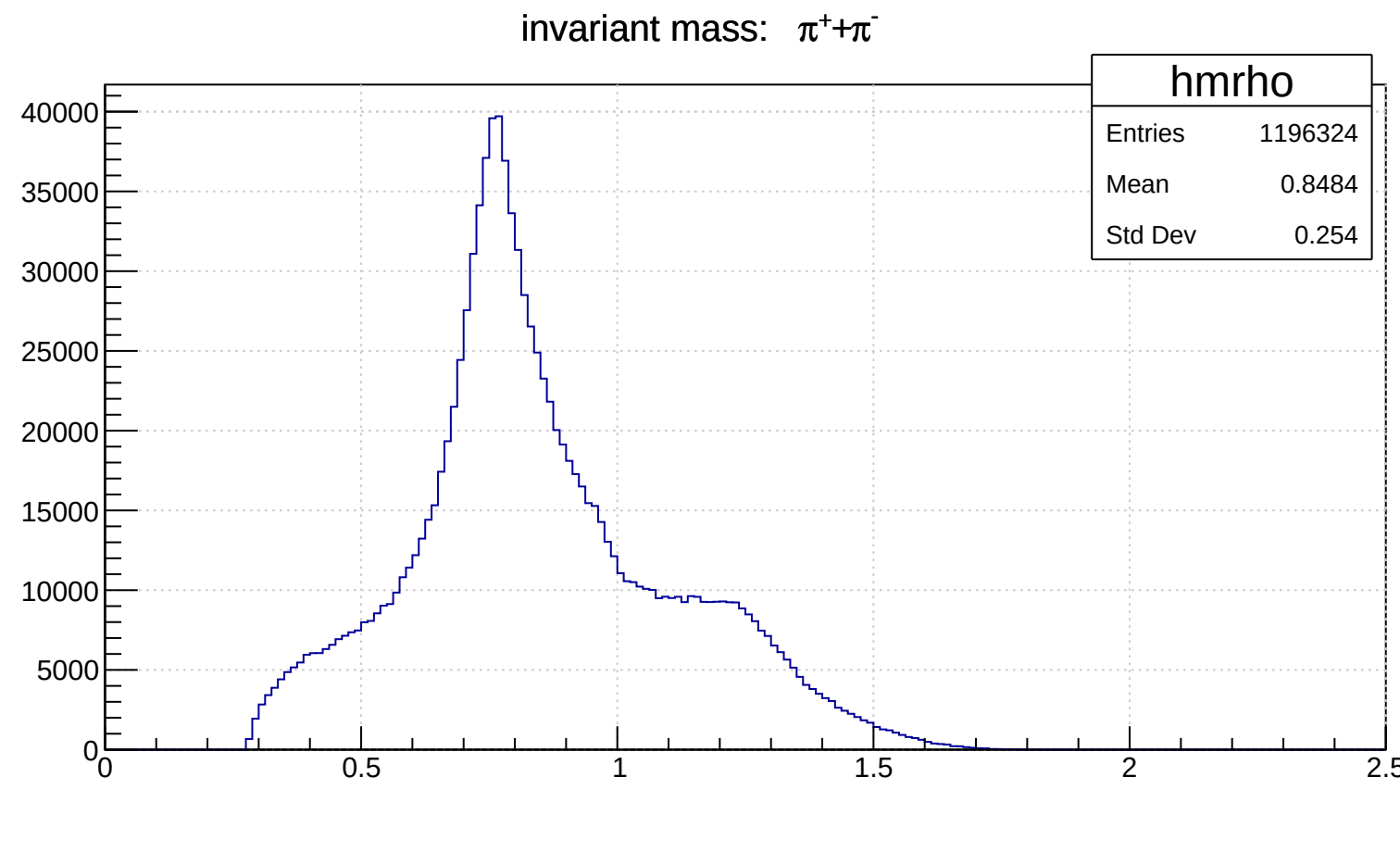
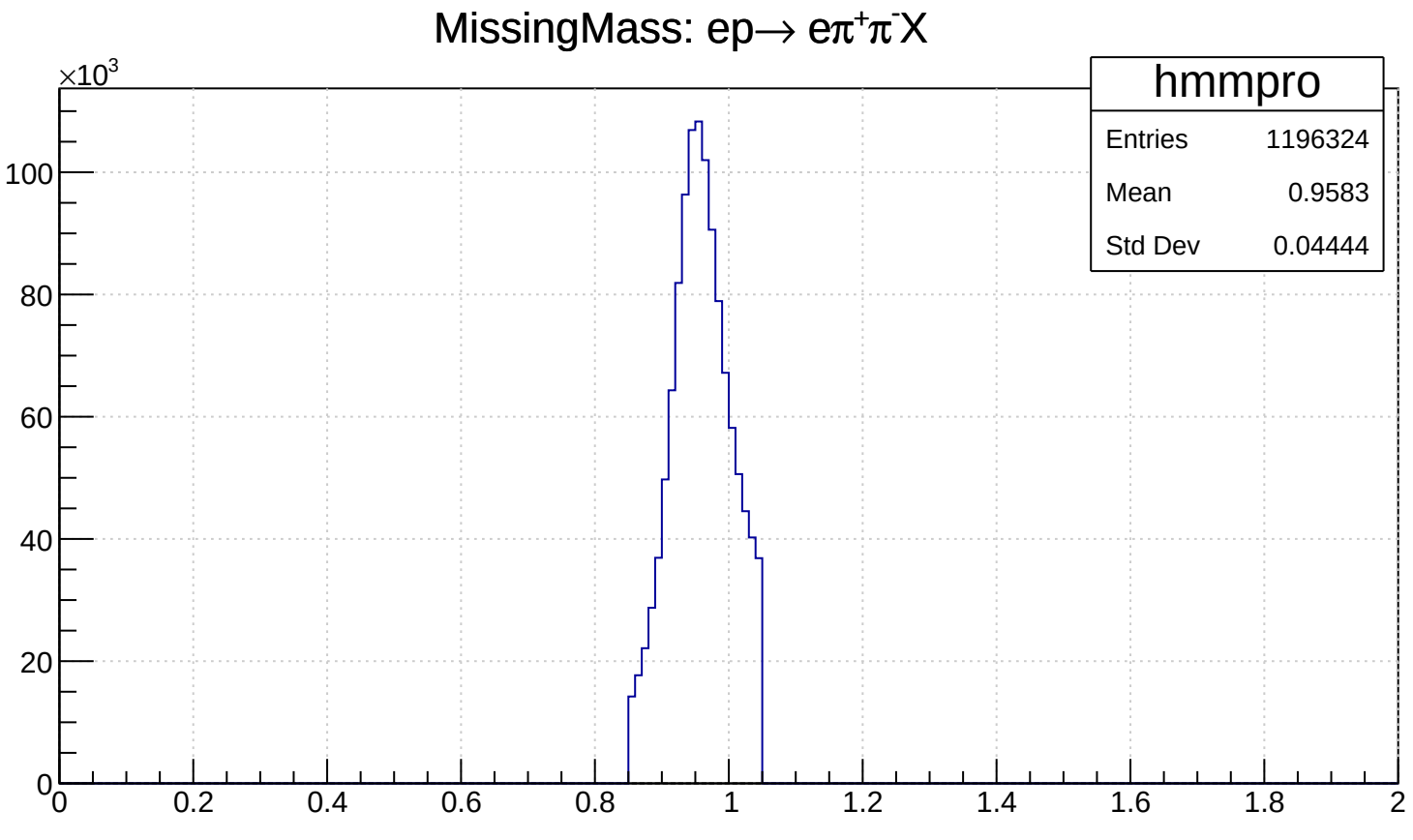
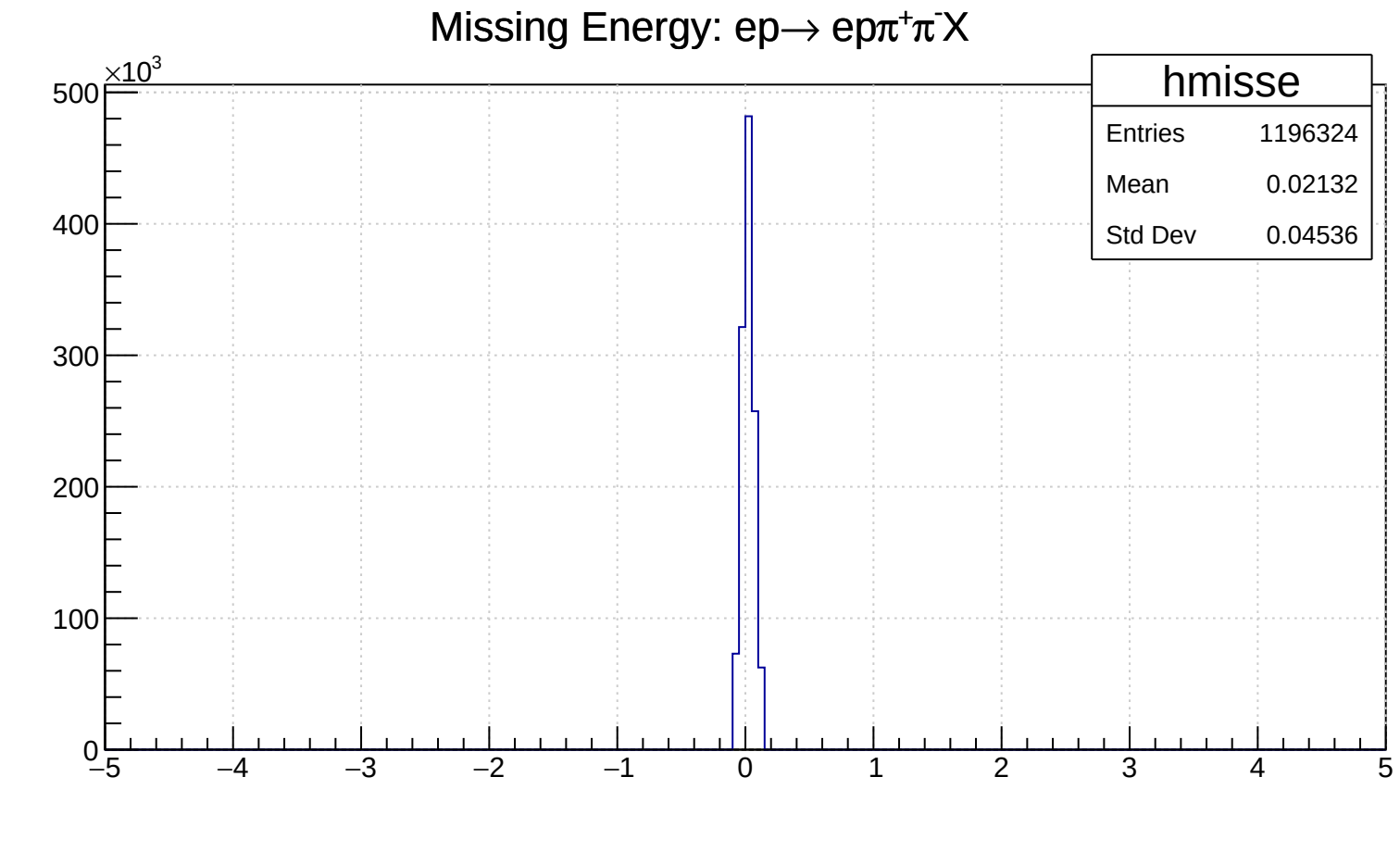
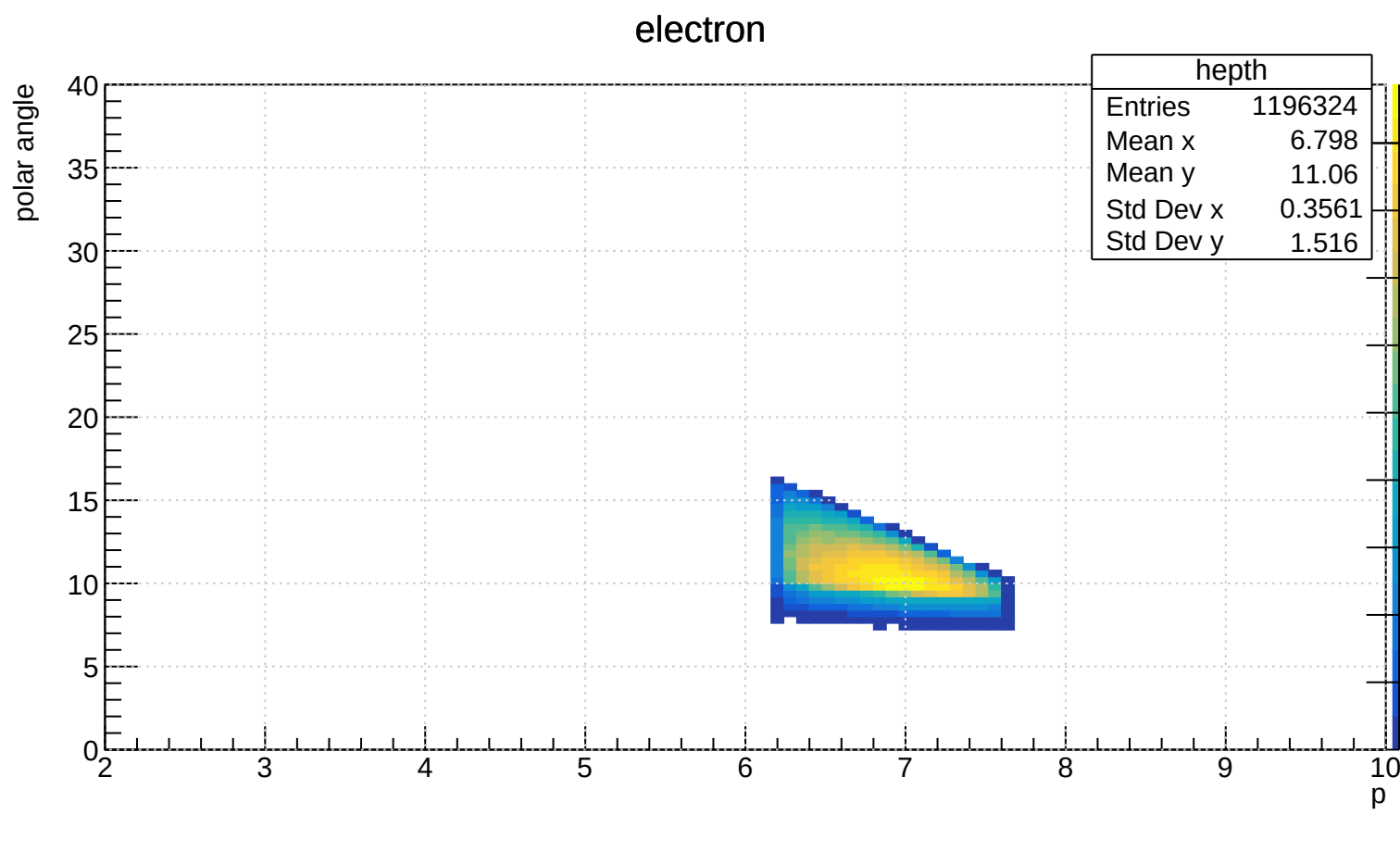
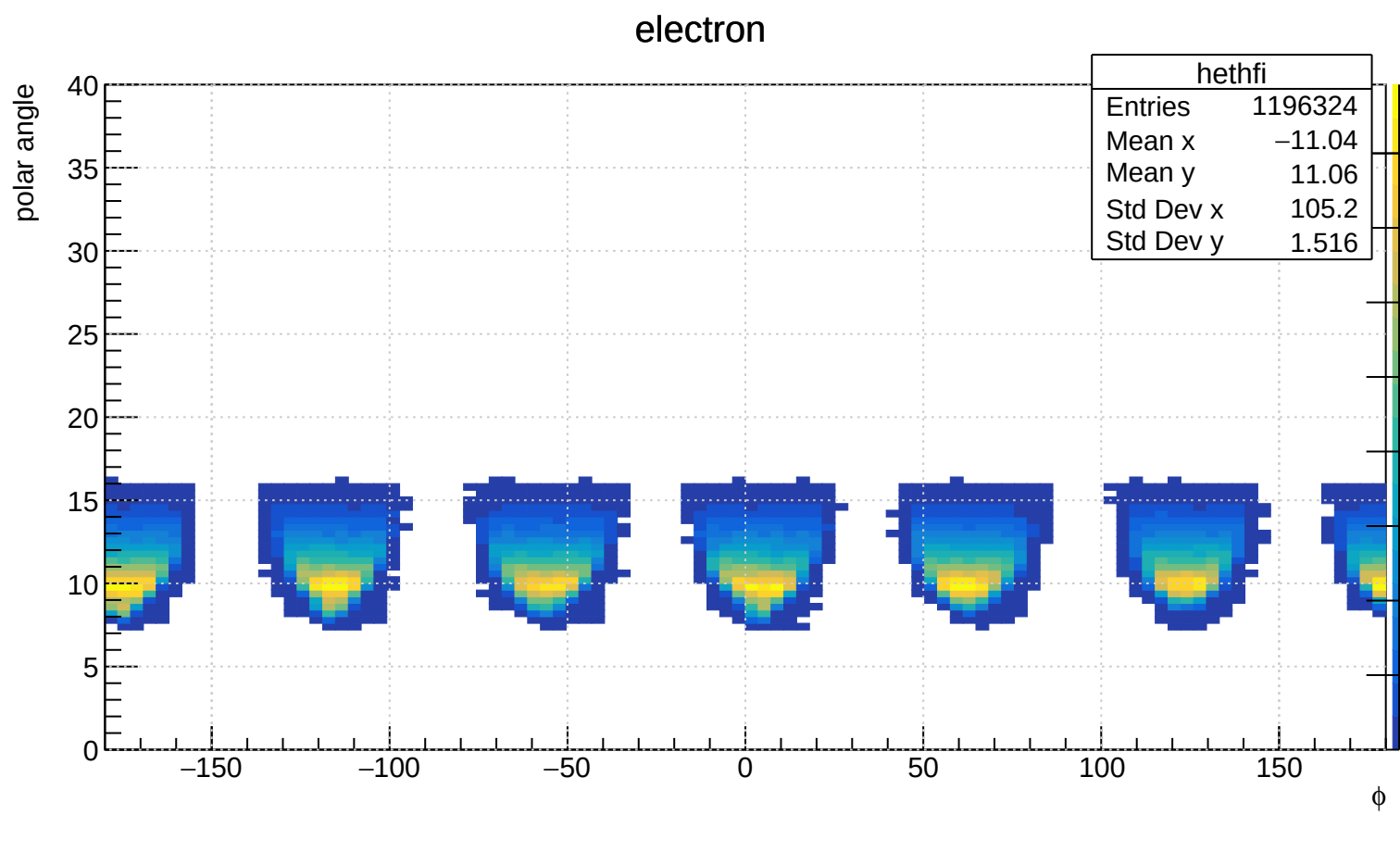
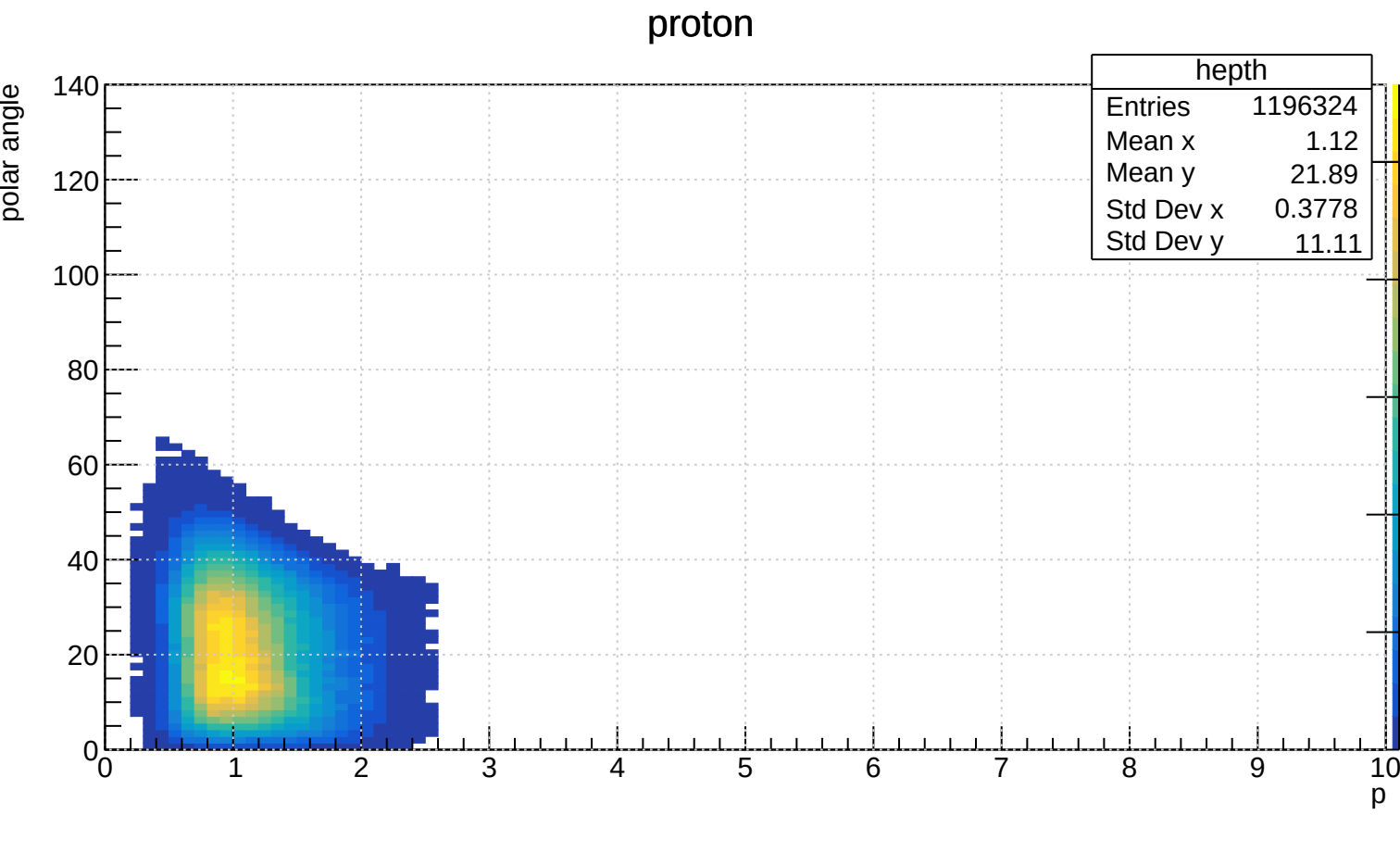

invariant mass: π+π-
hmrho
Entries 1196324
Mean 0.8484
Std Dev 0.254
40000
35000
30000
25000
20000
15000
10000
5000
0
0
0.5
1
1.5
2
2.5

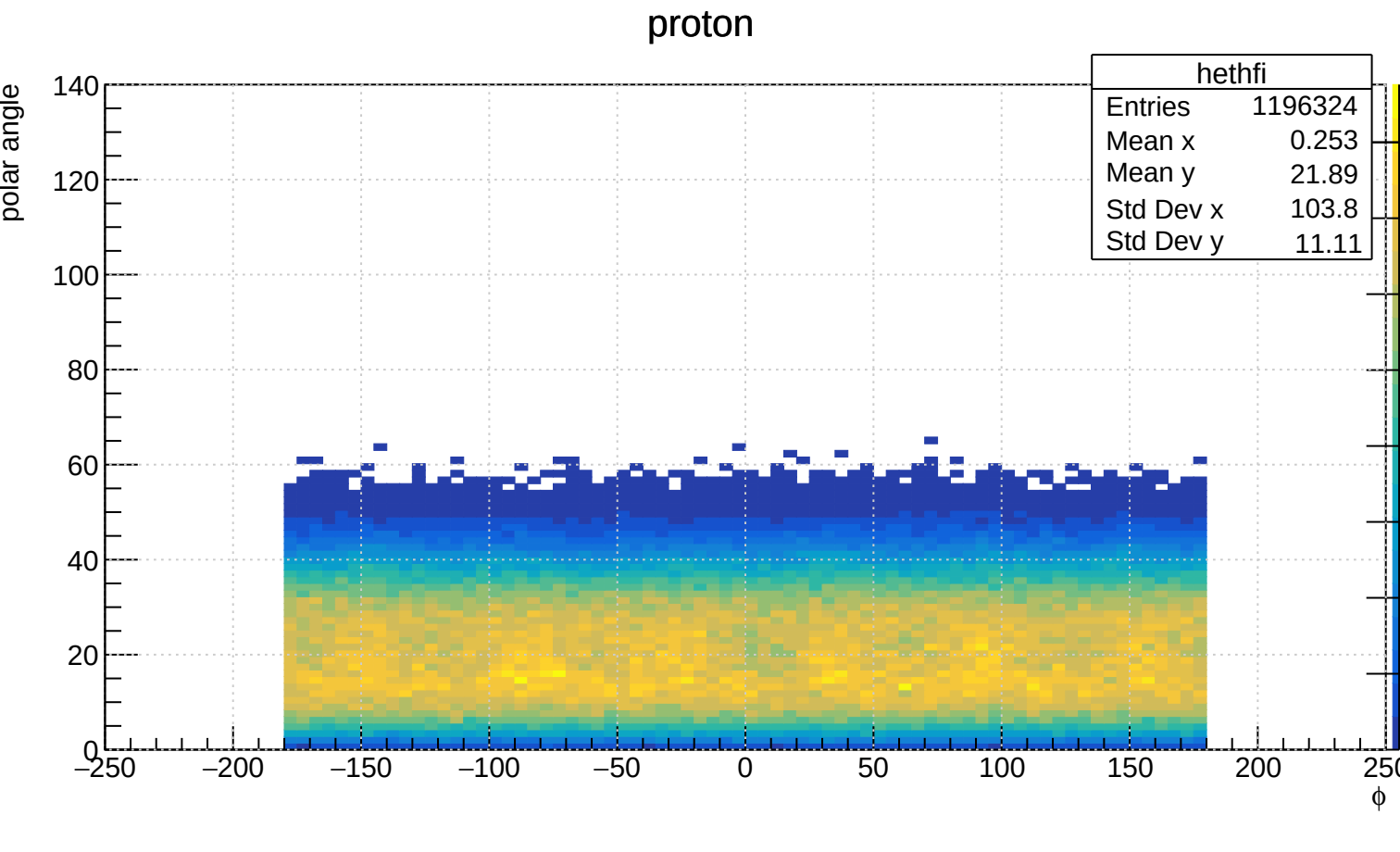

MissingMass: ep→ eπ+π-X
×10^3
hmmpro
Entries 1196324
Mean 0.9583
Std Dev 0.04444
100
80
60
40
20
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2

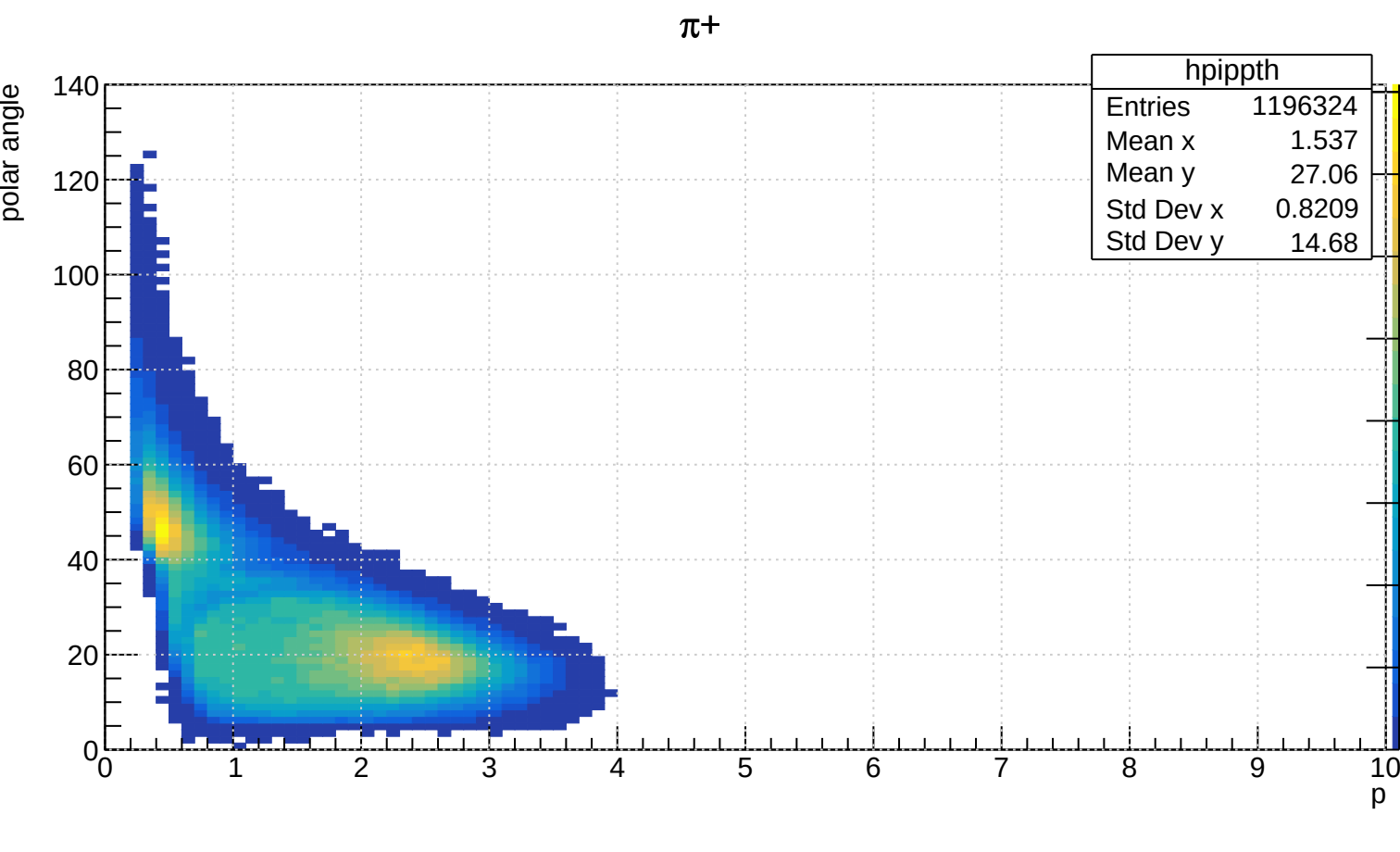

Missing Energy: ep→ epπ+π-X
×10^3
500
400
300
200
100
0
−5
−4
−3
−2
−1
0
1
2
3
4
5
hmisse
Entries 1196324
Mean 0.02132
Std Dev 0.04536

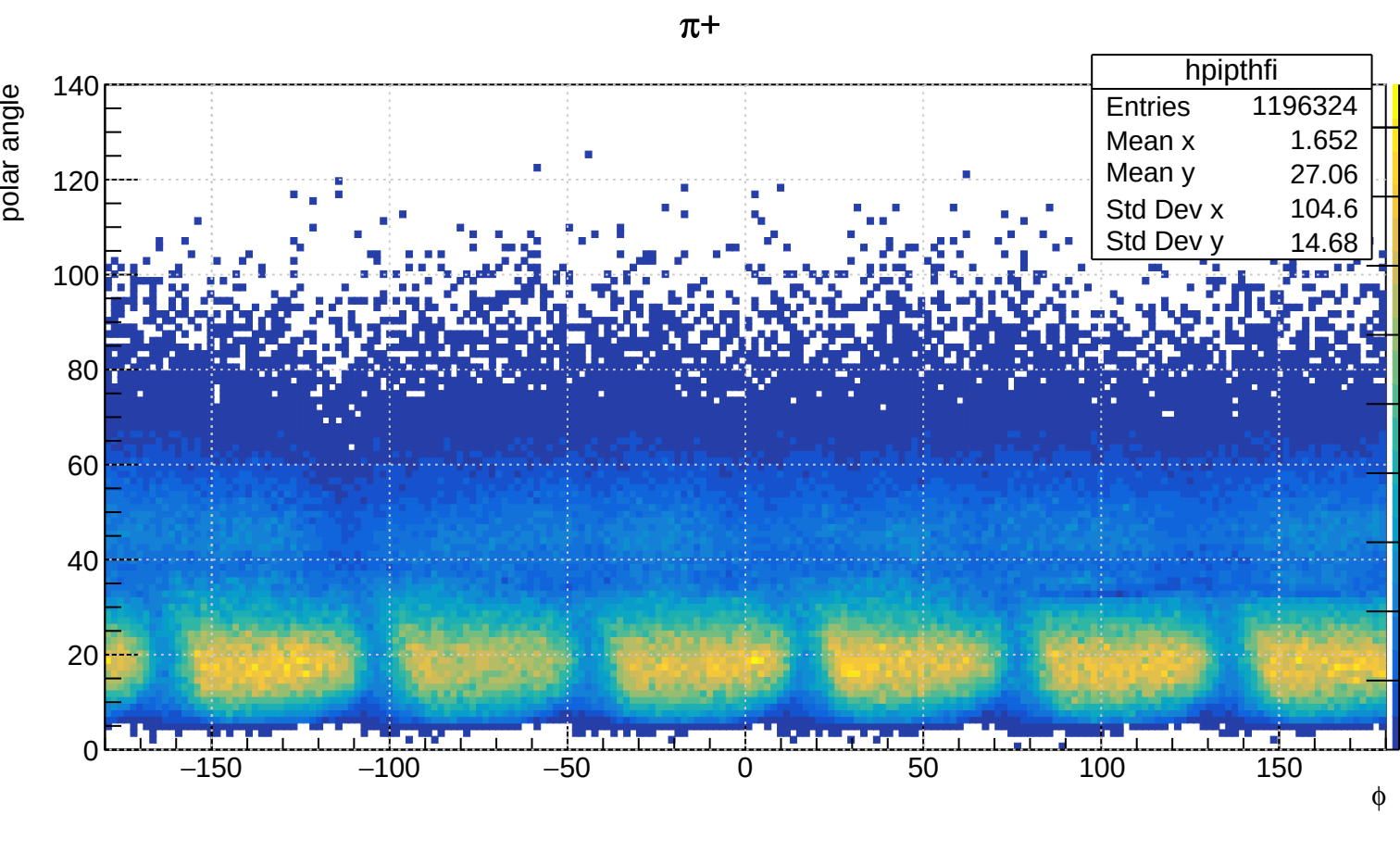

electron
hepth
Entries 1196324
Mean x 6.798
Mean y 11.06
Std Dev x 0.3561
Std Dev y 1.516
polar angle
0
5
10
15
20
25
30
35
40
2
3
4
5
6
7
8
9
10
p

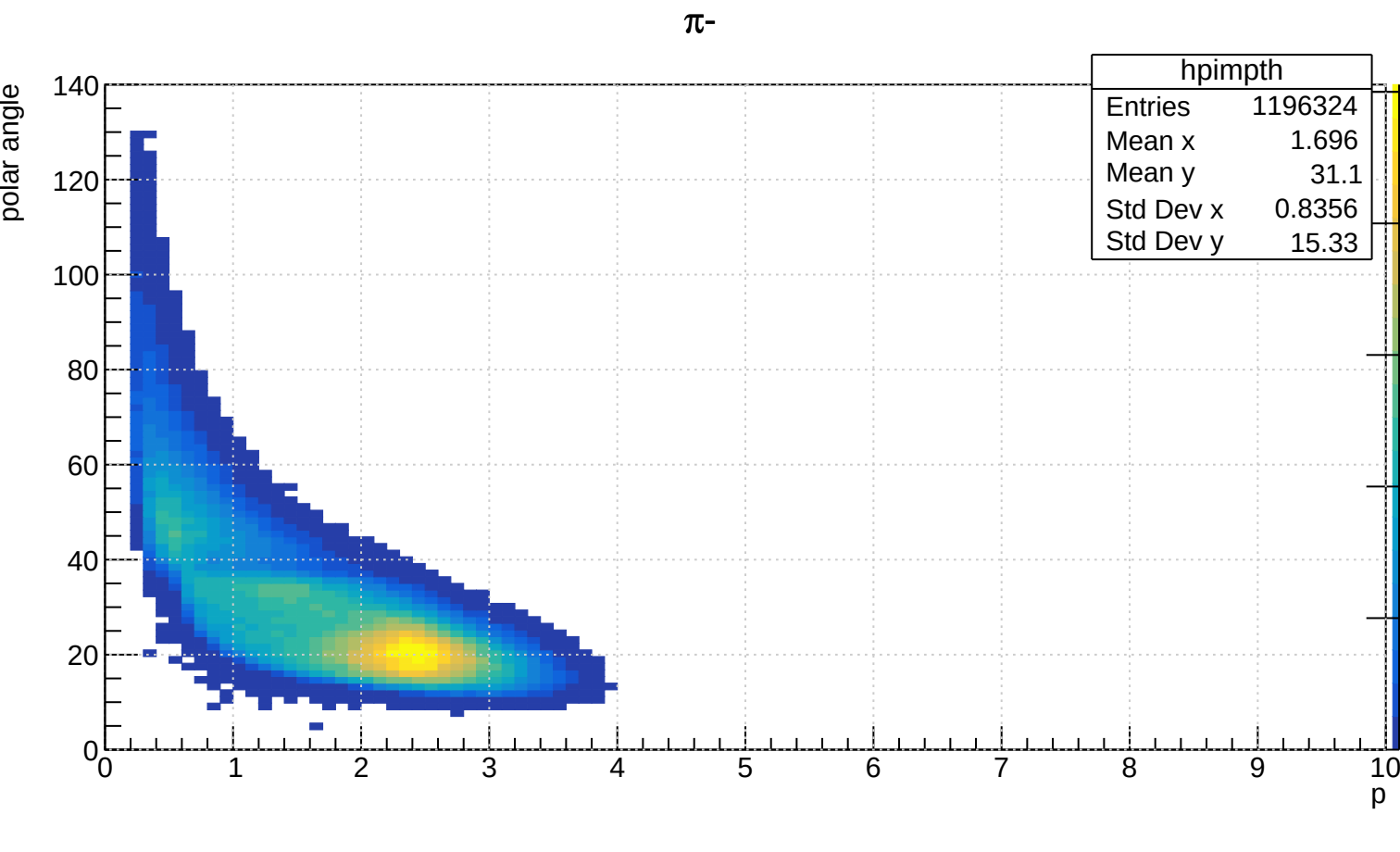

electron
hethfi
Entries 1196324
Mean x −11.04
Mean y 11.06
Std Dev x 105.2
Std Dev y 1.516
polar angle
40
35
30
25
20
15
10
5
0
−150
−100
−50
0
50
100
150
ϕ

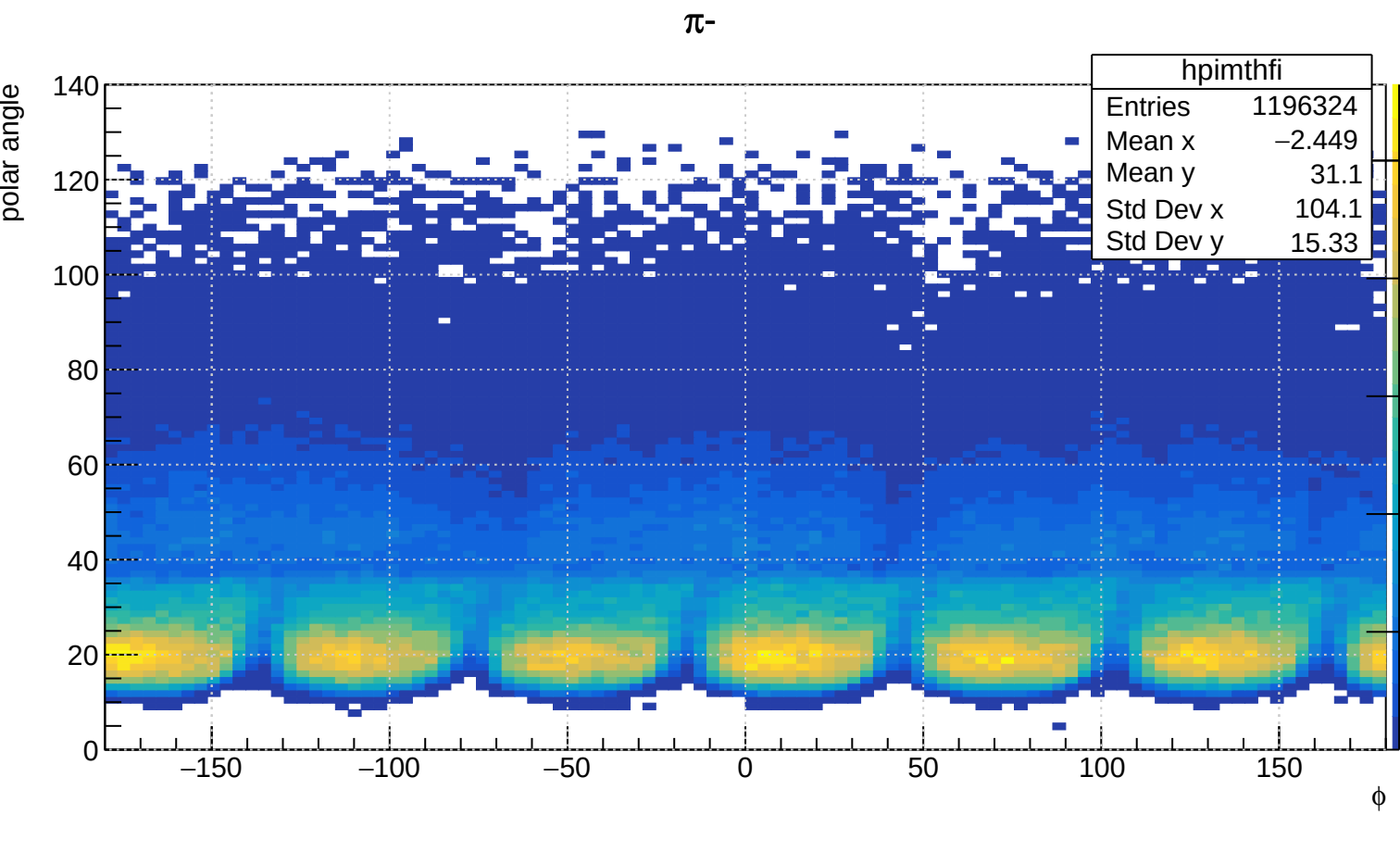

proton
hepth
Entries 1196324
Mean x 1.12
Mean y 21.89
Std Dev x 0.3778
Std Dev y 11.11
polar angle
140
120
100
80
60
40
20
0
0
1
2
3
4
5
6
7
8
9
10
p

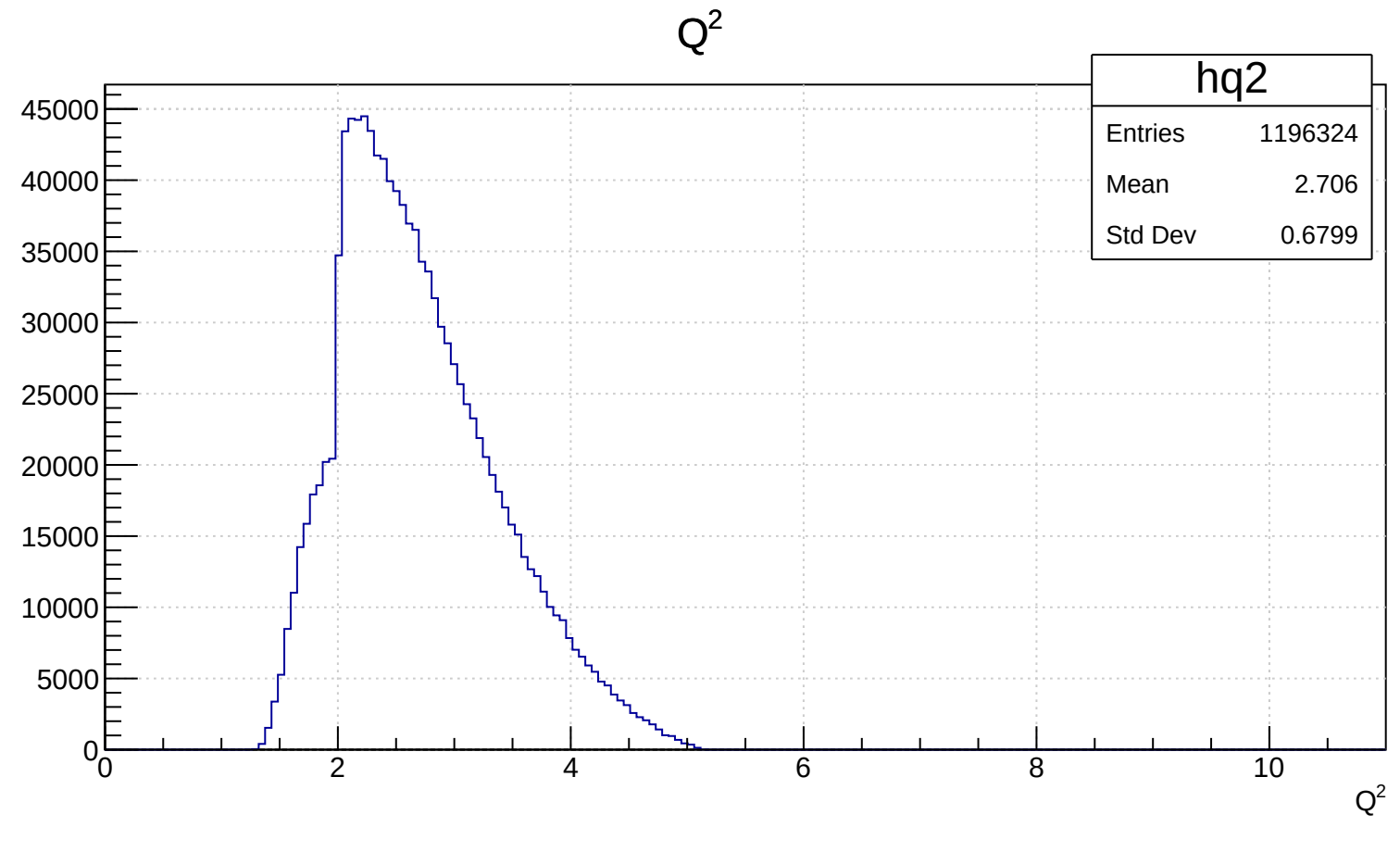

proton
hethfi
Entries 1196324
Mean x 0.253
Mean y 21.89
Std Dev x 103.8
Std Dev y 11.11
polar angle
140
120
100
80
60
40
20
0
−250
−200
−150
−100
−50
0
50
100
150
200
250
ϕ

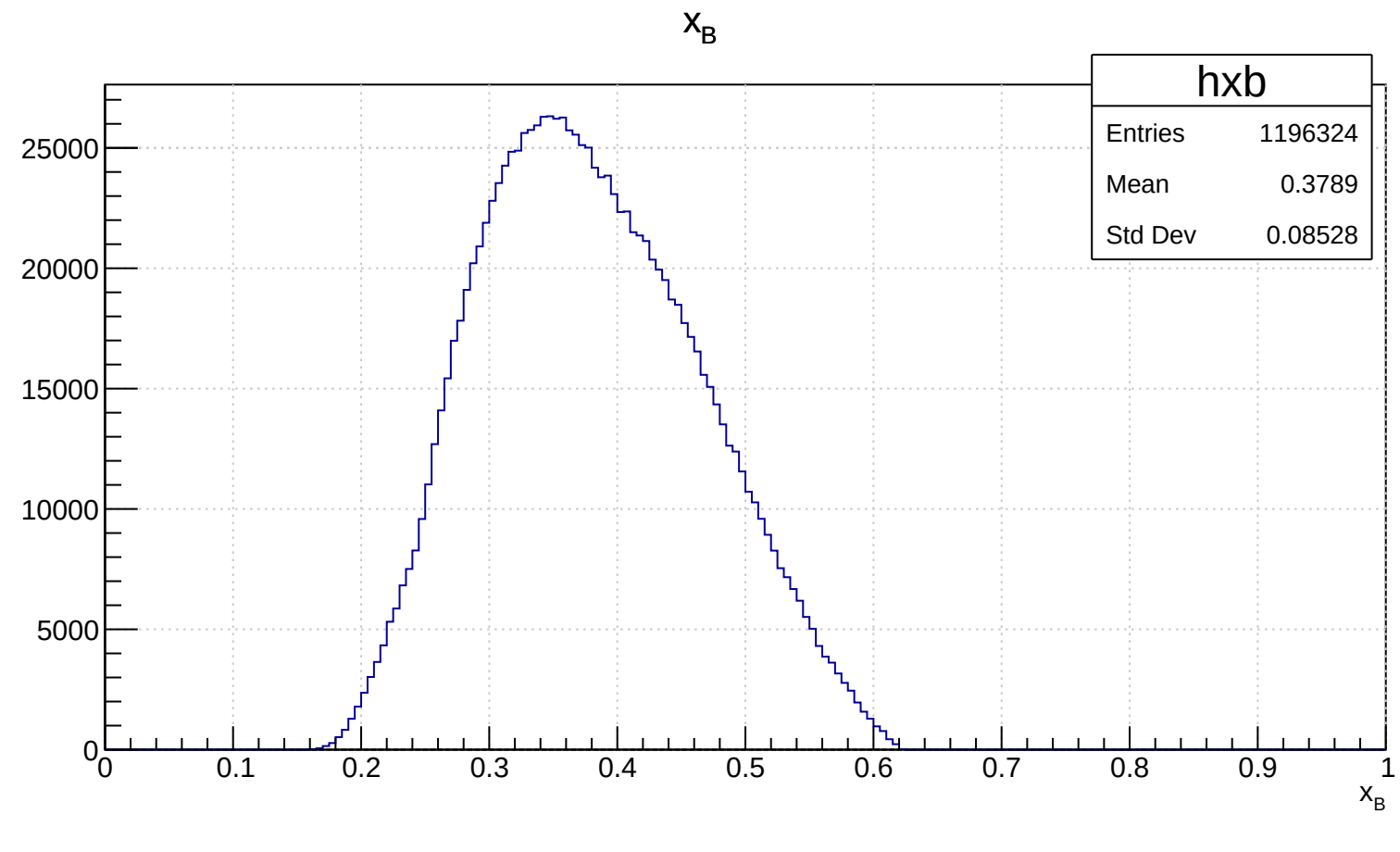

π+
hpippth
Entries 1196324
Mean x 1.537
Mean y 27.06
Std Dev x 0.8209
Std Dev y 14.68
polar angle
p
0
20
40
60
80
100
120
140
0
1
2
3
4
5
6
7
8
9
10

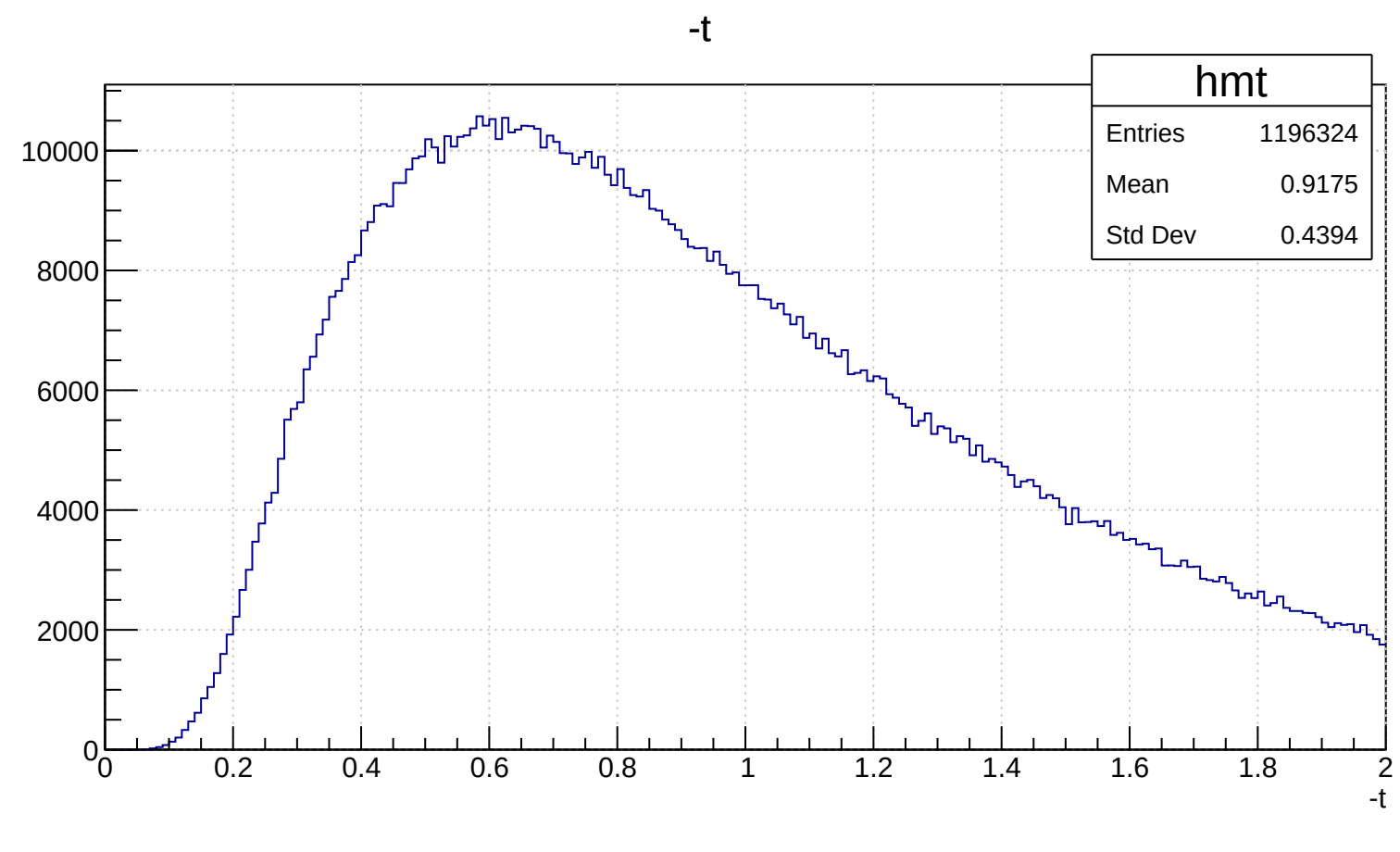

π+
hpipthfi
Entries 1196324
Mean x 1.652
Mean y 27.06
Std Dev x 104.6
Std Dev y 14.68
polar angle
140
120
100
80
60
40
20
0
−150
−100
−50
0
50
100
150
ϕ

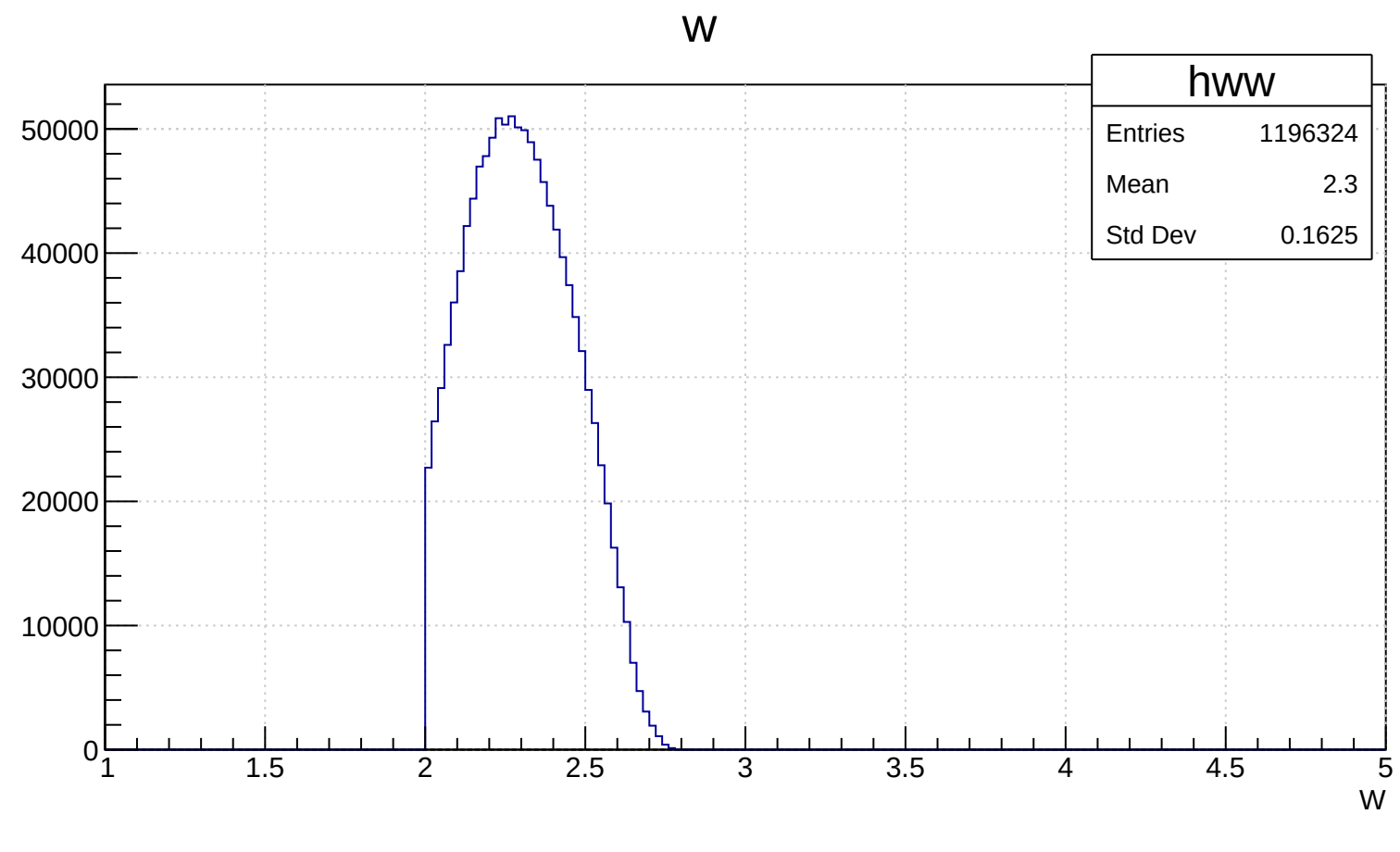

π-
hpimpth
Entries 1196324
Mean x 1.696
Mean y 31.1
Std Dev x 0.8356
Std Dev y 15.33
polar angle
p
0
20
40
60
80
100
120
140
0
1
2
3
4
5
6
7
8
9
10

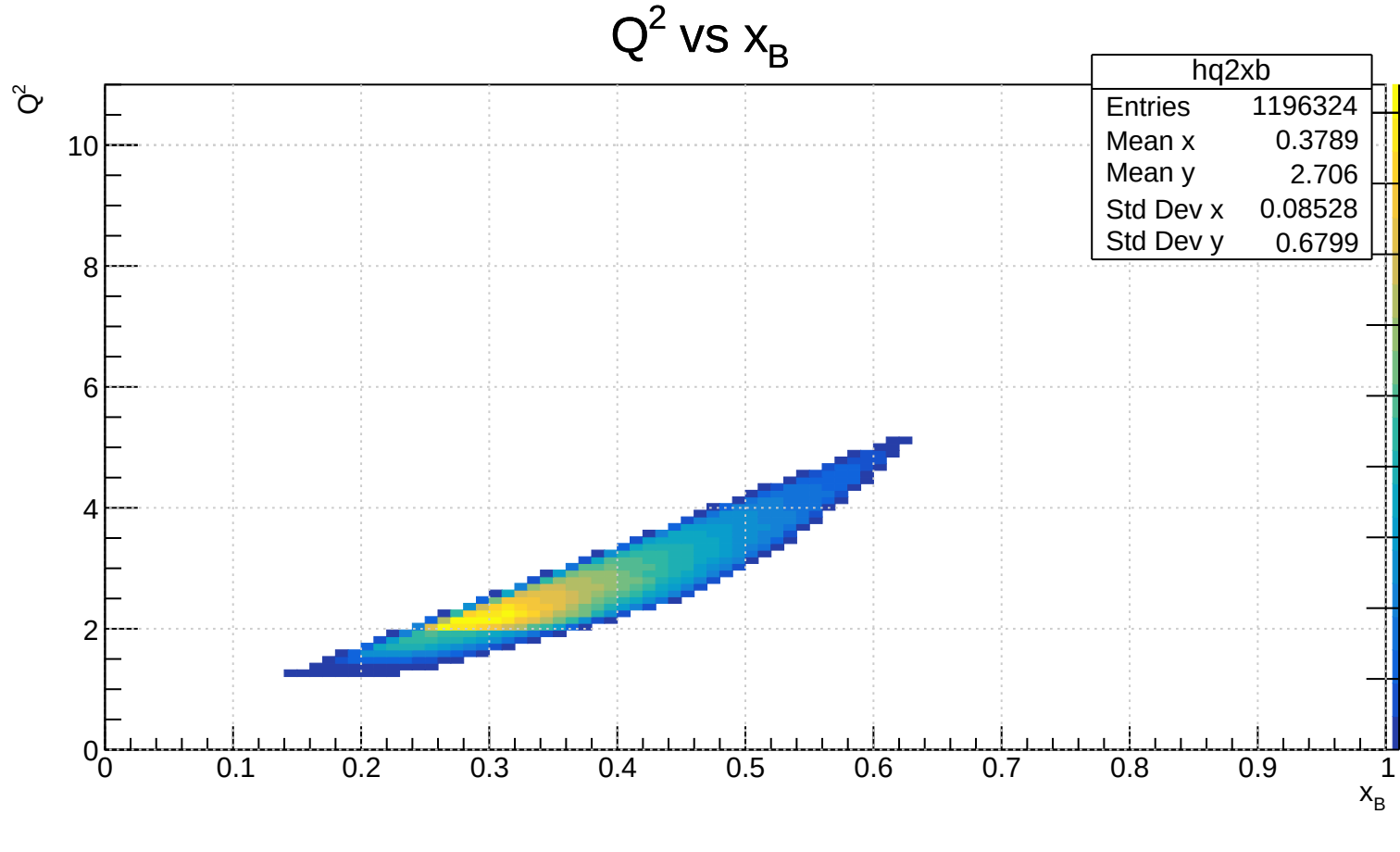

π-
hpimthfi
Entries 1196324
Mean x −2.449
Mean y 31.1
Std Dev x 104.1
Std Dev y 15.33
polar angle
140
120
100
80
60
40
20
0
−150
−100
−50
0
50
100
150
ϕ

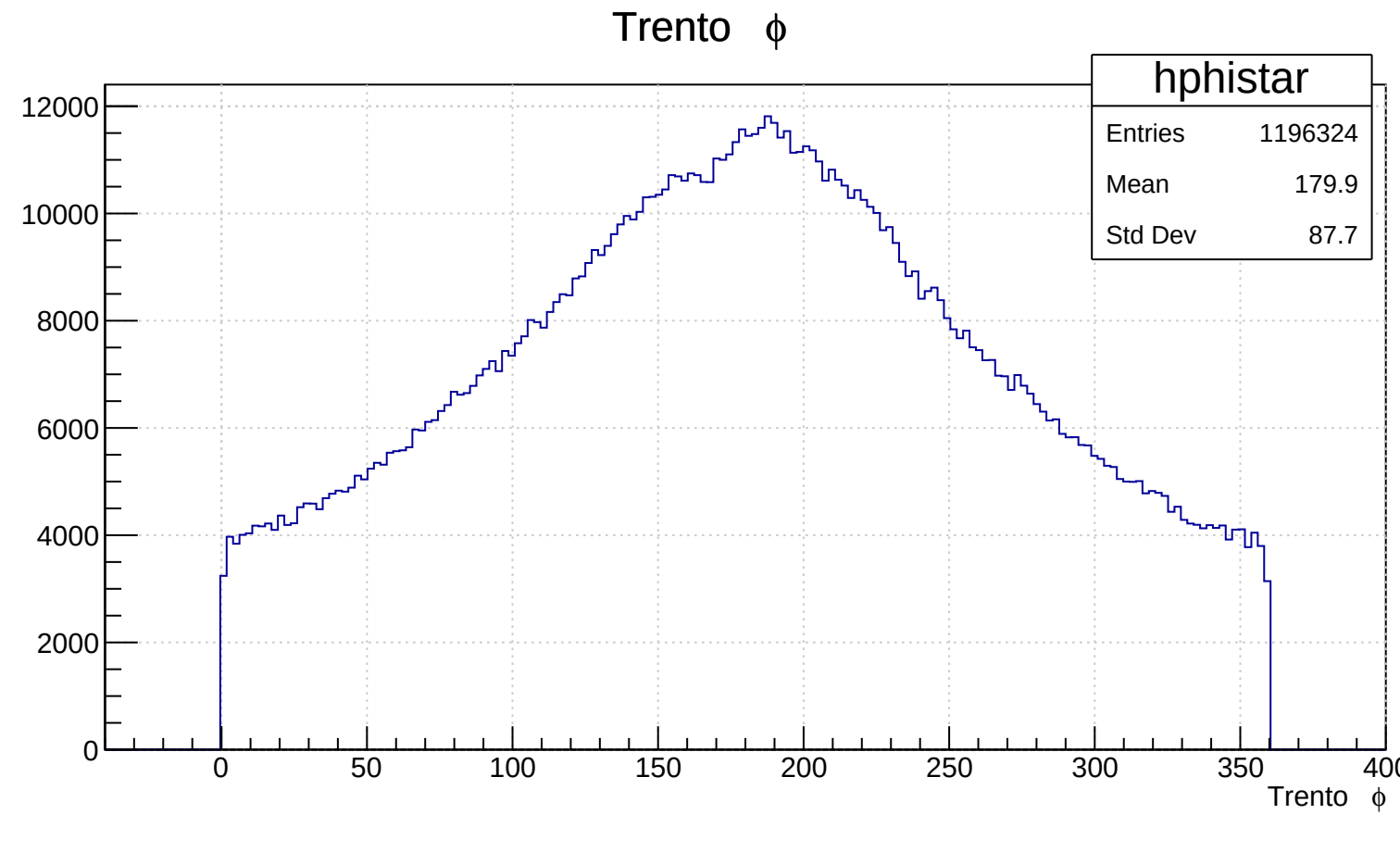

Q^2
hq2
Entries 1196324
Mean 2.706
Std Dev 0.6799
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
0
2
4
6
8
10
Q^2

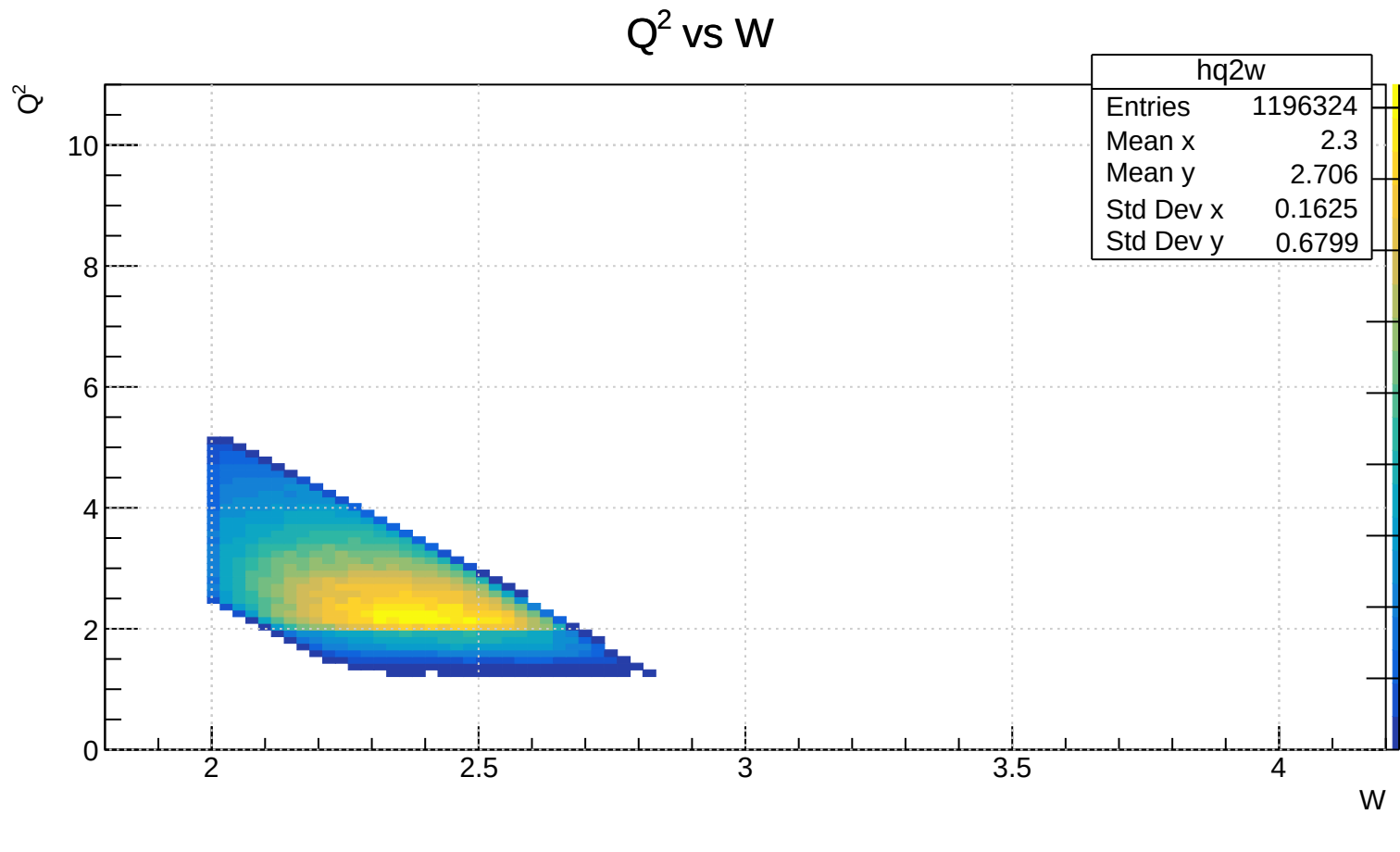

x_B
hxb
Entries 1196324
Mean 0.3789
Std Dev 0.08528
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
x_B

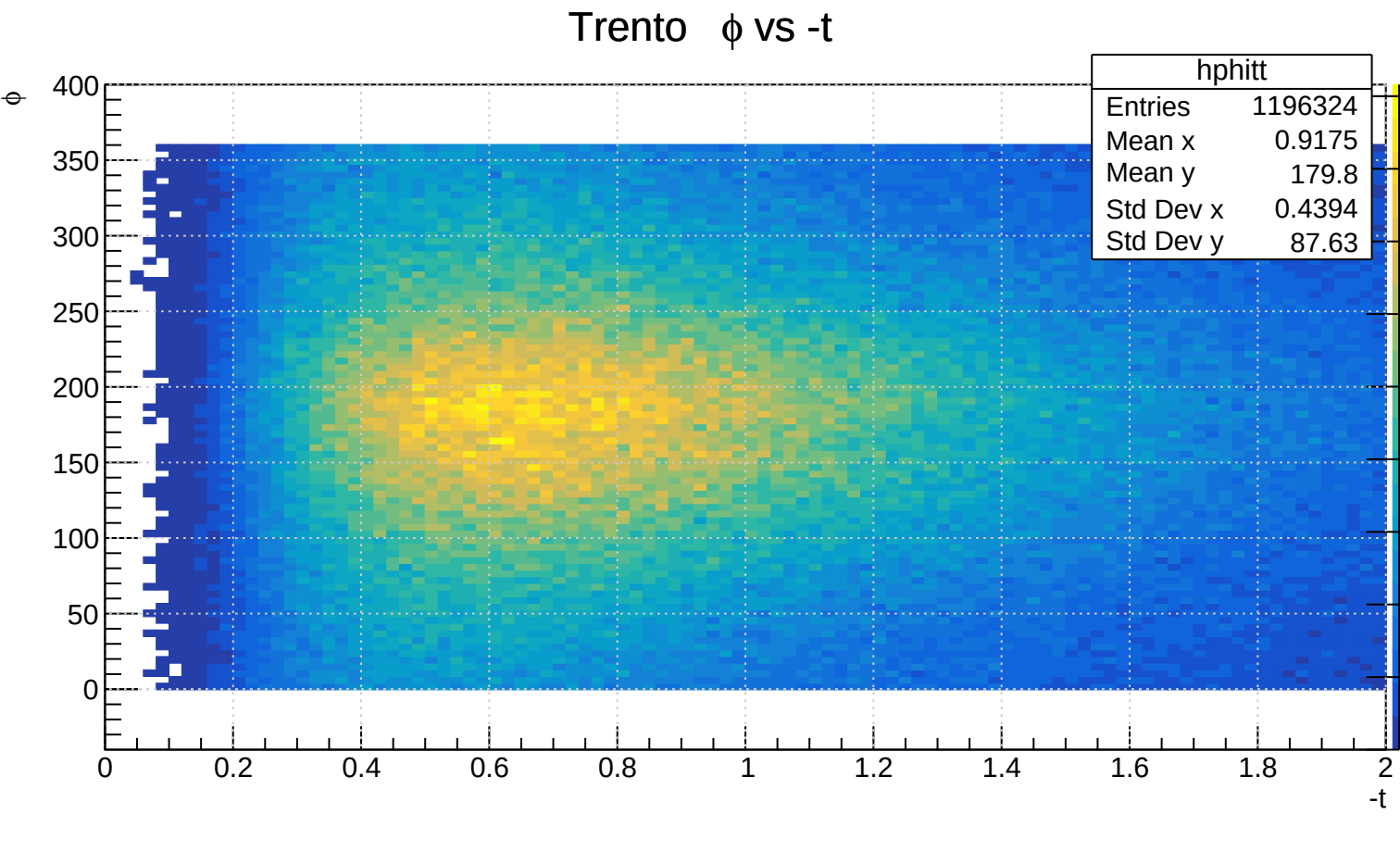

-t
hmt
Entries 1196324
Mean 0.9175
Std Dev 0.4394
10000
8000
6000
4000
2000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
-t

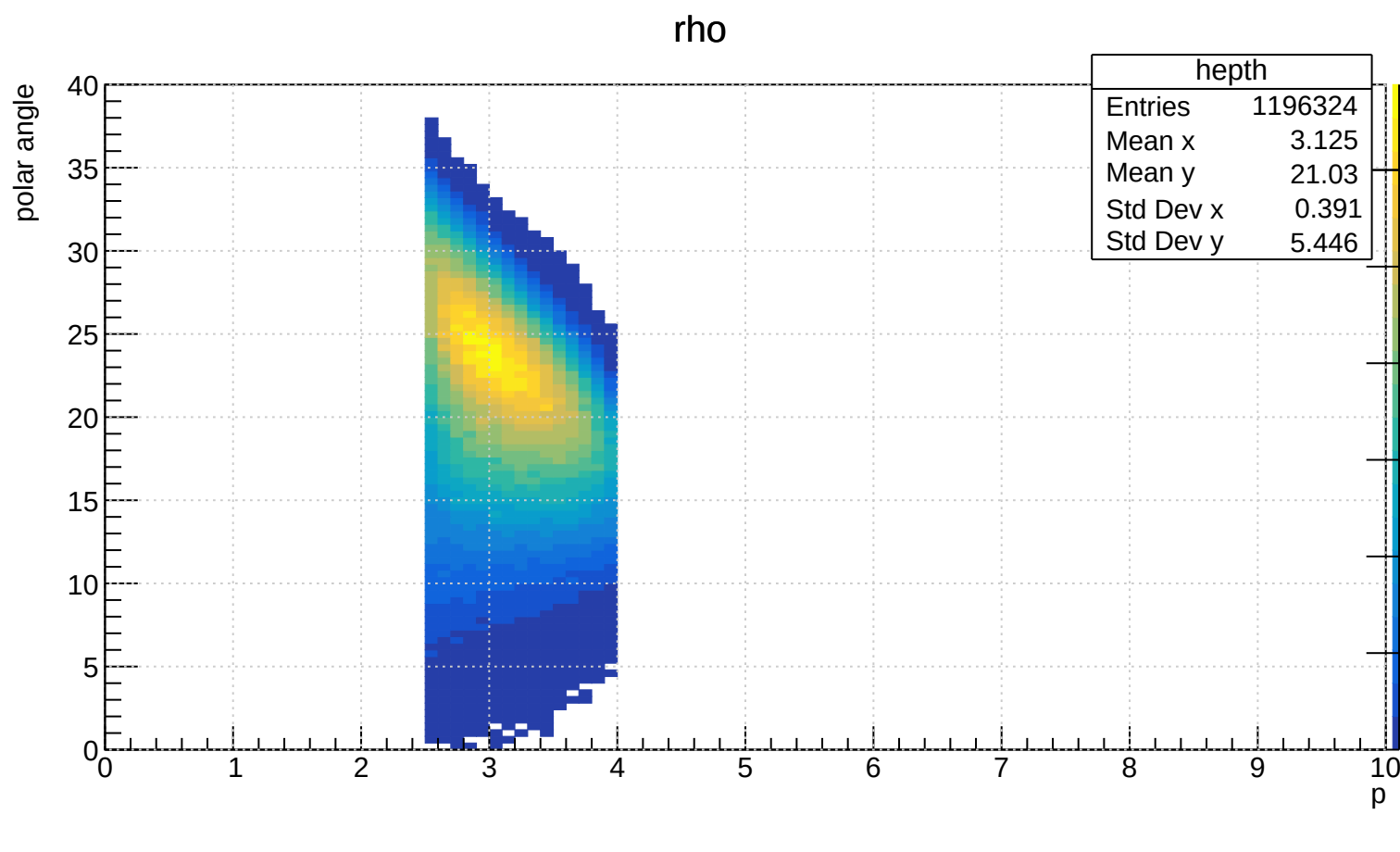

W
hww
Entries 1196324
Mean 2.3
Std Dev 0.1625
50000
40000
30000
20000
10000
0
1
1.5
2
2.5
3
3.5
4
4.5
5
W

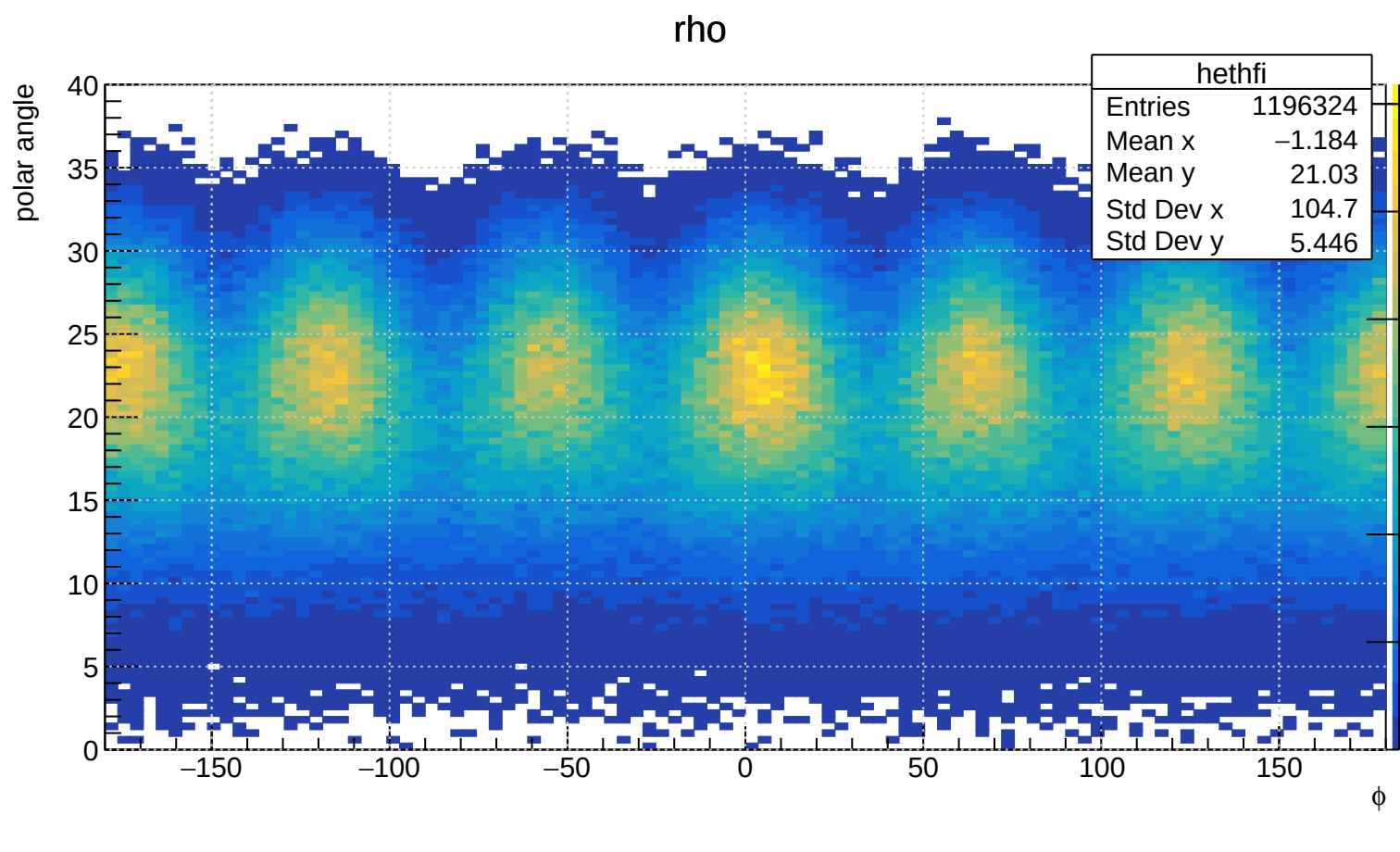

Q^2 vs x_B
hq2xb
Entries 1196324
Mean x 0.3789
Mean y 2.706
Std Dev x 0.08528
Std Dev y 0.6799
Q^2
10
8
6
4
2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
x_B

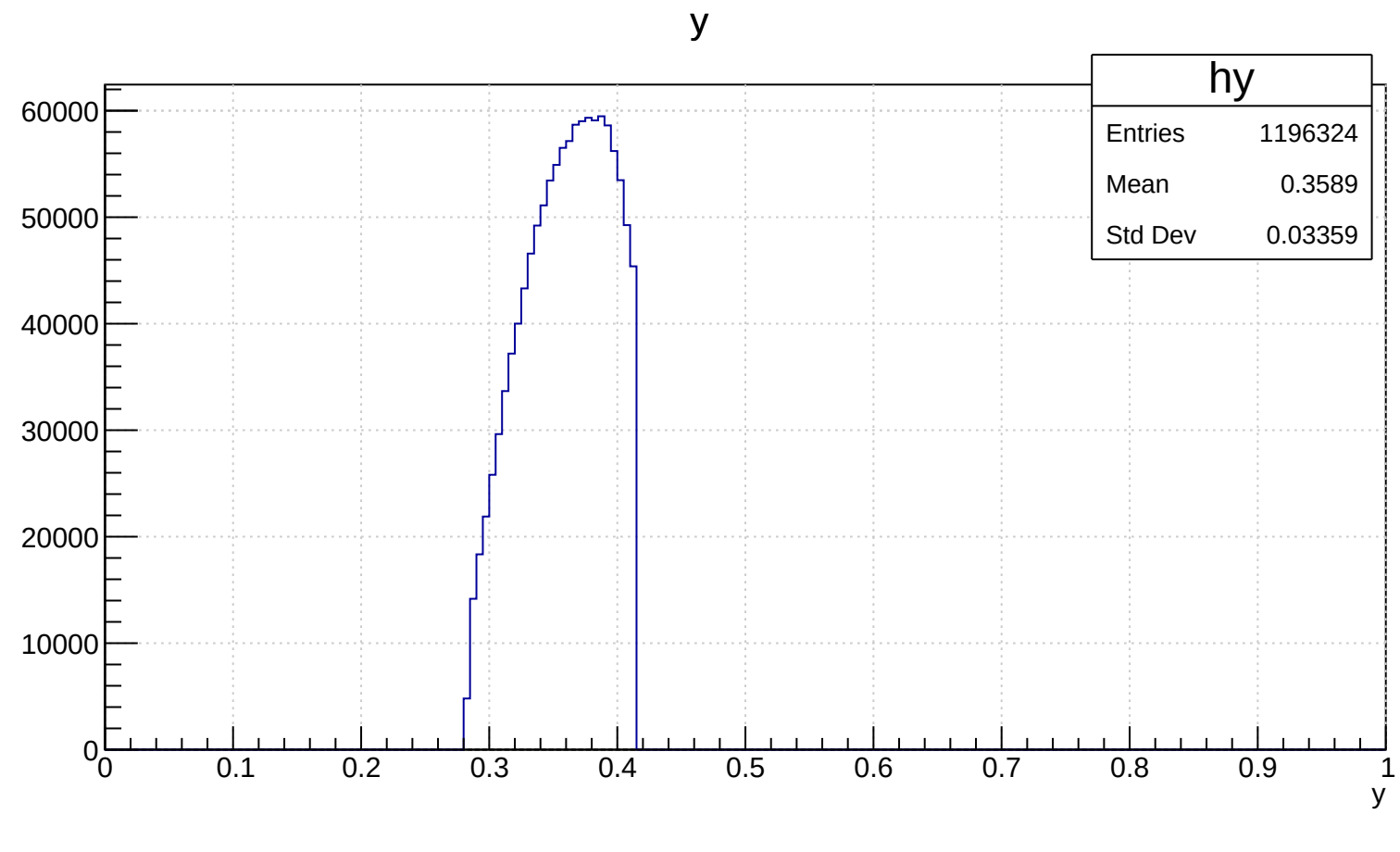

Trento ϕ
hphistar
Entries 1196324
Mean 179.9
Std Dev 87.7
12000
10000
8000
6000
4000
2000
0
0
50
100
150
200
250
300
350
400
Trento ϕ

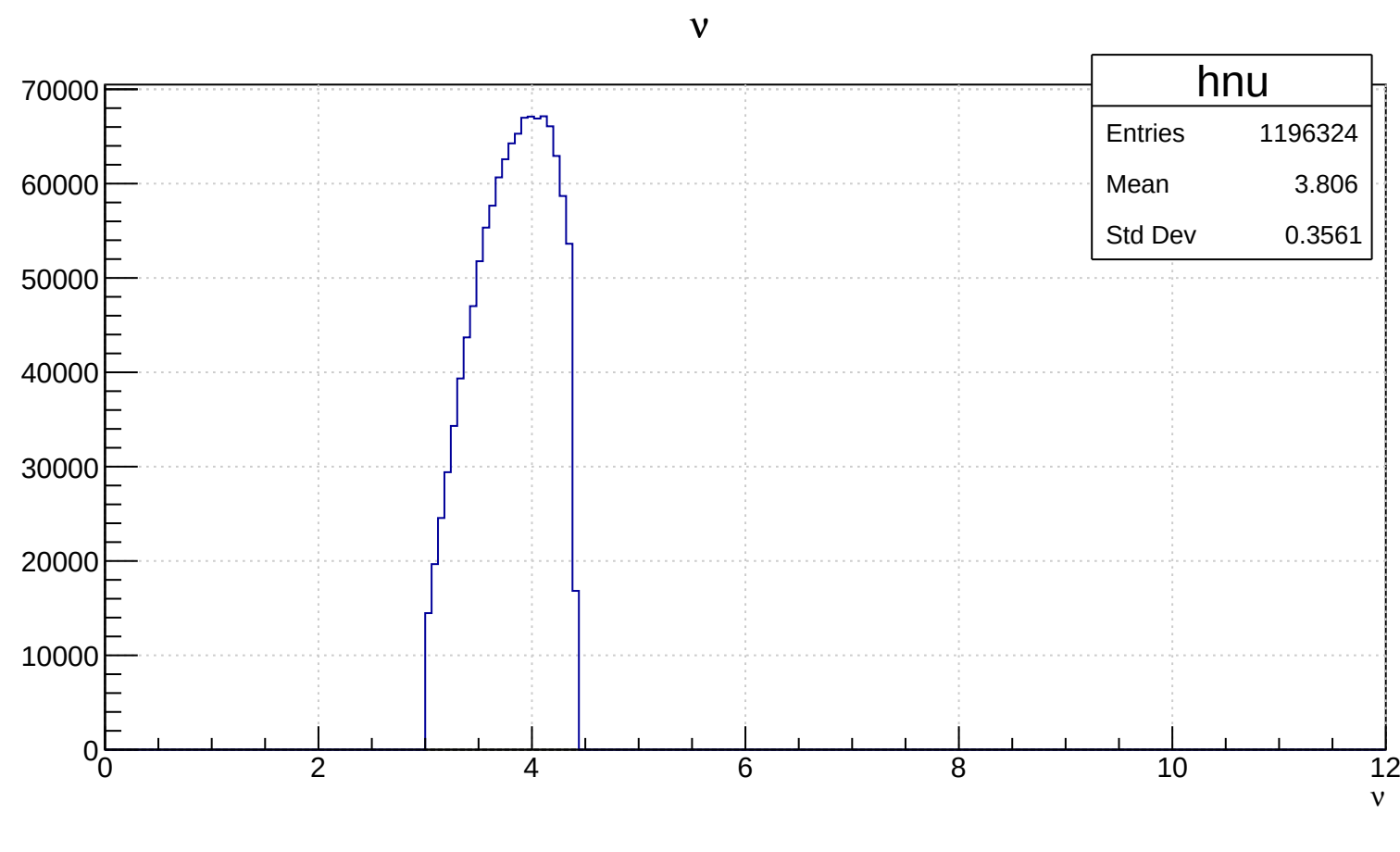

Q² vs W
hq2w
Entries 1196324
Mean x 2.3
Mean y 2.706
Std Dev x 0.1625
Std Dev y 0.6799
Q²
0
2
4
6
8
10
2
2.5
3
3.5
4
W

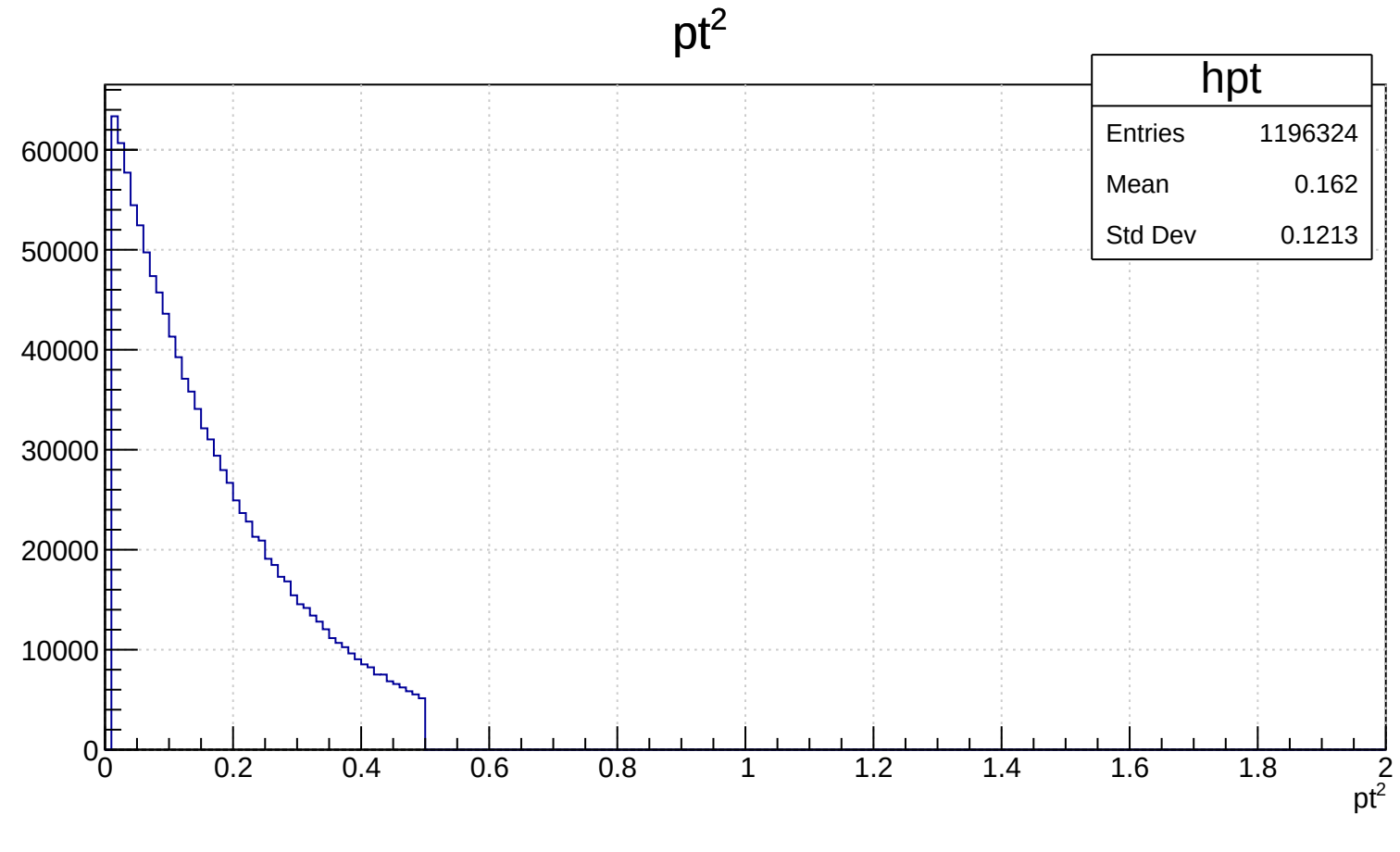

Trento ϕ vs -t
hphitt
Entries 1196324
Mean x 0.9175
Mean y 179.8
Std Dev x 0.4394
Std Dev y 87.63
ϕ
400
350
300
250
200
150
100
50
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
-t

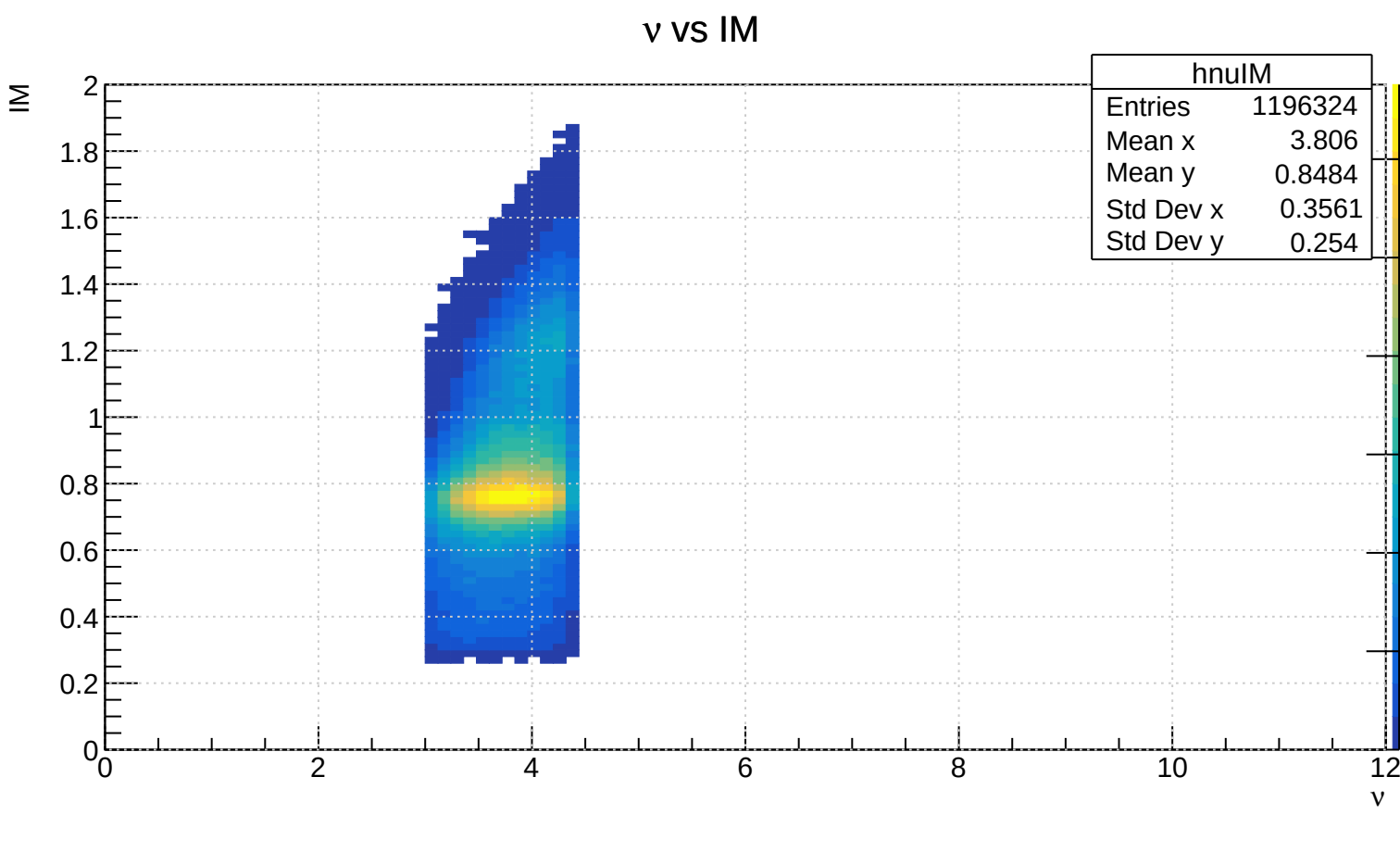

rho
hepth
Entries 1196324
Mean x 3.125
Mean y 21.03
Std Dev x 0.391
Std Dev y 5.446
polar angle
p
0
5
10
15
20
25
30
35
40
0
1
2
3
4
5
6
7
8
9
10

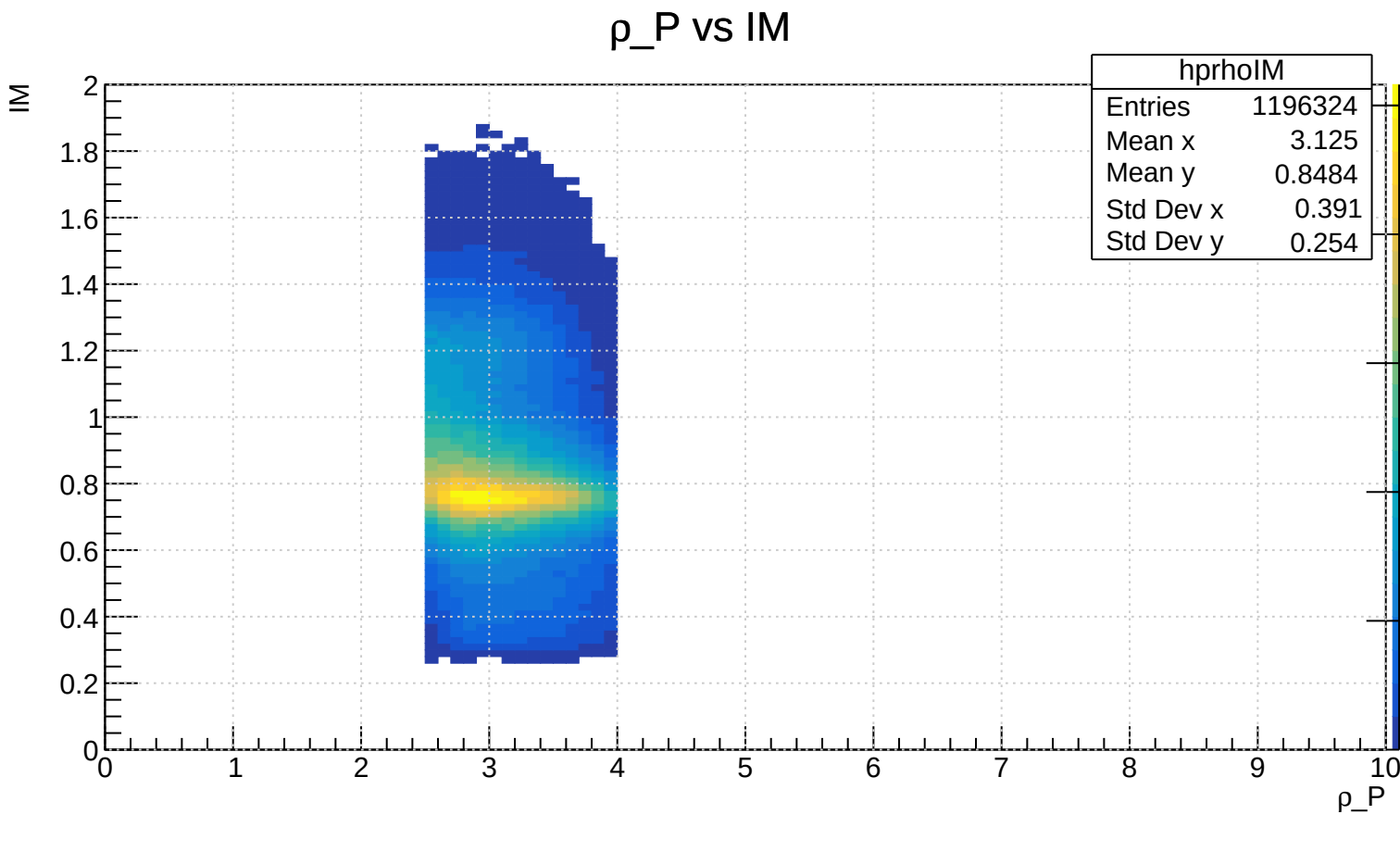

rho
hethfi
Entries 1196324
Mean x −1.184
Mean y 21.03
Std Dev x 104.7
Std Dev y 5.446
polar angle
40
35
30
25
20
15
10
5
0
−150
−100
−50
0
50
100
150
ϕ


y
hy
Entries 1196324
Mean 0.3589
Std Dev 0.03359
60000
50000
40000
30000
20000
10000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y


ν
hnu
Entries 1196324
Mean 3.806
Std Dev 0.3561
70000
60000
50000
40000
30000
20000
10000
0
0
2
4
6
8
10
12
ν


pt2
hpt
Entries 1196324
Mean 0.162
Std Dev 0.1213
60000
50000
40000
30000
20000
10000
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
pt2


ν vs IM
hnuIM
Entries 1196324
Mean x 3.806
Mean y 0.8484
Std Dev x 0.3561
Std Dev y 0.254
IM
ν
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
2
4
6
8
10
12


ρ_P vs IM
hprhoIM
Entries 1196324
Mean x 3.125
Mean y 0.8484
Std Dev x 0.391
Std Dev y 0.254
IM
ρ_P
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
1
2
3
4
5
6
7
8
9
10