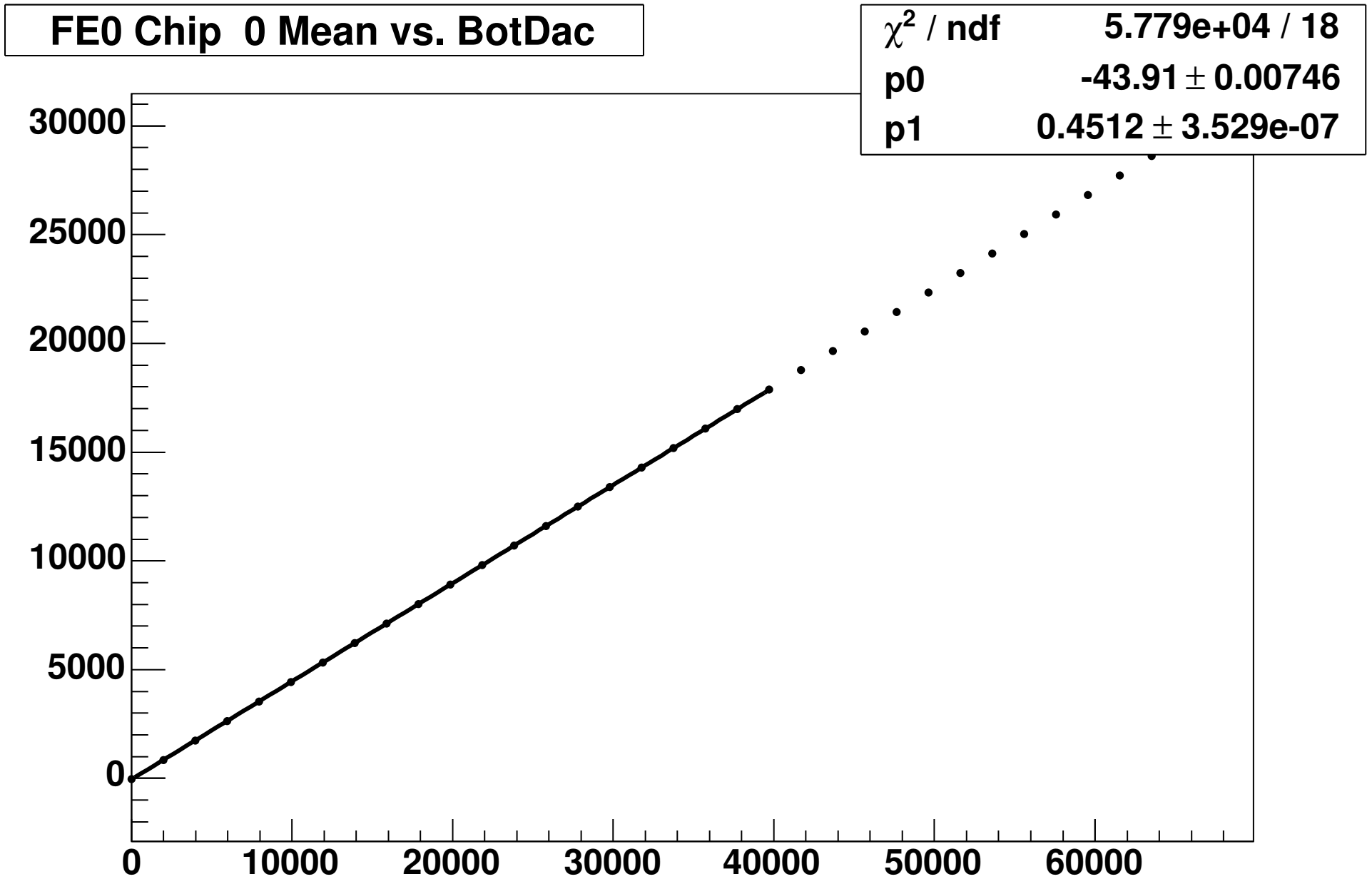
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 5.779e+04 / 18
p0 -43.91 ± 0.00746
p1 0.4512 ± 3.529e-07
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25000
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10000
5000
0
0
10000
20000
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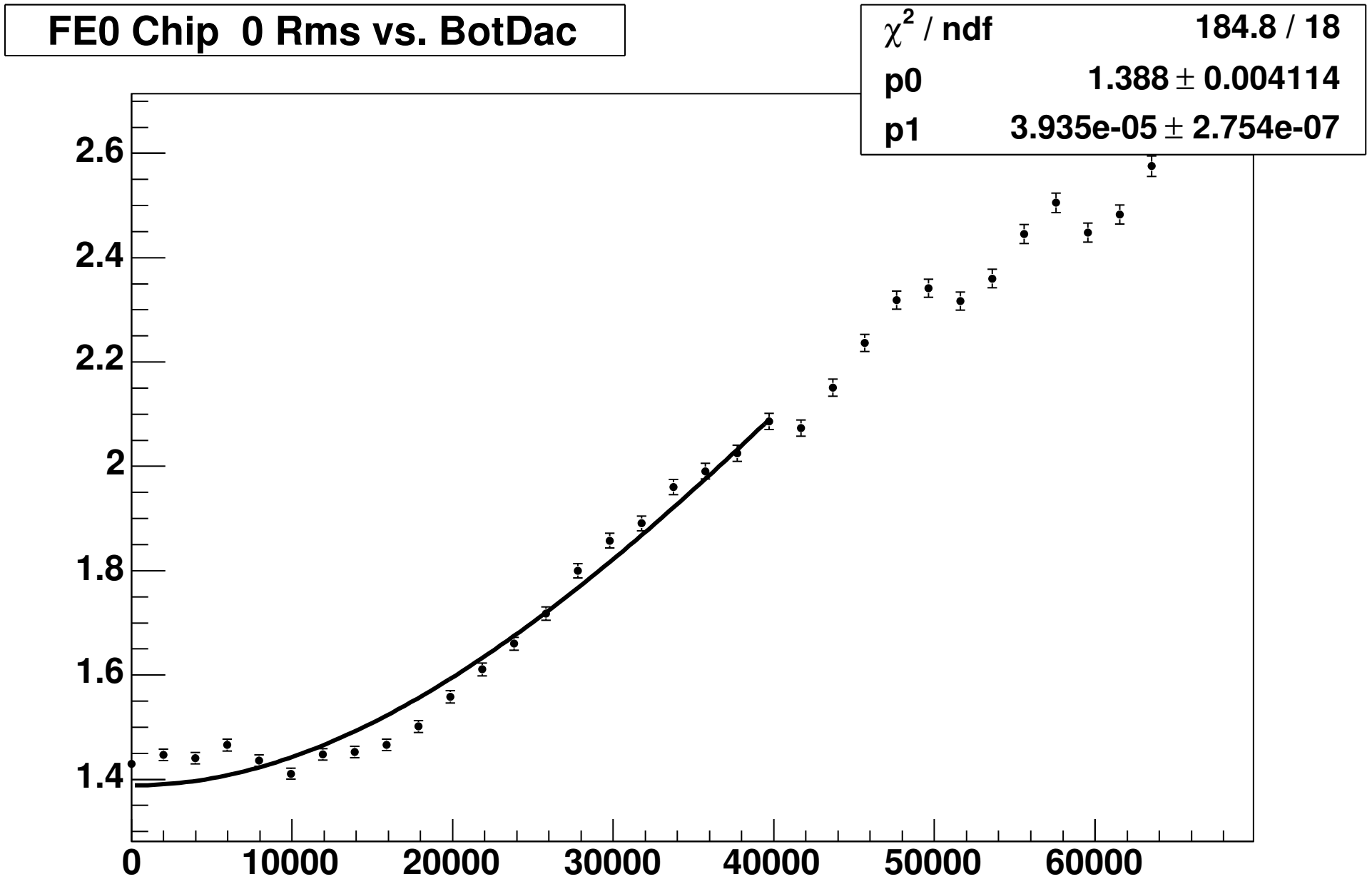
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 184.8 / 18
p0 1.388 ± 0.004114
p1 3.935e-05 ± 2.754e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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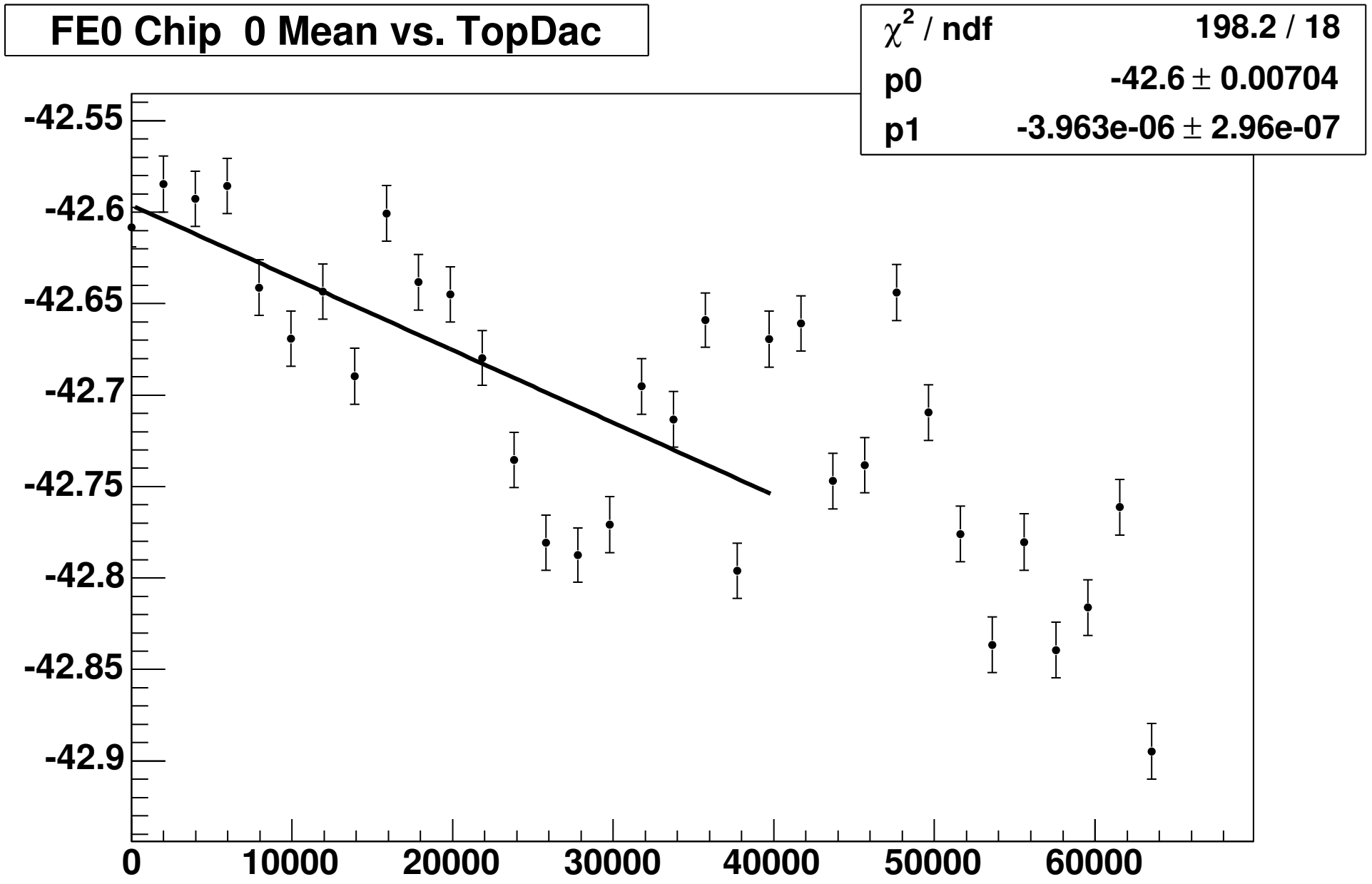
FE0 Chip 0 Mean vs. TopDac
χ^2 / ndf 198.2 / 18
p0 -42.6 ± 0.00704
p1 -3.963e-06 ± 2.96e-07
-42.55
-42.6
-42.65
-42.7
-42.75
-42.8
-42.85
-42.9
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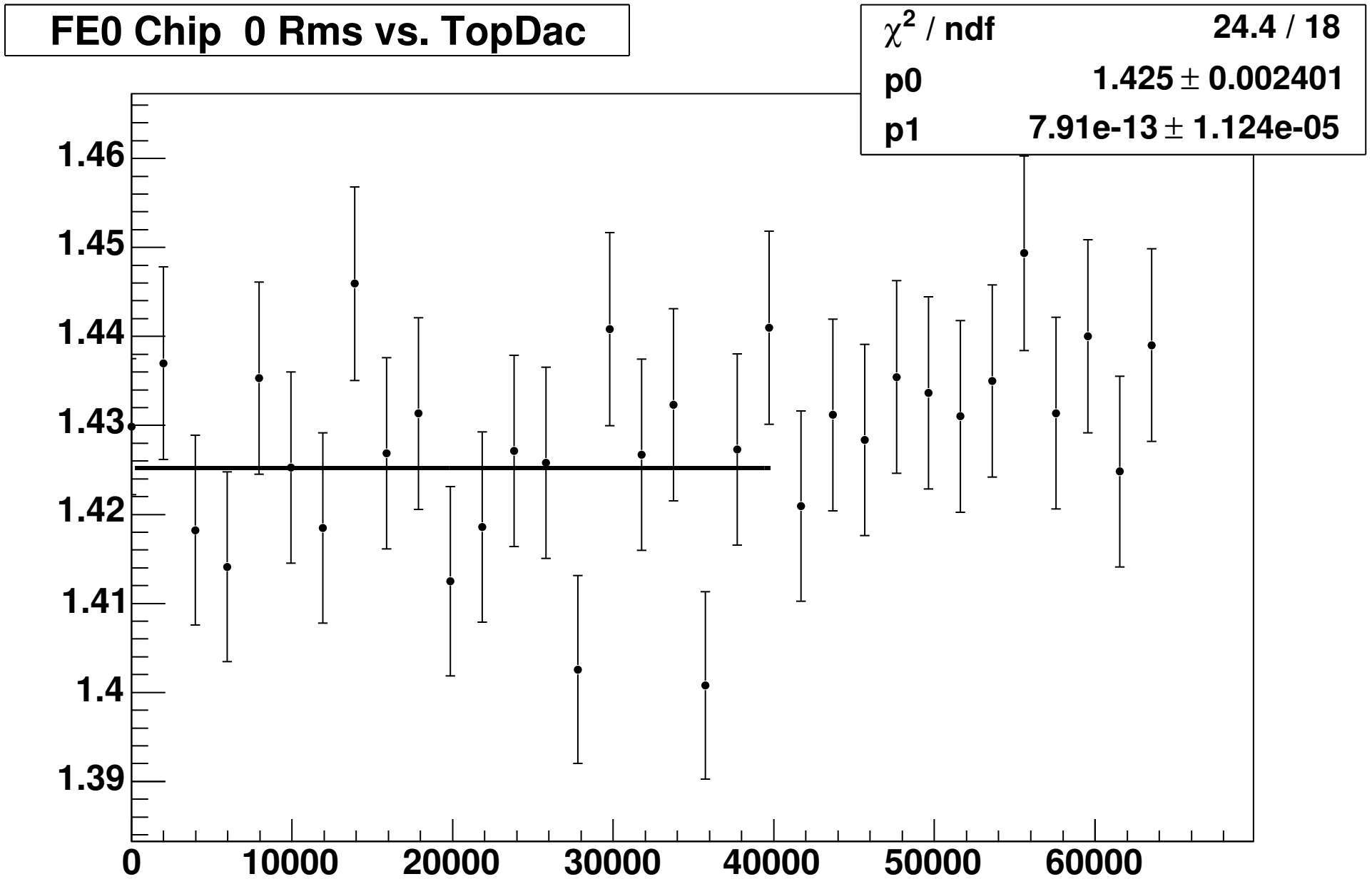
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 24.4 / 18
p0 1.425 ± 0.002401
p1 7.91e-13 ± 1.124e-05
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
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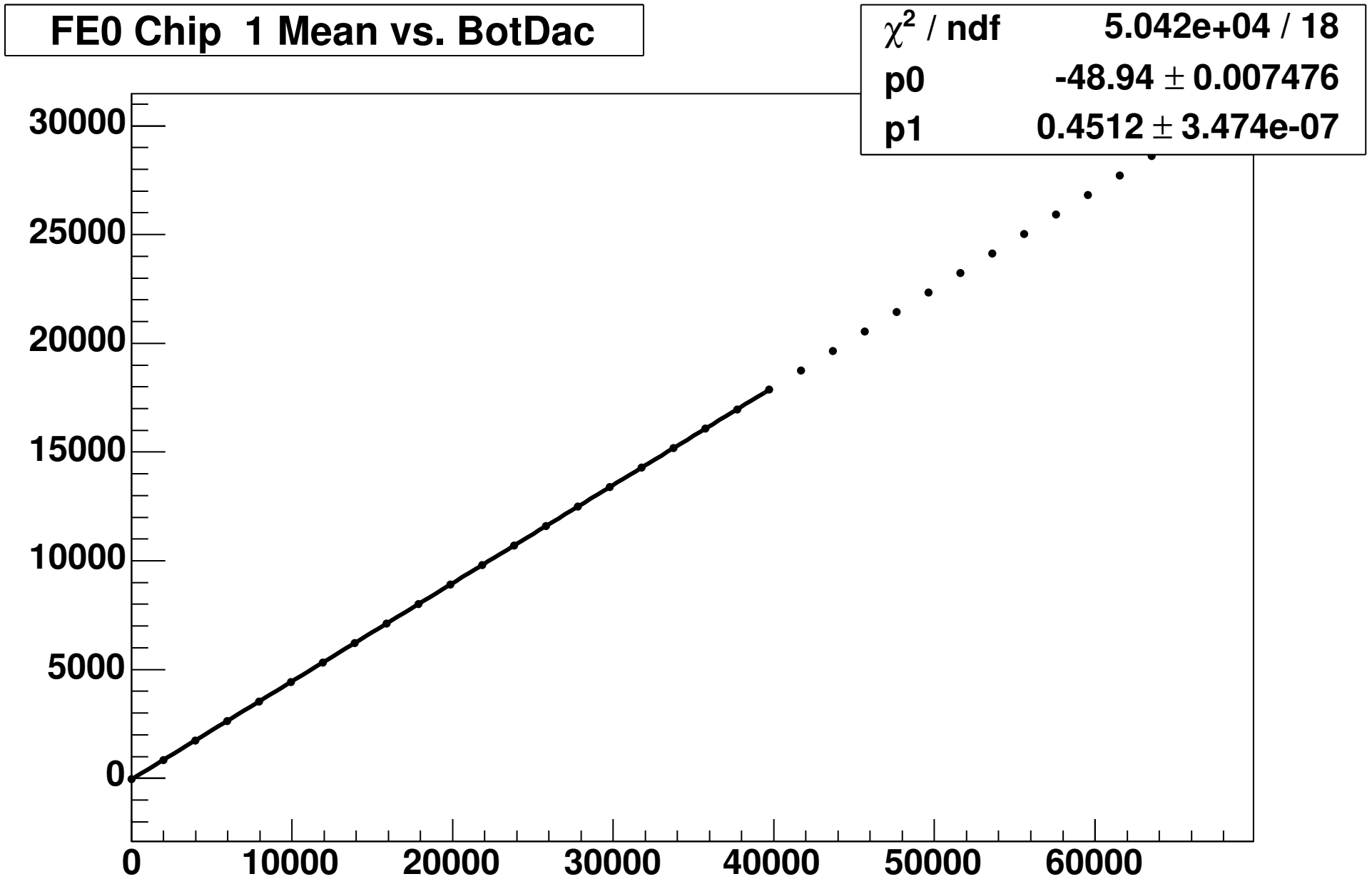
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 5.042e+04 / 18
p0 -48.94 ± 0.007476
p1 0.4512 ± 3.474e-07
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15000
10000
5000
0
0
10000
20000
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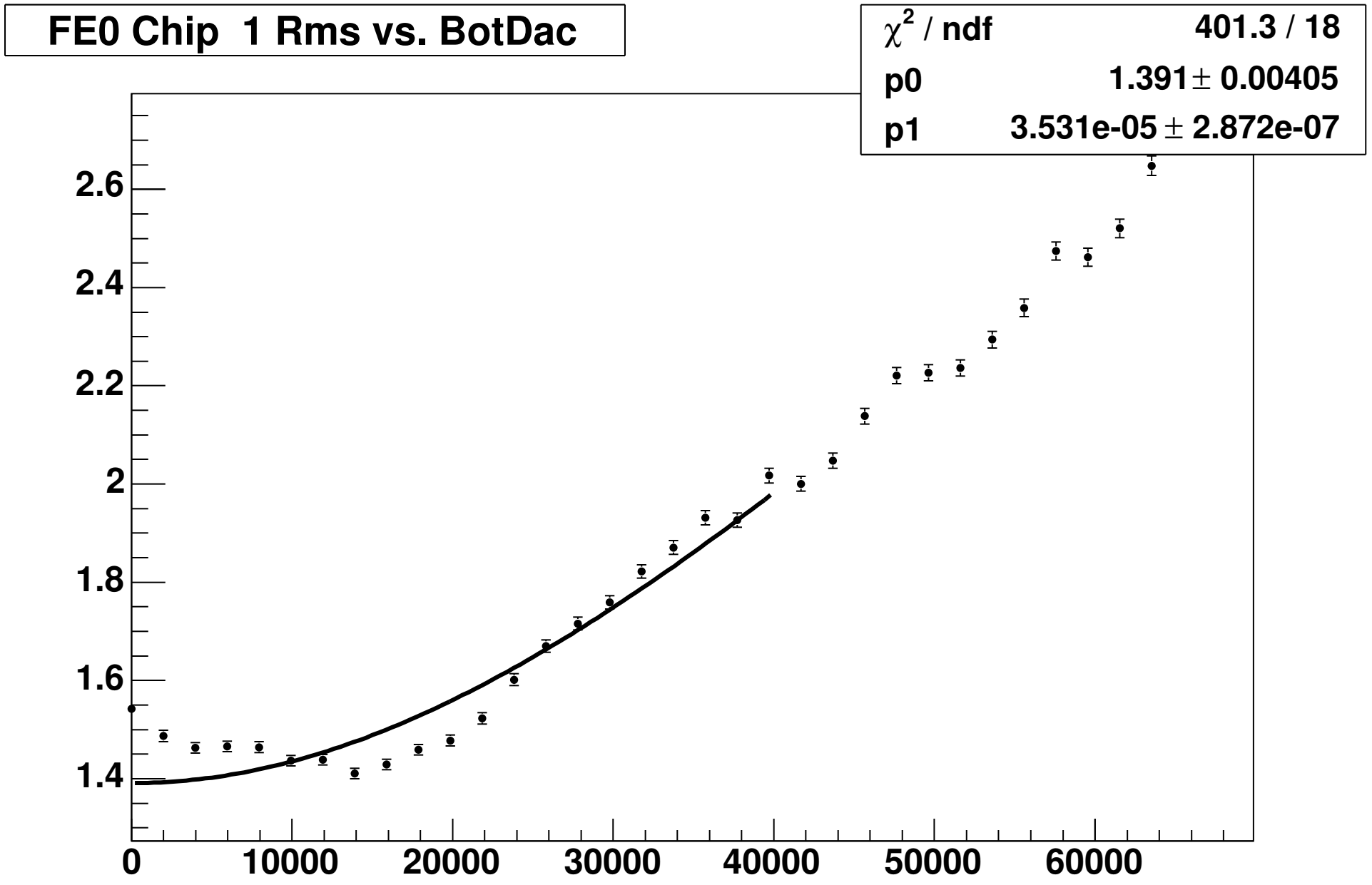
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 401.3 / 18
p0 1.391 ± 0.00405
p1 3.531e-05 ± 2.872e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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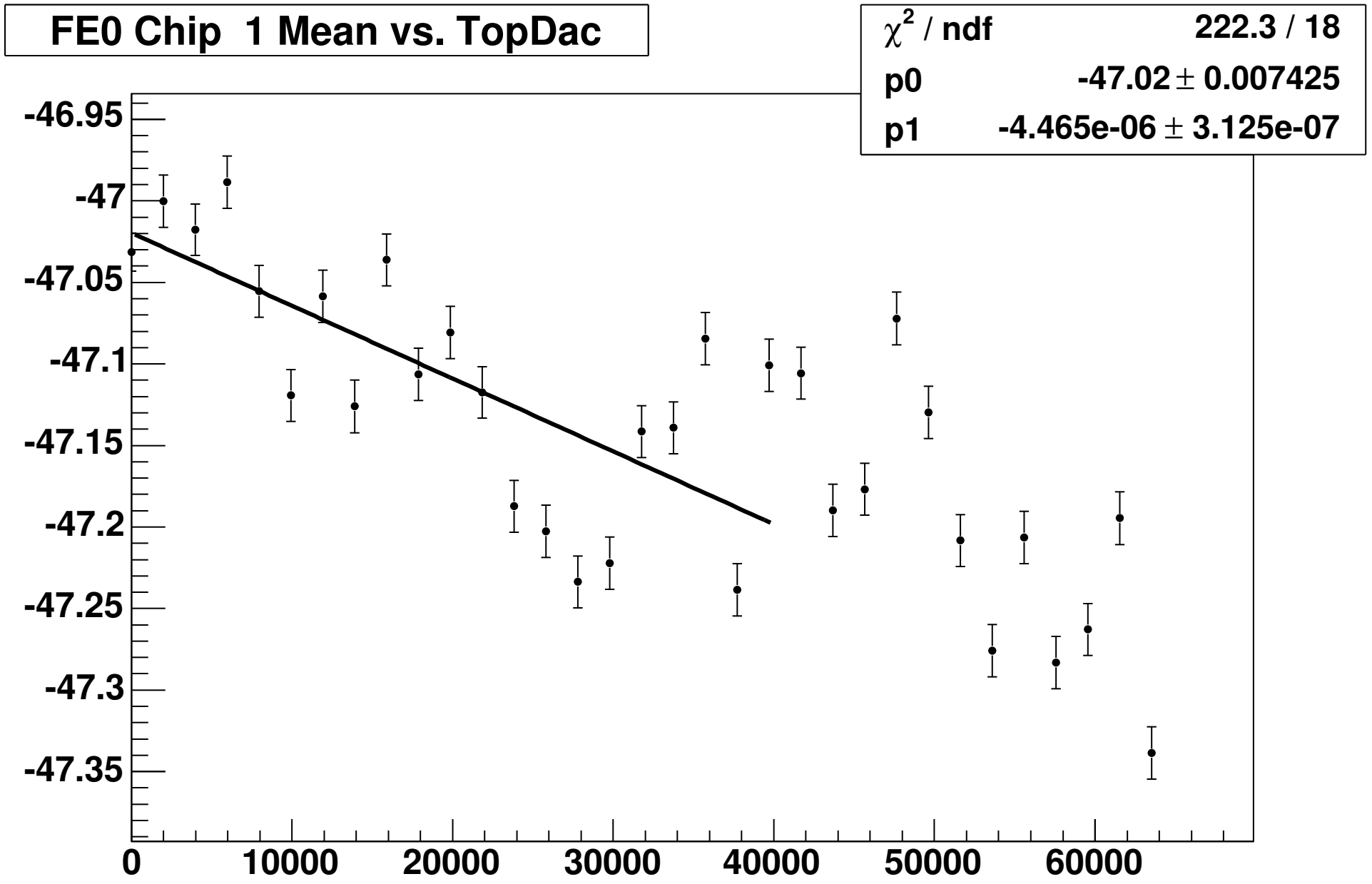
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 222.3 / 18
p0 -47.02 ± 0.007425
p1 -4.465e-06 ± 3.125e-07
-46.95
-47
-47.05
-47.1
-47.15
-47.2
-47.25
-47.3
-47.35
0
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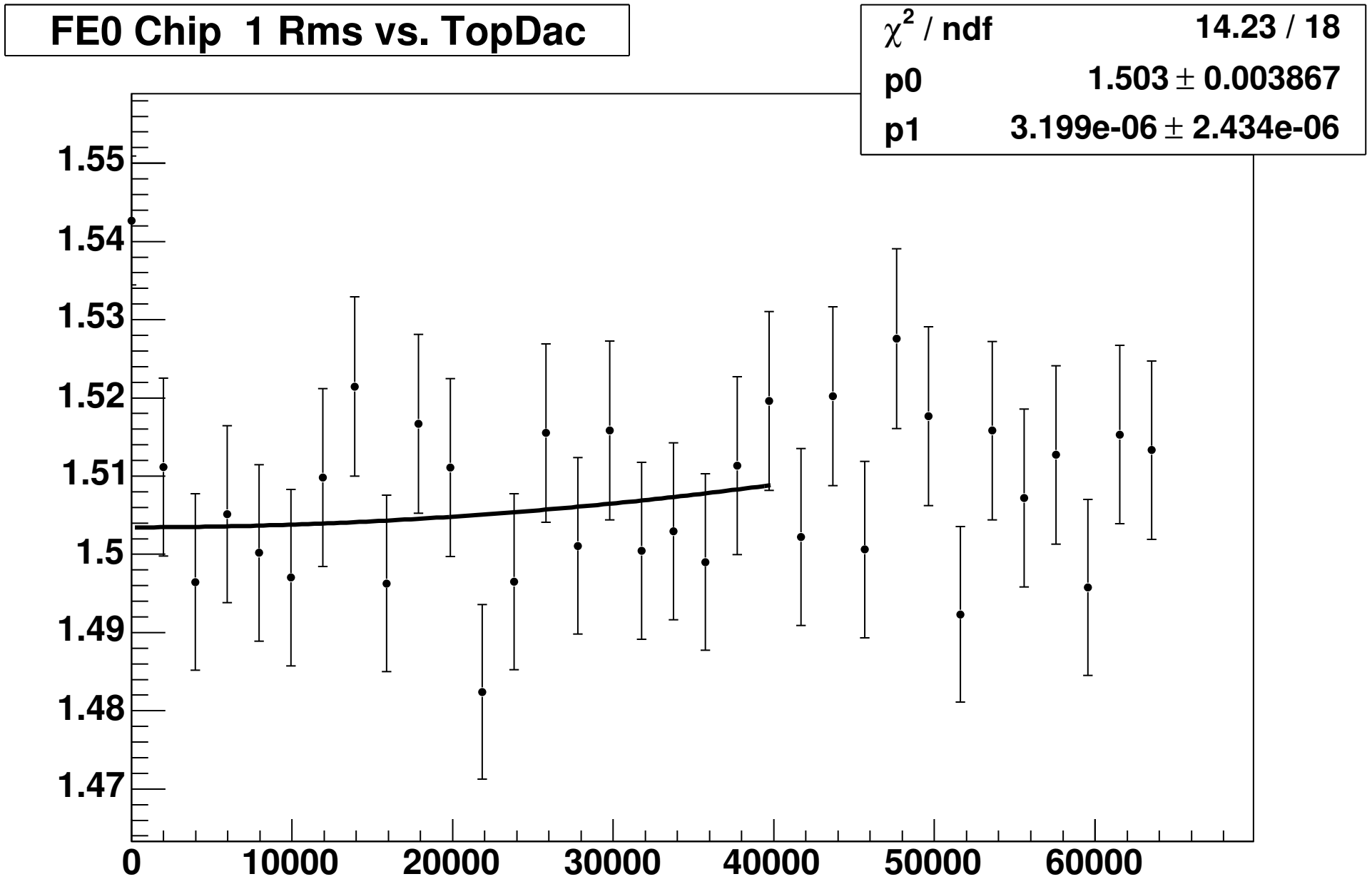
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 14.23 / 18
p0 1.503 ± 0.003867
p1 3.199e-06 ± 2.434e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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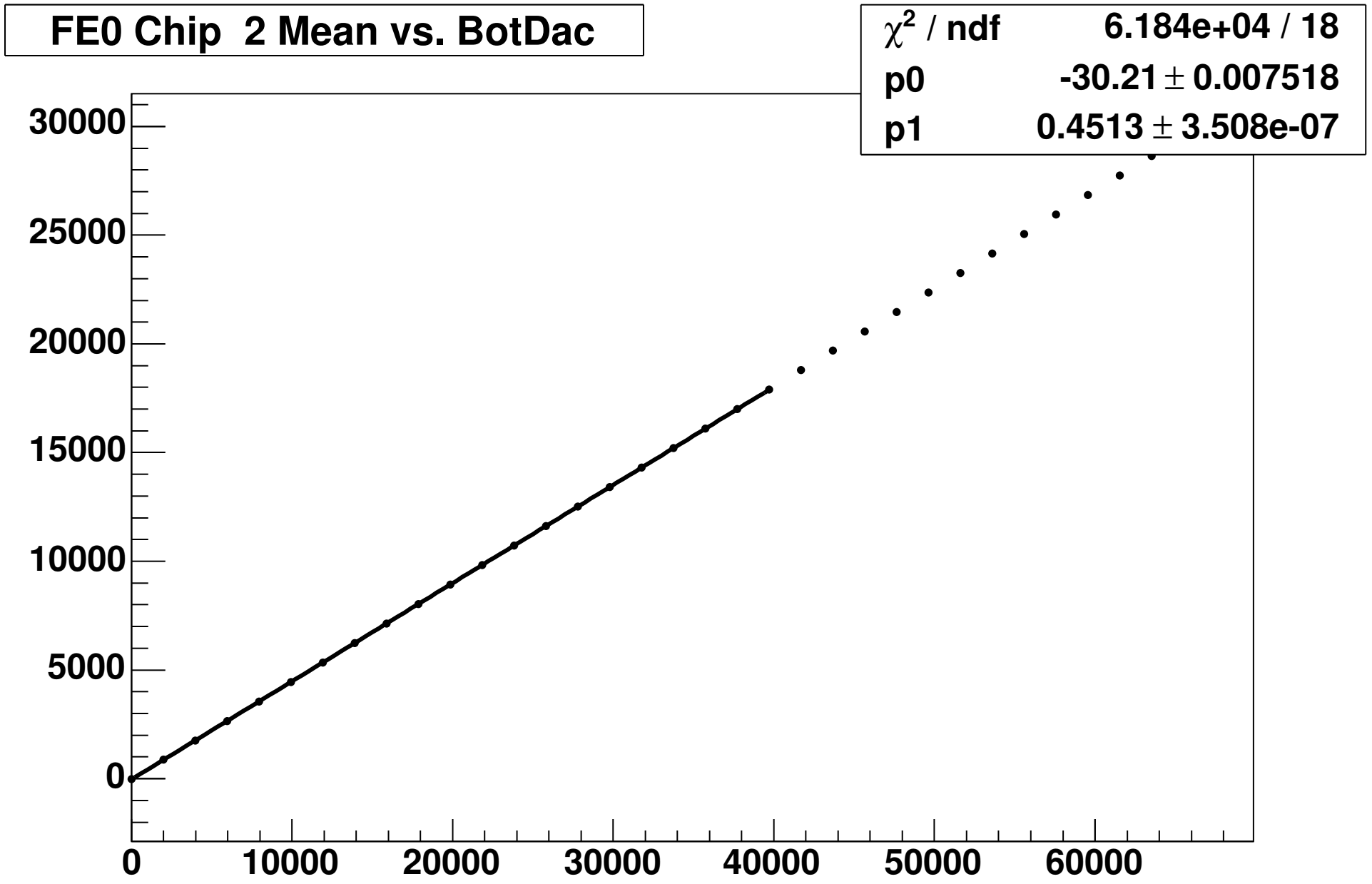
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 6.184e+04 / 18
p0 -30.21 ± 0.007518
p1 0.4513 ± 3.508e-07
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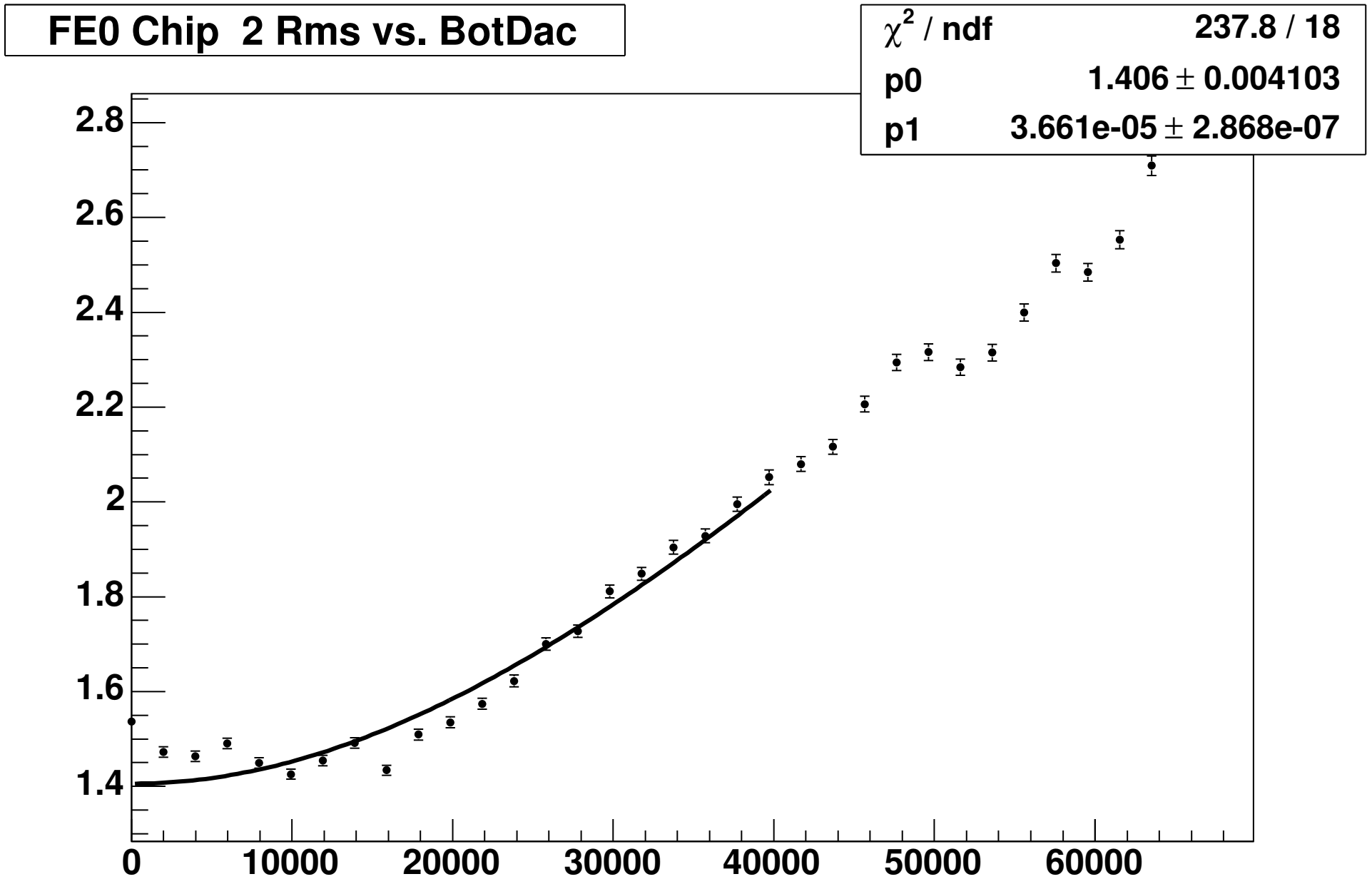
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 237.8 / 18
p0 1.406 ± 0.004103
p1 3.661e-05 ± 2.868e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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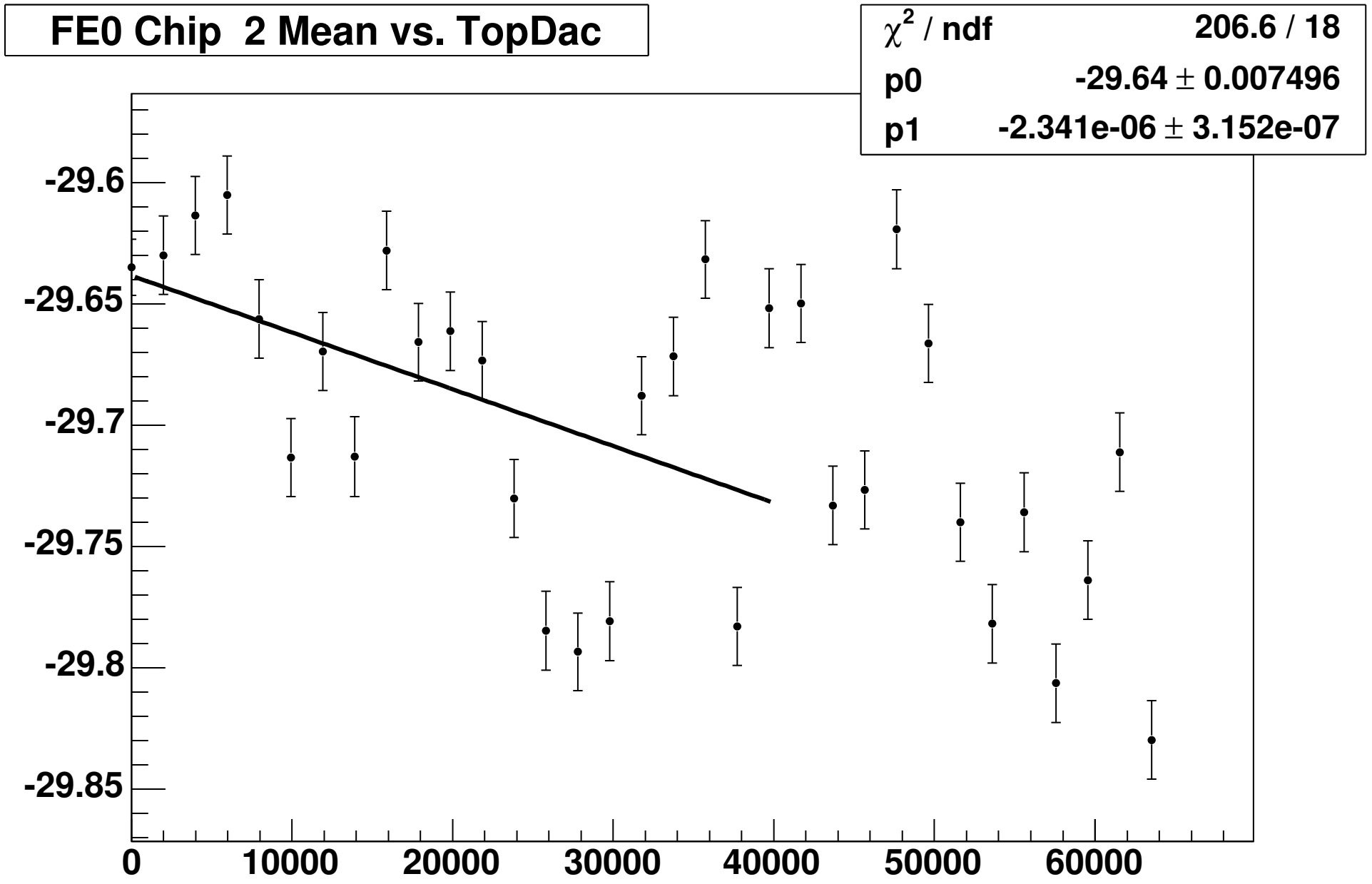
60000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 206.6 / 18
p0 -29.64 ± 0.007496
p1 -2.341e-06 ± 3.152e-07
-29.6
-29.65
-29.7
-29.75
-29.8
-29.85
0
10000
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40000
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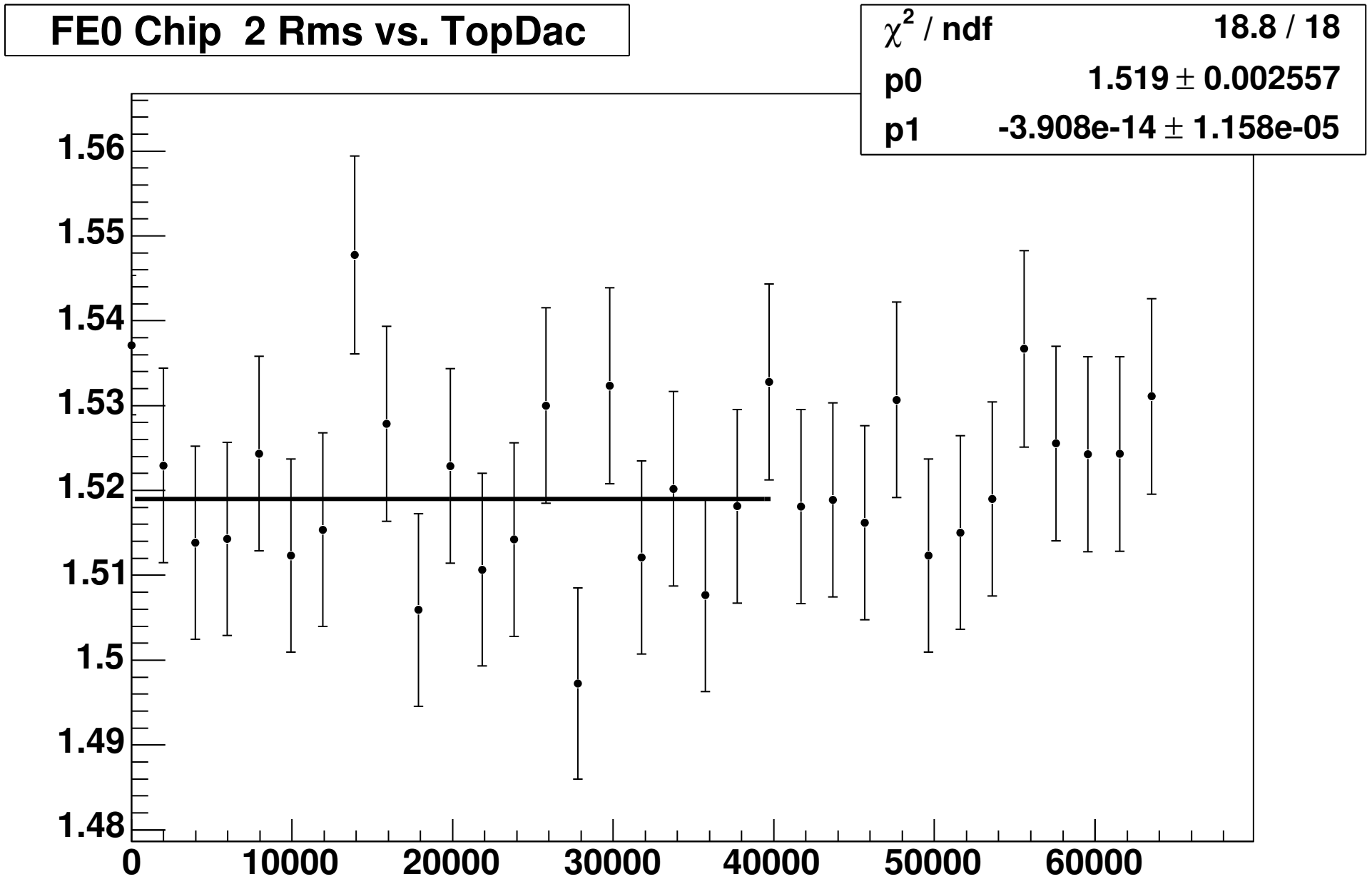
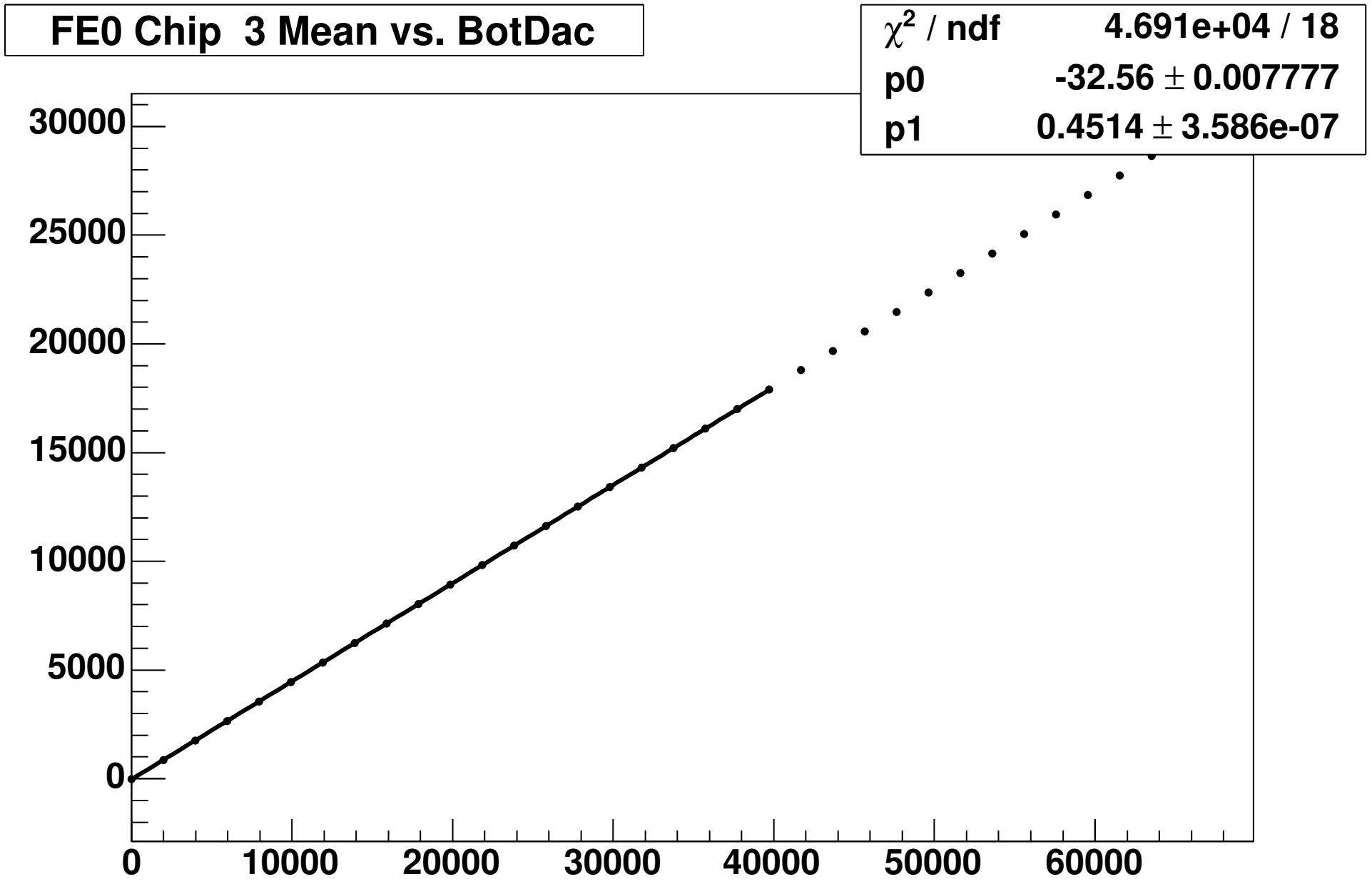
60000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 18.8 / 18
p0 1.519 ± 0.002557
p1 -3.908e-14 ± 1.158e-05
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 4.691e+04 / 18
p0 -32.56 ± 0.007777
p1 0.4514 ± 3.586e-07
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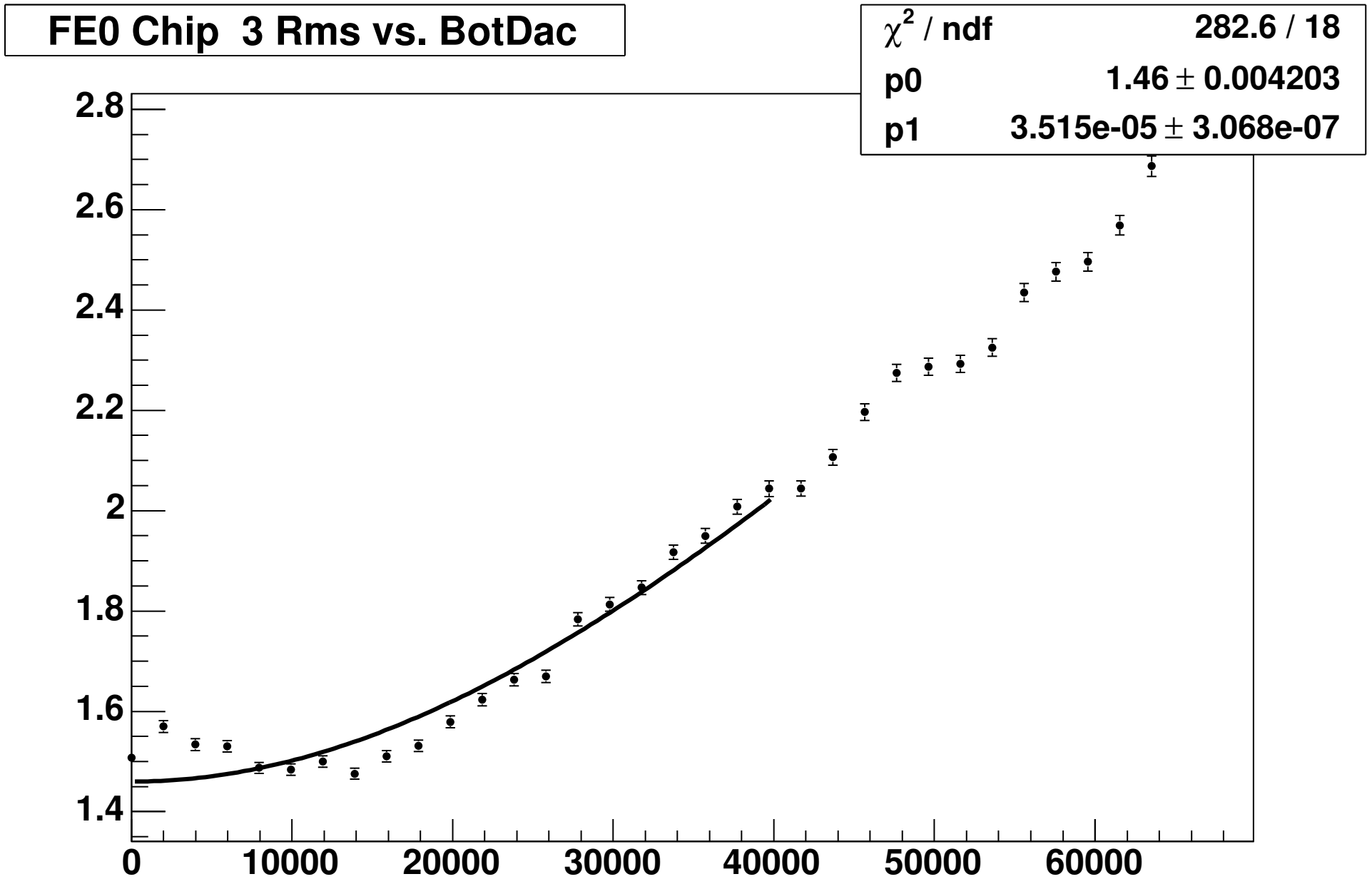
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 282.6 / 18
p0 1.46 ± 0.004203
p1 3.515e-05 ± 3.068e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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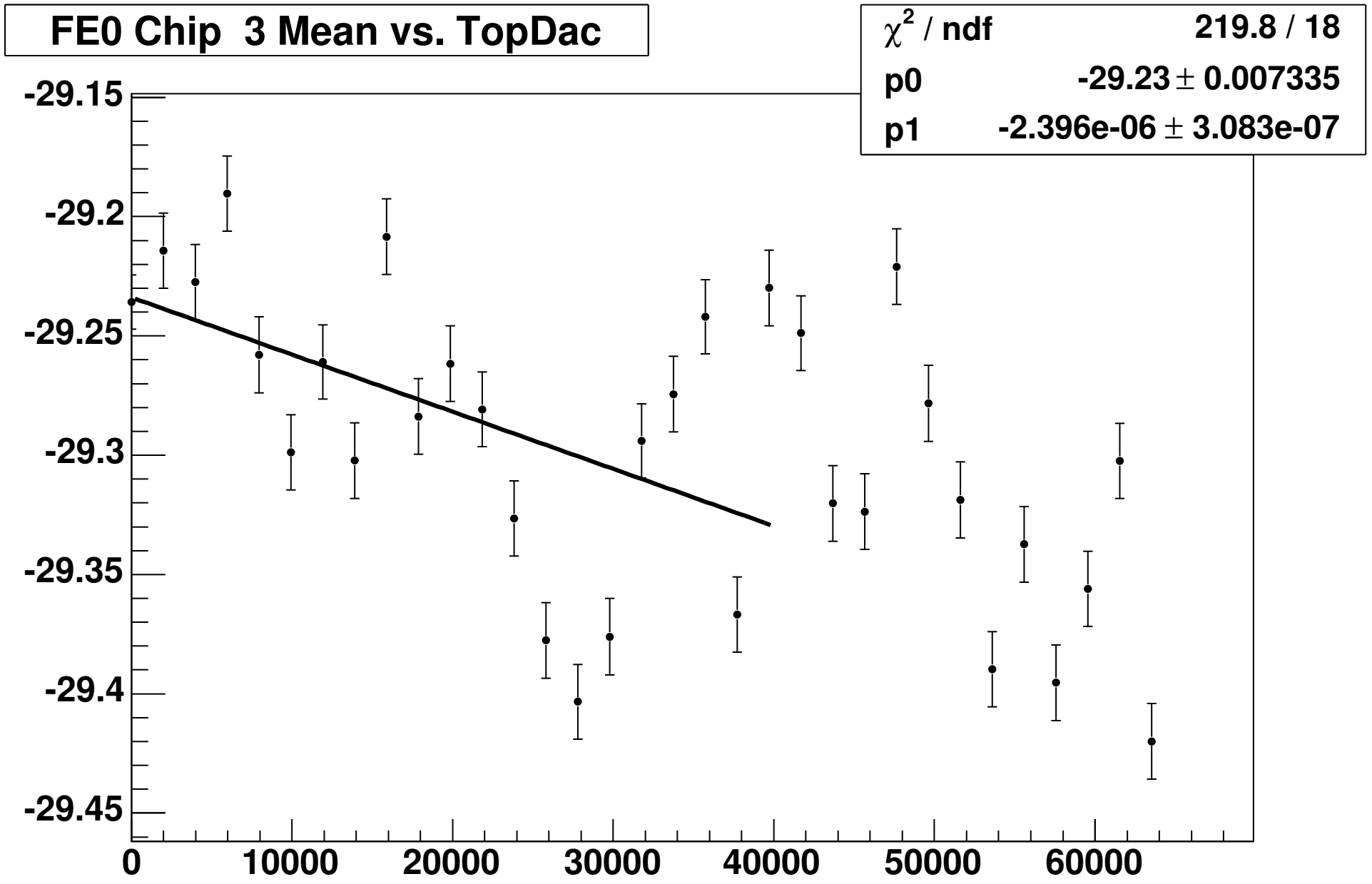
30000
40000
50000
60000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 219.8 / 18
p0 -29.23 ± 0.007335
p1 -2.396e-06 ± 3.083e-07
-29.15
-29.2
-29.25
-29.3
-29.35
-29.4
-29.45
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10000
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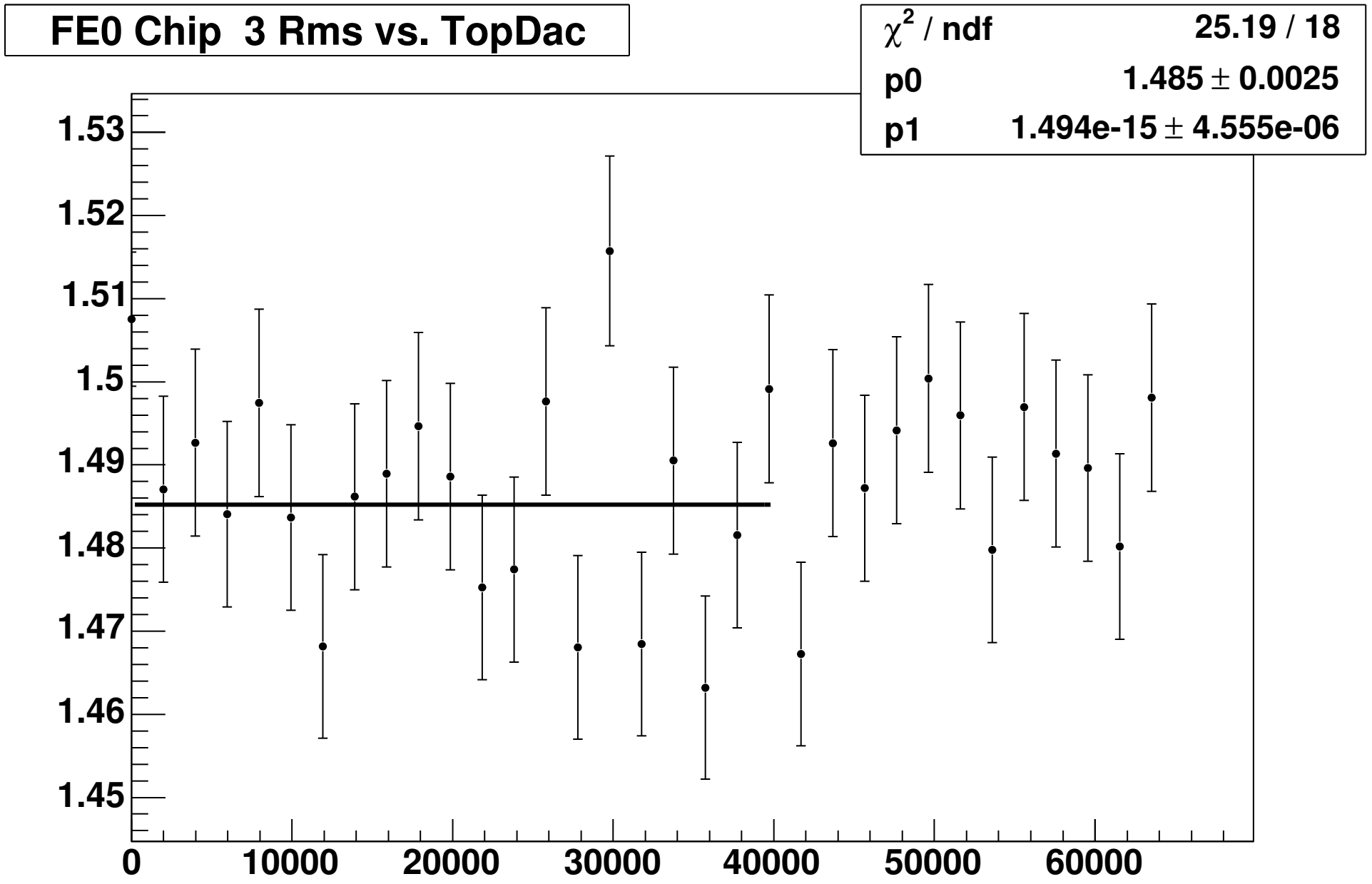
40000
50000
60000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 25.19 / 18
p0 1.485 ± 0.0025
p1 1.494e-15 ± 4.555e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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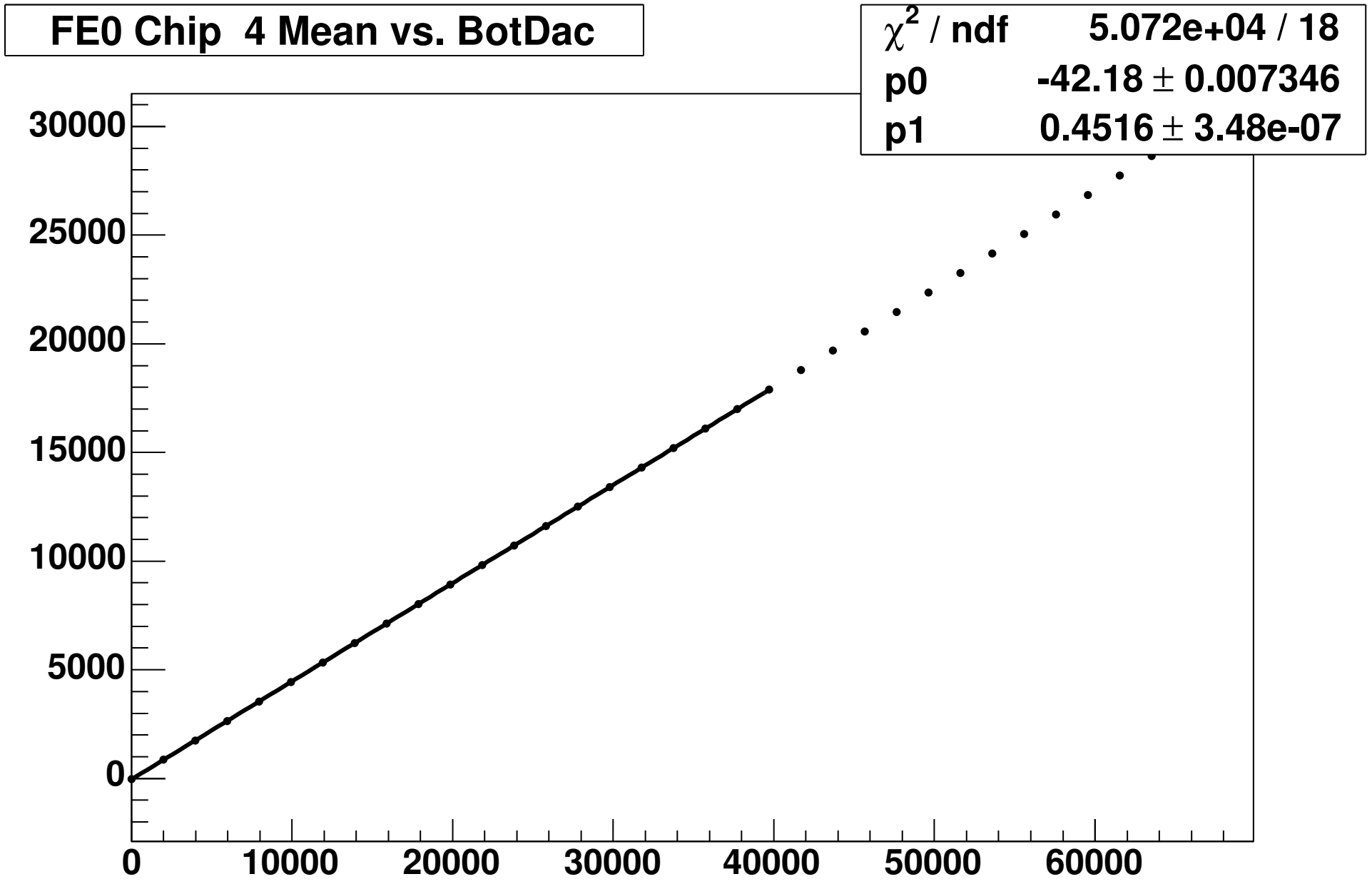
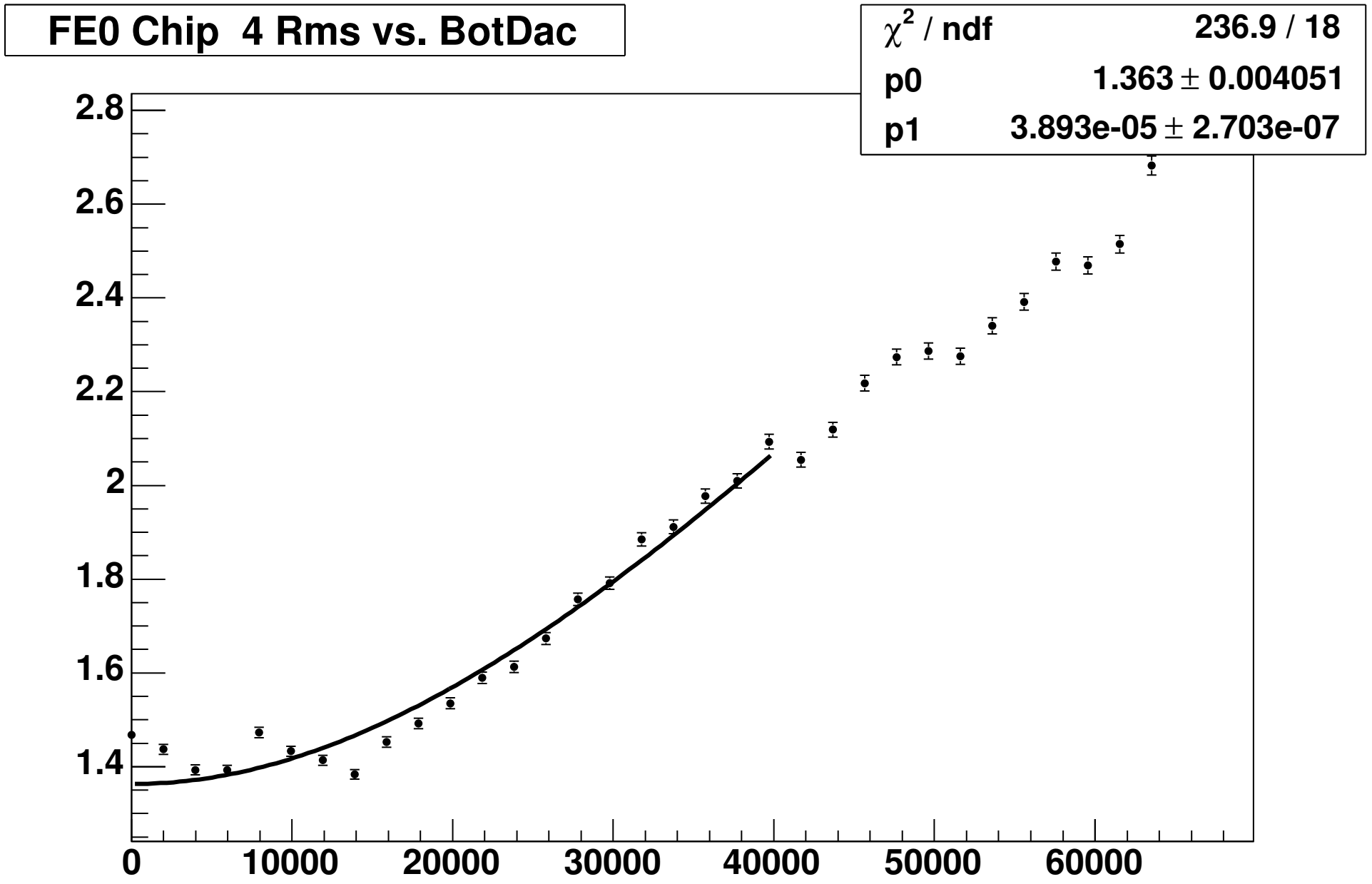

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 5.072e+04 / 18
p0 -42.18 ± 0.007346
p1 0.4516 ± 3.48e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ^2 / ndf 236.9 / 18
p0 1.363 ± 0.004051
p1 3.893e-05 ± 2.703e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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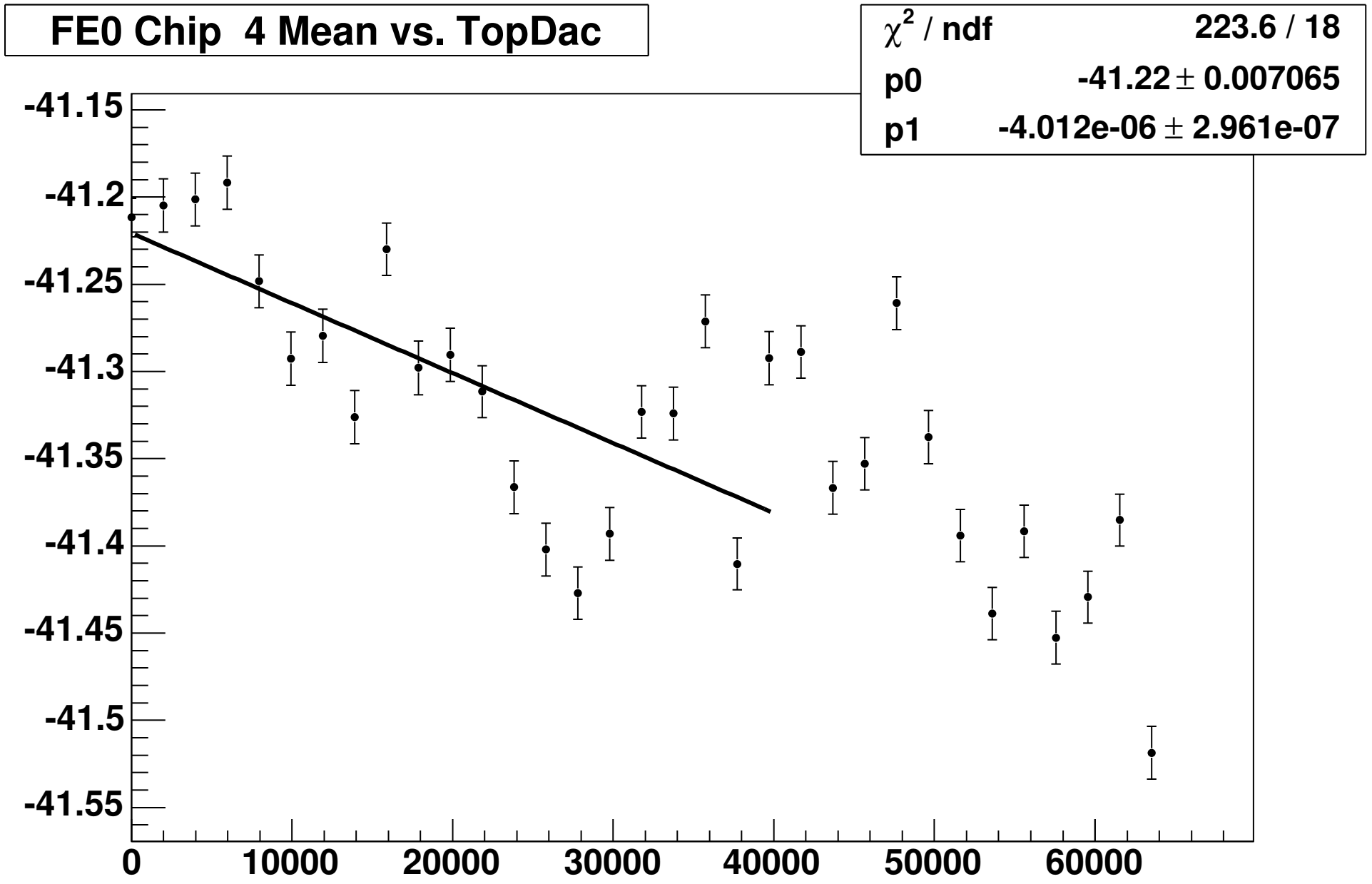
30000
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 223.6 / 18
p0 -41.22 ± 0.007065
p1 -4.012e-06 ± 2.961e-07
-41.15
-41.2
-41.25
-41.3
-41.35
-41.4
-41.45
-41.5
-41.55
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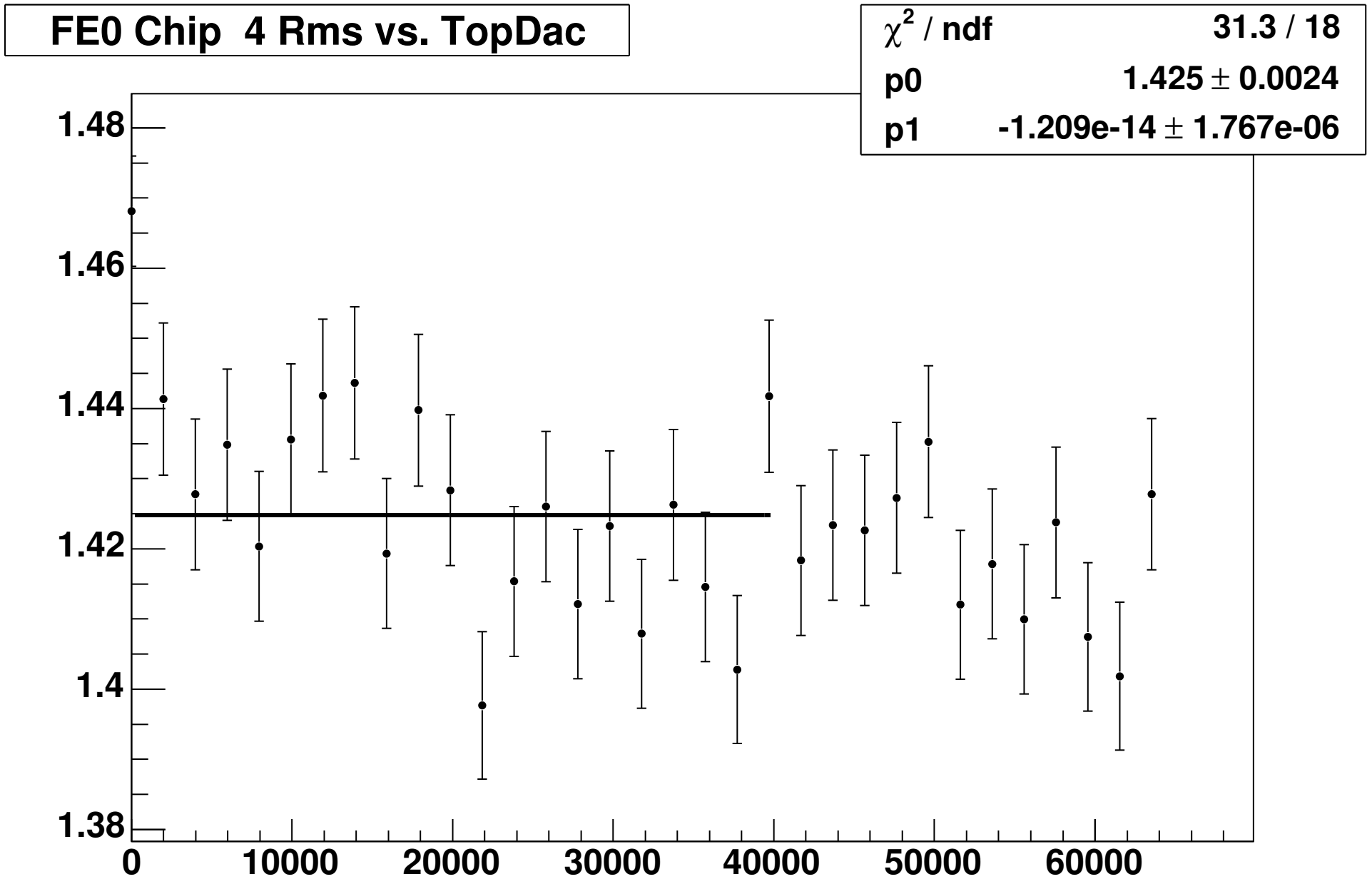
FE0 Chip 4 Rms vs. TopDac
χ² / ndf 31.3 / 18
p0 1.425 ± 0.0024
p1 -1.209e-14 ± 1.767e-06
1.48
1.46
1.44
1.42
1.4
1.38
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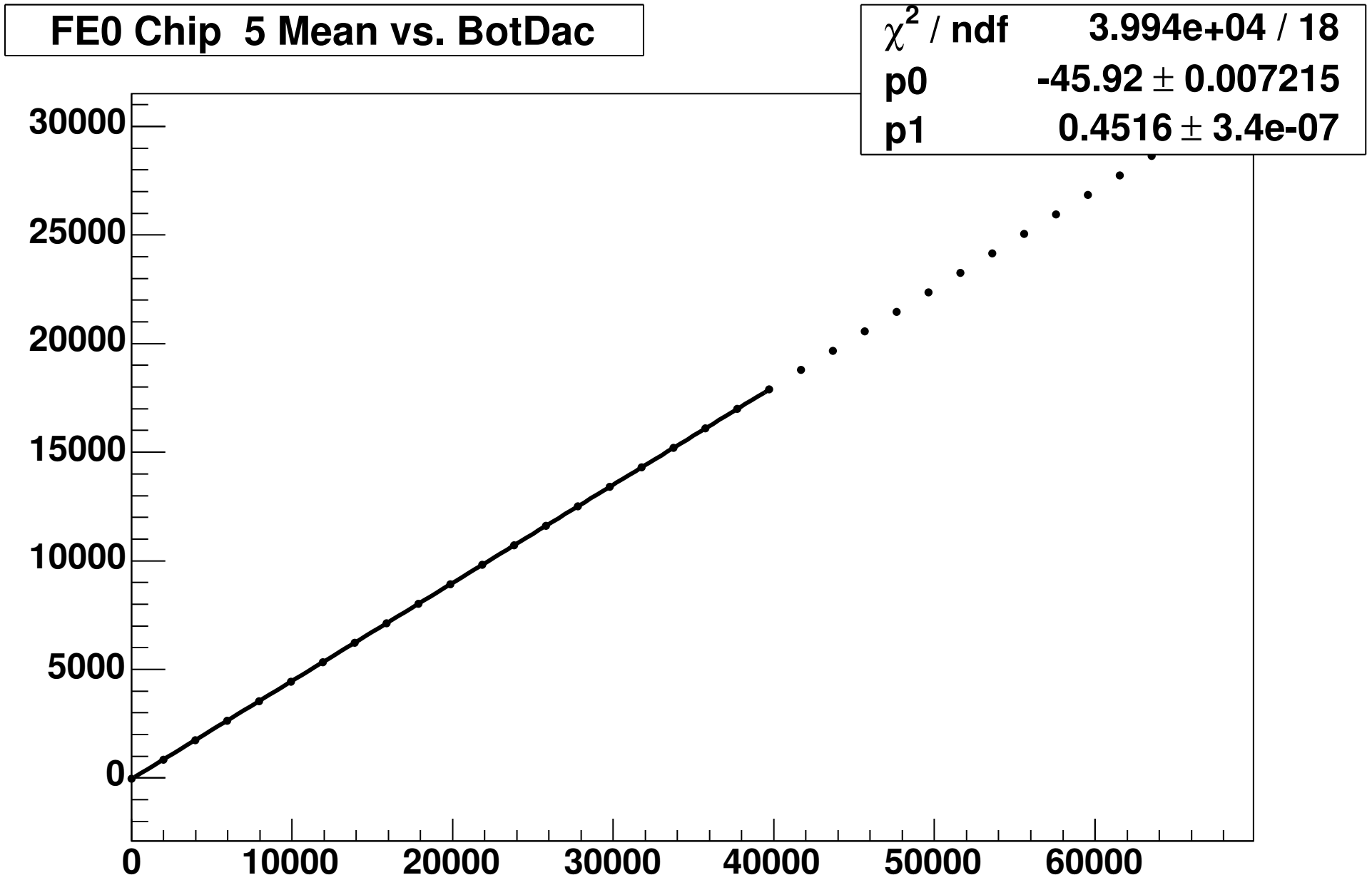
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 3.994e+04 / 18
p0 -45.92 ± 0.007215
p1 0.4516 ± 3.4e-07
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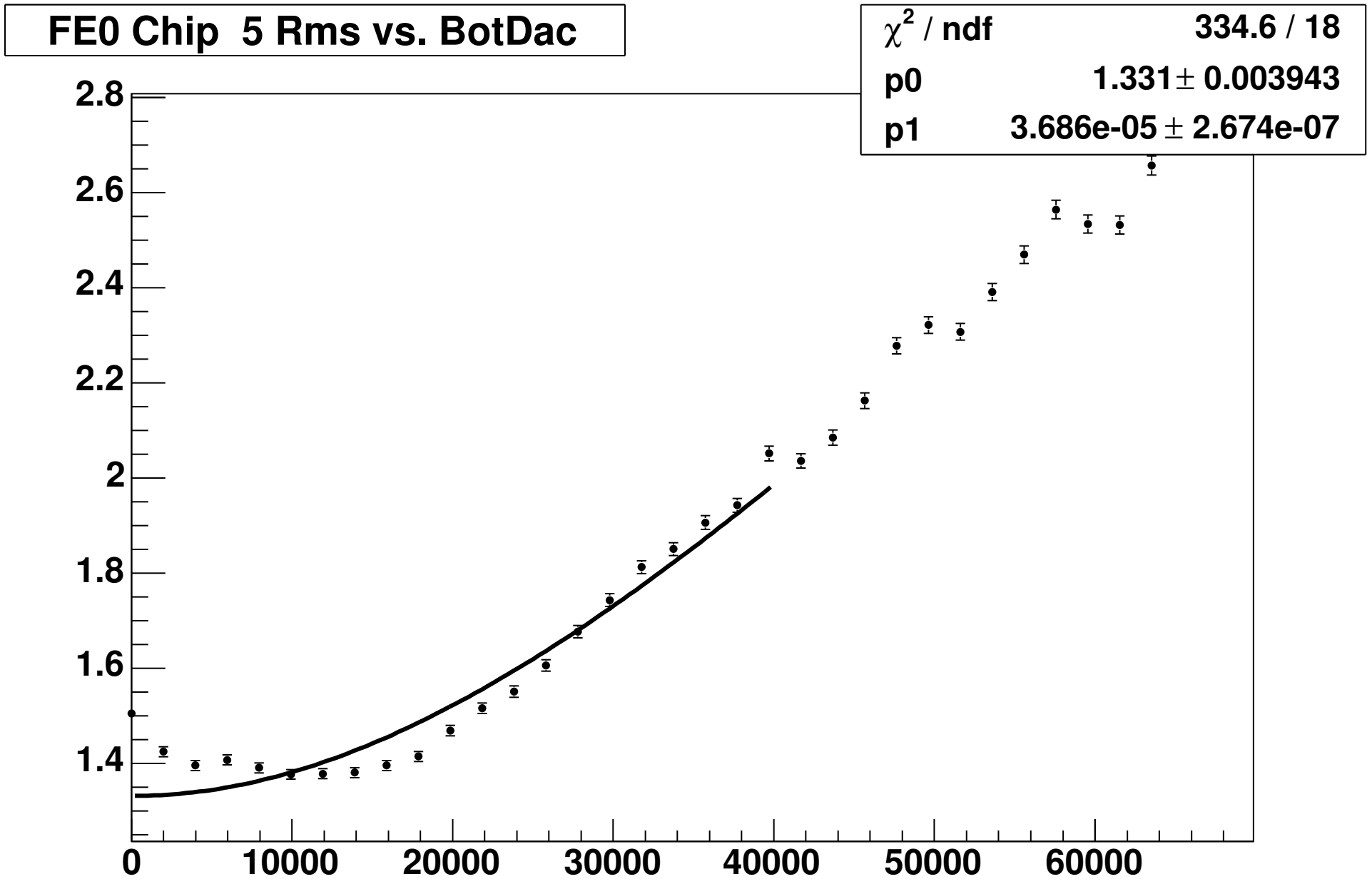
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 334.6 / 18
p0 1.331 ± 0.003943
p1 3.686e-05 ± 2.674e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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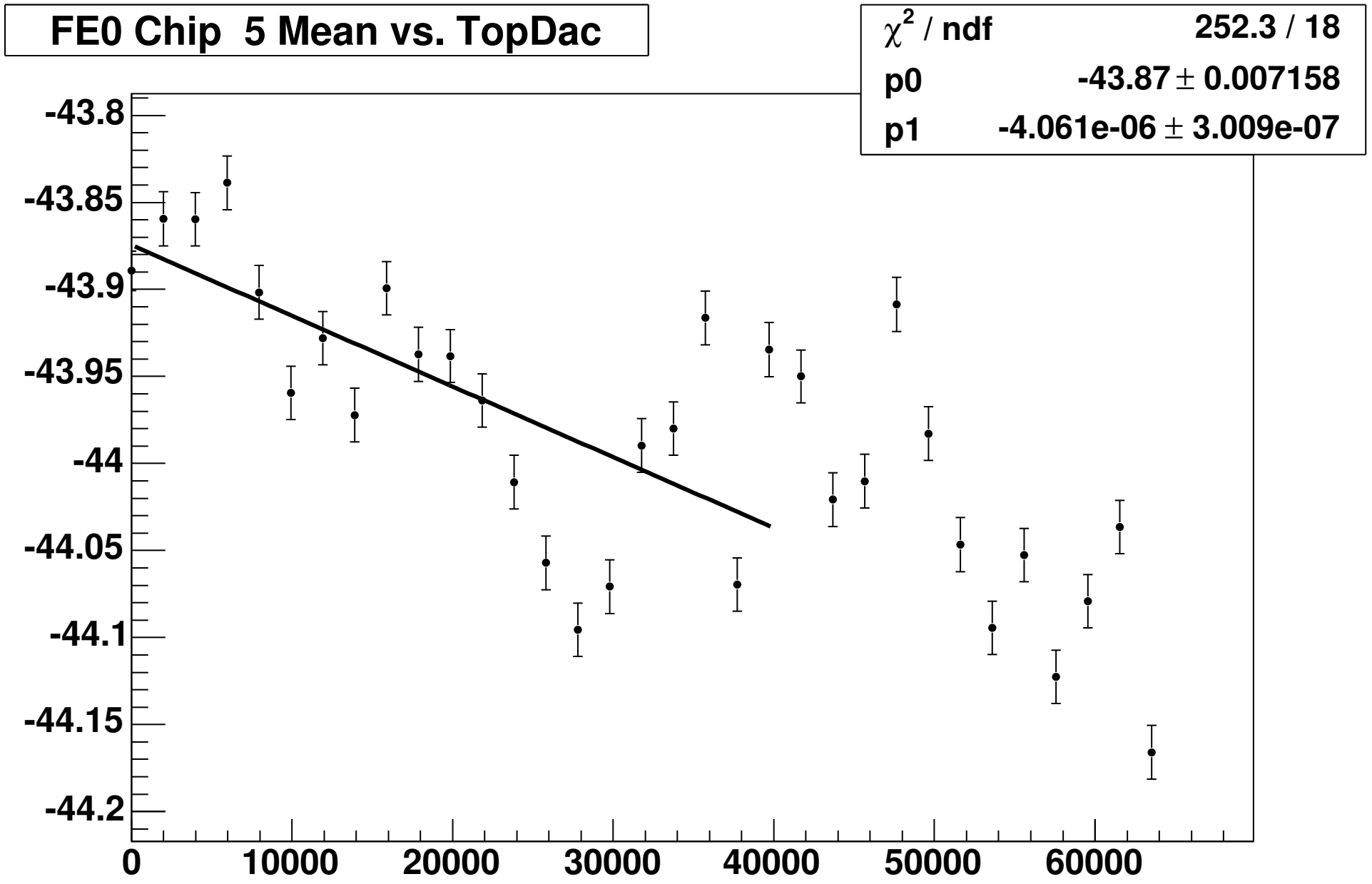
FE0 Chip 5 Mean vs. TopDac
χ² / ndf 252.3 / 18
p0 -43.87 ± 0.007158
p1 -4.061e-06 ± 3.009e-07
-43.8
-43.85
-43.9
-43.95
-44
-44.05
-44.1
-44.15
-44.2
0
10000
20000
30000
40000
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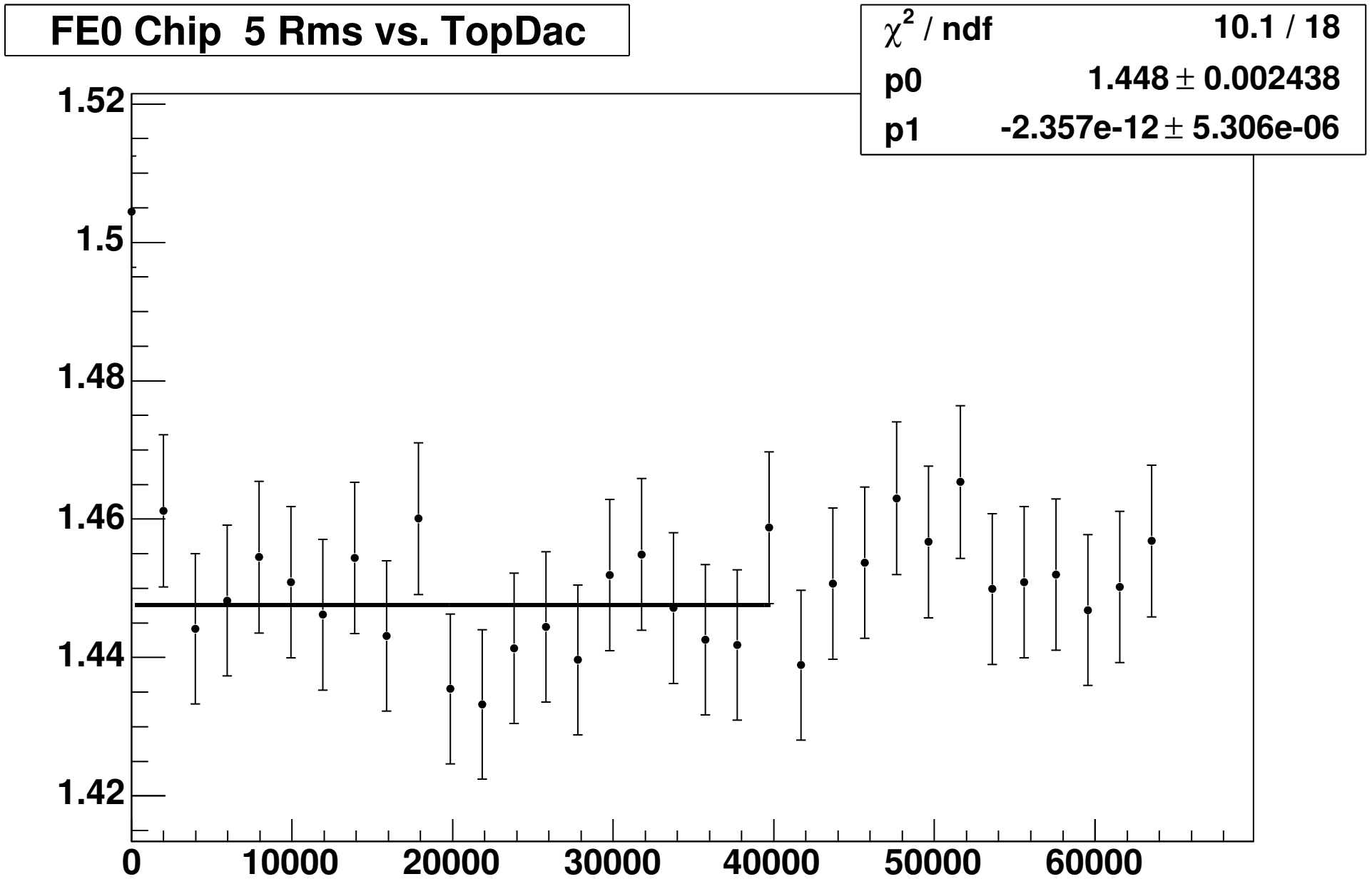
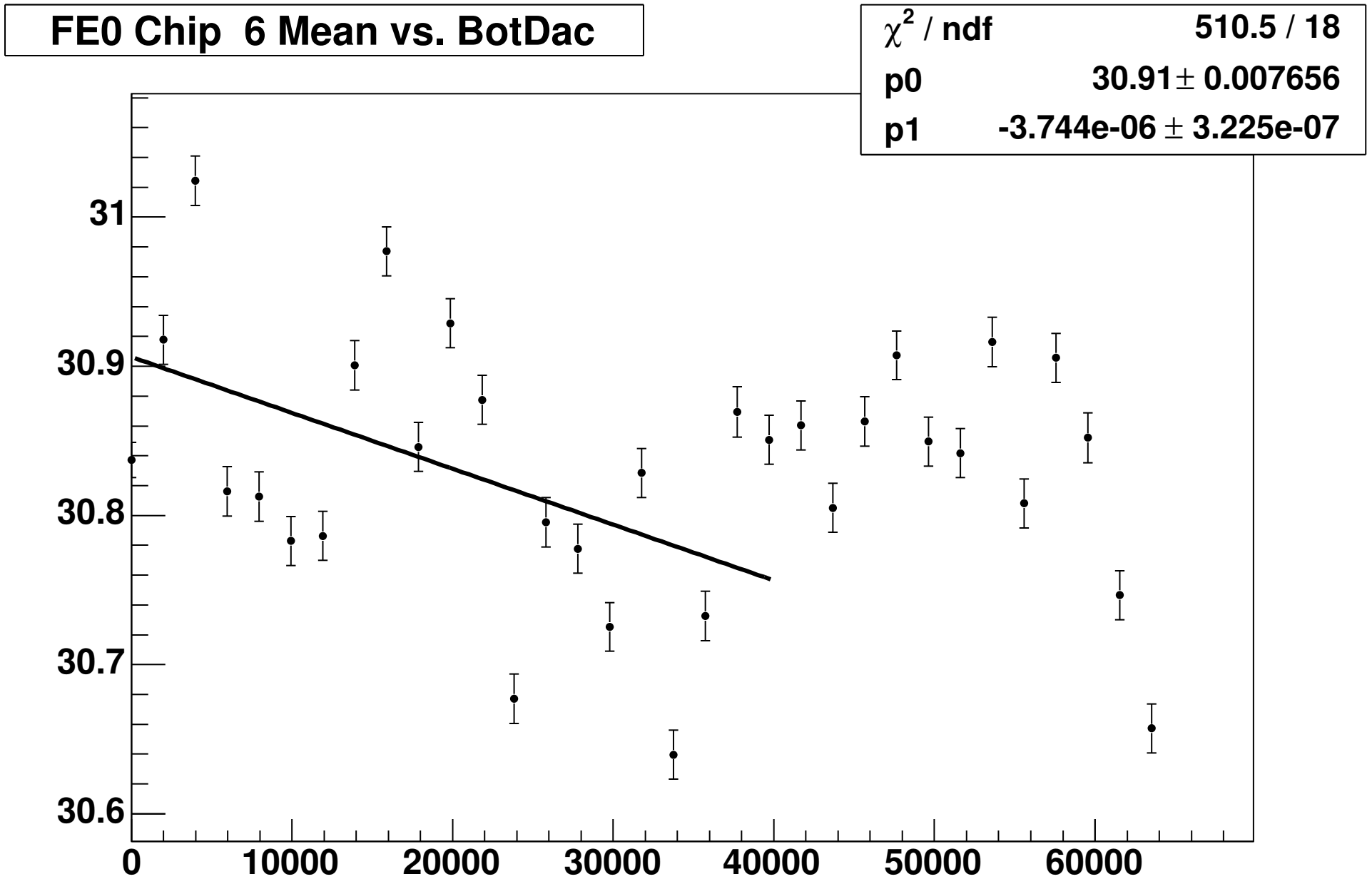
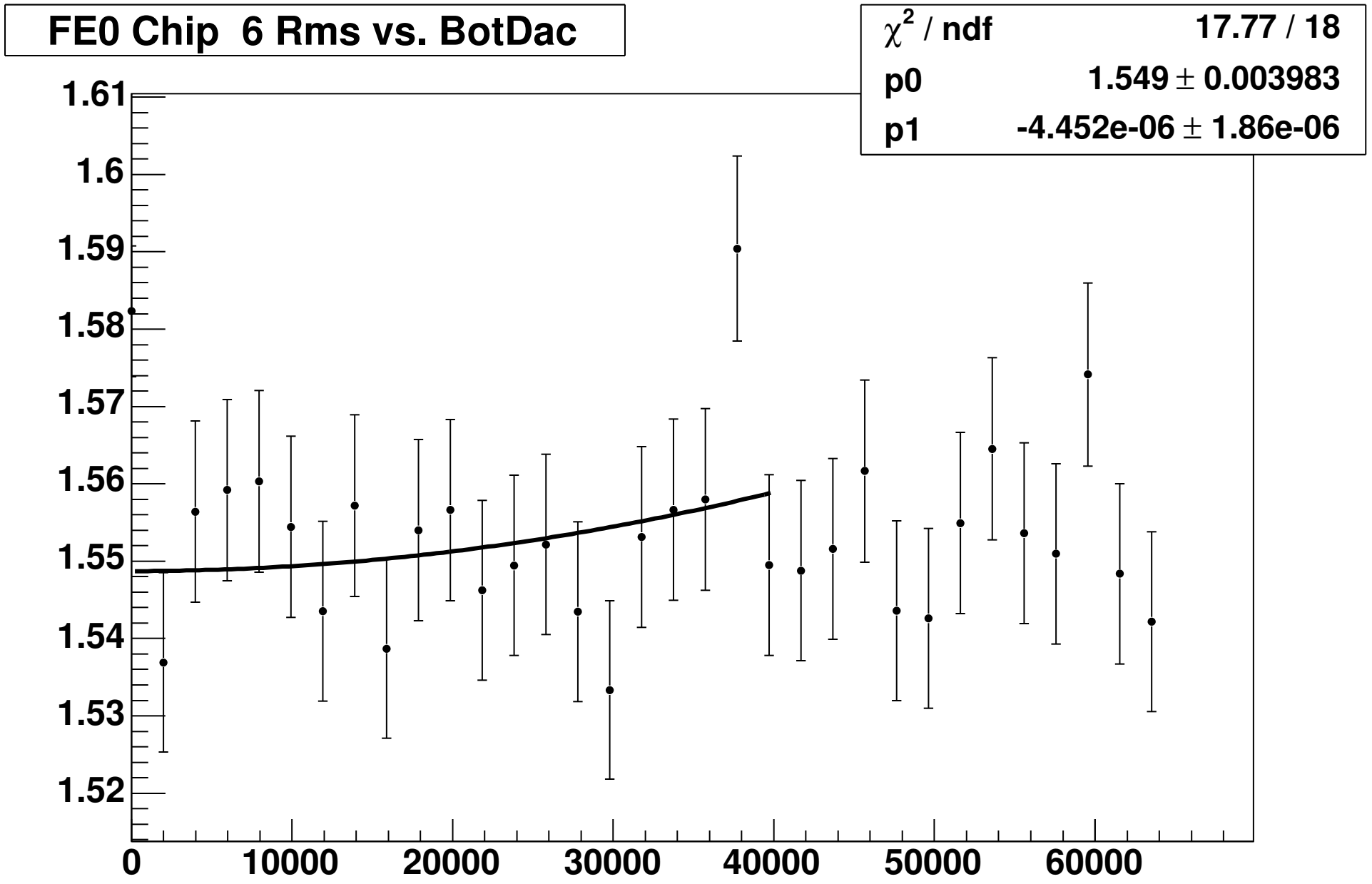
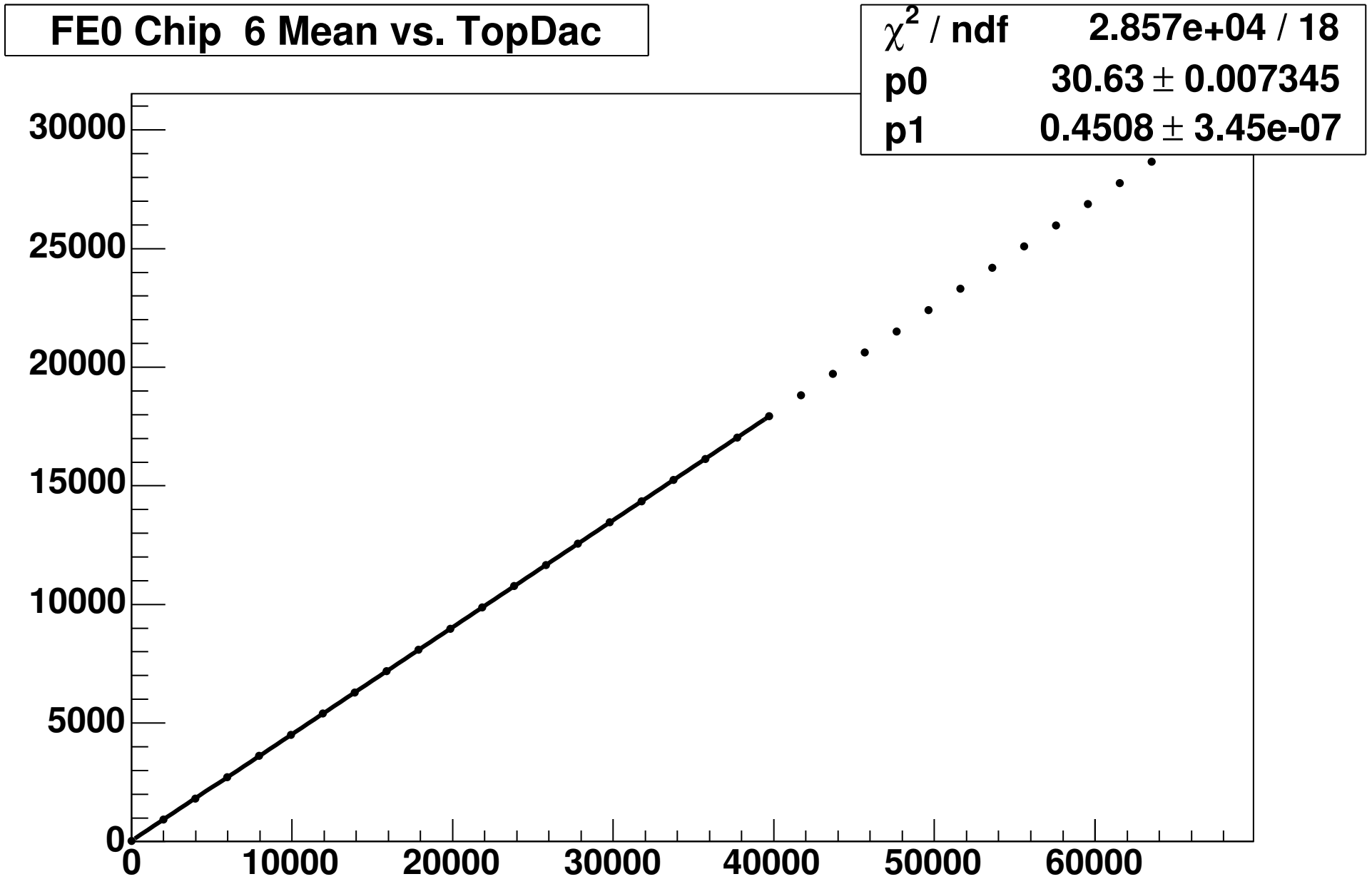
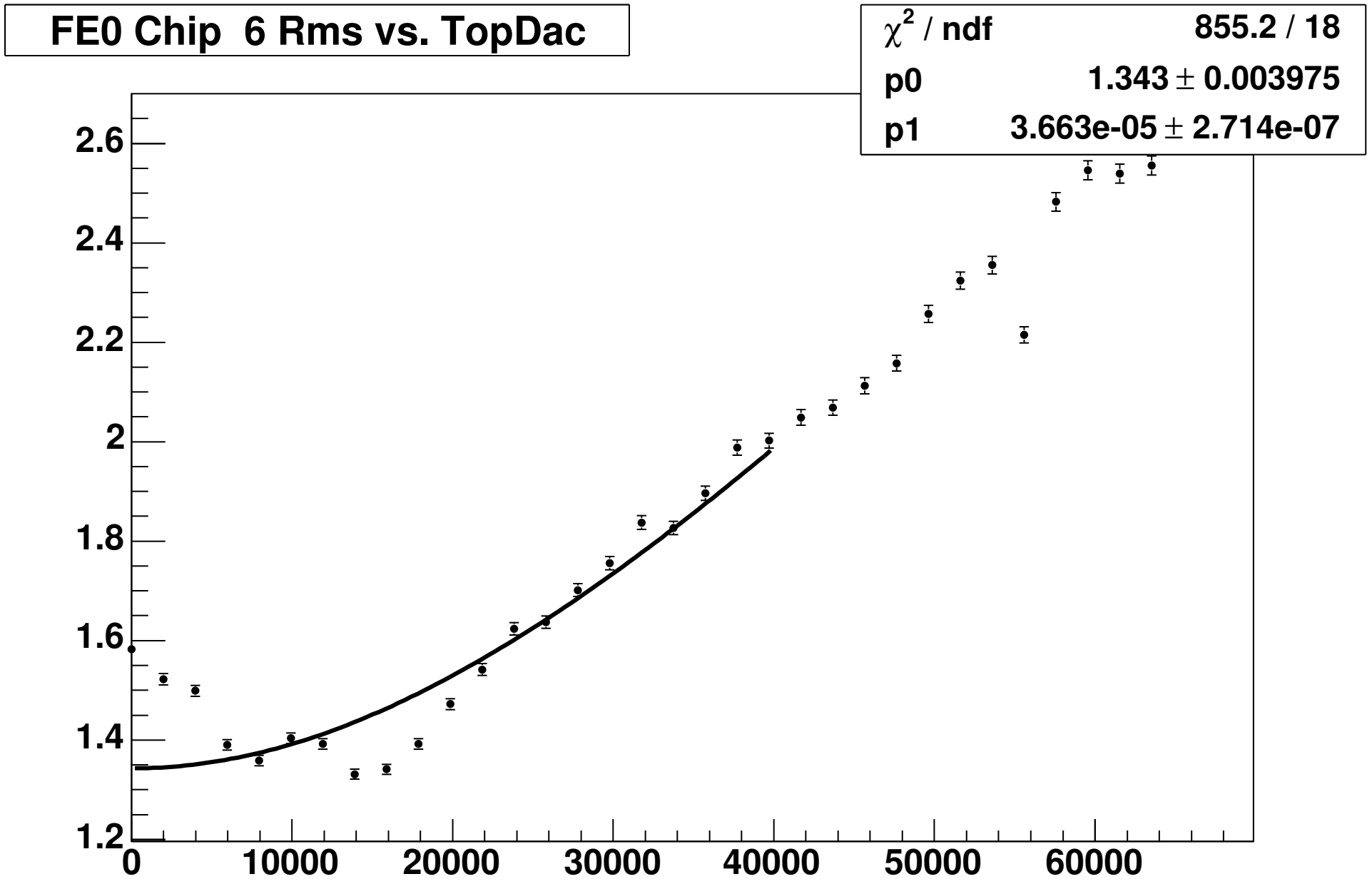

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 10.1 / 18
p0 1.448 ± 0.002438
p1 -2.357e-12 ± 5.306e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 510.5 / 18
p0 30.91 ± 0.007656
p1 -3.744e-06 ± 3.225e-07
31
30.9
30.8
30.7
30.6
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 17.77 / 18
p0 1.549 ± 0.003983
p1 -4.452e-06 ± 1.86e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 2.857e+04 / 18
p0 30.63 ± 0.007345
p1 0.4508 ± 3.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 855.2 / 18
p0 1.343 ± 0.003975
p1 3.663e-05 ± 2.714e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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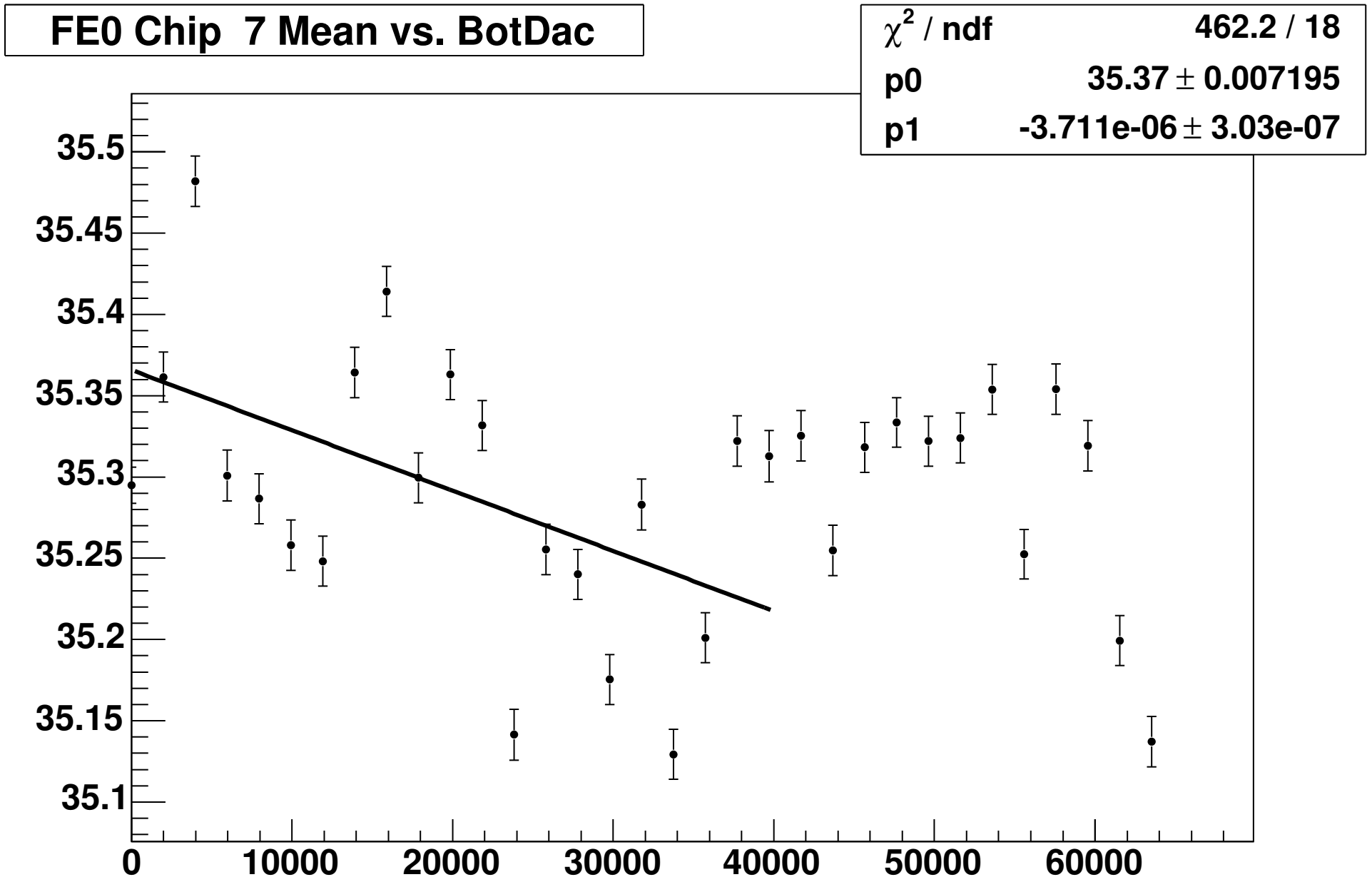
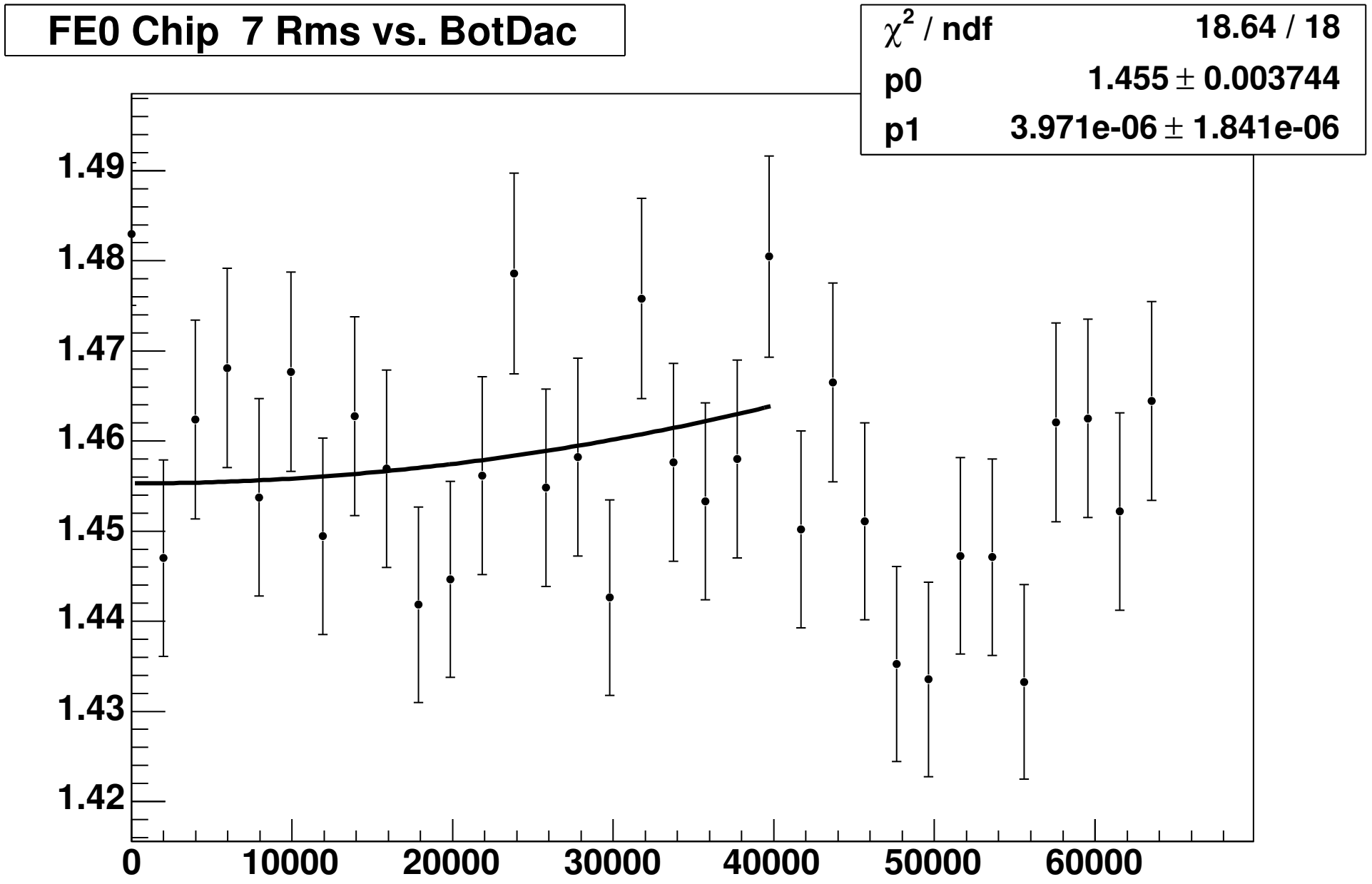
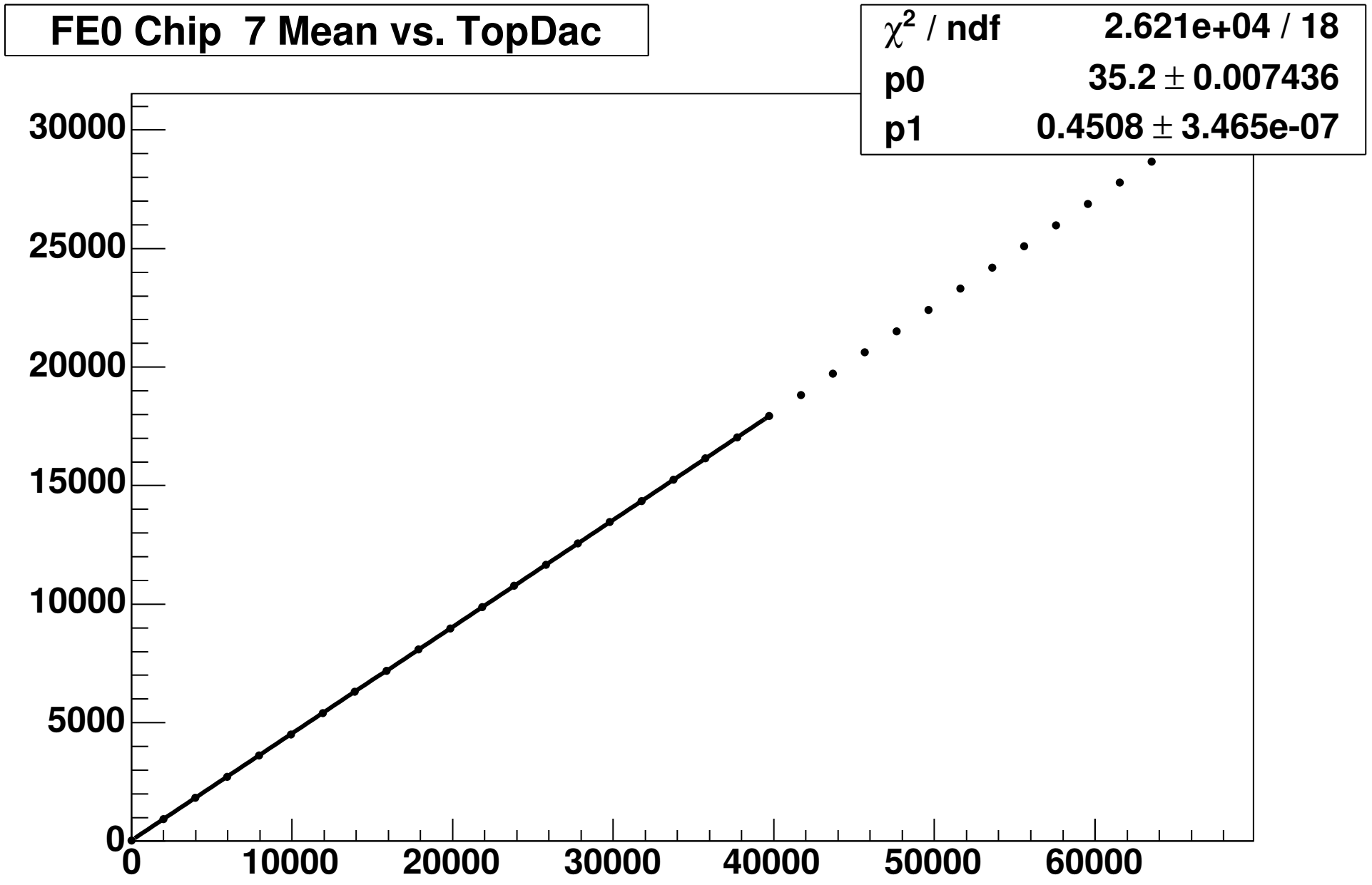
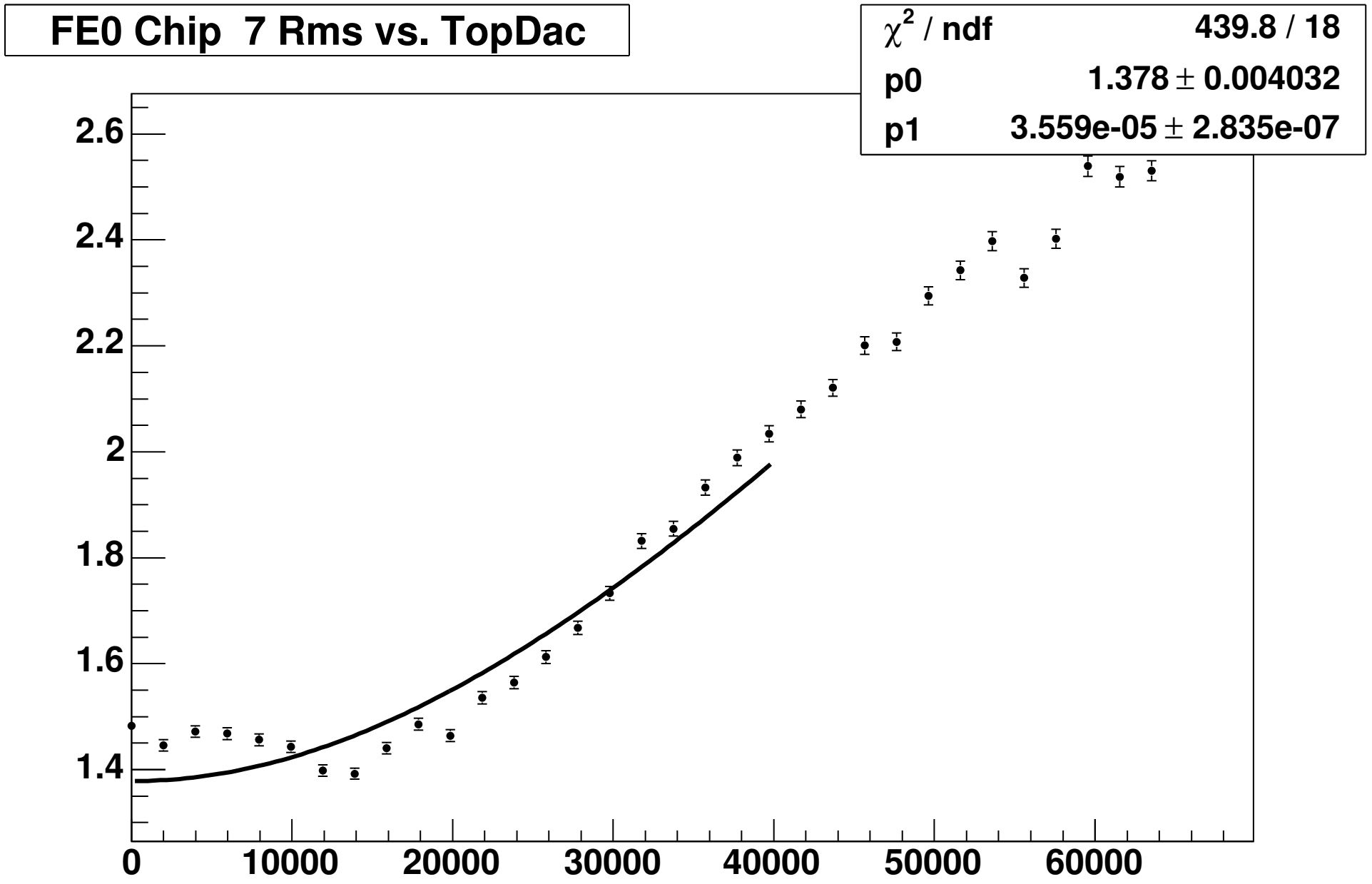
30000
40000
50000
60000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 462.2 / 18
p0 35.37 ± 0.007195
p1 -3.711e-06 ± 3.03e-07
35.5
35.45
35.4
35.35
35.3
35.25
35.2
35.15
35.1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 18.64 / 18
p0 1.455 ± 0.003744
p1 3.971e-06 ± 1.841e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 2.621e+04 / 18
p0 35.2 ± 0.007436
p1 0.4508 ± 3.465e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 439.8 / 18
p0 1.378 ± 0.004032
p1 3.559e-05 ± 2.835e-07
2.6
2.4
2.2
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1.8
1.6
1.4
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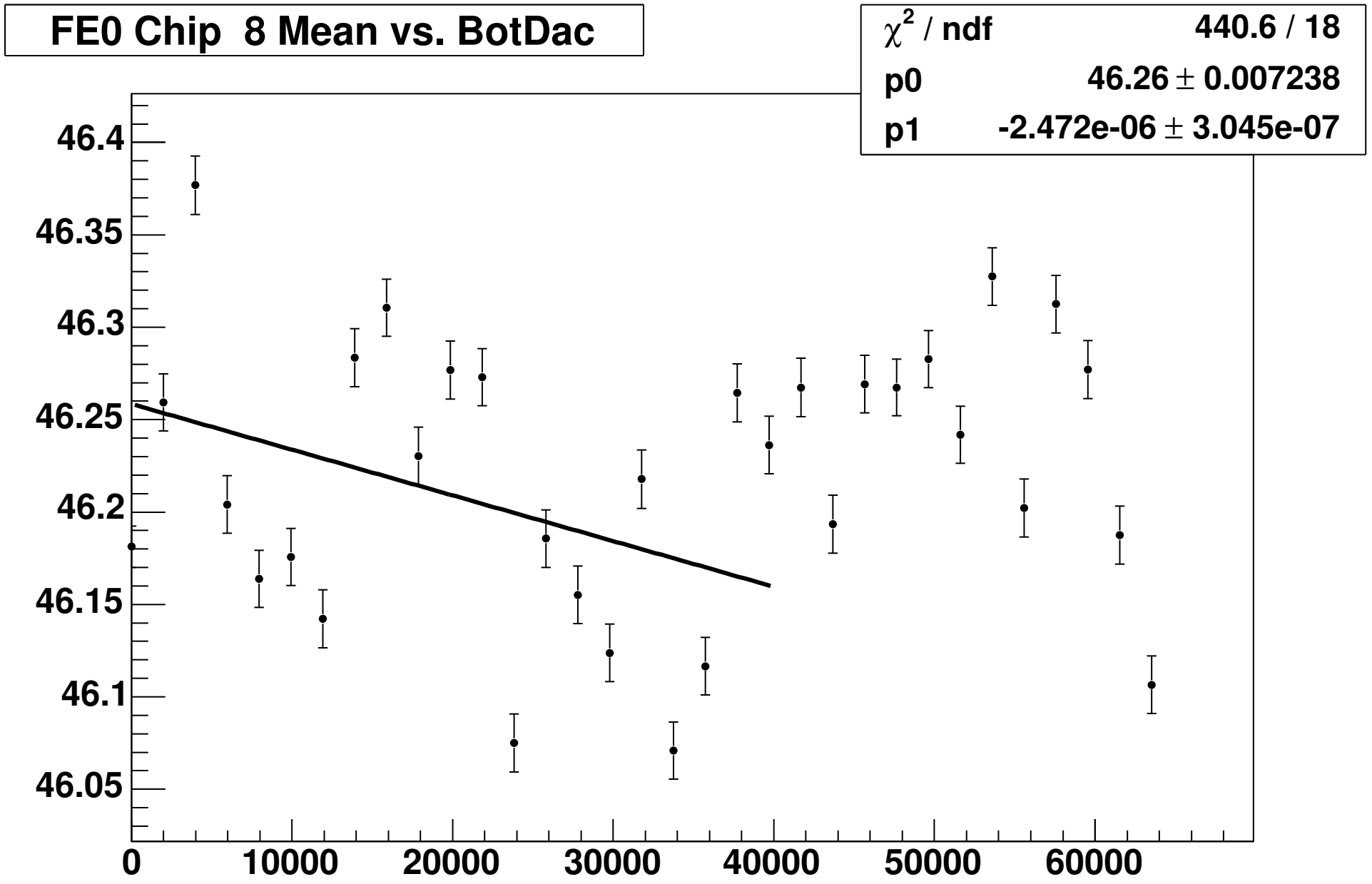
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 440.6 / 18
p0 46.26 ± 0.007238
p1 -2.472e-06 ± 3.045e-07
46.4
46.35
46.3
46.25
46.2
46.15
46.1
46.05
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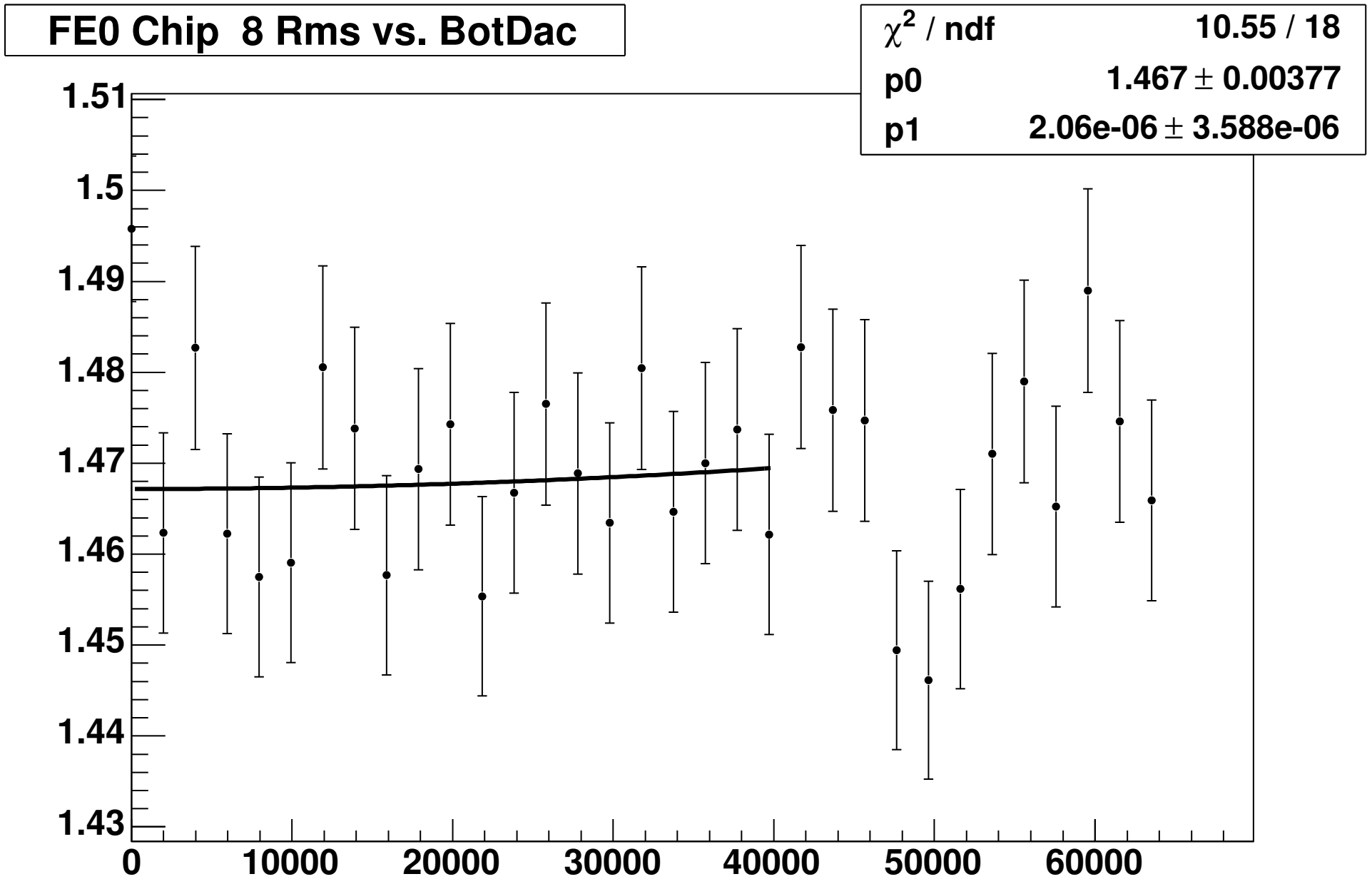
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 10.55 / 18
p0 1.467 ± 0.00377
p1 2.06e-06 ± 3.588e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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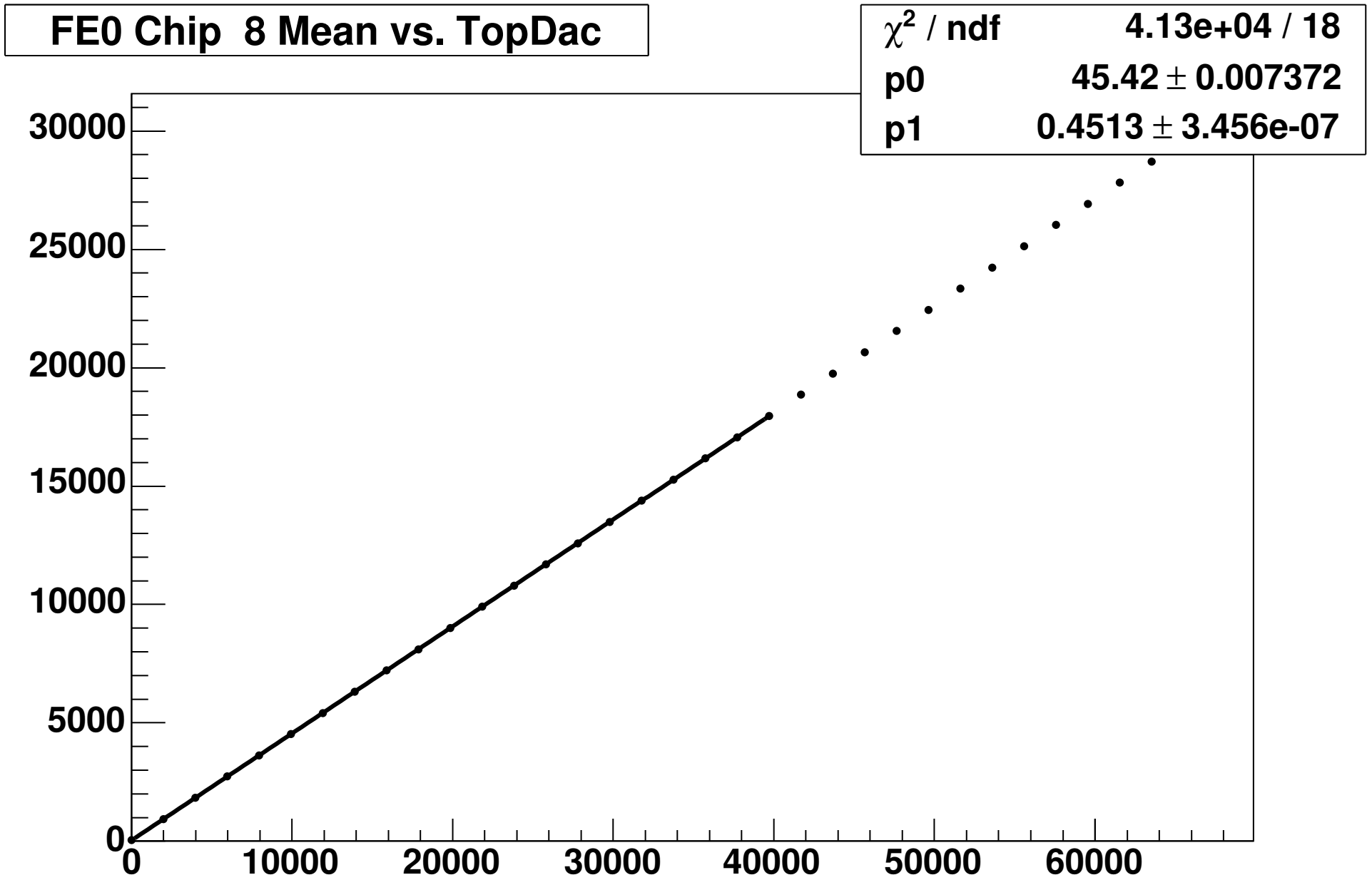
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 4.13e+04 / 18
p0 45.42 ± 0.007372
p1 0.4513 ± 3.456e-07
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0
0
10000
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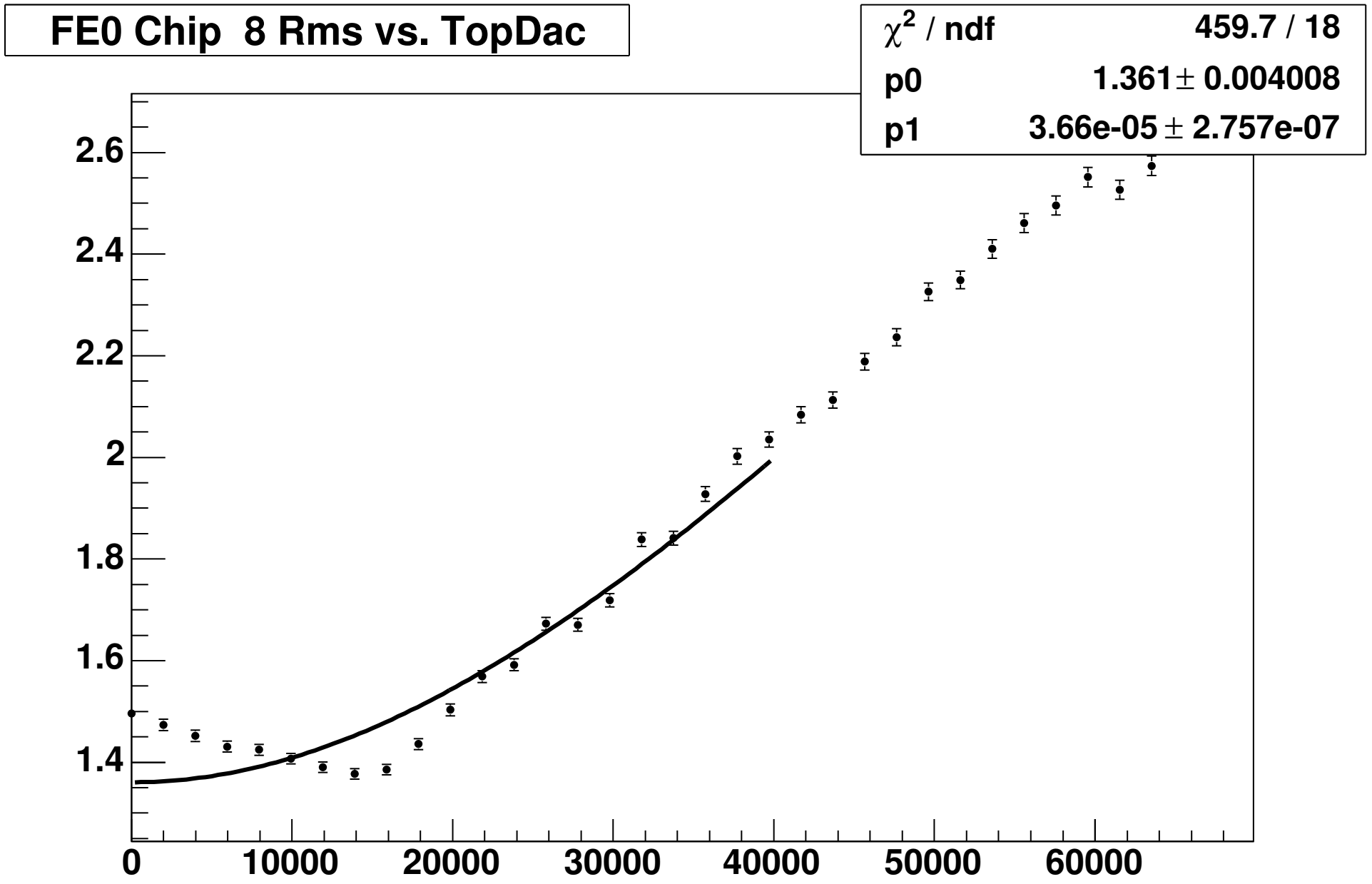
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 459.7 / 18
p0 1.361 ± 0.004008
p1 3.66e-05 ± 2.757e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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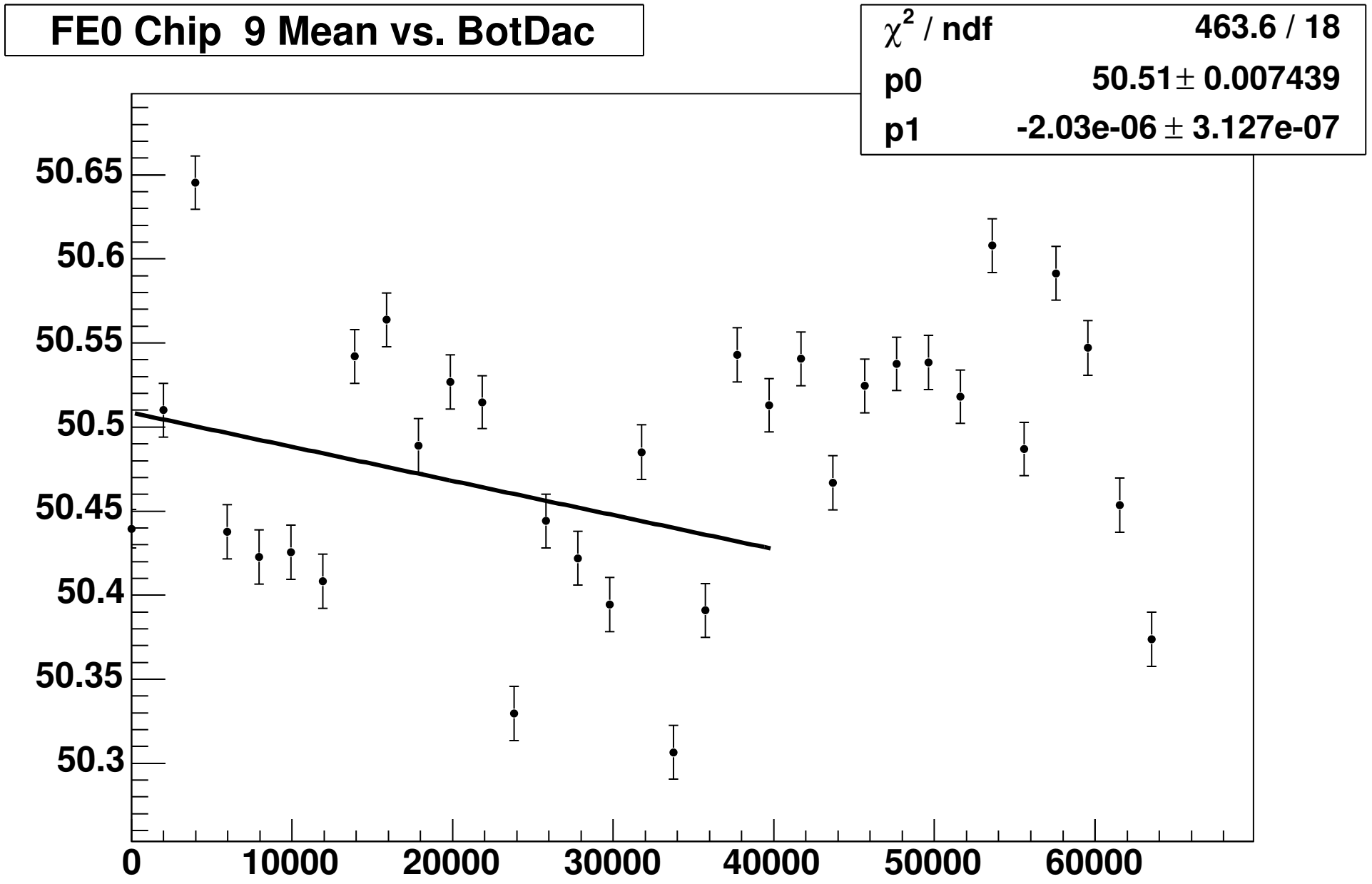
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 463.6 / 18
p0 50.51 ± 0.007439
p1 -2.03e-06 ± 3.127e-07
50.65
50.6
50.55
50.5
50.45
50.4
50.35
50.3
0
10000
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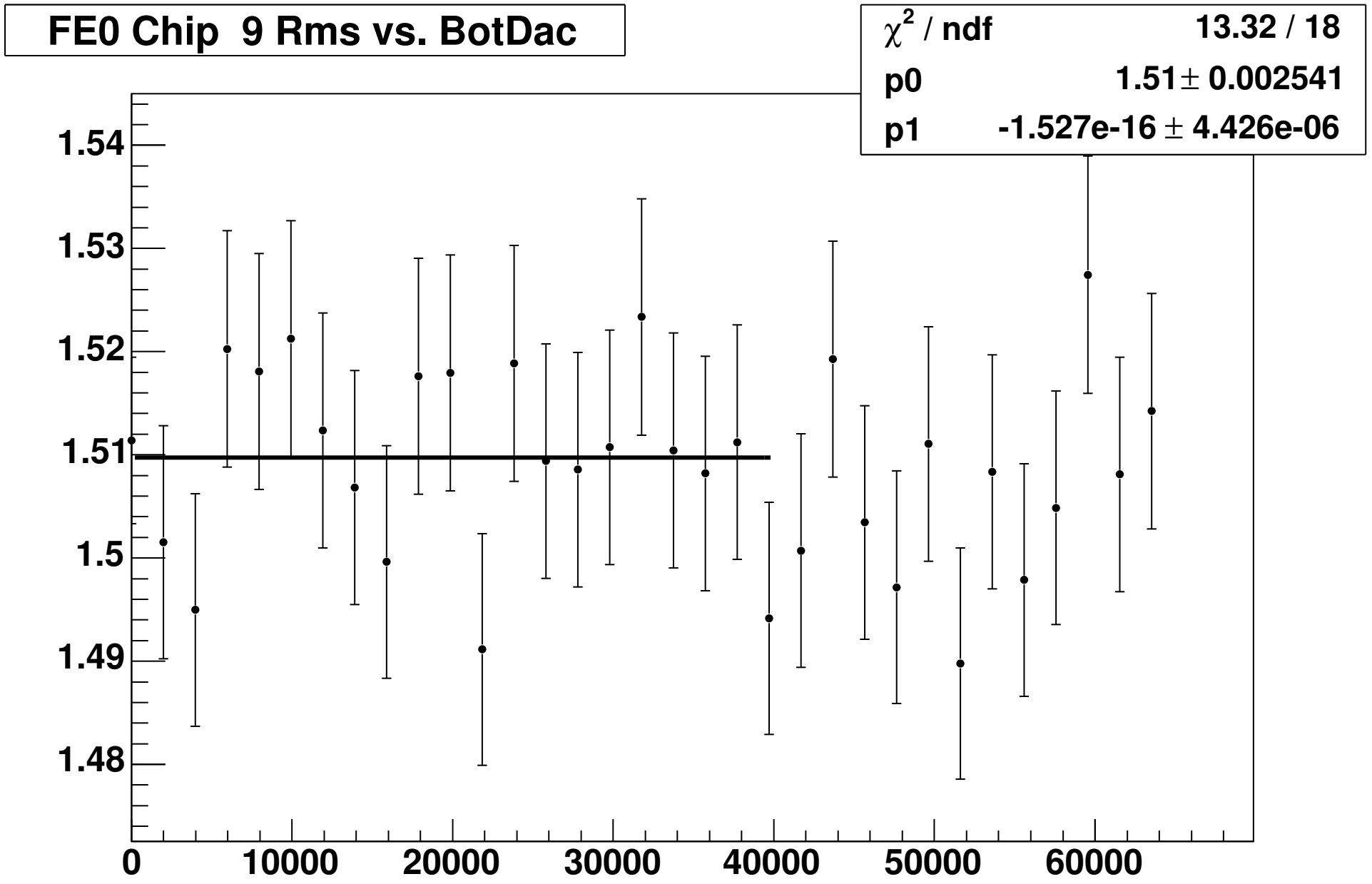
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 13.32 / 18
p0 1.51 ± 0.002541
p1 -1.527e-16 ± 4.426e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
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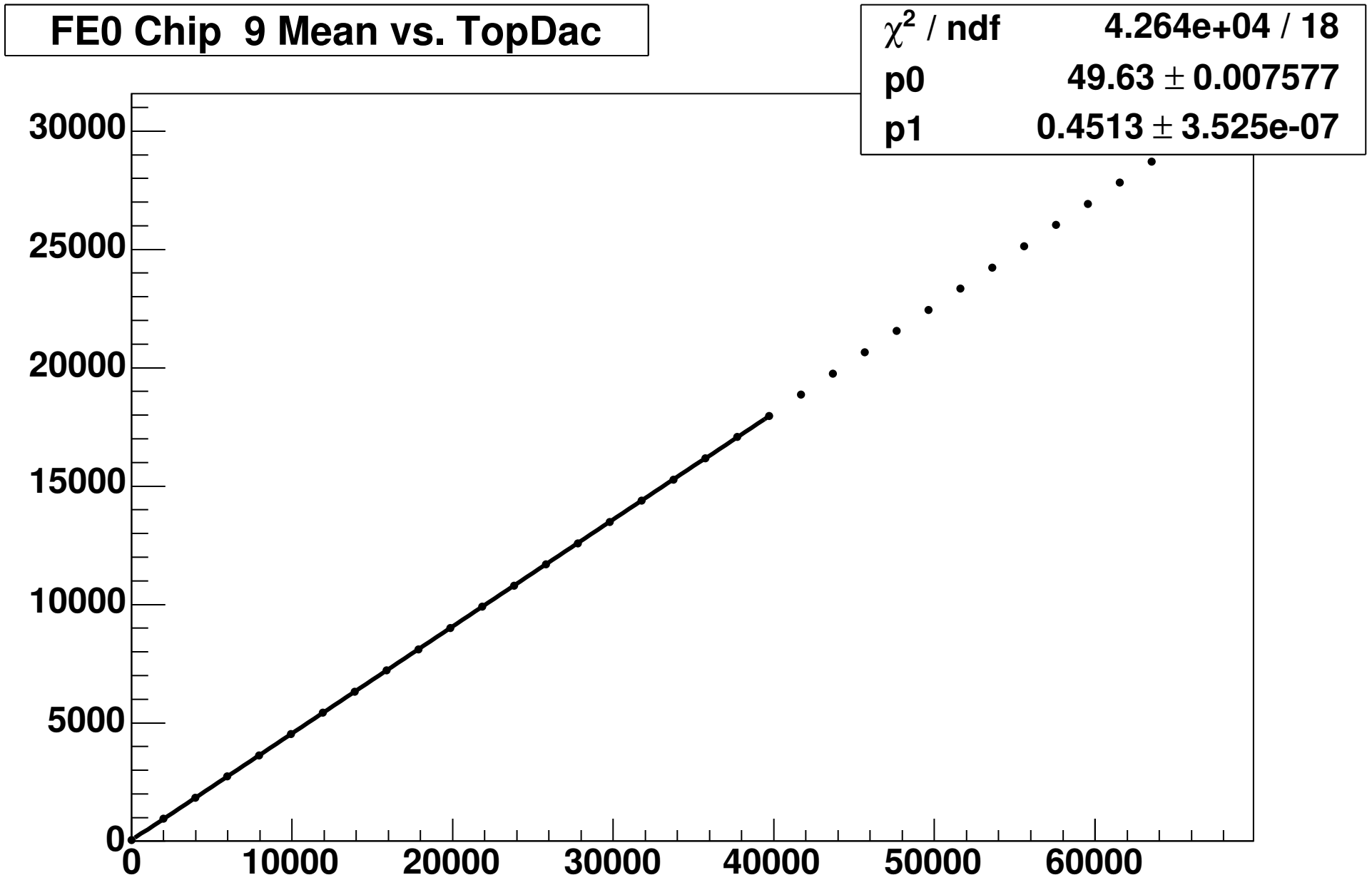
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 4.264e+04 / 18
p0 49.63 ± 0.007577
p1 0.4513 ± 3.525e-07
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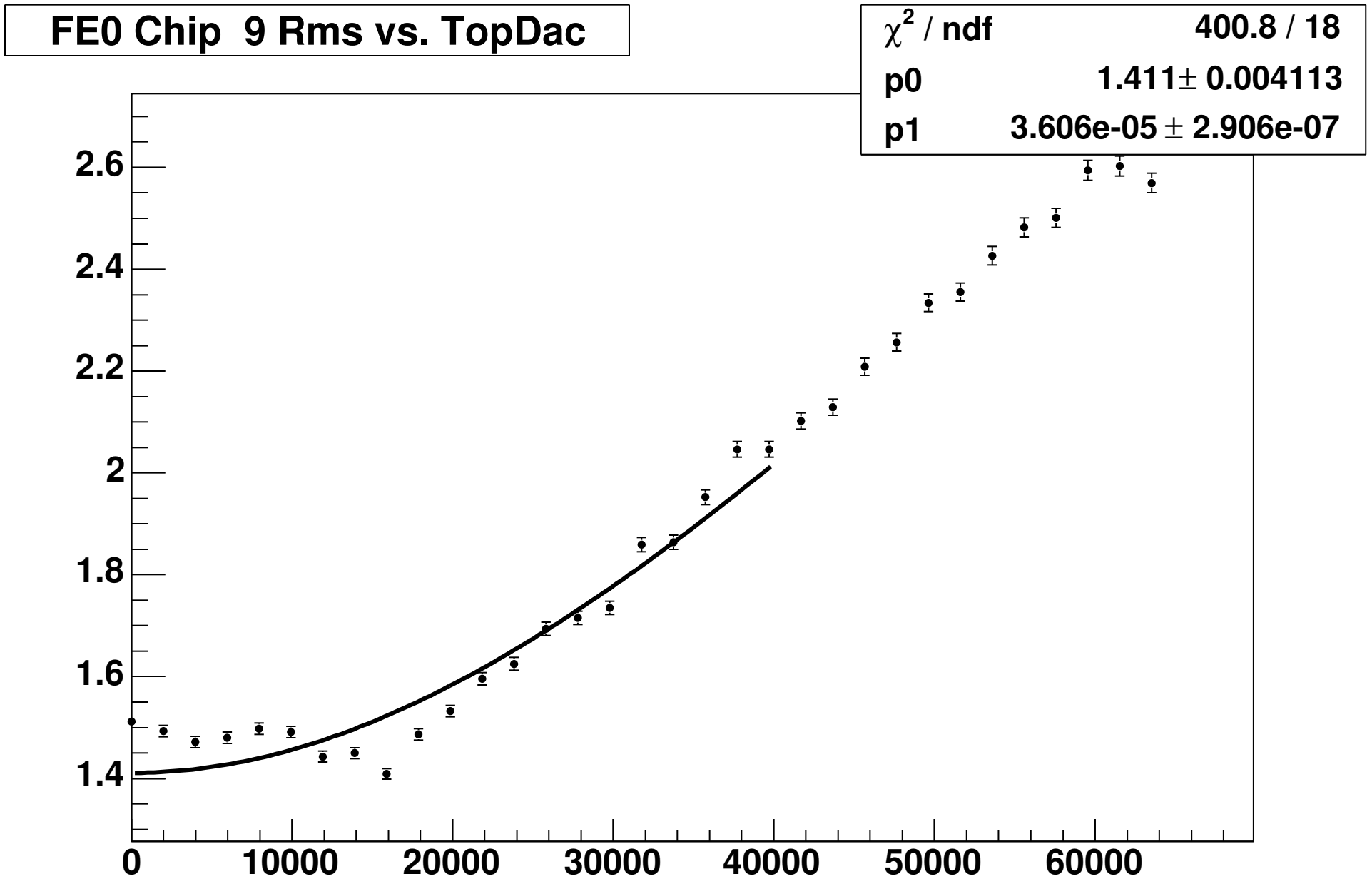
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 400.8 / 18
p0 1.411 ± 0.004113
p1 3.606e-05 ± 2.906e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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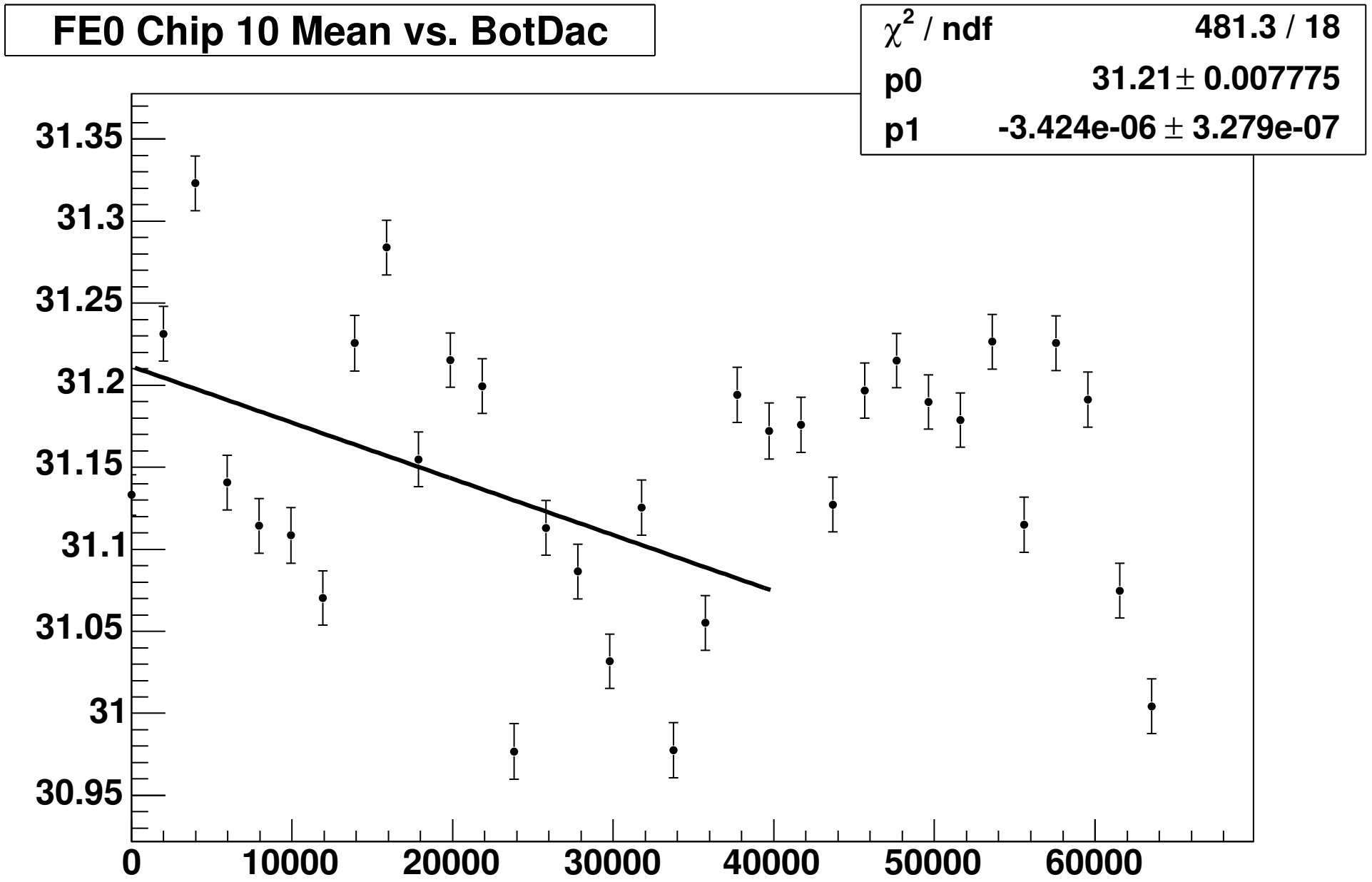
50000
60000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 481.3 / 18
p0 31.21 ± 0.007775
p1 -3.424e-06 ± 3.279e-07
31.35
31.3
31.25
31.2
31.15
31.1
31.05
31
30.95
0
10000
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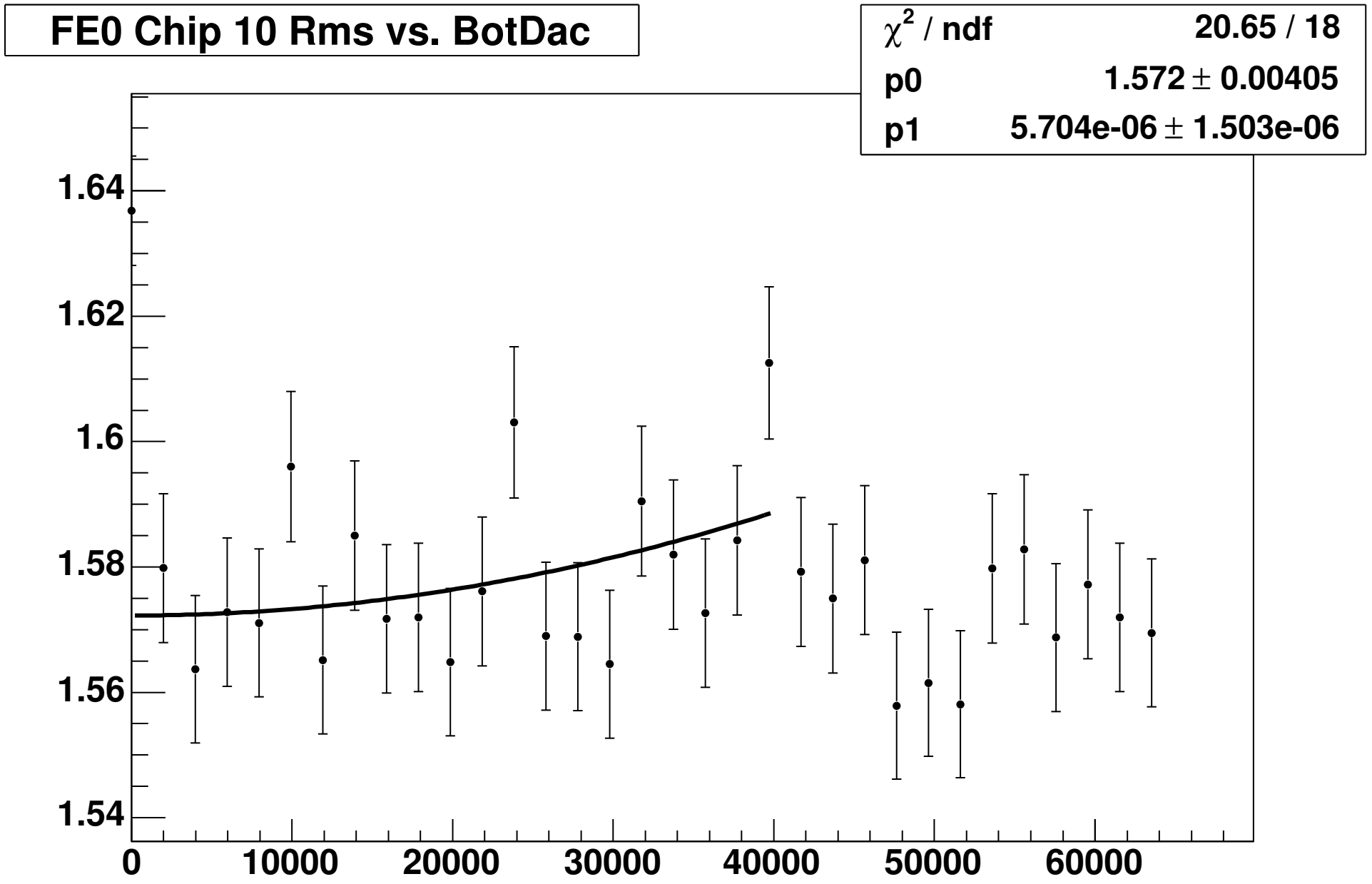
60000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 20.65 / 18
p0 1.572 ± 0.00405
p1 5.704e-06 ± 1.503e-06
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
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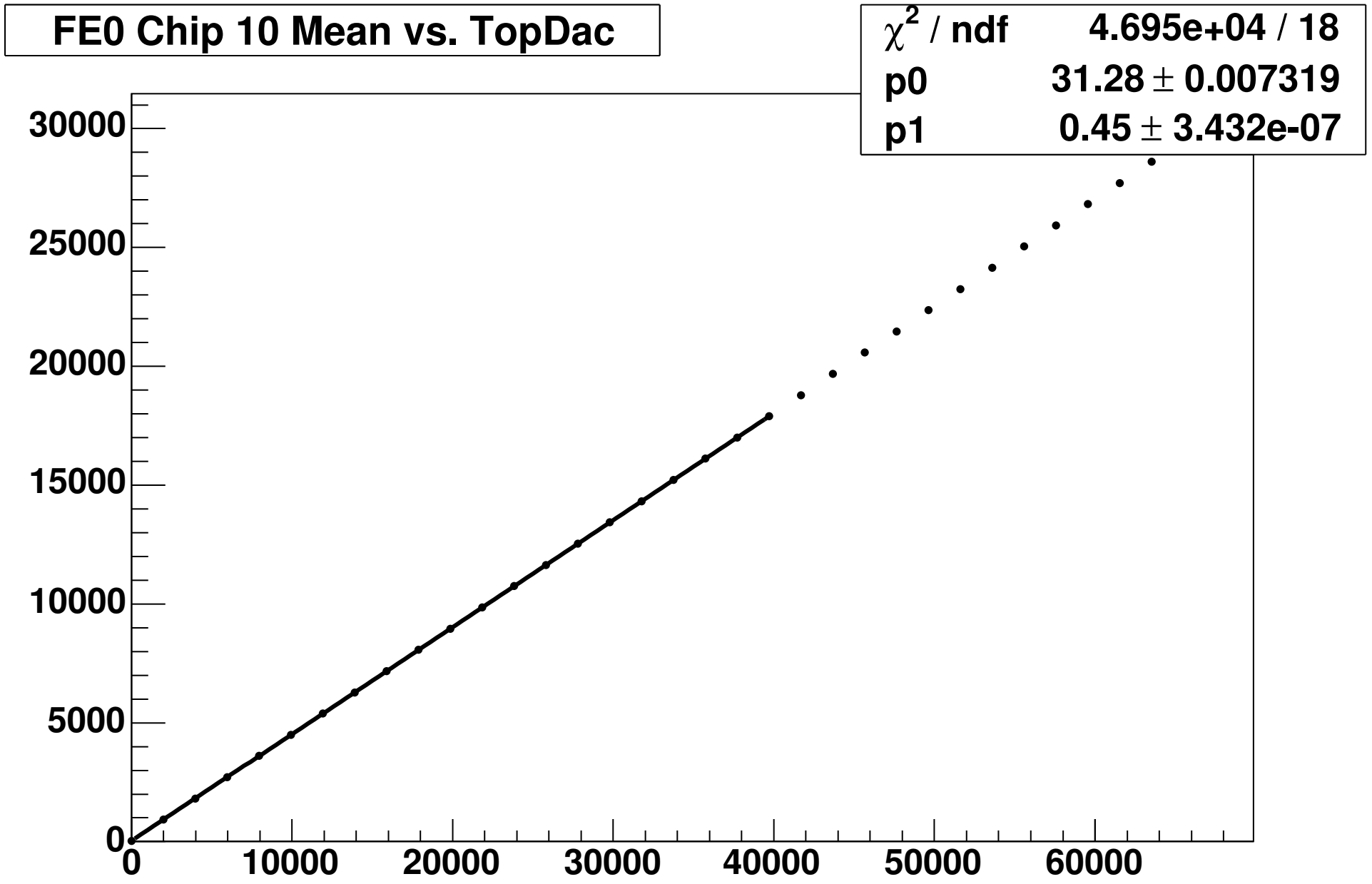
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 4.695e+04 / 18
p0 31.28 ± 0.007319
p1 0.45 ± 3.432e-07
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10000
5000
0
0
10000
20000
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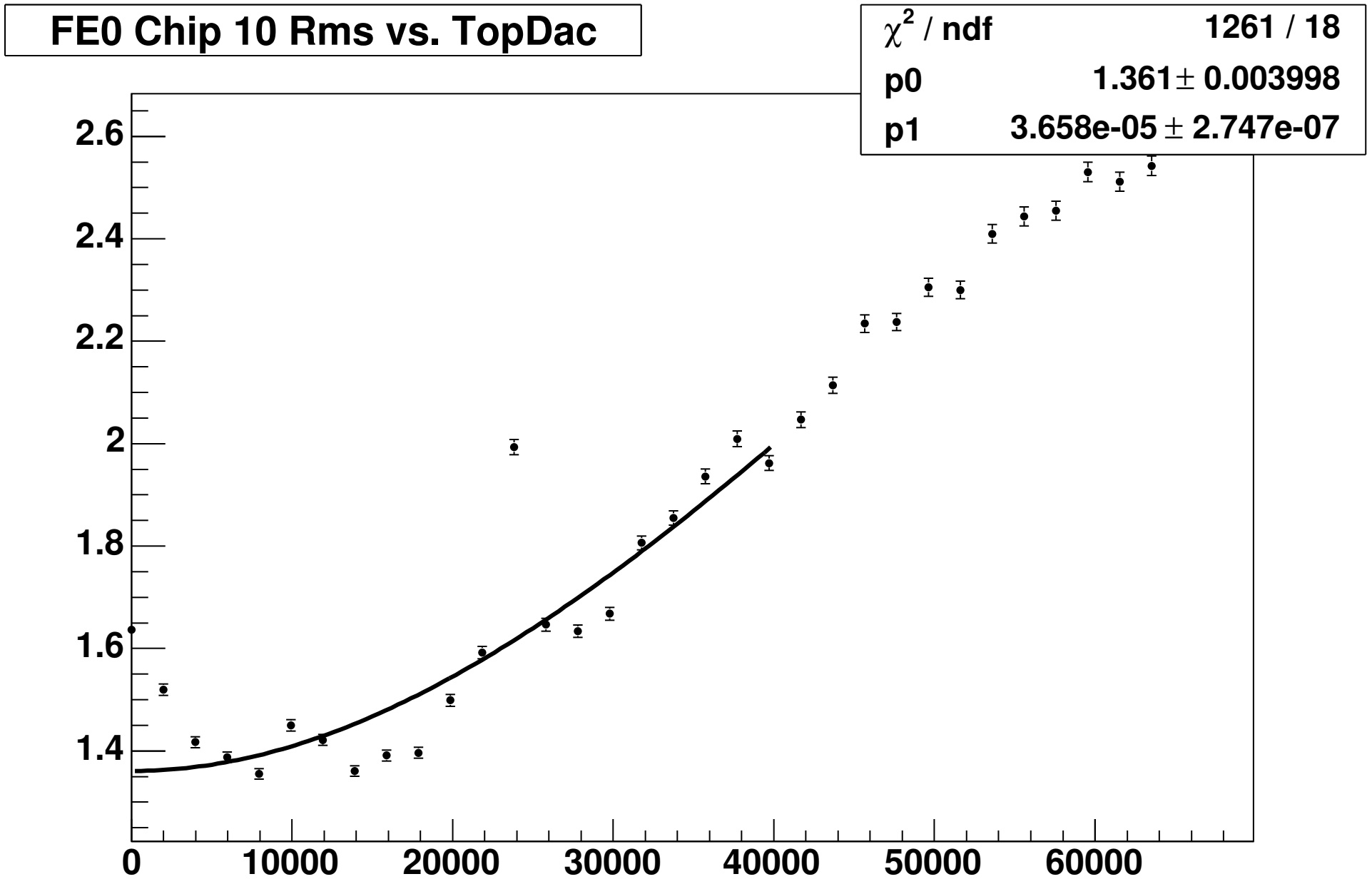
40000
50000
60000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 1261 / 18
p0 1.361 ± 0.003998
p1 3.658e-05 ± 2.747e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
50000
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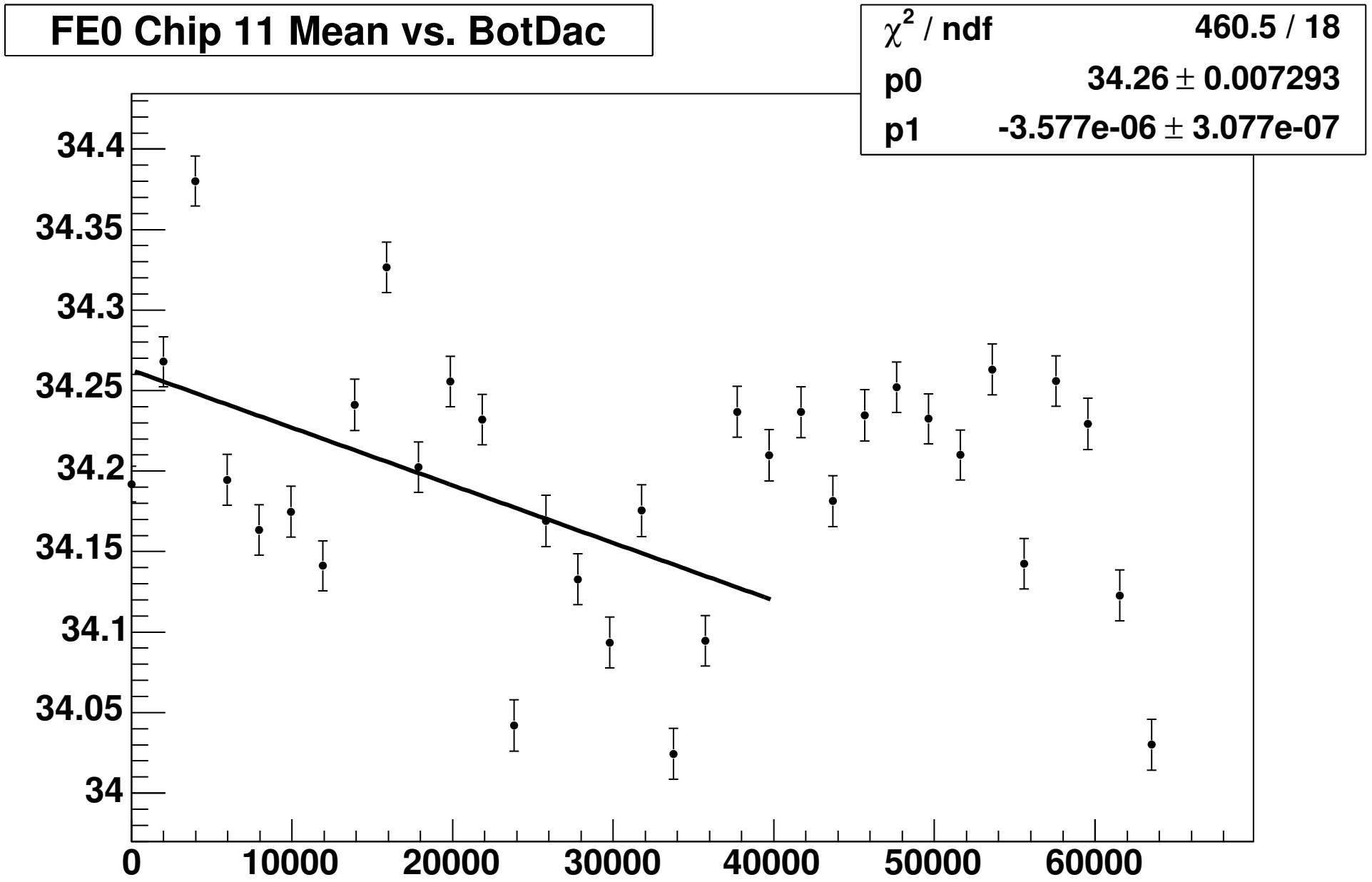
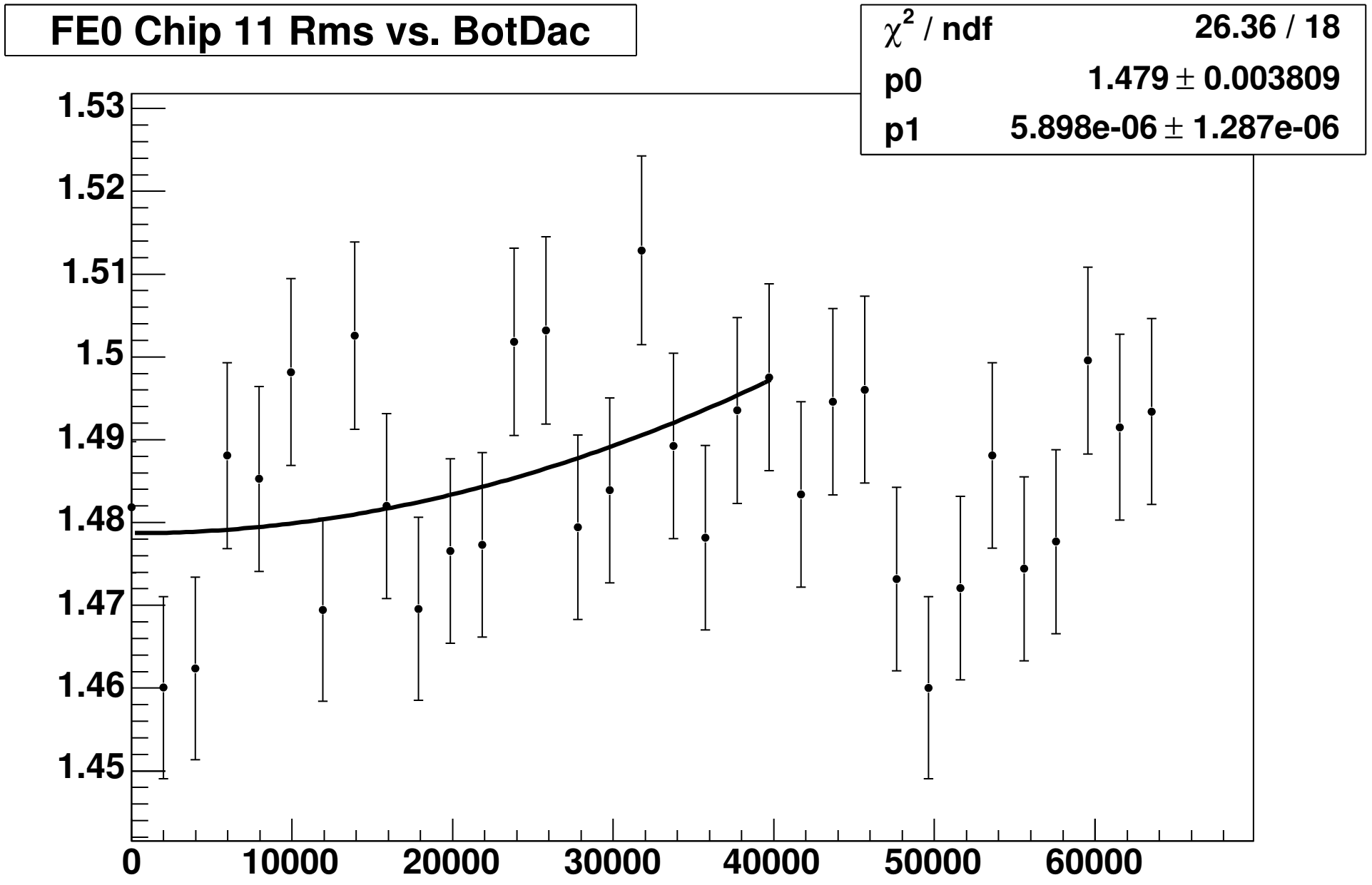

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 460.5 / 18
p0 34.26 ± 0.007293
p1 -3.577e-06 ± 3.077e-07
34.4
34.35
34.3
34.25
34.2
34.15
34.1
34.05
34
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 26.36 / 18
p0 1.479 ± 0.003809
p1 5.898e-06 ± 1.287e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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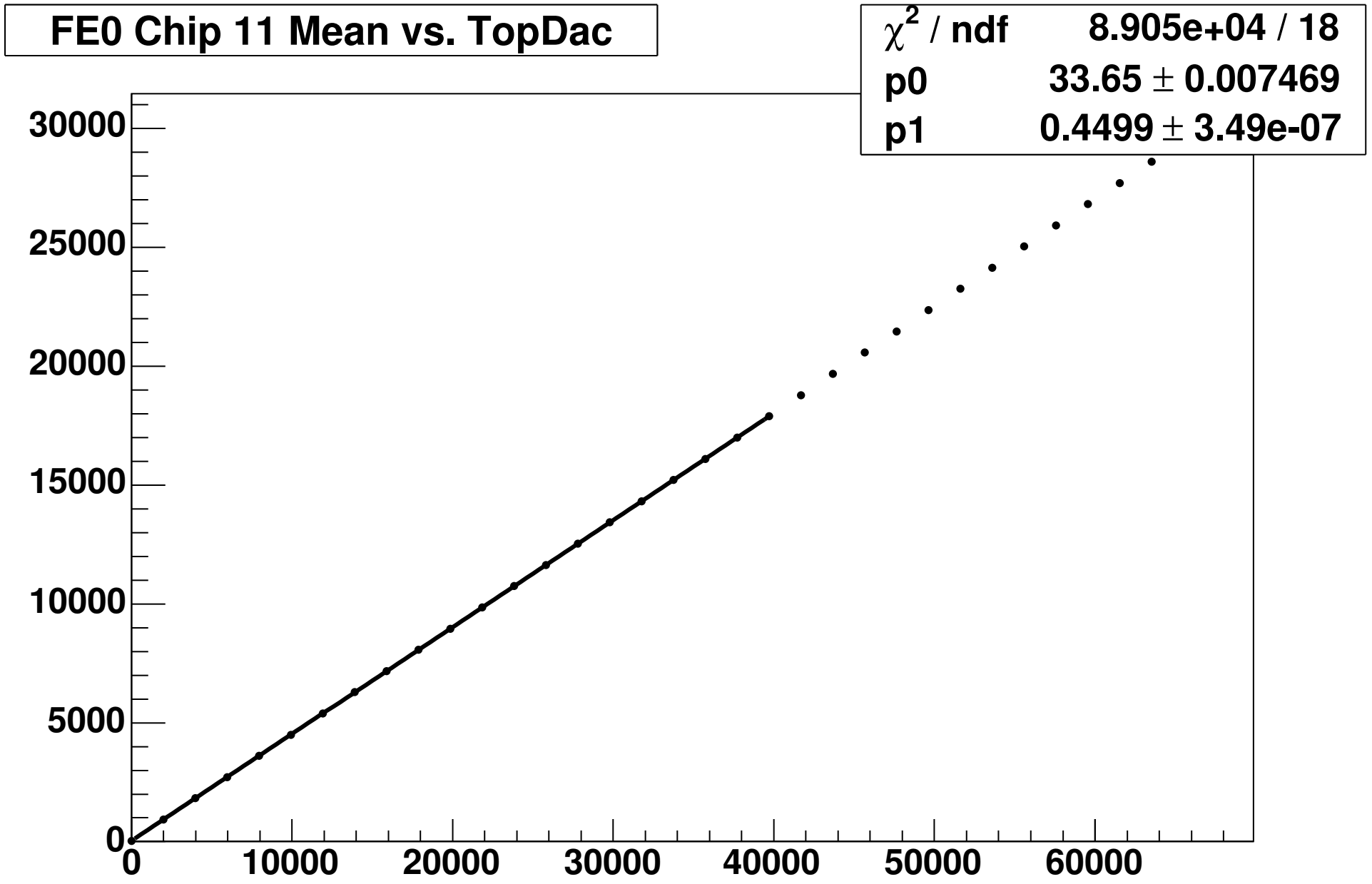
60000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 8.905e+04 / 18
p0 33.65 ± 0.007469
p1 0.4499 ± 3.49e-07
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25000
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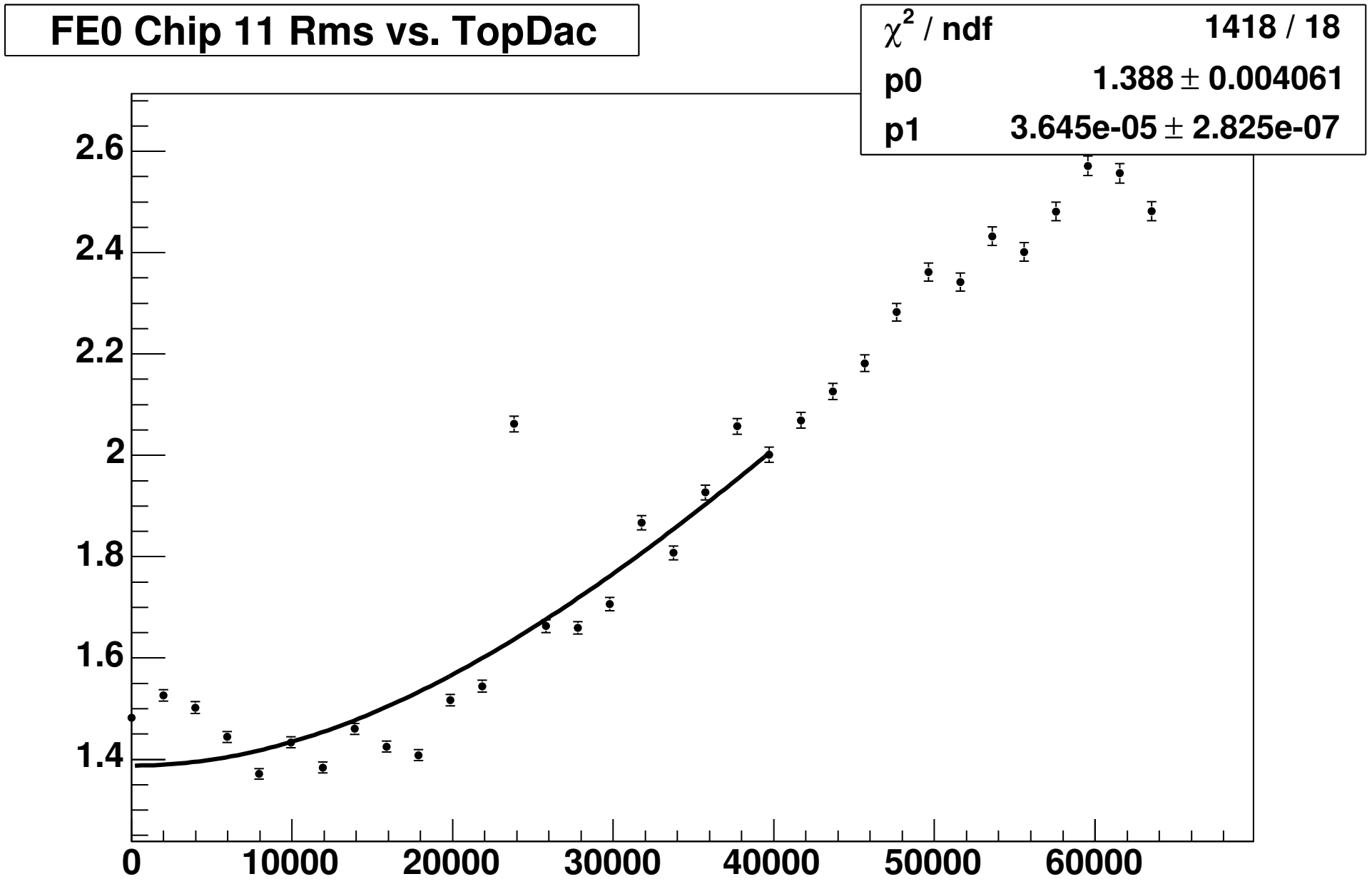
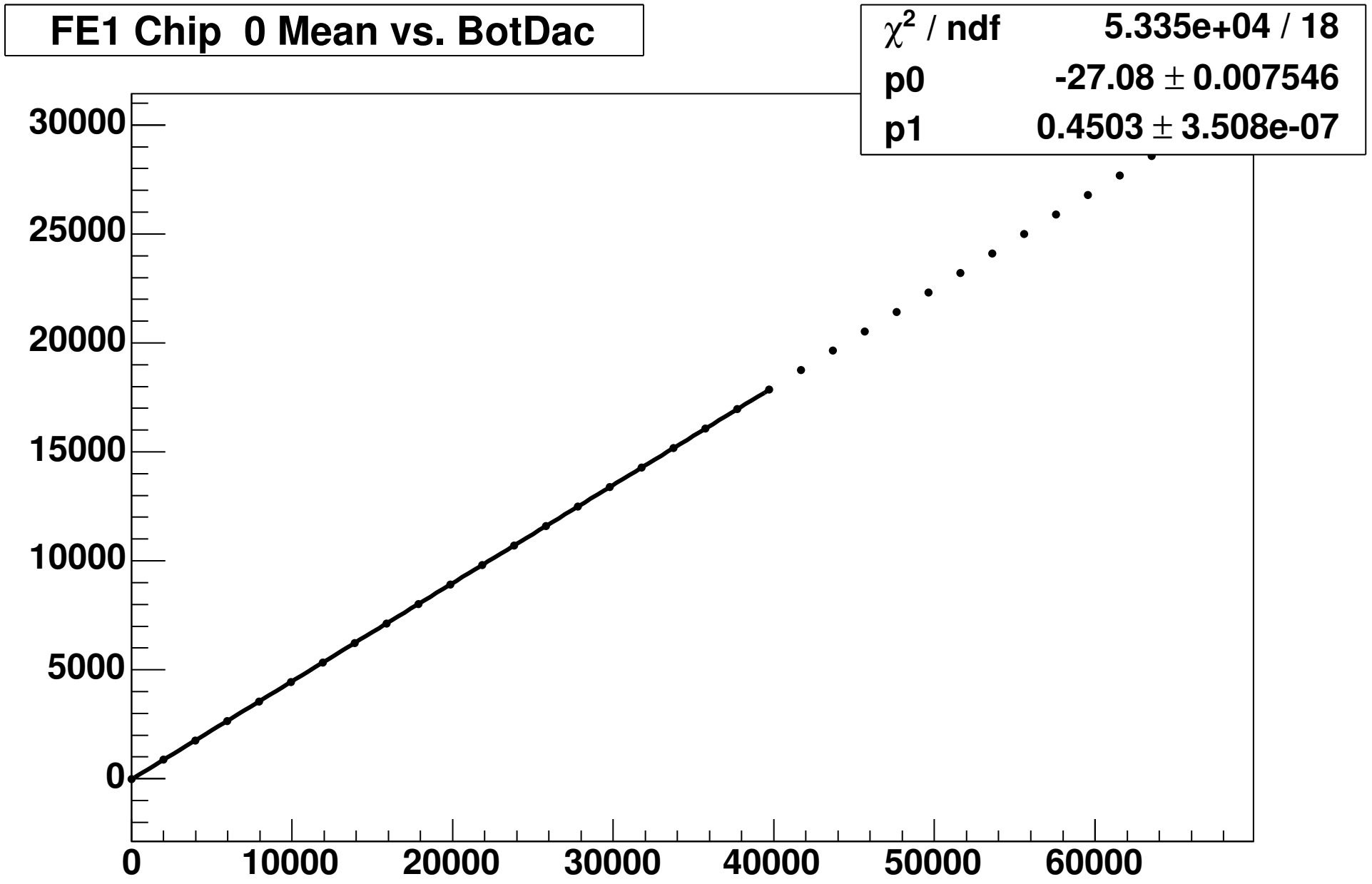
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 1418 / 18
p0 1.388 ± 0.004061
p1 3.645e-05 ± 2.825e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 5.335e+04 / 18
p0 -27.08 ± 0.007546
p1 0.4503 ± 3.508e-07
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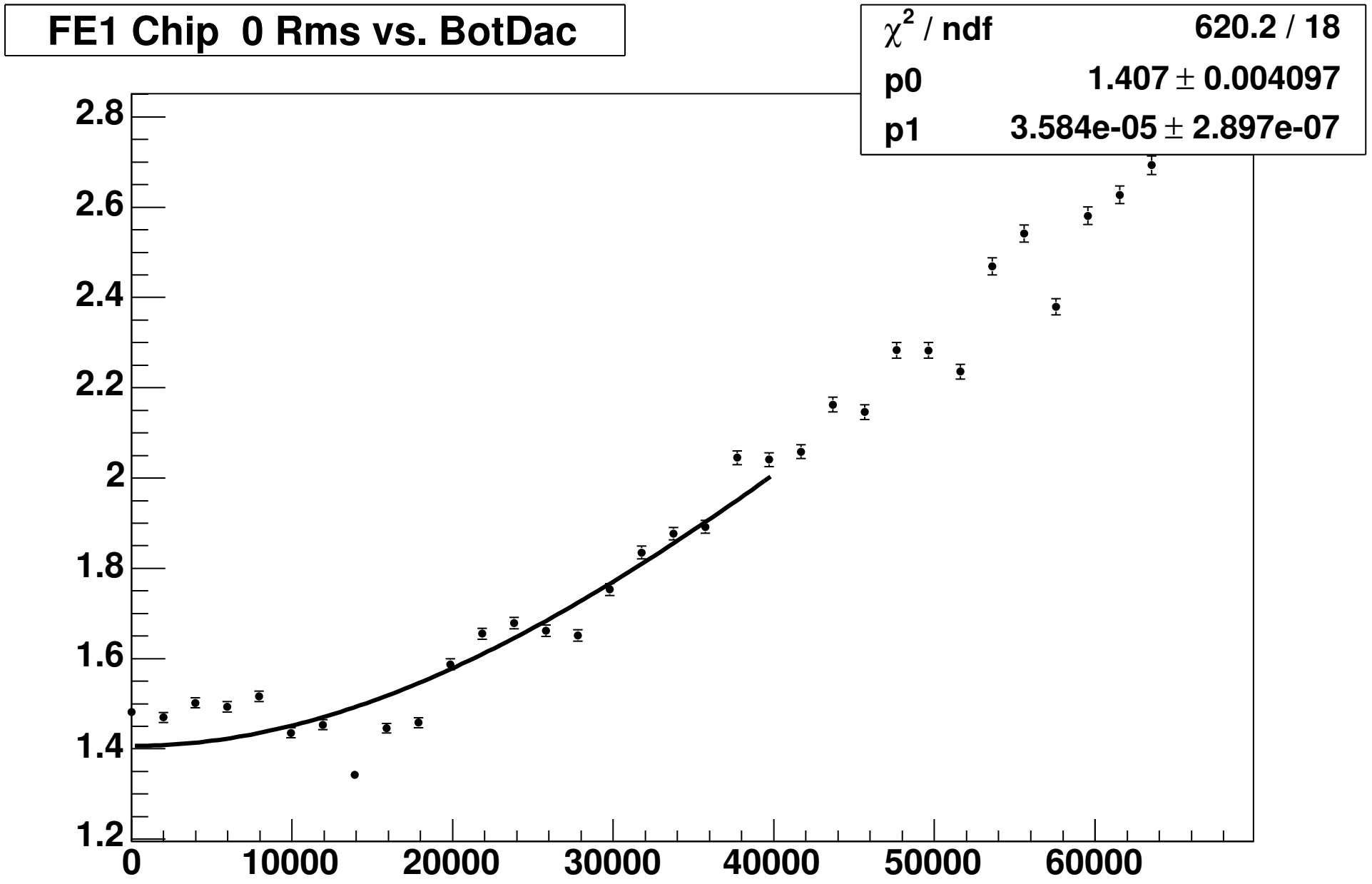
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 620.2 / 18
p0 1.407 ± 0.004097
p1 3.584e-05 ± 2.897e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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40000
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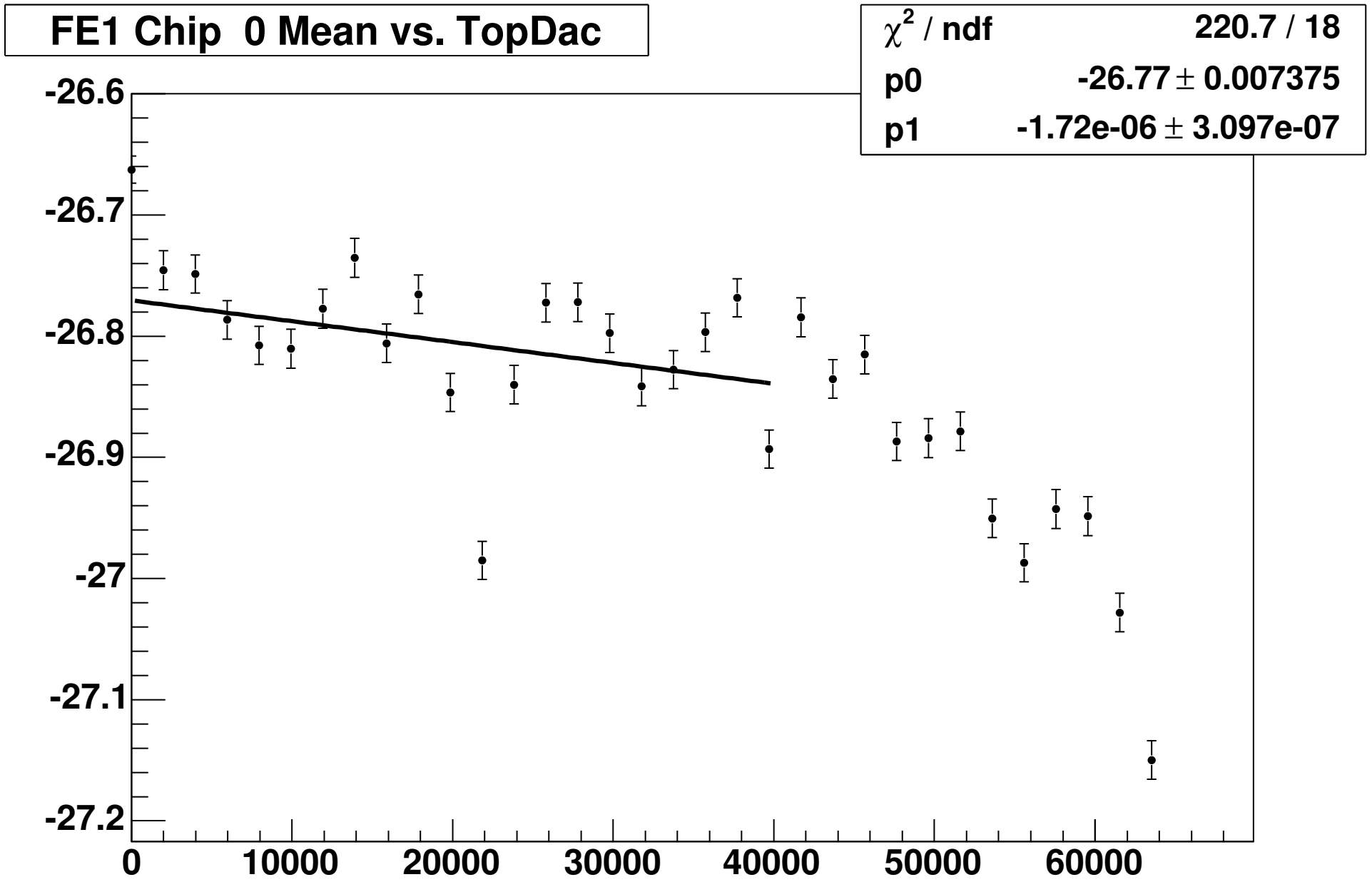
FE1 Chip 0 Mean vs. TopDac
χ² / ndf 220.7 / 18
p0 -26.77 ± 0.007375
p1 -1.72e-06 ± 3.097e-07
-26.6
-26.7
-26.8
-26.9
-27
-27.1
-27.2
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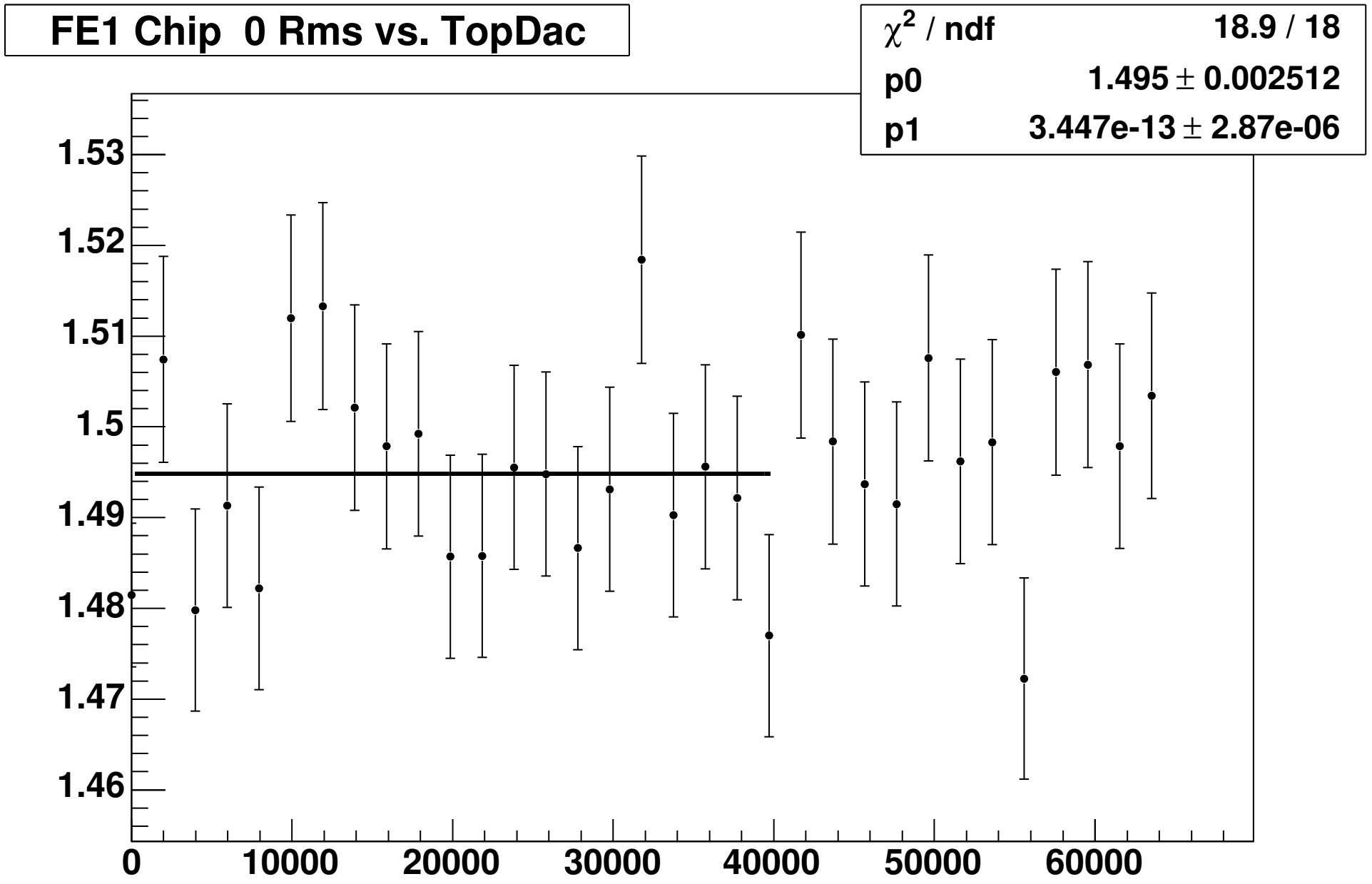
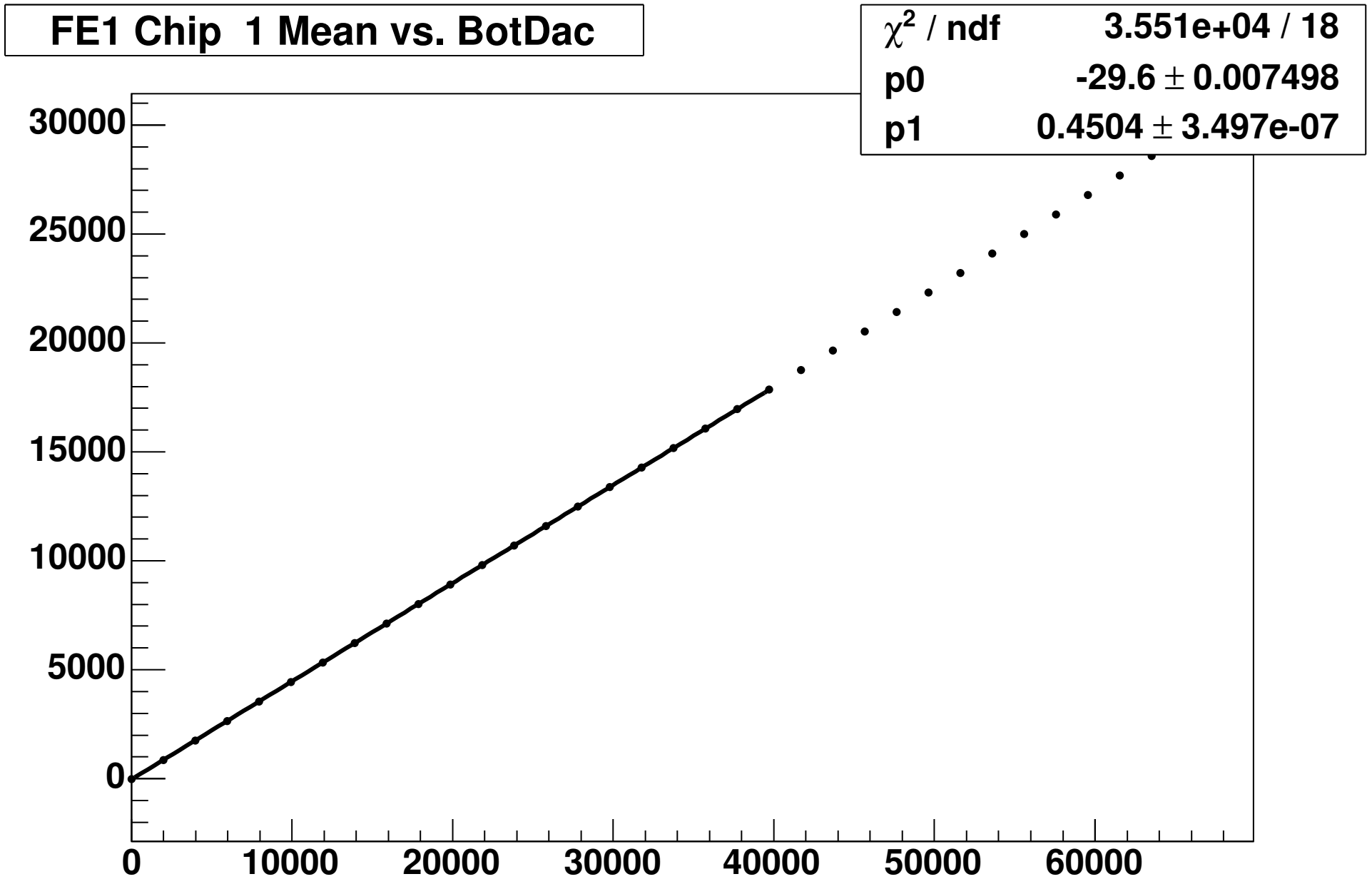

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 18.9 / 18
p0 1.495 ± 0.002512
p1 3.447e-13 ± 2.87e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 3.551e+04 / 18
p0 -29.6 ± 0.007498
p1 0.4504 ± 3.497e-07
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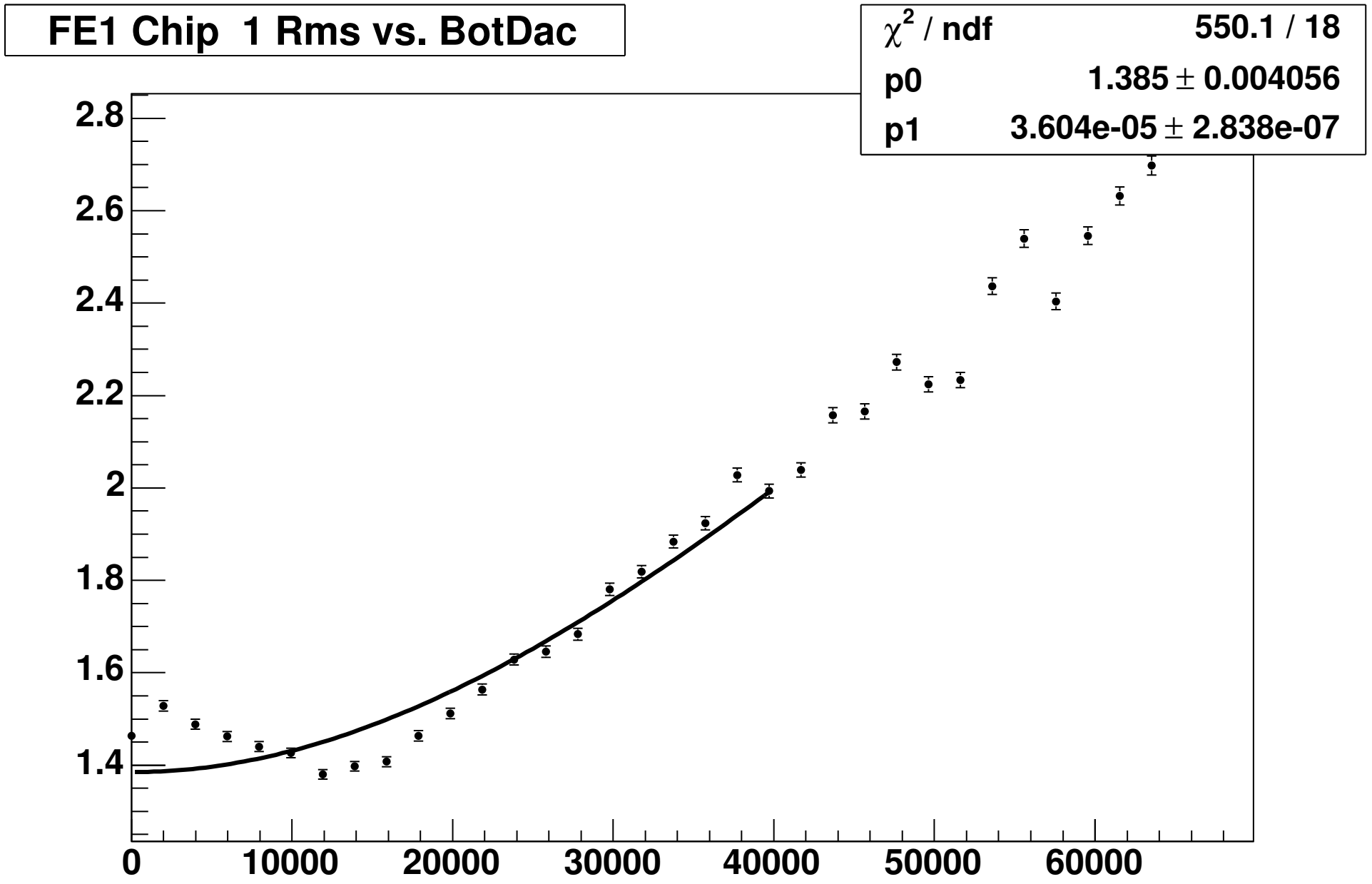
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 550.1 / 18
p0 1.385 ± 0.004056
p1 3.604e-05 ± 2.838e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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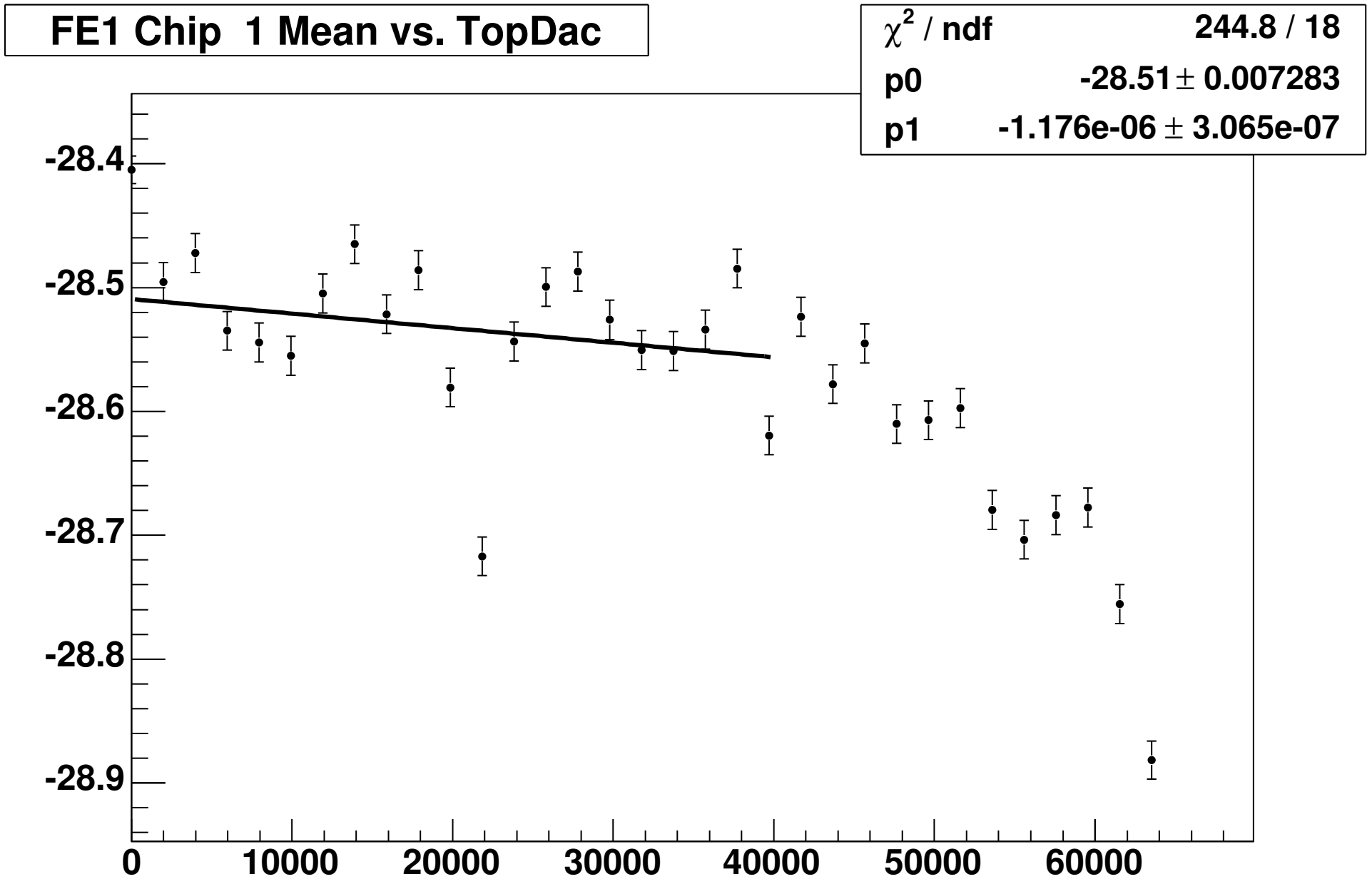
50000
60000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 244.8 / 18
p0 -28.51 ± 0.007283
p1 -1.176e-06 ± 3.065e-07
-28.4
-28.5
-28.6
-28.7
-28.8
-28.9
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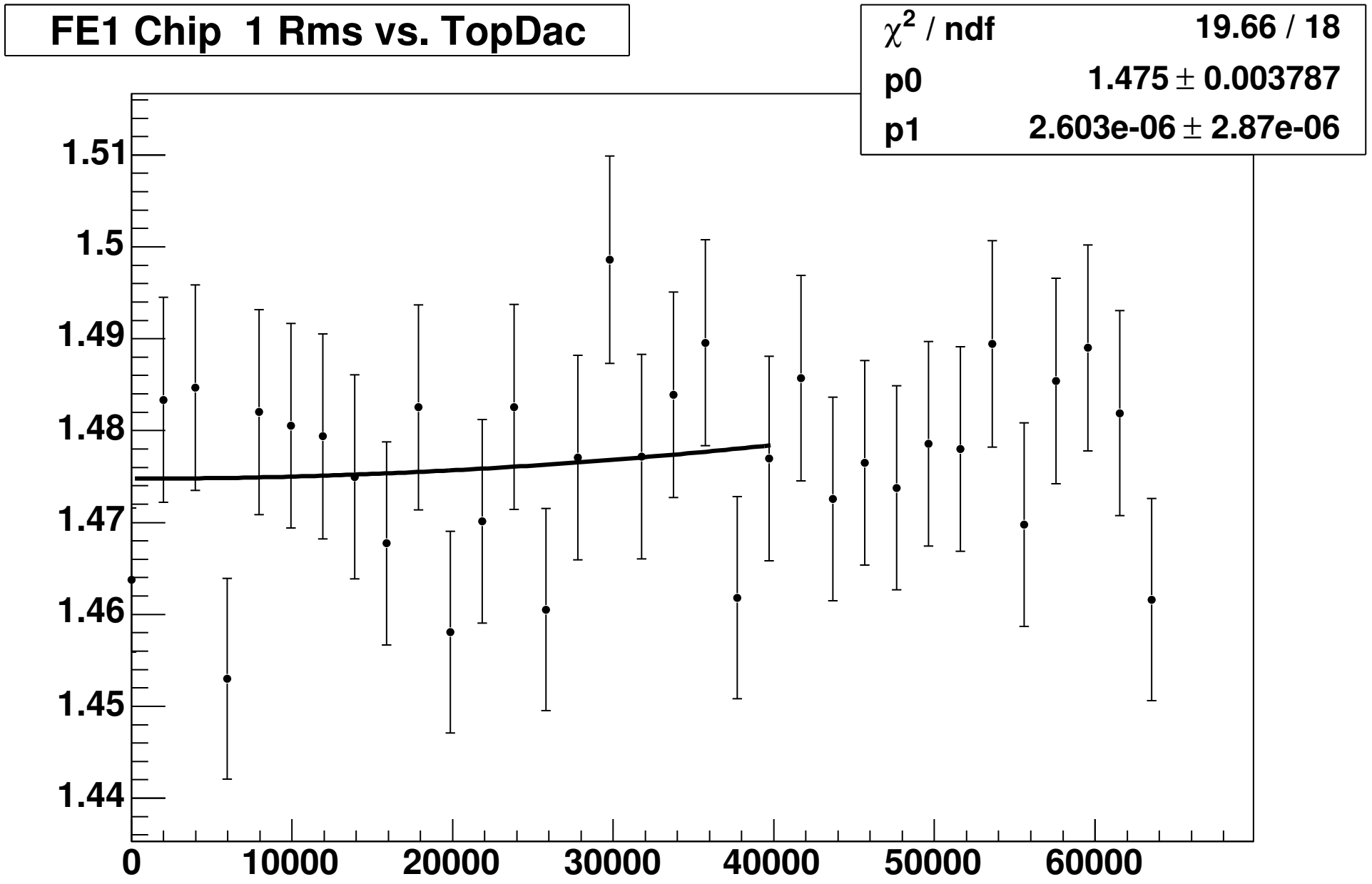
60000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 19.66 / 18
p0 1.475 ± 0.003787
p1 2.603e-06 ± 2.87e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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10000
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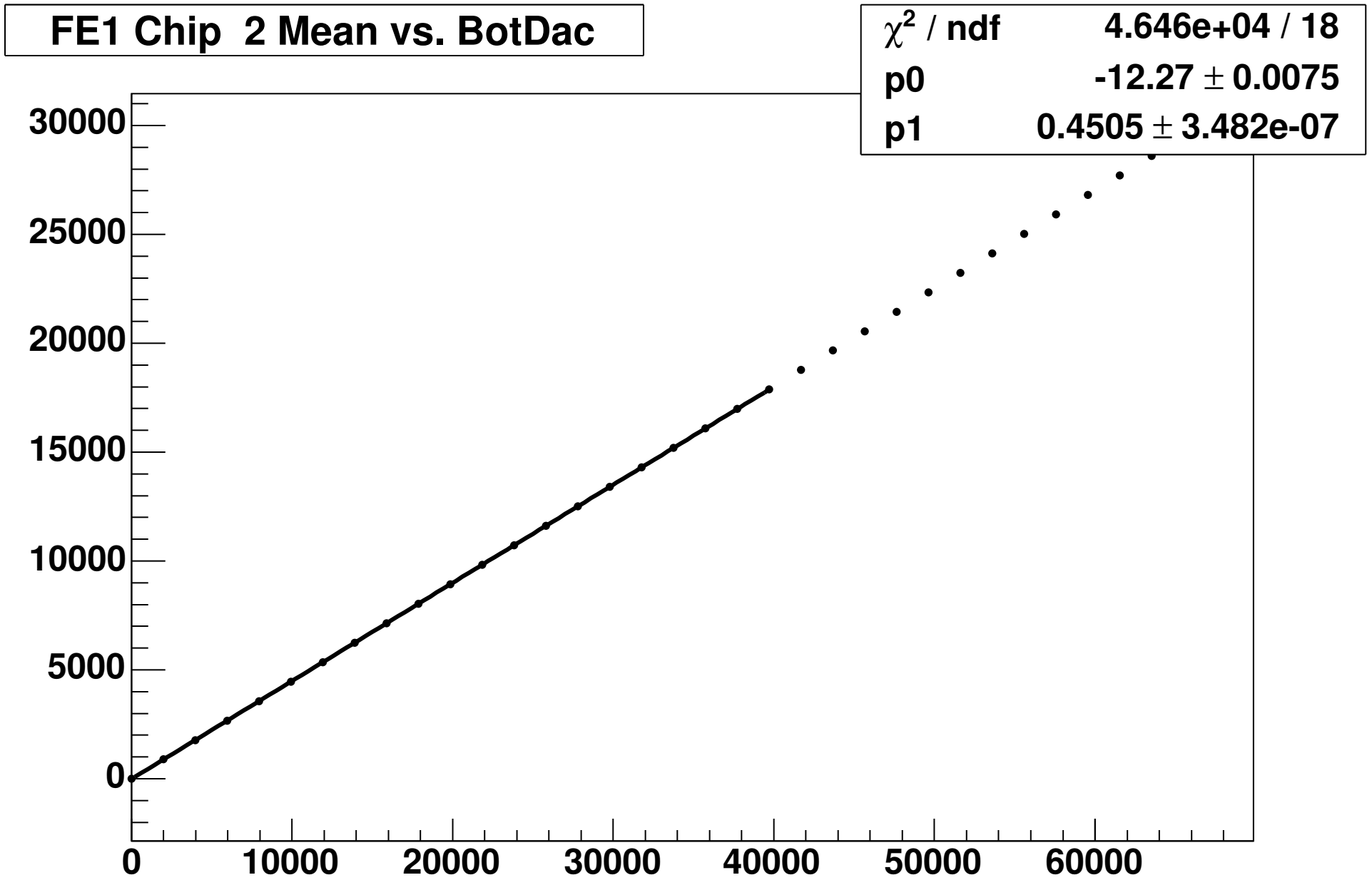
50000
60000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 4.646e+04 / 18
p0 -12.27 ± 0.0075
p1 0.4505 ± 3.482e-07
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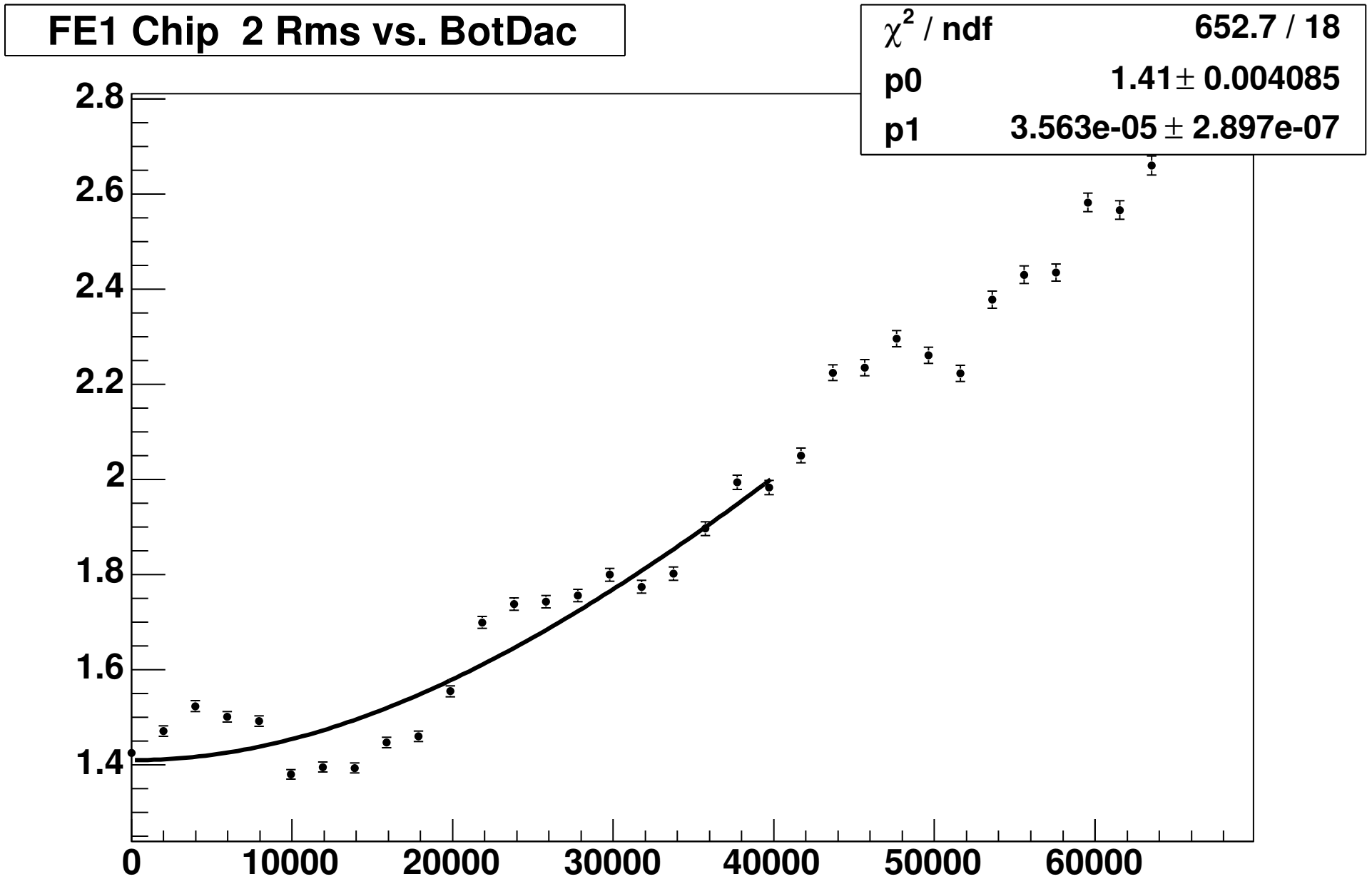
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 652.7 / 18
p0 1.41 ± 0.004085
p1 3.563e-05 ± 2.897e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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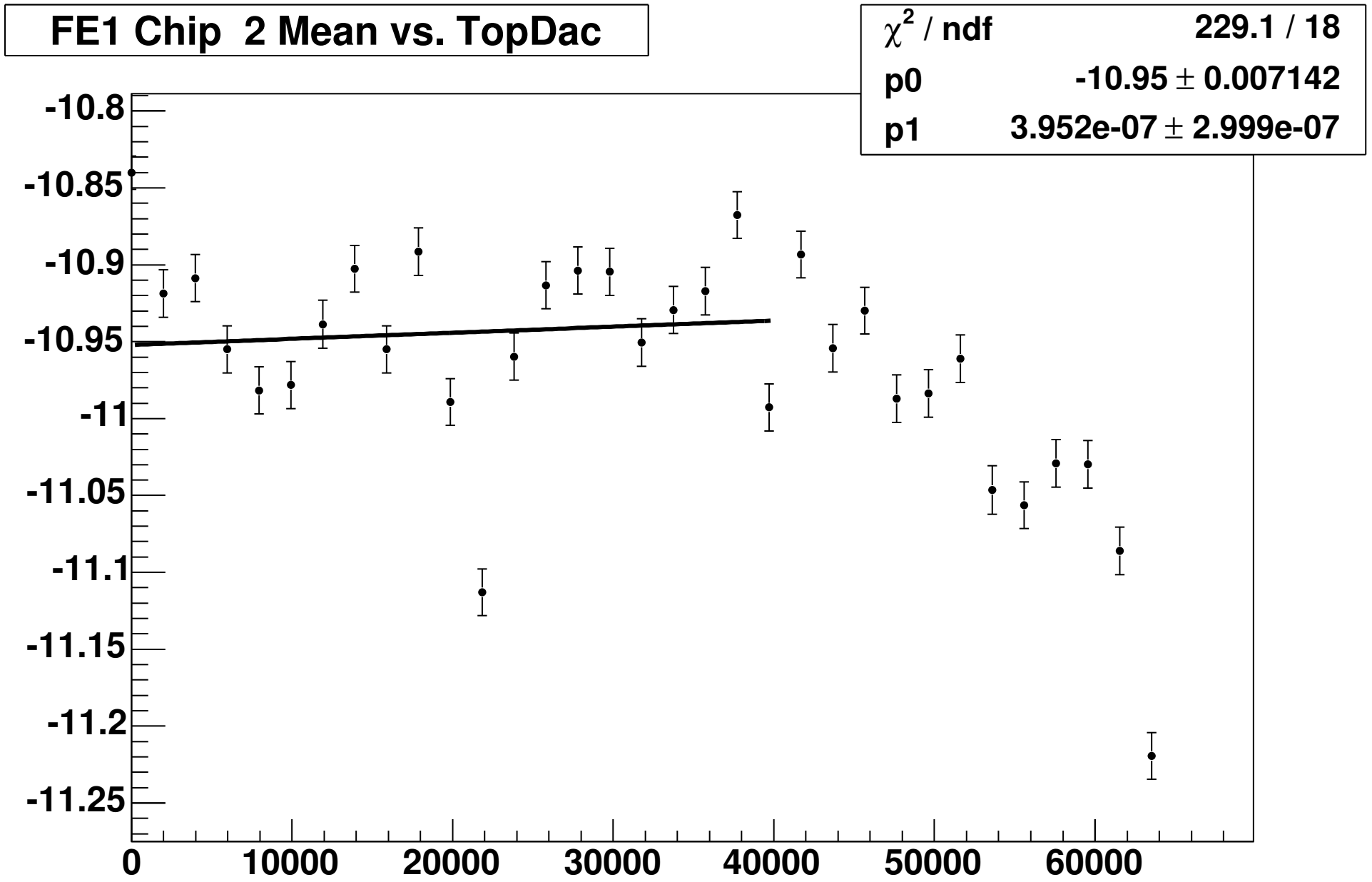
60000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 229.1 / 18
p0 -10.95 ± 0.007142
p1 3.952e-07 ± 2.999e-07
-10.8
-10.85
-10.9
-10.95
-11
-11.05
-11.1
-11.15
-11.2
-11.25
0
10000
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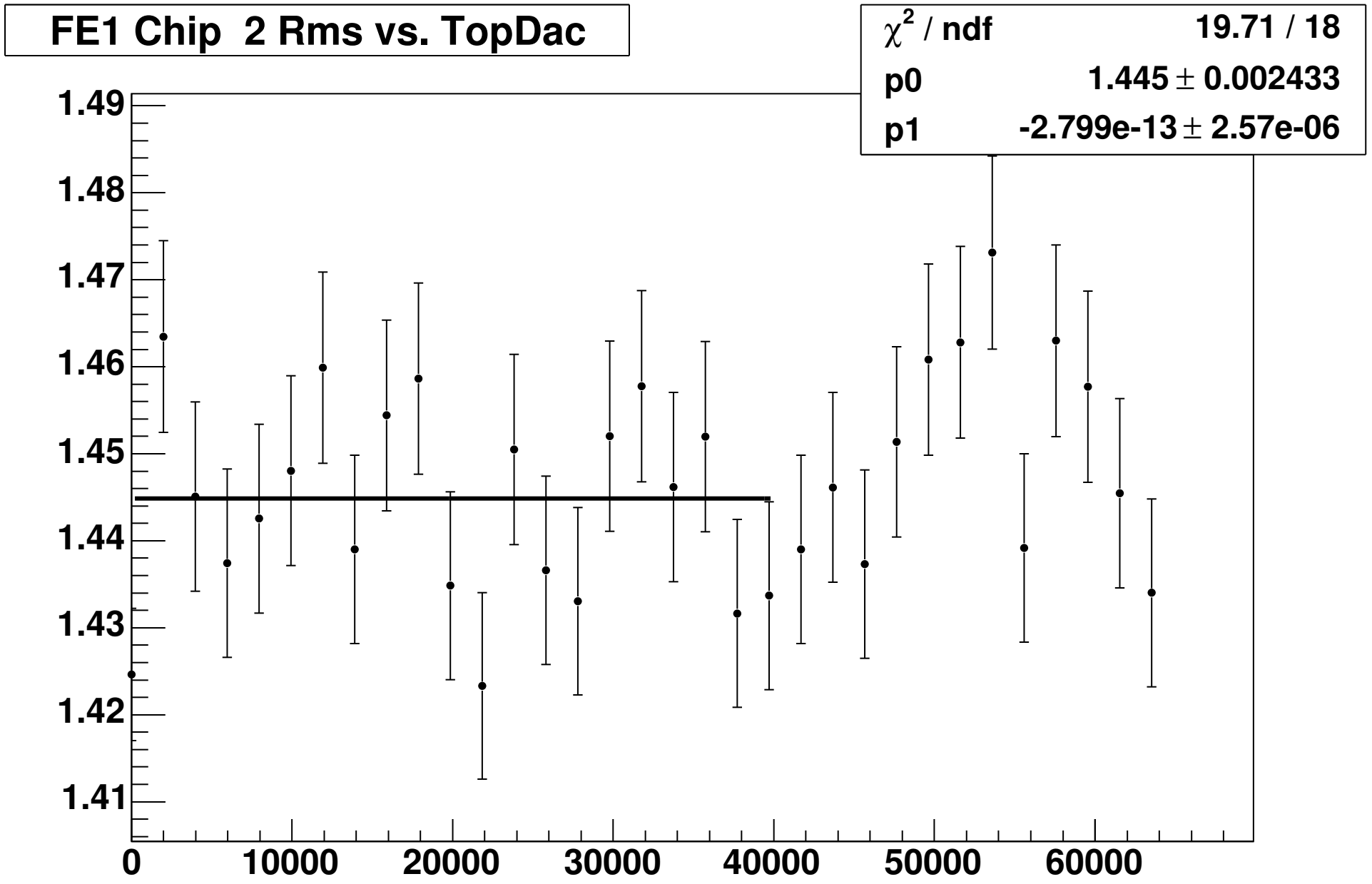
30000
40000
50000
60000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 19.71 / 18
p0 1.445 ± 0.002433
p1 -2.799e-13 ± 2.57e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
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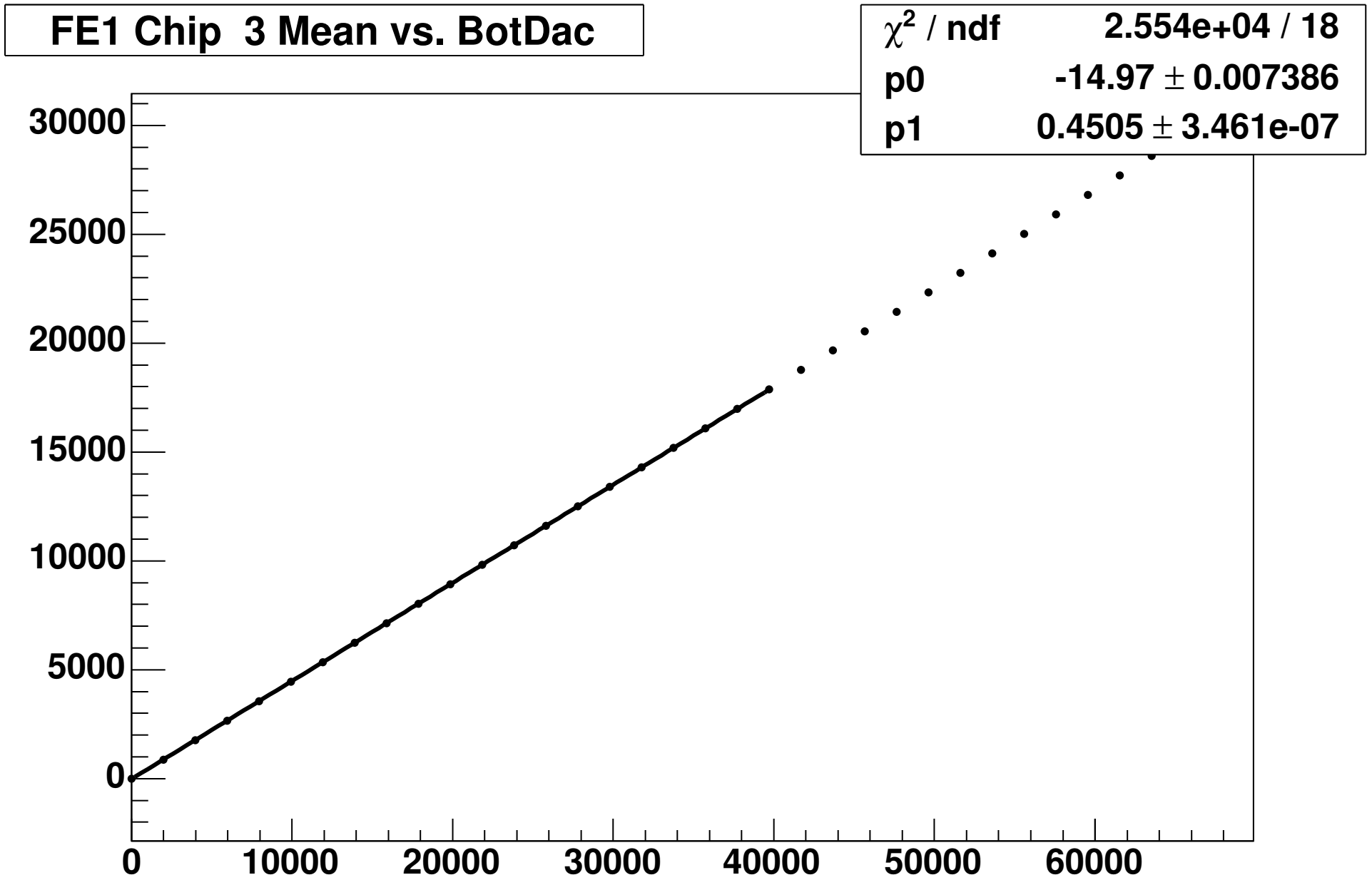
FE1 Chip 3 Mean vs. BotDac
χ² / ndf 2.554e+04 / 18
p0 -14.97 ± 0.007386
p1 0.4505 ± 3.461e-07
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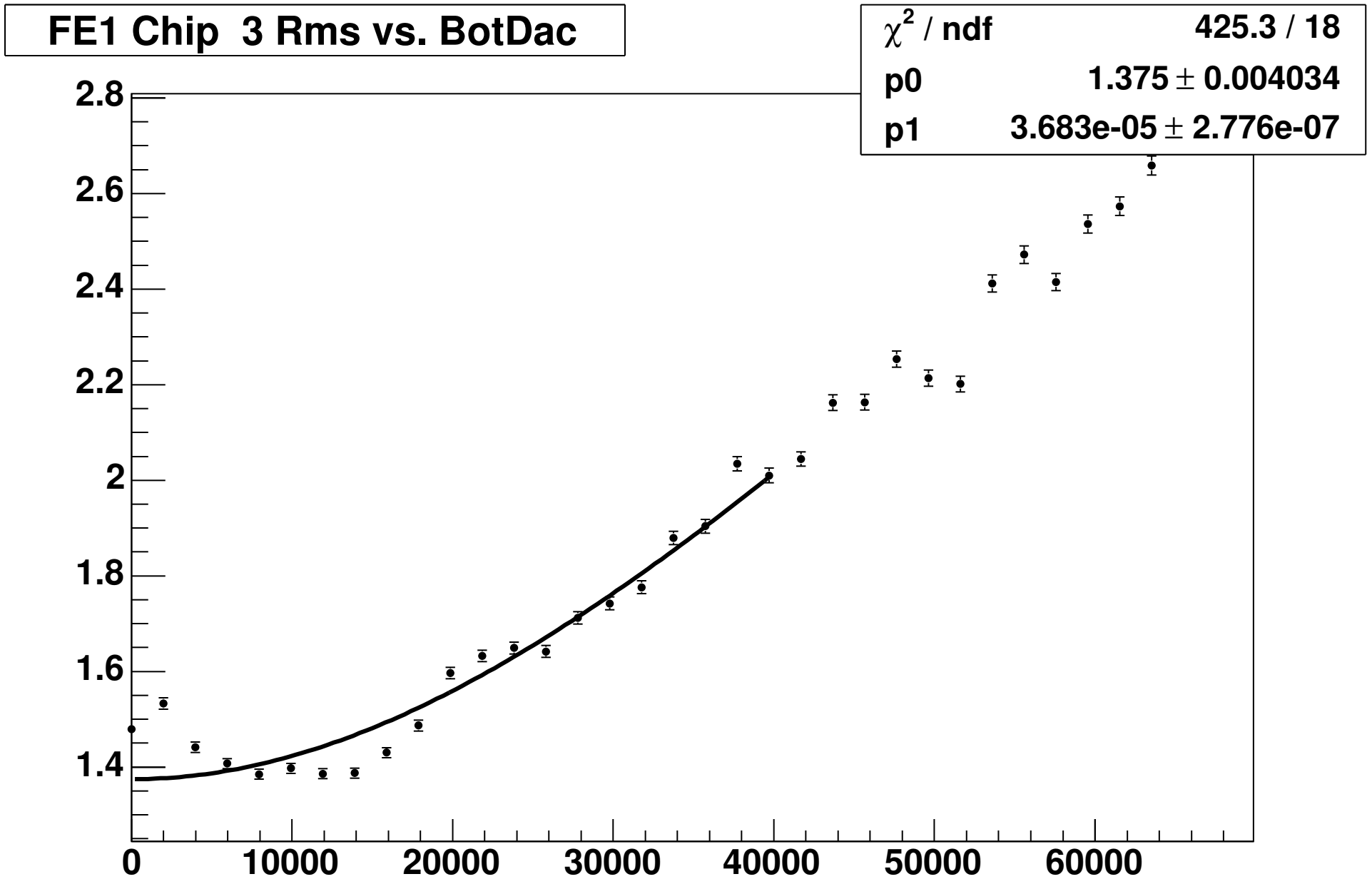
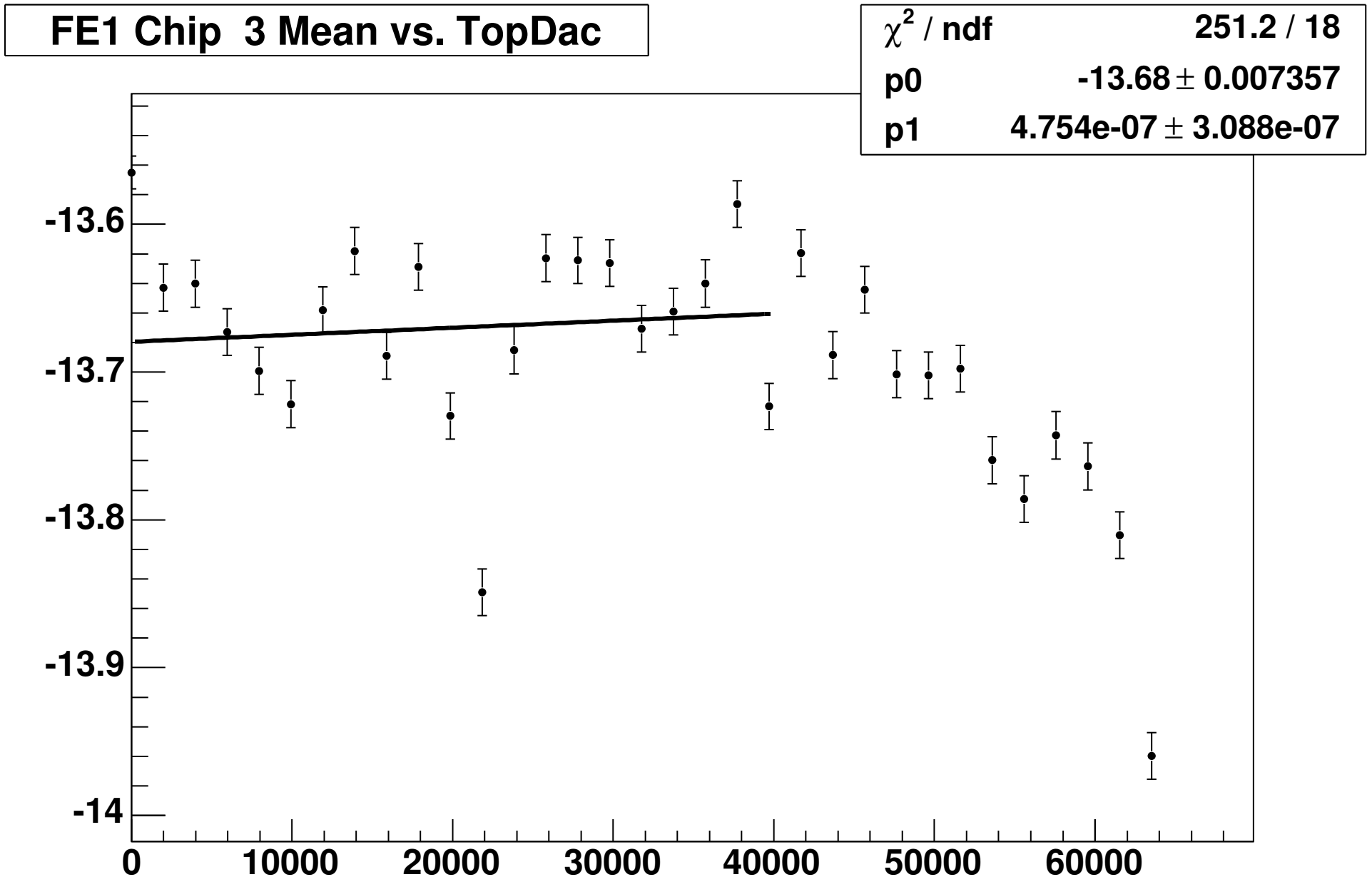
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 425.3 / 18
p0 1.375 ± 0.004034
p1 3.683e-05 ± 2.776e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 251.2 / 18
p0 -13.68 ± 0.007357
p1 4.754e-07 ± 3.088e-07
-13.6
-13.7
-13.8
-13.9
-14
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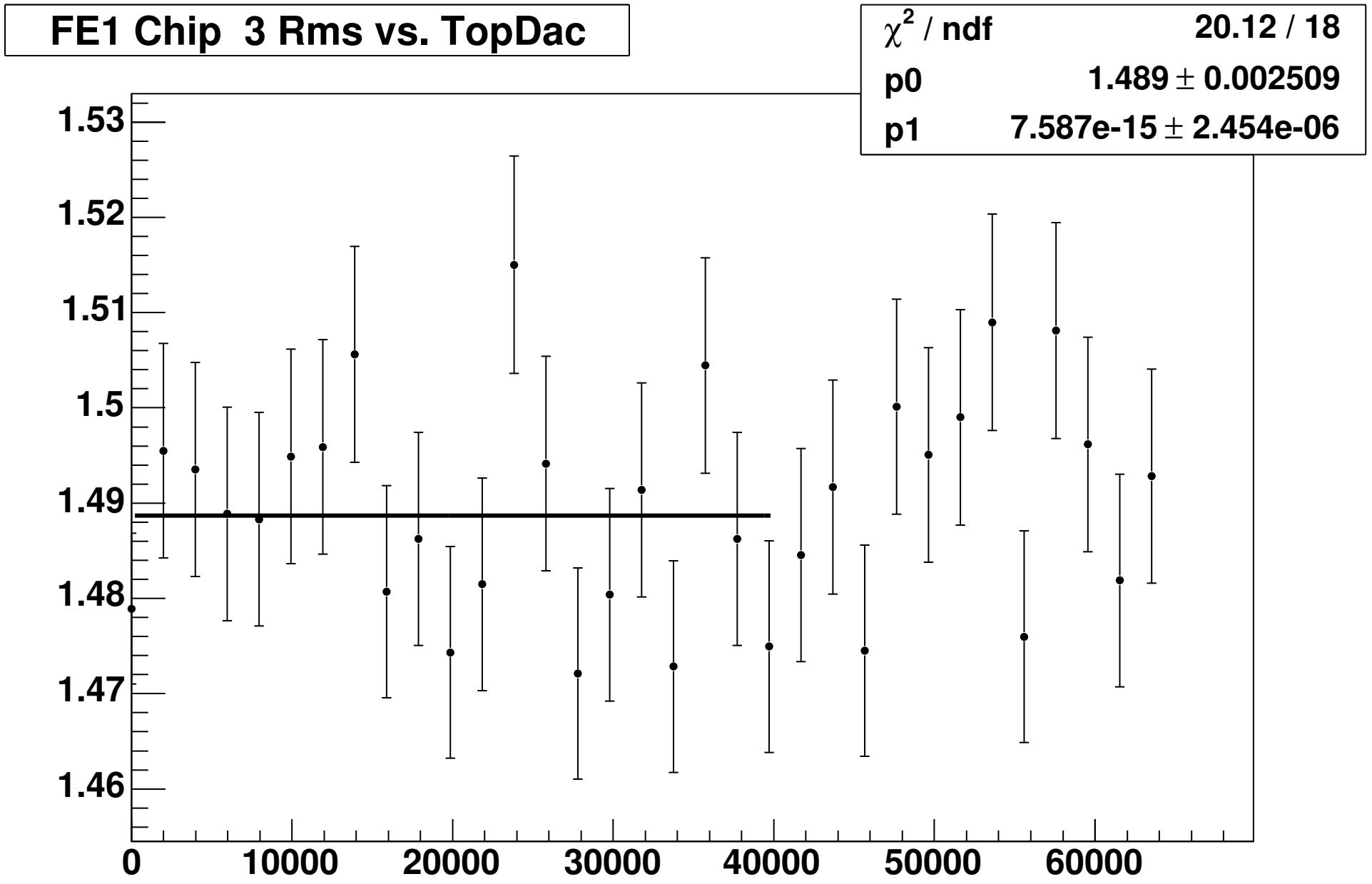
FE1 Chip 3 Rms vs. TopDac
χ² / ndf 20.12 / 18
p0 1.489 ± 0.002509
p1 7.587e-15 ± 2.454e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
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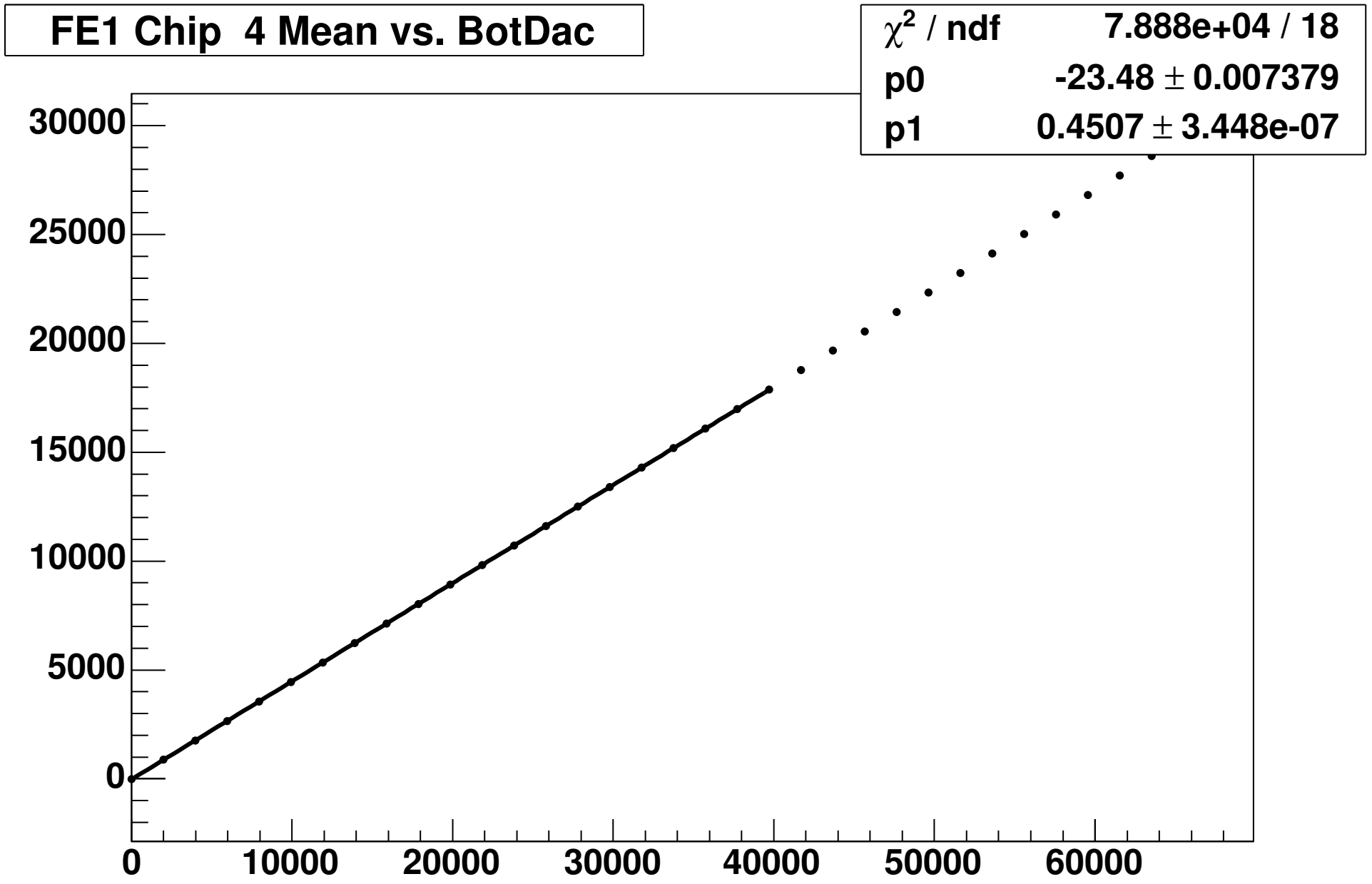
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 7.888e+04 / 18
p0 -23.48 ± 0.007379
p1 0.4507 ± 3.448e-07
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25000
20000
15000
10000
5000
0
0
10000
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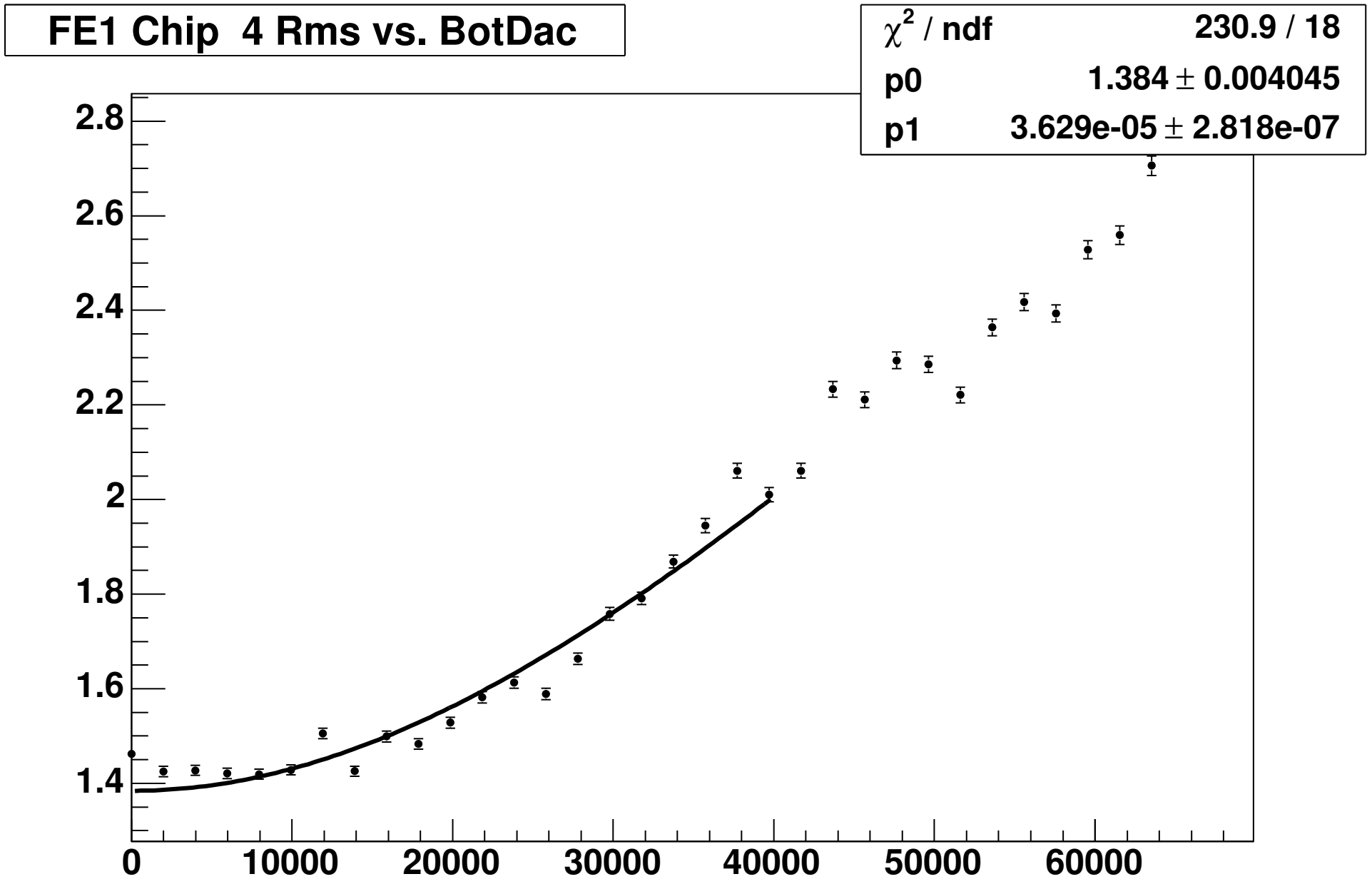
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 230.9 / 18
p0 1.384 ± 0.004045
p1 3.629e-05 ± 2.818e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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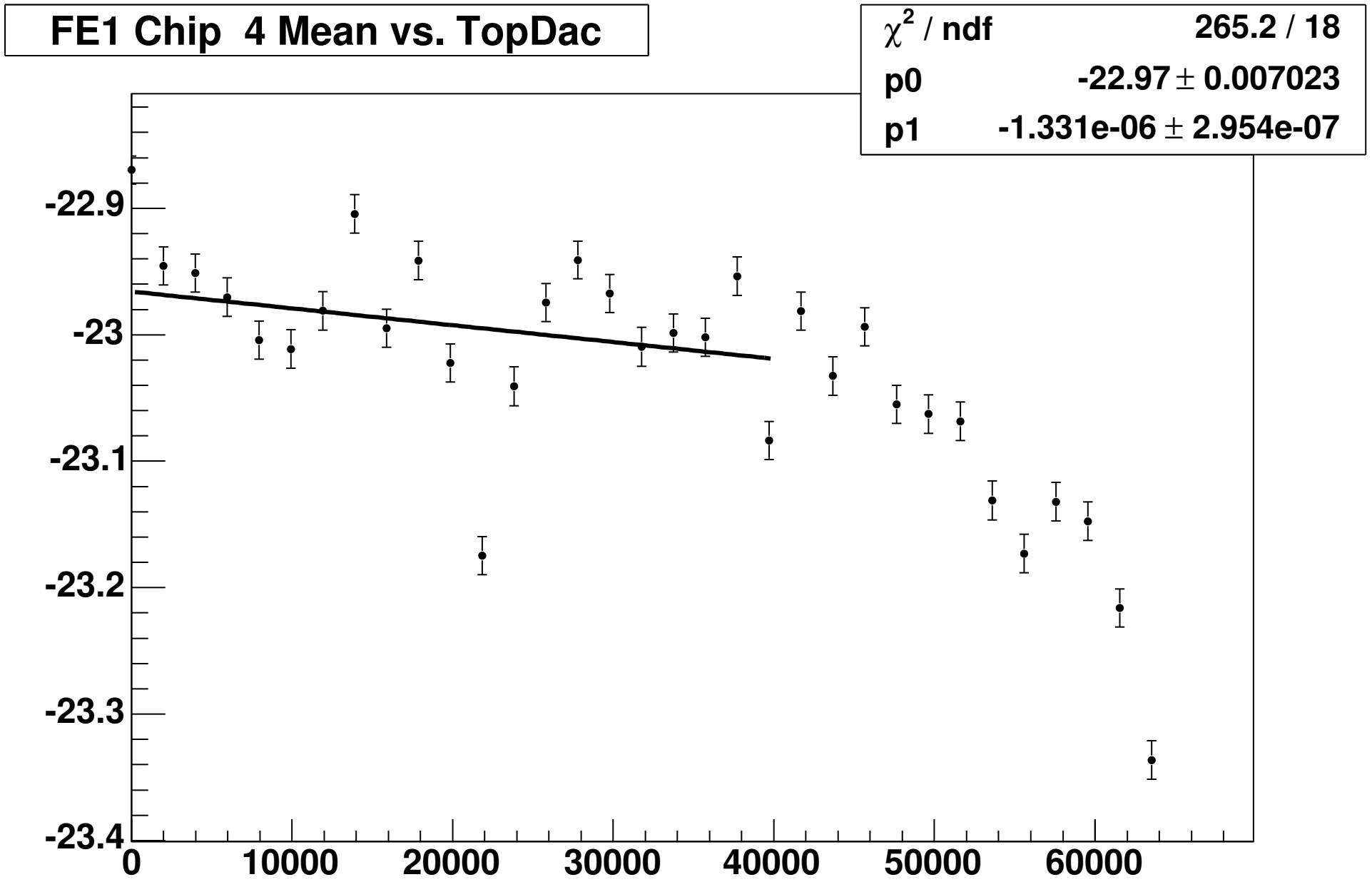
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 265.2 / 18
p0 -22.97 ± 0.007023
p1 -1.331e-06 ± 2.954e-07
-22.9
-23
-23.1
-23.2
-23.3
-23.4
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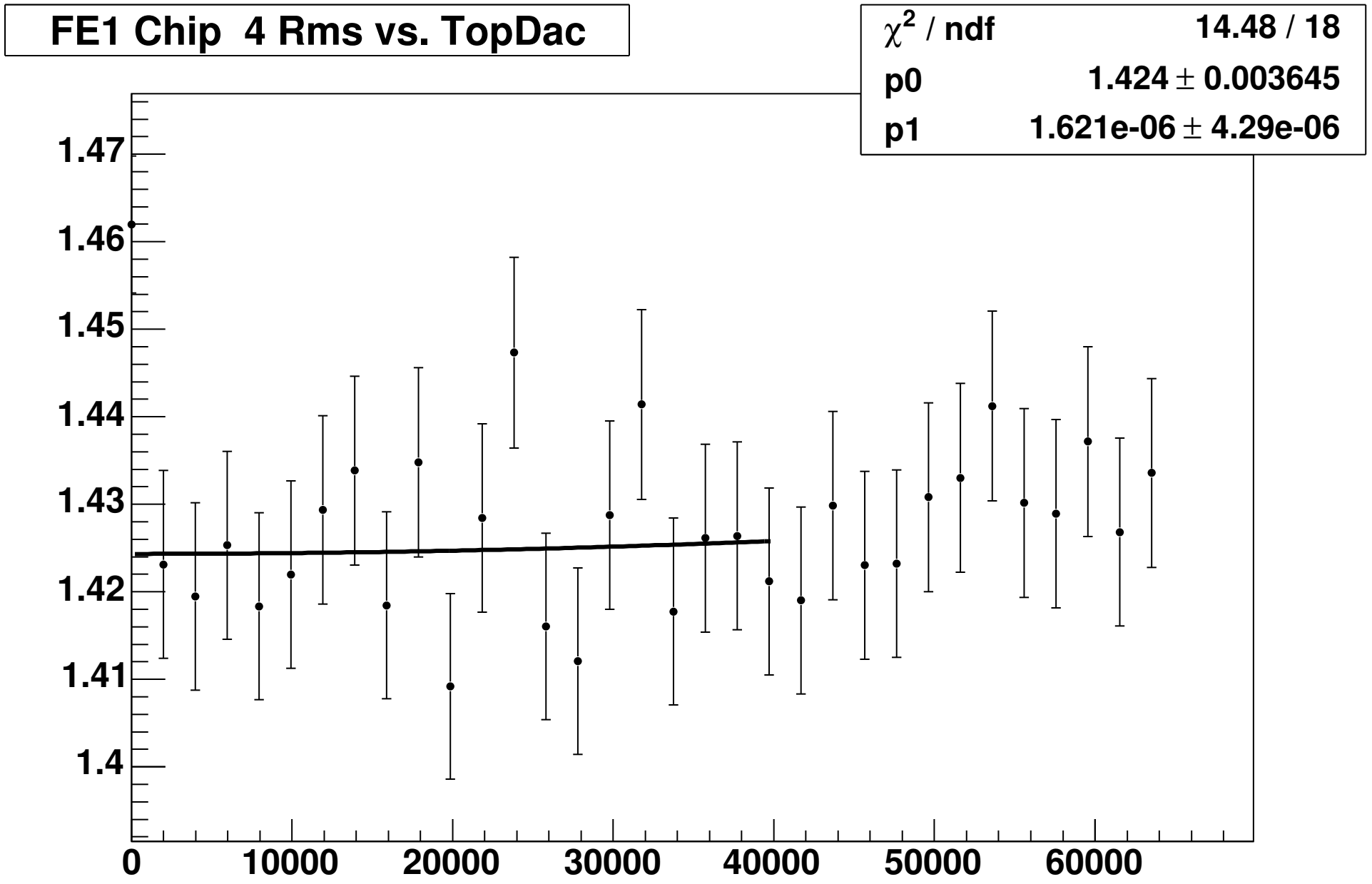
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 14.48 / 18
p0 1.424 ± 0.003645
p1 1.621e-06 ± 4.29e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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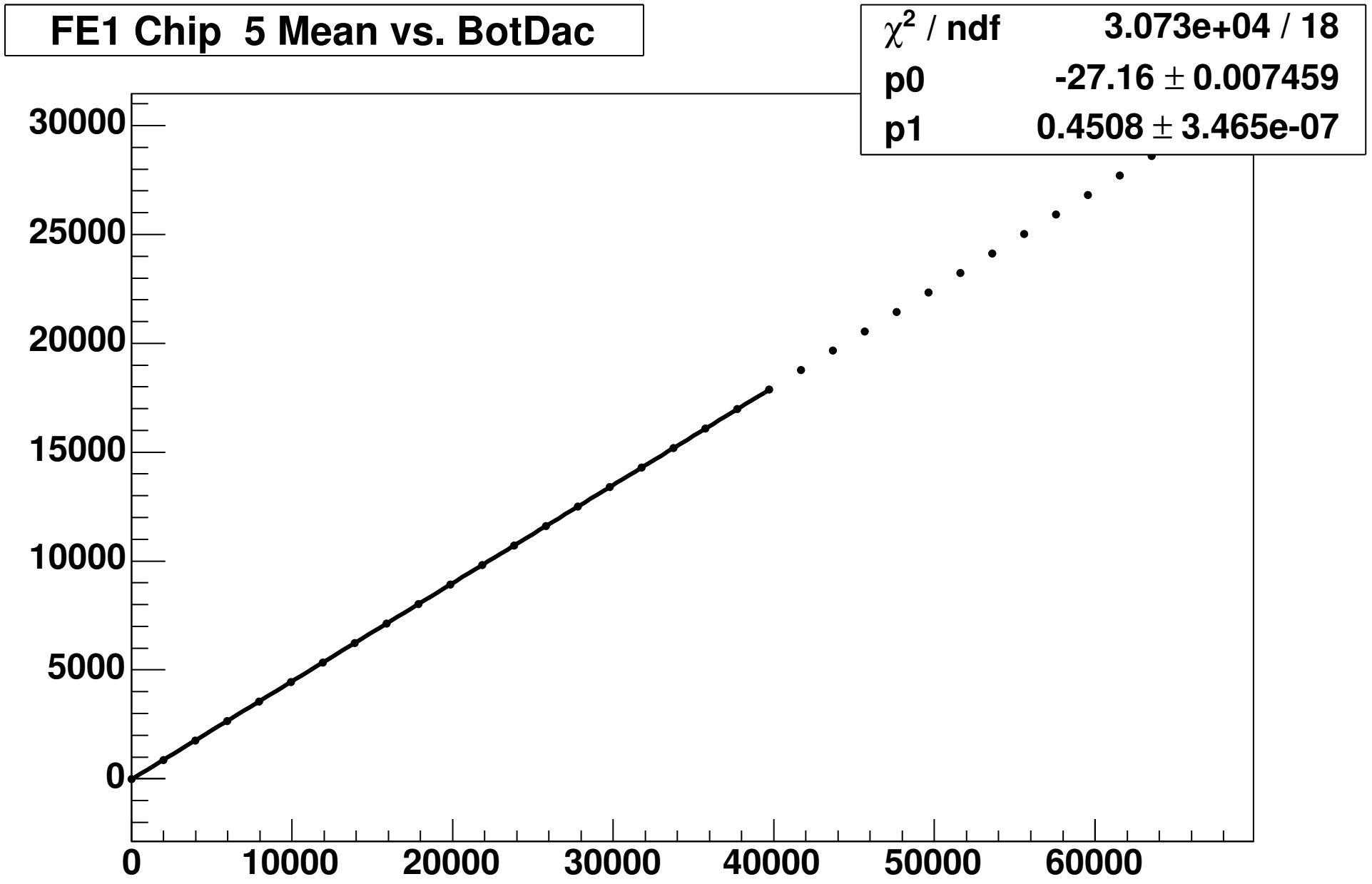
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 3.073e+04 / 18
p0 -27.16 ± 0.007459
p1 0.4508 ± 3.465e-07
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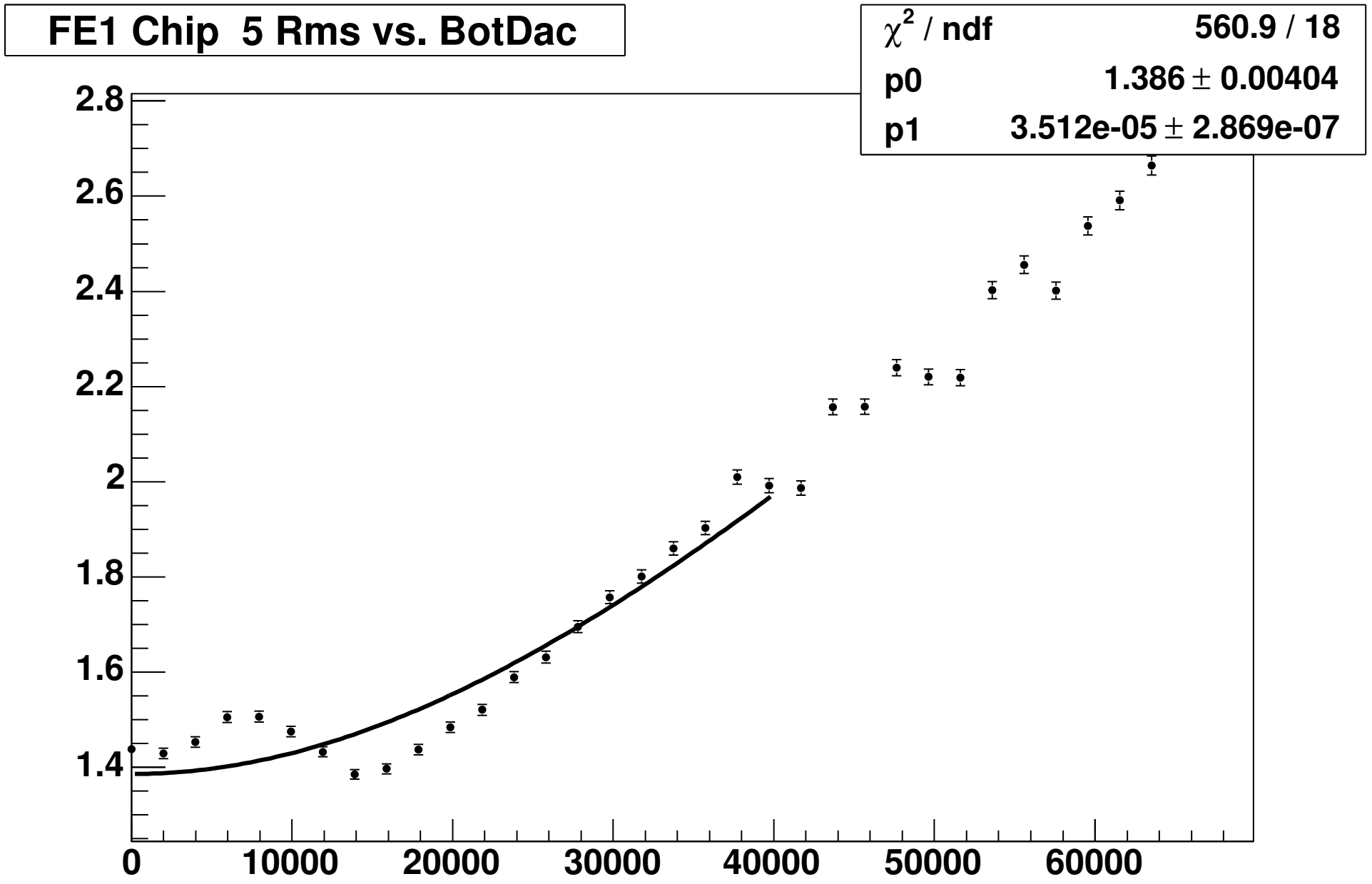
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 560.9 / 18
p0 1.386 ± 0.00404
p1 3.512e-05 ± 2.869e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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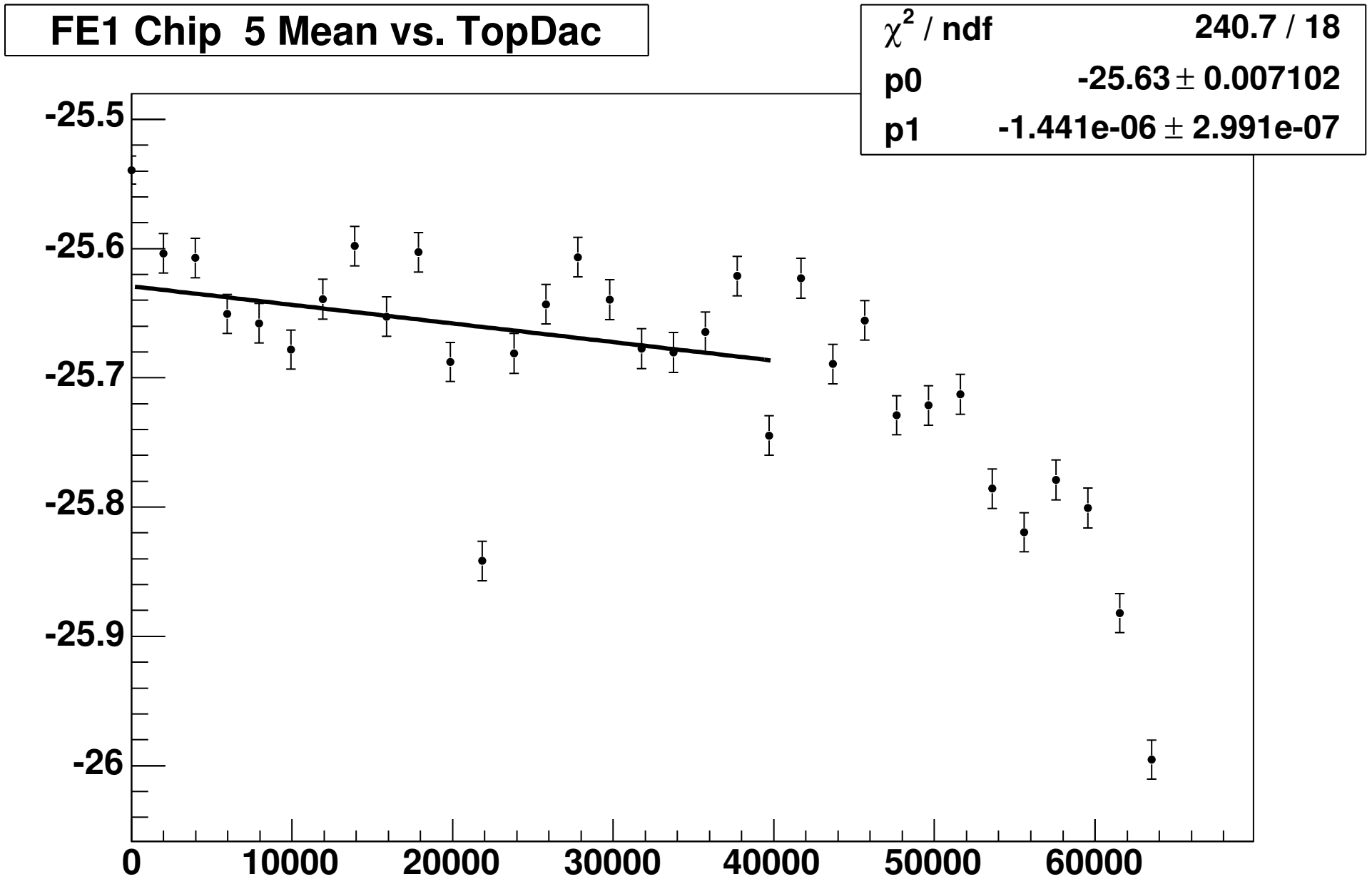
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 240.7 / 18
p0 -25.63 ± 0.007102
p1 -1.441e-06 ± 2.991e-07
-25.5
-25.6
-25.7
-25.8
-25.9
-26
0
10000
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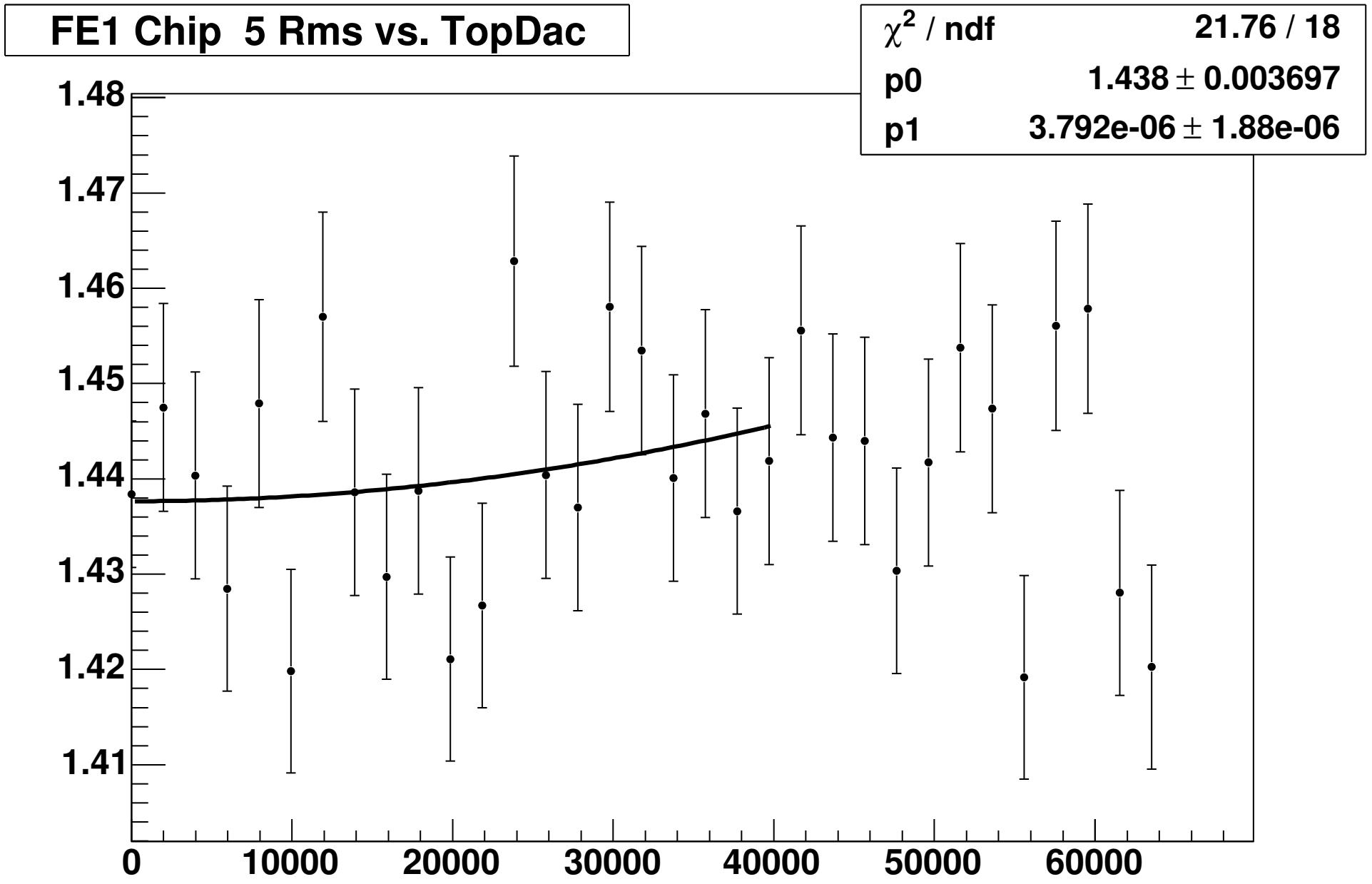
60000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 21.76 / 18
p0 1.438 ± 0.003697
p1 3.792e-06 ± 1.88e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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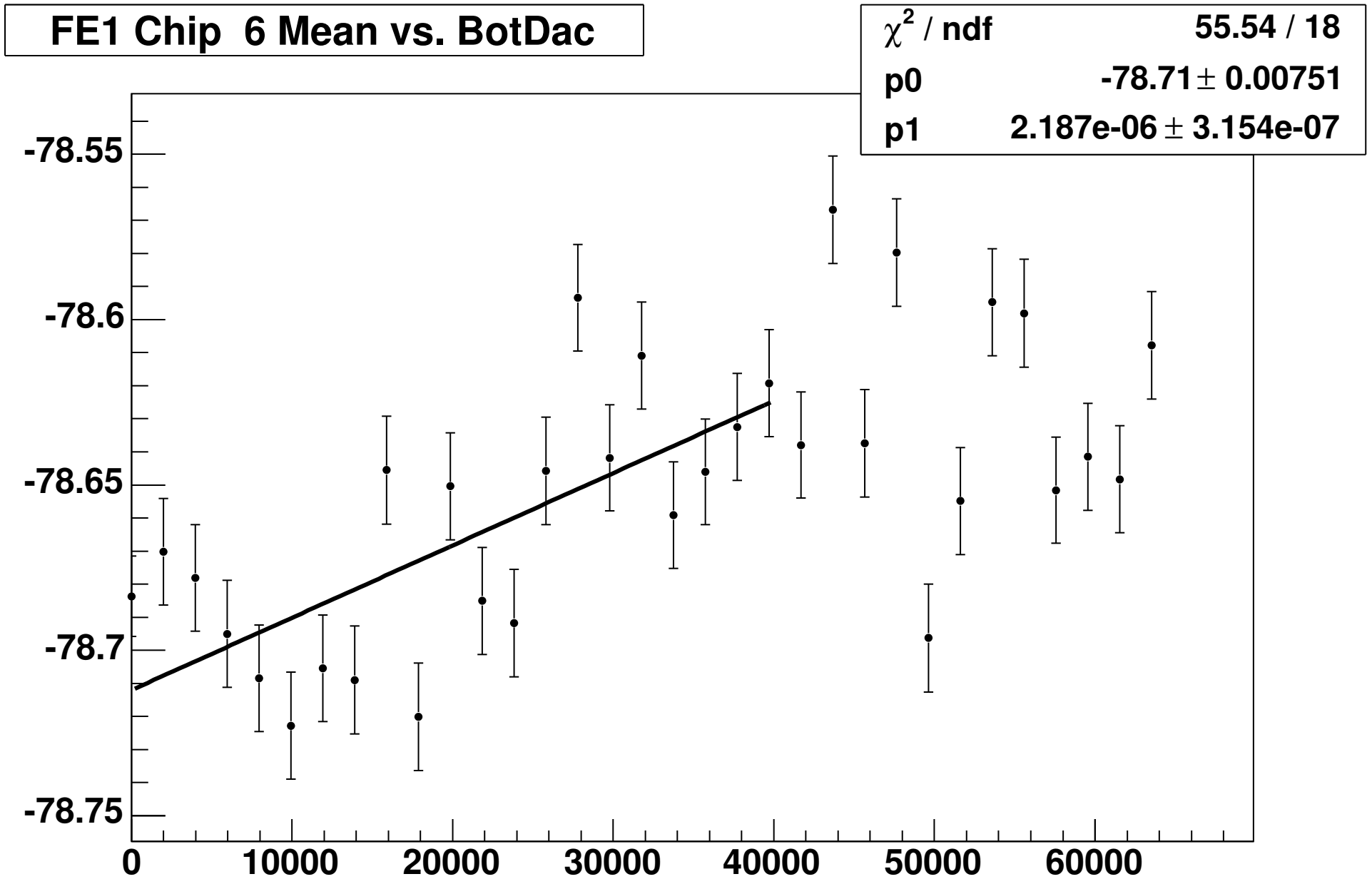
40000
50000
60000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 55.54 / 18
p0 -78.71 ± 0.00751
p1 2.187e-06 ± 3.154e-07
-78.55
-78.6
-78.65
-78.7
-78.75
0
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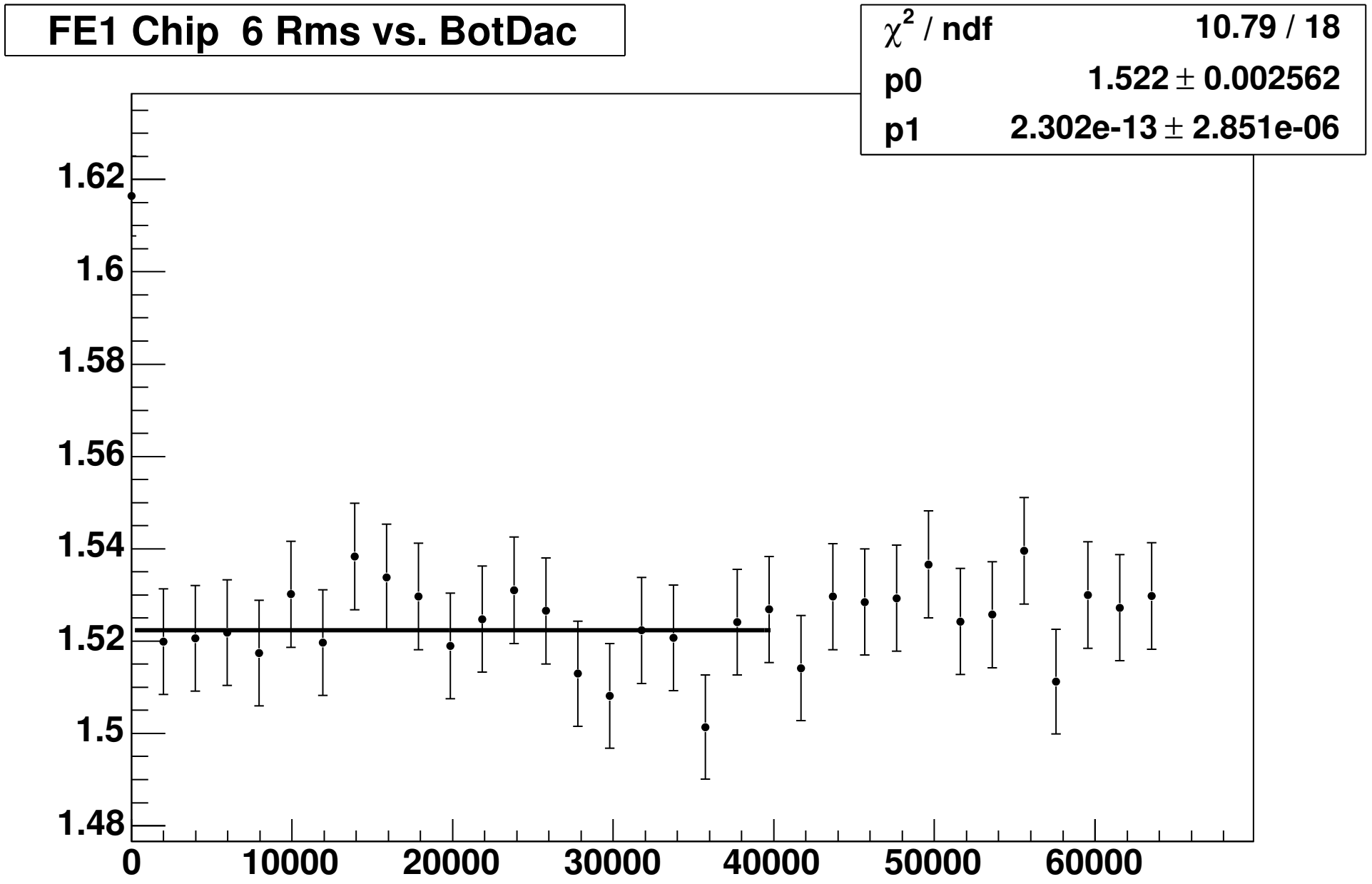
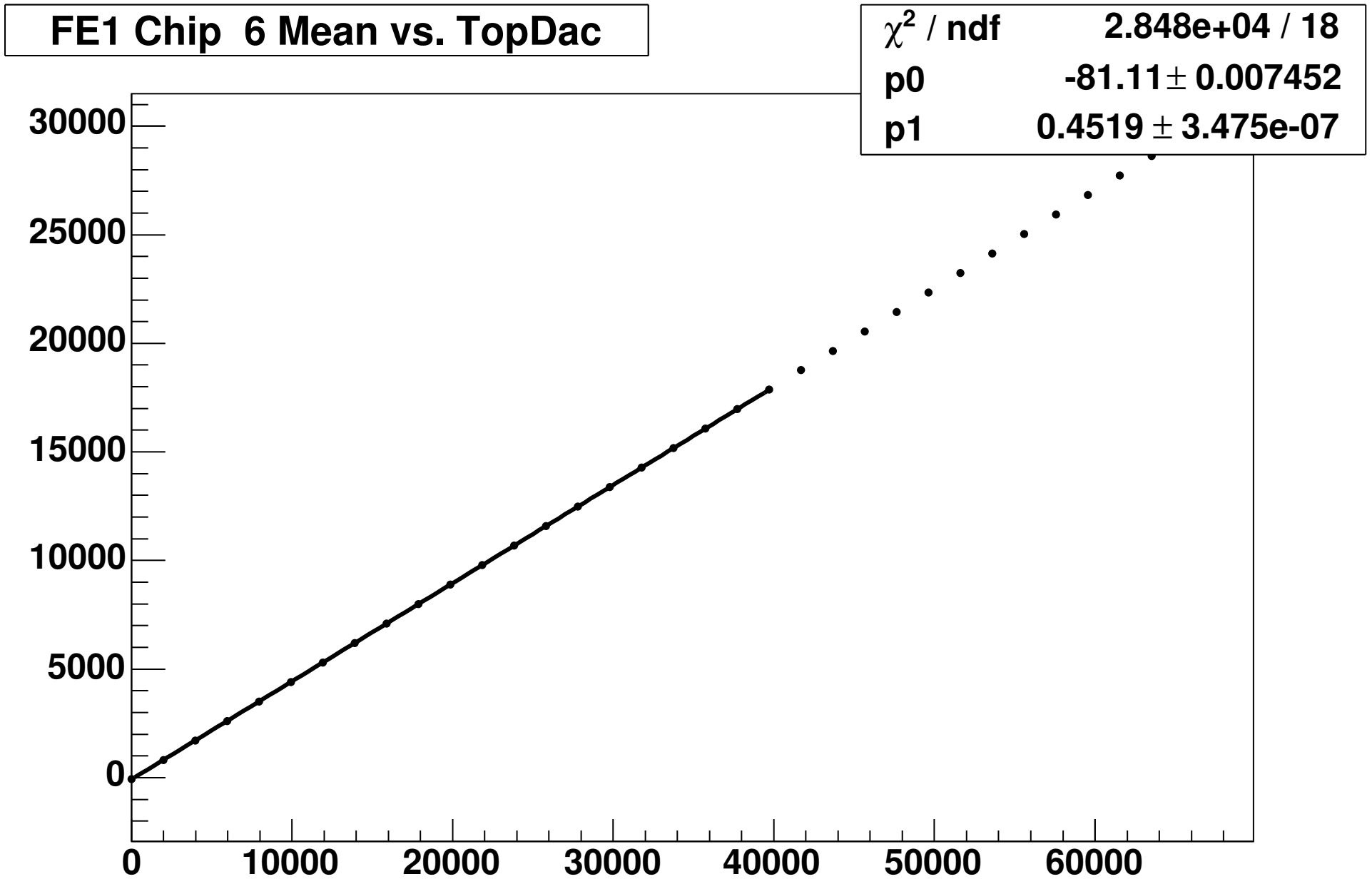
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 10.79 / 18
p0 1.522 ± 0.002562
p1 2.302e-13 ± 2.851e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 2.848e+04 / 18
p0 -81.11 ± 0.007452
p1 0.4519 ± 3.475e-07
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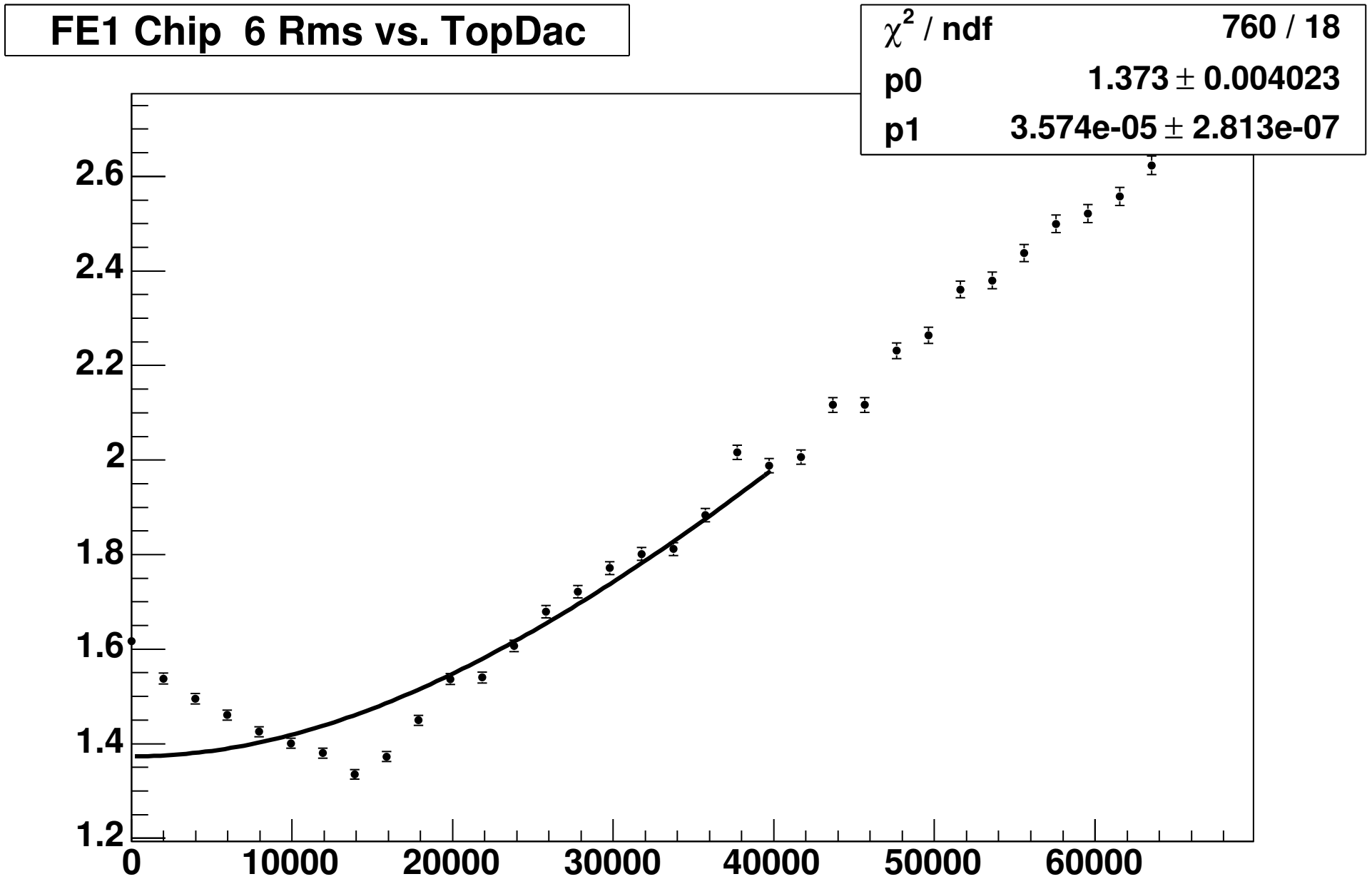
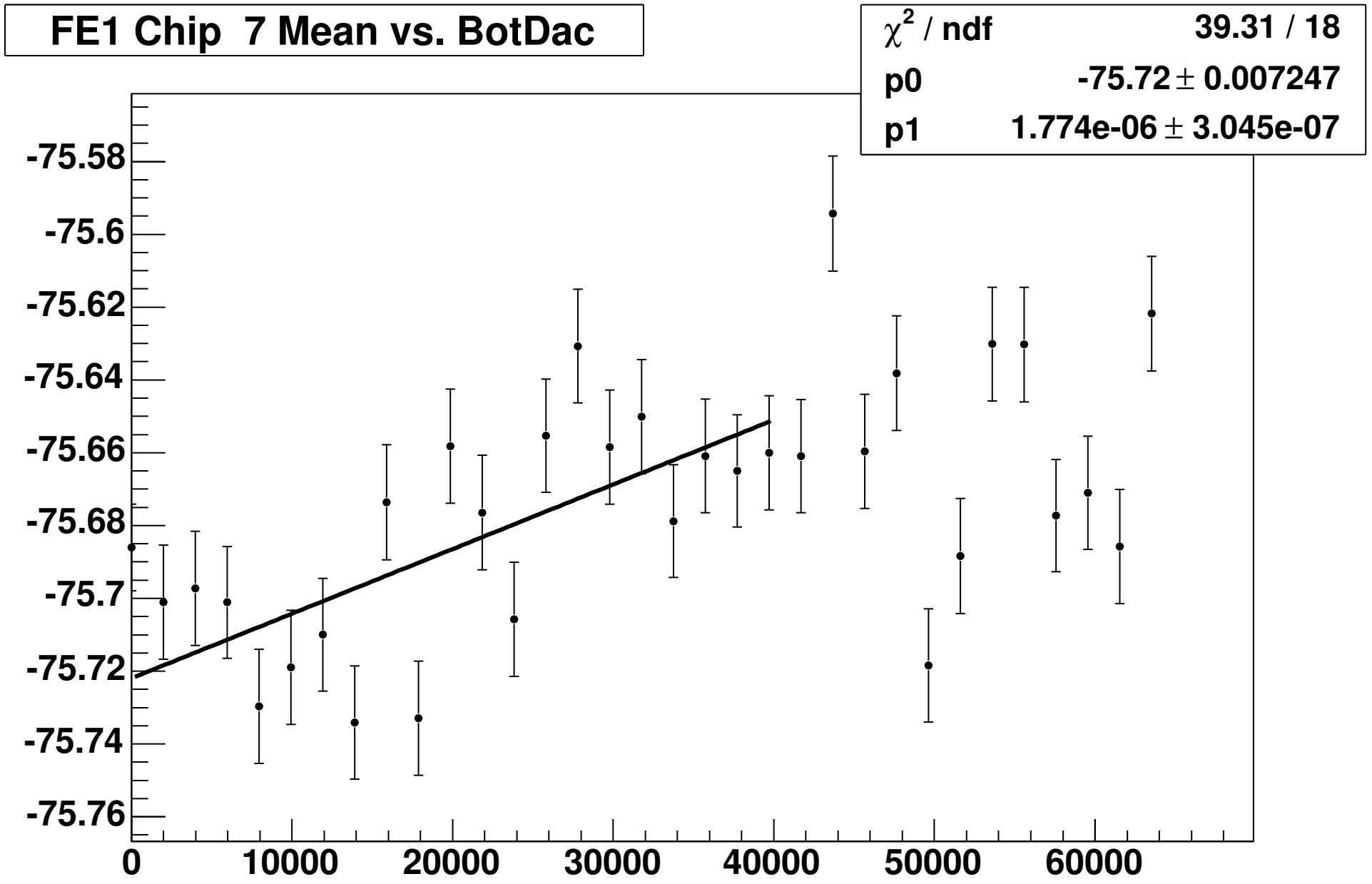
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 760 / 18
p0 1.373 ± 0.004023
p1 3.574e-05 ± 2.813e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Mean vs. BotDac
χ^2 / ndf 39.31 / 18
p0 -75.72 ± 0.007247
p1 1.774e-06 ± 3.045e-07
-75.58
-75.6
-75.62
-75.64
-75.66
-75.68
-75.7
-75.72
-75.74
-75.76
0
10000
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40000
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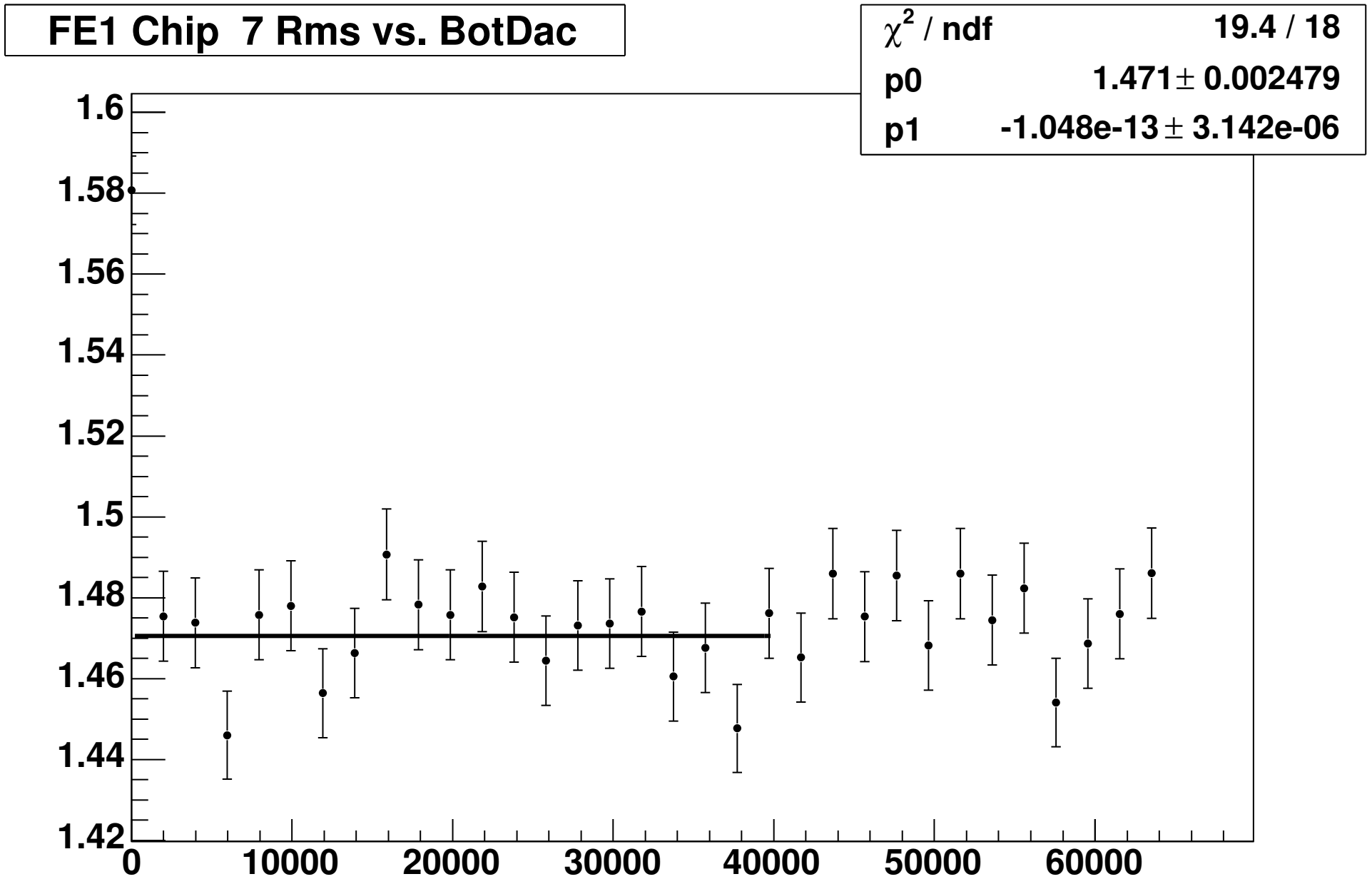
FE1 Chip 7 Rms vs. BotDac
χ² / ndf 19.4 / 18
p0 1.471 ± 0.002479
p1 -1.048e-13 ± 3.142e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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30000
40000
50000
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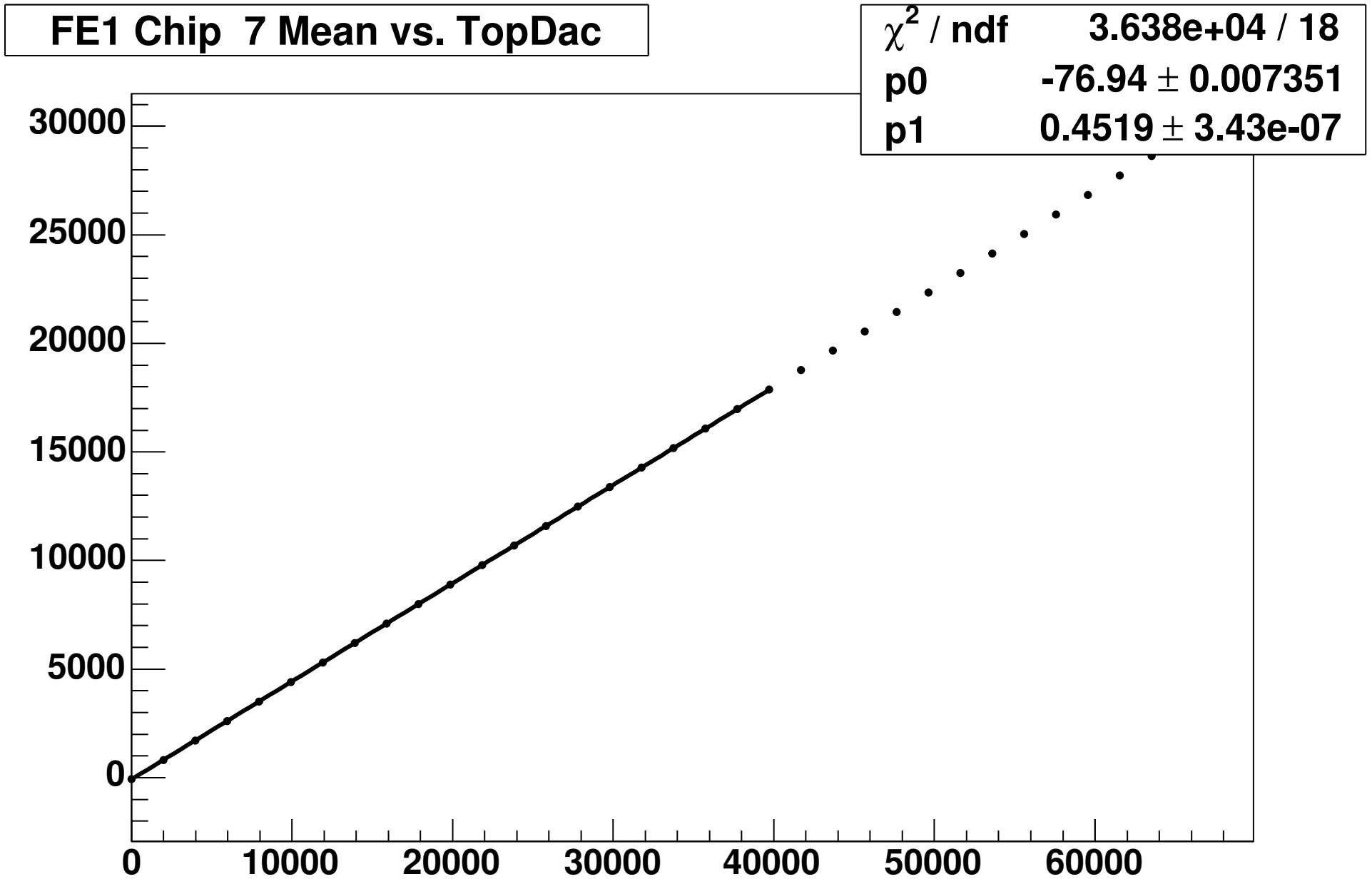
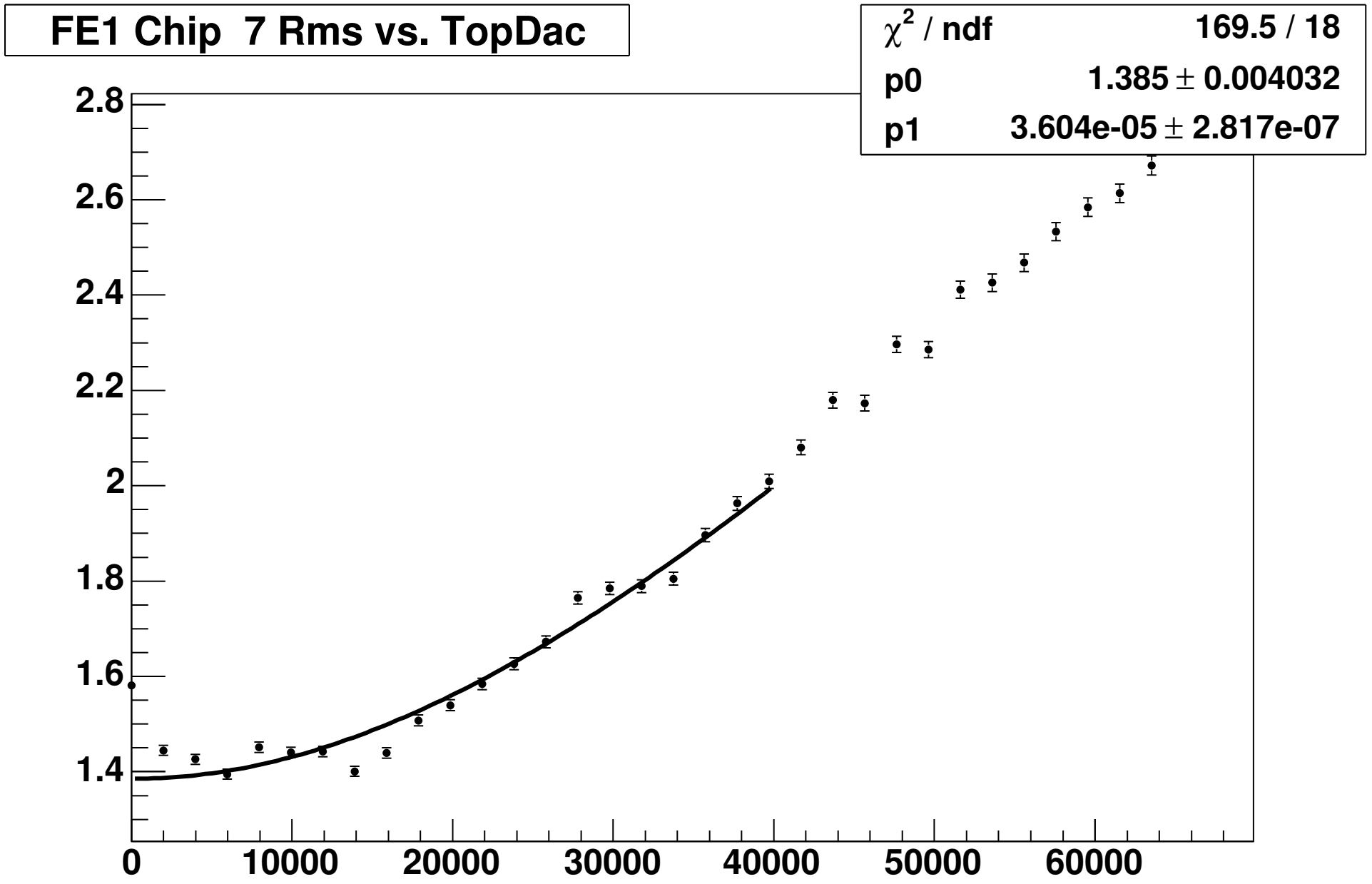

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 3.638e+04 / 18
p0 -76.94 ± 0.007351
p1 0.4519 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 169.5 / 18
p0 1.385 ± 0.004032
p1 3.604e-05 ± 2.817e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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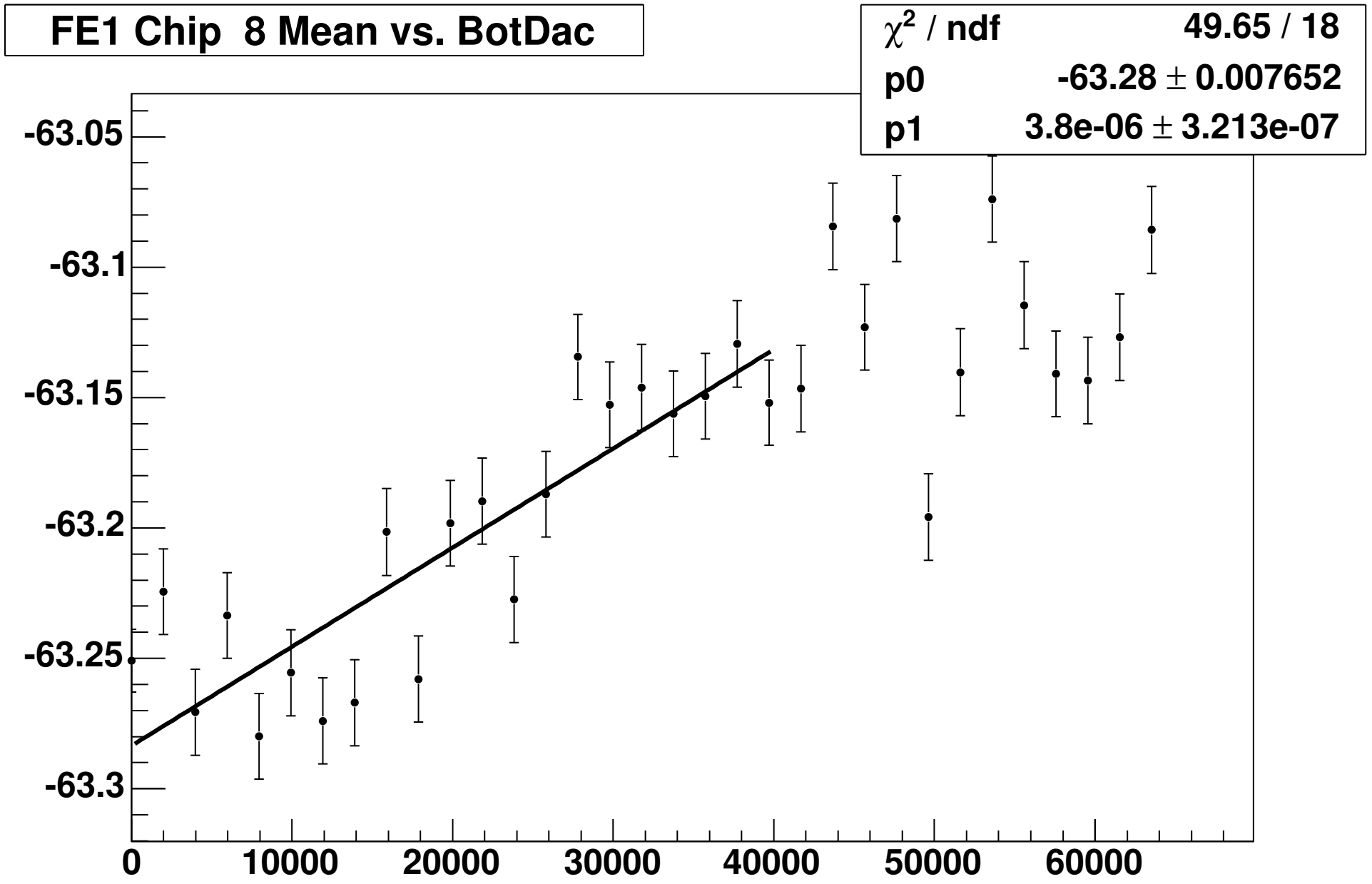
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 49.65 / 18
p0 -63.28 ± 0.007652
p1 3.8e-06 ± 3.213e-07
-63.05
-63.1
-63.15
-63.2
-63.25
-63.3
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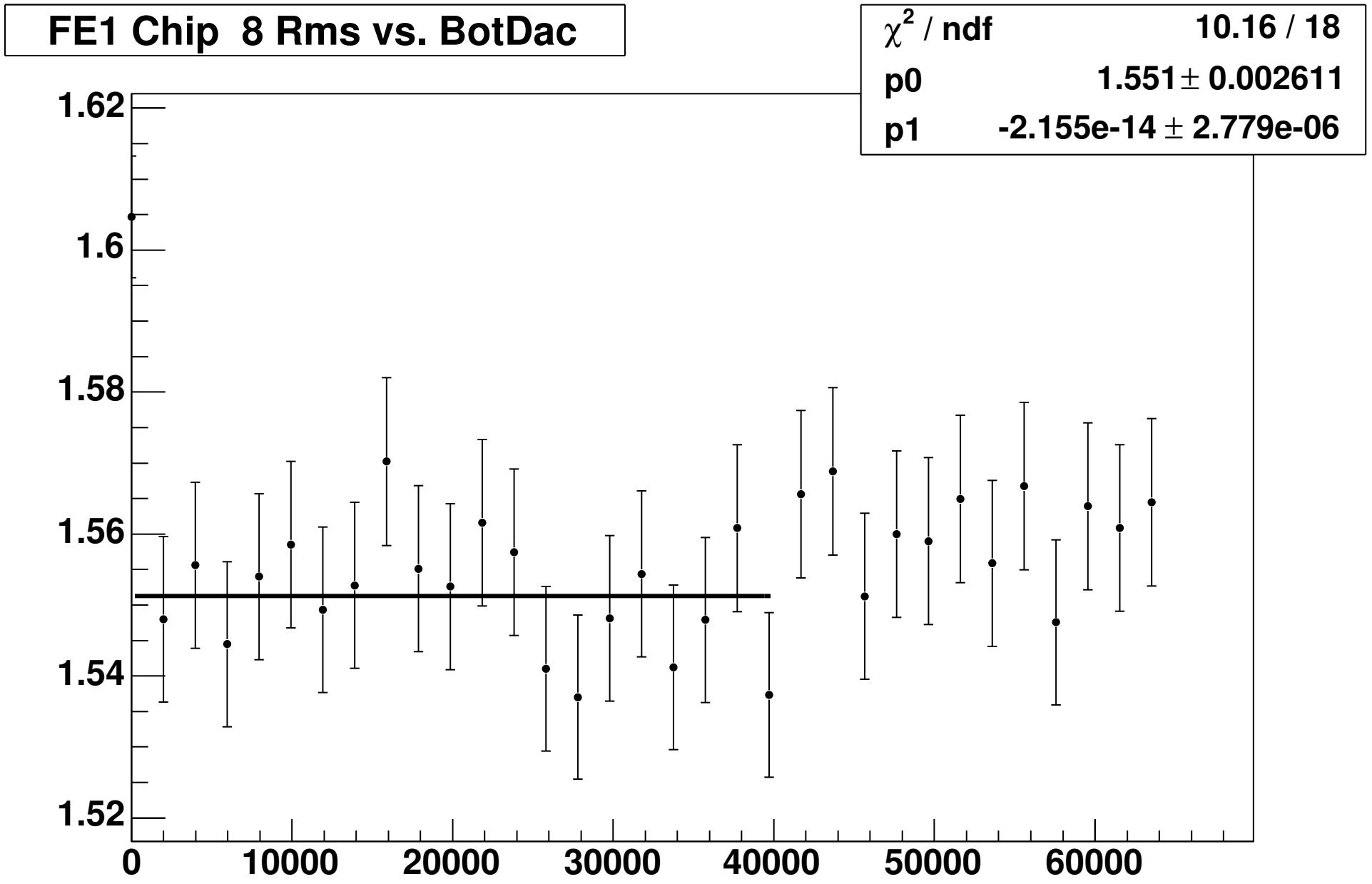
40000
50000
60000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 10.16 / 18
p0 1.551 ± 0.002611
p1 -2.155e-14 ± 2.779e-06
1.62
1.6
1.58
1.56
1.54
1.52
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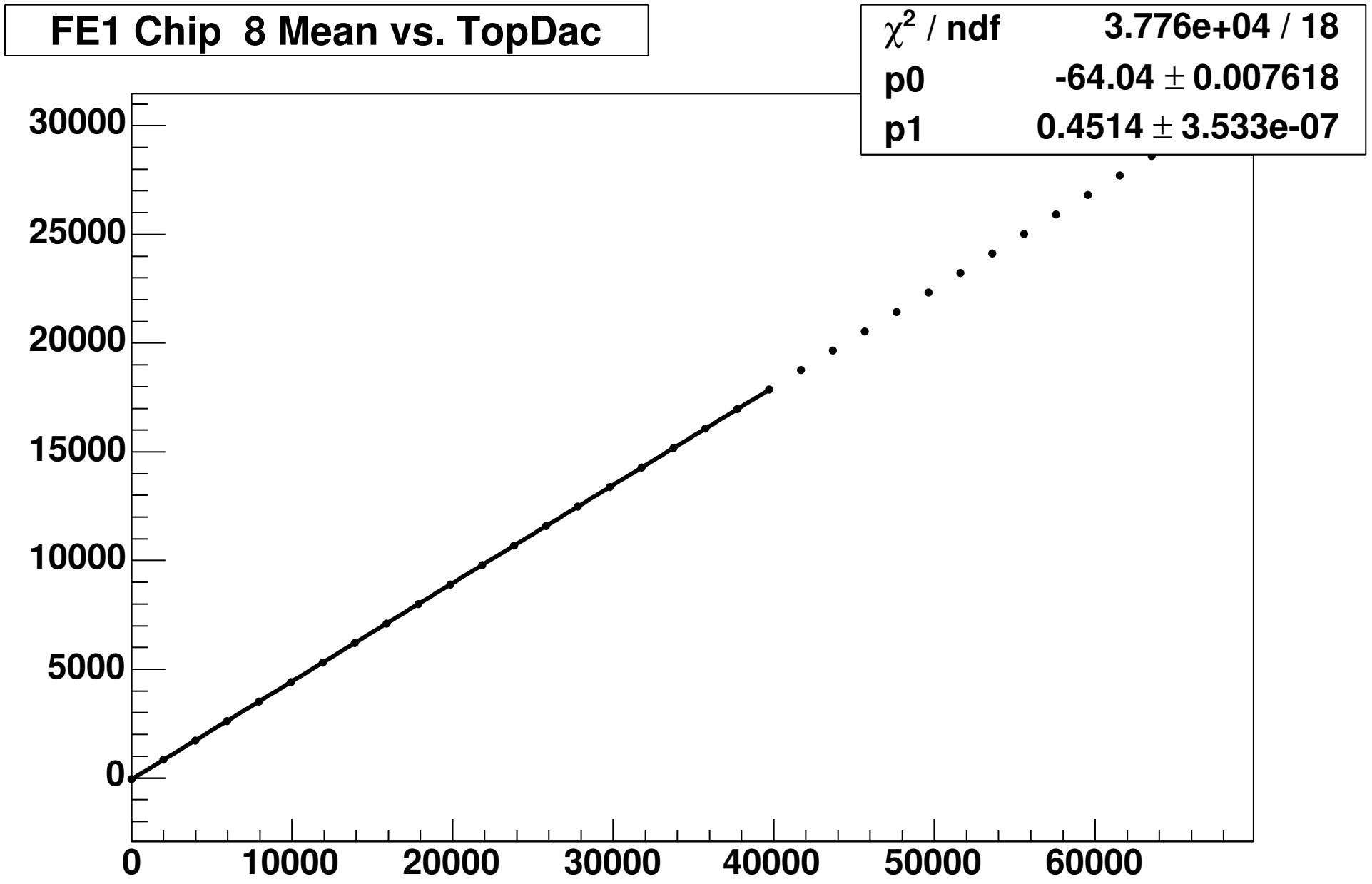
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 3.776e+04 / 18
p0 -64.04 ± 0.007618
p1 0.4514 ± 3.533e-07
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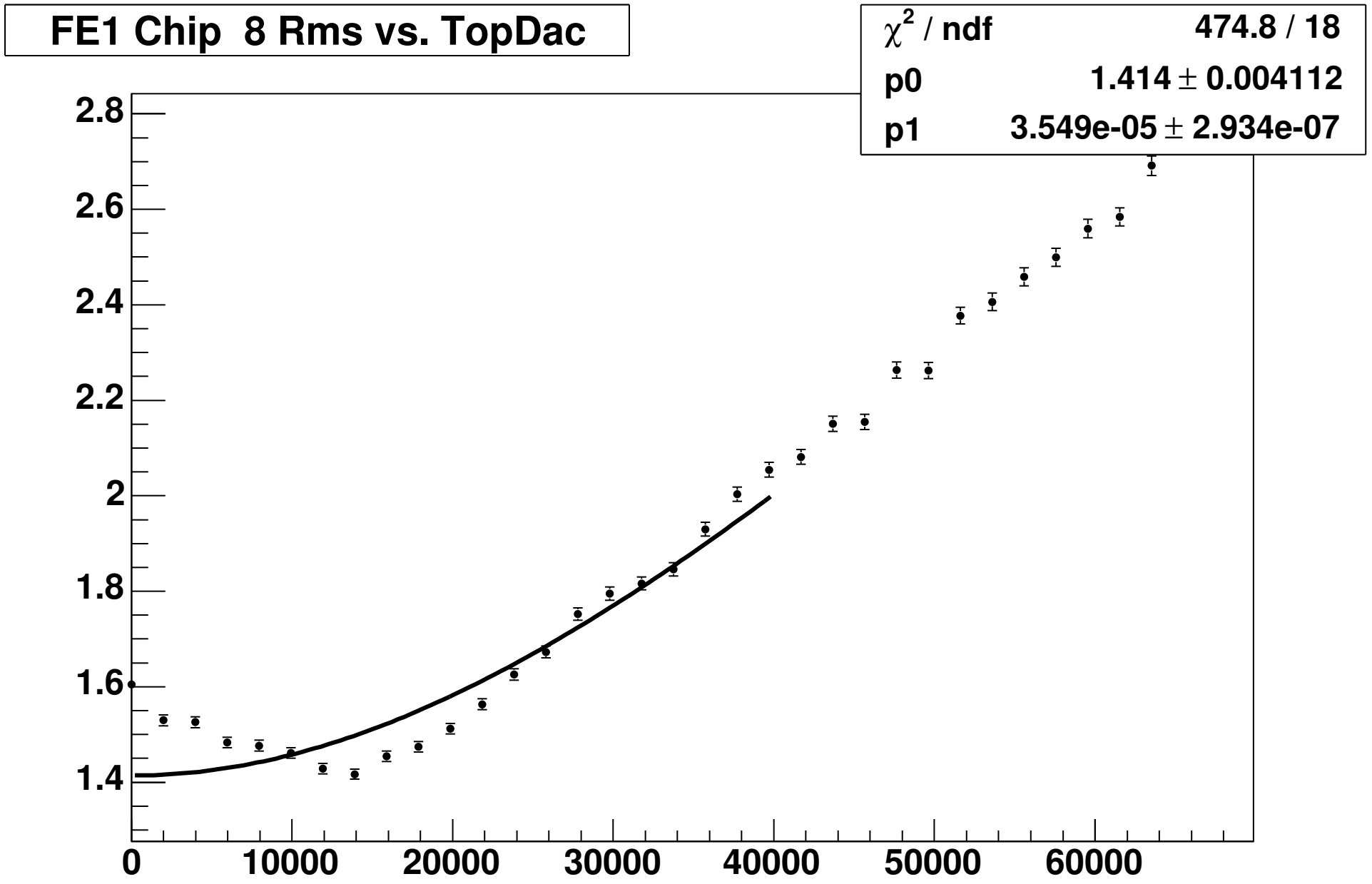
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 474.8 / 18
p0 1.414 ± 0.004112
p1 3.549e-05 ± 2.934e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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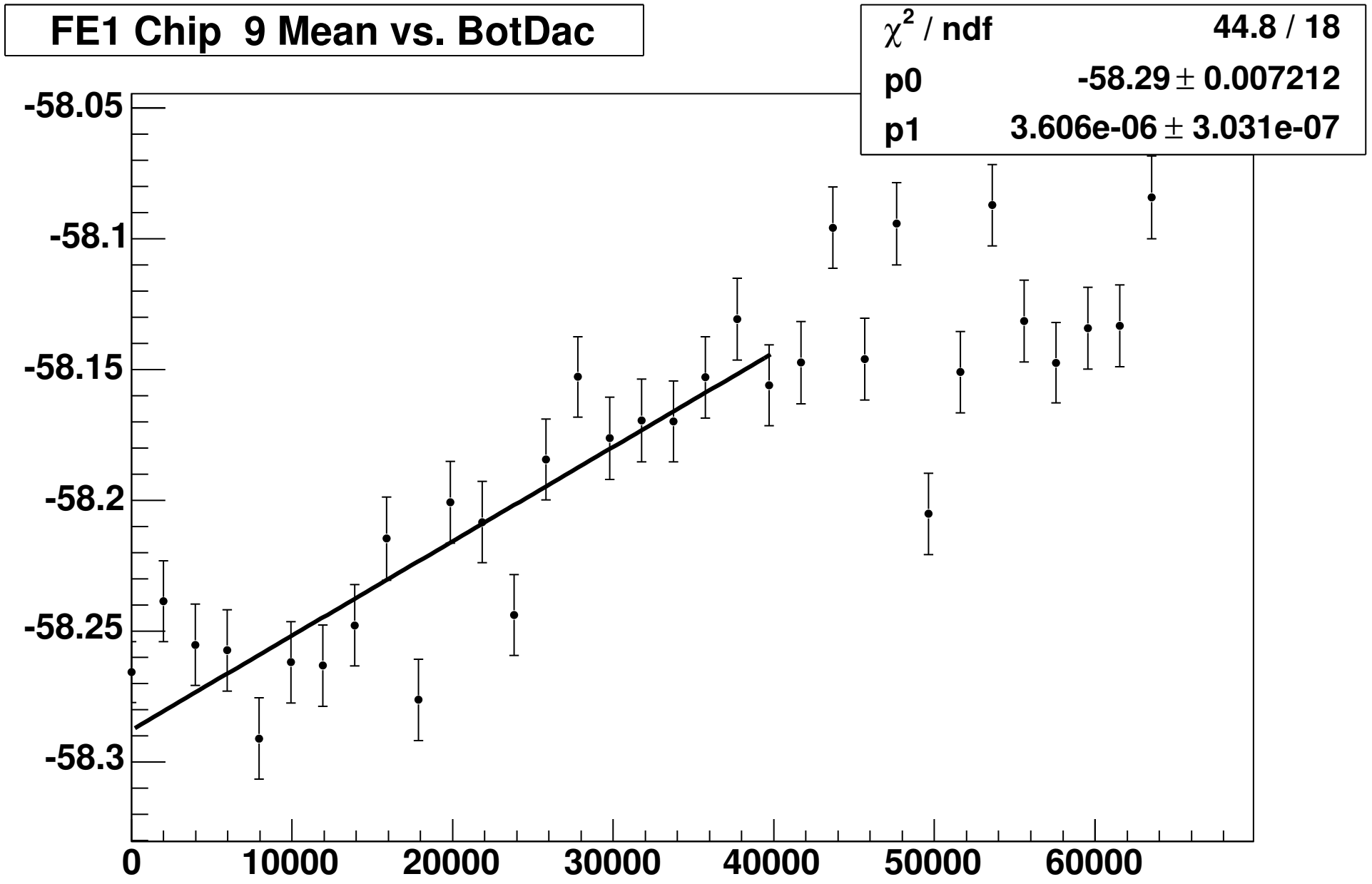
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 44.8 / 18
p0 -58.29 ± 0.007212
p1 3.606e-06 ± 3.031e-07
-58.05
-58.1
-58.15
-58.2
-58.25
-58.3
0
10000
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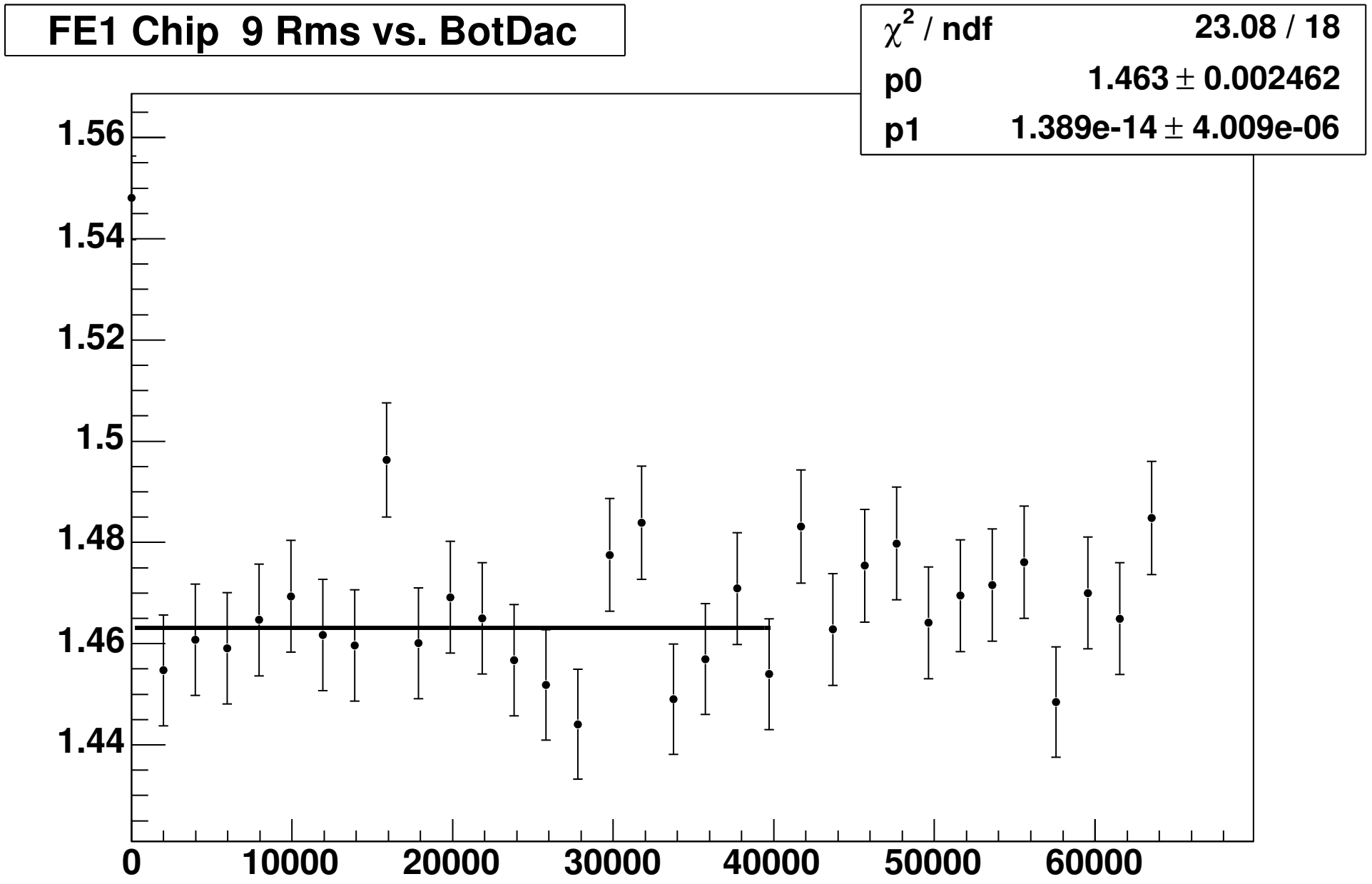
30000
40000
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 23.08 / 18
p0 1.463 ± 0.002462
p1 1.389e-14 ± 4.009e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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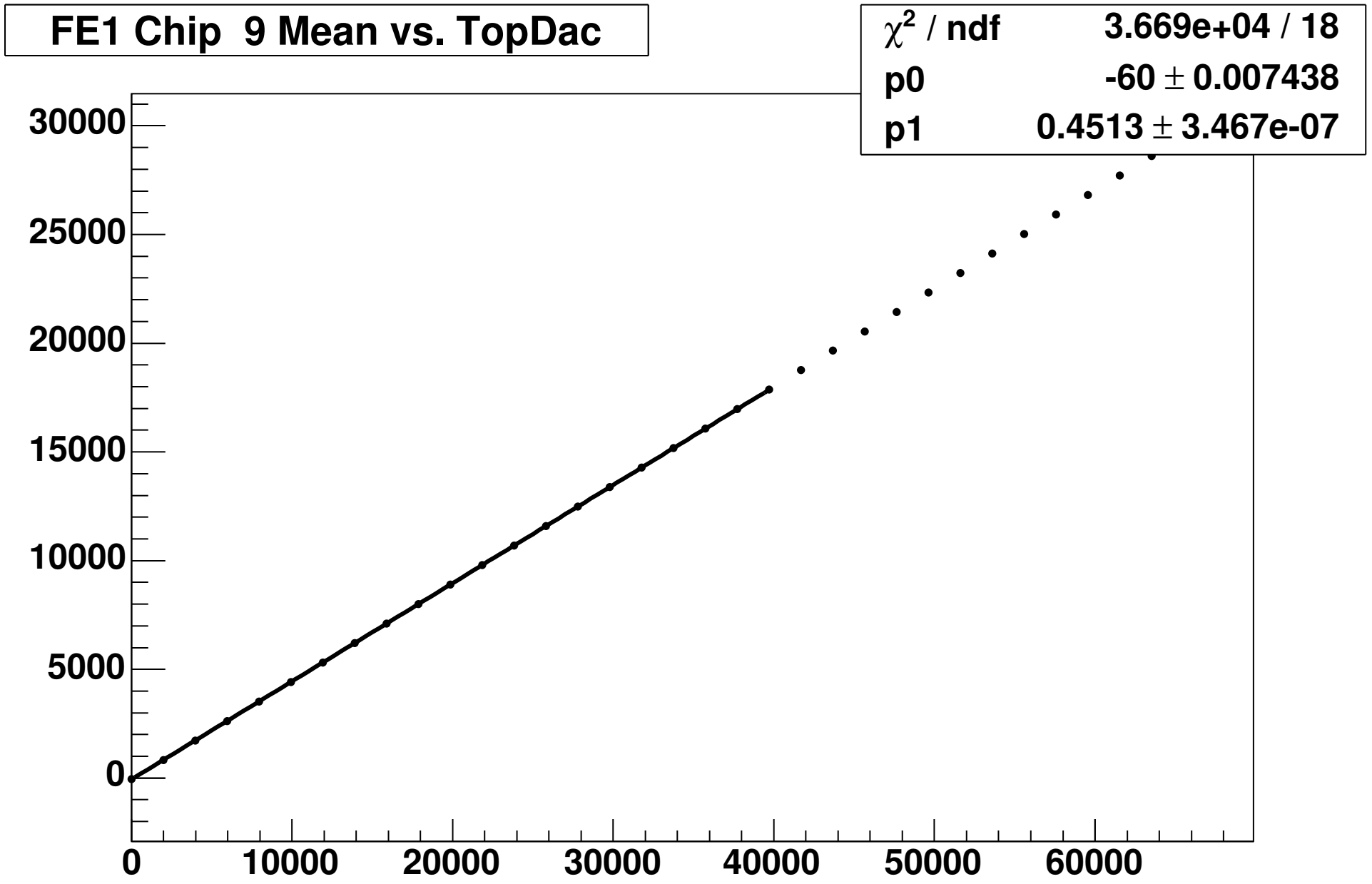
50000
60000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 3.669e+04 / 18
p0 -60 ± 0.007438
p1 0.4513 ± 3.467e-07
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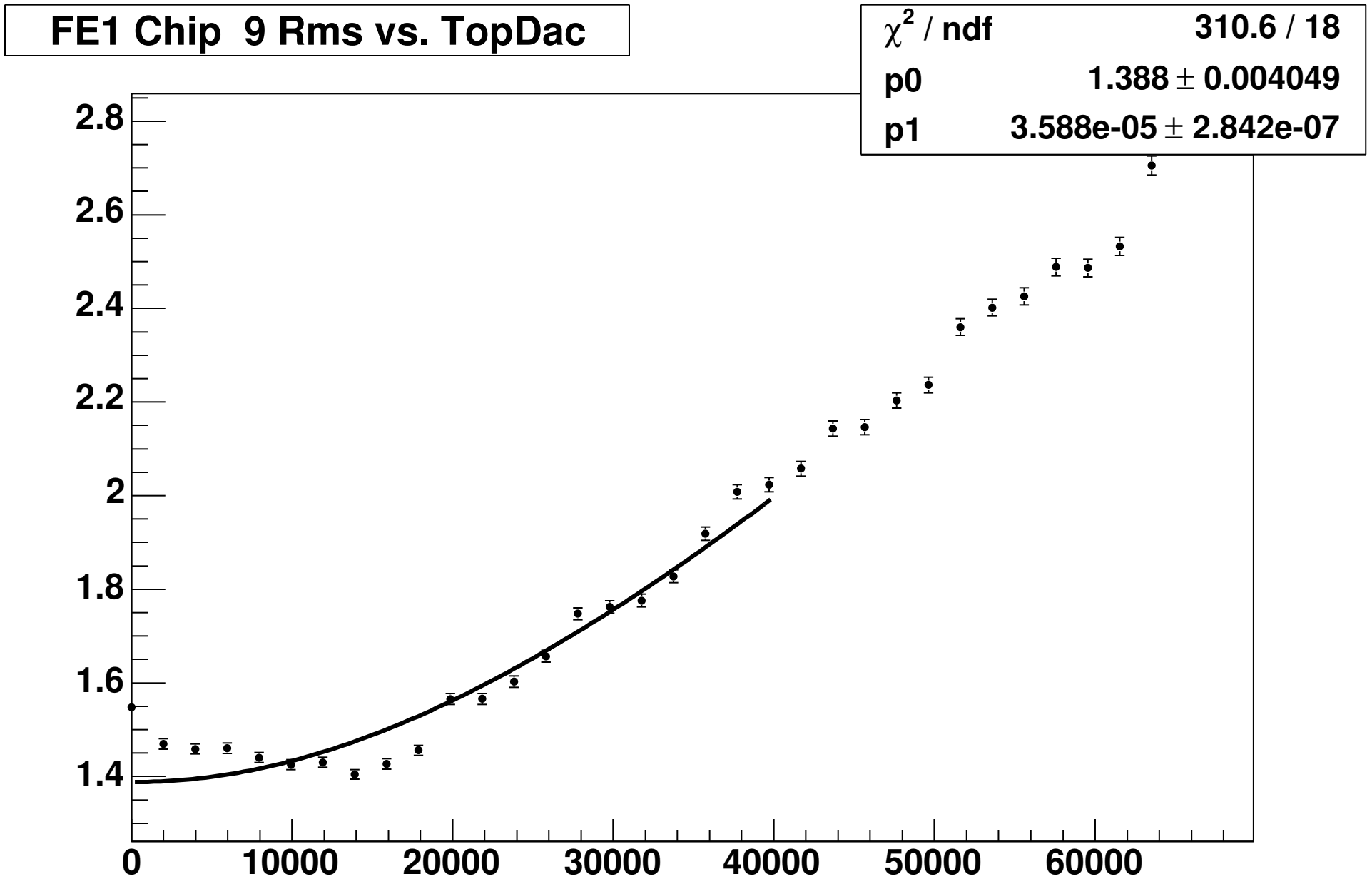
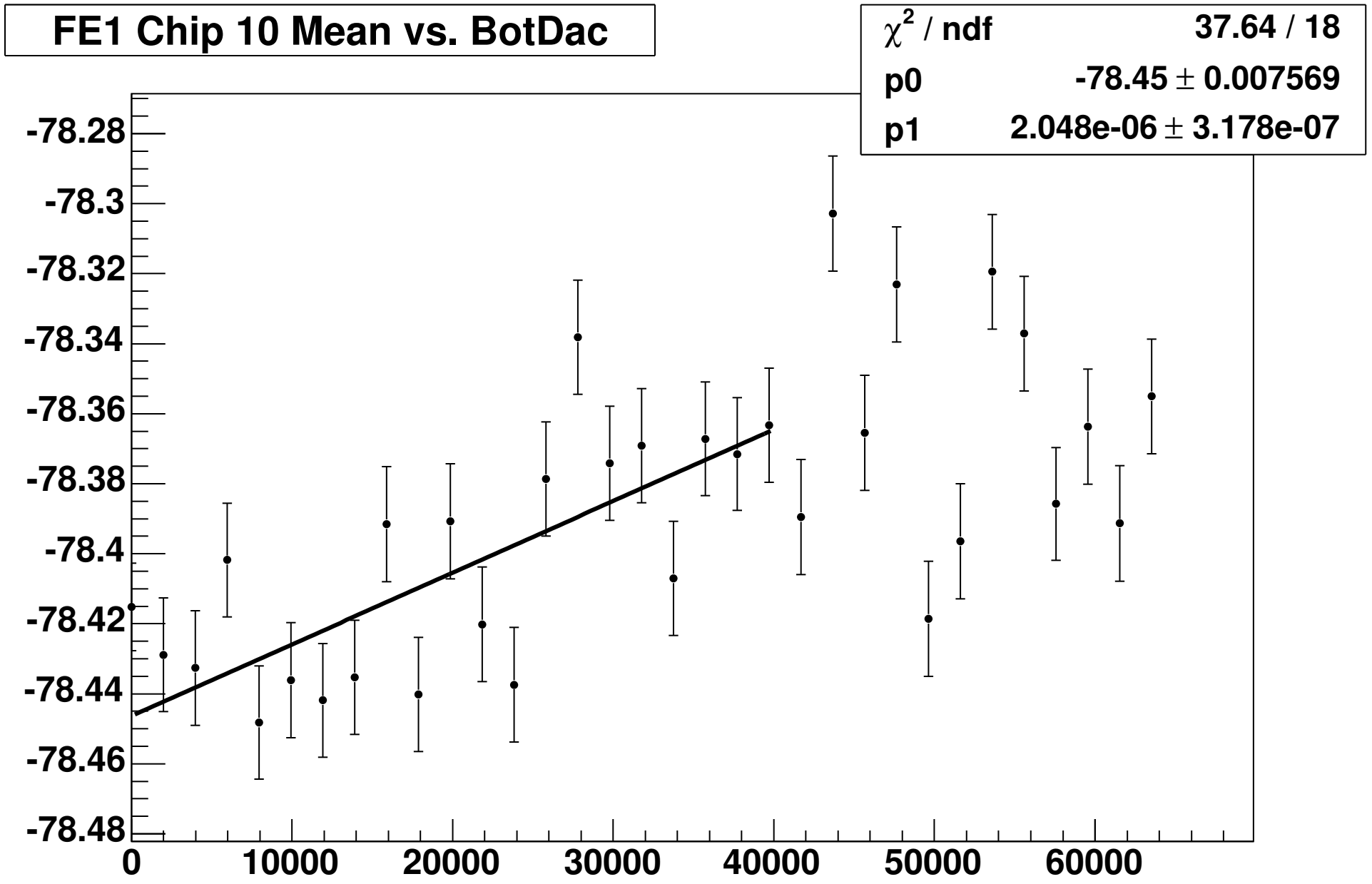
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 310.6 / 18
p0 1.388 ± 0.004049
p1 3.588e-05 ± 2.842e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 37.64 / 18
p0 -78.45 ± 0.007569
p1 2.048e-06 ± 3.178e-07
-78.28
-78.3
-78.32
-78.34
-78.36
-78.38
-78.4
-78.42
-78.44
-78.46
-78.48
0
10000
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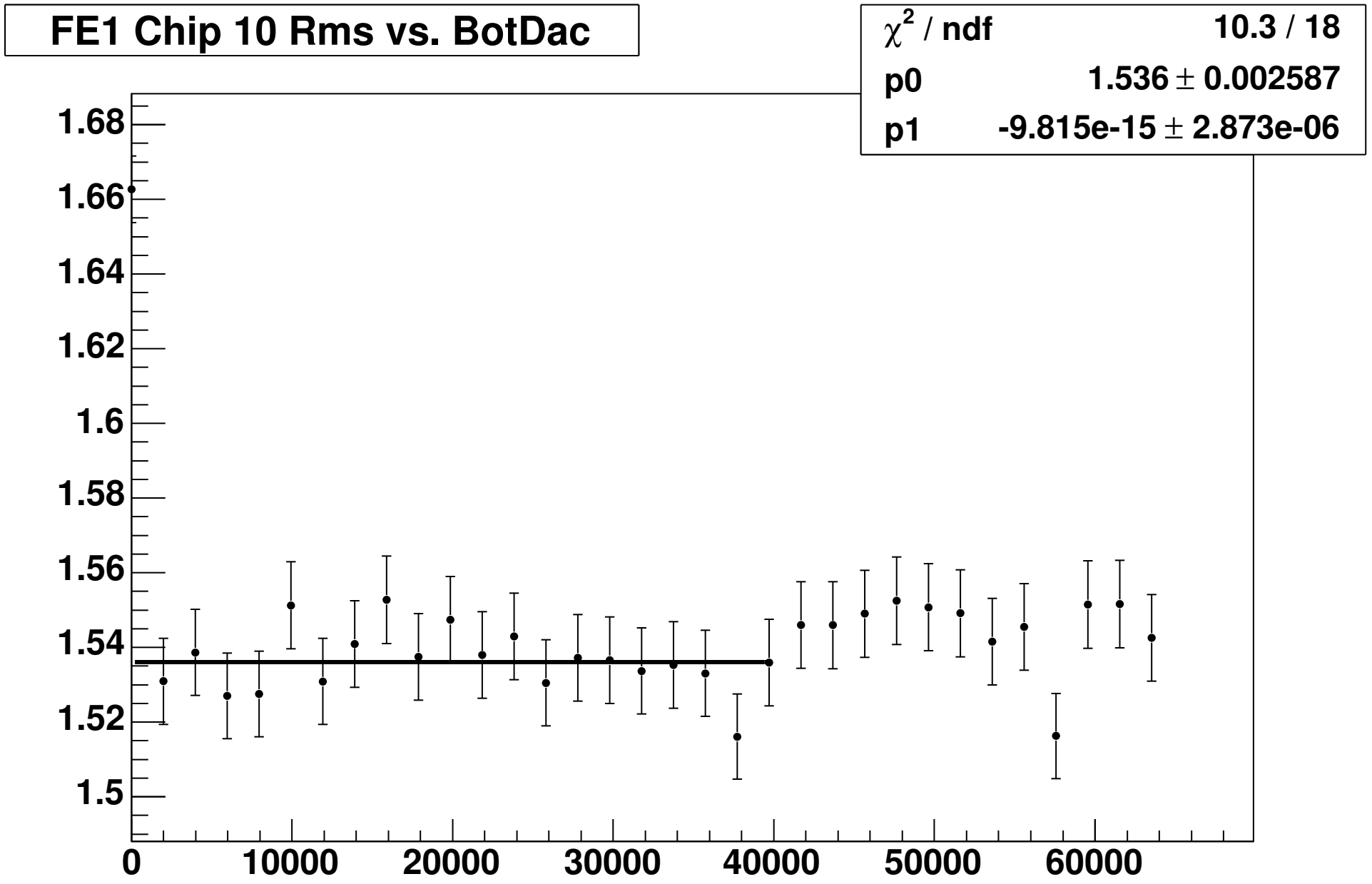
60000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 10.3 / 18
p0 1.536 ± 0.002587
p1 -9.815e-15 ± 2.873e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
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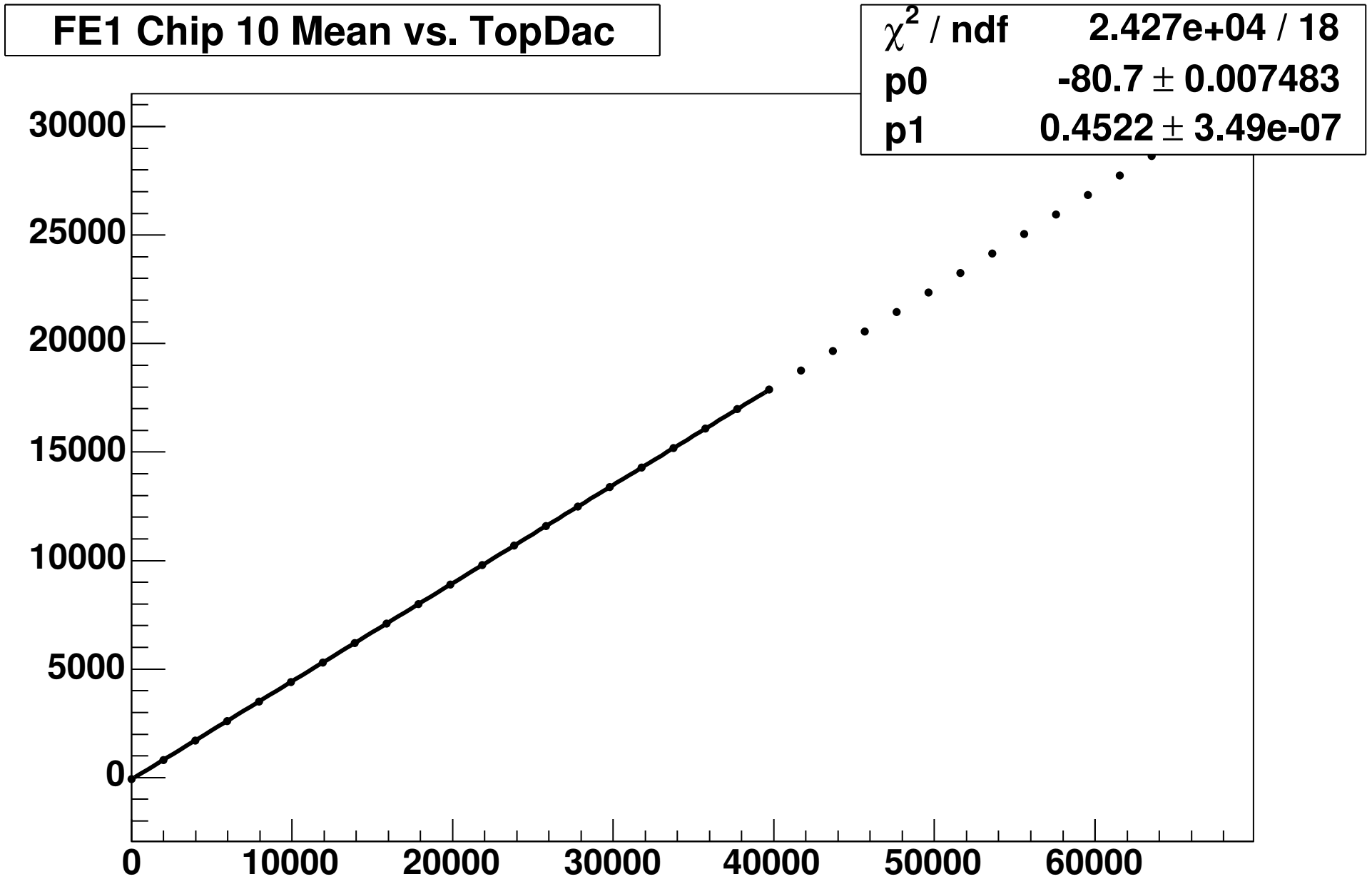
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 2.427e+04 / 18
p0 -80.7 ± 0.007483
p1 0.4522 ± 3.49e-07
30000
25000
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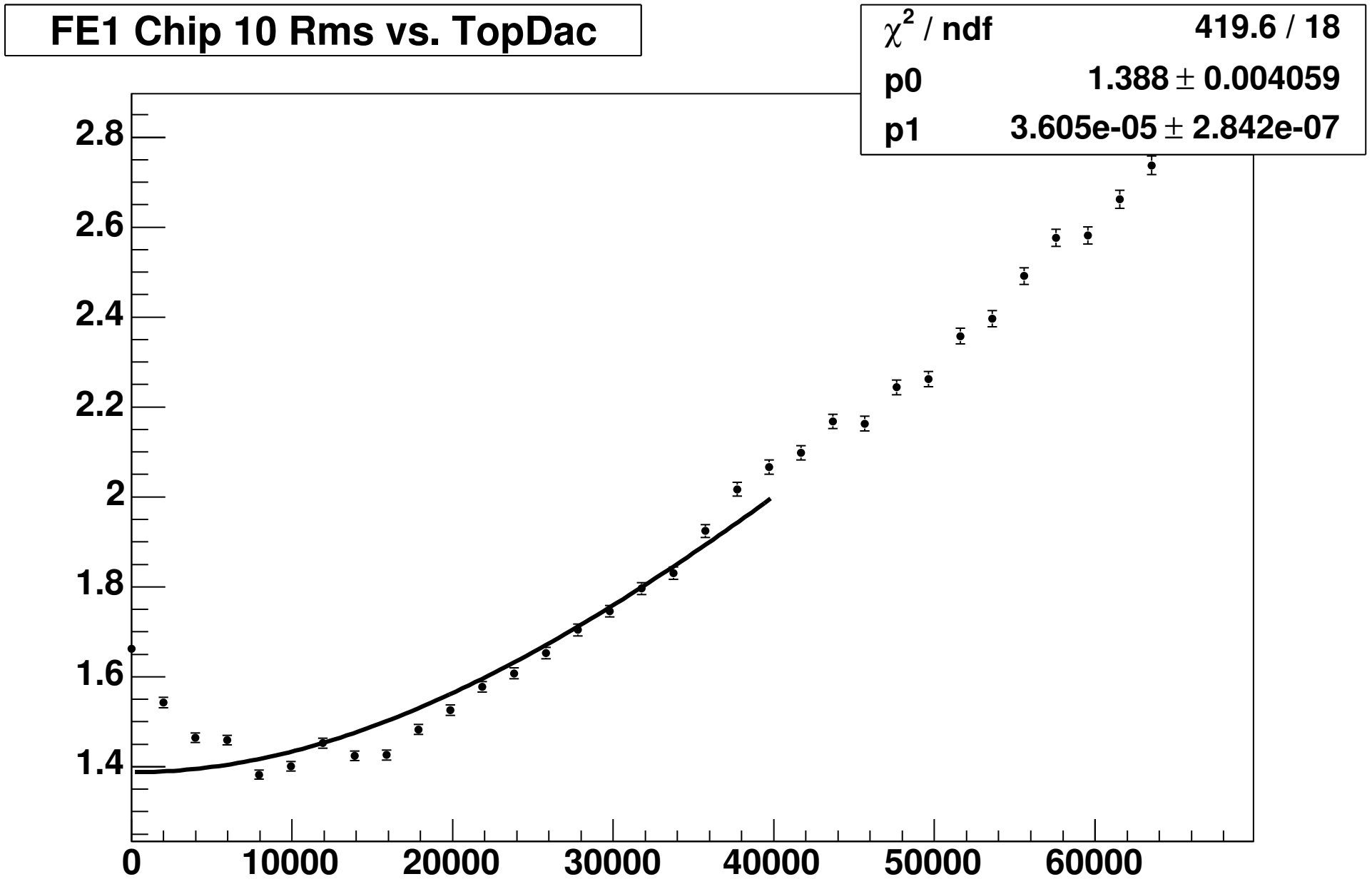
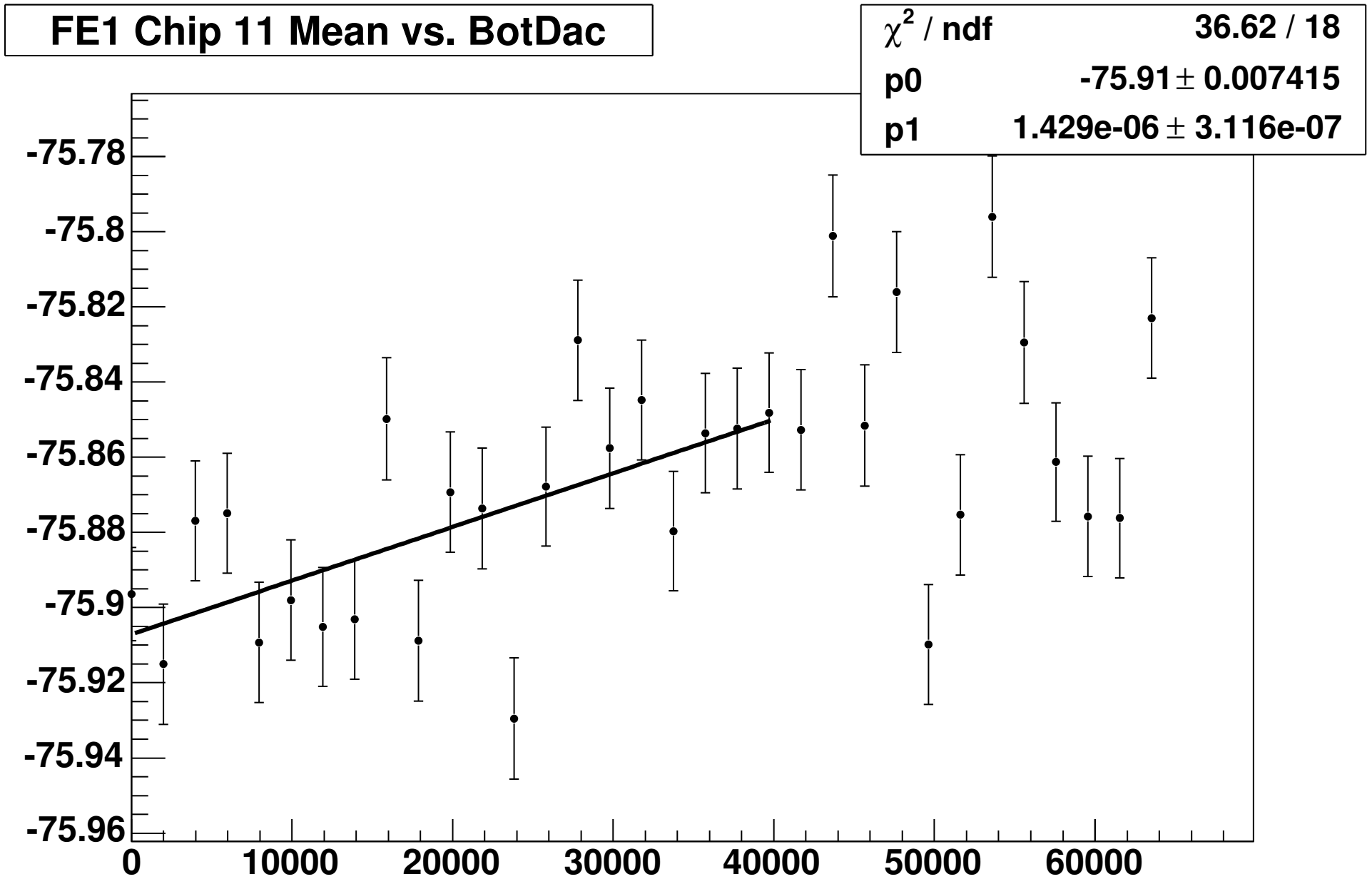
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 419.6 / 18
p0 1.388 ± 0.004059
p1 3.605e-05 ± 2.842e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 36.62 / 18
p0 -75.91 ± 0.007415
p1 1.429e-06 ± 3.116e-07
-75.78
-75.8
-75.82
-75.84
-75.86
-75.88
-75.9
-75.92
-75.94
-75.96
0
10000
20000
30000
40000
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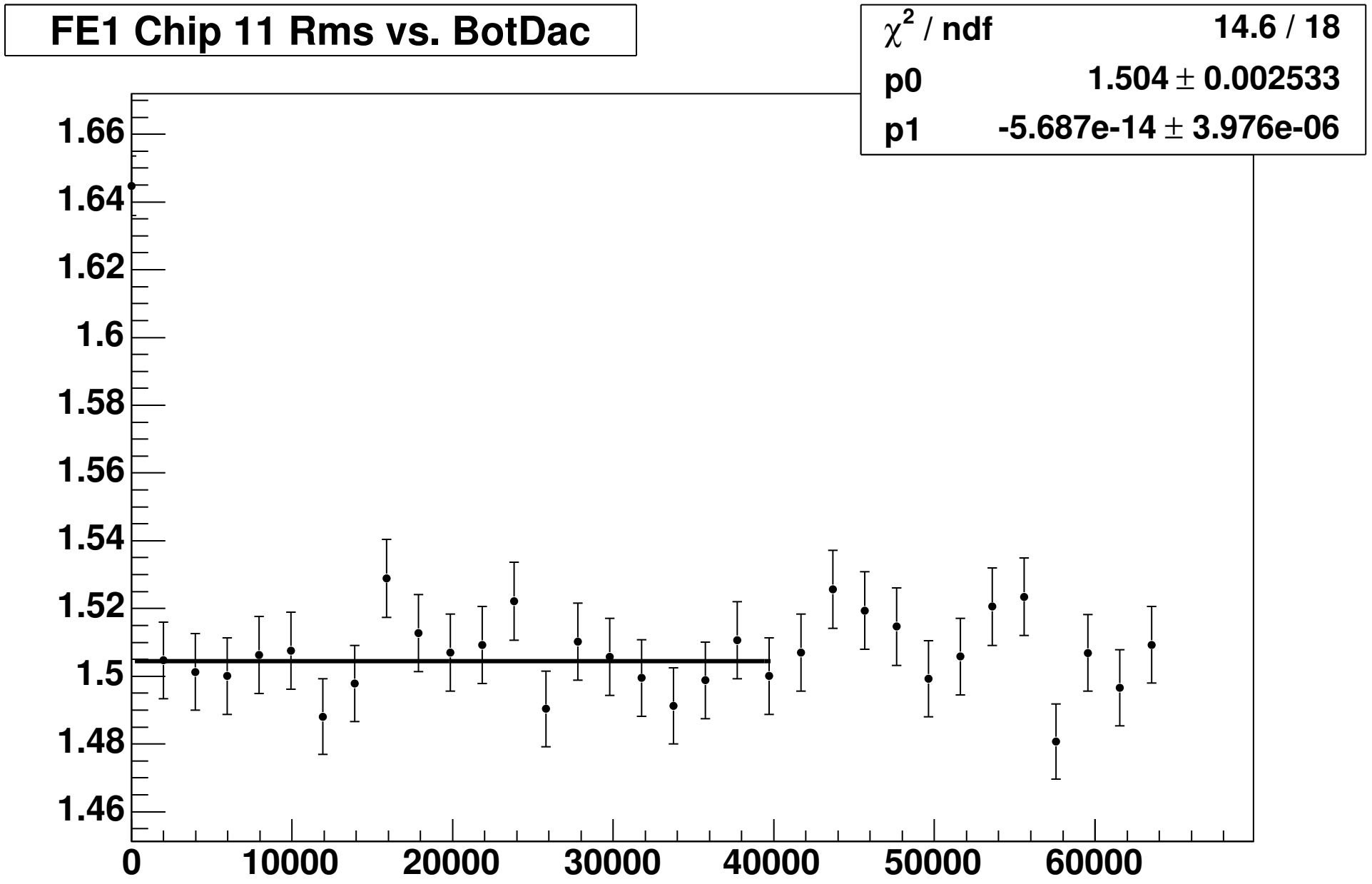
FE1 Chip 11 Rms vs. BotDac
χ² / ndf 14.6 / 18
p0 1.504 ± 0.002533
p1 -5.687e-14 ± 3.976e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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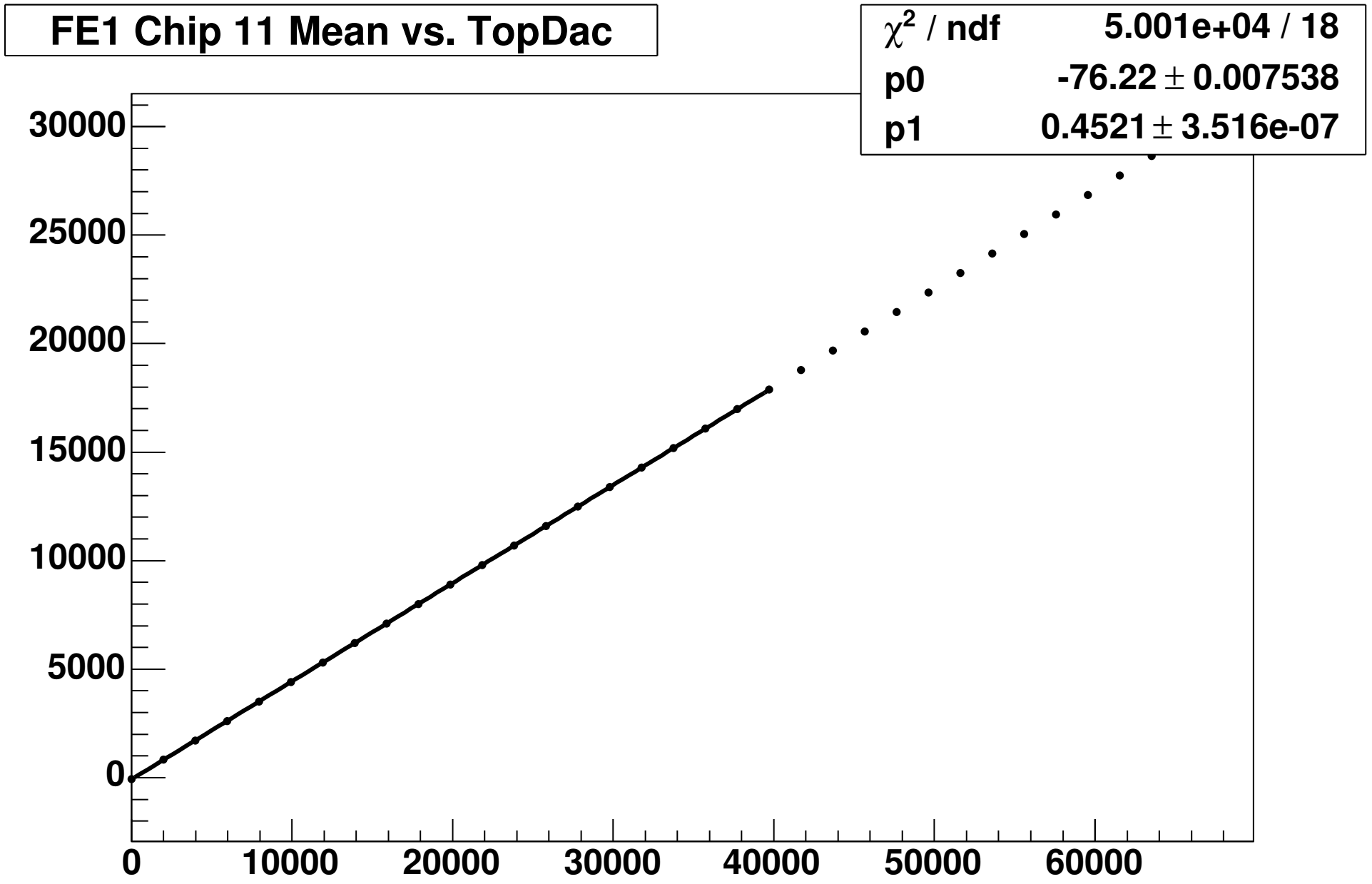
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 5.001e+04 / 18
p0 -76.22 ± 0.007538
p1 0.4521 ± 3.516e-07
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25000
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10000
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0
0
10000
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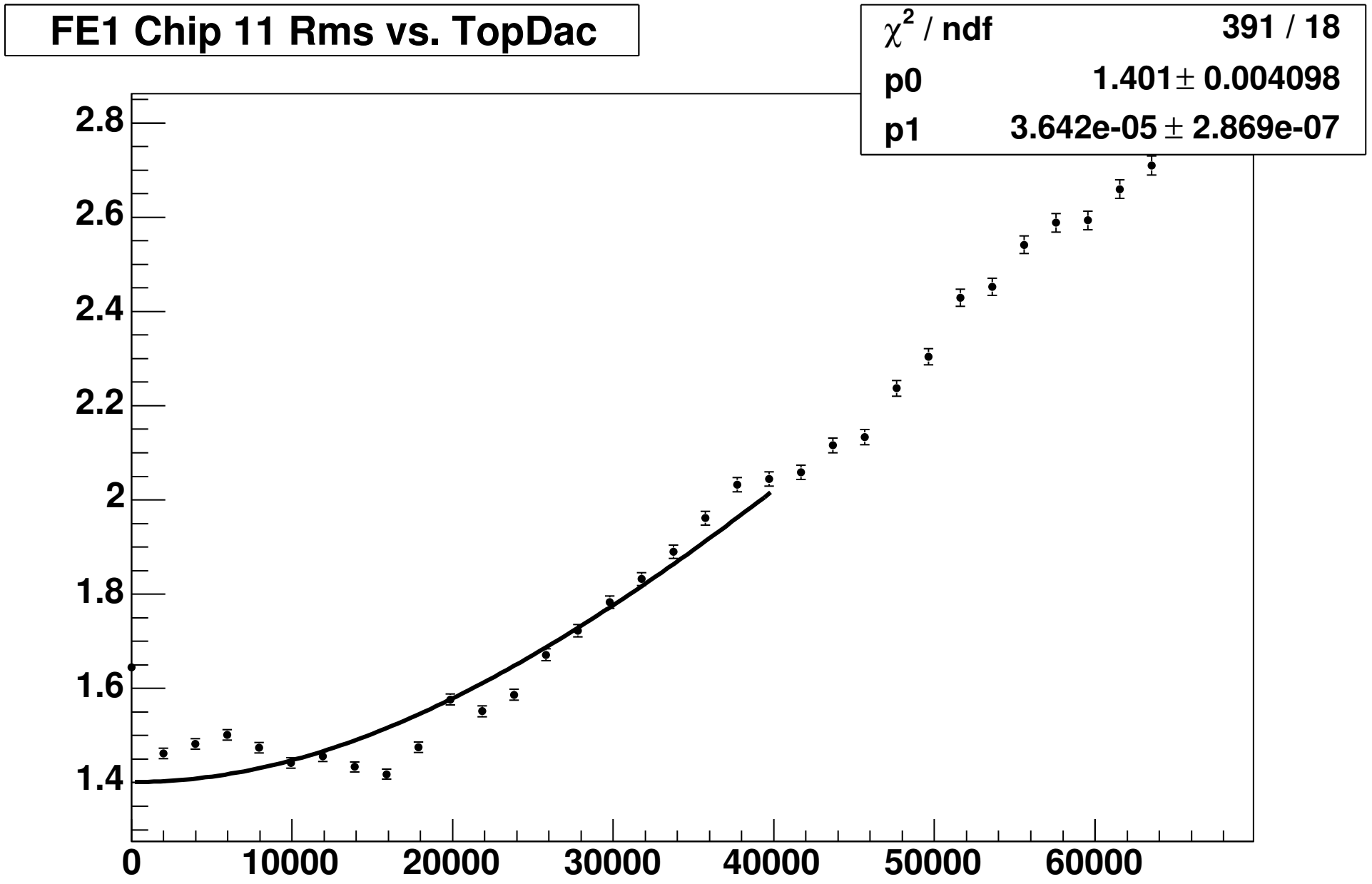
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 391 / 18
p0 1.401 ± 0.004098
p1 3.642e-05 ± 2.869e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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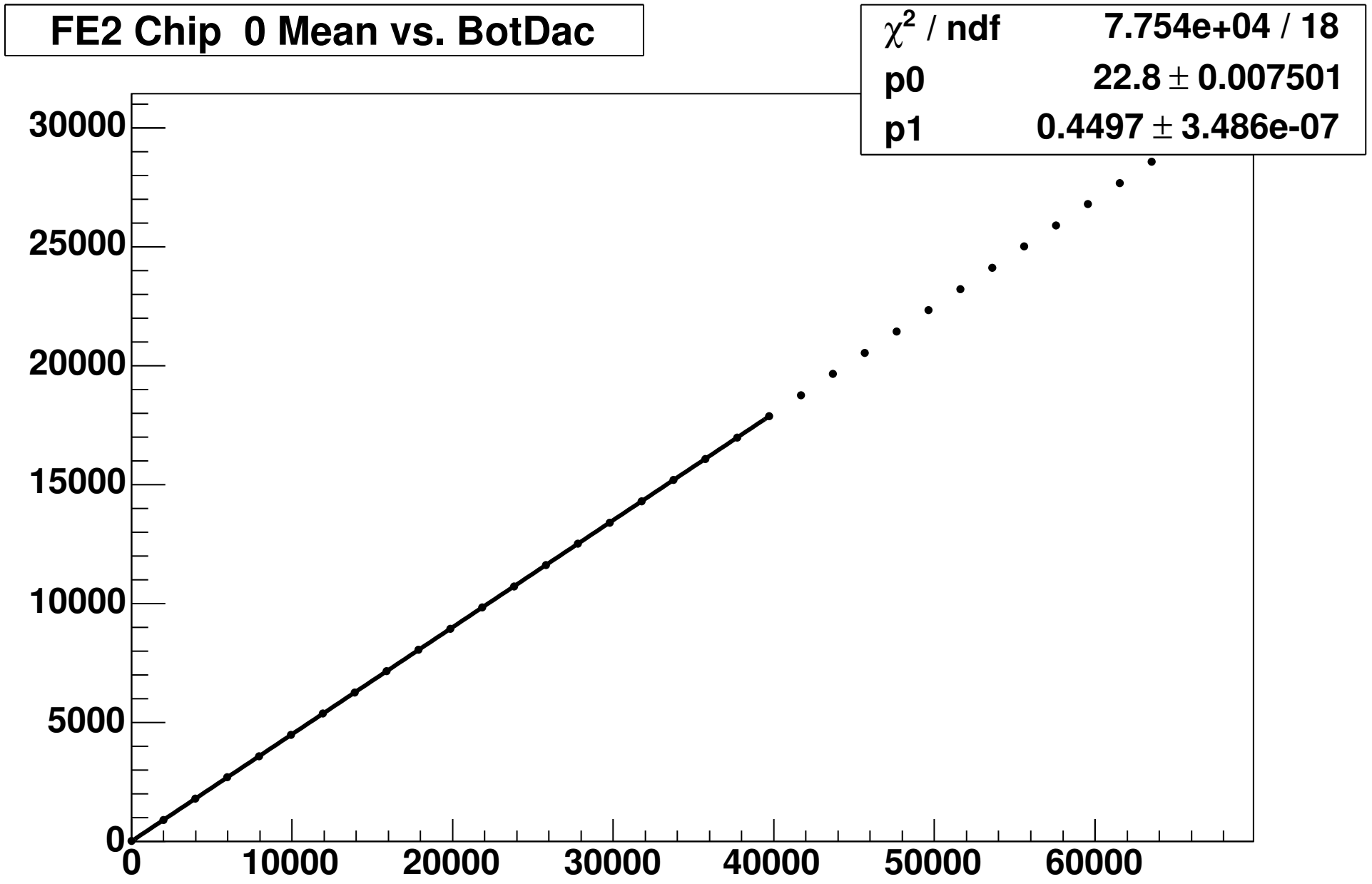
FE2 Chip 0 Mean vs. BotDac
χ² / ndf 7.754e+04 / 18
p0 22.8 ± 0.007501
p1 0.4497 ± 3.486e-07
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25000
20000
15000
10000
5000
0
0
10000
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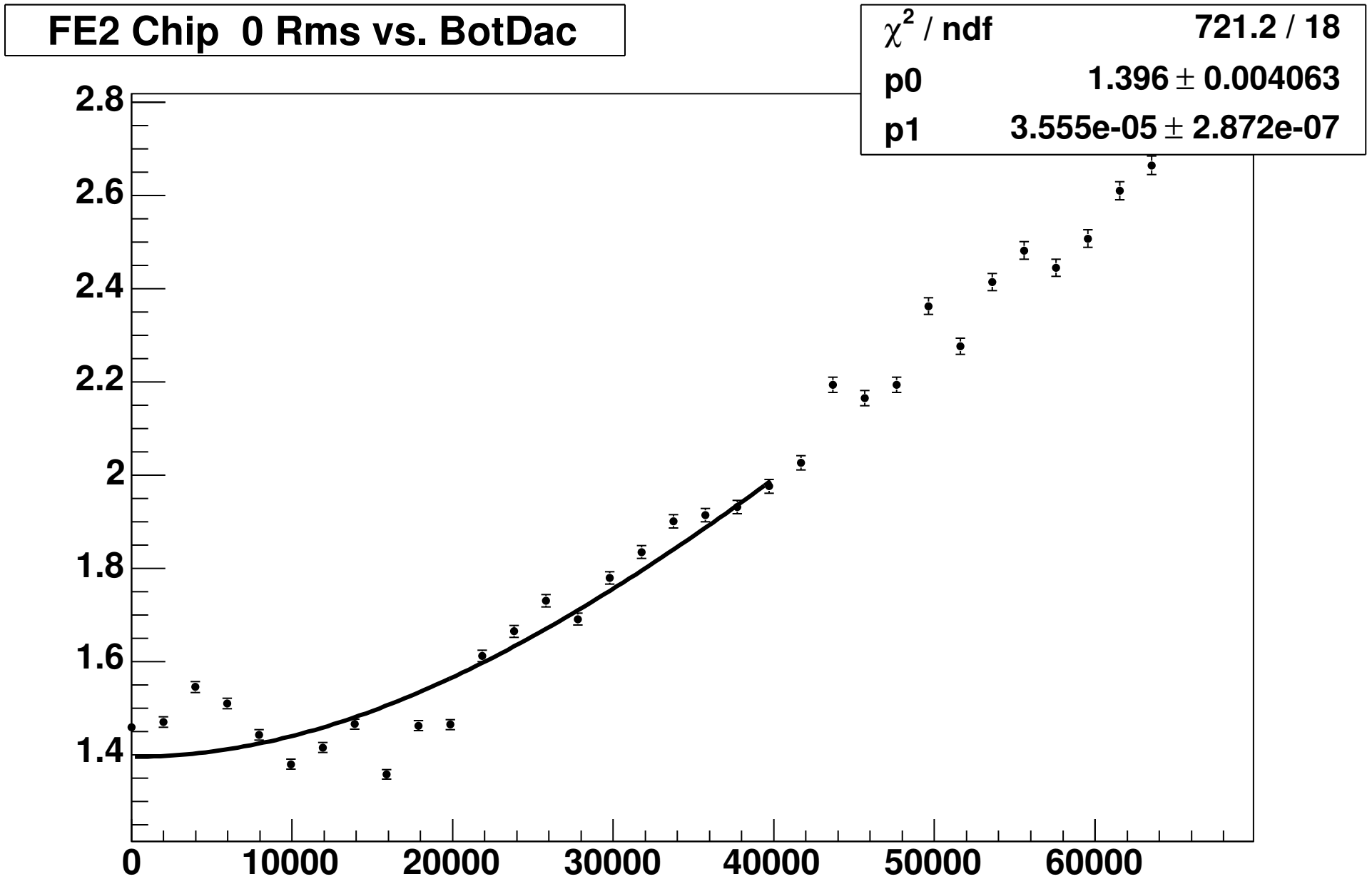
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 721.2 / 18
p0 1.396 ± 0.004063
p1 3.555e-05 ± 2.872e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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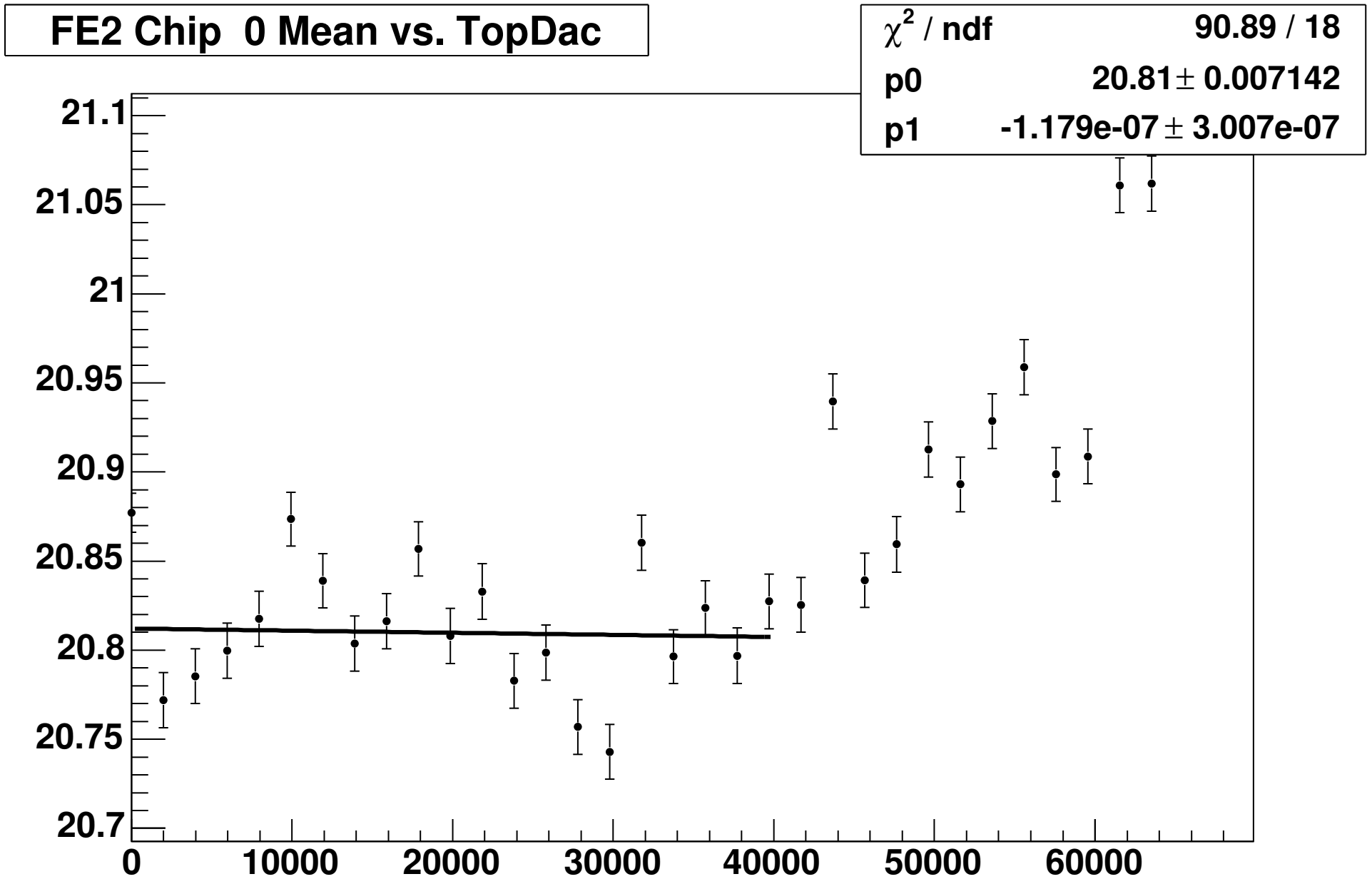
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 90.89 / 18
p0 20.81 ± 0.007142
p1 -1.179e-07 ± 3.007e-07
21.1
21.05
21
20.95
20.9
20.85
20.8
20.75
20.7
0
10000
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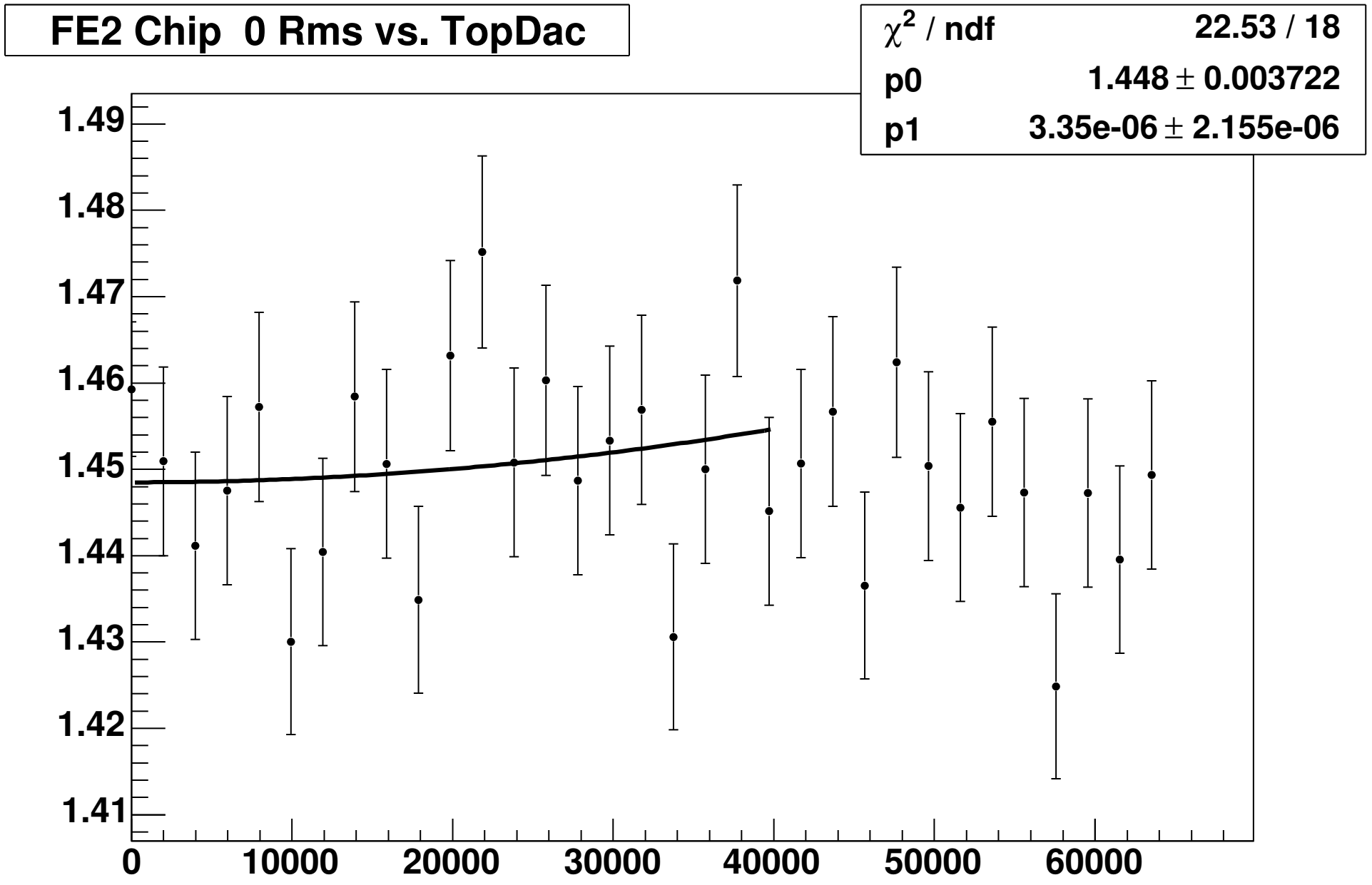
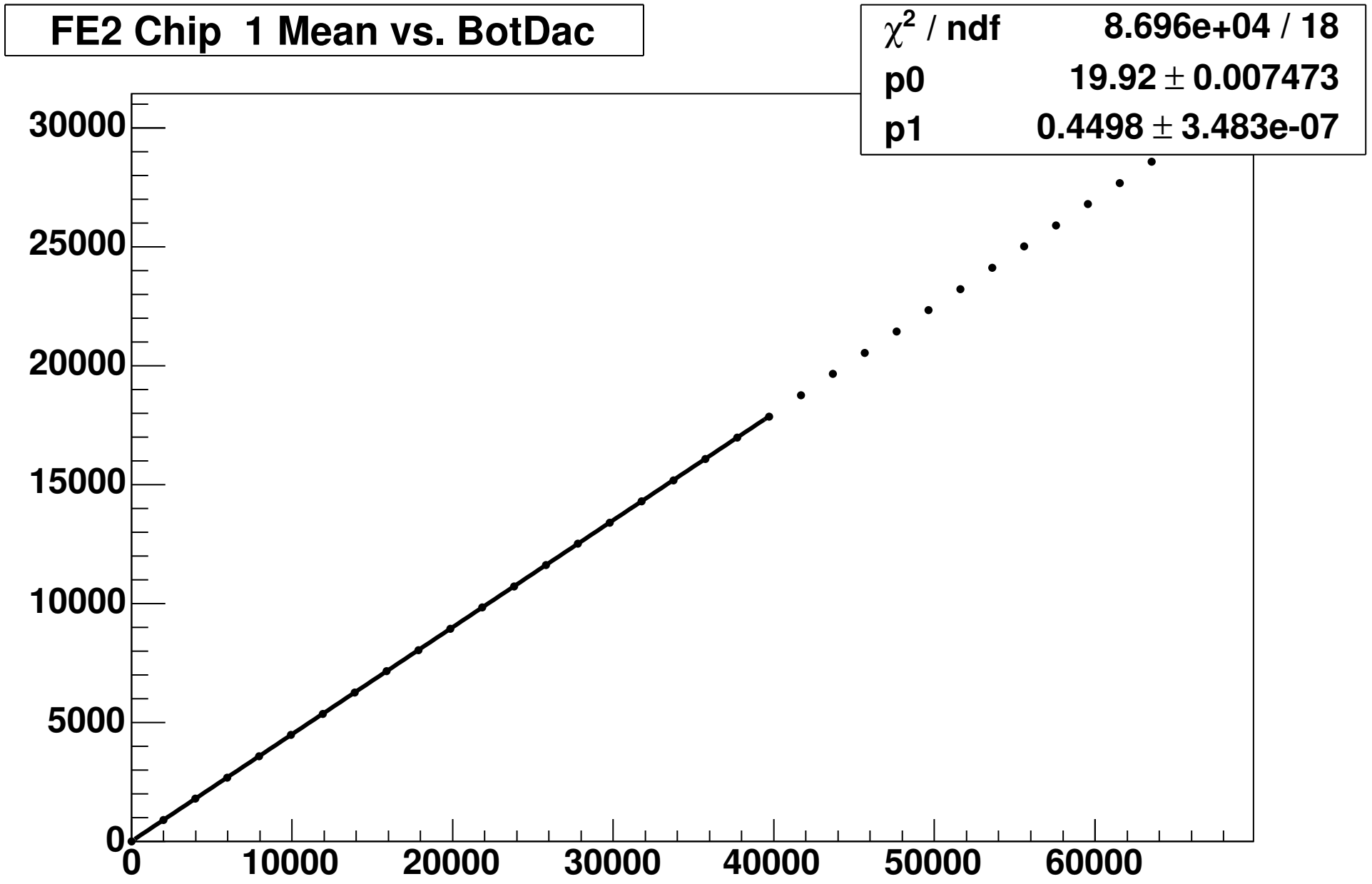
40000
50000
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 22.53 / 18
p0 1.448 ± 0.003722
p1 3.35e-06 ± 2.155e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 8.696e+04 / 18
p0 19.92 ± 0.007473
p1 0.4498 ± 3.483e-07
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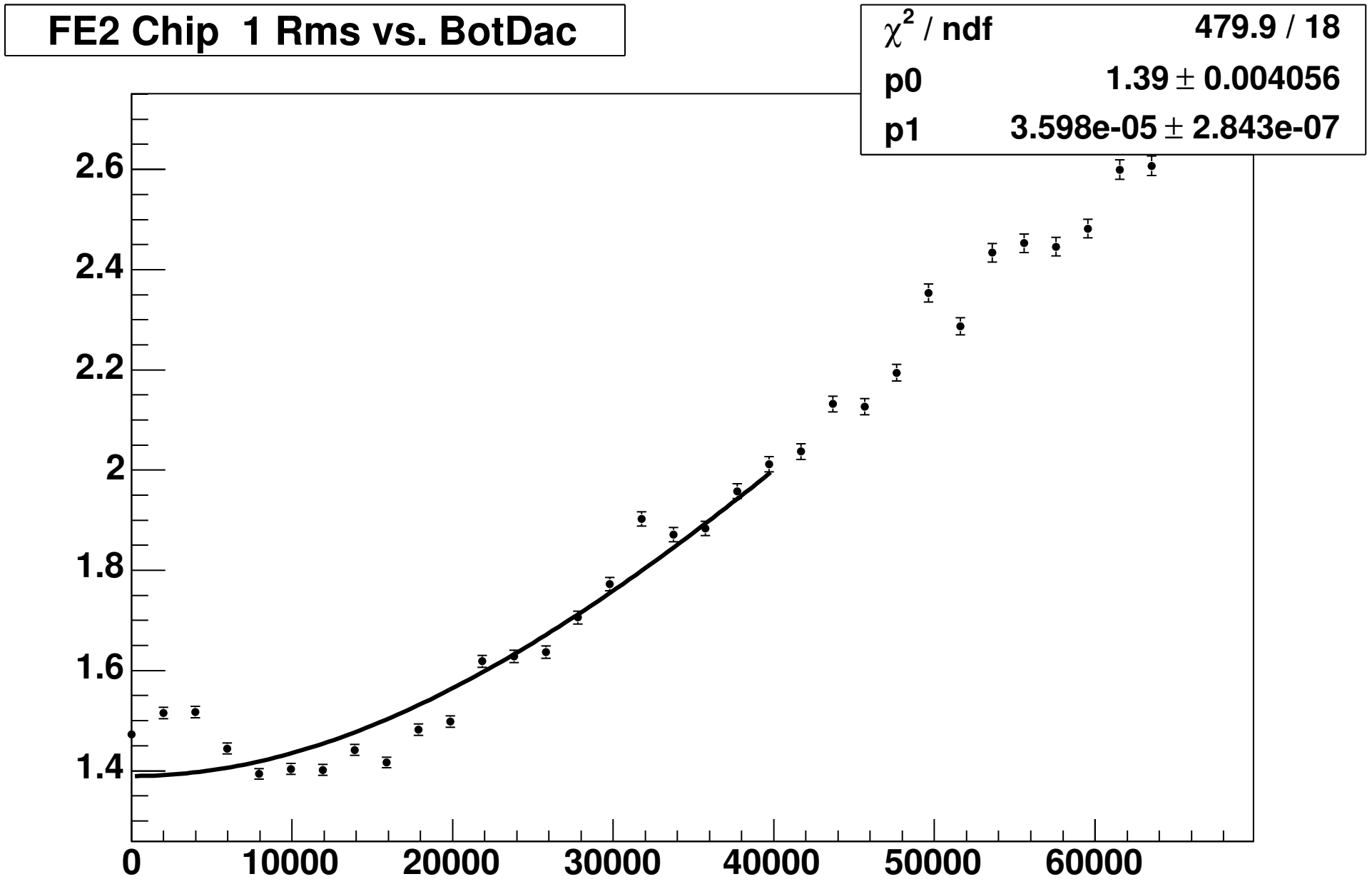
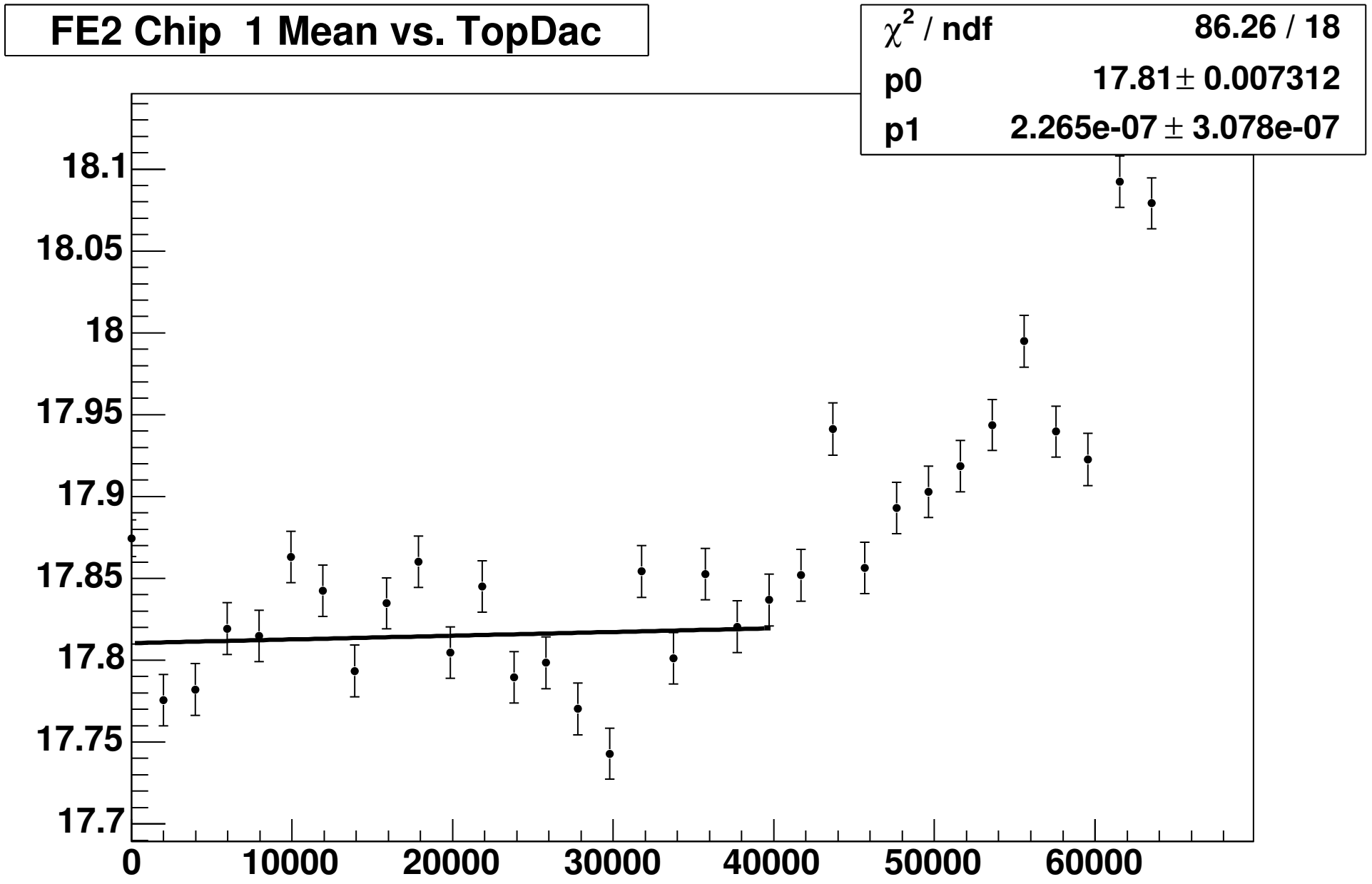
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 479.9 / 18
p0 1.39 ± 0.004056
p1 3.598e-05 ± 2.843e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 86.26 / 18
p0 17.81 ± 0.007312
p1 2.265e-07 ± 3.078e-07
18.1
18.05
18
17.95
17.9
17.85
17.8
17.75
17.7
0
10000
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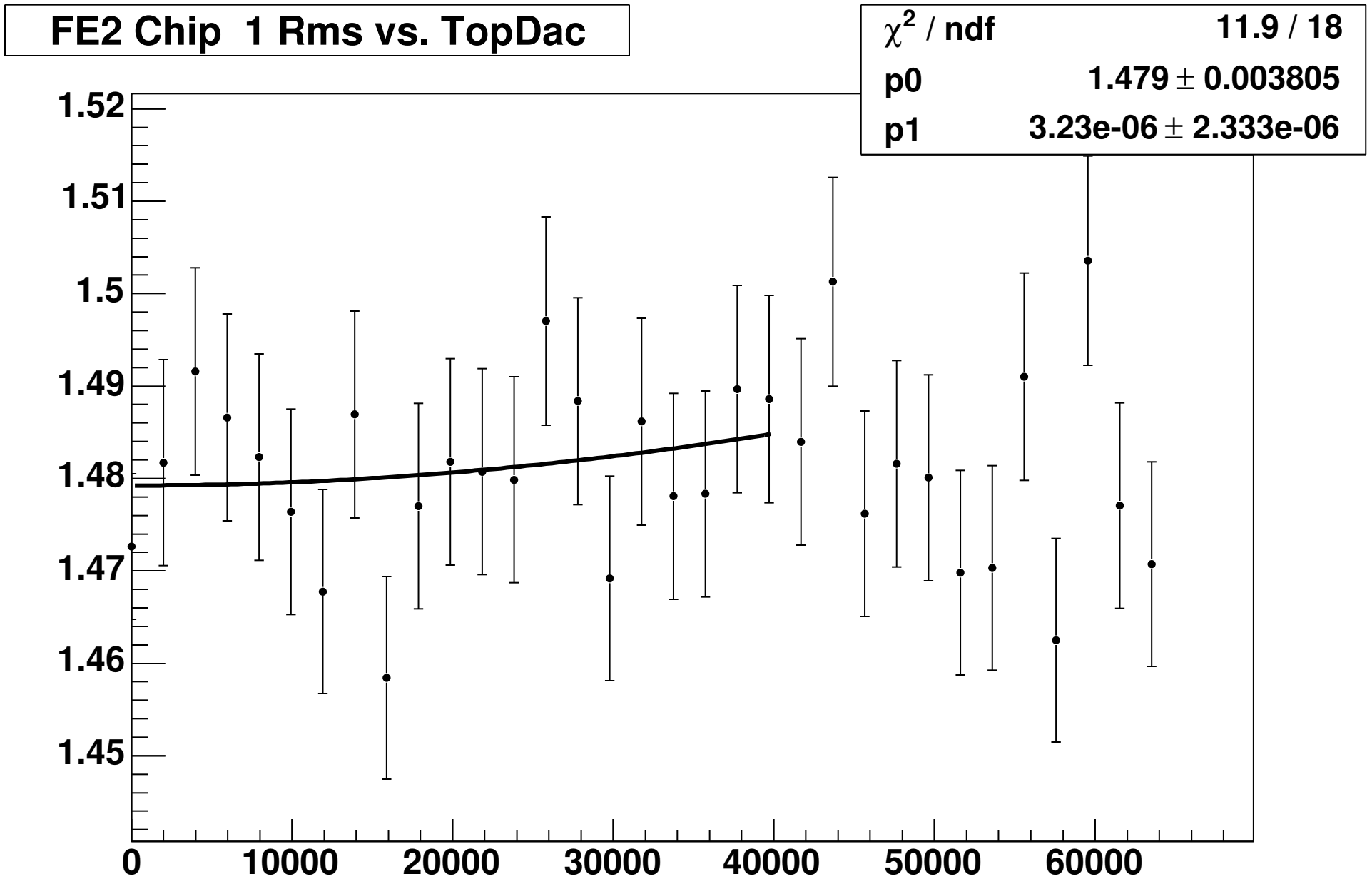
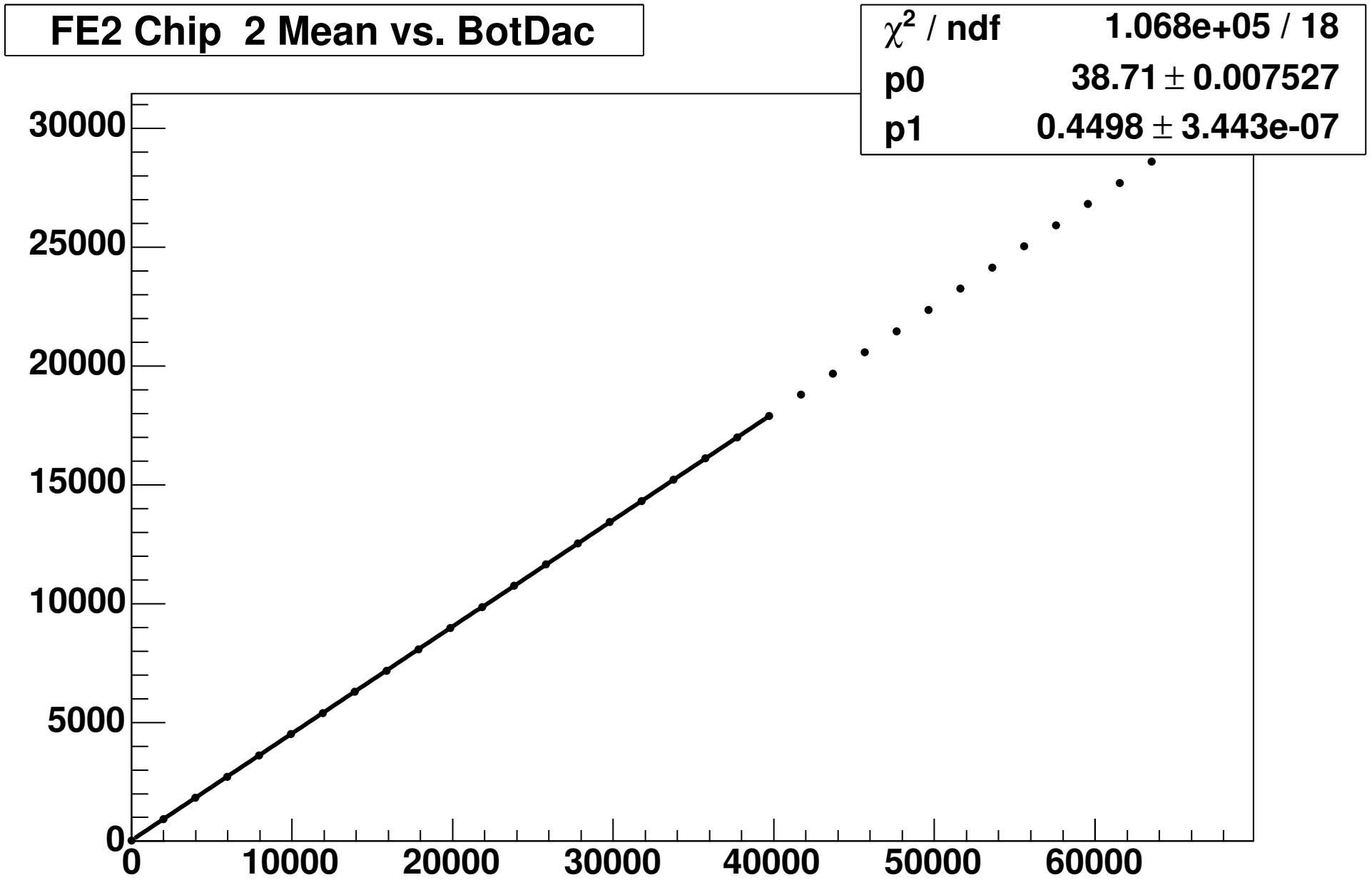
30000
40000
50000
60000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 11.9 / 18
p0 1.479 ± 0.003805
p1 3.23e-06 ± 2.333e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.068e+05 / 18
p0 38.71 ± 0.007527
p1 0.4498 ± 3.443e-07
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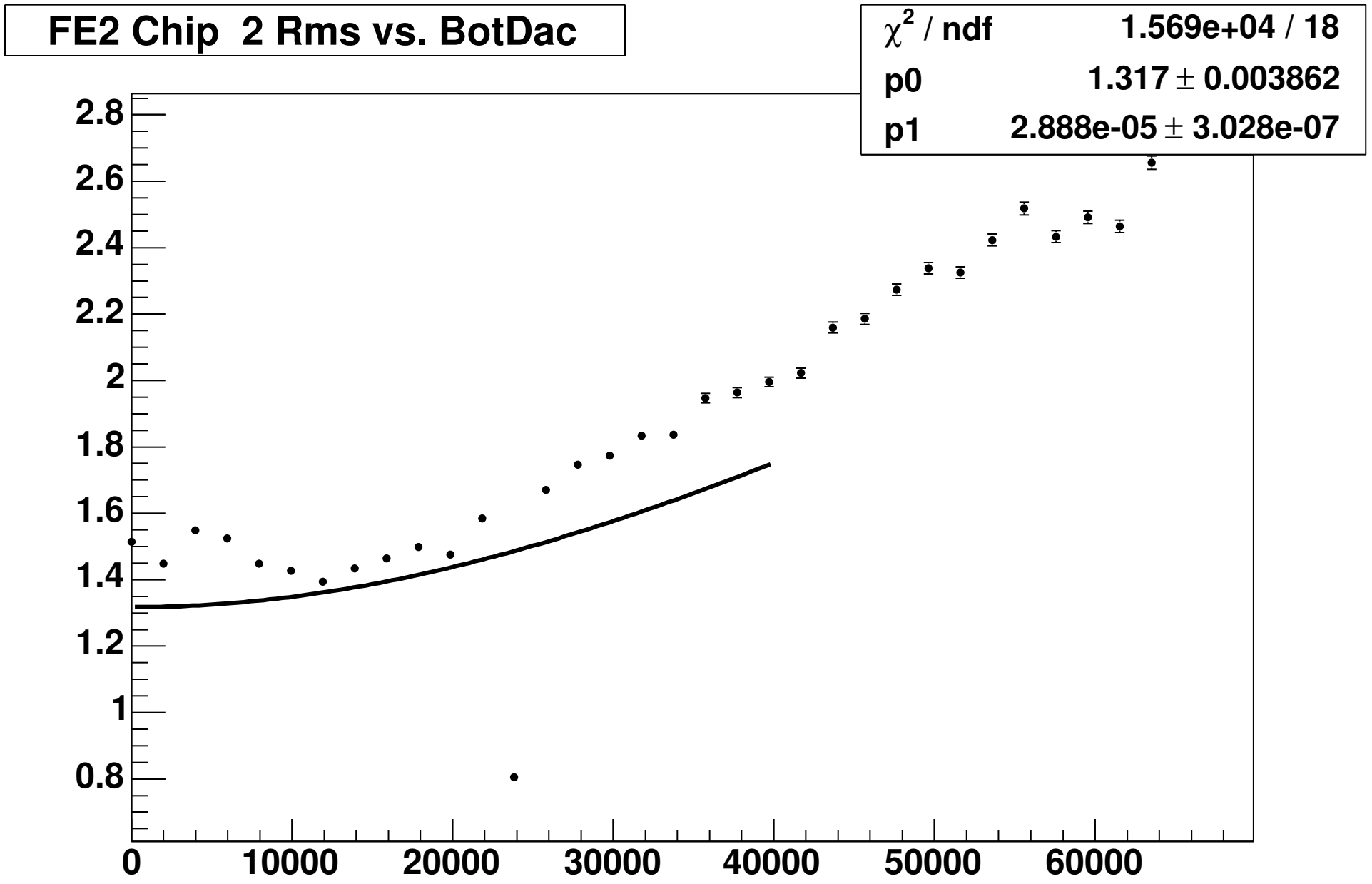
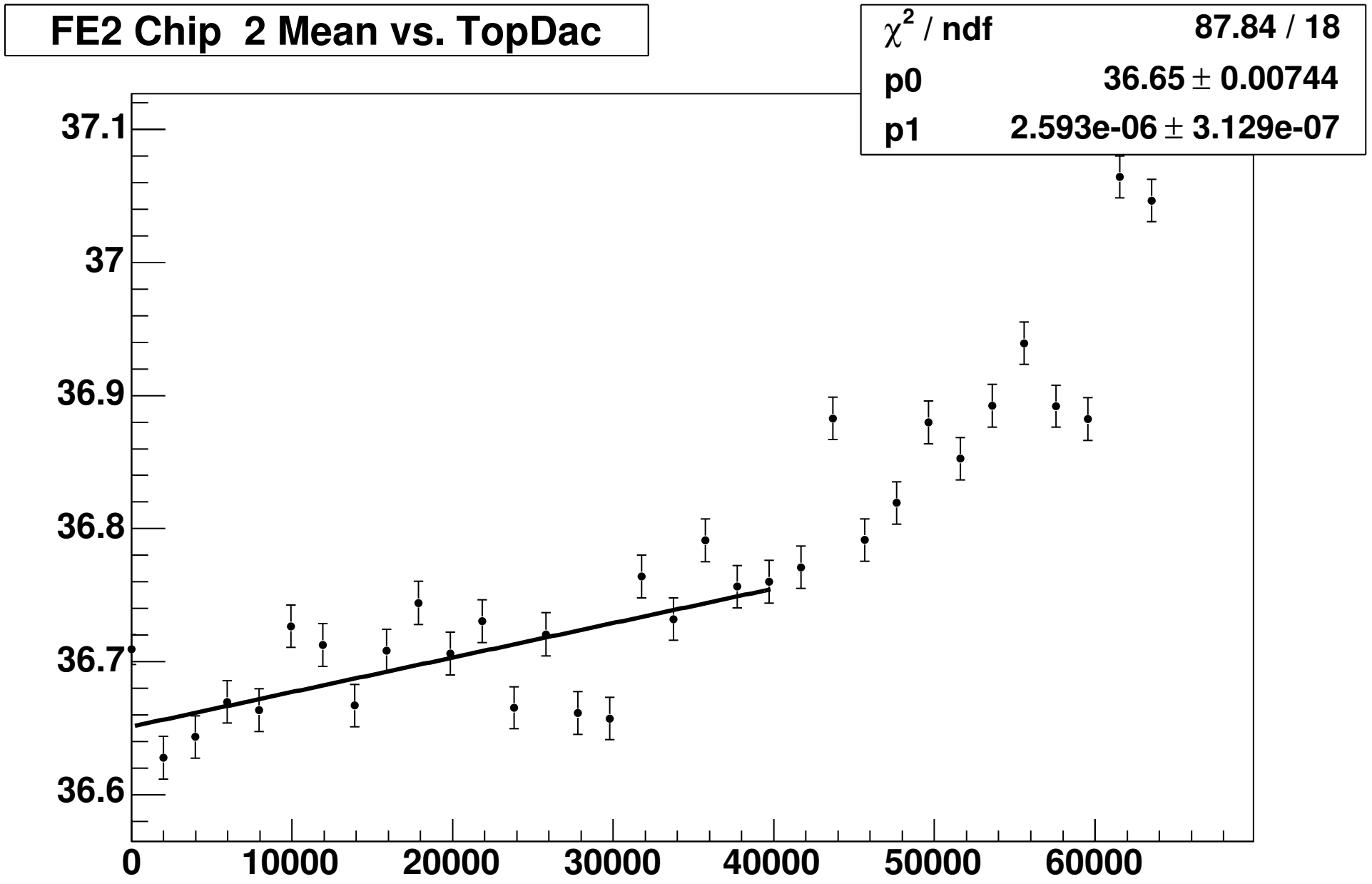
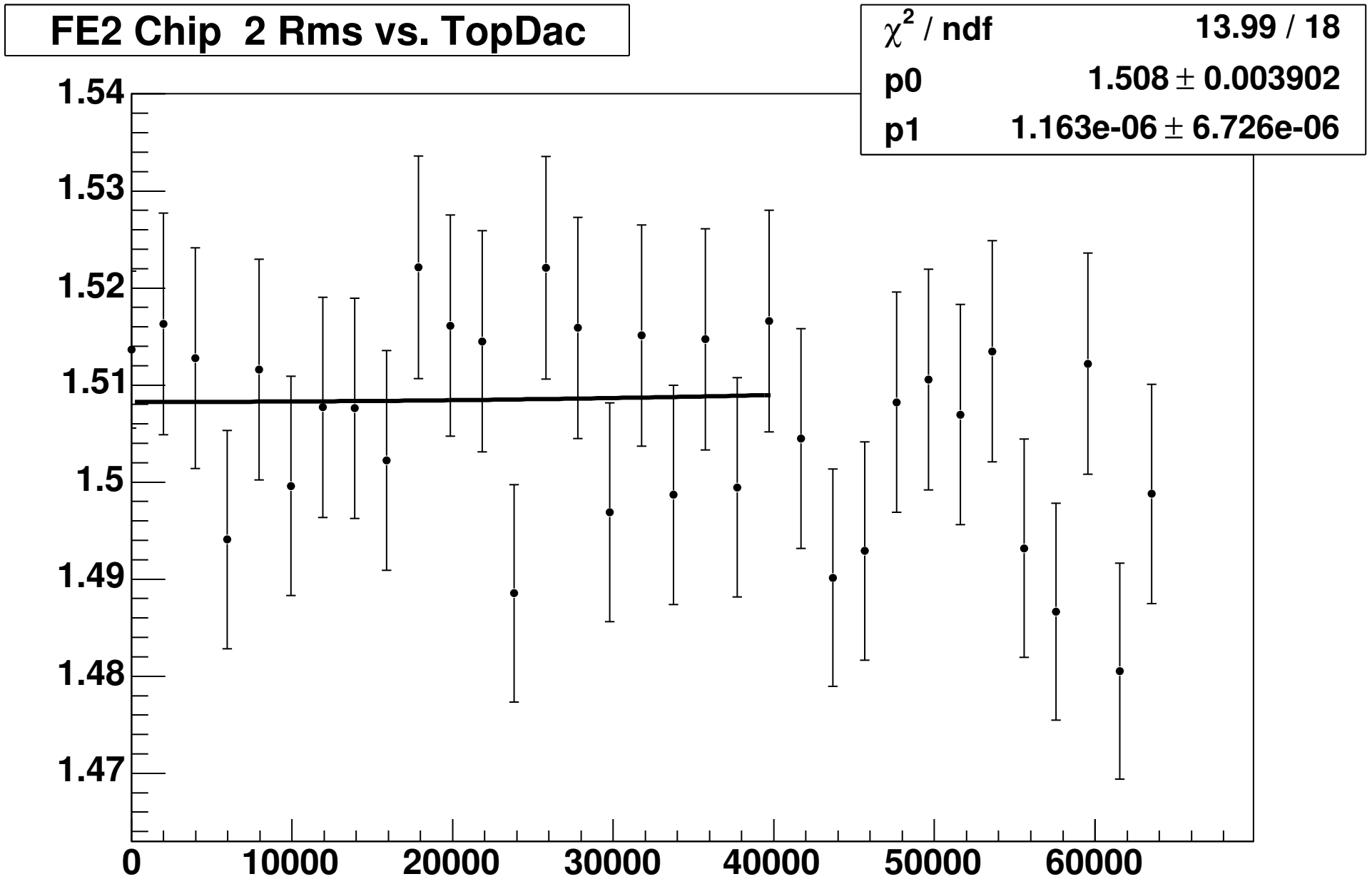
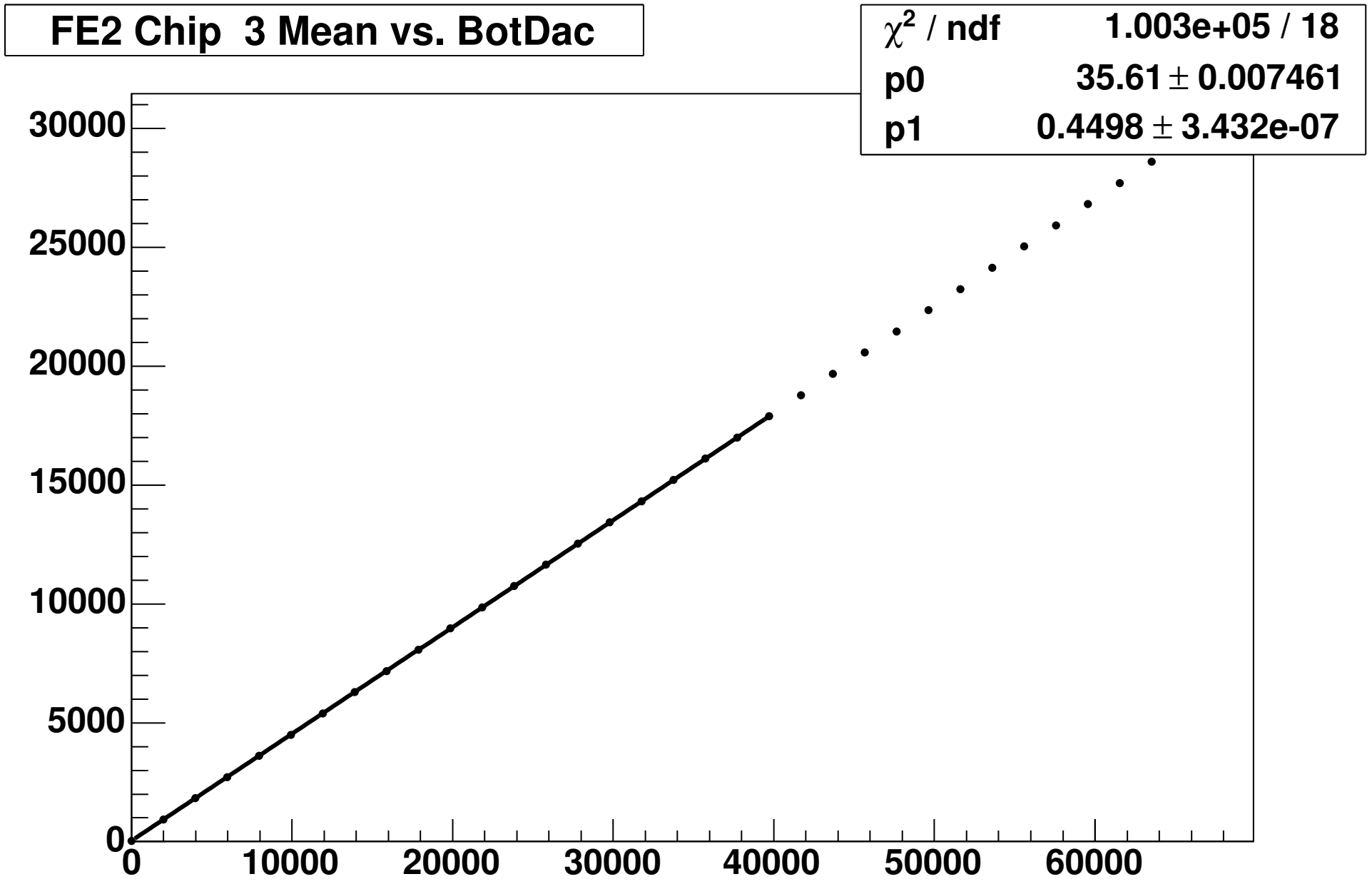
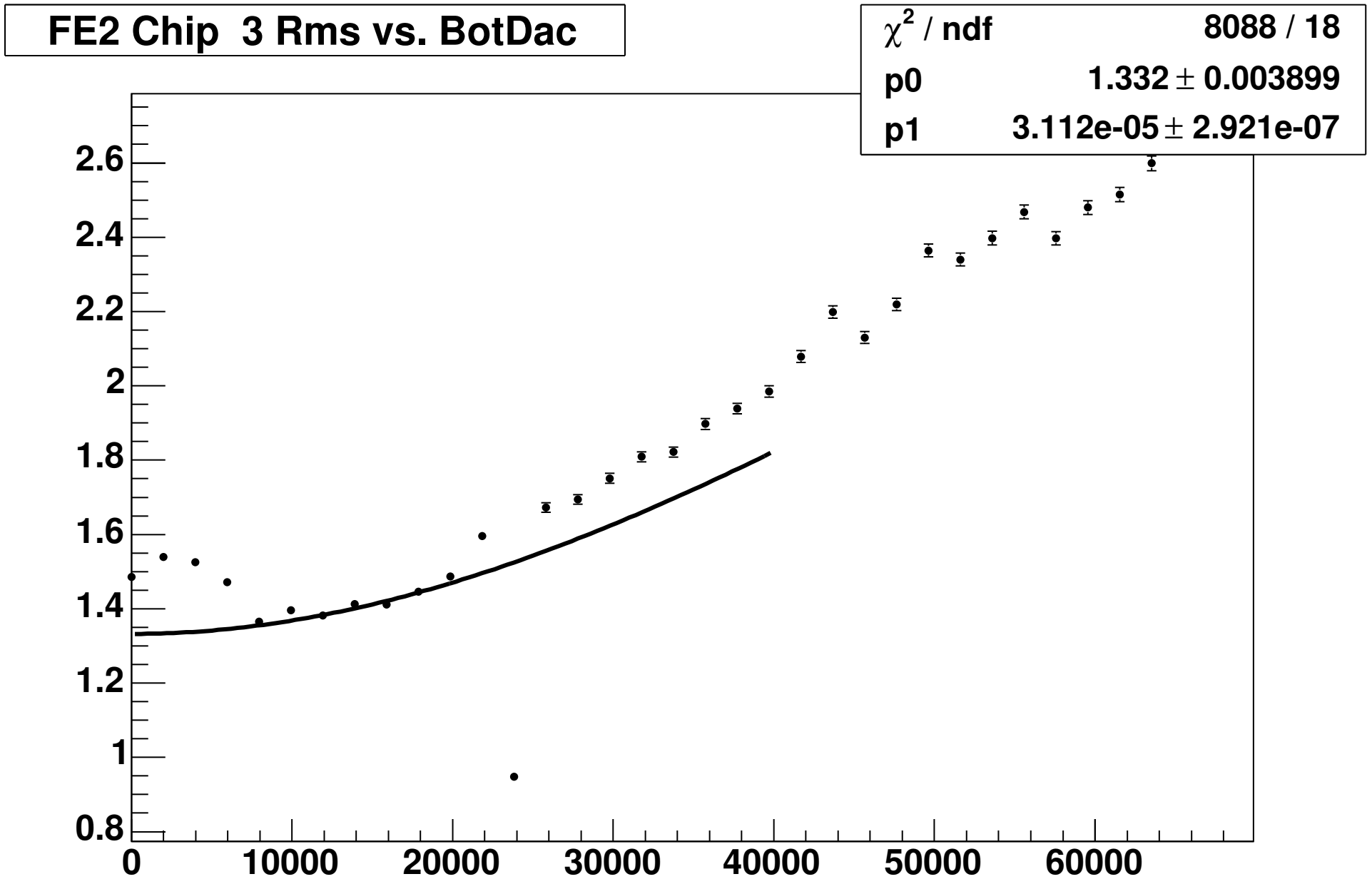
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

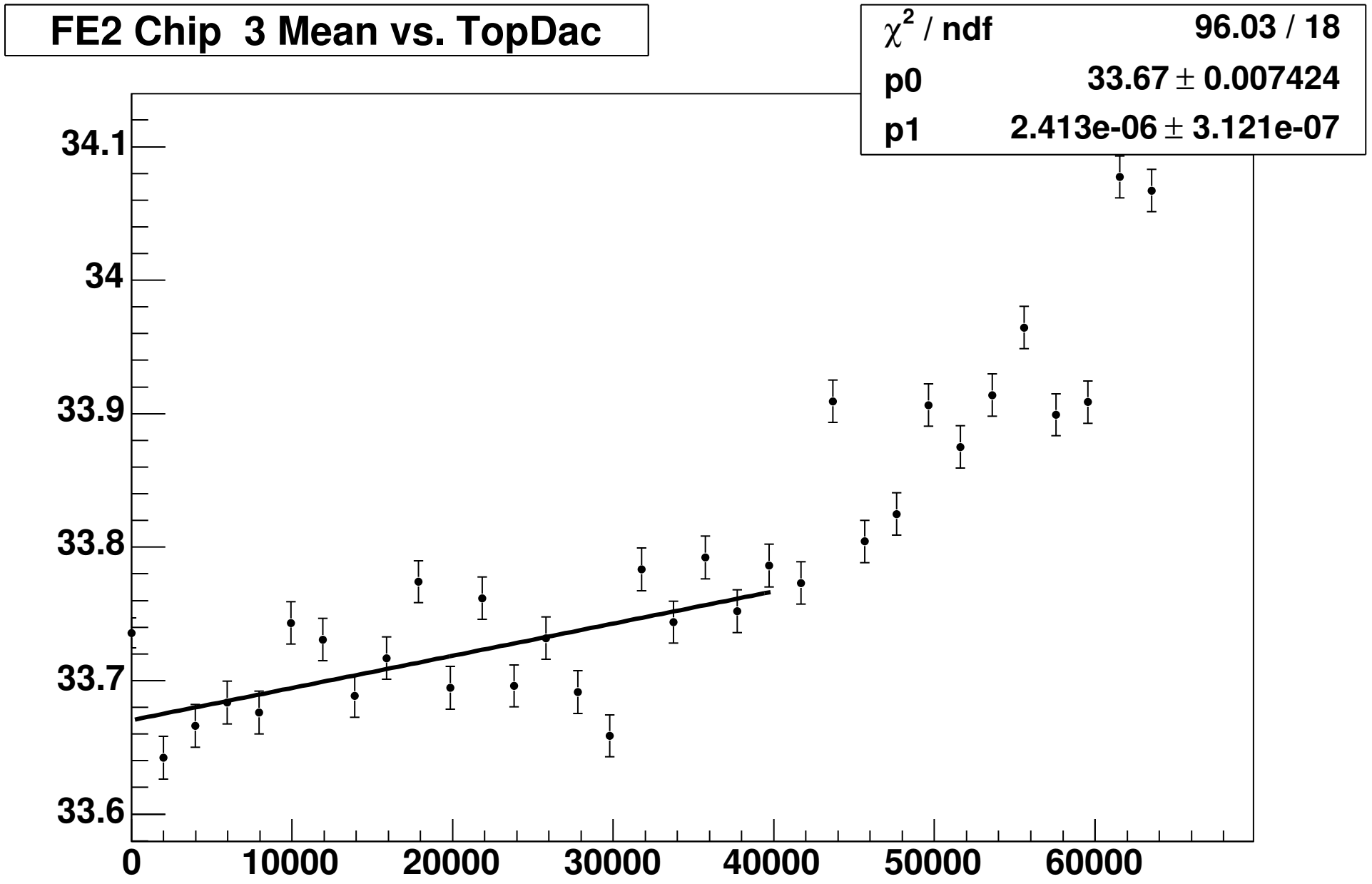

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 1.569e+04 / 18
p0 1.317 ± 0.003862
p1 2.888e-05 ± 3.028e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000

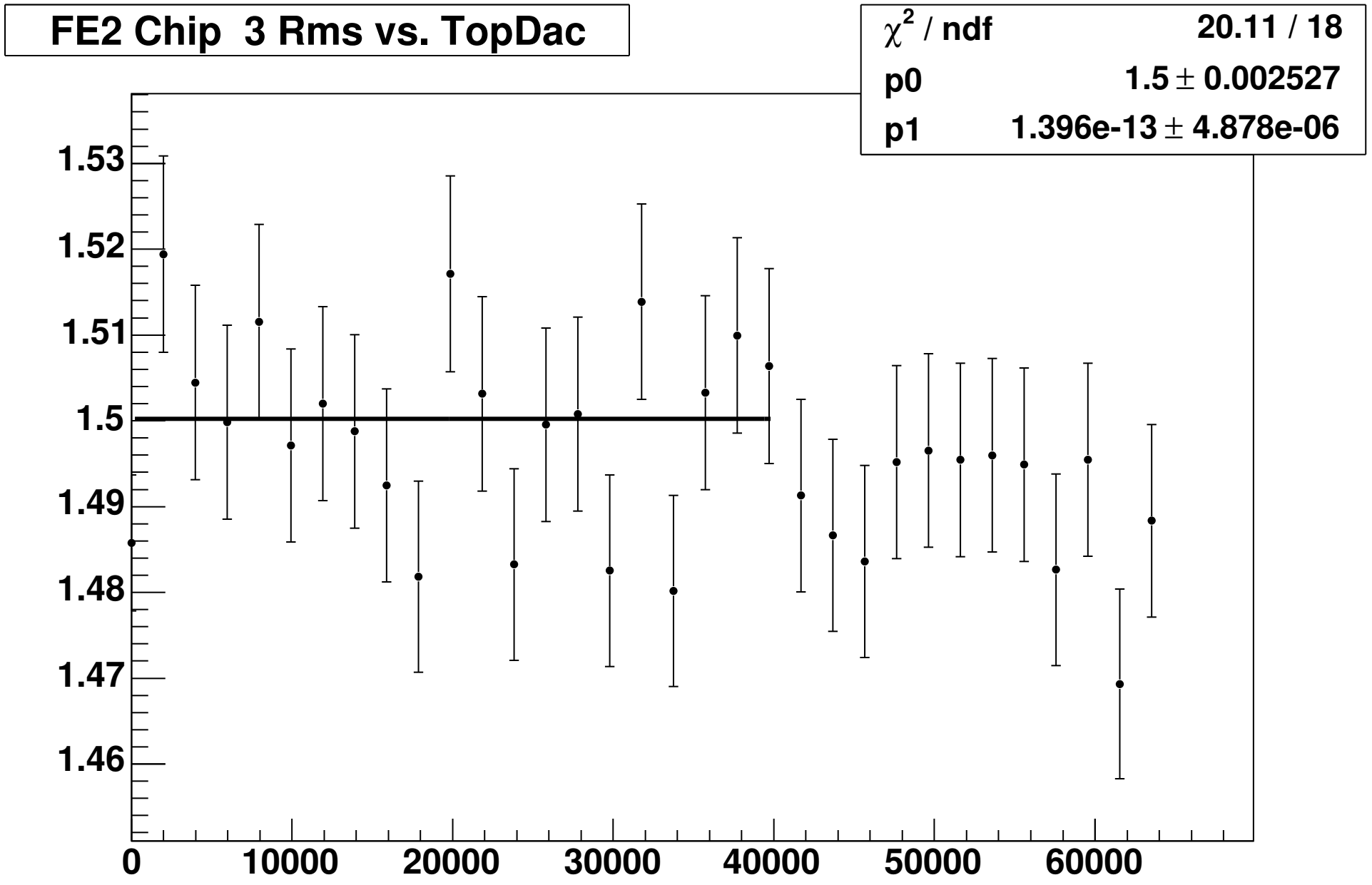

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 87.84 / 18
p0 36.65 ± 0.00744
p1 2.593e-06 ± 3.129e-07
37.1
37
36.9
36.8
36.7
36.6
0
10000
20000
30000
40000
50000
60000

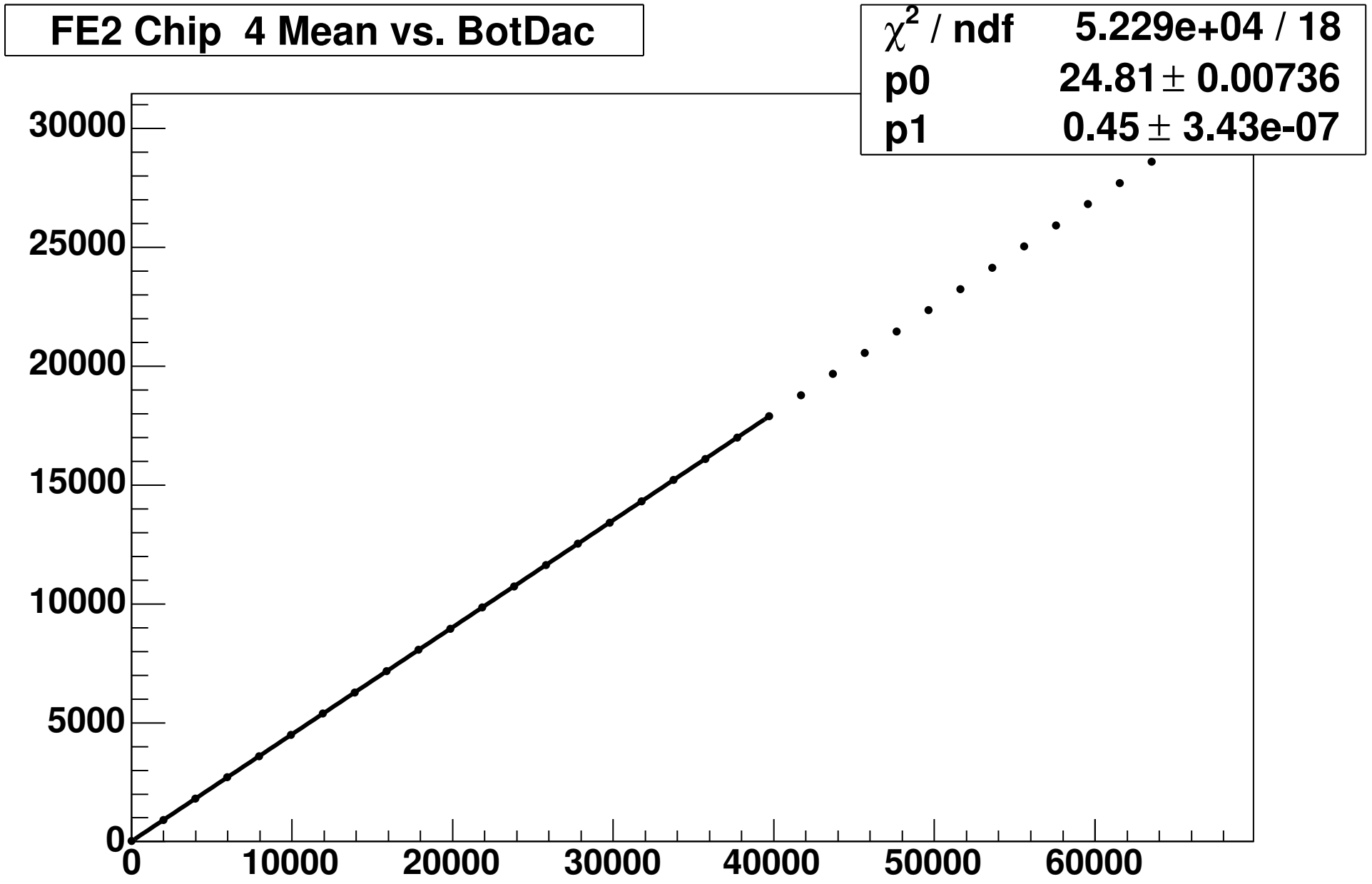

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 13.99 / 18
p0 1.508 ± 0.003902
p1 1.163e-06 ± 6.726e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.003e+05 / 18
p0 35.61 ± 0.007461
p1 0.4498 ± 3.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 8088 / 18
p0 1.332 ± 0.003899
p1 3.112e-05 ± 2.921e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 96.03 / 18
p0 33.67 ± 0.007424
p1 2.413e-06 ± 3.121e-07
34.1
34
33.9
33.8
33.7
33.6
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 20.11 / 18
p0 1.5 ± 0.002527
p1 1.396e-13 ± 4.878e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 5.229e+04 / 18
p0 24.81 ± 0.00736
p1 0.45 ± 3.43e-07
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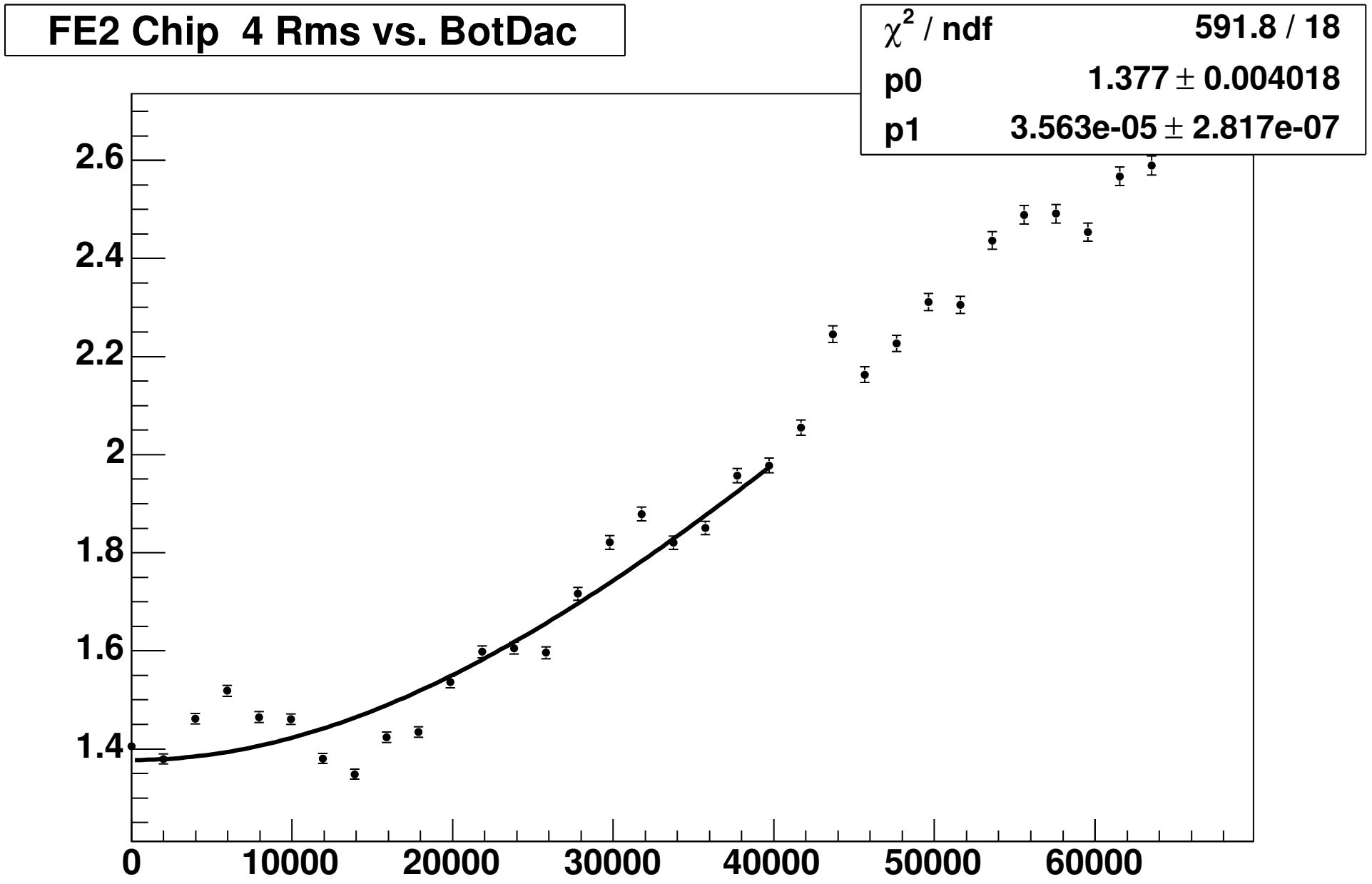
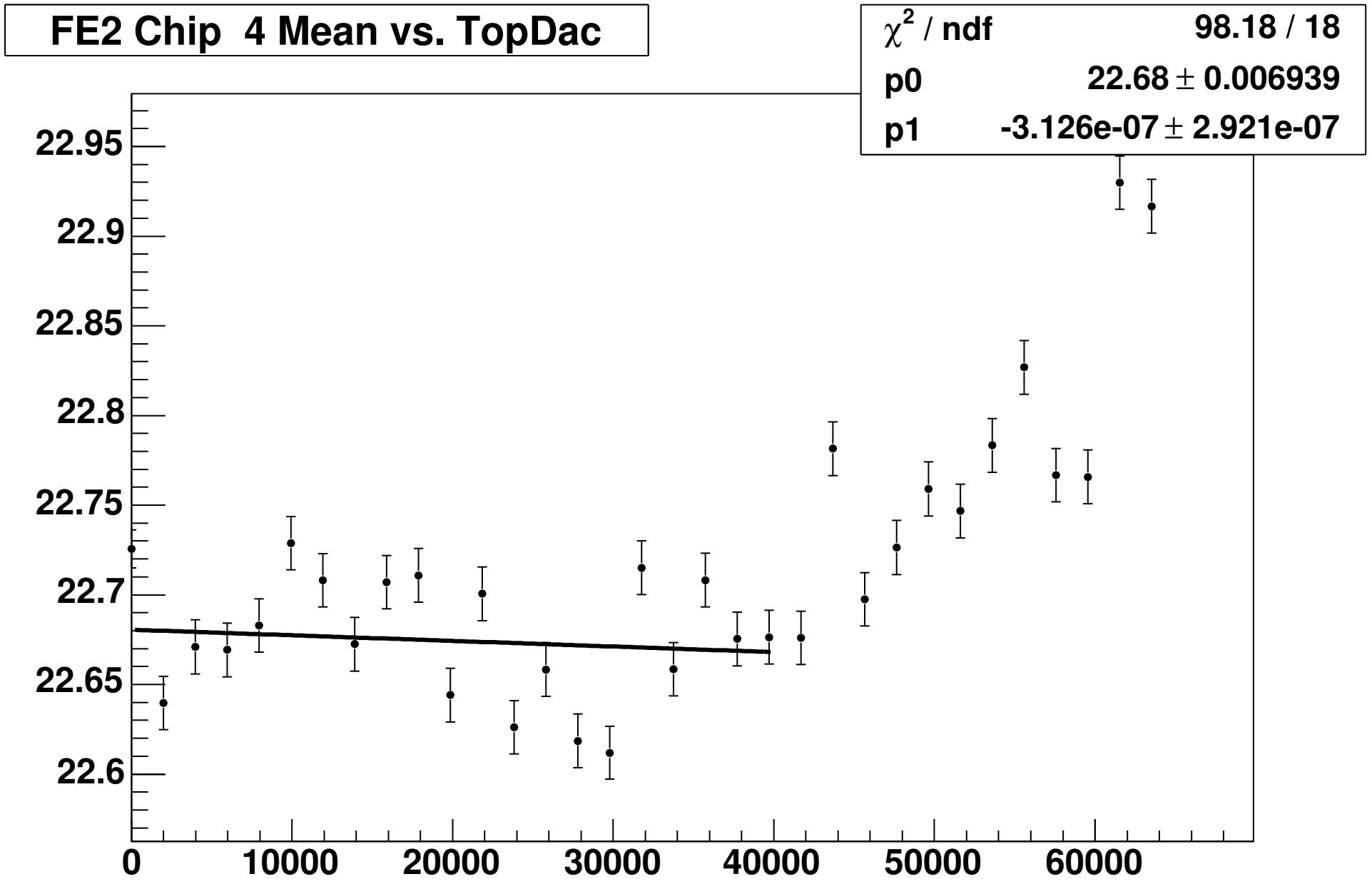
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 591.8 / 18
p0 1.377 ± 0.004018
p1 3.563e-05 ± 2.817e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 98.18 / 18
p0 22.68 ± 0.006939
p1 -3.126e-07 ± 2.921e-07
22.95
22.9
22.85
22.8
22.75
22.7
22.65
22.6
0
10000
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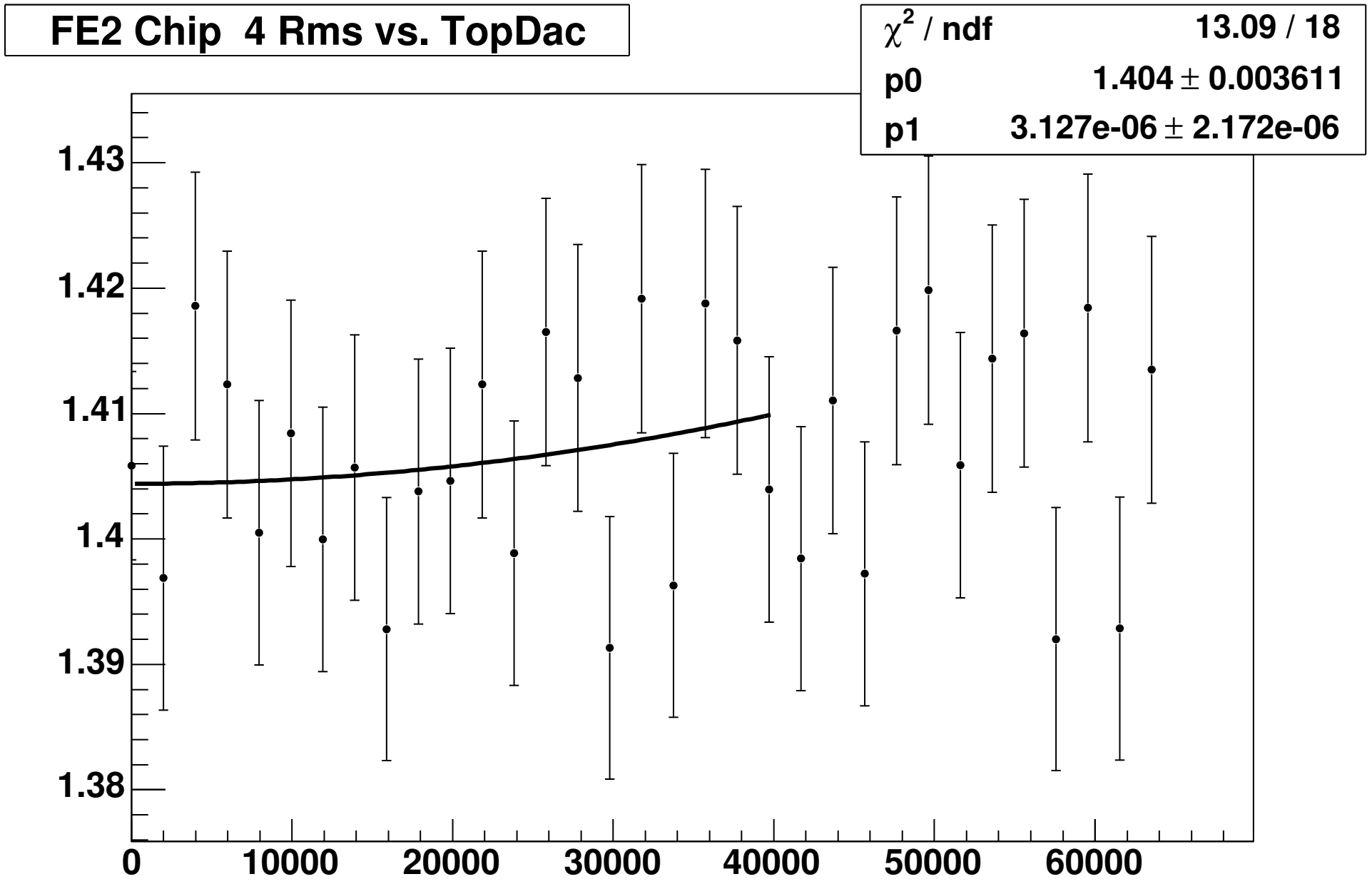
40000
50000
60000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 13.09 / 18
p0 1.404 ± 0.003611
p1 3.127e-06 ± 2.172e-06
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
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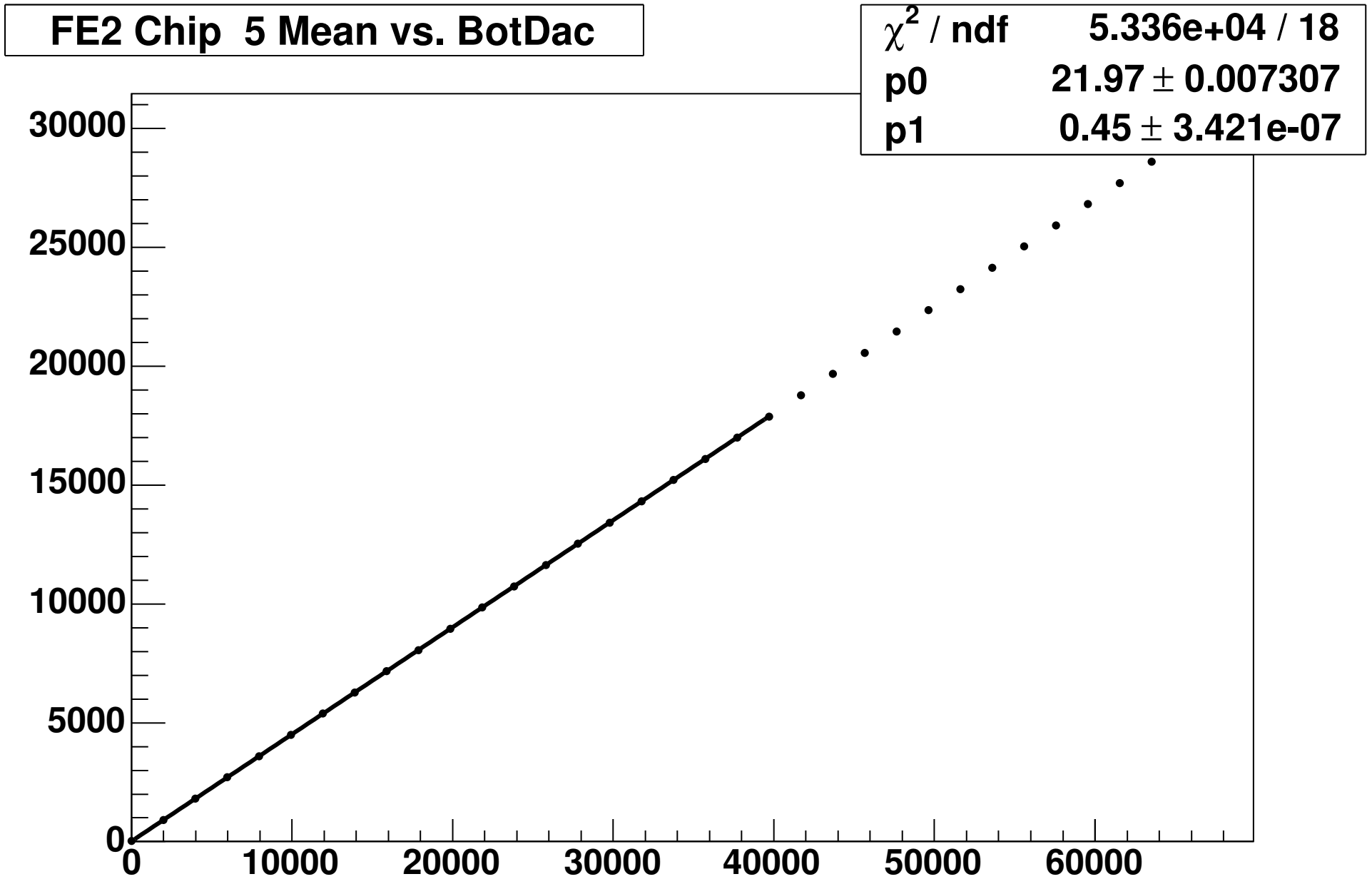
60000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 5.336e+04 / 18
p0 21.97 ± 0.007307
p1 0.45 ± 3.421e-07
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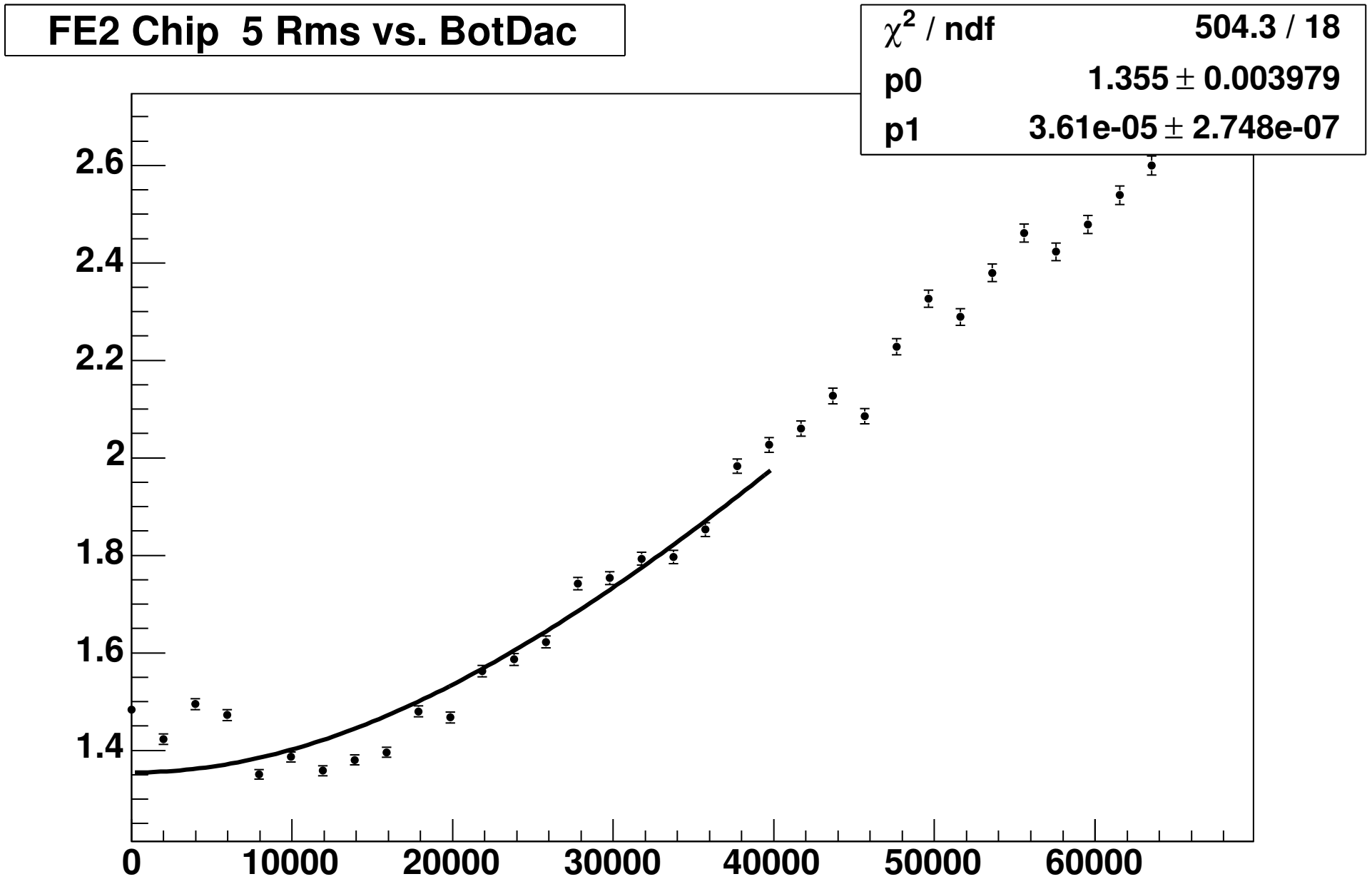
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 504.3 / 18
p0 1.355 ± 0.003979
p1 3.61e-05 ± 2.748e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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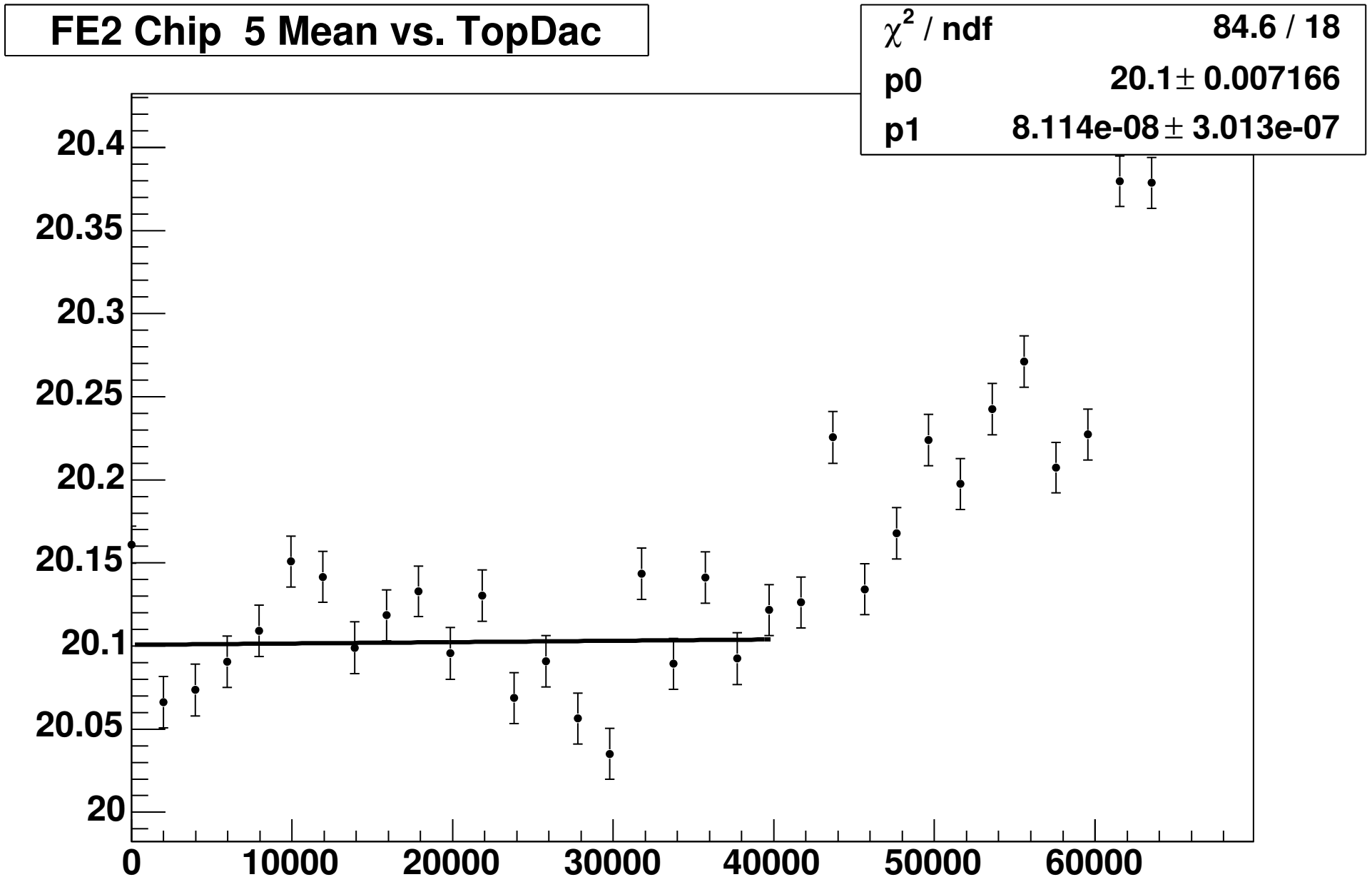
30000
40000
50000
60000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 84.6 / 18
p0 20.1 ± 0.007166
p1 8.114e-08 ± 3.013e-07
20.4
20.35
20.3
20.25
20.2
20.15
20.1
20.05
20
0
10000
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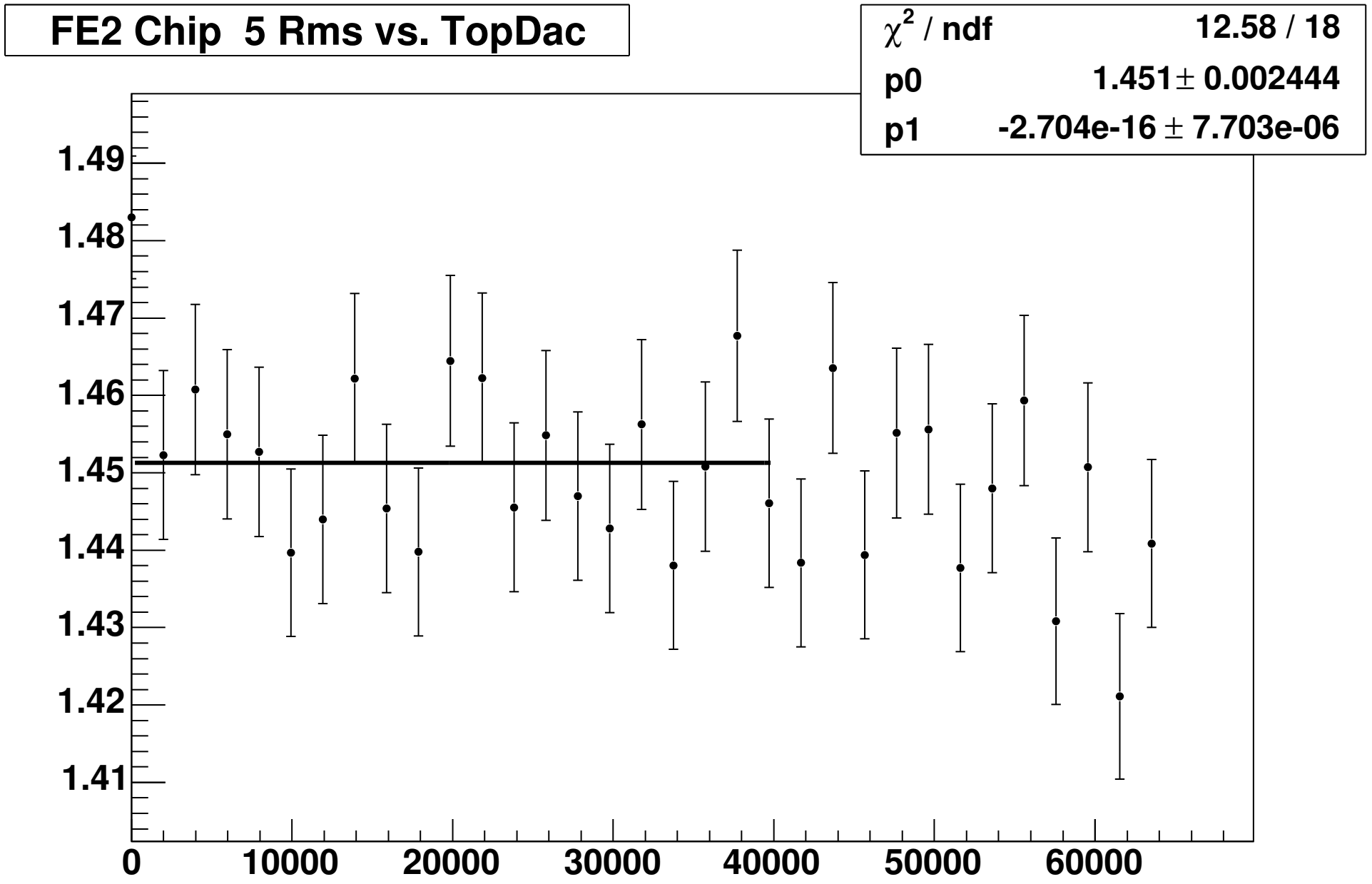
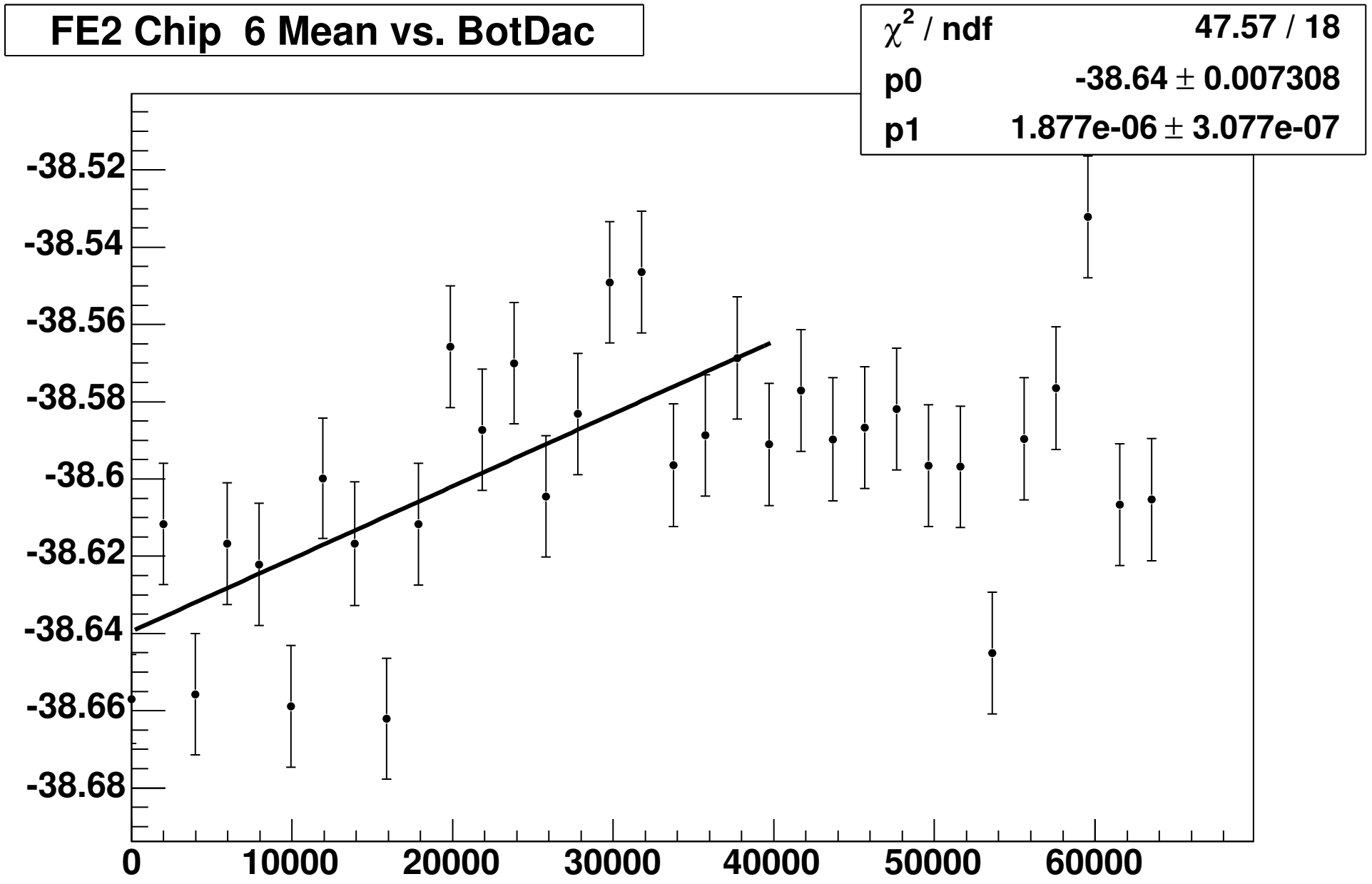
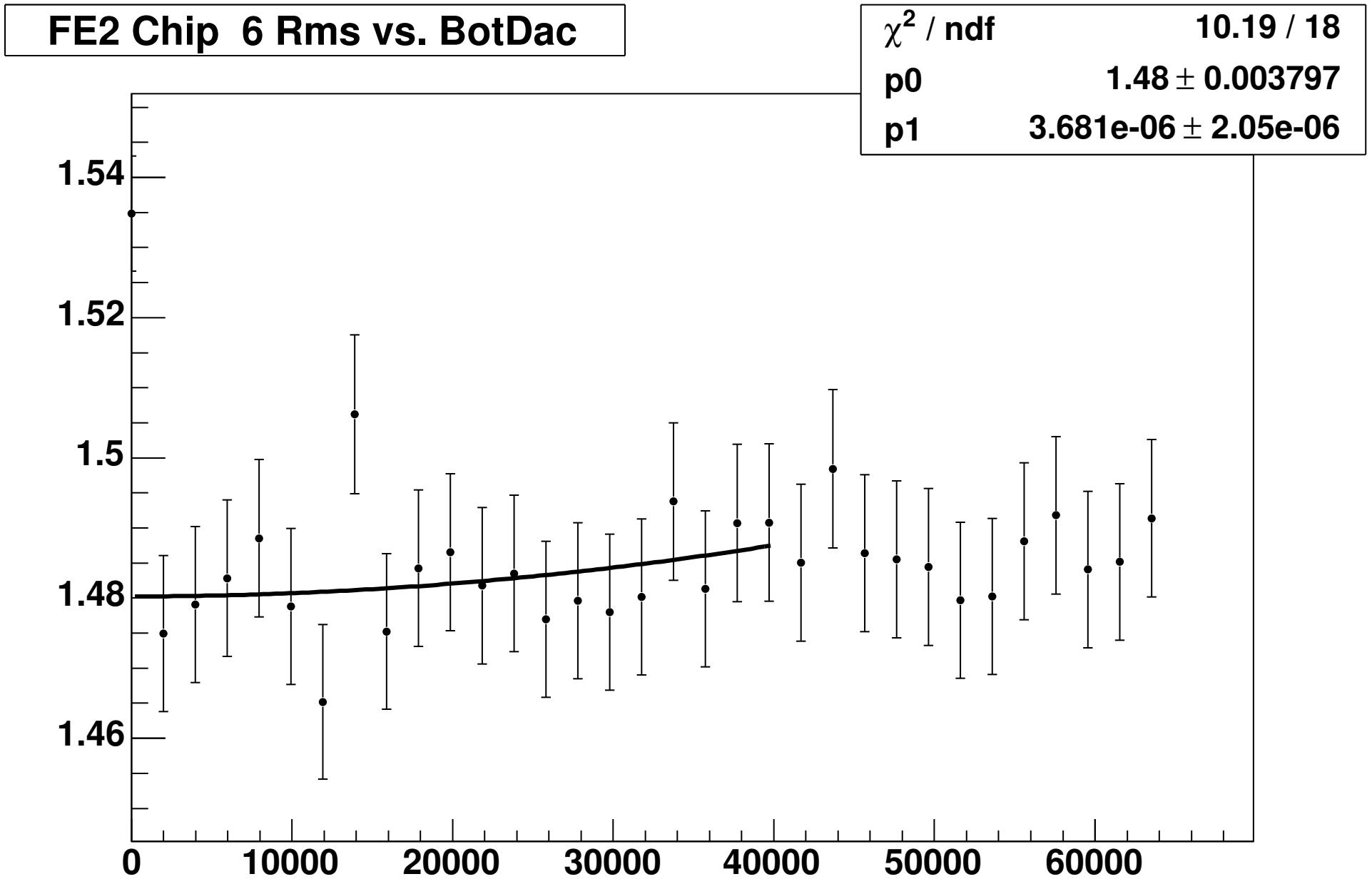
30000
40000
50000
60000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 12.58 / 18
p0 1.451 ± 0.002444
p1 -2.704e-16 ± 7.703e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 47.57 / 18
p0 -38.64 ± 0.007308
p1 1.877e-06 ± 3.077e-07
-38.52
-38.54
-38.56
-38.58
-38.6
-38.62
-38.64
-38.66
-38.68
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 10.19 / 18
p0 1.48 ± 0.003797
p1 3.681e-06 ± 2.05e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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40000
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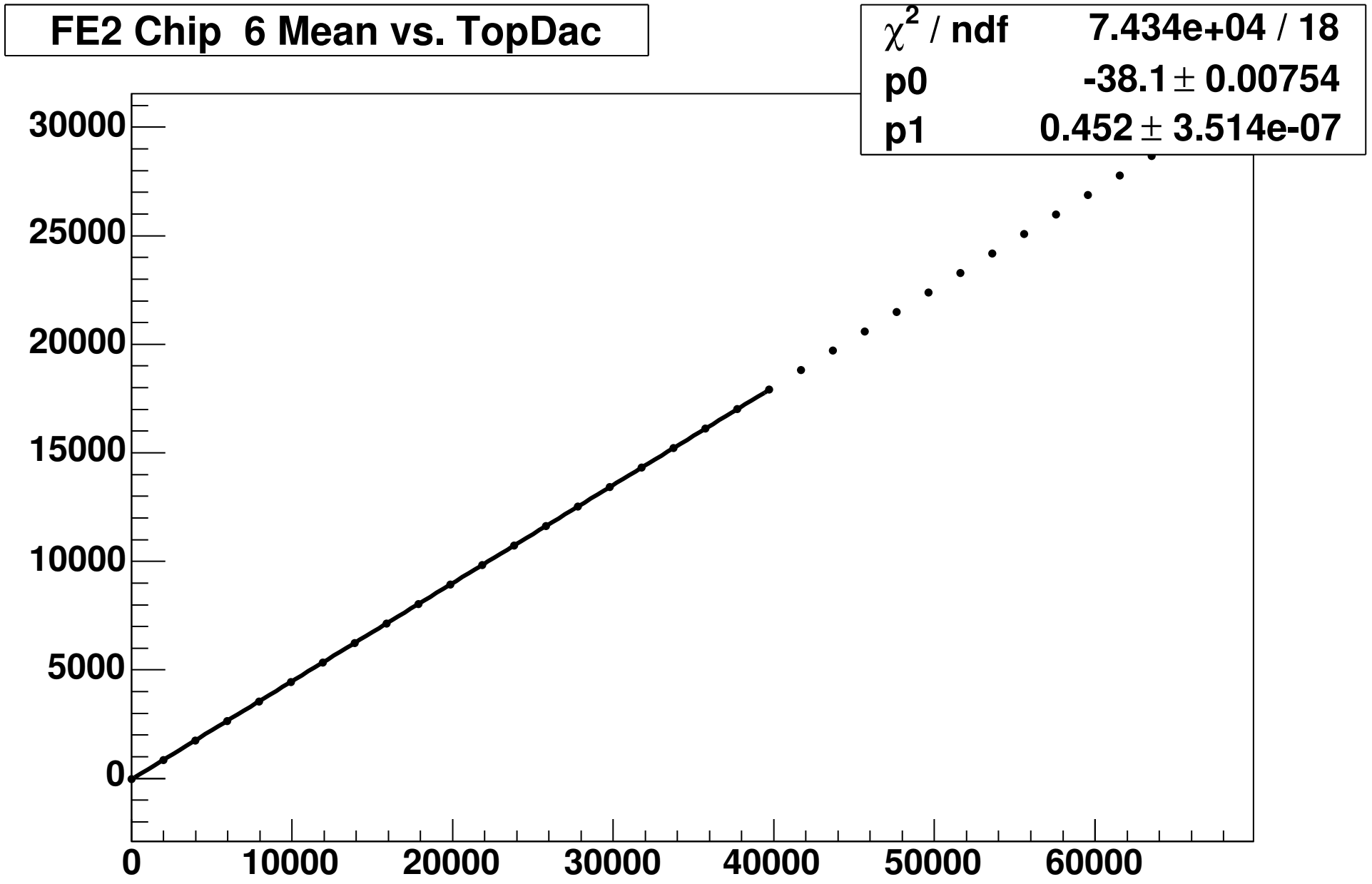
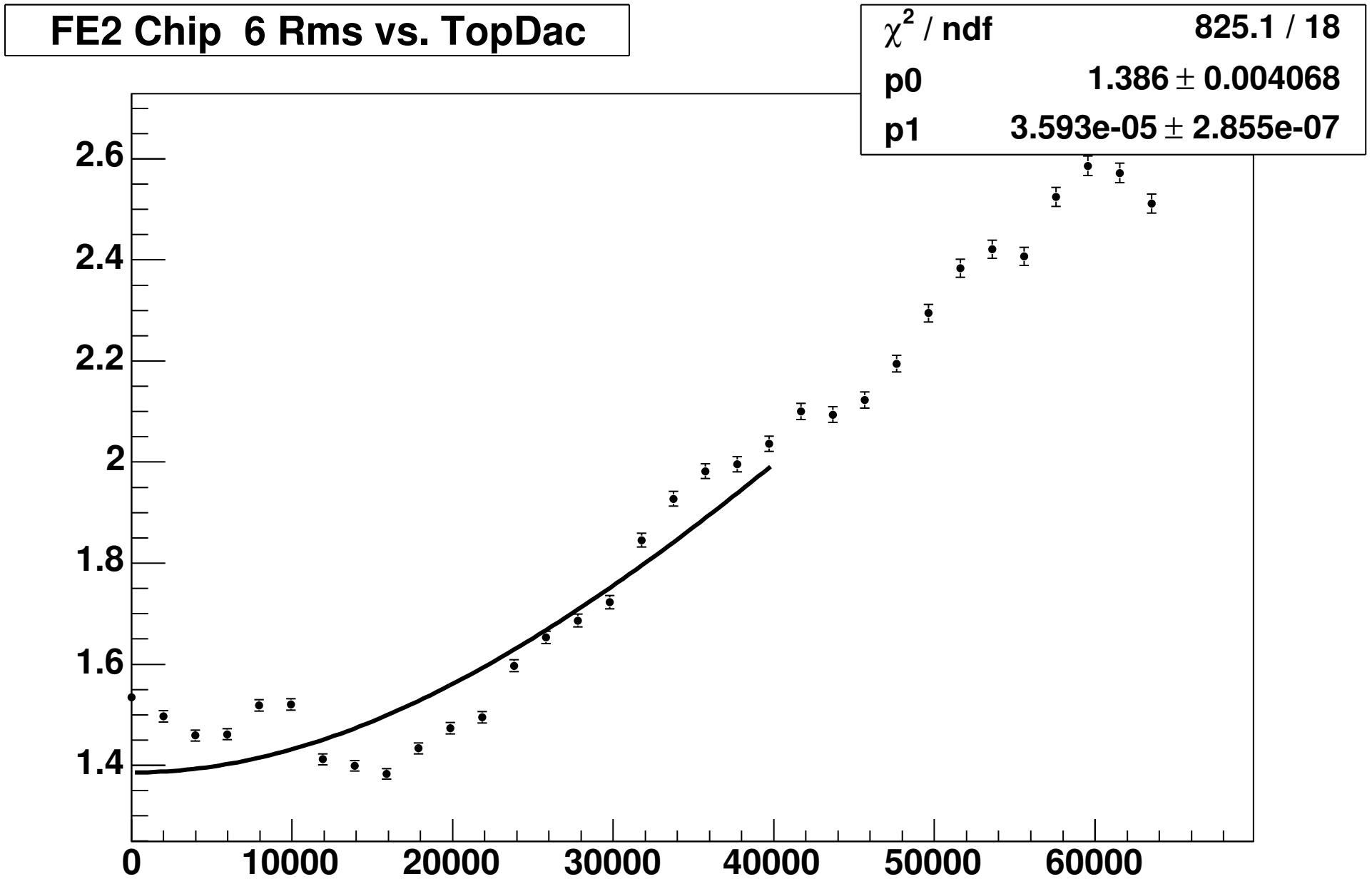
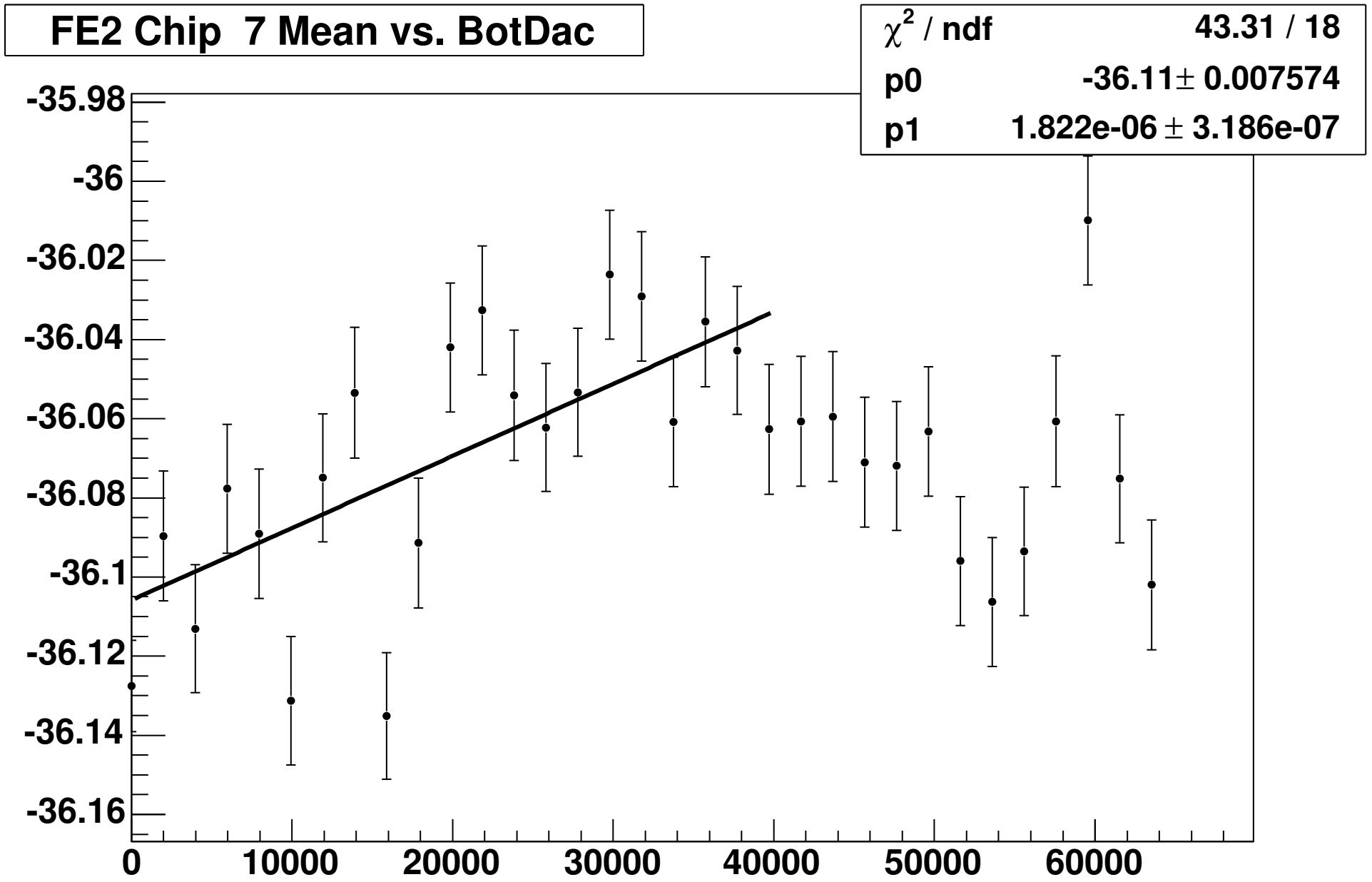
60000


FE2 Chip 6 Mean vs. TopDac
χ^2 / ndf 7.434e+04 / 18
p0 -38.1 ± 0.00754
p1 0.452 ± 3.514e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 825.1 / 18
p0 1.386 ± 0.004068
p1 3.593e-05 ± 2.855e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 43.31 / 18
p0 -36.11 ± 0.007574
p1 1.822e-06 ± 3.186e-07
-35.98
-36
-36.02
-36.04
-36.06
-36.08
-36.1
-36.12
-36.14
-36.16
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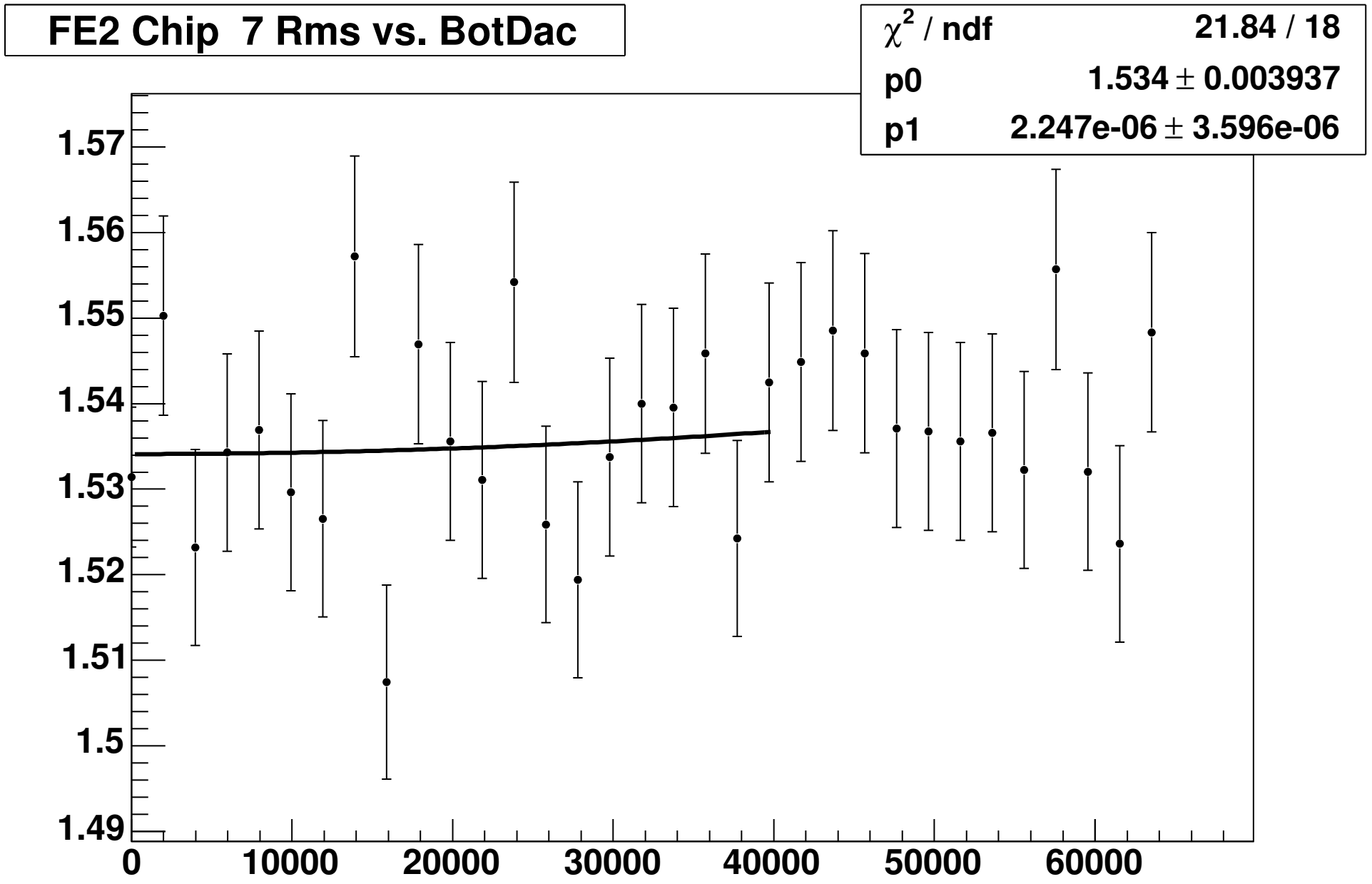
FE2 Chip 7 Rms vs. BotDac
χ² / ndf 21.84 / 18
p0 1.534 ± 0.003937
p1 2.247e-06 ± 3.596e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
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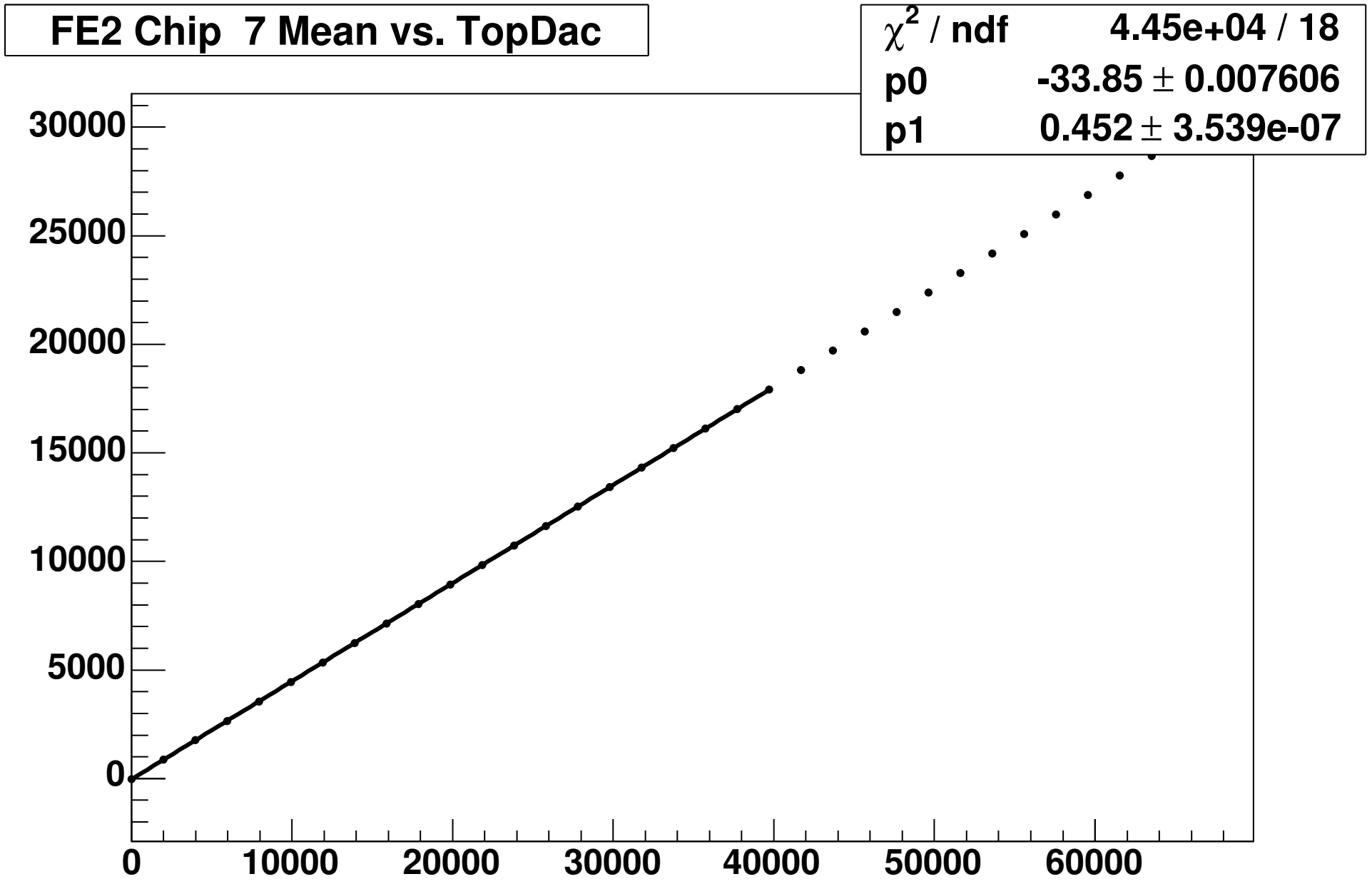
FE2 Chip 7 Mean vs. TopDac
χ² / ndf 4.45e+04 / 18
p0 -33.85 ± 0.007606
p1 0.452 ± 3.539e-07
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25000
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5000
0
0
10000
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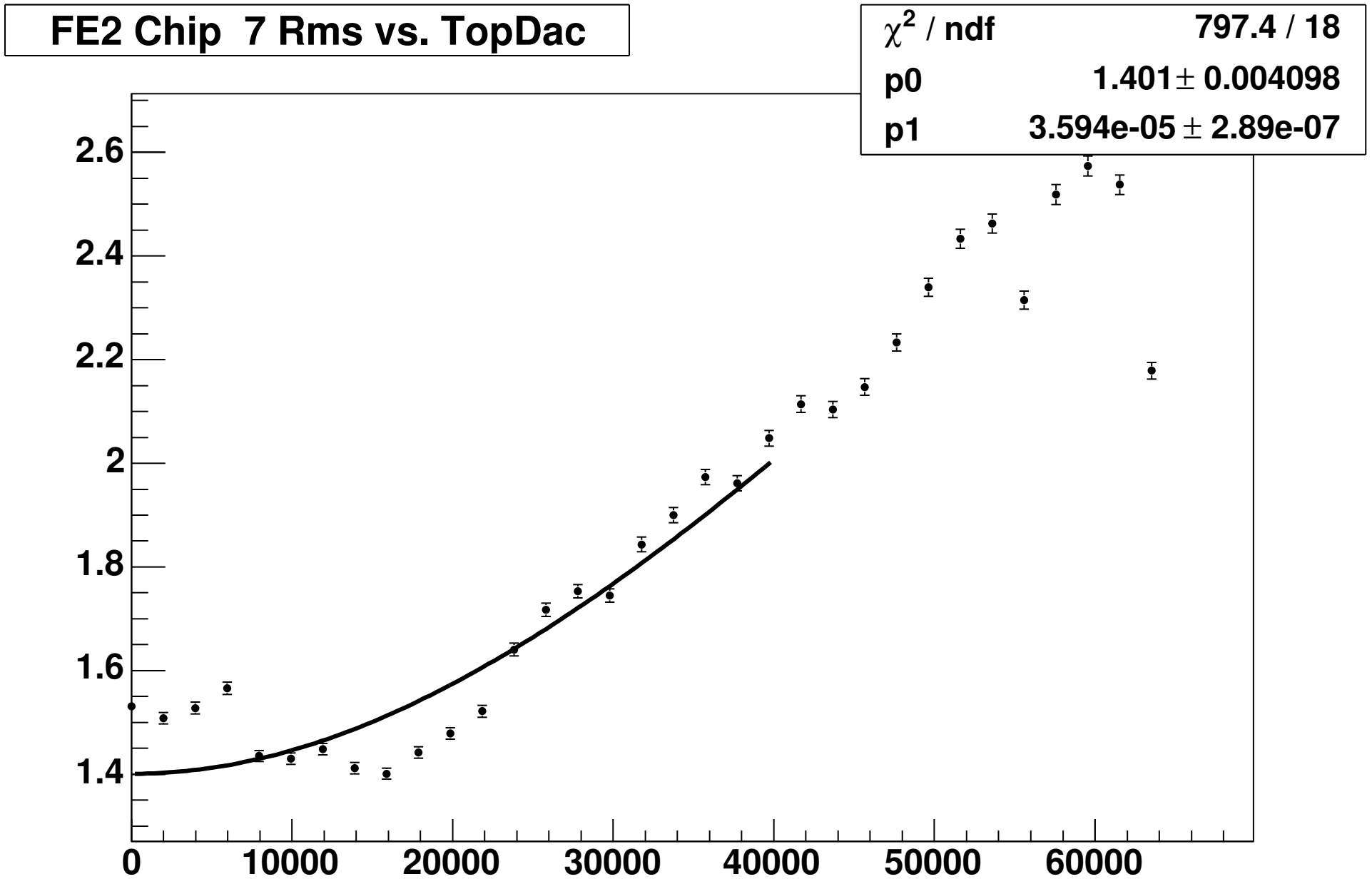
60000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 797.4 / 18
p0 1.401 ± 0.004098
p1 3.594e-05 ± 2.89e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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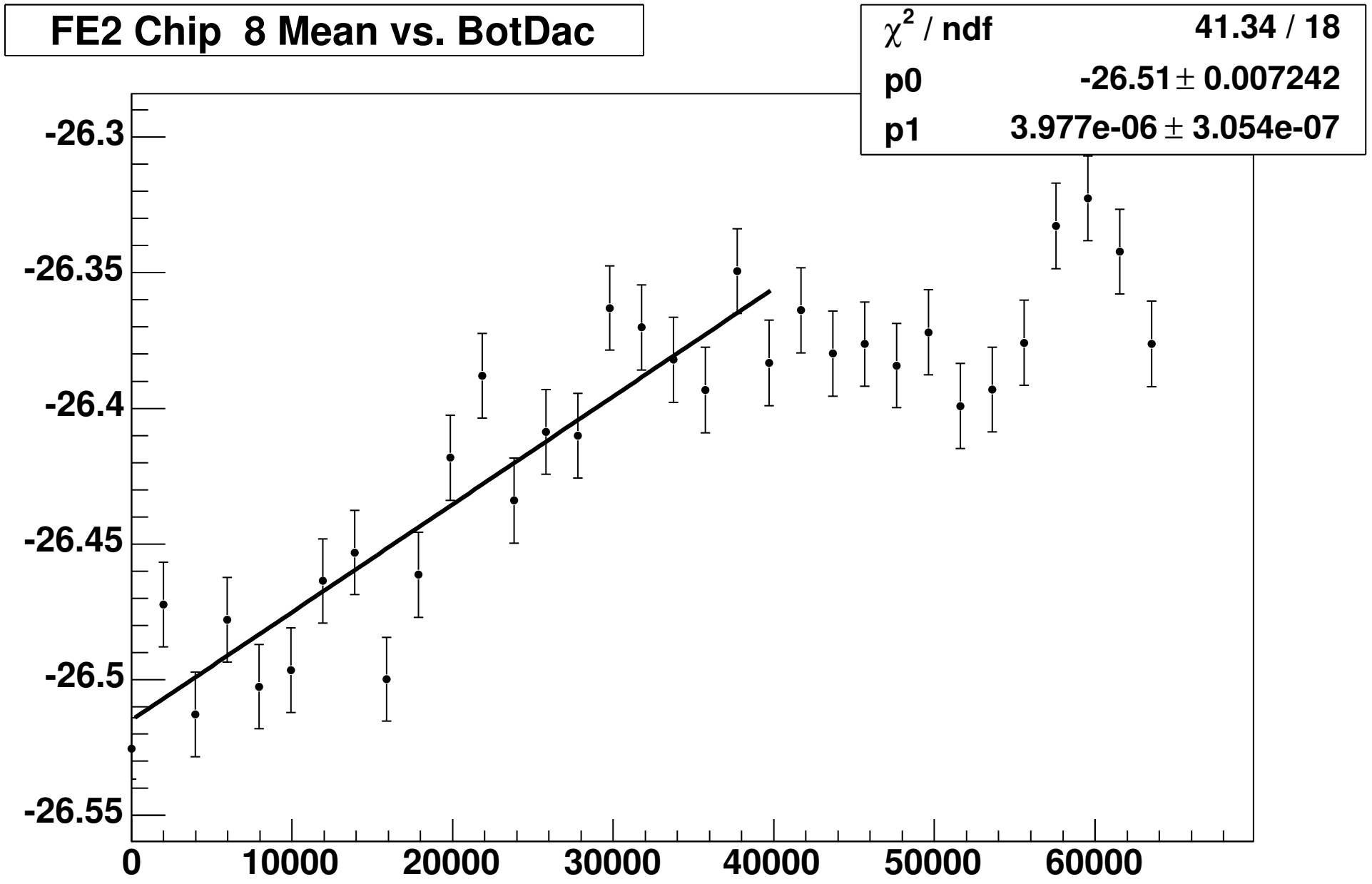
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 41.34 / 18
p0 -26.51 ± 0.007242
p1 3.977e-06 ± 3.054e-07
-26.3
-26.35
-26.4
-26.45
-26.5
-26.55
0
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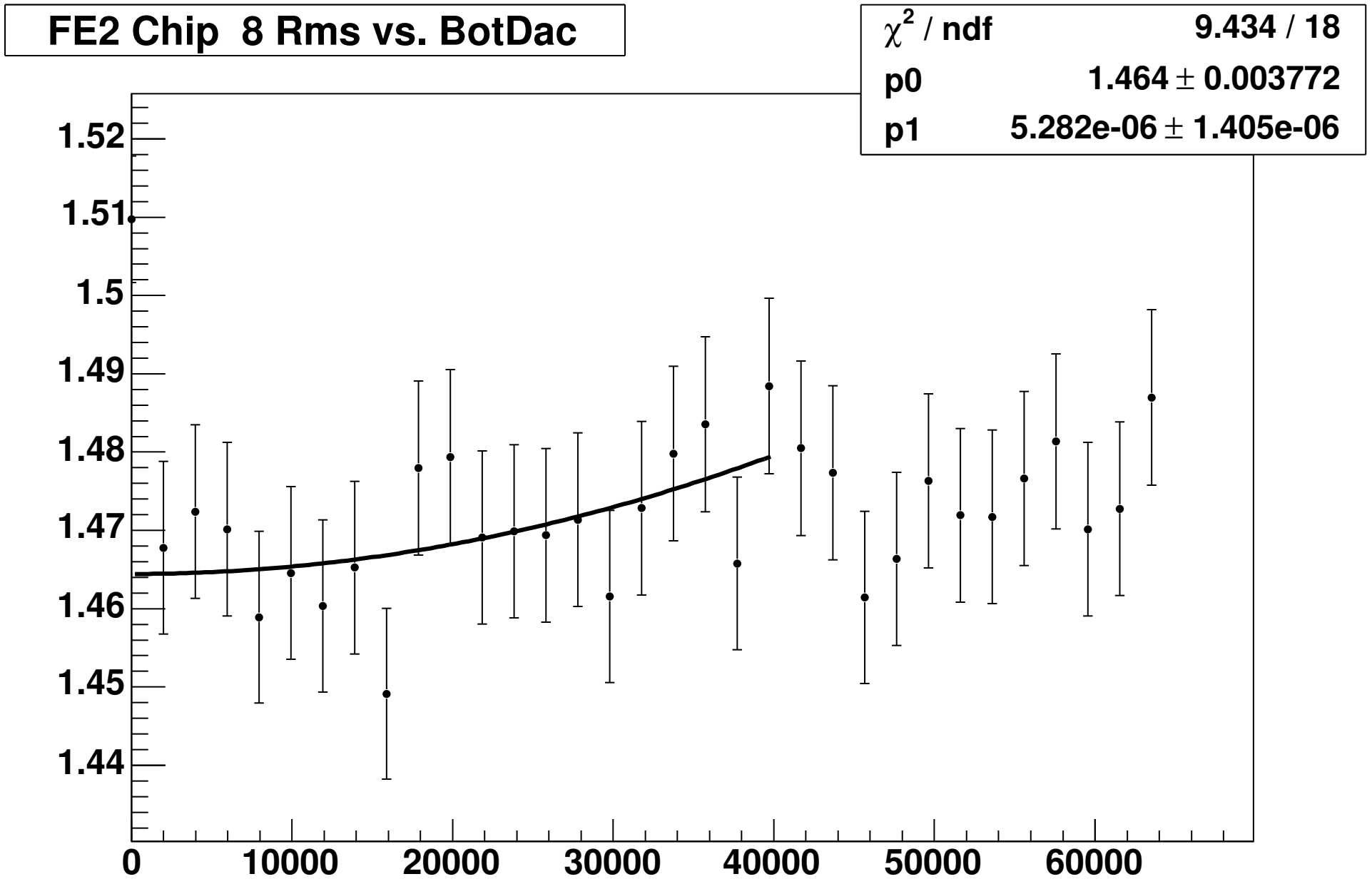
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 9.434 / 18
p0 1.464 ± 0.003772
p1 5.282e-06 ± 1.405e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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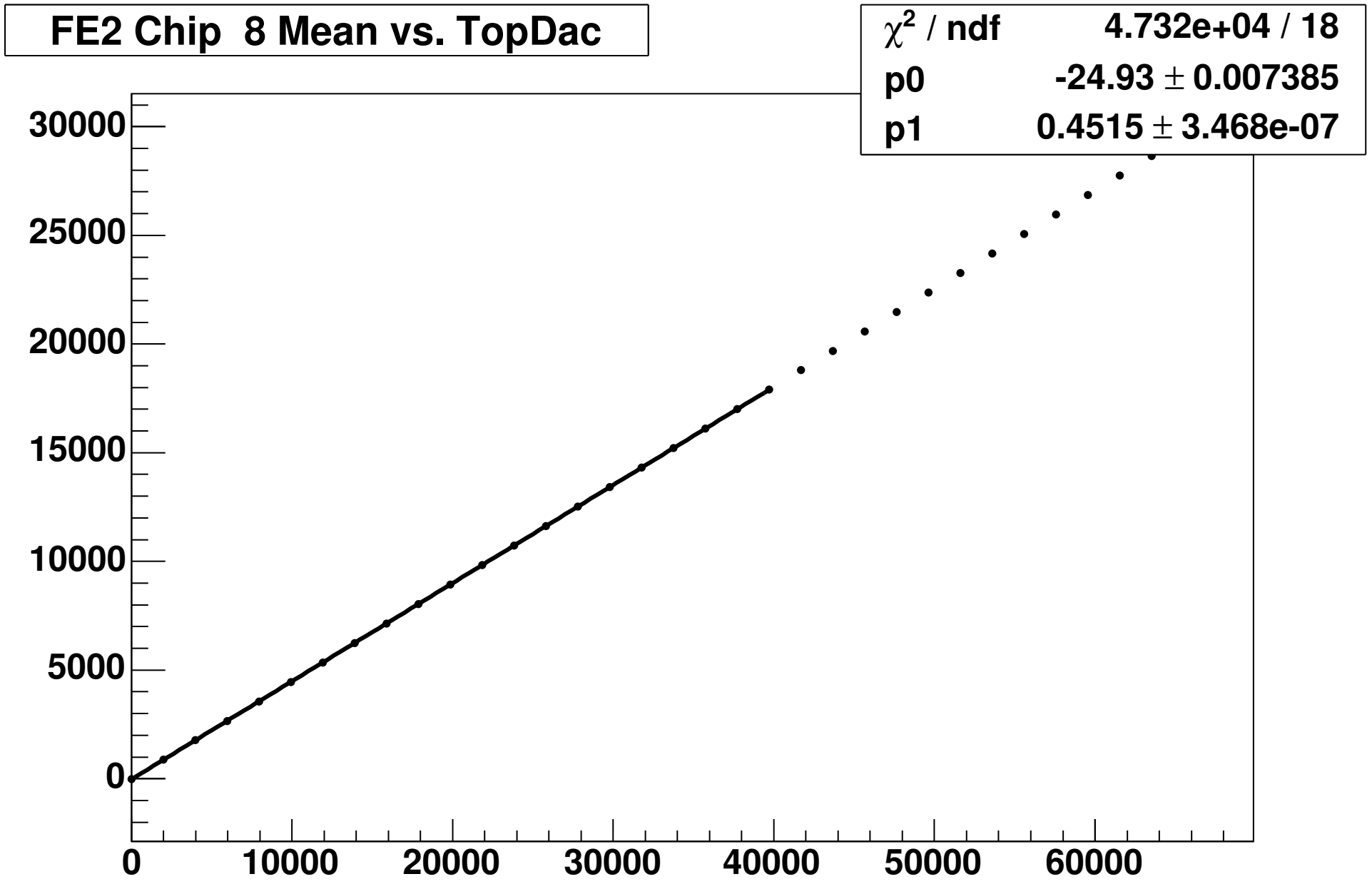
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 4.732e+04 / 18
p0 -24.93 ± 0.007385
p1 0.4515 ± 3.468e-07
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20000
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10000
5000
0
0
10000
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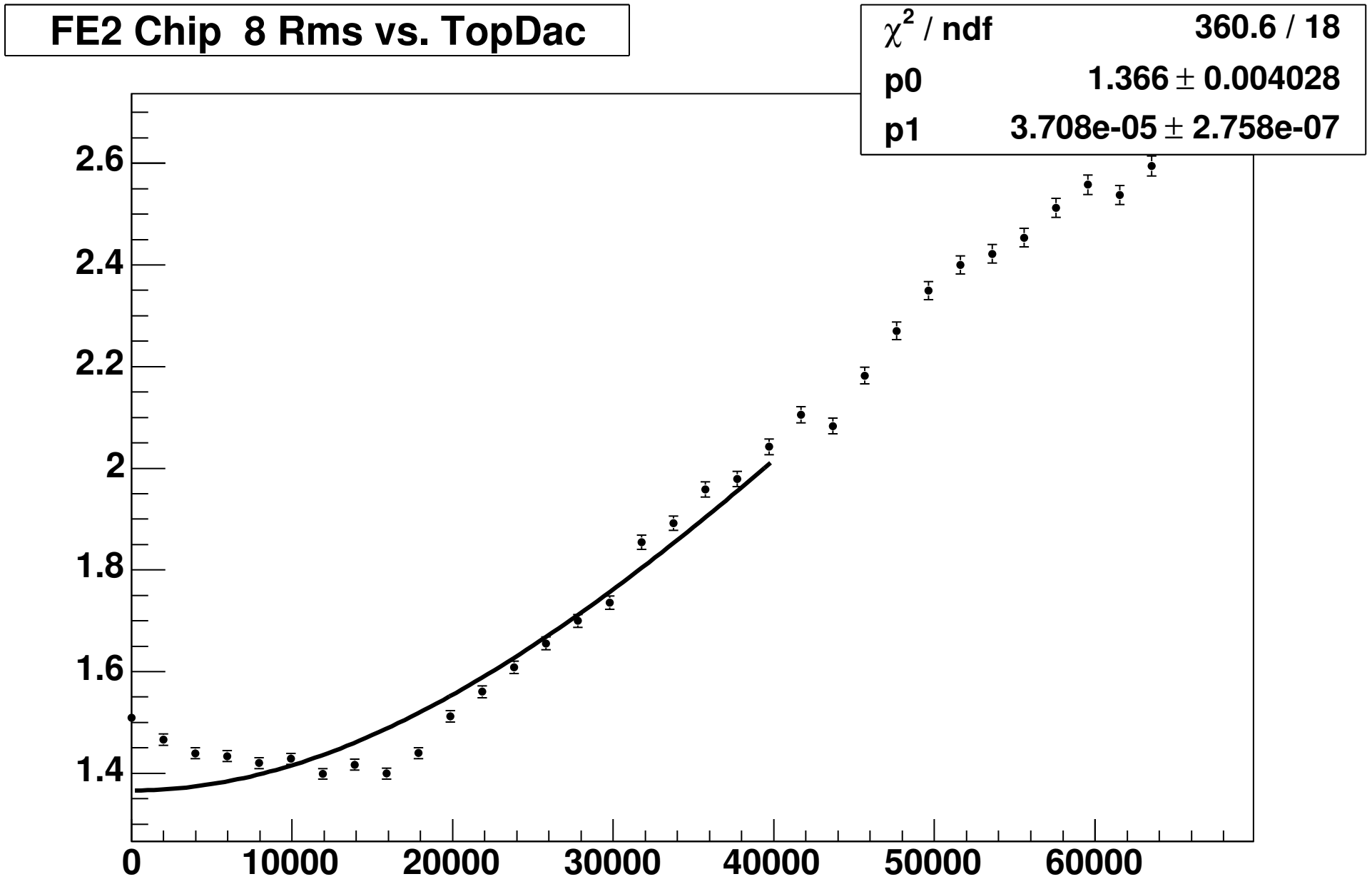
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 360.6 / 18
p0 1.366 ± 0.004028
p1 3.708e-05 ± 2.758e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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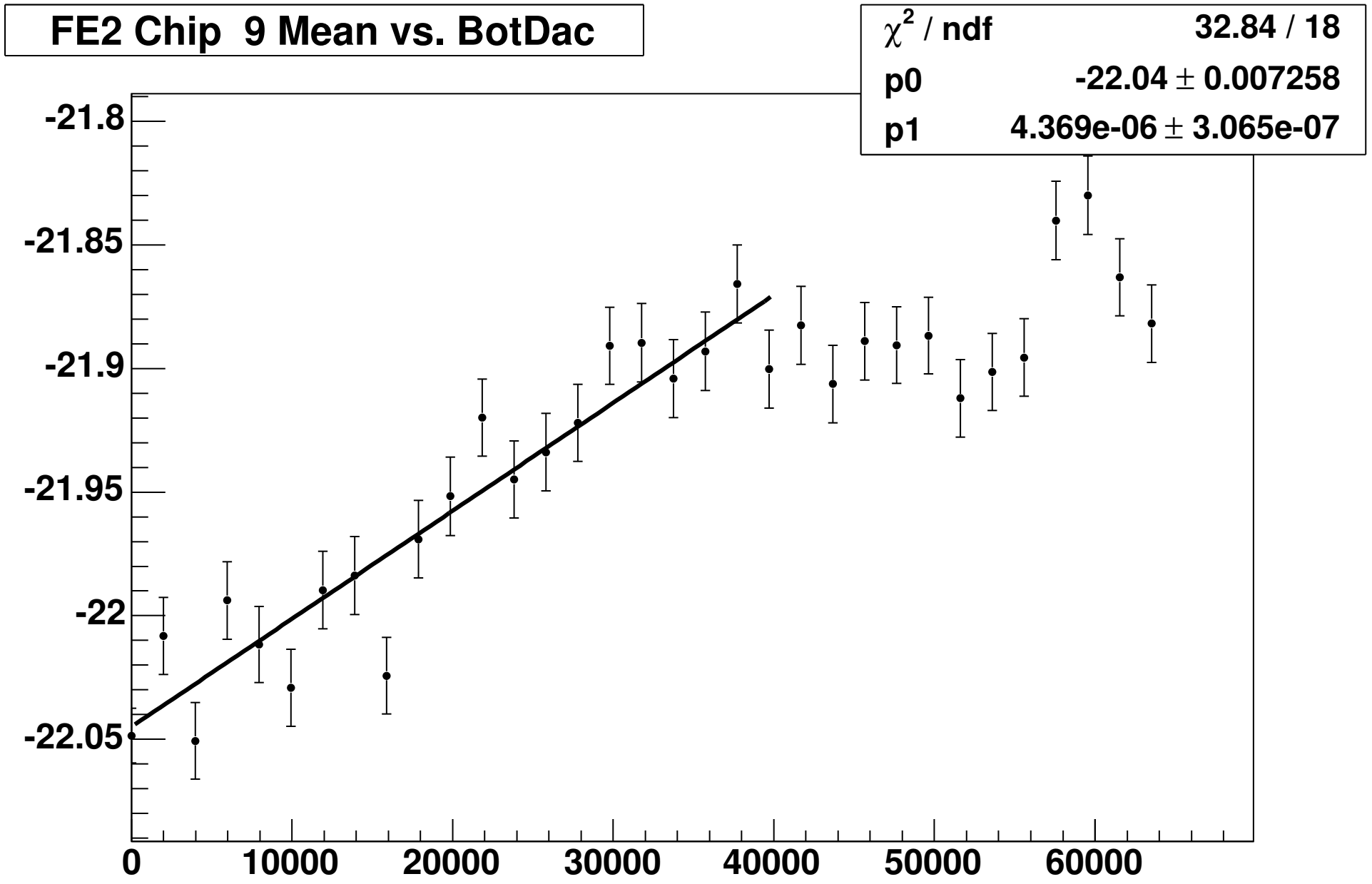
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 32.84 / 18
p0 -22.04 ± 0.007258
p1 4.369e-06 ± 3.065e-07
-21.8
-21.85
-21.9
-21.95
-22
-22.05
0
10000
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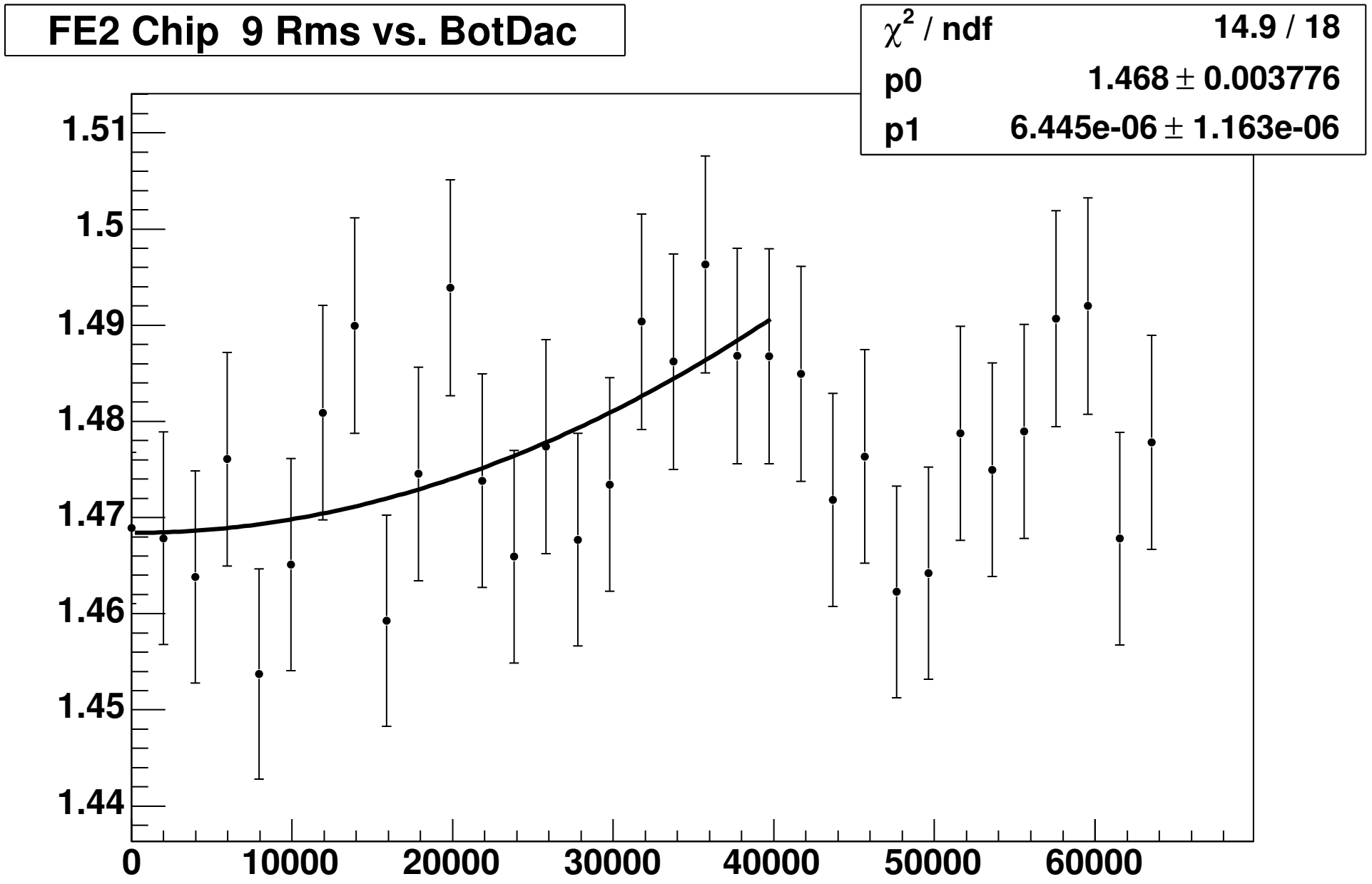
30000
40000
50000
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 14.9 / 18
p0 1.468 ± 0.003776
p1 6.445e-06 ± 1.163e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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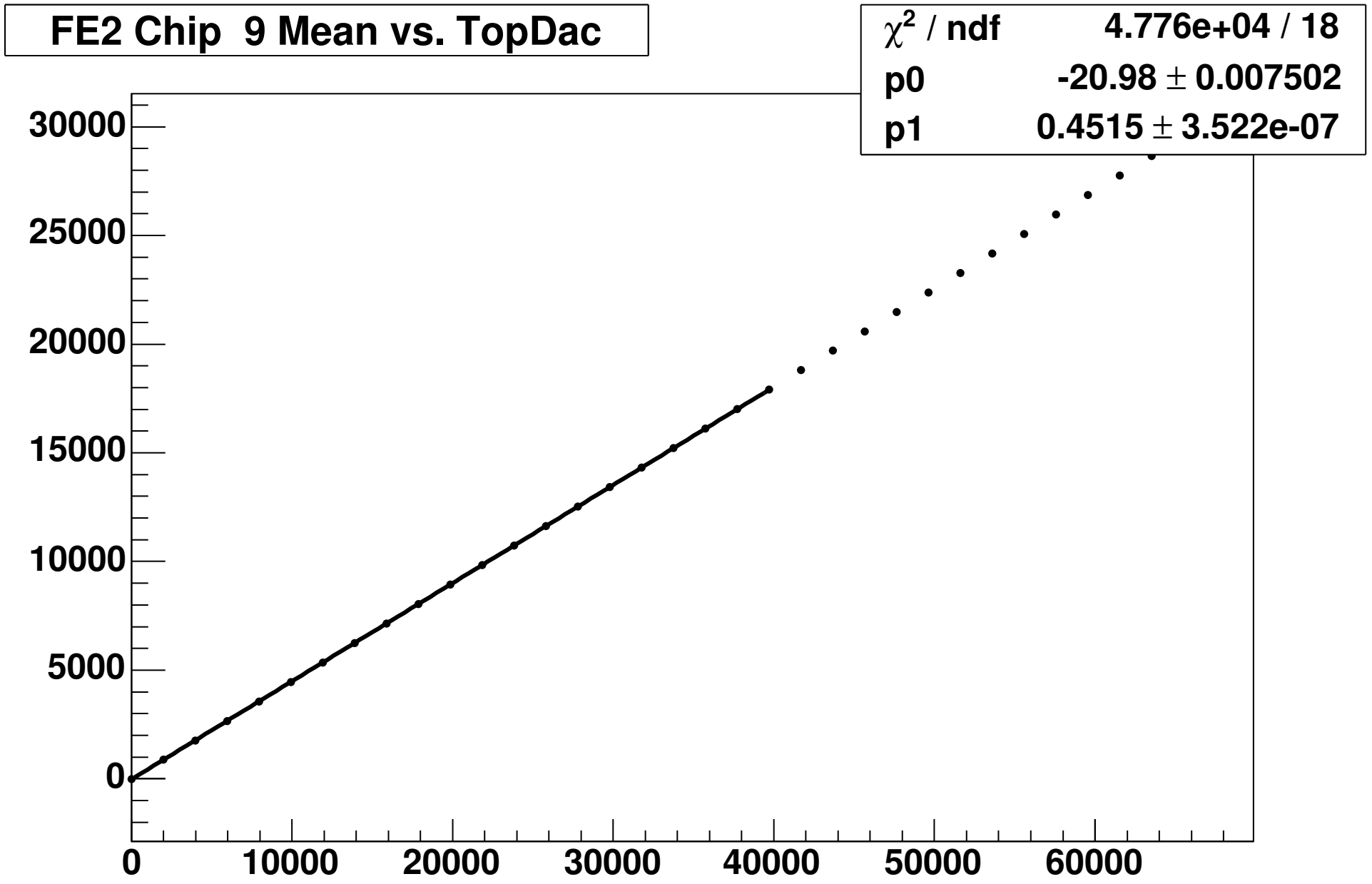
40000
50000
60000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 4.776e+04 / 18
p0 -20.98 ± 0.007502
p1 0.4515 ± 3.522e-07
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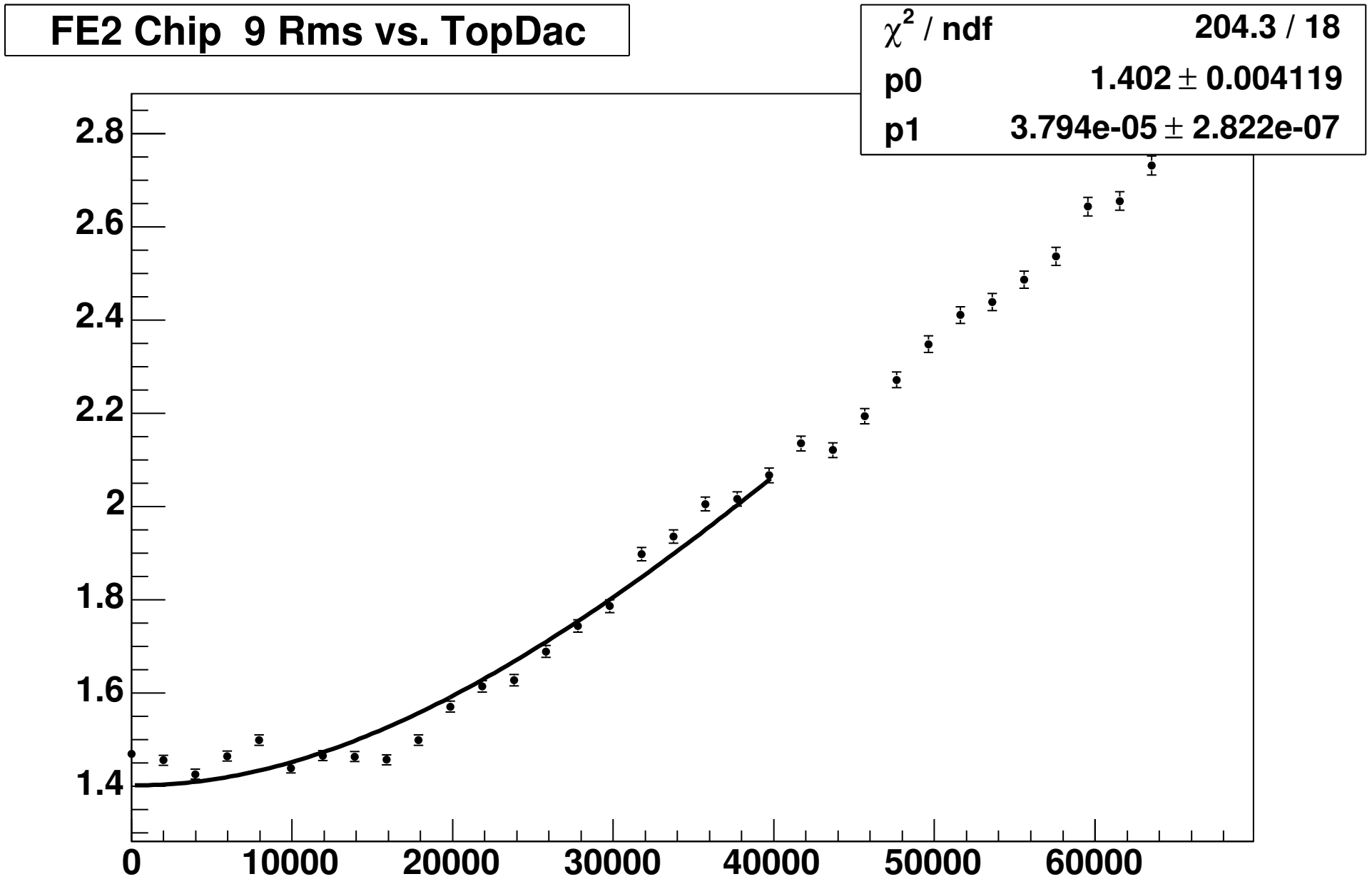
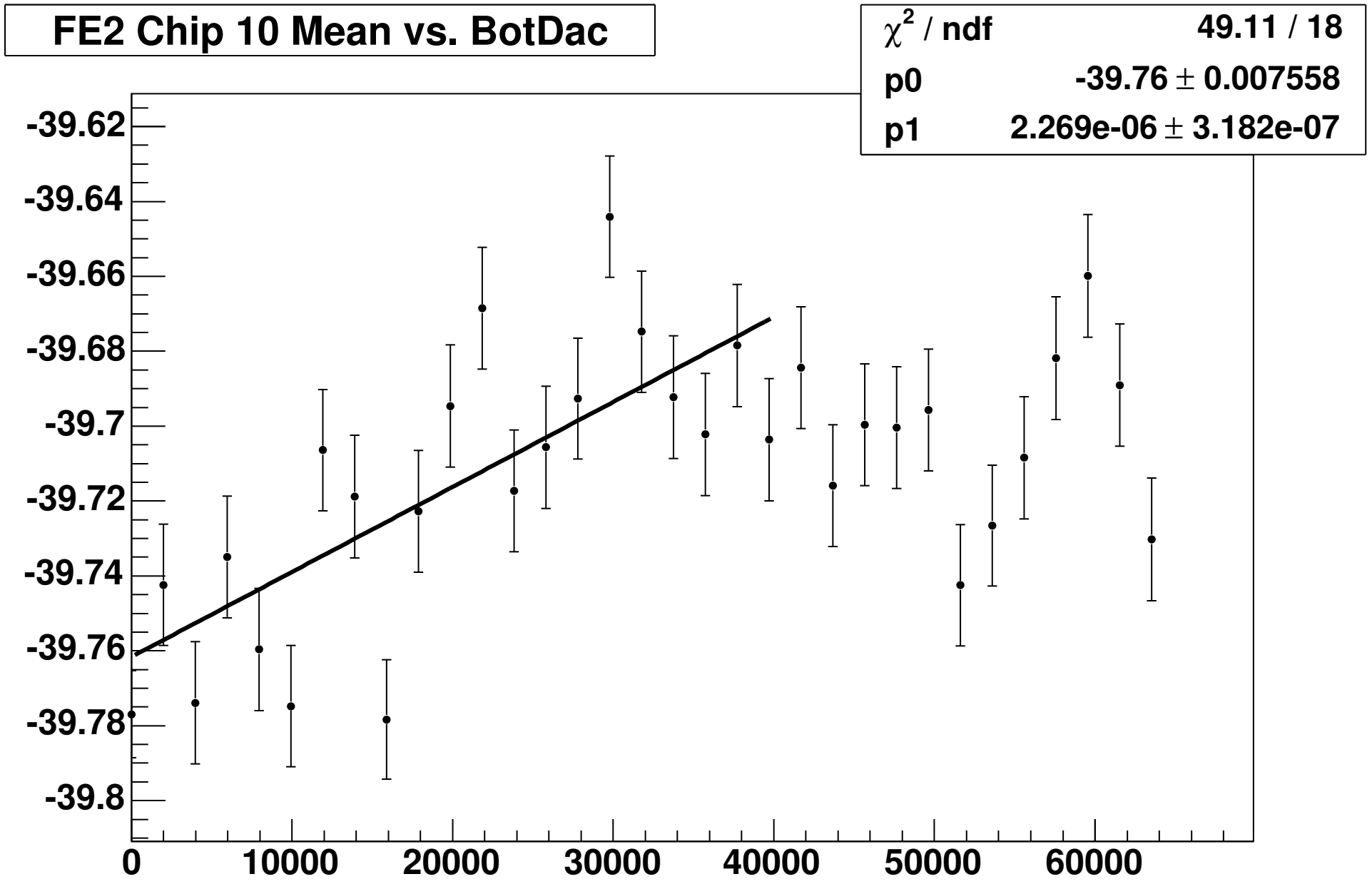
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 204.3 / 18
p0 1.402 ± 0.004119
p1 3.794e-05 ± 2.822e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 49.11 / 18
p0 -39.76 ± 0.007558
p1 2.269e-06 ± 3.182e-07
-39.62
-39.64
-39.66
-39.68
-39.7
-39.72
-39.74
-39.76
-39.78
-39.8
0
10000
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30000
40000
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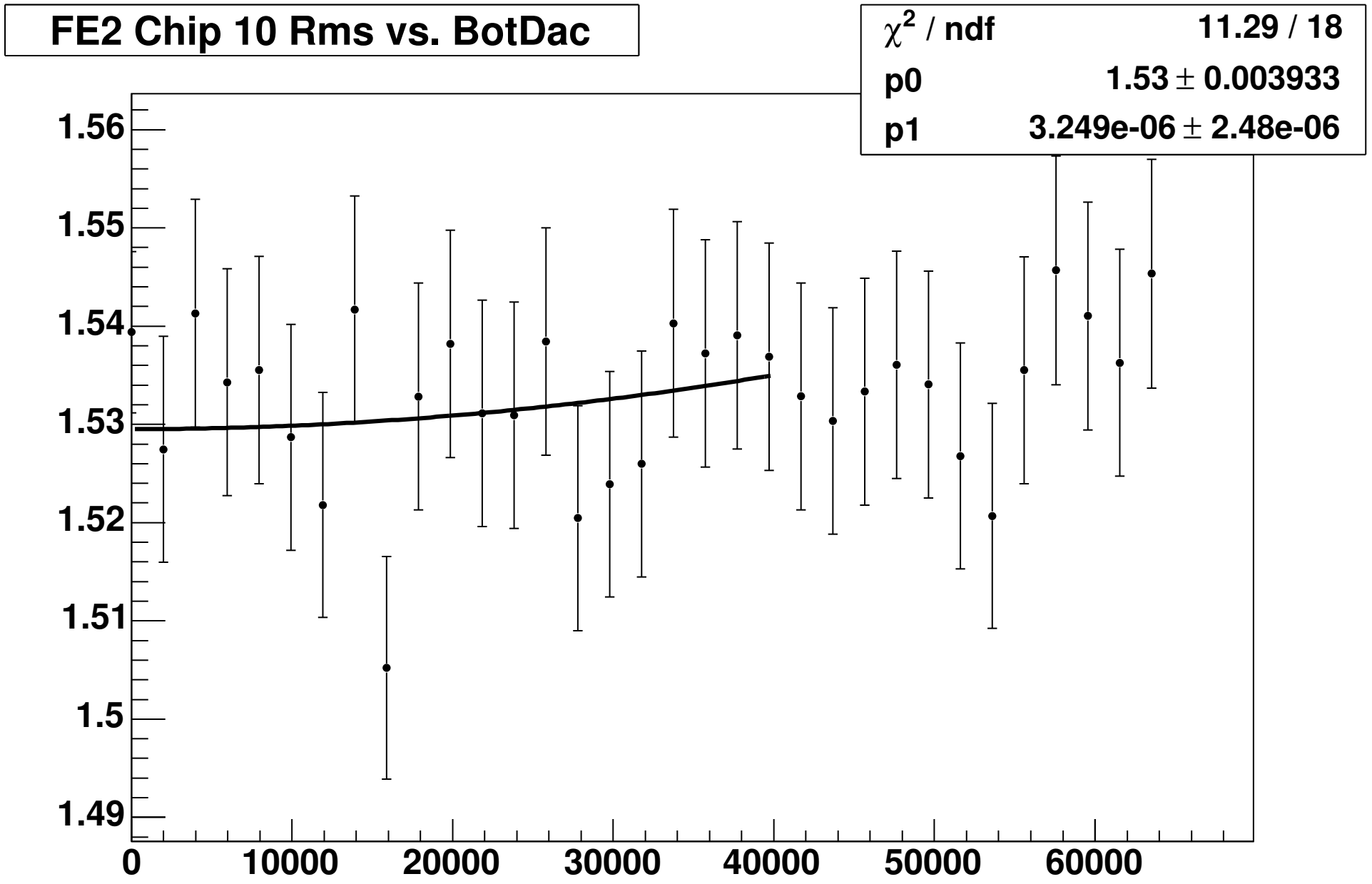
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 11.29 / 18
p0 1.53 ± 0.003933
p1 3.249e-06 ± 2.48e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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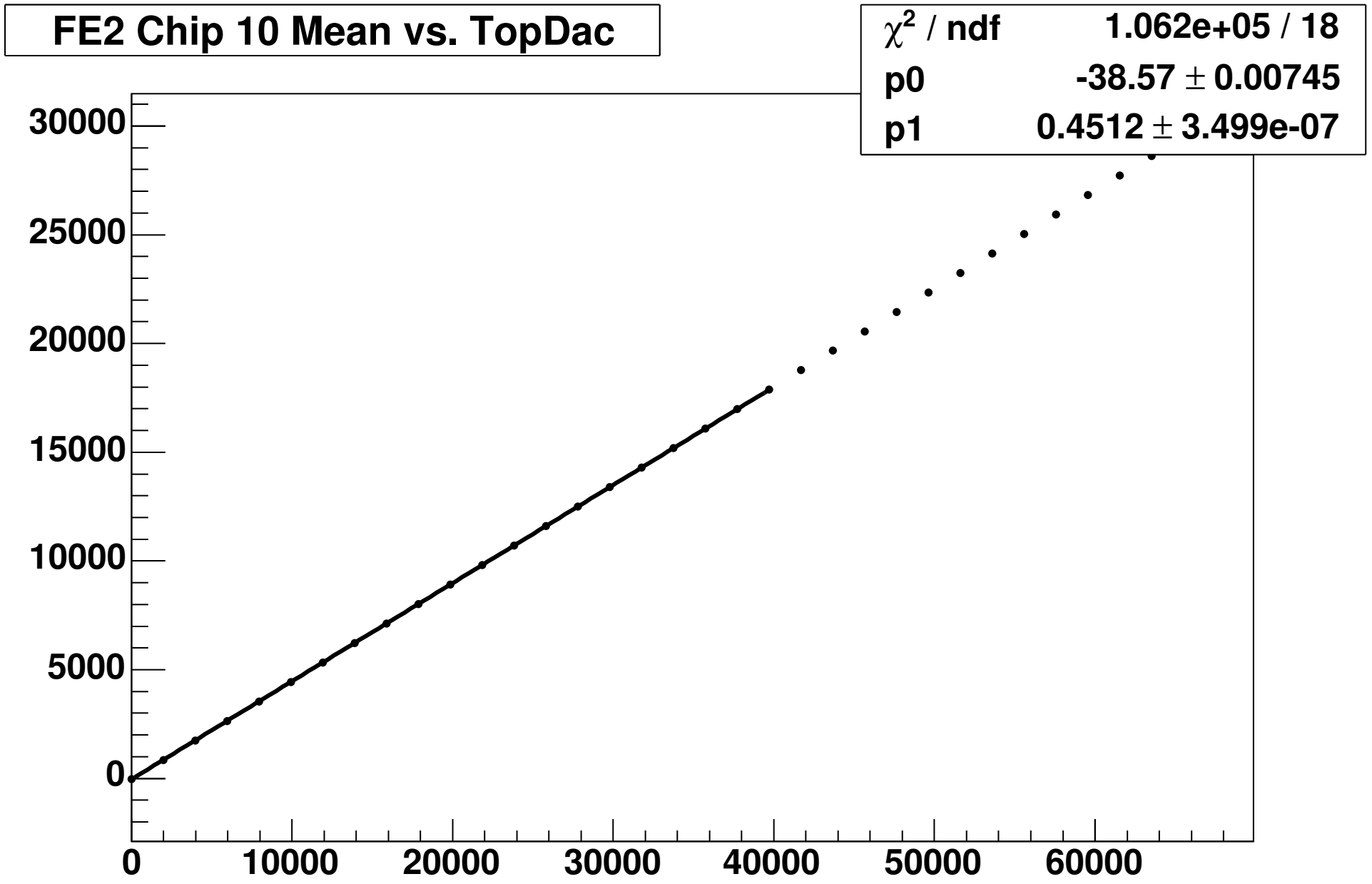
30000
40000
50000
60000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.062e+05 / 18
p0 -38.57 ± 0.00745
p1 0.4512 ± 3.499e-07
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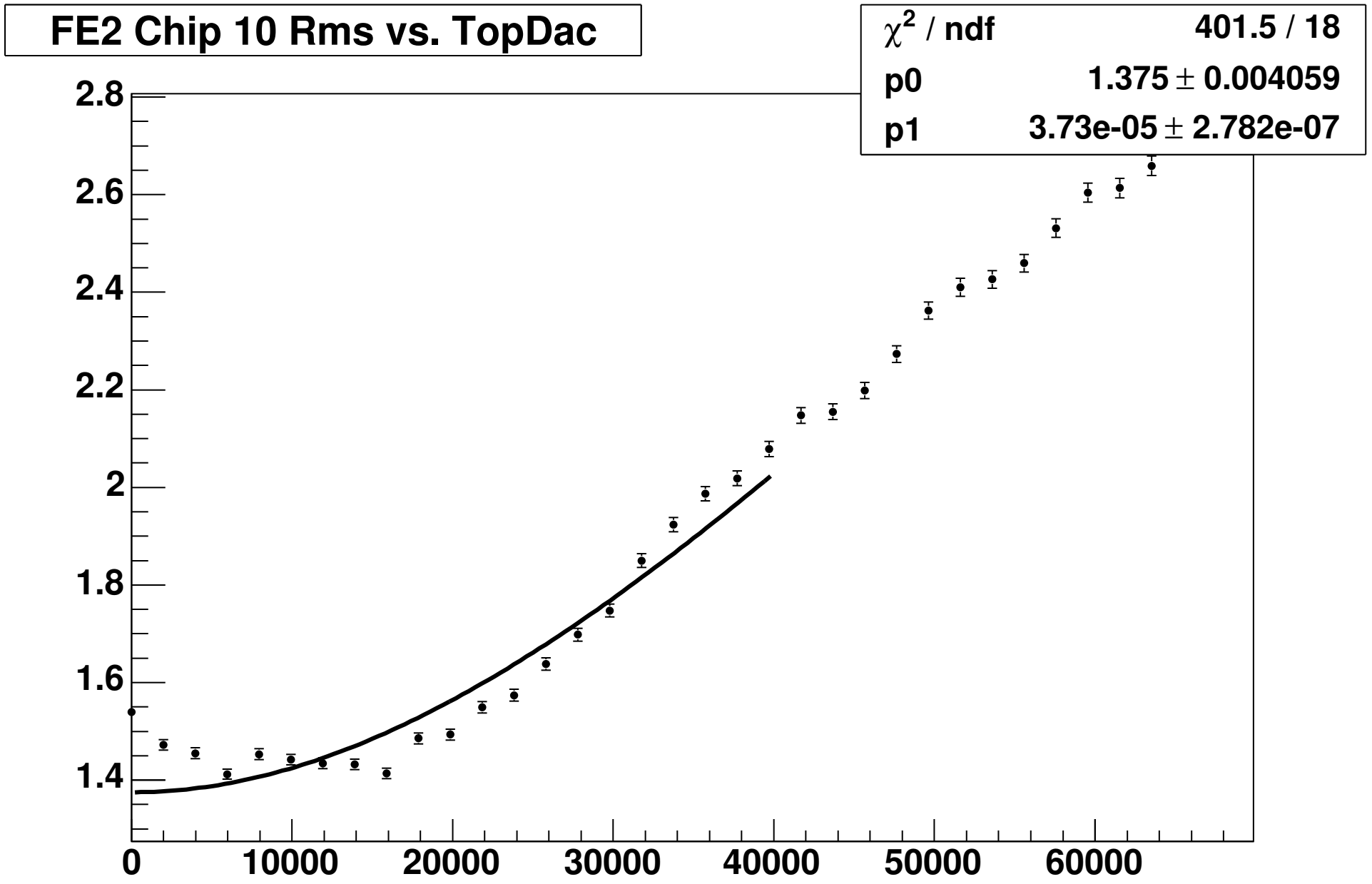
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 401.5 / 18
p0 1.375 ± 0.004059
p1 3.73e-05 ± 2.782e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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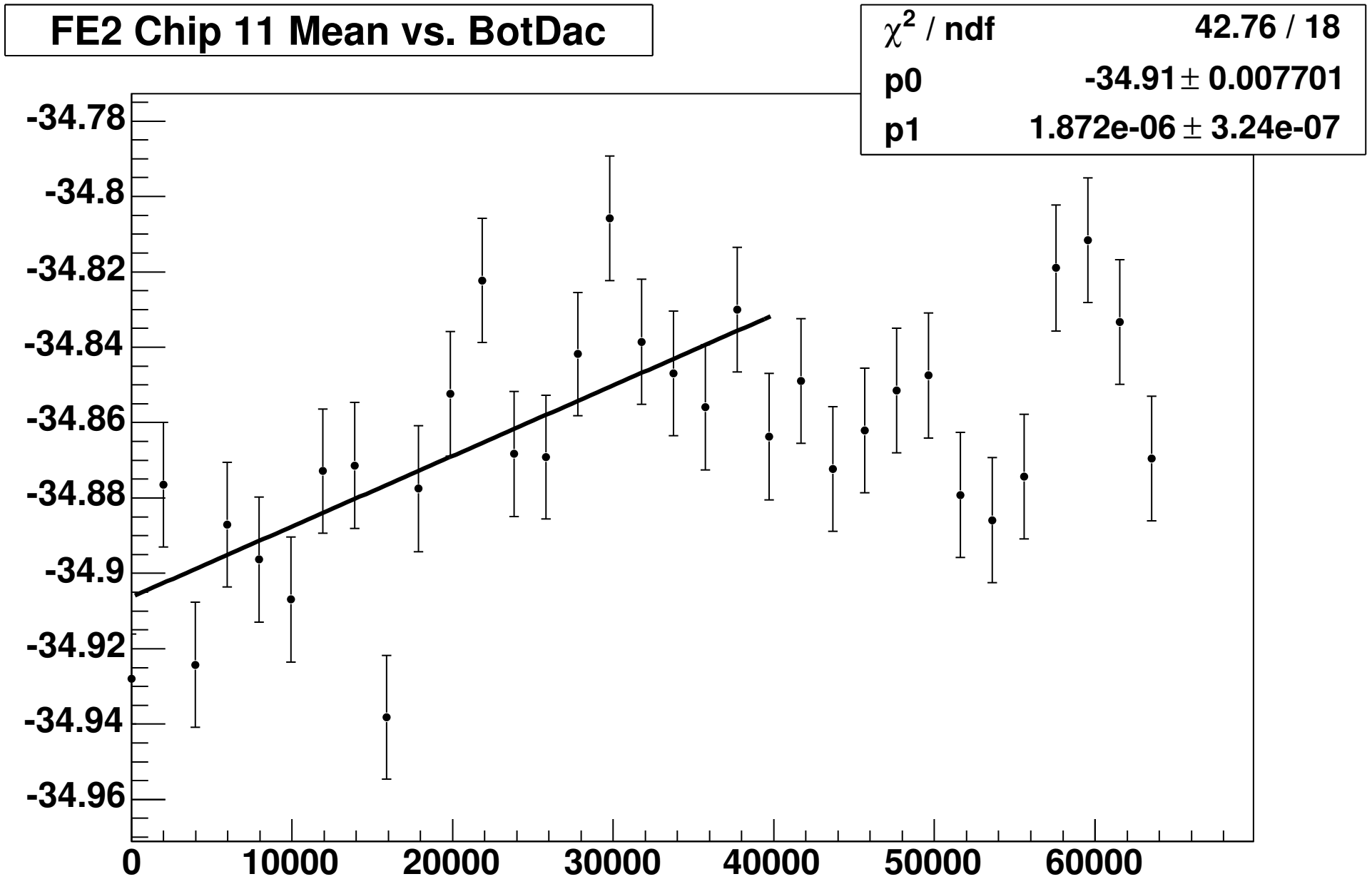
30000
40000
50000
60000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 42.76 / 18
p0 -34.91 ± 0.007701
p1 1.872e-06 ± 3.24e-07
-34.78
-34.8
-34.82
-34.84
-34.86
-34.88
-34.9
-34.92
-34.94
-34.96
0
10000
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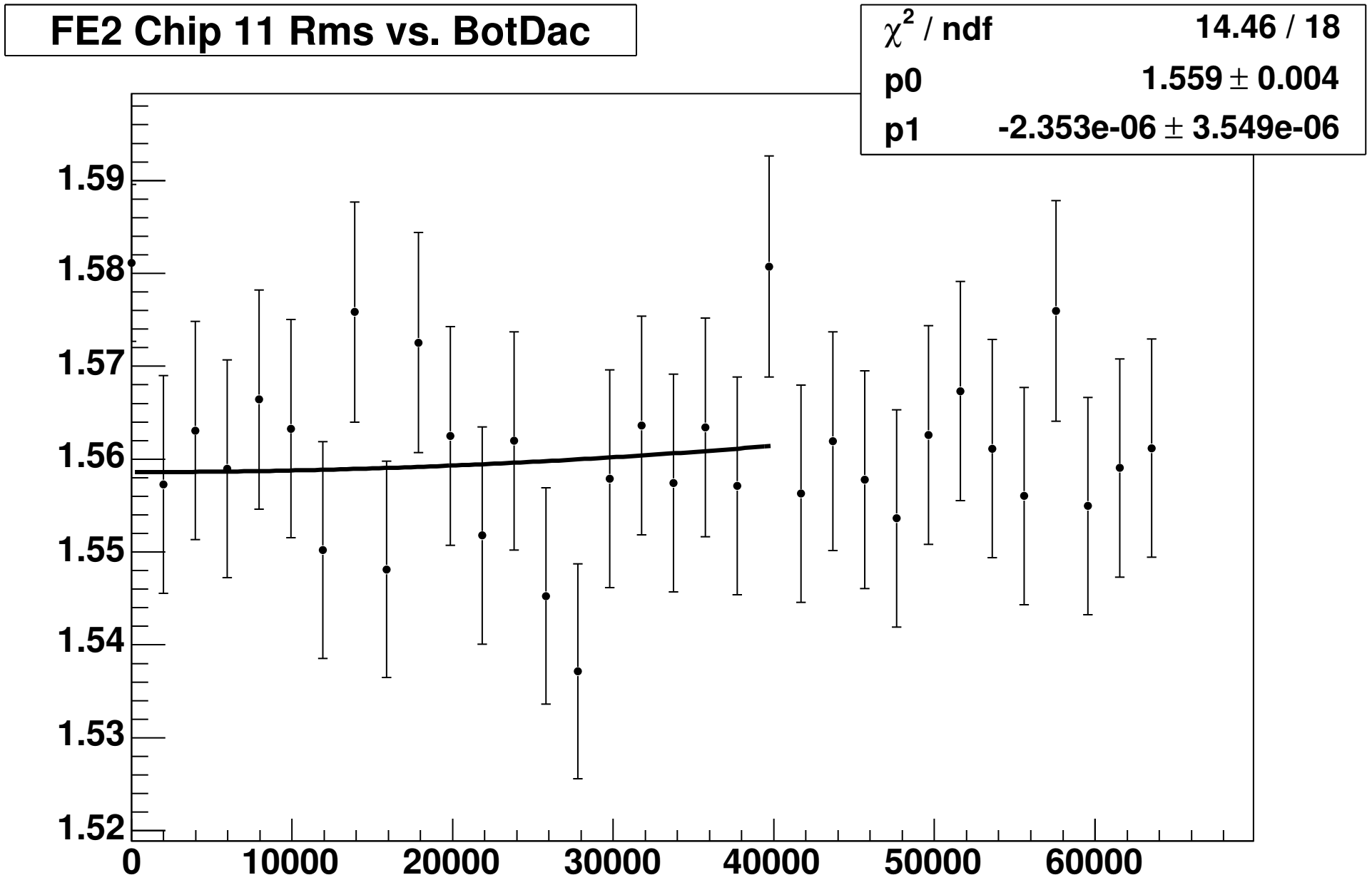
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 14.46 / 18
p0 1.559 ± 0.004
p1 -2.353e-06 ± 3.549e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
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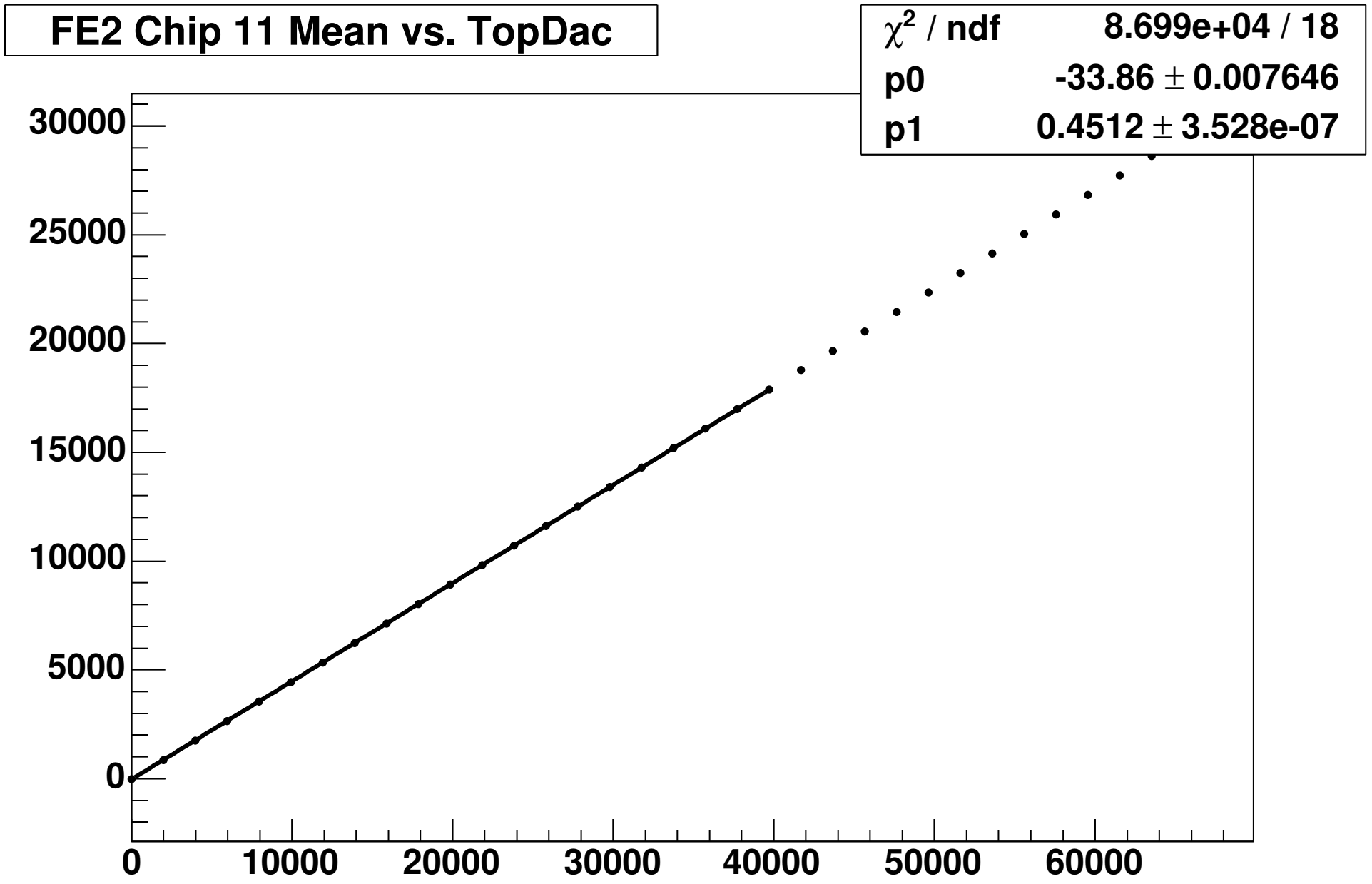
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 8.699e+04 / 18
p0 -33.86 ± 0.007646
p1 0.4512 ± 3.528e-07
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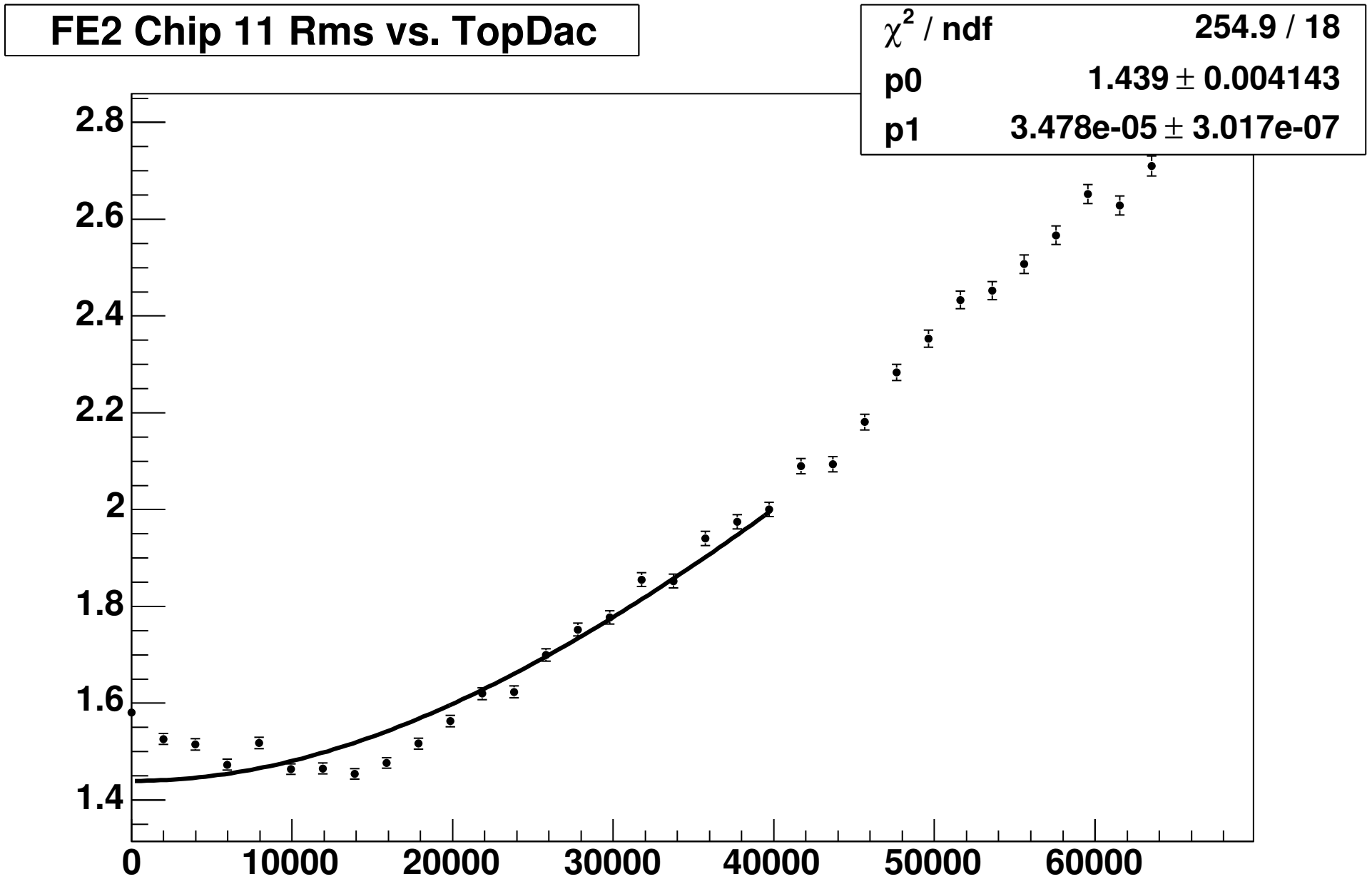
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 254.9 / 18
p0 1.439 ± 0.004143
p1 3.478e-05 ± 3.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
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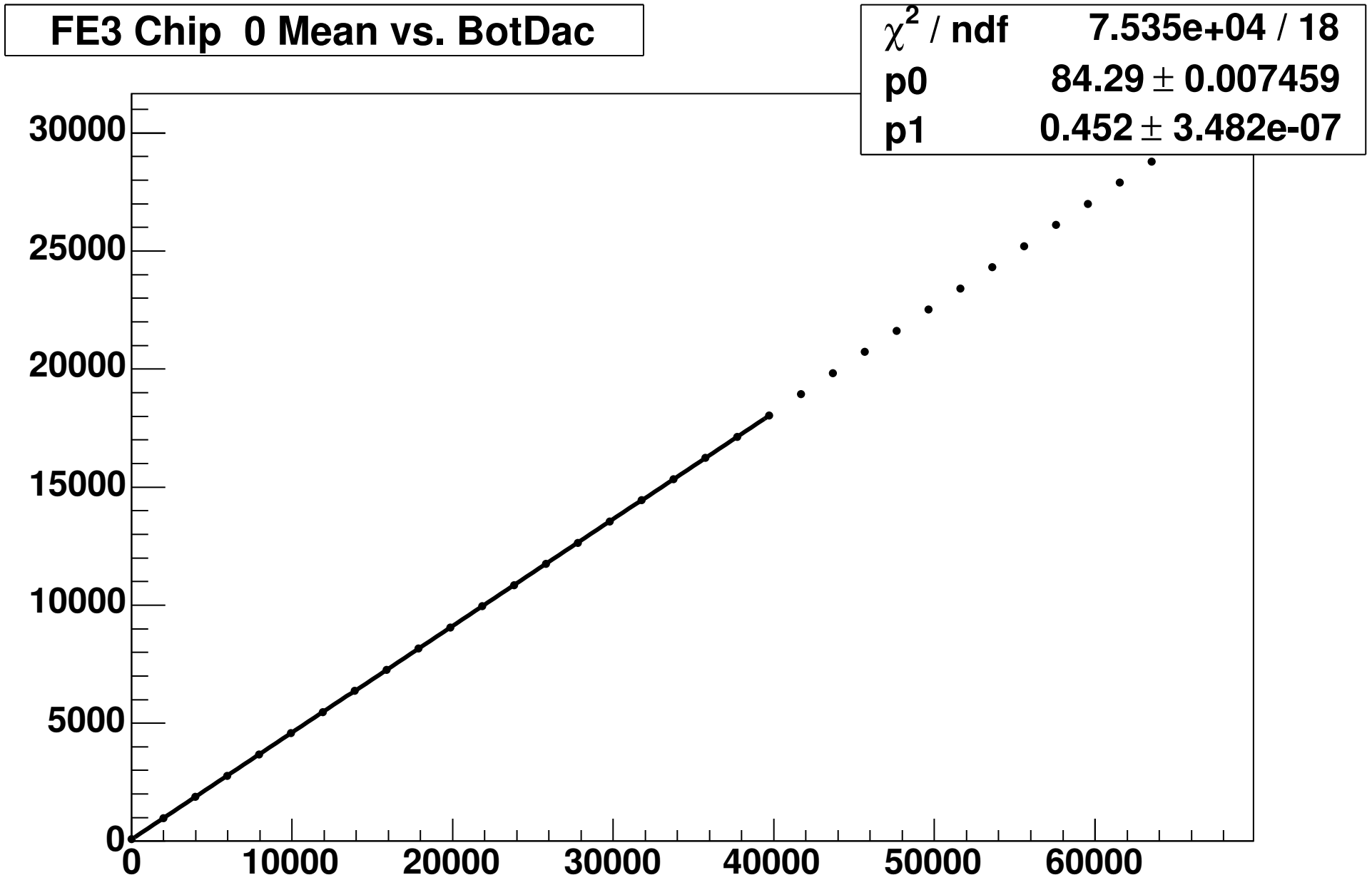
FE3 Chip 0 Mean vs. BotDac
χ^2 / ndf 7.535e+04 / 18
p0 84.29 ± 0.007459
p1 0.452 ± 3.482e-07
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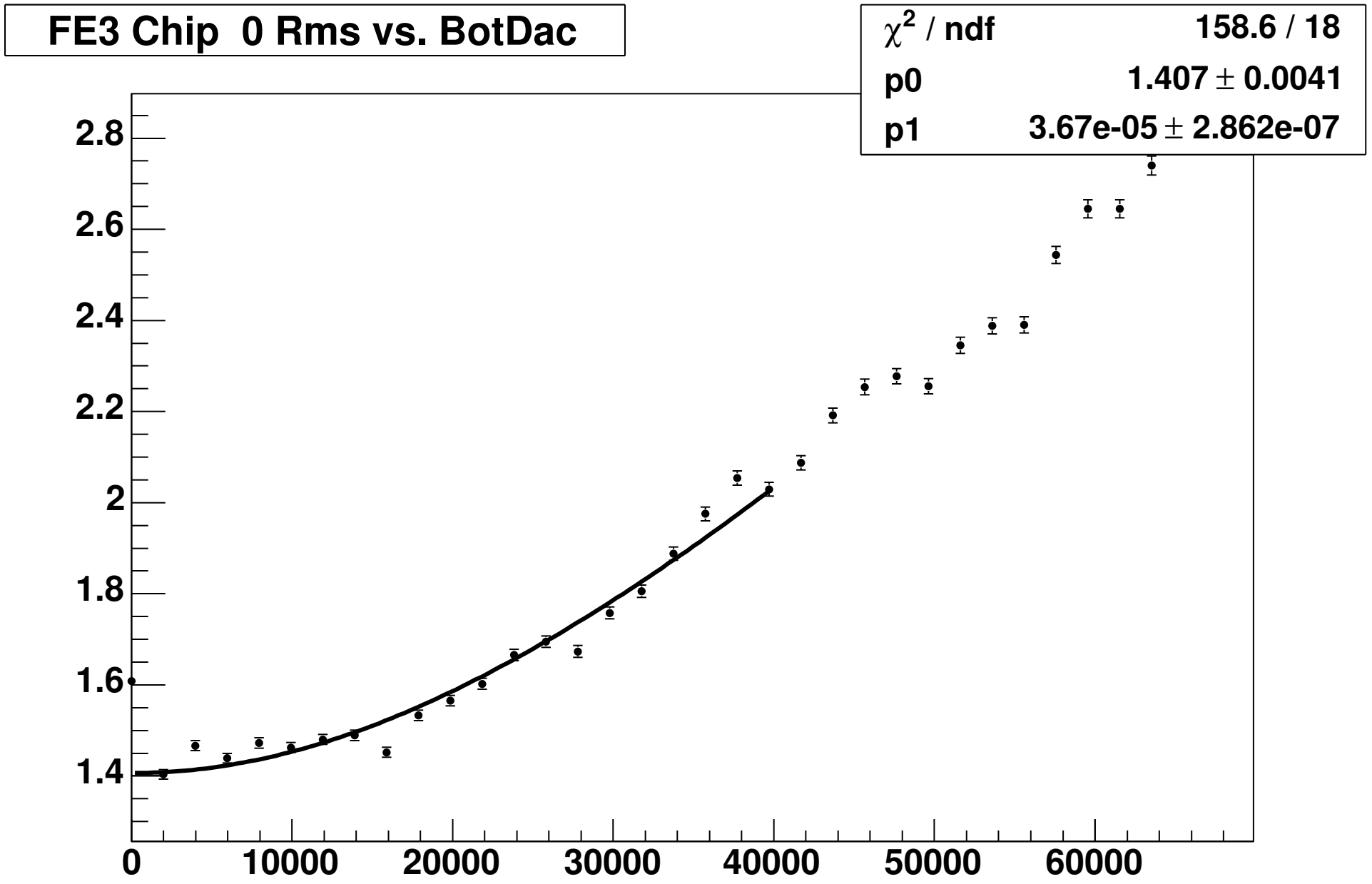
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 158.6 / 18
p0 1.407 ± 0.0041
p1 3.67e-05 ± 2.862e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
50000
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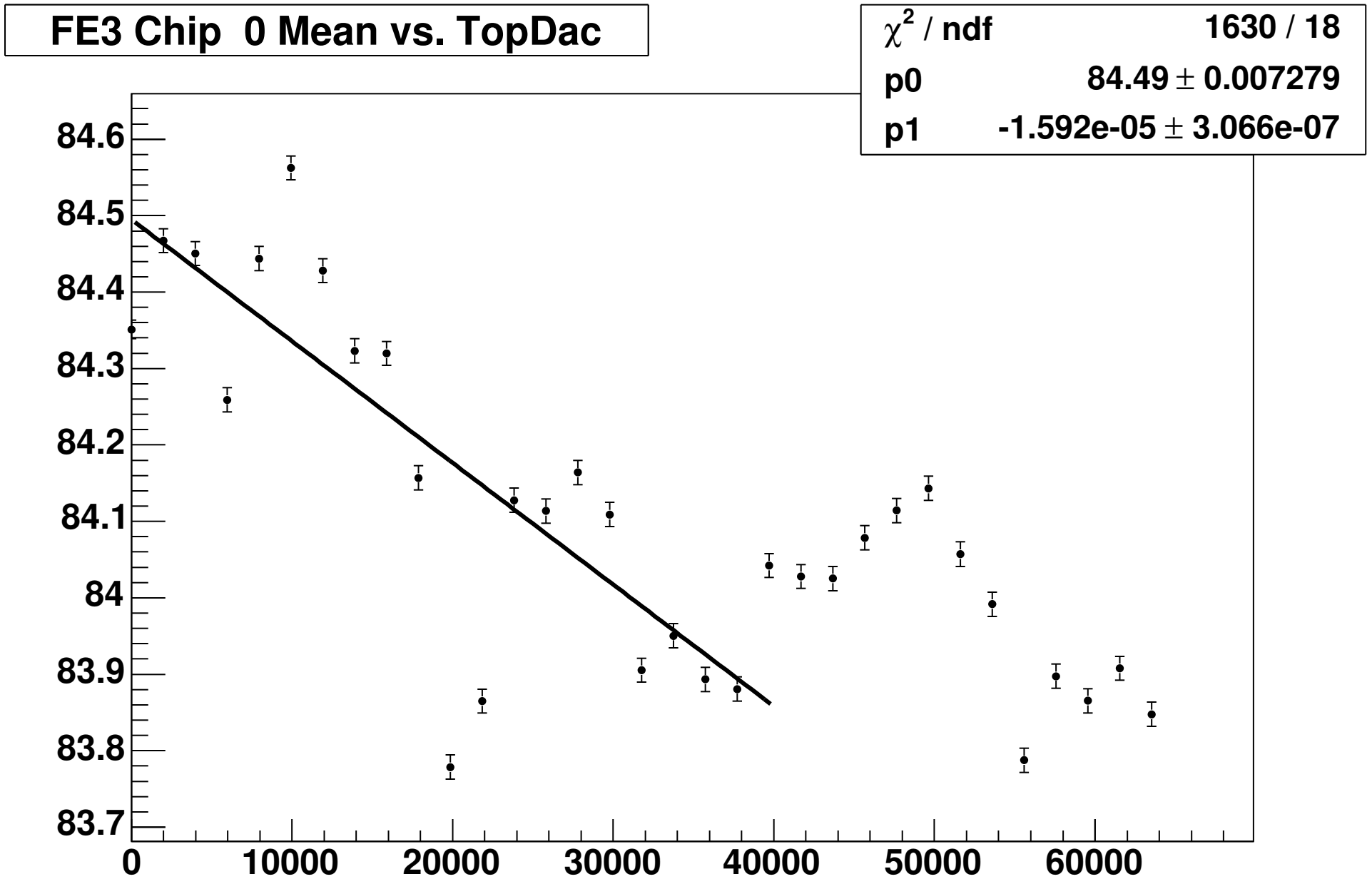
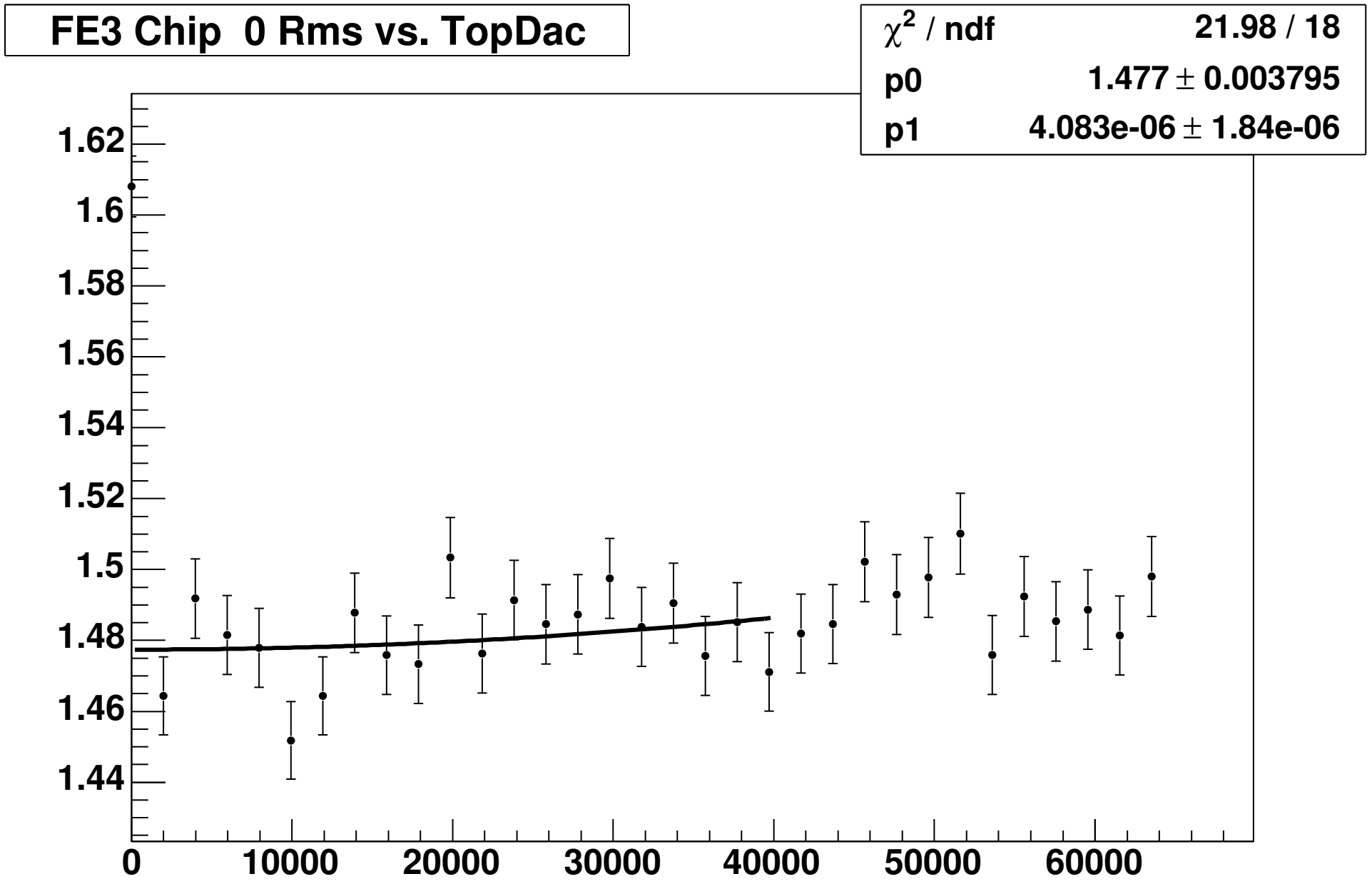

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1630 / 18
p0 84.49 ± 0.007279
p1 -1.592e-05 ± 3.066e-07
84.6
84.5
84.4
84.3
84.2
84.1
84
83.9
83.8
83.7
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 21.98 / 18
p0 1.477 ± 0.003795
p1 4.083e-06 ± 1.84e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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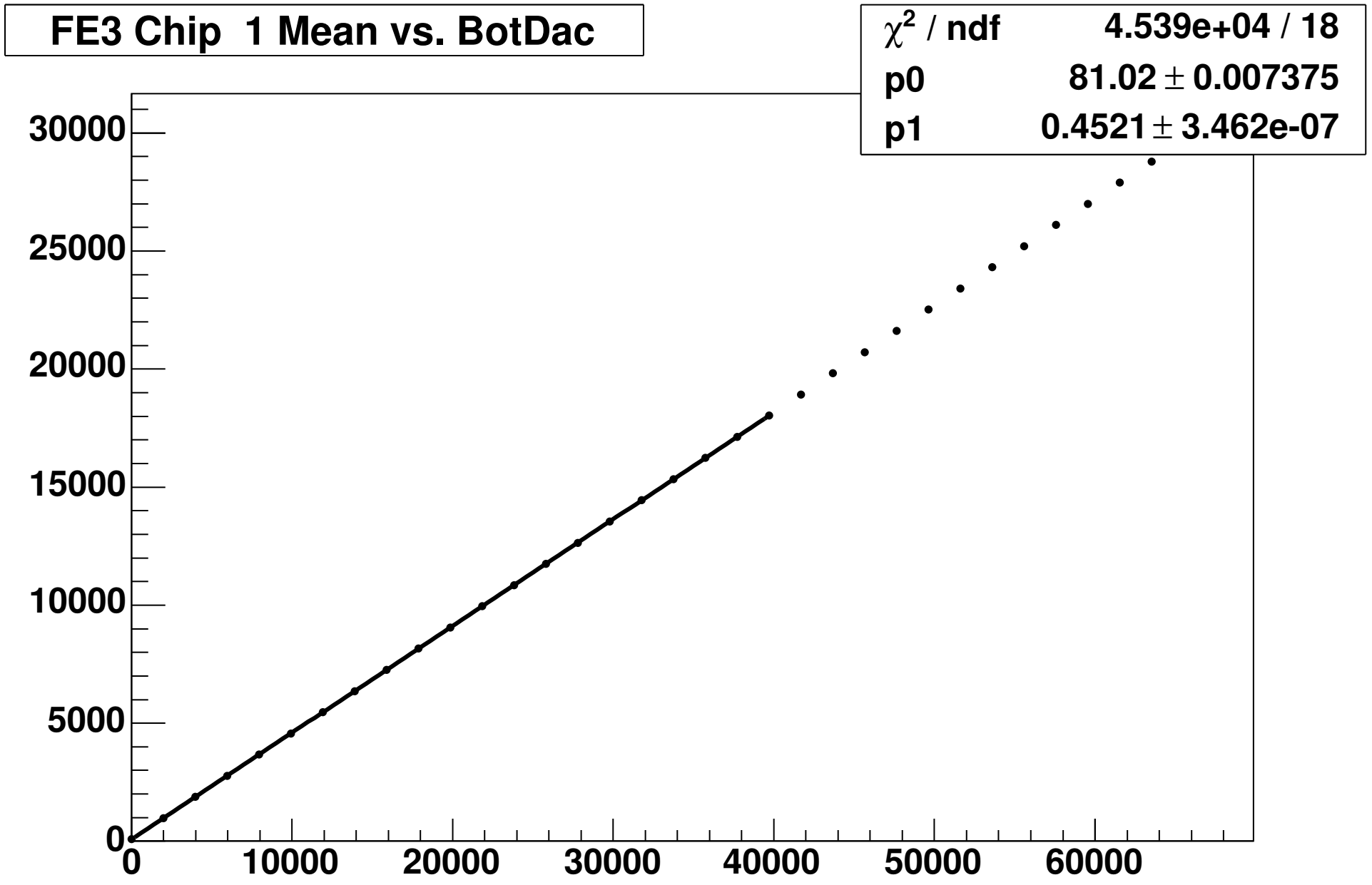
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 4.539e+04 / 18
p0 81.02 ± 0.007375
p1 0.4521 ± 3.462e-07
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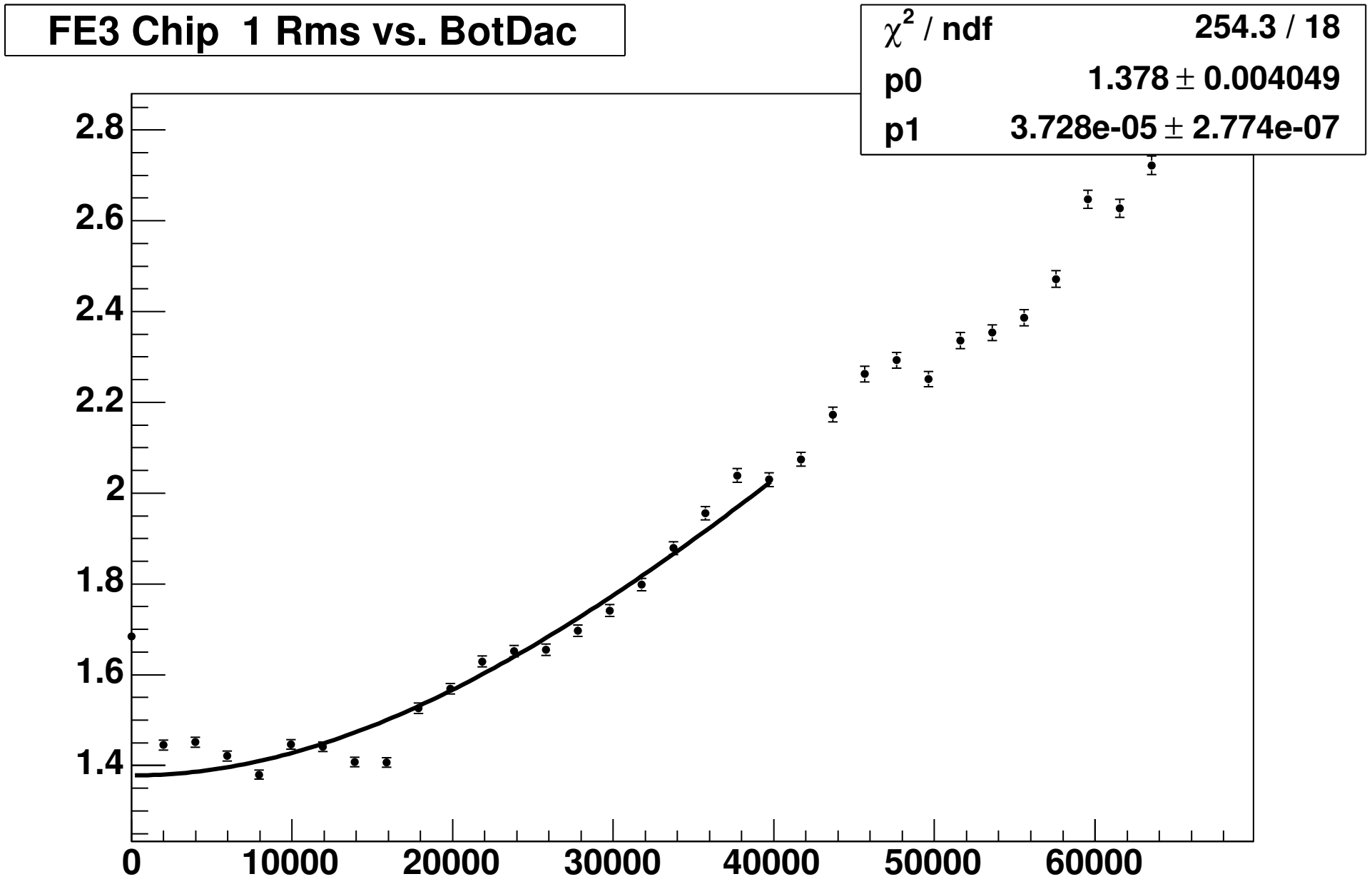
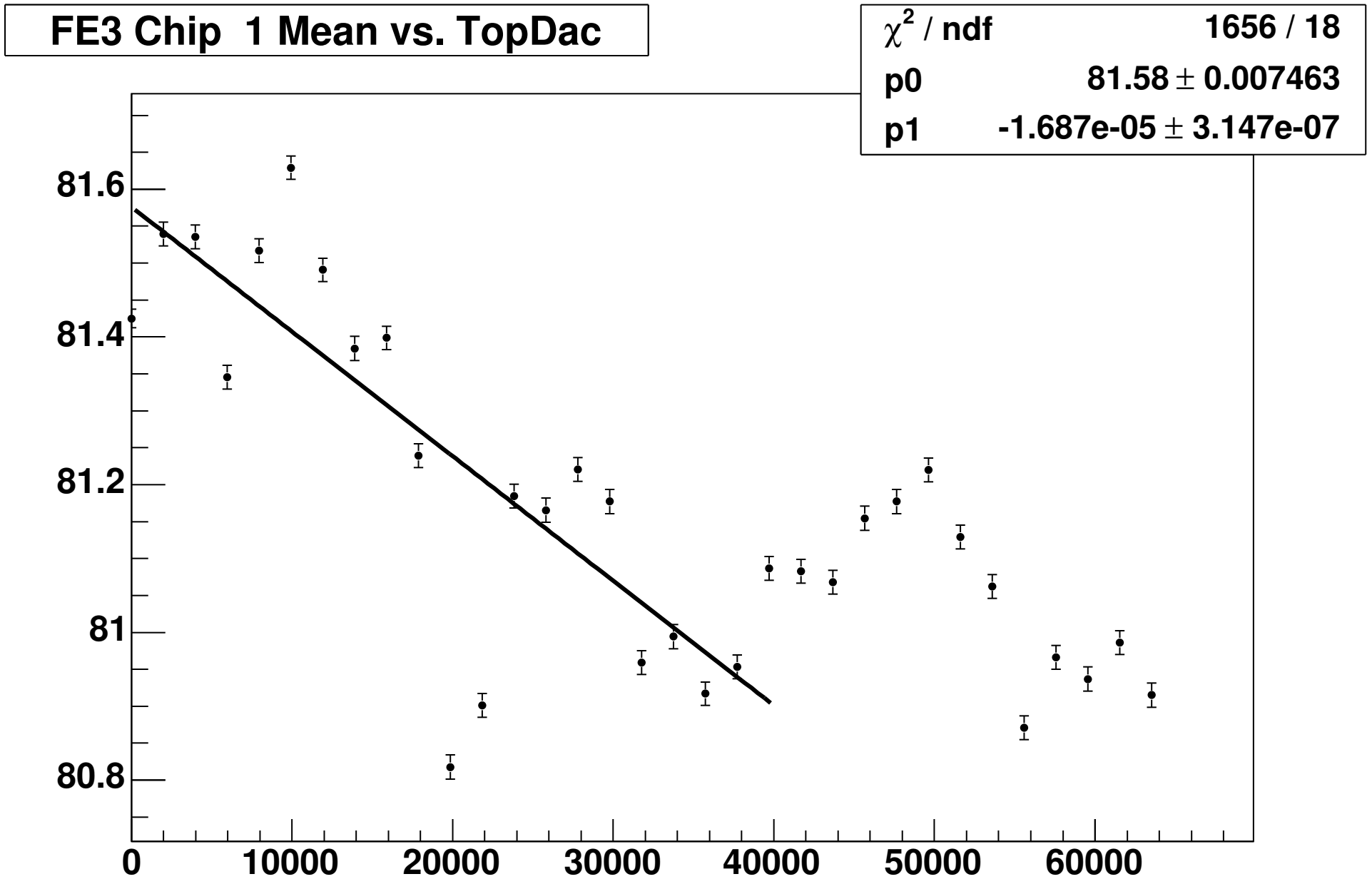
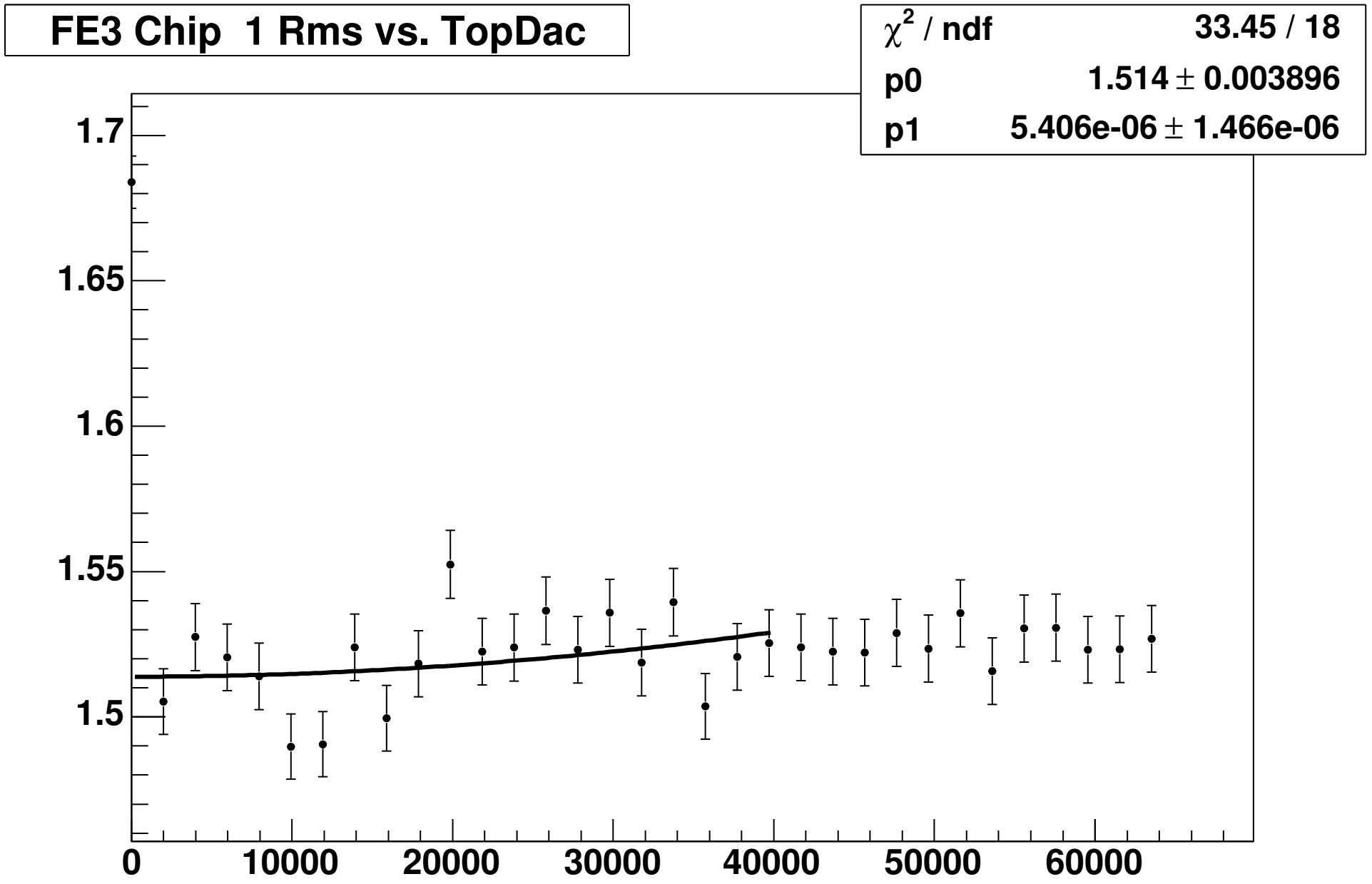
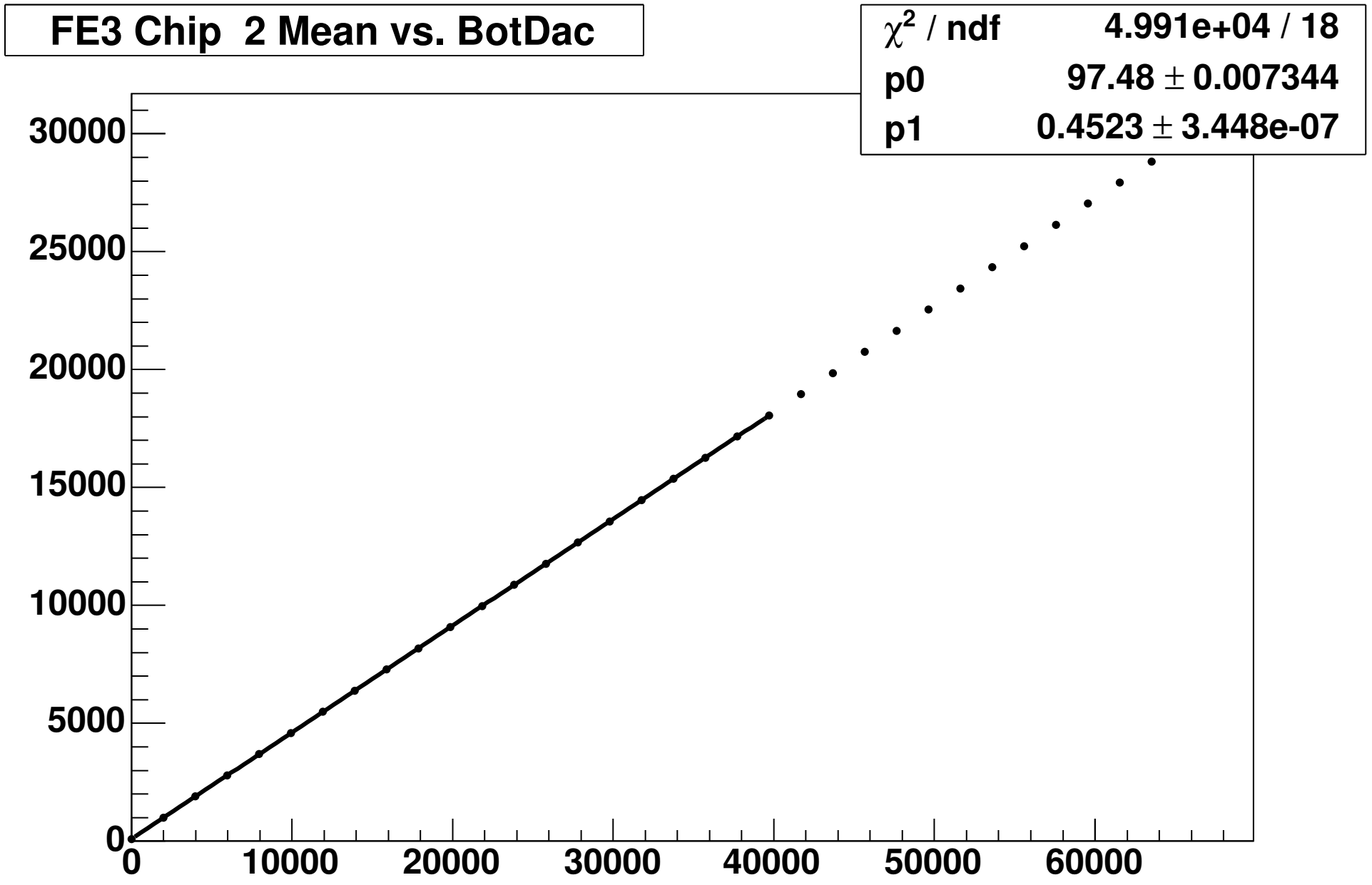
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 254.3 / 18
p0 1.378 ± 0.004049
p1 3.728e-05 ± 2.774e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1656 / 18
p0 81.58 ± 0.007463
p1 -1.687e-05 ± 3.147e-07
81.6
81.4
81.2
81
80.8
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 33.45 / 18
p0 1.514 ± 0.003896
p1 5.406e-06 ± 1.466e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 4.991e+04 / 18
p0 97.48 ± 0.007344
p1 0.4523 ± 3.448e-07
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25000
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15000
10000
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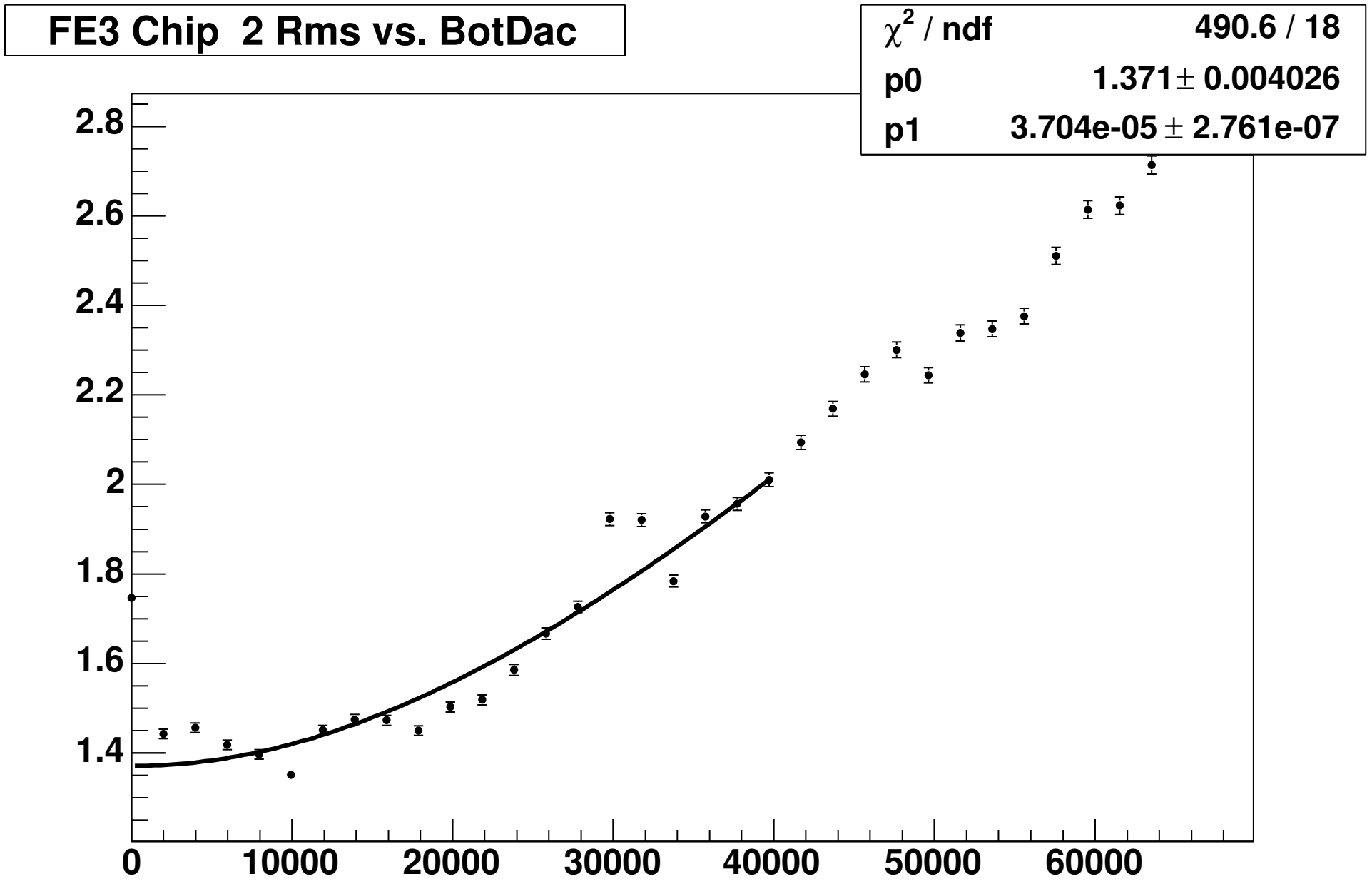
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 490.6 / 18
p0 1.371 ± 0.004026
p1 3.704e-05 ± 2.761e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
20000
30000
40000
50000
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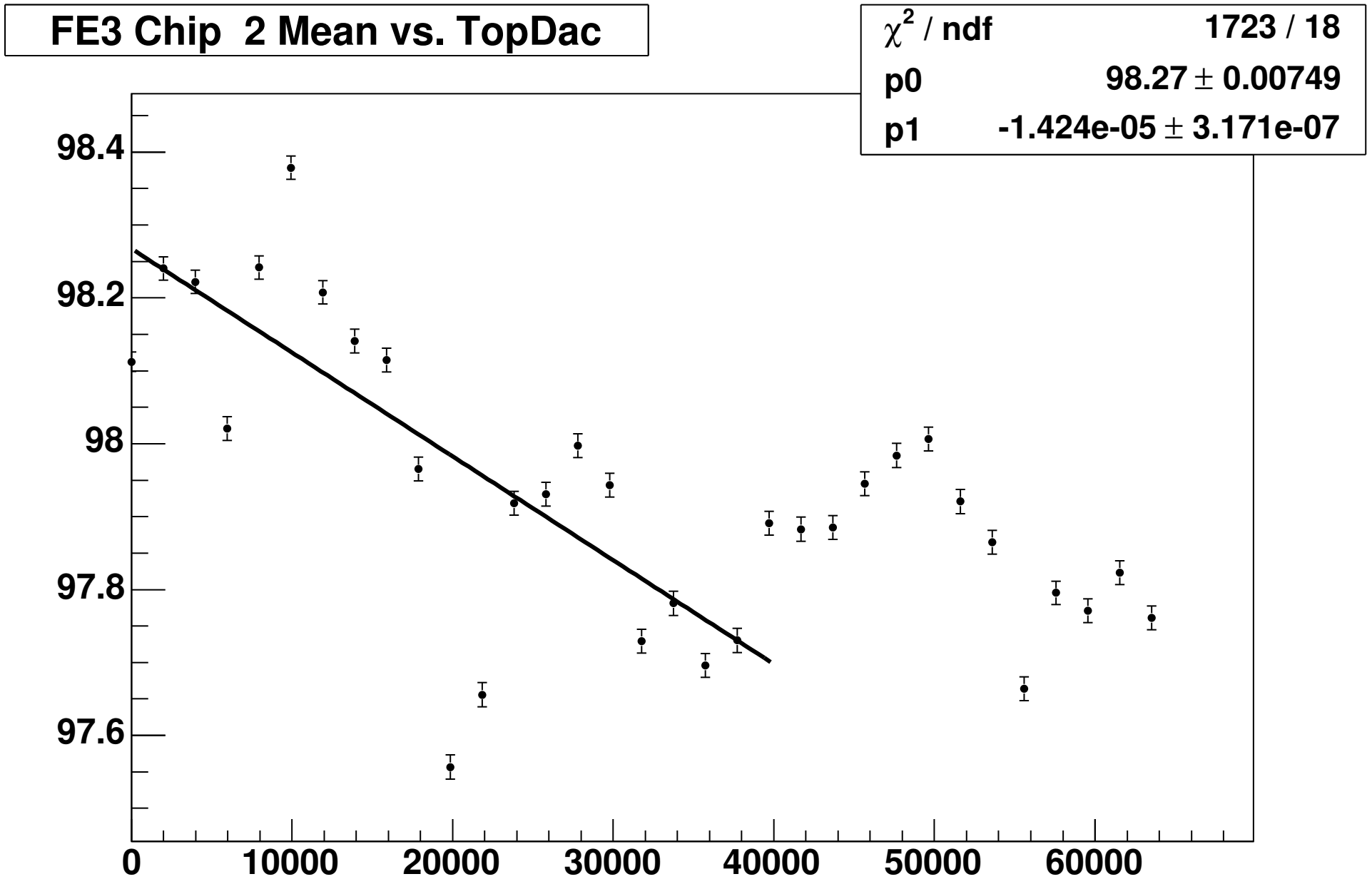
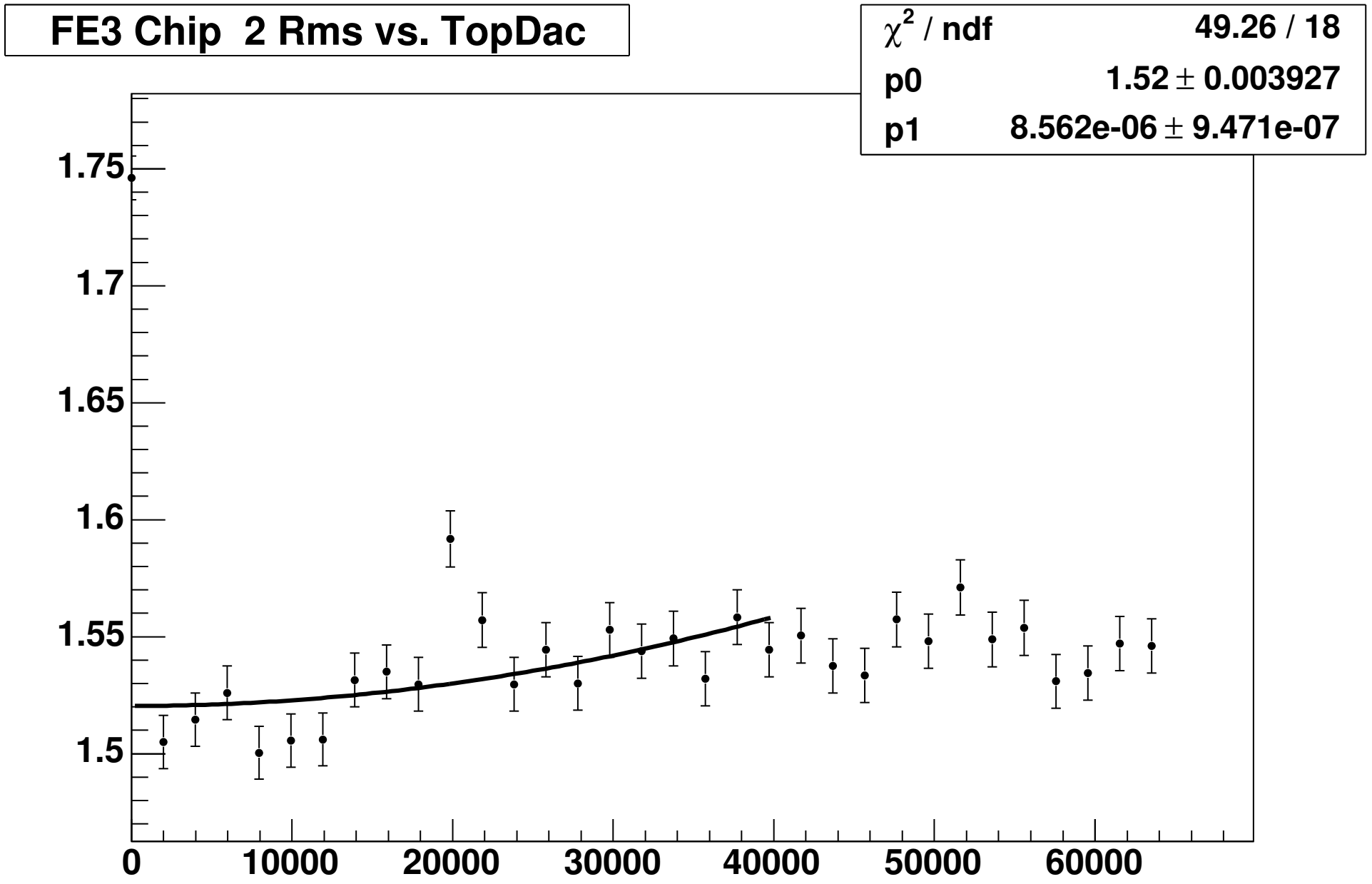

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1723 / 18
p0 98.27 ± 0.00749
p1 -1.424e-05 ± 3.171e-07
98.4
98.2
98
97.8
97.6
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 49.26 / 18
p0 1.52 ± 0.003927
p1 8.562e-06 ± 9.471e-07
1.75
1.7
1.65
1.6
1.55
1.5
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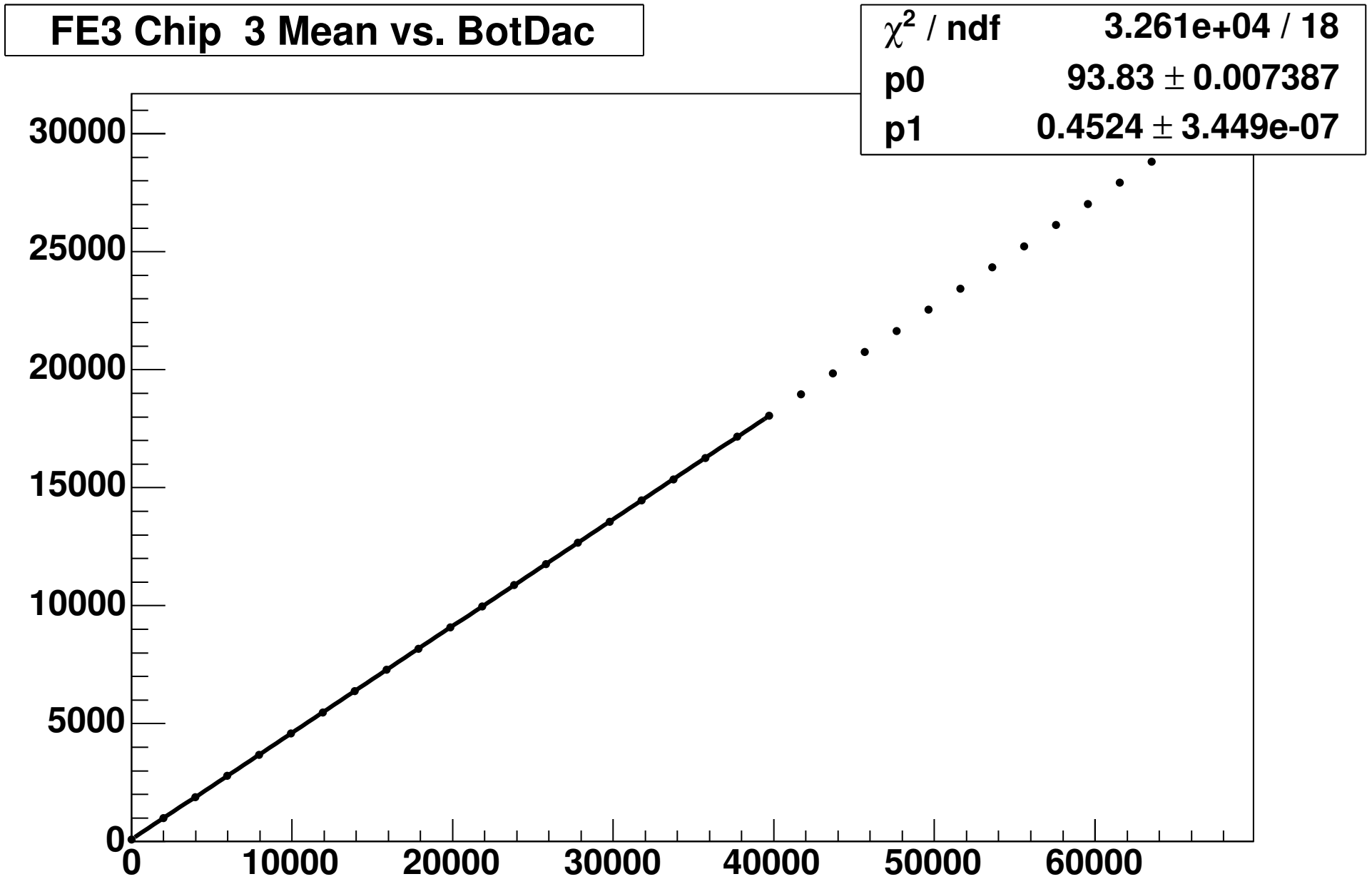
FE3 Chip 3 Mean vs. BotDac
χ² / ndf 3.261e+04 / 18
p0 93.83 ± 0.007387
p1 0.4524 ± 3.449e-07
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15000
10000
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10000
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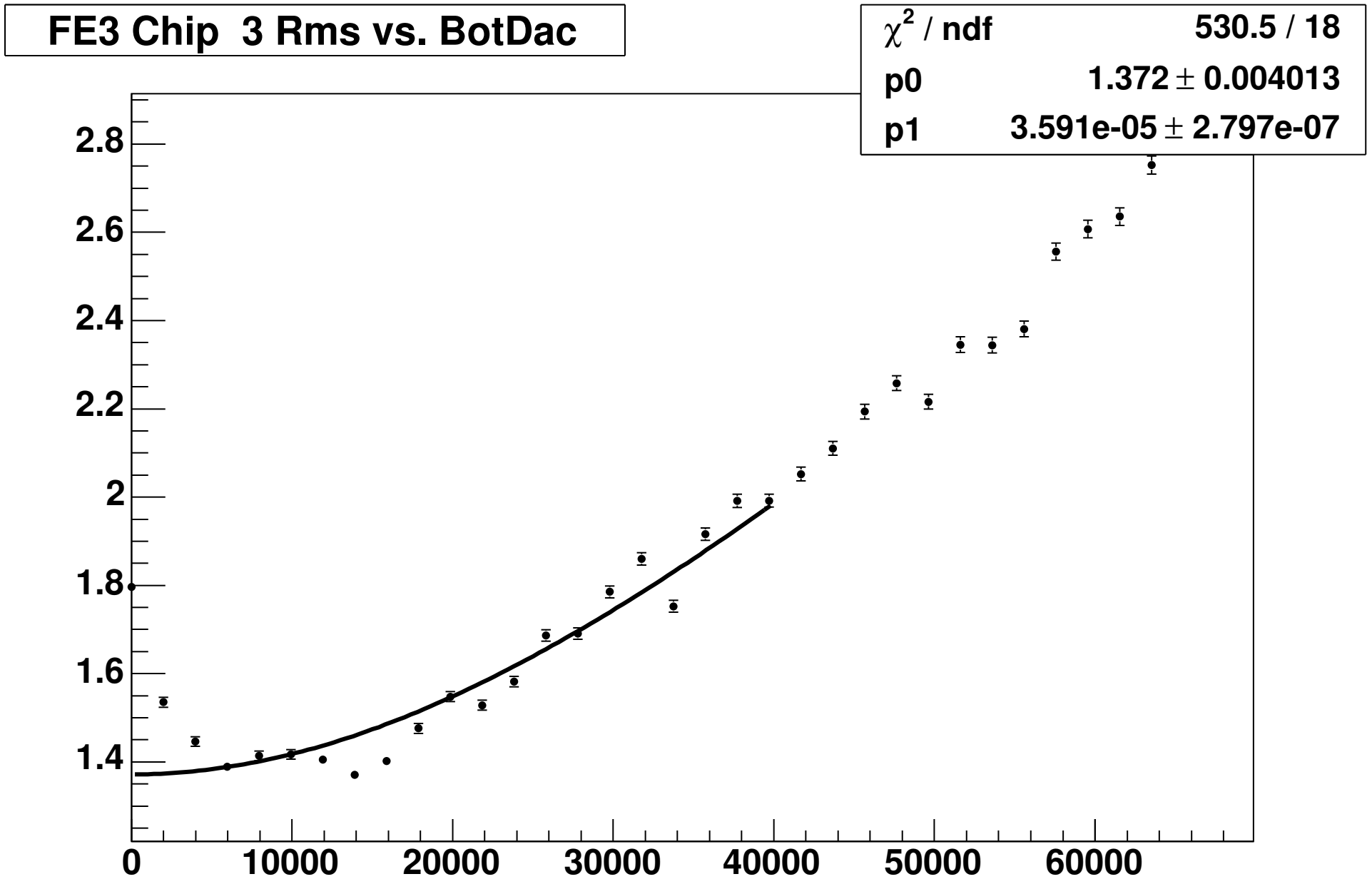
FE3 Chip 3 Rms vs. BotDac
χ² / ndf 530.5 / 18
p0 1.372 ± 0.004013
p1 3.591e-05 ± 2.797e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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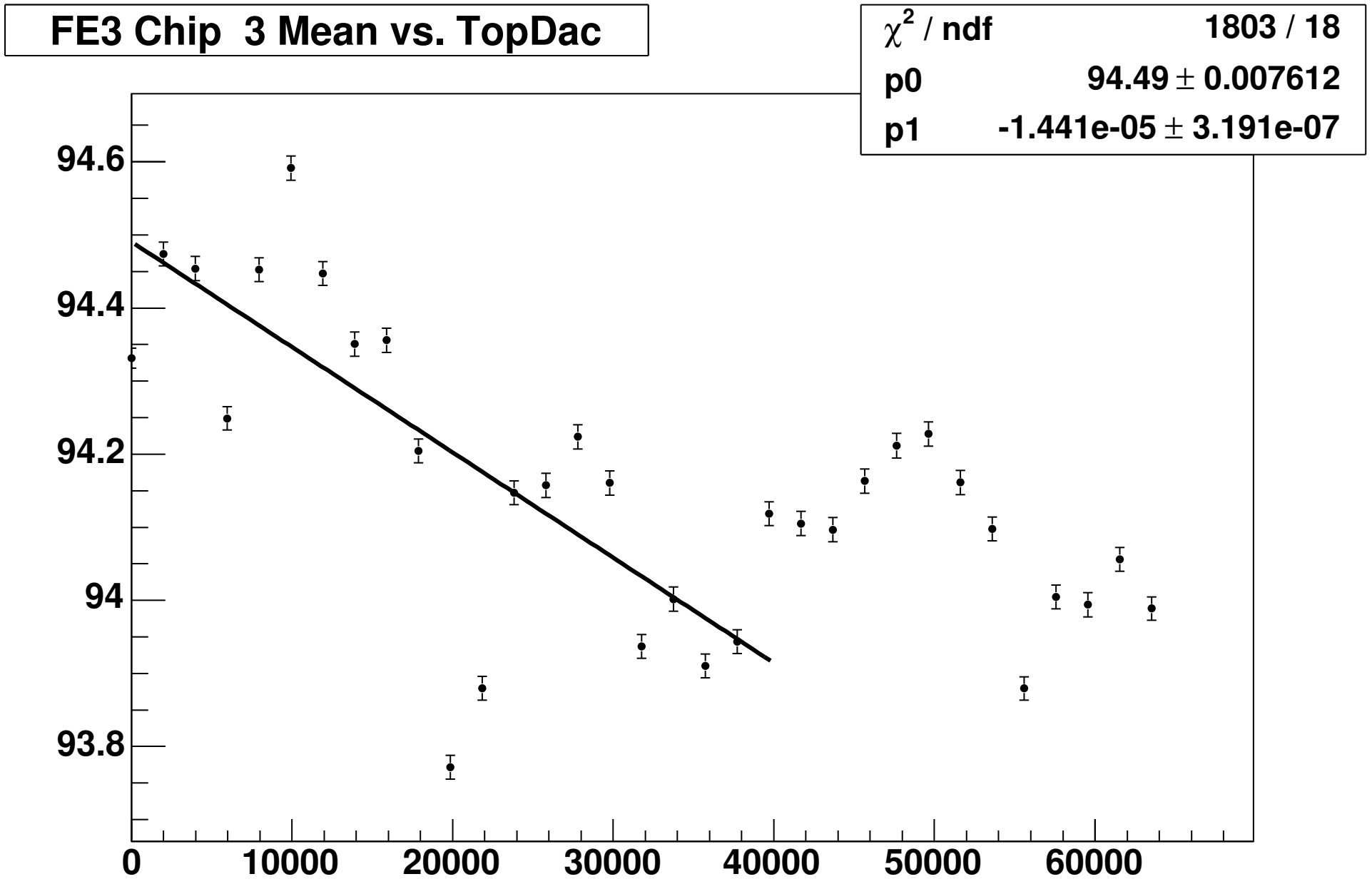
FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1803 / 18
p0 94.49 ± 0.007612
p1 -1.441e-05 ± 3.191e-07
94.6
94.4
94.2
94
93.8
0
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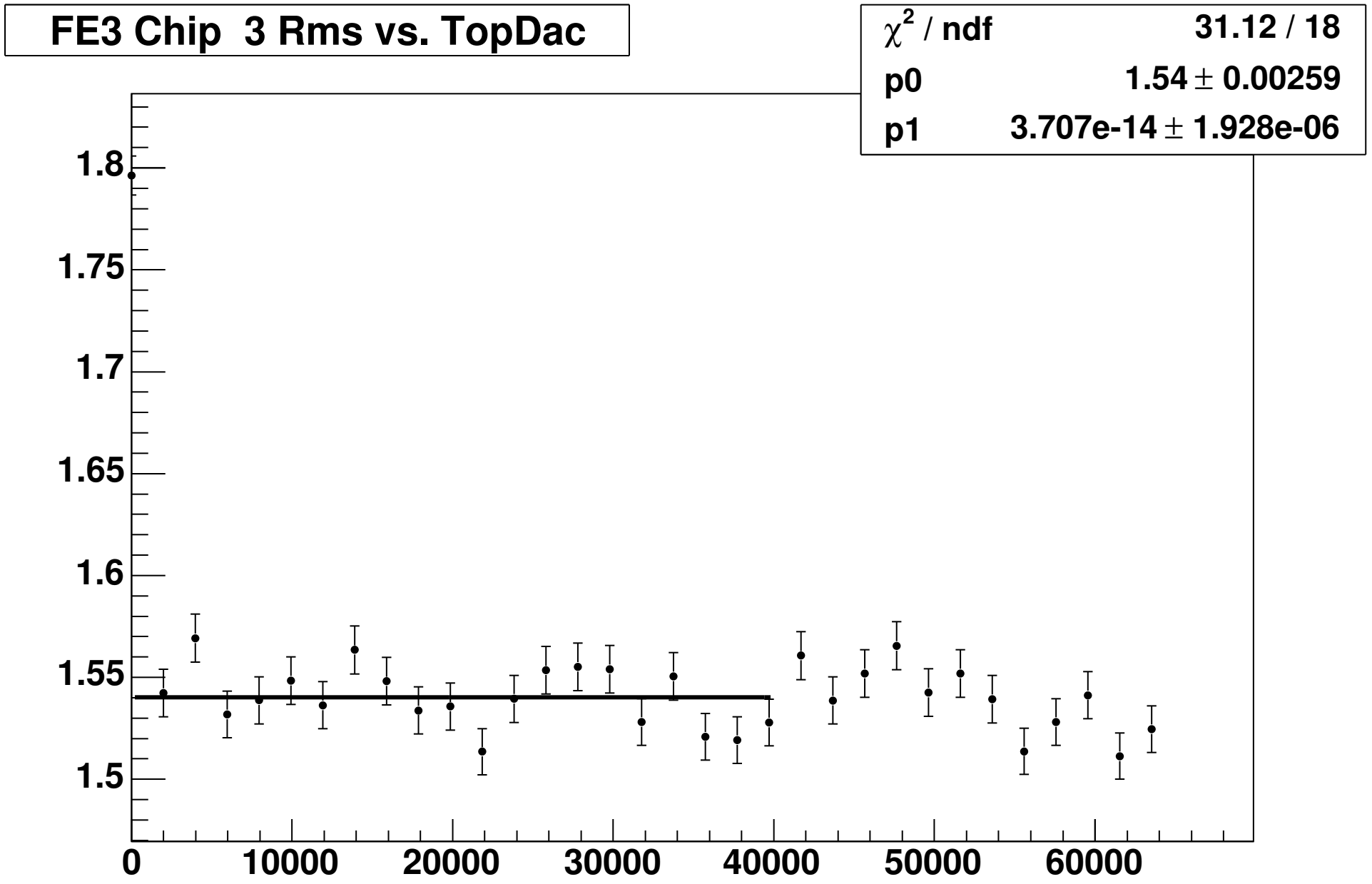
FE3 Chip 3 Rms vs. TopDac
χ² / ndf 31.12 / 18
p0 1.54 ± 0.00259
p1 3.707e-14 ± 1.928e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
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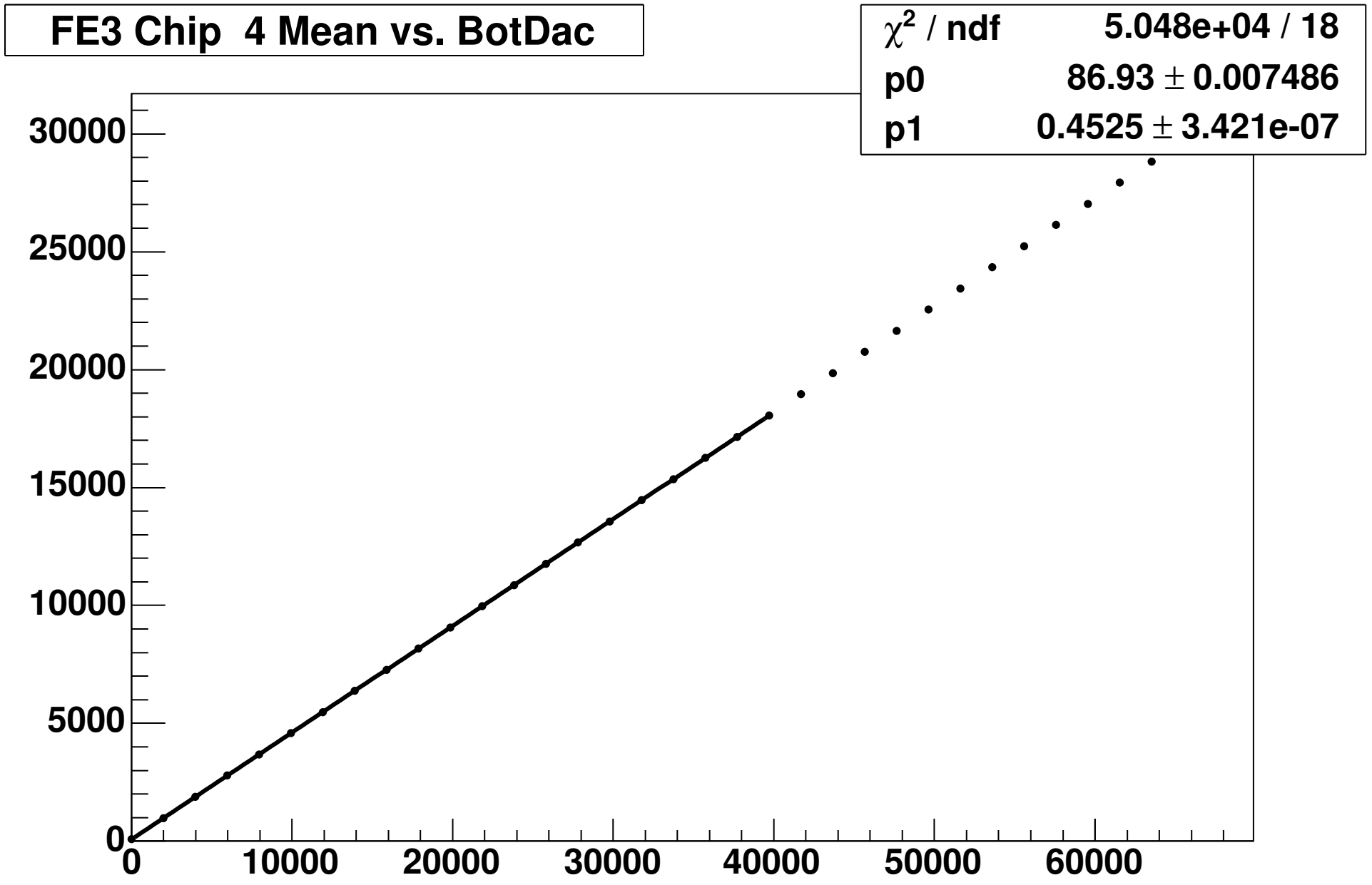
FE3 Chip 4 Mean vs. BotDac
χ² / ndf 5.048e+04 / 18
p0 86.93 ± 0.007486
p1 0.4525 ± 3.421e-07
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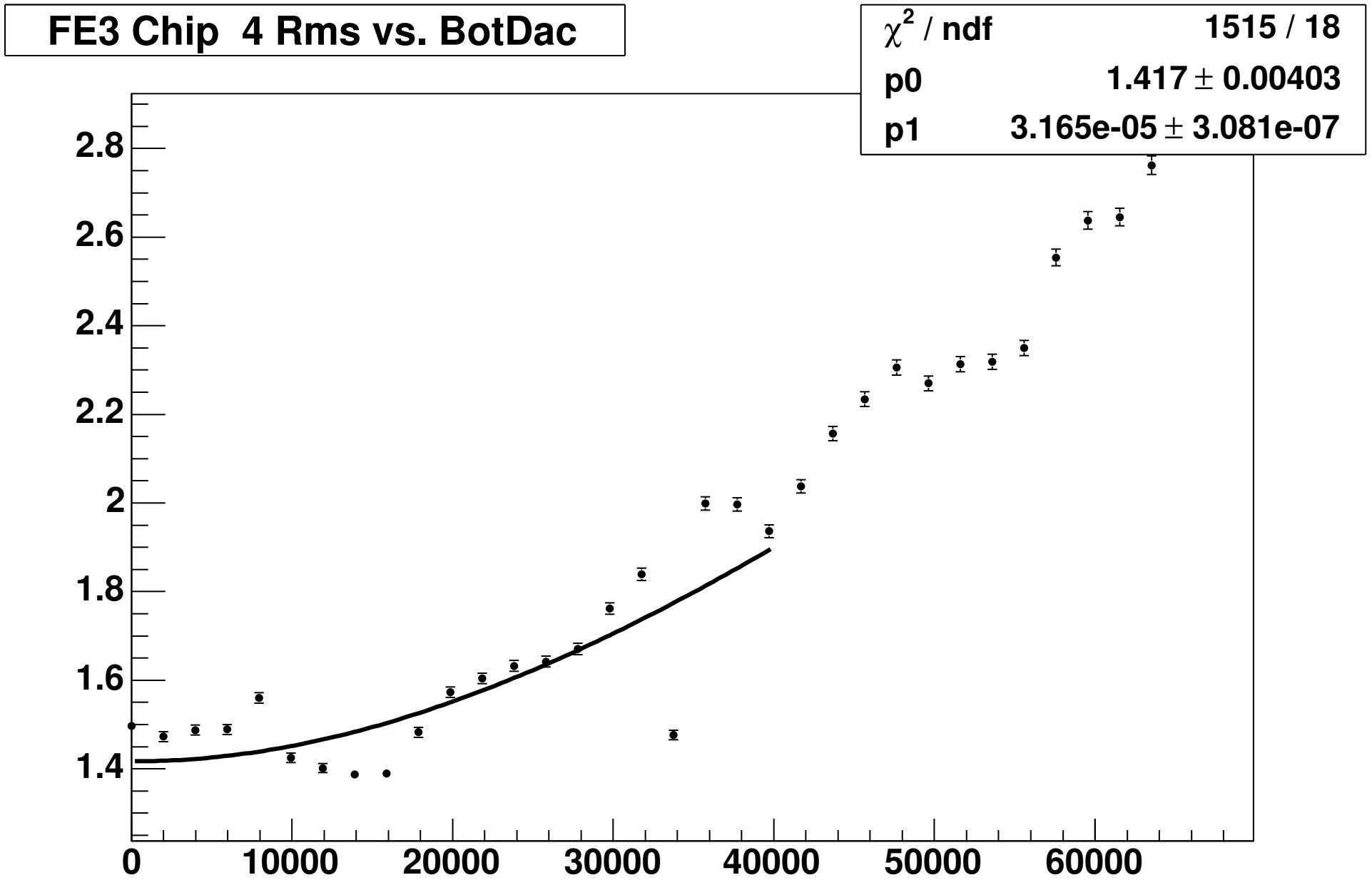
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1515 / 18
p0 1.417 ± 0.00403
p1 3.165e-05 ± 3.081e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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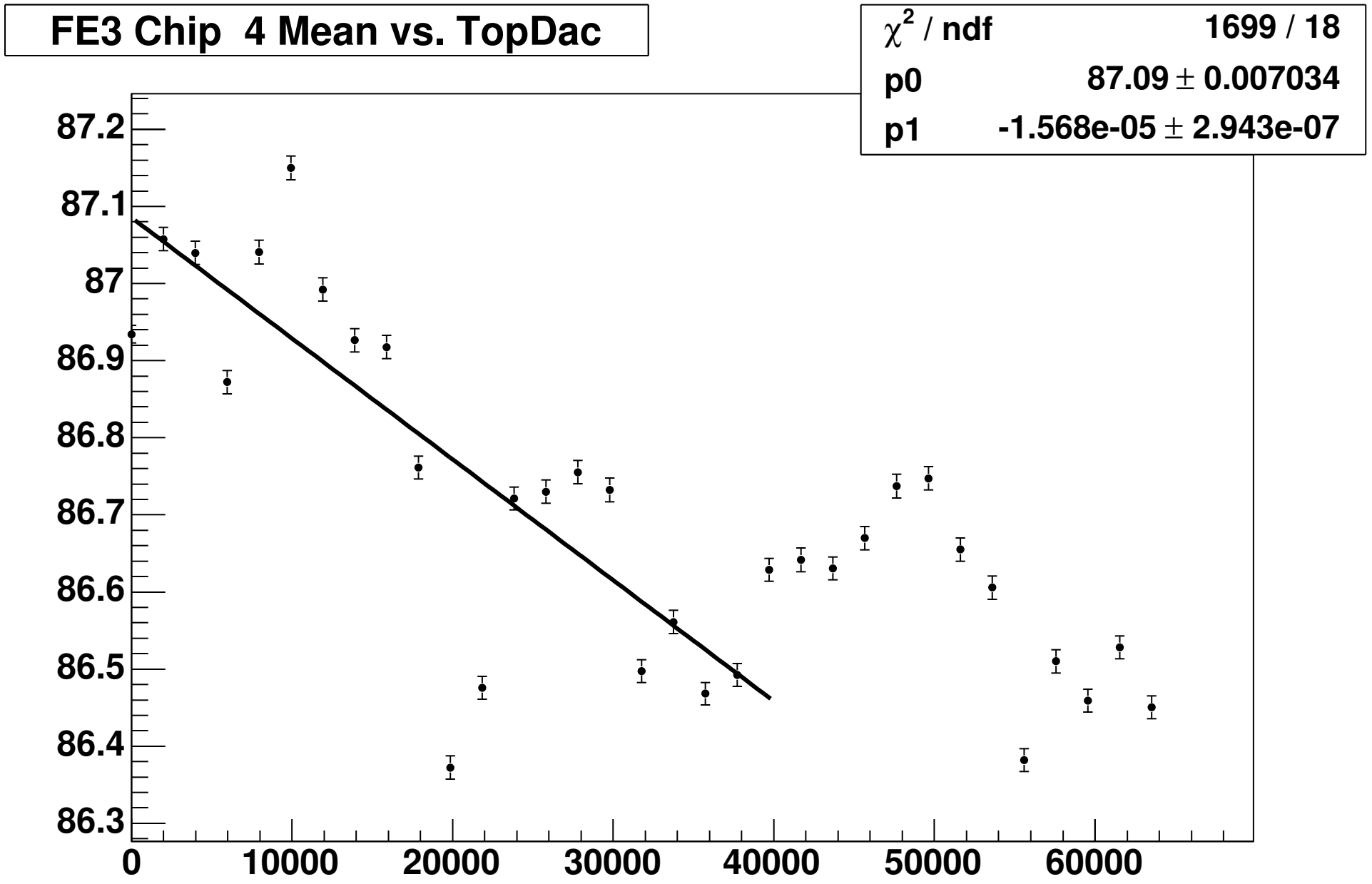
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 1699 / 18
p0 87.09 ± 0.007034
p1 -1.568e-05 ± 2.943e-07
87.2
87.1
87
86.9
86.8
86.7
86.6
86.5
86.4
86.3
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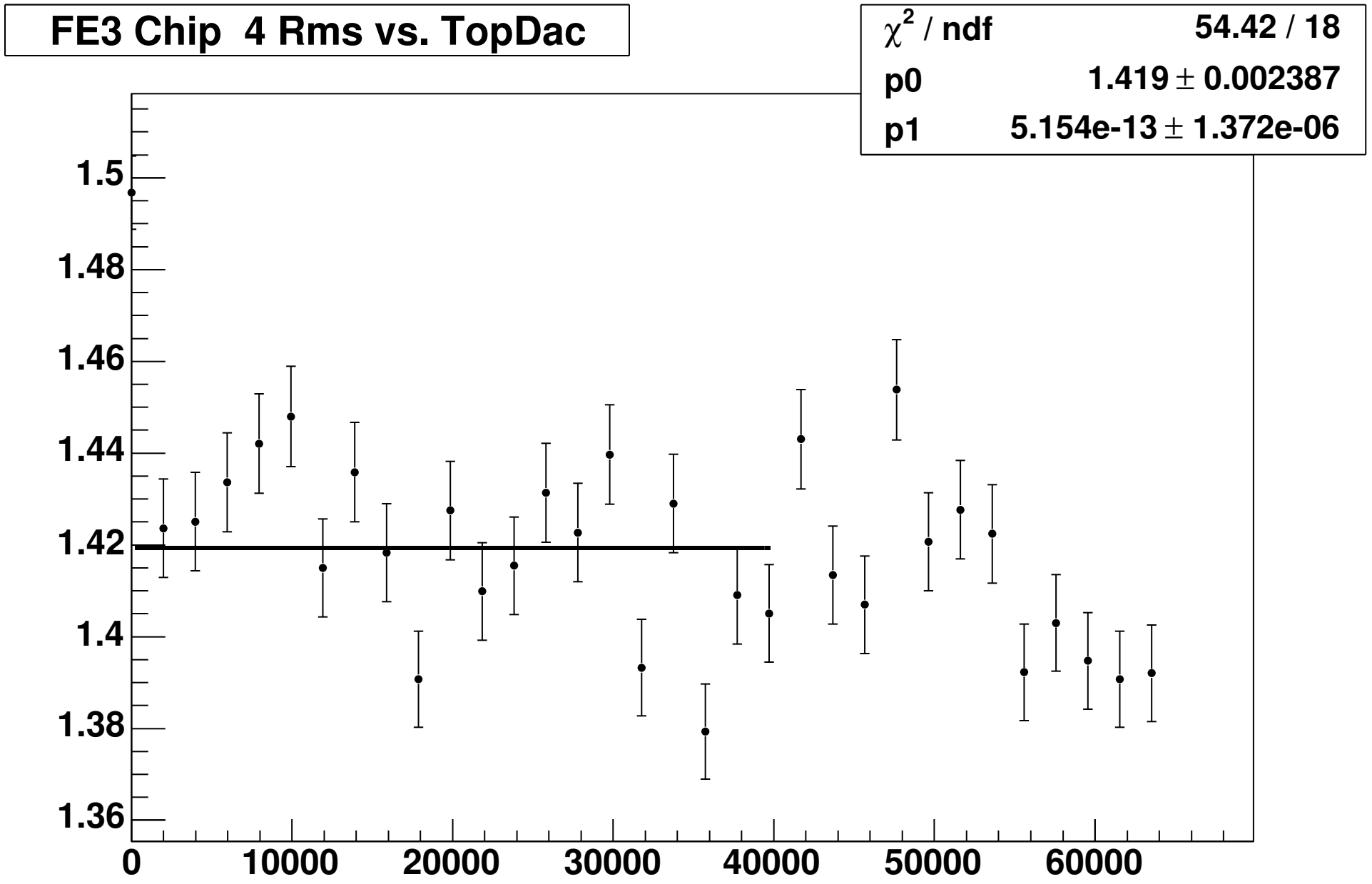
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 54.42 / 18
p0 1.419 ± 0.002387
p1 5.154e-13 ± 1.372e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
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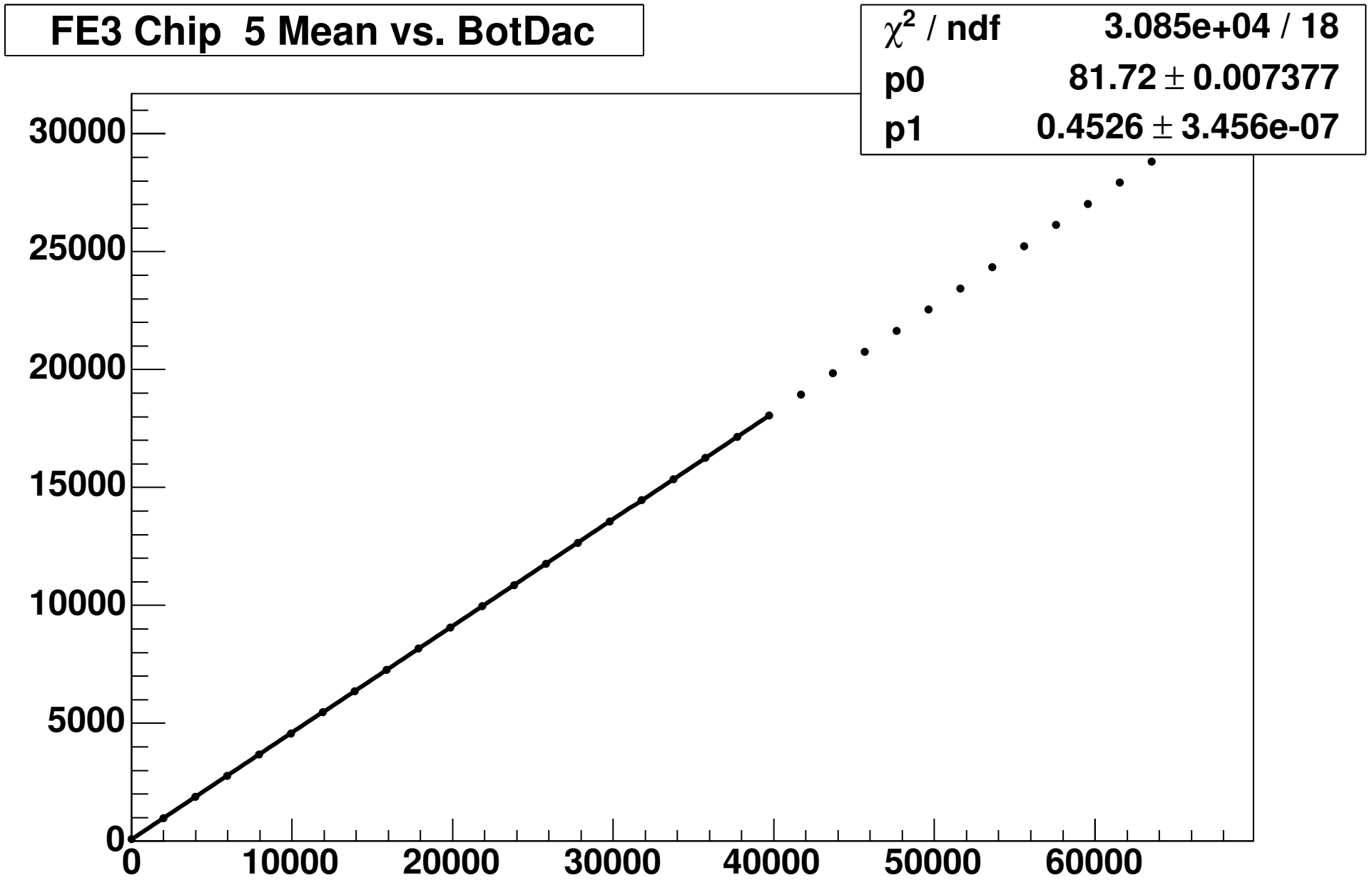
30000
40000
50000
60000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 3.085e+04 / 18
p0 81.72 ± 0.007377
p1 0.4526 ± 3.456e-07
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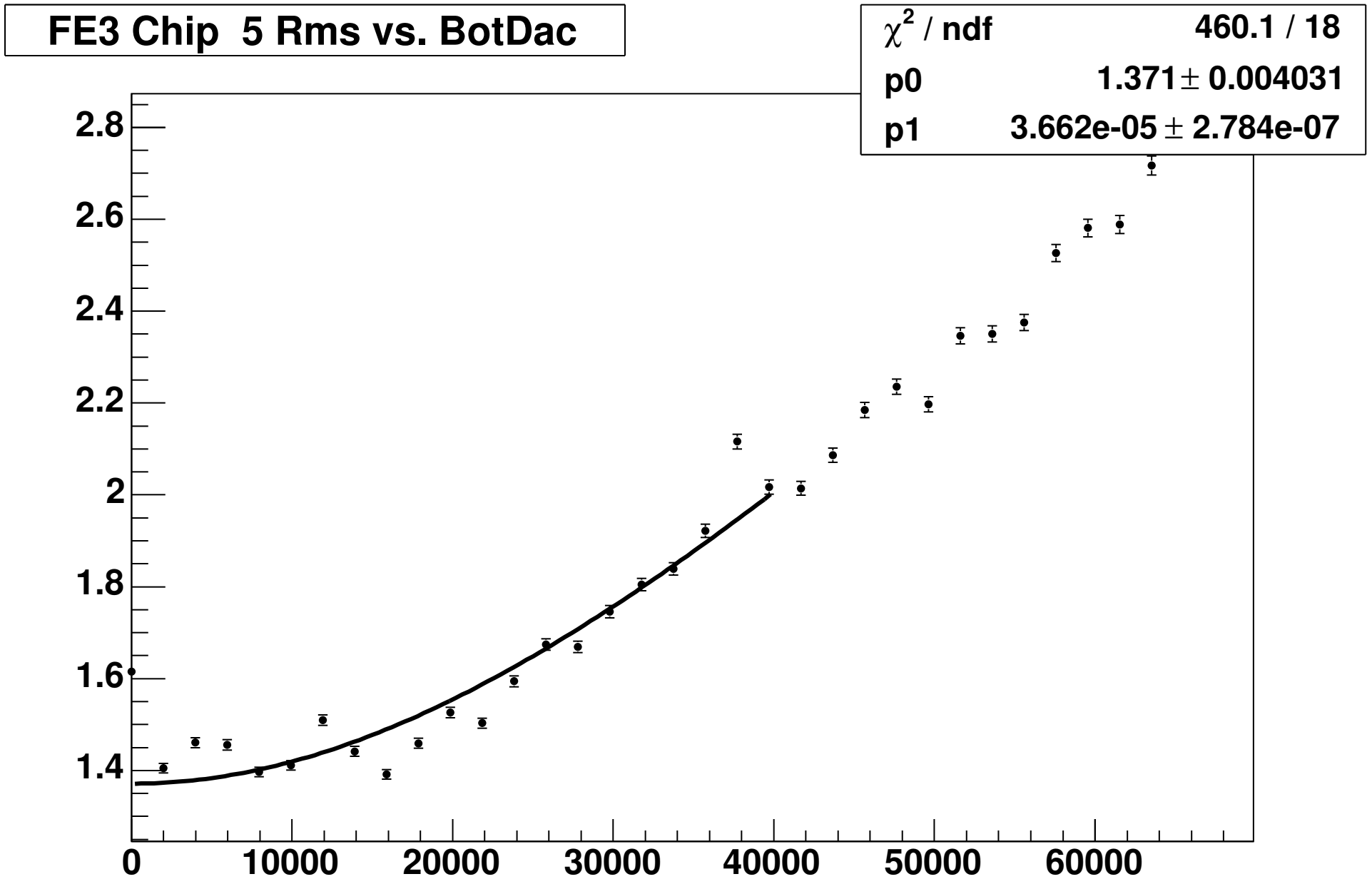
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 460.1 / 18
p0 1.371 ± 0.004031
p1 3.662e-05 ± 2.784e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
50000
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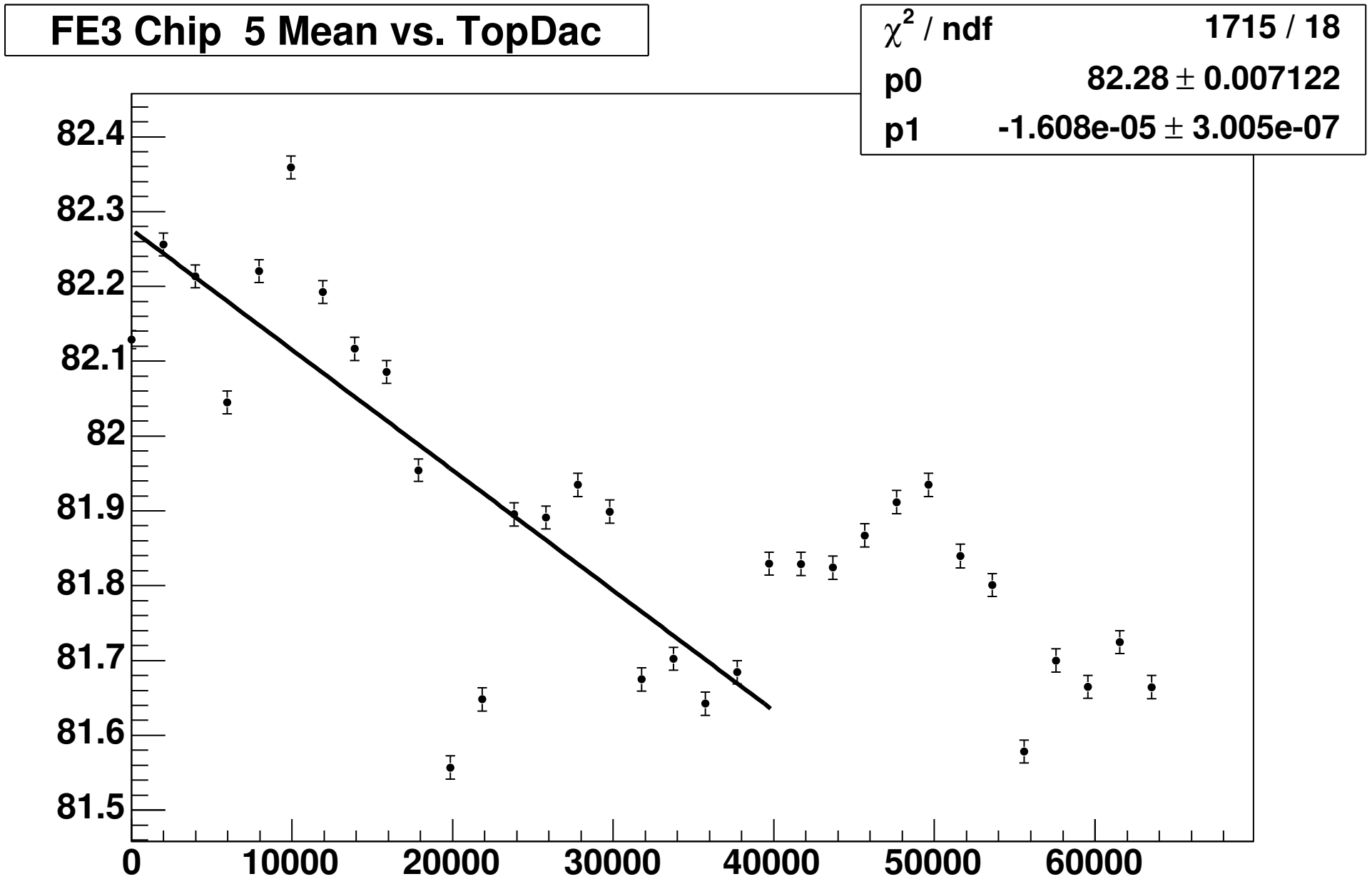
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 1715 / 18
p0 82.28 ± 0.007122
p1 -1.608e-05 ± 3.005e-07
82.4
82.3
82.2
82.1
82
81.9
81.8
81.7
81.6
81.5
0
10000
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40000
50000
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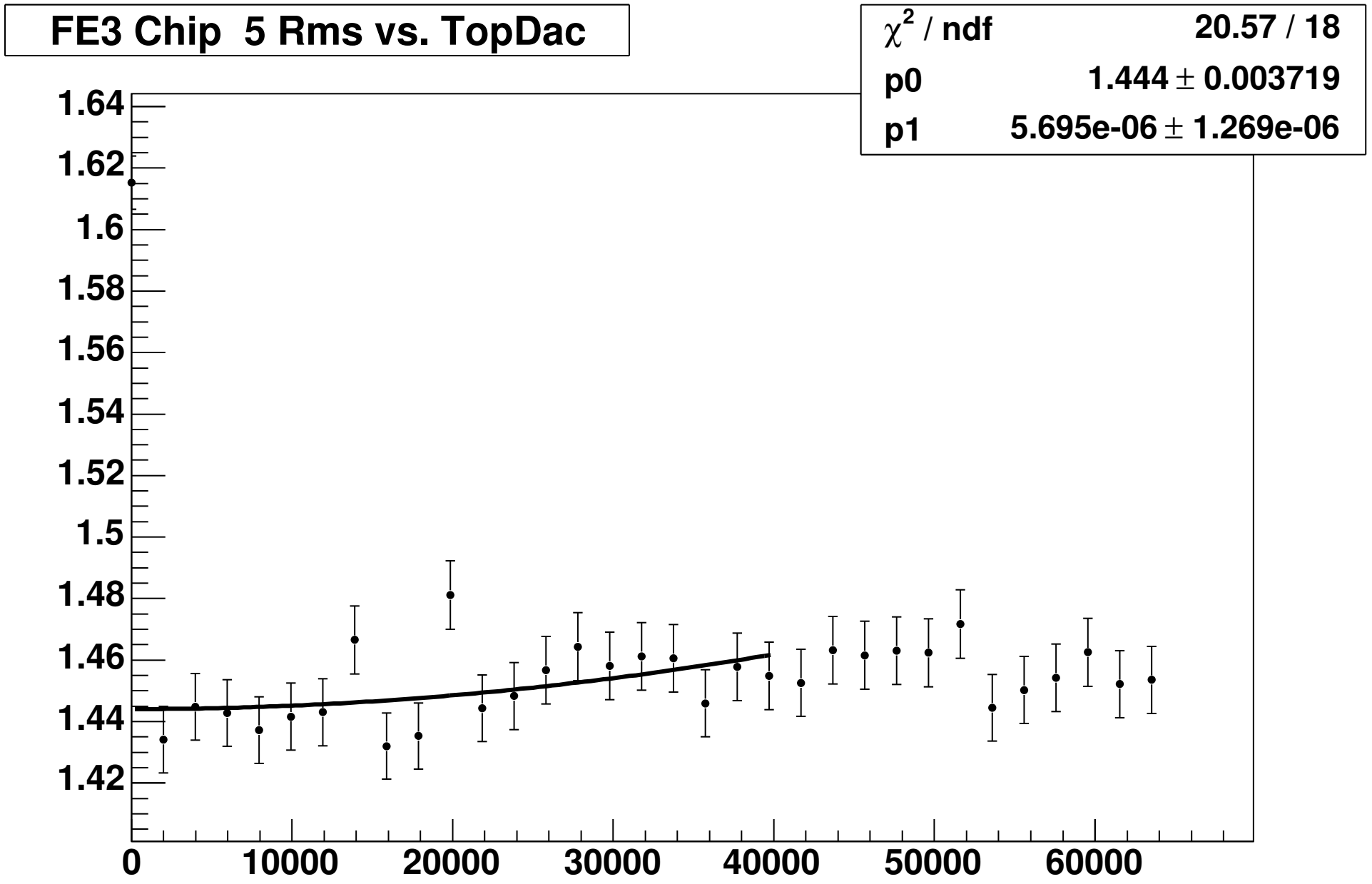
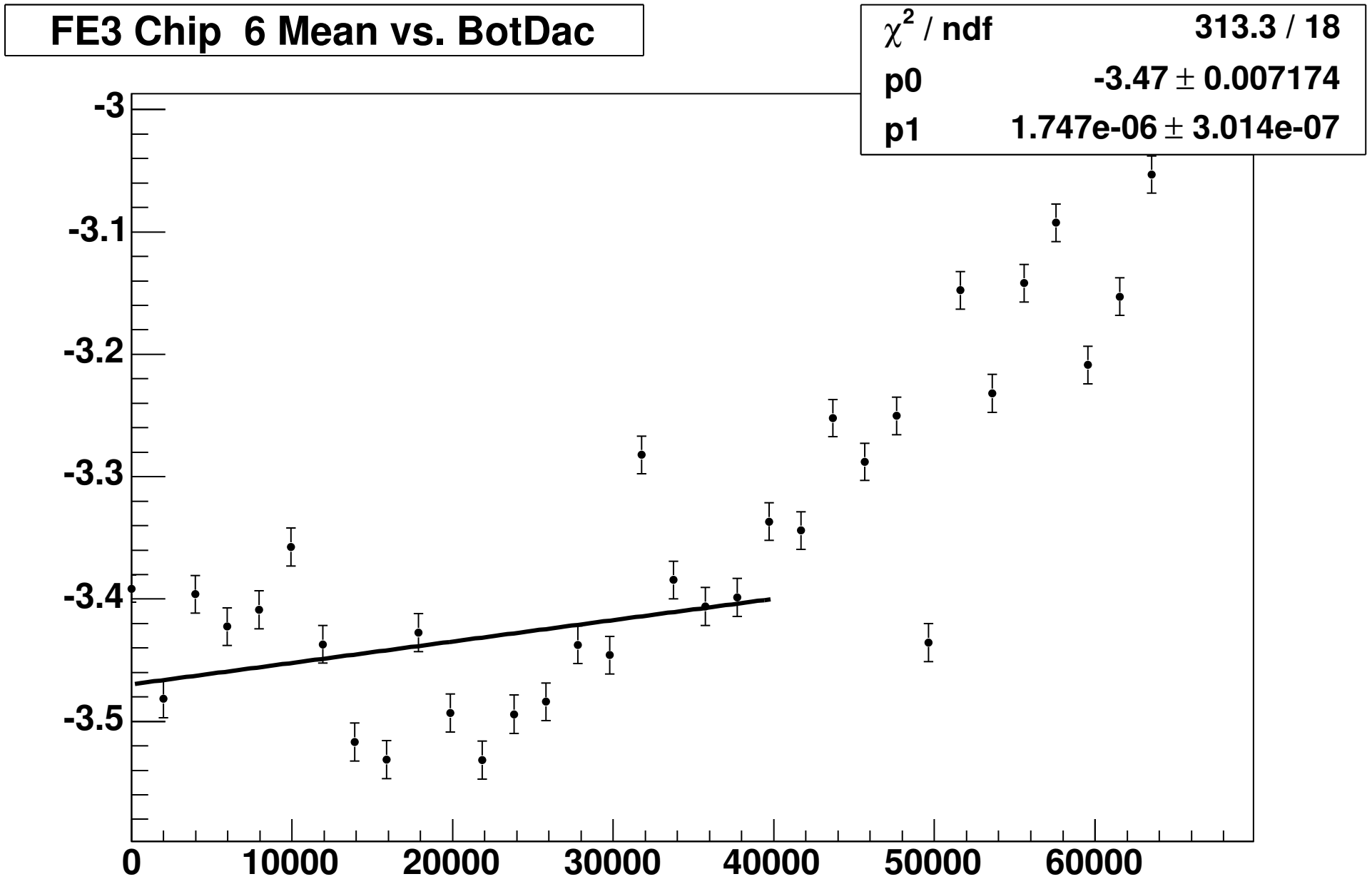

FE3 Chip 5 Rms vs. TopDac
χ² / ndf 20.57 / 18
p0 1.444 ± 0.003719
p1 5.695e-06 ± 1.269e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 313.3 / 18
p0 -3.47 ± 0.007174
p1 1.747e-06 ± 3.014e-07
-3
-3.1
-3.2
-3.3
-3.4
-3.5
0
10000
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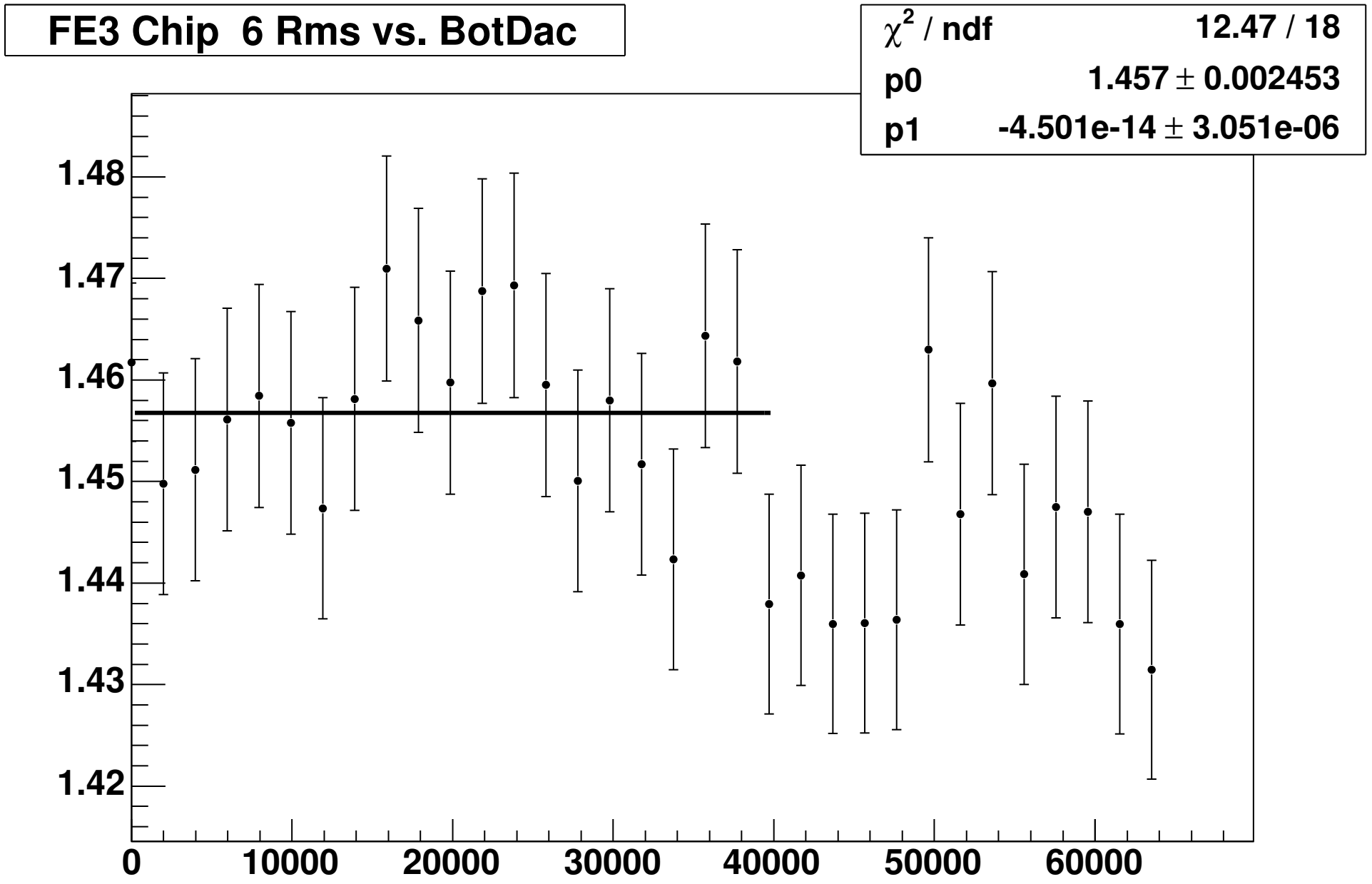
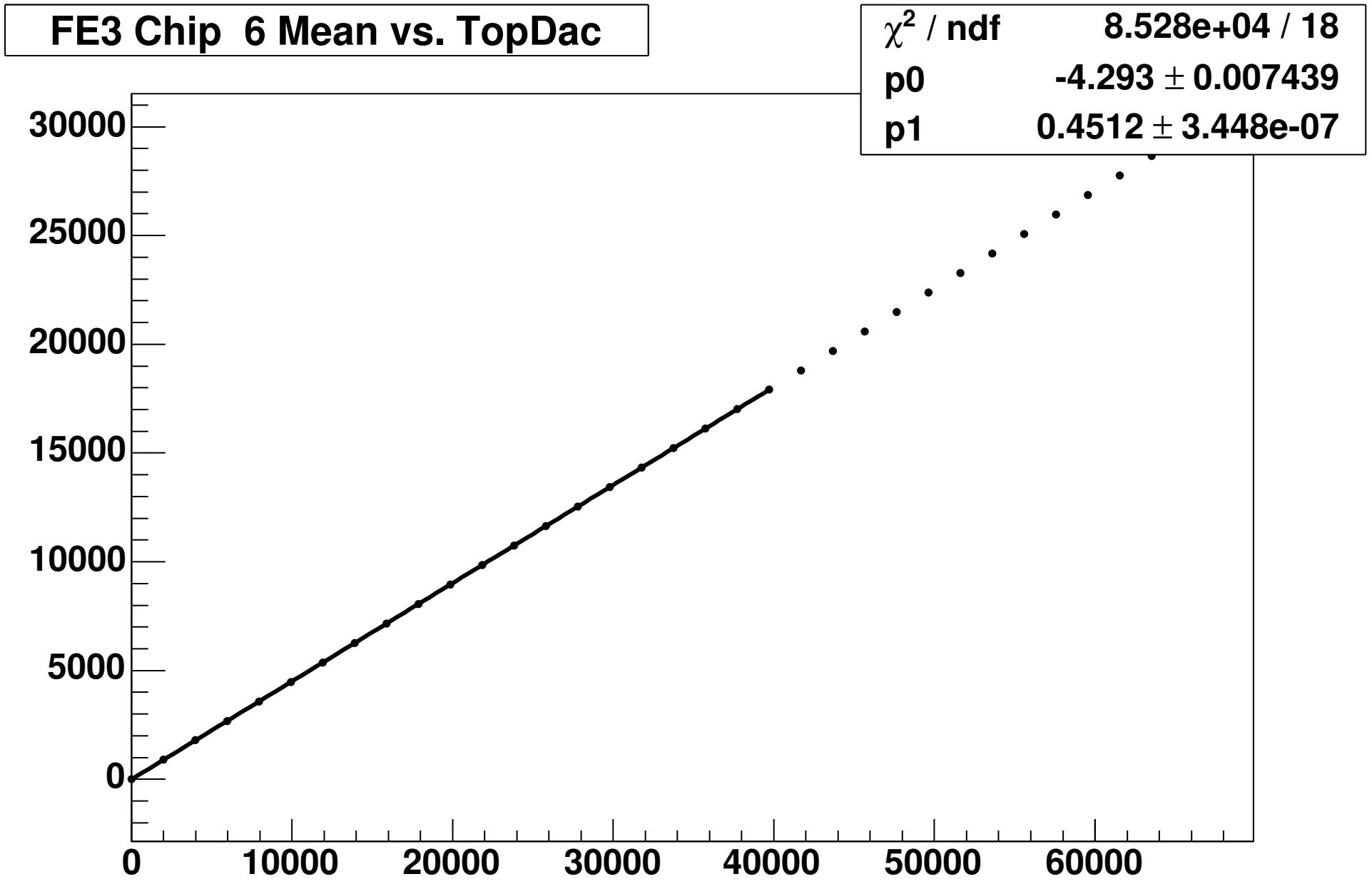
30000
40000
50000
60000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 12.47 / 18
p0 1.457 ± 0.002453
p1 -4.501e-14 ± 3.051e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 8.528e+04 / 18
p0 -4.293 ± 0.007439
p1 0.4512 ± 3.448e-07
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25000
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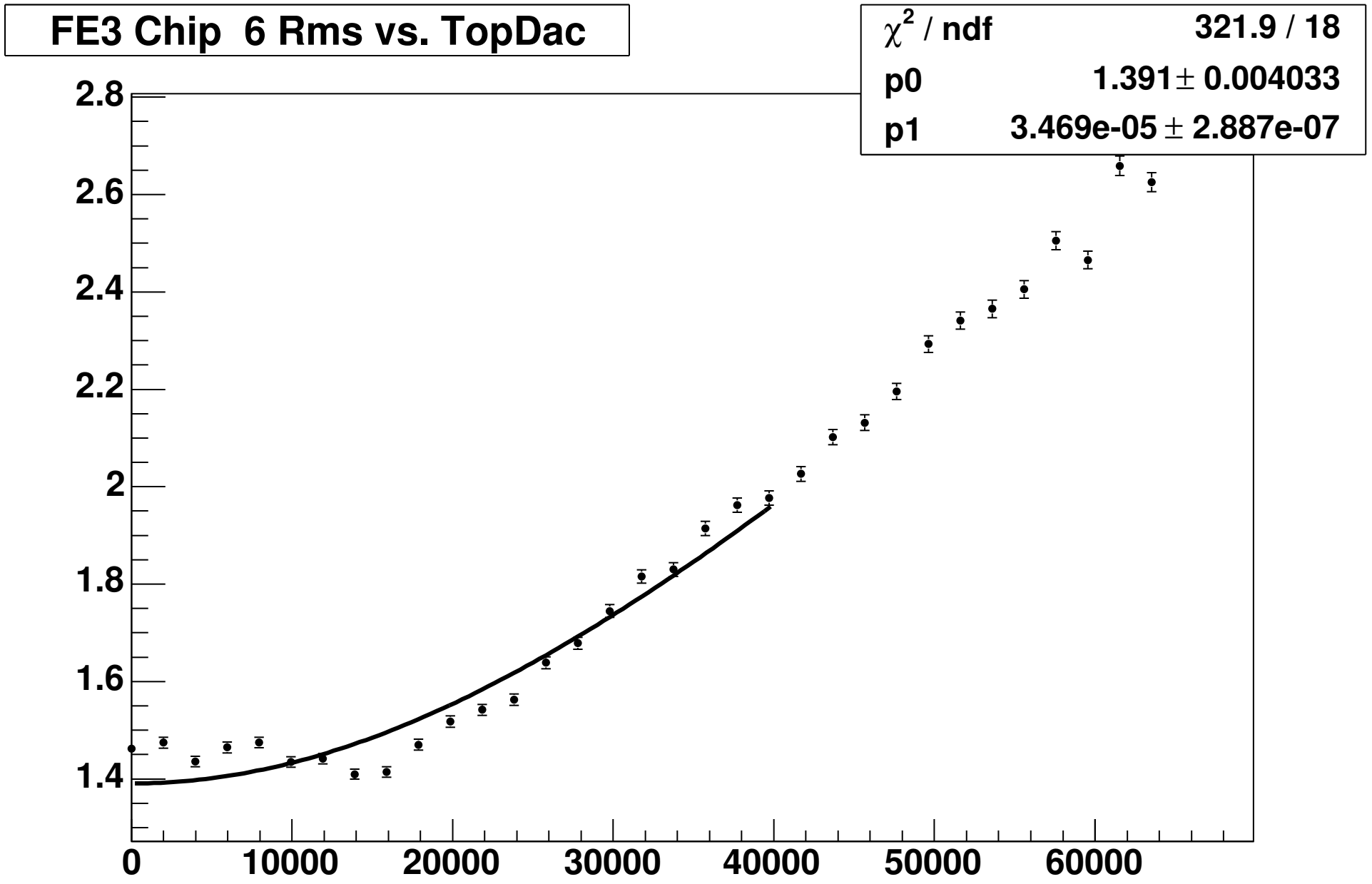
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 321.9 / 18
p0 1.391 ± 0.004033
p1 3.469e-05 ± 2.887e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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40000
50000
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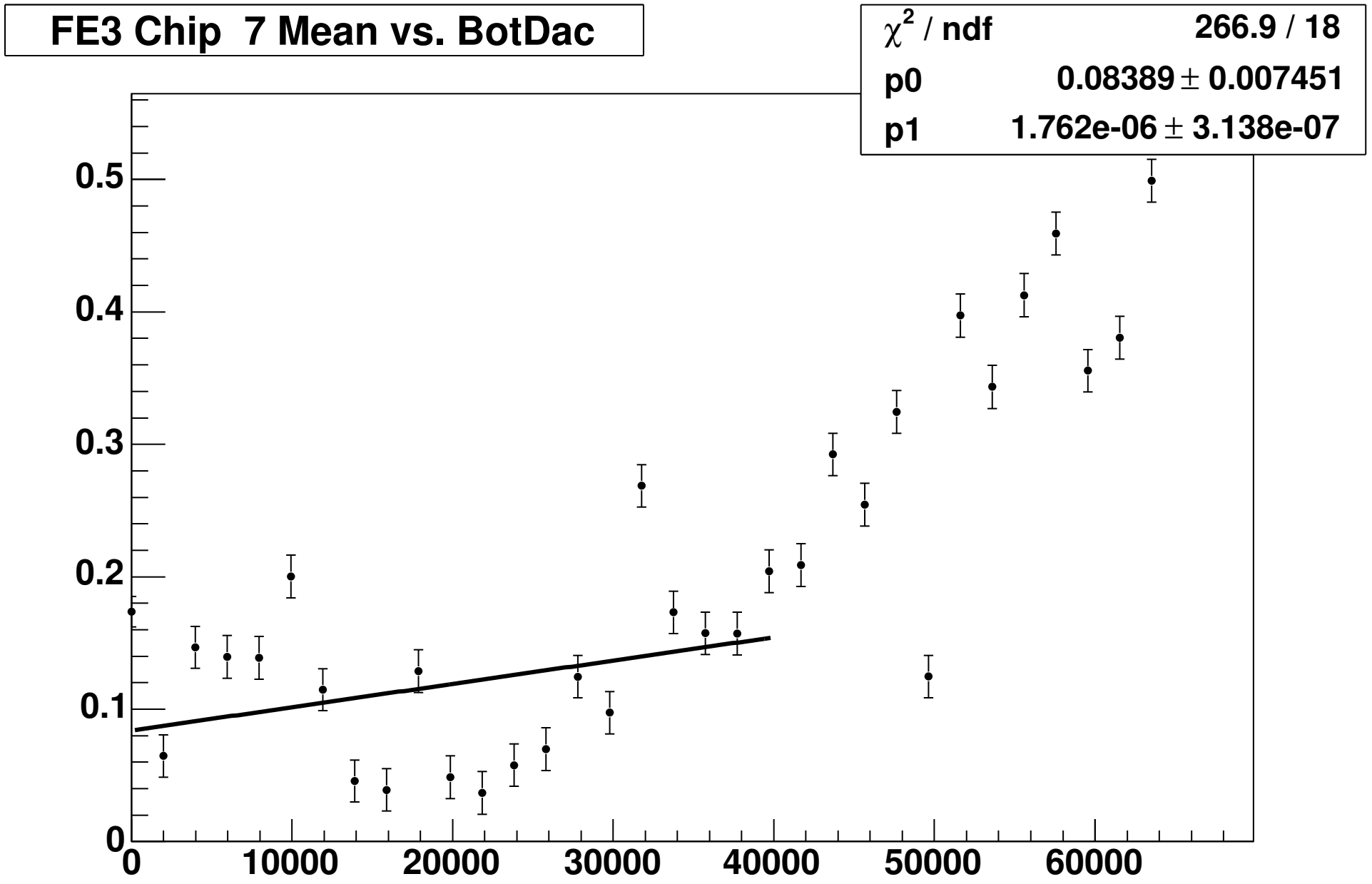
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 266.9 / 18
p0 0.08389 ± 0.007451
p1 1.762e-06 ± 3.138e-07
0.5
0.4
0.3
0.2
0.1
0
0
10000
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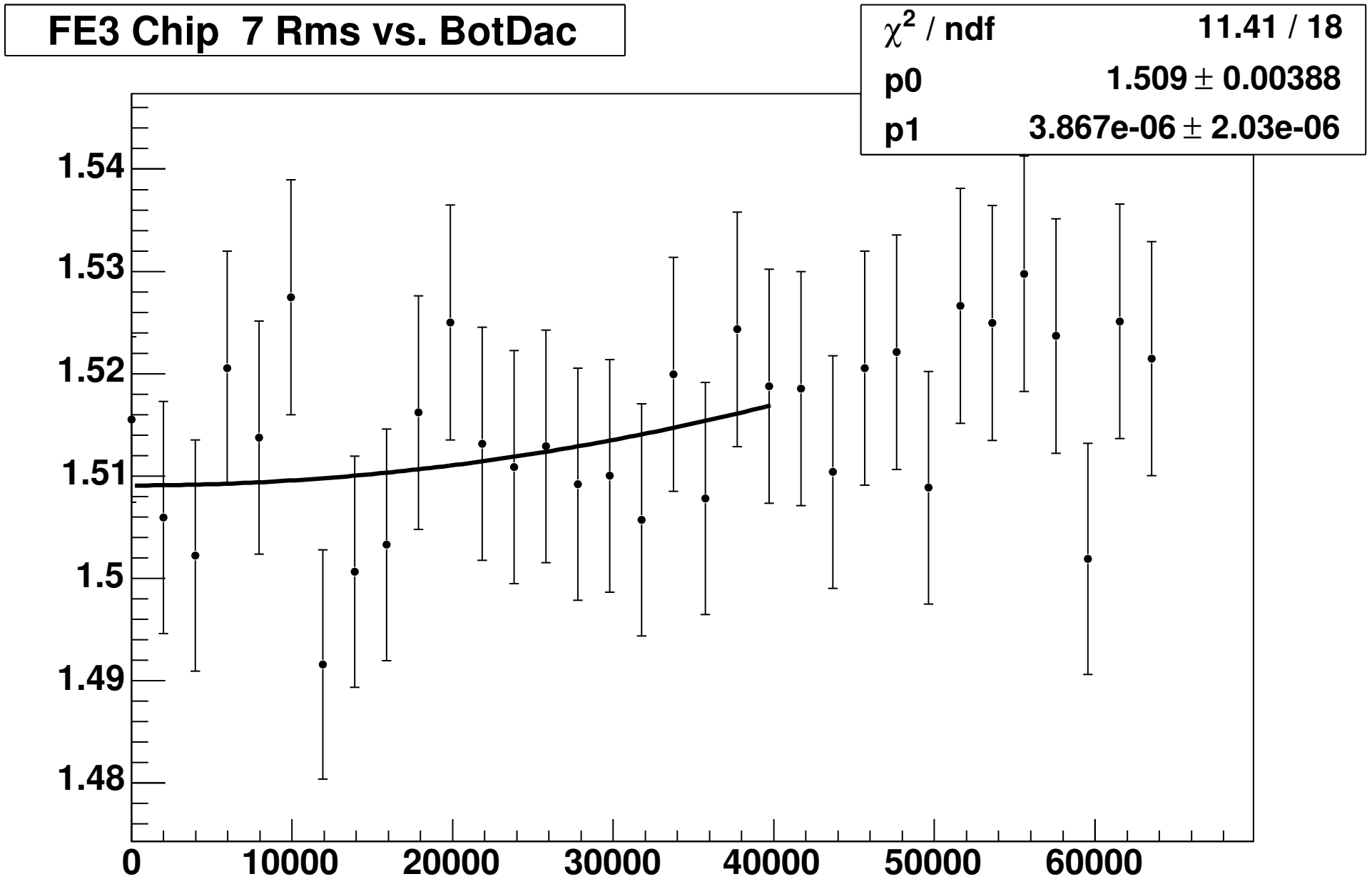
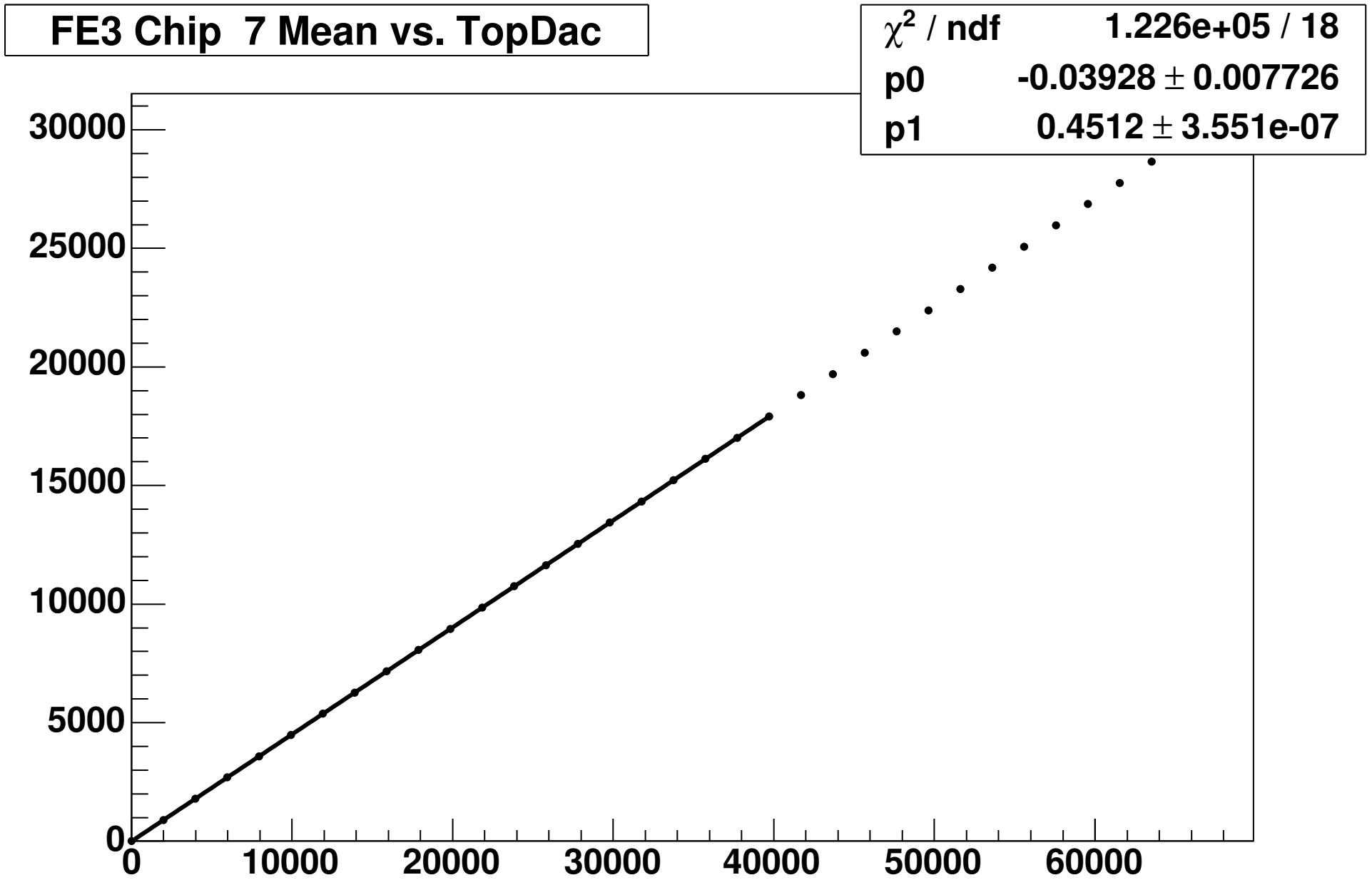
30000
40000
50000
60000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 11.41 / 18
p0 1.509 ± 0.00388
p1 3.867e-06 ± 2.03e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.226e+05 / 18
p0 -0.03928 ± 0.007726
p1 0.4512 ± 3.551e-07
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25000
20000
15000
10000
5000
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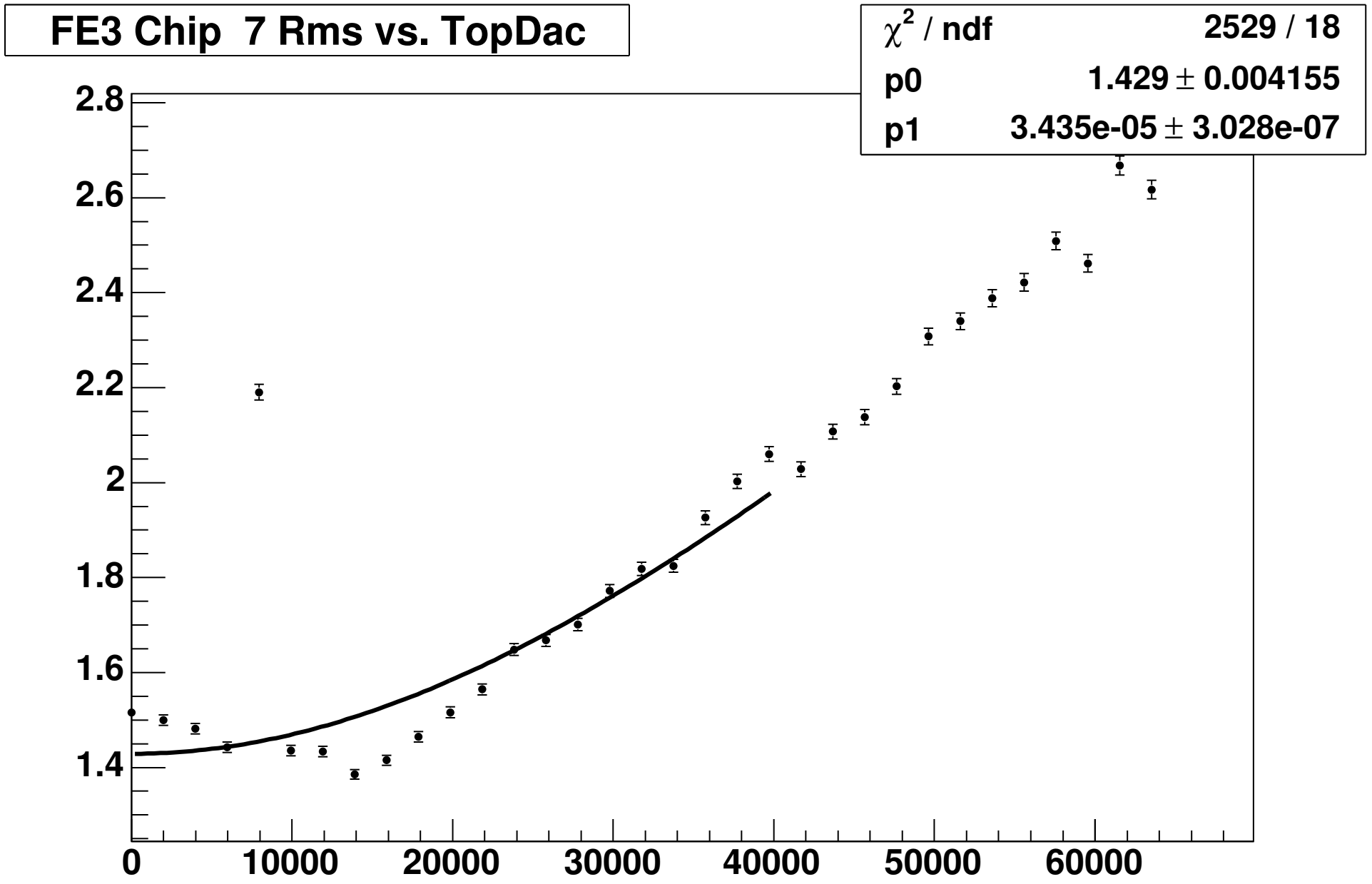
0
10000
20000
30000
40000
50000
60000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 2529 / 18
p0 1.429 ± 0.004155
p1 3.435e-05 ± 3.028e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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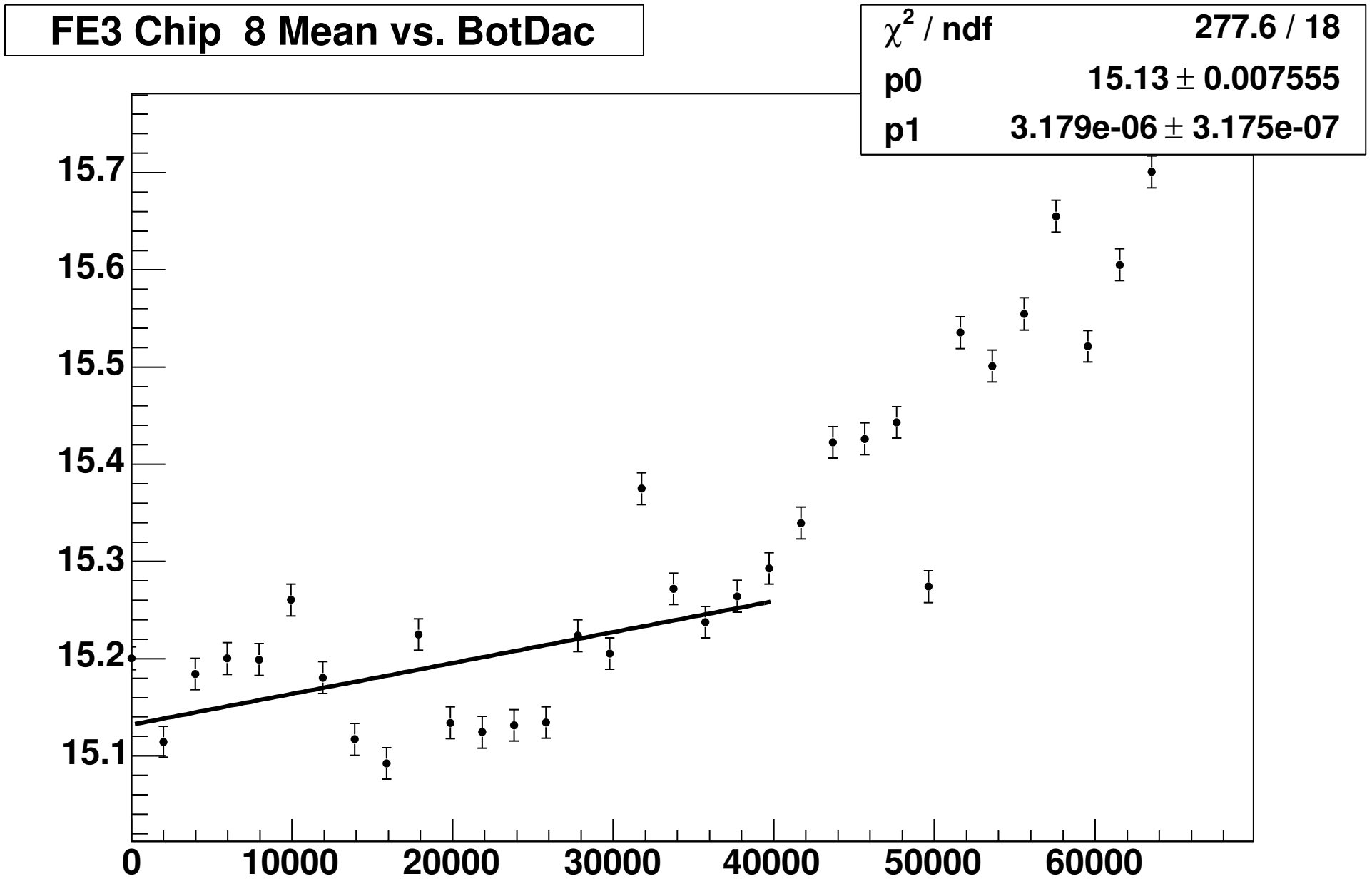
FE3 Chip 8 Mean vs. BotDac
χ² / ndf 277.6 / 18
p0 15.13 ± 0.007555
p1 3.179e-06 ± 3.175e-07
15.7
15.6
15.5
15.4
15.3
15.2
15.1
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10000
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30000
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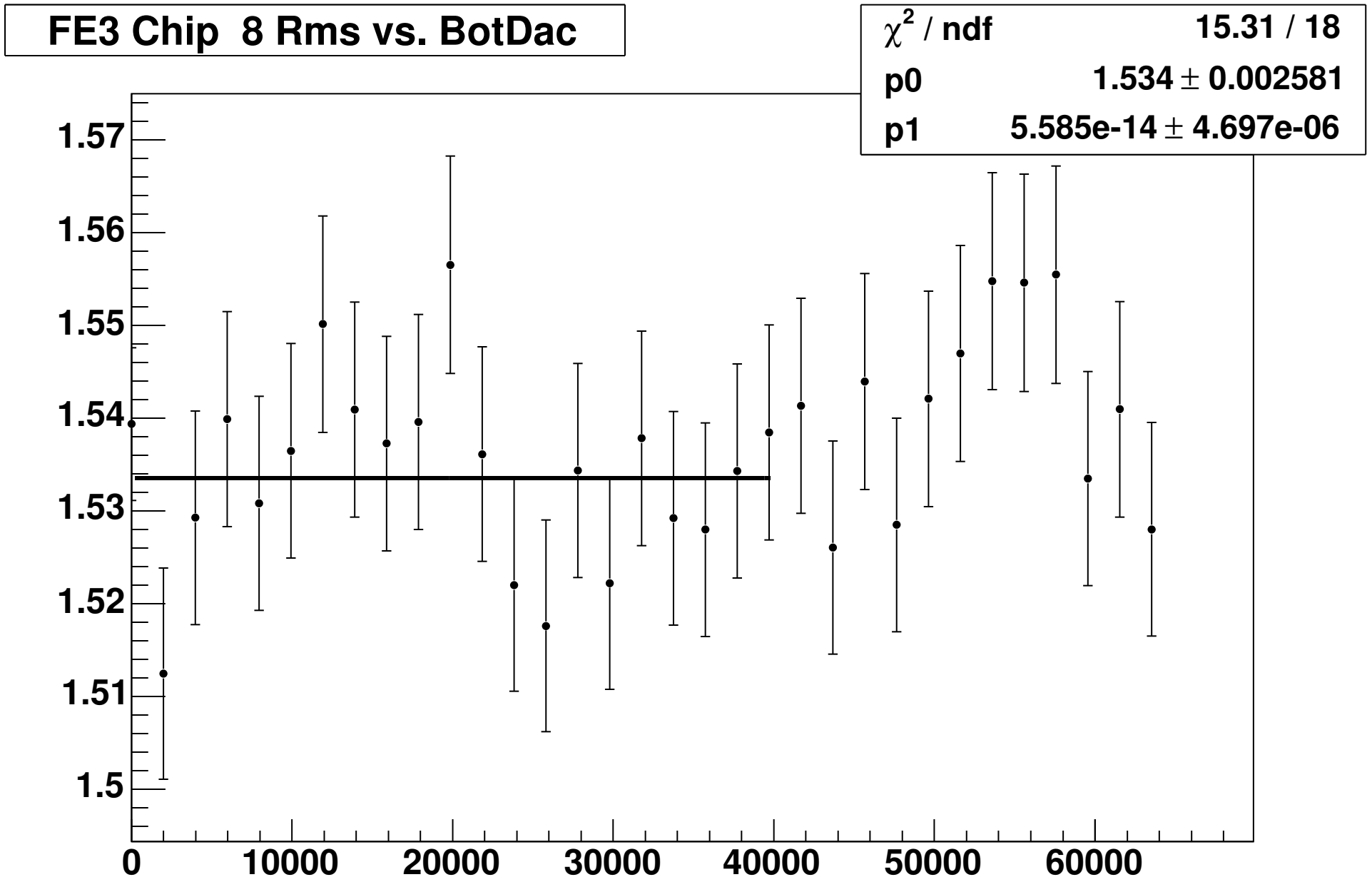
50000
60000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 15.31 / 18
p0 1.534 ± 0.002581
p1 5.585e-14 ± 4.697e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
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30000
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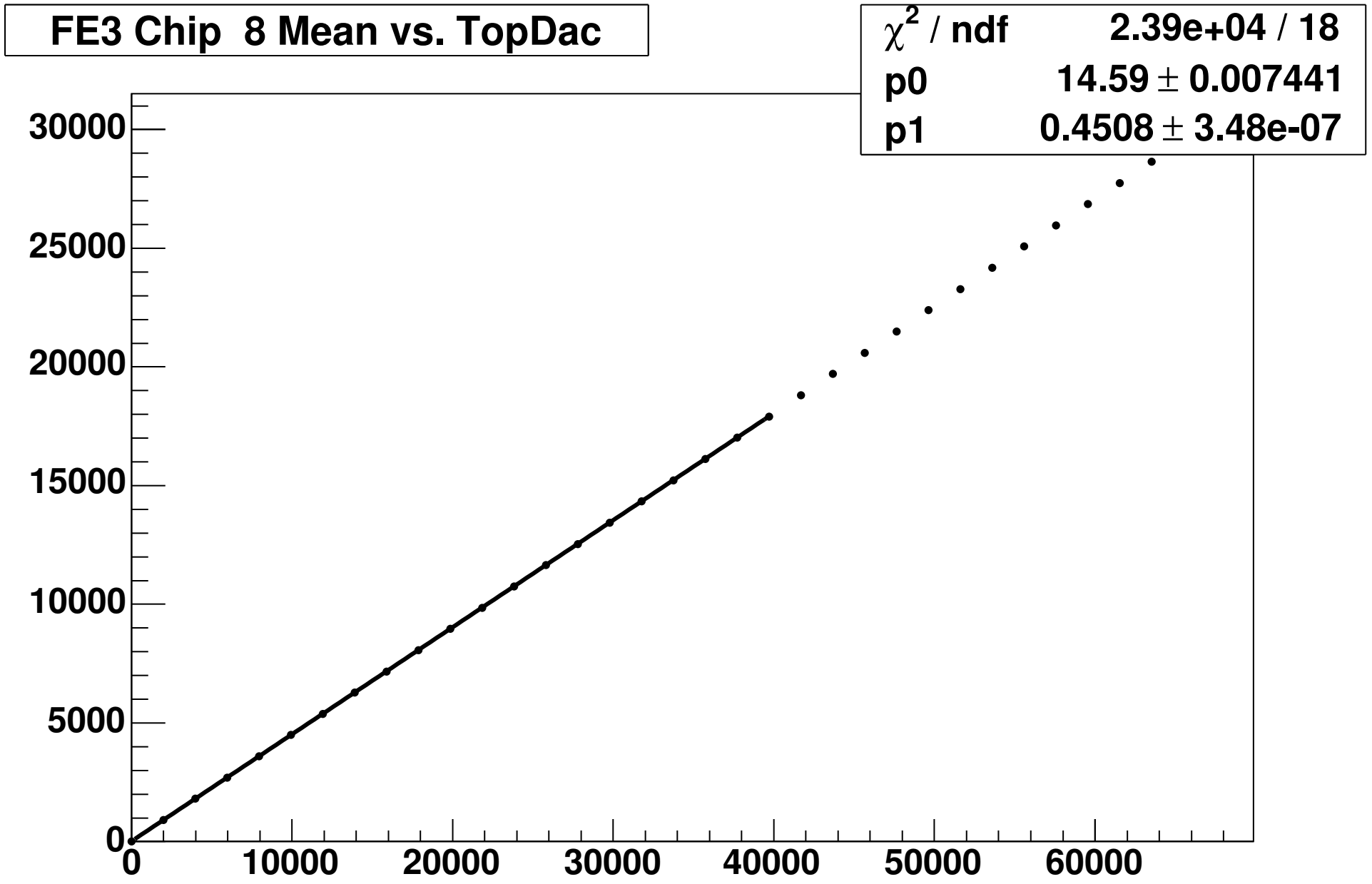
FE3 Chip 8 Mean vs. TopDac
χ² / ndf 2.39e+04 / 18
p0 14.59 ± 0.007441
p1 0.4508 ± 3.48e-07
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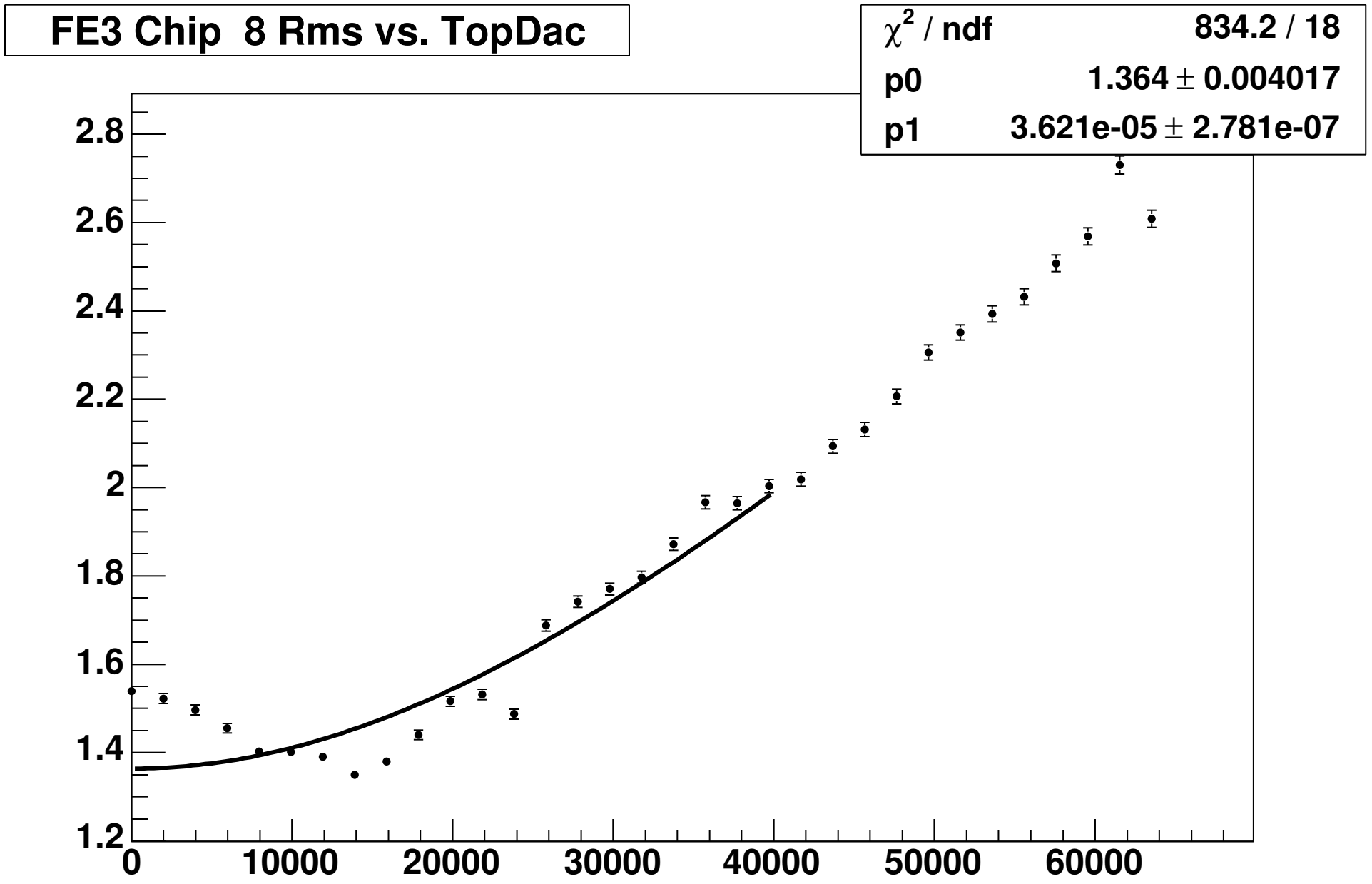
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 834.2 / 18
p0 1.364 ± 0.004017
p1 3.621e-05 ± 2.781e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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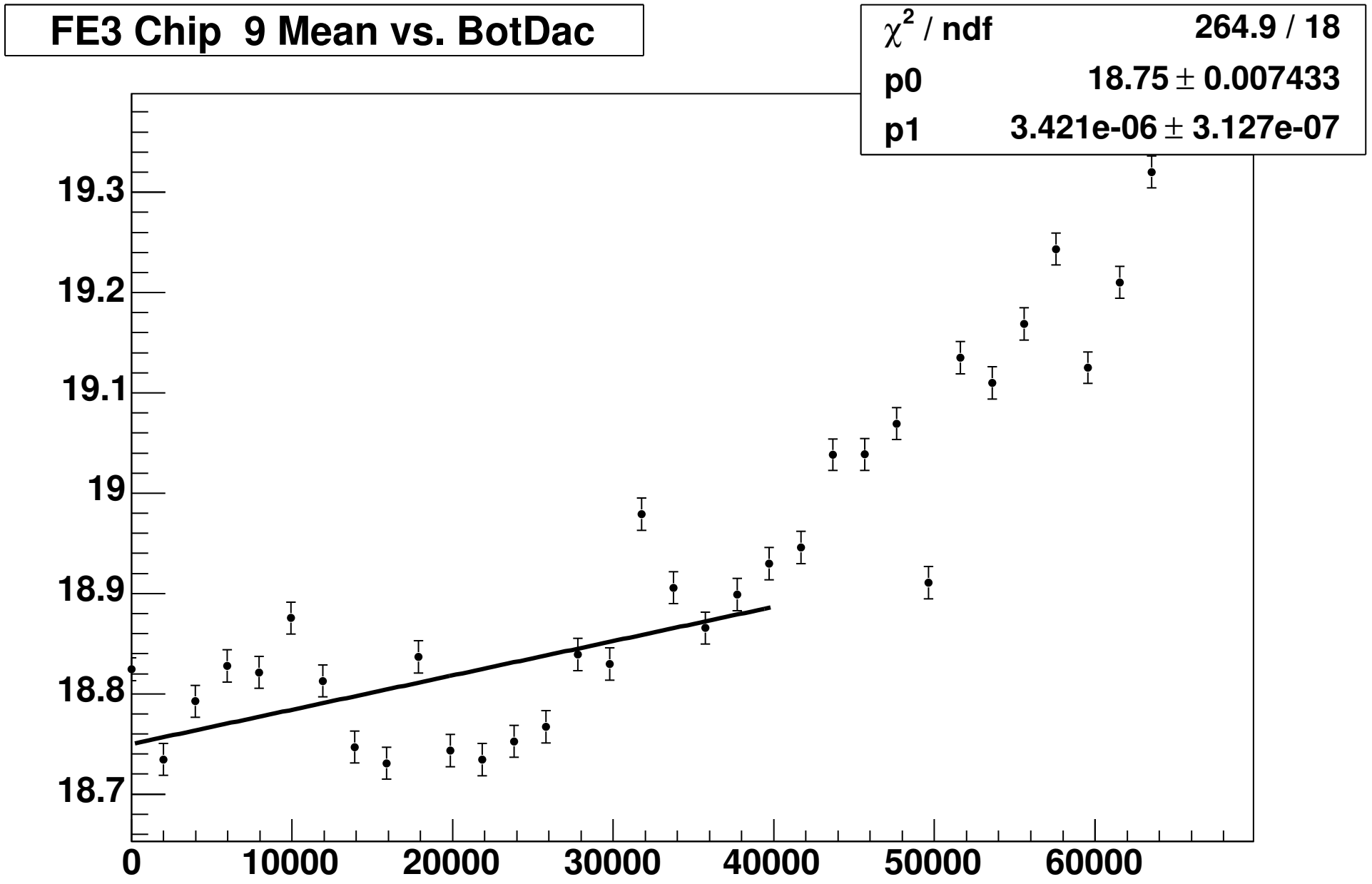
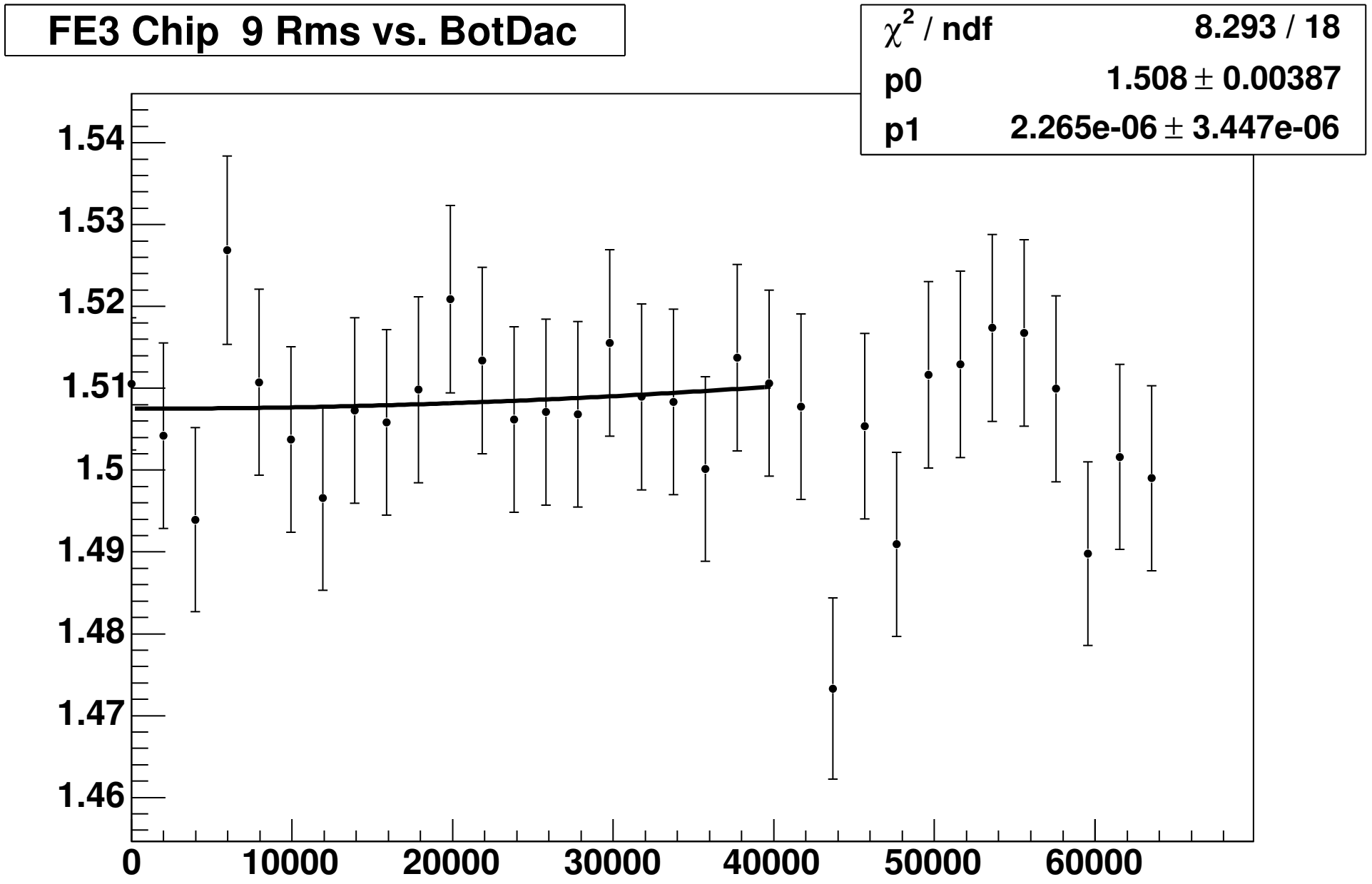

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 264.9 / 18
p0 18.75 ± 0.007433
p1 3.421e-06 ± 3.127e-07
19.3
19.2
19.1
19
18.9
18.8
18.7
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 8.293 / 18
p0 1.508 ± 0.00387
p1 2.265e-06 ± 3.447e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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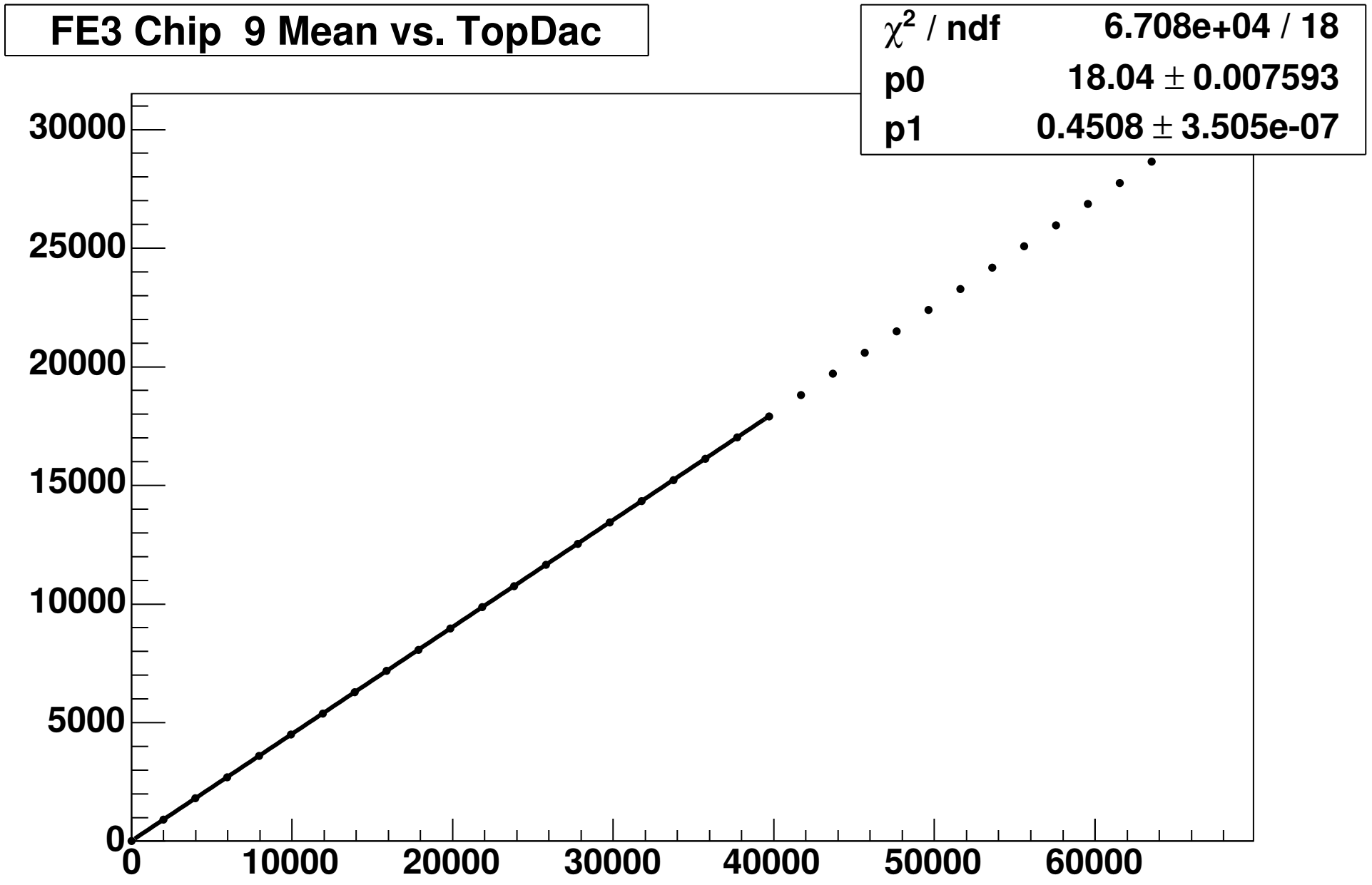
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 6.708e+04 / 18
p0 18.04 ± 0.007593
p1 0.4508 ± 3.505e-07
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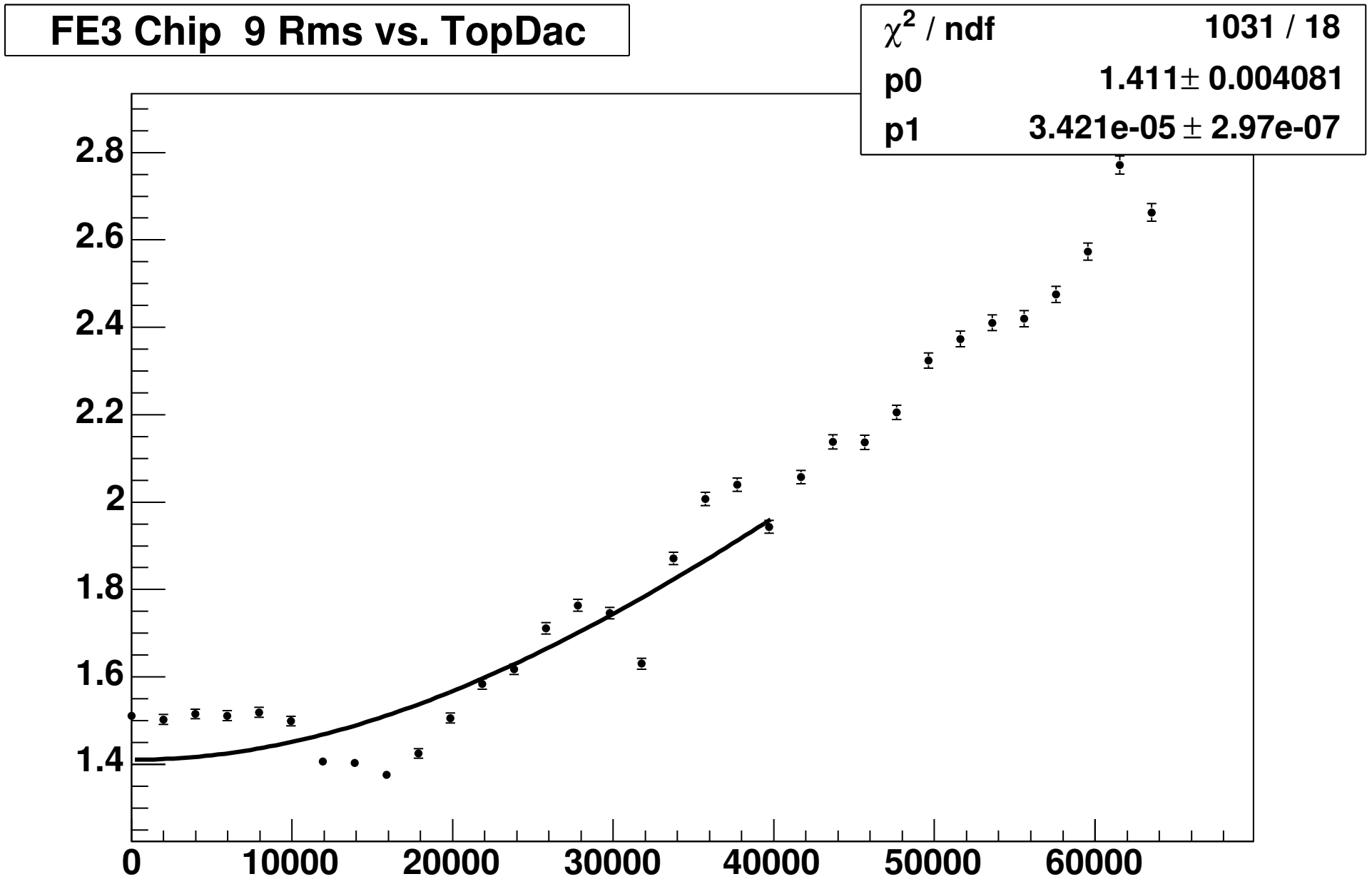
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1031 / 18
p0 1.411 ± 0.004081
p1 3.421e-05 ± 2.97e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
20000
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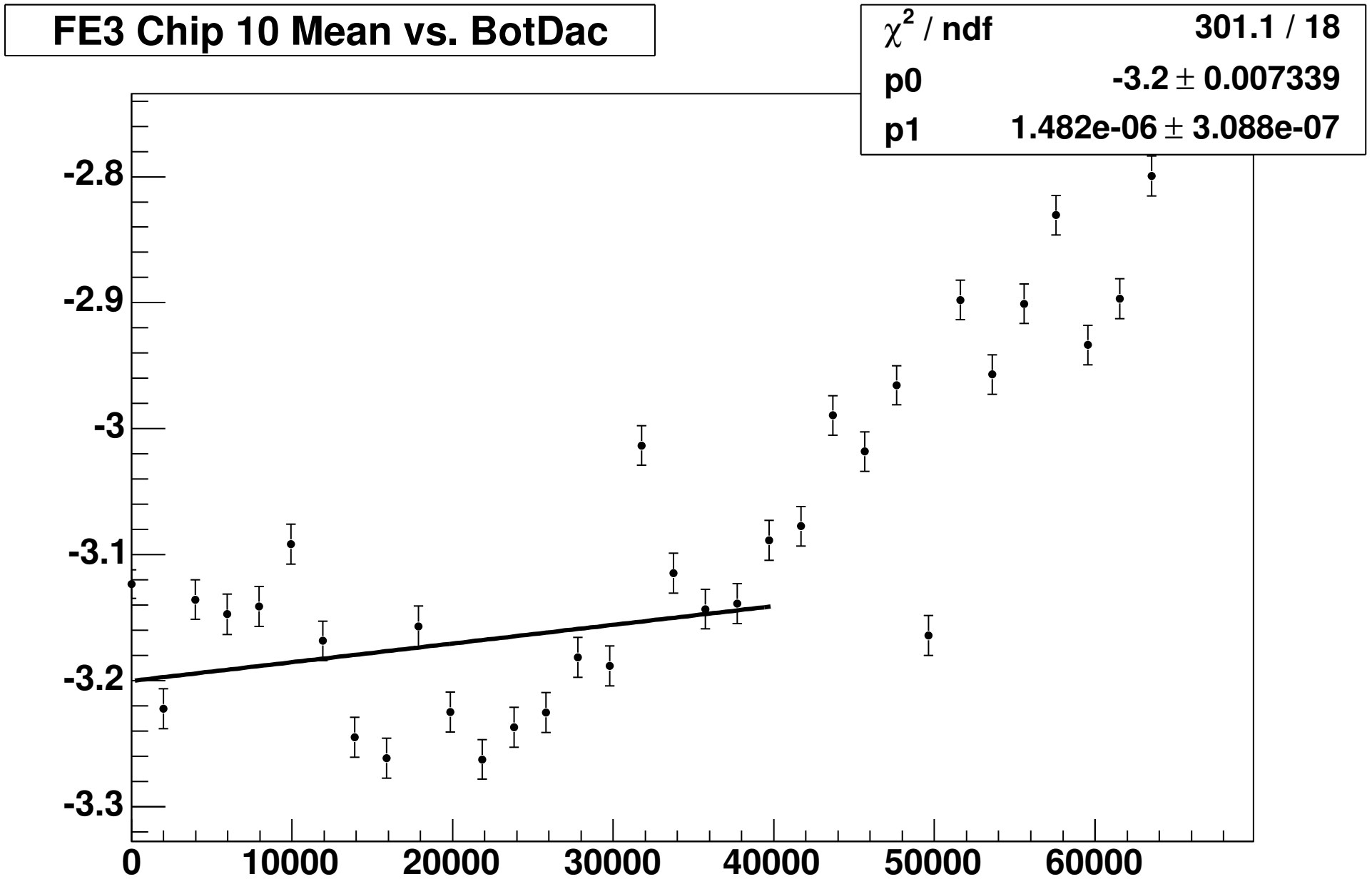
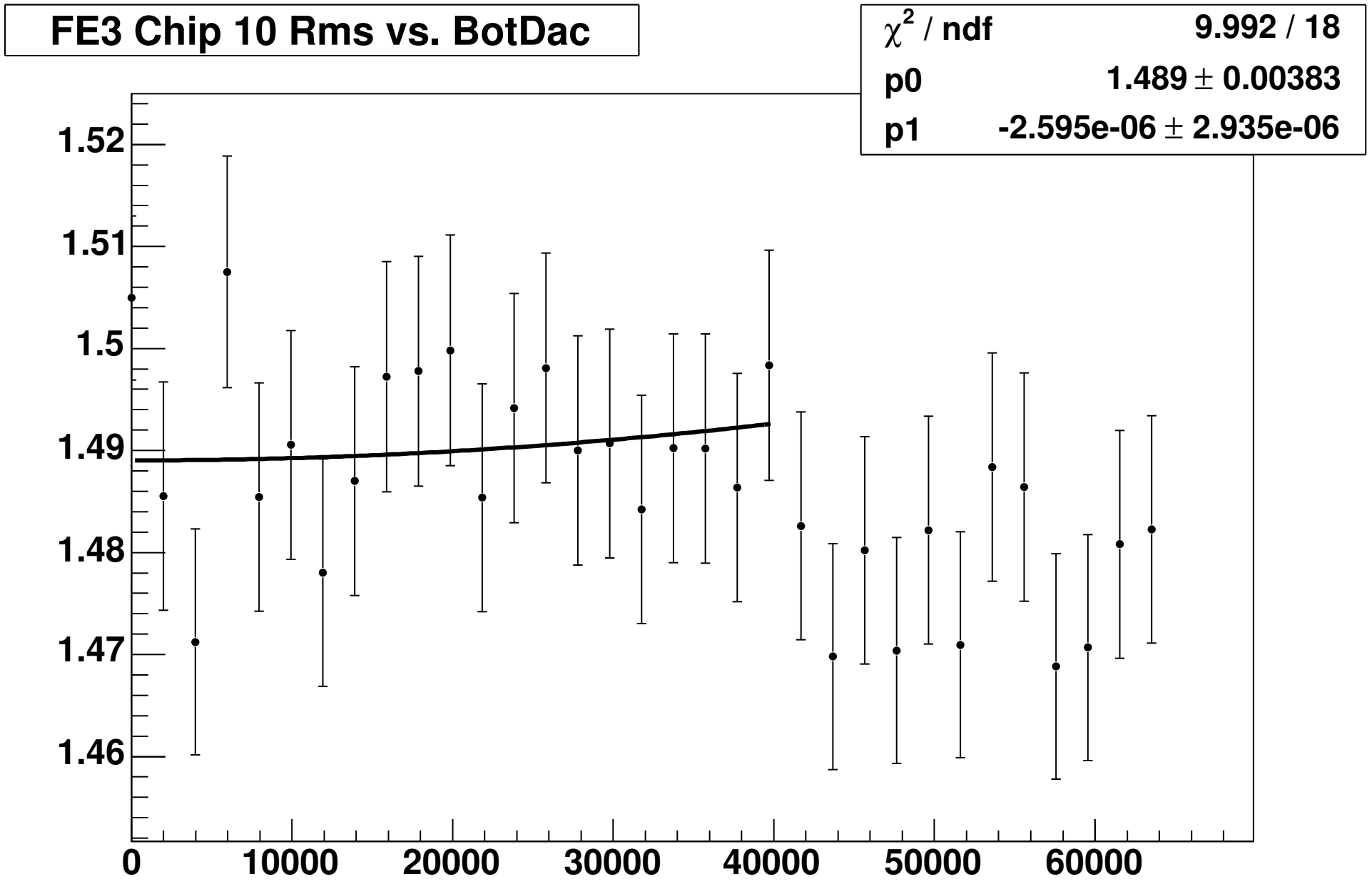
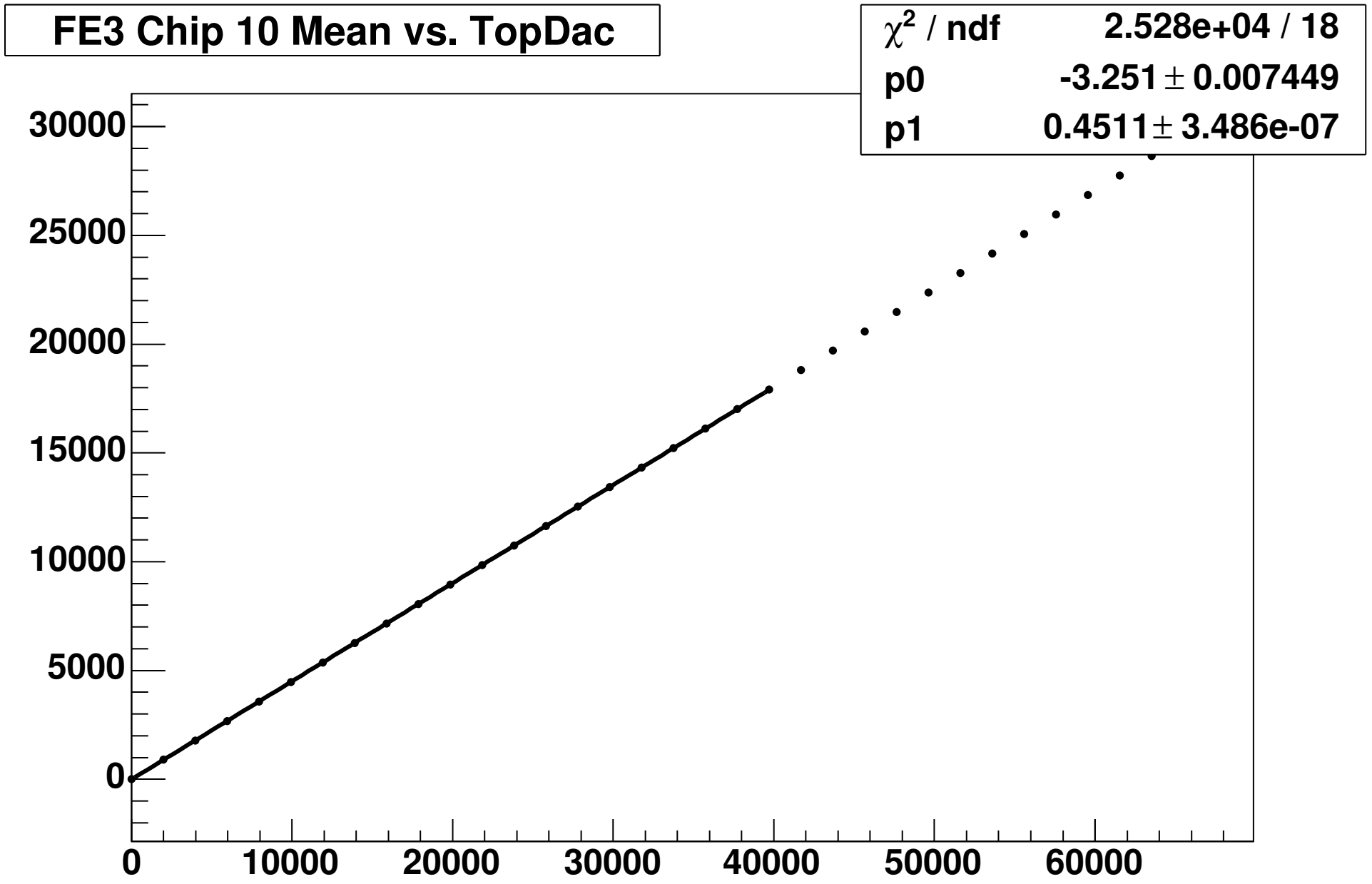

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 301.1 / 18
p0 -3.2 ± 0.007339
p1 1.482e-06 ± 3.088e-07
-2.8
-2.9
-3
-3.1
-3.2
-3.3
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 9.992 / 18
p0 1.489 ± 0.00383
p1 -2.595e-06 ± 2.935e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 2.528e+04 / 18
p0 -3.251 ± 0.007449
p1 0.4511 ± 3.486e-07
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25000
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15000
10000
5000
0
0
10000
20000
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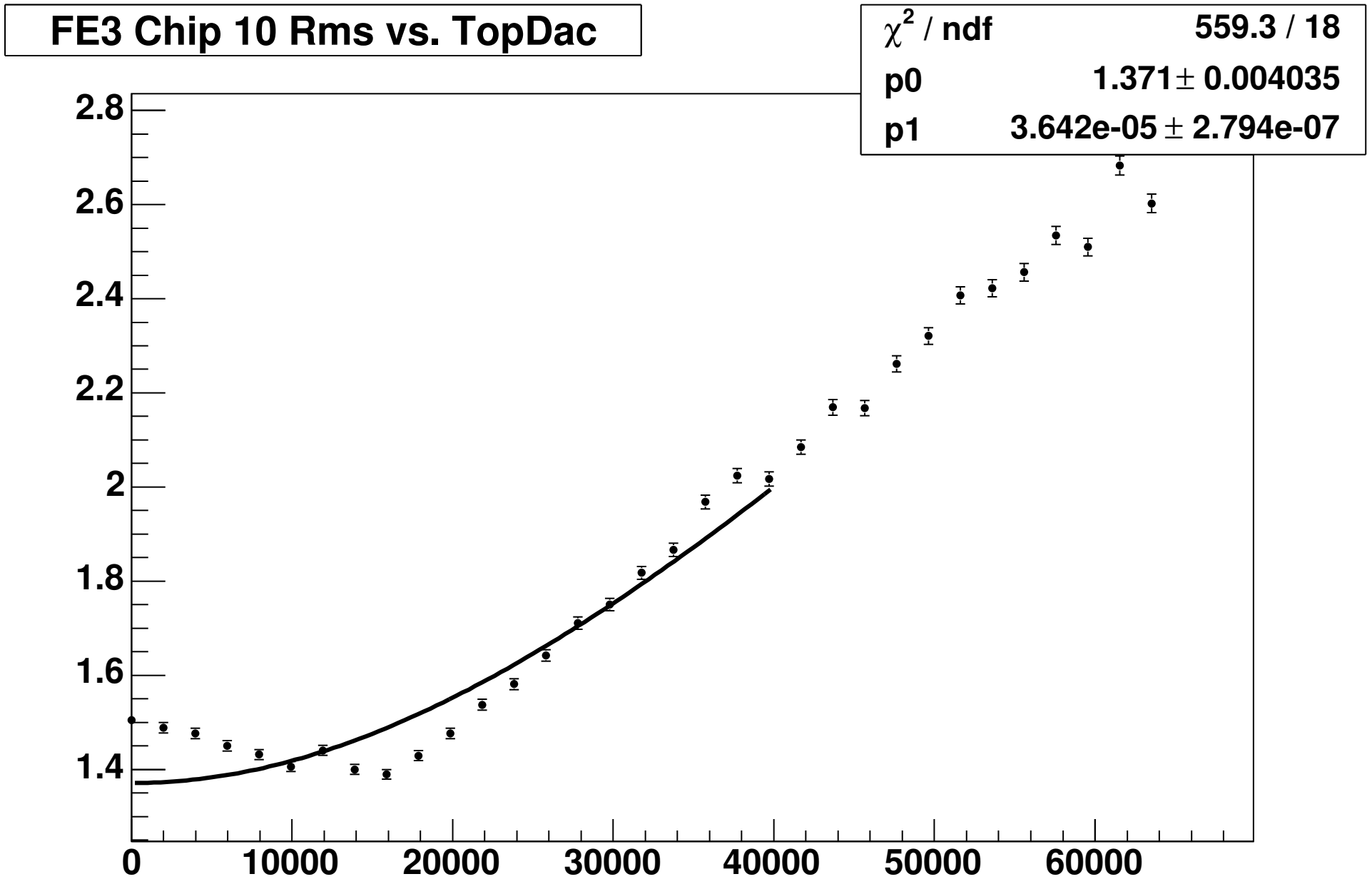
40000
50000
60000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 559.3 / 18
p0 1.371 ± 0.004035
p1 3.642e-05 ± 2.794e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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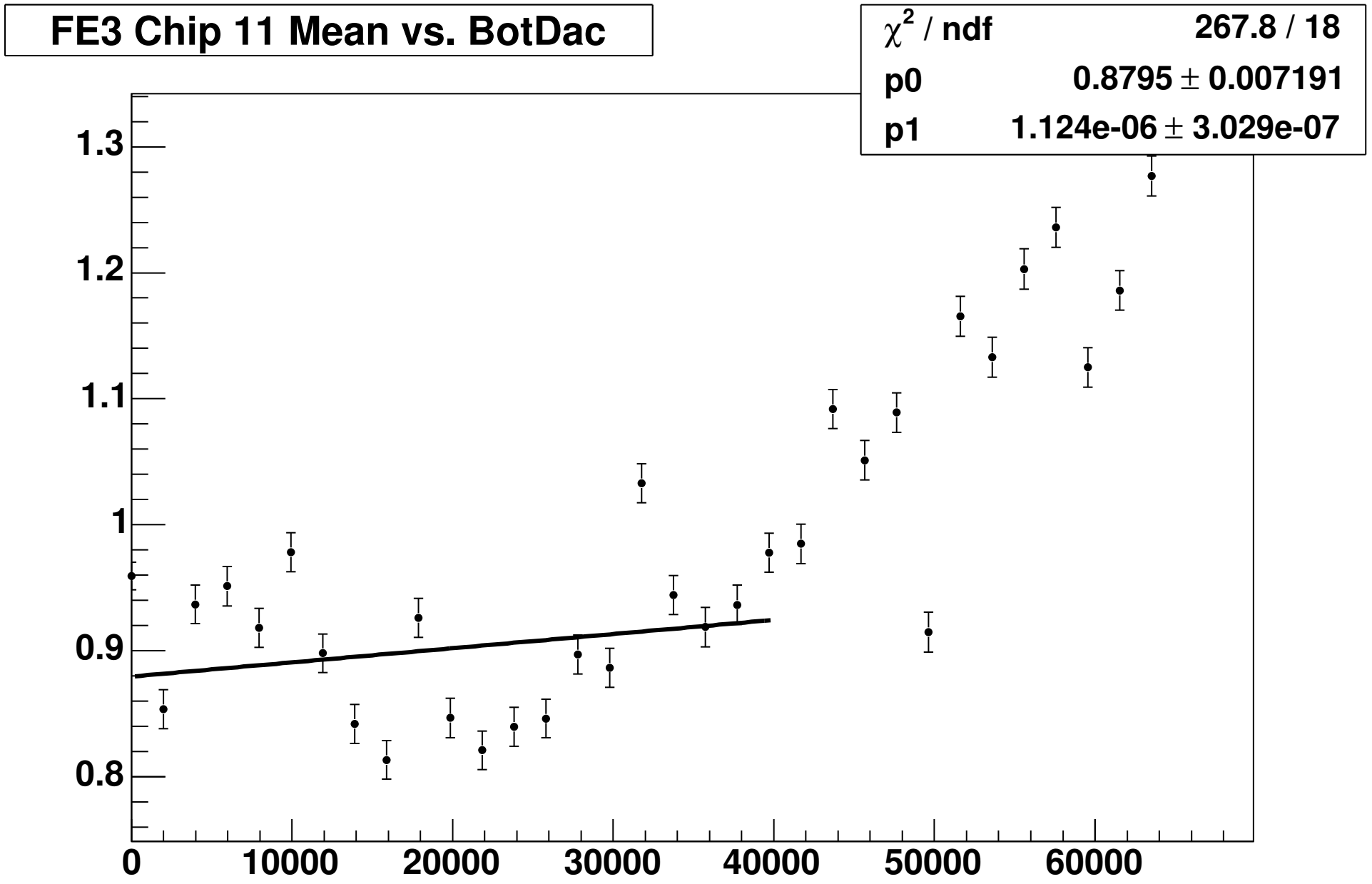
FE3 Chip 11 Mean vs. BotDac
χ² / ndf 267.8 / 18
p0 0.8795 ± 0.007191
p1 1.124e-06 ± 3.029e-07
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1.2
1.1
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0.9
0.8
0
10000
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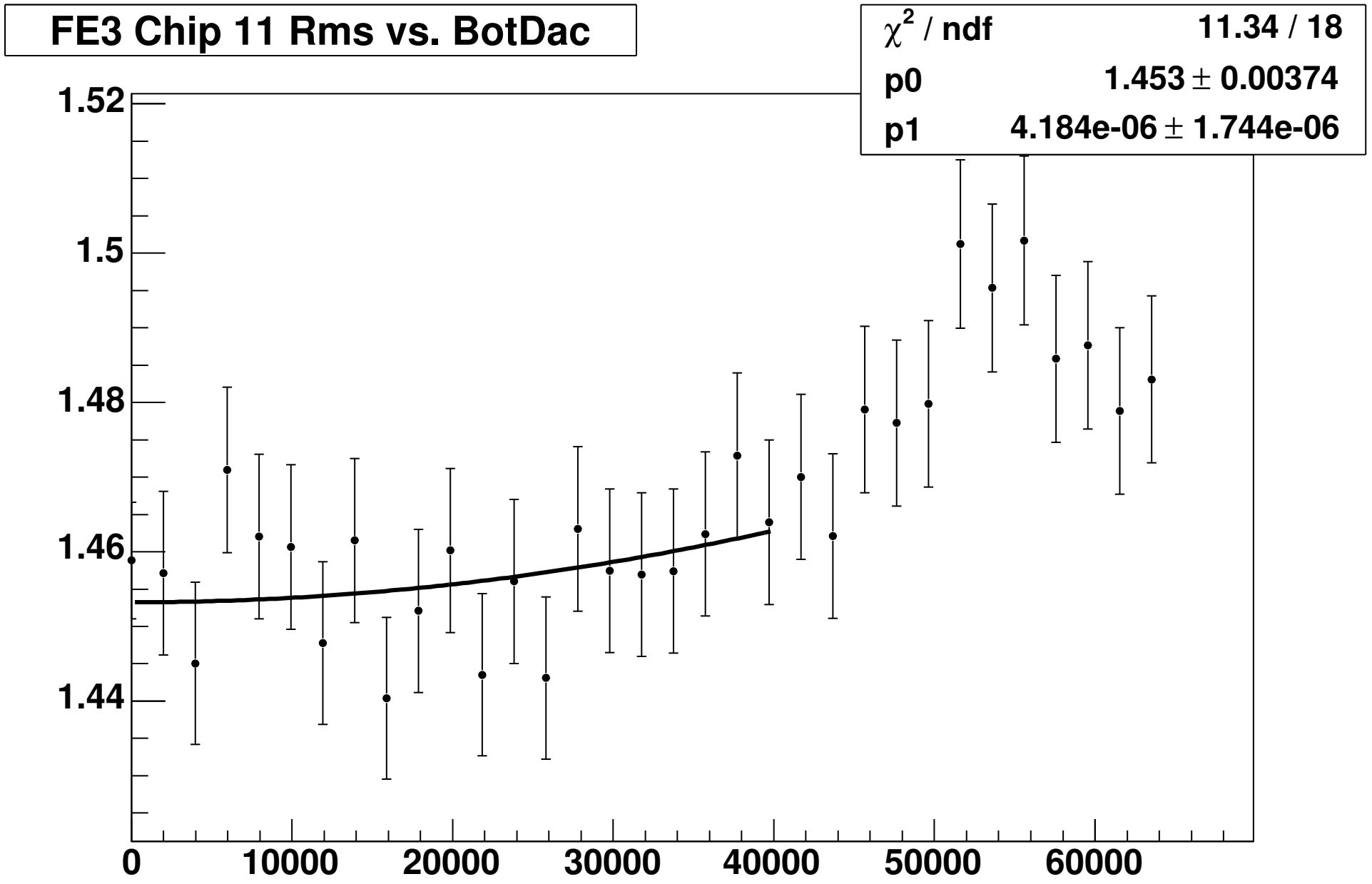
60000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 11.34 / 18
p0 1.453 ± 0.00374
p1 4.184e-06 ± 1.744e-06
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1.5
1.48
1.46
1.44
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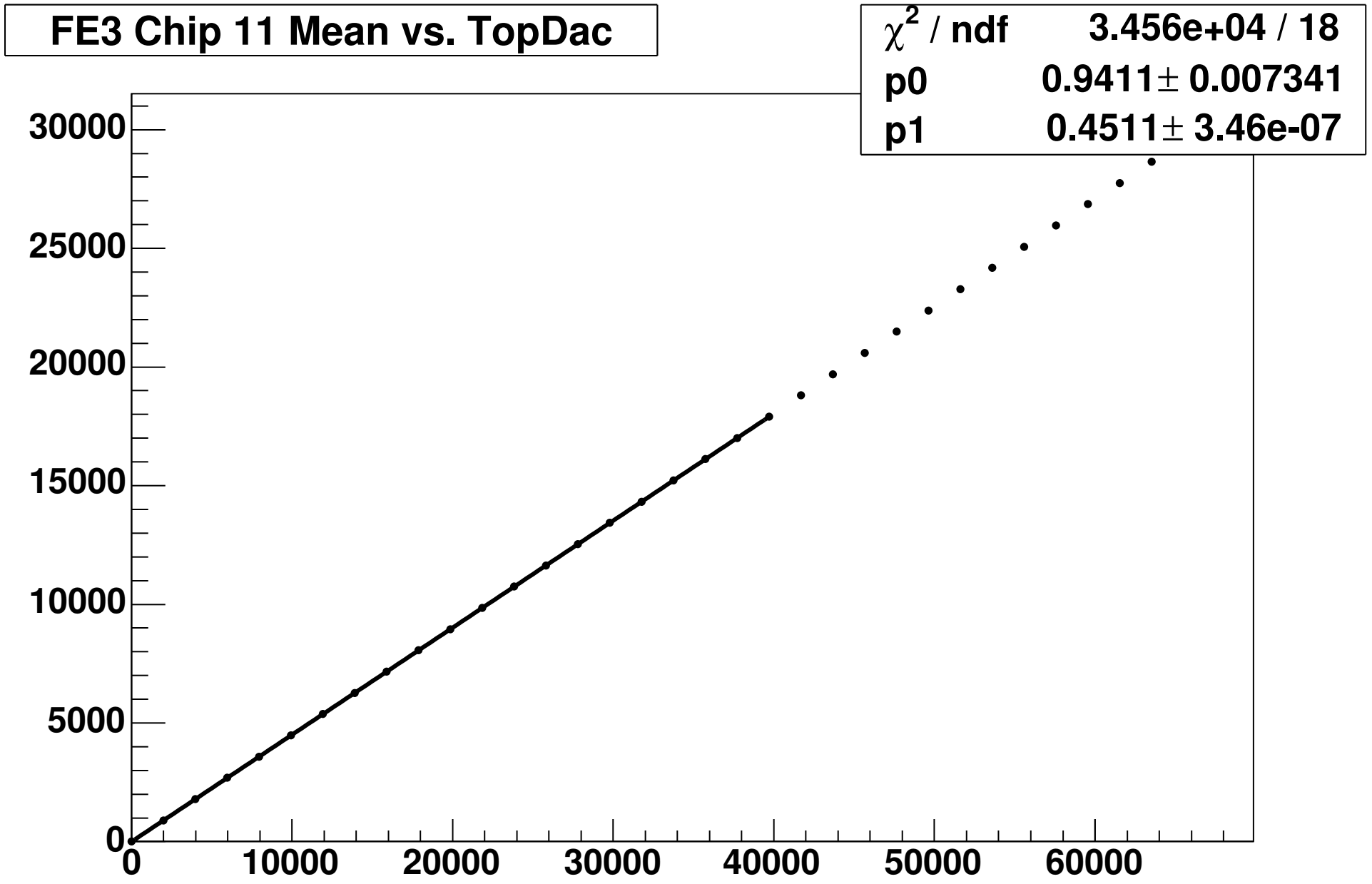
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 3.456e+04 / 18
p0 0.9411 ± 0.007341
p1 0.4511 ± 3.46e-07
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5000
0
0
10000
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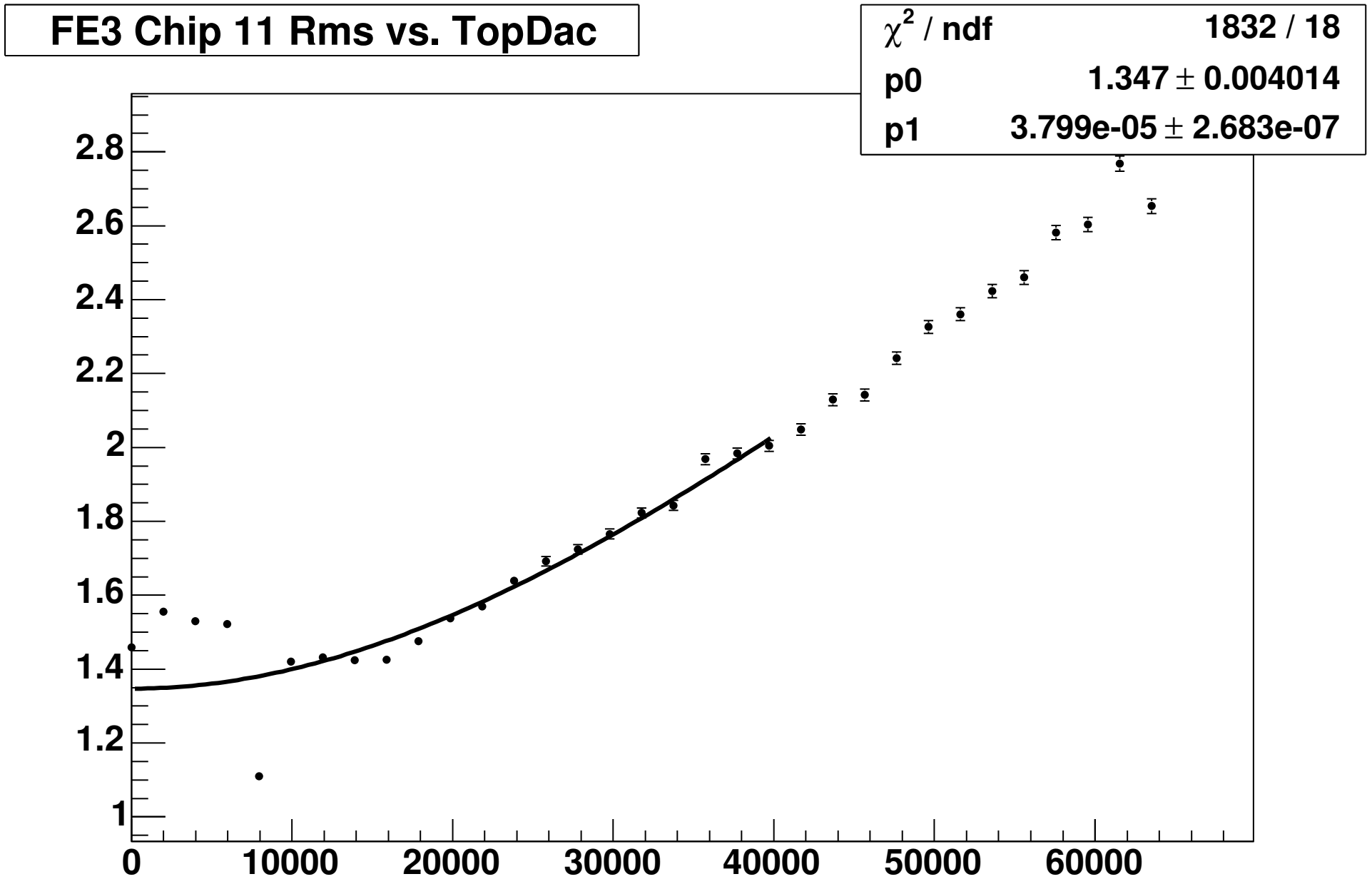
40000
50000
60000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1832 / 18
p0 1.347 ± 0.004014
p1 3.799e-05 ± 2.683e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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0
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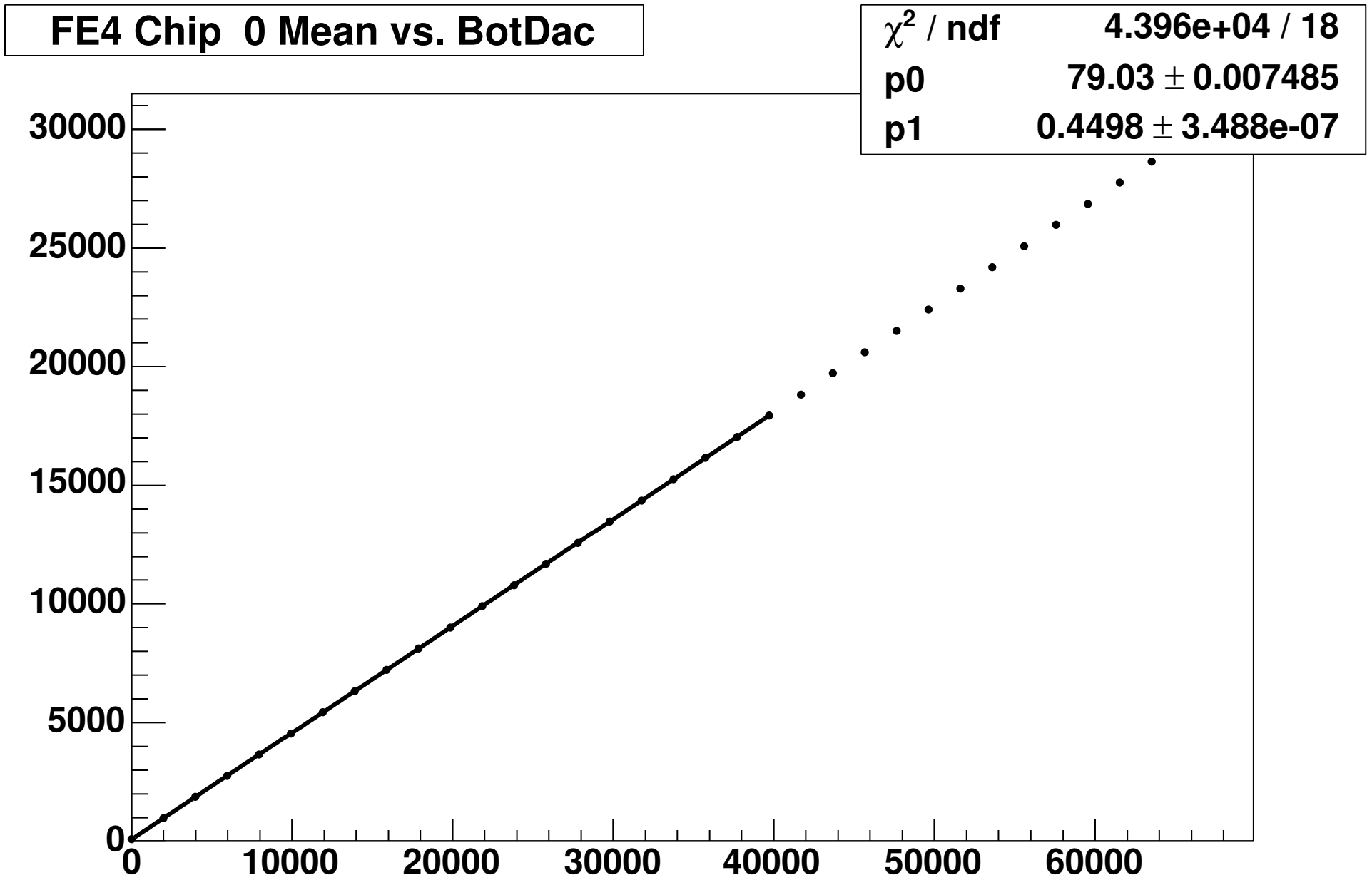
FE4 Chip 0 Mean vs. BotDac
χ² / ndf 4.396e+04 / 18
p0 79.03 ± 0.007485
p1 0.4498 ± 3.488e-07
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10000
5000
0
0
10000
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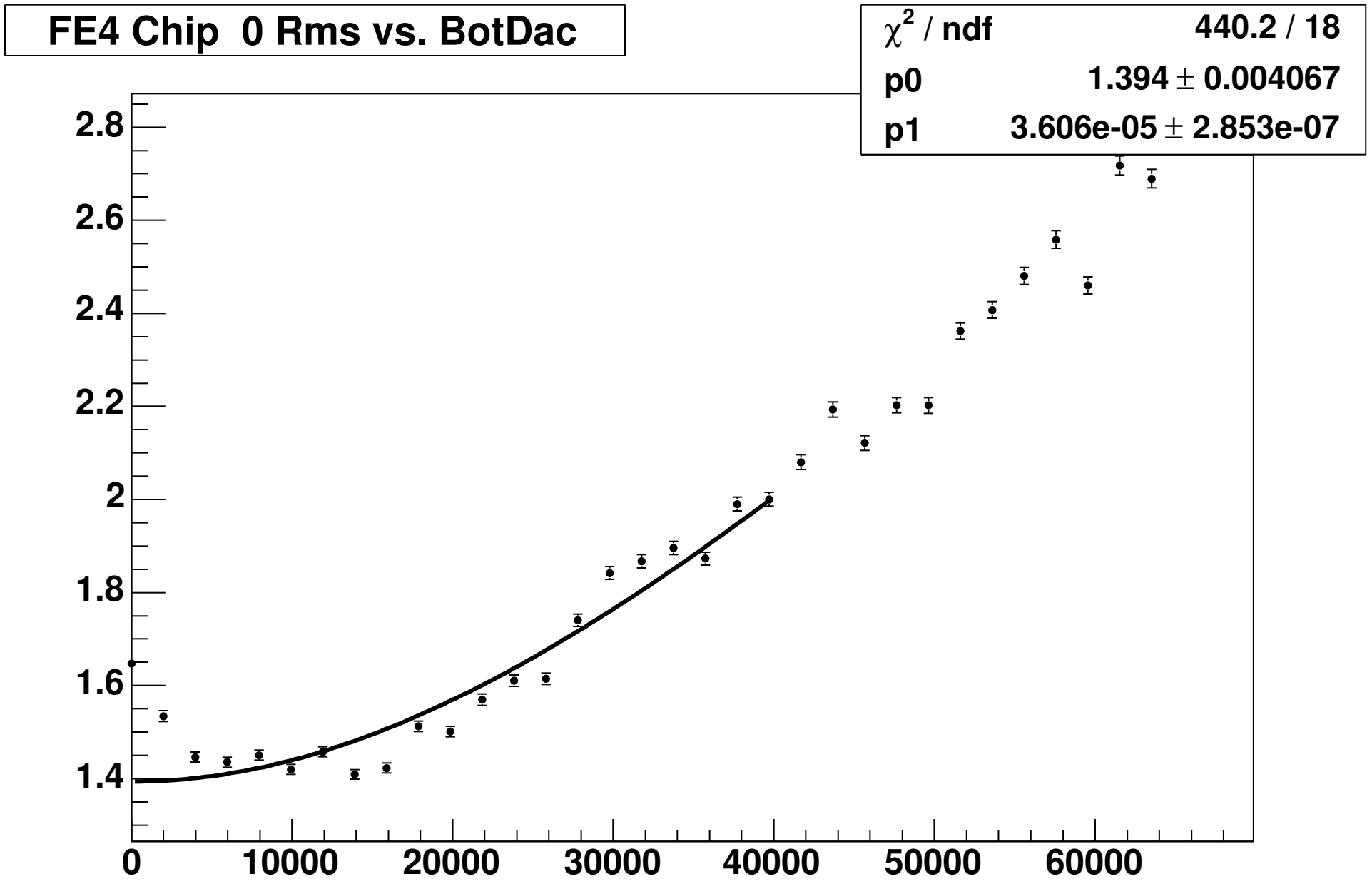
30000
40000
50000
60000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 440.2 / 18
p0 1.394 ± 0.004067
p1 3.606e-05 ± 2.853e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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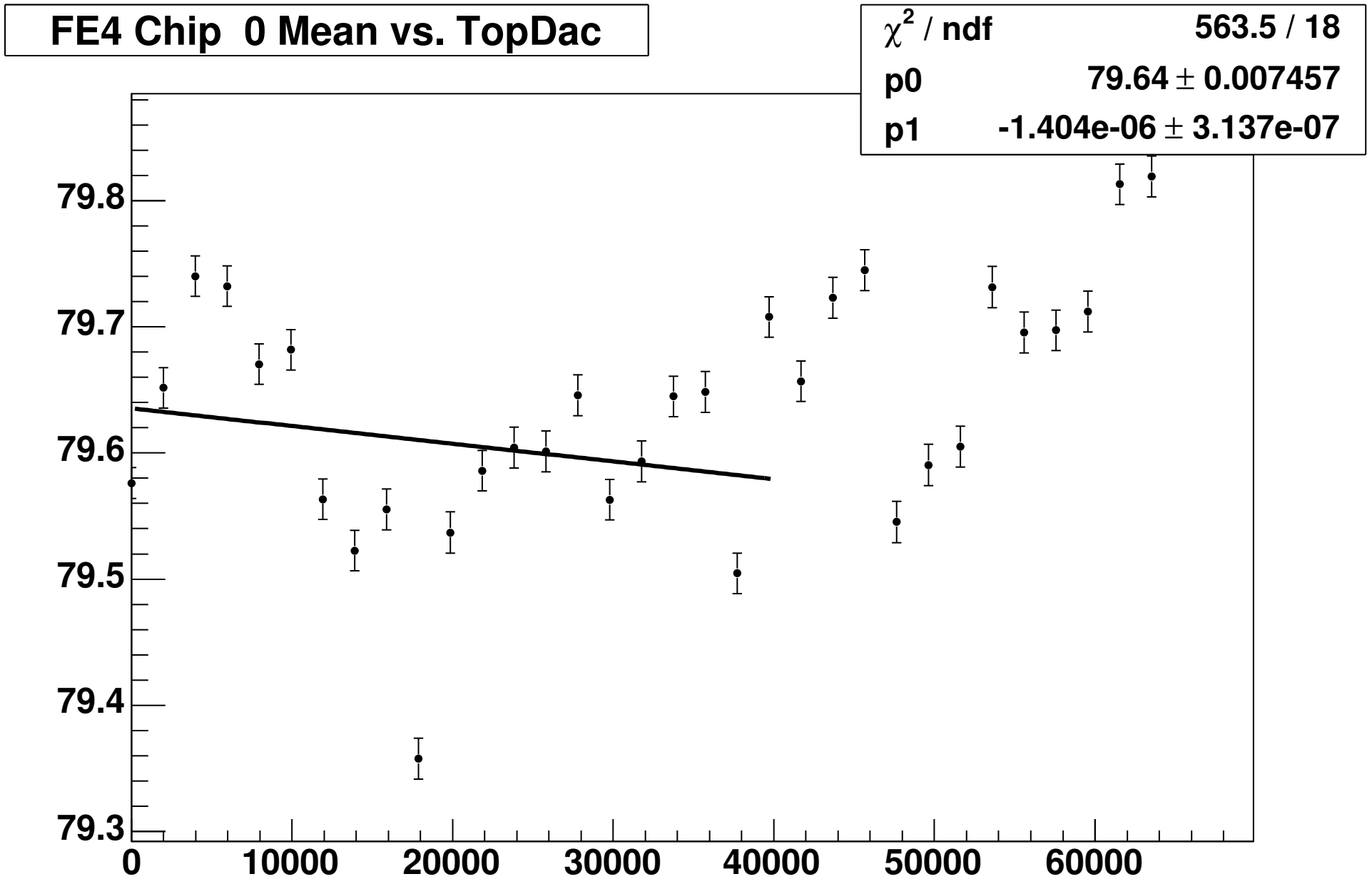
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 563.5 / 18
p0 79.64 ± 0.007457
p1 -1.404e-06 ± 3.137e-07
79.8
79.7
79.6
79.5
79.4
79.3
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10000
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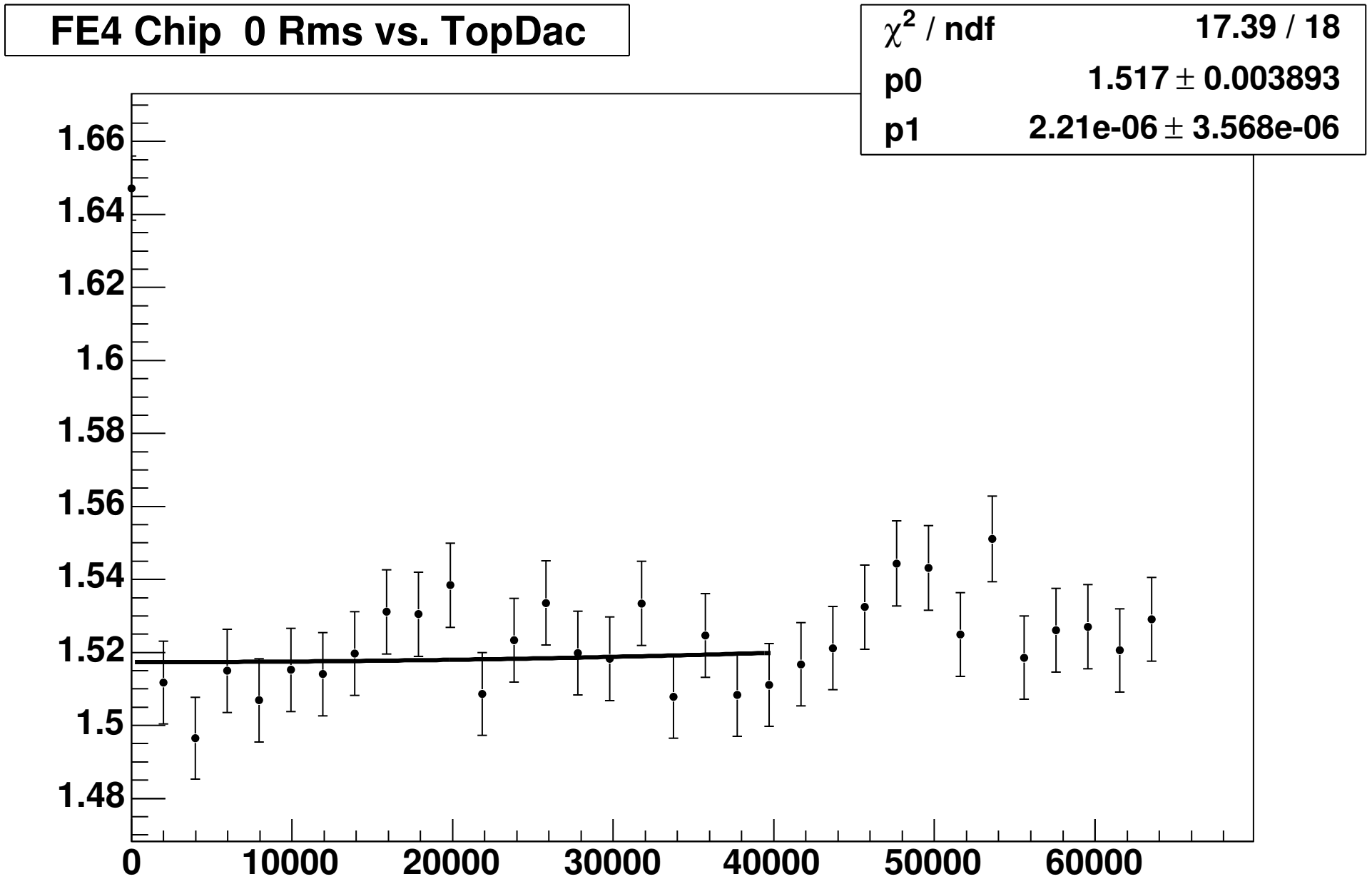
60000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 17.39 / 18
p0 1.517 ± 0.003893
p1 2.21e-06 ± 3.568e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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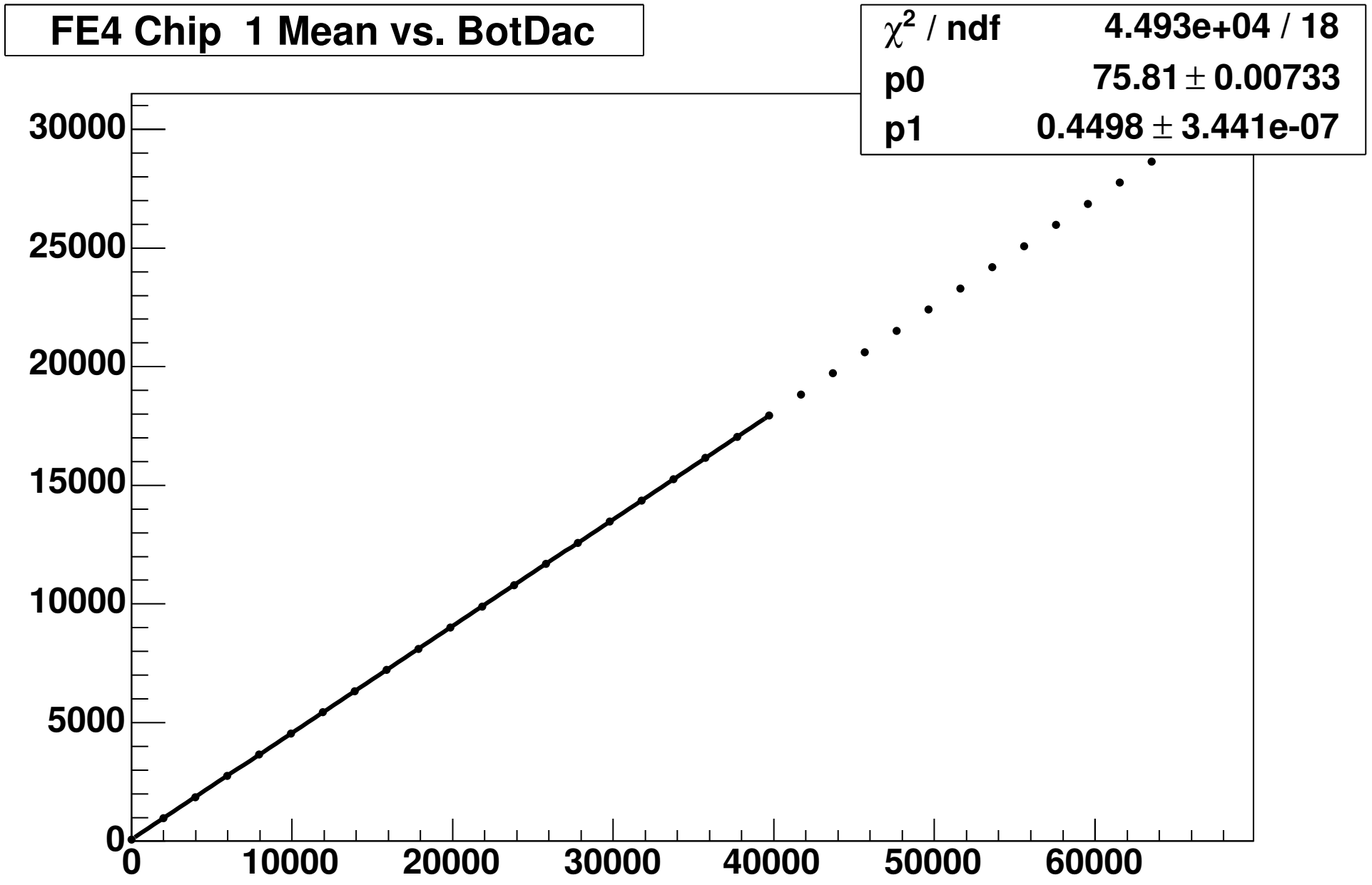
30000
40000
50000
60000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 4.493e+04 / 18
p0 75.81 ± 0.00733
p1 0.4498 ± 3.441e-07
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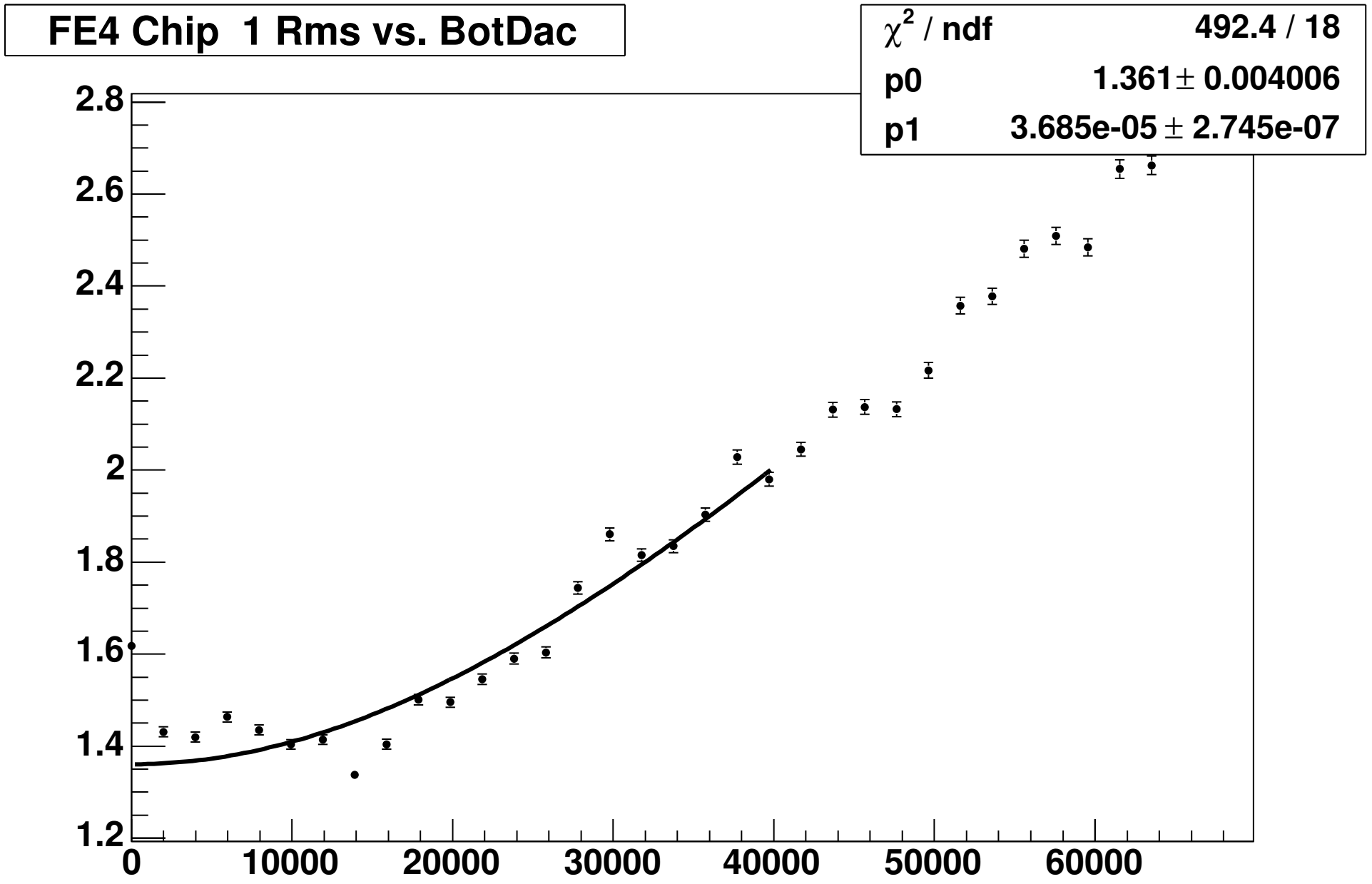
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 492.4 / 18
p0 1.361 ± 0.004006
p1 3.685e-05 ± 2.745e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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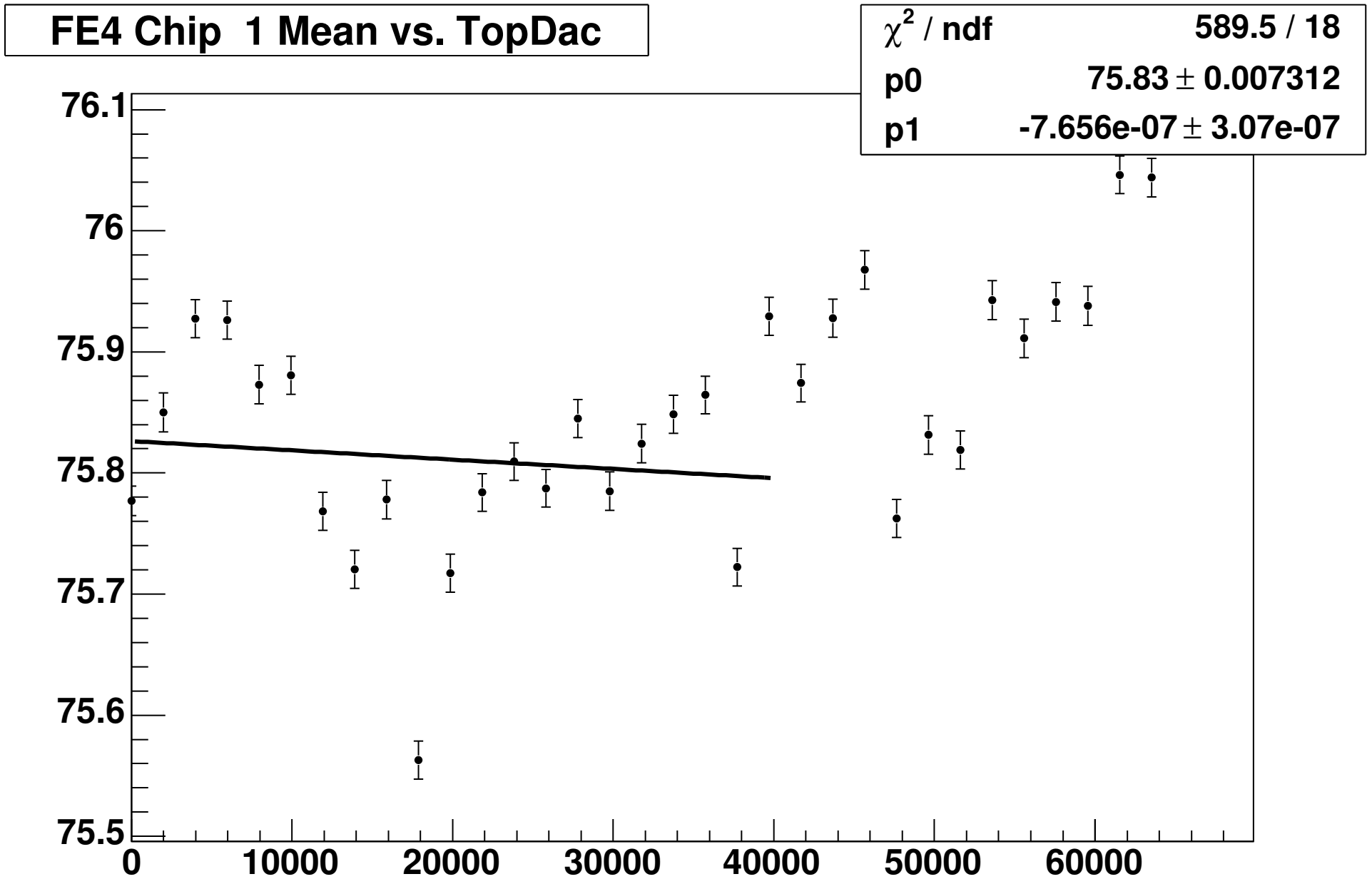
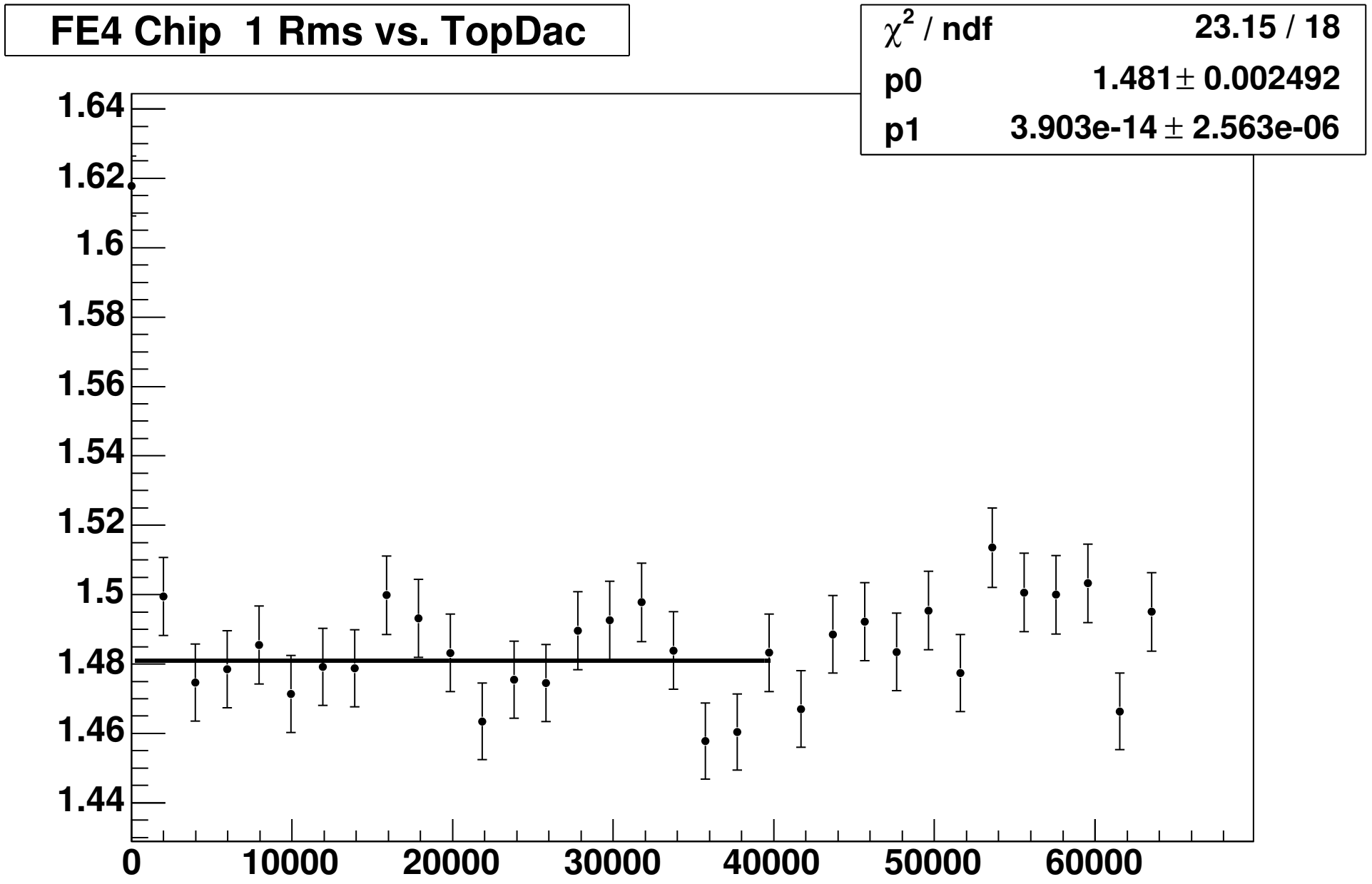
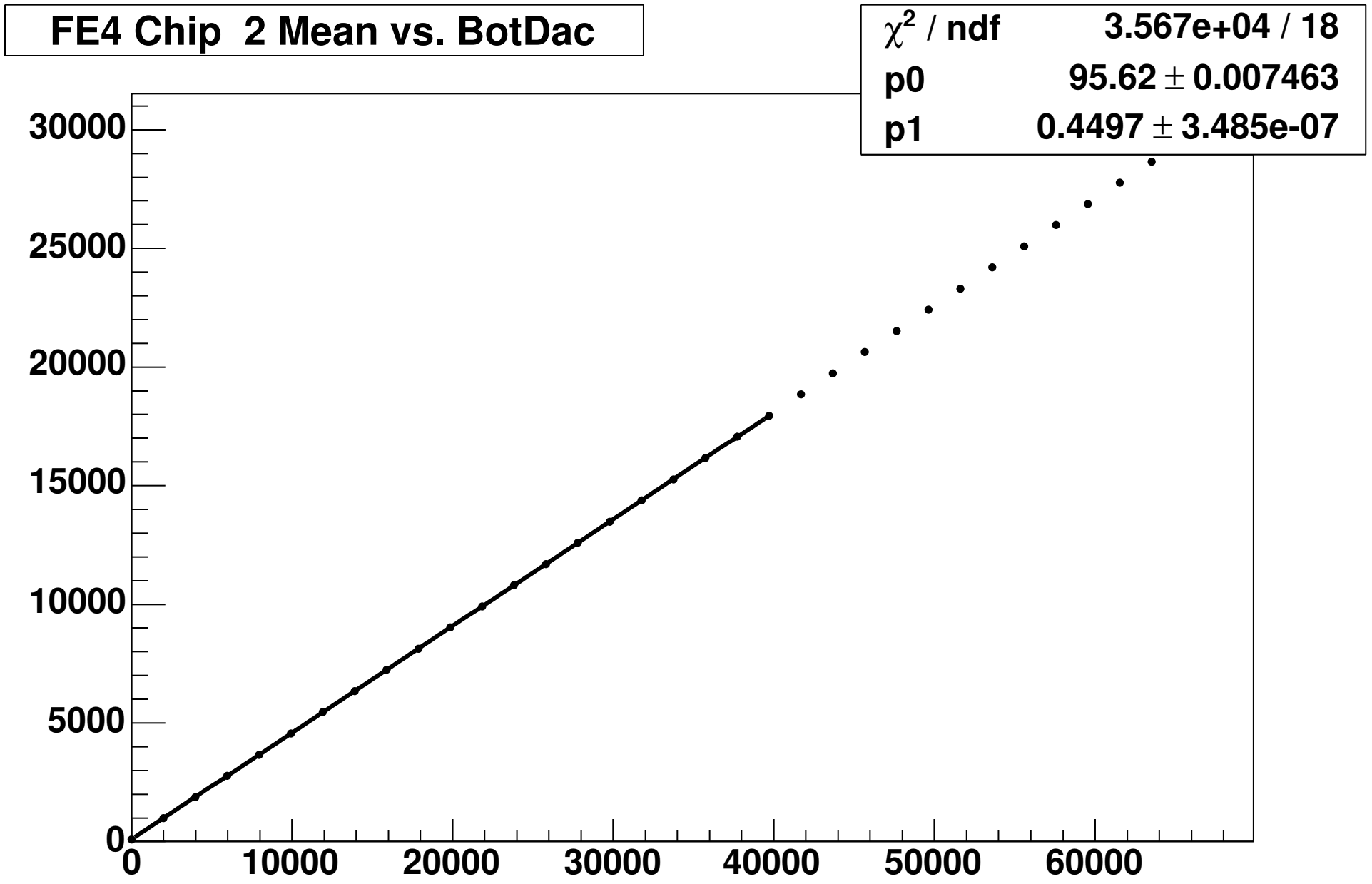

FE4 Chip 1 Mean vs. TopDac
χ² / ndf 589.5 / 18
p0 75.83 ± 0.007312
p1 -7.656e-07 ± 3.07e-07
76.1
76
75.9
75.8
75.7
75.6
75.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 23.15 / 18
p0 1.481 ± 0.002492
p1 3.903e-14 ± 2.563e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 3.567e+04 / 18
p0 95.62 ± 0.007463
p1 0.4497 ± 3.485e-07
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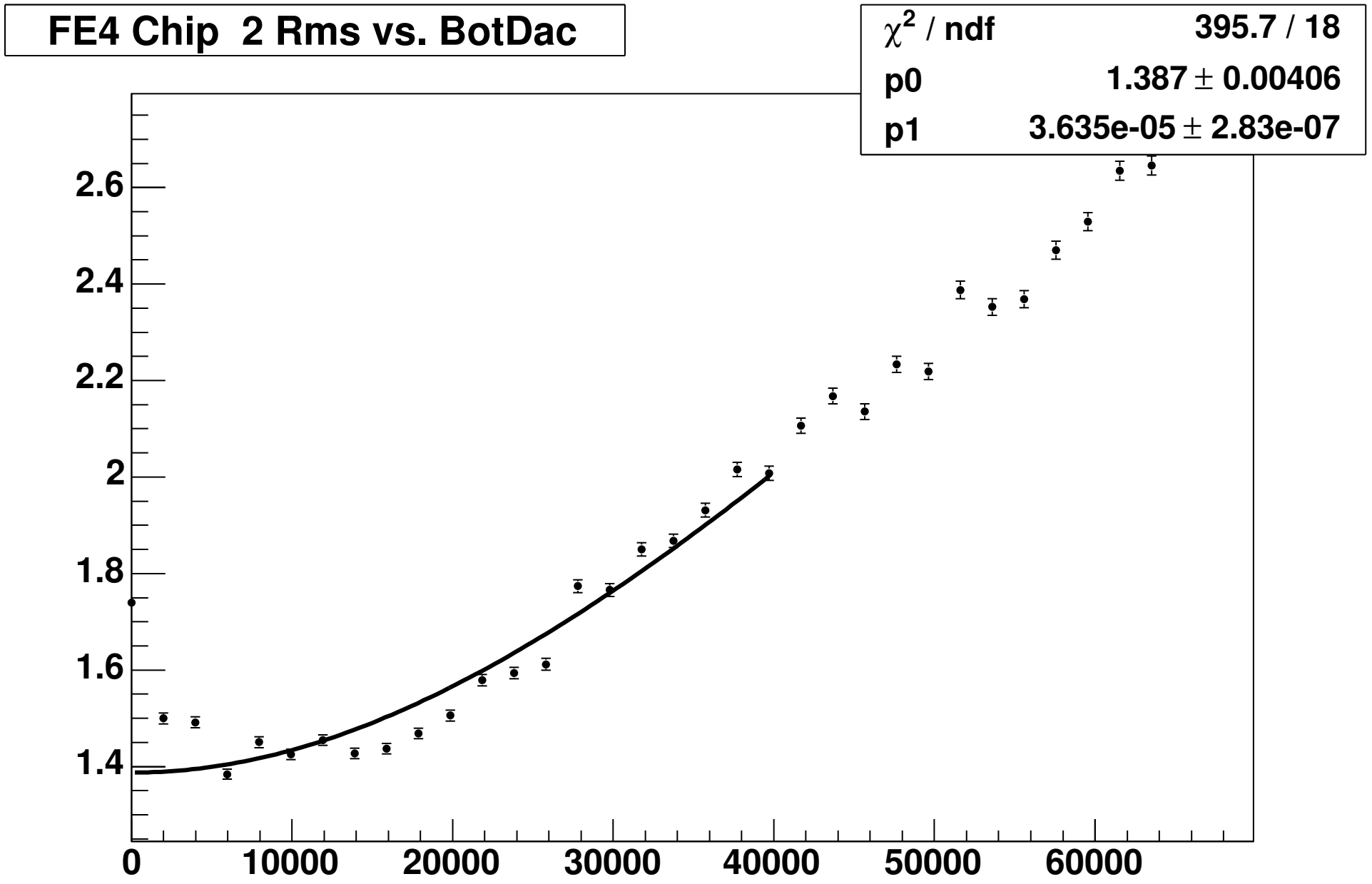
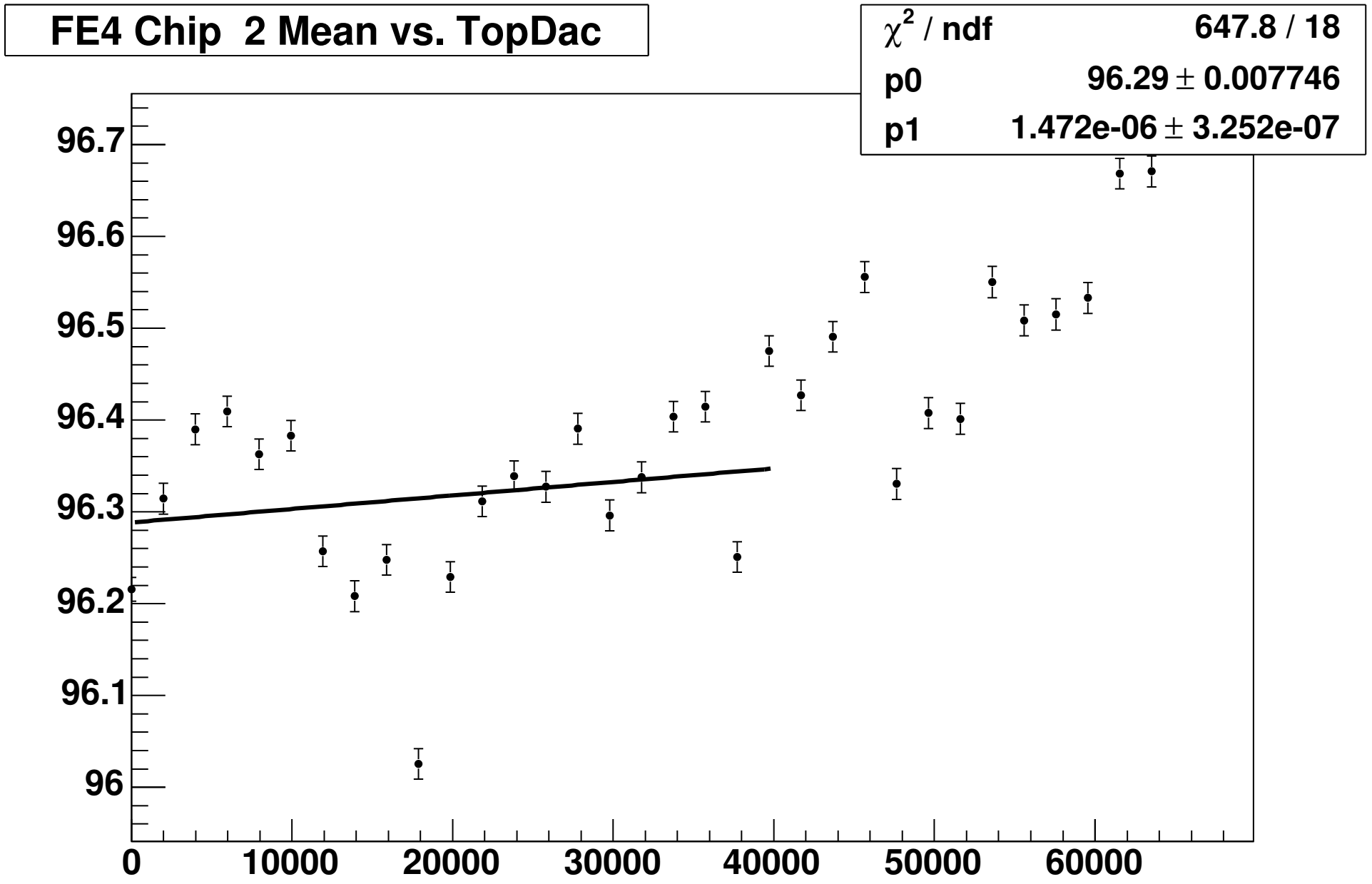
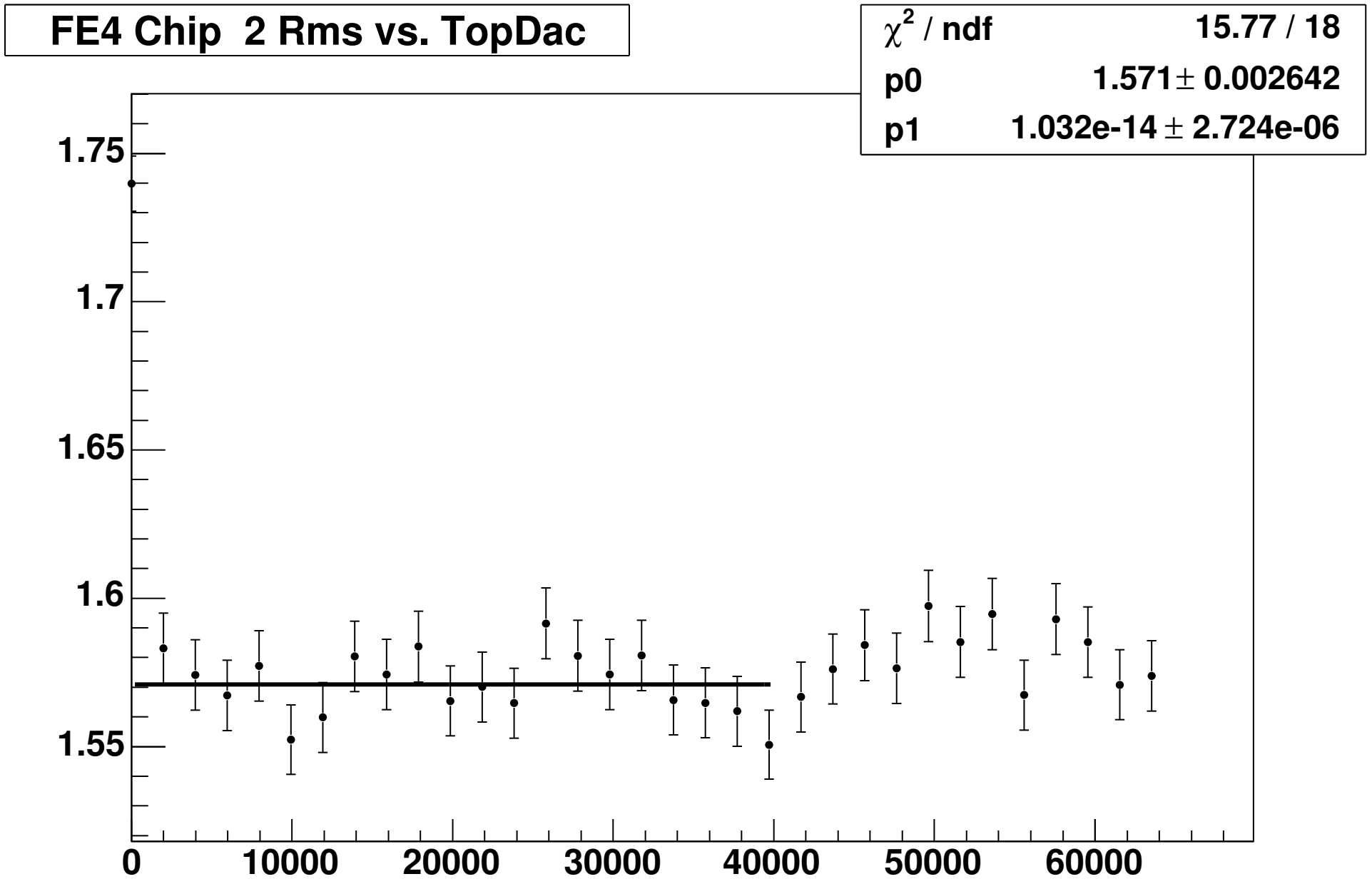
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 395.7 / 18
p0 1.387 ± 0.00406
p1 3.635e-05 ± 2.83e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 647.8 / 18
p0 96.29 ± 0.007746
p1 1.472e-06 ± 3.252e-07
96.7
96.6
96.5
96.4
96.3
96.2
96.1
96
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 15.77 / 18
p0 1.571 ± 0.002642
p1 1.032e-14 ± 2.724e-06
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1.7
1.65
1.6
1.55
0
10000
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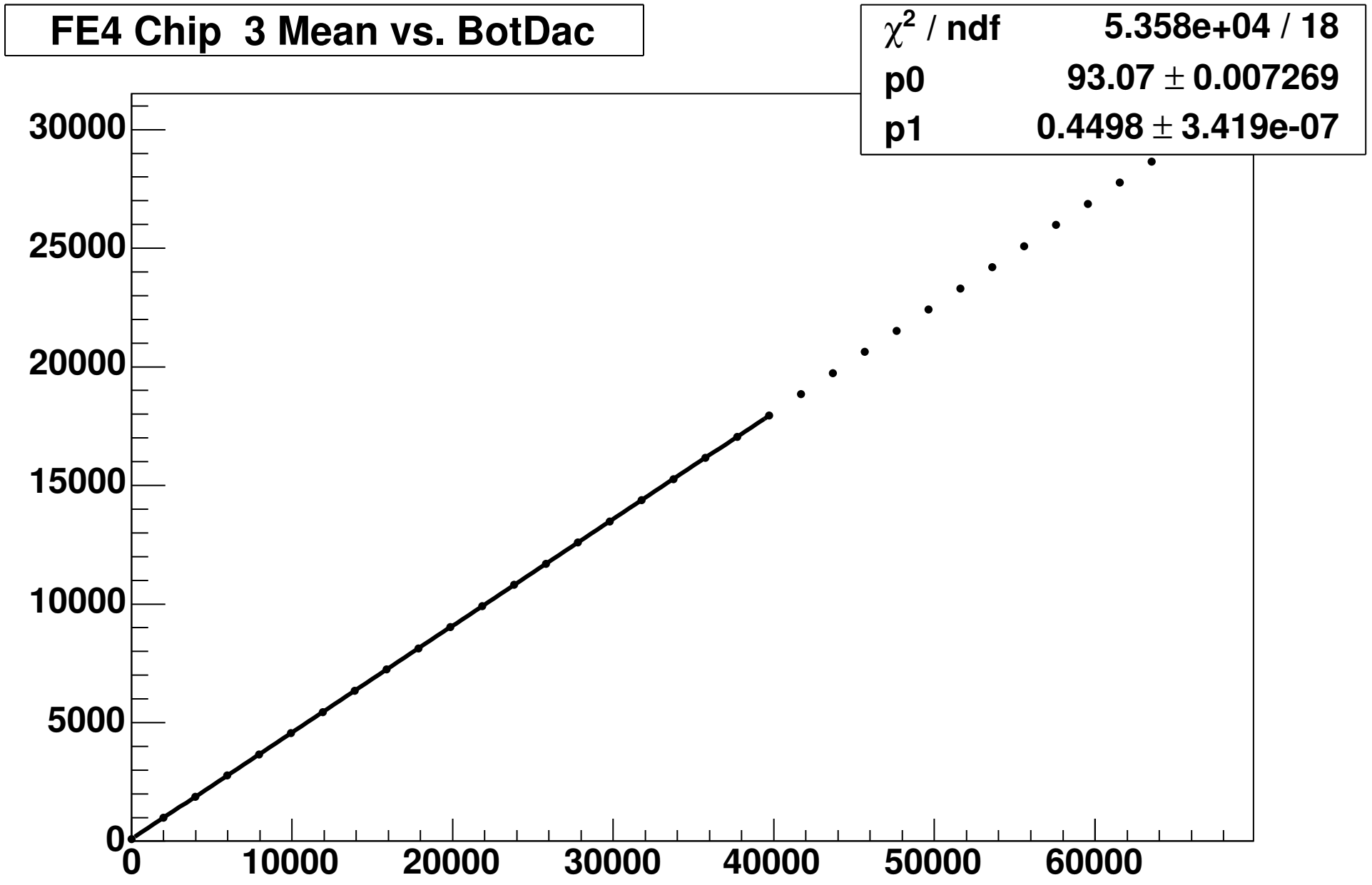
30000
40000
50000
60000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 5.358e+04 / 18
p0 93.07 ± 0.007269
p1 0.4498 ± 3.419e-07
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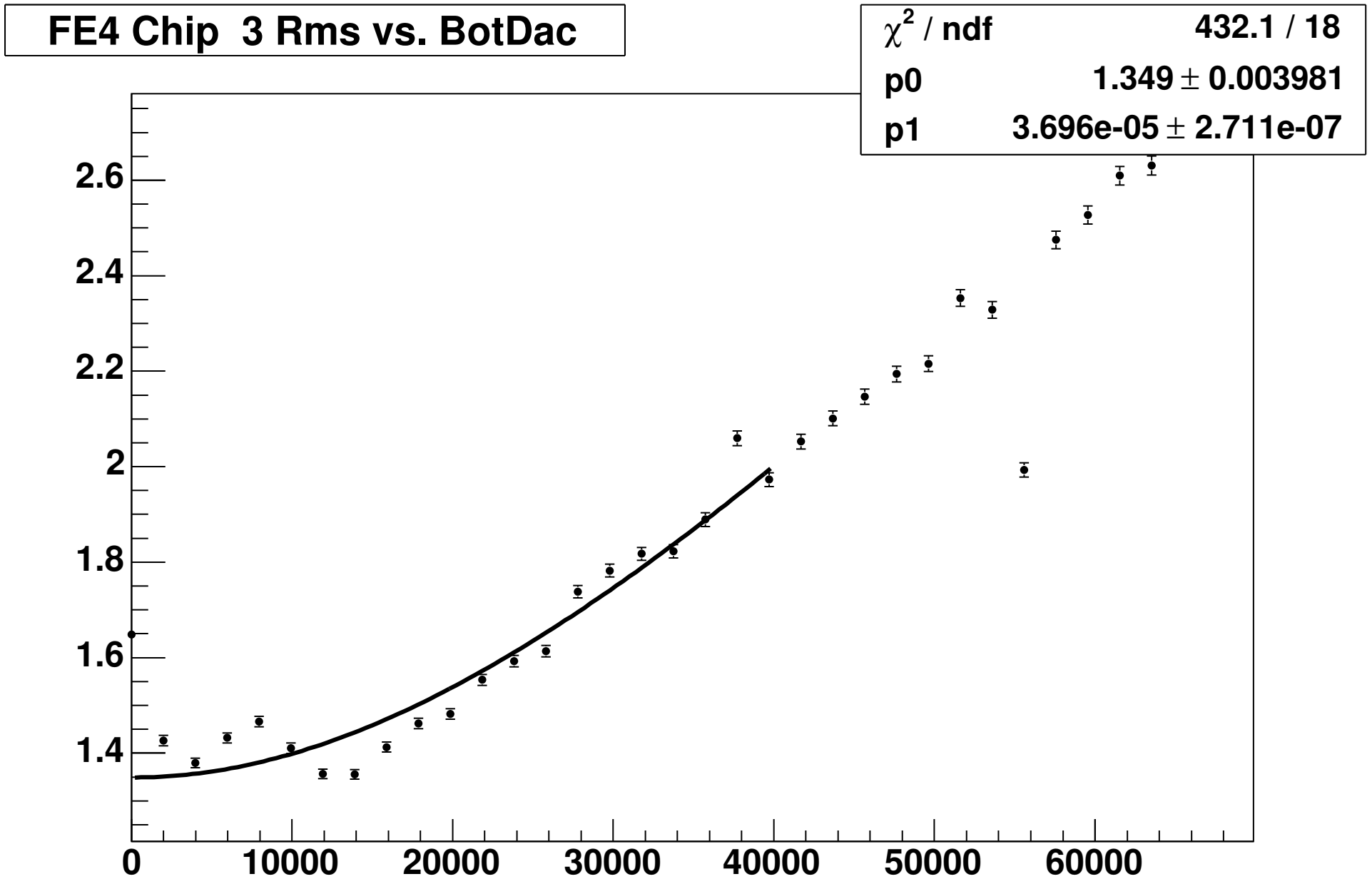
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 432.1 / 18
p0 1.349 ± 0.003981
p1 3.696e-05 ± 2.711e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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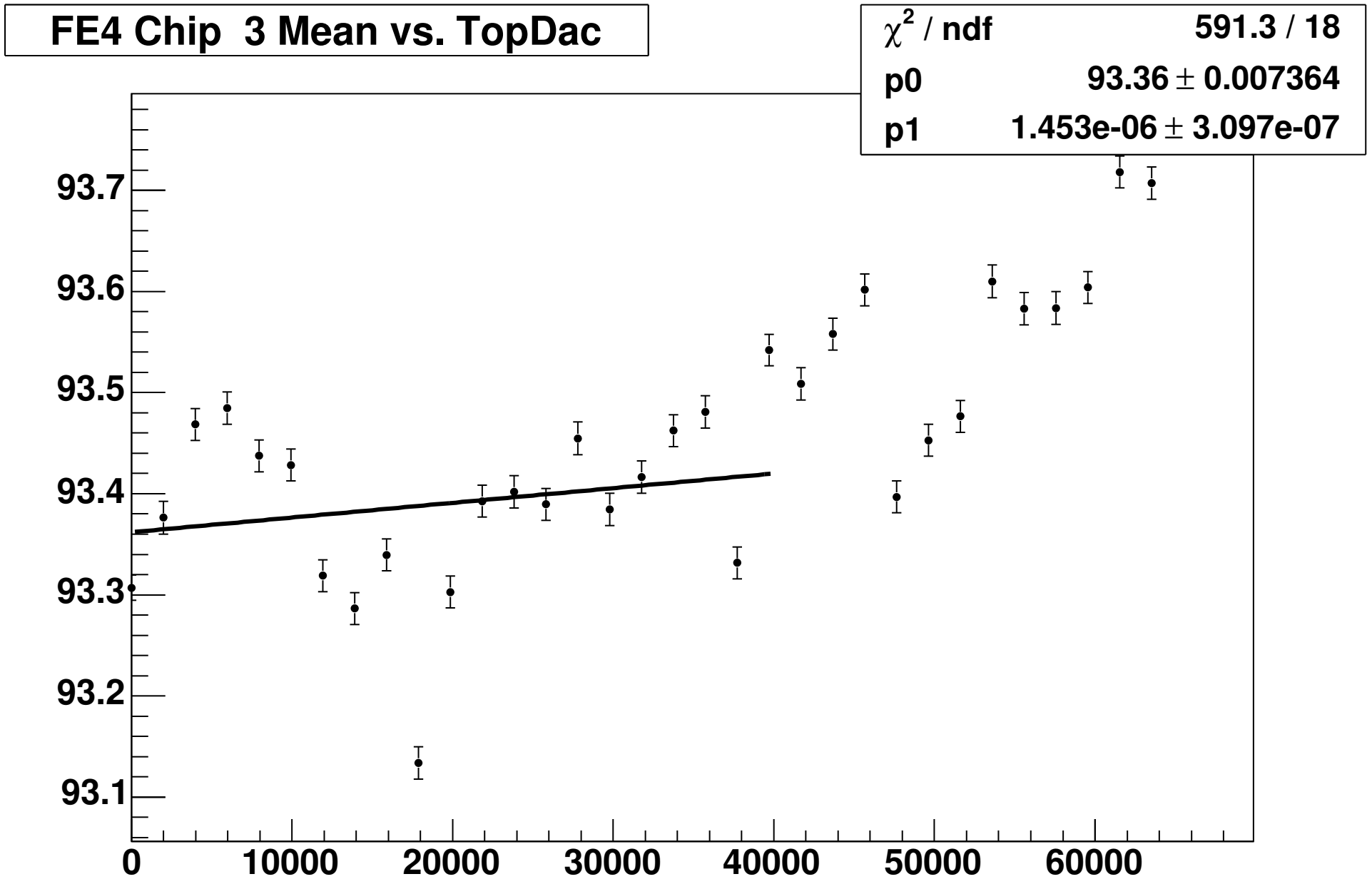
40000
50000
60000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 591.3 / 18
p0 93.36 ± 0.007364
p1 1.453e-06 ± 3.097e-07
93.7
93.6
93.5
93.4
93.3
93.2
93.1
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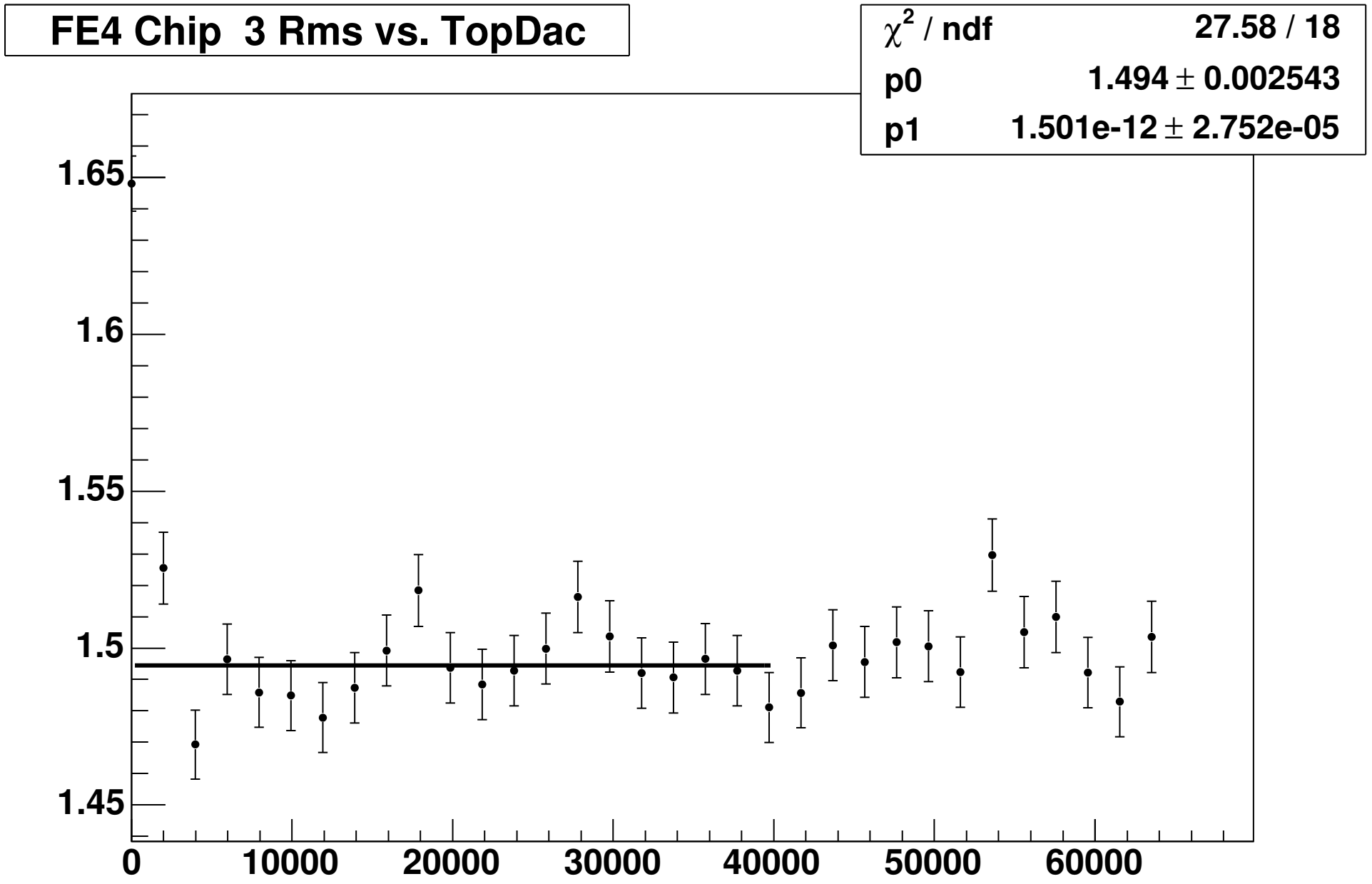
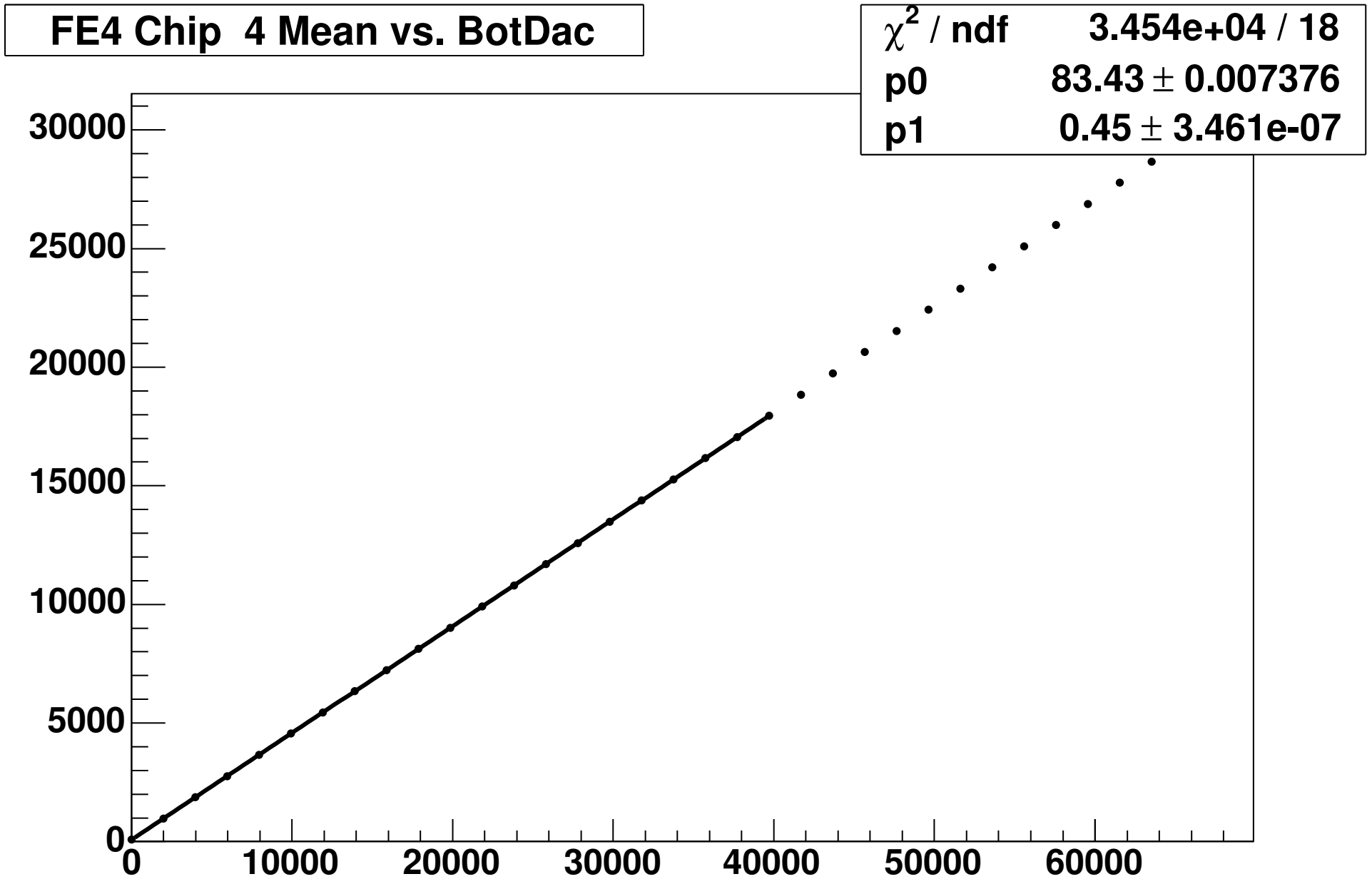
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 27.58 / 18
p0 1.494 ± 0.002543
p1 1.501e-12 ± 2.752e-05
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 3.454e+04 / 18
p0 83.43 ± 0.007376
p1 0.45 ± 3.461e-07
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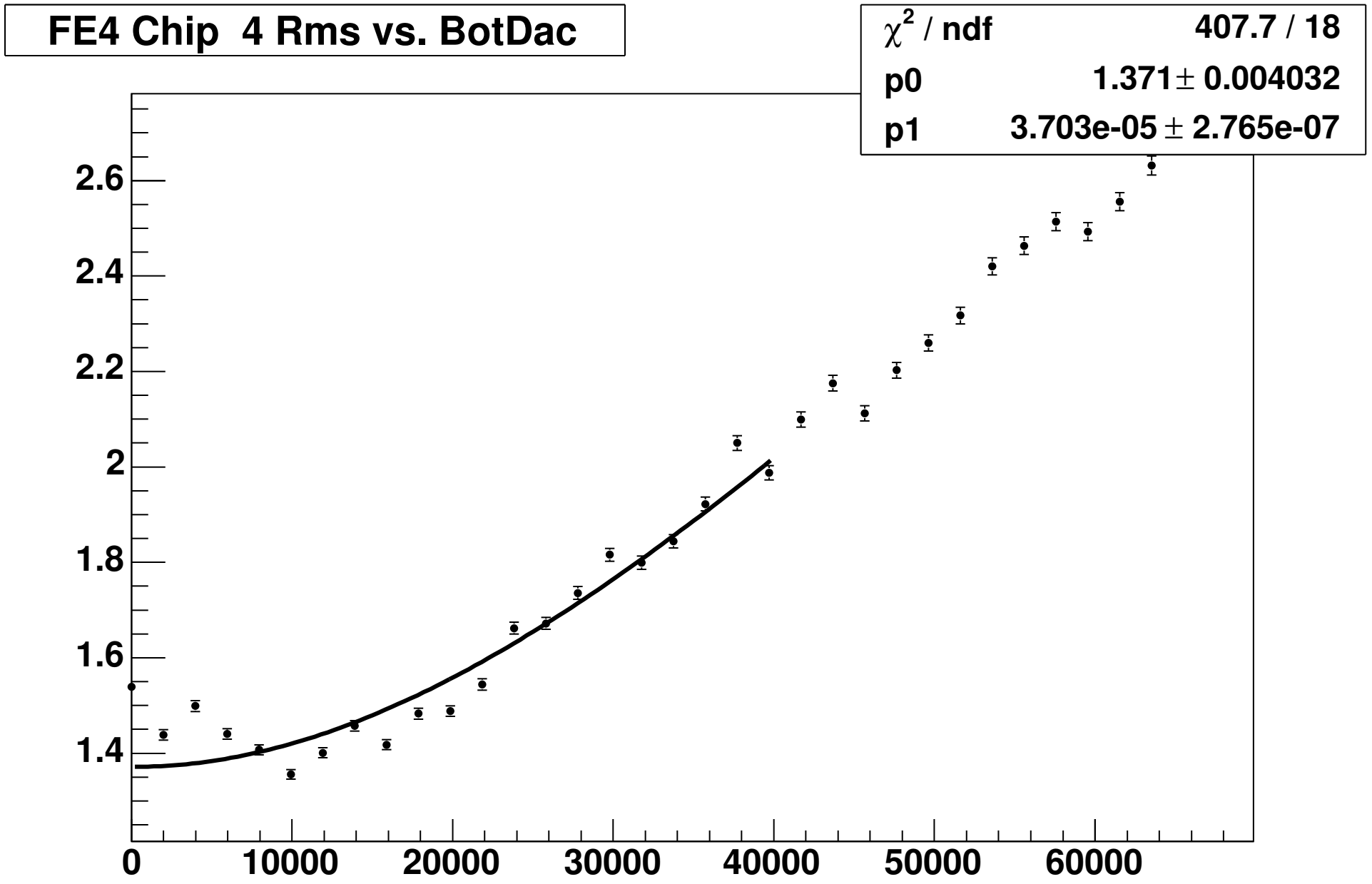
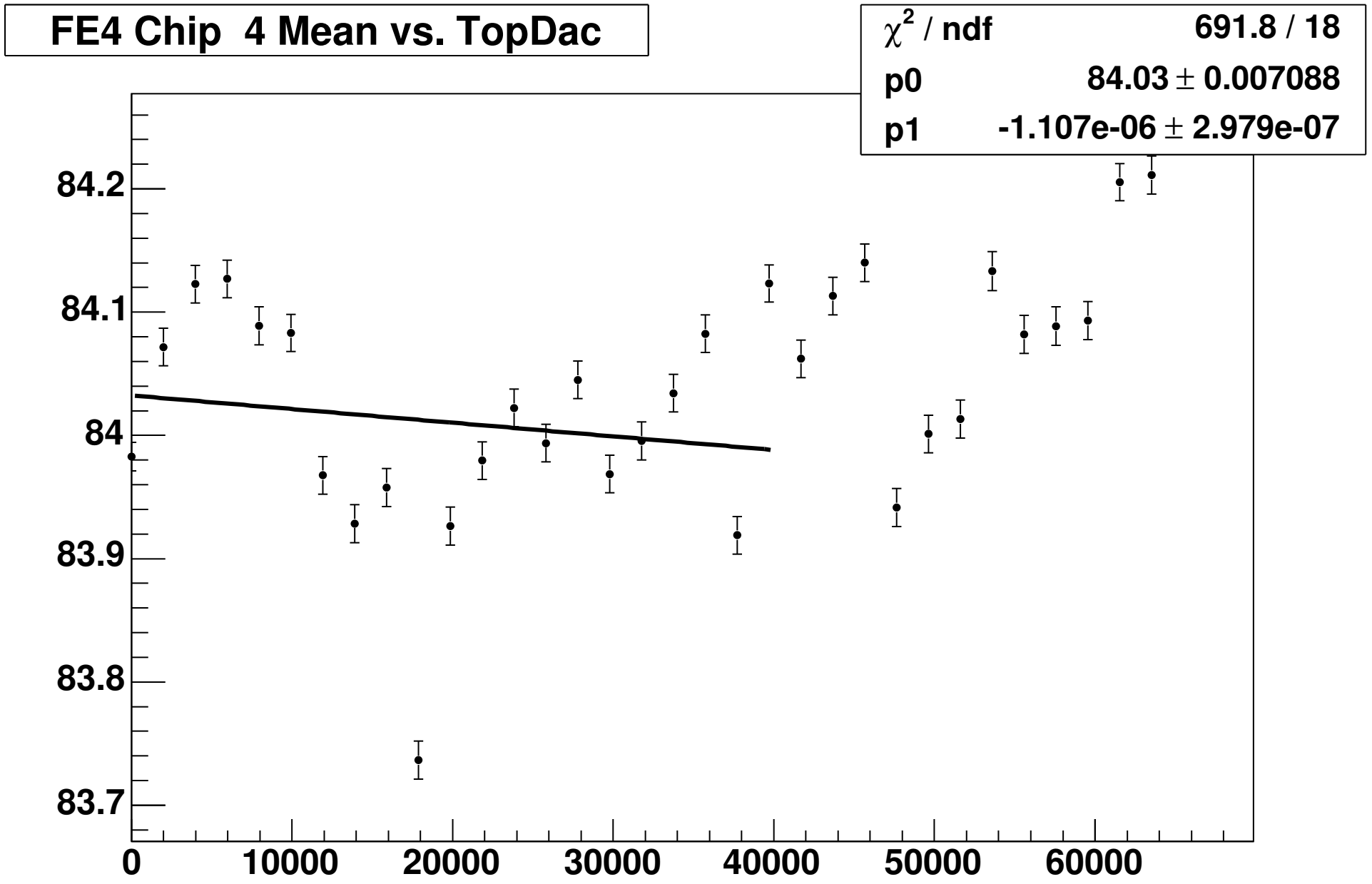
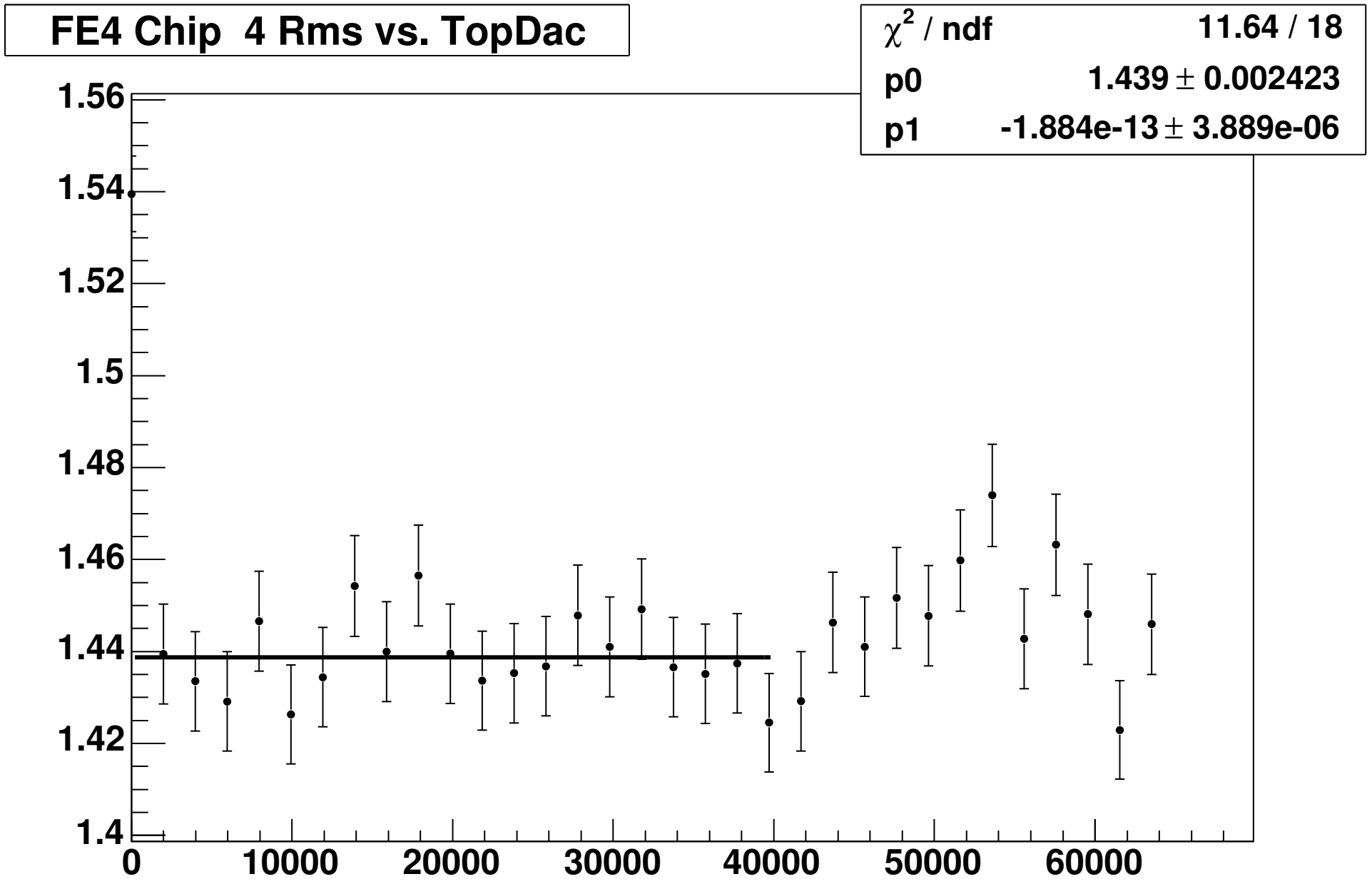
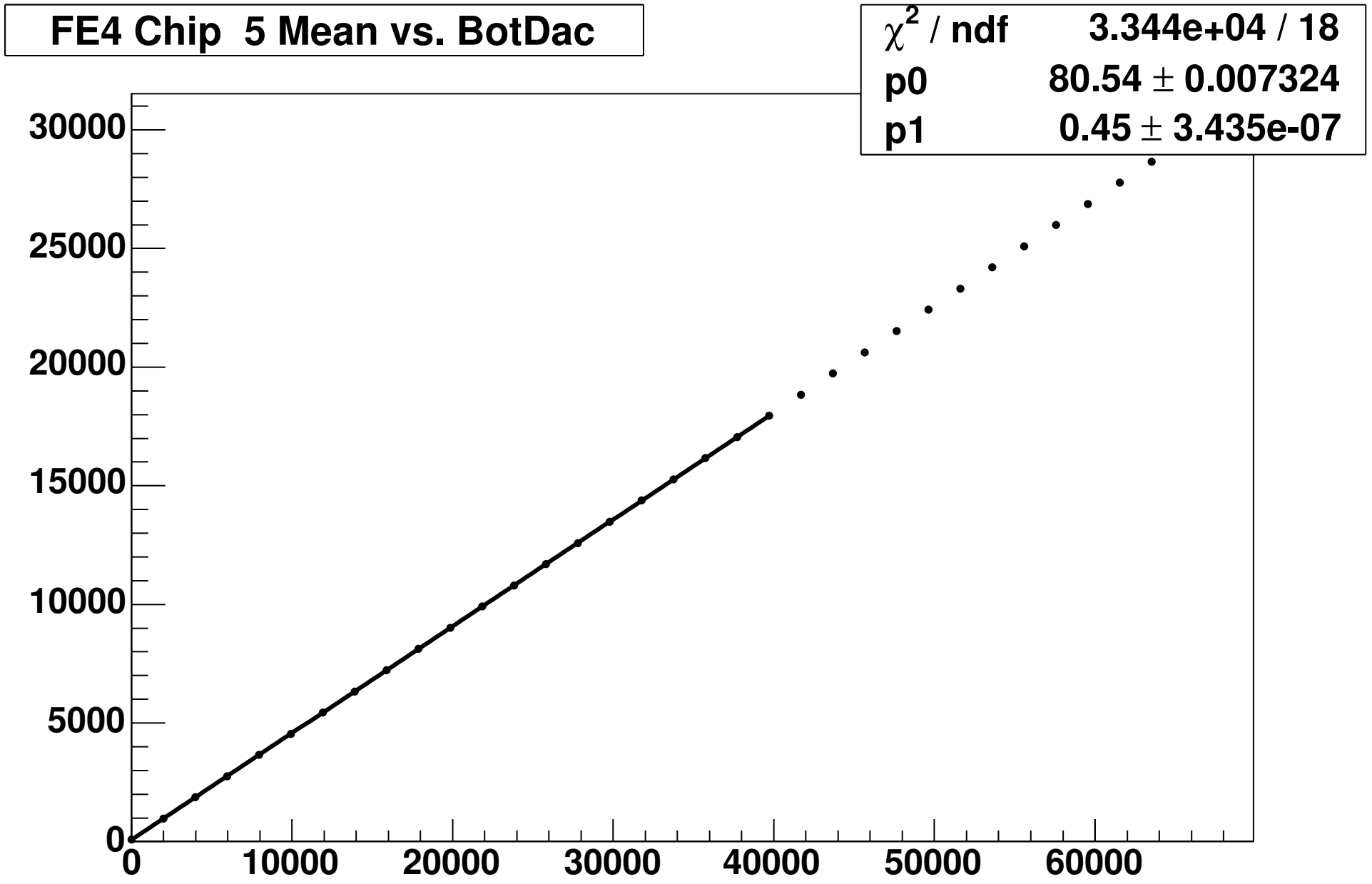
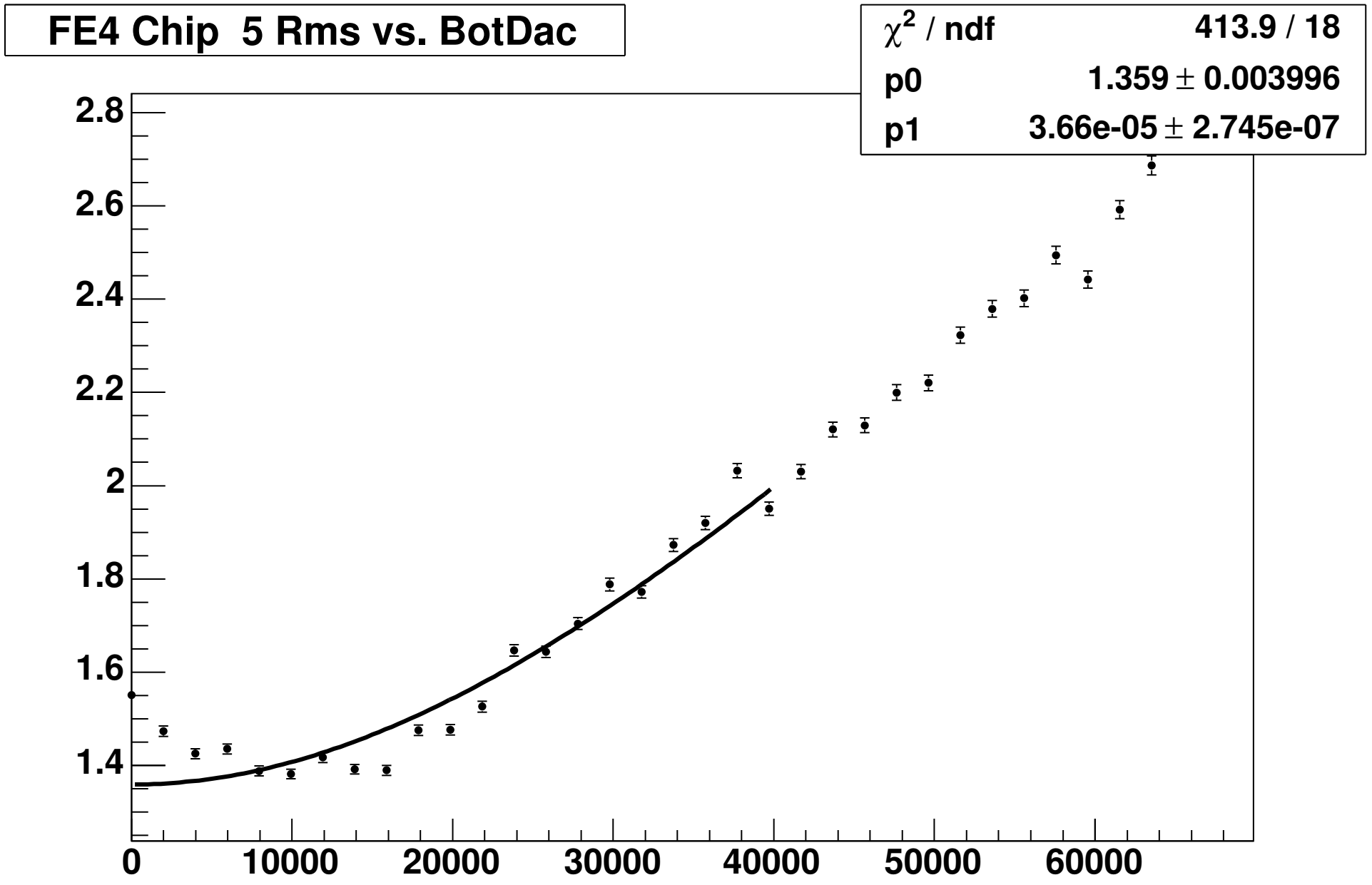
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

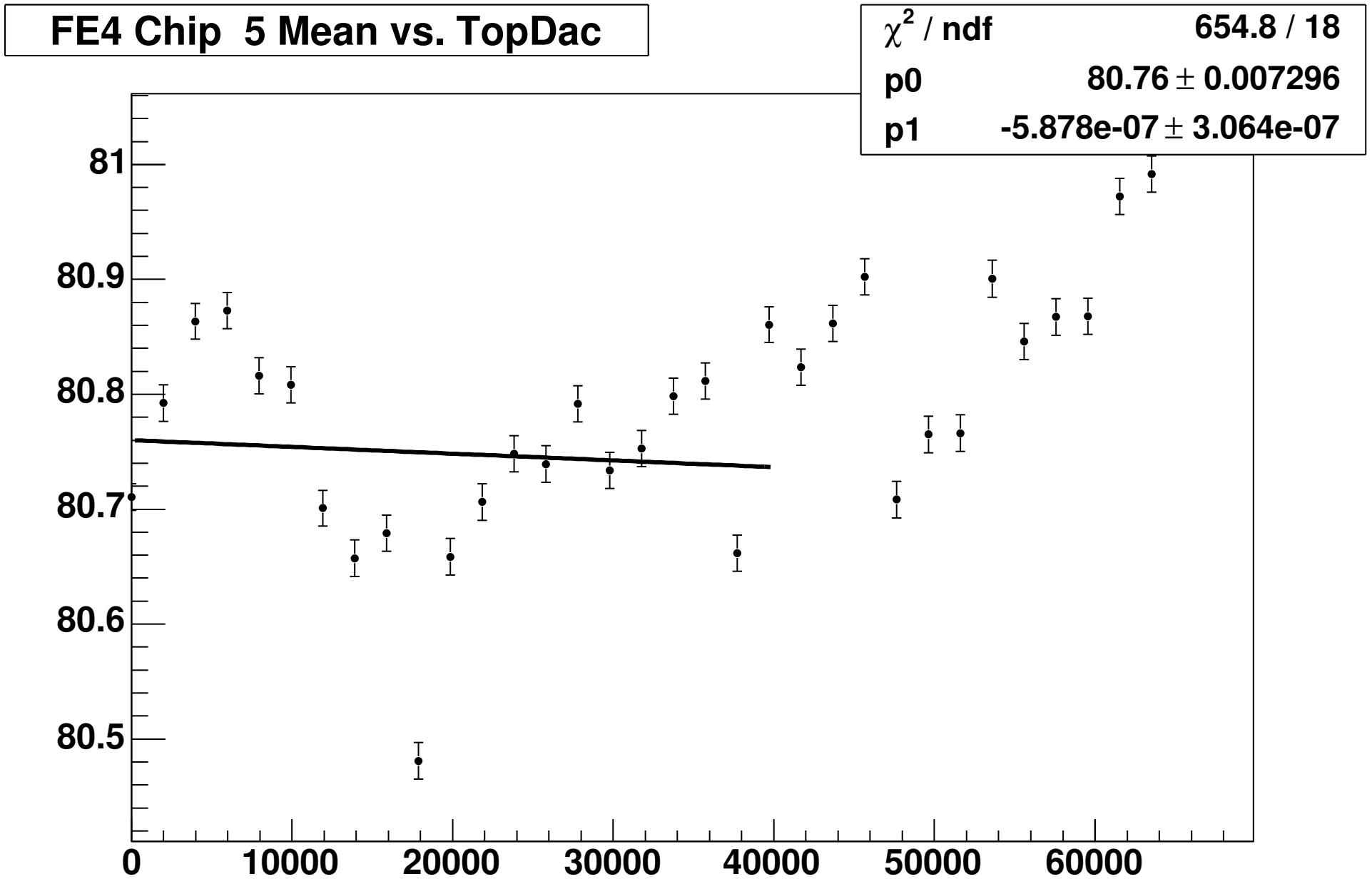

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 407.7 / 18
p0 1.371 ± 0.004032
p1 3.703e-05 ± 2.765e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

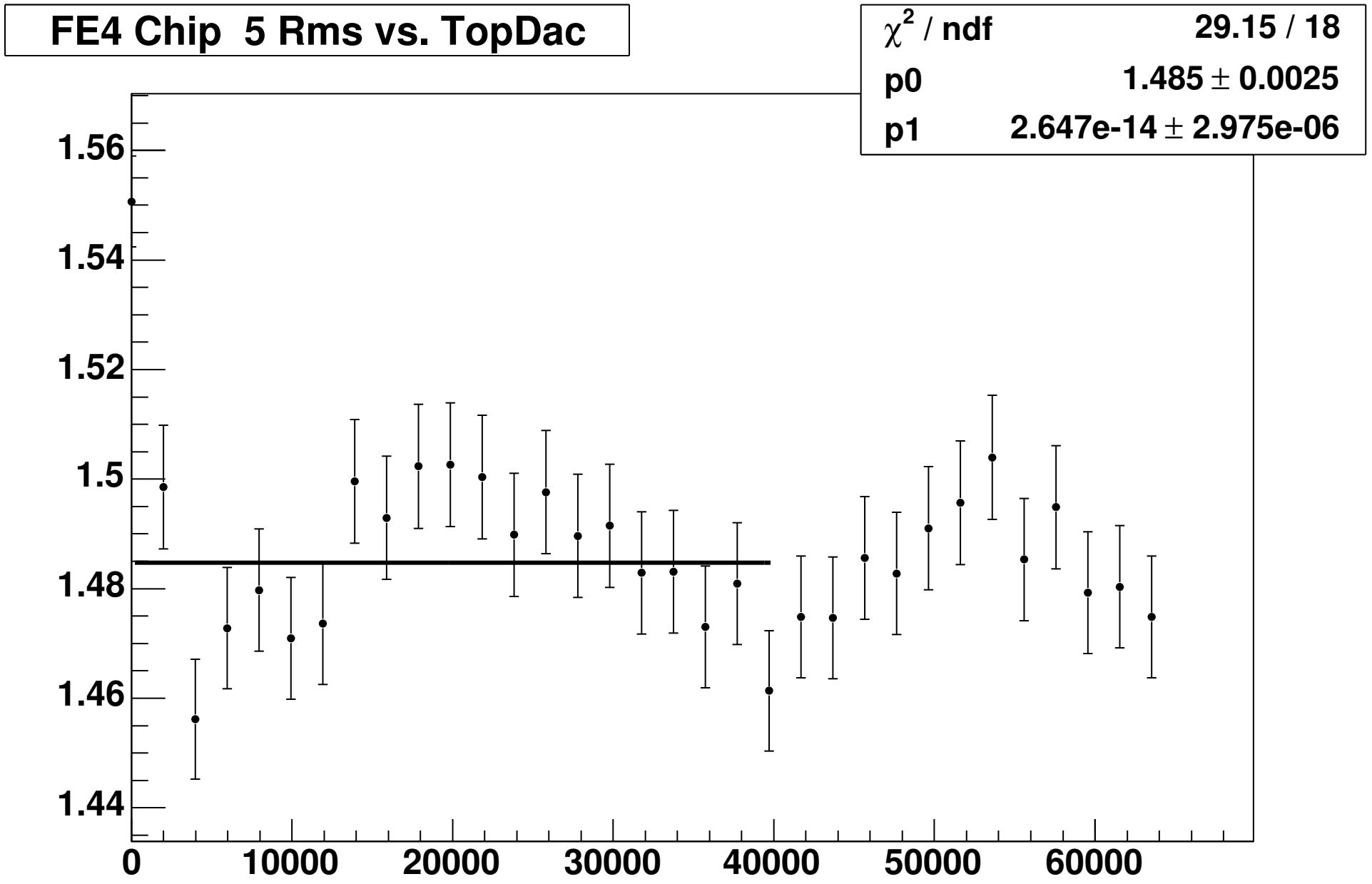

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 691.8 / 18
p0 84.03 ± 0.007088
p1 -1.107e-06 ± 2.979e-07
84.2
84.1
84
83.9
83.8
83.7
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 11.64 / 18
p0 1.439 ± 0.002423
p1 -1.884e-13 ± 3.889e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 3.344e+04 / 18
p0 80.54 ± 0.007324
p1 0.45 ± 3.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 413.9 / 18
p0 1.359 ± 0.003996
p1 3.66e-05 ± 2.745e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 654.8 / 18
p0 80.76 ± 0.007296
p1 -5.878e-07 ± 3.064e-07
81
80.9
80.8
80.7
80.6
80.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 29.15 / 18
p0 1.485 ± 0.0025
p1 2.647e-14 ± 2.975e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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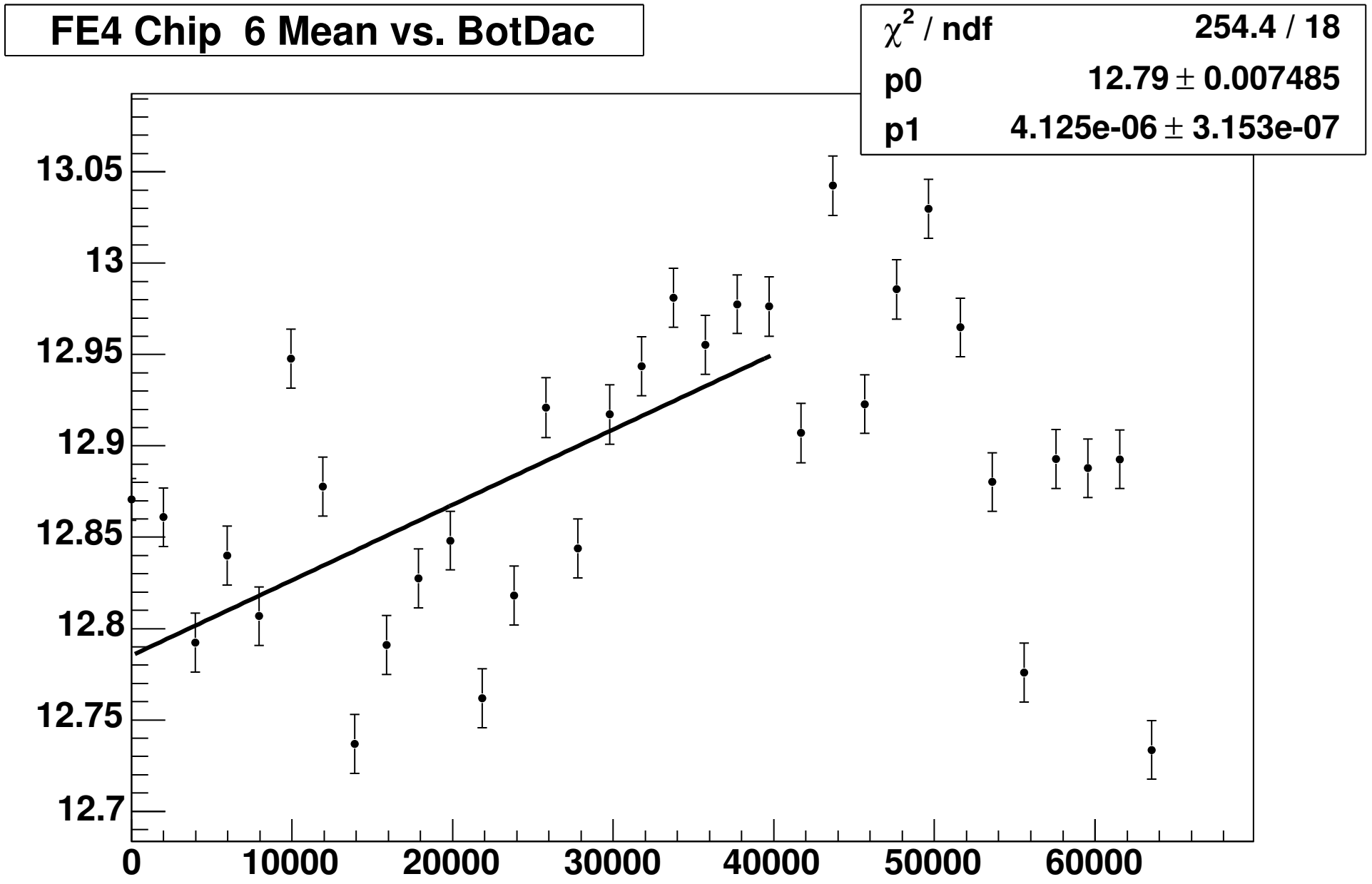
30000
40000
50000
60000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 254.4 / 18
p0 12.79 ± 0.007485
p1 4.125e-06 ± 3.153e-07
13.05
13
12.95
12.9
12.85
12.8
12.75
12.7
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10000
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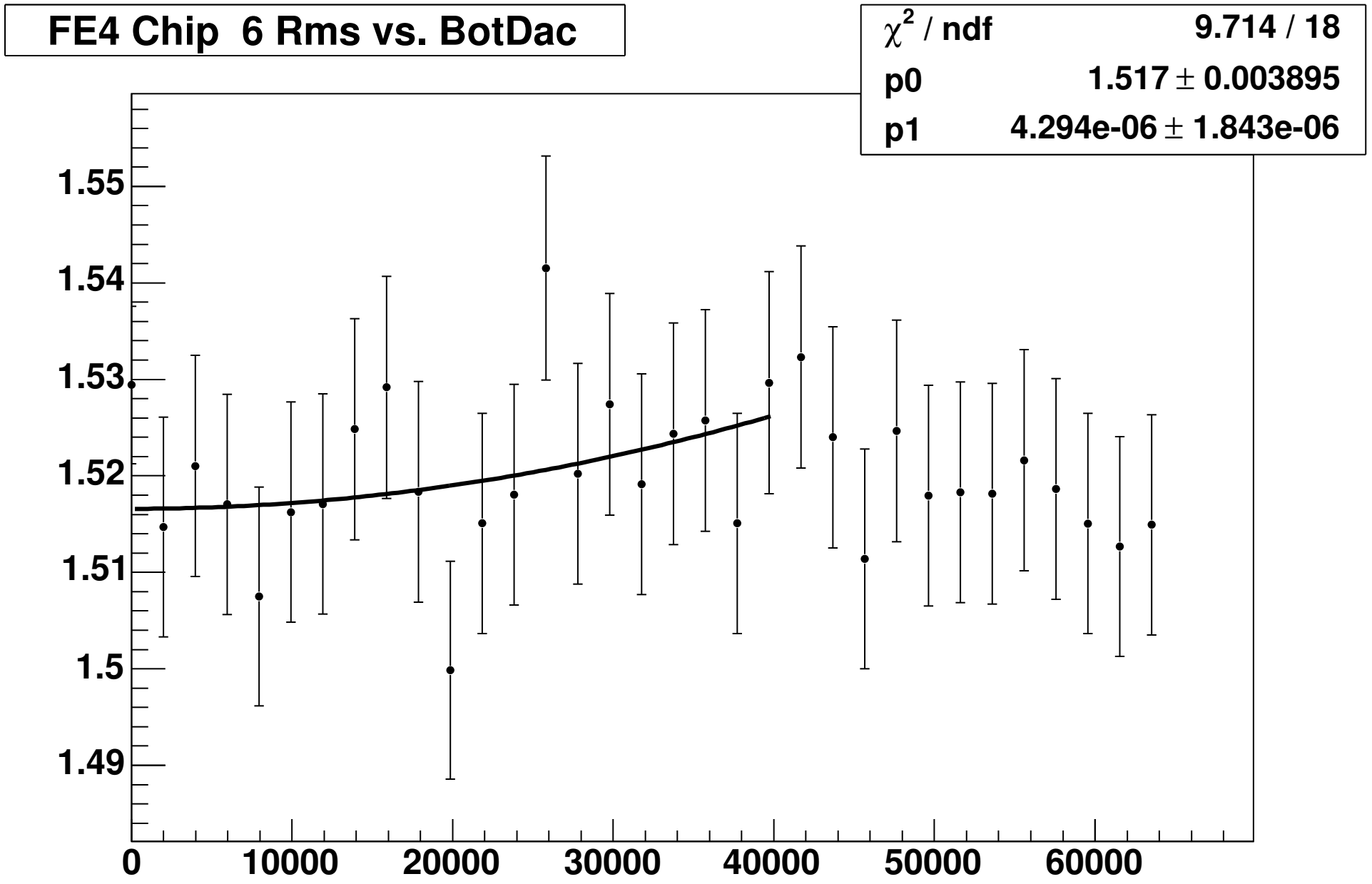
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ^2 / ndf 9.714 / 18
p0 1.517 ± 0.003895
p1 4.294e-06 ± 1.843e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
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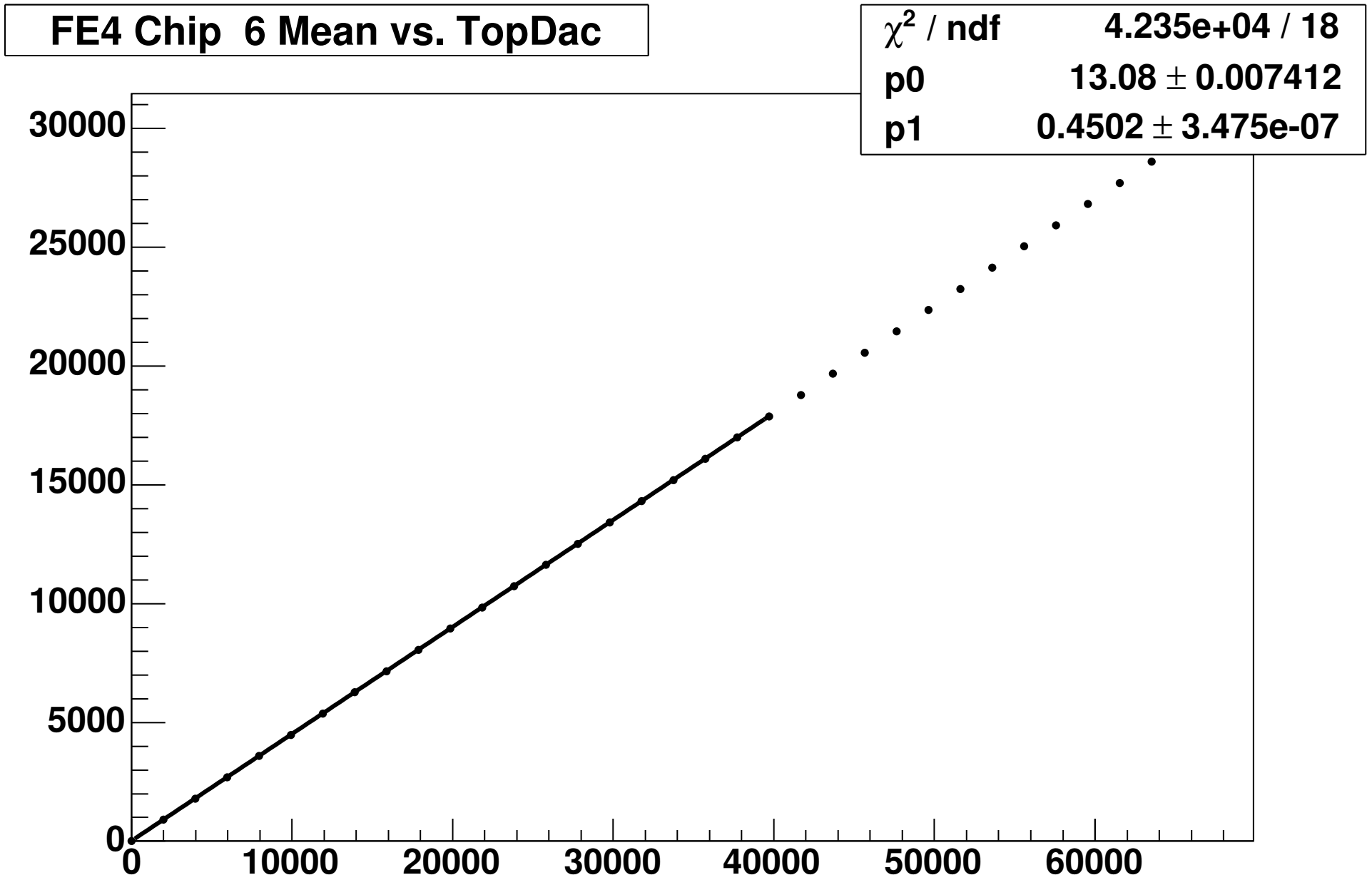
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 4.235e+04 / 18
p0 13.08 ± 0.007412
p1 0.4502 ± 3.475e-07
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15000
10000
5000
0
0
10000
20000
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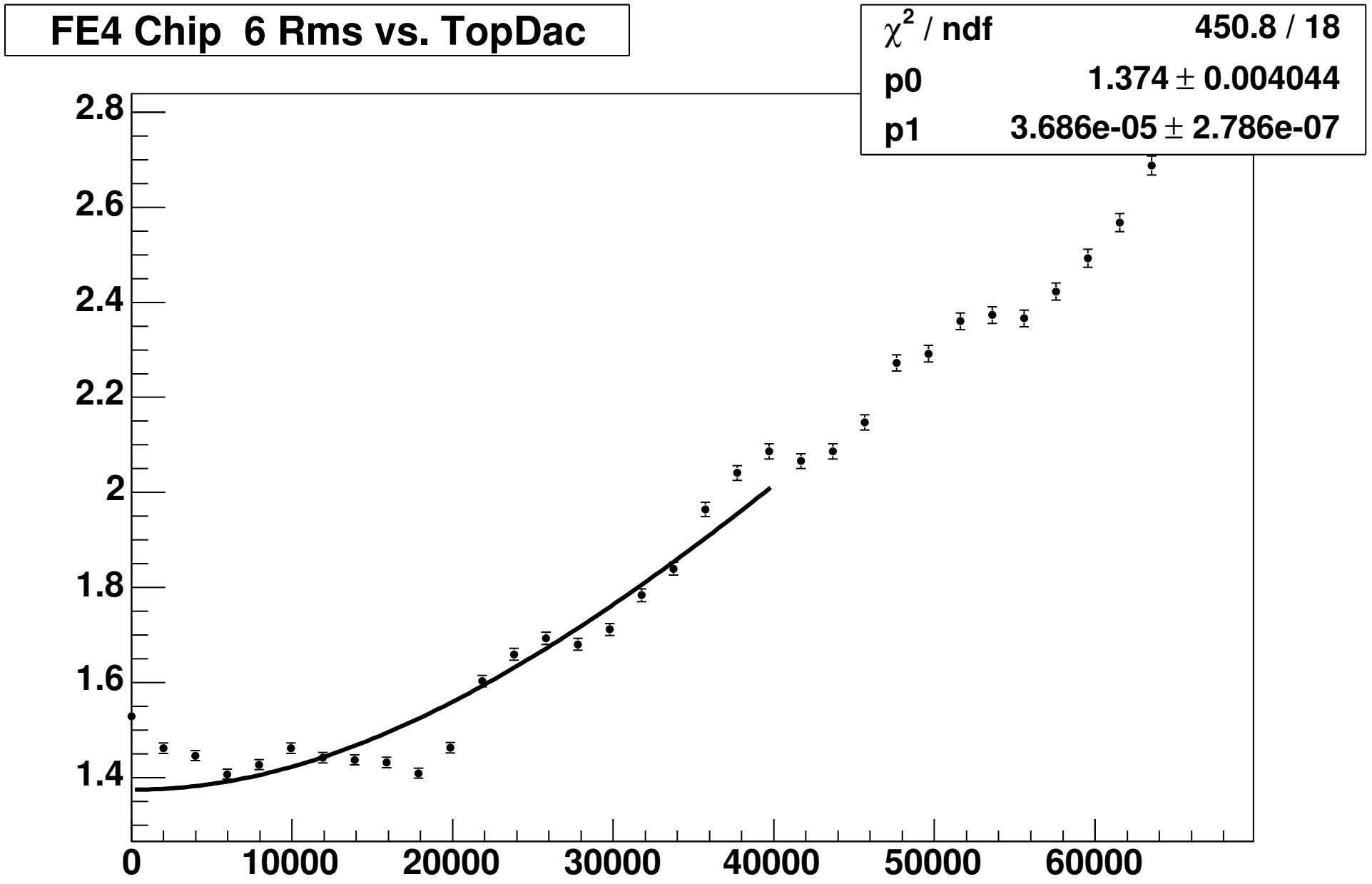
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 450.8 / 18
p0 1.374 ± 0.004044
p1 3.686e-05 ± 2.786e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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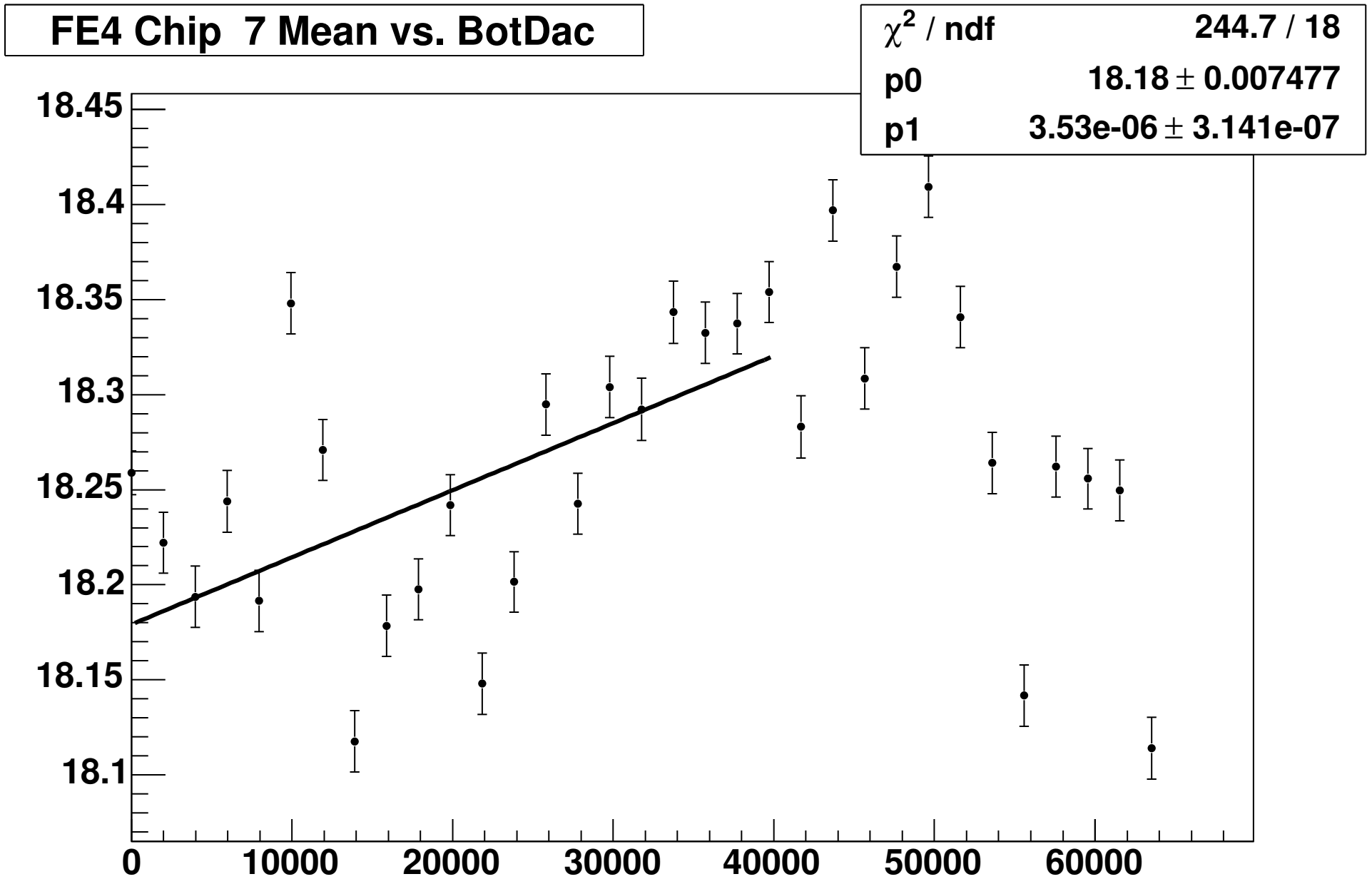
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 244.7 / 18
p0 18.18 ± 0.007477
p1 3.53e-06 ± 3.141e-07
18.45
18.4
18.35
18.3
18.25
18.2
18.15
18.1
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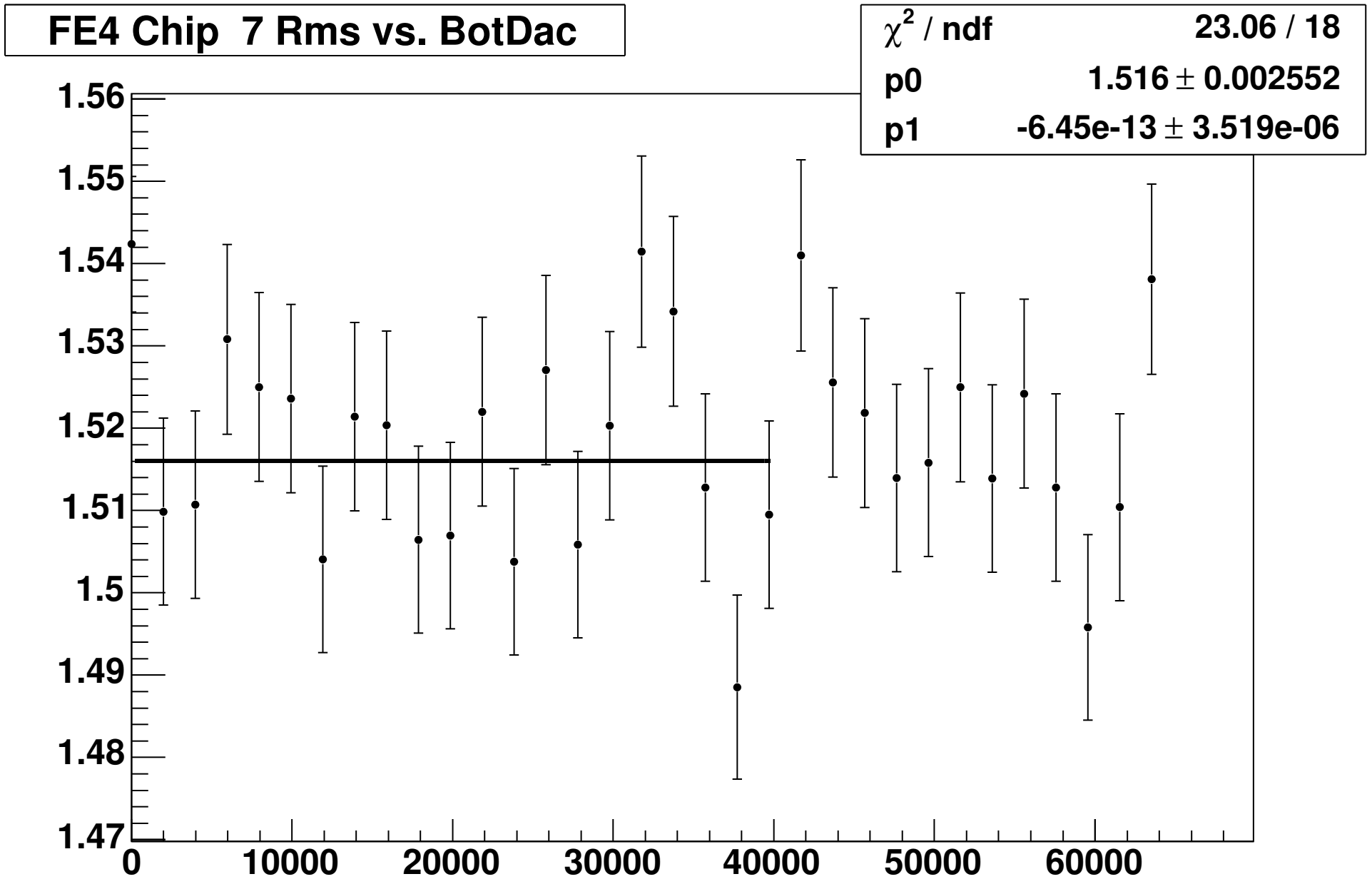
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 23.06 / 18
p0 1.516 ± 0.002552
p1 -6.45e-13 ± 3.519e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
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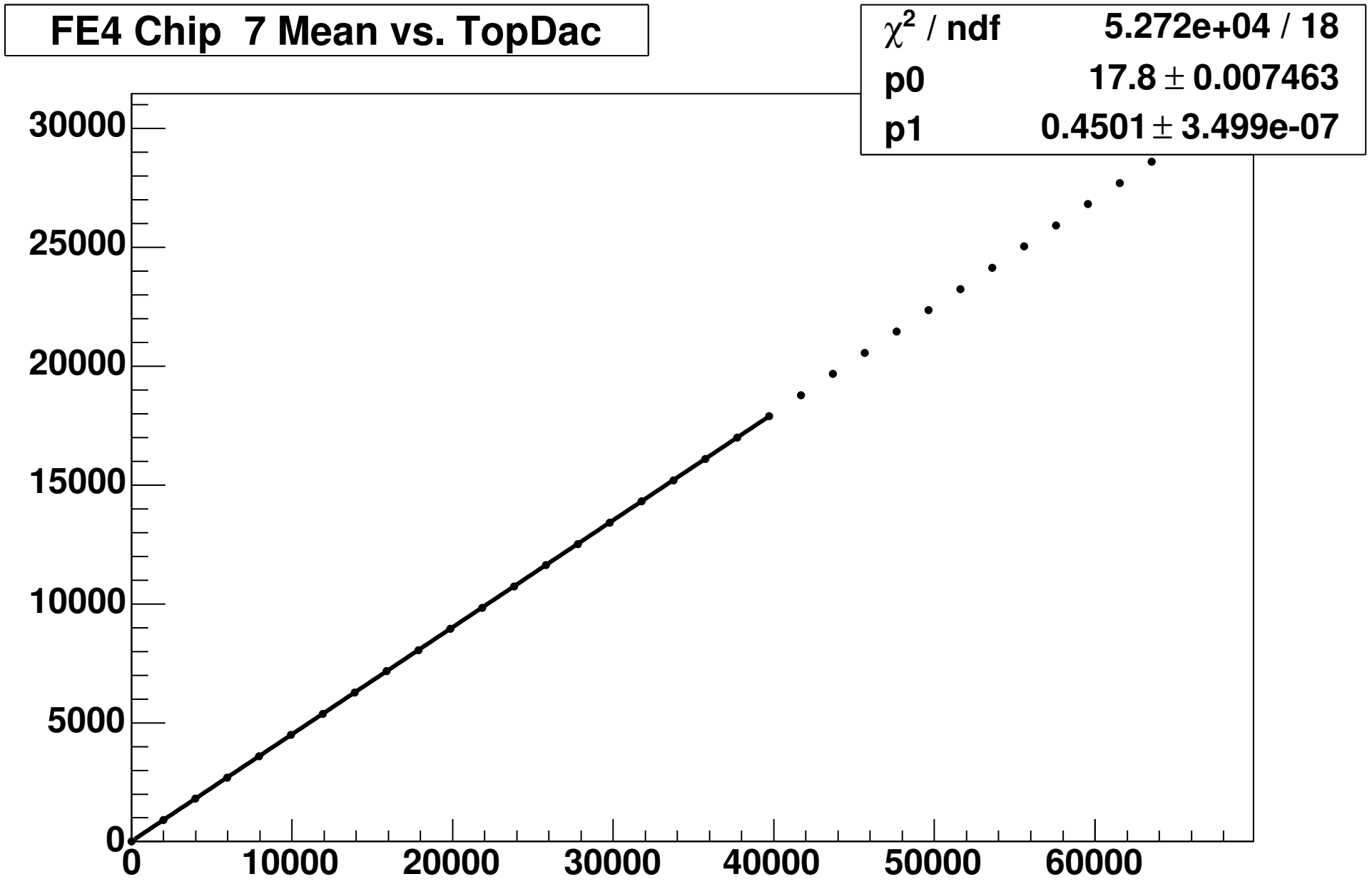
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 5.272e+04 / 18
p0 17.8 ± 0.007463
p1 0.4501 ± 3.499e-07
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25000
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15000
10000
5000
0
0
10000
20000
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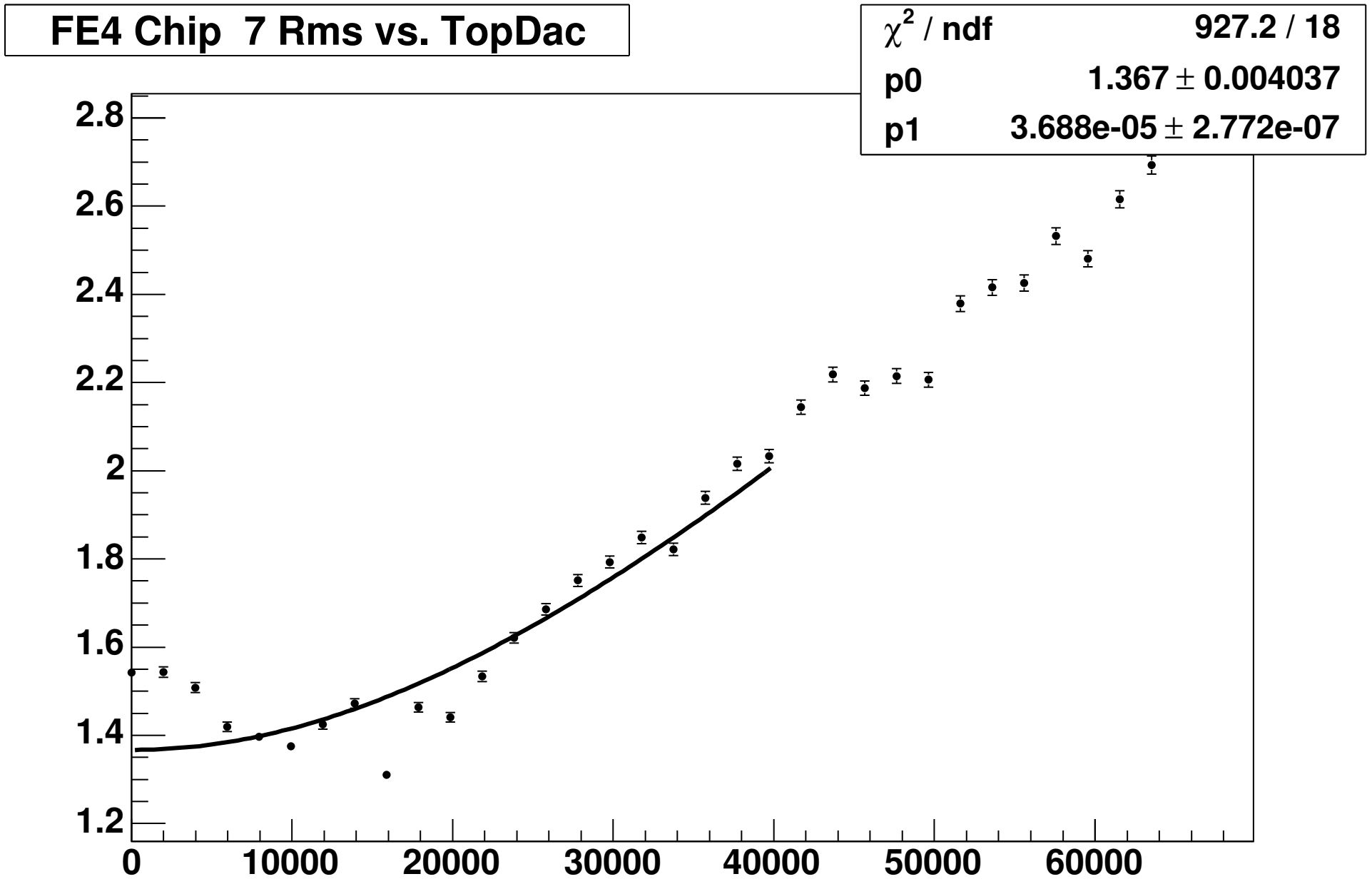
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 927.2 / 18
p0 1.367 ± 0.004037
p1 3.688e-05 ± 2.772e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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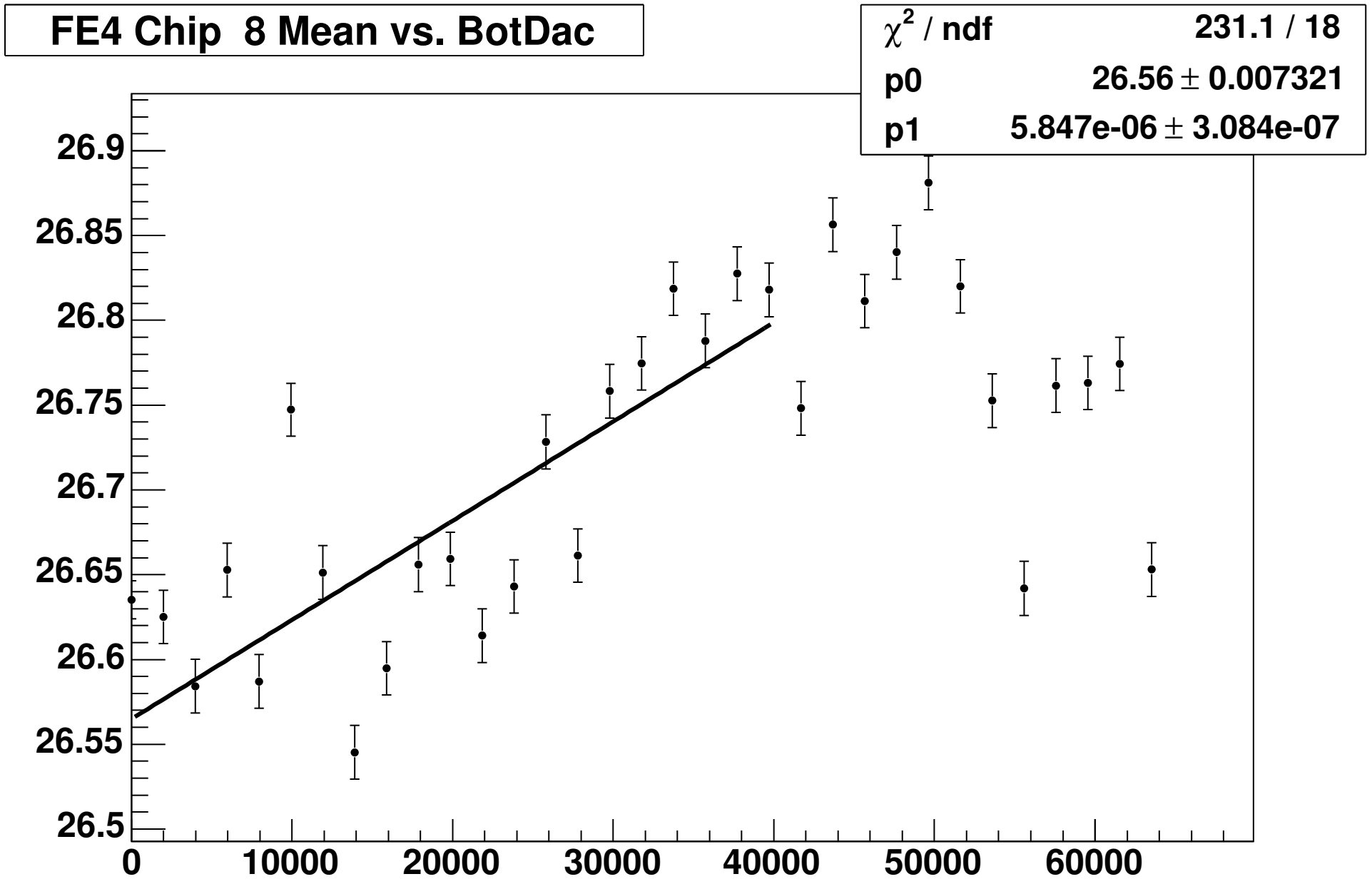
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 231.1 / 18
p0 26.56 ± 0.007321
p1 5.847e-06 ± 3.084e-07
26.9
26.85
26.8
26.75
26.7
26.65
26.6
26.55
26.5
0
10000
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40000
50000
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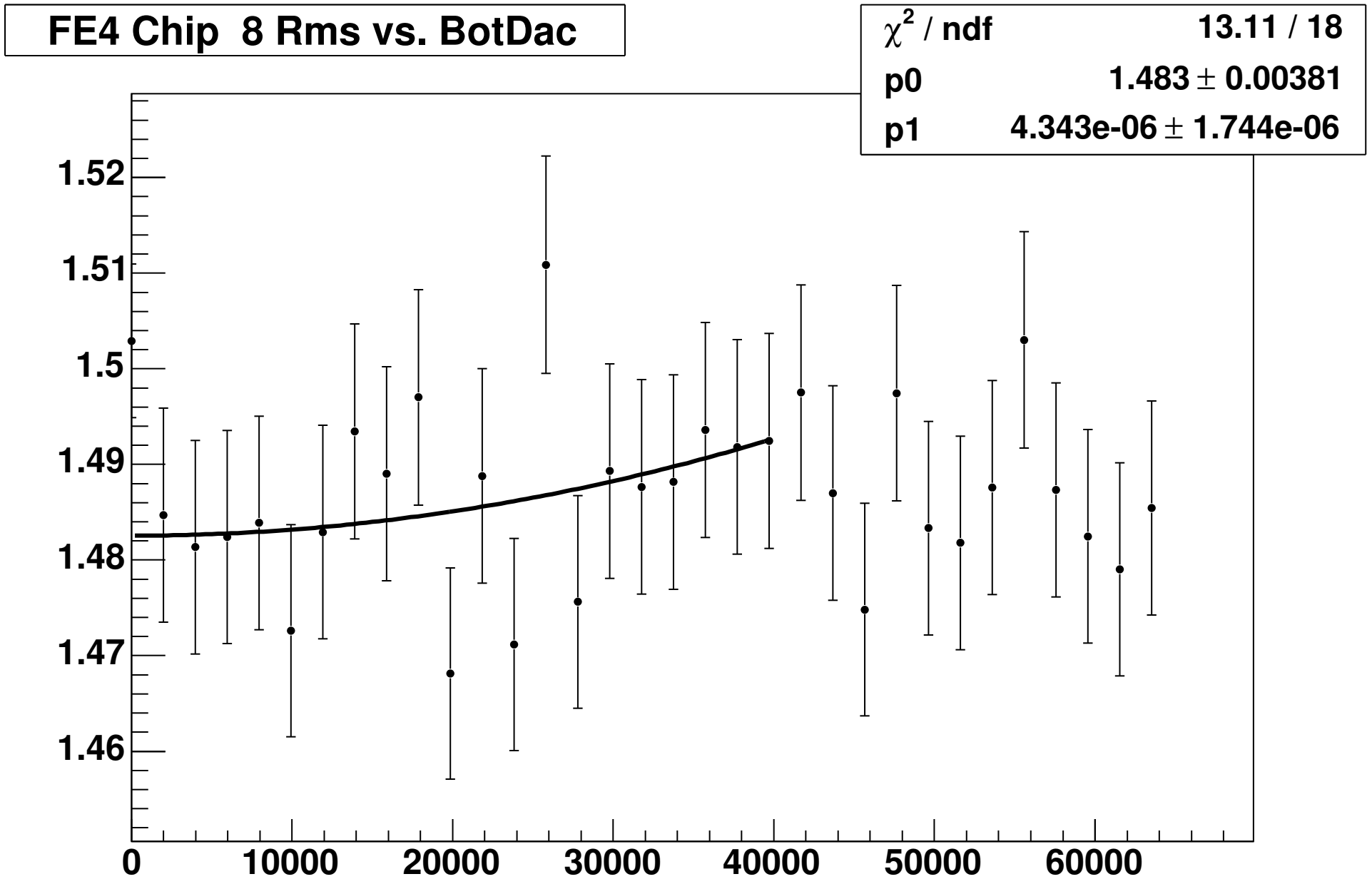
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 13.11 / 18
p0 1.483 ± 0.00381
p1 4.343e-06 ± 1.744e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
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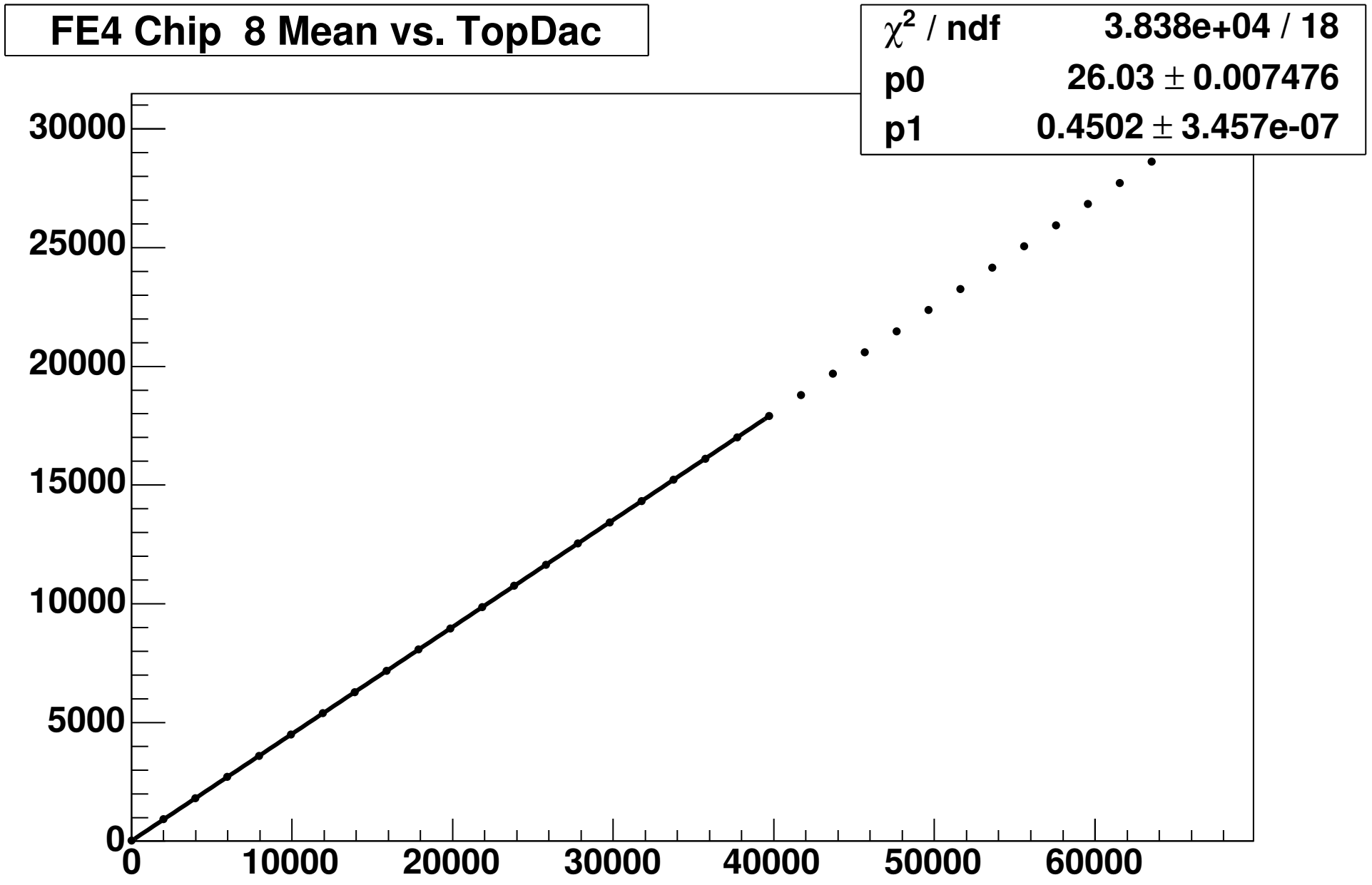
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 3.838e+04 / 18
p0 26.03 ± 0.007476
p1 0.4502 ± 3.457e-07
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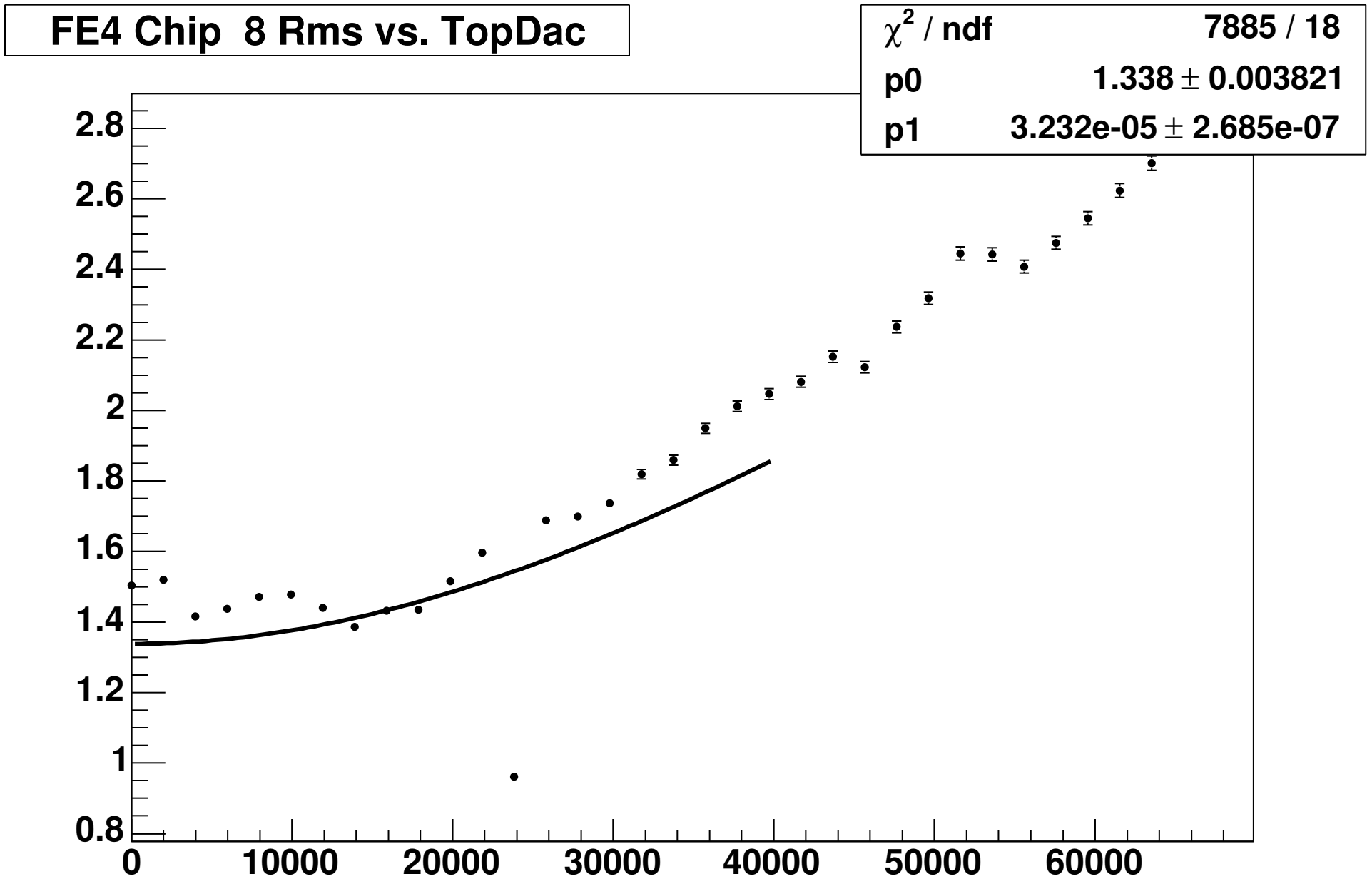
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 7885 / 18
p0 1.338 ± 0.003821
p1 3.232e-05 ± 2.685e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
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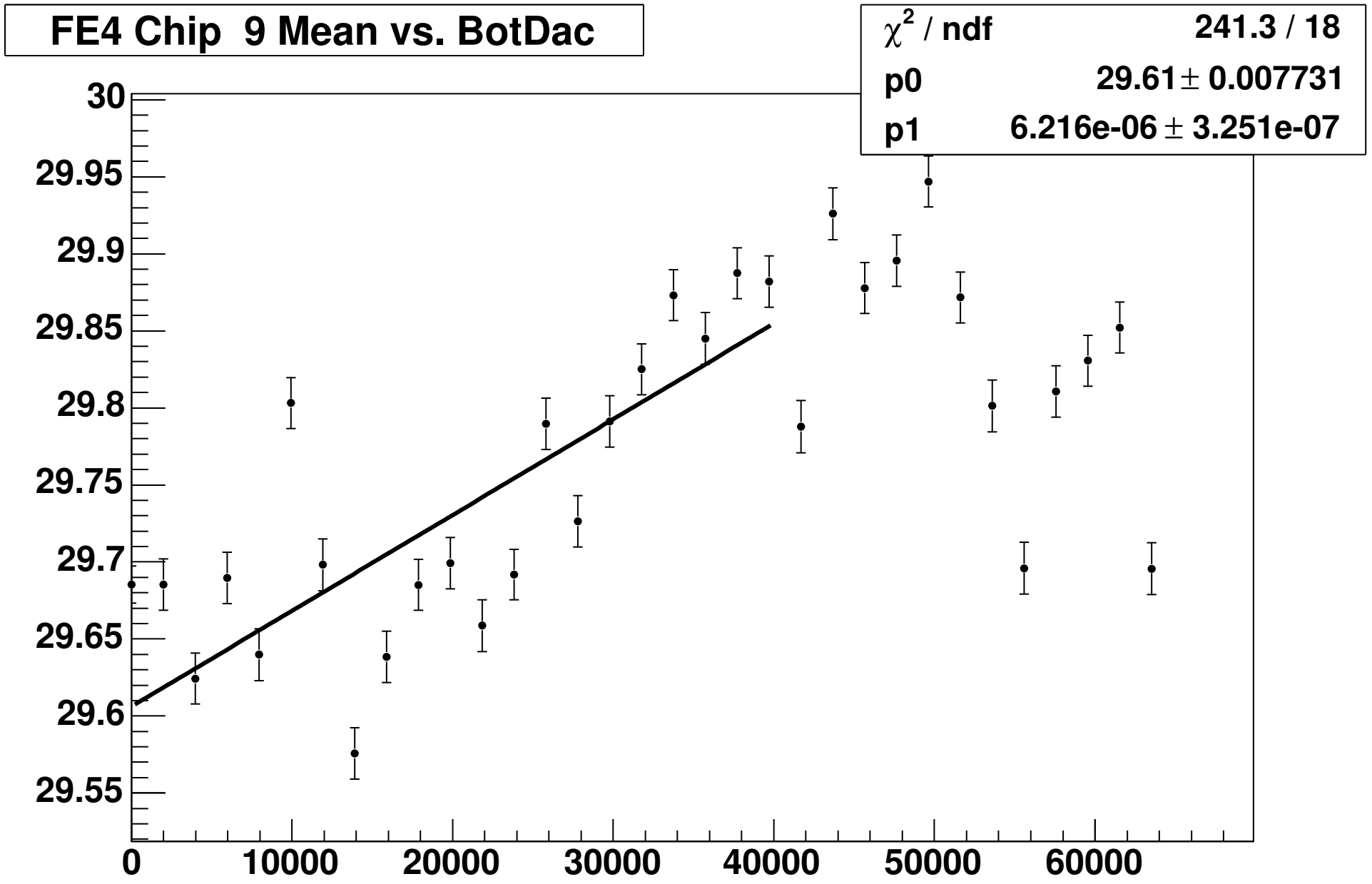
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 241.3 / 18
p0 29.61 ± 0.007731
p1 6.216e-06 ± 3.251e-07
30
29.95
29.9
29.85
29.8
29.75
29.7
29.65
29.6
29.55
0
10000
20000
30000
40000
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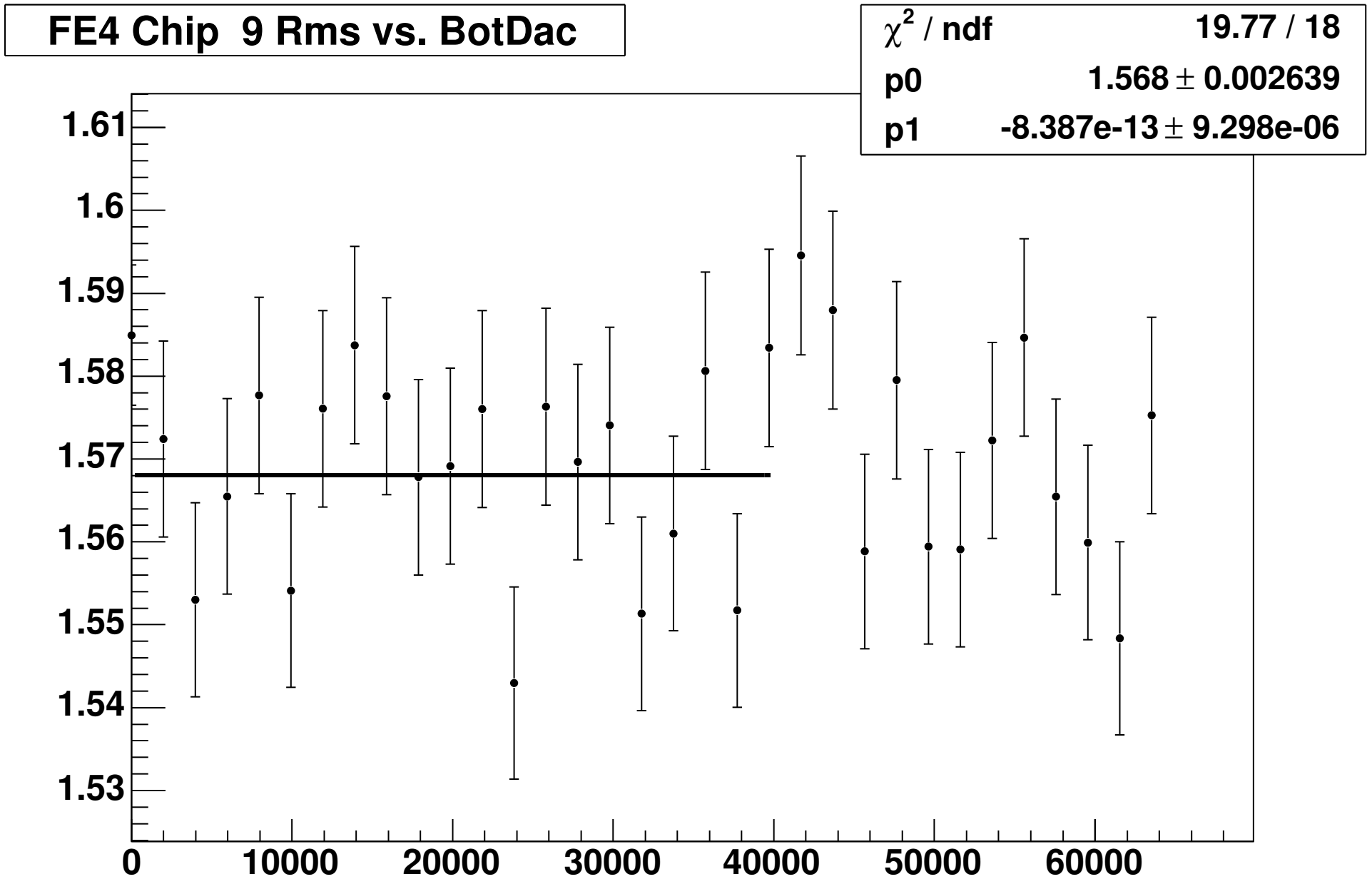
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 19.77 / 18
p0 1.568 ± 0.002639
p1 -8.387e-13 ± 9.298e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
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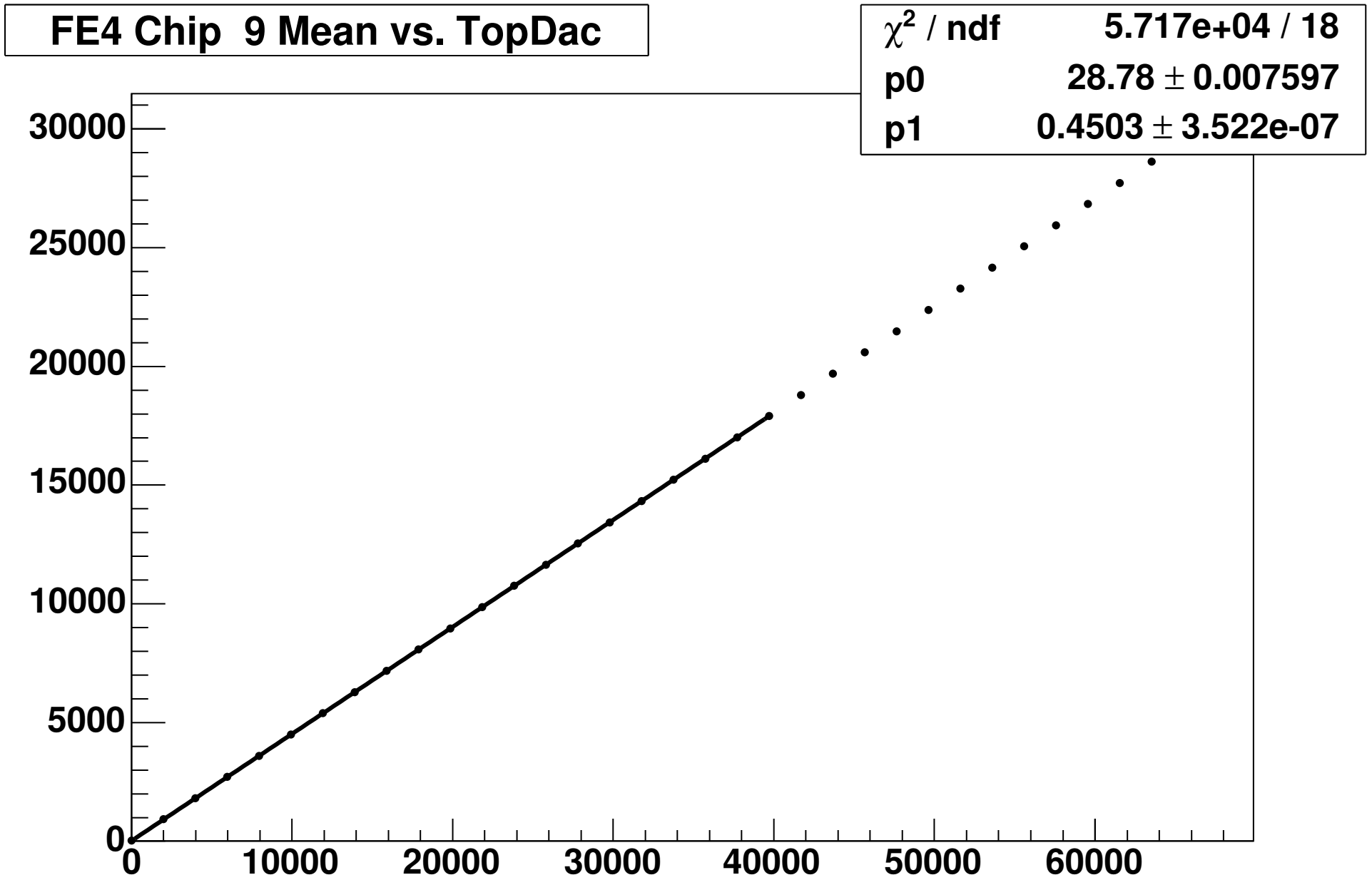
40000
50000
60000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 5.717e+04 / 18
p0 28.78 ± 0.007597
p1 0.4503 ± 3.522e-07
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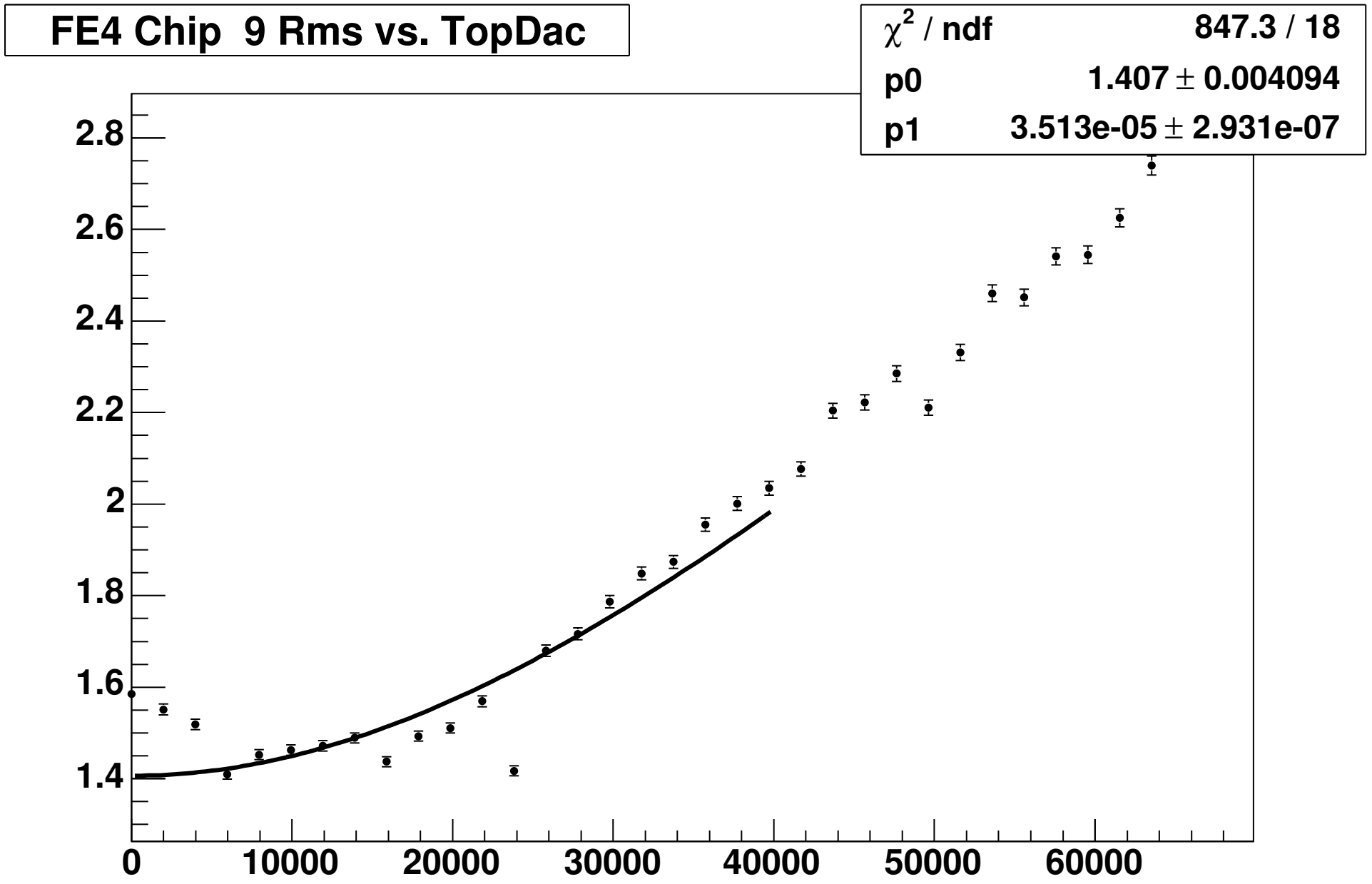
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 847.3 / 18
p0 1.407 ± 0.004094
p1 3.513e-05 ± 2.931e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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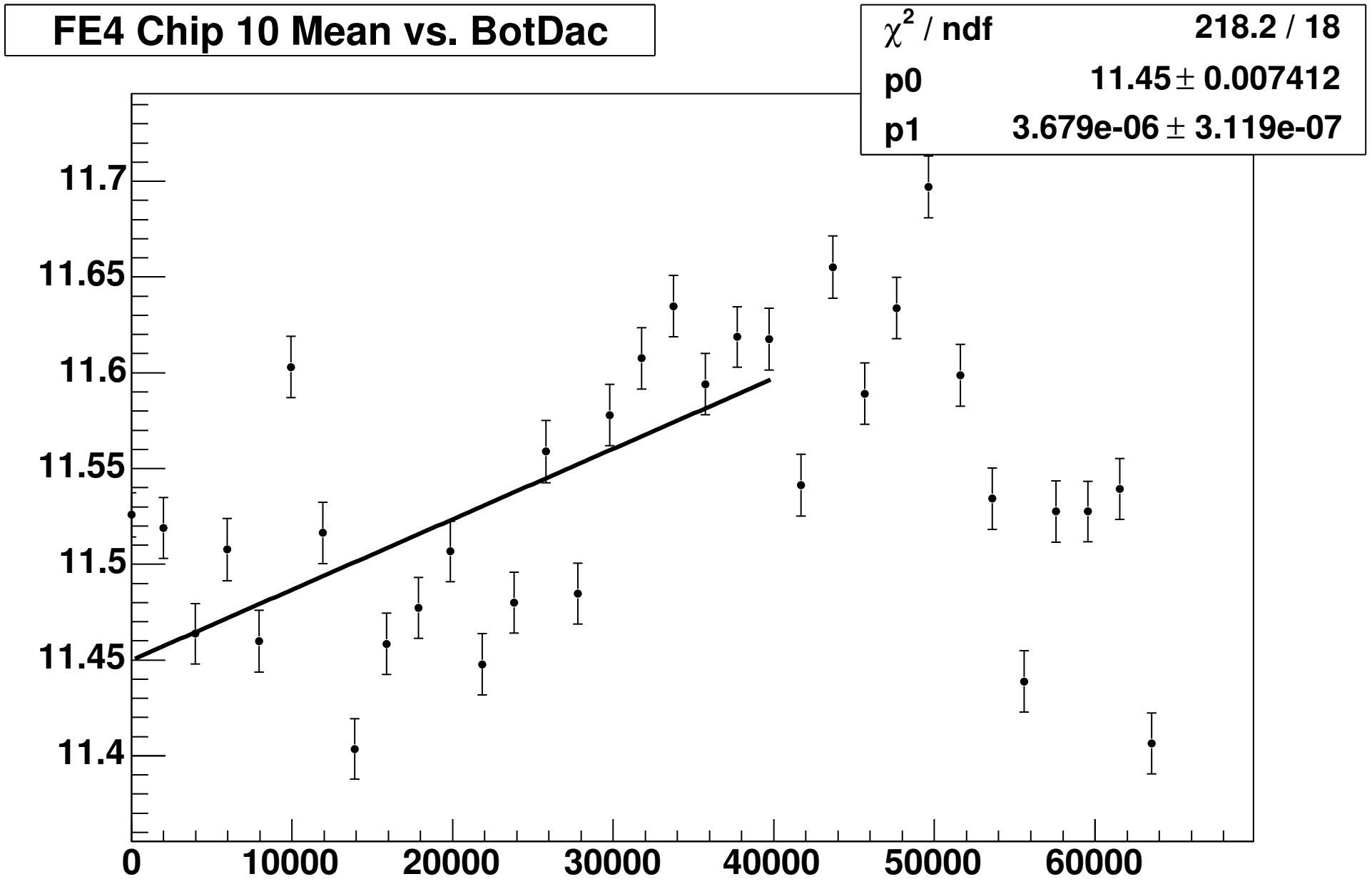
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 218.2 / 18
p0 11.45 ± 0.007412
p1 3.679e-06 ± 3.119e-07
11.7
11.65
11.6
11.55
11.5
11.45
11.4
0
10000
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30000
40000
50000
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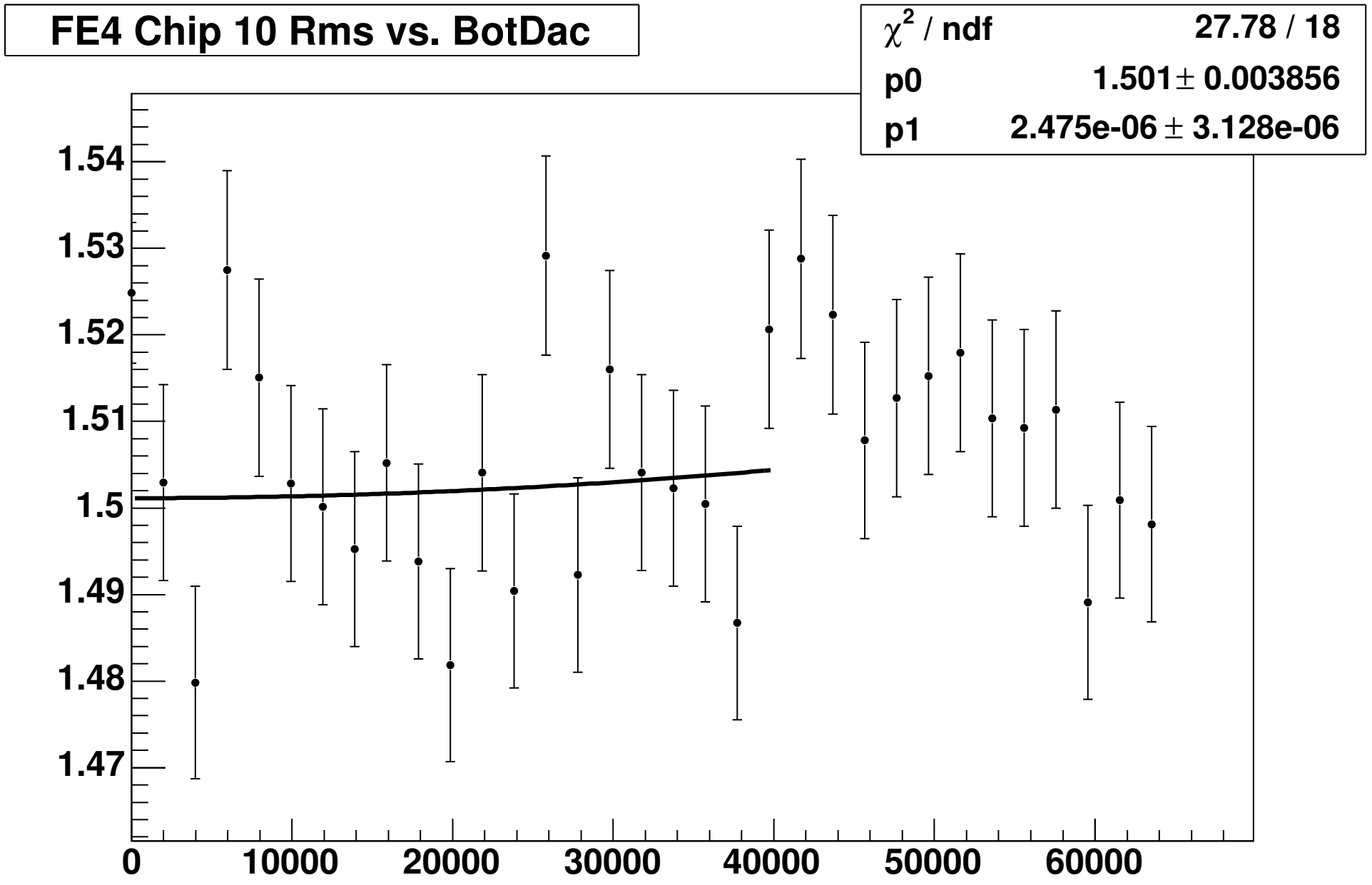
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 27.78 / 18
p0 1.501 ± 0.003856
p1 2.475e-06 ± 3.128e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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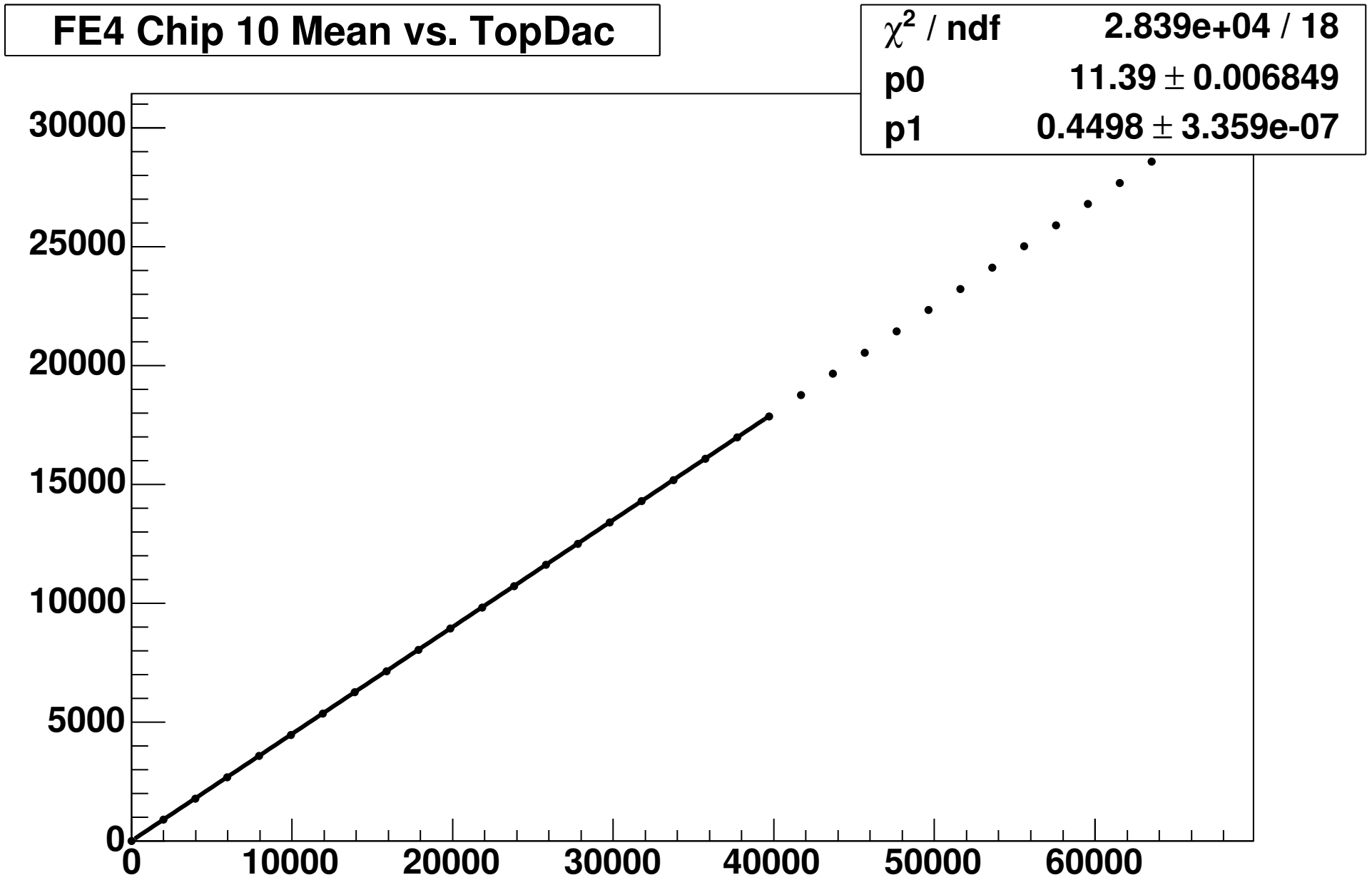
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 2.839e+04 / 18
p0 11.39 ± 0.006849
p1 0.4498 ± 3.359e-07
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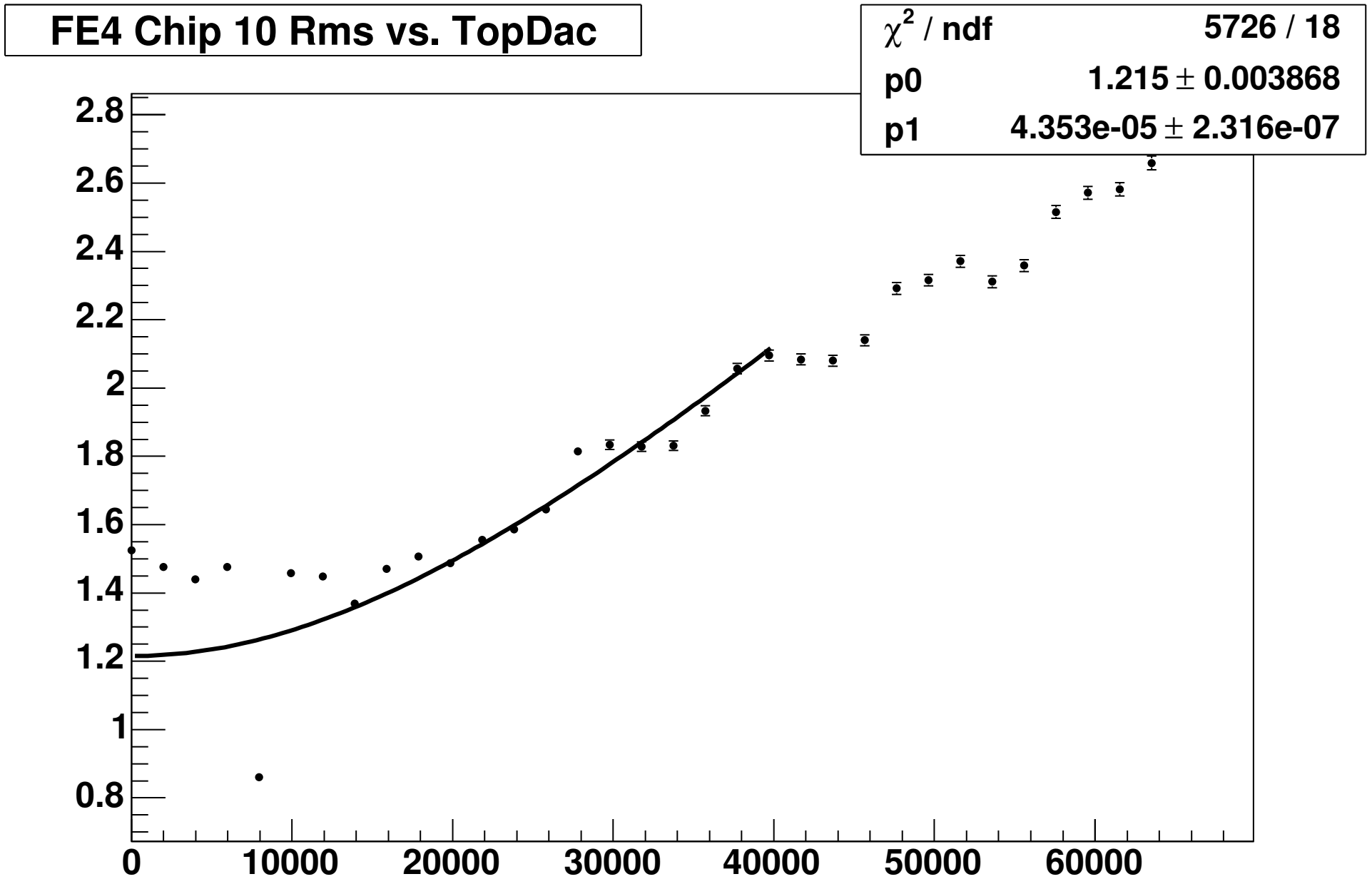
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 5726 / 18
p0 1.215 ± 0.003868
p1 4.353e-05 ± 2.316e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
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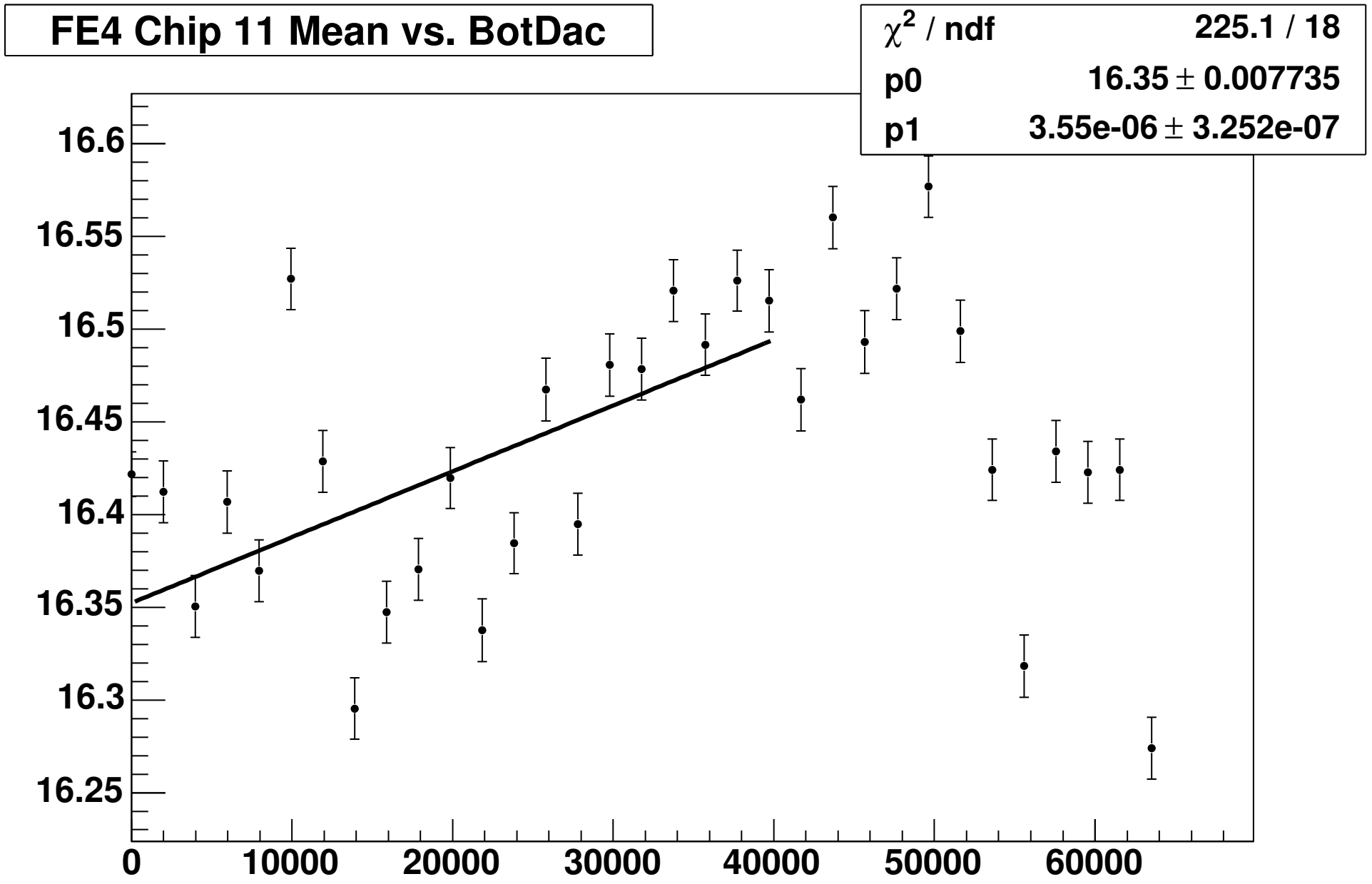
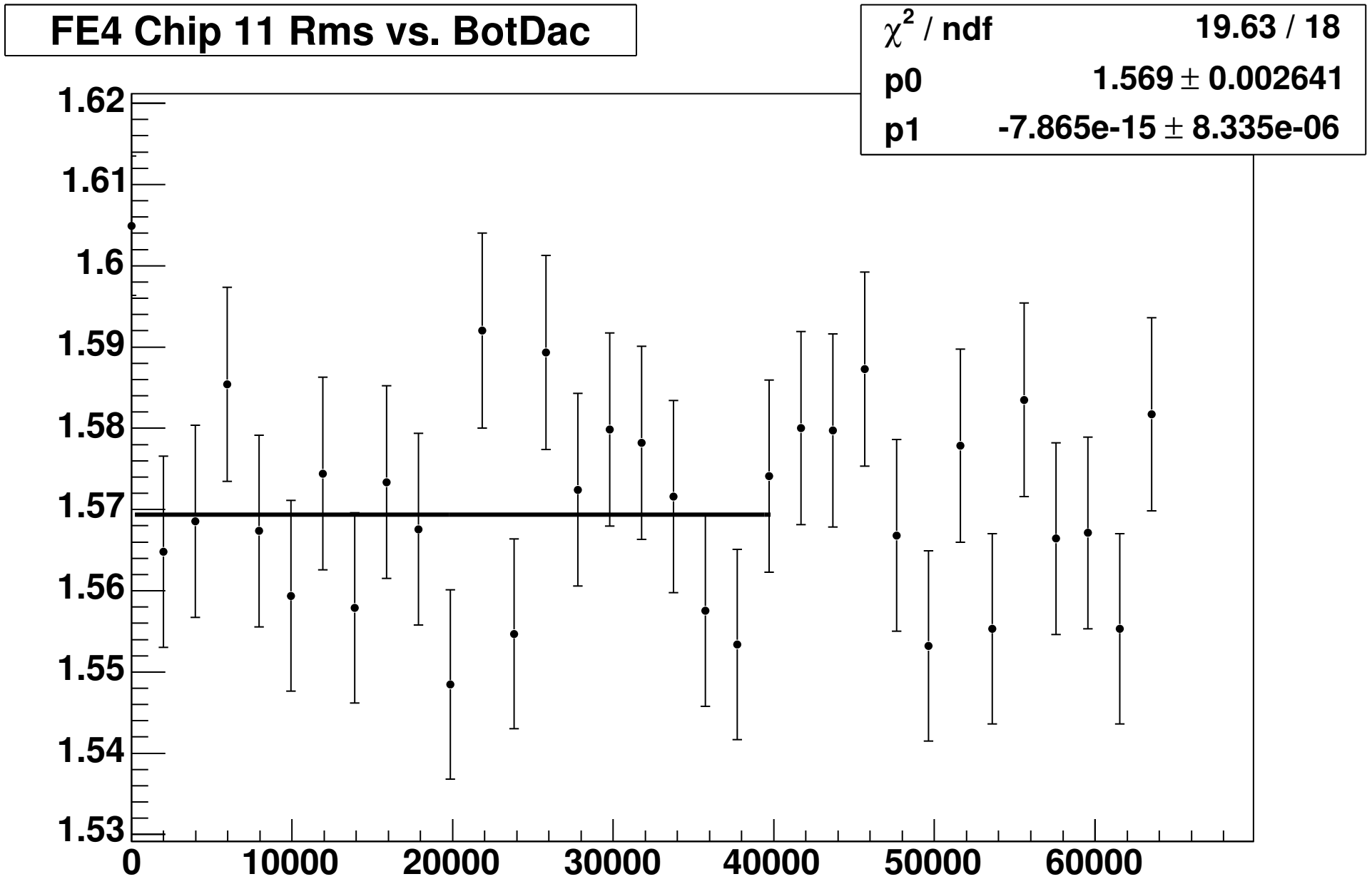

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 225.1 / 18
p0 16.35 ± 0.007735
p1 3.55e-06 ± 3.252e-07
16.6
16.55
16.5
16.45
16.4
16.35
16.3
16.25
0
10000
20000
30000
40000
50000
60000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 19.63 / 18
p0 1.569 ± 0.002641
p1 -7.865e-15 ± 8.335e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
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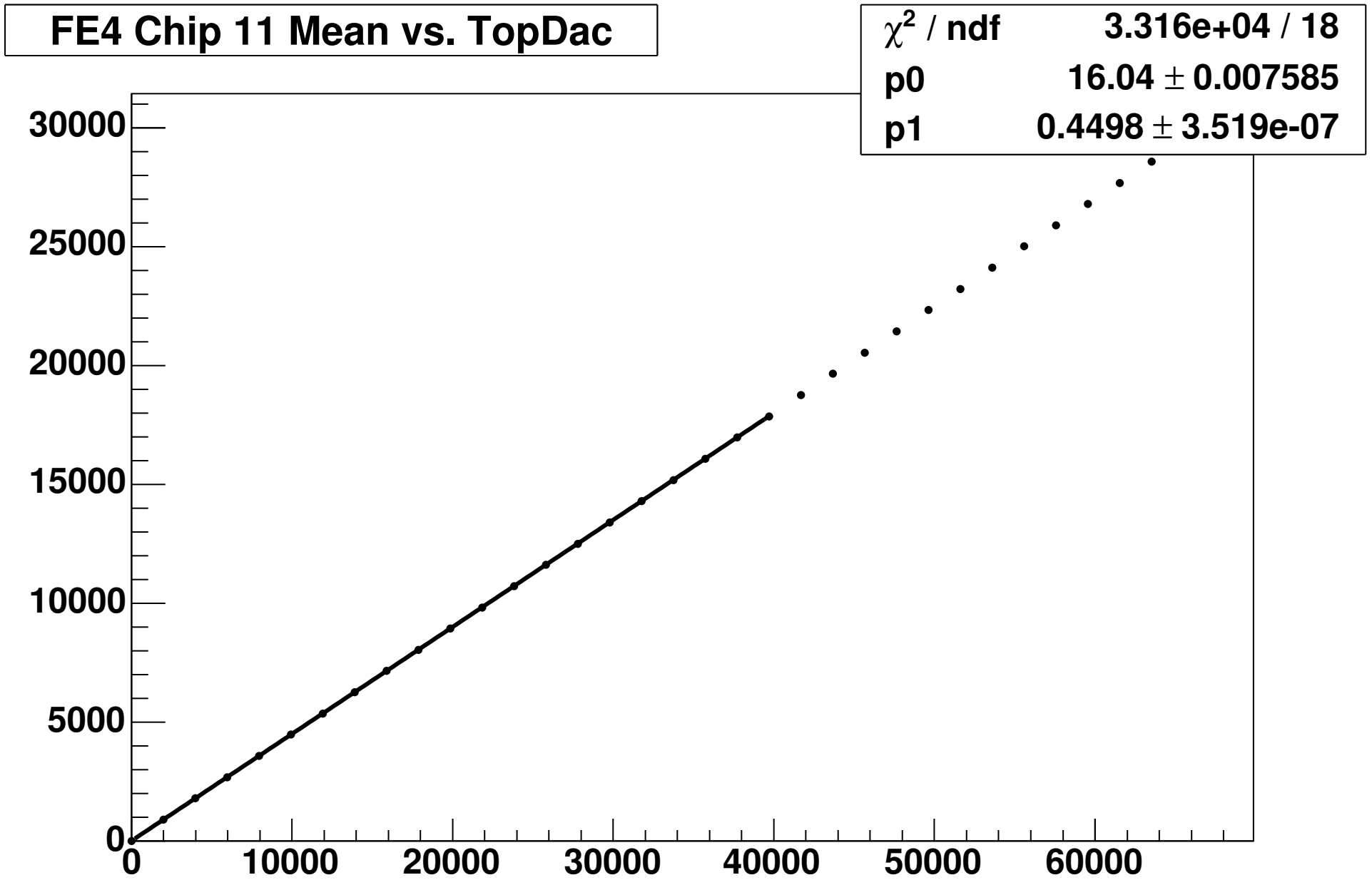
60000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 3.316e+04 / 18
p0 16.04 ± 0.007585
p1 0.4498 ± 3.519e-07
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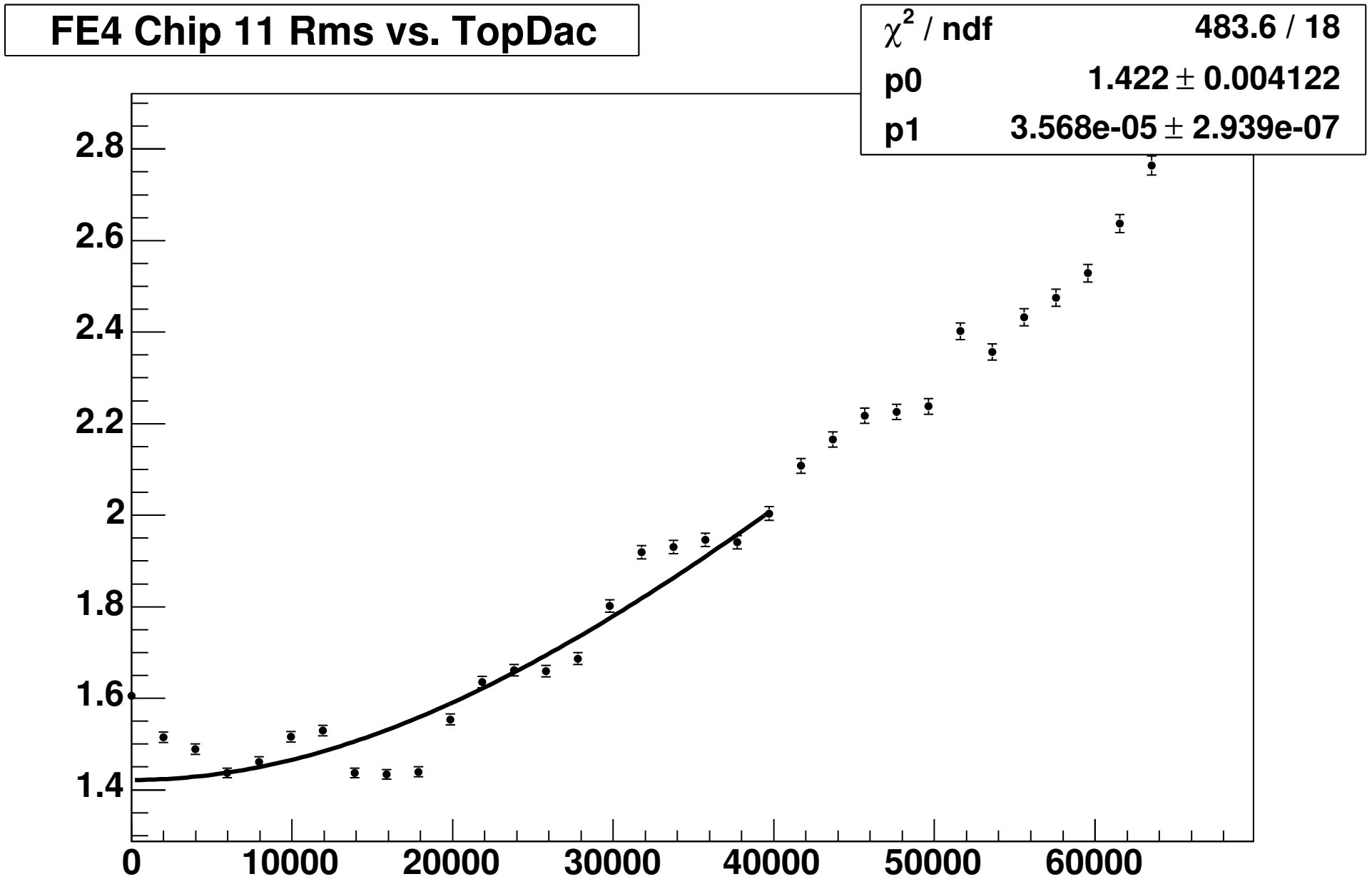
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 483.6 / 18
p0 1.422 ± 0.004122
p1 3.568e-05 ± 2.939e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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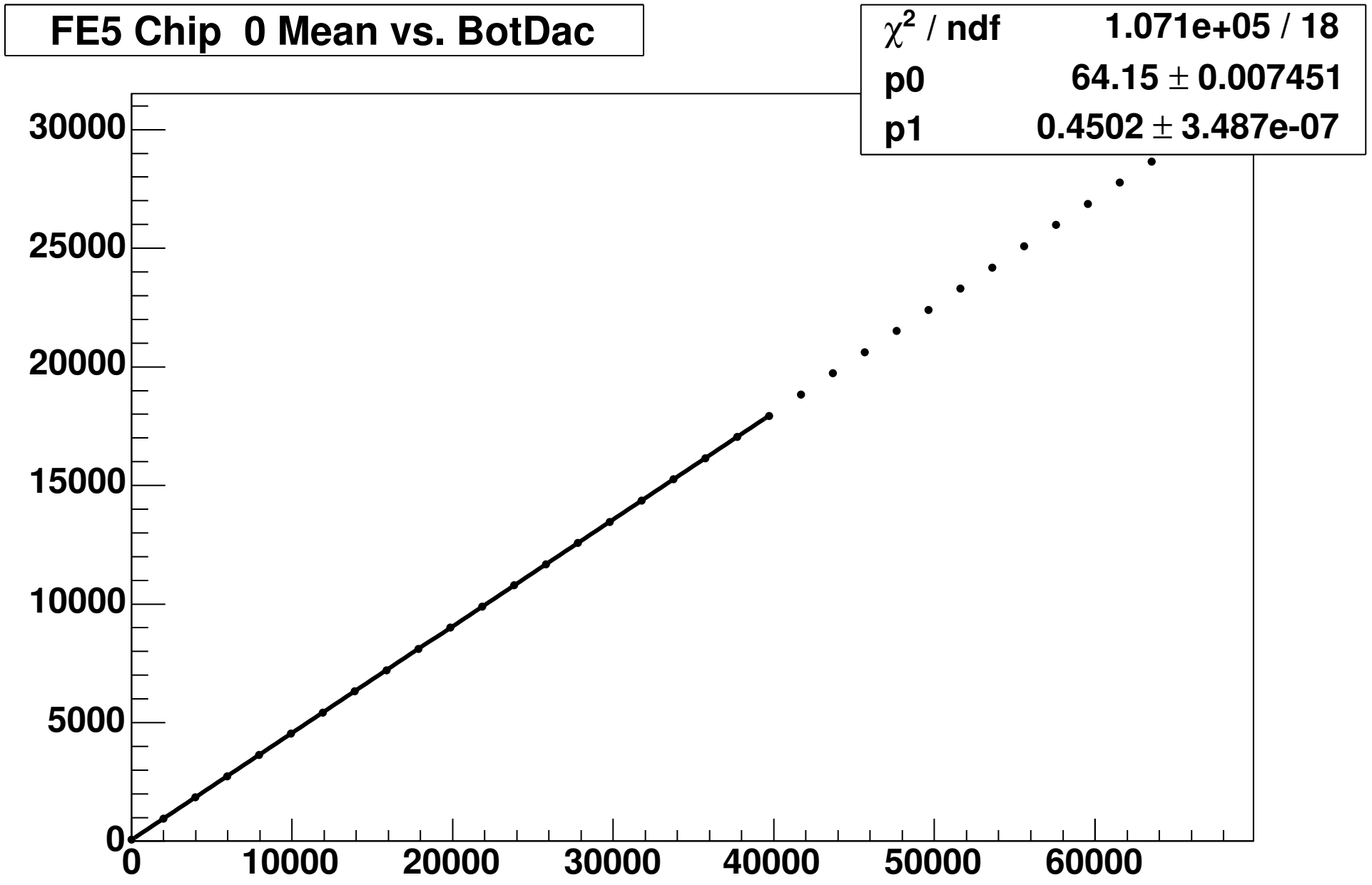
40000
50000
60000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.071e+05 / 18
p0 64.15 ± 0.007451
p1 0.4502 ± 3.487e-07
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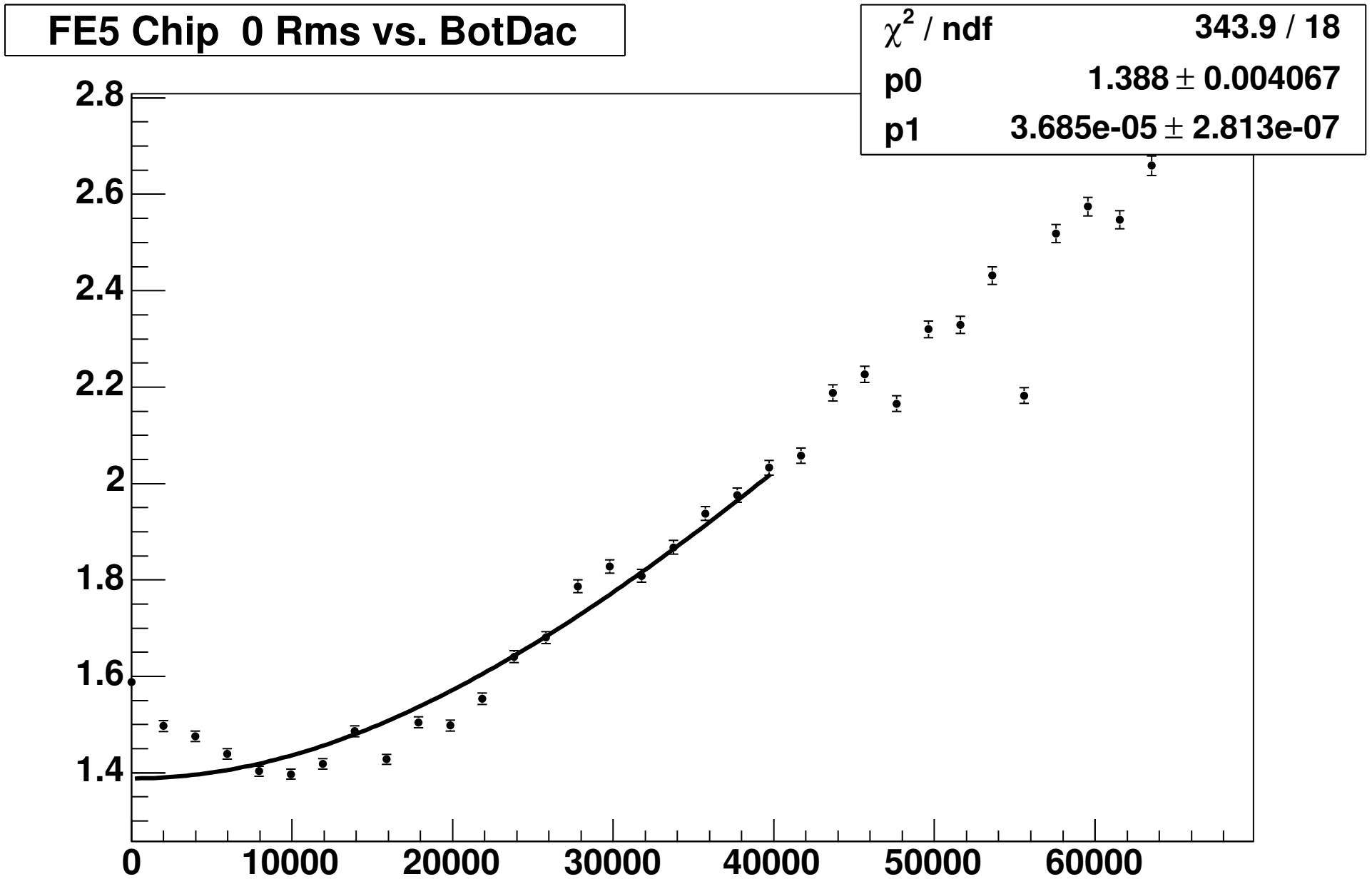
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 343.9 / 18
p0 1.388 ± 0.004067
p1 3.685e-05 ± 2.813e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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50000
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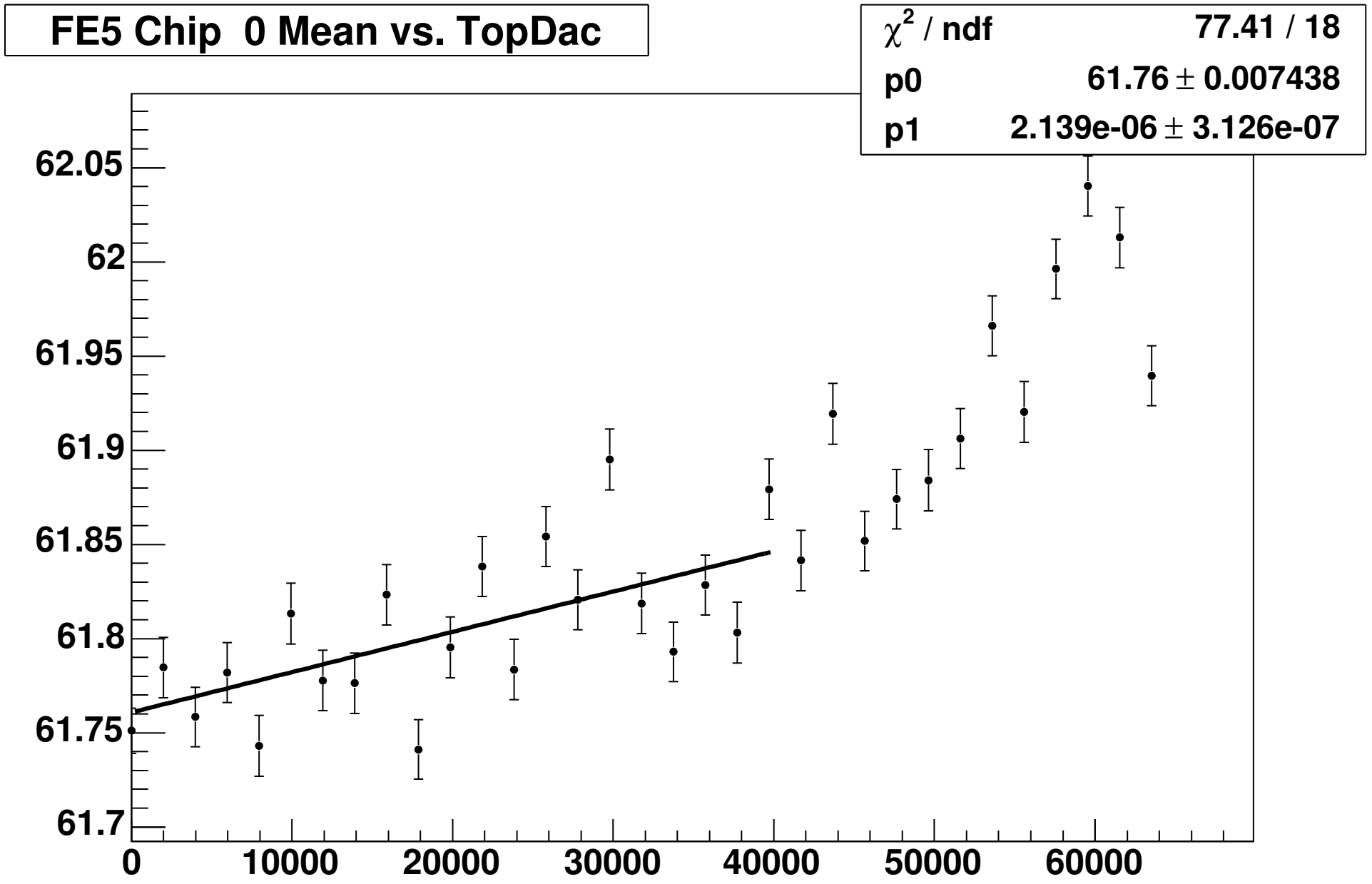
FE5 Chip 0 Mean vs. TopDac
χ^2 / ndf 77.41 / 18
p0 61.76 ± 0.007438
p1 2.139e-06 ± 3.126e-07
62.05
62
61.95
61.9
61.85
61.8
61.75
61.7
0
10000
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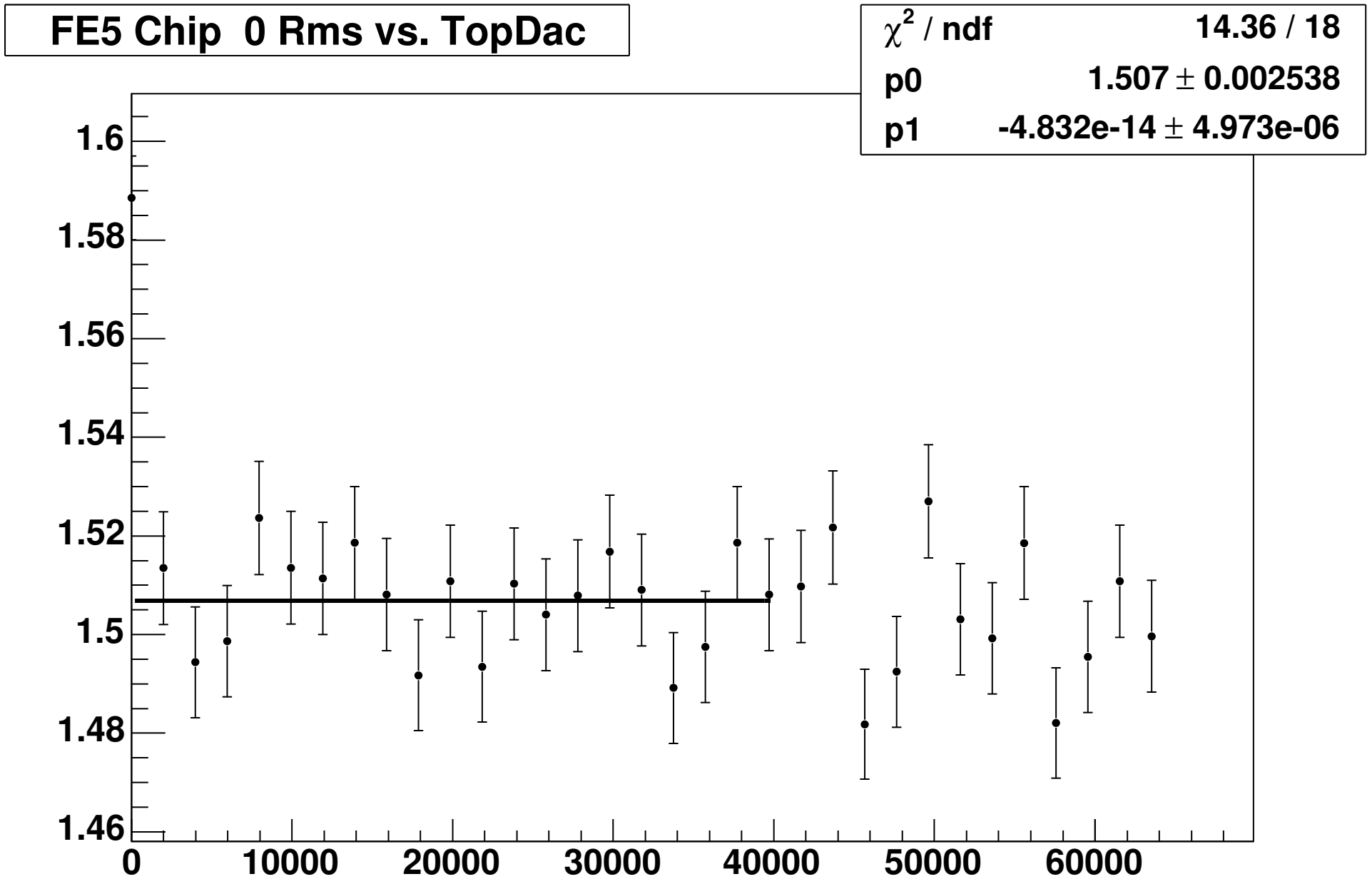
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 14.36 / 18
p0 1.507 ± 0.002538
p1 -4.832e-14 ± 4.973e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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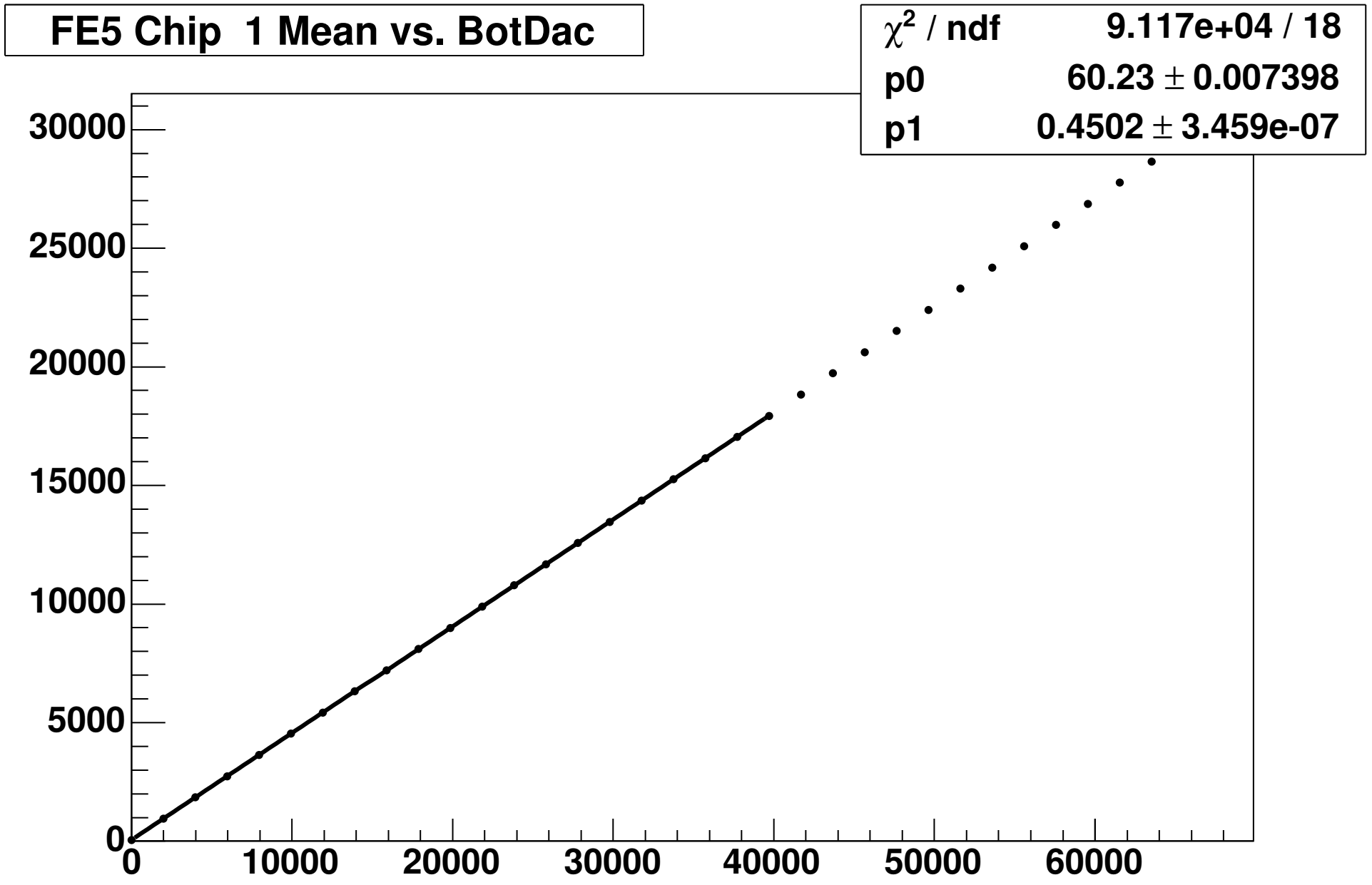
FE5 Chip 1 Mean vs. BotDac
χ² / ndf 9.117e+04 / 18
p0 60.23 ± 0.007398
p1 0.4502 ± 3.459e-07
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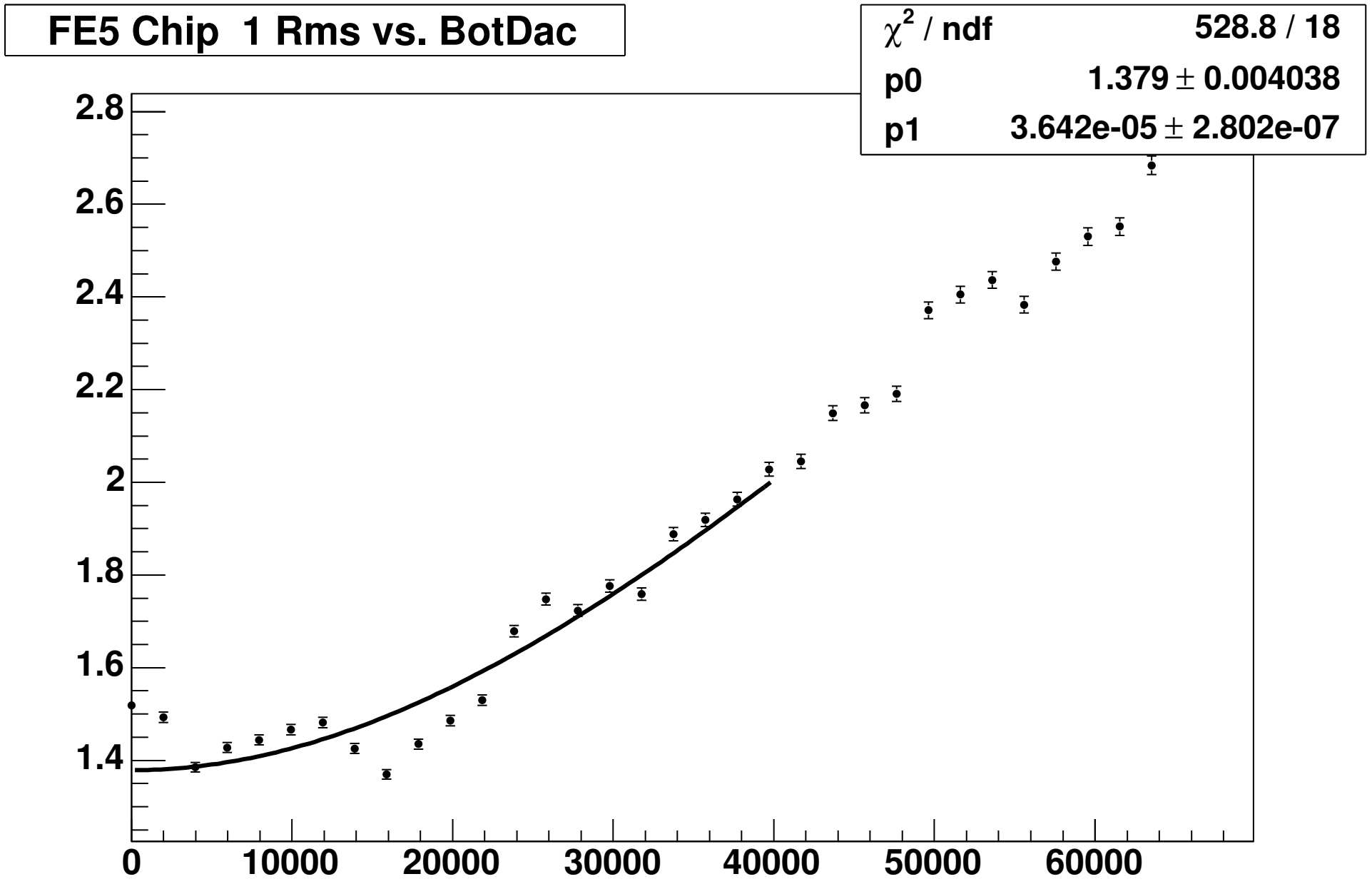
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 528.8 / 18
p0 1.379 ± 0.004038
p1 3.642e-05 ± 2.802e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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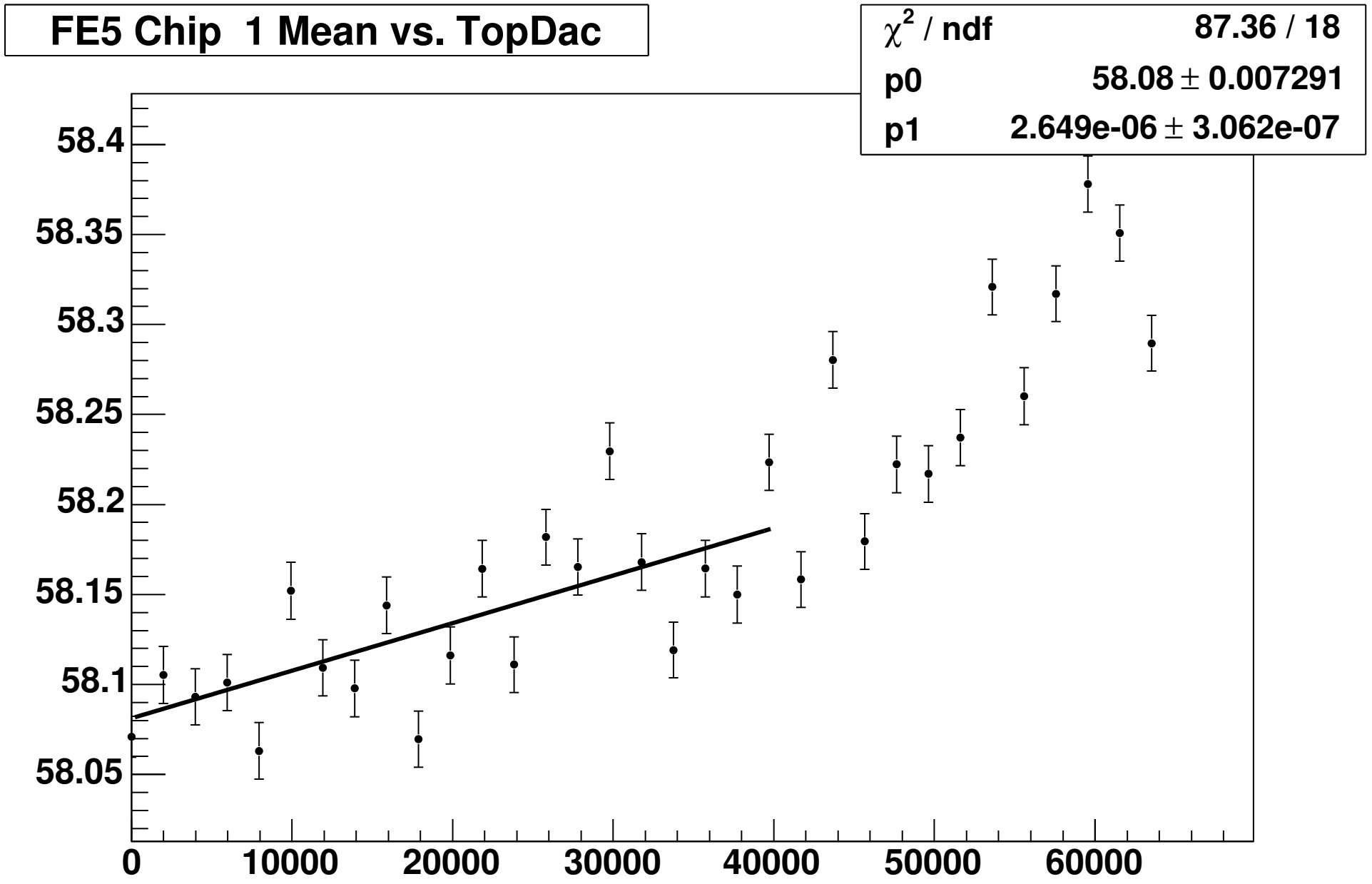
60000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 87.36 / 18
p0 58.08 ± 0.007291
p1 2.649e-06 ± 3.062e-07
58.4
58.35
58.3
58.25
58.2
58.15
58.1
58.05
0
10000
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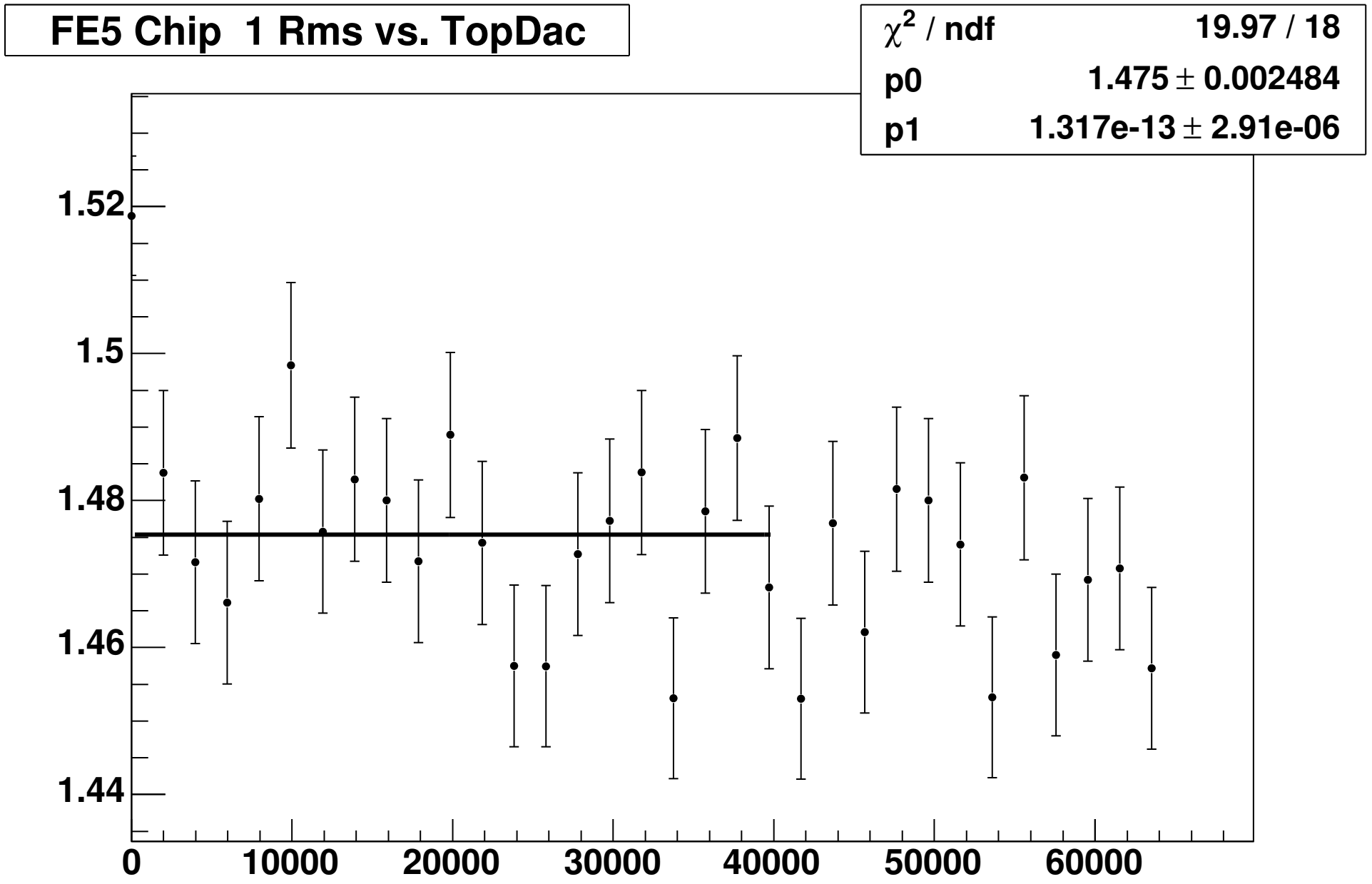
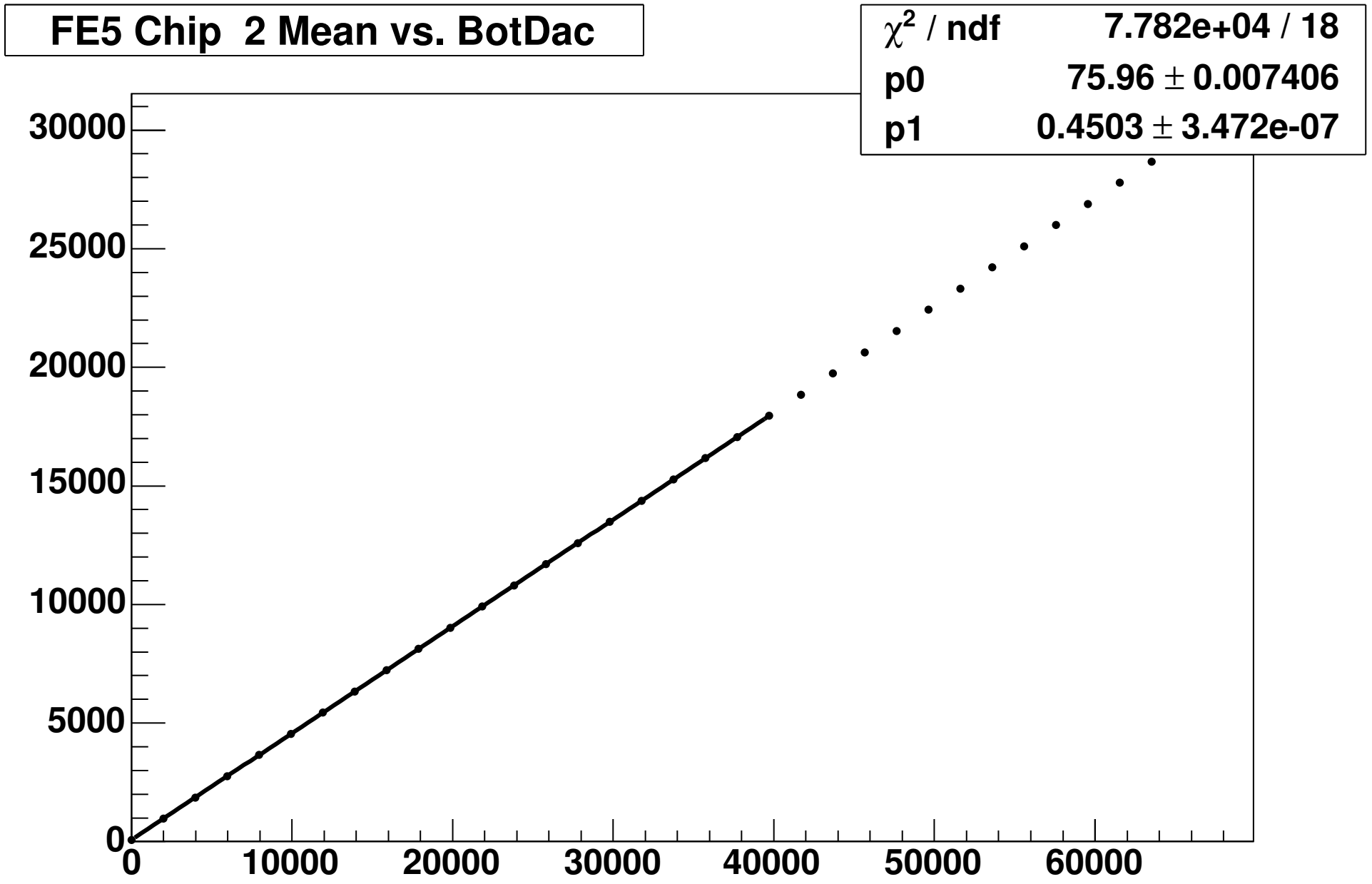
30000
40000
50000
60000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 19.97 / 18
p0 1.475 ± 0.002484
p1 1.317e-13 ± 2.91e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 7.782e+04 / 18
p0 75.96 ± 0.007406
p1 0.4503 ± 3.472e-07
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15000
10000
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0
0
10000
20000
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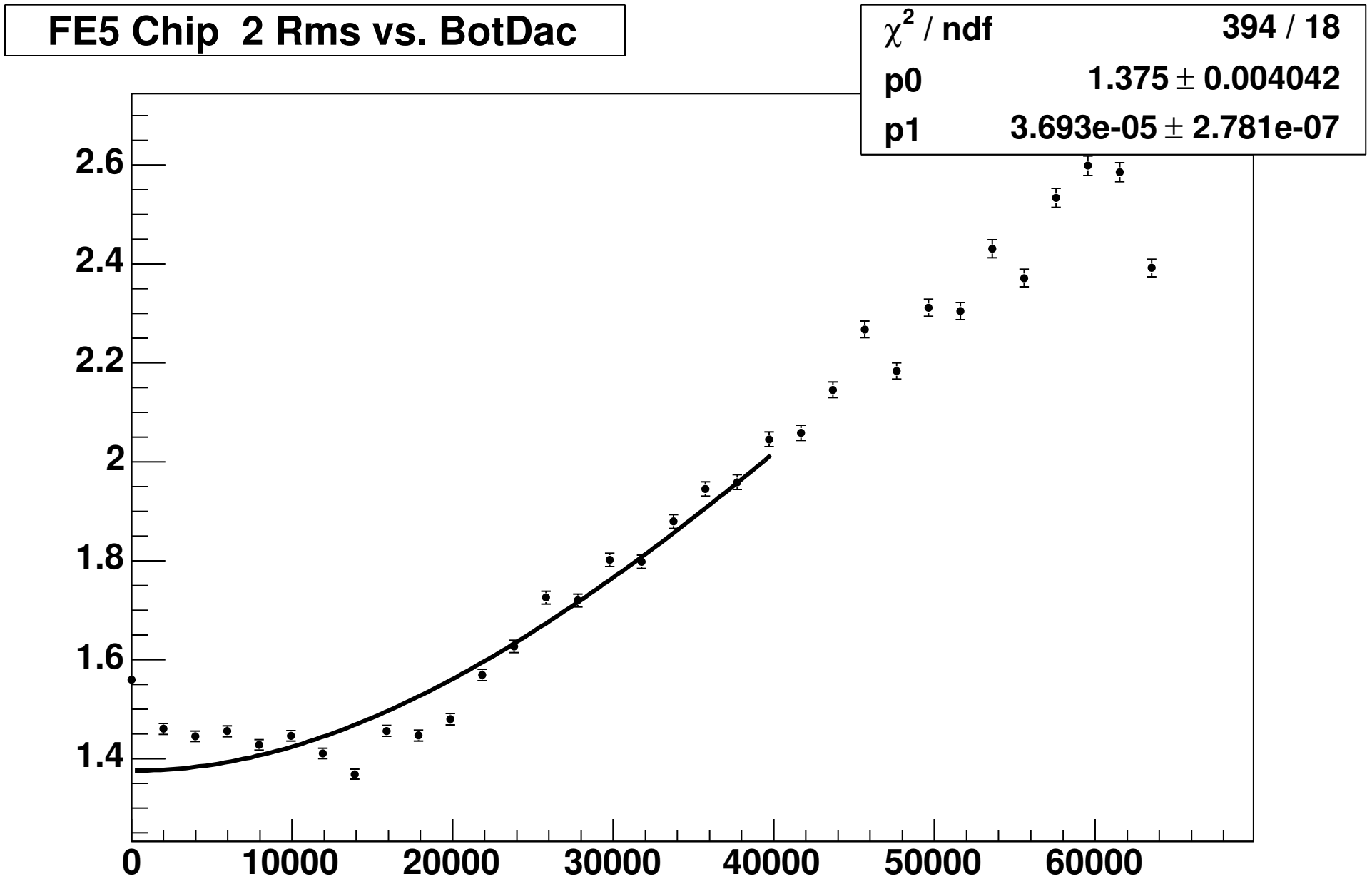
50000
60000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 394 / 18
p0 1.375 ± 0.004042
p1 3.693e-05 ± 2.781e-07
2.6
2.4
2.2
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1.8
1.6
1.4
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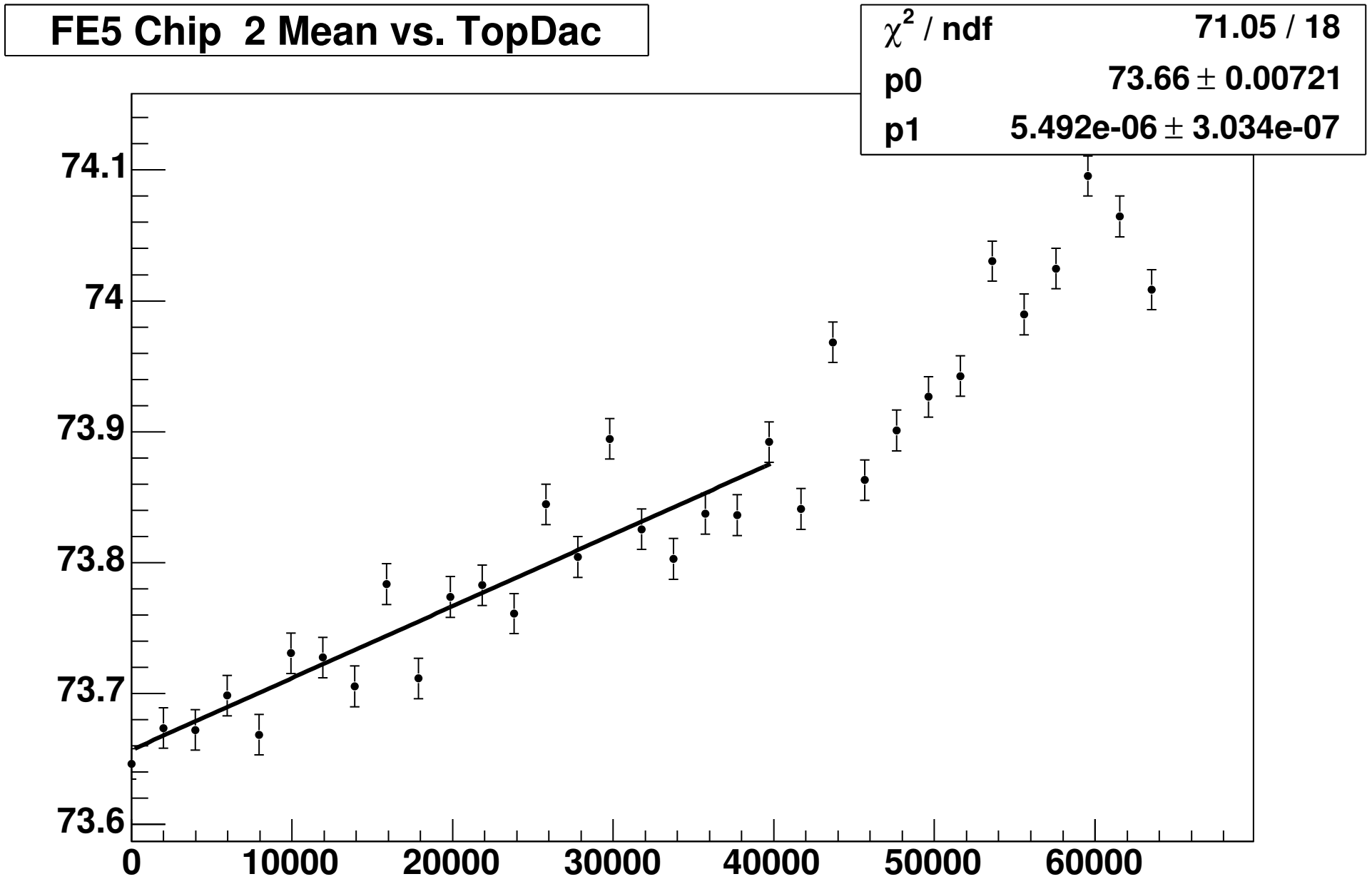
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 71.05 / 18
p0 73.66 ± 0.00721
p1 5.492e-06 ± 3.034e-07
74.1
74
73.9
73.8
73.7
73.6
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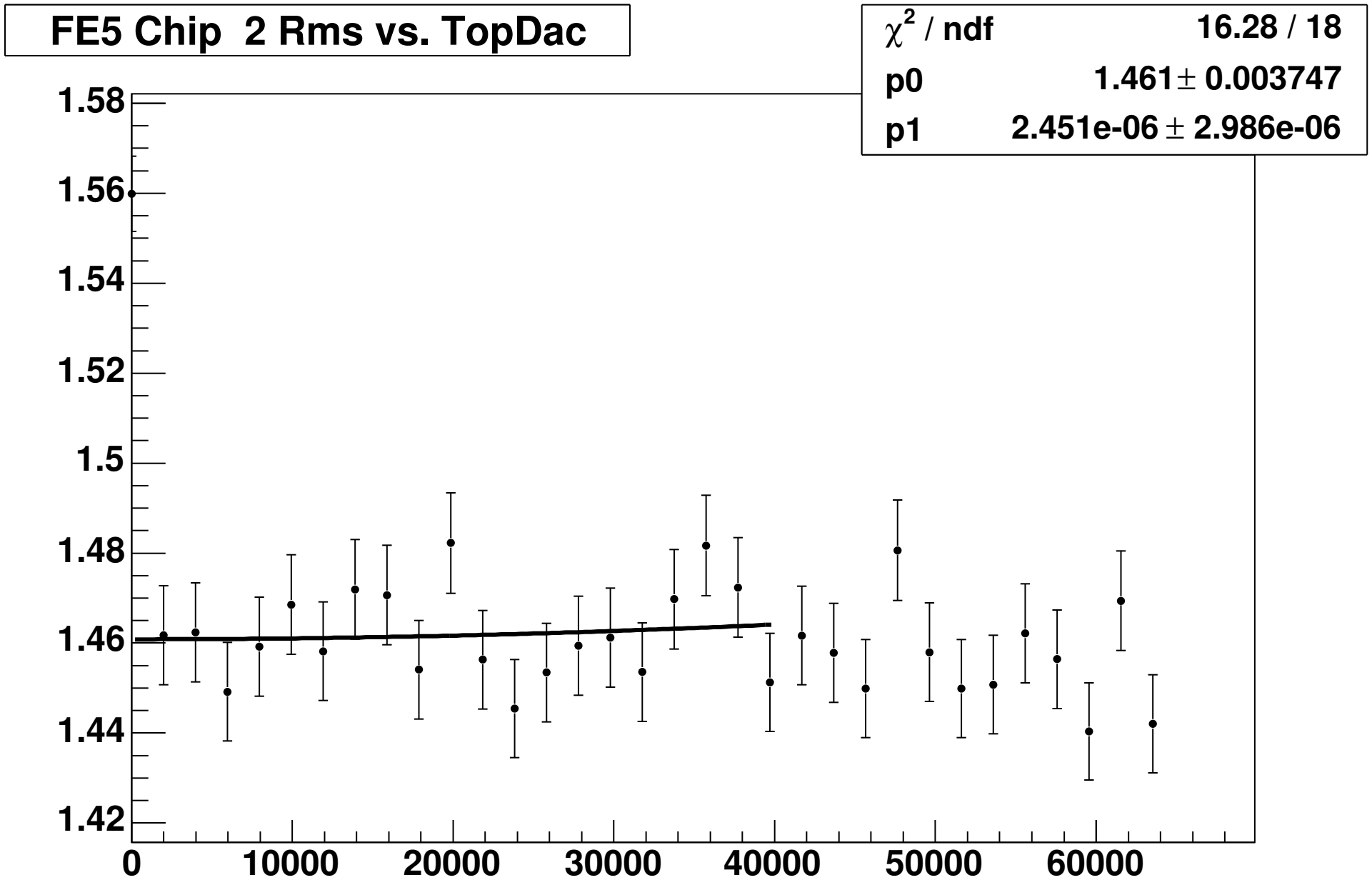
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 16.28 / 18
p0 1.461 ± 0.003747
p1 2.451e-06 ± 2.986e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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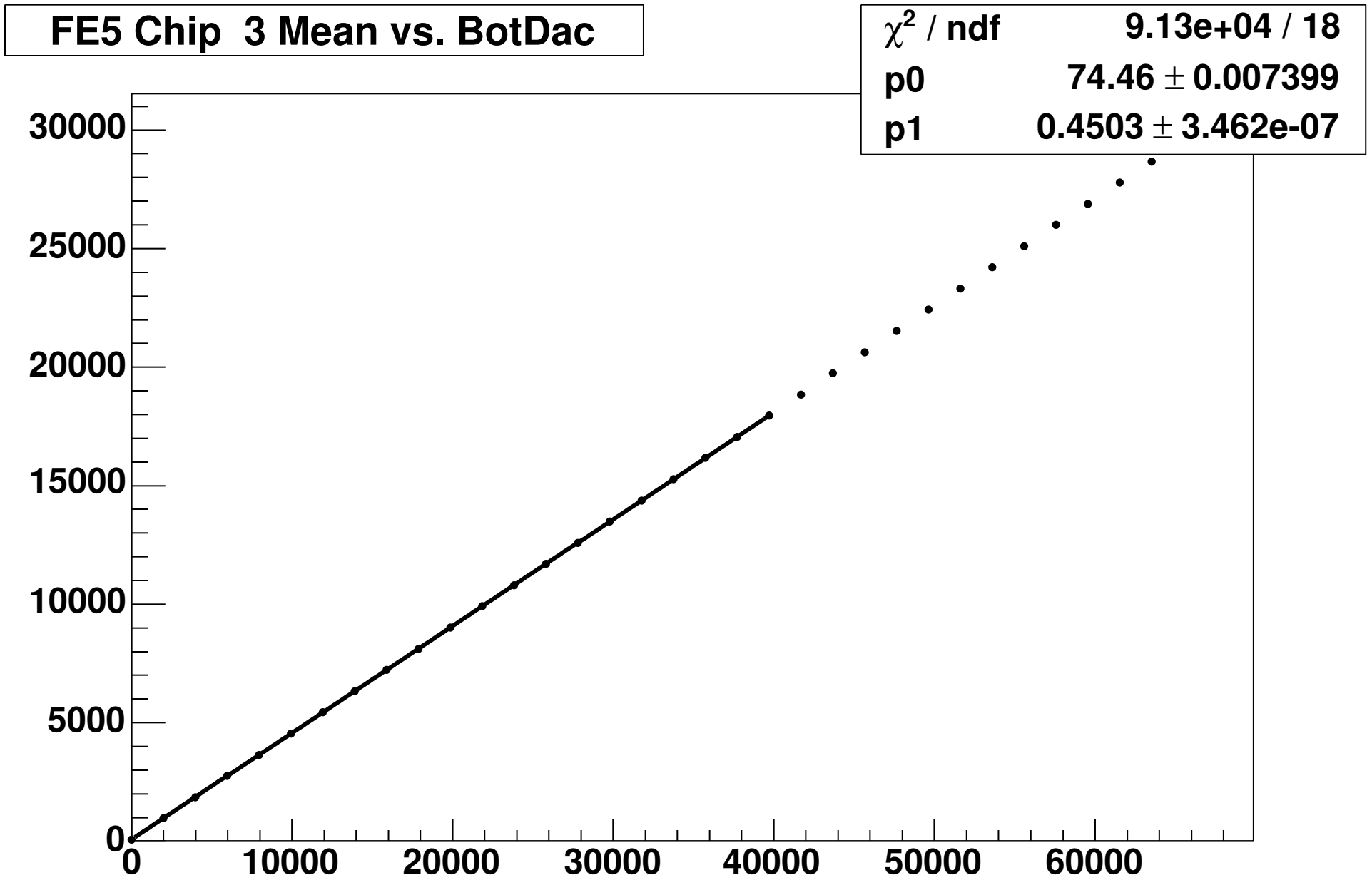
FE5 Chip 3 Mean vs. BotDac
χ² / ndf 9.13e+04 / 18
p0 74.46 ± 0.007399
p1 0.4503 ± 3.462e-07
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10000
5000
0
0
10000
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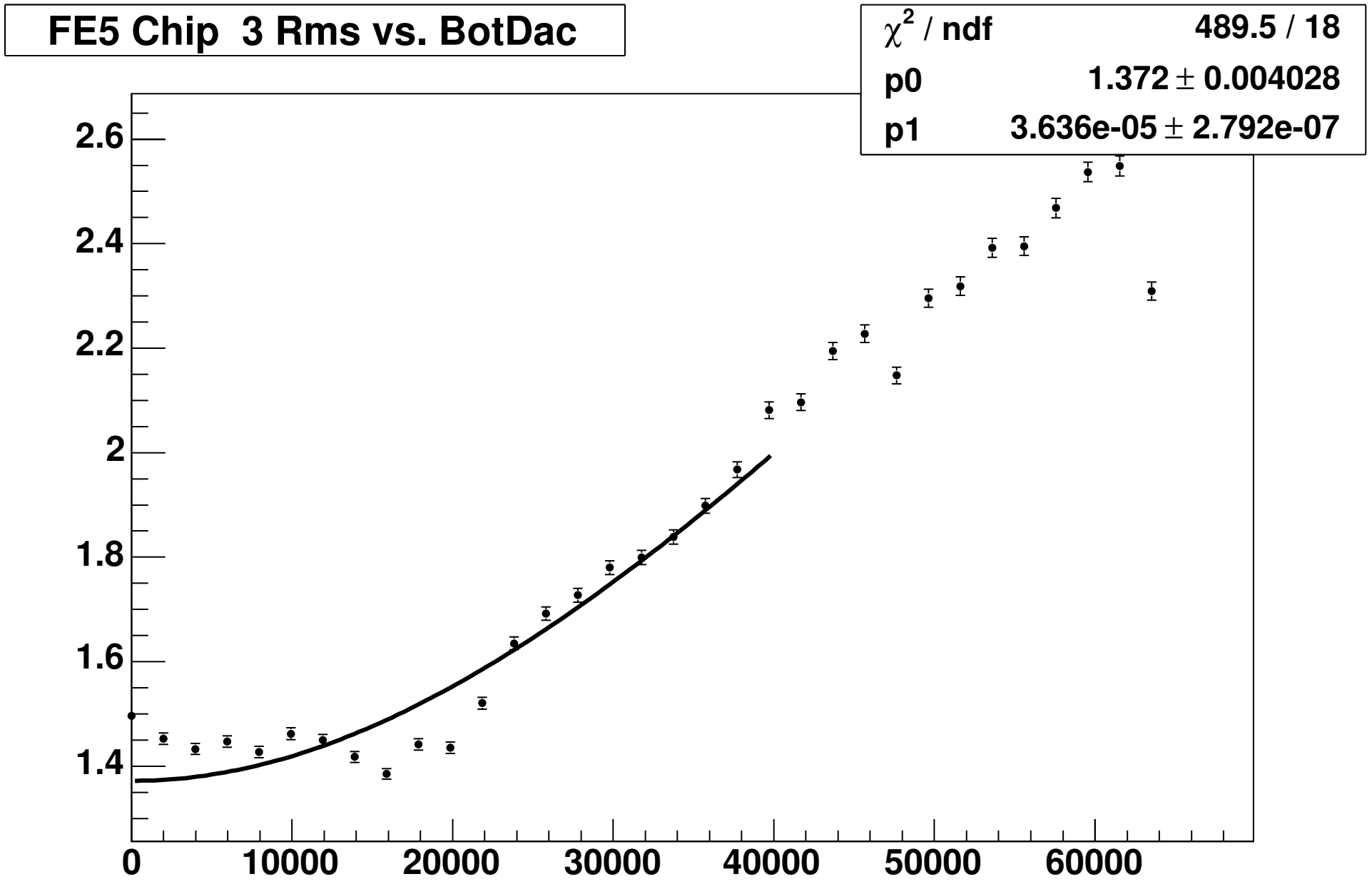
50000
60000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 489.5 / 18
p0 1.372 ± 0.004028
p1 3.636e-05 ± 2.792e-07
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2.4
2.2
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1.8
1.6
1.4
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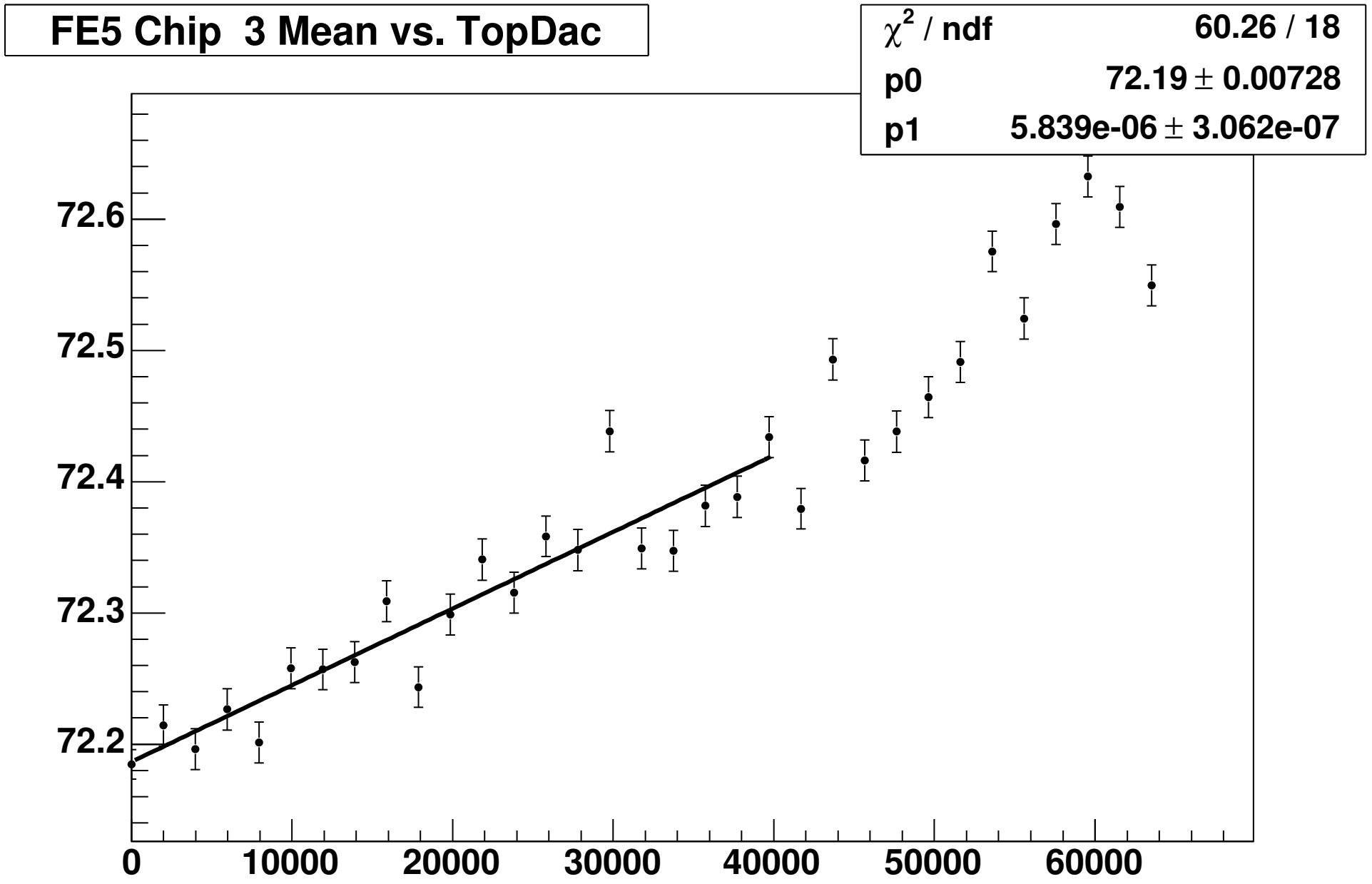
FE5 Chip 3 Mean vs. TopDac
χ^2 / ndf 60.26 / 18
p0 72.19 ± 0.00728
p1 5.839e-06 ± 3.062e-07
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72.5
72.4
72.3
72.2
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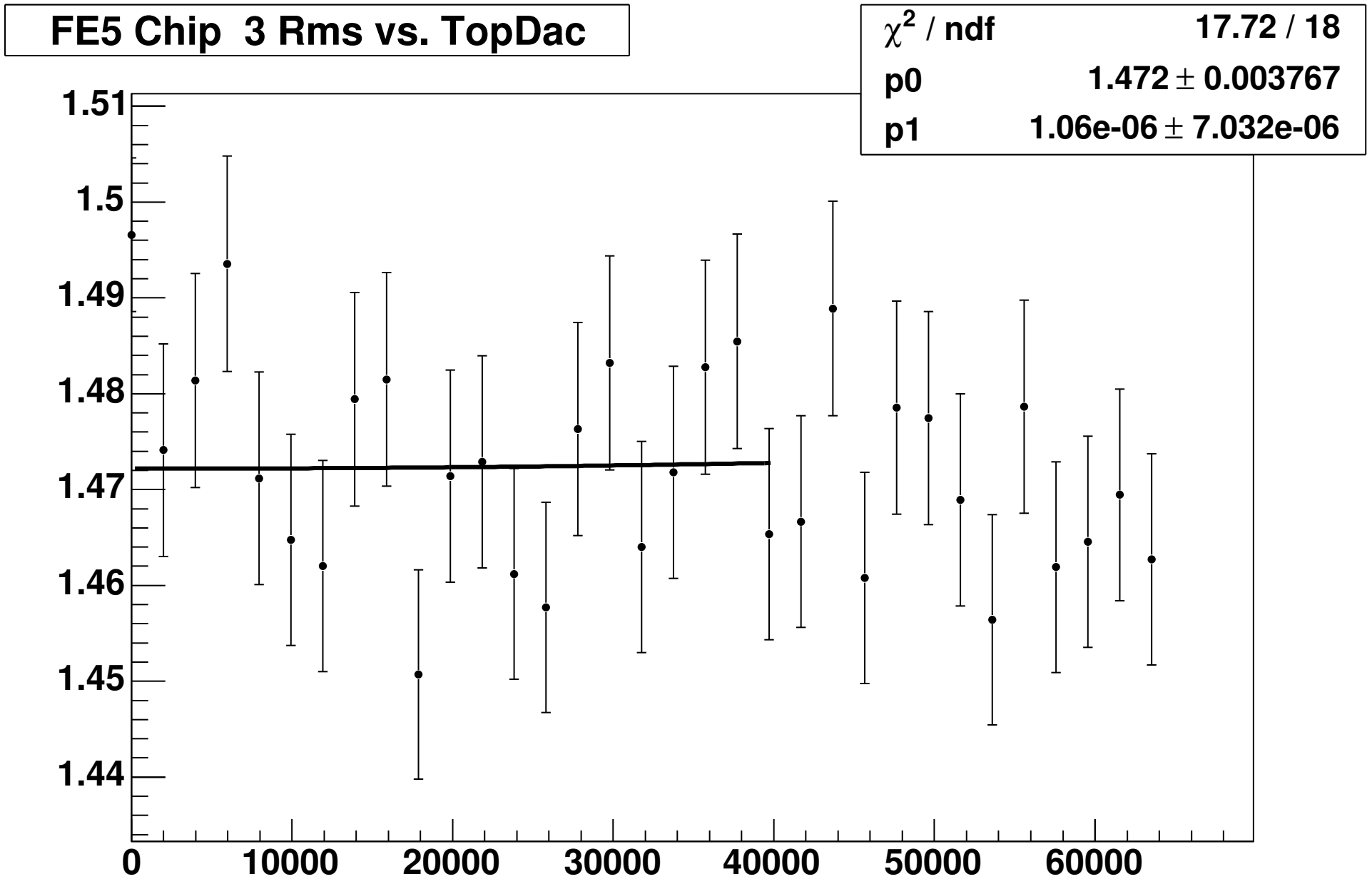
FE5 Chip 3 Rms vs. TopDac
χ^2 / ndf 17.72 / 18
p0 1.472 ± 0.003767
p1 1.06e-06 ± 7.032e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
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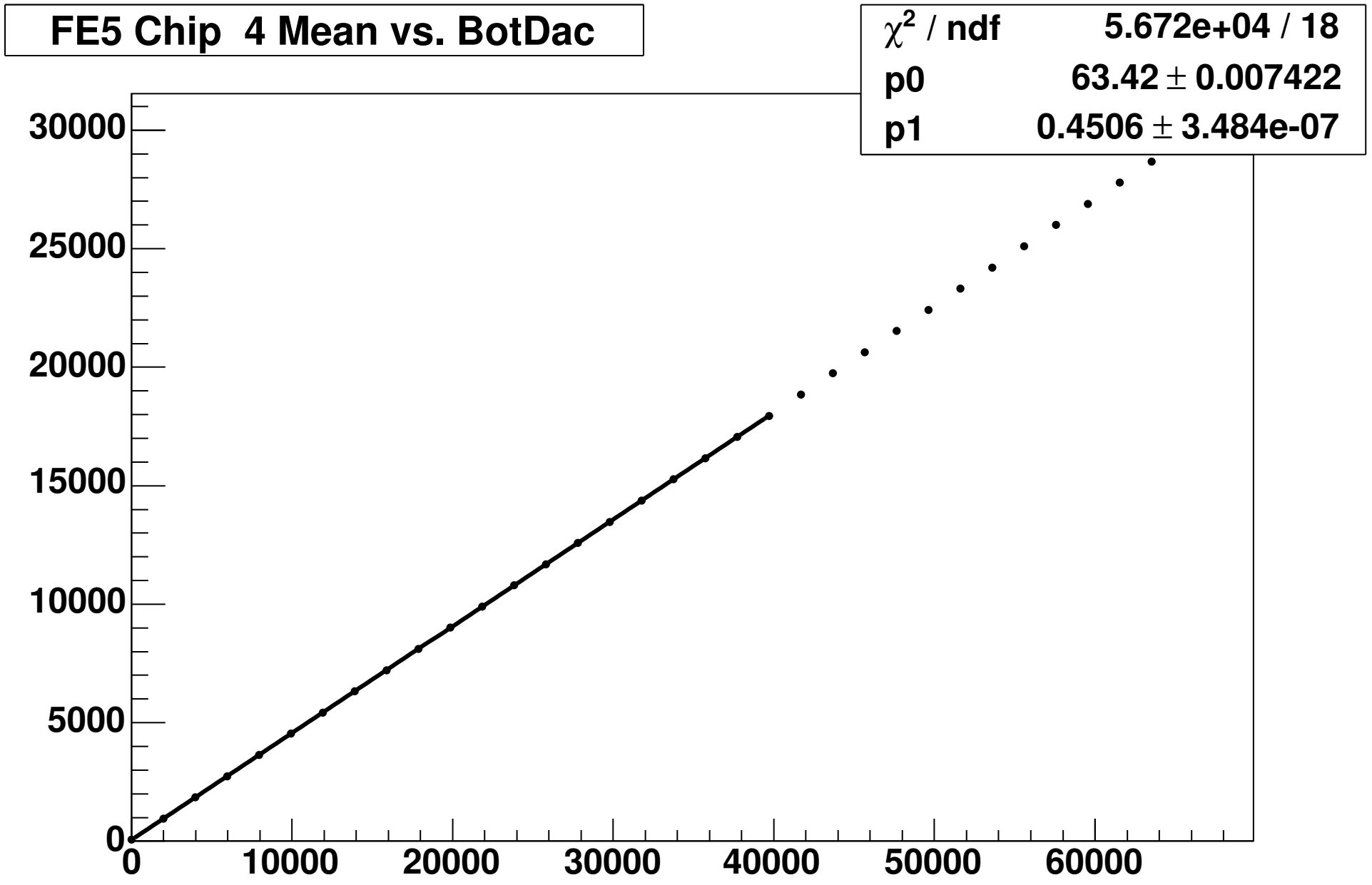
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 5.672e+04 / 18
p0 63.42 ± 0.007422
p1 0.4506 ± 3.484e-07
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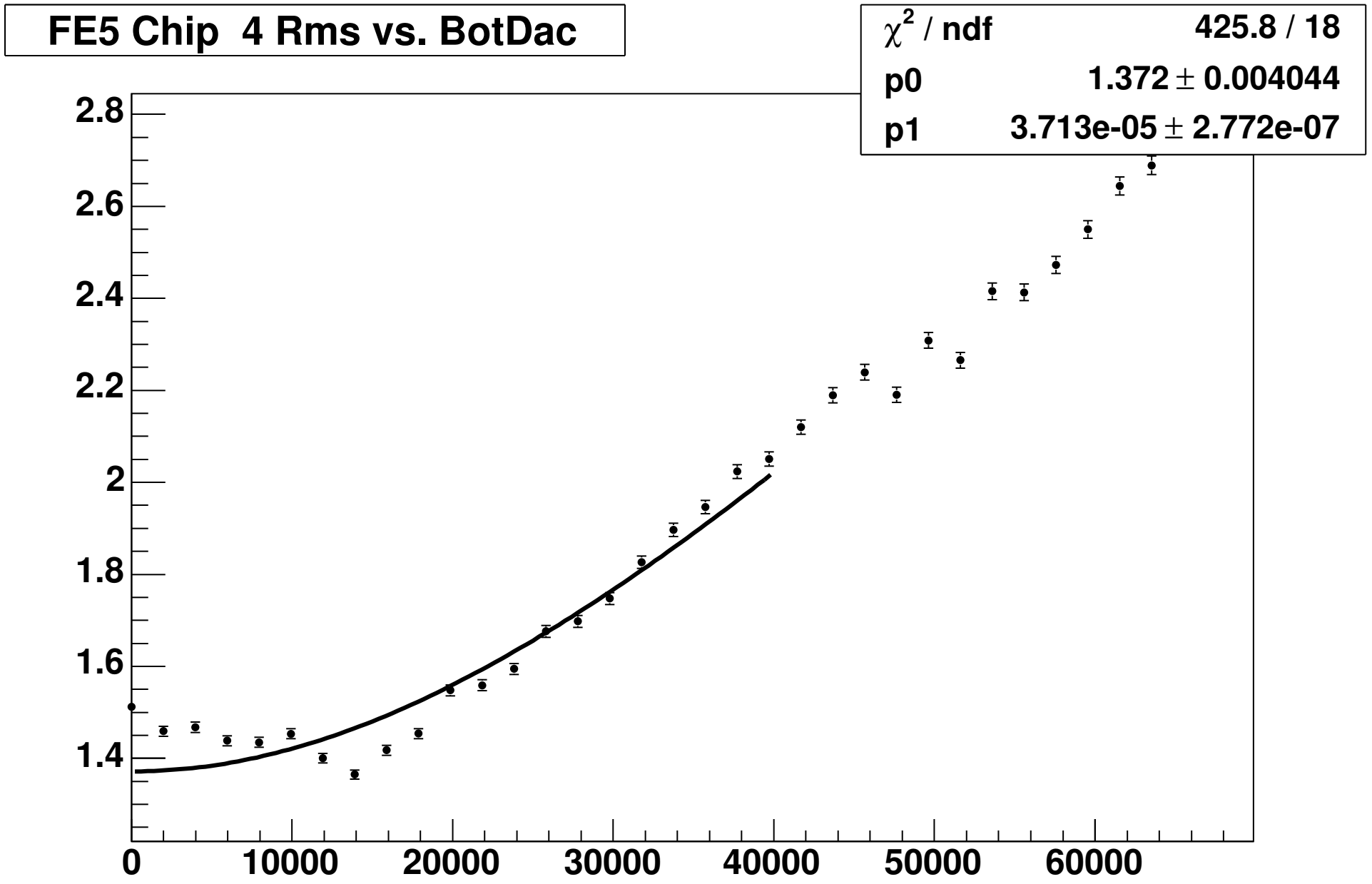
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 425.8 / 18
p0 1.372 ± 0.004044
p1 3.713e-05 ± 2.772e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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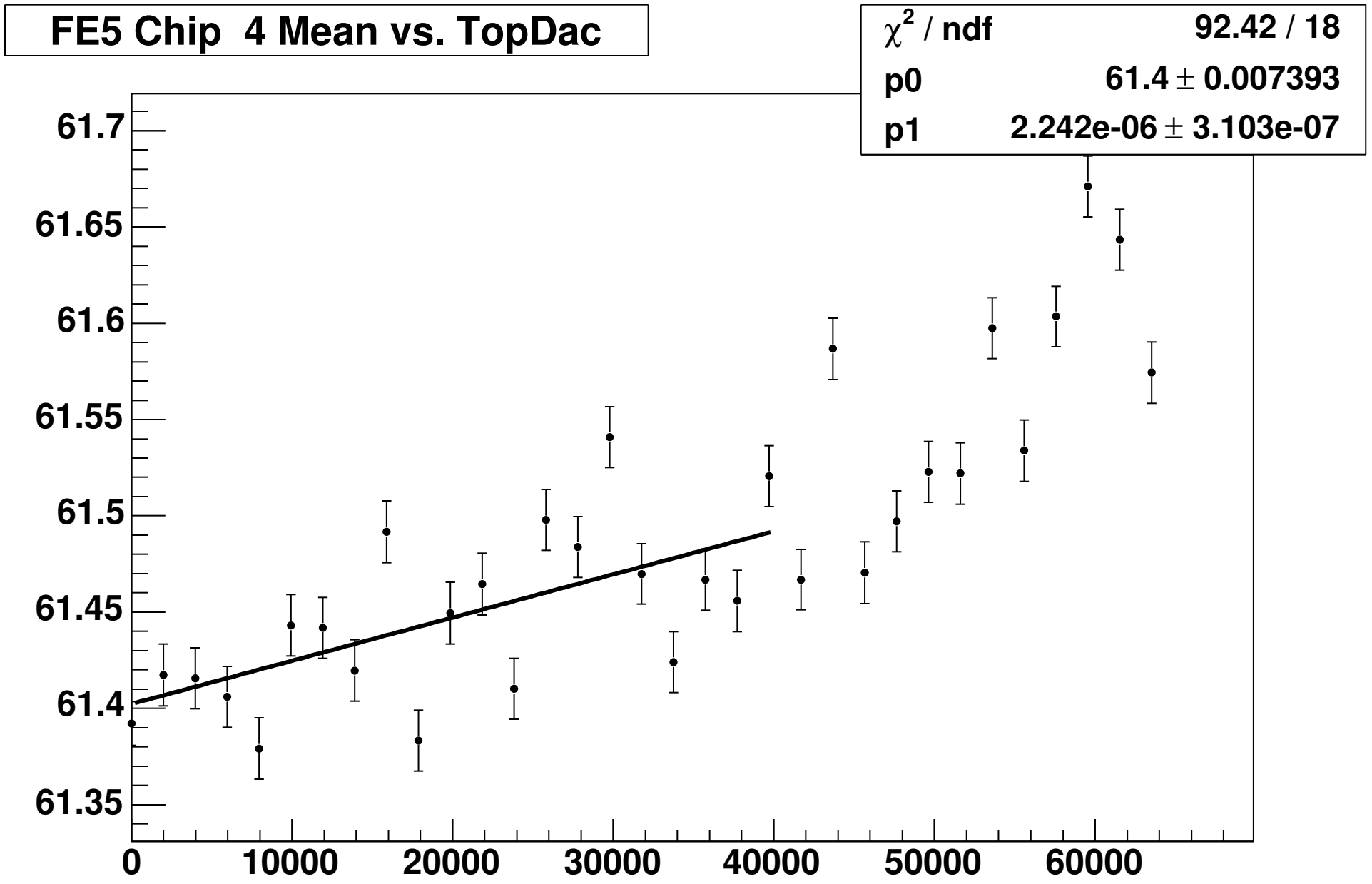
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 92.42 / 18
p0 61.4 ± 0.007393
p1 2.242e-06 ± 3.103e-07
61.7
61.65
61.6
61.55
61.5
61.45
61.4
61.35
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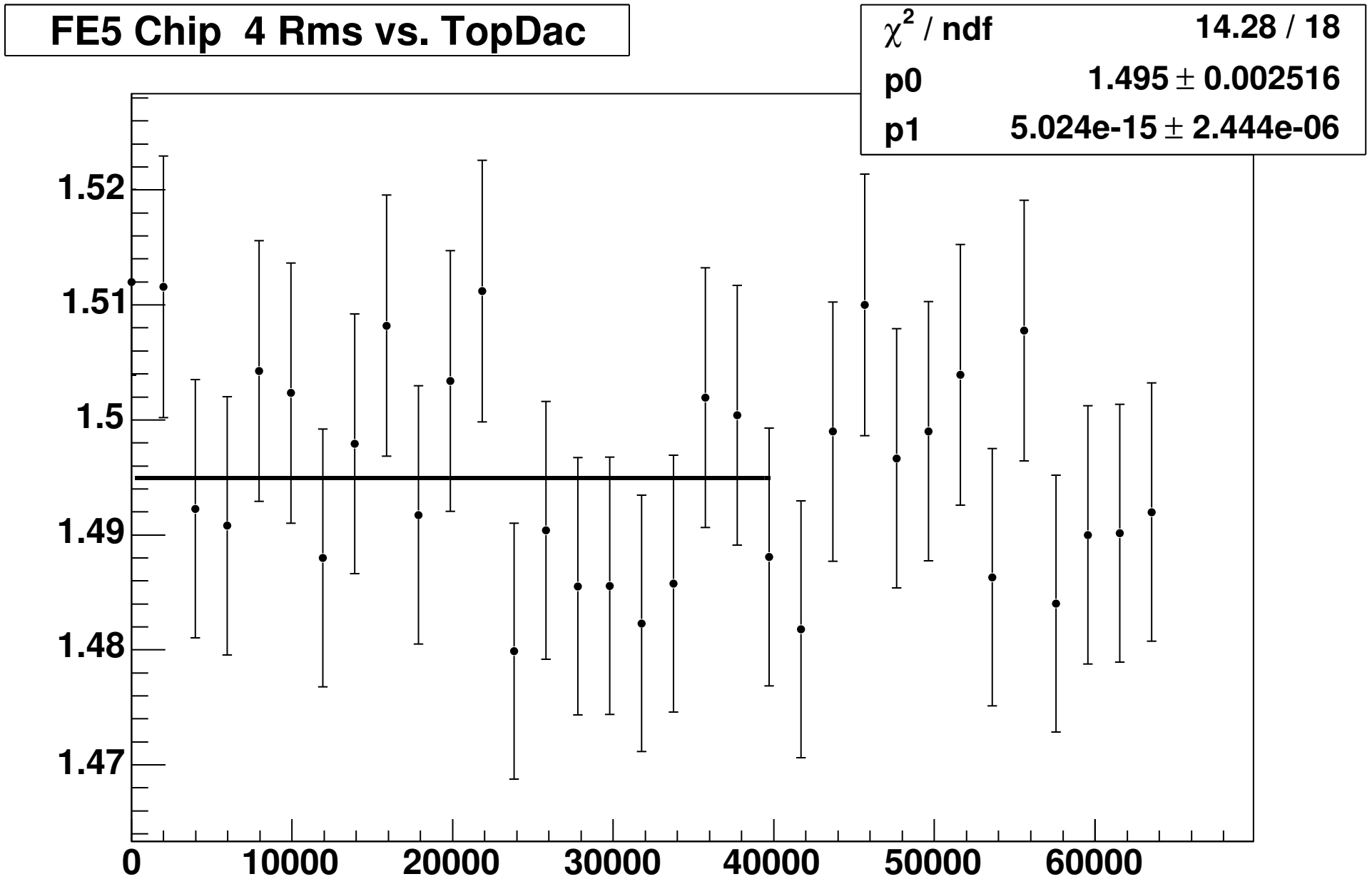
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 14.28 / 18
p0 1.495 ± 0.002516
p1 5.024e-15 ± 2.444e-06
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1.51
1.5
1.49
1.48
1.47
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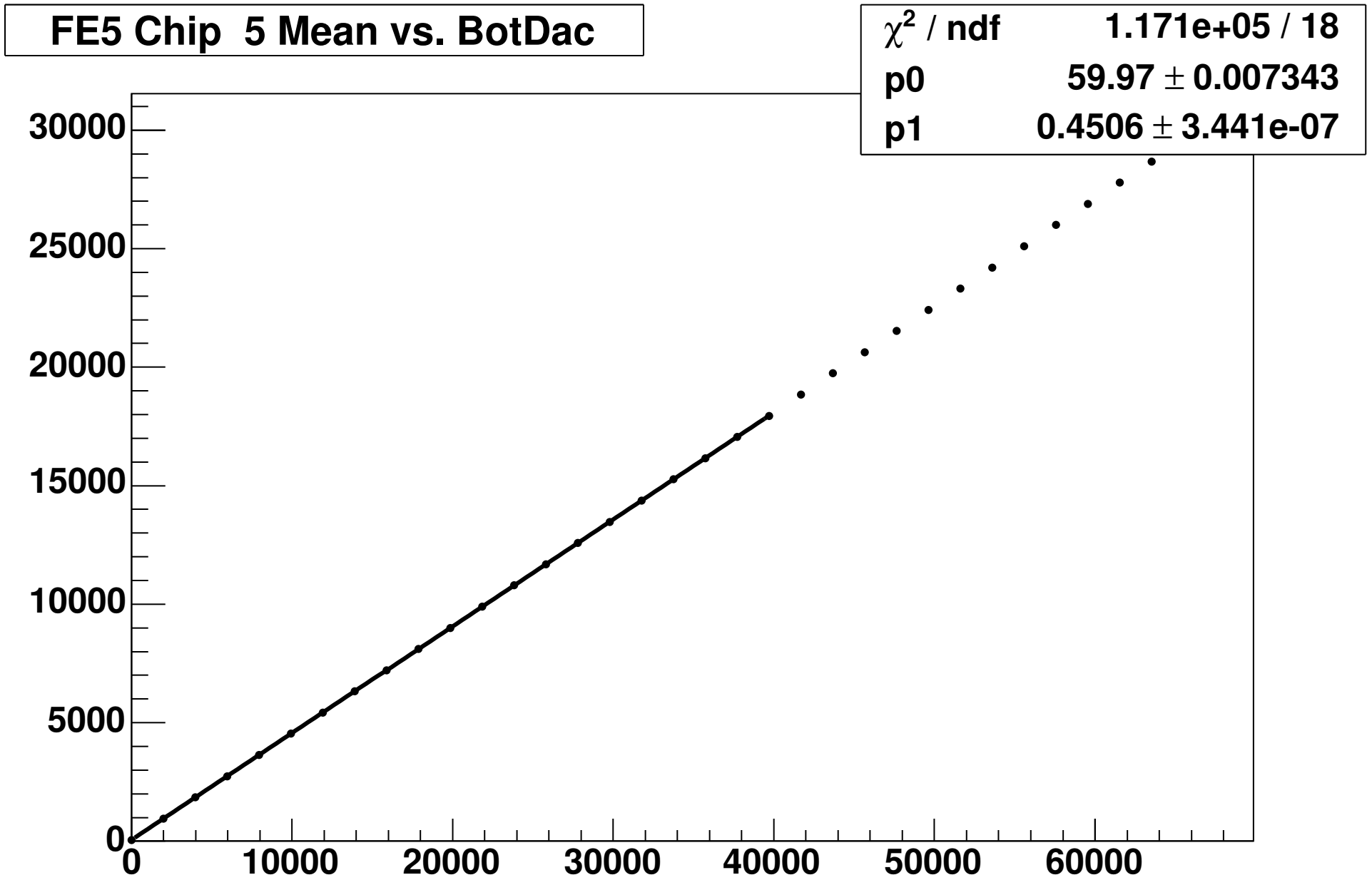
60000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.171e+05 / 18
p0 59.97 ± 0.007343
p1 0.4506 ± 3.441e-07
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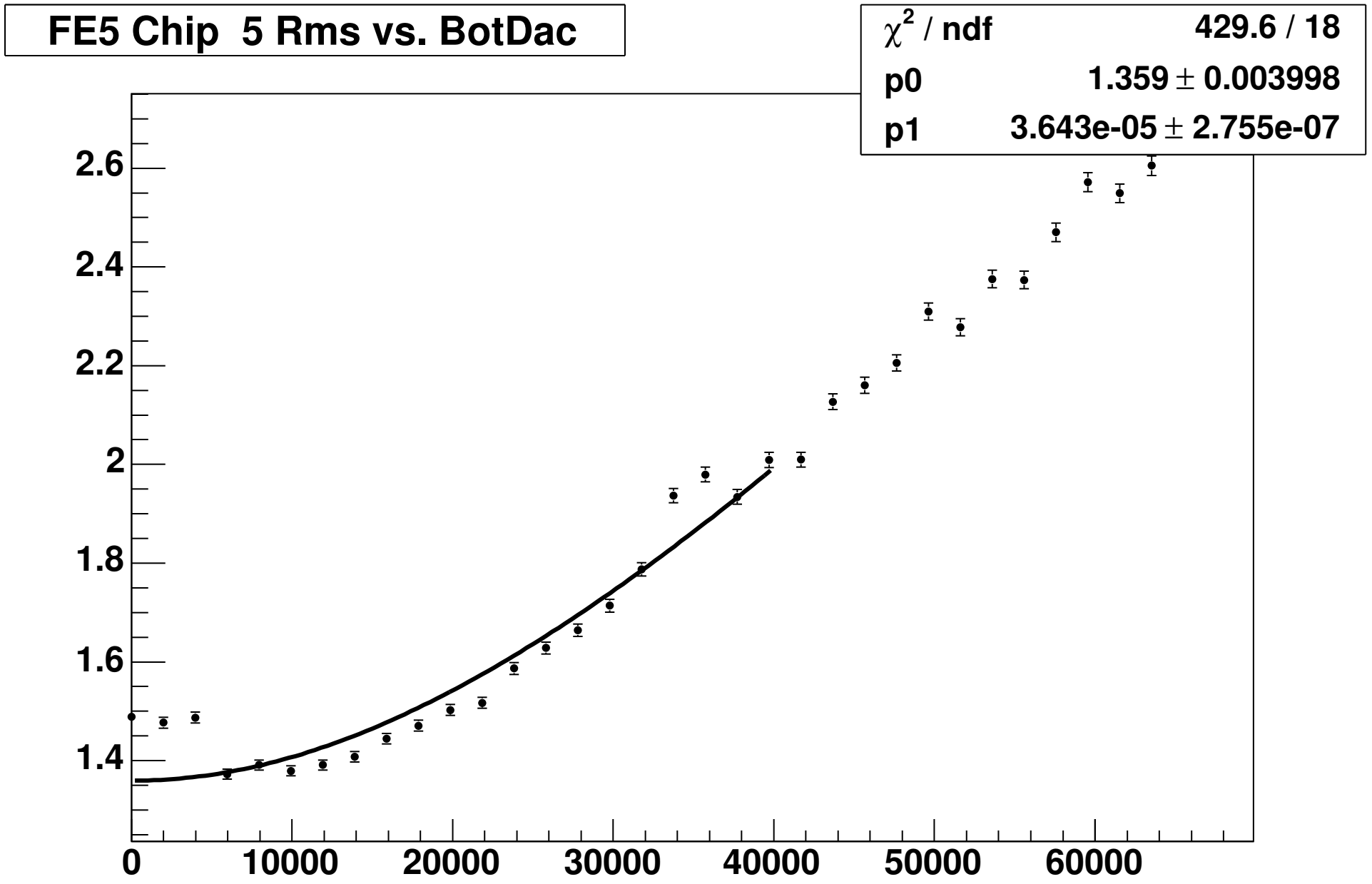
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 429.6 / 18
p0 1.359 ± 0.003998
p1 3.643e-05 ± 2.755e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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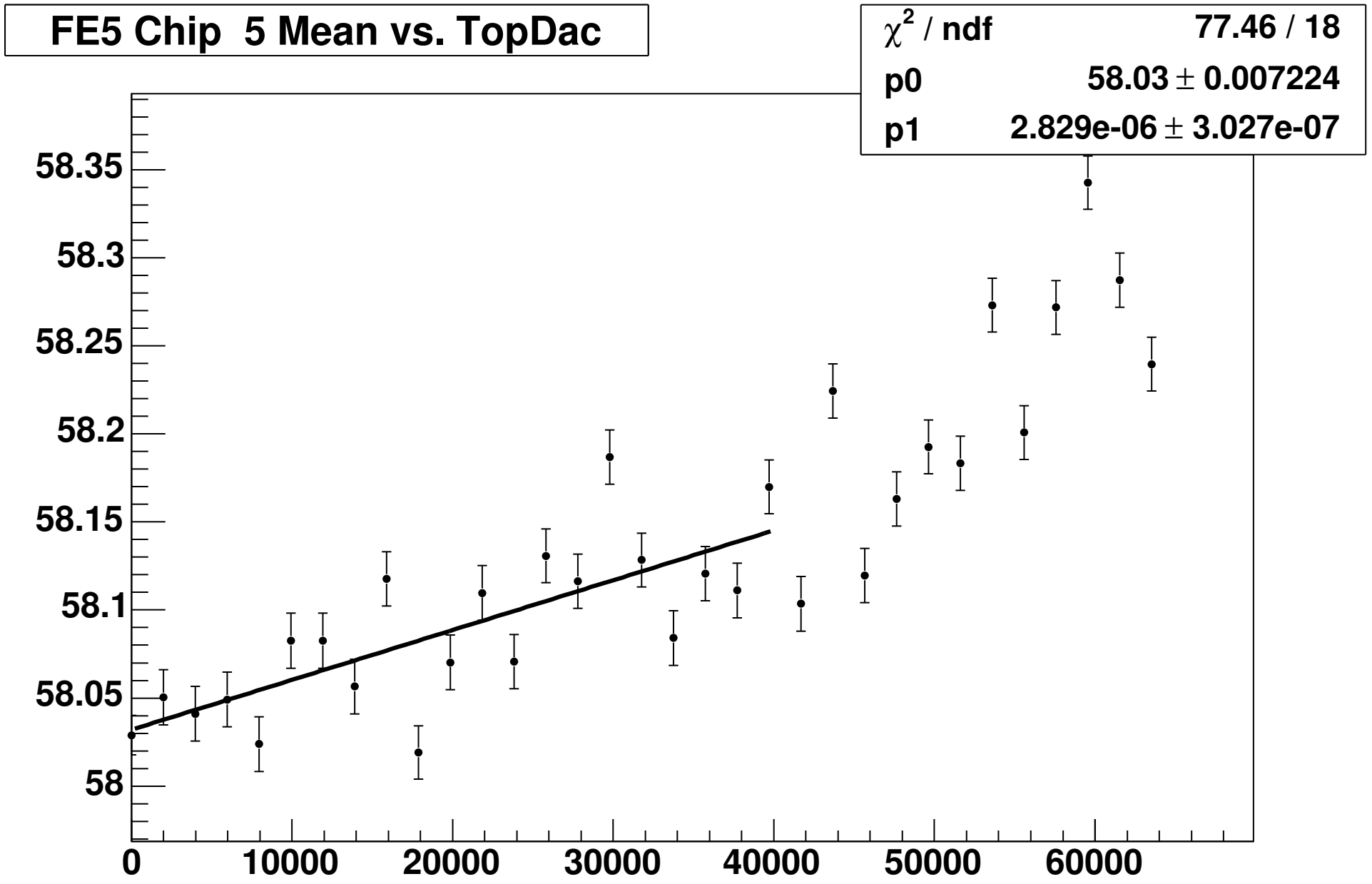
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 77.46 / 18
p0 58.03 ± 0.007224
p1 2.829e-06 ± 3.027e-07
58.35
58.3
58.25
58.2
58.15
58.1
58.05
58
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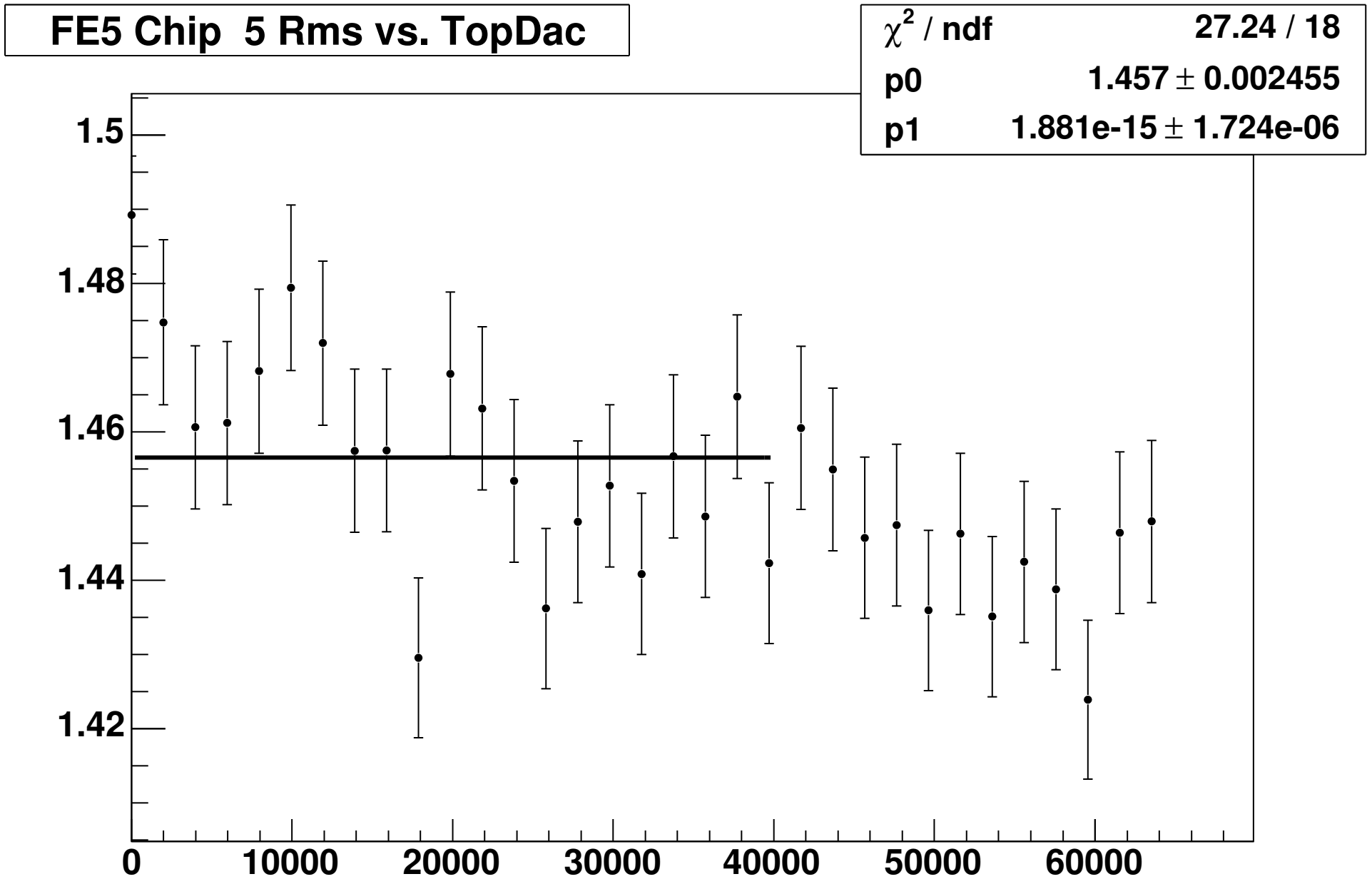
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 27.24 / 18
p0 1.457 ± 0.002455
p1 1.881e-15 ± 1.724e-06
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1.48
1.46
1.44
1.42
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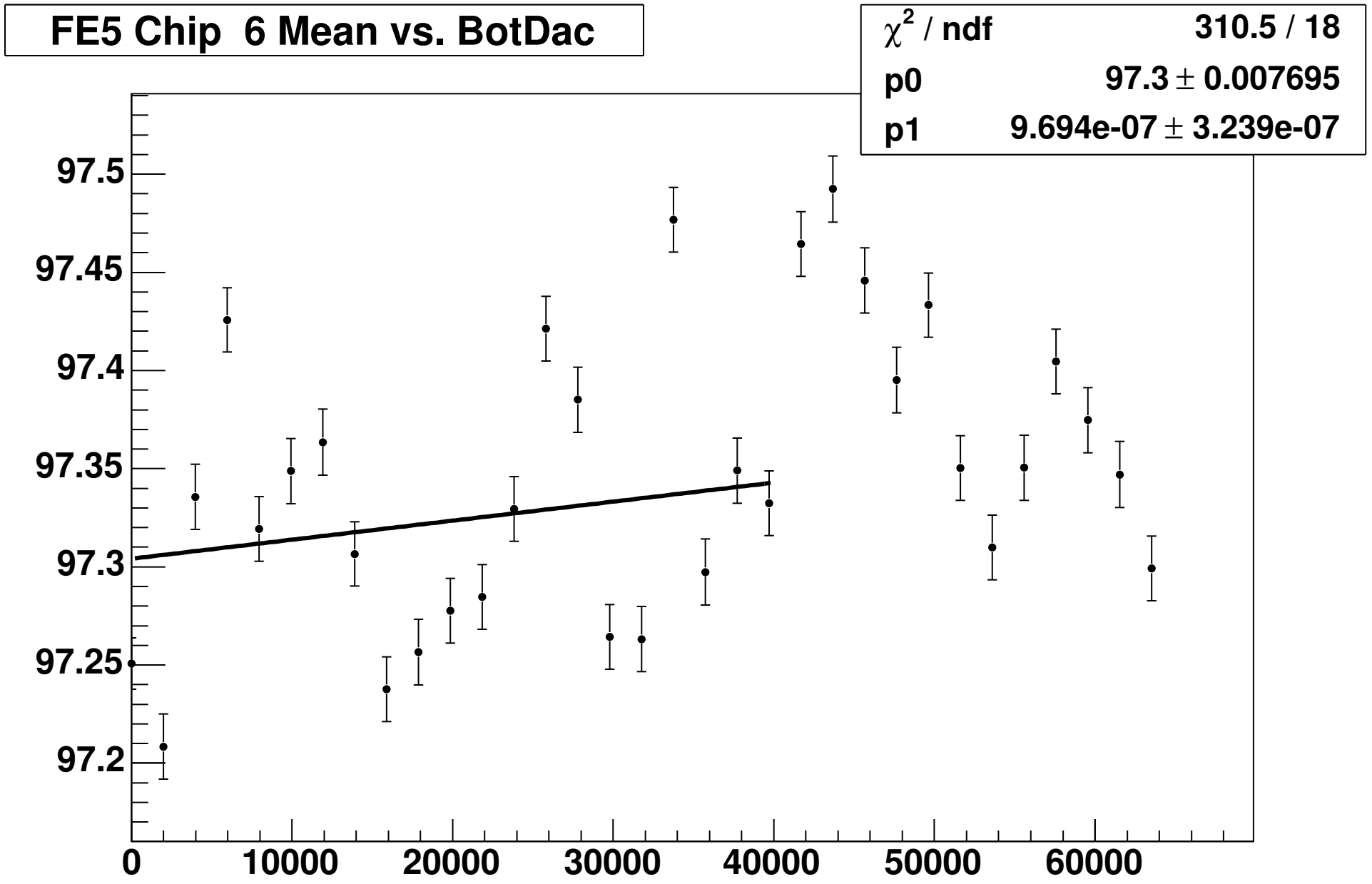
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 310.5 / 18
p0 97.3 ± 0.007695
p1 9.694e-07 ± 3.239e-07
97.5
97.45
97.4
97.35
97.3
97.25
97.2
0
10000
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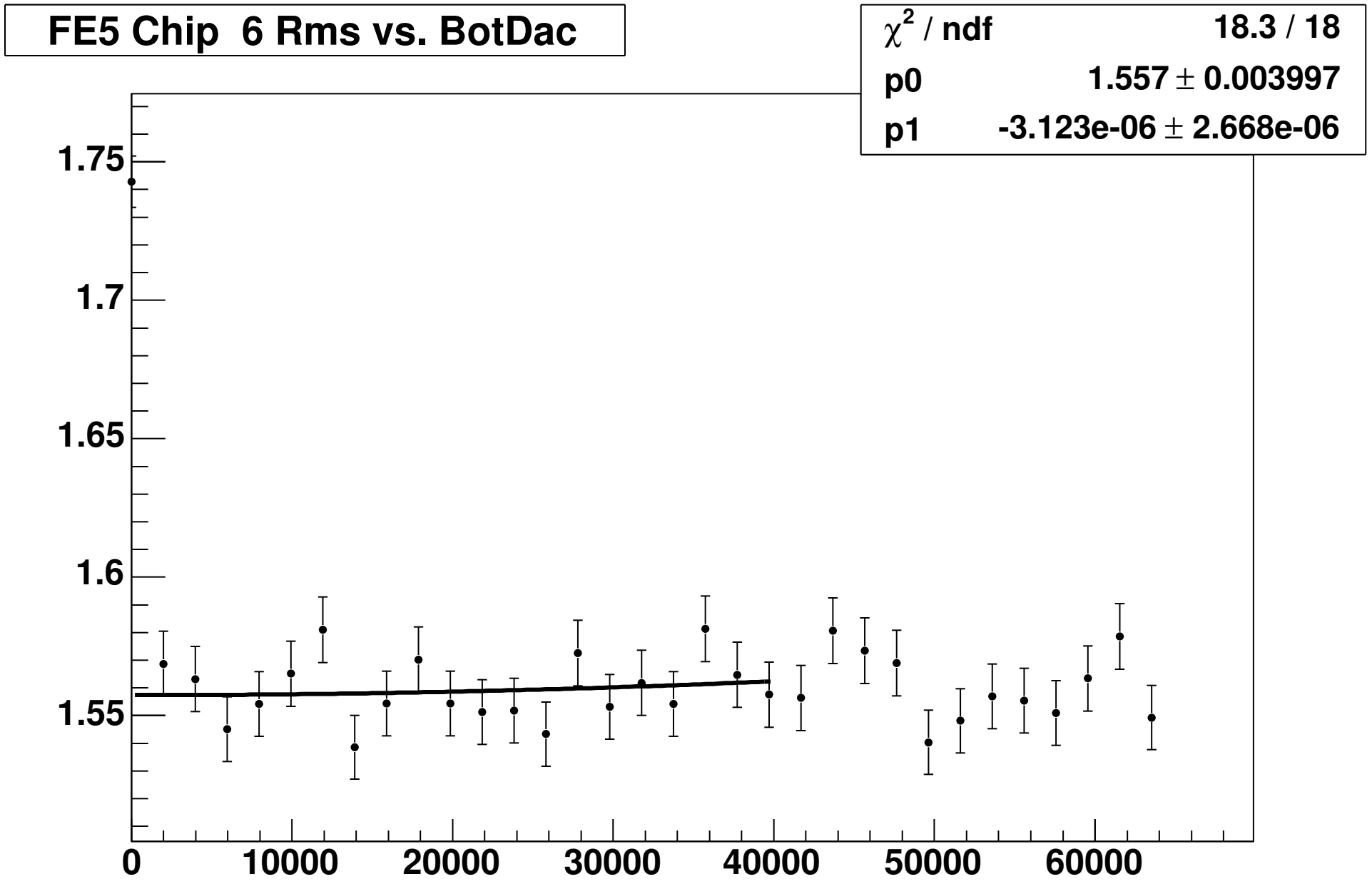
30000
40000
50000
60000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 18.3 / 18
p0 1.557 ± 0.003997
p1 -3.123e-06 ± 2.668e-06
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1.7
1.65
1.6
1.55
0
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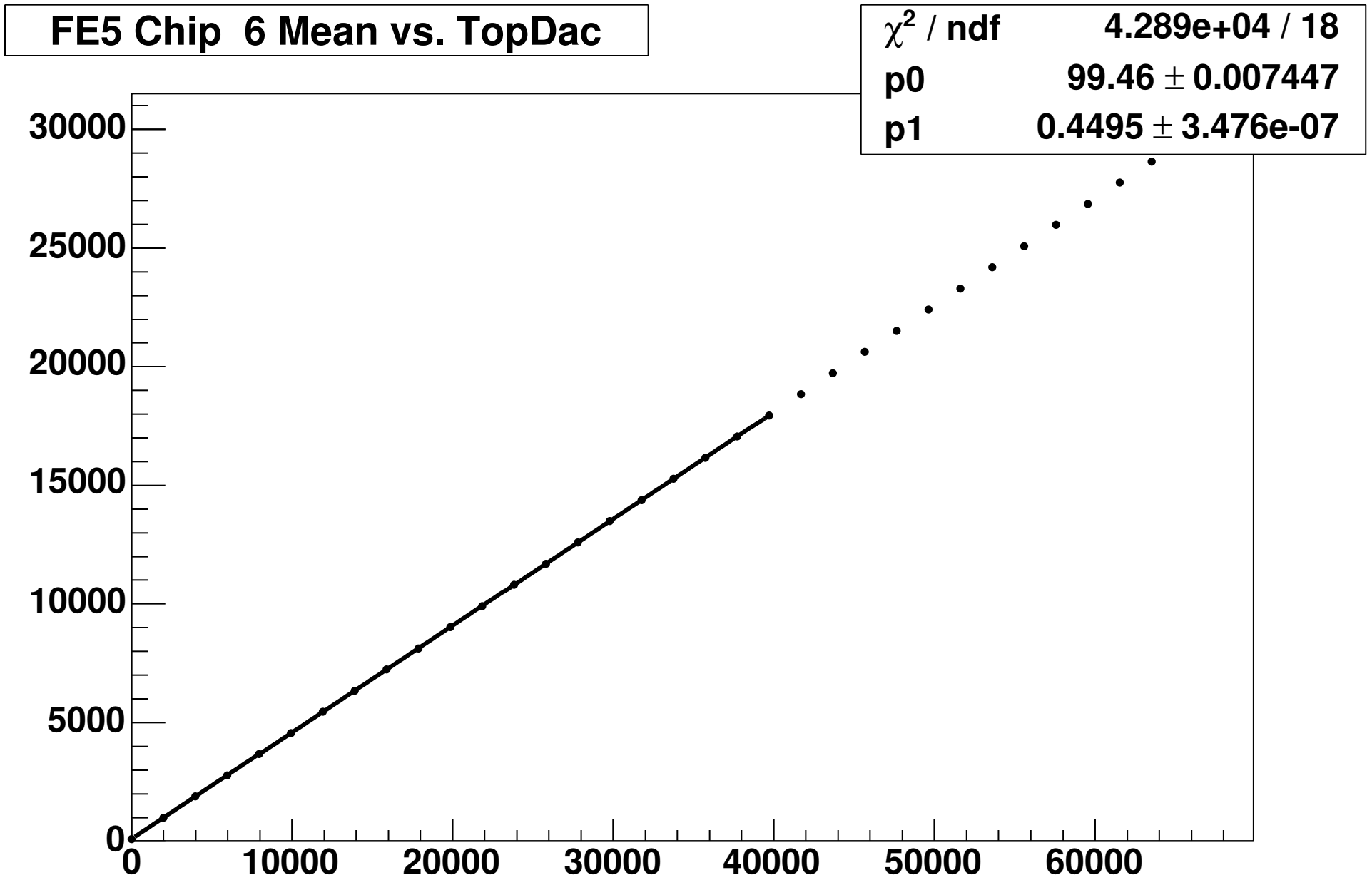
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 4.289e+04 / 18
p0 99.46 ± 0.007447
p1 0.4495 ± 3.476e-07
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0
10000
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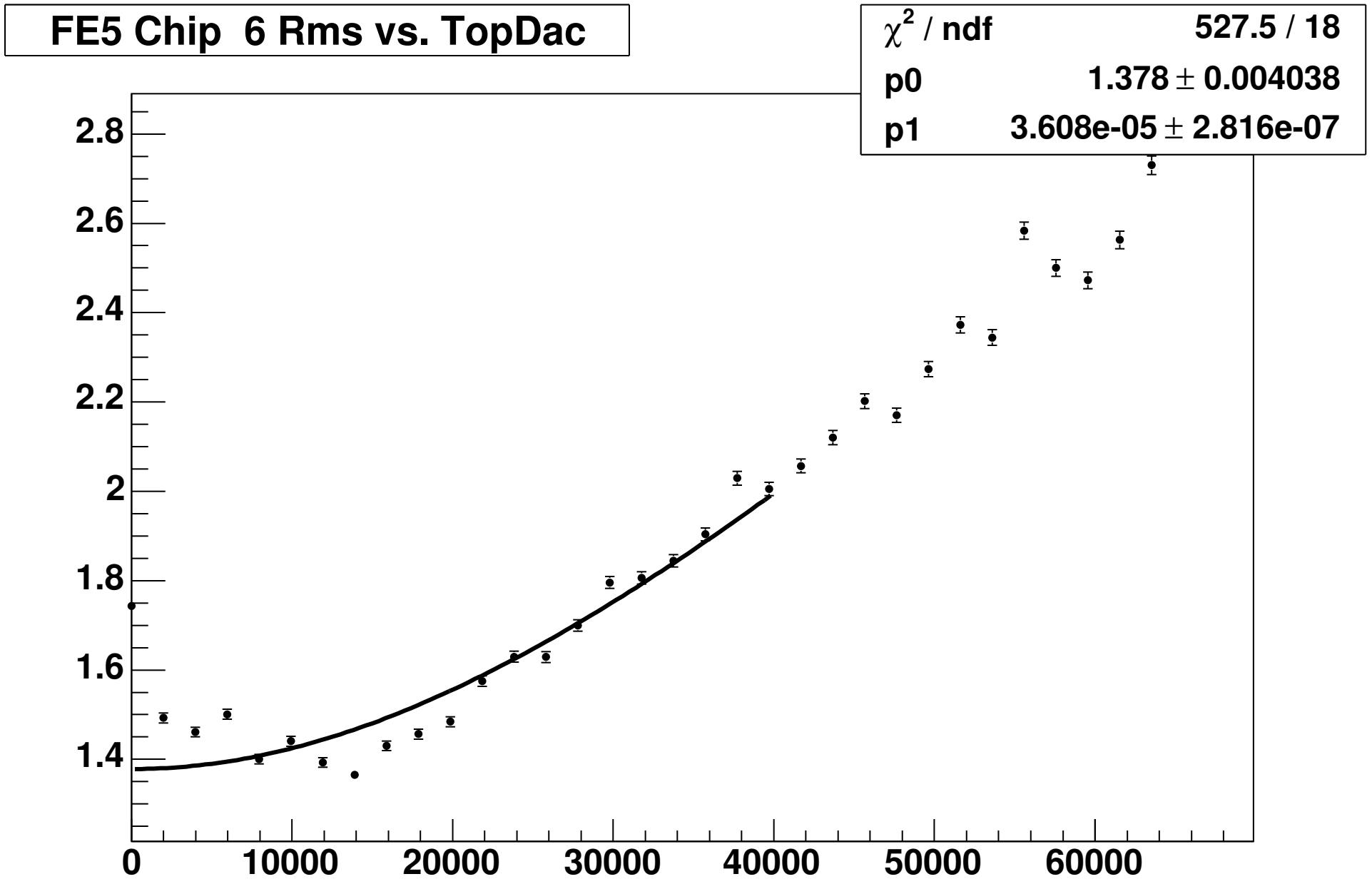
30000
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 527.5 / 18
p0 1.378 ± 0.004038
p1 3.608e-05 ± 2.816e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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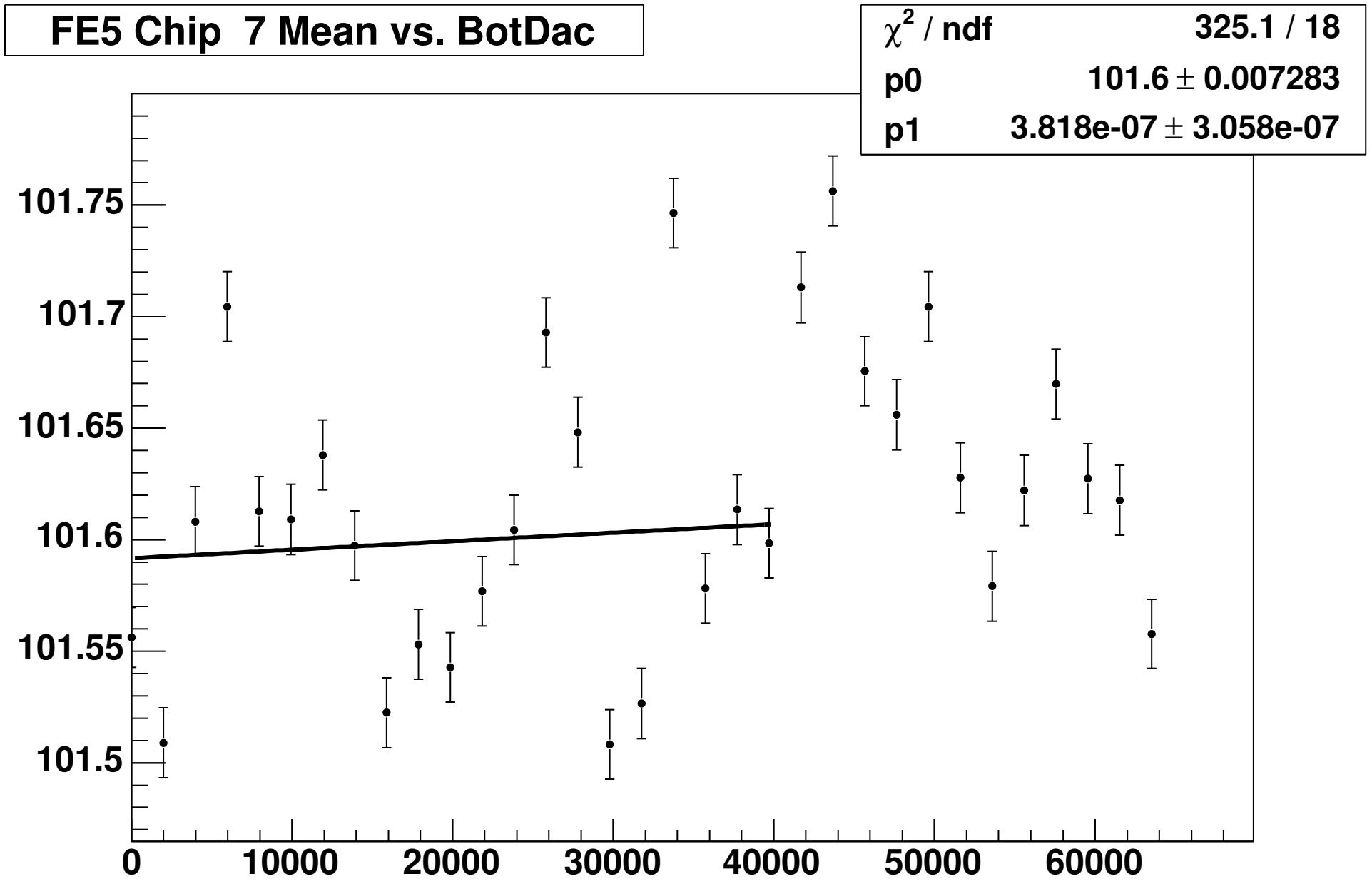
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 325.1 / 18
p0 101.6 ± 0.007283
p1 3.818e-07 ± 3.058e-07
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101.7
101.65
101.6
101.55
101.5
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10000
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50000
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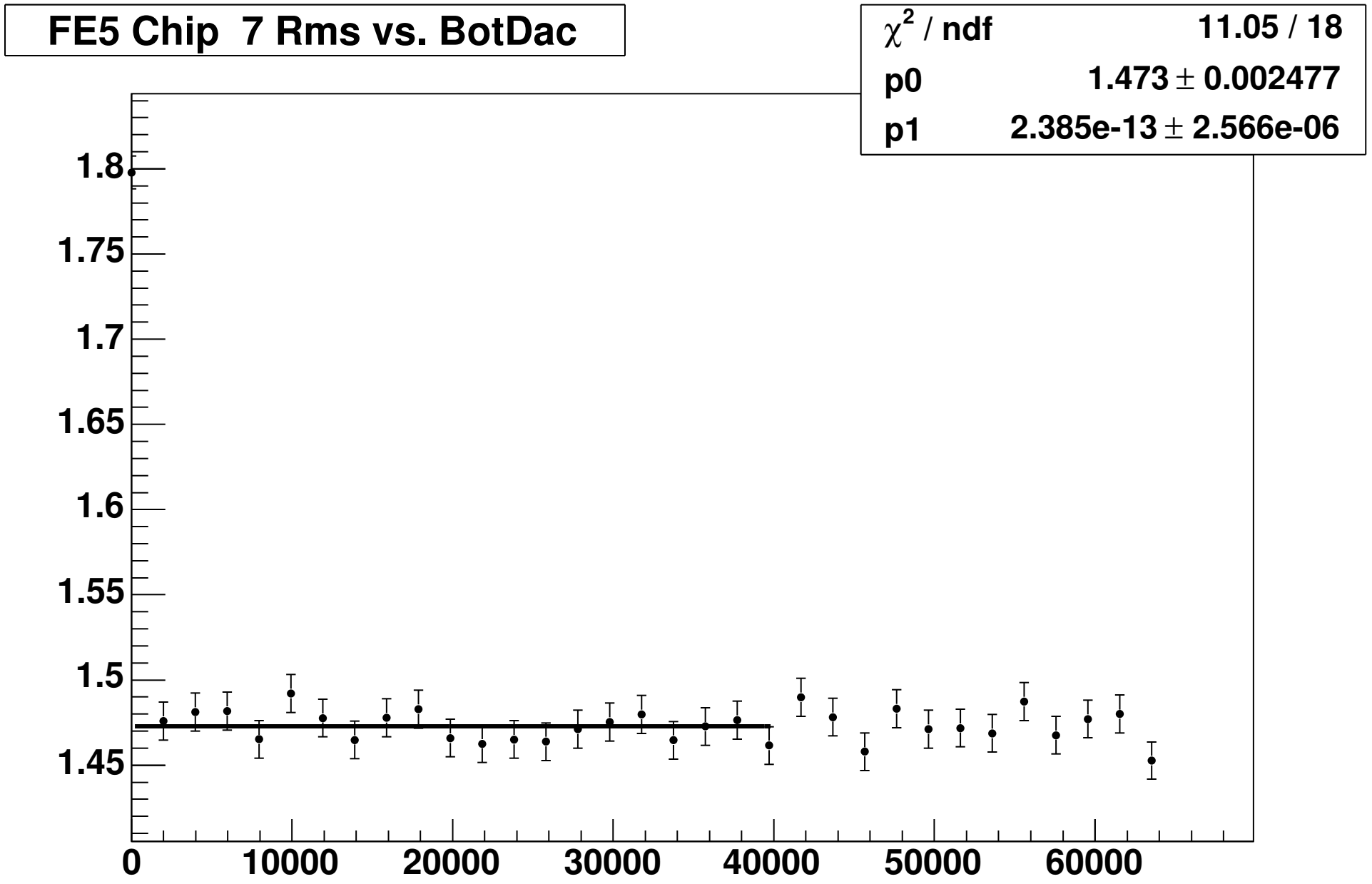
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 11.05 / 18
p0 1.473 ± 0.002477
p1 2.385e-13 ± 2.566e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
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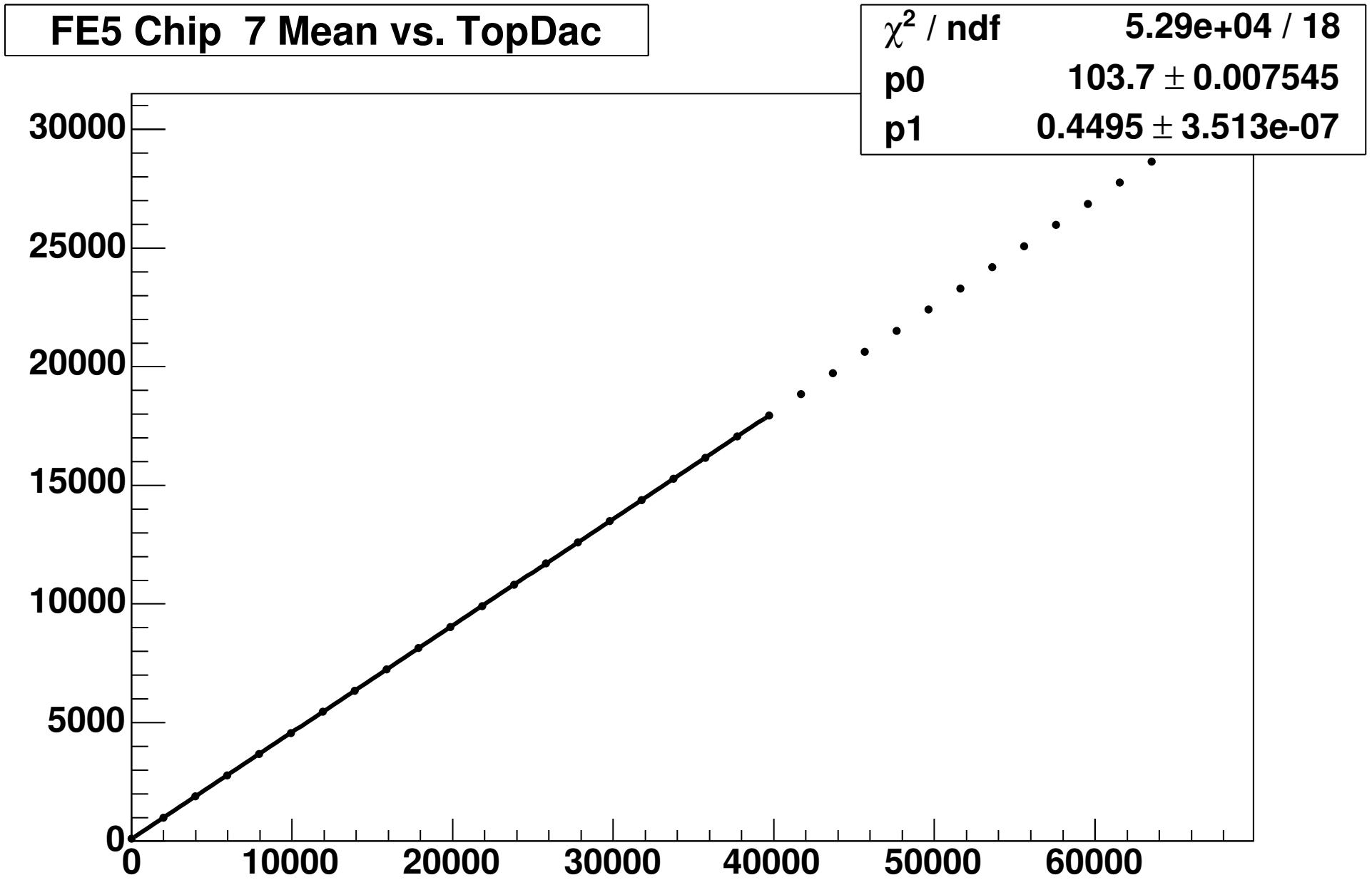
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 5.29e+04 / 18
p0 103.7 ± 0.007545
p1 0.4495 ± 3.513e-07
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10000
20000
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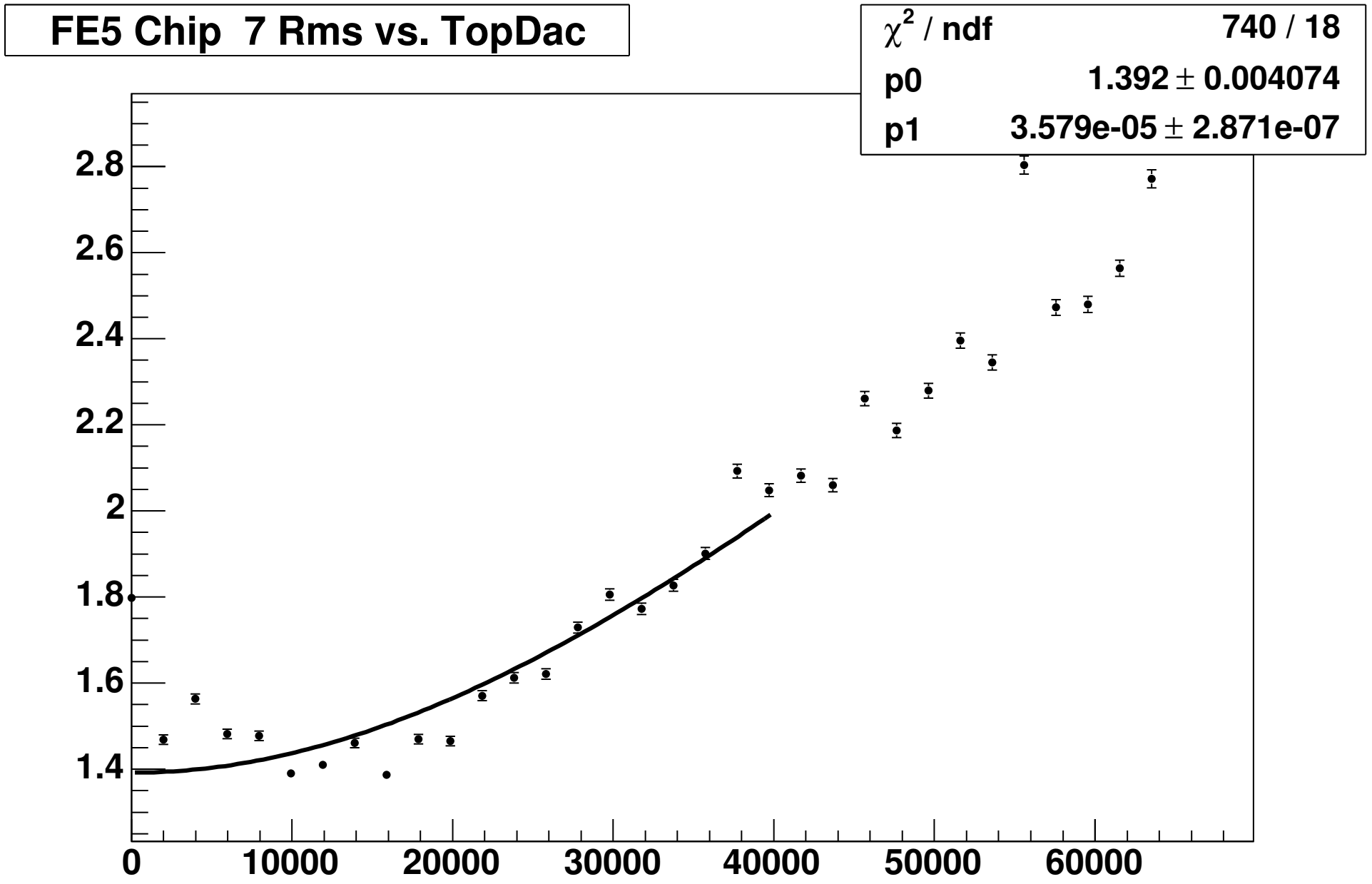
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 740 / 18
p0 1.392 ± 0.004074
p1 3.579e-05 ± 2.871e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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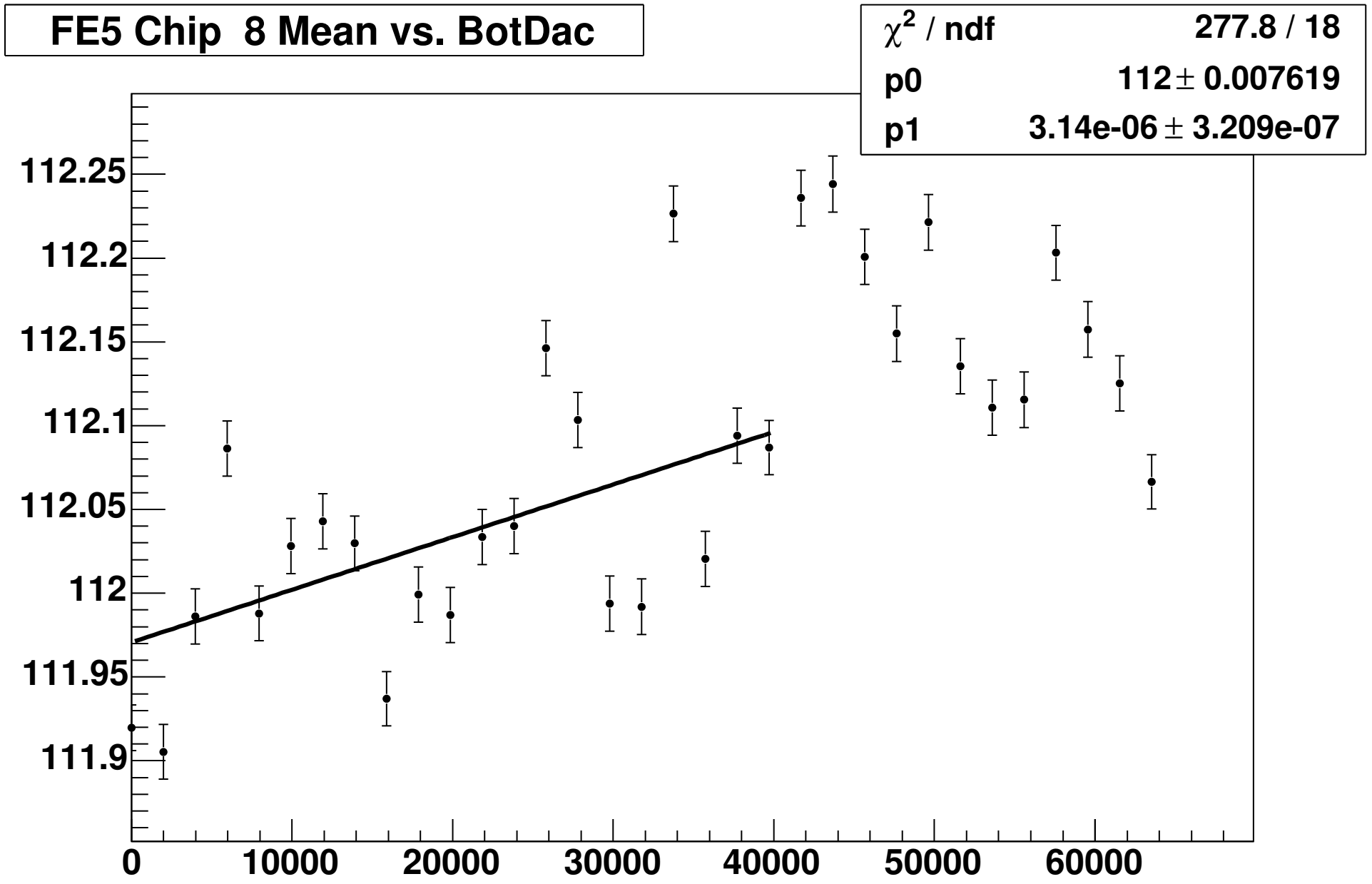
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 277.8 / 18
p0 112 ± 0.007619
p1 3.14e-06 ± 3.209e-07
112.25
112.2
112.15
112.1
112.05
112
111.95
111.9
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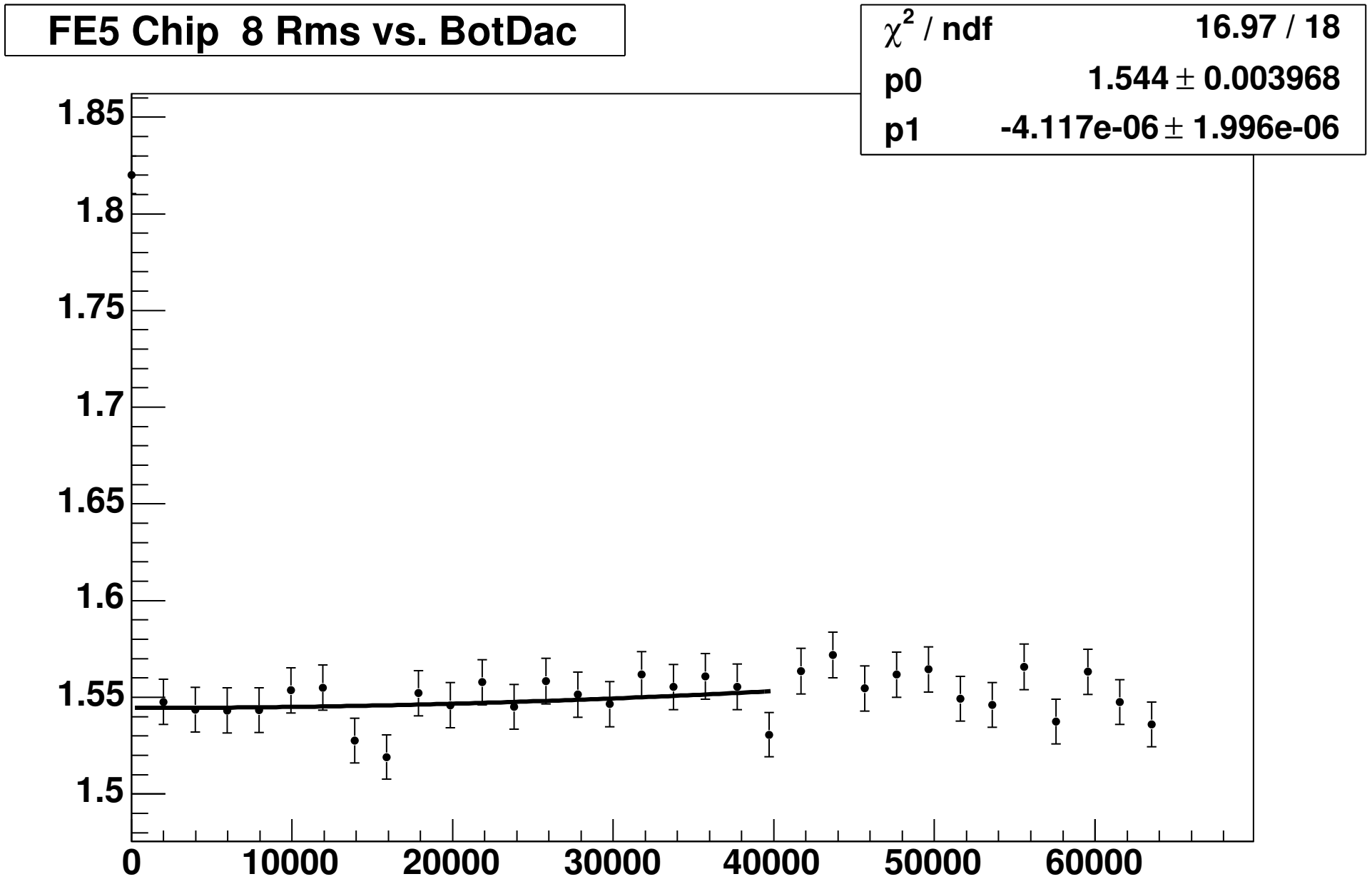
60000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 16.97 / 18
p0 1.544 ± 0.003968
p1 -4.117e-06 ± 1.996e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
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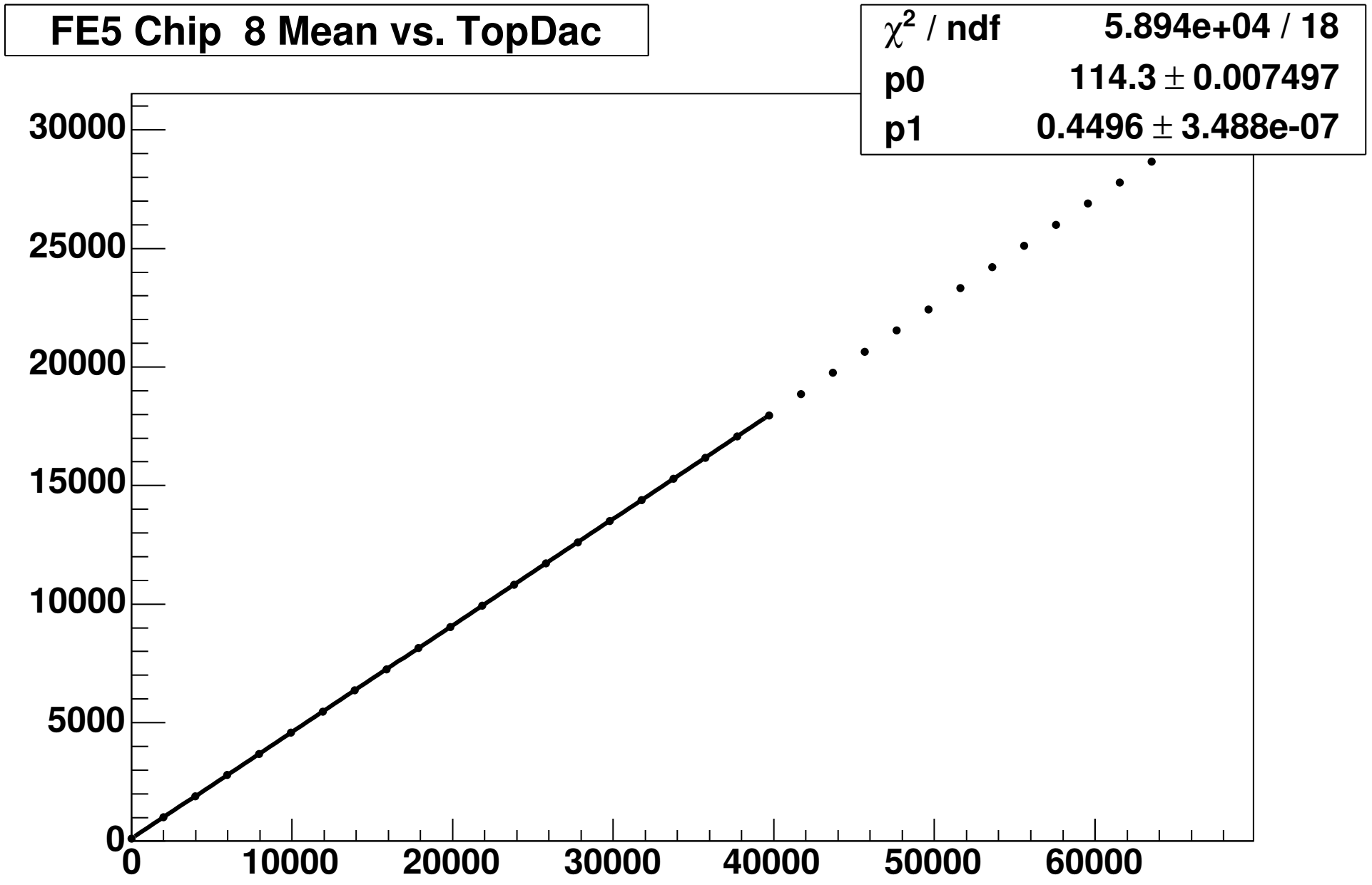
60000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 5.894e+04 / 18
p0 114.3 ± 0.007497
p1 0.4496 ± 3.488e-07
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10000
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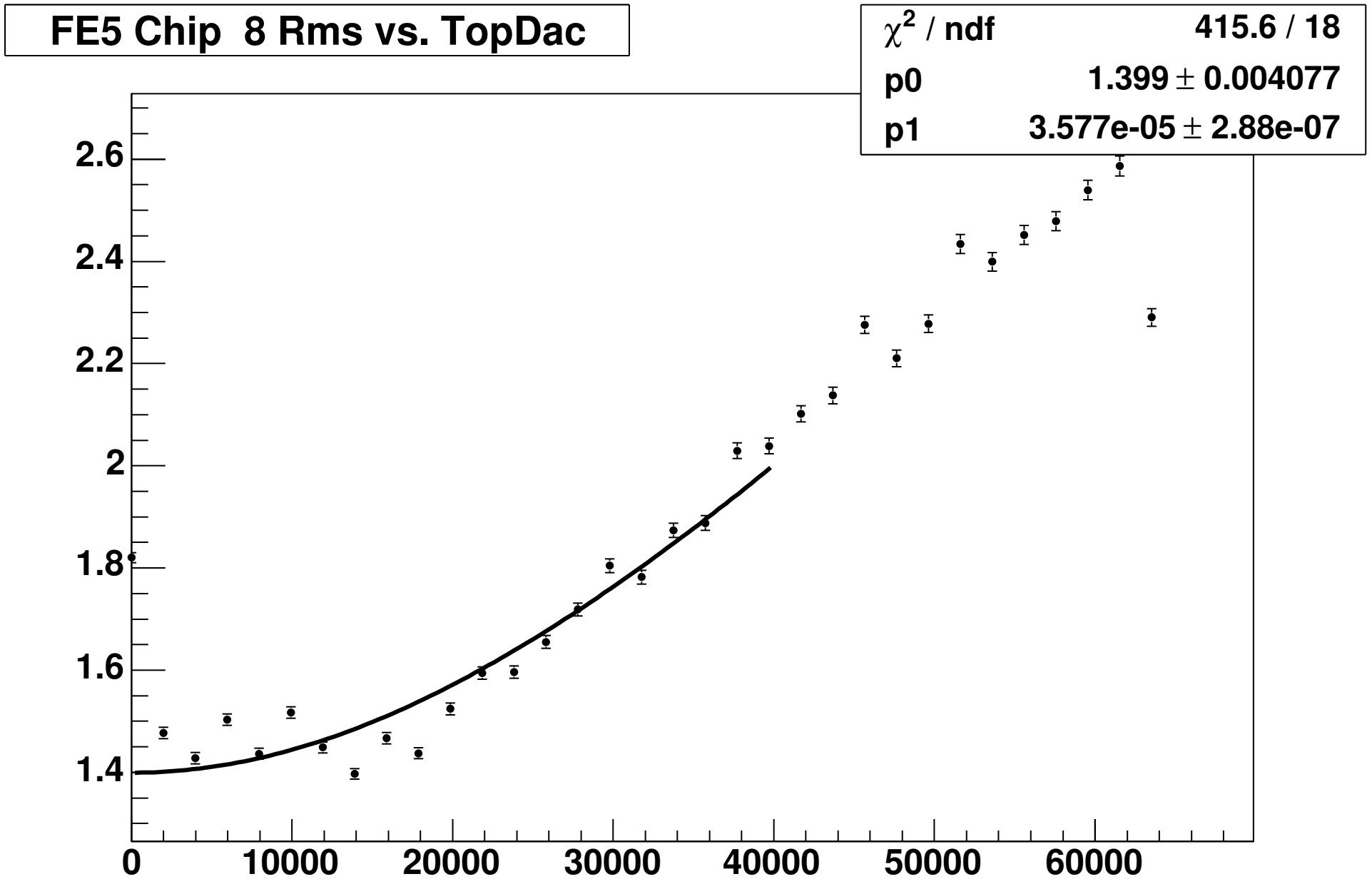
30000
40000
50000
60000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 415.6 / 18
p0 1.399 ± 0.004077
p1 3.577e-05 ± 2.88e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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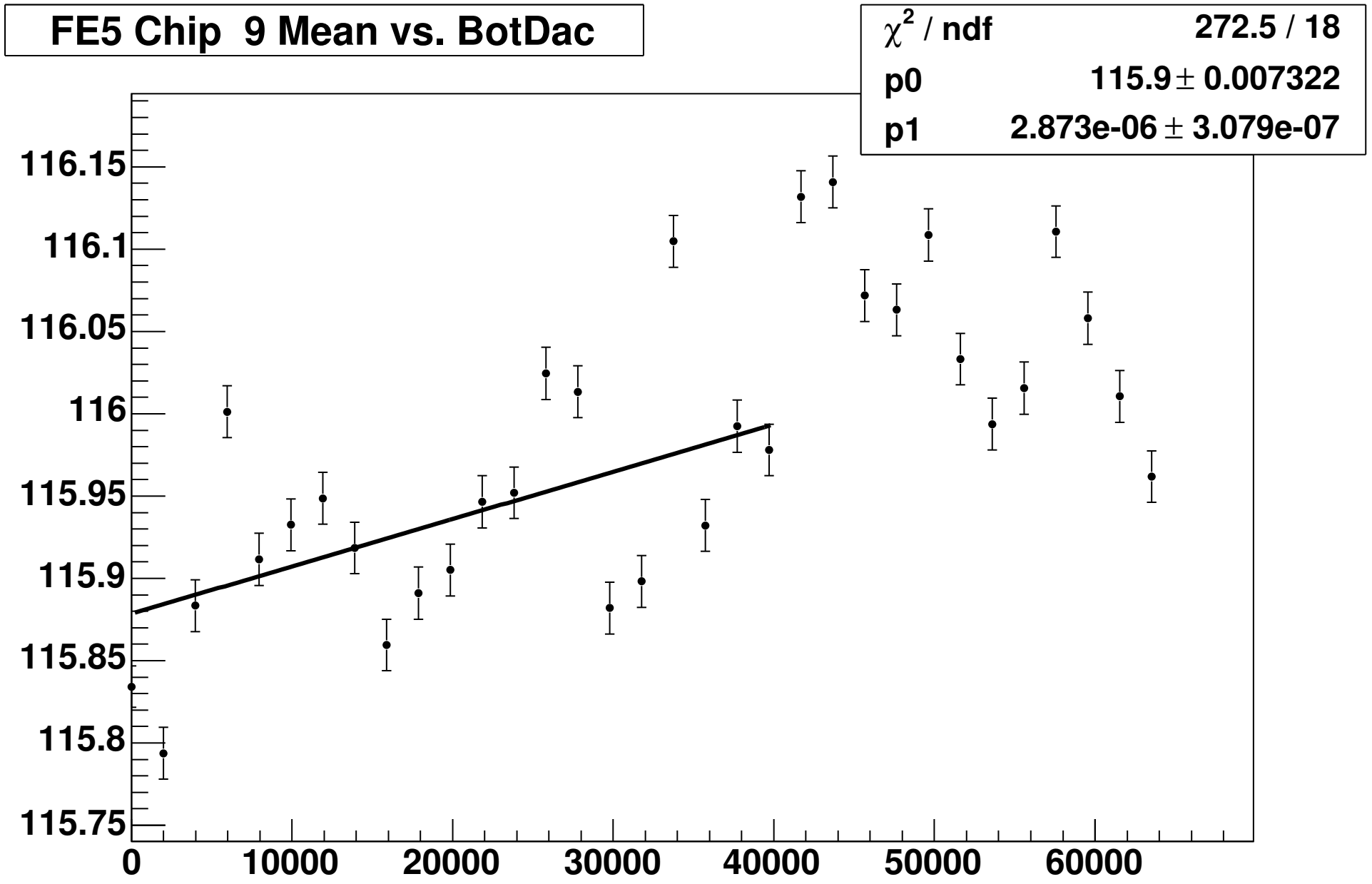
FE5 Chip 9 Mean vs. BotDac
χ² / ndf 272.5 / 18
p0 115.9 ± 0.007322
p1 2.873e-06 ± 3.079e-07
116.15
116.1
116.05
116
115.95
115.9
115.85
115.8
115.75
0
10000
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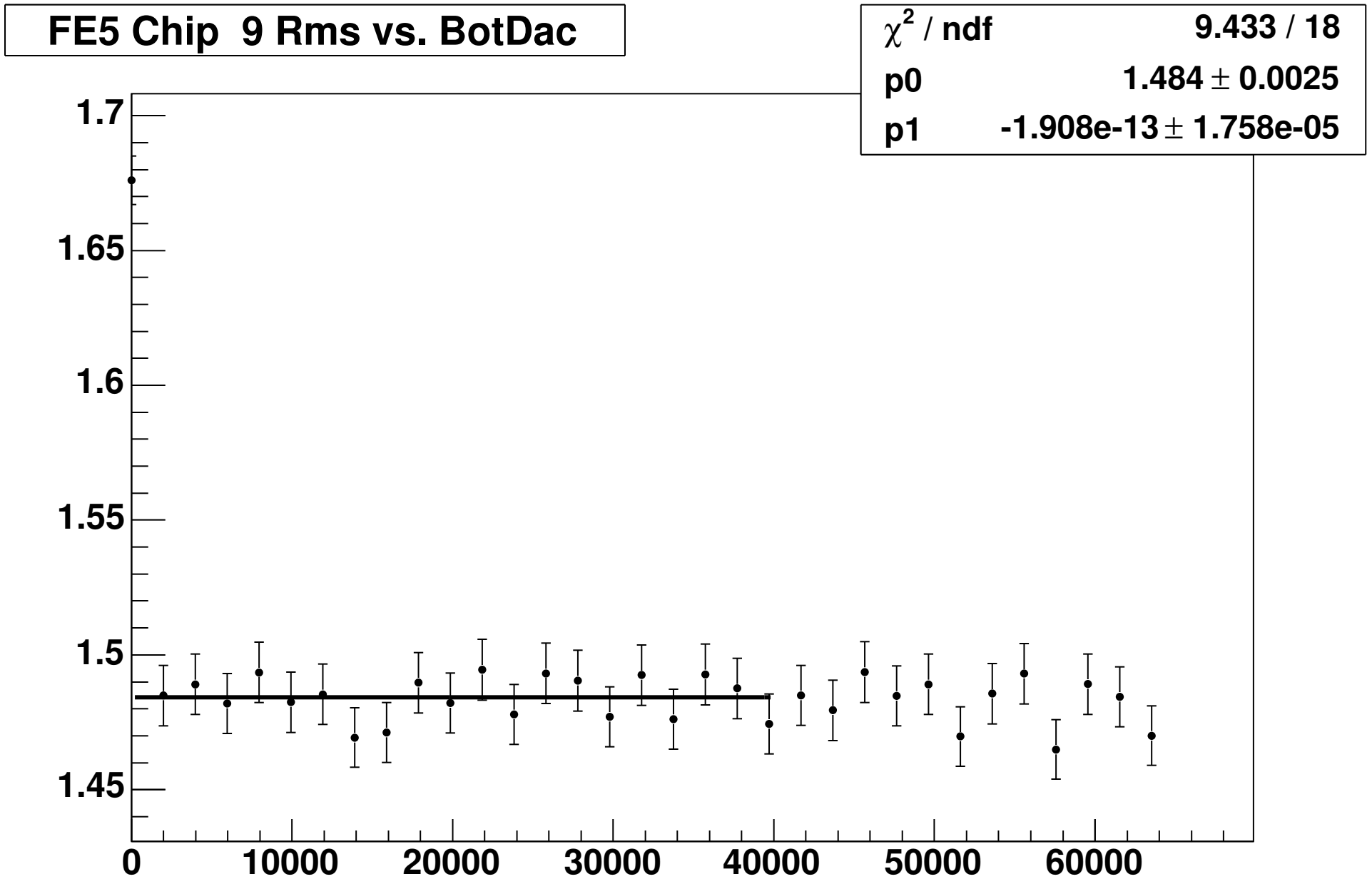
FE5 Chip 9 Rms vs. BotDac
χ² / ndf 9.433 / 18
p0 1.484 ± 0.0025
p1 -1.908e-13 ± 1.758e-05
1.7
1.65
1.6
1.55
1.5
1.45
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10000
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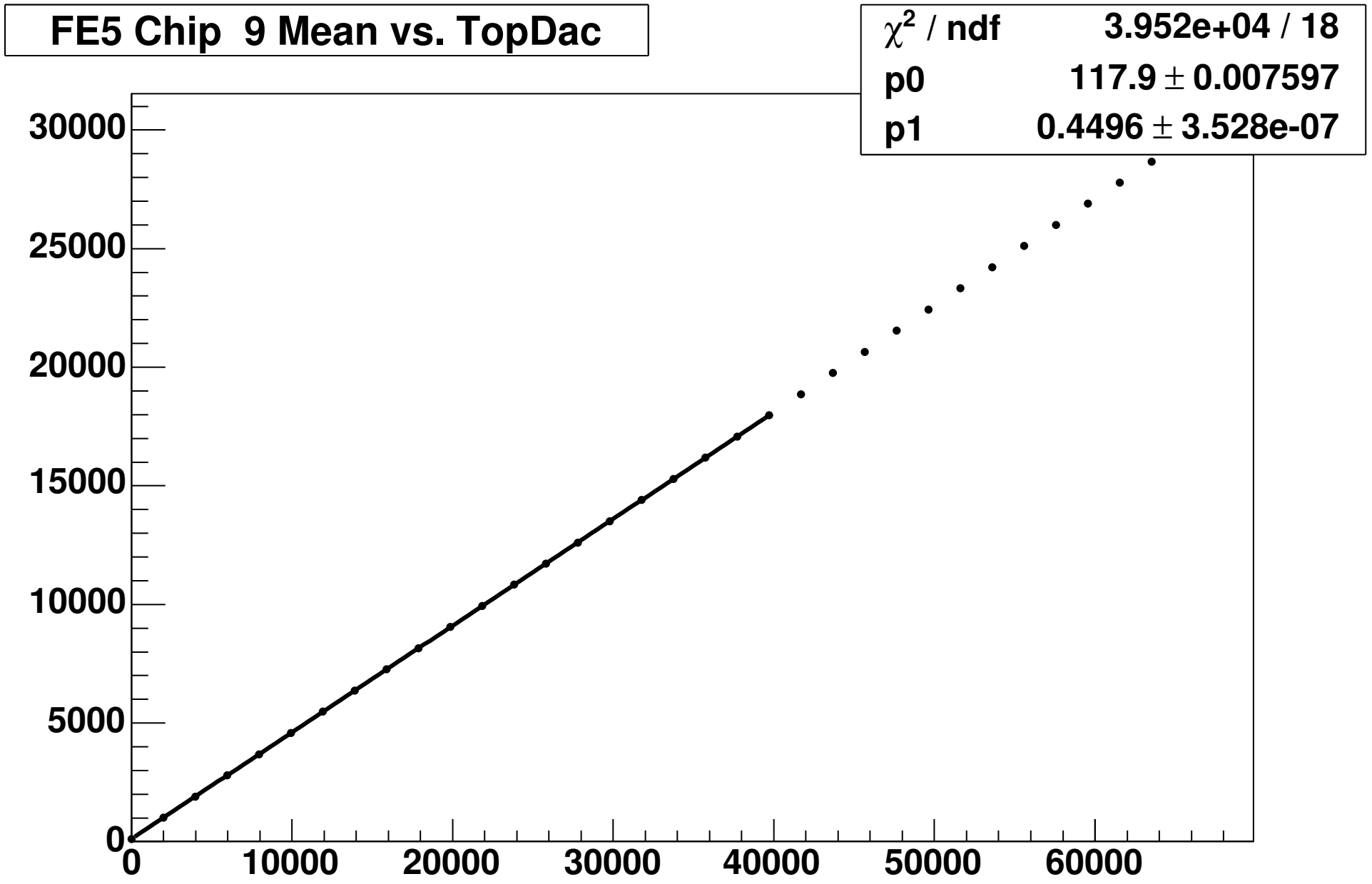
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 3.952e+04 / 18
p0 117.9 ± 0.007597
p1 0.4496 ± 3.528e-07
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10000
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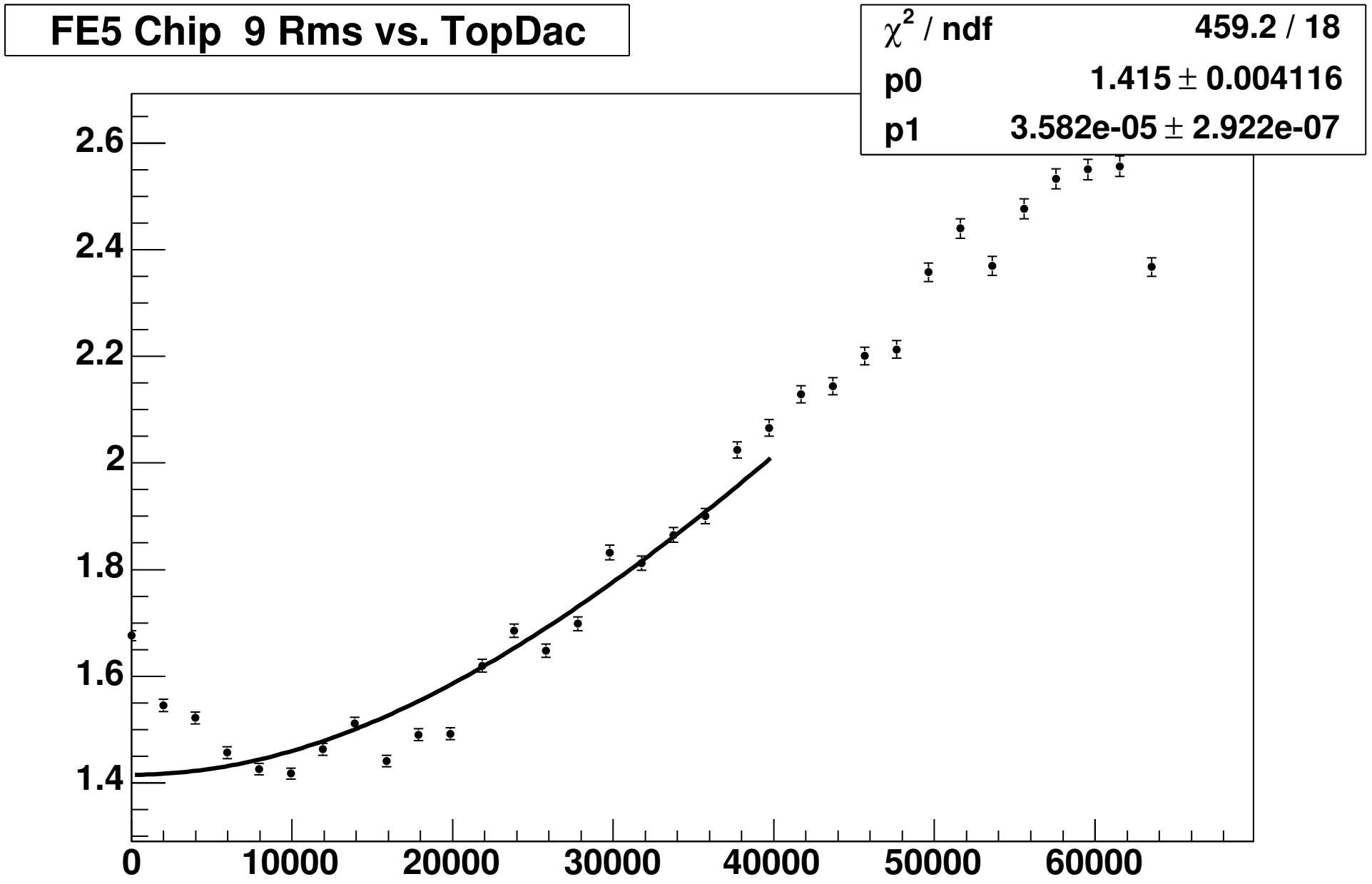
40000
50000
60000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 459.2 / 18
p0 1.415 ± 0.004116
p1 3.582e-05 ± 2.922e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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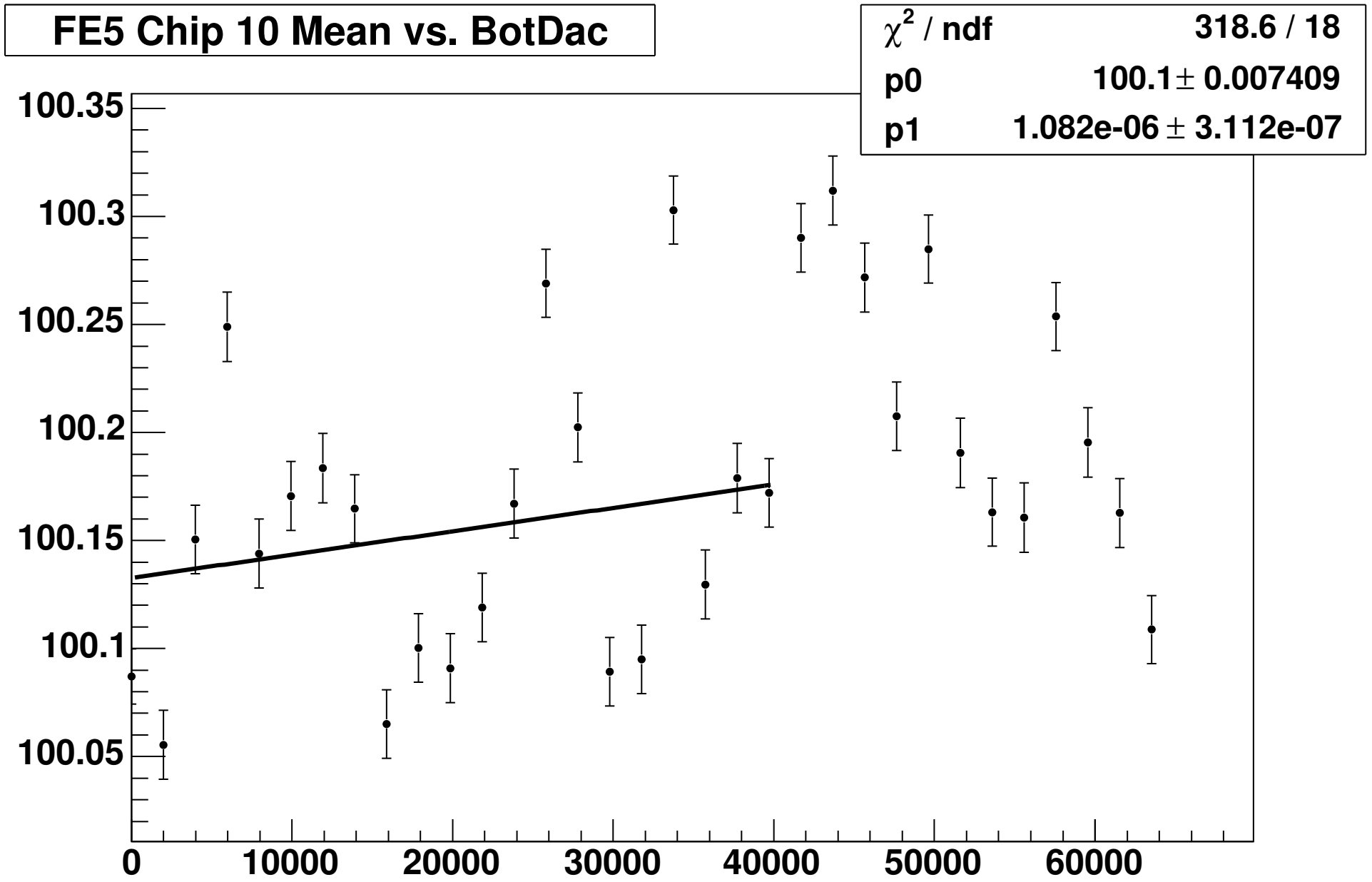
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 318.6 / 18
p0 100.1 ± 0.007409
p1 1.082e-06 ± 3.112e-07
100.35
100.3
100.25
100.2
100.15
100.1
100.05
0
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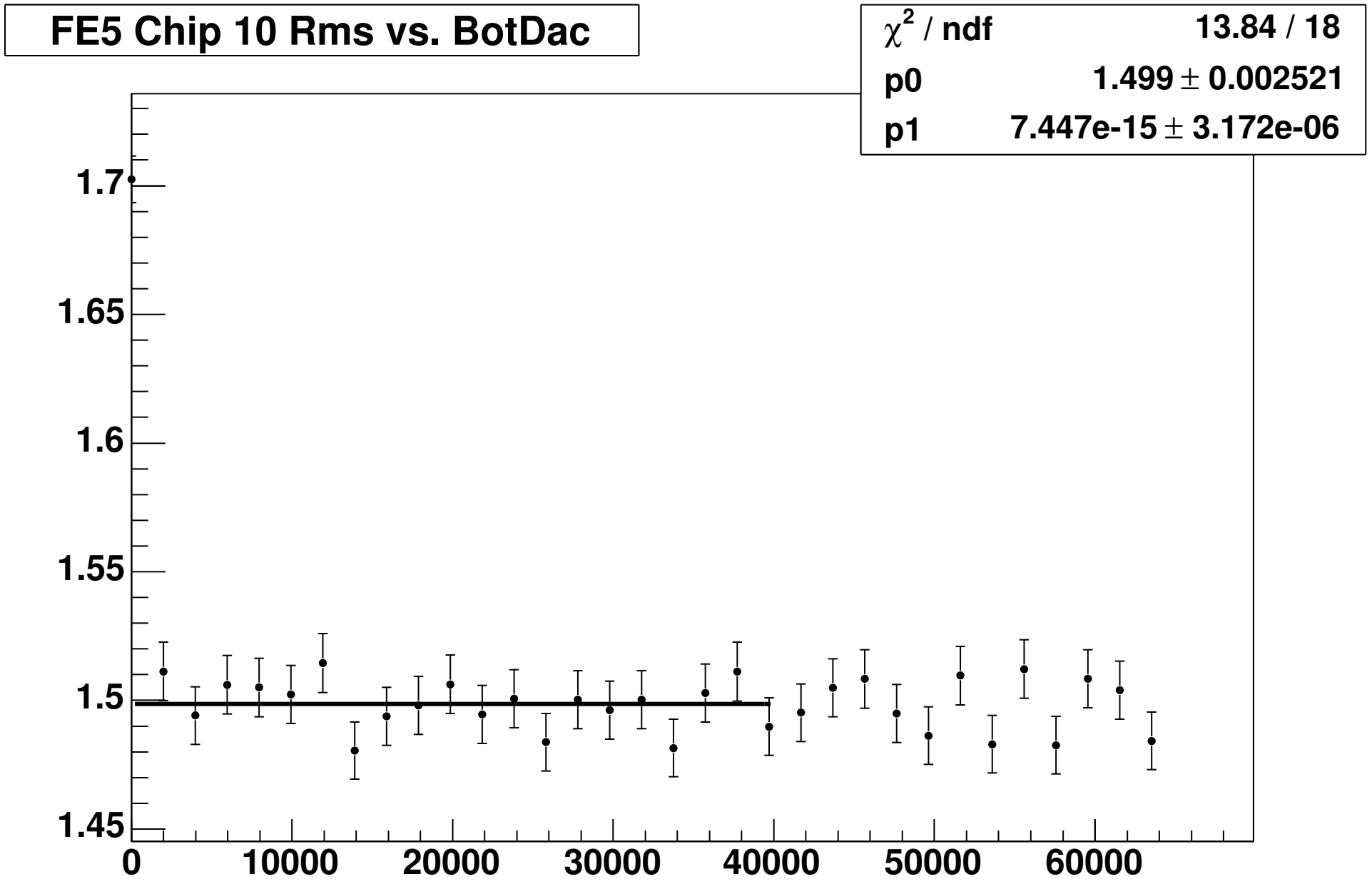
FE5 Chip 10 Rms vs. BotDac
χ² / ndf 13.84 / 18
p0 1.499 ± 0.002521
p1 7.447e-15 ± 3.172e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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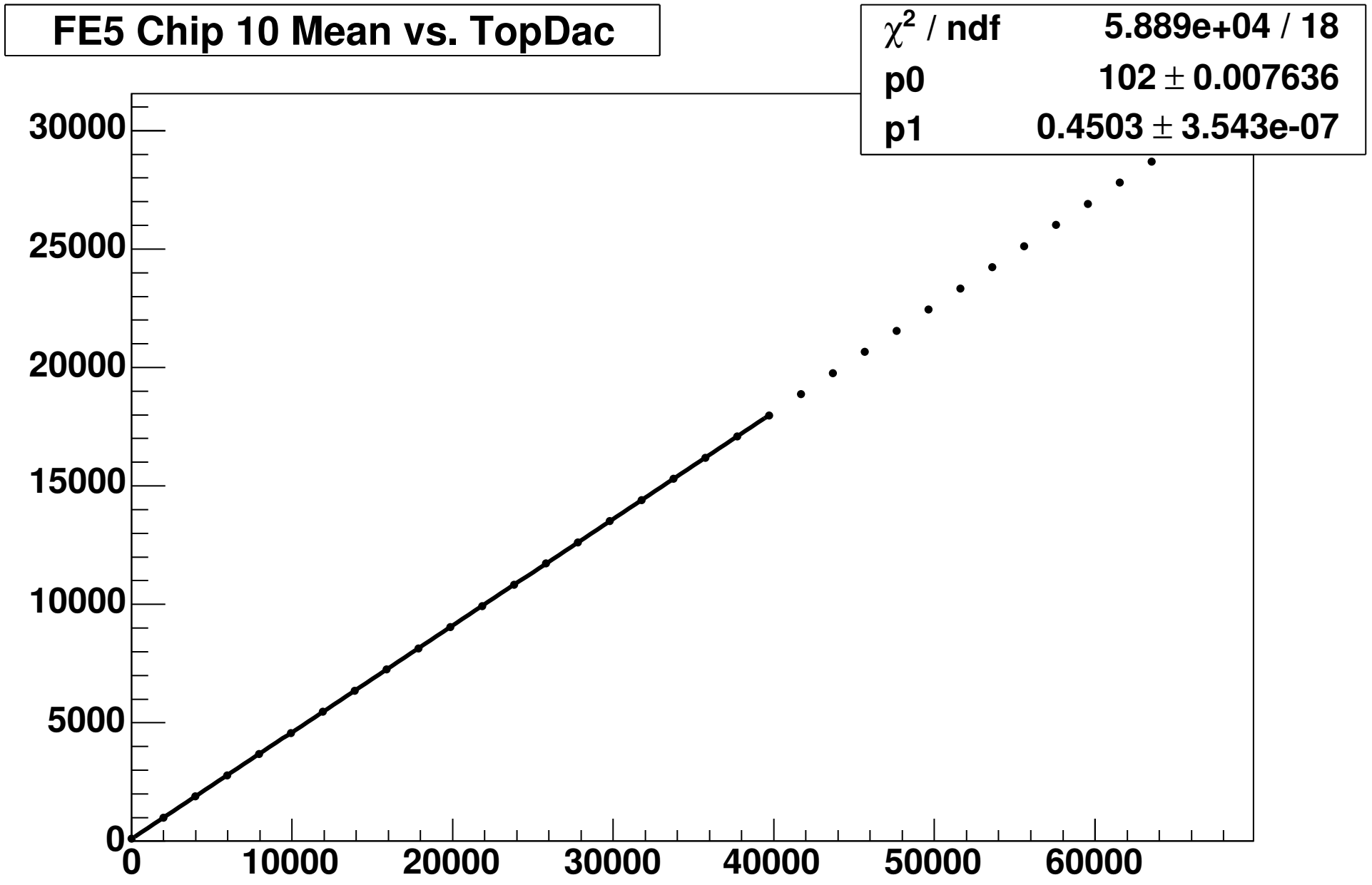
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 5.889e+04 / 18
p0 102 ± 0.007636
p1 0.4503 ± 3.543e-07
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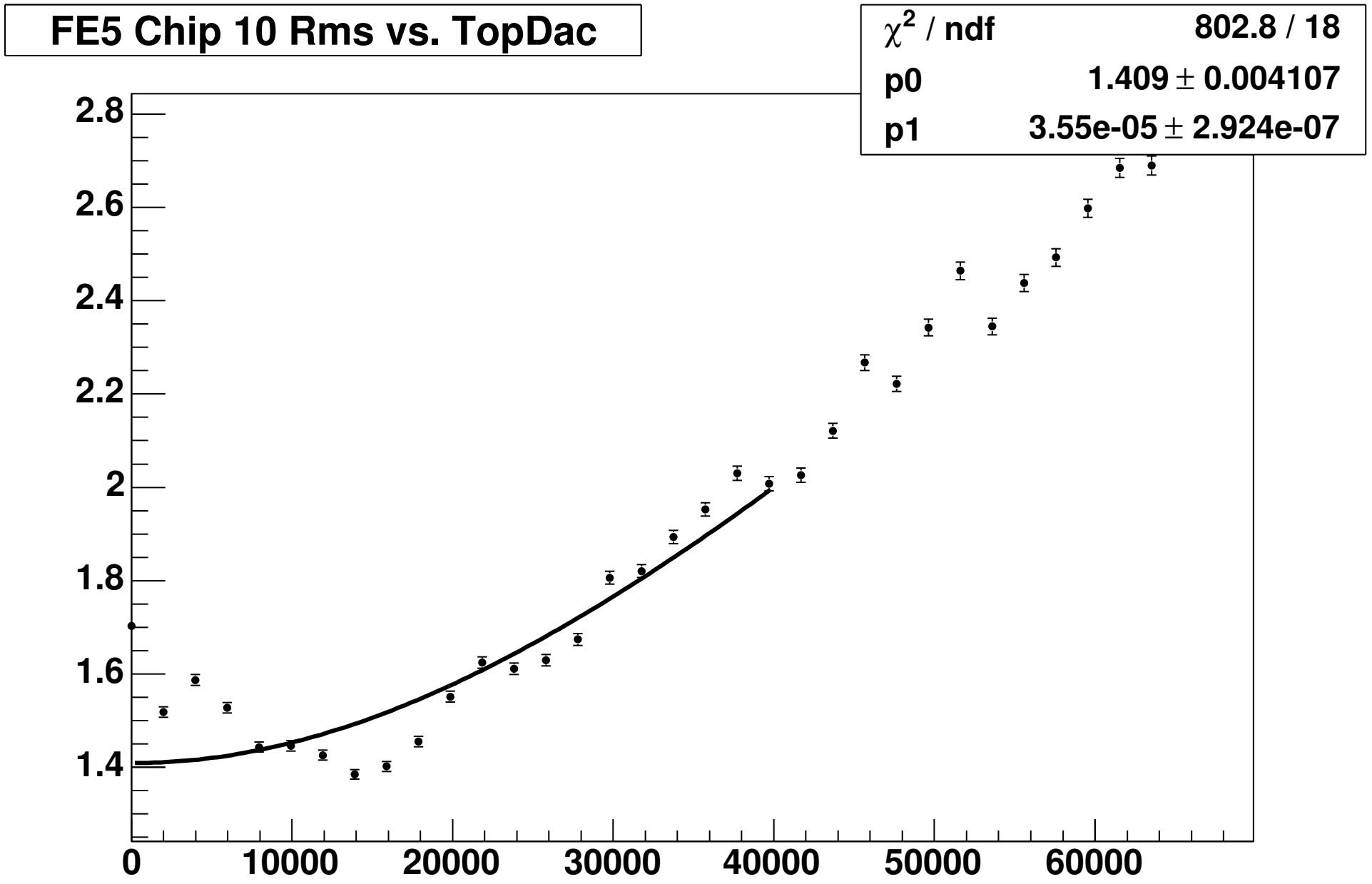
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 802.8 / 18
p0 1.409 ± 0.004107
p1 3.55e-05 ± 2.924e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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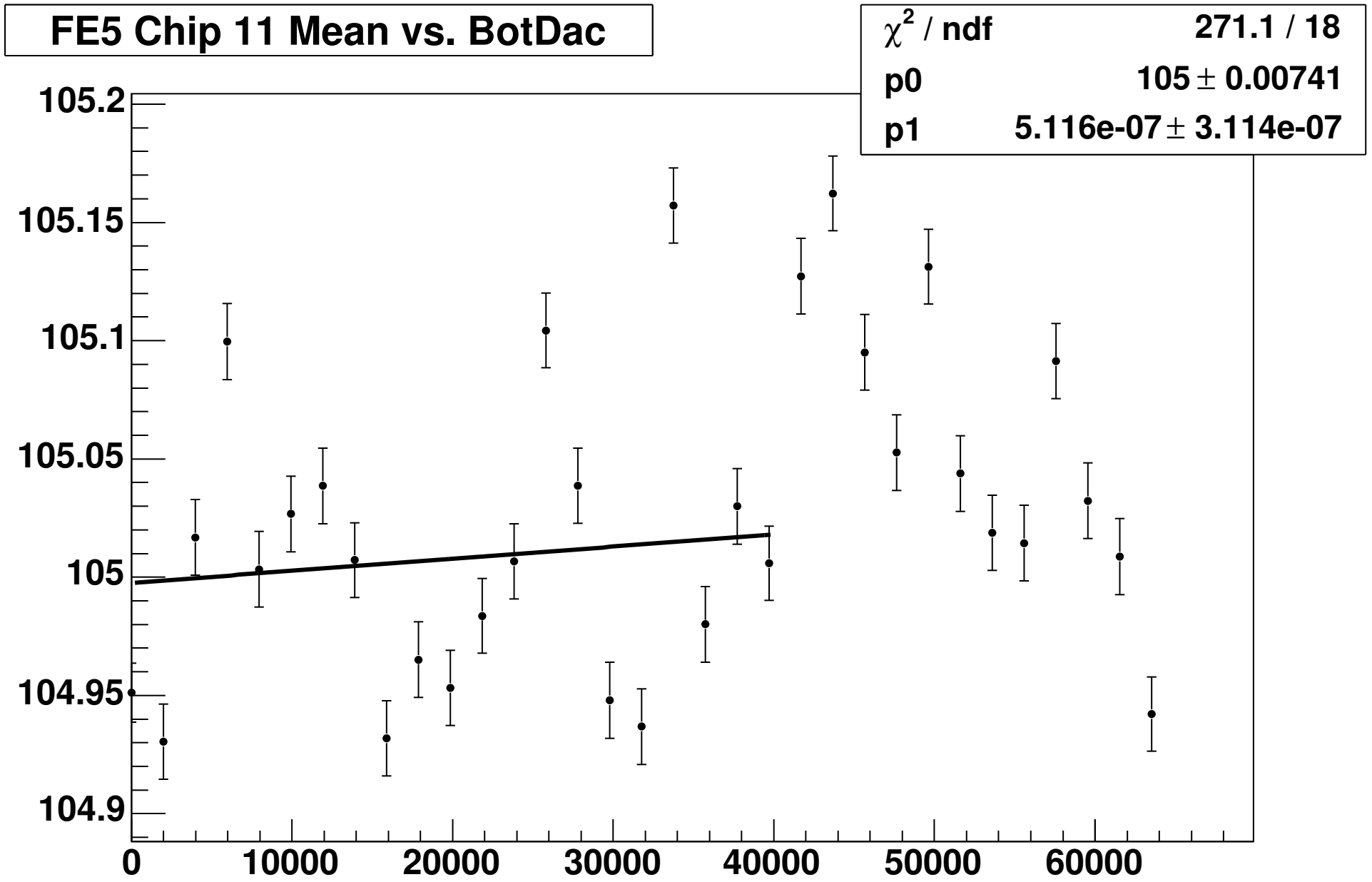
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 271.1 / 18
p0 105 ± 0.00741
p1 5.116e-07 ± 3.114e-07
105.2
105.15
105.1
105.05
105
104.95
104.9
0
10000
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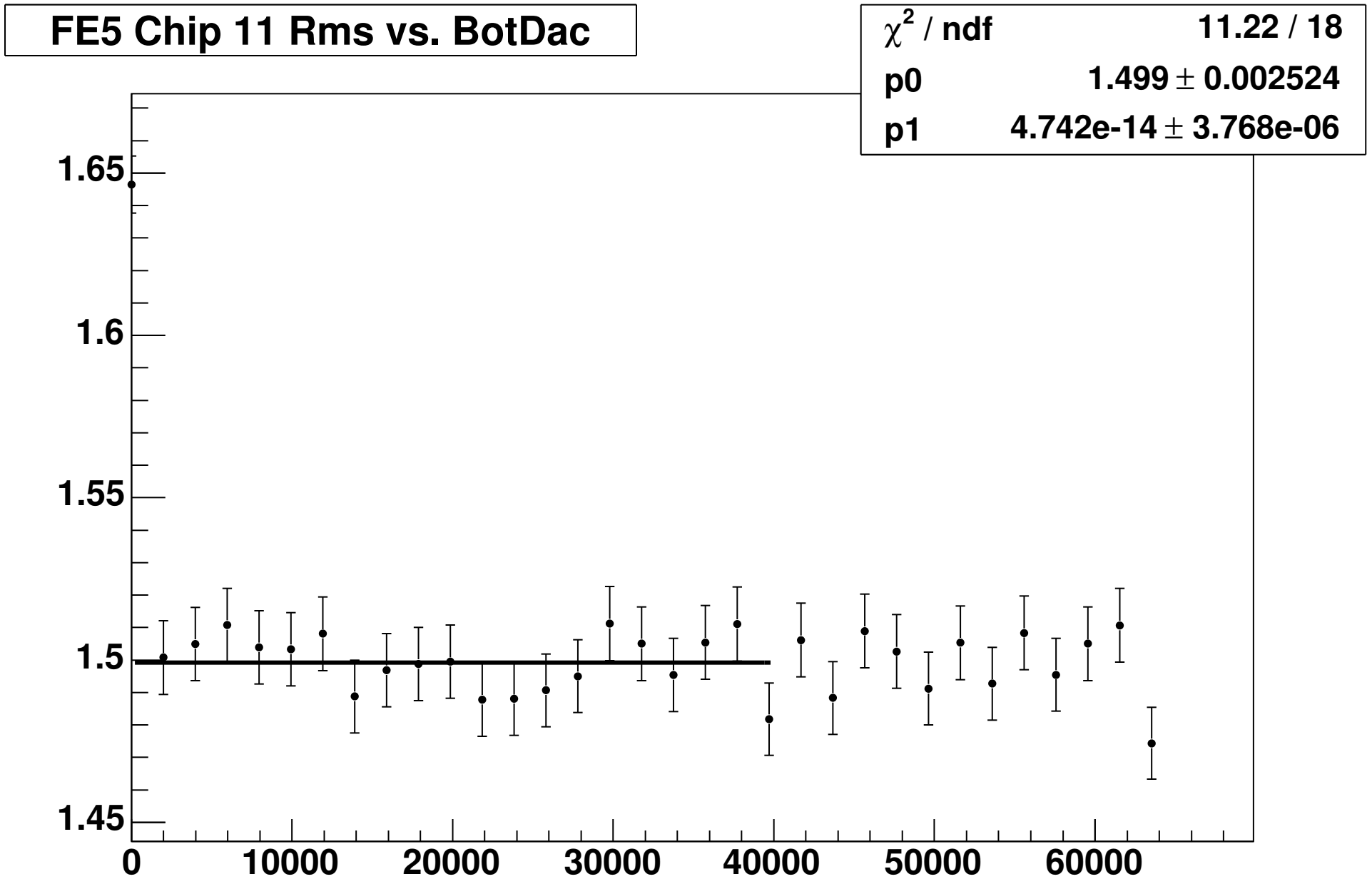
FE5 Chip 11 Rms vs. BotDac
χ² / ndf 11.22 / 18
p0 1.499 ± 0.002524
p1 4.742e-14 ± 3.768e-06
1.65
1.6
1.55
1.5
1.45
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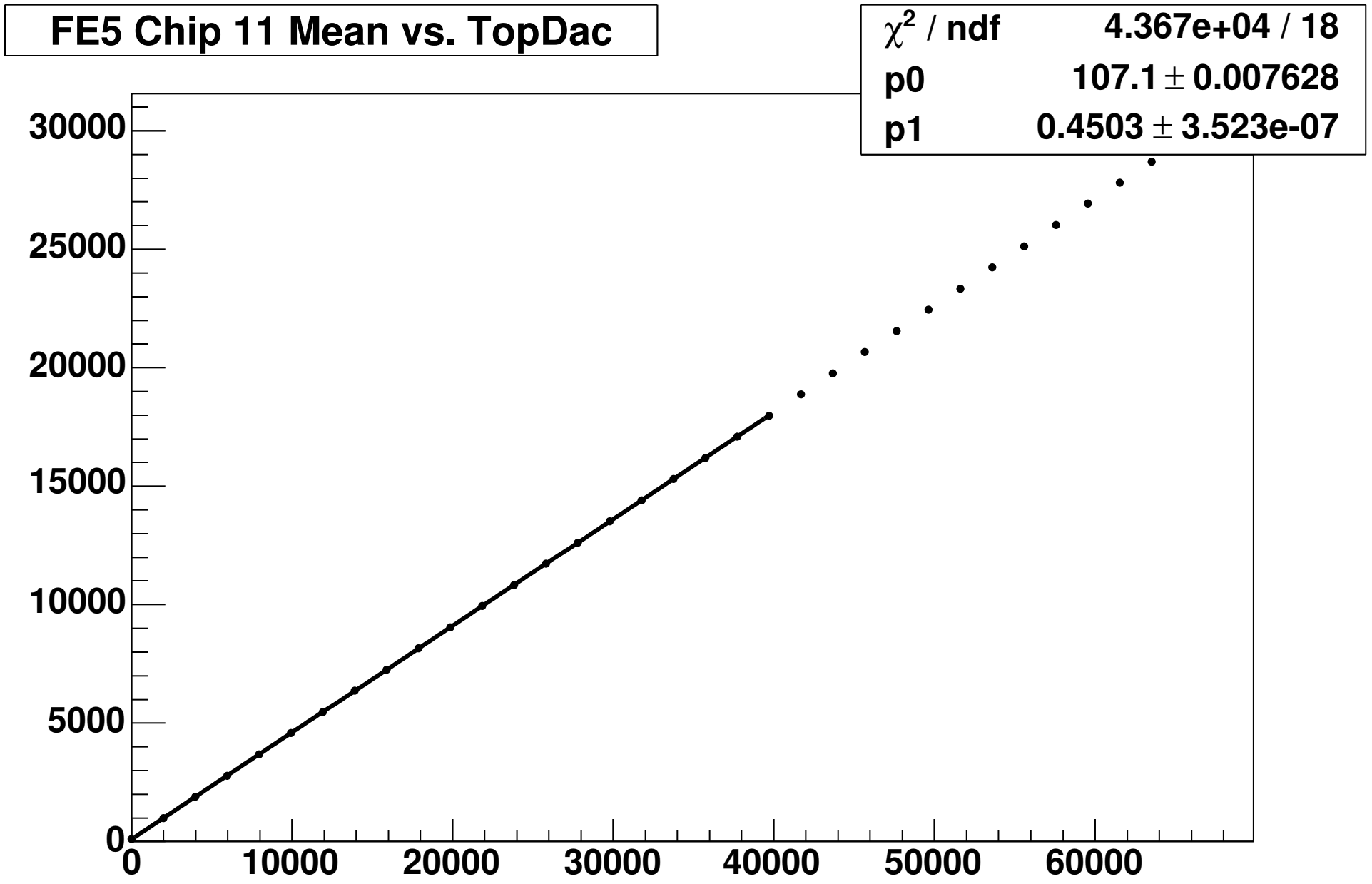
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 4.367e+04 / 18
p0 107.1 ± 0.007628
p1 0.4503 ± 3.523e-07
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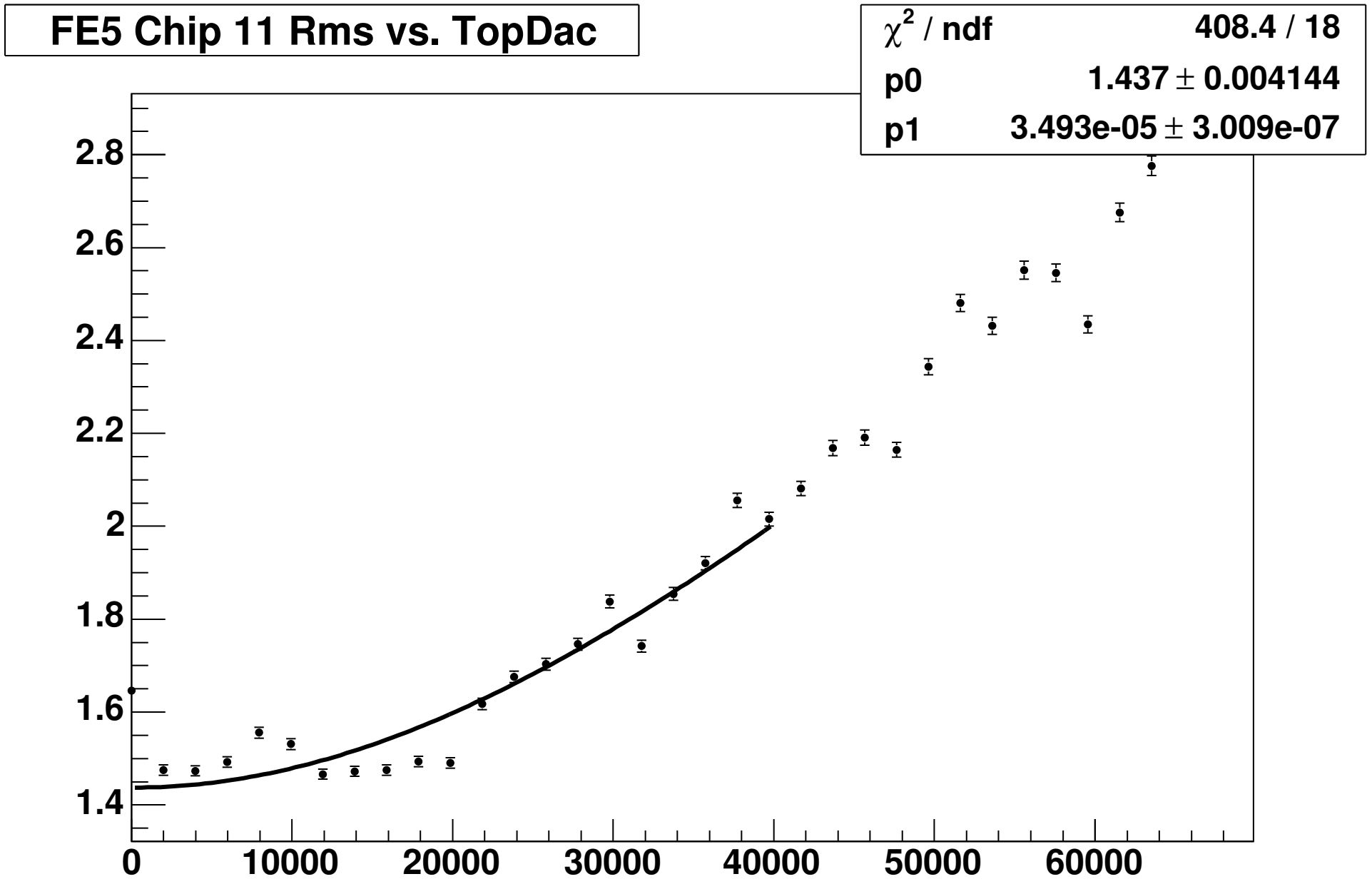
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 408.4 / 18
p0 1.437 ± 0.004144
p1 3.493e-05 ± 3.009e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
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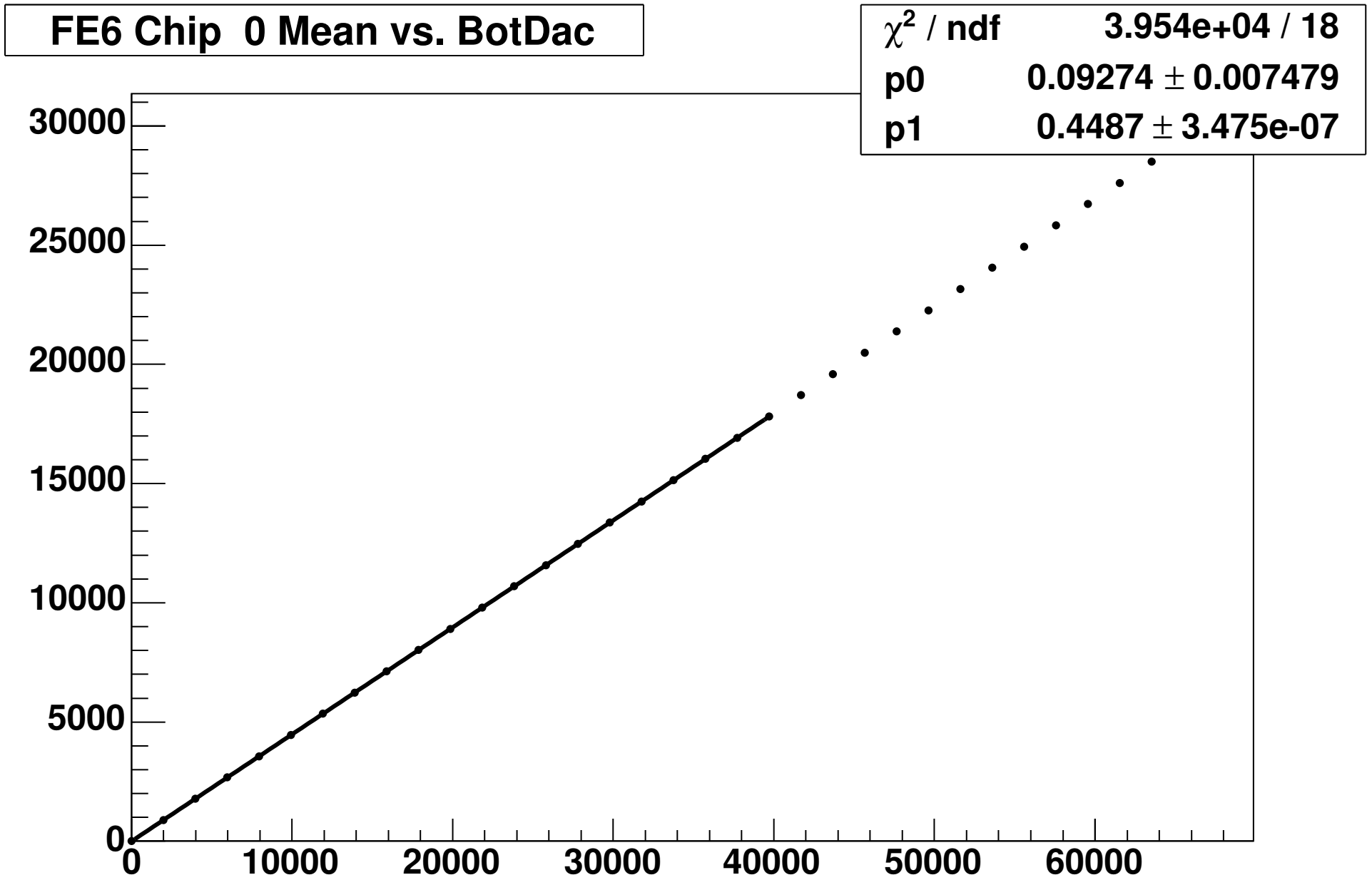
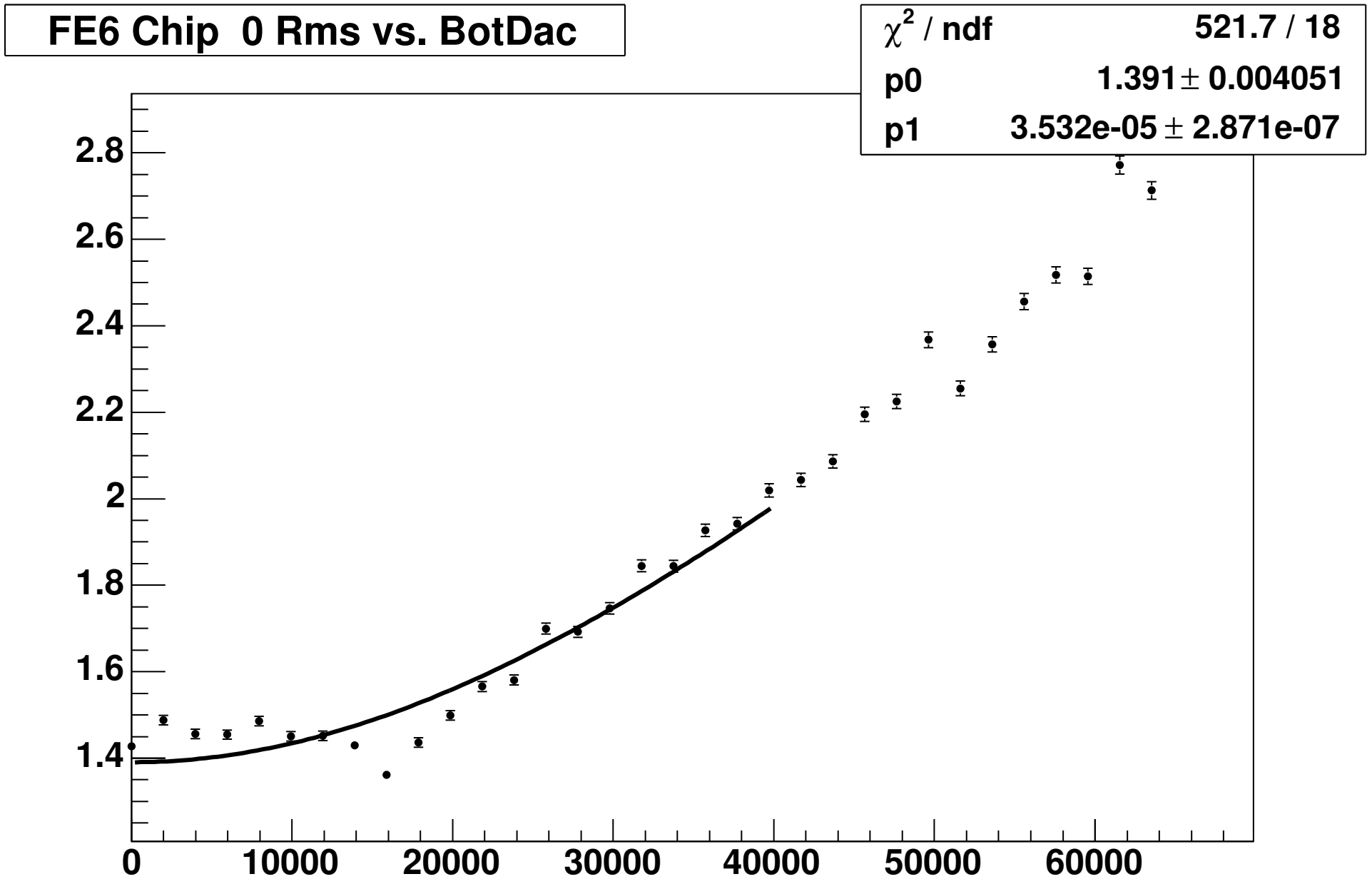

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 3.954e+04 / 18
p0 0.09274 ± 0.007479
p1 0.4487 ± 3.475e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 521.7 / 18
p0 1.391 ± 0.004051
p1 3.532e-05 ± 2.871e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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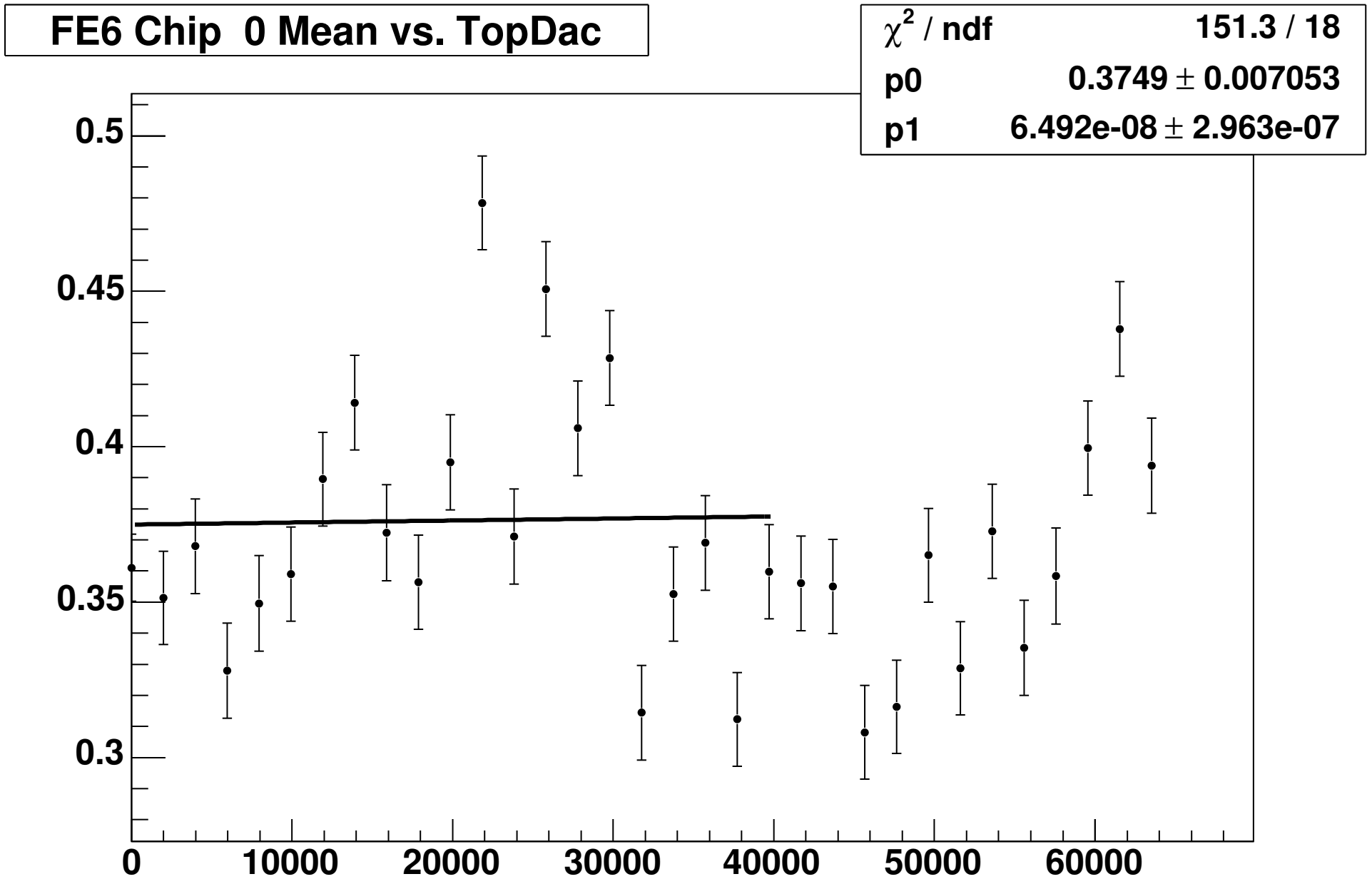
60000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 151.3 / 18
p0 0.3749 ± 0.007053
p1 6.492e-08 ± 2.963e-07
0.5
0.45
0.4
0.35
0.3
0
10000
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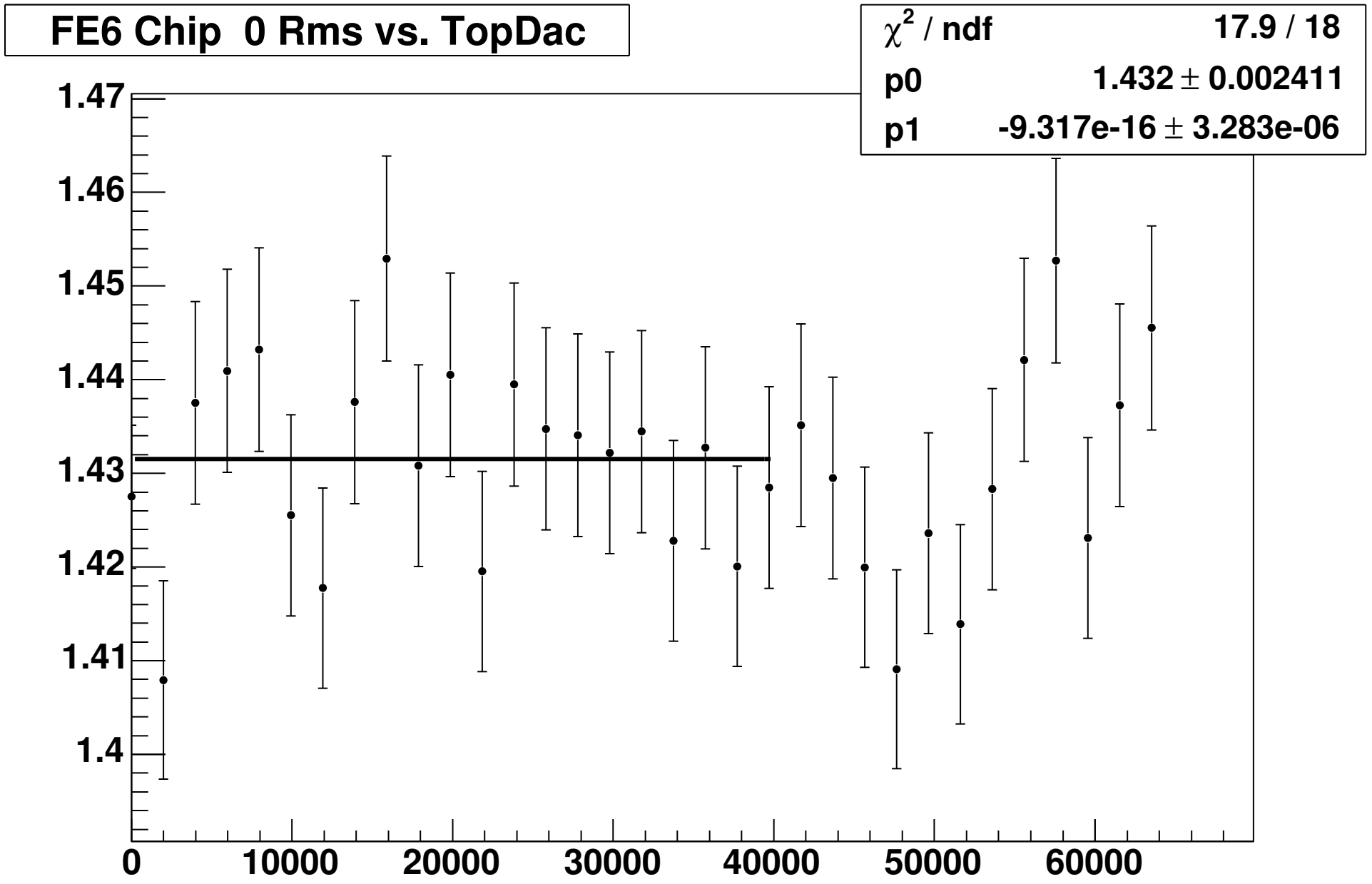
30000
40000
50000
60000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 17.9 / 18
p0 1.432 ± 0.002411
p1 -9.317e-16 ± 3.283e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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40000
50000
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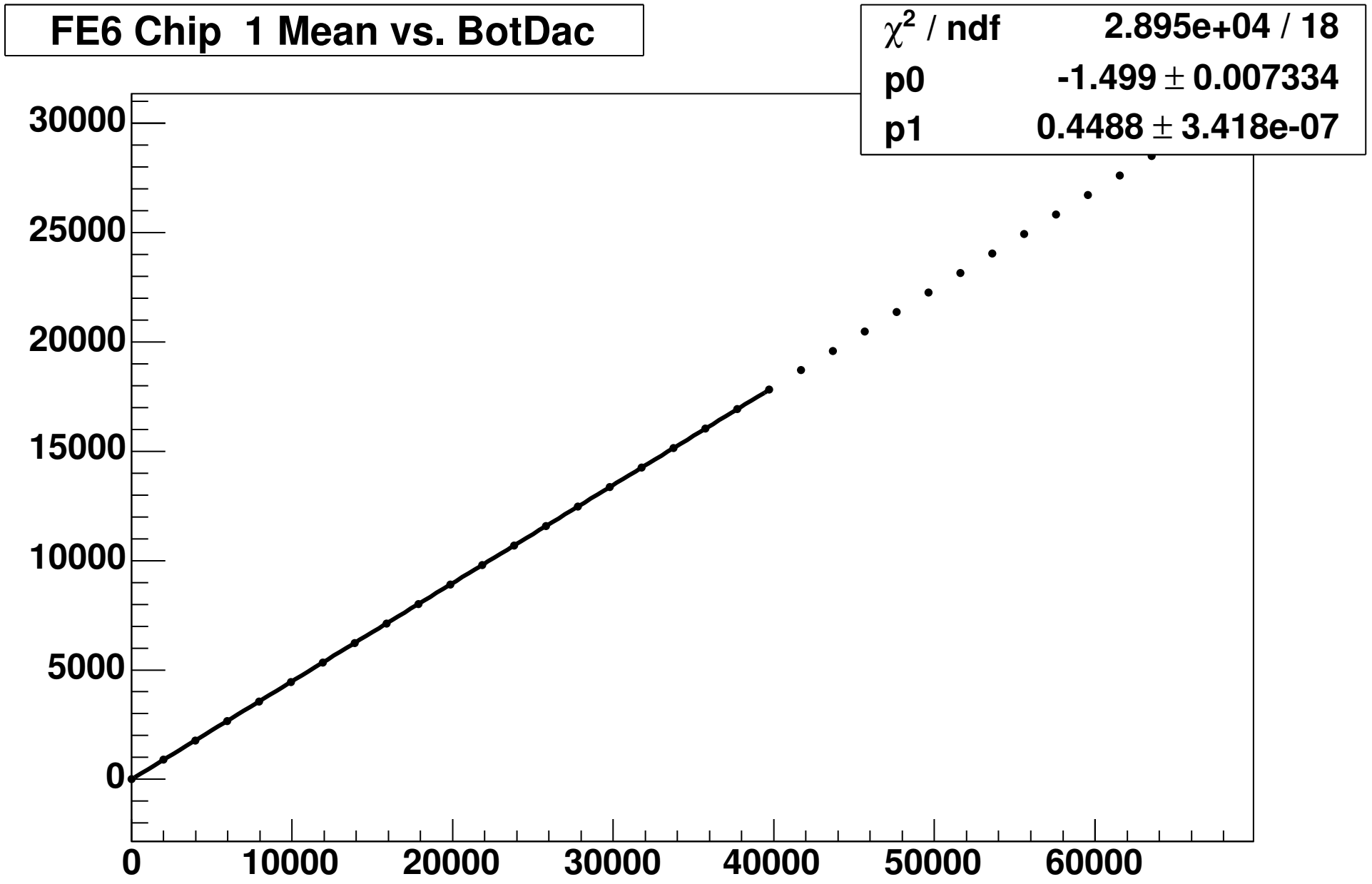
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 2.895e+04 / 18
p0 -1.499 ± 0.007334
p1 0.4488 ± 3.418e-07
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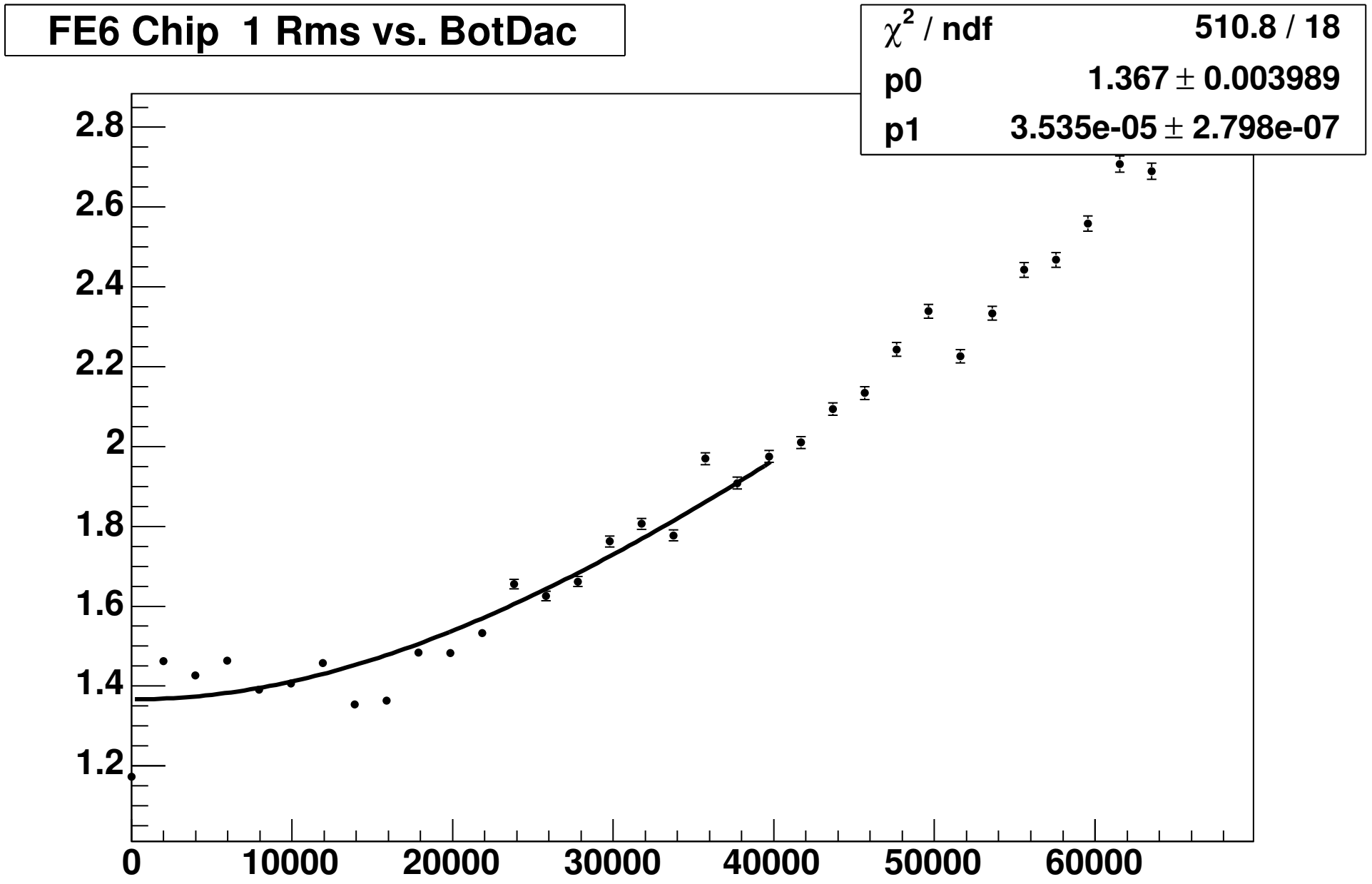
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 510.8 / 18
p0 1.367 ± 0.003989
p1 3.535e-05 ± 2.798e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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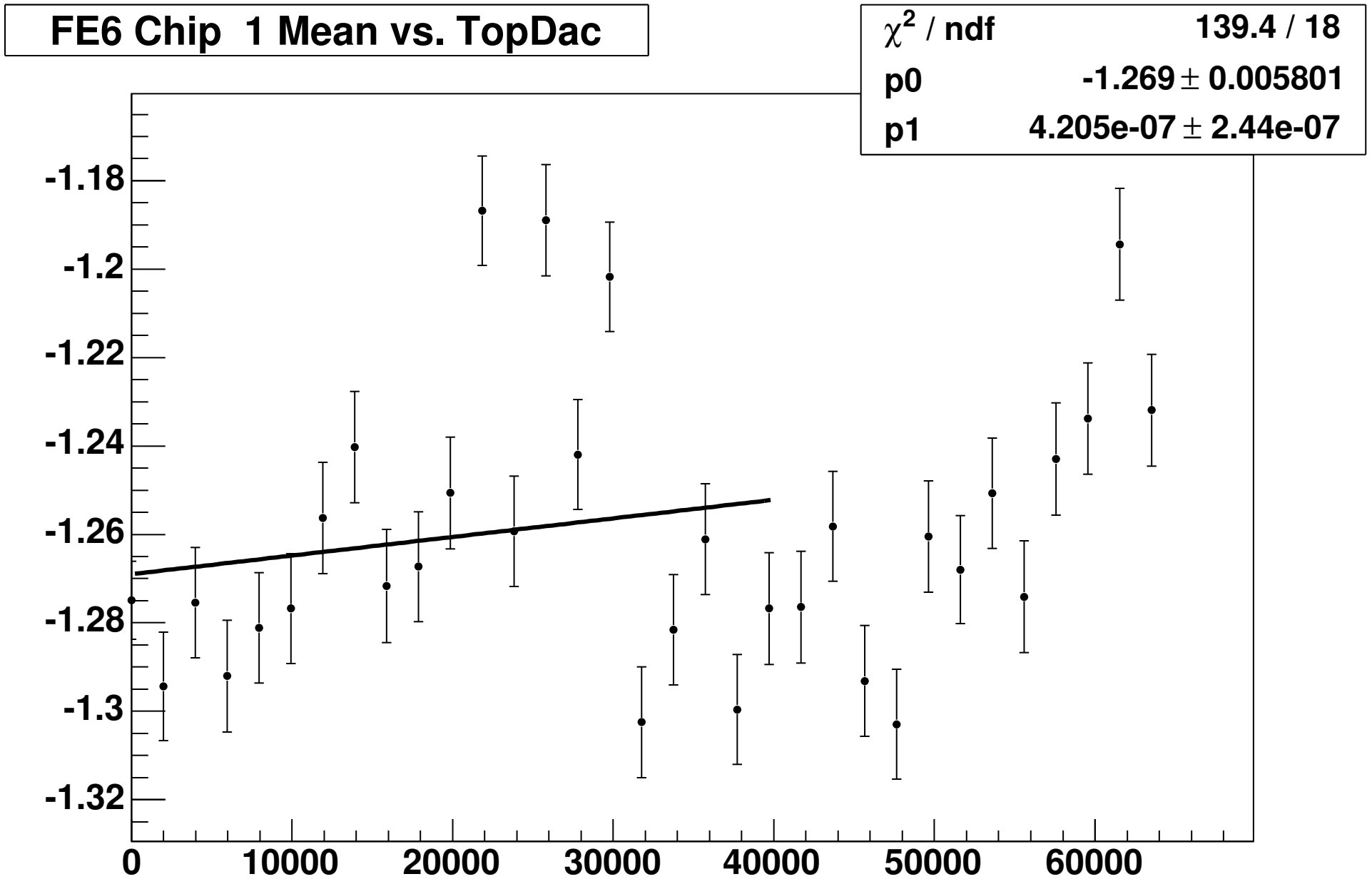
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 139.4 / 18
p0 -1.269 ± 0.005801
p1 4.205e-07 ± 2.44e-07
-1.18
-1.2
-1.22
-1.24
-1.26
-1.28
-1.3
-1.32
0
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30000
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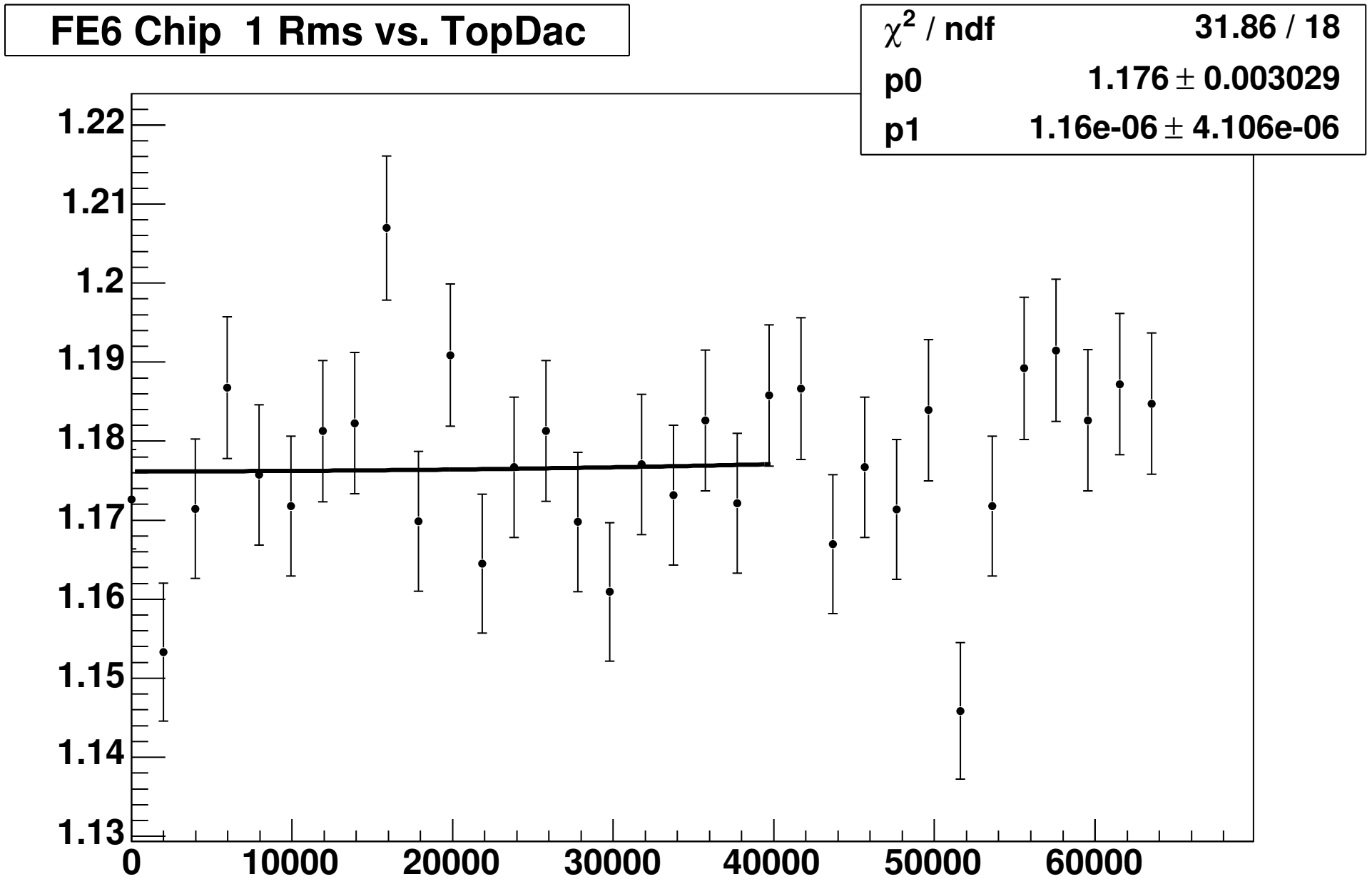
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 31.86 / 18
p0 1.176 ± 0.003029
p1 1.16e-06 ± 4.106e-06
1.22
1.21
1.2
1.19
1.18
1.17
1.16
1.15
1.14
1.13
0
10000
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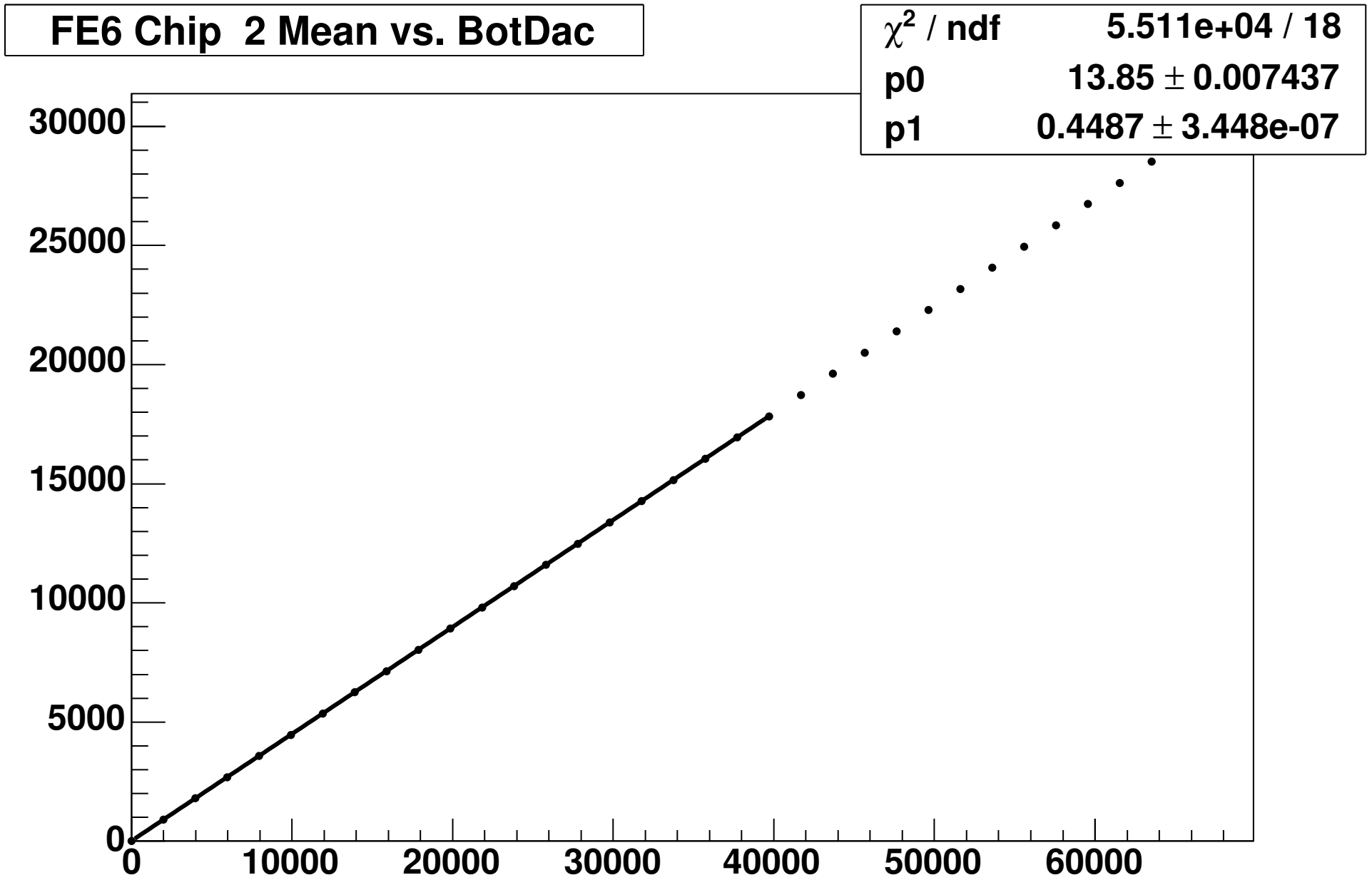
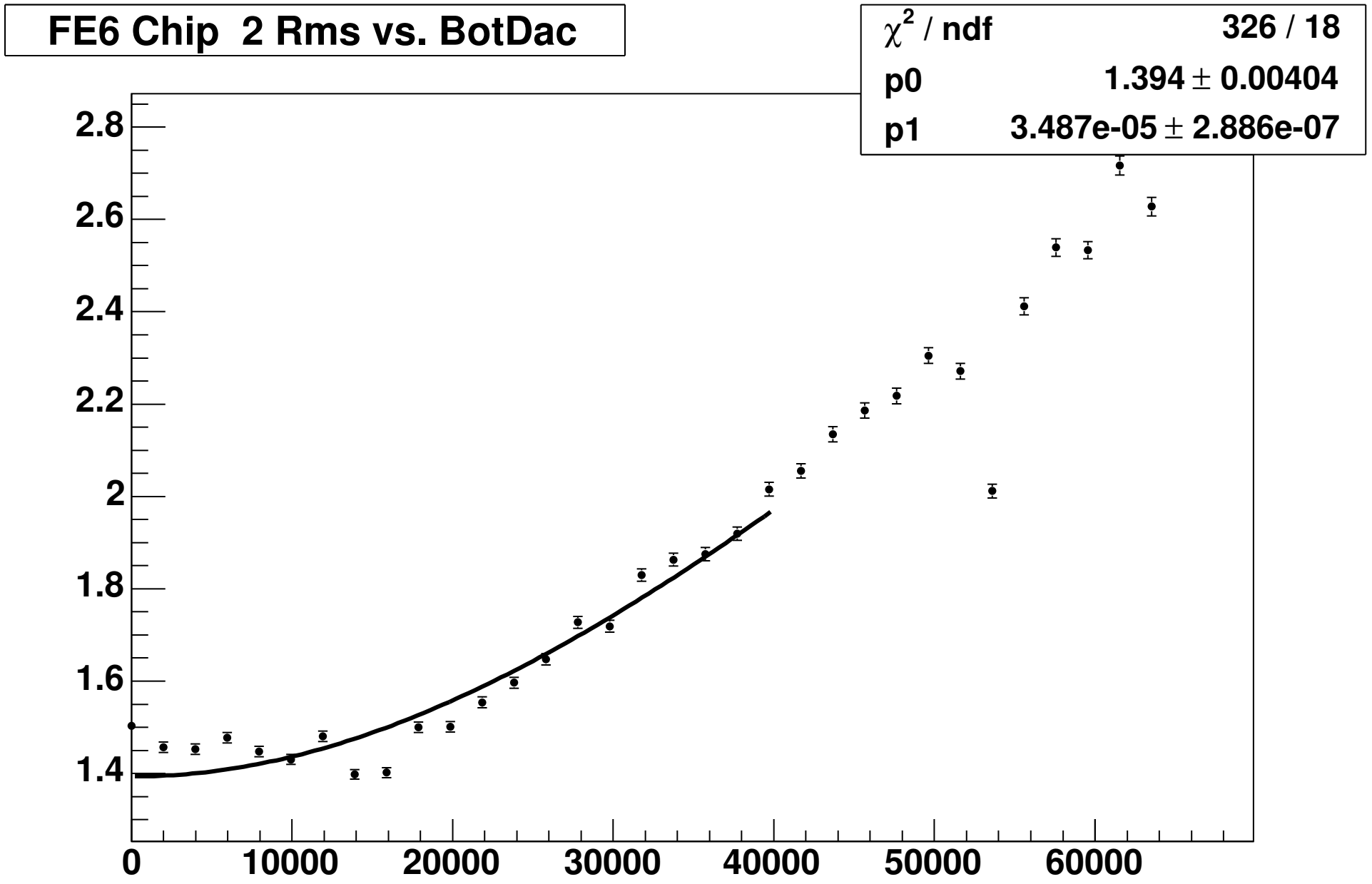
30000
40000
50000
60000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 5.511e+04 / 18
p0 13.85 ± 0.007437
p1 0.4487 ± 3.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 326 / 18
p0 1.394 ± 0.00404
p1 3.487e-05 ± 2.886e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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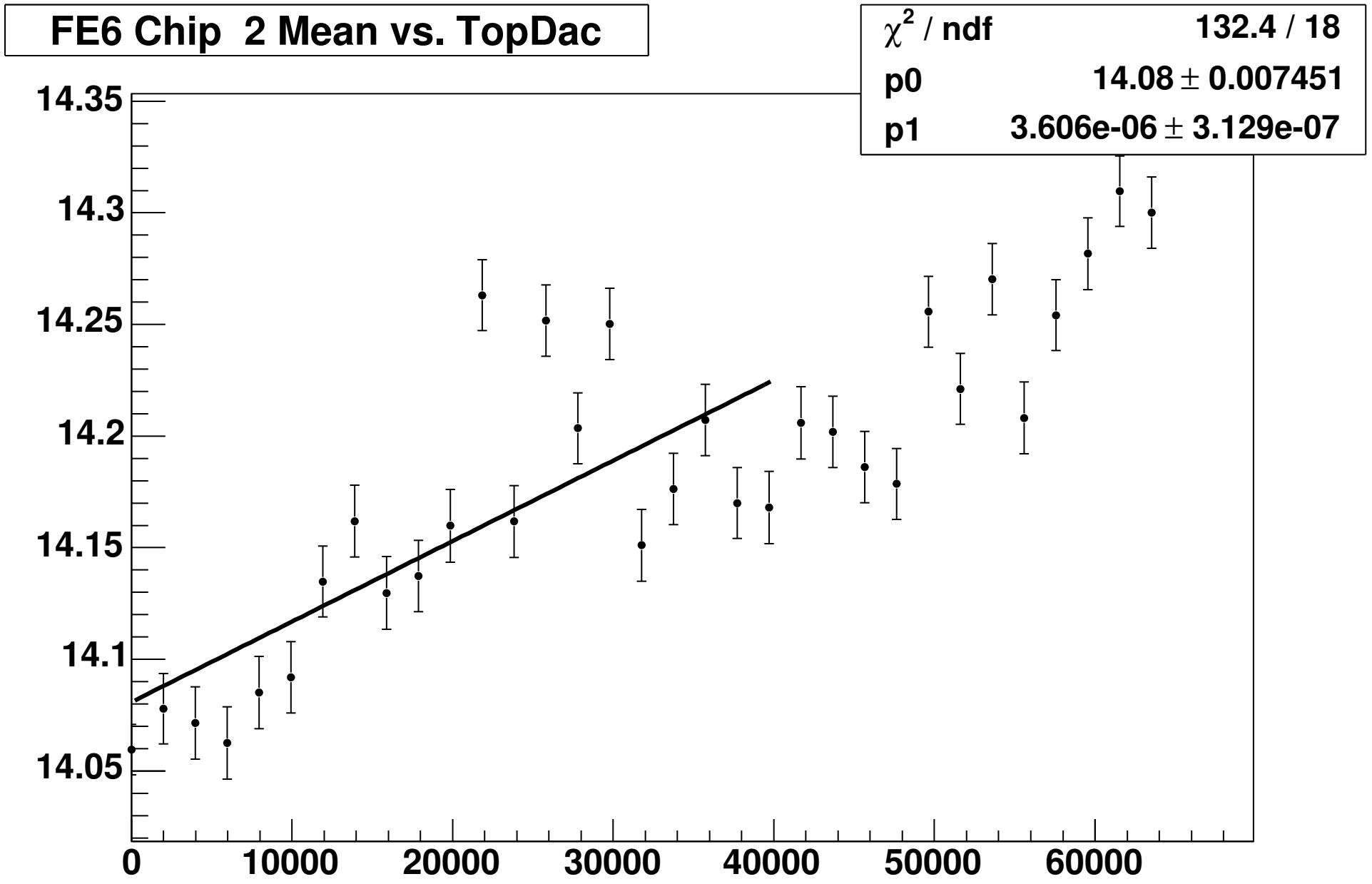
40000
50000
60000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 132.4 / 18
p0 14.08 ± 0.007451
p1 3.606e-06 ± 3.129e-07
14.35
14.3
14.25
14.2
14.15
14.1
14.05
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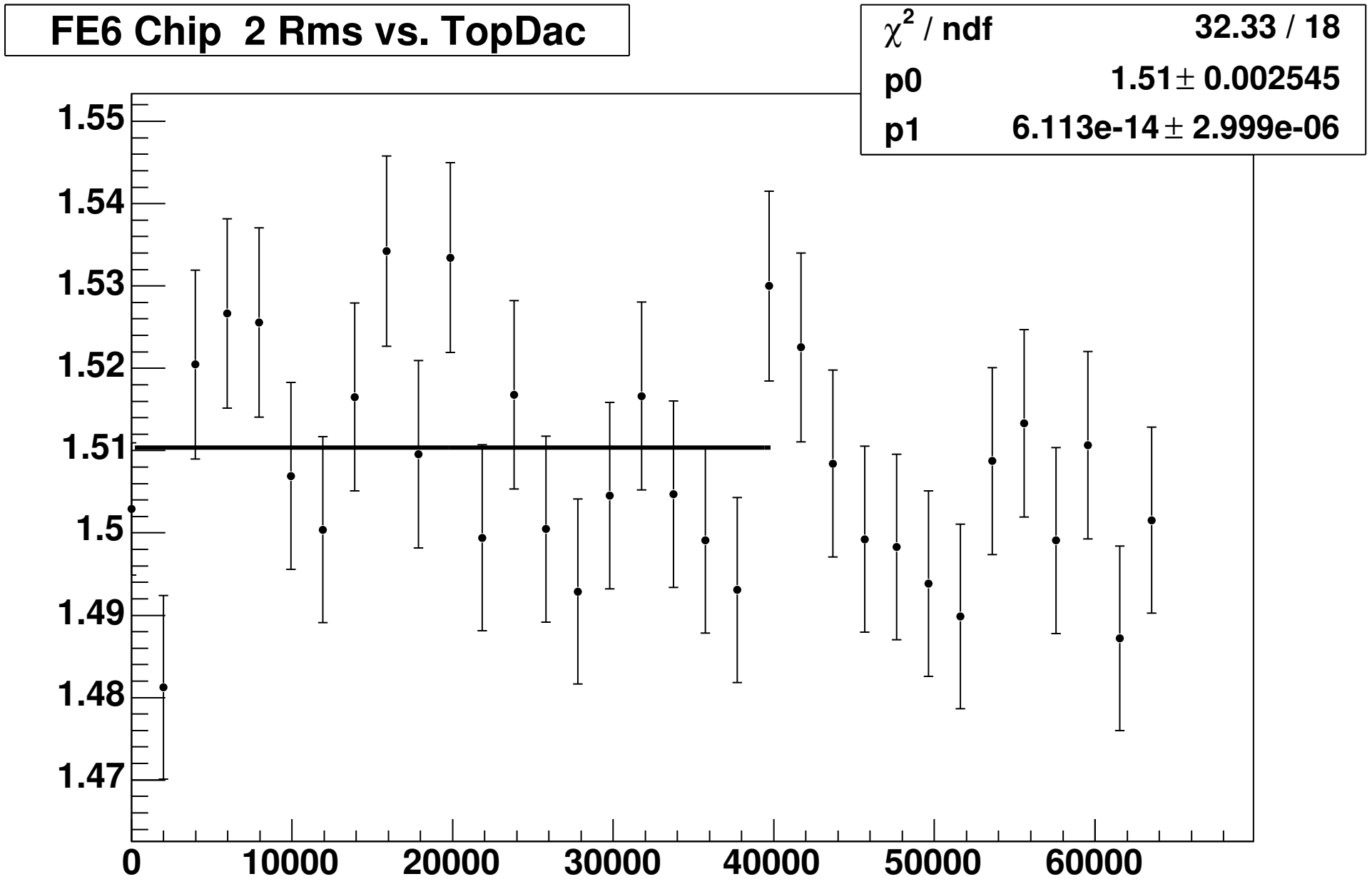
40000
50000
60000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 32.33 / 18
p0 1.51 ± 0.002545
p1 6.113e-14 ± 2.999e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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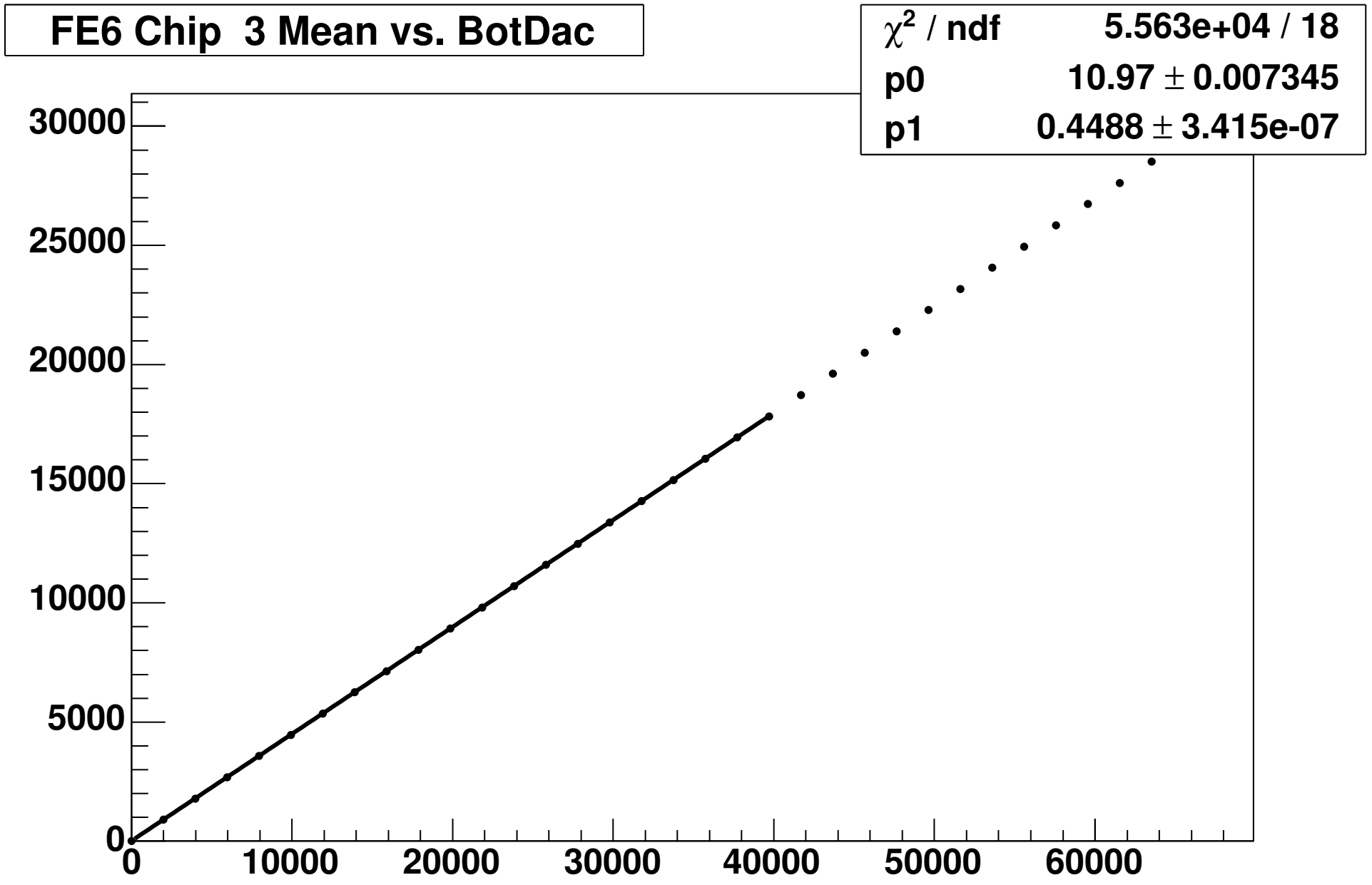
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 5.563e+04 / 18
p0 10.97 ± 0.007345
p1 0.4488 ± 3.415e-07
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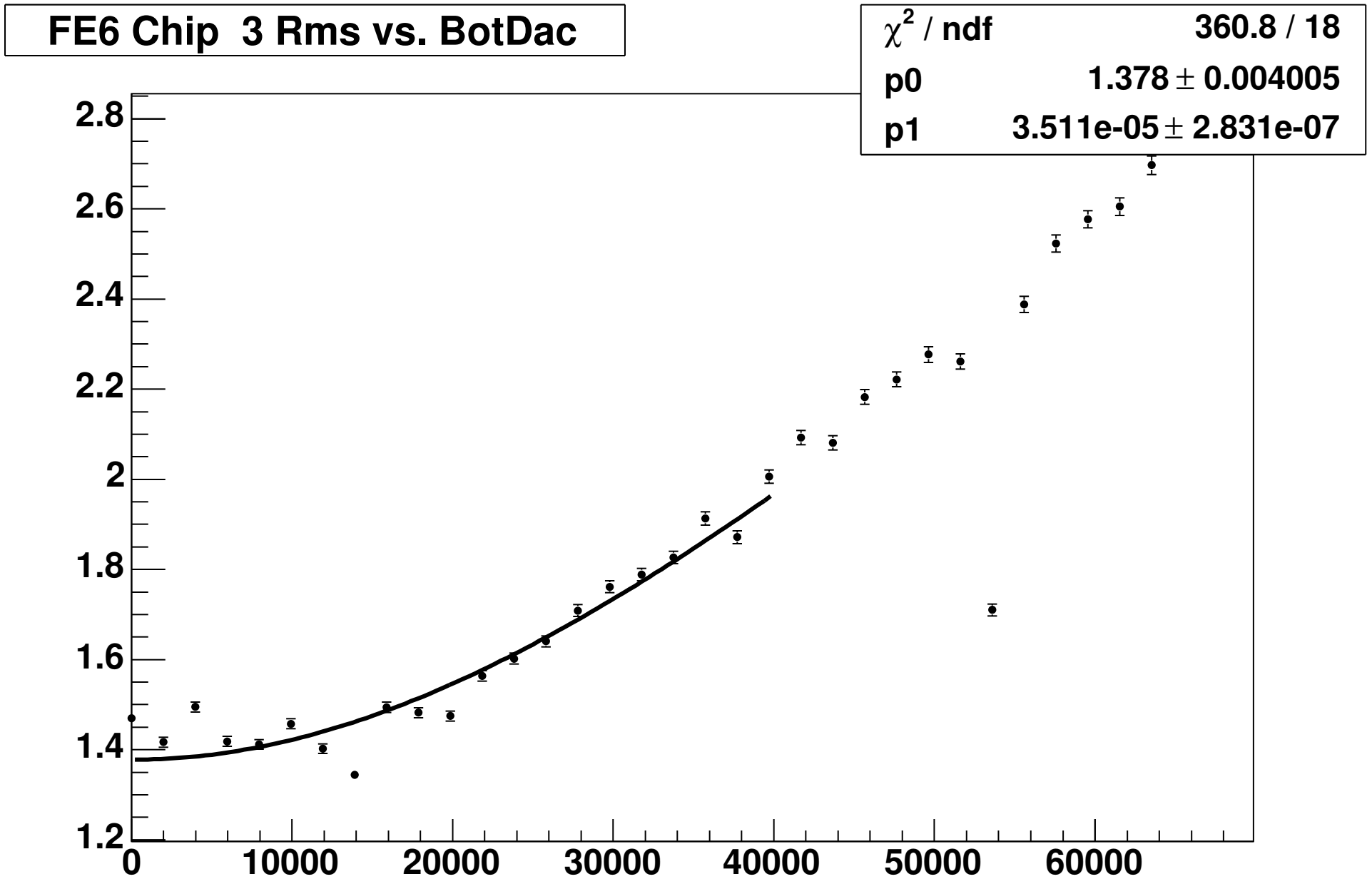
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 360.8 / 18
p0 1.378 ± 0.004005
p1 3.511e-05 ± 2.831e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
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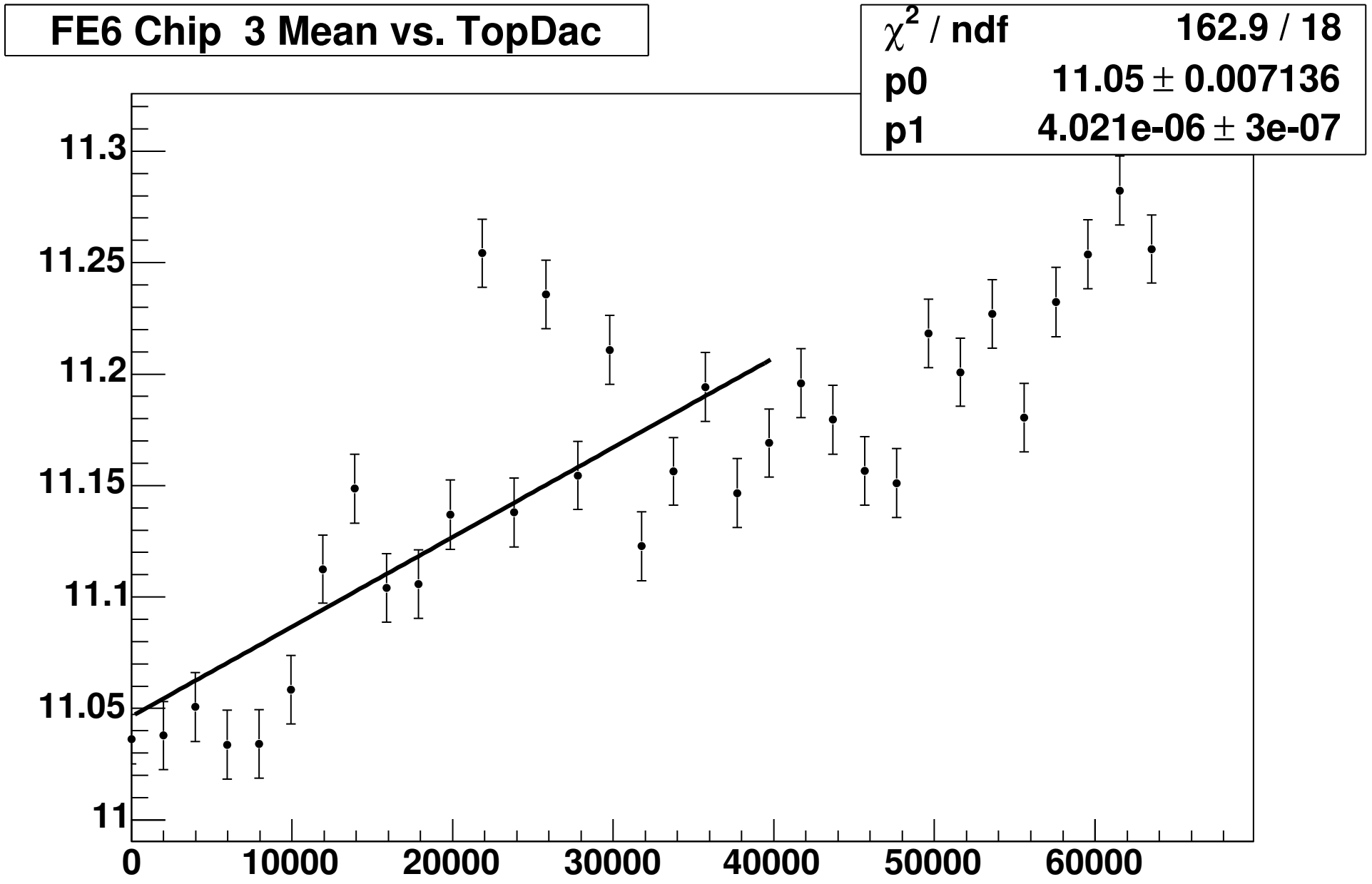
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 162.9 / 18
p0 11.05 ± 0.007136
p1 4.021e-06 ± 3e-07
11.3
11.25
11.2
11.15
11.1
11.05
11
0
10000
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50000
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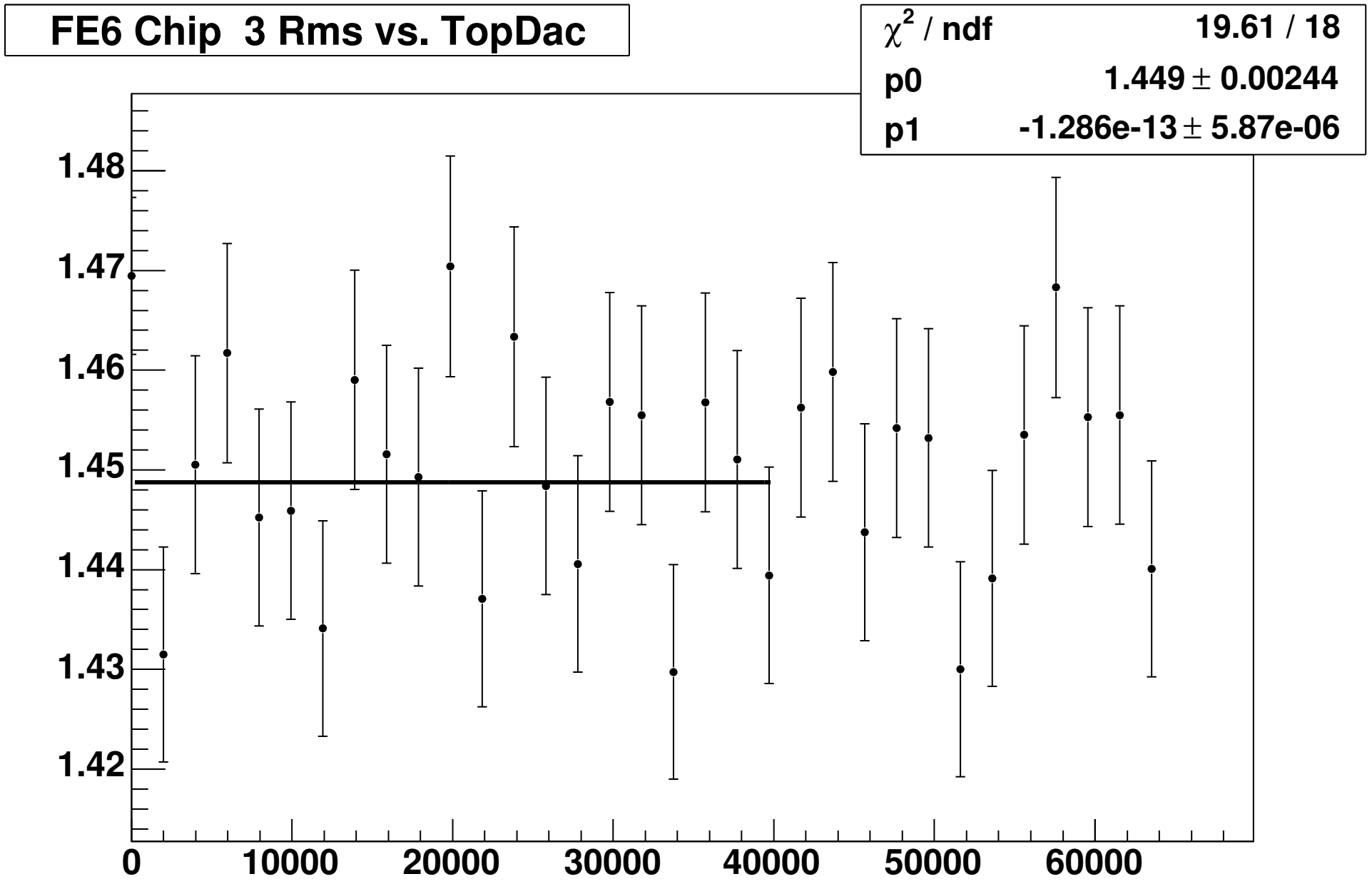
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 19.61 / 18
p0 1.449 ± 0.00244
p1 -1.286e-13 ± 5.87e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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10000
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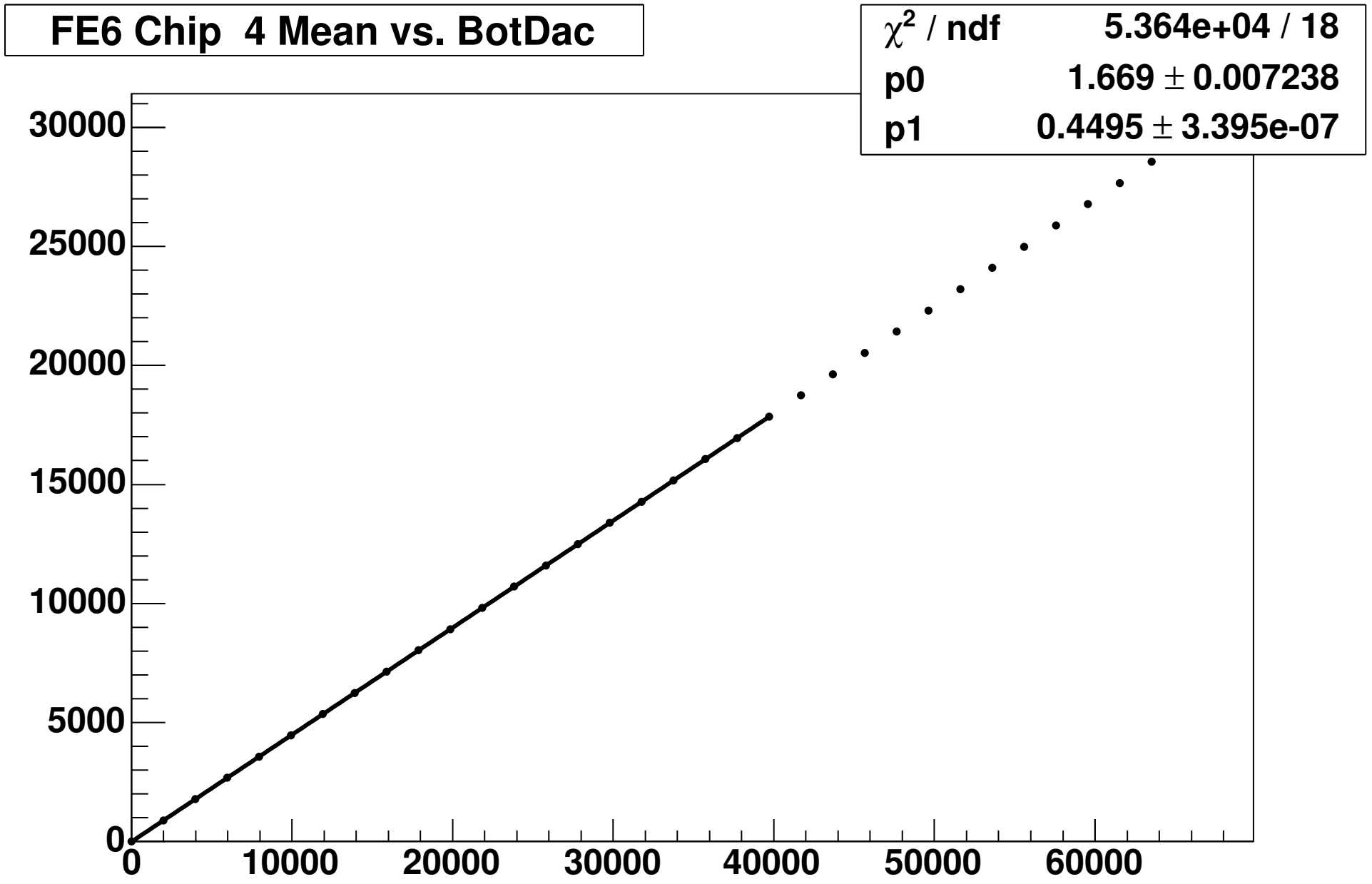
60000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 5.364e+04 / 18
p0 1.669 ± 0.007238
p1 0.4495 ± 3.395e-07
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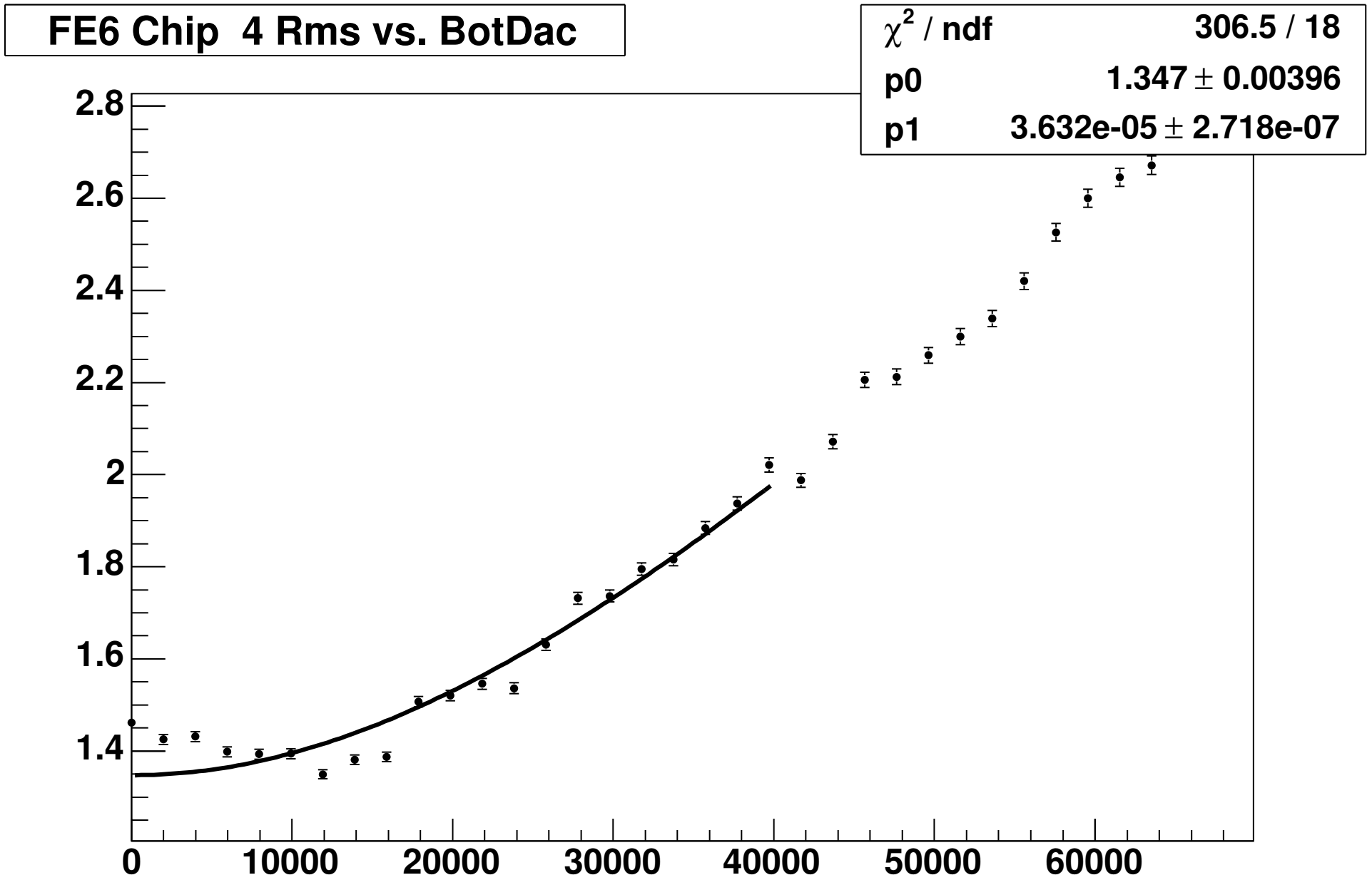
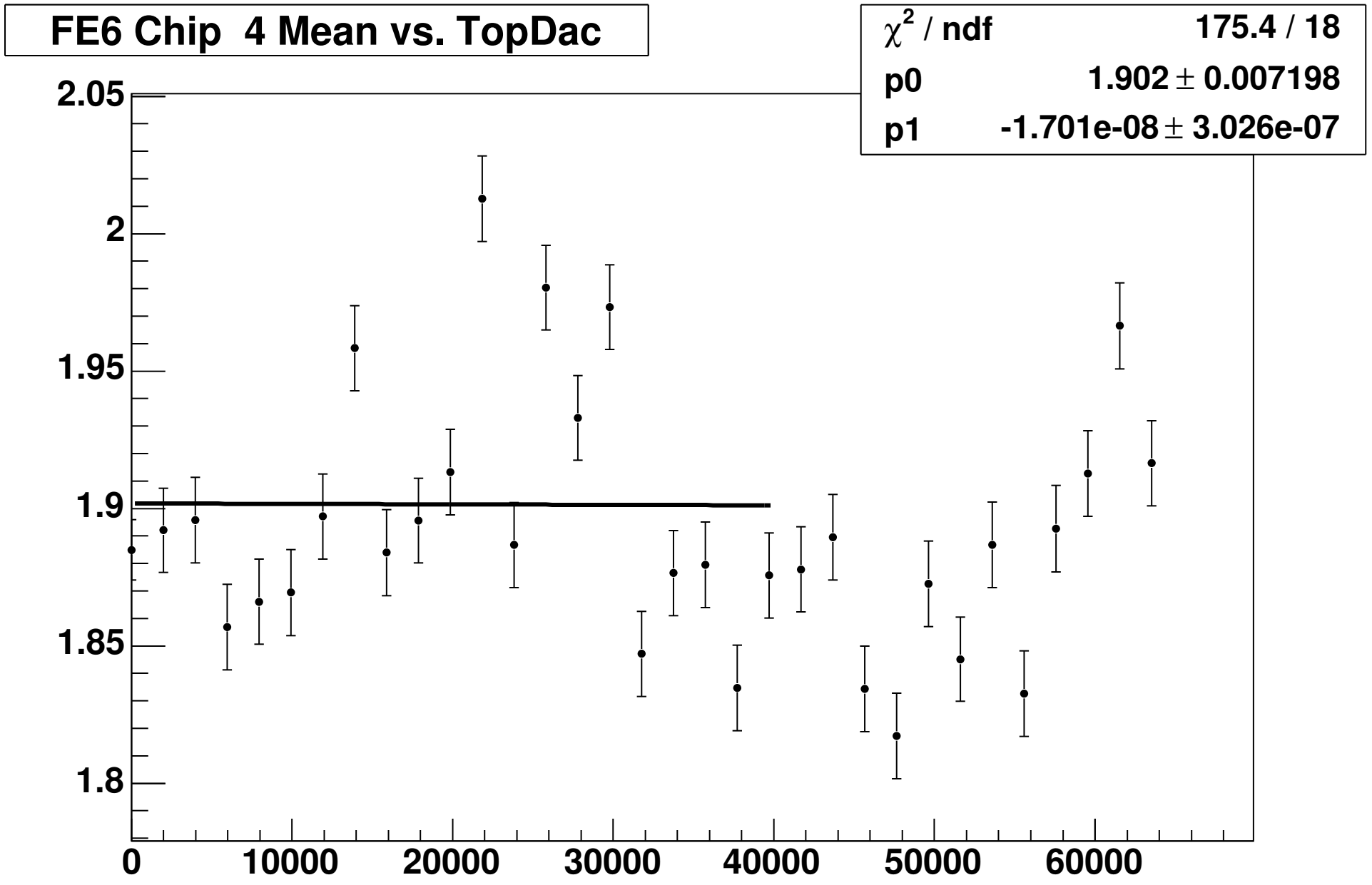
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 306.5 / 18
p0 1.347 ± 0.00396
p1 3.632e-05 ± 2.718e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 175.4 / 18
p0 1.902 ± 0.007198
p1 -1.701e-08 ± 3.026e-07
2.05
2
1.95
1.9
1.85
1.8
0
10000
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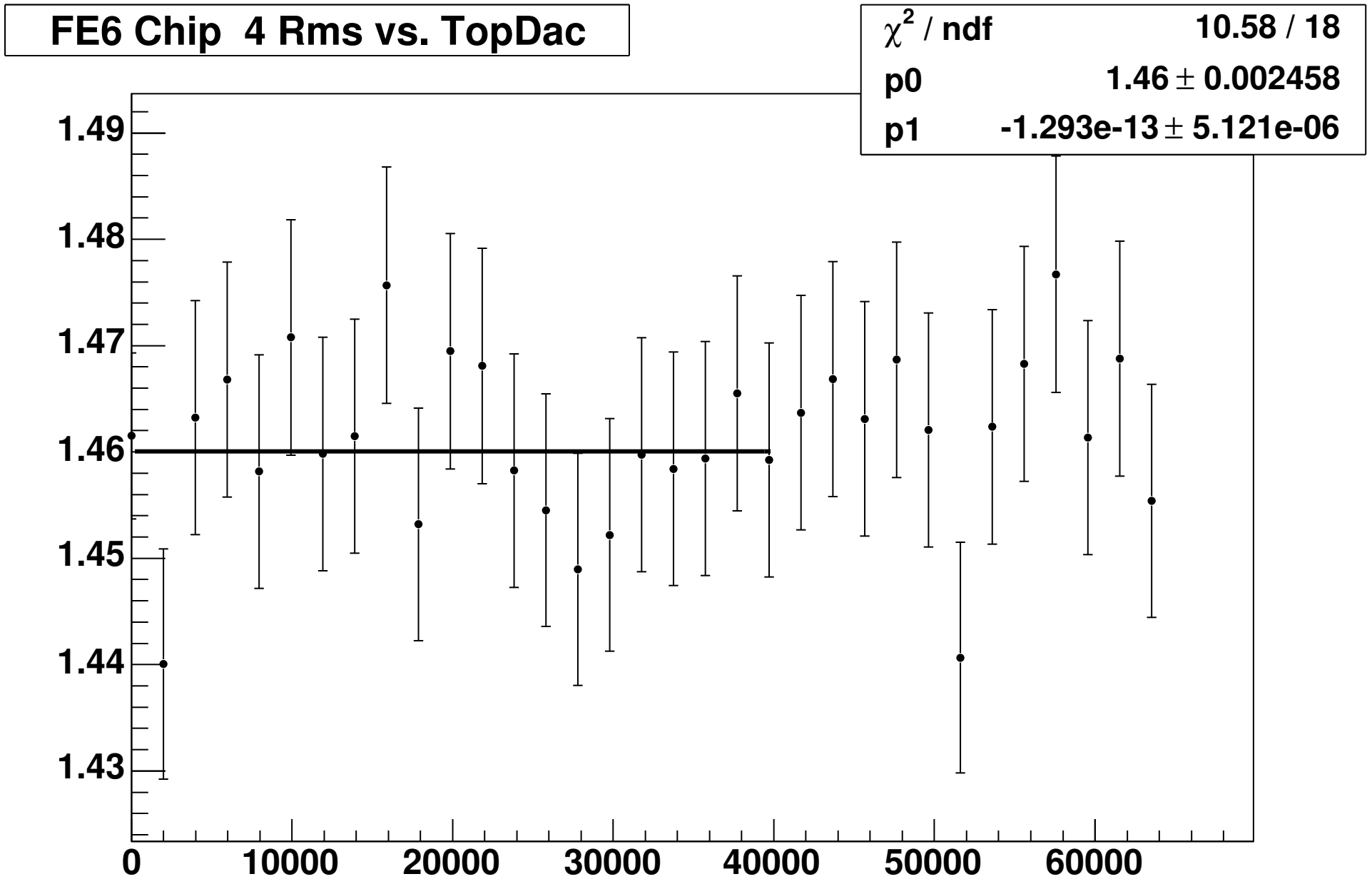
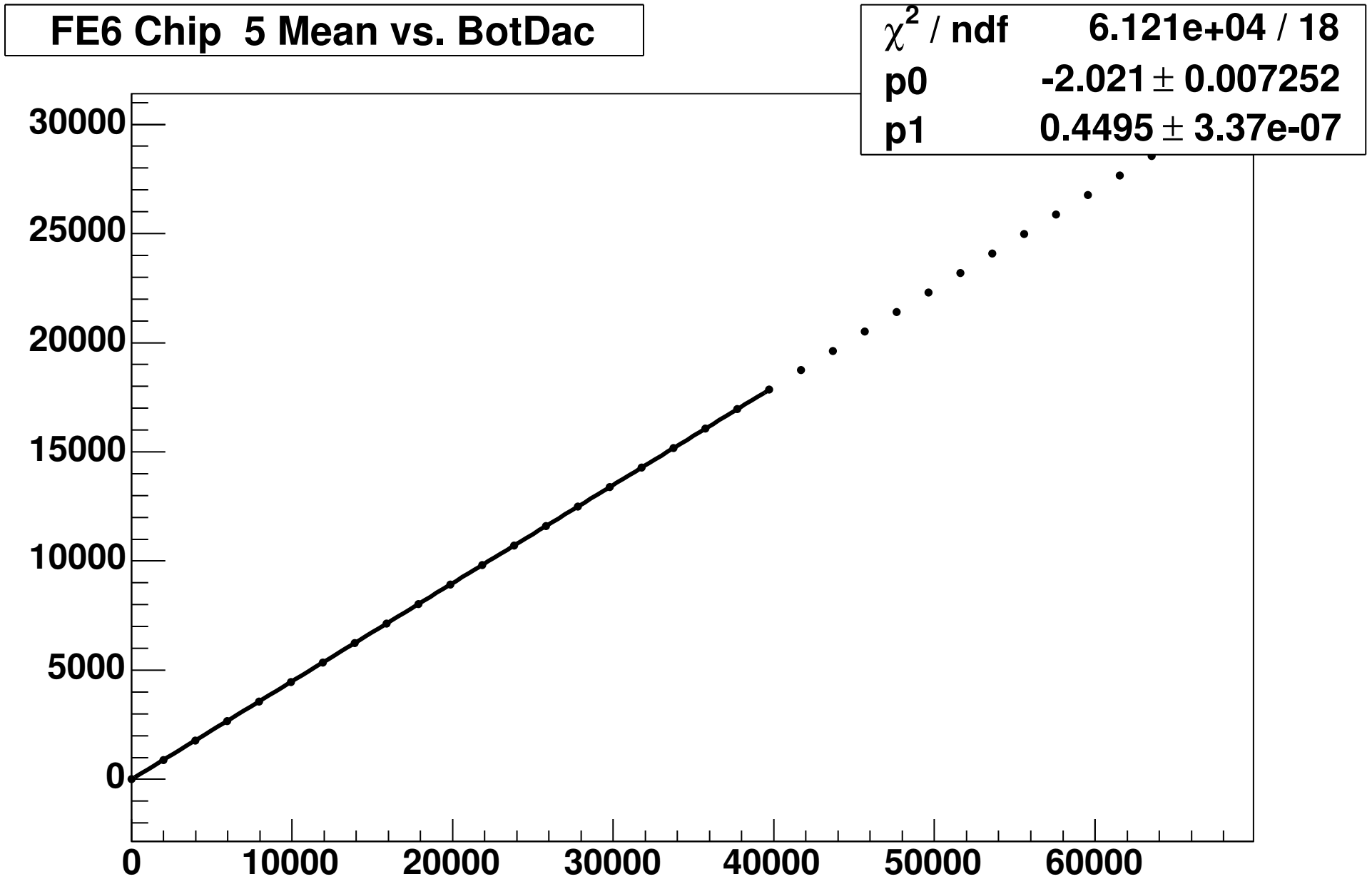
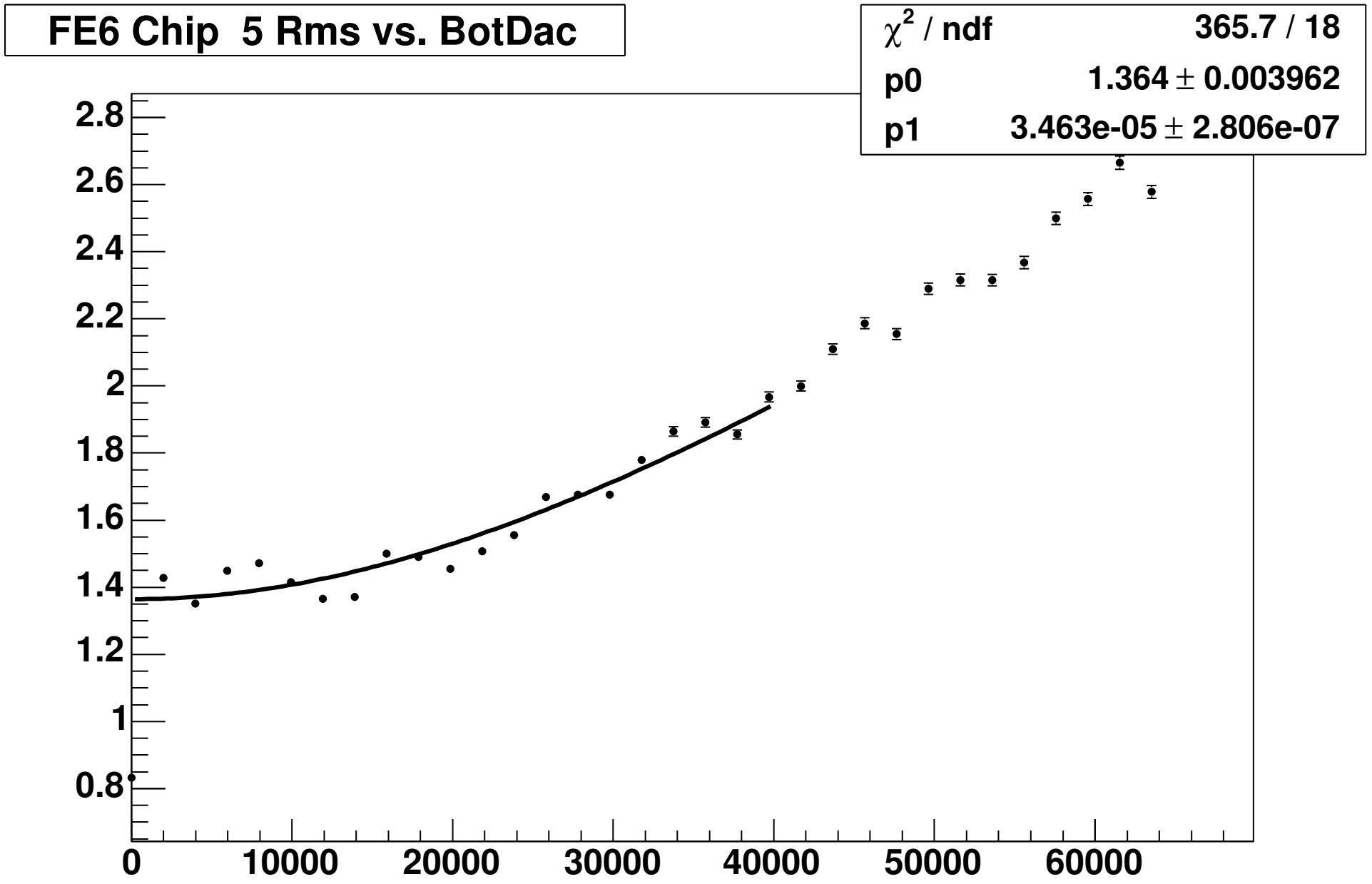
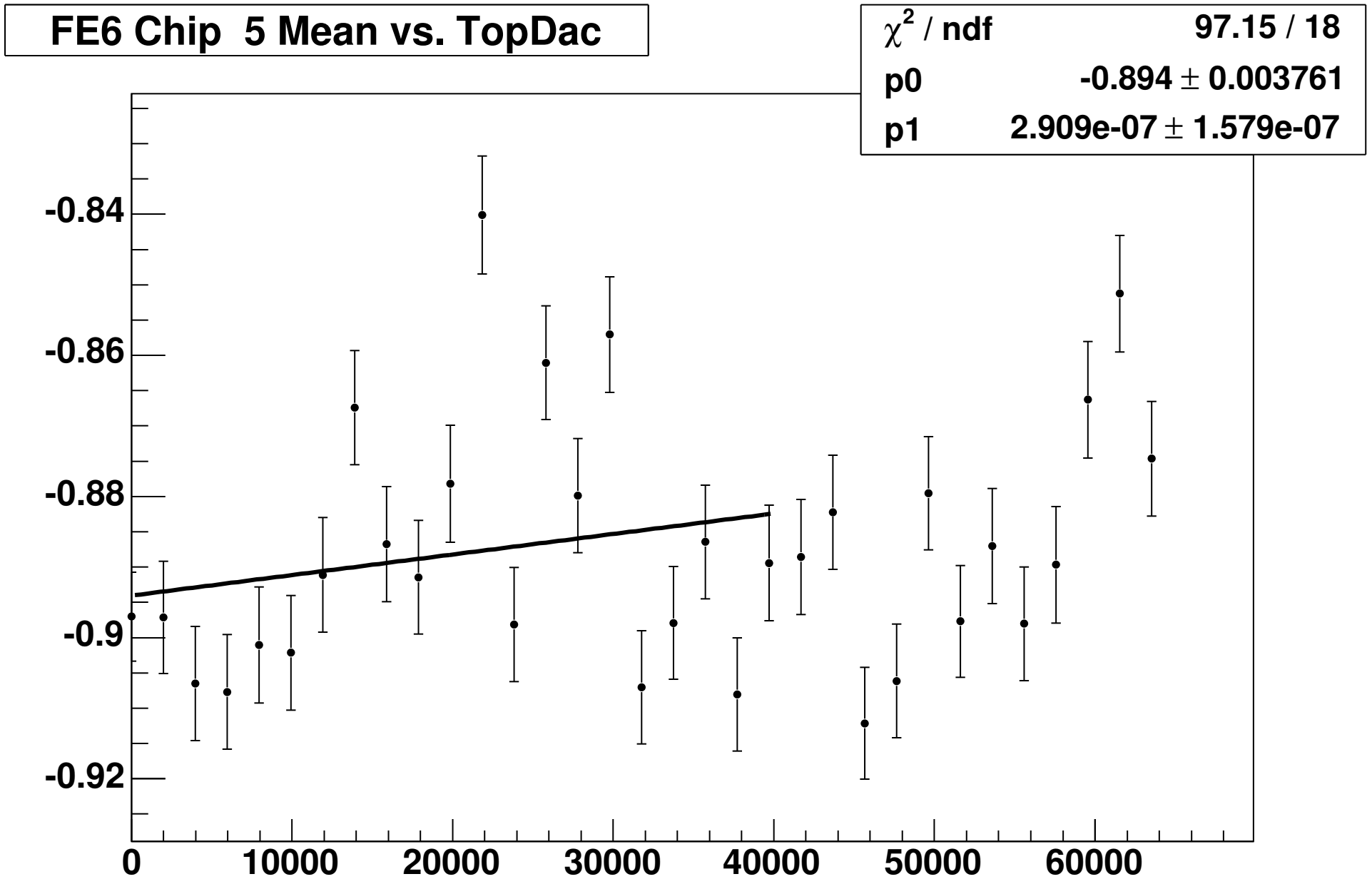
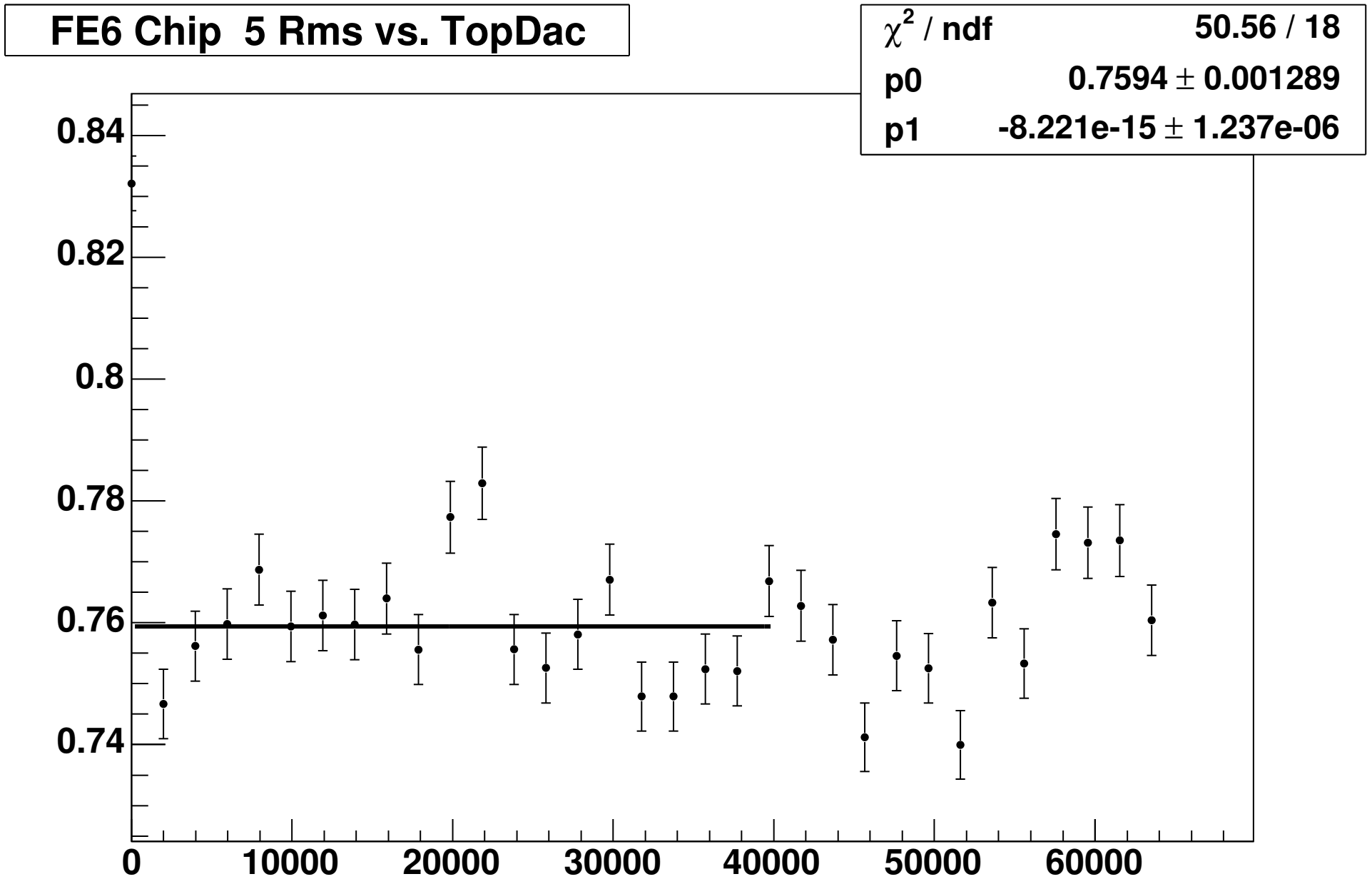
40000
50000
60000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 10.58 / 18
p0 1.46 ± 0.002458
p1 -1.293e-13 ± 5.121e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 6.121e+04 / 18
p0 -2.021 ± 0.007252
p1 0.4495 ± 3.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 365.7 / 18
p0 1.364 ± 0.003962
p1 3.463e-05 ± 2.806e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 97.15 / 18
p0 -0.894 ± 0.003761
p1 2.909e-07 ± 1.579e-07
-0.84
-0.86
-0.88
-0.9
-0.92
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. TopDac
χ^2 / ndf 50.56 / 18
p0 0.7594 ± 0.001289
p1 -8.221e-15 ± 1.237e-06
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0.82
0.8
0.78
0.76
0.74
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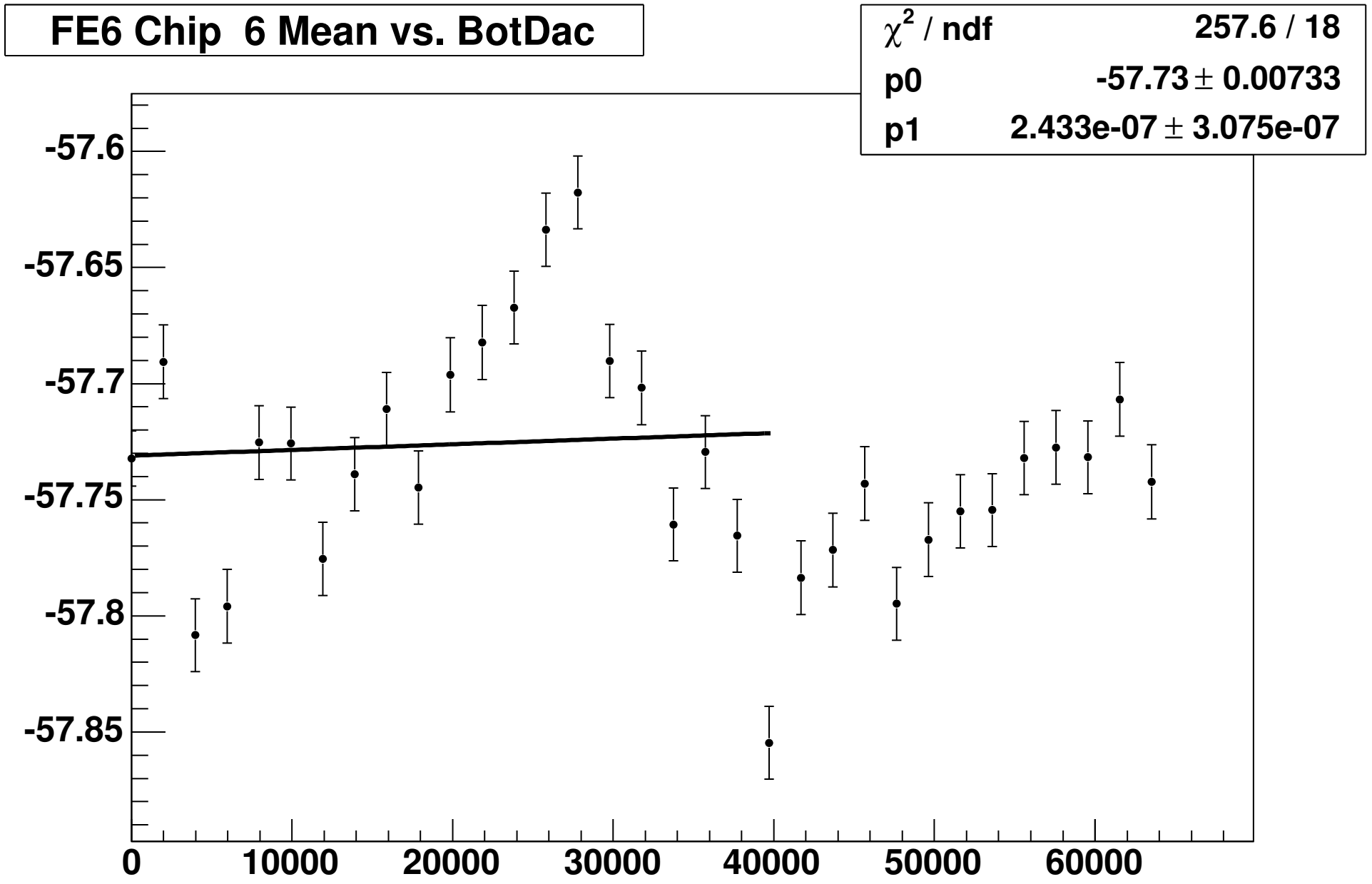
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 257.6 / 18
p0 -57.73 ± 0.00733
p1 2.433e-07 ± 3.075e-07
-57.6
-57.65
-57.7
-57.75
-57.8
-57.85
0
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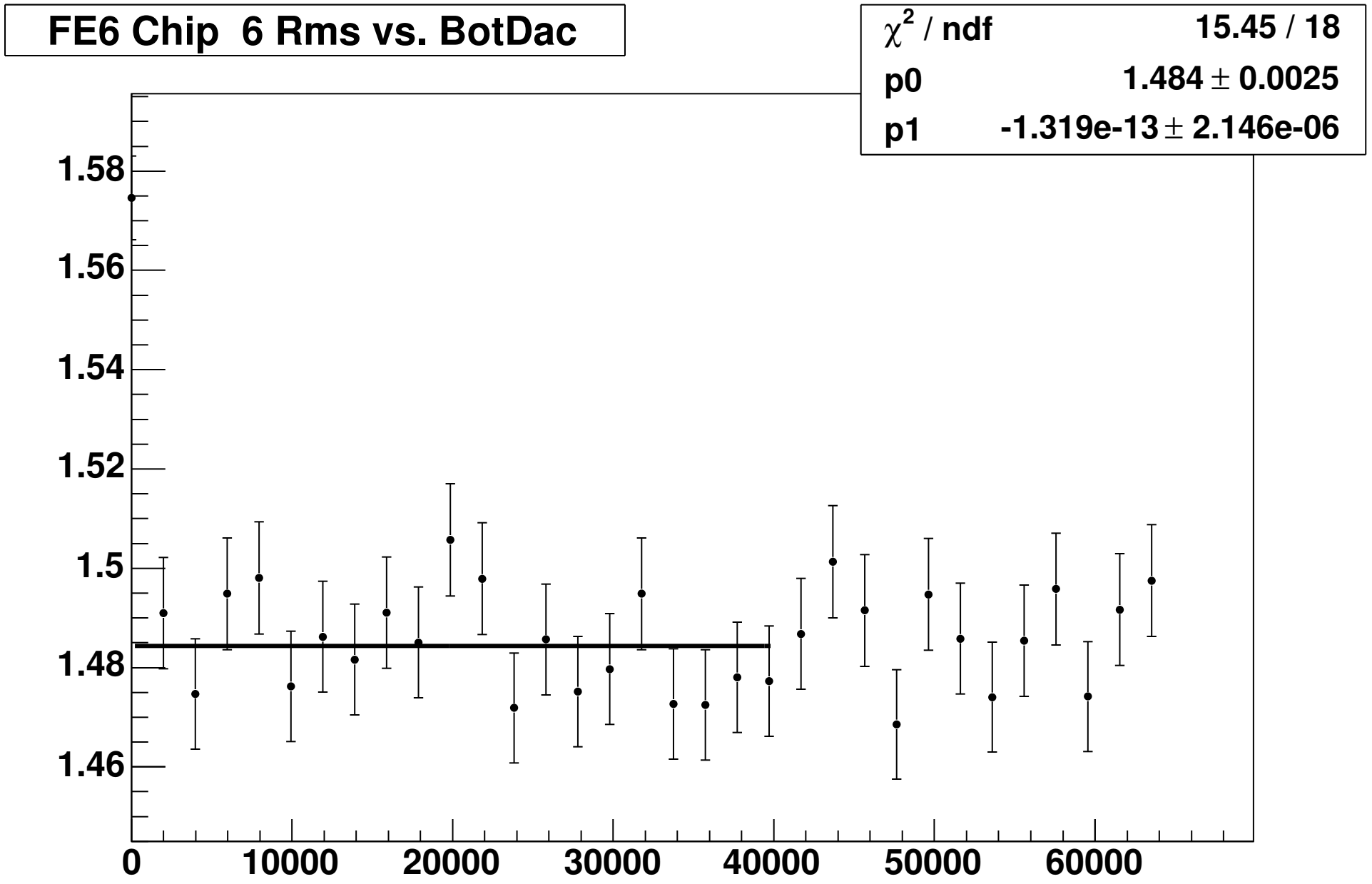
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 15.45 / 18
p0 1.484 ± 0.0025
p1 -1.319e-13 ± 2.146e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
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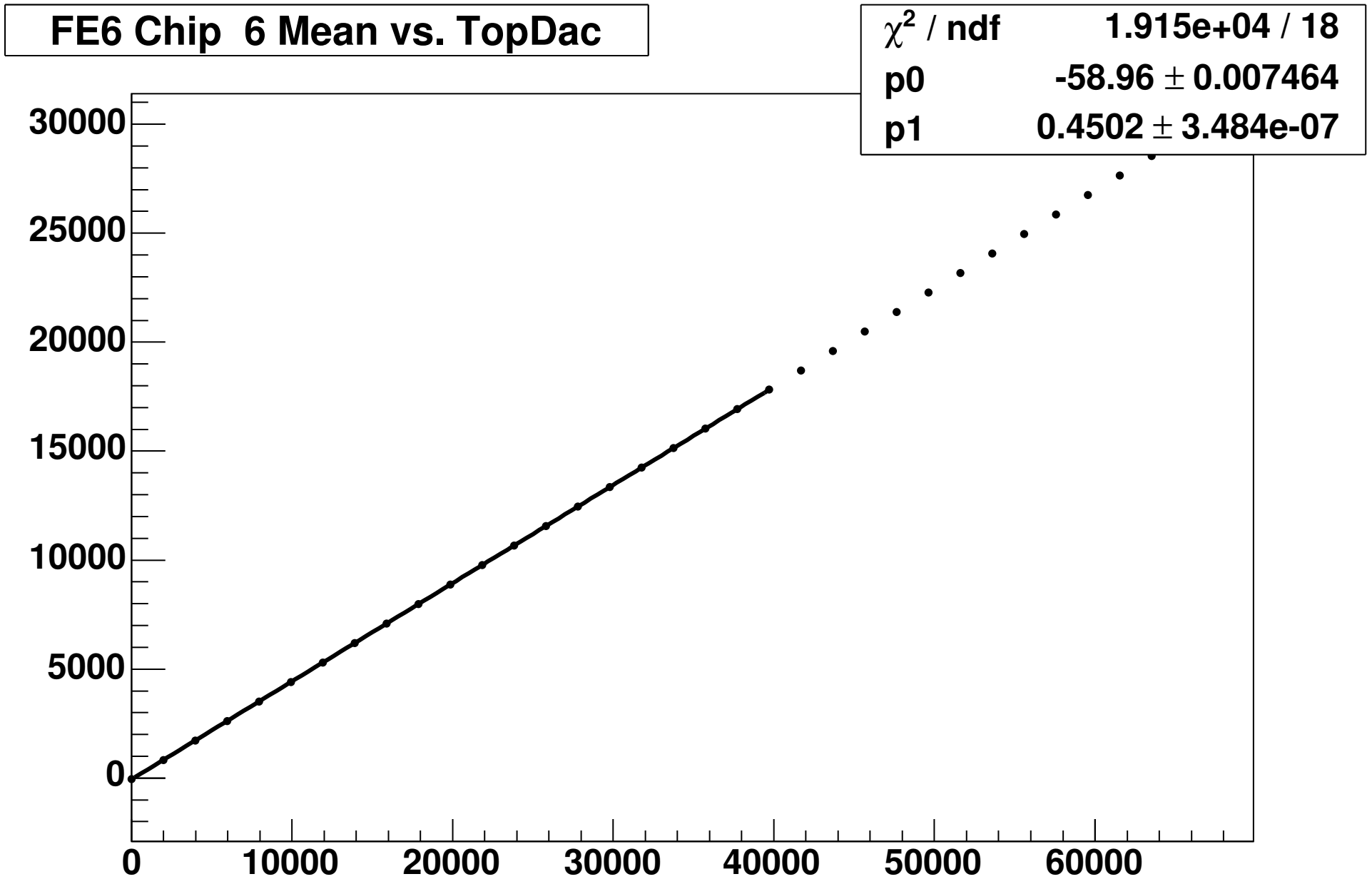
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.915e+04 / 18
p0 -58.96 ± 0.007464
p1 0.4502 ± 3.484e-07
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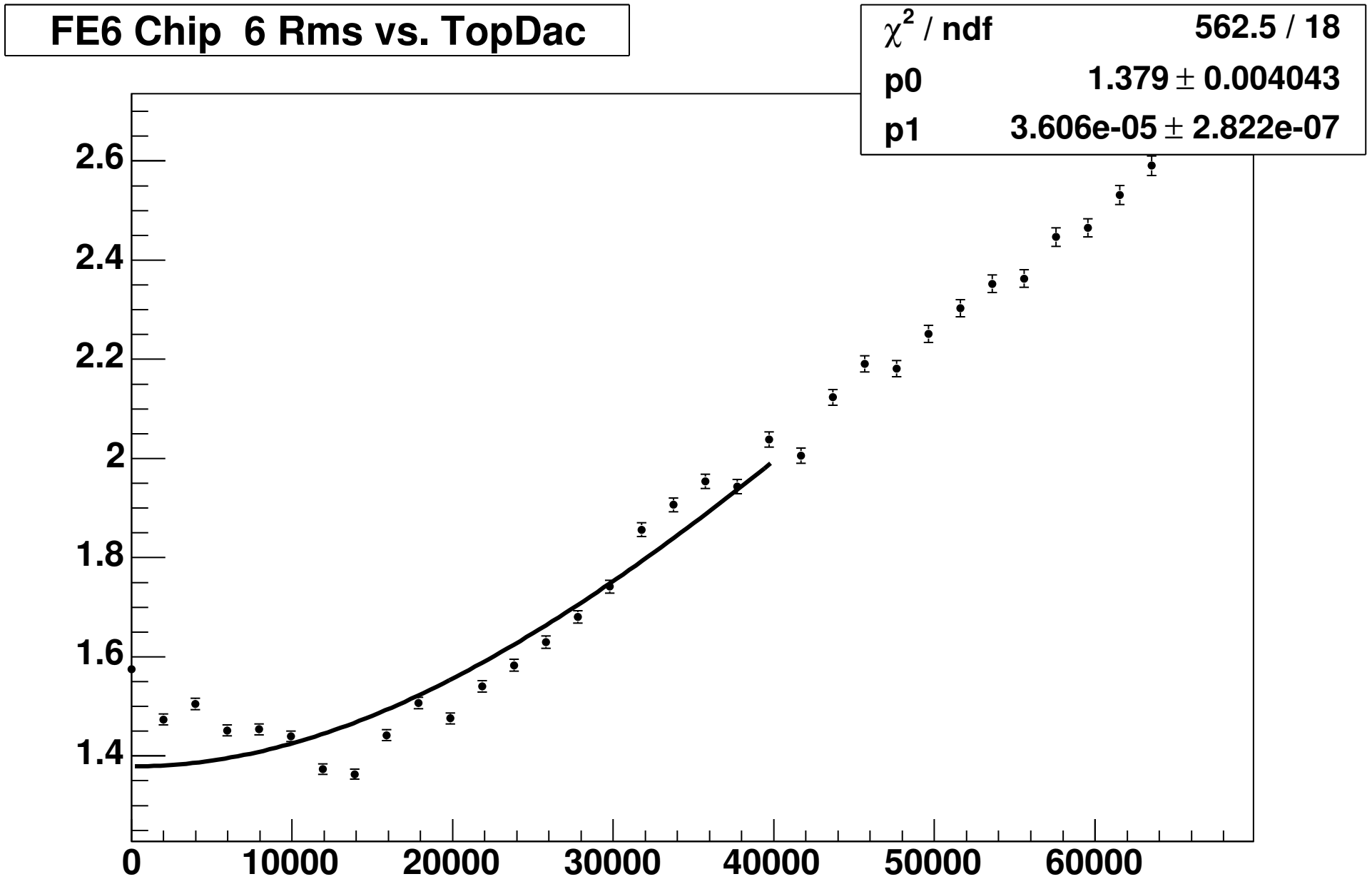
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 562.5 / 18
p0 1.379 ± 0.004043
p1 3.606e-05 ± 2.822e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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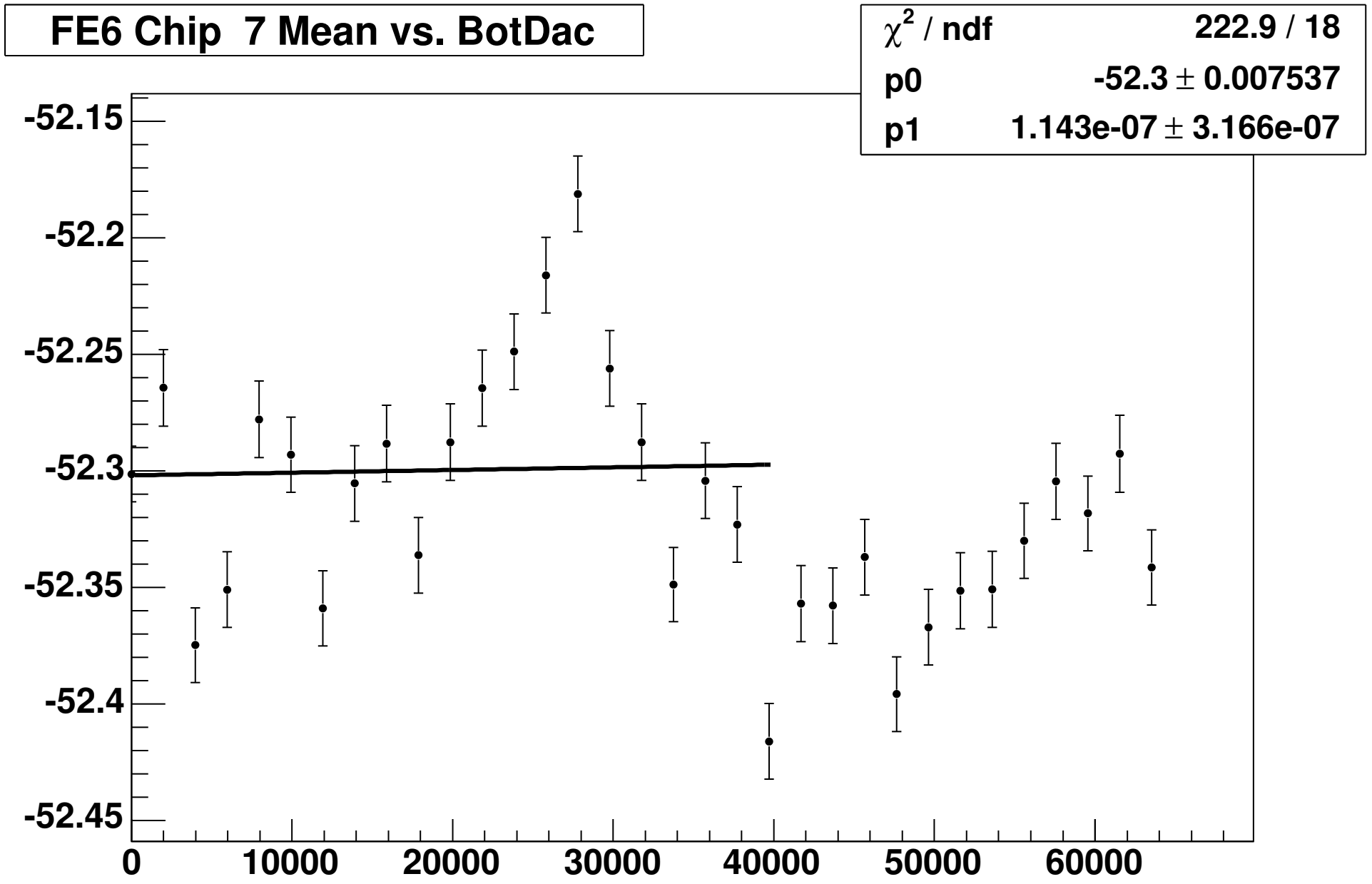
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 222.9 / 18
p0 -52.3 ± 0.007537
p1 1.143e-07 ± 3.166e-07
-52.15
-52.2
-52.25
-52.3
-52.35
-52.4
-52.45
0
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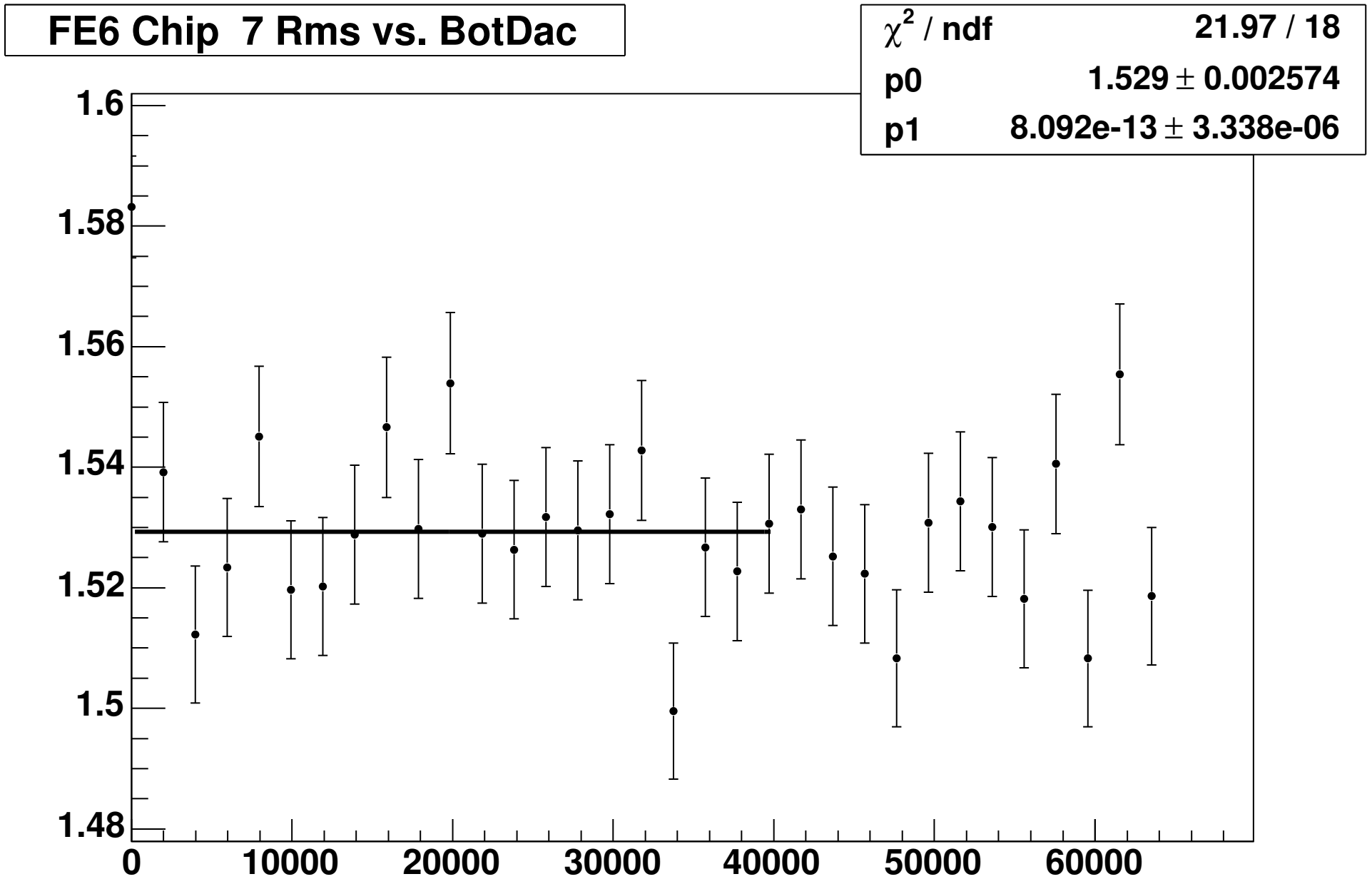
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 21.97 / 18
p0 1.529 ± 0.002574
p1 8.092e-13 ± 3.338e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
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10000
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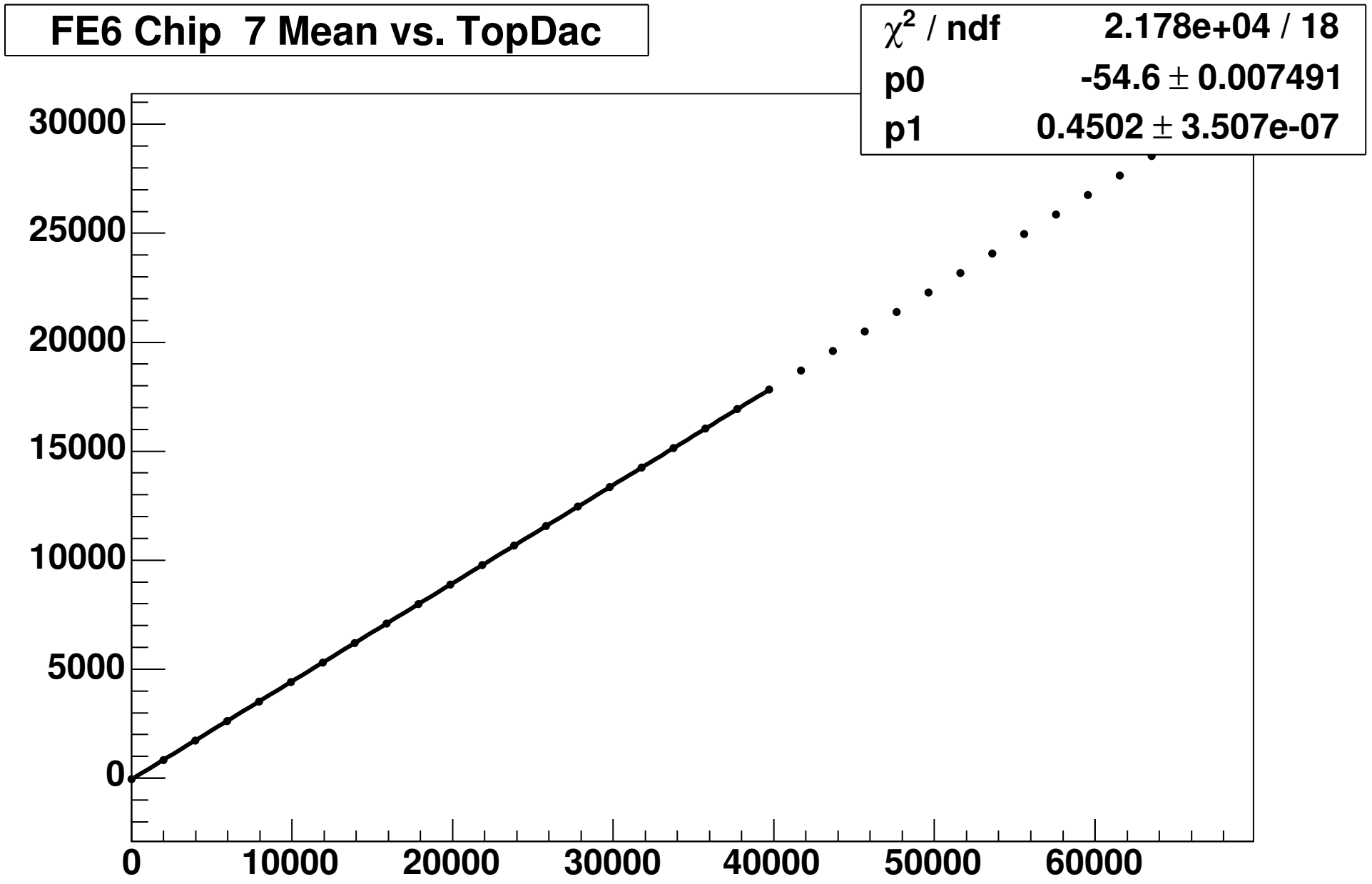
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 2.178e+04 / 18
p0 -54.6 ± 0.007491
p1 0.4502 ± 3.507e-07
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5000
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0
10000
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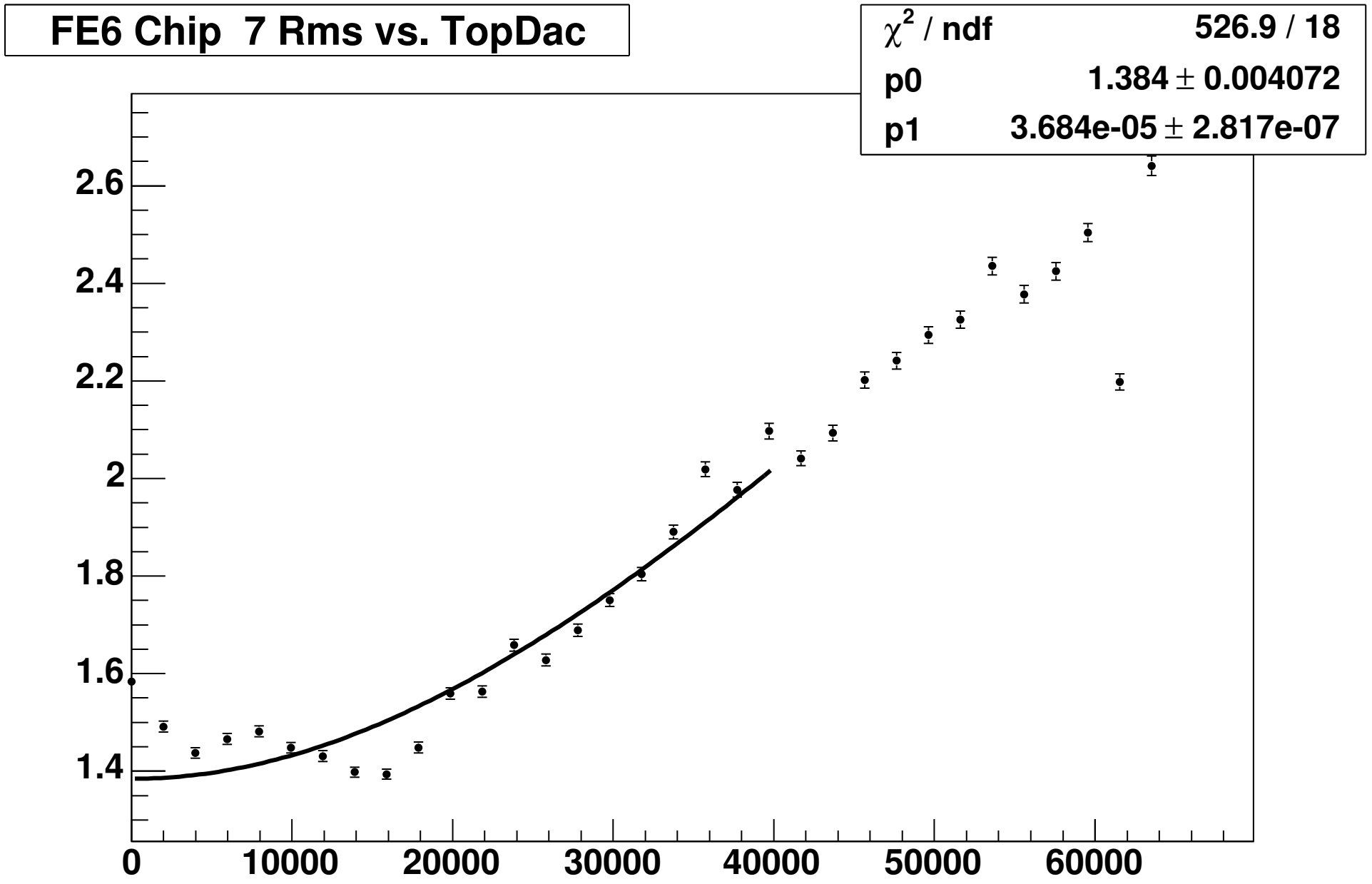
30000
40000
50000
60000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 526.9 / 18
p0 1.384 ± 0.004072
p1 3.684e-05 ± 2.817e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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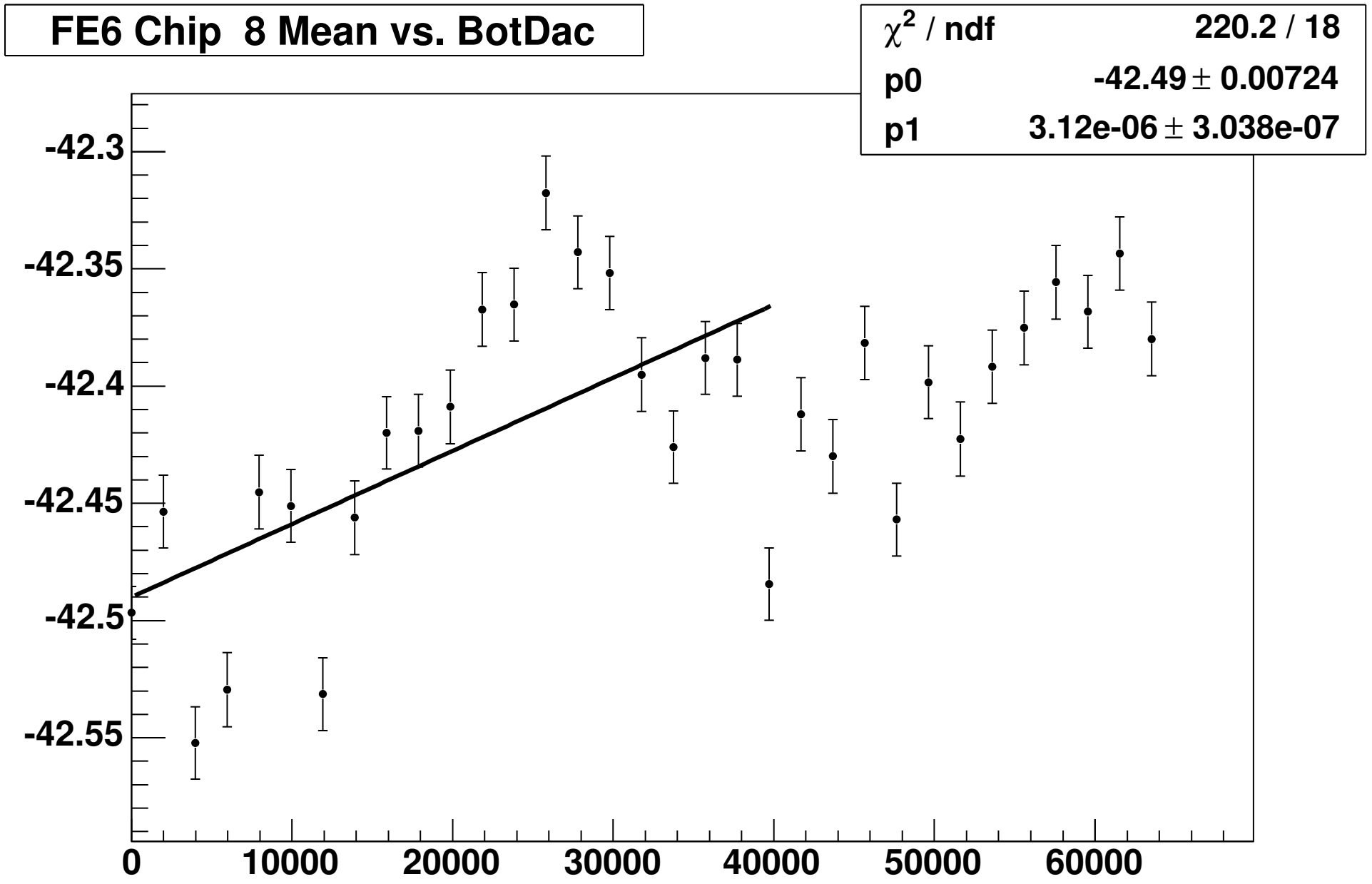
60000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 220.2 / 18
p0 -42.49 ± 0.00724
p1 3.12e-06 ± 3.038e-07
-42.3
-42.35
-42.4
-42.45
-42.5
-42.55
0
10000
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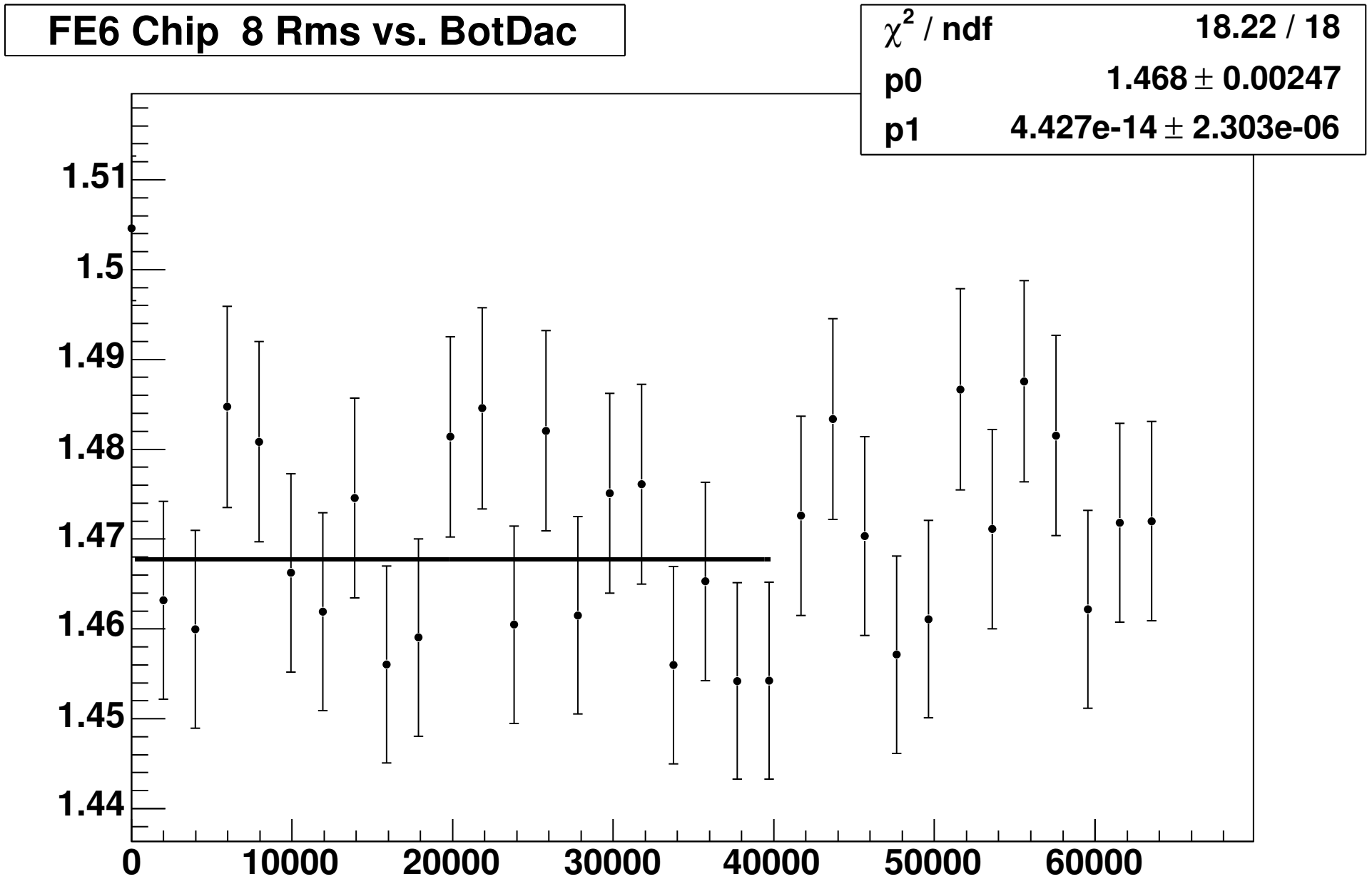
40000
50000
60000


FE6 Chip 8 Rms vs. BotDac
χ^2 / ndf 18.22 / 18
p0 1.468 ± 0.00247
p1 4.427e-14 ± 2.303e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
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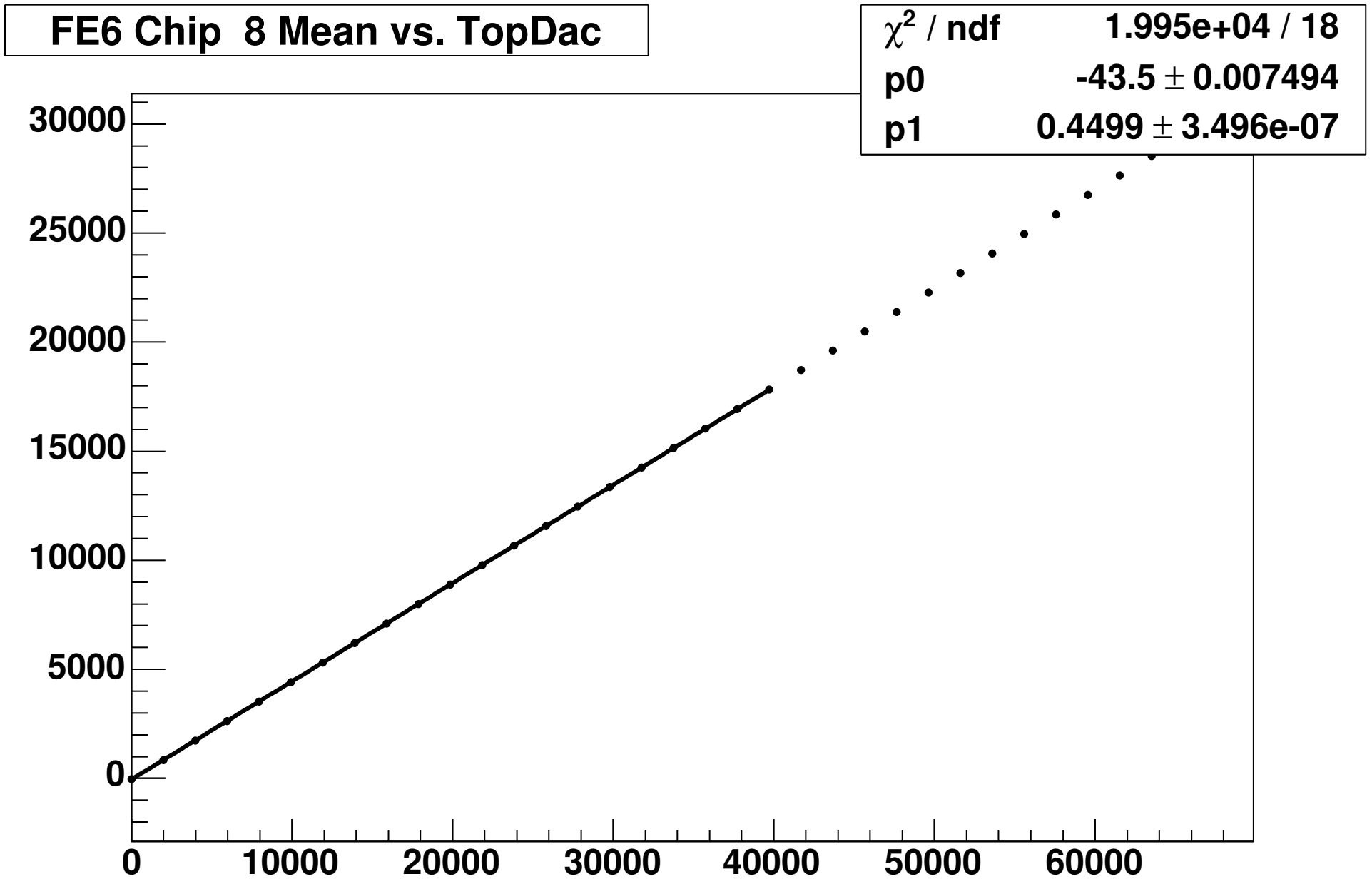
50000
60000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.995e+04 / 18
p0 -43.5 ± 0.007494
p1 0.4499 ± 3.496e-07
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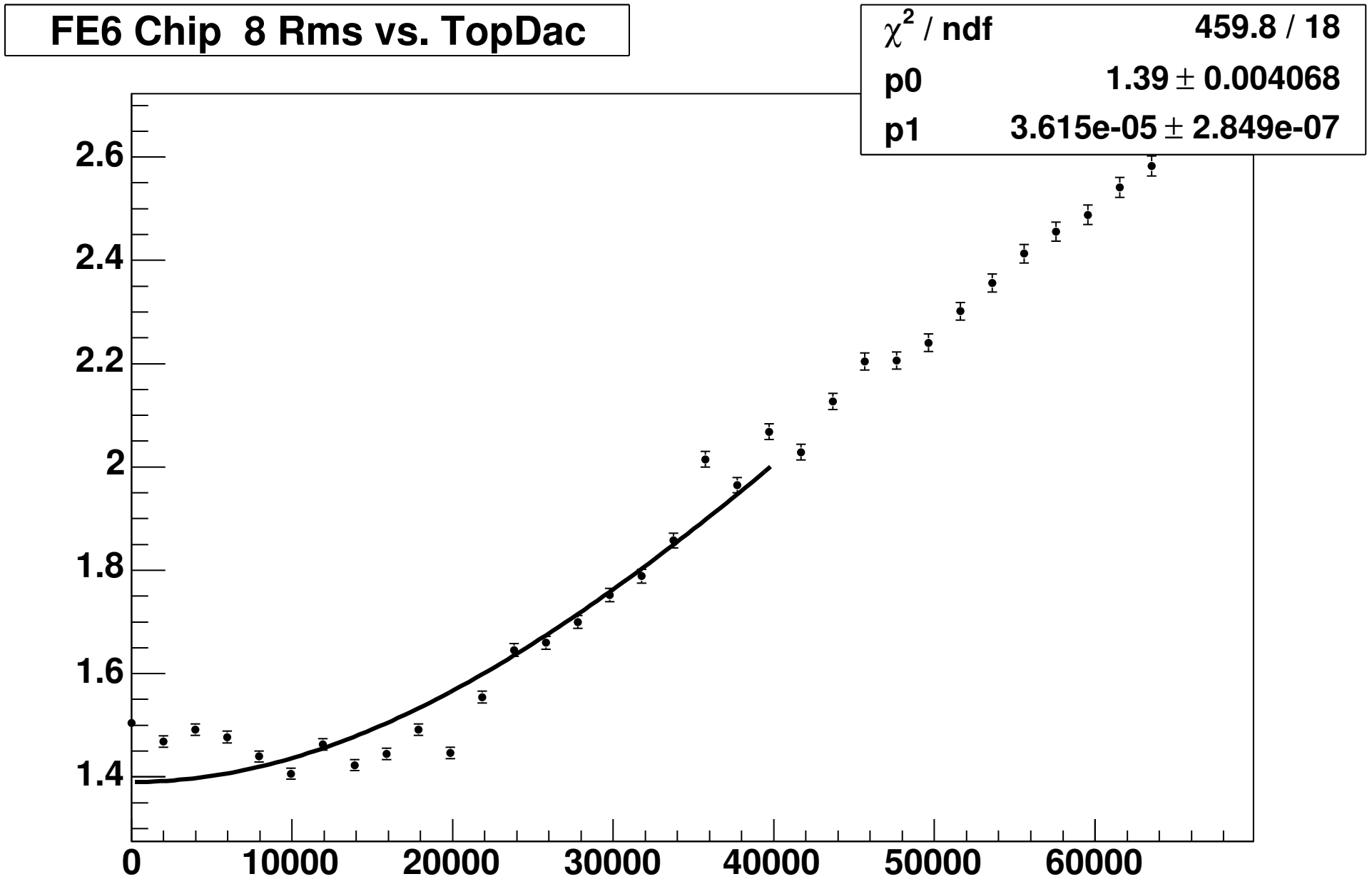
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 459.8 / 18
p0 1.39 ± 0.004068
p1 3.615e-05 ± 2.849e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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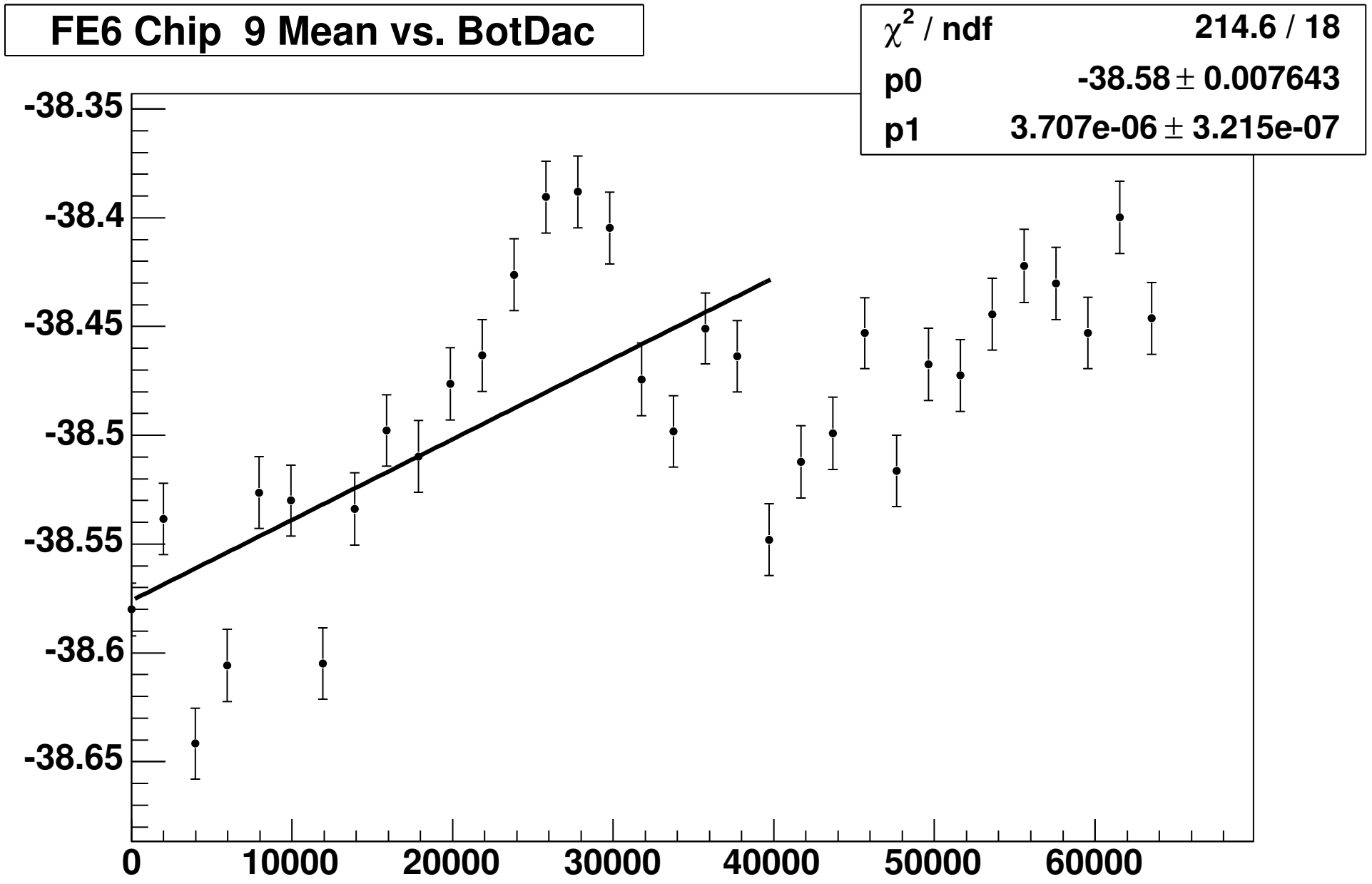
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 214.6 / 18
p0 -38.58 ± 0.007643
p1 3.707e-06 ± 3.215e-07
-38.35
-38.4
-38.45
-38.5
-38.55
-38.6
-38.65
0
10000
20000
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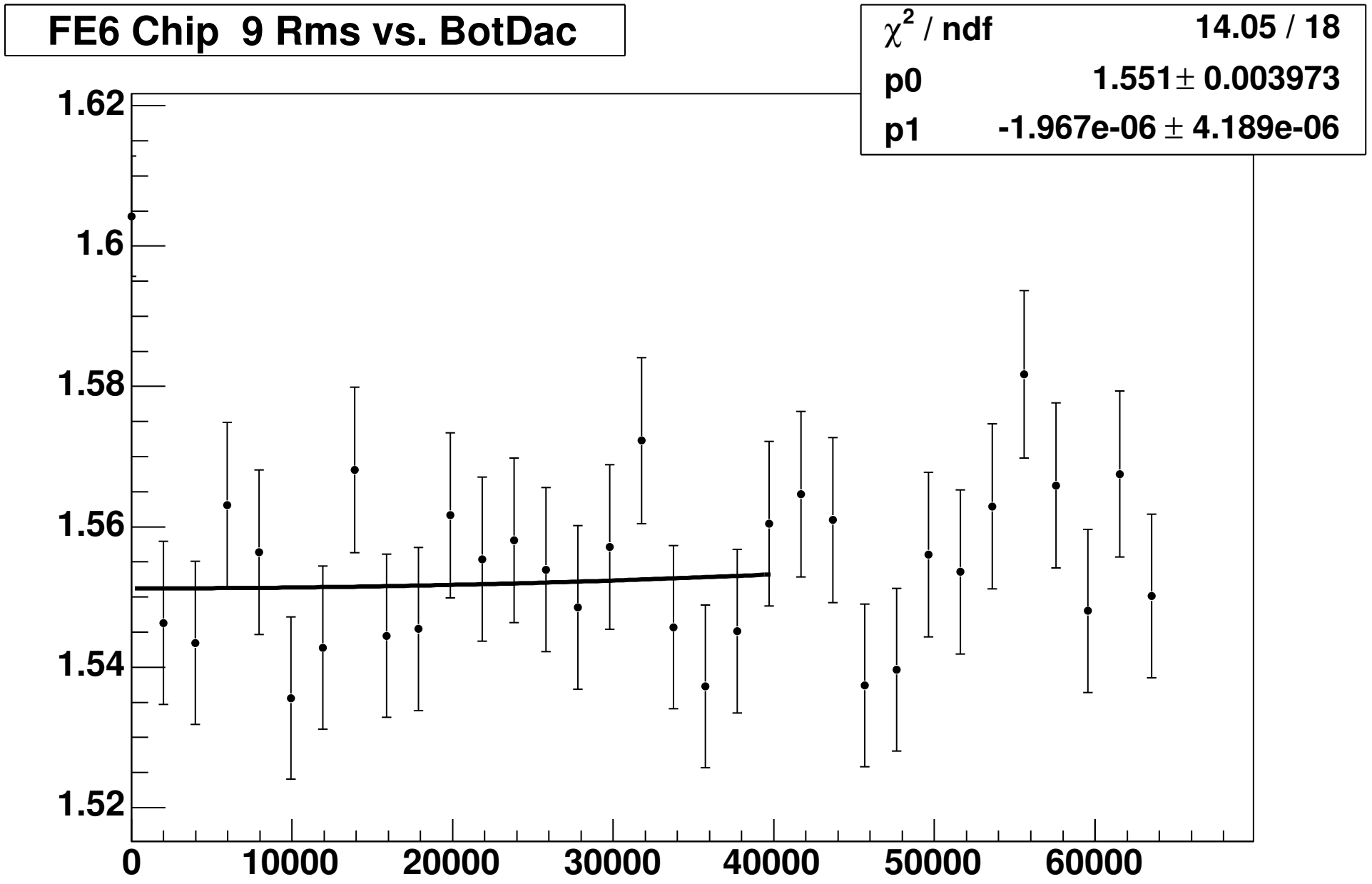
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 14.05 / 18
p0 1.551 ± 0.003973
p1 -1.967e-06 ± 4.189e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
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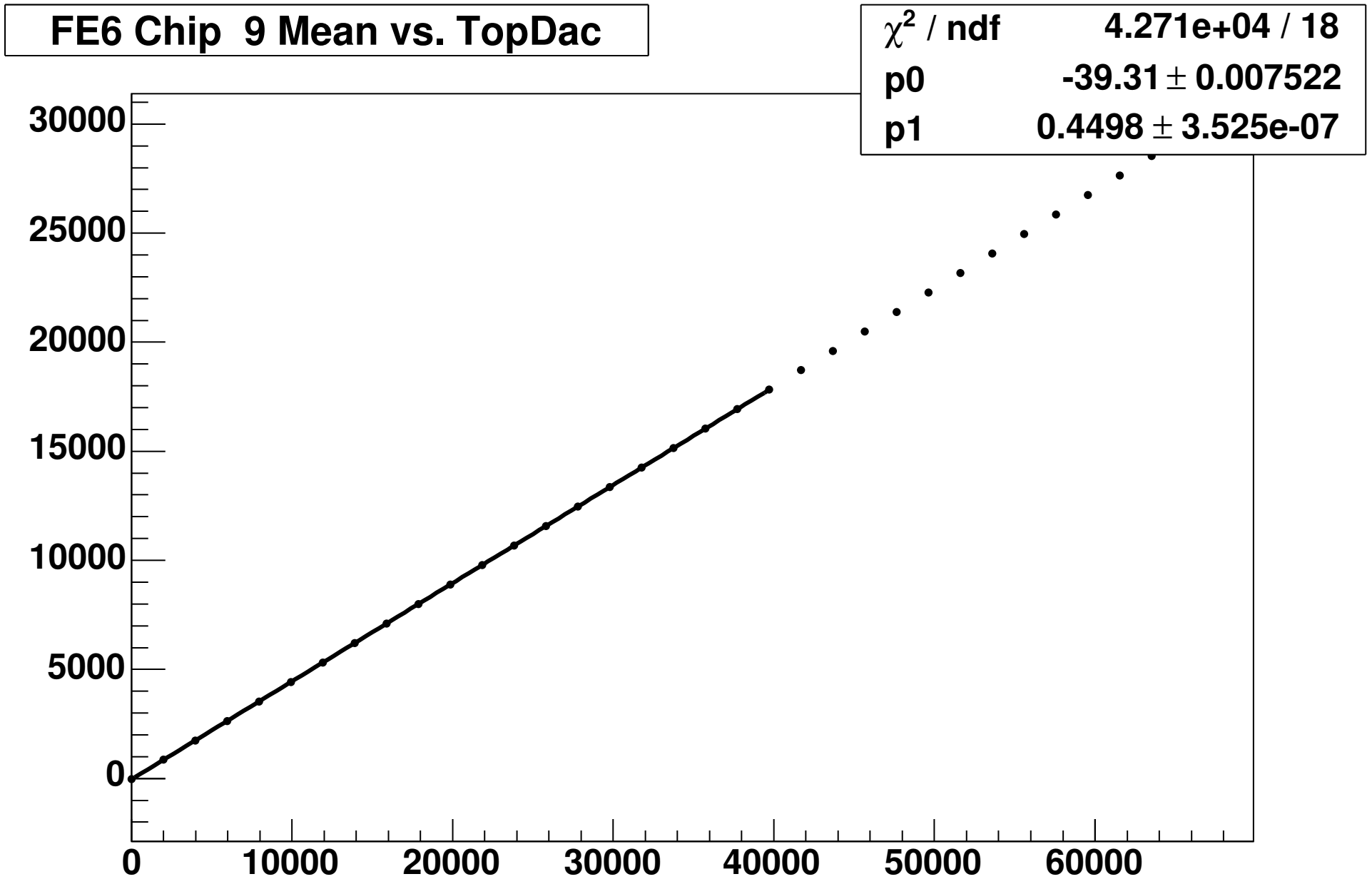
30000
40000
50000
60000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 4.271e+04 / 18
p0 -39.31 ± 0.007522
p1 0.4498 ± 3.525e-07
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10000
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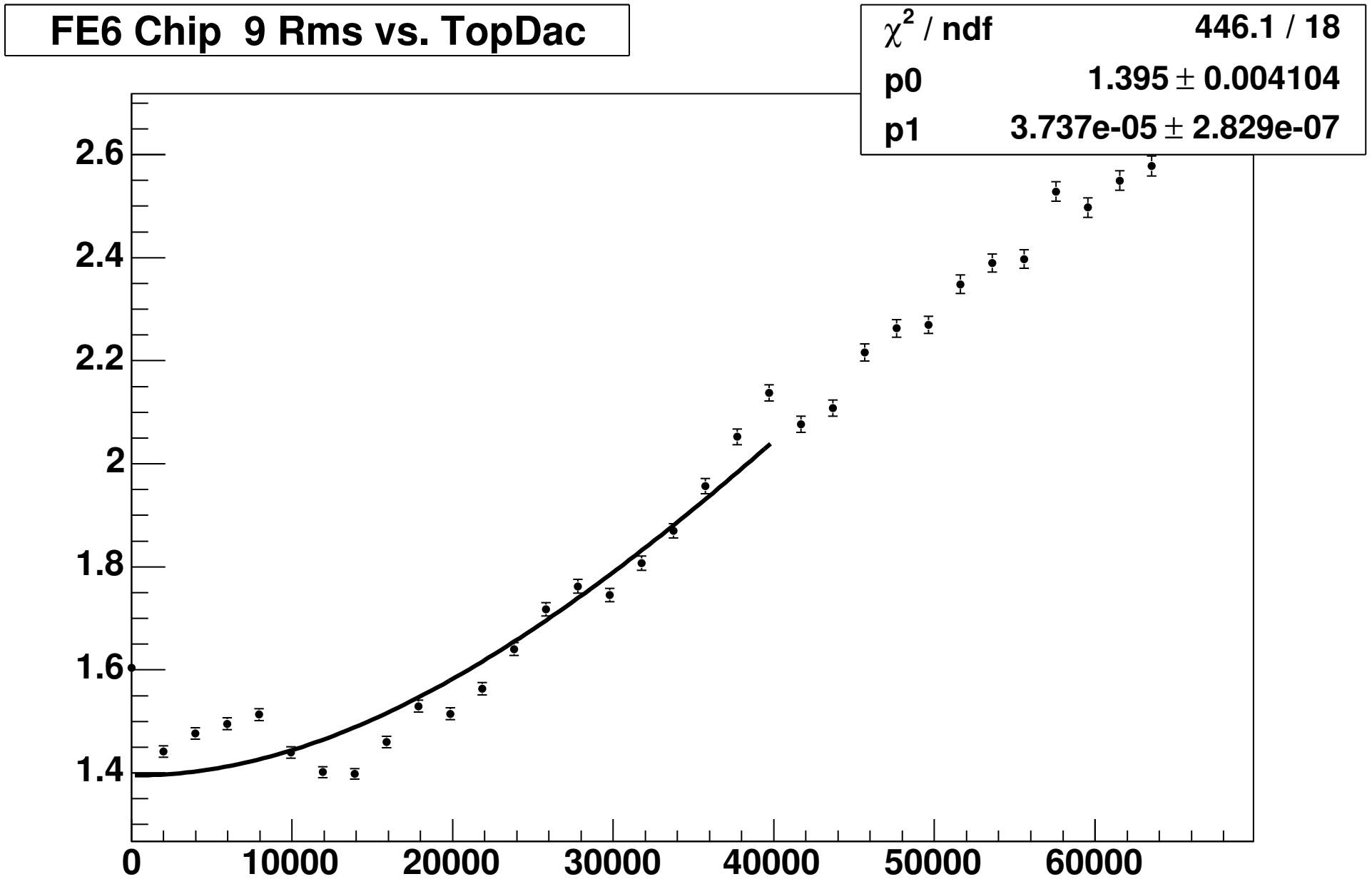
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 446.1 / 18
p0 1.395 ± 0.004104
p1 3.737e-05 ± 2.829e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
50000
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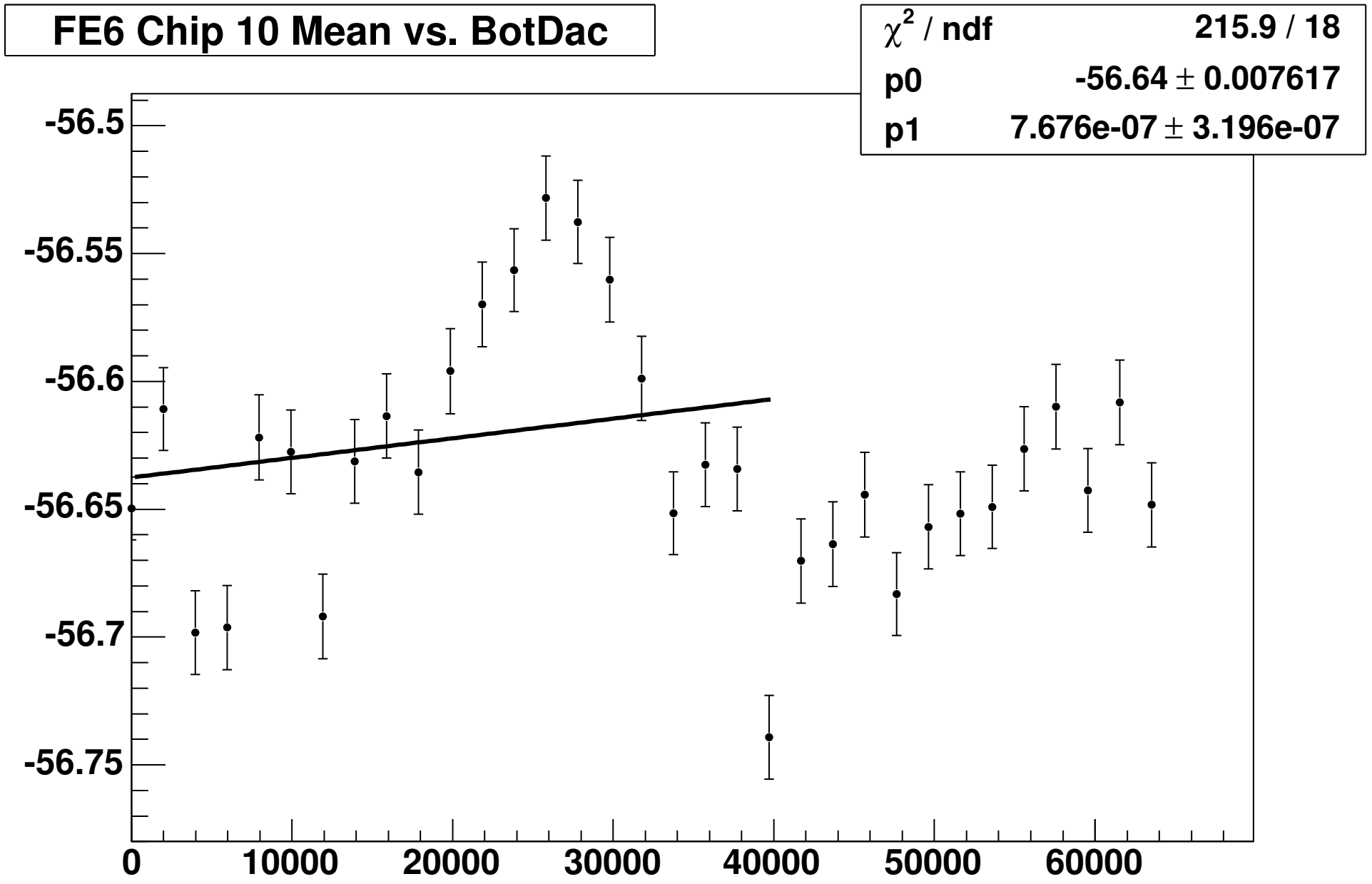
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 215.9 / 18
p0 -56.64 ± 0.007617
p1 7.676e-07 ± 3.196e-07
-56.5
-56.55
-56.6
-56.65
-56.7
-56.75
0
10000
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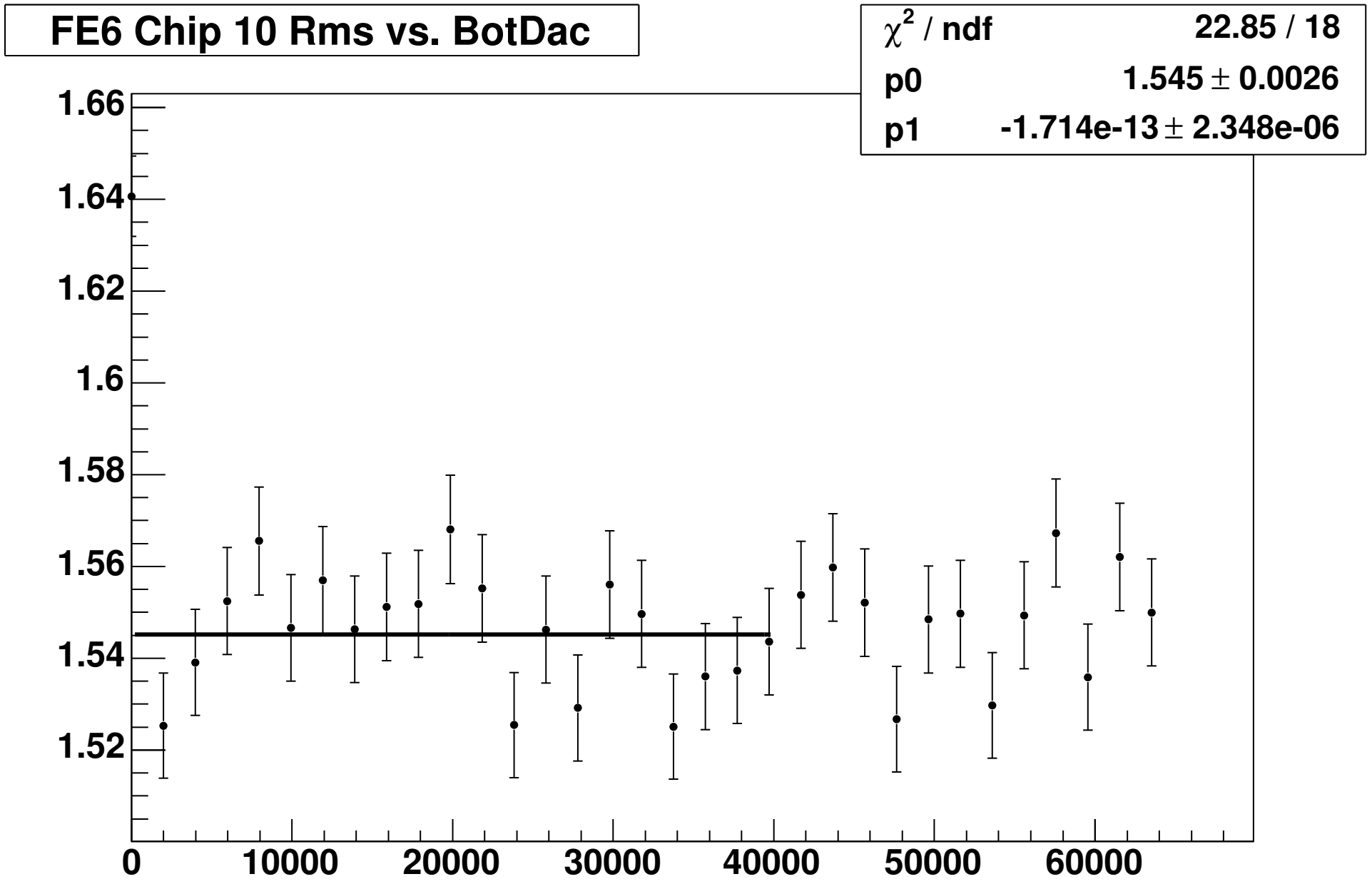
30000
40000
50000
60000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 22.85 / 18
p0 1.545 ± 0.0026
p1 -1.714e-13 ± 2.348e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
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10000
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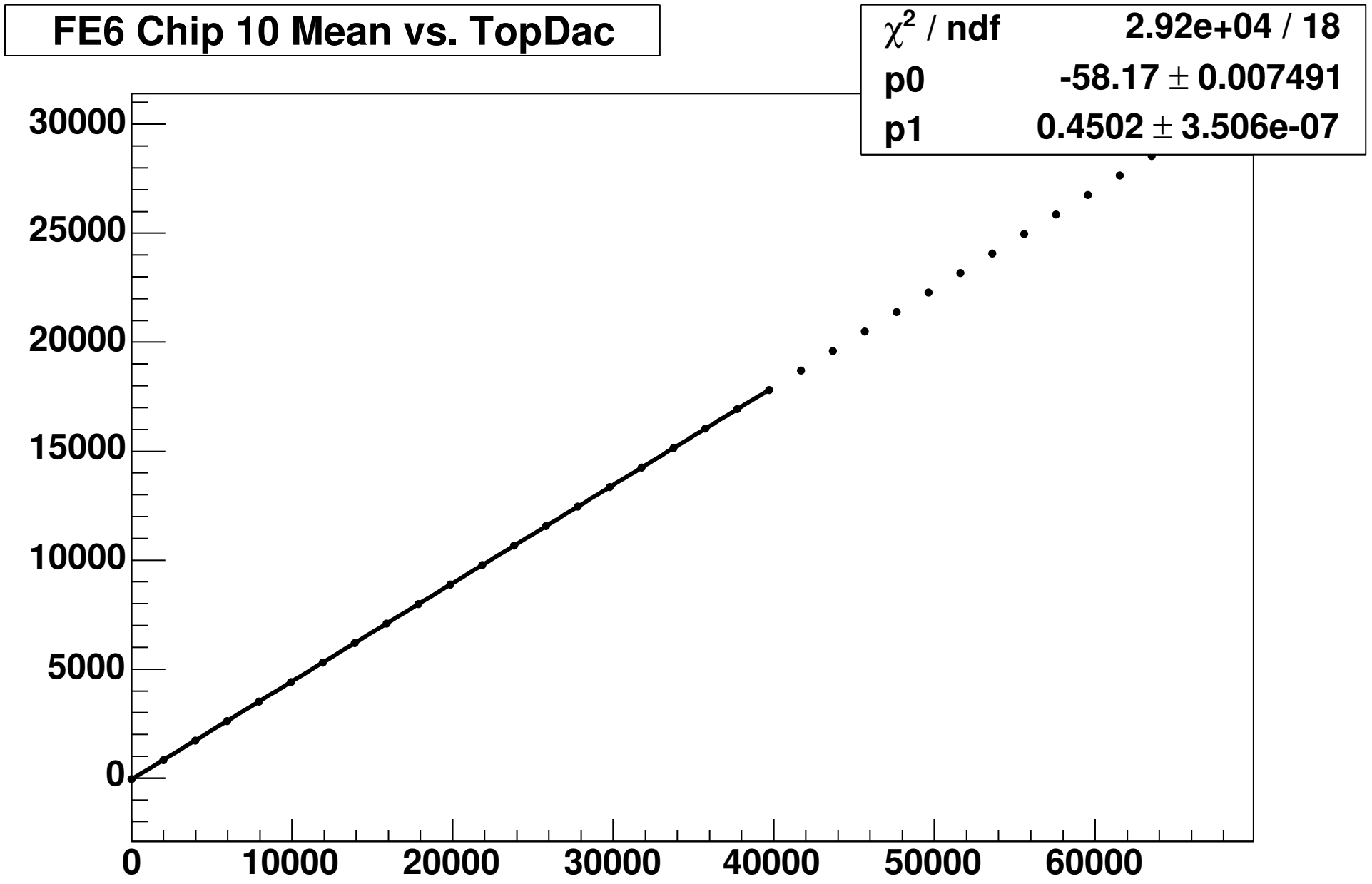
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 2.92e+04 / 18
p0 -58.17 ± 0.007491
p1 0.4502 ± 3.506e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
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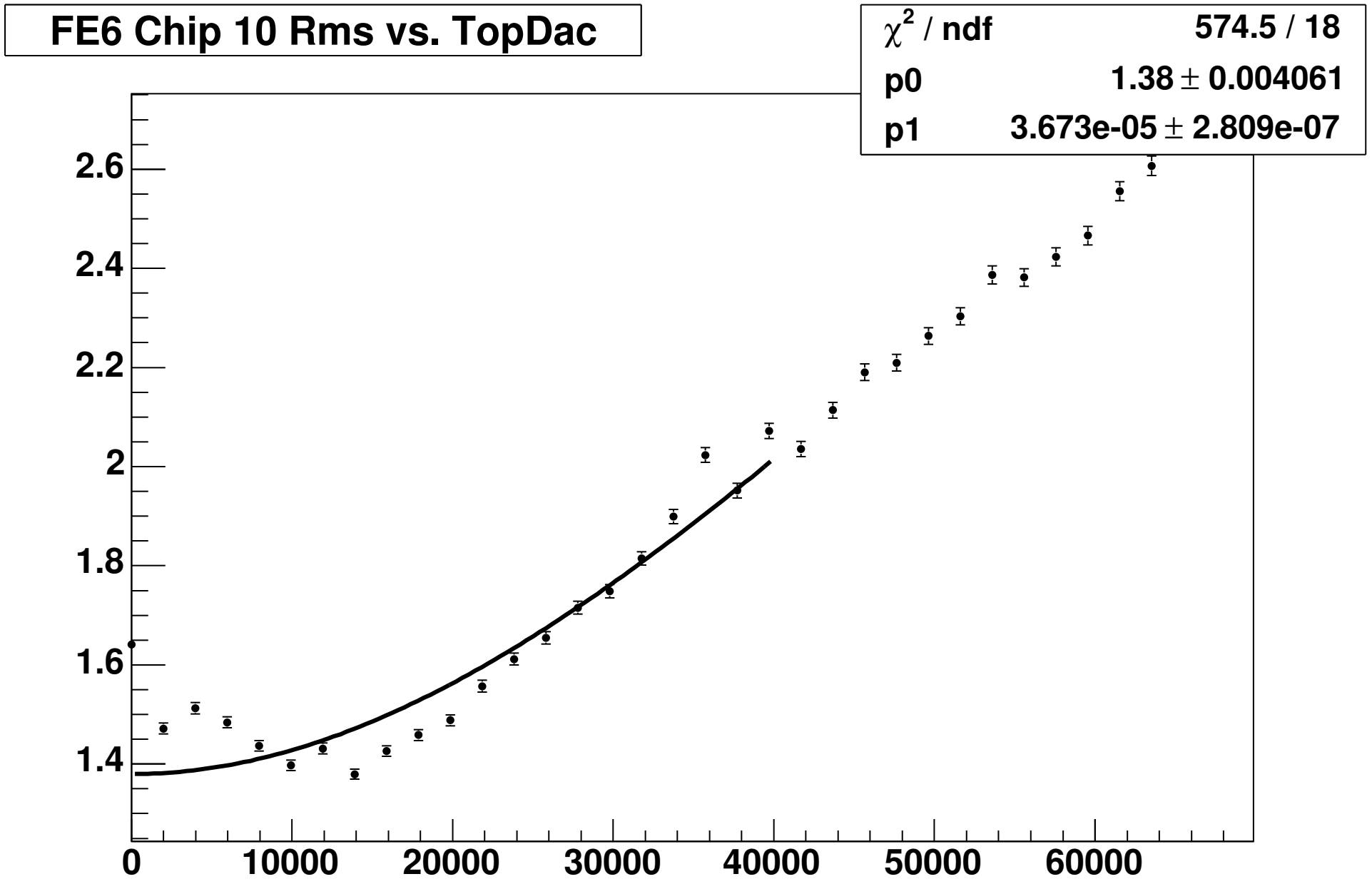
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 574.5 / 18
p0 1.38 ± 0.004061
p1 3.673e-05 ± 2.809e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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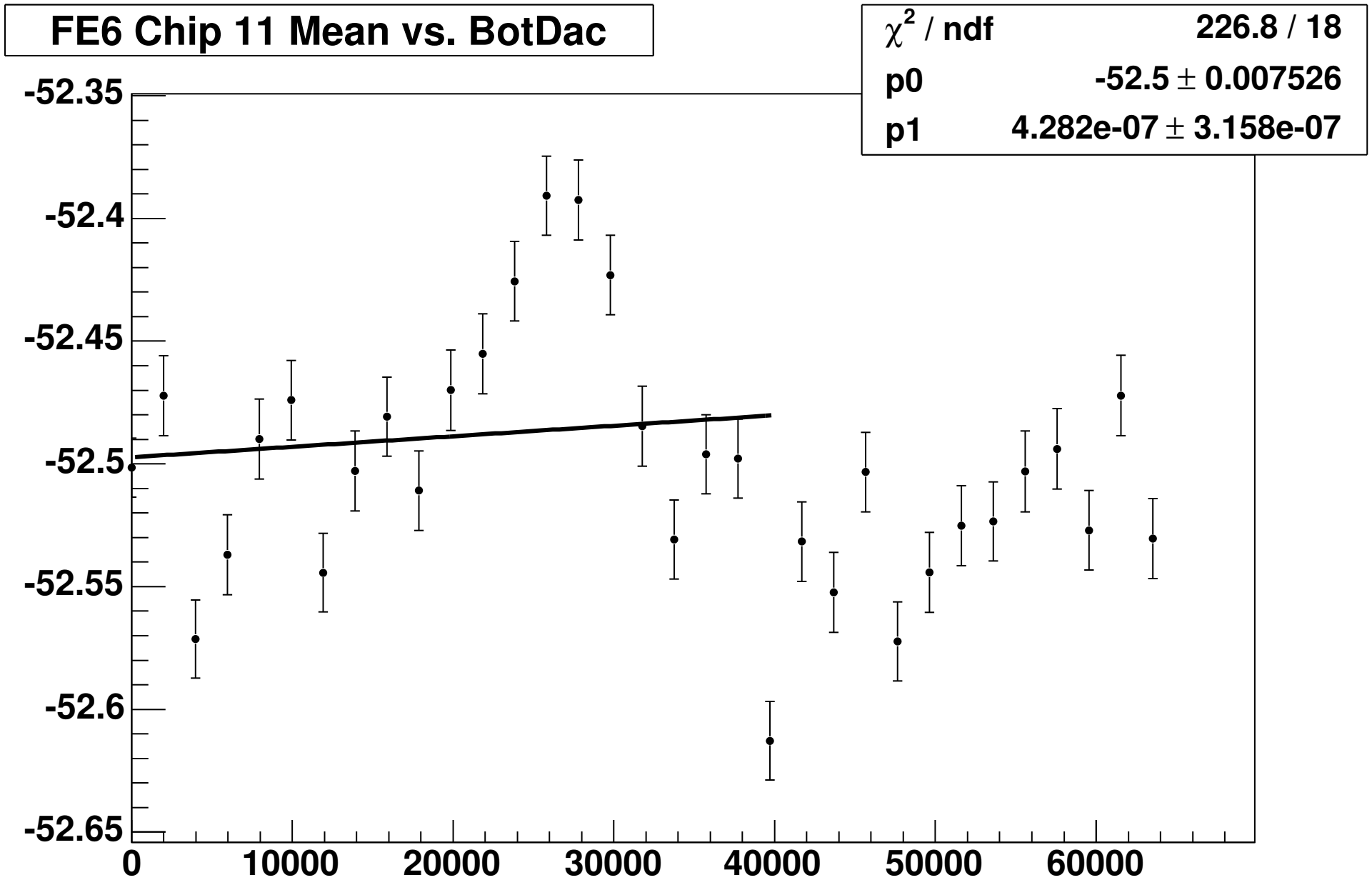
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 226.8 / 18
p0 -52.5 ± 0.007526
p1 4.282e-07 ± 3.158e-07
-52.35
-52.4
-52.45
-52.5
-52.55
-52.6
-52.65
0
10000
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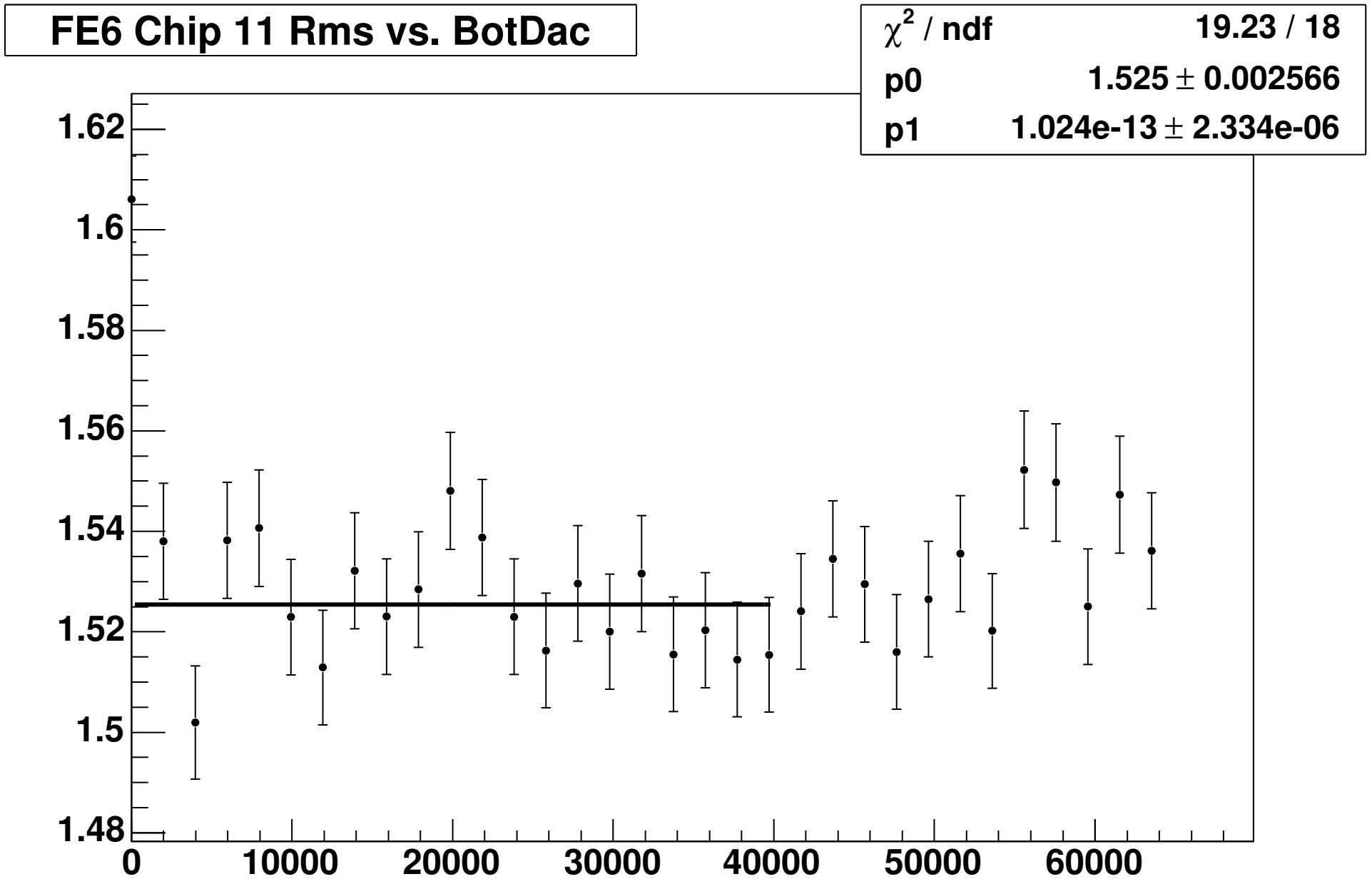
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 19.23 / 18
p0 1.525 ± 0.002566
p1 1.024e-13 ± 2.334e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
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40000
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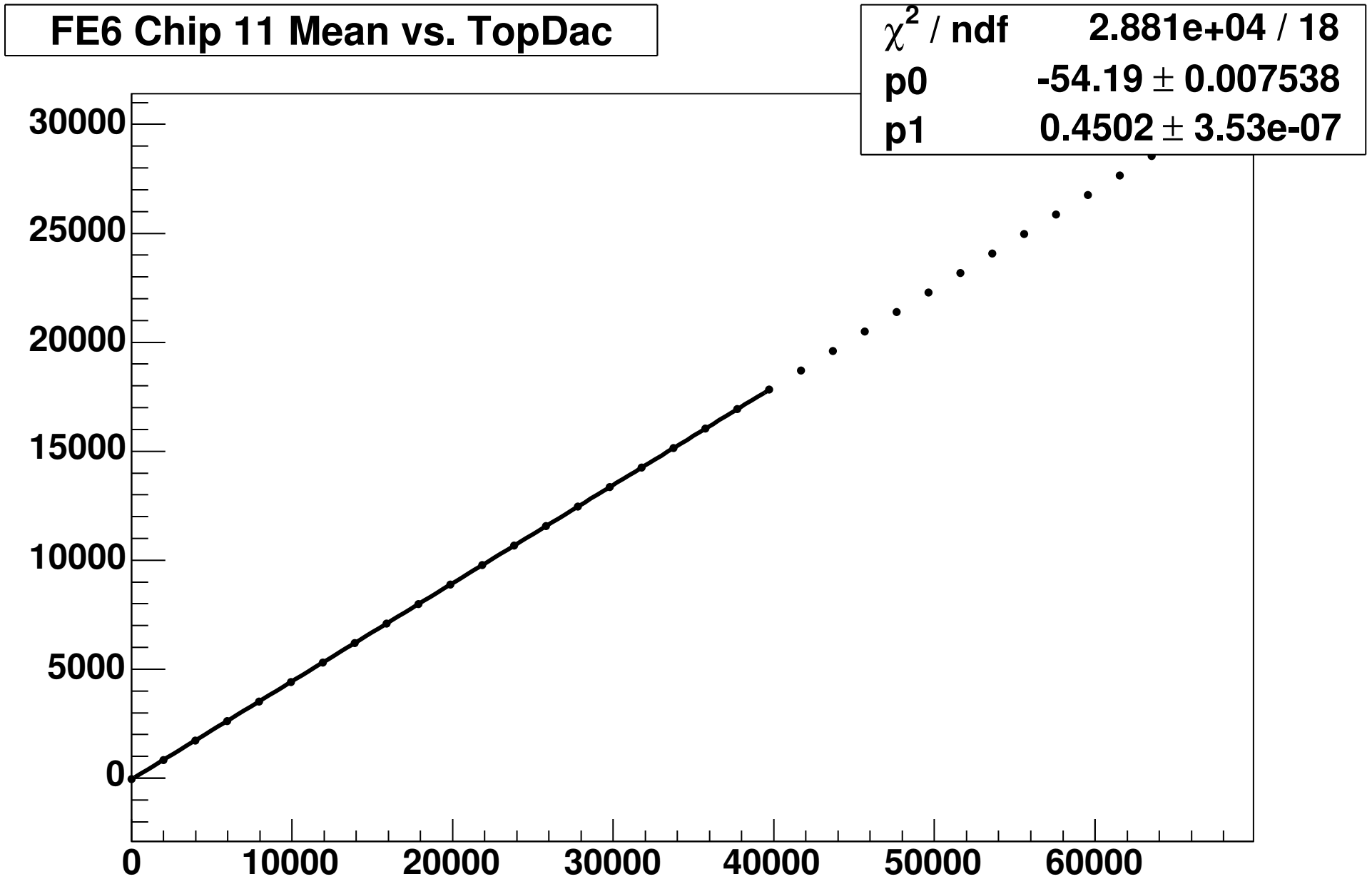
60000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 2.881e+04 / 18
p0 -54.19 ± 0.007538
p1 0.4502 ± 3.53e-07
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10000
20000
30000
40000
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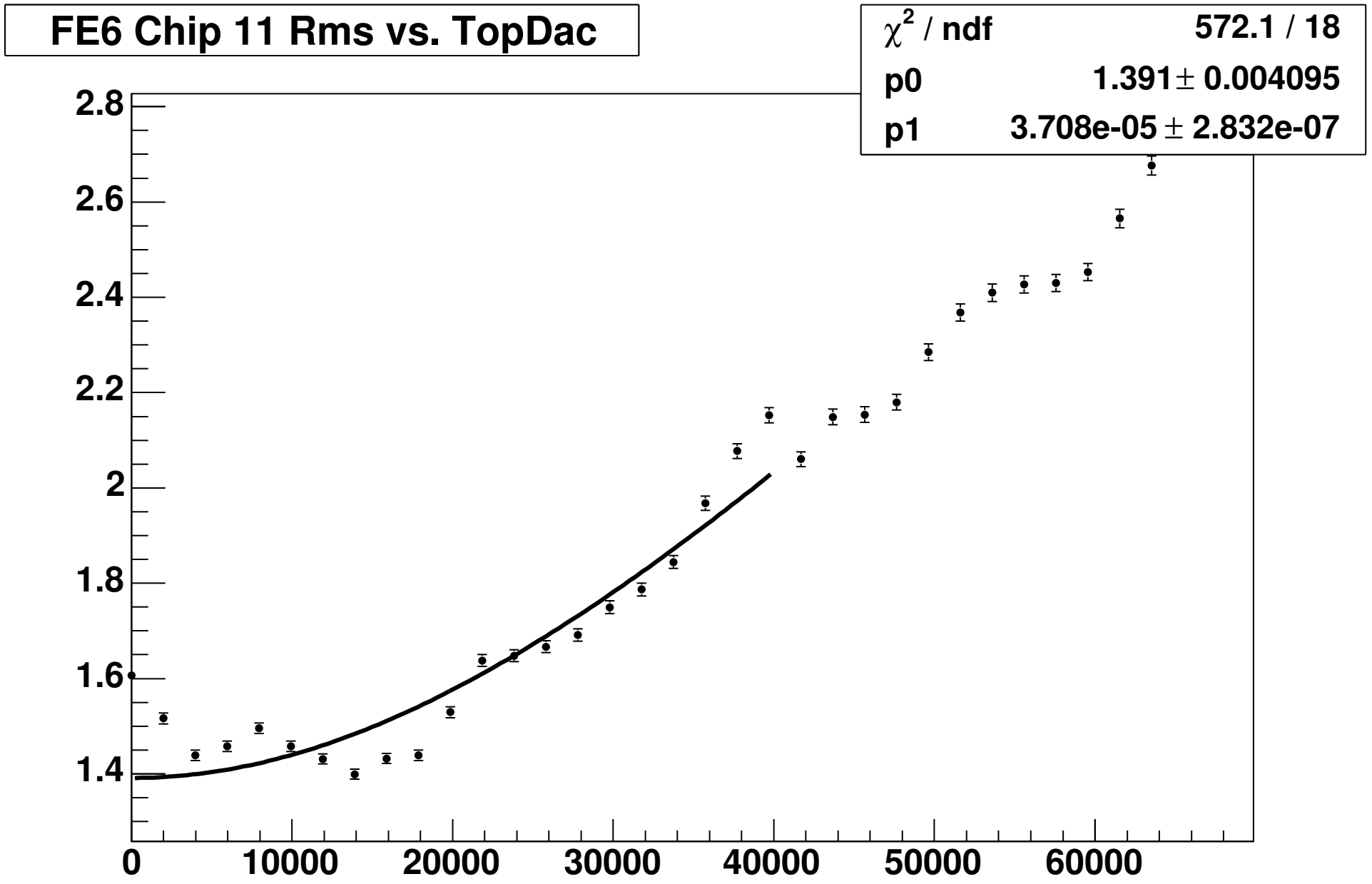
60000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 572.1 / 18
p0 1.391 ± 0.004095
p1 3.708e-05 ± 2.832e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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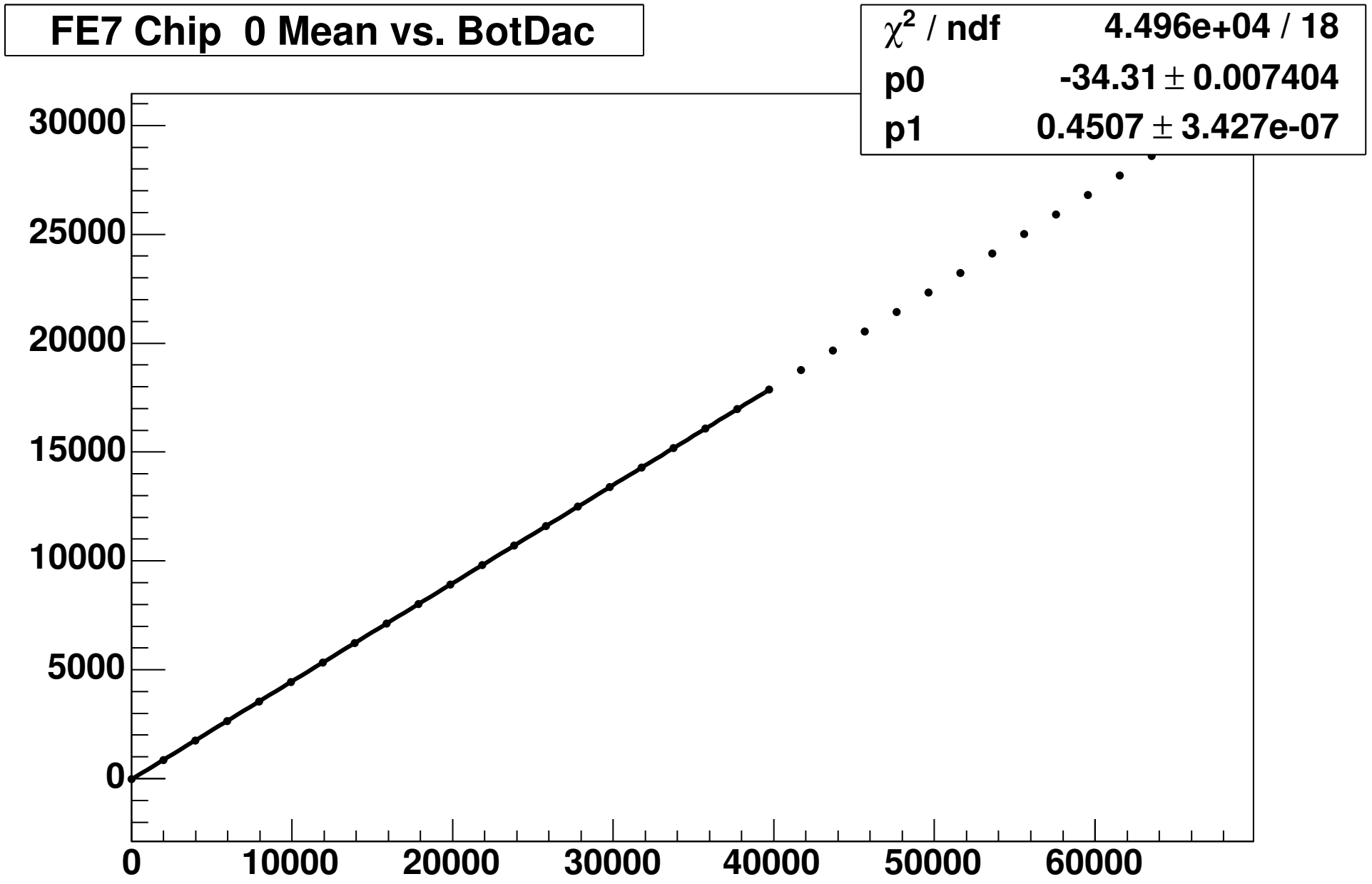
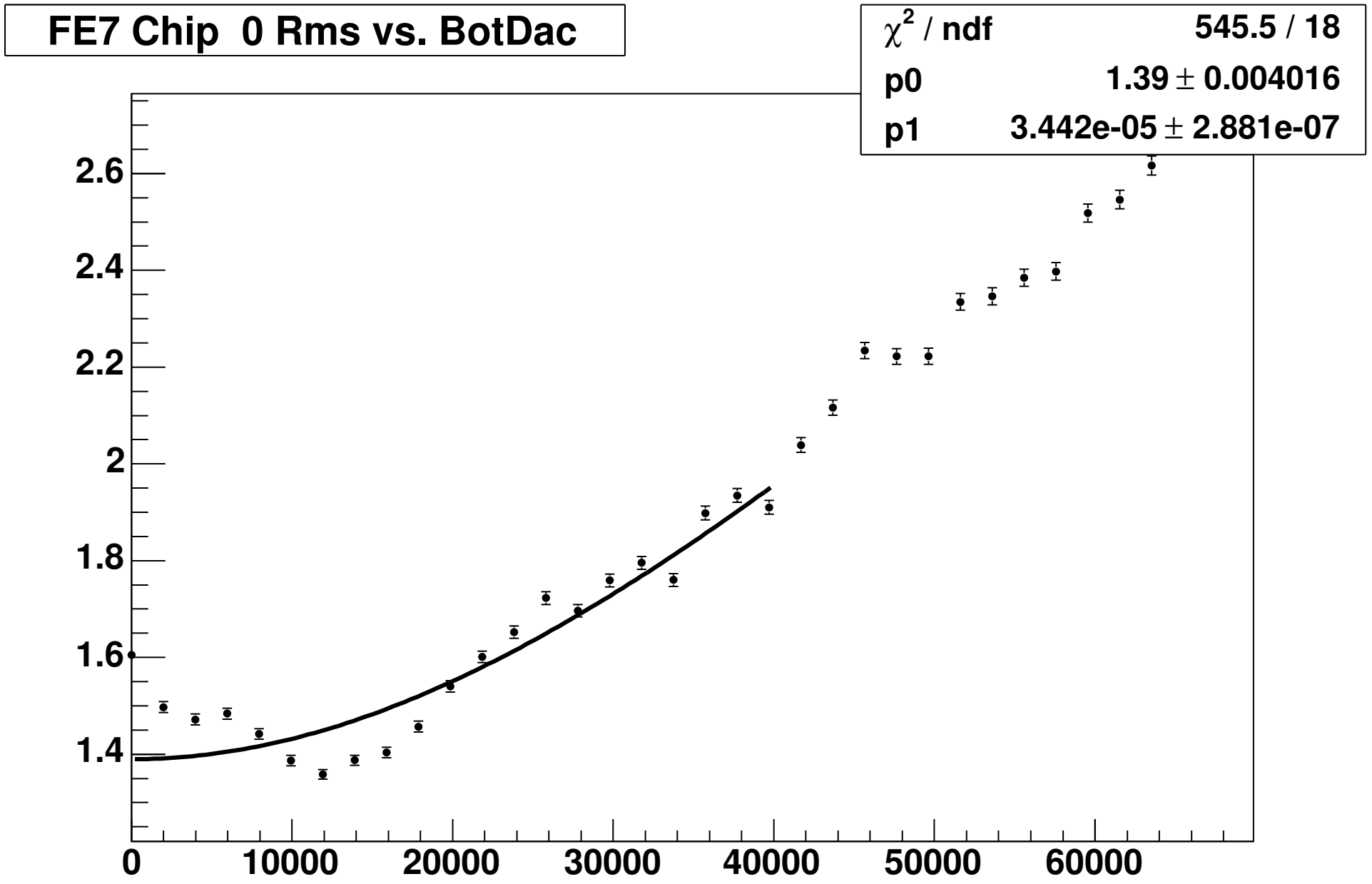

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 4.496e+04 / 18
p0 -34.31 ± 0.007404
p1 0.4507 ± 3.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 545.5 / 18
p0 1.39 ± 0.004016
p1 3.442e-05 ± 2.881e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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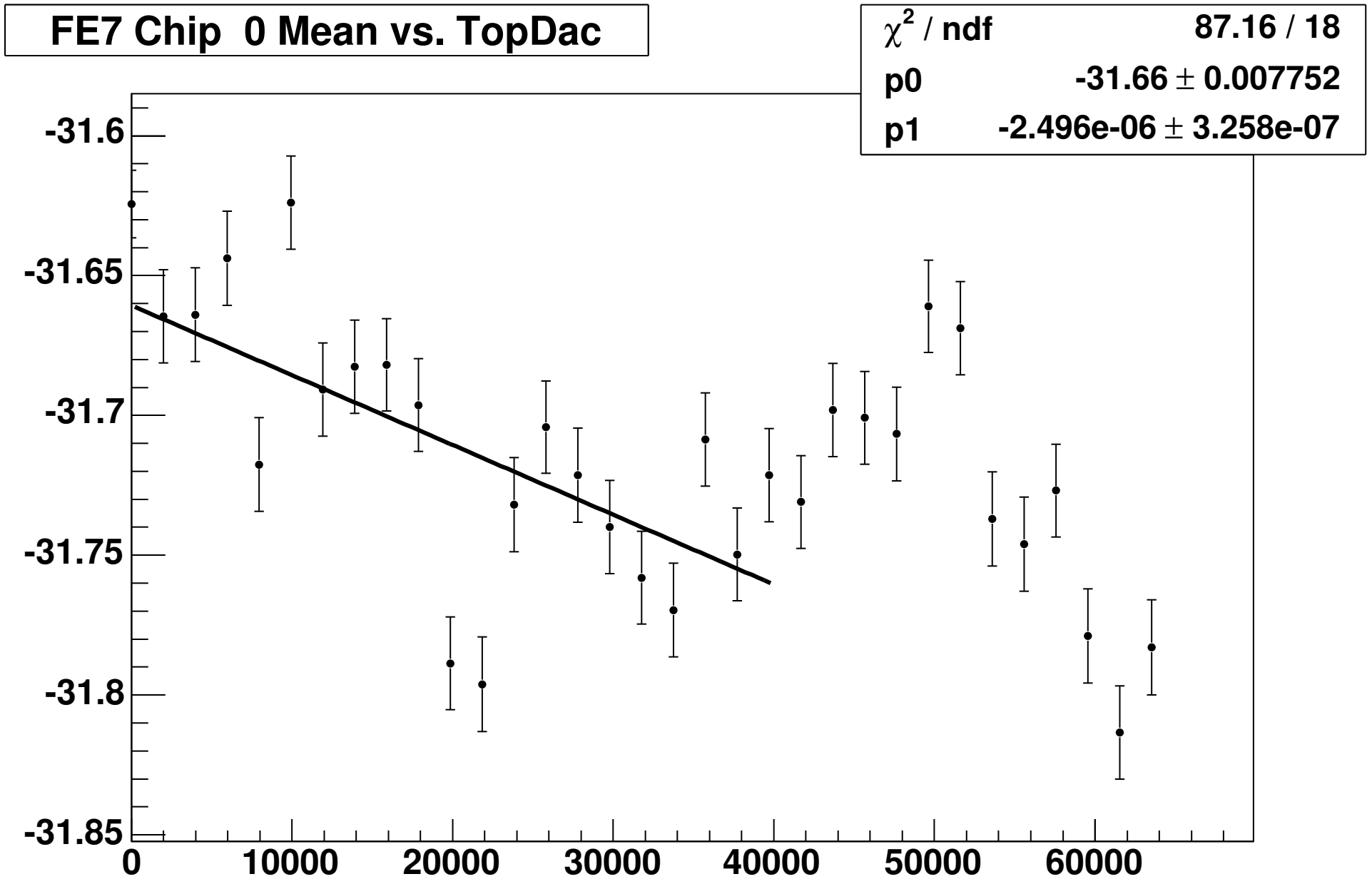
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 87.16 / 18
p0 -31.66 ± 0.007752
p1 -2.496e-06 ± 3.258e-07
-31.6
-31.65
-31.7
-31.75
-31.8
-31.85
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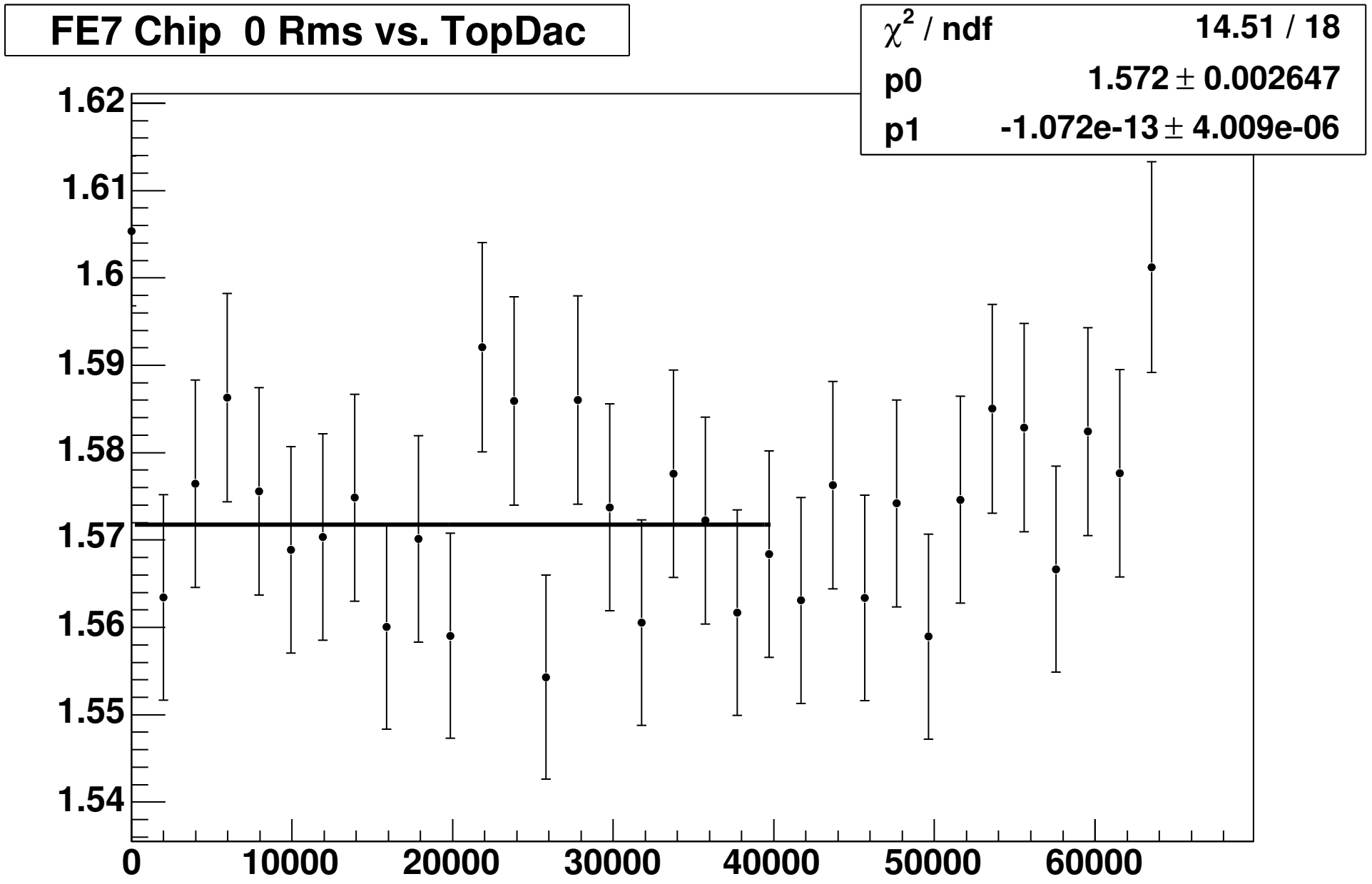
60000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 14.51 / 18
p0 1.572 ± 0.002647
p1 -1.072e-13 ± 4.009e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
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10000
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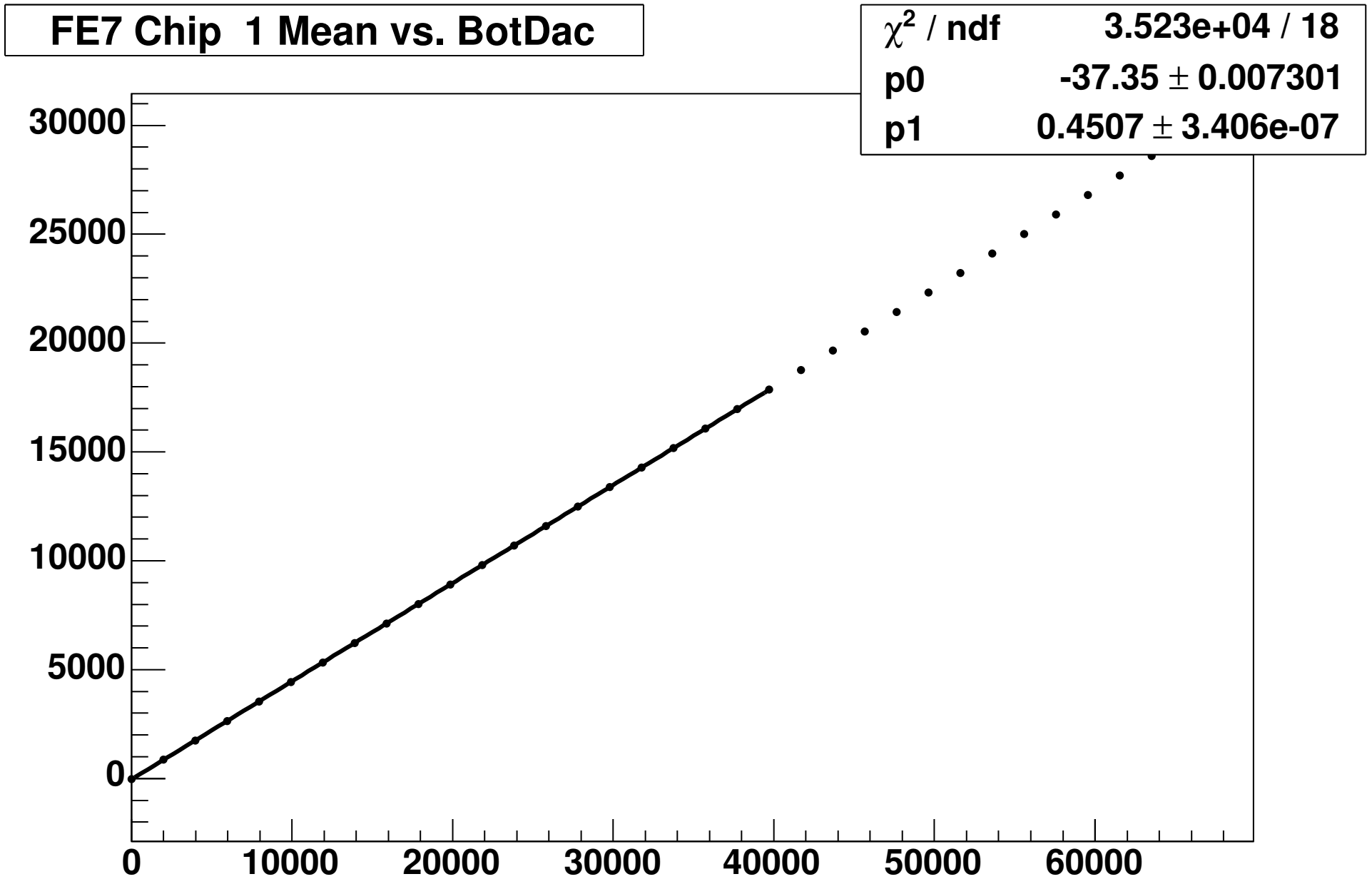
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 3.523e+04 / 18
p0 -37.35 ± 0.007301
p1 0.4507 ± 3.406e-07
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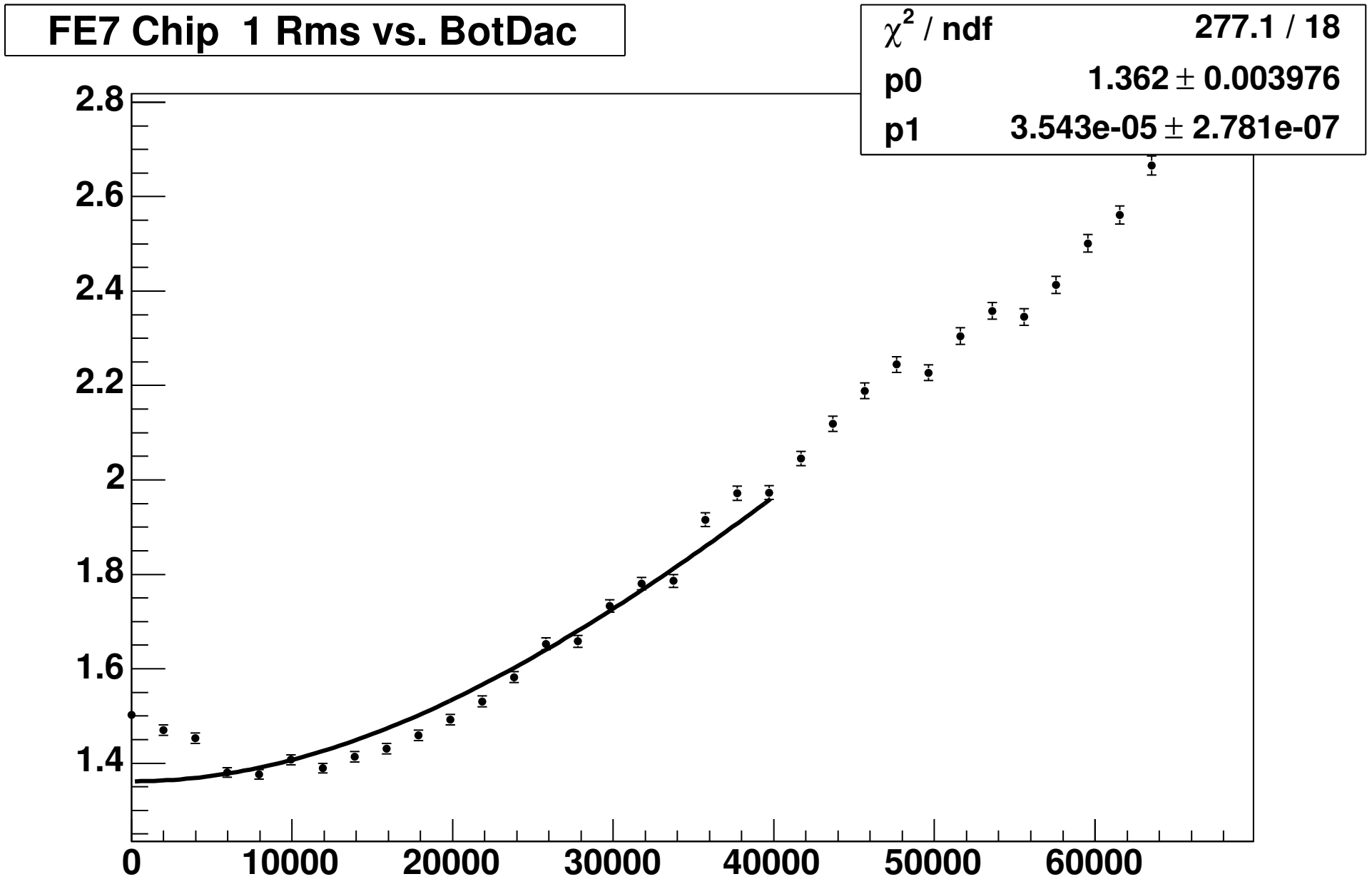
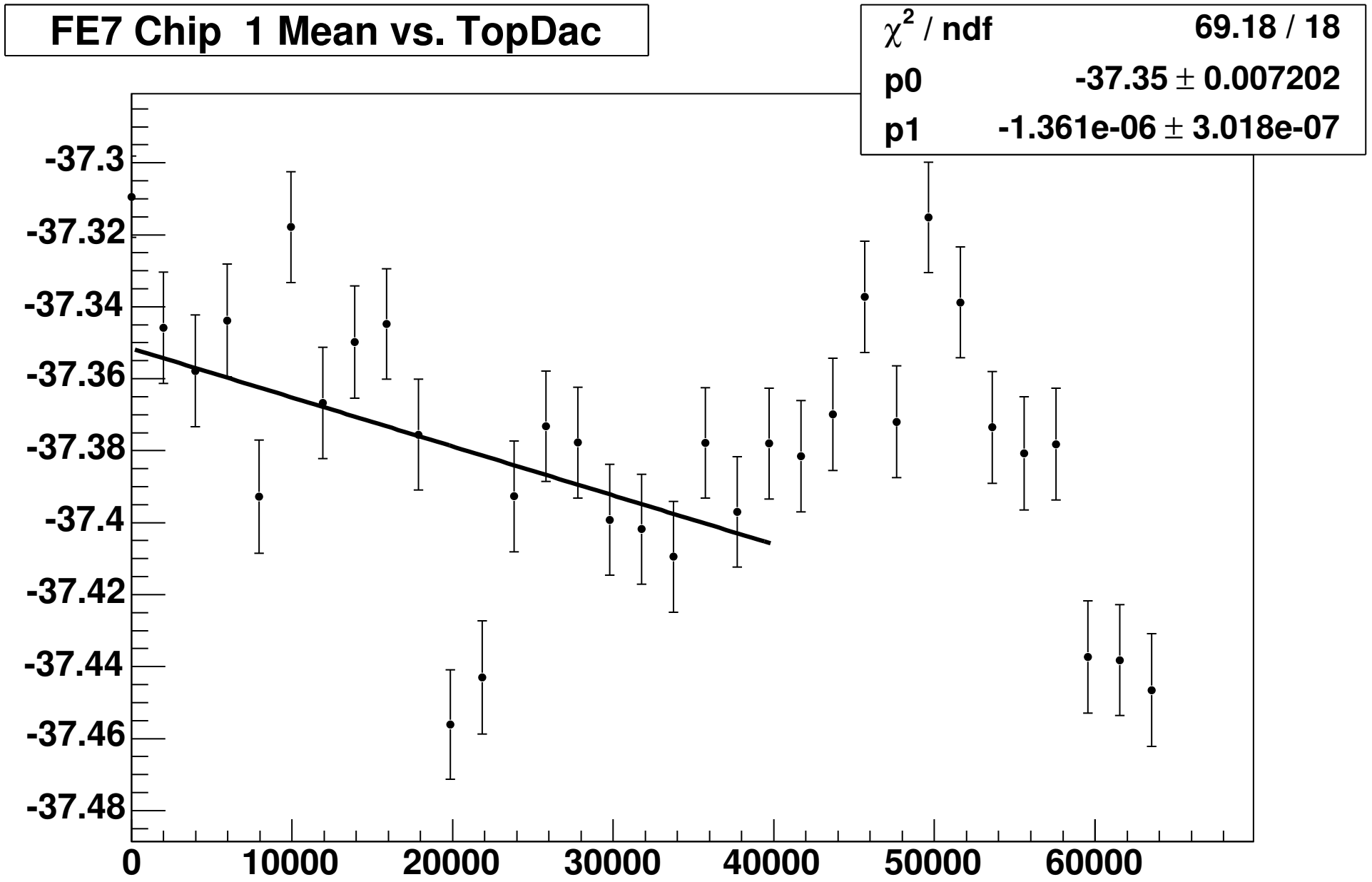
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 277.1 / 18
p0 1.362 ± 0.003976
p1 3.543e-05 ± 2.781e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 69.18 / 18
p0 -37.35 ± 0.007202
p1 -1.361e-06 ± 3.018e-07
-37.3
-37.32
-37.34
-37.36
-37.38
-37.4
-37.42
-37.44
-37.46
-37.48
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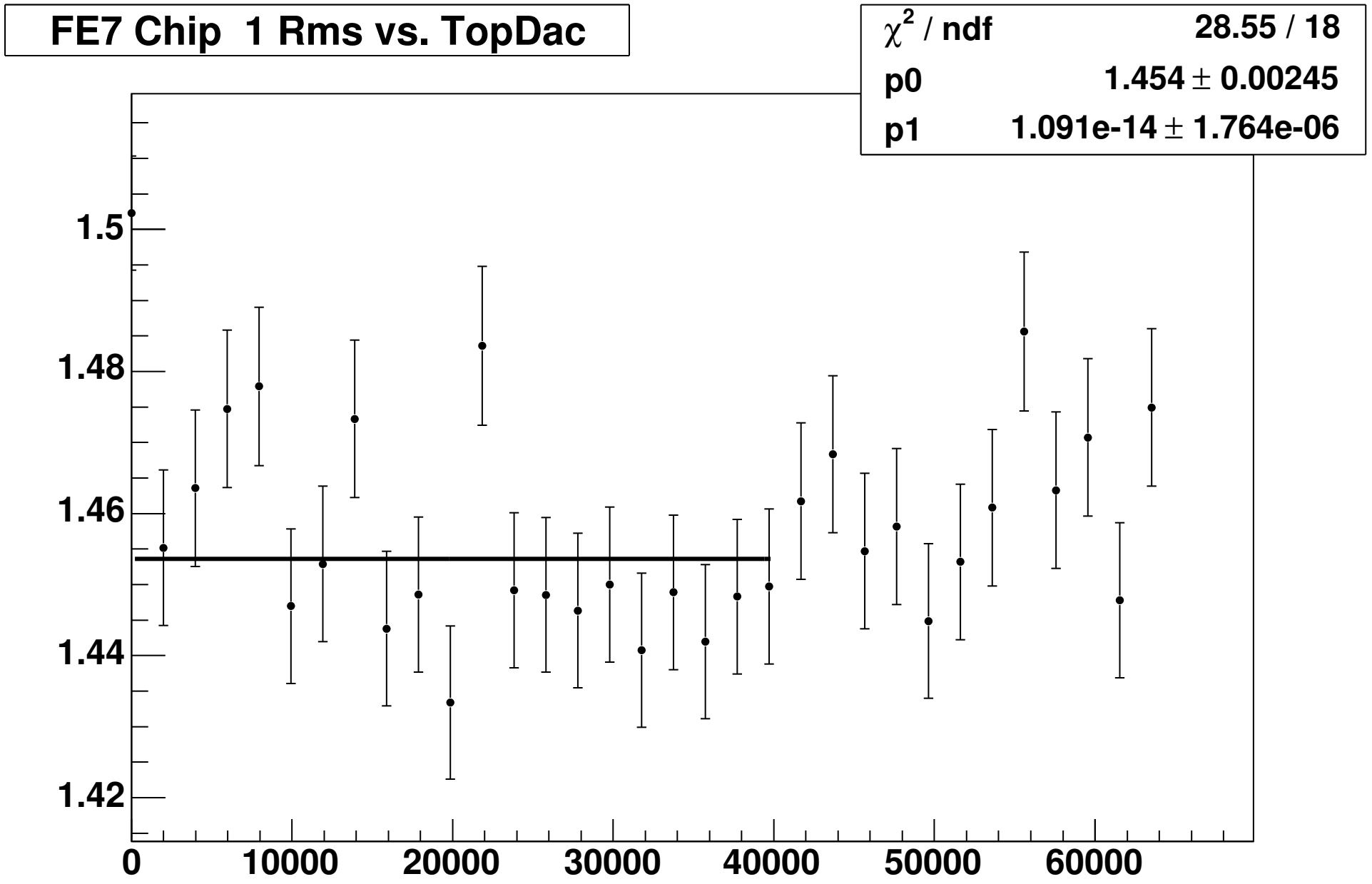
FE7 Chip 1 Rms vs. TopDac
χ² / ndf 28.55 / 18
p0 1.454 ± 0.00245
p1 1.091e-14 ± 1.764e-06
1.5
1.48
1.46
1.44
1.42
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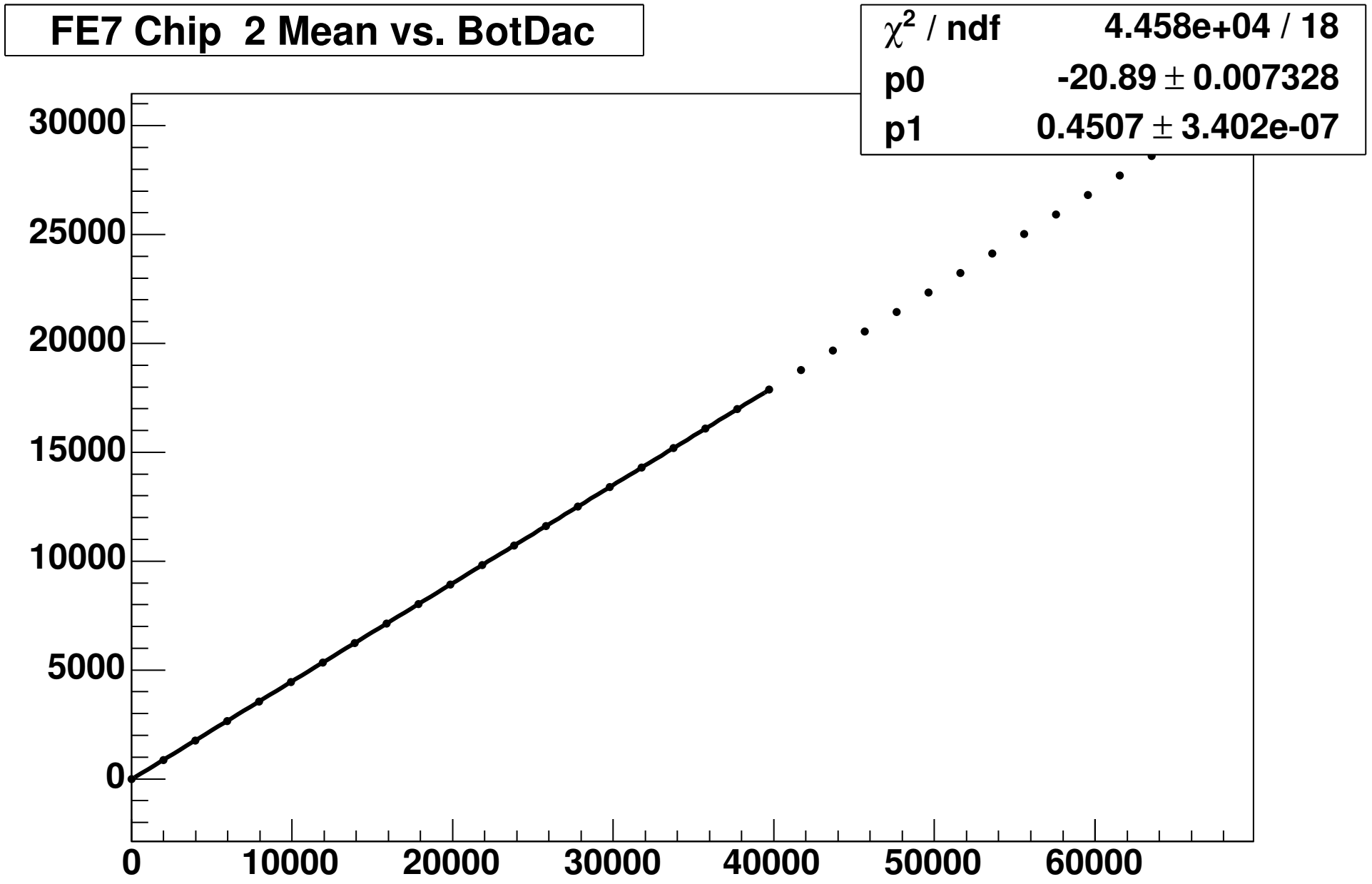
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 4.458e+04 / 18
p0 -20.89 ± 0.007328
p1 0.4507 ± 3.402e-07
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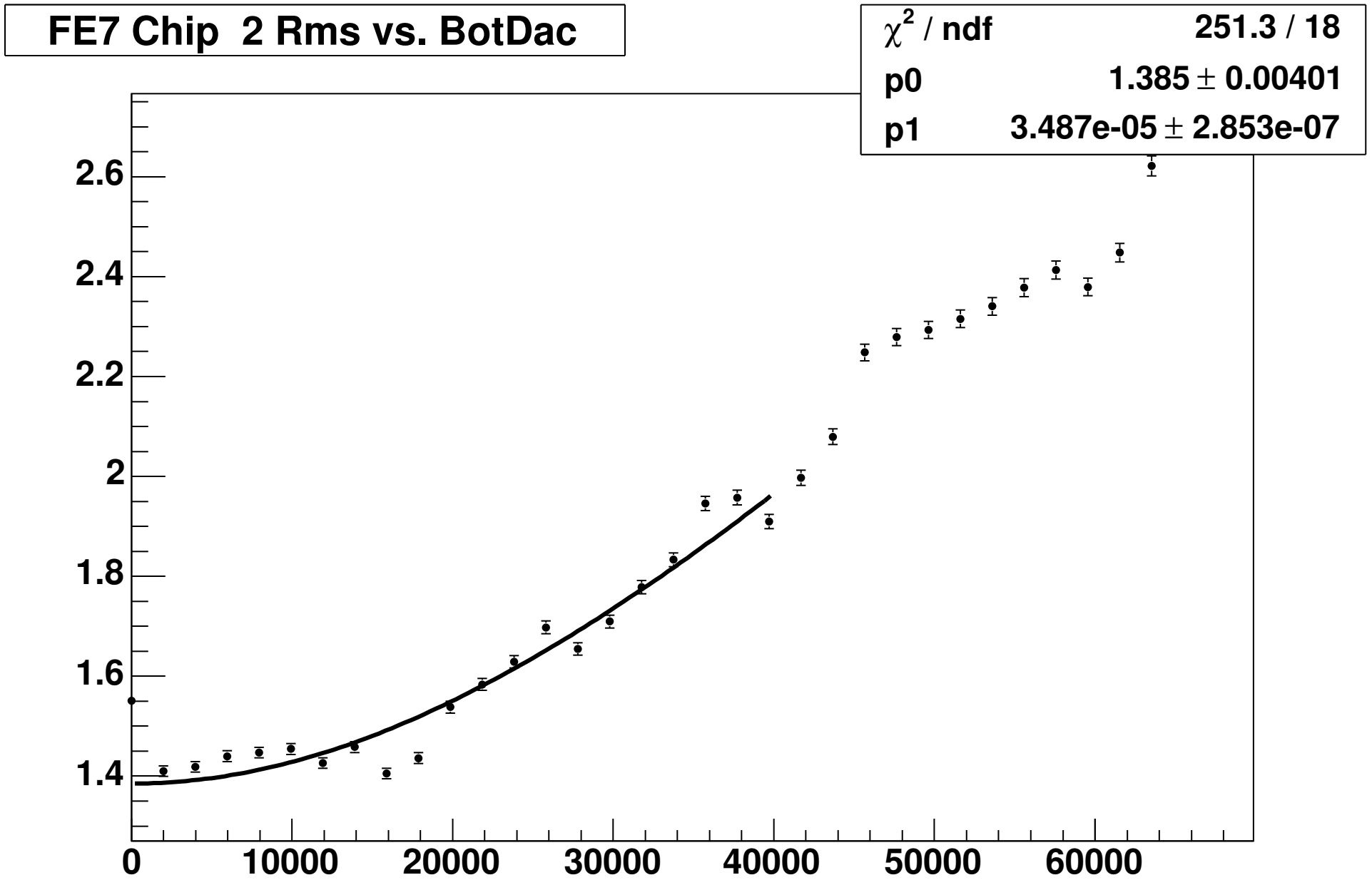
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 251.3 / 18
p0 1.385 ± 0.00401
p1 3.487e-05 ± 2.853e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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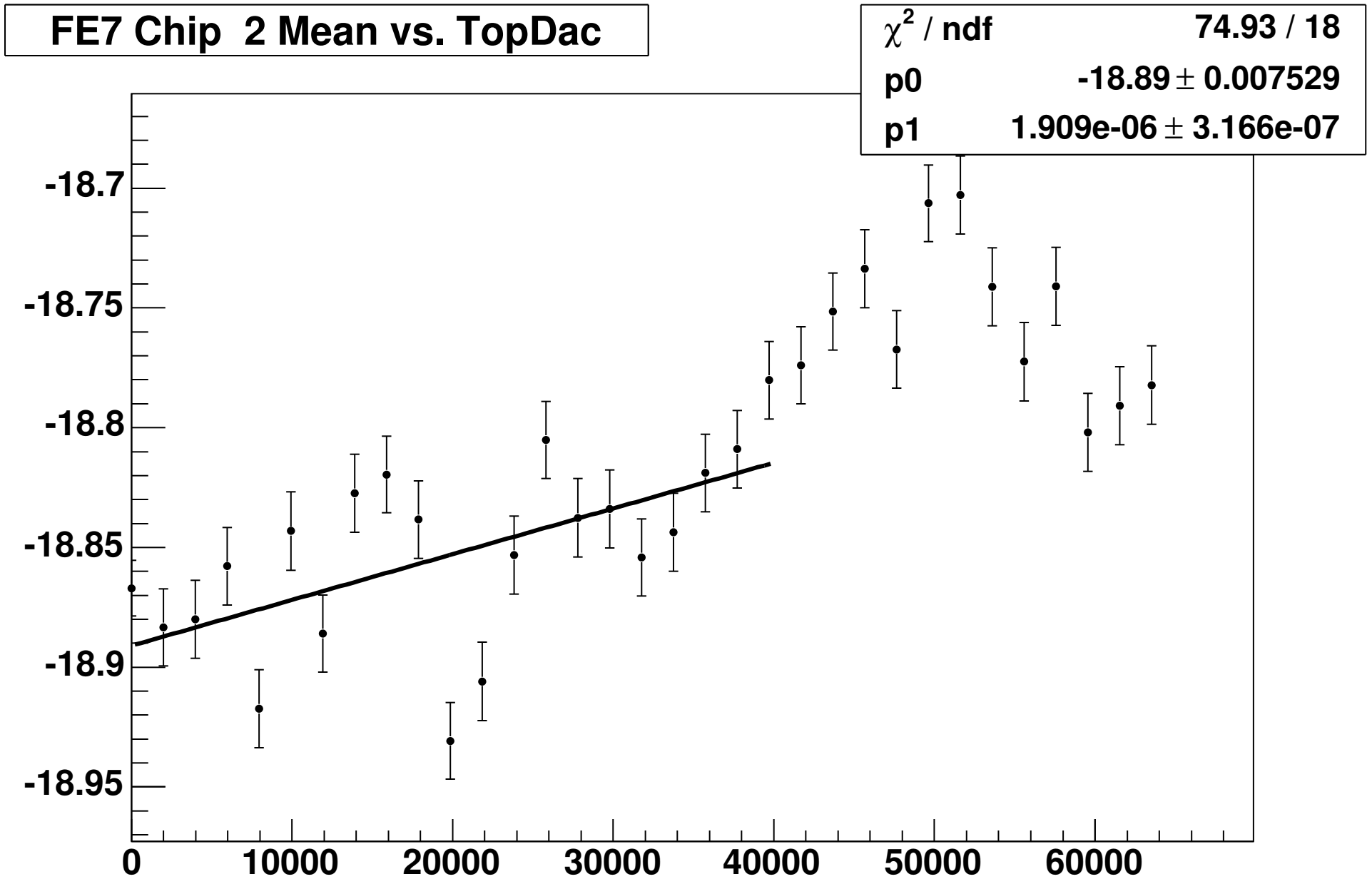
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 74.93 / 18
p0 -18.89 ± 0.007529
p1 1.909e-06 ± 3.166e-07
-18.7
-18.75
-18.8
-18.85
-18.9
-18.95
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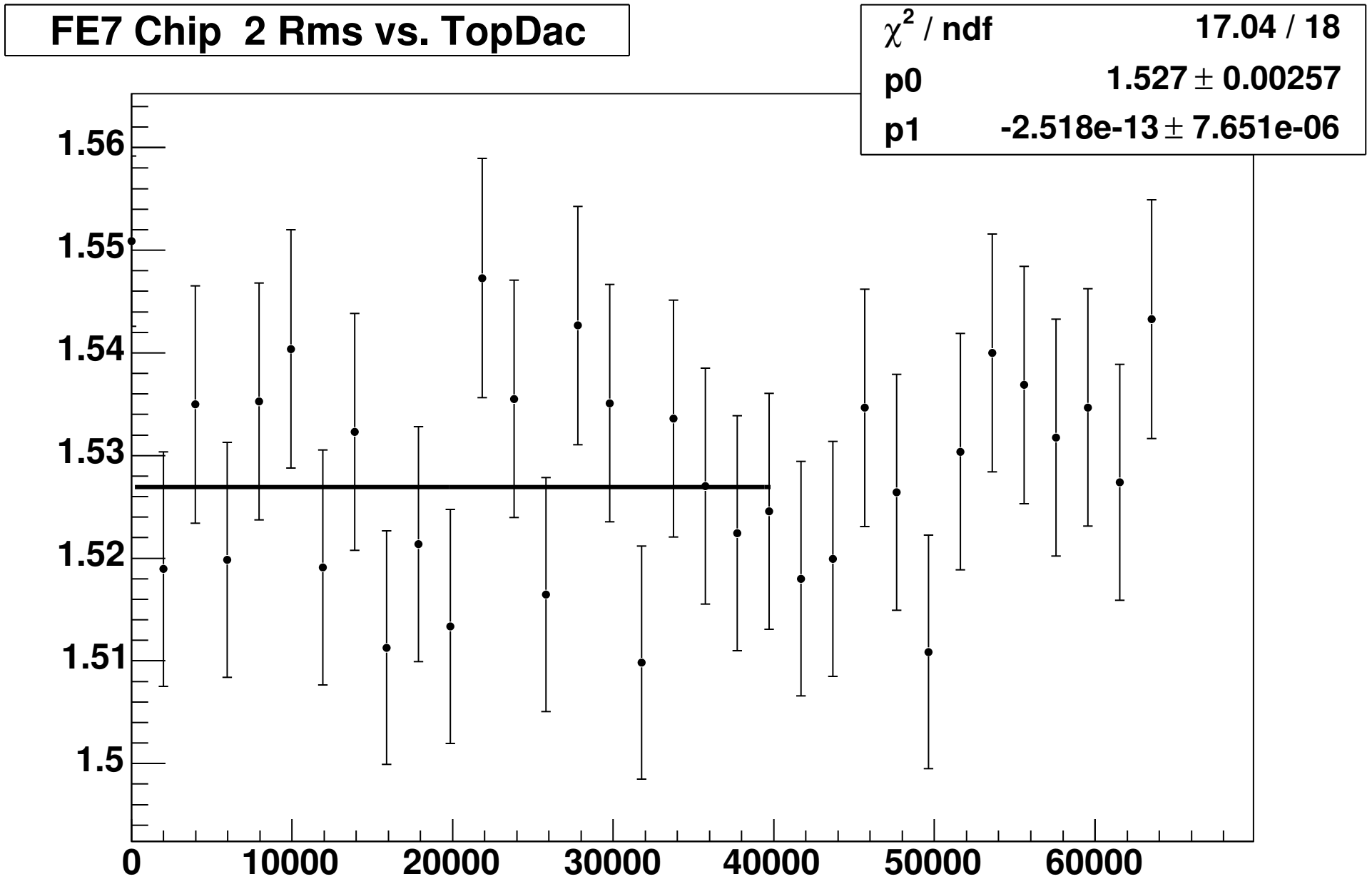
FE7 Chip 2 Rms vs. TopDac
χ² / ndf 17.04 / 18
p0 1.527 ± 0.00257
p1 -2.518e-13 ± 7.651e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
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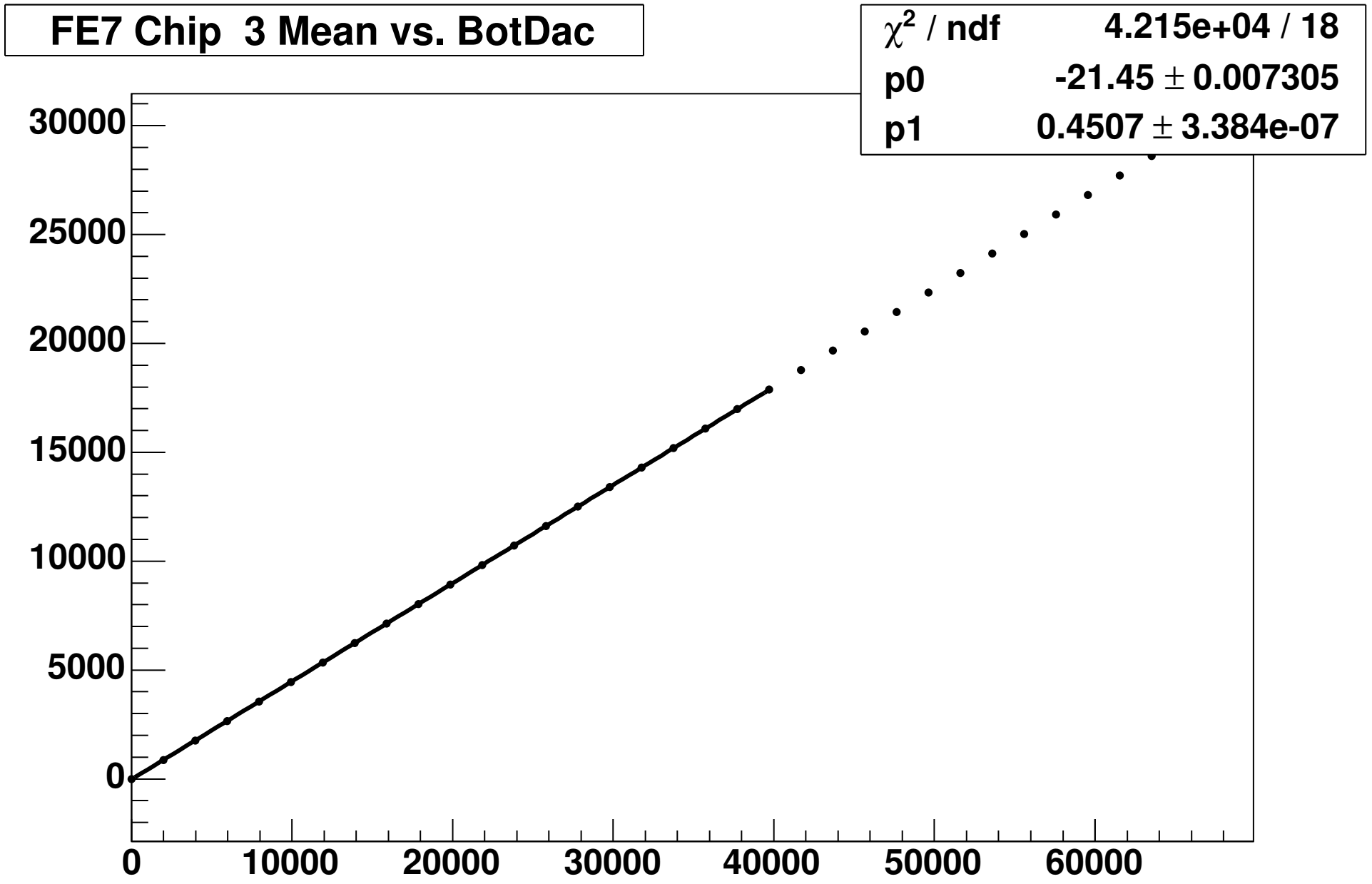
FE7 Chip 3 Mean vs. BotDac
χ² / ndf 4.215e+04 / 18
p0 -21.45 ± 0.007305
p1 0.4507 ± 3.384e-07
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25000
20000
15000
10000
5000
0
0
10000
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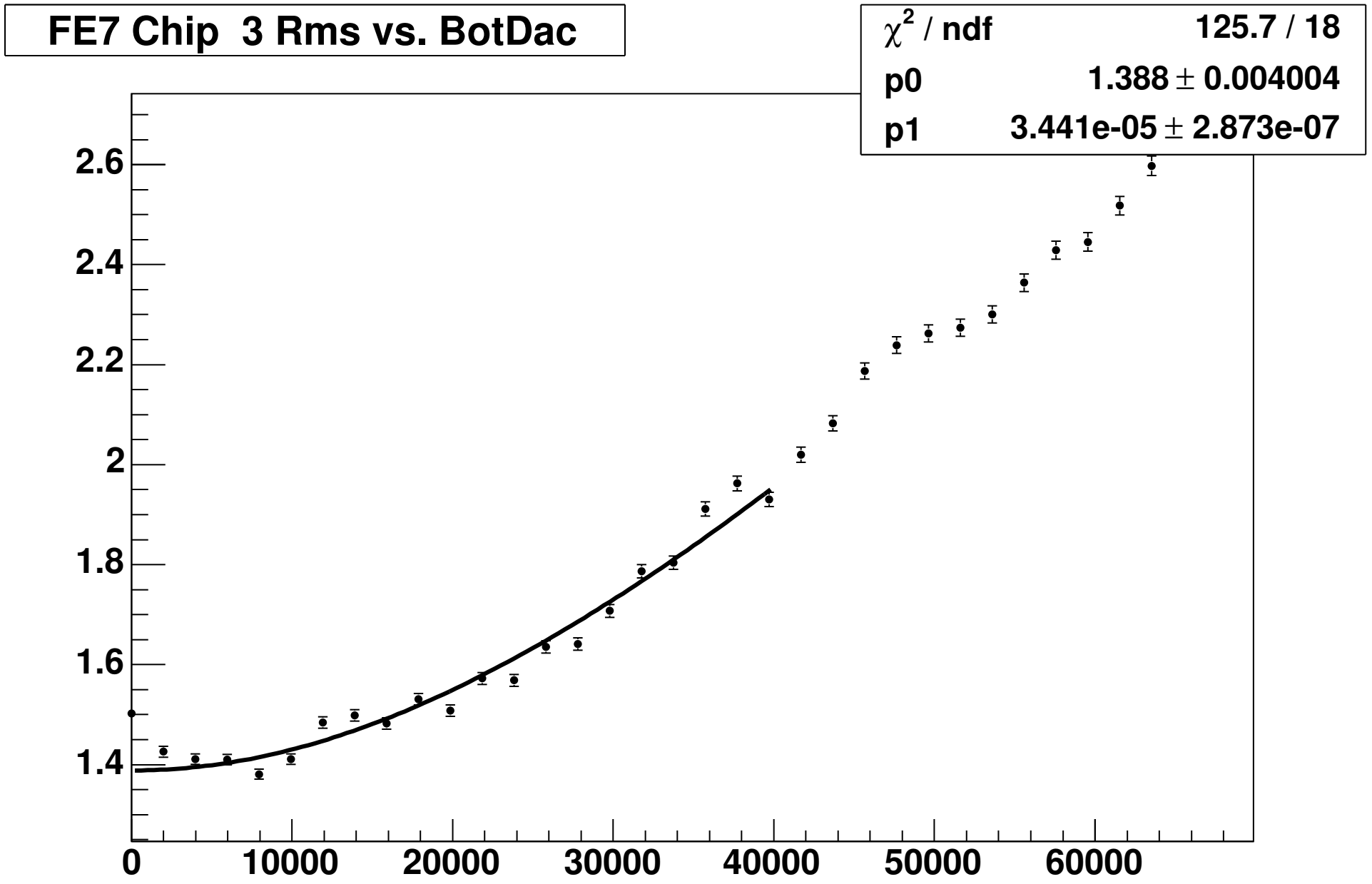
30000
40000
50000
60000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 125.7 / 18
p0 1.388 ± 0.004004
p1 3.441e-05 ± 2.873e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
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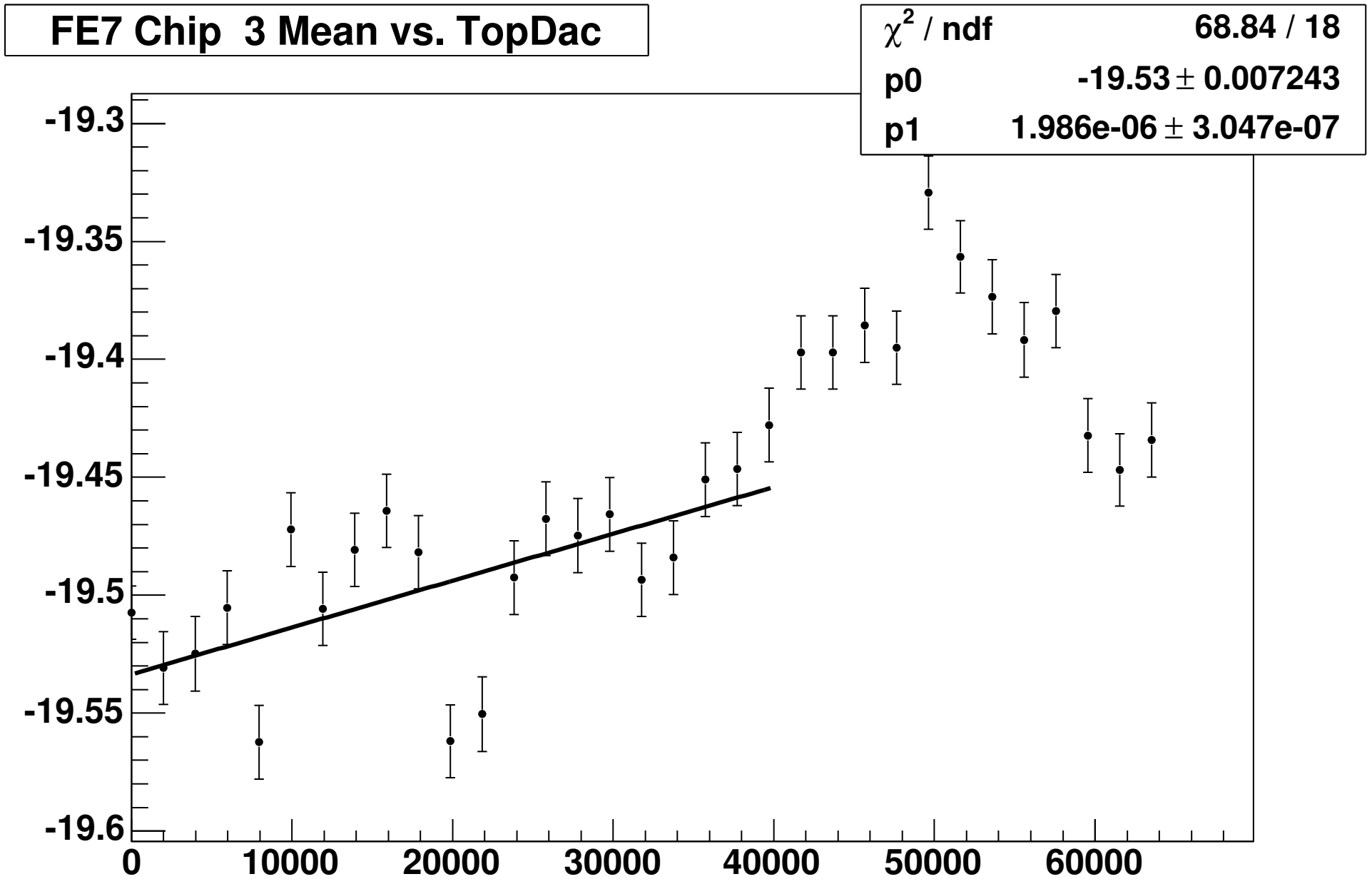
FE7 Chip 3 Mean vs. TopDac
χ^2 / ndf 68.84 / 18
p0 -19.53 ± 0.007243
p1 1.986e-06 ± 3.047e-07
-19.3
-19.35
-19.4
-19.45
-19.5
-19.55
-19.6
0
10000
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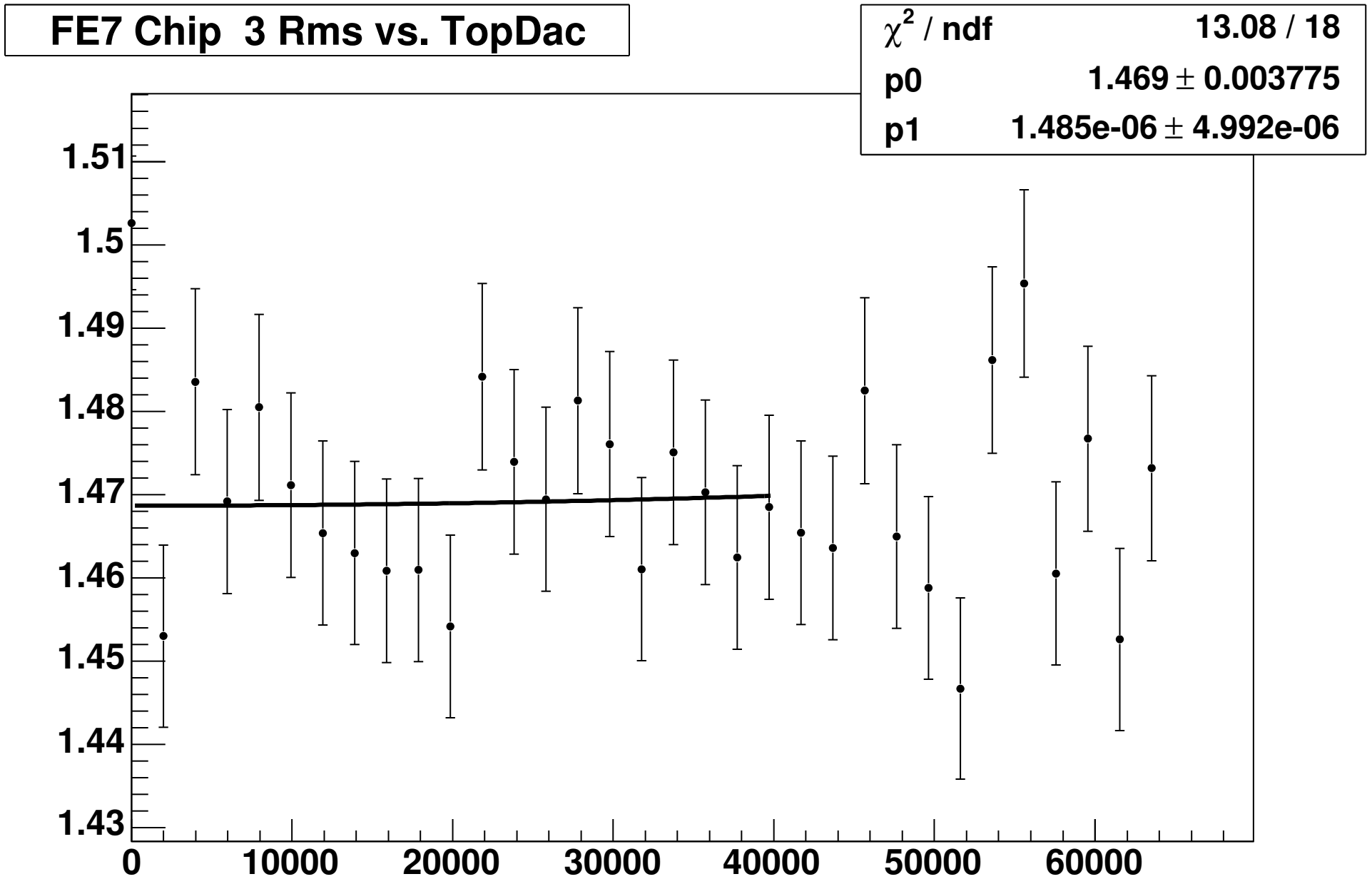
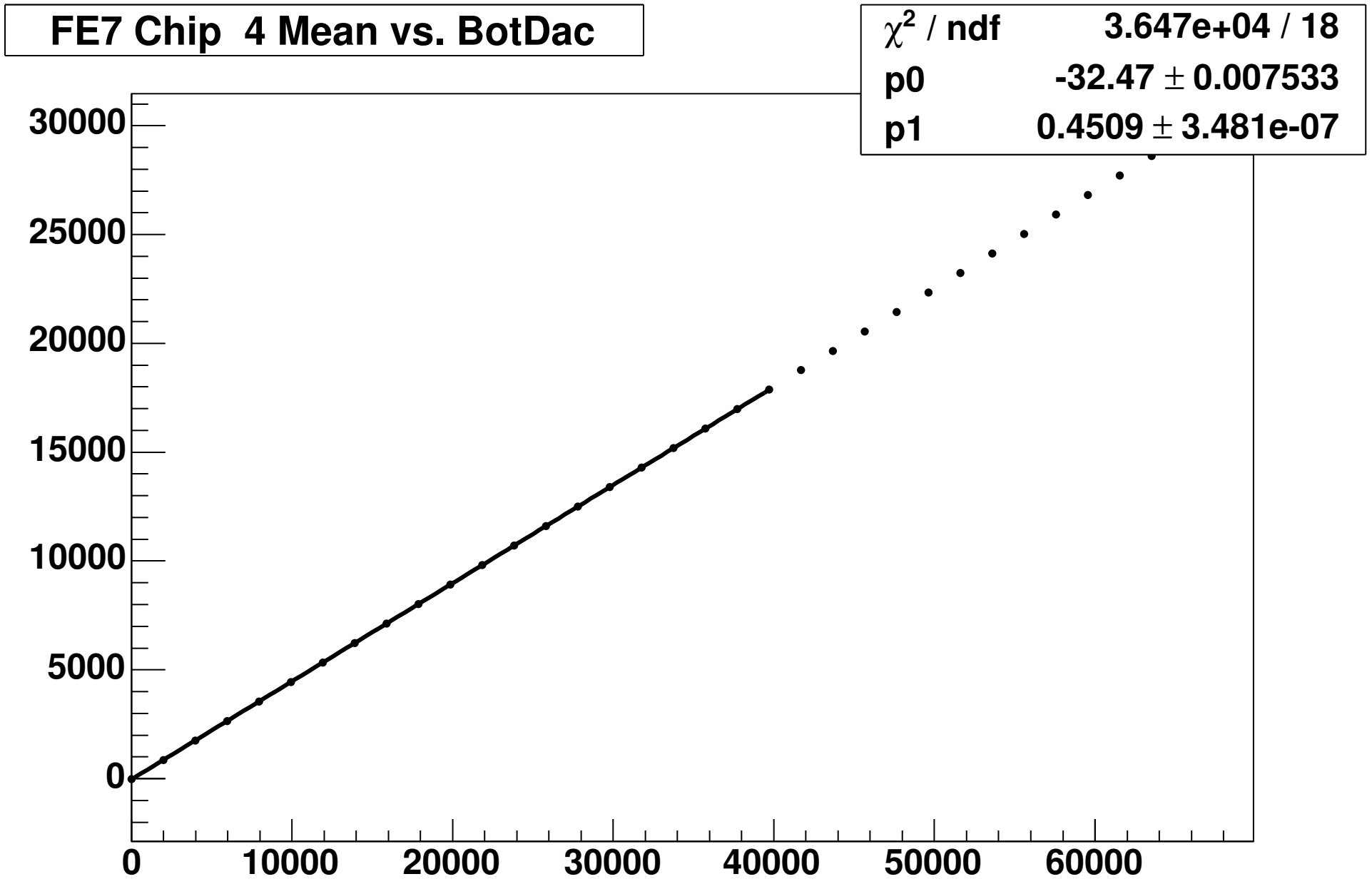
40000
50000
60000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 13.08 / 18
p0 1.469 ± 0.003775
p1 1.485e-06 ± 4.992e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 3.647e+04 / 18
p0 -32.47 ± 0.007533
p1 0.4509 ± 3.481e-07
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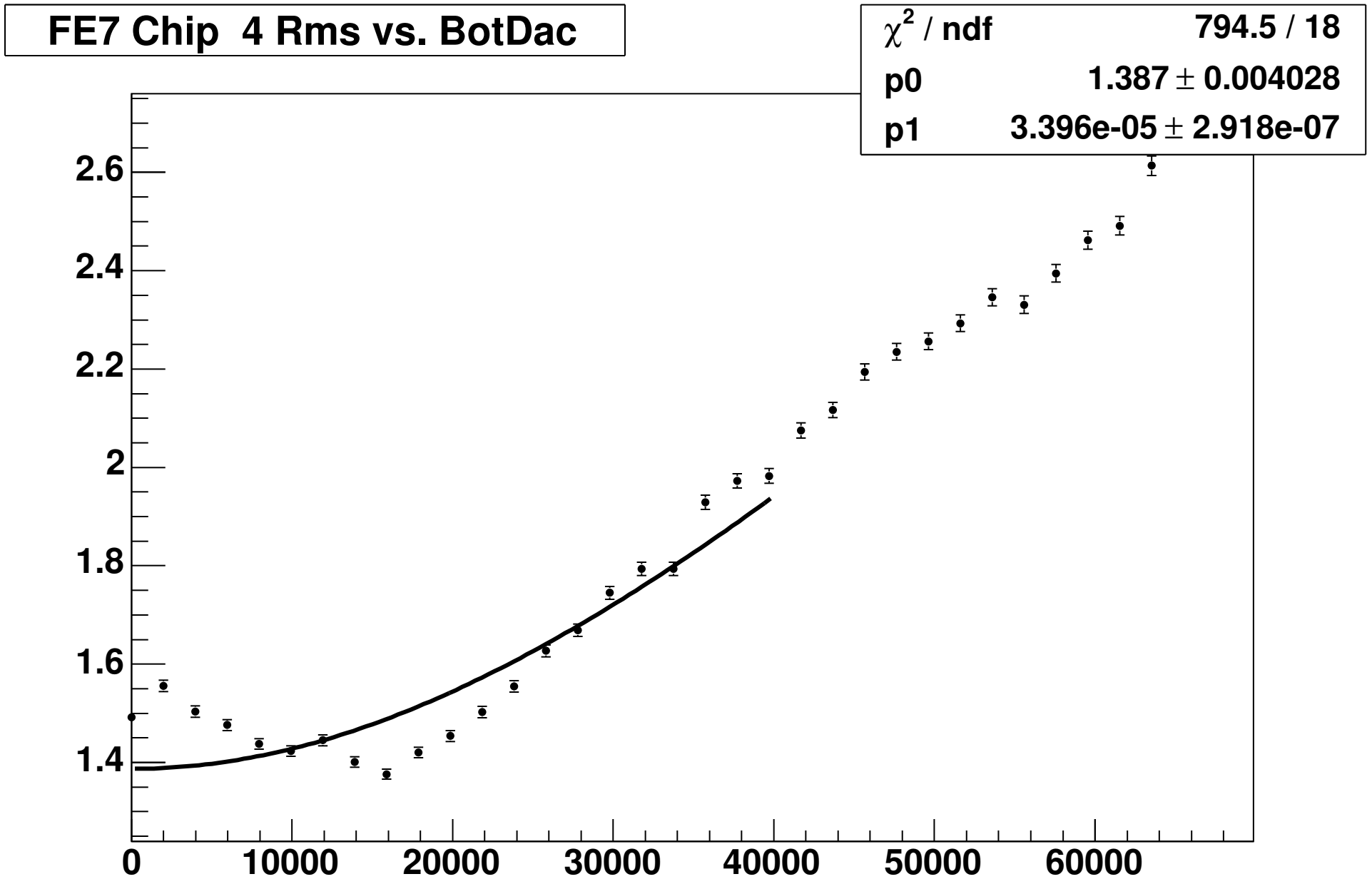
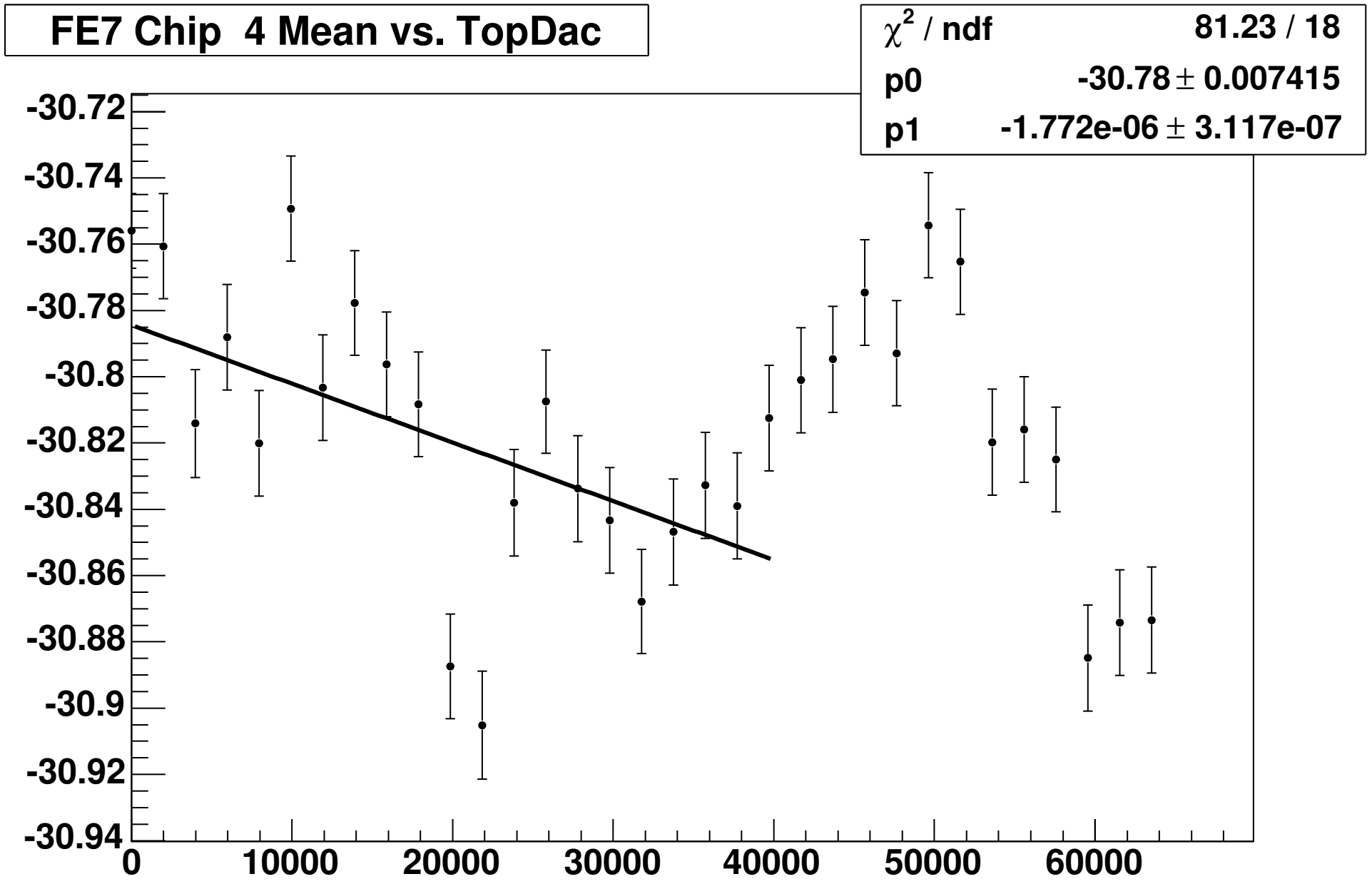
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 794.5 / 18
p0 1.387 ± 0.004028
p1 3.396e-05 ± 2.918e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 81.23 / 18
p0 -30.78 ± 0.007415
p1 -1.772e-06 ± 3.117e-07
-30.72
-30.74
-30.76
-30.78
-30.8
-30.82
-30.84
-30.86
-30.88
-30.9
-30.92
-30.94
0
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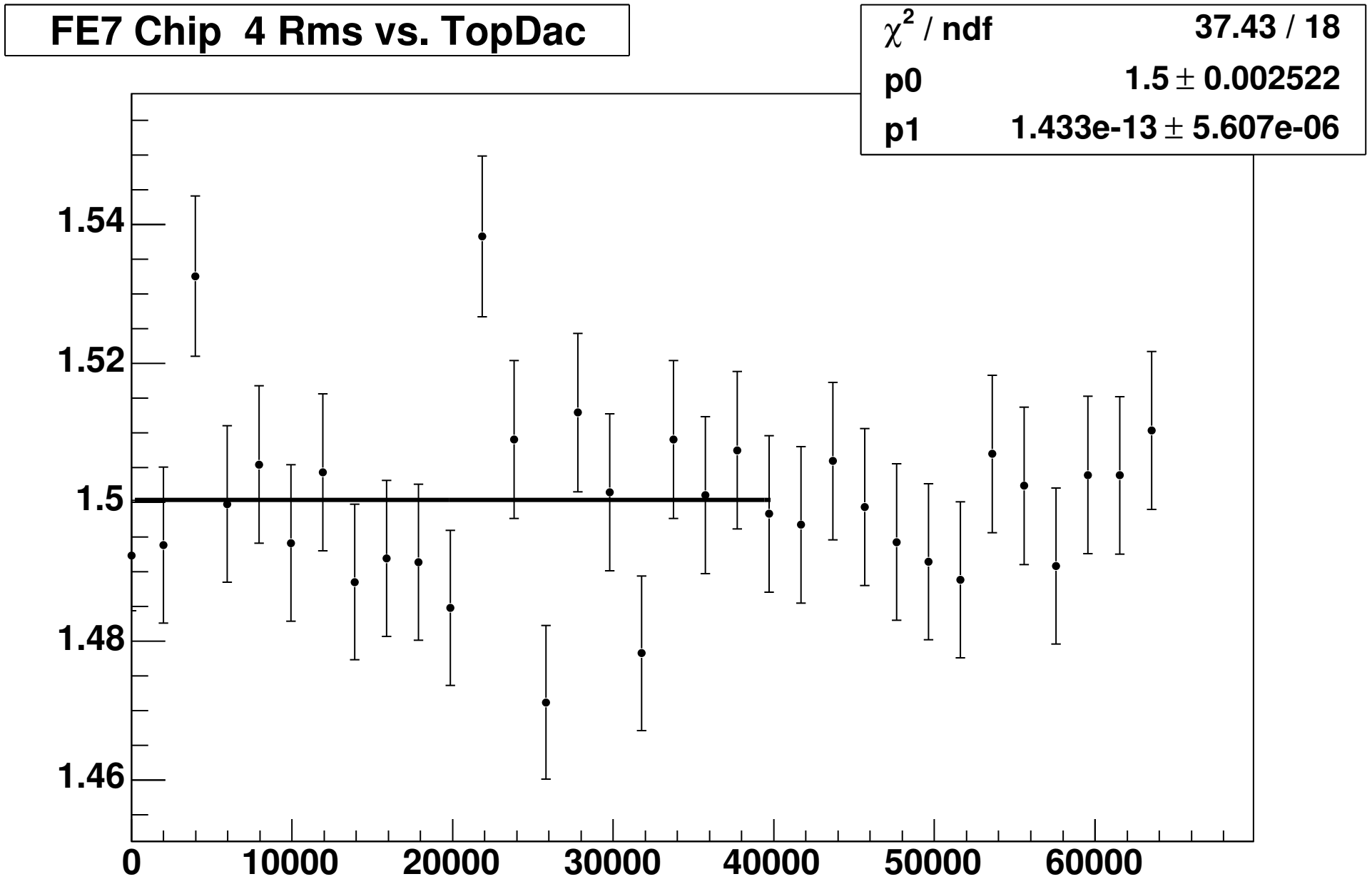
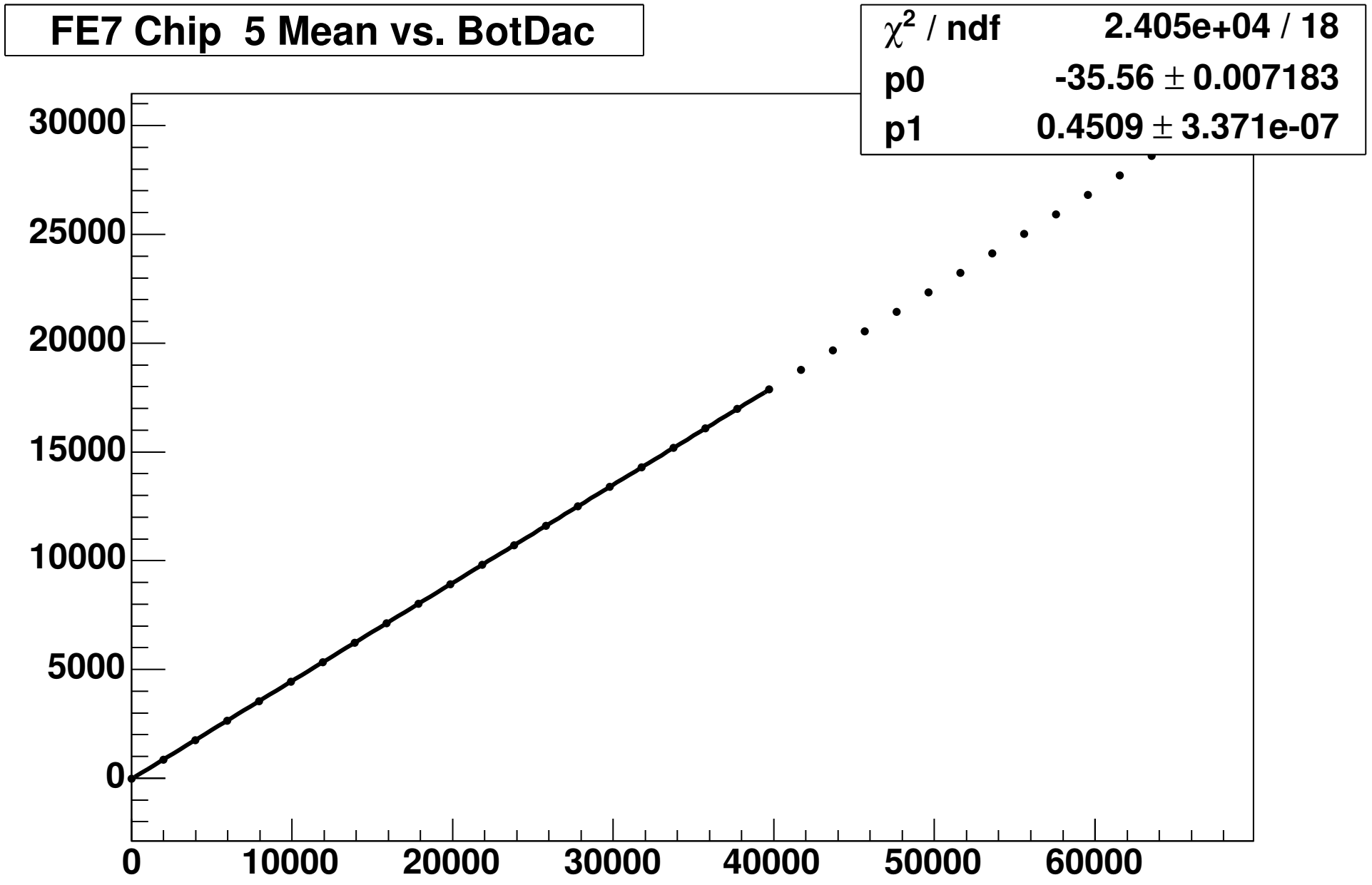
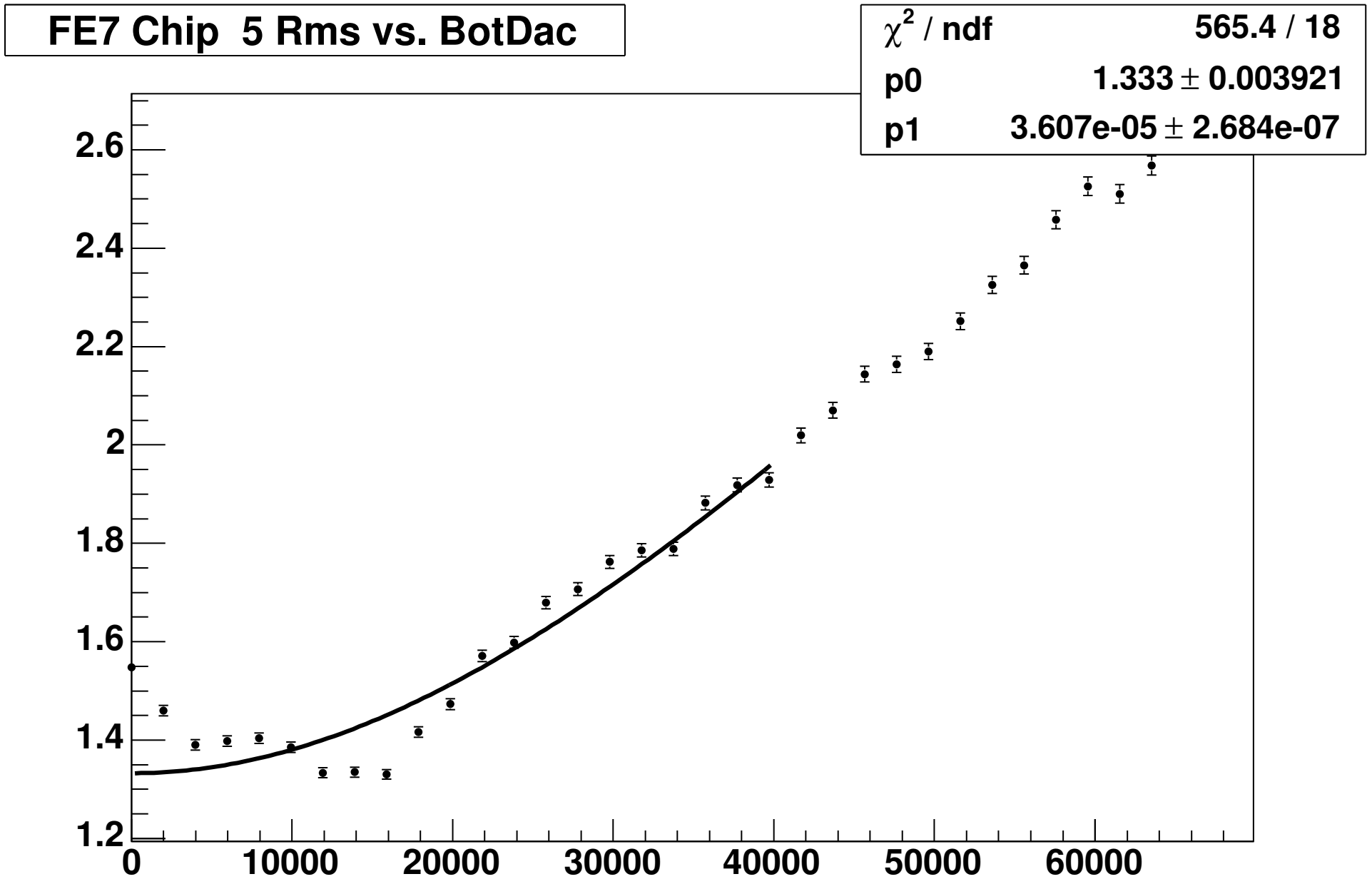
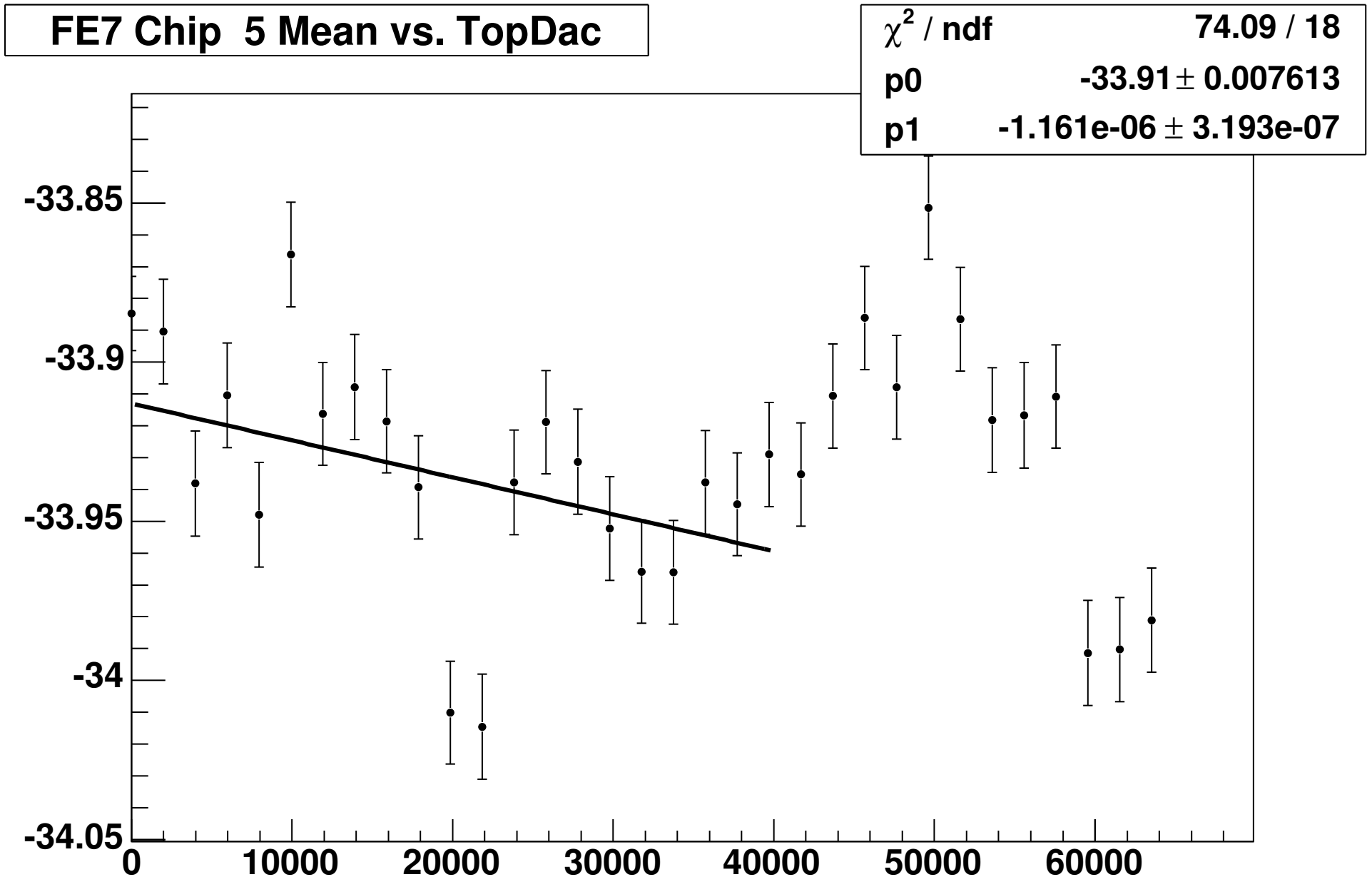
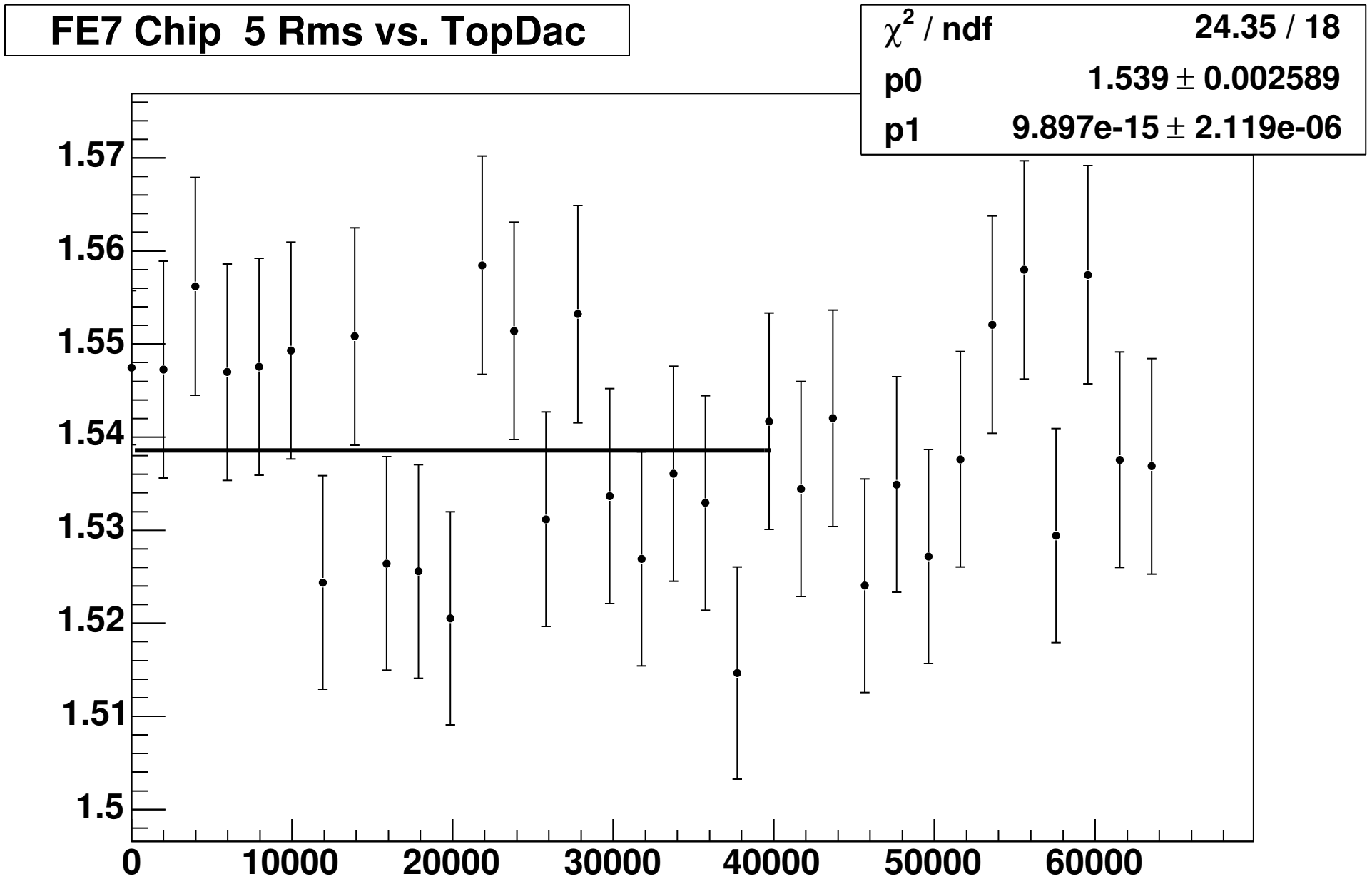
50000
60000

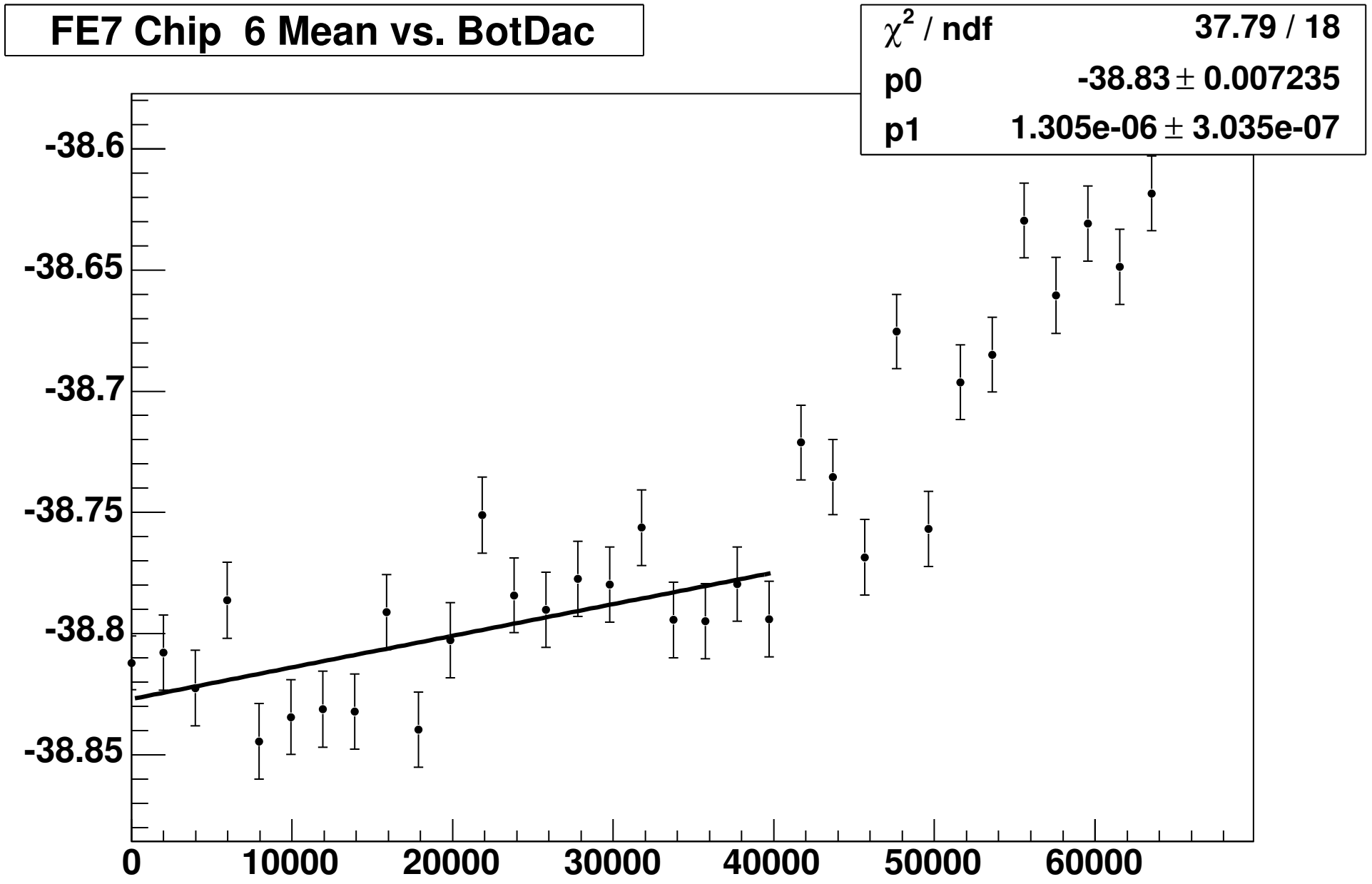

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 37.43 / 18
p0 1.5 ± 0.002522
p1 1.433e-13 ± 5.607e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 2.405e+04 / 18
p0 -35.56 ± 0.007183
p1 0.4509 ± 3.371e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 565.4 / 18
p0 1.333 ± 0.003921
p1 3.607e-05 ± 2.684e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 74.09 / 18
p0 -33.91 ± 0.007613
p1 -1.161e-06 ± 3.193e-07
-33.85
-33.9
-33.95
-34
-34.05
0
10000
20000
30000
40000
50000
60000


FE7 Chip 5 Rms vs. TopDac
χ² / ndf 24.35 / 18
p0 1.539 ± 0.002589
p1 9.897e-15 ± 2.119e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000


FE7 Chip 6 Mean vs. BotDac
χ² / ndf 37.79 / 18
p0 -38.83 ± 0.007235
p1 1.305e-06 ± 3.035e-07
-38.6
-38.65
-38.7
-38.75
-38.8
-38.85
0
10000
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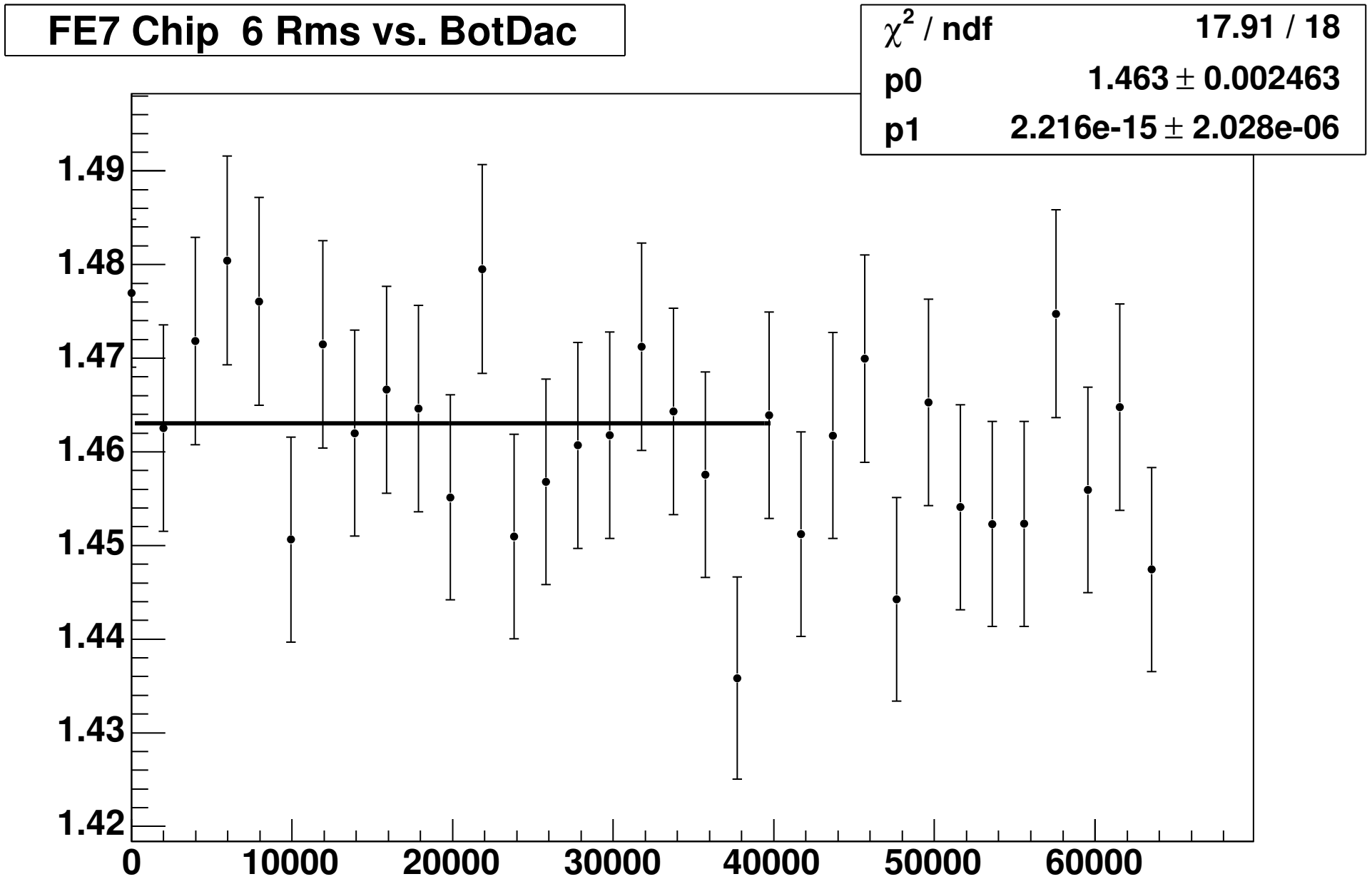
30000
40000
50000
60000


FE7 Chip 6 Rms vs. BotDac
χ² / ndf 17.91 / 18
p0 1.463 ± 0.002463
p1 2.216e-15 ± 2.028e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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10000
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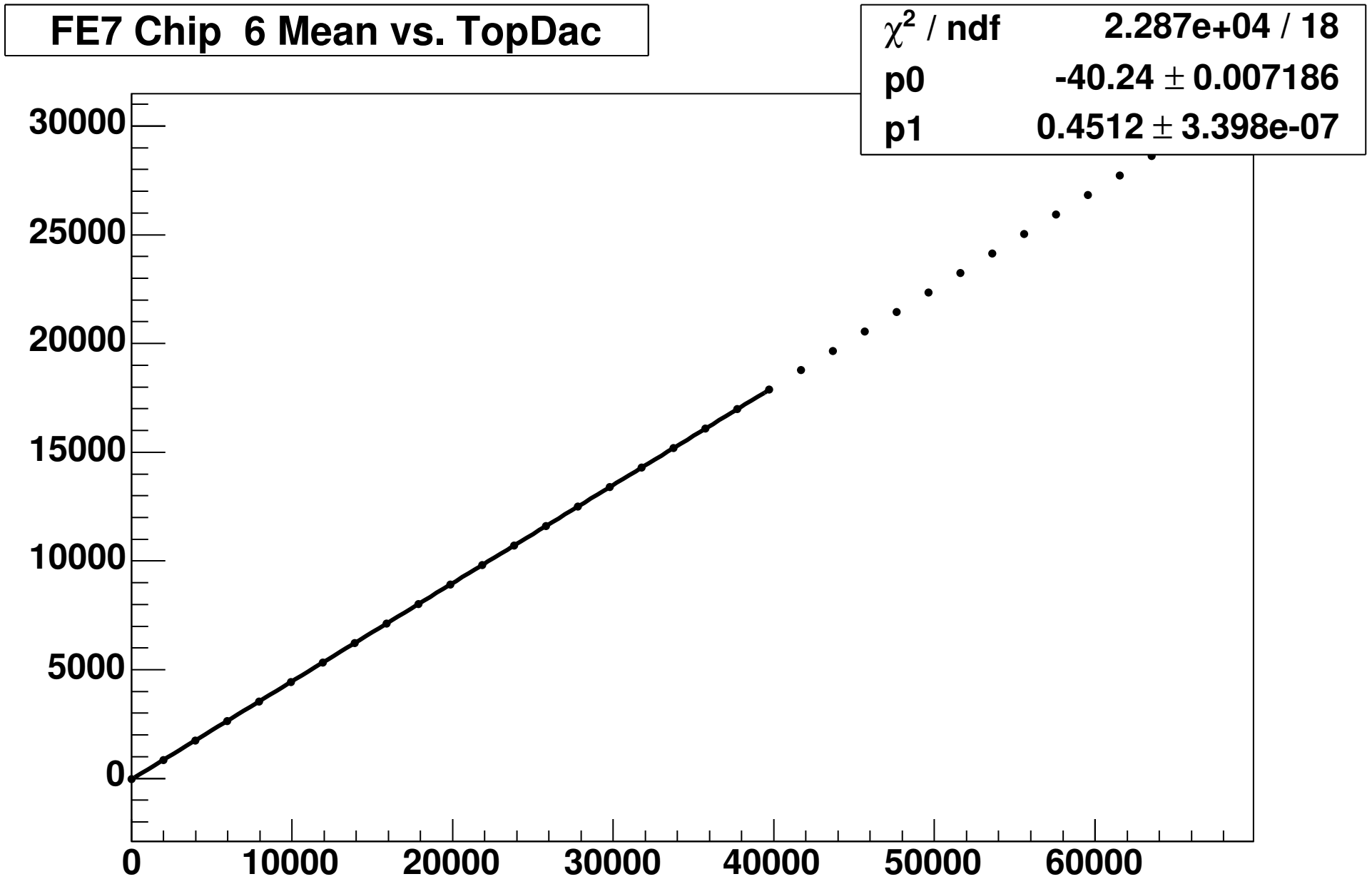
FE7 Chip 6 Mean vs. TopDac
χ² / ndf 2.287e+04 / 18
p0 -40.24 ± 0.007186
p1 0.4512 ± 3.398e-07
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25000
20000
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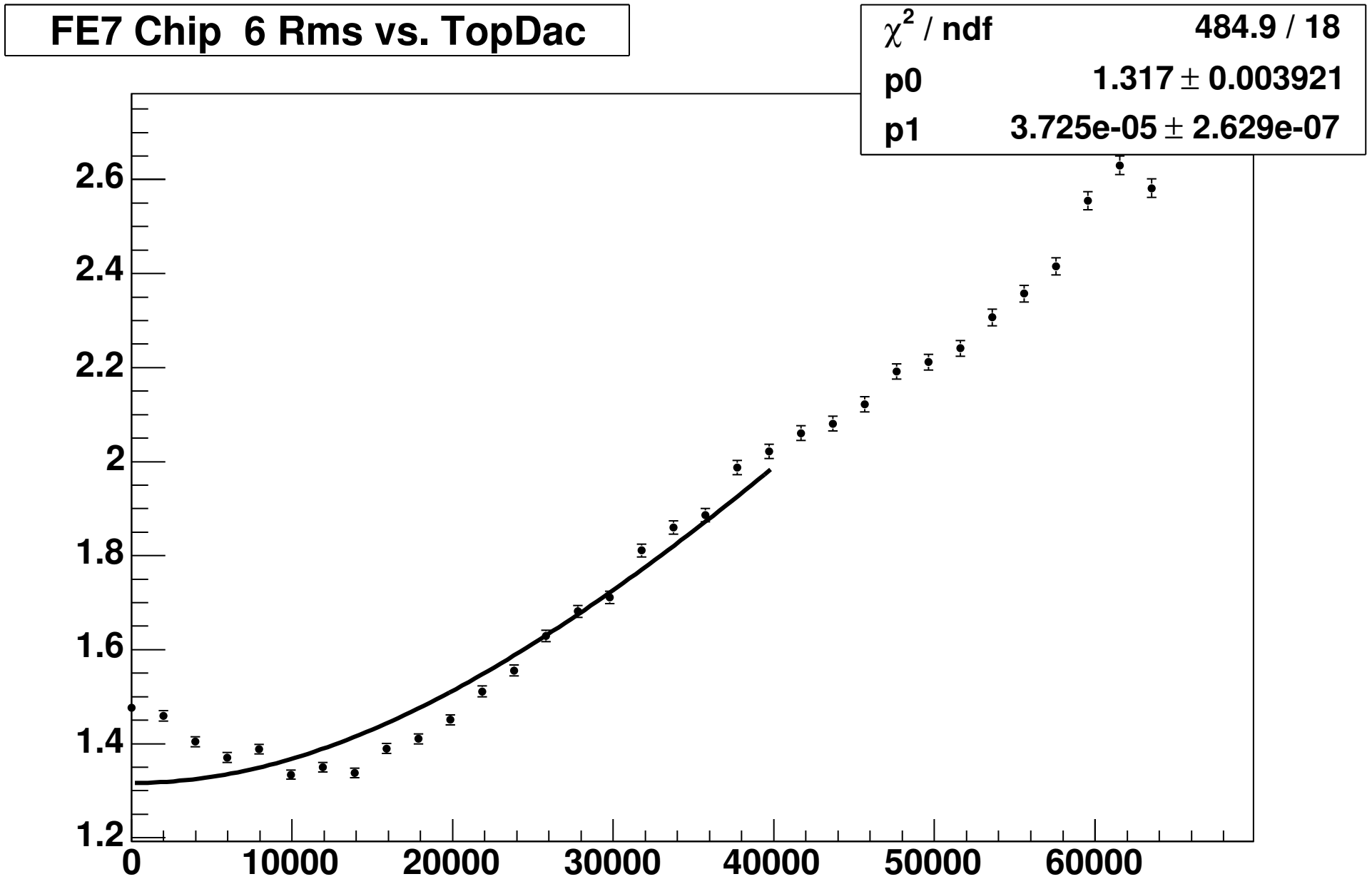
0
10000
20000
30000
40000
50000
60000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 484.9 / 18
p0 1.317 ± 0.003921
p1 3.725e-05 ± 2.629e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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10000
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30000
40000
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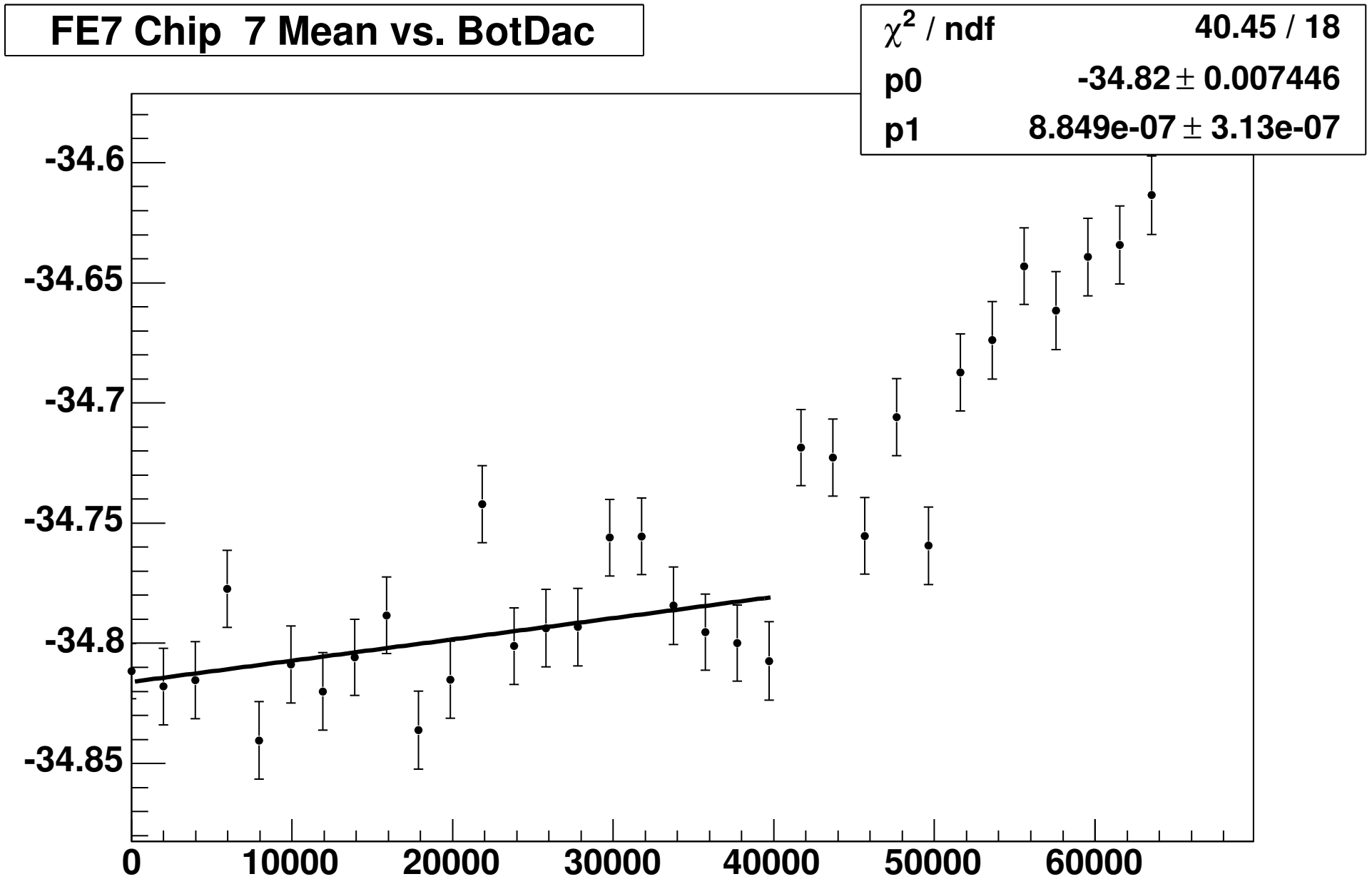
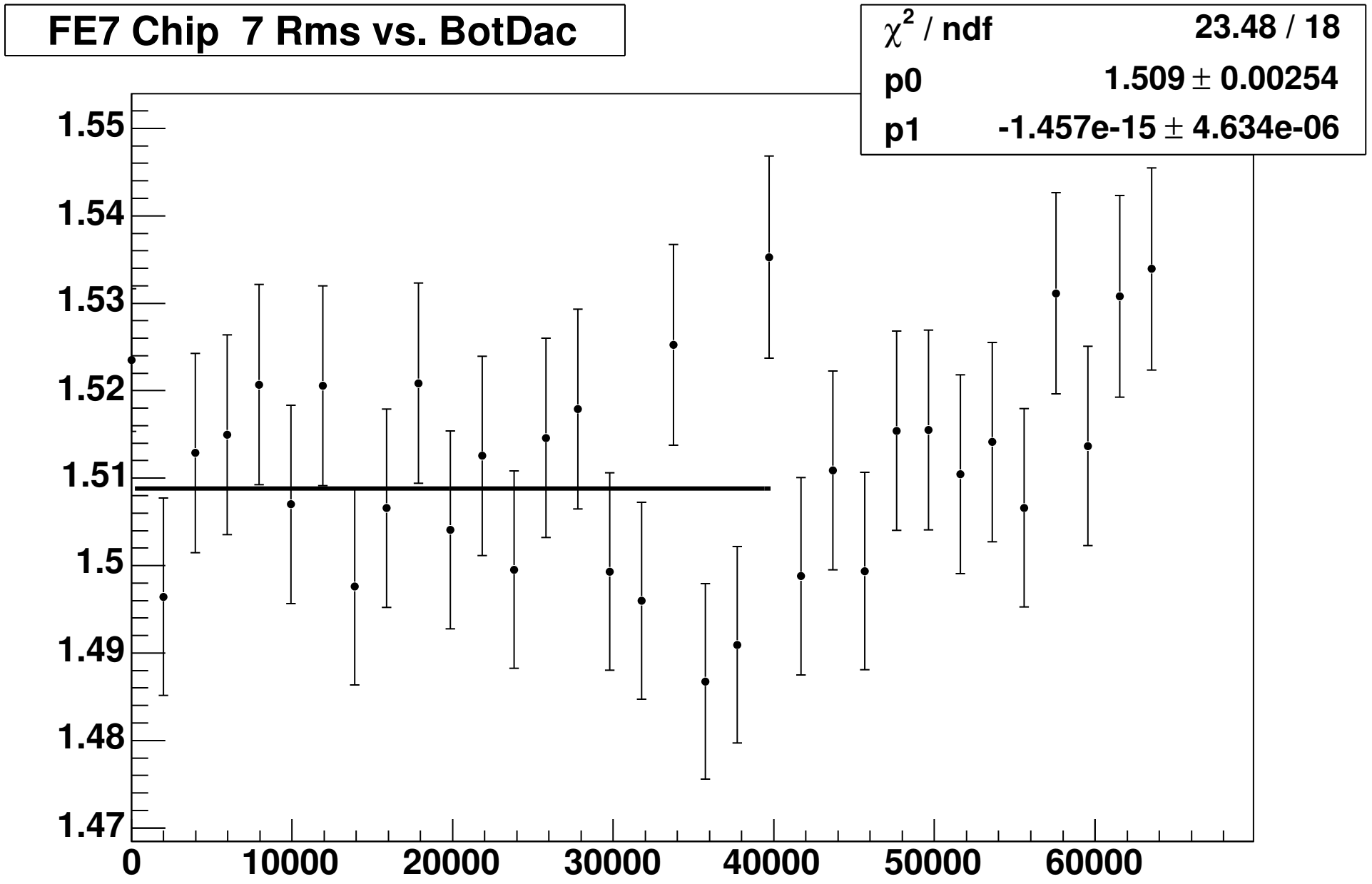
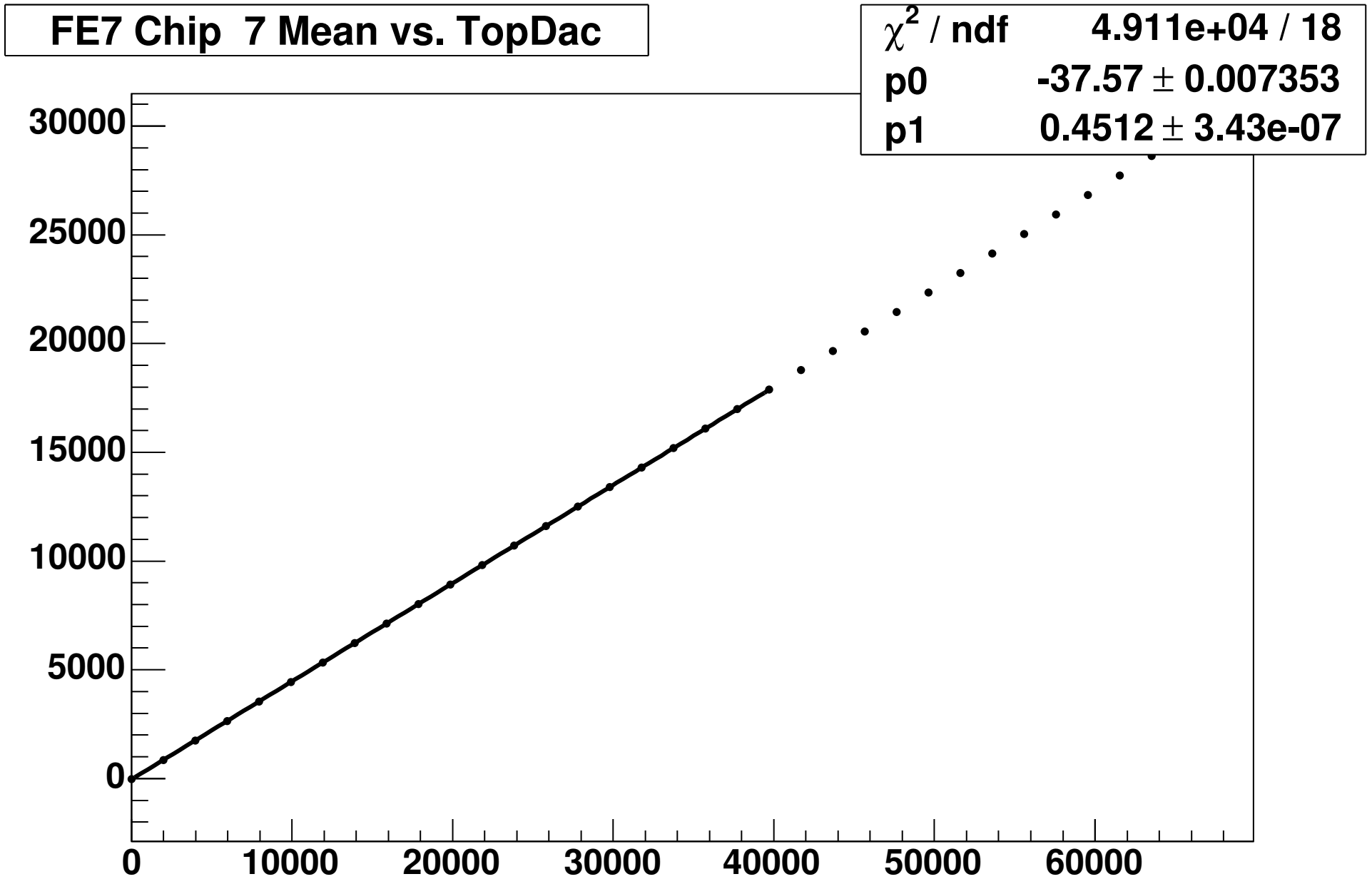
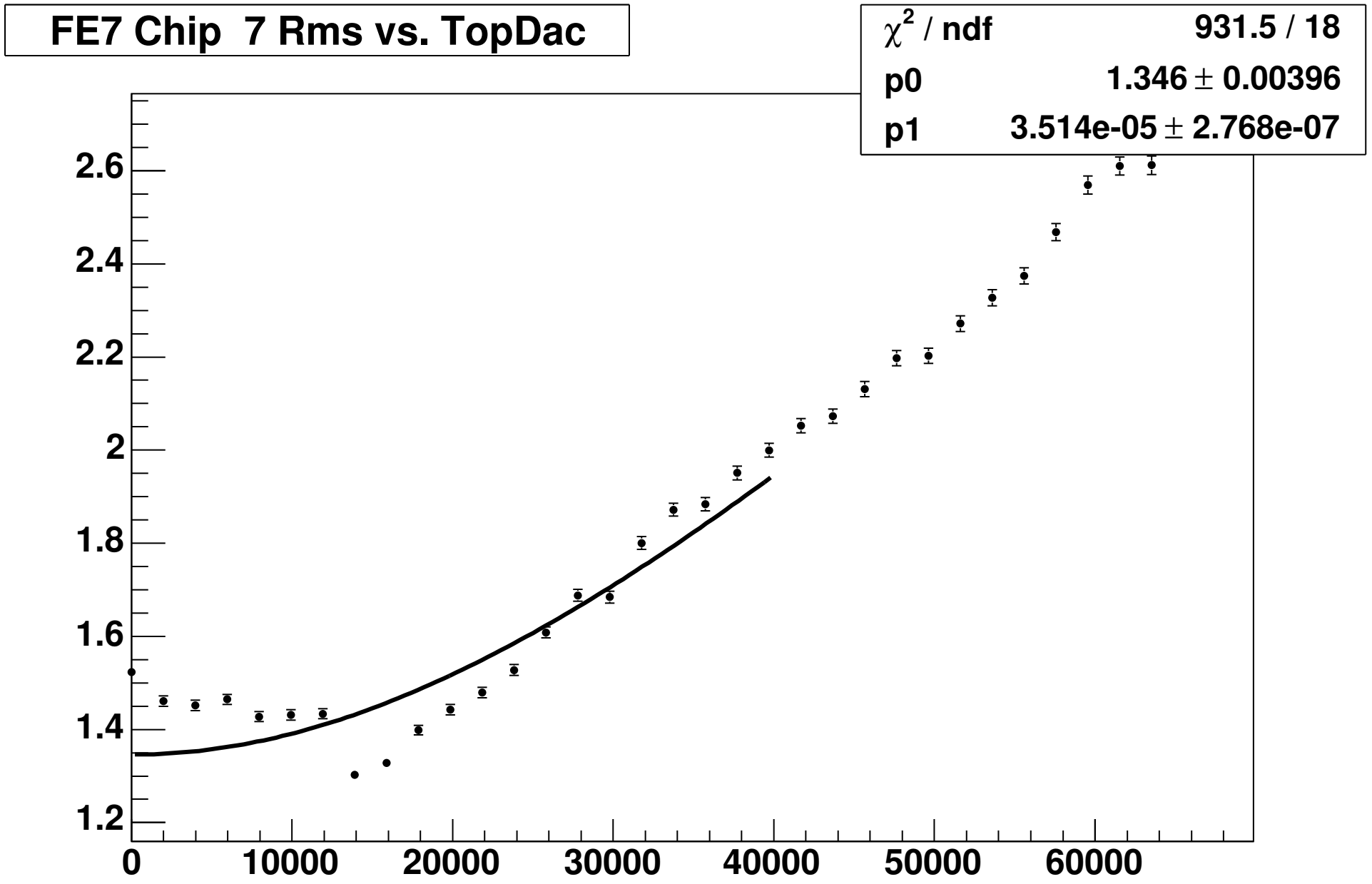
60000


FE7 Chip 7 Mean vs. BotDac
χ² / ndf 40.45 / 18
p0 -34.82 ± 0.007446
p1 8.849e-07 ± 3.13e-07
-34.6
-34.65
-34.7
-34.75
-34.8
-34.85
0
10000
20000
30000
40000
50000
60000


FE7 Chip 7 Rms vs. BotDac
χ² / ndf 23.48 / 18
p0 1.509 ± 0.00254
p1 -1.457e-15 ± 4.634e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE7 Chip 7 Mean vs. TopDac
χ² / ndf 4.911e+04 / 18
p0 -37.57 ± 0.007353
p1 0.4512 ± 3.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 7 Rms vs. TopDac
χ² / ndf 931.5 / 18
p0 1.346 ± 0.00396
p1 3.514e-05 ± 2.768e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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30000
40000
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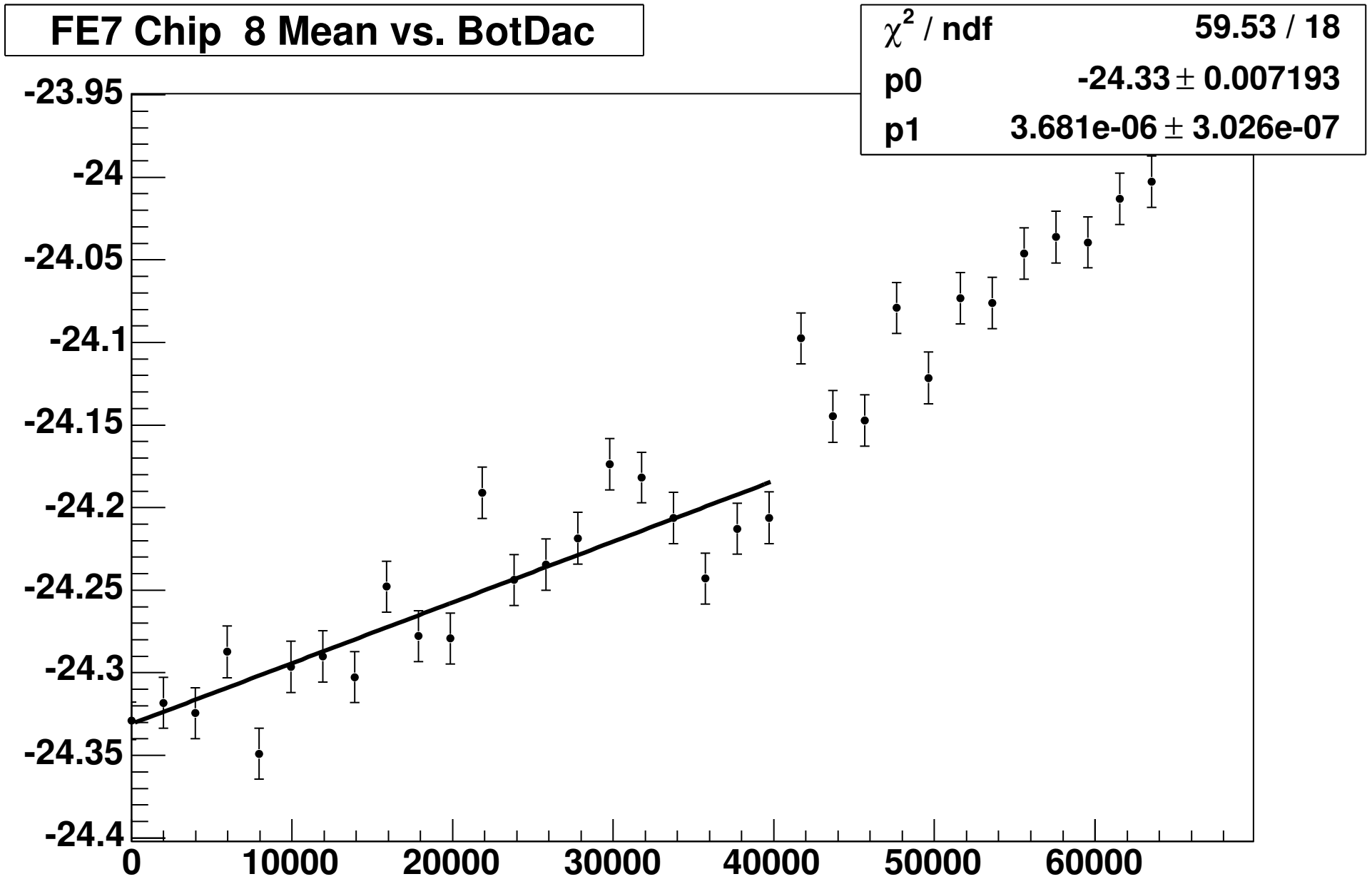
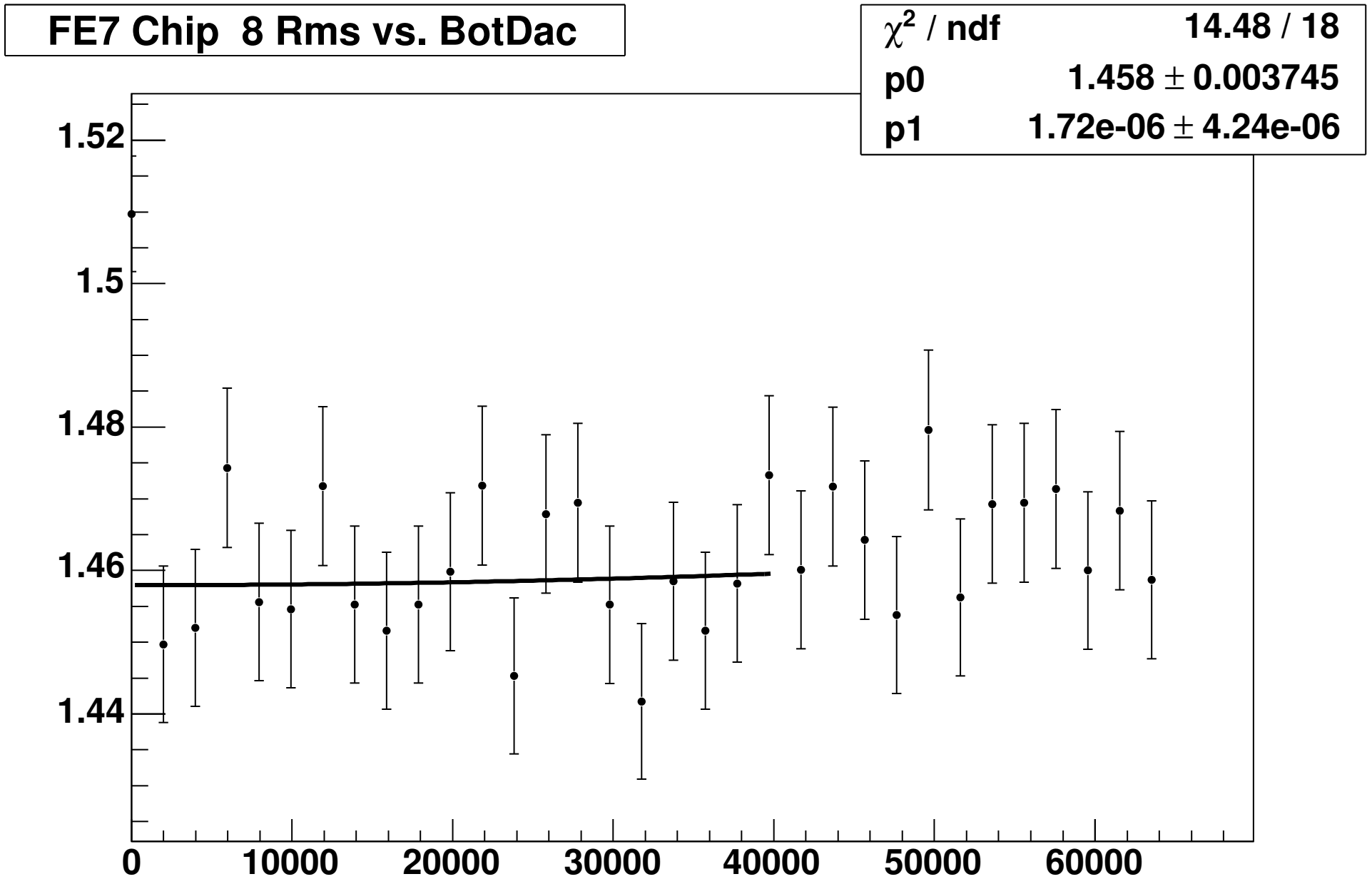
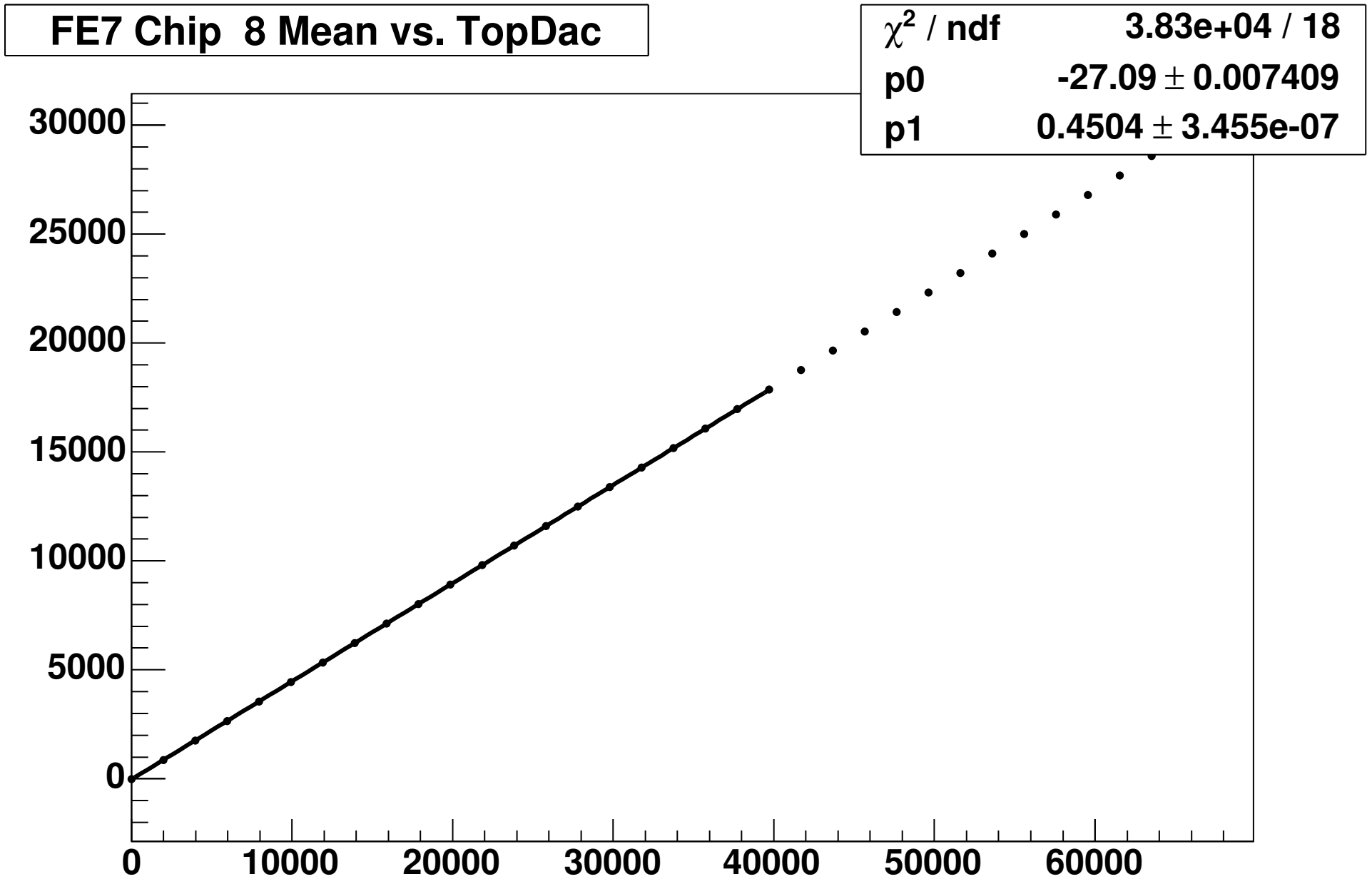

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 59.53 / 18
p0 -24.33 ± 0.007193
p1 3.681e-06 ± 3.026e-07
-23.95
-24
-24.05
-24.1
-24.15
-24.2
-24.25
-24.3
-24.35
-24.4
0
10000
20000
30000
40000
50000
60000


FE7 Chip 8 Rms vs. BotDac
χ² / ndf 14.48 / 18
p0 1.458 ± 0.003745
p1 1.72e-06 ± 4.24e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE7 Chip 8 Mean vs. TopDac
χ² / ndf 3.83e+04 / 18
p0 -27.09 ± 0.007409
p1 0.4504 ± 3.455e-07
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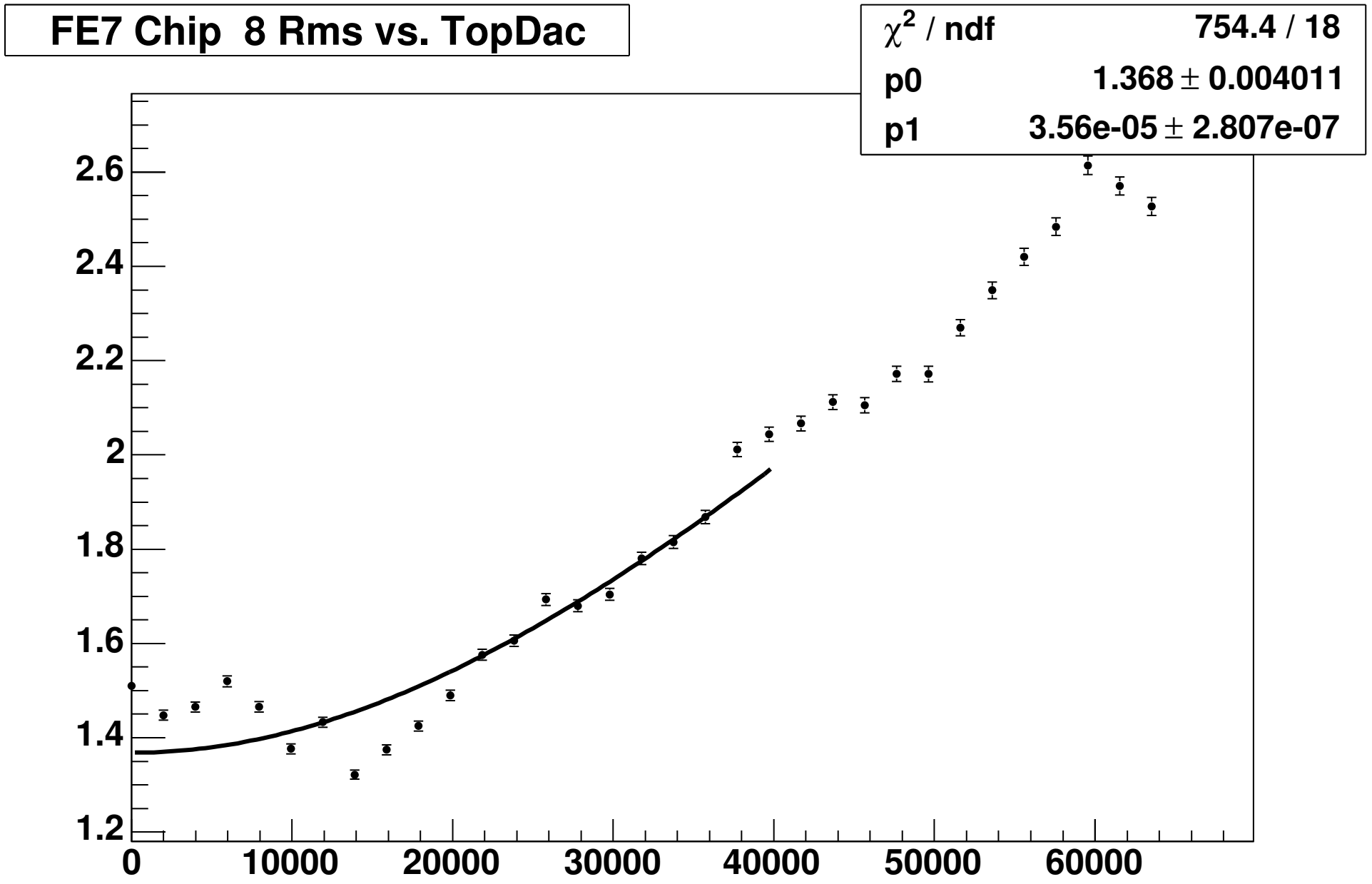
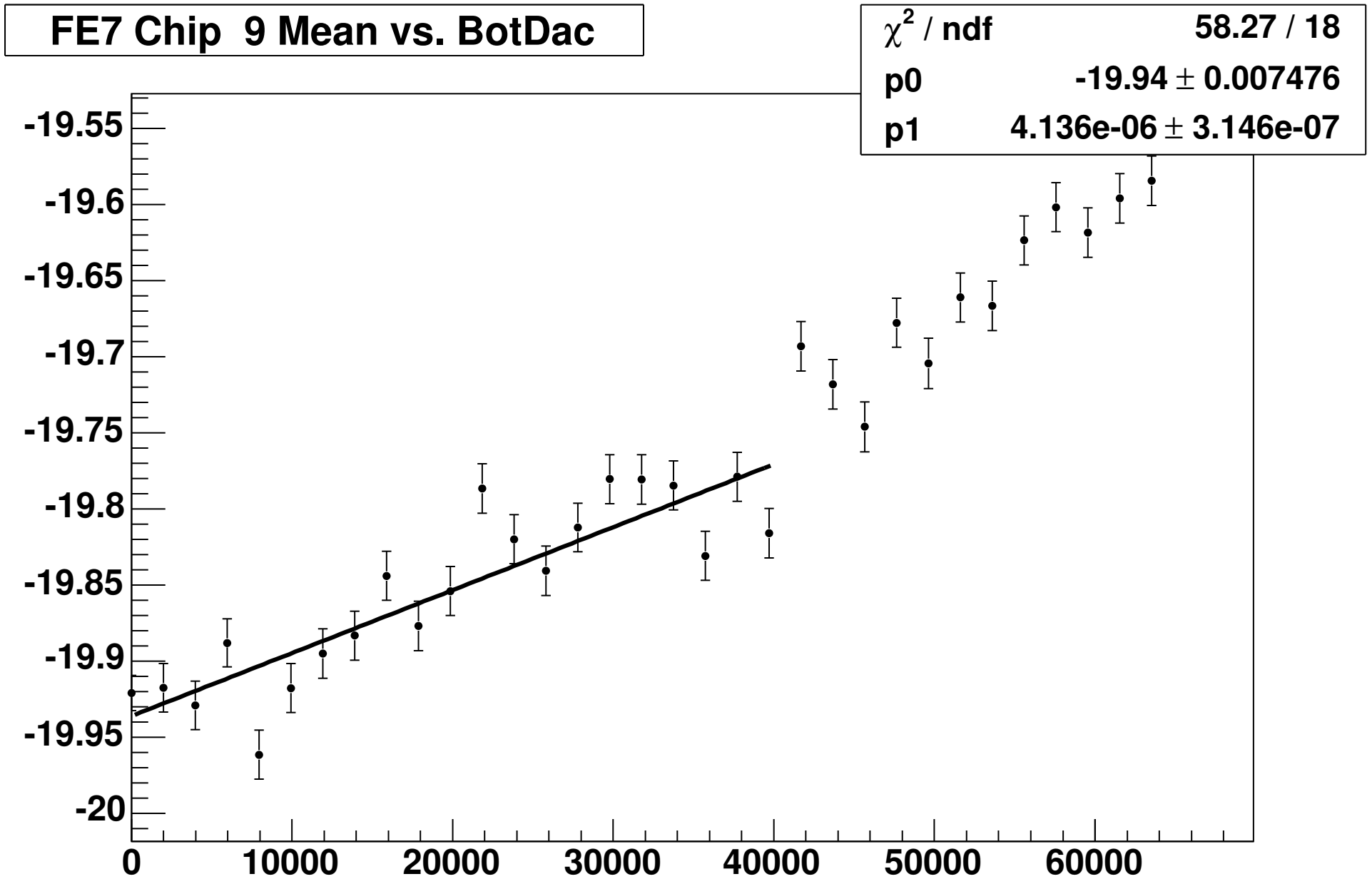
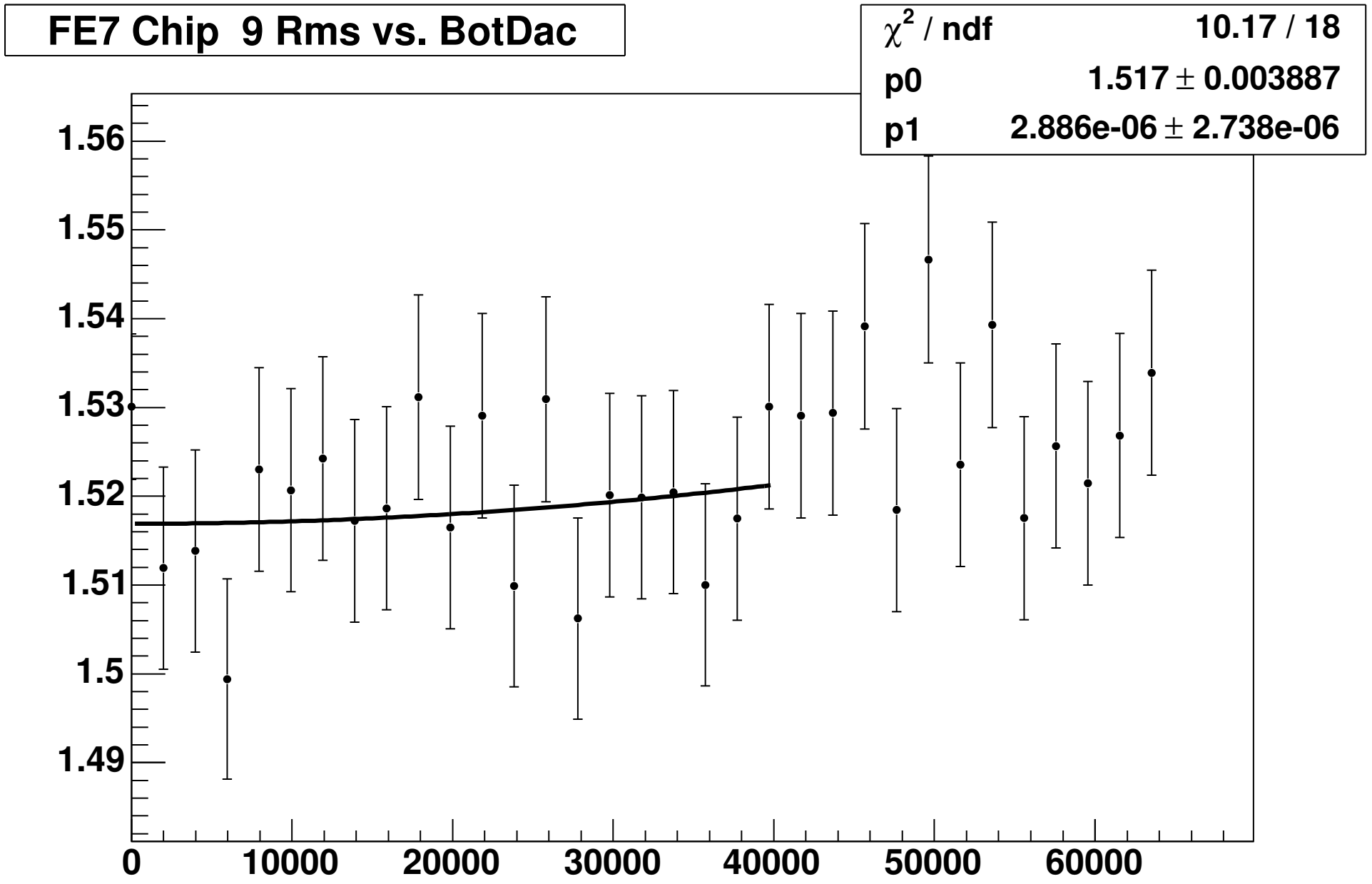
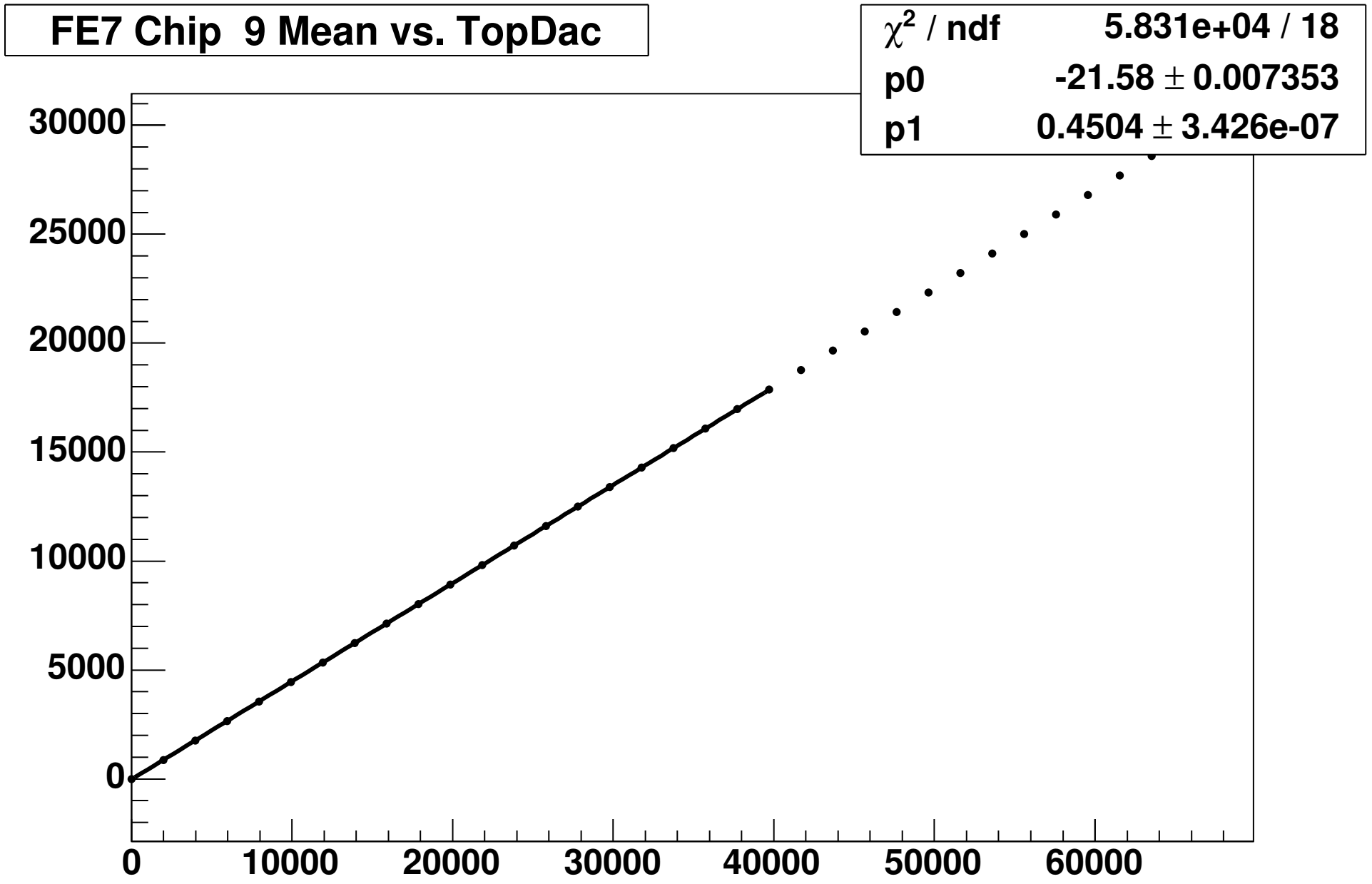
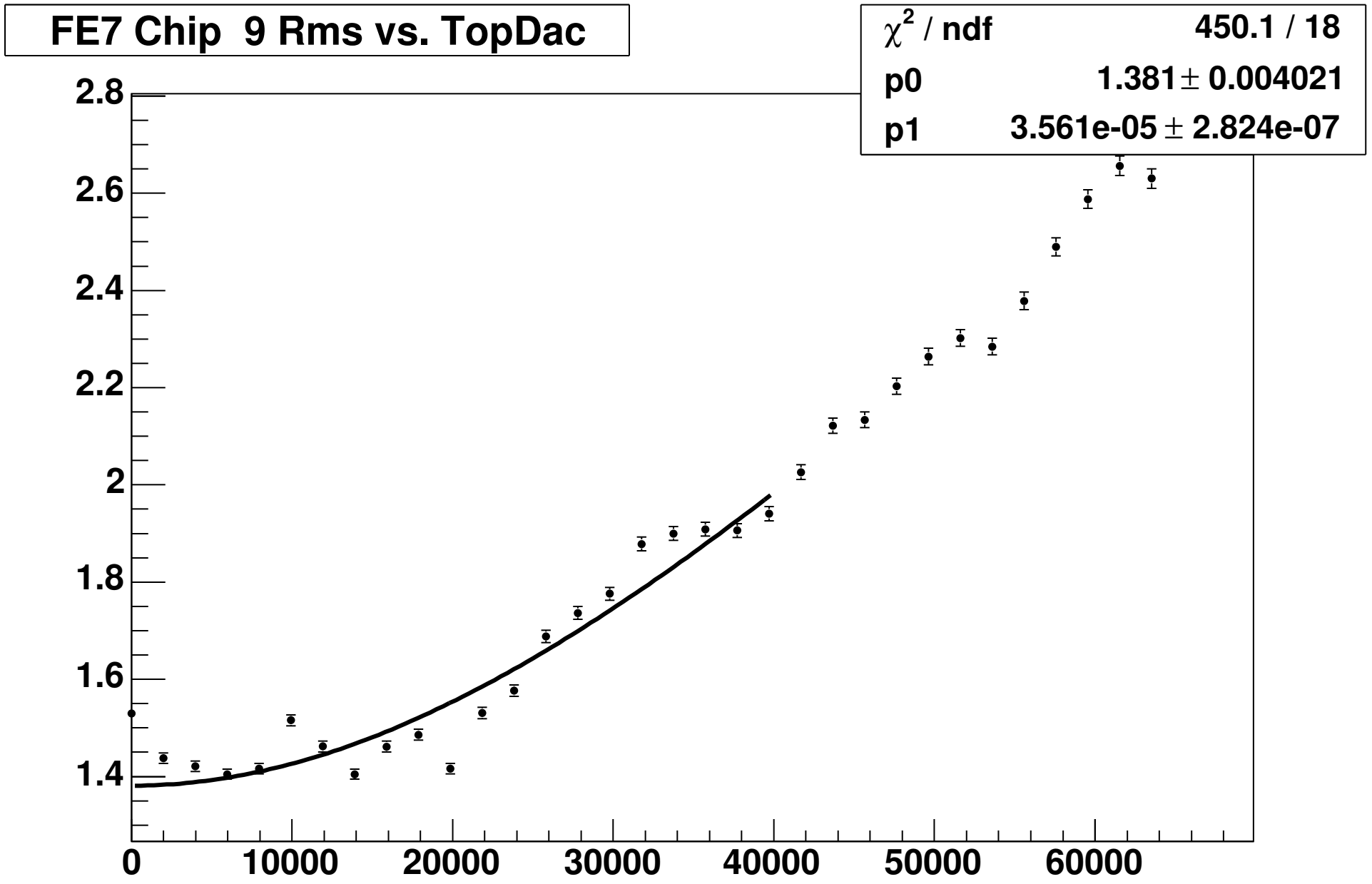
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

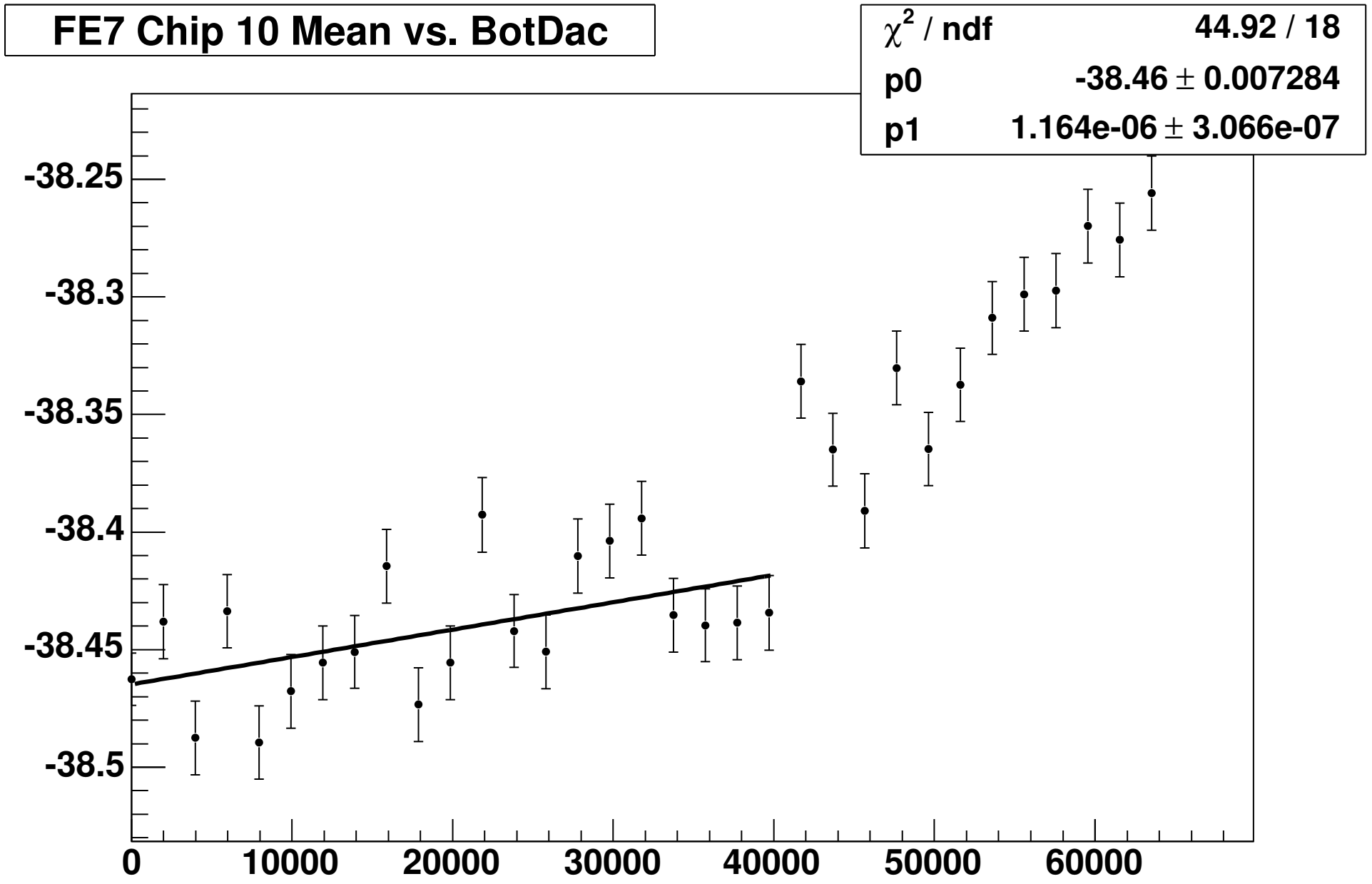

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 754.4 / 18
p0 1.368 ± 0.004011
p1 3.56e-05 ± 2.807e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000

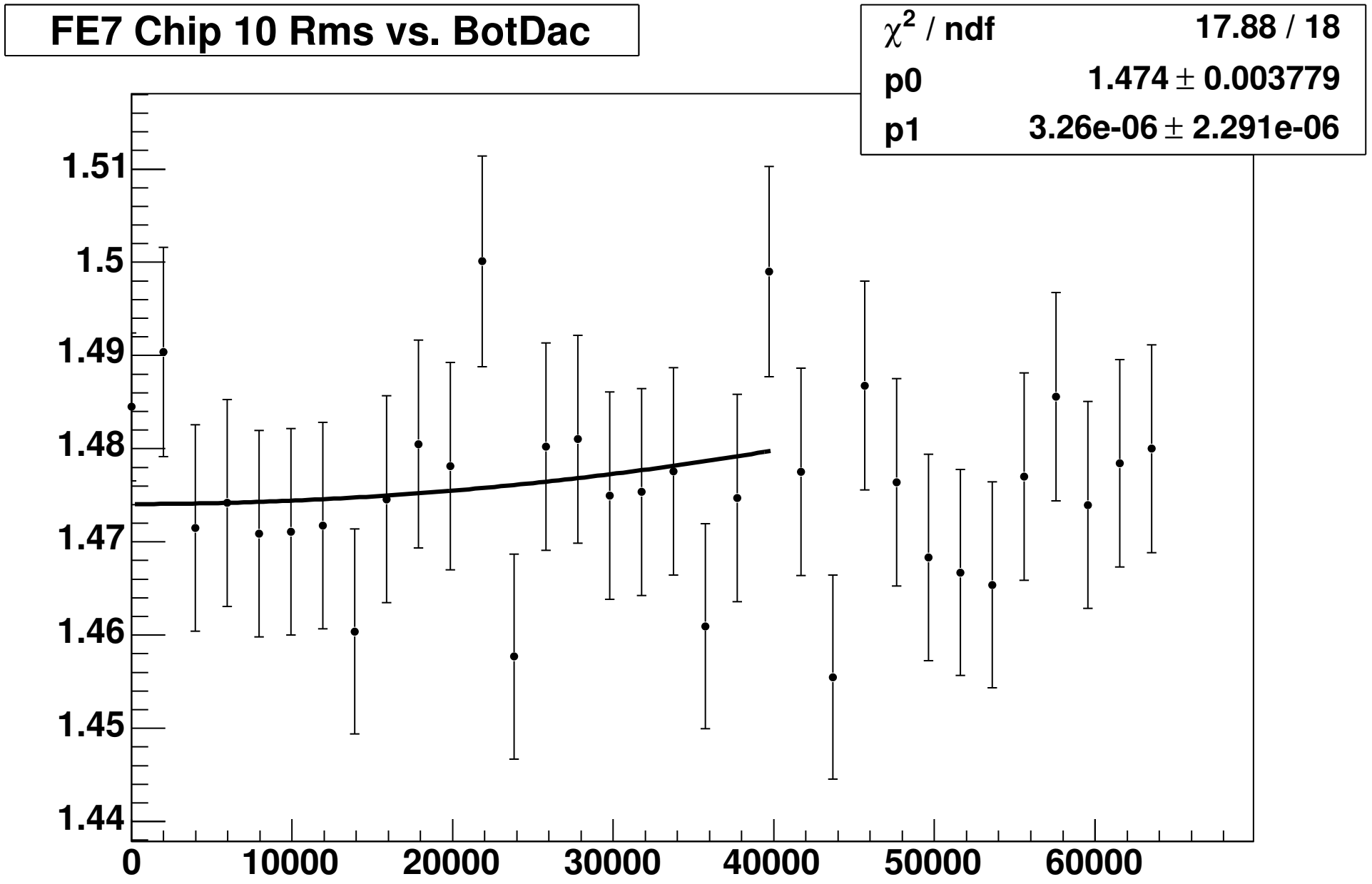

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 58.27 / 18
p0 -19.94 ± 0.007476
p1 4.136e-06 ± 3.146e-07
-19.55
-19.6
-19.65
-19.7
-19.75
-19.8
-19.85
-19.9
-19.95
-20
0
10000
20000
30000
40000
50000
60000

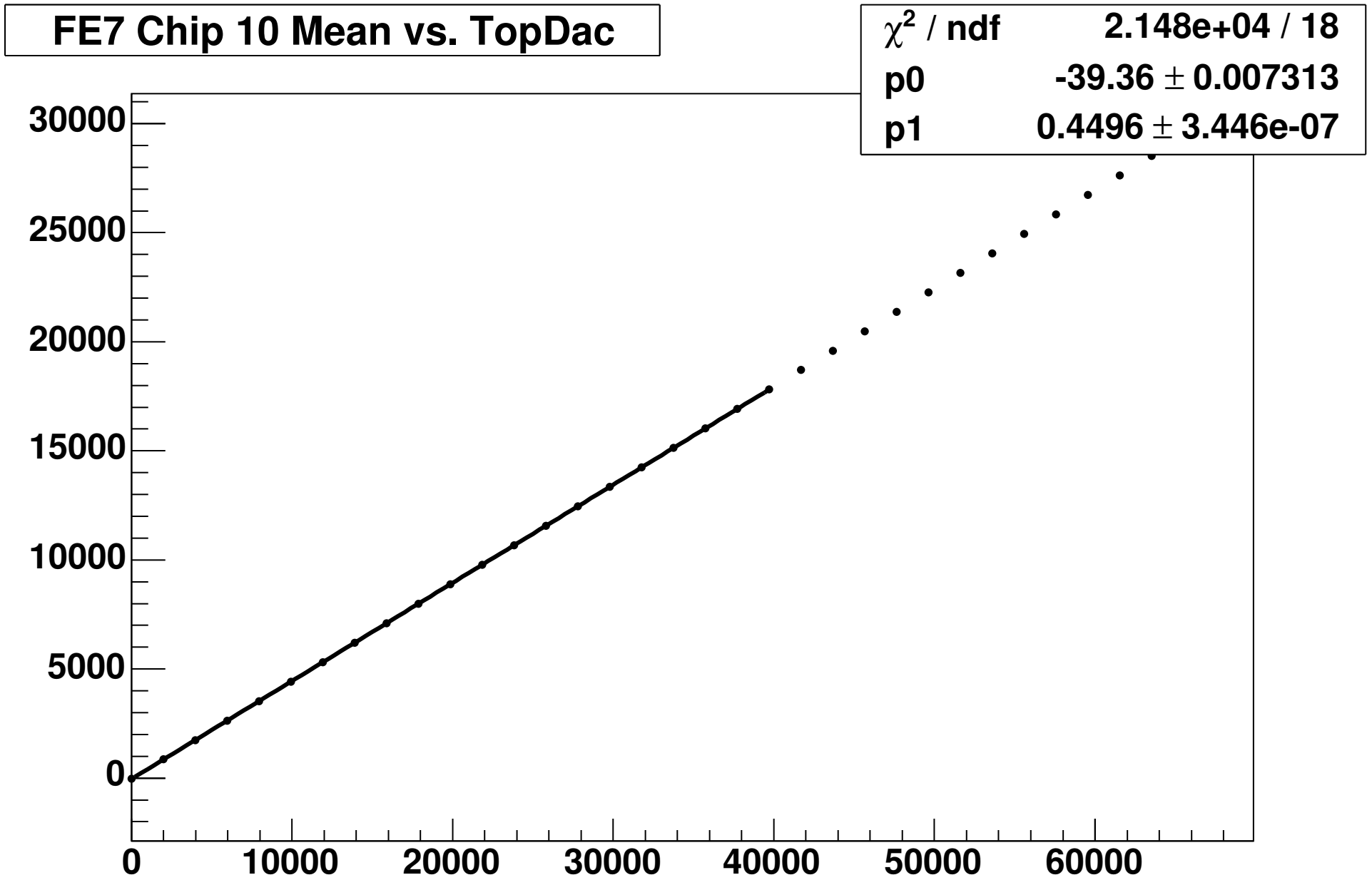

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 10.17 / 18
p0 1.517 ± 0.003887
p1 2.886e-06 ± 2.738e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000

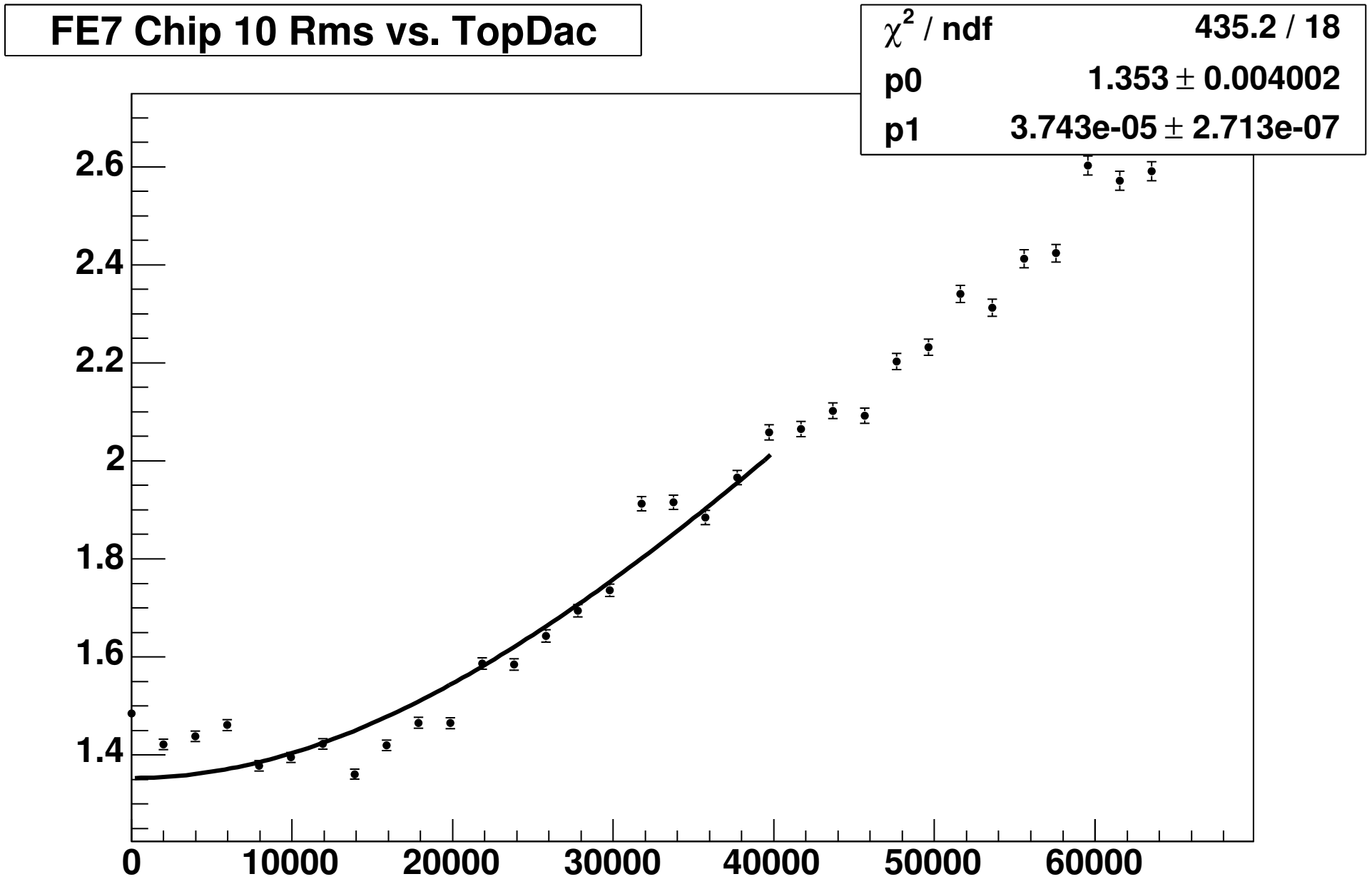

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 5.831e+04 / 18
p0 -21.58 ± 0.007353
p1 0.4504 ± 3.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

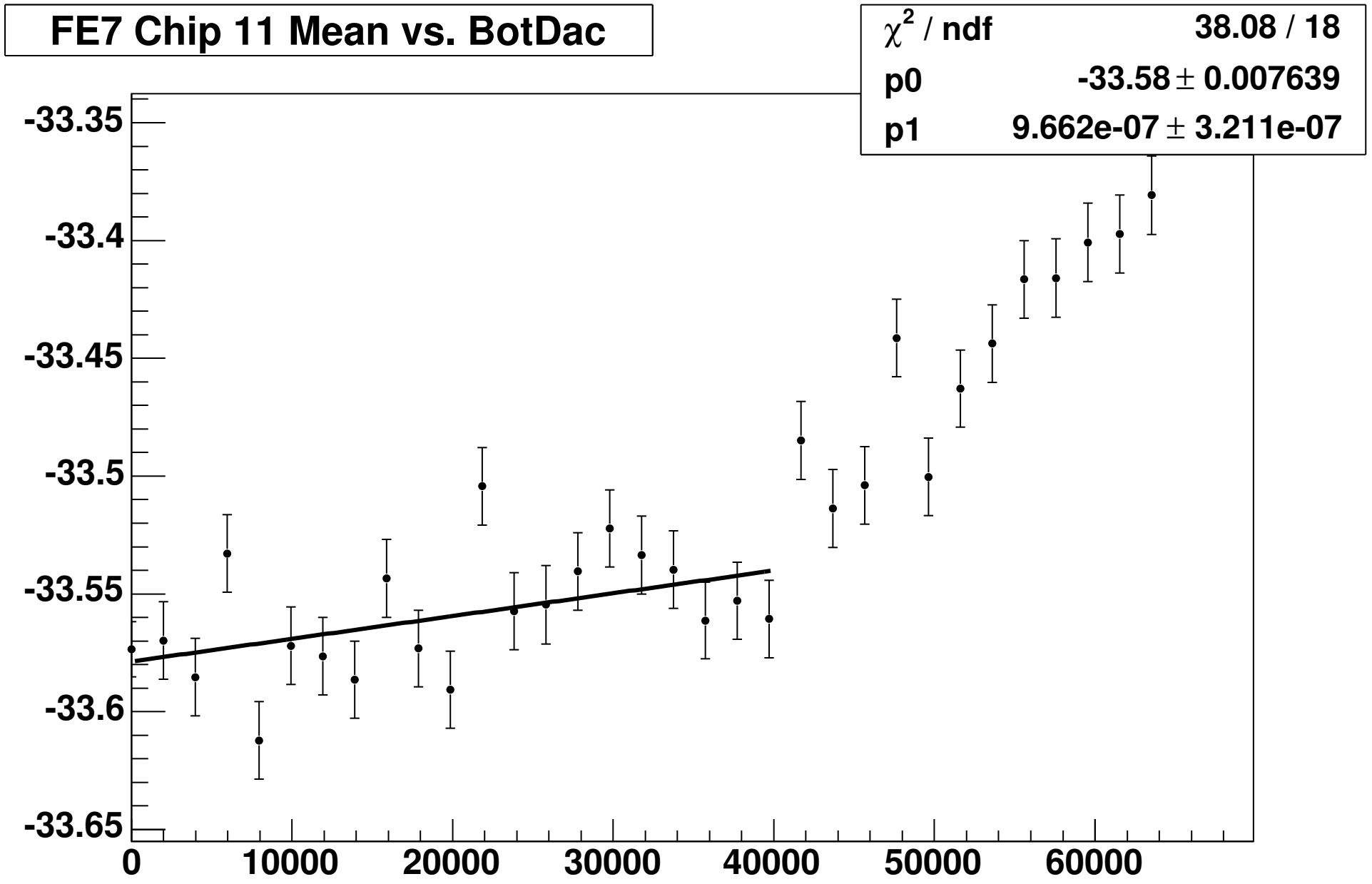

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 450.1 / 18
p0 1.381 ± 0.004021
p1 3.561e-05 ± 2.824e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

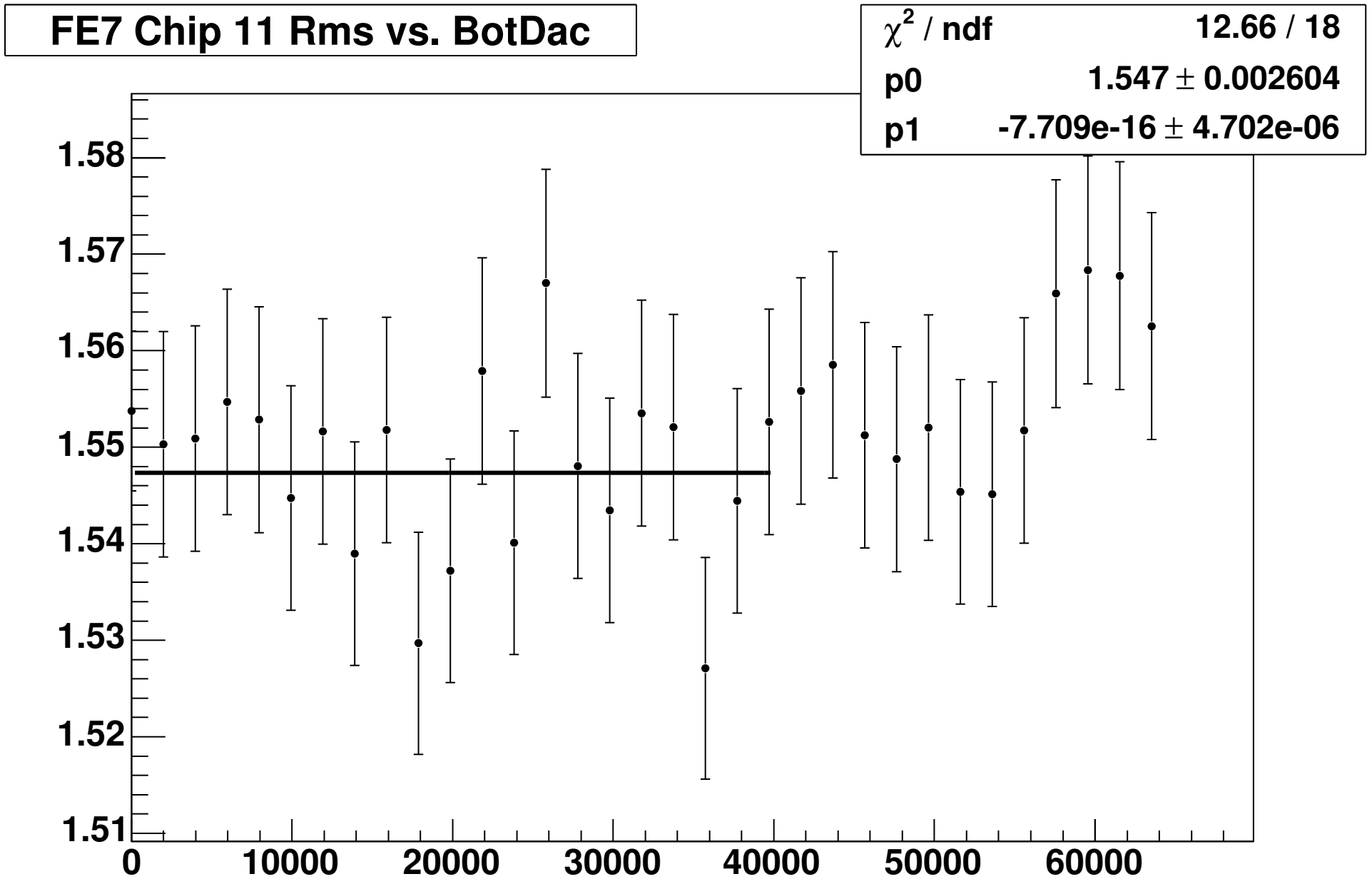

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 44.92 / 18
p0 -38.46 ± 0.007284
p1 1.164e-06 ± 3.066e-07
-38.25
-38.3
-38.35
-38.4
-38.45
-38.5
0
10000
20000
30000
40000
50000
60000

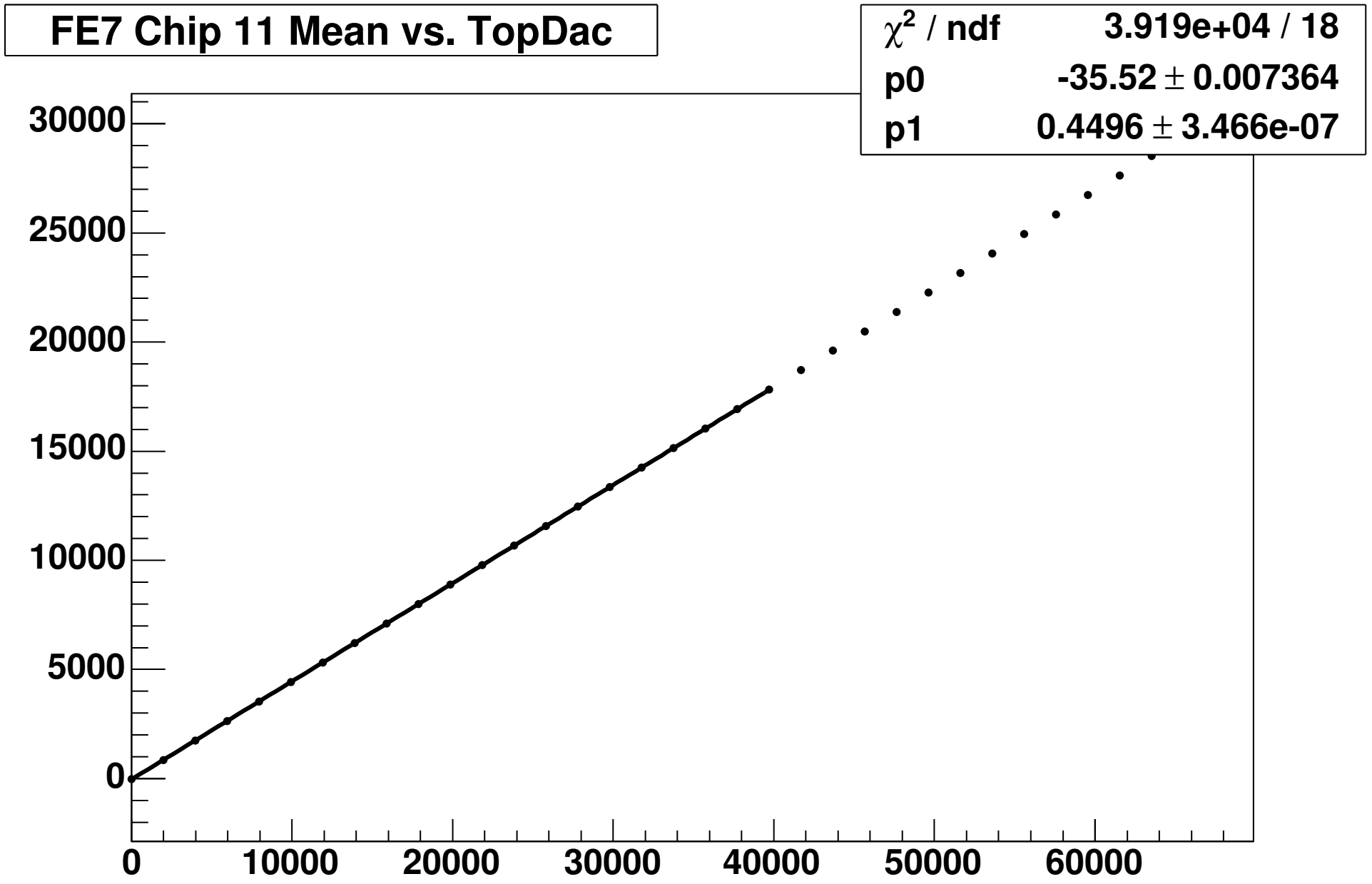

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 17.88 / 18
p0 1.474 ± 0.003779
p1 3.26e-06 ± 2.291e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

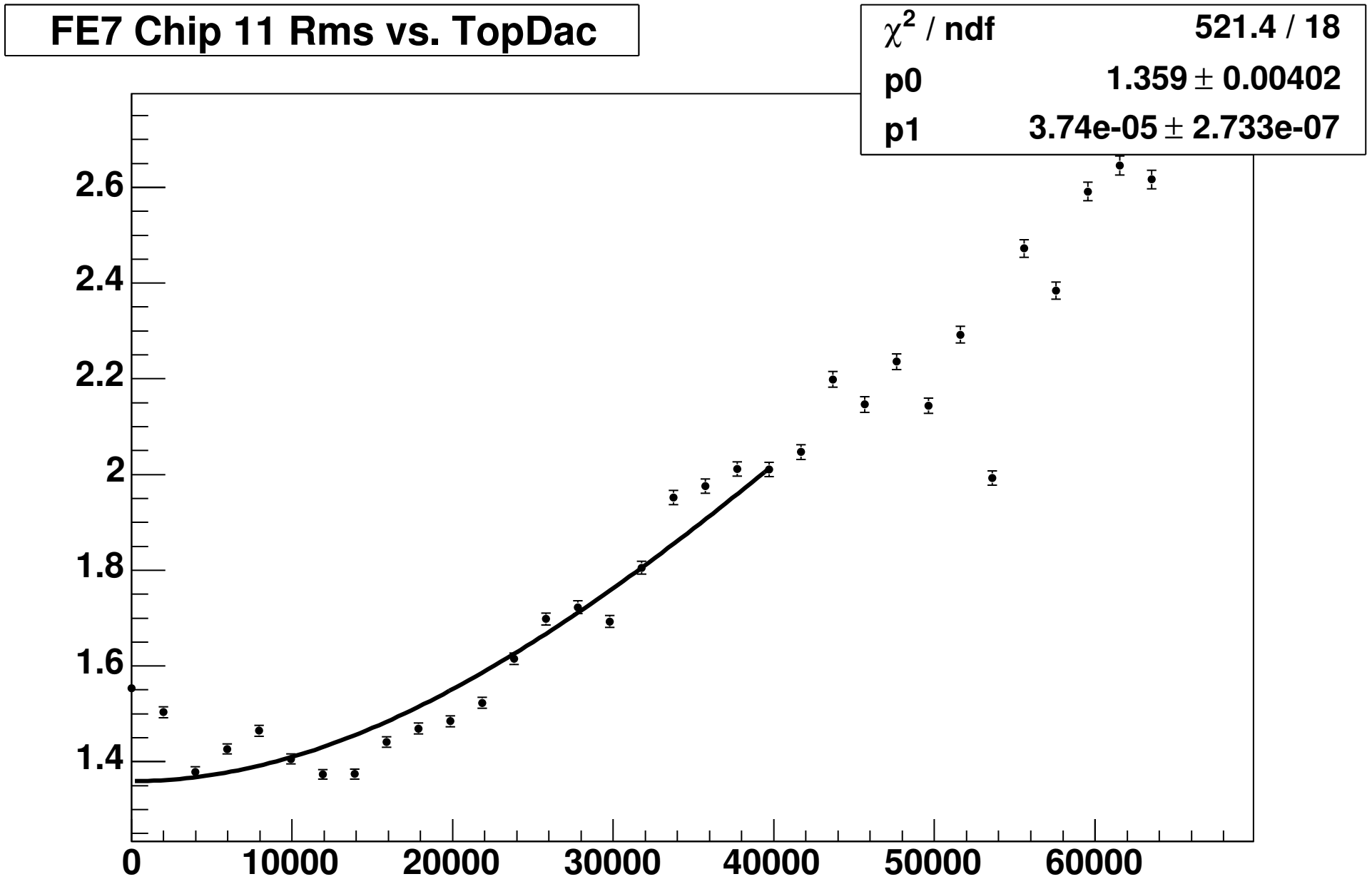

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 2.148e+04 / 18
p0 -39.36 ± 0.007313
p1 0.4496 ± 3.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

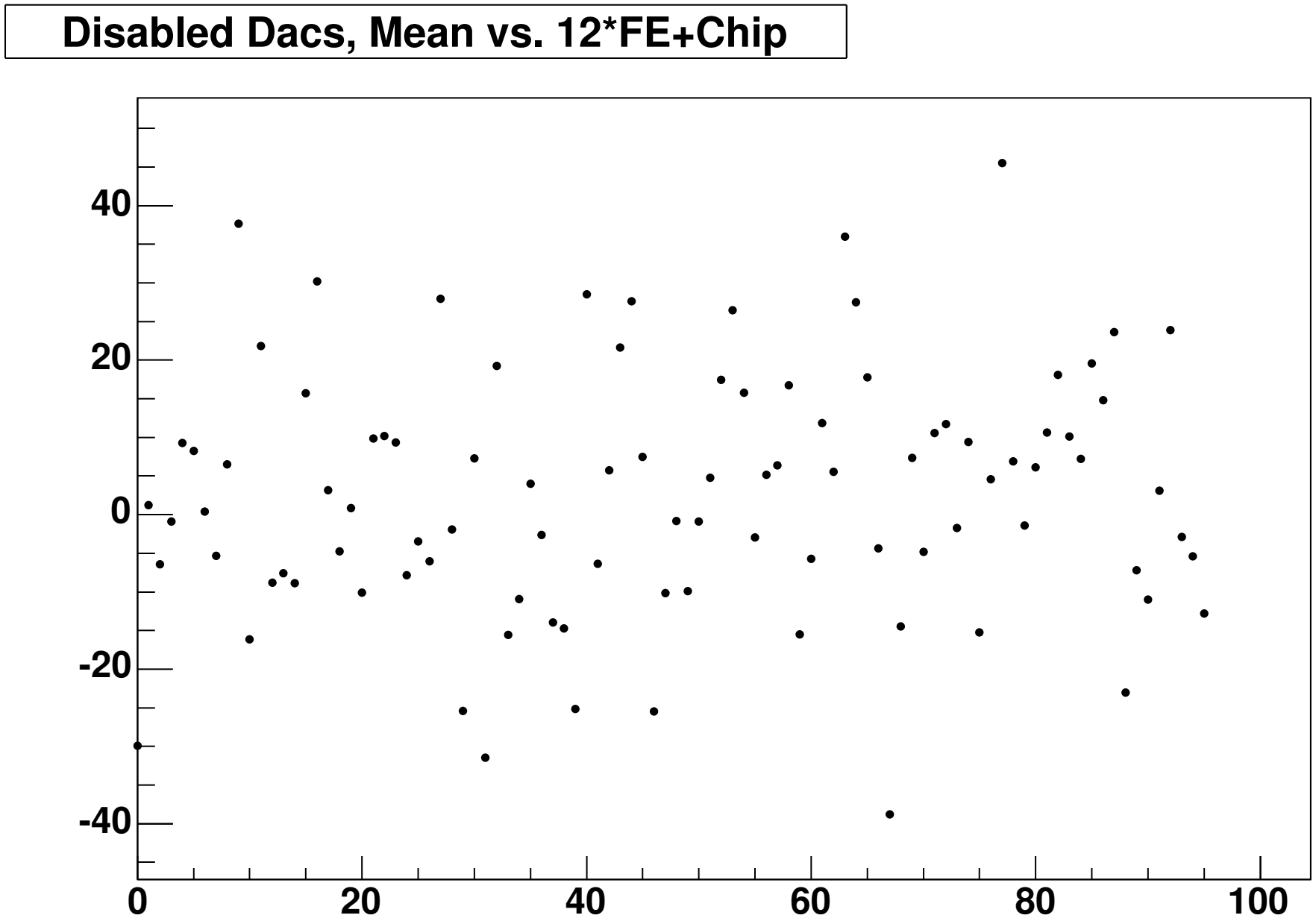

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 435.2 / 18
p0 1.353 ± 0.004002
p1 3.743e-05 ± 2.713e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

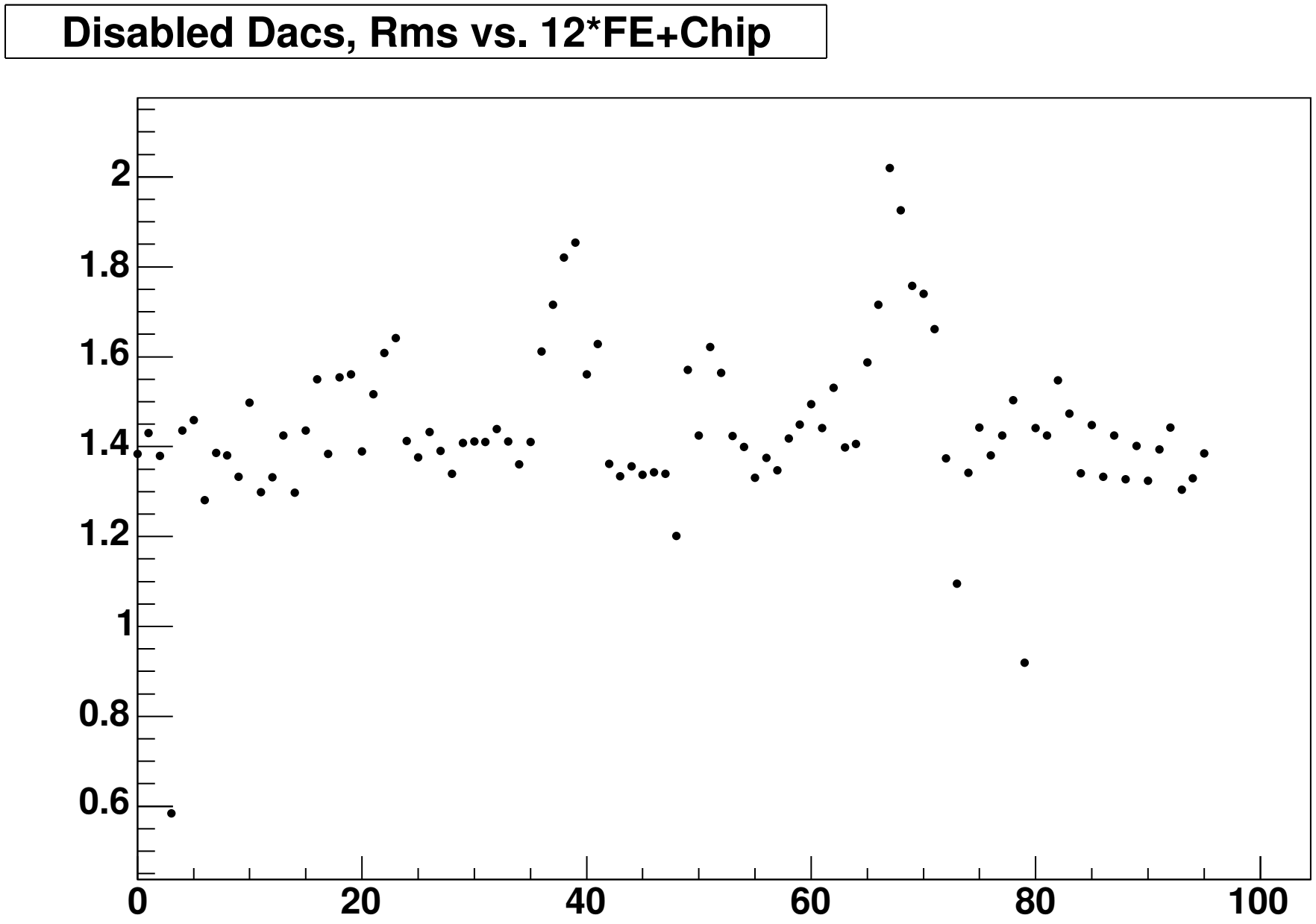

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 38.08 / 18
p0 -33.58 ± 0.007639
p1 9.662e-07 ± 3.211e-07
-33.35
-33.4
-33.45
-33.5
-33.55
-33.6
-33.65
0
10000
20000
30000
40000
50000
60000

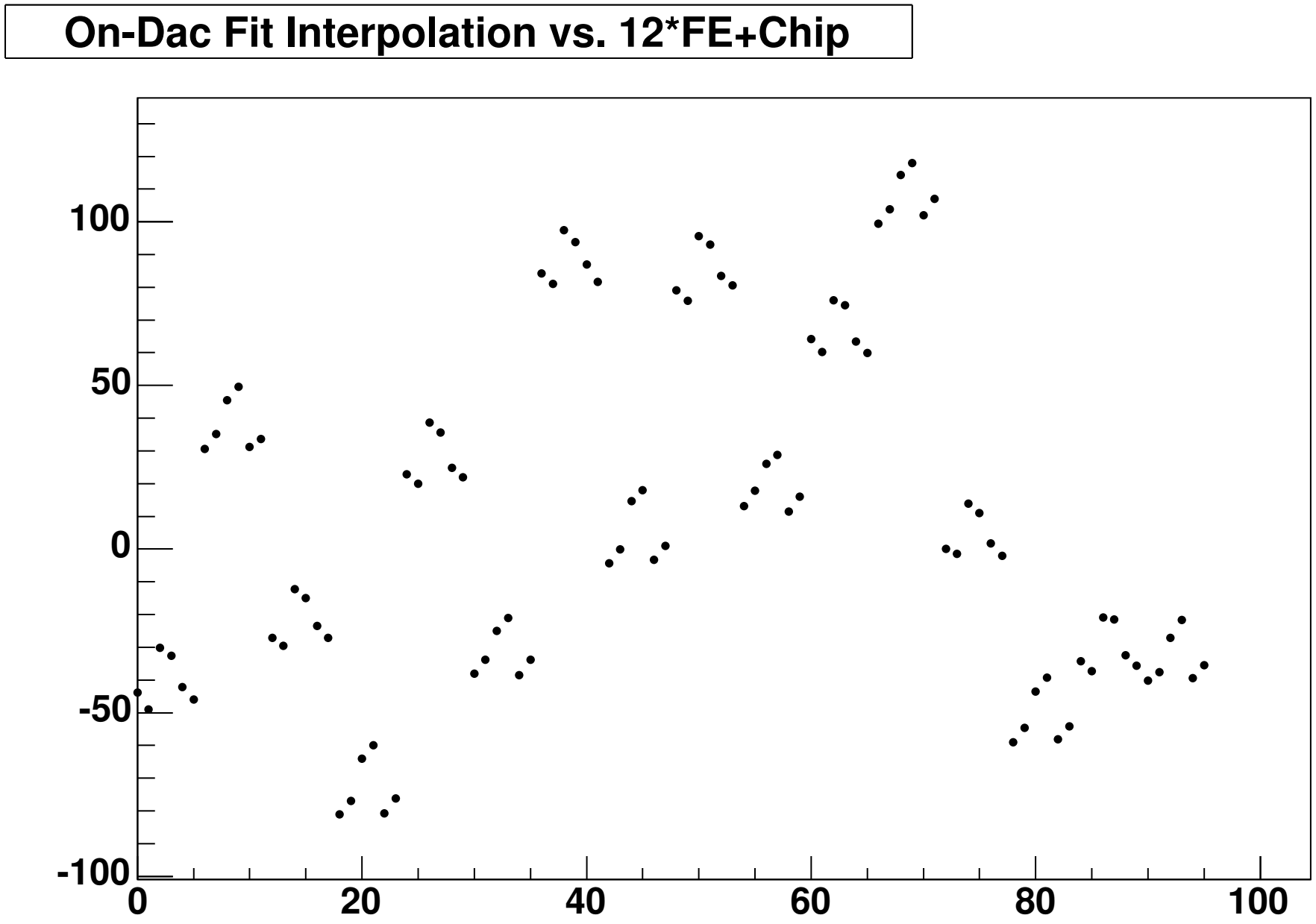

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 12.66 / 18
p0 1.547 ± 0.002604
p1 -7.709e-16 ± 4.702e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000

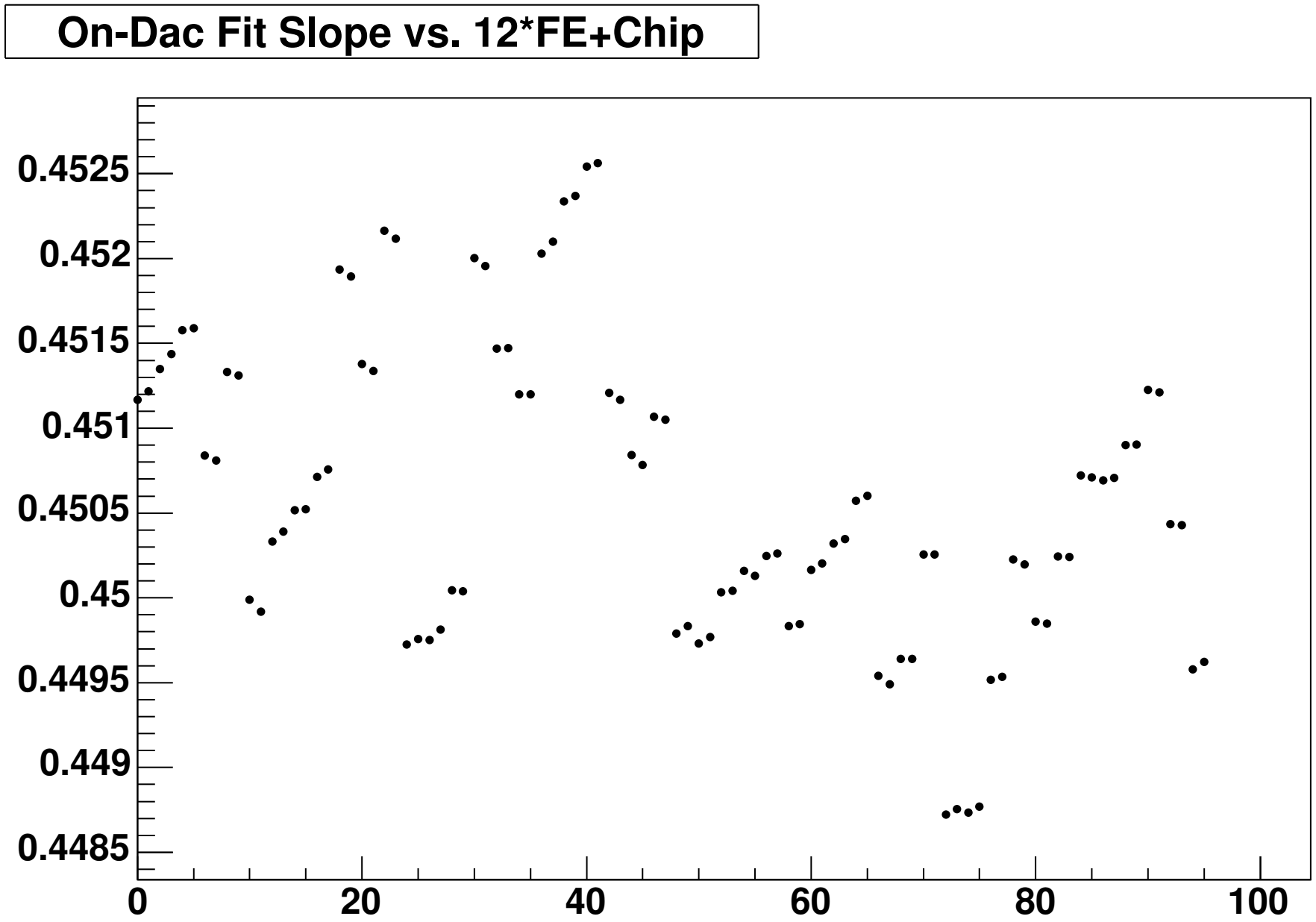

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 3.919e+04 / 18
p0 -35.52 ± 0.007364
p1 0.4496 ± 3.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

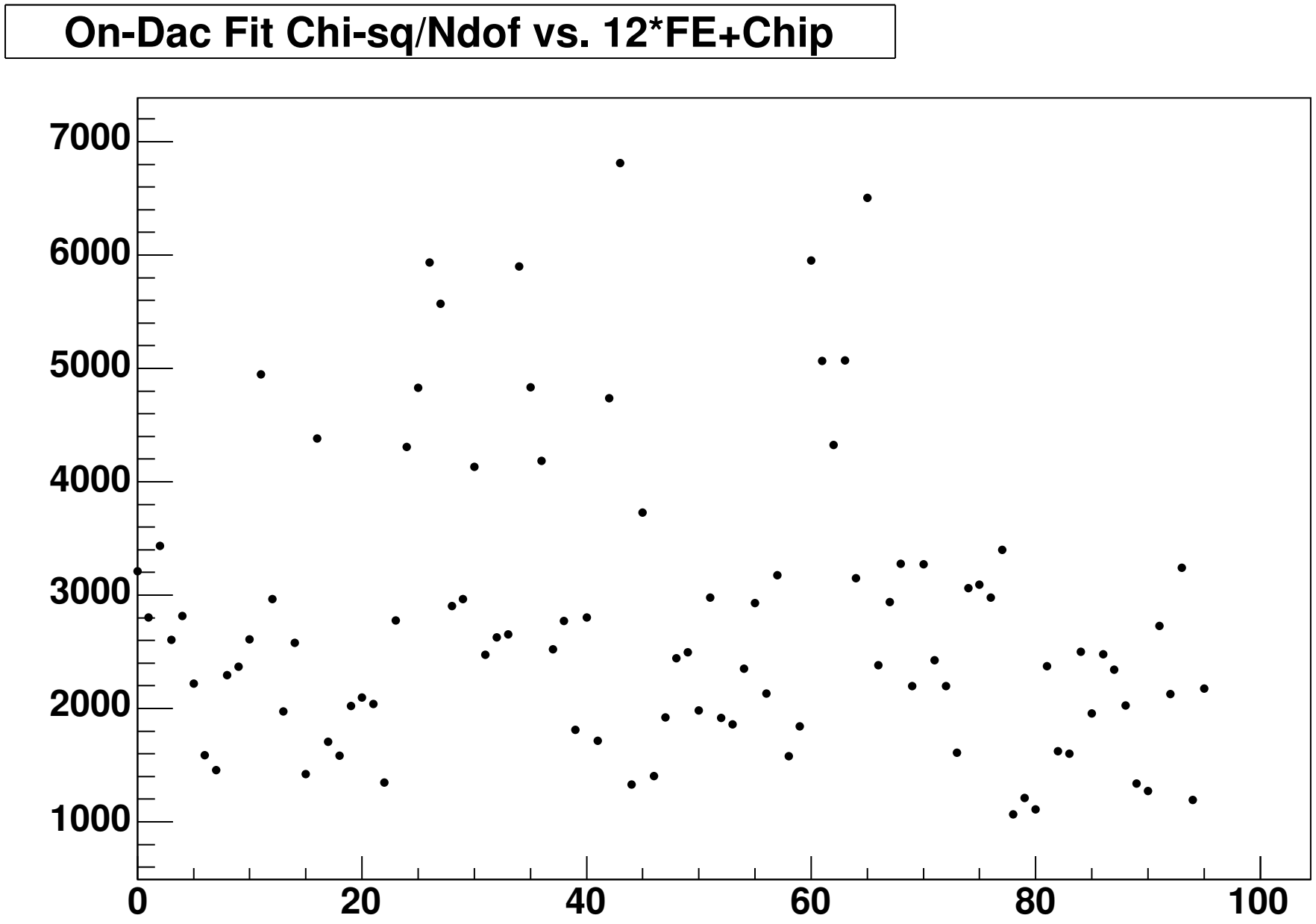

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 521.4 / 18
p0 1.359 ± 0.00402
p1 3.74e-05 ± 2.733e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000

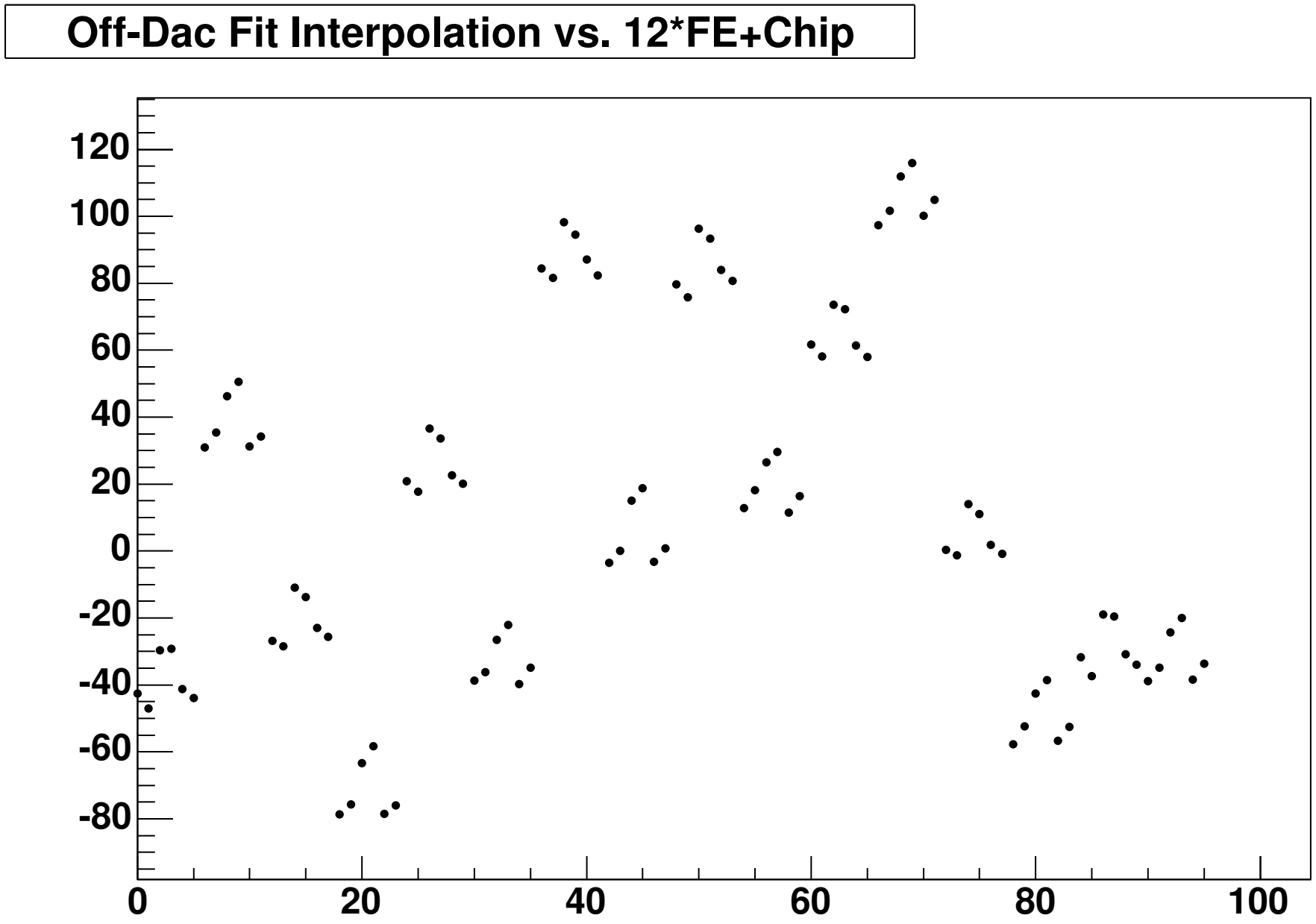

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

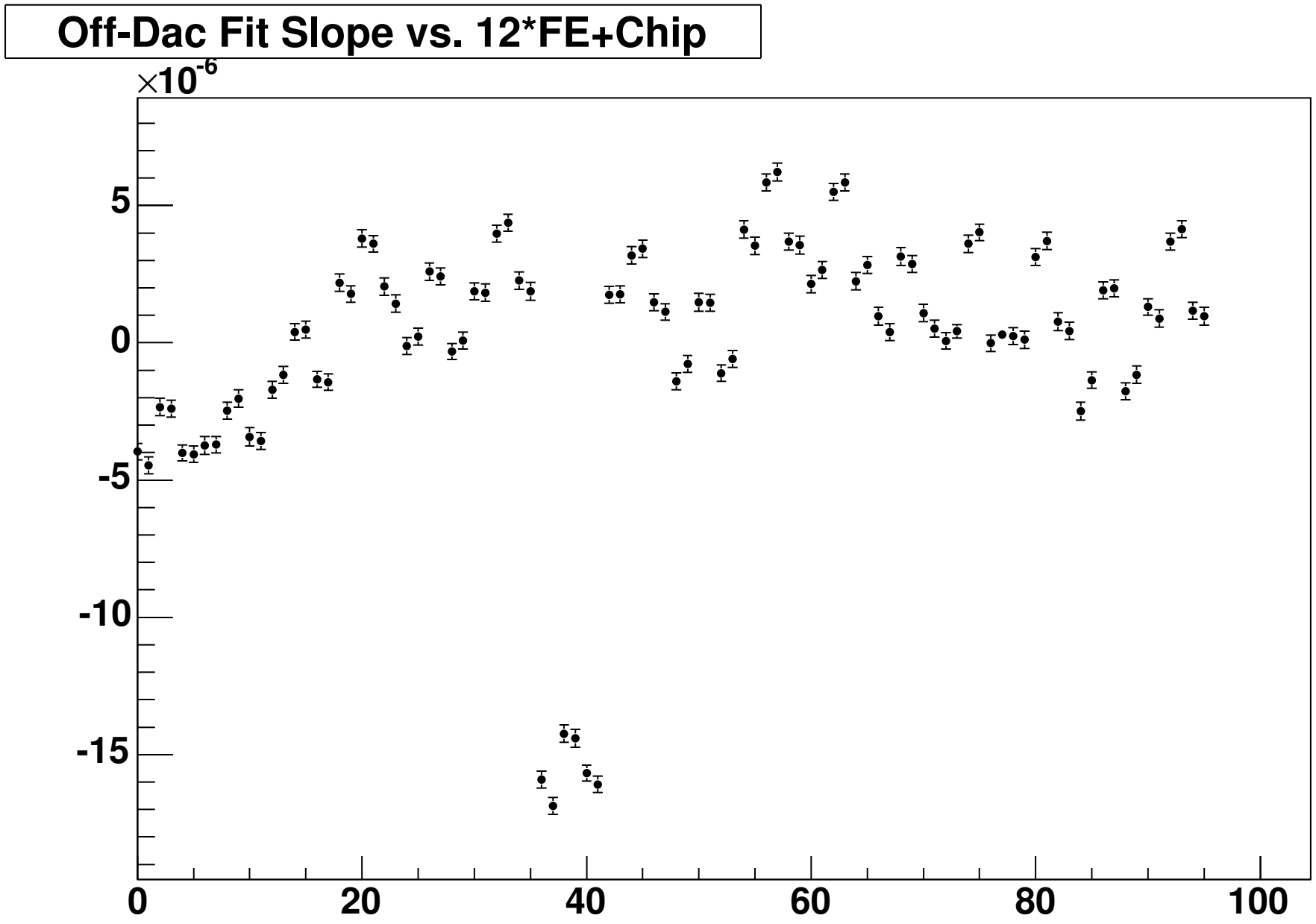

Disabled Dacs, Rms vs. 12*FE+Chip
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
20
40
60
80
100

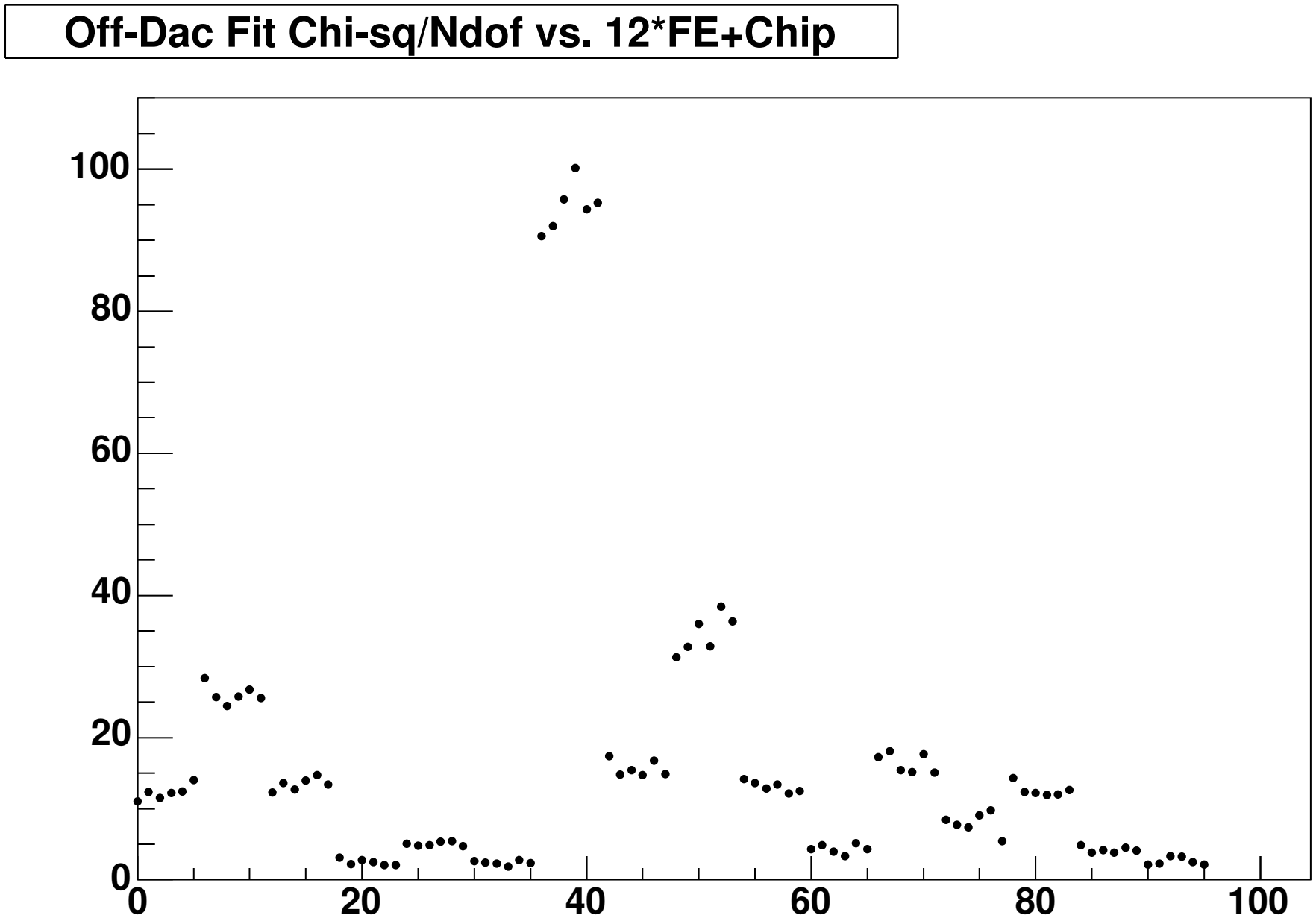

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

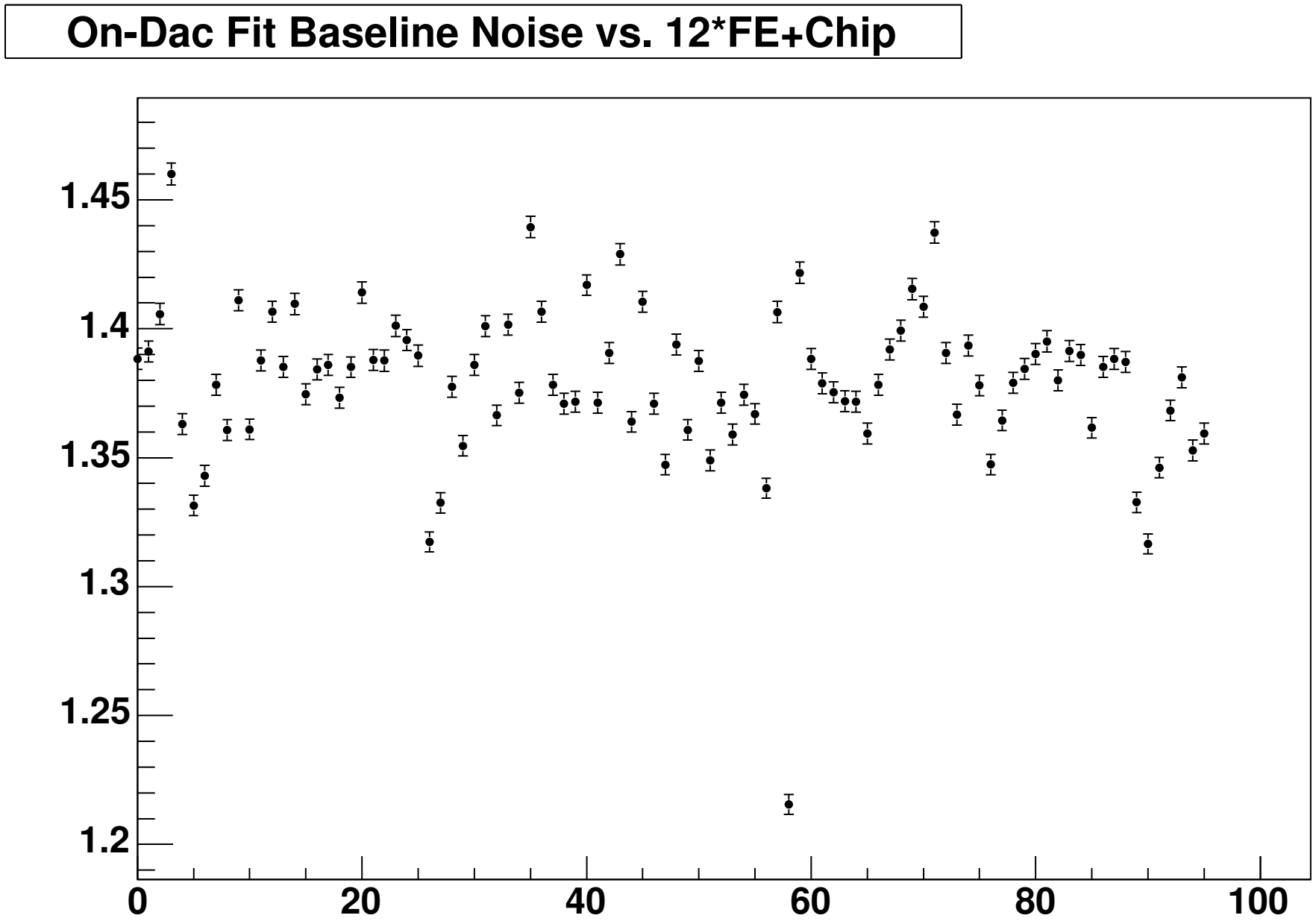

On-Dac Fit Slope vs. 12*FE+Chip
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0.449
0.4485
0
20
40
60
80
100

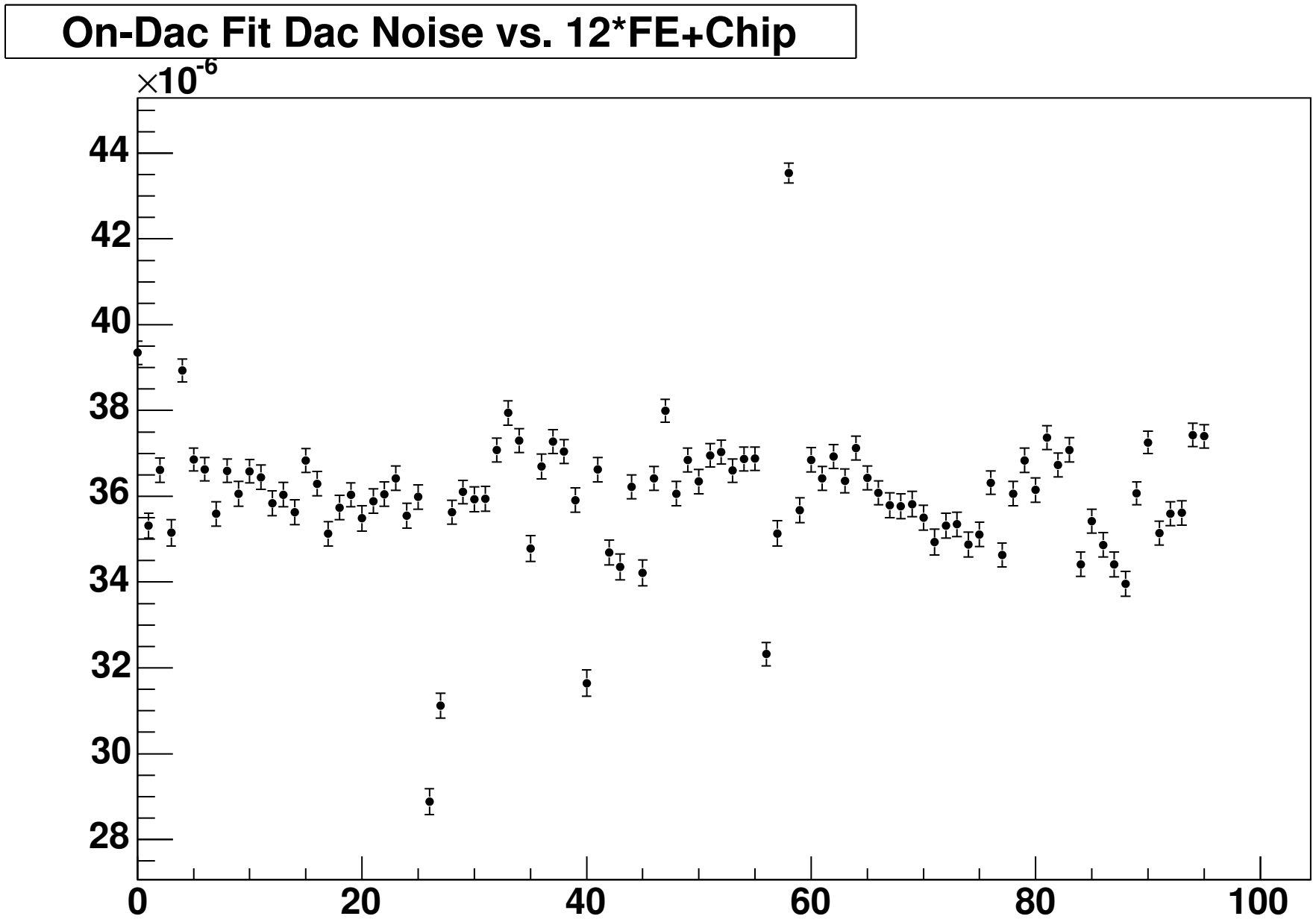

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

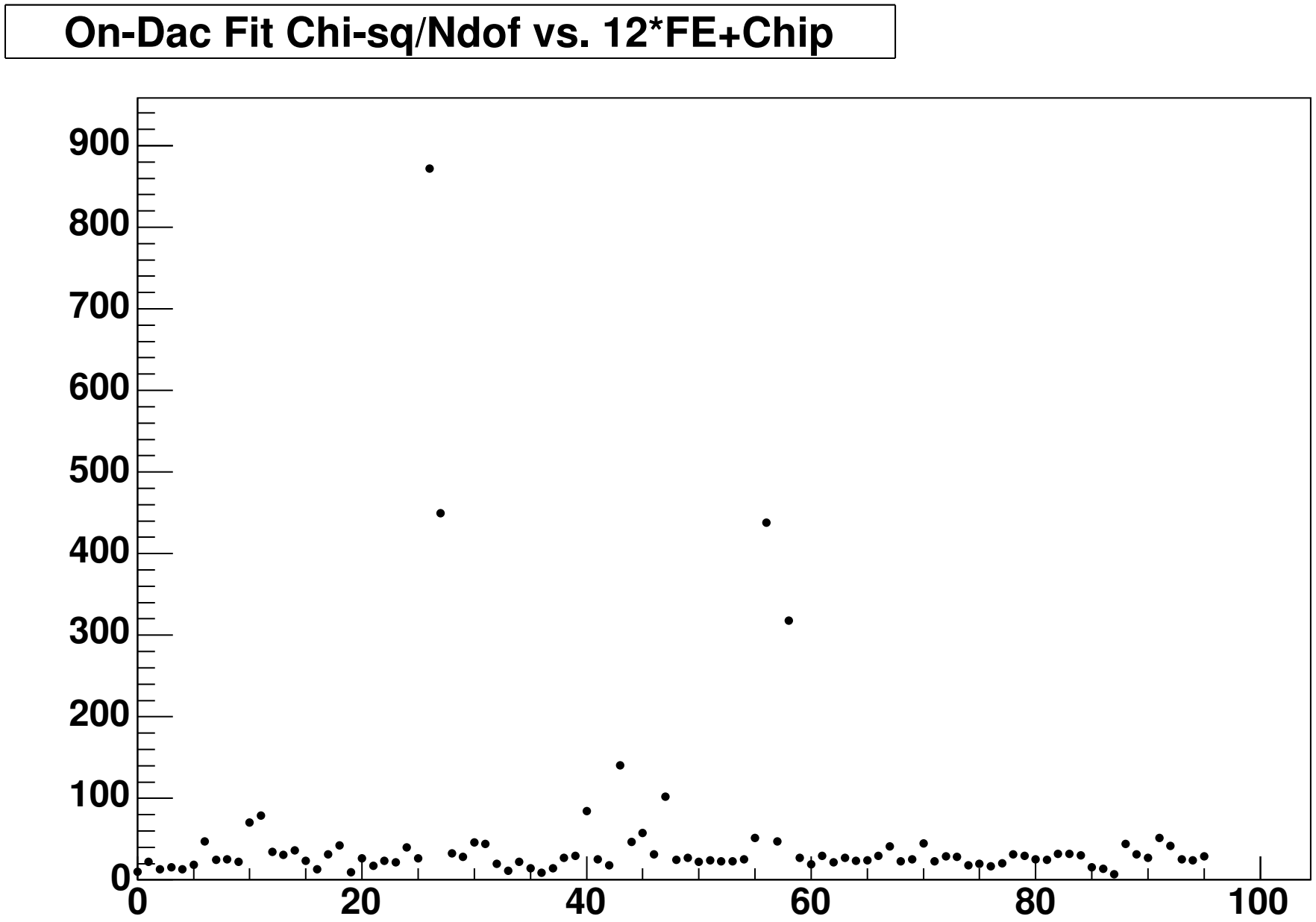

Off-Dac Fit Interpolation vs. 12*FE+Chip
120
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

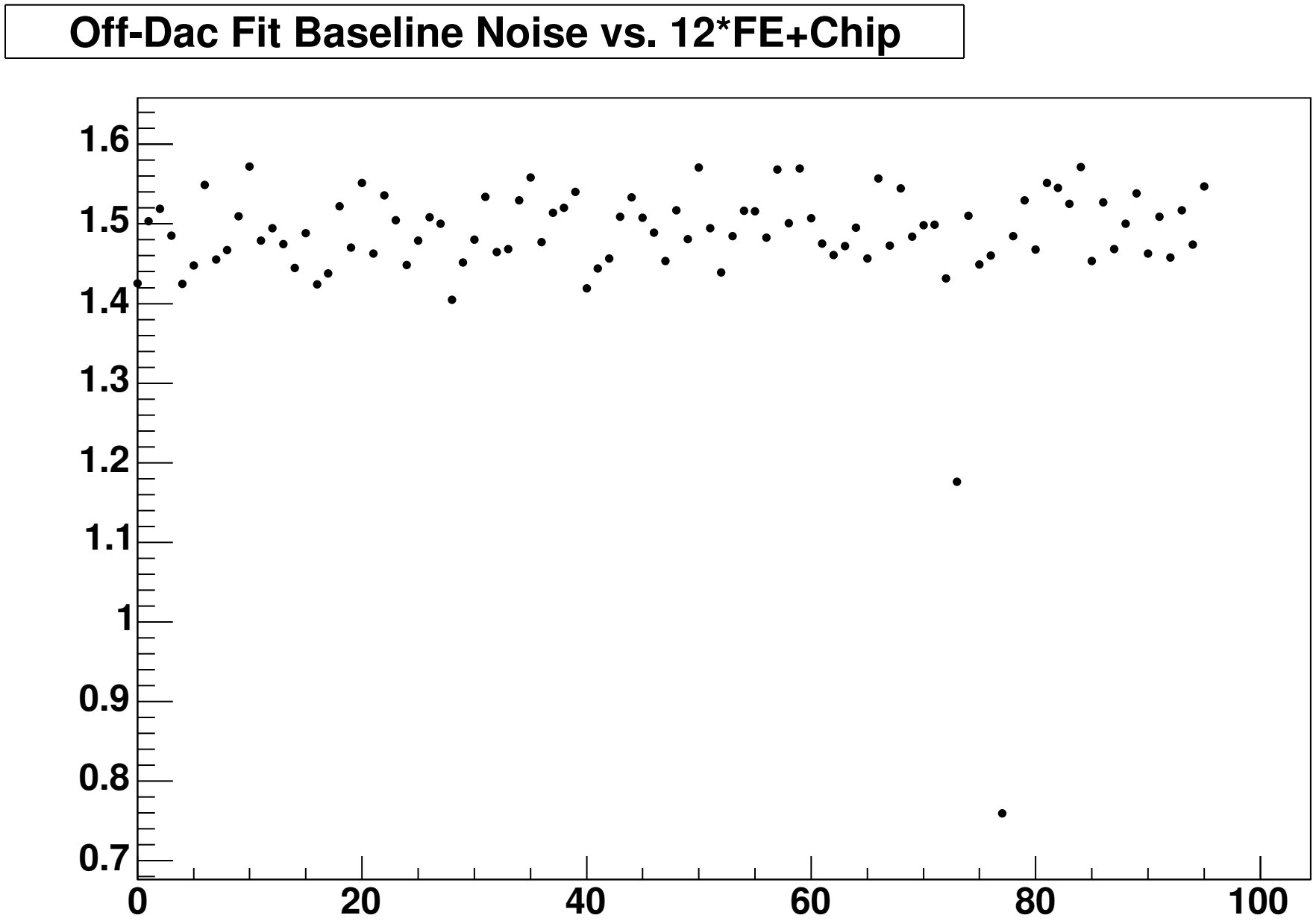

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
5
0
-5
-10
-15
0
20
40
60
80
100

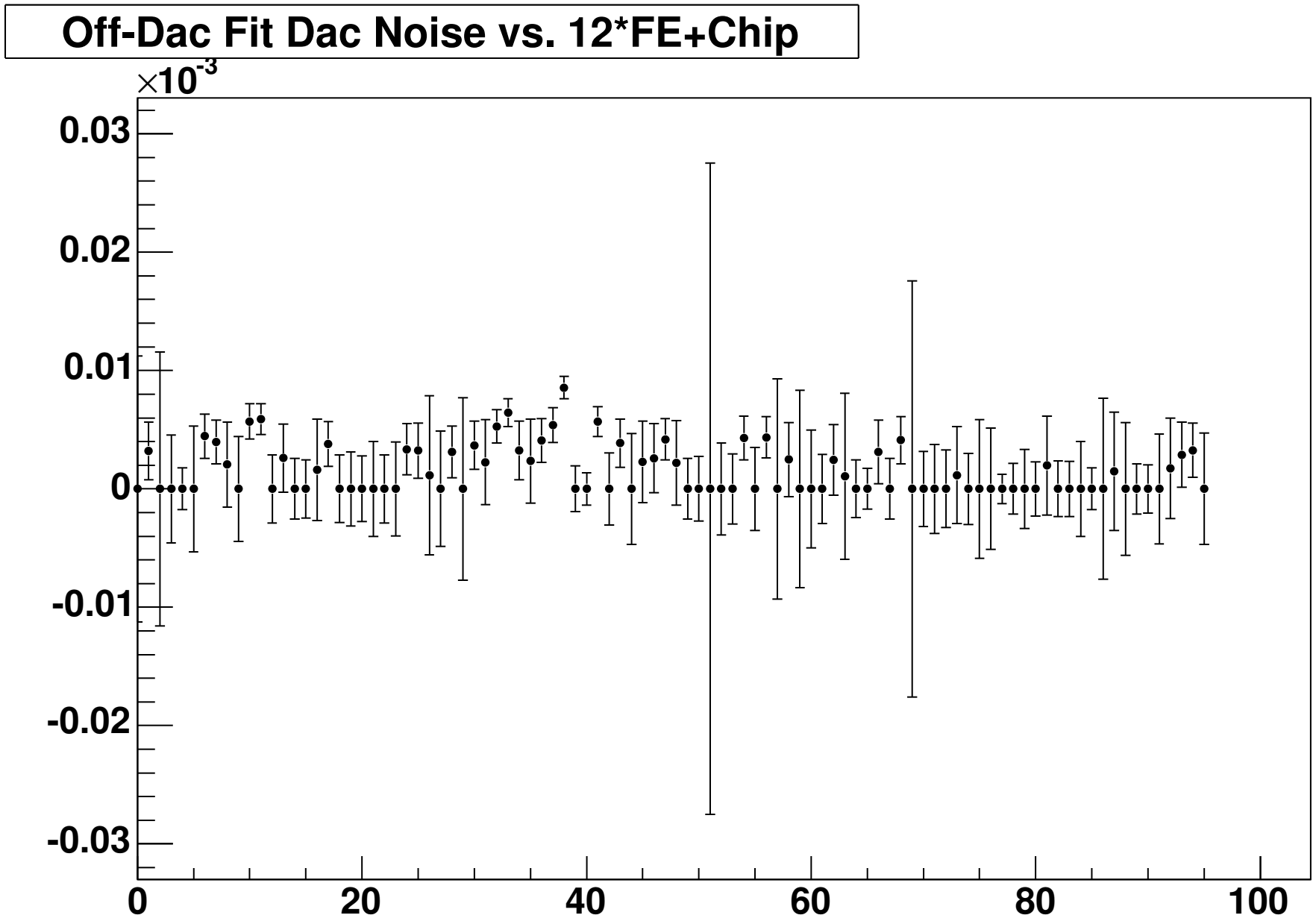

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
100
80
60
40
20
0
0
20
40
60
80
100

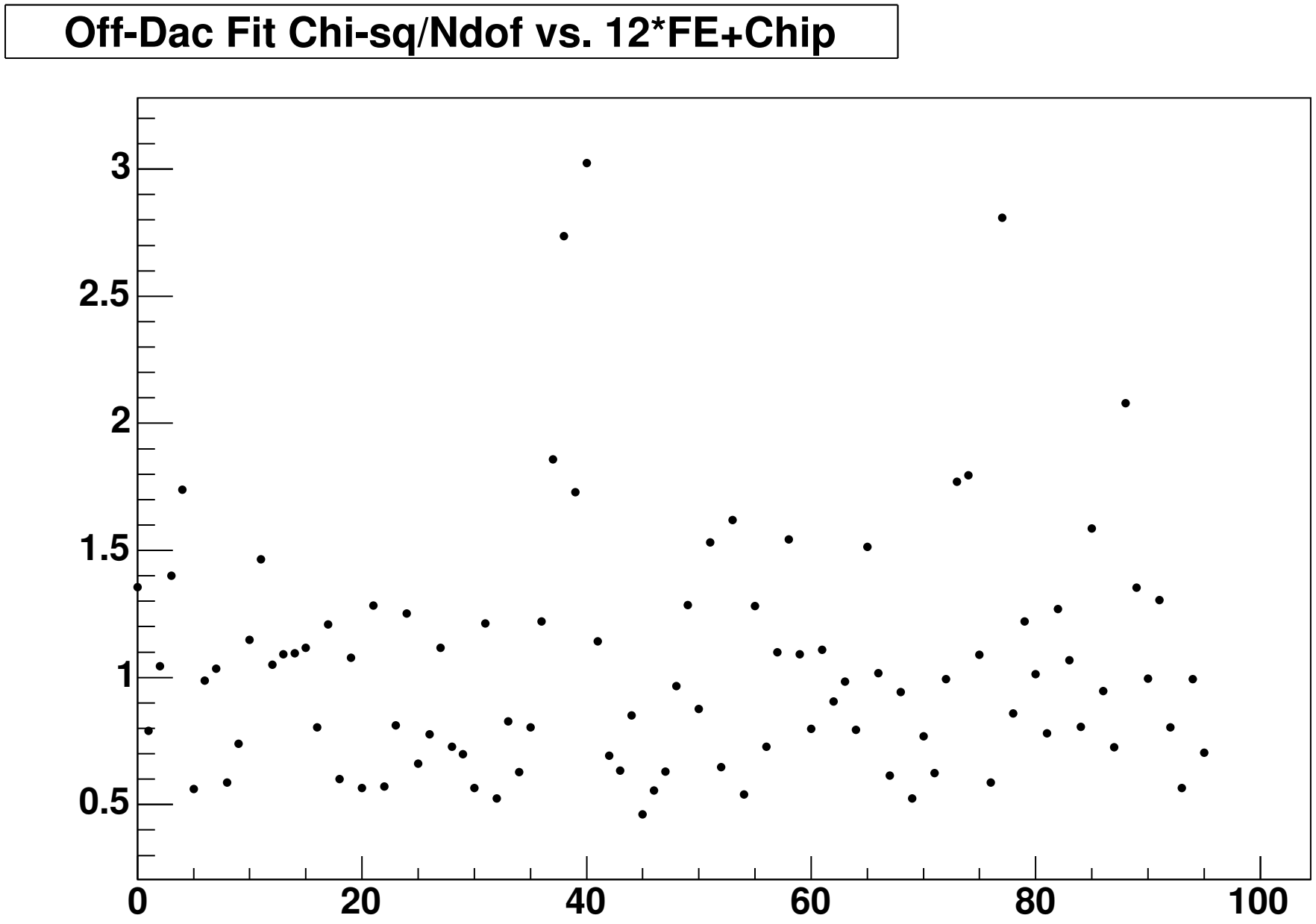

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.45
1.4
1.35
1.3
1.25
1.2
0
20
40
60
80
100

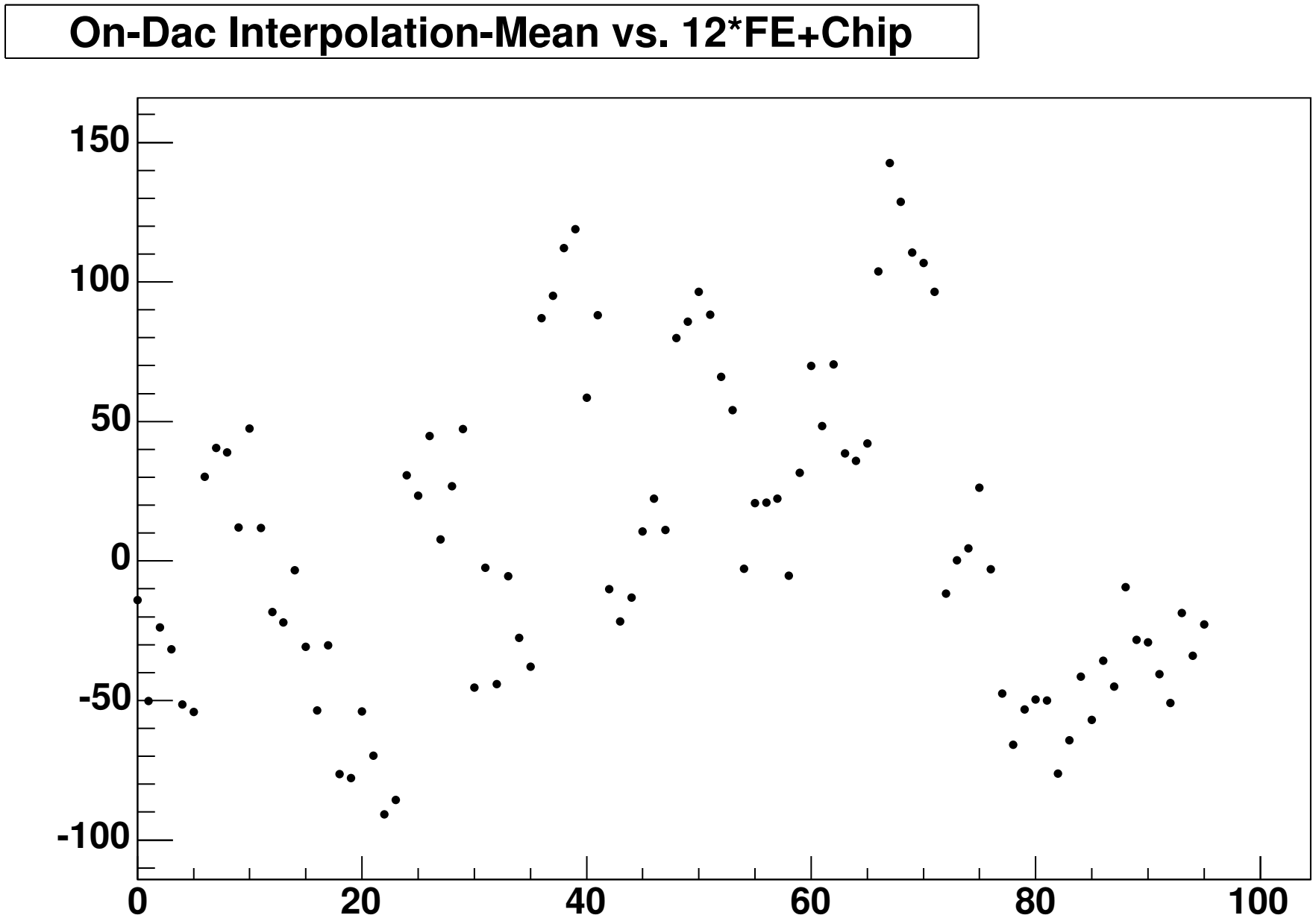

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
44
42
40
38
36
34
32
30
28
0
20
40
60
80
100

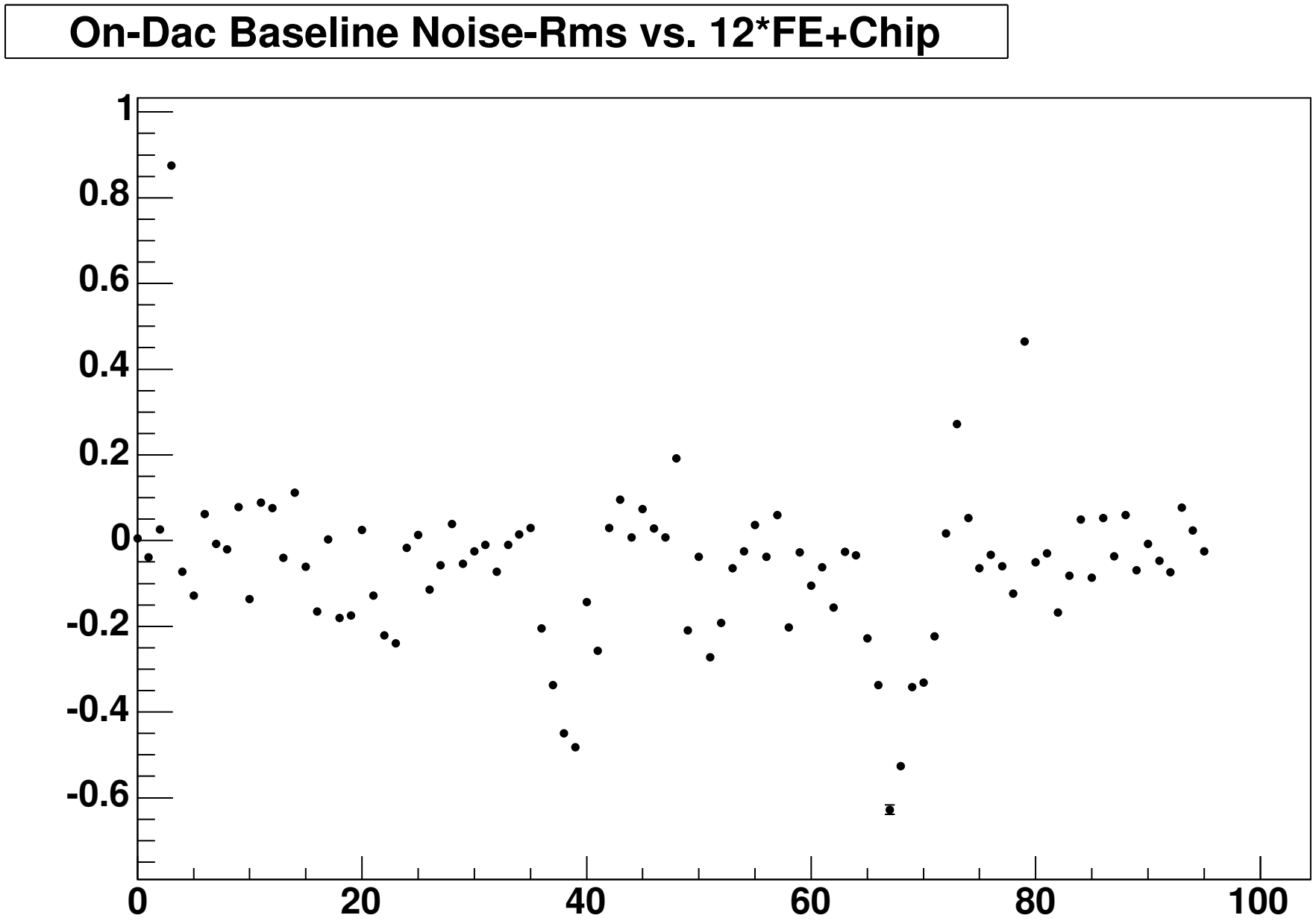

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
900
800
700
600
500
400
300
200
100
0
0
20
40
60
80
100

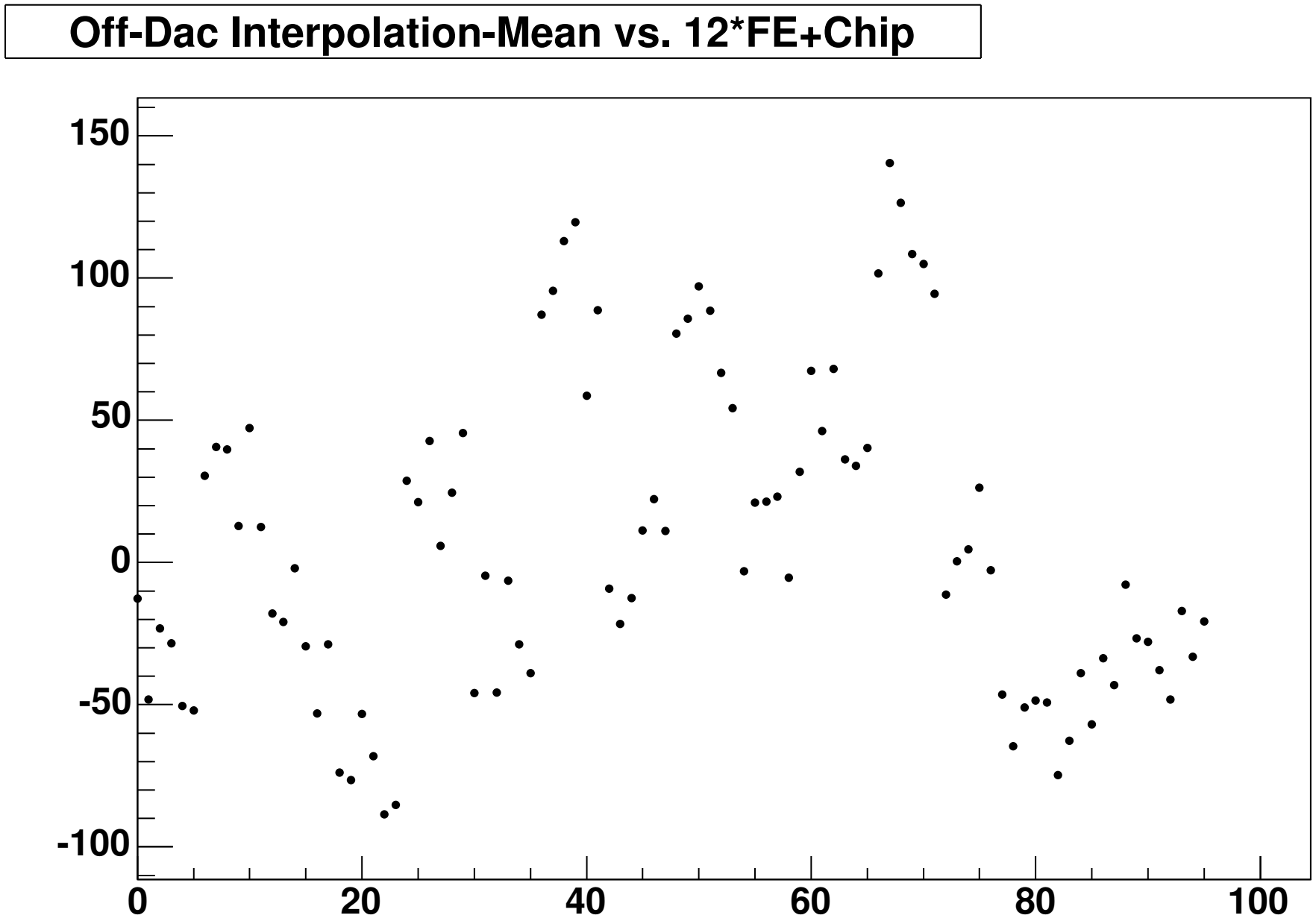

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0
20
40
60
80
100

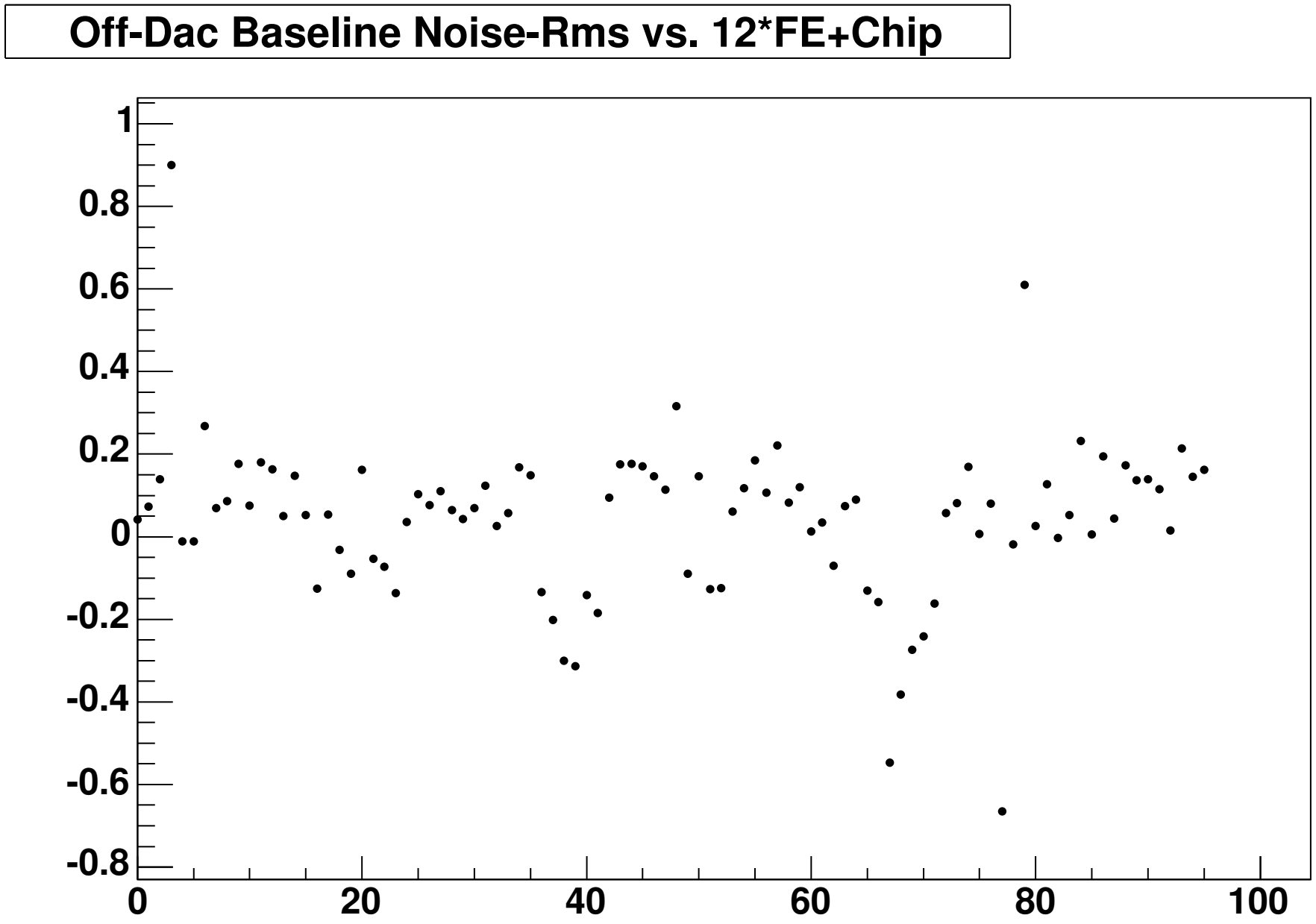

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
3
2.5
2
1.5
1
0.5
0
20
40
60
80
100


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


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


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


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