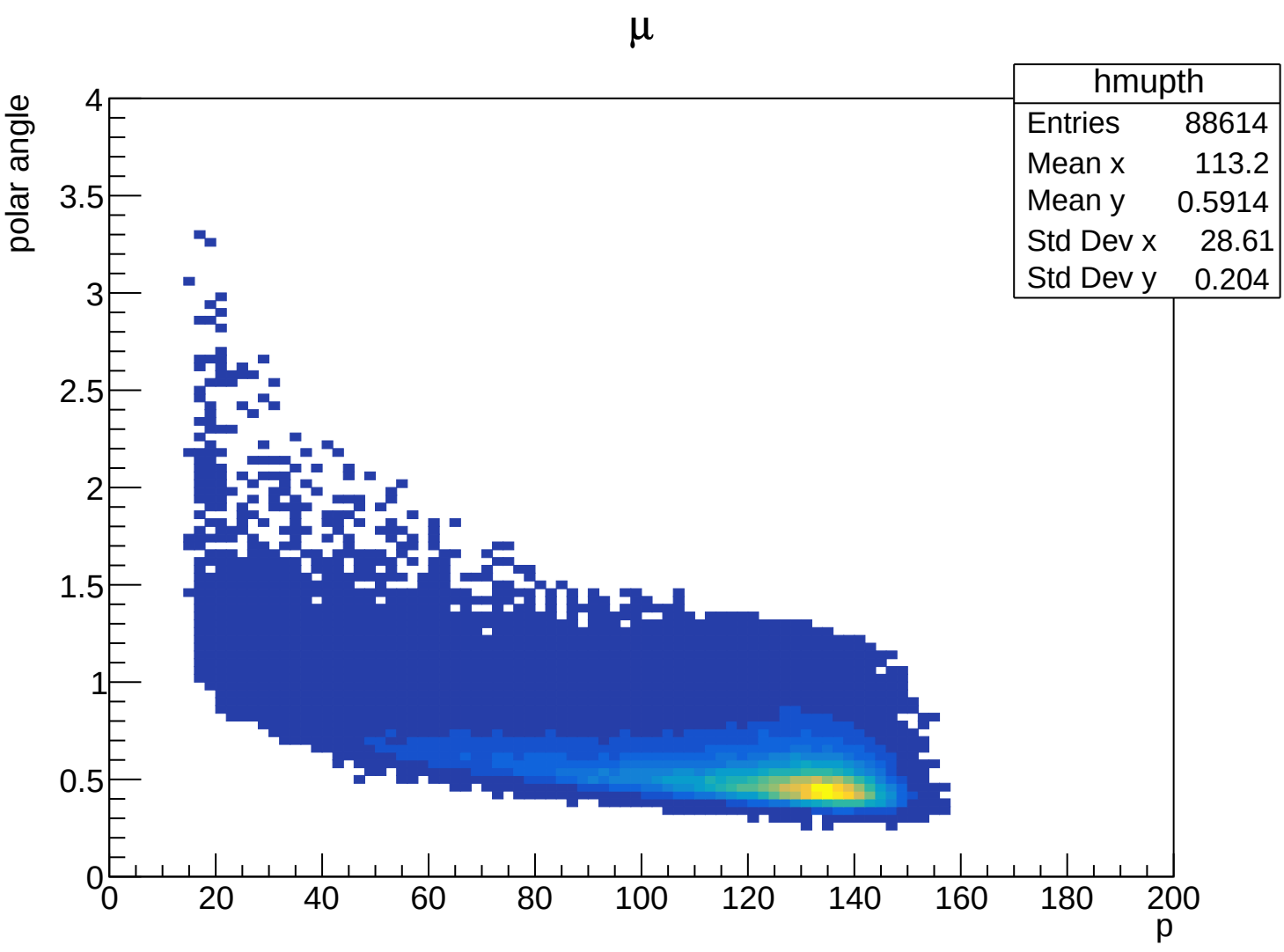
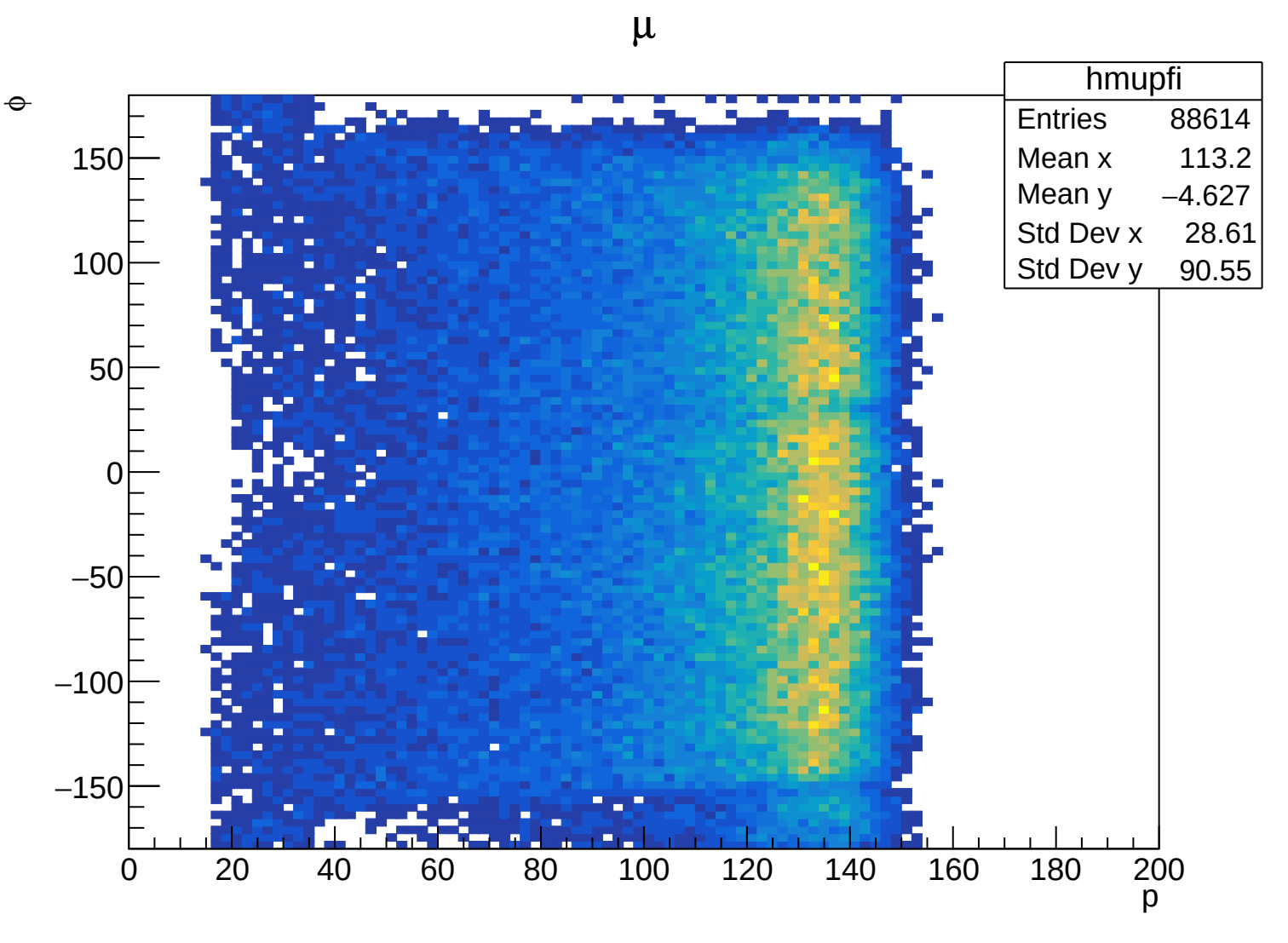
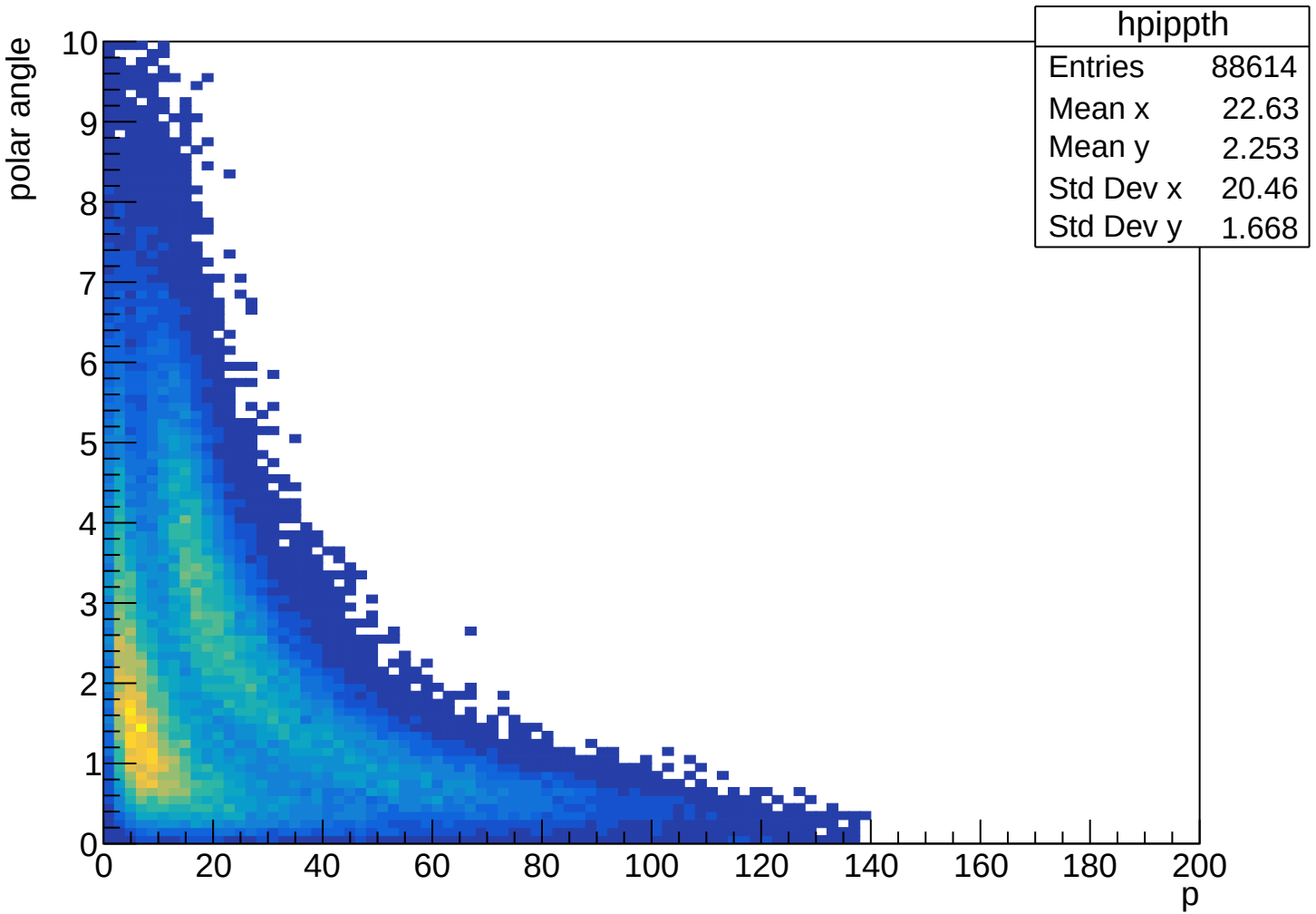
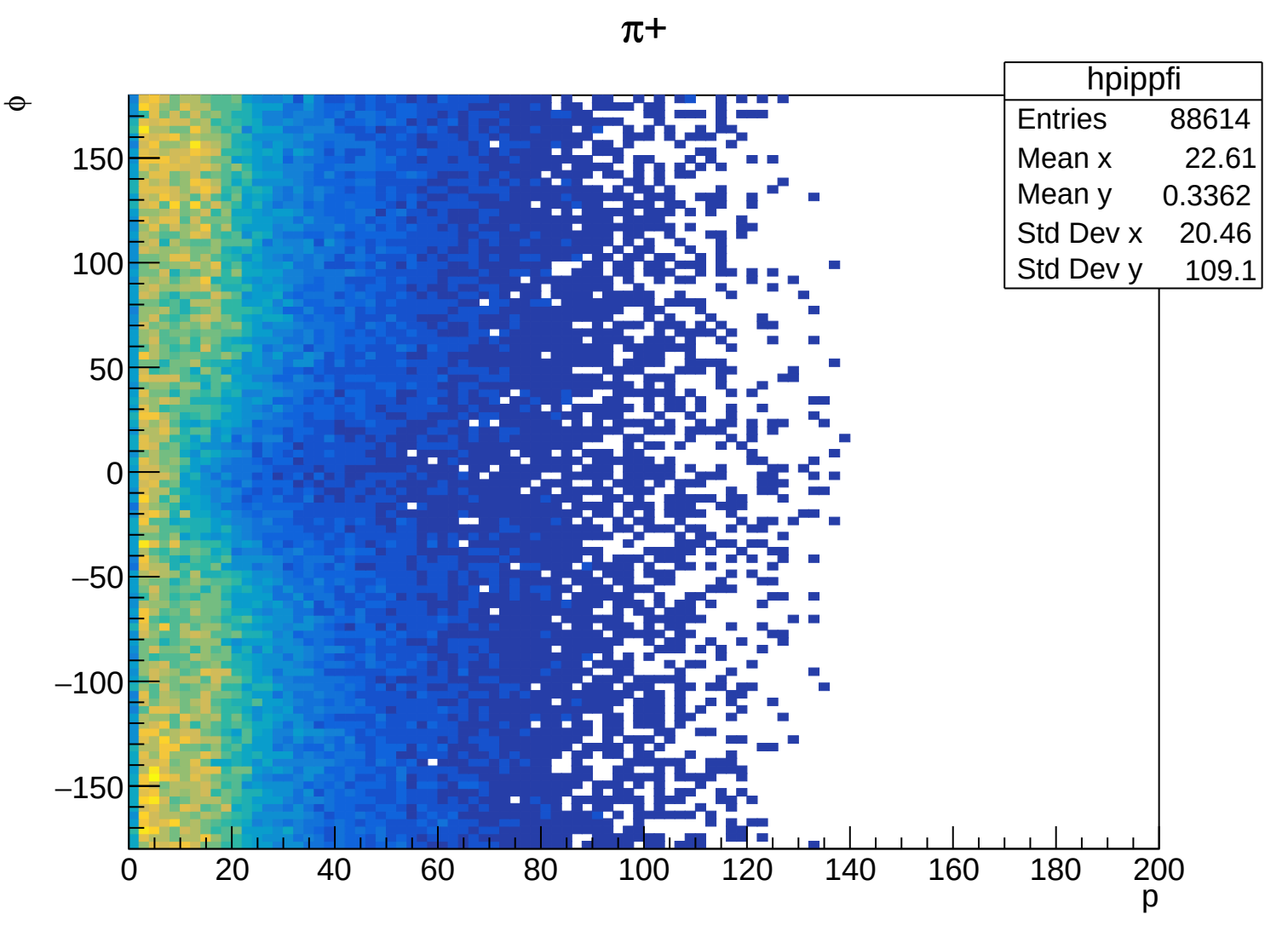
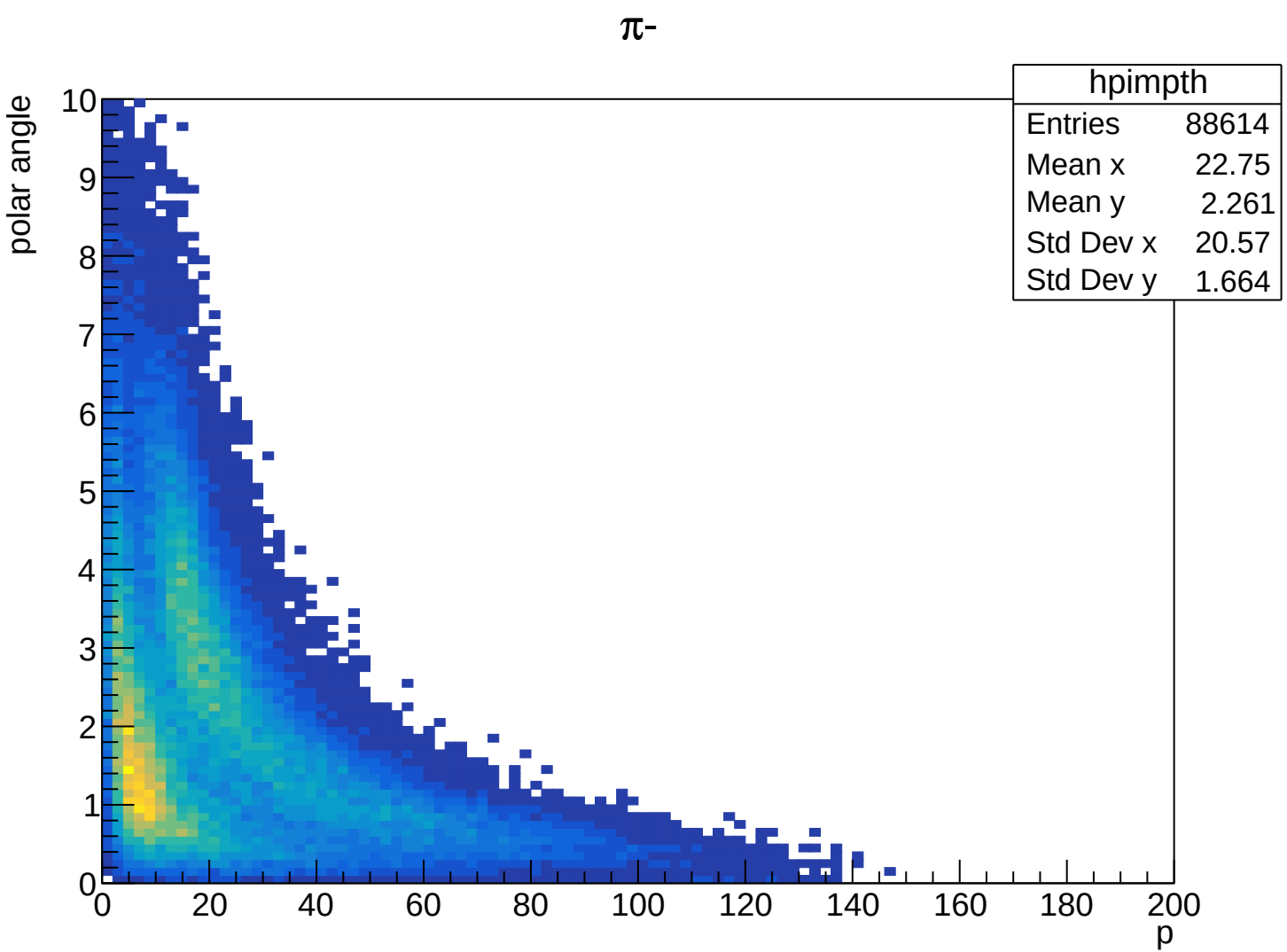
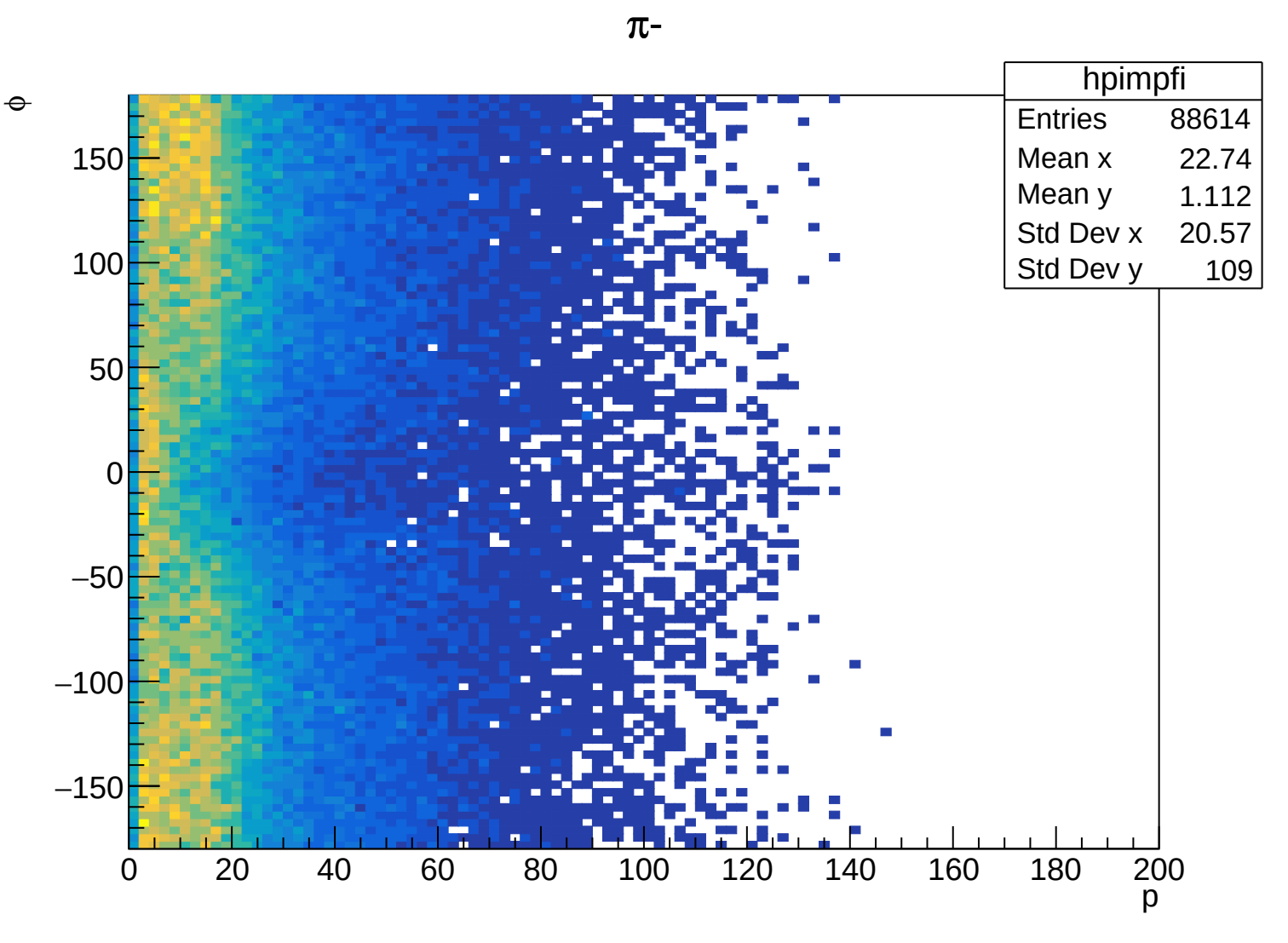

μ
hmupth
Entries 88614
Mean x 113.2
Mean y 0.5914
Std Dev x 28.61
Std Dev y 0.204
polar angle
p
0
0.5
1
1.5
2
2.5
3
3.5
4
0
20
40
60
80
100
120
140
160
180
200

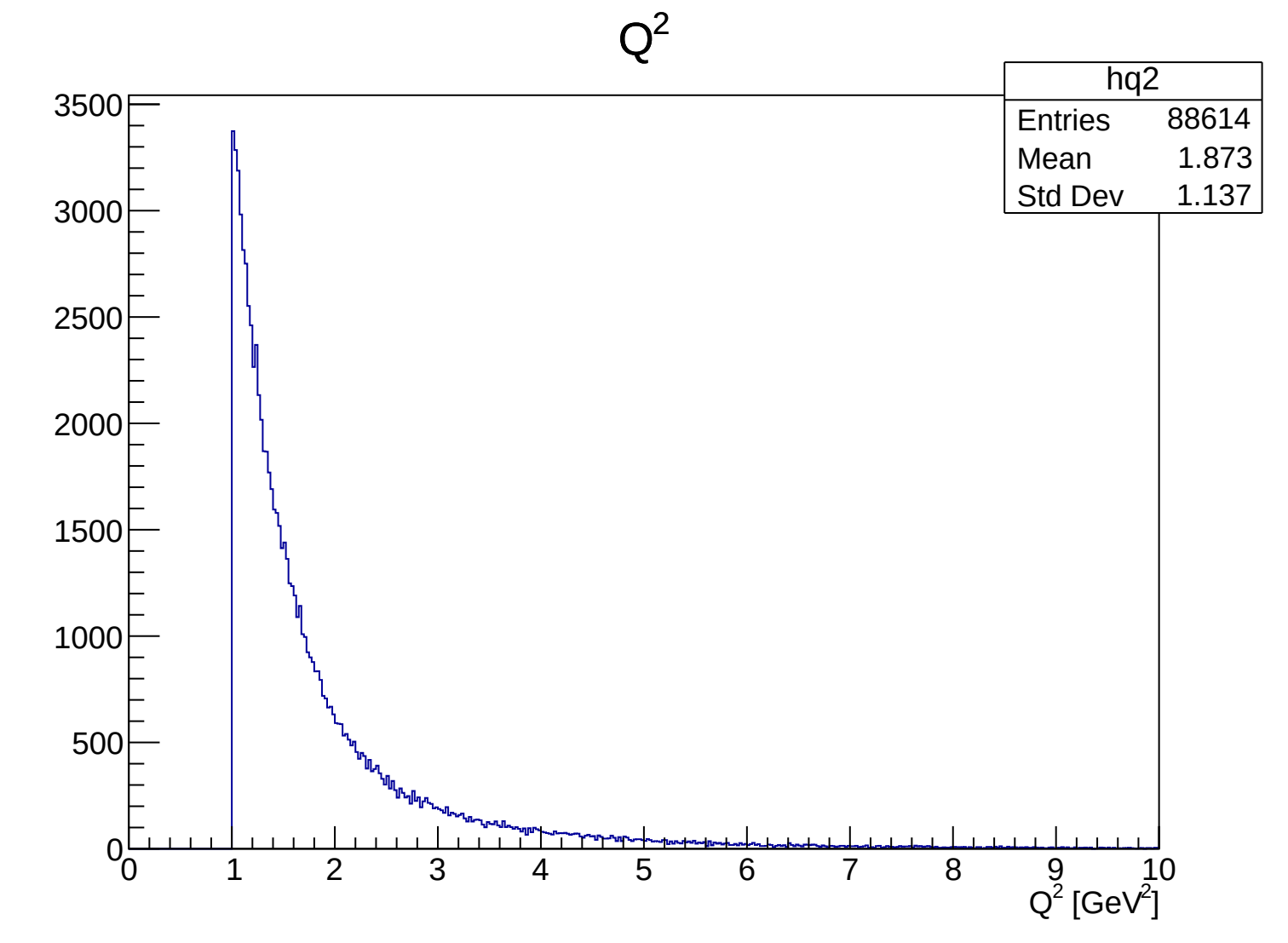

μ
hmupfi
Entries 88614
Mean x 113.2
Mean y −4.627
Std Dev x 28.61
Std Dev y 90.55
ϕ
150
100
50
0
−50
−100
−150
0
20
40
60
80
100
120
140
160
180
200
p

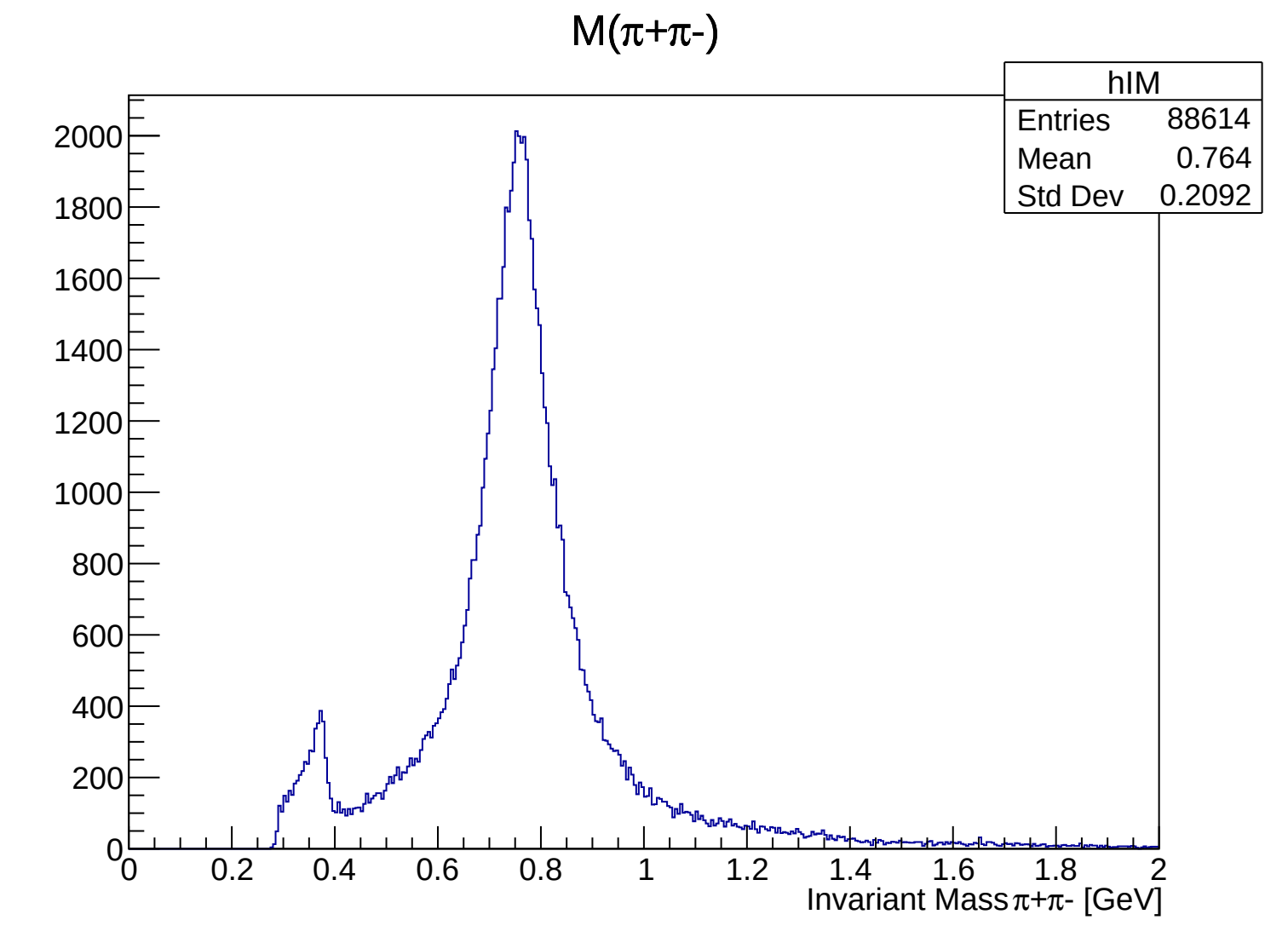

π+
hpippth
Entries 88614
Mean x 22.63
Mean y 2.253
Std Dev x 20.46
Std Dev y 1.668
polar angle
p
0
1
2
3
4
5
6
7
8
9
10
0
20
40
60
80
100
120
140
160
180
200

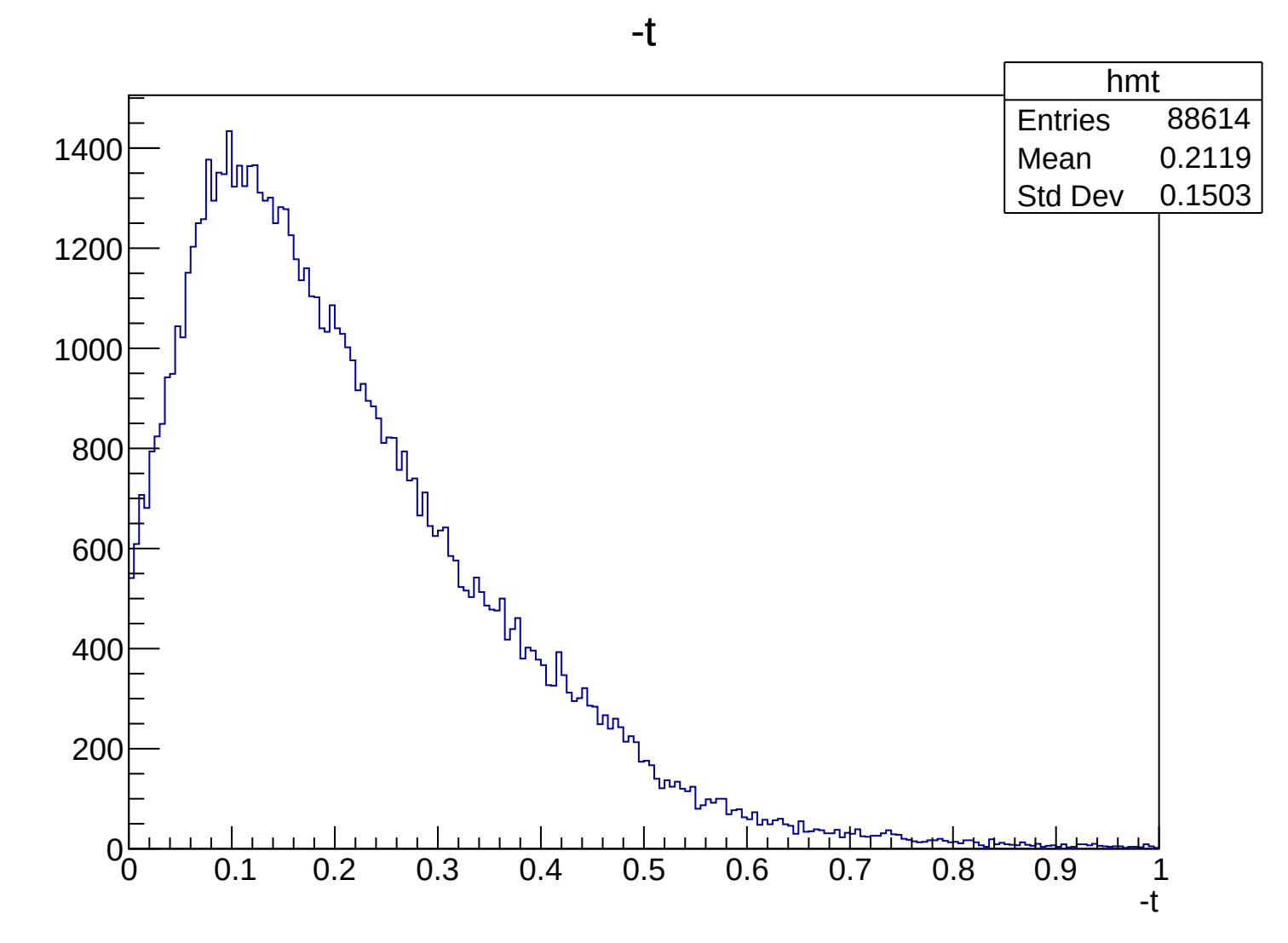

π+
hpippfi
Entries 88614
Mean x 22.61
Mean y 0.3362
Std Dev x 20.46
Std Dev y 109.1
ϕ
150
100
50
0
−50
−100
−150
0
20
40
60
80
100
120
140
160
180
200
p

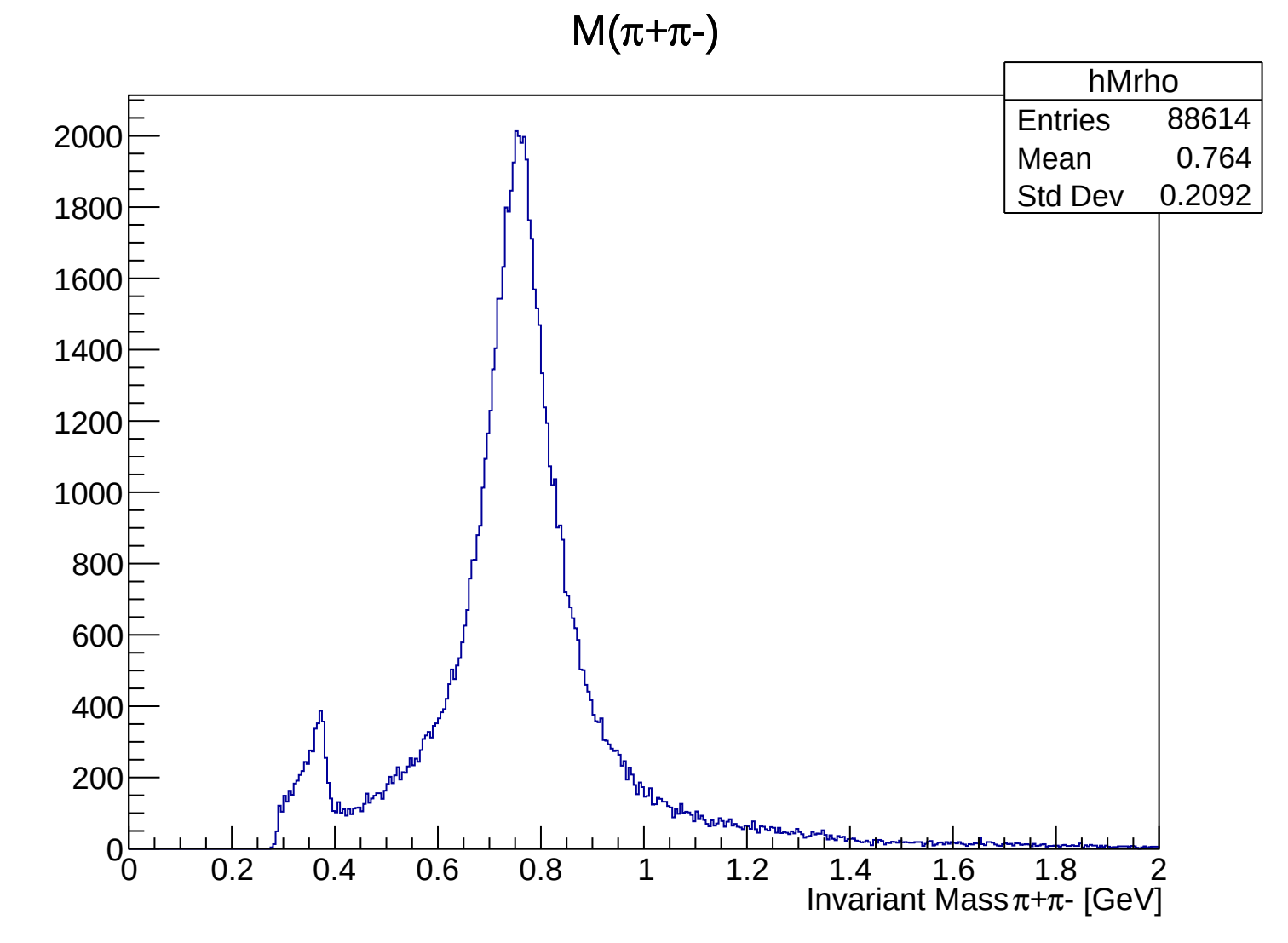

π-
hpimpth
Entries 88614
Mean x 22.75
Mean y 2.261
Std Dev x 20.57
Std Dev y 1.664
polar angle
p
0
1
2
3
4
5
6
7
8
9
10
0
20
40
60
80
100
120
140
160
180
200

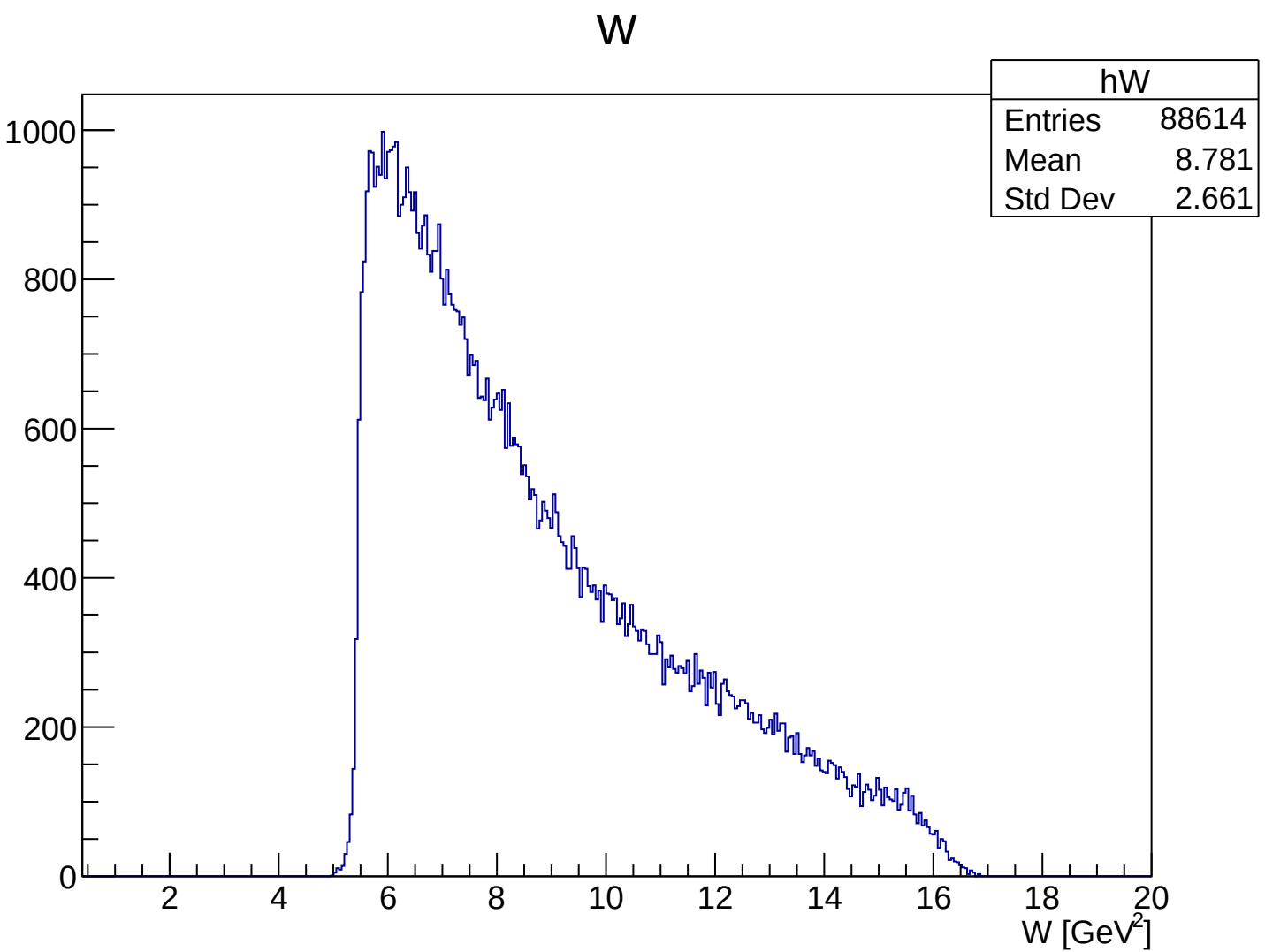

π-
hpimpfi
Entries 88614
Mean x 22.74
Mean y 1.112
Std Dev x 20.57
Std Dev y 109
ϕ
150
100
50
0
−50
−100
−150
0
20
40
60
80
100
120
140
160
180
200
p

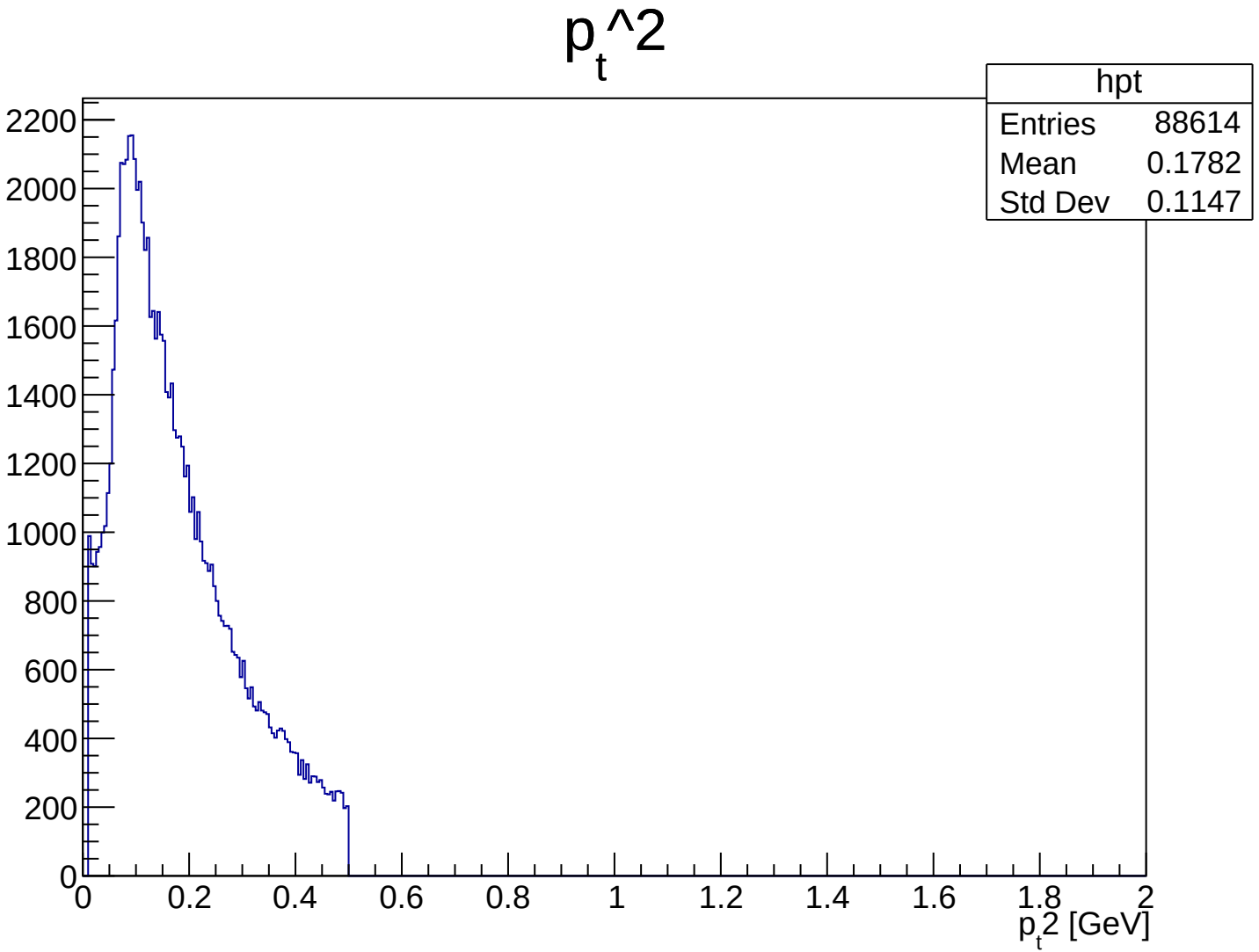

Q^2
hq2
Entries 88614
Mean 1.873
Std Dev 1.137
3500
3000
2500
2000
1500
1000
500
0
0 1 2 3 4 5 6 7 8 9 10
Q^2 [GeV^2]

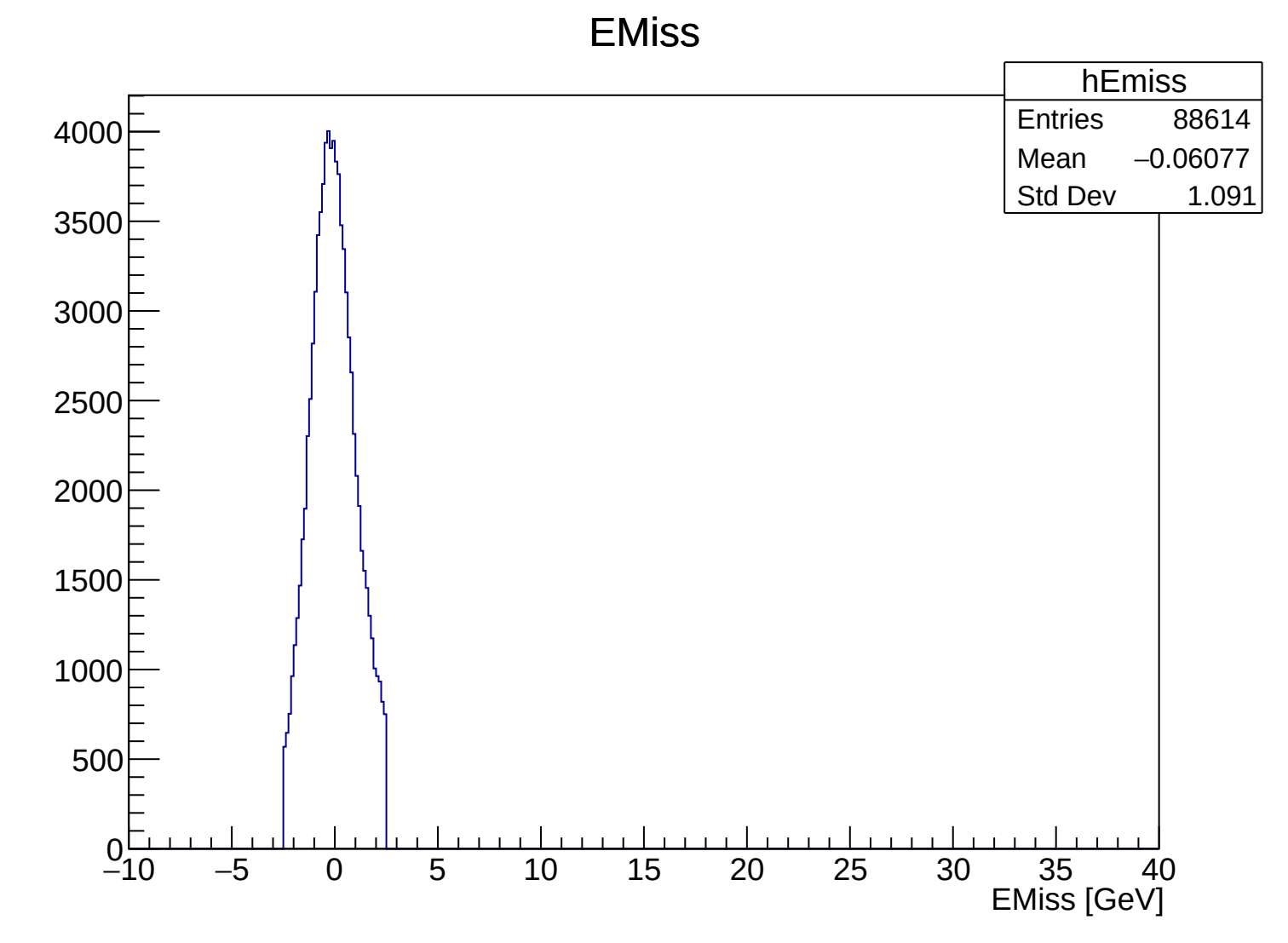

M(π+π-)
hIM
Entries 88614
Mean 0.764
Std Dev 0.2092
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Invariant Mass π+π- [GeV]

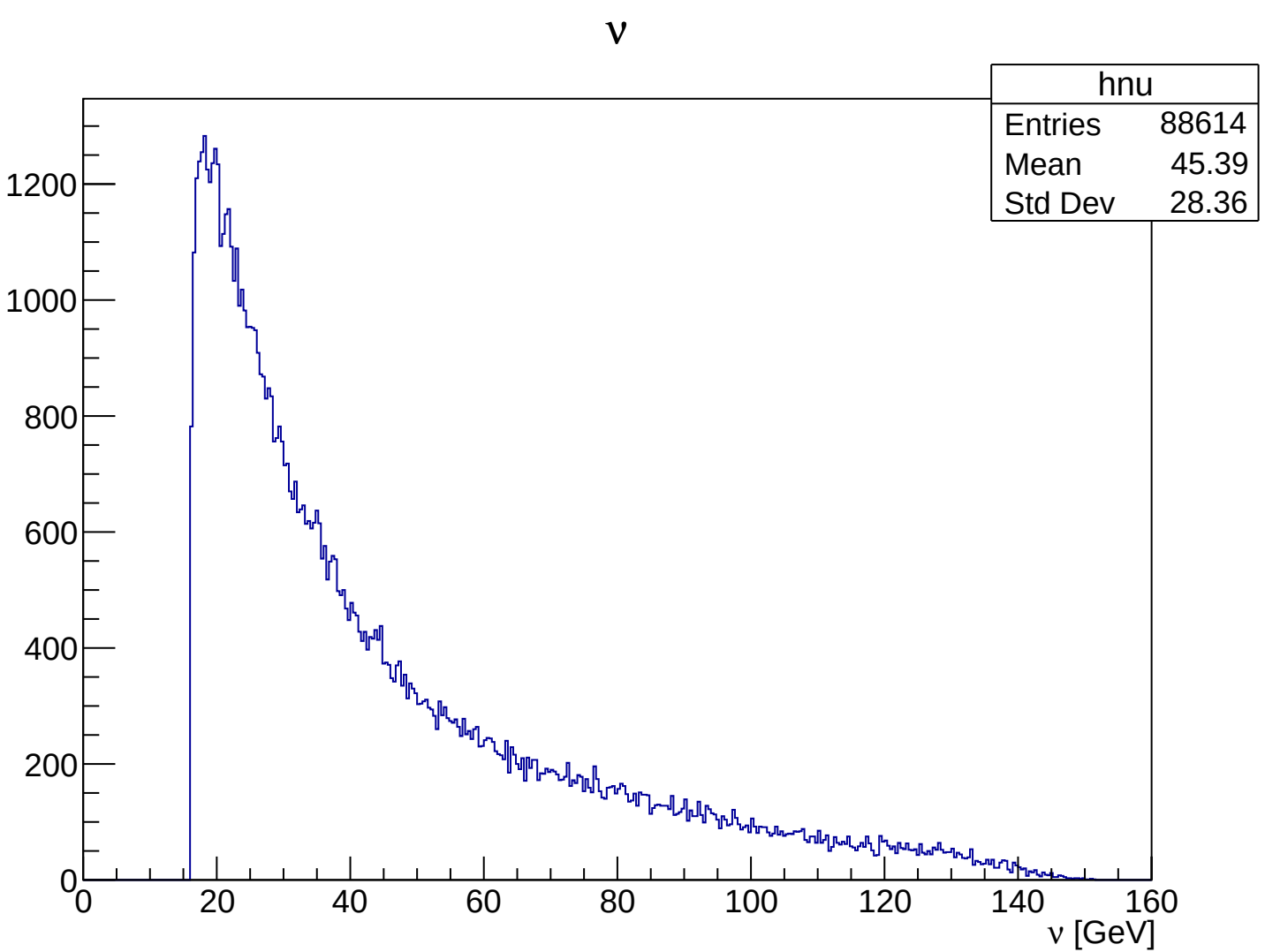

-t
hmt
Entries 88614
Mean 0.2119
Std Dev 0.1503
1400
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
-t

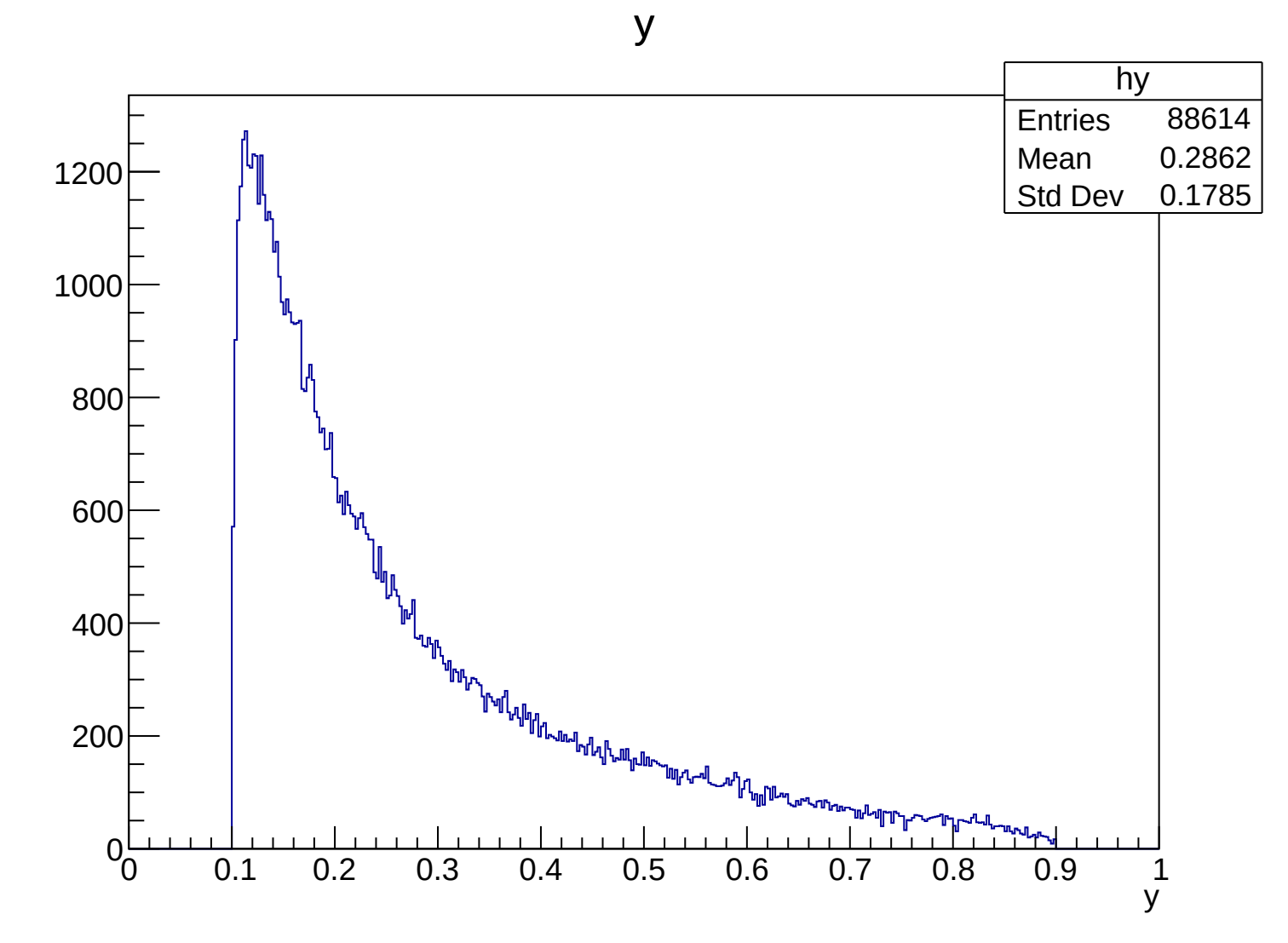

M(π+π-)
hMrho
Entries 88614
Mean 0.764
Std Dev 0.2092
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
Invariant Mass π+π- [GeV]

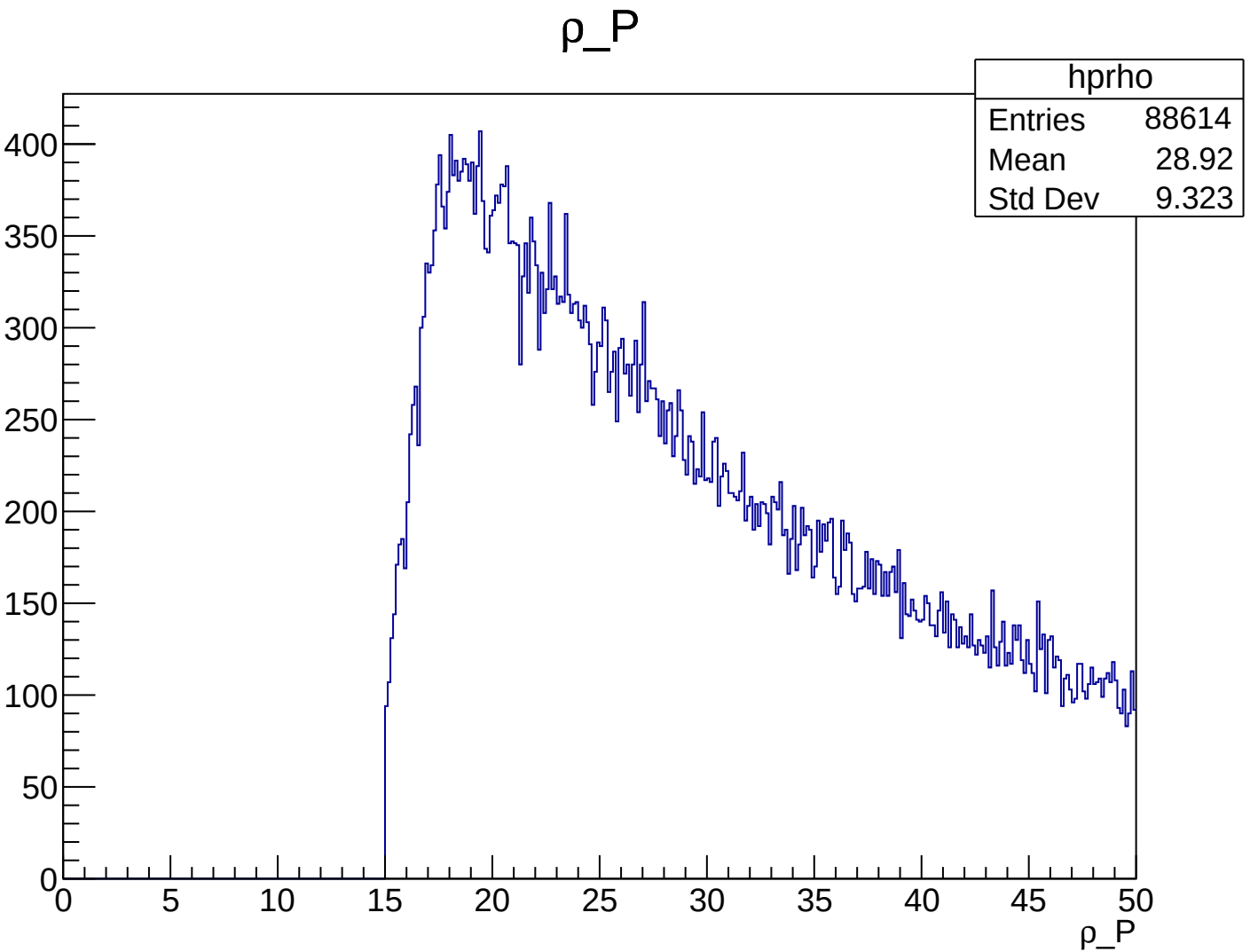

W
hW
Entries 88614
Mean 8.781
Std Dev 2.661
1000
800
600
400
200
0
2
4
6
8
10
12
14
16
18
20
W [GeV^2]

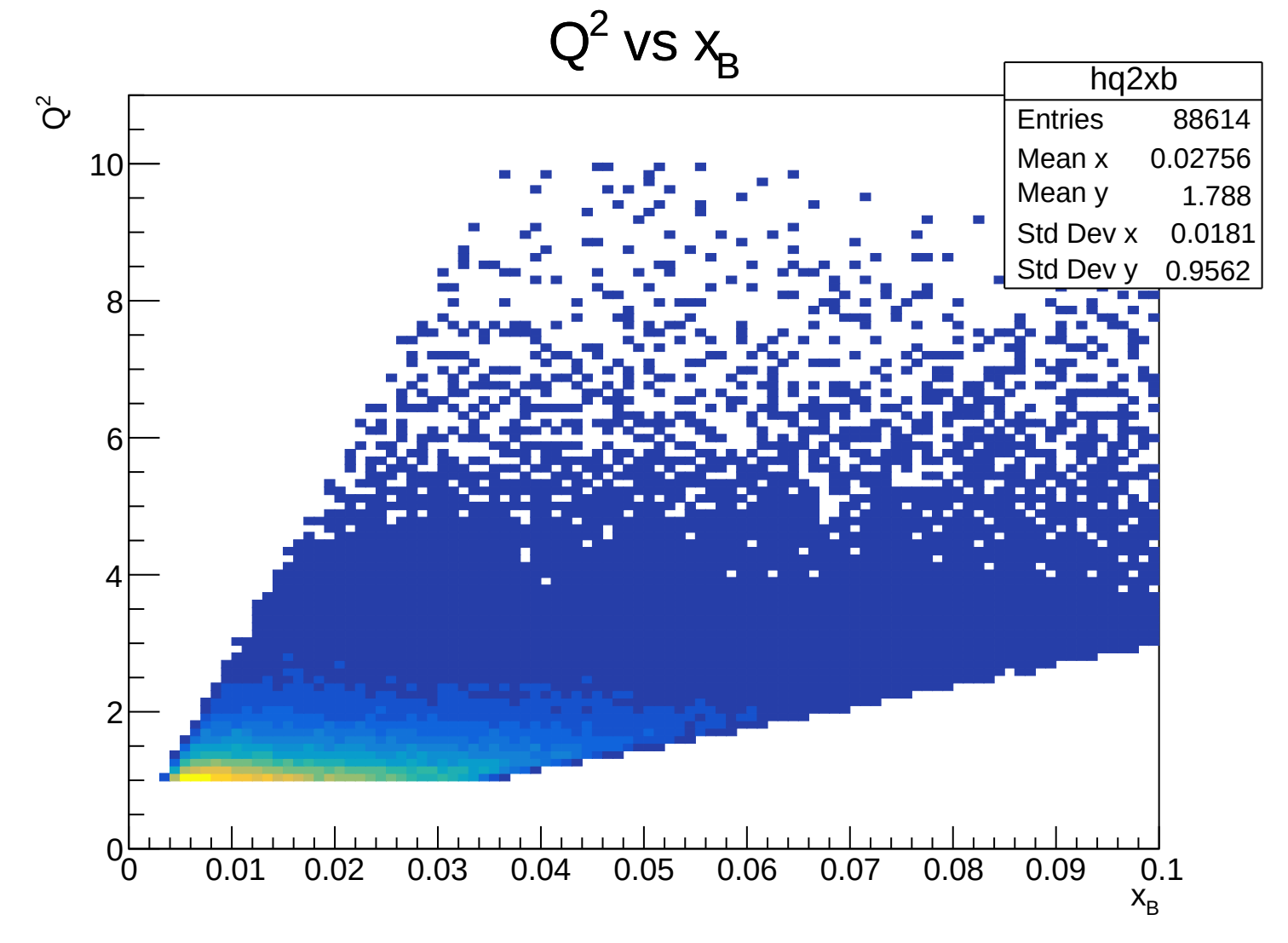

p_t^2
hpt
Entries 88614
Mean 0.1782
Std Dev 0.1147
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
p_t2 [GeV]

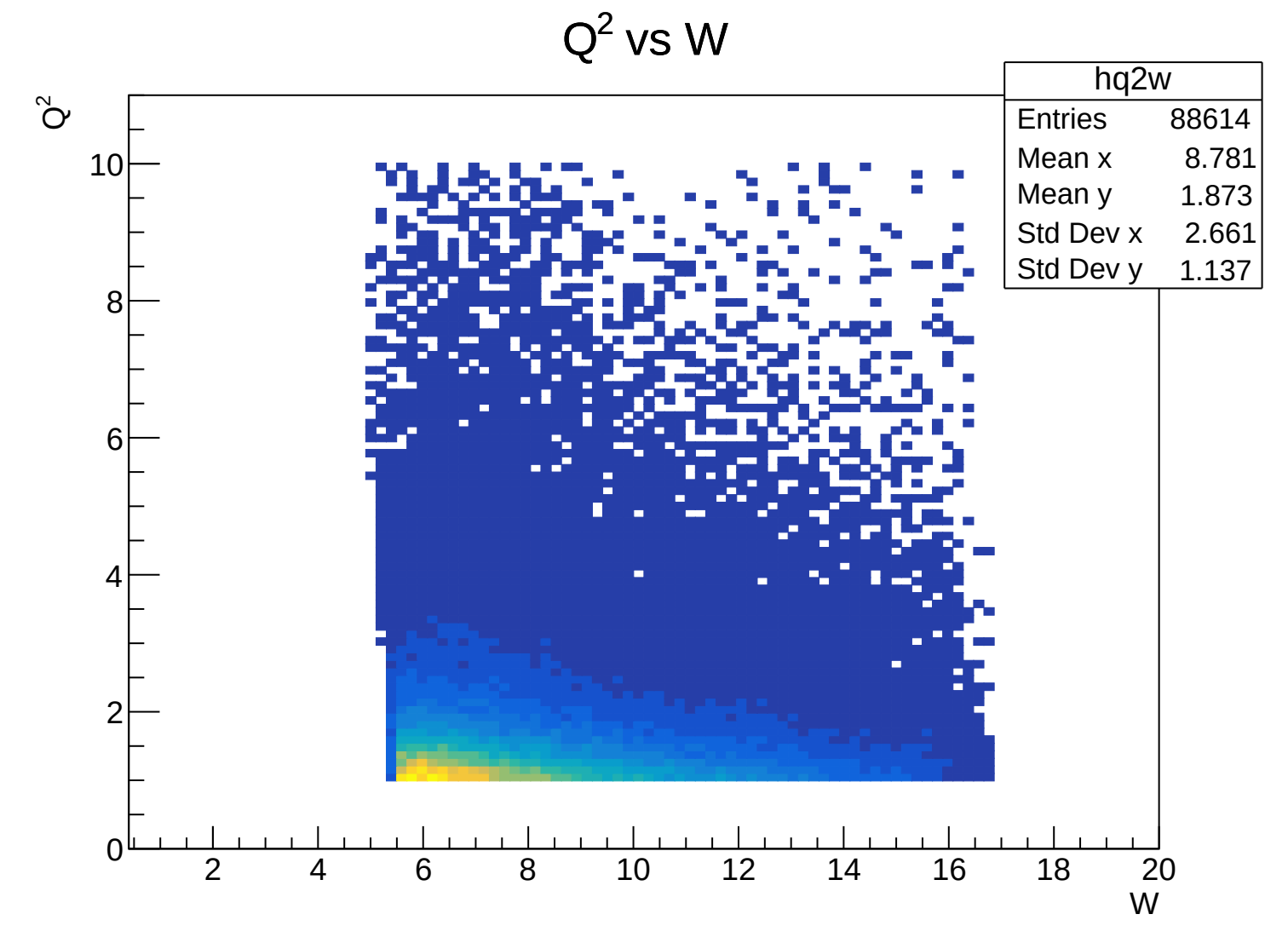

EMiss
hEmiss
Entries 88614
Mean –0.06077
Std Dev 1.091
4000
3500
3000
2500
2000
1500
1000
500
0
–10
–5
0
5
10
15
20
25
30
35
40
EMiss [GeV]


ν
hnu
Entries 88614
Mean 45.39
Std Dev 28.36
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
ν [GeV]


y
hy
Entries 88614
Mean 0.2862
Std Dev 0.1785
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
y


ρ_P
hprho
Entries 88614
Mean 28.92
Std Dev 9.323
400
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 88614
Mean x 0.02756
Mean y 1.788
Std Dev x 0.0181
Std Dev y 0.9562
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 88614
Mean x 8.781
Mean y 1.873
Std Dev x 2.661
Std Dev y 1.137
Q^2
W
0
2
4
6
8
10
12
14
16
18
20