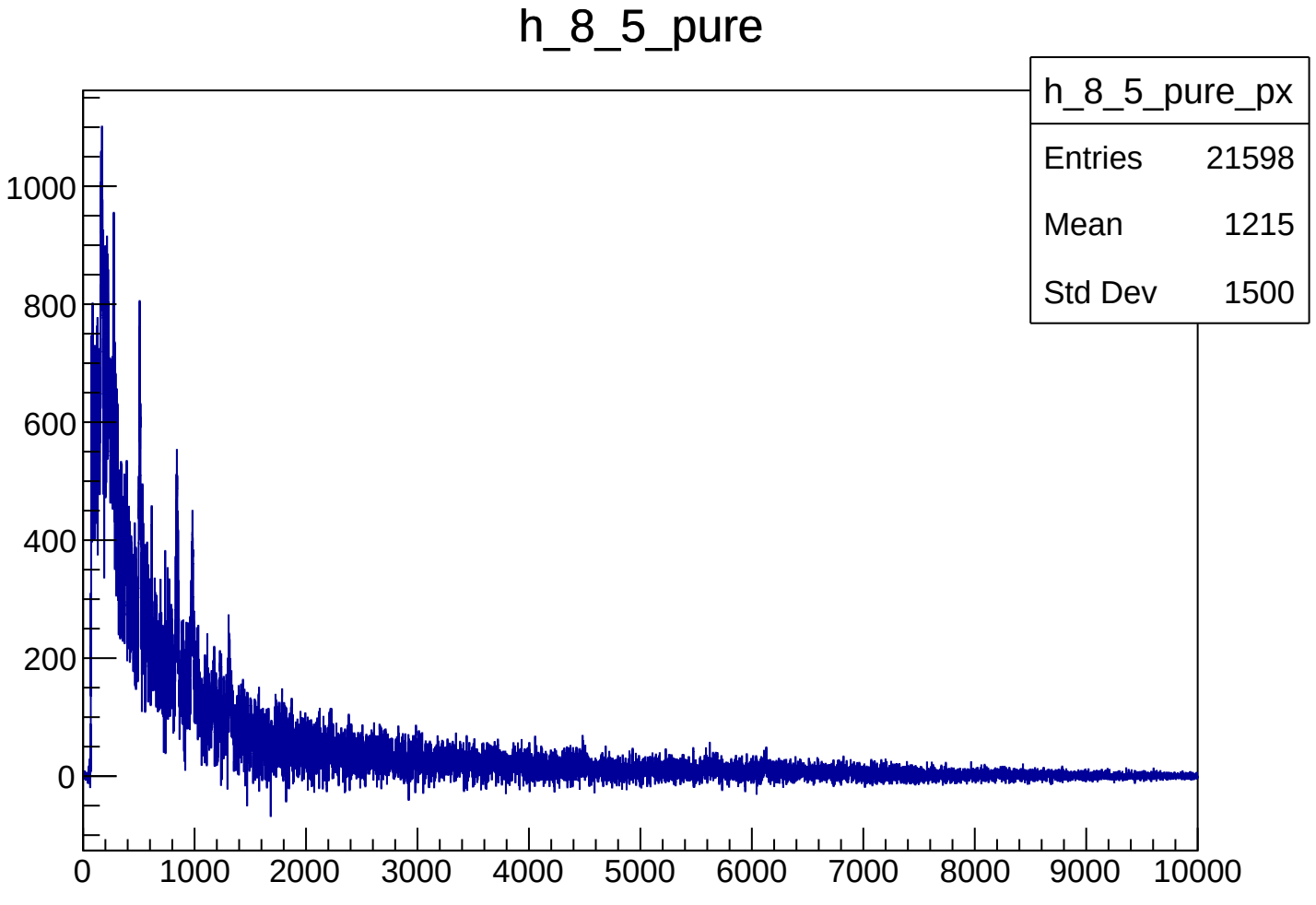
h_8_5_pure
h_8_5_pure_px
Entries 21598
Mean 1215
Std Dev 1500
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800
600
400
200
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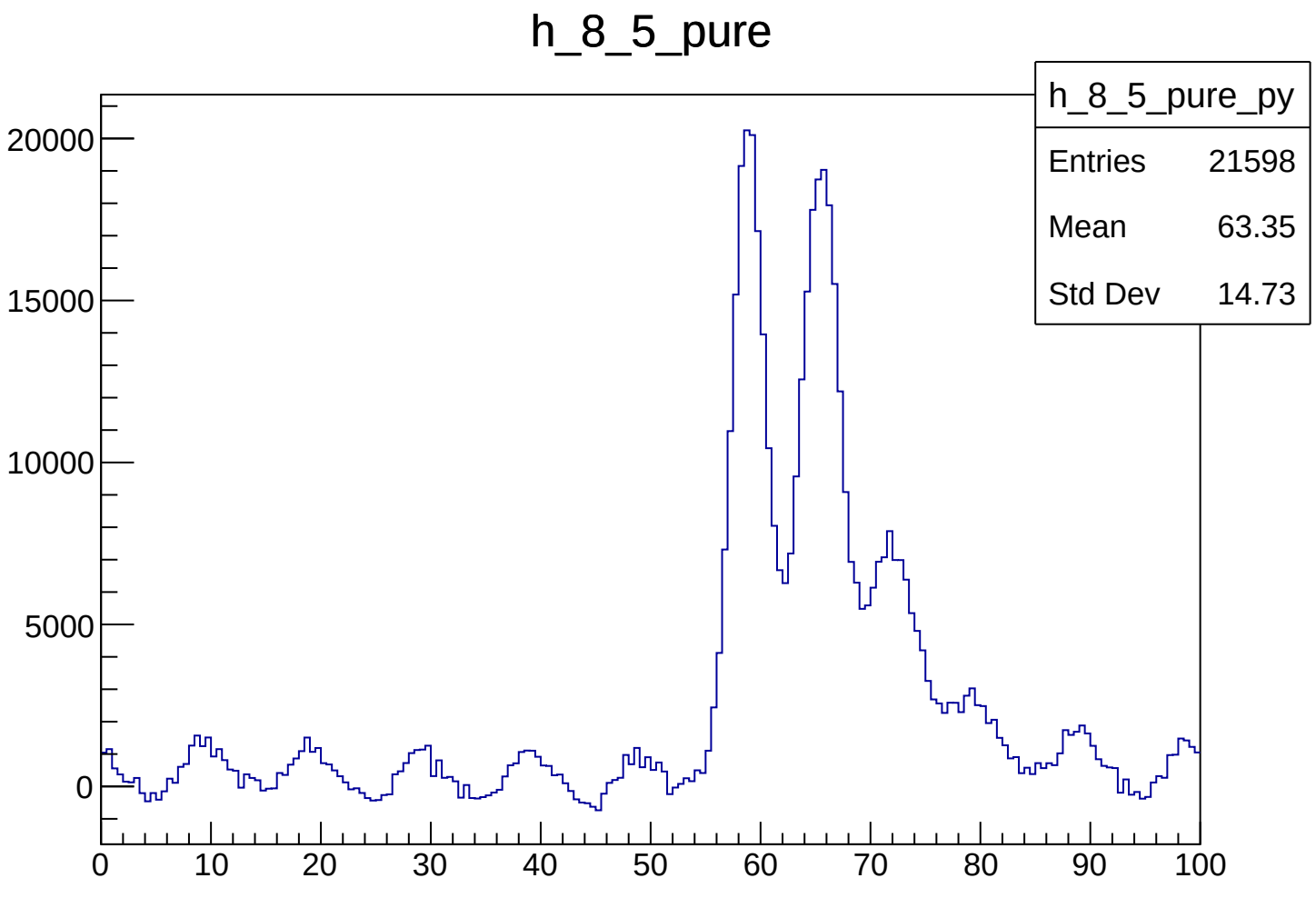
3000
4000
5000
6000
7000
8000
9000
10000


h_8_5_pure
h_8_5_pure_py
Entries 21598
Mean 63.35
Std Dev 14.73
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15000
10000
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30
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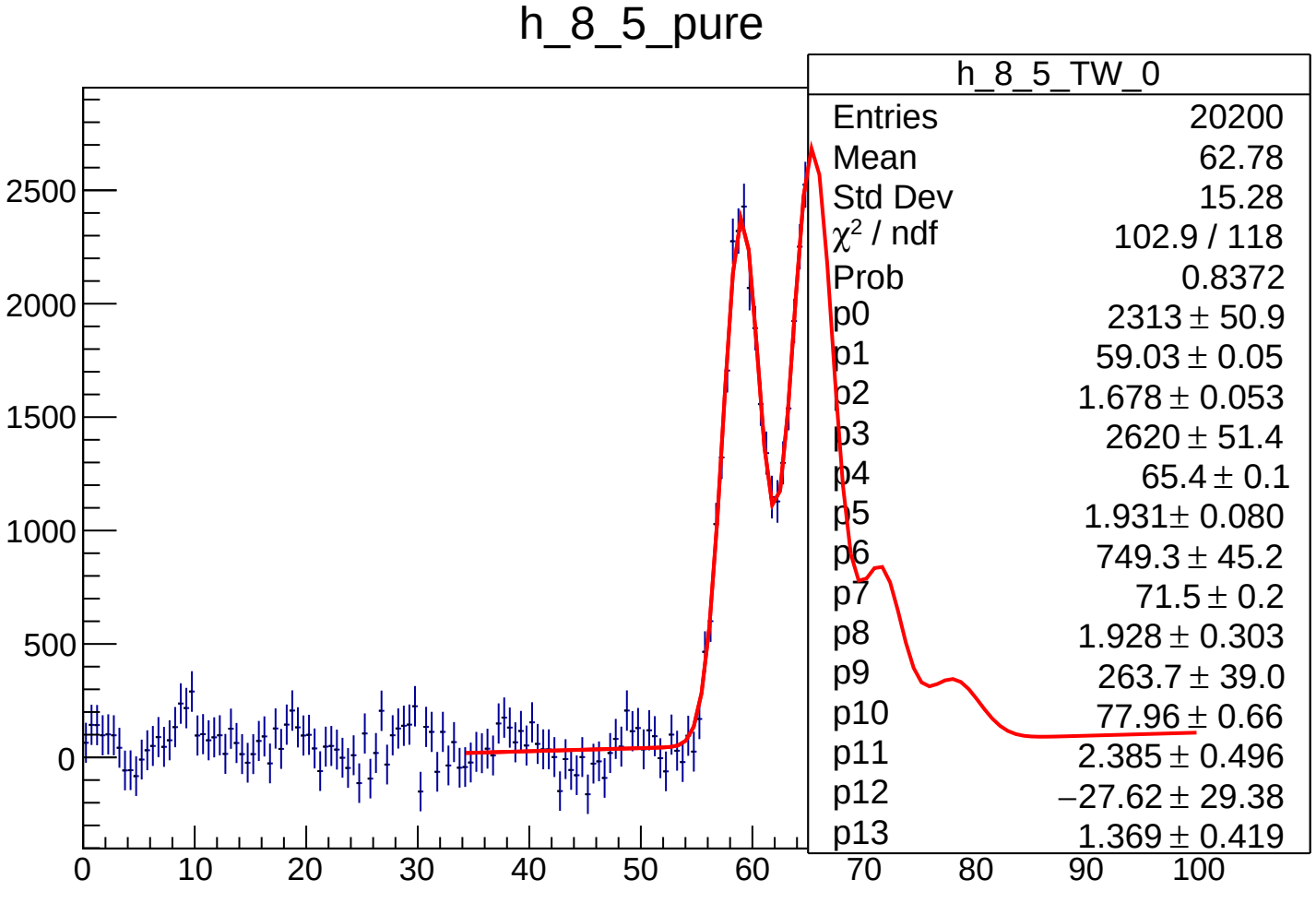
70
80
90
100


h_8_5_pure
h_8_5_TW_0
Entries 20200
Mean 62.78
Std Dev 15.28
χ² / ndf 102.9 / 118
Prob 0.8372
p0 2313 ± 50.9
p1 59.03 ± 0.05
p2 1.678 ± 0.053
p3 2620 ± 51.4
p4 65.4 ± 0.1
p5 1.931 ± 0.080
p6 749.3 ± 45.2
p7 71.5 ± 0.2
p8 1.928 ± 0.303
p9 263.7 ± 39.0
p10 77.96 ± 0.66
p11 2.385 ± 0.496
p12 −27.62 ± 29.38
p13 1.369 ± 0.419
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500
1000
1500
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2500
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30
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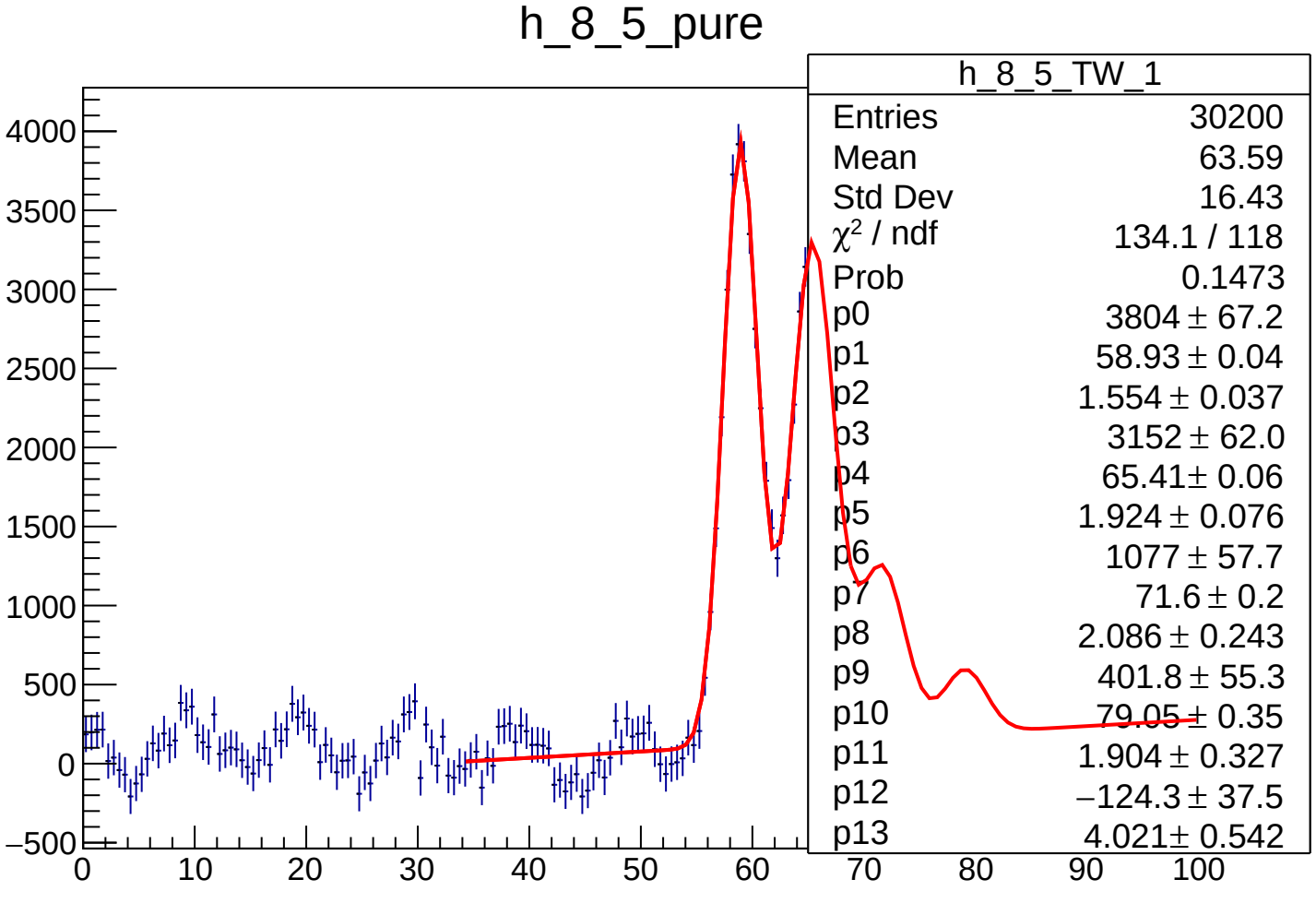
90
100


h_8_5_pure
h_8_5_TW_1
Entries 30200
Mean 63.59
Std Dev 16.43
χ² / ndf 134.1 / 118
Prob 0.1473
p0 3804 ± 67.2
p1 58.93 ± 0.04
p2 1.554 ± 0.037
p3 3152 ± 62.0
p4 65.41 ± 0.06
p5 1.924 ± 0.076
p6 1077 ± 57.7
p7 71.6 ± 0.2
p8 2.086 ± 0.243
p9 401.8 ± 55.3
p10 79.05 ± 0.35
p11 1.904 ± 0.327
p12 −124.3 ± 37.5
p13 4.021 ± 0.542
4000
3500
3000
2500
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1500
1000
500
0
−500
0
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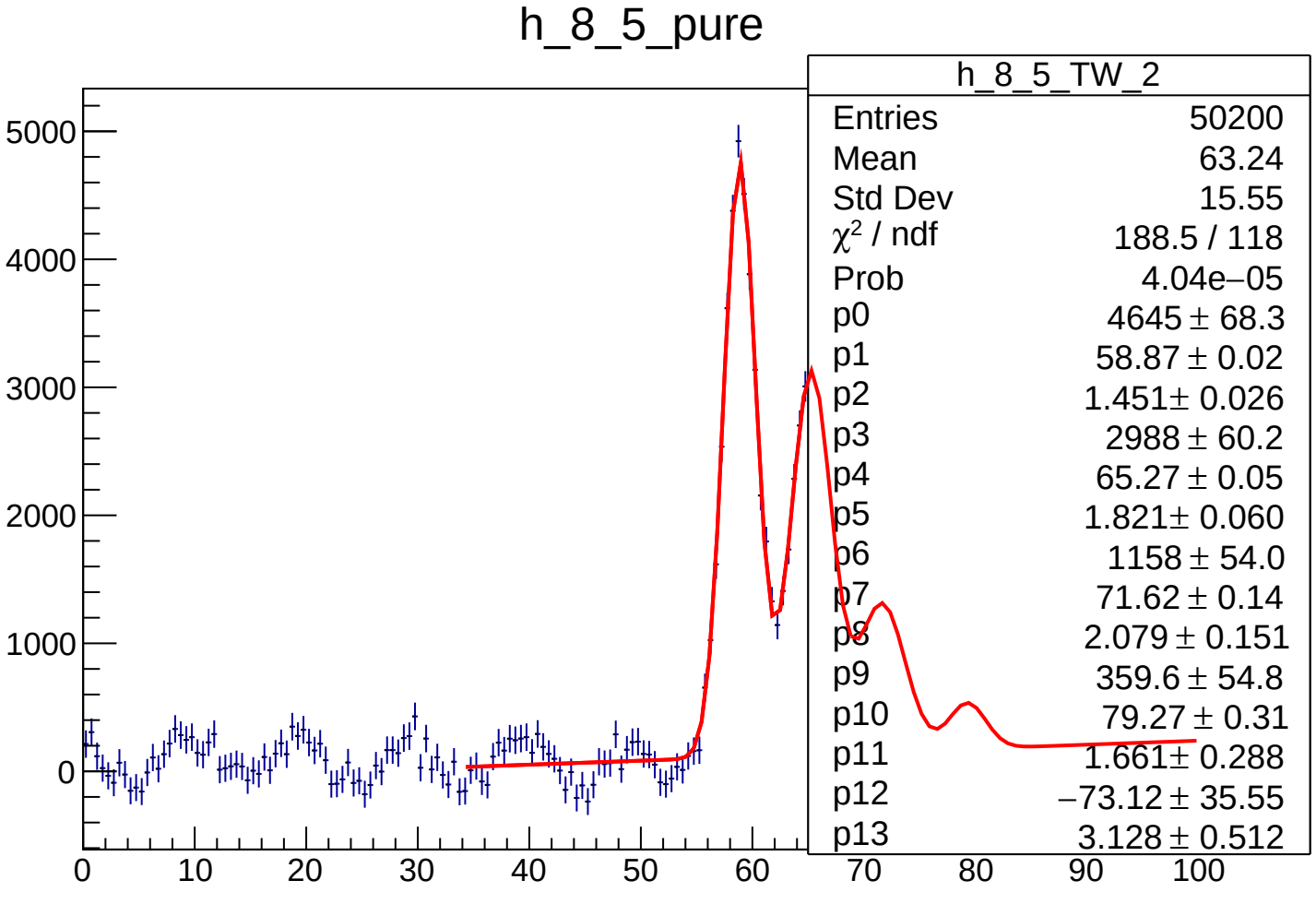
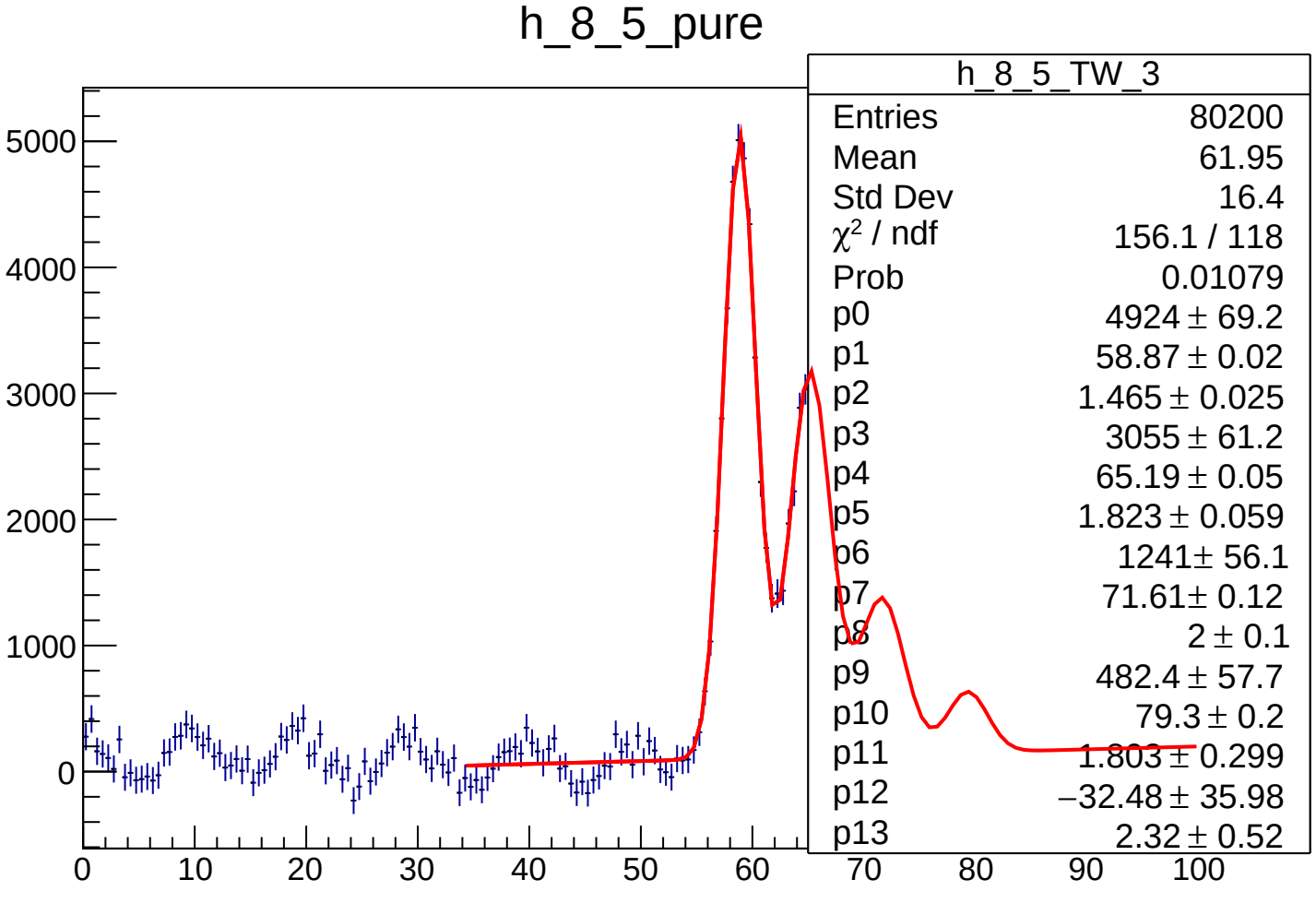
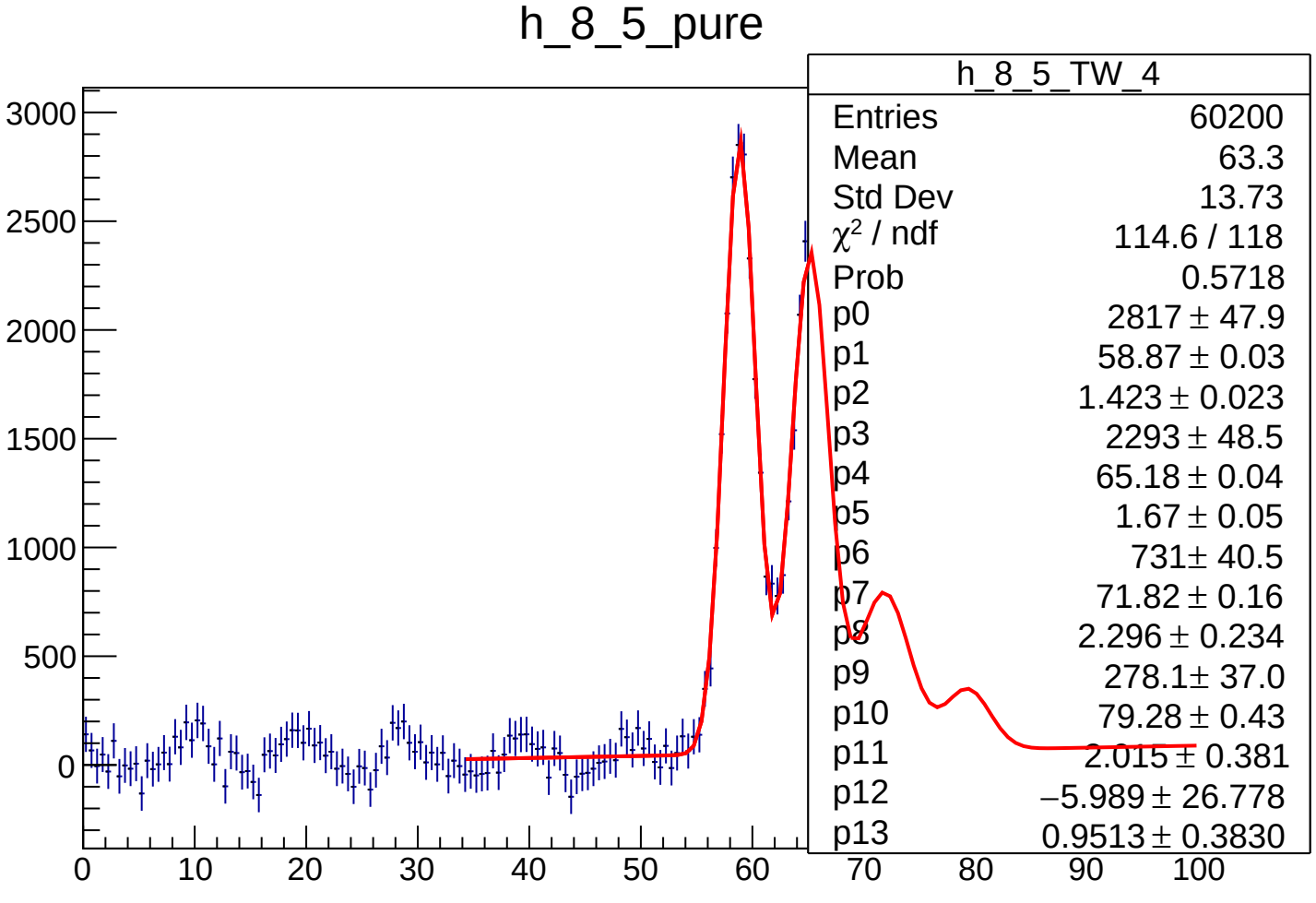
30
40
50
60
70
80
90
100


h_8_5_pure
h_8_5_TW_2
Entries 50200
Mean 63.24
Std Dev 15.55
χ² / ndf 188.5 / 118
Prob 4.04e−05
p0 4645 ± 68.3
p1 58.87 ± 0.02
p2 1.451 ± 0.026
p3 2988 ± 60.2
p4 65.27 ± 0.05
p5 1.821 ± 0.060
p6 1158 ± 54.0
p7 71.62 ± 0.14
p8 2.079 ± 0.151
p9 359.6 ± 54.8
p10 79.27 ± 0.31
p11 1.661 ± 0.288
p12 −73.12 ± 35.55
p13 3.128 ± 0.512
5000
4000
3000
2000
1000
0
0
10
20
30
40
50
60
70
80
90
100


h_8_5_pure
h_8_5_TW_3
Entries 80200
Mean 61.95
Std Dev 16.4
χ² / ndf 156.1 / 118
Prob 0.01079
p0 4924 ± 69.2
p1 58.87 ± 0.02
p2 1.465 ± 0.025
p3 3055 ± 61.2
p4 65.19 ± 0.05
p5 1.823 ± 0.059
p6 1241 ± 56.1
p7 71.61 ± 0.12
p8 2 ± 0.1
p9 482.4 ± 57.7
p10 79.3 ± 0.2
p11 1.803 ± 0.299
p12 −32.48 ± 35.98
p13 2.32 ± 0.52
5000
4000
3000
2000
1000
0
0
10
20
30
40
50
60
70
80
90
100


h_8_5_pure
h_8_5_TW_4
Entries 60200
Mean 63.3
Std Dev 13.73
χ² / ndf 114.6 / 118
Prob 0.5718
p0 2817 ± 47.9
p1 58.87 ± 0.03
p2 1.423 ± 0.023
p3 2293 ± 48.5
p4 65.18 ± 0.04
p5 1.67 ± 0.05
p6 731 ± 40.5
p7 71.82 ± 0.16
p8 2.296 ± 0.234
p9 278.1 ± 37.0
p10 79.28 ± 0.43
p11 2.015 ± 0.381
p12 −5.989 ± 26.778
p13 0.9513 ± 0.3830
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2500
2000
1500
1000
500
0
0
10
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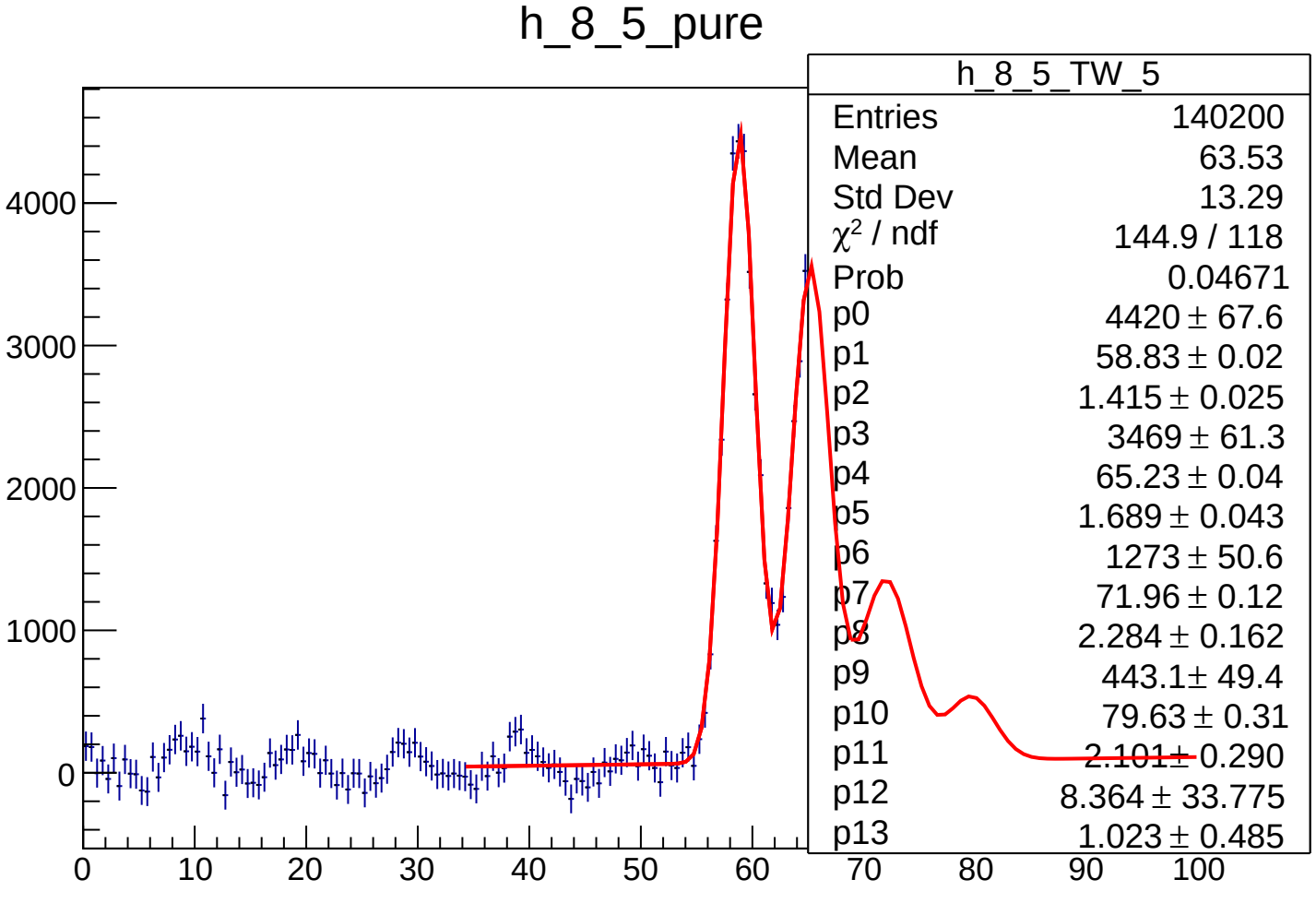
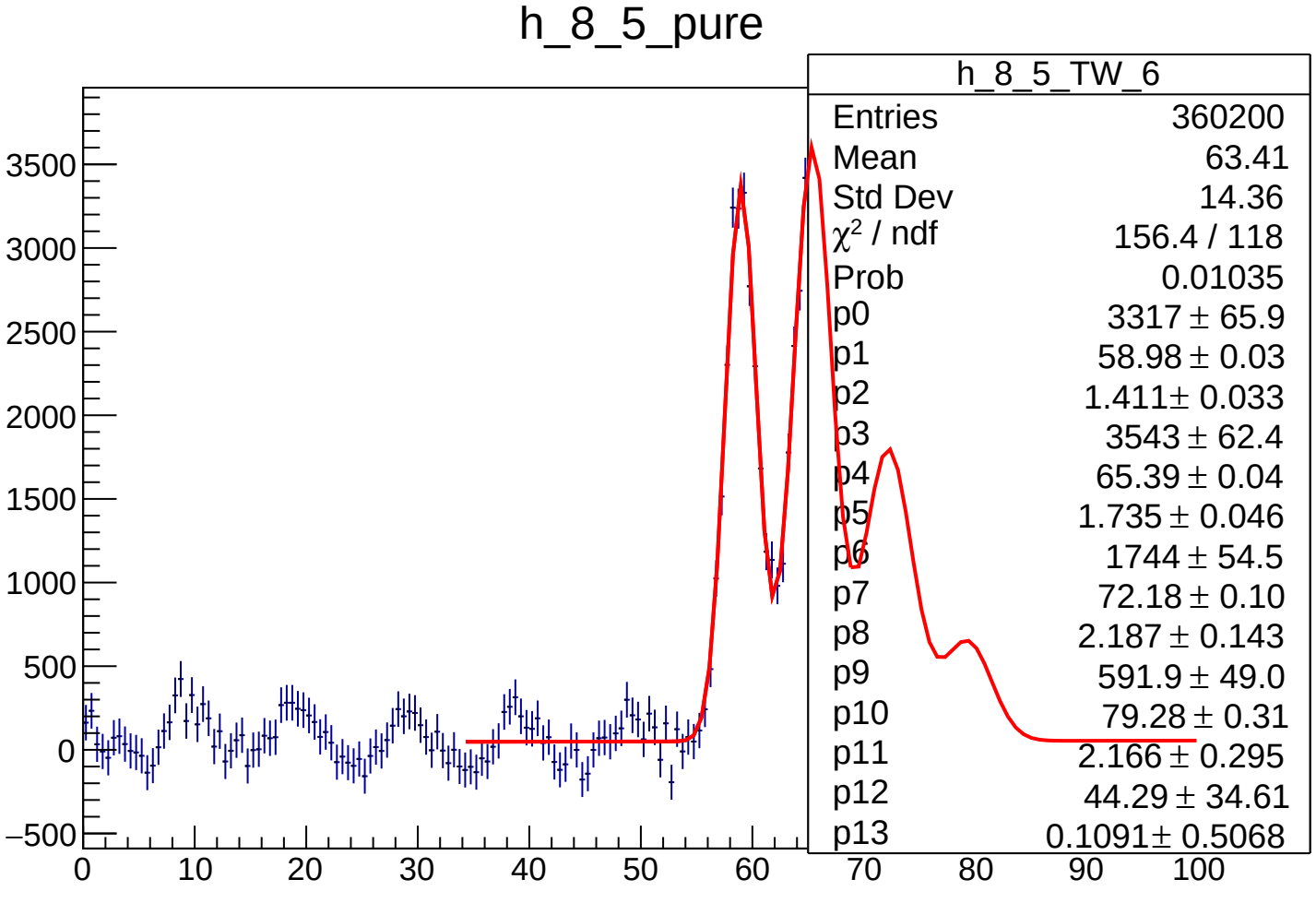
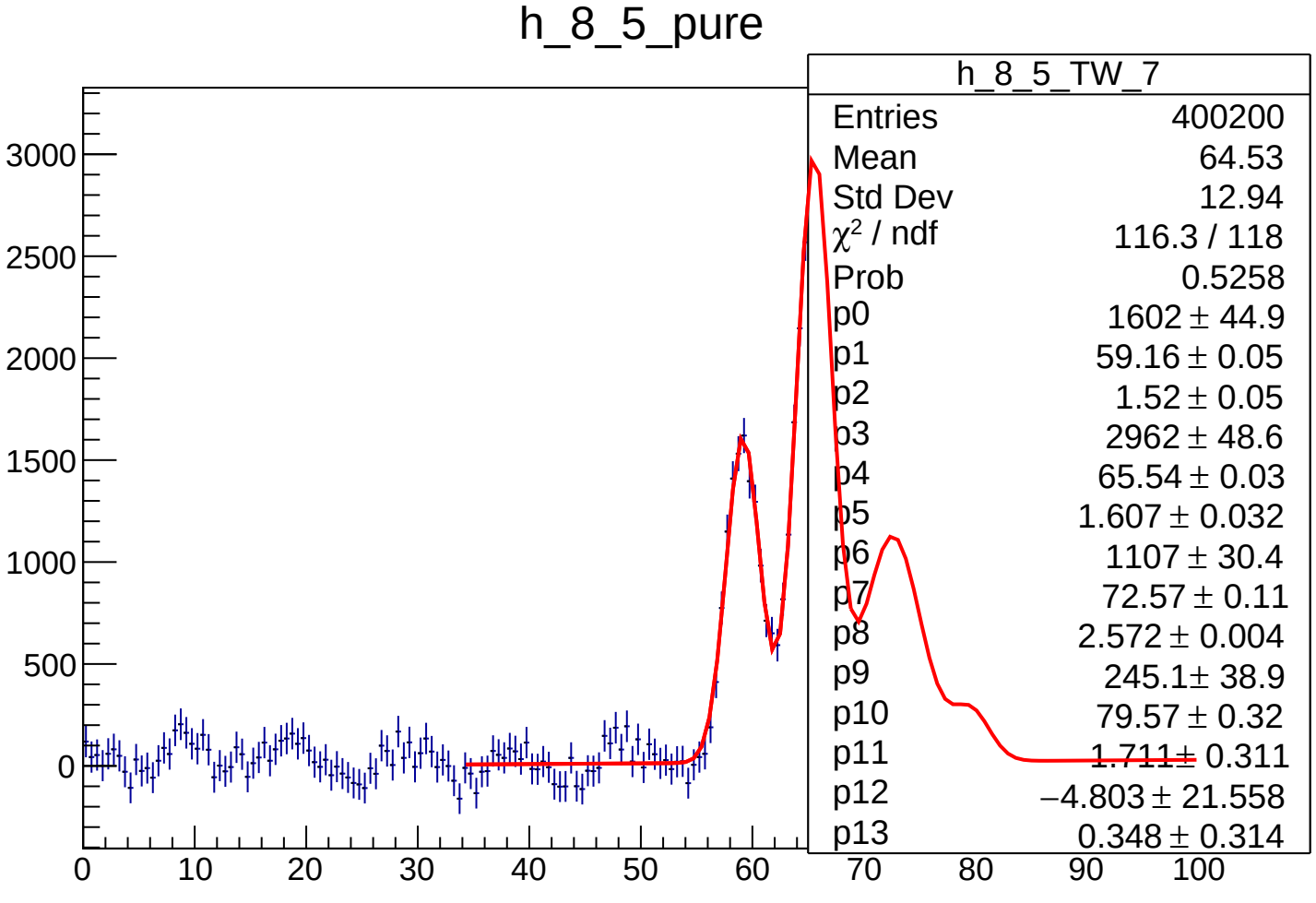
70
80
90
100


h_8_5_pure
h_8_5_TW_5
Entries 140200
Mean 63.53
Std Dev 13.29
χ² / ndf 144.9 / 118
Prob 0.04671
p0 4420 ± 67.6
p1 58.83 ± 0.02
p2 1.415 ± 0.025
p3 3469 ± 61.3
p4 65.23 ± 0.04
p5 1.689 ± 0.043
p6 1273 ± 50.6
p7 71.96 ± 0.12
p8 2.284 ± 0.162
p9 443.1 ± 49.4
p10 79.63 ± 0.31
p11 2.101 ± 0.290
p12 8.364 ± 33.775
p13 1.023 ± 0.485
0
1000
2000
3000
4000
0
10
20
30
40
50
60
70
80
90
100


h_8_5_pure
h_8_5_TW_6
Entries 360200
Mean 63.41
Std Dev 14.36
χ² / ndf 156.4 / 118
Prob 0.01035
p0 3317 ± 65.9
p1 58.98 ± 0.03
p2 1.411 ± 0.033
p3 3543 ± 62.4
p4 65.39 ± 0.04
p5 1.735 ± 0.046
p6 1744 ± 54.5
p7 72.18 ± 0.10
p8 2.187 ± 0.143
p9 591.9 ± 49.0
p10 79.28 ± 0.31
p11 2.166 ± 0.295
p12 44.29 ± 34.61
p13 0.1091 ± 0.5068
3500
3000
2500
2000
1500
1000
500
0
−500
0
10
20
30
40
50
60
70
80
90
100


h_8_5_pure
h_8_5_TW_7
Entries 400200
Mean 64.53
Std Dev 12.94
χ² / ndf 116.3 / 118
Prob 0.5258
p0 1602 ± 44.9
p1 59.16 ± 0.05
p2 1.52 ± 0.05
p3 2962 ± 48.6
p4 65.54 ± 0.03
p5 1.607 ± 0.032
p6 1107 ± 30.4
p7 72.57 ± 0.11
p8 2.572 ± 0.004
p9 245.1 ± 38.9
p10 79.57 ± 0.32
p11 1.711 ± 0.311
p12 −4.803 ± 21.558
p13 0.348 ± 0.314
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2500
2000
1500
1000
500
0
0
10
20
30
40
50
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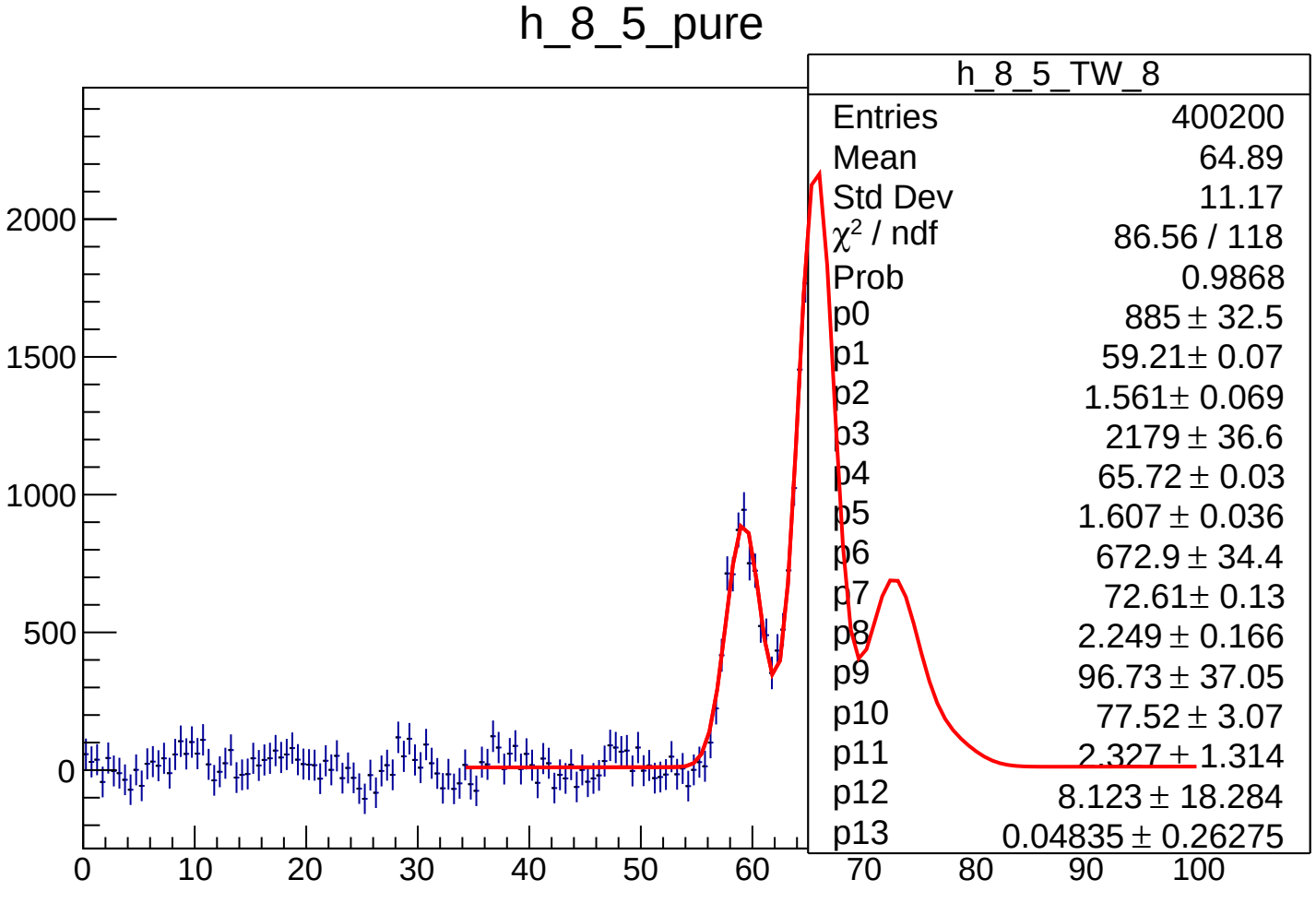
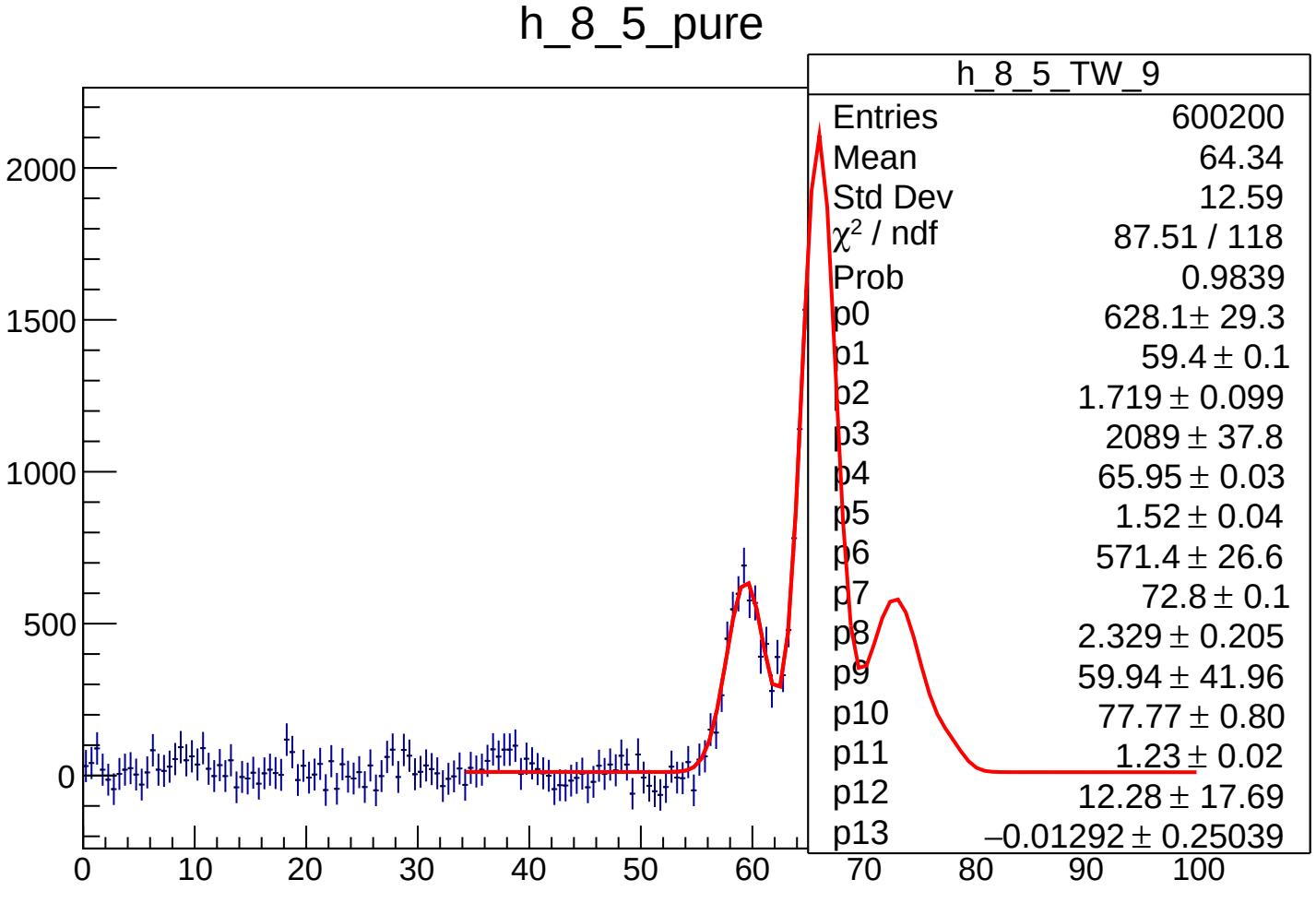
70
80
90
100


h_8_5_pure
h_8_5_TW_8
Entries 400200
Mean 64.89
Std Dev 11.17
χ² / ndf 86.56 / 118
Prob 0.9868
p0 885 ± 32.5
p1 59.21 ± 0.07
p2 1.561 ± 0.069
p3 2179 ± 36.6
p4 65.72 ± 0.03
p5 1.607 ± 0.036
p6 672.9 ± 34.4
p7 72.61 ± 0.13
p8 2.249 ± 0.166
p9 96.73 ± 37.05
p10 77.52 ± 3.07
p11 2.327 ± 1.314
p12 8.123 ± 18.284
p13 0.04835 ± 0.26275
0
500
1000
1500
2000
0
10
20
30
40
50
60
70
80
90
100


h_8_5_pure
h_8_5_TW_9
Entries 600200
Mean 64.34
Std Dev 12.59
χ² / ndf 87.51 / 118
Prob 0.9839
p0 628.1 ± 29.3
p1 59.4 ± 0.1
p2 1.719 ± 0.099
p3 2089 ± 37.8
p4 65.95 ± 0.03
p5 1.52 ± 0.04
p6 571.4 ± 26.6
p7 72.8 ± 0.1
p8 2.329 ± 0.205
p9 59.94 ± 41.96
p10 77.77 ± 0.80
p11 1.23 ± 0.02
p12 12.28 ± 17.69
p13 −0.01292 ± 0.25039
0
500
1000
1500
2000
0
10
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30
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50
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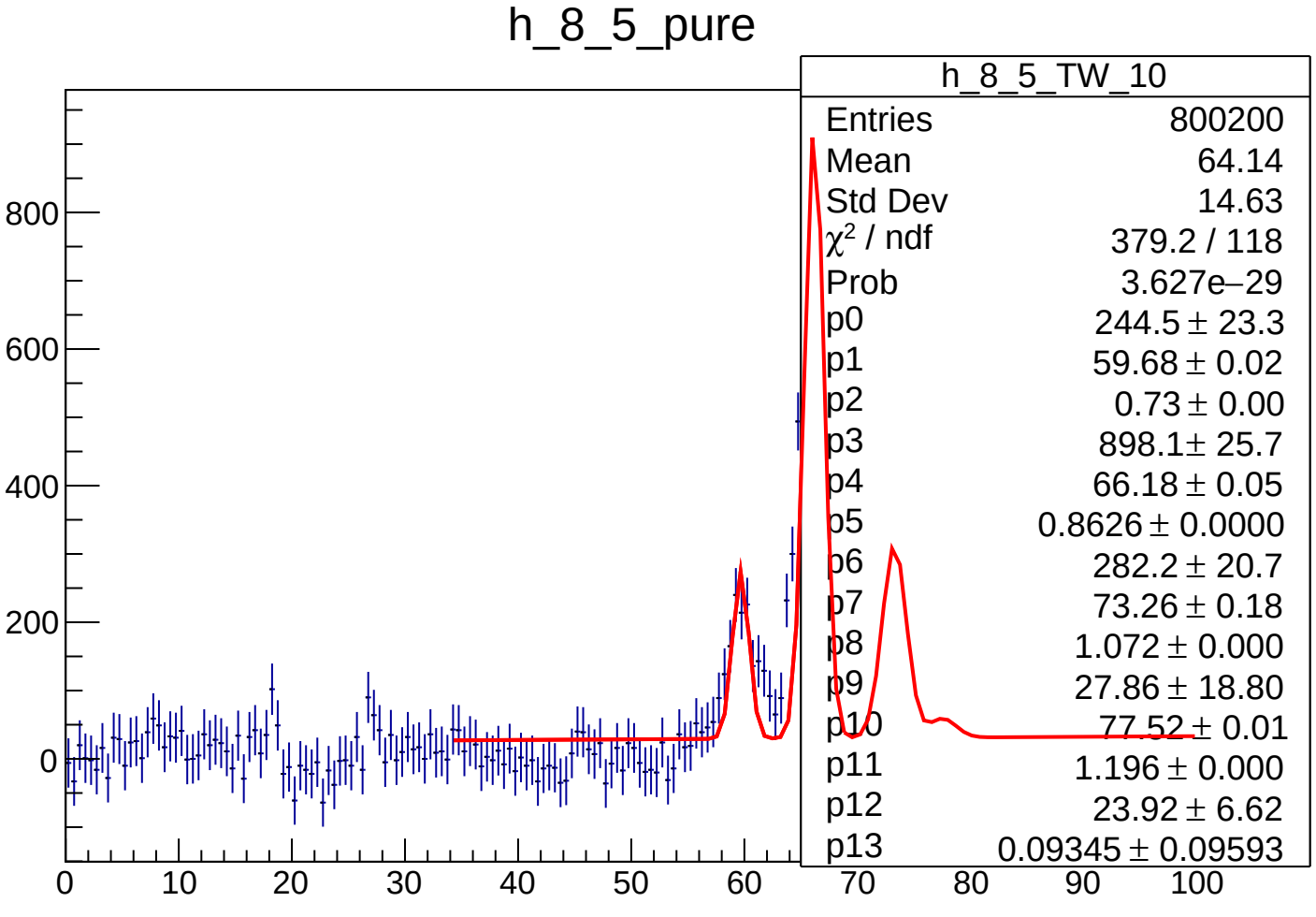
70
80
90
100


h_8_5_pure
h_8_5_TW_10
Entries 800200
Mean 64.14
Std Dev 14.63
χ² / ndf 379.2 / 118
Prob 3.627e−29
p0 244.5 ± 23.3
p1 59.68 ± 0.02
p2 0.73 ± 0.00
p3 898.1 ± 25.7
p4 66.18 ± 0.05
p5 0.8626 ± 0.0000
p6 282.2 ± 20.7
p7 73.26 ± 0.18
p8 1.072 ± 0.000
p9 27.86 ± 18.80
p10 77.52 ± 0.01
p11 1.196 ± 0.000
p12 23.92 ± 6.62
p13 0.09345 ± 0.09593
0
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400
600
800
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30
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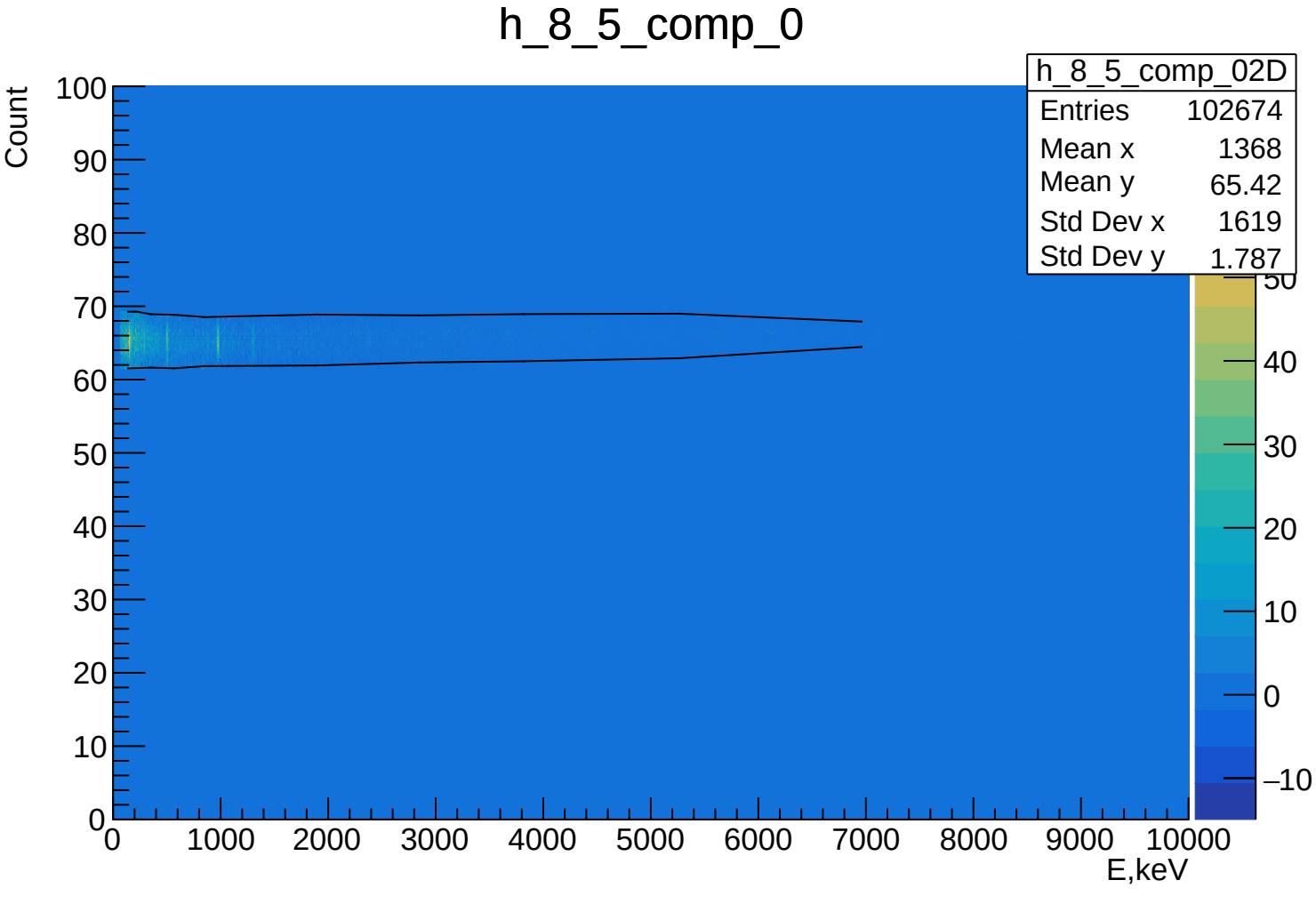
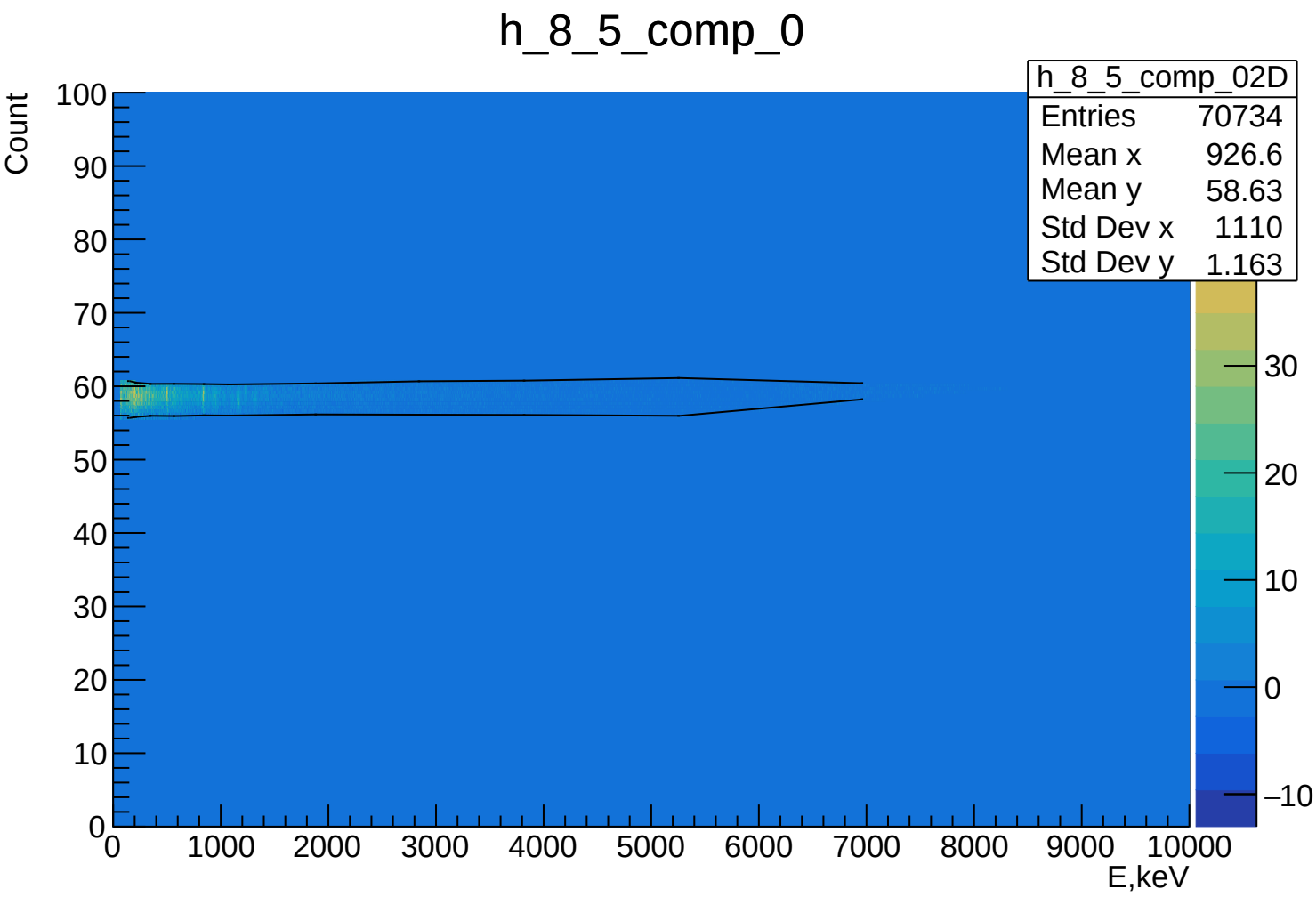
90
100


h_8_5_comp_0
h_8_5_comp_02D
Entries 102674
Mean x 1368
Mean y 65.42
Std Dev x 1619
Std Dev y 1.787
Count
E,keV
0
10
20
30
40
50
60
70
80
90
100
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
–10


h_8_5_comp_0
h_8_5_comp_02D
Entries 70734
Mean x 926.6
Mean y 58.63
Std Dev x 1110
Std Dev y 1.163
Count
E,keV
0
10
20
30
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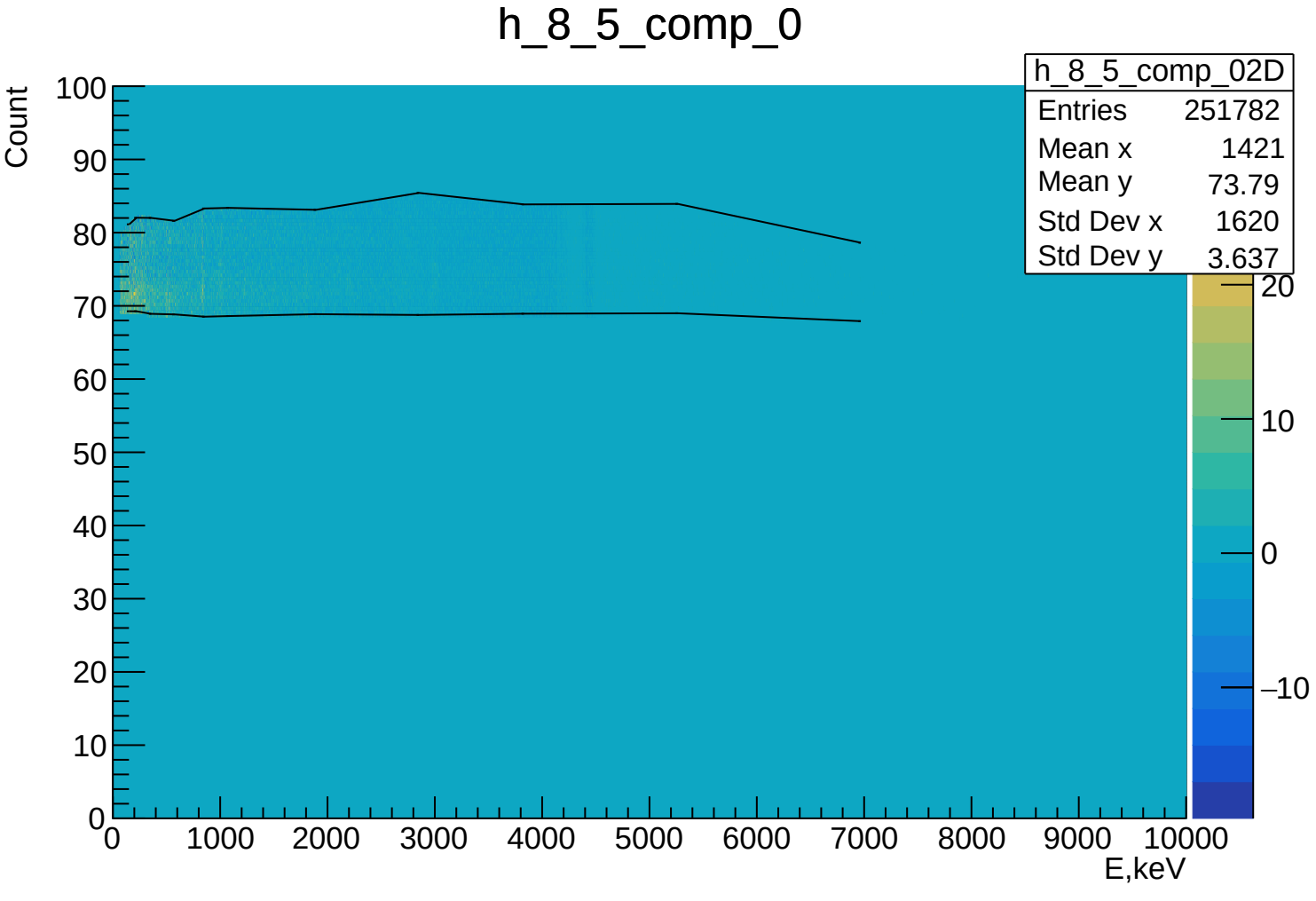
70
80
90
100
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
–10


h_8_5_comp_0
h_8_5_comp_02D
Entries 251782
Mean x 1421
Mean y 73.79
Std Dev x 1620
Std Dev y 3.637
Count
E,keV
0
10
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70
80
90
100
1000
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5000
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7000
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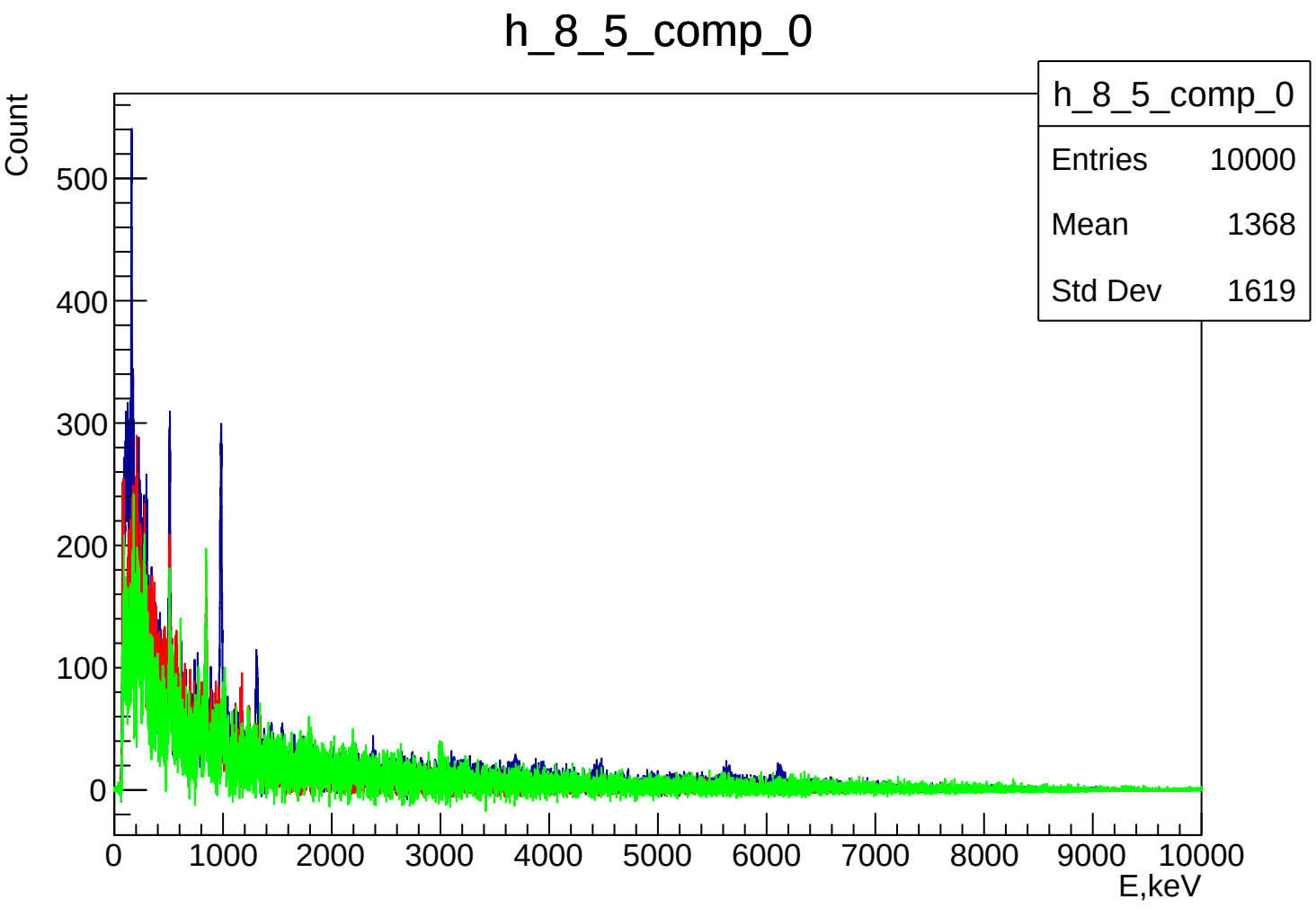
9000
10000
–10


h_8_5_comp_0
h_8_5_comp_0
Entries 10000
Mean 1368
Std Dev 1619
Count
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300
200
100
0
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
E,keV