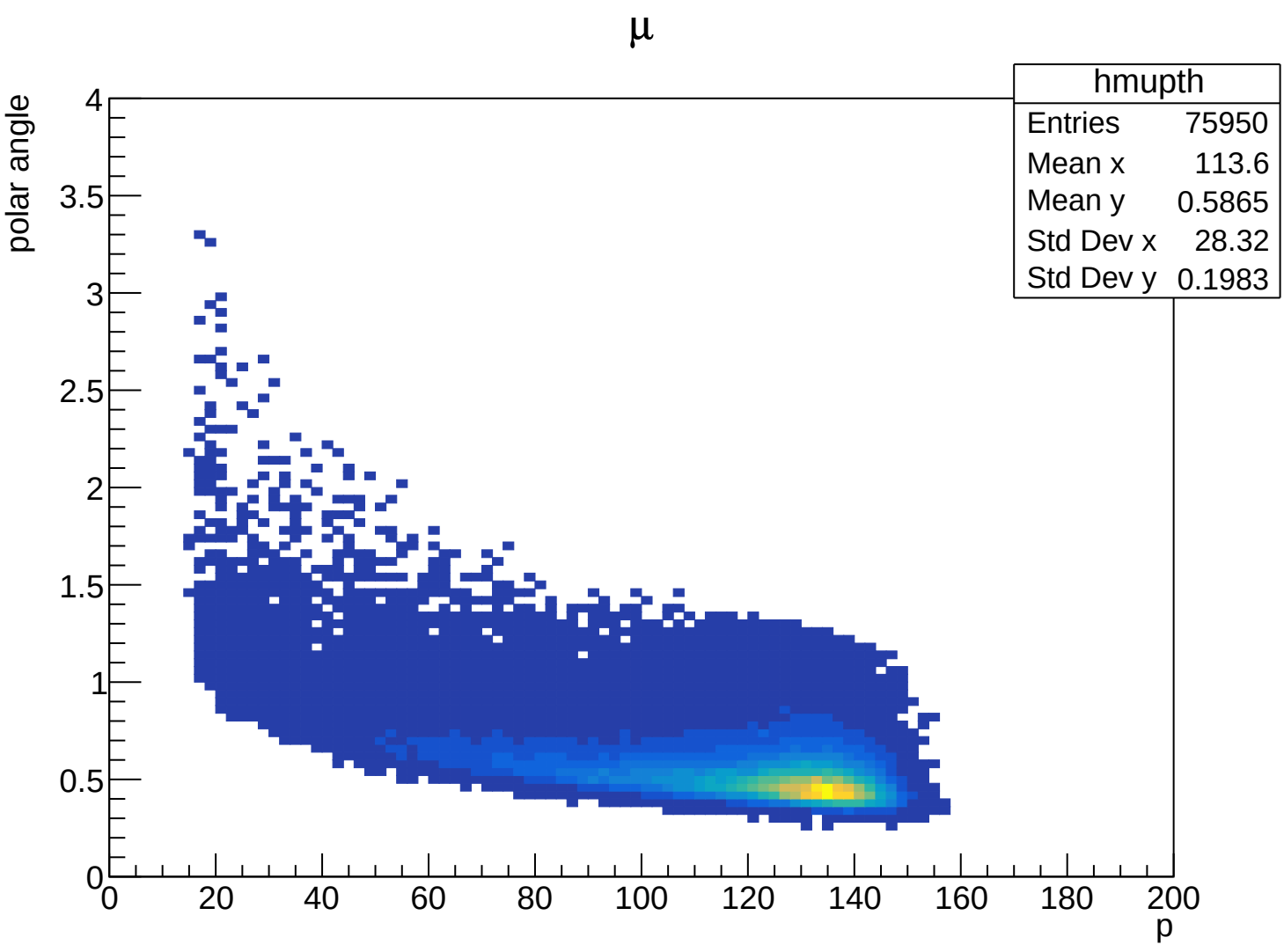
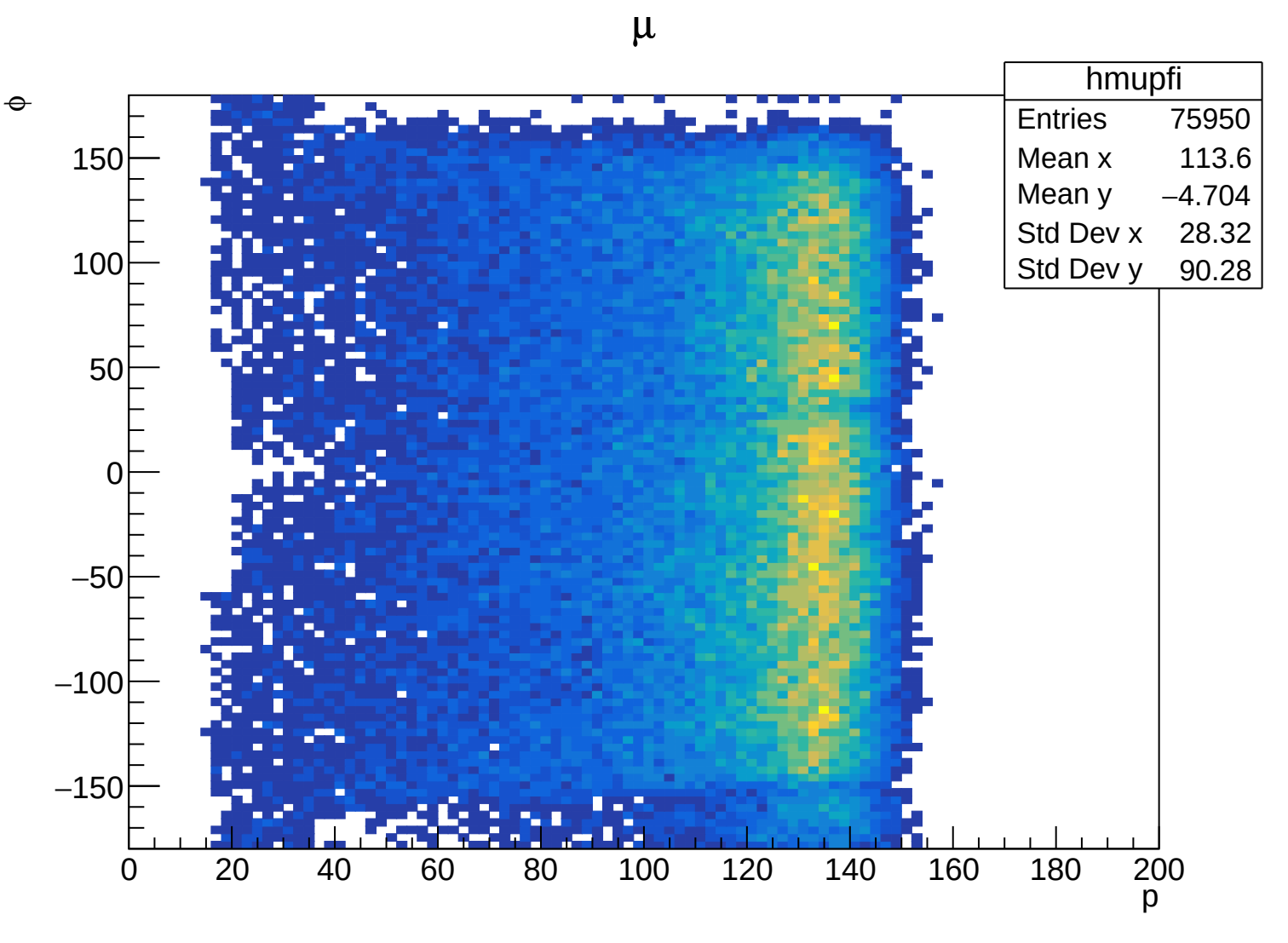
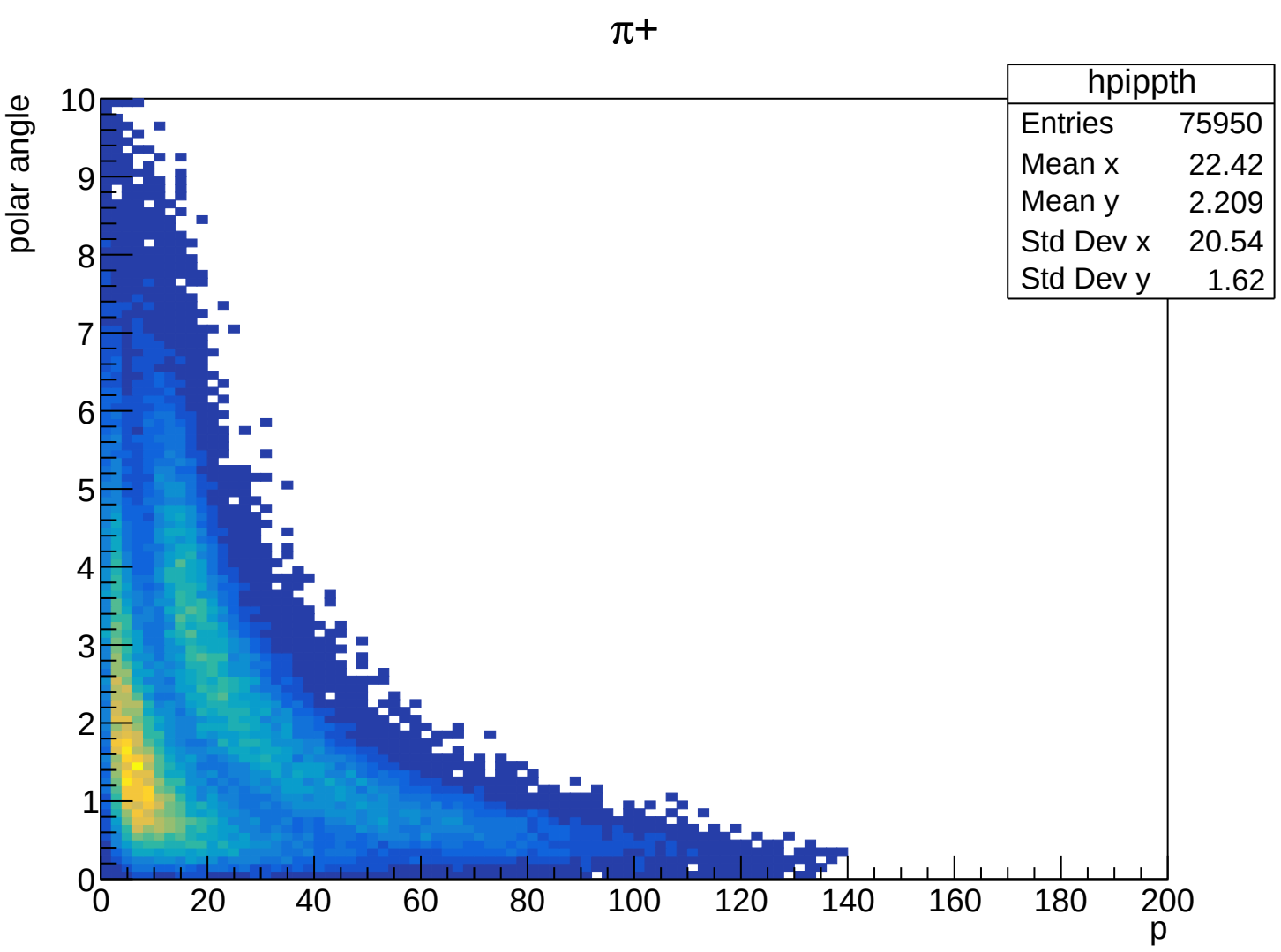
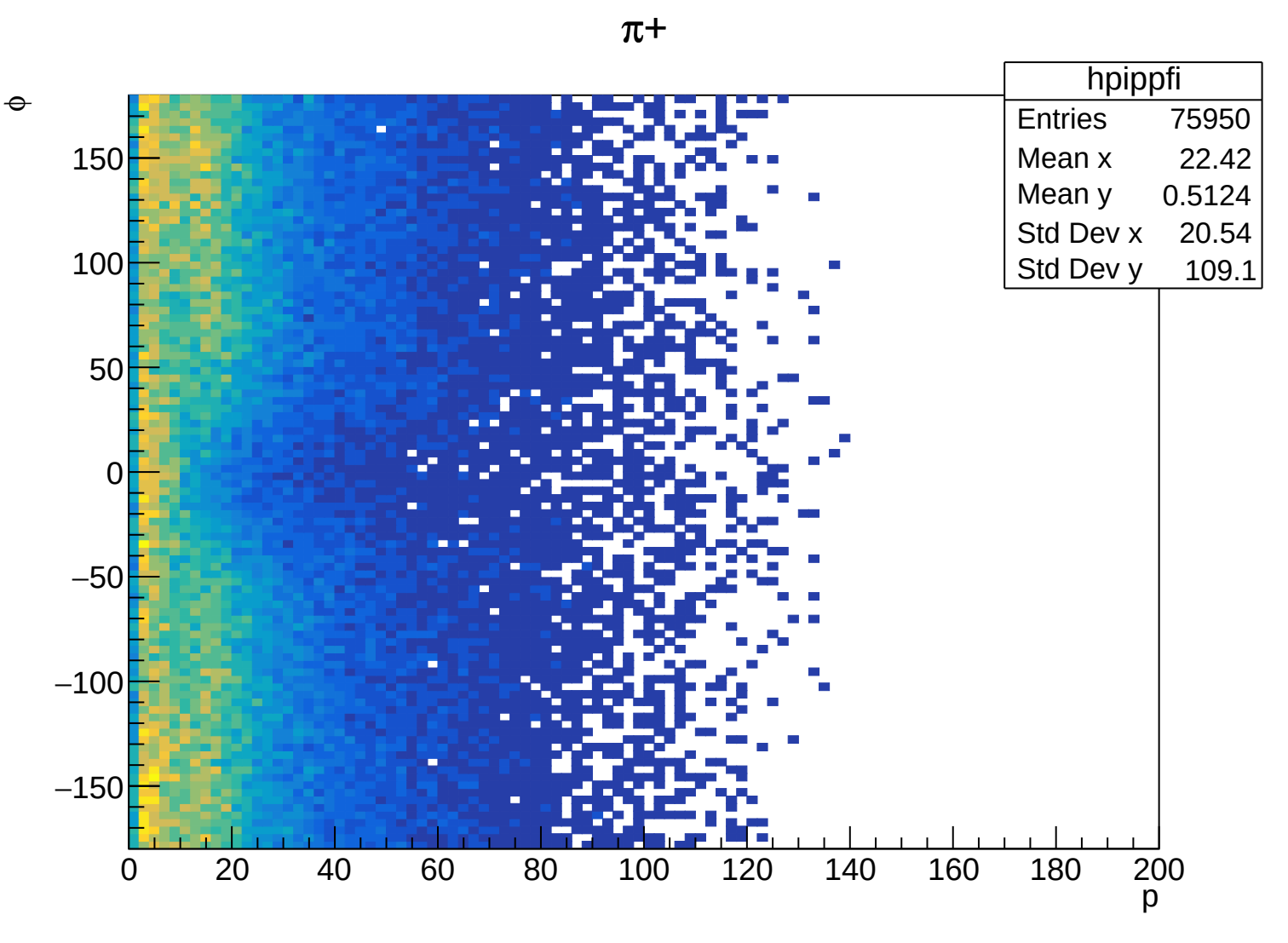
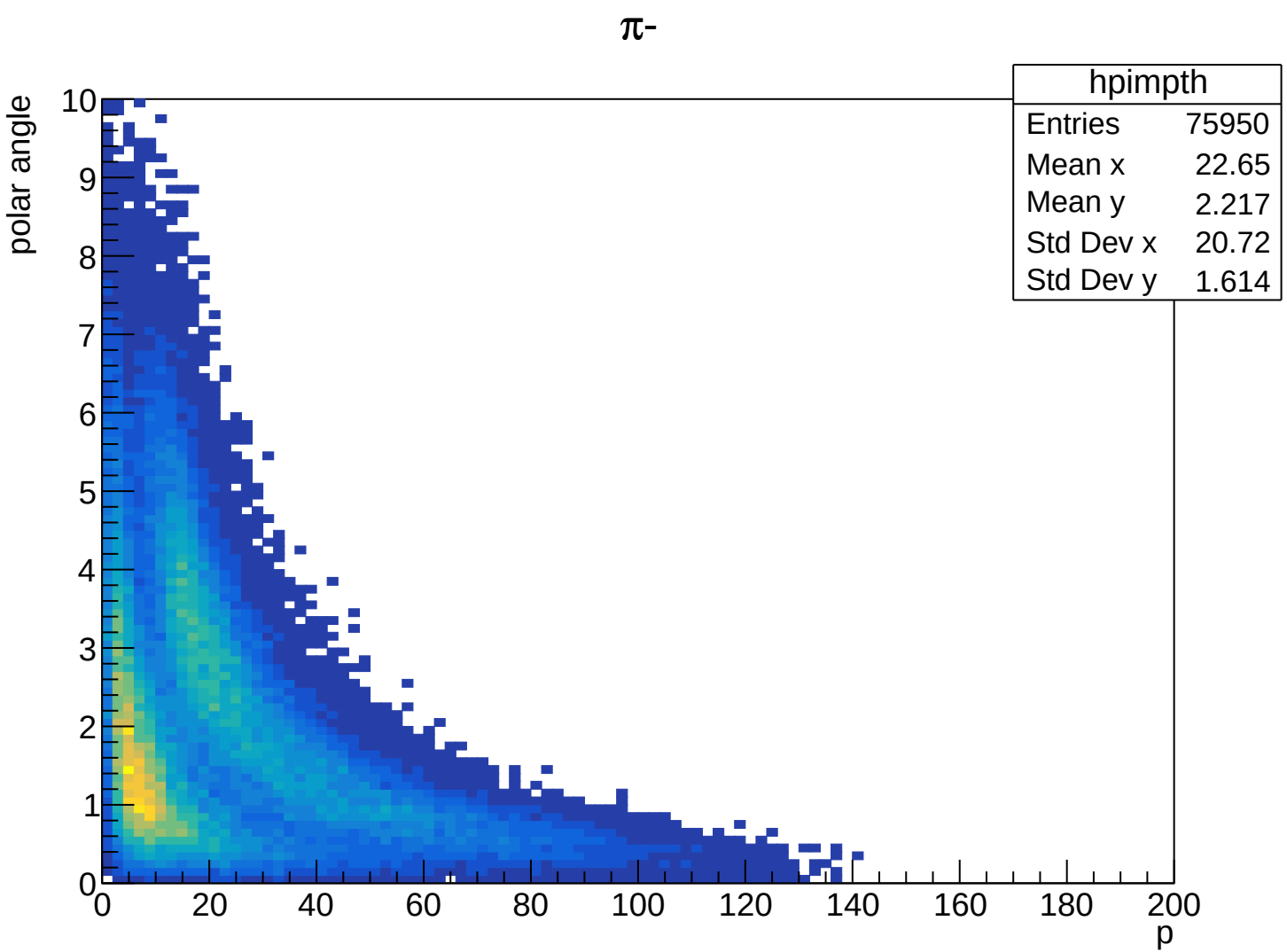
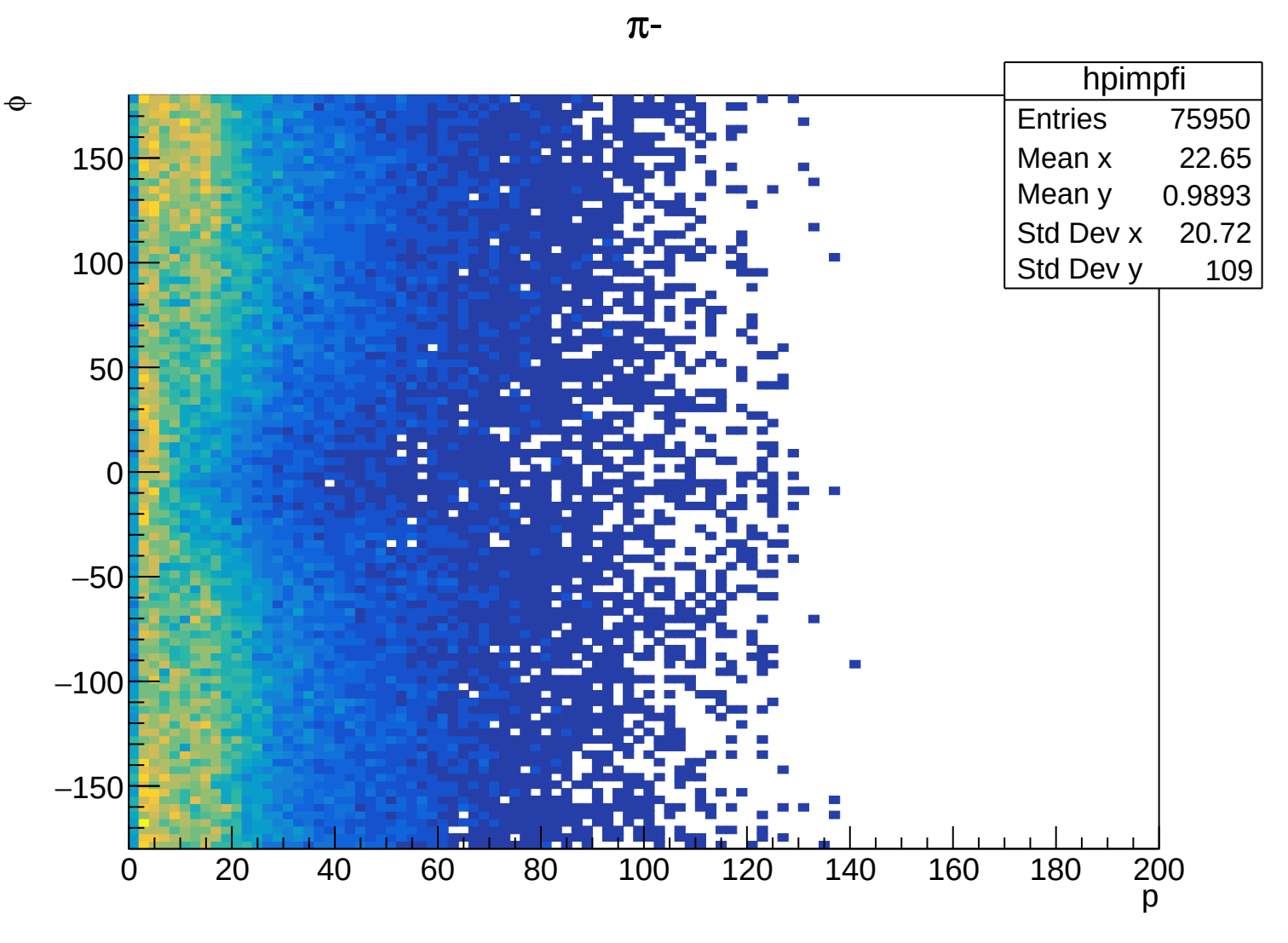

μ
hmupth
Entries 75950
Mean x 113.6
Mean y 0.5865
Std Dev x 28.32
Std Dev y 0.1983
polar angle
p
0
0.5
1
1.5
2
2.5
3
3.5
4
0
20
40
60
80
100
120
140
160
180
200

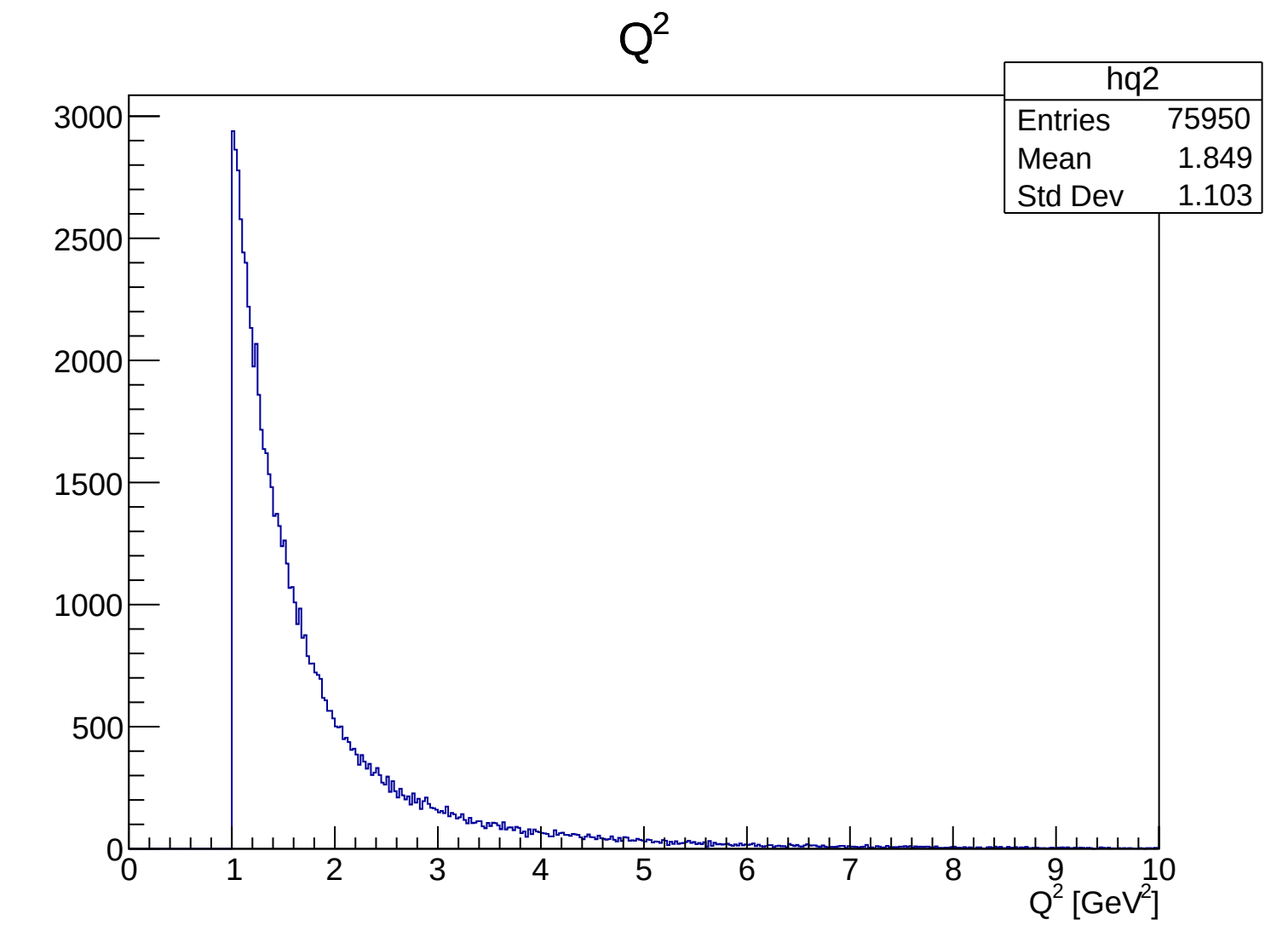

μ
hmupfi
Entries 75950
Mean x 113.6
Mean y −4.704
Std Dev x 28.32
Std Dev y 90.28
ϕ
150
100
50
0
−50
−100
−150
0
20
40
60
80
100
120
140
160
180
200
p

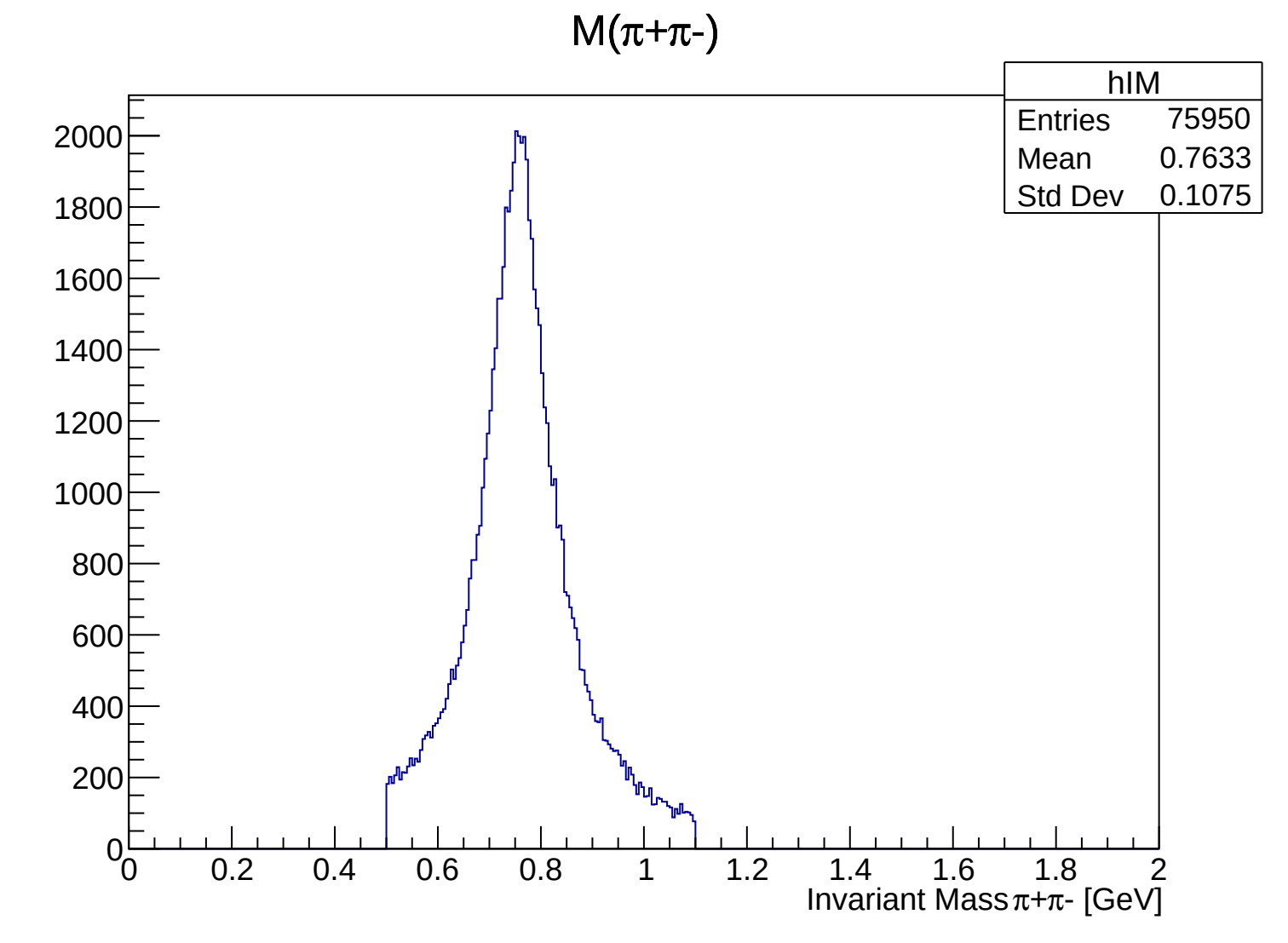

π+
hpippth
Entries 75950
Mean x 22.42
Mean y 2.209
Std Dev x 20.54
Std Dev y 1.62
polar angle
p
0
1
2
3
4
5
6
7
8
9
10
0
20
40
60
80
100
120
140
160
180
200

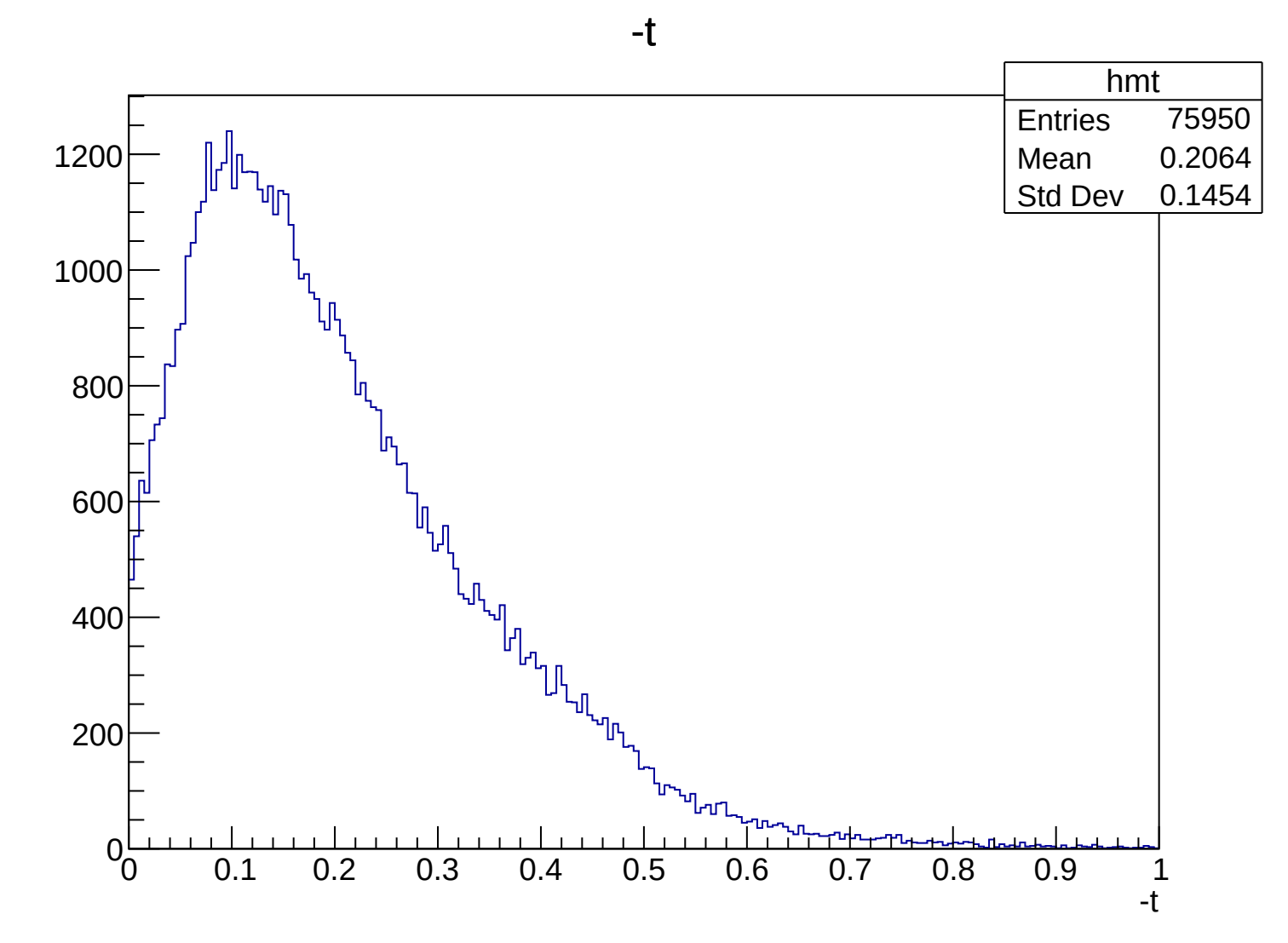

π+
hpippfi
Entries 75950
Mean x 22.42
Mean y 0.5124
Std Dev x 20.54
Std Dev y 109.1
ϕ
150
100
50
0
−50
−100
−150
0
20
40
60
80
100
120
140
160
180
200
p

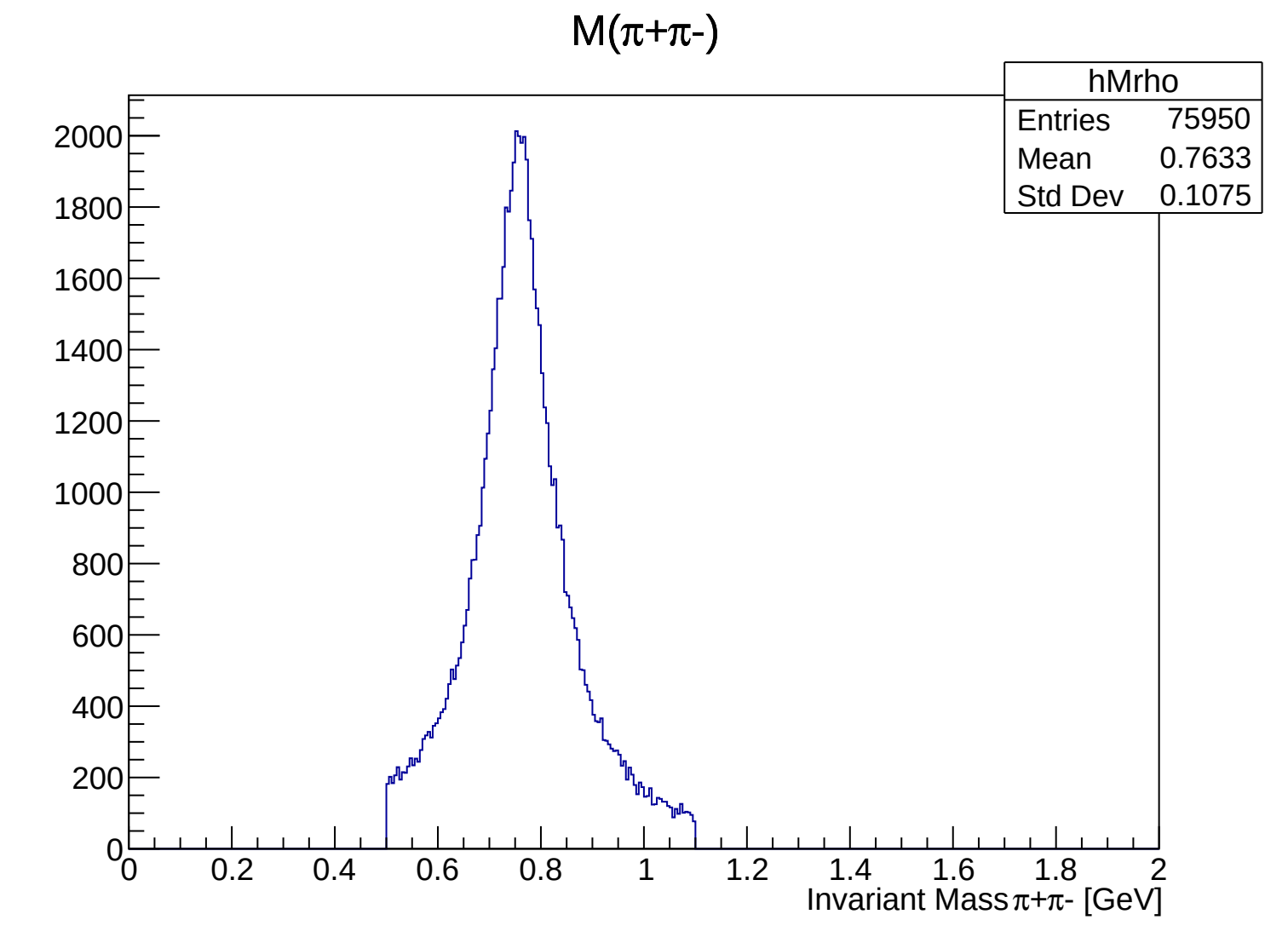

π-
hpimpth
Entries 75950
Mean x 22.65
Mean y 2.217
Std Dev x 20.72
Std Dev y 1.614
polar angle
p
0
1
2
3
4
5
6
7
8
9
10
0
20
40
60
80
100
120
140
160
180
200

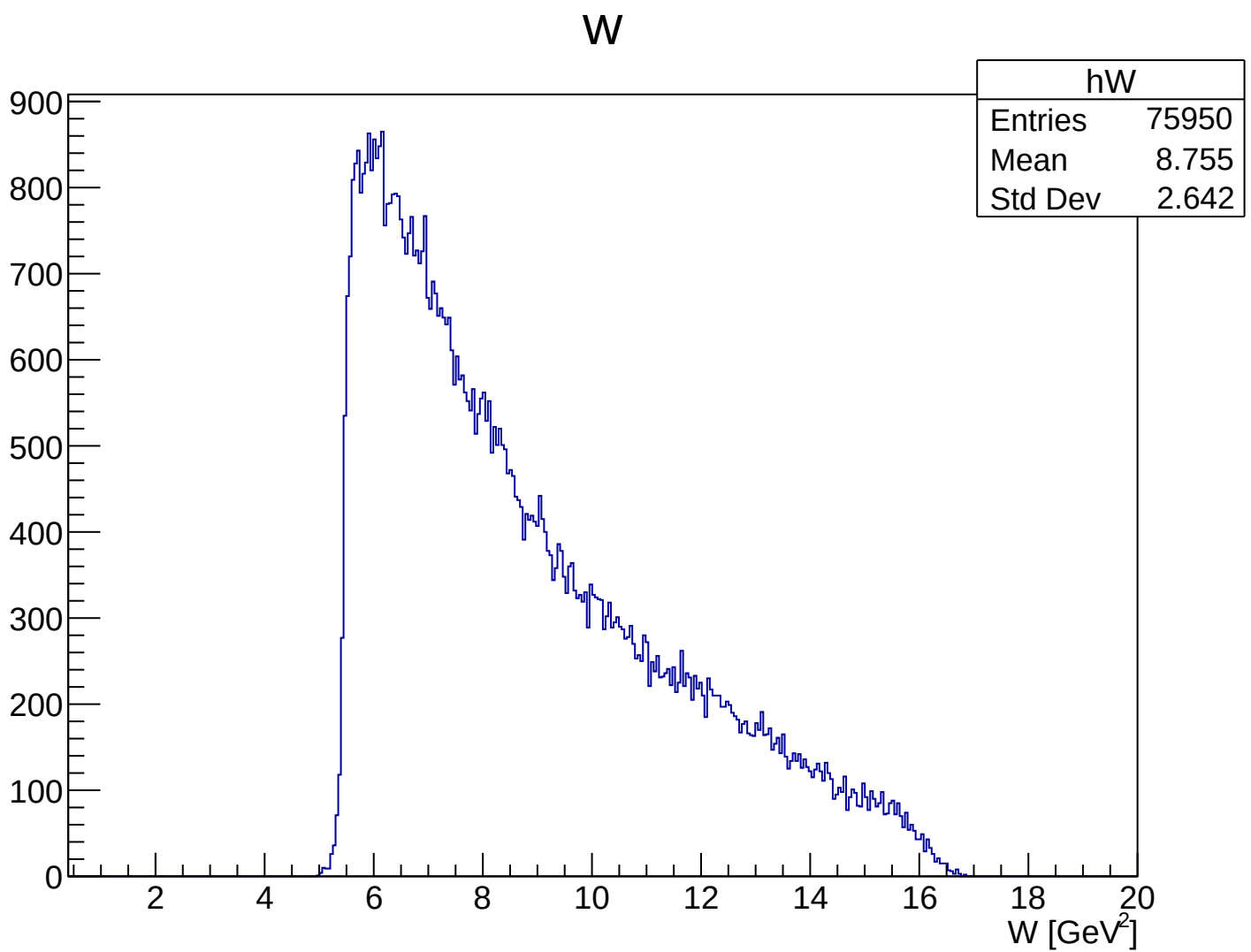

π-
hpimpfi
Entries 75950
Mean x 22.65
Mean y 0.9893
Std Dev x 20.72
Std Dev y 109
ϕ
150
100
50
0
−50
−100
−150
0
20
40
60
80
100
120
140
160
180
200
p

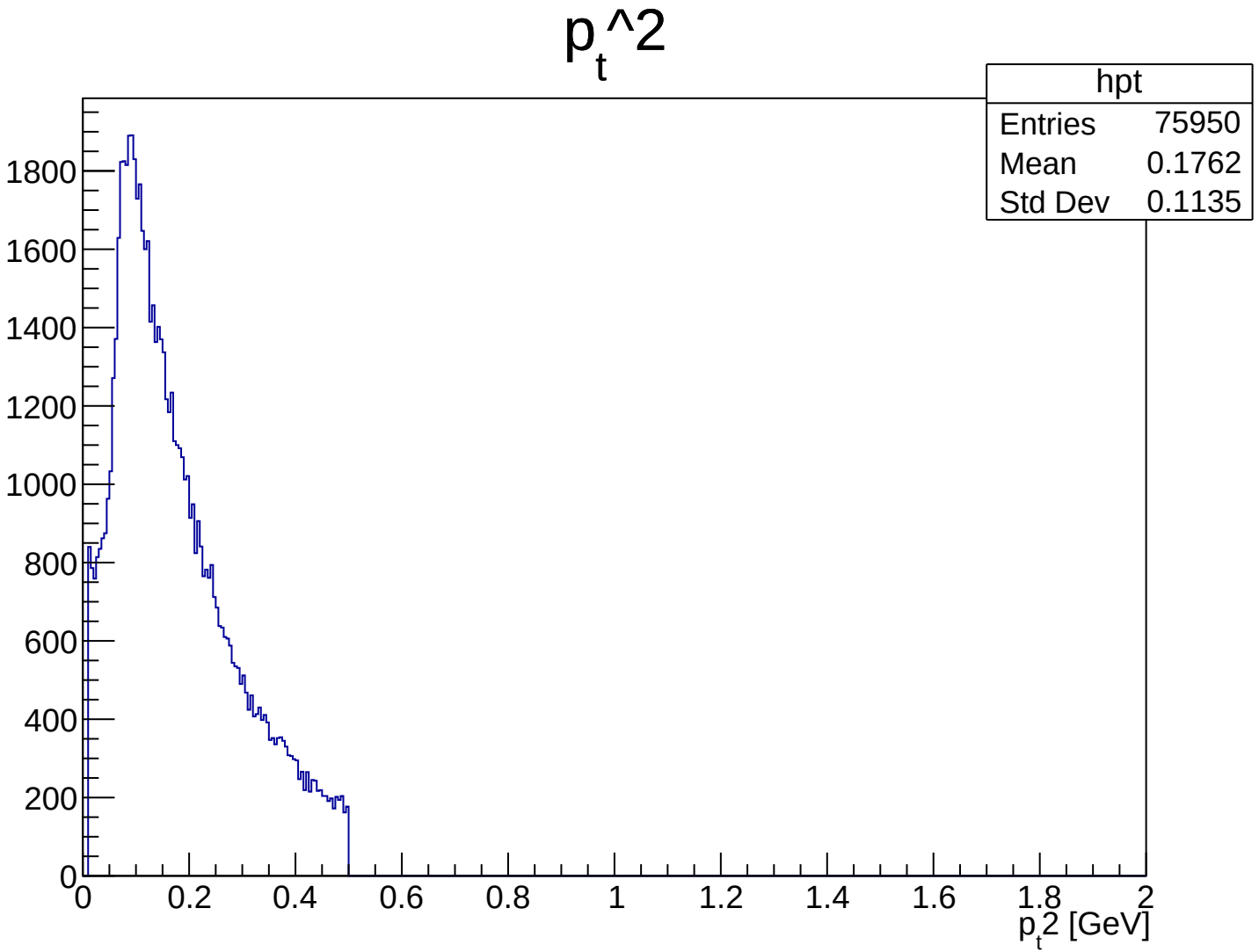

Q^2
hq2
Entries 75950
Mean 1.849
Std Dev 1.103
3000
2500
2000
1500
1000
500
0
0 1 2 3 4 5 6 7 8 9 10
Q^2 [GeV^2]

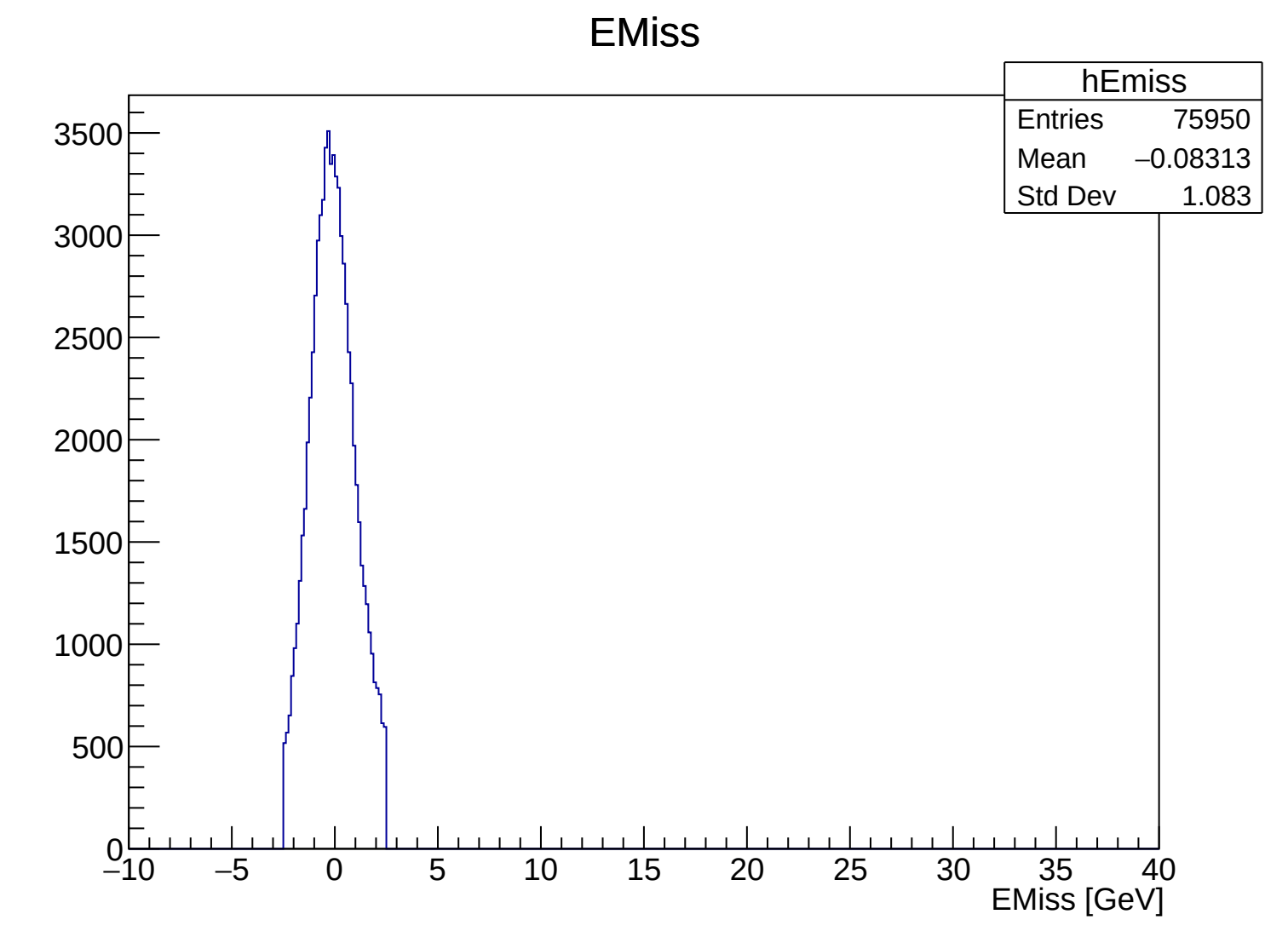

M(π+π-)
hIM
Entries 75950
Mean 0.7633
Std Dev 0.1075
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Invariant Mass π+π- [GeV]

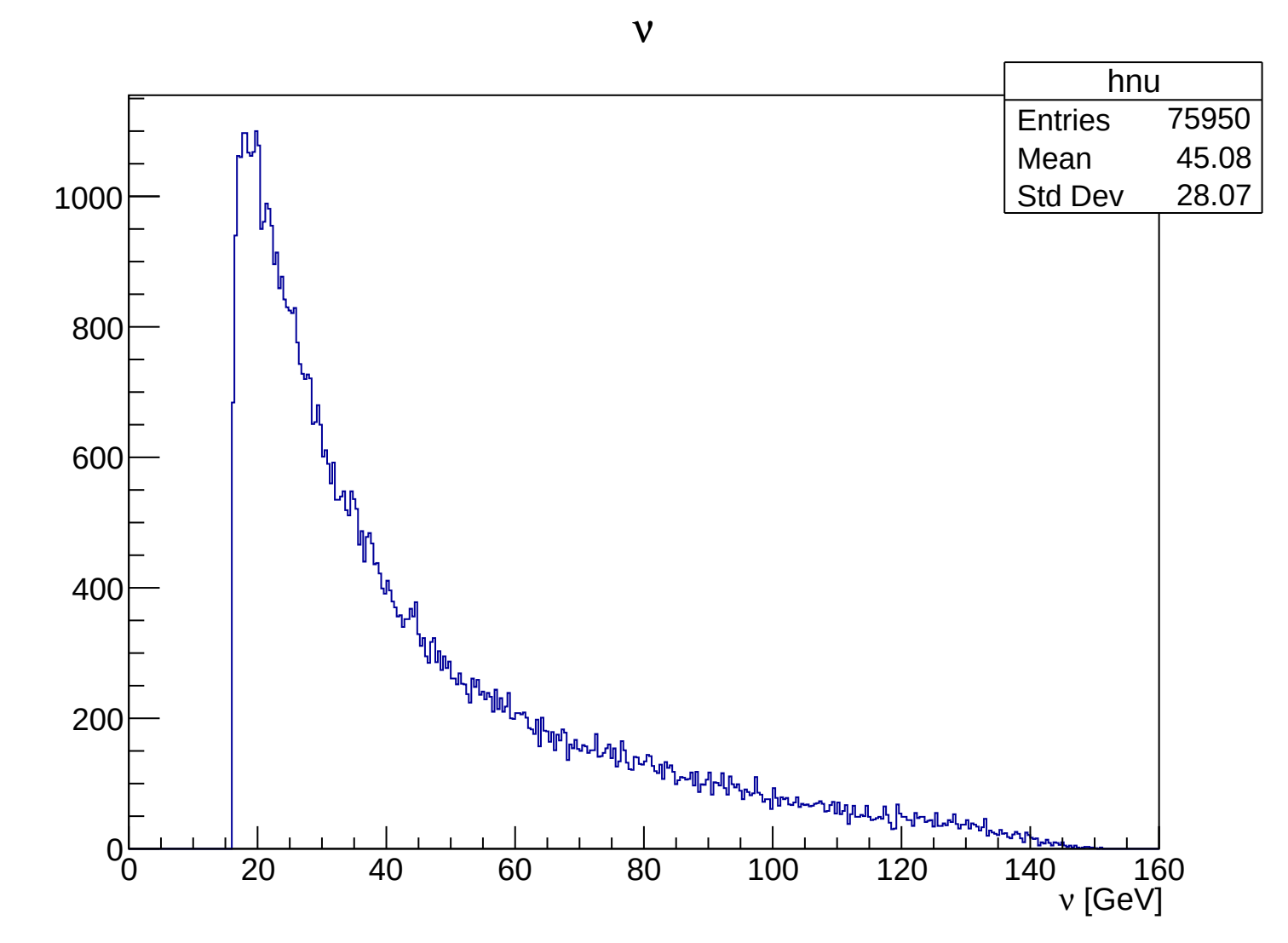

-t
hmt
Entries 75950
Mean 0.2064
Std Dev 0.1454
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
-t

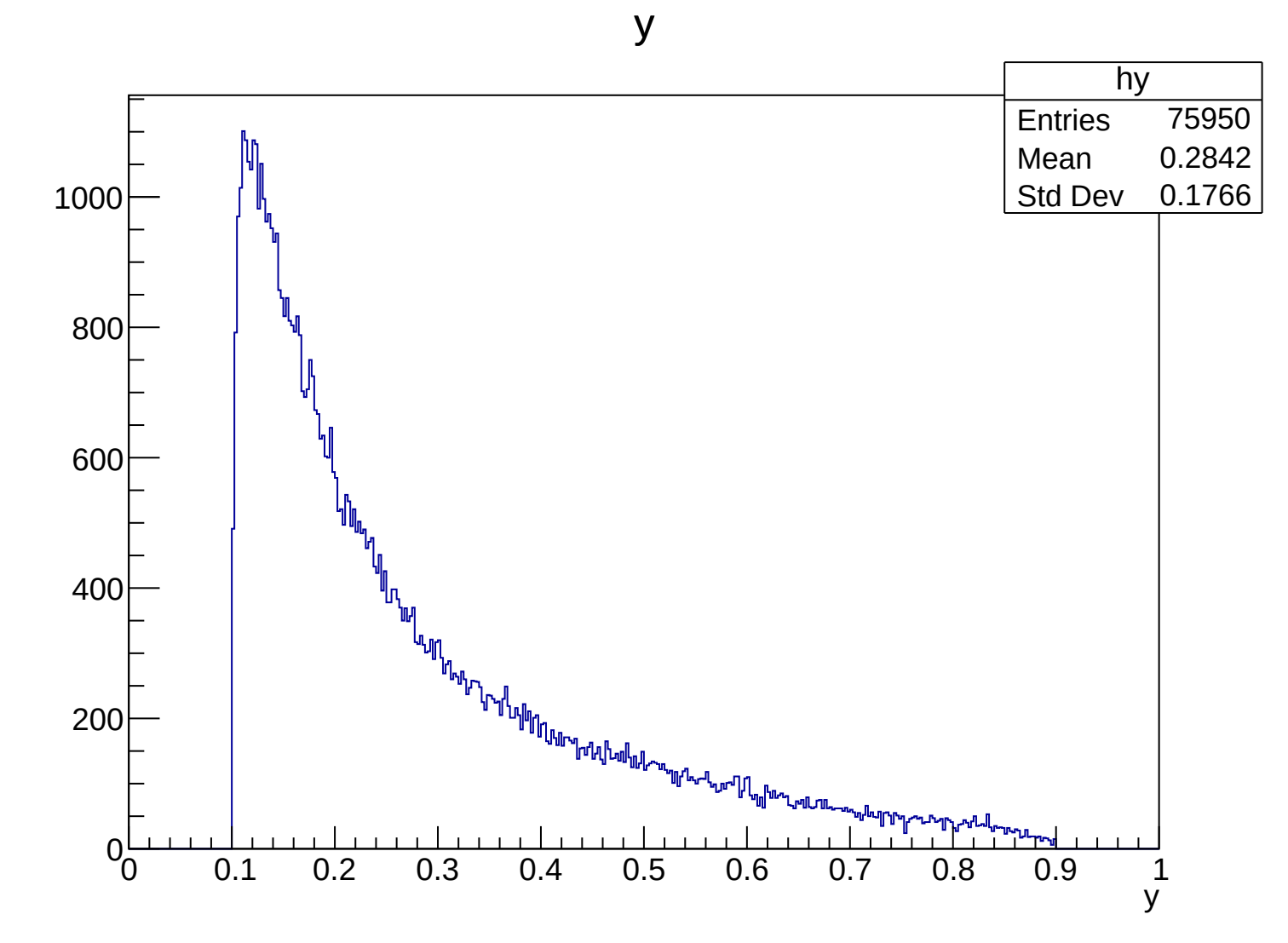

M(π+π-)
hMrho
Entries 75950
Mean 0.7633
Std Dev 0.1075
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Invariant Mass π+π- [GeV]

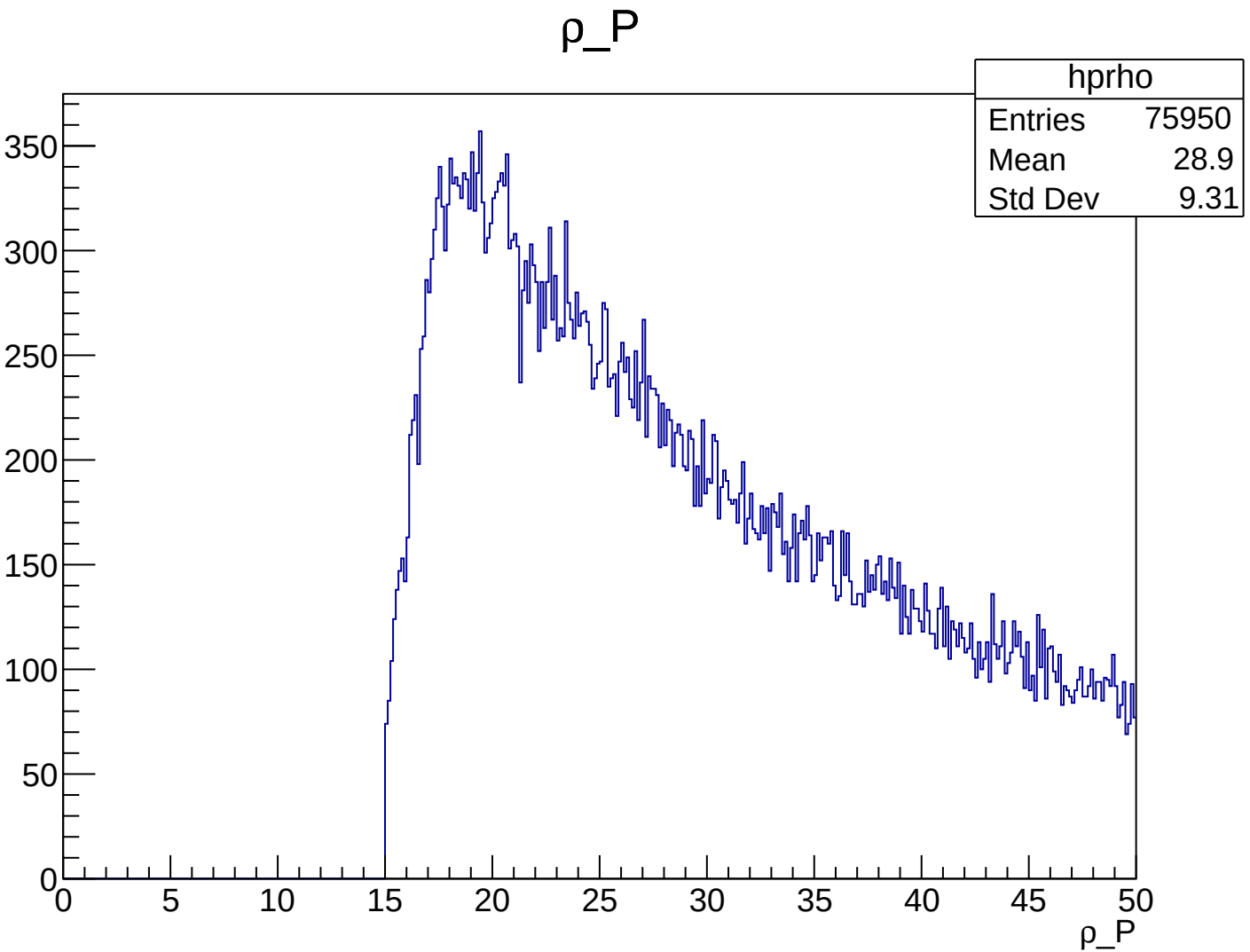

W
hW
Entries 75950
Mean 8.755
Std Dev 2.642
900
800
700
600
500
400
300
200
100
0
2
4
6
8
10
12
14
16
18
20
W [GeV^2]

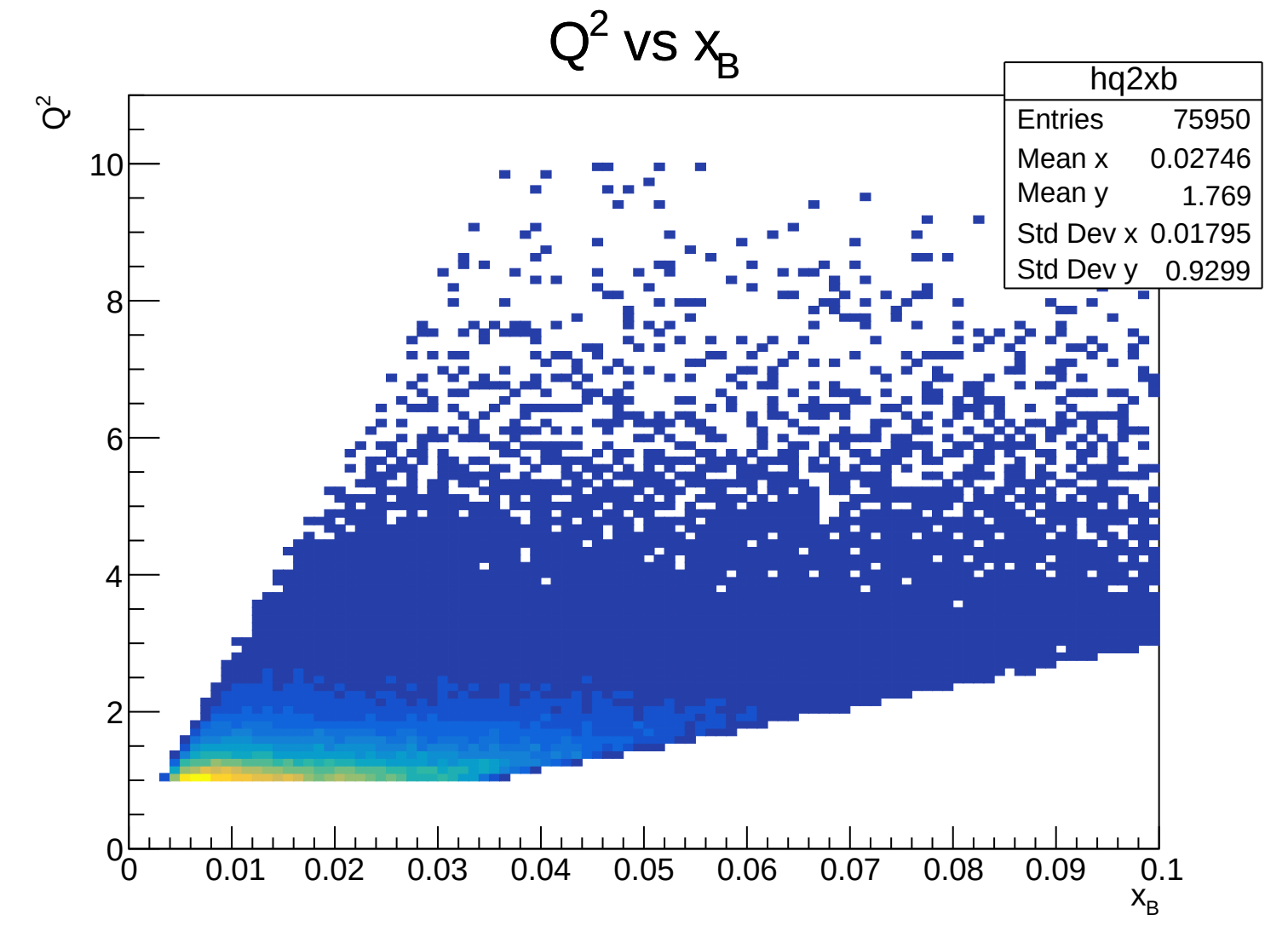

p_t^2
hpt
Entries 75950
Mean 0.1762
Std Dev 0.1135
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
p_t2 [GeV]

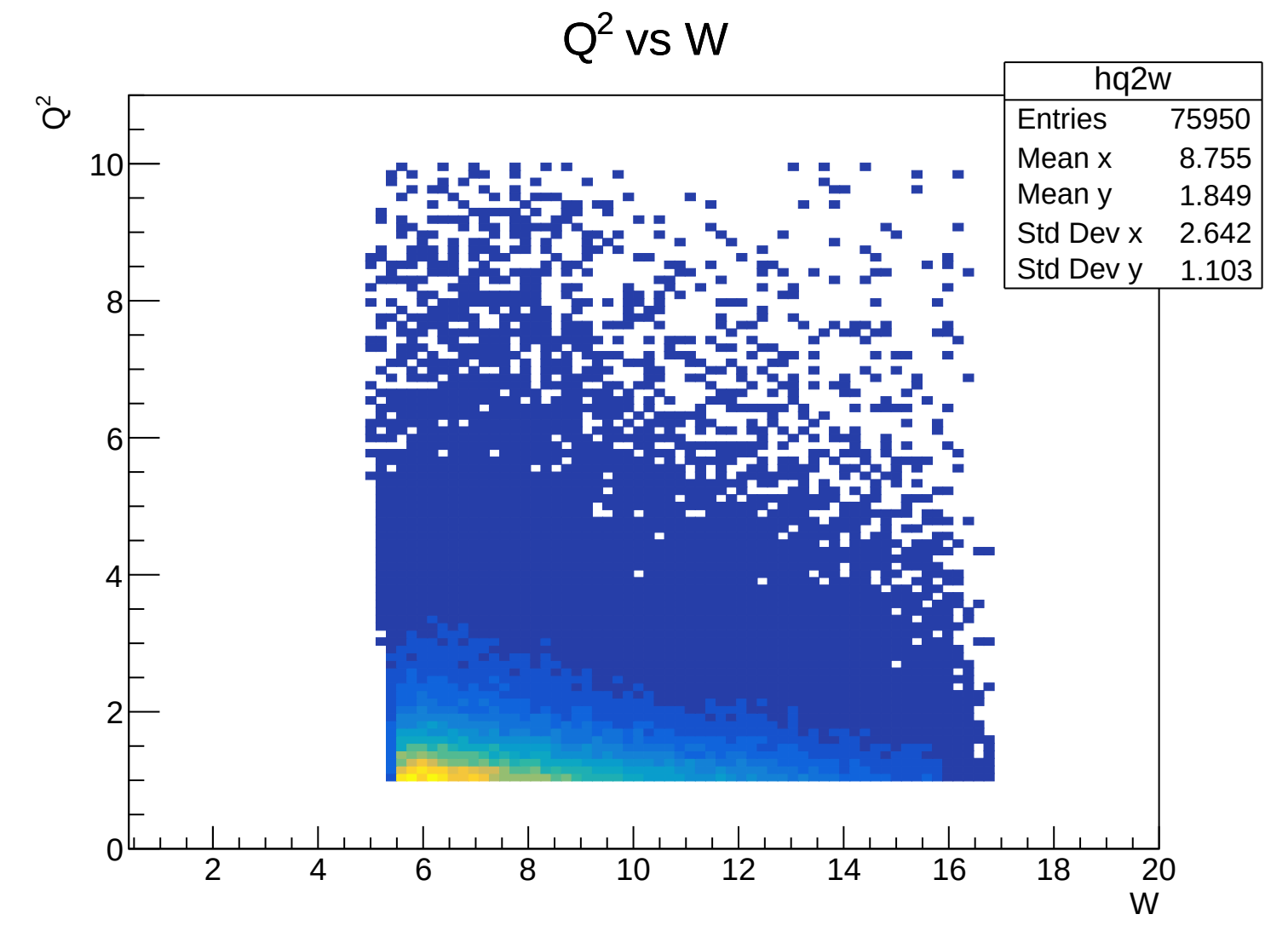

EMiss
hEmiss
Entries 75950
Mean –0.08313
Std Dev 1.083
3500
3000
2500
2000
1500
1000
500
0
–10
–5
0
5
10
15
20
25
30
35
40
EMiss [GeV]


ν
hnu
Entries 75950
Mean 45.08
Std Dev 28.07
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
ν [GeV]


y
hy
Entries 75950
Mean 0.2842
Std Dev 0.1766
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y


ρ_P
hprho
Entries 75950
Mean 28.9
Std Dev 9.31
350
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50
ρ_P


Q^2 vs x_B
hq2xb
Entries 75950
Mean x 0.02746
Mean y 1.769
Std Dev x 0.01795
Std Dev y 0.9299
Q^2
0
2
4
6
8
10
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
x_B


Q^2 vs W
hq2w
Entries 75950
Mean x 8.755
Mean y 1.849
Std Dev x 2.642
Std Dev y 1.103
Q^2
W
0
2
4
6
8
10
12
14
16
18
20