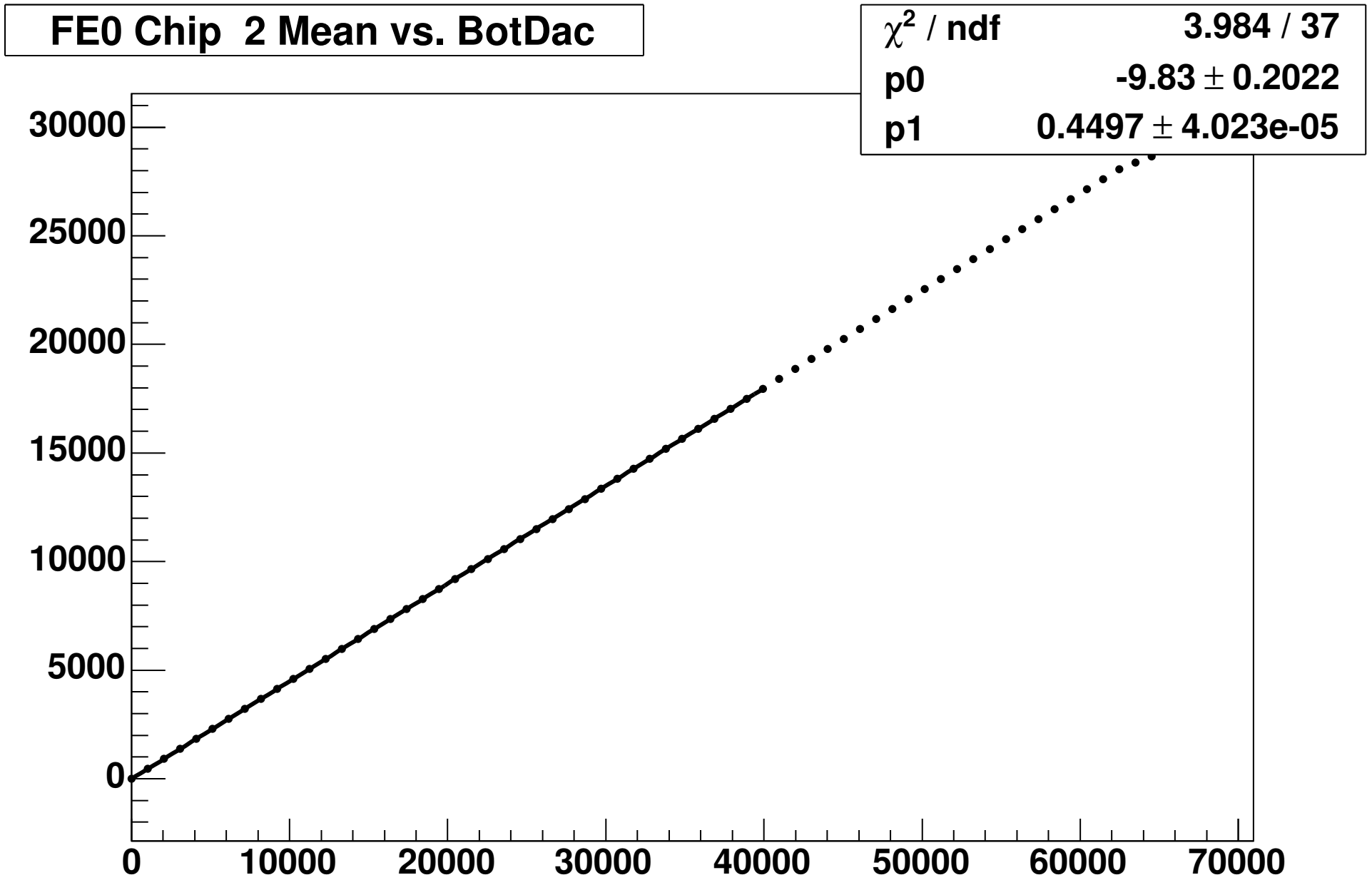
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 3.984 / 37
p0 -9.83 ± 0.2022
p1 0.4497 ± 4.023e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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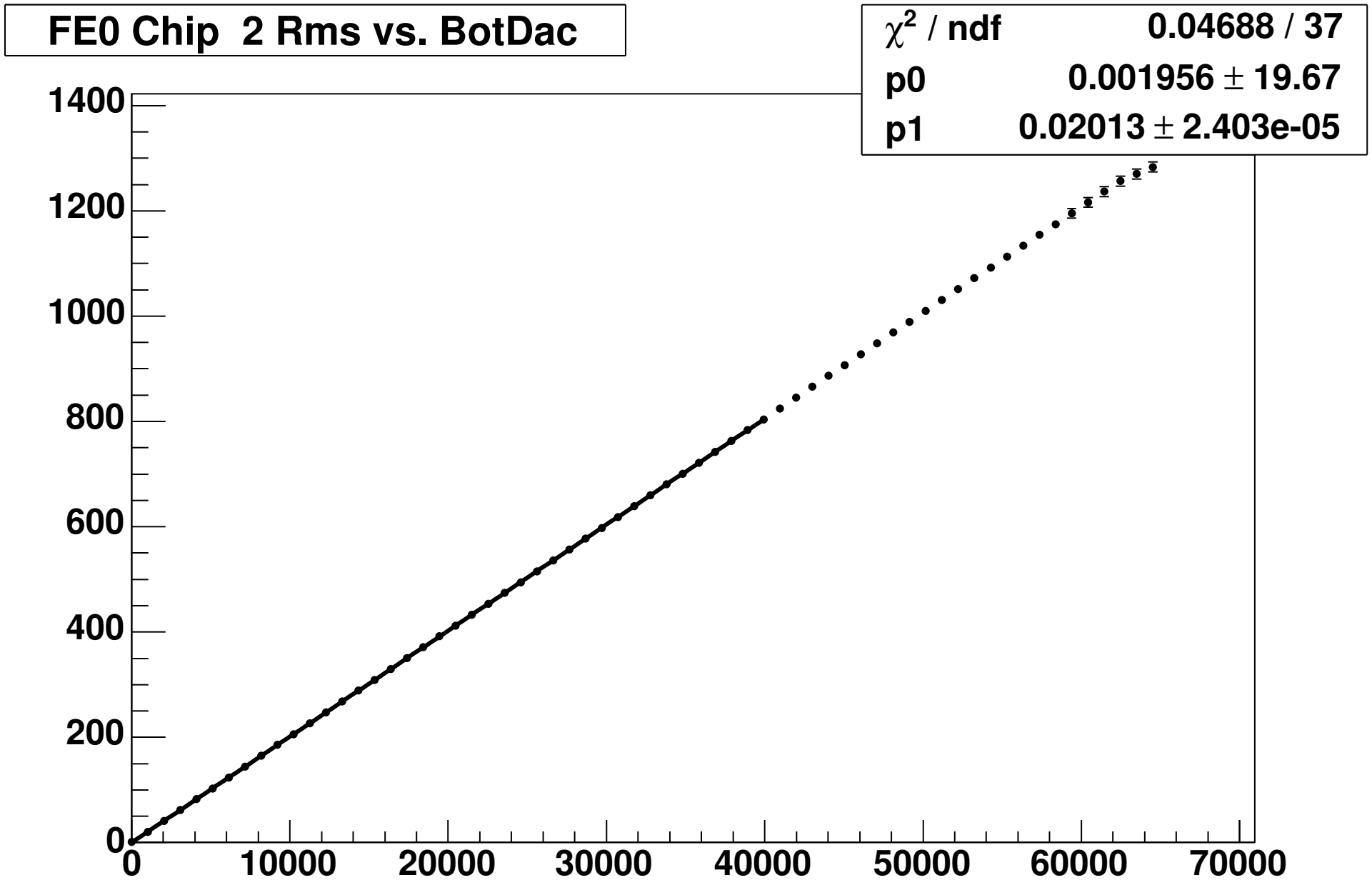
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 0.04688 / 37
p0 0.001956 ± 19.67
p1 0.02013 ± 2.403e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
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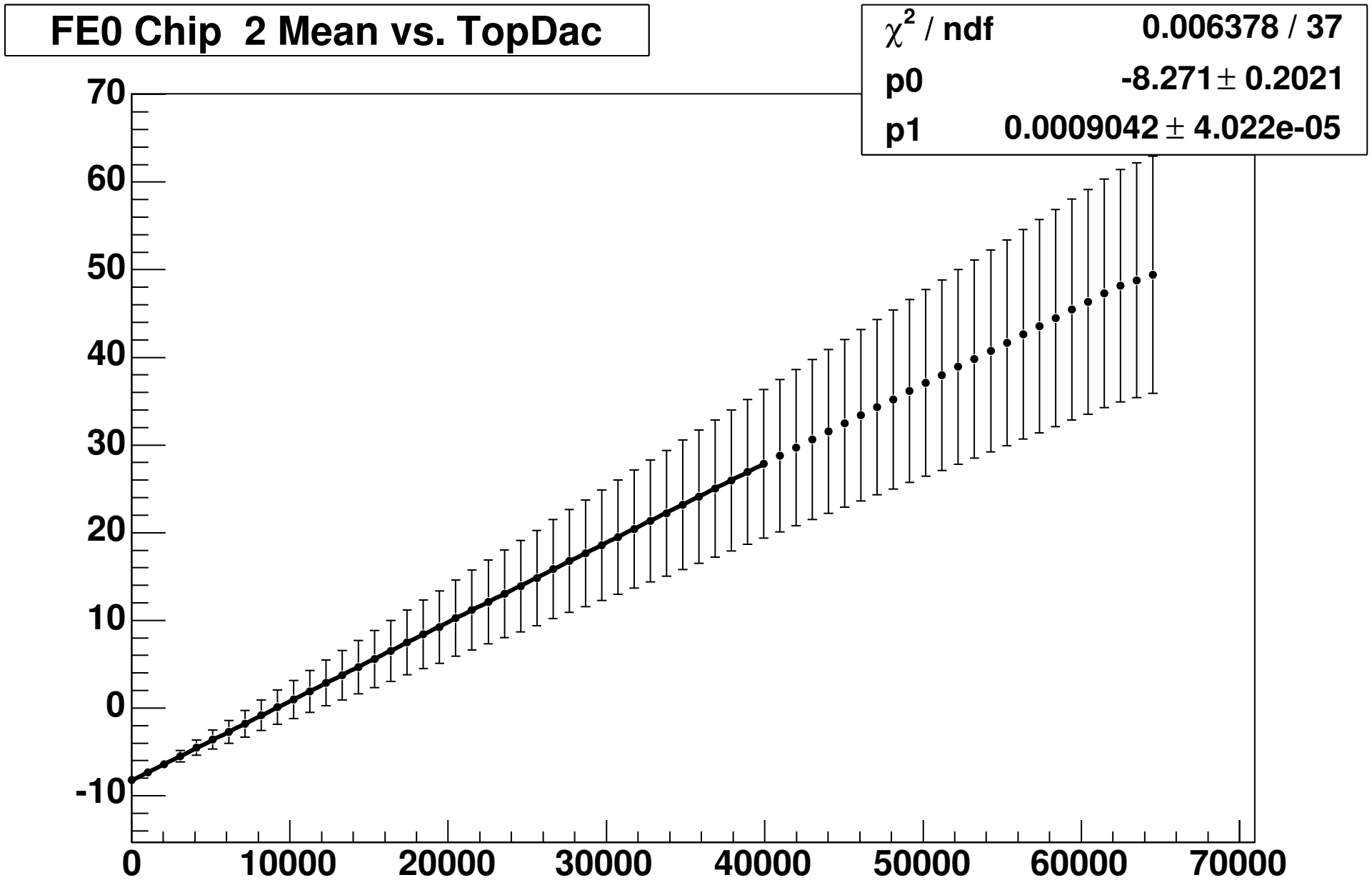
FE0 Chip 2 Mean vs. TopDac
χ² / ndf 0.006378 / 37
p0 -8.271 ± 0.2021
p1 0.0009042 ± 4.022e-05
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60
50
40
30
20
10
0
-10
0
10000
20000
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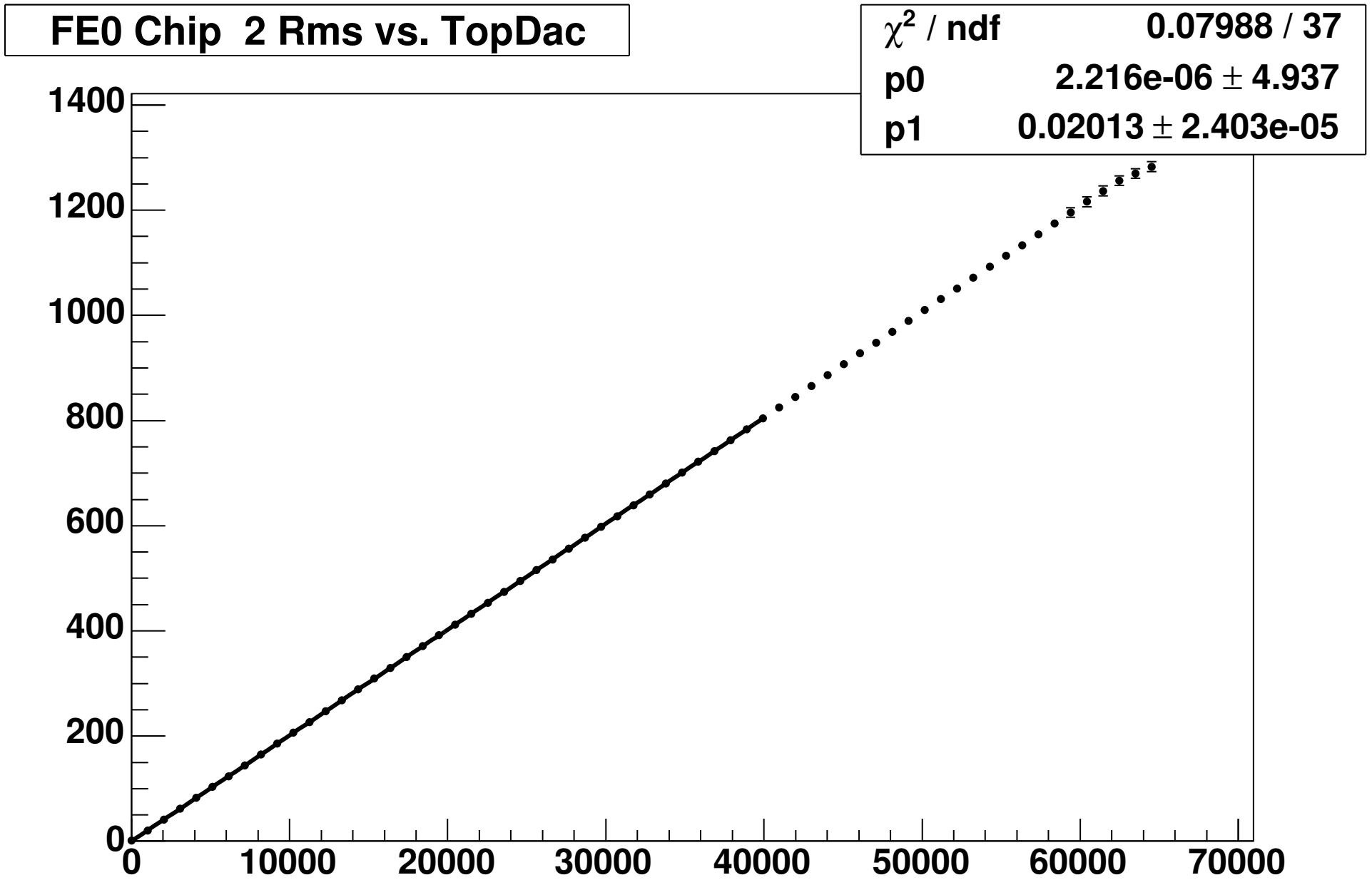
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 0.07988 / 37
p0 2.216e-06 ± 4.937
p1 0.02013 ± 2.403e-05
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1200
1000
800
600
400
200
0
0
10000
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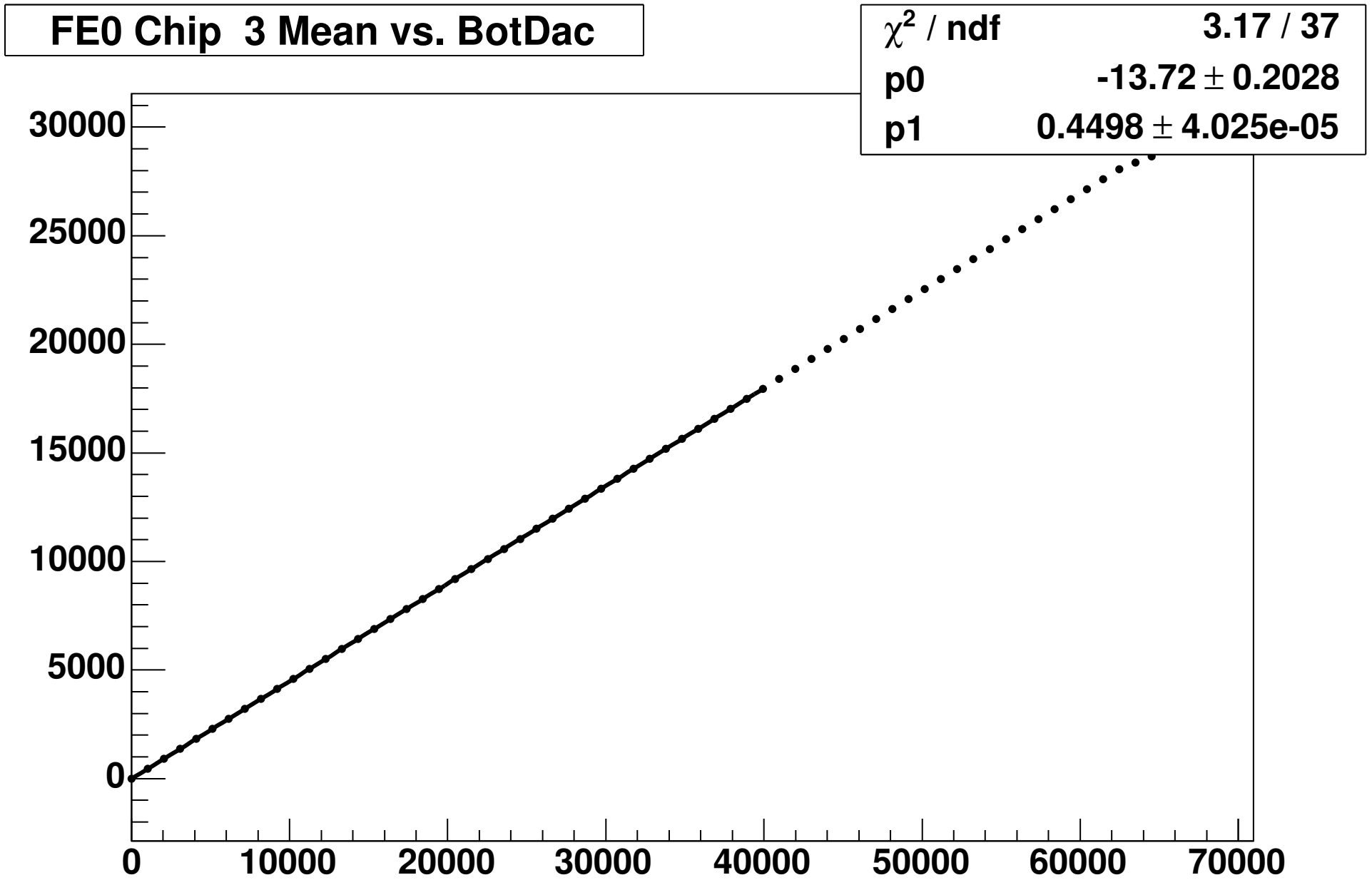
FE0 Chip 3 Mean vs. BotDac
χ² / ndf 3.17 / 37
p0 -13.72 ± 0.2028
p1 0.4498 ± 4.025e-05
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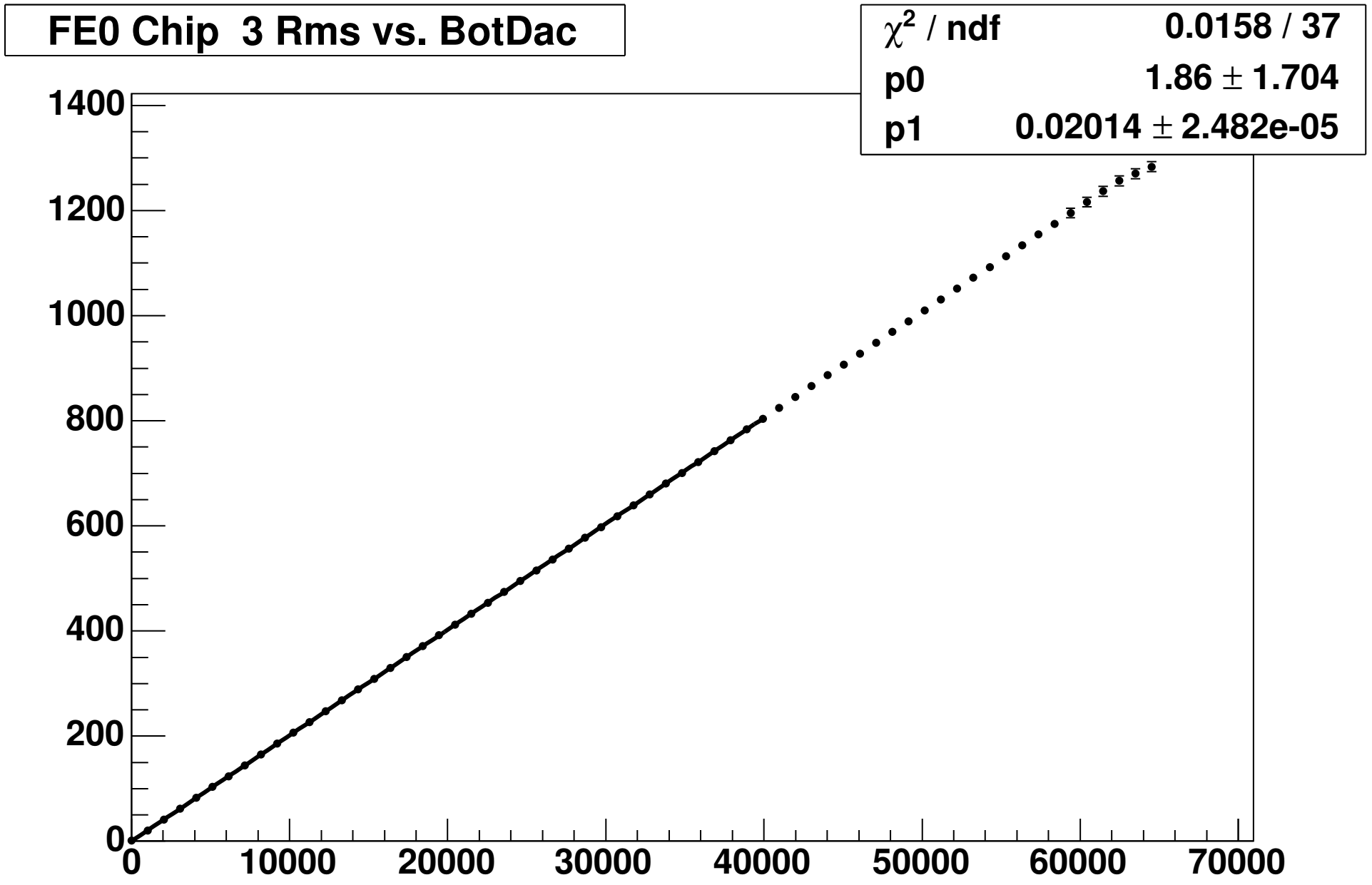
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 0.0158 / 37
p0 1.86 ± 1.704
p1 0.02014 ± 2.482e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
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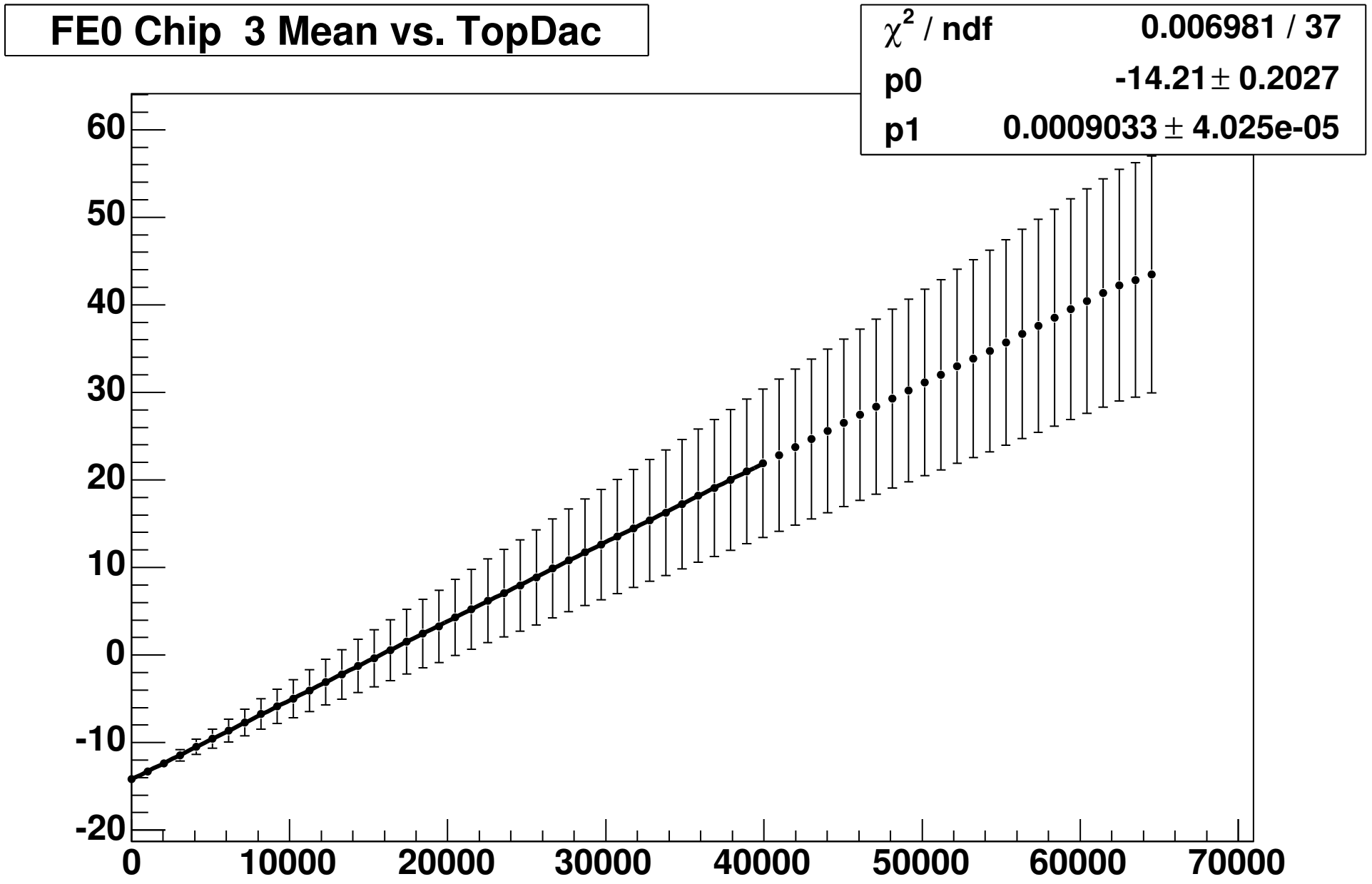
FE0 Chip 3 Mean vs. TopDac
χ² / ndf 0.006981 / 37
p0 -14.21 ± 0.2027
p1 0.0009033 ± 4.025e-05
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50
40
30
20
10
0
-10
-20
0
10000
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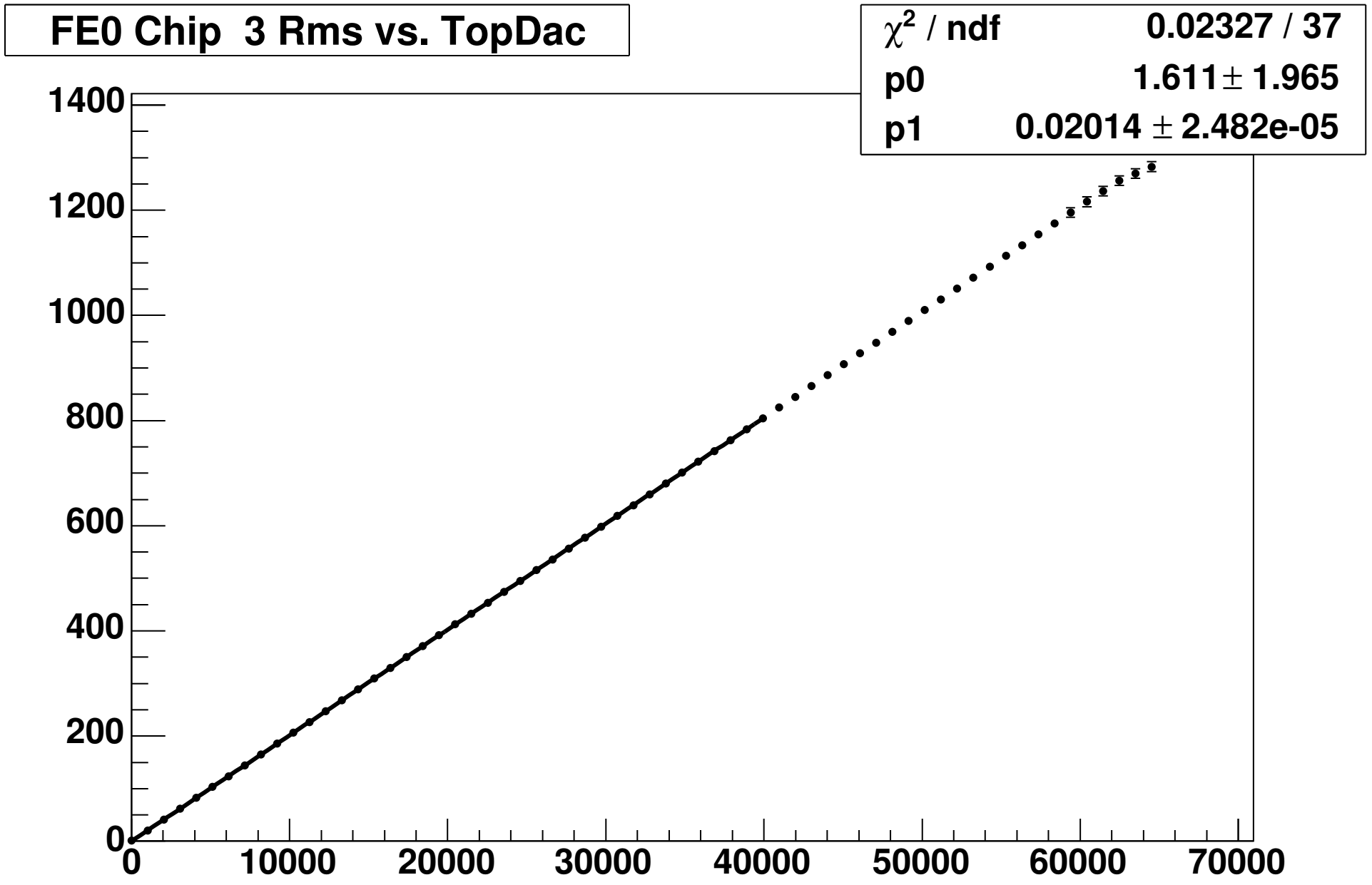
FE0 Chip 3 Rms vs. TopDac
χ² / ndf 0.02327 / 37
p0 1.611 ± 1.965
p1 0.02014 ± 2.482e-05
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1000
800
600
400
200
0
0
10000
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50000
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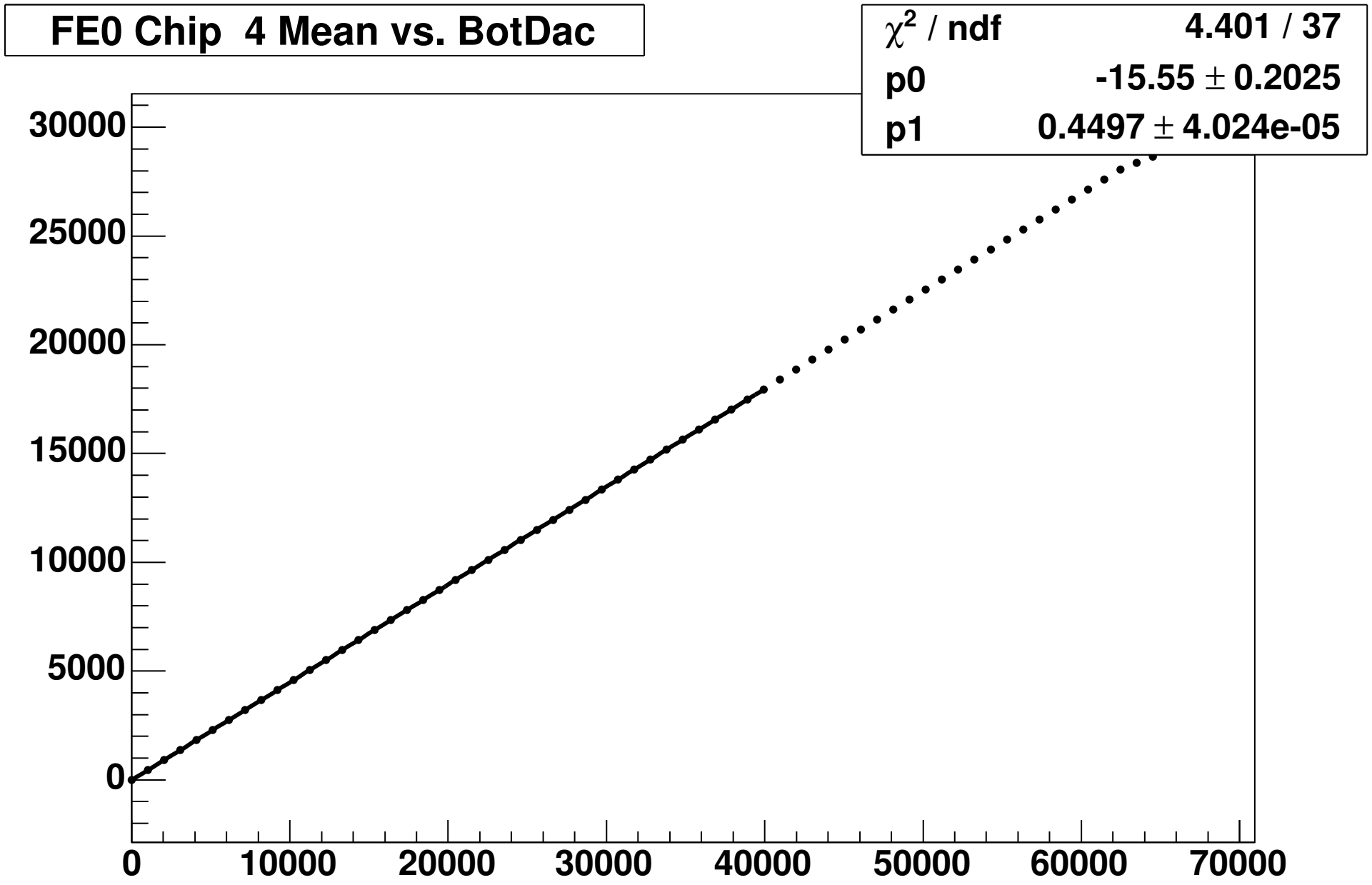
FE0 Chip 4 Mean vs. BotDac
χ² / ndf 4.401 / 37
p0 -15.55 ± 0.2025
p1 0.4497 ± 4.024e-05
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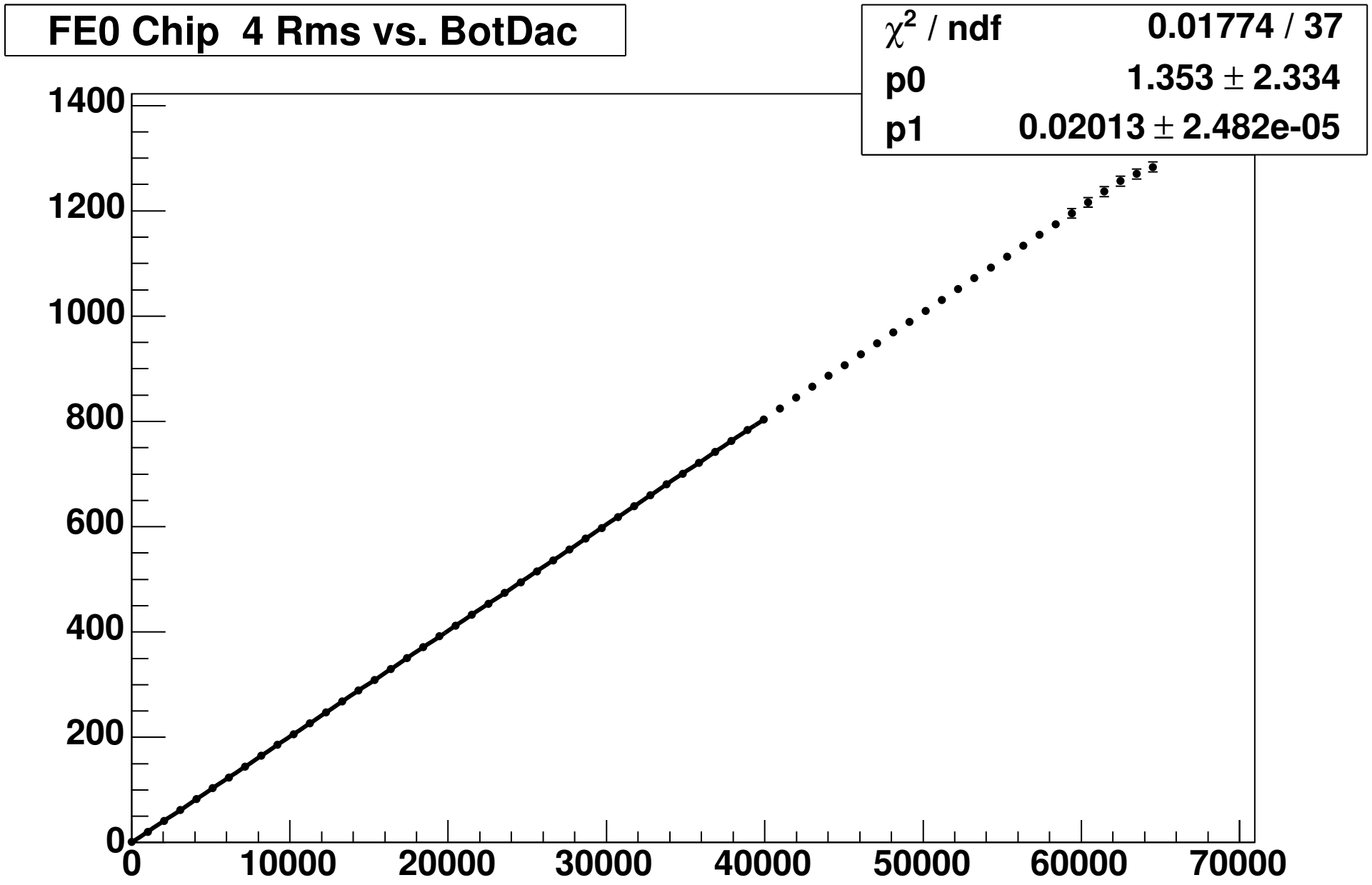
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 0.01774 / 37
p0 1.353 ± 2.334
p1 0.02013 ± 2.482e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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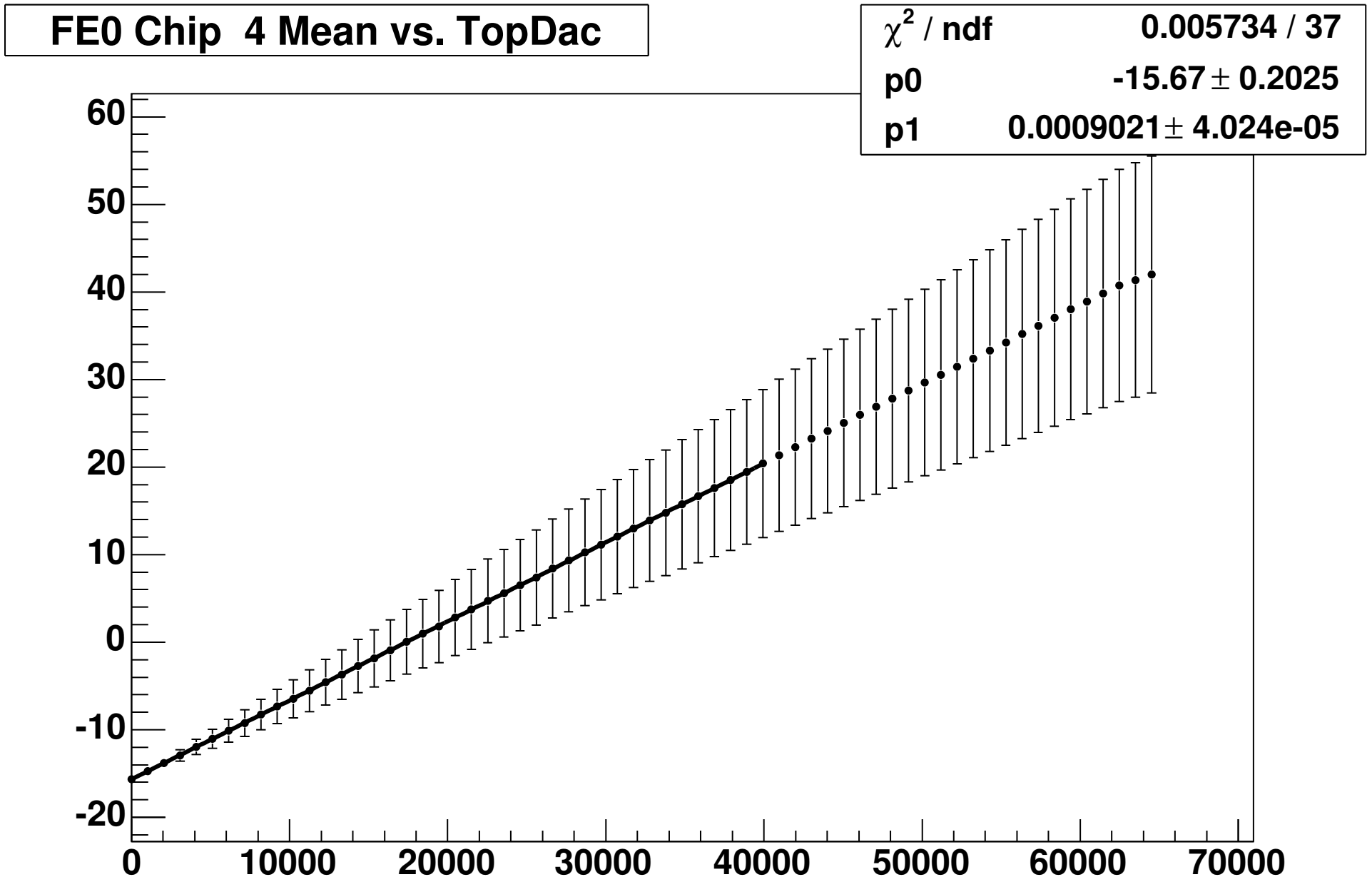
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 0.005734 / 37
p0 -15.67 ± 0.2025
p1 0.0009021 ± 4.024e-05
60
50
40
30
20
10
0
-10
-20
0
10000
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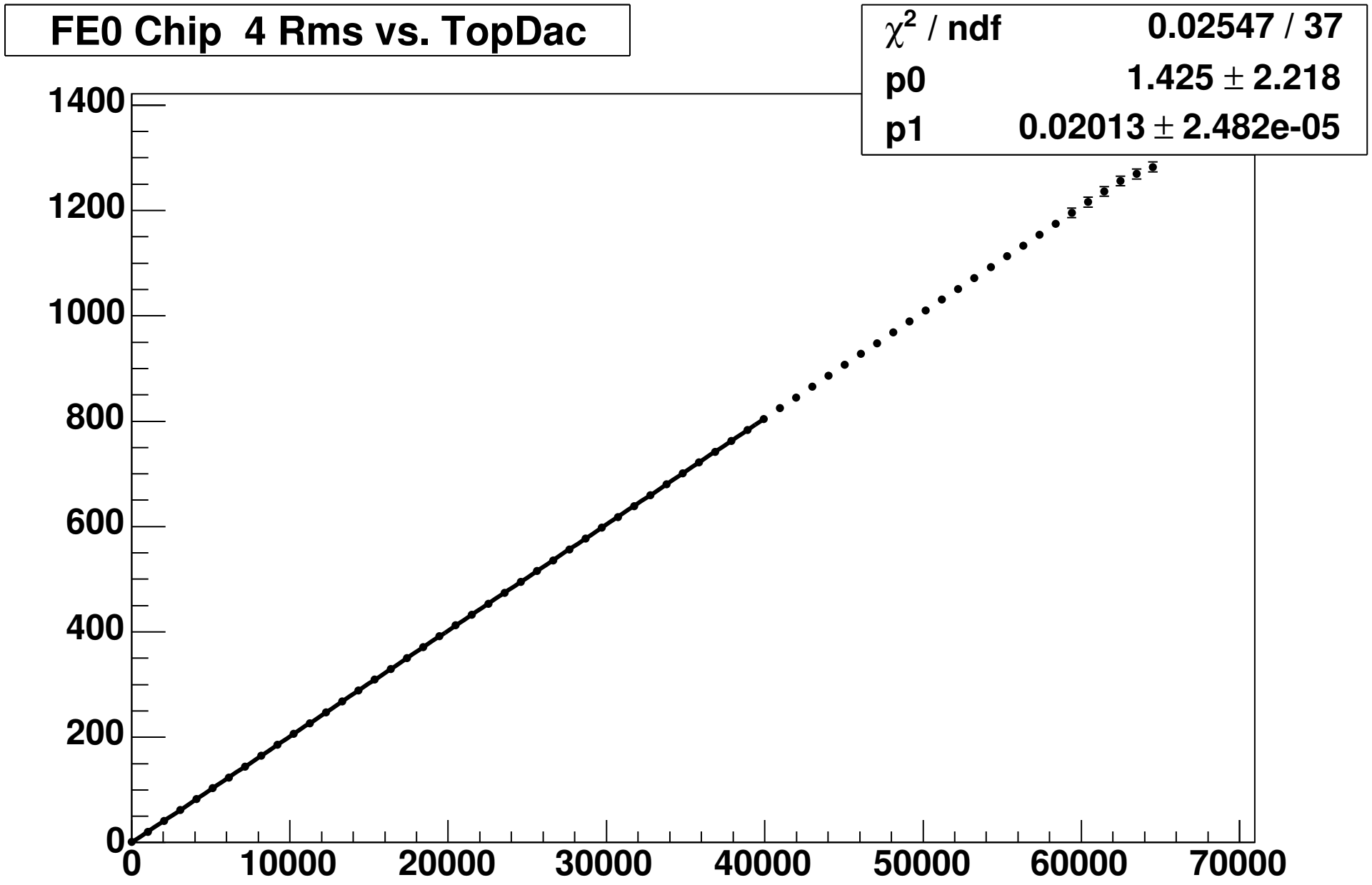
FE0 Chip 4 Rms vs. TopDac
χ² / ndf 0.02547 / 37
p0 1.425 ± 2.218
p1 0.02013 ± 2.482e-05
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1200
1000
800
600
400
200
0
0
10000
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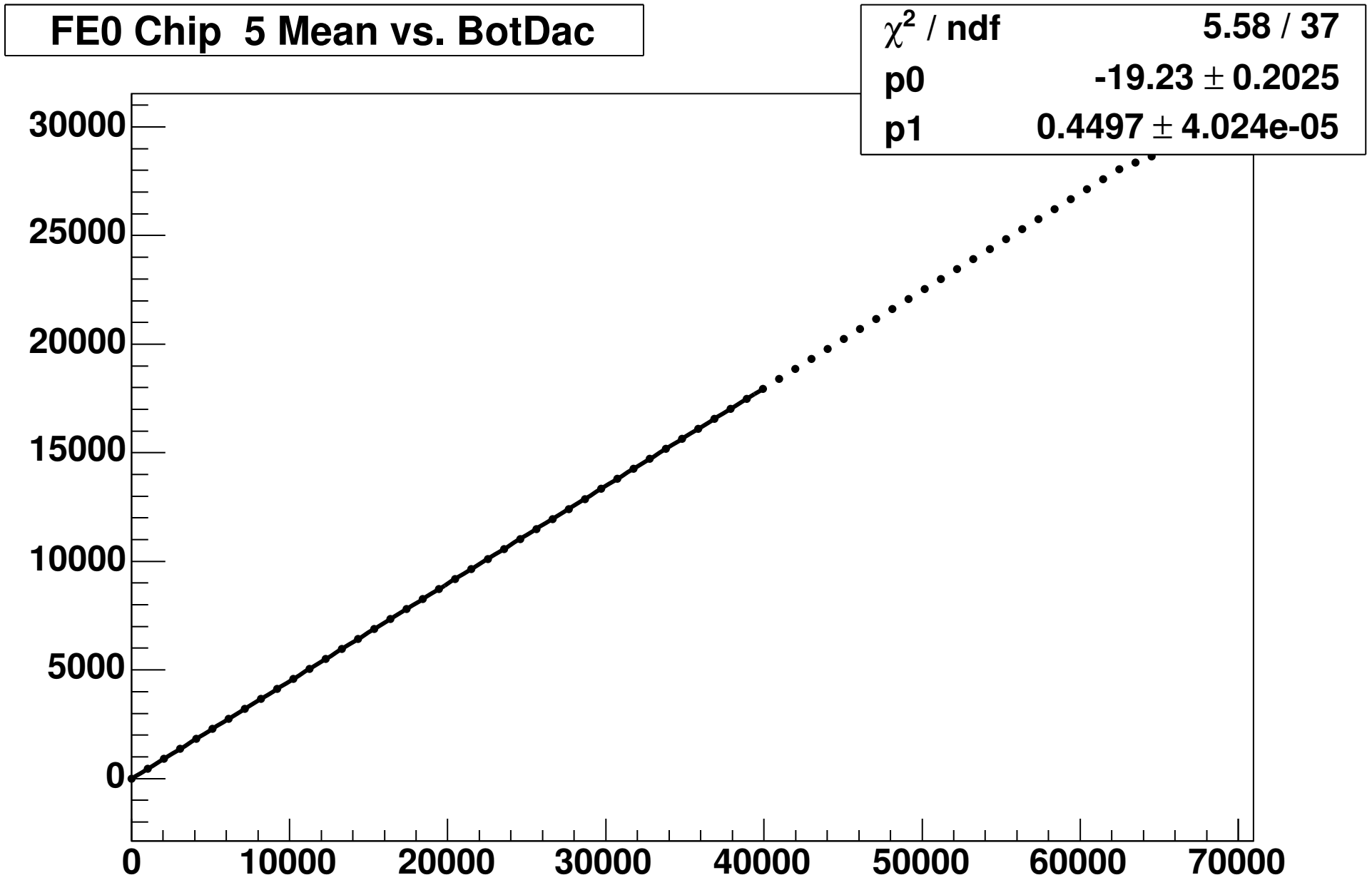
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 5.58 / 37
p0 -19.23 ± 0.2025
p1 0.4497 ± 4.024e-05
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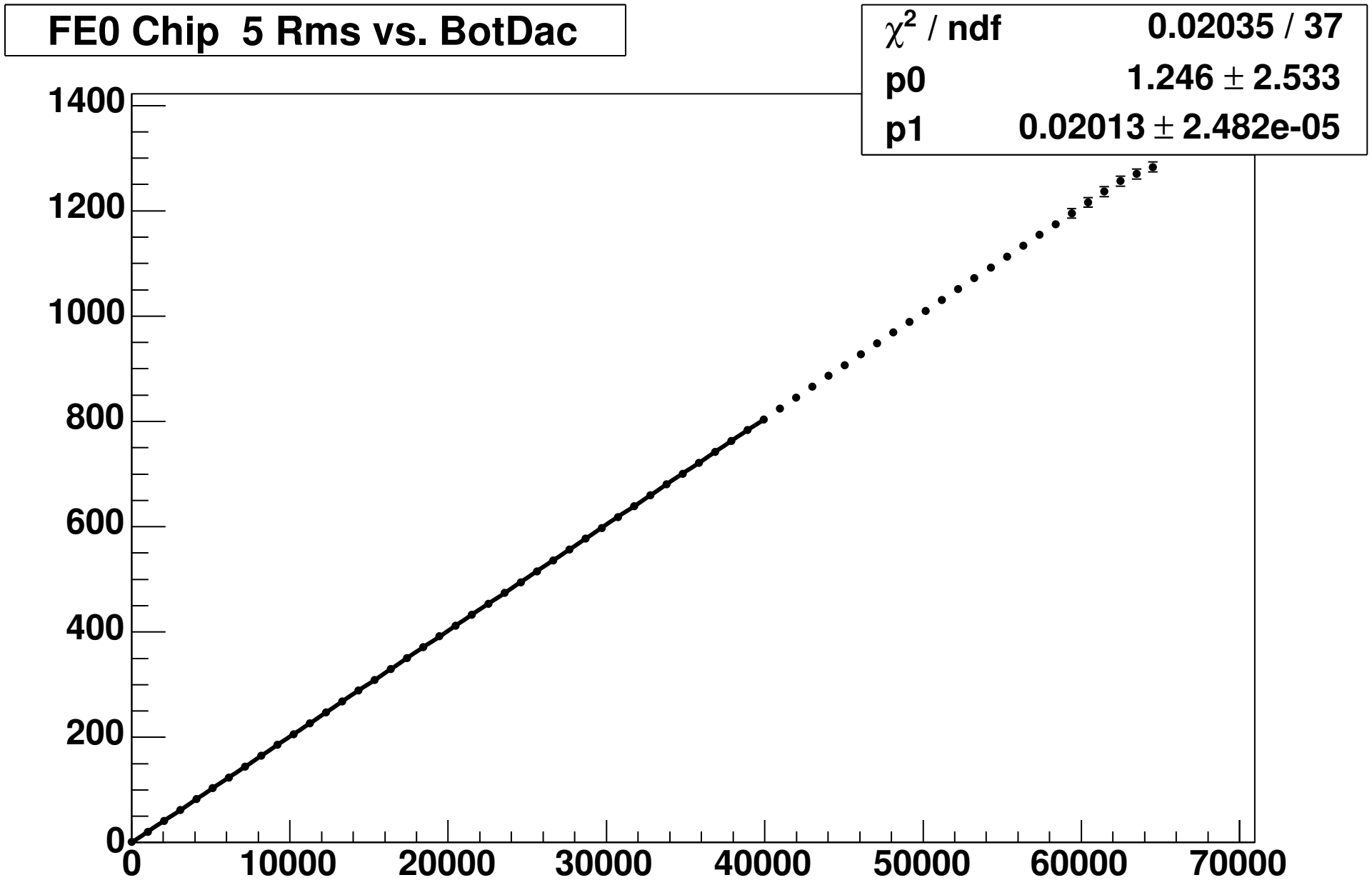
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 0.02035 / 37
p0 1.246 ± 2.533
p1 0.02013 ± 2.482e-05
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1200
1000
800
600
400
200
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20000
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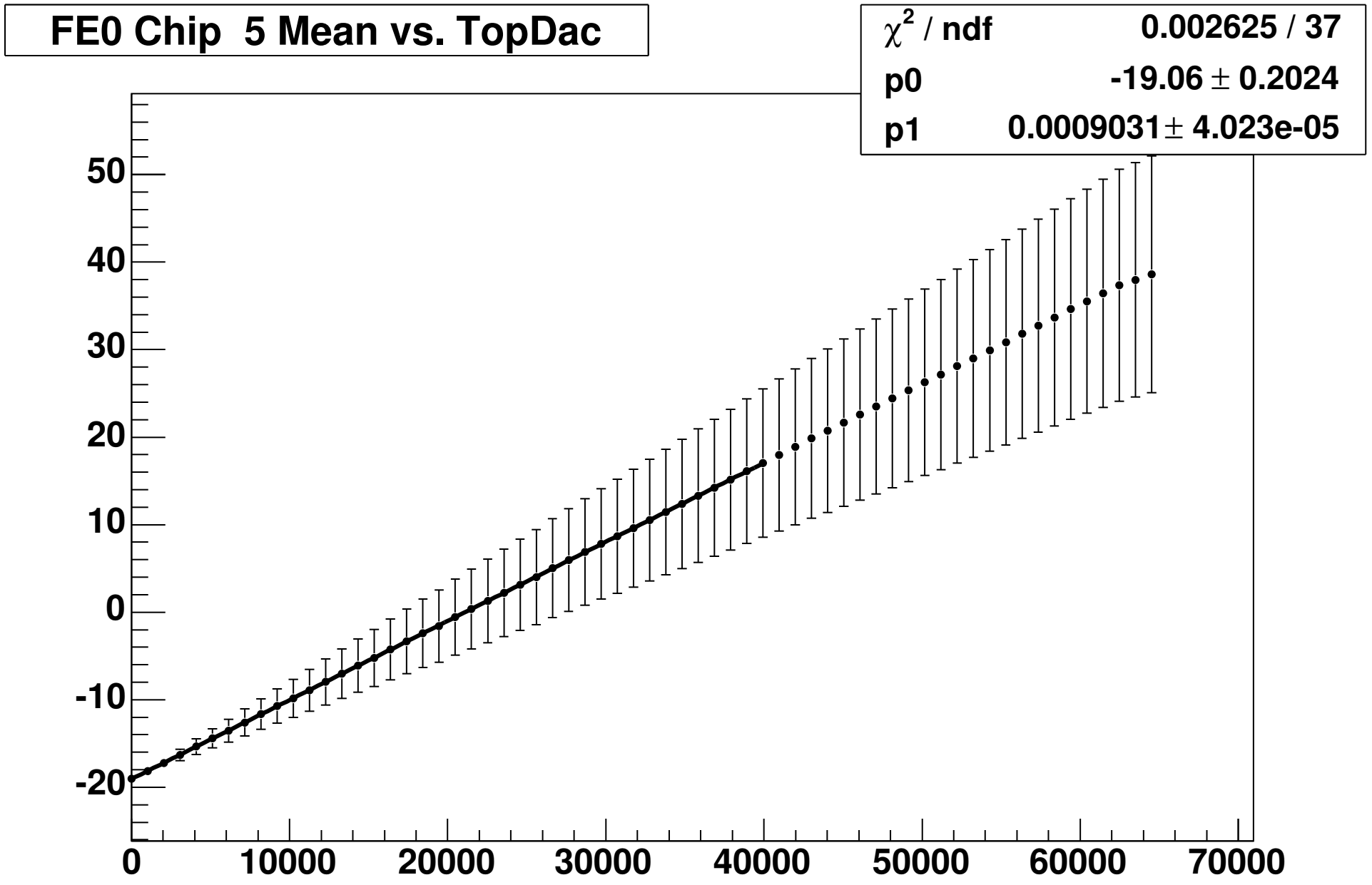
FE0 Chip 5 Mean vs. TopDac
χ² / ndf 0.002625 / 37
p0 -19.06 ± 0.2024
p1 0.0009031 ± 4.023e-05
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40
30
20
10
0
-10
-20
0
10000
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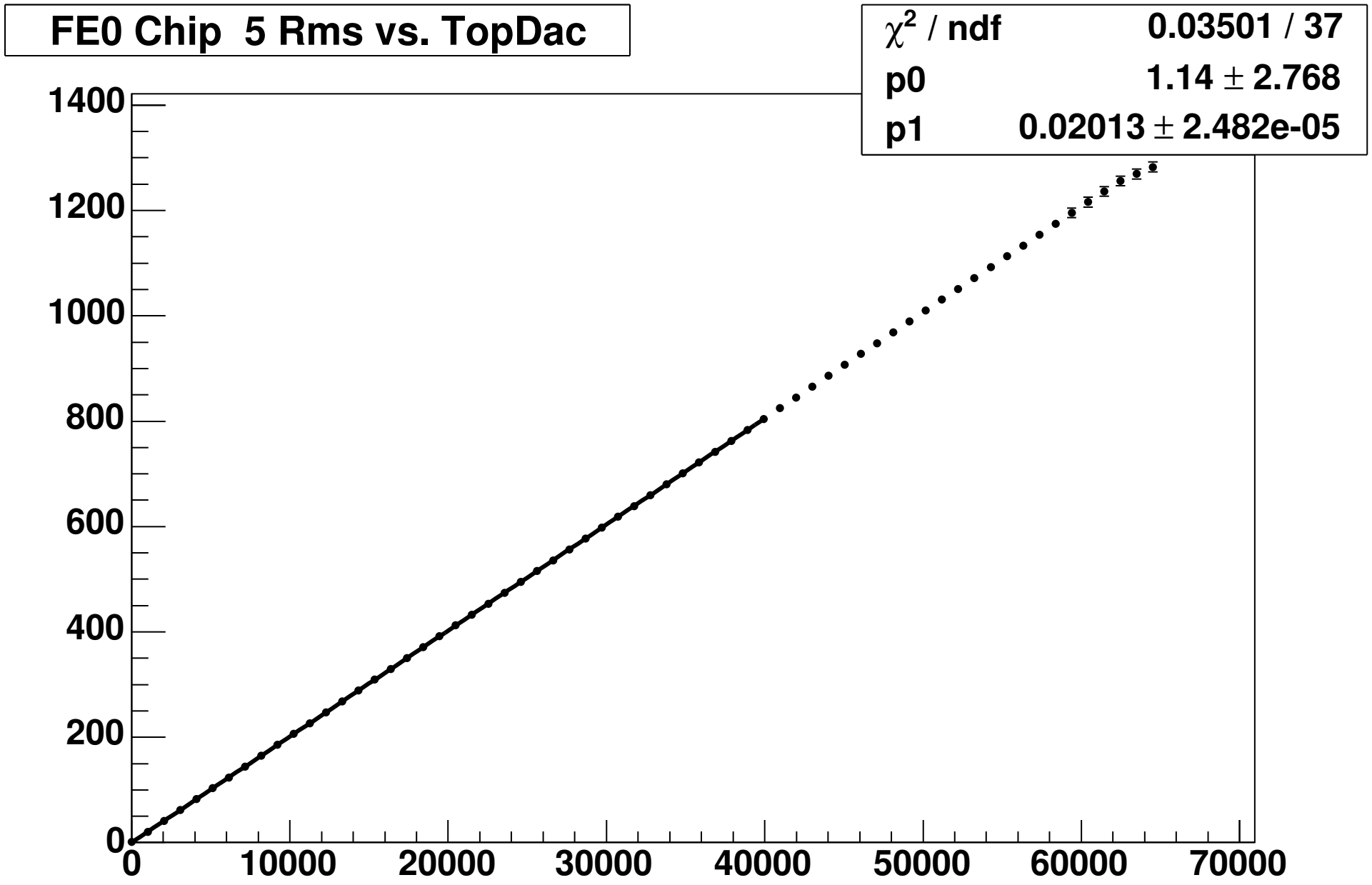
FE0 Chip 5 Rms vs. TopDac
χ² / ndf 0.03501 / 37
p0 1.14 ± 2.768
p1 0.02013 ± 2.482e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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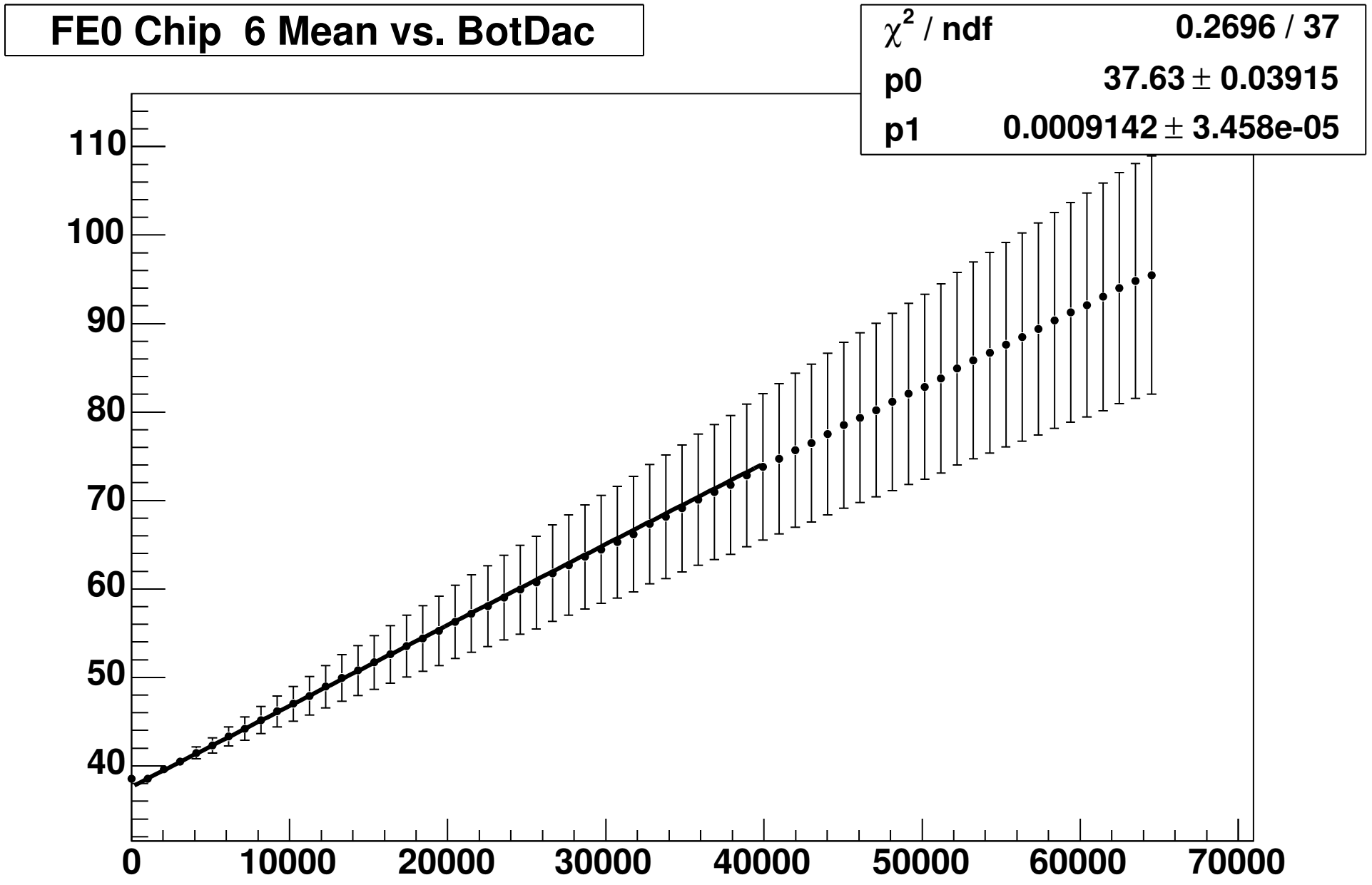
FE0 Chip 6 Mean vs. BotDac
χ² / ndf 0.2696 / 37
p0 37.63 ± 0.03915
p1 0.0009142 ± 3.458e-05
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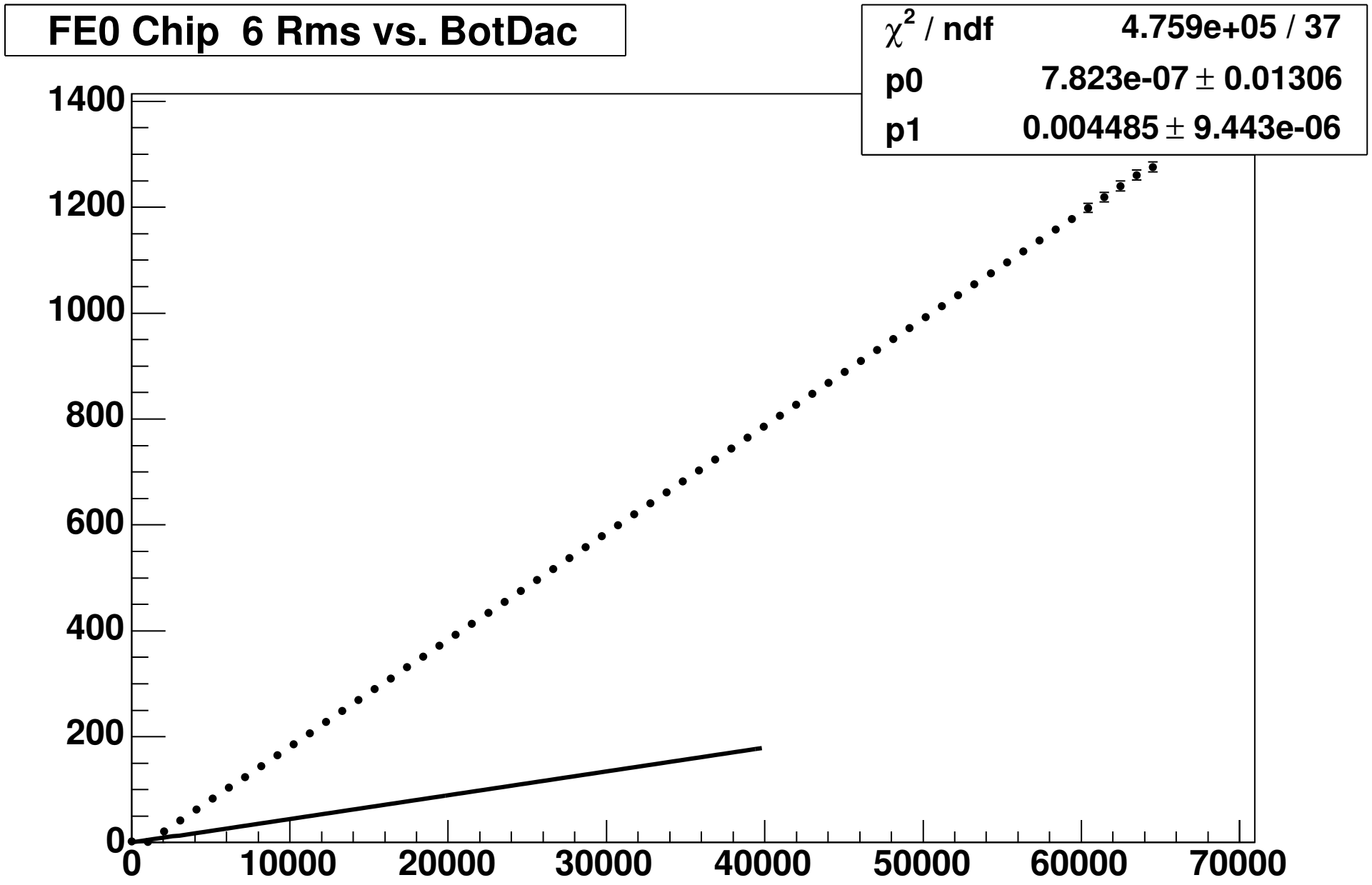
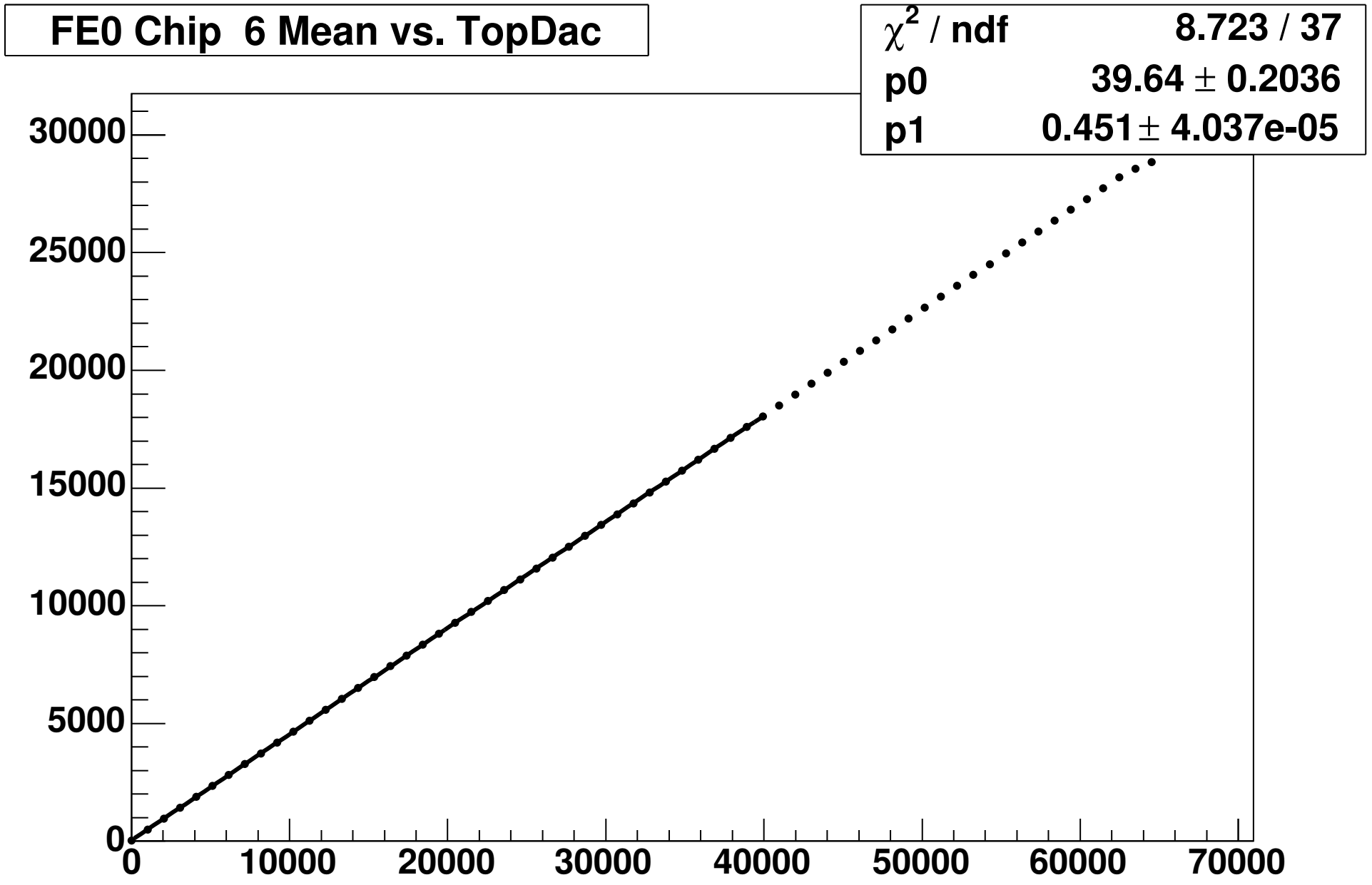
100
90
80
70
60
50
40
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 4.759e+05 / 37
p0 7.823e-07 ± 0.01306
p1 0.004485 ± 9.443e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 8.723 / 37
p0 39.64 ± 0.2036
p1 0.451 ± 4.037e-05
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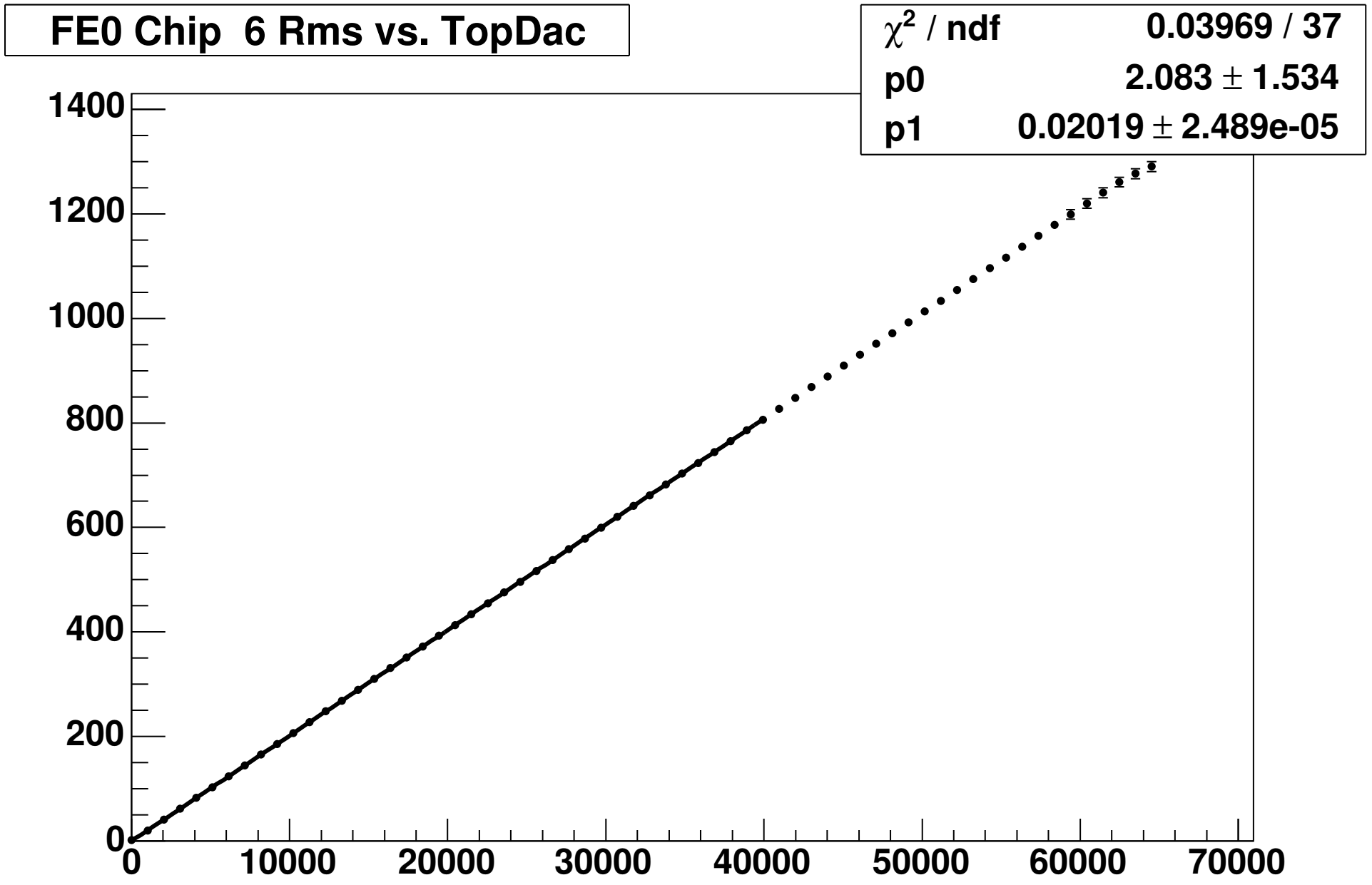
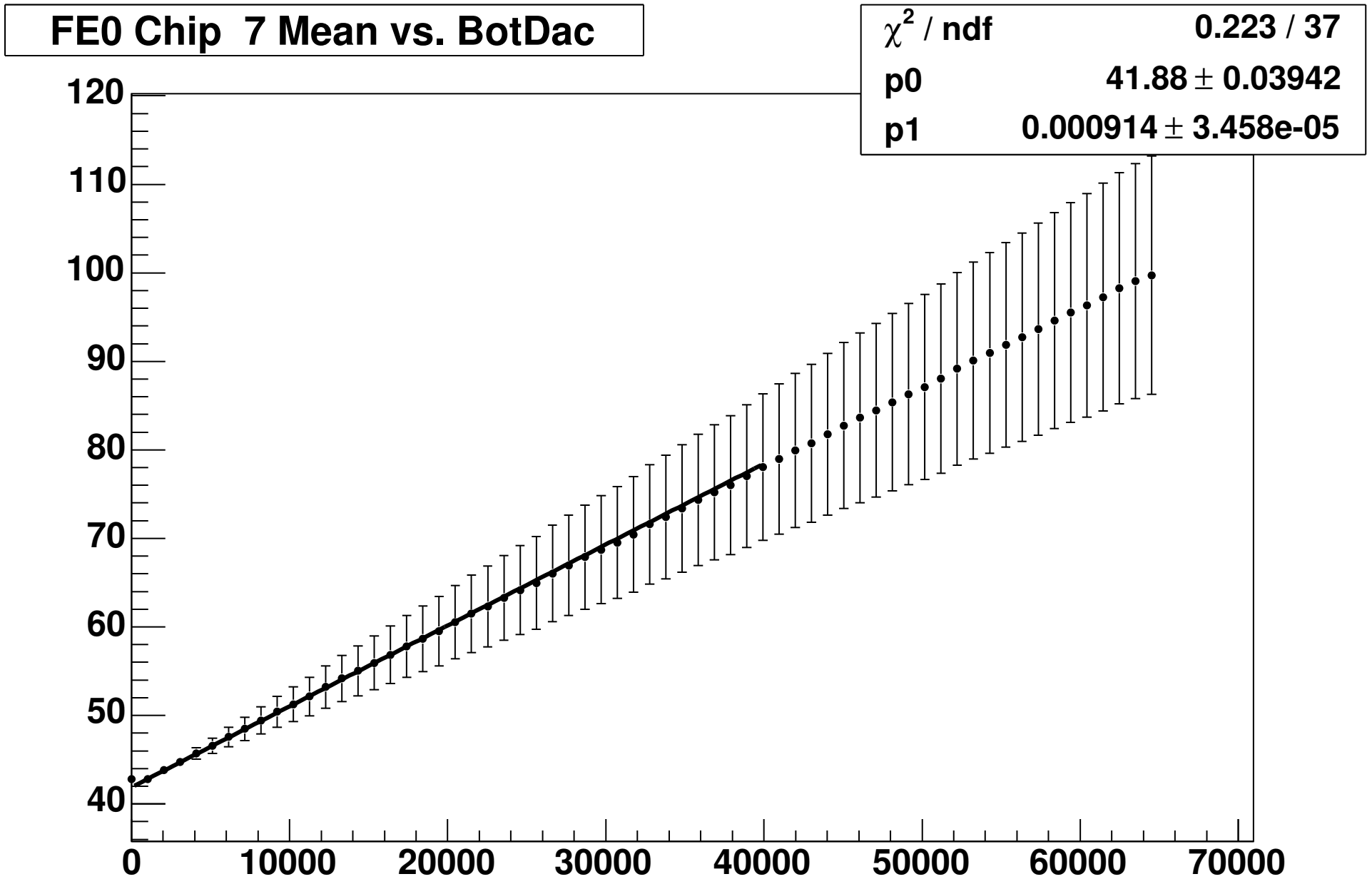
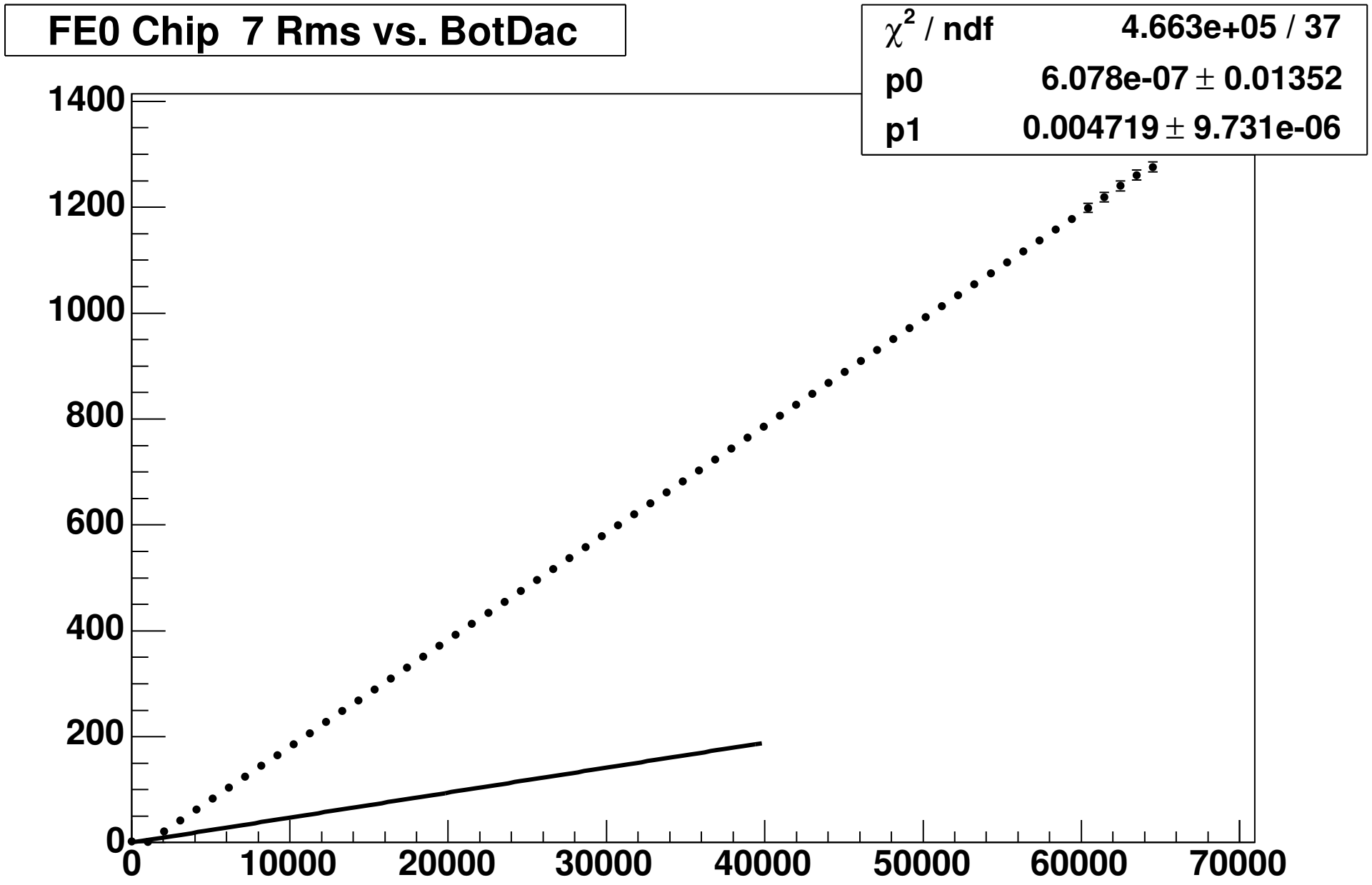
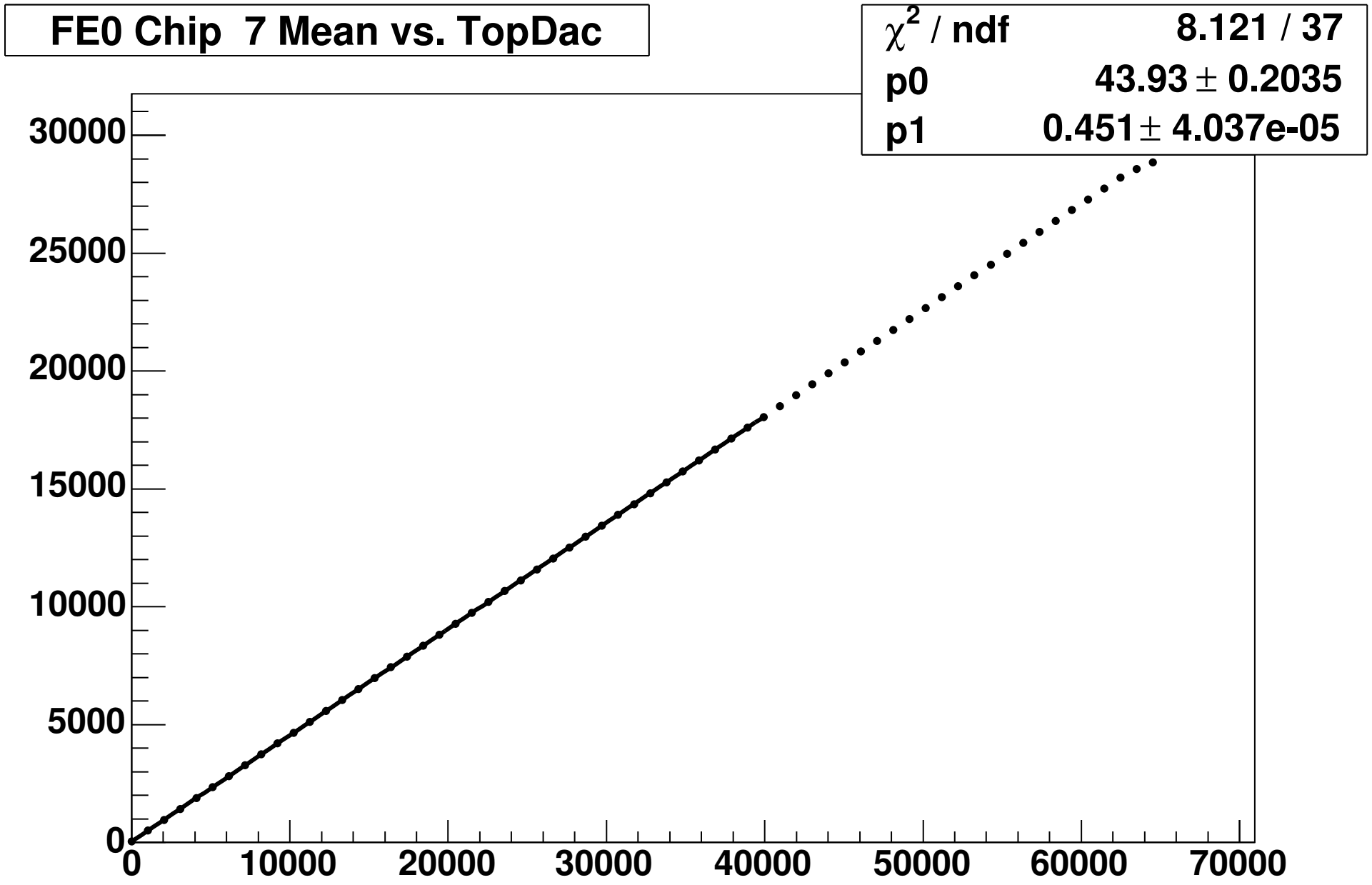
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 0.03969 / 37
p0 2.083 ± 1.534
p1 0.02019 ± 2.489e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 0.223 / 37
p0 41.88 ± 0.03942
p1 0.000914 ± 3.458e-05
120
110
100
90
80
70
60
50
40
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 4.663e+05 / 37
p0 6.078e-07 ± 0.01352
p1 0.004719 ± 9.731e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 8.121 / 37
p0 43.93 ± 0.2035
p1 0.451 ± 4.037e-05
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25000
20000
15000
10000
5000
0
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10000
20000
30000
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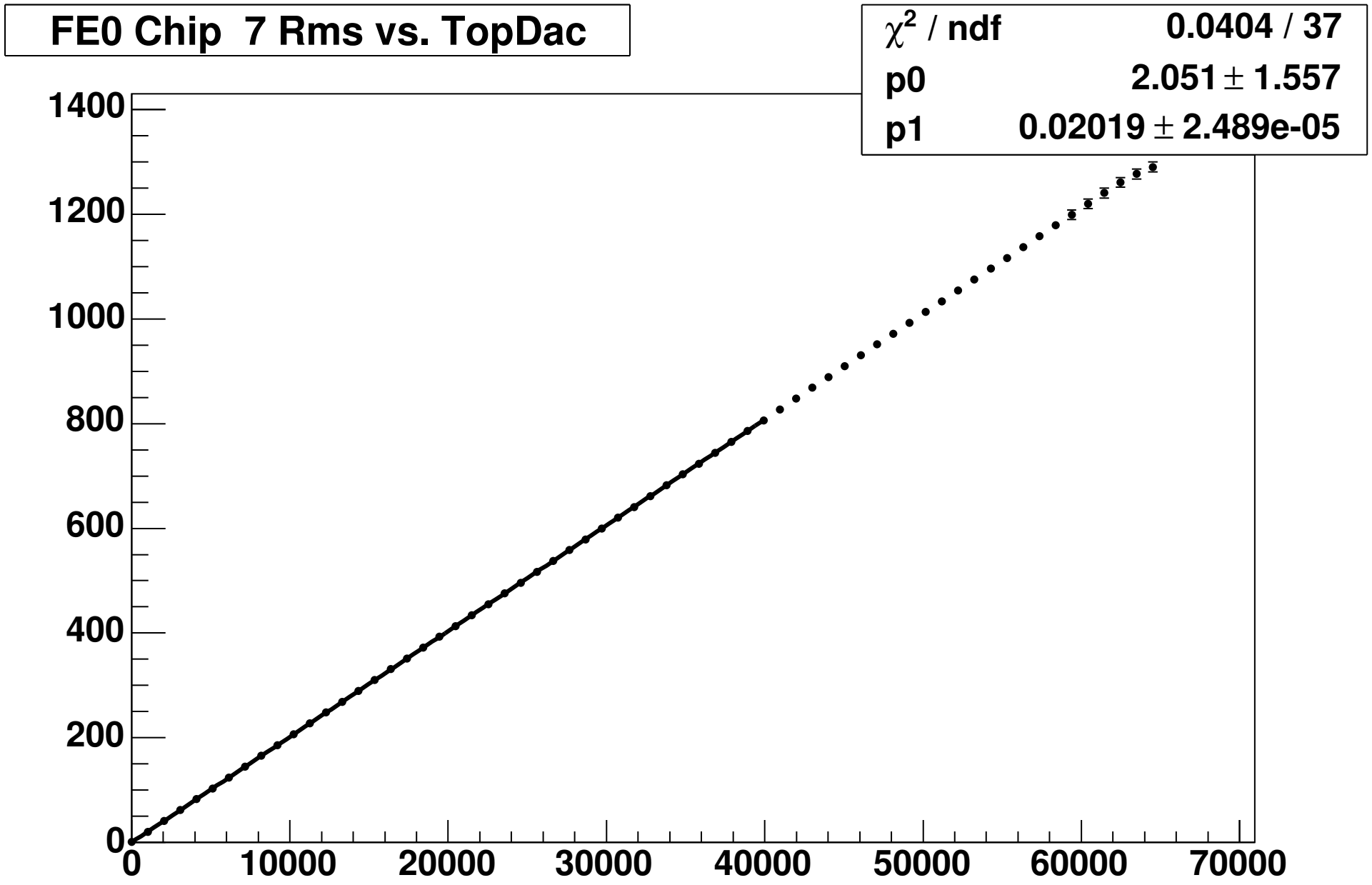
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 0.0404 / 37
p0 2.051 ± 1.557
p1 0.02019 ± 2.489e-05
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1000
800
600
400
200
0
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10000
20000
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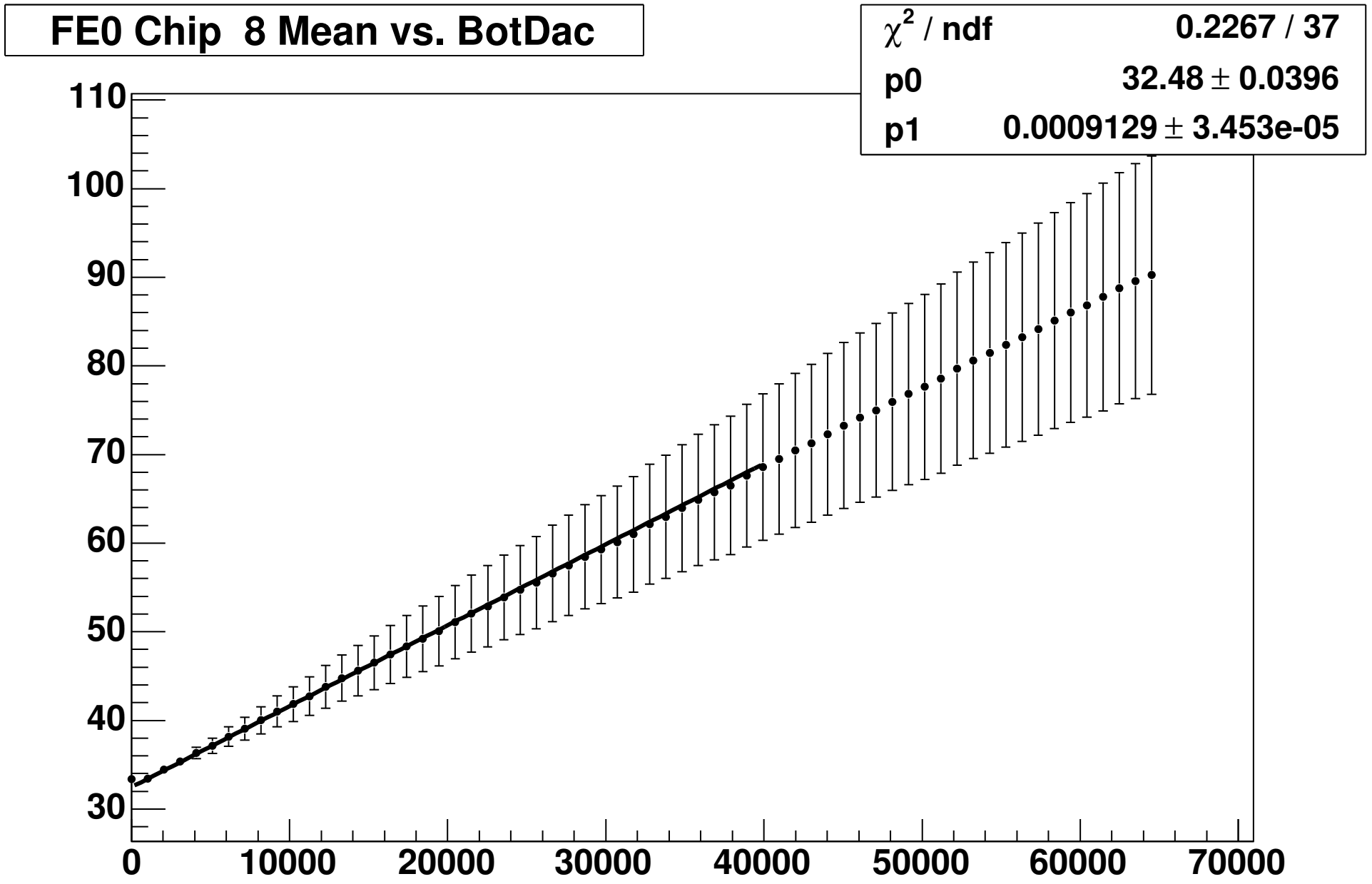
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 0.2267 / 37
p0 32.48 ± 0.0396
p1 0.0009129 ± 3.453e-05
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100
90
80
70
60
50
40
30
0
10000
20000
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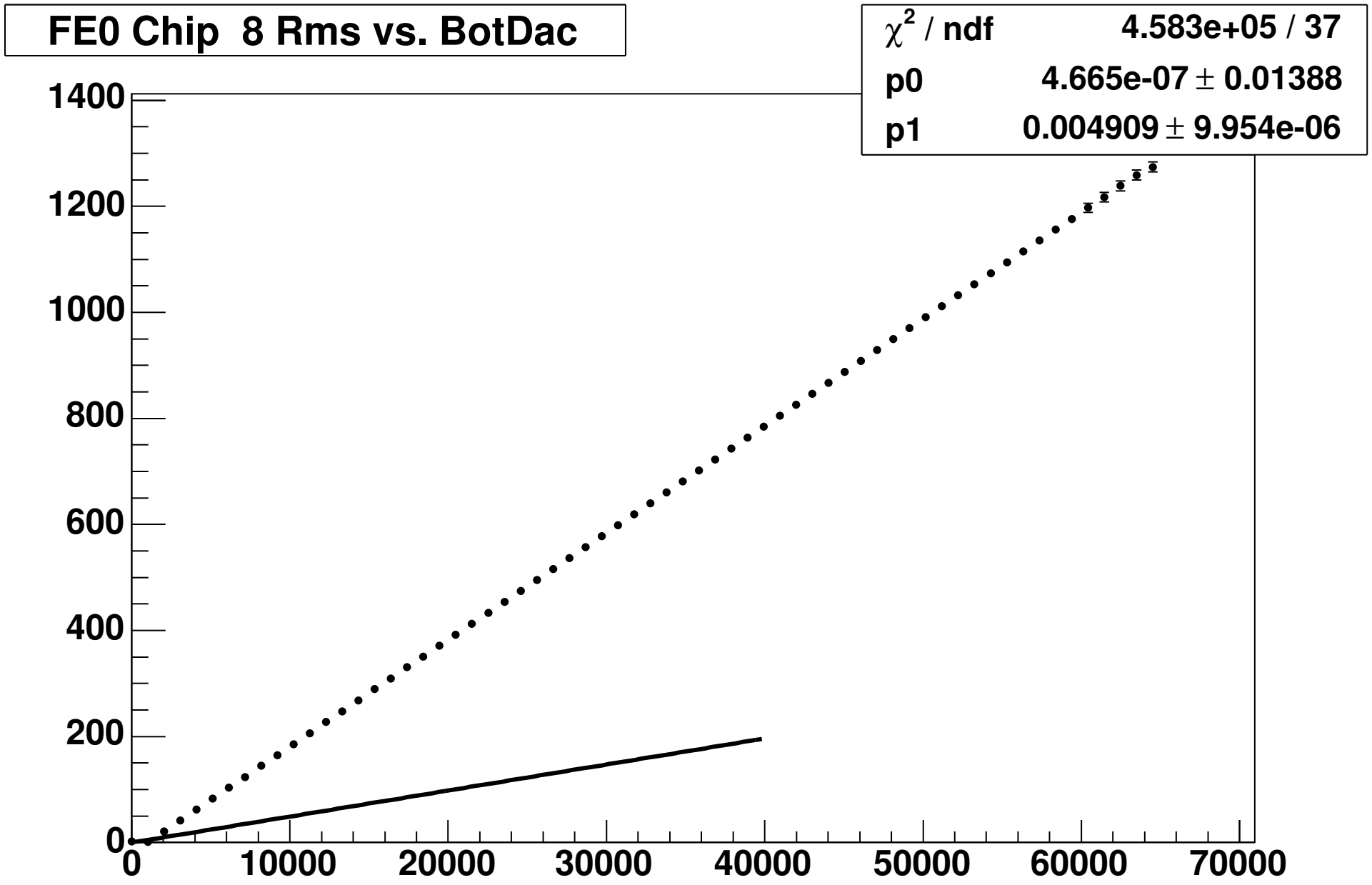
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 4.583e+05 / 37
p0 4.665e-07 ± 0.01388
p1 0.004909 ± 9.954e-06
1400
1200
1000
800
600
400
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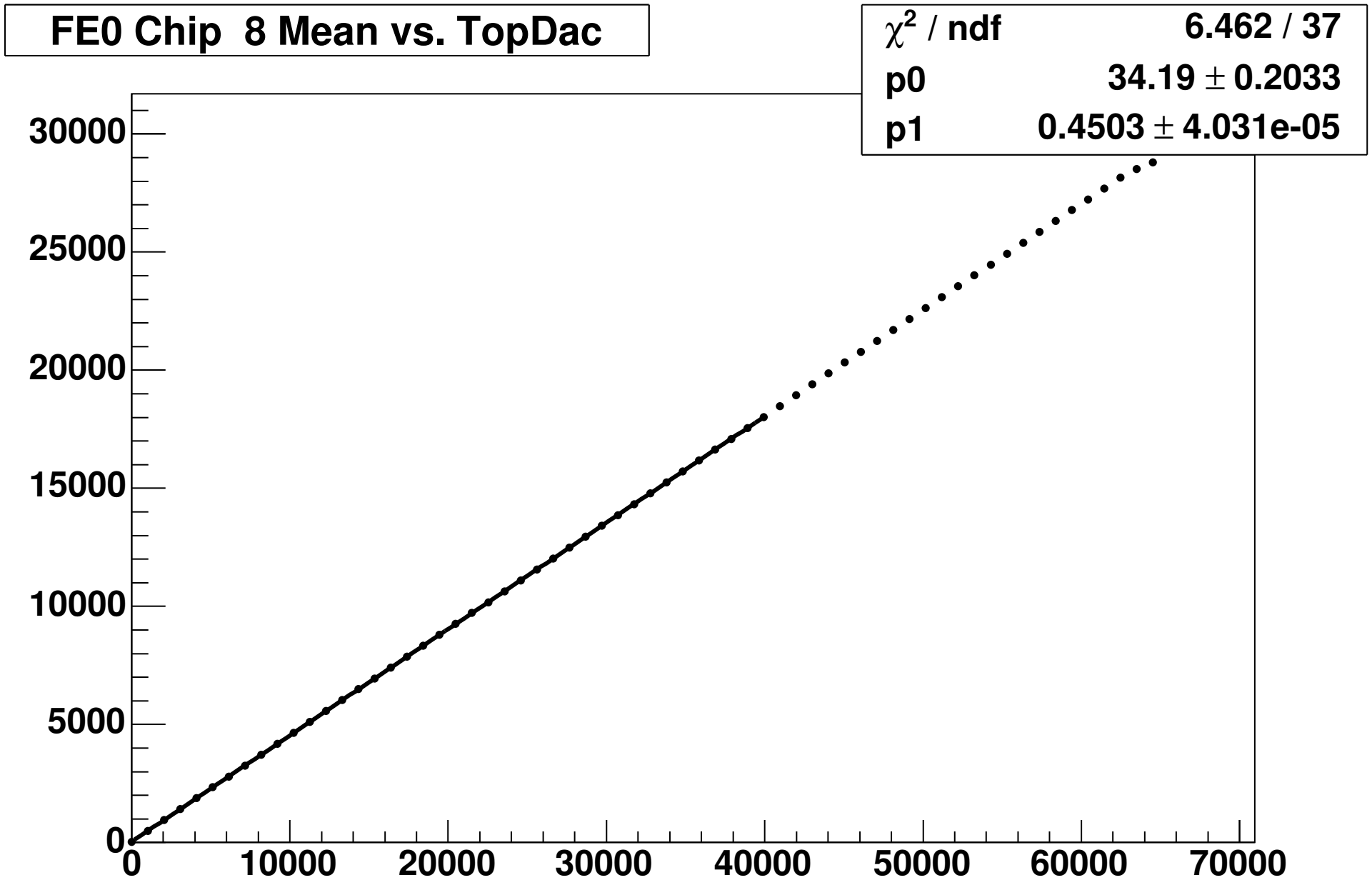
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 6.462 / 37
p0 34.19 ± 0.2033
p1 0.4503 ± 4.031e-05
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20000
15000
10000
5000
0
0
10000
20000
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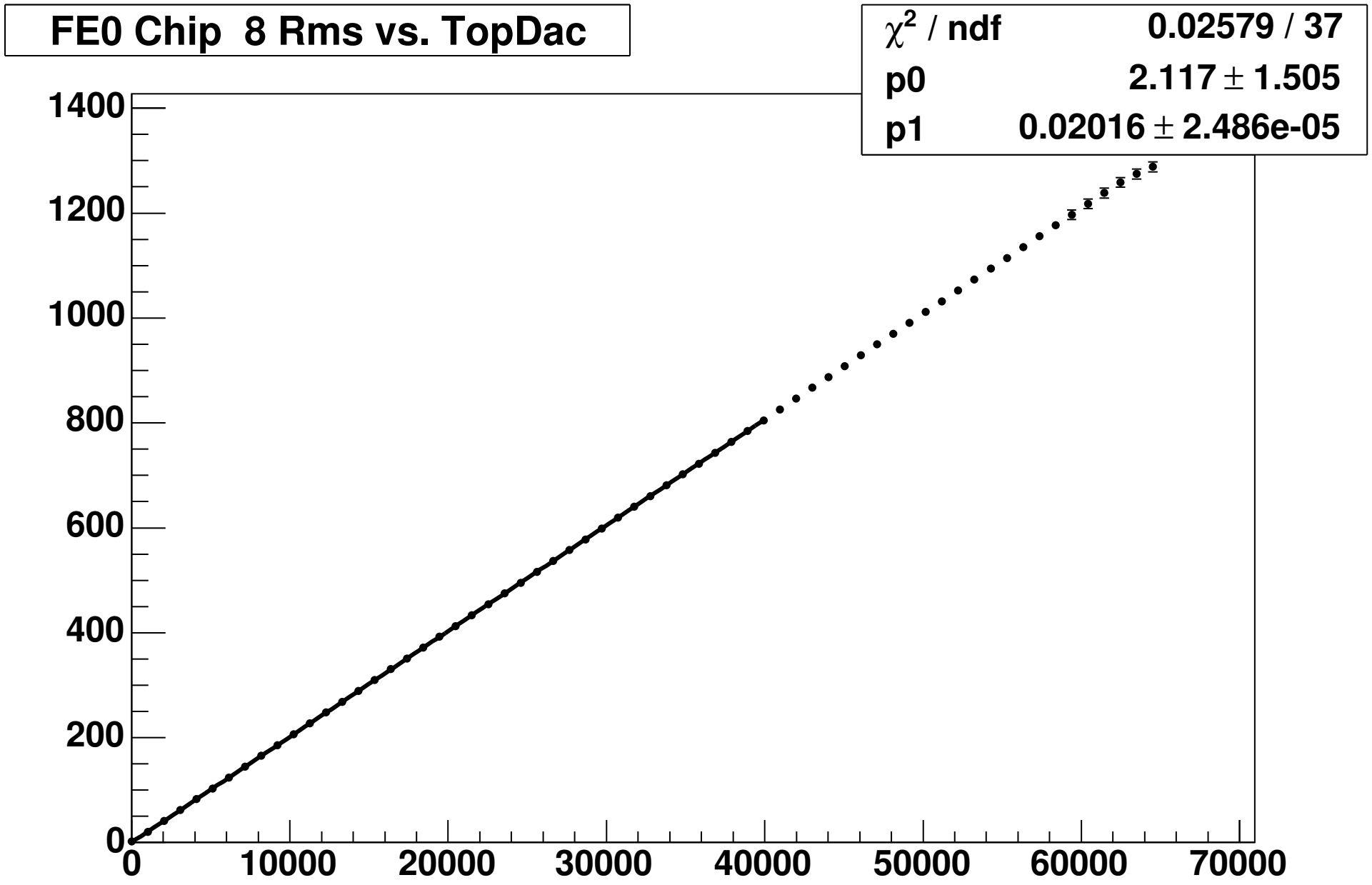
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 0.02579 / 37
p0 2.117 ± 1.505
p1 0.02016 ± 2.486e-05
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1000
800
600
400
200
0
0
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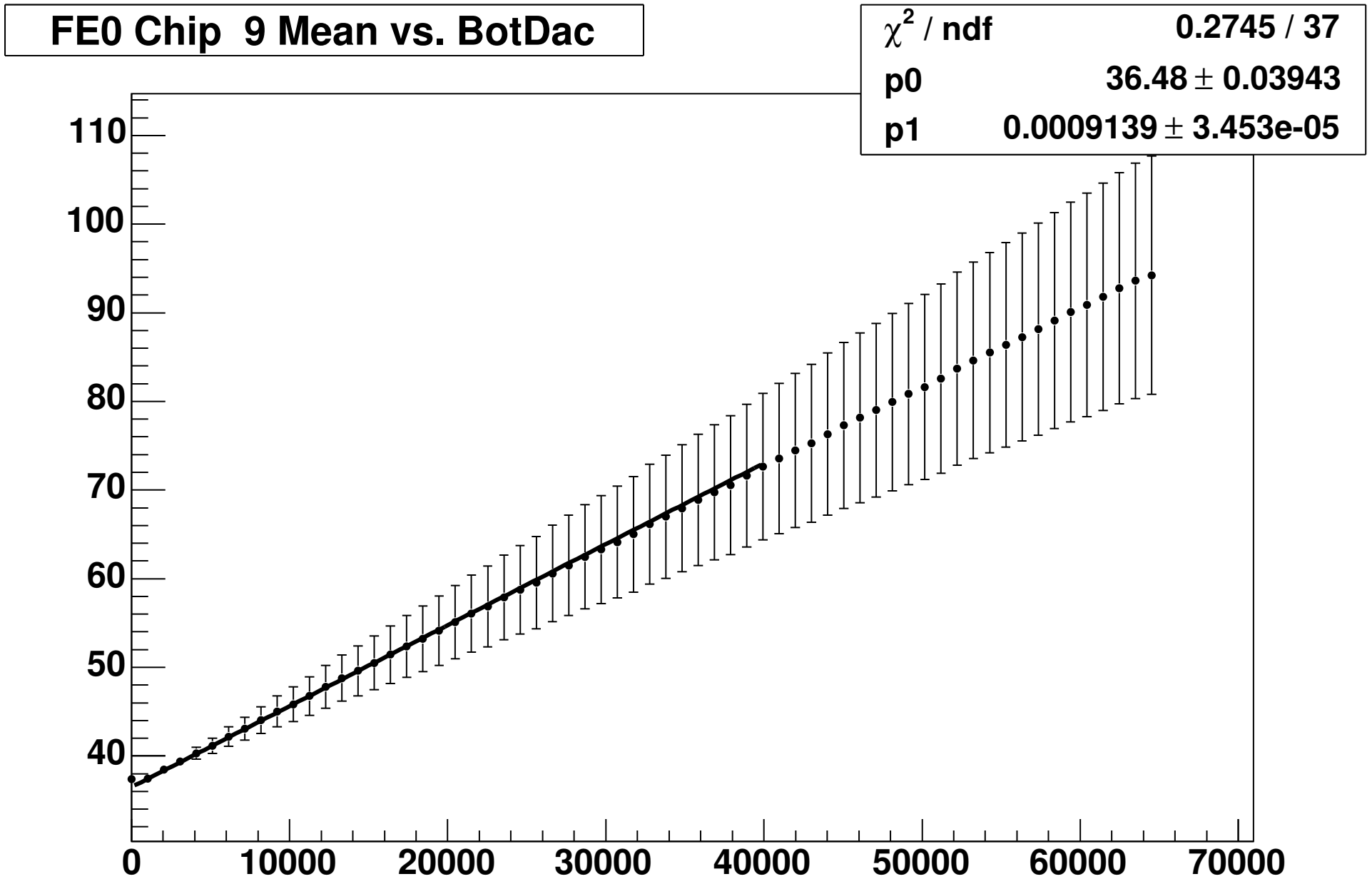
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 0.2745 / 37
p0 36.48 ± 0.03943
p1 0.0009139 ± 3.453e-05
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100
90
80
70
60
50
40
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20000
30000
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60000
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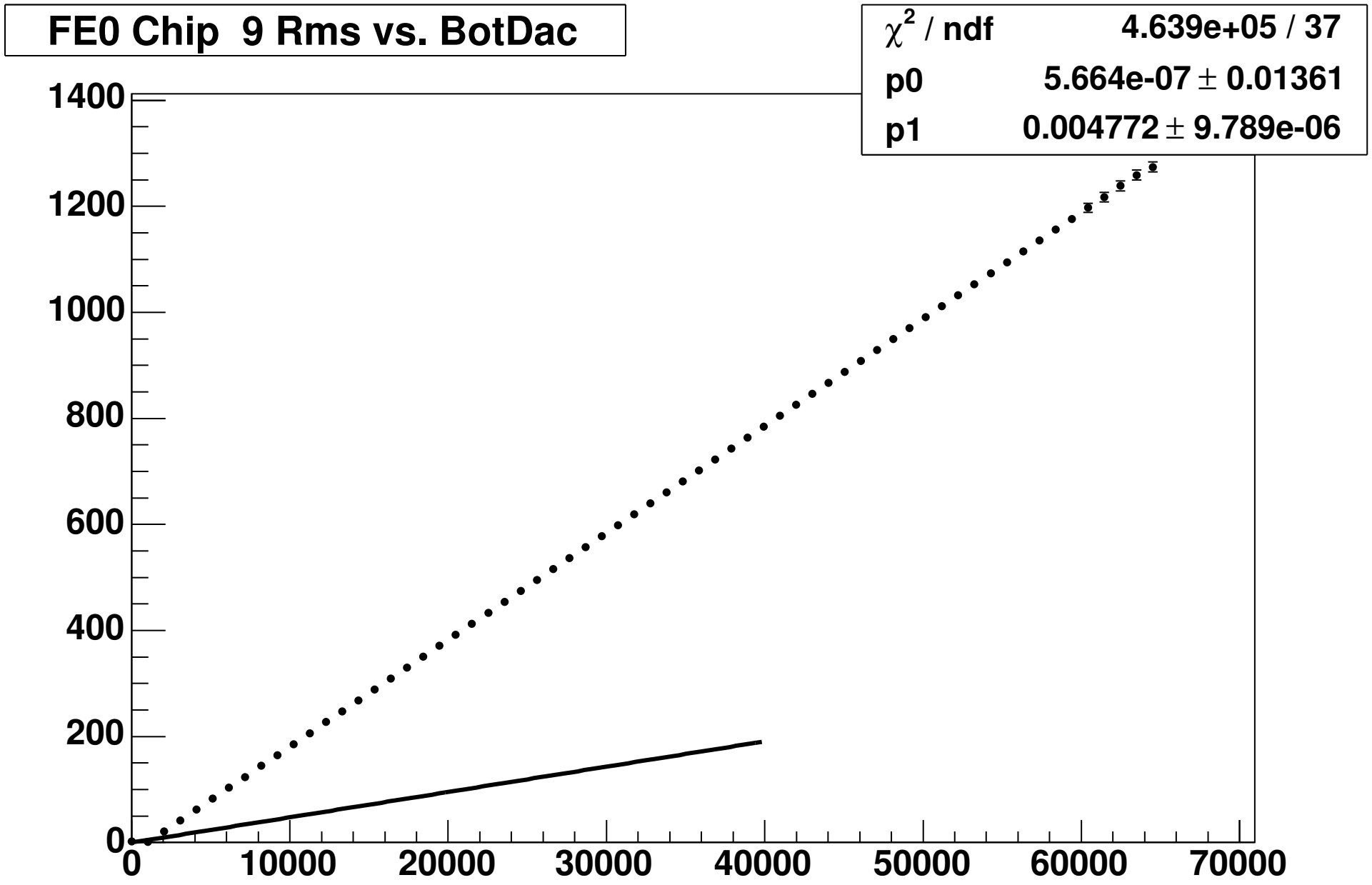
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 4.639e+05 / 37
p0 5.664e-07 ± 0.01361
p1 0.004772 ± 9.789e-06
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1200
1000
800
600
400
200
0
0
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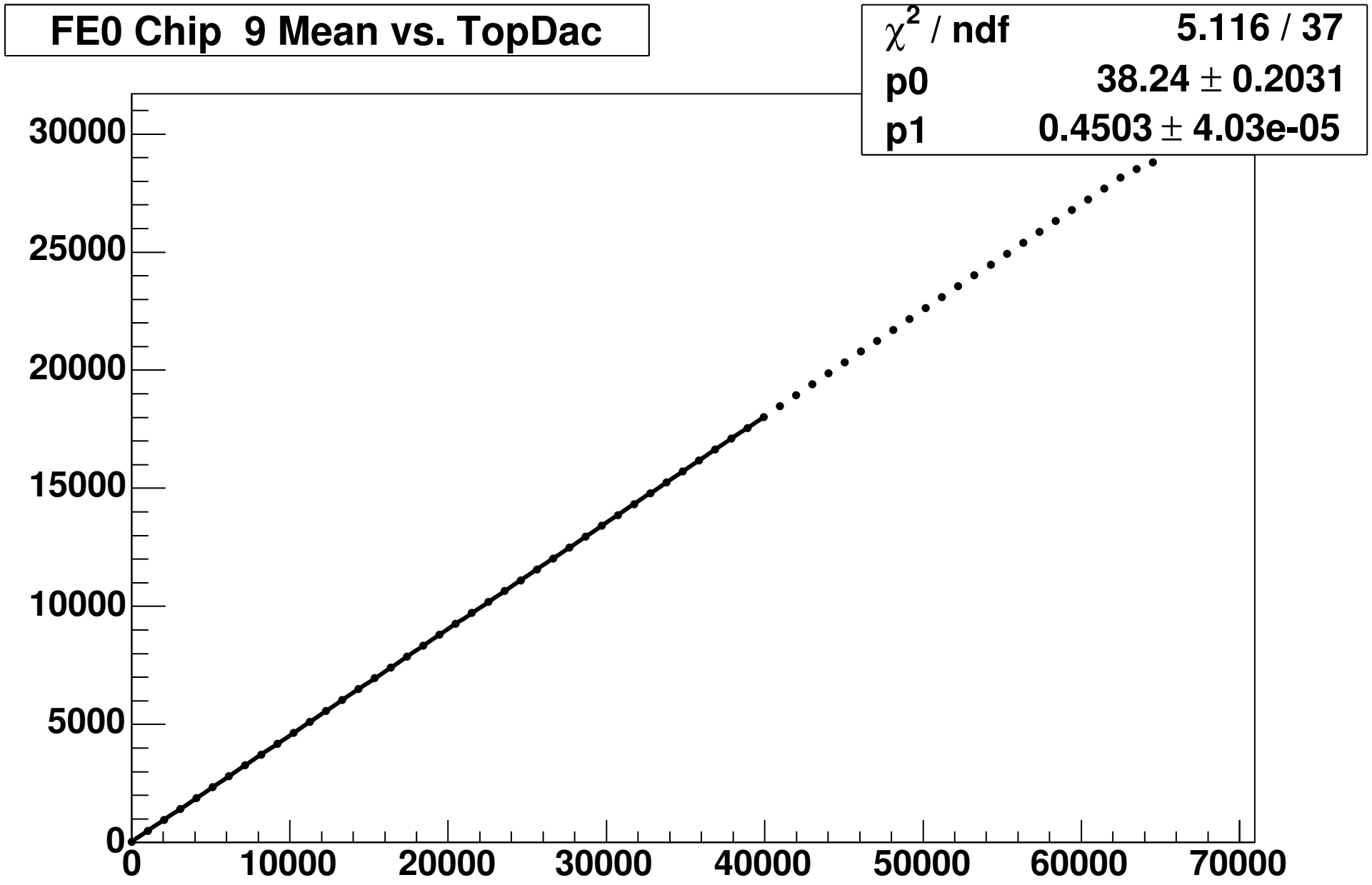
FE0 Chip 9 Mean vs. TopDac
χ^2 / ndf 5.116 / 37
p0 38.24 ± 0.2031
p1 0.4503 ± 4.03e-05
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20000
15000
10000
5000
0
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20000
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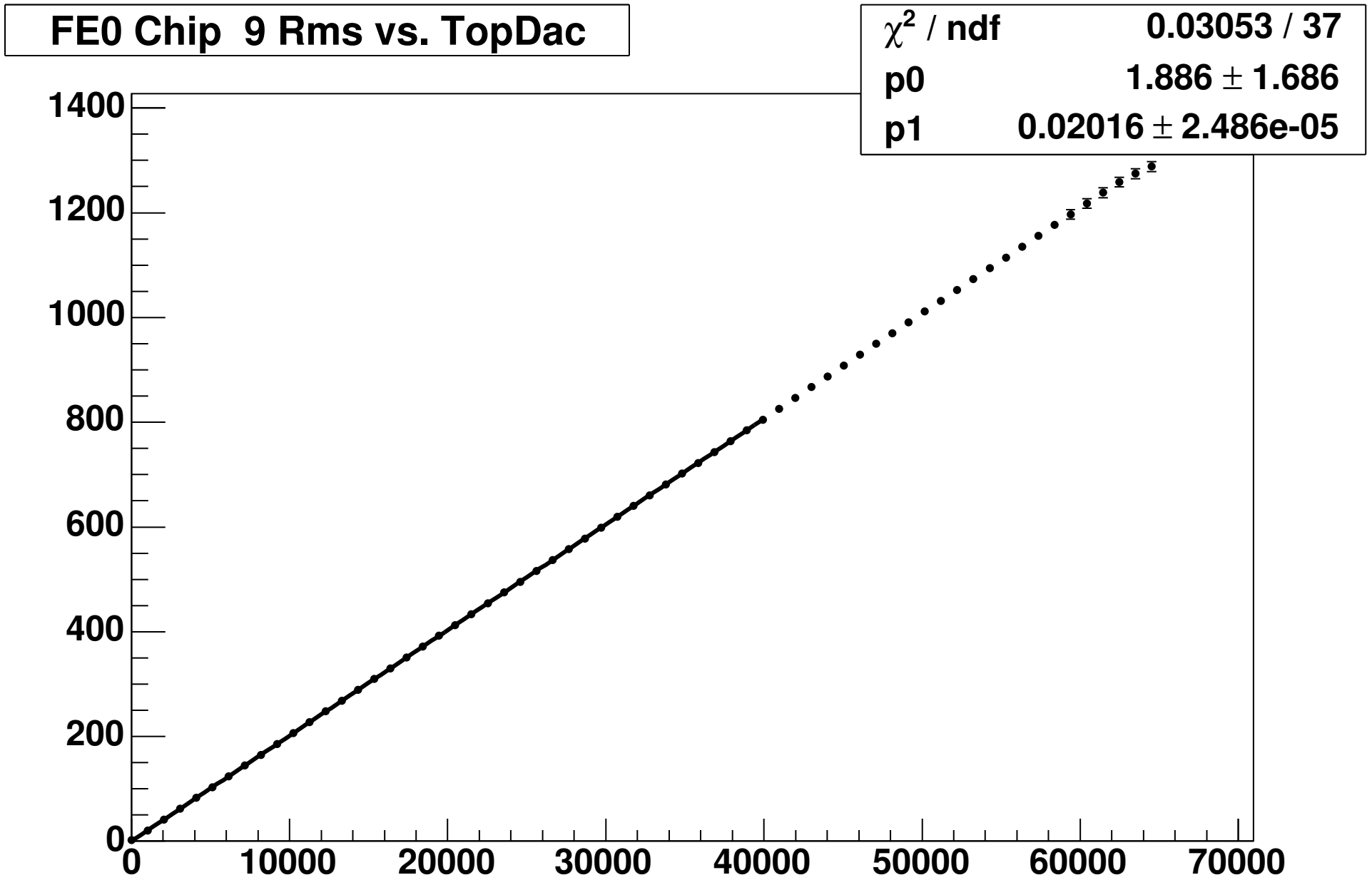
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 0.03053 / 37
p0 1.886 ± 1.686
p1 0.02016 ± 2.486e-05
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1200
1000
800
600
400
200
0
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10000
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30000
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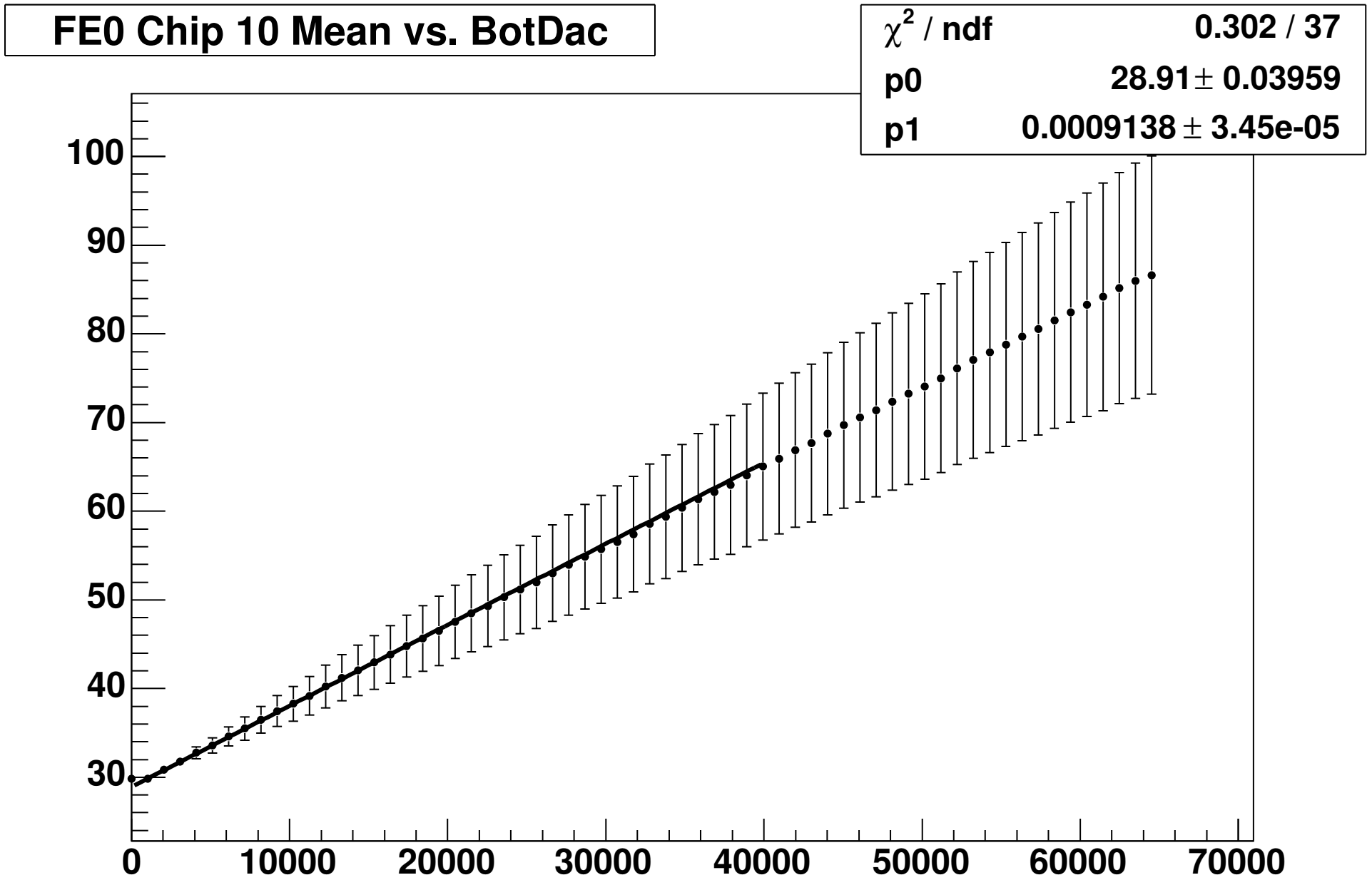
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 0.302 / 37
p0 28.91 ± 0.03959
p1 0.0009138 ± 3.45e-05
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90
80
70
60
50
40
30
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20000
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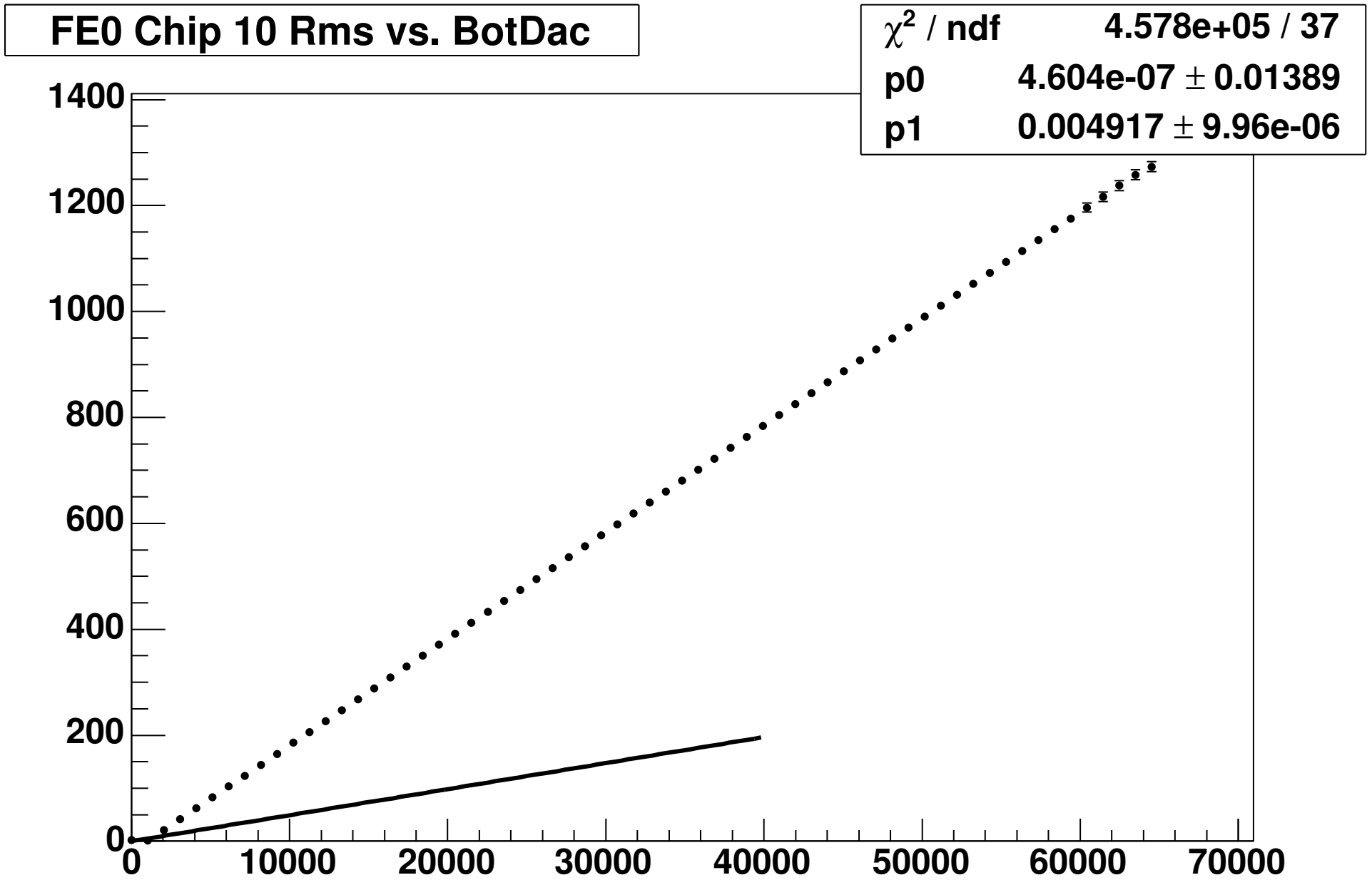
FE0 Chip 10 Rms vs. BotDac
χ² / ndf 4.578e+05 / 37
p0 4.604e-07 ± 0.01389
p1 0.004917 ± 9.96e-06
1400
1200
1000
800
600
400
200
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0
10000
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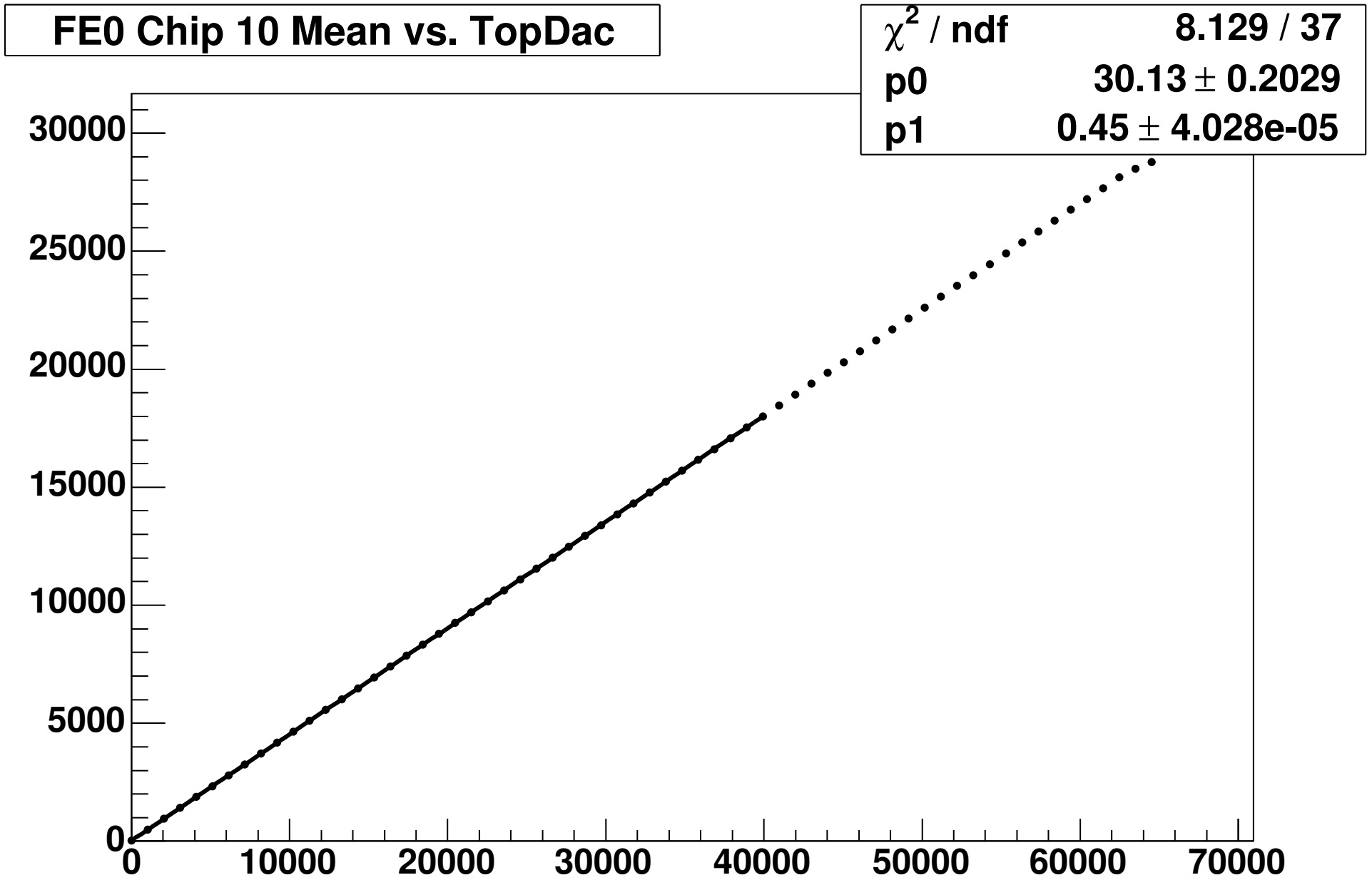
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 8.129 / 37
p0 30.13 ± 0.2029
p1 0.45 ± 4.028e-05
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20000
15000
10000
5000
0
0
10000
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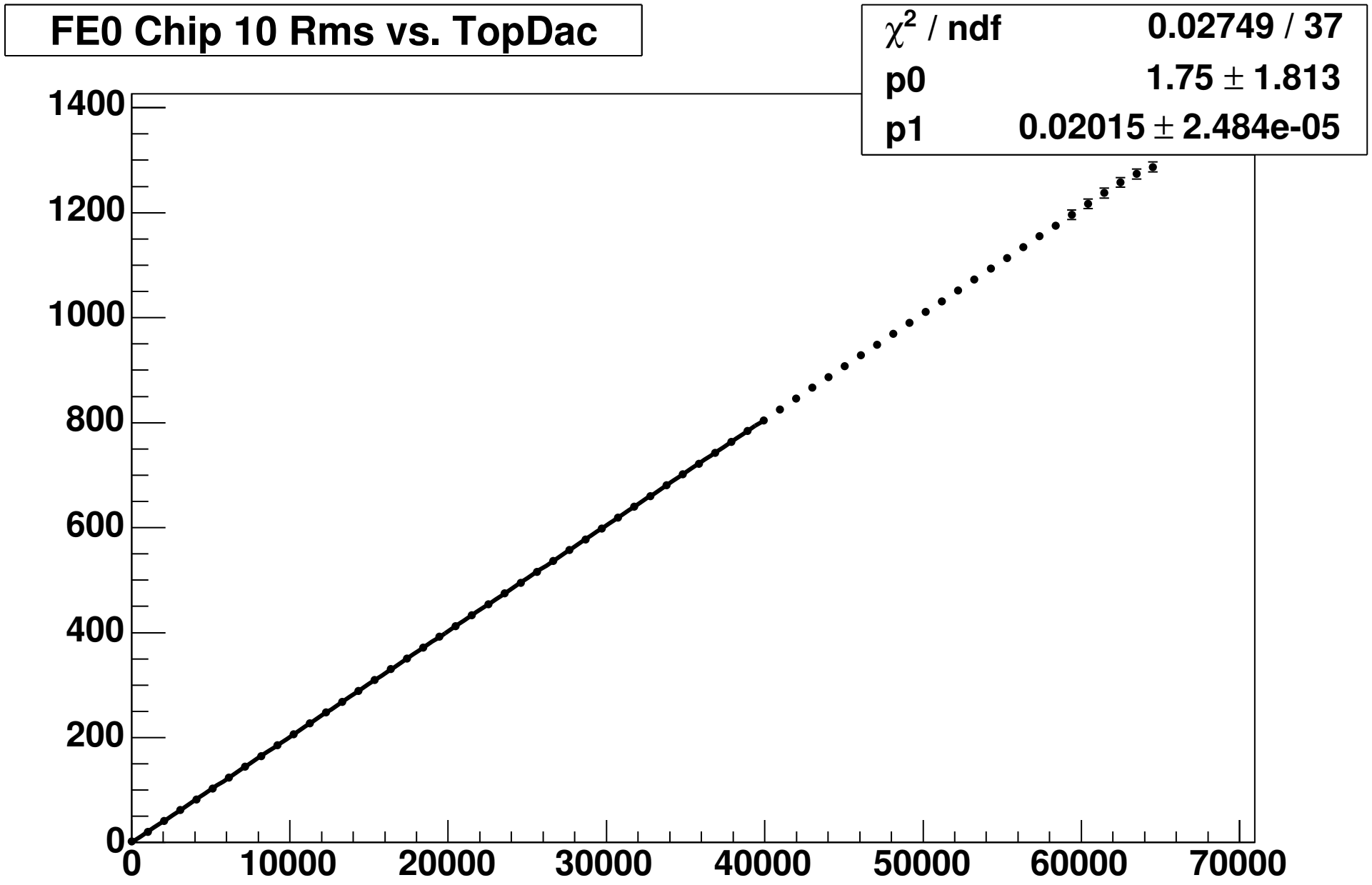
FE0 Chip 10 Rms vs. TopDac
χ² / ndf 0.02749 / 37
p0 1.75 ± 1.813
p1 0.02015 ± 2.484e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
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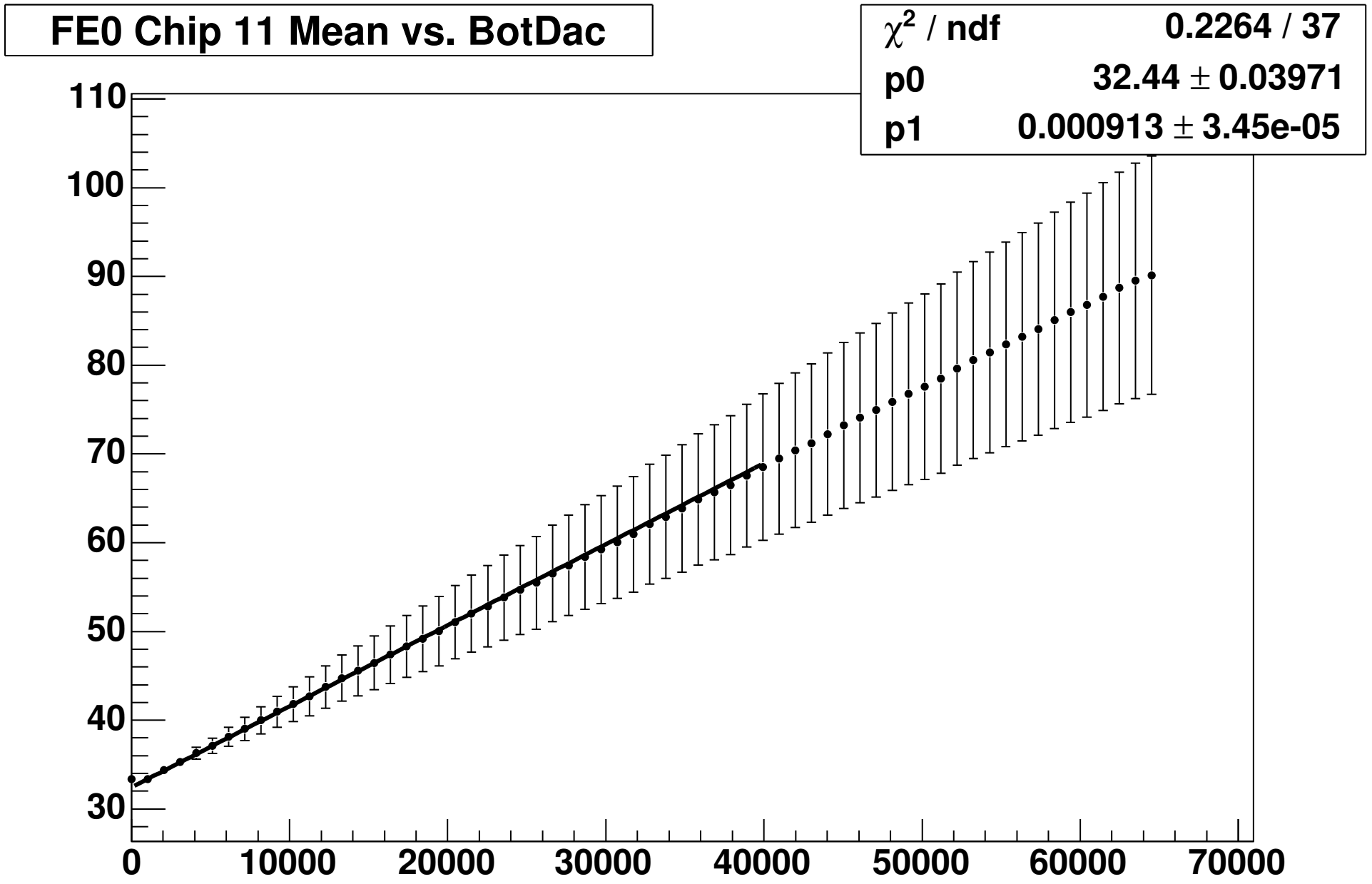
FE0 Chip 11 Mean vs. BotDac
χ² / ndf 0.2264 / 37
p0 32.44 ± 0.03971
p1 0.000913 ± 3.45e-05
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100
90
80
70
60
50
40
30
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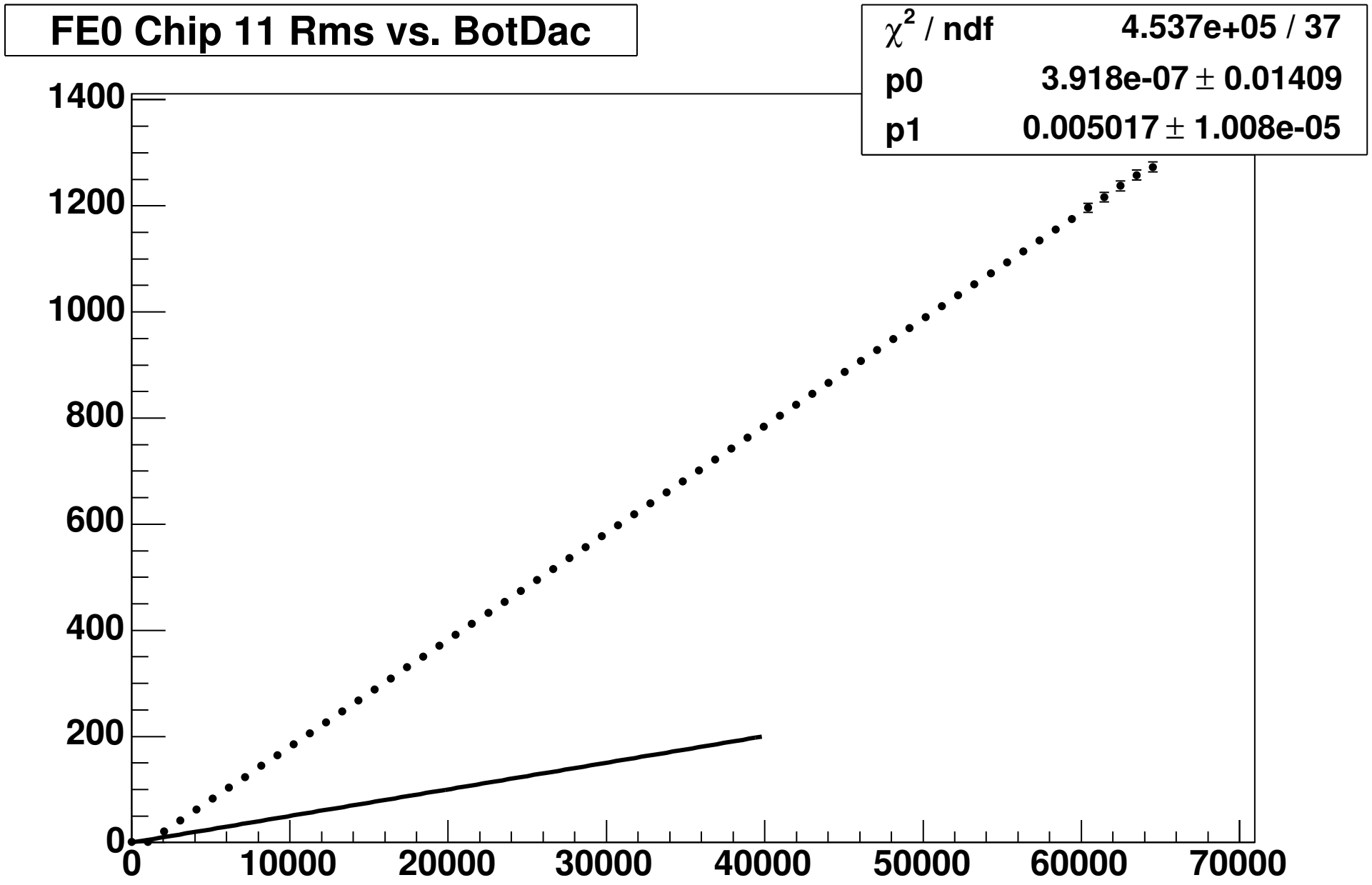
FE0 Chip 11 Rms vs. BotDac
χ² / ndf 4.537e+05 / 37
p0 3.918e-07 ± 0.01409
p1 0.005017 ± 1.008e-05
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1200
1000
800
600
400
200
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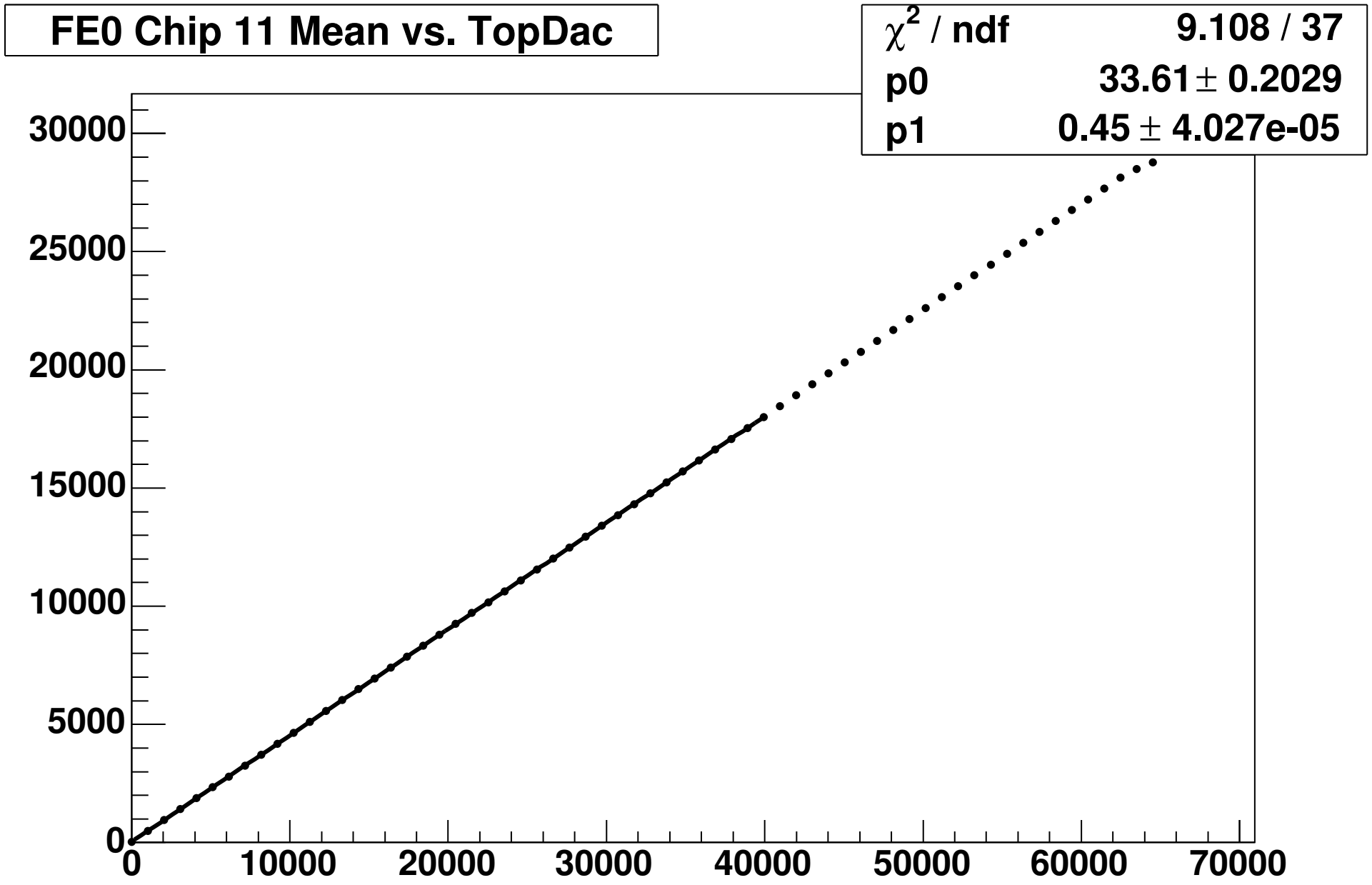
FE0 Chip 11 Mean vs. TopDac
χ² / ndf 9.108 / 37
p0 33.61 ± 0.2029
p1 0.45 ± 4.027e-05
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20000
15000
10000
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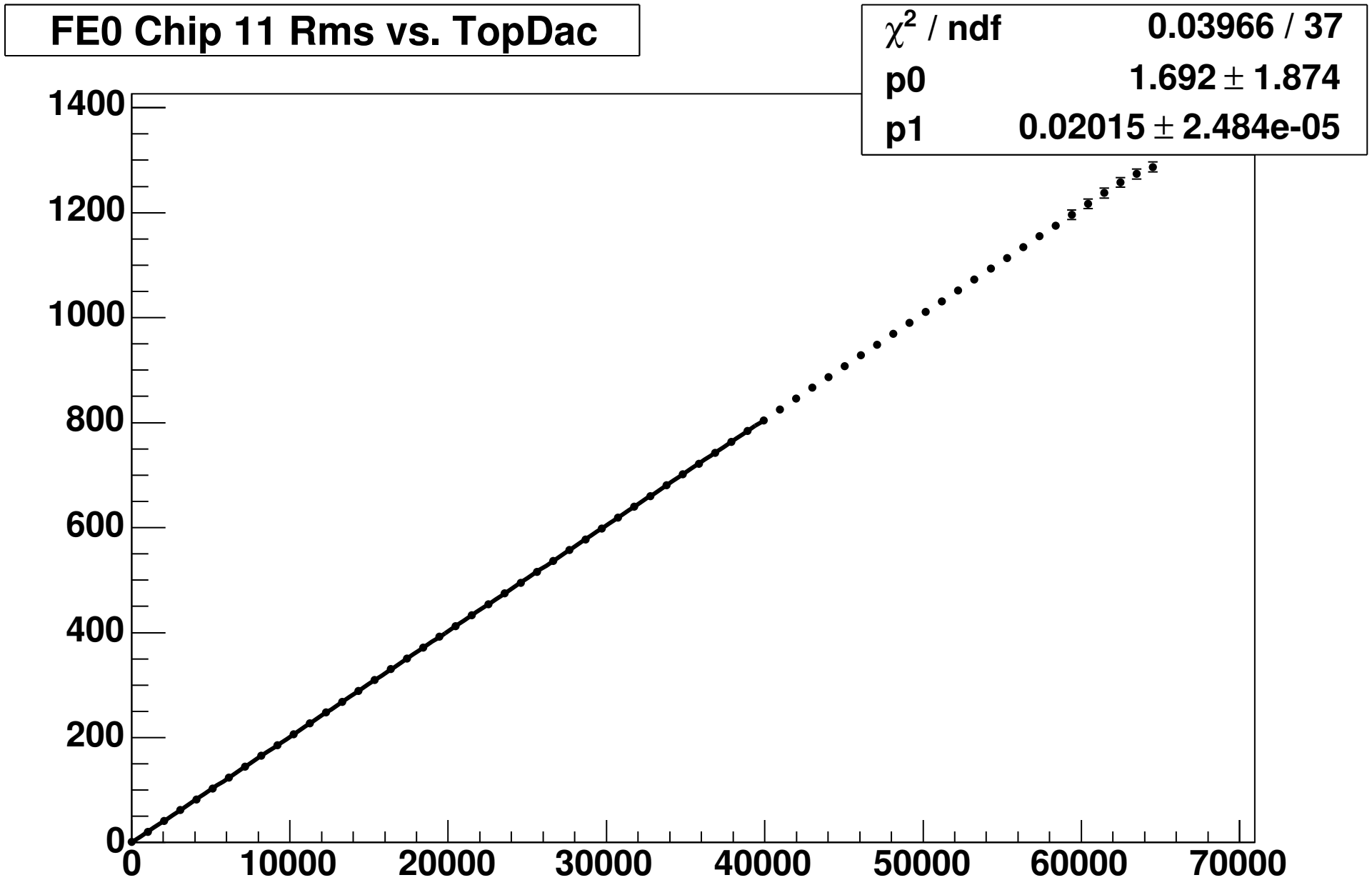
FE0 Chip 11 Rms vs. TopDac
χ² / ndf 0.03966 / 37
p0 1.692 ± 1.874
p1 0.02015 ± 2.484e-05
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1200
1000
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400
200
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10000
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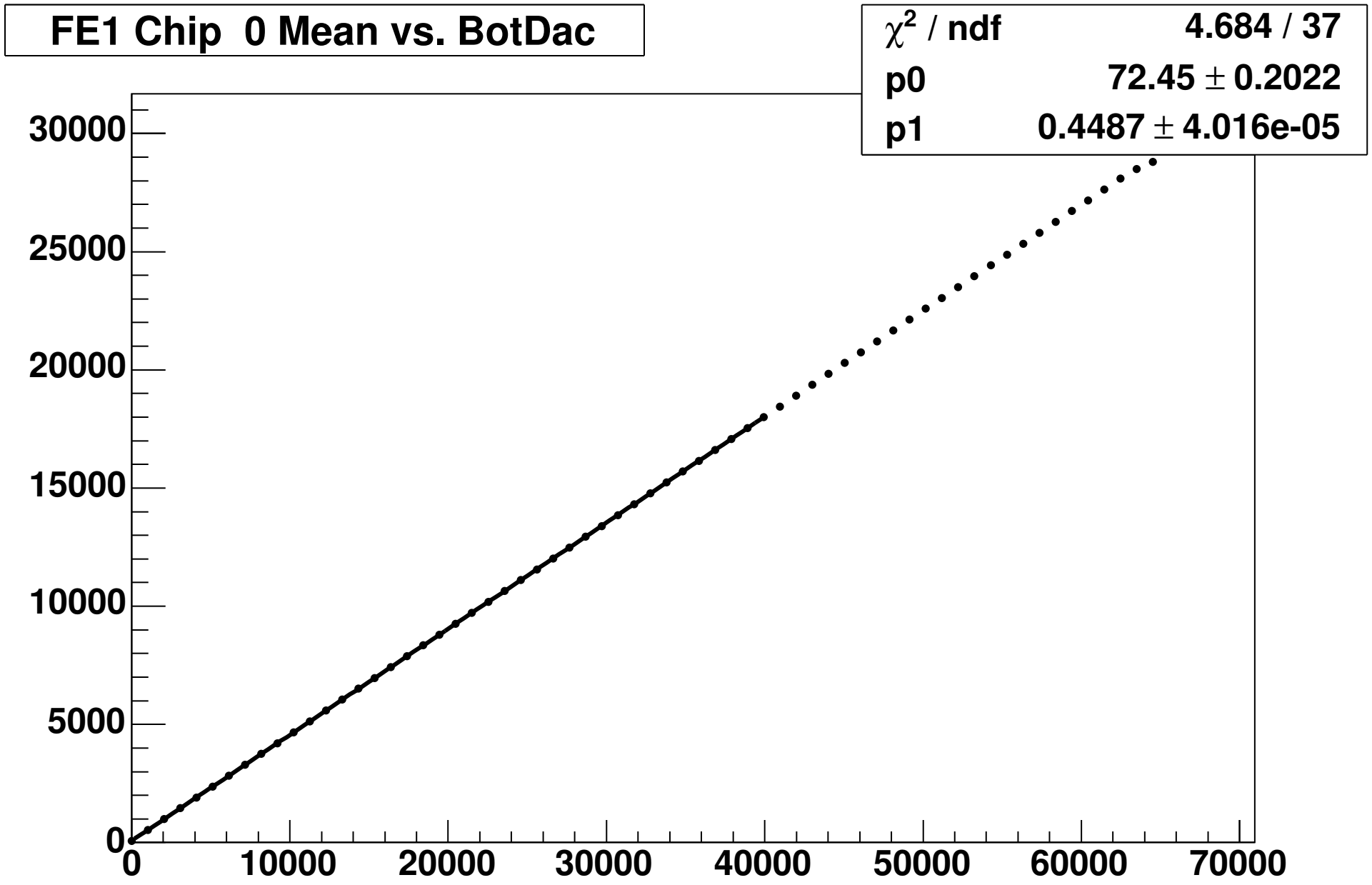
FE1 Chip 0 Mean vs. BotDac
χ² / ndf 4.684 / 37
p0 72.45 ± 0.2022
p1 0.4487 ± 4.016e-05
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20000
15000
10000
5000
0
0
10000
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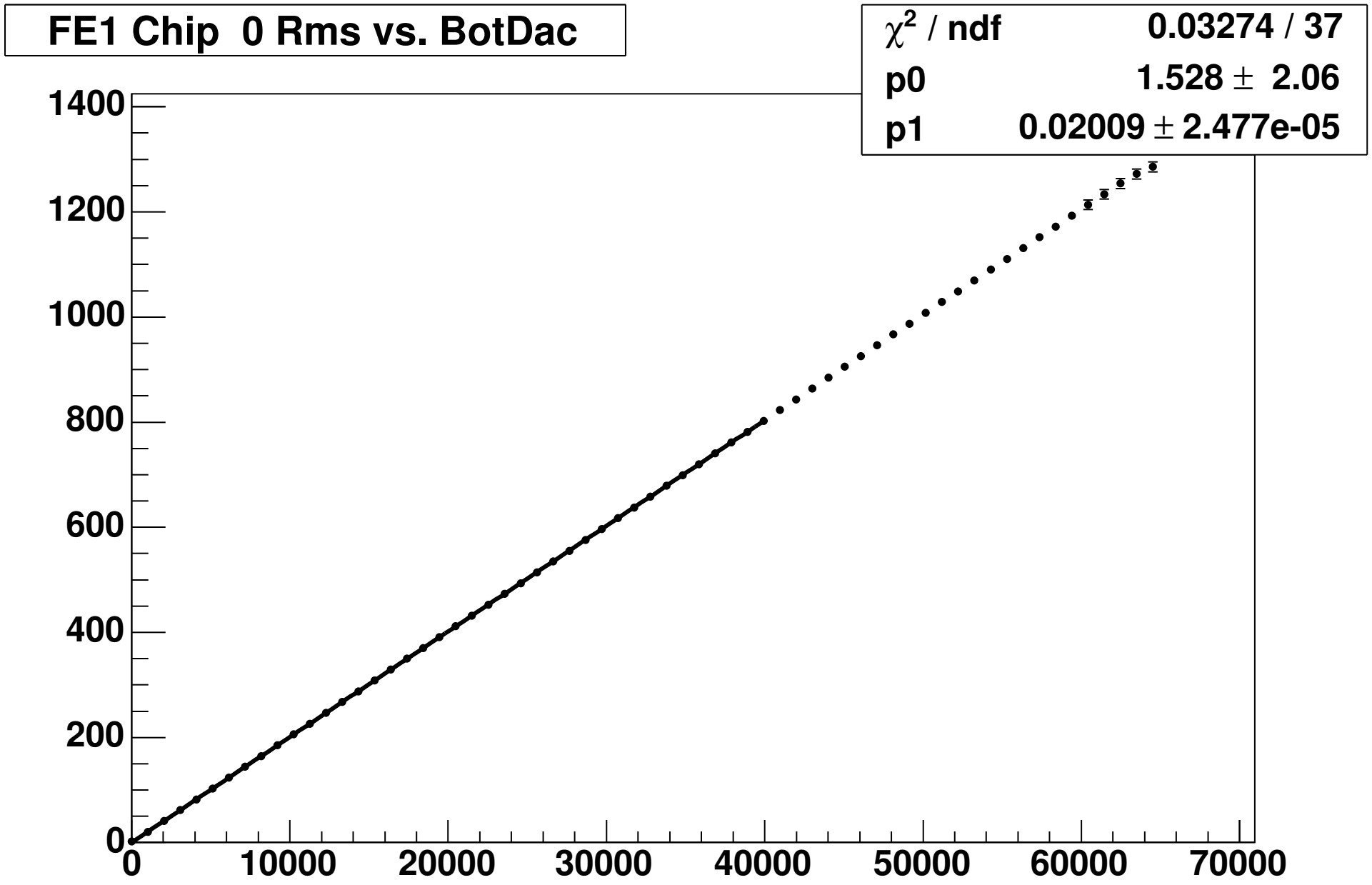
FE1 Chip 0 Rms vs. BotDac
χ² / ndf 0.03274 / 37
p0 1.528 ± 2.06
p1 0.02009 ± 2.477e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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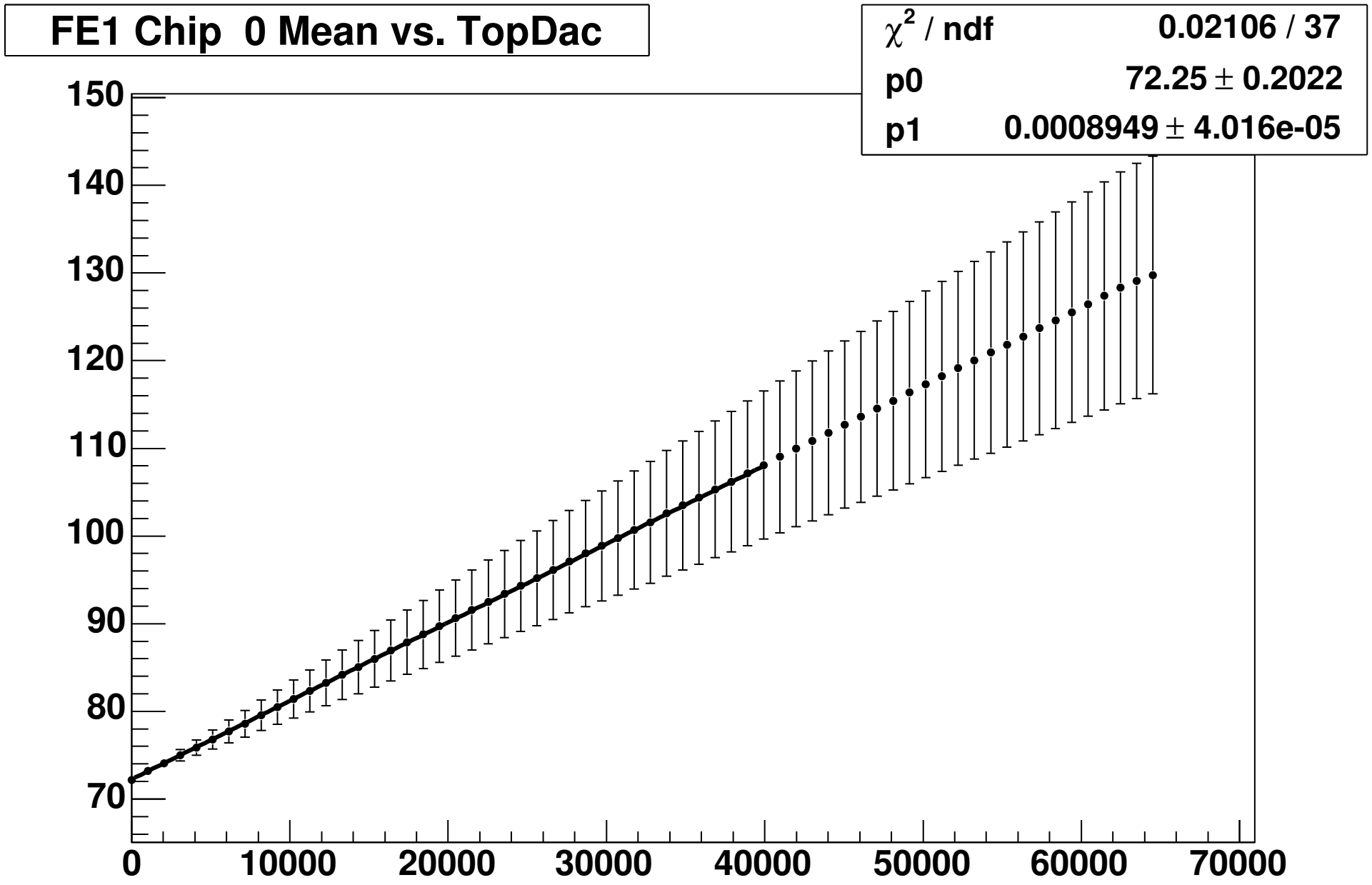
FE1 Chip 0 Mean vs. TopDac
χ² / ndf 0.02106 / 37
p0 72.25 ± 0.2022
p1 0.0008949 ± 4.016e-05
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120
110
100
90
80
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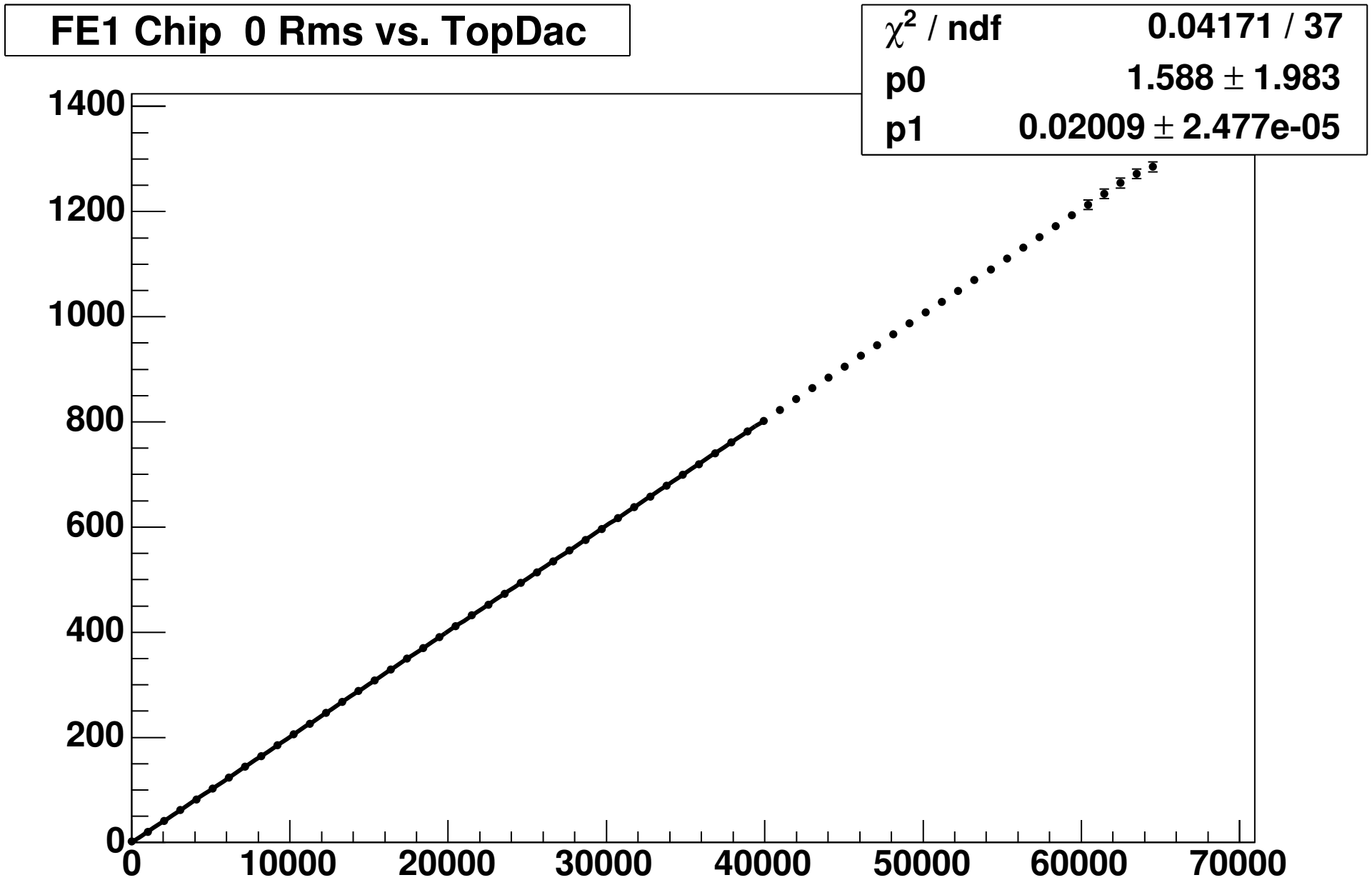
FE1 Chip 0 Rms vs. TopDac
χ² / ndf 0.04171 / 37
p0 1.588 ± 1.983
p1 0.02009 ± 2.477e-05
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1200
1000
800
600
400
200
0
0
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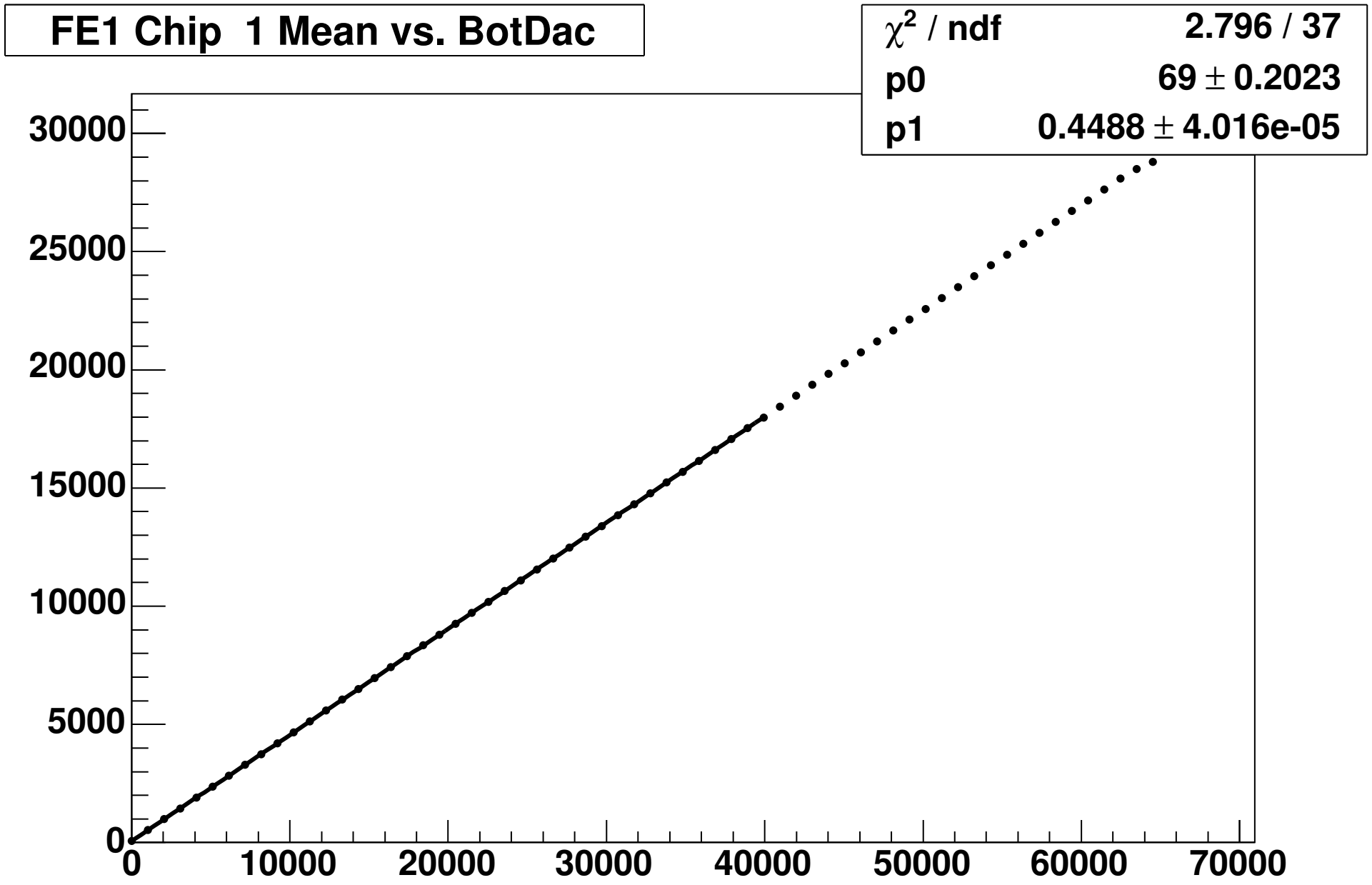
FE1 Chip 1 Mean vs. BotDac
χ² / ndf 2.796 / 37
p0 69 ± 0.2023
p1 0.4488 ± 4.016e-05
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20000
15000
10000
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0
0
10000
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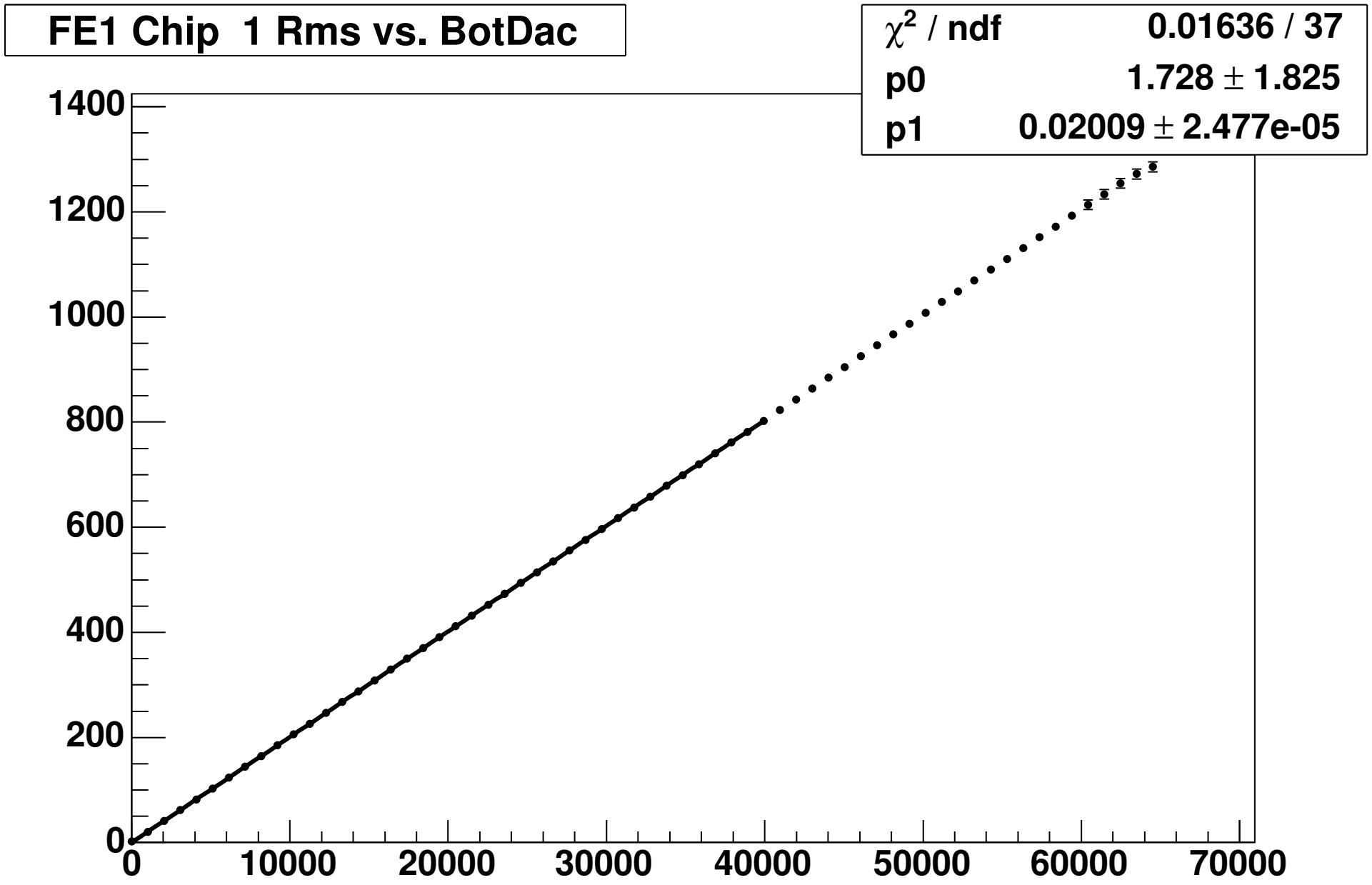
FE1 Chip 1 Rms vs. BotDac
χ² / ndf 0.01636 / 37
p0 1.728 ± 1.825
p1 0.02009 ± 2.477e-05
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1000
800
600
400
200
0
0
10000
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50000
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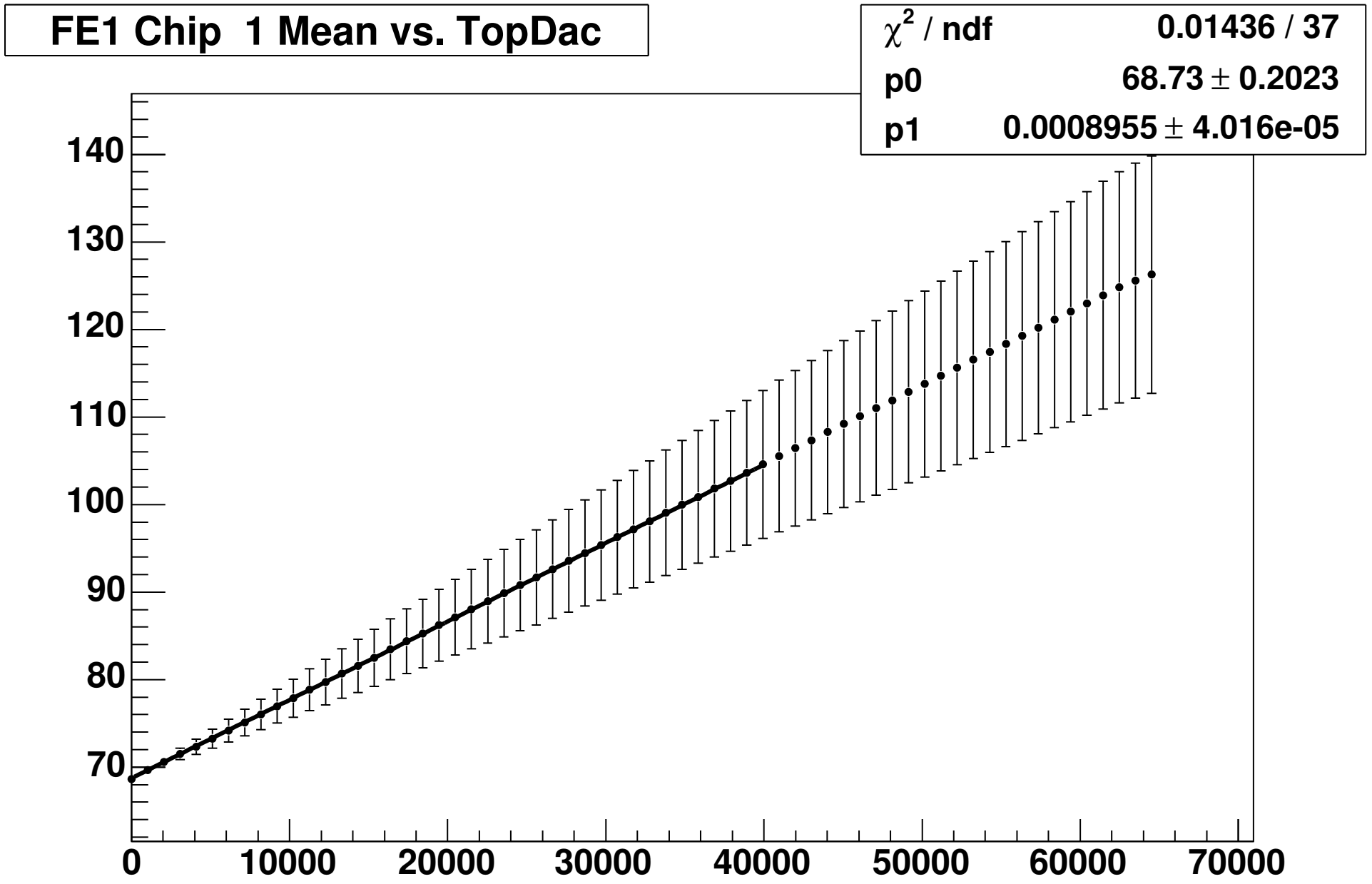
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 0.01436 / 37
p0 68.73 ± 0.2023
p1 0.0008955 ± 4.016e-05
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130
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110
100
90
80
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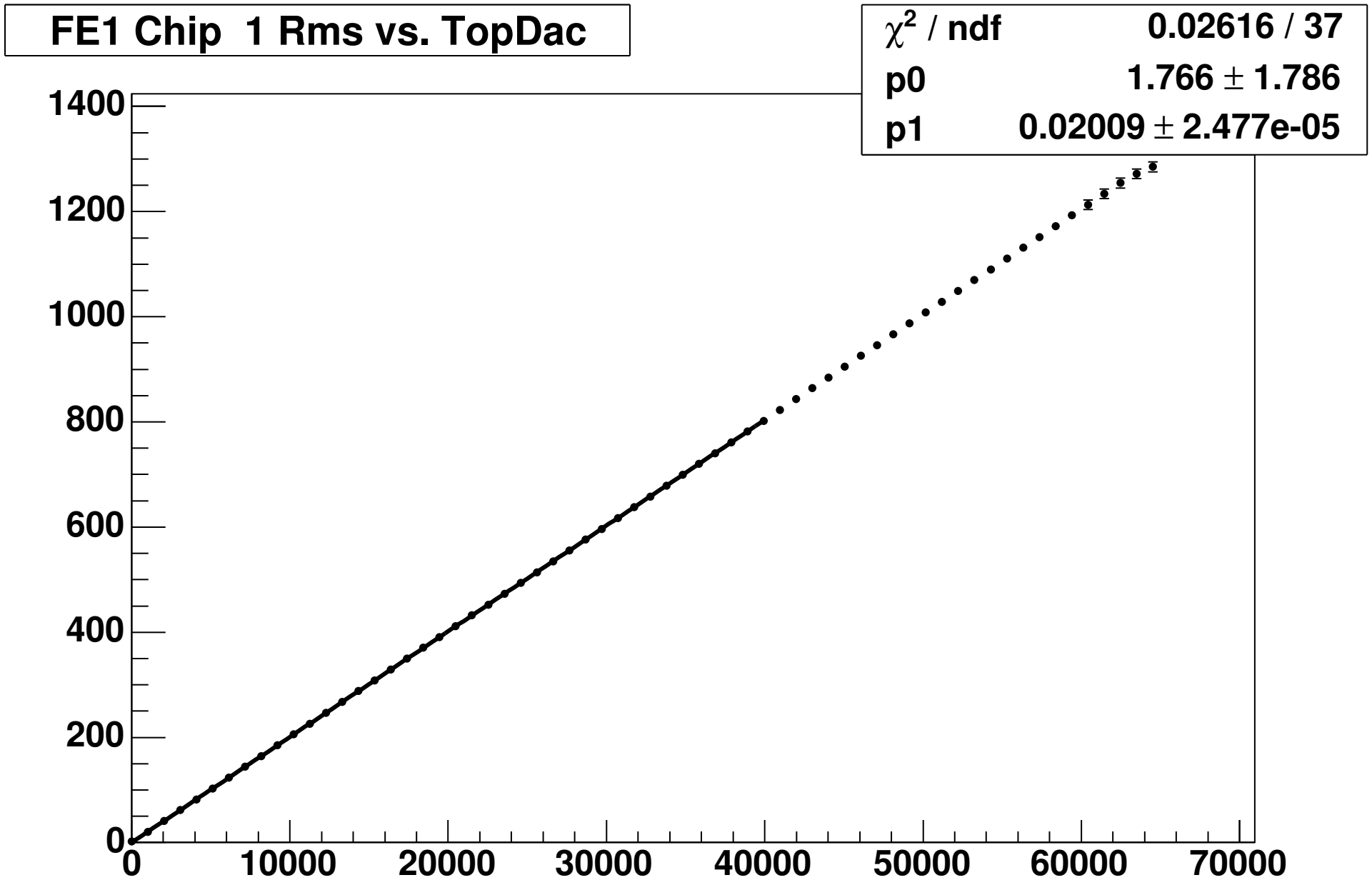
FE1 Chip 1 Rms vs. TopDac
χ² / ndf 0.02616 / 37
p0 1.766 ± 1.786
p1 0.02009 ± 2.477e-05
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1000
800
600
400
200
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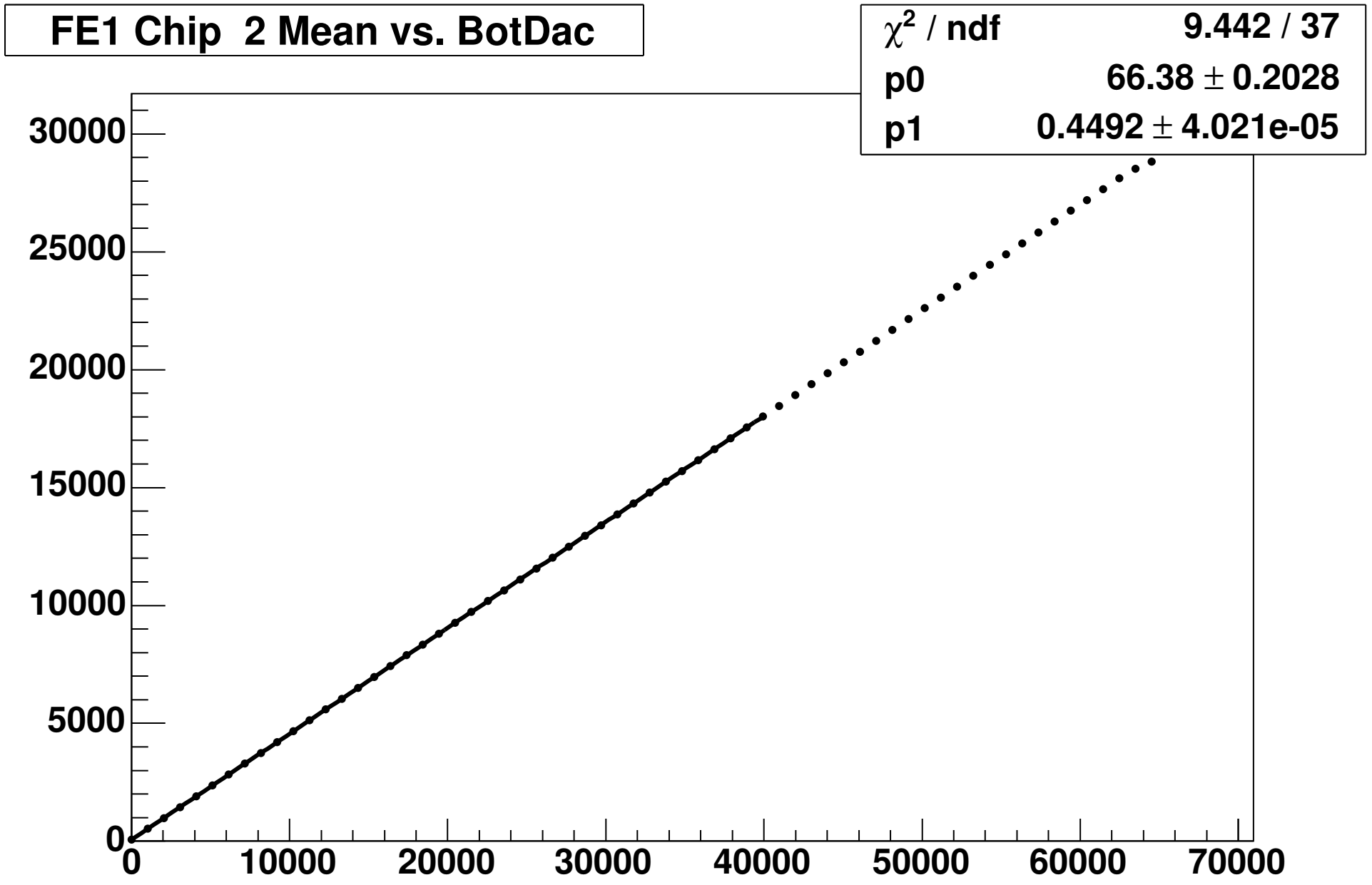
FE1 Chip 2 Mean vs. BotDac
χ² / ndf 9.442 / 37
p0 66.38 ± 0.2028
p1 0.4492 ± 4.021e-05
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20000
15000
10000
5000
0
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10000
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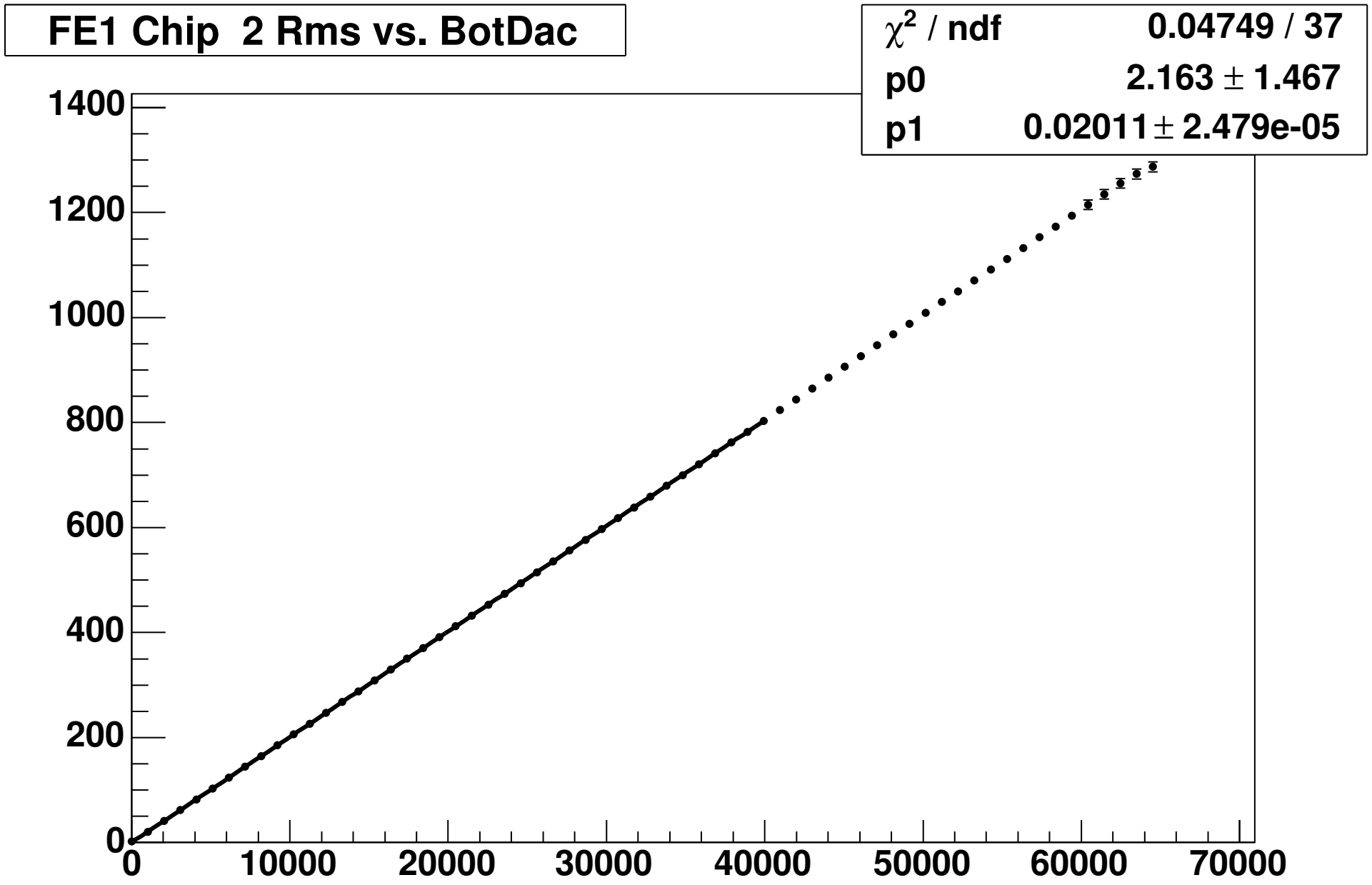
FE1 Chip 2 Rms vs. BotDac
χ² / ndf 0.04749 / 37
p0 2.163 ± 1.467
p1 0.02011 ± 2.479e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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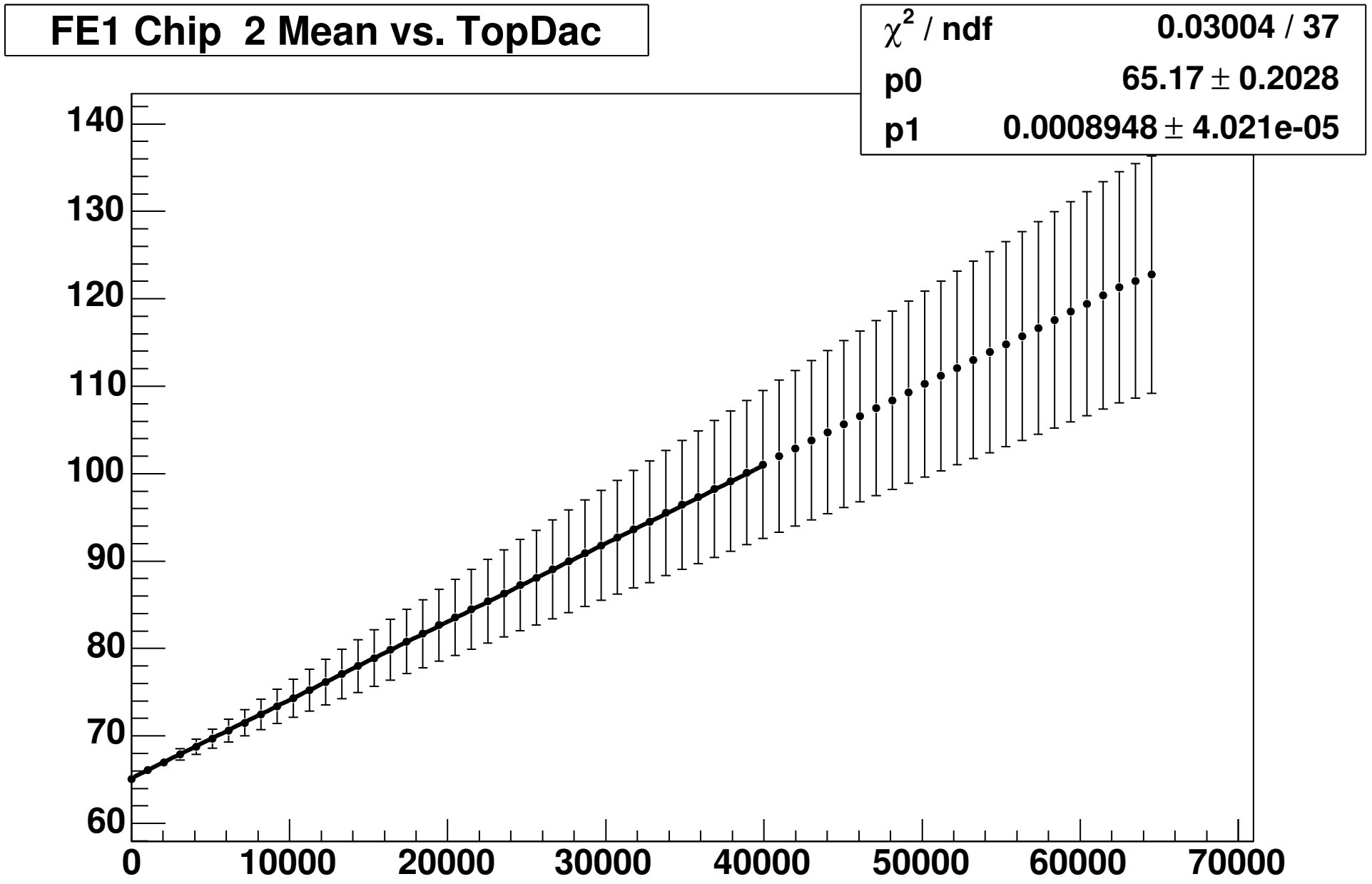
FE1 Chip 2 Mean vs. TopDac
χ² / ndf 0.03004 / 37
p0 65.17 ± 0.2028
p1 0.0008948 ± 4.021e-05
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130
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110
100
90
80
70
60
0
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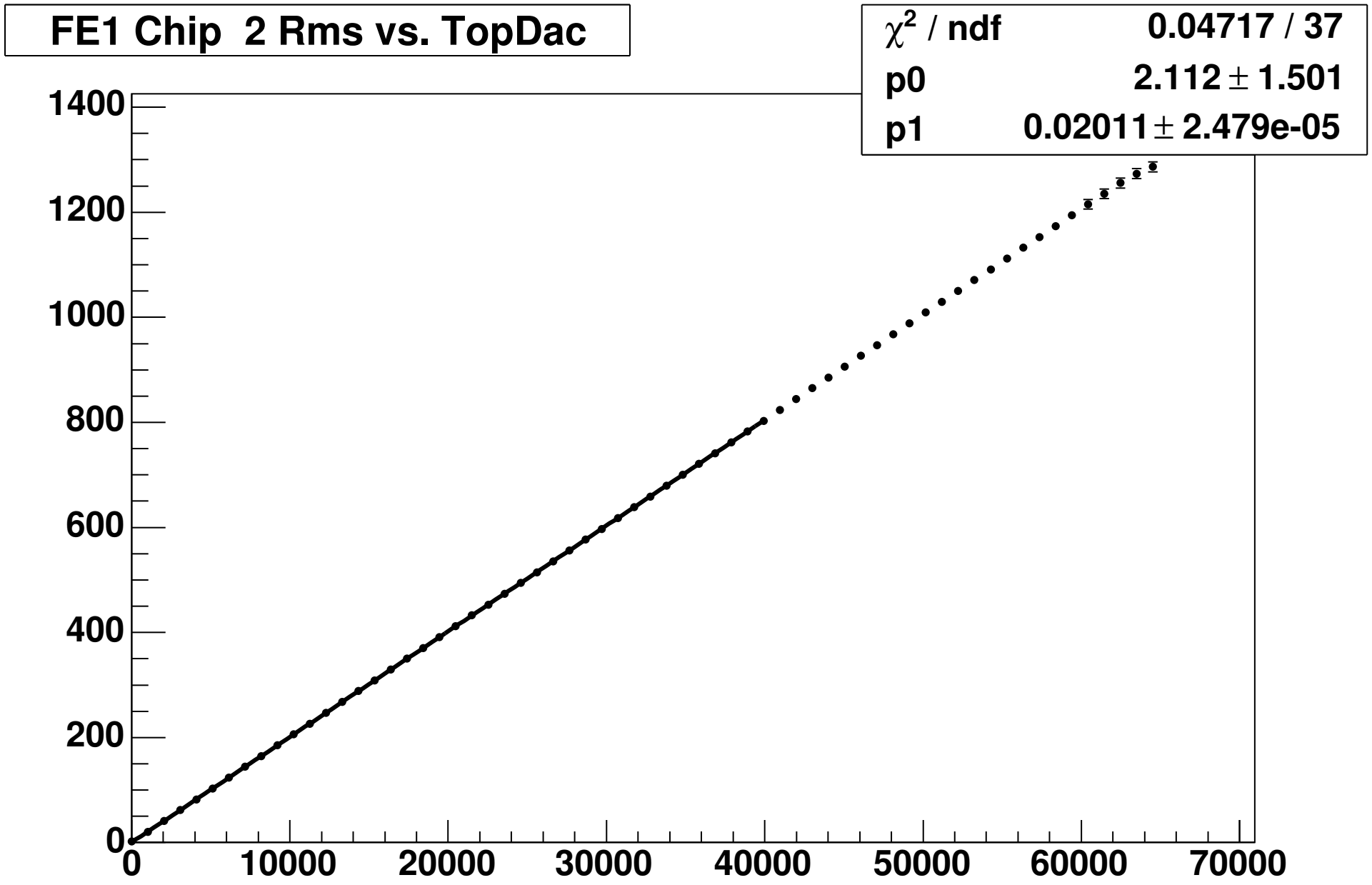
FE1 Chip 2 Rms vs. TopDac
χ² / ndf 0.04717 / 37
p0 2.112 ± 1.501
p1 0.02011 ± 2.479e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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50000
60000
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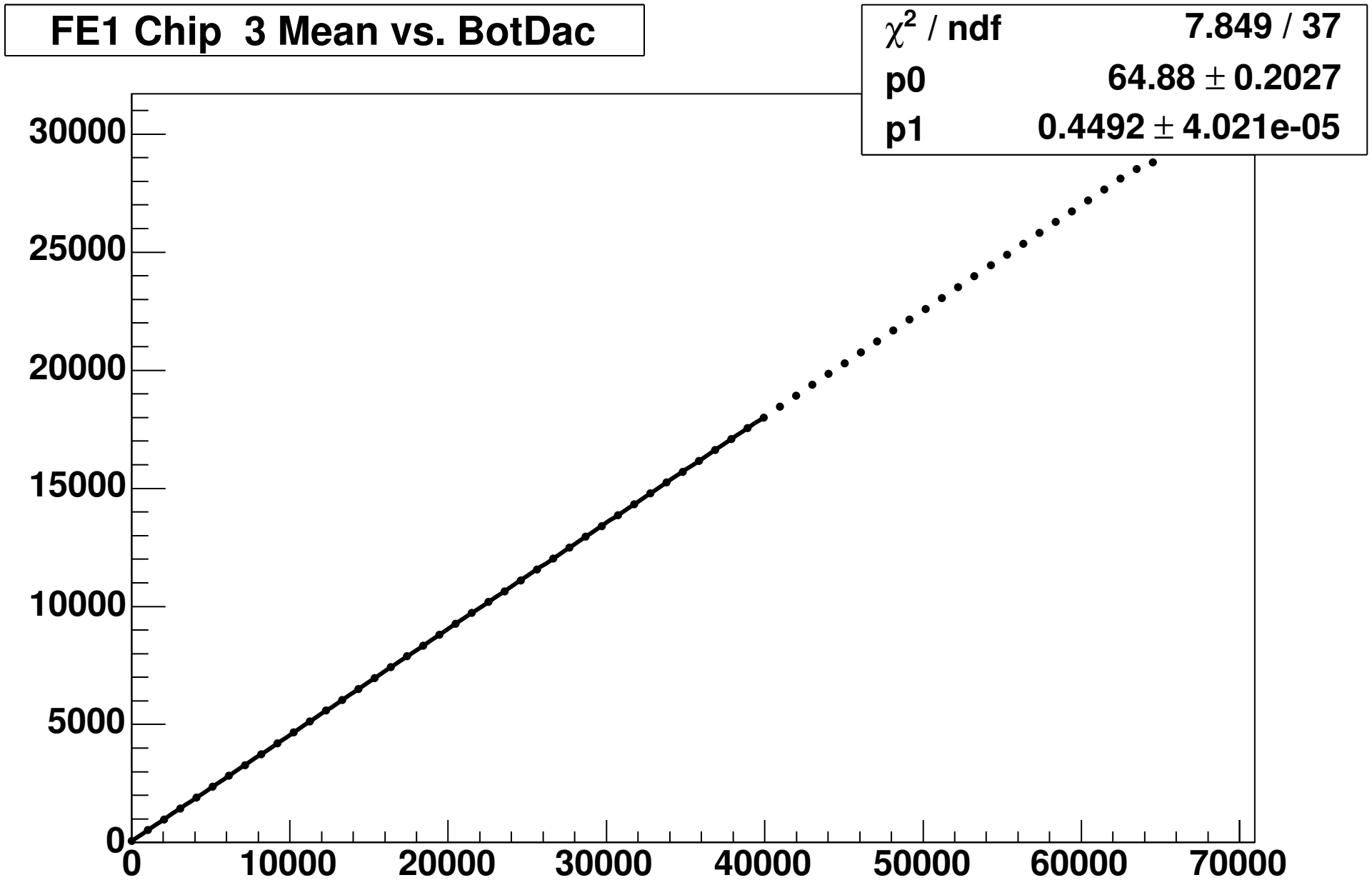
FE1 Chip 3 Mean vs. BotDac
χ² / ndf 7.849 / 37
p0 64.88 ± 0.2027
p1 0.4492 ± 4.021e-05
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20000
15000
10000
5000
0
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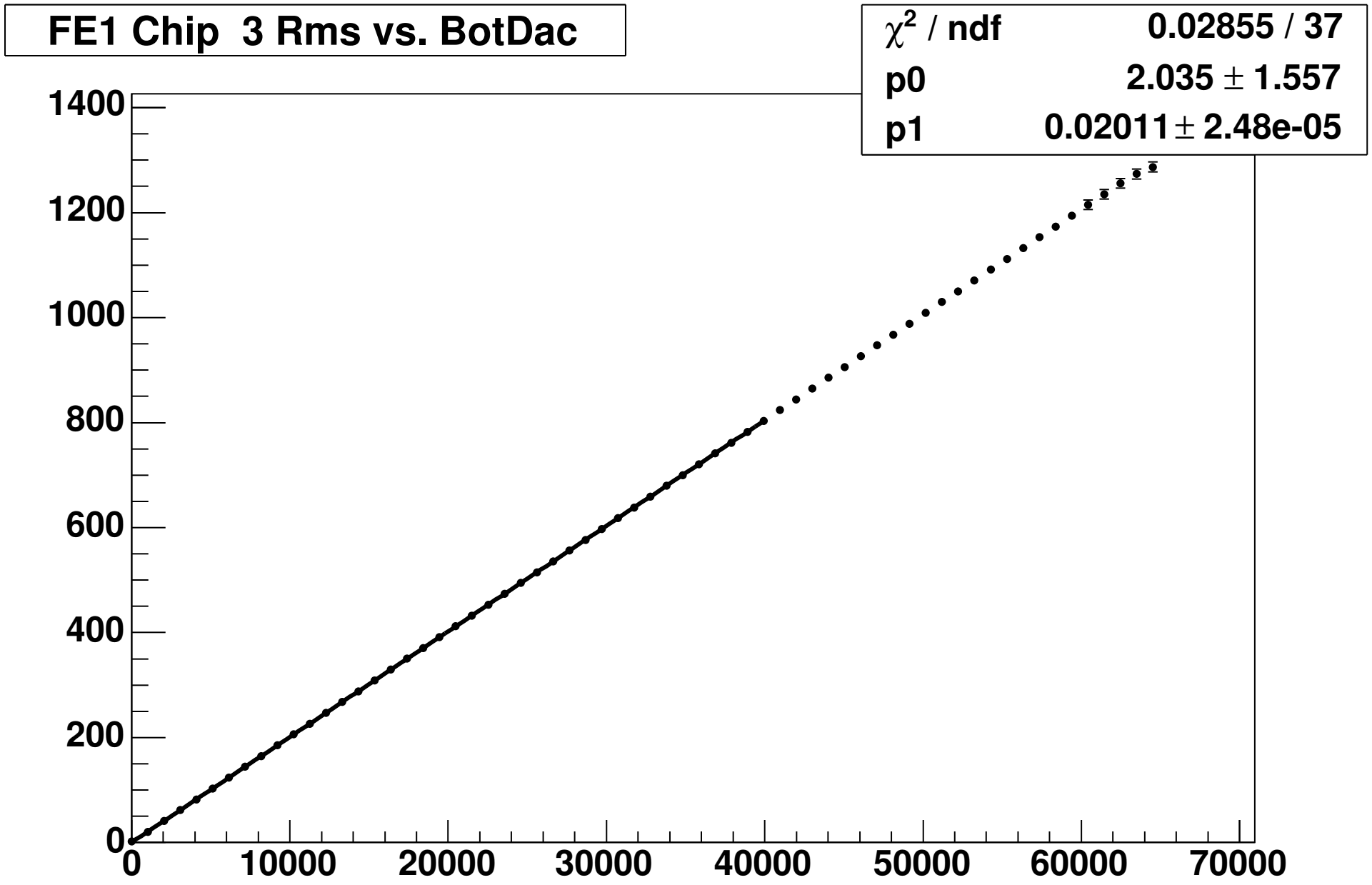
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 0.02855 / 37
p0 2.035 ± 1.557
p1 0.02011 ± 2.48e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
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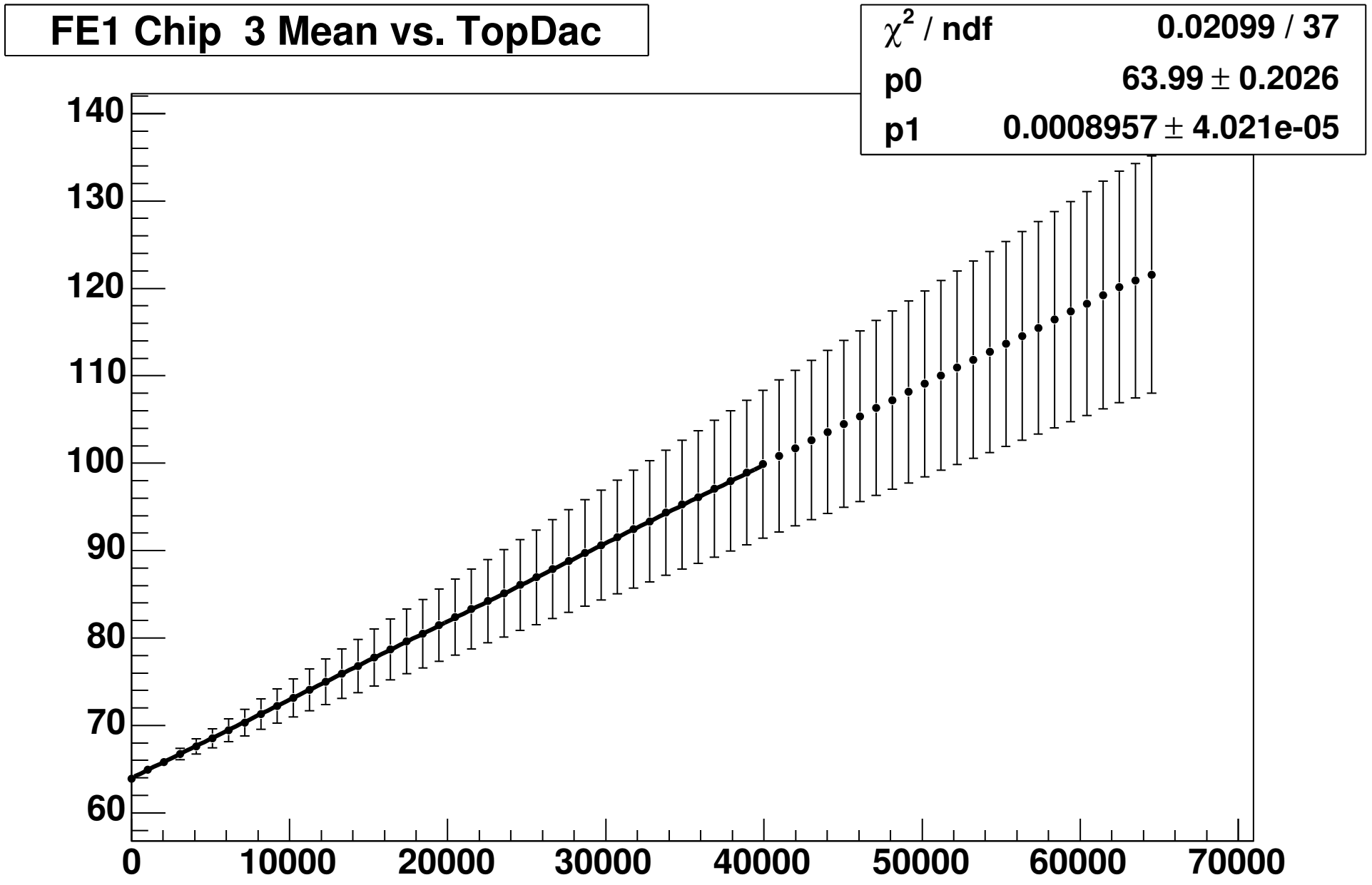
FE1 Chip 3 Mean vs. TopDac
χ² / ndf 0.02099 / 37
p0 63.99 ± 0.2026
p1 0.0008957 ± 4.021e-05
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130
120
110
100
90
80
70
60
0
10000
20000
30000
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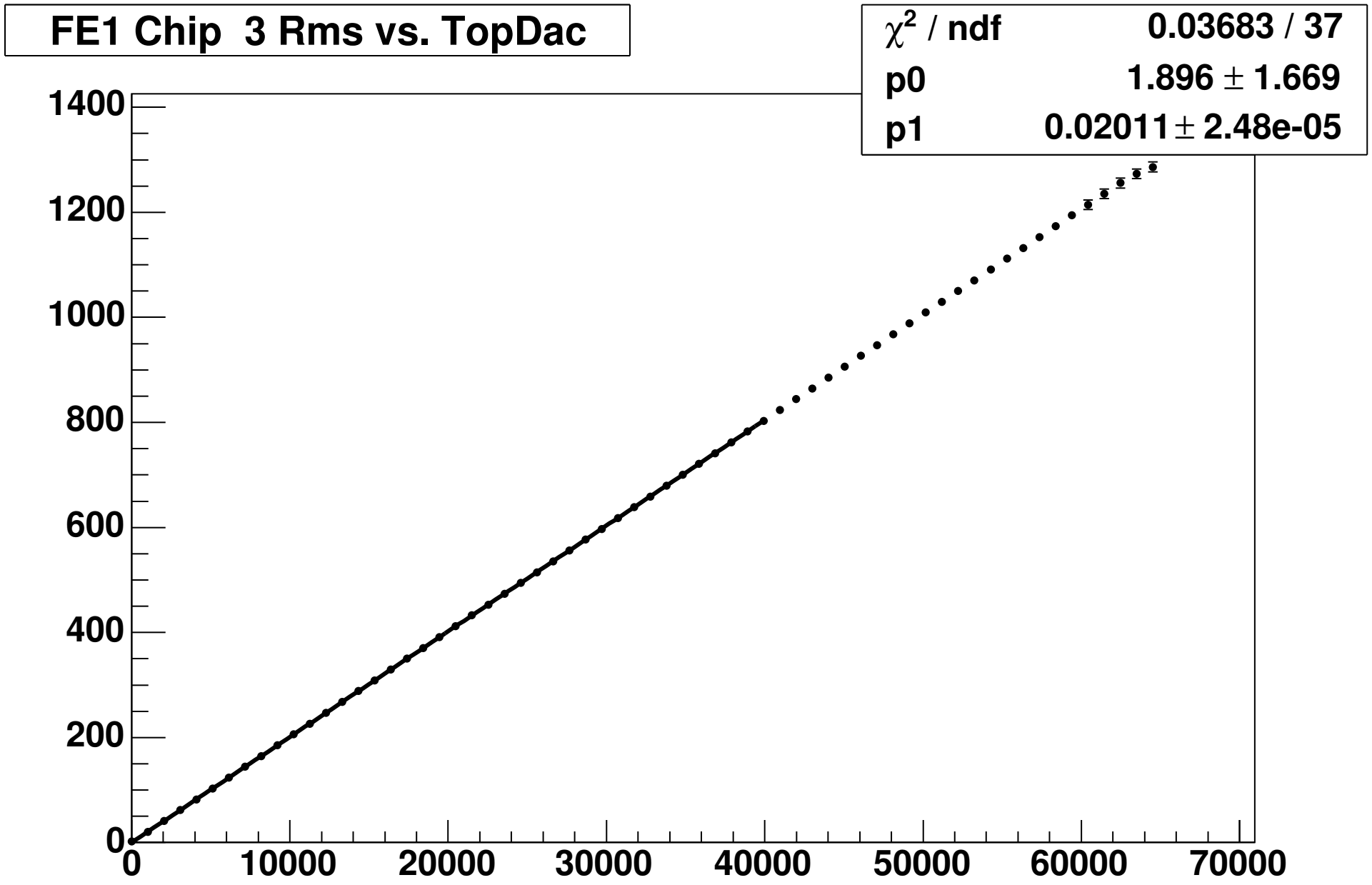
FE1 Chip 3 Rms vs. TopDac
χ² / ndf 0.03683 / 37
p0 1.896 ± 1.669
p1 0.02011 ± 2.48e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
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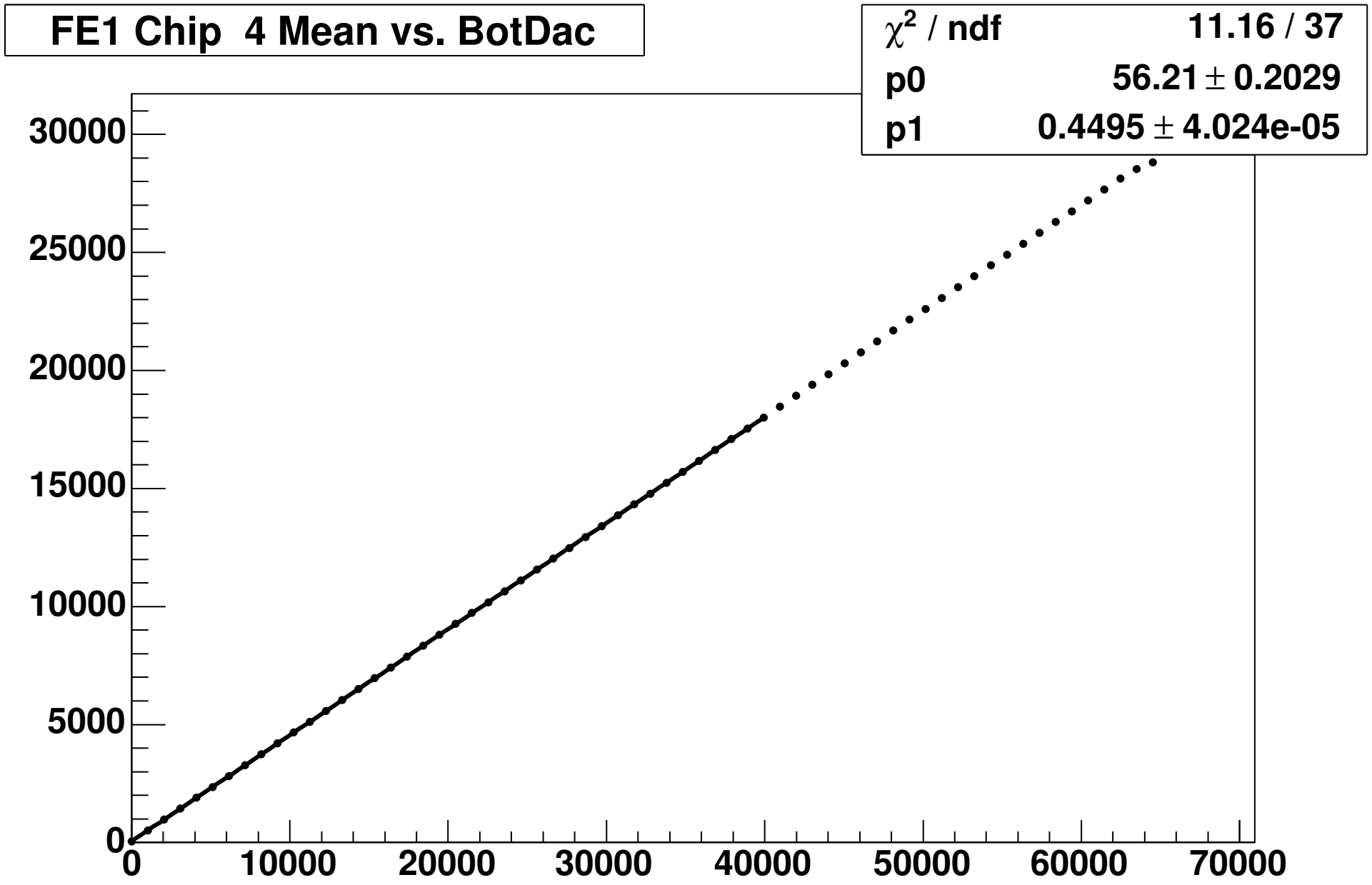
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 11.16 / 37
p0 56.21 ± 0.2029
p1 0.4495 ± 4.024e-05
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20000
15000
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5000
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10000
20000
30000
40000
50000
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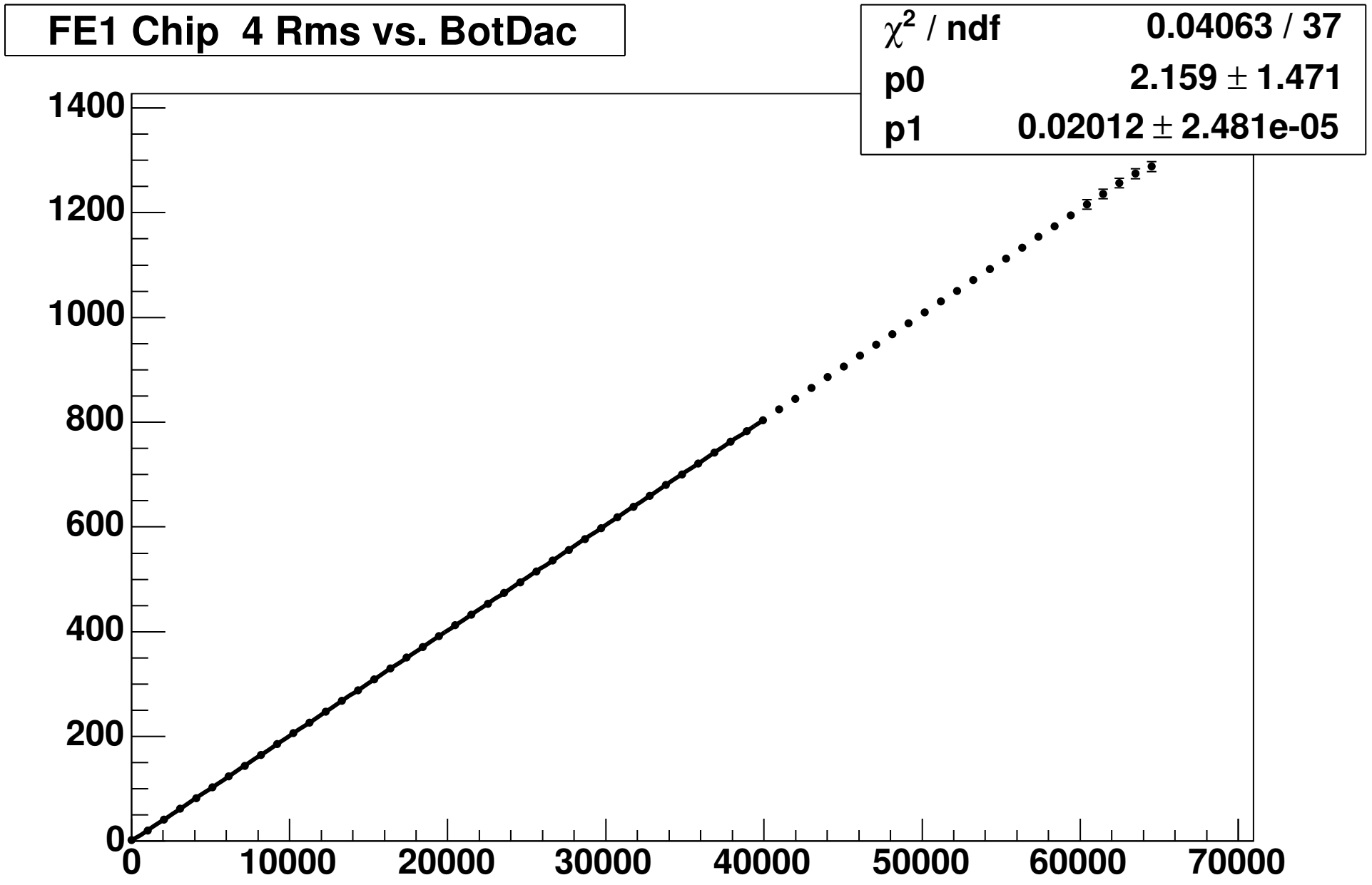
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 0.04063 / 37
p0 2.159 ± 1.471
p1 0.02012 ± 2.481e-05
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1000
800
600
400
200
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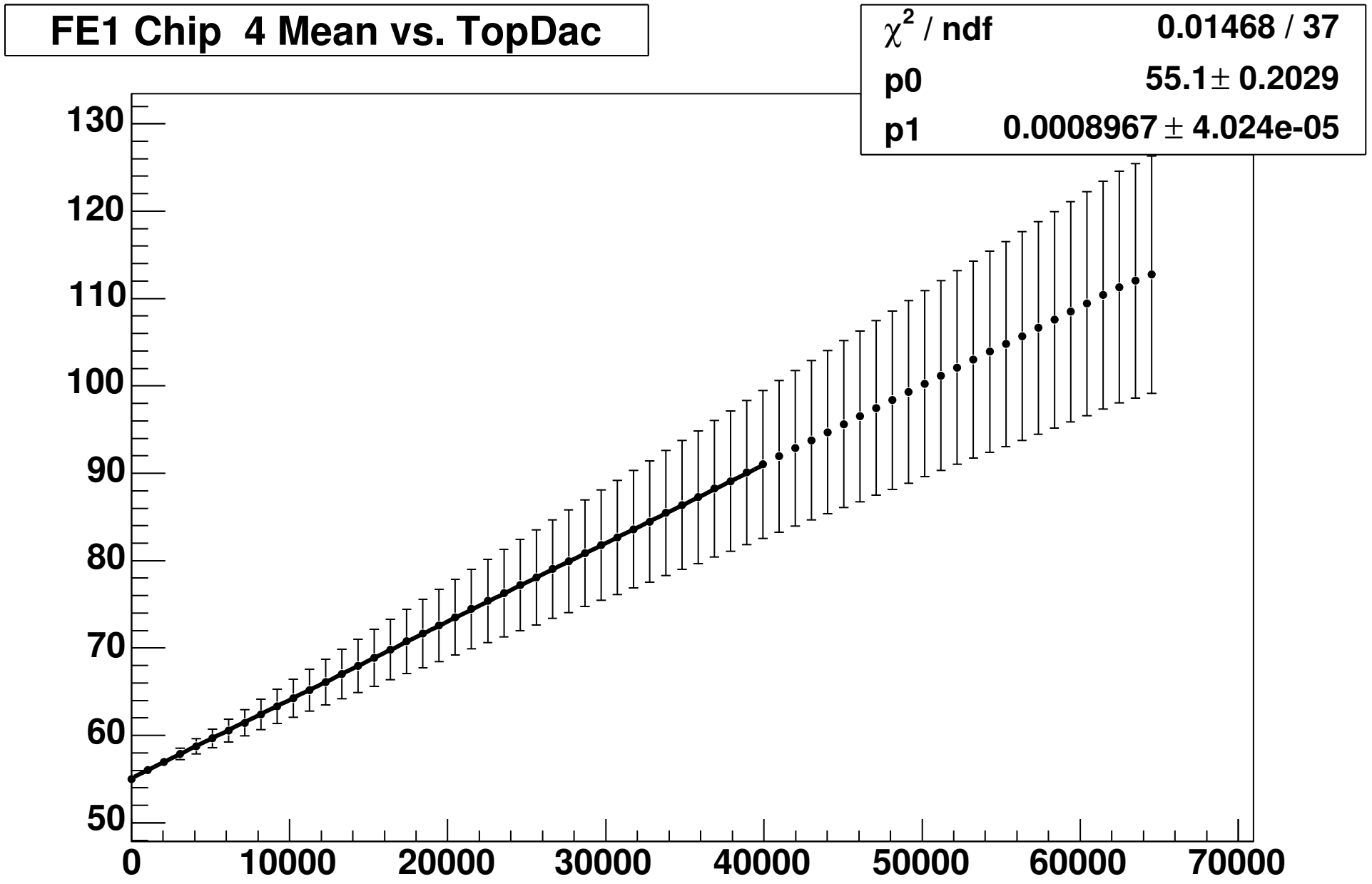
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 0.01468 / 37
p0 55.1 ± 0.2029
p1 0.0008967 ± 4.024e-05
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100
90
80
70
60
50
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20000
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60000
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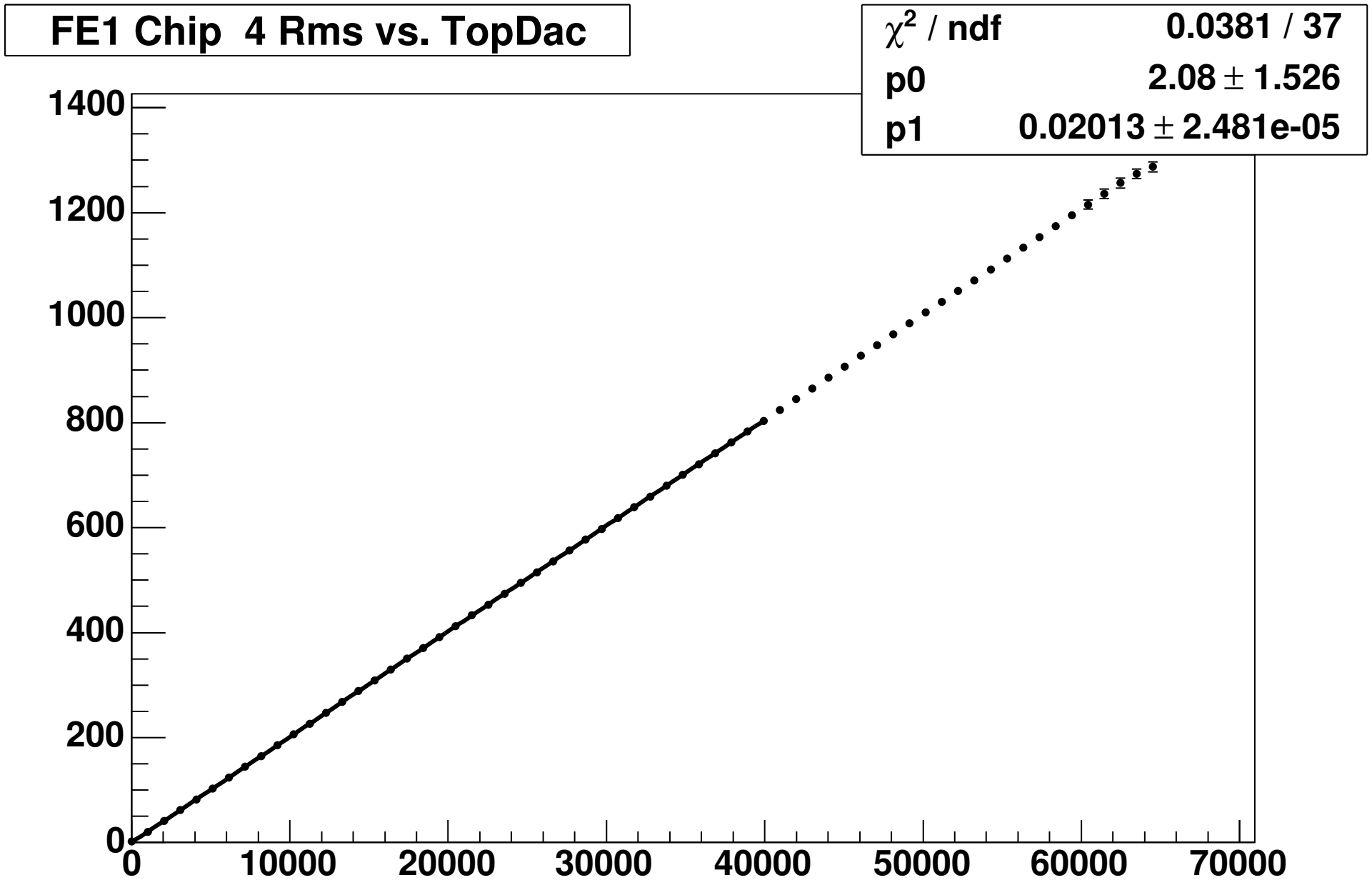
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 0.0381 / 37
p0 2.08 ± 1.526
p1 0.02013 ± 2.481e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
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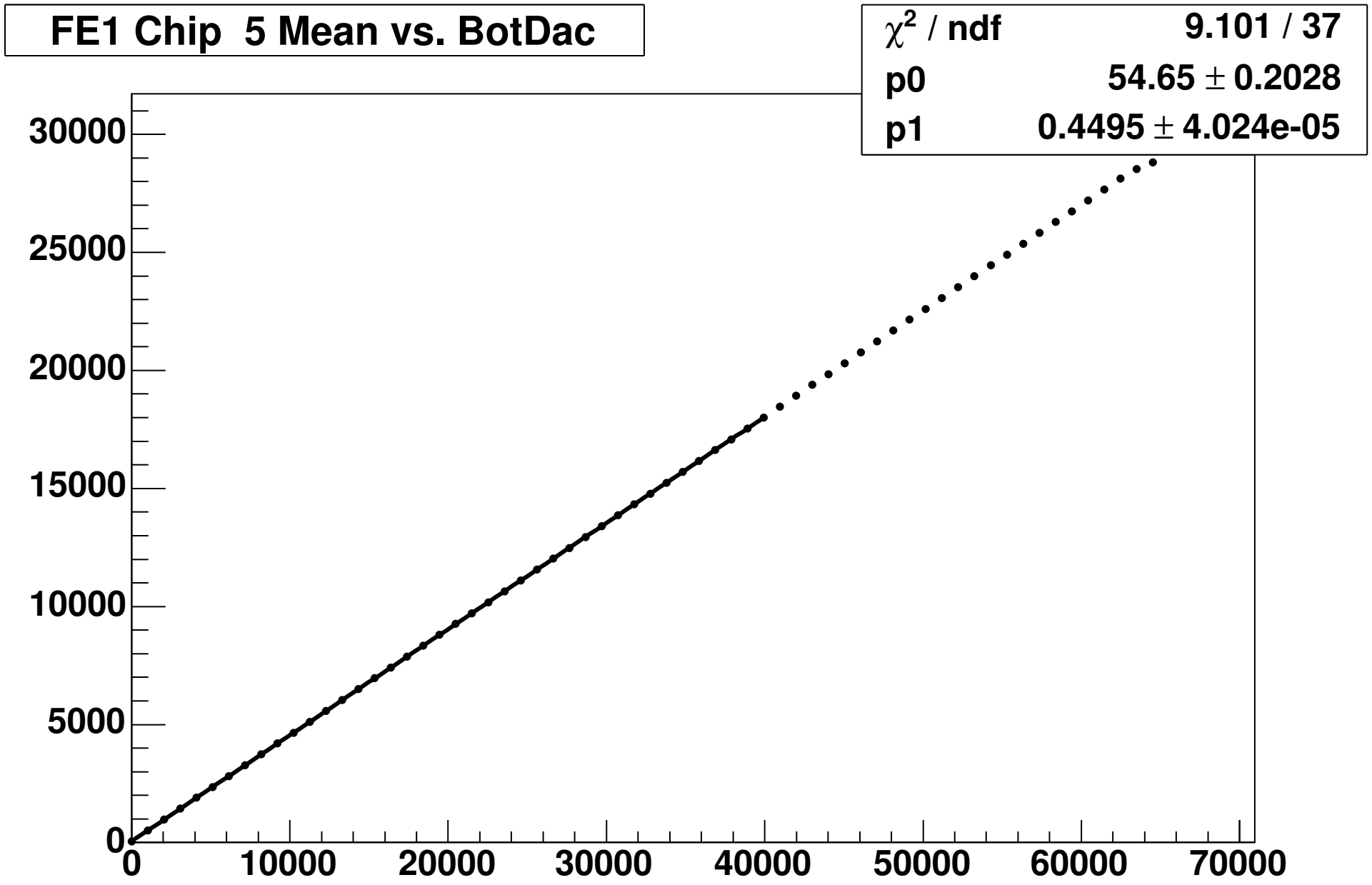
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 9.101 / 37
p0 54.65 ± 0.2028
p1 0.4495 ± 4.024e-05
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20000
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5000
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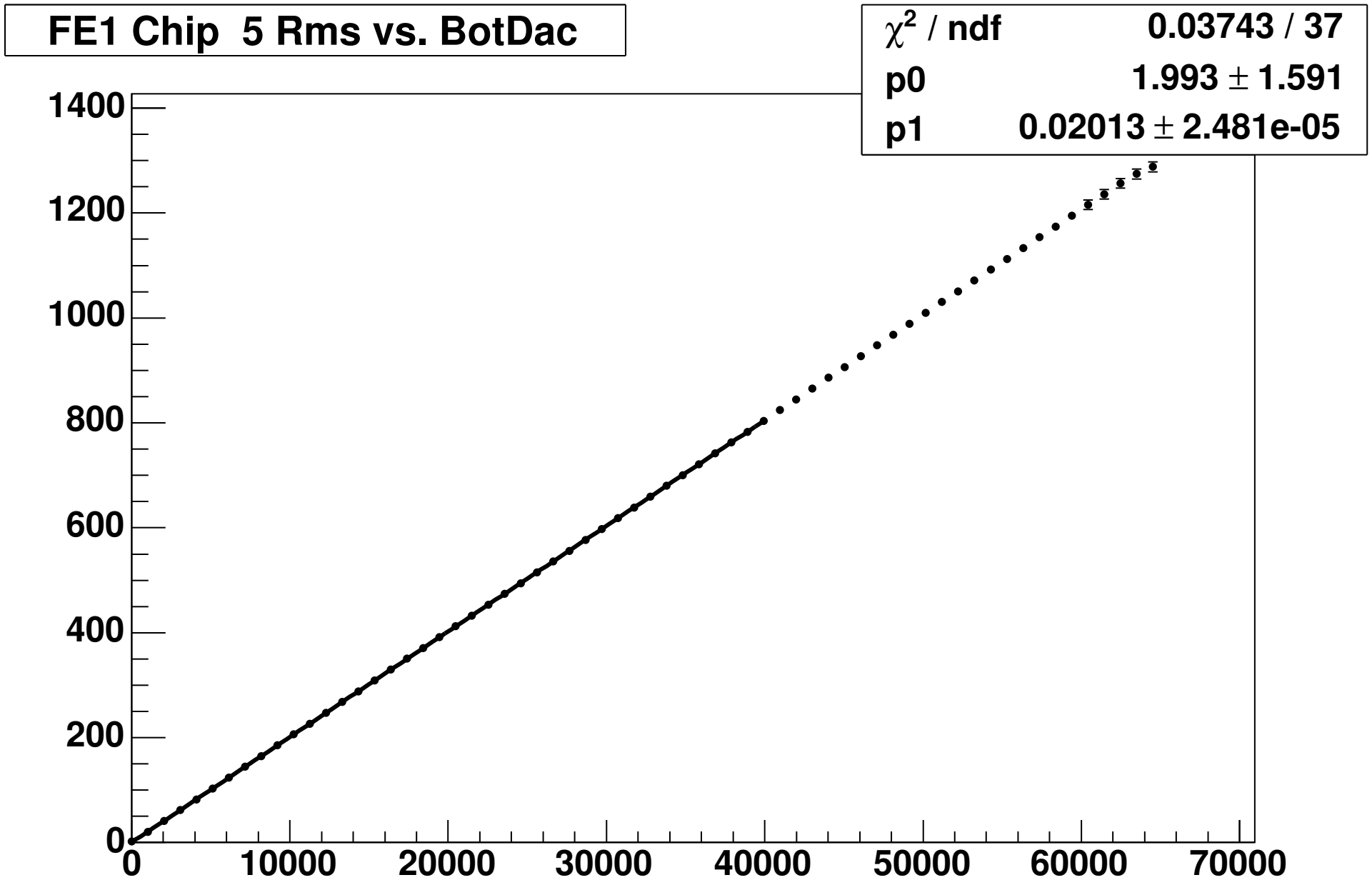
FE1 Chip 5 Rms vs. BotDac
χ² / ndf 0.03743 / 37
p0 1.993 ± 1.591
p1 0.02013 ± 2.481e-05
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1000
800
600
400
200
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0
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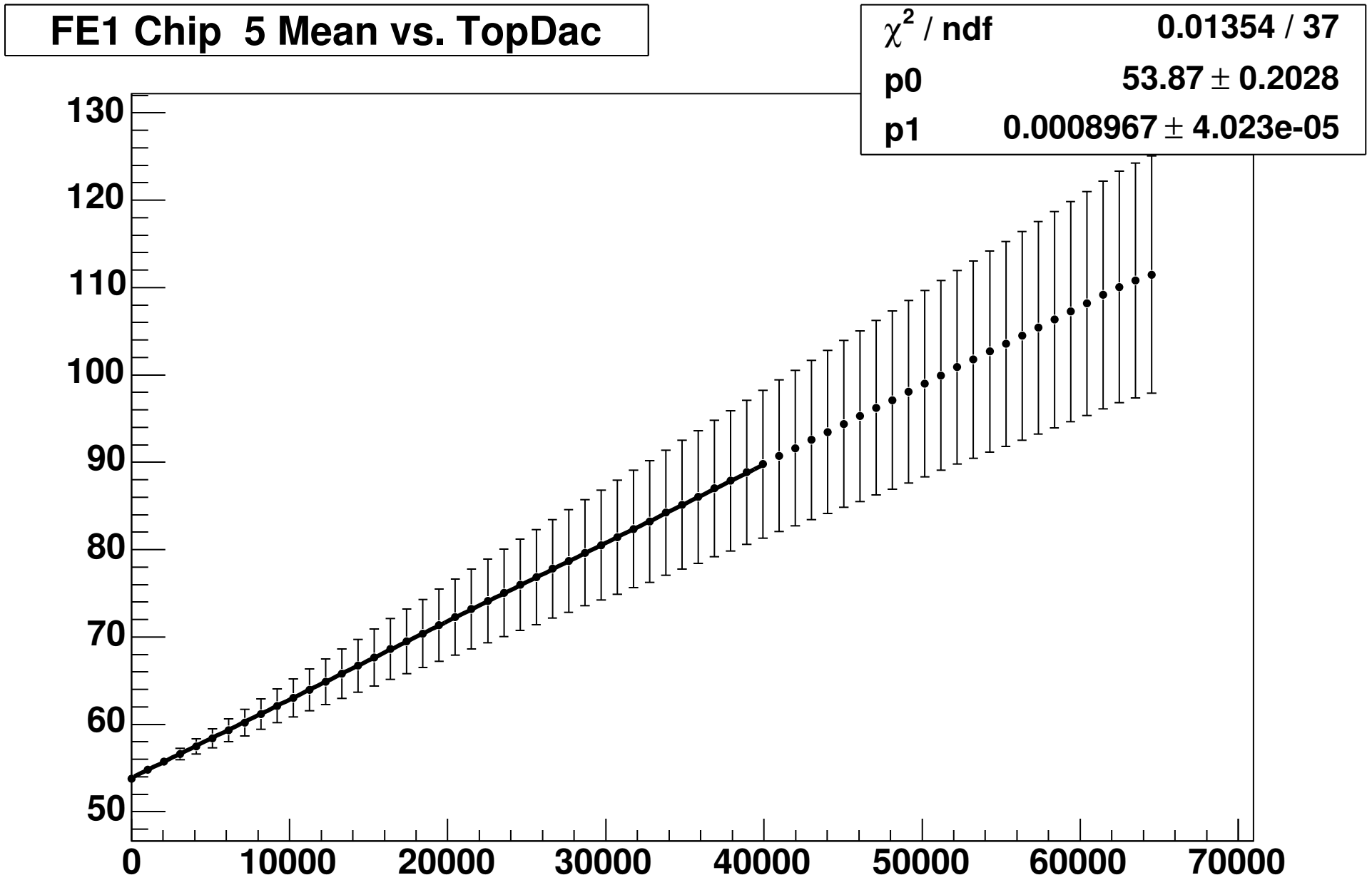
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 0.01354 / 37
p0 53.87 ± 0.2028
p1 0.0008967 ± 4.023e-05
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120
110
100
90
80
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60
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0
10000
20000
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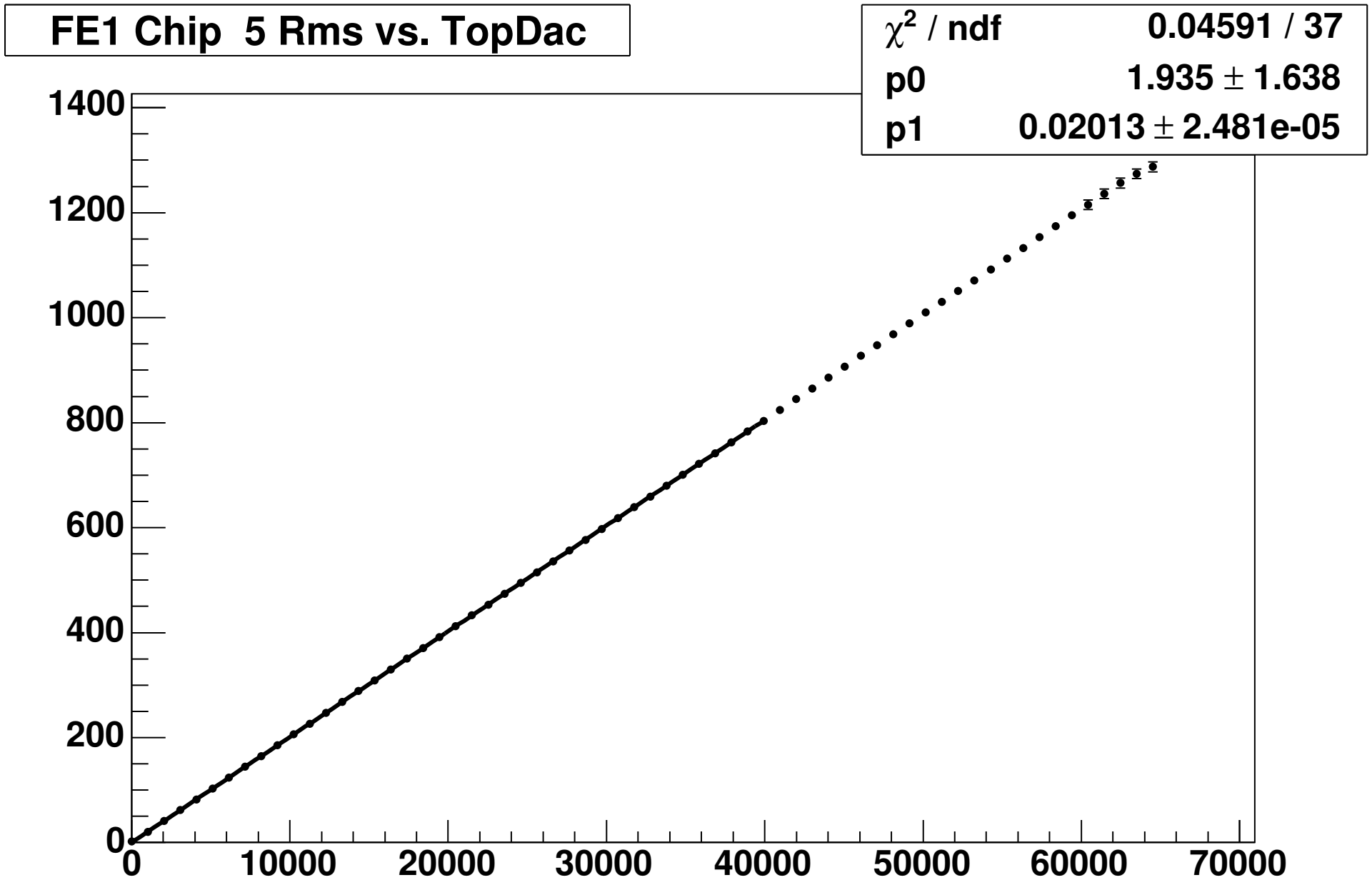
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 0.04591 / 37
p0 1.935 ± 1.638
p1 0.02013 ± 2.481e-05
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1000
800
600
400
200
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10000
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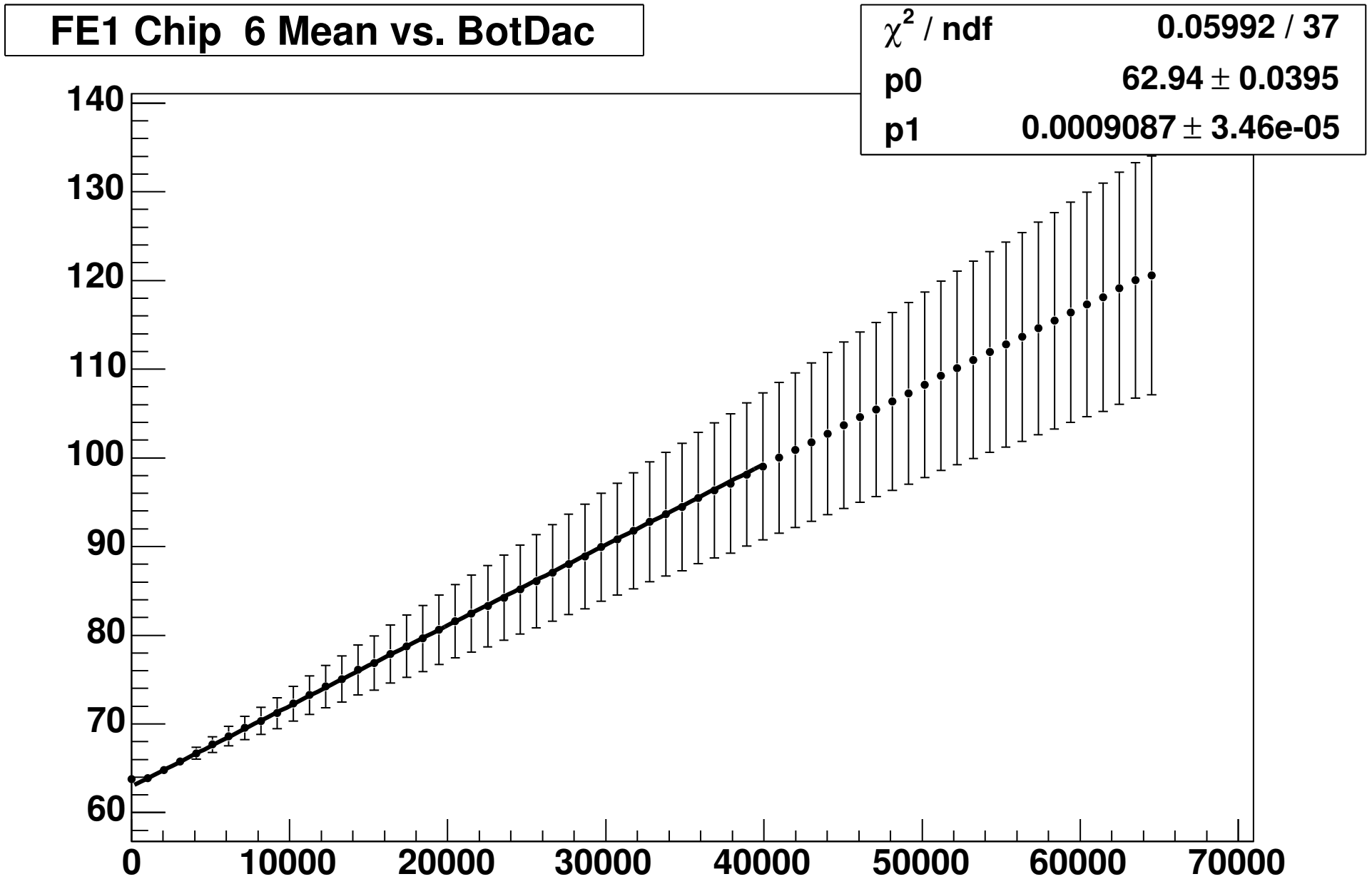
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 0.05992 / 37
p0 62.94 ± 0.0395
p1 0.0009087 ± 3.46e-05
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130
120
110
100
90
80
70
60
0
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20000
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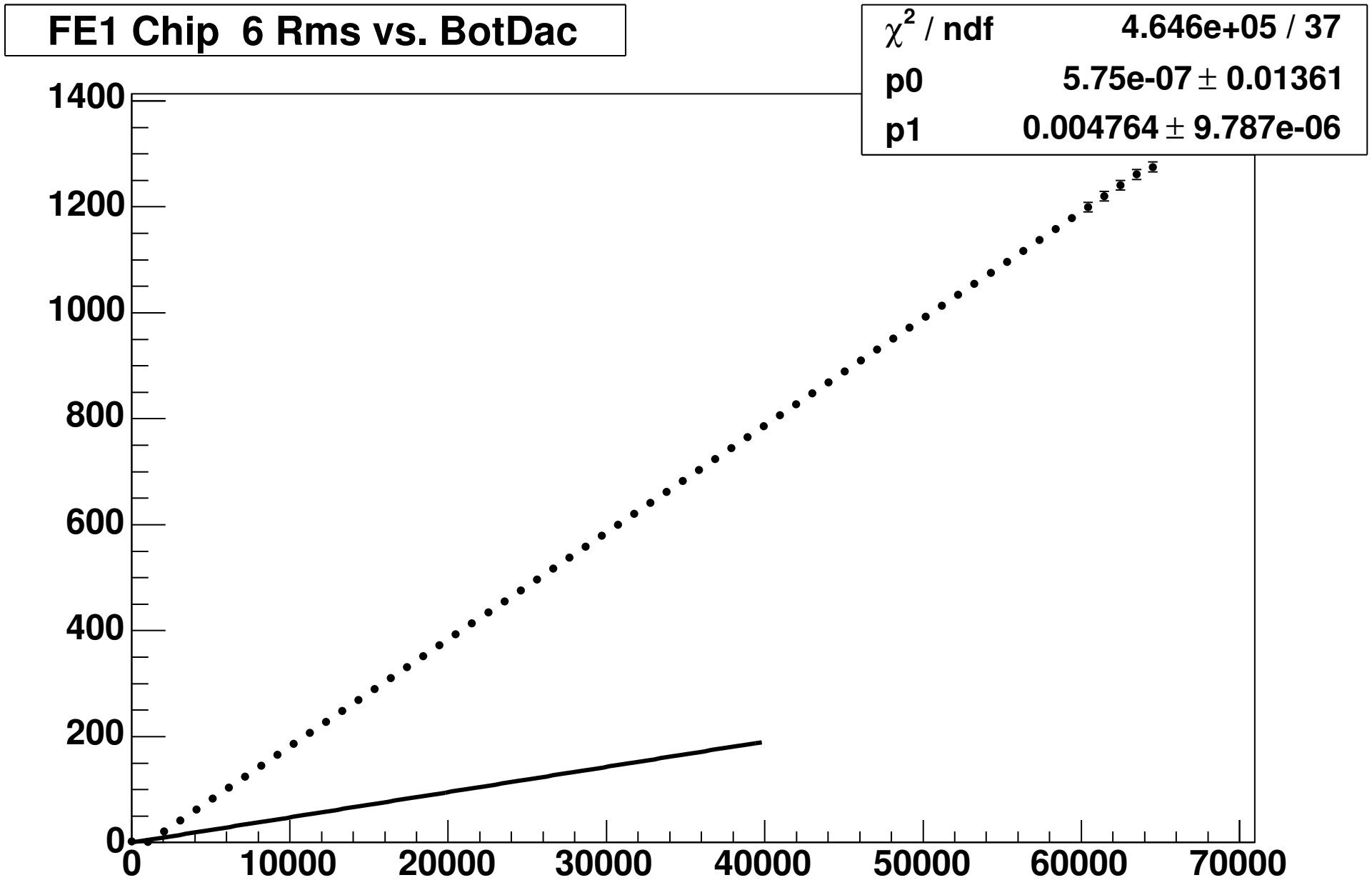
FE1 Chip 6 Rms vs. BotDac
χ² / ndf 4.646e+05 / 37
p0 5.75e-07 ± 0.01361
p1 0.004764 ± 9.787e-06
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1000
800
600
400
200
0
0
10000
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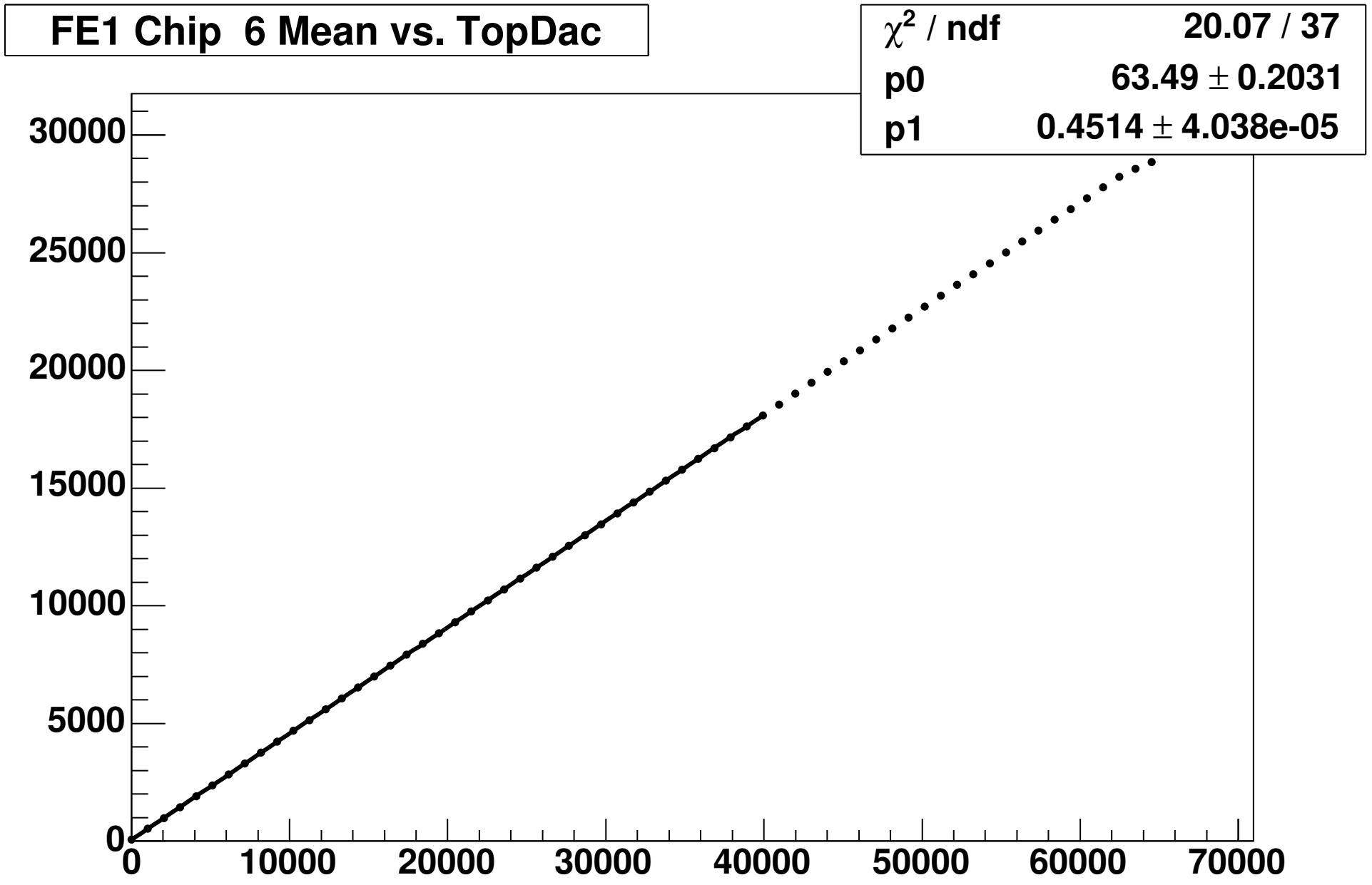
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 20.07 / 37
p0 63.49 ± 0.2031
p1 0.4514 ± 4.038e-05
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20000
15000
10000
5000
0
0
10000
20000
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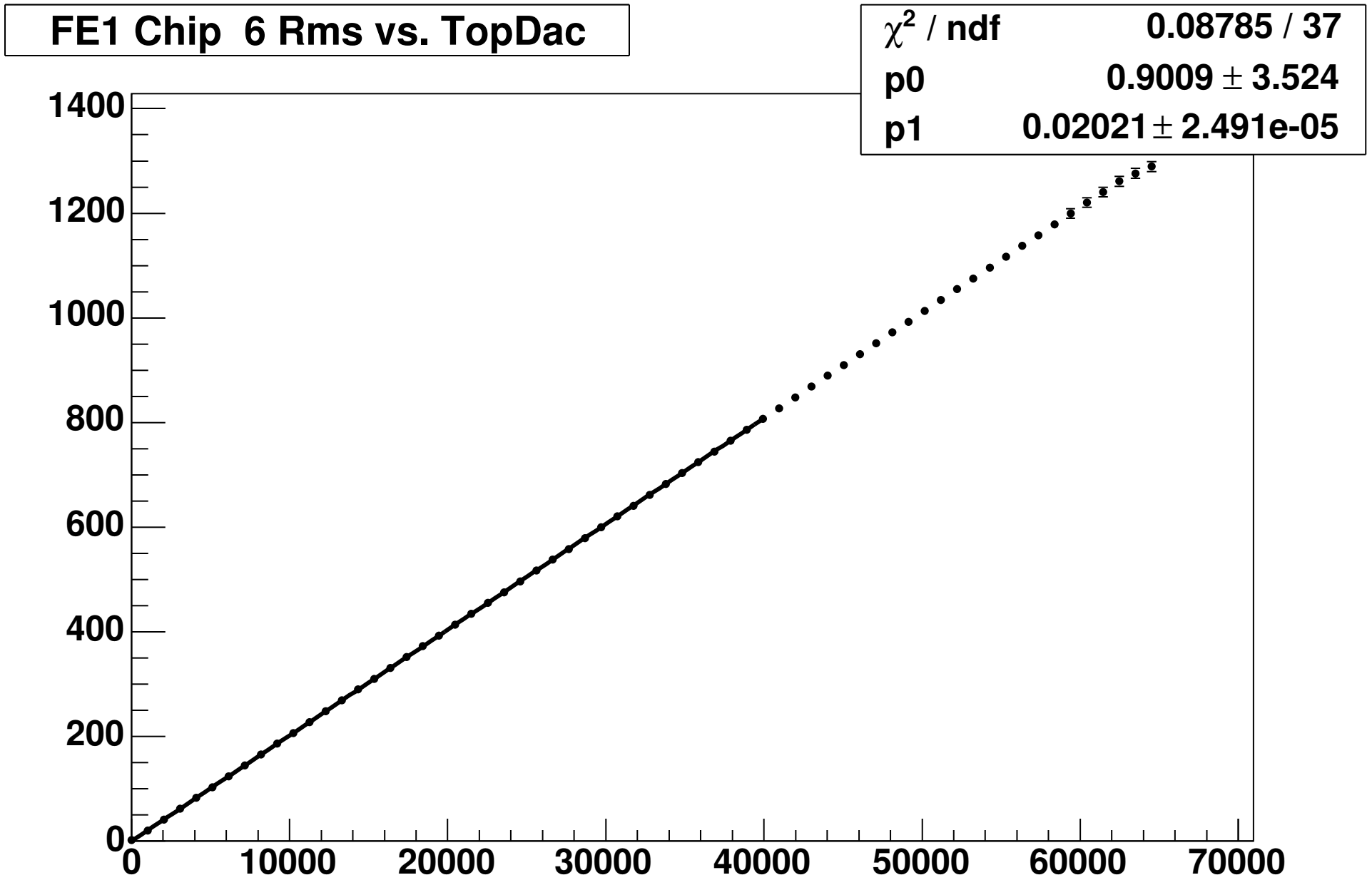
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 0.08785 / 37
p0 0.9009 ± 3.524
p1 0.02021 ± 2.491e-05
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1200
1000
800
600
400
200
0
0
10000
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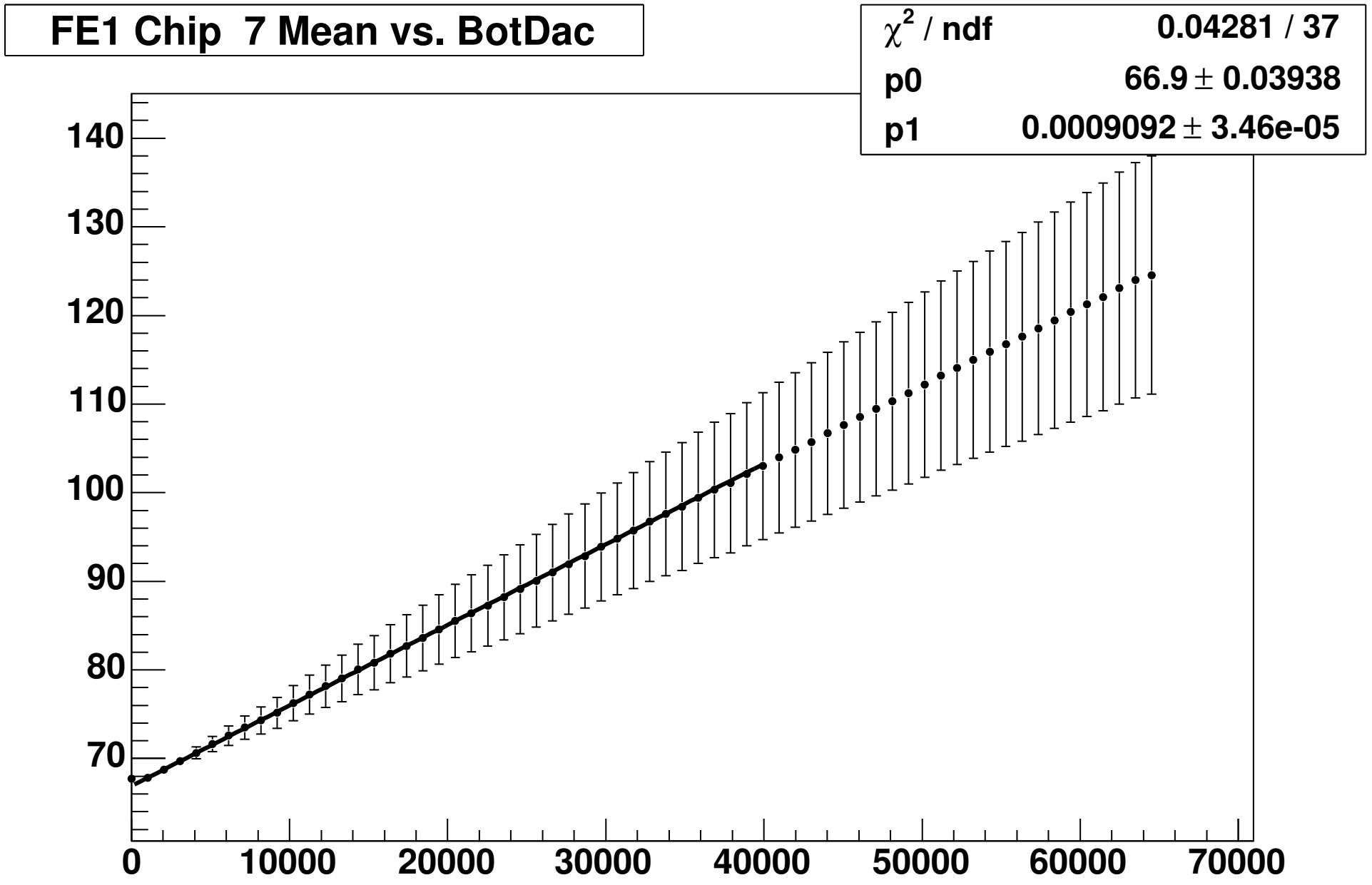
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 0.04281 / 37
p0 66.9 ± 0.03938
p1 0.0009092 ± 3.46e-05
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130
120
110
100
90
80
70
0
10000
20000
30000
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50000
60000
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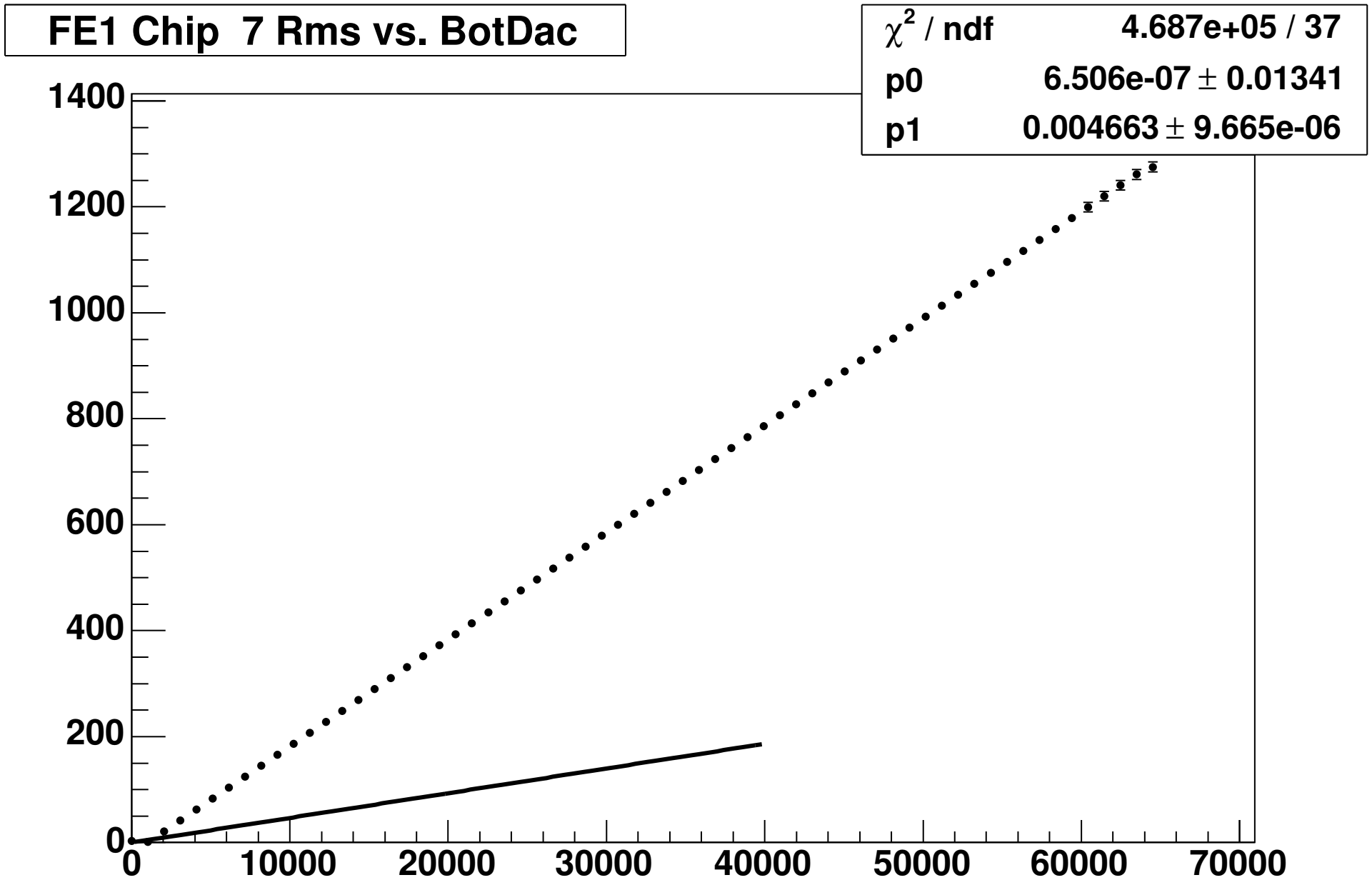
FE1 Chip 7 Rms vs. BotDac
χ² / ndf 4.687e+05 / 37
p0 6.506e-07 ± 0.01341
p1 0.004663 ± 9.665e-06
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1200
1000
800
600
400
200
0
0
10000
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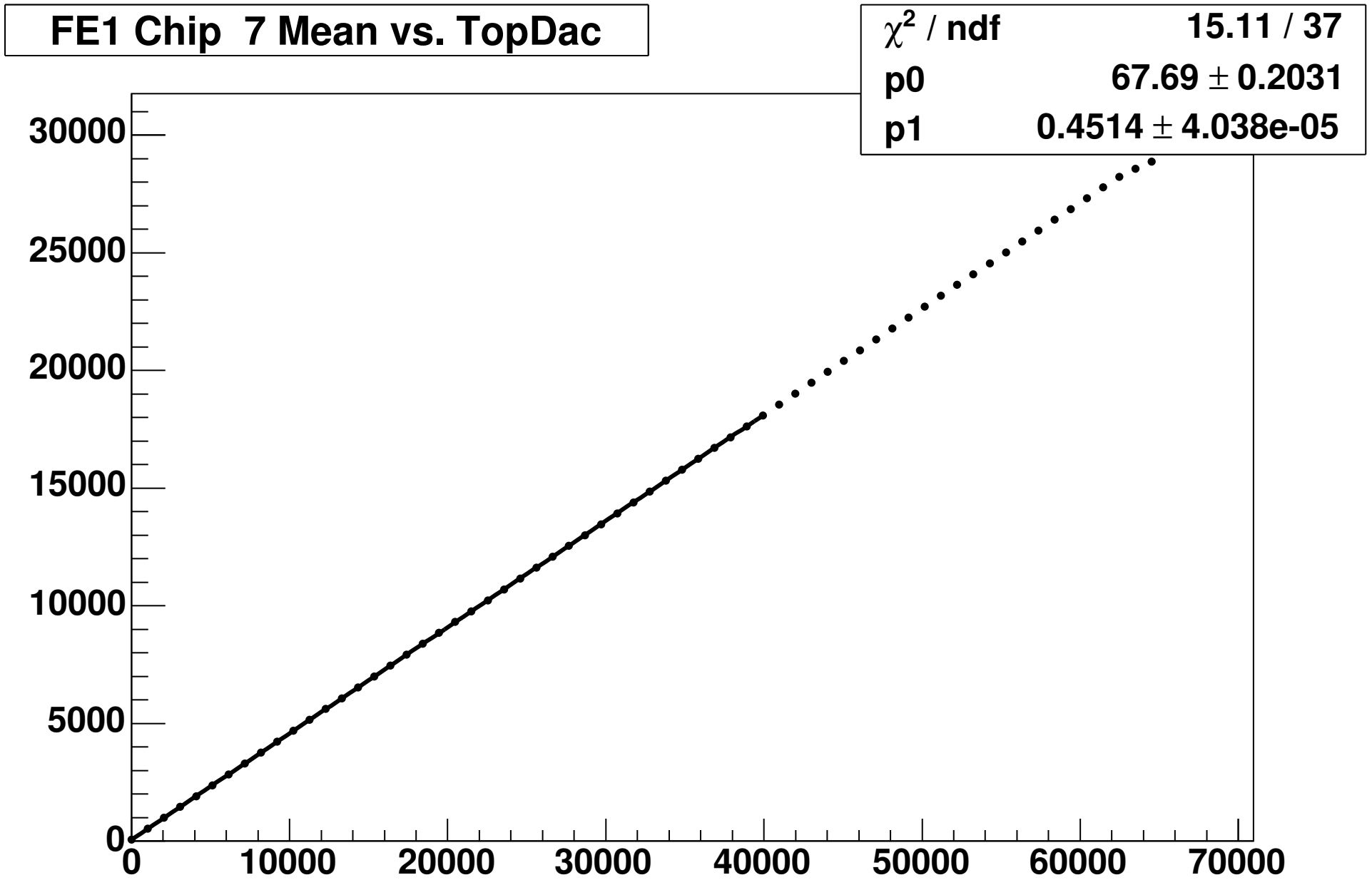
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 15.11 / 37
p0 67.69 ± 0.2031
p1 0.4514 ± 4.038e-05
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25000
20000
15000
10000
5000
0
0
10000
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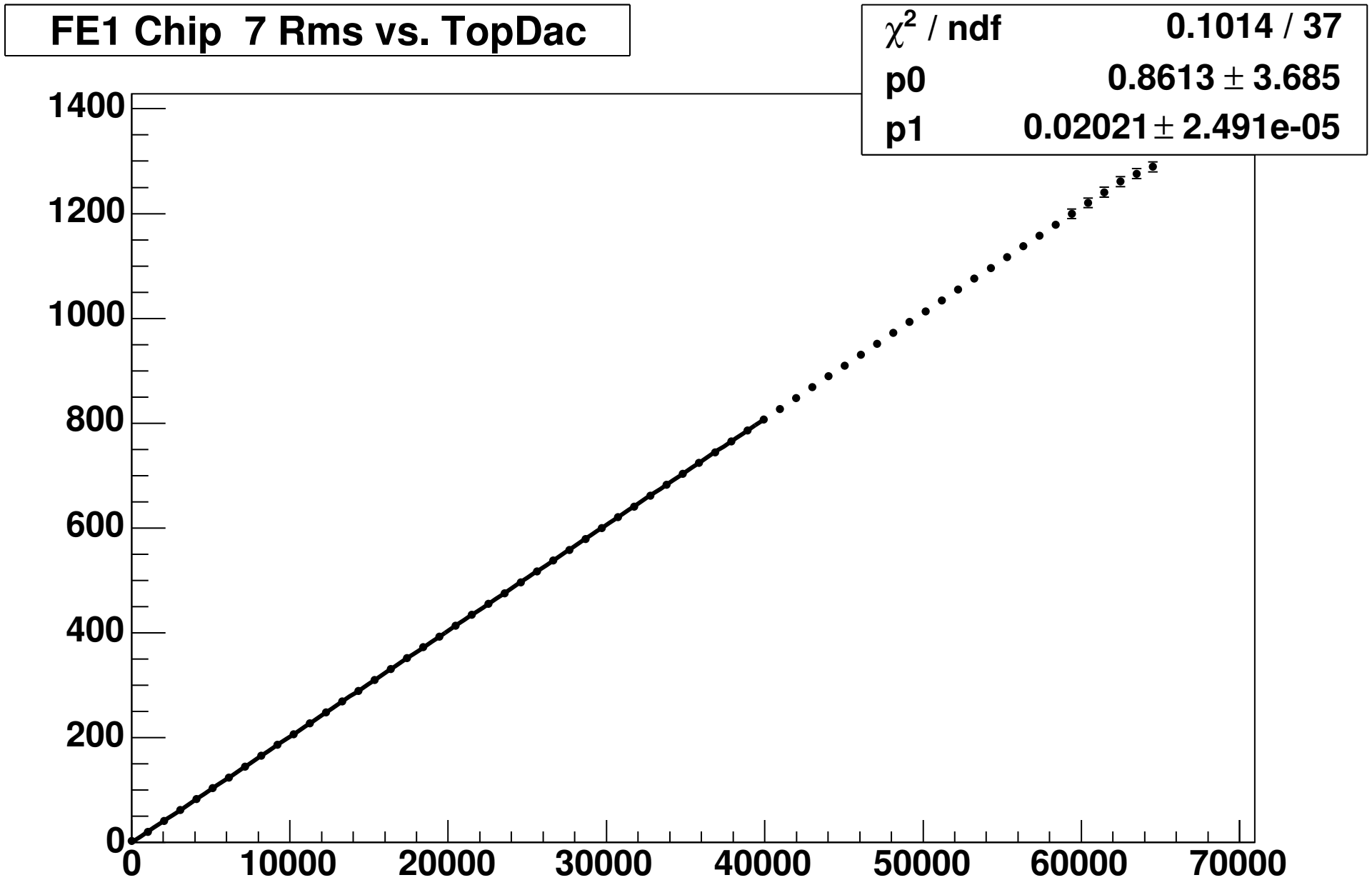
FE1 Chip 7 Rms vs. TopDac
χ² / ndf 0.1014 / 37
p0 0.8613 ± 3.685
p1 0.02021 ± 2.491e-05
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1200
1000
800
600
400
200
0
0
10000
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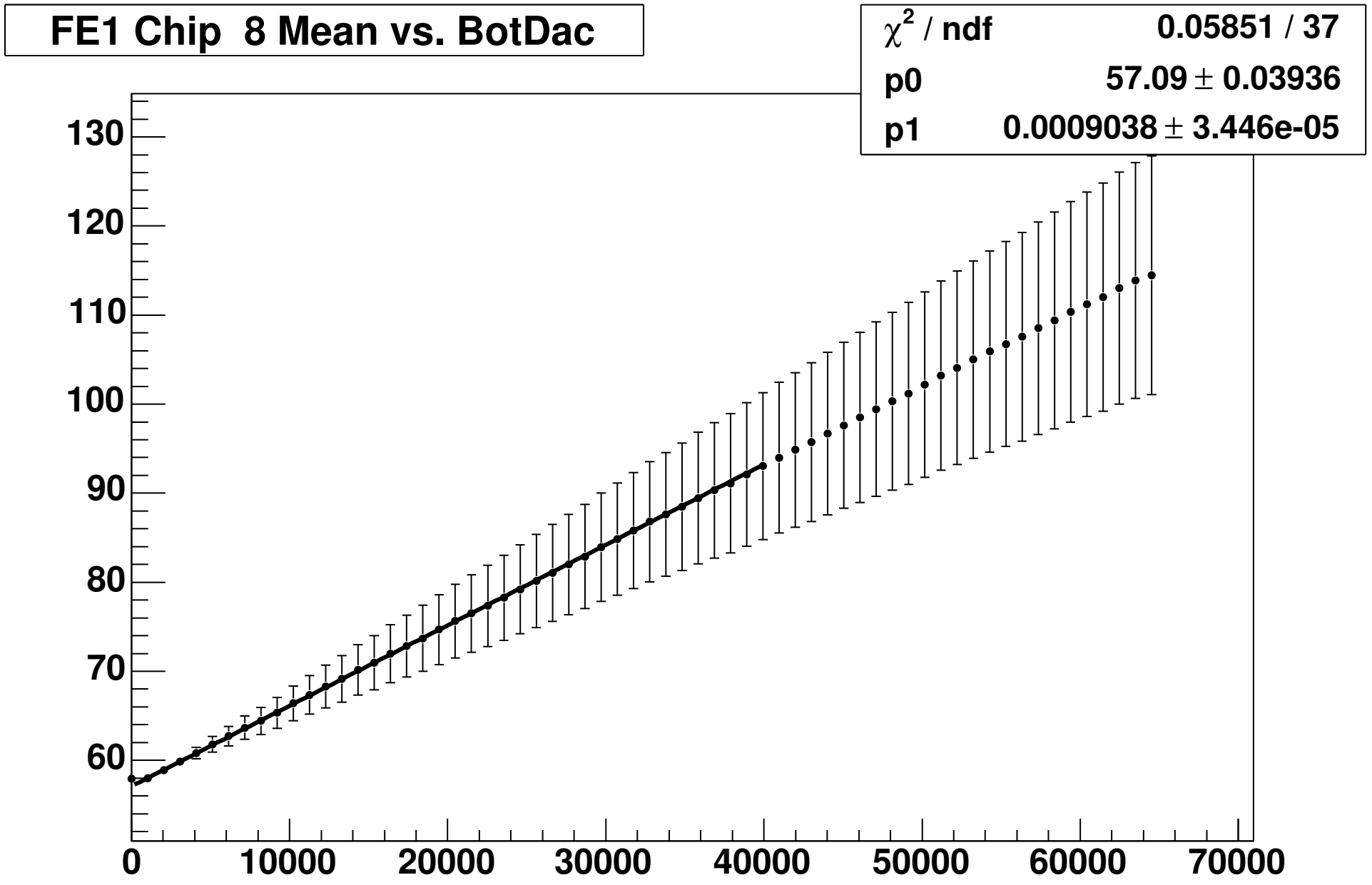
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 0.05851 / 37
p0 57.09 ± 0.03936
p1 0.0009038 ± 3.446e-05
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120
110
100
90
80
70
60
0
10000
20000
30000
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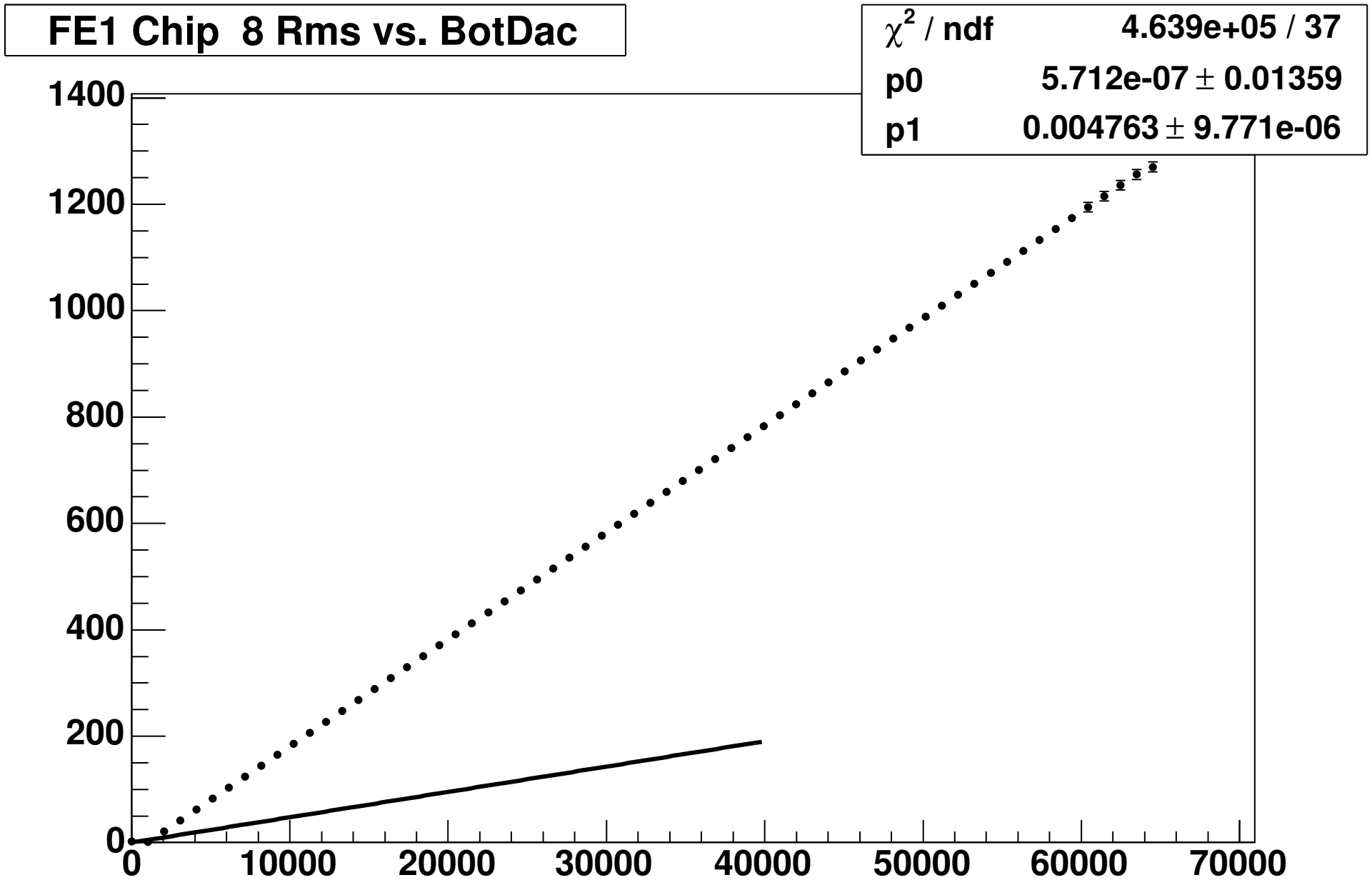
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 4.639e+05 / 37
p0 5.712e-07 ± 0.01359
p1 0.004763 ± 9.771e-06
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1000
800
600
400
200
0
0
10000
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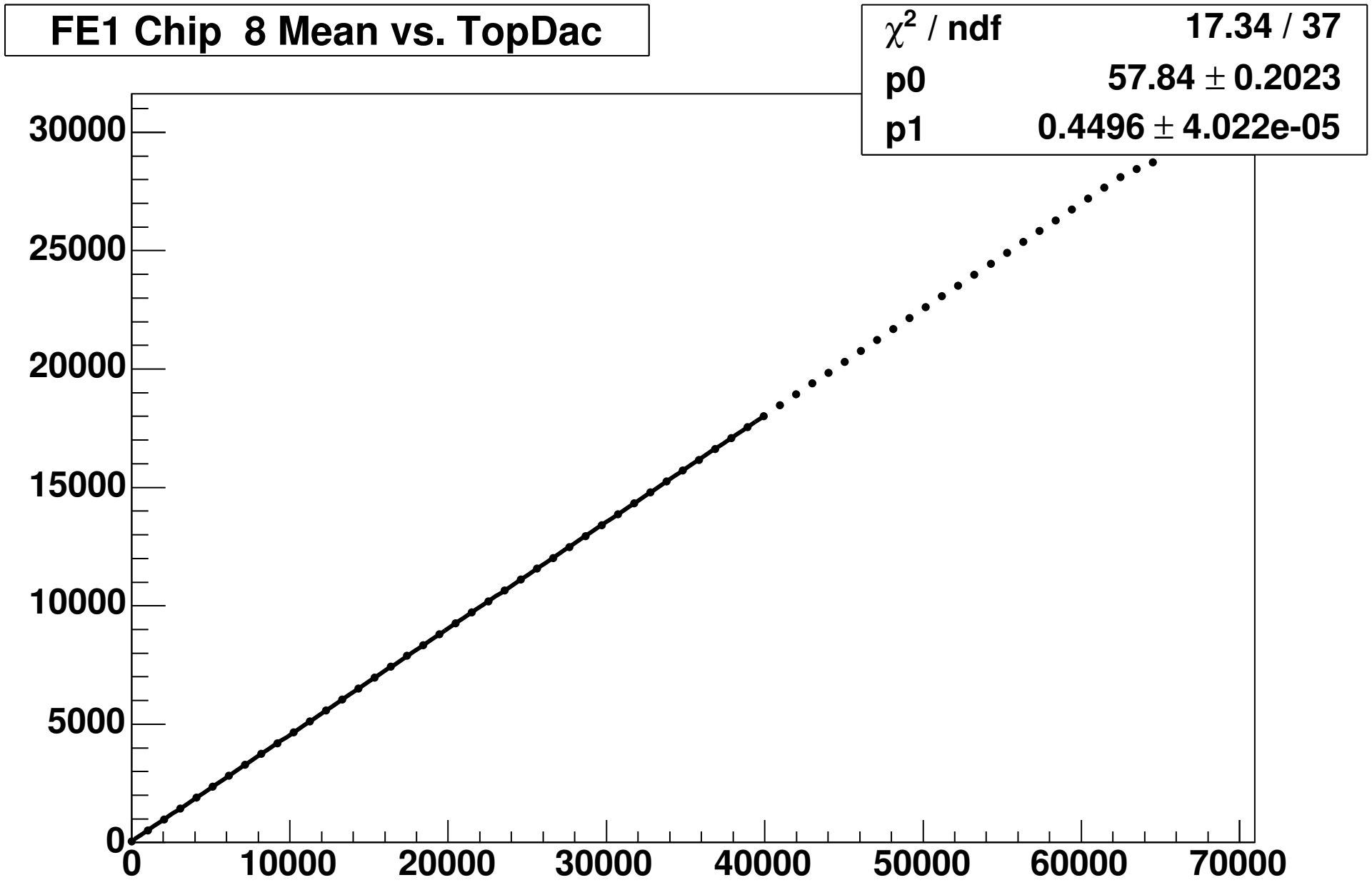
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 17.34 / 37
p0 57.84 ± 0.2023
p1 0.4496 ± 4.022e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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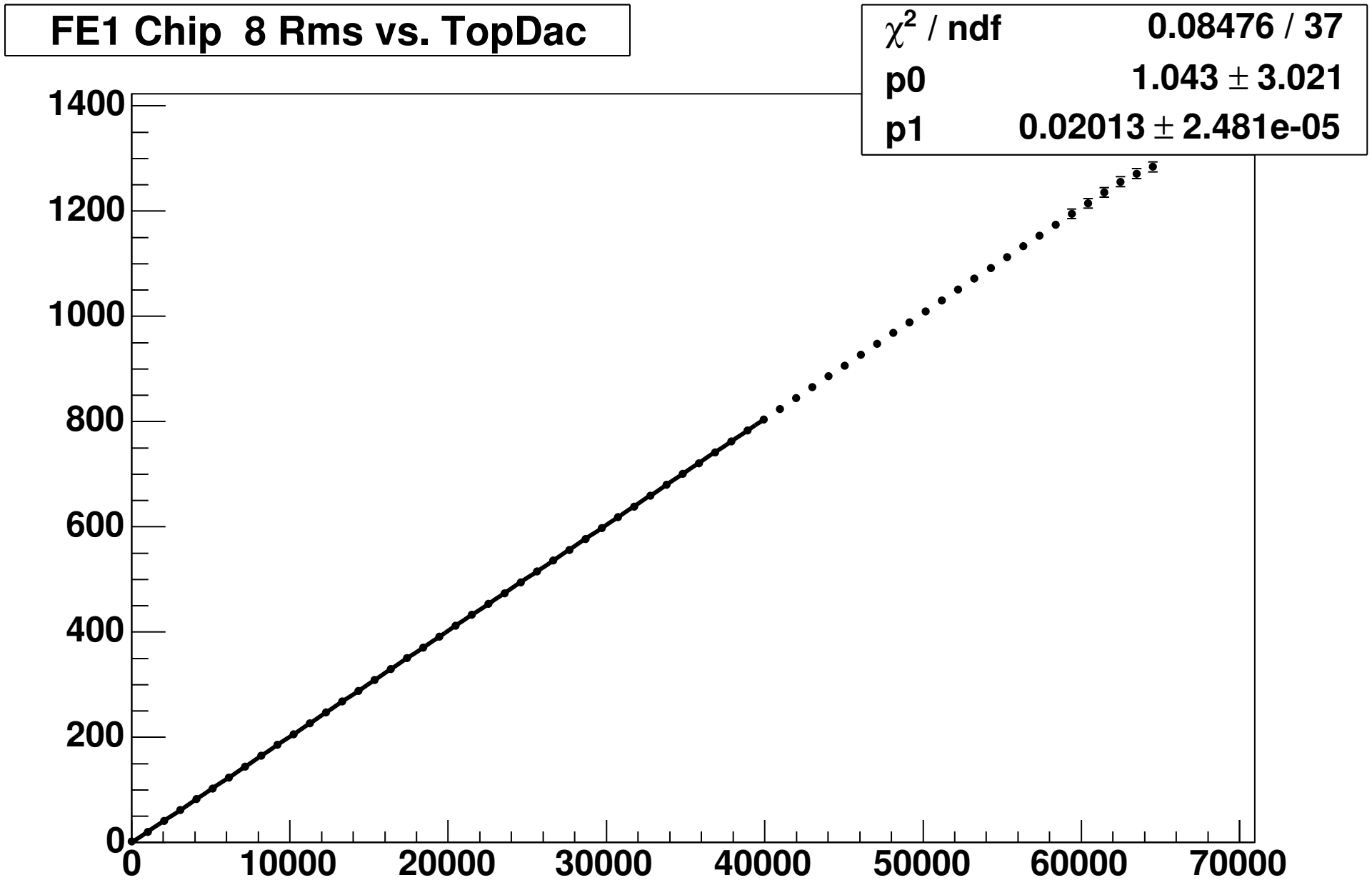
FE1 Chip 8 Rms vs. TopDac
χ² / ndf 0.08476 / 37
p0 1.043 ± 3.021
p1 0.02013 ± 2.481e-05
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1200
1000
800
600
400
200
0
0
10000
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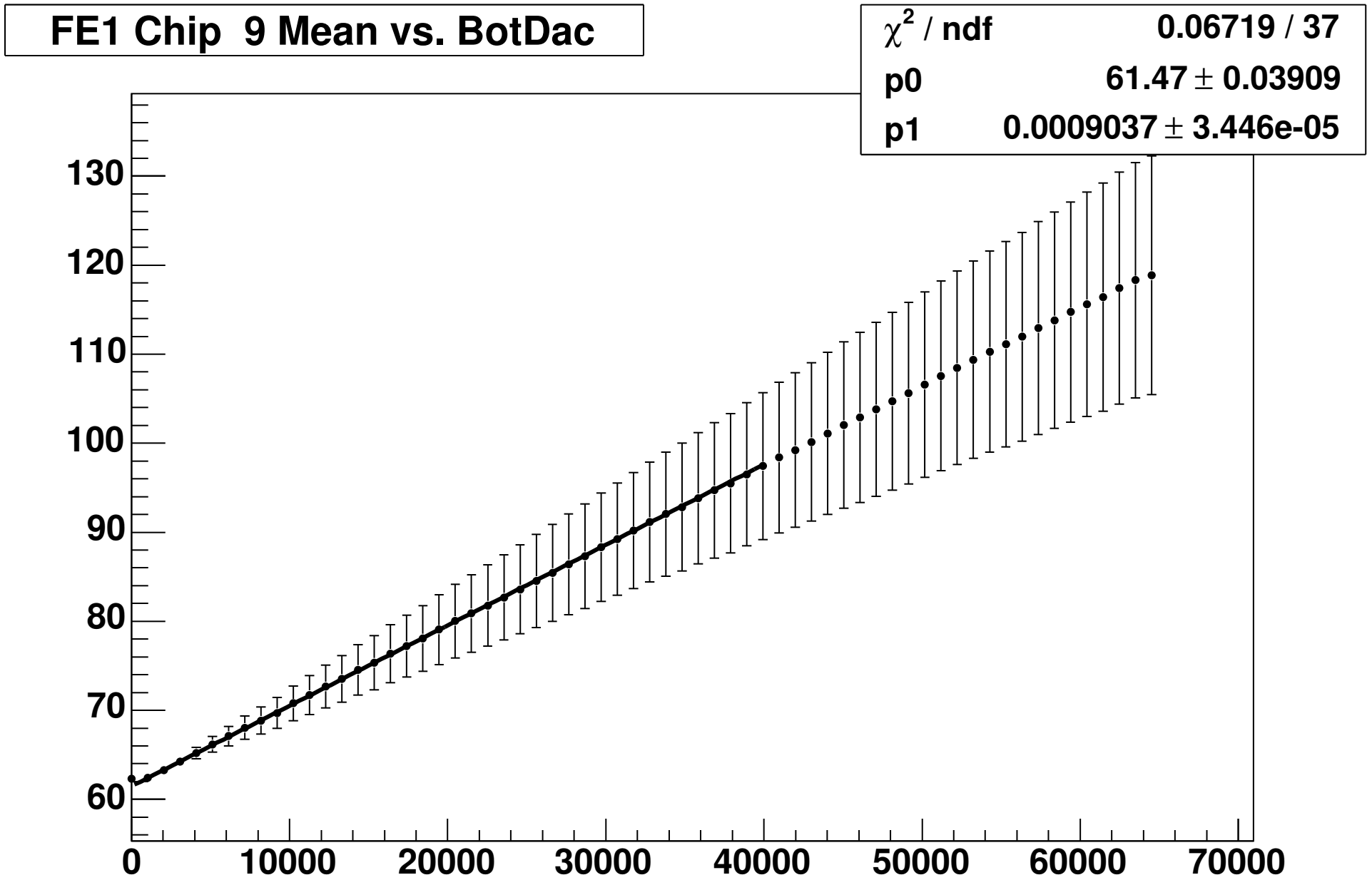
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 0.06719 / 37
p0 61.47 ± 0.03909
p1 0.0009037 ± 3.446e-05
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120
110
100
90
80
70
60
0
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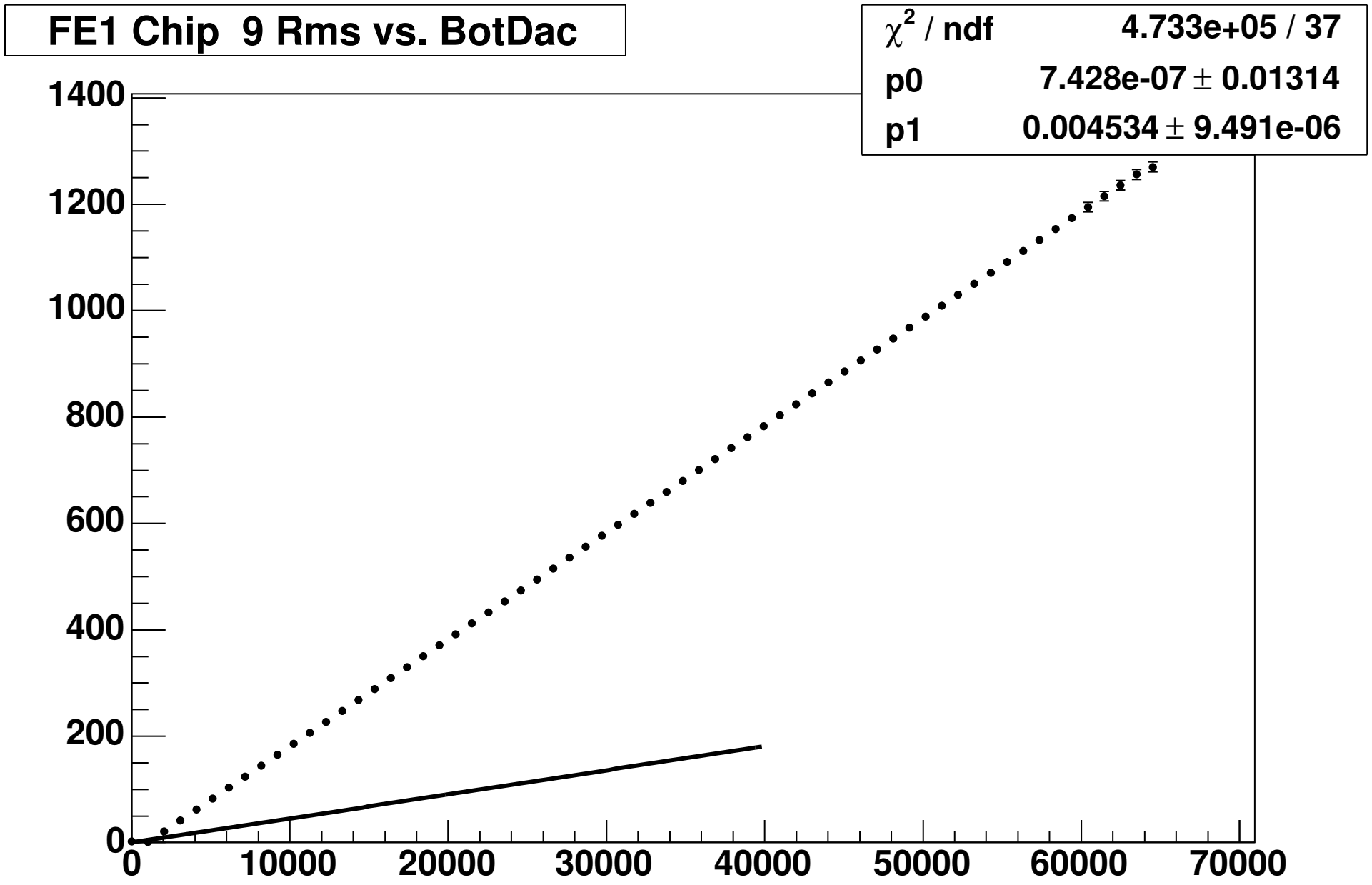
FE1 Chip 9 Rms vs. BotDac
χ² / ndf 4.733e+05 / 37
p0 7.428e-07 ± 0.01314
p1 0.004534 ± 9.491e-06
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1200
1000
800
600
400
200
0
0
10000
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50000
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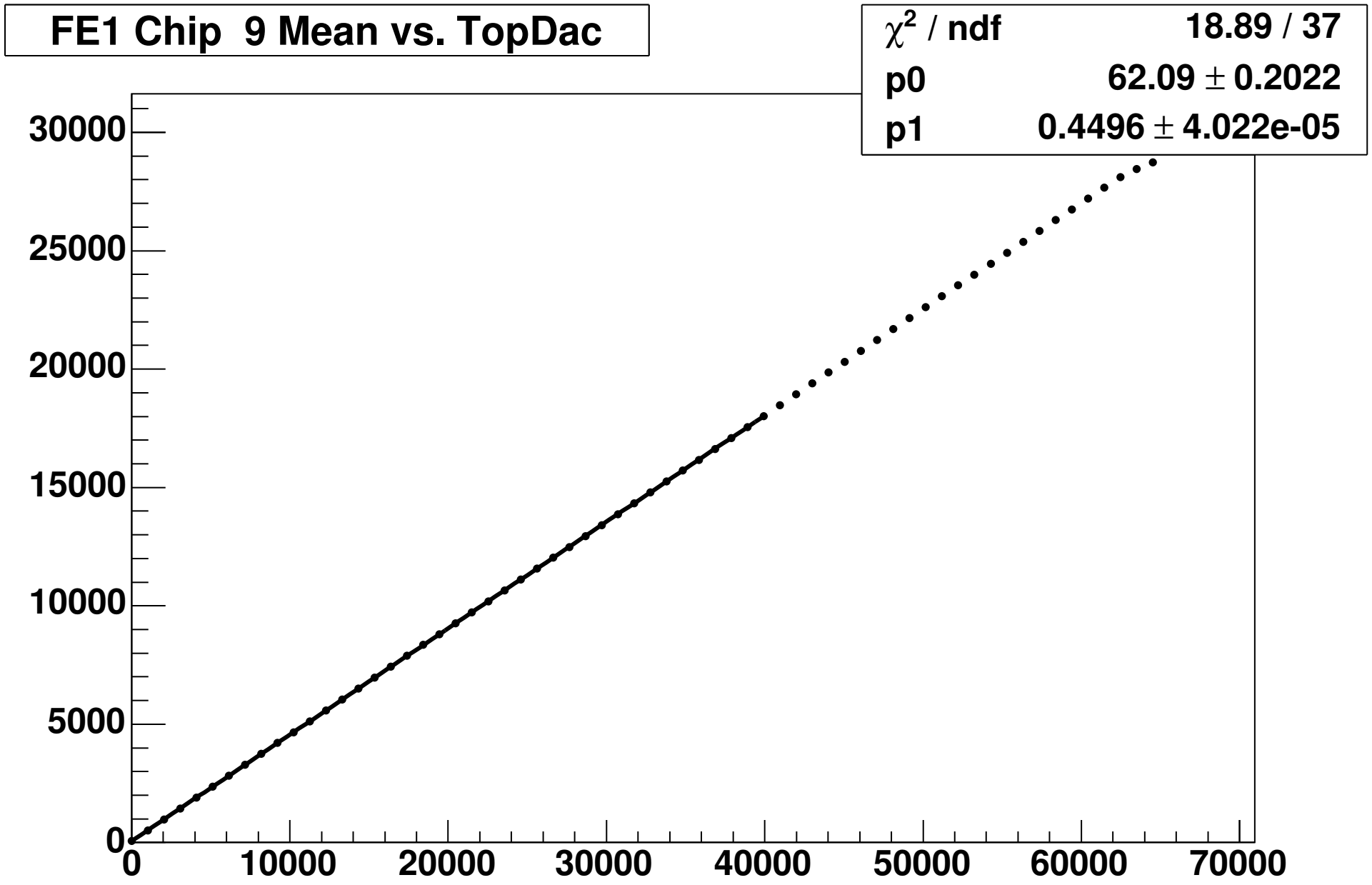
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 18.89 / 37
p0 62.09 ± 0.2022
p1 0.4496 ± 4.022e-05
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15000
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0
0
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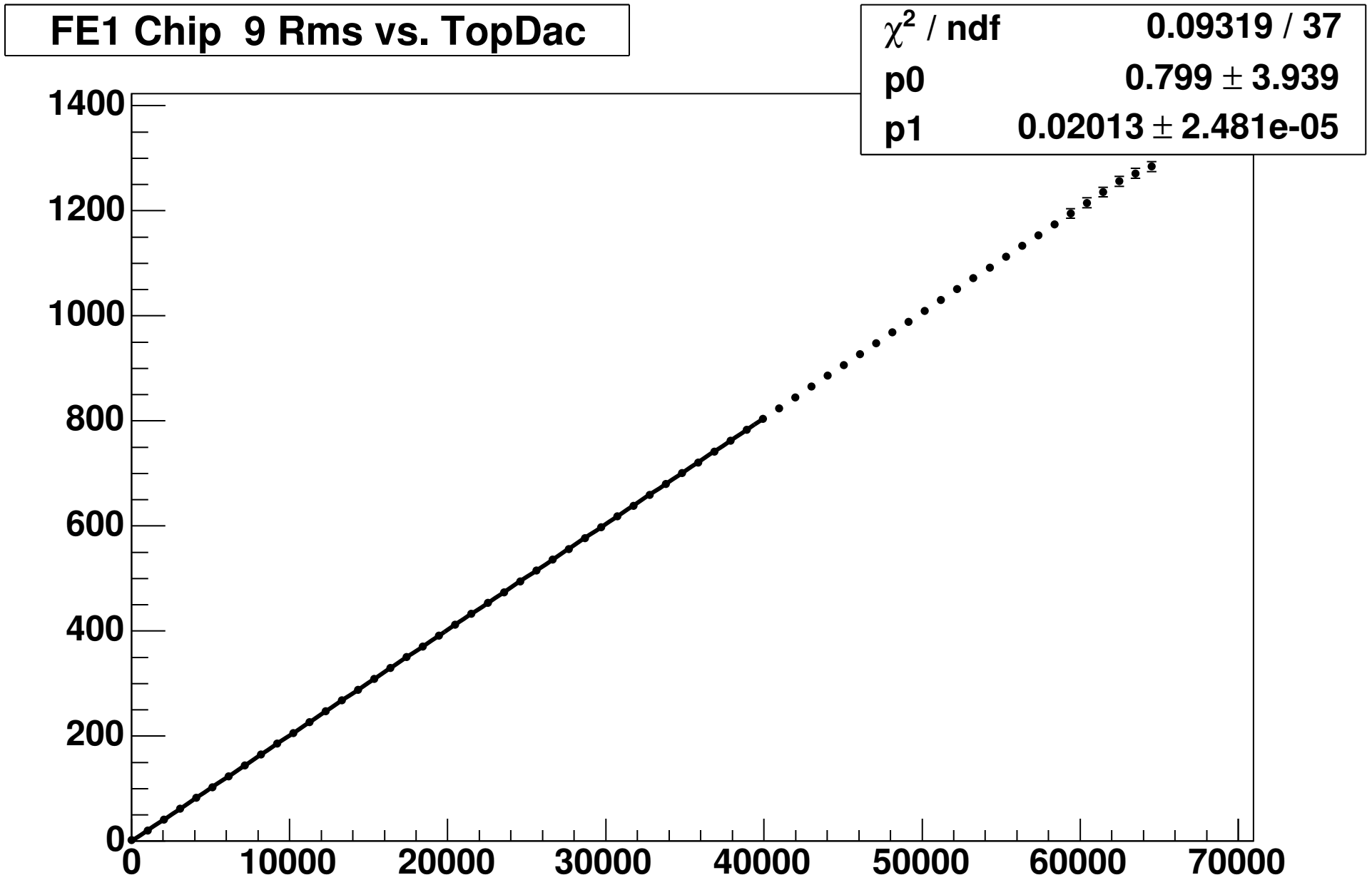
FE1 Chip 9 Rms vs. TopDac
χ² / ndf 0.09319 / 37
p0 0.799 ± 3.939
p1 0.02013 ± 2.481e-05
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1000
800
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200
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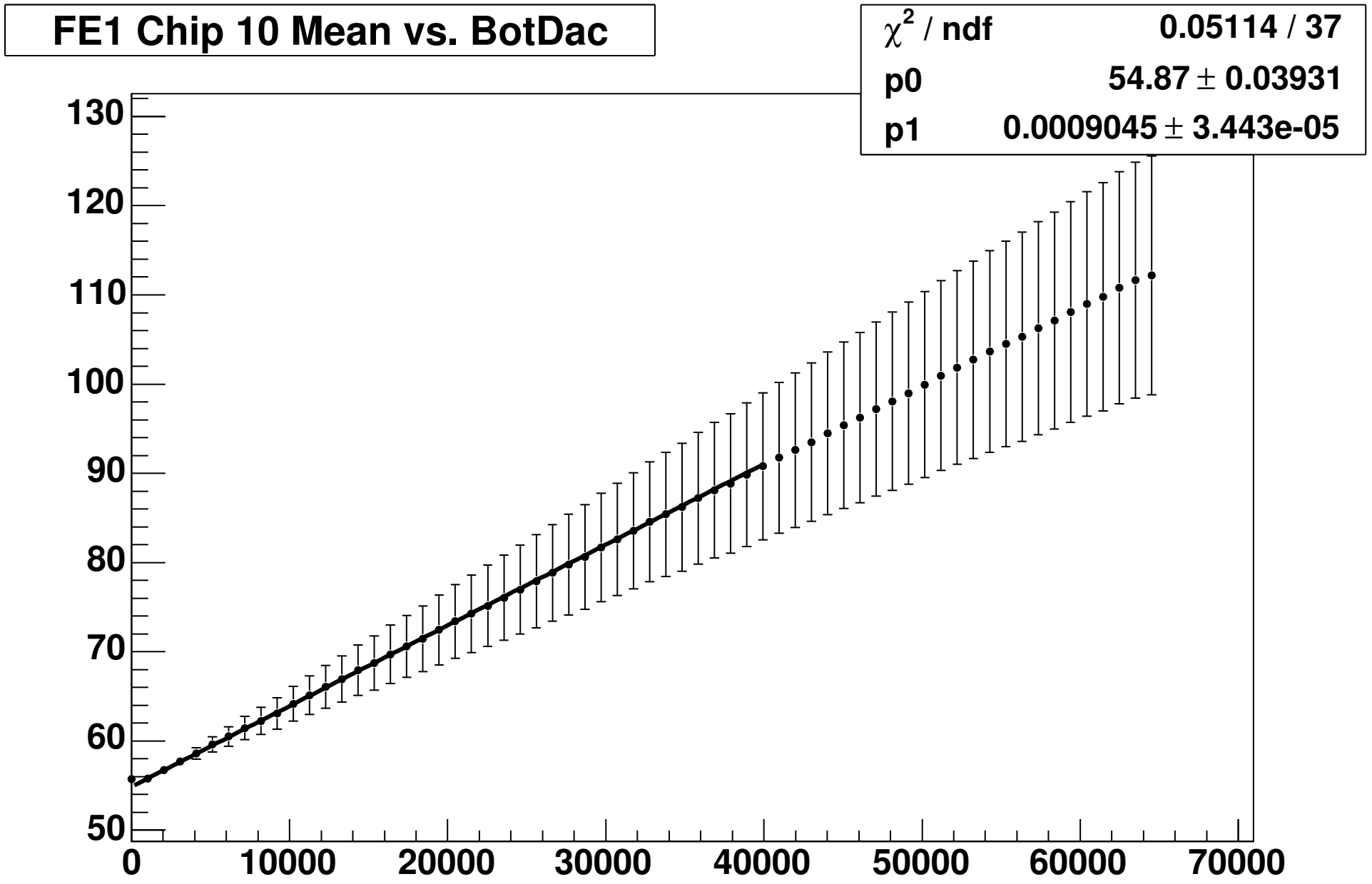
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 0.05114 / 37
p0 54.87 ± 0.03931
p1 0.0009045 ± 3.443e-05
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120
110
100
90
80
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60
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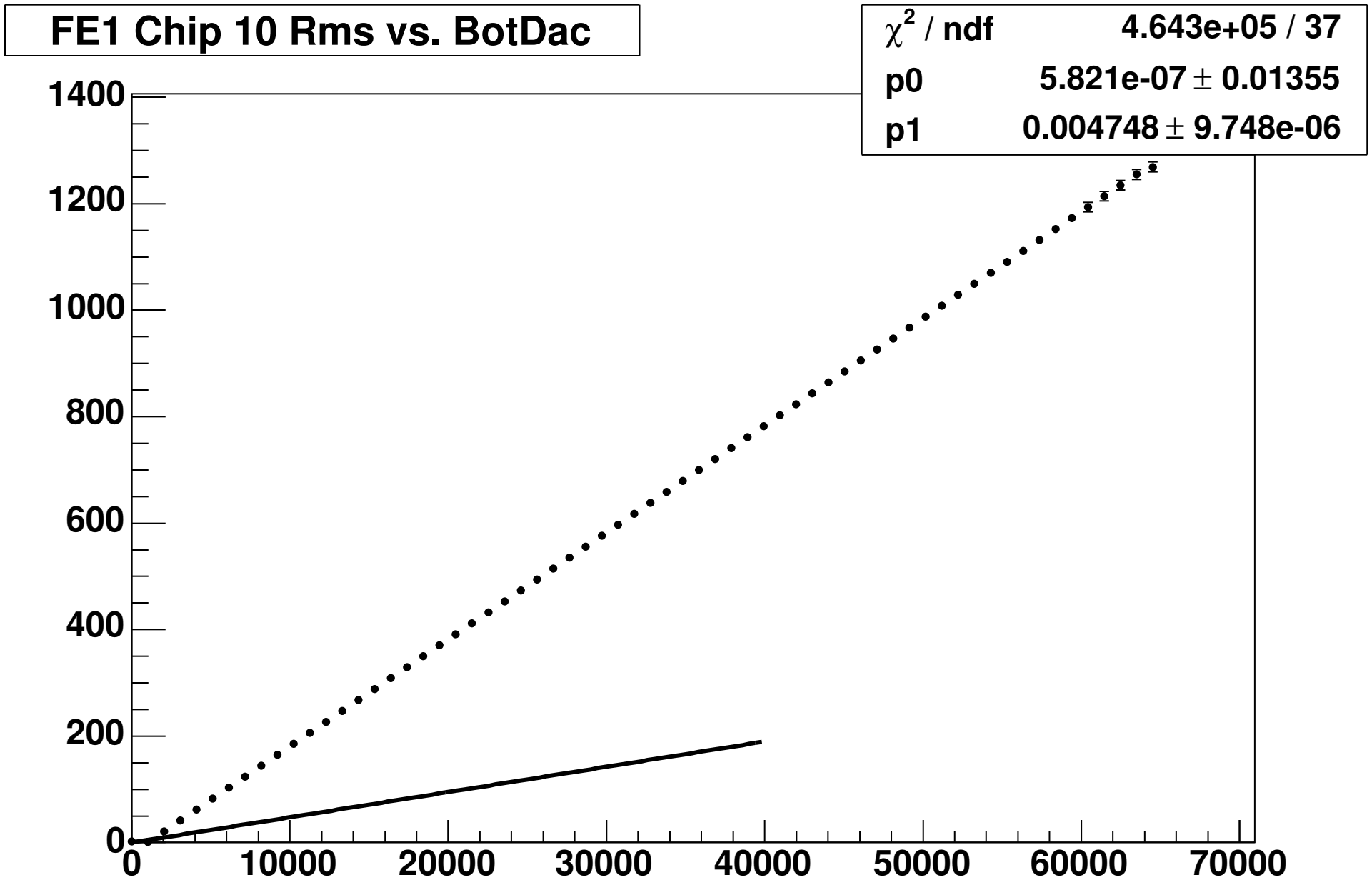
FE1 Chip 10 Rms vs. BotDac
χ² / ndf 4.643e+05 / 37
p0 5.821e-07 ± 0.01355
p1 0.004748 ± 9.748e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
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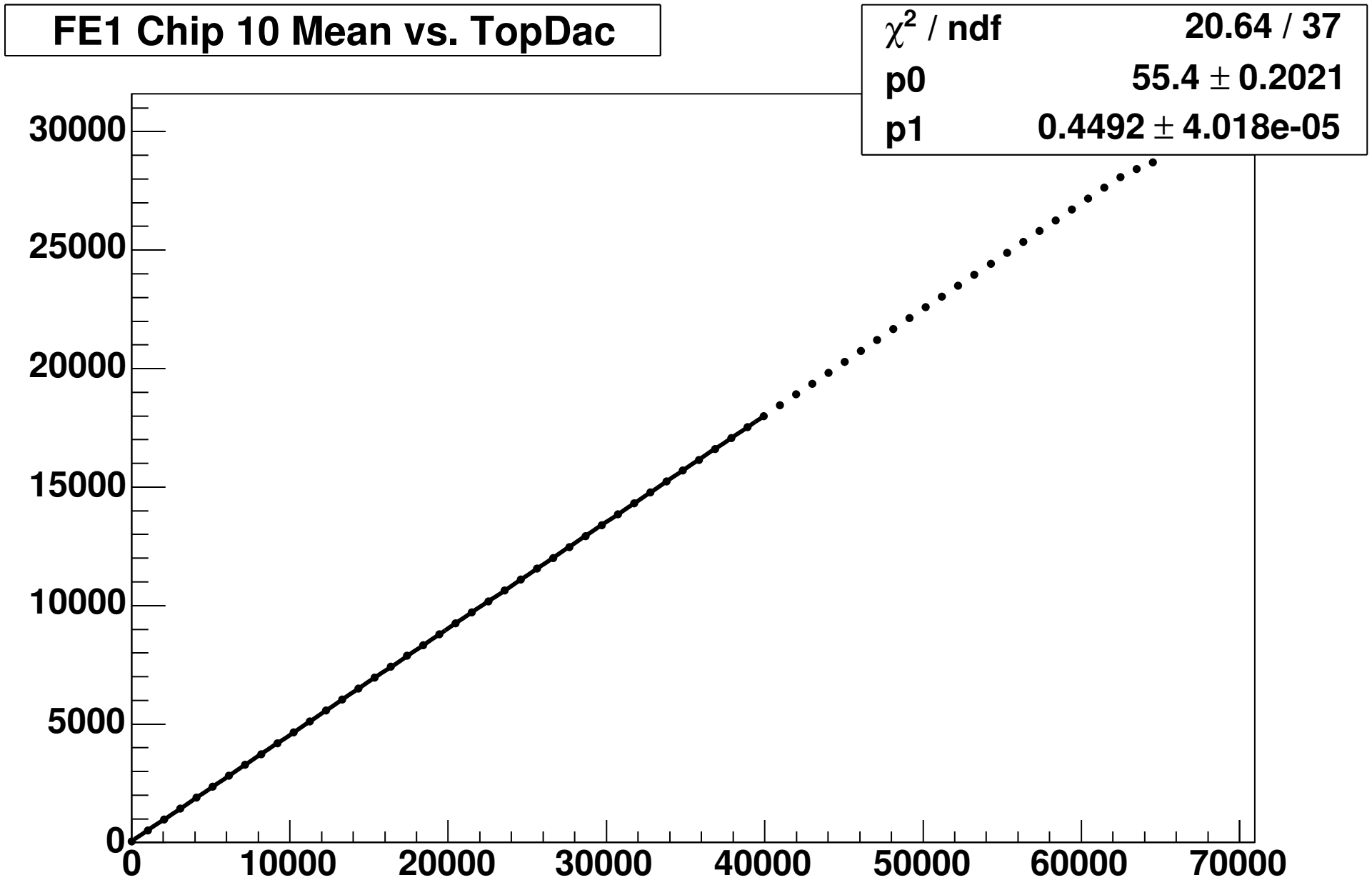
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 20.64 / 37
p0 55.4 ± 0.2021
p1 0.4492 ± 4.018e-05
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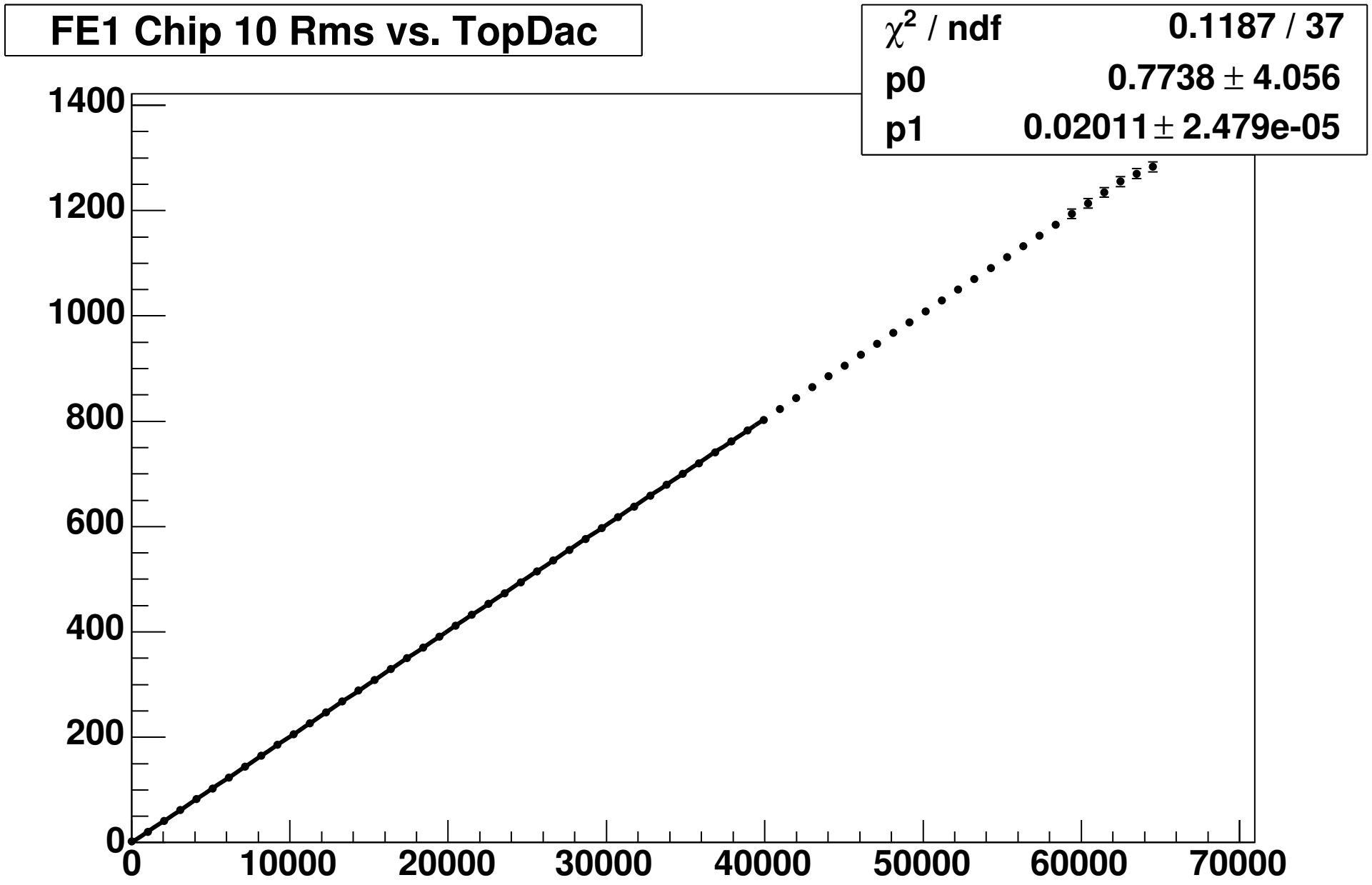
FE1 Chip 10 Rms vs. TopDac
χ² / ndf 0.1187 / 37
p0 0.7738 ± 4.056
p1 0.02011 ± 2.479e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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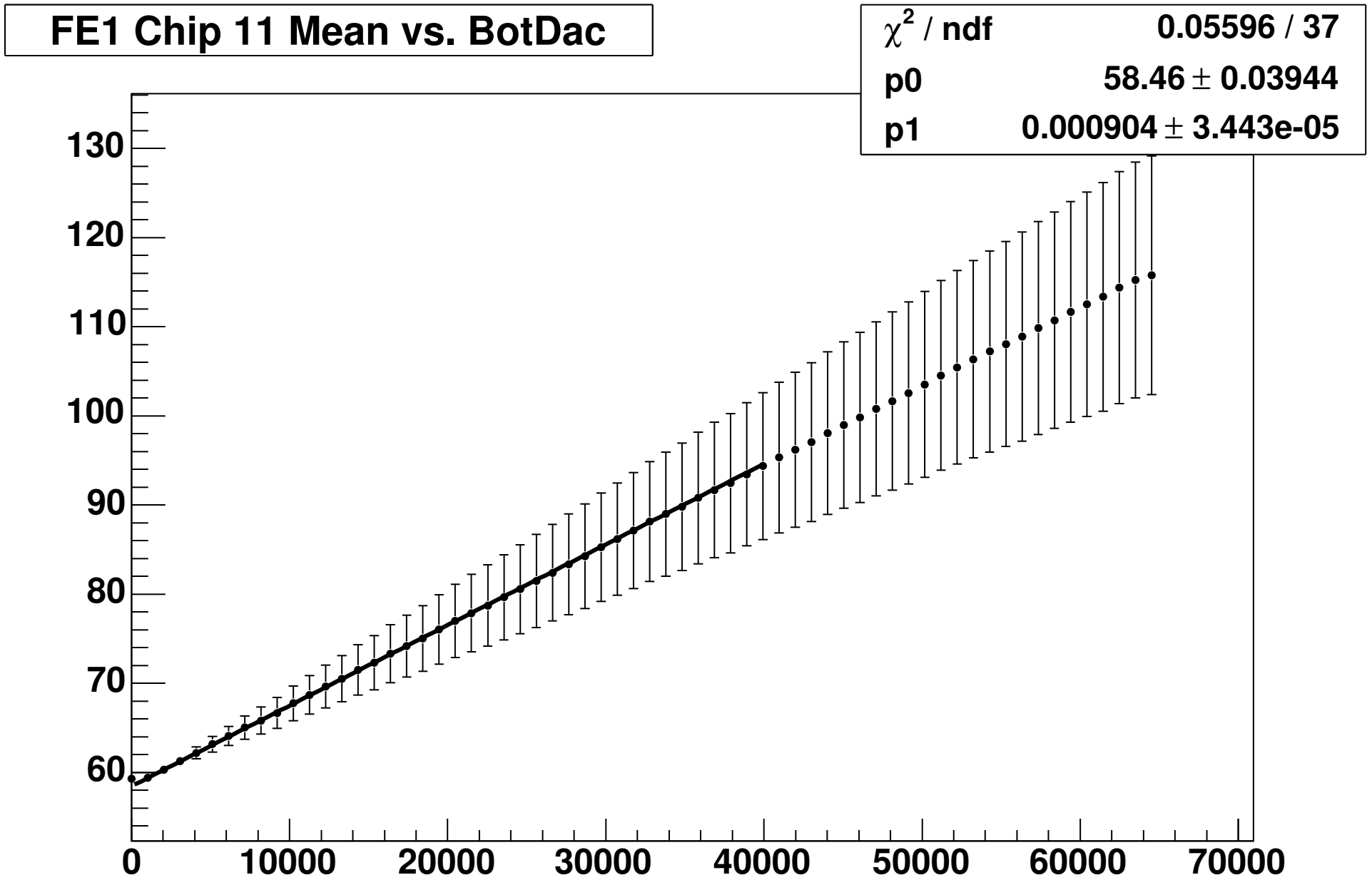
FE1 Chip 11 Mean vs. BotDac
χ² / ndf 0.05596 / 37
p0 58.46 ± 0.03944
p1 0.000904 ± 3.443e-05
130
120
110
100
90
80
70
60
0
10000
20000
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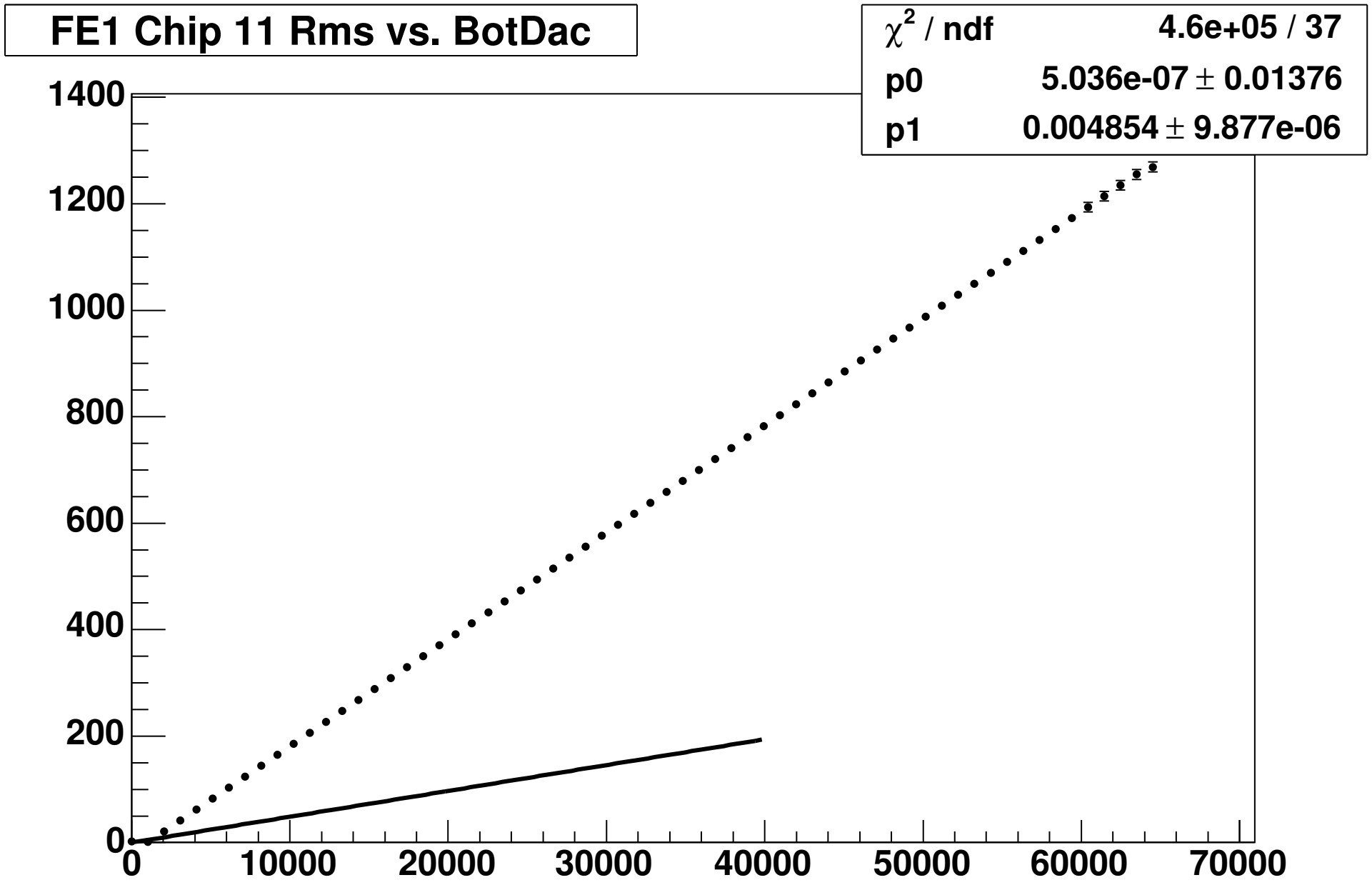
FE1 Chip 11 Rms vs. BotDac
χ² / ndf 4.6e+05 / 37
p0 5.036e-07 ± 0.01376
p1 0.004854 ± 9.877e-06
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1200
1000
800
600
400
200
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20000
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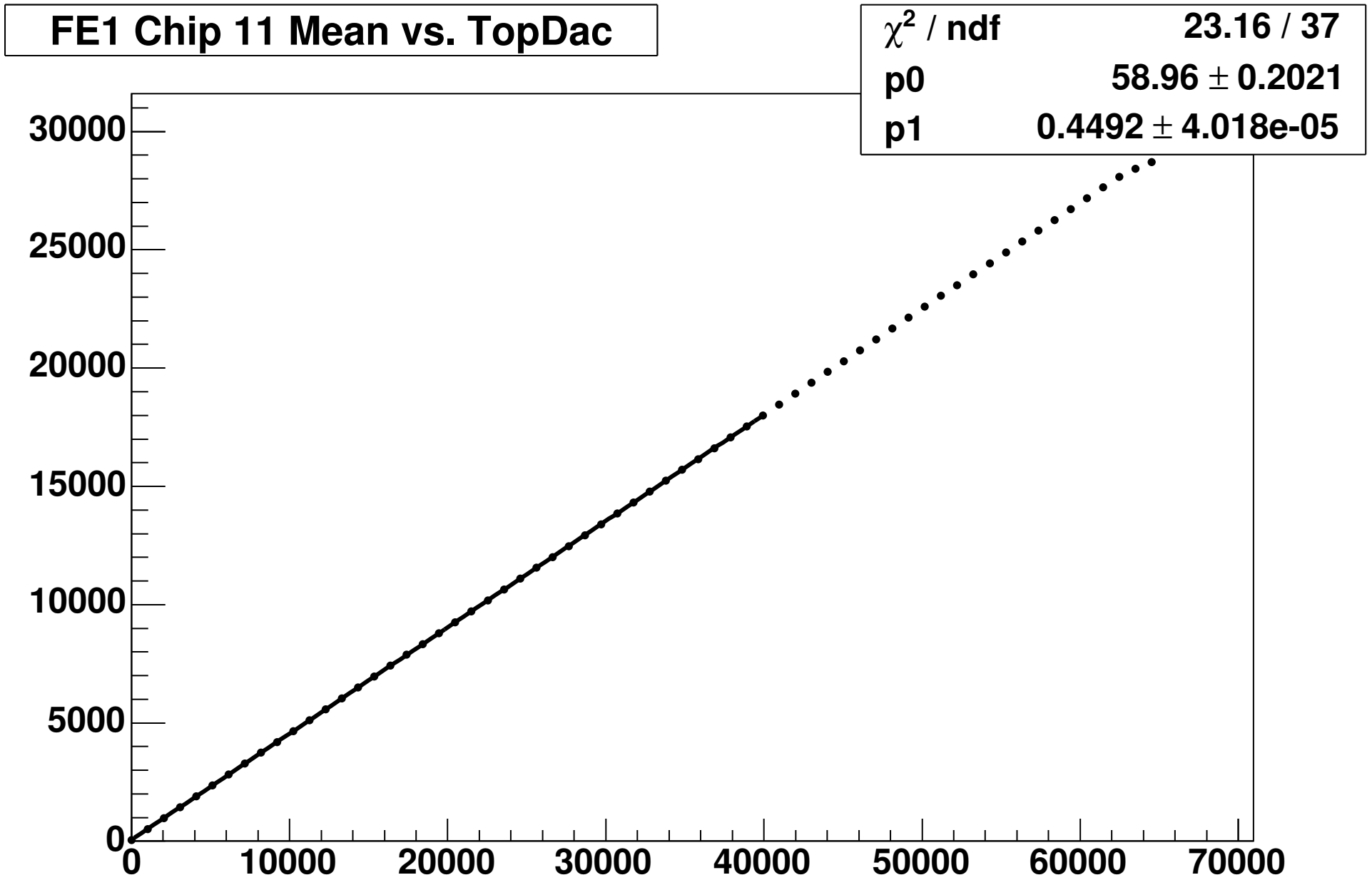
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 23.16 / 37
p0 58.96 ± 0.2021
p1 0.4492 ± 4.018e-05
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15000
10000
5000
0
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20000
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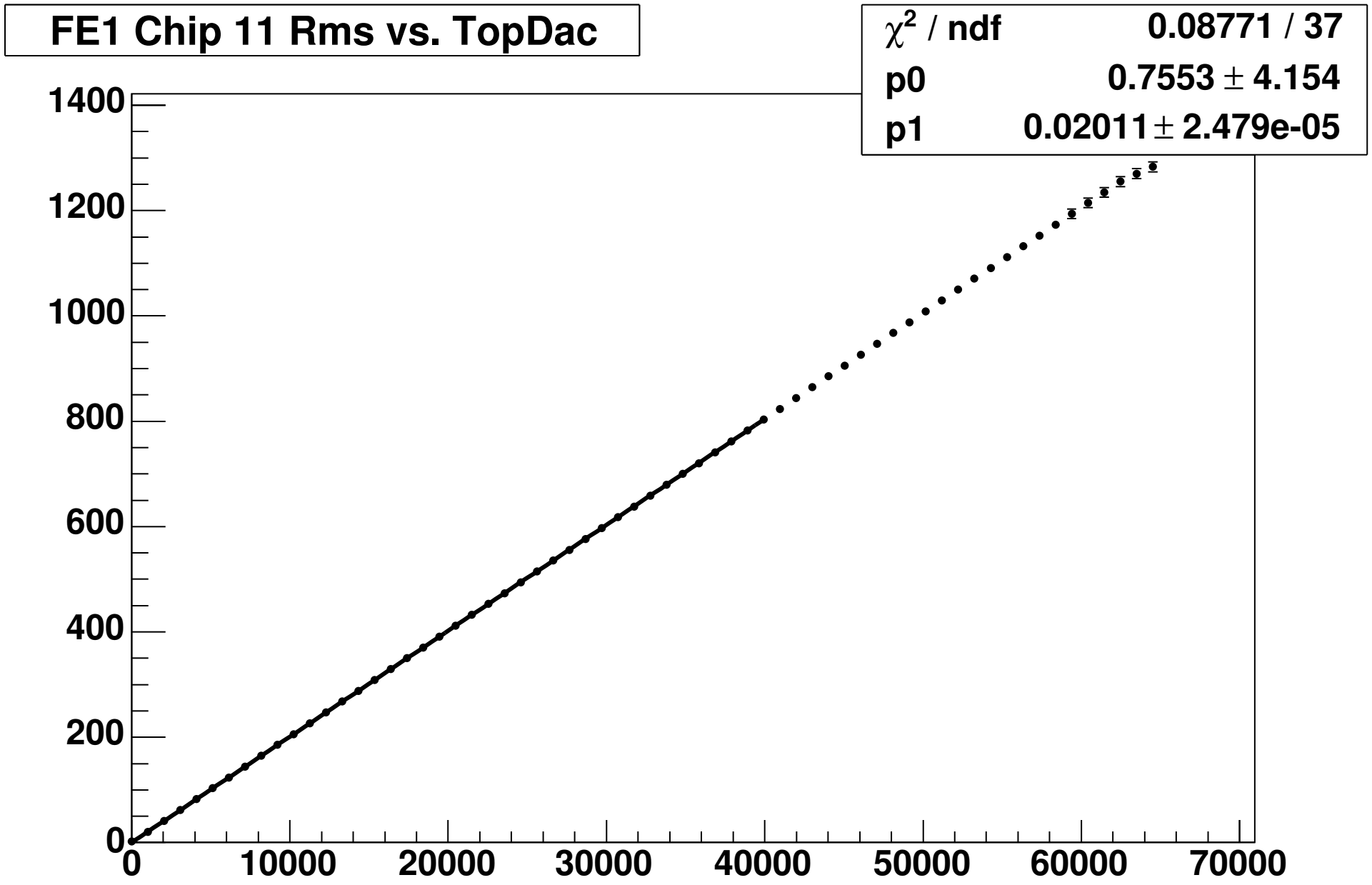
FE1 Chip 11 Rms vs. TopDac
χ² / ndf 0.08771 / 37
p0 0.7553 ± 4.154
p1 0.02011 ± 2.479e-05
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1000
800
600
400
200
0
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10000
20000
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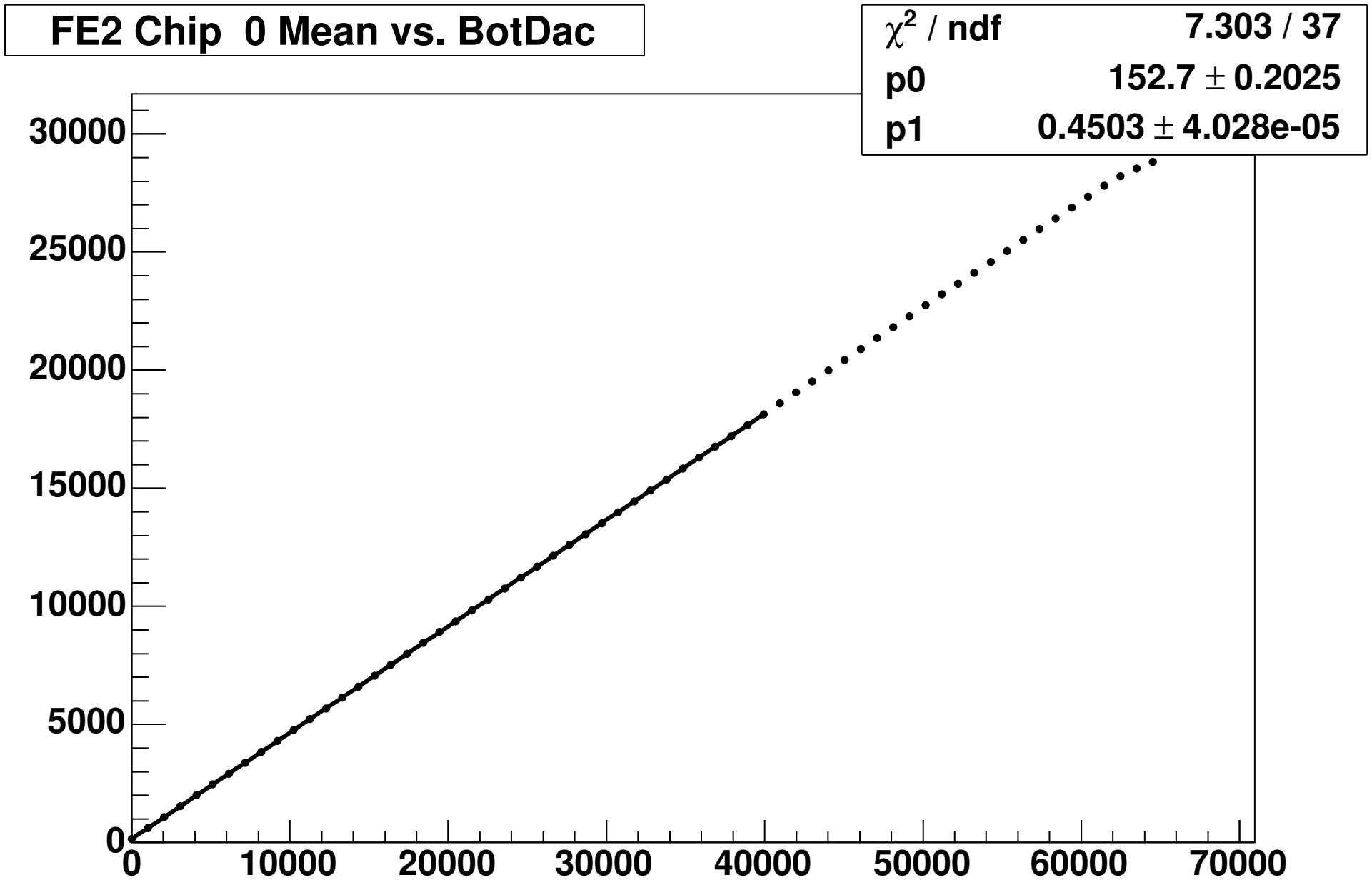
FE2 Chip 0 Mean vs. BotDac
χ² / ndf 7.303 / 37
p0 152.7 ± 0.2025
p1 0.4503 ± 4.028e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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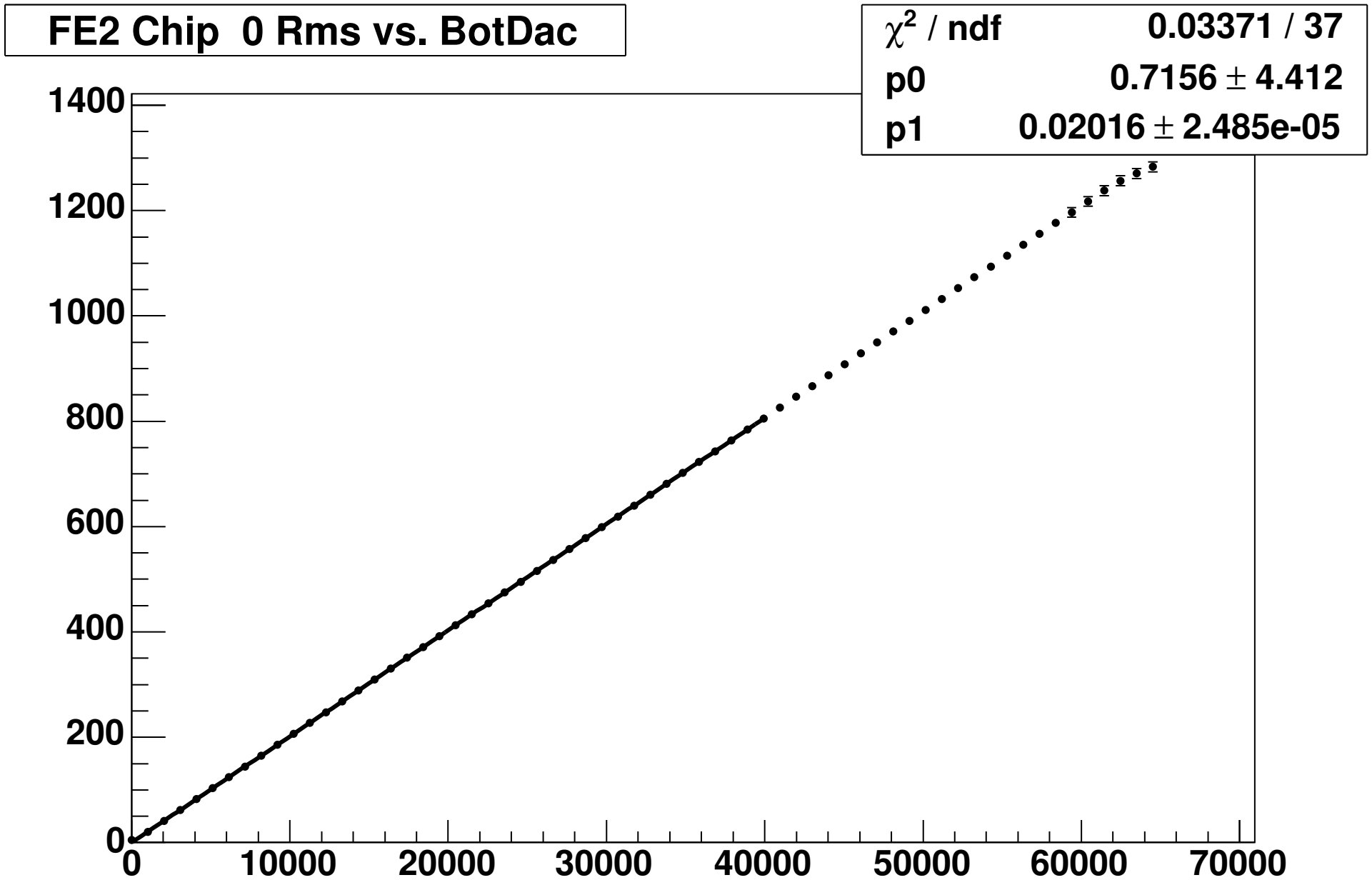
FE2 Chip 0 Rms vs. BotDac
χ² / ndf 0.03371 / 37
p0 0.7156 ± 4.412
p1 0.02016 ± 2.485e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
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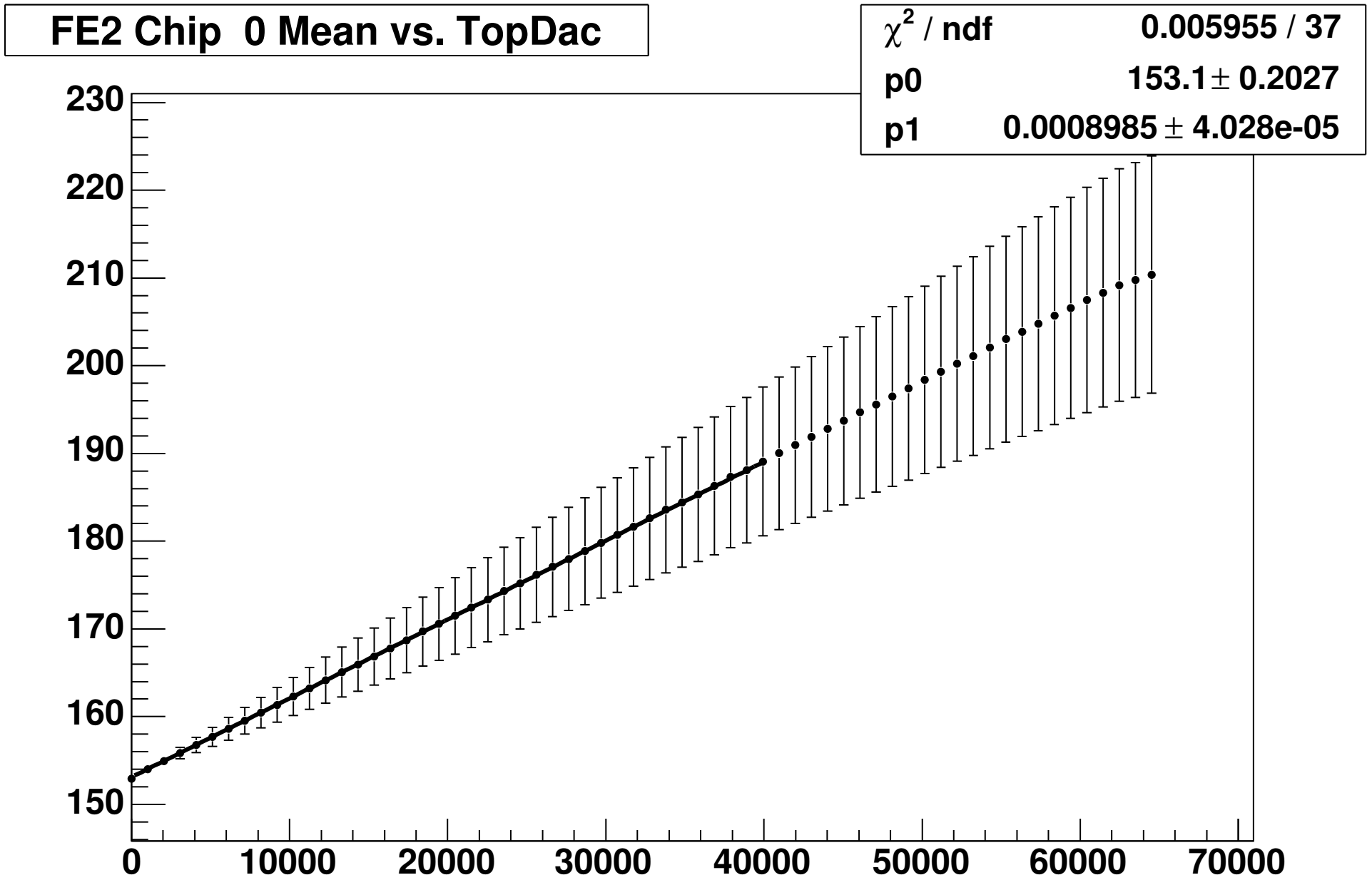
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 0.005955 / 37
p0 153.1 ± 0.2027
p1 0.0008985 ± 4.028e-05
230
220
210
200
190
180
170
160
150
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20000
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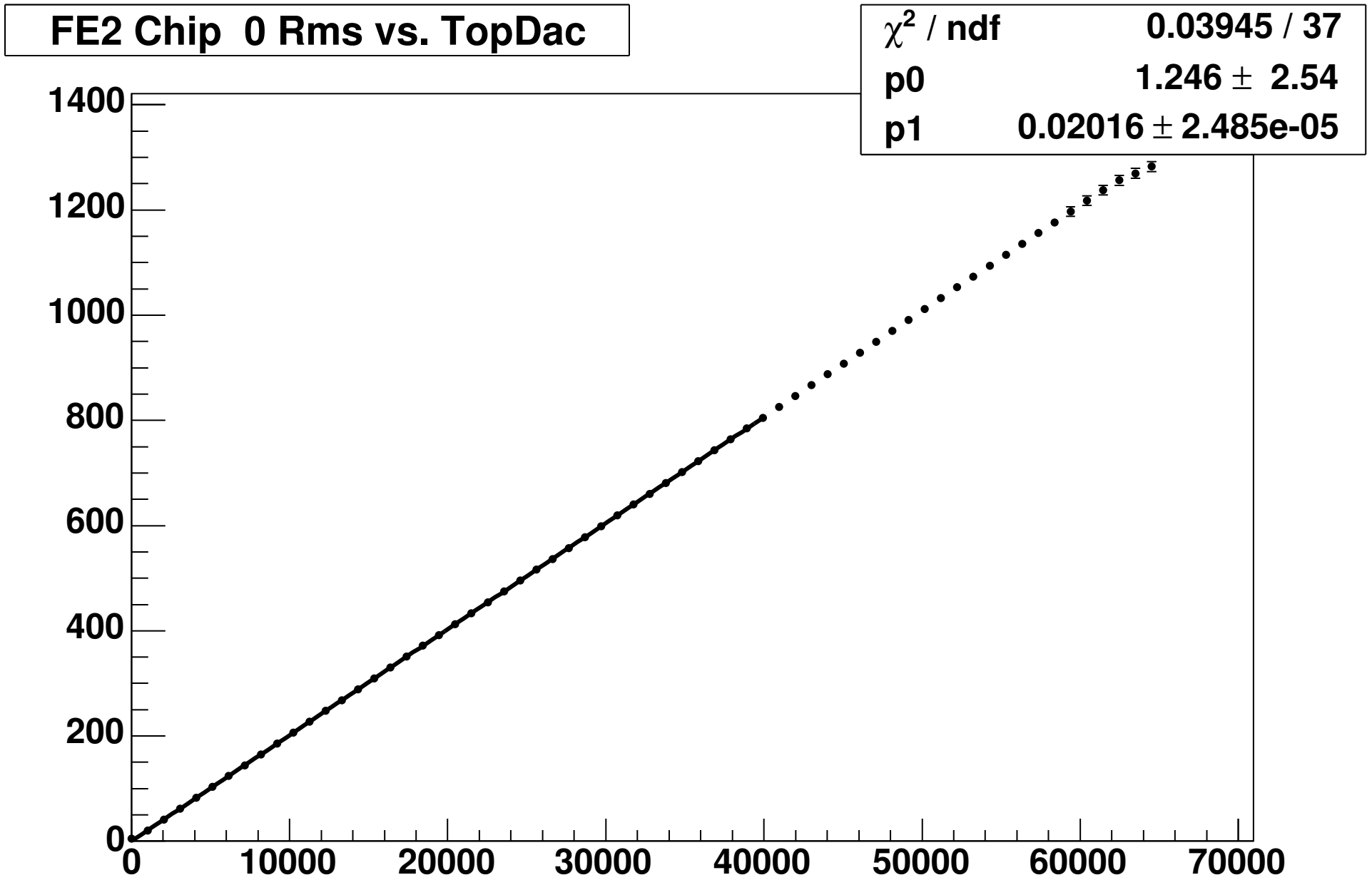
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 0.03945 / 37
p0 1.246 ± 2.54
p1 0.02016 ± 2.485e-05
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1200
1000
800
600
400
200
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0
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20000
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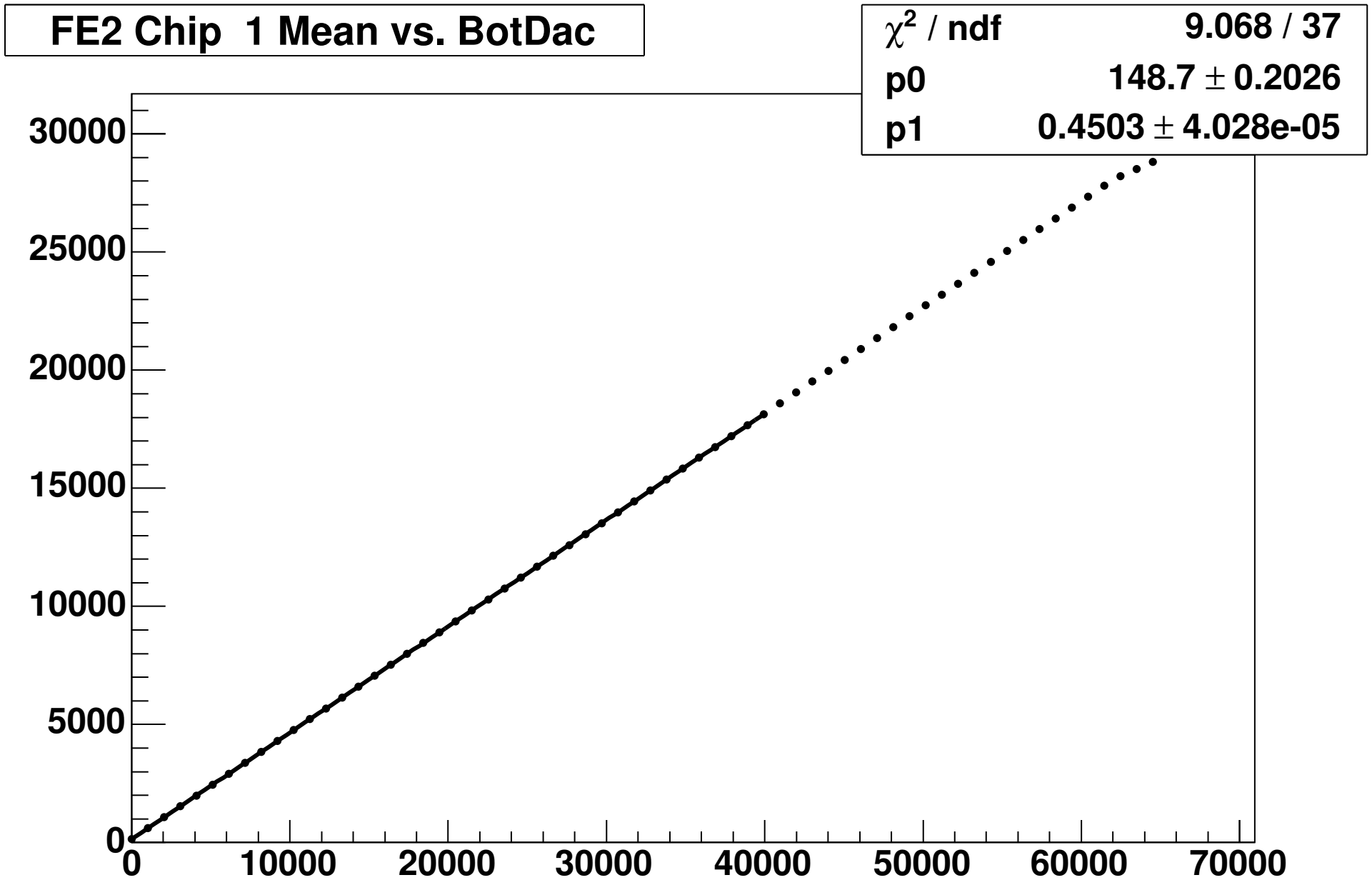
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 9.068 / 37
p0 148.7 ± 0.2026
p1 0.4503 ± 4.028e-05
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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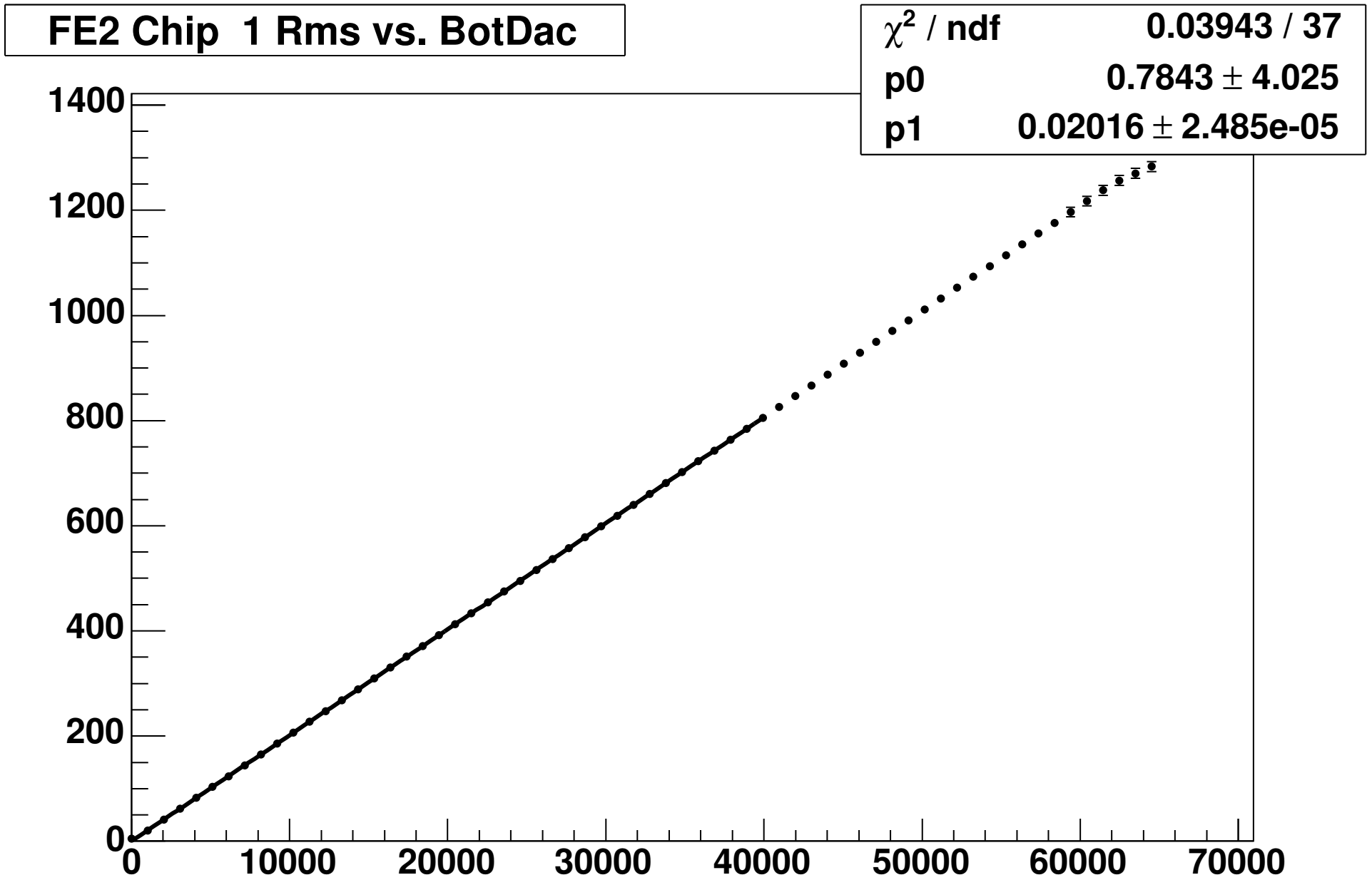
FE2 Chip 1 Rms vs. BotDac
χ² / ndf 0.03943 / 37
p0 0.7843 ± 4.025
p1 0.02016 ± 2.485e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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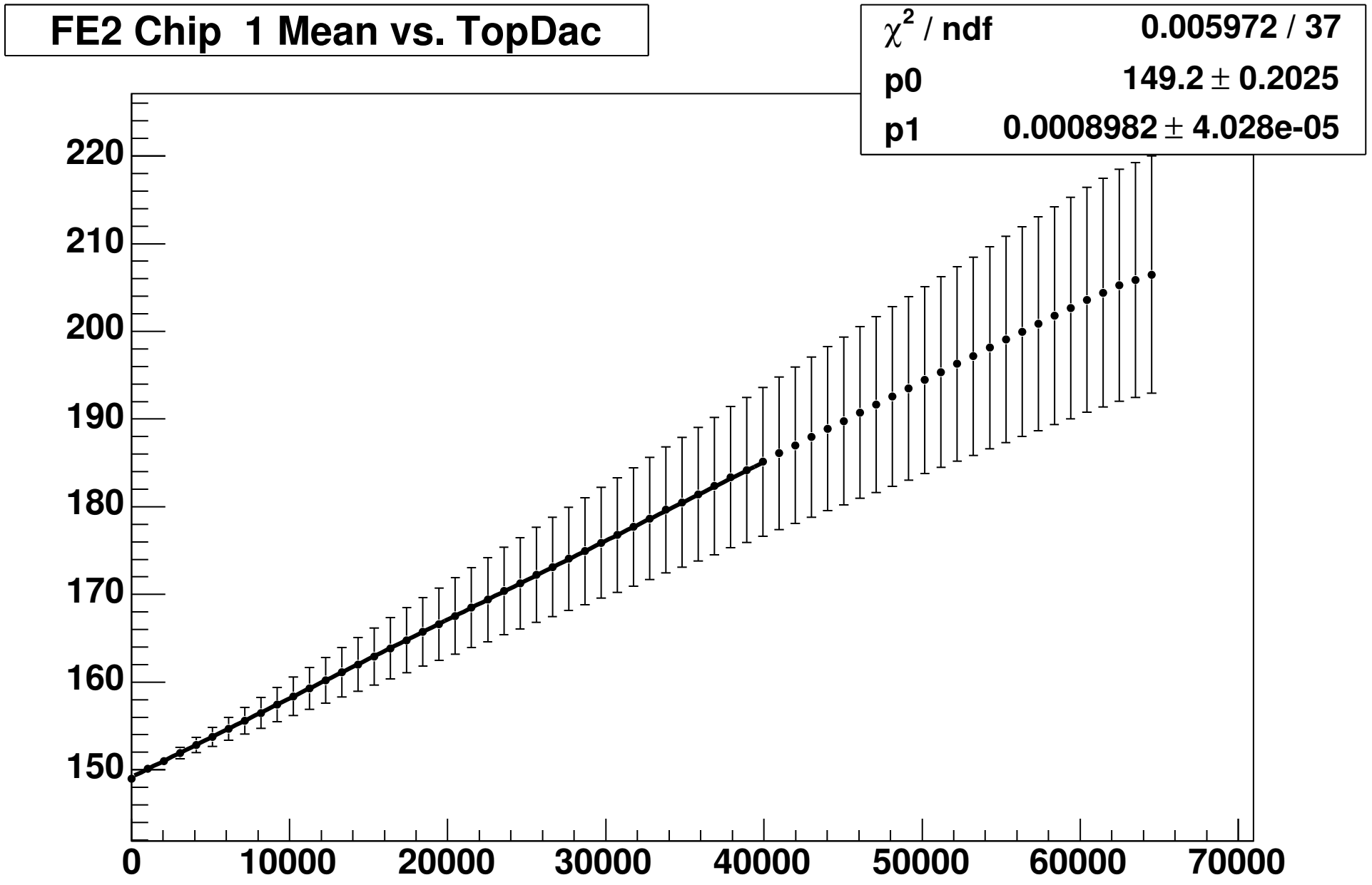
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 0.005972 / 37
p0 149.2 ± 0.2025
p1 0.0008982 ± 4.028e-05
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210
200
190
180
170
160
150
0
10000
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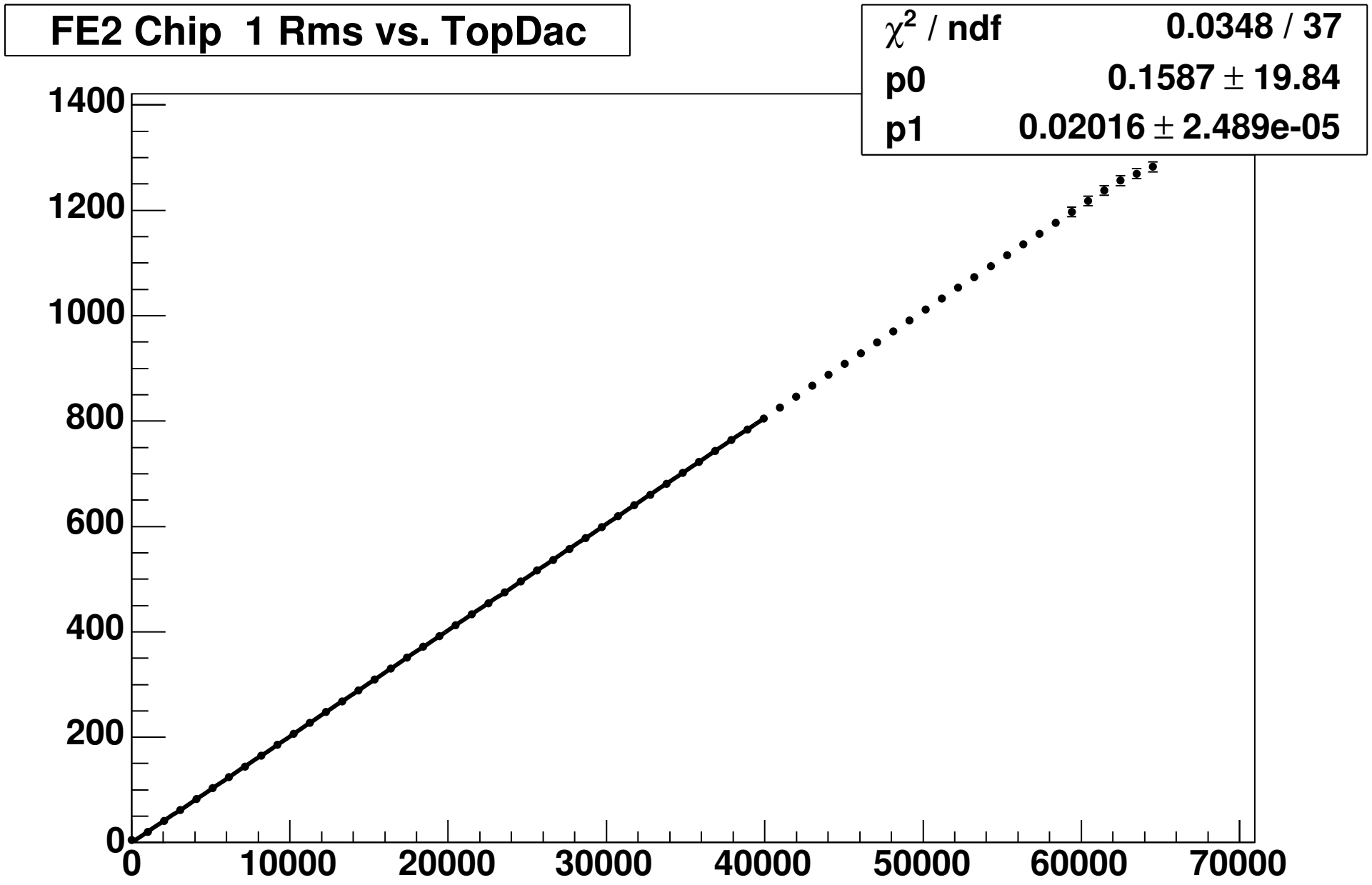
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 0.0348 / 37
p0 0.1587 ± 19.84
p1 0.02016 ± 2.489e-05
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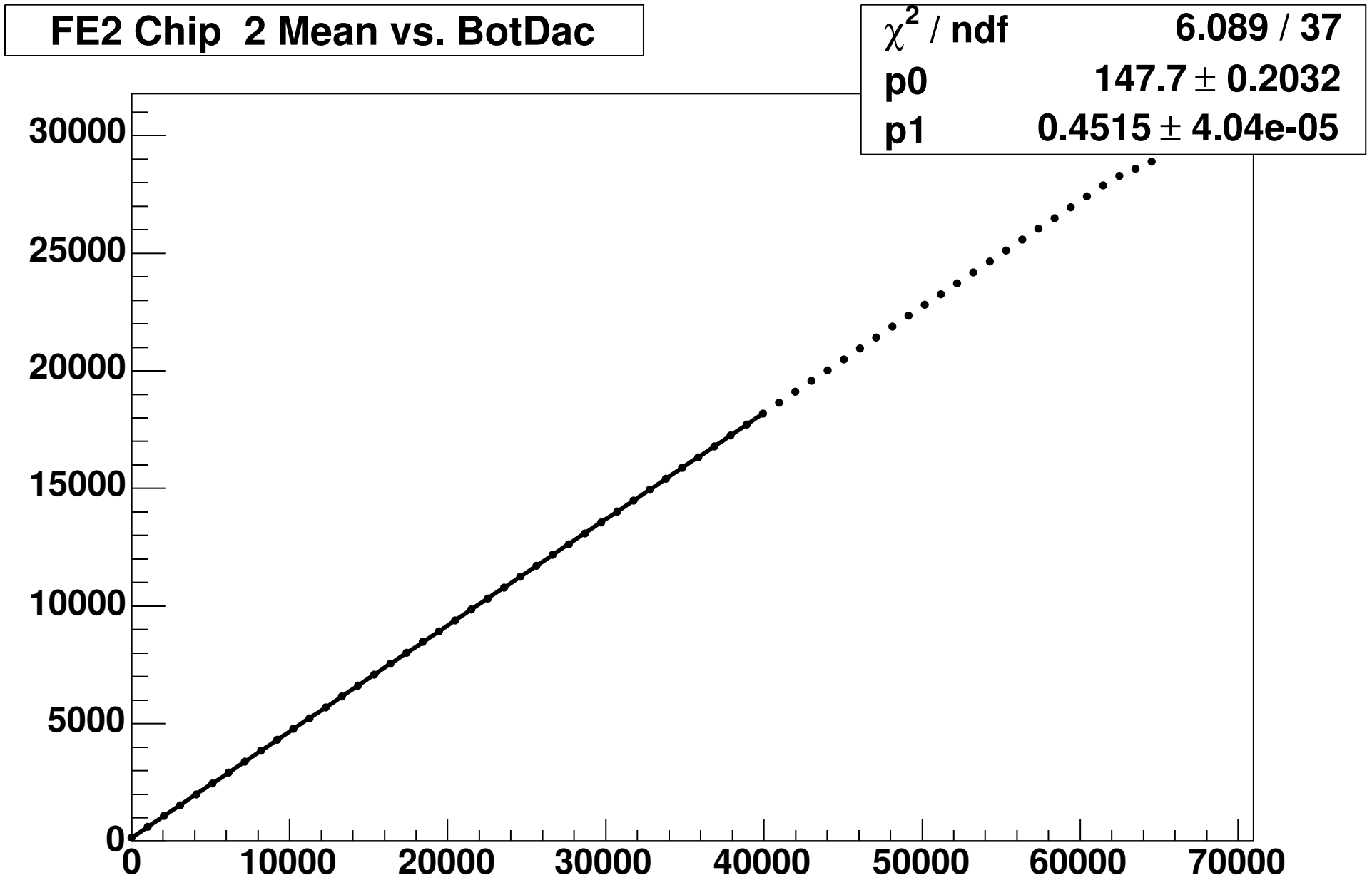
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 6.089 / 37
p0 147.7 ± 0.2032
p1 0.4515 ± 4.04e-05
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25000
20000
15000
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5000
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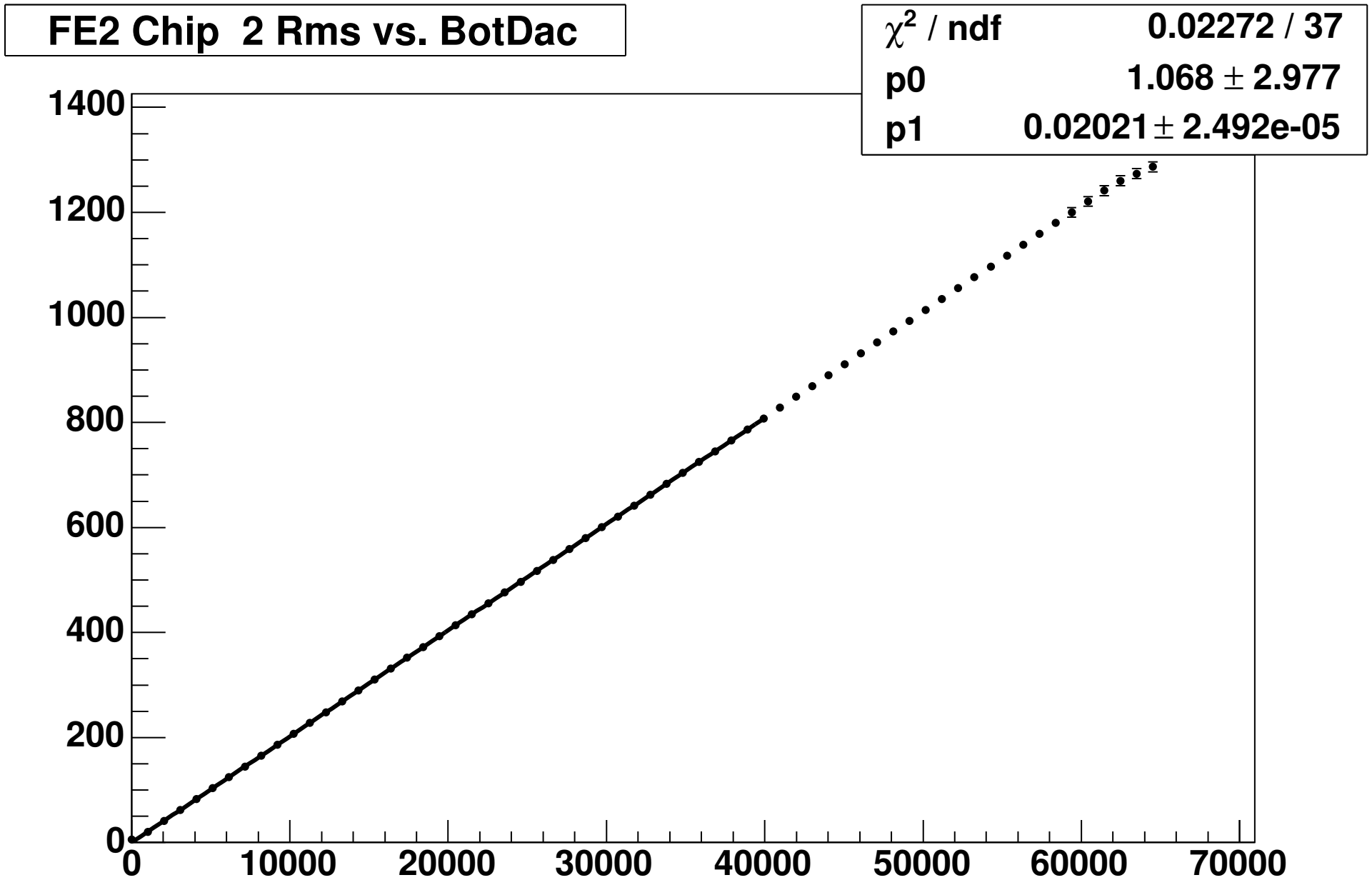
FE2 Chip 2 Rms vs. BotDac
χ² / ndf 0.02272 / 37
p0 1.068 ± 2.977
p1 0.02021 ± 2.492e-05
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1200
1000
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400
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10000
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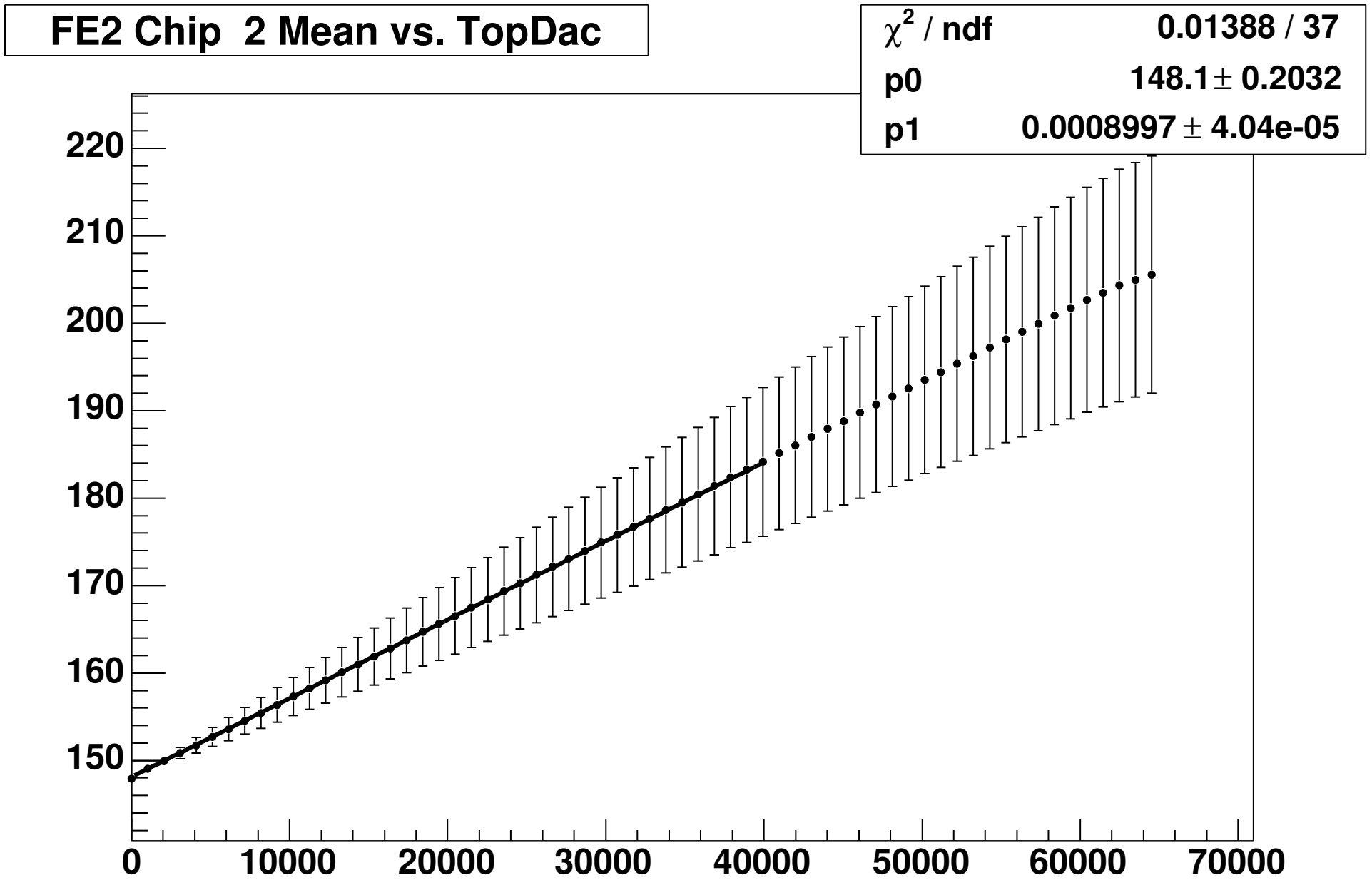
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 0.01388 / 37
p0 148.1 ± 0.2032
p1 0.0008997 ± 4.04e-05
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210
200
190
180
170
160
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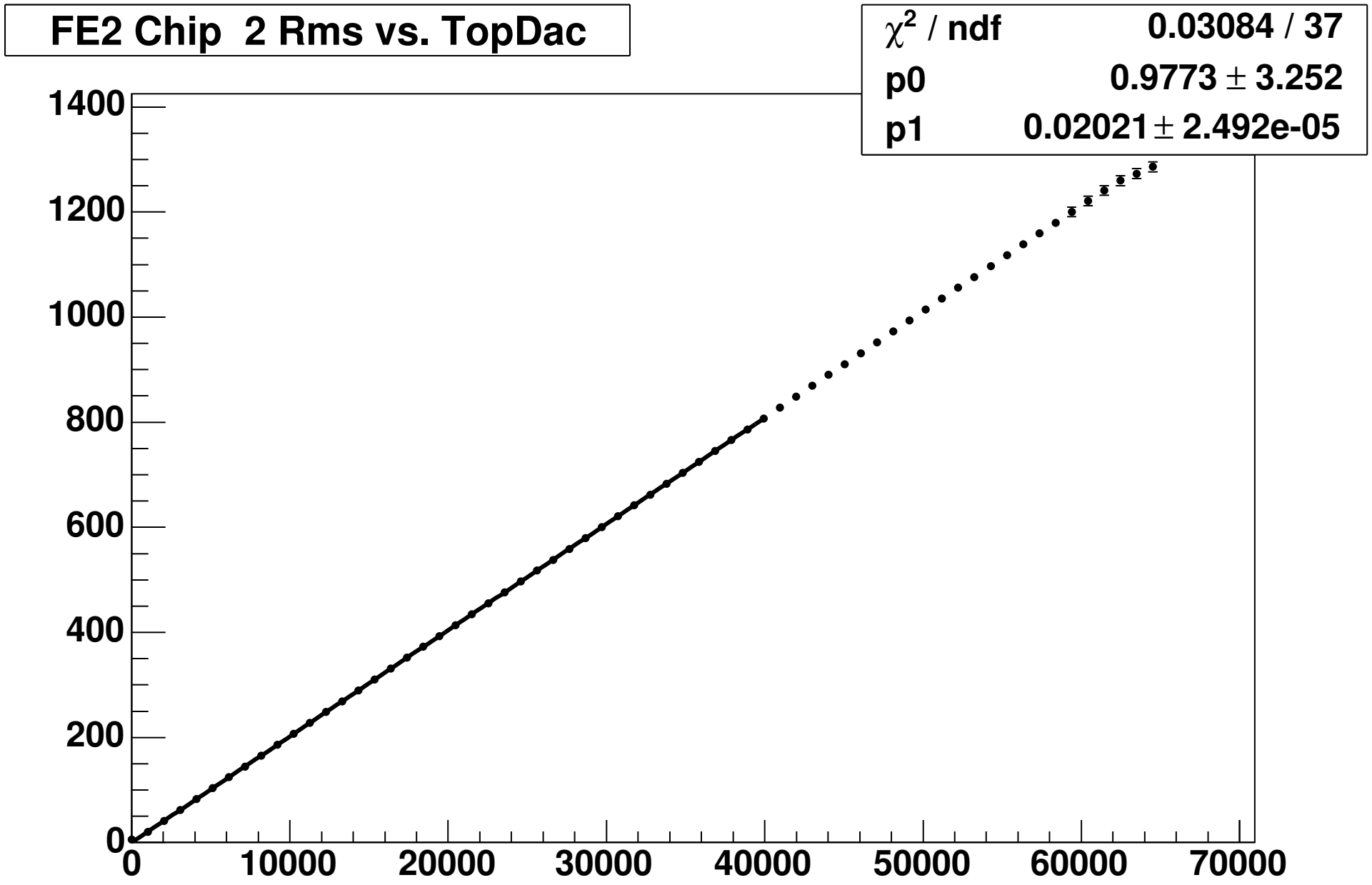
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 0.03084 / 37
p0 0.9773 ± 3.252
p1 0.02021 ± 2.492e-05
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1000
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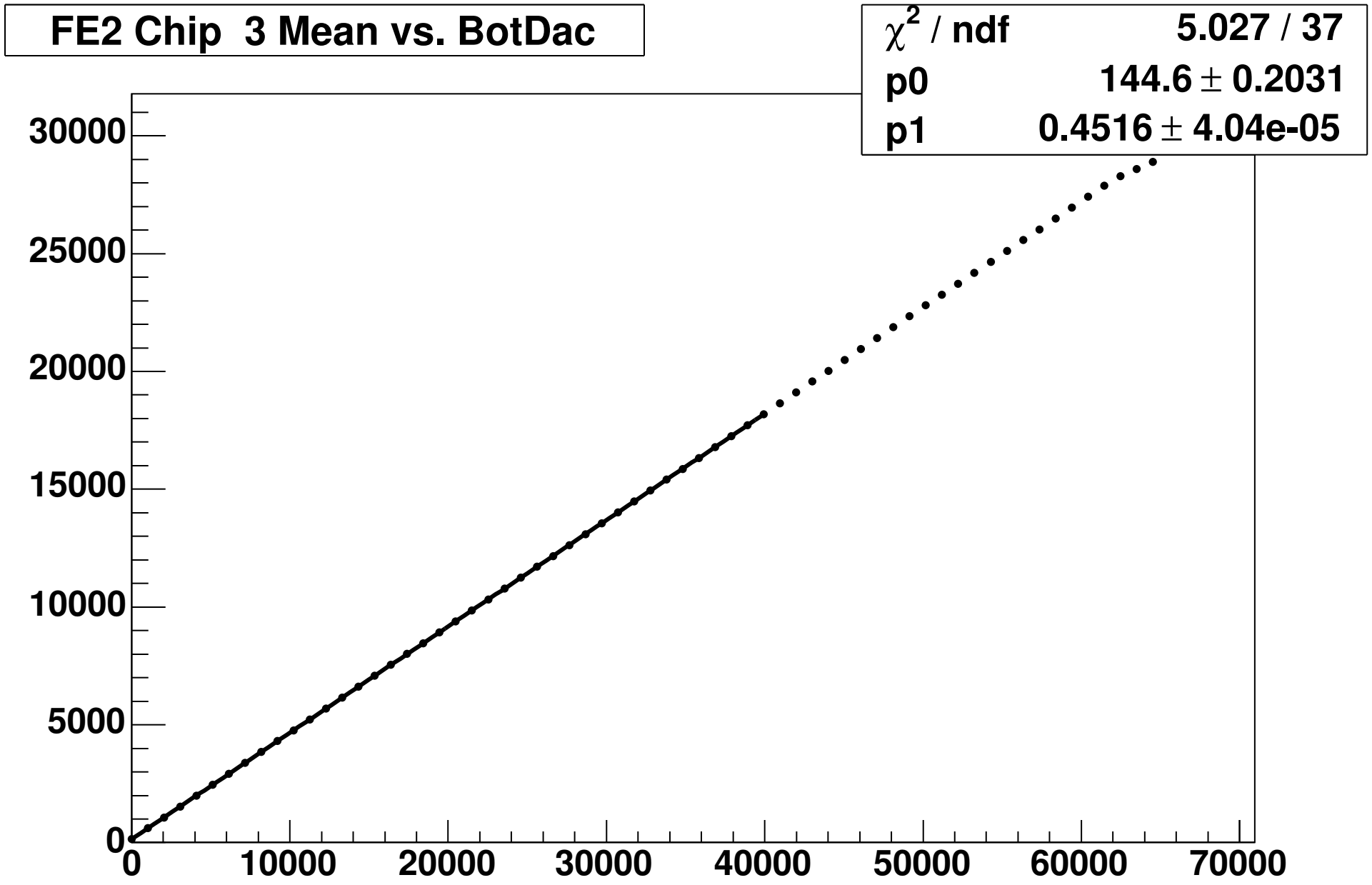
FE2 Chip 3 Mean vs. BotDac
χ² / ndf 5.027 / 37
p0 144.6 ± 0.2031
p1 0.4516 ± 4.04e-05
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20000
15000
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10000
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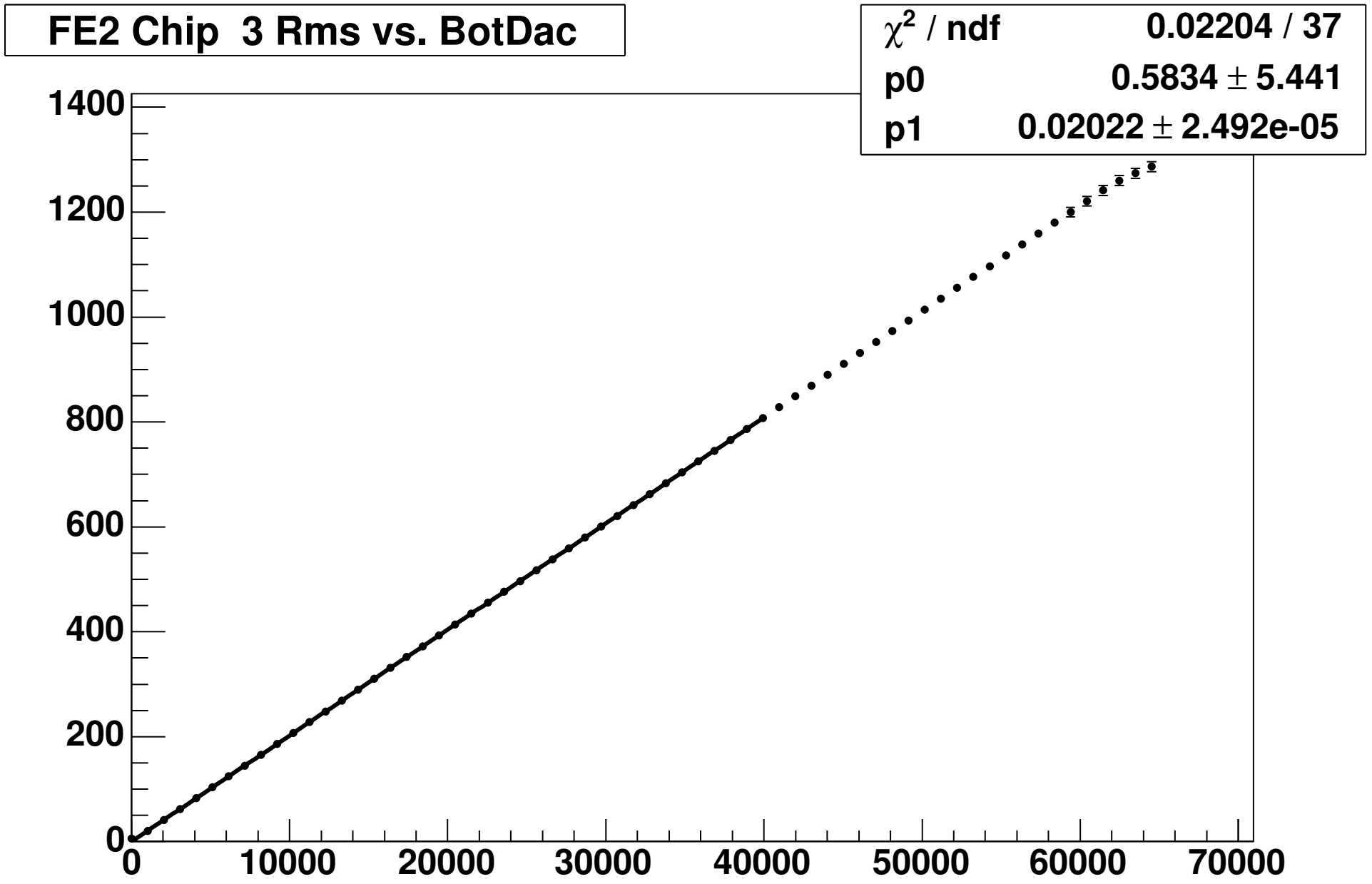
FE2 Chip 3 Rms vs. BotDac
χ² / ndf 0.02204 / 37
p0 0.5834 ± 5.441
p1 0.02022 ± 2.492e-05
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1000
800
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200
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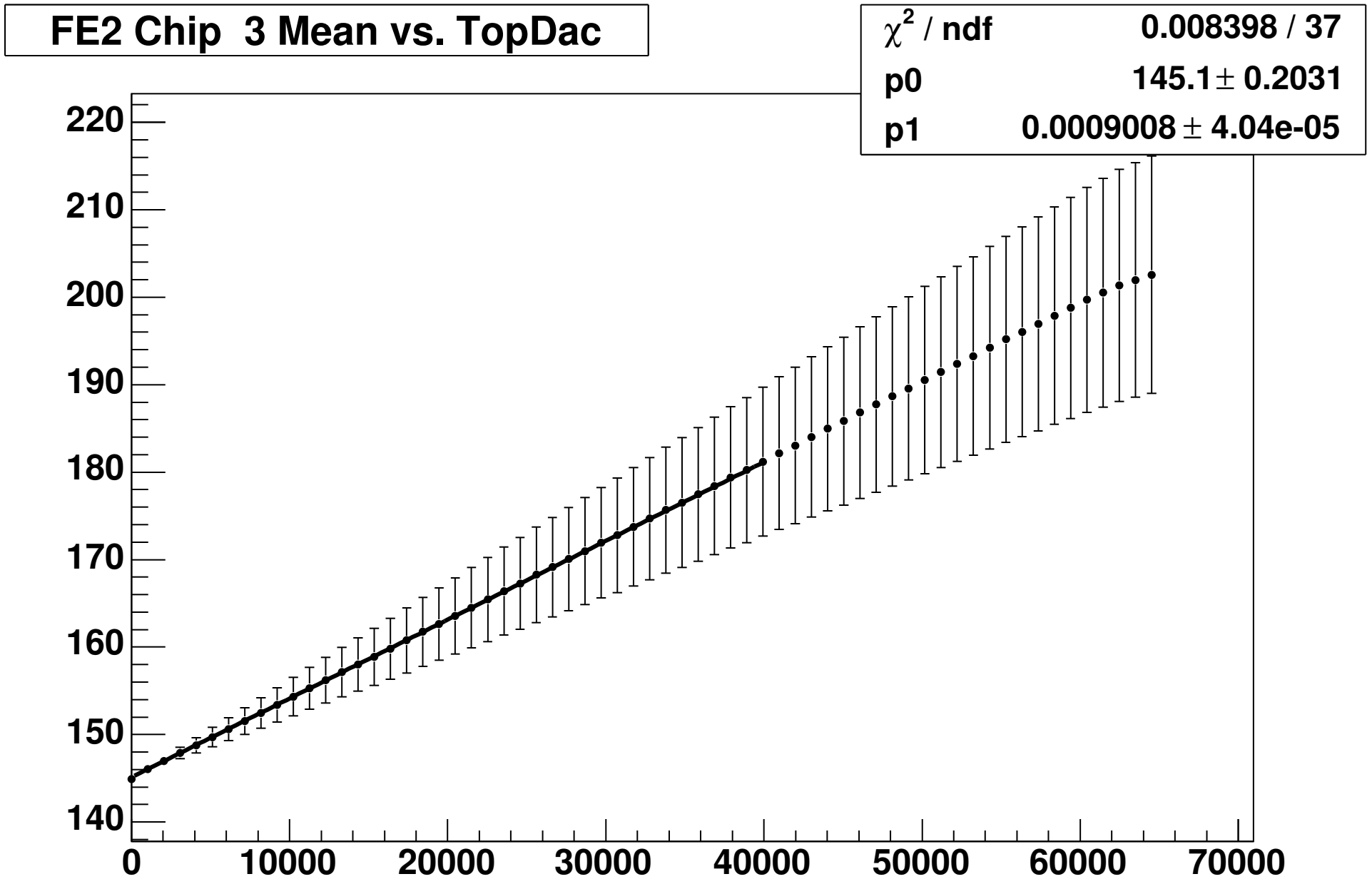
FE2 Chip 3 Mean vs. TopDac
χ² / ndf 0.008398 / 37
p0 145.1 ± 0.2031
p1 0.0009008 ± 4.04e-05
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210
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190
180
170
160
150
140
0
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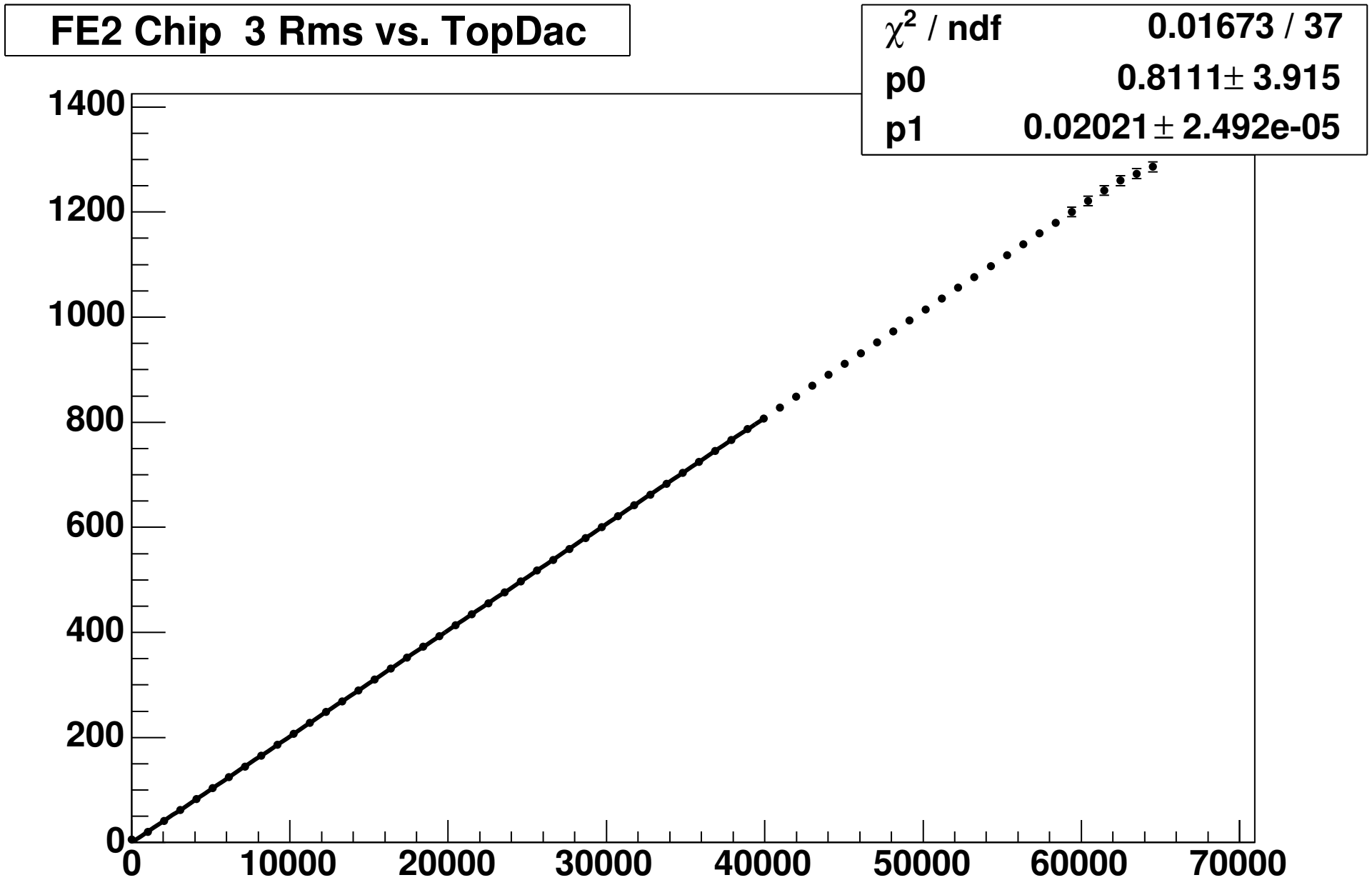
FE2 Chip 3 Rms vs. TopDac
χ² / ndf 0.01673 / 37
p0 0.8111 ± 3.915
p1 0.02021 ± 2.492e-05
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1000
800
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400
200
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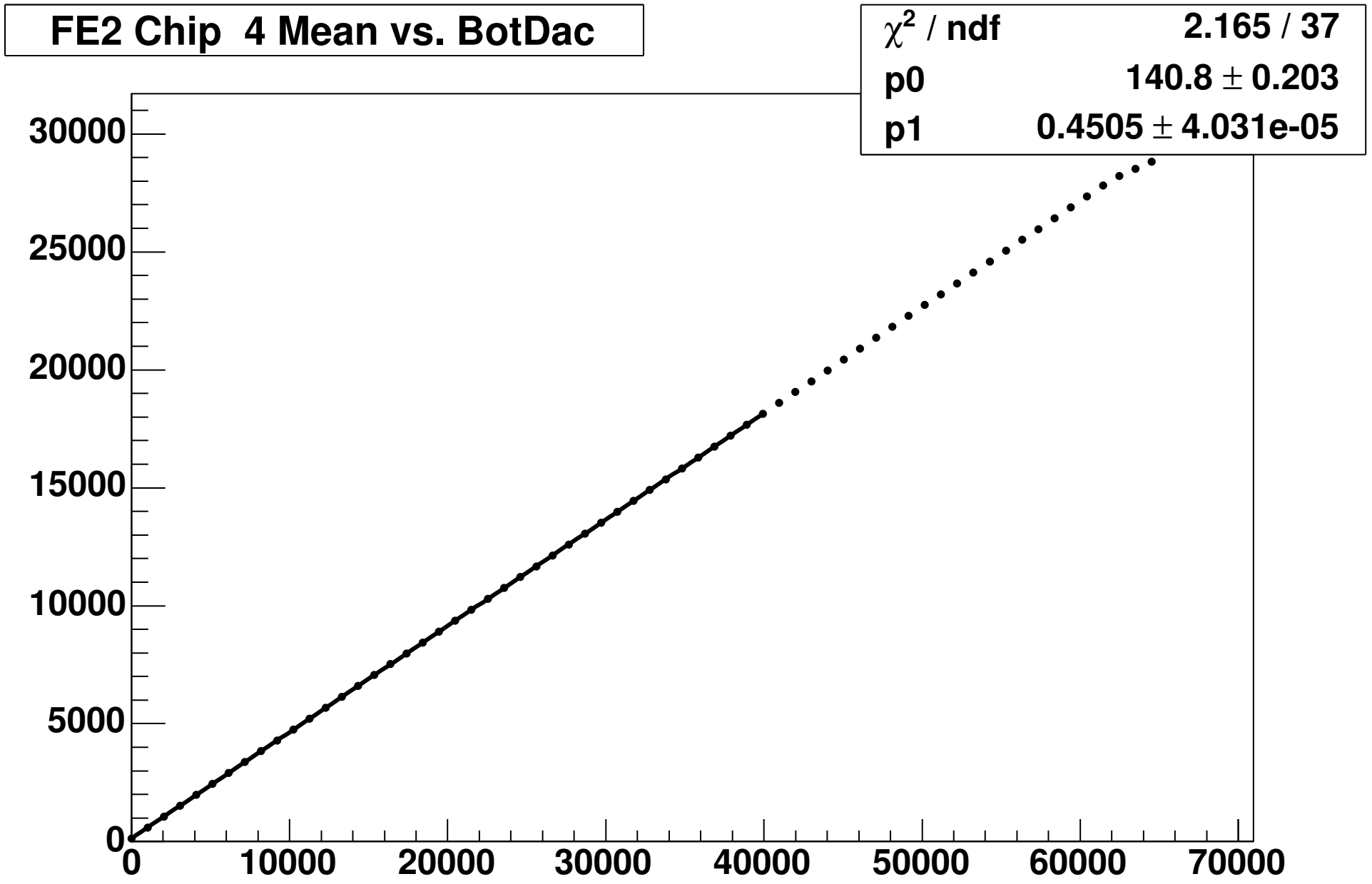
FE2 Chip 4 Mean vs. BotDac
χ² / ndf 2.165 / 37
p0 140.8 ± 0.203
p1 0.4505 ± 4.031e-05
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25000
20000
15000
10000
5000
0
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10000
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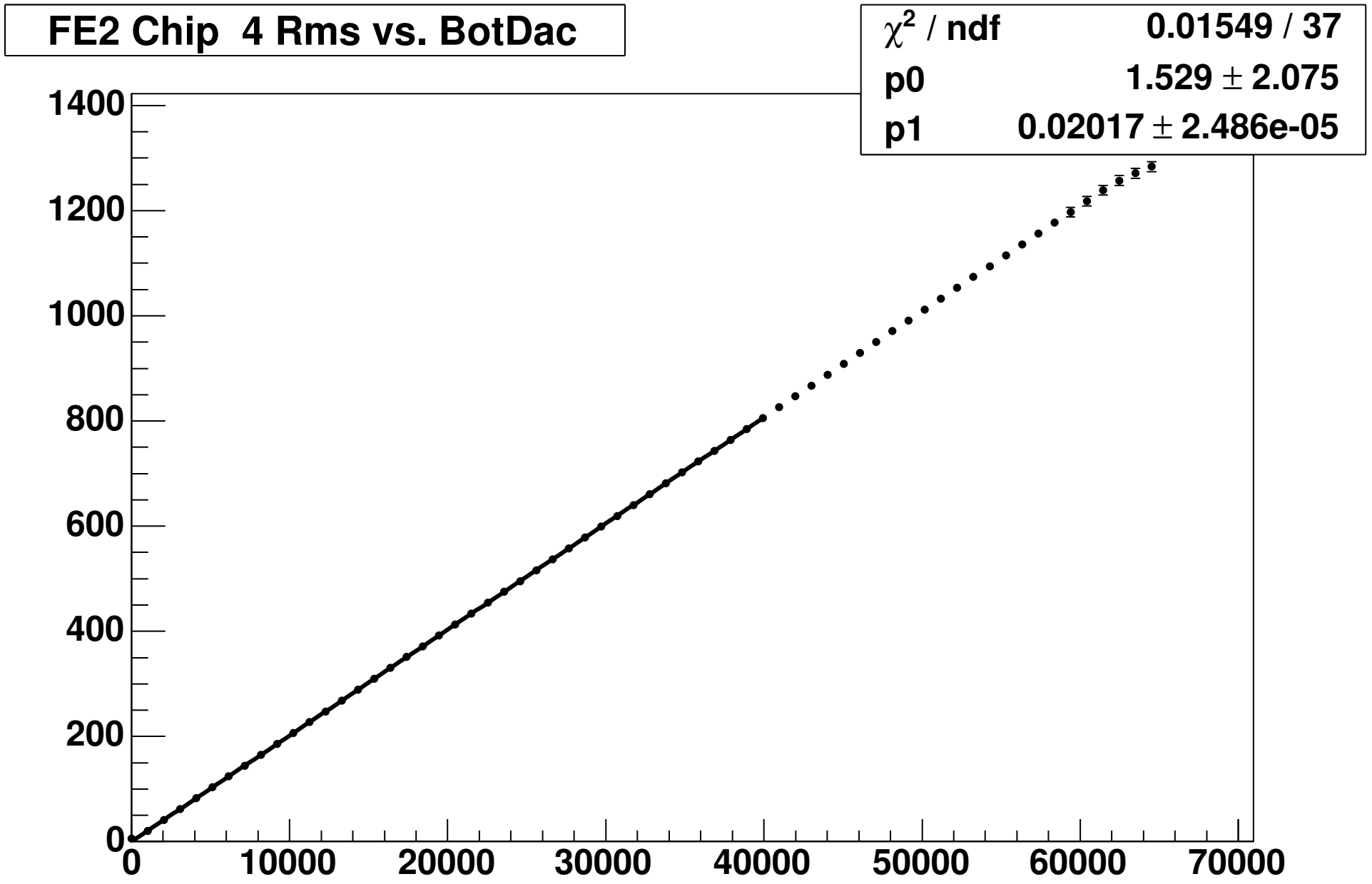
FE2 Chip 4 Rms vs. BotDac
χ² / ndf 0.01549 / 37
p0 1.529 ± 2.075
p1 0.02017 ± 2.486e-05
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1200
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800
600
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10000
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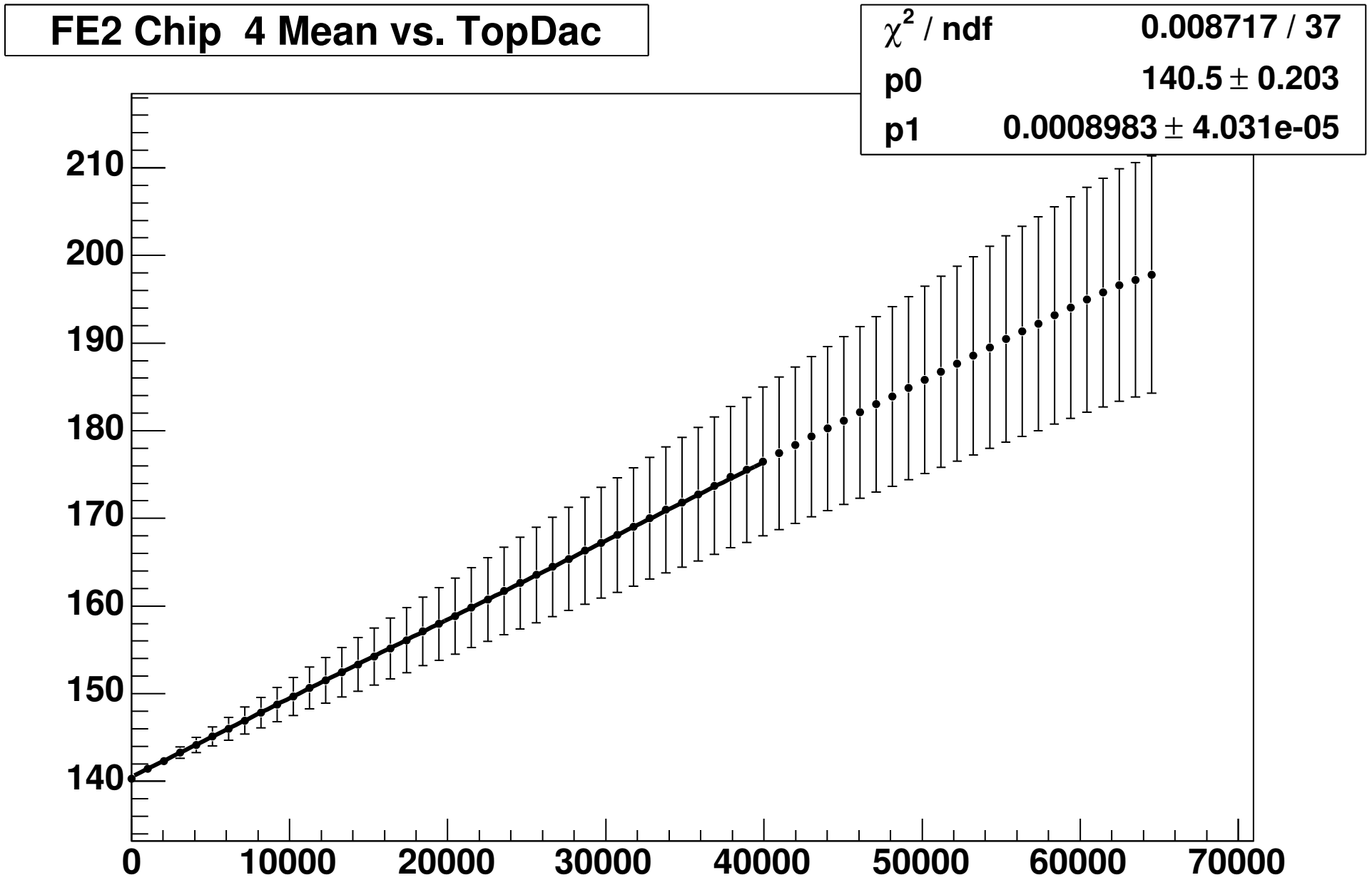
FE2 Chip 4 Mean vs. TopDac
χ² / ndf 0.008717 / 37
p0 140.5 ± 0.203
p1 0.0008983 ± 4.031e-05
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200
190
180
170
160
150
140
0
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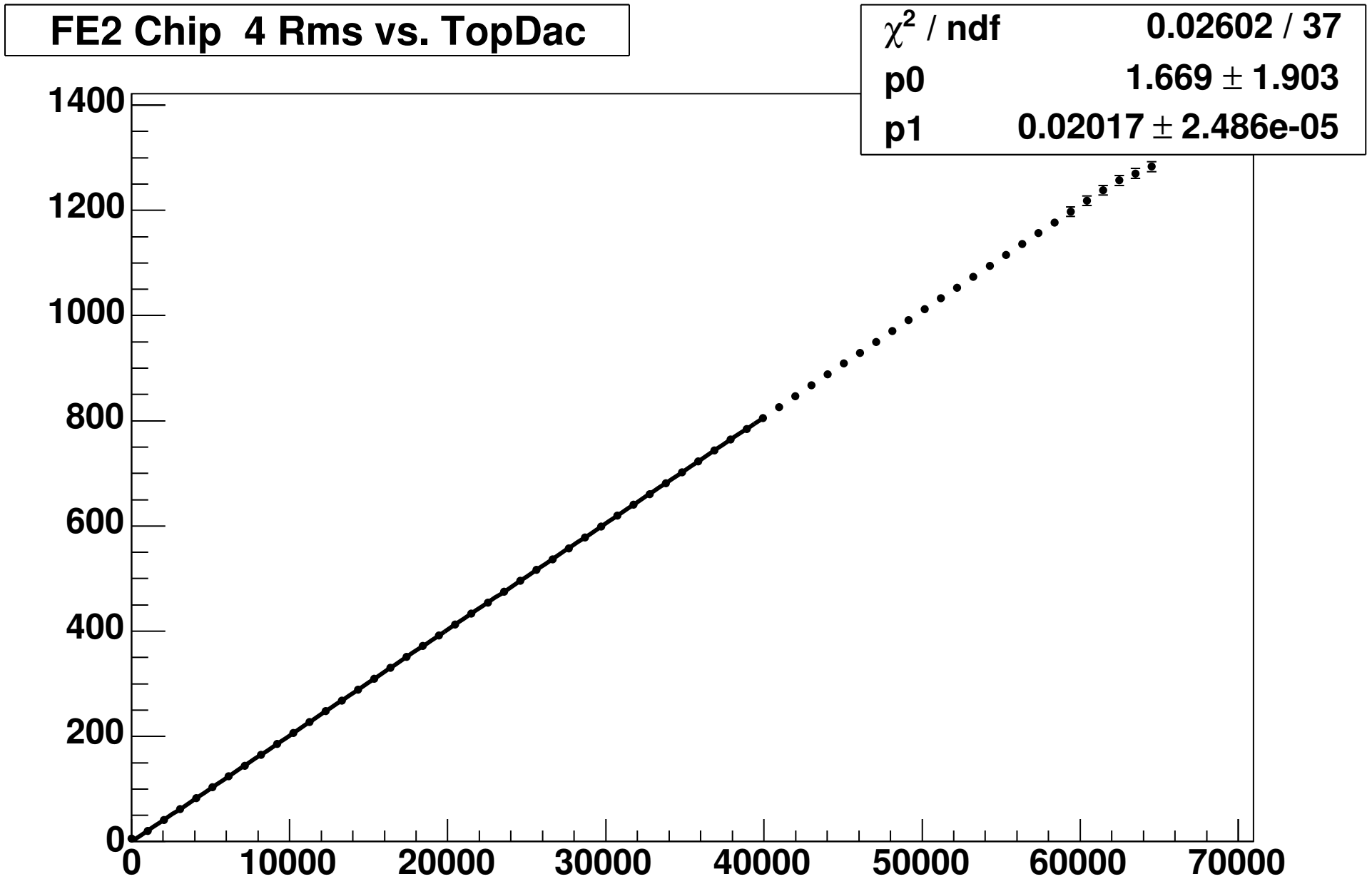
FE2 Chip 4 Rms vs. TopDac
χ² / ndf 0.02602 / 37
p0 1.669 ± 1.903
p1 0.02017 ± 2.486e-05
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800
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200
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10000
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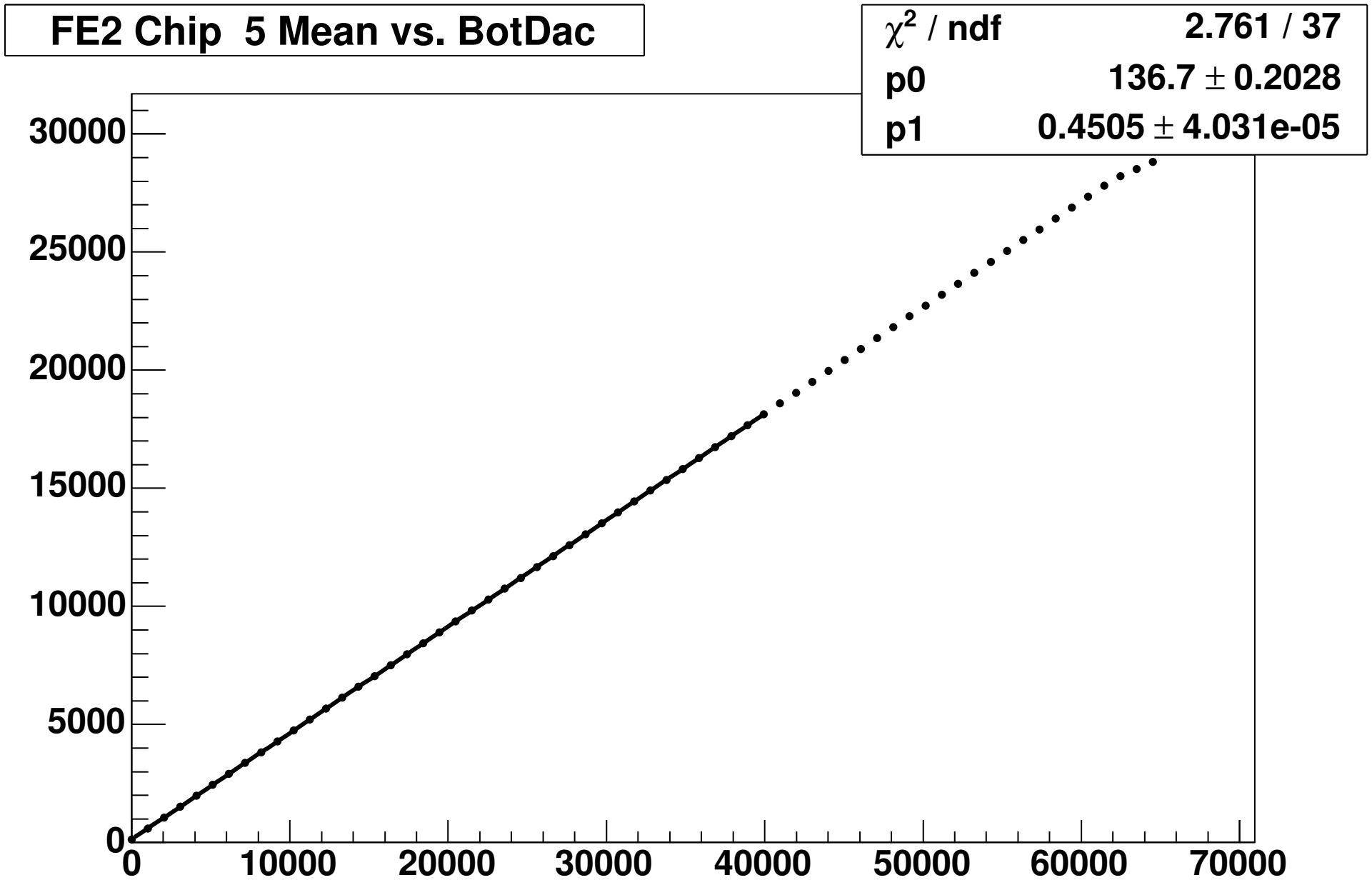
FE2 Chip 5 Mean vs. BotDac
χ² / ndf 2.761 / 37
p0 136.7 ± 0.2028
p1 0.4505 ± 4.031e-05
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0
0
10000
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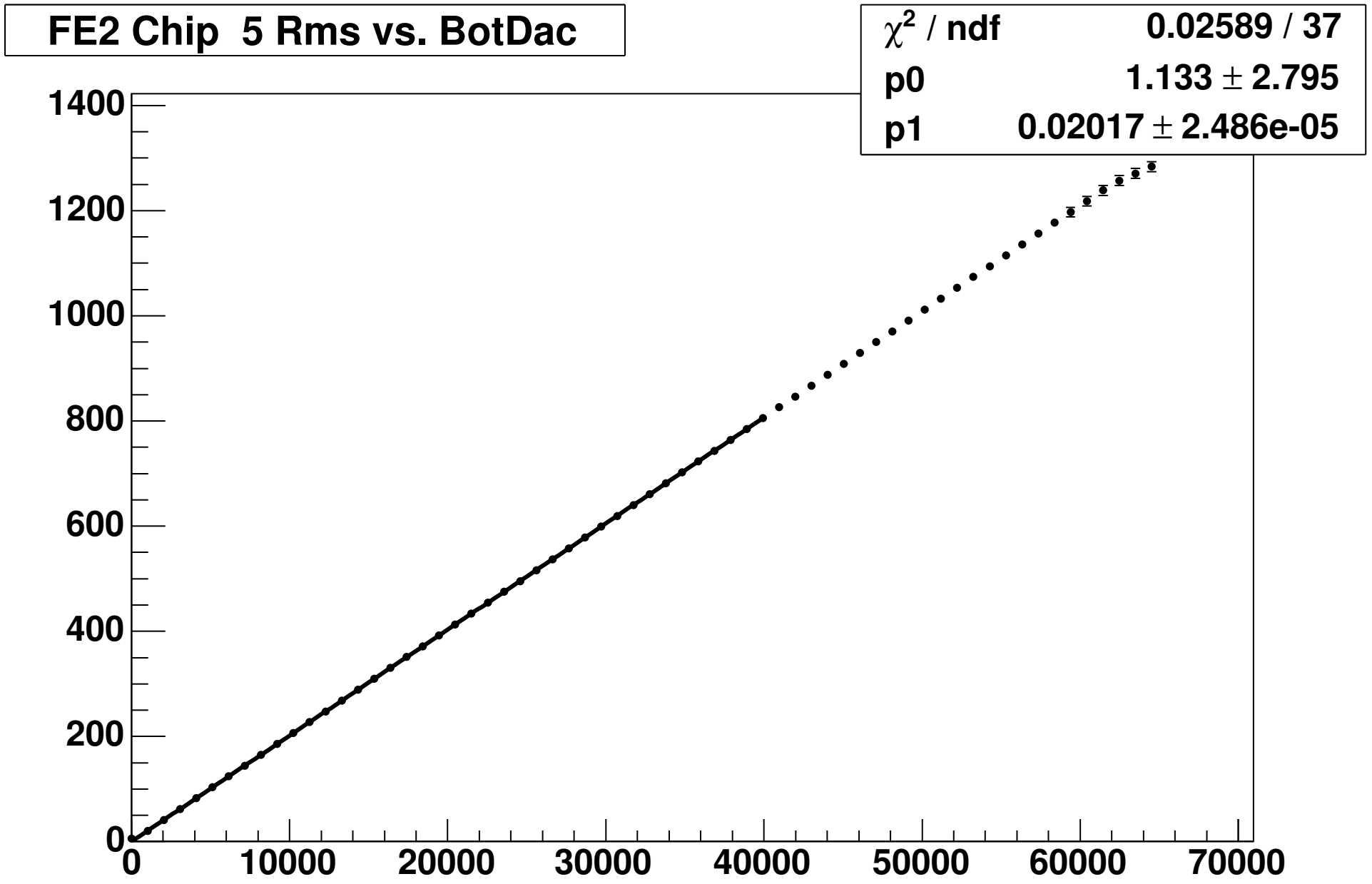
FE2 Chip 5 Rms vs. BotDac
χ² / ndf 0.02589 / 37
p0 1.133 ± 2.795
p1 0.02017 ± 2.486e-05
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1200
1000
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0
10000
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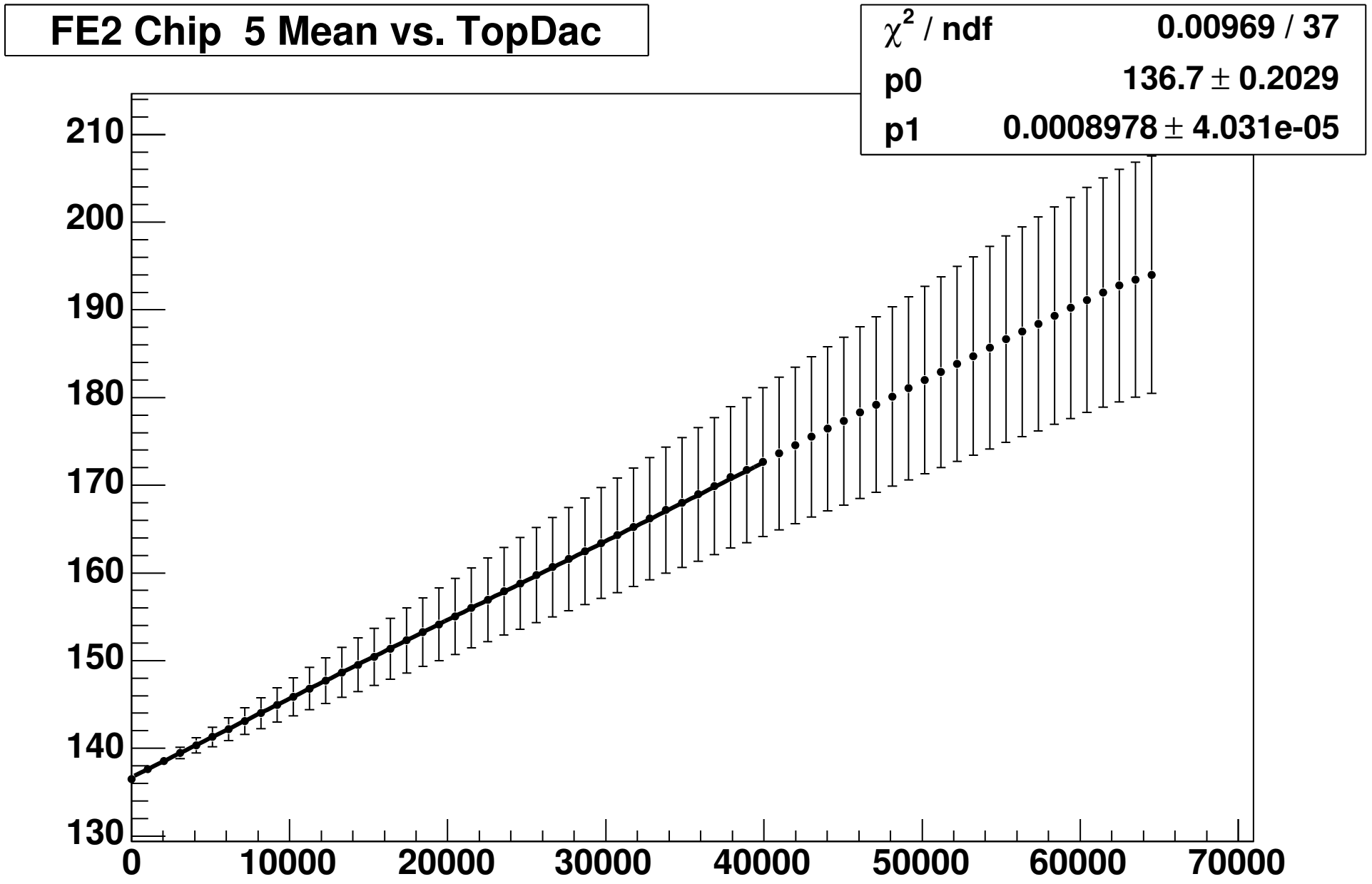
FE2 Chip 5 Mean vs. TopDac
χ² / ndf 0.00969 / 37
p0 136.7 ± 0.2029
p1 0.0008978 ± 4.031e-05
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200
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180
170
160
150
140
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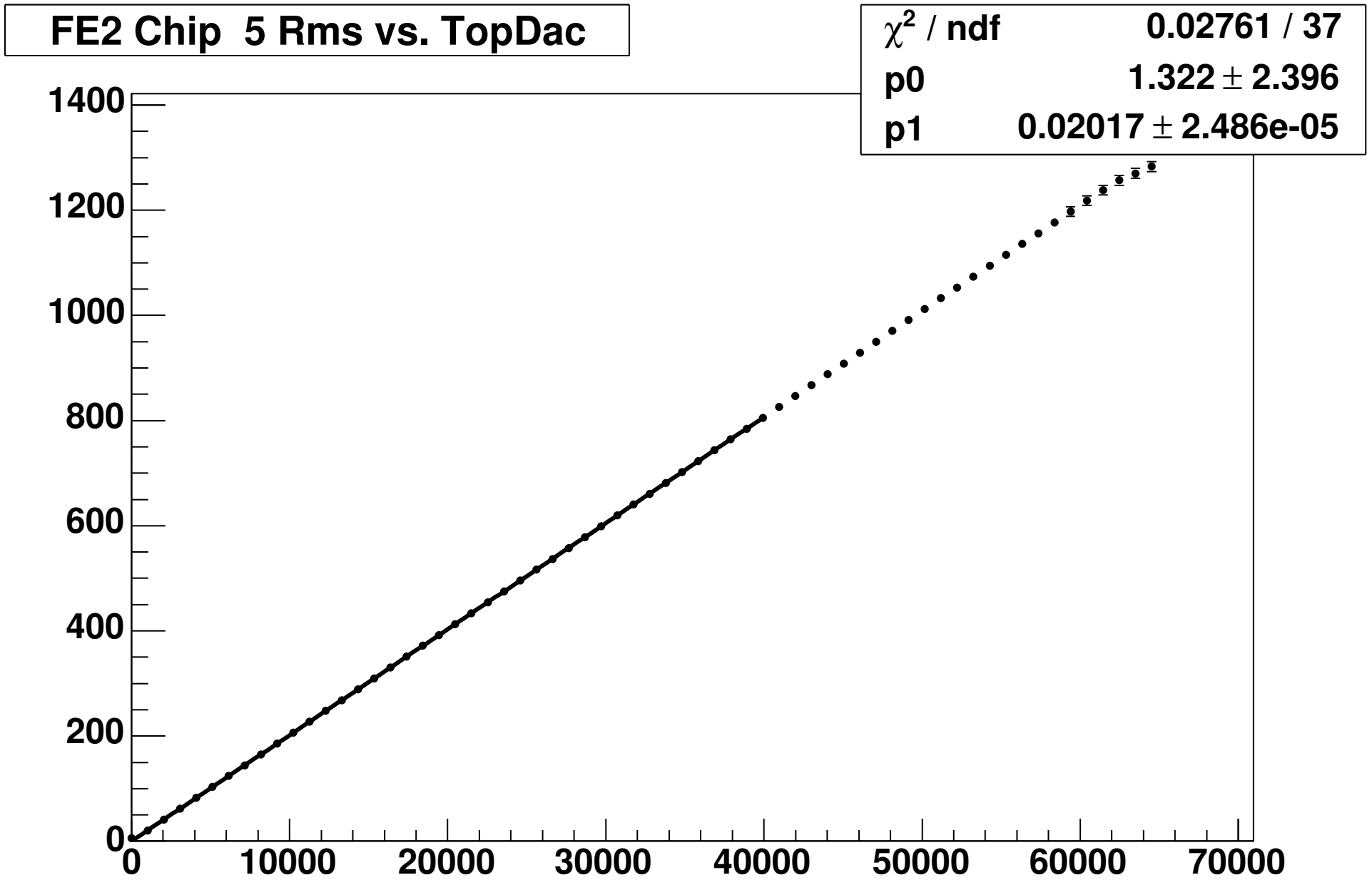
FE2 Chip 5 Rms vs. TopDac
χ² / ndf 0.02761 / 37
p0 1.322 ± 2.396
p1 0.02017 ± 2.486e-05
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1000
800
600
400
200
0
0
10000
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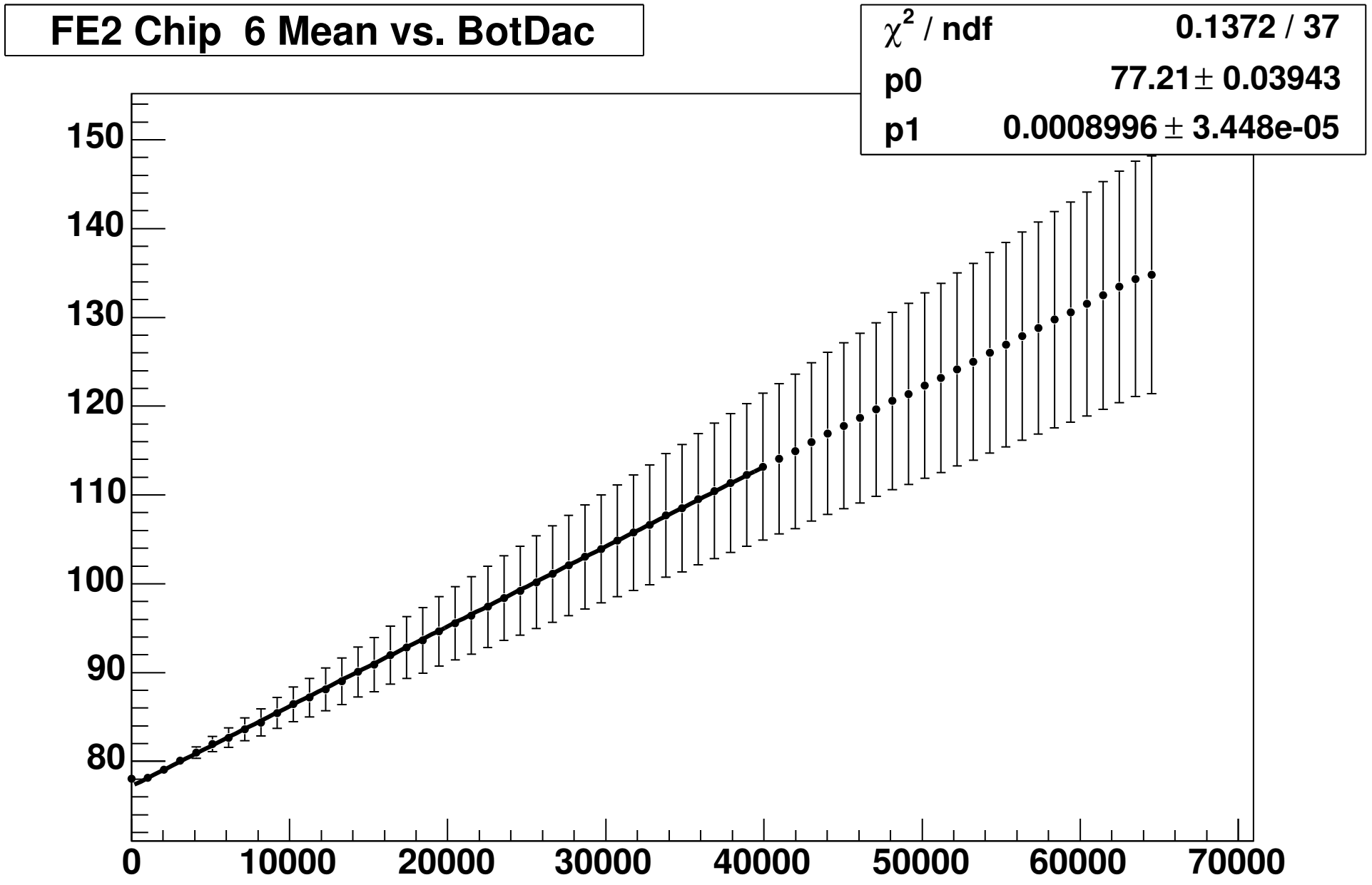
FE2 Chip 6 Mean vs. BotDac
χ² / ndf 0.1372 / 37
p0 77.21 ± 0.03943
p1 0.0008996 ± 3.448e-05
150
140
130
120
110
100
90
80
0
10000
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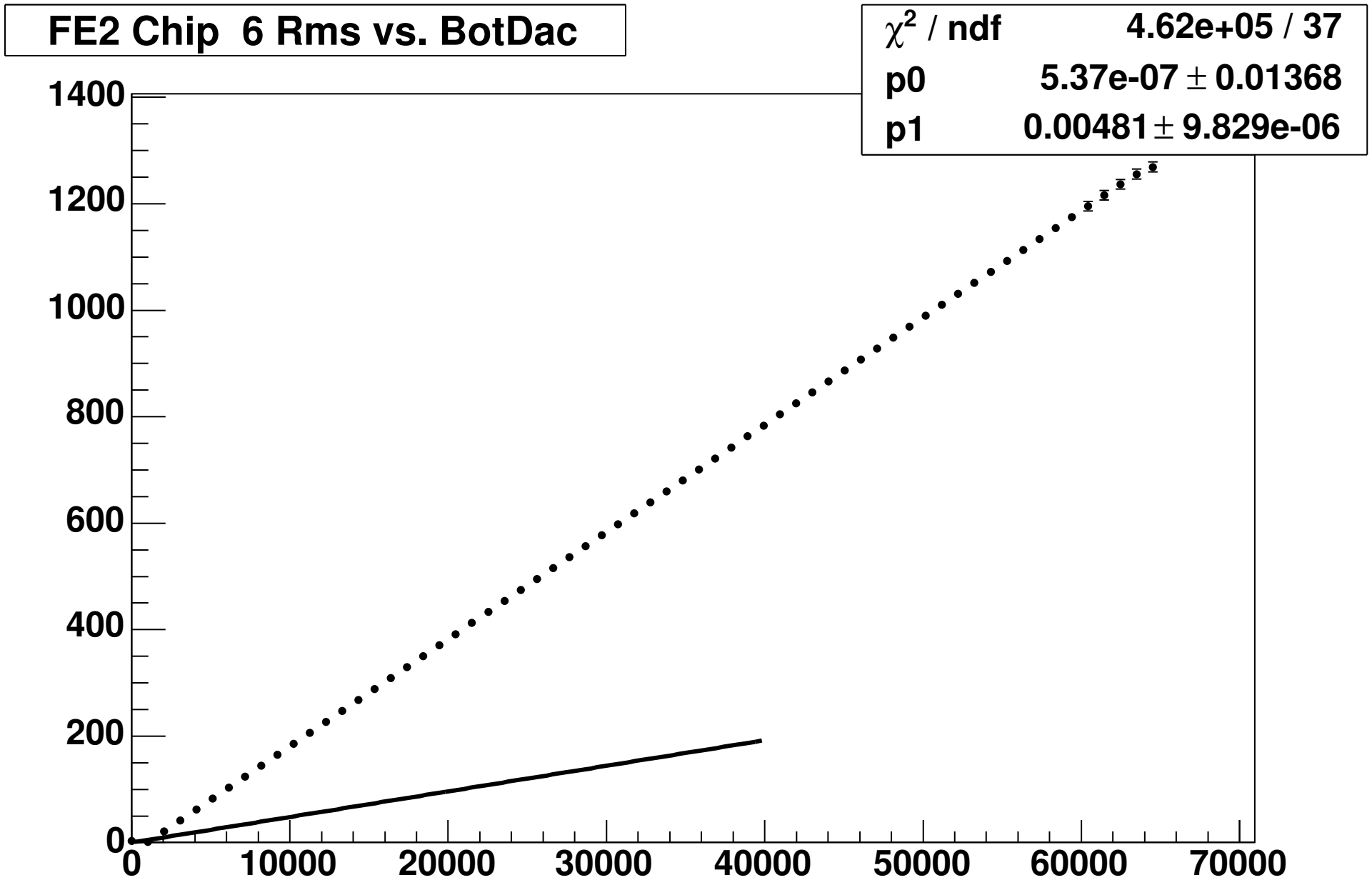
FE2 Chip 6 Rms vs. BotDac
χ² / ndf 4.62e+05 / 37
p0 5.37e-07 ± 0.01368
p1 0.00481 ± 9.829e-06
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1000
800
600
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200
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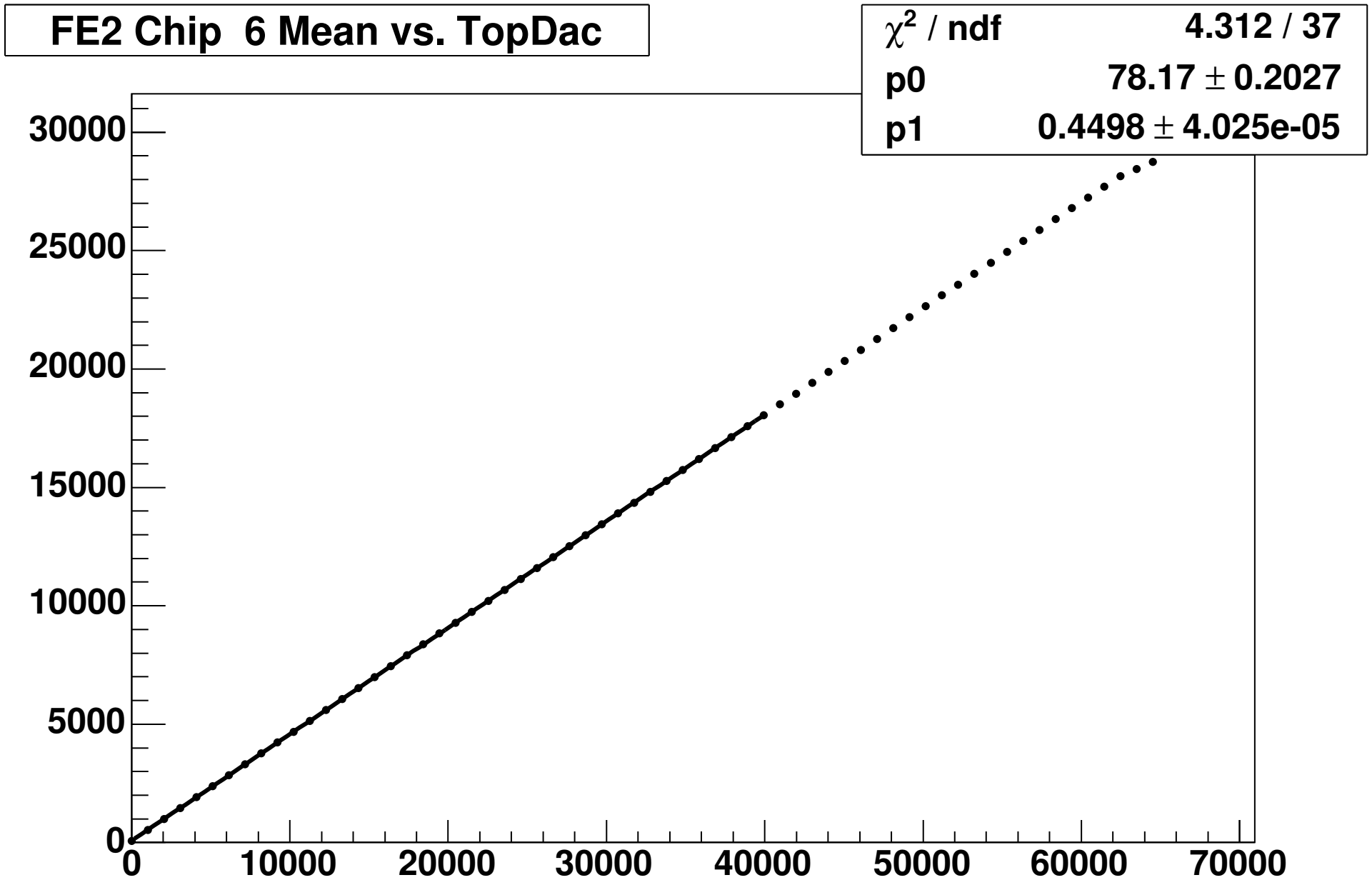
FE2 Chip 6 Mean vs. TopDac
χ² / ndf 4.312 / 37
p0 78.17 ± 0.2027
p1 0.4498 ± 4.025e-05
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15000
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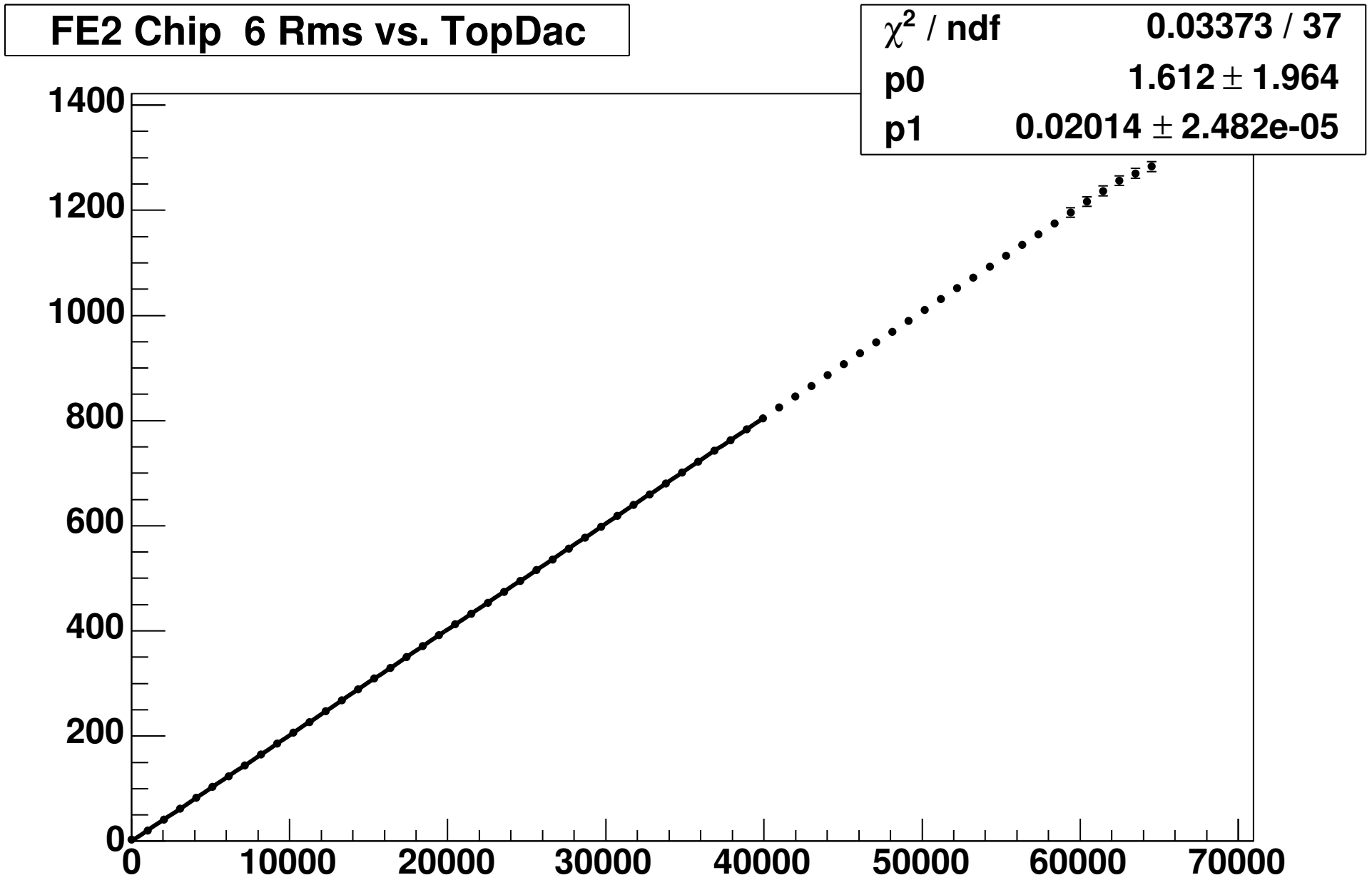
FE2 Chip 6 Rms vs. TopDac
χ² / ndf 0.03373 / 37
p0 1.612 ± 1.964
p1 0.02014 ± 2.482e-05
1400
1200
1000
800
600
400
200
0
0
10000
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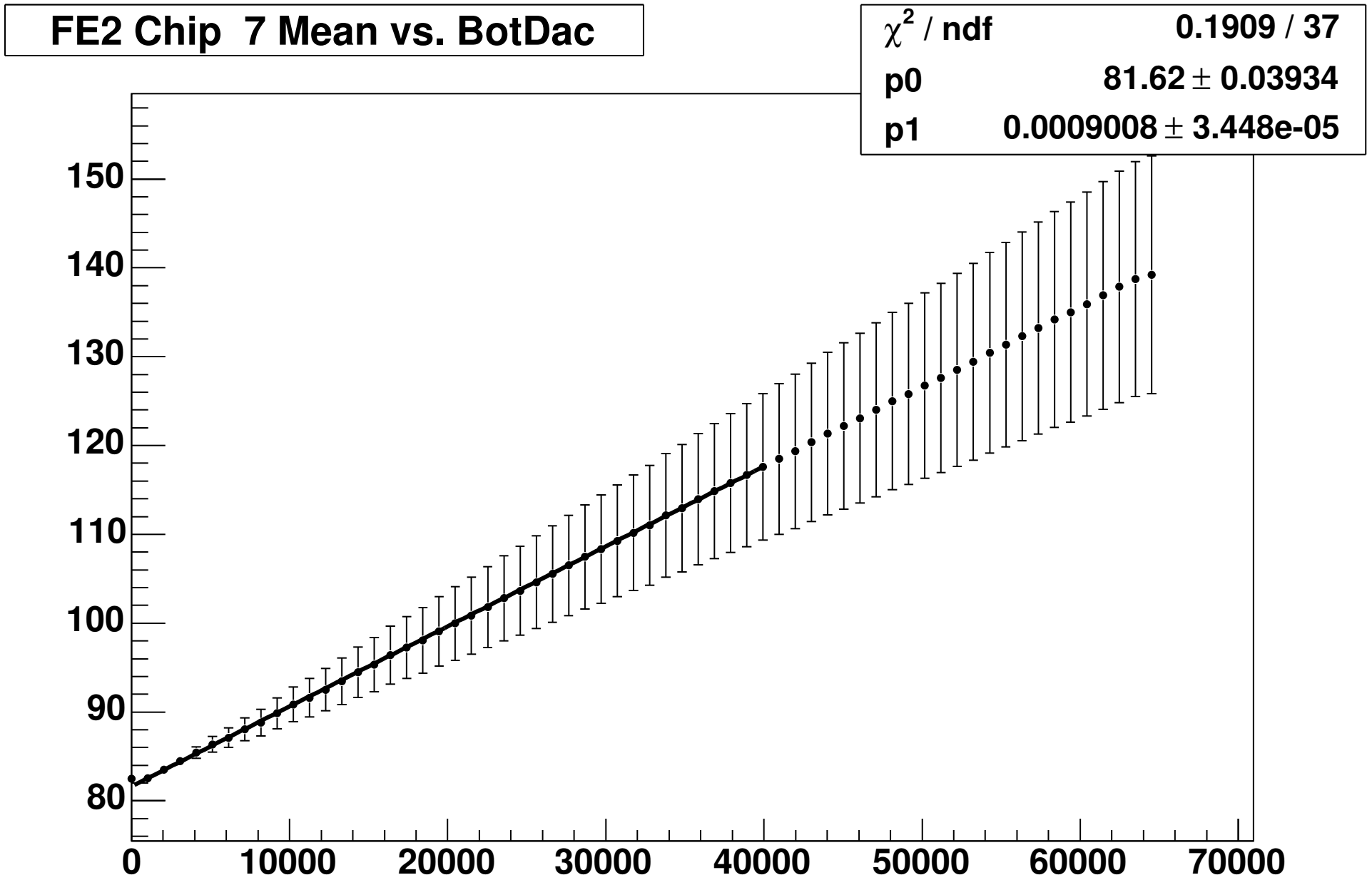
FE2 Chip 7 Mean vs. BotDac
χ² / ndf 0.1909 / 37
p0 81.62 ± 0.03934
p1 0.0009008 ± 3.448e-05
150
140
130
120
110
100
90
80
0
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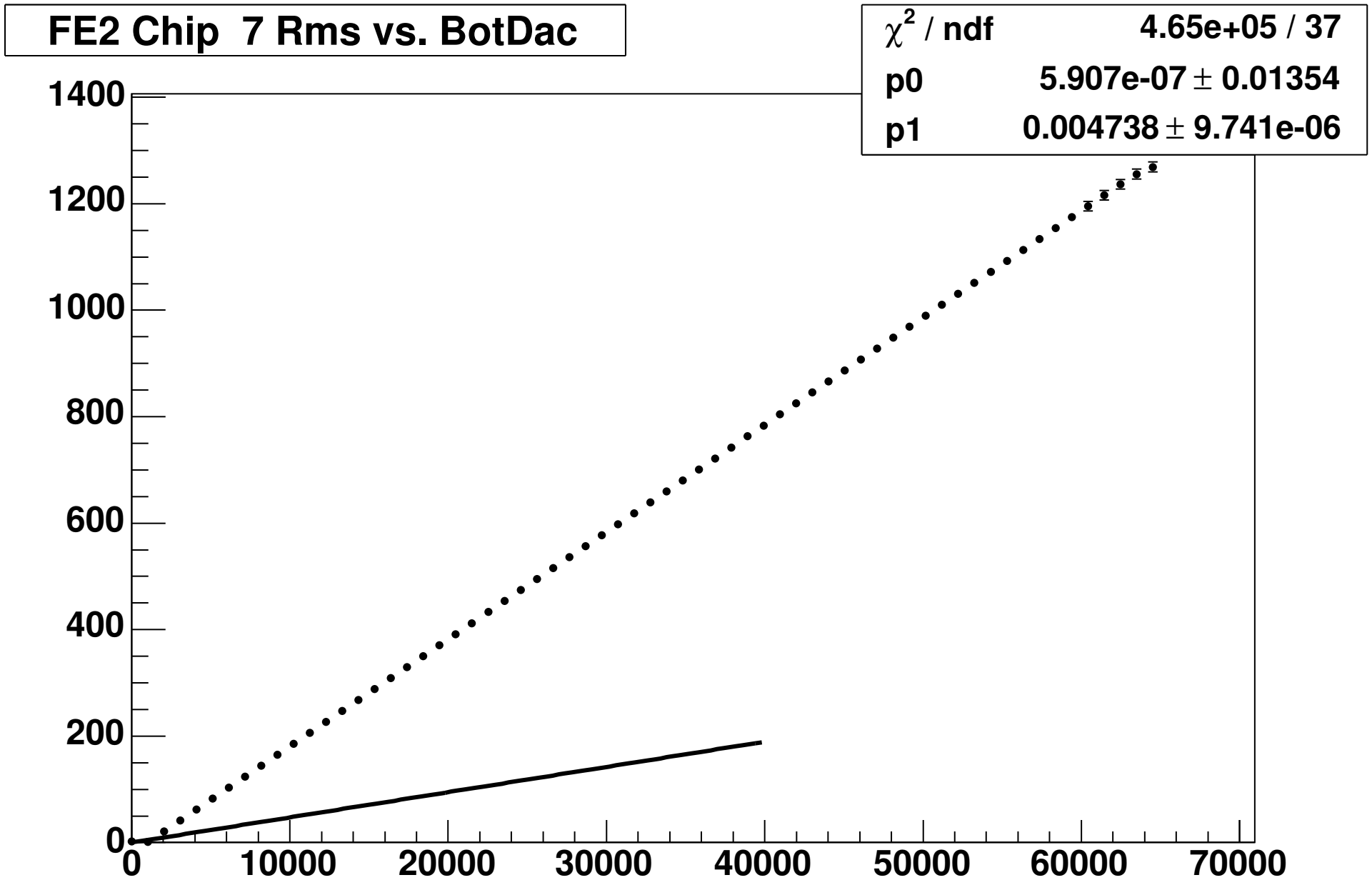
FE2 Chip 7 Rms vs. BotDac
χ² / ndf 4.65e+05 / 37
p0 5.907e-07 ± 0.01354
p1 0.004738 ± 9.741e-06
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1000
800
600
400
200
0
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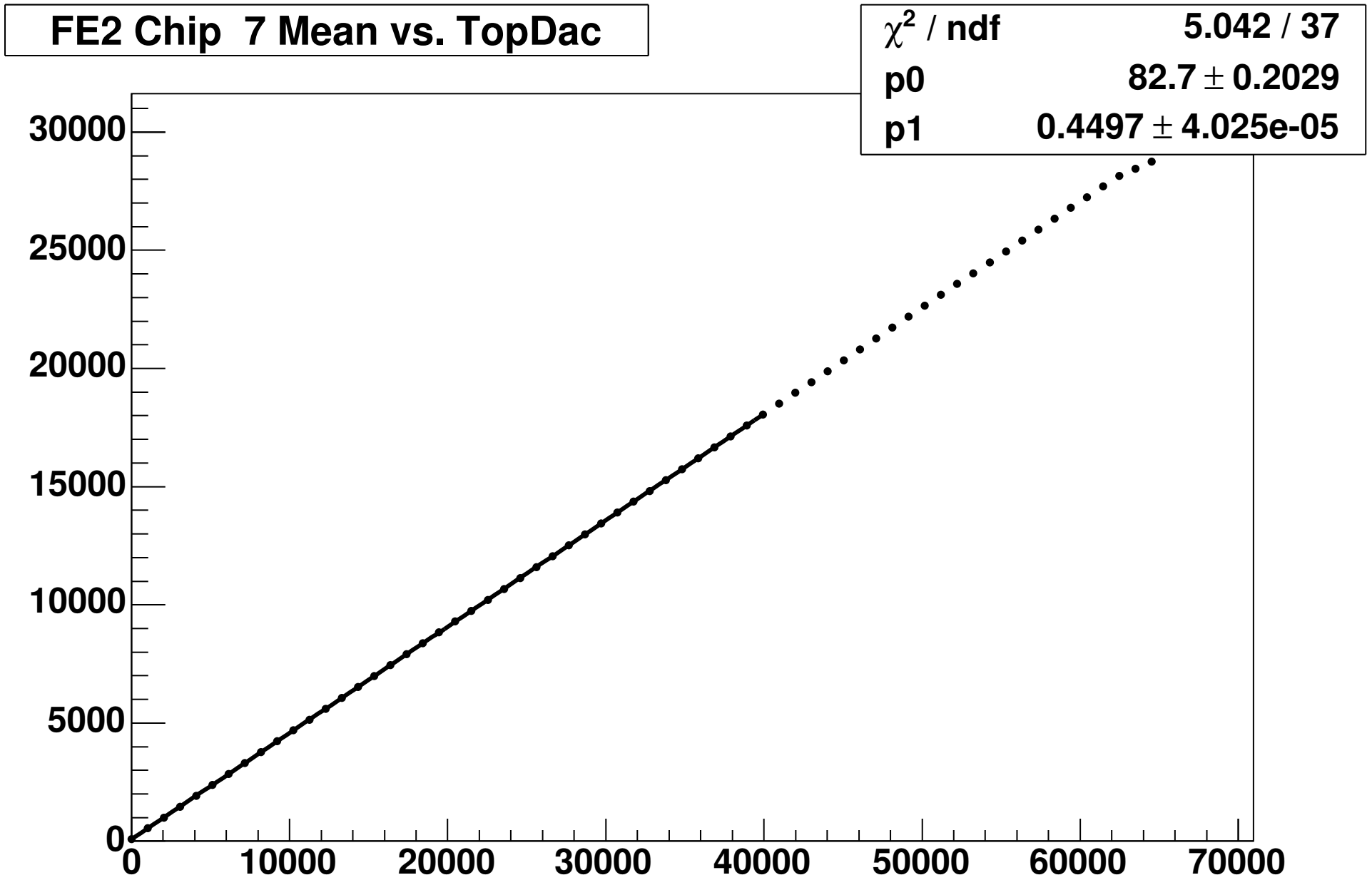
FE2 Chip 7 Mean vs. TopDac
χ² / ndf 5.042 / 37
p0 82.7 ± 0.2029
p1 0.4497 ± 4.025e-05
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15000
10000
5000
0
0
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20000
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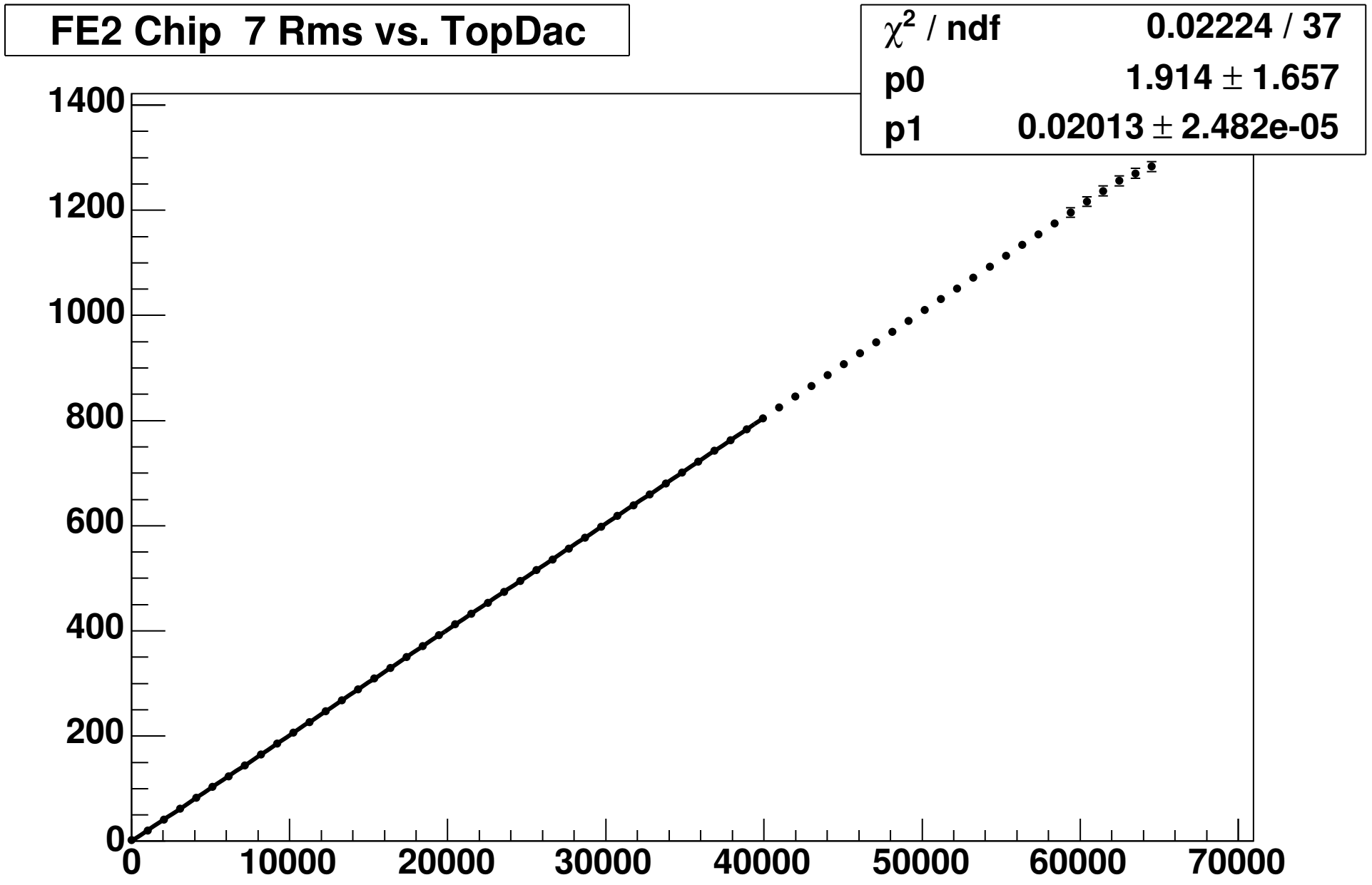
FE2 Chip 7 Rms vs. TopDac
χ² / ndf 0.02224 / 37
p0 1.914 ± 1.657
p1 0.02013 ± 2.482e-05
1400
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1000
800
600
400
200
0
0
10000
20000
30000
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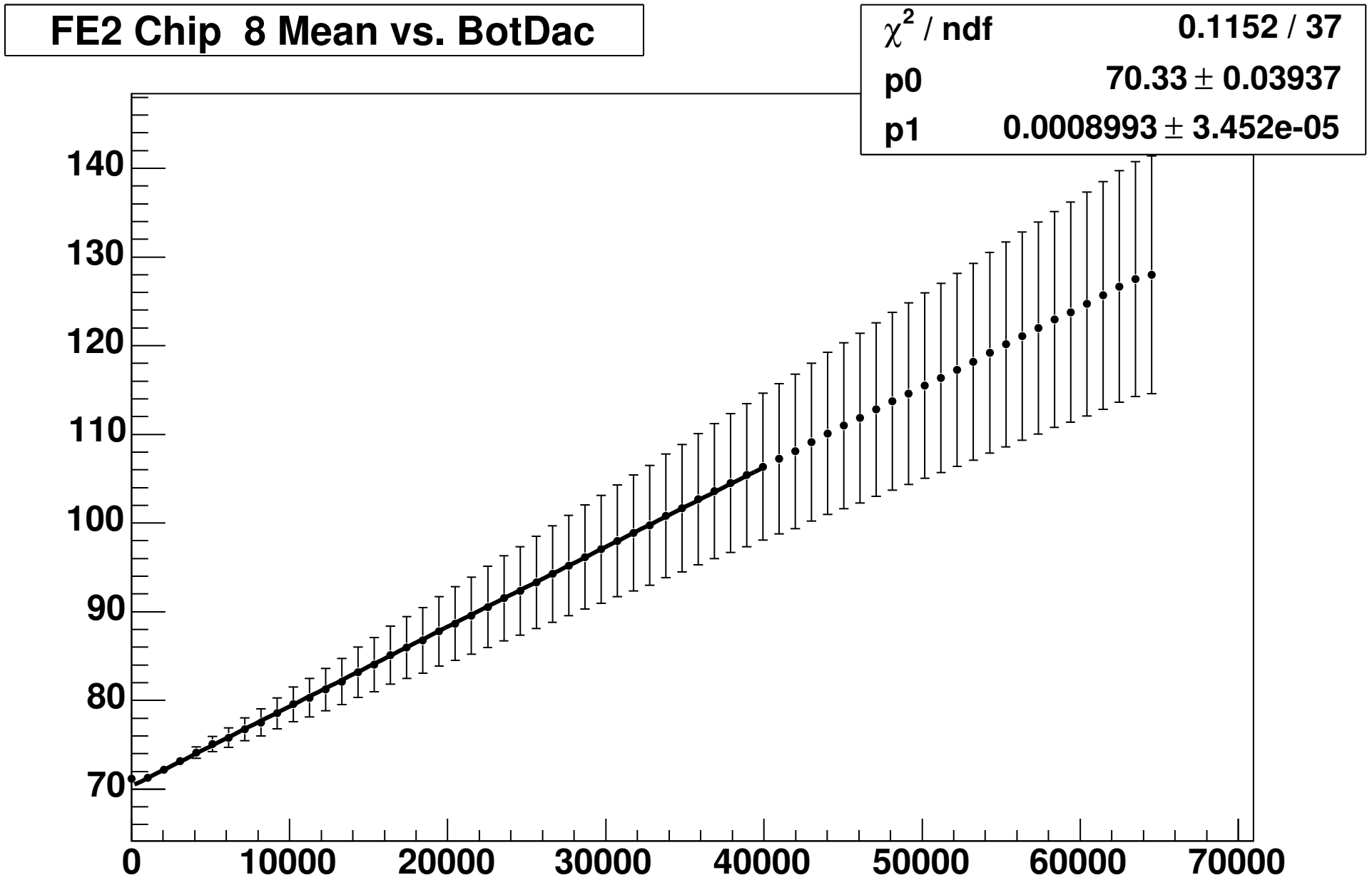
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 0.1152 / 37
p0 70.33 ± 0.03937
p1 0.0008993 ± 3.452e-05
140
130
120
110
100
90
80
70
0
10000
20000
30000
40000
50000
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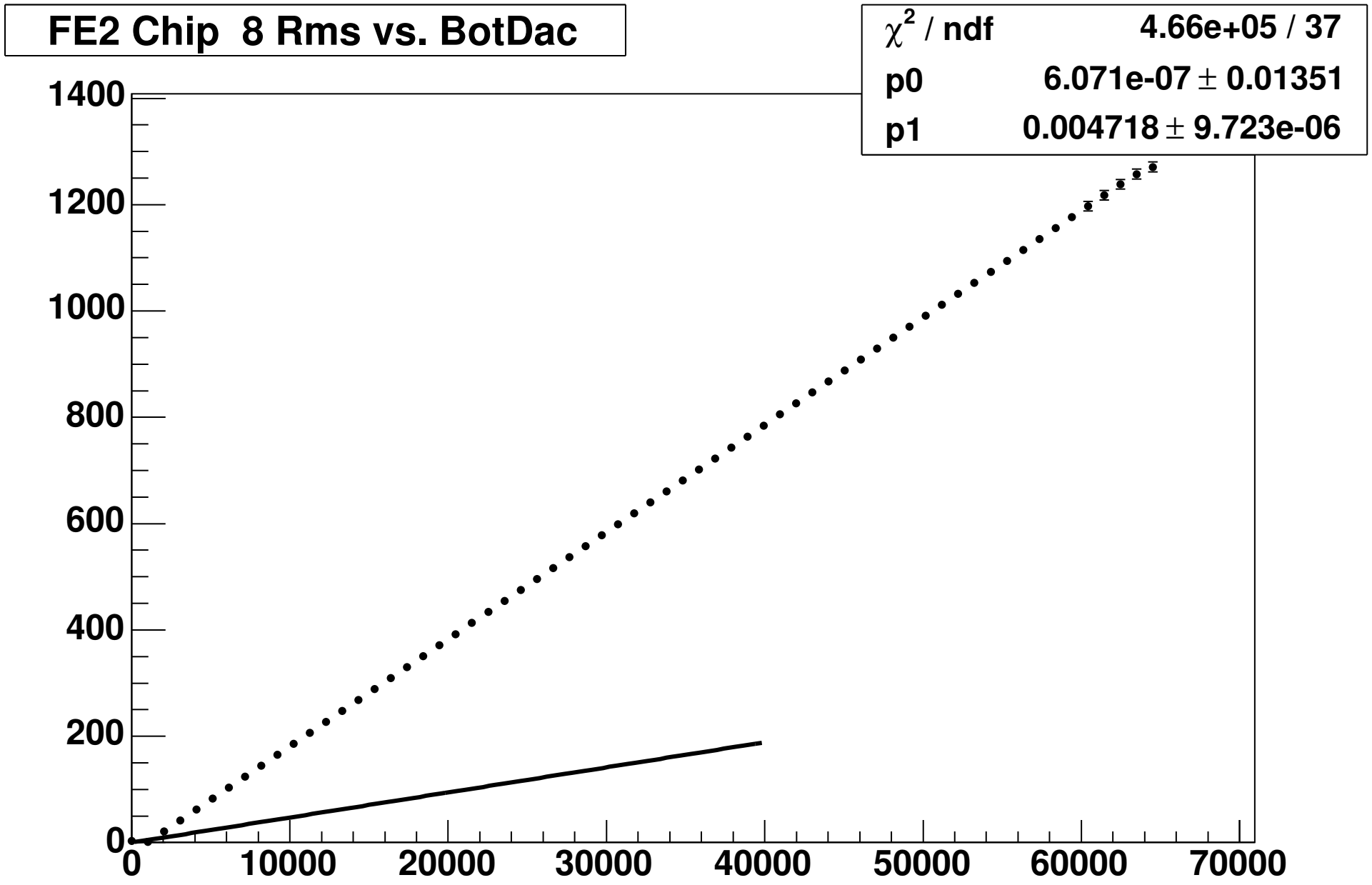
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 4.66e+05 / 37
p0 6.071e-07 ± 0.01351
p1 0.004718 ± 9.723e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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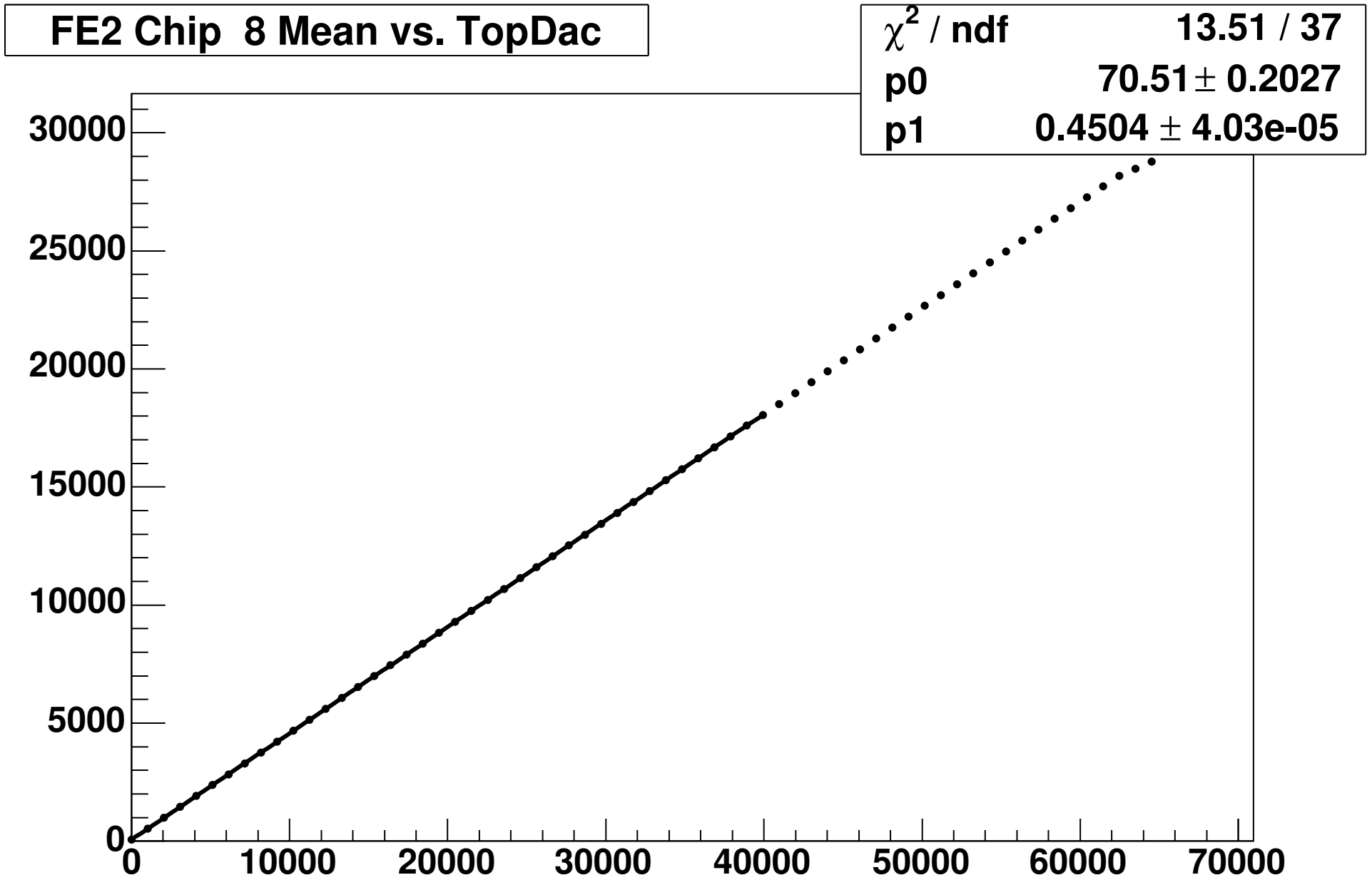
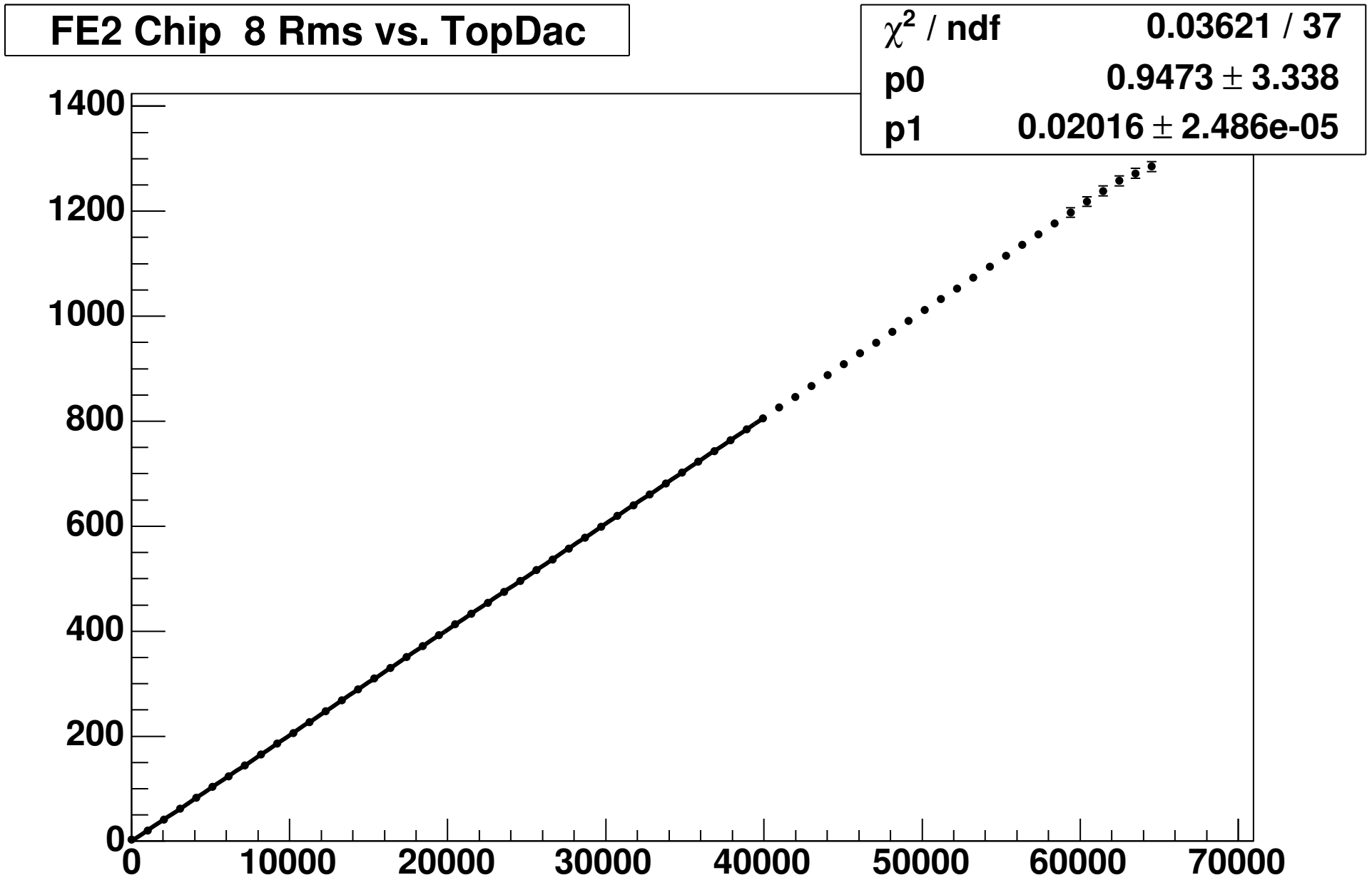

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 13.51 / 37
p0 70.51 ± 0.2027
p1 0.4504 ± 4.03e-05
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 0.03621 / 37
p0 0.9473 ± 3.338
p1 0.02016 ± 2.486e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
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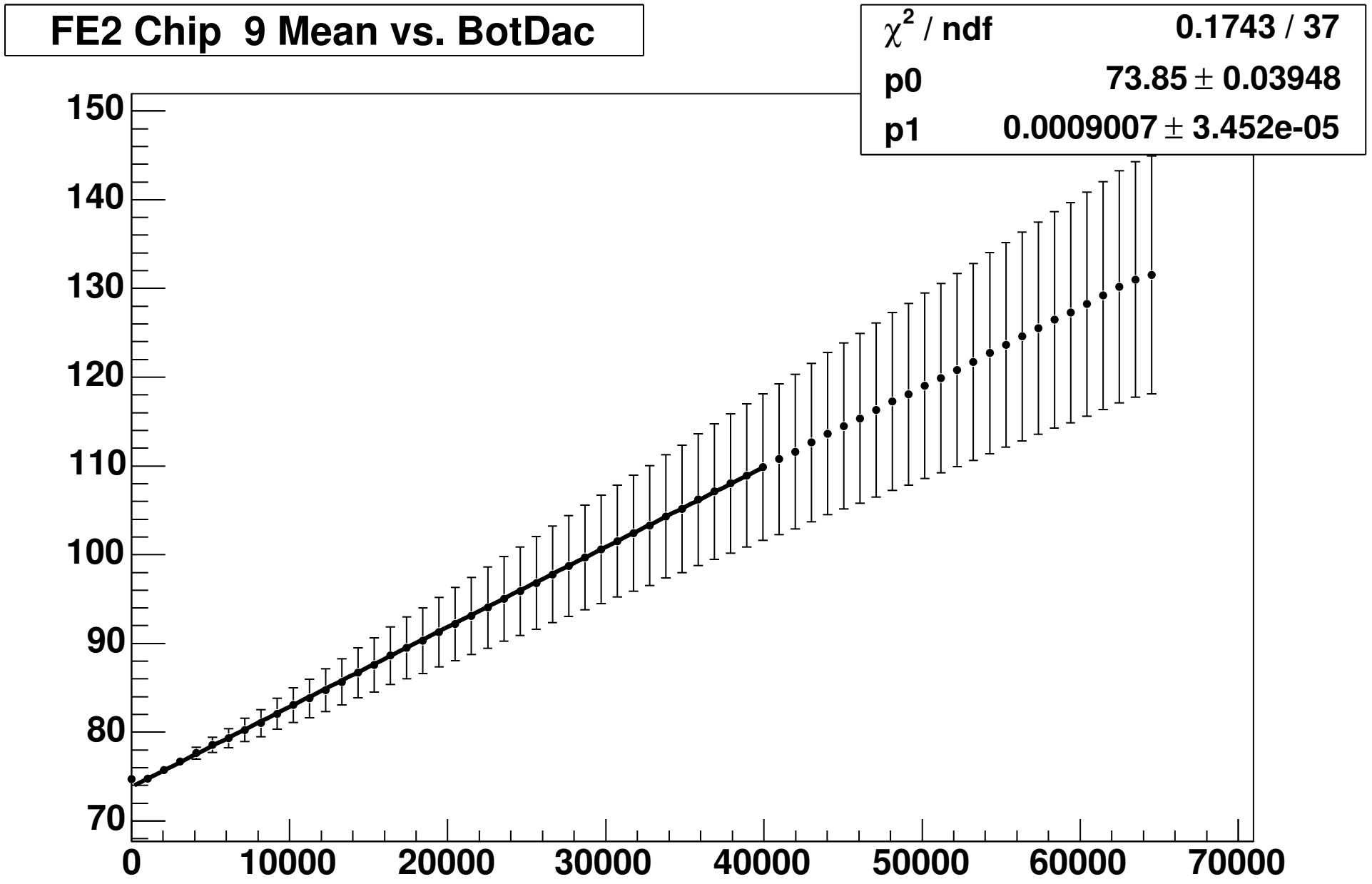
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 0.1743 / 37
p0 73.85 ± 0.03948
p1 0.0009007 ± 3.452e-05
150
140
130
120
110
100
90
80
70
0
10000
20000
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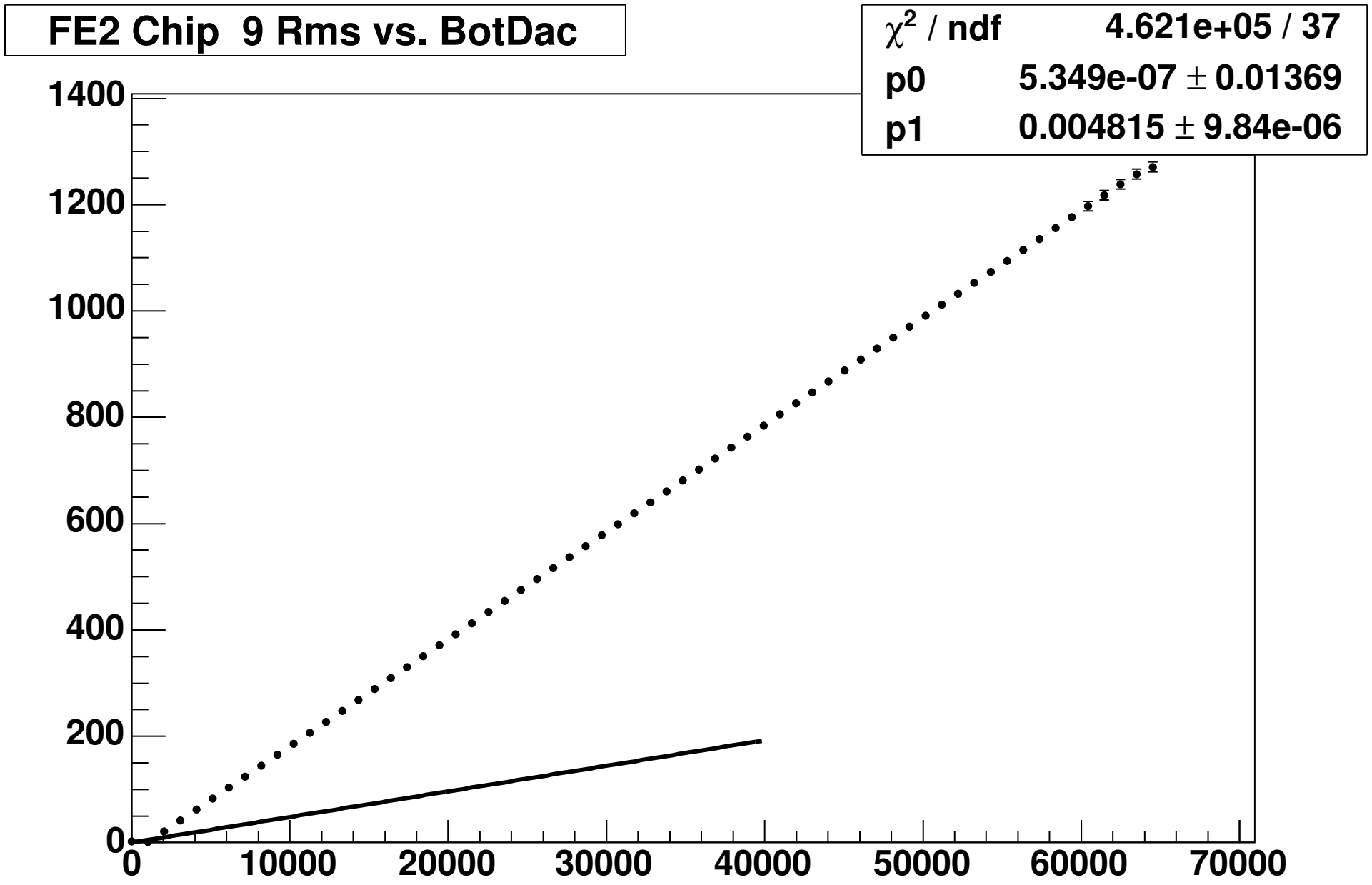
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 4.621e+05 / 37
p0 5.349e-07 ± 0.01369
p1 0.004815 ± 9.84e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
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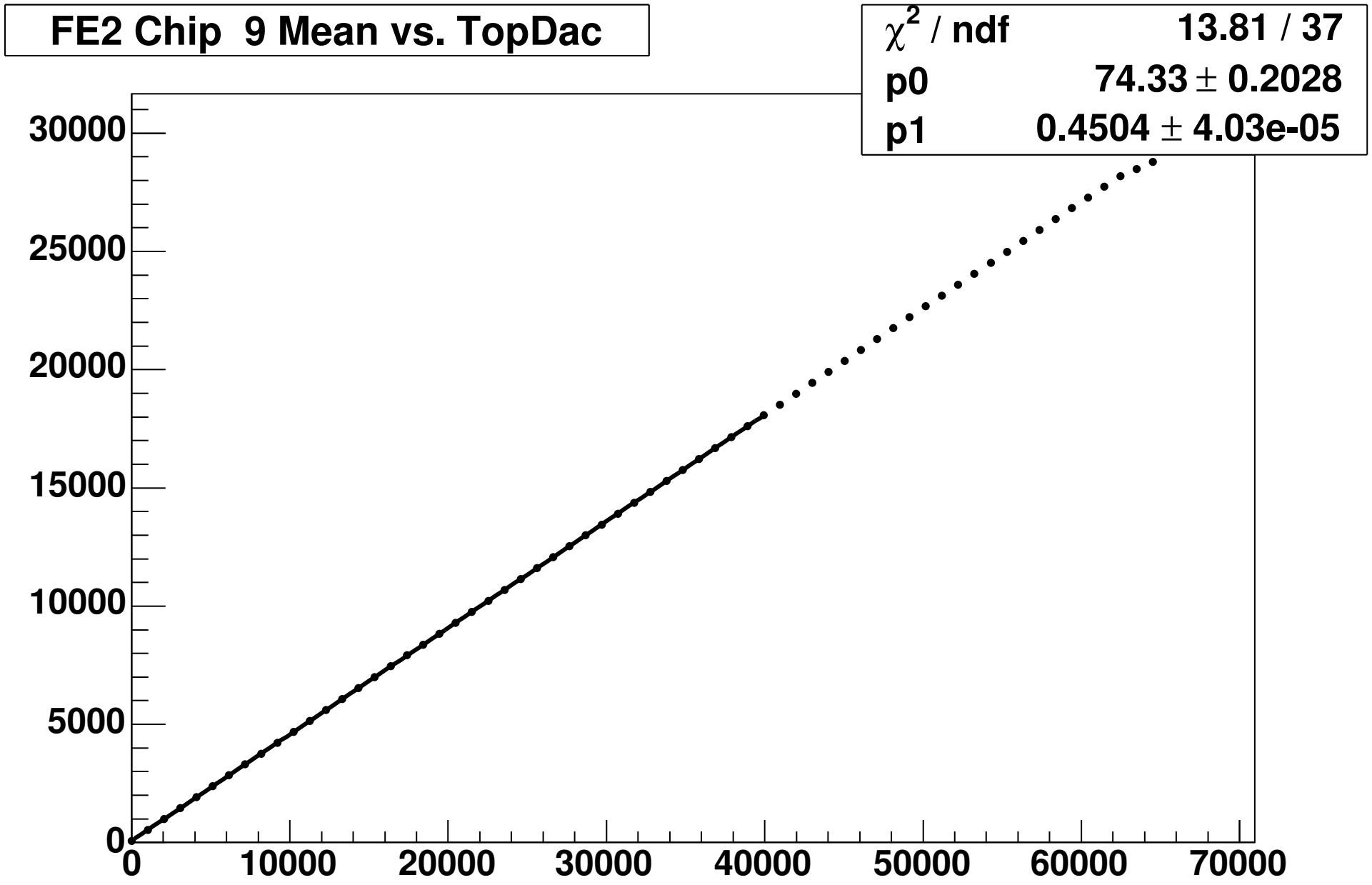
60000
70000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 13.81 / 37
p0 74.33 ± 0.2028
p1 0.4504 ± 4.03e-05
30000
25000
20000
15000
10000
5000
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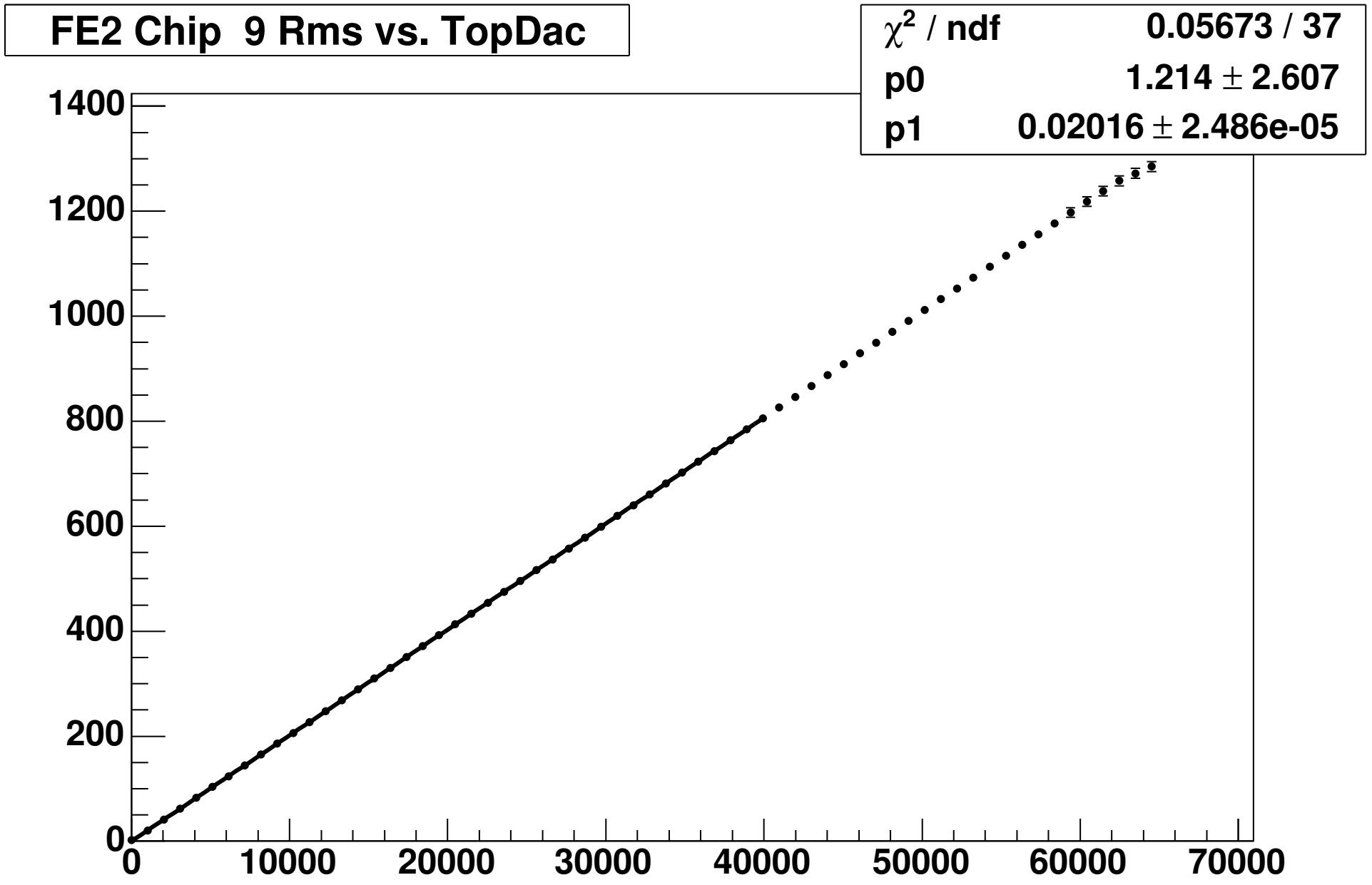
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 0.05673 / 37
p0 1.214 ± 2.607
p1 0.02016 ± 2.486e-05
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1200
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200
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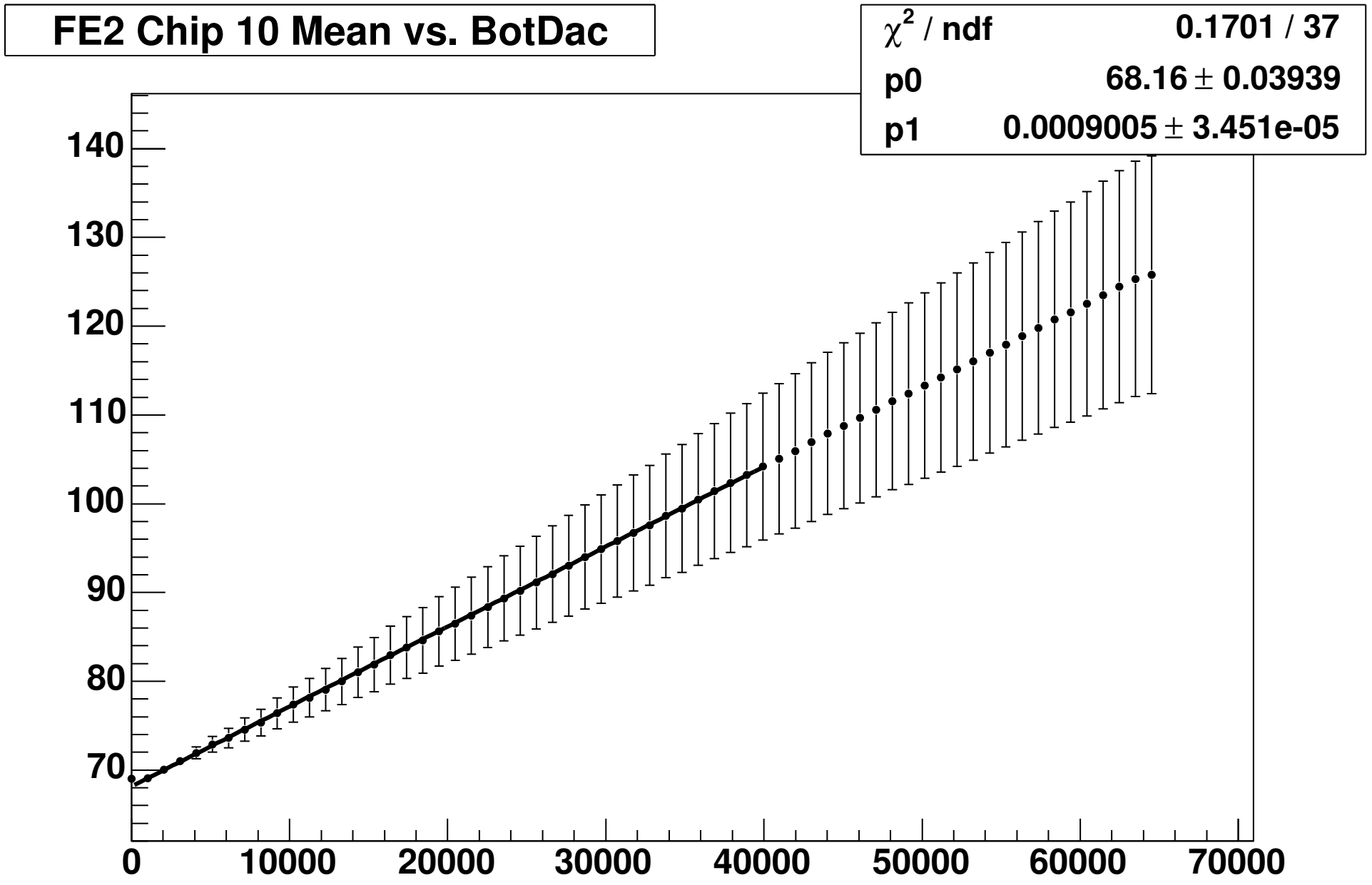
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 0.1701 / 37
p0 68.16 ± 0.03939
p1 0.0009005 ± 3.451e-05
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130
120
110
100
90
80
70
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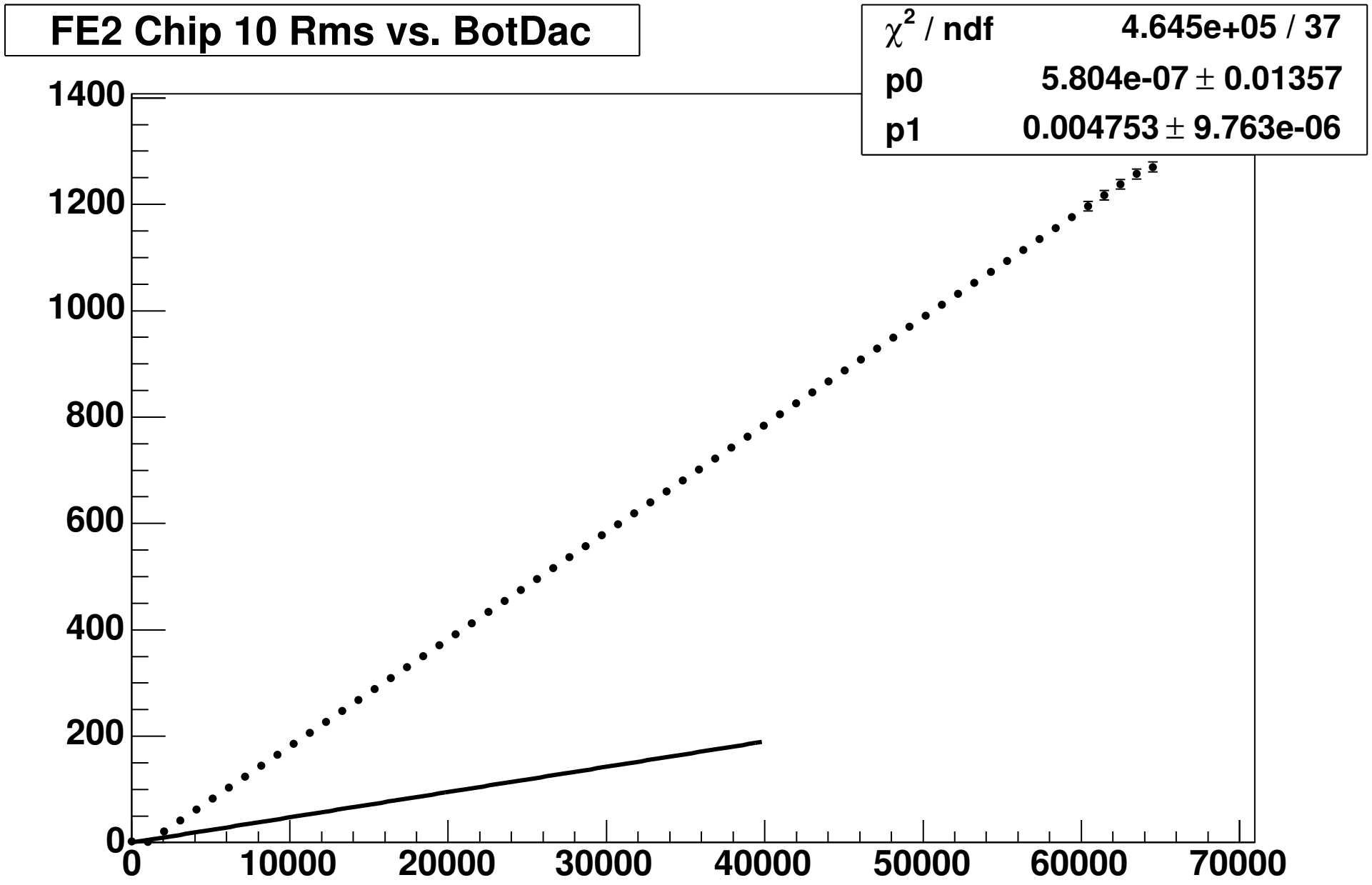
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 4.645e+05 / 37
p0 5.804e-07 ± 0.01357
p1 0.004753 ± 9.763e-06
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1000
800
600
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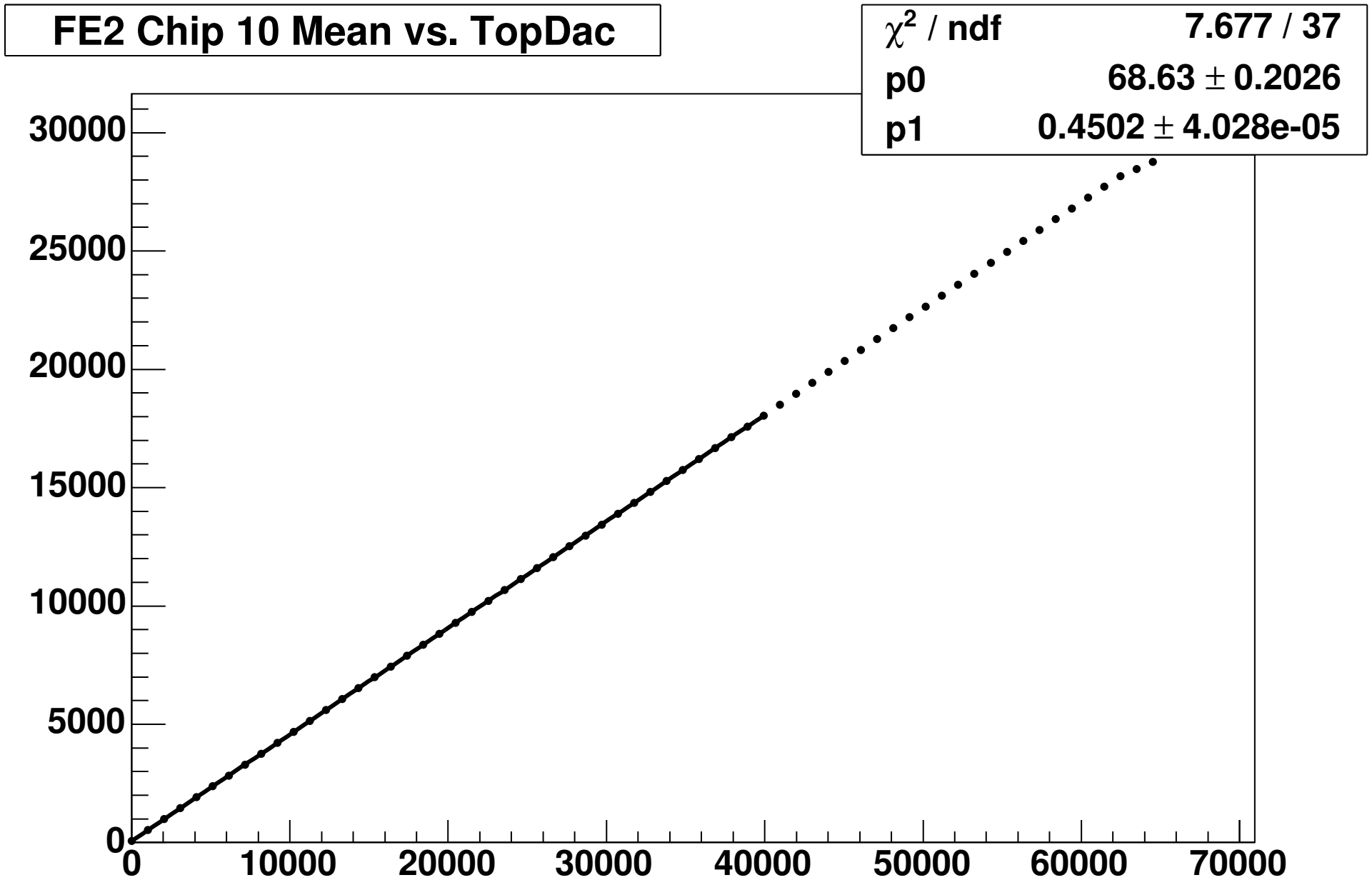
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 7.677 / 37
p0 68.63 ± 0.2026
p1 0.4502 ± 4.028e-05
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20000
15000
10000
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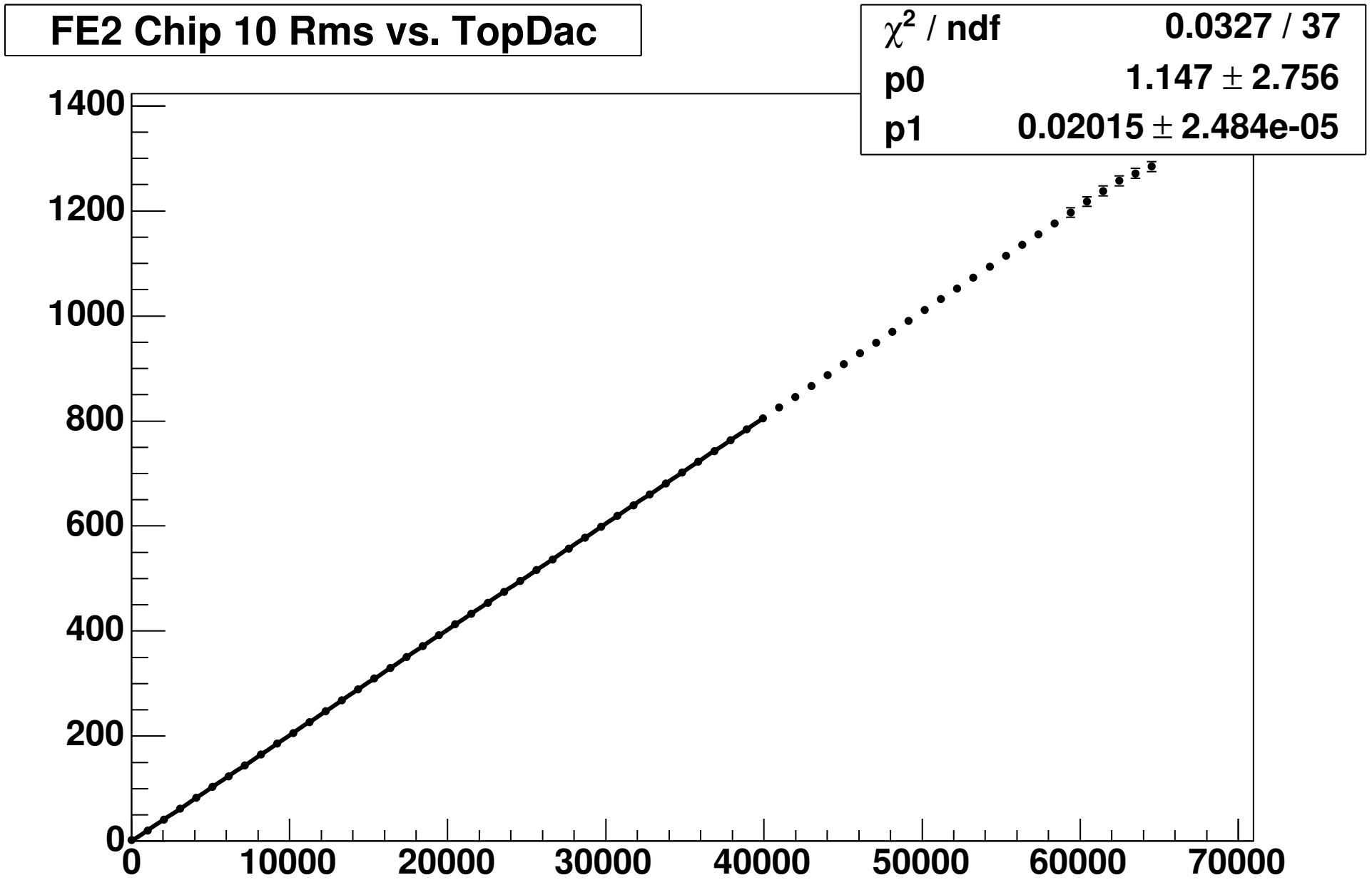
FE2 Chip 10 Rms vs. TopDac
χ² / ndf 0.0327 / 37
p0 1.147 ± 2.756
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
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20000
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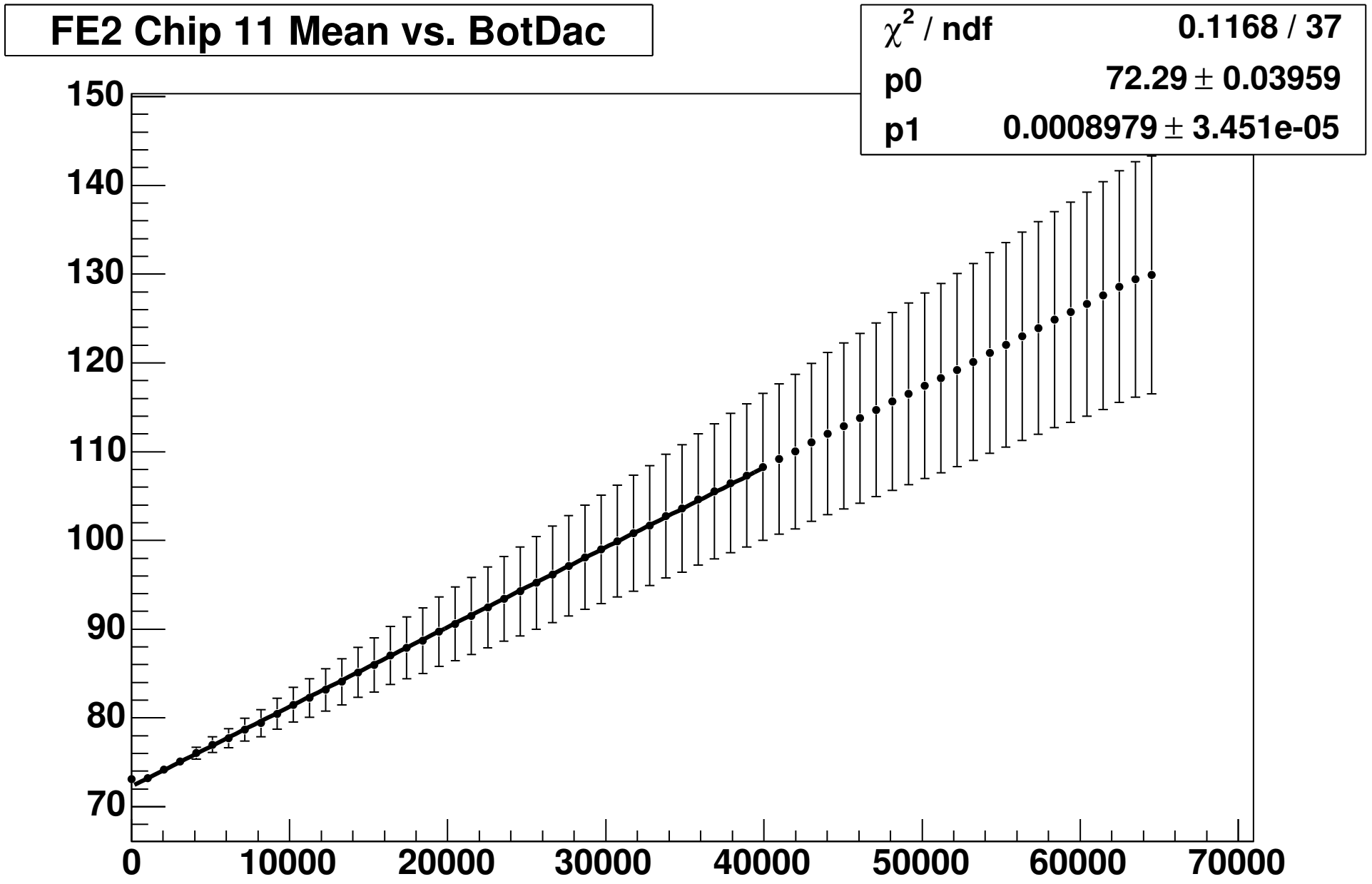
FE2 Chip 11 Mean vs. BotDac
χ² / ndf 0.1168 / 37
p0 72.29 ± 0.03959
p1 0.0008979 ± 3.451e-05
150
140
130
120
110
100
90
80
70
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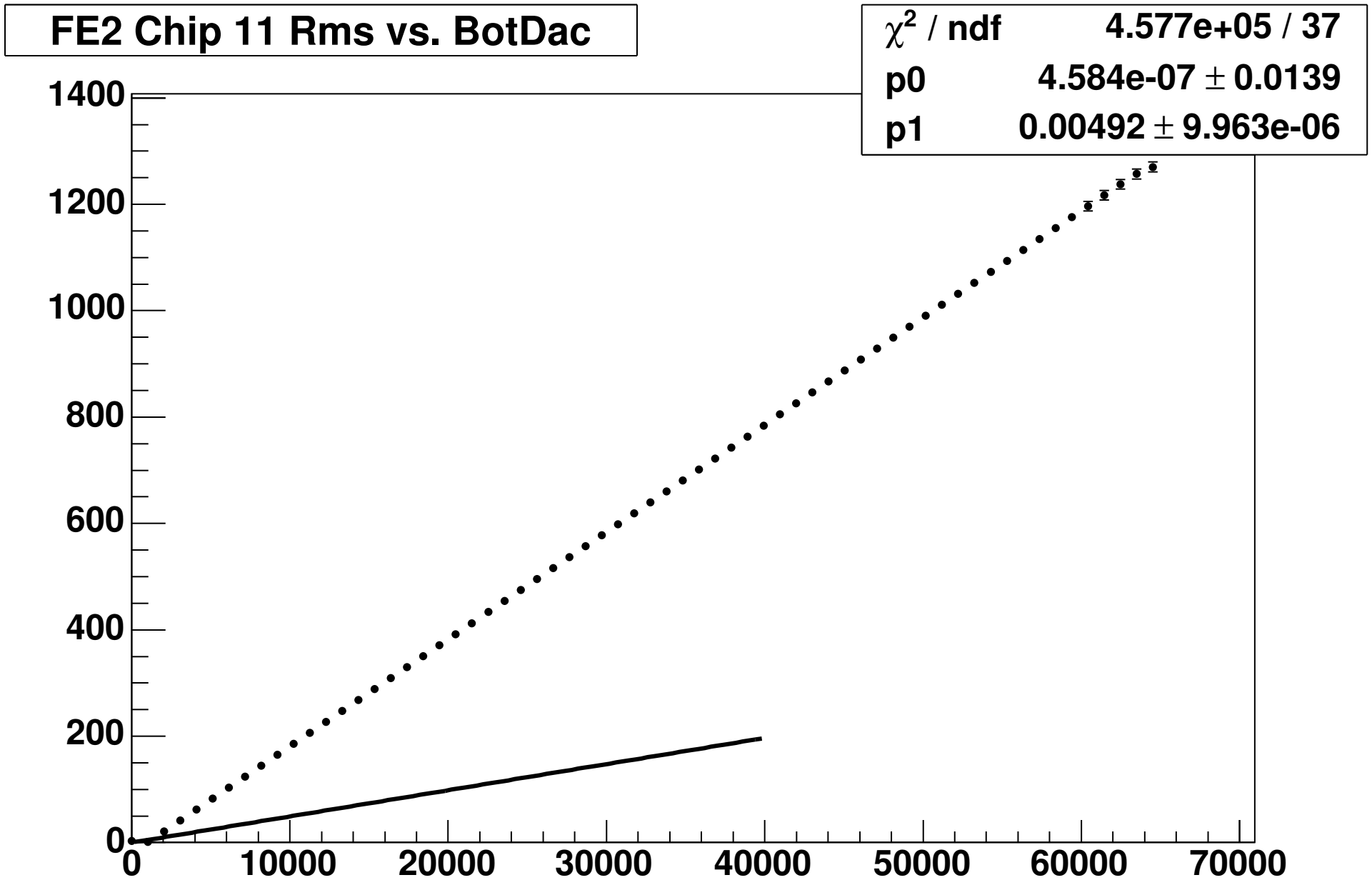
FE2 Chip 11 Rms vs. BotDac
χ² / ndf 4.577e+05 / 37
p0 4.584e-07 ± 0.0139
p1 0.00492 ± 9.963e-06
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1000
800
600
400
200
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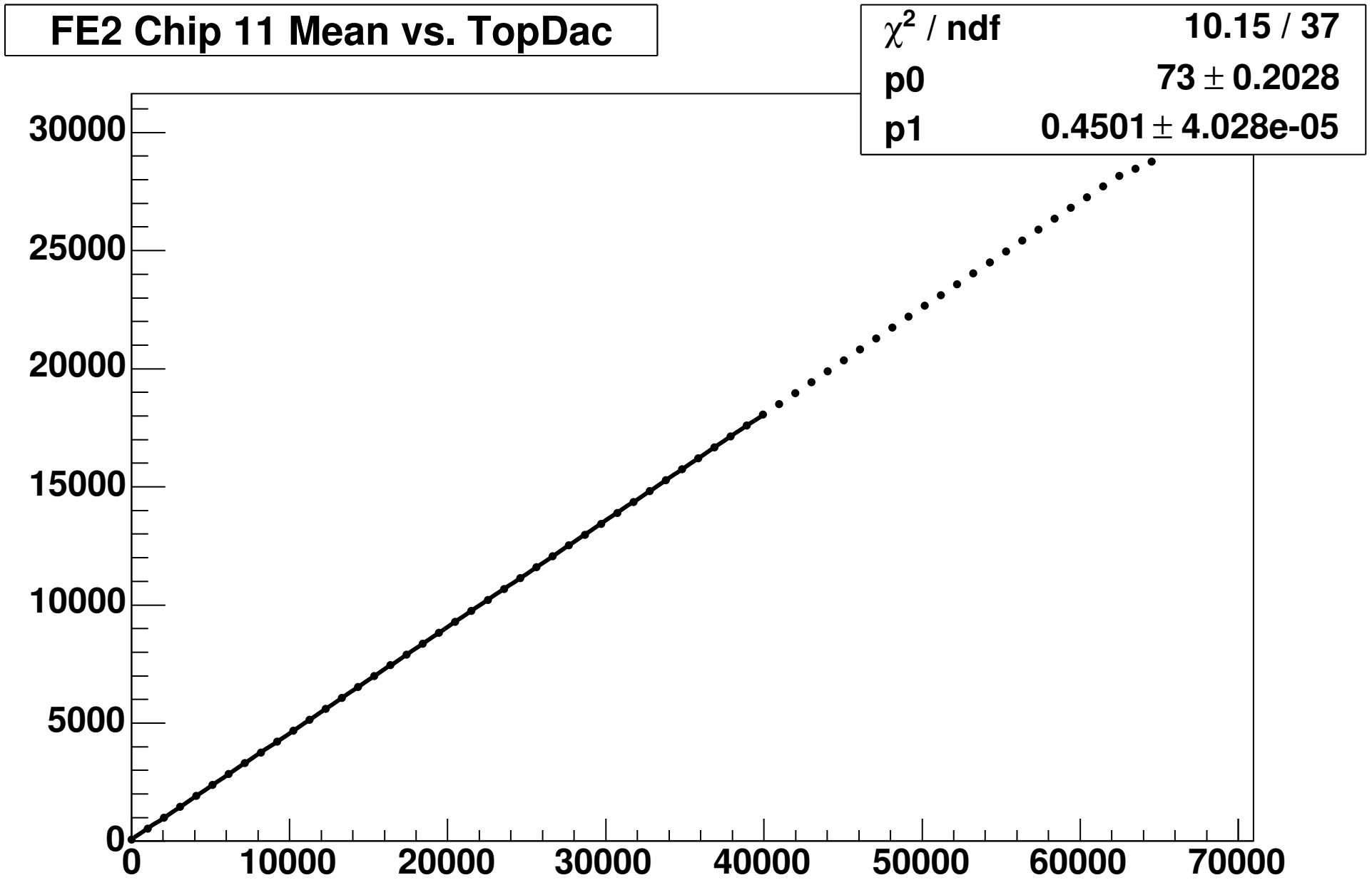
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 10.15 / 37
p0 73 ± 0.2028
p1 0.4501 ± 4.028e-05
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15000
10000
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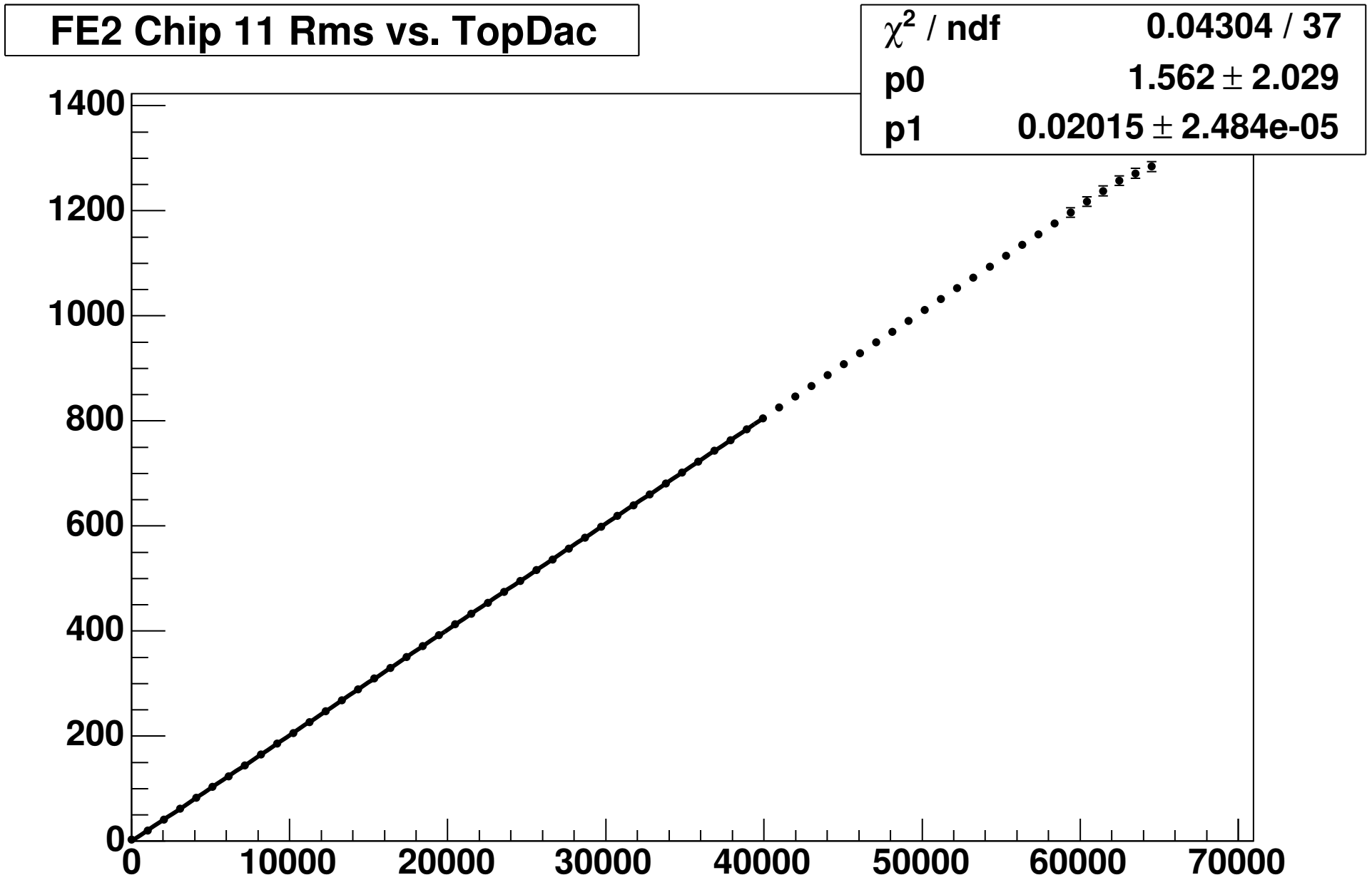
FE2 Chip 11 Rms vs. TopDac
χ² / ndf 0.04304 / 37
p0 1.562 ± 2.029
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
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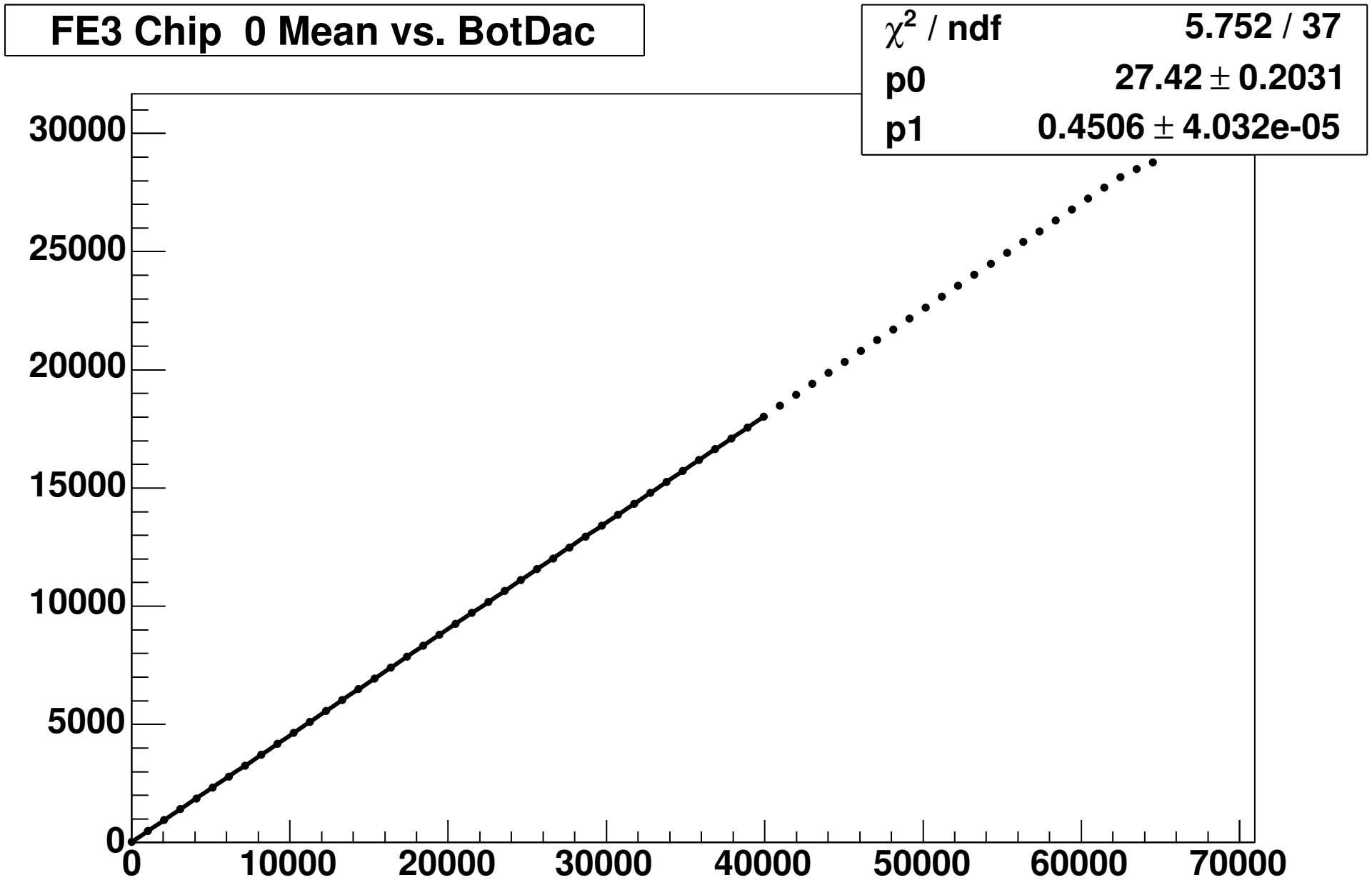
FE3 Chip 0 Mean vs. BotDac
χ^2 / ndf 5.752 / 37
p0 27.42 ± 0.2031
p1 0.4506 ± 4.032e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
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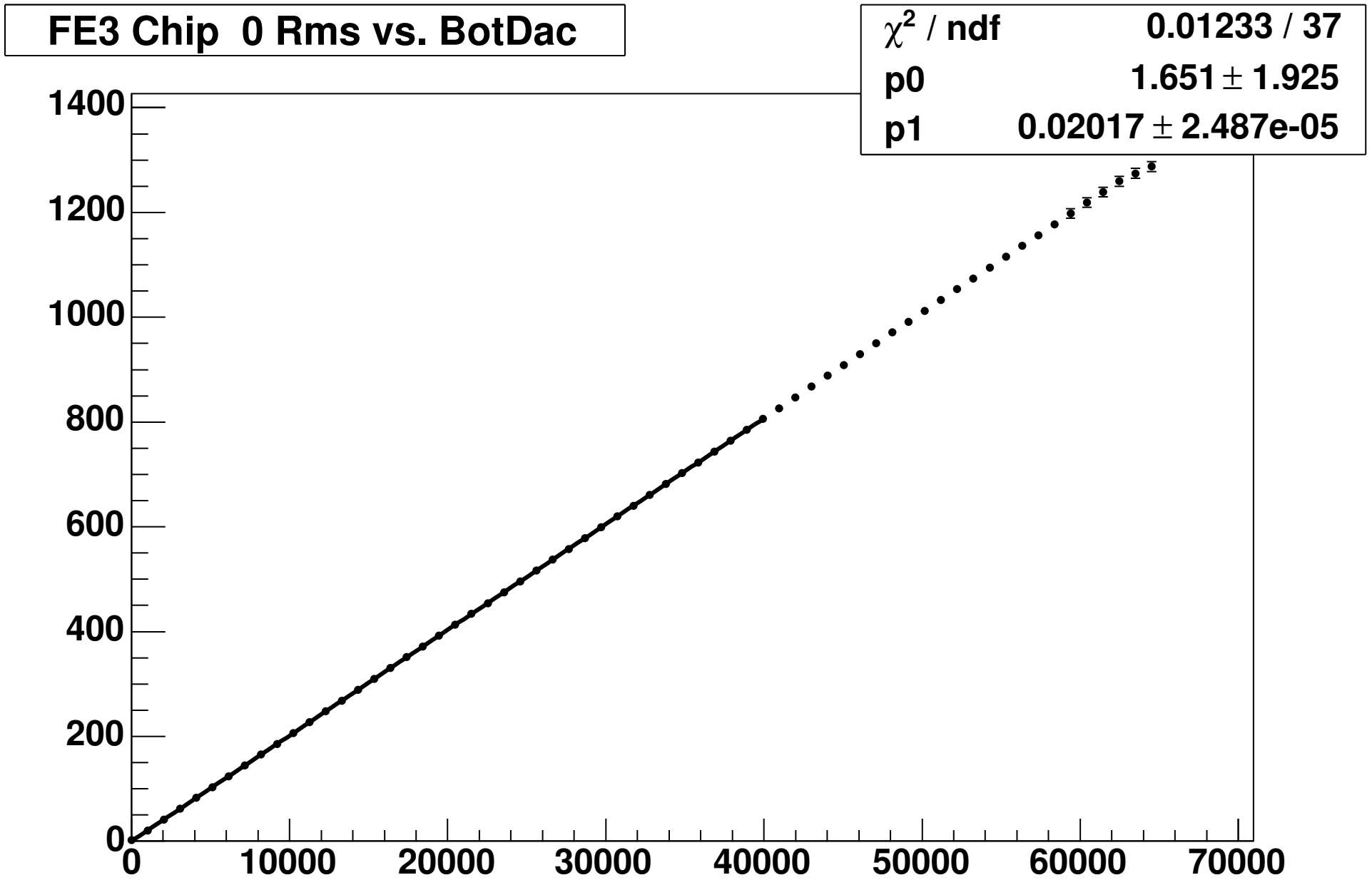
FE3 Chip 0 Rms vs. BotDac
χ² / ndf 0.01233 / 37
p0 1.651 ± 1.925
p1 0.02017 ± 2.487e-05
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1200
1000
800
600
400
200
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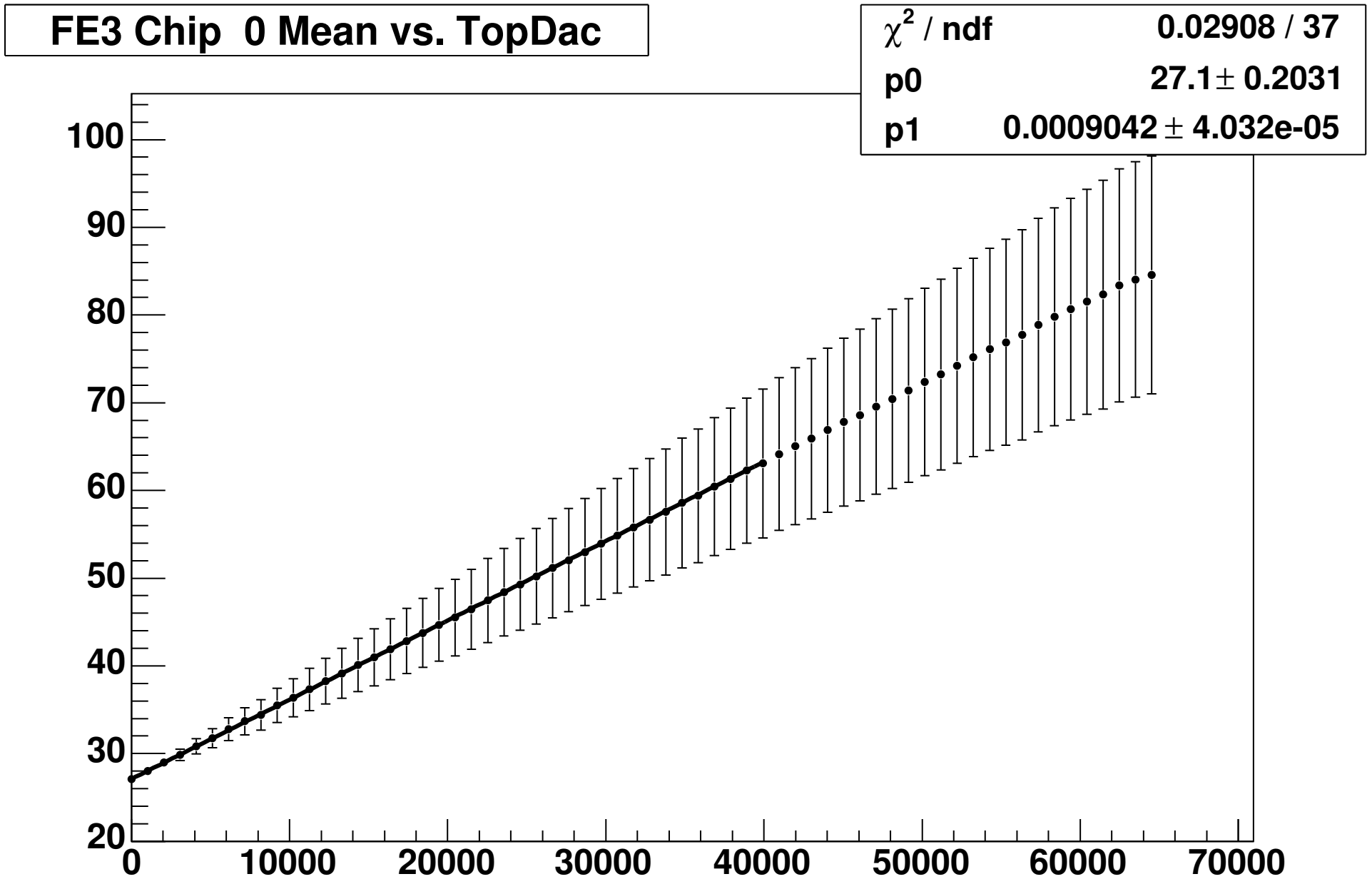
FE3 Chip 0 Mean vs. TopDac
χ² / ndf 0.02908 / 37
p0 27.1 ± 0.2031
p1 0.0009042 ± 4.032e-05
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70
60
50
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30
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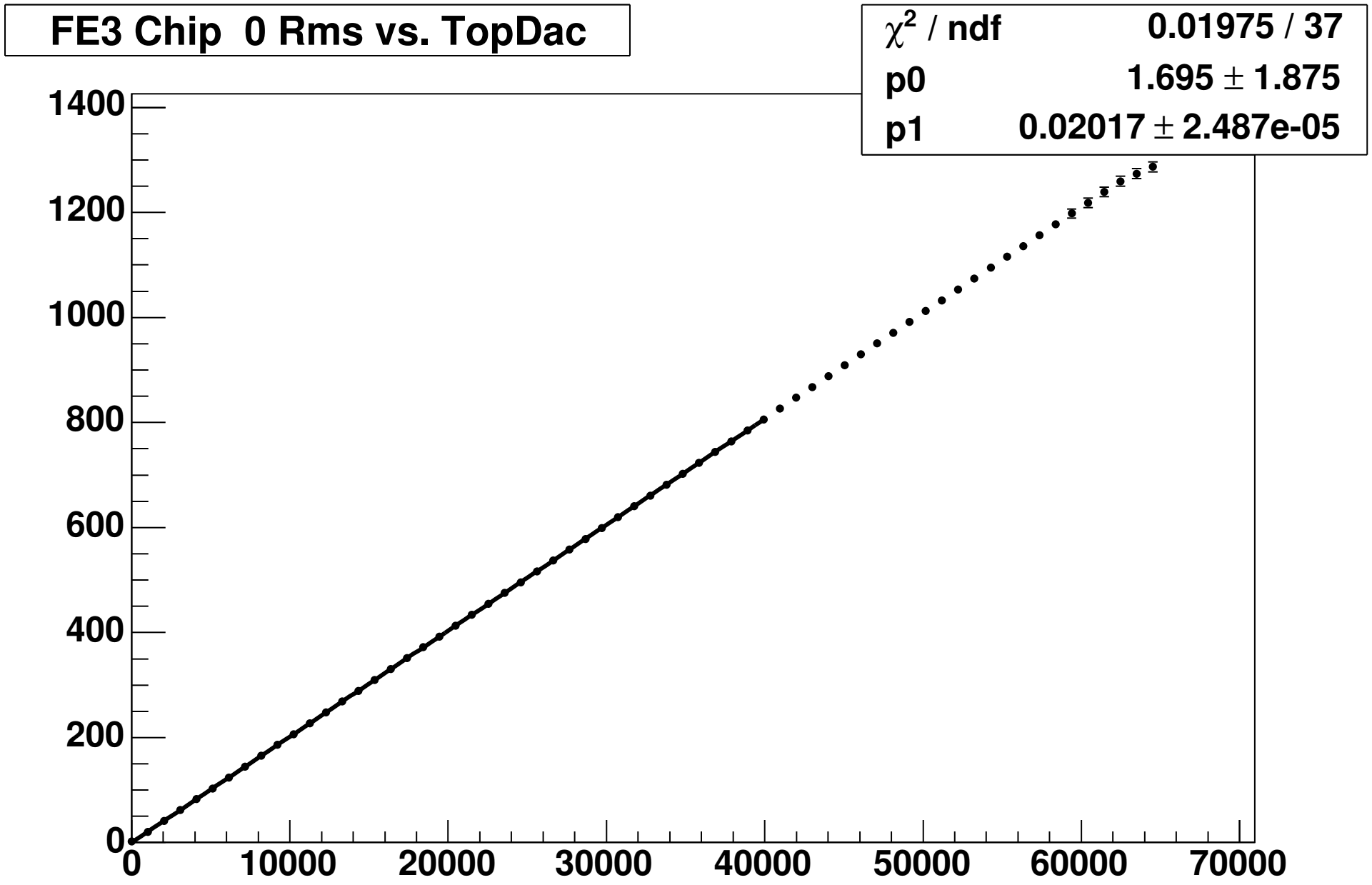
FE3 Chip 0 Rms vs. TopDac
χ² / ndf 0.01975 / 37
p0 1.695 ± 1.875
p1 0.02017 ± 2.487e-05
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1000
800
600
400
200
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0
10000
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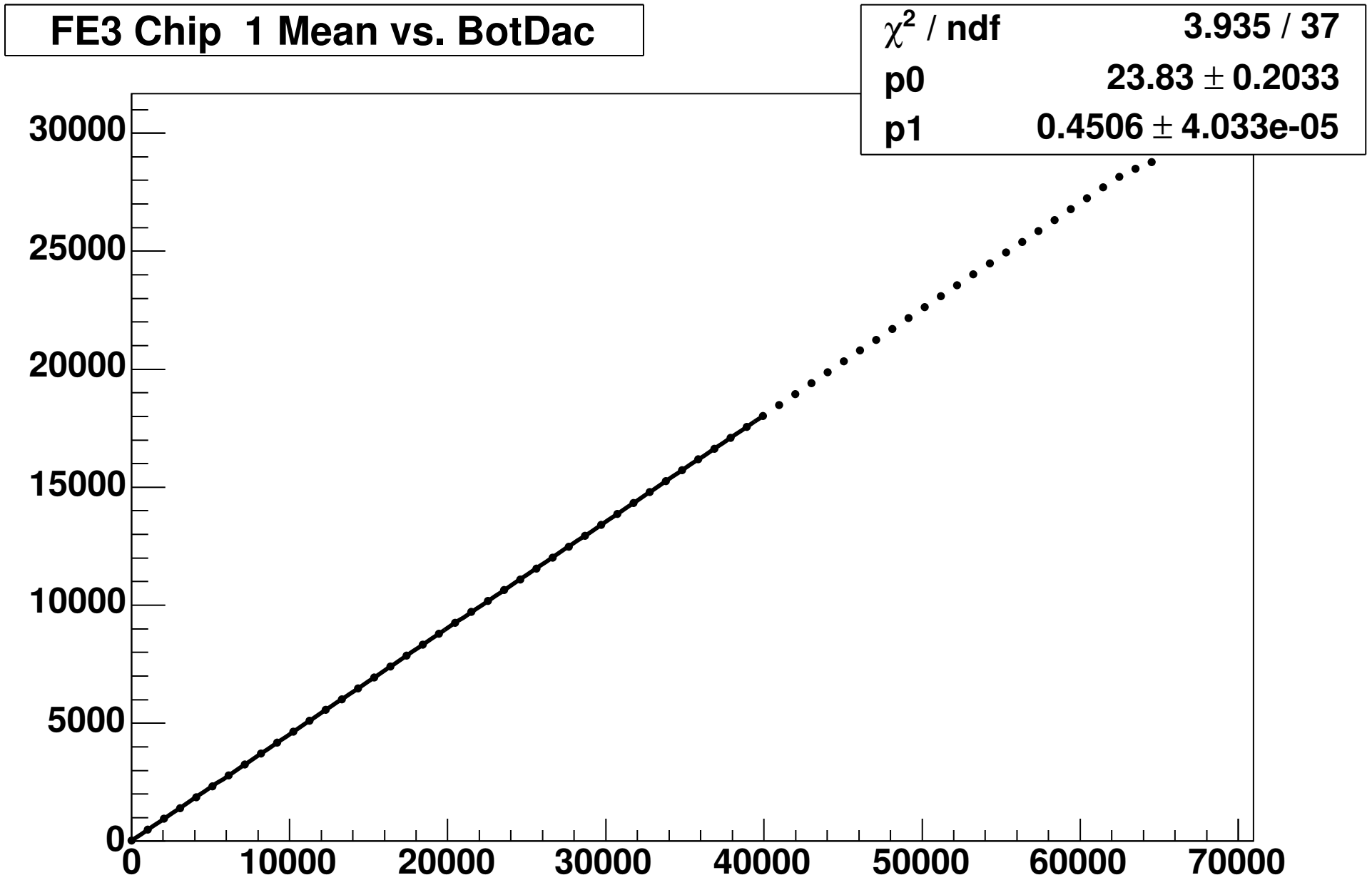
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 3.935 / 37
p0 23.83 ± 0.2033
p1 0.4506 ± 4.033e-05
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20000
15000
10000
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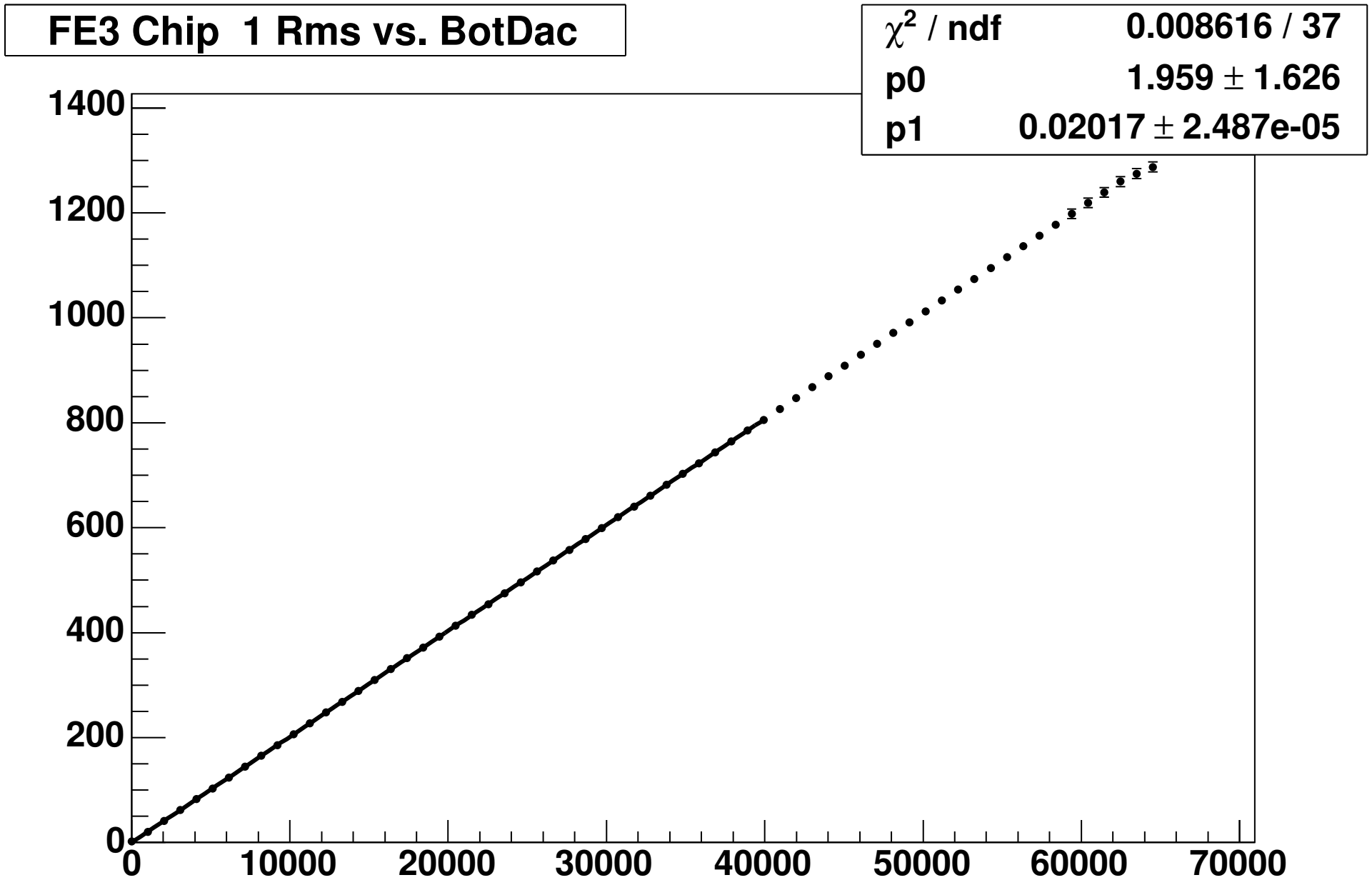
FE3 Chip 1 Rms vs. BotDac
χ² / ndf 0.008616 / 37
p0 1.959 ± 1.626
p1 0.02017 ± 2.487e-05
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1000
800
600
400
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10000
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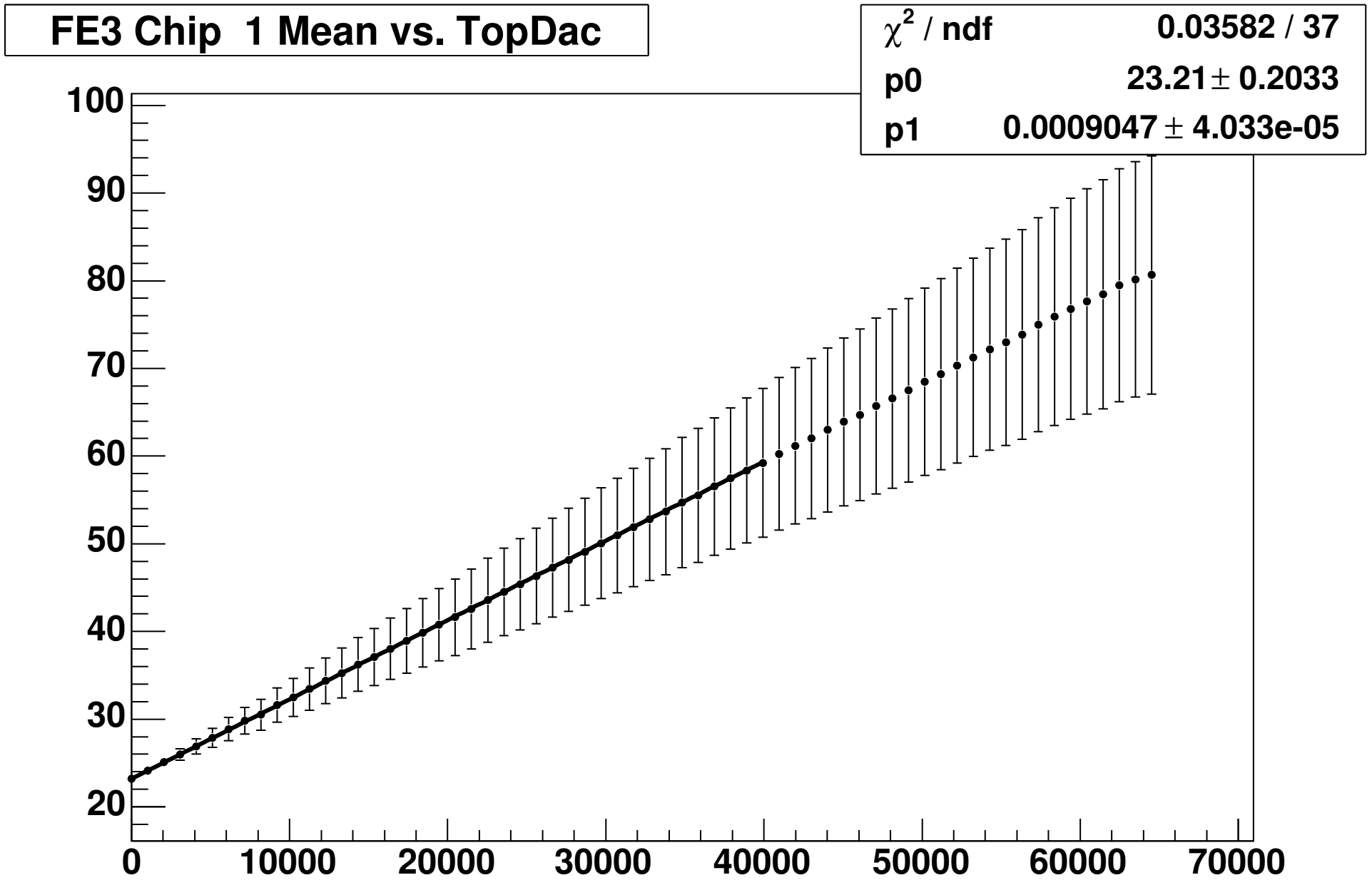
FE3 Chip 1 Mean vs. TopDac
χ² / ndf 0.03582 / 37
p0 23.21 ± 0.2033
p1 0.0009047 ± 4.033e-05
100
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70
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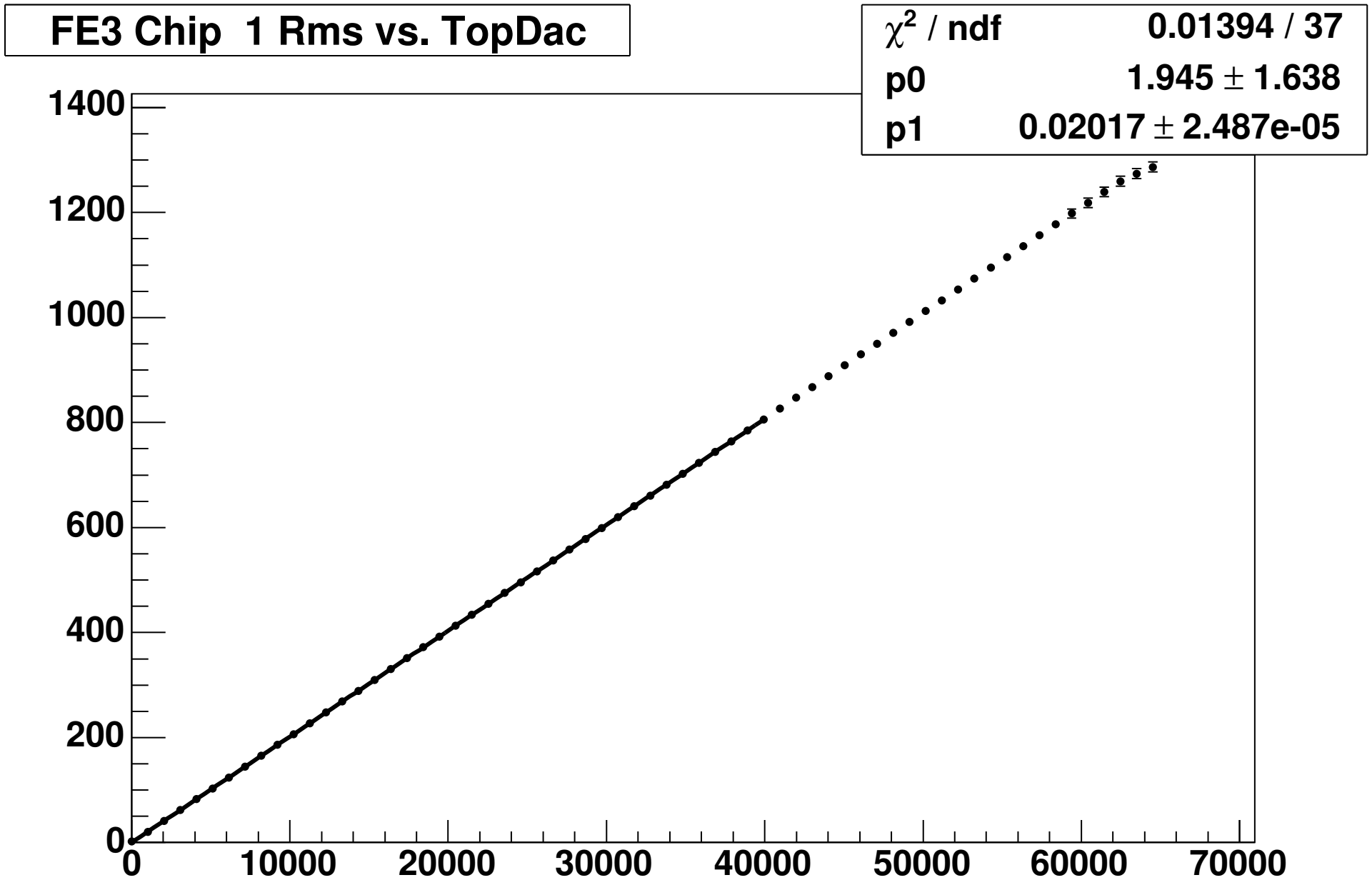
FE3 Chip 1 Rms vs. TopDac
χ² / ndf 0.01394 / 37
p0 1.945 ± 1.638
p1 0.02017 ± 2.487e-05
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1000
800
600
400
200
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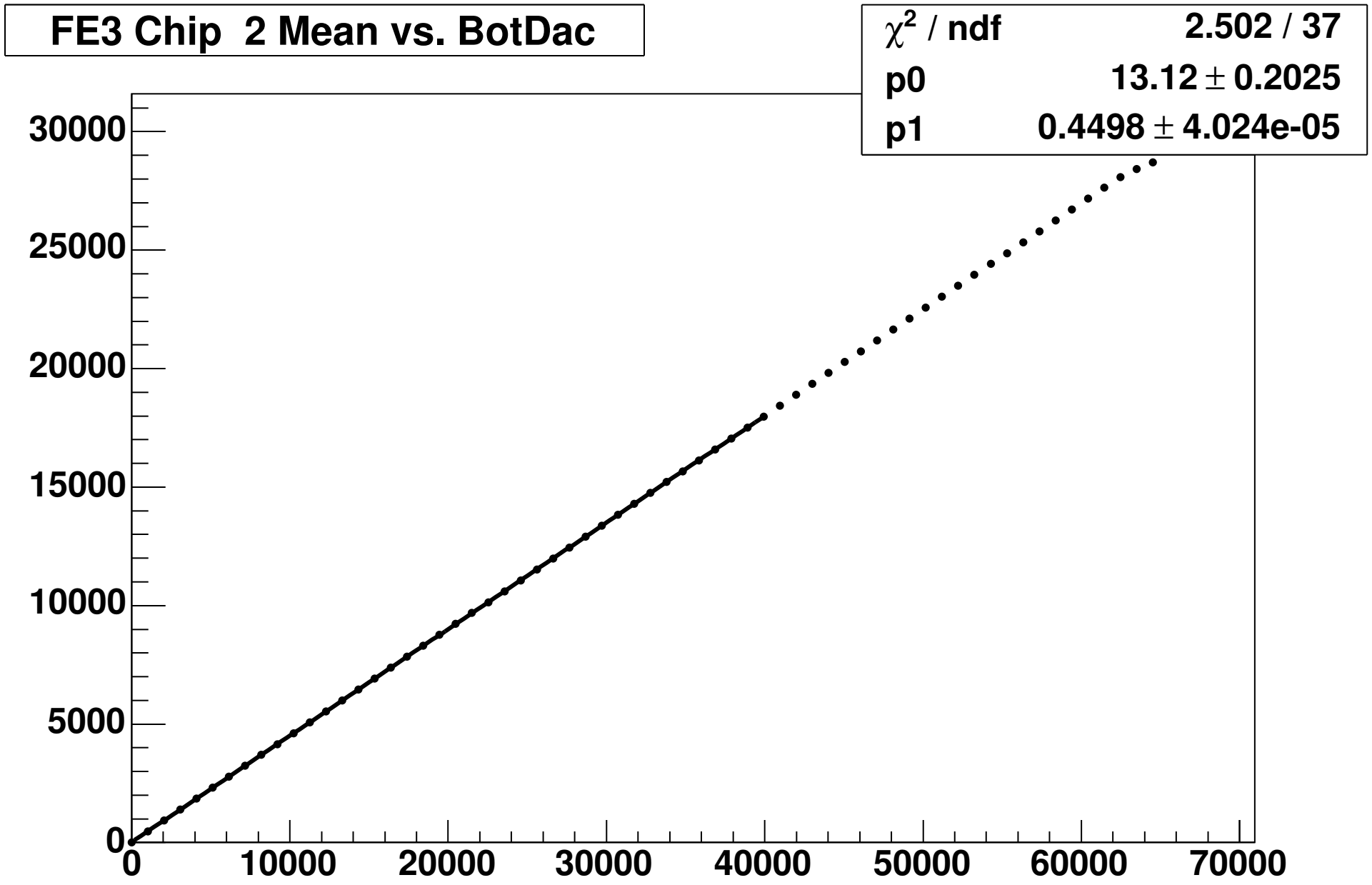
FE3 Chip 2 Mean vs. BotDac
χ^2 / ndf 2.502 / 37
p0 13.12 ± 0.2025
p1 0.4498 ± 4.024e-05
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20000
15000
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0
0
10000
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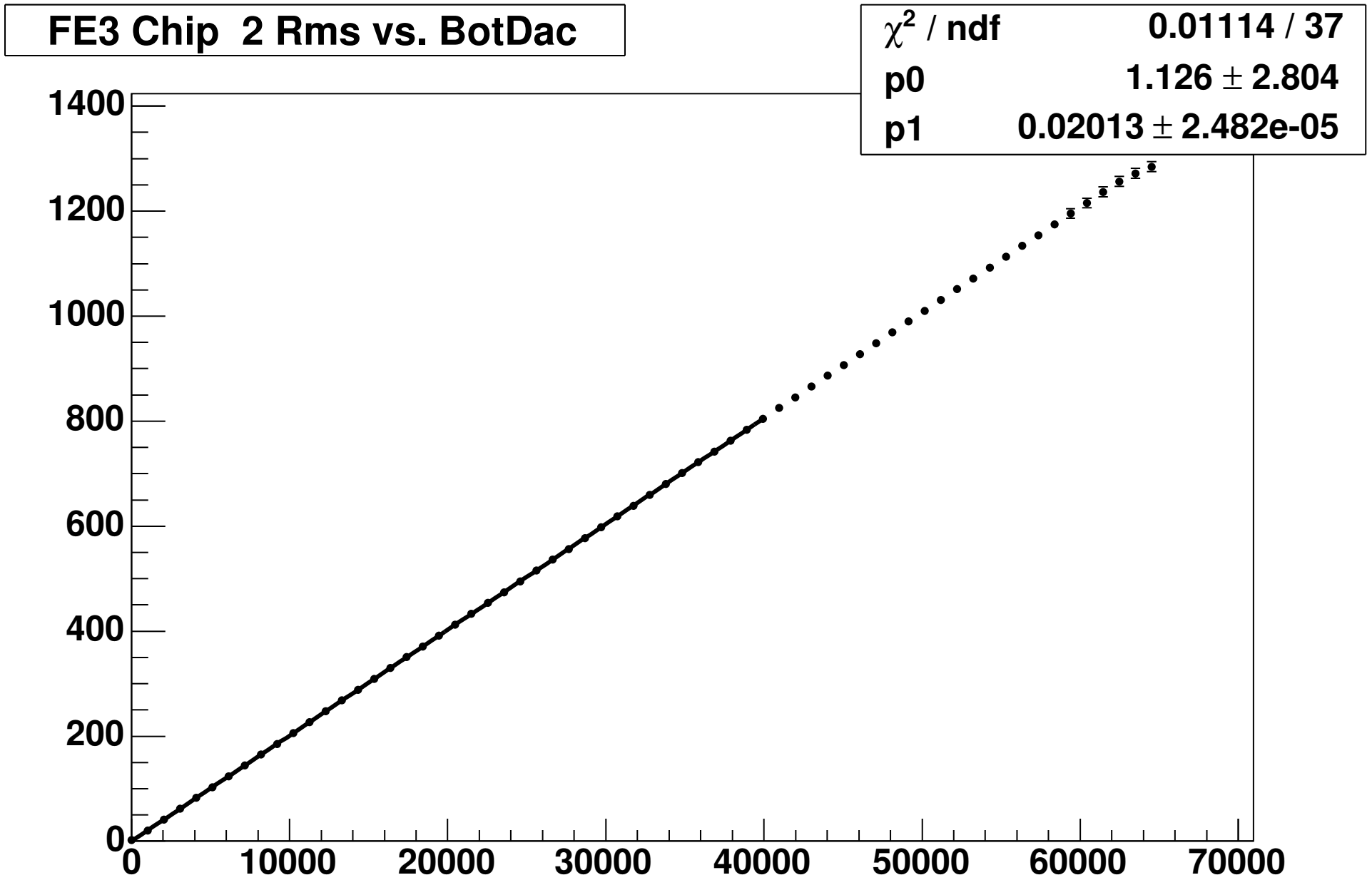
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 0.01114 / 37
p0 1.126 ± 2.804
p1 0.02013 ± 2.482e-05
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1200
1000
800
600
400
200
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0
10000
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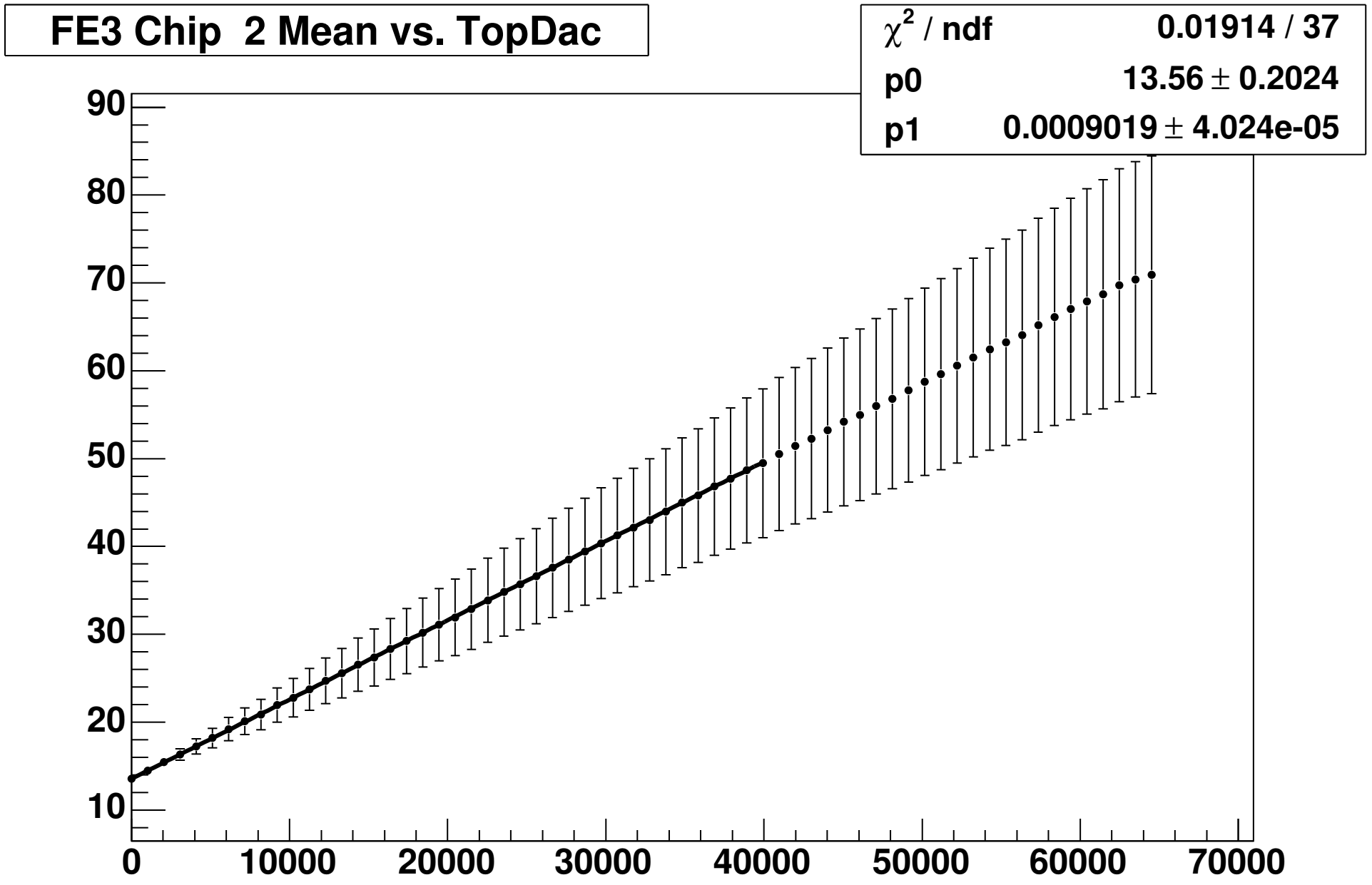
FE3 Chip 2 Mean vs. TopDac
χ² / ndf 0.01914 / 37
p0 13.56 ± 0.2024
p1 0.0009019 ± 4.024e-05
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80
70
60
50
40
30
20
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0
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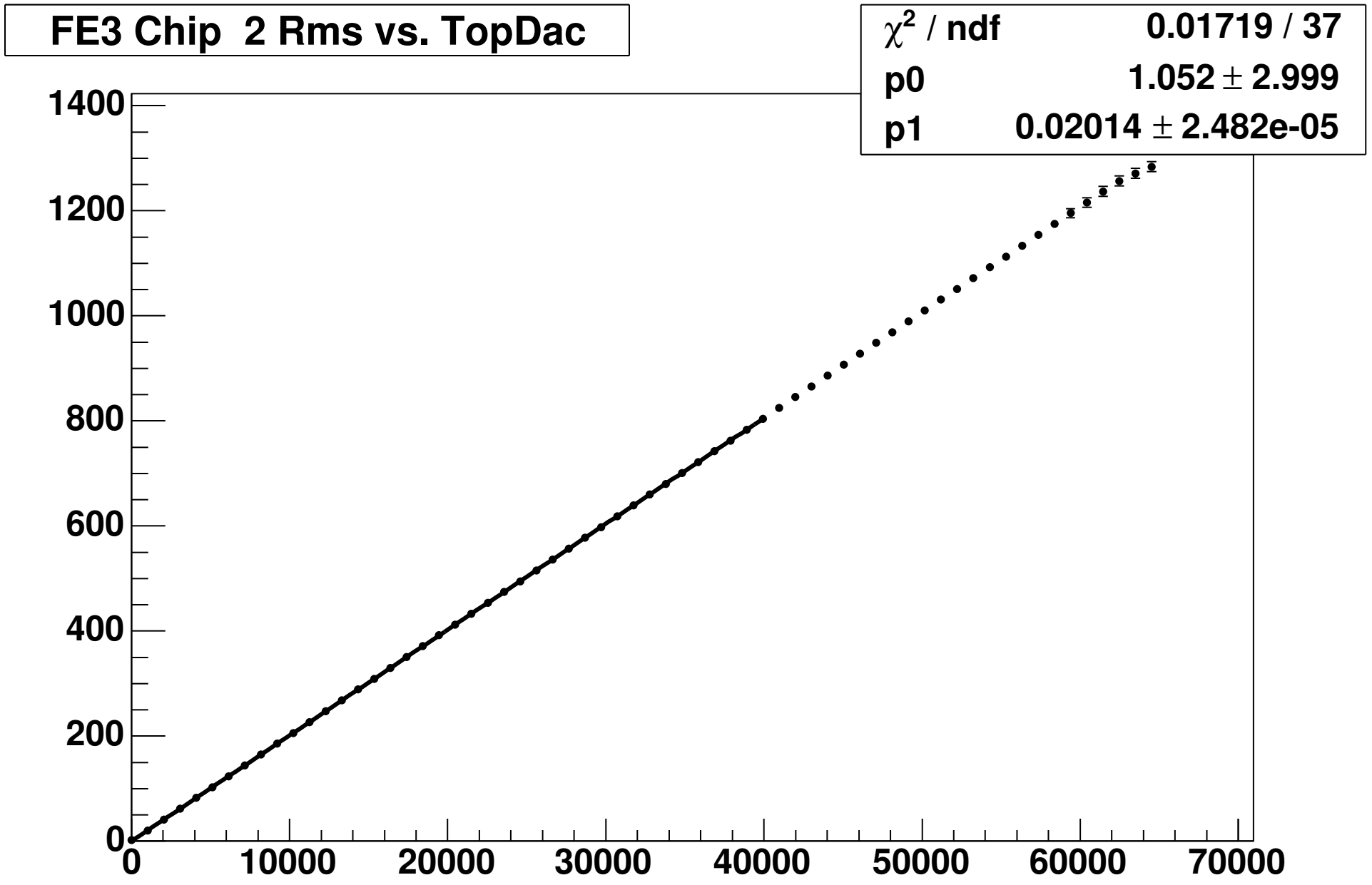
FE3 Chip 2 Rms vs. TopDac
χ² / ndf 0.01719 / 37
p0 1.052 ± 2.999
p1 0.02014 ± 2.482e-05
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1200
1000
800
600
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200
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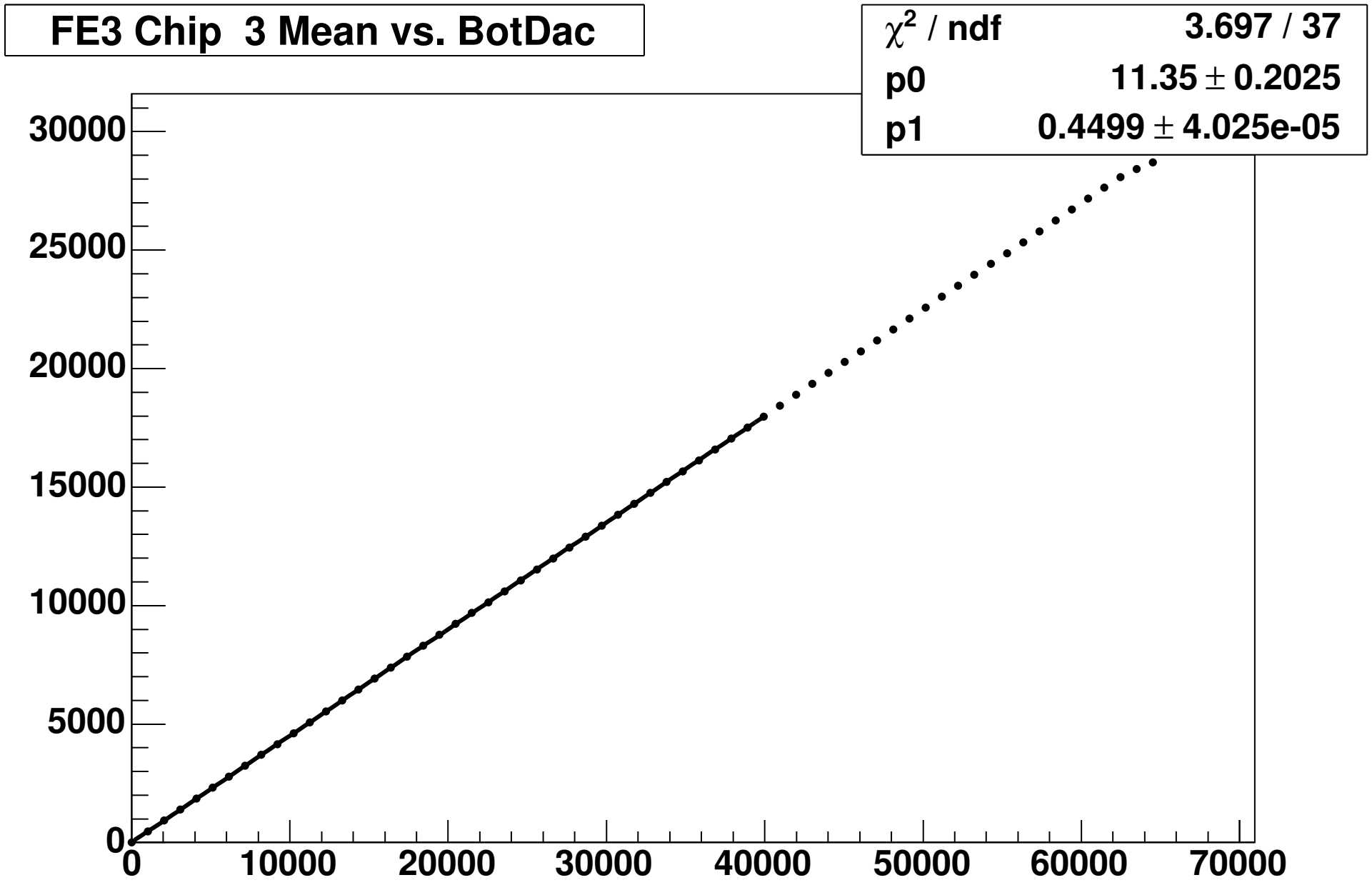
FE3 Chip 3 Mean vs. BotDac
χ² / ndf 3.697 / 37
p0 11.35 ± 0.2025
p1 0.4499 ± 4.025e-05
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20000
15000
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10000
20000
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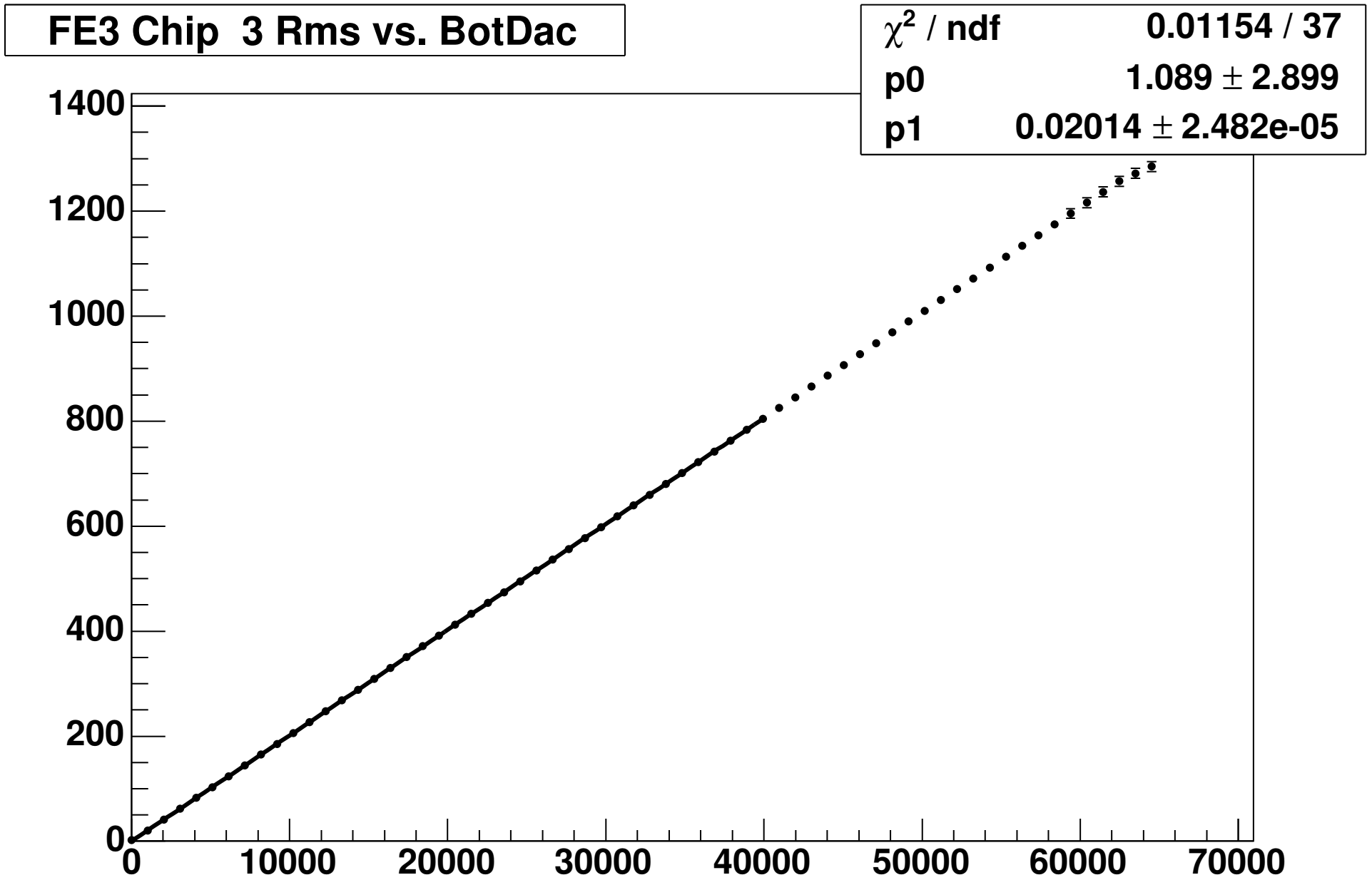
FE3 Chip 3 Rms vs. BotDac
χ² / ndf 0.01154 / 37
p0 1.089 ± 2.899
p1 0.02014 ± 2.482e-05
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1200
1000
800
600
400
200
0
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10000
20000
30000
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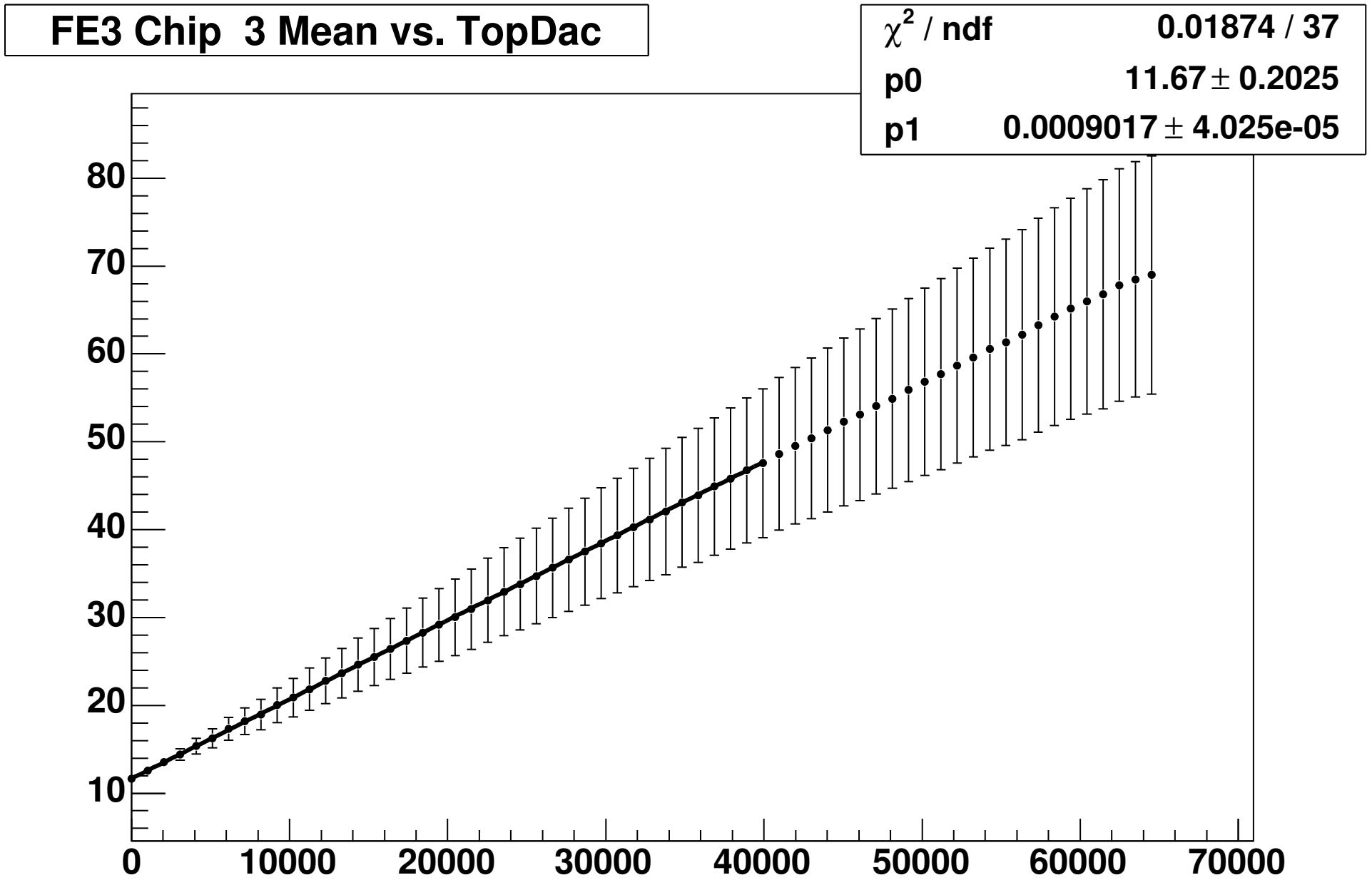
FE3 Chip 3 Mean vs. TopDac
χ² / ndf 0.01874 / 37
p0 11.67 ± 0.2025
p1 0.0009017 ± 4.025e-05
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60
50
40
30
20
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10000
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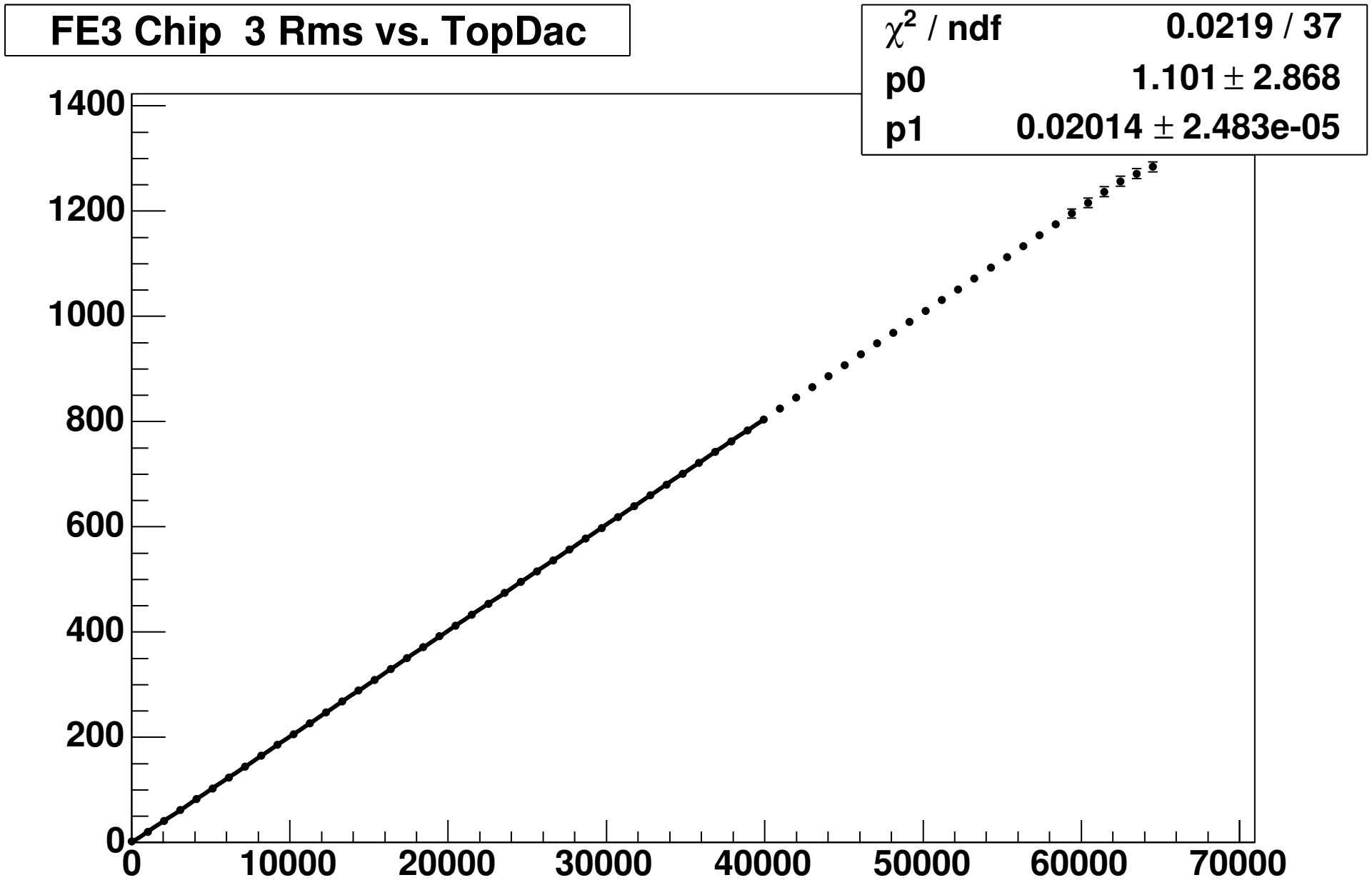
FE3 Chip 3 Rms vs. TopDac
χ² / ndf 0.0219 / 37
p0 1.101 ± 2.868
p1 0.02014 ± 2.483e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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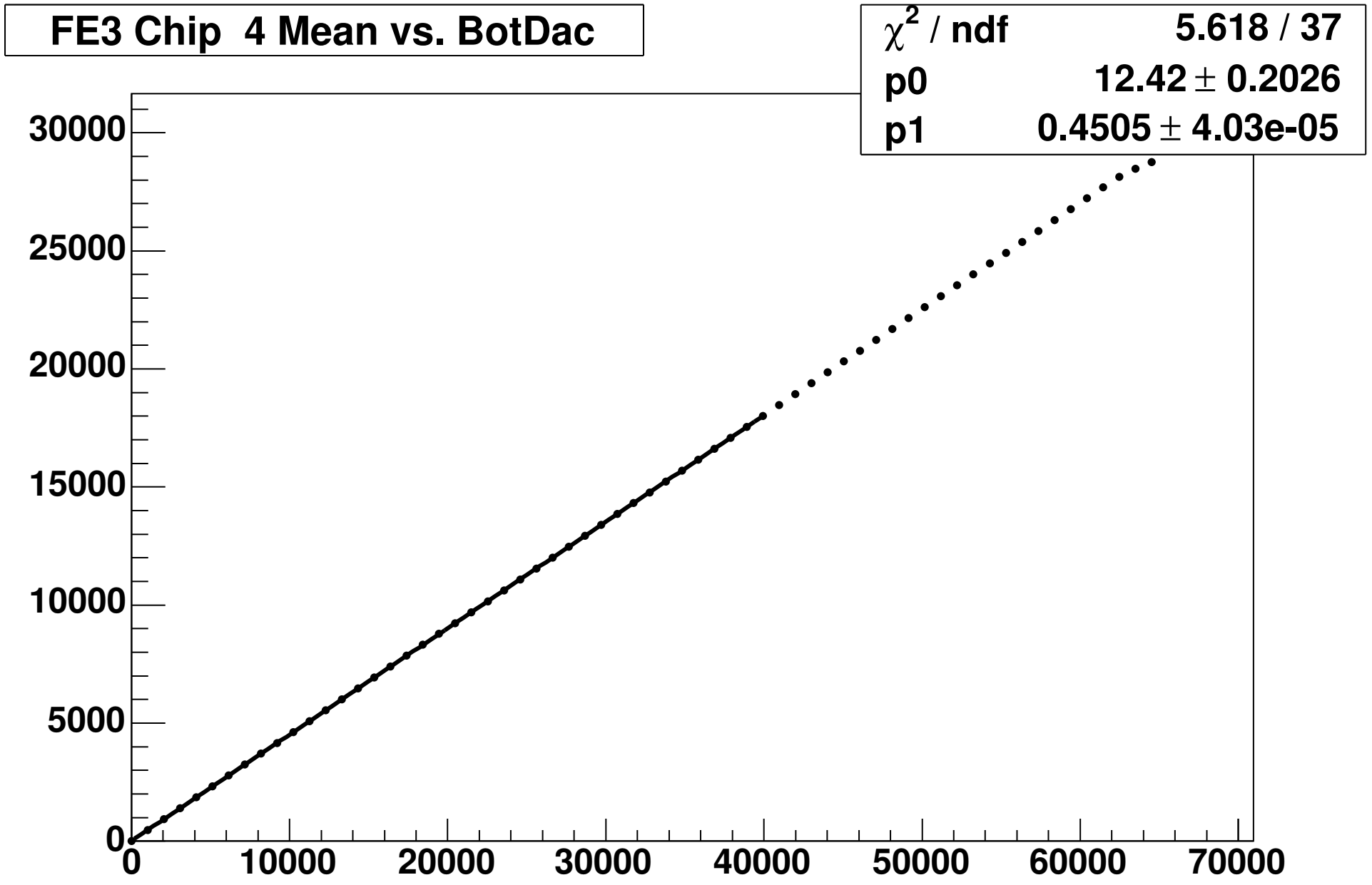
FE3 Chip 4 Mean vs. BotDac
χ² / ndf 5.618 / 37
p0 12.42 ± 0.2026
p1 0.4505 ± 4.03e-05
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15000
10000
5000
0
0
10000
20000
30000
40000
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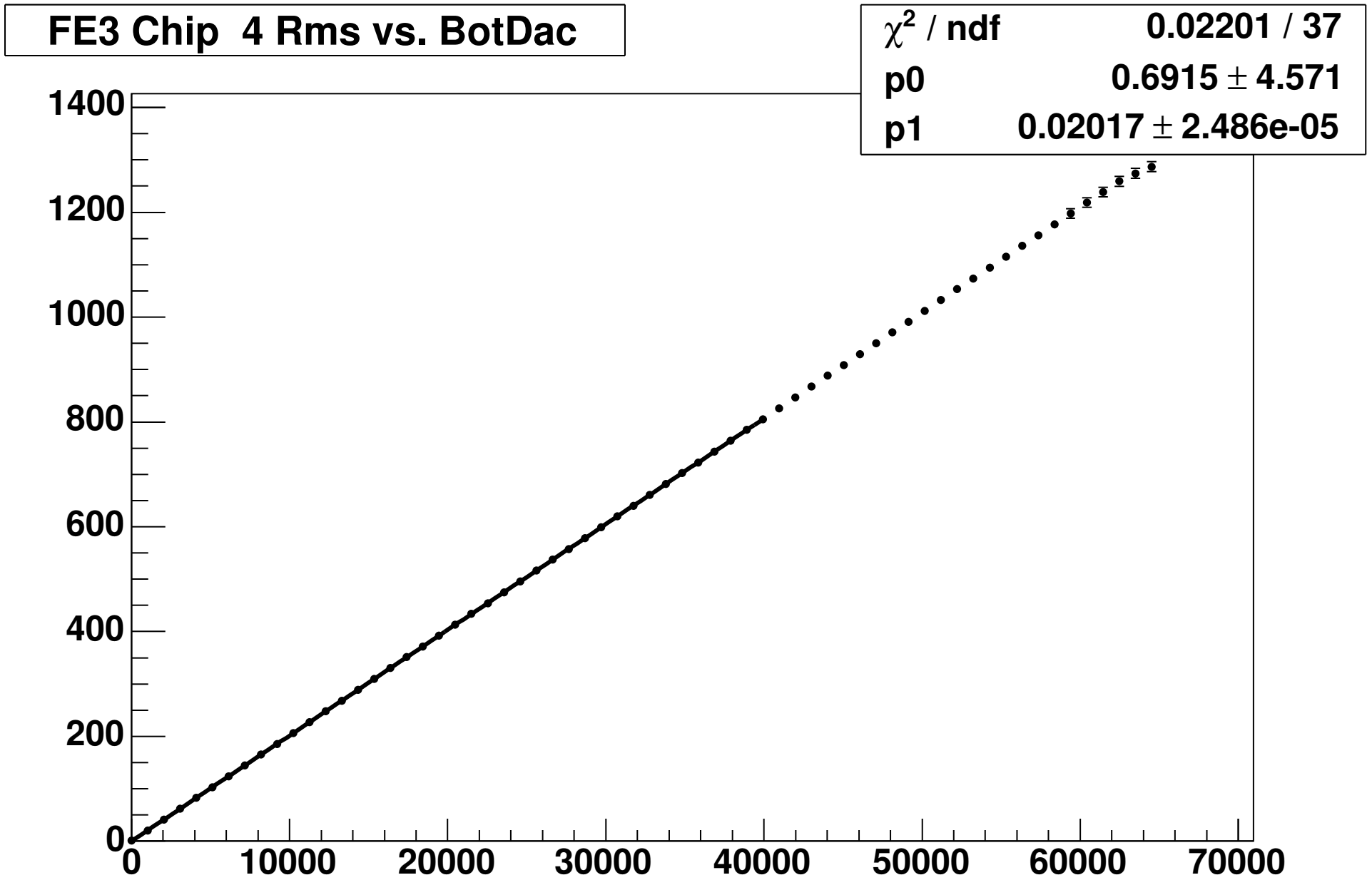
FE3 Chip 4 Rms vs. BotDac
χ² / ndf 0.02201 / 37
p0 0.6915 ± 4.571
p1 0.02017 ± 2.486e-05
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1200
1000
800
600
400
200
0
0
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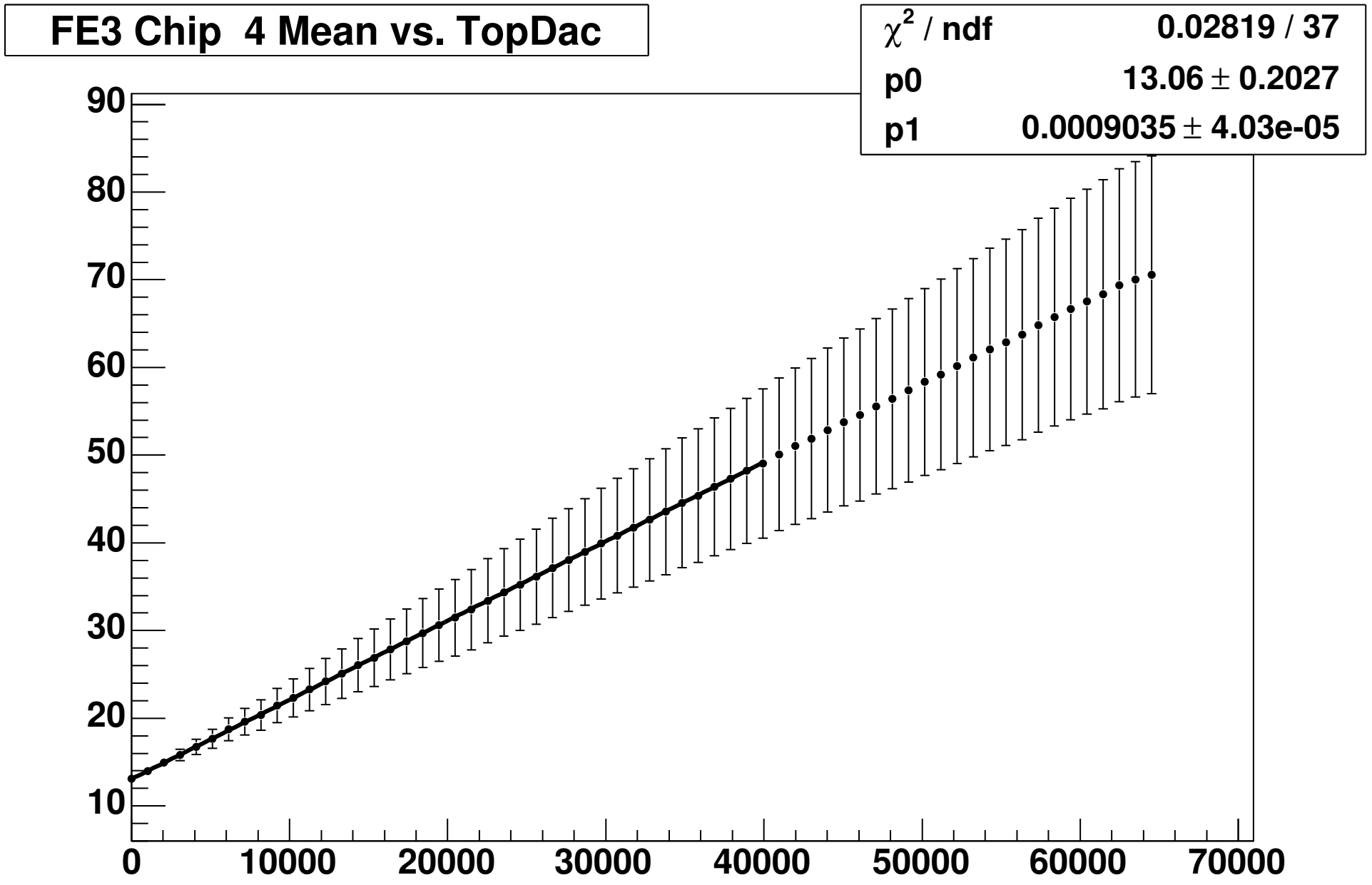
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 0.02819 / 37
p0 13.06 ± 0.2027
p1 0.0009035 ± 4.03e-05
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60
50
40
30
20
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0
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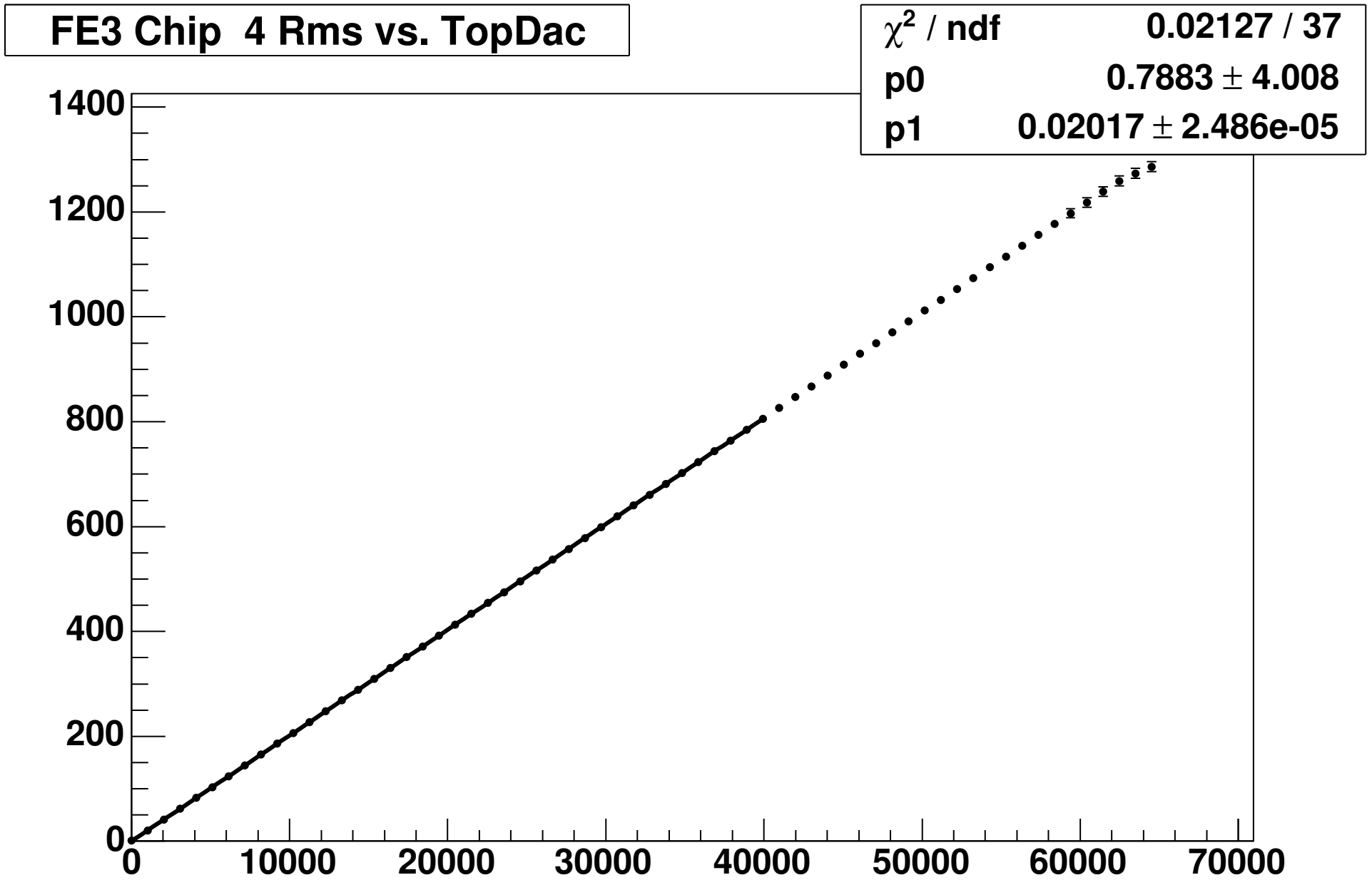
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 0.02127 / 37
p0 0.7883 ± 4.008
p1 0.02017 ± 2.486e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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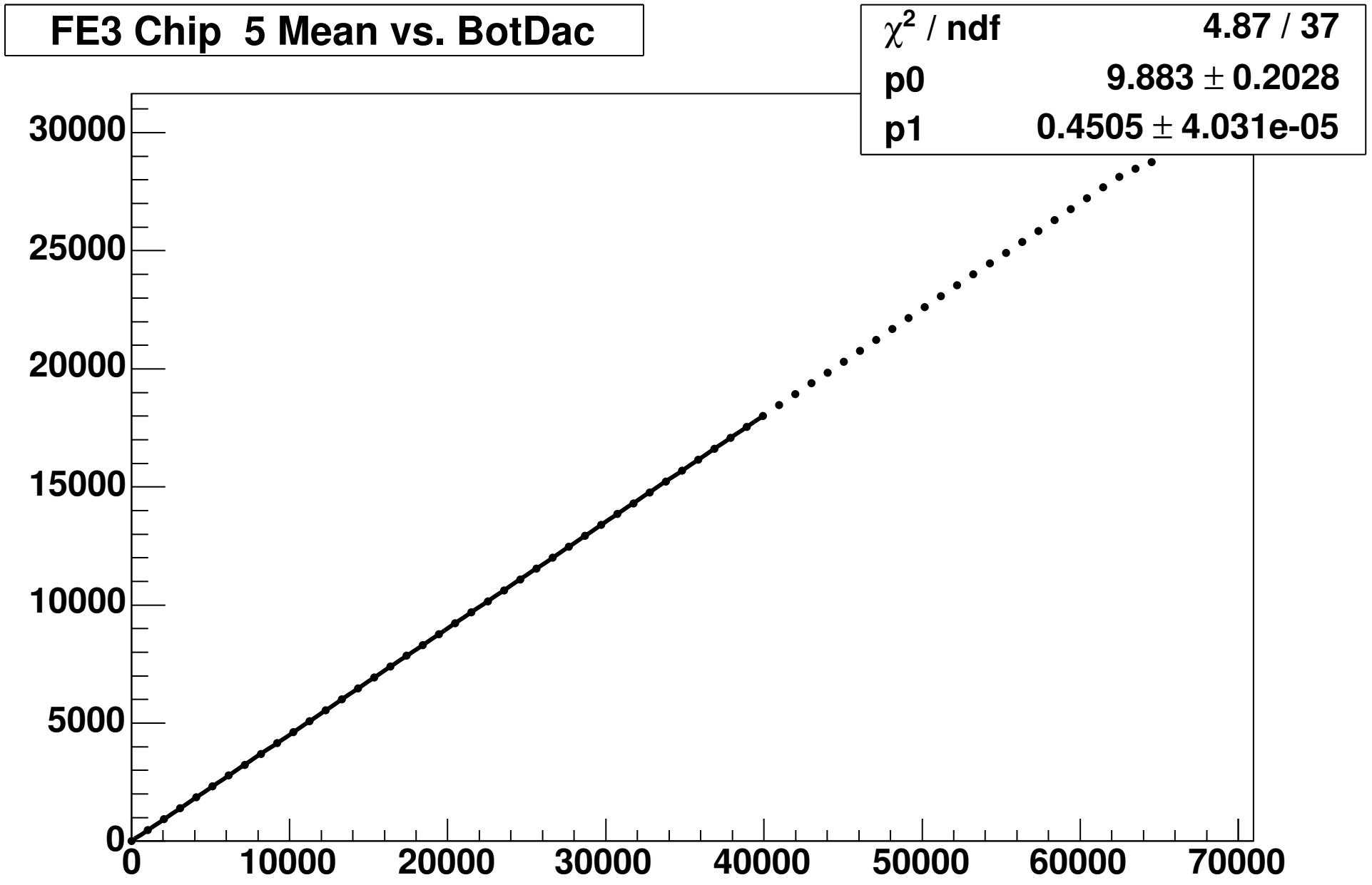
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 4.87 / 37
p0 9.883 ± 0.2028
p1 0.4505 ± 4.031e-05
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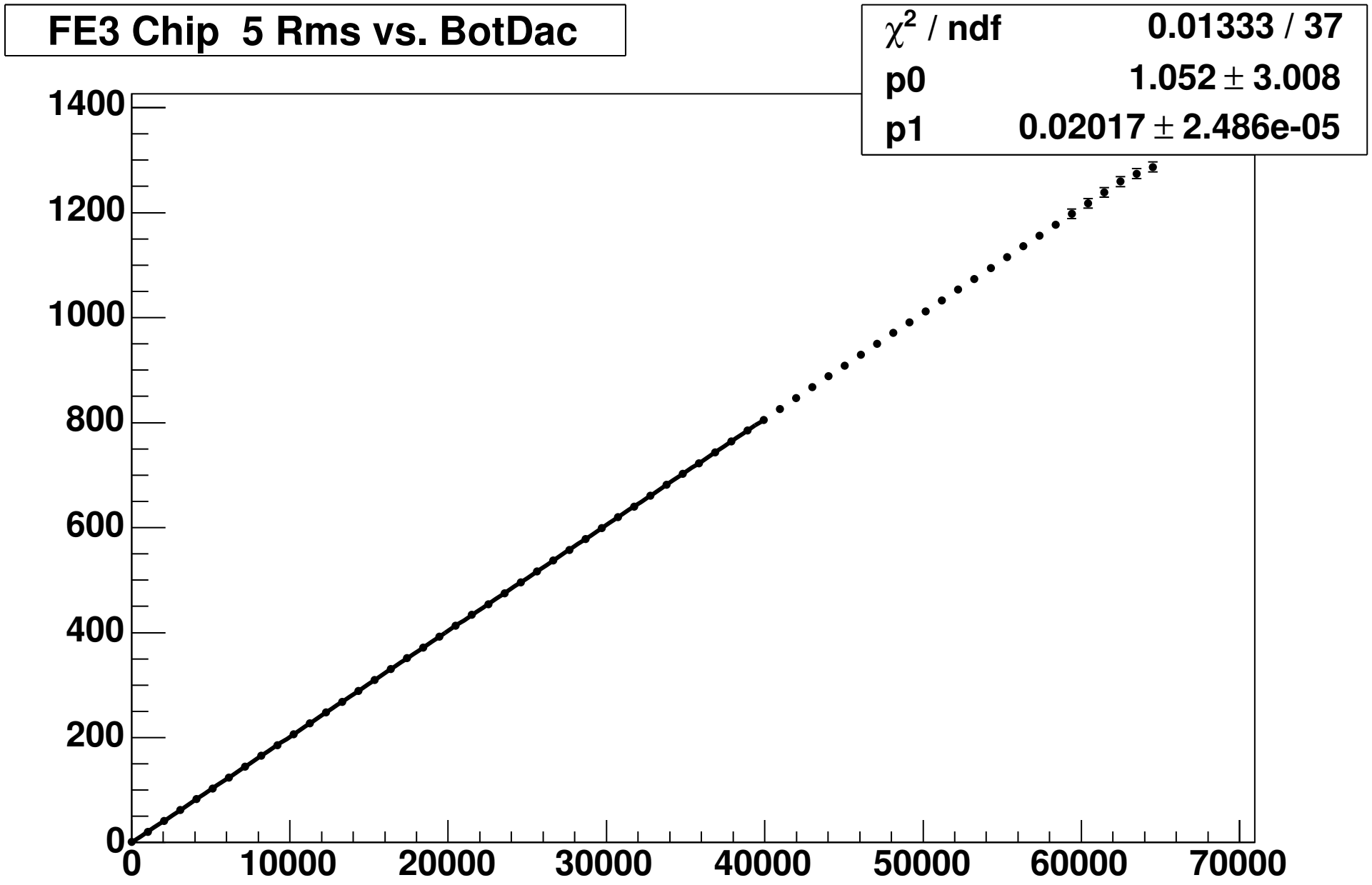
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 0.01333 / 37
p0 1.052 ± 3.008
p1 0.02017 ± 2.486e-05
1400
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1000
800
600
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200
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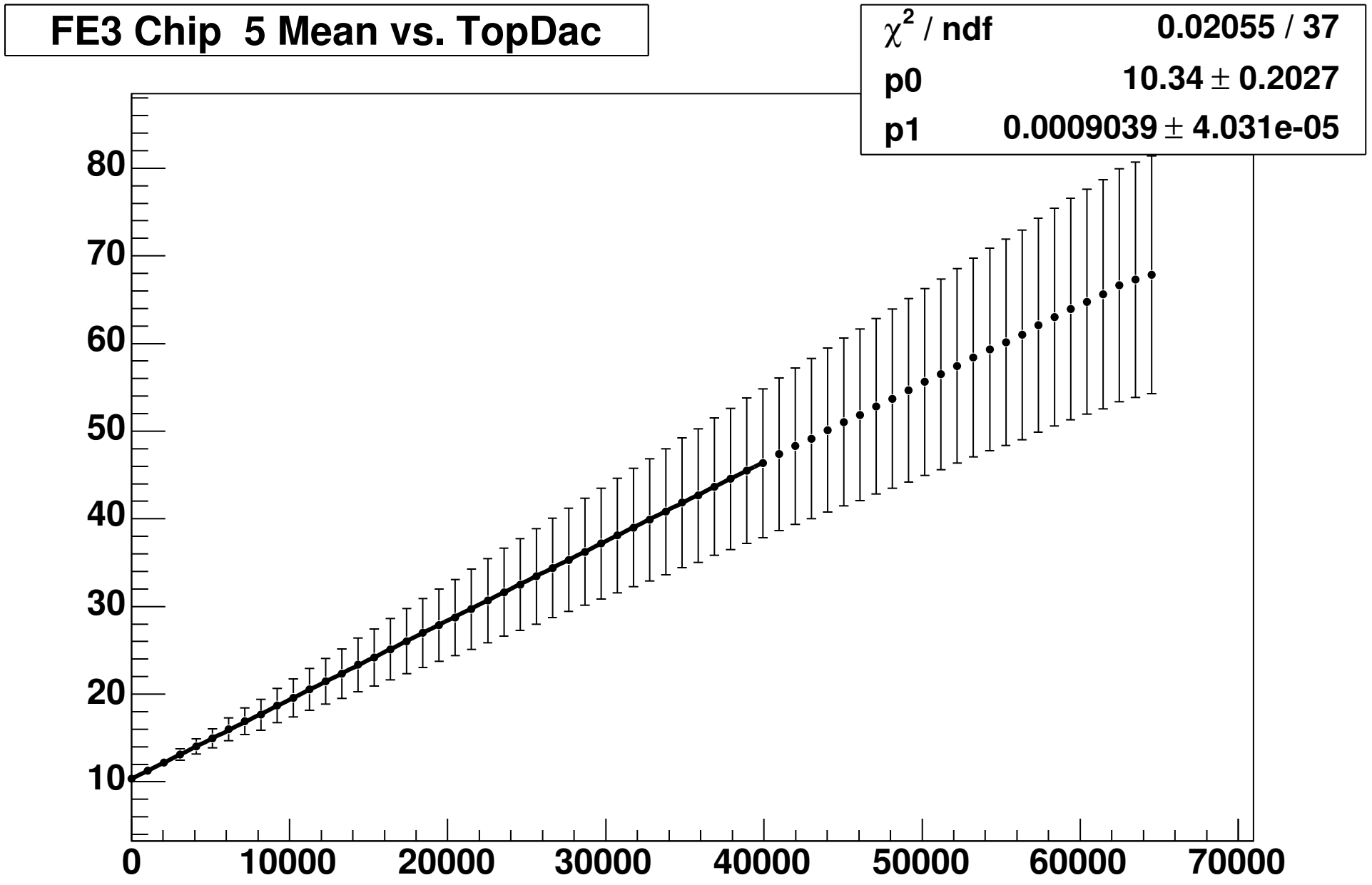
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 0.02055 / 37
p0 10.34 ± 0.2027
p1 0.0009039 ± 4.031e-05
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50
40
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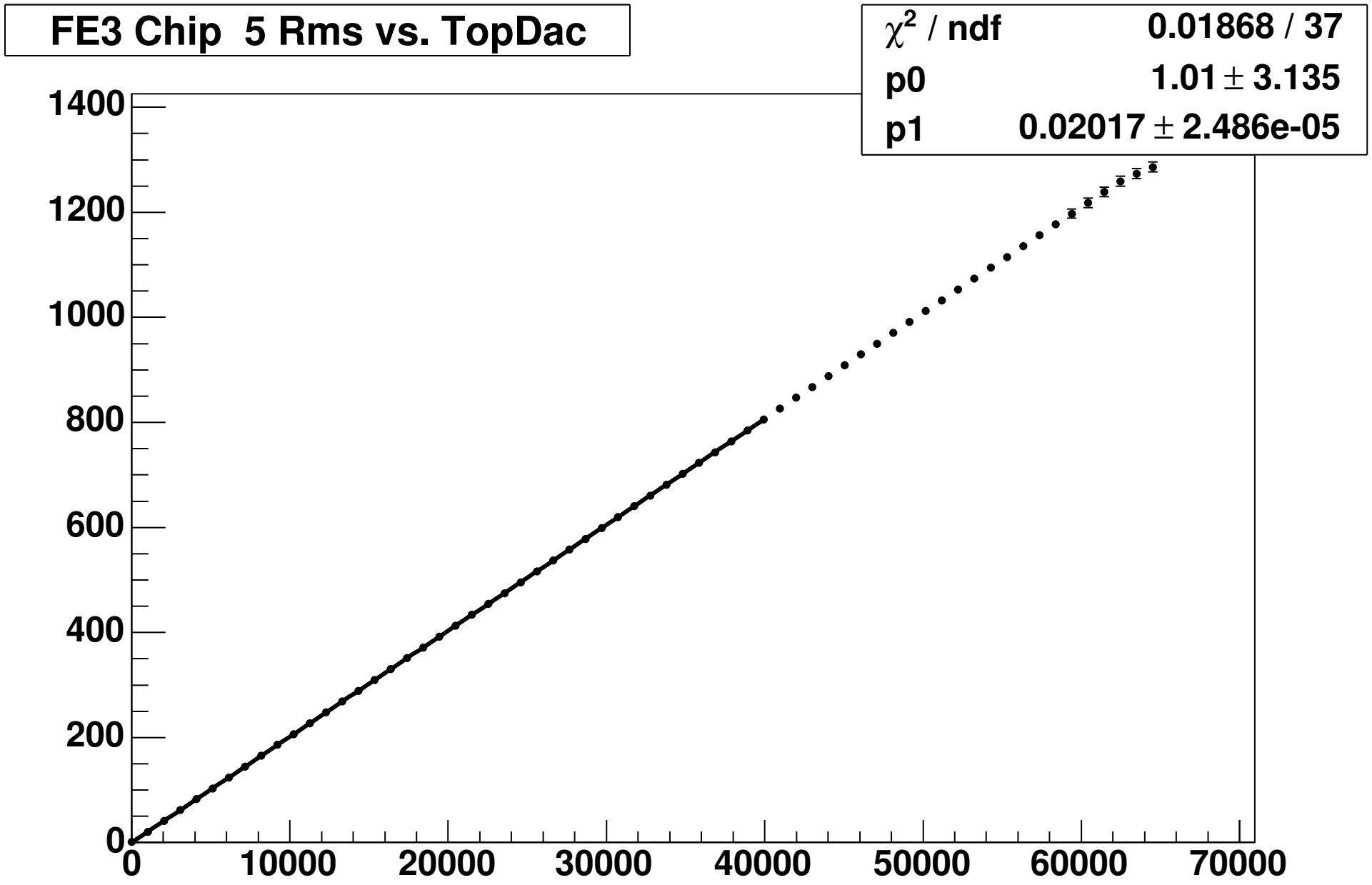
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 0.01868 / 37
p0 1.01 ± 3.135
p1 0.02017 ± 2.486e-05
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800
600
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200
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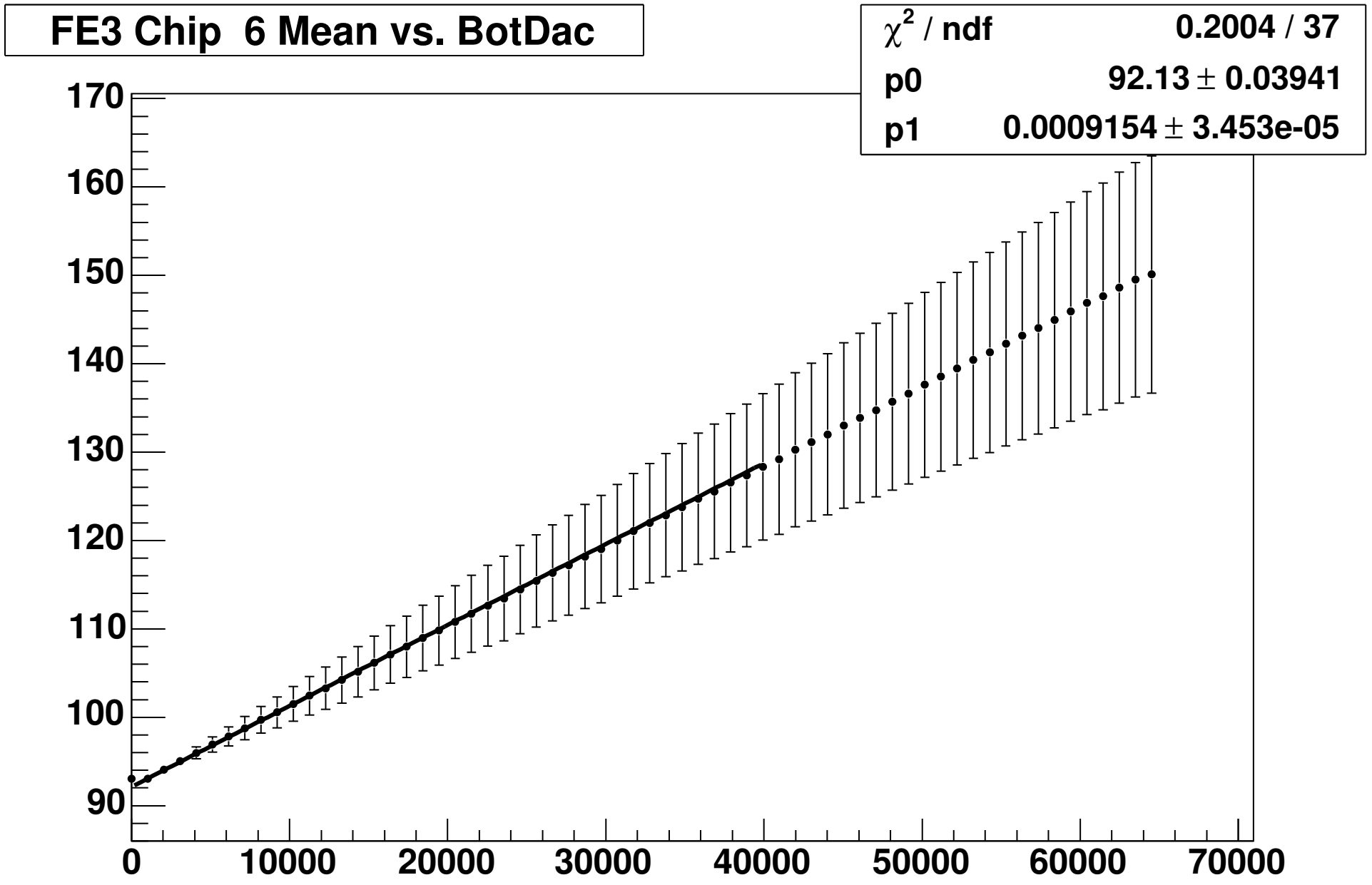
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 0.2004 / 37
p0 92.13 ± 0.03941
p1 0.0009154 ± 3.453e-05
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150
140
130
120
110
100
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0
10000
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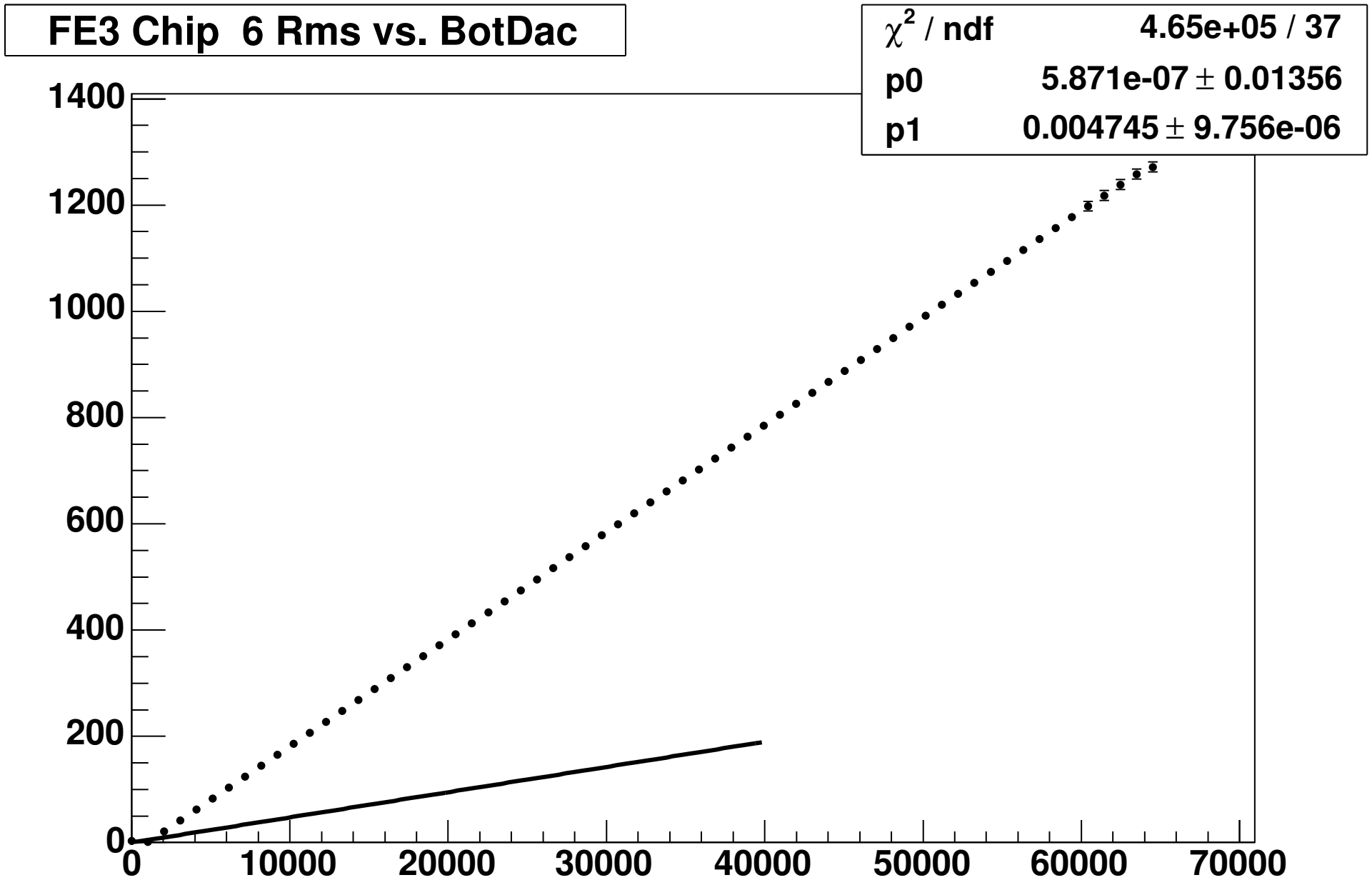
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 4.65e+05 / 37
p0 5.871e-07 ± 0.01356
p1 0.004745 ± 9.756e-06
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1000
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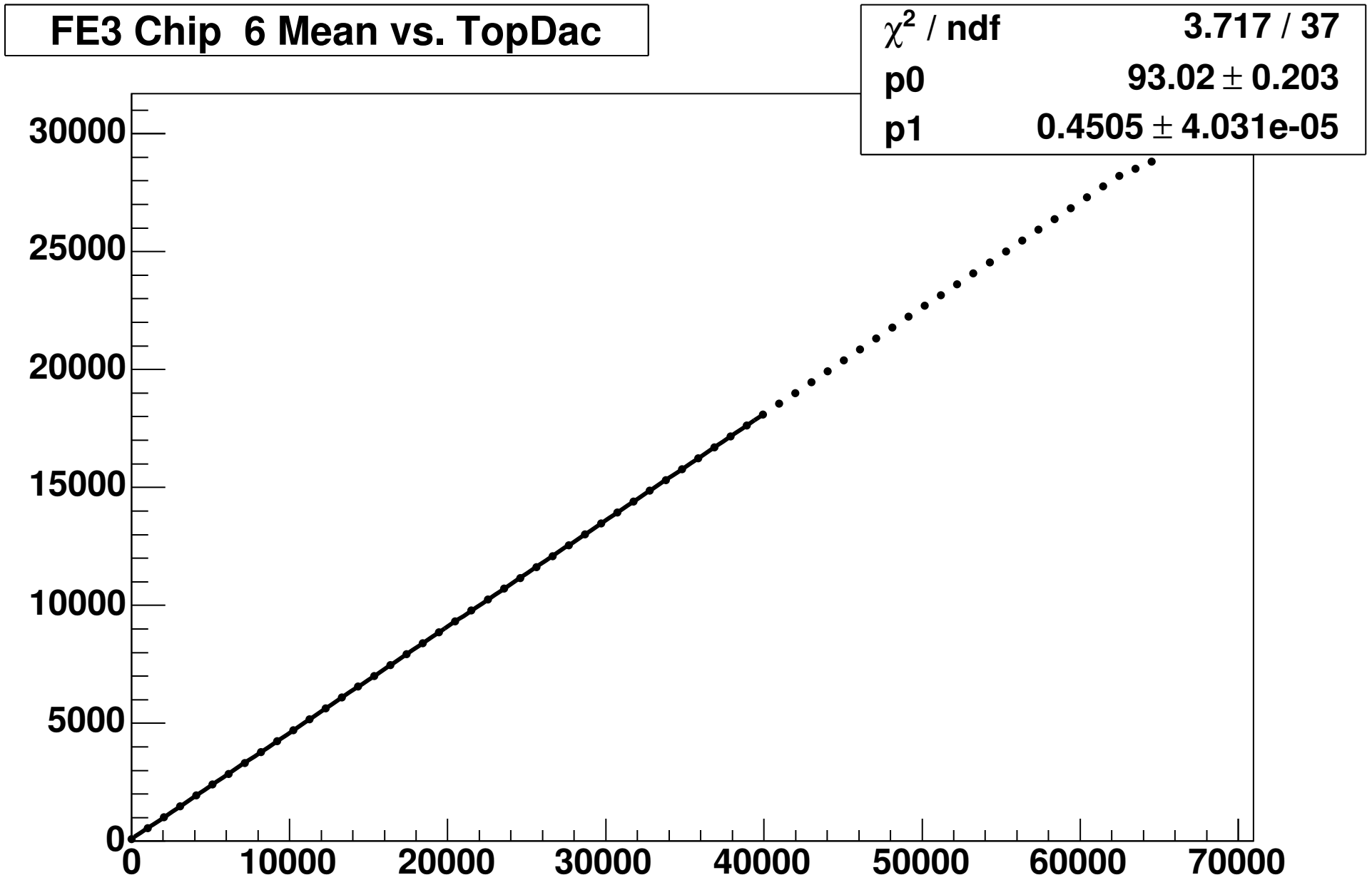
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 3.717 / 37
p0 93.02 ± 0.203
p1 0.4505 ± 4.031e-05
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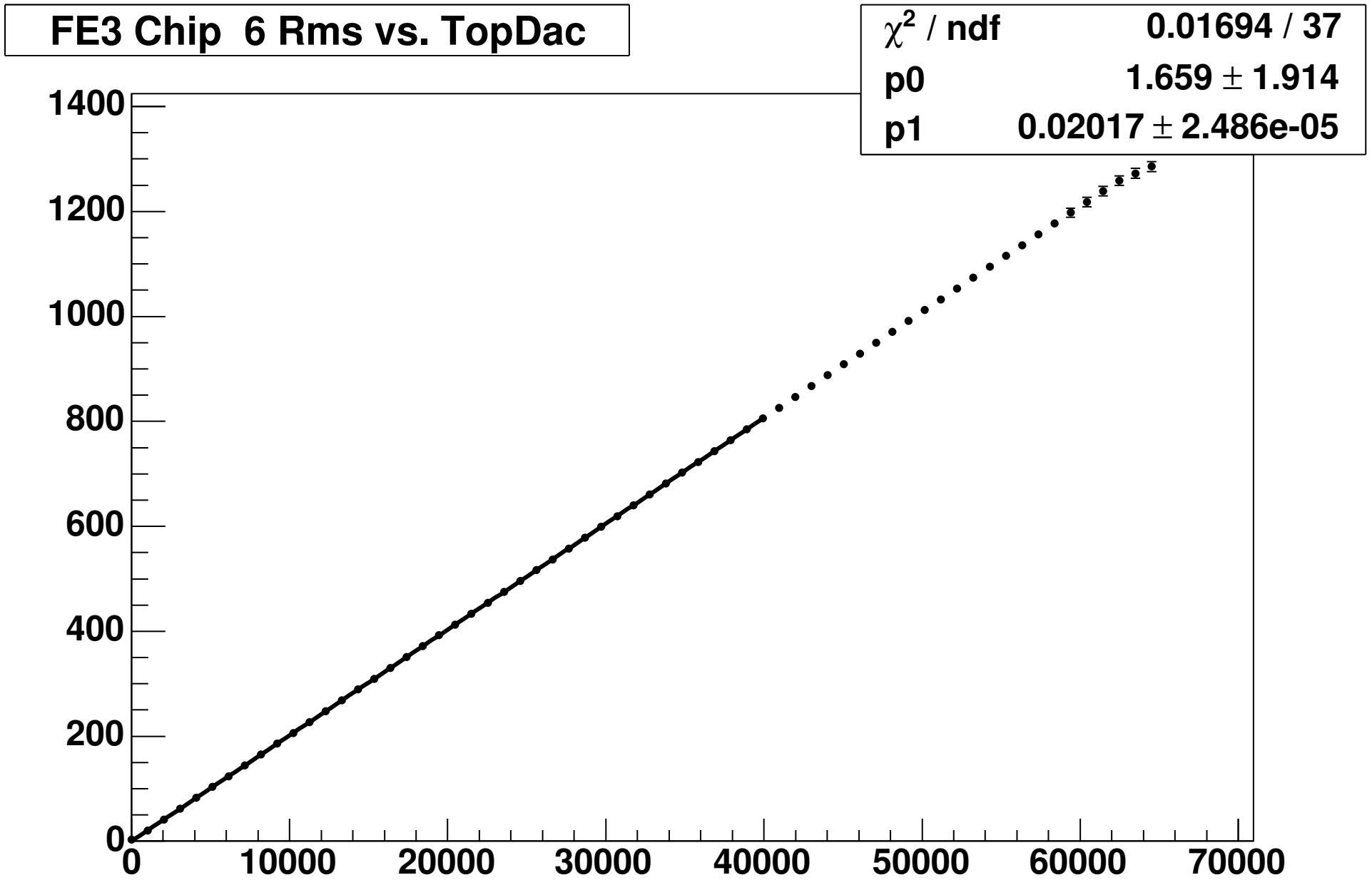
FE3 Chip 6 Rms vs. TopDac
χ² / ndf 0.01694 / 37
p0 1.659 ± 1.914
p1 0.02017 ± 2.486e-05
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1000
800
600
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200
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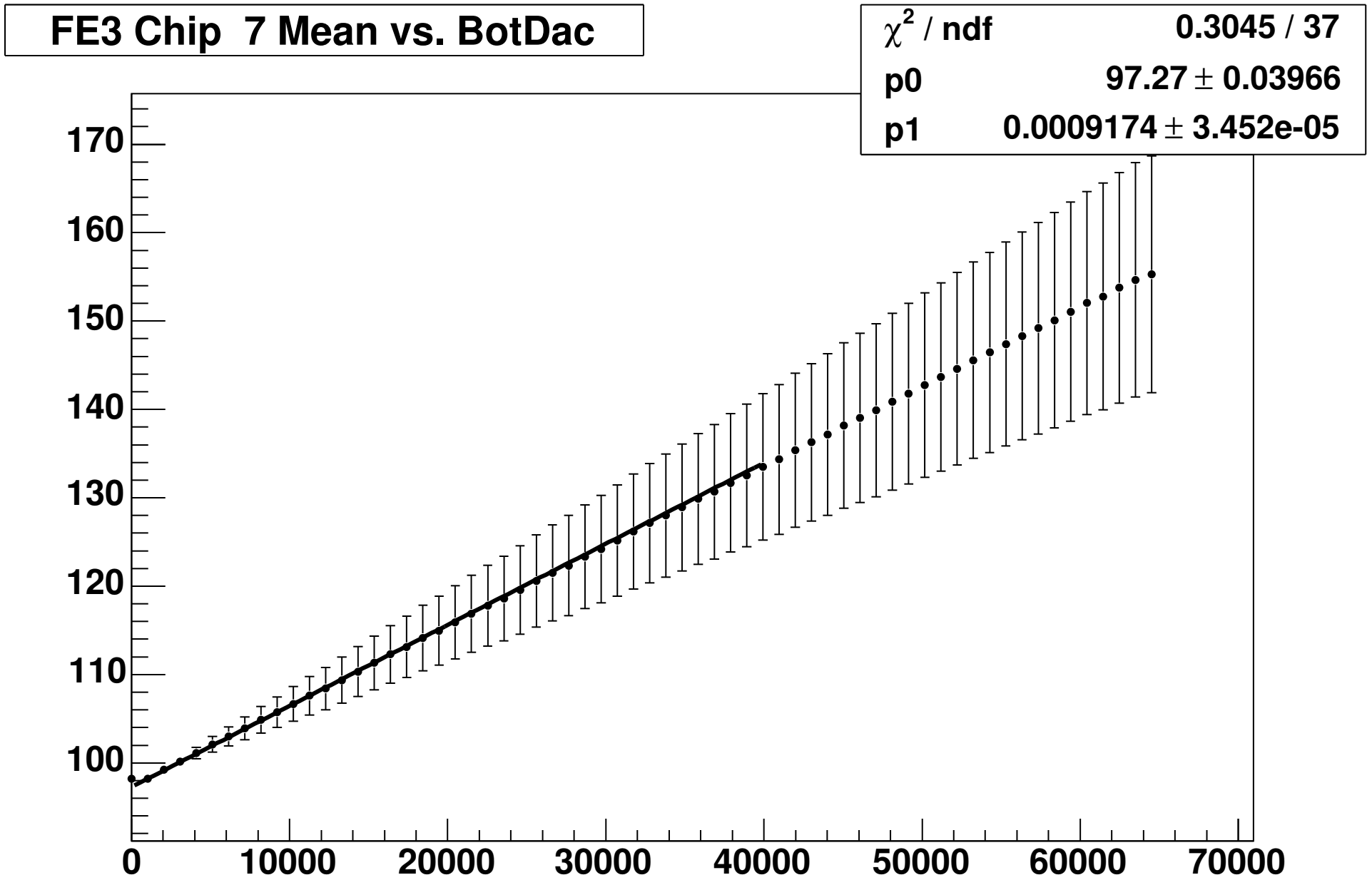
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 0.3045 / 37
p0 97.27 ± 0.03966
p1 0.0009174 ± 3.452e-05
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160
150
140
130
120
110
100
0
10000
20000
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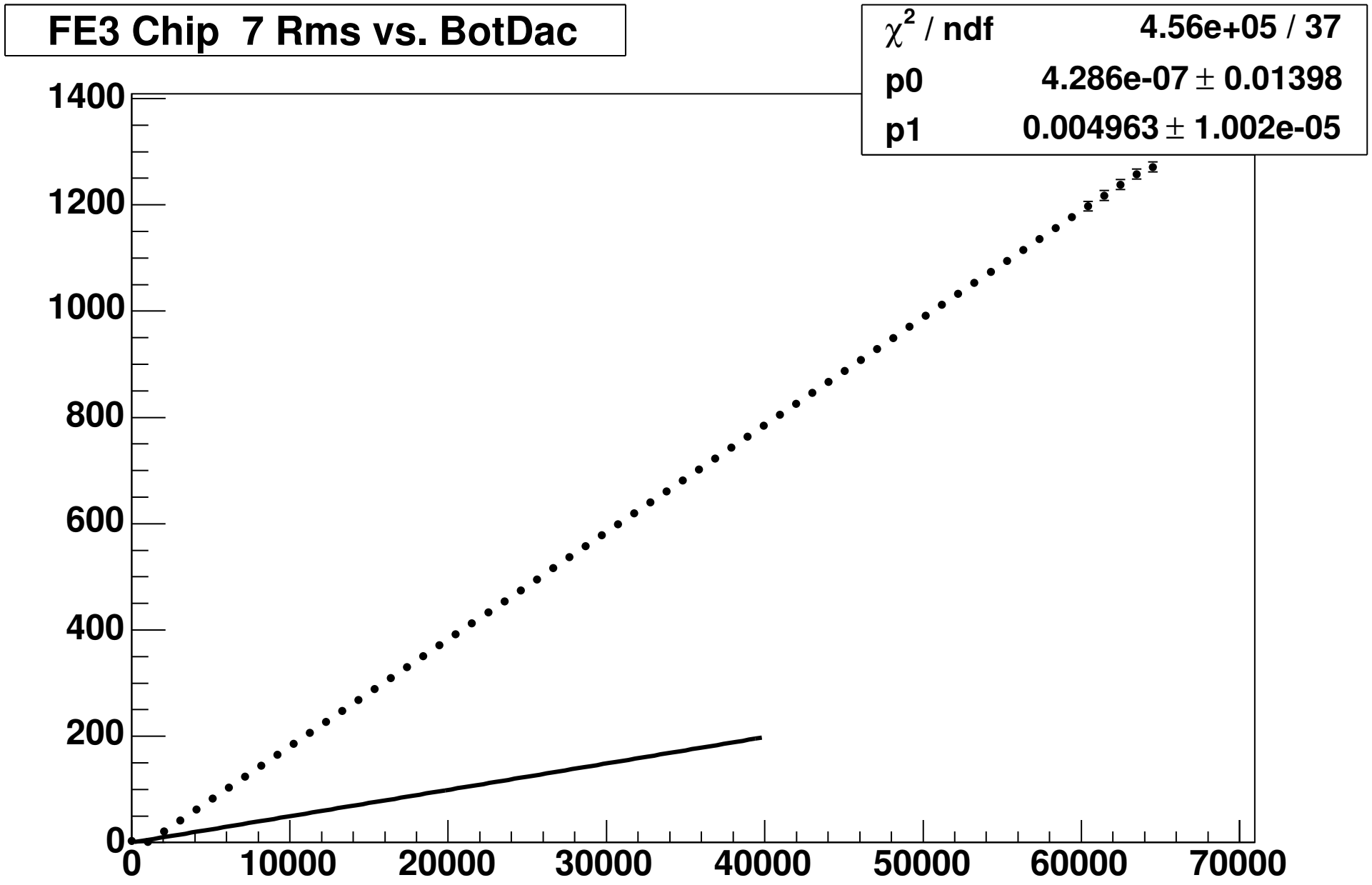
FE3 Chip 7 Rms vs. BotDac
χ² / ndf 4.56e+05 / 37
p0 4.286e-07 ± 0.01398
p1 0.004963 ± 1.002e-05
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1000
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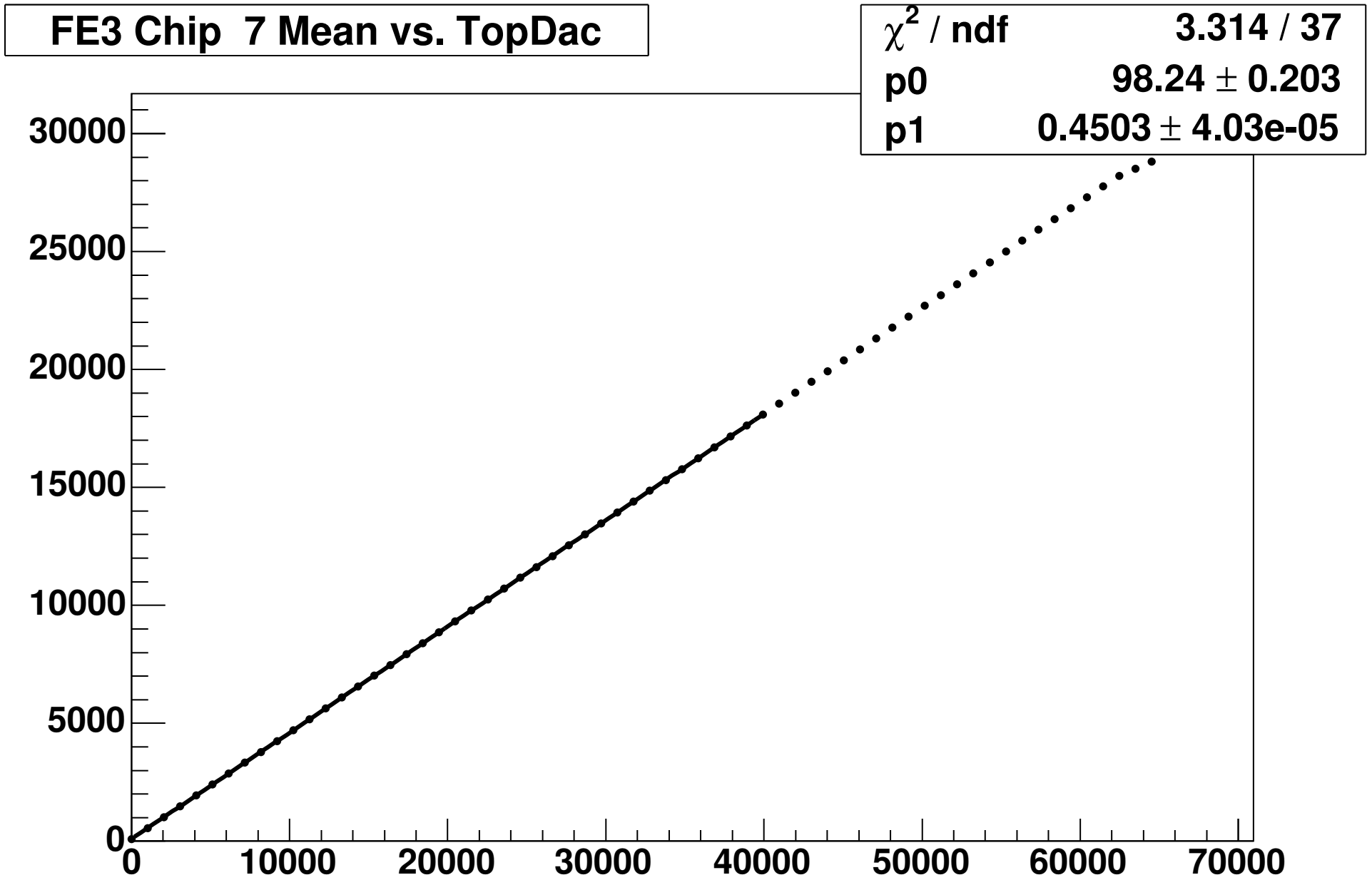
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 3.314 / 37
p0 98.24 ± 0.203
p1 0.4503 ± 4.03e-05
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15000
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5000
0
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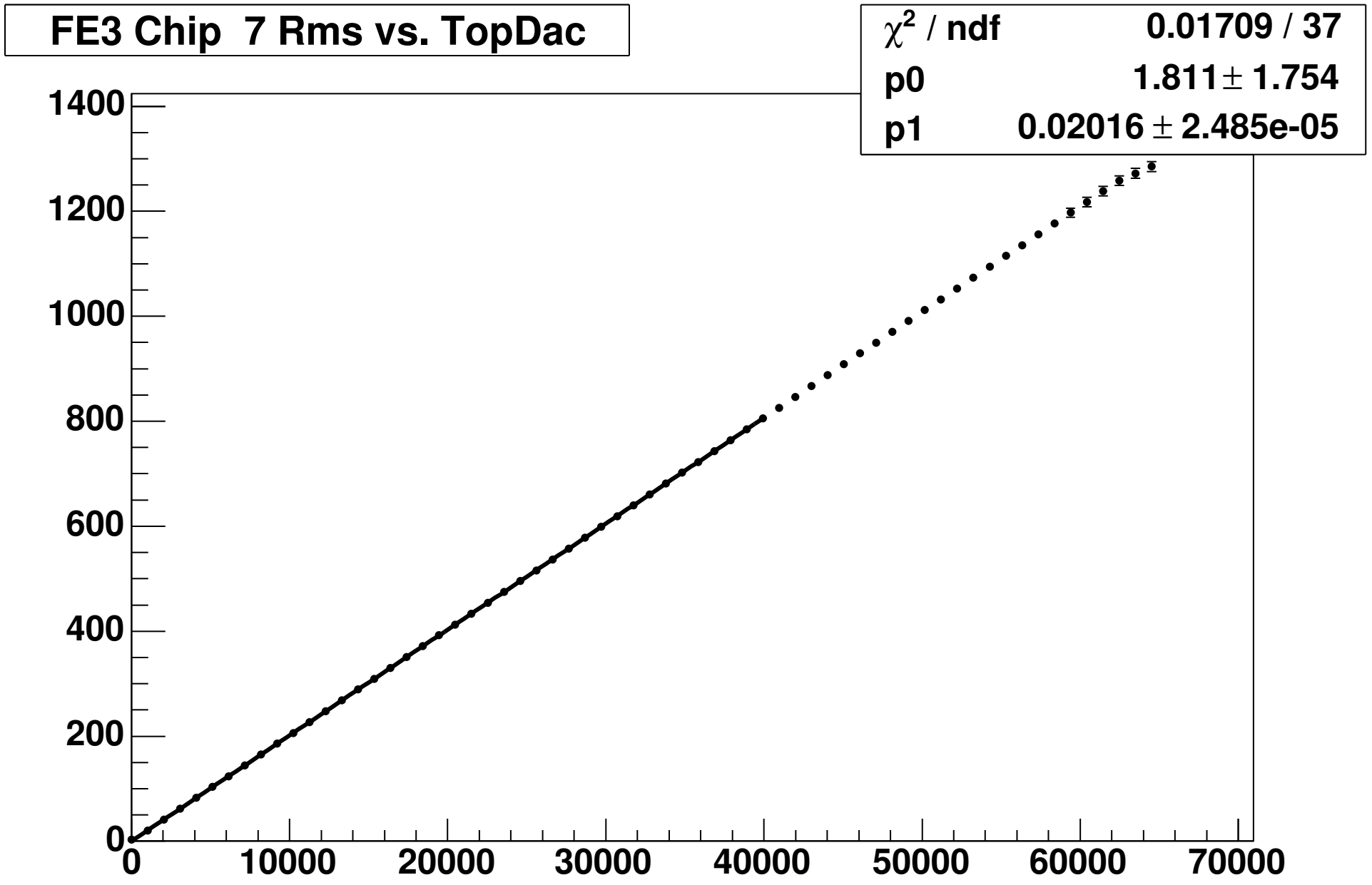
FE3 Chip 7 Rms vs. TopDac
χ² / ndf 0.01709 / 37
p0 1.811 ± 1.754
p1 0.02016 ± 2.485e-05
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1200
1000
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400
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10000
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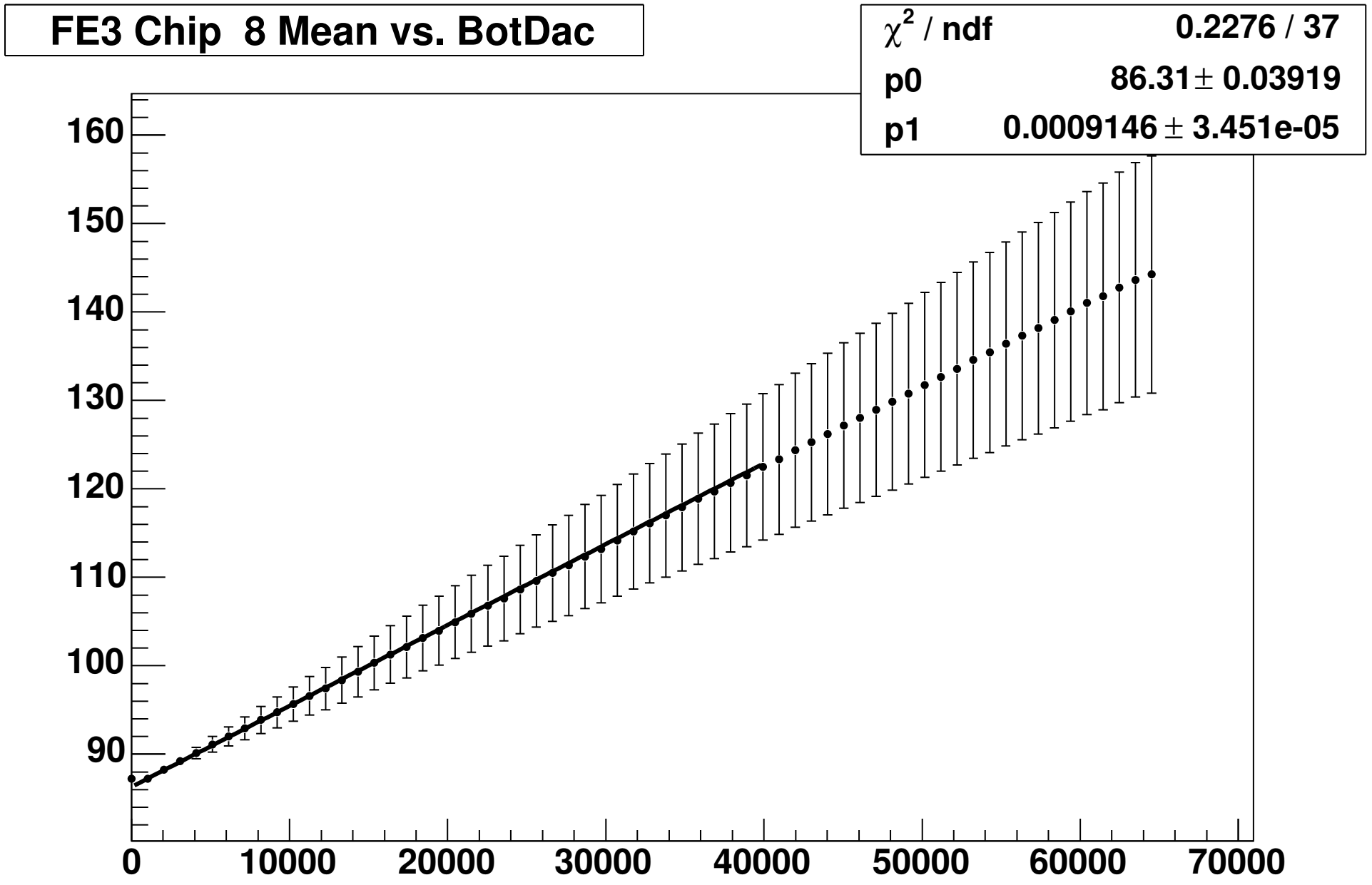
FE3 Chip 8 Mean vs. BotDac
χ² / ndf 0.2276 / 37
p0 86.31 ± 0.03919
p1 0.0009146 ± 3.451e-05
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150
140
130
120
110
100
90
0
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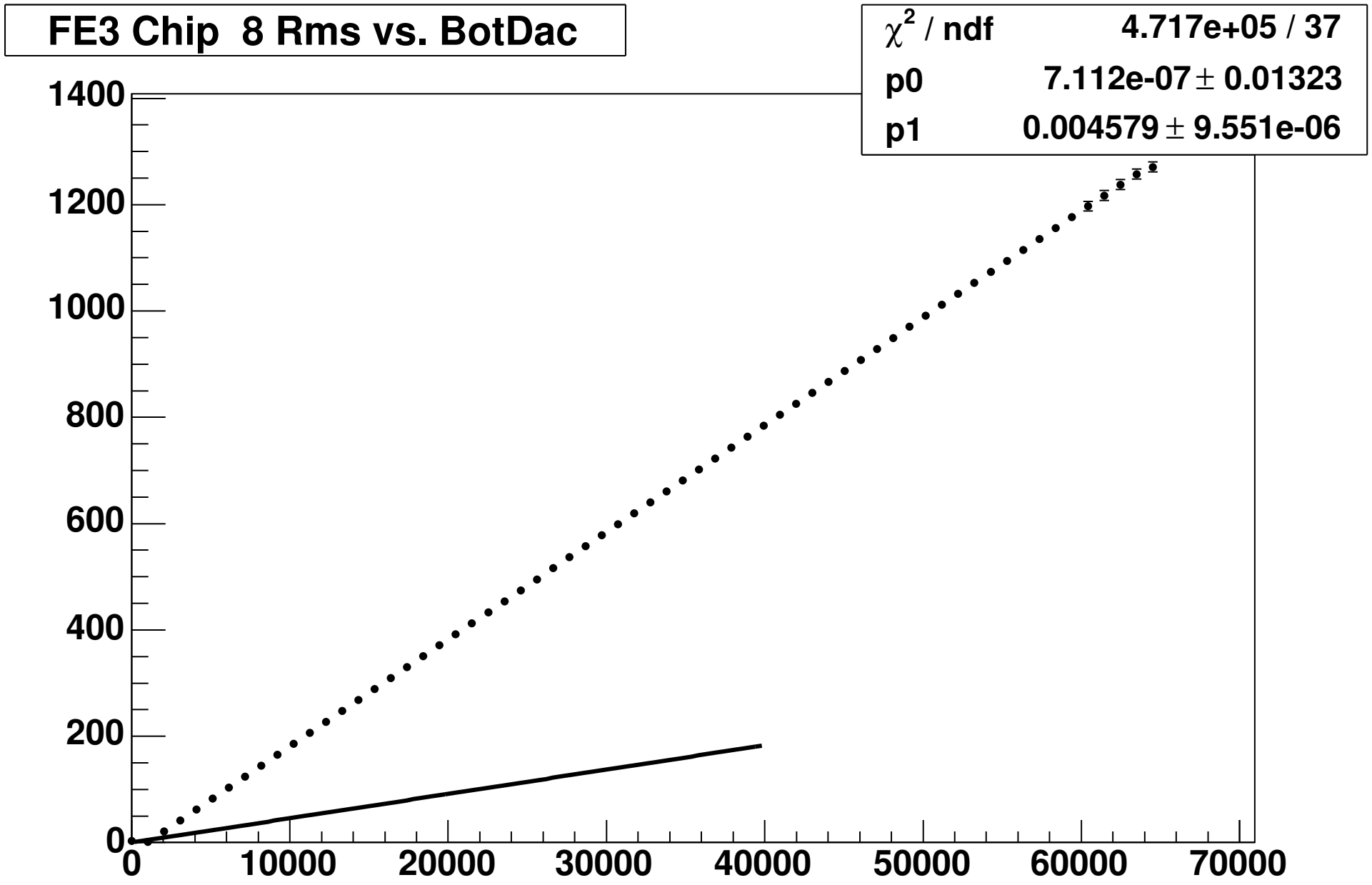
FE3 Chip 8 Rms vs. BotDac
χ² / ndf 4.717e+05 / 37
p0 7.112e-07 ± 0.01323
p1 0.004579 ± 9.551e-06
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1000
800
600
400
200
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10000
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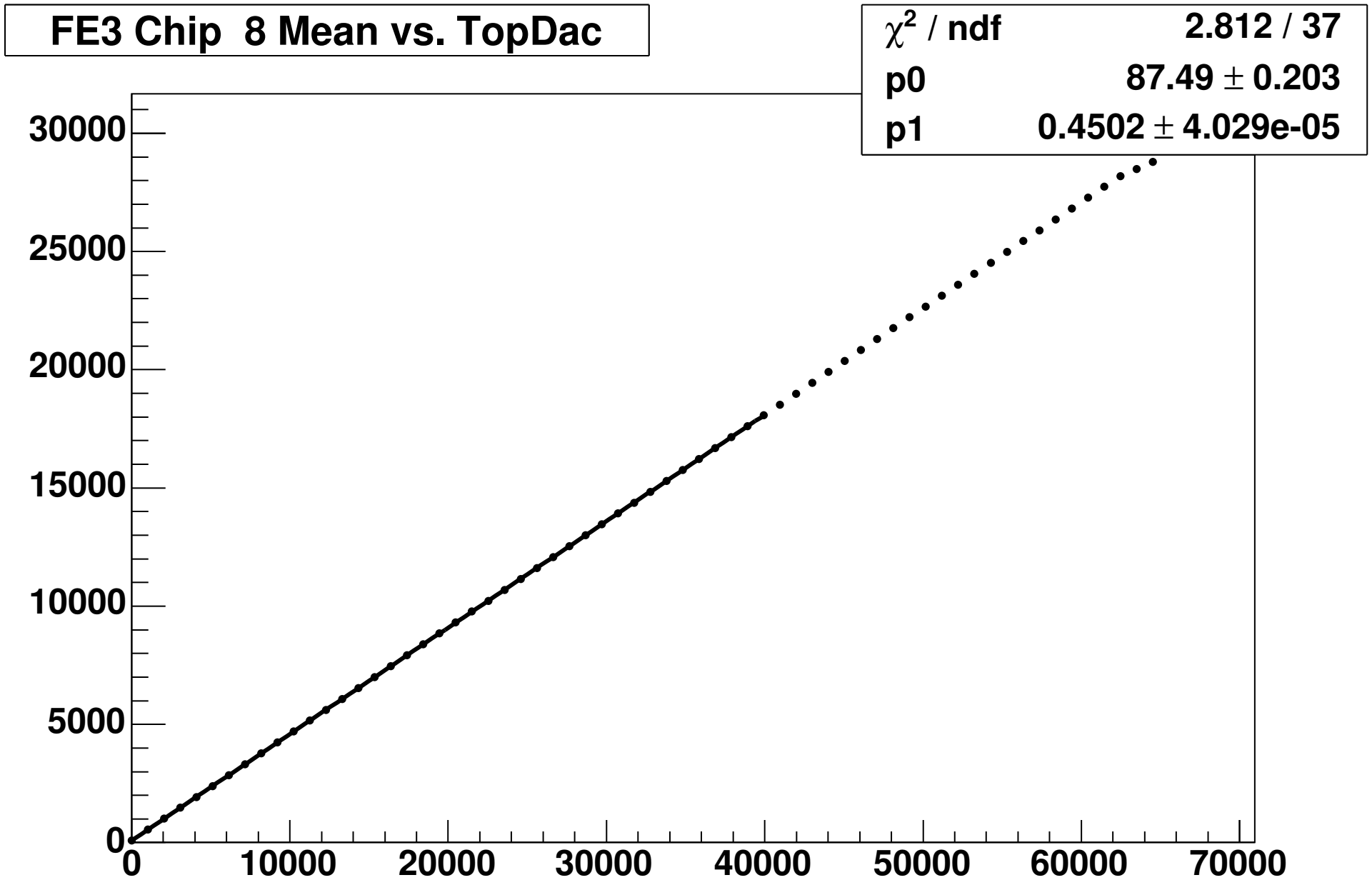
FE3 Chip 8 Mean vs. TopDac
χ² / ndf 2.812 / 37
p0 87.49 ± 0.203
p1 0.4502 ± 4.029e-05
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25000
20000
15000
10000
5000
0
0
10000
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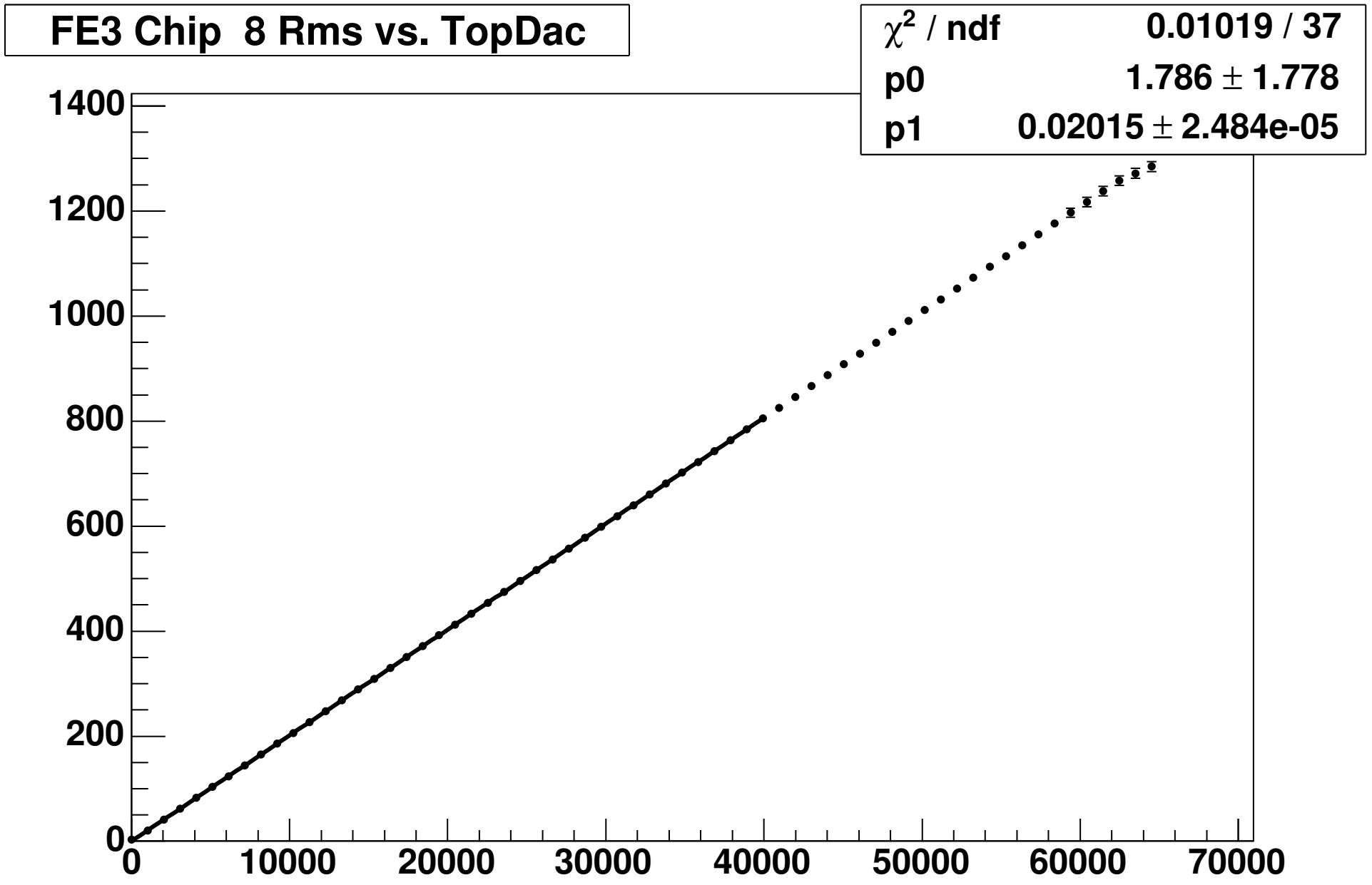
FE3 Chip 8 Rms vs. TopDac
χ² / ndf 0.01019 / 37
p0 1.786 ± 1.778
p1 0.02015 ± 2.484e-05
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1000
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400
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10000
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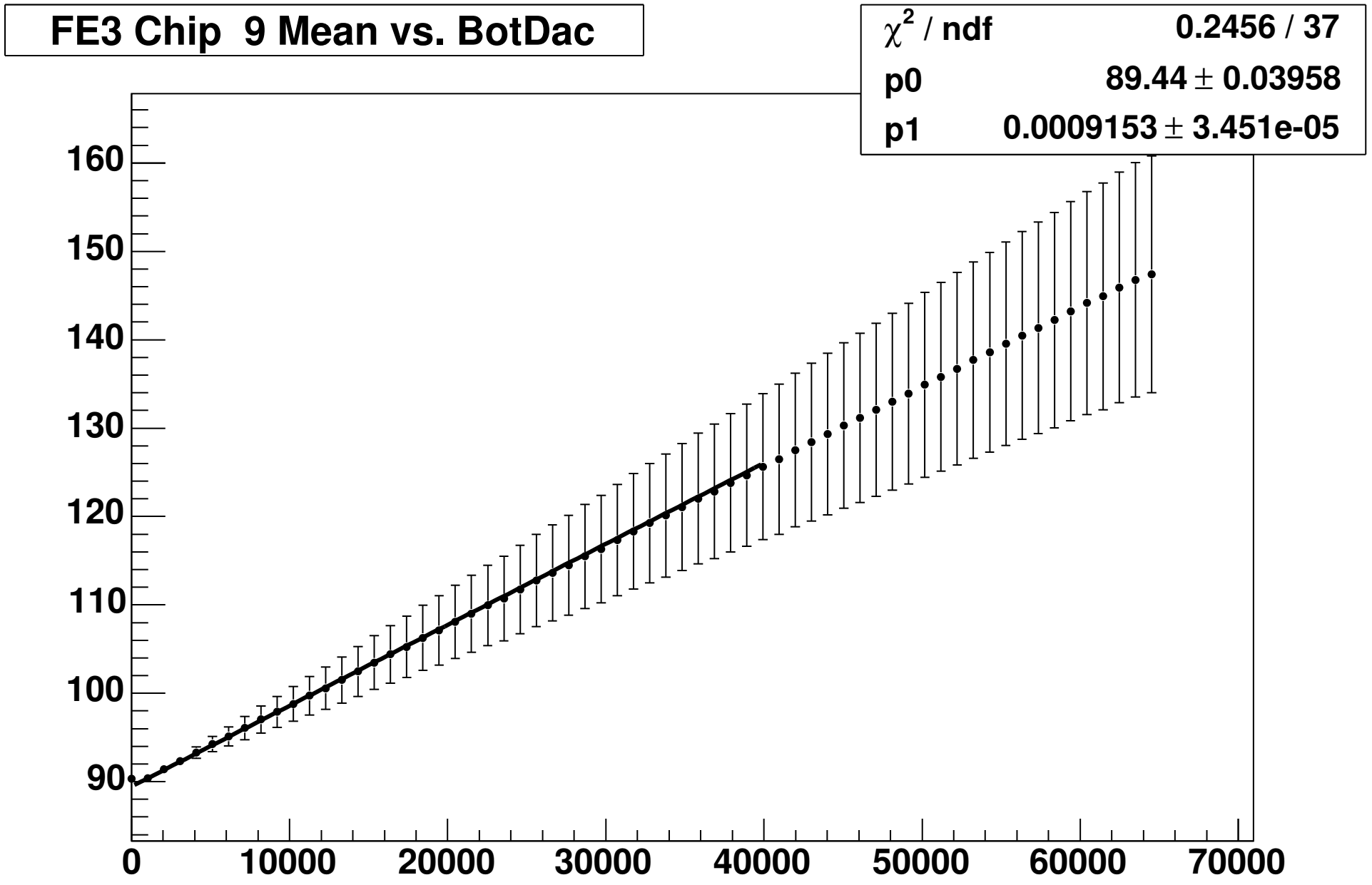
FE3 Chip 9 Mean vs. BotDac
χ² / ndf 0.2456 / 37
p0 89.44 ± 0.03958
p1 0.0009153 ± 3.451e-05
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150
140
130
120
110
100
90
0
10000
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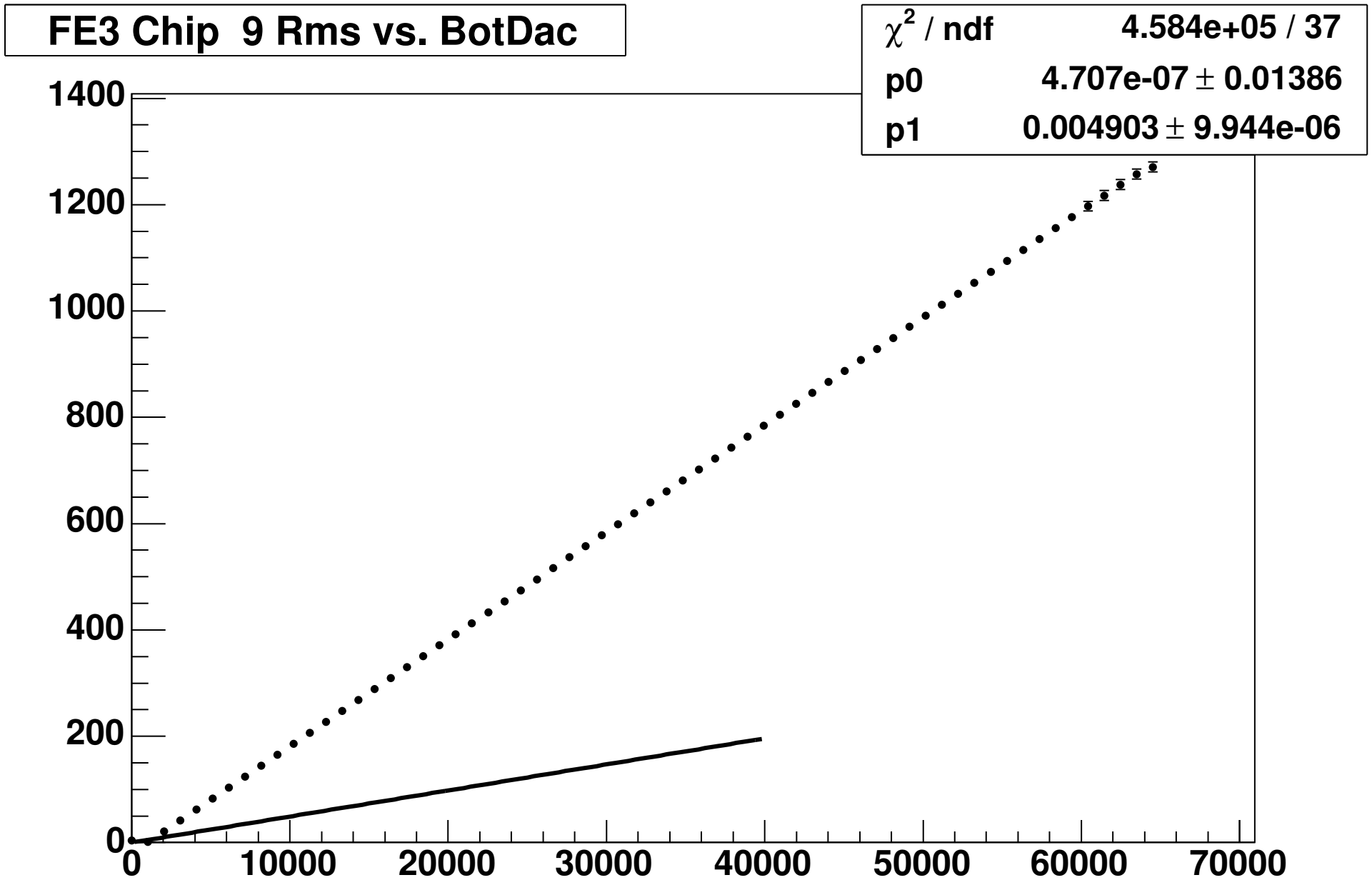
FE3 Chip 9 Rms vs. BotDac
χ² / ndf 4.584e+05 / 37
p0 4.707e-07 ± 0.01386
p1 0.004903 ± 9.944e-06
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1000
800
600
400
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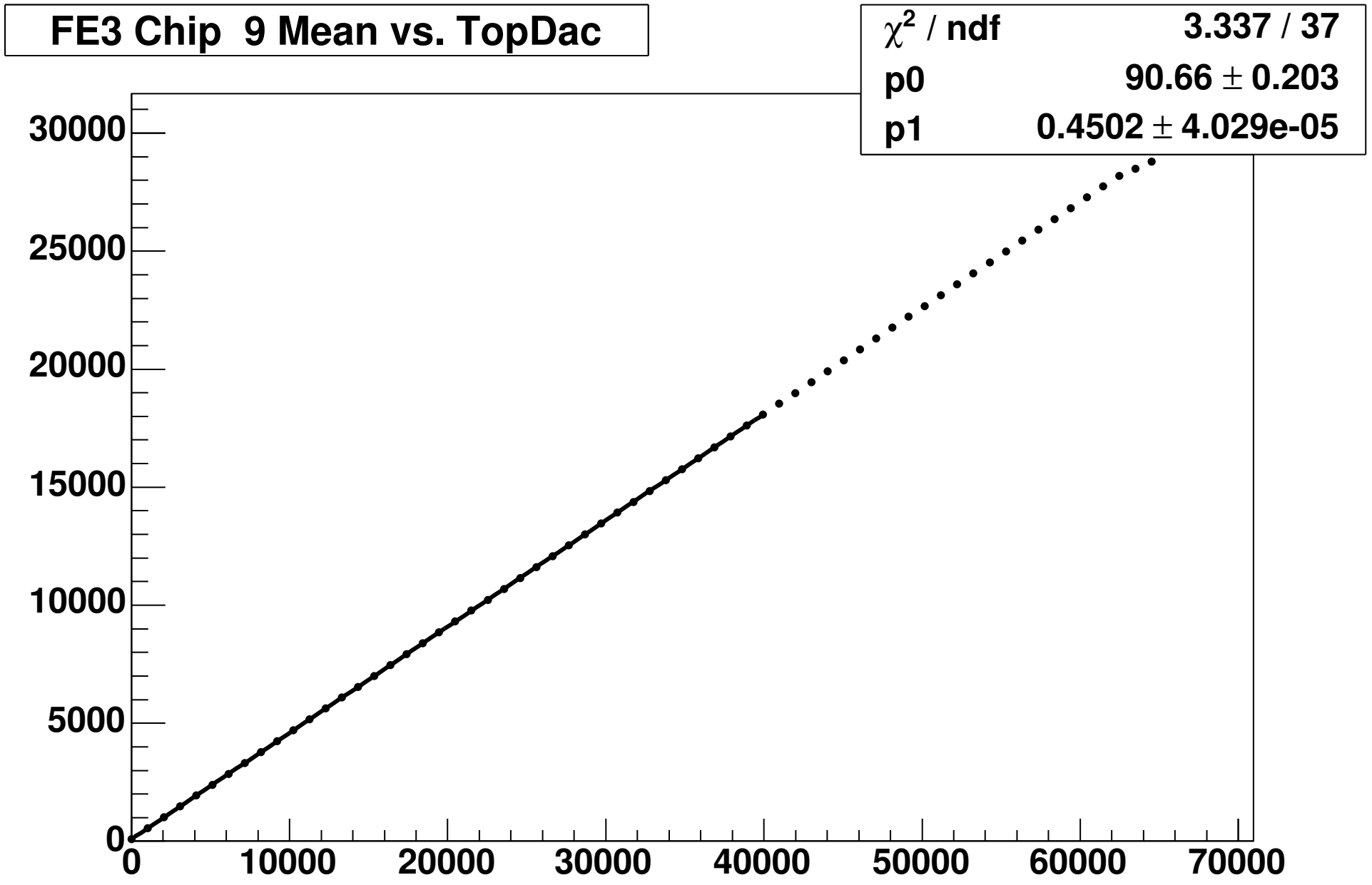
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 3.337 / 37
p0 90.66 ± 0.203
p1 0.4502 ± 4.029e-05
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25000
20000
15000
10000
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0
0
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30000
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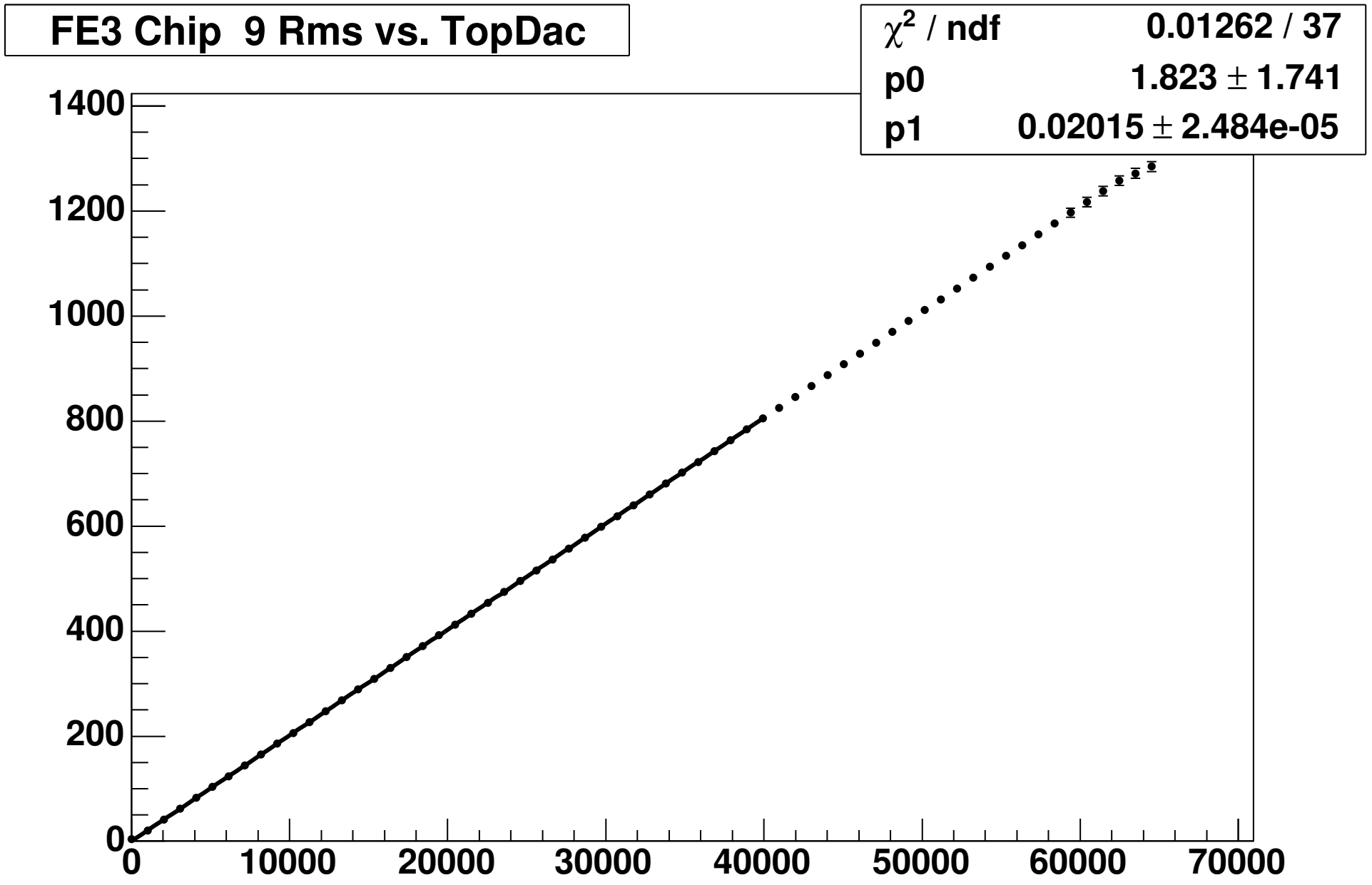
FE3 Chip 9 Rms vs. TopDac
χ² / ndf 0.01262 / 37
p0 1.823 ± 1.741
p1 0.02015 ± 2.484e-05
1400
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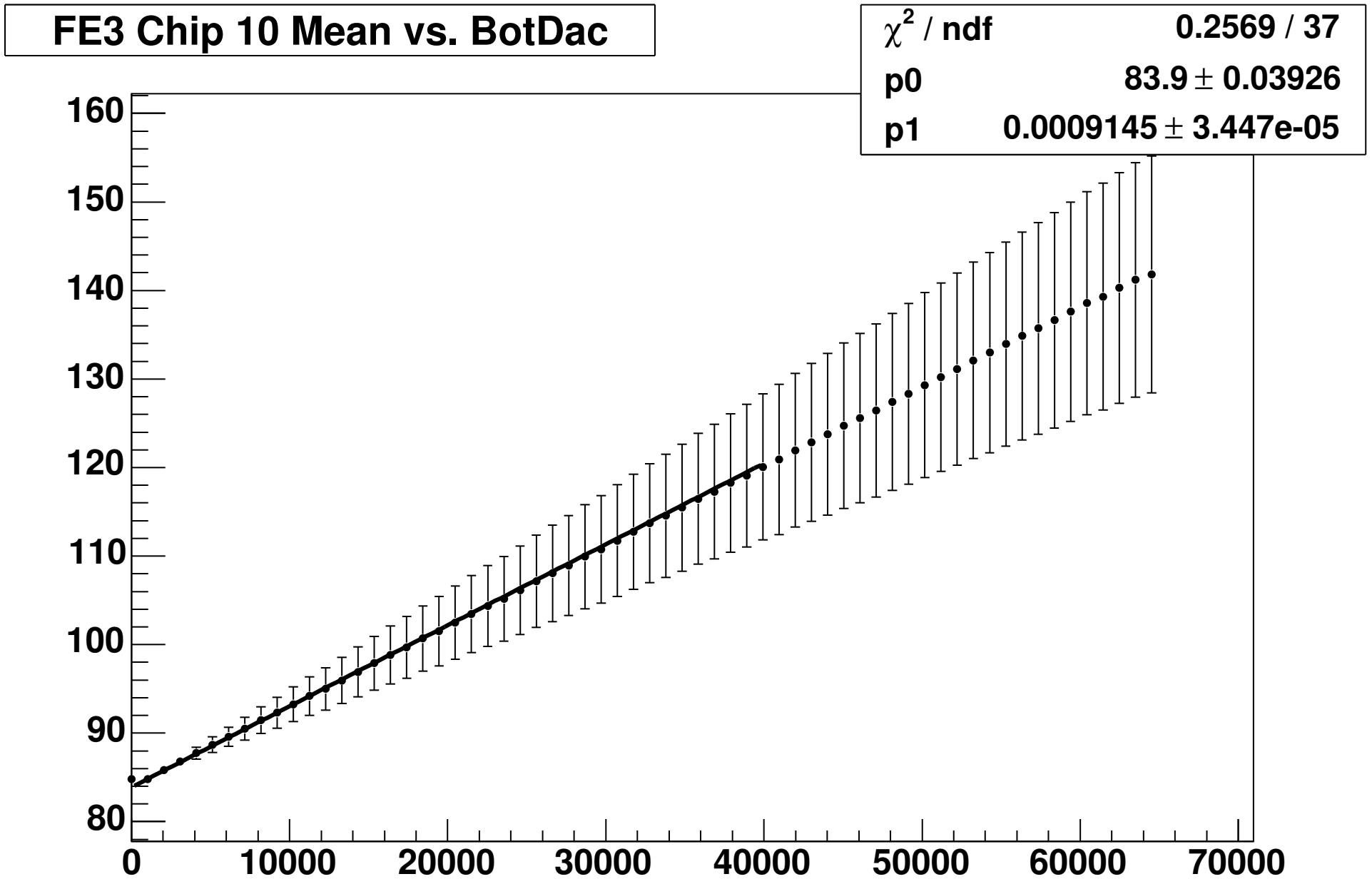
FE3 Chip 10 Mean vs. BotDac
χ² / ndf 0.2569 / 37
p0 83.9 ± 0.03926
p1 0.0009145 ± 3.447e-05
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150
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130
120
110
100
90
80
0
10000
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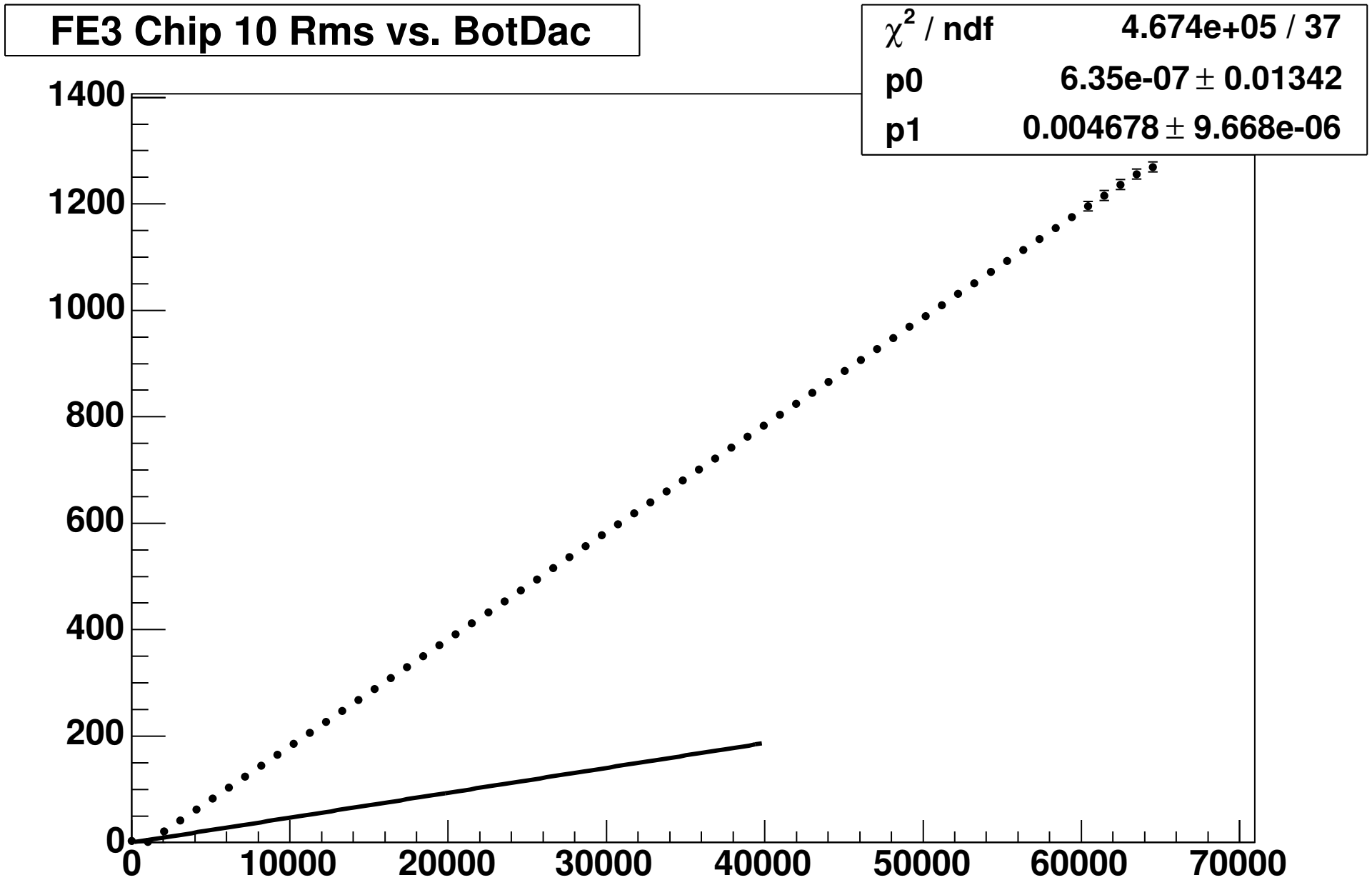
FE3 Chip 10 Rms vs. BotDac
χ² / ndf 4.674e+05 / 37
p0 6.35e-07 ± 0.01342
p1 0.004678 ± 9.668e-06
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1000
800
600
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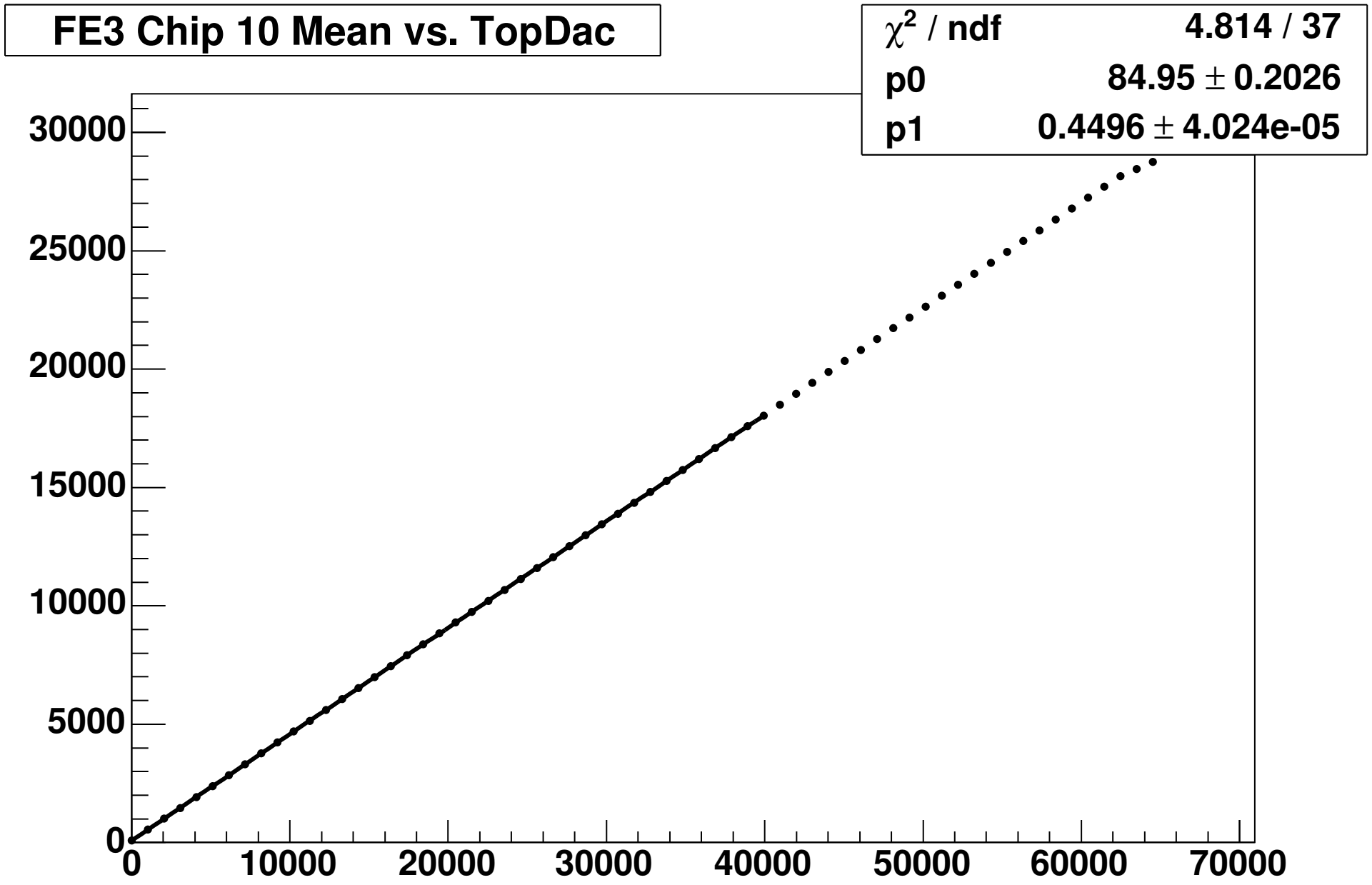
FE3 Chip 10 Mean vs. TopDac
χ² / ndf 4.814 / 37
p0 84.95 ± 0.2026
p1 0.4496 ± 4.024e-05
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15000
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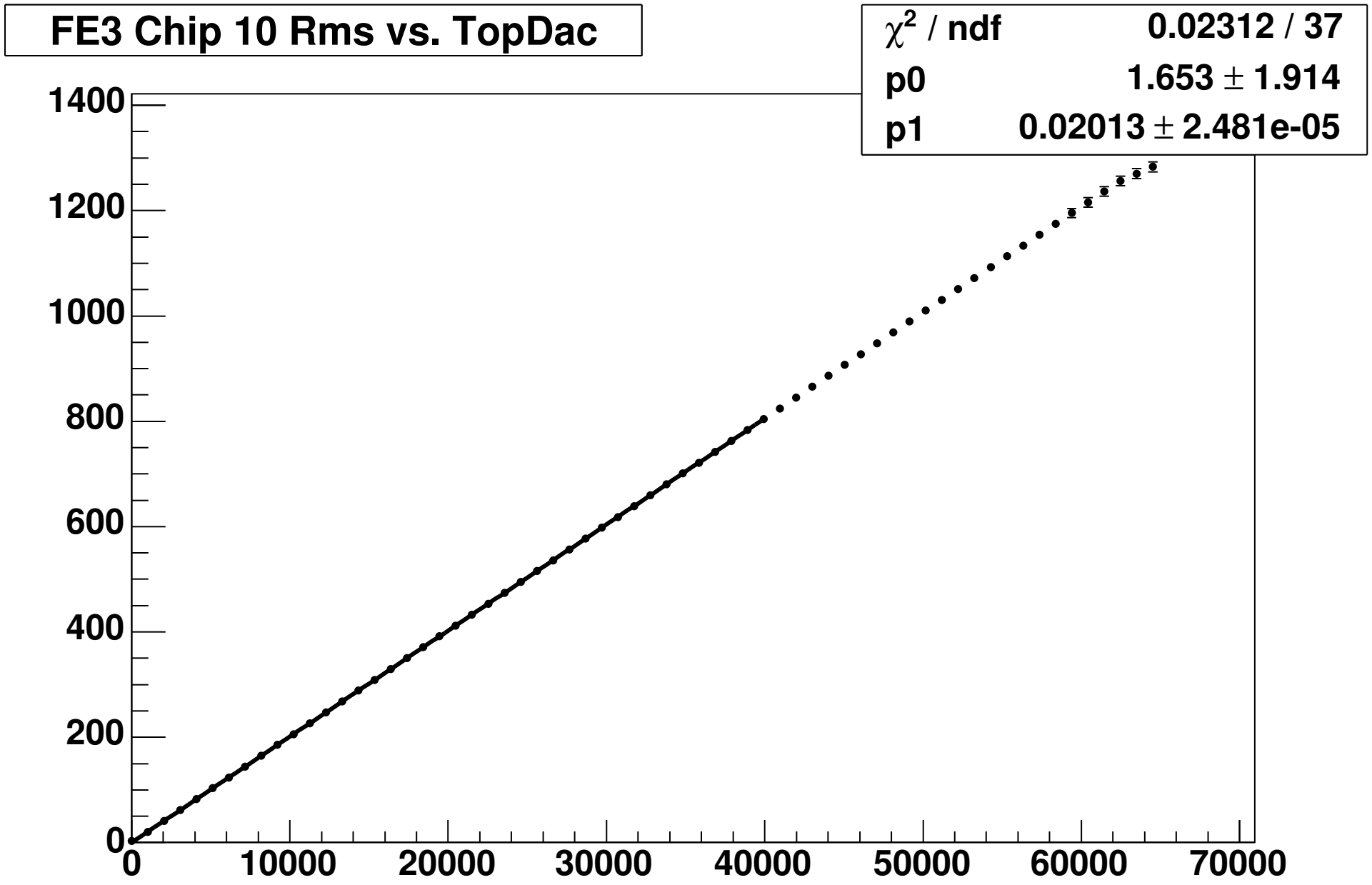
FE3 Chip 10 Rms vs. TopDac
χ² / ndf 0.02312 / 37
p0 1.653 ± 1.914
p1 0.02013 ± 2.481e-05
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1000
800
600
400
200
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10000
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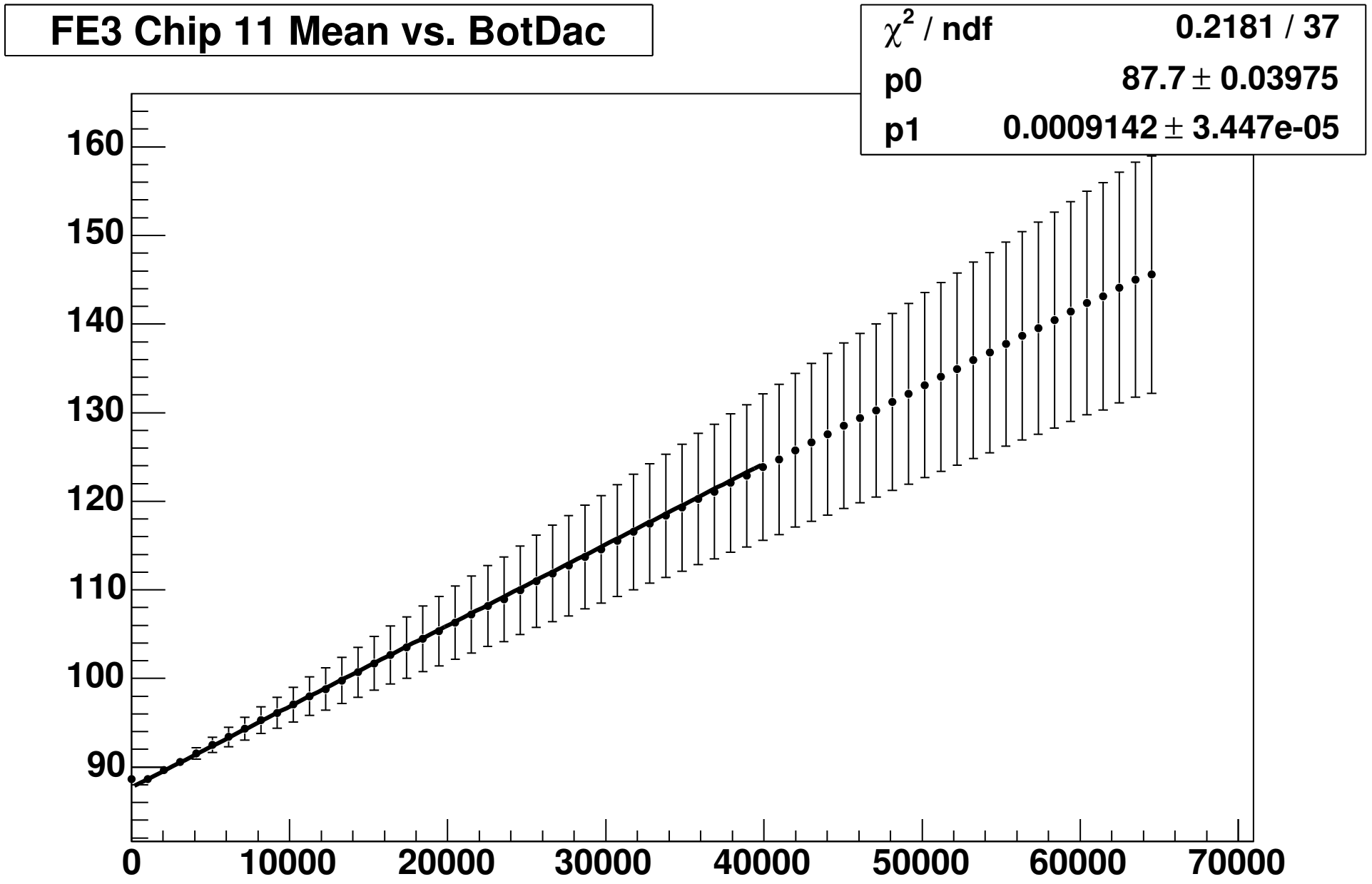
FE3 Chip 11 Mean vs. BotDac
χ² / ndf 0.2181 / 37
p0 87.7 ± 0.03975
p1 0.0009142 ± 3.447e-05
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130
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110
100
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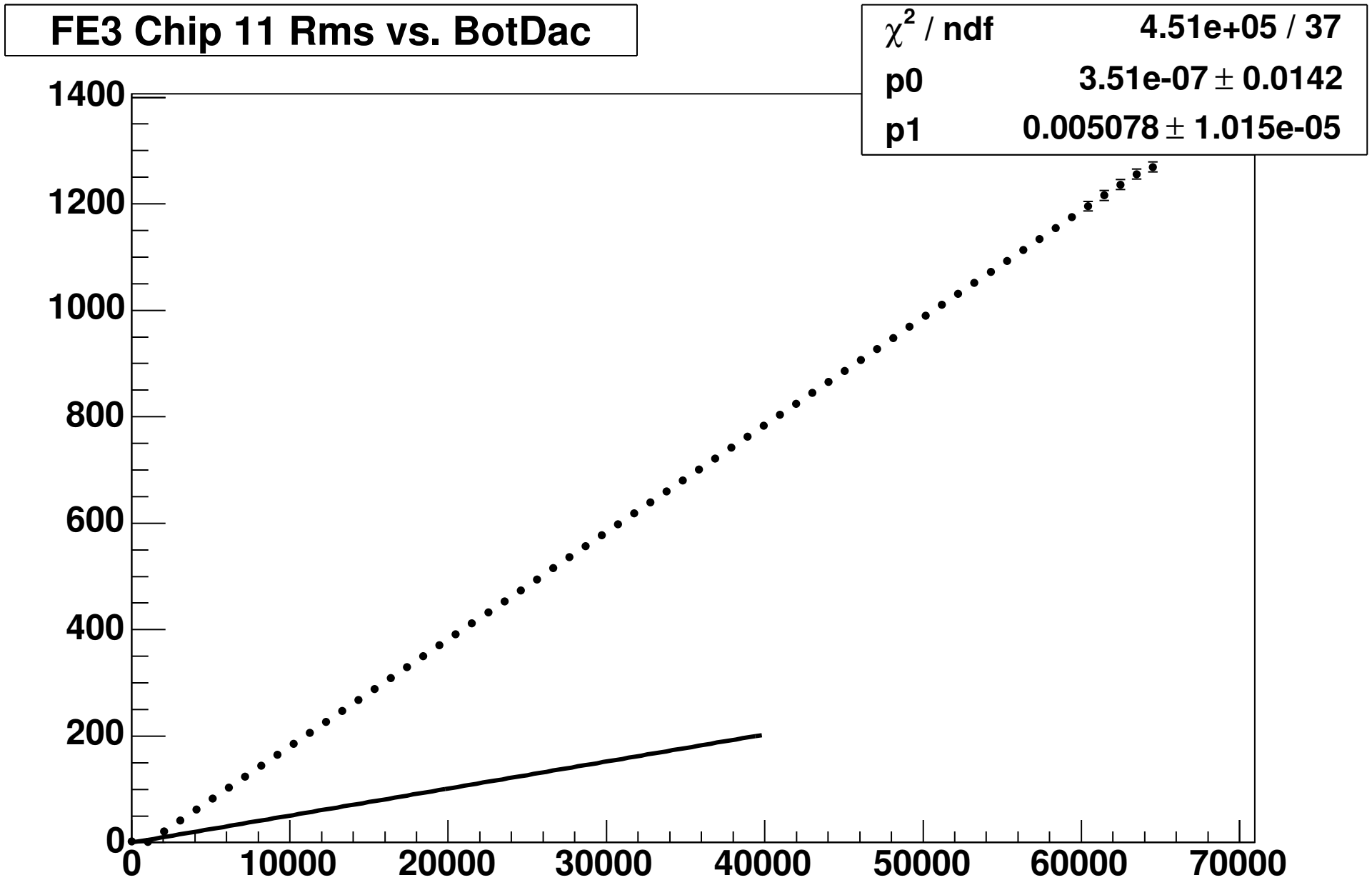
FE3 Chip 11 Rms vs. BotDac
χ² / ndf 4.51e+05 / 37
p0 3.51e-07 ± 0.0142
p1 0.005078 ± 1.015e-05
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800
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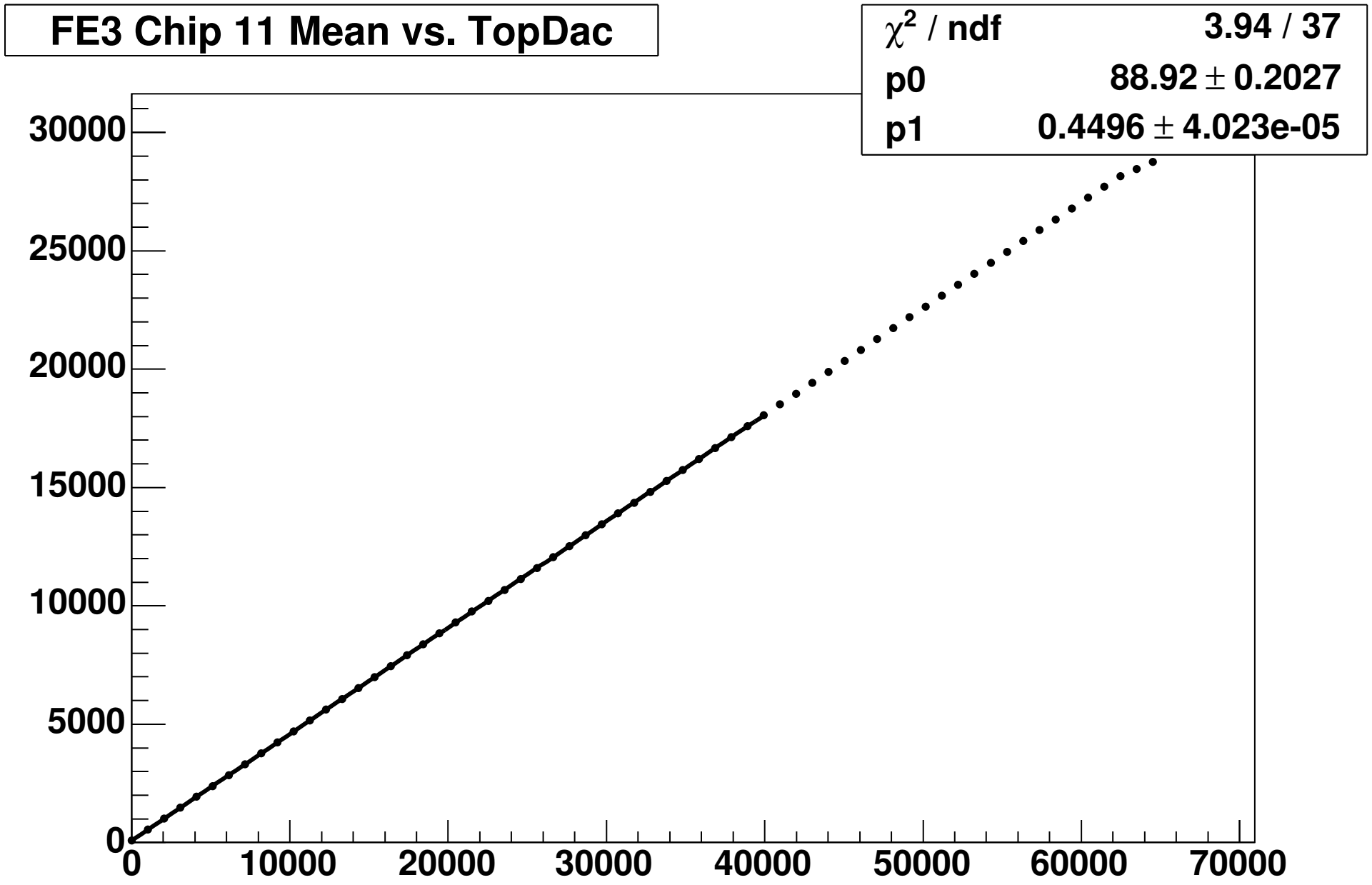
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 3.94 / 37
p0 88.92 ± 0.2027
p1 0.4496 ± 4.023e-05
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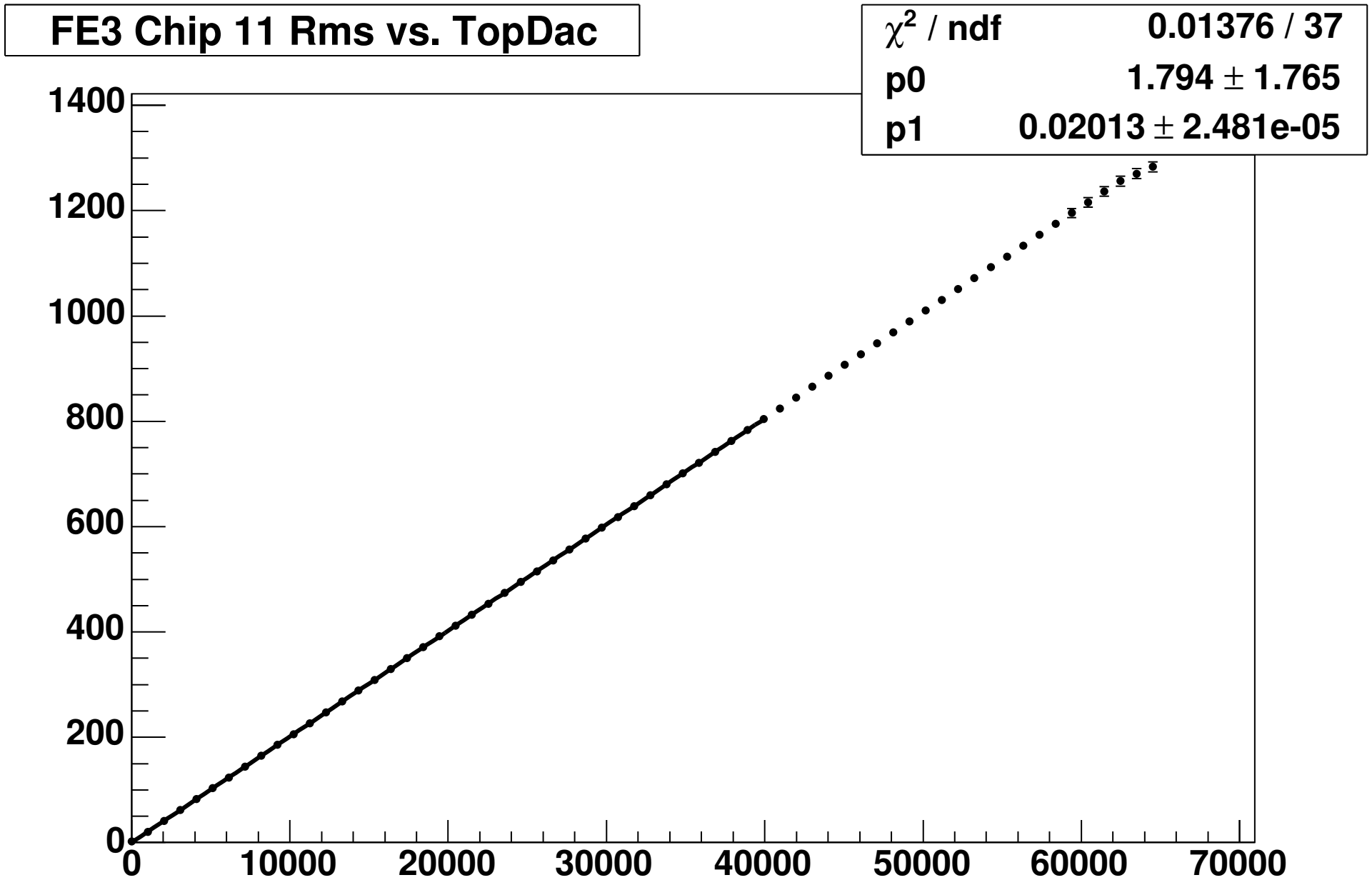
FE3 Chip 11 Rms vs. TopDac
χ² / ndf 0.01376 / 37
p0 1.794 ± 1.765
p1 0.02013 ± 2.481e-05
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800
600
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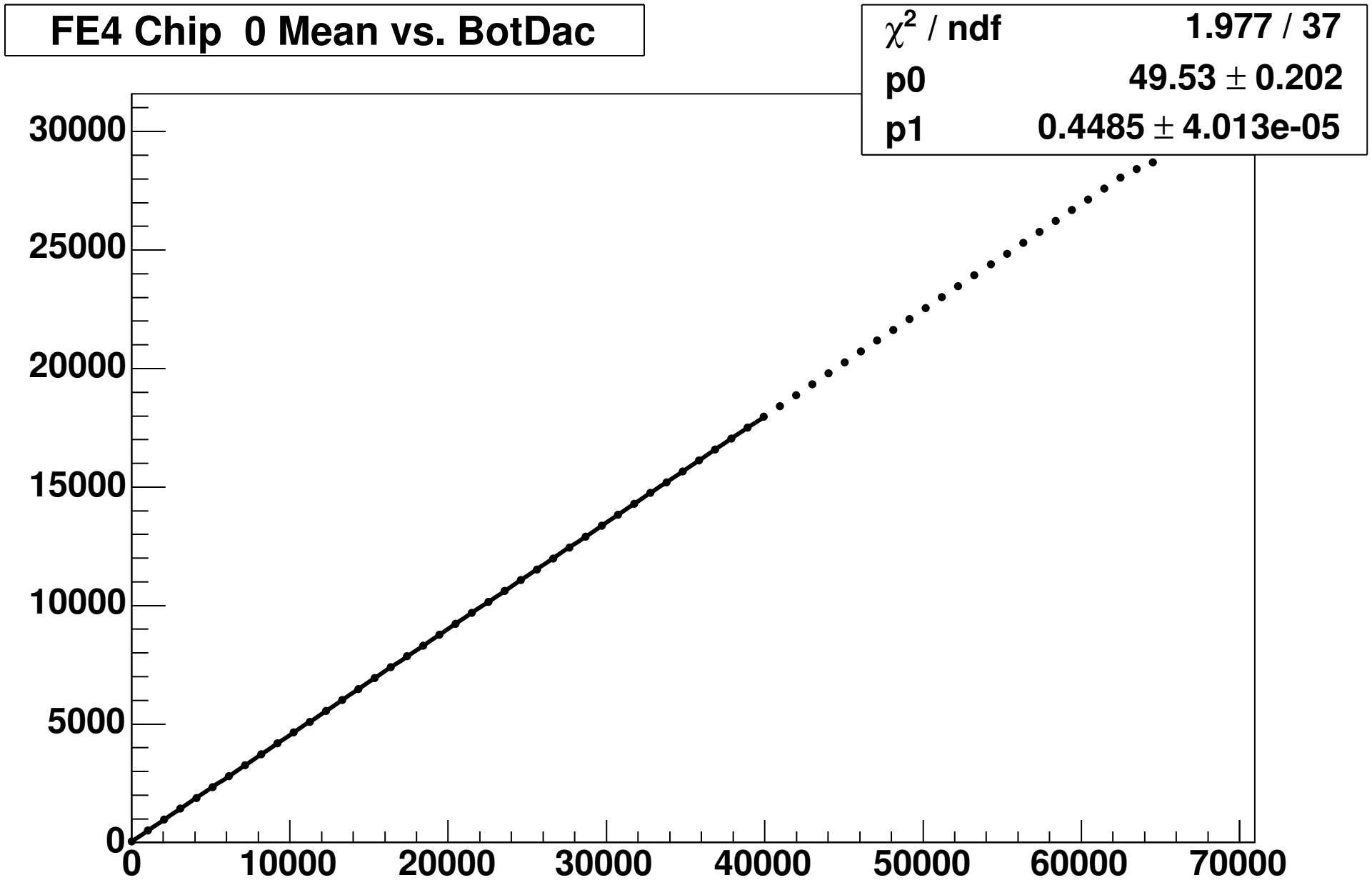
FE4 Chip 0 Mean vs. BotDac
χ² / ndf 1.977 / 37
p0 49.53 ± 0.202
p1 0.4485 ± 4.013e-05
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20000
15000
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5000
0
0
10000
20000
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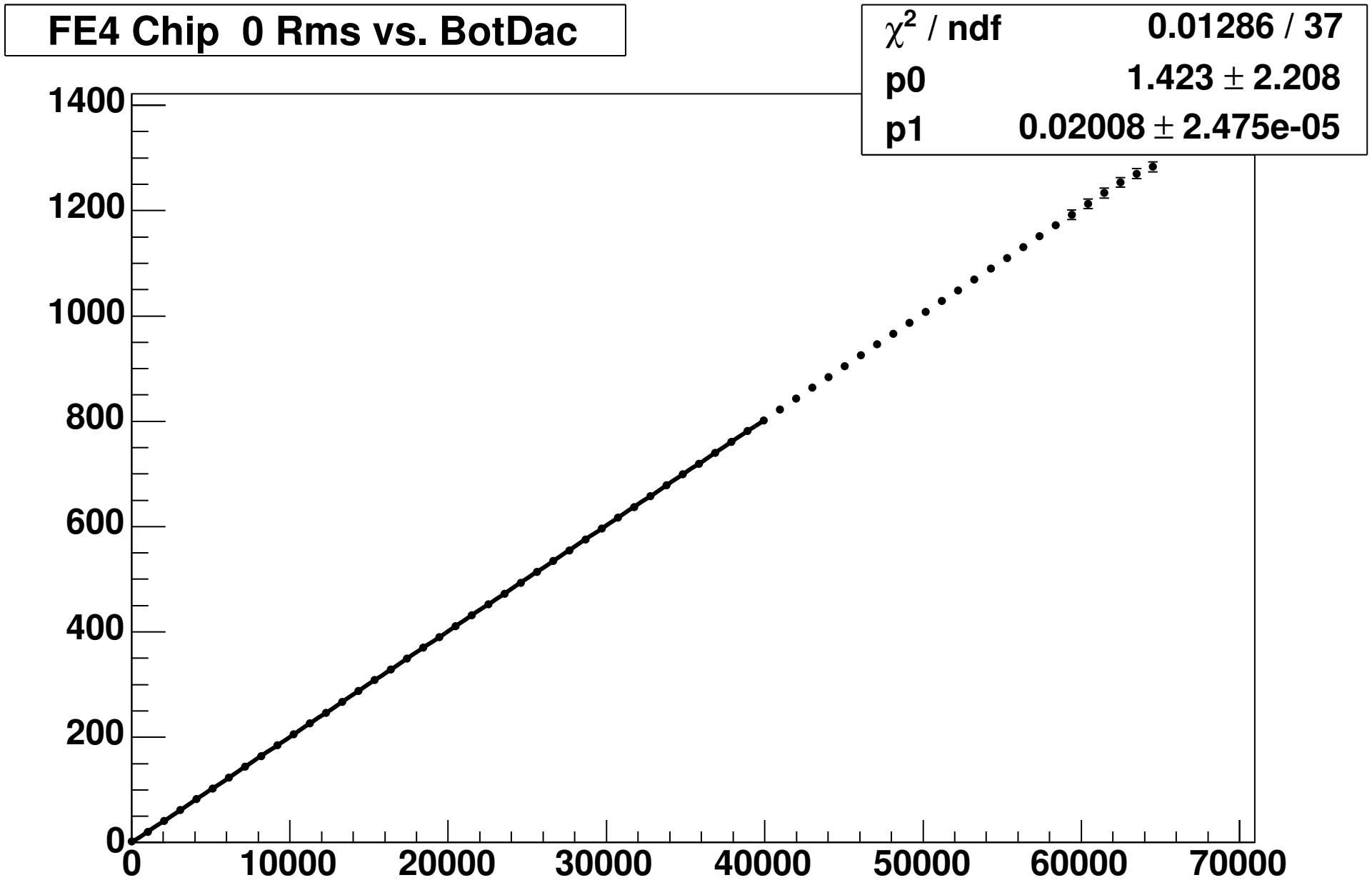
FE4 Chip 0 Rms vs. BotDac
χ² / ndf 0.01286 / 37
p0 1.423 ± 2.208
p1 0.02008 ± 2.475e-05
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1200
1000
800
600
400
200
0
0
10000
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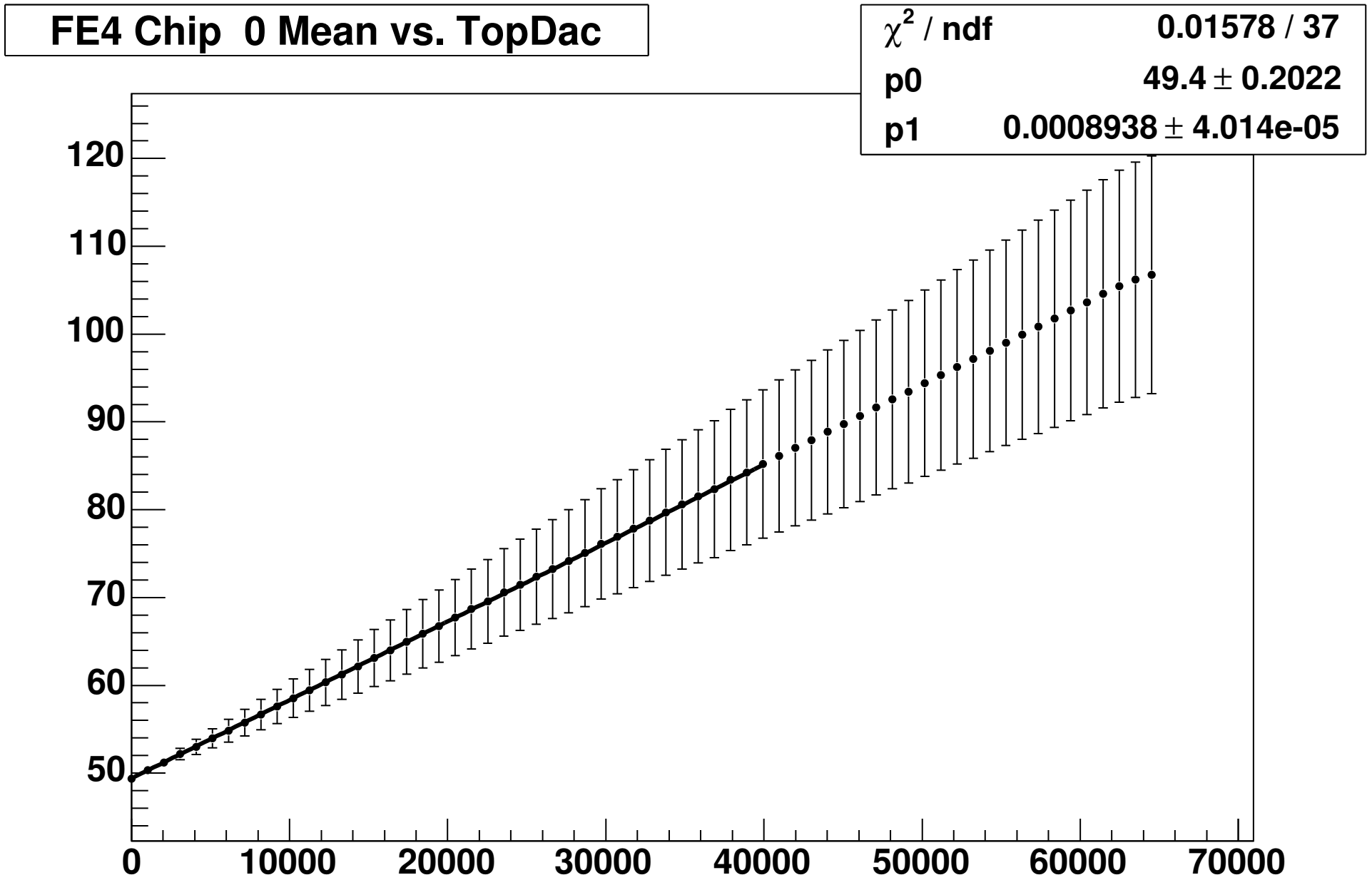
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 0.01578 / 37
p0 49.4 ± 0.2022
p1 0.0008938 ± 4.014e-05
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100
90
80
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50
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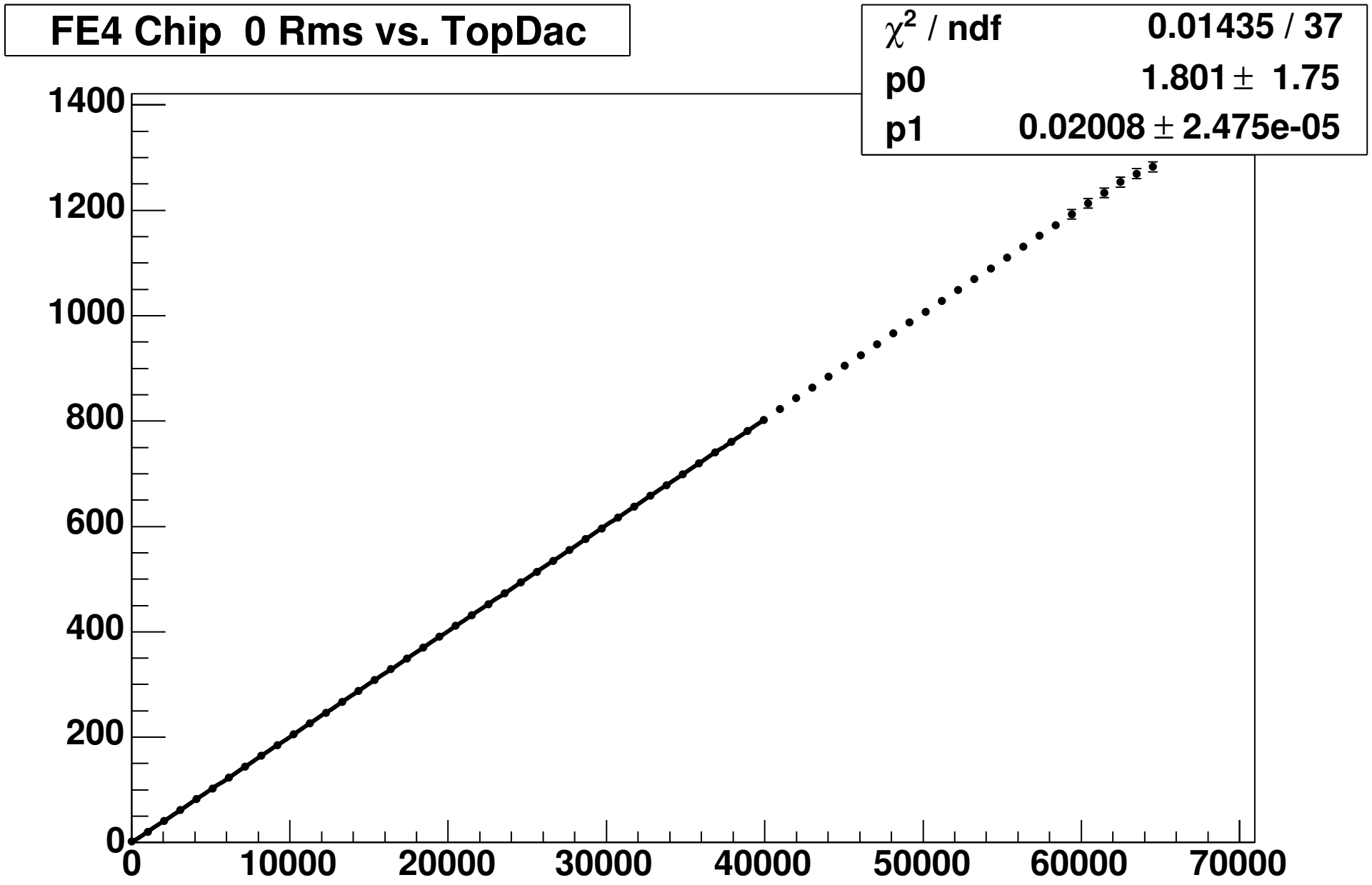
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 0.01435 / 37
p0 1.801 ± 1.75
p1 0.02008 ± 2.475e-05
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1000
800
600
400
200
0
0
10000
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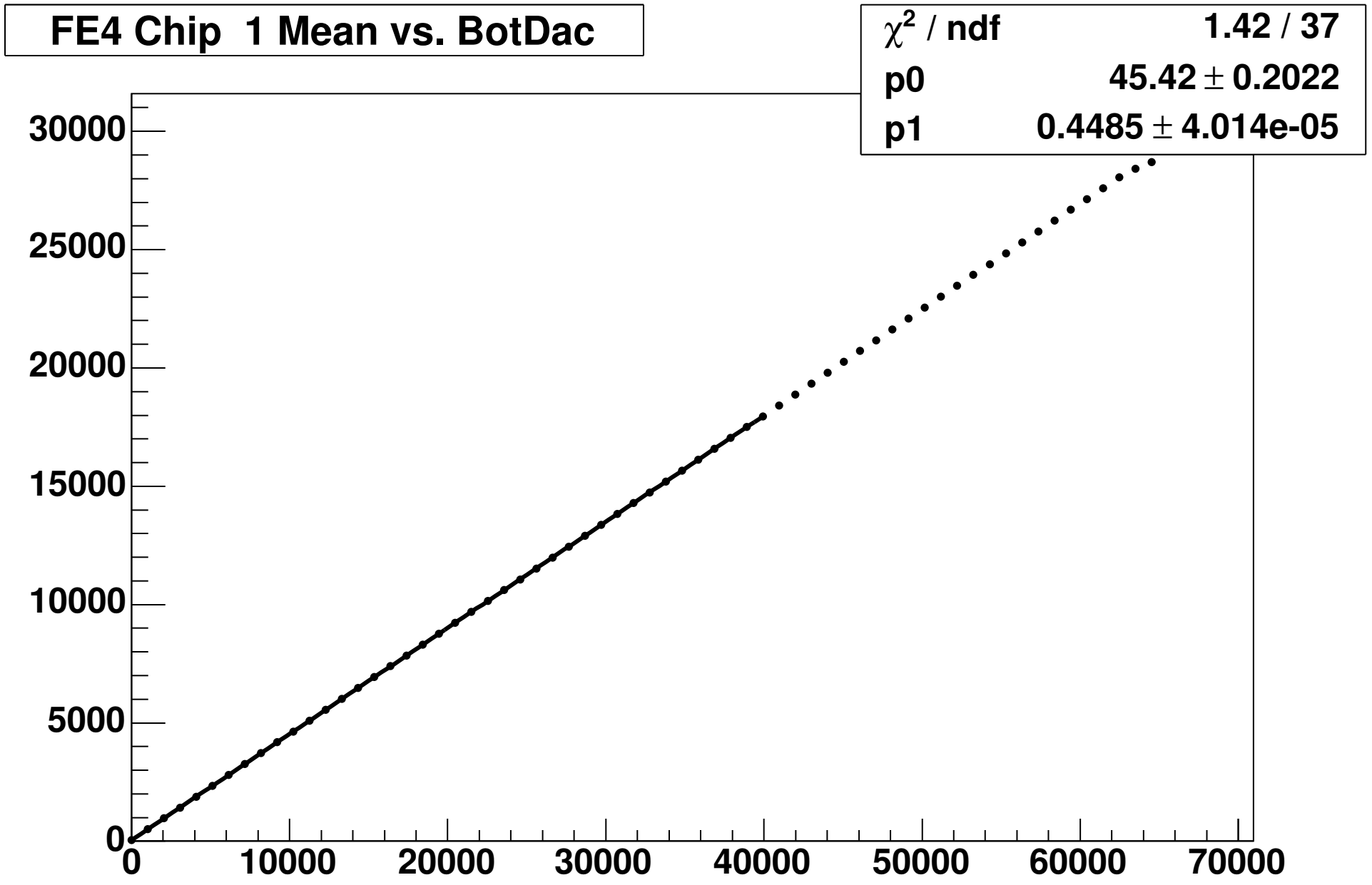
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.42 / 37
p0 45.42 ± 0.2022
p1 0.4485 ± 4.014e-05
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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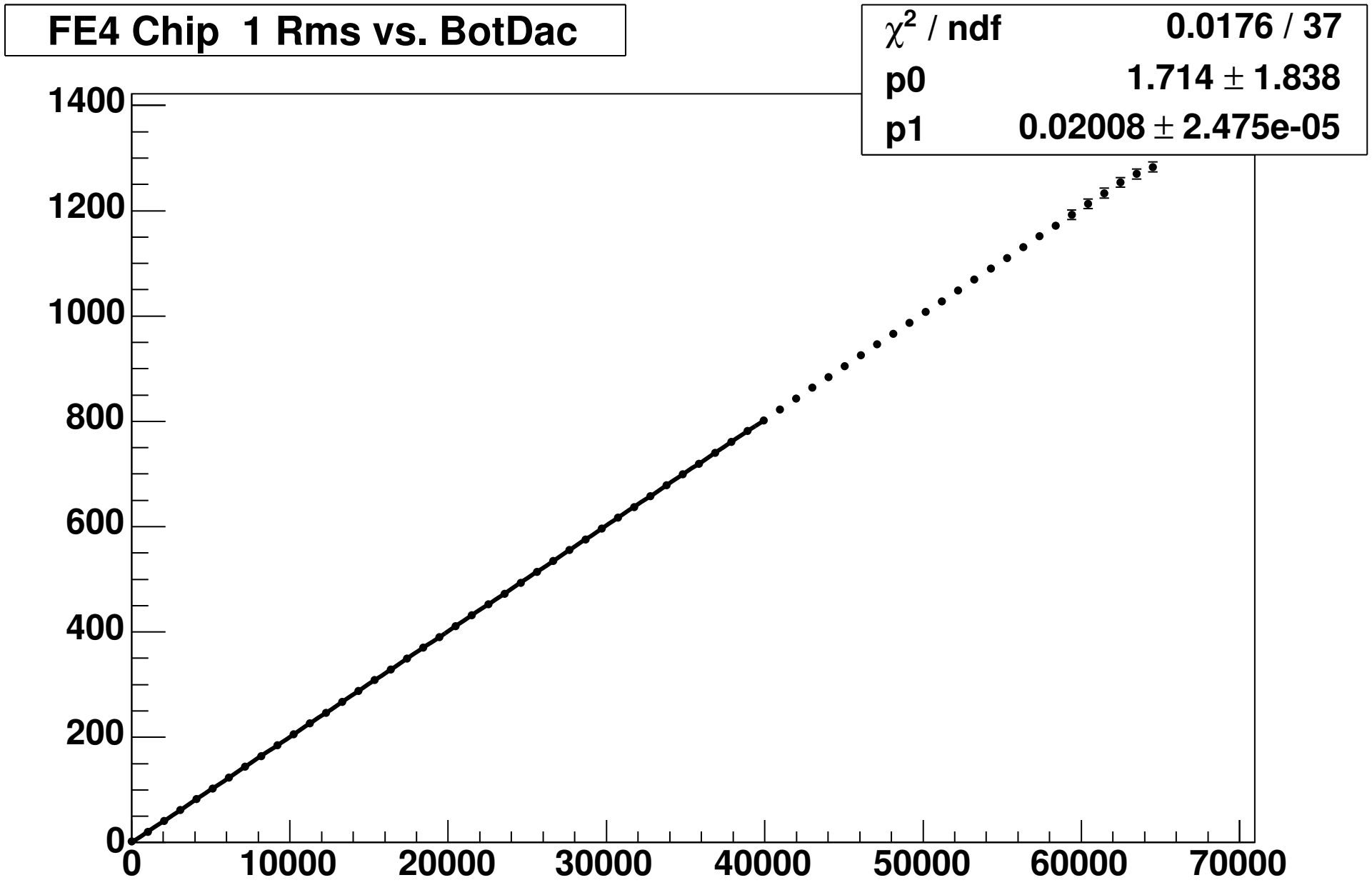
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 0.0176 / 37
p0 1.714 ± 1.838
p1 0.02008 ± 2.475e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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50000
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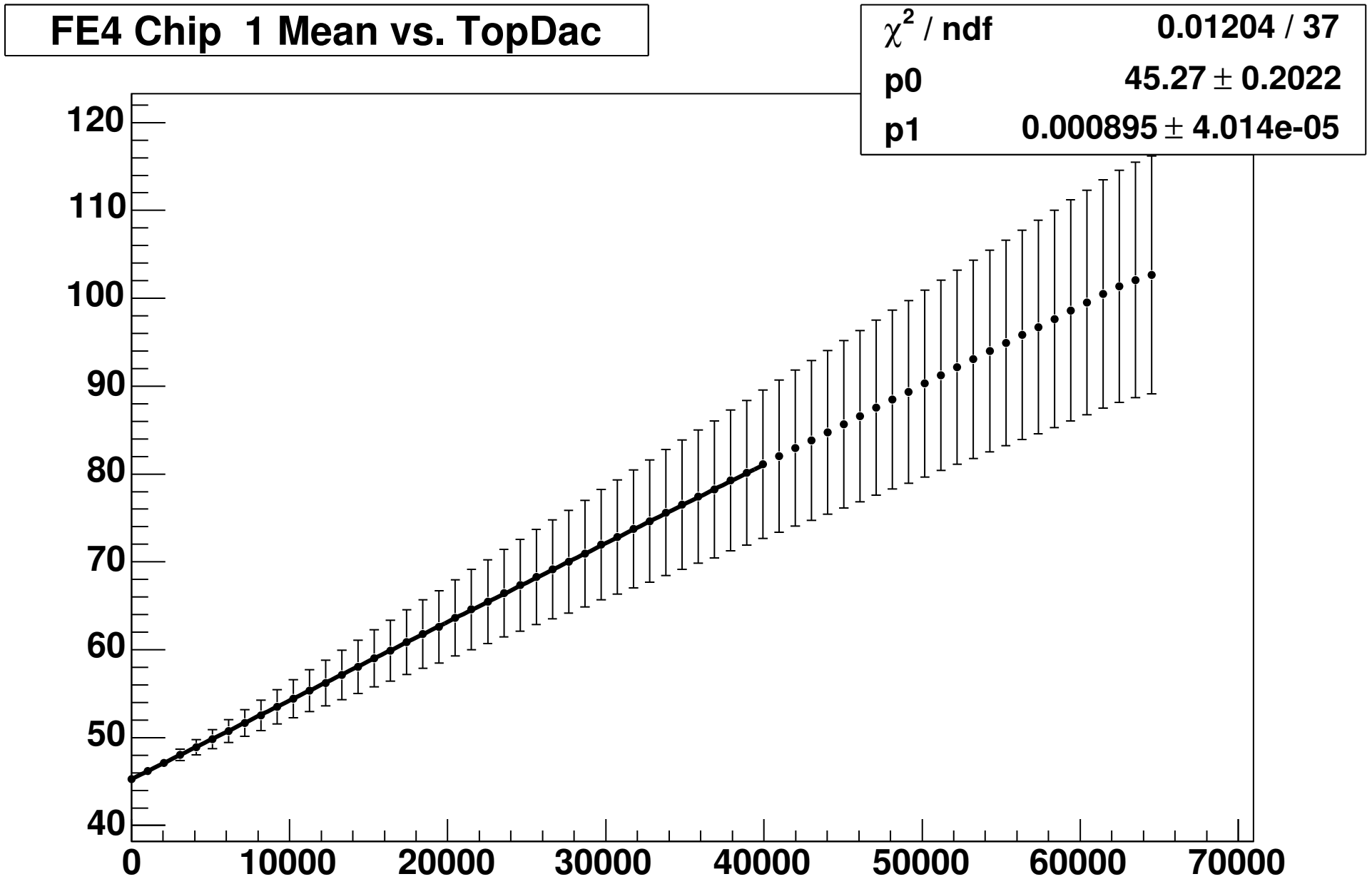
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 0.01204 / 37
p0 45.27 ± 0.2022
p1 0.000895 ± 4.014e-05
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110
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90
80
70
60
50
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0
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20000
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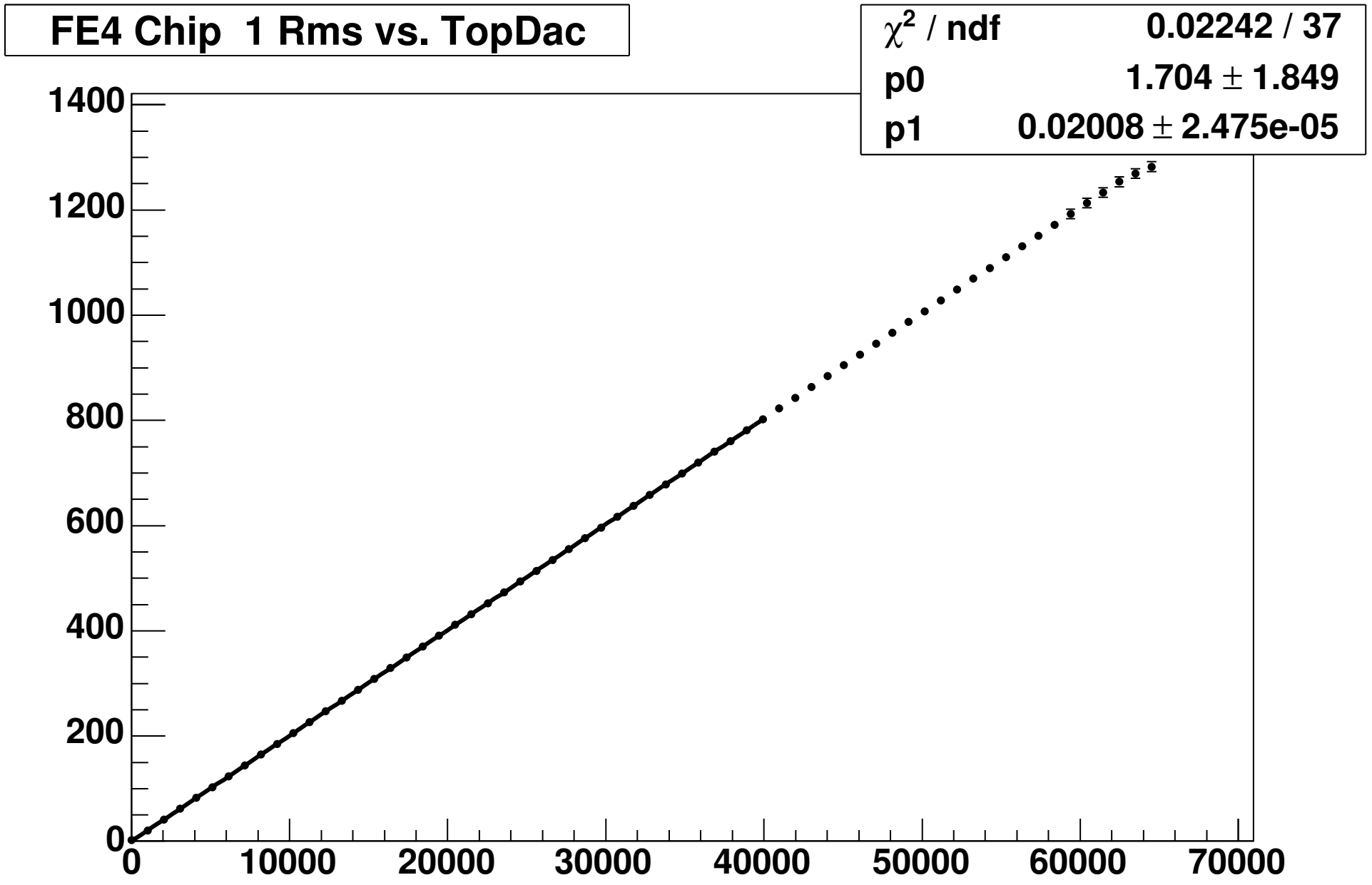
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 0.02242 / 37
p0 1.704 ± 1.849
p1 0.02008 ± 2.475e-05
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1000
800
600
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200
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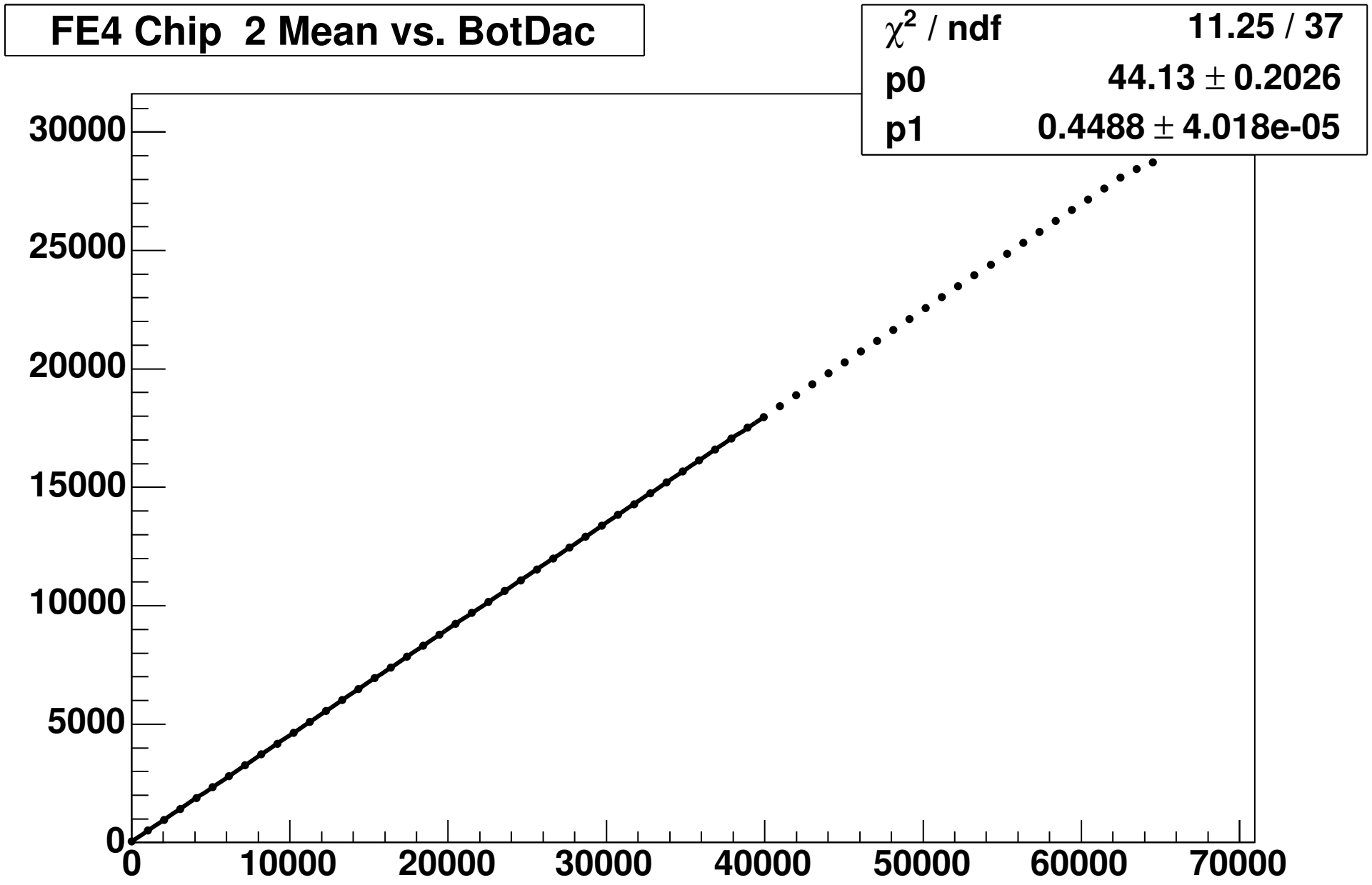
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 11.25 / 37
p0 44.13 ± 0.2026
p1 0.4488 ± 4.018e-05
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15000
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5000
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20000
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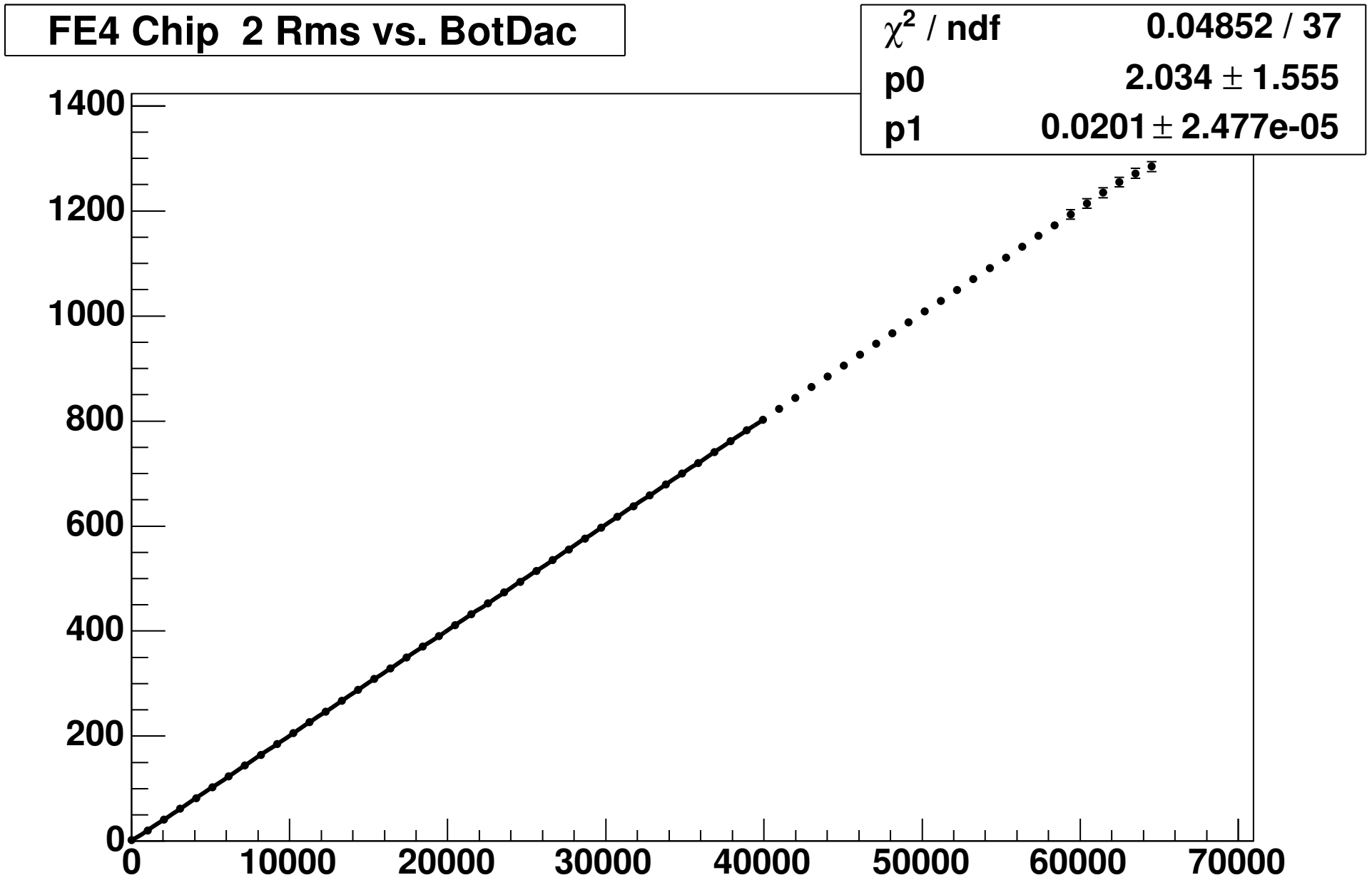
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 0.04852 / 37
p0 2.034 ± 1.555
p1 0.0201 ± 2.477e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
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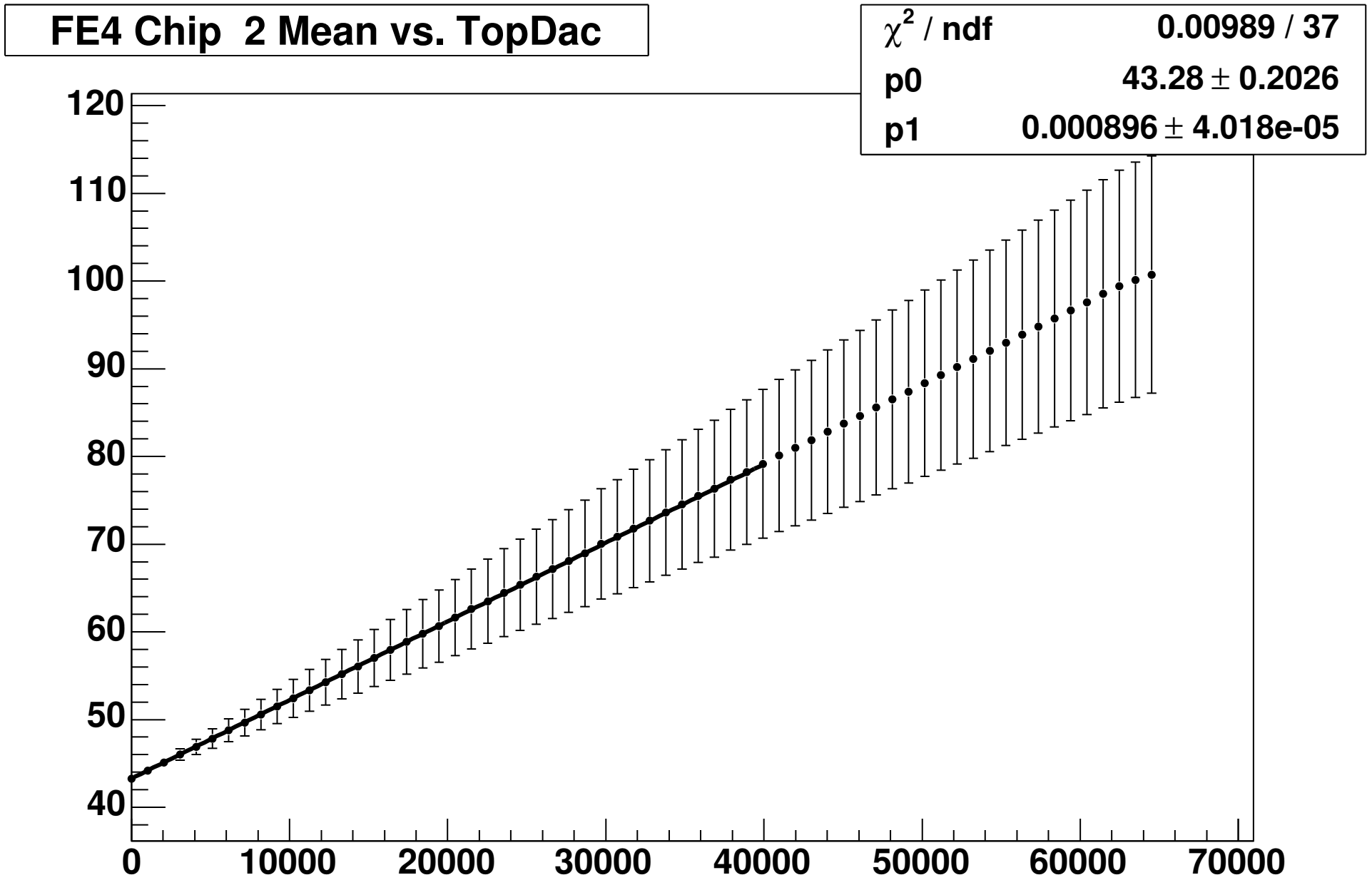
60000
70000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 0.00989 / 37
p0 43.28 ± 0.2026
p1 0.000896 ± 4.018e-05
120
110
100
90
80
70
60
50
40
0
10000
20000
30000
40000
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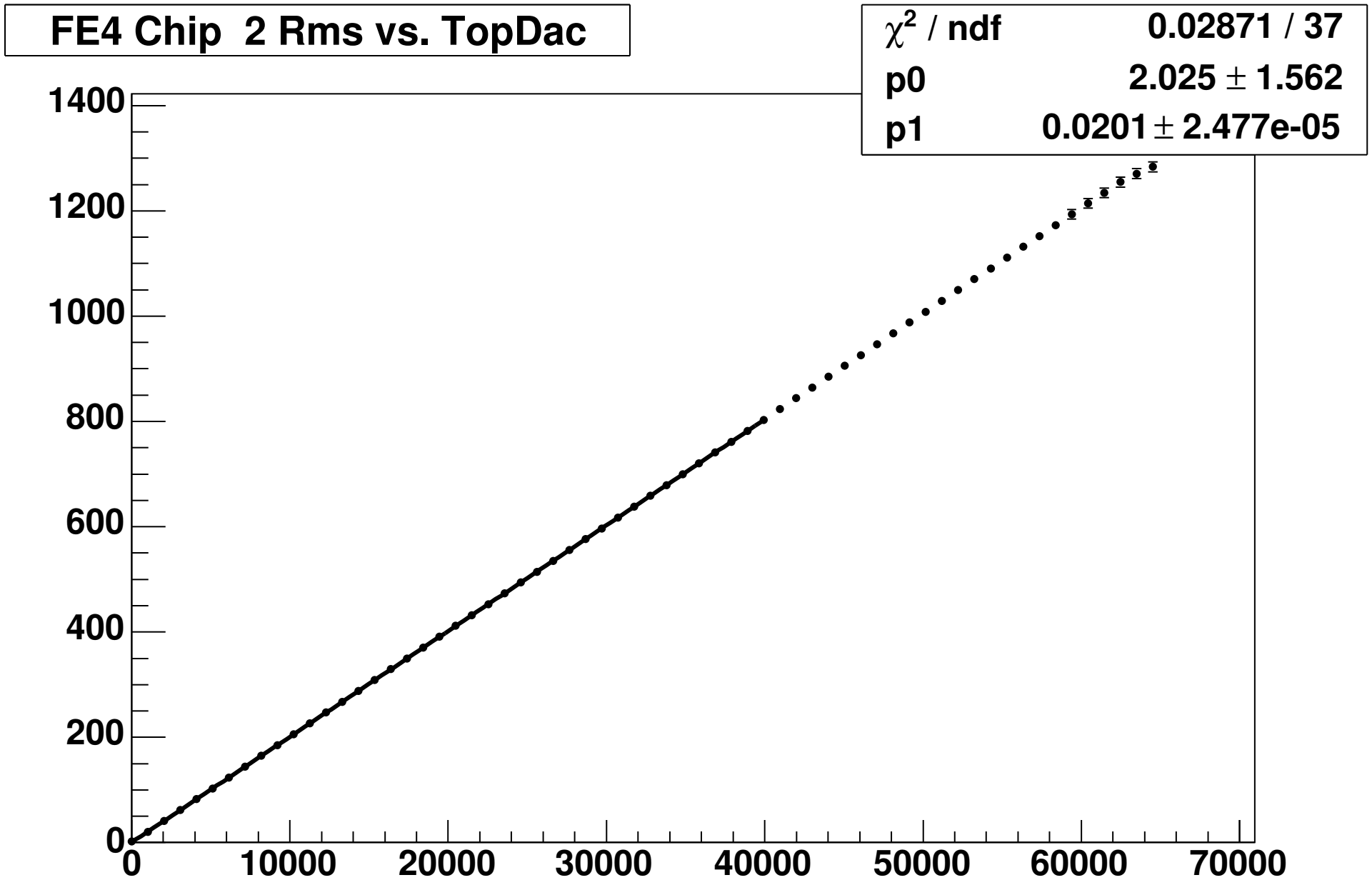
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 0.02871 / 37
p0 2.025 ± 1.562
p1 0.0201 ± 2.477e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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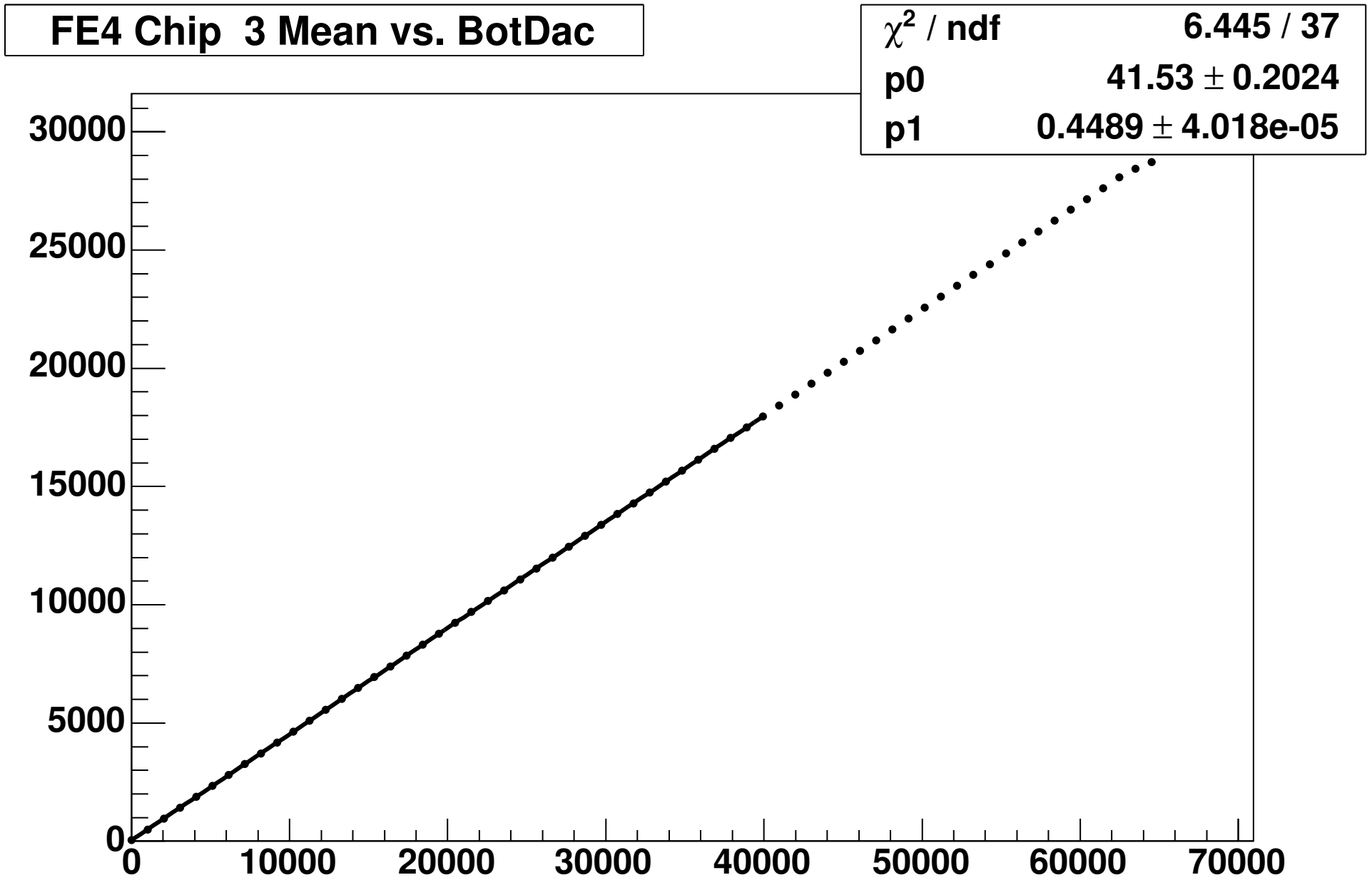
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 6.445 / 37
p0 41.53 ± 0.2024
p1 0.4489 ± 4.018e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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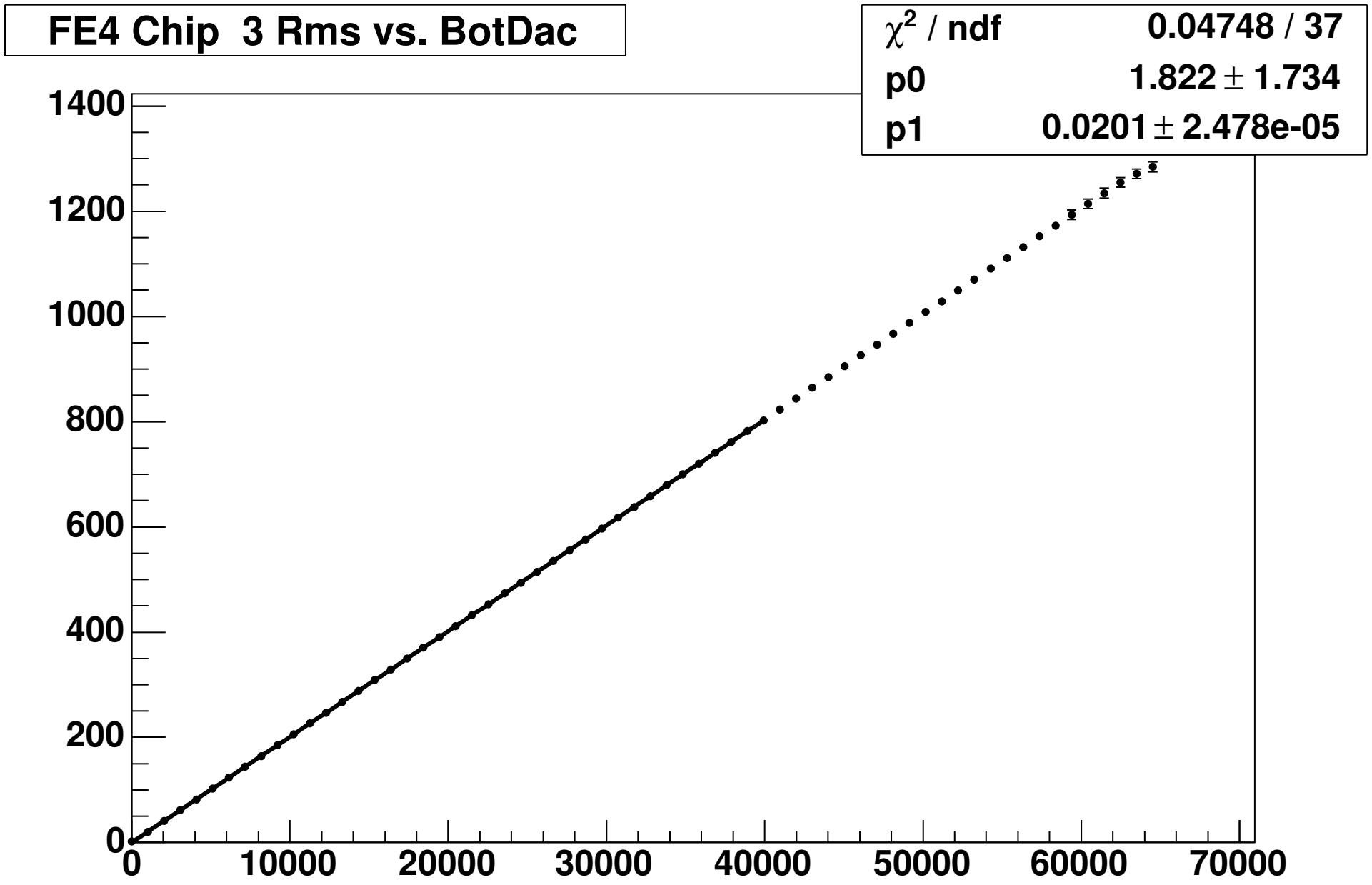
FE4 Chip 3 Rms vs. BotDac
χ² / ndf 0.04748 / 37
p0 1.822 ± 1.734
p1 0.0201 ± 2.478e-05
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1200
1000
800
600
400
200
0
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10000
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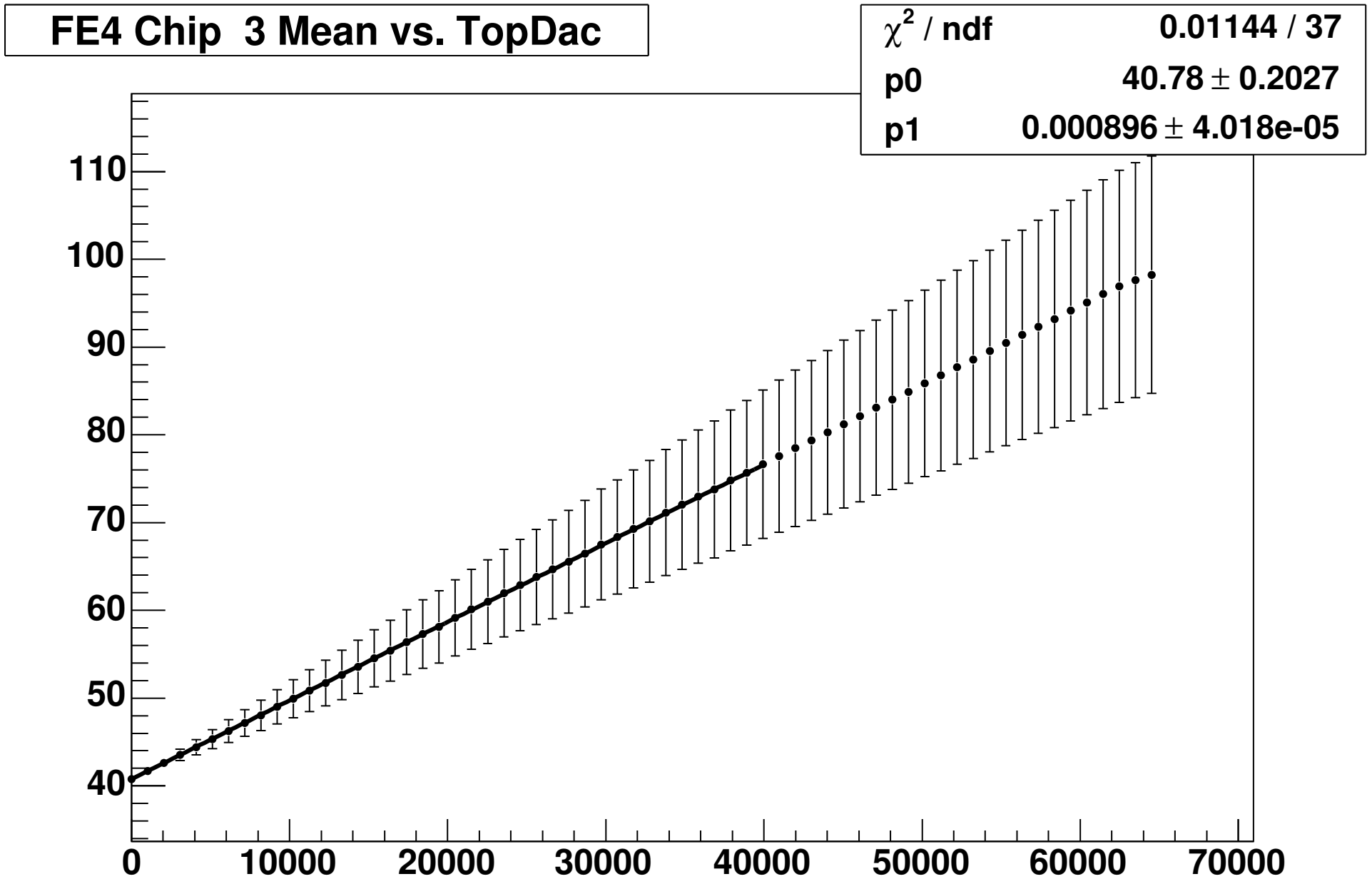
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 0.01144 / 37
p0 40.78 ± 0.2027
p1 0.000896 ± 4.018e-05
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100
90
80
70
60
50
40
0
10000
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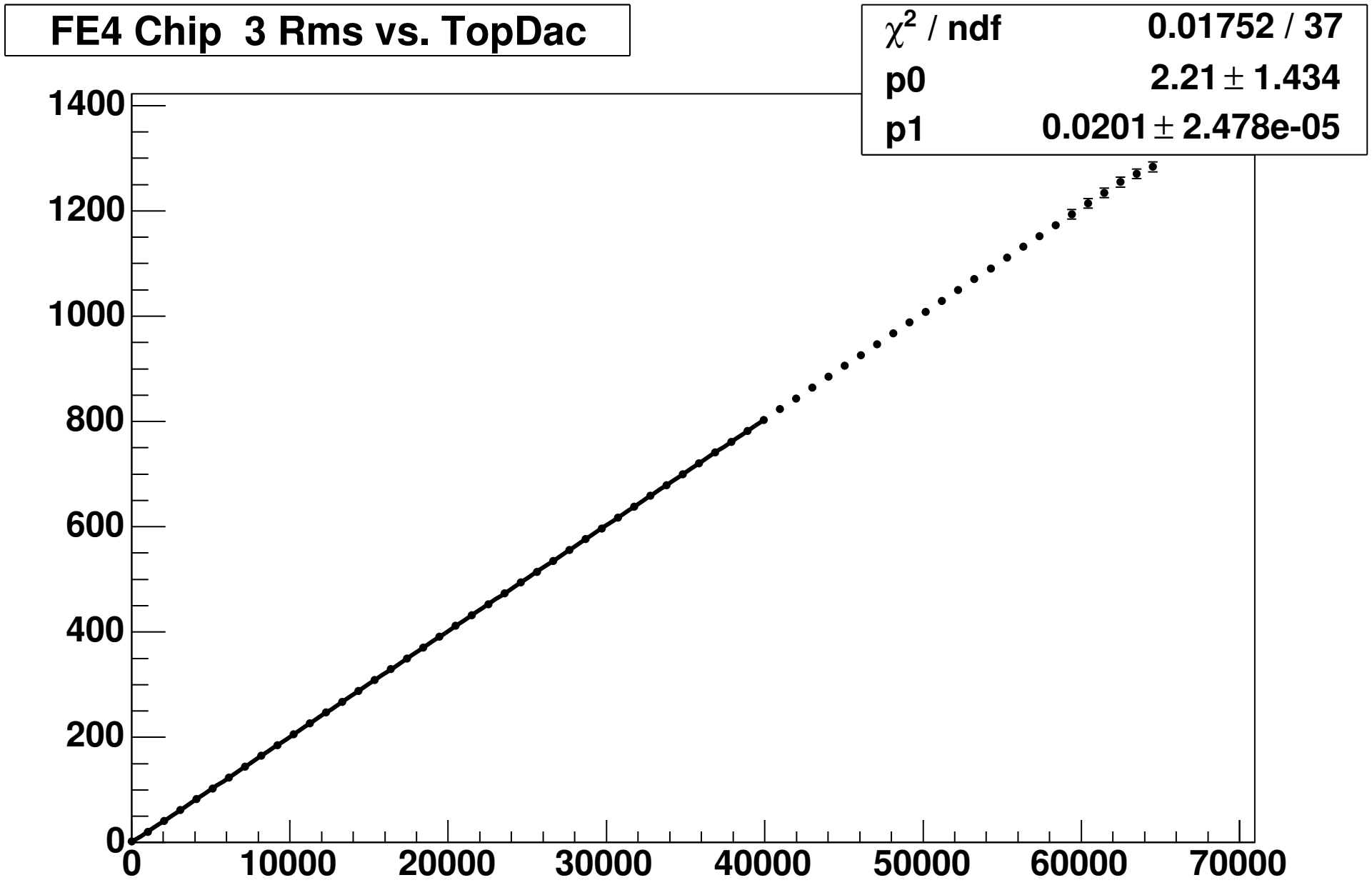
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 0.01752 / 37
p0 2.21 ± 1.434
p1 0.0201 ± 2.478e-05
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1000
800
600
400
200
0
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10000
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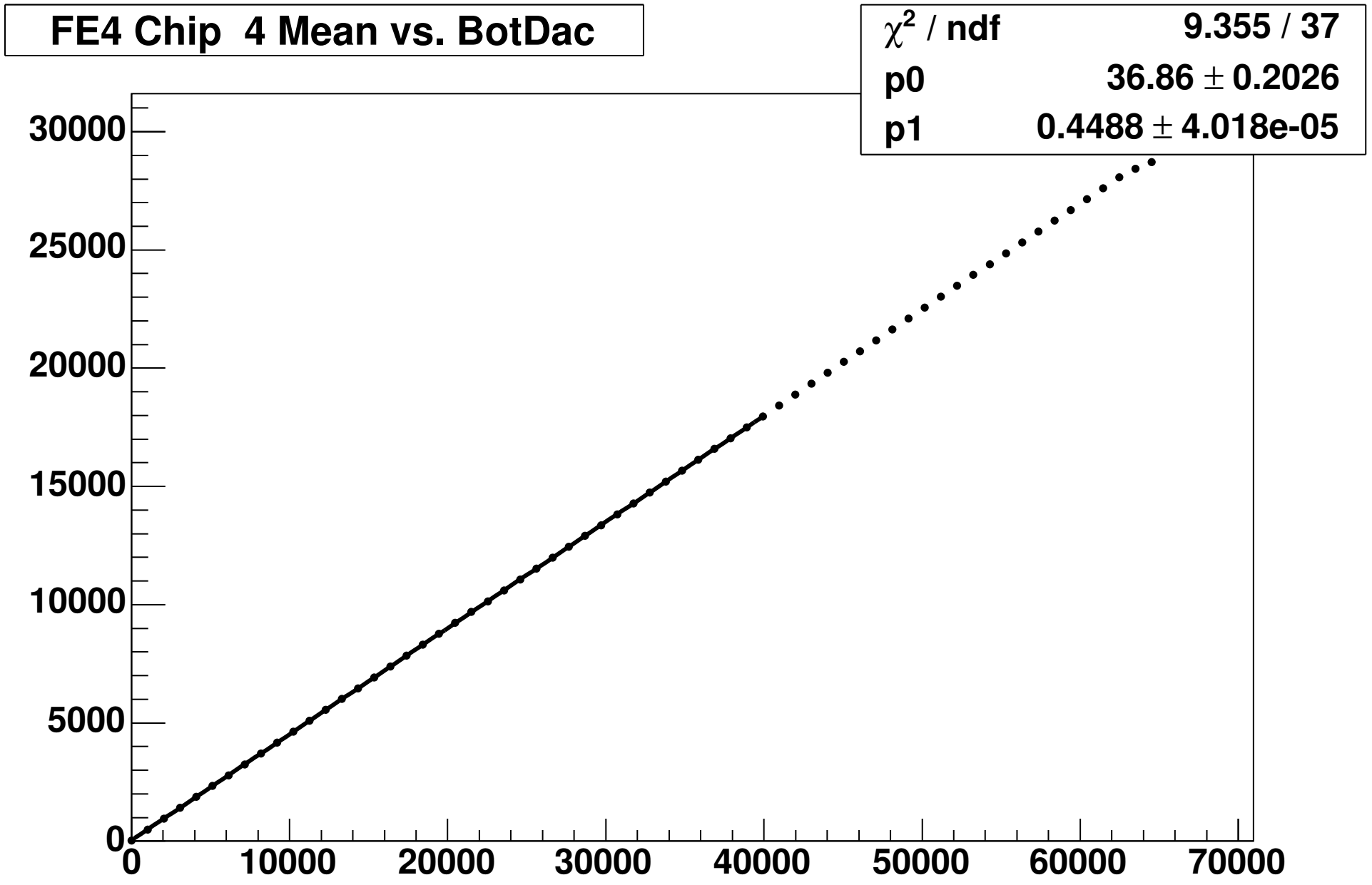
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 9.355 / 37
p0 36.86 ± 0.2026
p1 0.4488 ± 4.018e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
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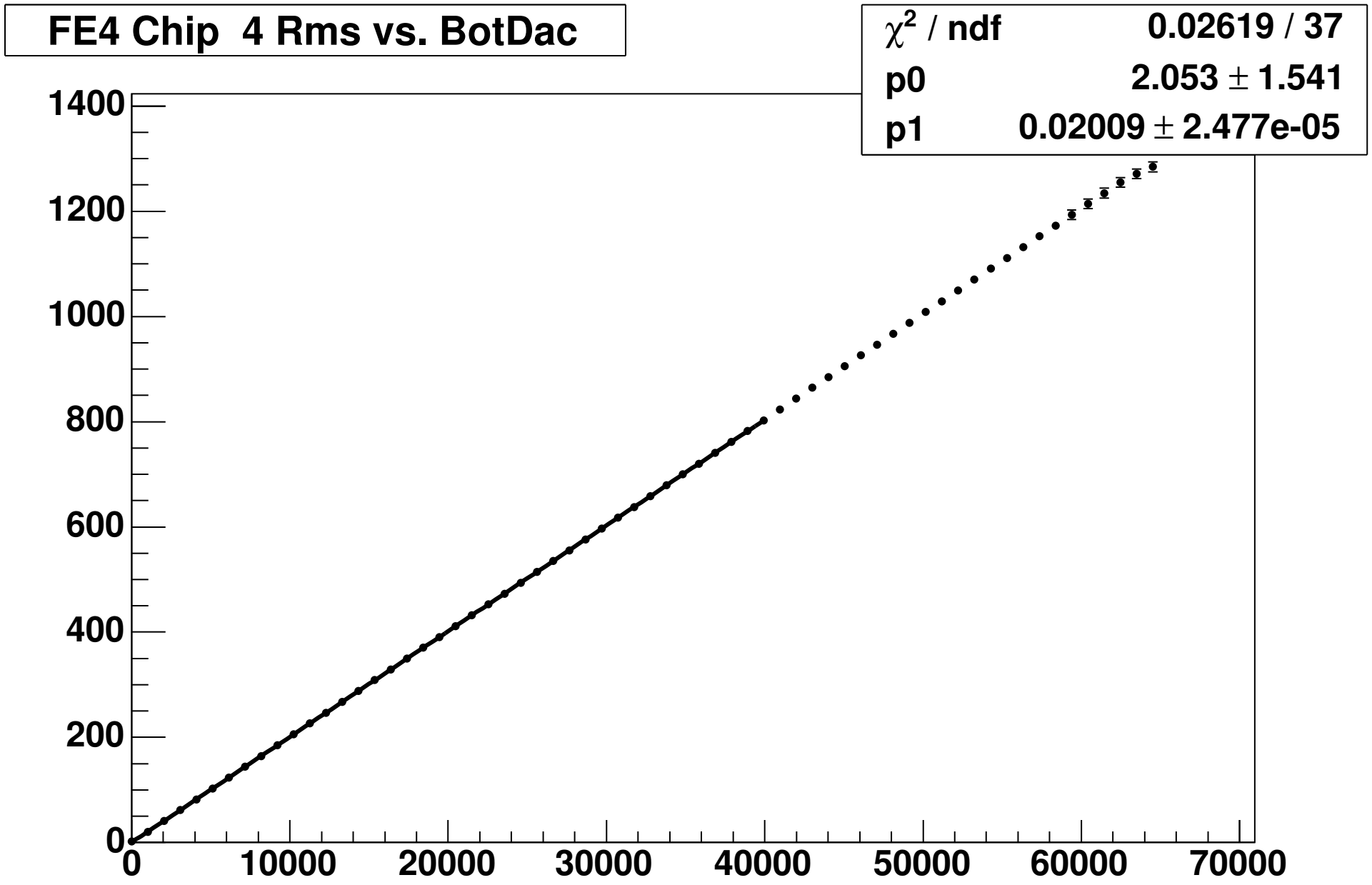
FE4 Chip 4 Rms vs. BotDac
χ² / ndf 0.02619 / 37
p0 2.053 ± 1.541
p1 0.02009 ± 2.477e-05
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1200
1000
800
600
400
200
0
0
10000
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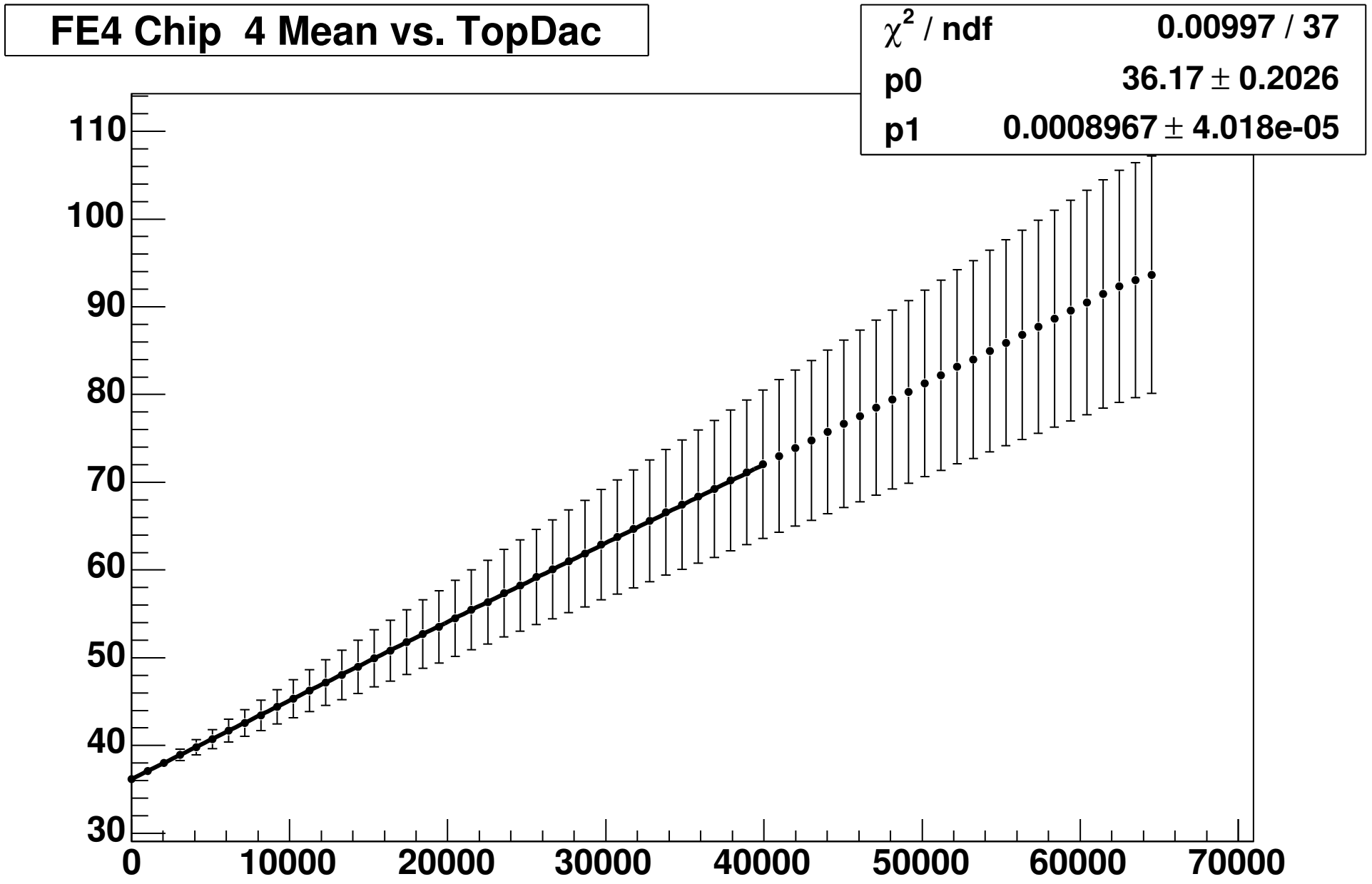
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 0.00997 / 37
p0 36.17 ± 0.2026
p1 0.0008967 ± 4.018e-05
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100
90
80
70
60
50
40
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0
10000
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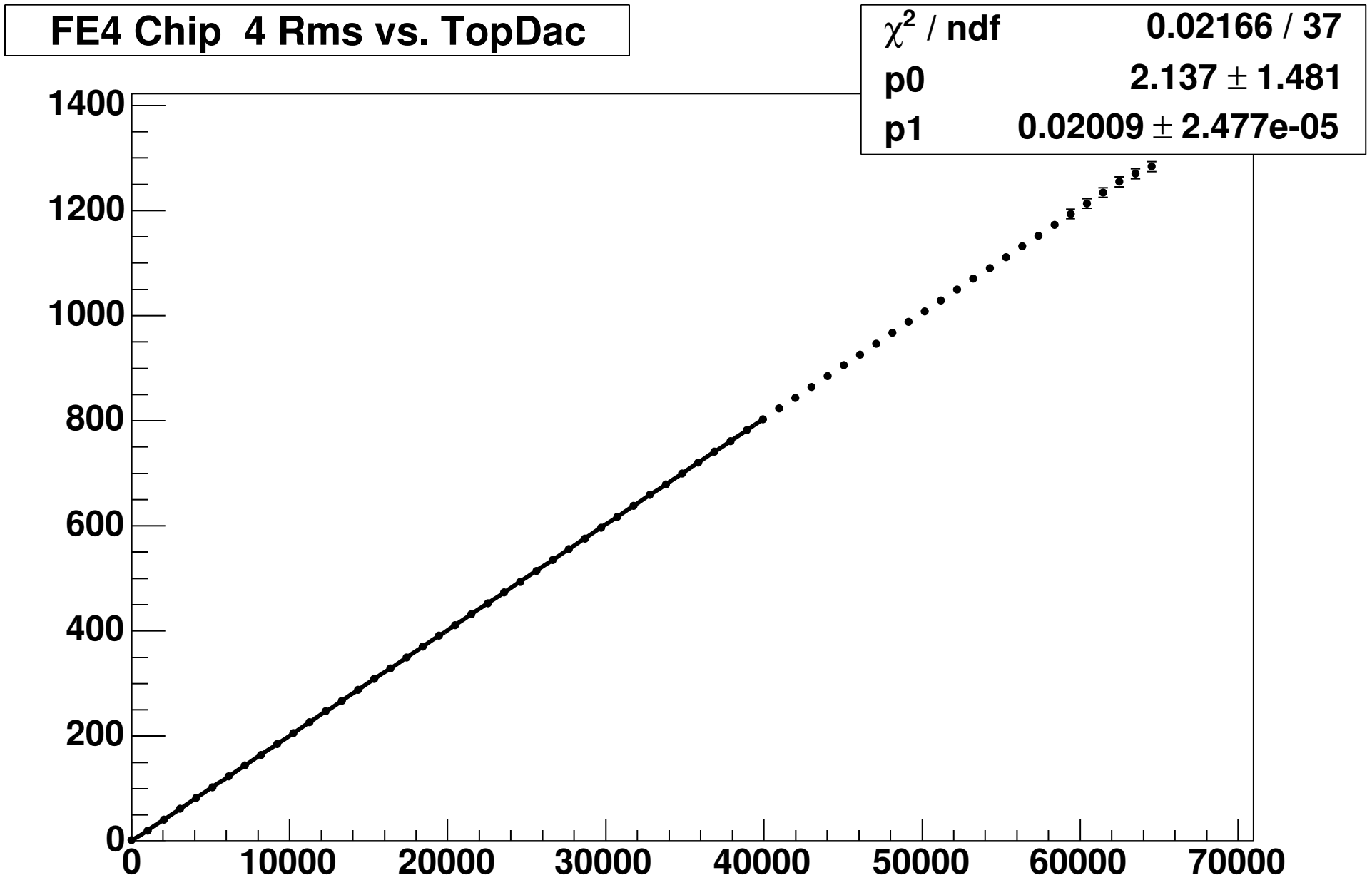
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 0.02166 / 37
p0 2.137 ± 1.481
p1 0.02009 ± 2.477e-05
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1000
800
600
400
200
0
0
10000
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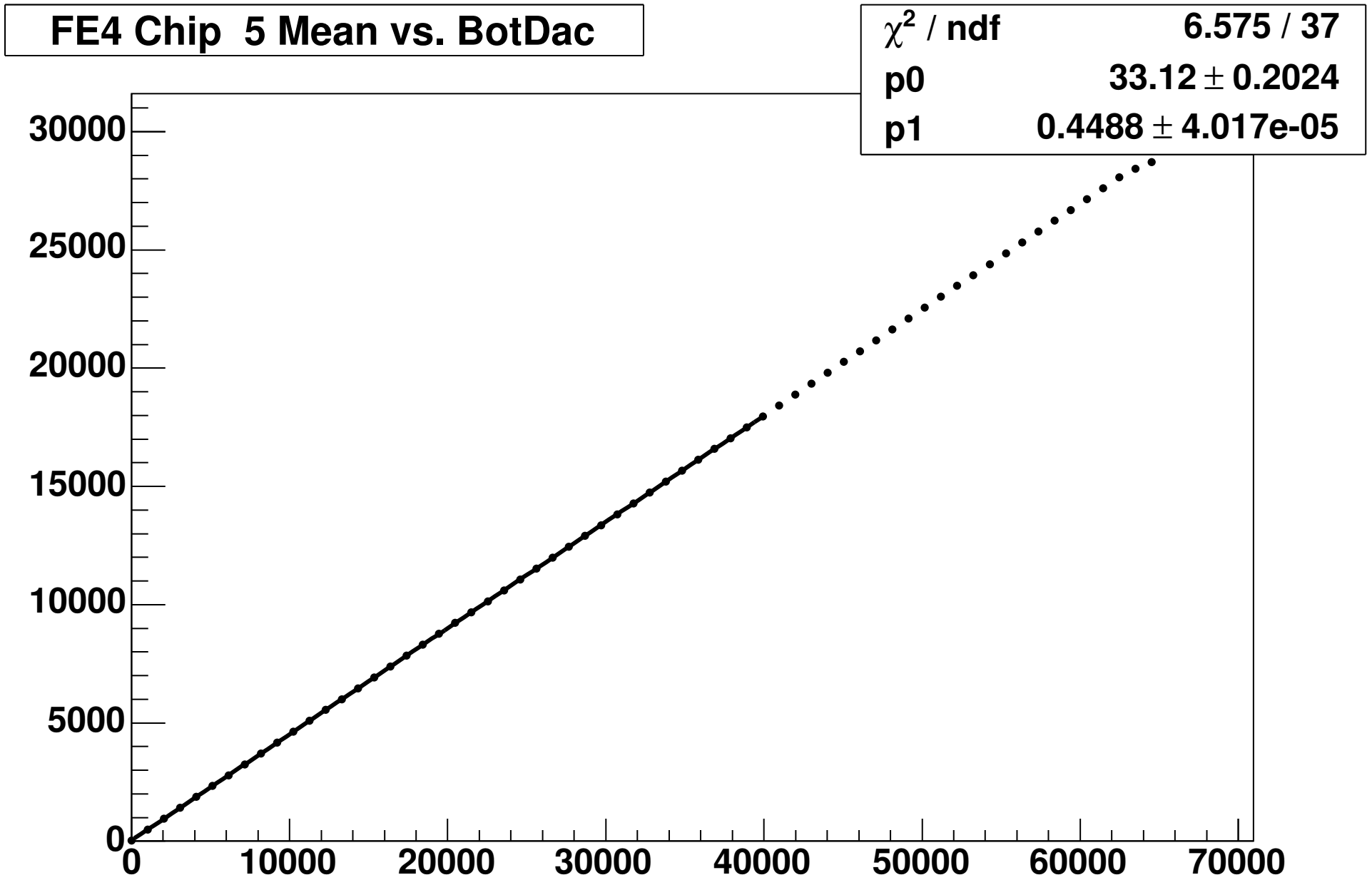
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 6.575 / 37
p0 33.12 ± 0.2024
p1 0.4488 ± 4.017e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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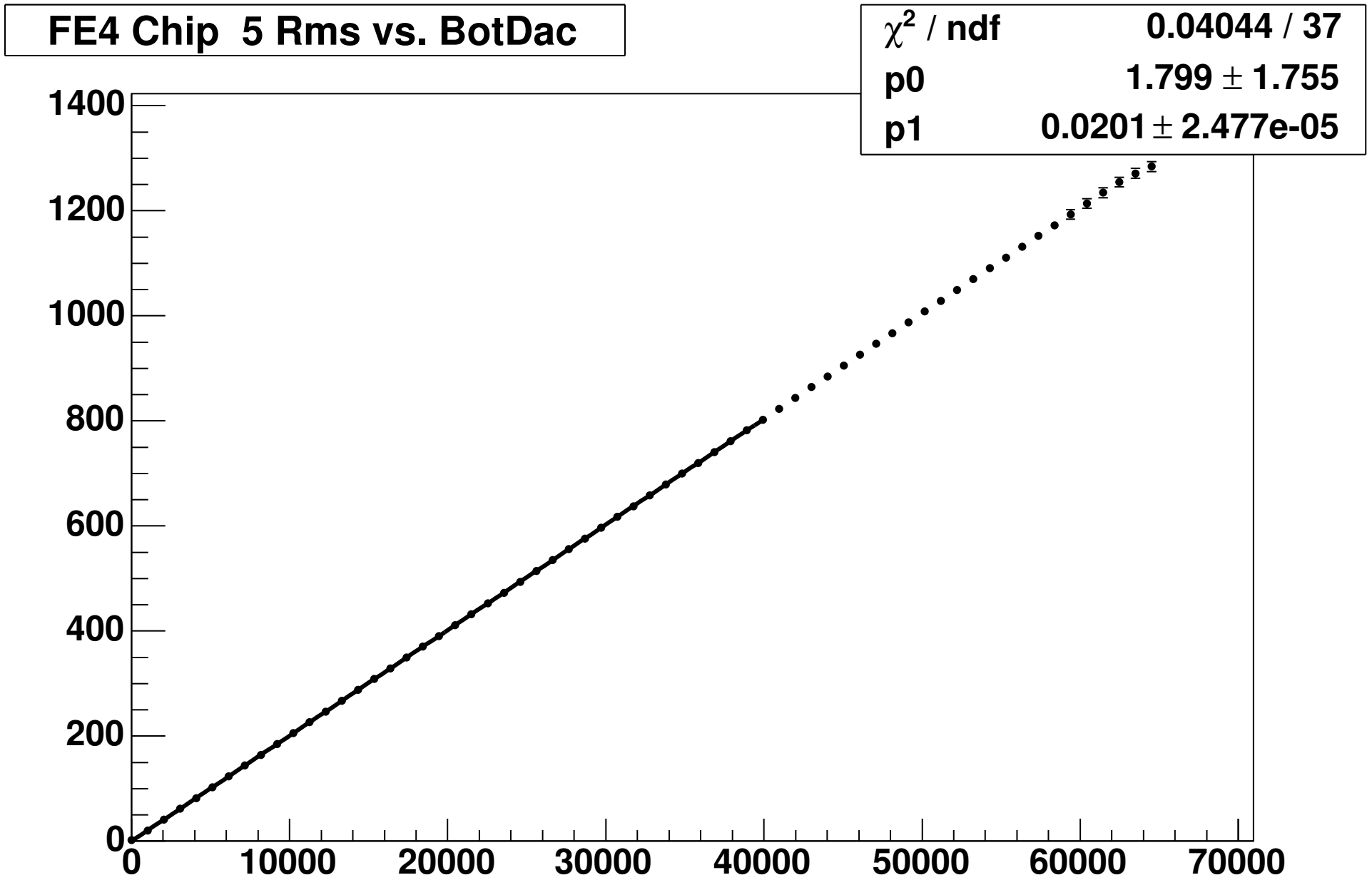
FE4 Chip 5 Rms vs. BotDac
χ² / ndf 0.04044 / 37
p0 1.799 ± 1.755
p1 0.0201 ± 2.477e-05
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1000
800
600
400
200
0
0
10000
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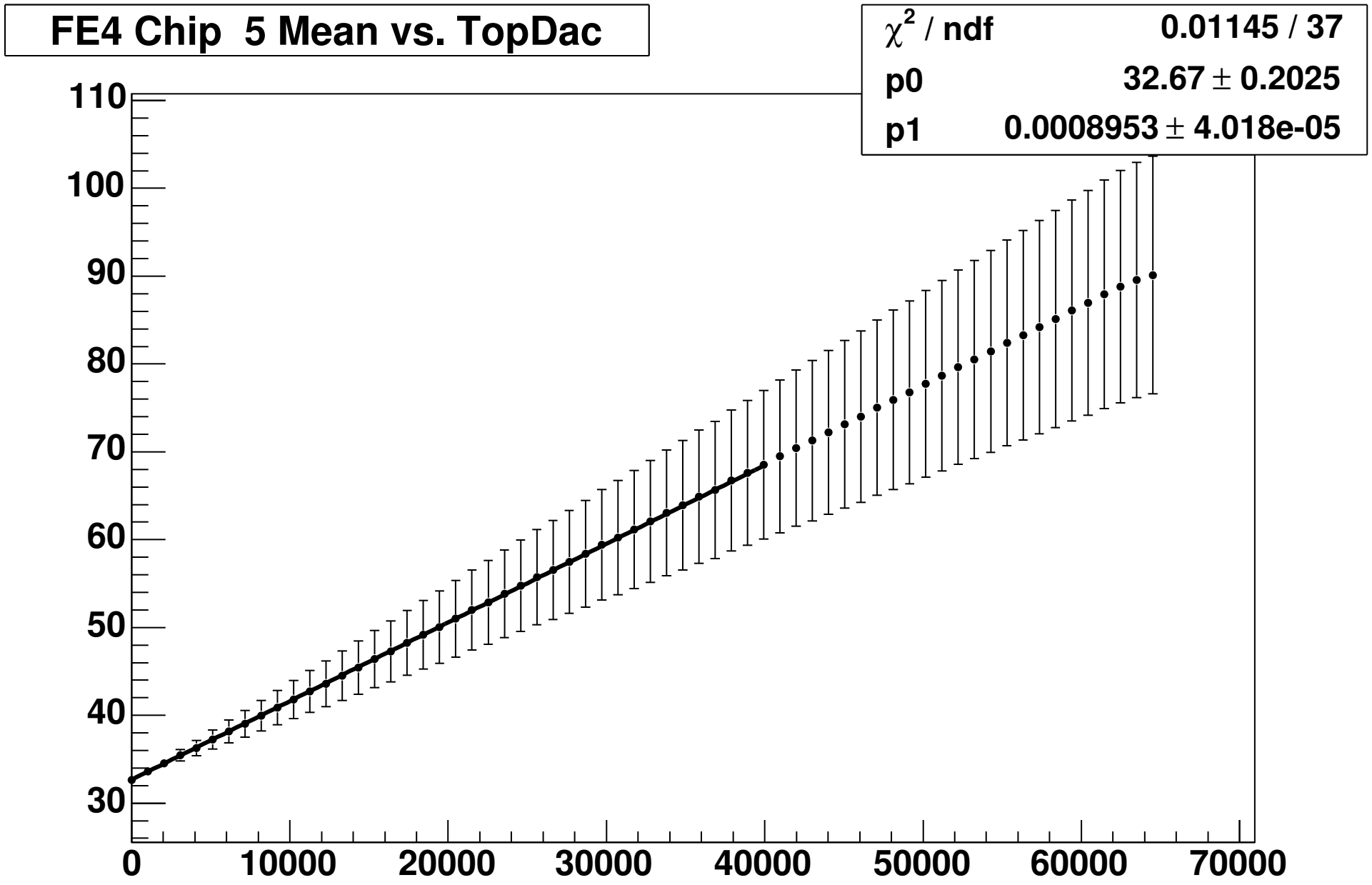
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 0.01145 / 37
p0 32.67 ± 0.2025
p1 0.0008953 ± 4.018e-05
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100
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80
70
60
50
40
30
0
10000
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30000
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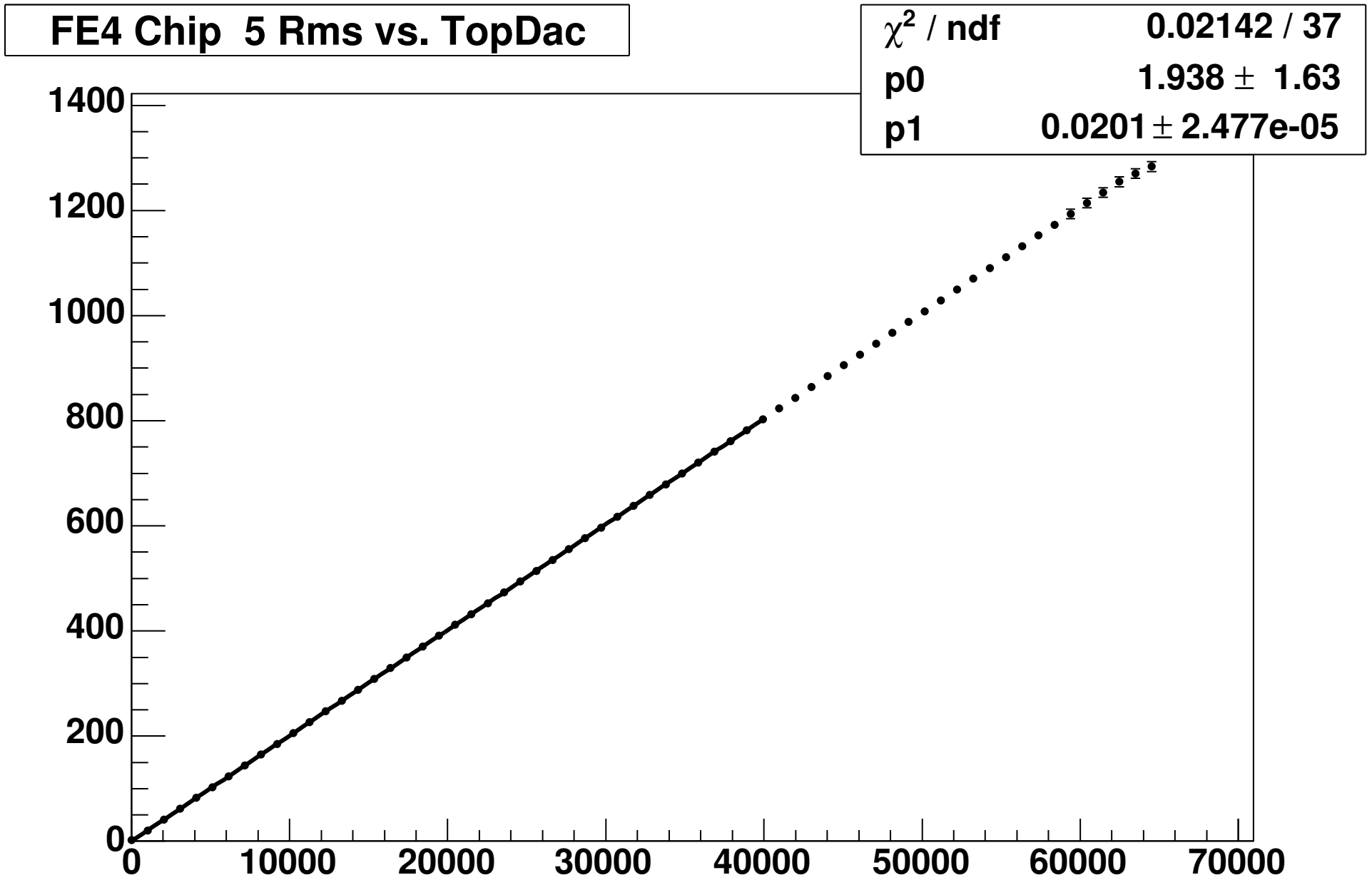
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 0.02142 / 37
p0 1.938 ± 1.63
p1 0.0201 ± 2.477e-05
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1200
1000
800
600
400
200
0
0
10000
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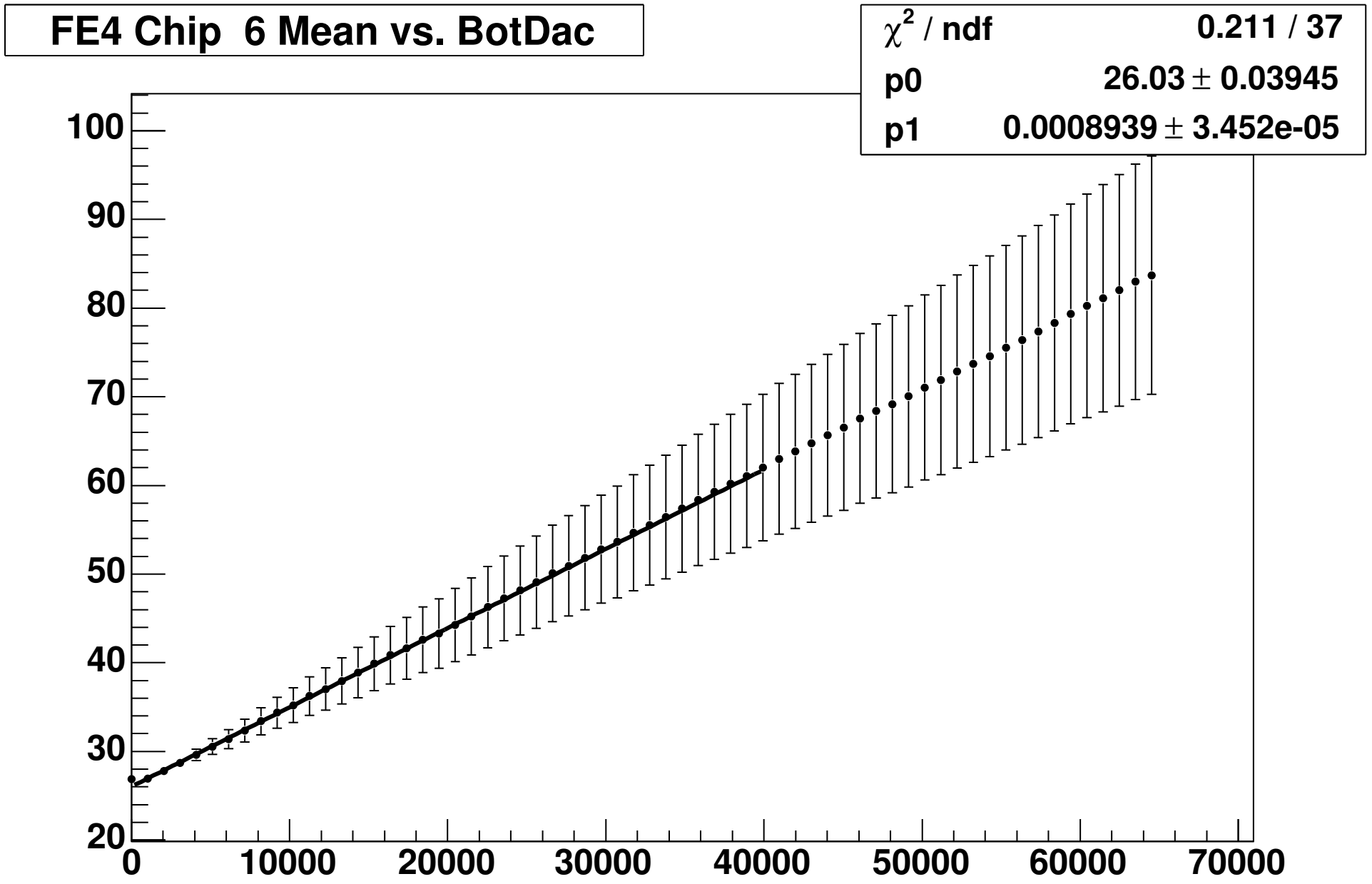
FE4 Chip 6 Mean vs. BotDac
χ² / ndf 0.211 / 37
p0 26.03 ± 0.03945
p1 0.0008939 ± 3.452e-05
100
90
80
70
60
50
40
30
20
0
10000
20000
30000
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50000
60000
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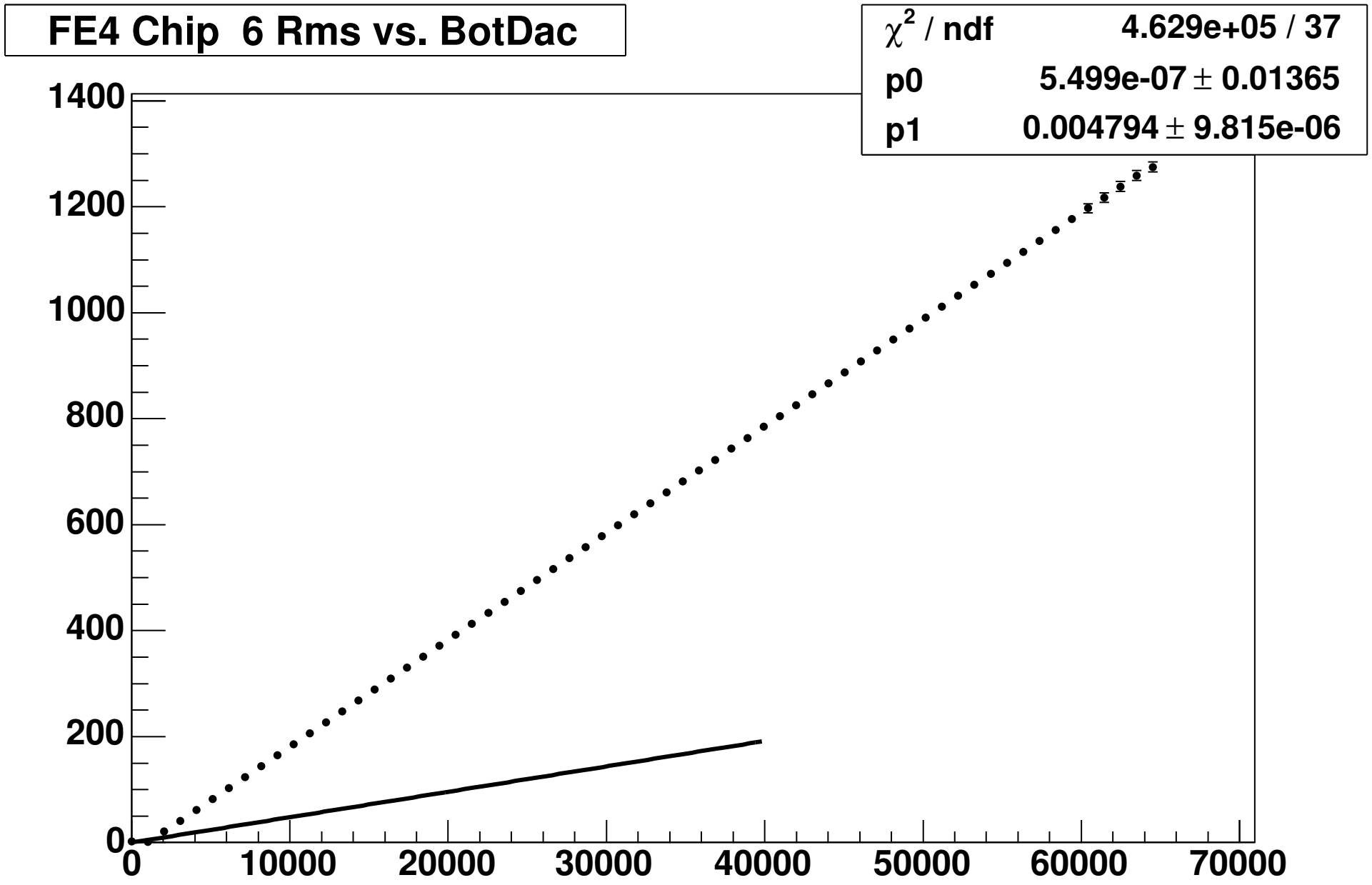
FE4 Chip 6 Rms vs. BotDac
χ² / ndf 4.629e+05 / 37
p0 5.499e-07 ± 0.01365
p1 0.004794 ± 9.815e-06
1400
1200
1000
800
600
400
200
0
0
10000
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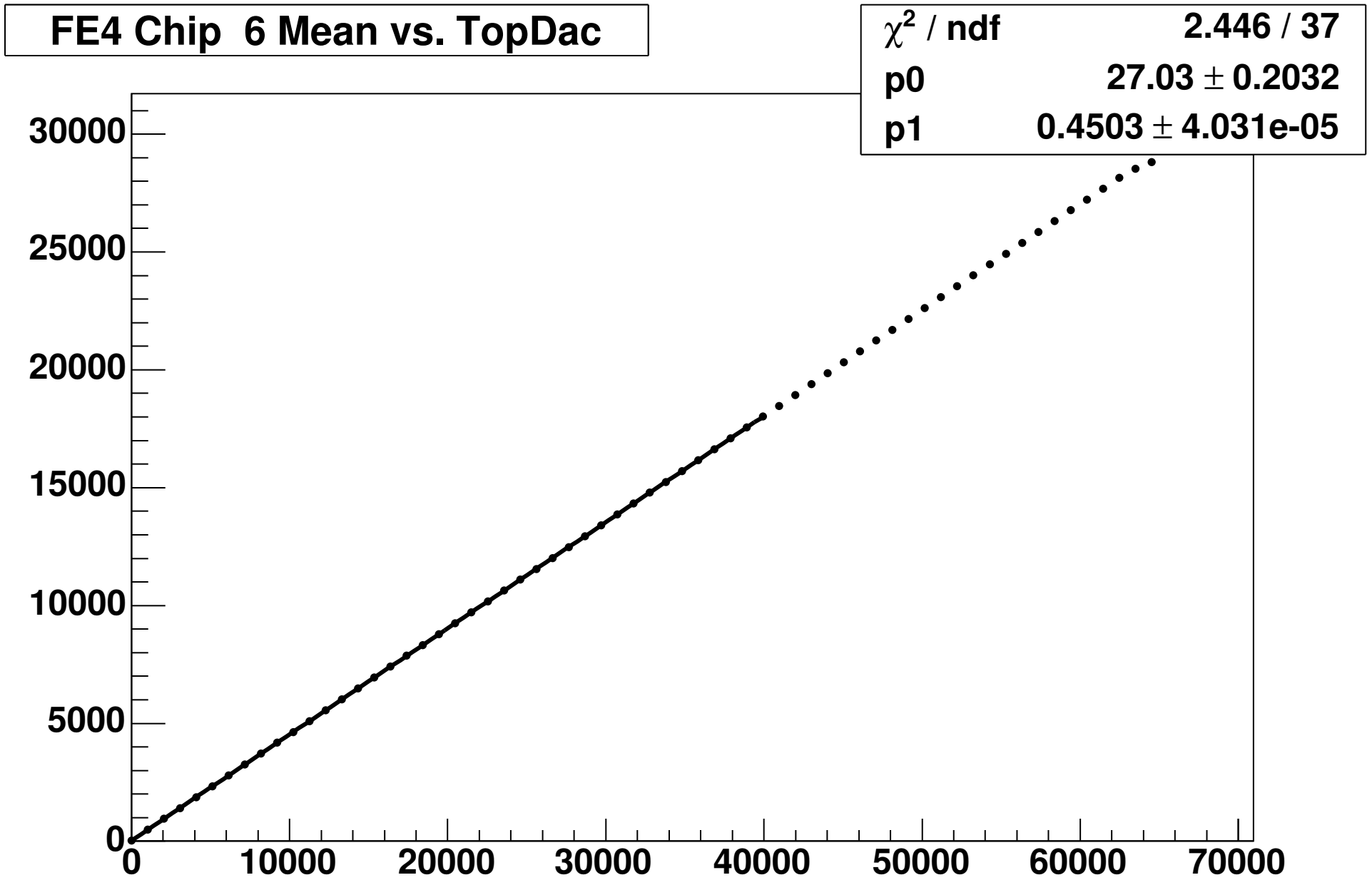
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 2.446 / 37
p0 27.03 ± 0.2032
p1 0.4503 ± 4.031e-05
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20000
15000
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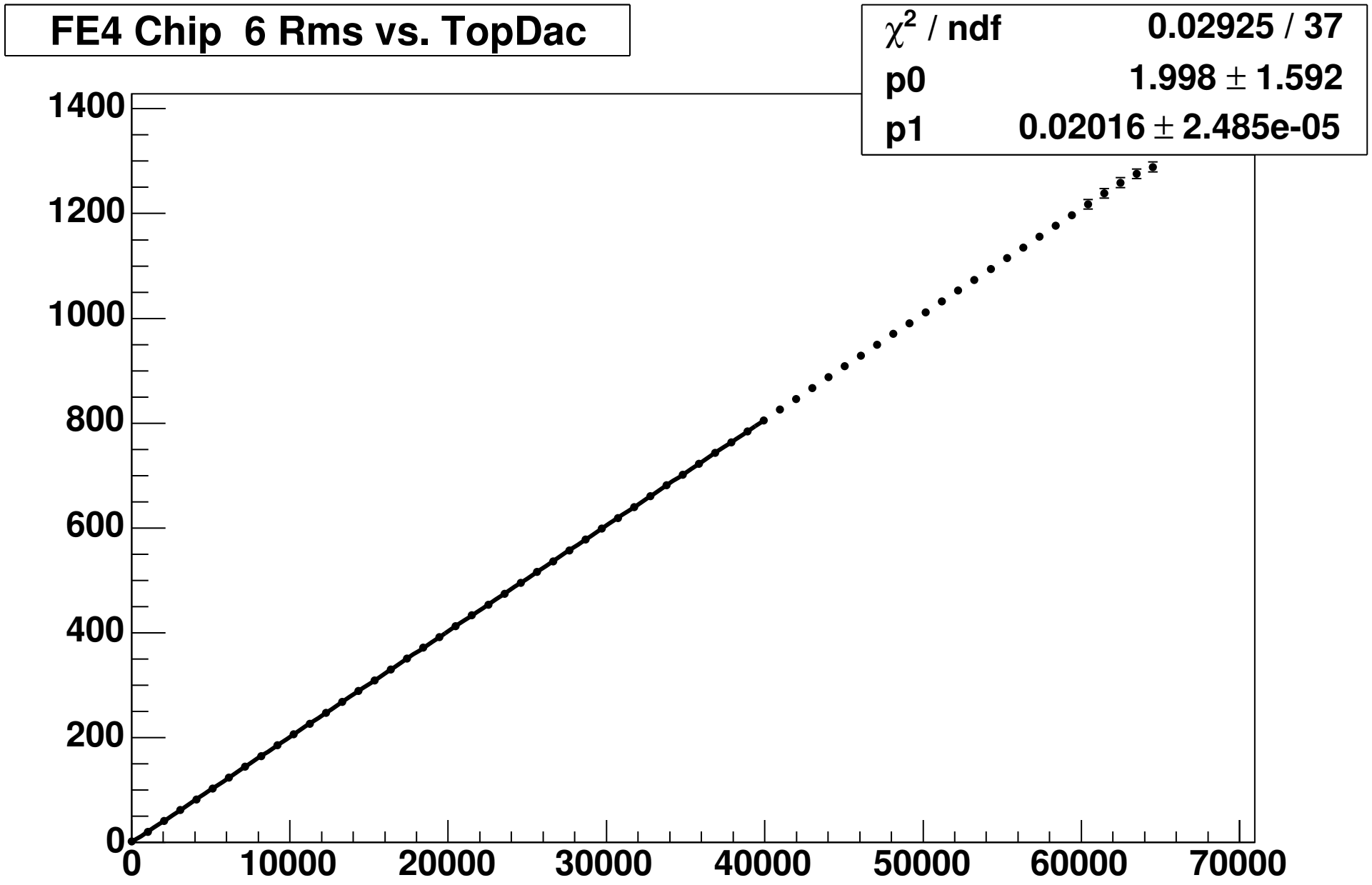
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 0.02925 / 37
p0 1.998 ± 1.592
p1 0.02016 ± 2.485e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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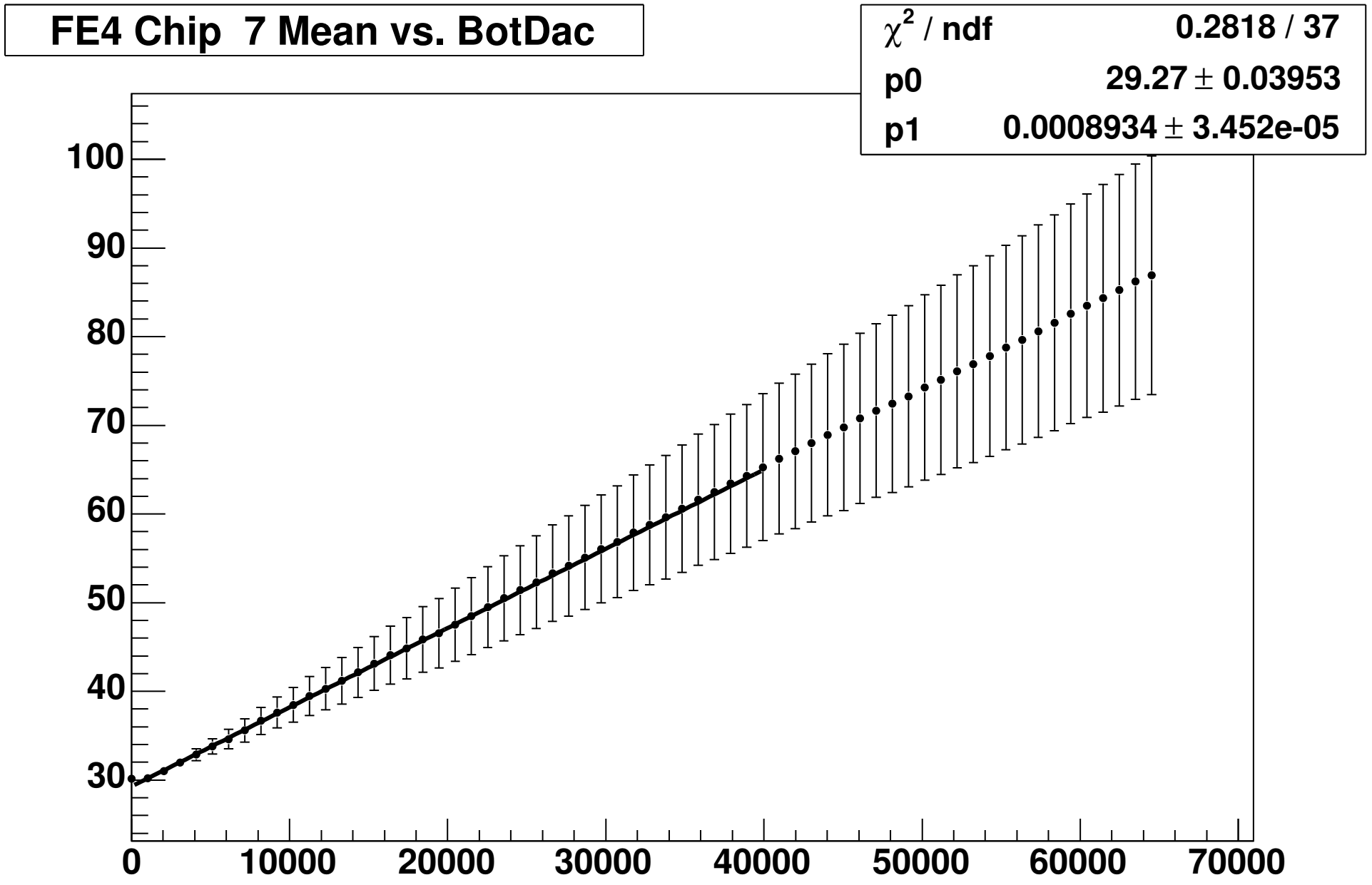
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 0.2818 / 37
p0 29.27 ± 0.03953
p1 0.0008934 ± 3.452e-05
100
90
80
70
60
50
40
30
0
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20000
30000
40000
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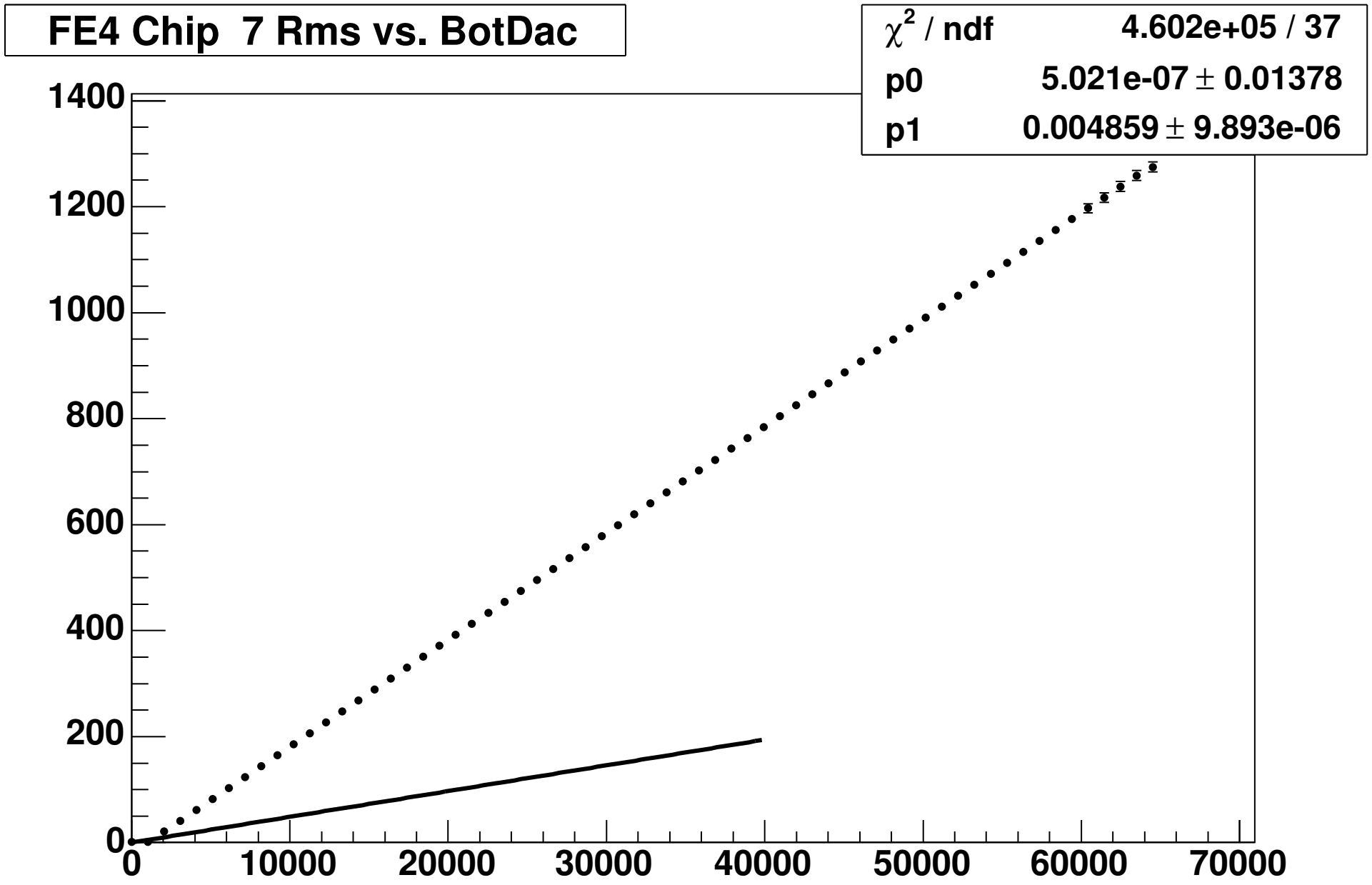
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 4.602e+05 / 37
p0 5.021e-07 ± 0.01378
p1 0.004859 ± 9.893e-06
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1200
1000
800
600
400
200
0
0
10000
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50000
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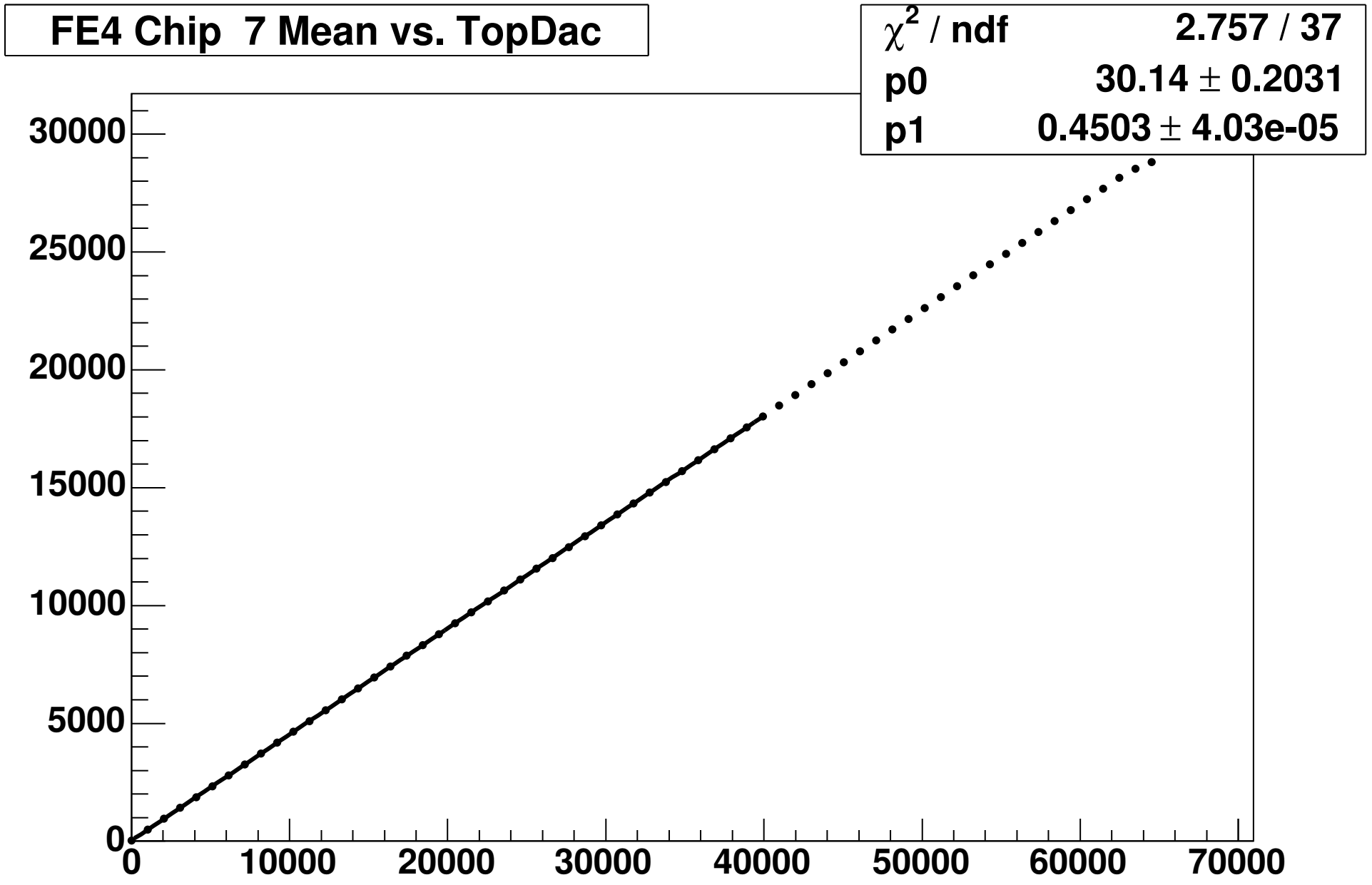
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 2.757 / 37
p0 30.14 ± 0.2031
p1 0.4503 ± 4.03e-05
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25000
20000
15000
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5000
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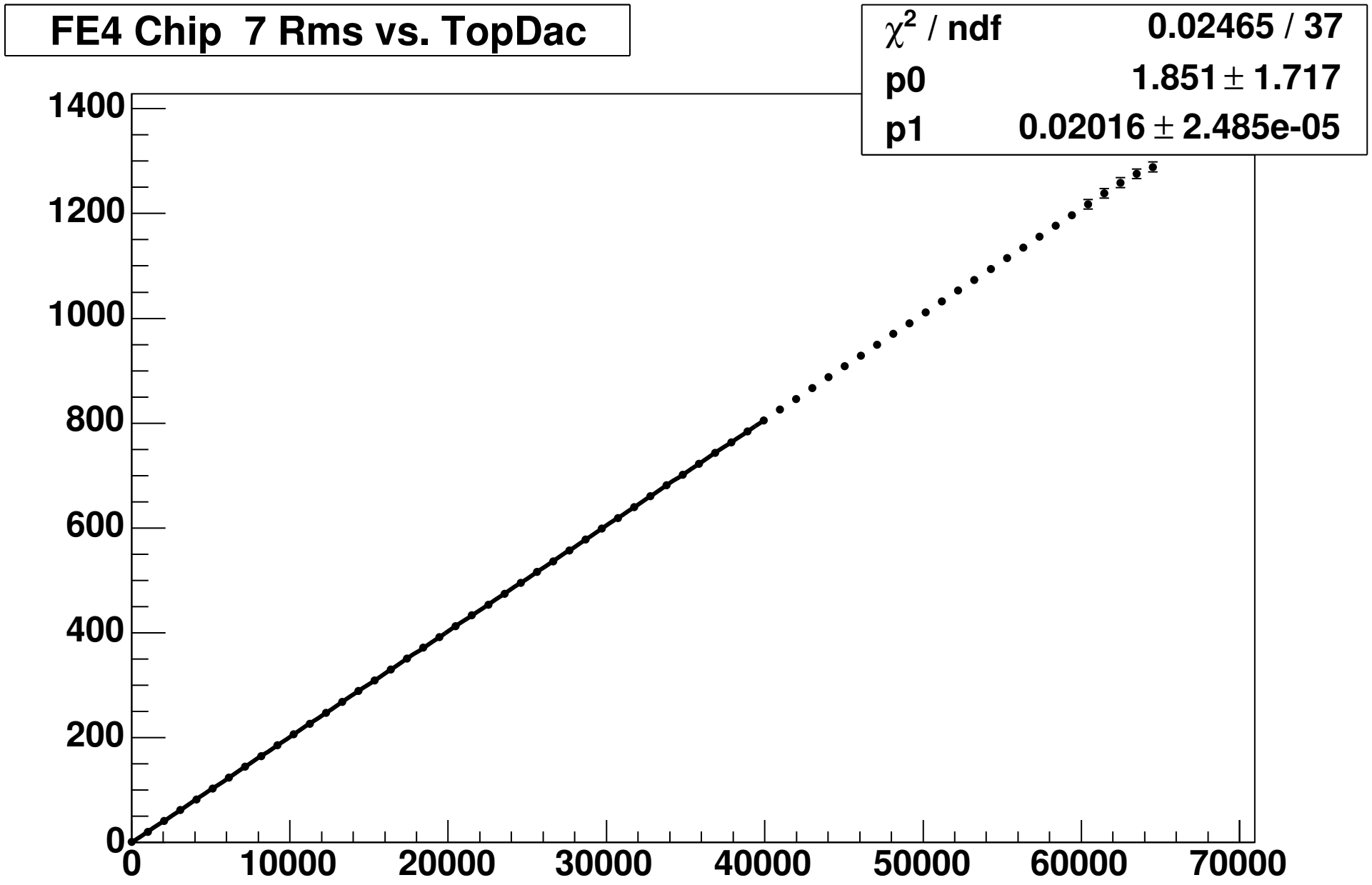
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 0.02465 / 37
p0 1.851 ± 1.717
p1 0.02016 ± 2.485e-05
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1200
1000
800
600
400
200
0
0
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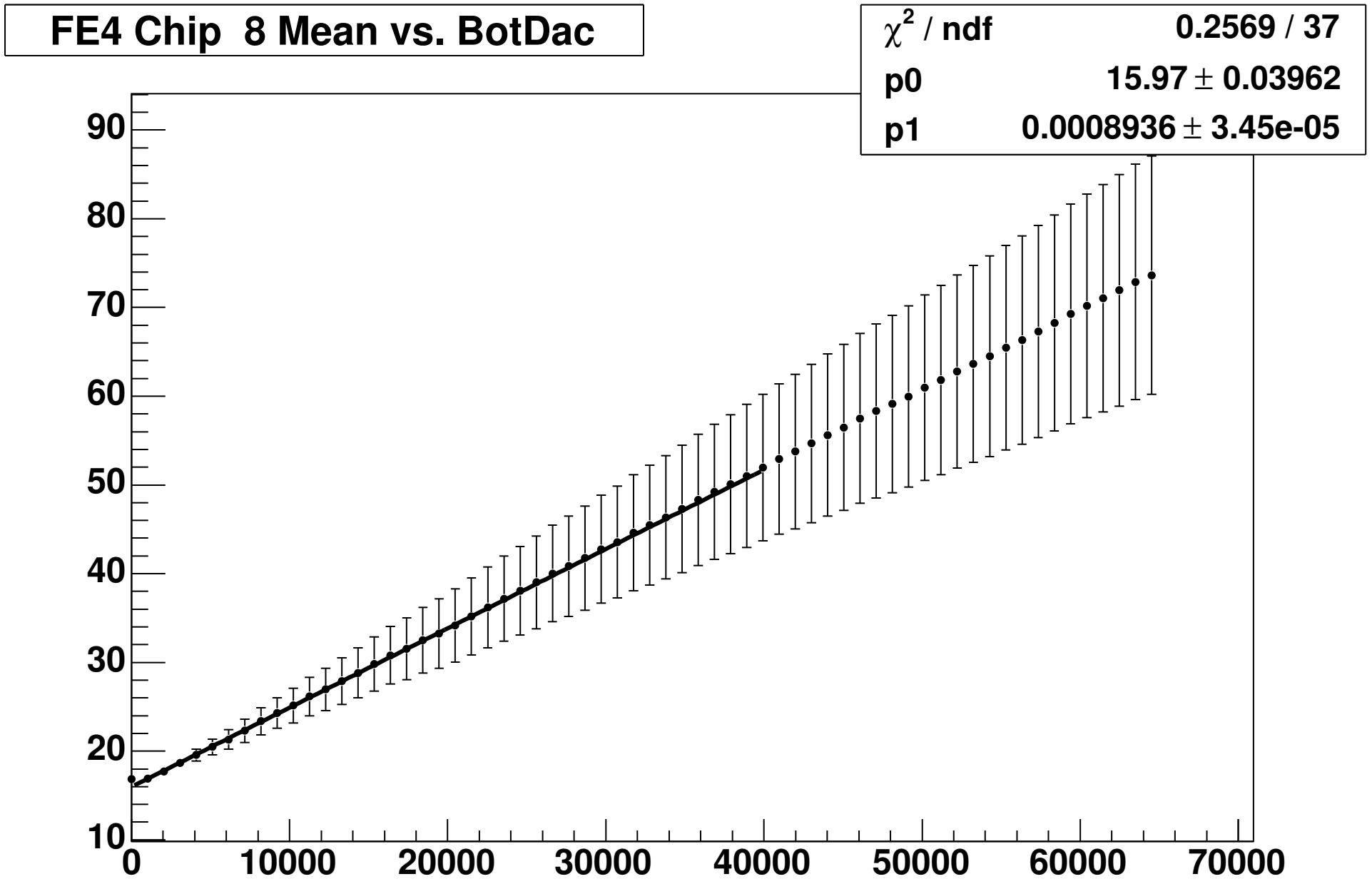
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 0.2569 / 37
p0 15.97 ± 0.03962
p1 0.0008936 ± 3.45e-05
90
80
70
60
50
40
30
20
10
0
10000
20000
30000
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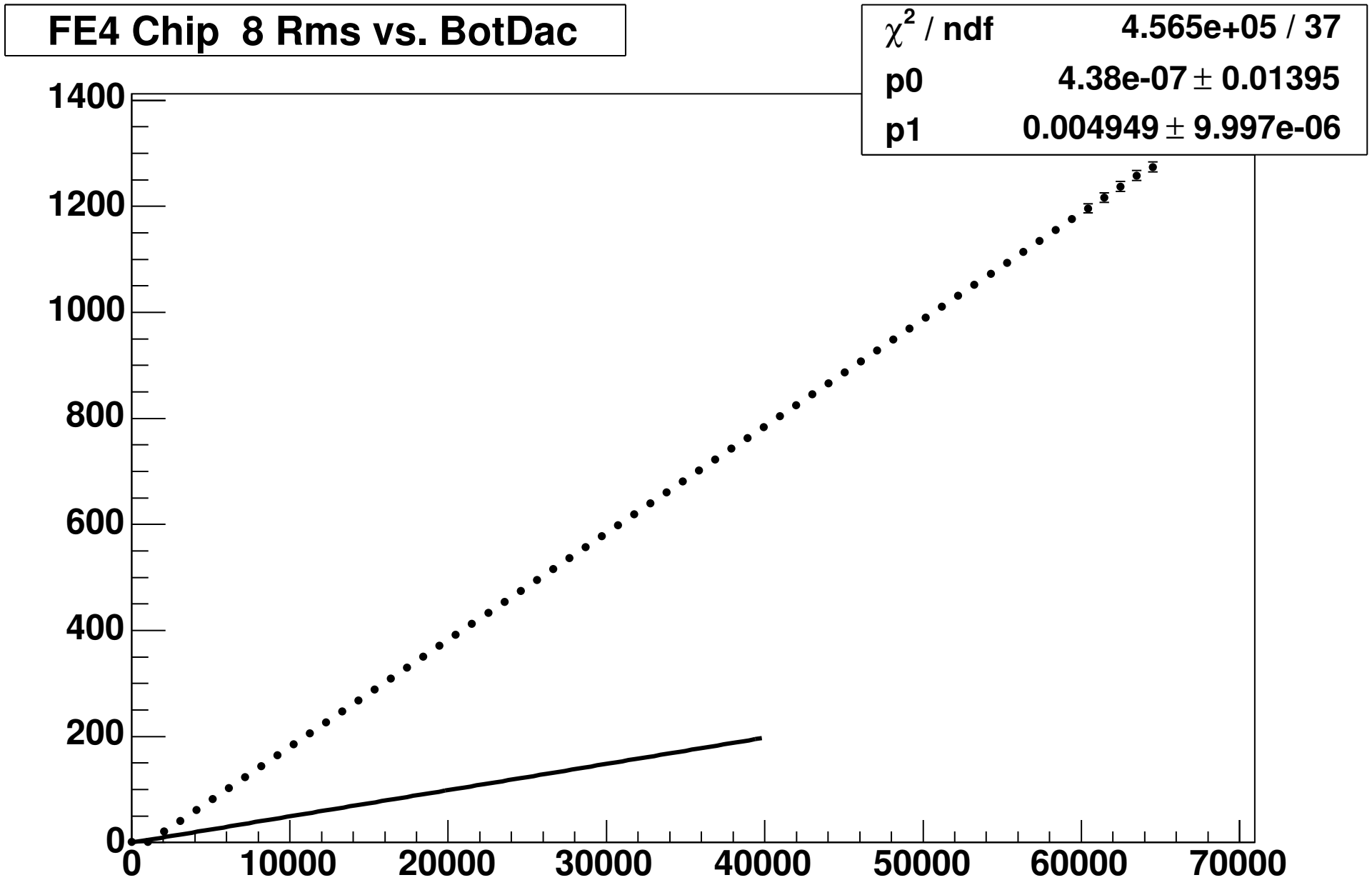
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 4.565e+05 / 37
p0 4.38e-07 ± 0.01395
p1 0.004949 ± 9.997e-06
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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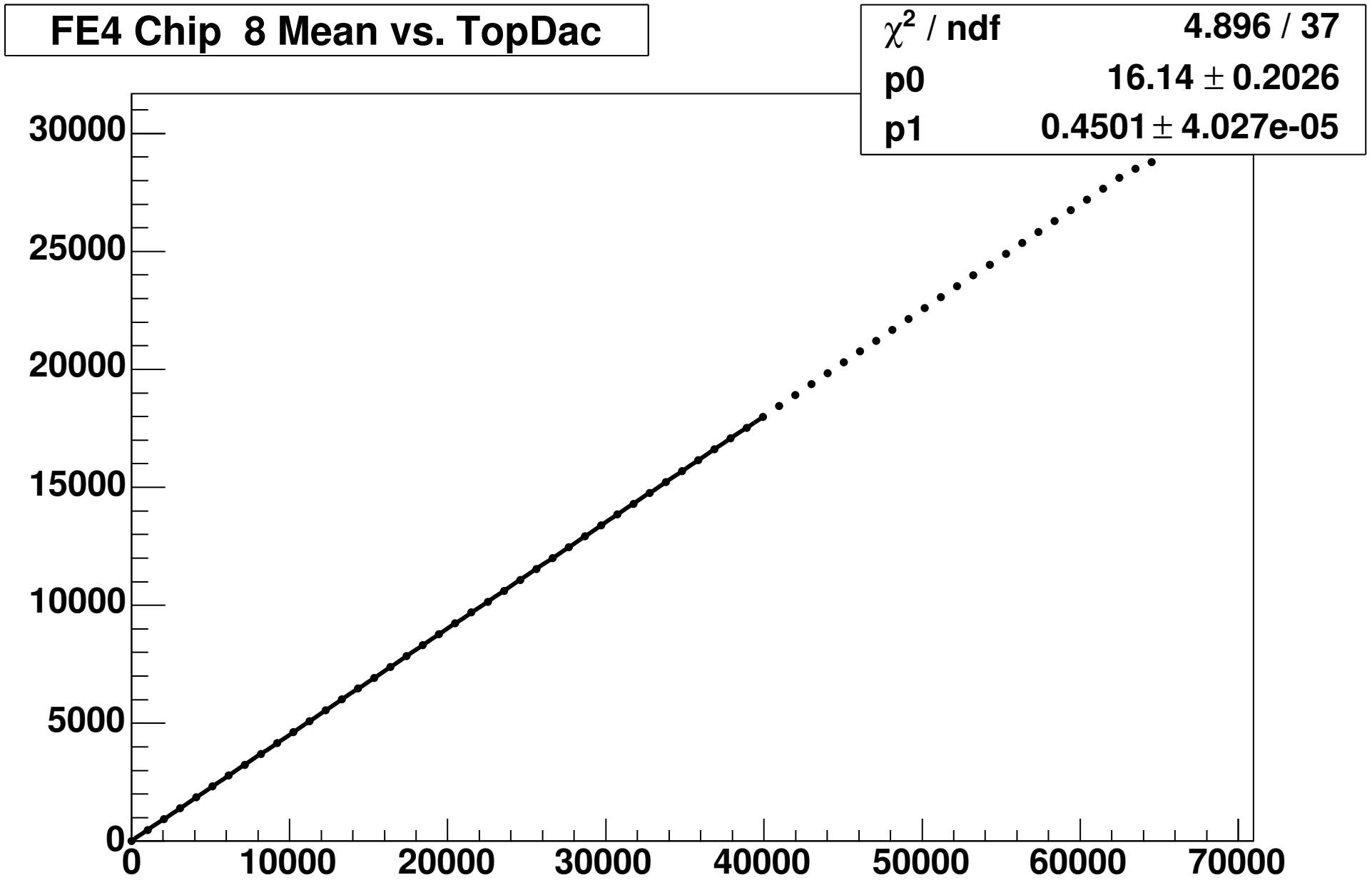
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 4.896 / 37
p0 16.14 ± 0.2026
p1 0.4501 ± 4.027e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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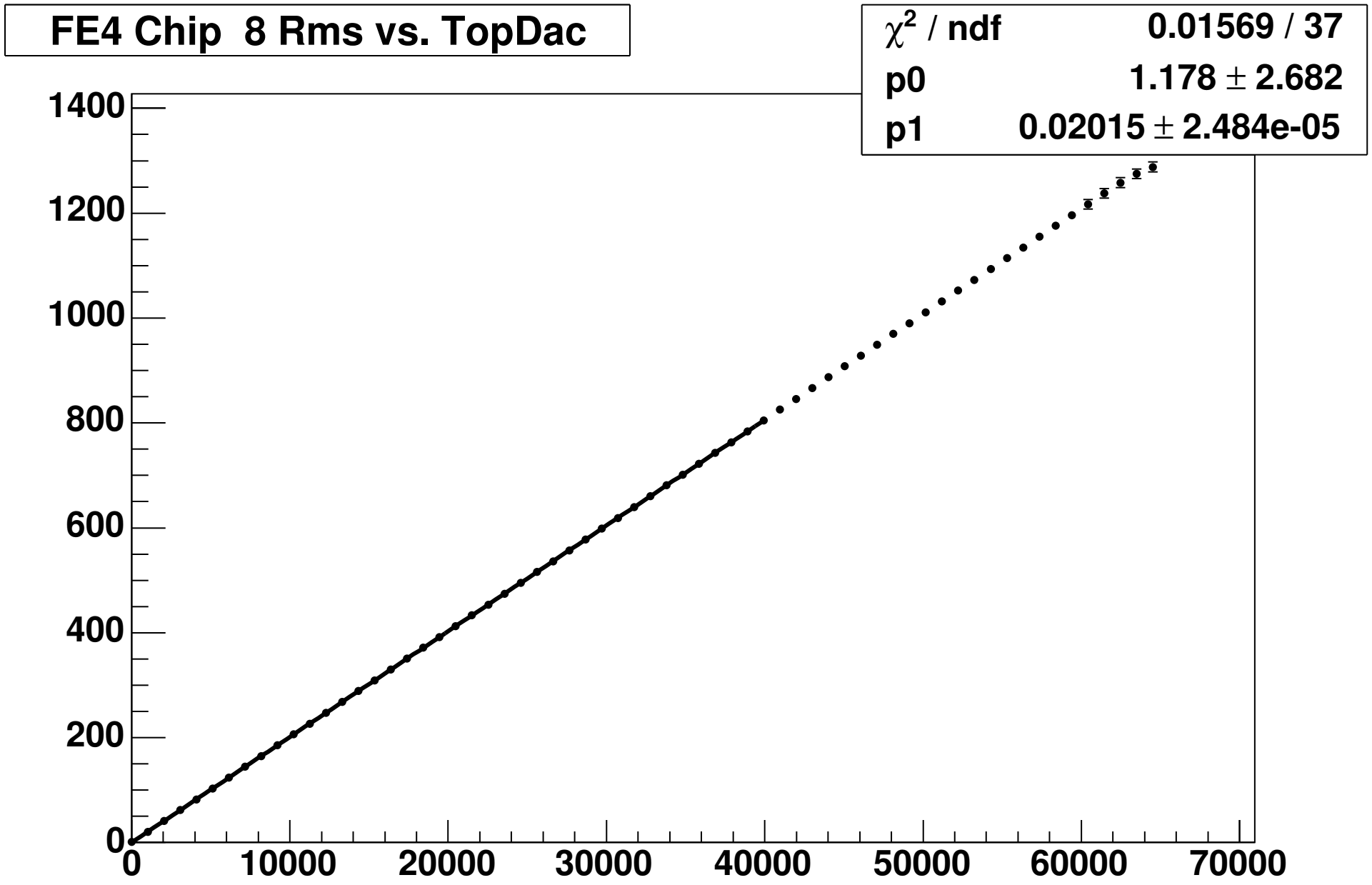
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 0.01569 / 37
p0 1.178 ± 2.682
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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50000
60000
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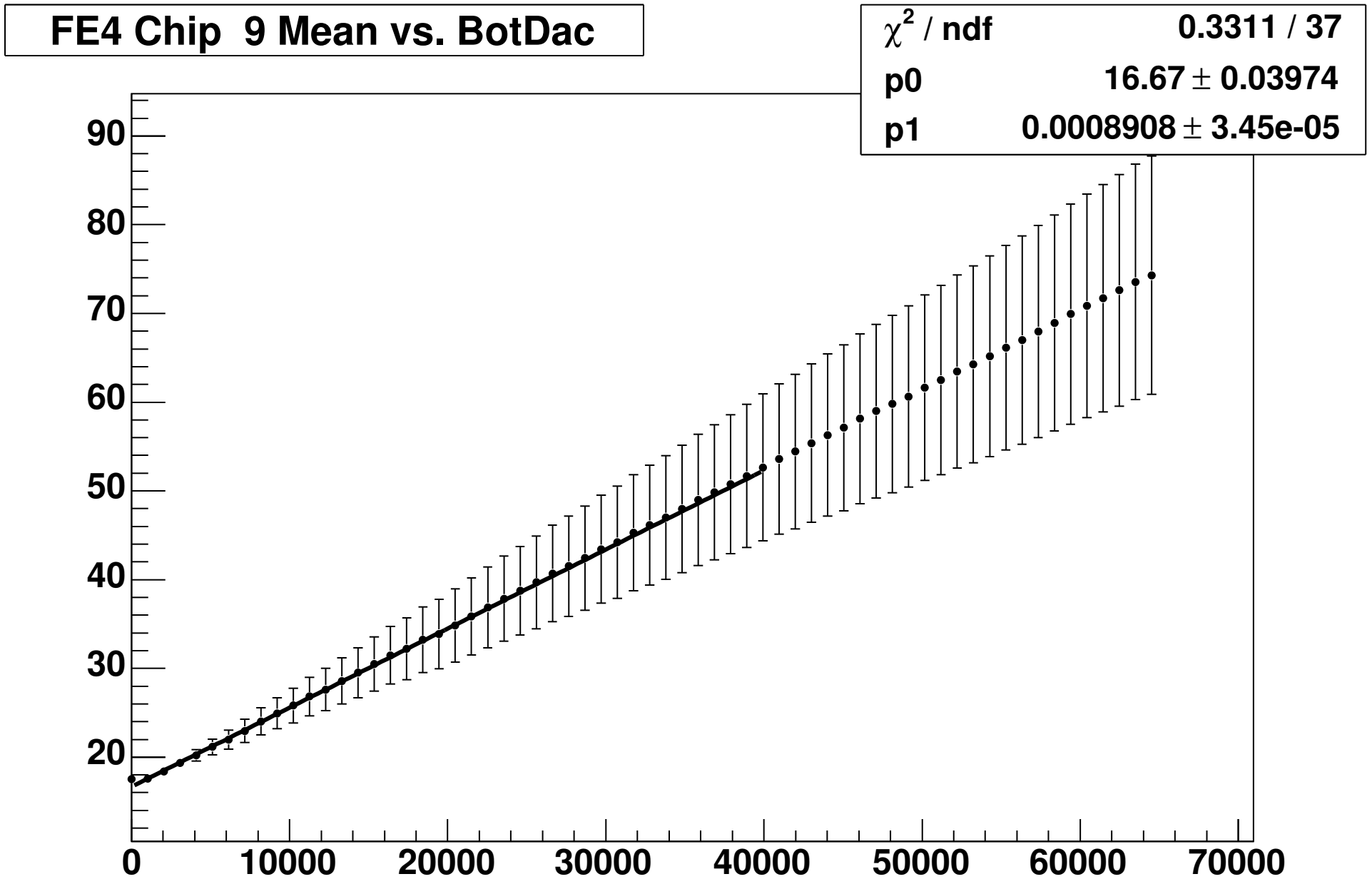
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 0.3311 / 37
p0 16.67 ± 0.03974
p1 0.0008908 ± 3.45e-05
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80
70
60
50
40
30
20
0
10000
20000
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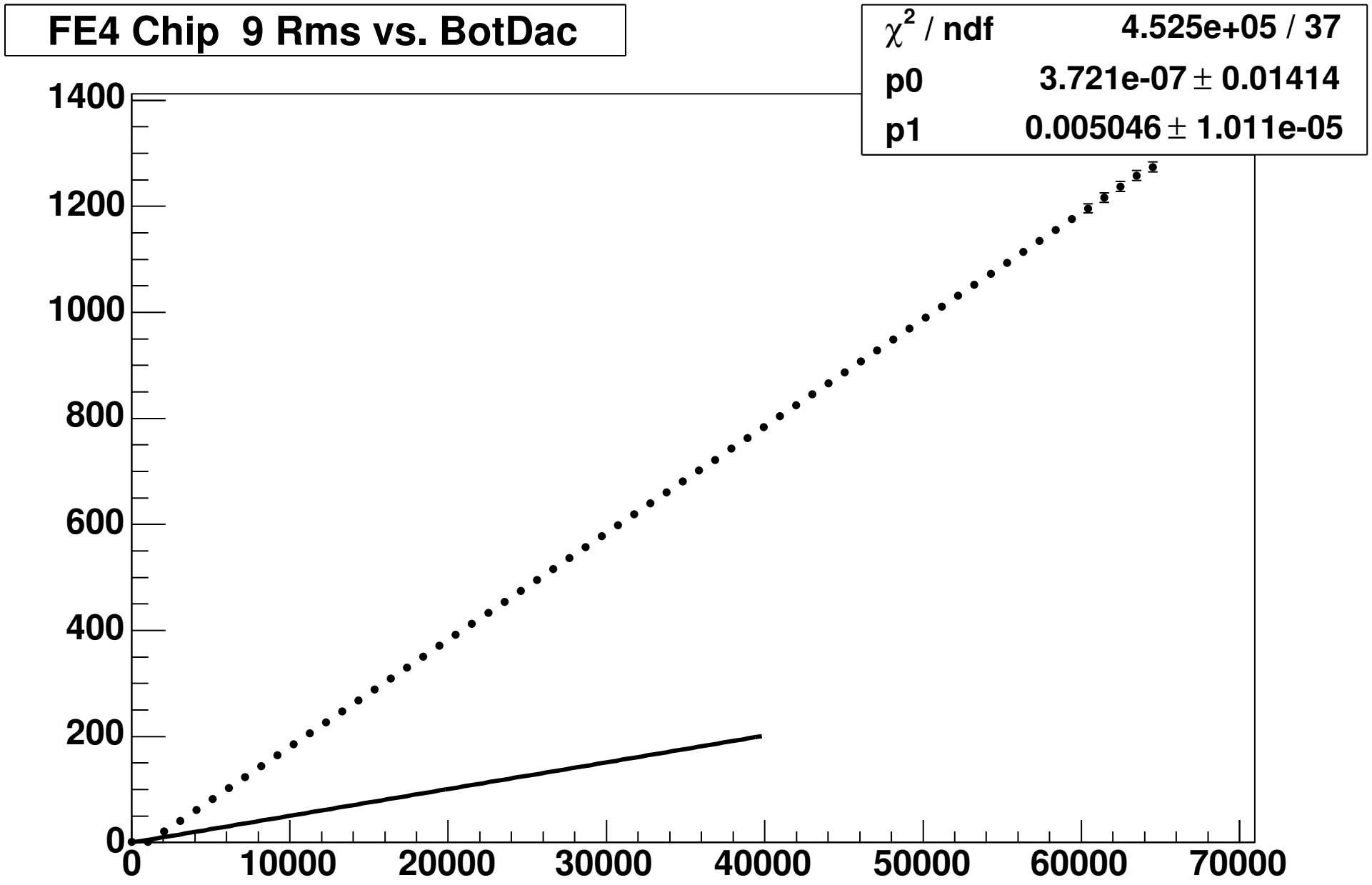
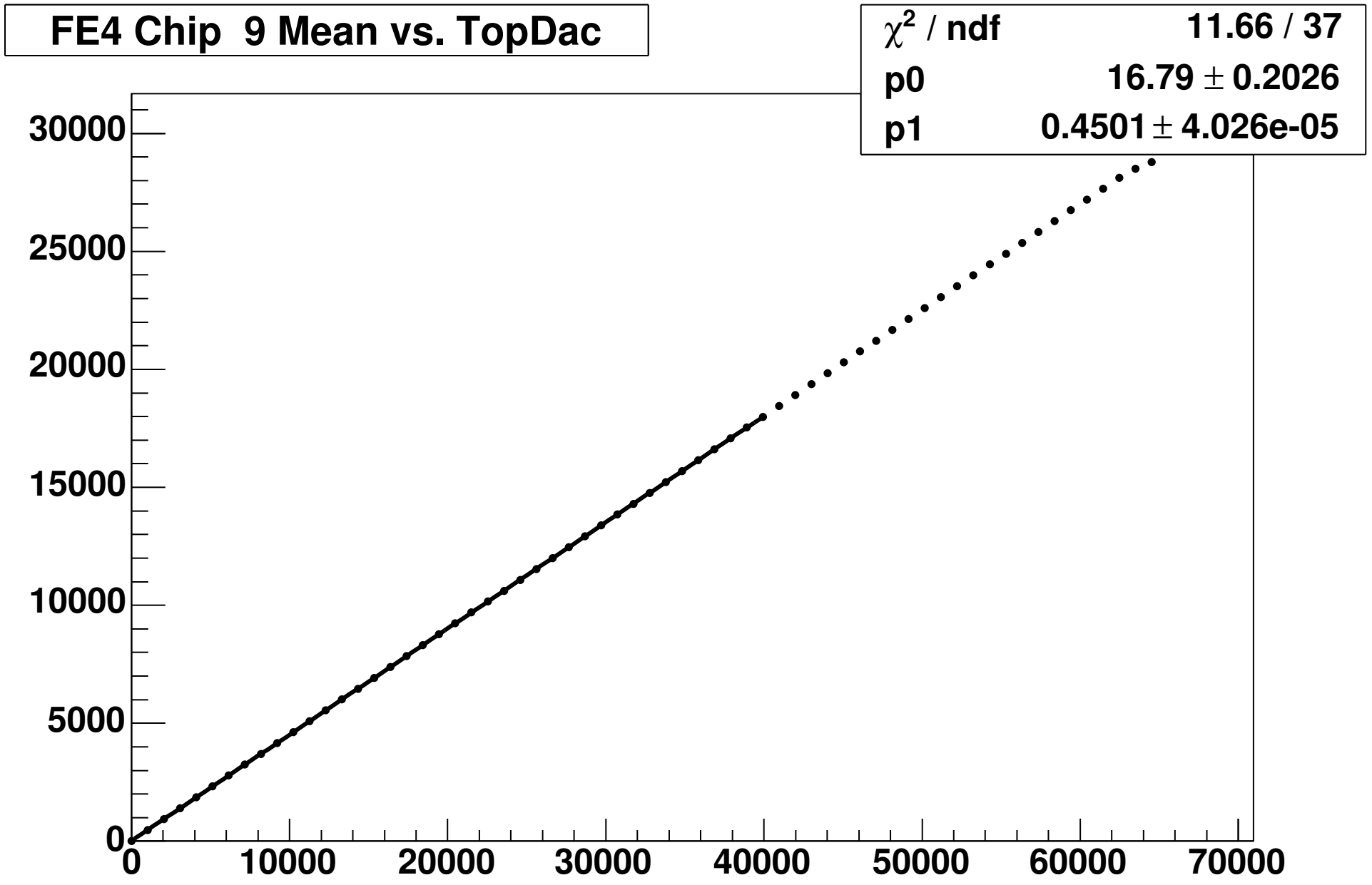

FE4 Chip 9 Rms vs. BotDac
χ² / ndf 4.525e+05 / 37
p0 3.721e-07 ± 0.01414
p1 0.005046 ± 1.011e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 11.66 / 37
p0 16.79 ± 0.2026
p1 0.4501 ± 4.026e-05
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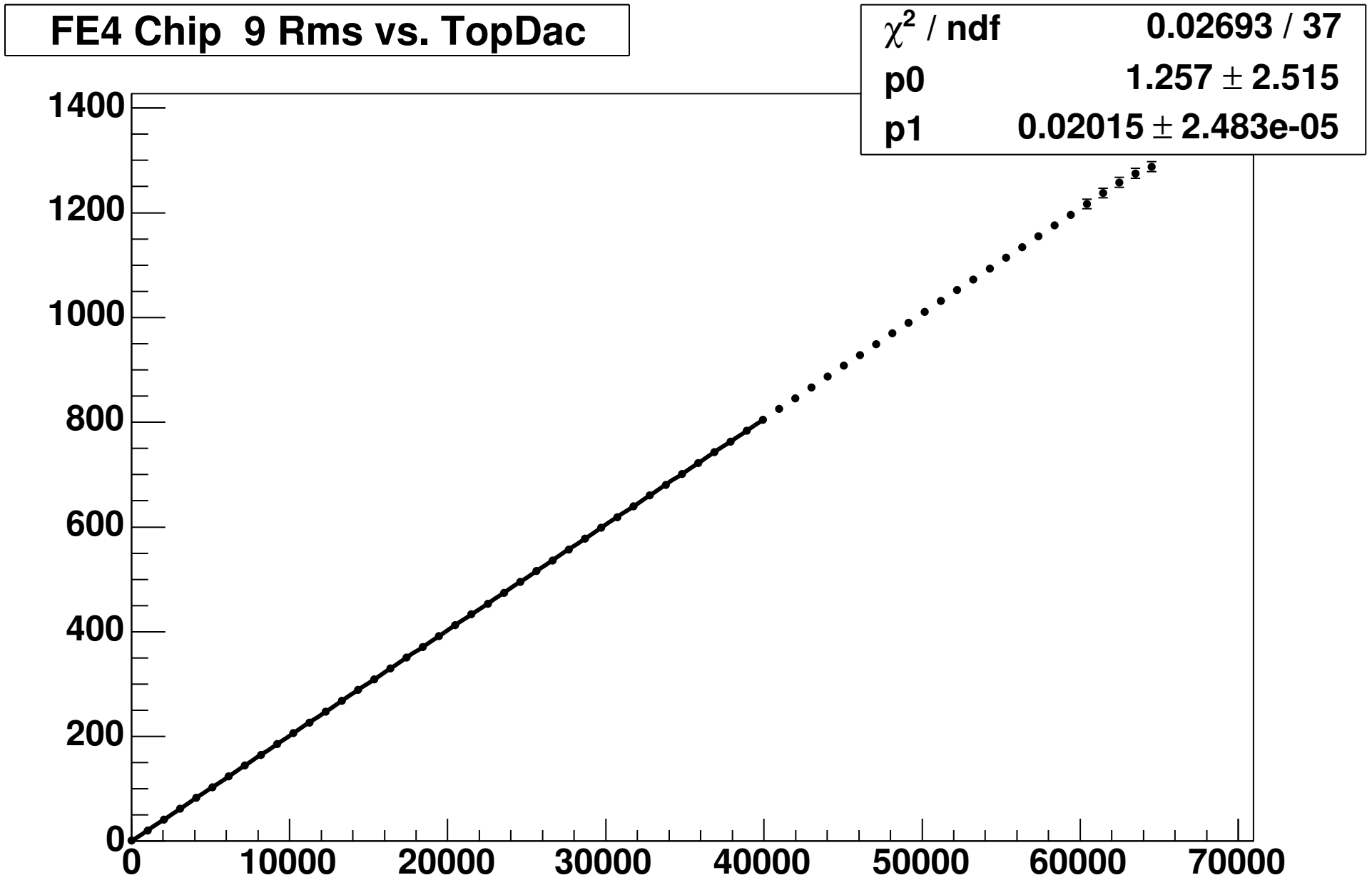
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 0.02693 / 37
p0 1.257 ± 2.515
p1 0.02015 ± 2.483e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
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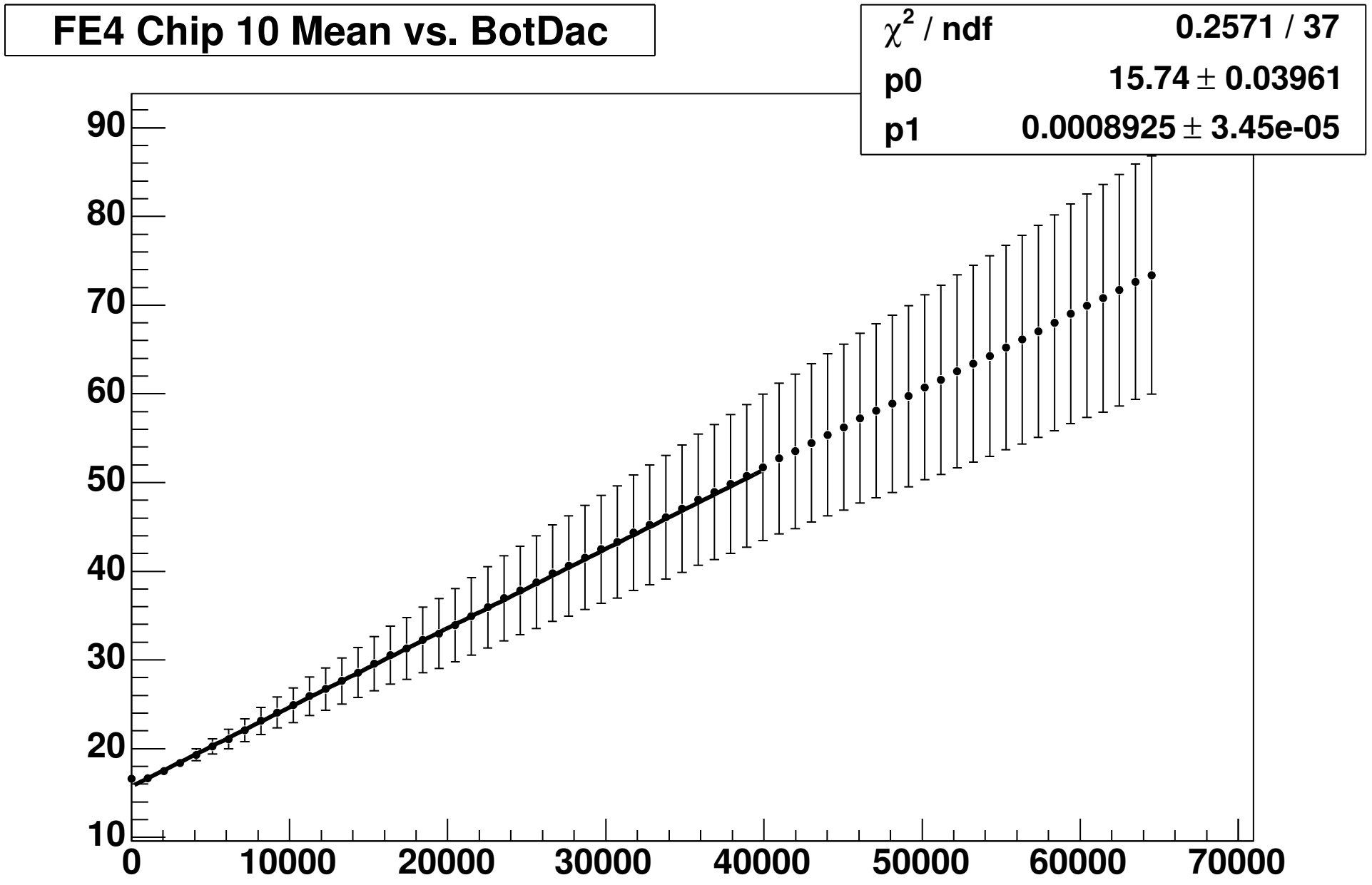
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 0.2571 / 37
p0 15.74 ± 0.03961
p1 0.0008925 ± 3.45e-05
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80
70
60
50
40
30
20
10
0
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20000
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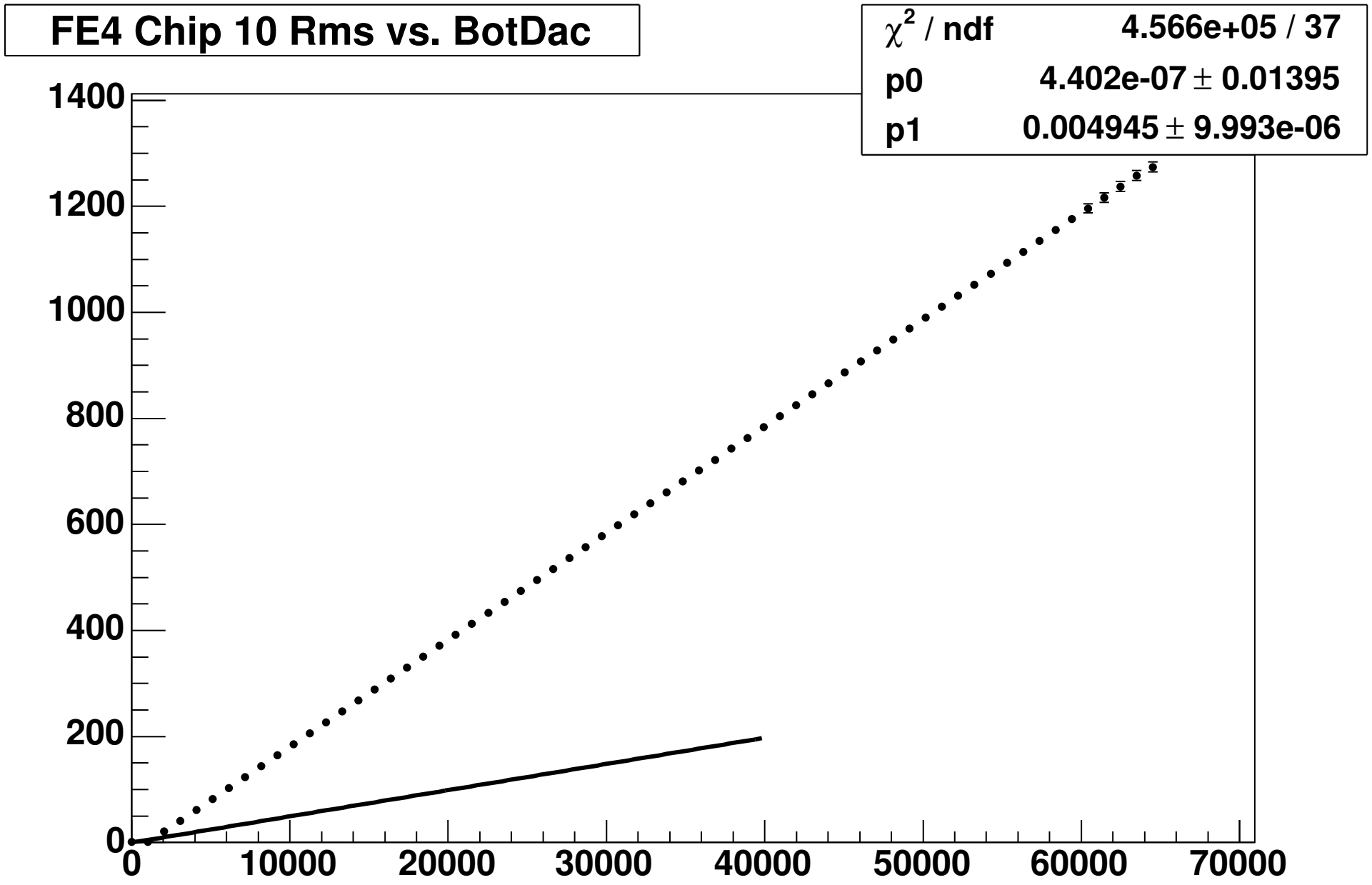
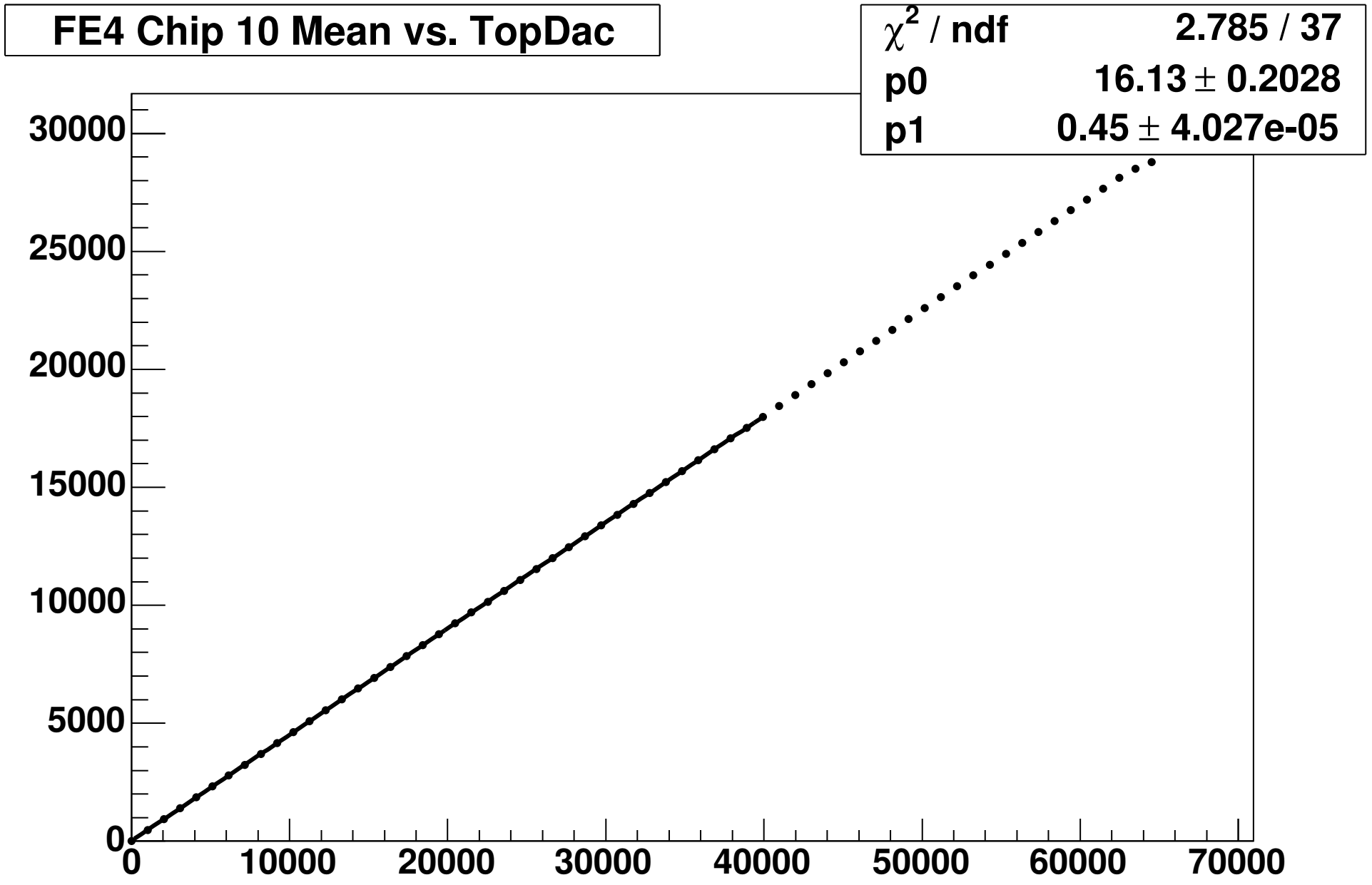

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 4.566e+05 / 37
p0 4.402e-07 ± 0.01395
p1 0.004945 ± 9.993e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 2.785 / 37
p0 16.13 ± 0.2028
p1 0.45 ± 4.027e-05
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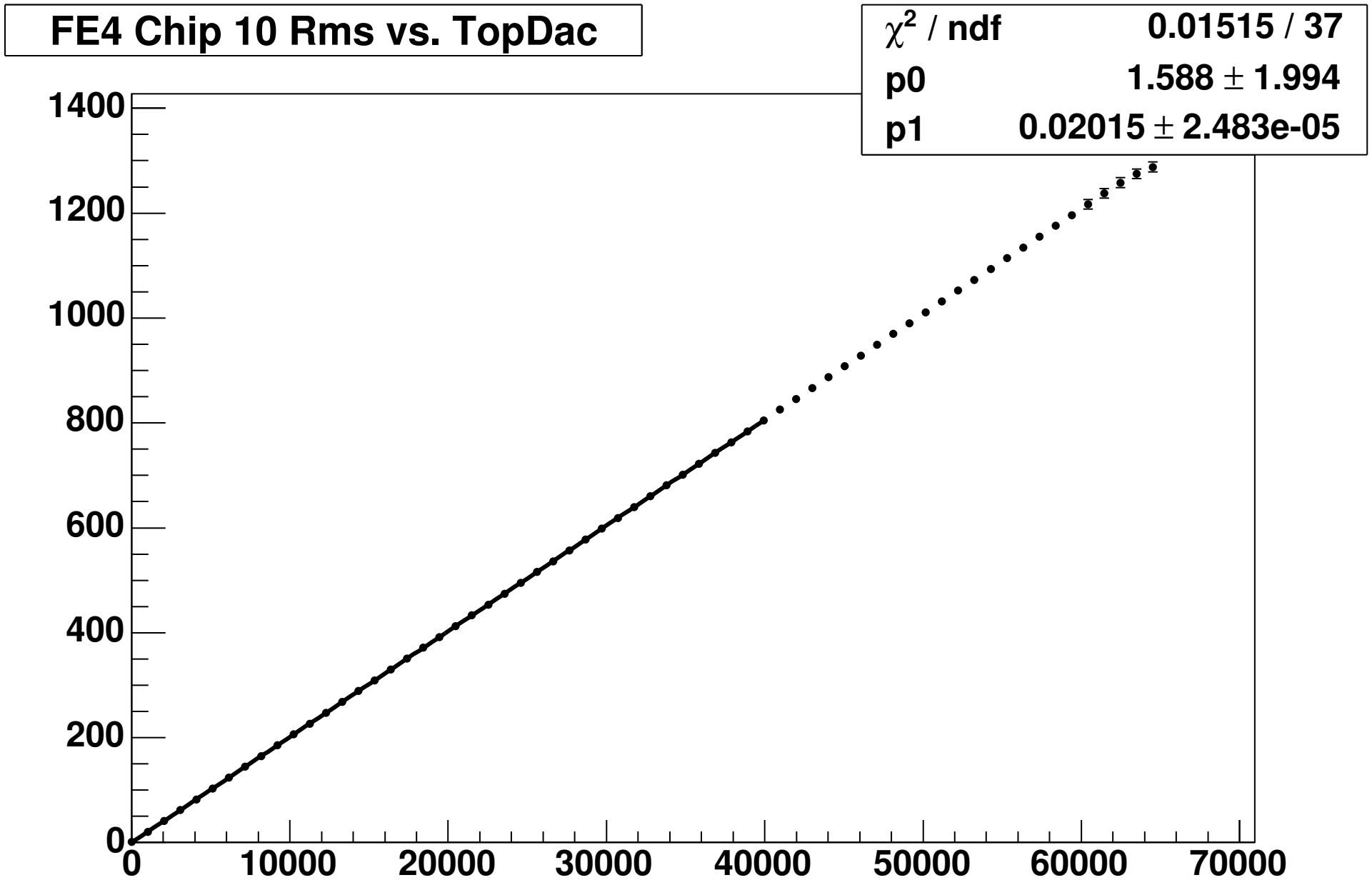
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 0.01515 / 37
p0 1.588 ± 1.994
p1 0.02015 ± 2.483e-05
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1200
1000
800
600
400
200
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0
10000
20000
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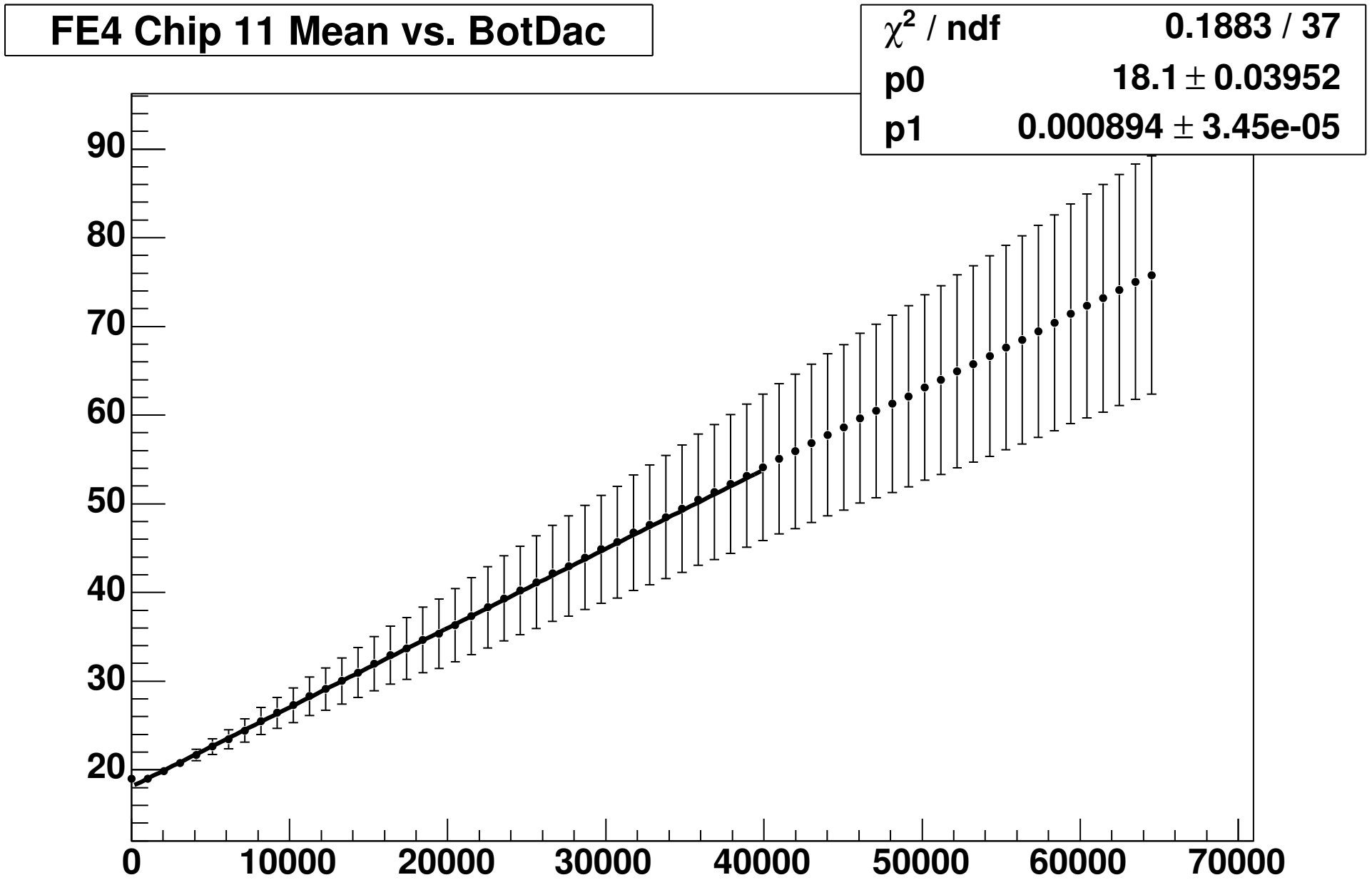
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 0.1883 / 37
p0 18.1 ± 0.03952
p1 0.000894 ± 3.45e-05
90
80
70
60
50
40
30
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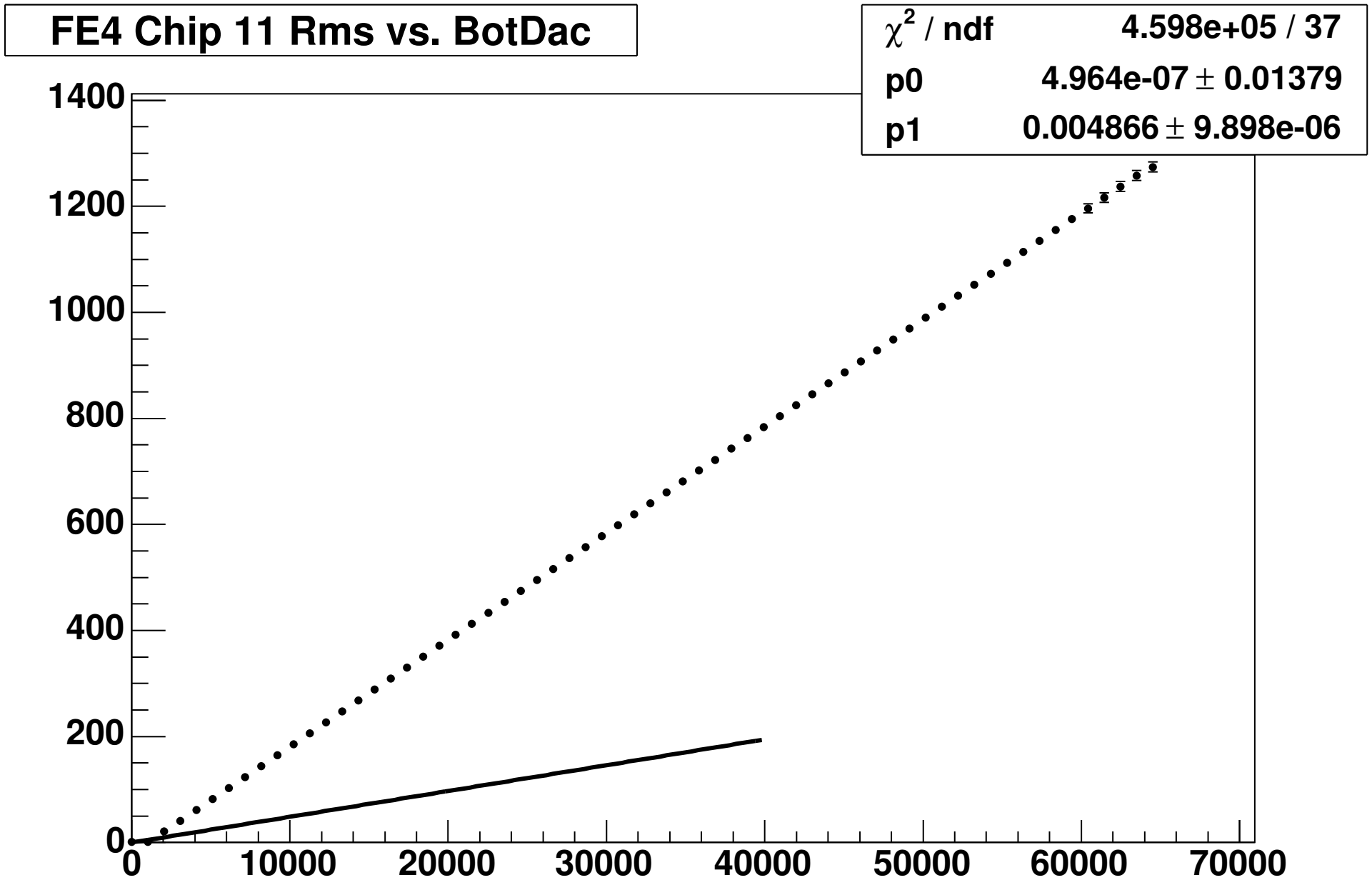
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 4.598e+05 / 37
p0 4.964e-07 ± 0.01379
p1 0.004866 ± 9.898e-06
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1200
1000
800
600
400
200
0
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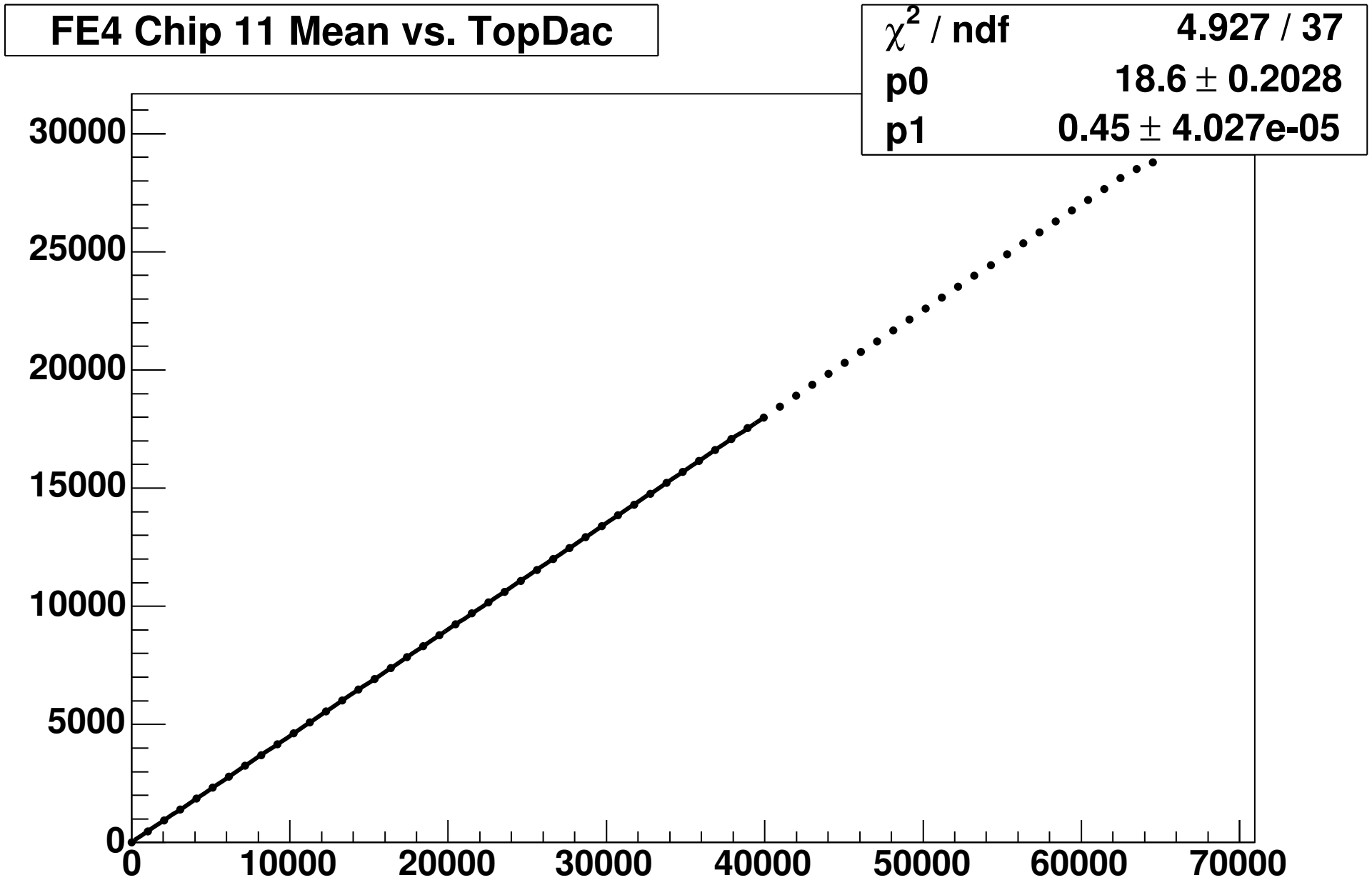
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 4.927 / 37
p0 18.6 ± 0.2028
p1 0.45 ± 4.027e-05
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20000
15000
10000
5000
0
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30000
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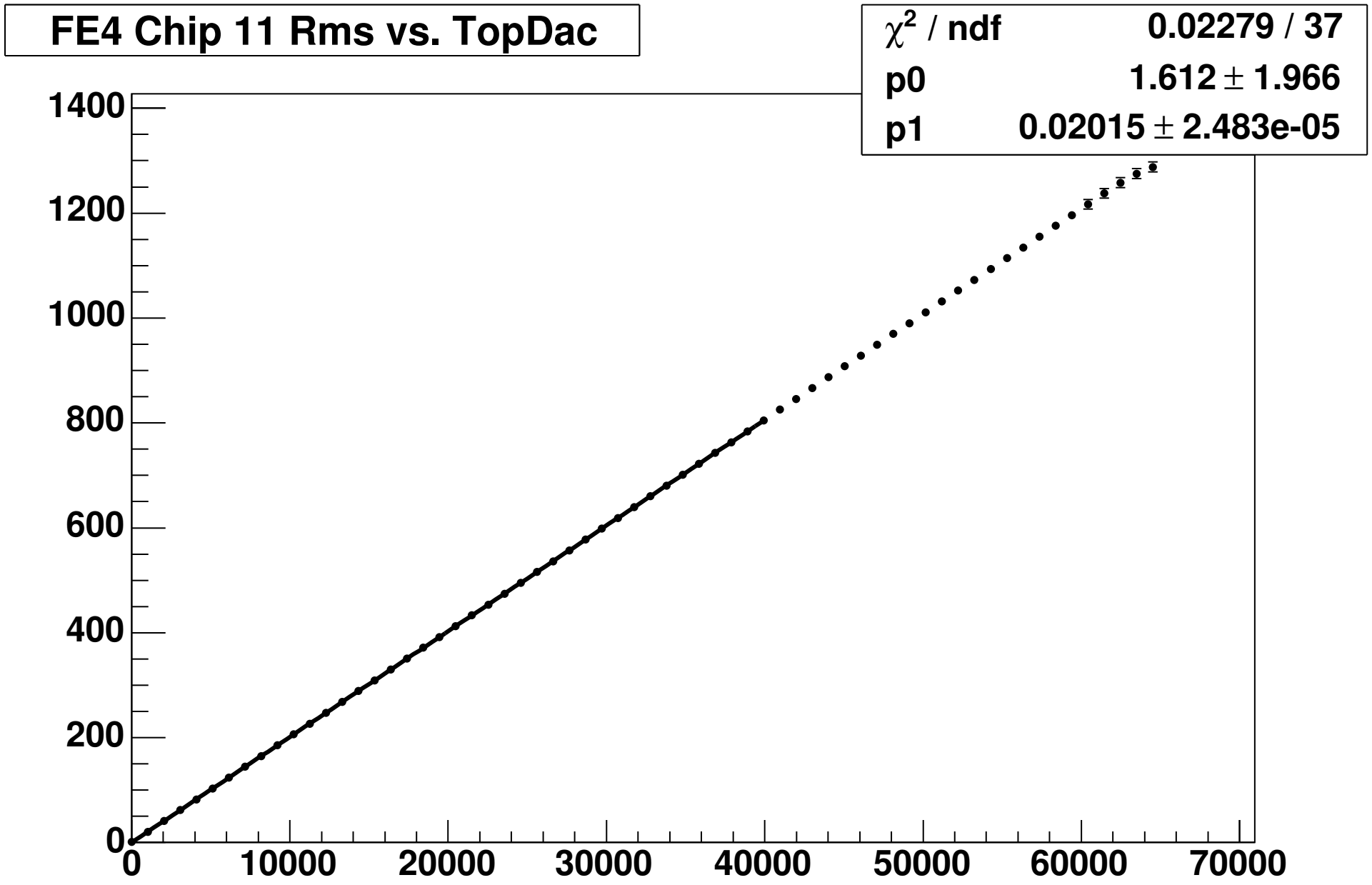
FE4 Chip 11 Rms vs. TopDac
χ² / ndf 0.02279 / 37
p0 1.612 ± 1.966
p1 0.02015 ± 2.483e-05
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1200
1000
800
600
400
200
0
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10000
20000
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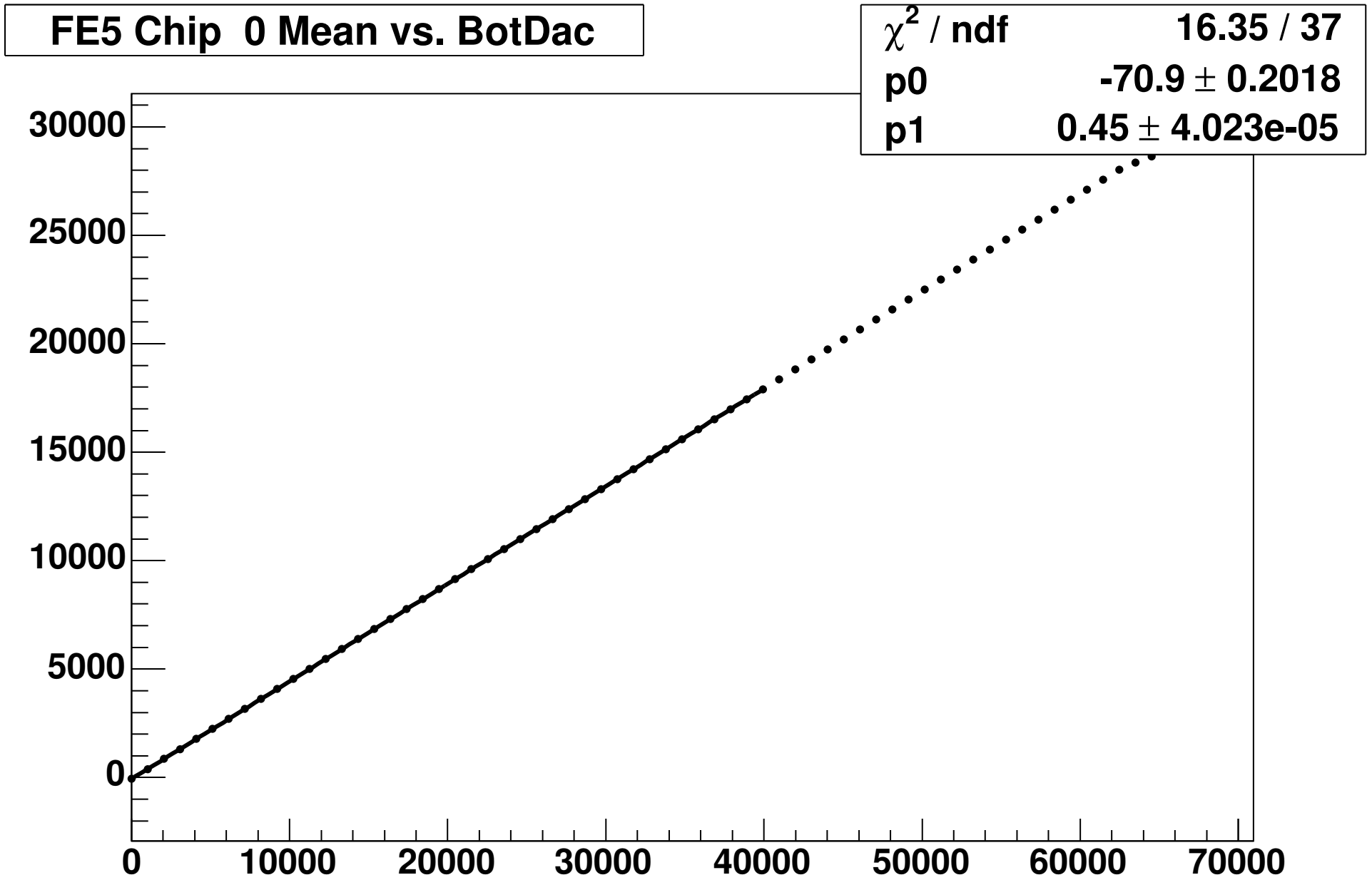
FE5 Chip 0 Mean vs. BotDac
χ² / ndf 16.35 / 37
p0 -70.9 ± 0.2018
p1 0.45 ± 4.023e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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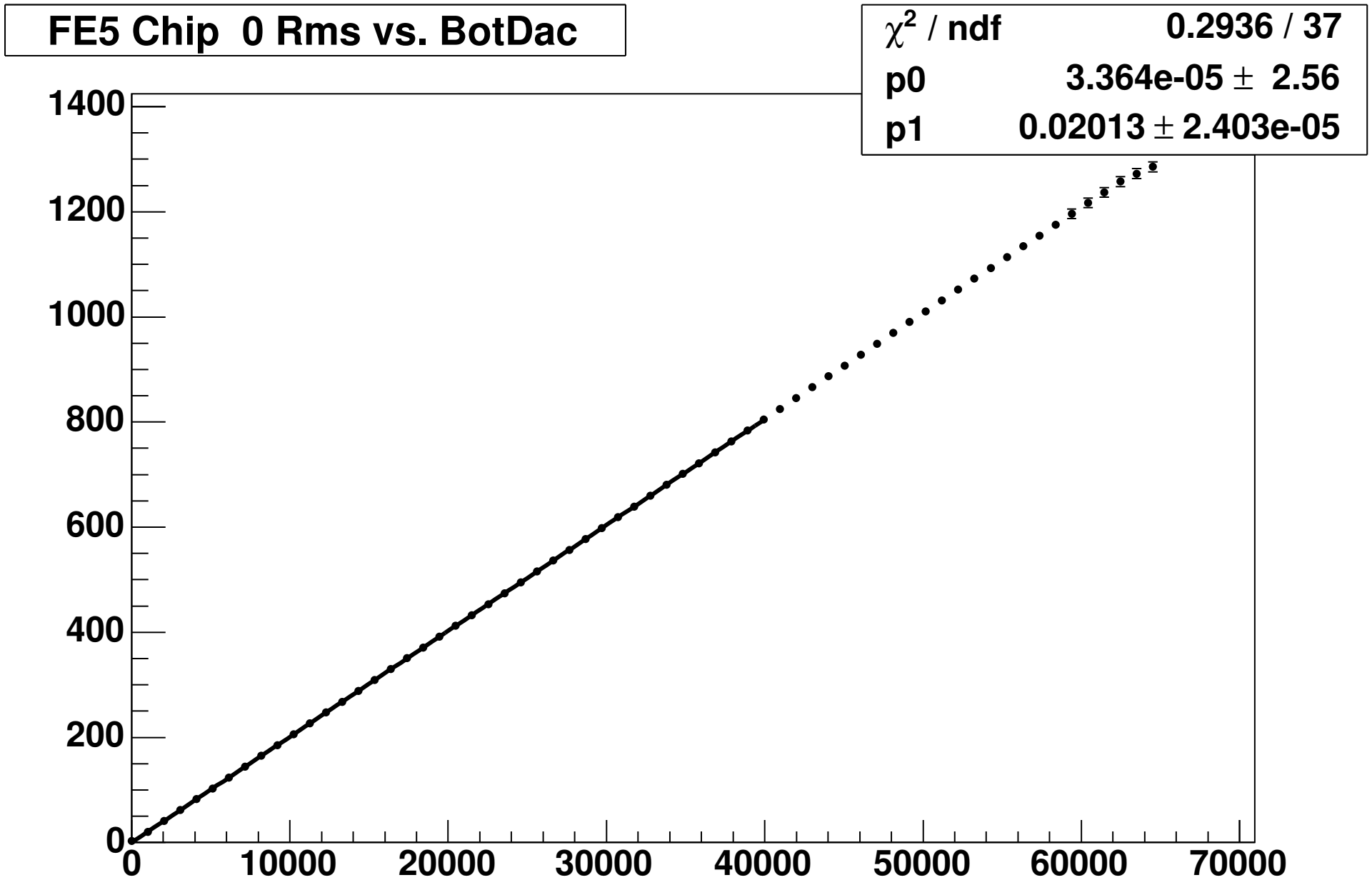
FE5 Chip 0 Rms vs. BotDac
χ² / ndf 0.2936 / 37
p0 3.364e-05 ± 2.56
p1 0.02013 ± 2.403e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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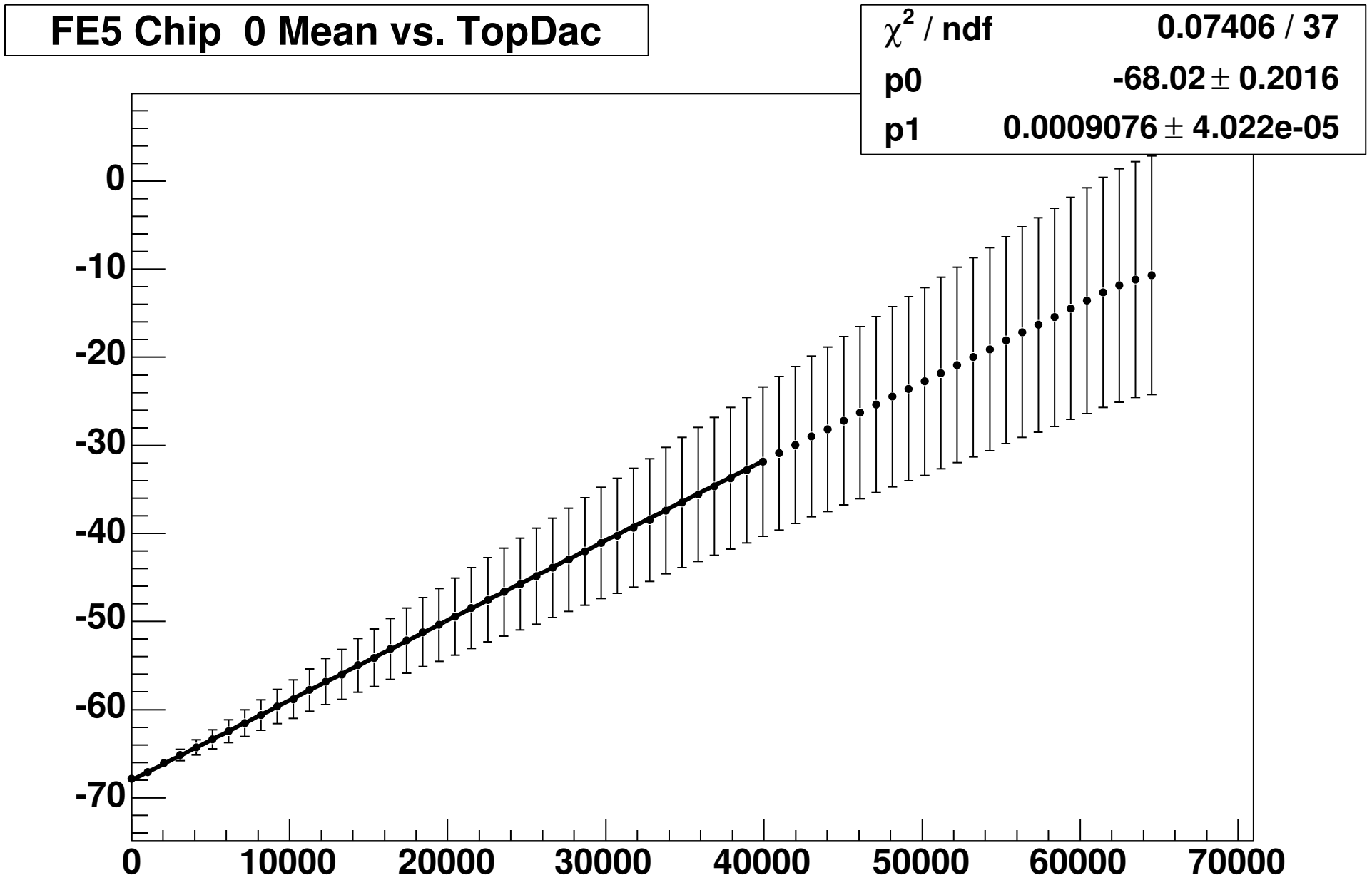
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 0.07406 / 37
p0 -68.02 ± 0.2016
p1 0.0009076 ± 4.022e-05
0
-10
-20
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-40
-50
-60
-70
0
10000
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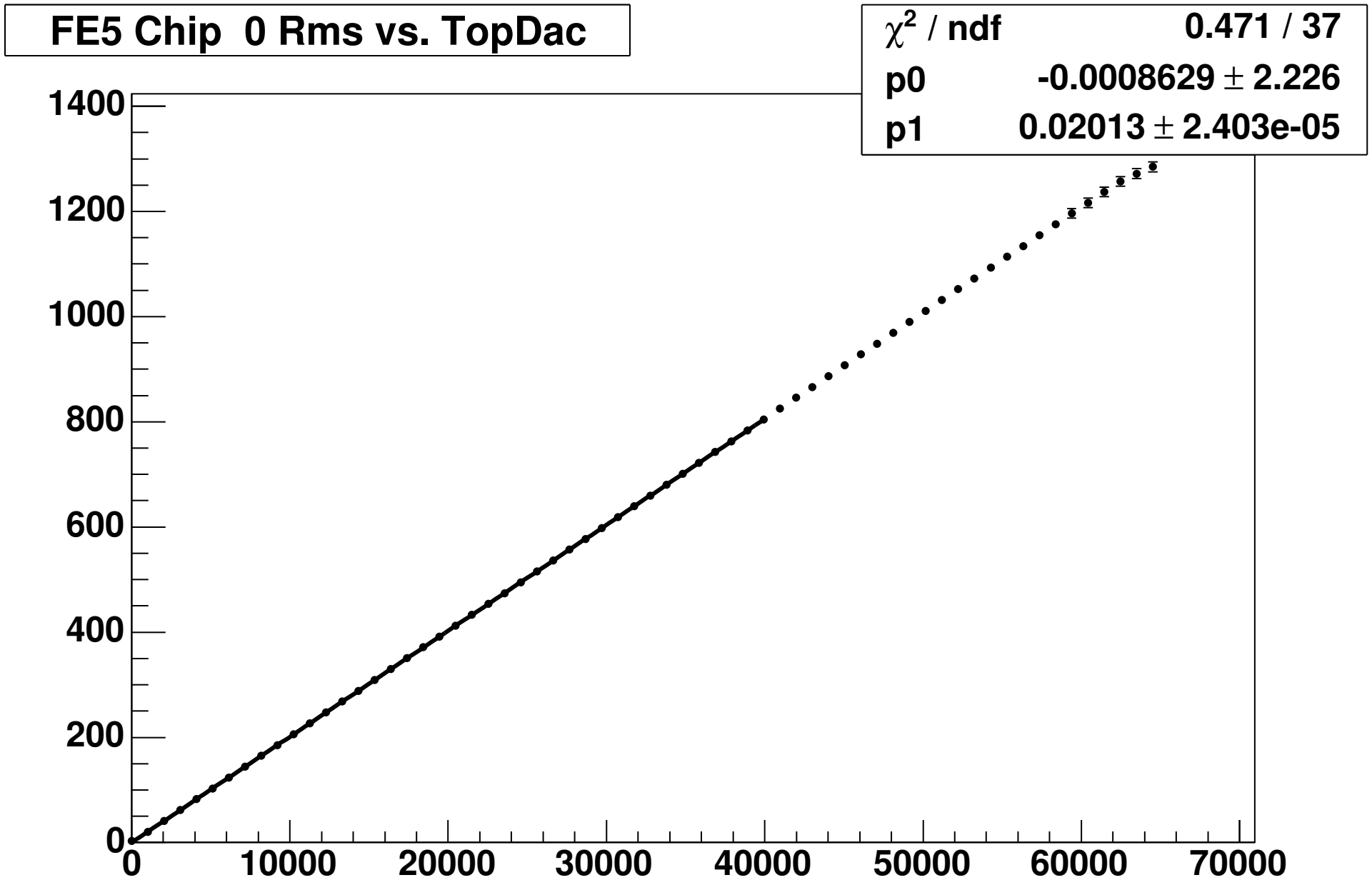
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 0.471 / 37
p0 -0.0008629 ± 2.226
p1 0.02013 ± 2.403e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
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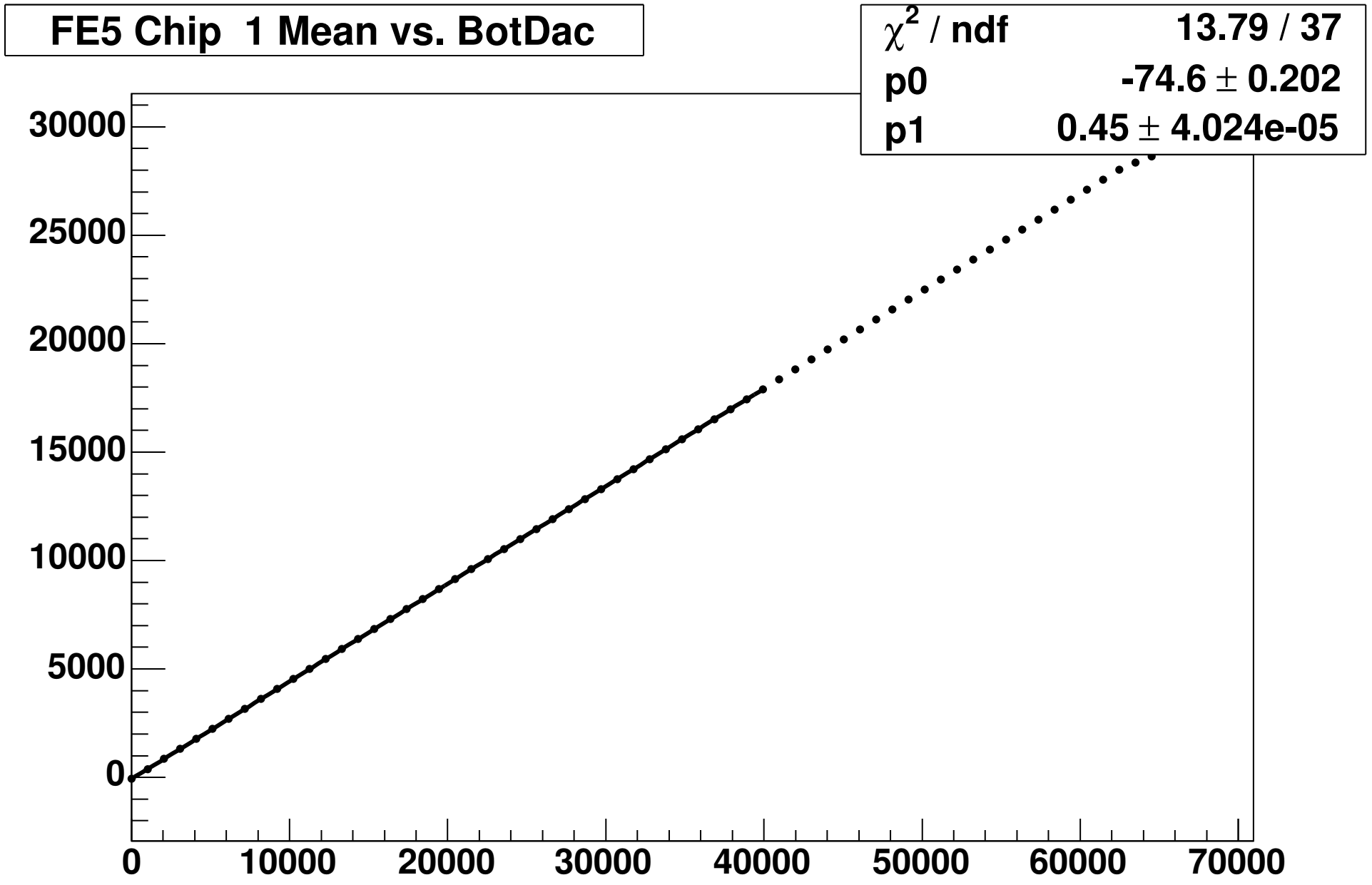
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 13.79 / 37
p0 -74.6 ± 0.202
p1 0.45 ± 4.024e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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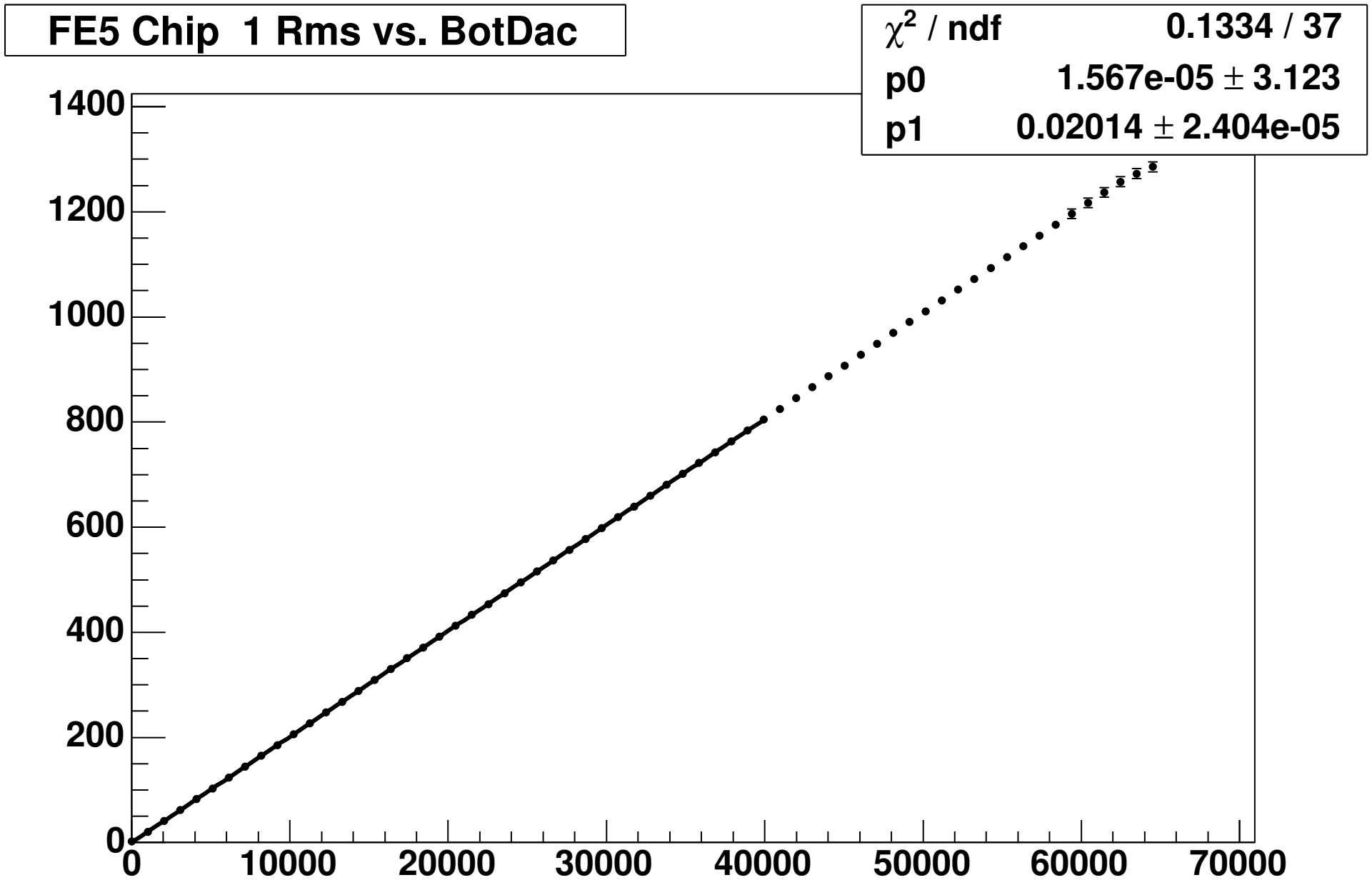
FE5 Chip 1 Rms vs. BotDac
χ² / ndf 0.1334 / 37
p0 1.567e-05 ± 3.123
p1 0.02014 ± 2.404e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
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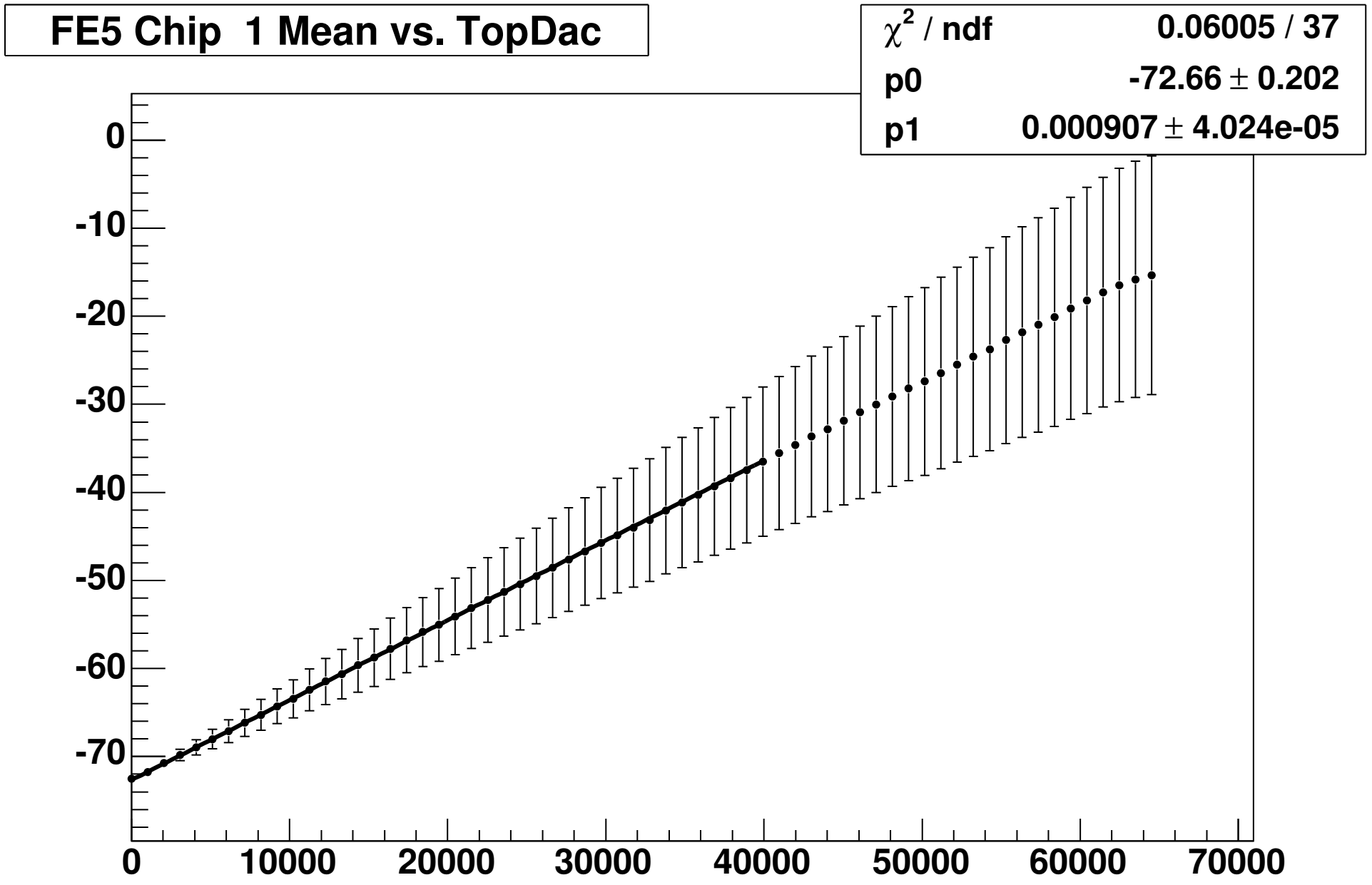
FE5 Chip 1 Mean vs. TopDac
χ² / ndf 0.06005 / 37
p0 -72.66 ± 0.202
p1 0.000907 ± 4.024e-05
0
-10
-20
-30
-40
-50
-60
-70
0
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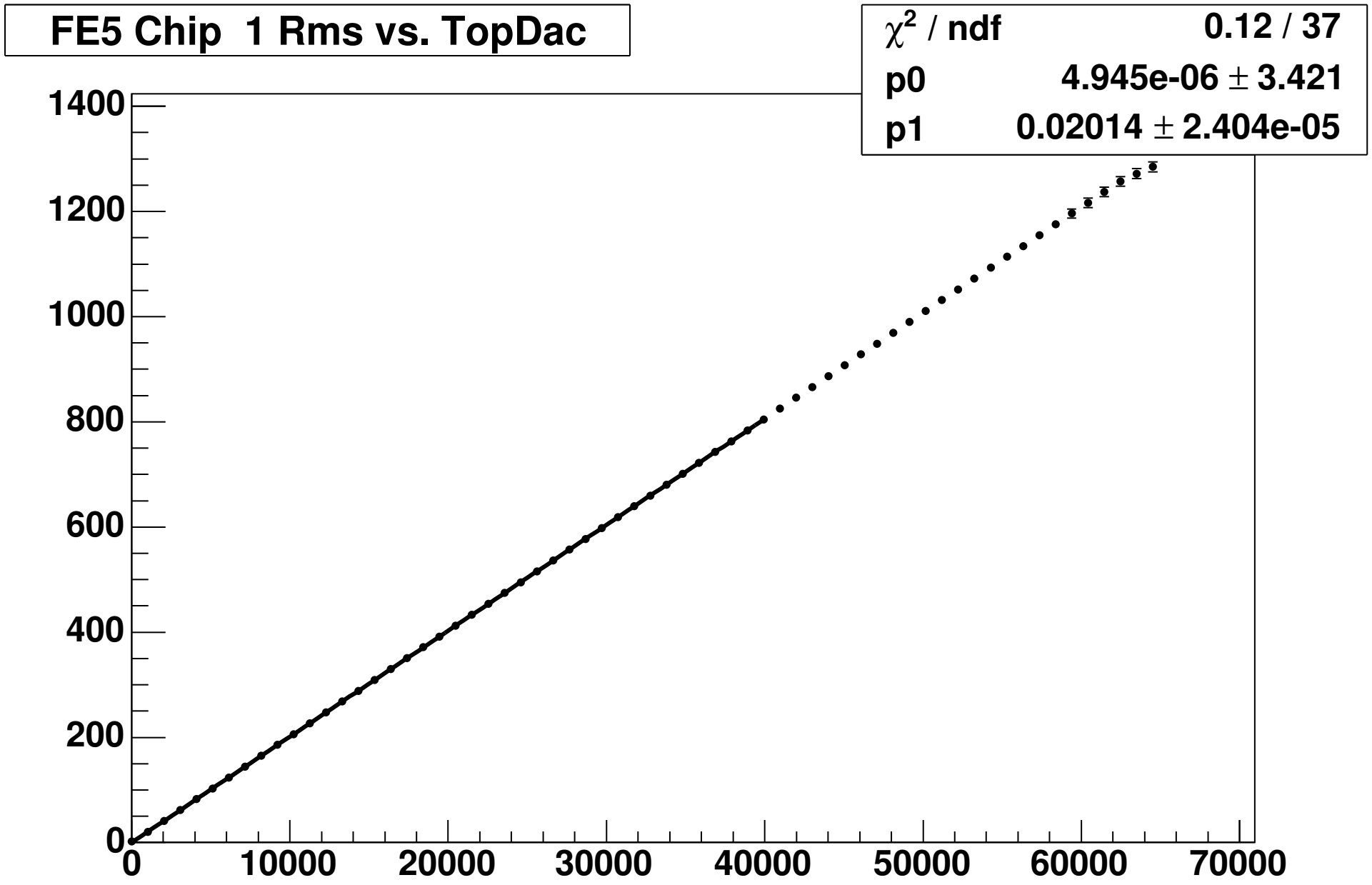
FE5 Chip 1 Rms vs. TopDac
χ² / ndf 0.12 / 37
p0 4.945e-06 ± 3.421
p1 0.02014 ± 2.404e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
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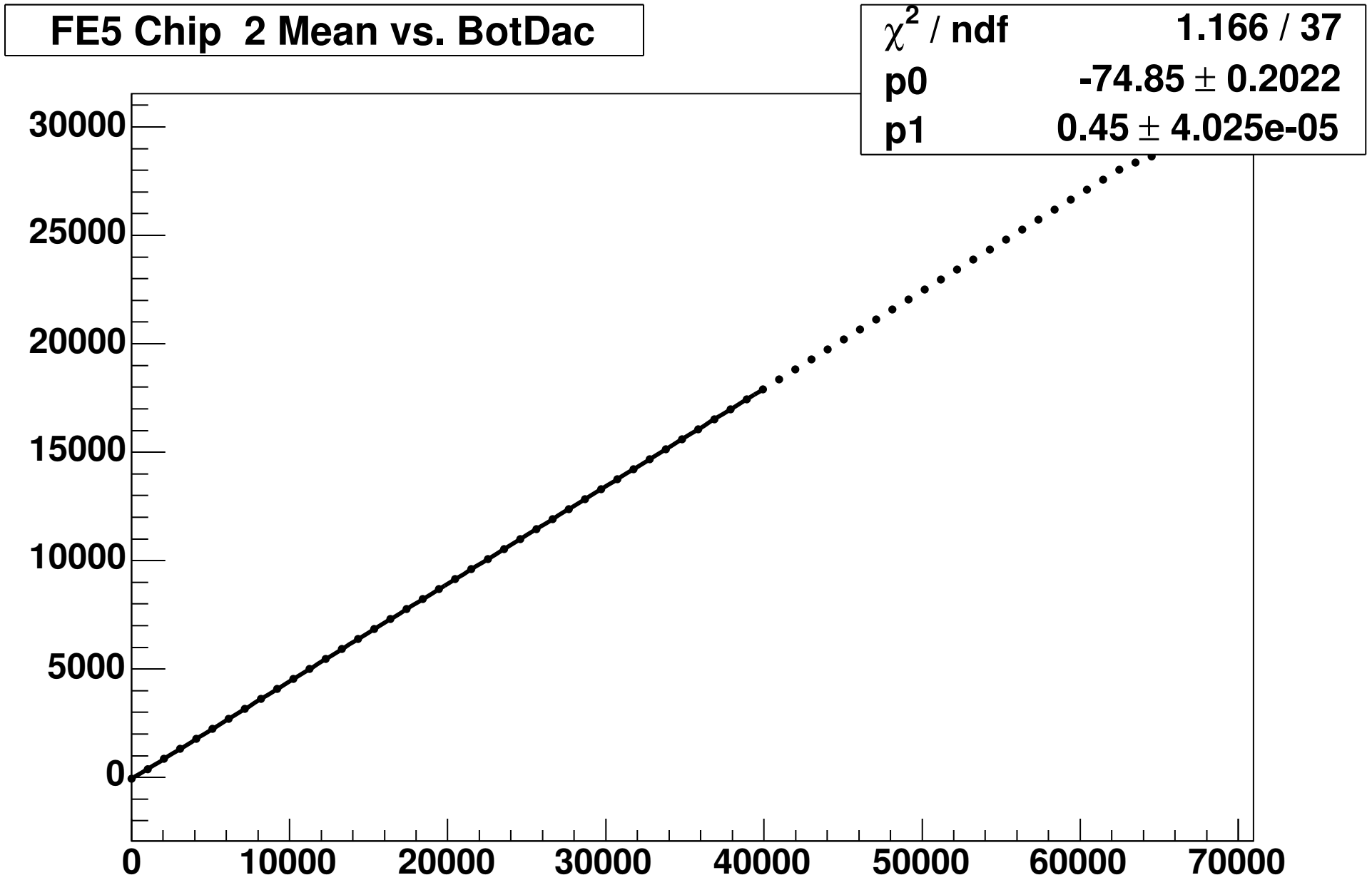
FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.166 / 37
p0 -74.85 ± 0.2022
p1 0.45 ± 4.025e-05
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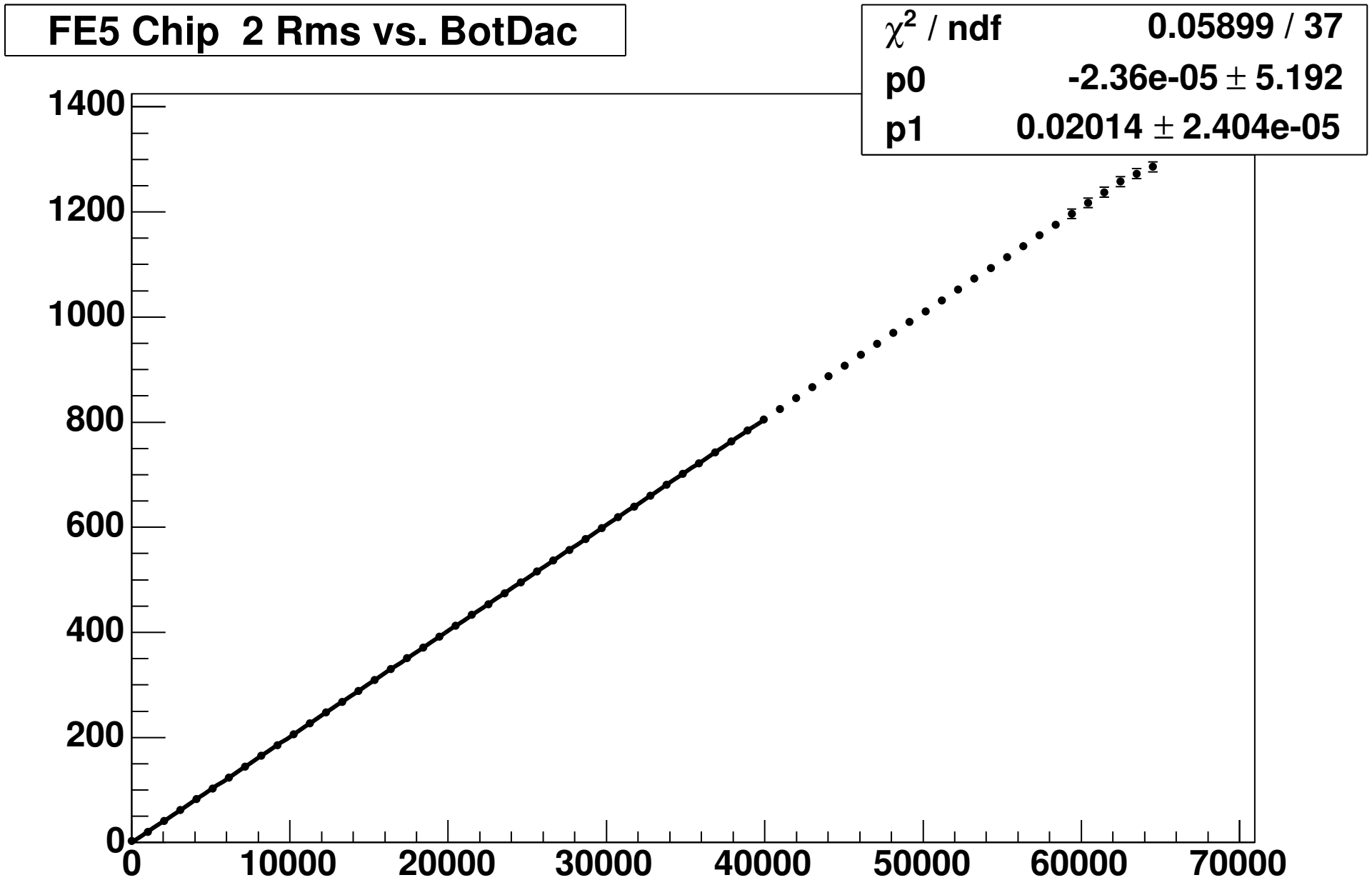
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 0.05899 / 37
p0 -2.36e-05 ± 5.192
p1 0.02014 ± 2.404e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
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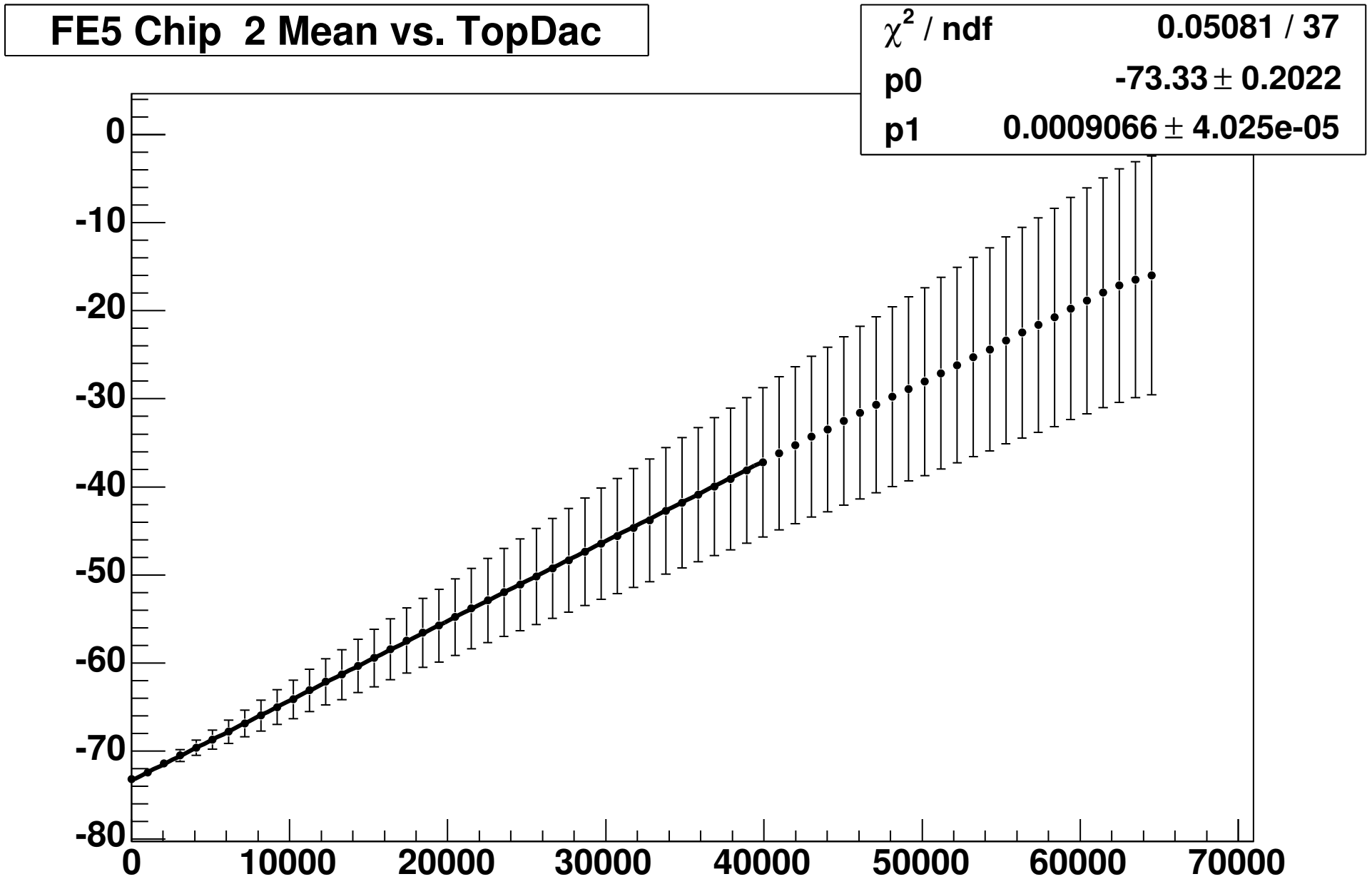
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 0.05081 / 37
p0 -73.33 ± 0.2022
p1 0.0009066 ± 4.025e-05
0
-10
-20
-30
-40
-50
-60
-70
-80
0
10000
20000
30000
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50000
60000
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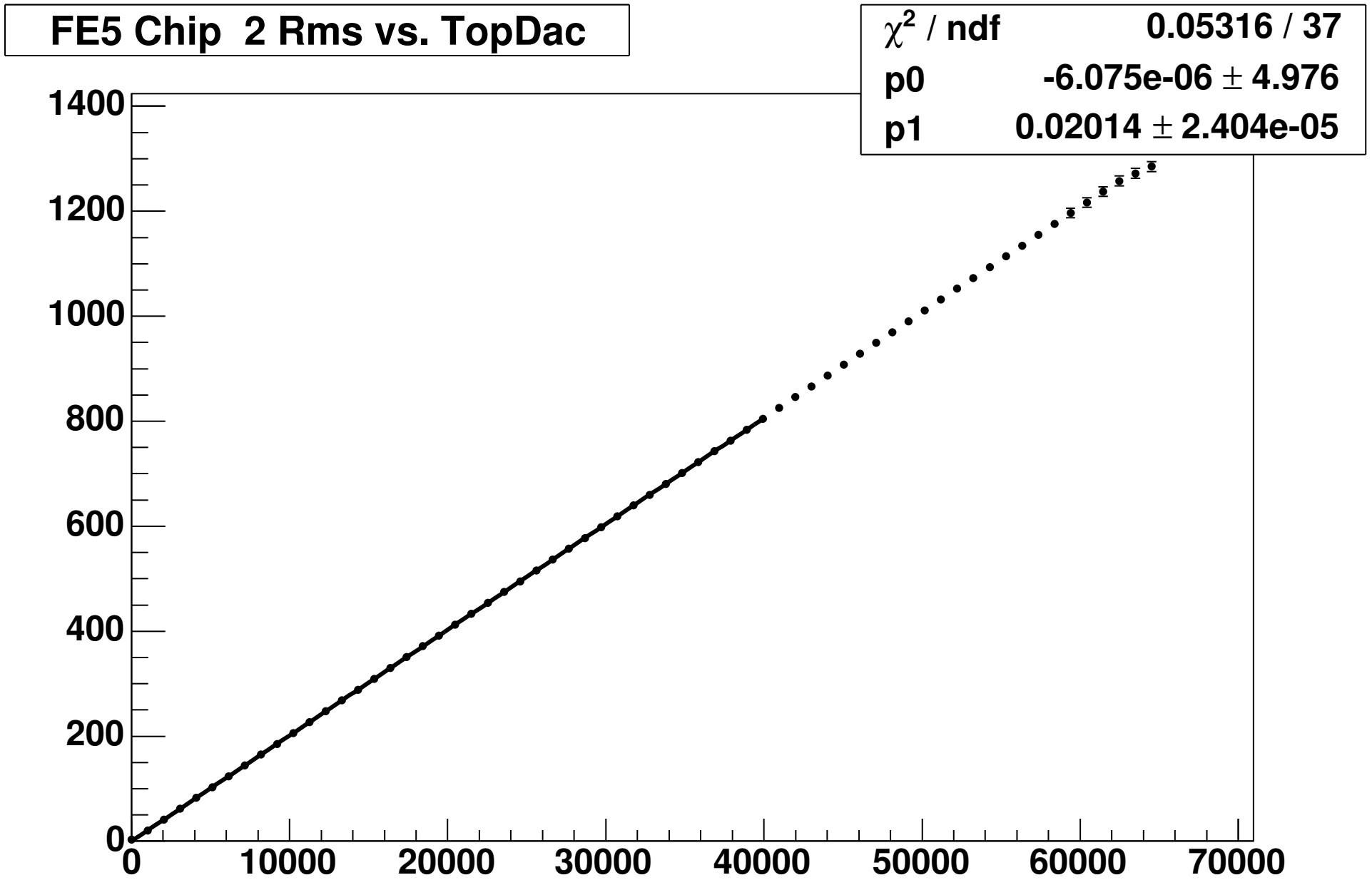
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 0.05316 / 37
p0 -6.075e-06 ± 4.976
p1 0.02014 ± 2.404e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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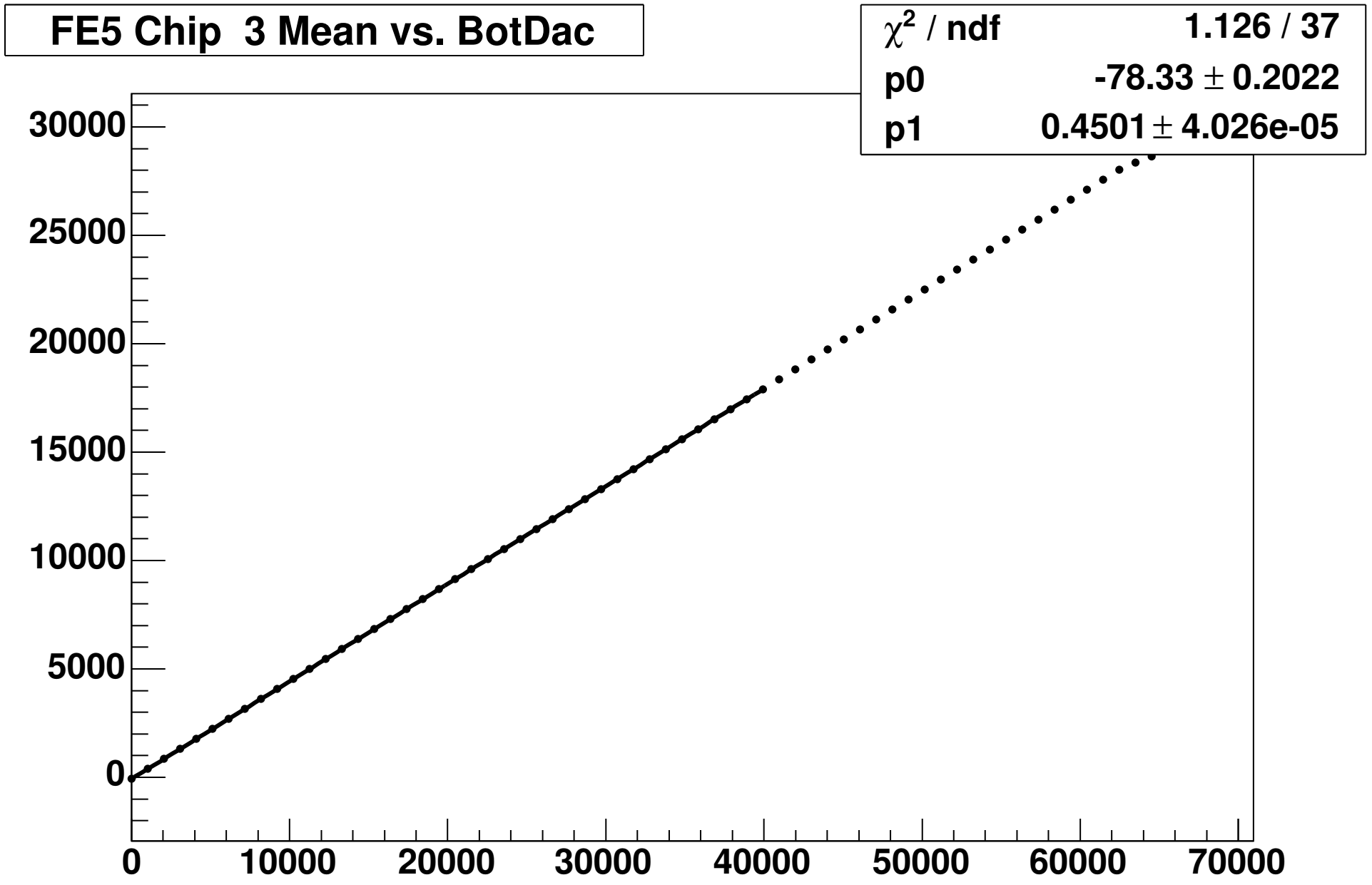
70000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.126 / 37
p0 -78.33 ± 0.2022
p1 0.4501 ± 4.026e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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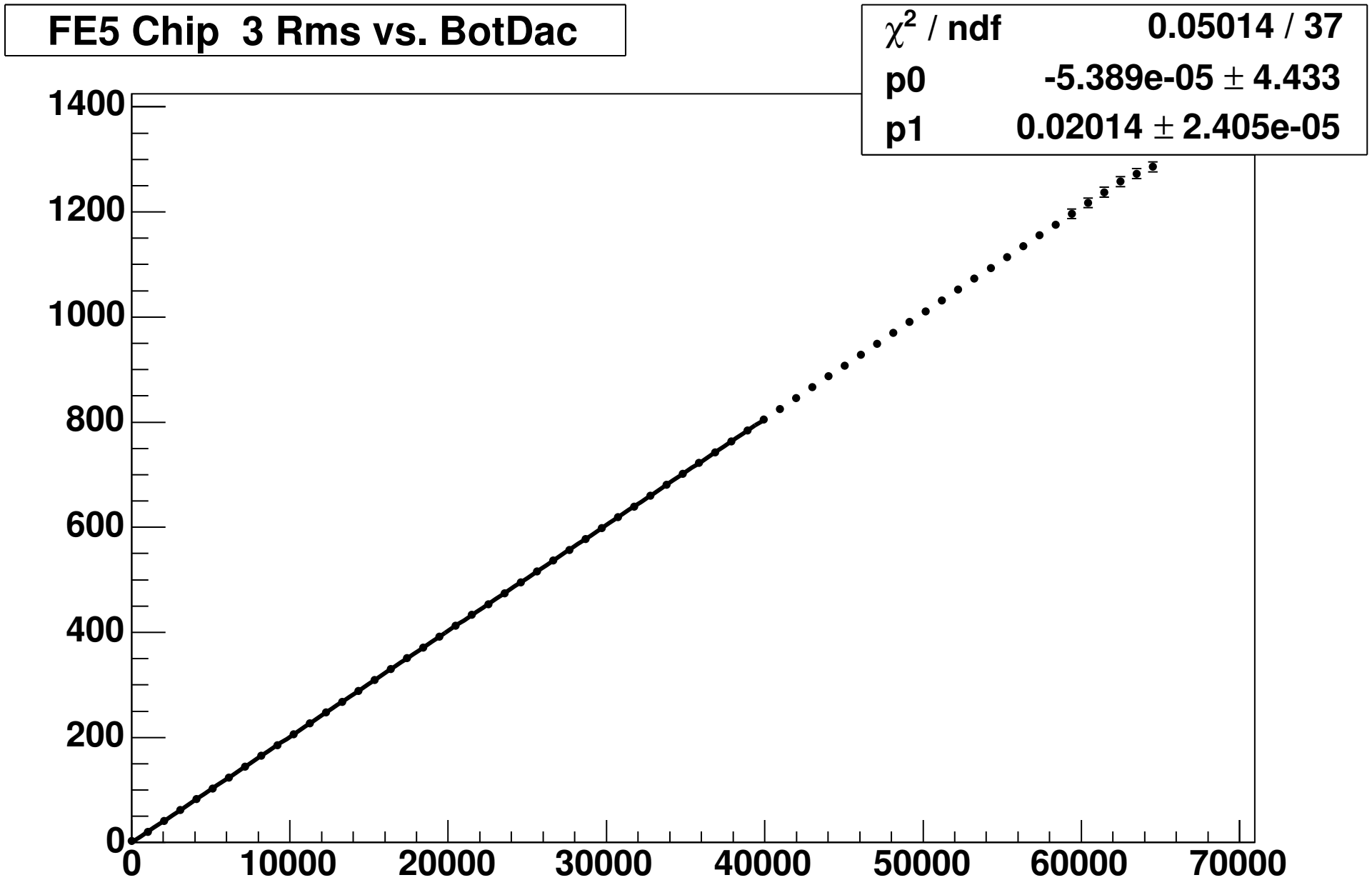
FE5 Chip 3 Rms vs. BotDac
χ² / ndf 0.05014 / 37
p0 -5.389e-05 ± 4.433
p1 0.02014 ± 2.405e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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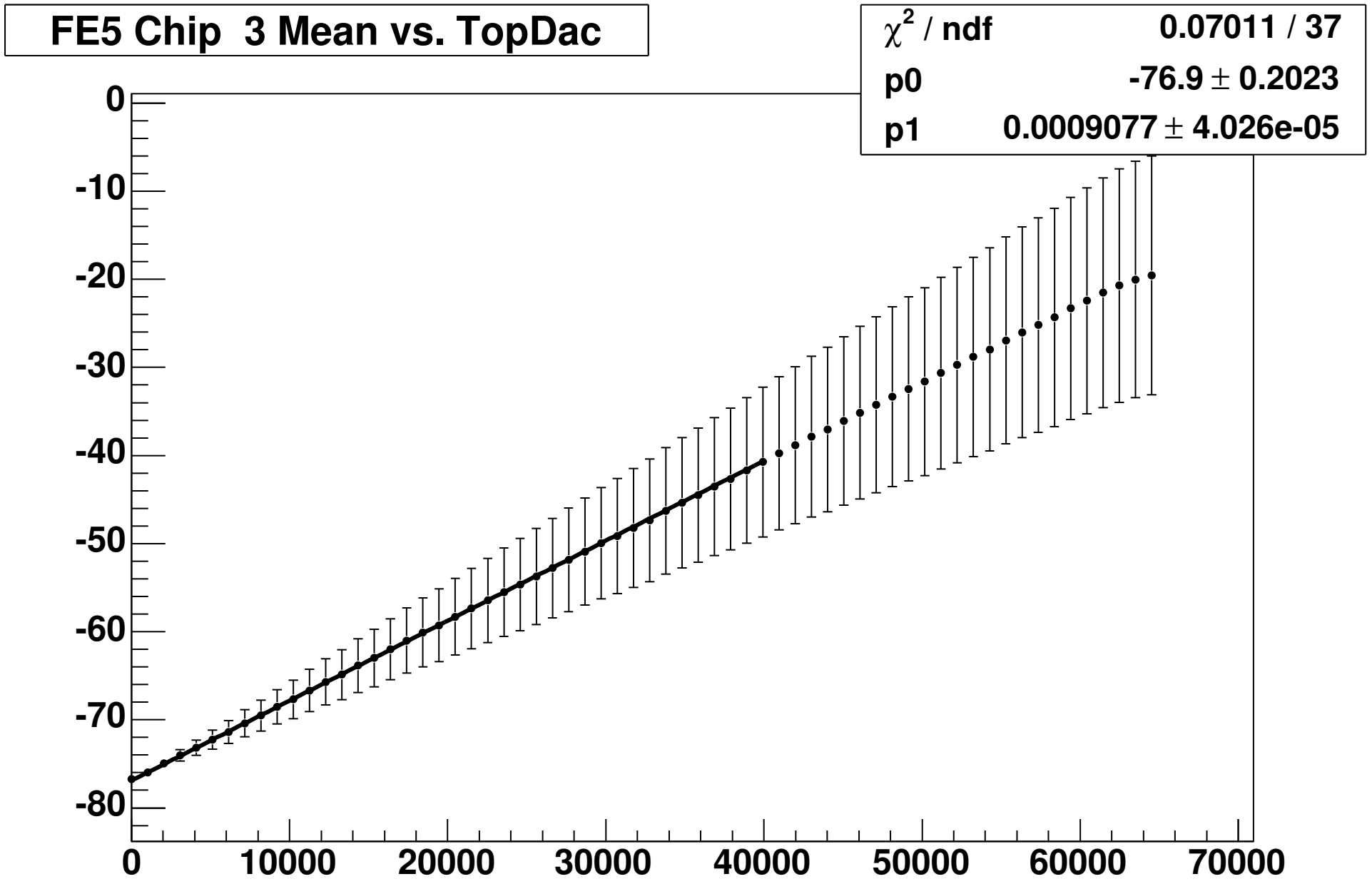
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 0.07011 / 37
p0 -76.9 ± 0.2023
p1 0.0009077 ± 4.026e-05
0
-10
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-60
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-80
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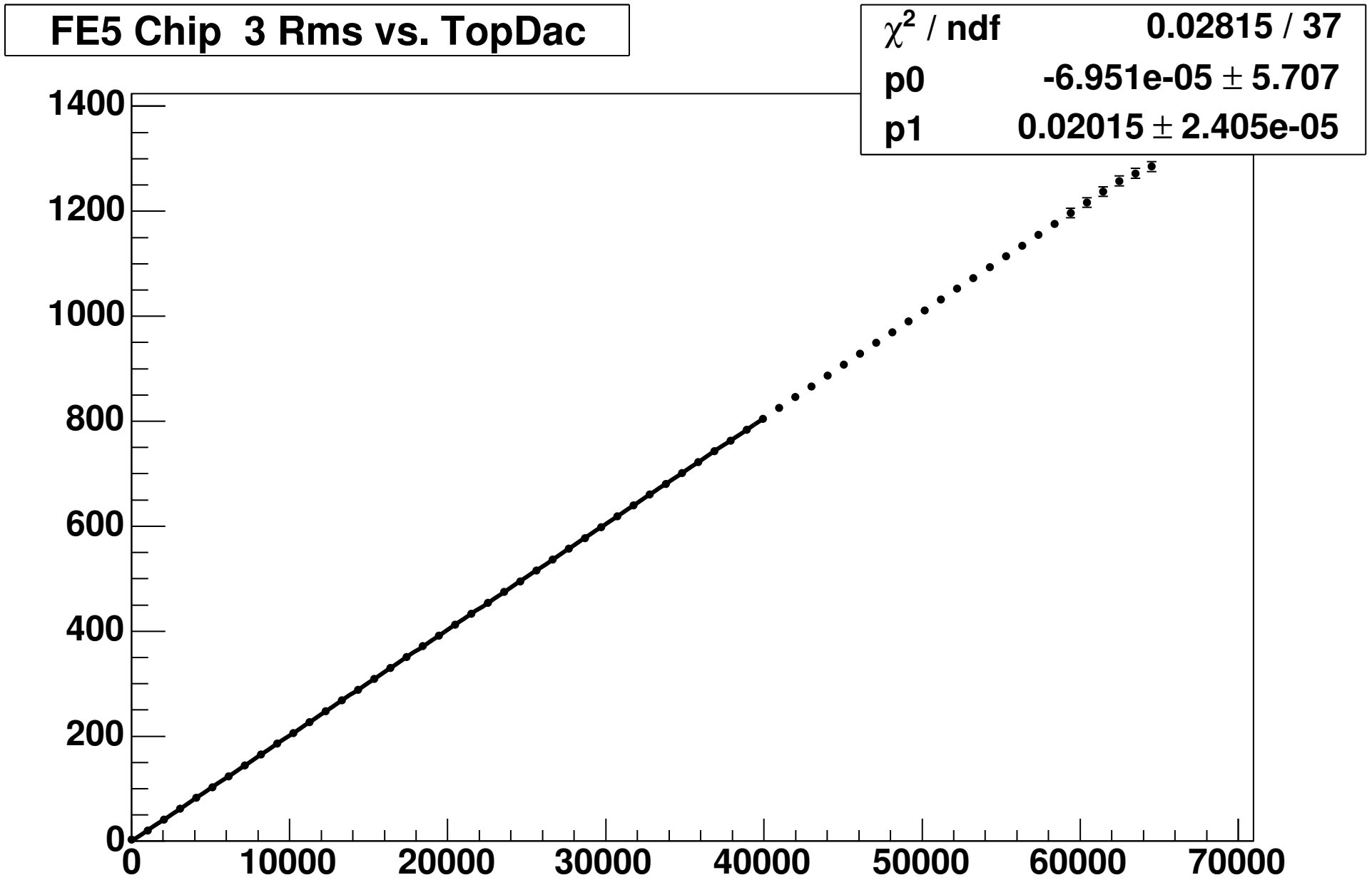
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 0.02815 / 37
p0 -6.951e-05 ± 5.707
p1 0.02015 ± 2.405e-05
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1000
800
600
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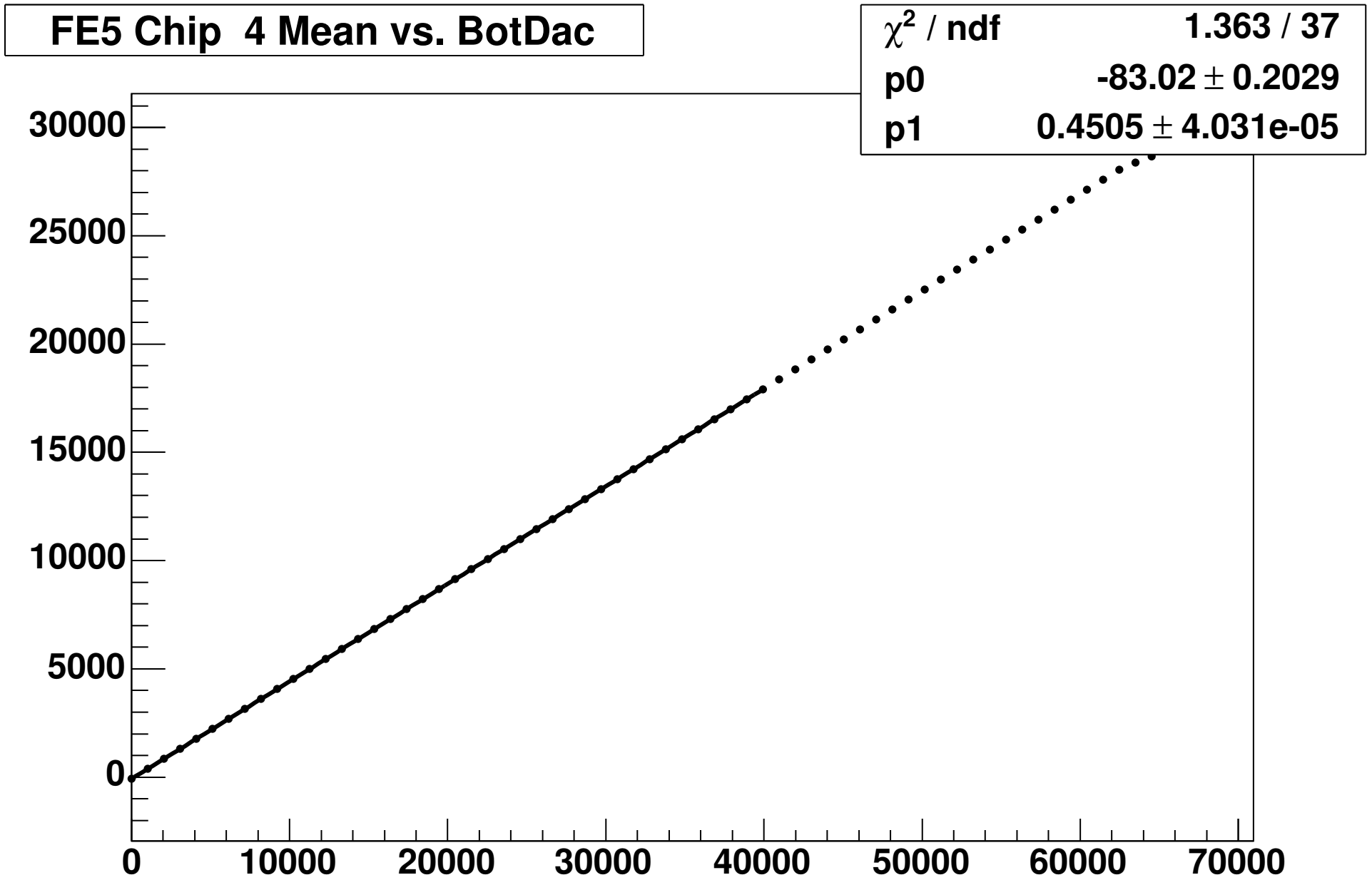
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.363 / 37
p0 -83.02 ± 0.2029
p1 0.4505 ± 4.031e-05
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25000
20000
15000
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5000
0
0
10000
20000
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50000
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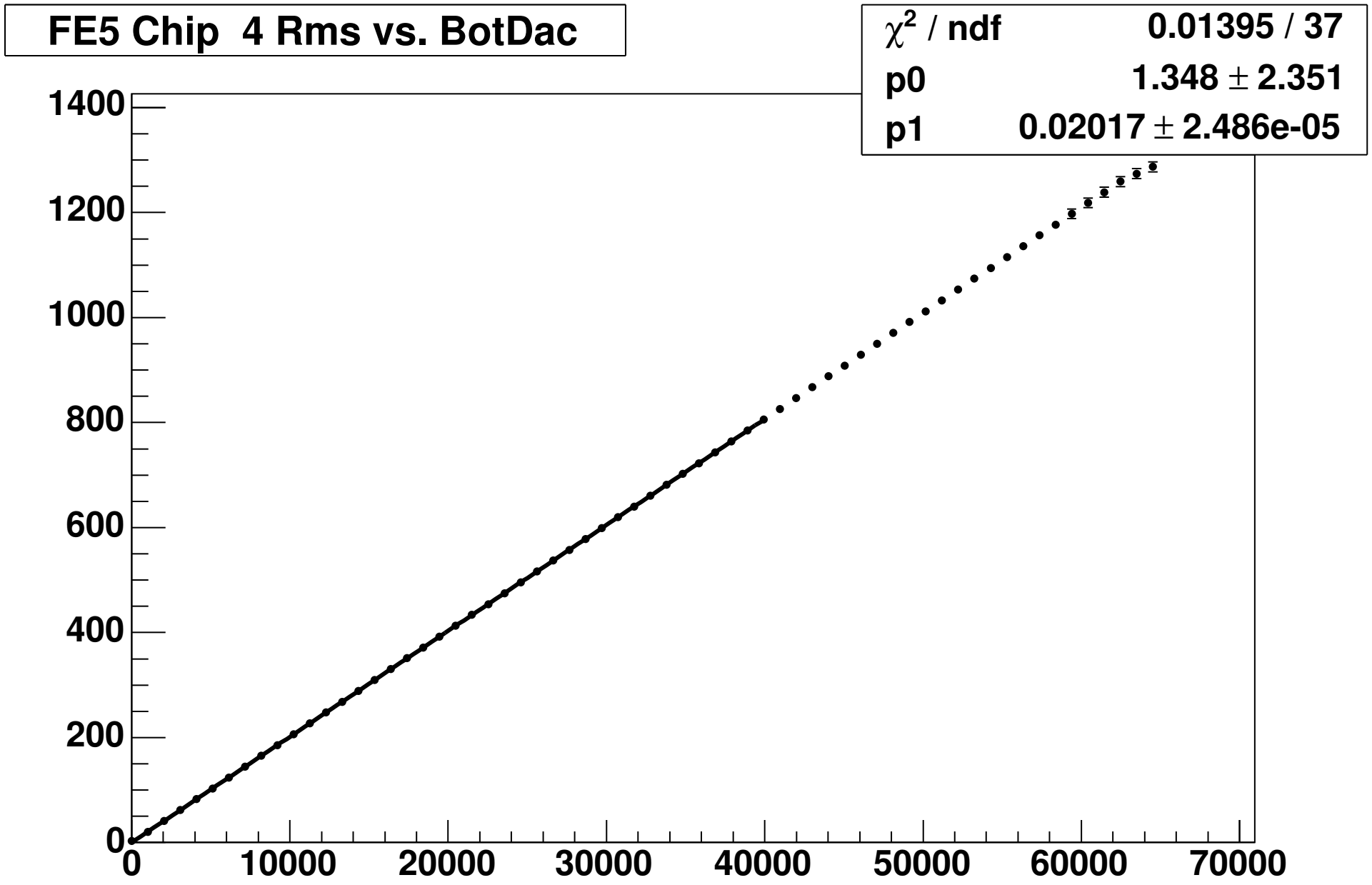
FE5 Chip 4 Rms vs. BotDac
χ² / ndf 0.01395 / 37
p0 1.348 ± 2.351
p1 0.02017 ± 2.486e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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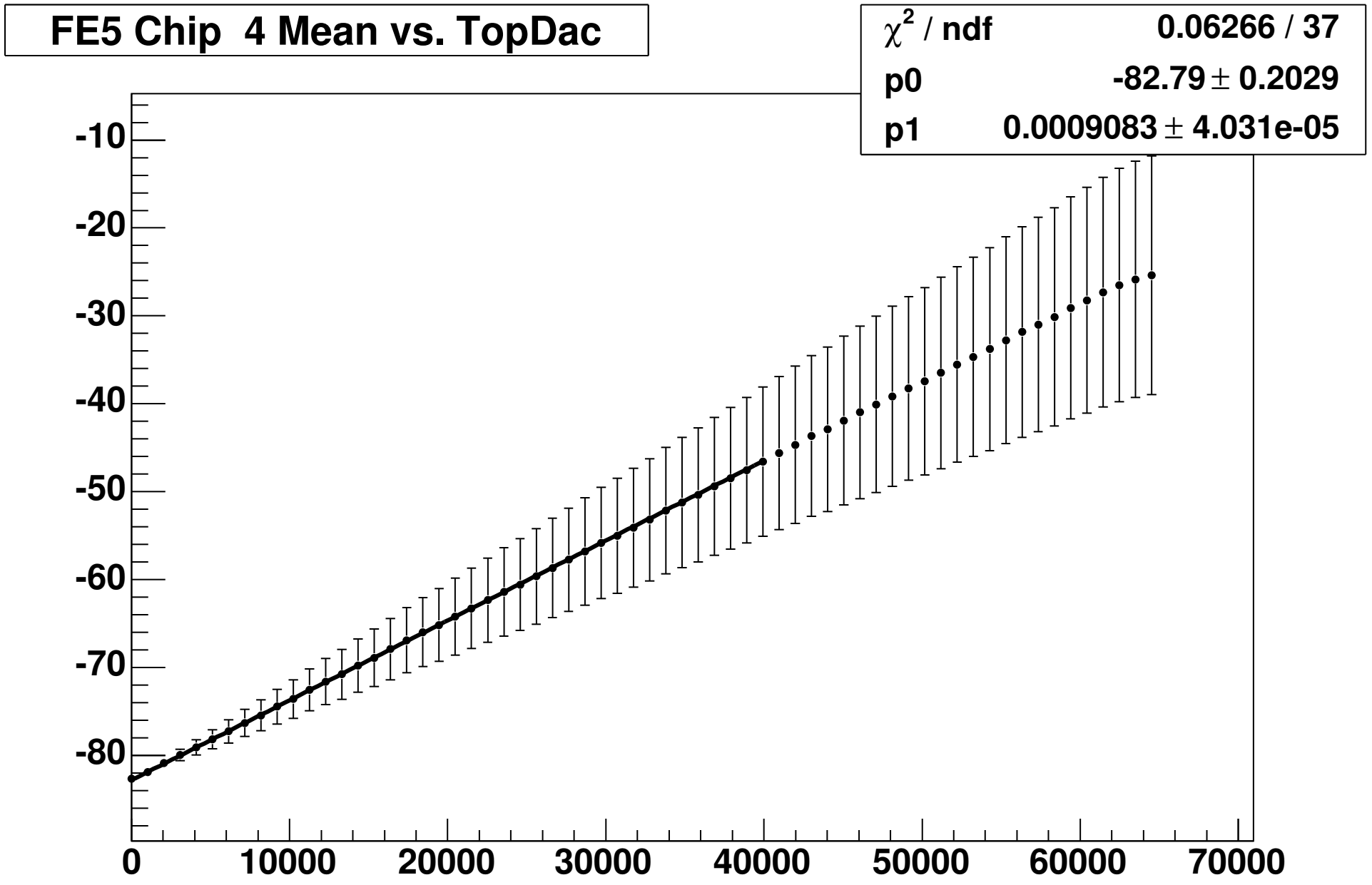
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 0.06266 / 37
p0 -82.79 ± 0.2029
p1 0.0009083 ± 4.031e-05
-10
-20
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-50
-60
-70
-80
0
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20000
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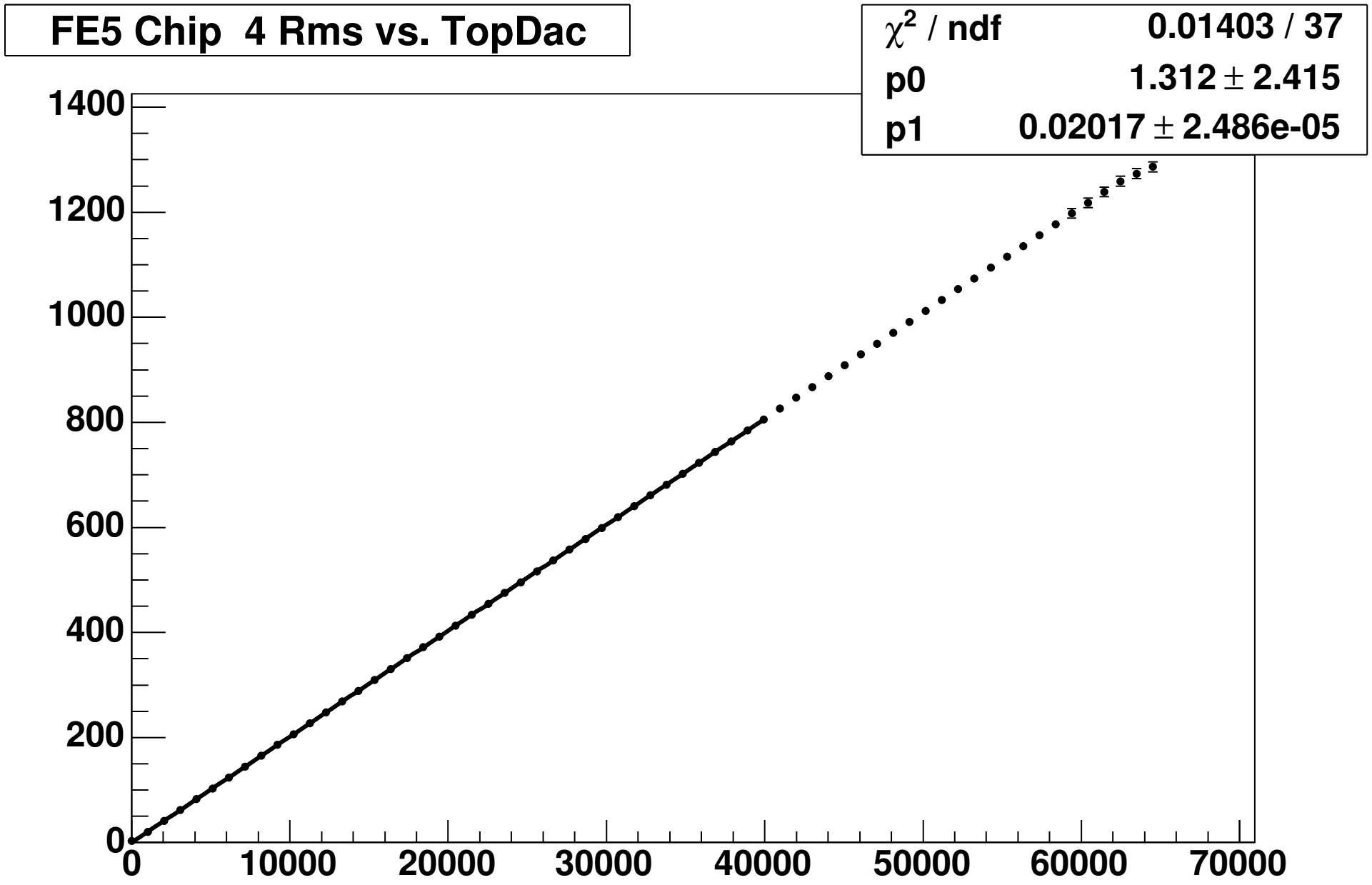
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 0.01403 / 37
p0 1.312 ± 2.415
p1 0.02017 ± 2.486e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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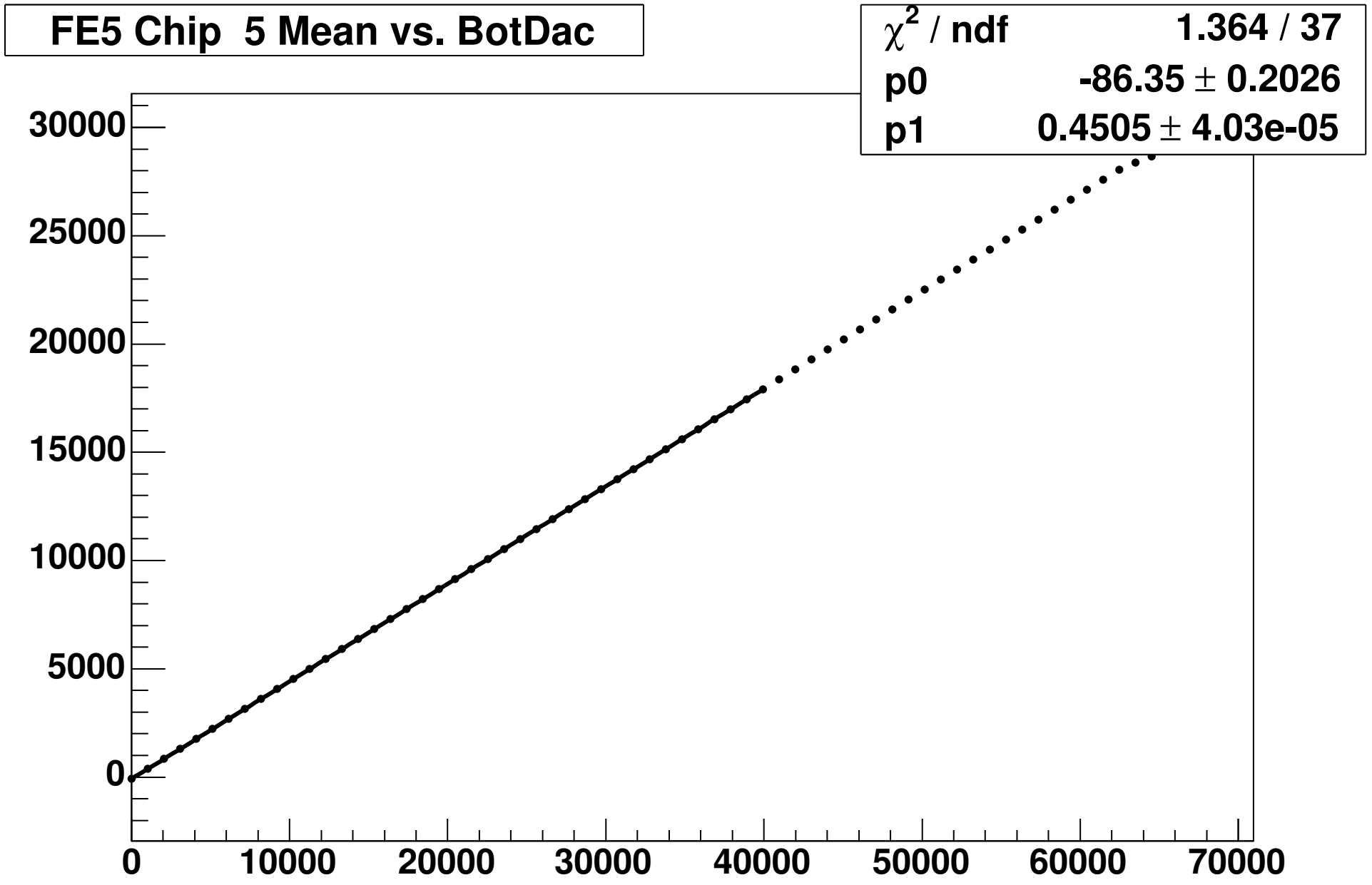
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.364 / 37
p0 -86.35 ± 0.2026
p1 0.4505 ± 4.03e-05
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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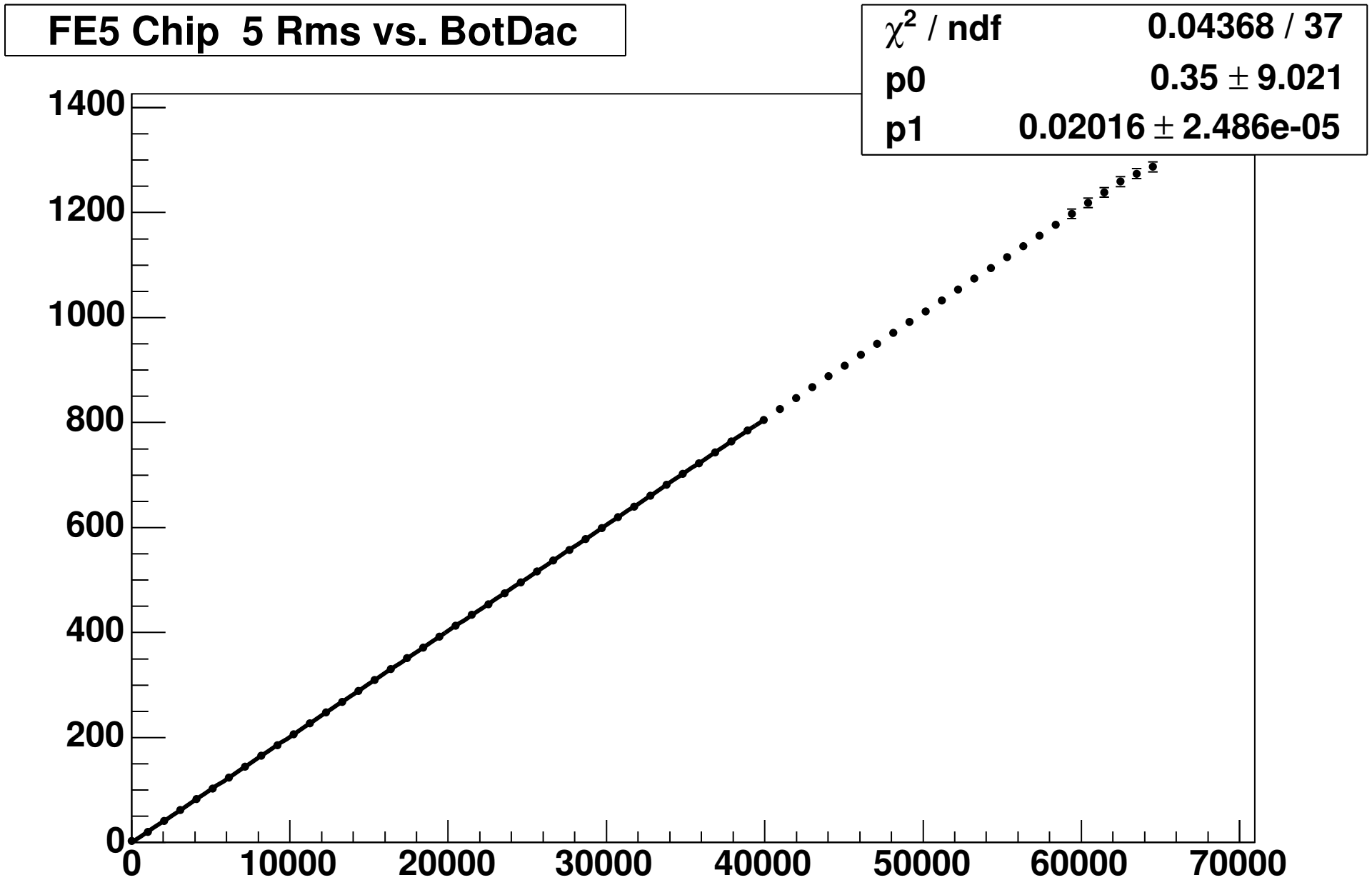
FE5 Chip 5 Rms vs. BotDac
χ² / ndf 0.04368 / 37
p0 0.35 ± 9.021
p1 0.02016 ± 2.486e-05
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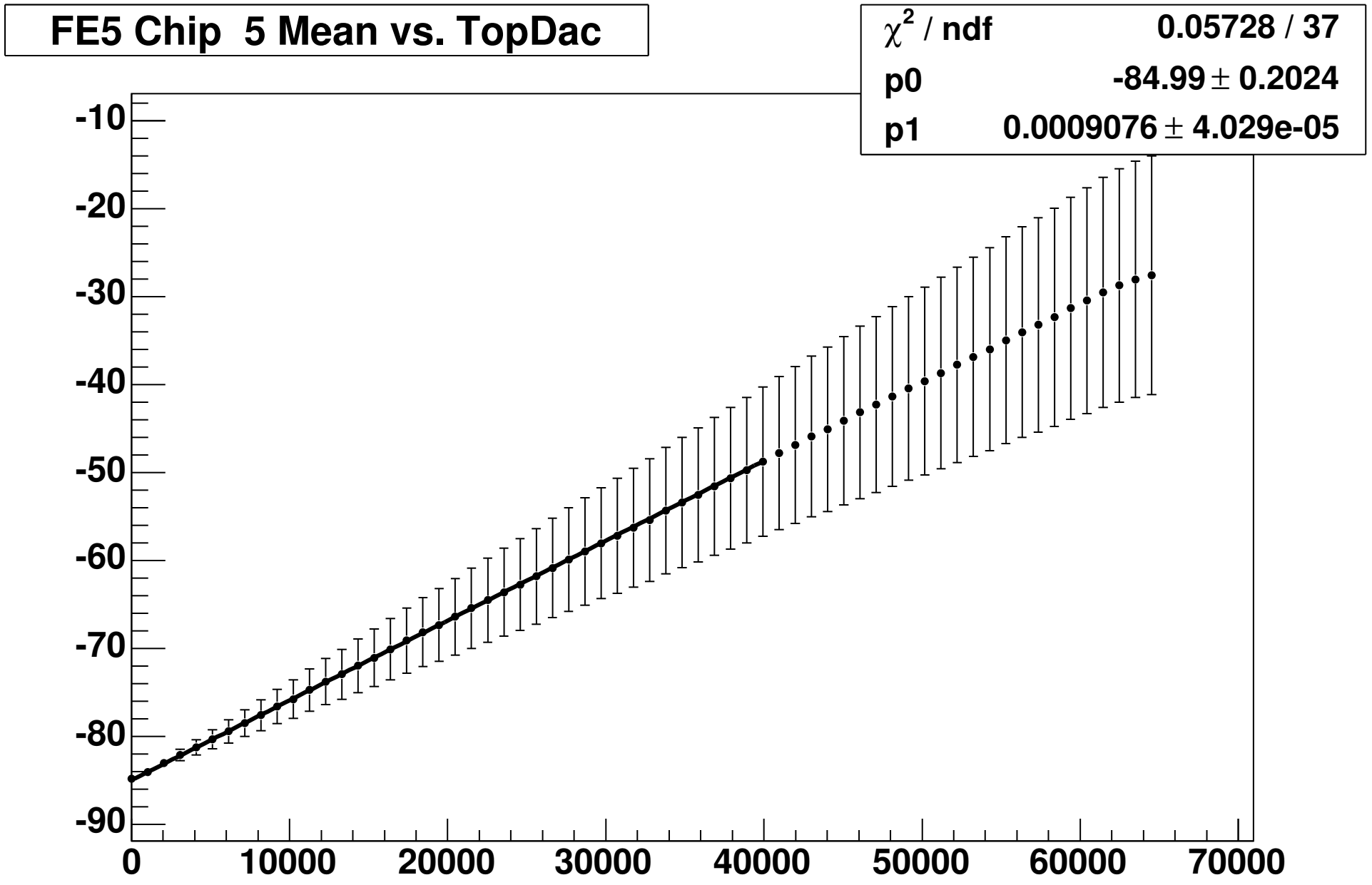
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 0.05728 / 37
p0 -84.99 ± 0.2024
p1 0.0009076 ± 4.029e-05
-10
-20
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-40
-50
-60
-70
-80
-90
0
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20000
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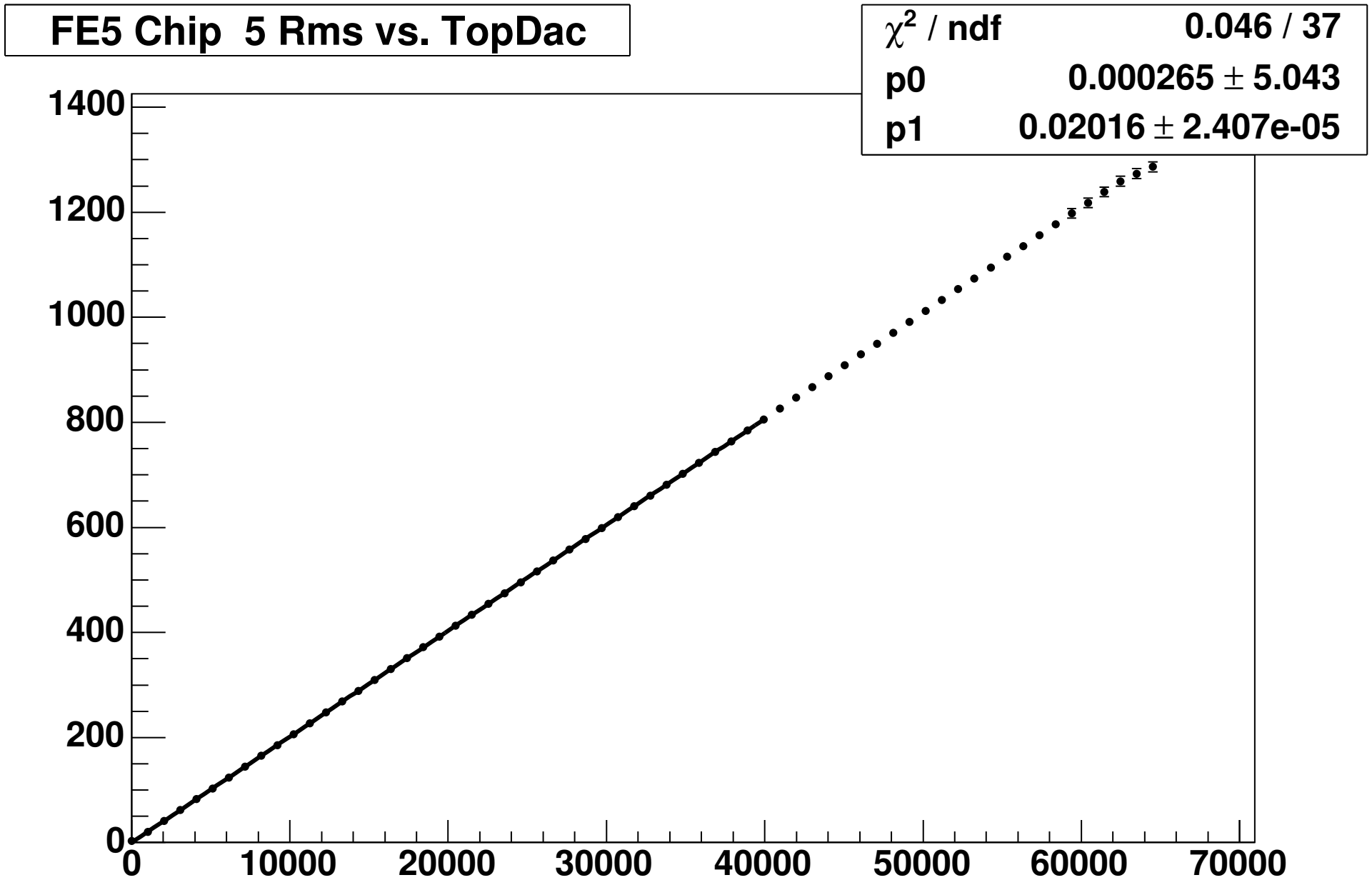
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 0.046 / 37
p0 0.000265 ± 5.043
p1 0.02016 ± 2.407e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
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50000
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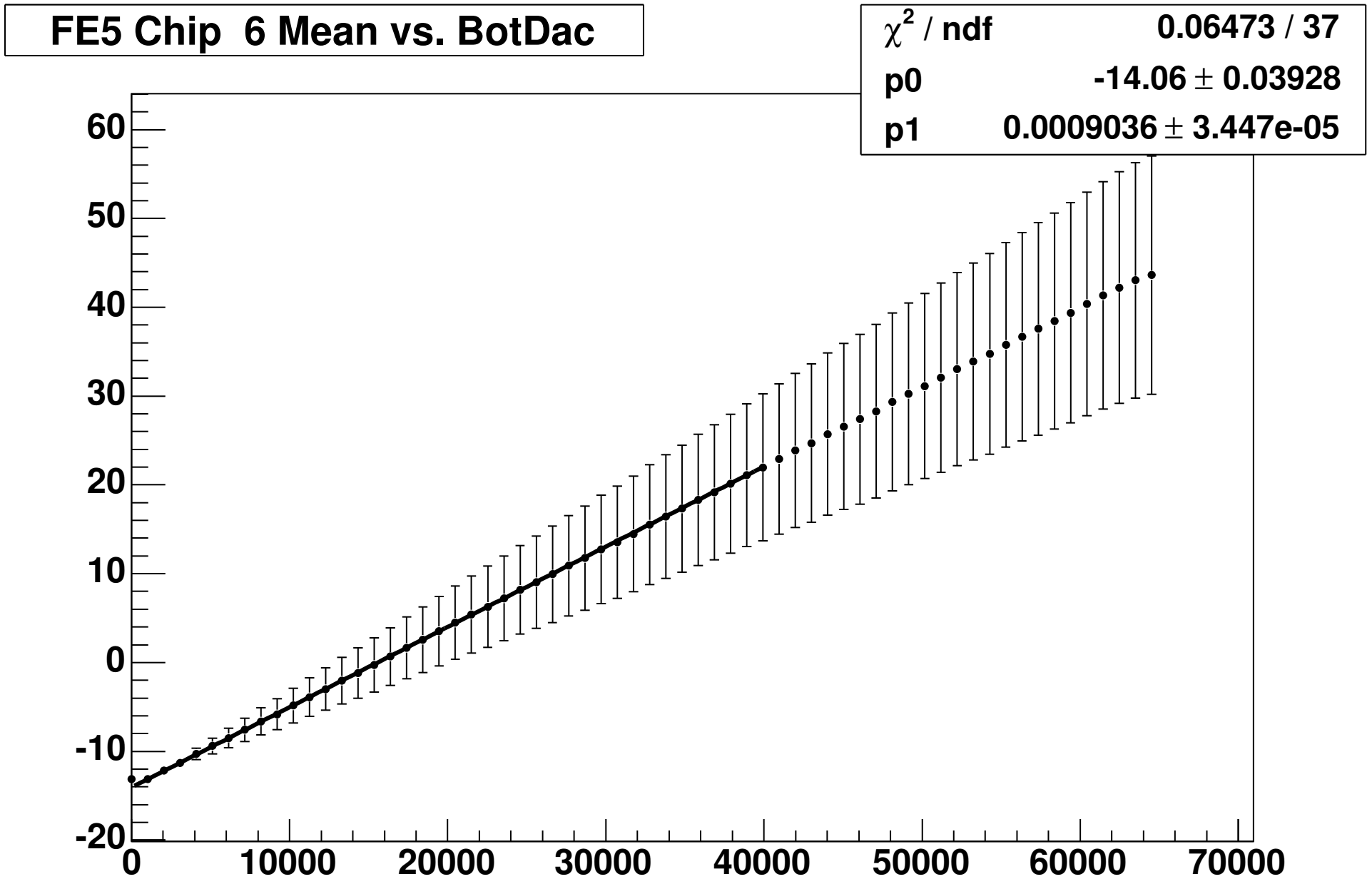
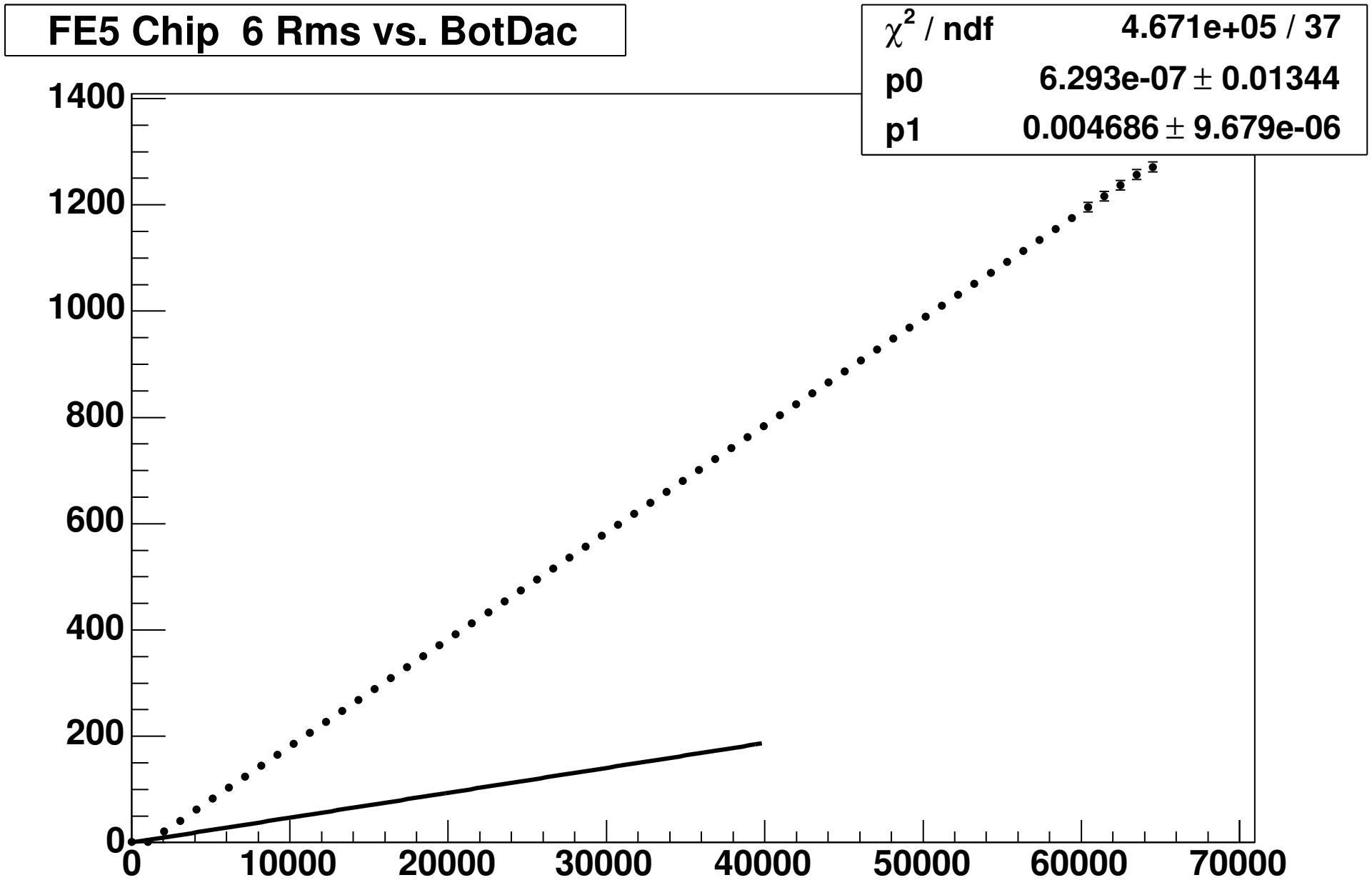
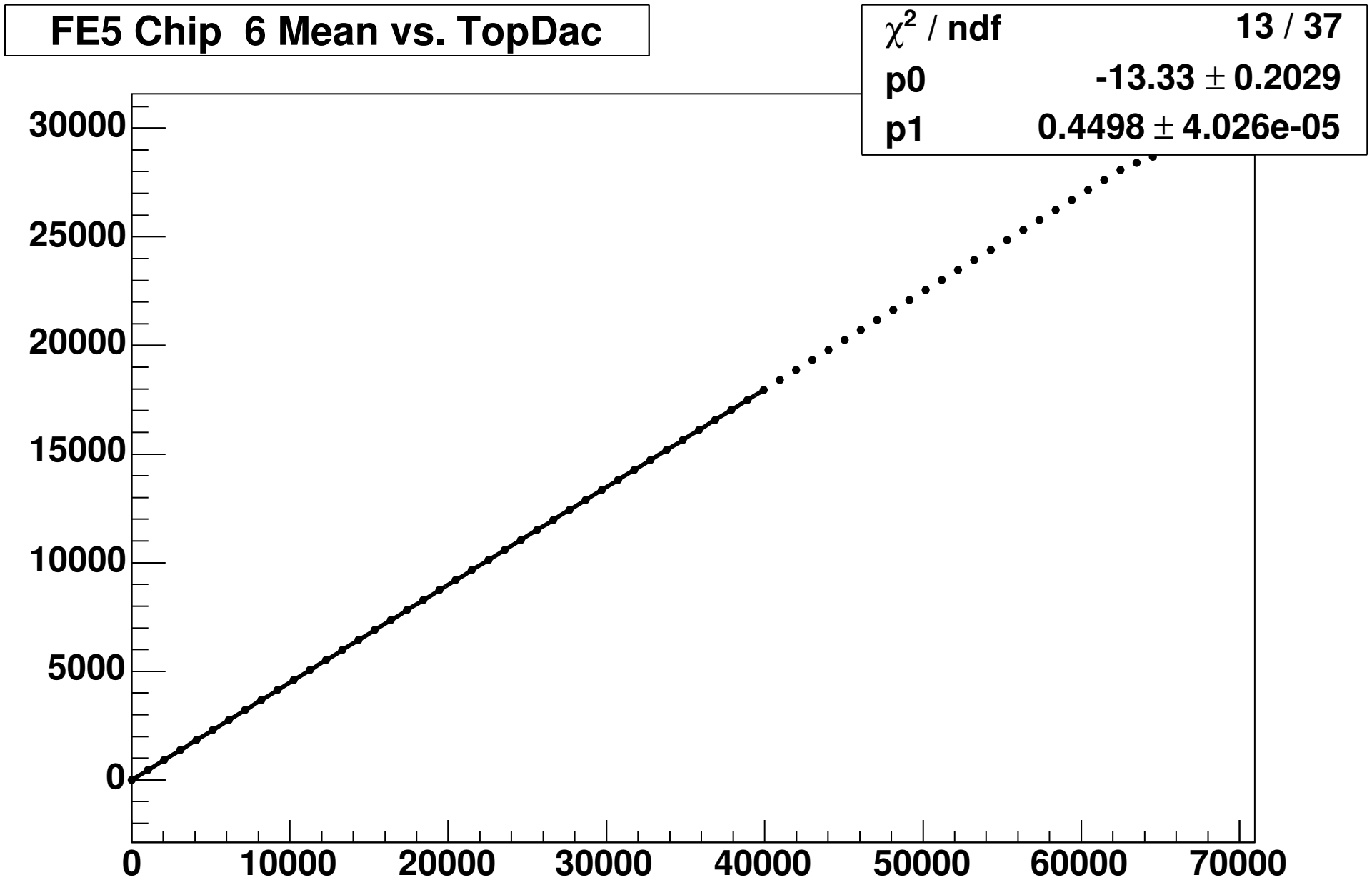
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 0.06473 / 37
p0 -14.06 ± 0.03928
p1 0.0009036 ± 3.447e-05
60
50
40
30
20
10
0
-10
-20
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 4.671e+05 / 37
p0 6.293e-07 ± 0.01344
p1 0.004686 ± 9.679e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 13 / 37
p0 -13.33 ± 0.2029
p1 0.4498 ± 4.026e-05
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20000
15000
10000
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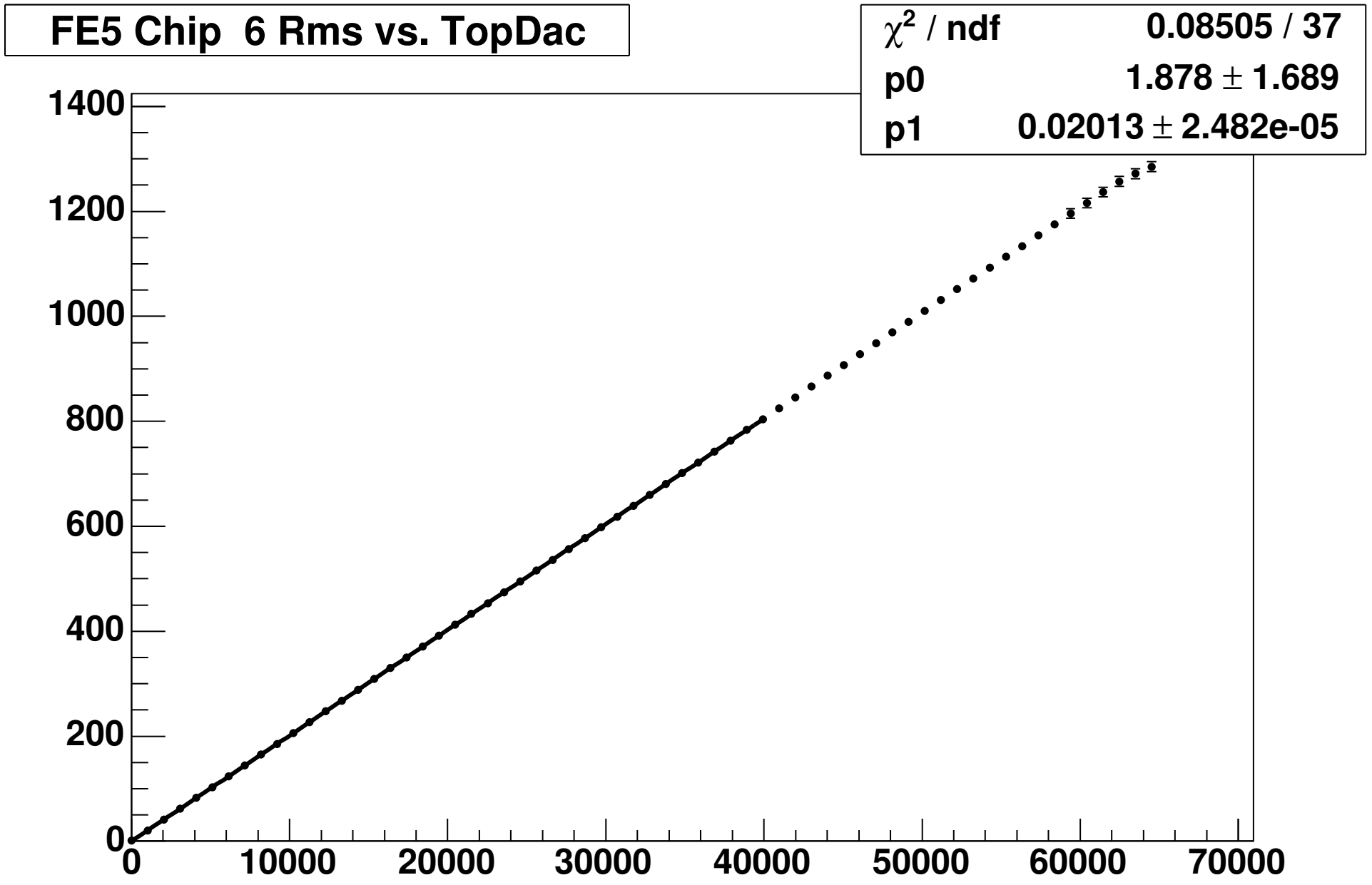
FE5 Chip 6 Rms vs. TopDac
χ² / ndf 0.08505 / 37
p0 1.878 ± 1.689
p1 0.02013 ± 2.482e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
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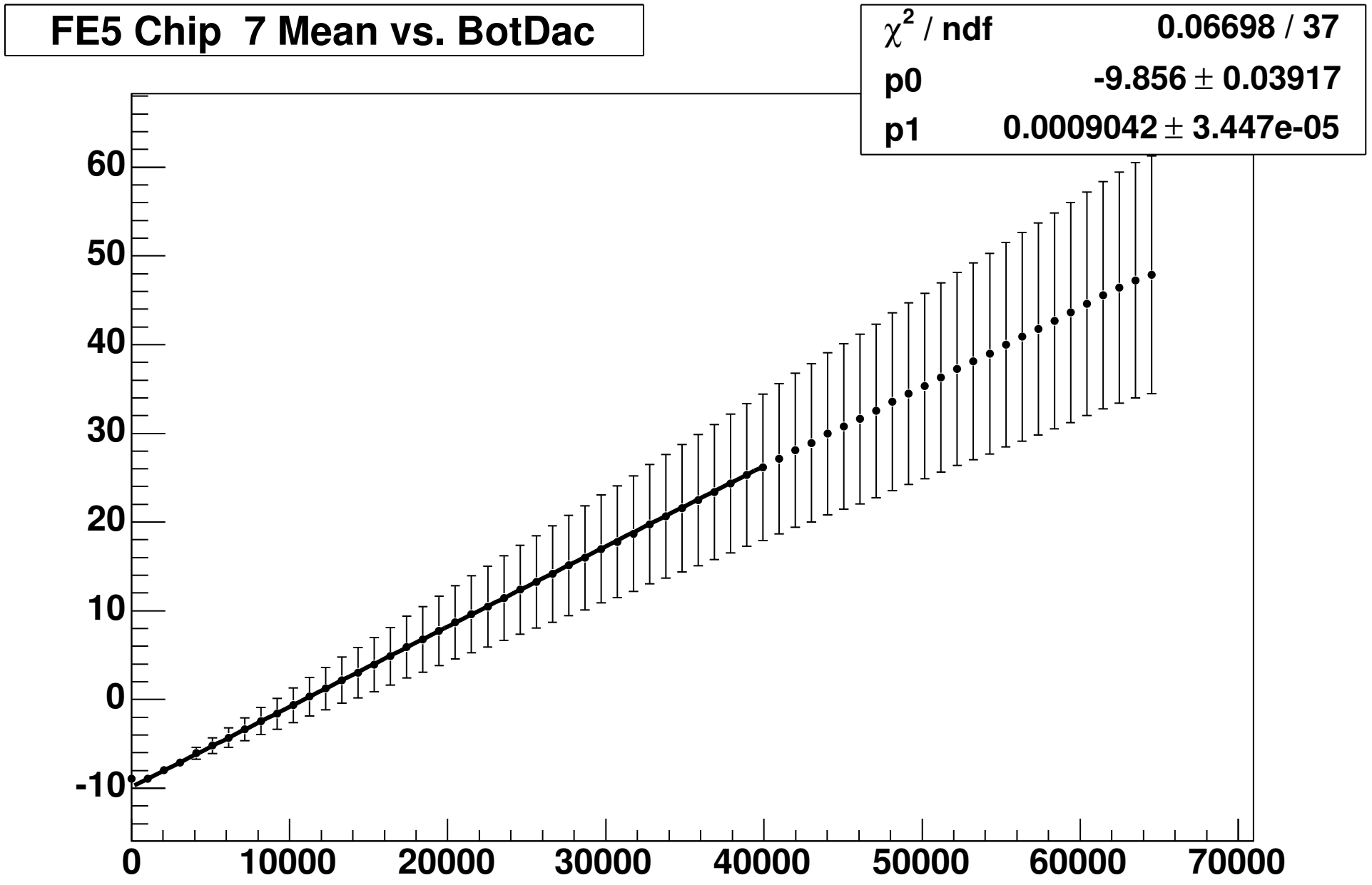
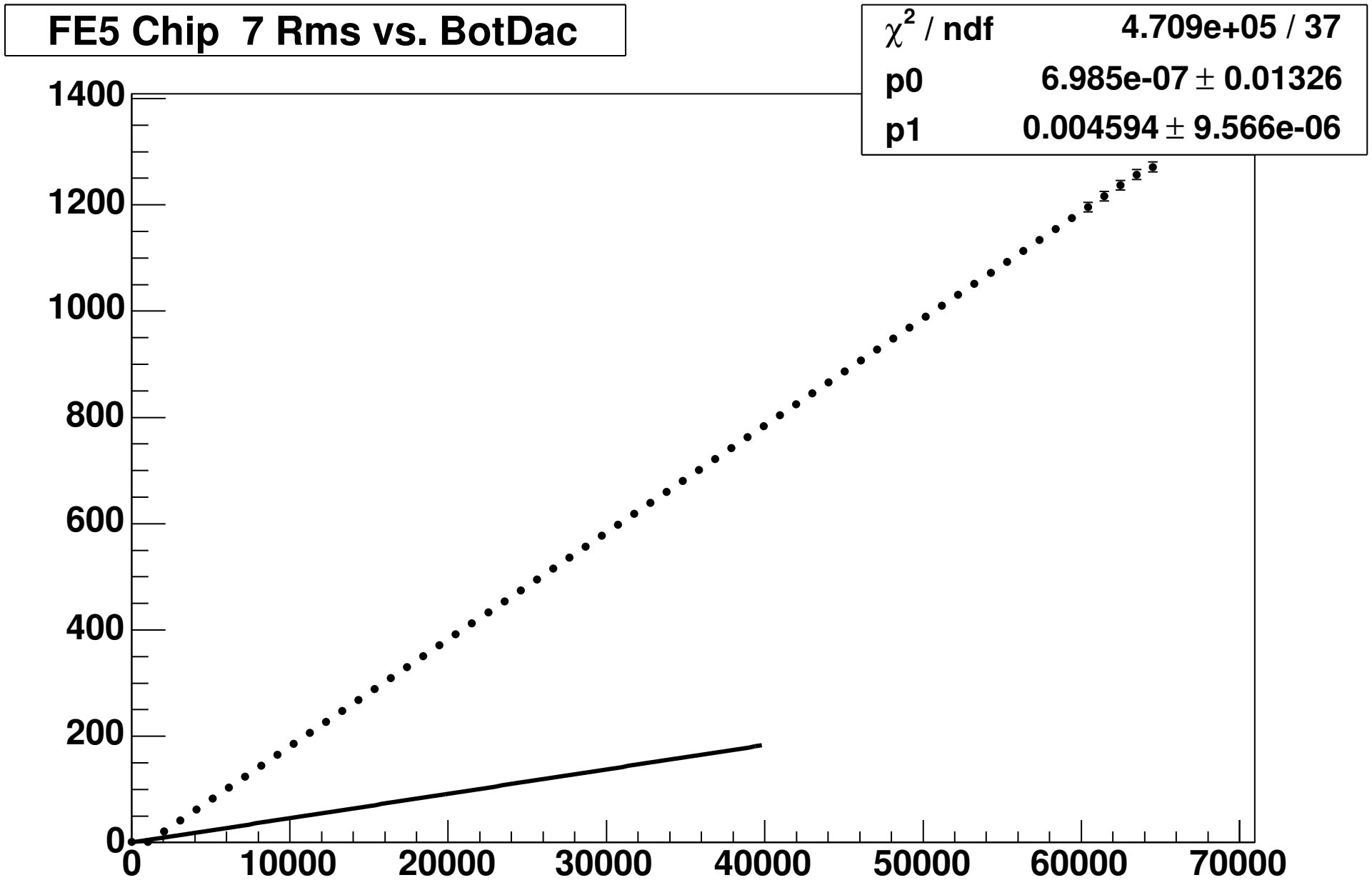
50000
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 0.06698 / 37
p0 -9.856 ± 0.03917
p1 0.0009042 ± 3.447e-05
60
50
40
30
20
10
0
-10
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 4.709e+05 / 37
p0 6.985e-07 ± 0.01326
p1 0.004594 ± 9.566e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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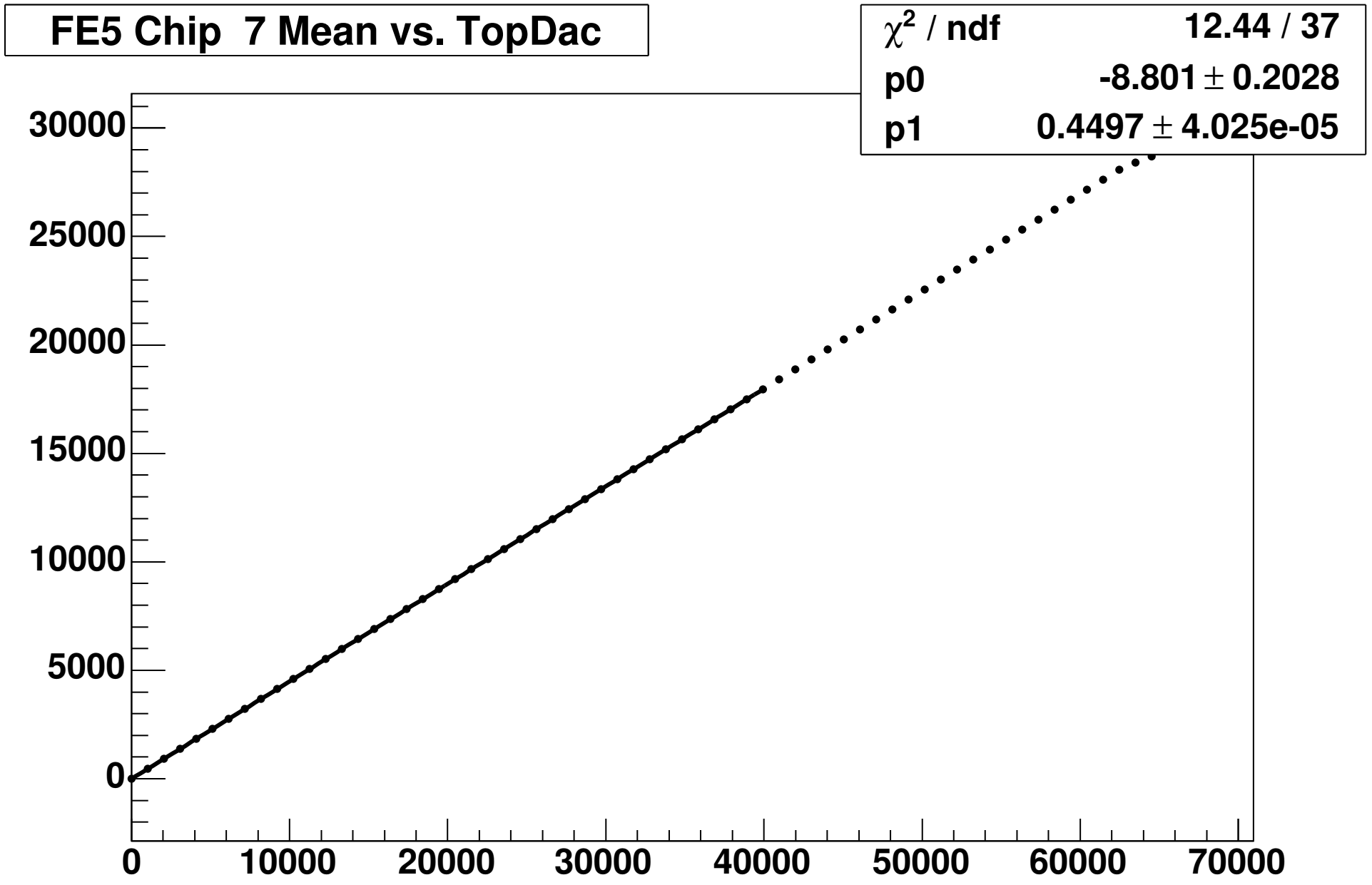
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 12.44 / 37
p0 -8.801 ± 0.2028
p1 0.4497 ± 4.025e-05
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15000
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0
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10000
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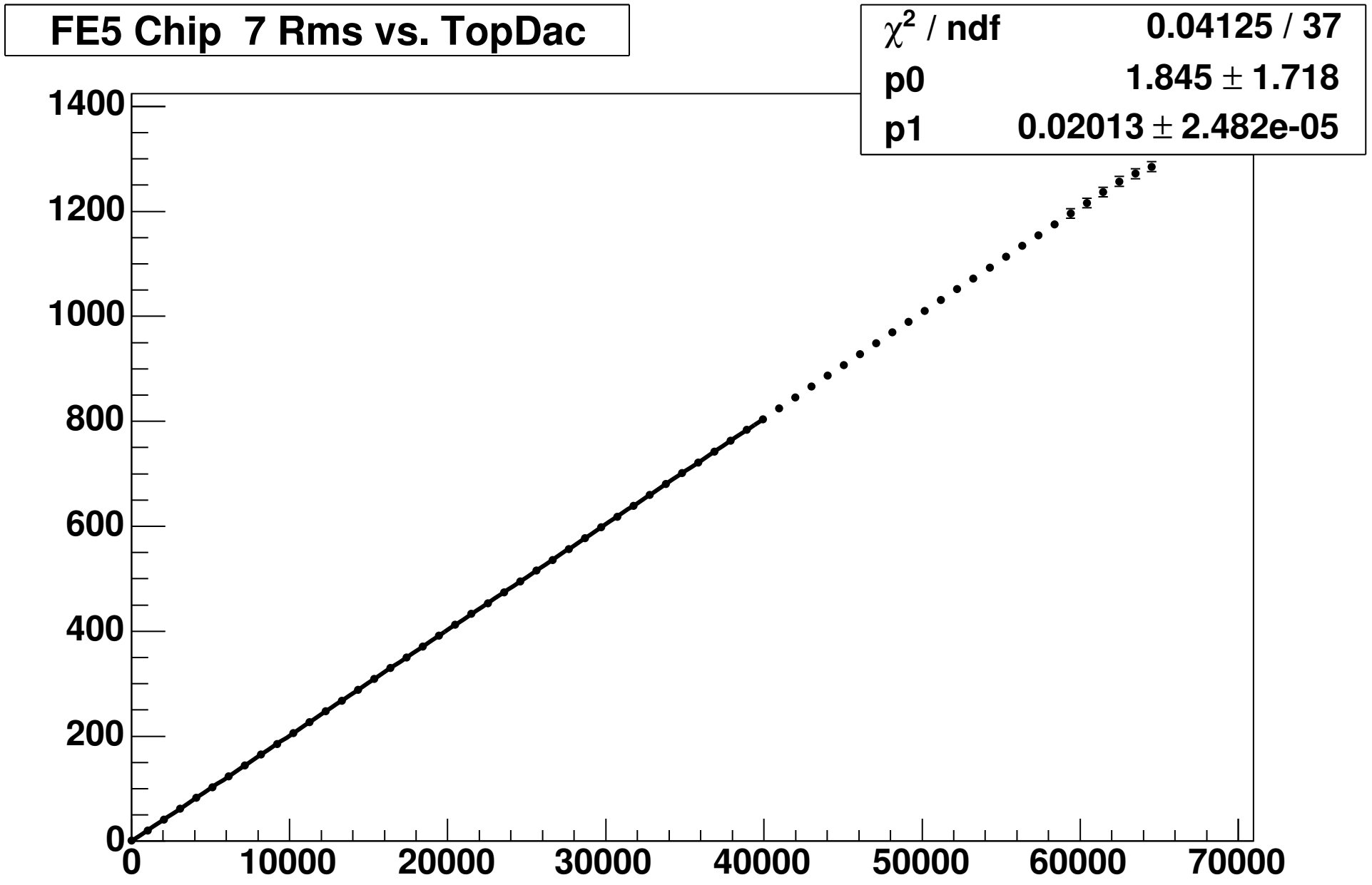
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 0.04125 / 37
p0 1.845 ± 1.718
p1 0.02013 ± 2.482e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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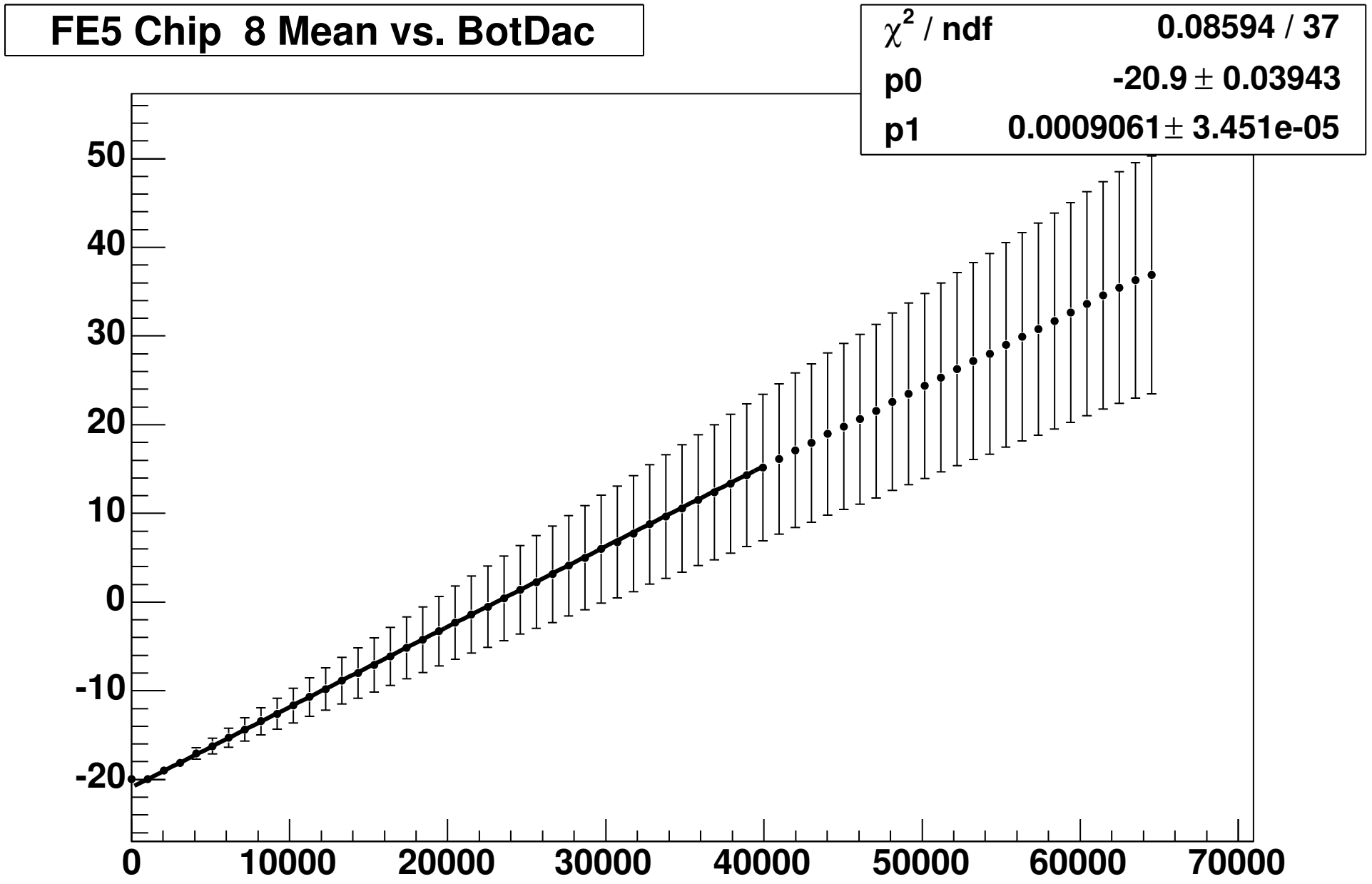
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 0.08594 / 37
p0 -20.9 ± 0.03943
p1 0.0009061 ± 3.451e-05
50
40
30
20
10
0
-10
-20
0
10000
20000
30000
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50000
60000
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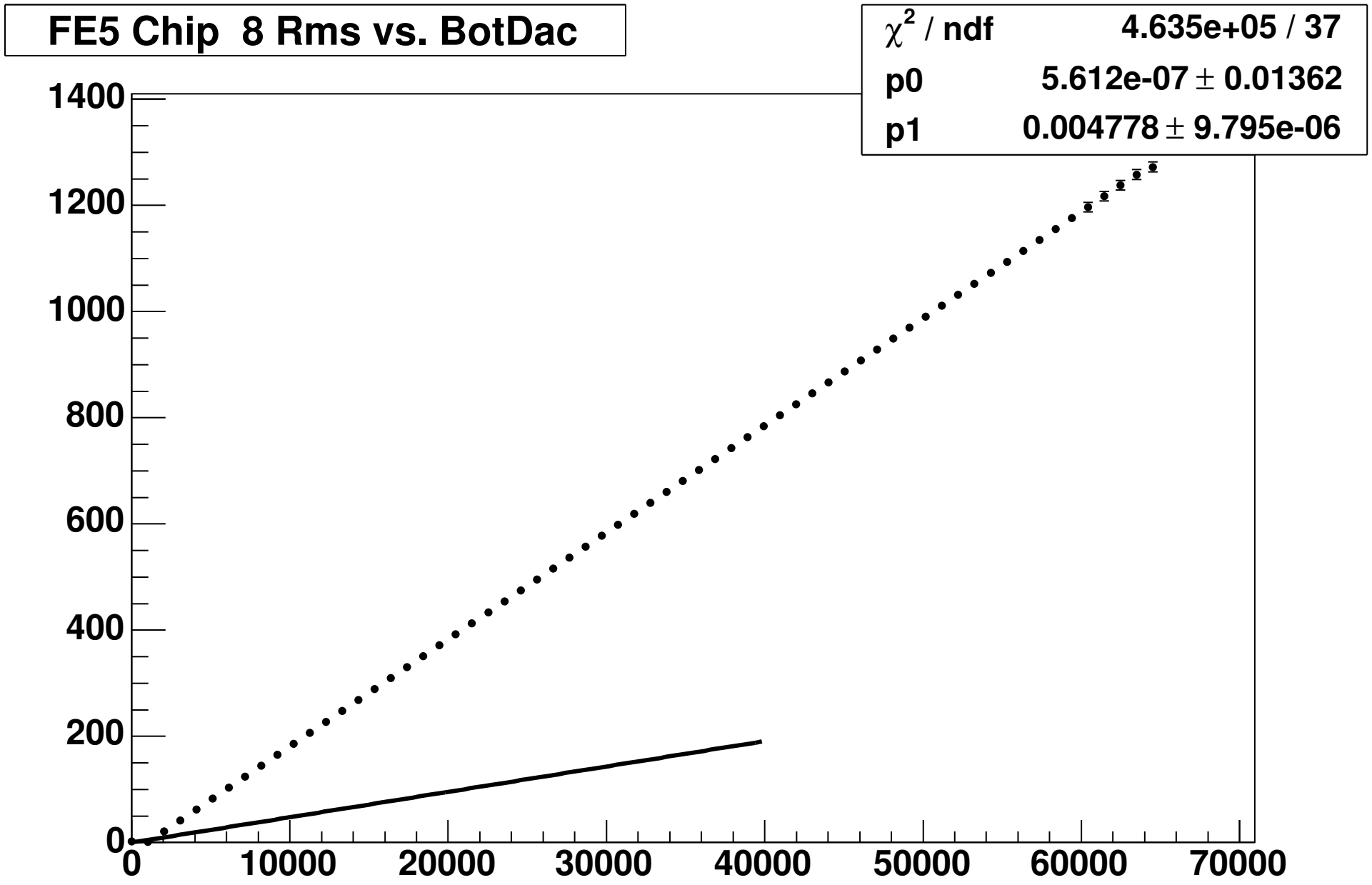
FE5 Chip 8 Rms vs. BotDac
χ² / ndf 4.635e+05 / 37
p0 5.612e-07 ± 0.01362
p1 0.004778 ± 9.795e-06
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1000
800
600
400
200
0
0
10000
20000
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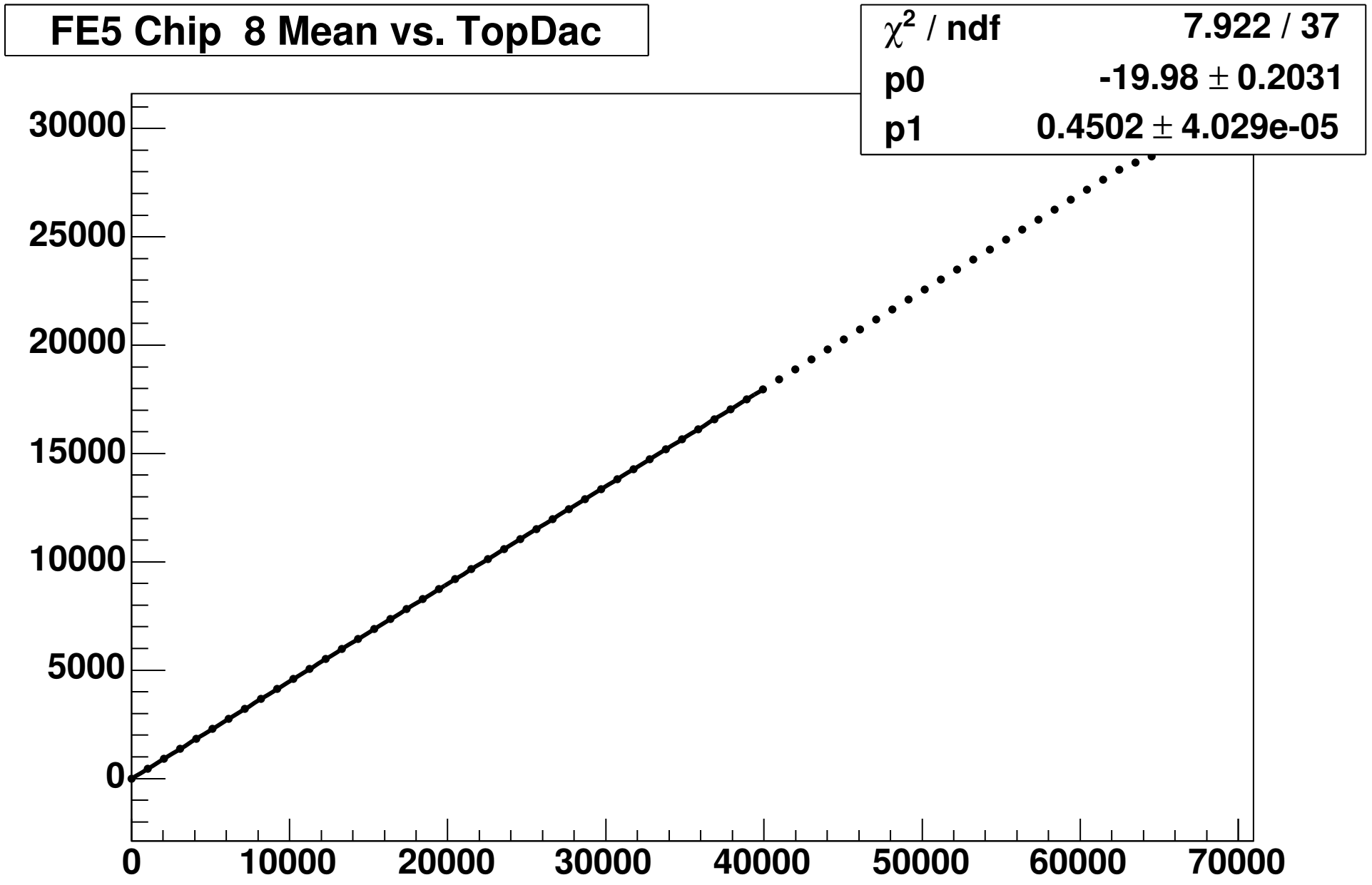
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 7.922 / 37
p0 -19.98 ± 0.2031
p1 0.4502 ± 4.029e-05
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15000
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5000
0
0
10000
20000
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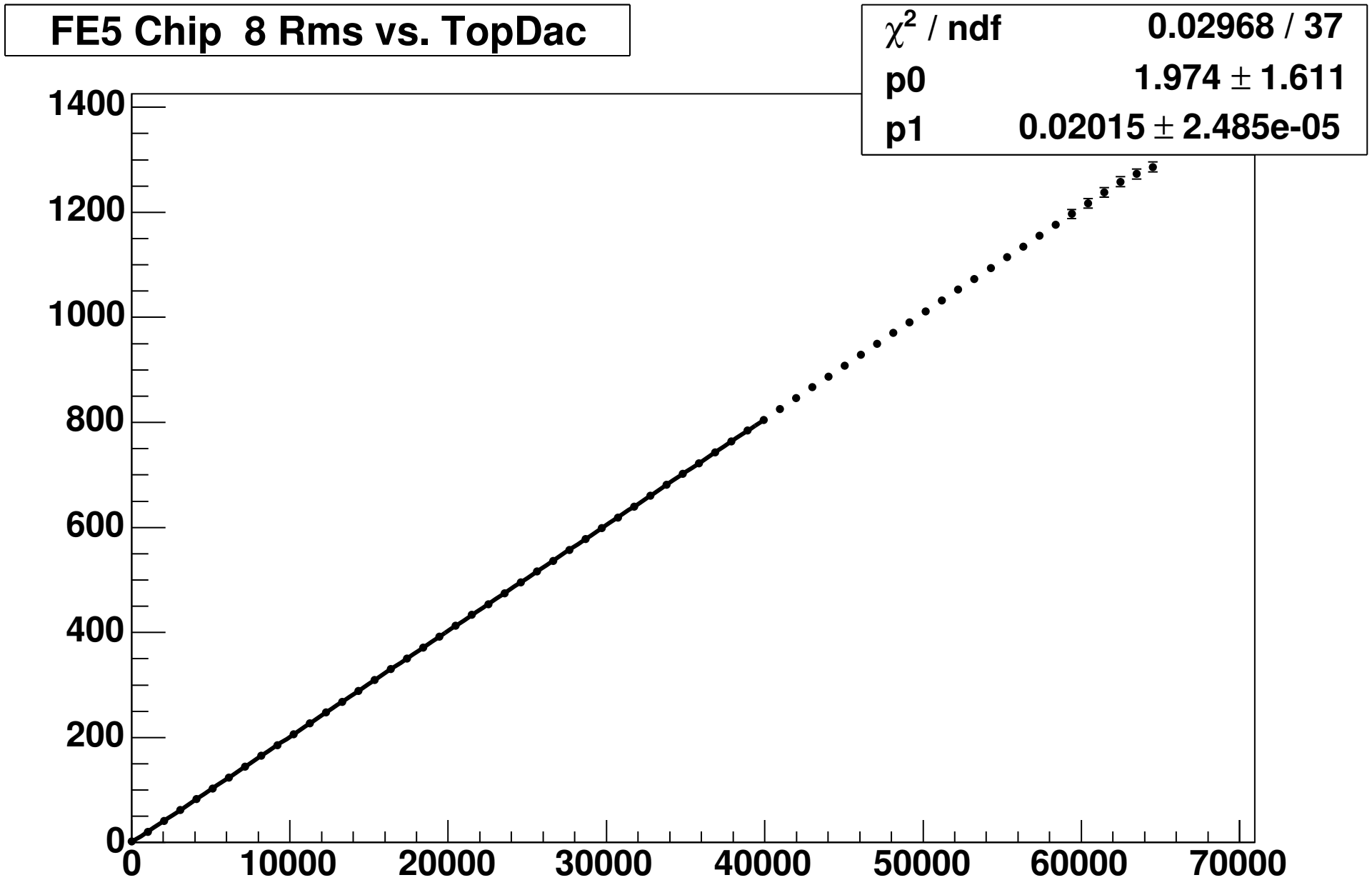
FE5 Chip 8 Rms vs. TopDac
χ² / ndf 0.02968 / 37
p0 1.974 ± 1.611
p1 0.02015 ± 2.485e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
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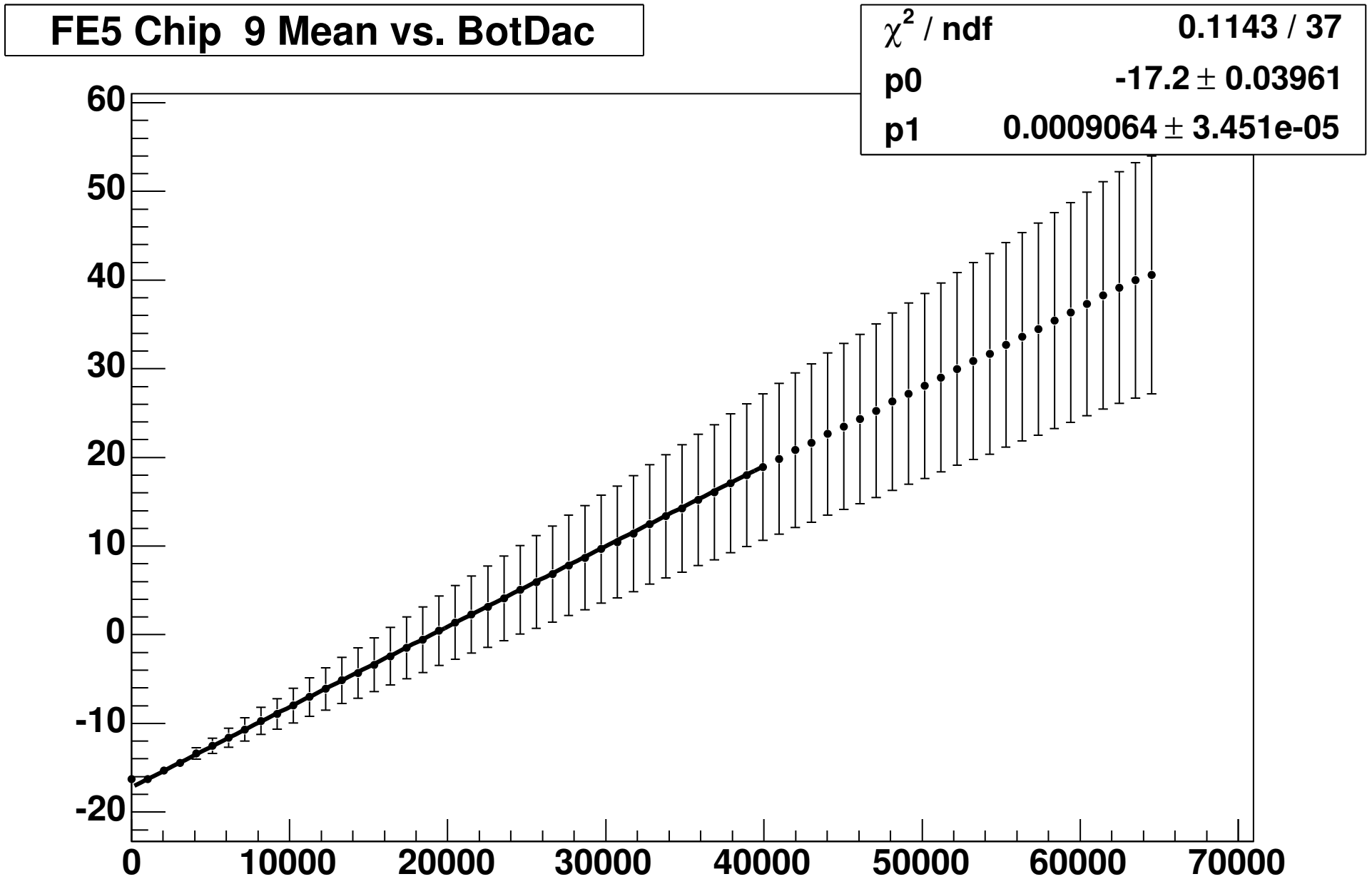
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 0.1143 / 37
p0 -17.2 ± 0.03961
p1 0.0009064 ± 3.451e-05
60
50
40
30
20
10
0
-10
-20
0
10000
20000
30000
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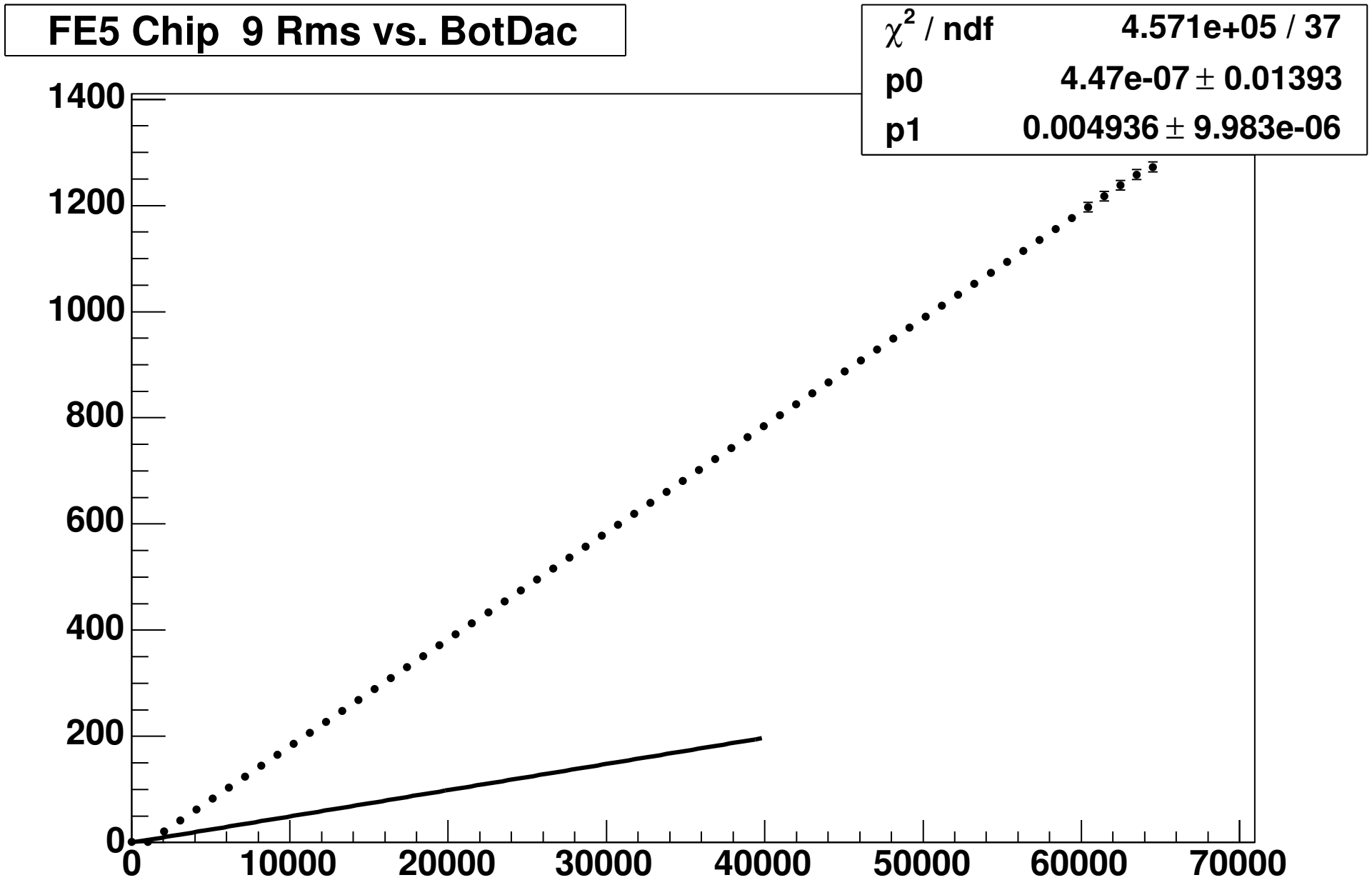
FE5 Chip 9 Rms vs. BotDac
χ² / ndf 4.571e+05 / 37
p0 4.47e-07 ± 0.01393
p1 0.004936 ± 9.983e-06
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1200
1000
800
600
400
200
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0
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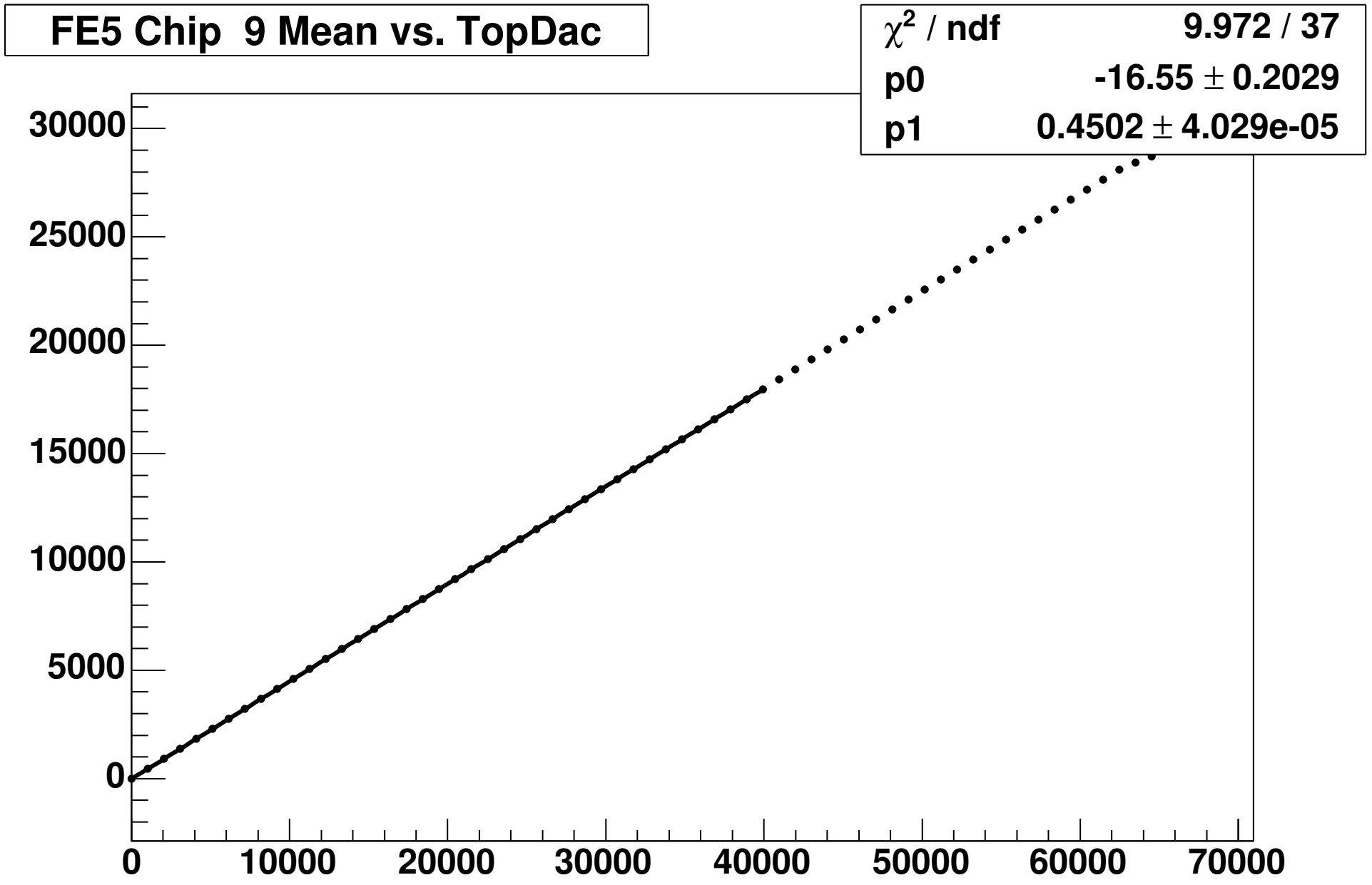
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 9.972 / 37
p0 -16.55 ± 0.2029
p1 0.4502 ± 4.029e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
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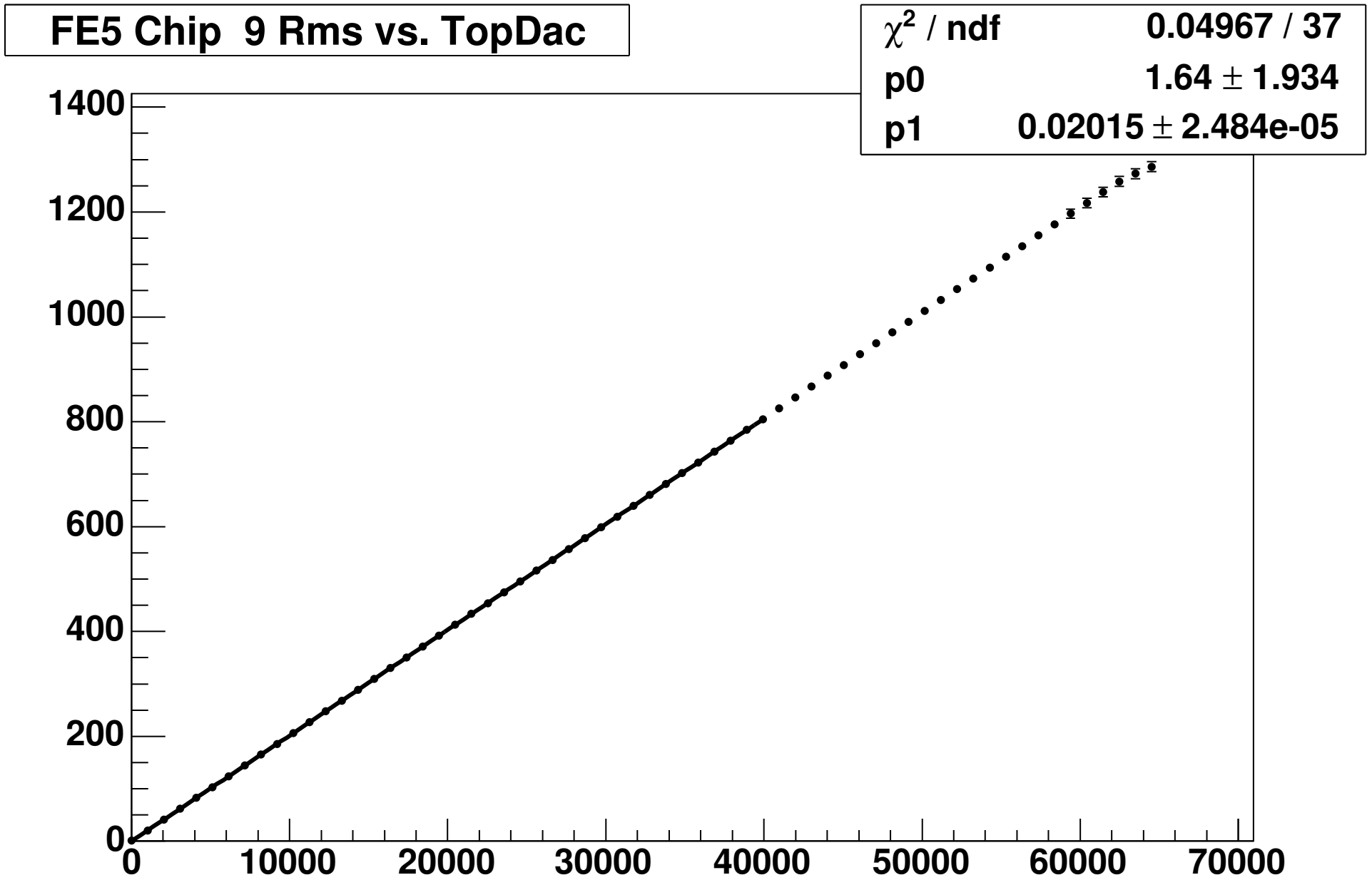
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 0.04967 / 37
p0 1.64 ± 1.934
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
0
0
10000
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40000
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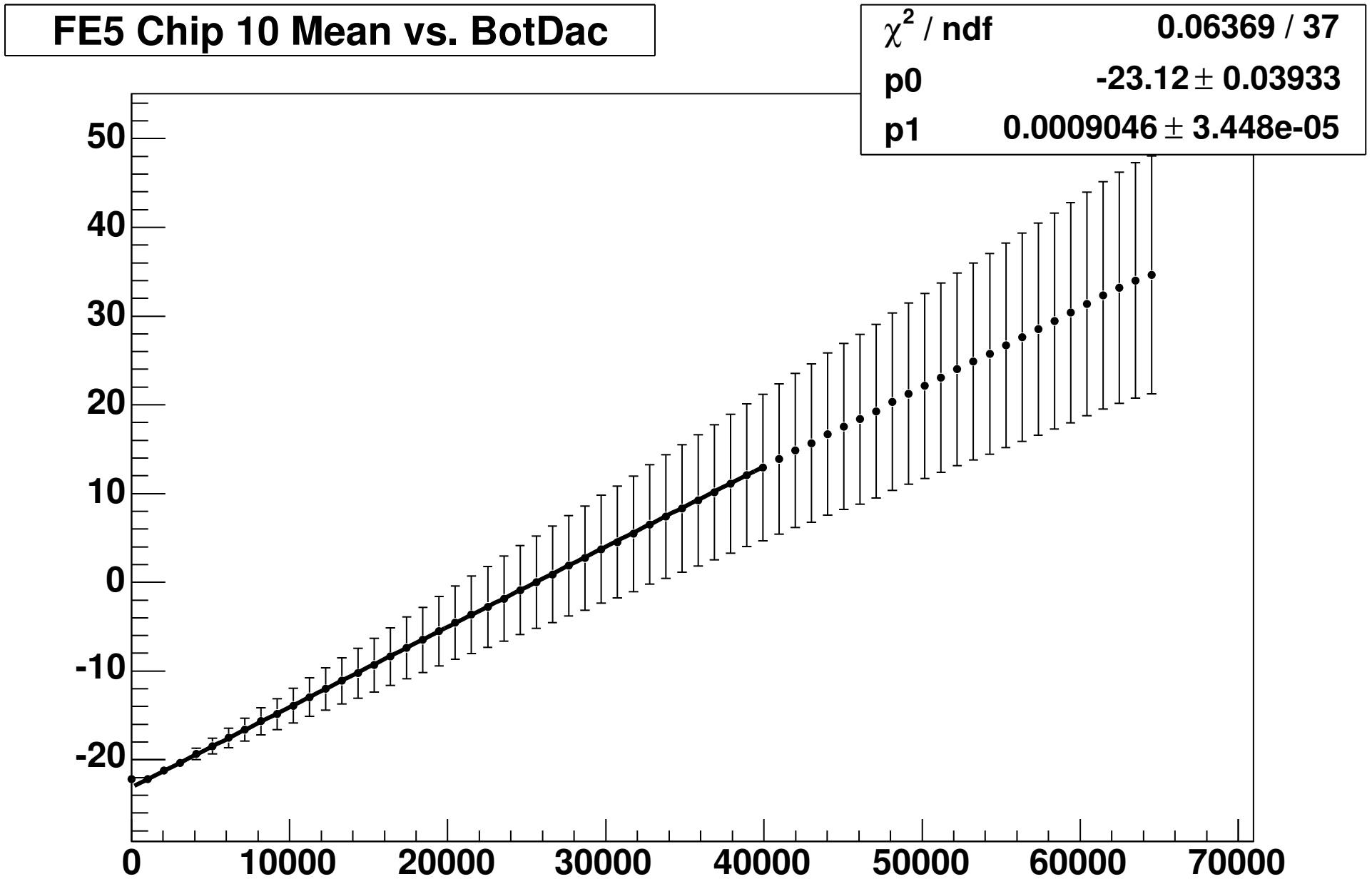
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 0.06369 / 37
p0 -23.12 ± 0.03933
p1 0.0009046 ± 3.448e-05
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40
30
20
10
0
-10
-20
0
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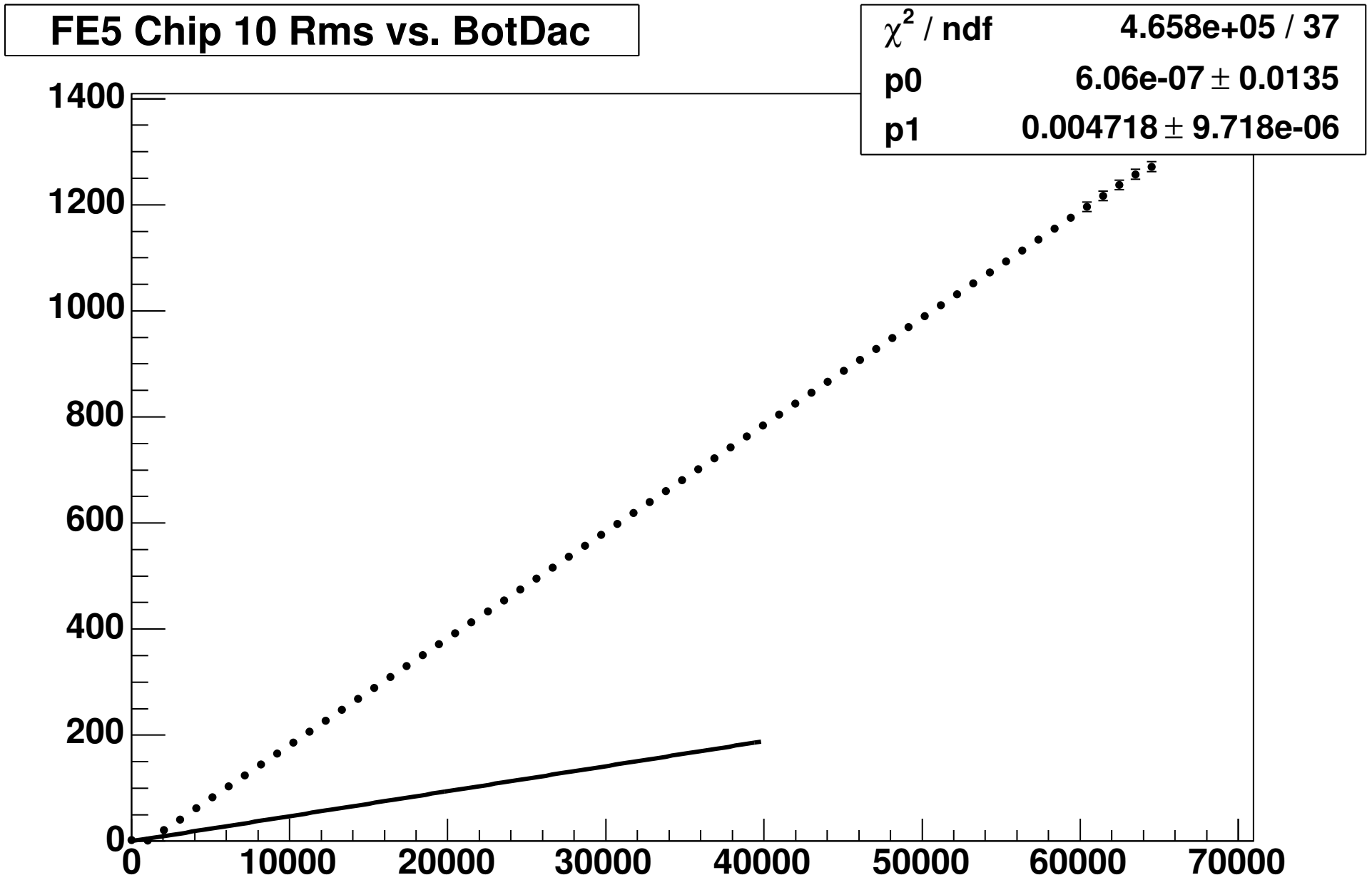
FE5 Chip 10 Rms vs. BotDac
χ² / ndf 4.658e+05 / 37
p0 6.06e-07 ± 0.0135
p1 0.004718 ± 9.718e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
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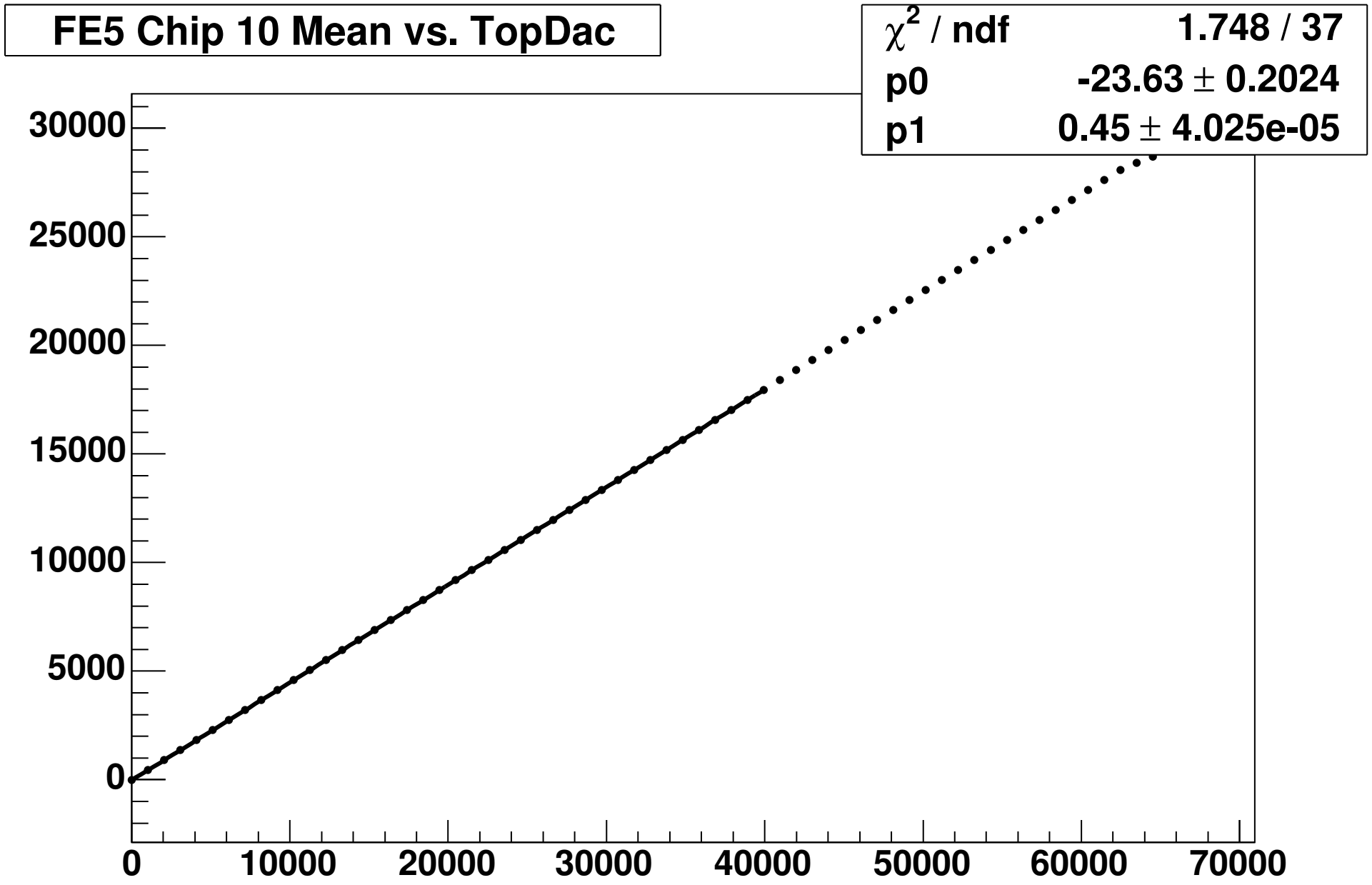
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.748 / 37
p0 -23.63 ± 0.2024
p1 0.45 ± 4.025e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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50000
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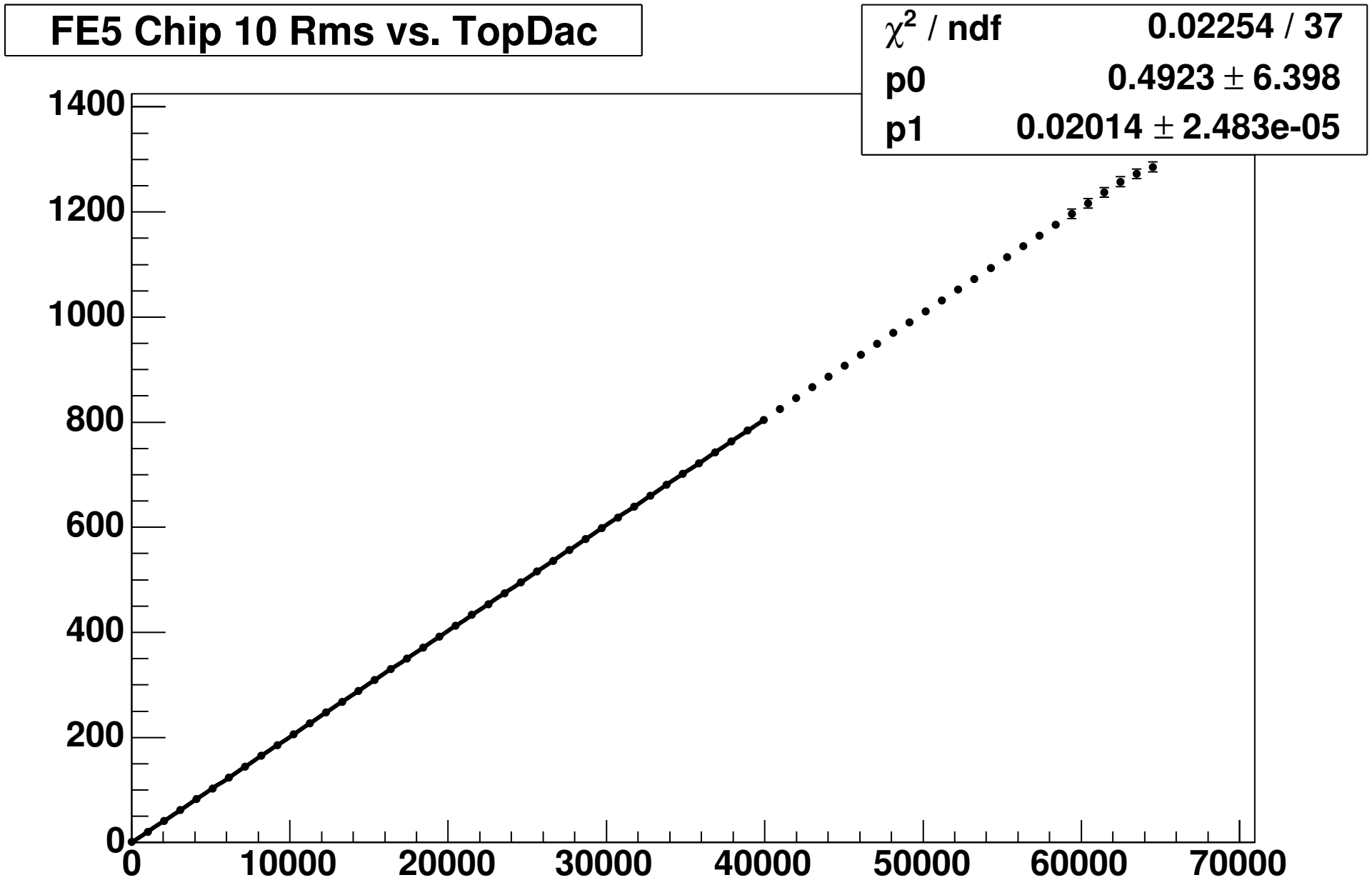
FE5 Chip 10 Rms vs. TopDac
χ² / ndf 0.02254 / 37
p0 0.4923 ± 6.398
p1 0.02014 ± 2.483e-05
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1200
1000
800
600
400
200
0
0
10000
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30000
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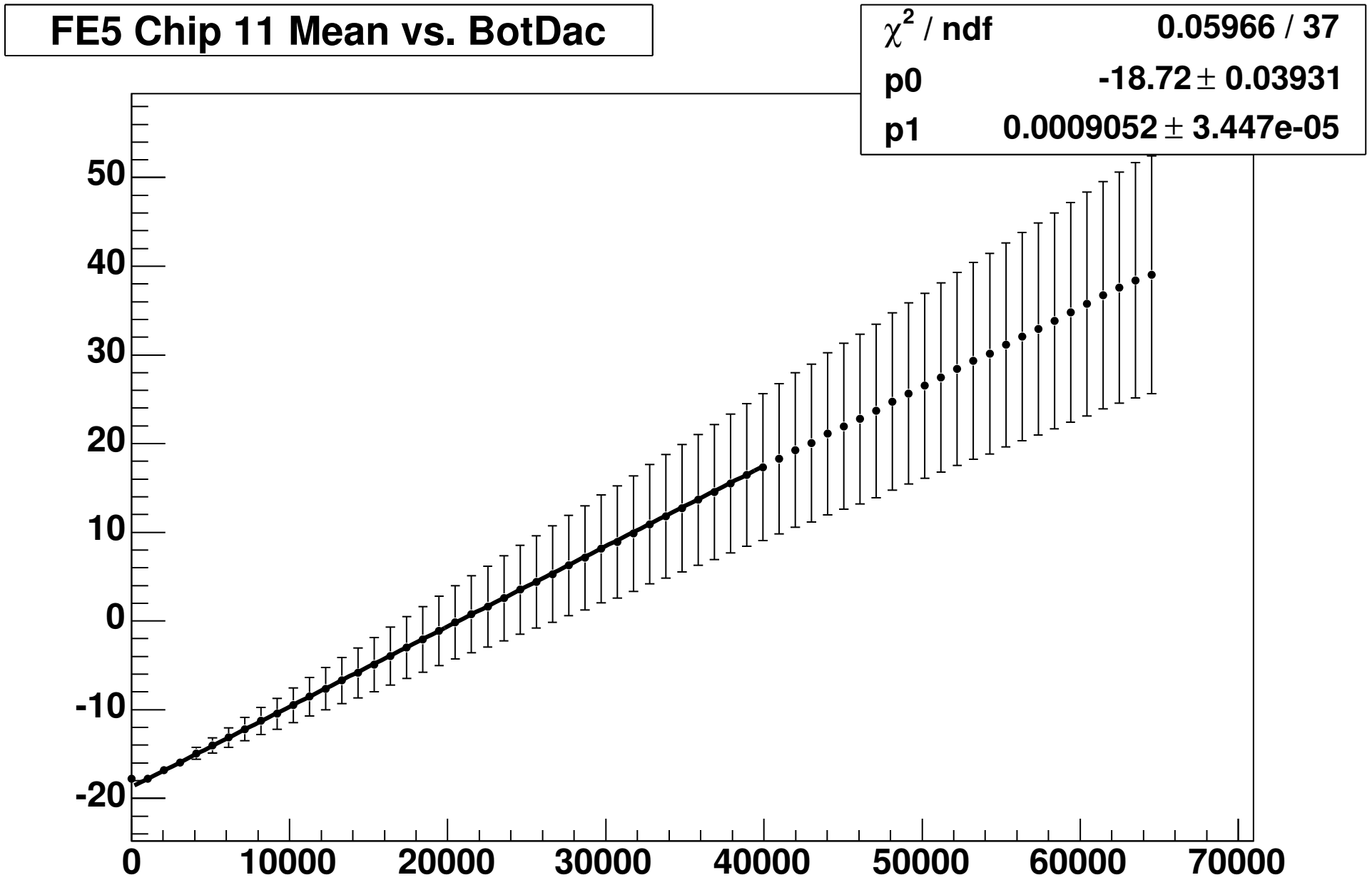
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 0.05966 / 37
p0 -18.72 ± 0.03931
p1 0.0009052 ± 3.447e-05
50
40
30
20
10
0
-10
-20
0
10000
20000
30000
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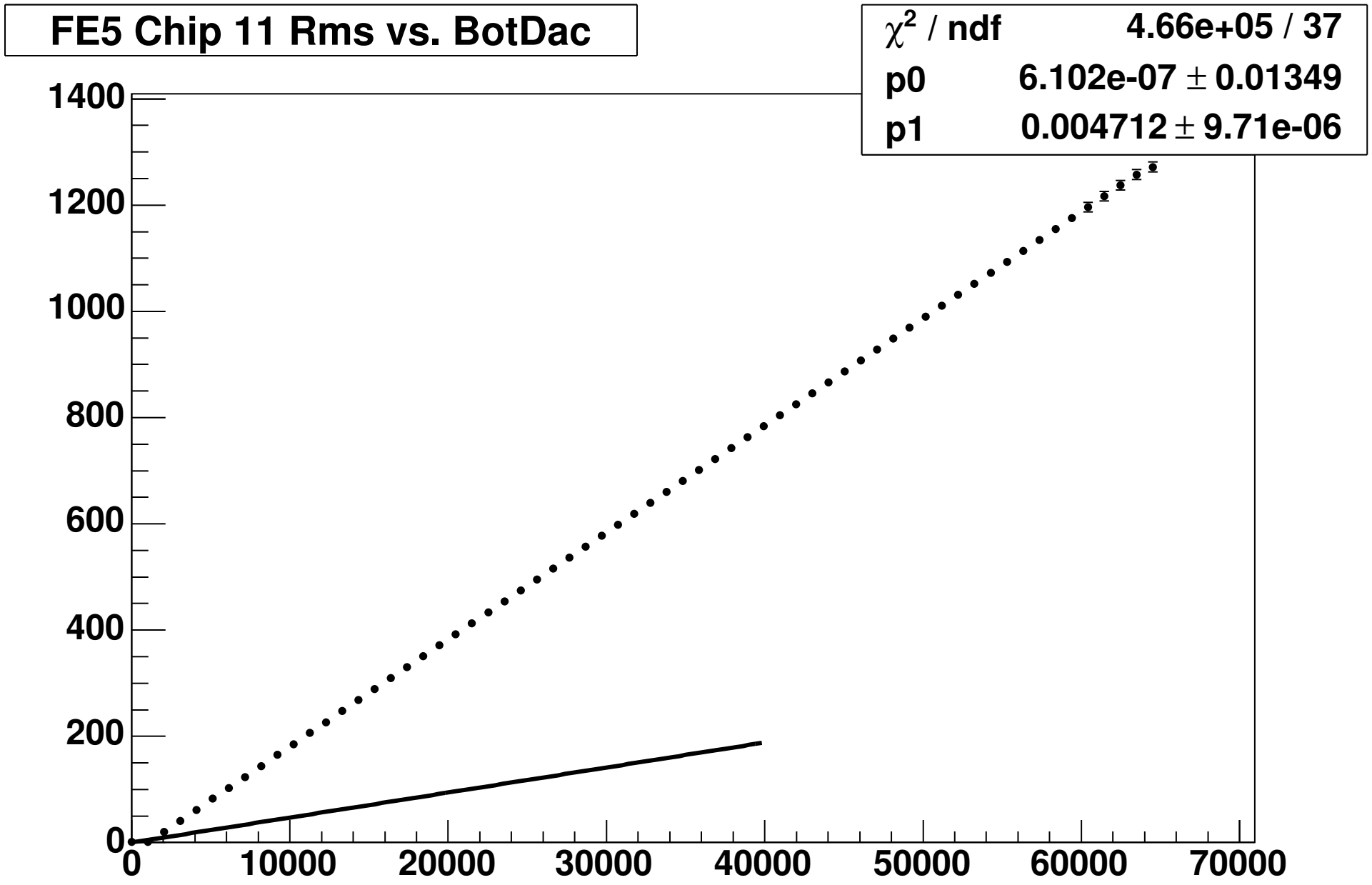
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 4.66e+05 / 37
p0 6.102e-07 ± 0.01349
p1 0.004712 ± 9.71e-06
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1200
1000
800
600
400
200
0
0
10000
20000
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50000
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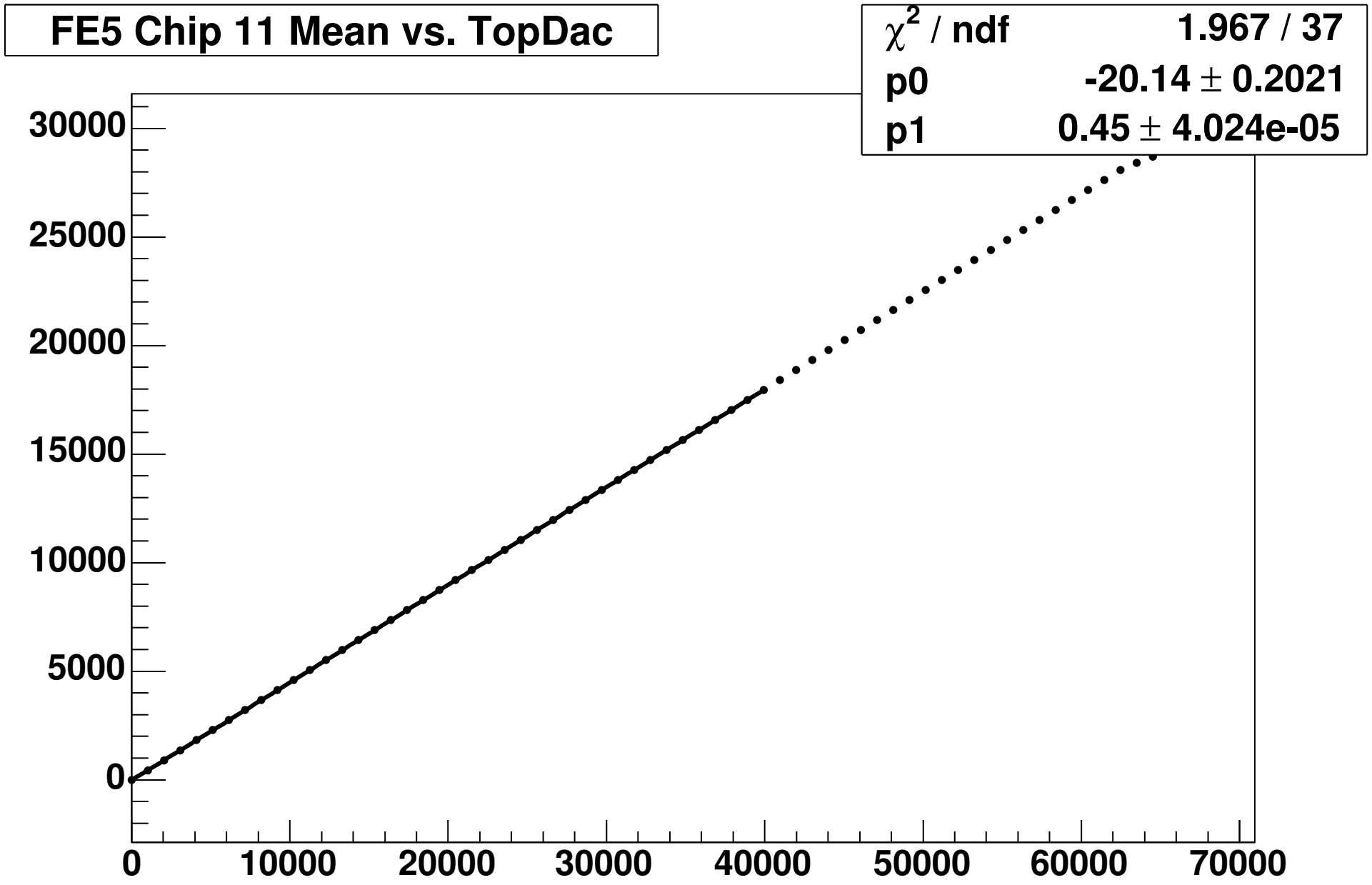
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.967 / 37
p0 -20.14 ± 0.2021
p1 0.45 ± 4.024e-05
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15000
10000
5000
0
0
10000
20000
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50000
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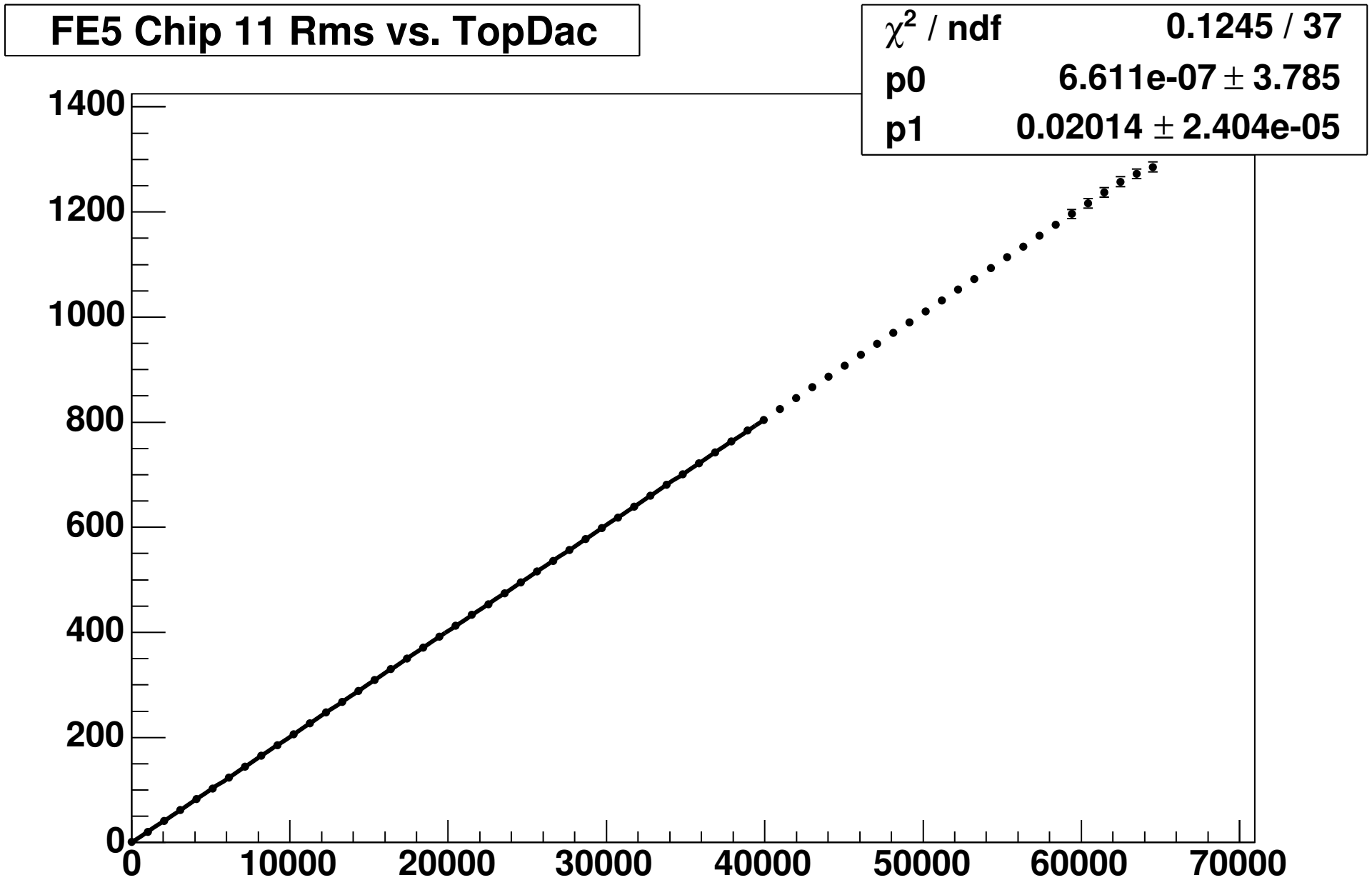
FE5 Chip 11 Rms vs. TopDac
χ² / ndf 0.1245 / 37
p0 6.611e-07 ± 3.785
p1 0.02014 ± 2.404e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
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50000
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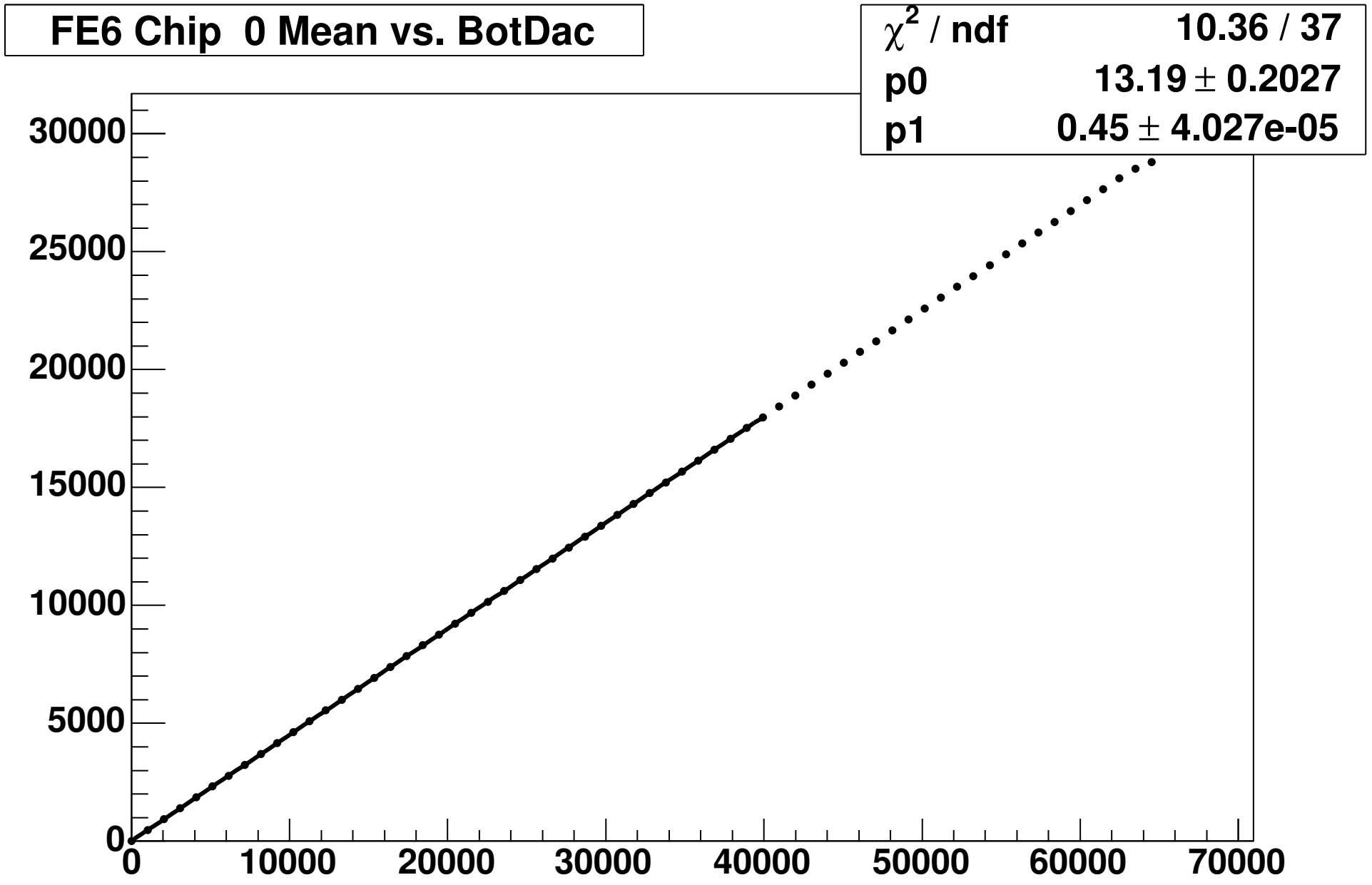
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 10.36 / 37
p0 13.19 ± 0.2027
p1 0.45 ± 4.027e-05
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25000
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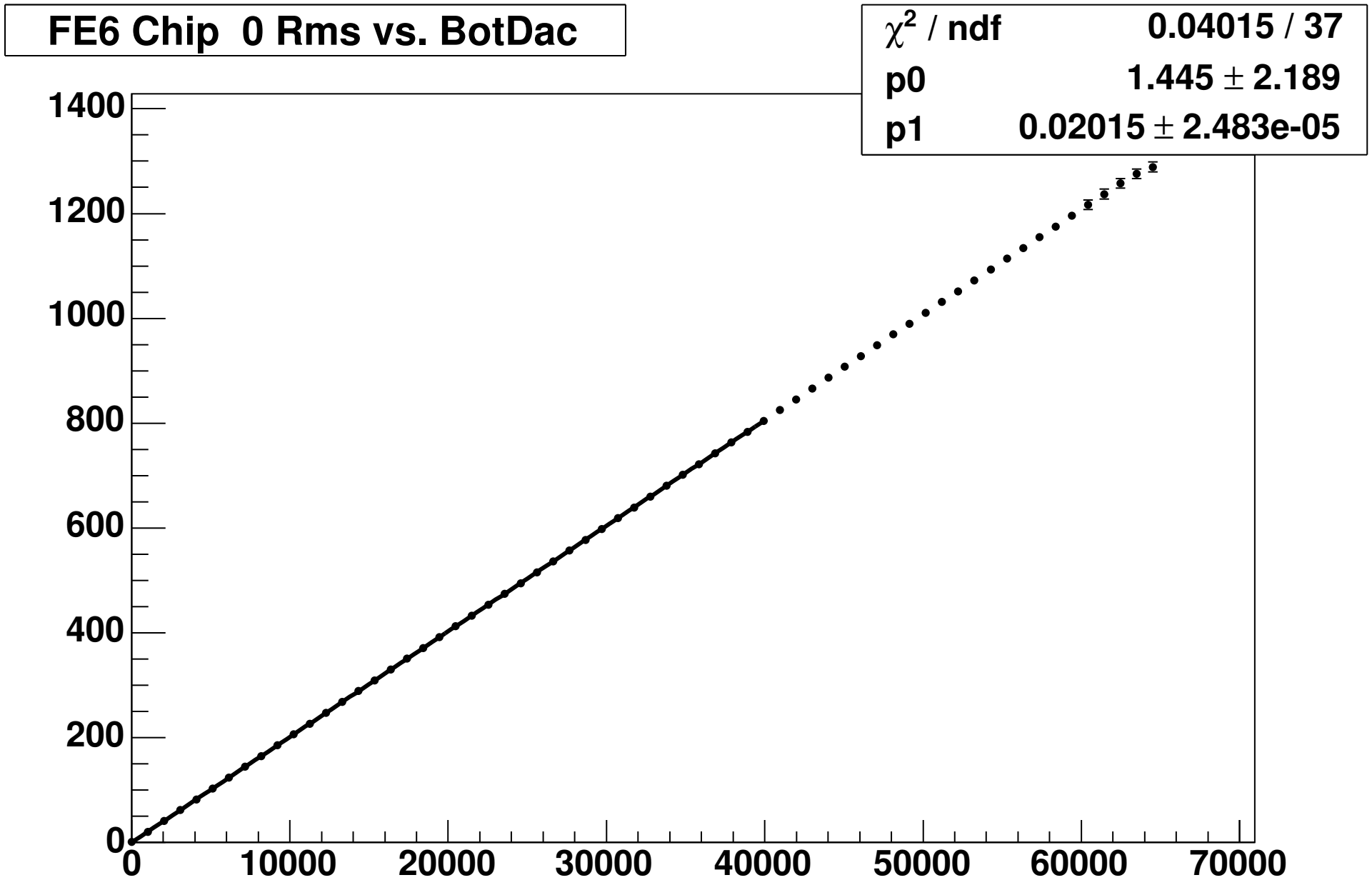
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 0.04015 / 37
p0 1.445 ± 2.189
p1 0.02015 ± 2.483e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
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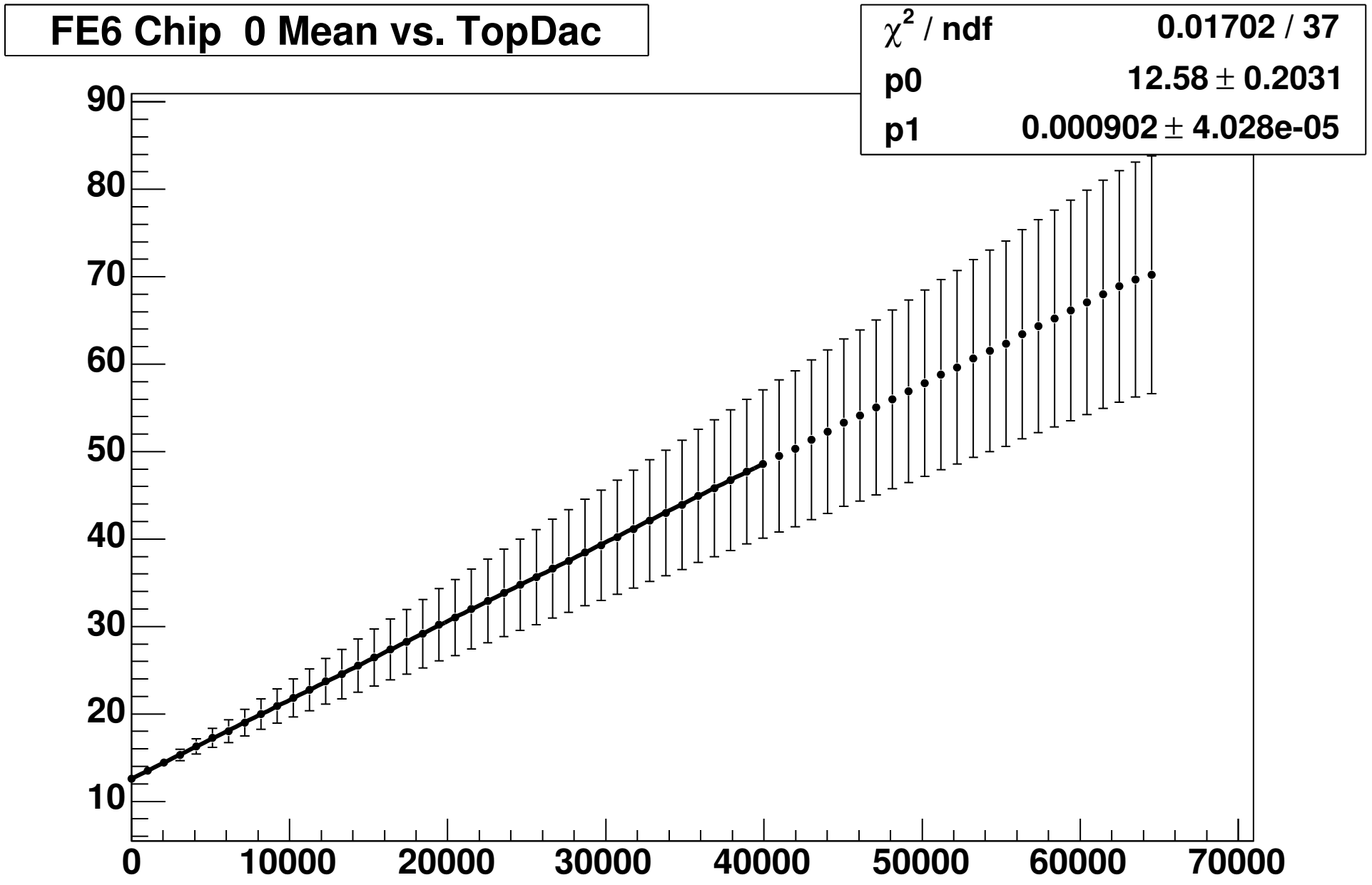
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 0.01702 / 37
p0 12.58 ± 0.2031
p1 0.000902 ± 4.028e-05
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80
70
60
50
40
30
20
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0
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20000
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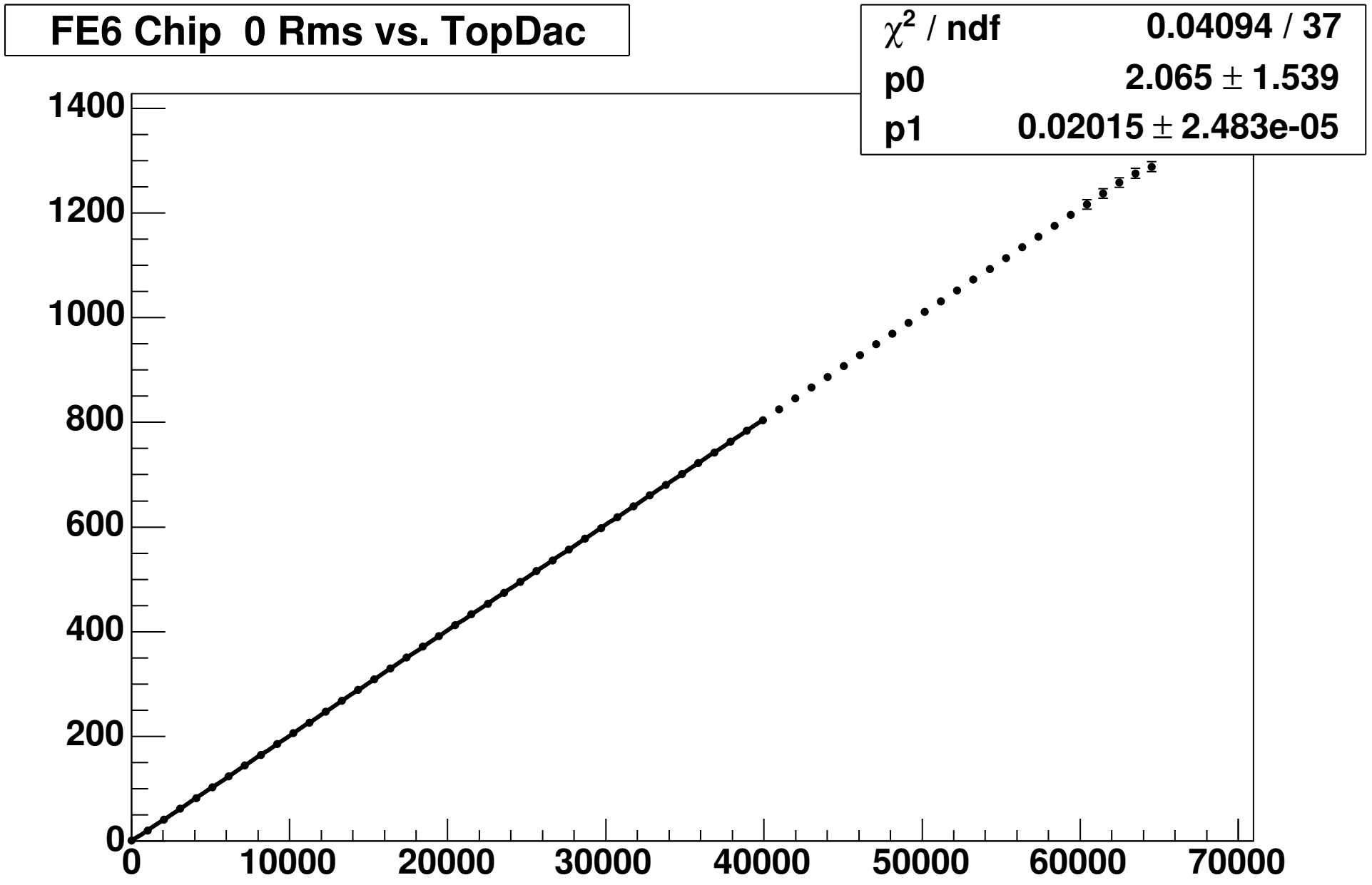
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 0.04094 / 37
p0 2.065 ± 1.539
p1 0.02015 ± 2.483e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
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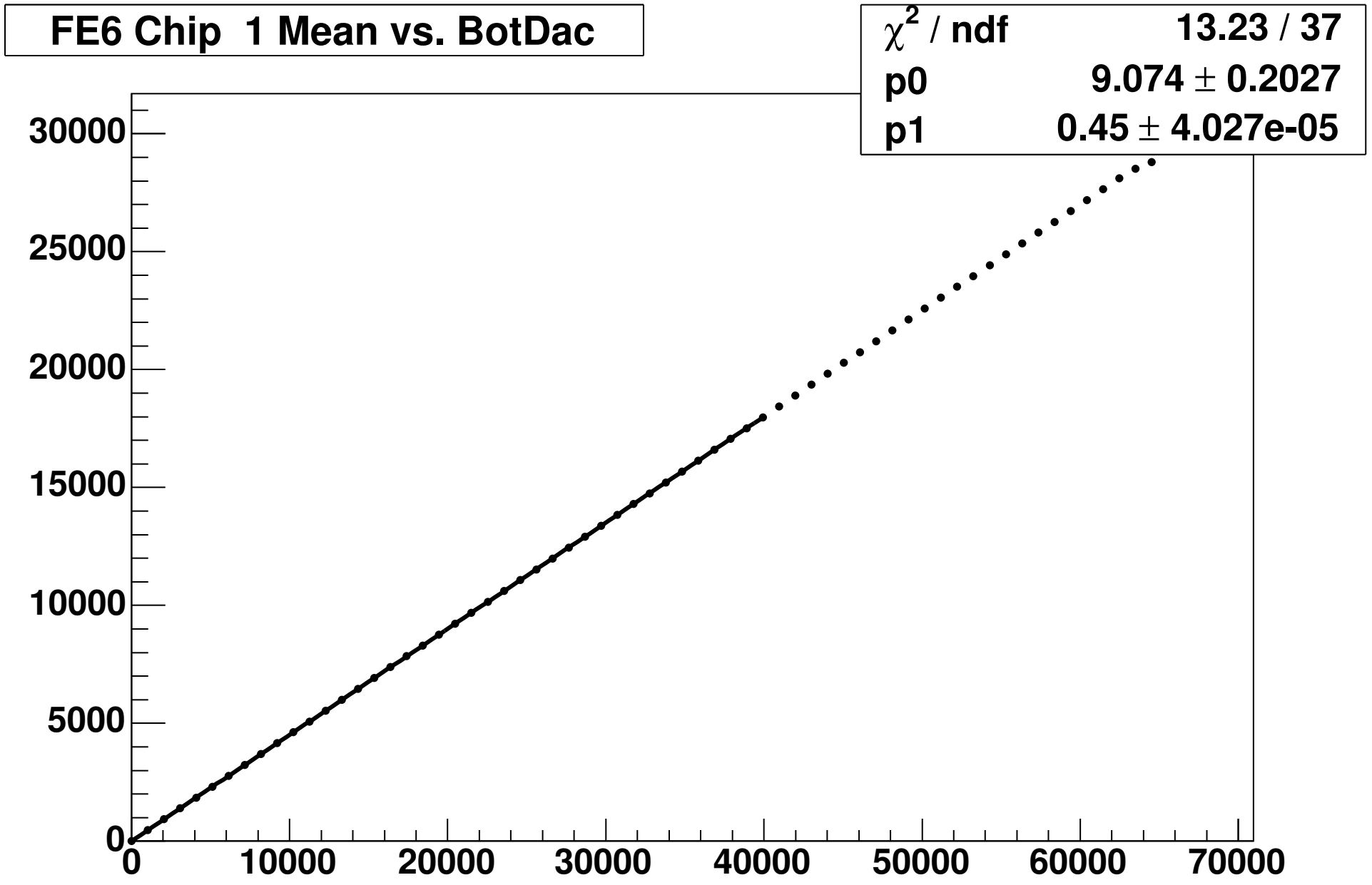
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 13.23 / 37
p0 9.074 ± 0.2027
p1 0.45 ± 4.027e-05
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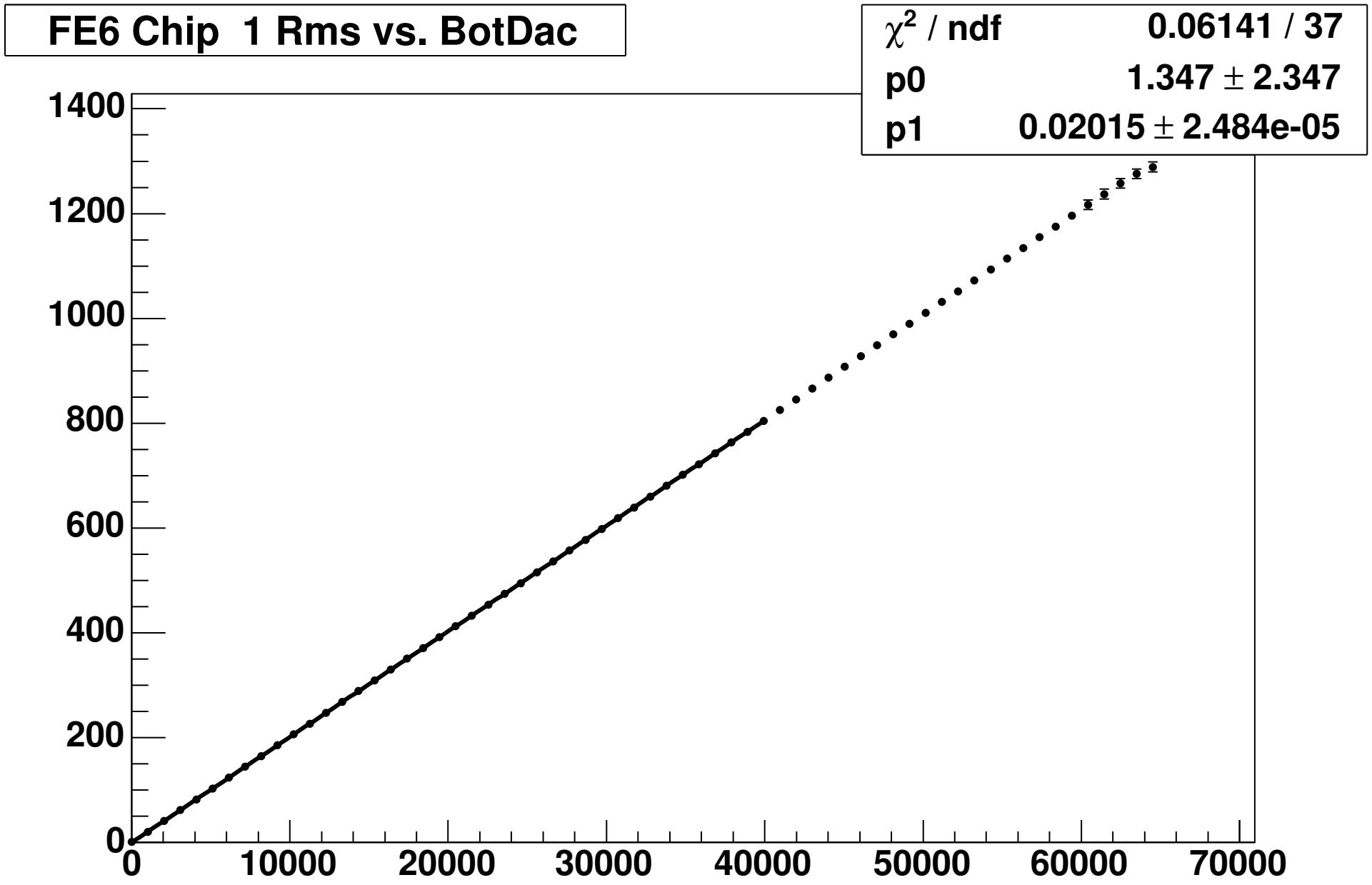
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 0.06141 / 37
p0 1.347 ± 2.347
p1 0.02015 ± 2.484e-05
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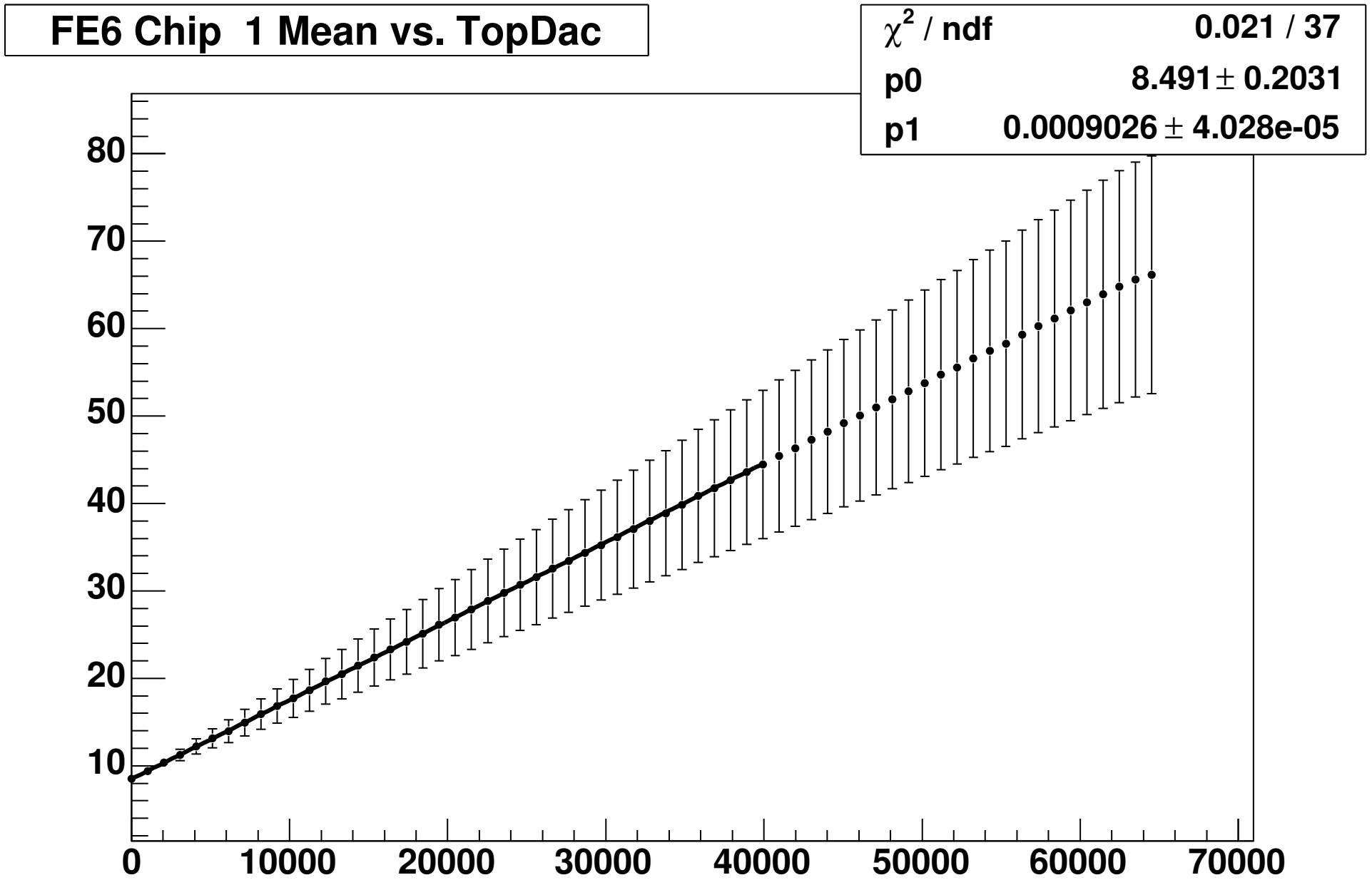
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 0.021 / 37
p0 8.491 ± 0.2031
p1 0.0009026 ± 4.028e-05
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70
60
50
40
30
20
10
0
10000
20000
30000
40000
50000
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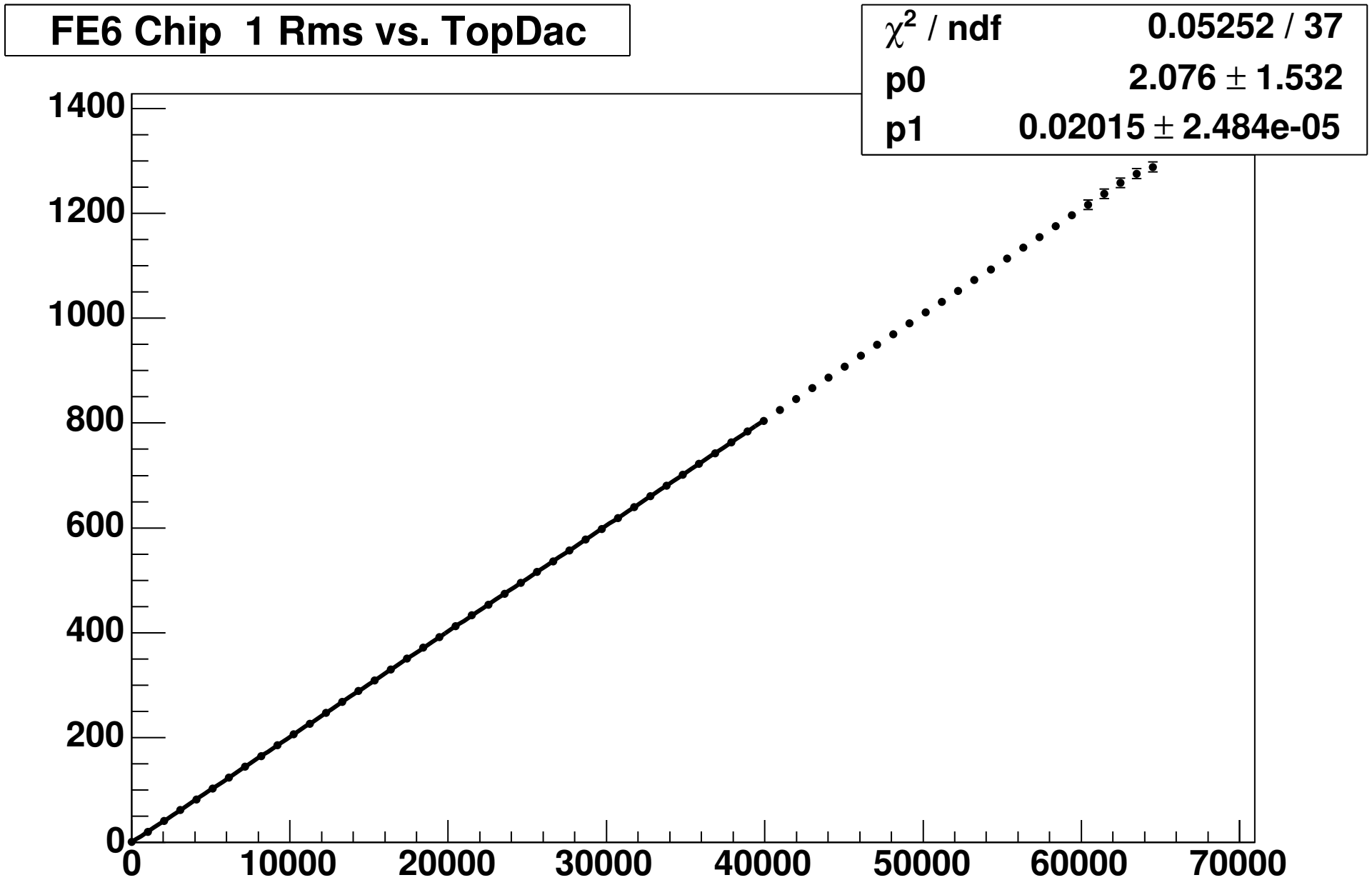
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 0.05252 / 37
p0 2.076 ± 1.532
p1 0.02015 ± 2.484e-05
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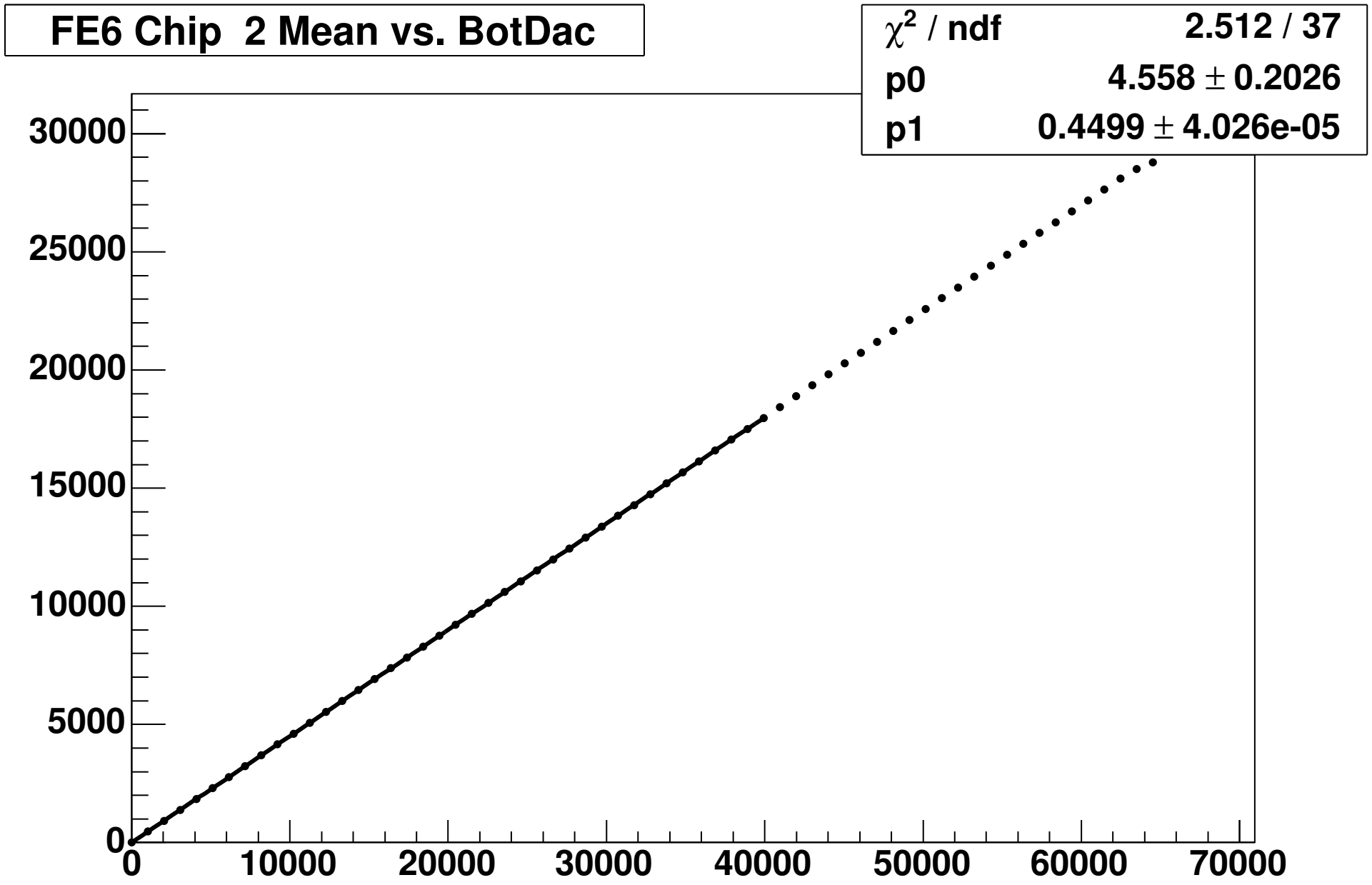
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 2.512 / 37
p0 4.558 ± 0.2026
p1 0.4499 ± 4.026e-05
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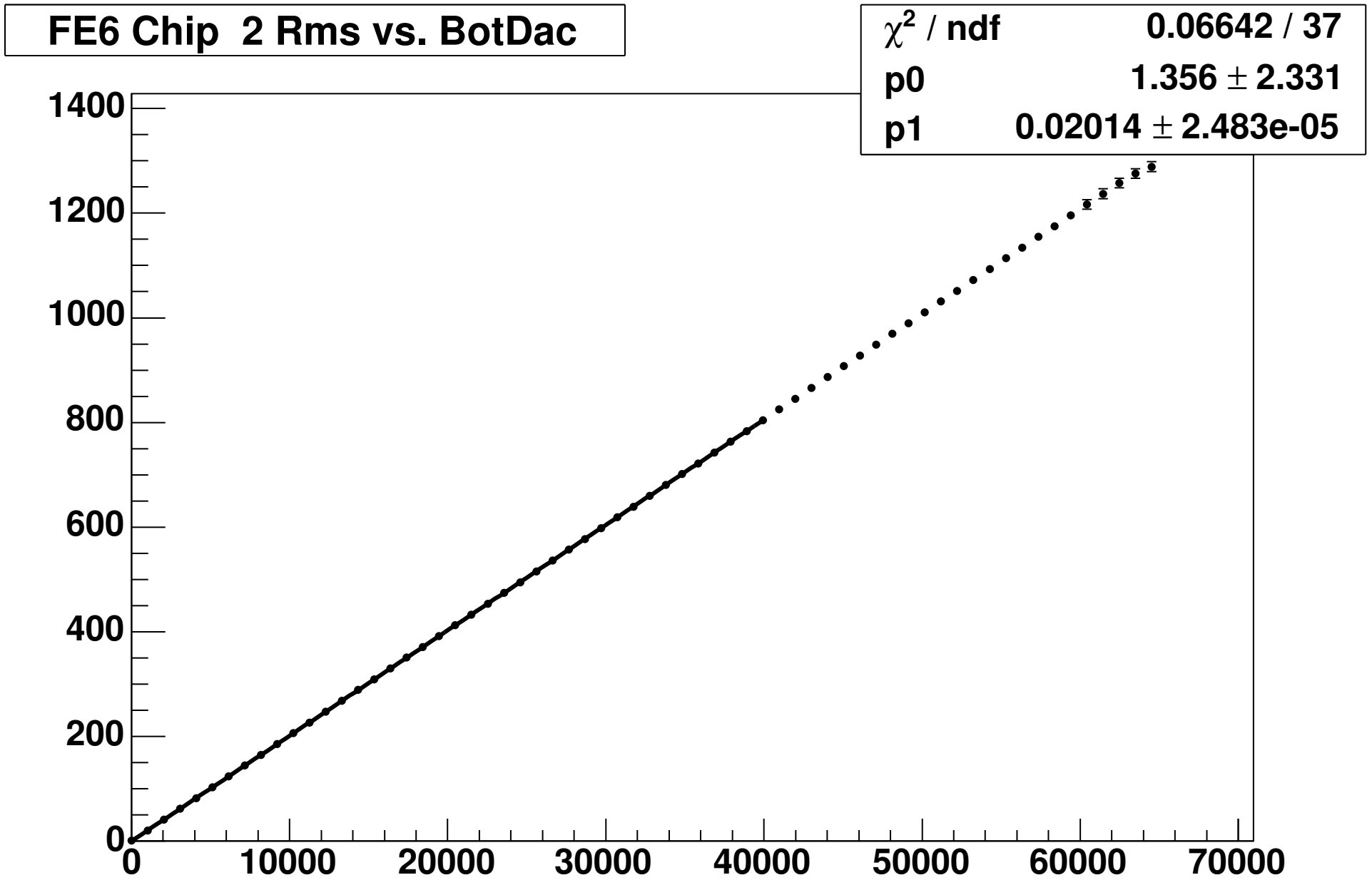
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 0.06642 / 37
p0 1.356 ± 2.331
p1 0.02014 ± 2.483e-05
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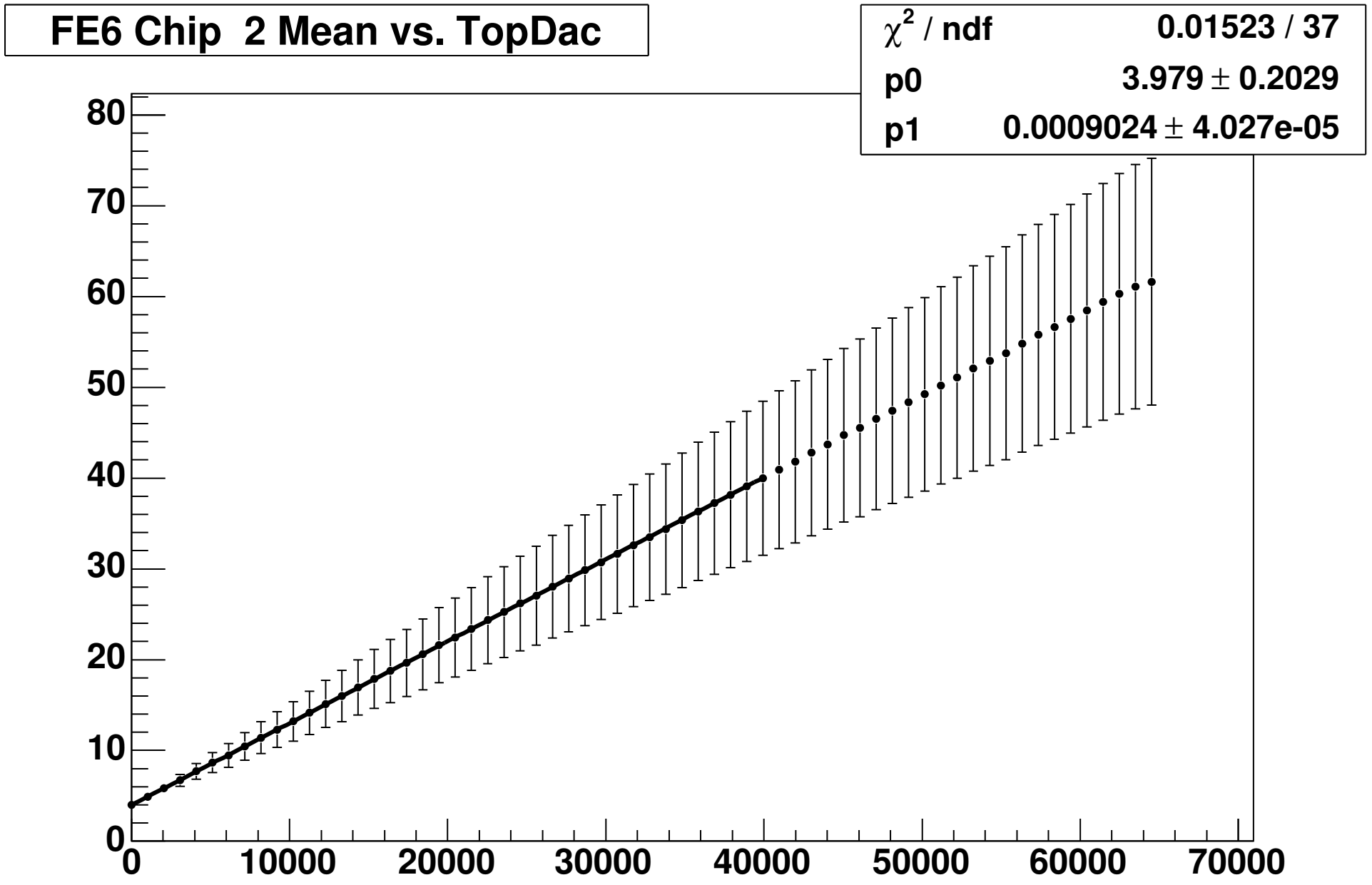
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 0.01523 / 37
p0 3.979 ± 0.2029
p1 0.0009024 ± 4.027e-05
80
70
60
50
40
30
20
10
0
0
10000
20000
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40000
50000
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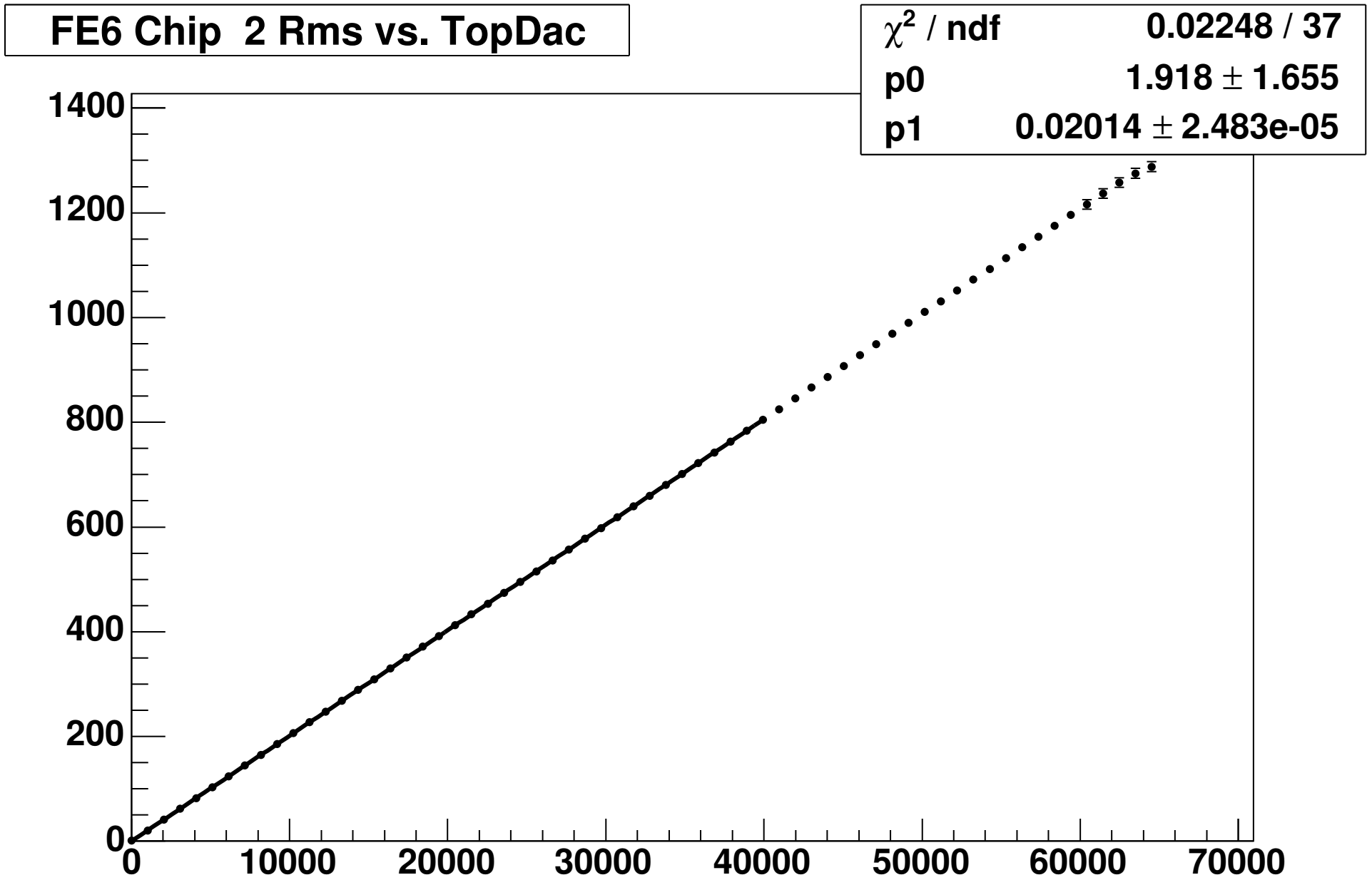
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 0.02248 / 37
p0 1.918 ± 1.655
p1 0.02014 ± 2.483e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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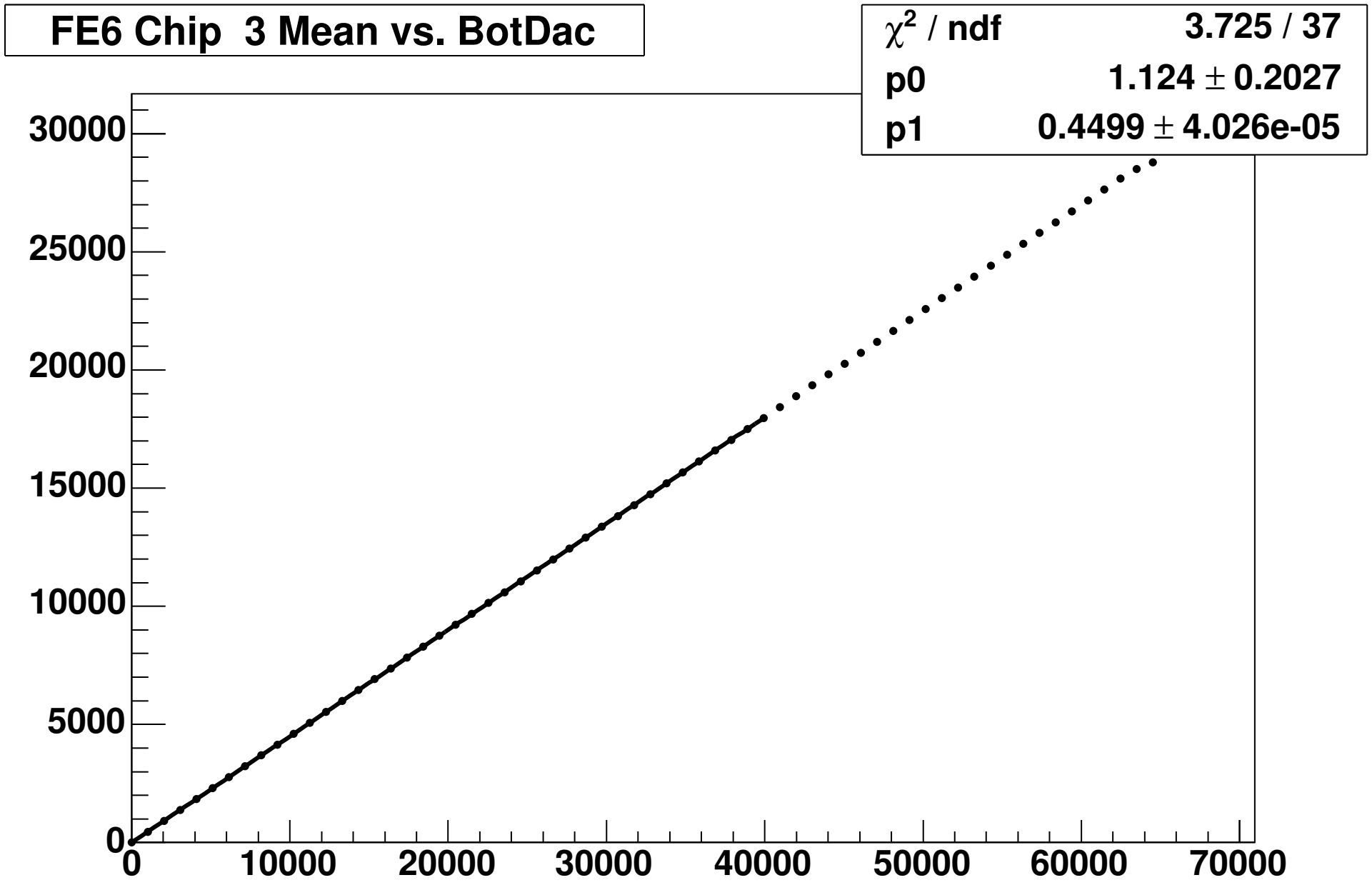
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 3.725 / 37
p0 1.124 ± 0.2027
p1 0.4499 ± 4.026e-05
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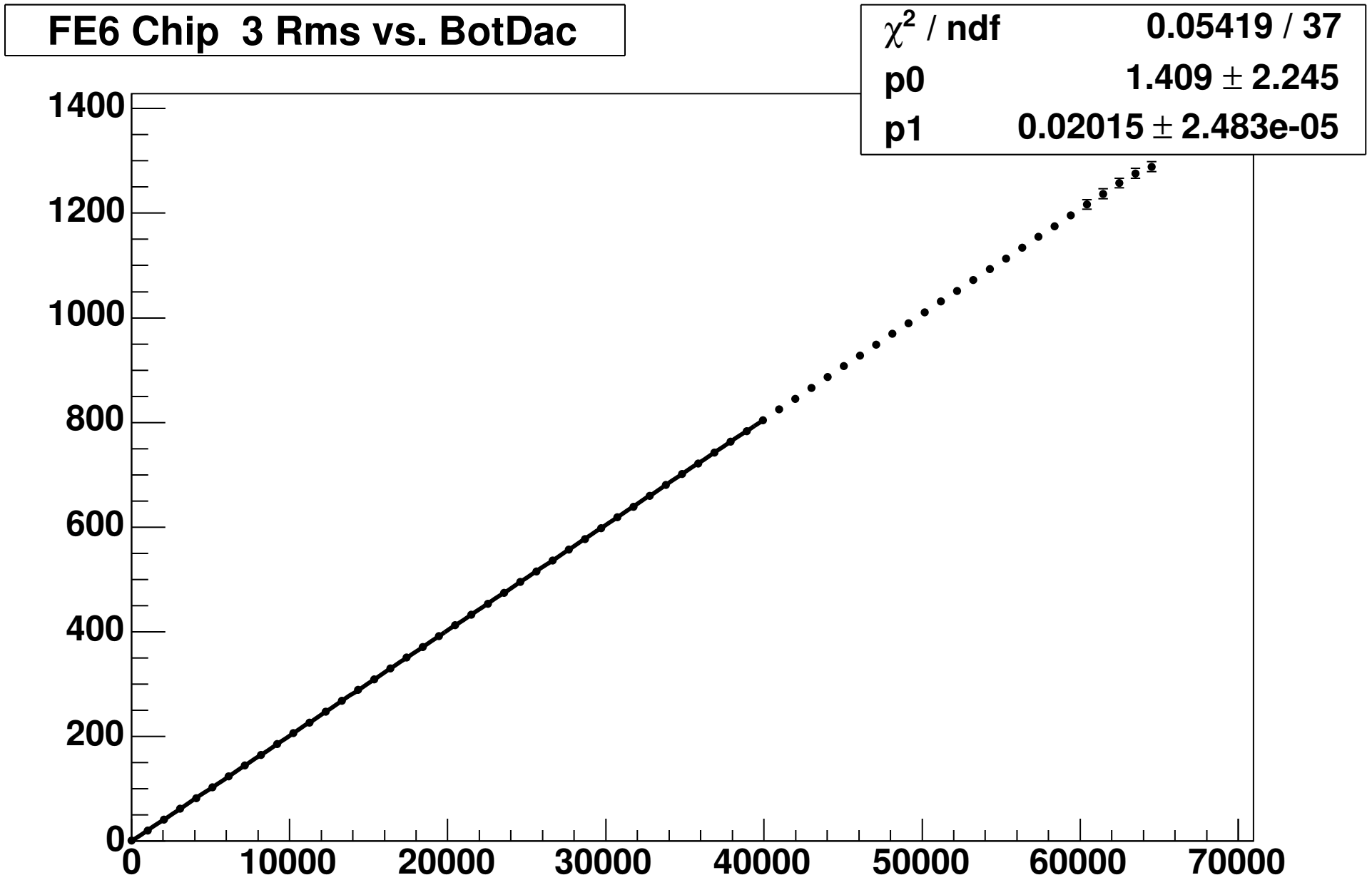
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 0.05419 / 37
p0 1.409 ± 2.245
p1 0.02015 ± 2.483e-05
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1000
800
600
400
200
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0
10000
20000
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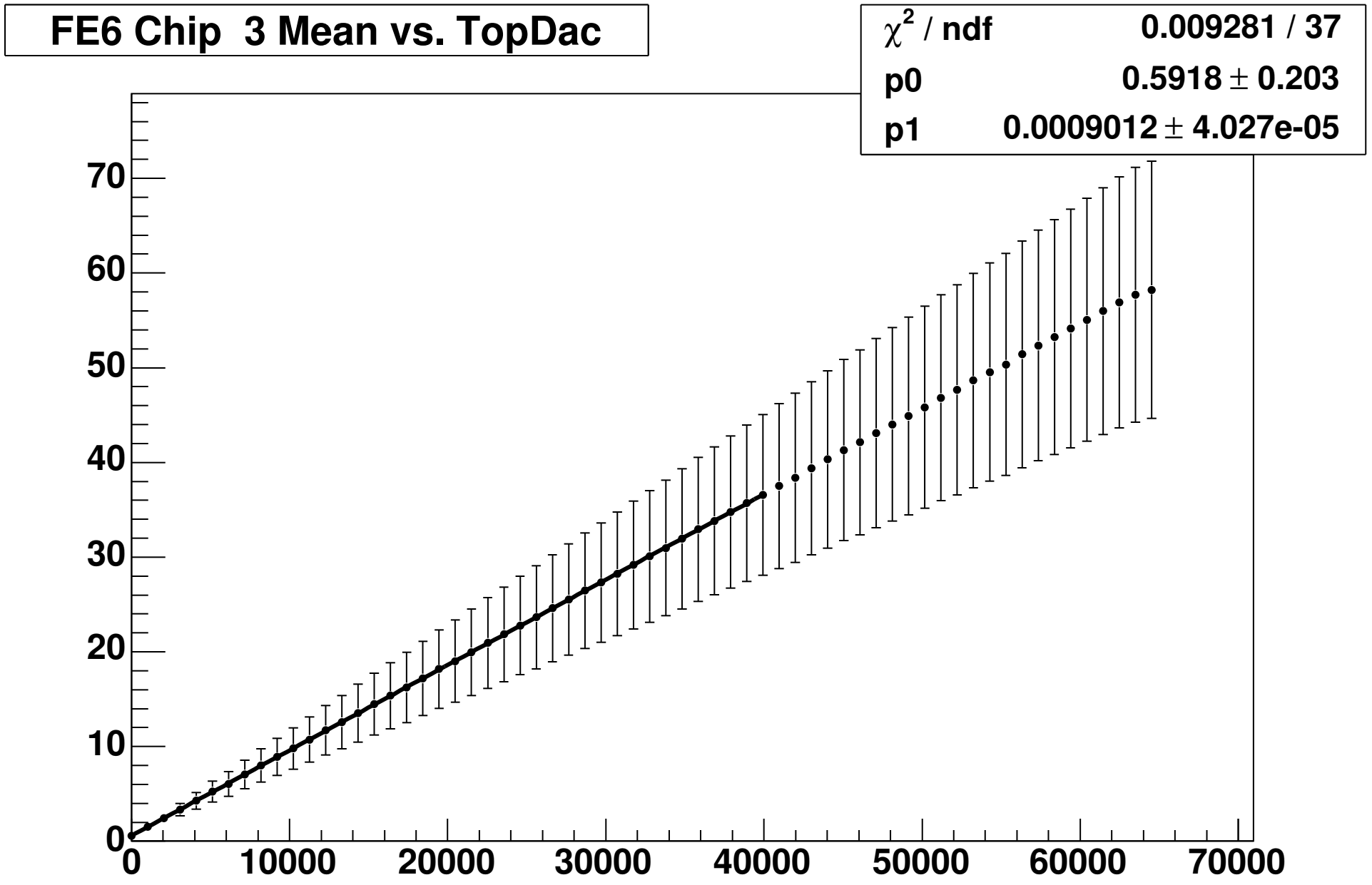
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 0.009281 / 37
p0 0.5918 ± 0.203
p1 0.0009012 ± 4.027e-05
0
10
20
30
40
50
60
70
0
10000
20000
30000
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60000
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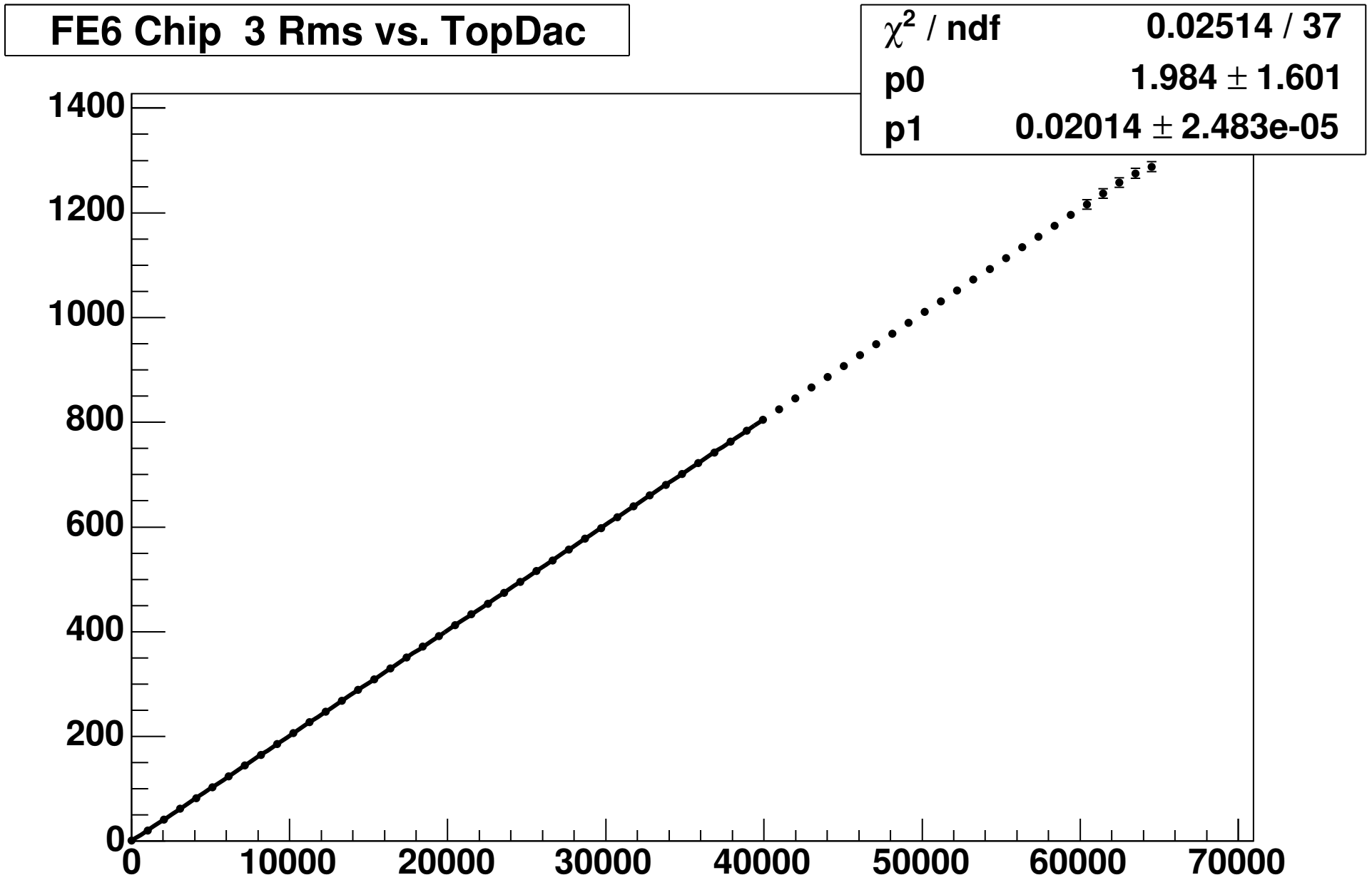
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 0.02514 / 37
p0 1.984 ± 1.601
p1 0.02014 ± 2.483e-05
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1200
1000
800
600
400
200
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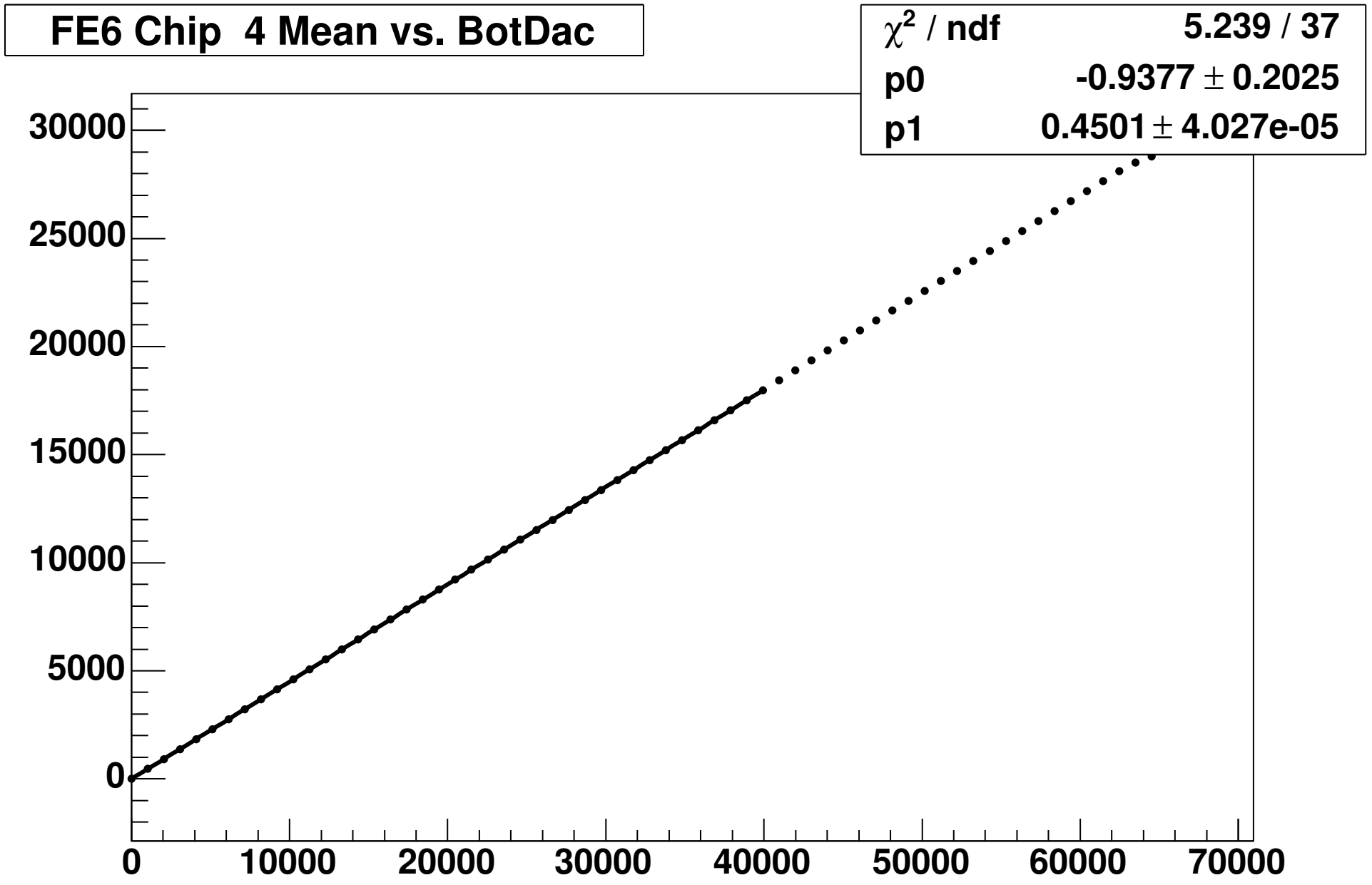
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 5.239 / 37
p0 -0.9377 ± 0.2025
p1 0.4501 ± 4.027e-05
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20000
15000
10000
5000
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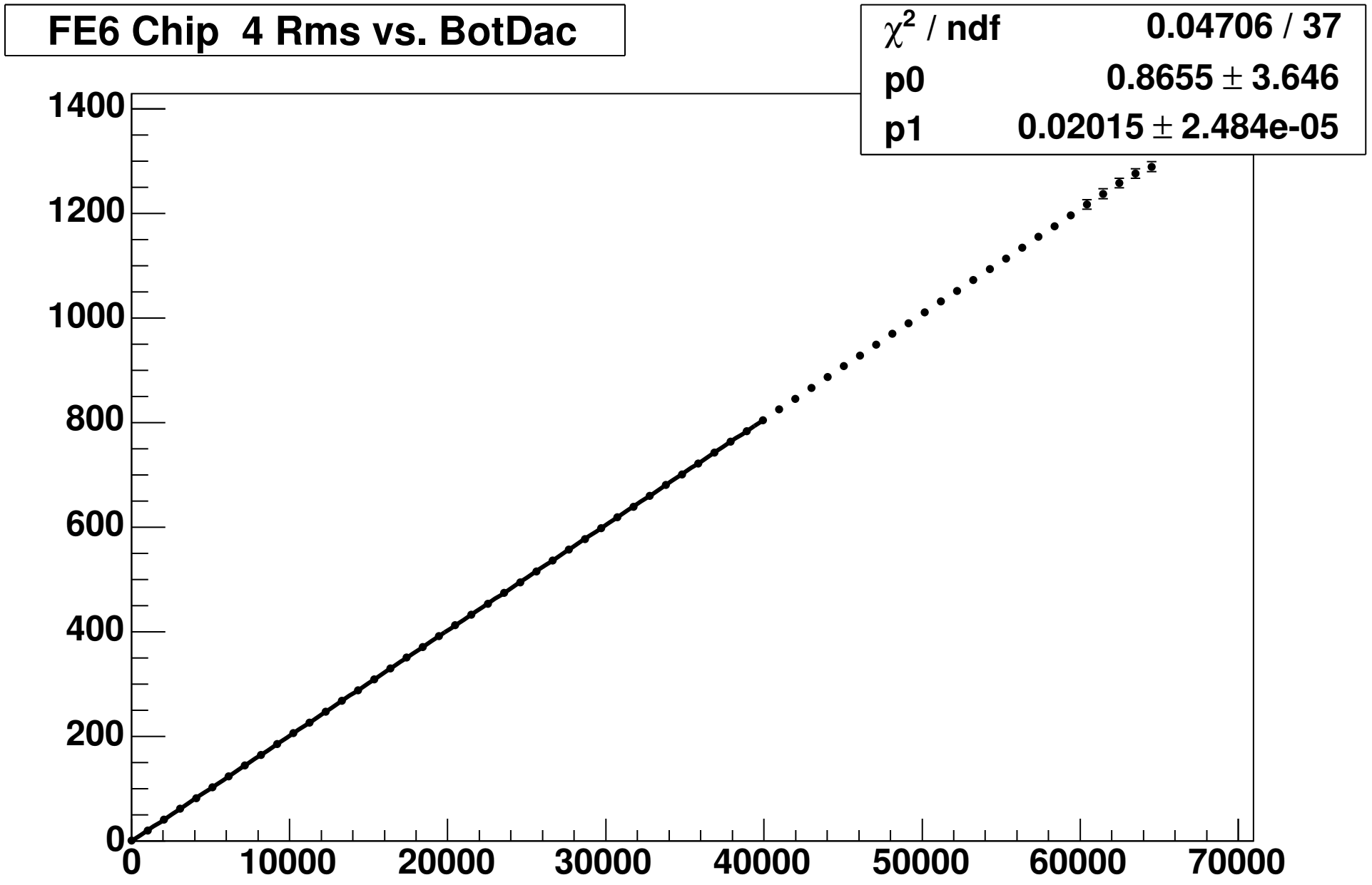
FE6 Chip 4 Rms vs. BotDac
χ² / ndf 0.04706 / 37
p0 0.8655 ± 3.646
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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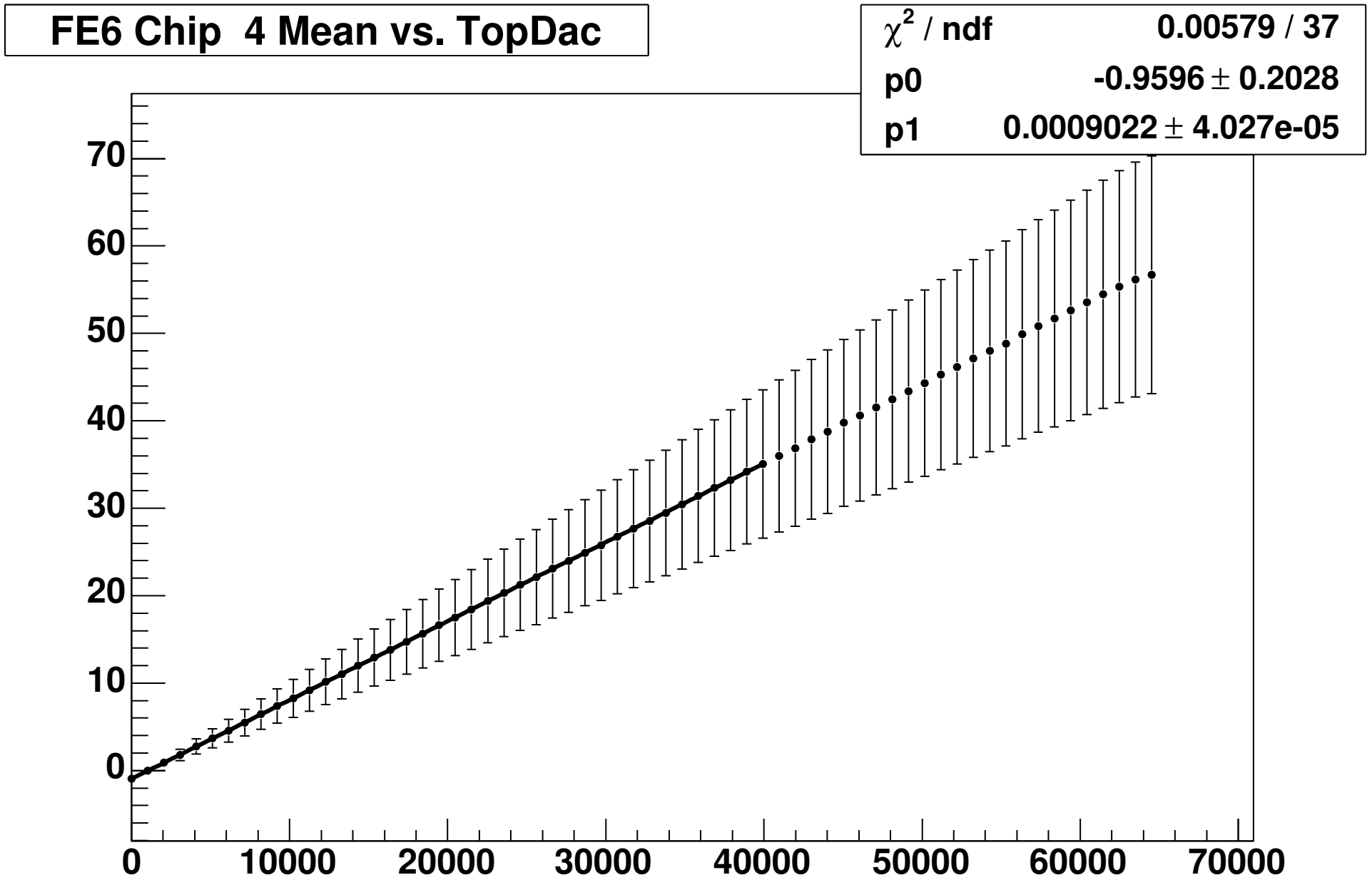
FE6 Chip 4 Mean vs. TopDac
χ² / ndf 0.00579 / 37
p0 -0.9596 ± 0.2028
p1 0.0009022 ± 4.027e-05
70
60
50
40
30
20
10
0
0
10000
20000
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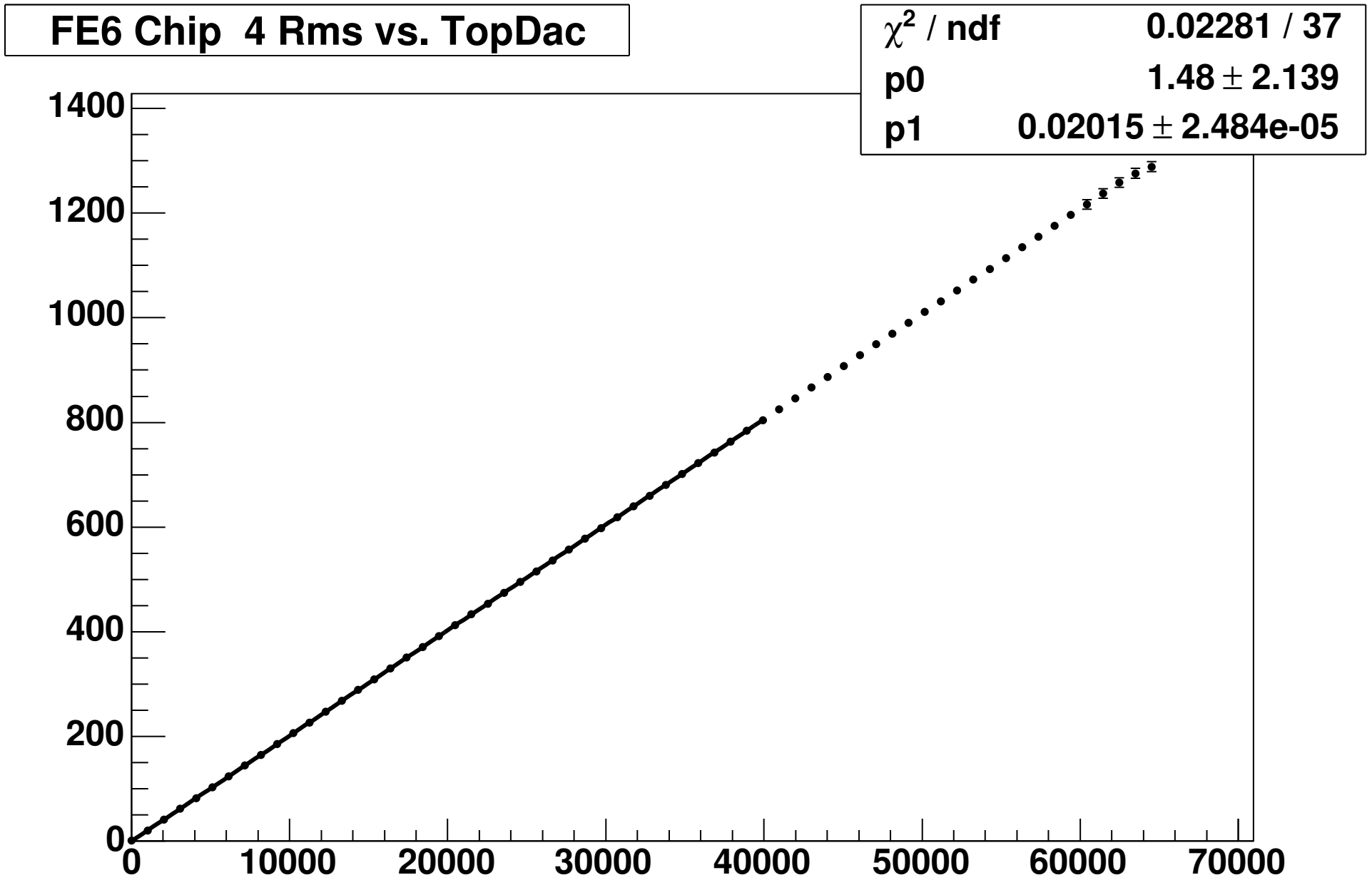
FE6 Chip 4 Rms vs. TopDac
χ² / ndf 0.02281 / 37
p0 1.48 ± 2.139
p1 0.02015 ± 2.484e-05
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1000
800
600
400
200
0
0
10000
20000
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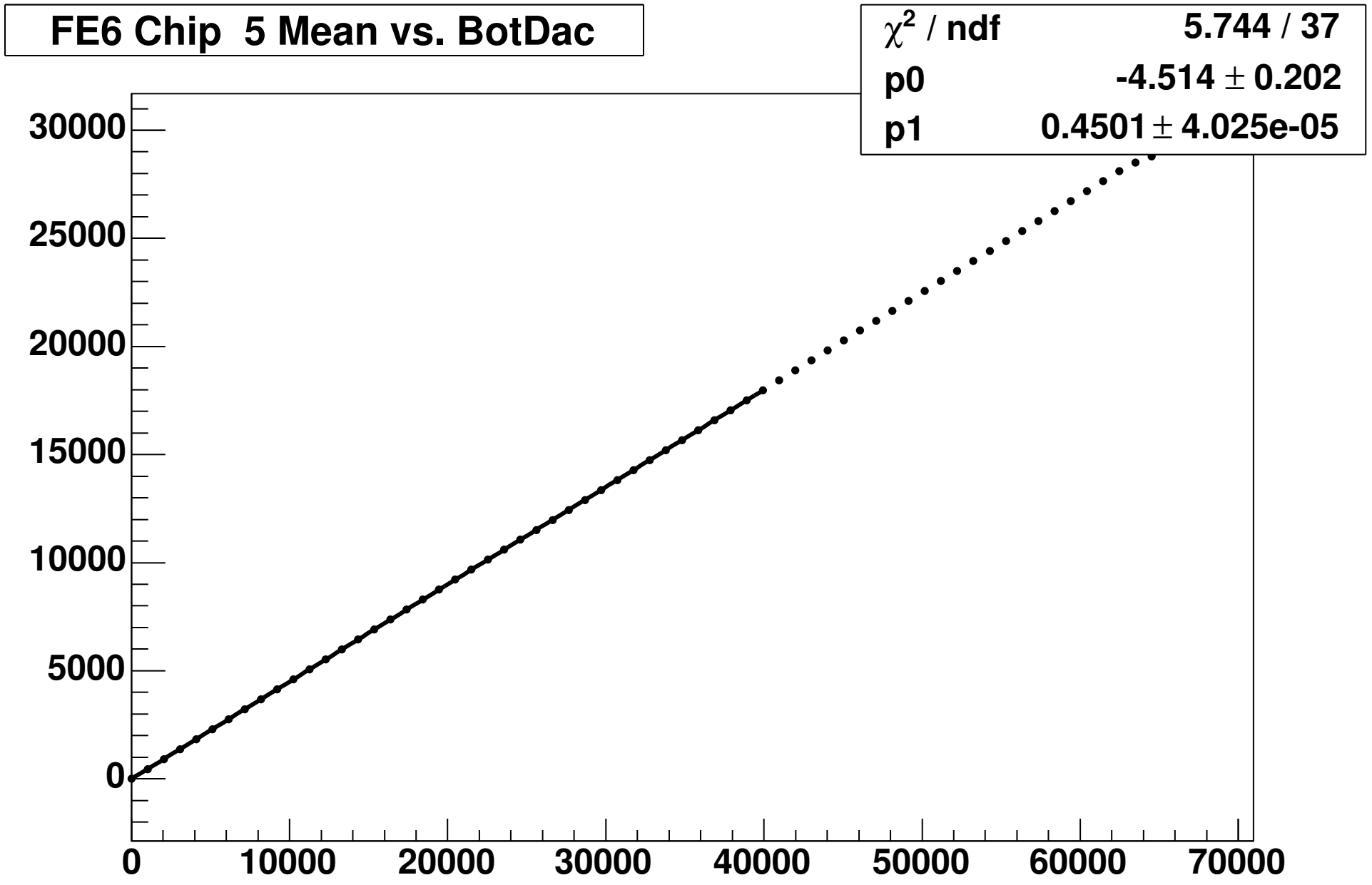
FE6 Chip 5 Mean vs. BotDac
χ² / ndf 5.744 / 37
p0 -4.514 ± 0.202
p1 0.4501 ± 4.025e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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50000
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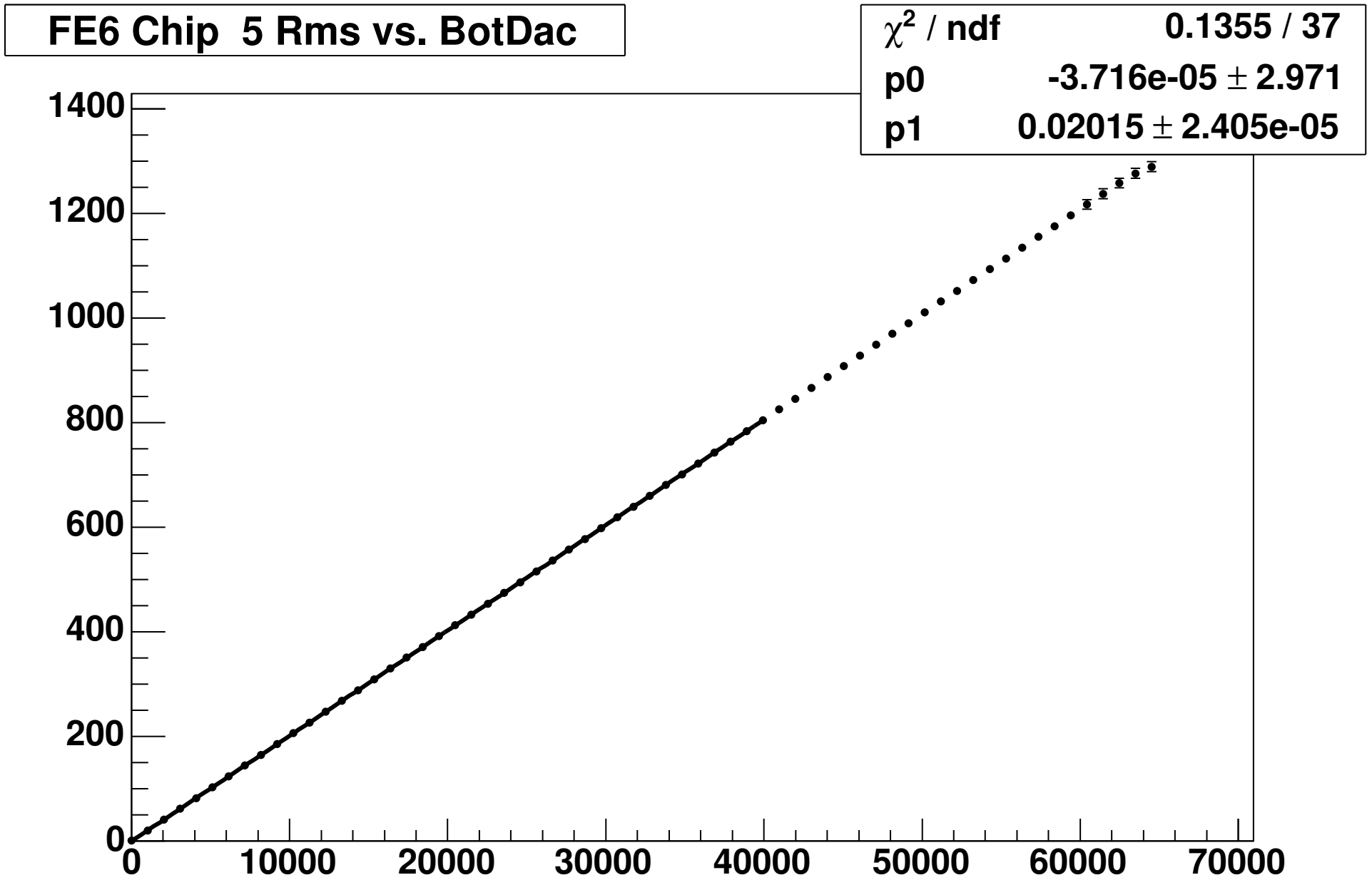
FE6 Chip 5 Rms vs. BotDac
χ² / ndf 0.1355 / 37
p0 -3.716e-05 ± 2.971
p1 0.02015 ± 2.405e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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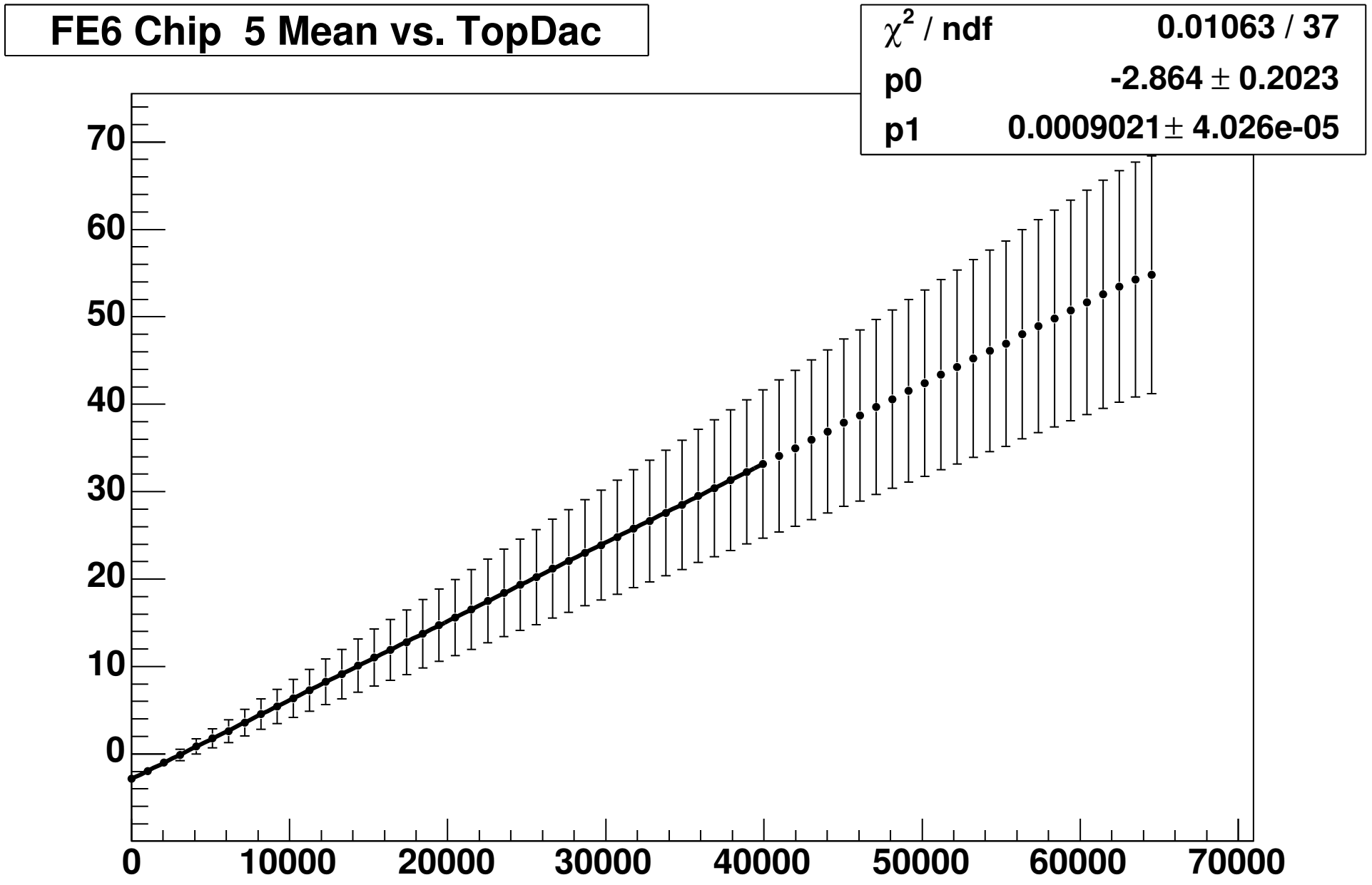
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 0.01063 / 37
p0 -2.864 ± 0.2023
p1 0.0009021 ± 4.026e-05
70
60
50
40
30
20
10
0
0
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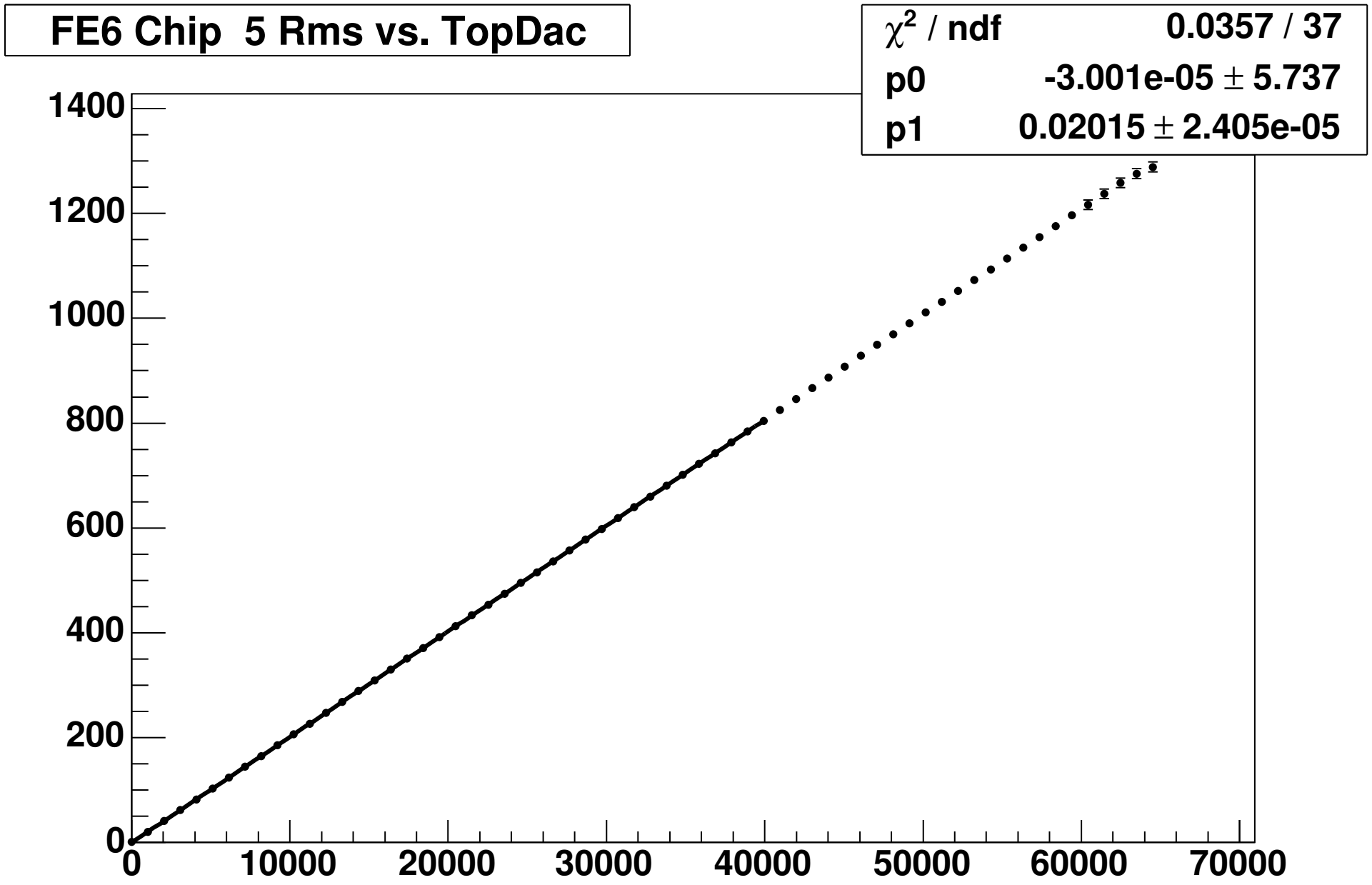
FE6 Chip 5 Rms vs. TopDac
χ² / ndf 0.0357 / 37
p0 -3.001e-05 ± 5.737
p1 0.02015 ± 2.405e-05
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1200
1000
800
600
400
200
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10000
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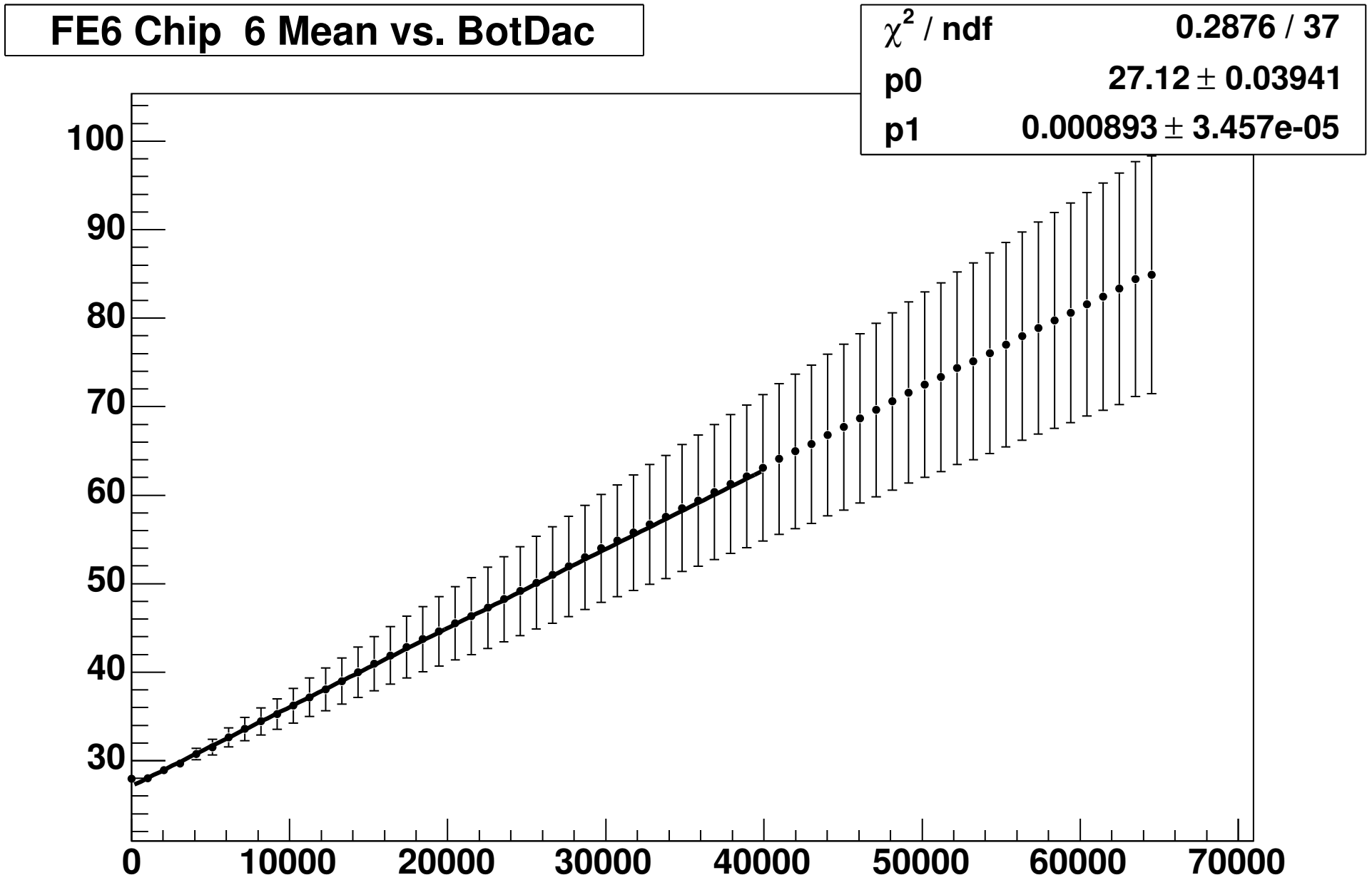
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 0.2876 / 37
p0 27.12 ± 0.03941
p1 0.000893 ± 3.457e-05
100
90
80
70
60
50
40
30
0
10000
20000
30000
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60000
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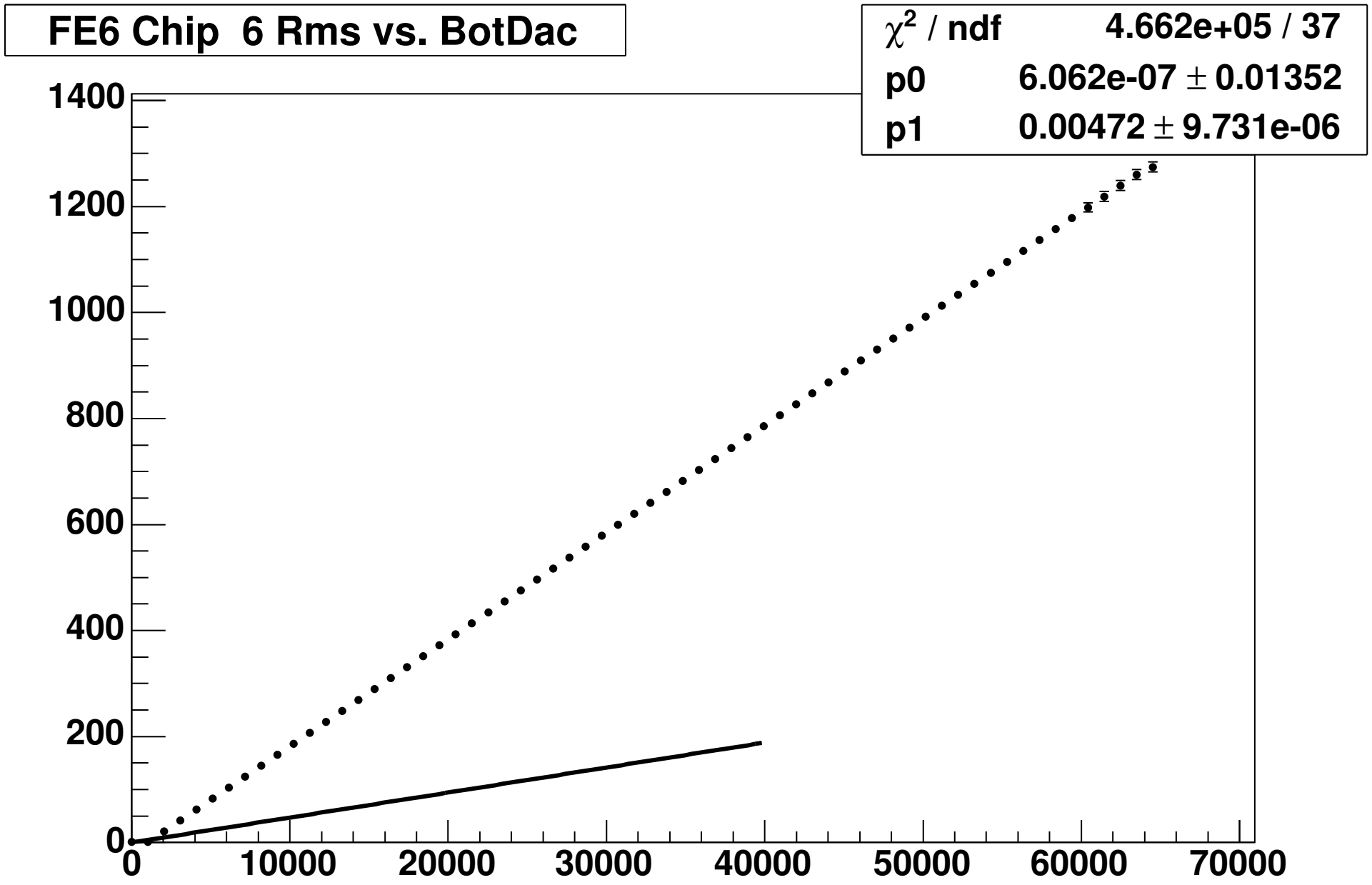
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 4.662e+05 / 37
p0 6.062e-07 ± 0.01352
p1 0.00472 ± 9.731e-06
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1200
1000
800
600
400
200
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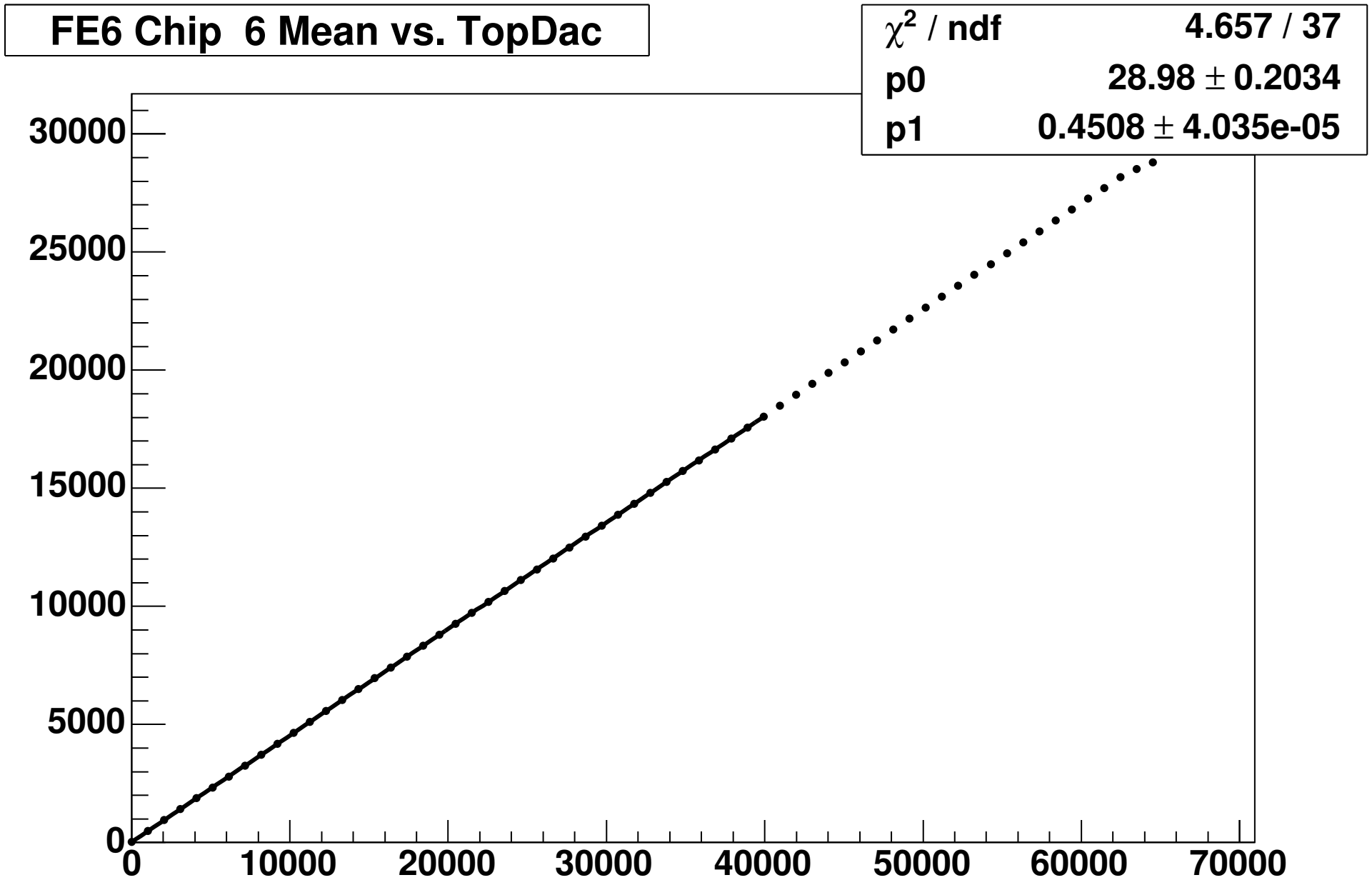
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 4.657 / 37
p0 28.98 ± 0.2034
p1 0.4508 ± 4.035e-05
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25000
20000
15000
10000
5000
0
0
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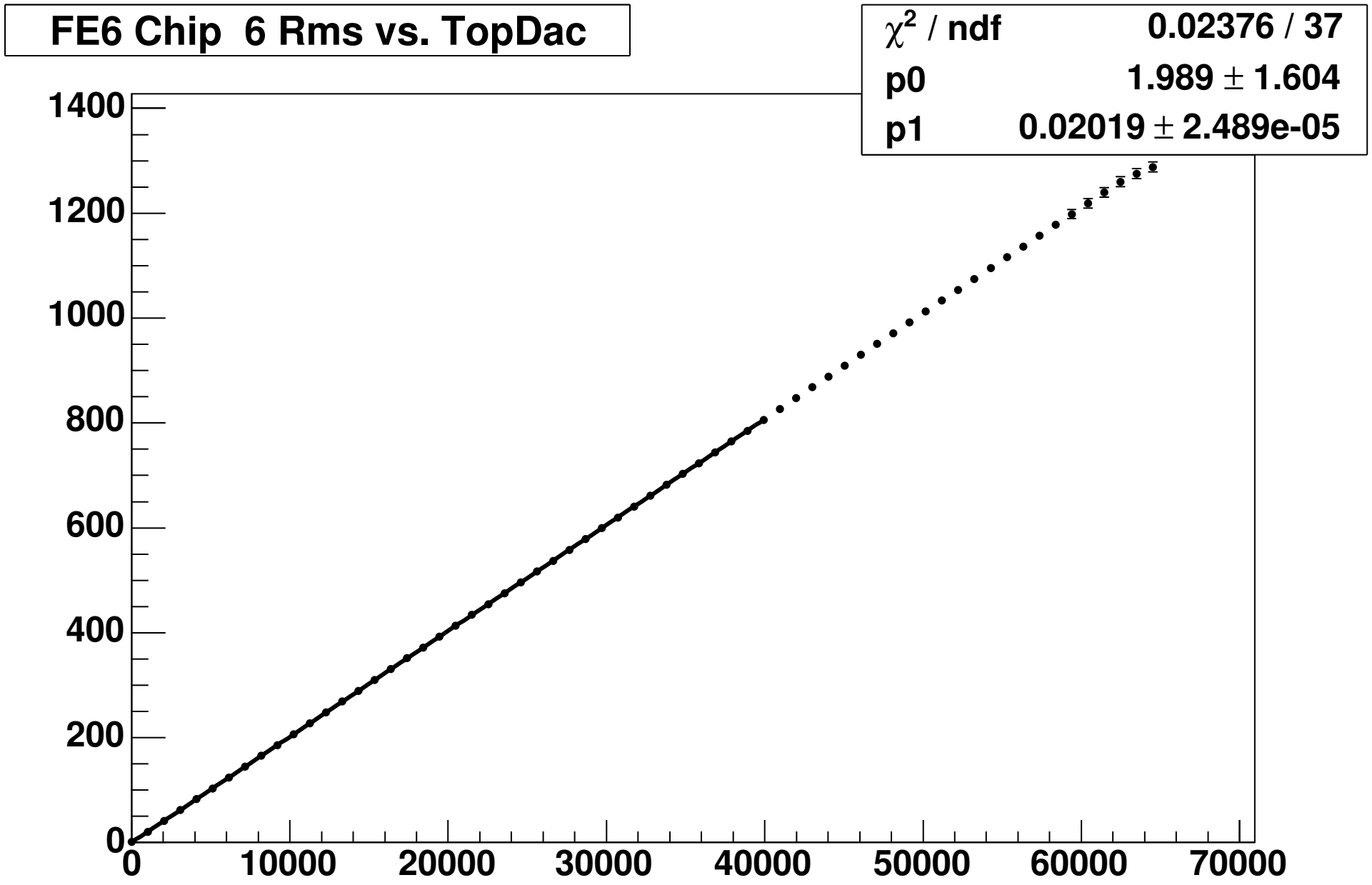
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 0.02376 / 37
p0 1.989 ± 1.604
p1 0.02019 ± 2.489e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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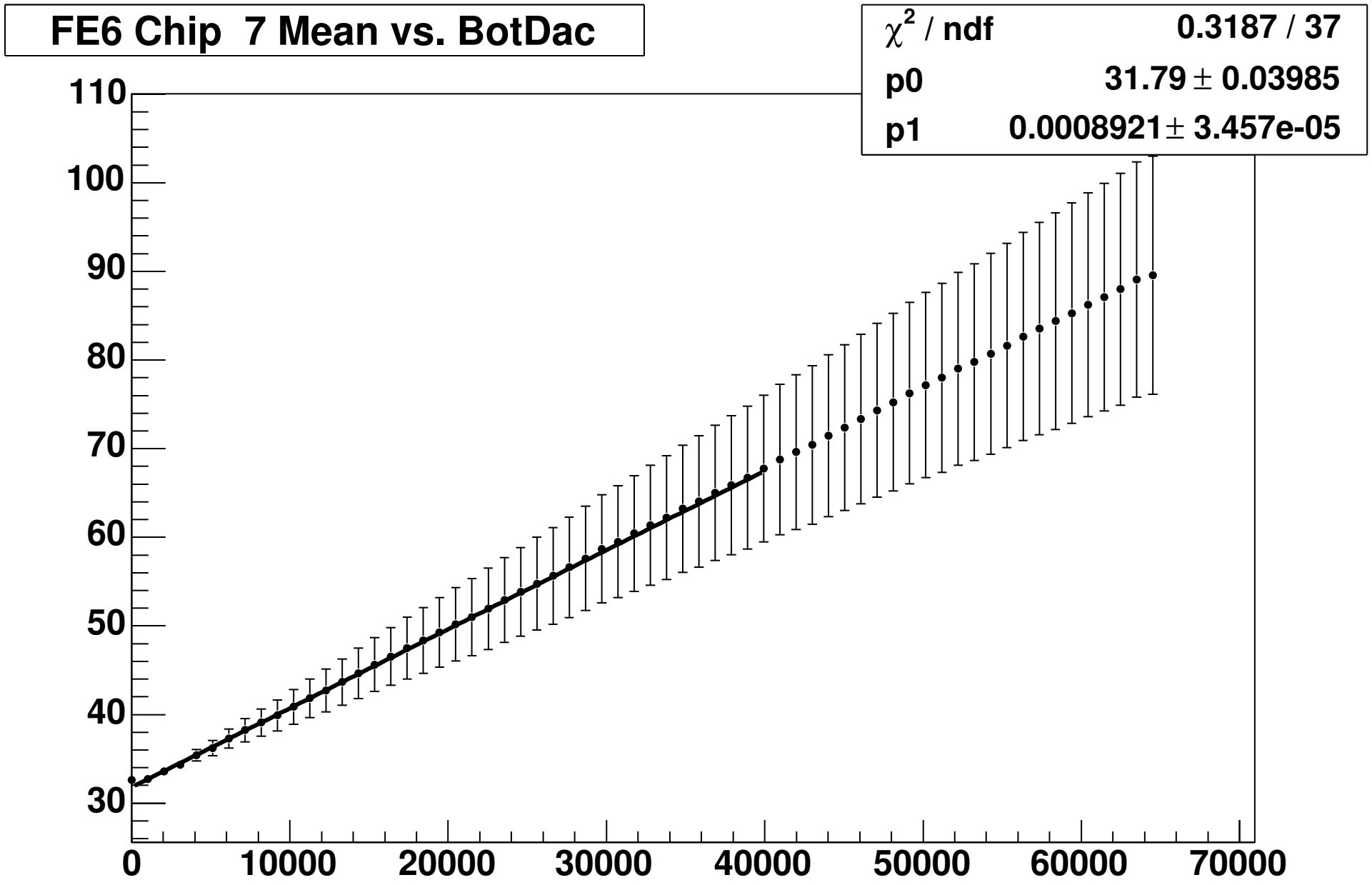
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 0.3187 / 37
p0 31.79 ± 0.03985
p1 0.0008921 ± 3.457e-05
110
100
90
80
70
60
50
40
30
0
10000
20000
30000
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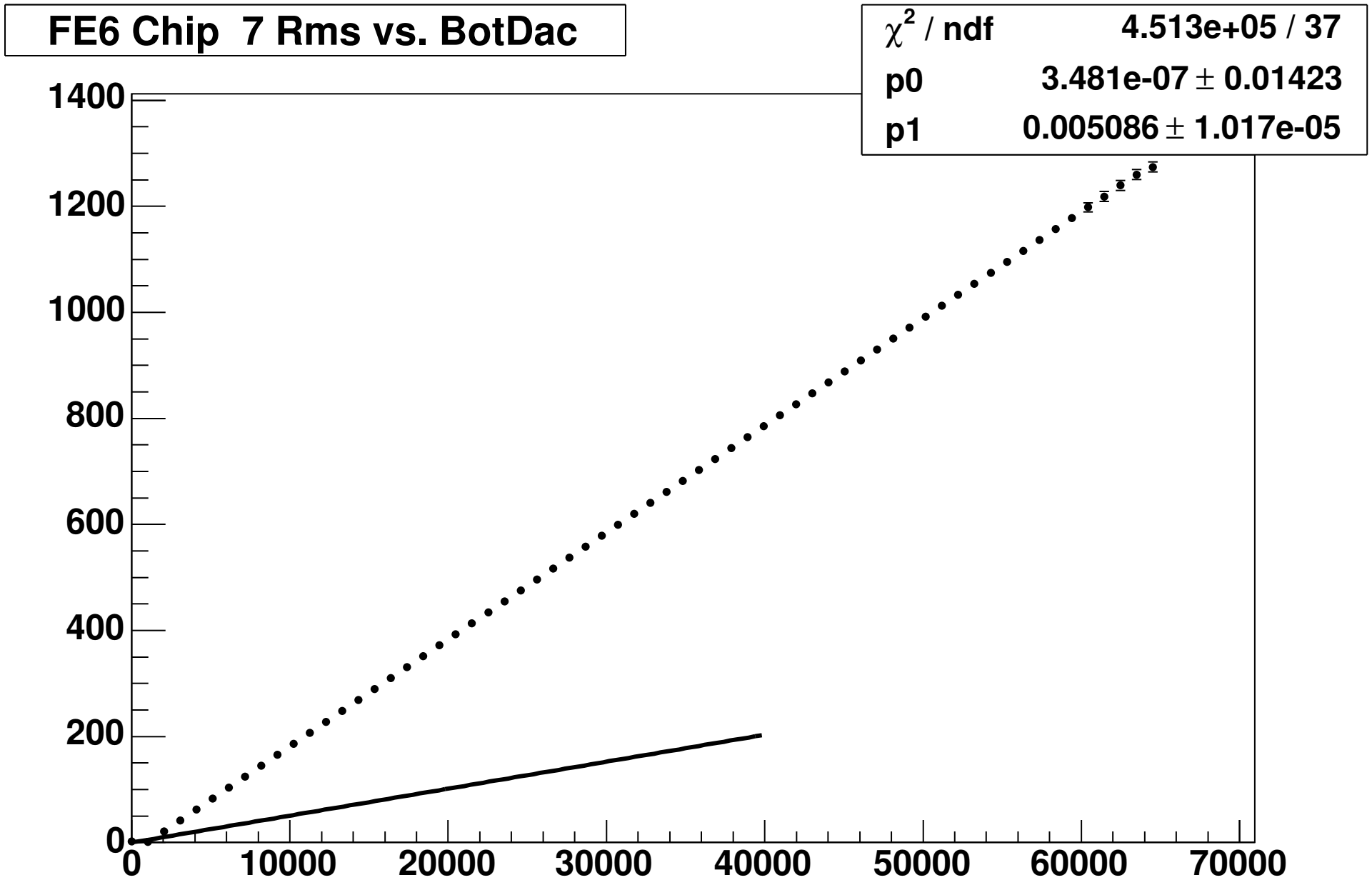
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 4.513e+05 / 37
p0 3.481e-07 ± 0.01423
p1 0.005086 ± 1.017e-05
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1200
1000
800
600
400
200
0
0
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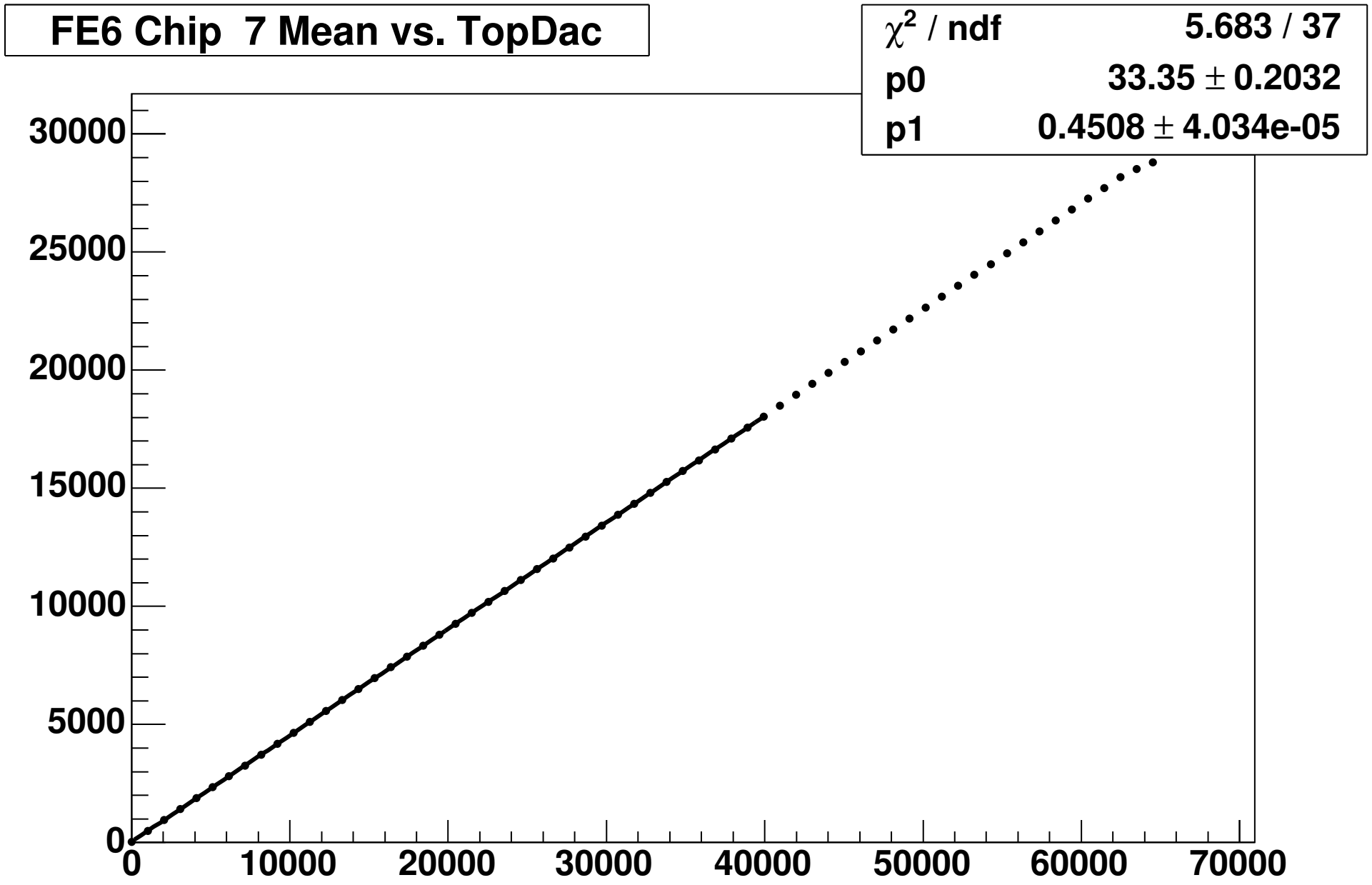
FE6 Chip 7 Mean vs. TopDac
χ^2 / ndf 5.683 / 37
p0 33.35 ± 0.2032
p1 0.4508 ± 4.034e-05
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20000
15000
10000
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0
0
10000
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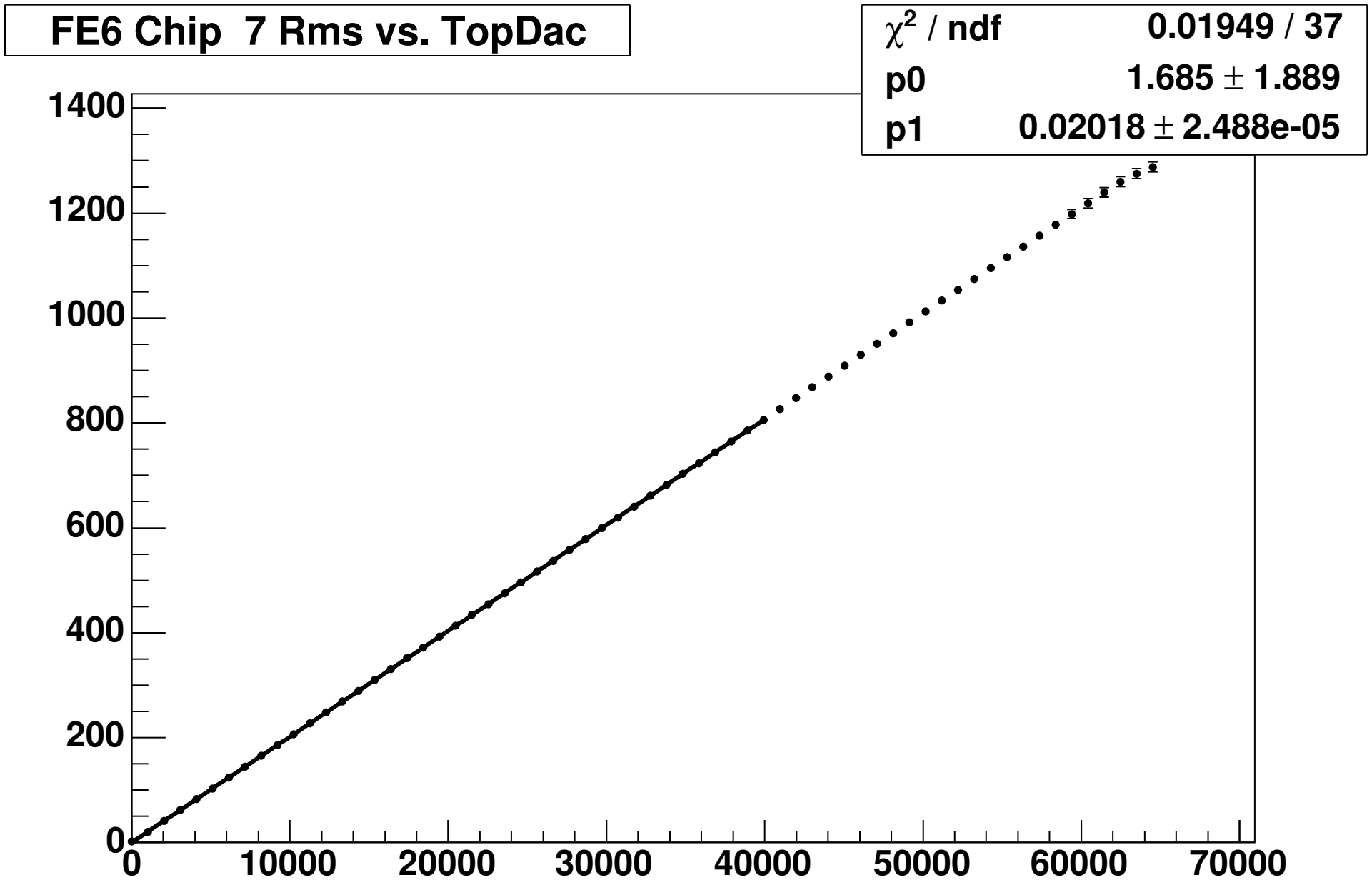
FE6 Chip 7 Rms vs. TopDac
χ² / ndf 0.01949 / 37
p0 1.685 ± 1.889
p1 0.02018 ± 2.488e-05
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1200
1000
800
600
400
200
0
0
10000
20000
30000
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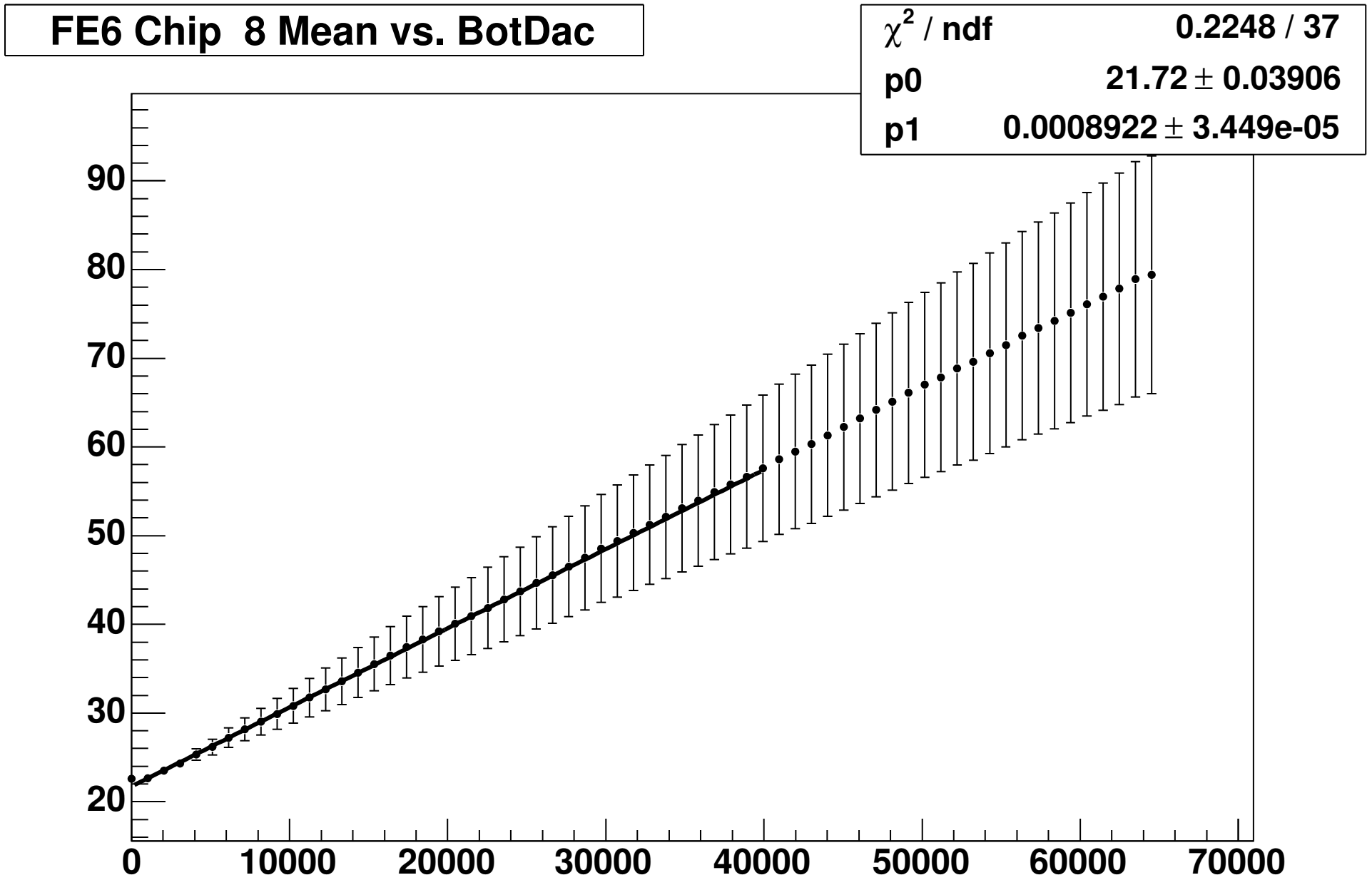
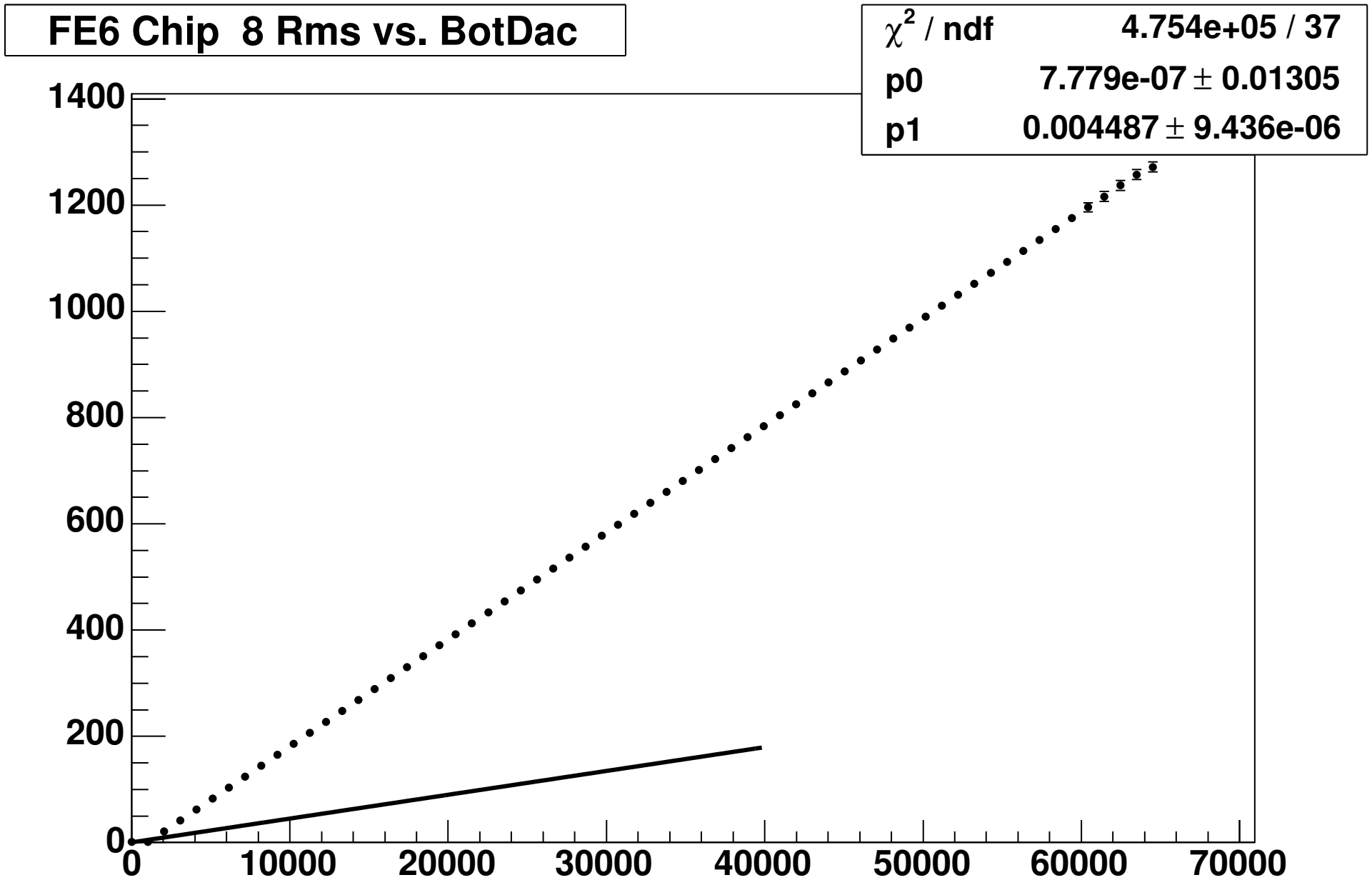

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 0.2248 / 37
p0 21.72 ± 0.03906
p1 0.0008922 ± 3.449e-05
90
80
70
60
50
40
30
20
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 4.754e+05 / 37
p0 7.779e-07 ± 0.01305
p1 0.004487 ± 9.436e-06
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1000
800
600
400
200
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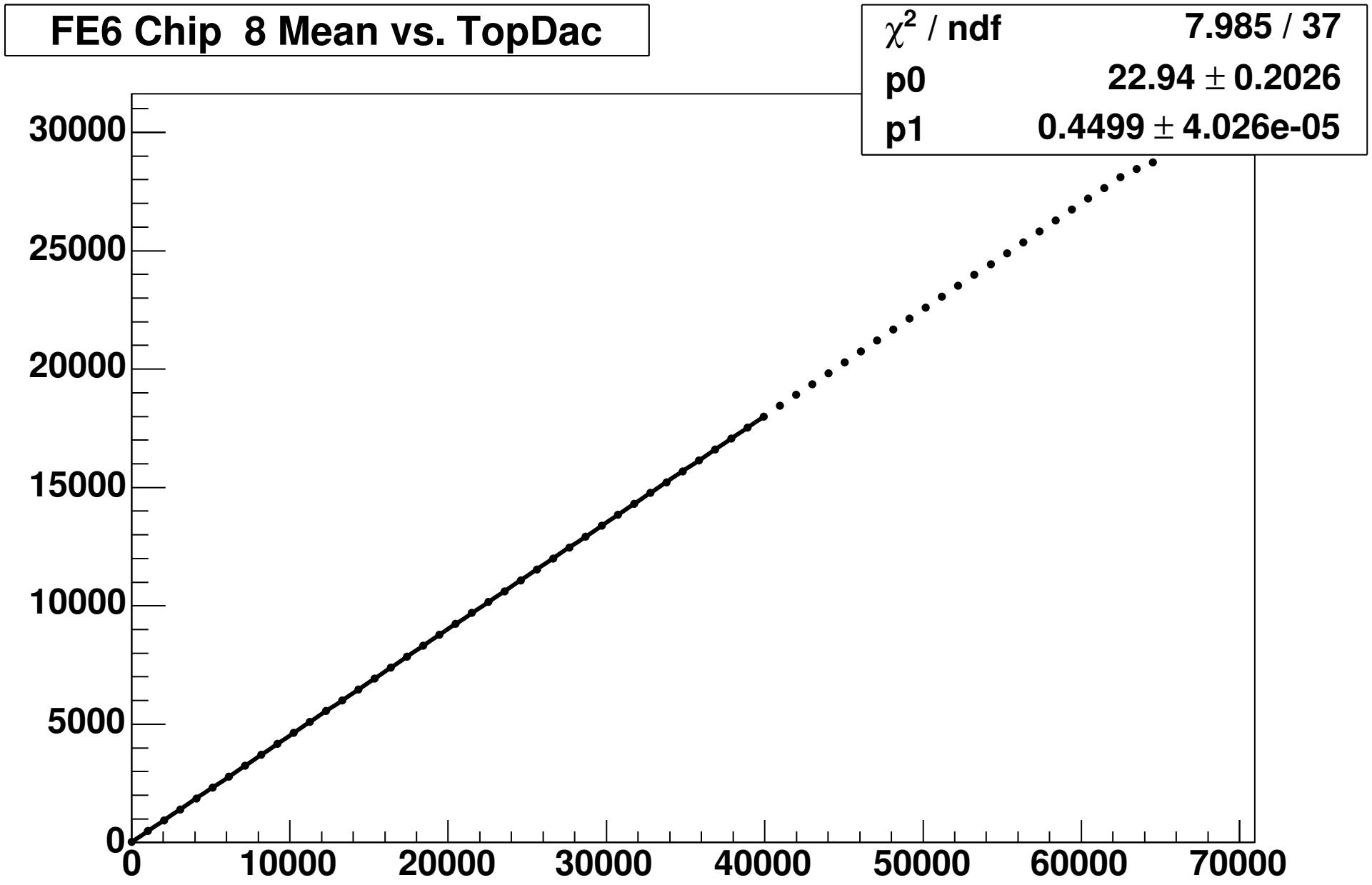
FE6 Chip 8 Mean vs. TopDac
χ^2 / ndf 7.985 / 37
p0 22.94 ± 0.2026
p1 0.4499 ± 4.026e-05
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25000
20000
15000
10000
5000
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0
10000
20000
30000
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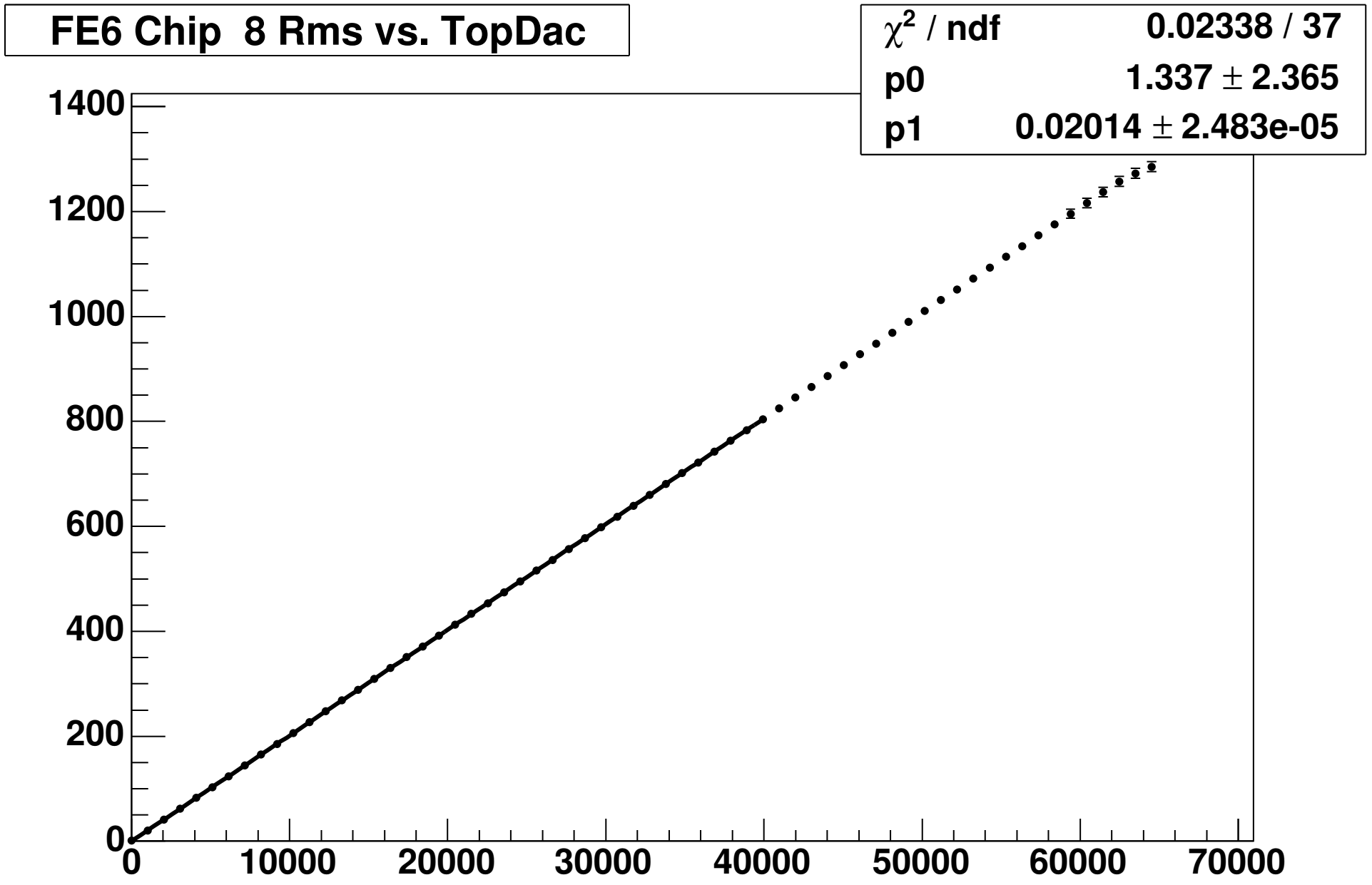
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 0.02338 / 37
p0 1.337 ± 2.365
p1 0.02014 ± 2.483e-05
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1200
1000
800
600
400
200
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0
10000
20000
30000
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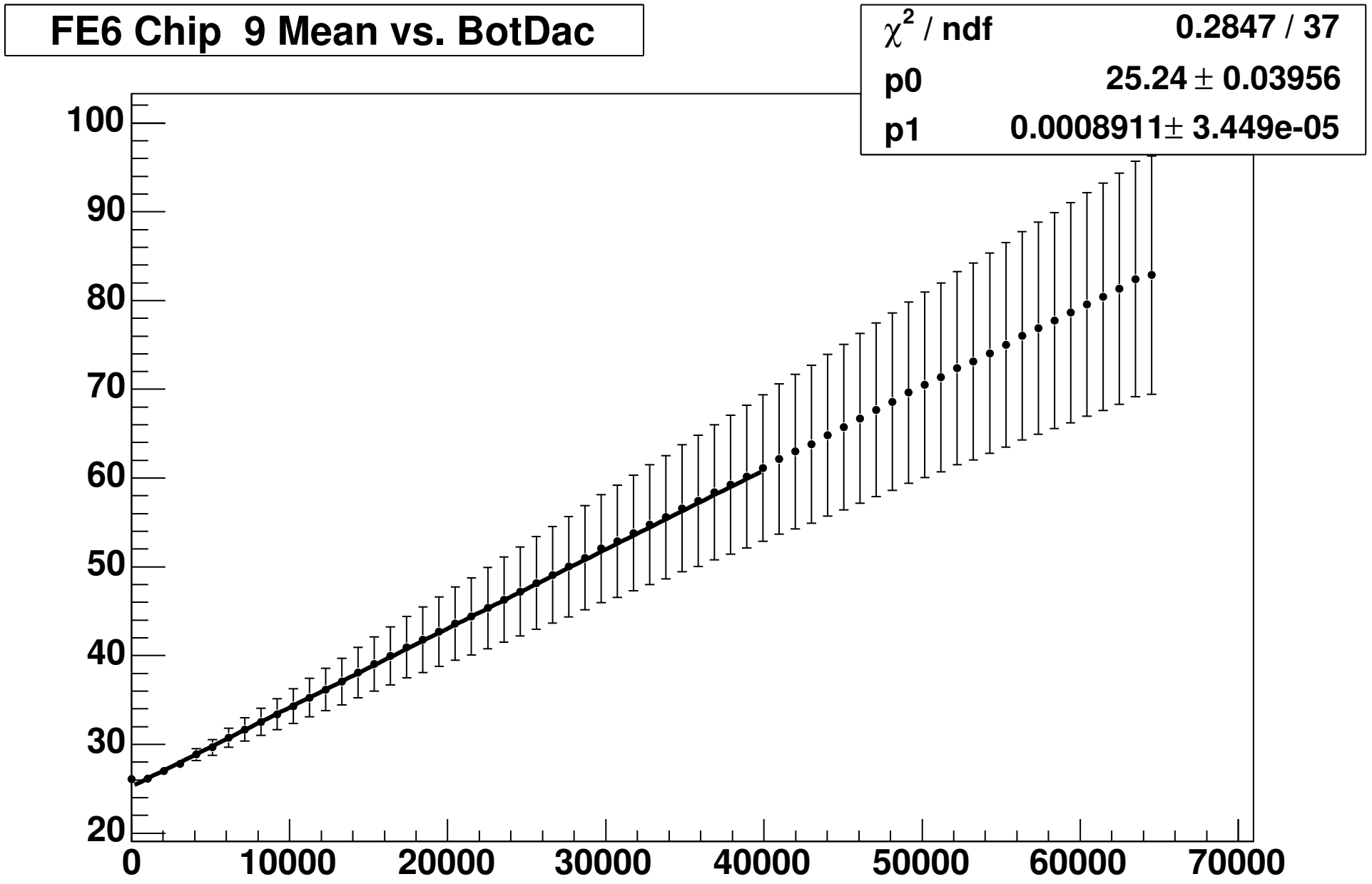
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 0.2847 / 37
p0 25.24 ± 0.03956
p1 0.0008911 ± 3.449e-05
100
90
80
70
60
50
40
30
20
0
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20000
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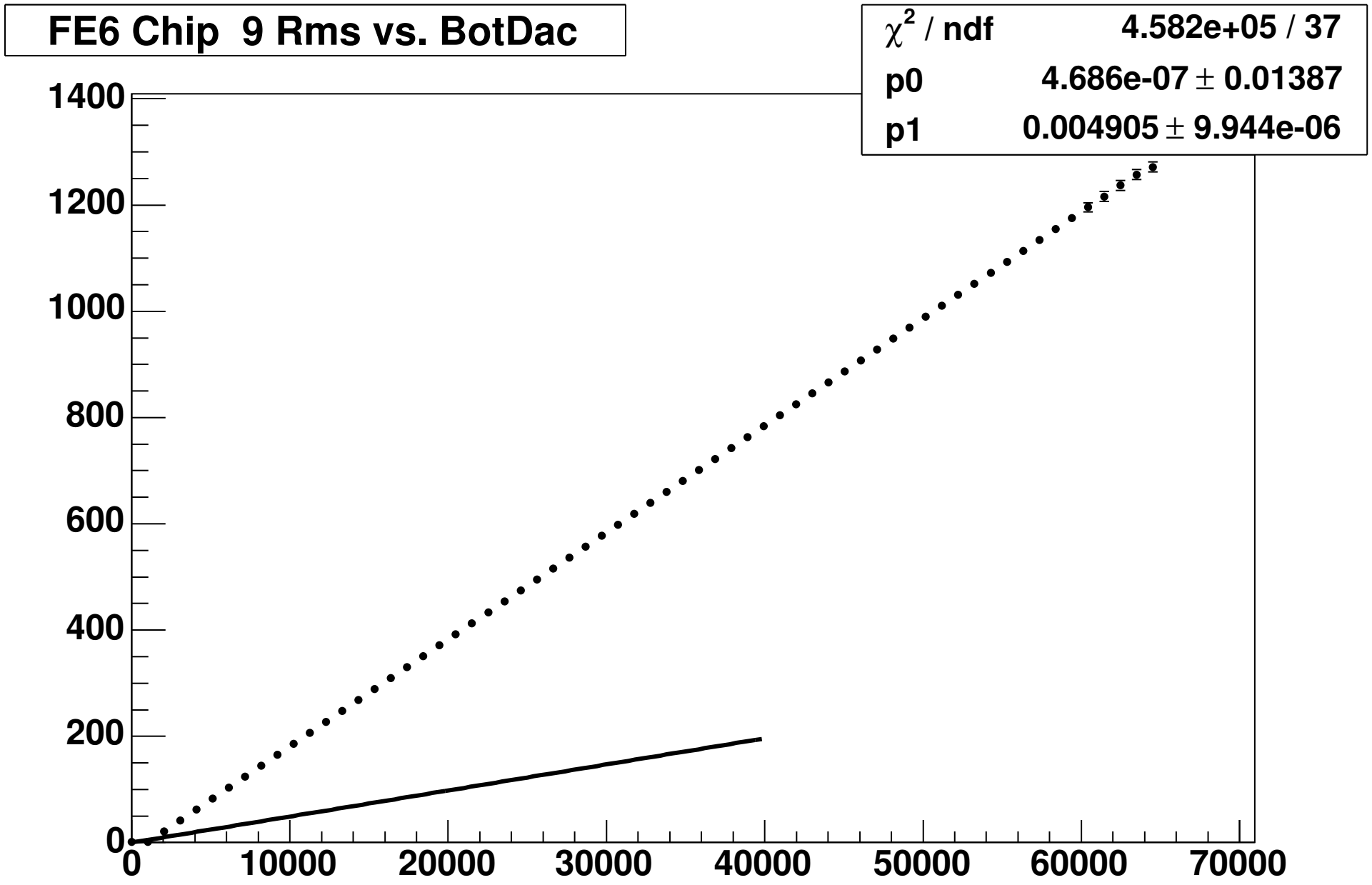
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 4.582e+05 / 37
p0 4.686e-07 ± 0.01387
p1 0.004905 ± 9.944e-06
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1200
1000
800
600
400
200
0
0
10000
20000
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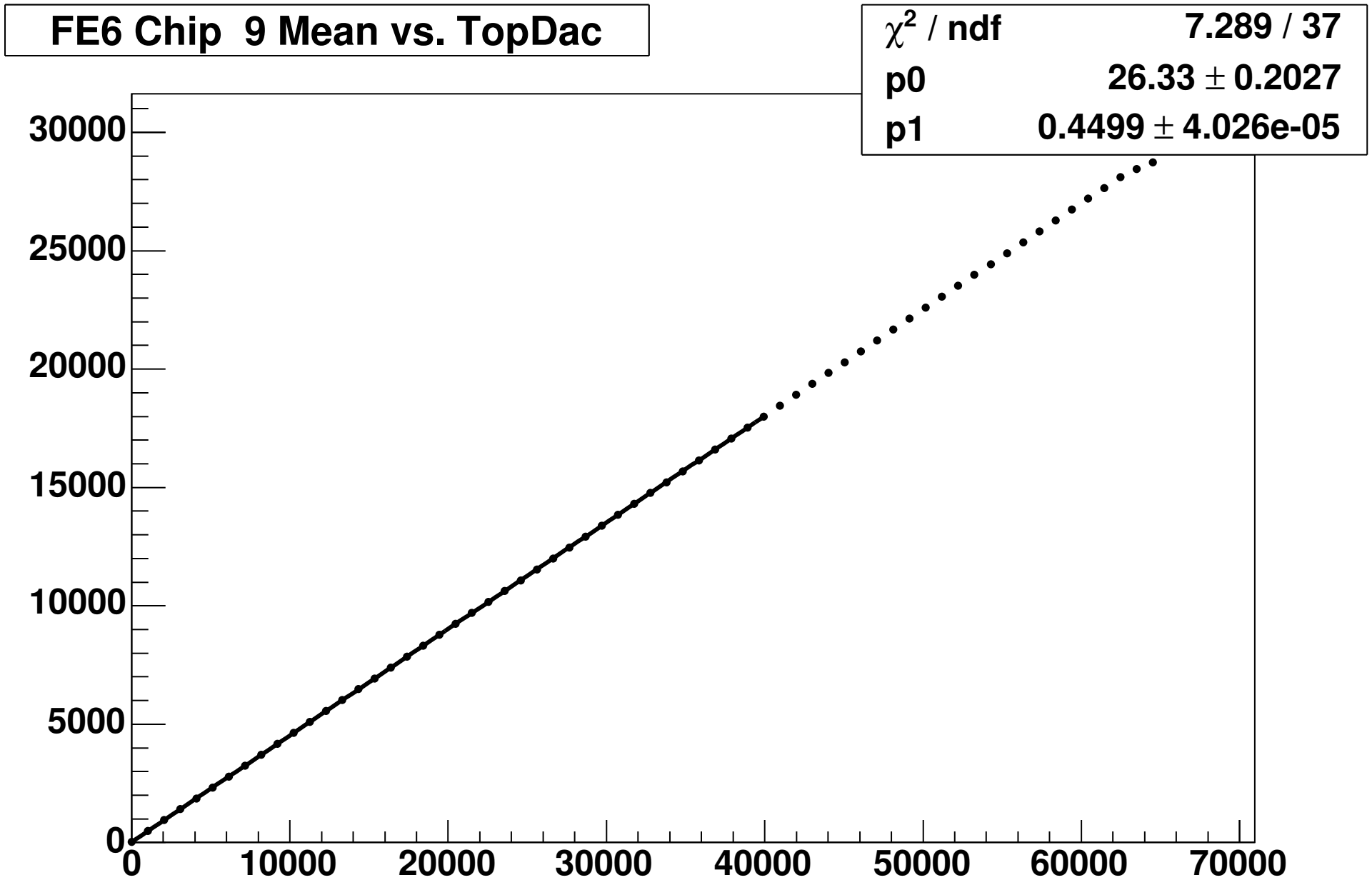
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 7.289 / 37
p0 26.33 ± 0.2027
p1 0.4499 ± 4.026e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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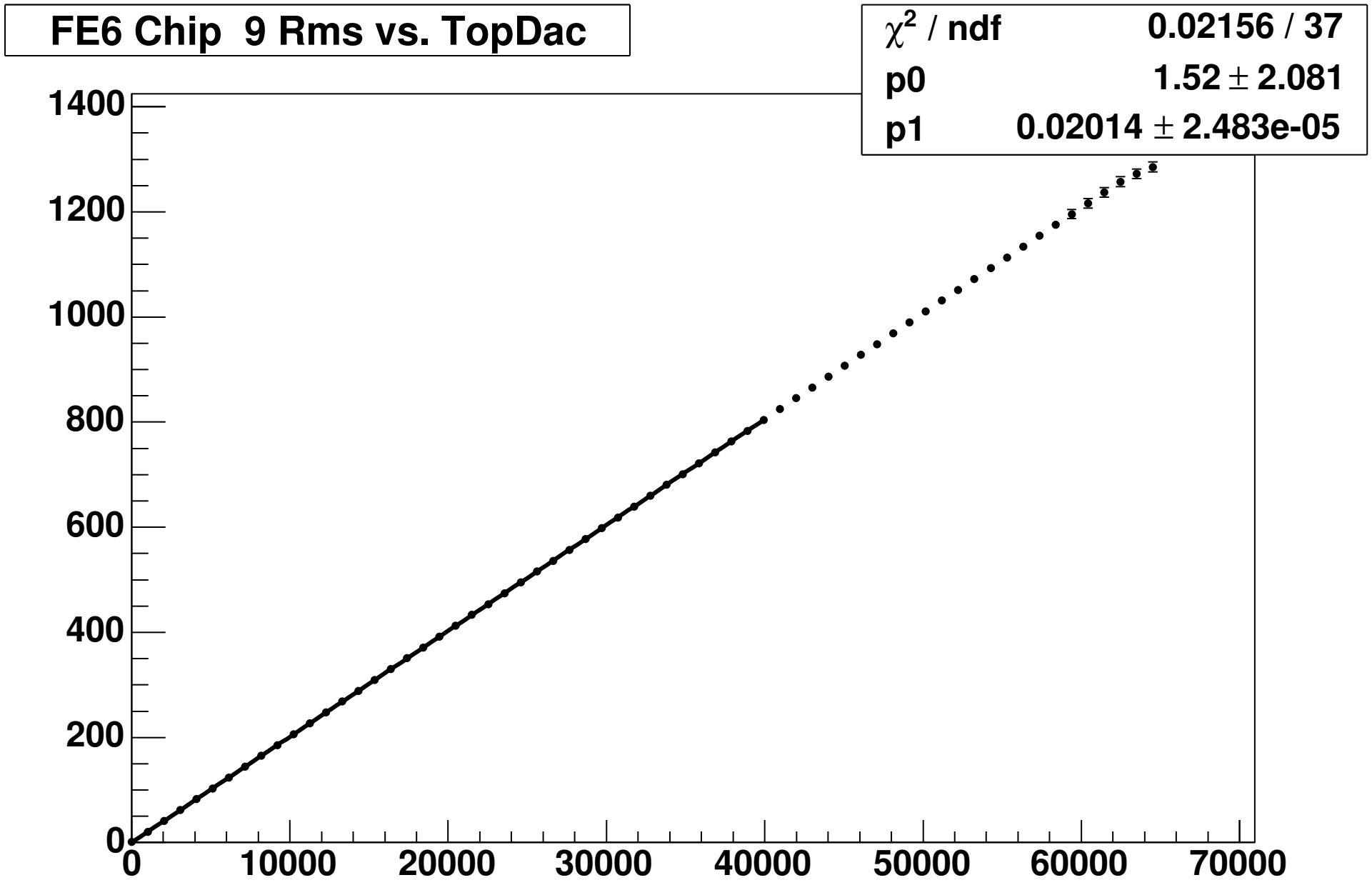
FE6 Chip 9 Rms vs. TopDac
χ² / ndf 0.02156 / 37
p0 1.52 ± 2.081
p1 0.02014 ± 2.483e-05
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1200
1000
800
600
400
200
0
0
10000
20000
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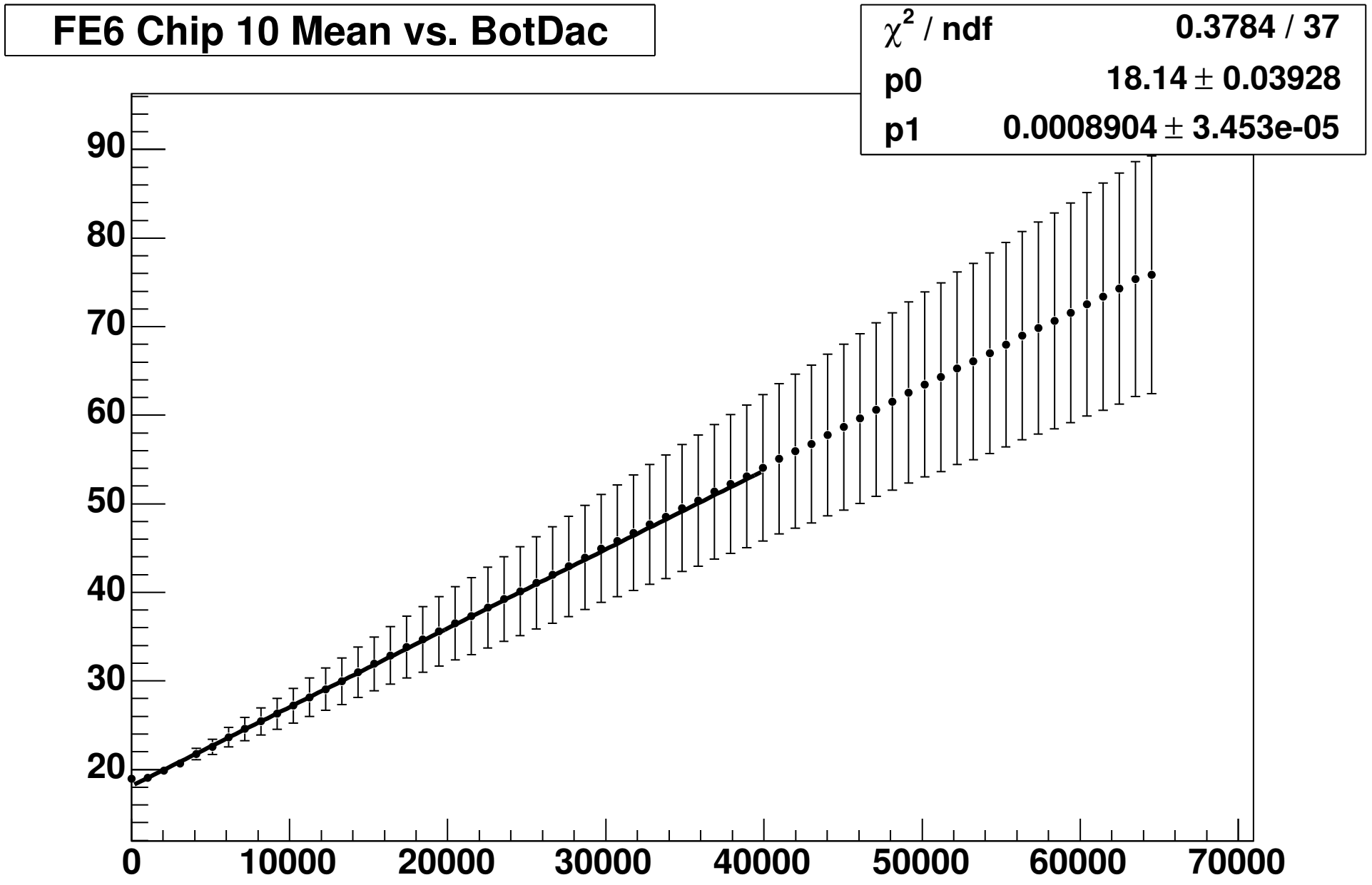
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 0.3784 / 37
p0 18.14 ± 0.03928
p1 0.0008904 ± 3.453e-05
90
80
70
60
50
40
30
20
0
10000
20000
30000
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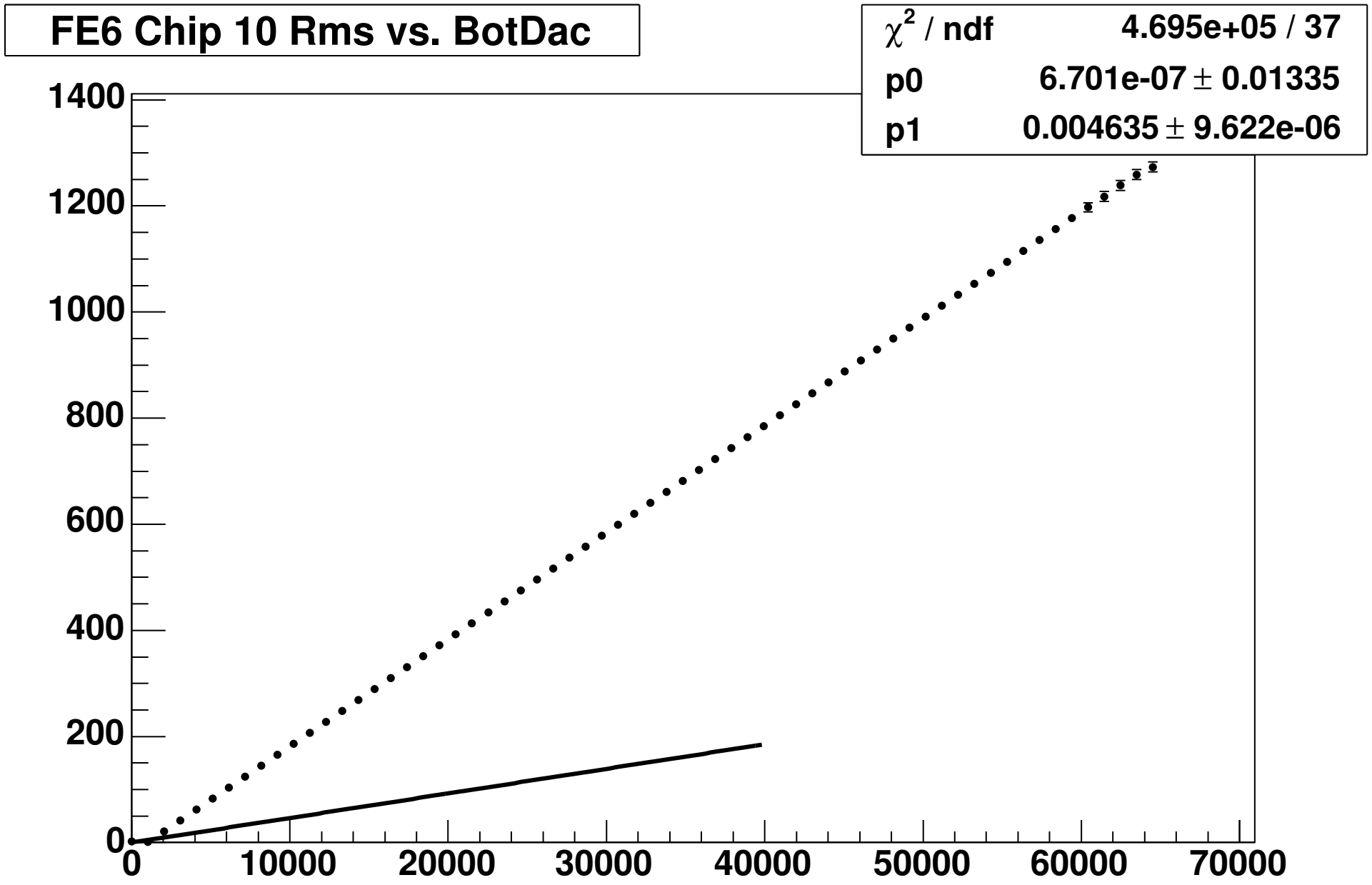
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 4.695e+05 / 37
p0 6.701e-07 ± 0.01335
p1 0.004635 ± 9.622e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
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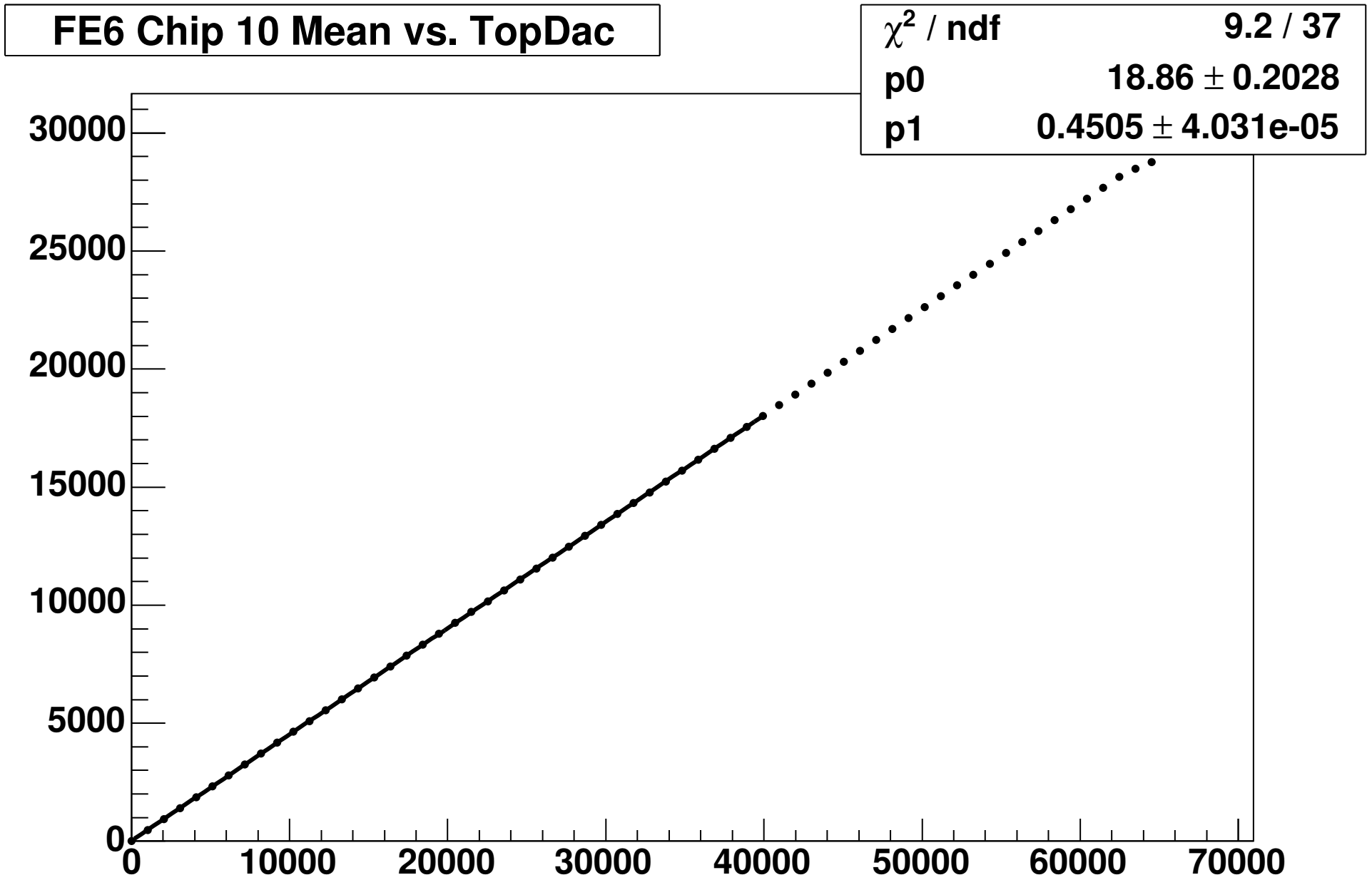
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 9.2 / 37
p0 18.86 ± 0.2028
p1 0.4505 ± 4.031e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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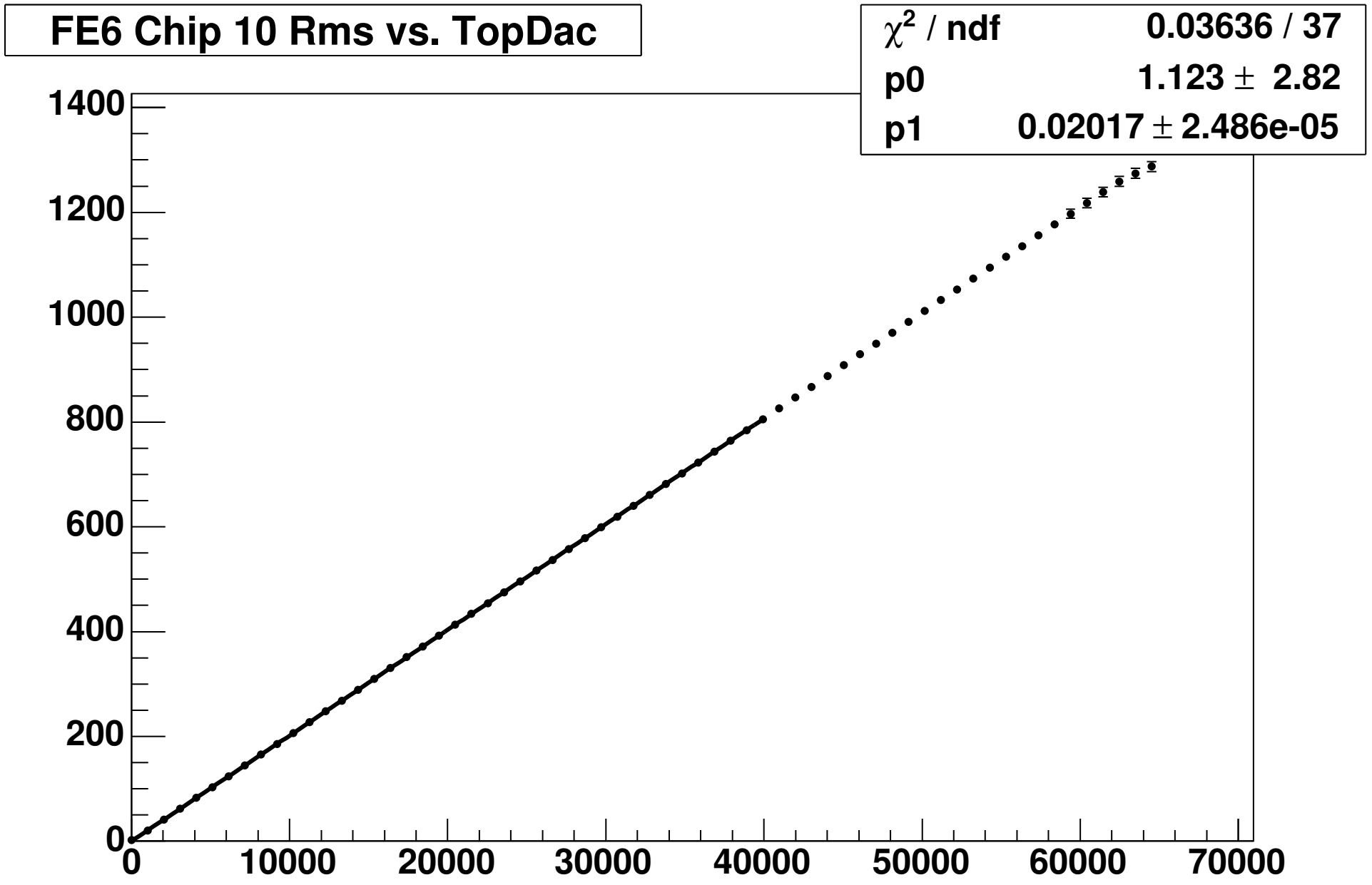
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 0.03636 / 37
p0 1.123 ± 2.82
p1 0.02017 ± 2.486e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
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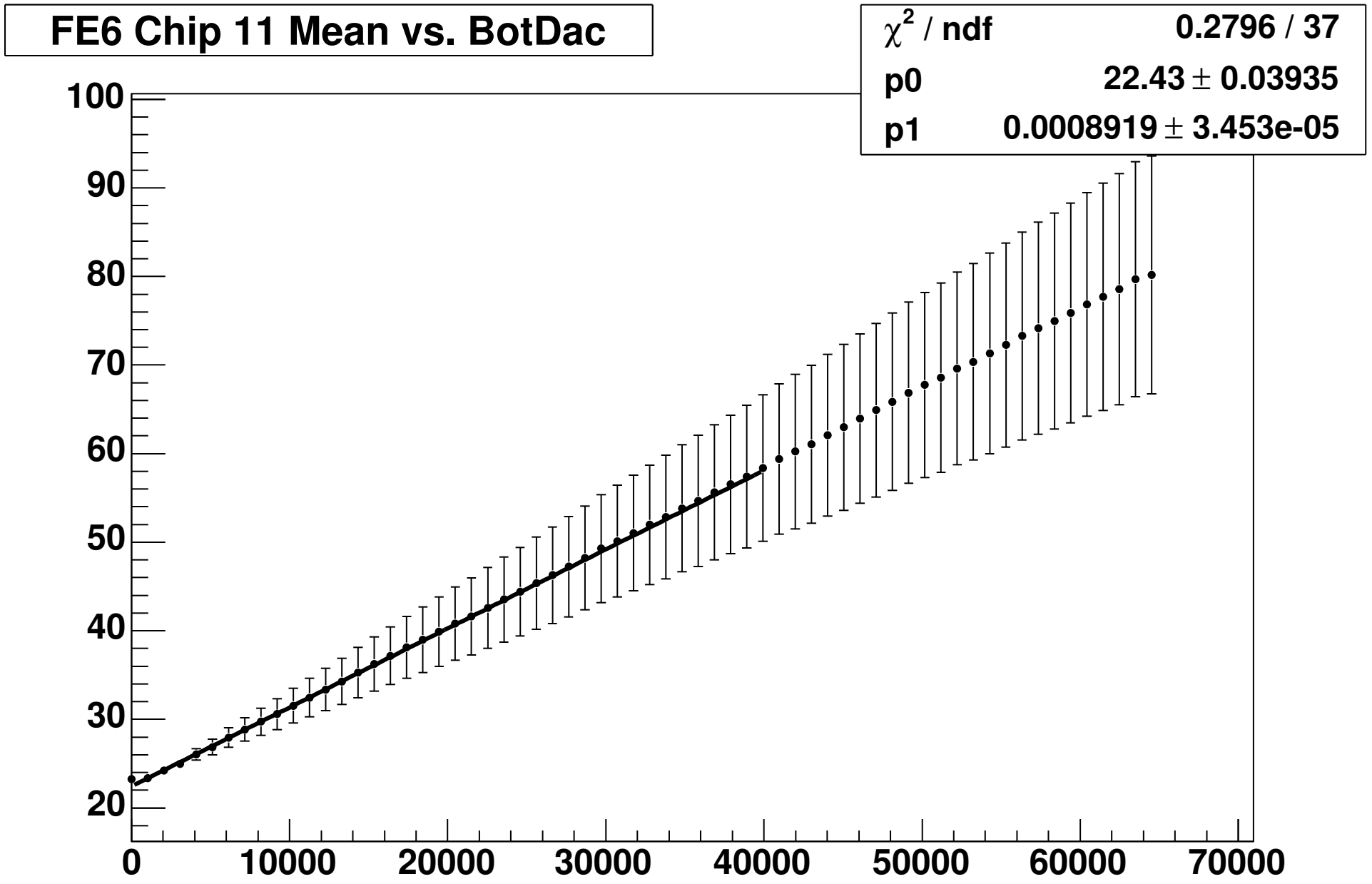
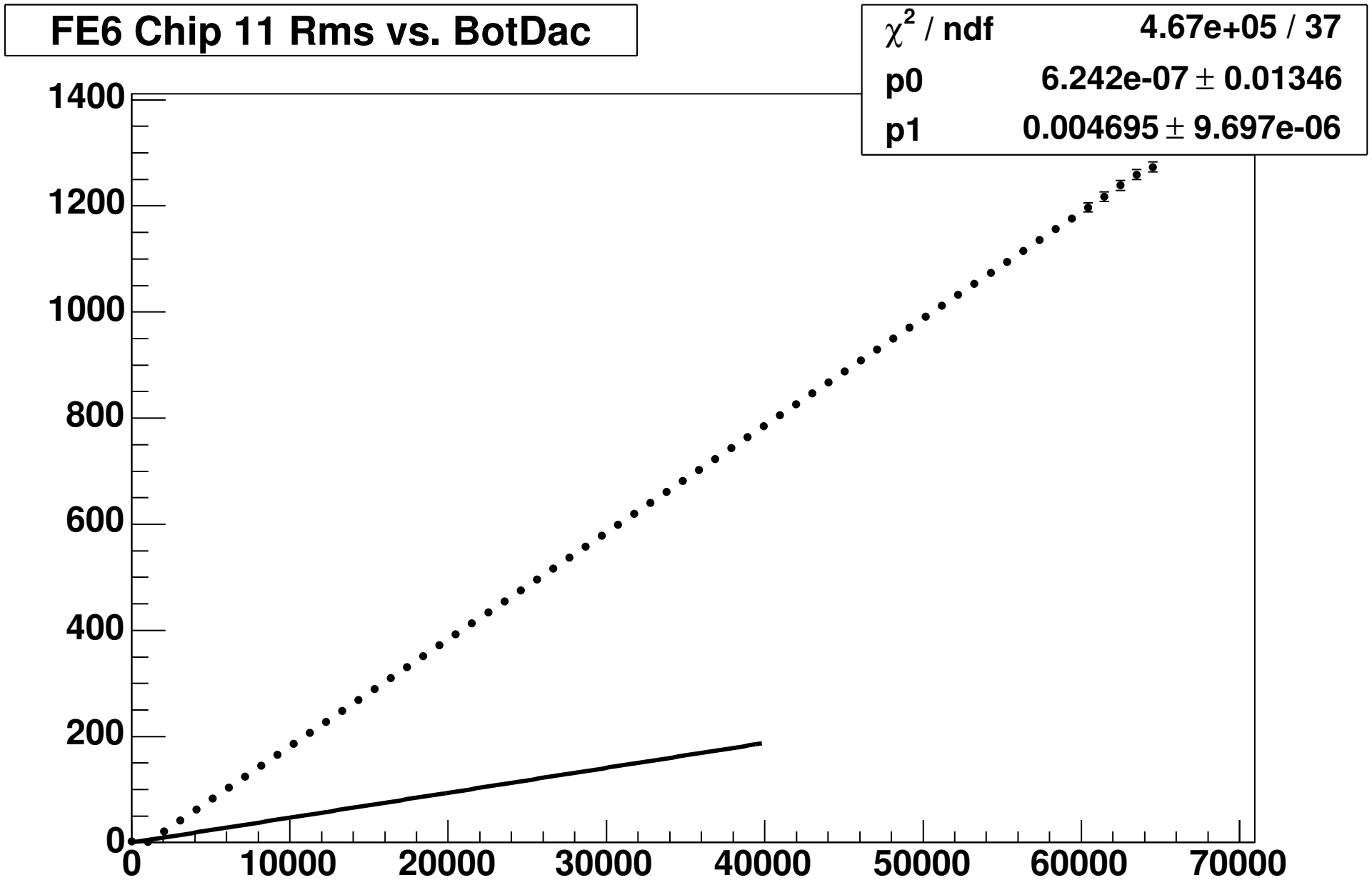

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 0.2796 / 37
p0 22.43 ± 0.03935
p1 0.0008919 ± 3.453e-05
100
90
80
70
60
50
40
30
20
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 4.67e+05 / 37
p0 6.242e-07 ± 0.01346
p1 0.004695 ± 9.697e-06
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1000
800
600
400
200
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10000
20000
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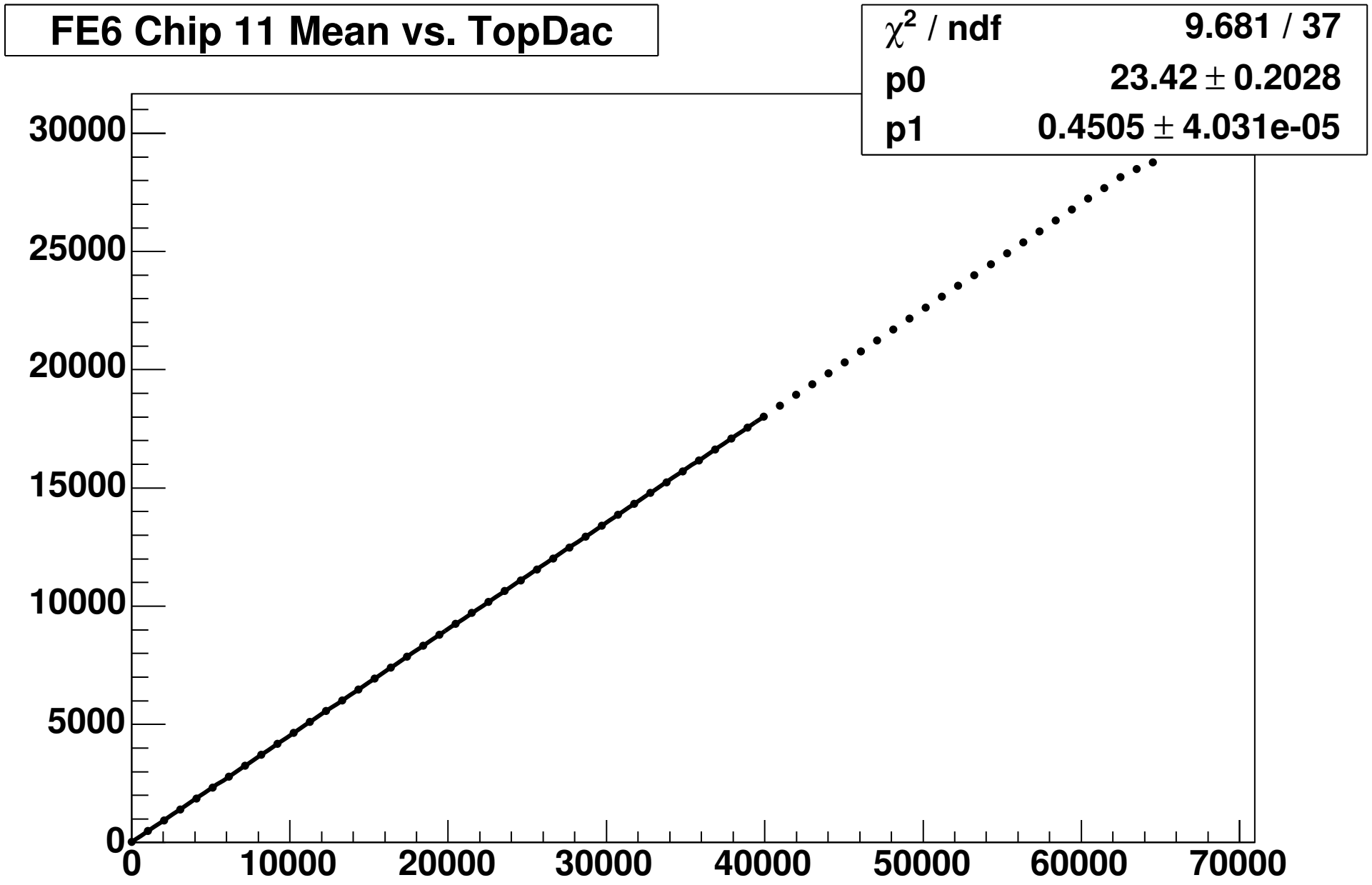
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 9.681 / 37
p0 23.42 ± 0.2028
p1 0.4505 ± 4.031e-05
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20000
15000
10000
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0
10000
20000
30000
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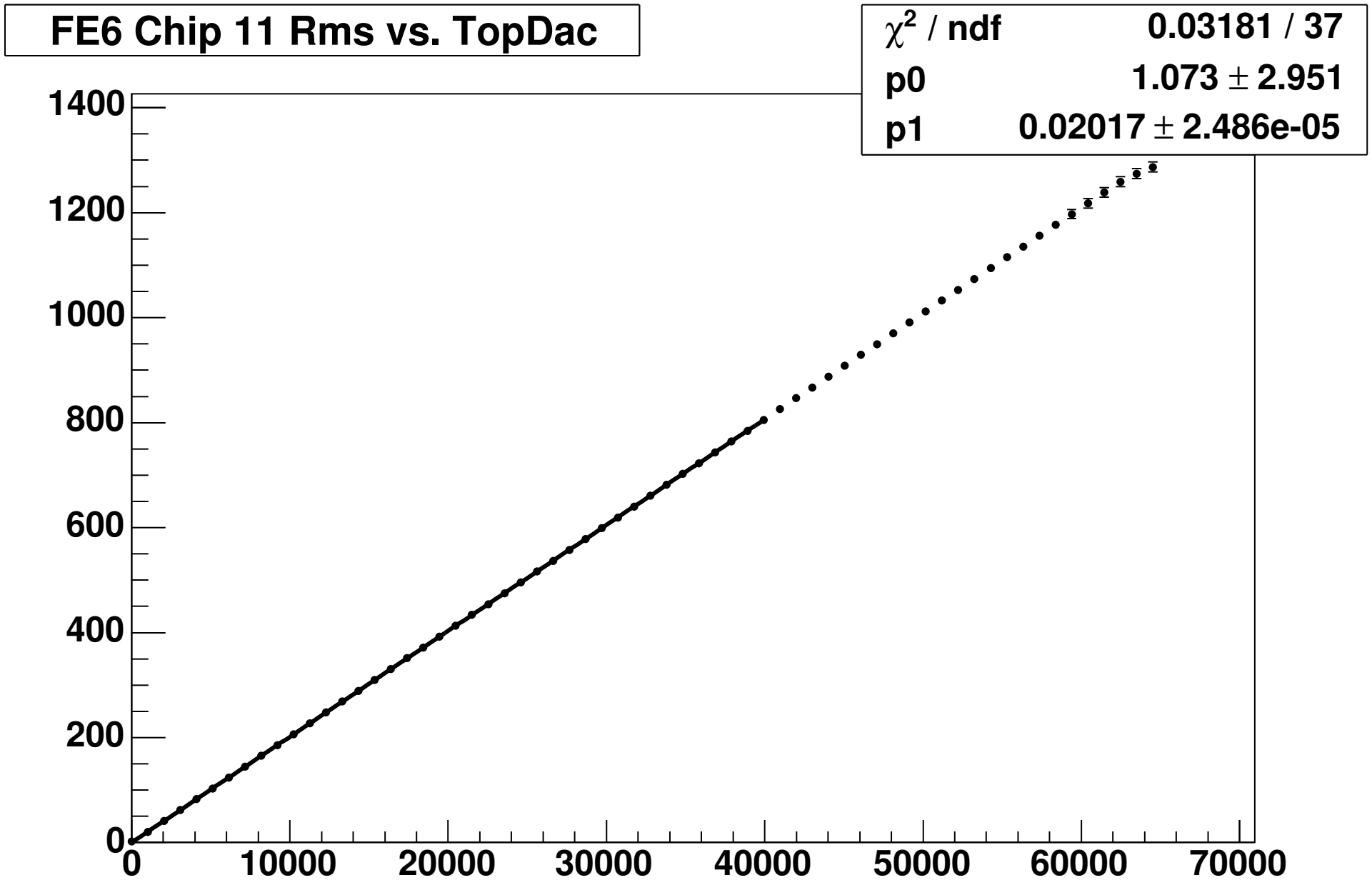
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 0.03181 / 37
p0 1.073 ± 2.951
p1 0.02017 ± 2.486e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
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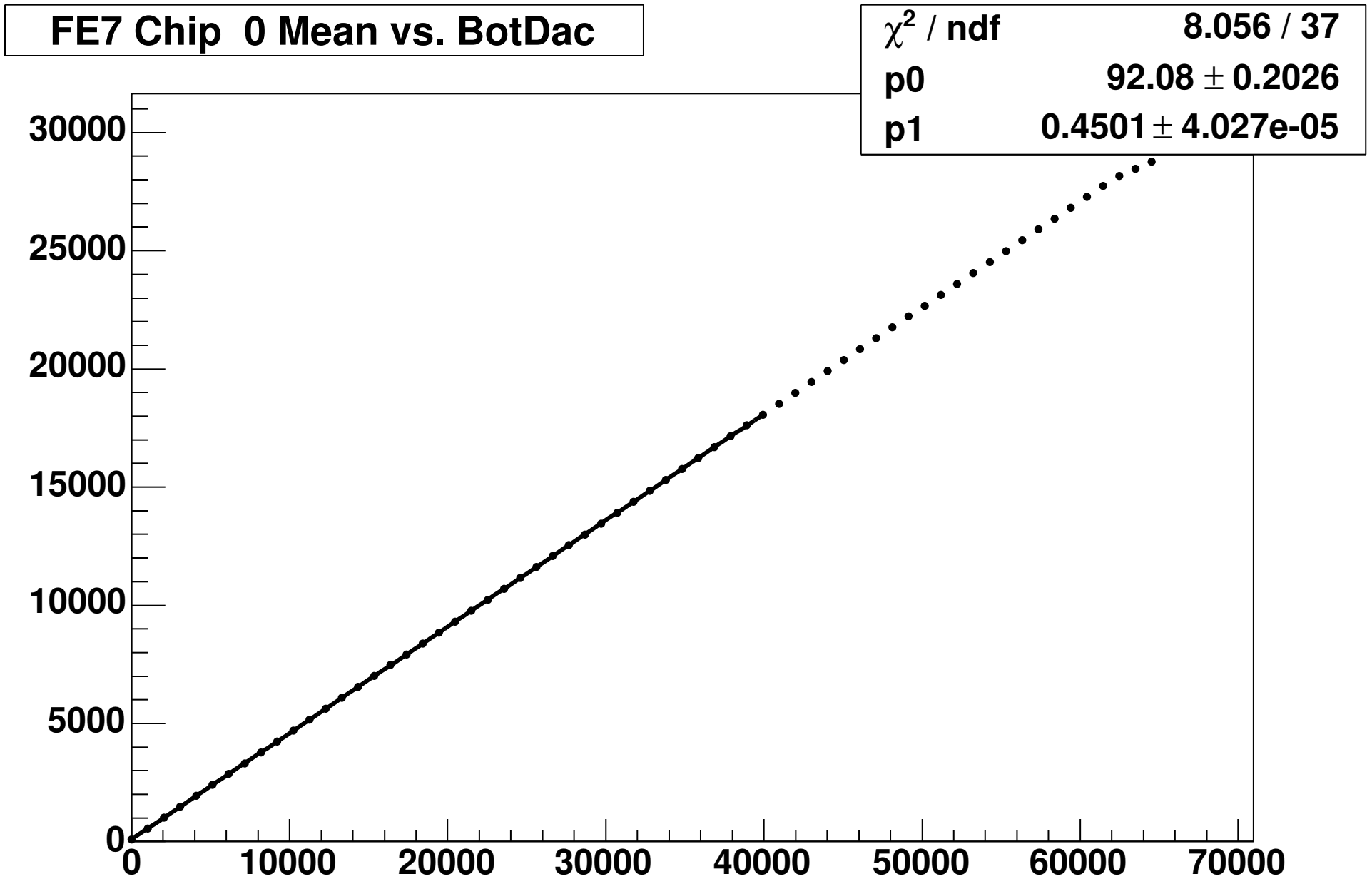
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 8.056 / 37
p0 92.08 ± 0.2026
p1 0.4501 ± 4.027e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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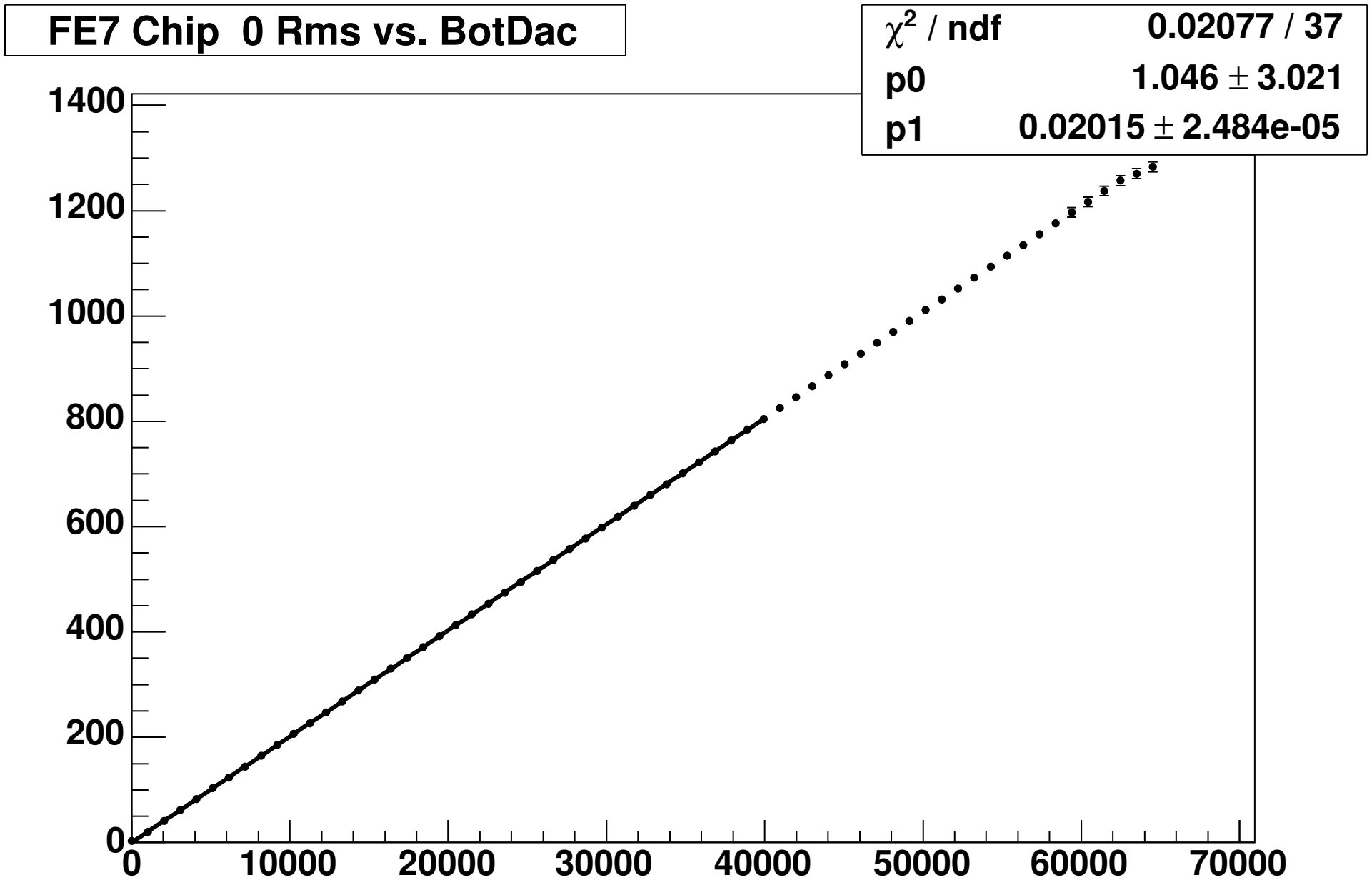
FE7 Chip 0 Rms vs. BotDac
χ² / ndf 0.02077 / 37
p0 1.046 ± 3.021
p1 0.02015 ± 2.484e-05
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1000
800
600
400
200
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20000
30000
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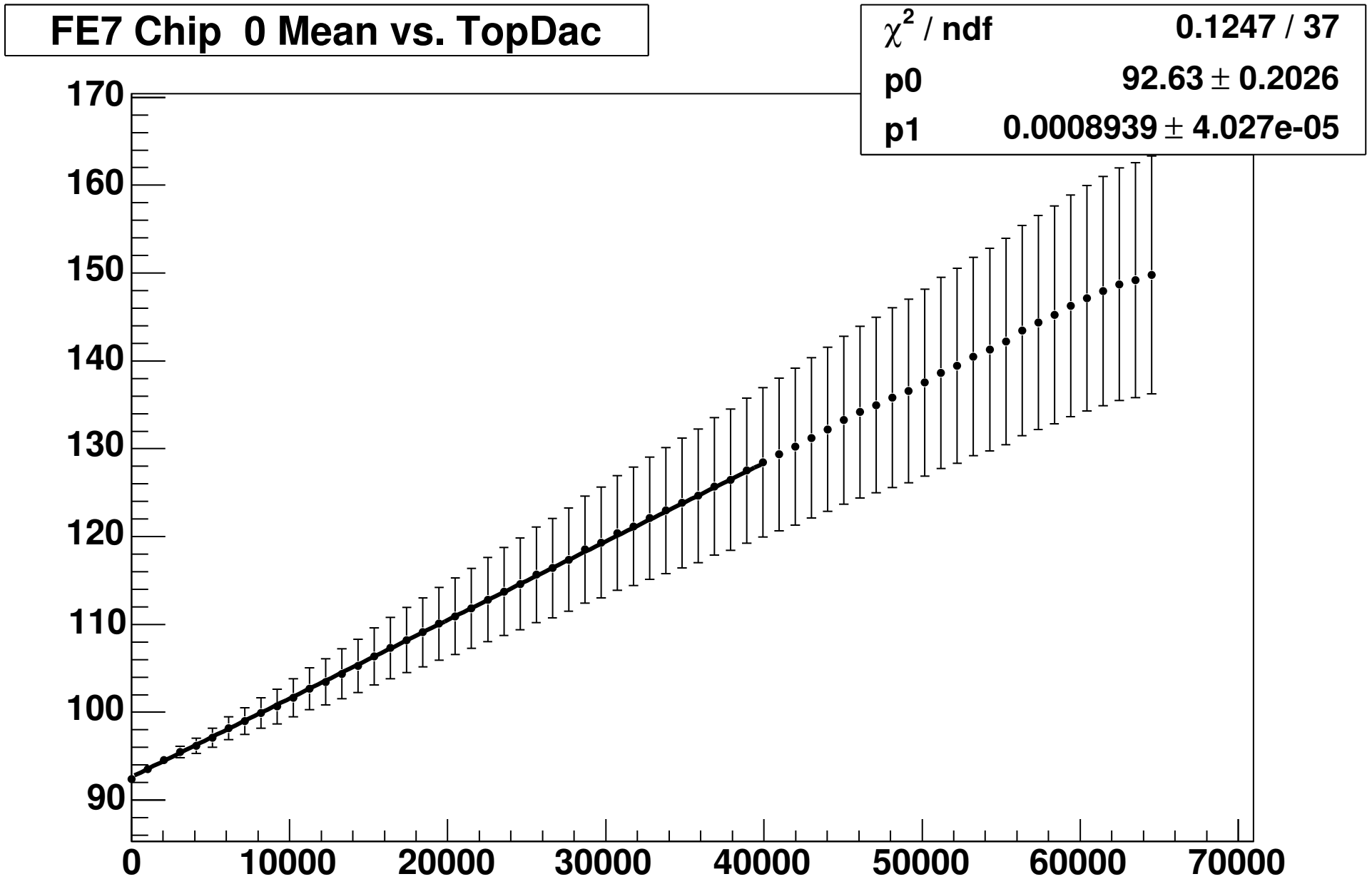
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 0.1247 / 37
p0 92.63 ± 0.2026
p1 0.0008939 ± 4.027e-05
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160
150
140
130
120
110
100
90
0
10000
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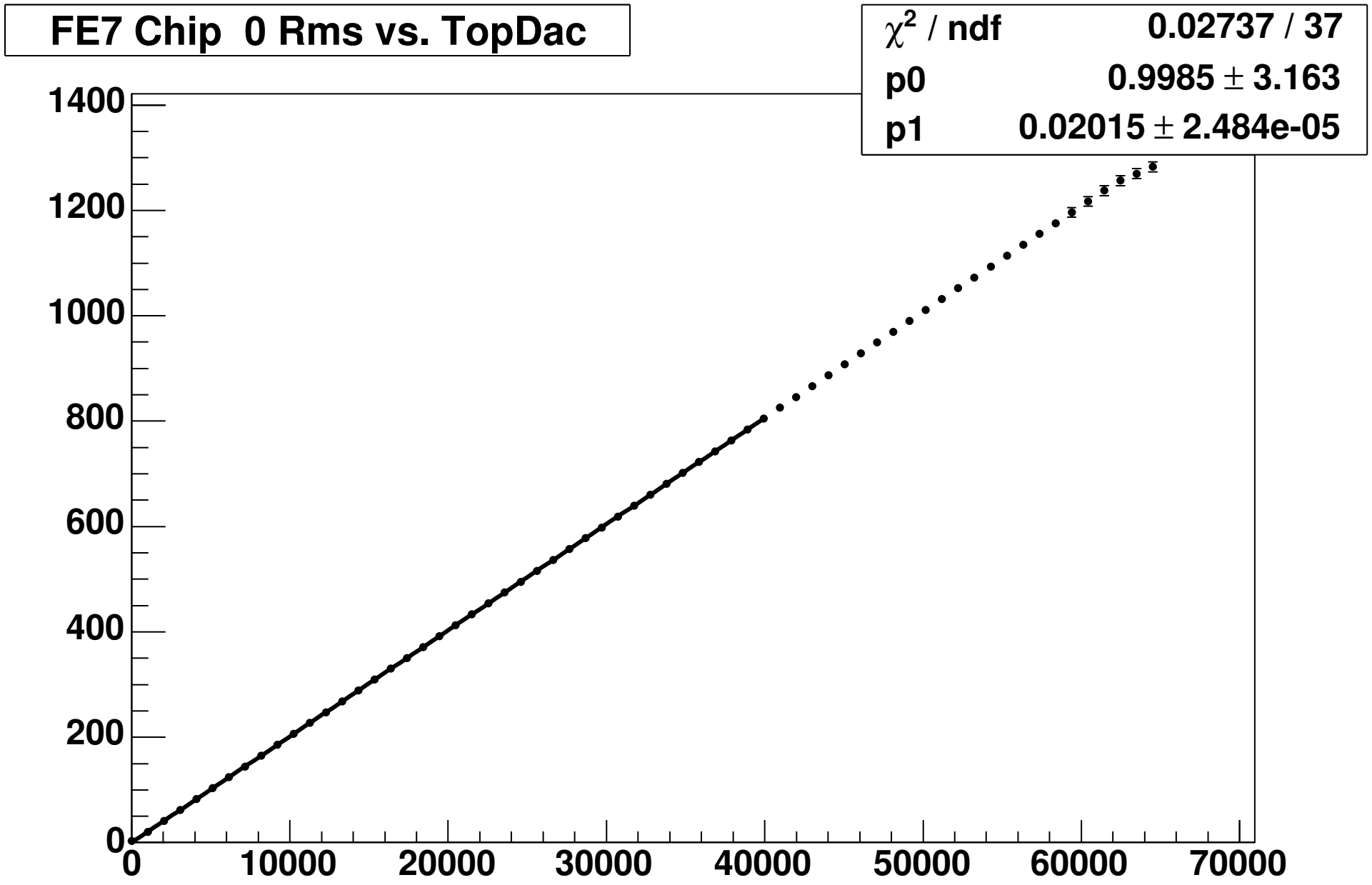
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 0.02737 / 37
p0 0.9985 ± 3.163
p1 0.02015 ± 2.484e-05
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1000
800
600
400
200
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30000
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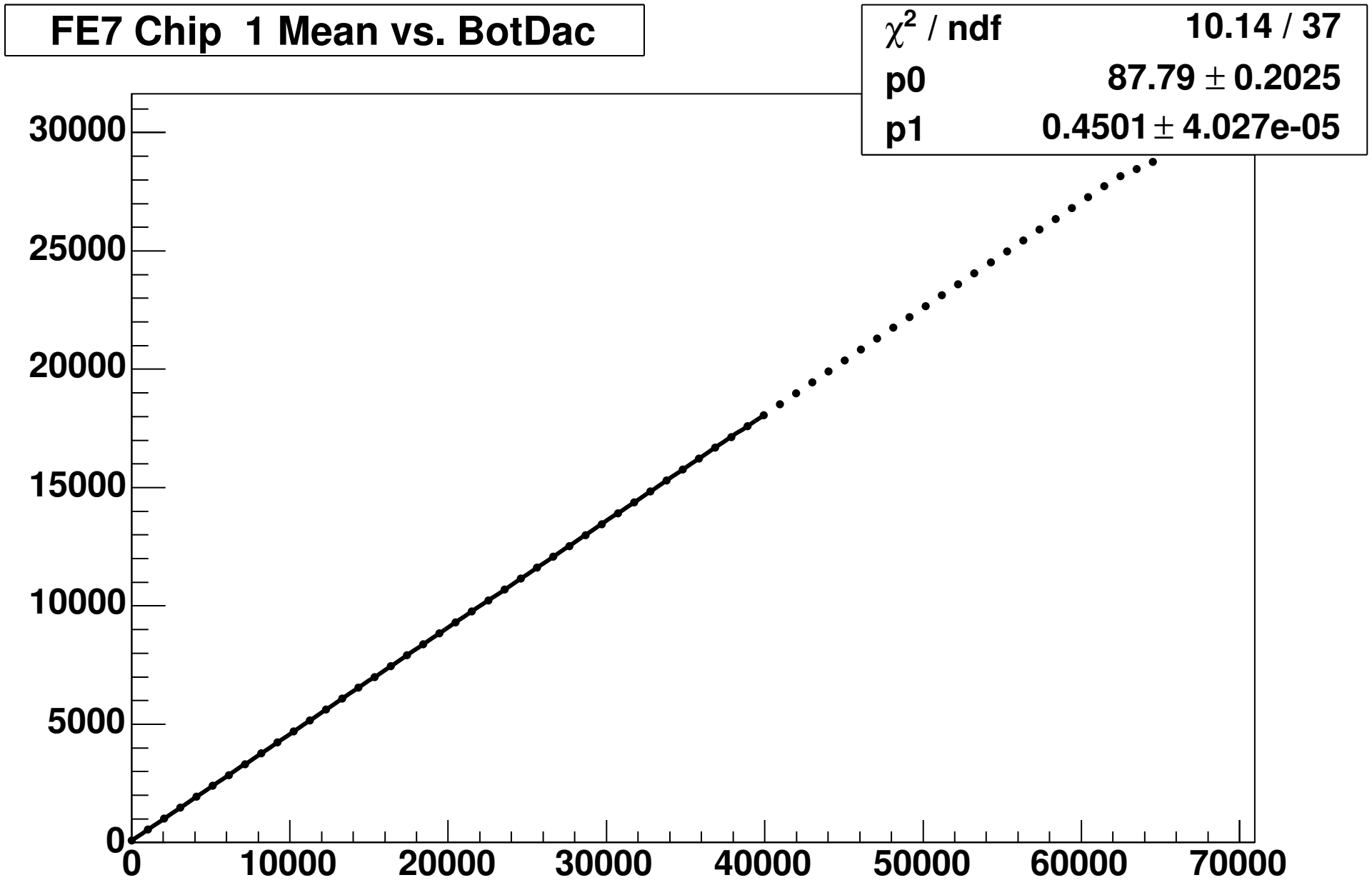
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 10.14 / 37
p0 87.79 ± 0.2025
p1 0.4501 ± 4.027e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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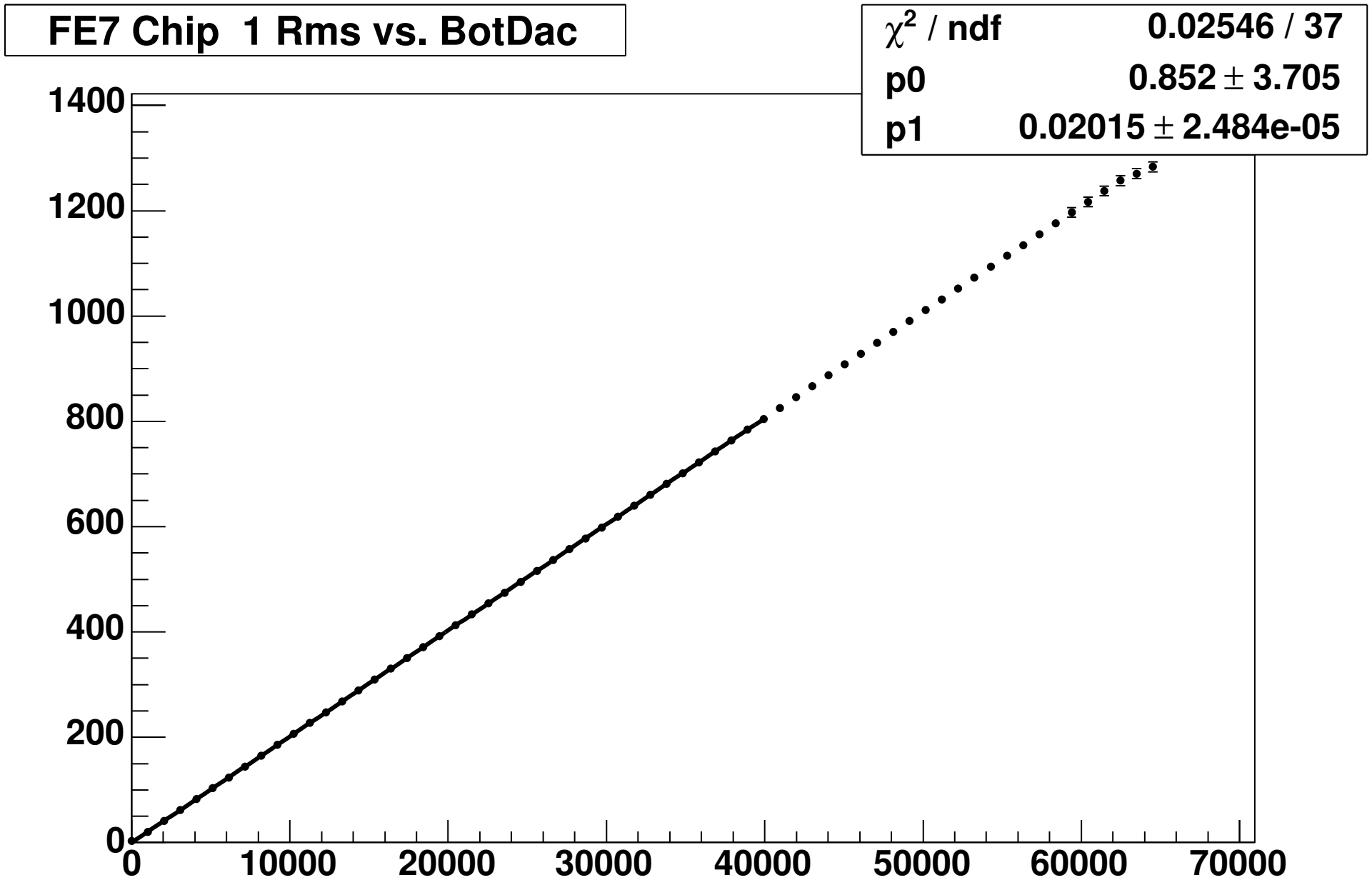
FE7 Chip 1 Rms vs. BotDac
χ² / ndf 0.02546 / 37
p0 0.852 ± 3.705
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
0
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10000
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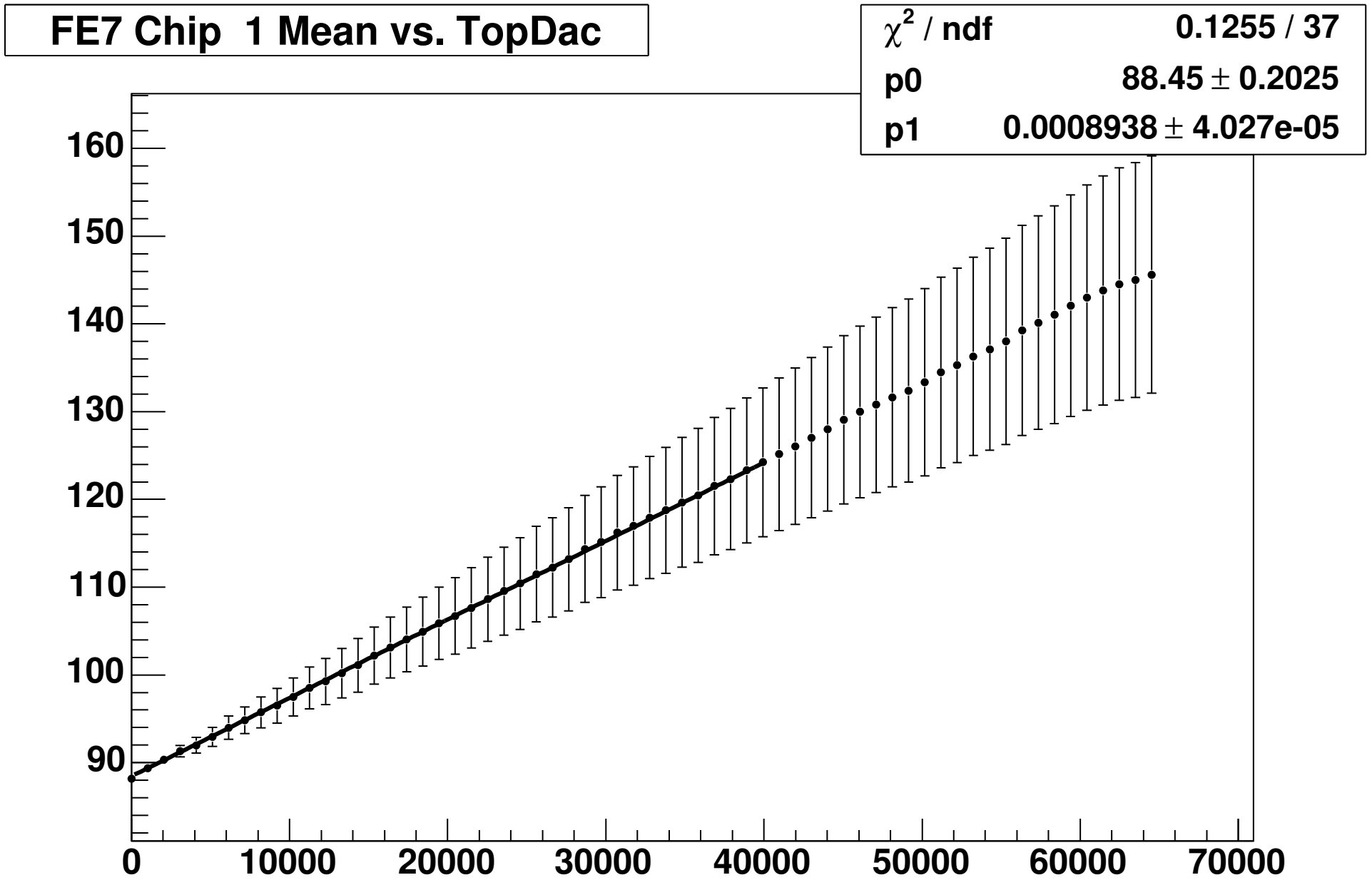
FE7 Chip 1 Mean vs. TopDac
χ² / ndf 0.1255 / 37
p0 88.45 ± 0.2025
p1 0.0008938 ± 4.027e-05
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150
140
130
120
110
100
90
0
10000
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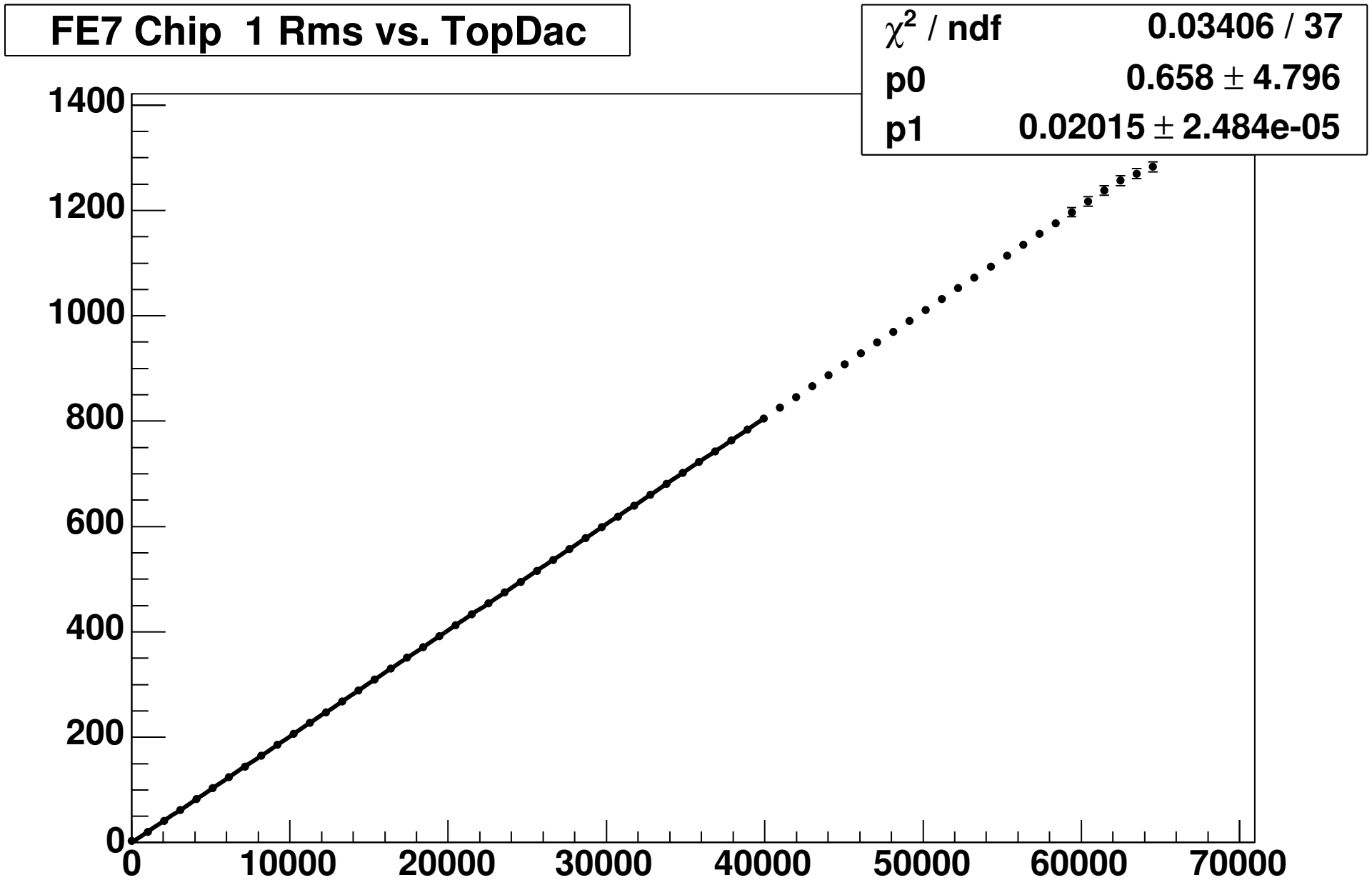
FE7 Chip 1 Rms vs. TopDac
χ² / ndf 0.03406 / 37
p0 0.658 ± 4.796
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
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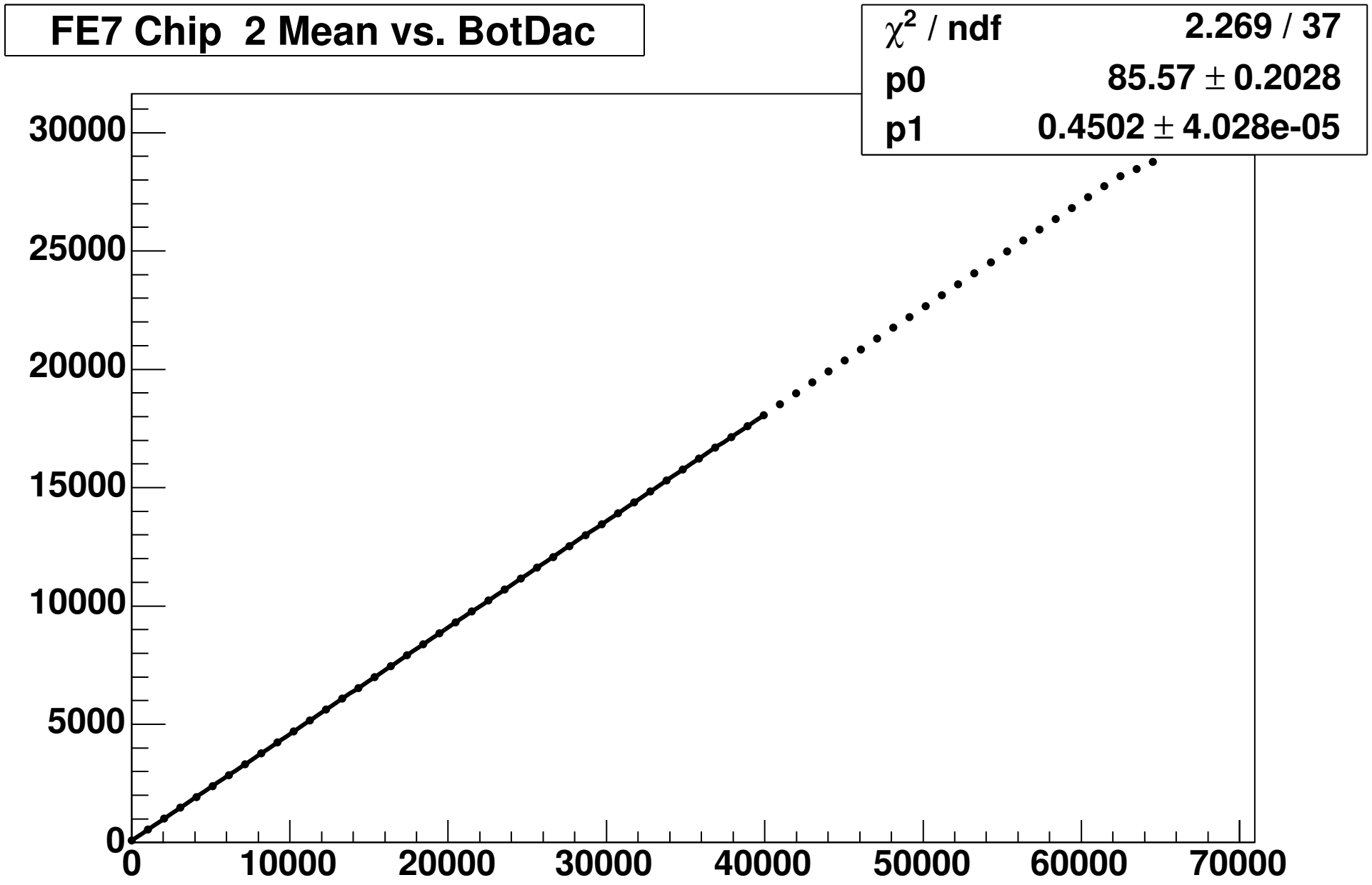
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 2.269 / 37
p0 85.57 ± 0.2028
p1 0.4502 ± 4.028e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
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60000
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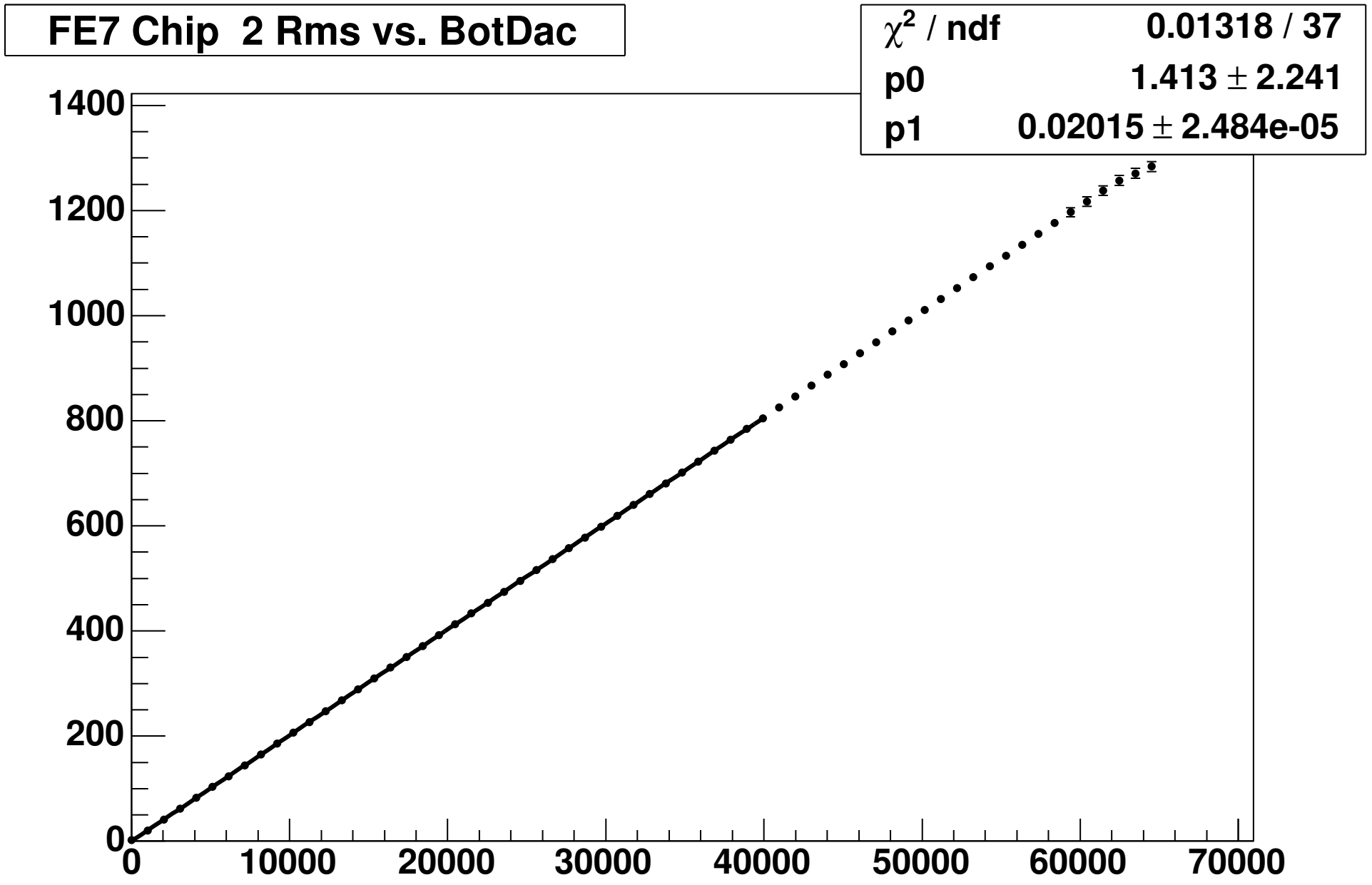
FE7 Chip 2 Rms vs. BotDac
χ² / ndf 0.01318 / 37
p0 1.413 ± 2.241
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
0
0
10000
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50000
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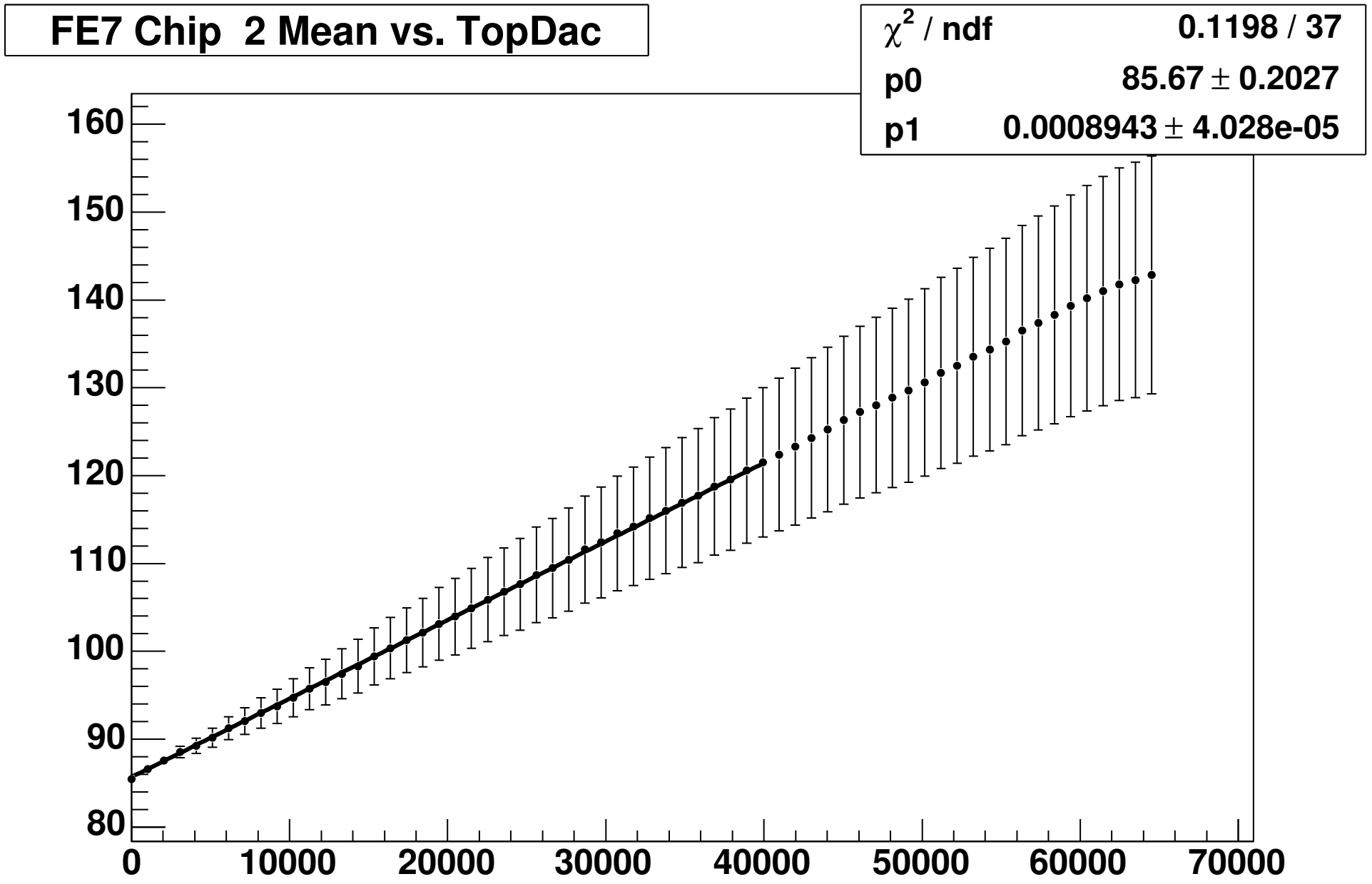
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 0.1198 / 37
p0 85.67 ± 0.2027
p1 0.0008943 ± 4.028e-05
160
150
140
130
120
110
100
90
80
0
10000
20000
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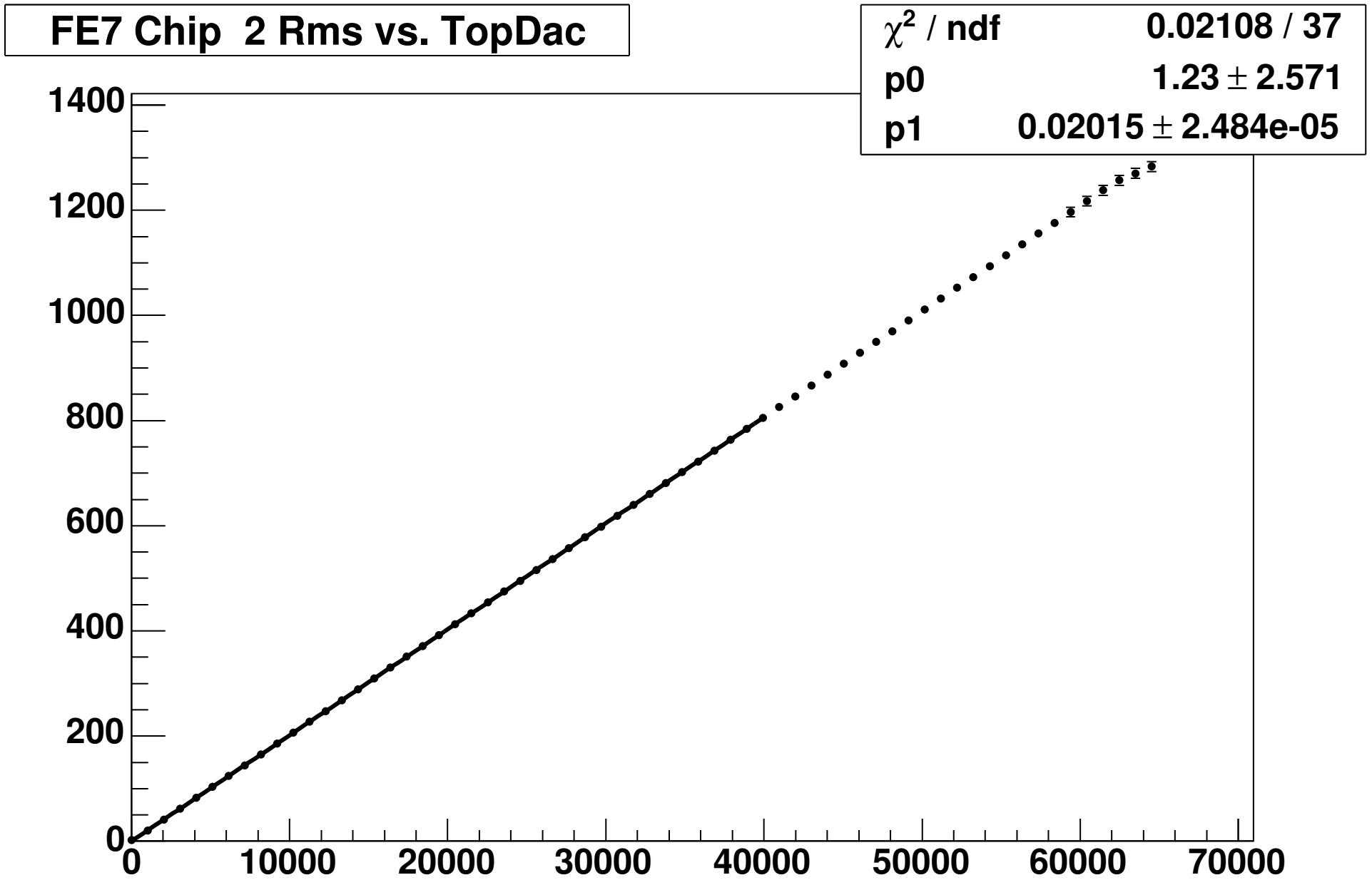
FE7 Chip 2 Rms vs. TopDac
χ² / ndf 0.02108 / 37
p0 1.23 ± 2.571
p1 0.02015 ± 2.484e-05
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1200
1000
800
600
400
200
0
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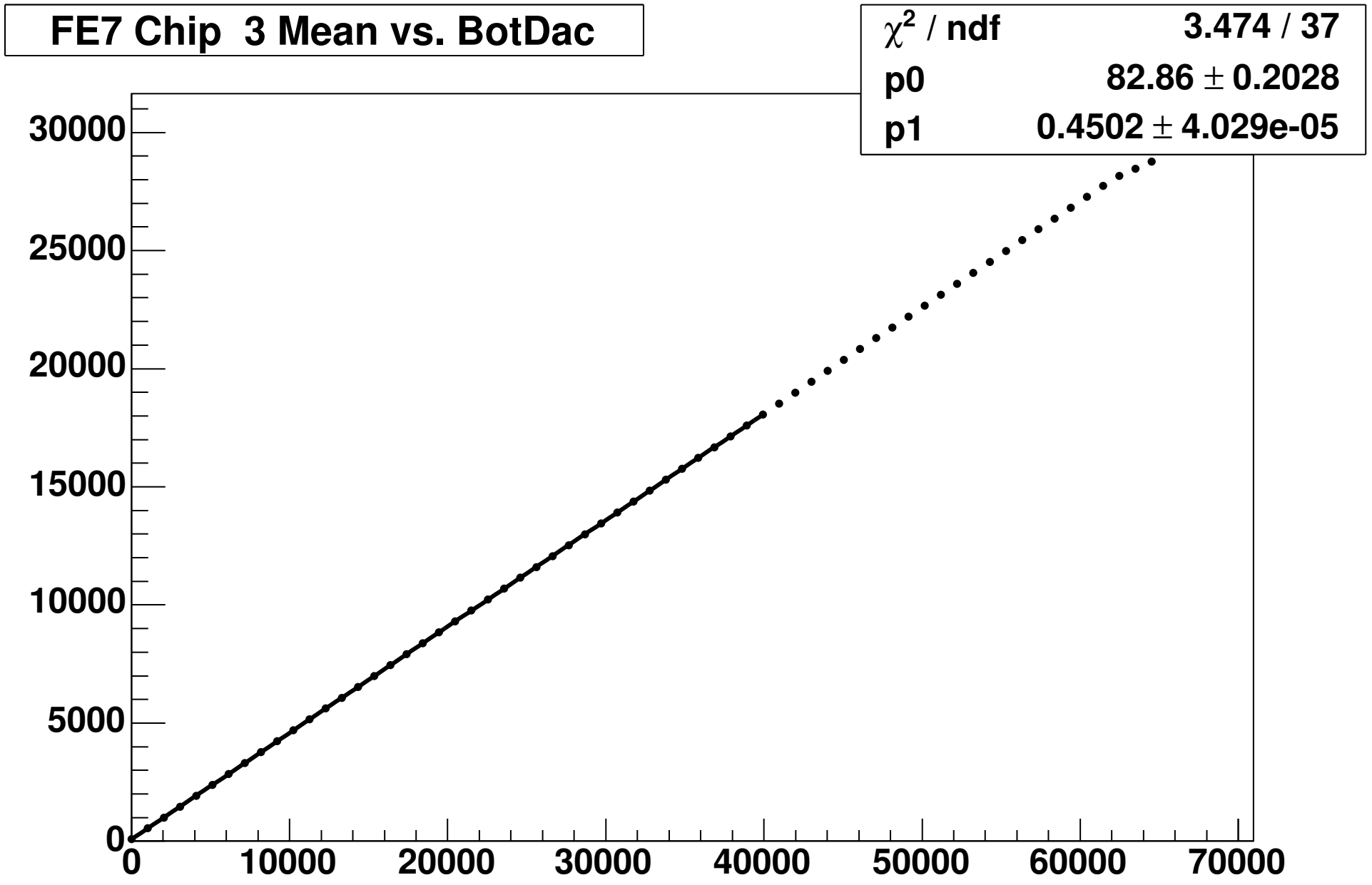
FE7 Chip 3 Mean vs. BotDac
χ² / ndf 3.474 / 37
p0 82.86 ± 0.2028
p1 0.4502 ± 4.029e-05
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25000
20000
15000
10000
5000
0
0
10000
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30000
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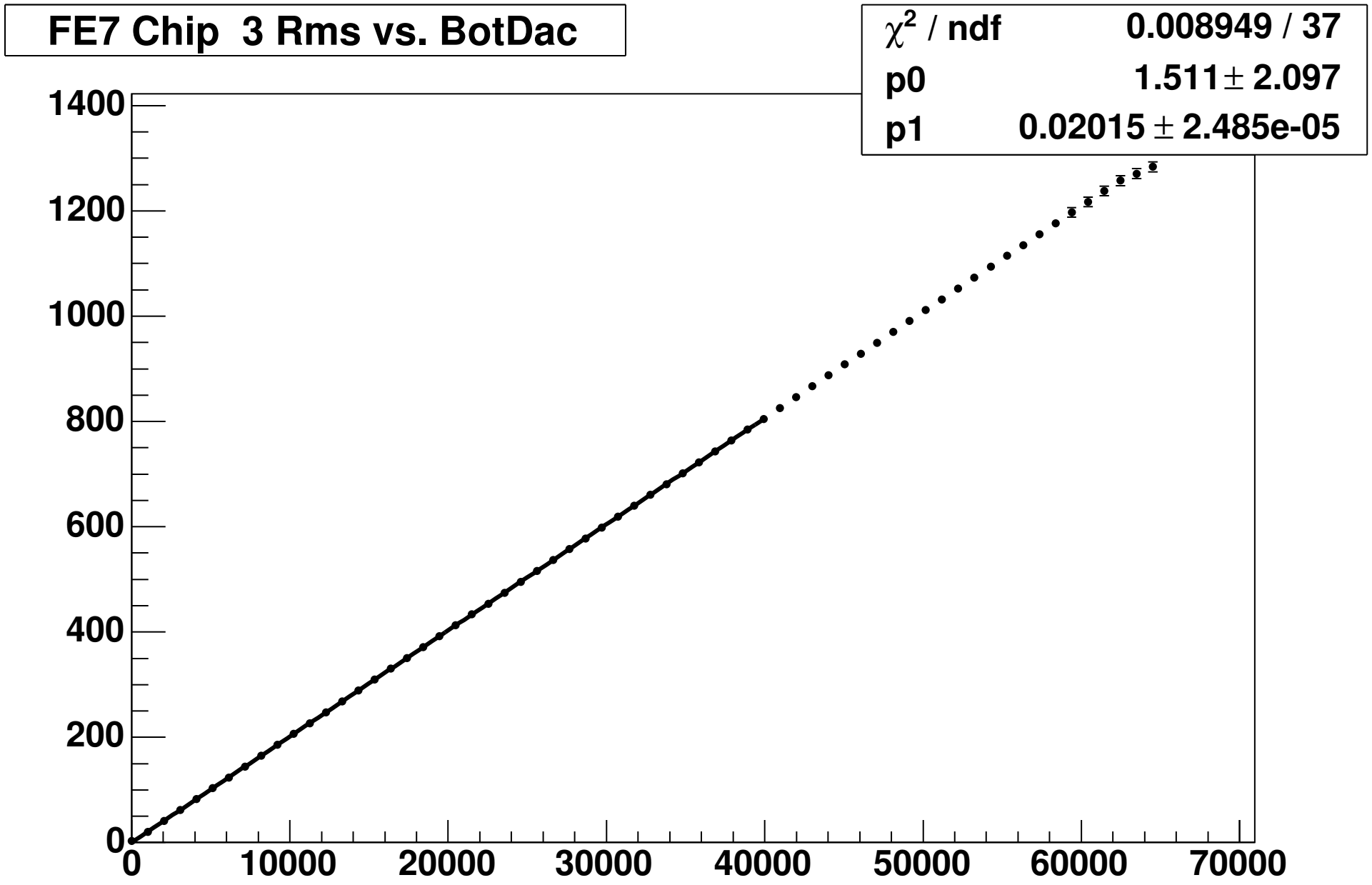
FE7 Chip 3 Rms vs. BotDac
χ² / ndf 0.008949 / 37
p0 1.511 ± 2.097
p1 0.02015 ± 2.485e-05
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1200
1000
800
600
400
200
0
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10000
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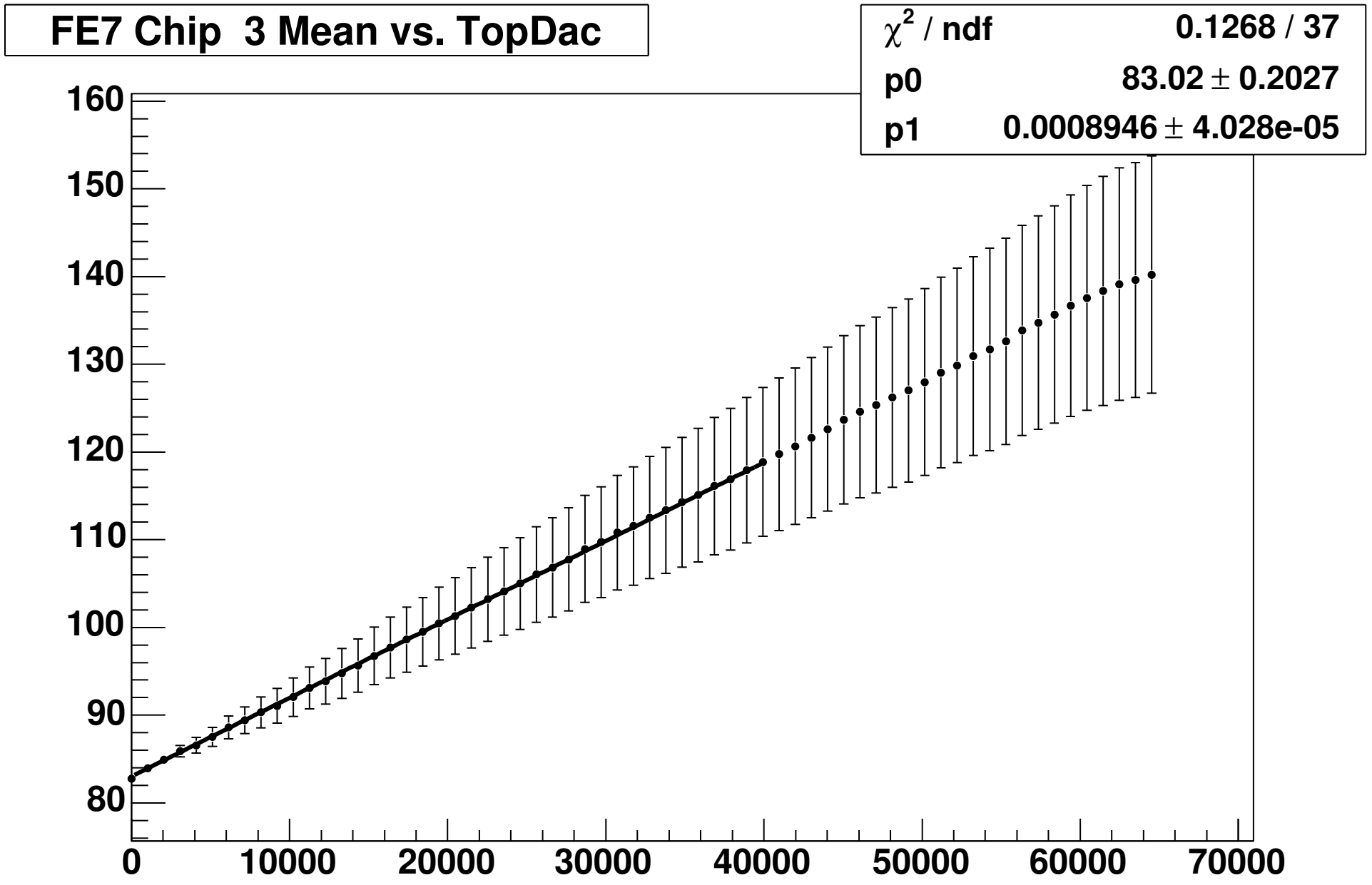
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 0.1268 / 37
p0 83.02 ± 0.2027
p1 0.0008946 ± 4.028e-05
160
150
140
130
120
110
100
90
80
0
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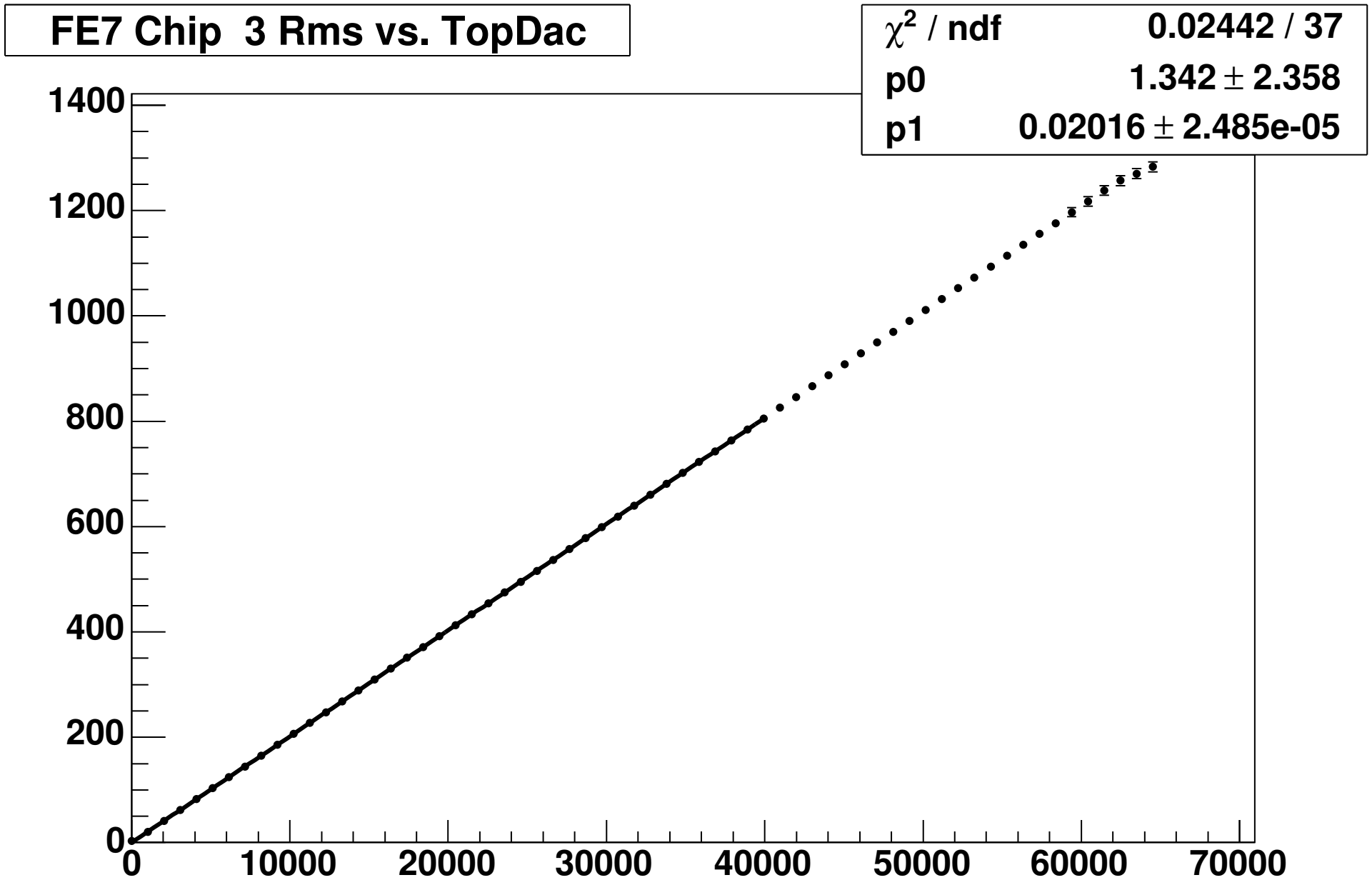
FE7 Chip 3 Rms vs. TopDac
χ² / ndf 0.02442 / 37
p0 1.342 ± 2.358
p1 0.02016 ± 2.485e-05
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1000
800
600
400
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0
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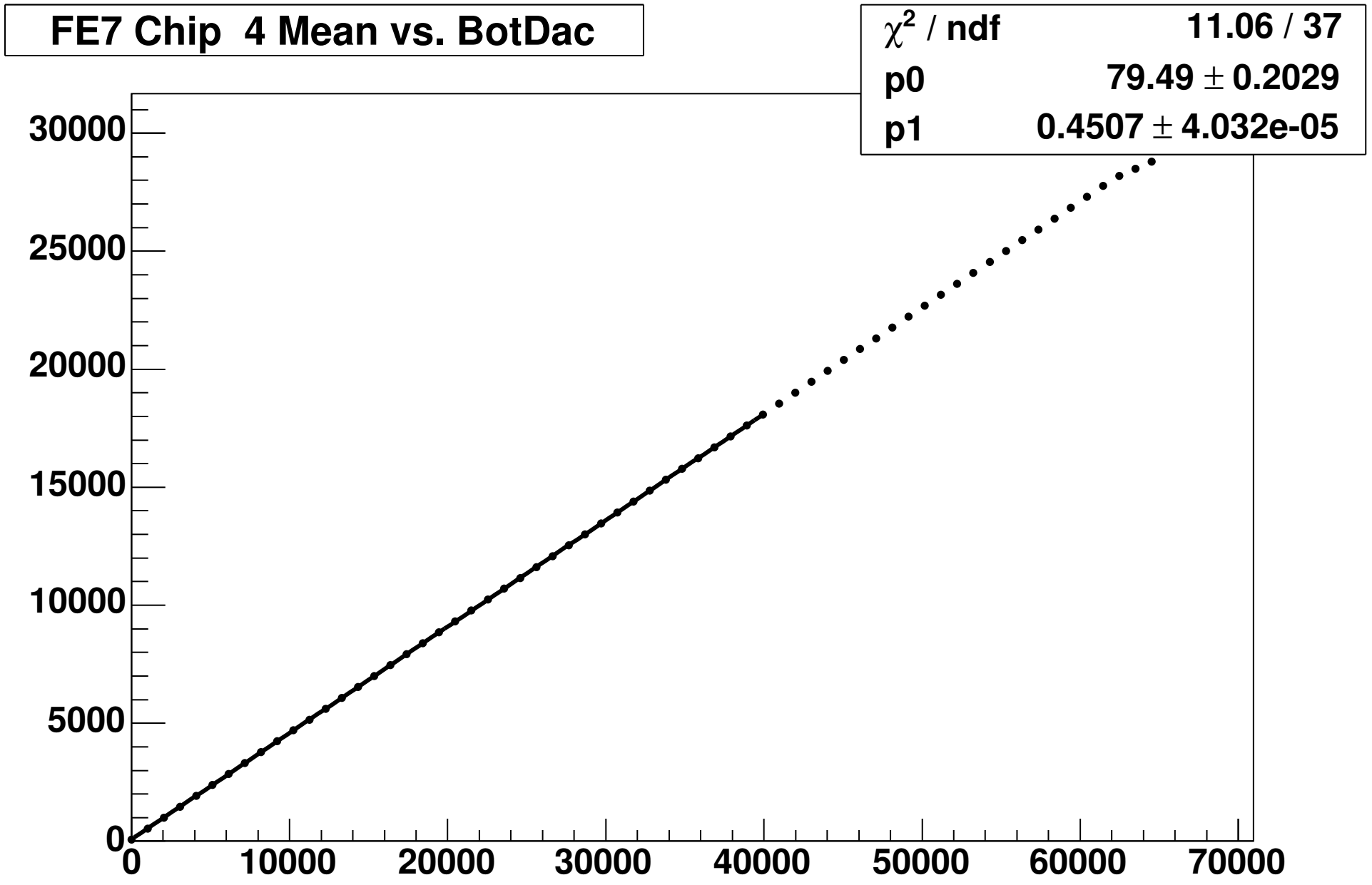
FE7 Chip 4 Mean vs. BotDac
χ² / ndf 11.06 / 37
p0 79.49 ± 0.2029
p1 0.4507 ± 4.032e-05
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25000
20000
15000
10000
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0
0
10000
20000
30000
40000
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60000
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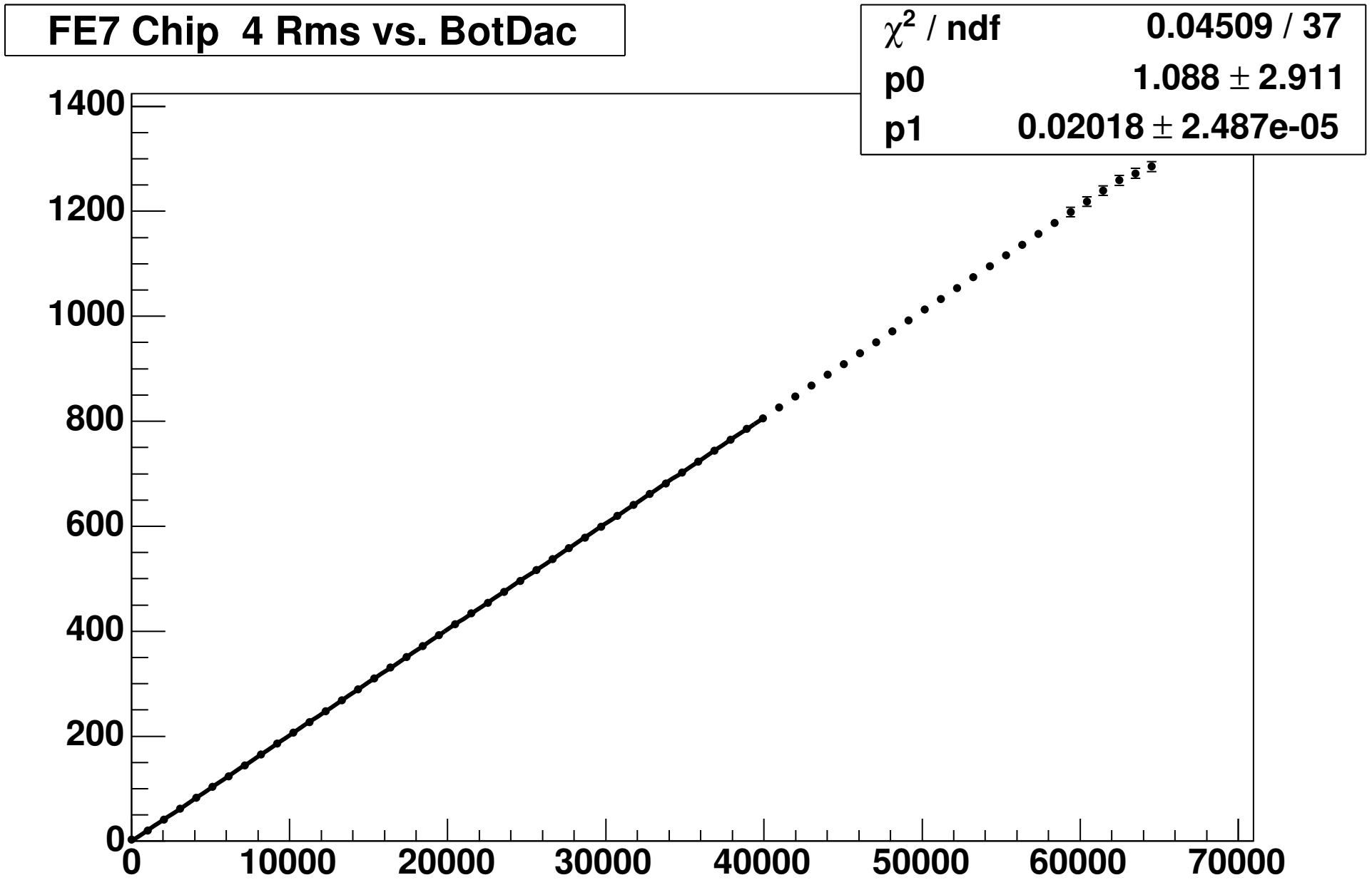
FE7 Chip 4 Rms vs. BotDac
χ² / ndf 0.04509 / 37
p0 1.088 ± 2.911
p1 0.02018 ± 2.487e-05
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1200
1000
800
600
400
200
0
0
10000
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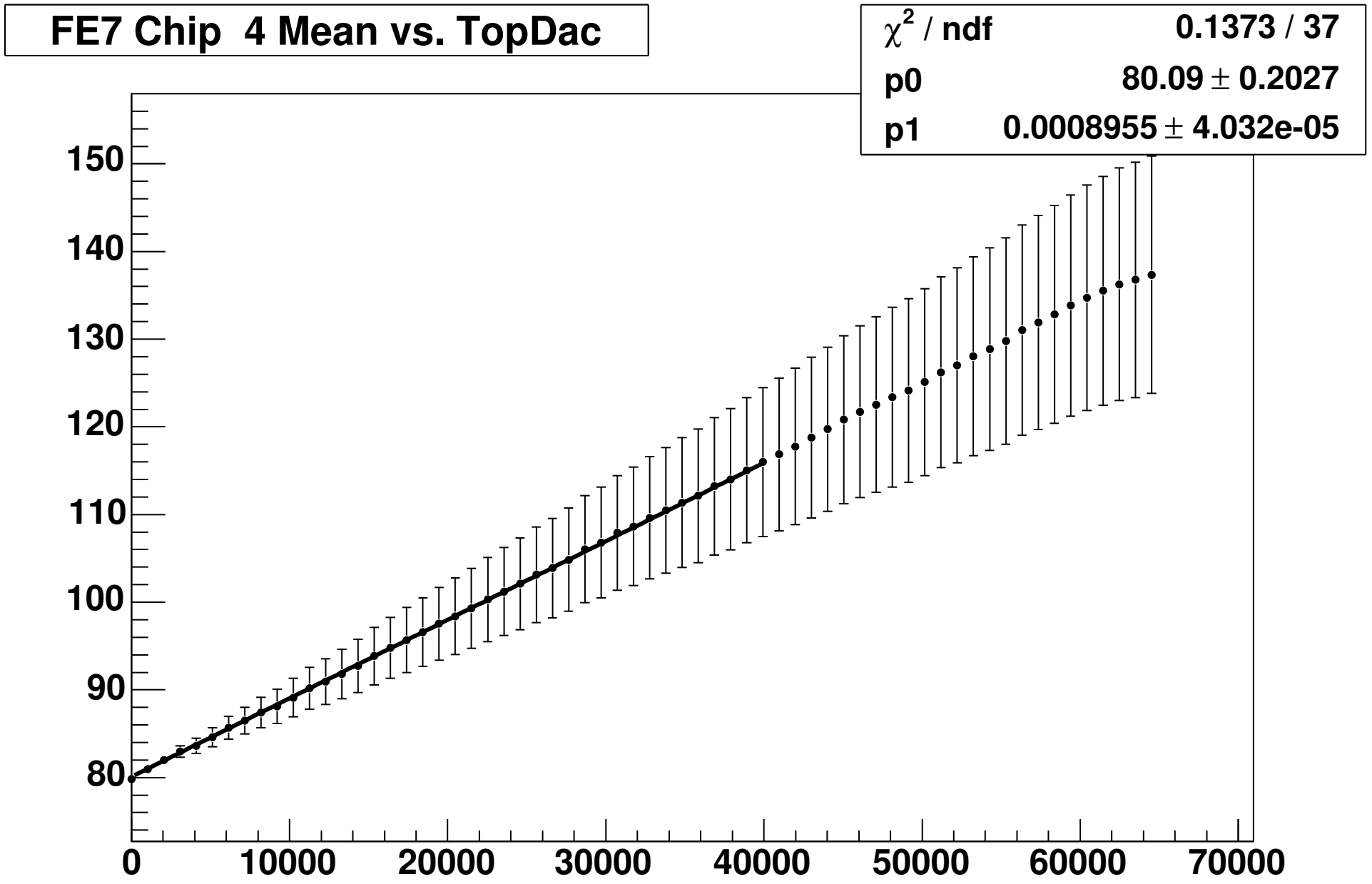
FE7 Chip 4 Mean vs. TopDac
χ² / ndf 0.1373 / 37
p0 80.09 ± 0.2027
p1 0.0008955 ± 4.032e-05
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140
130
120
110
100
90
80
0
10000
20000
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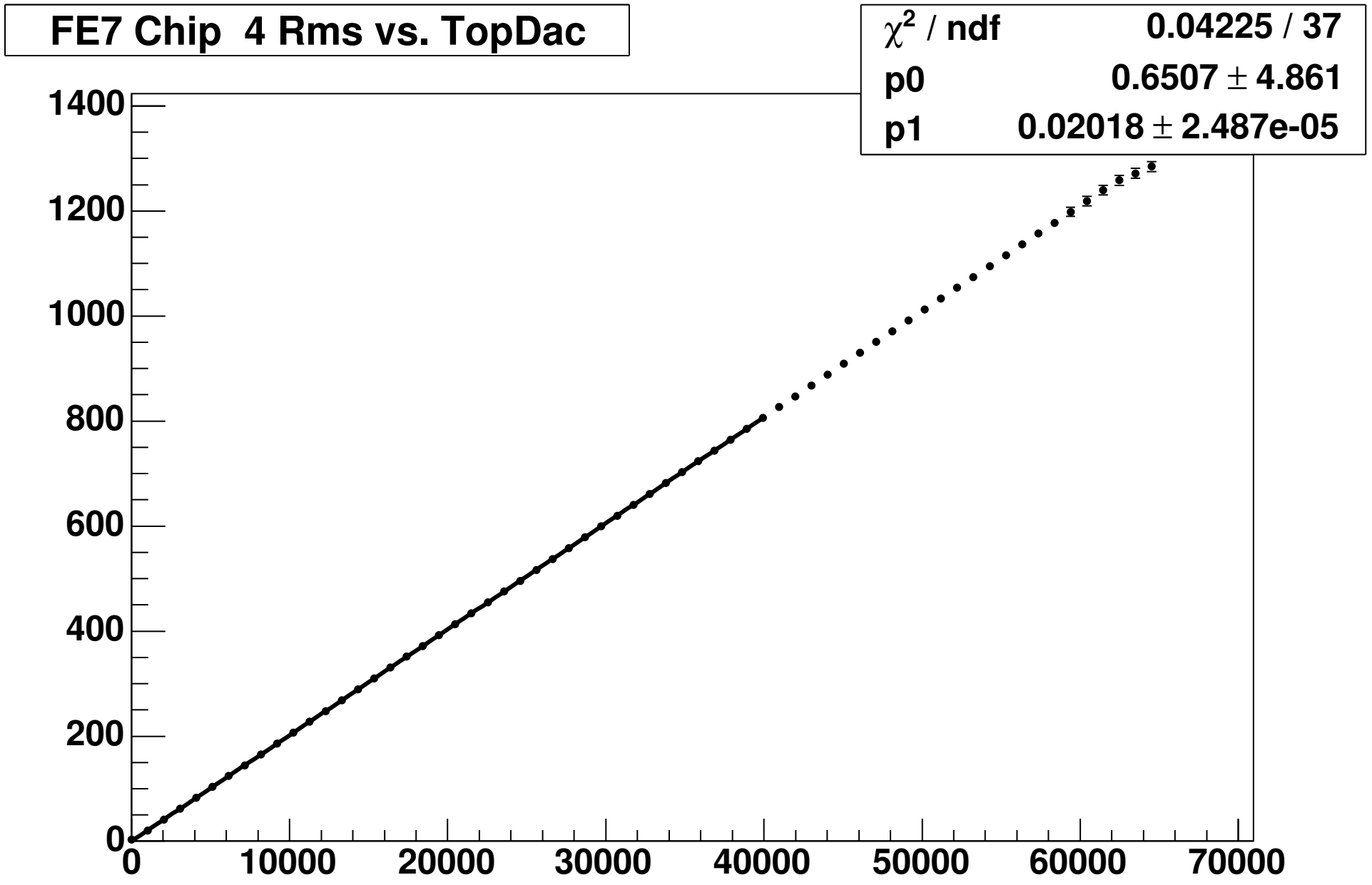
FE7 Chip 4 Rms vs. TopDac
χ² / ndf 0.04225 / 37
p0 0.6507 ± 4.861
p1 0.02018 ± 2.487e-05
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1200
1000
800
600
400
200
0
0
10000
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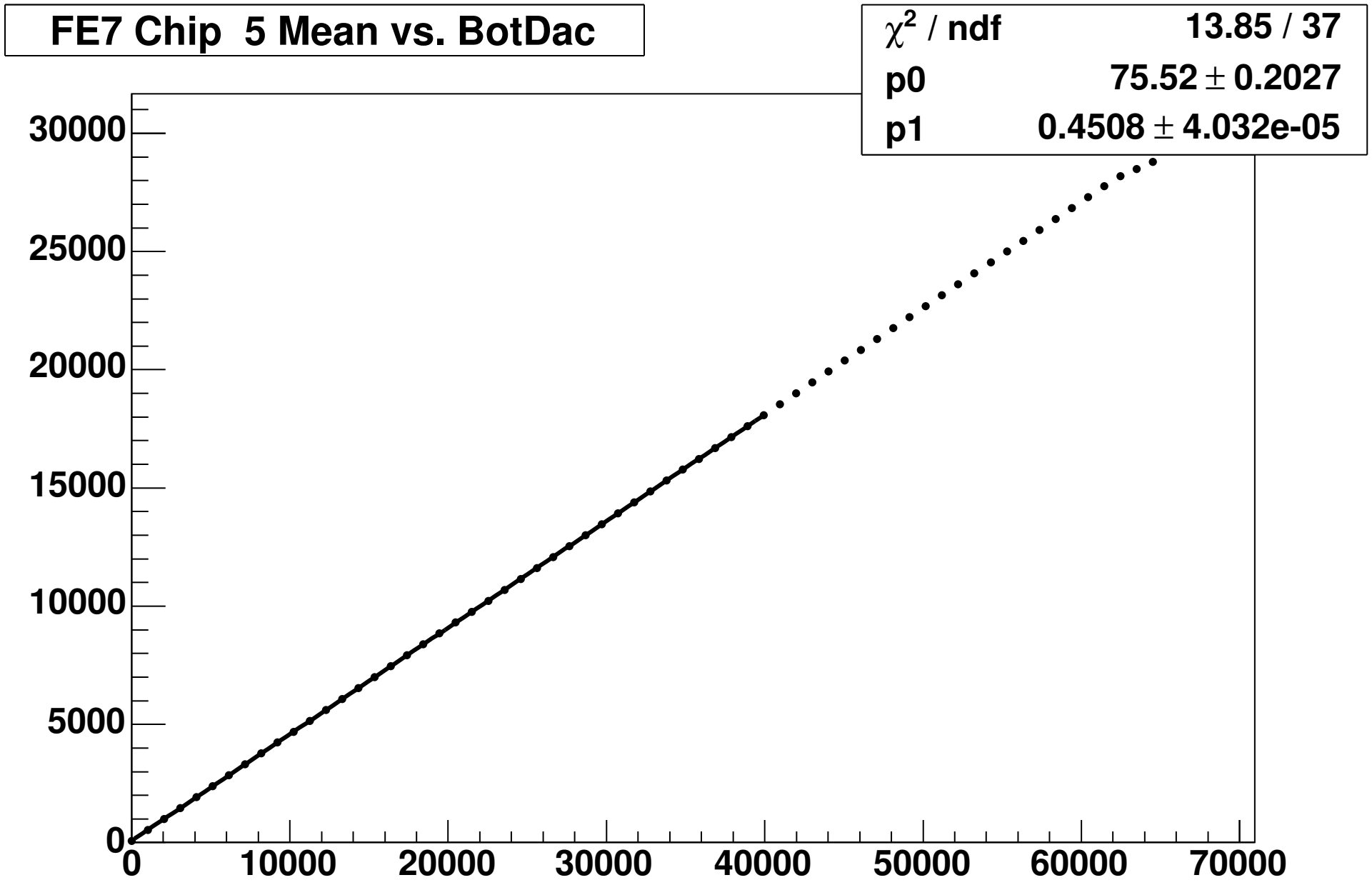
FE7 Chip 5 Mean vs. BotDac
χ² / ndf 13.85 / 37
p0 75.52 ± 0.2027
p1 0.4508 ± 4.032e-05
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25000
20000
15000
10000
5000
0
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10000
20000
30000
40000
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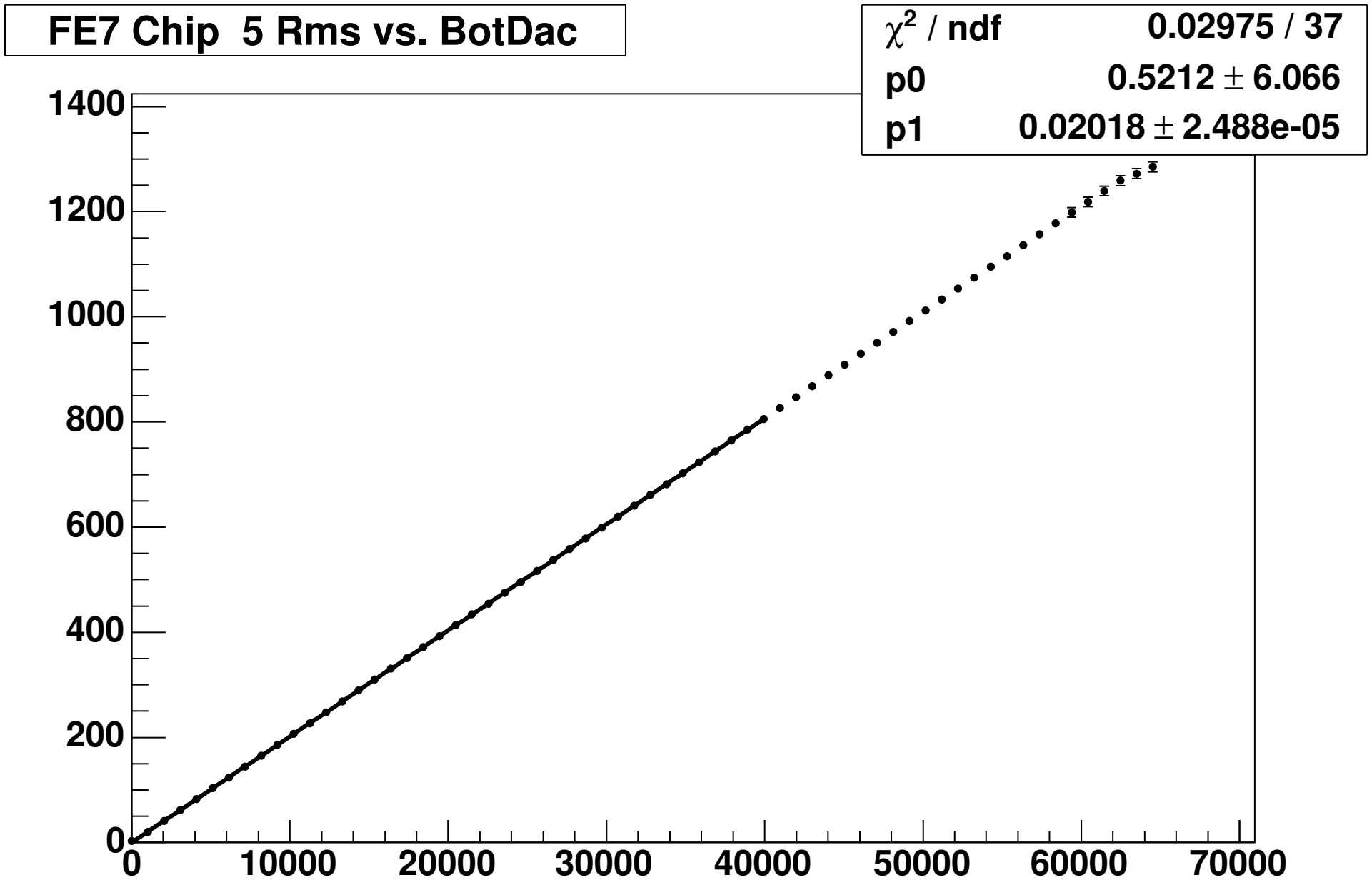
FE7 Chip 5 Rms vs. BotDac
χ² / ndf 0.02975 / 37
p0 0.5212 ± 6.066
p1 0.02018 ± 2.488e-05
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1200
1000
800
600
400
200
0
0
10000
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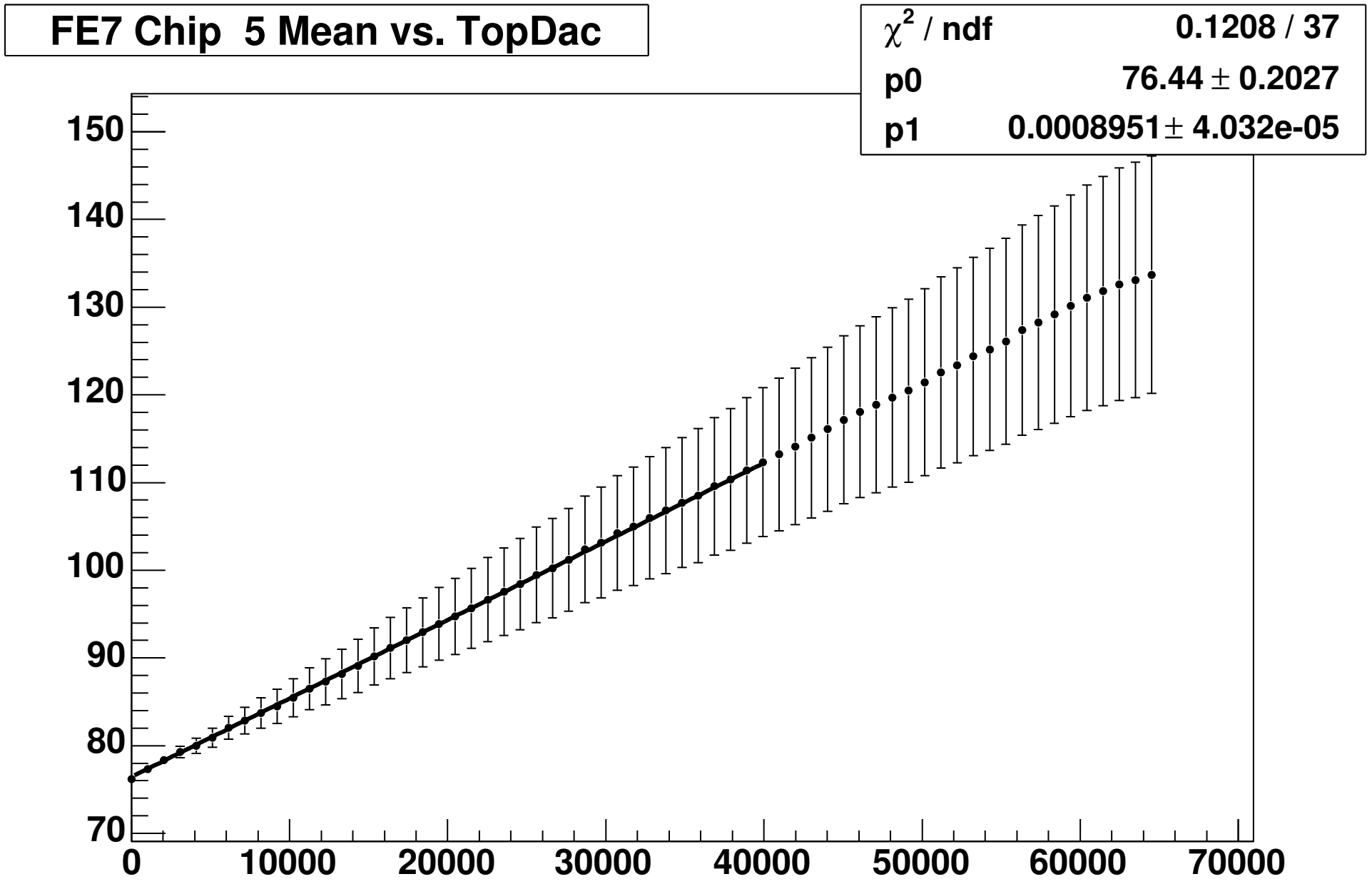
FE7 Chip 5 Mean vs. TopDac
χ² / ndf 0.1208 / 37
p0 76.44 ± 0.2027
p1 0.0008951 ± 4.032e-05
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140
130
120
110
100
90
80
70
0
10000
20000
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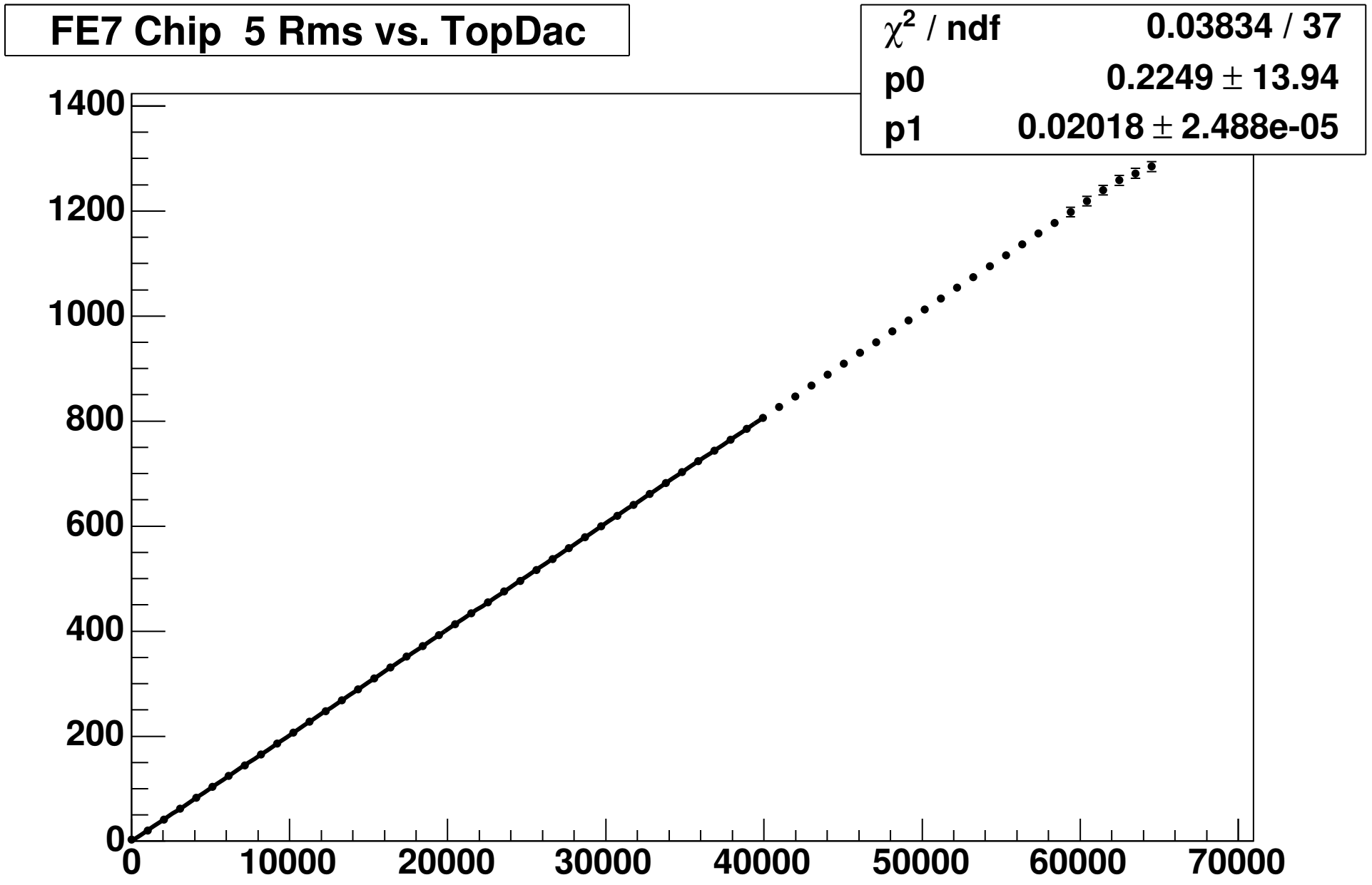
FE7 Chip 5 Rms vs. TopDac
χ² / ndf 0.03834 / 37
p0 0.2249 ± 13.94
p1 0.02018 ± 2.488e-05
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1200
1000
800
600
400
200
0
0
10000
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30000
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50000
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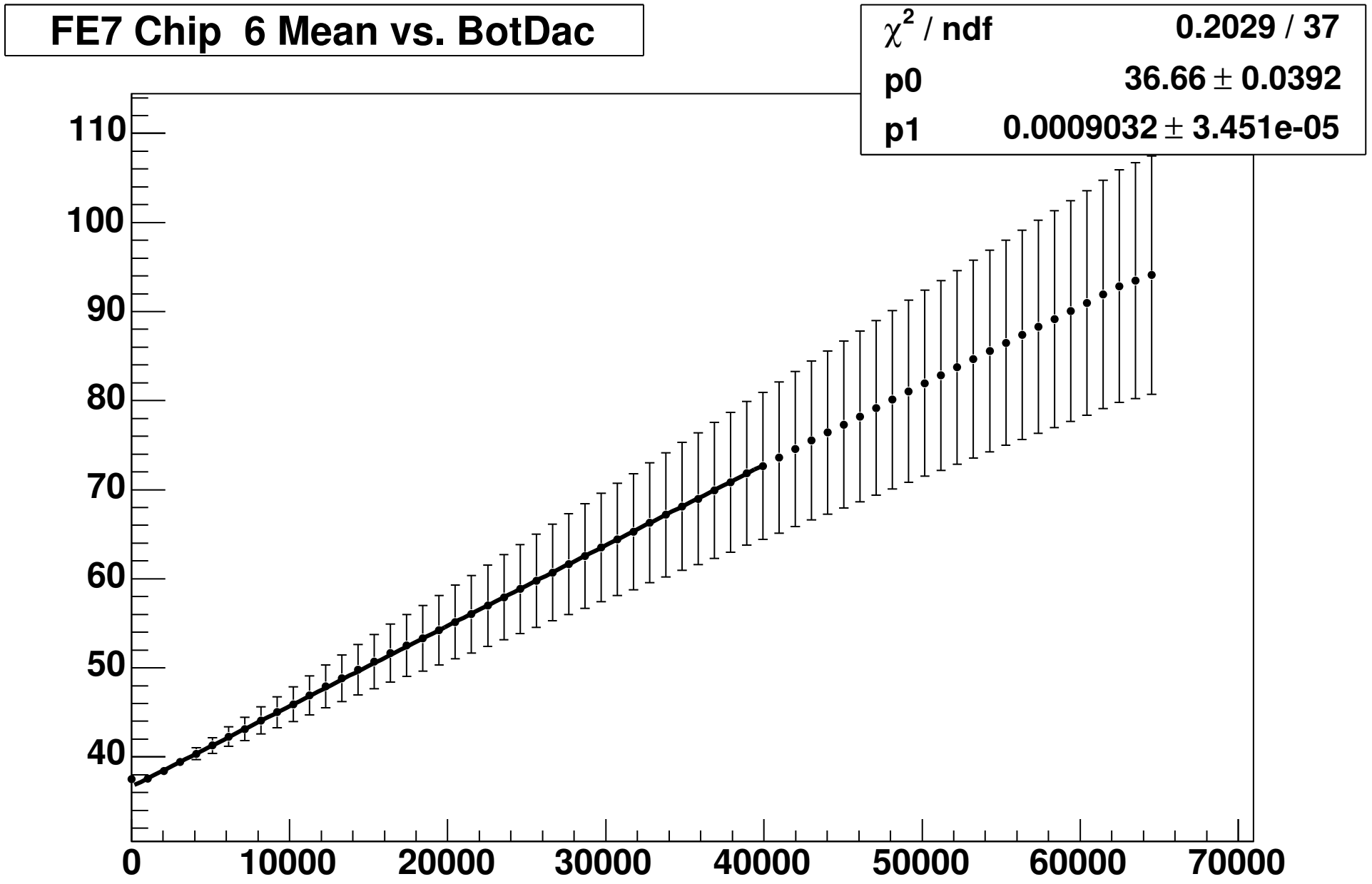
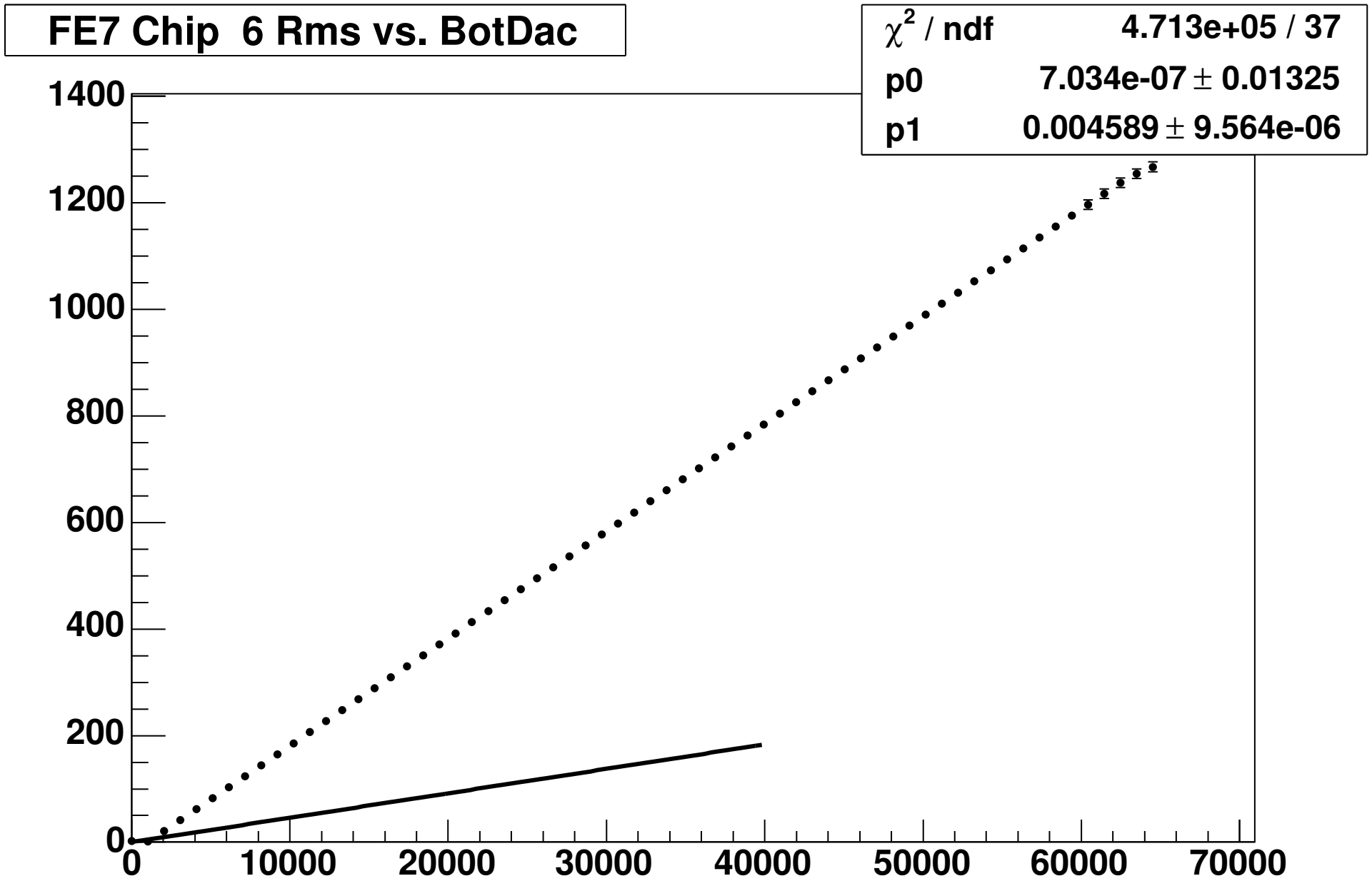

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 0.2029 / 37
p0 36.66 ± 0.0392
p1 0.0009032 ± 3.451e-05
110
100
90
80
70
60
50
40
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. BotDac
χ² / ndf 4.713e+05 / 37
p0 7.034e-07 ± 0.01325
p1 0.004589 ± 9.564e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
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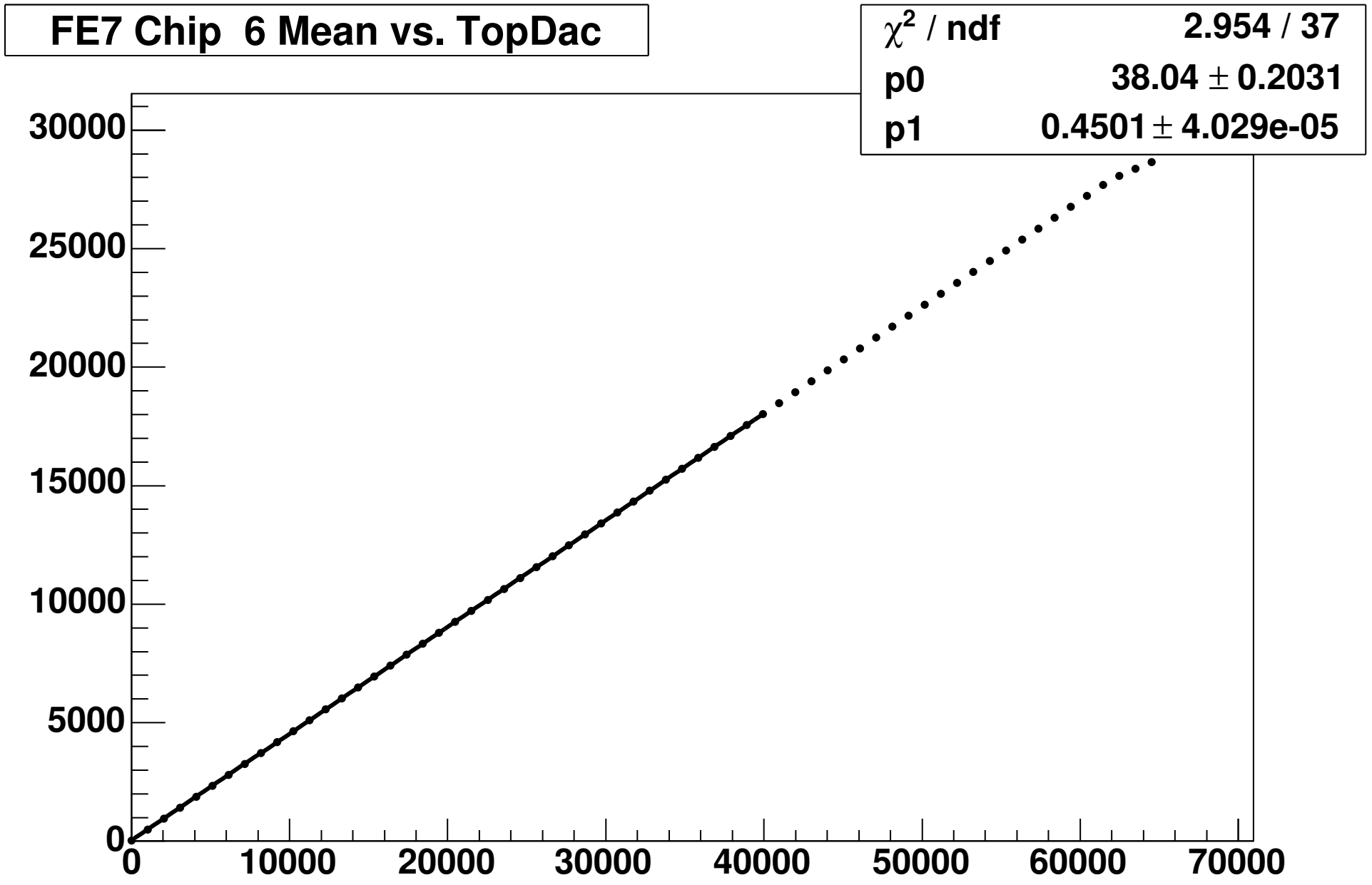
60000
70000


FE7 Chip 6 Mean vs. TopDac
χ² / ndf 2.954 / 37
p0 38.04 ± 0.2031
p1 0.4501 ± 4.029e-05
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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50000
60000
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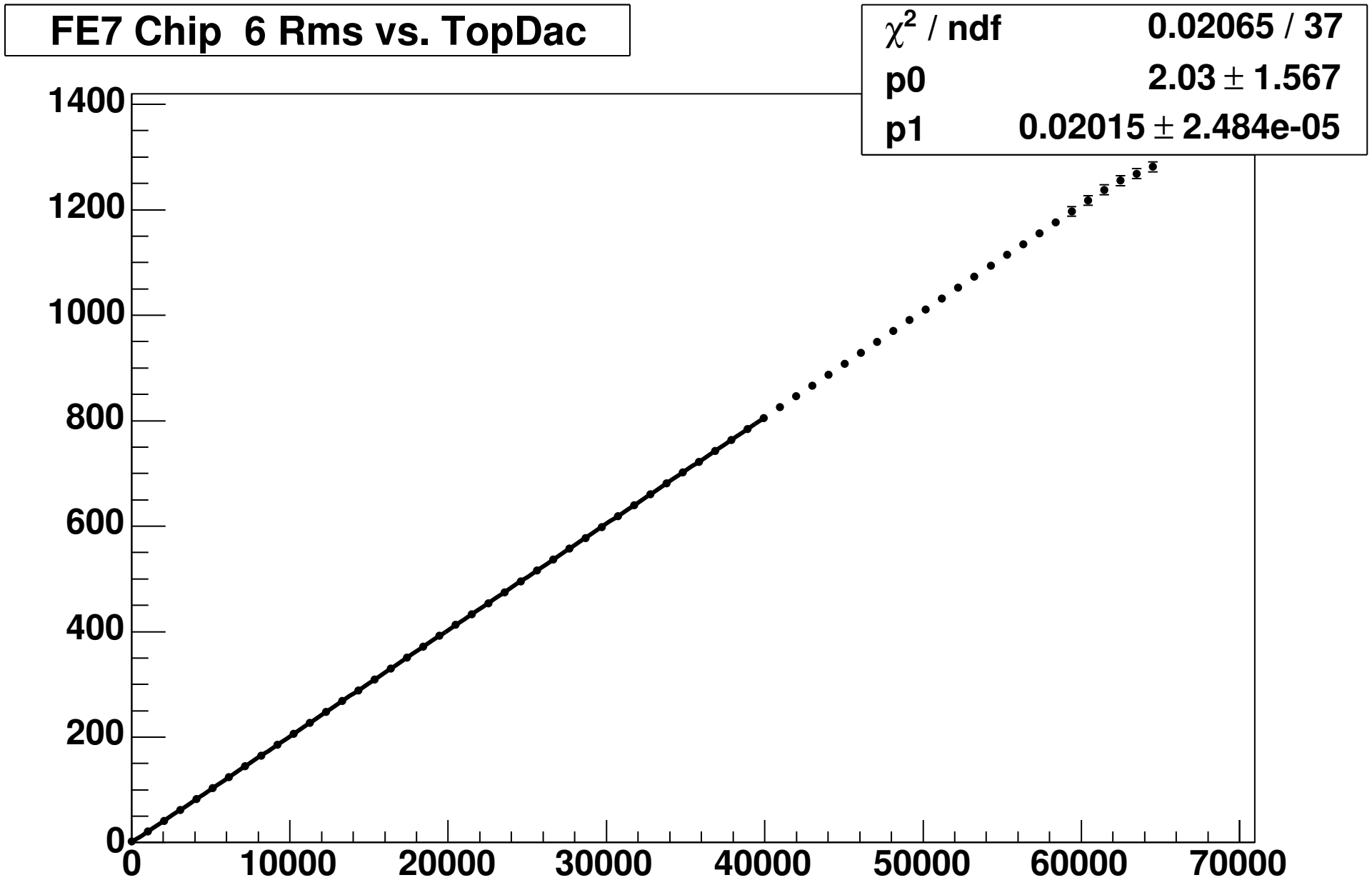
FE7 Chip 6 Rms vs. TopDac
χ² / ndf 0.02065 / 37
p0 2.03 ± 1.567
p1 0.02015 ± 2.484e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
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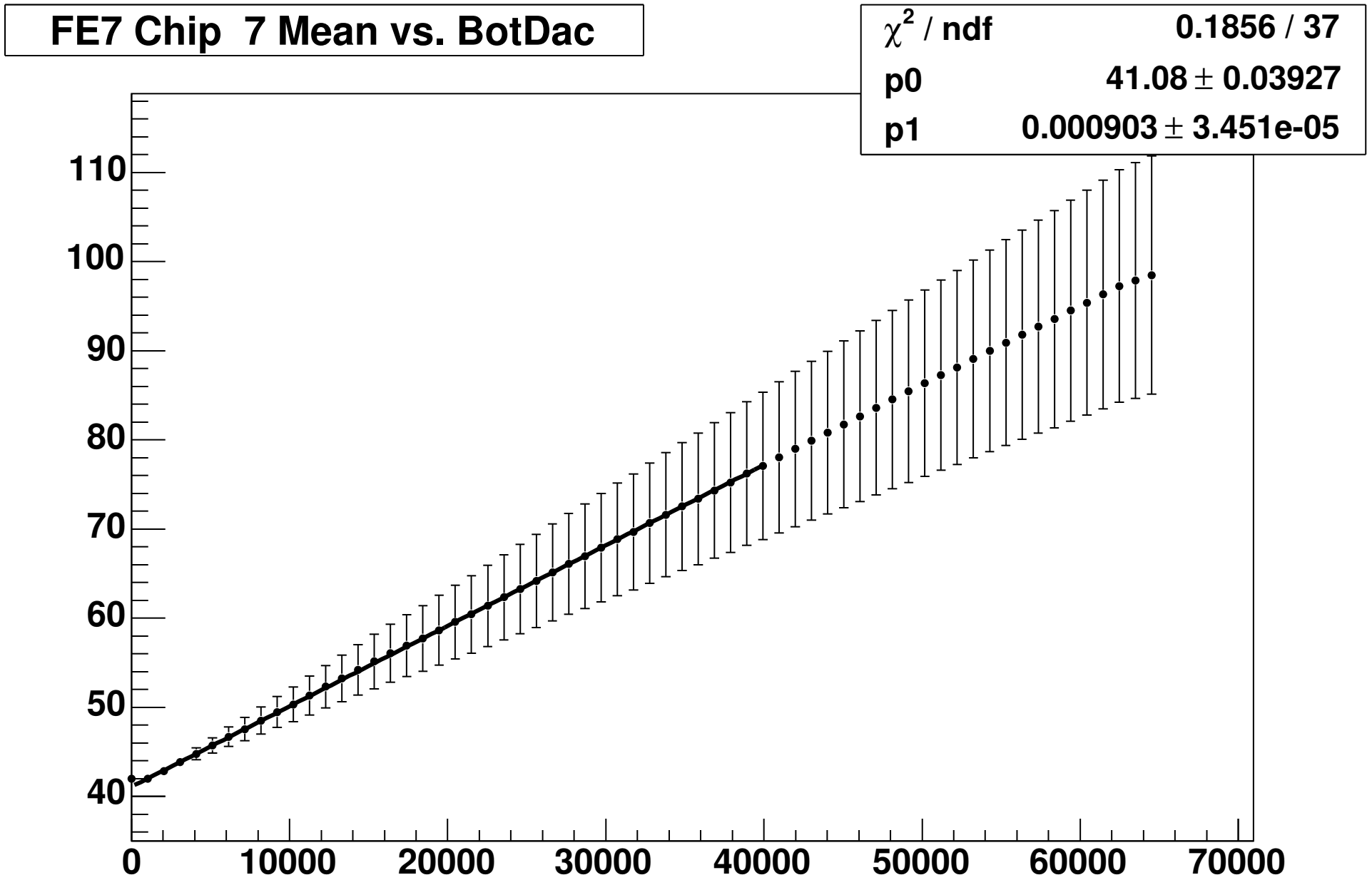
FE7 Chip 7 Mean vs. BotDac
χ^2 / ndf 0.1856 / 37
p0 41.08 ± 0.03927
p1 0.000903 ± 3.451e-05
110
100
90
80
70
60
50
40
0
10000
20000
30000
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50000
60000
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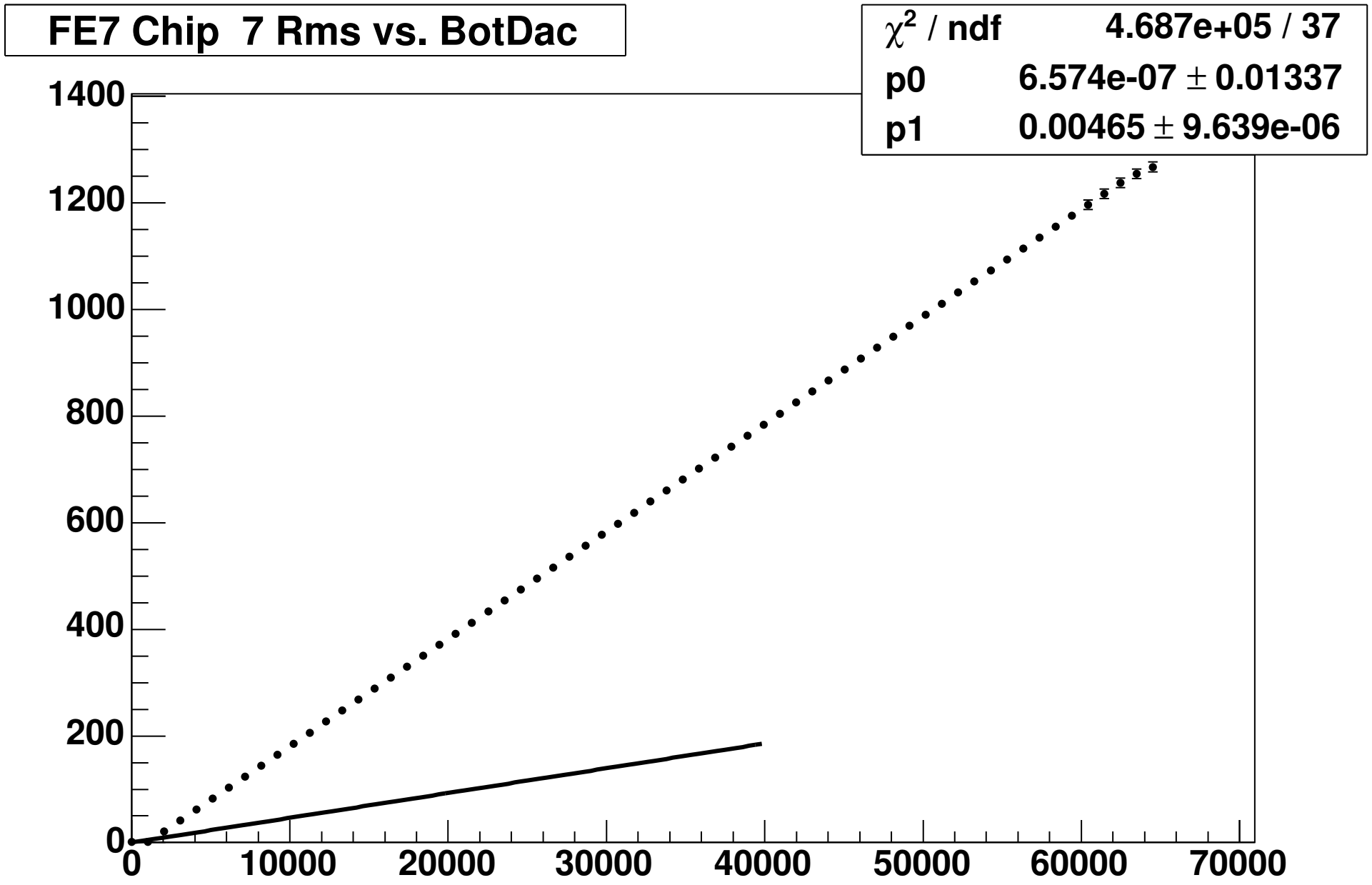
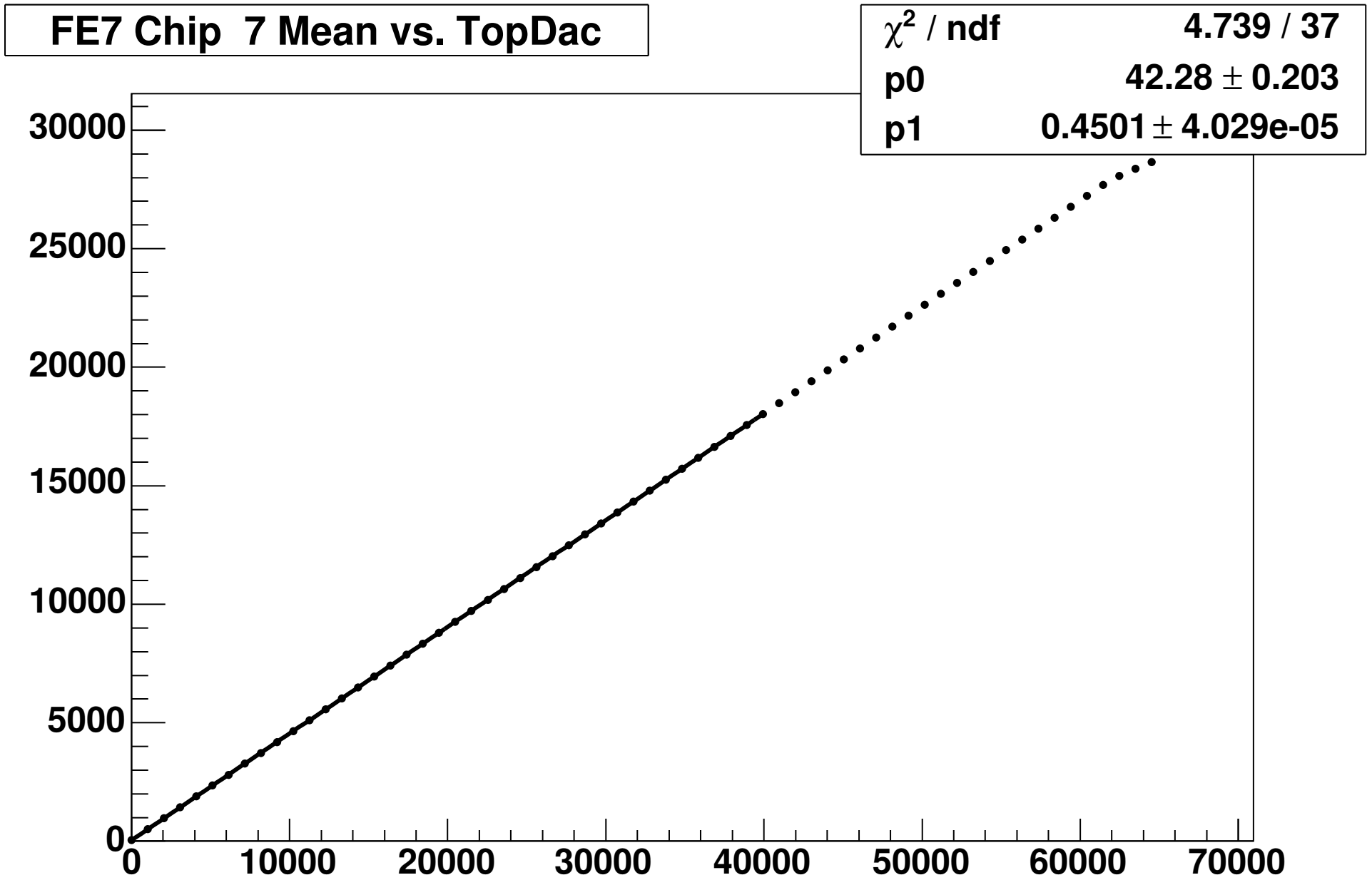

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 4.687e+05 / 37
p0 6.574e-07 ± 0.01337
p1 0.00465 ± 9.639e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 7 Mean vs. TopDac
χ² / ndf 4.739 / 37
p0 42.28 ± 0.203
p1 0.4501 ± 4.029e-05
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25000
20000
15000
10000
5000
0
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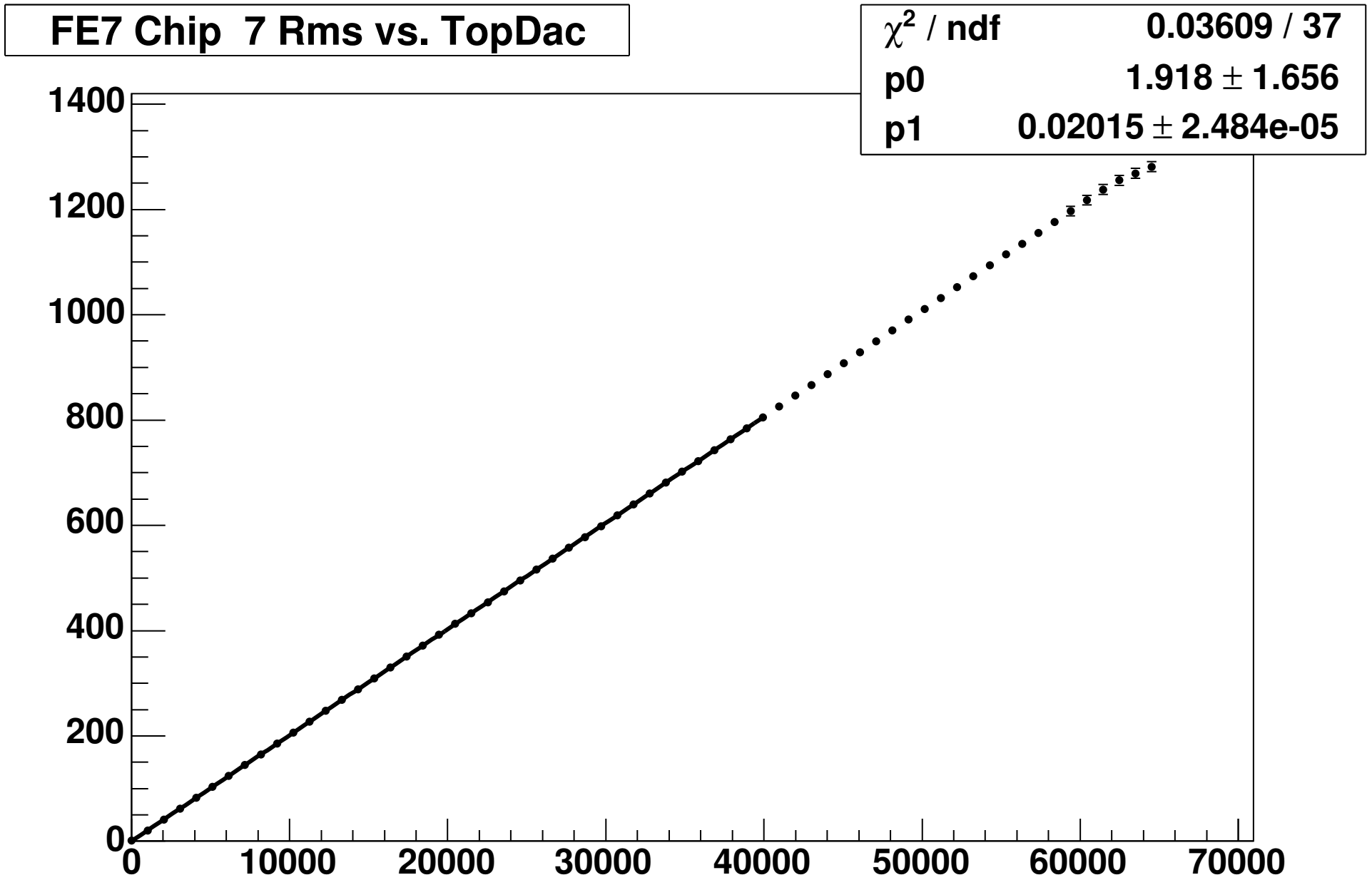
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 7 Rms vs. TopDac
χ² / ndf 0.03609 / 37
p0 1.918 ± 1.656
p1 0.02015 ± 2.484e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
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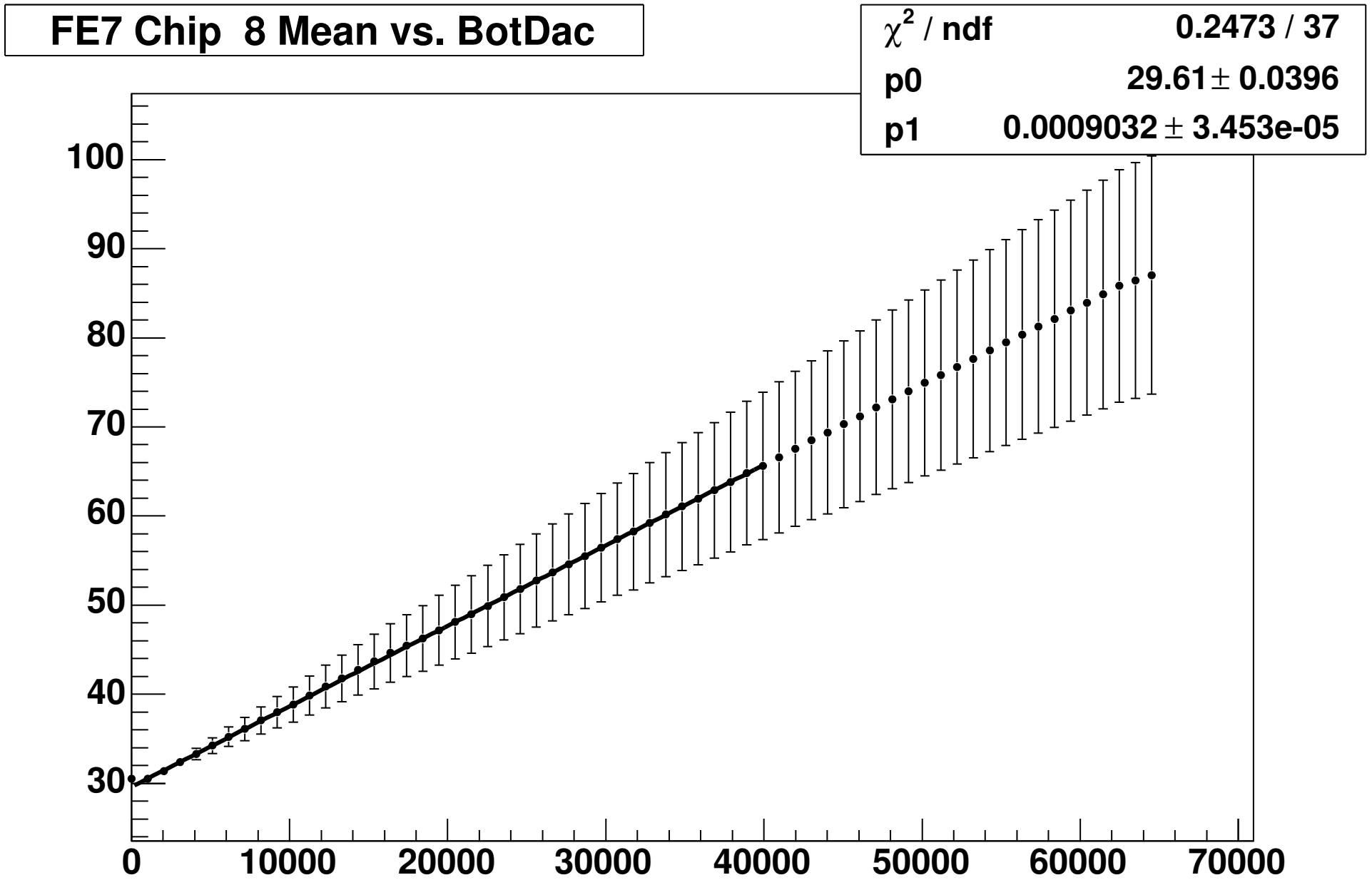
FE7 Chip 8 Mean vs. BotDac
χ² / ndf 0.2473 / 37
p0 29.61 ± 0.0396
p1 0.0009032 ± 3.453e-05
100
90
80
70
60
50
40
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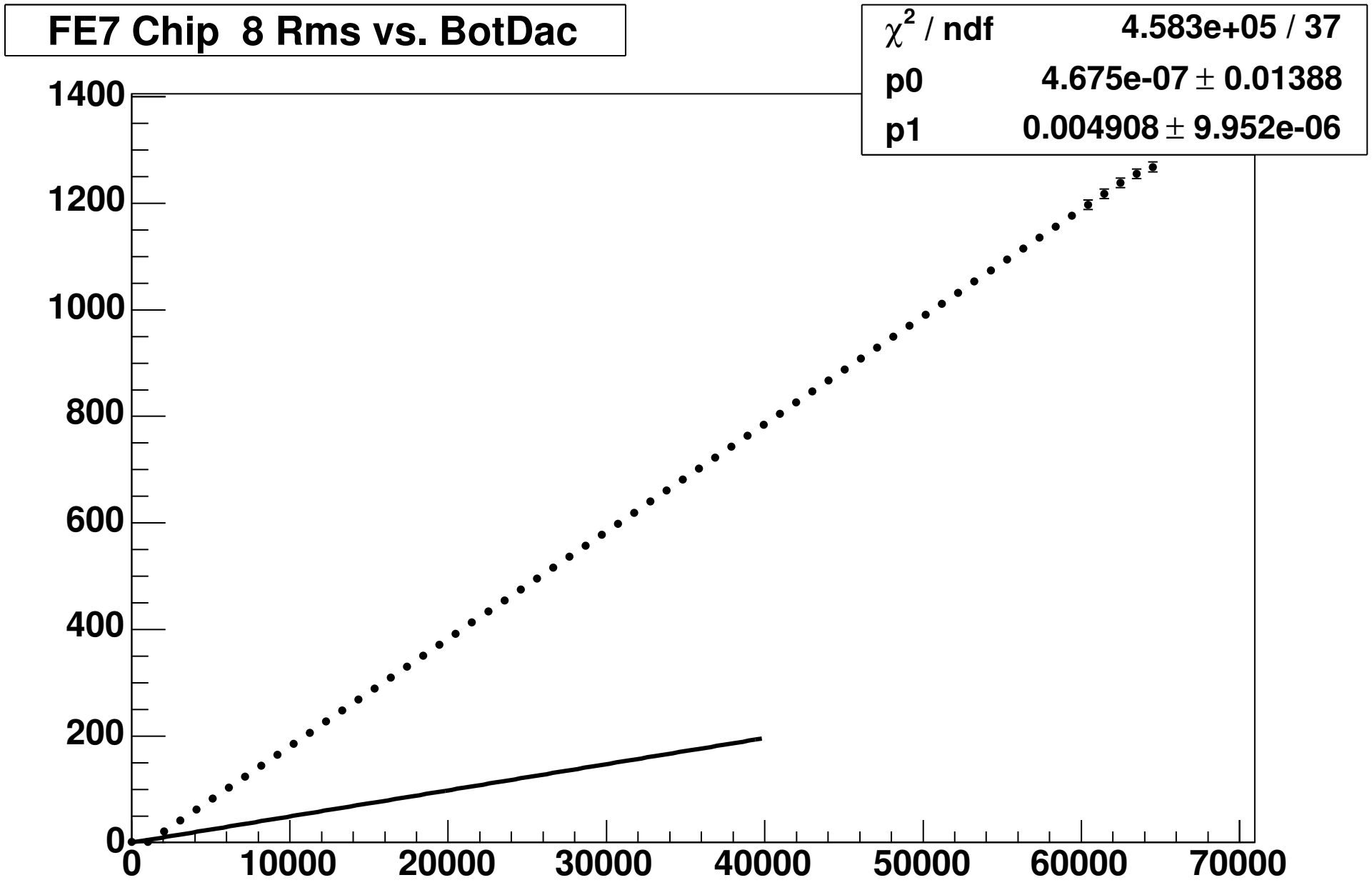
FE7 Chip 8 Rms vs. BotDac
χ² / ndf 4.583e+05 / 37
p0 4.675e-07 ± 0.01388
p1 0.004908 ± 9.952e-06
1400
1200
1000
800
600
400
200
0
0
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20000
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50000
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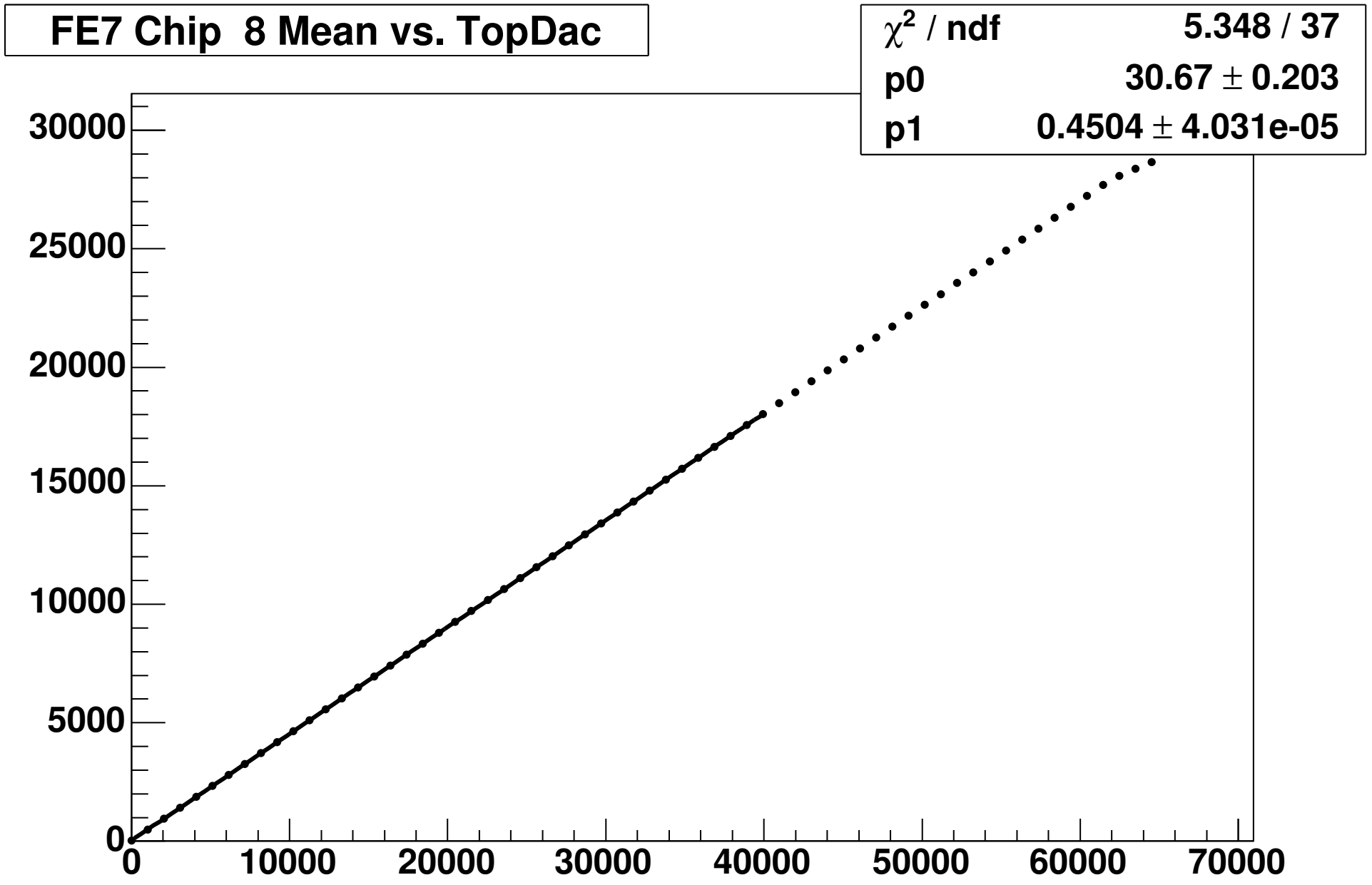
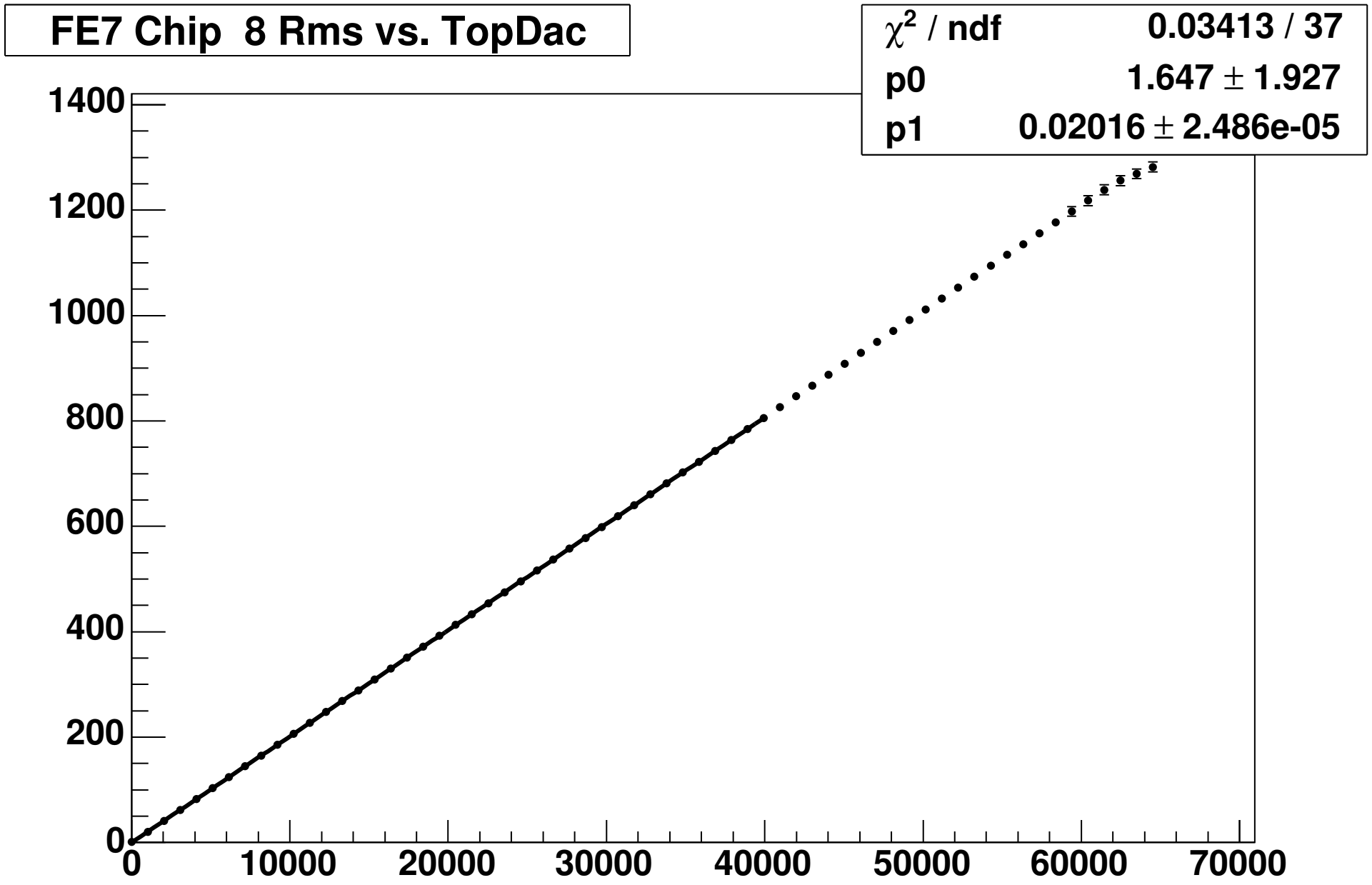
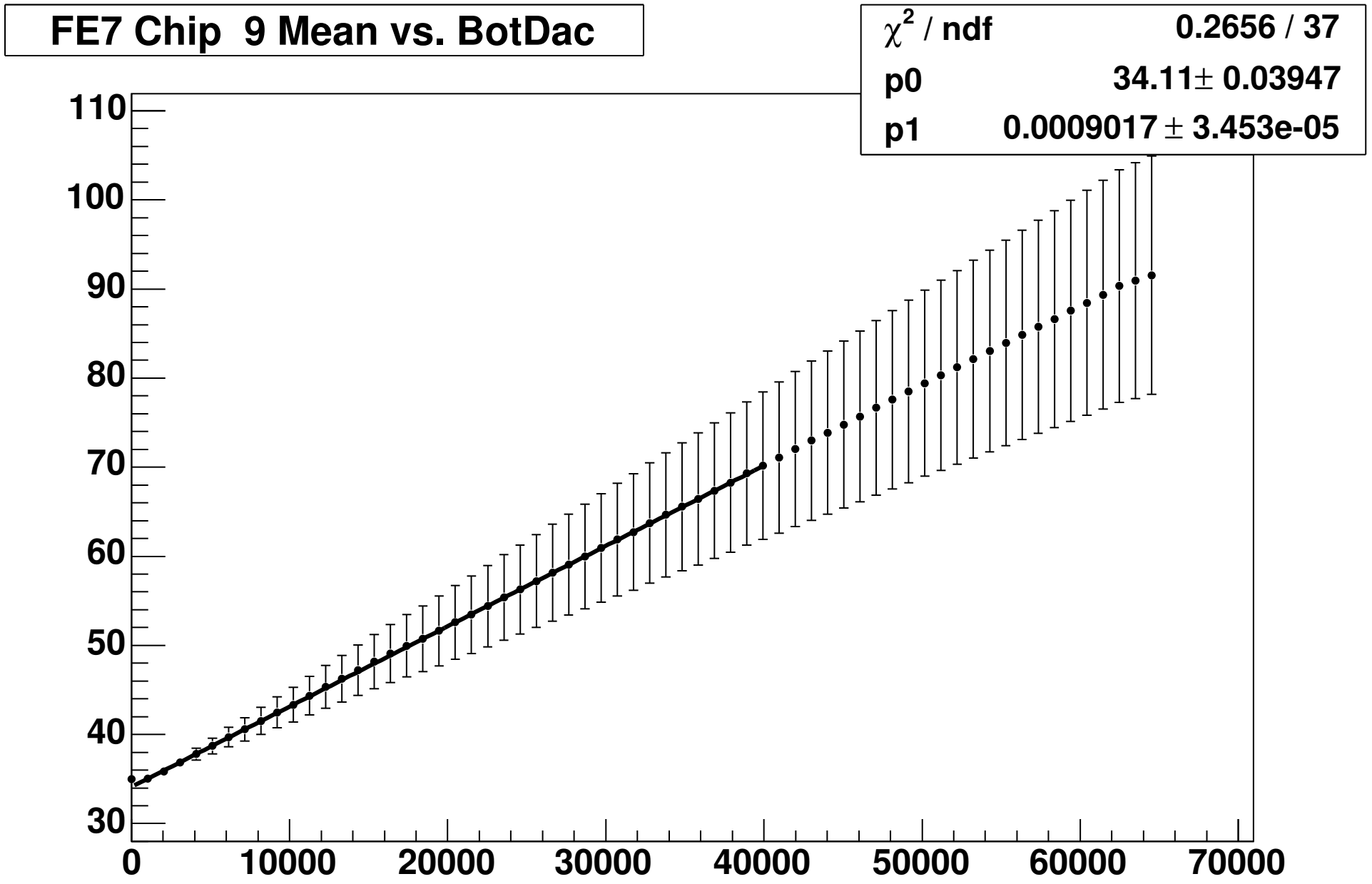
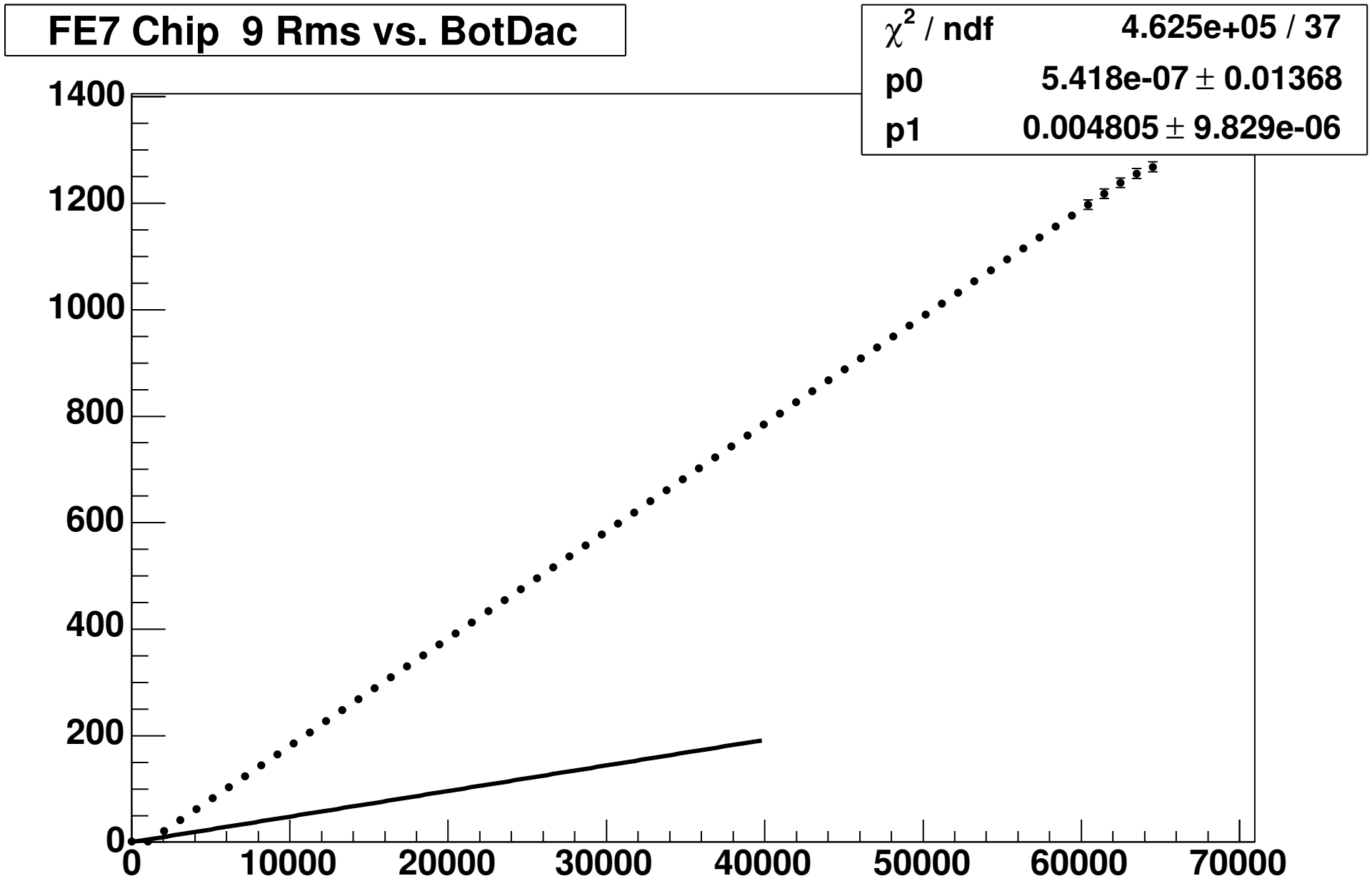
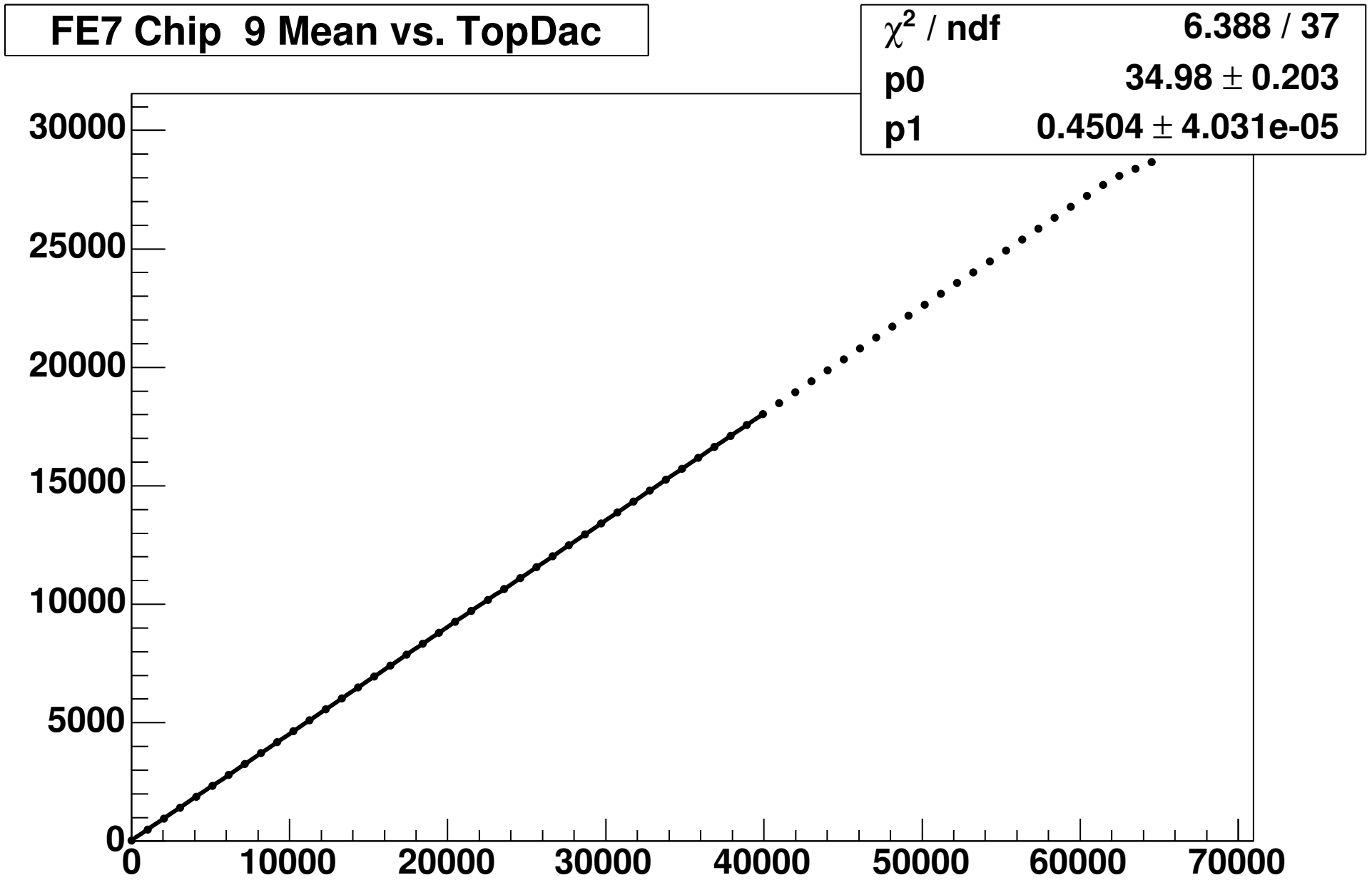
70000

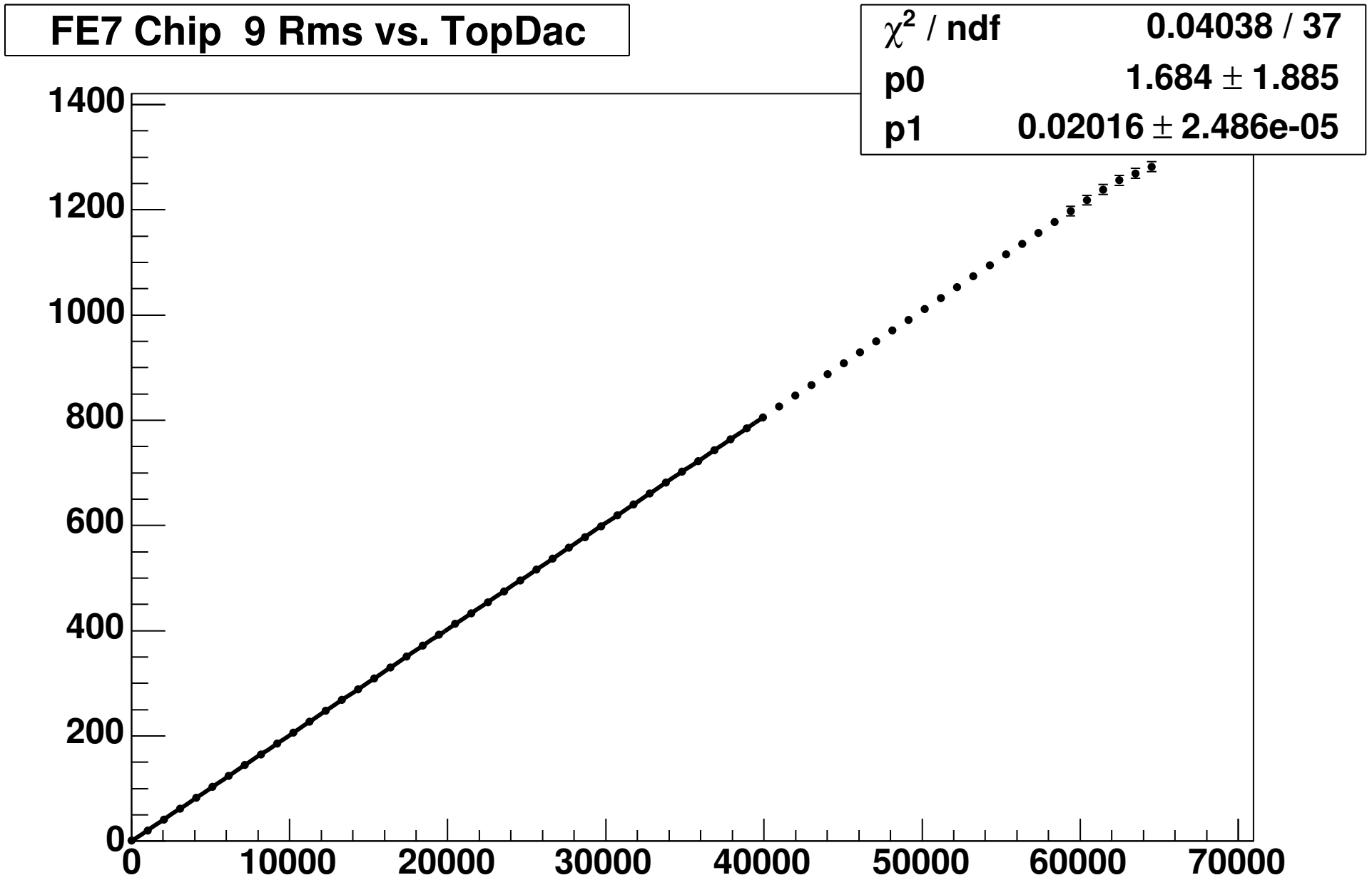

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 5.348 / 37
p0 30.67 ± 0.203
p1 0.4504 ± 4.031e-05
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

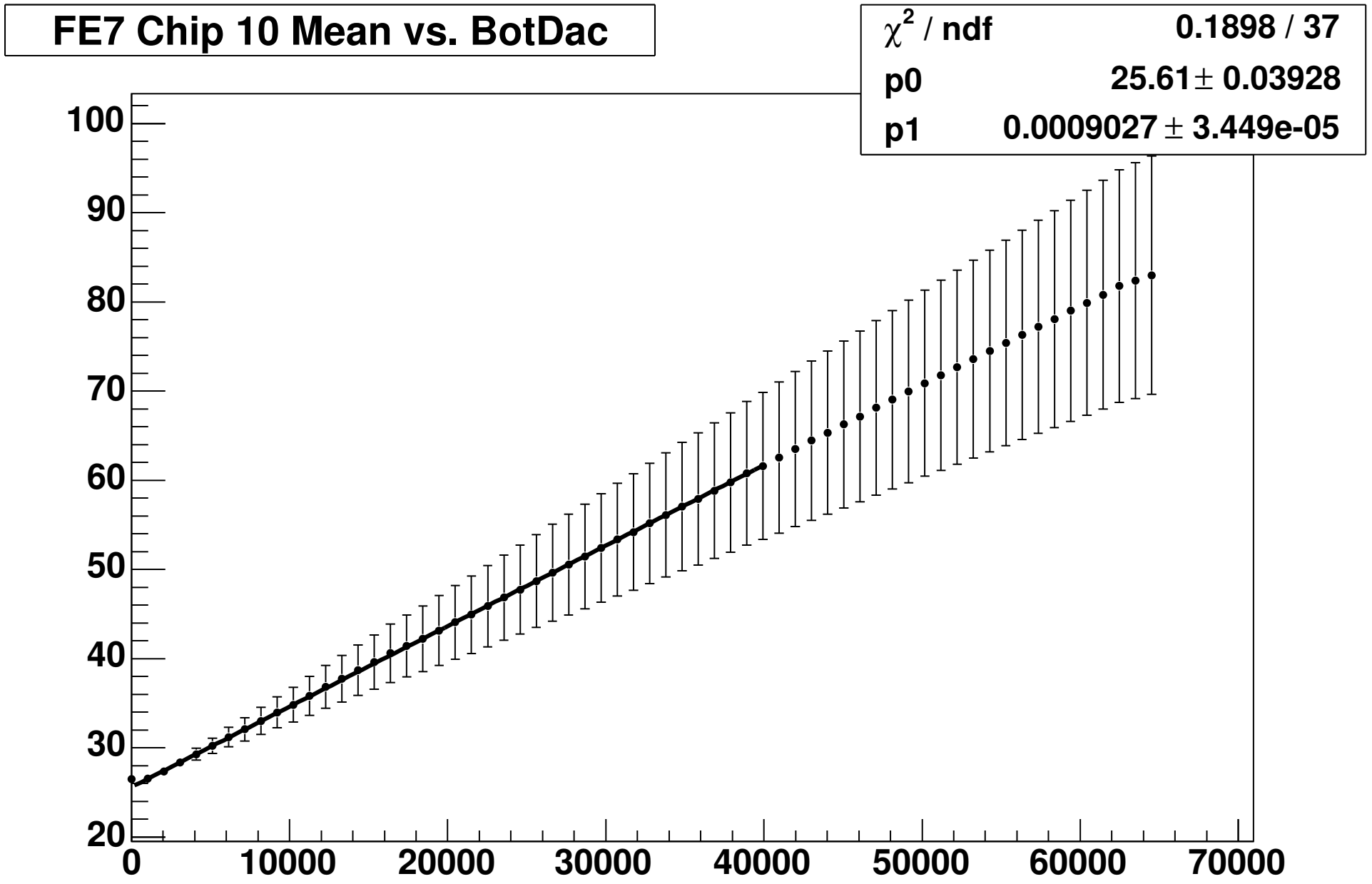

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 0.03413 / 37
p0 1.647 ± 1.927
p1 0.02016 ± 2.486e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

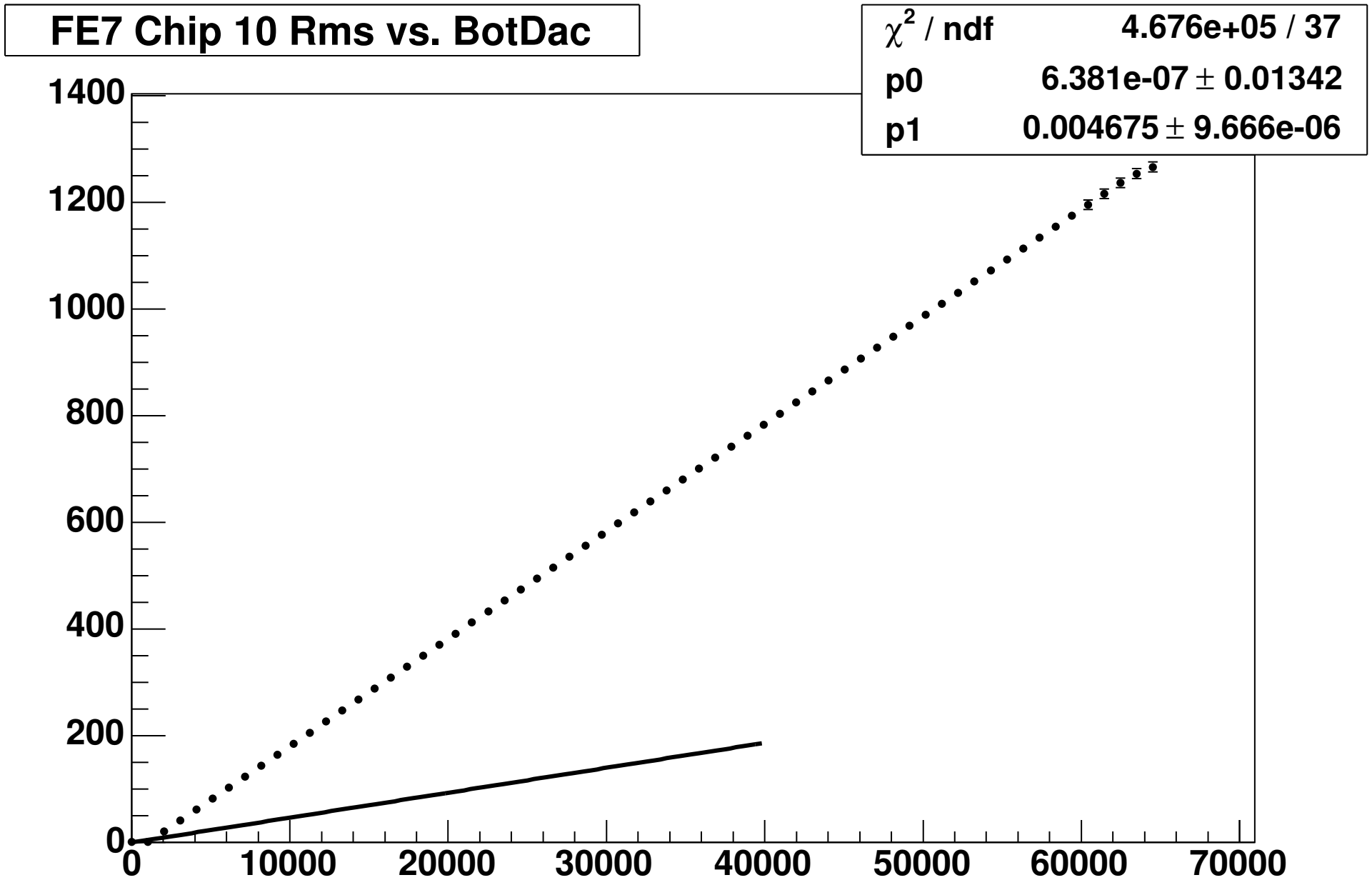

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 0.2656 / 37
p0 34.11 ± 0.03947
p1 0.0009017 ± 3.453e-05
110
100
90
80
70
60
50
40
30
0
10000
20000
30000
40000
50000
60000
70000

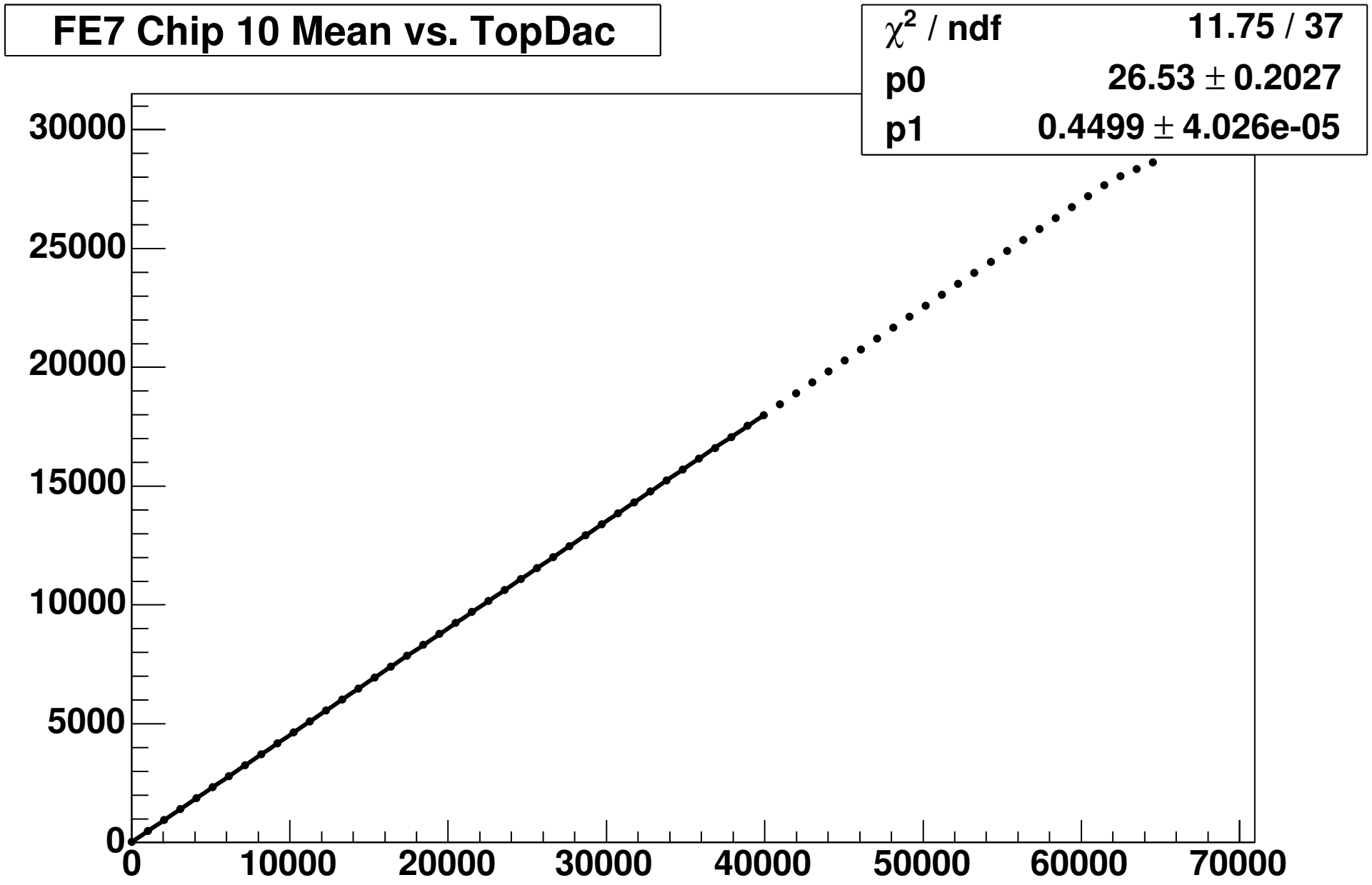

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 4.625e+05 / 37
p0 5.418e-07 ± 0.01368
p1 0.004805 ± 9.829e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

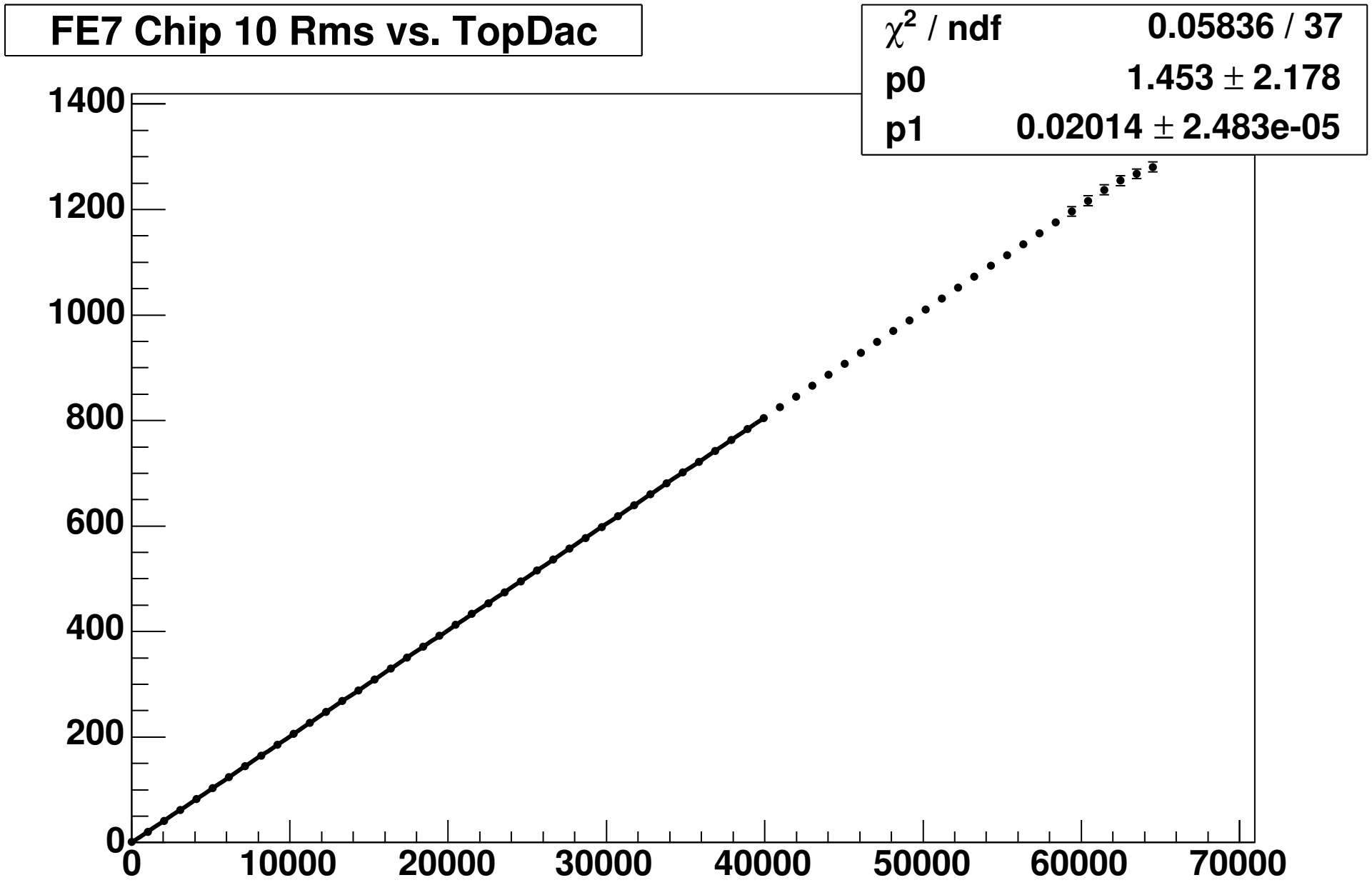

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 6.388 / 37
p0 34.98 ± 0.203
p1 0.4504 ± 4.031e-05
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

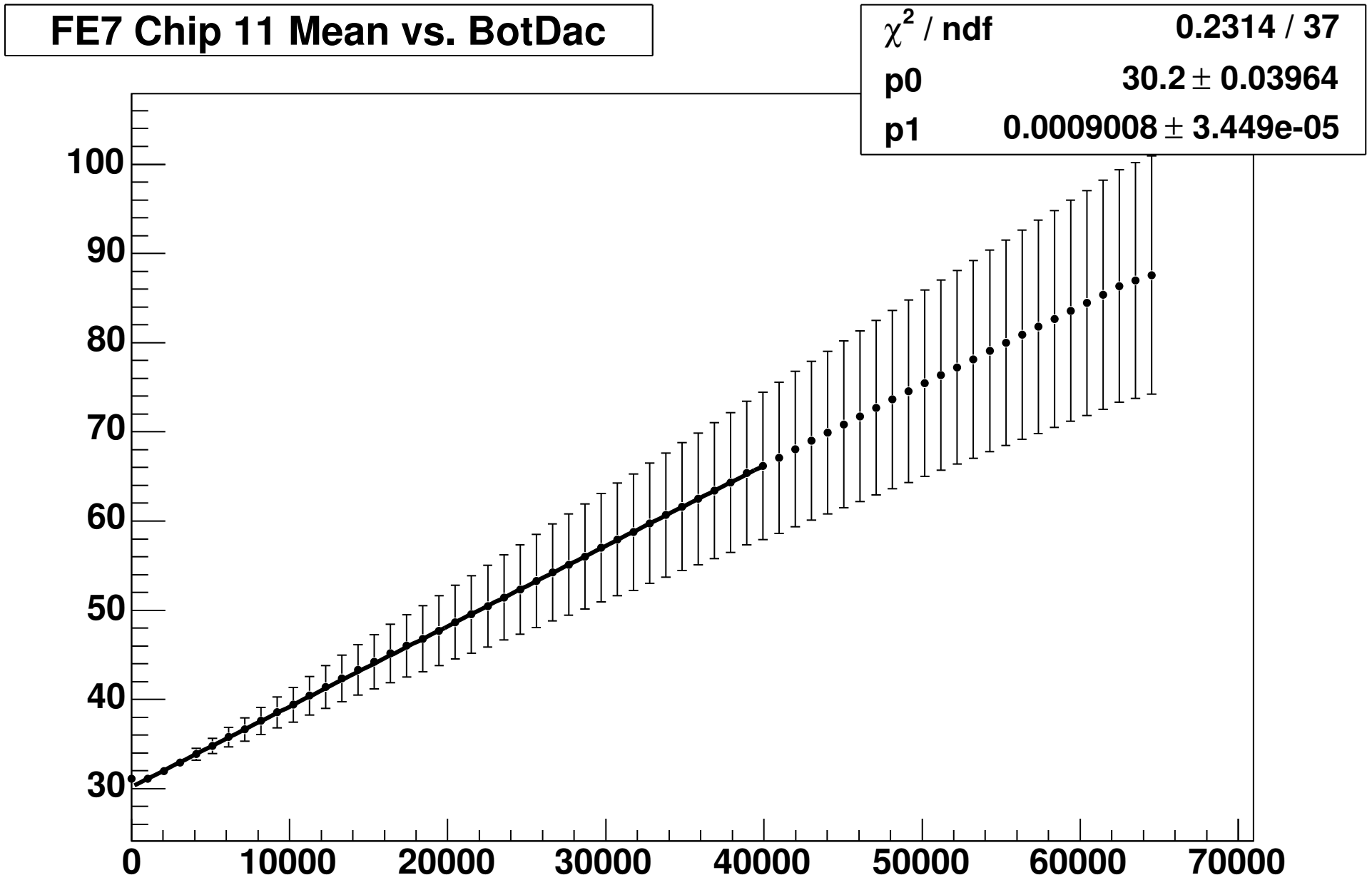

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 0.04038 / 37
p0 1.684 ± 1.885
p1 0.02016 ± 2.486e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

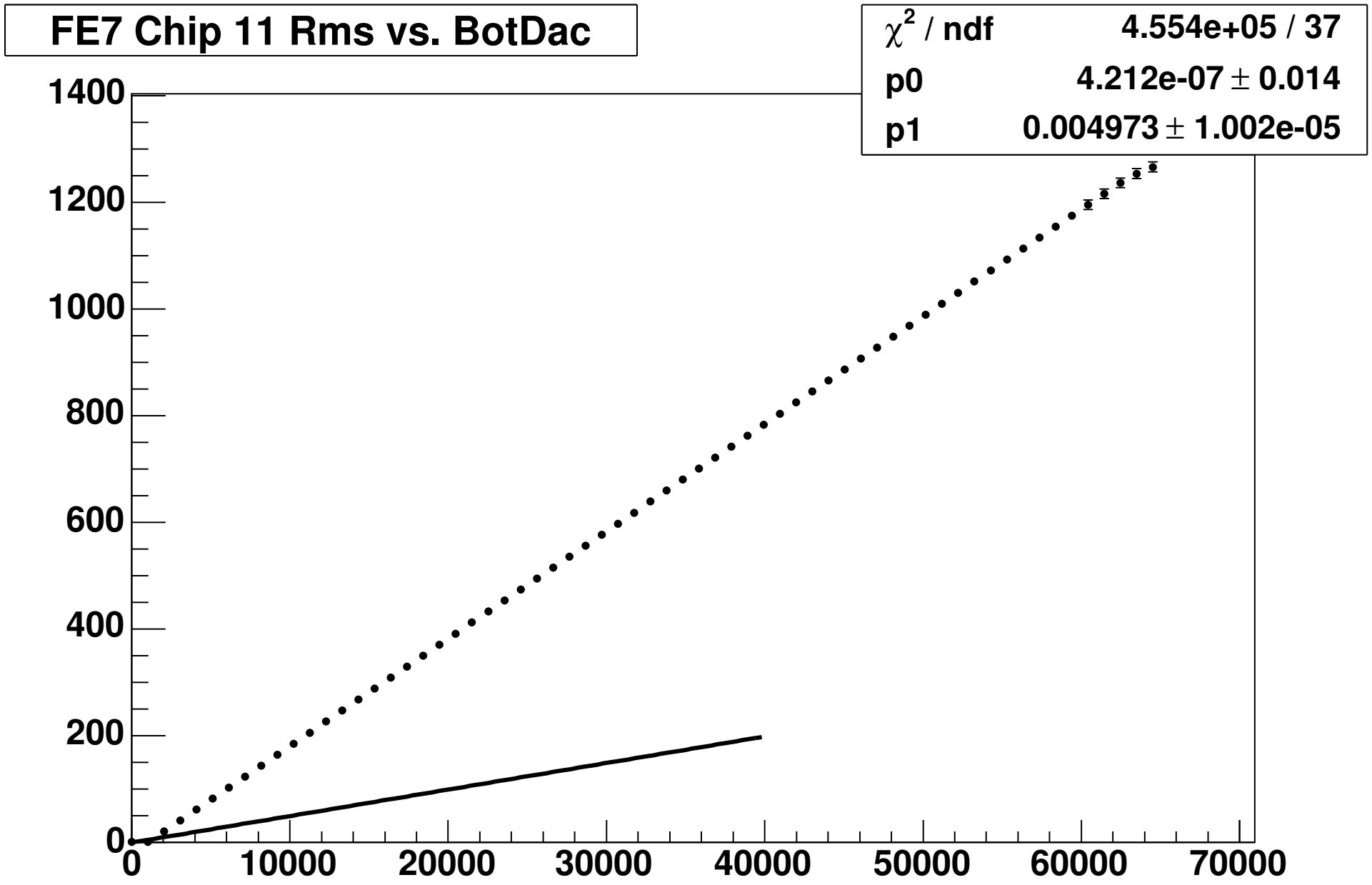

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 0.1898 / 37
p0 25.61 ± 0.03928
p1 0.0009027 ± 3.449e-05
100
90
80
70
60
50
40
30
20
0
10000
20000
30000
40000
50000
60000
70000

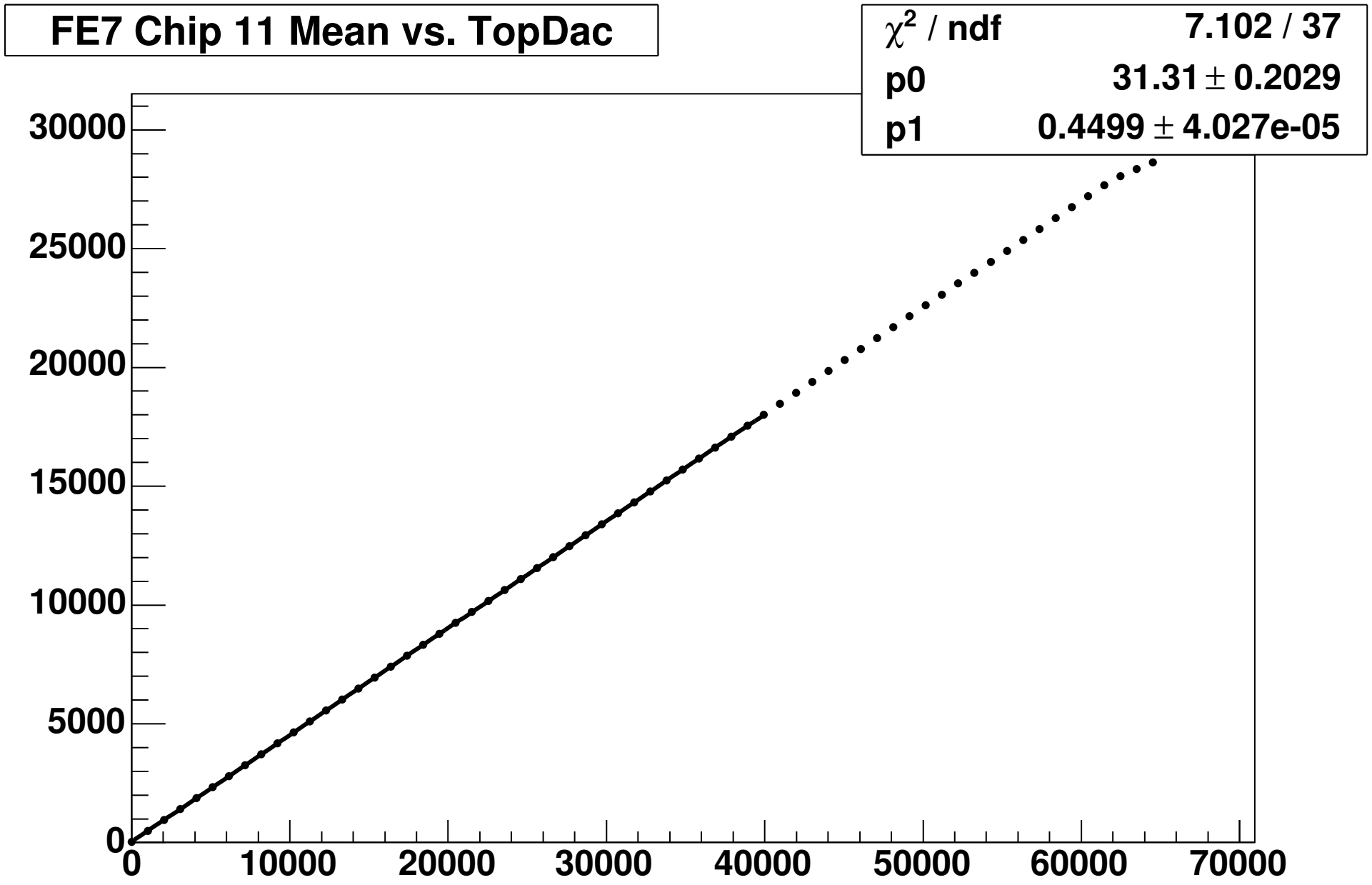

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 4.676e+05 / 37
p0 6.381e-07 ± 0.01342
p1 0.004675 ± 9.666e-06
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

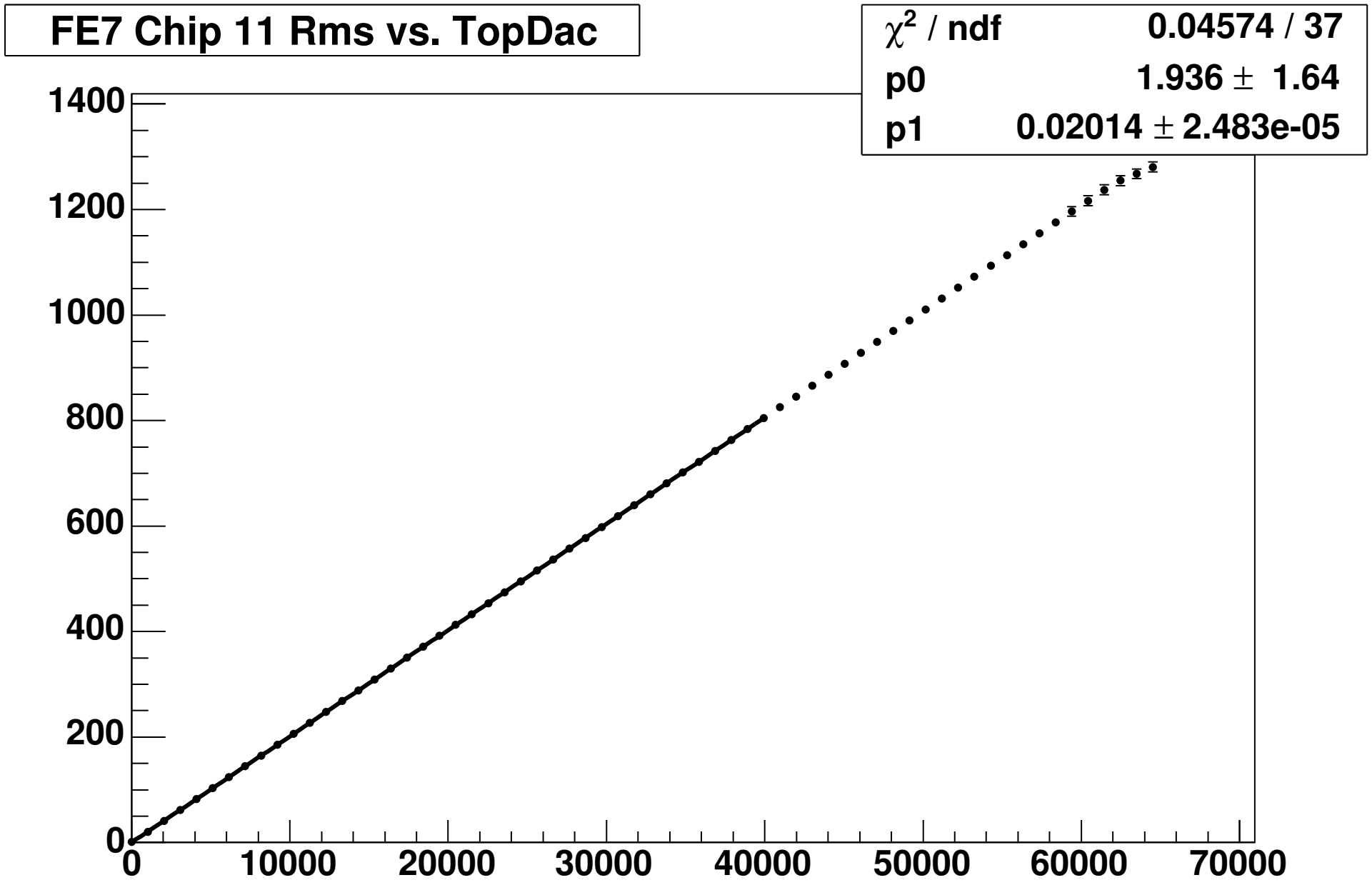

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 11.75 / 37
p0 26.53 ± 0.2027
p1 0.4499 ± 4.026e-05
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

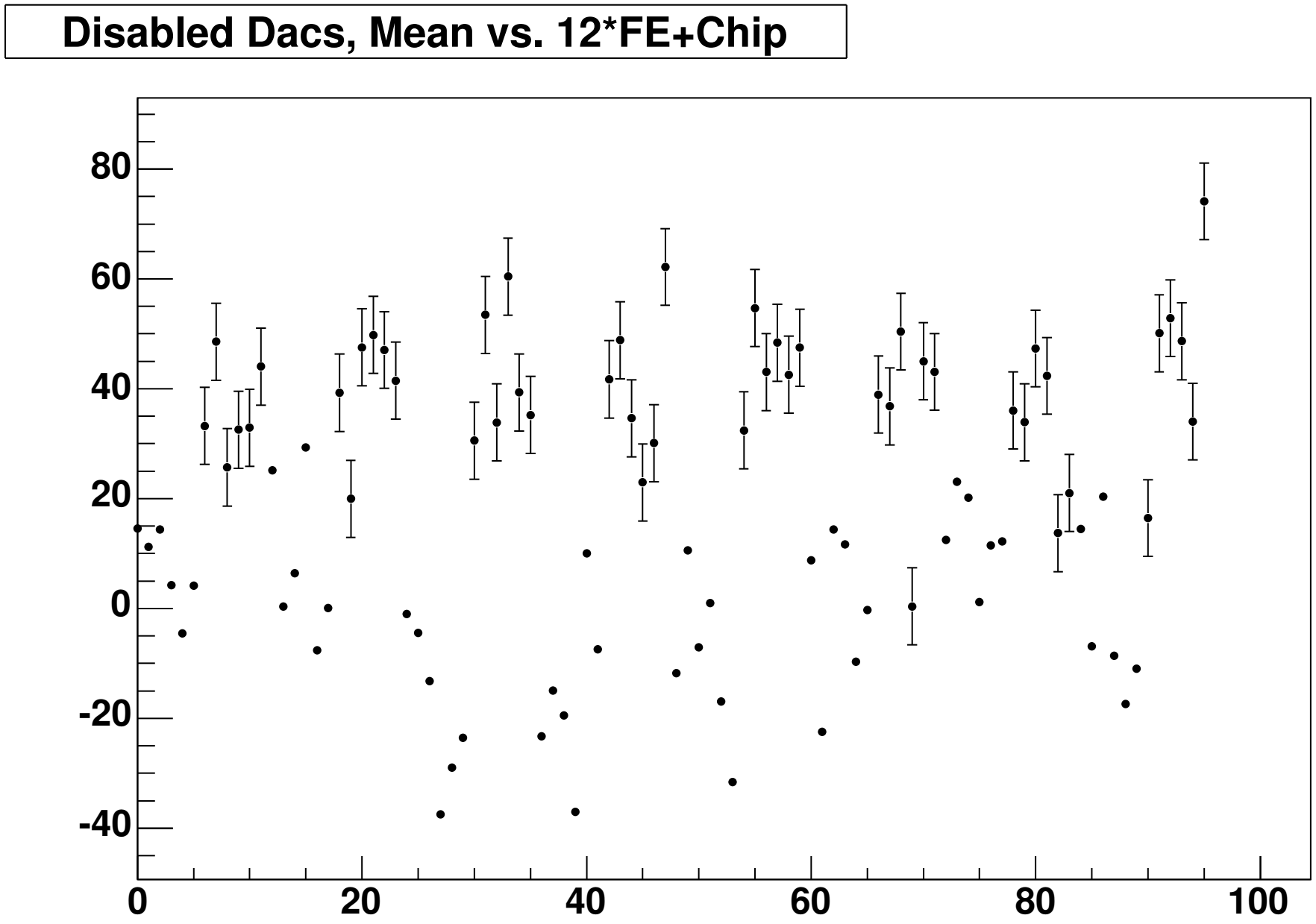

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 0.05836 / 37
p0 1.453 ± 2.178
p1 0.02014 ± 2.483e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

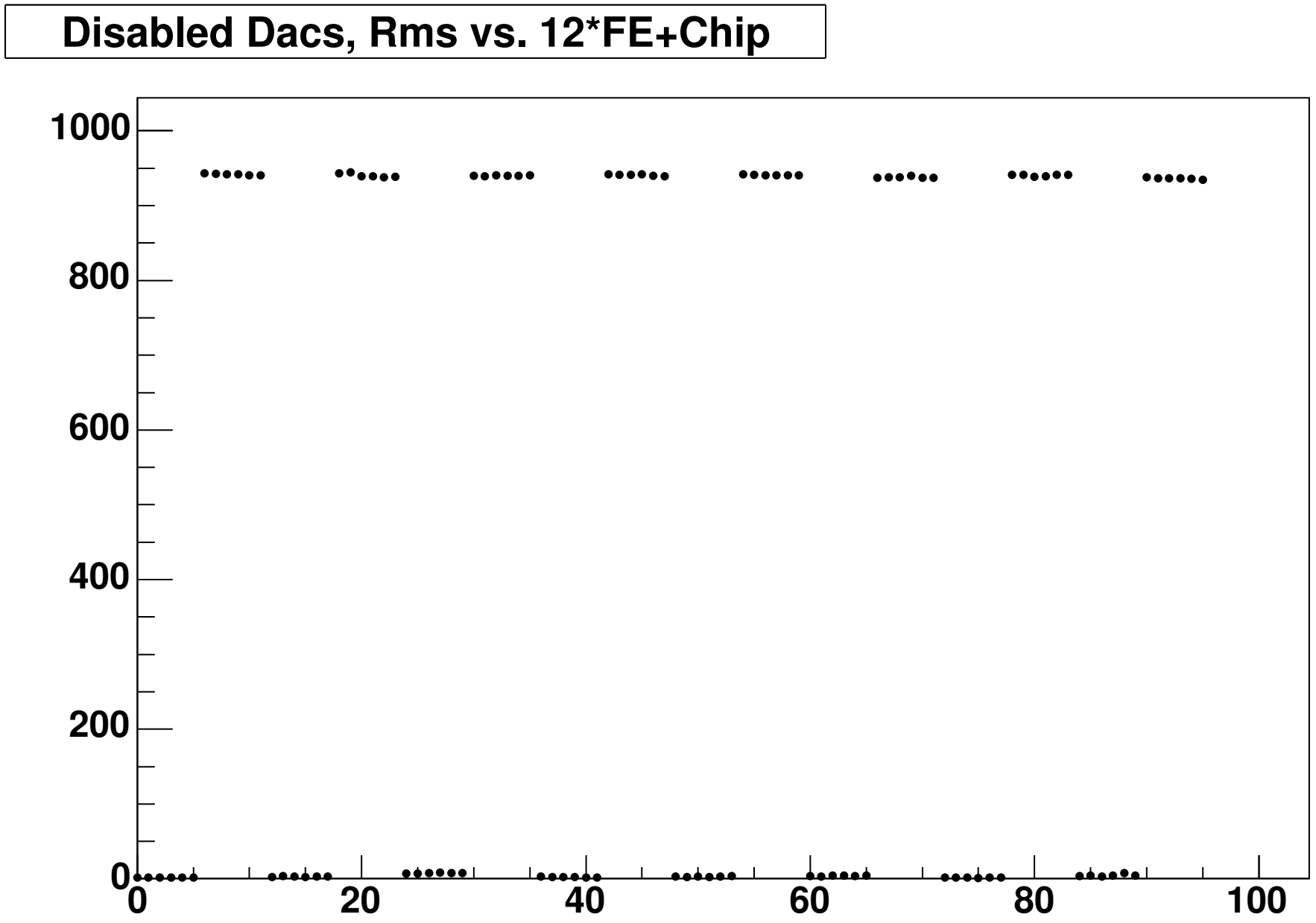

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 0.2314 / 37
p0 30.2 ± 0.03964
p1 0.0009008 ± 3.449e-05
100
90
80
70
60
50
40
30
0
10000
20000
30000
40000
50000
60000
70000

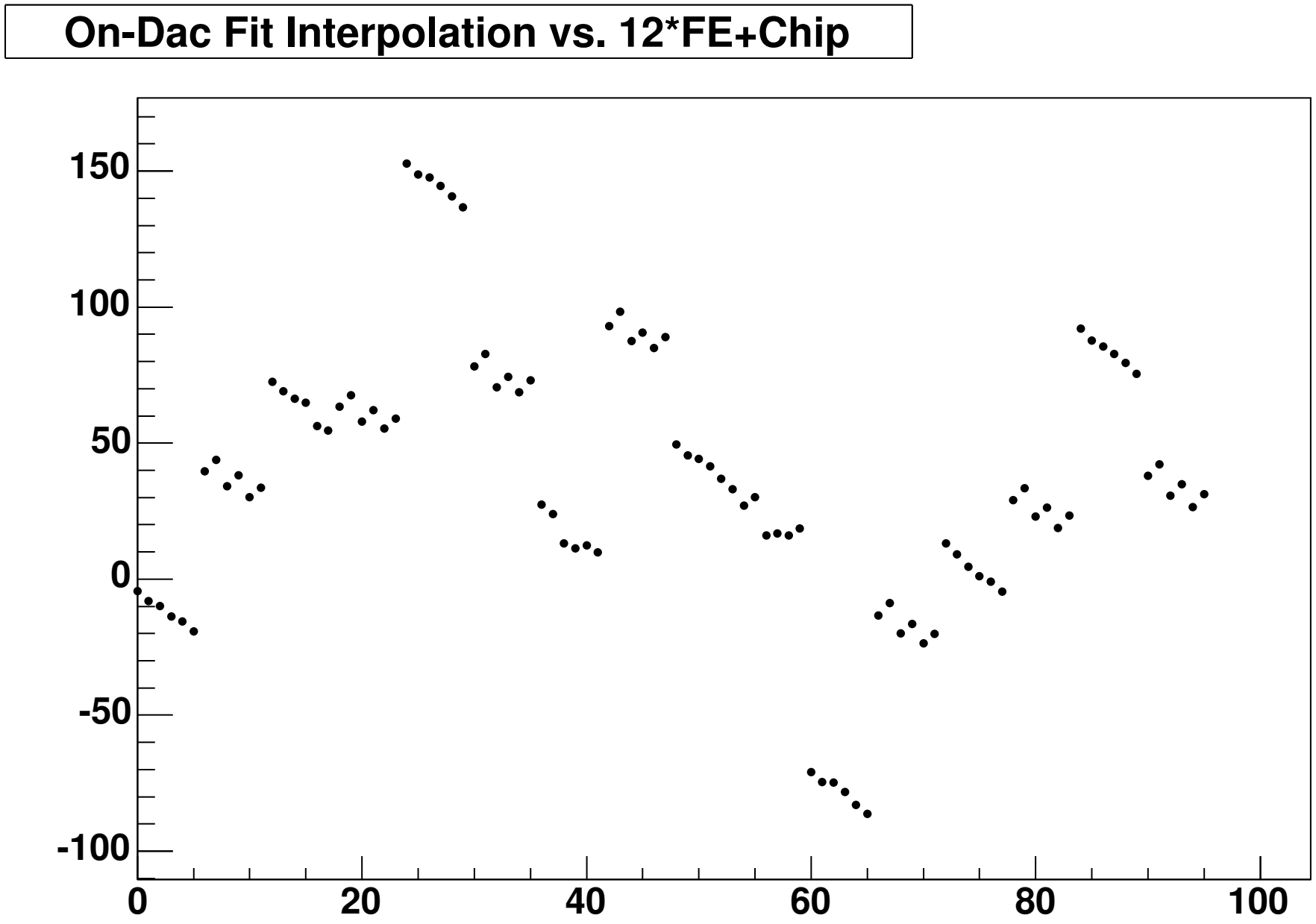

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 4.554e+05 / 37
p0 4.212e-07 ± 0.014
p1 0.004973 ± 1.002e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

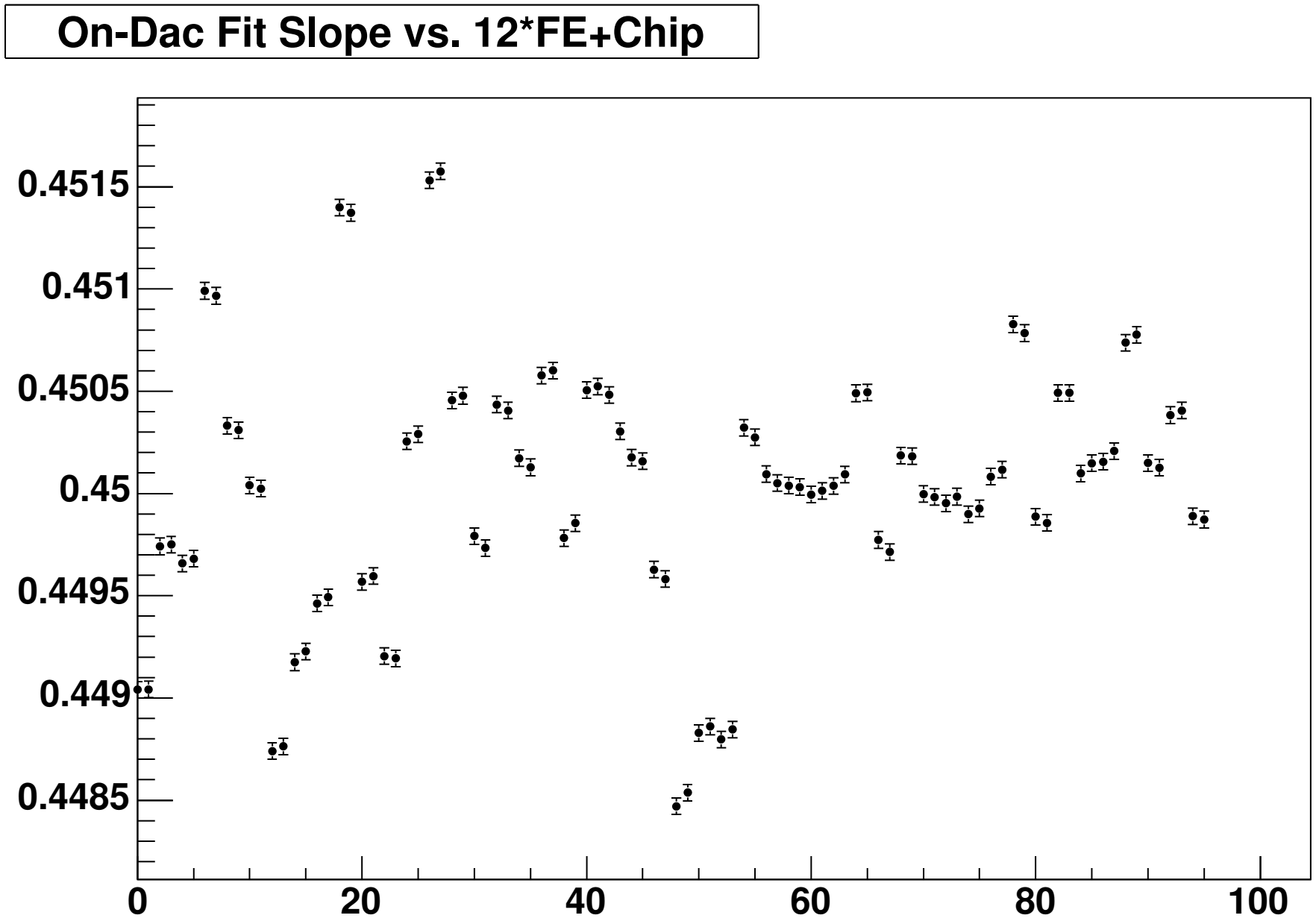

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 7.102 / 37
p0 31.31 ± 0.2029
p1 0.4499 ± 4.027e-05
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

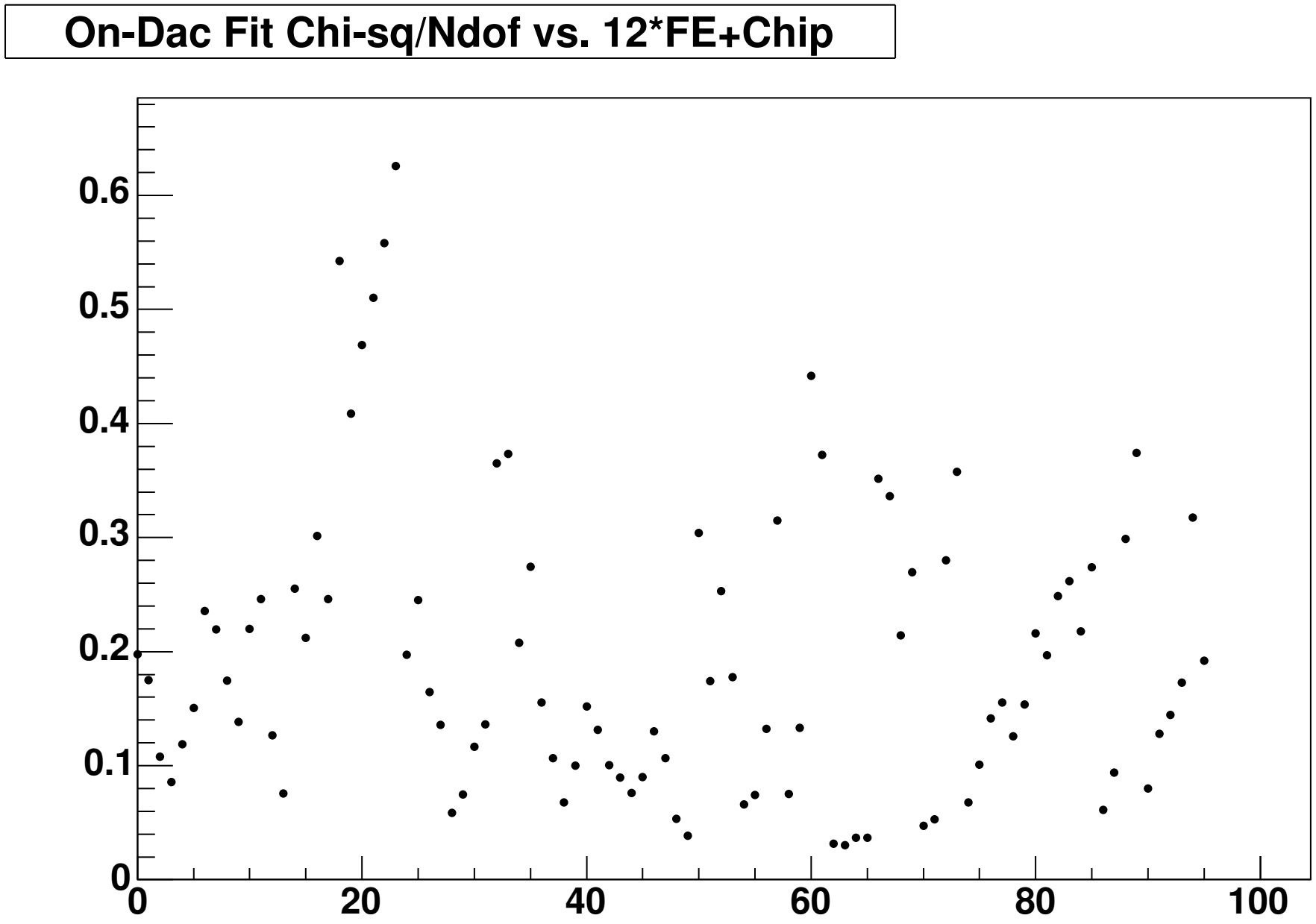

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 0.04574 / 37
p0 1.936 ± 1.64
p1 0.02014 ± 2.483e-05
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

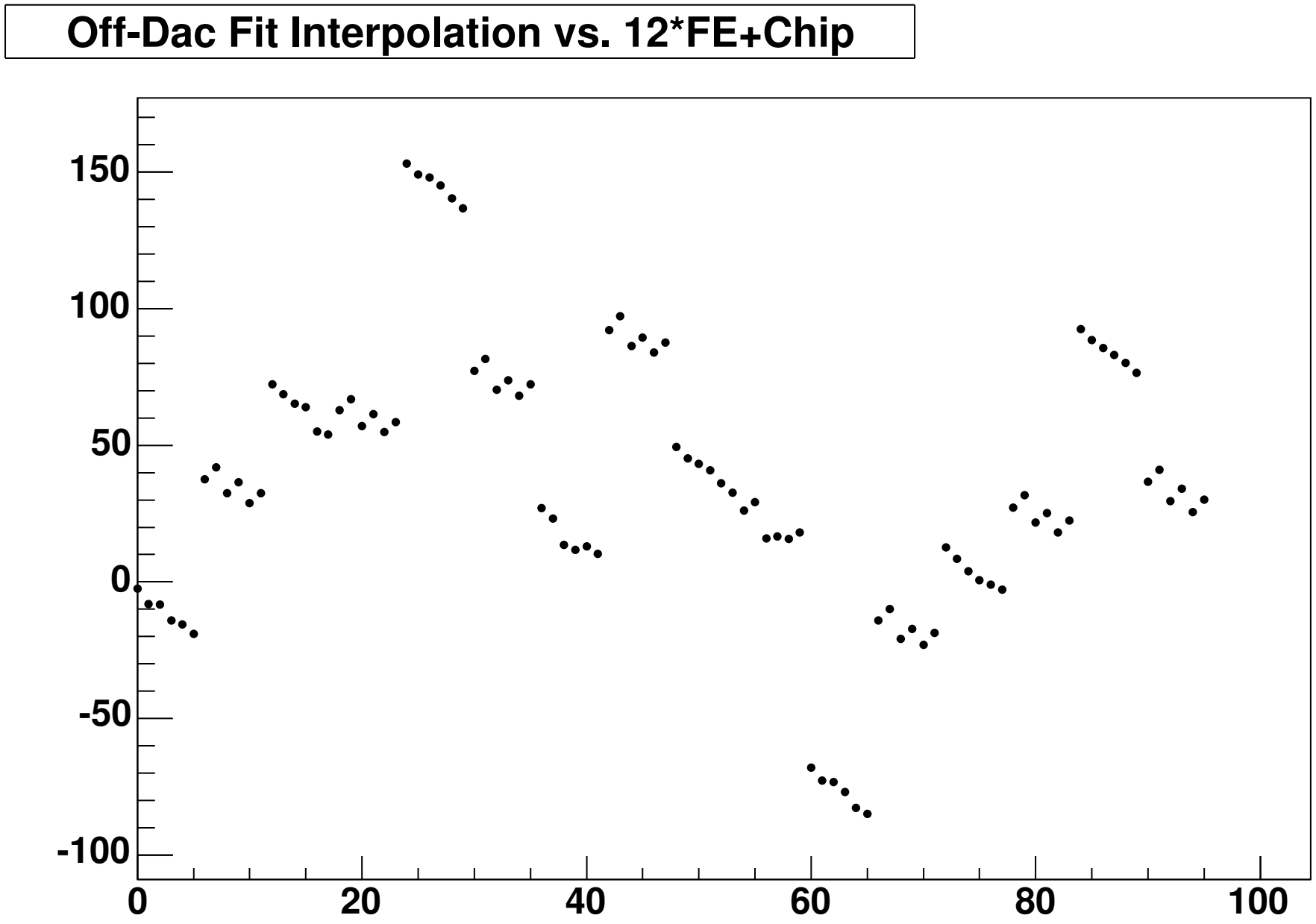

Disabled Dacs, Mean vs. 12*FE+Chip
80
60
40
20
0
-20
-40
0
20
40
60
80
100

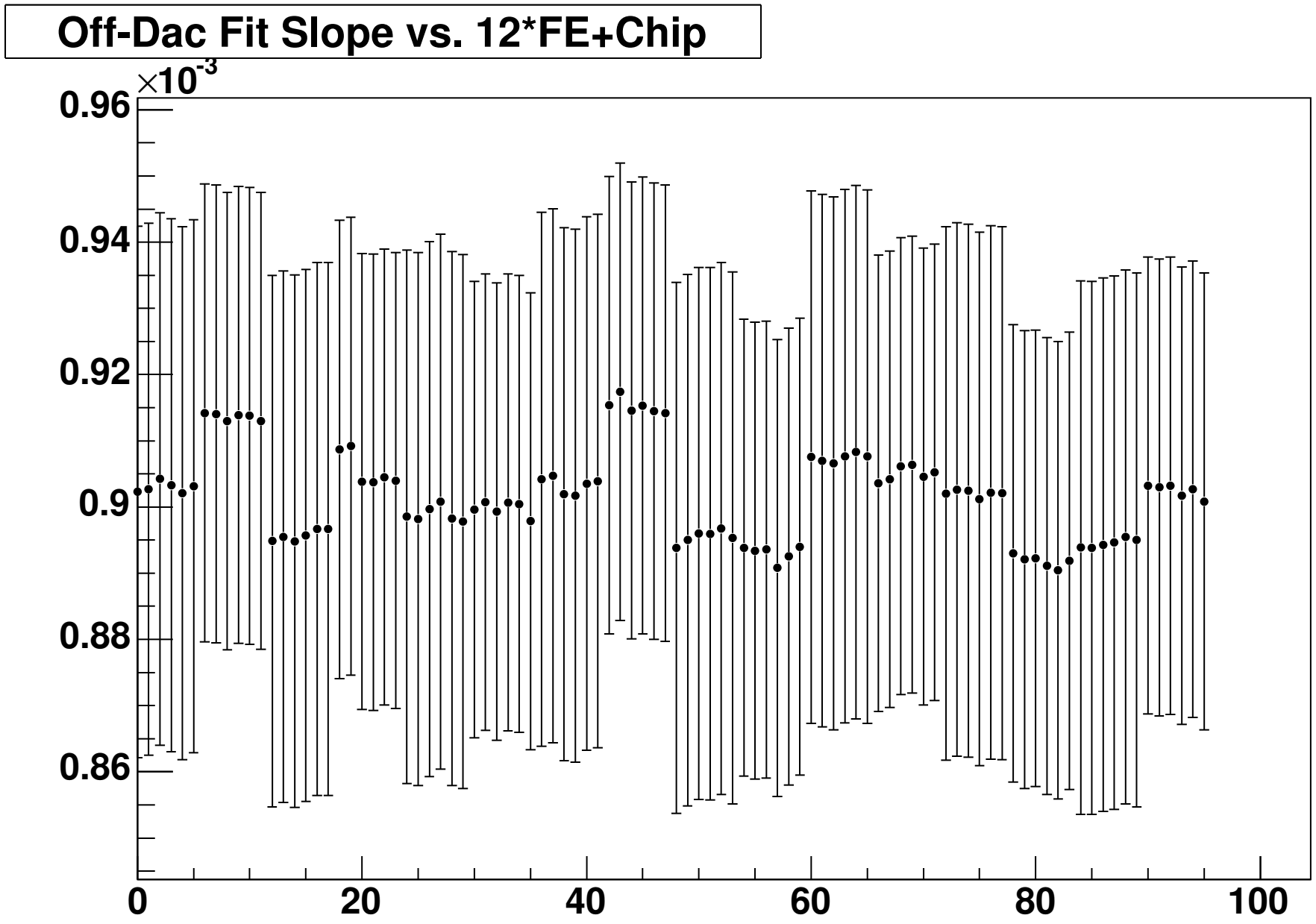

Disabled Dacs, Rms vs. 12*FE+Chip
1000
800
600
400
200
0
0
20
40
60
80
100

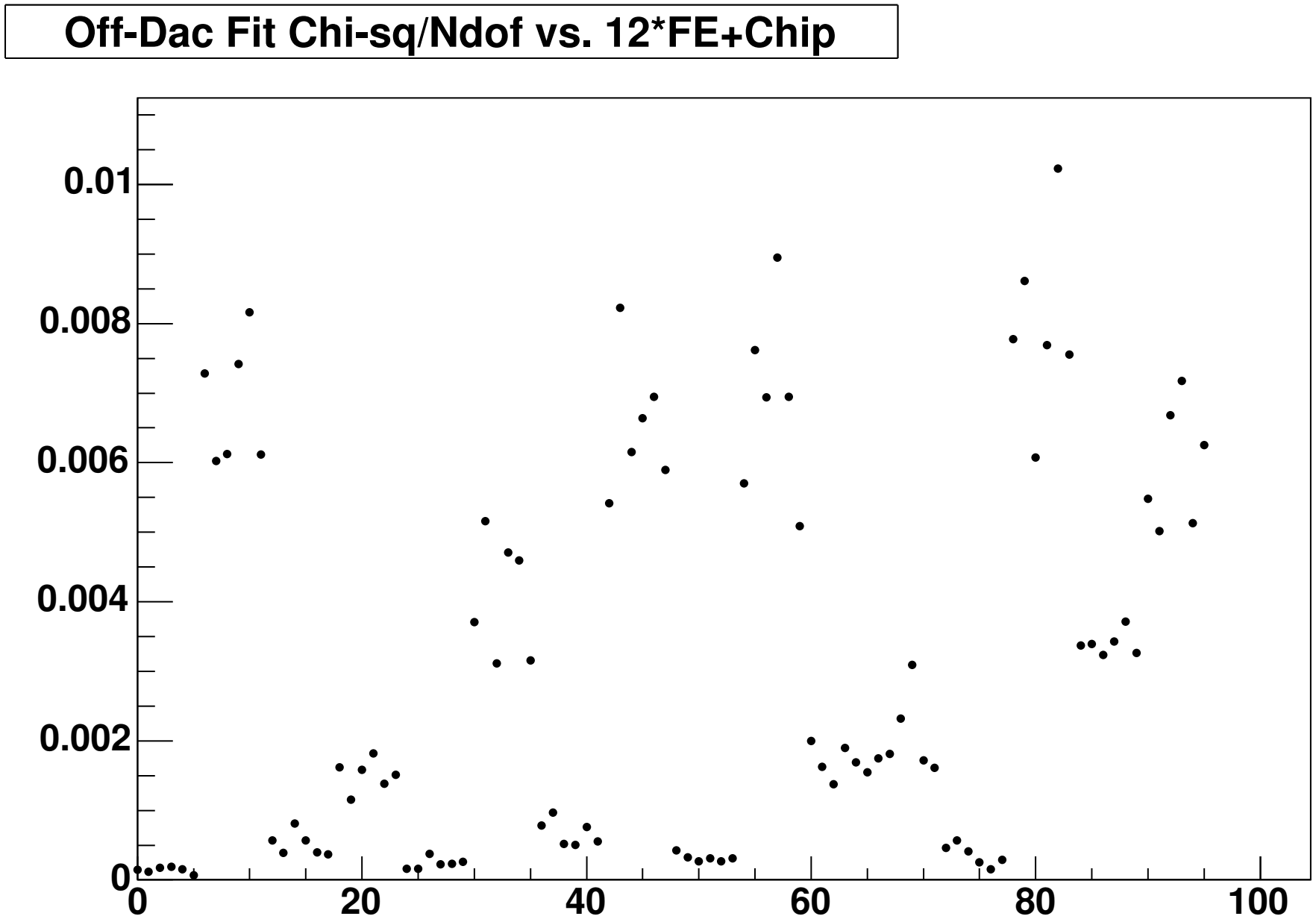

On-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100

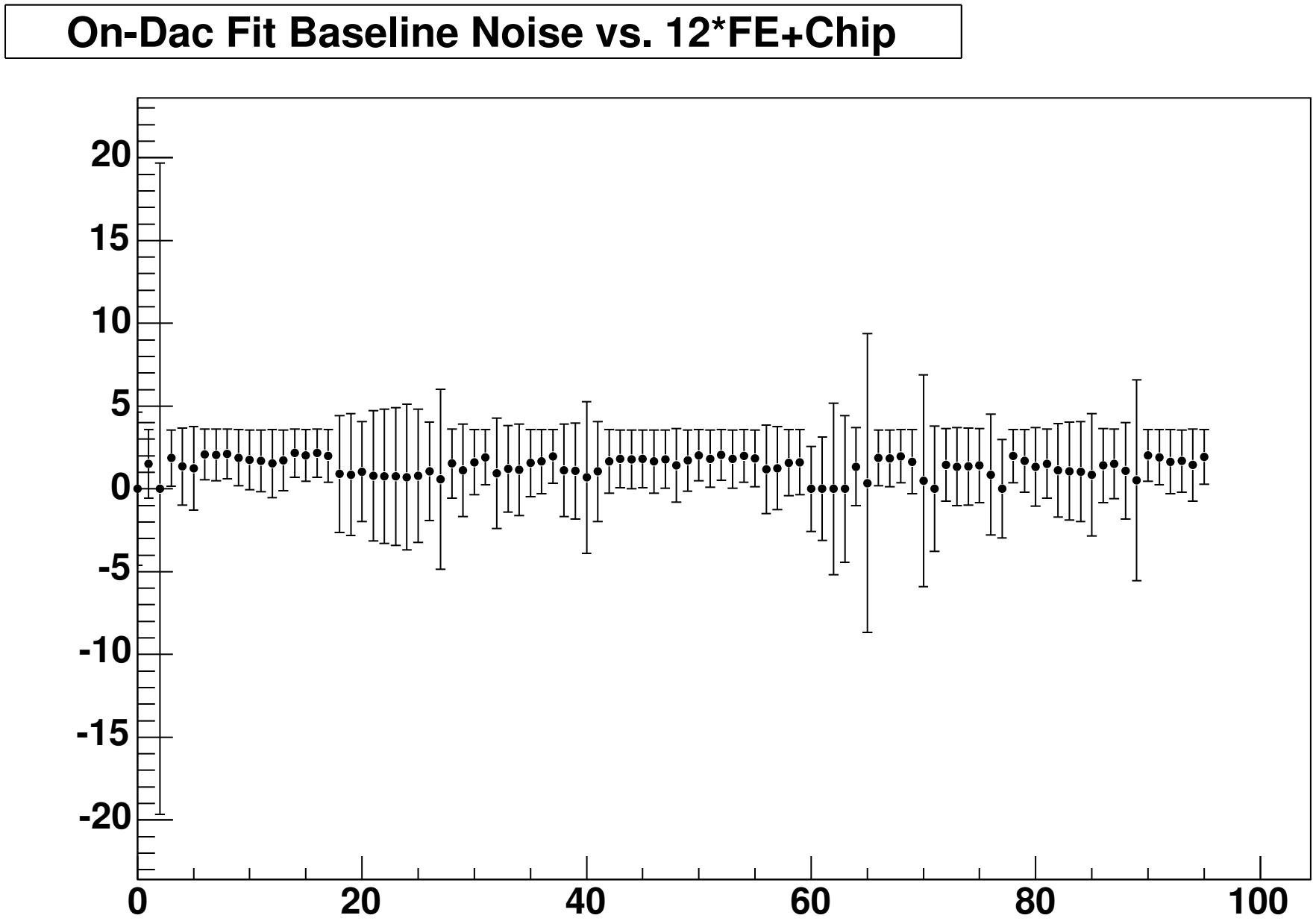

On-Dac Fit Slope vs. 12*FE+Chip
0.4515
0.451
0.4505
0.45
0.4495
0.449
0.4485
0
20
40
60
80
100

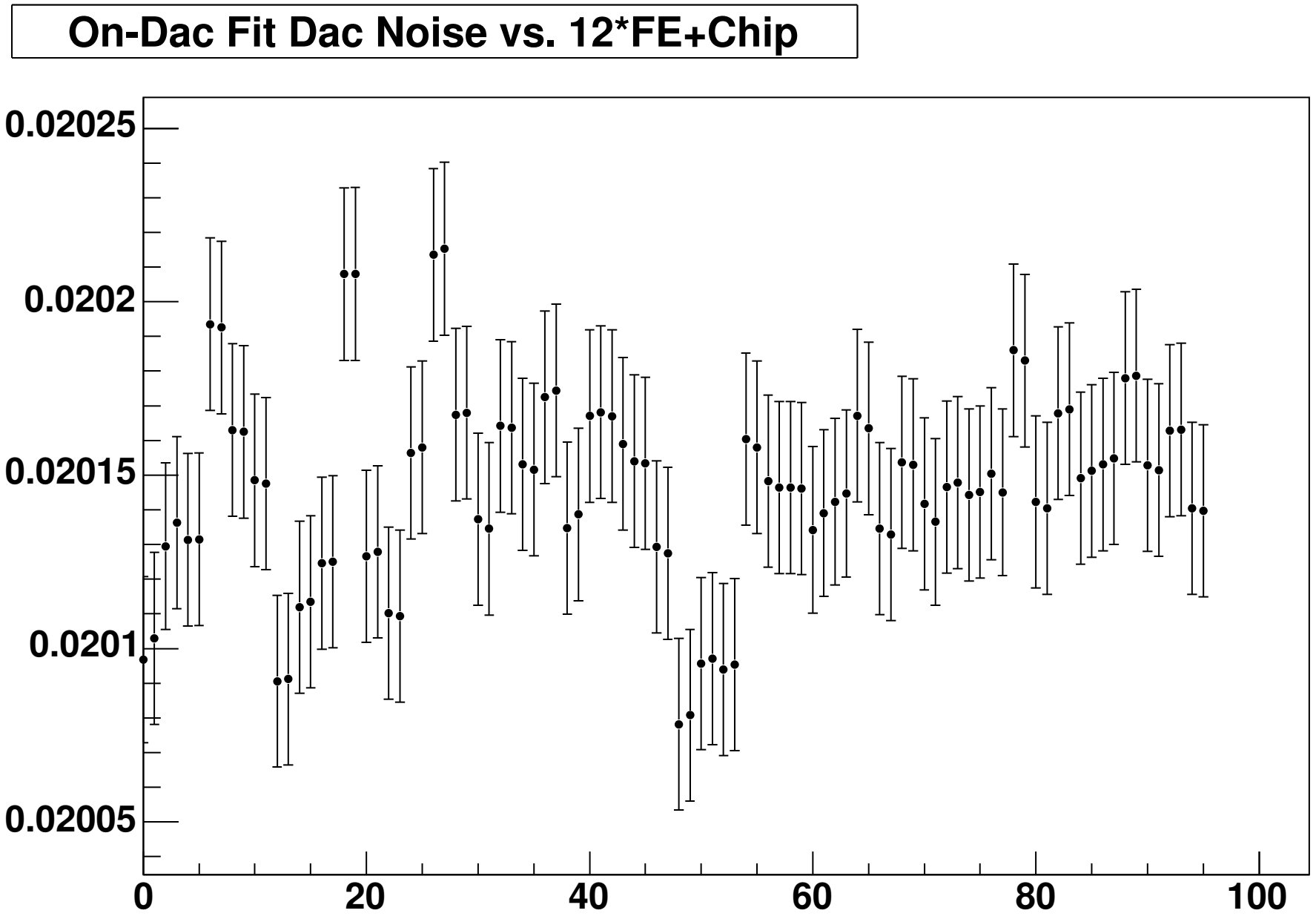

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100

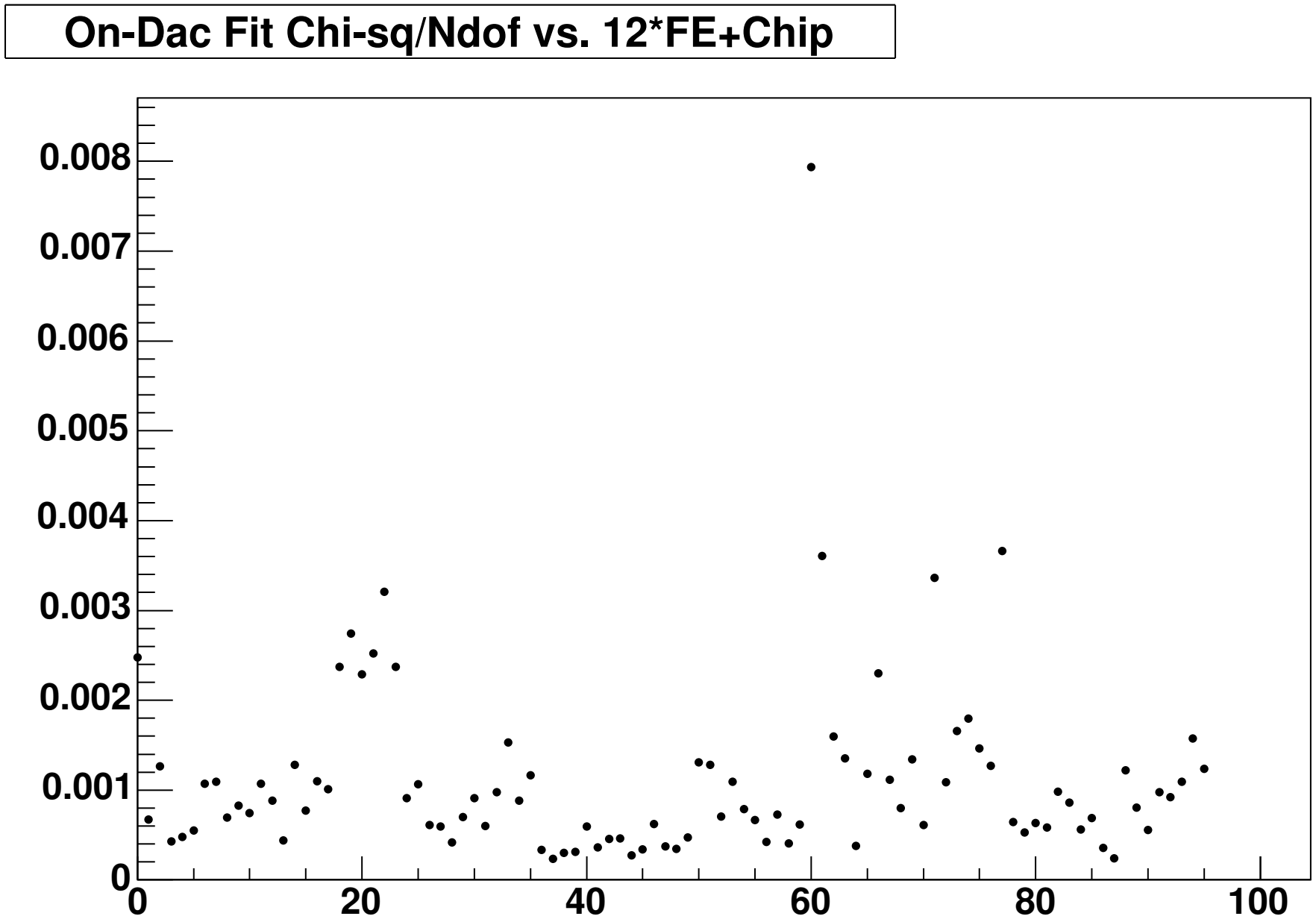

Off-Dac Fit Interpolation vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100

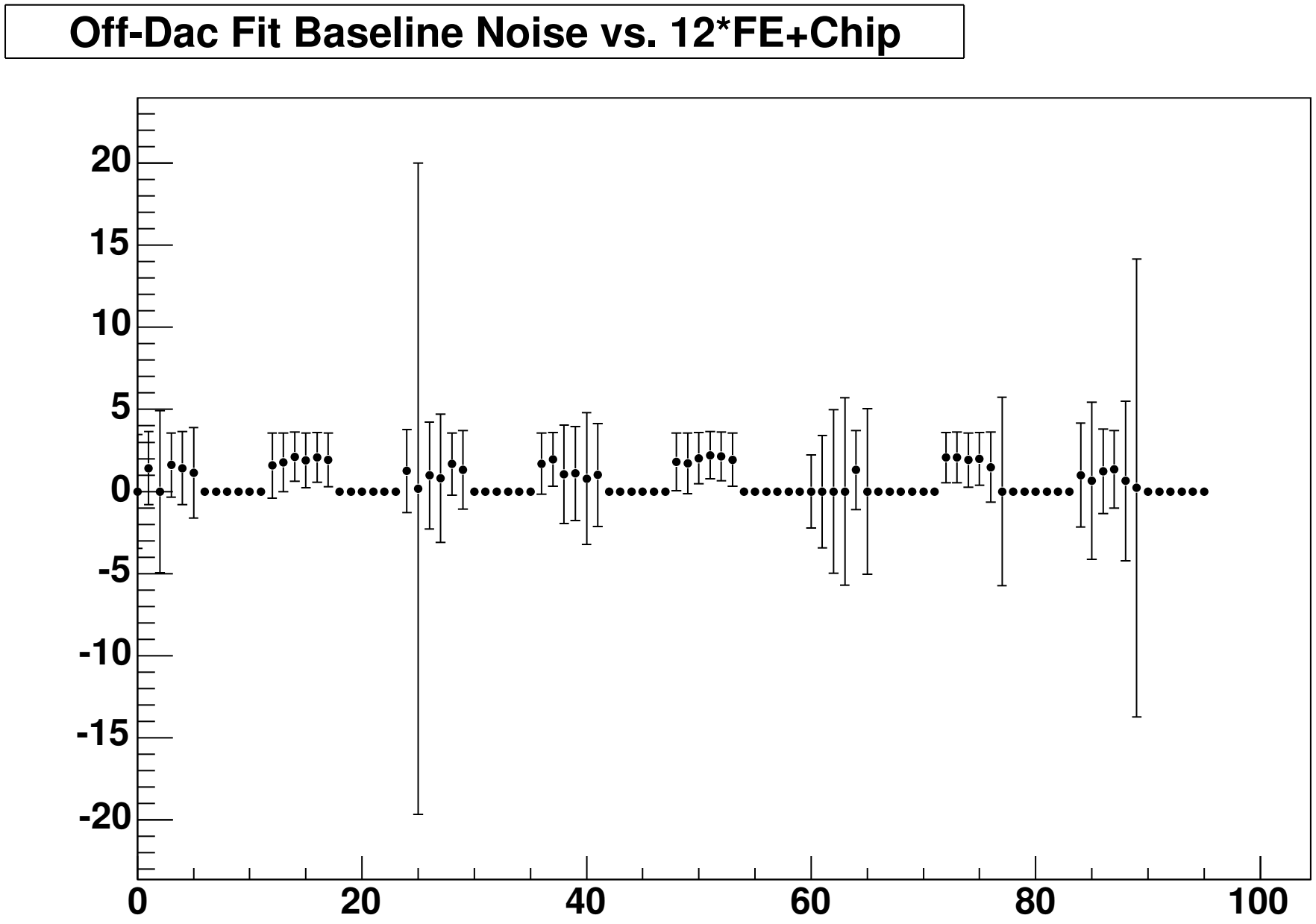

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-3
0.96
0.94
0.92
0.9
0.88
0.86
0
20
40
60
80
100

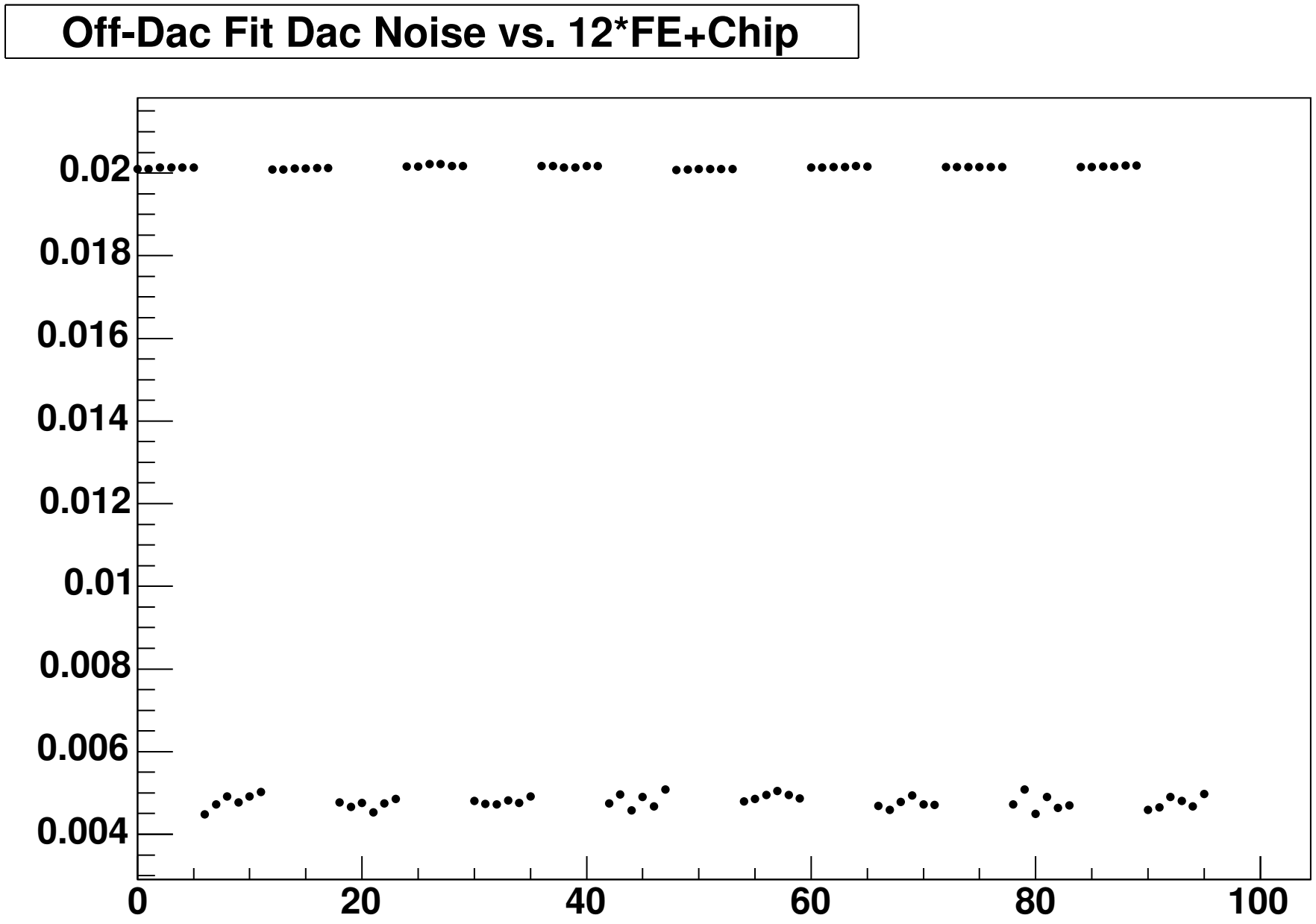

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0.01
0.008
0.006
0.004
0.002
0
0
20
40
60
80
100

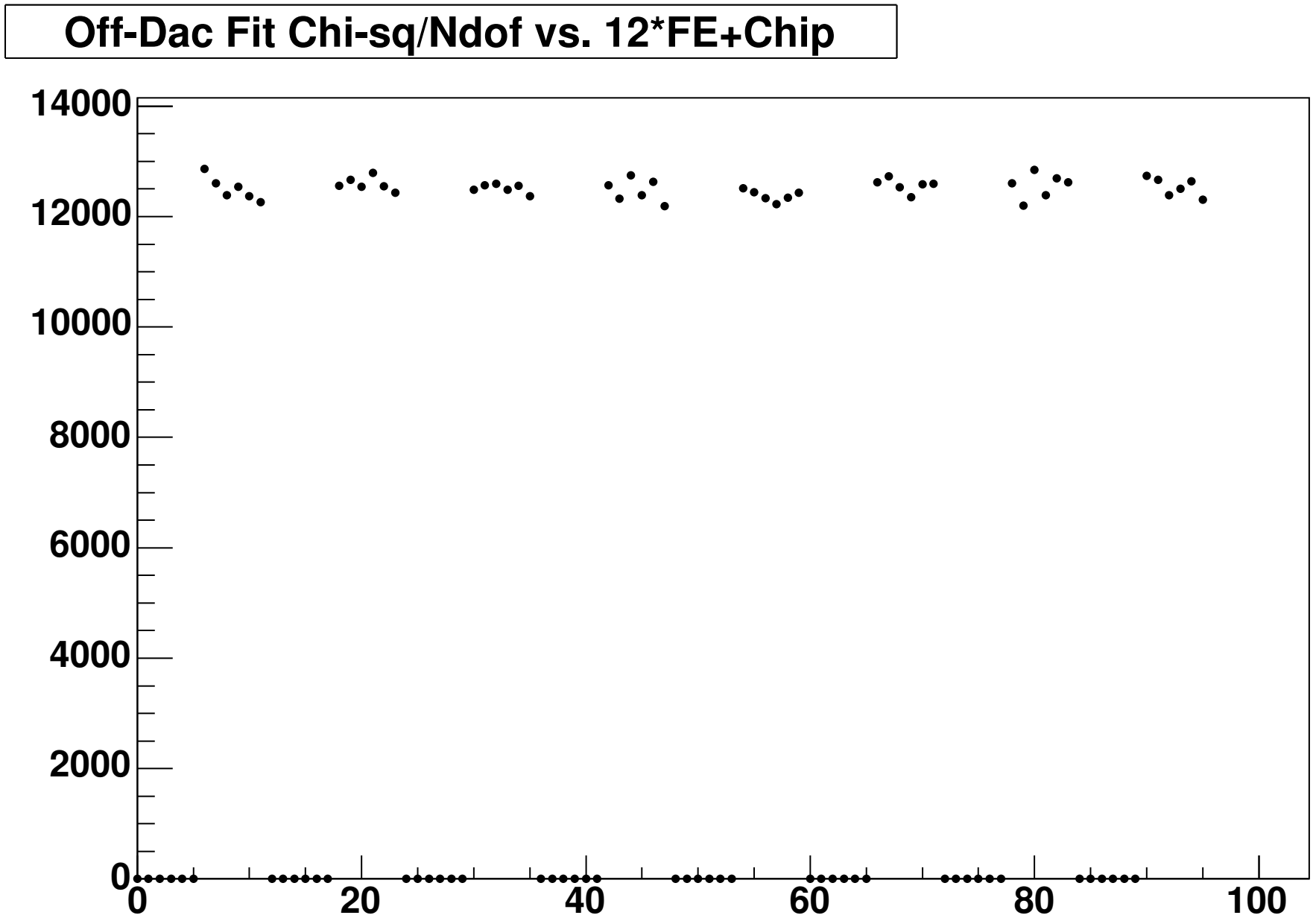

On-Dac Fit Baseline Noise vs. 12*FE+Chip
20
15
10
5
0
-5
-10
-15
-20
0
20
40
60
80
100

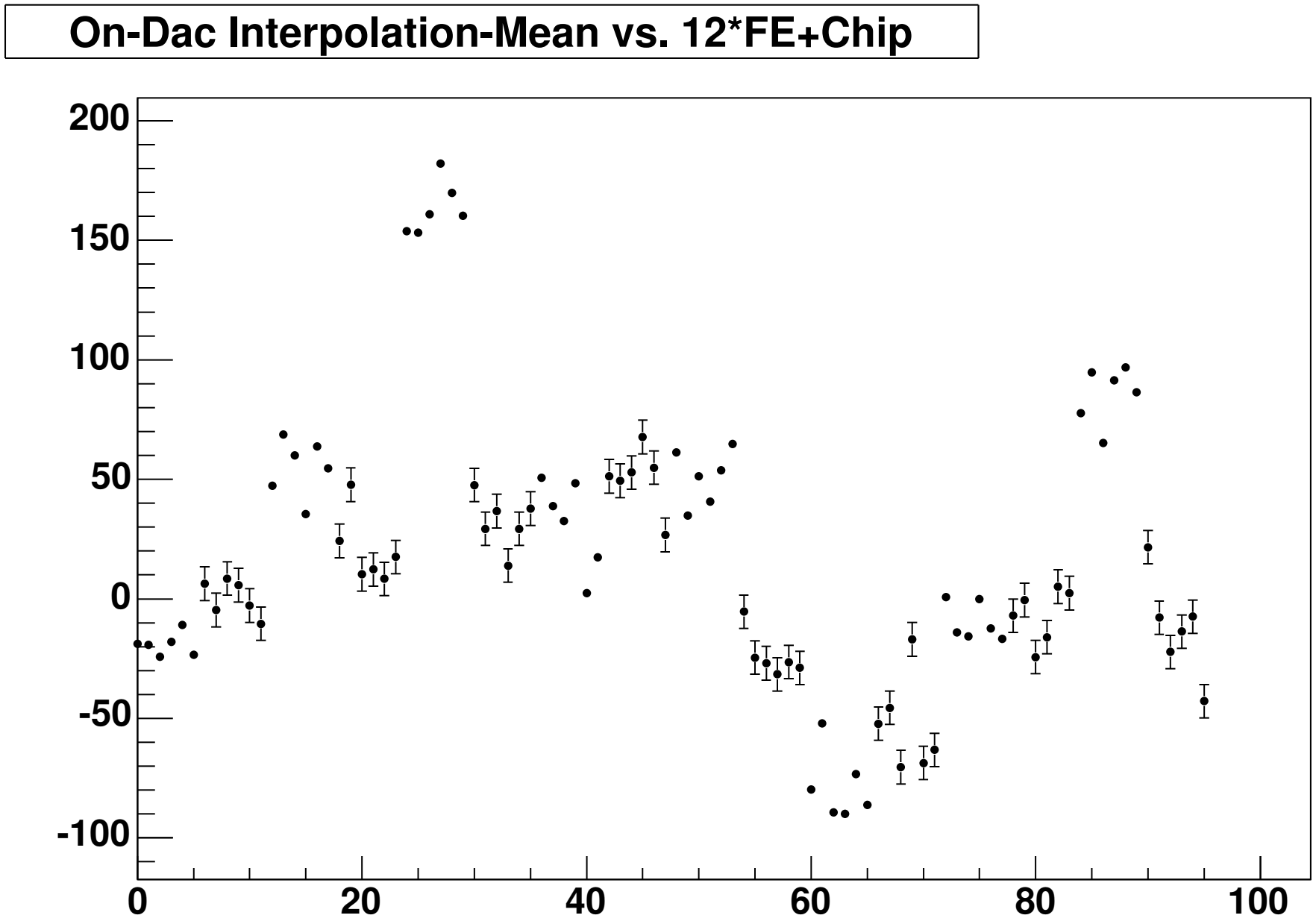

On-Dac Fit Dac Noise vs. 12*FE+Chip
0.02025
0.0202
0.02015
0.0201
0.02005
0
20
40
60
80
100

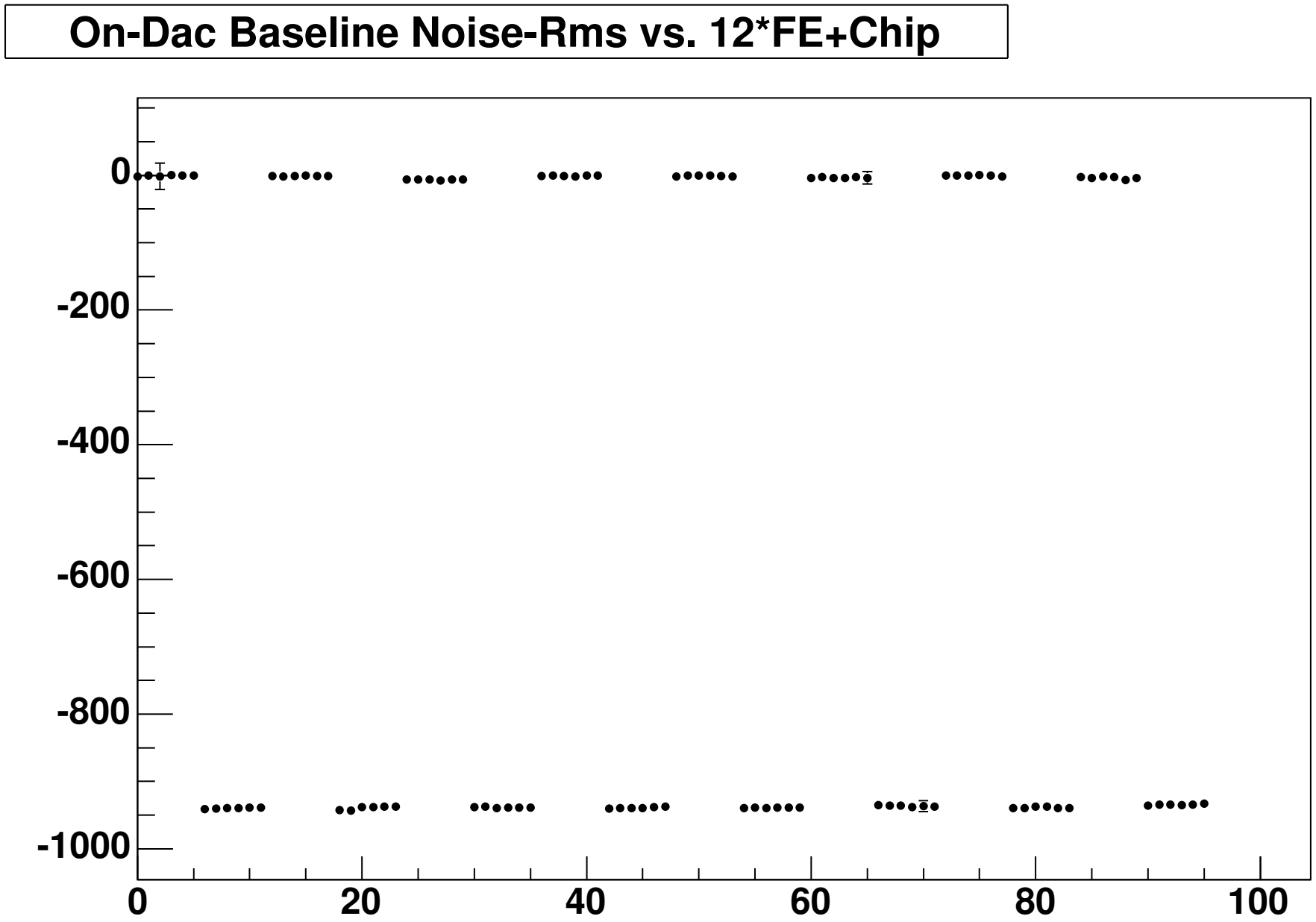

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
0
20
40
60
80
100

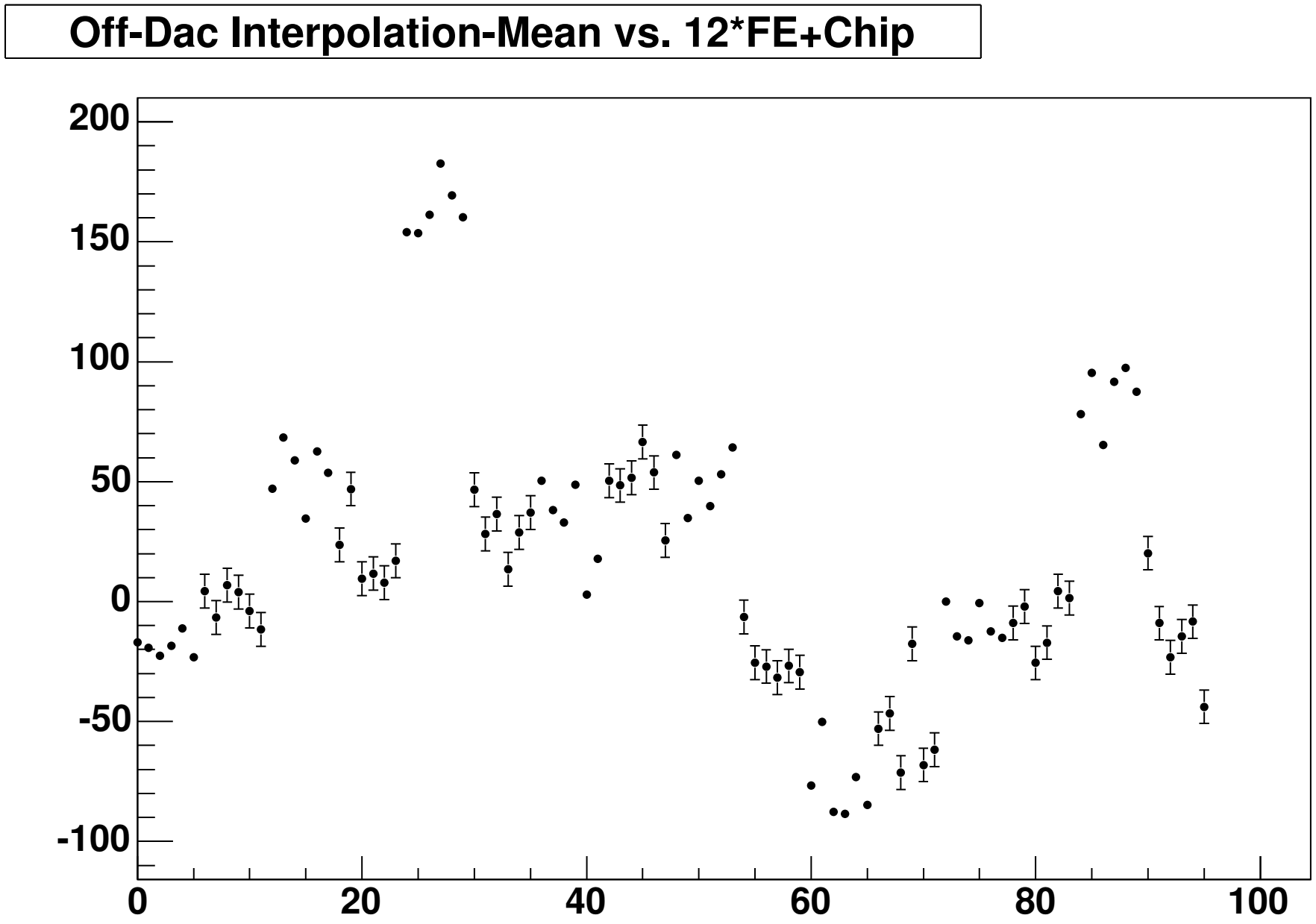

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
20
15
10
5
0
-5
-10
-15
-20
0
20
40
60
80
100

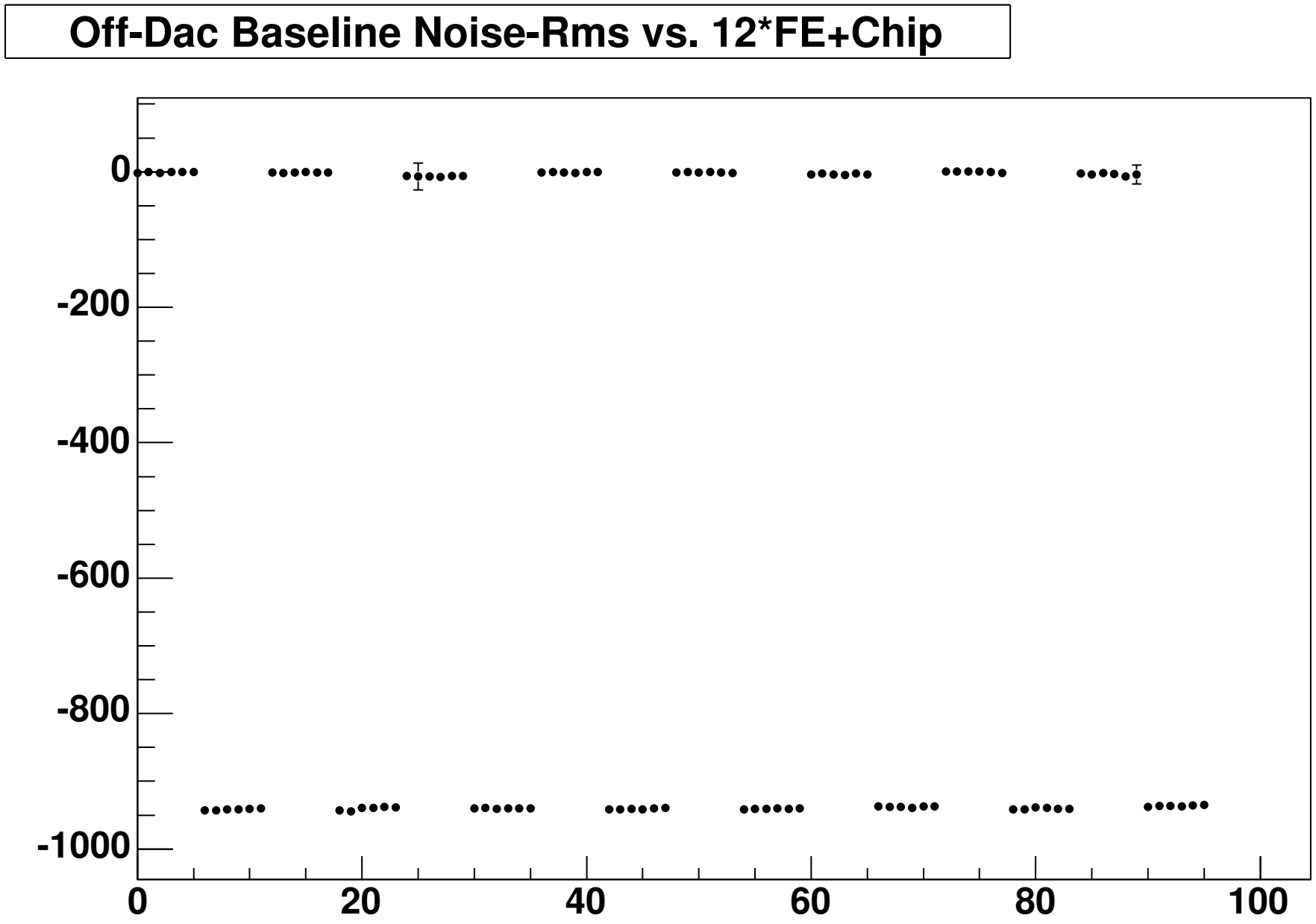

Off-Dac Fit Dac Noise vs. 12*FE+Chip
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
200
150
100
50
0
-50
-100
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-200
-400
-600
-800
-1000
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
200
150
100
50
0
-50
-100
0
20
40
60
80
100


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