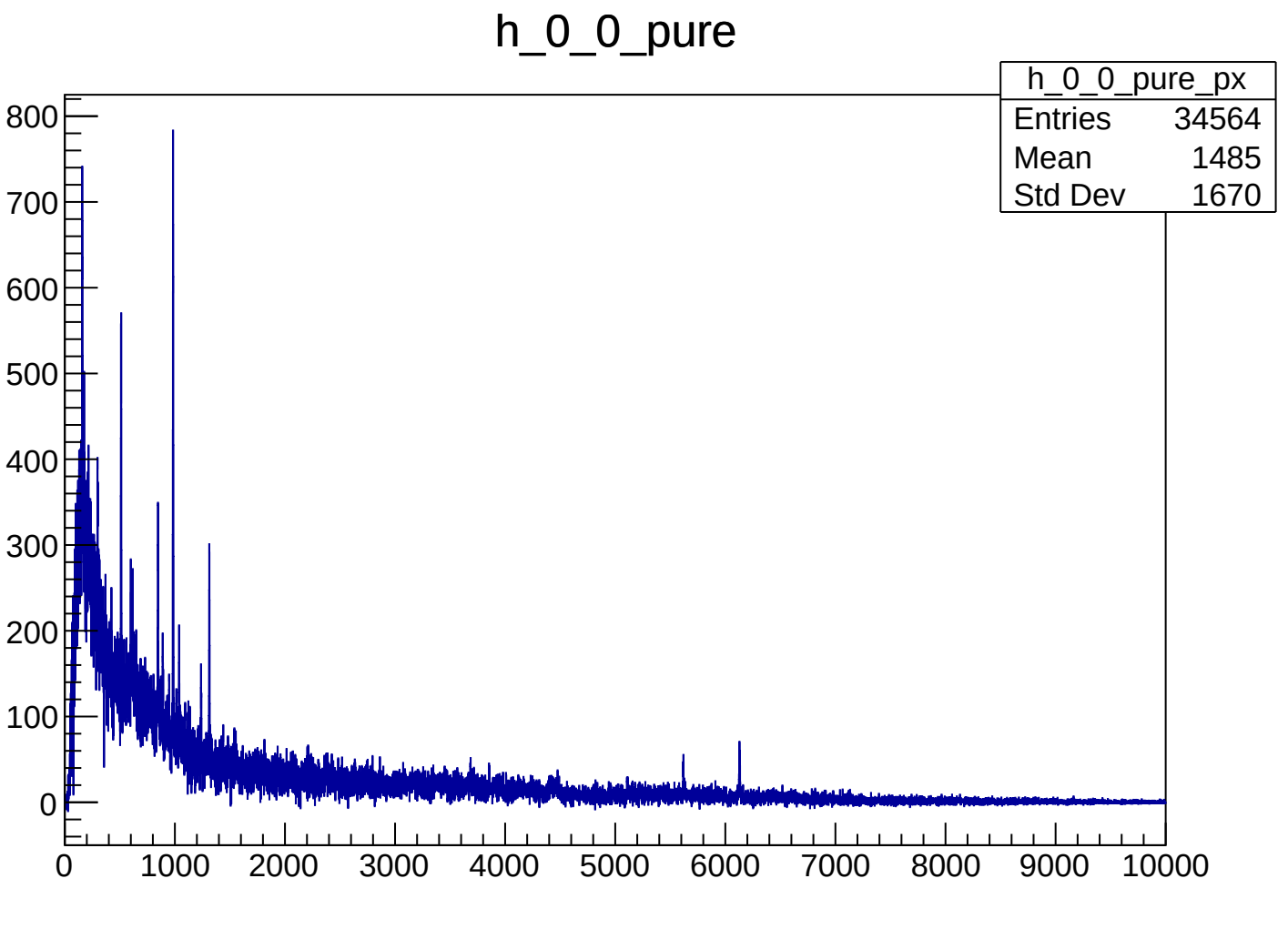
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Entries 34564
Mean 1485
Std Dev 1670
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400
300
200
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3000
4000
5000
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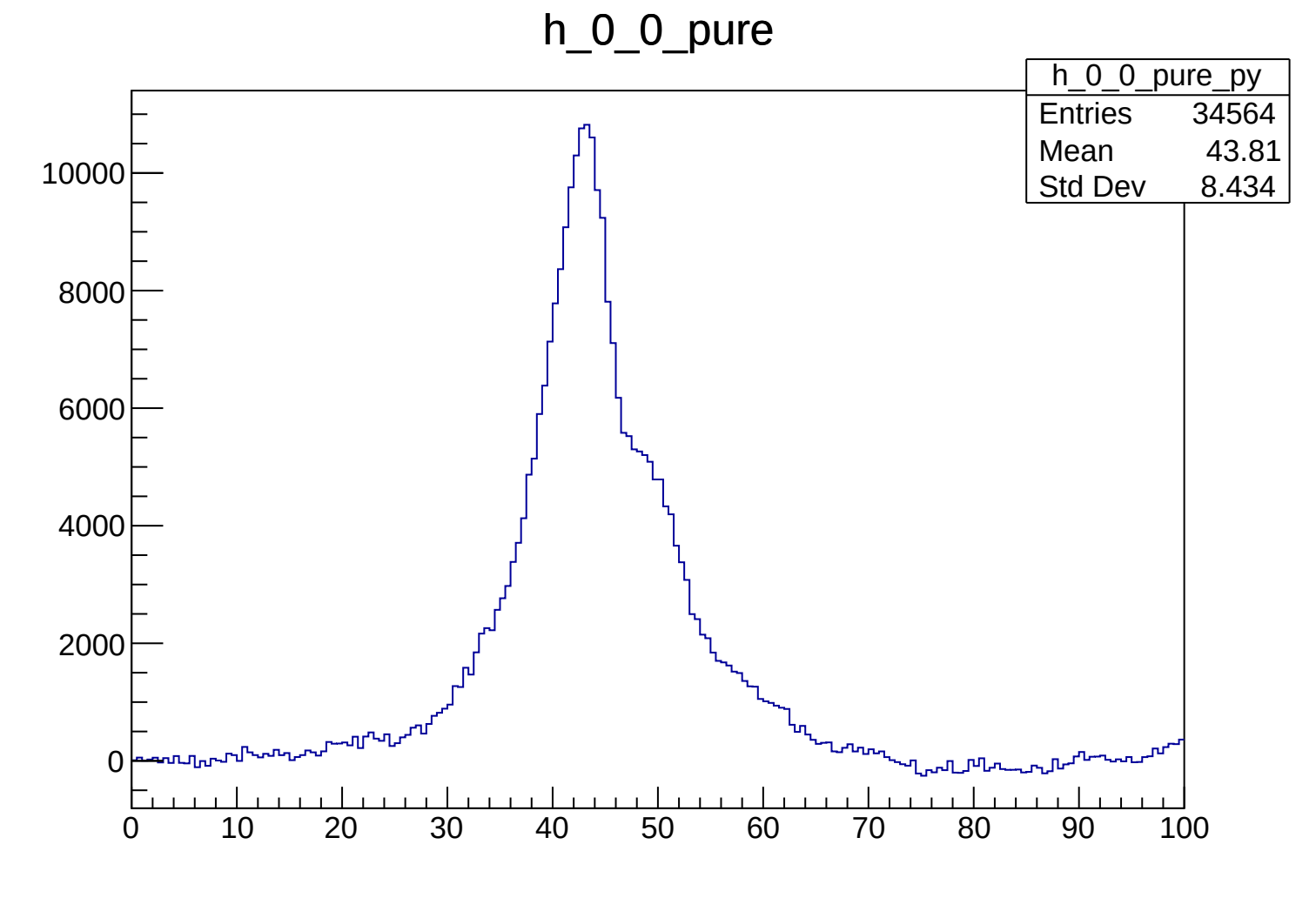
7000
8000
9000
10000


h_0_0_pure
h_0_0_pure_py
Entries 34564
Mean 43.81
Std Dev 8.434
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6000
4000
2000
0
0
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30
40
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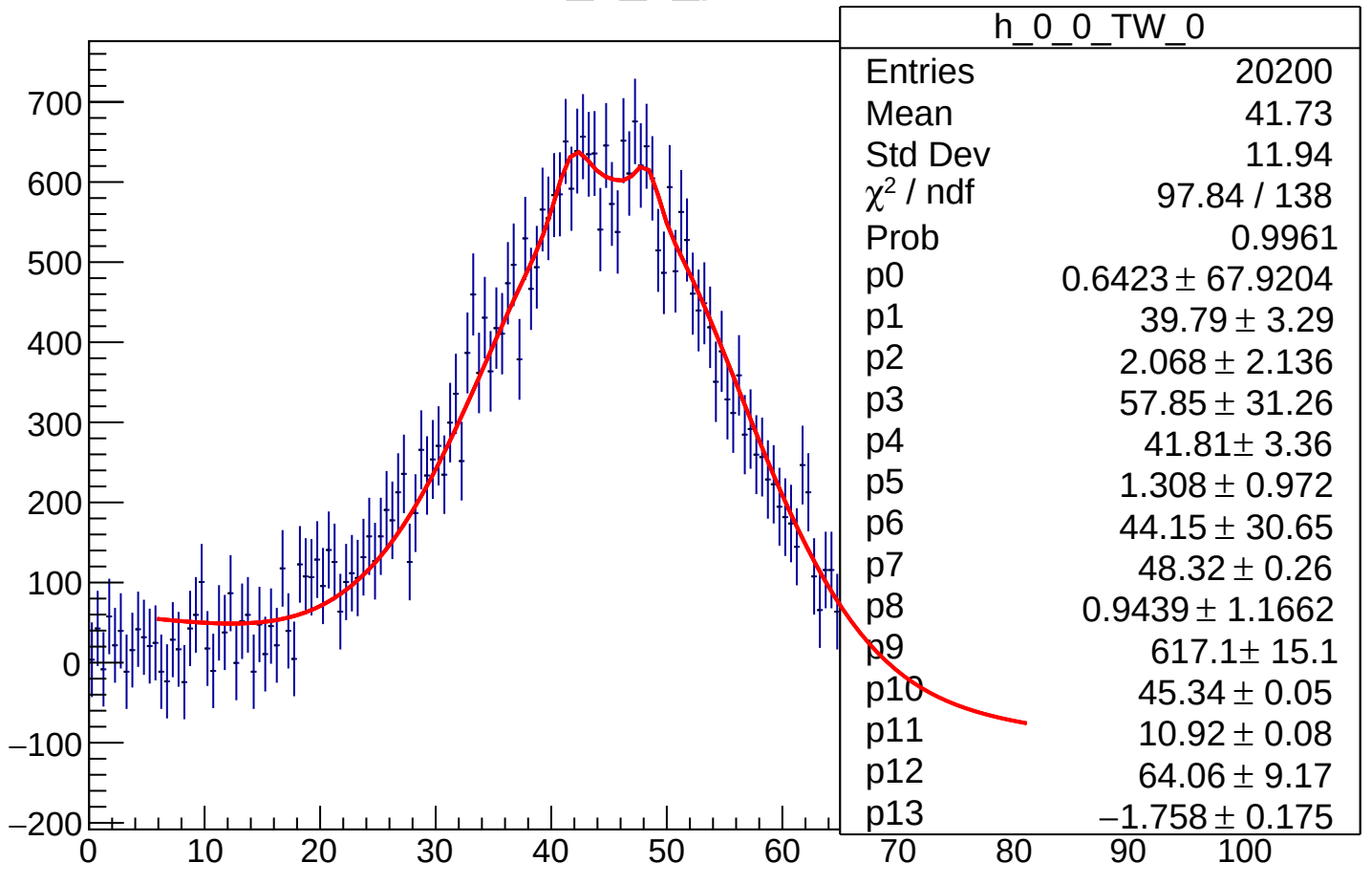
60
70
80
90
100


h_0_0_pure
h_0_0_TW_0
Entries 20200
Mean 41.73
Std Dev 11.94
χ² / ndf 97.84 / 138
Prob 0.9961
p0 0.6423 ± 67.9204
p1 39.79 ± 3.29
p2 2.068 ± 2.136
p3 57.85 ± 31.26
p4 41.81 ± 3.36
p5 1.308 ± 0.972
p6 44.15 ± 30.65
p7 48.32 ± 0.26
p8 0.9439 ± 1.1662
p9 617.1 ± 15.1
p10 45.34 ± 0.05
p11 10.92 ± 0.08
p12 64.06 ± 9.17
p13 −1.758 ± 0.175
700
600
500
400
300
200
100
0
−100
−200
0
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30
40
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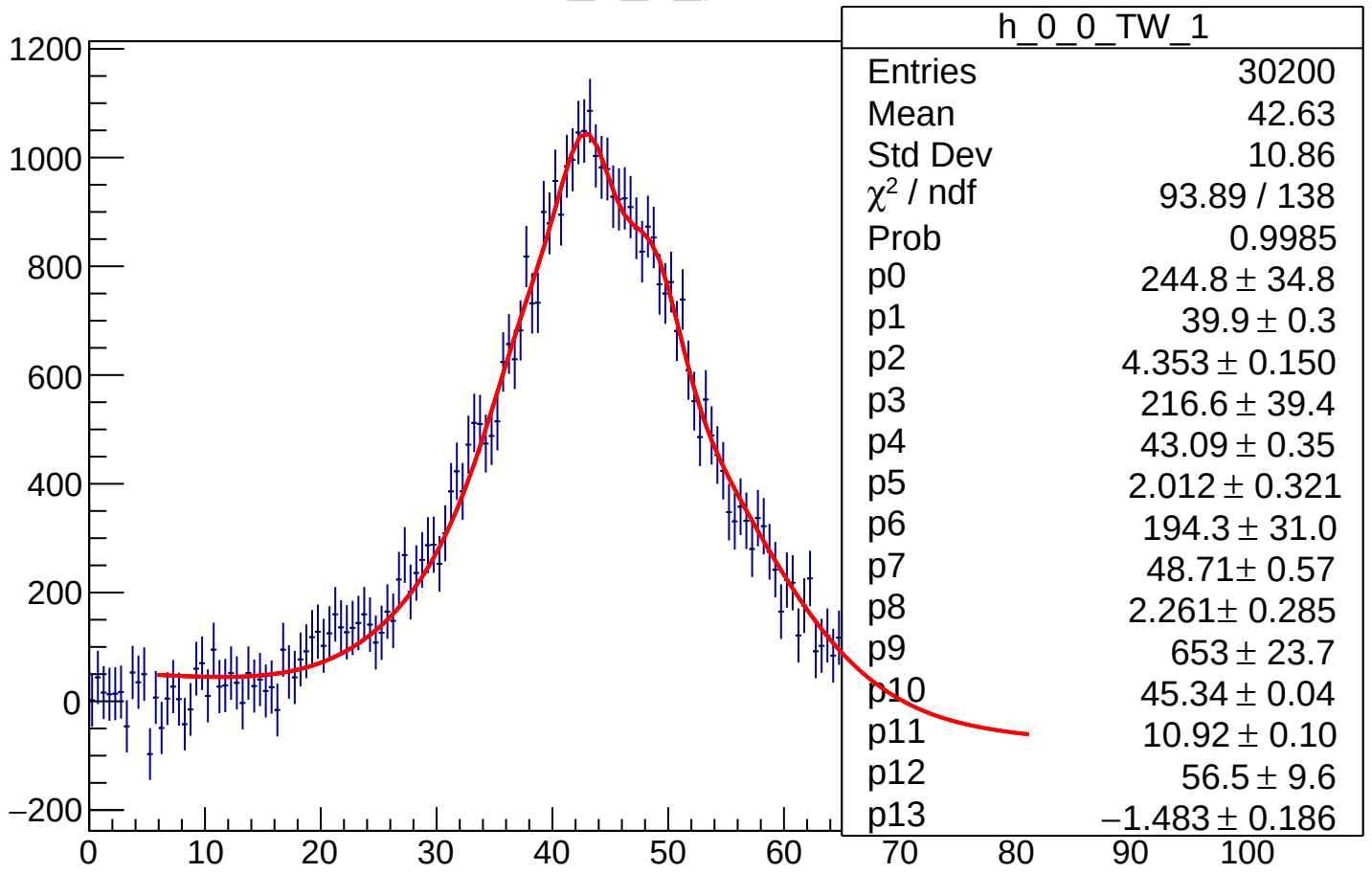
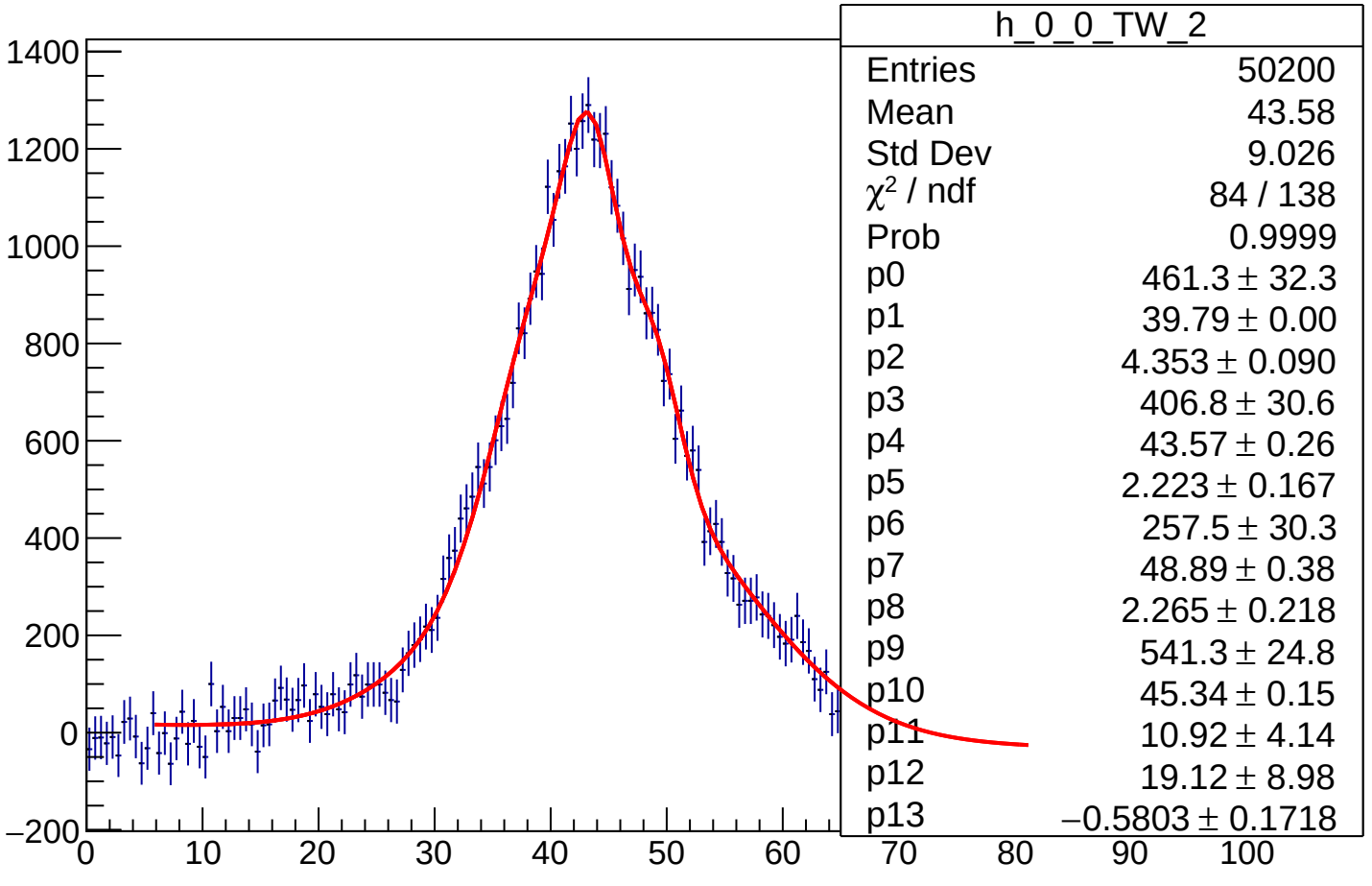
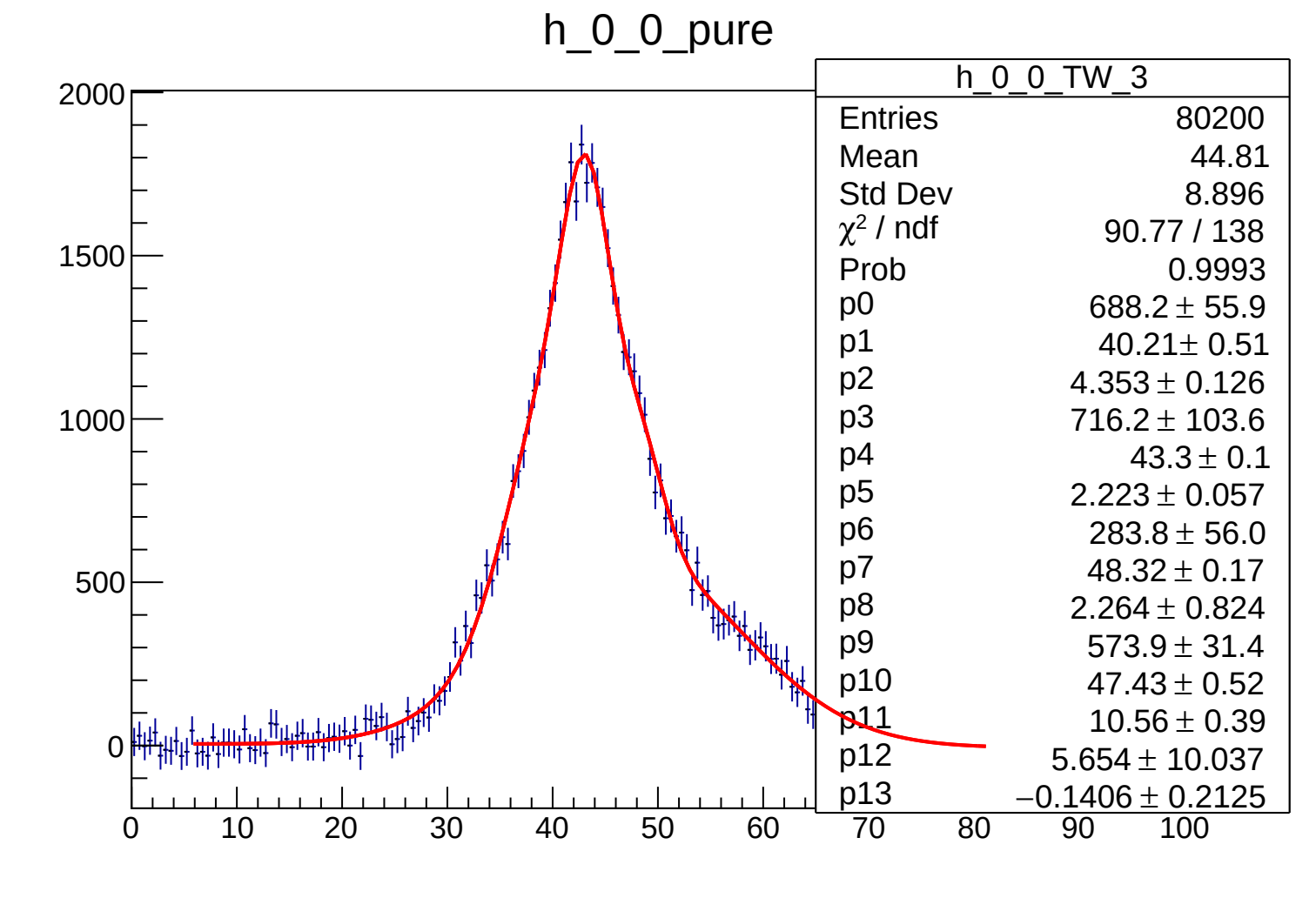
70
80
90
100


h_0_0_pure
h_0_0_TW_1
Entries 30200
Mean 42.63
Std Dev 10.86
χ² / ndf 93.89 / 138
Prob 0.9985
p0 244.8 ± 34.8
p1 39.9 ± 0.3
p2 4.353 ± 0.150
p3 216.6 ± 39.4
p4 43.09 ± 0.35
p5 2.012 ± 0.321
p6 194.3 ± 31.0
p7 48.71 ± 0.57
p8 2.261 ± 0.285
p9 653 ± 23.7
p10 45.34 ± 0.04
p11 10.92 ± 0.10
p12 56.5 ± 9.6
p13 −1.483 ± 0.186
1200
1000
800
600
400
200
0
−200
0
10
20
30
40
50
60
70
80
90
100


h_0_0_pure
h_0_0_TW_2
Entries 50200
Mean 43.58
Std Dev 9.026
χ² / ndf 84 / 138
Prob 0.9999
p0 461.3 ± 32.3
p1 39.79 ± 0.00
p2 4.353 ± 0.090
p3 406.8 ± 30.6
p4 43.57 ± 0.26
p5 2.223 ± 0.167
p6 257.5 ± 30.3
p7 48.89 ± 0.38
p8 2.265 ± 0.218
p9 541.3 ± 24.8
p10 45.34 ± 0.15
p11 10.92 ± 4.14
p12 19.12 ± 8.98
p13 −0.5803 ± 0.1718
1400
1200
1000
800
600
400
200
0
−200
0
10
20
30
40
50
60
70
80
90
100


h_0_0_pure
h_0_0_TW_3
Entries 80200
Mean 44.81
Std Dev 8.896
χ² / ndf 90.77 / 138
Prob 0.9993
p0 688.2 ± 55.9
p1 40.21 ± 0.51
p2 4.353 ± 0.126
p3 716.2 ± 103.6
p4 43.3 ± 0.1
p5 2.223 ± 0.057
p6 283.8 ± 56.0
p7 48.32 ± 0.17
p8 2.264 ± 0.824
p9 573.9 ± 31.4
p10 47.43 ± 0.52
p11 10.56 ± 0.39
p12 5.654 ± 10.037
p13 −0.1406 ± 0.2125
2000
1500
1000
500
0
0
10
20
30
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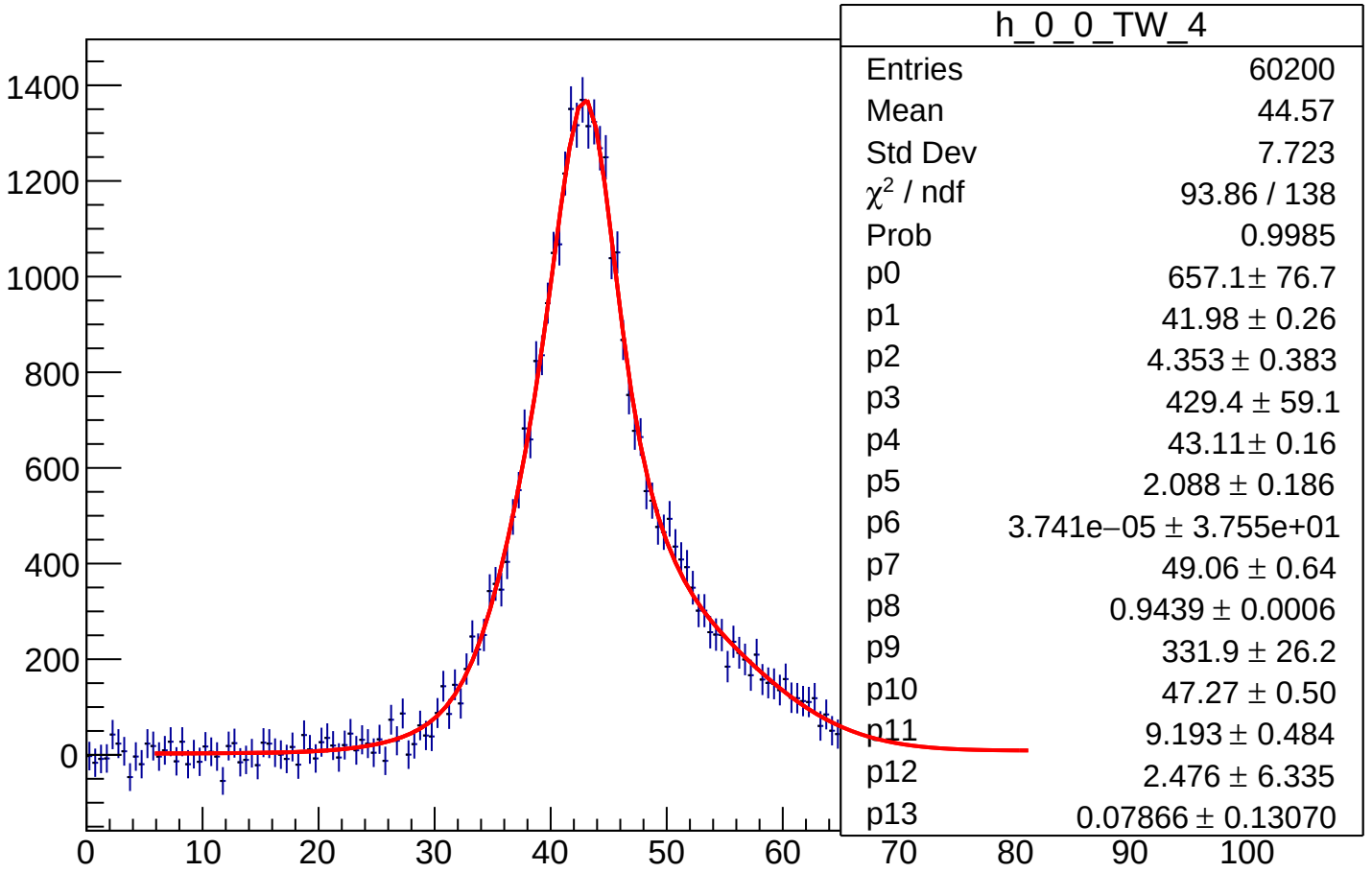
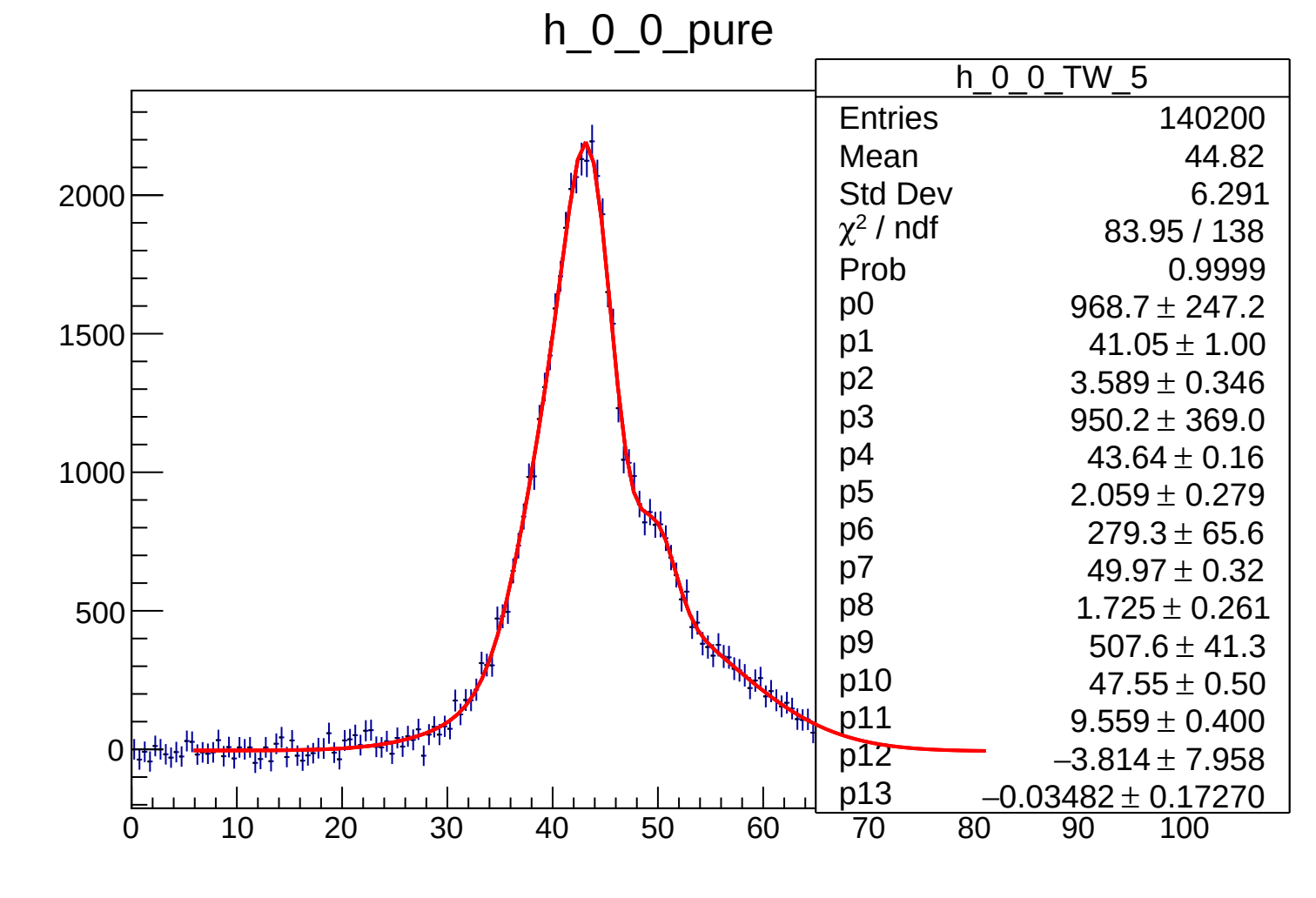
50
60
70
80
90
100


h_0_0_pure
h_0_0_TW_4
Entries 60200
Mean 44.57
Std Dev 7.723
χ² / ndf 93.86 / 138
Prob 0.9985
p0 657.1 ± 76.7
p1 41.98 ± 0.26
p2 4.353 ± 0.383
p3 429.4 ± 59.1
p4 43.11 ± 0.16
p5 2.088 ± 0.186
p6 3.741e−05 ± 3.755e+01
p7 49.06 ± 0.64
p8 0.9439 ± 0.0006
p9 331.9 ± 26.2
p10 47.27 ± 0.50
p11 9.193 ± 0.484
p12 2.476 ± 6.335
p13 0.07866 ± 0.13070
0
200
400
600
800
1000
1200
1400
0
10
20
30
40
50
60
70
80
90
100


h_0_0_pure
h_0_0_TW_5
Entries 140200
Mean 44.82
Std Dev 6.291
χ² / ndf 83.95 / 138
Prob 0.9999
p0 968.7 ± 247.2
p1 41.05 ± 1.00
p2 3.589 ± 0.346
p3 950.2 ± 369.0
p4 43.64 ± 0.16
p5 2.059 ± 0.279
p6 279.3 ± 65.6
p7 49.97 ± 0.32
p8 1.725 ± 0.261
p9 507.6 ± 41.3
p10 47.55 ± 0.50
p11 9.559 ± 0.400
p12 –3.814 ± 7.958
p13 –0.03482 ± 0.17270
2000
1500
1000
500
0
0
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20
30
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50
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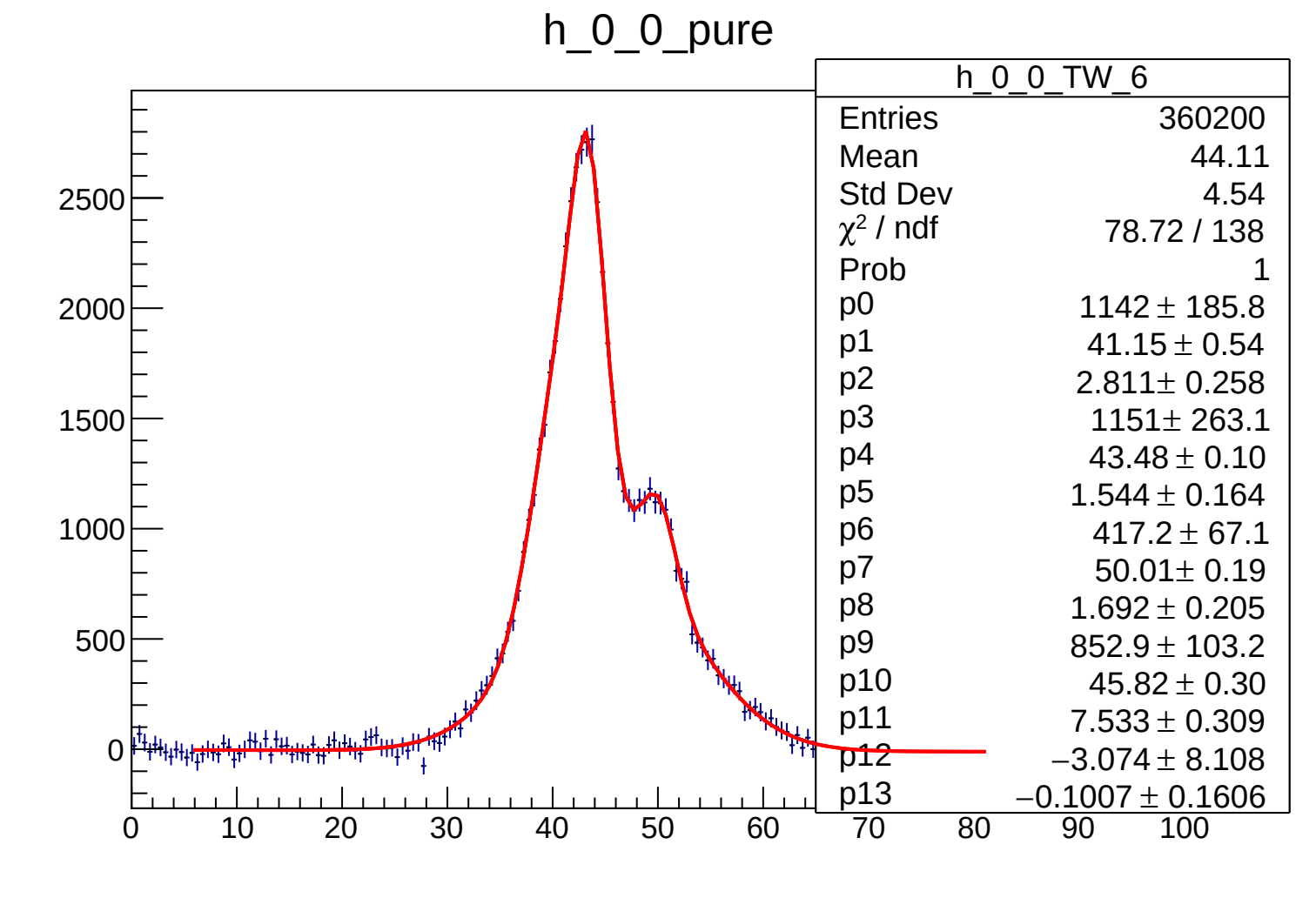
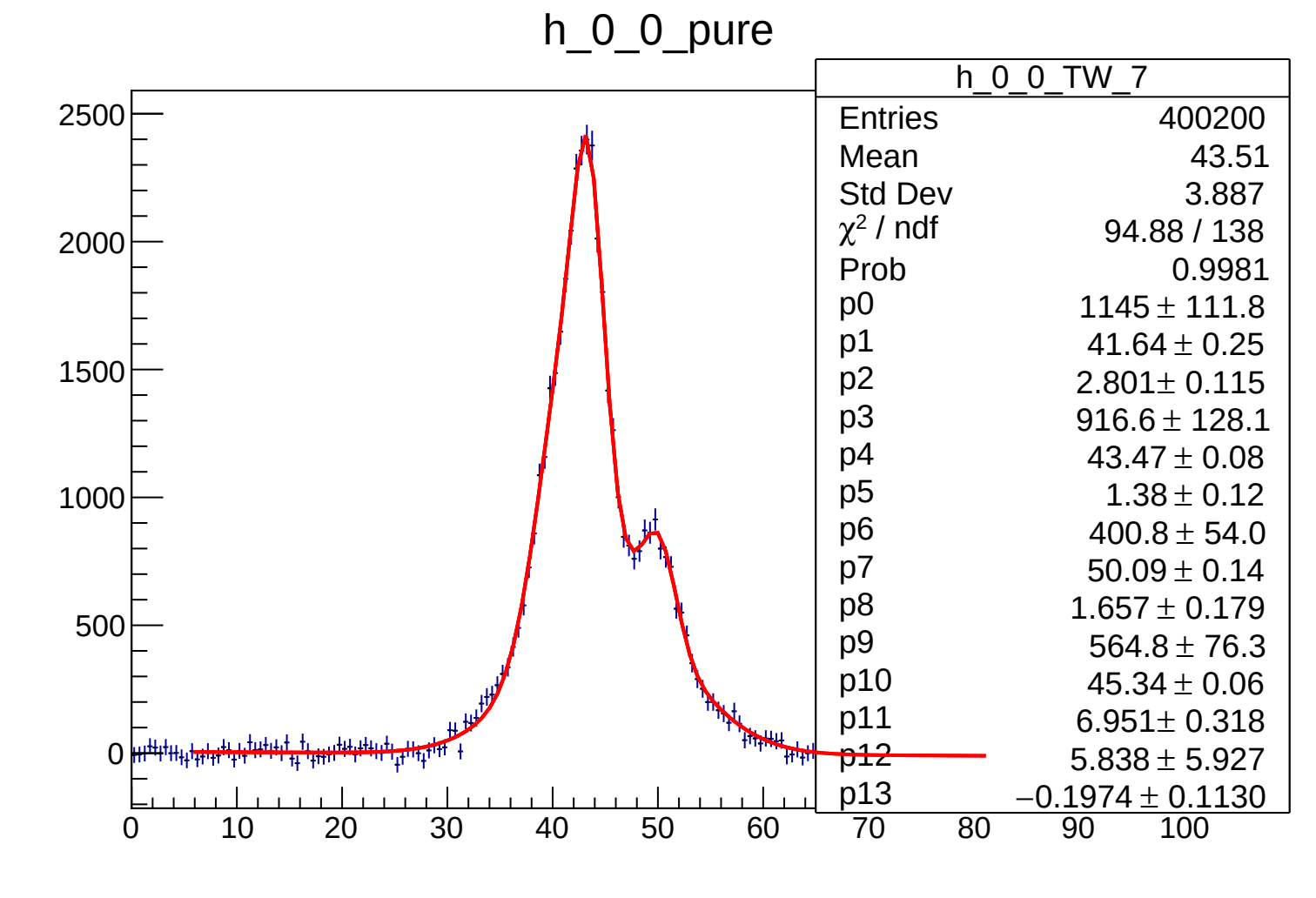
70
80
90
100


h_0_0_pure
h_0_0_TW_6
Entries 360200
Mean 44.11
Std Dev 4.54
χ² / ndf 78.72 / 138
Prob 1
p0 1142 ± 185.8
p1 41.15 ± 0.54
p2 2.811 ± 0.258
p3 1151 ± 263.1
p4 43.48 ± 0.10
p5 1.544 ± 0.164
p6 417.2 ± 67.1
p7 50.01 ± 0.19
p8 1.692 ± 0.205
p9 852.9 ± 103.2
p10 45.82 ± 0.30
p11 7.533 ± 0.309
p12 −3.074 ± 8.108
p13 −0.1007 ± 0.1606
0
500
1000
1500
2000
2500
0
10
20
30
40
50
60
70
80
90
100


h_0_0_pure
h_0_0_TW_7
Entries 400200
Mean 43.51
Std Dev 3.887
χ² / ndf 94.88 / 138
Prob 0.9981
p0 1145 ± 111.8
p1 41.64 ± 0.25
p2 2.801 ± 0.115
p3 916.6 ± 128.1
p4 43.47 ± 0.08
p5 1.38 ± 0.12
p6 400.8 ± 54.0
p7 50.09 ± 0.14
p8 1.657 ± 0.179
p9 564.8 ± 76.3
p10 45.34 ± 0.06
p11 6.951 ± 0.318
p12 5.838 ± 5.927
p13 −0.1974 ± 0.1130
2500
2000
1500
1000
500
0
0
10
20
30
40
50
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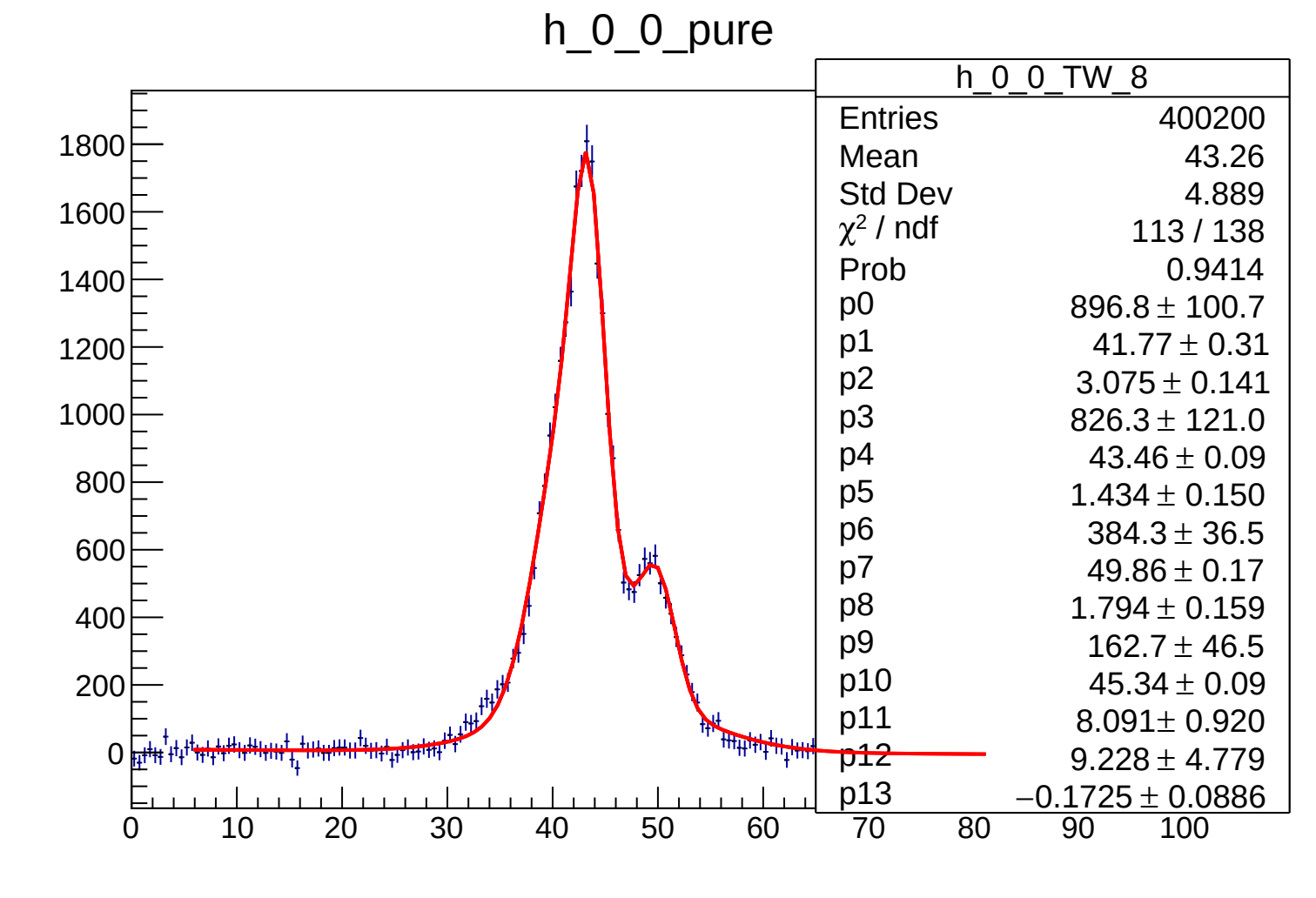
70
80
90
100


h_0_0_pure
h_0_0_TW_8
Entries 400200
Mean 43.26
Std Dev 4.889
χ² / ndf 113 / 138
Prob 0.9414
p0 896.8 ± 100.7
p1 41.77 ± 0.31
p2 3.075 ± 0.141
p3 826.3 ± 121.0
p4 43.46 ± 0.09
p5 1.434 ± 0.150
p6 384.3 ± 36.5
p7 49.86 ± 0.17
p8 1.794 ± 0.159
p9 162.7 ± 46.5
p10 45.34 ± 0.09
p11 8.091± 0.920
p12 9.228 ± 4.779
p13 −0.1725 ± 0.0886
0
200
400
600
800
1000
1200
1400
1600
1800
0
10
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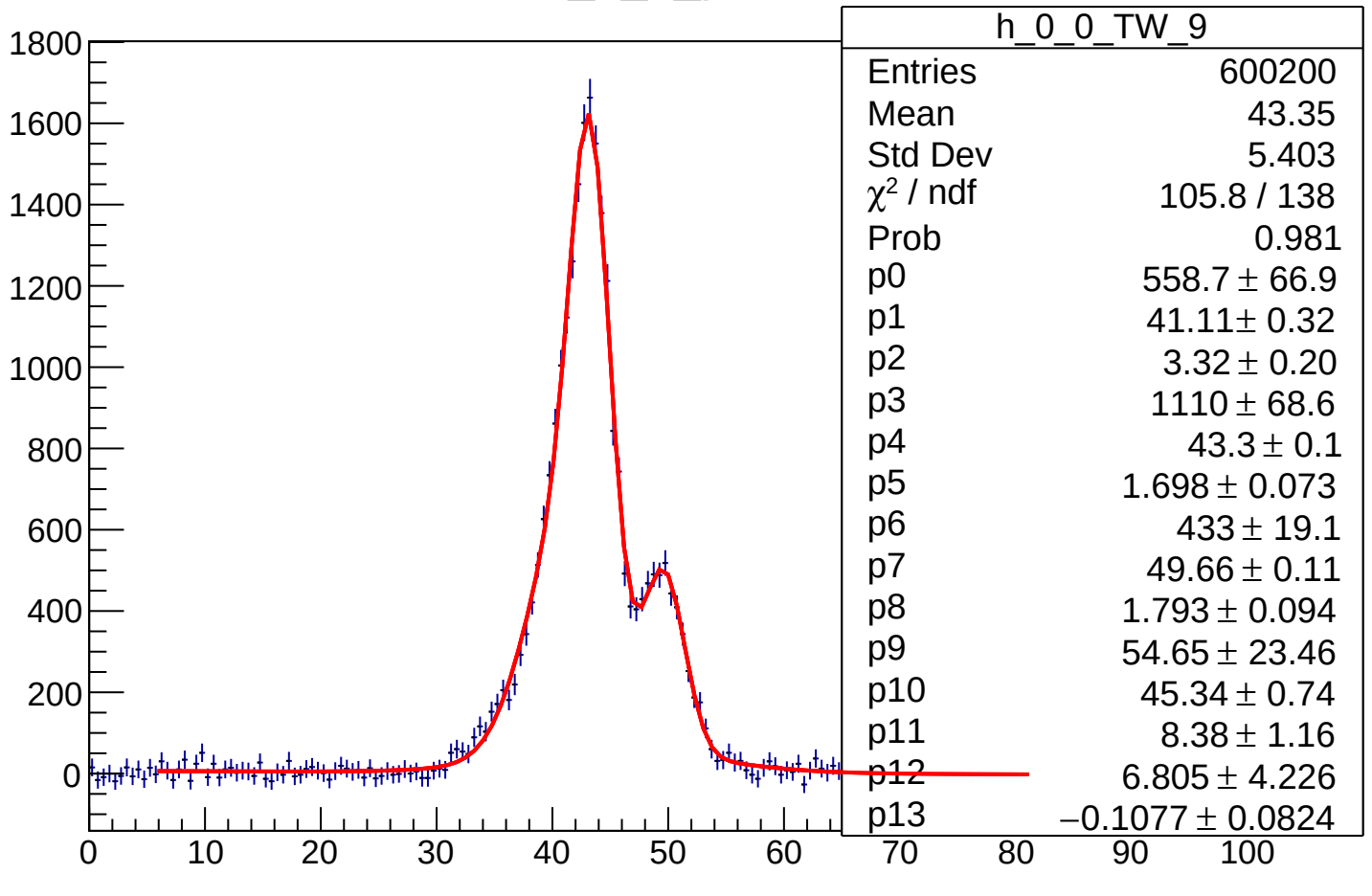
70
80
90
100


h_0_0_pure
h_0_0_TW_9
Entries 600200
Mean 43.35
Std Dev 5.403
χ² / ndf 105.8 / 138
Prob 0.981
p0 558.7 ± 66.9
p1 41.11 ± 0.32
p2 3.32 ± 0.20
p3 1110 ± 68.6
p4 43.3 ± 0.1
p5 1.698 ± 0.073
p6 433 ± 19.1
p7 49.66 ± 0.11
p8 1.793 ± 0.094
p9 54.65 ± 23.46
p10 45.34 ± 0.74
p11 8.38 ± 1.16
p12 6.805 ± 4.226
p13 −0.1077 ± 0.0824
1800
1600
1400
1200
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800
600
400
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0
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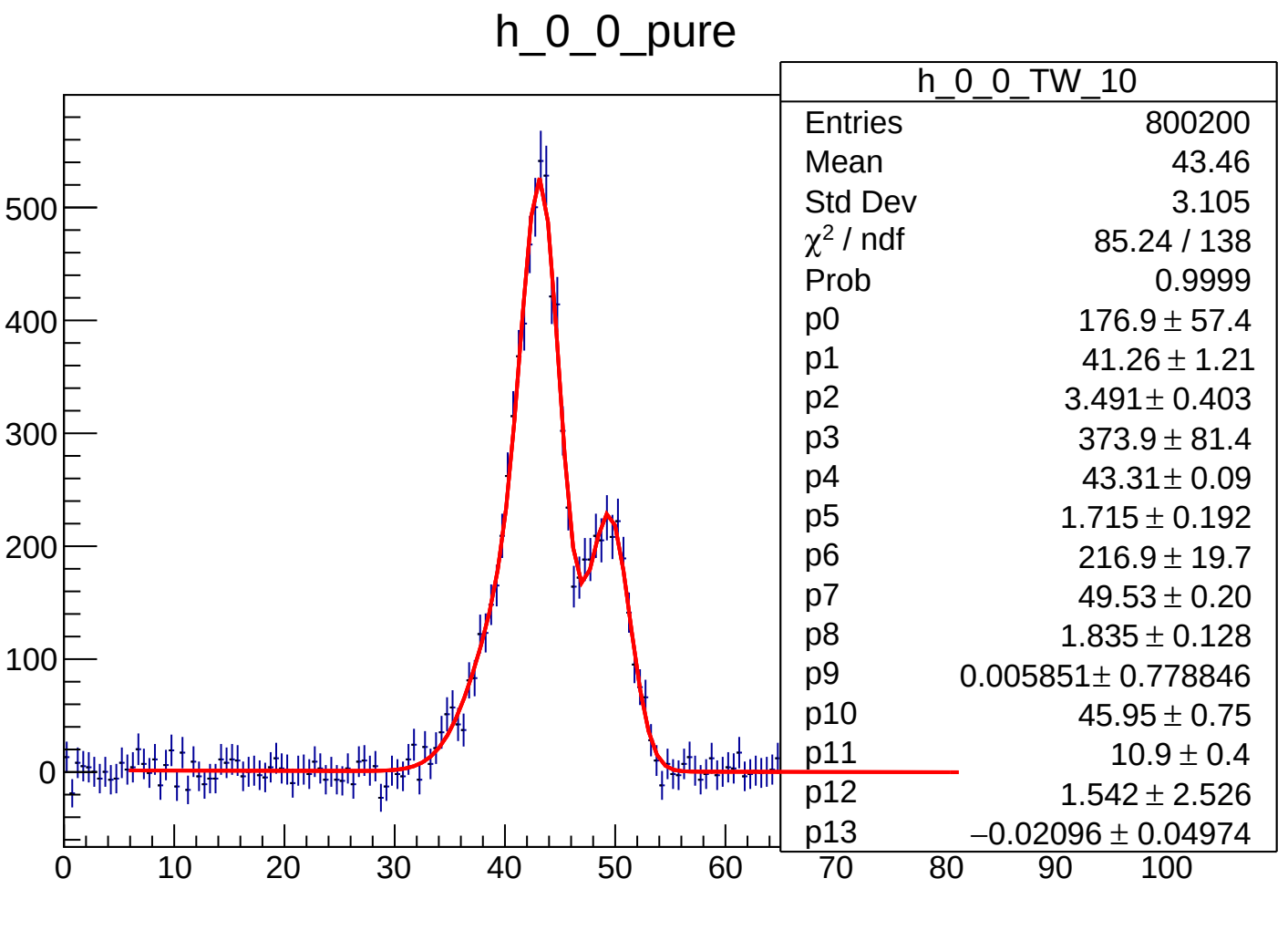
h_0_0_pure
h_0_0_TW_10
Entries 800200
Mean 43.46
Std Dev 3.105
χ² / ndf 85.24 / 138
Prob 0.9999
p0 176.9 ± 57.4
p1 41.26 ± 1.21
p2 3.491 ± 0.403
p3 373.9 ± 81.4
p4 43.31 ± 0.09
p5 1.715 ± 0.192
p6 216.9 ± 19.7
p7 49.53 ± 0.20
p8 1.835 ± 0.128
p9 0.005851 ± 0.778846
p10 45.95 ± 0.75
p11 10.9 ± 0.4
p12 1.542 ± 2.526
p13 −0.02096 ± 0.04974
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400
500
0
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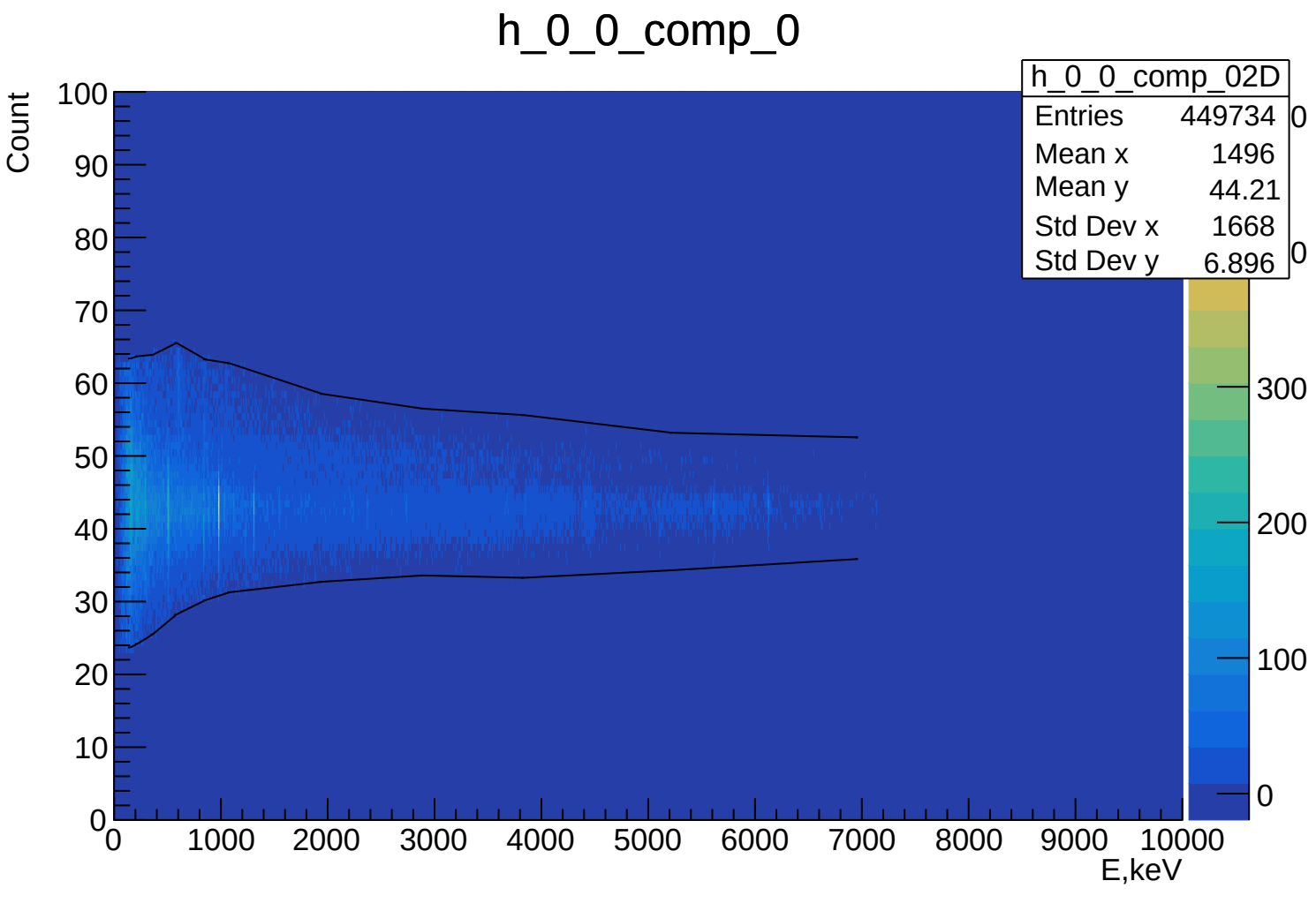
30
40
50
60
70
80
90
100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Entries 449734
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Mean y 44.21
Std Dev x 1668
Std Dev y 6.896
Count
E,keV
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7000
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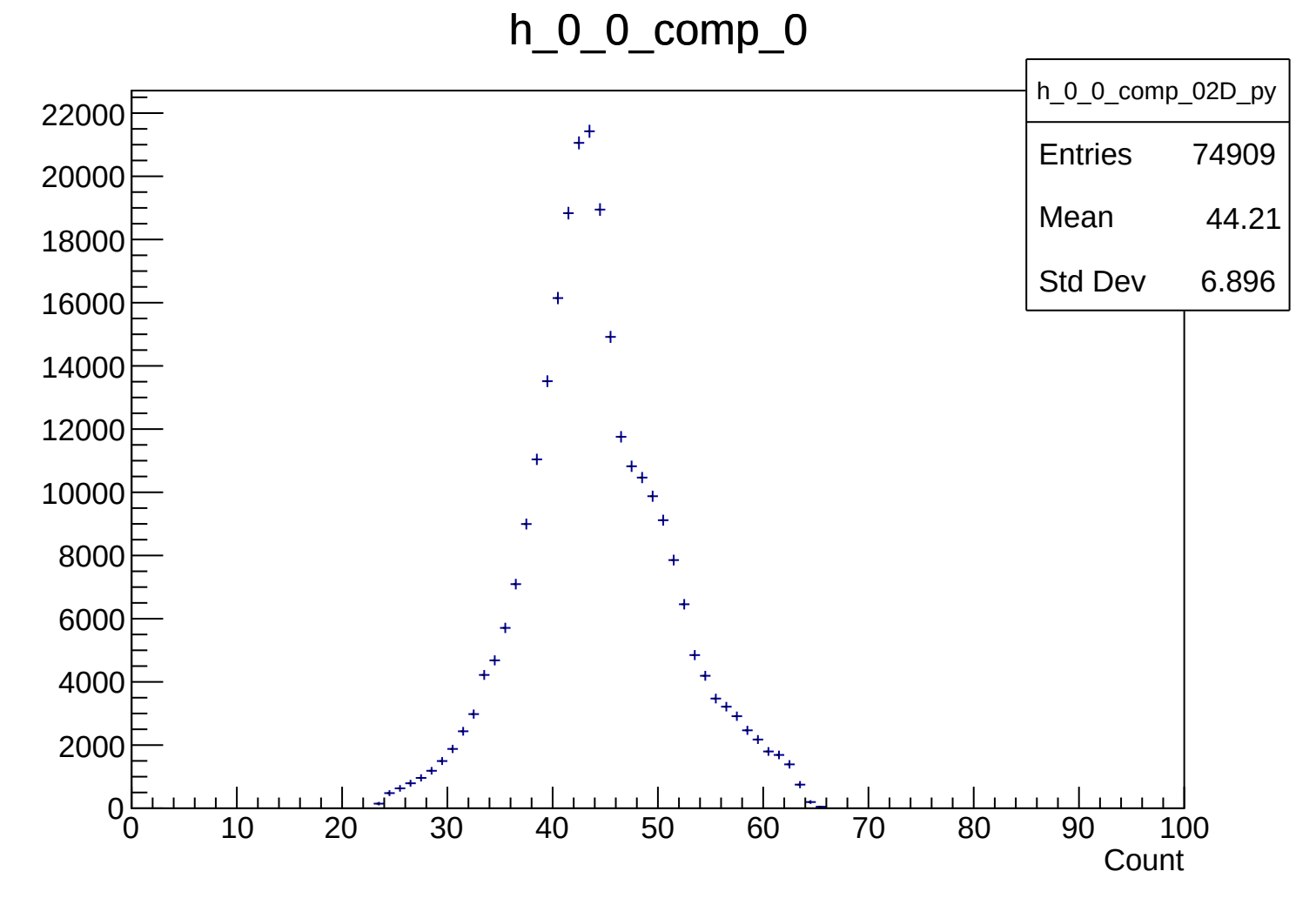
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h_0_0_comp_02D_py
Entries 74909
Mean 44.21
Std Dev 6.896
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20000
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16000
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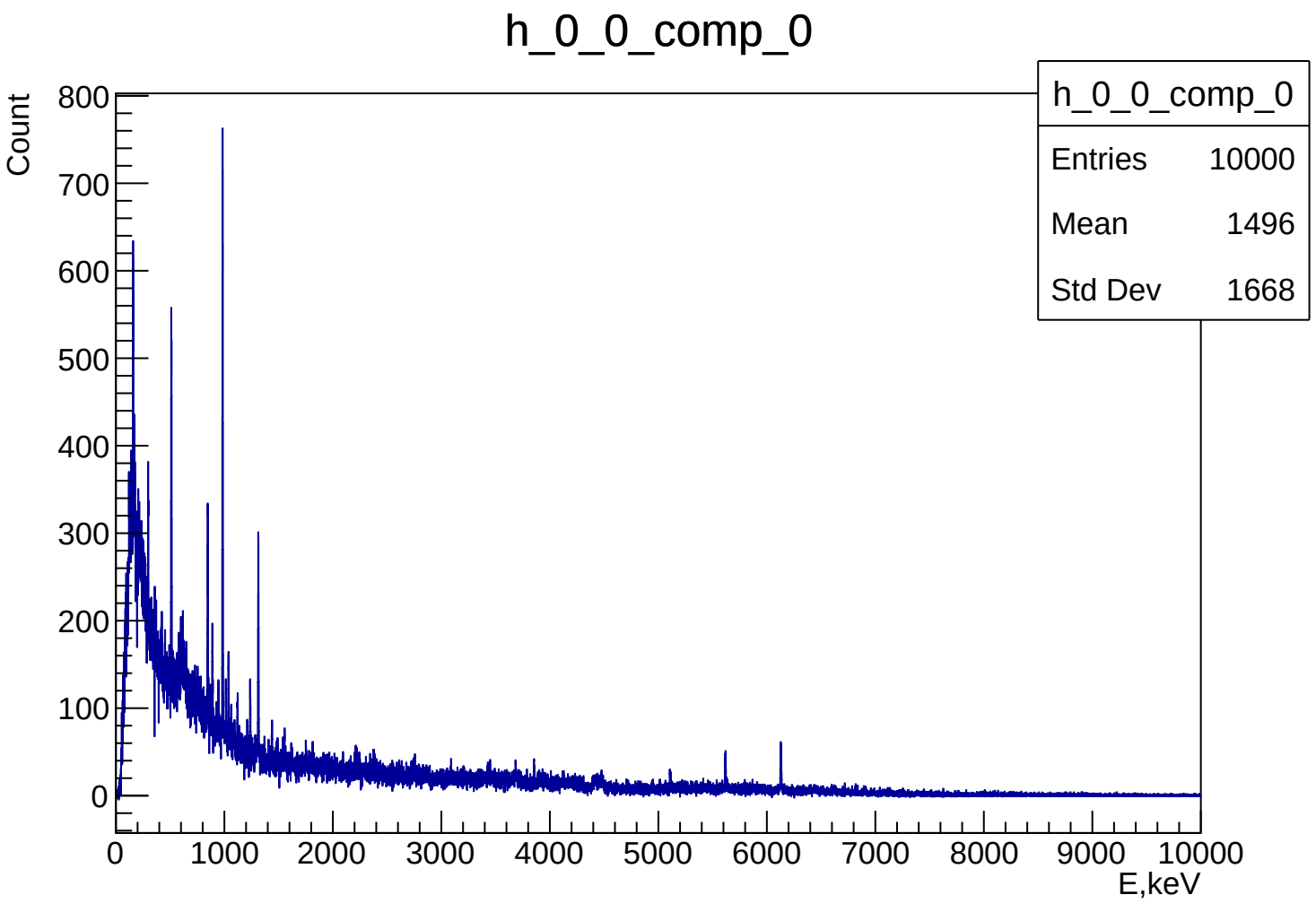
100
Count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h_0_0_comp_0
Entries 10000
Mean 1496
Std Dev 1668
Count
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0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
E,keV