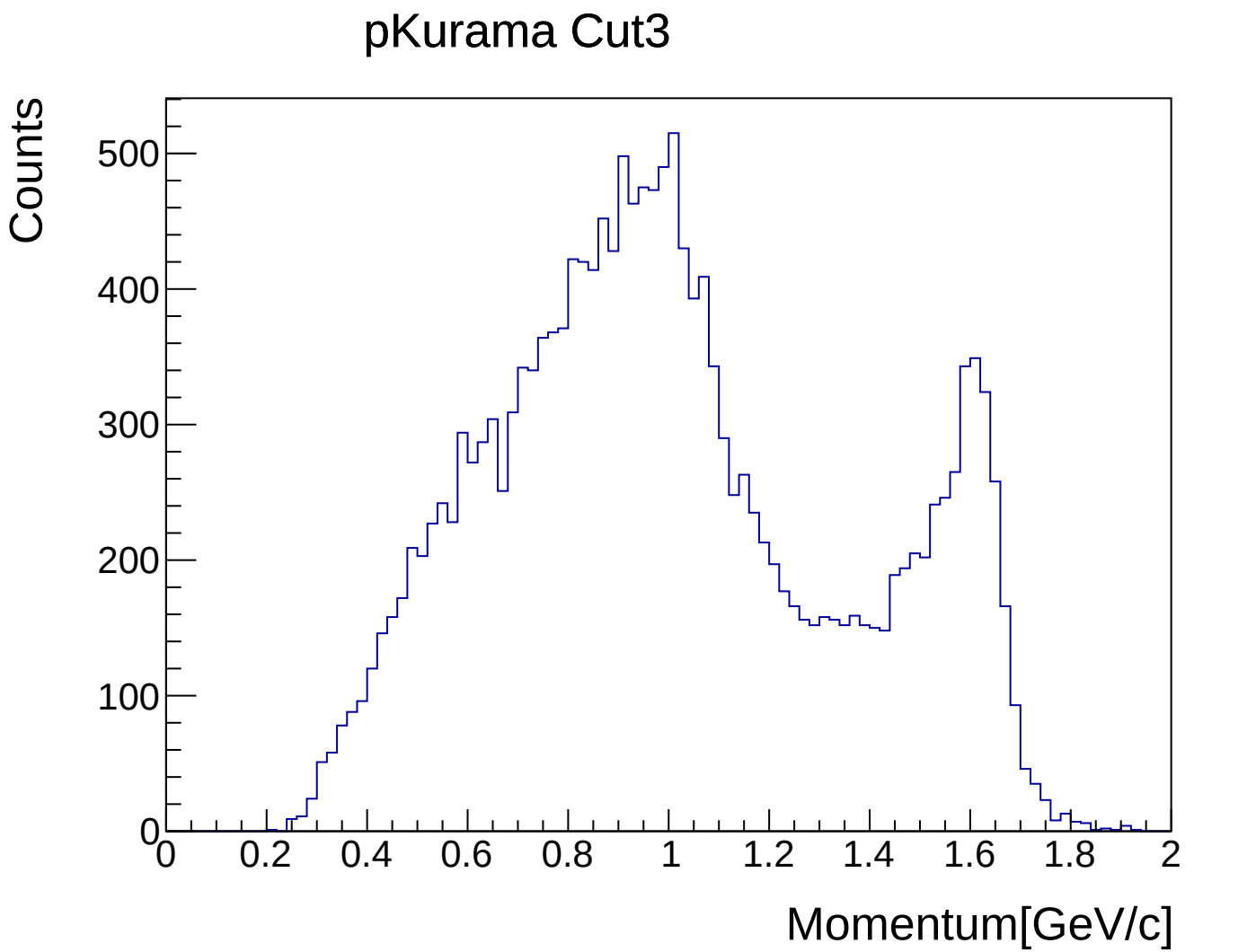
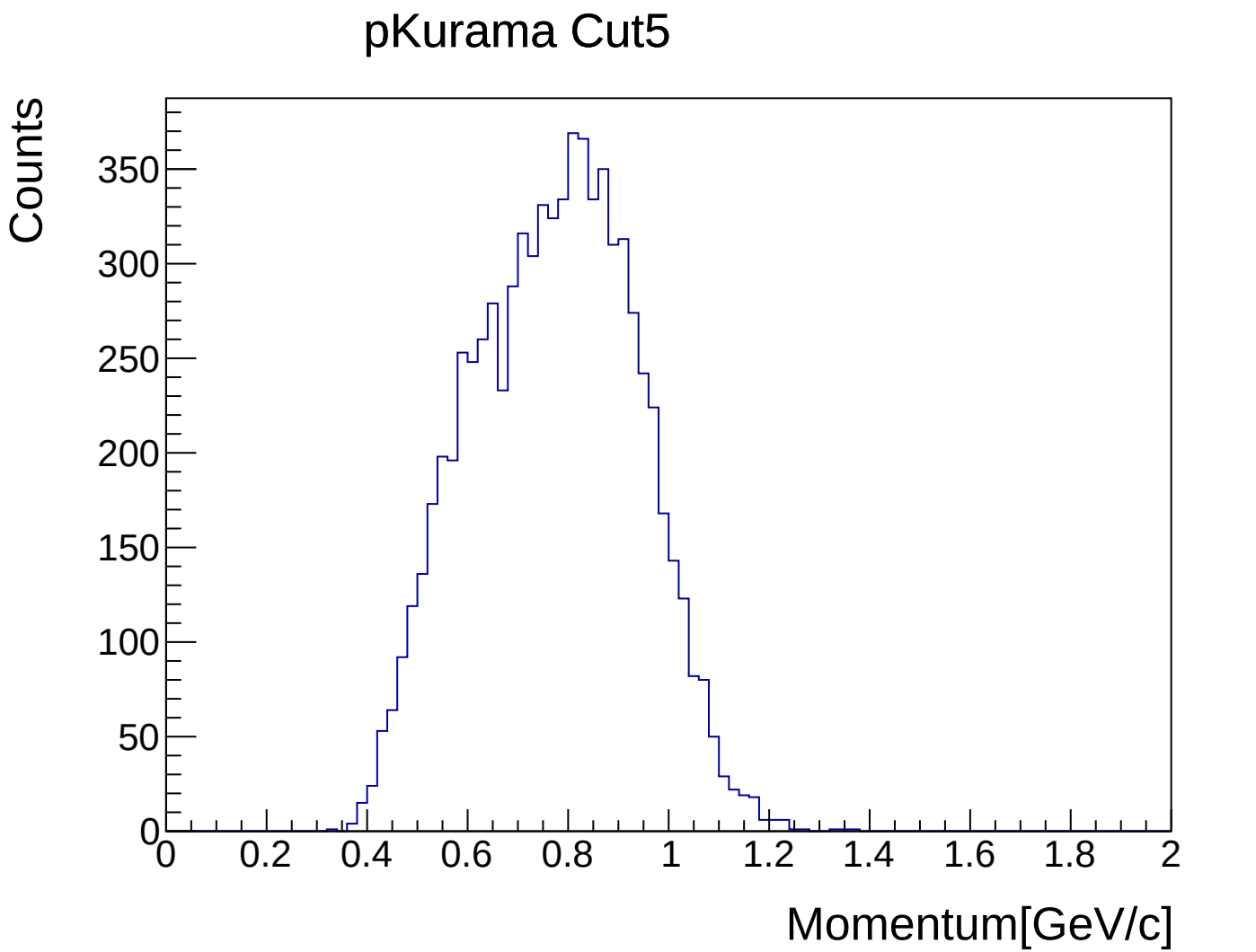
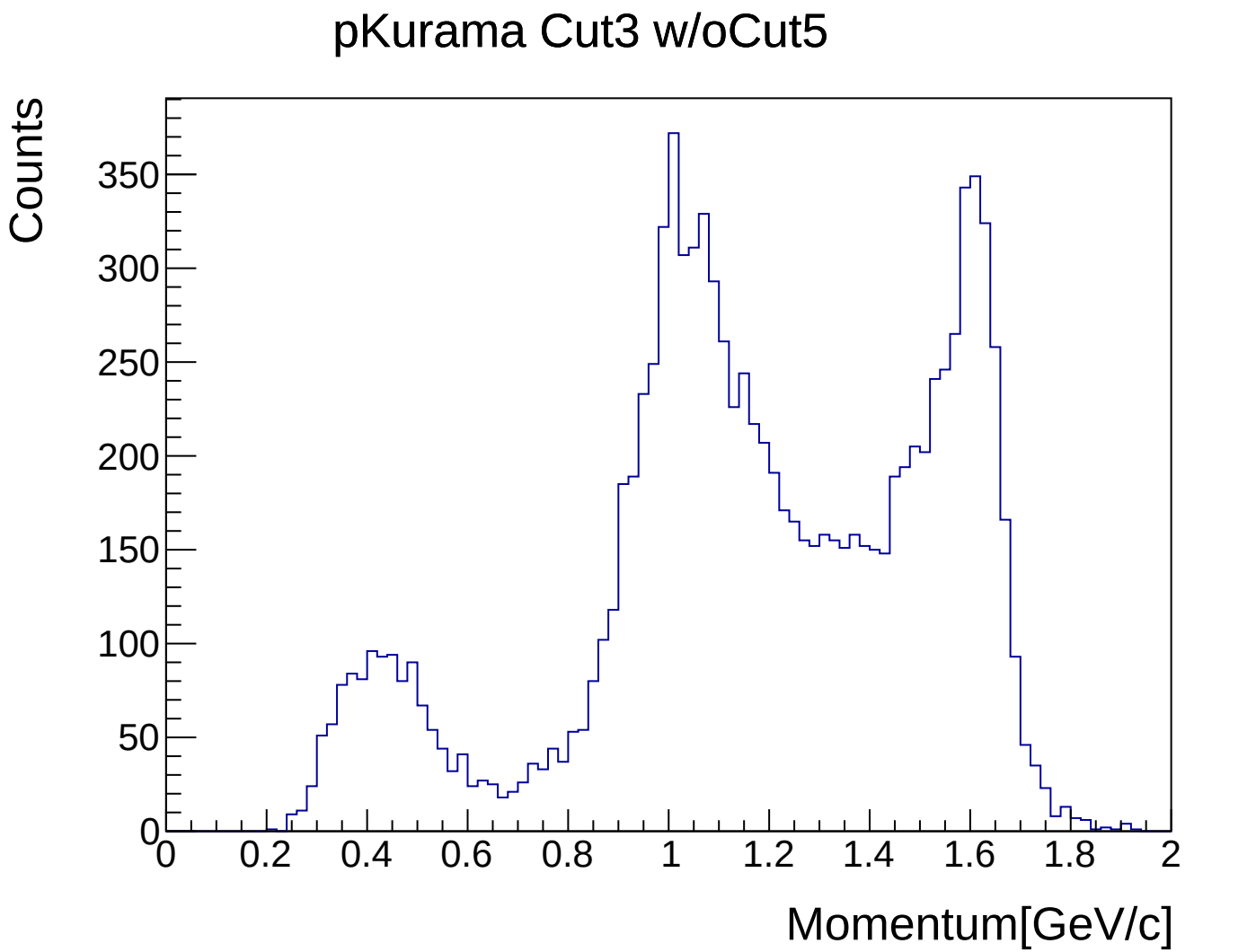
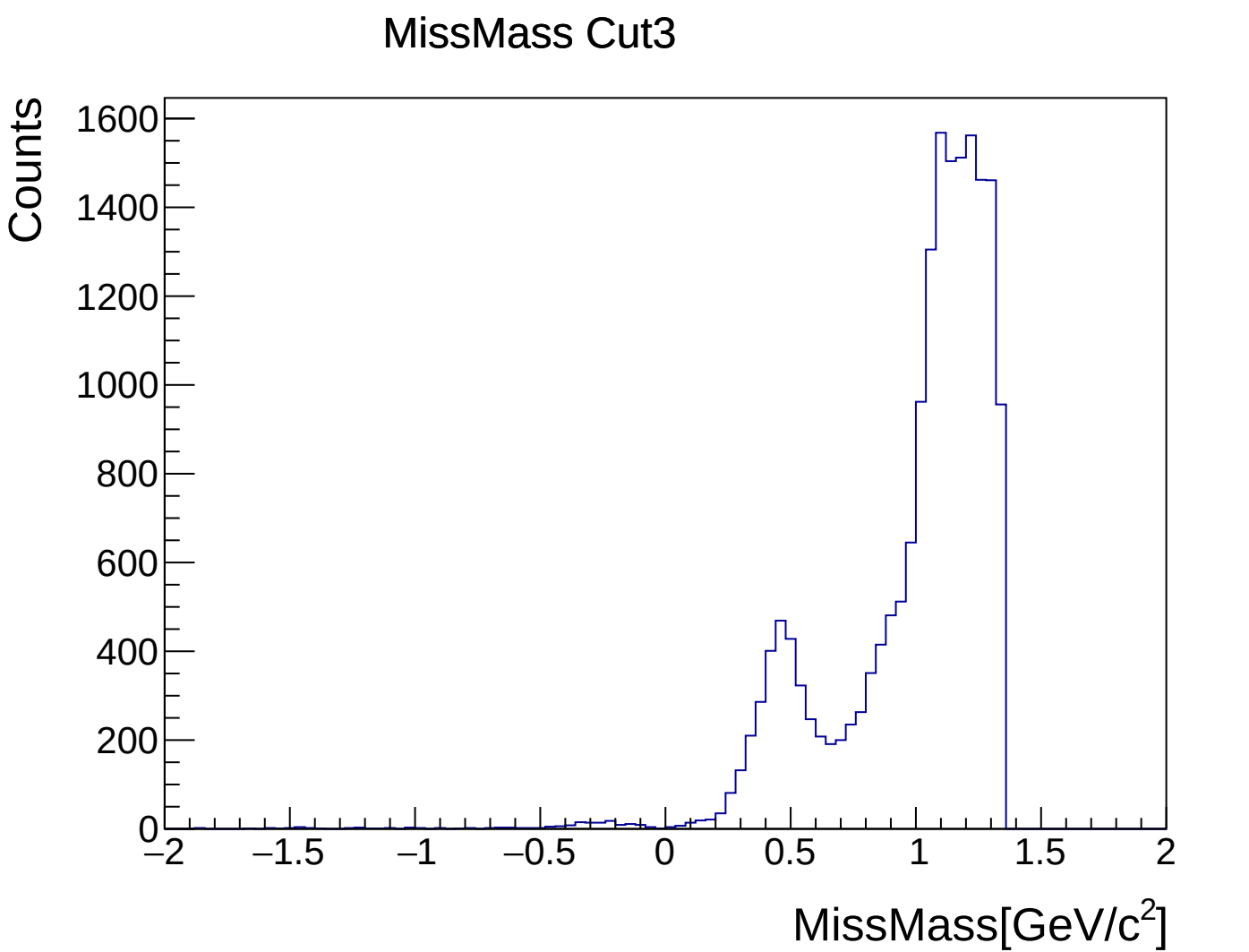
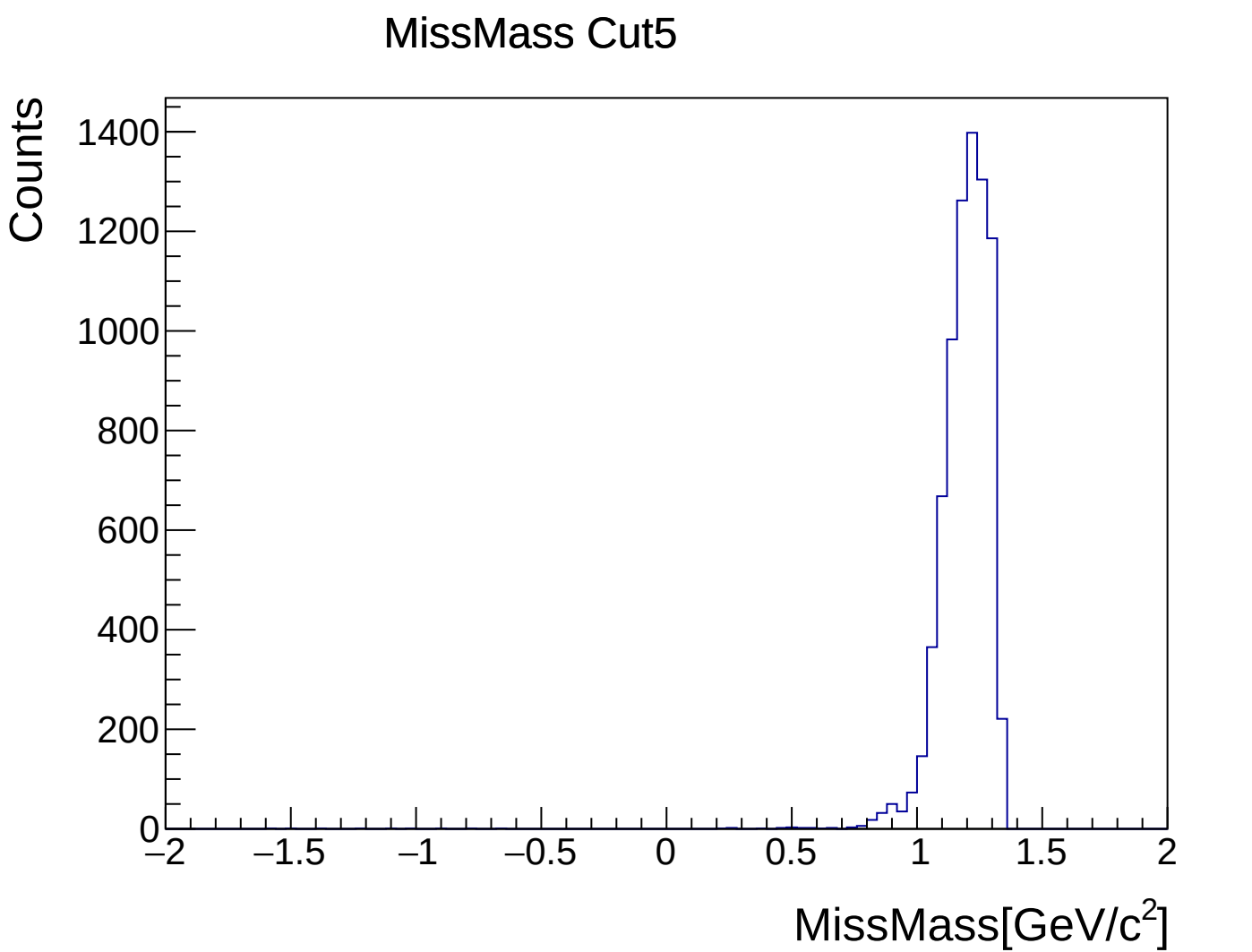
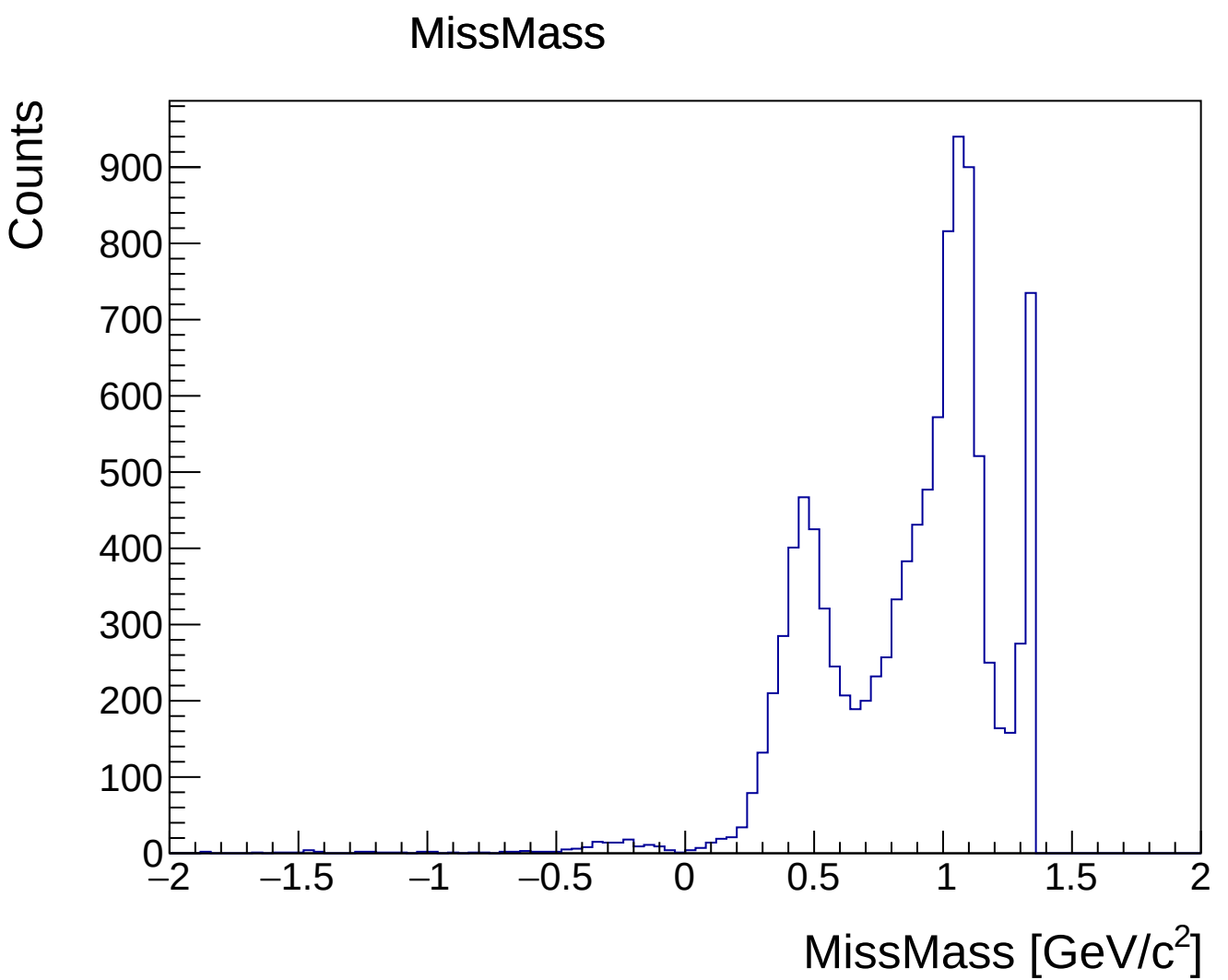

pKurama Cut3
Counts
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Momentum[GeV/c]

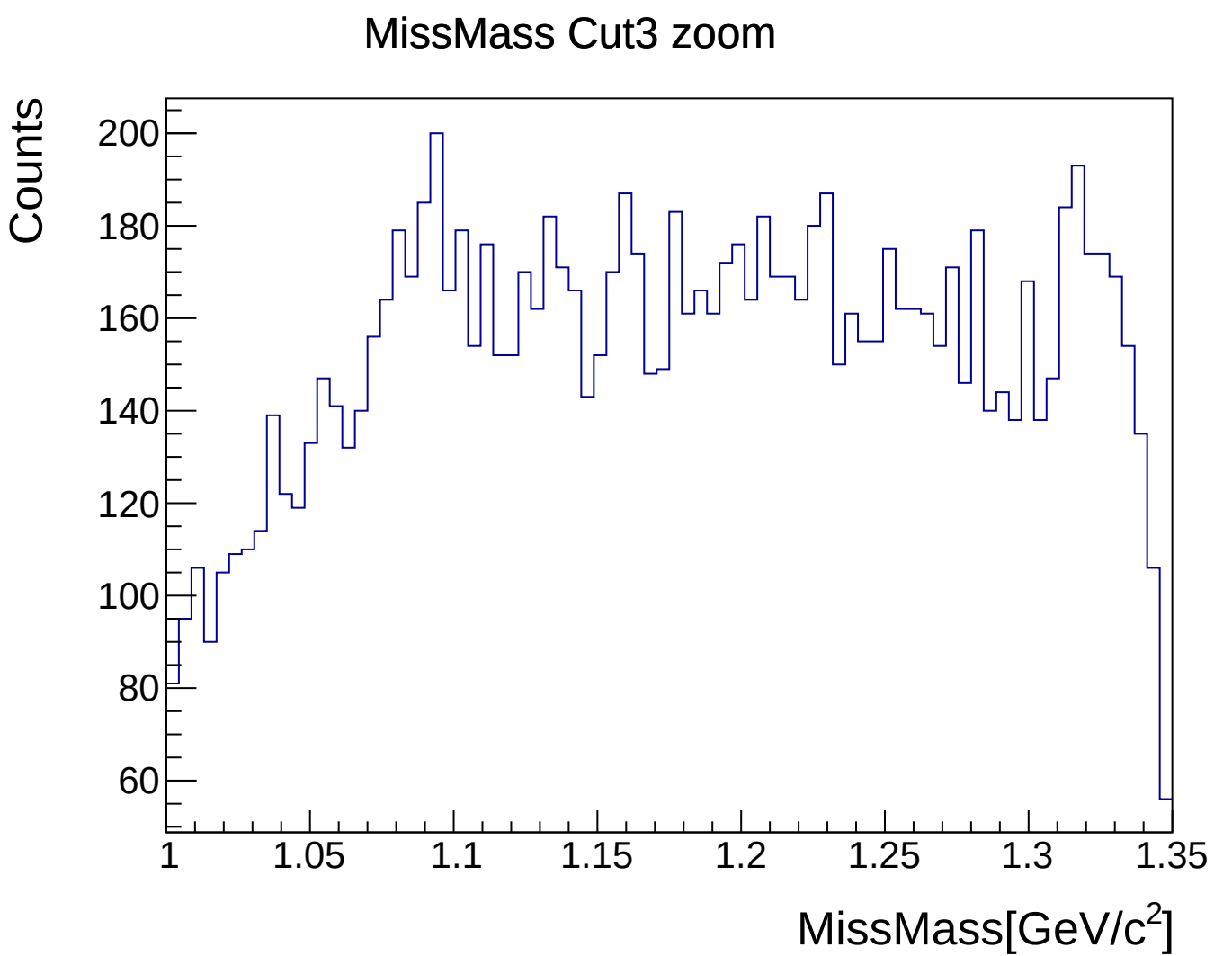

pKurama Cut5
Counts
350
300
250
200
150
100
50
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Momentum[GeV/c]

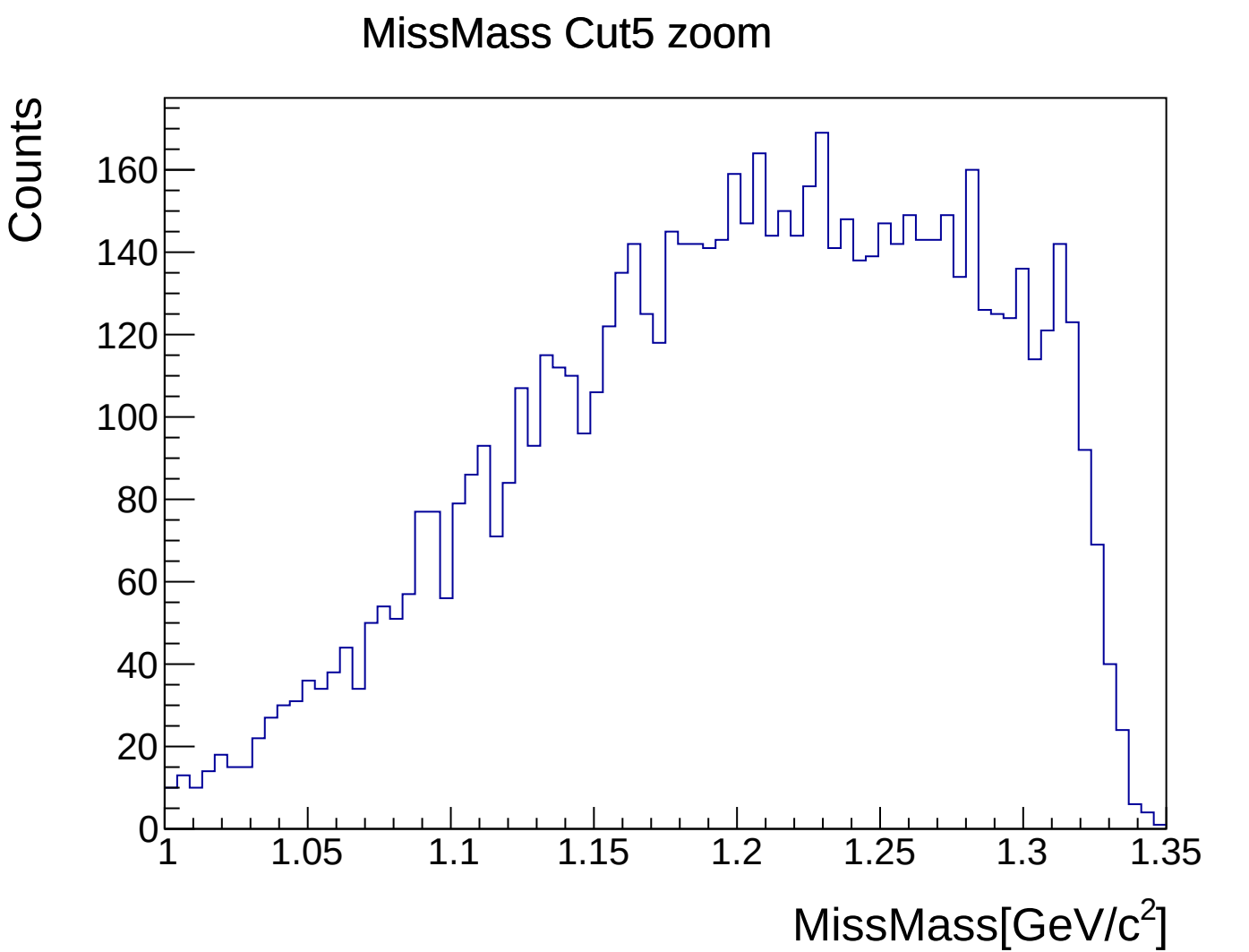

pKurama Cut3 w/oCut5
Counts
0
50
100
150
200
250
300
350
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Momentum[GeV/c]

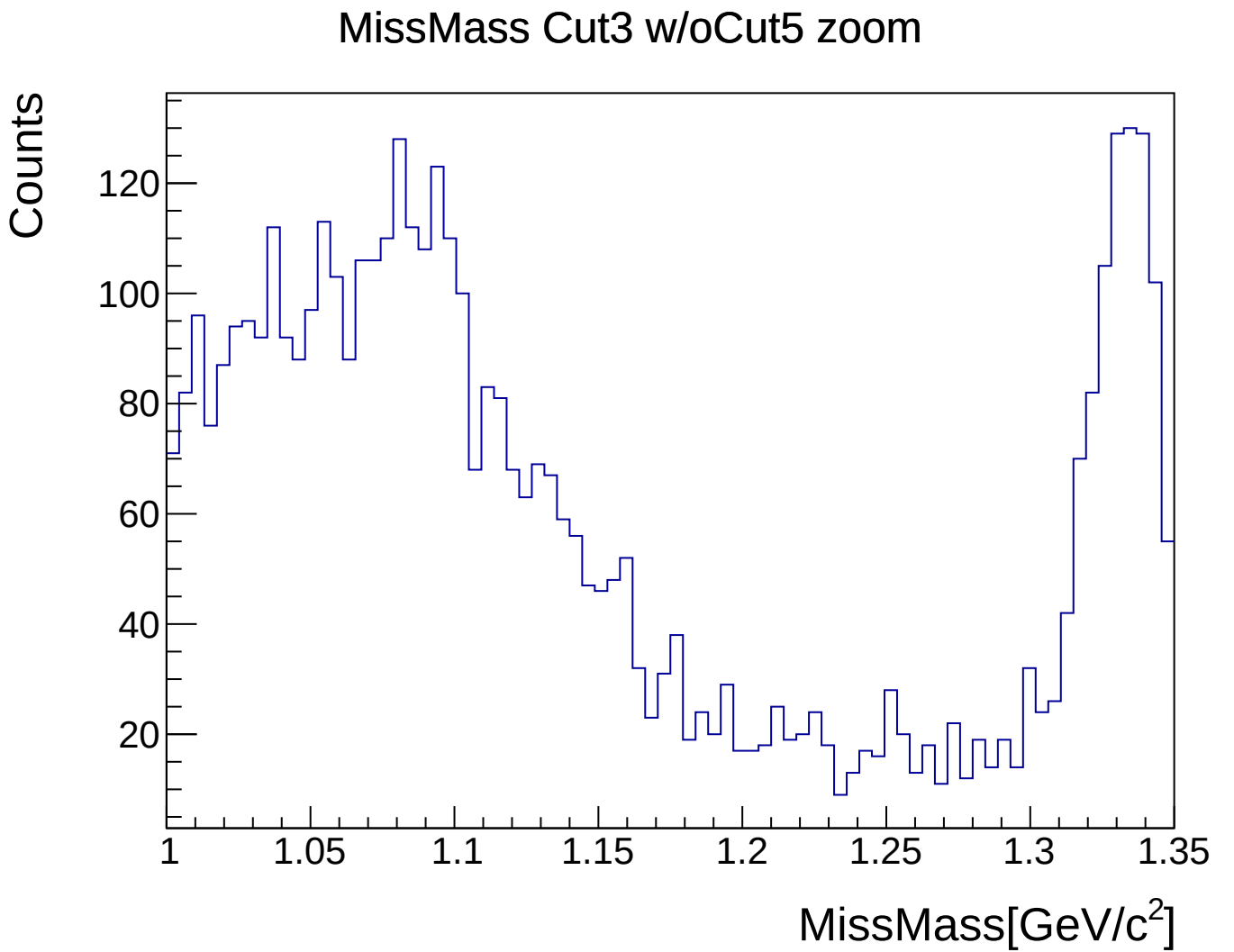

MissMass Cut3
Counts
1600
1400
1200
1000
800
600
400
200
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
MissMass[GeV/c²]

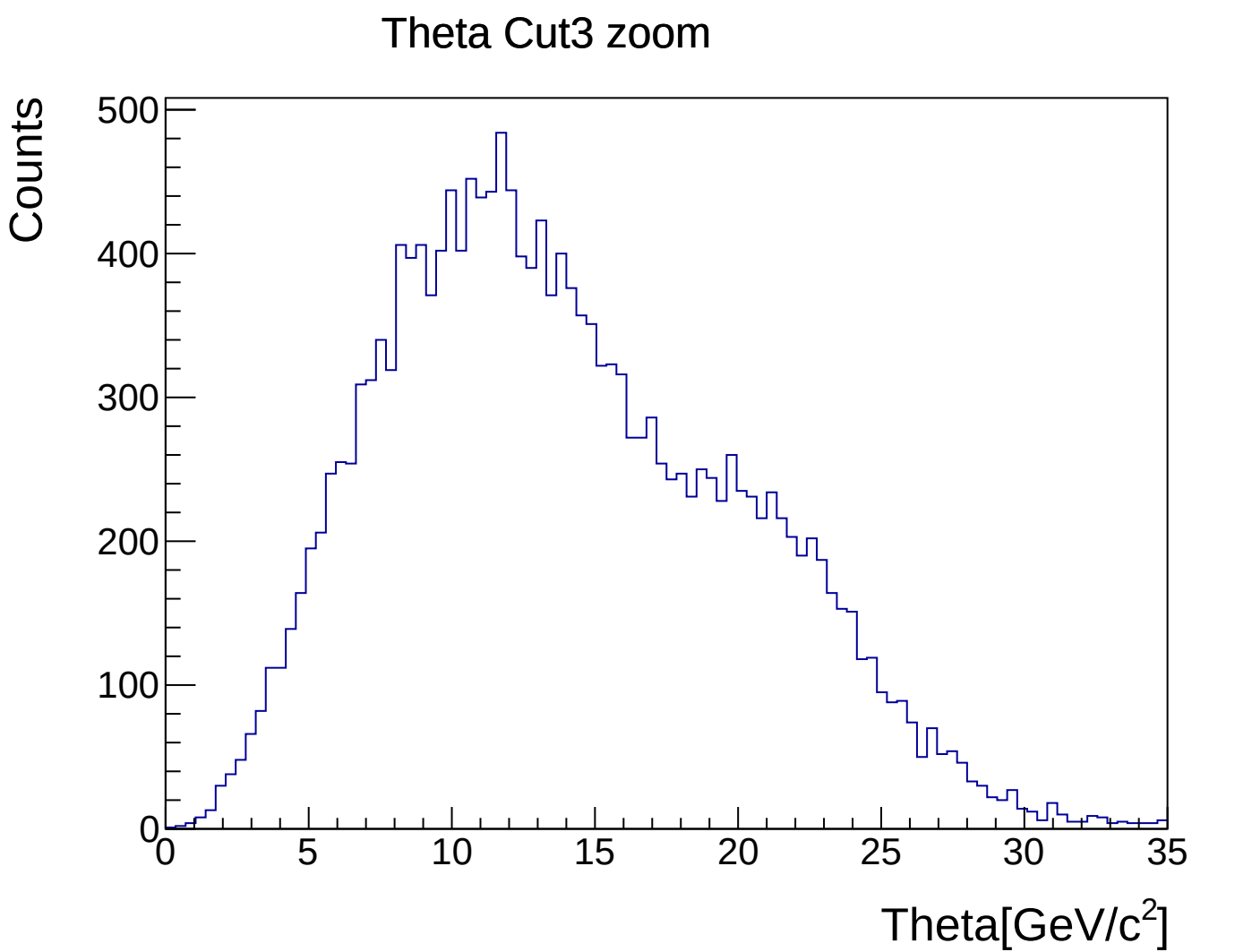

MissMass Cut5
Counts
1400
1200
1000
800
600
400
200
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
MissMass[GeV/c²]

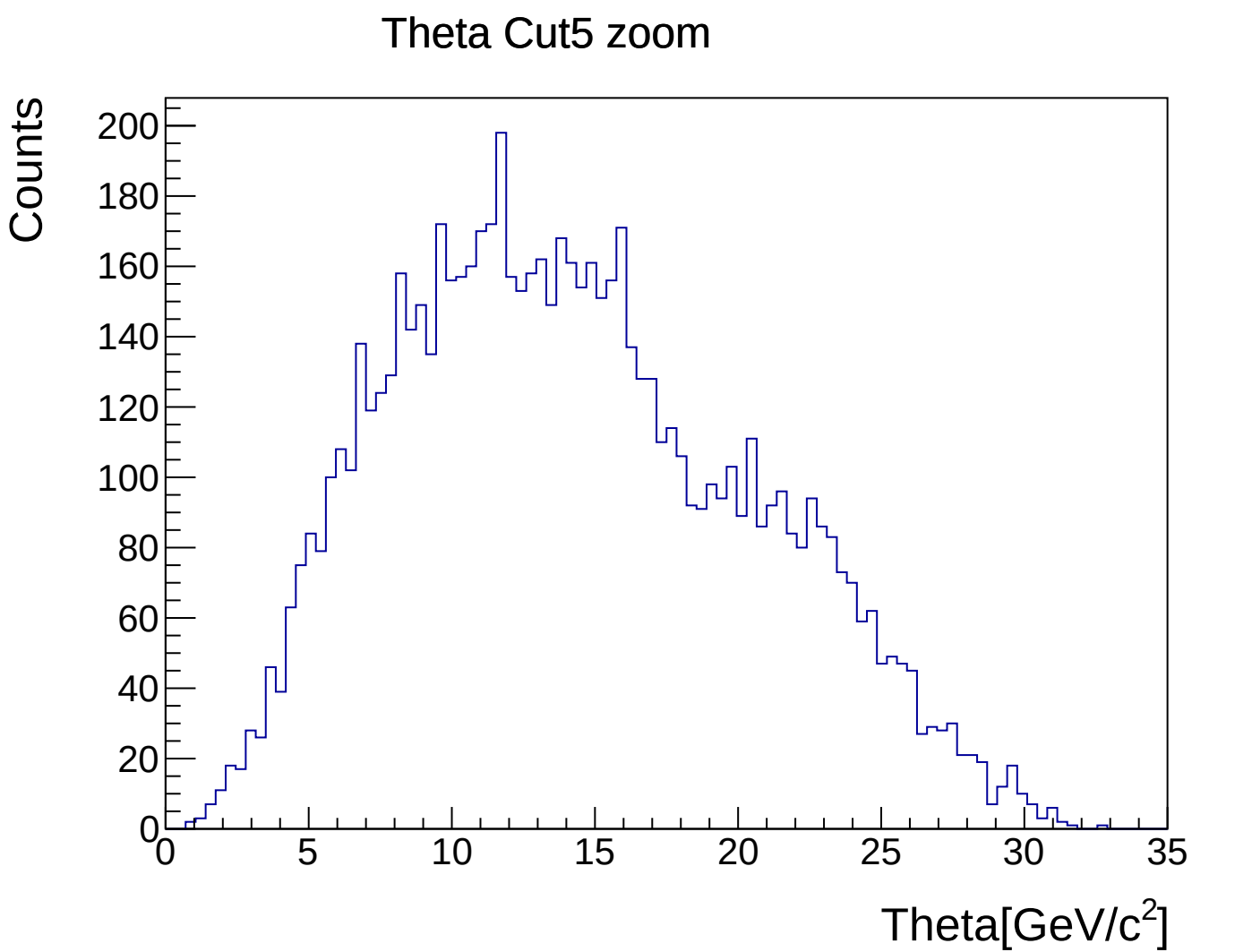

MissMass
Counts
900
800
700
600
500
400
300
200
100
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
MissMass [GeV/c²]

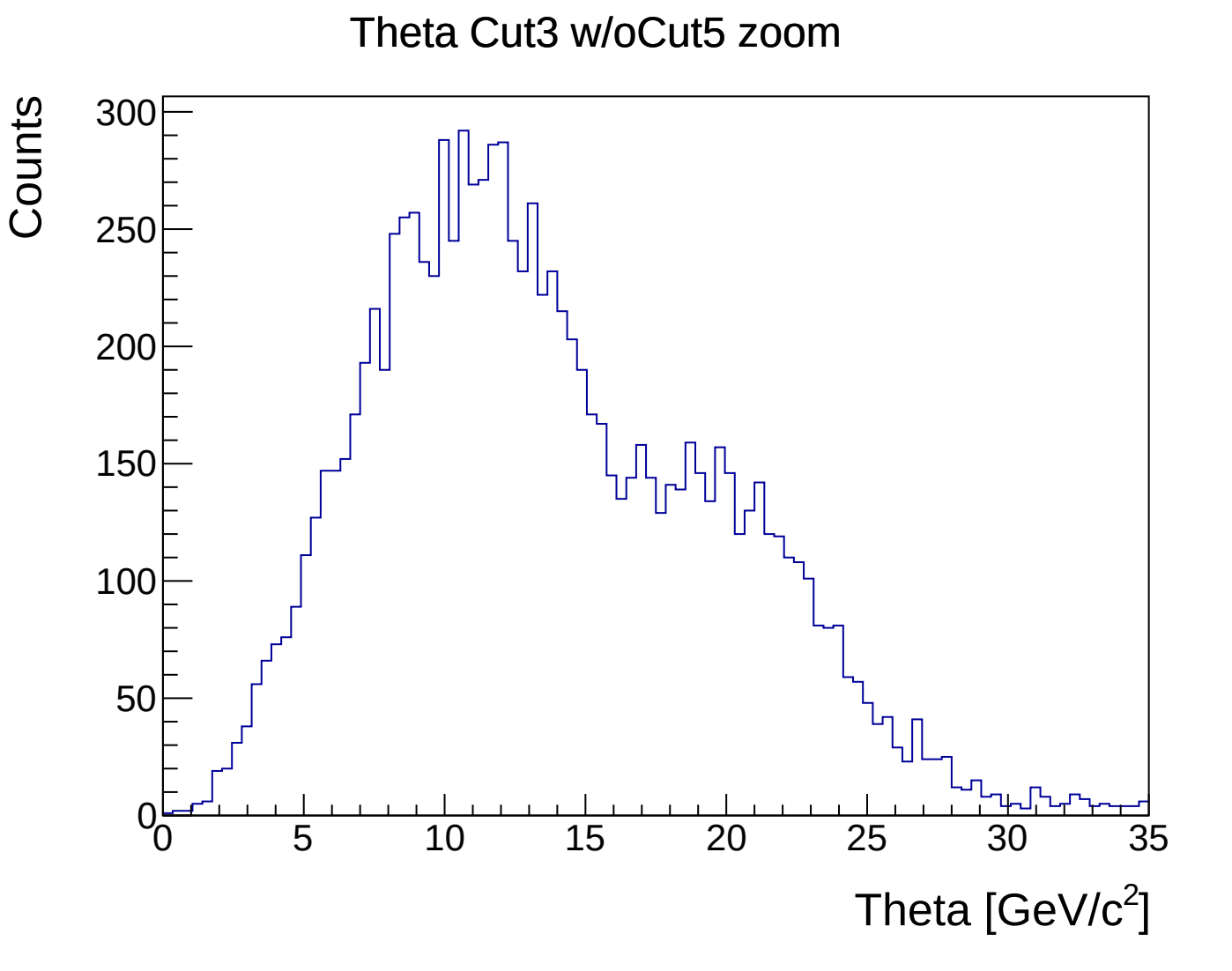

MissMass Cut3 zoom
Counts
200
180
160
140
120
100
80
60
1
1.05
1.1
1.15
1.2
1.25
1.3
1.35
MissMass[GeV/c^2]

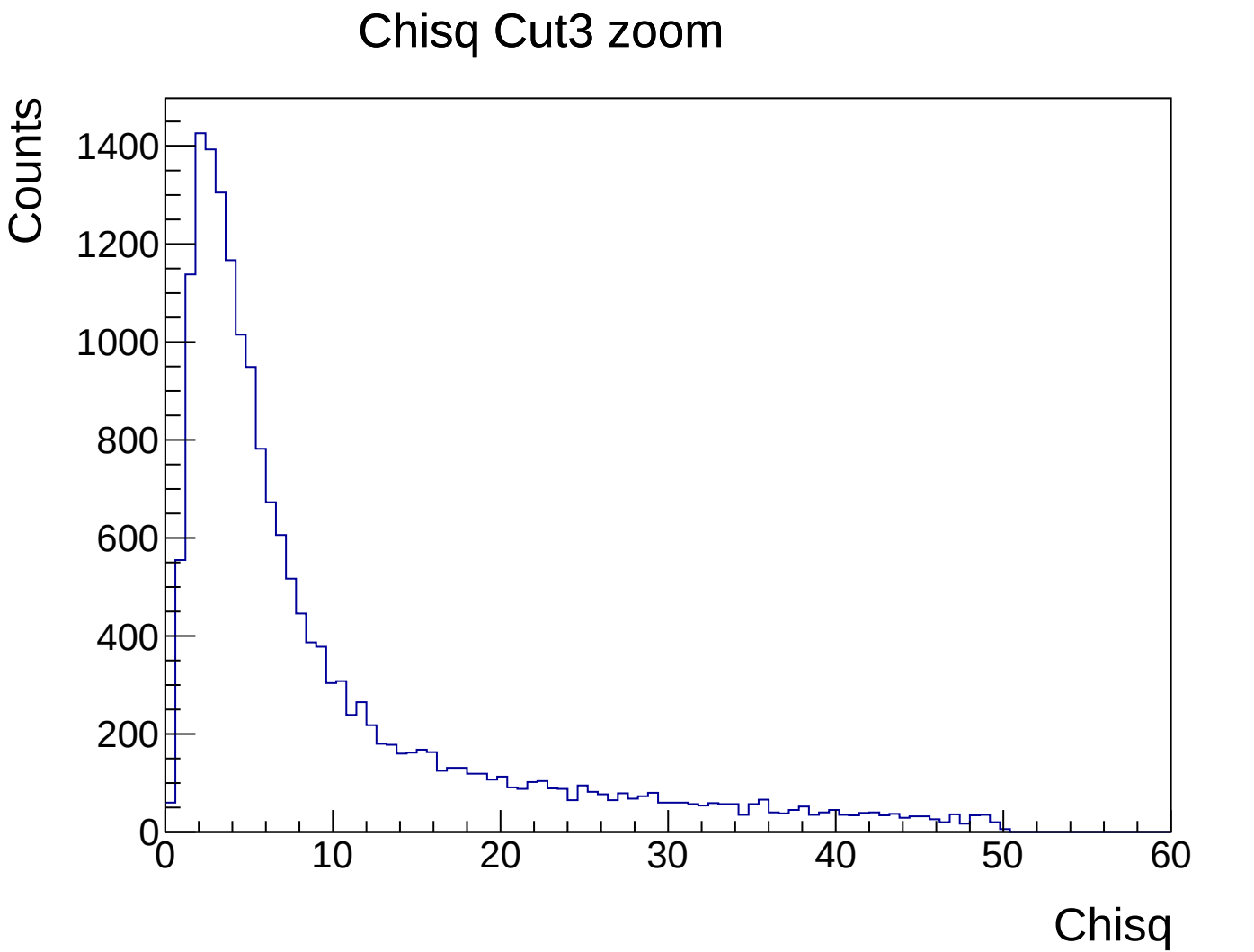

MissMass Cut5 zoom
Counts
0
20
40
60
80
100
120
140
160
1
1.05
1.1
1.15
1.2
1.25
1.3
1.35
MissMass[GeV/c²]

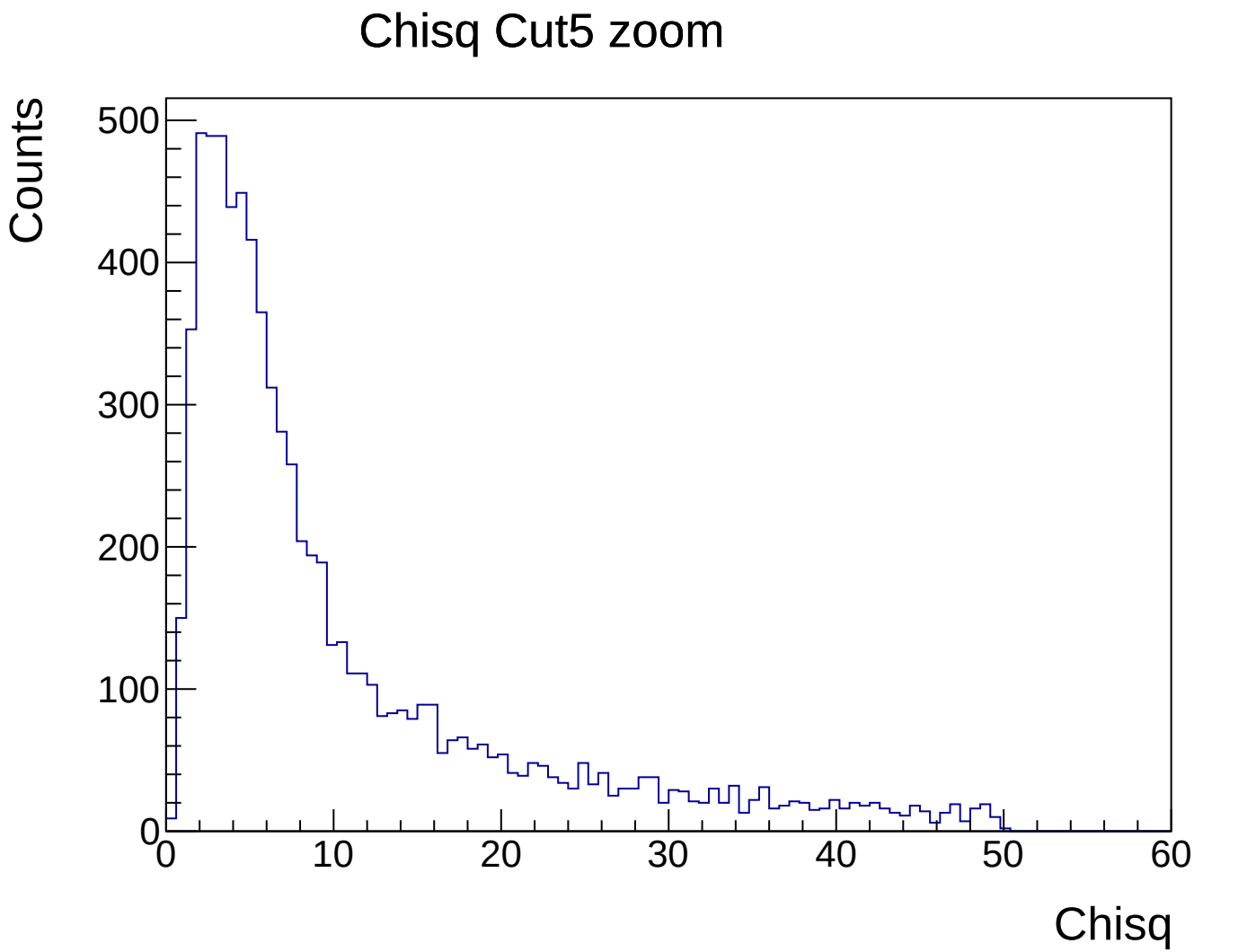

MissMass Cut3 w/oCut5 zoom
Counts
120
100
80
60
40
20
1
1.05
1.1
1.15
1.2
1.25
1.3
1.35
MissMass[GeV/c^2]

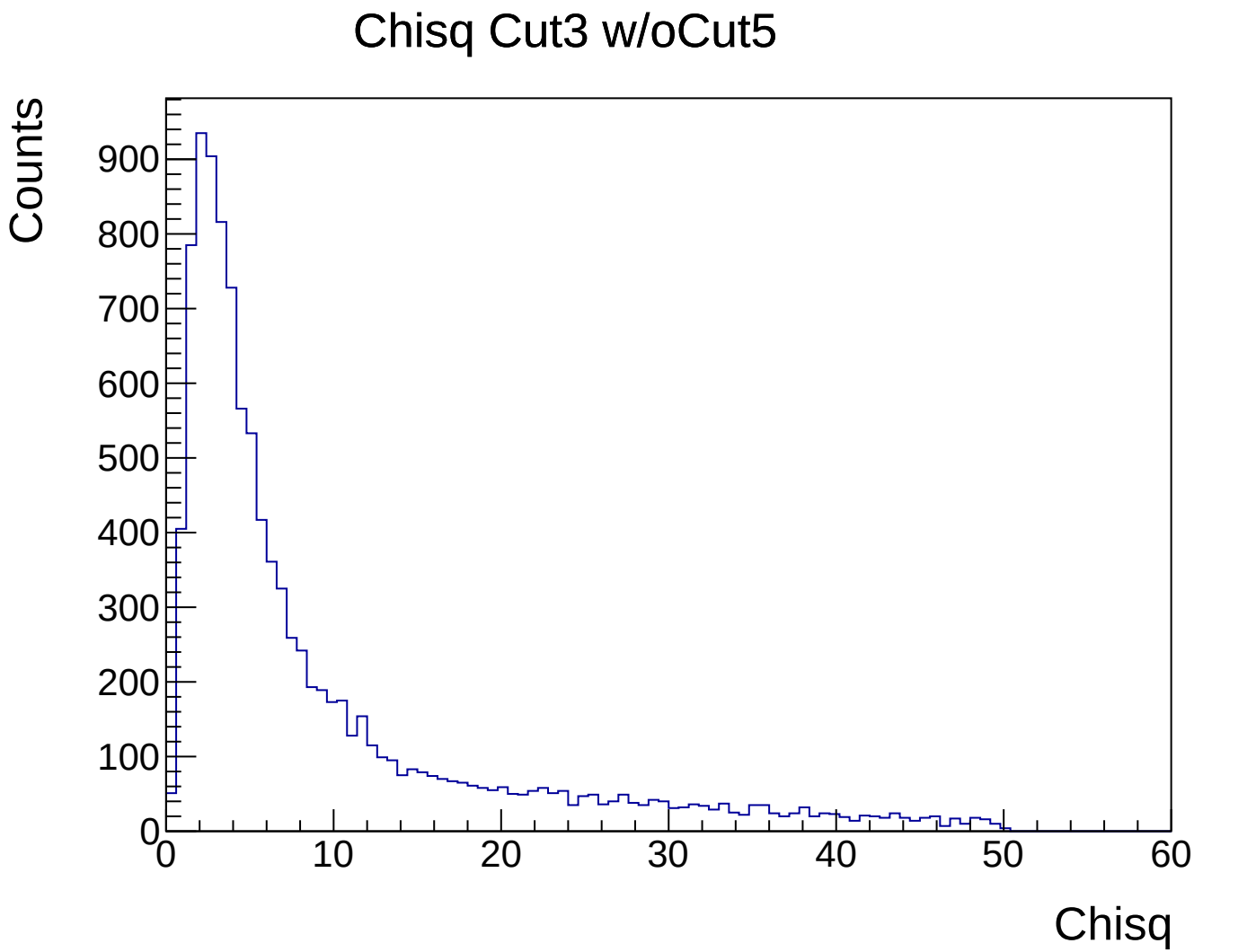

Theta Cut3 zoom
Counts
500
400
300
200
100
0
0
5
10
15
20
25
30
35
Theta[GeV/c^2]

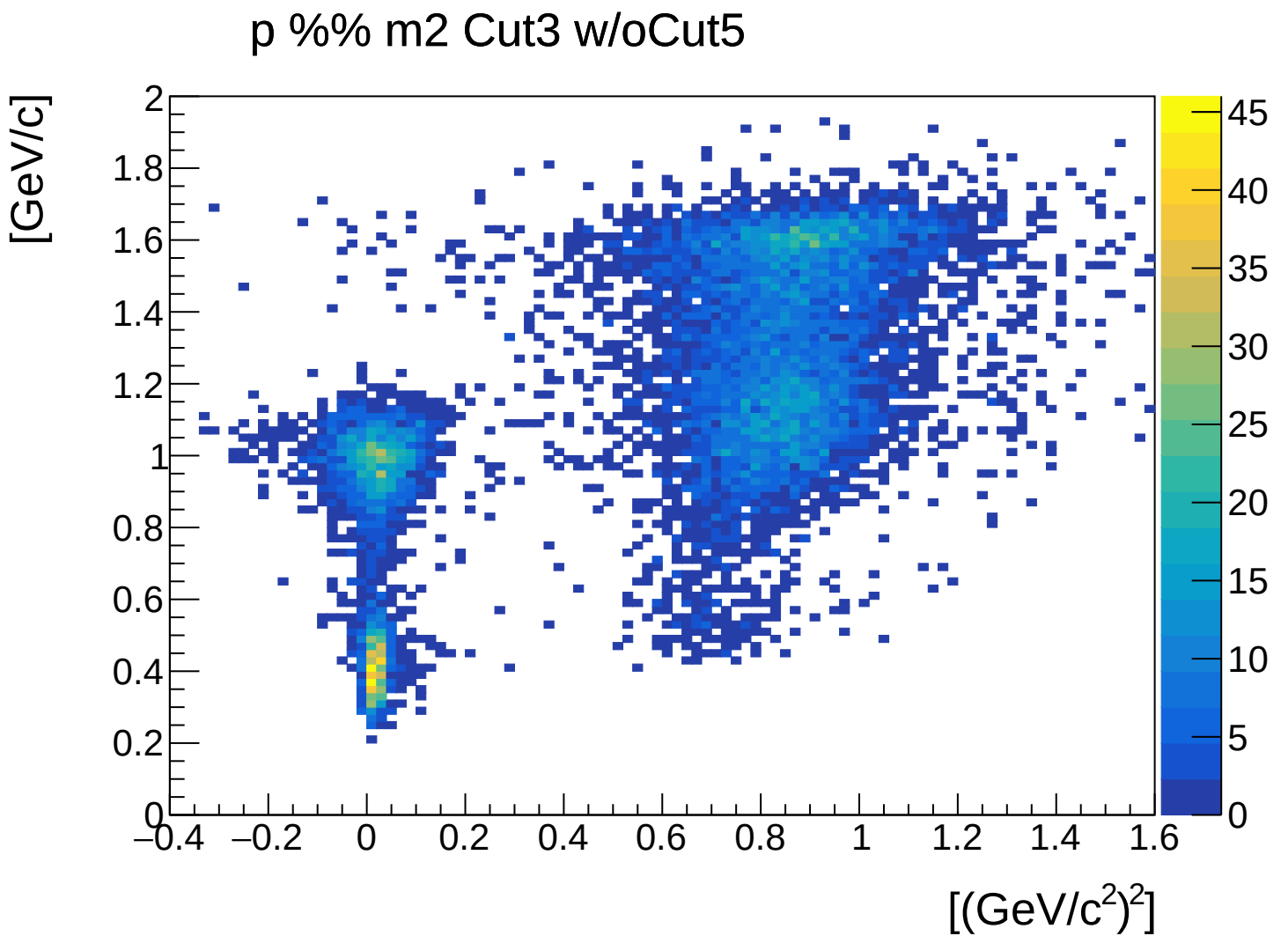

Theta Cut5 zoom
Counts
200
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Theta[GeV/c^2]

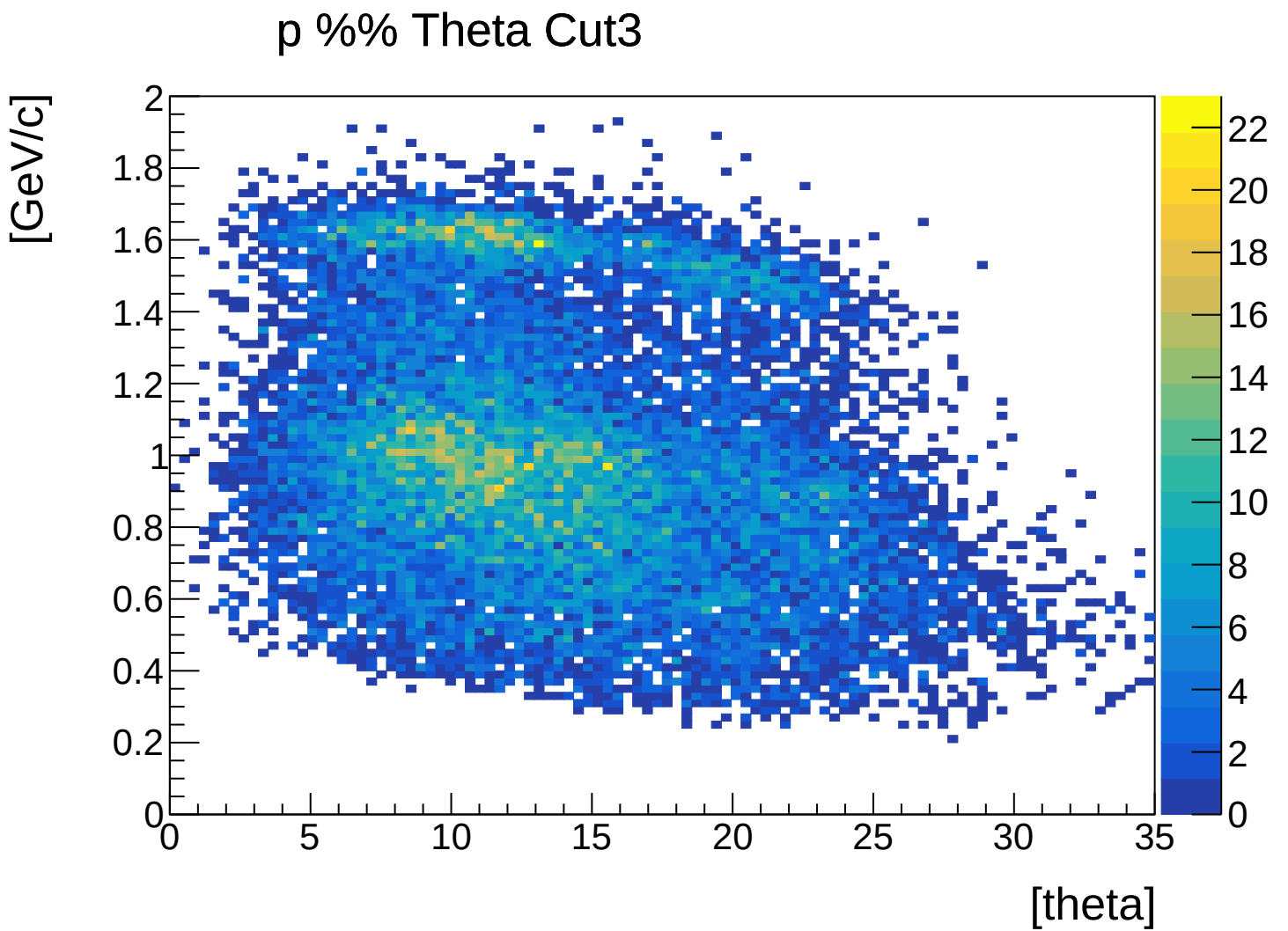

Theta Cut3 w/oCut5 zoom
Counts
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
Theta [GeV/c^2]

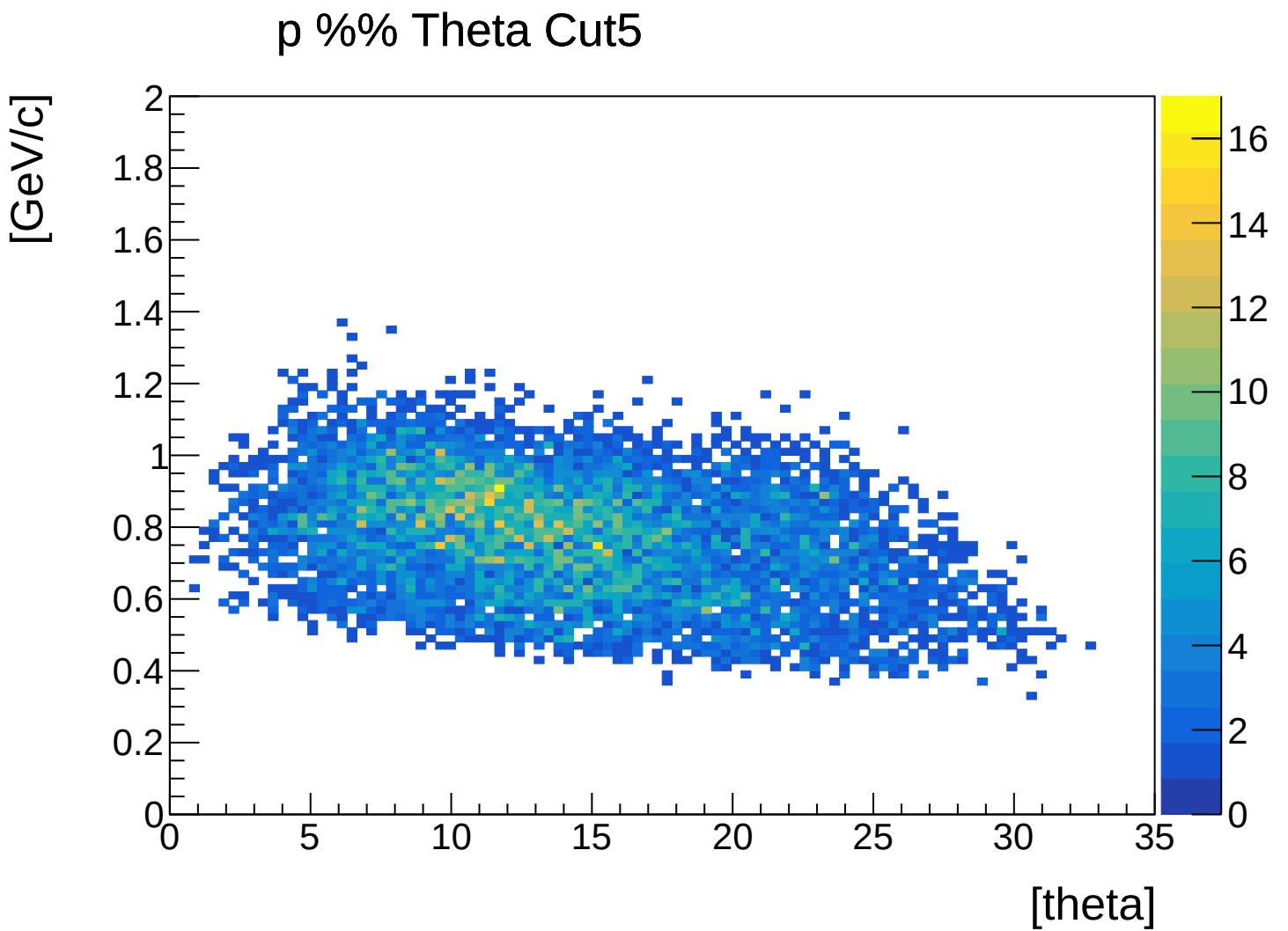

Chisq Cut3 zoom
Counts
1400
1200
1000
800
600
400
200
0
0
10
20
30
40
50
60
Chisq

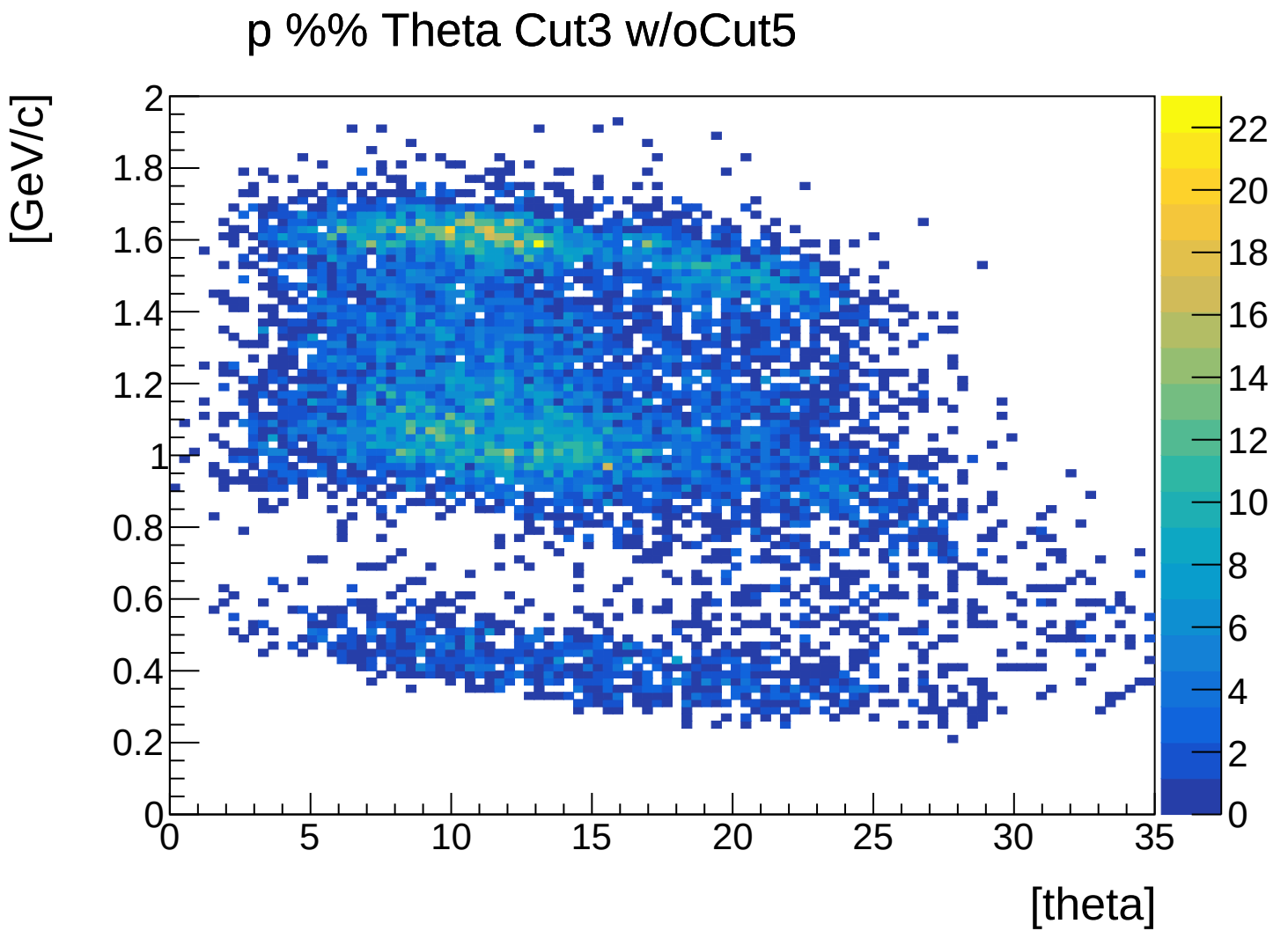

Chisq Cut5 zoom
Counts
500
400
300
200
100
0
0
10
20
30
40
50
60
Chisq

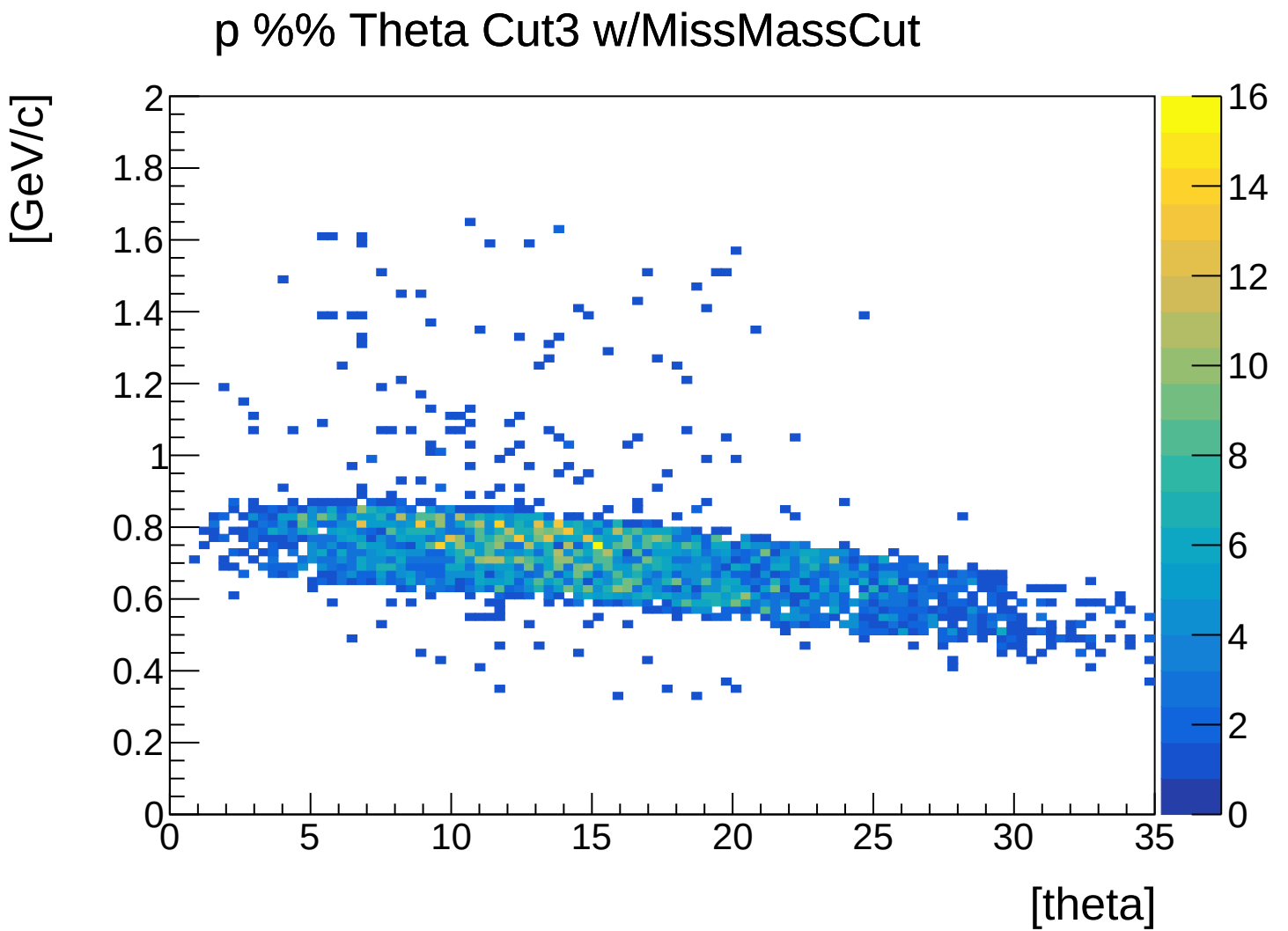

Chisq Cut3 w/oCut5
Counts
900
800
700
600
500
400
300
200
100
0
0
10
20
30
40
50
60
Chisq

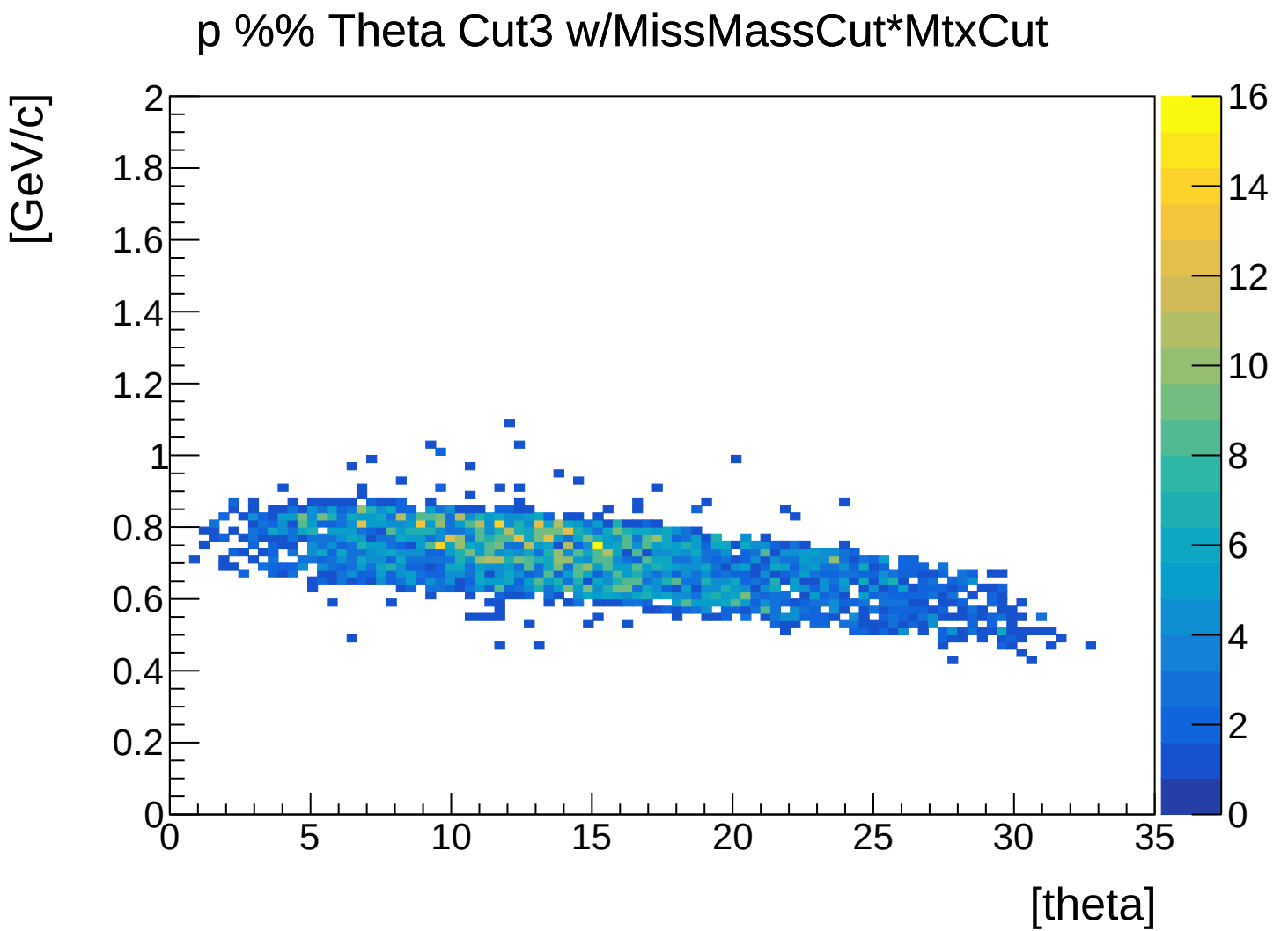

p %% m2 Cut3 w/oCut5
[GeV/c]
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
–0.4
–0.2
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
[(GeV/c²)²]
45
40
35
30
25
20
15
10
5
0

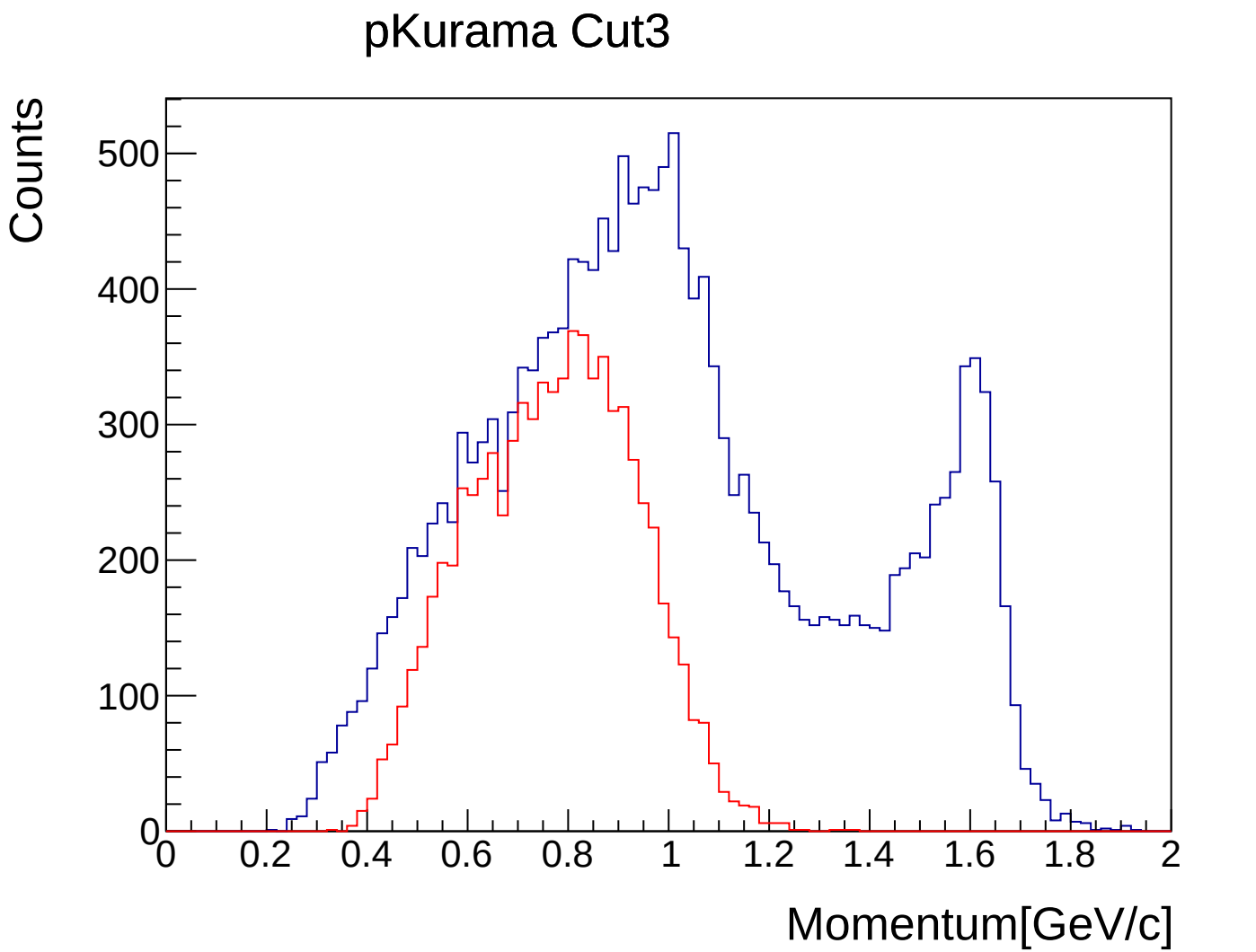

p %% Theta Cut3
[GeV/c]
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
25
30
35
[theta]
22
20
18
16
14
12
10
8
6
4
2
0

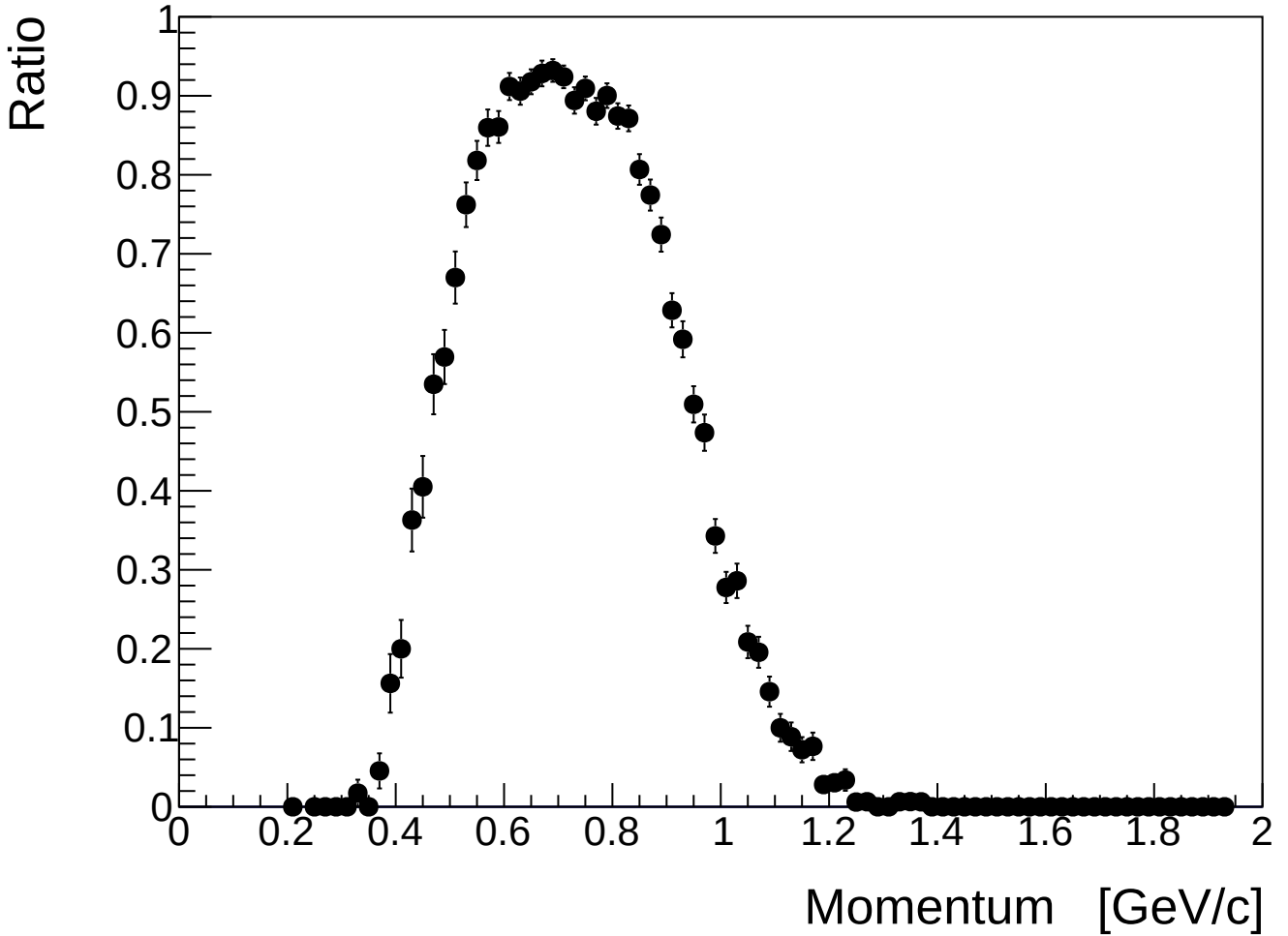

p %% Theta Cut5
[GeV/c]
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
25
30
35
[theta]
16
14
12
10
8
6
4
2
0

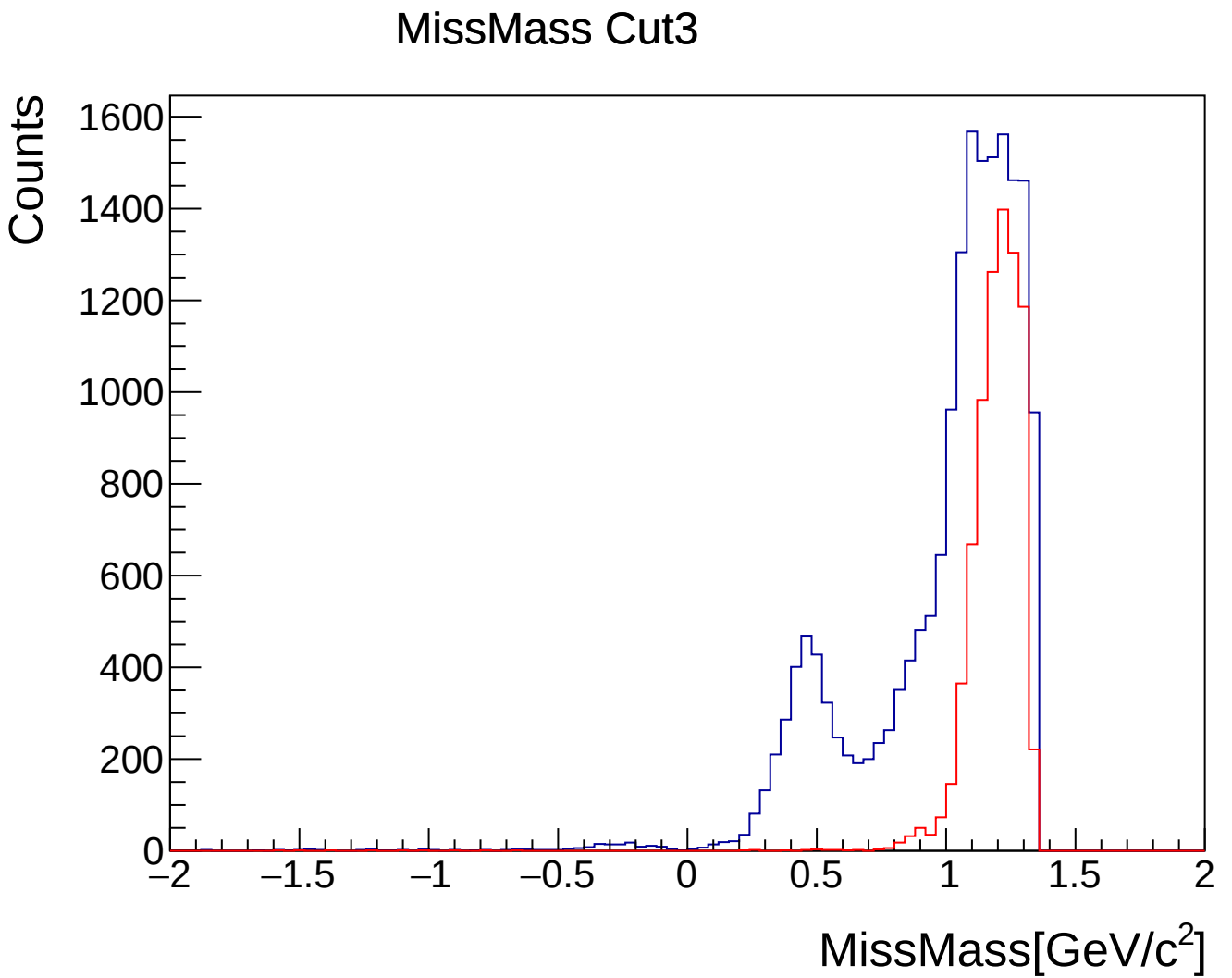

p %% Theta Cut3 w/oCut5
[GeV/c]
[theta]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12
14
16
18
20
22

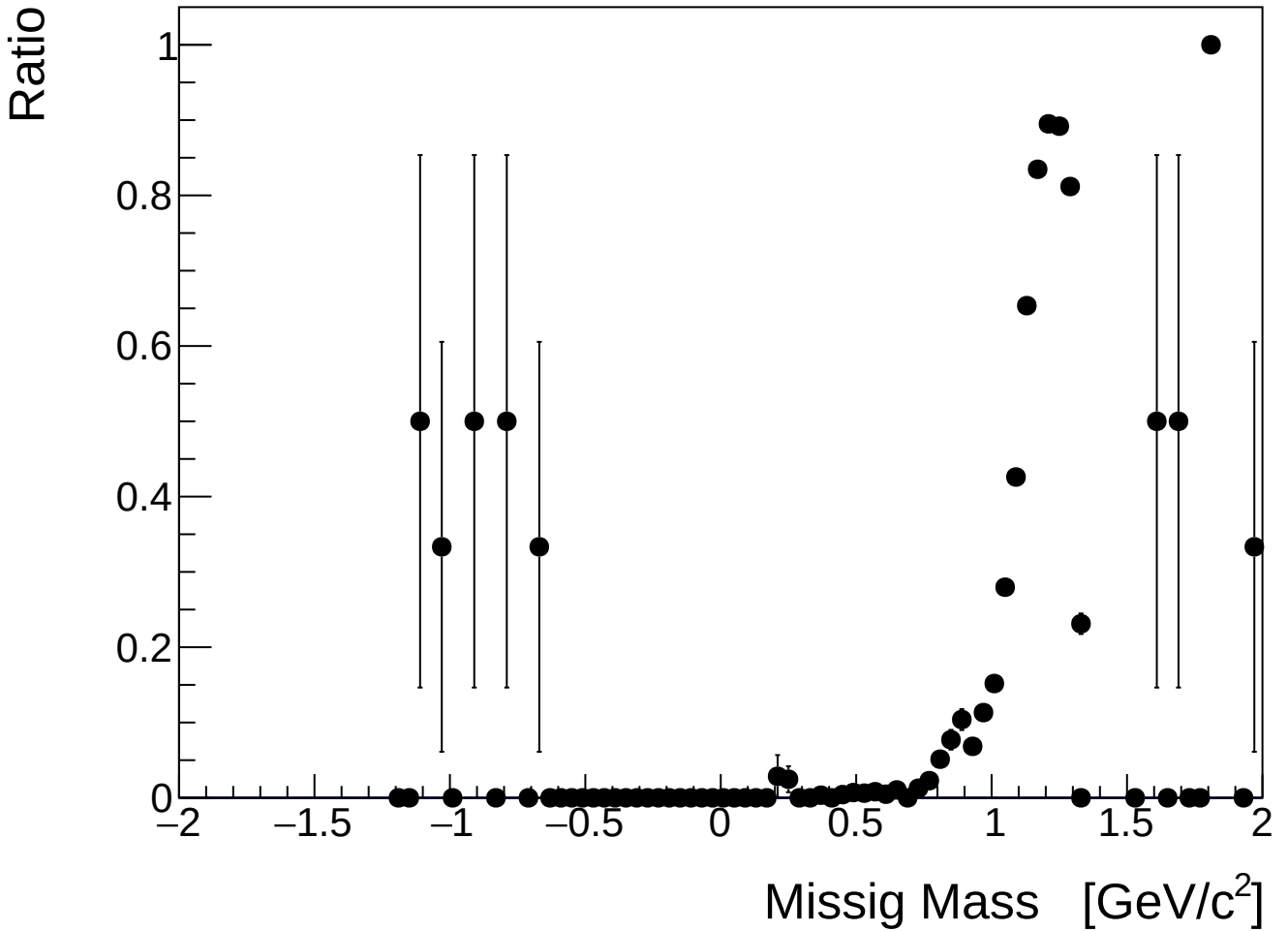

p %% Theta Cut3 w/MissMassCut
[GeV/c]
[theta]
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12
14
16

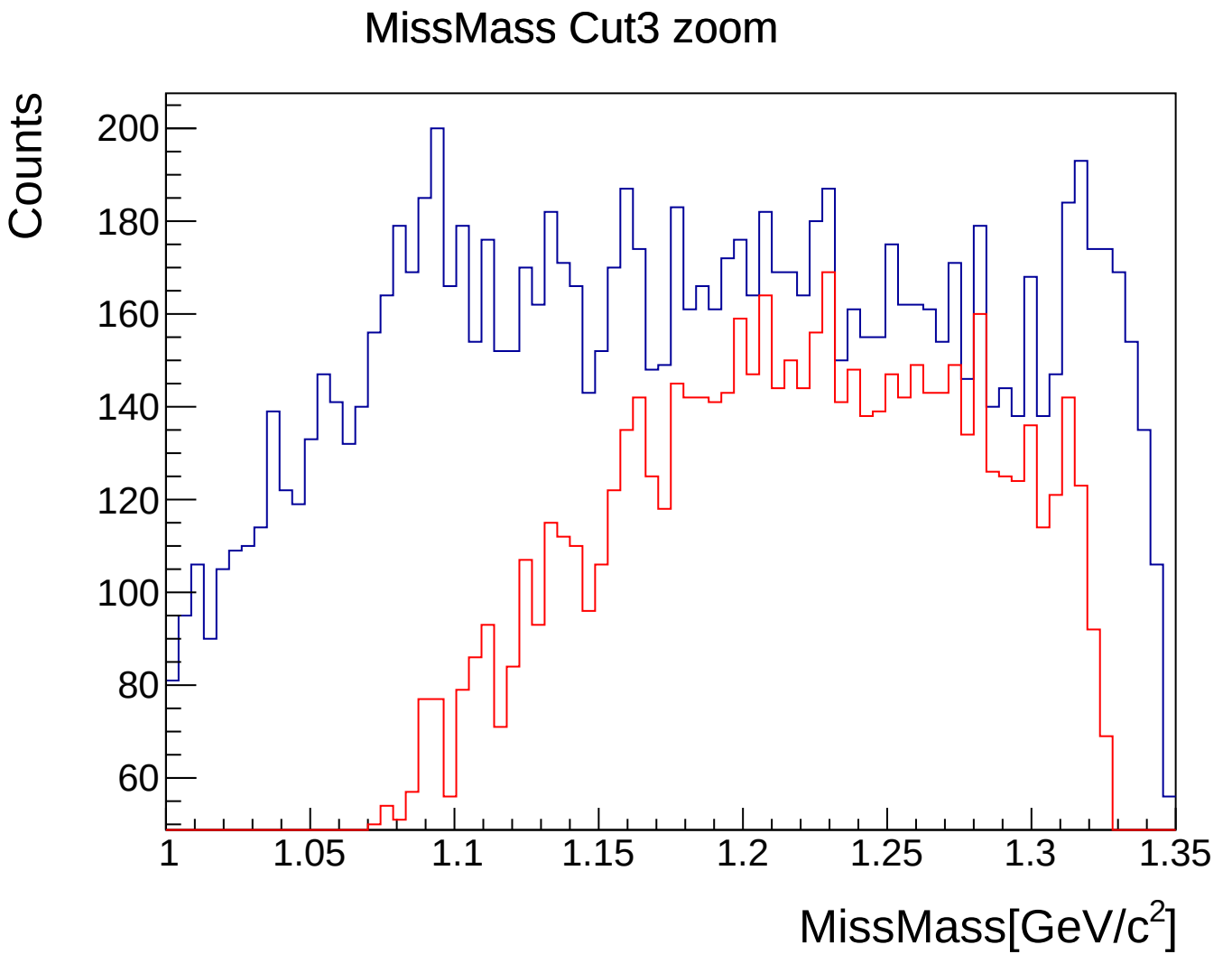

p %% Theta Cut3 w/MissMassCut*MtxCut
[GeV/c]
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
25
30
35
[theta]
16
14
12
10
8
6
4
2
0

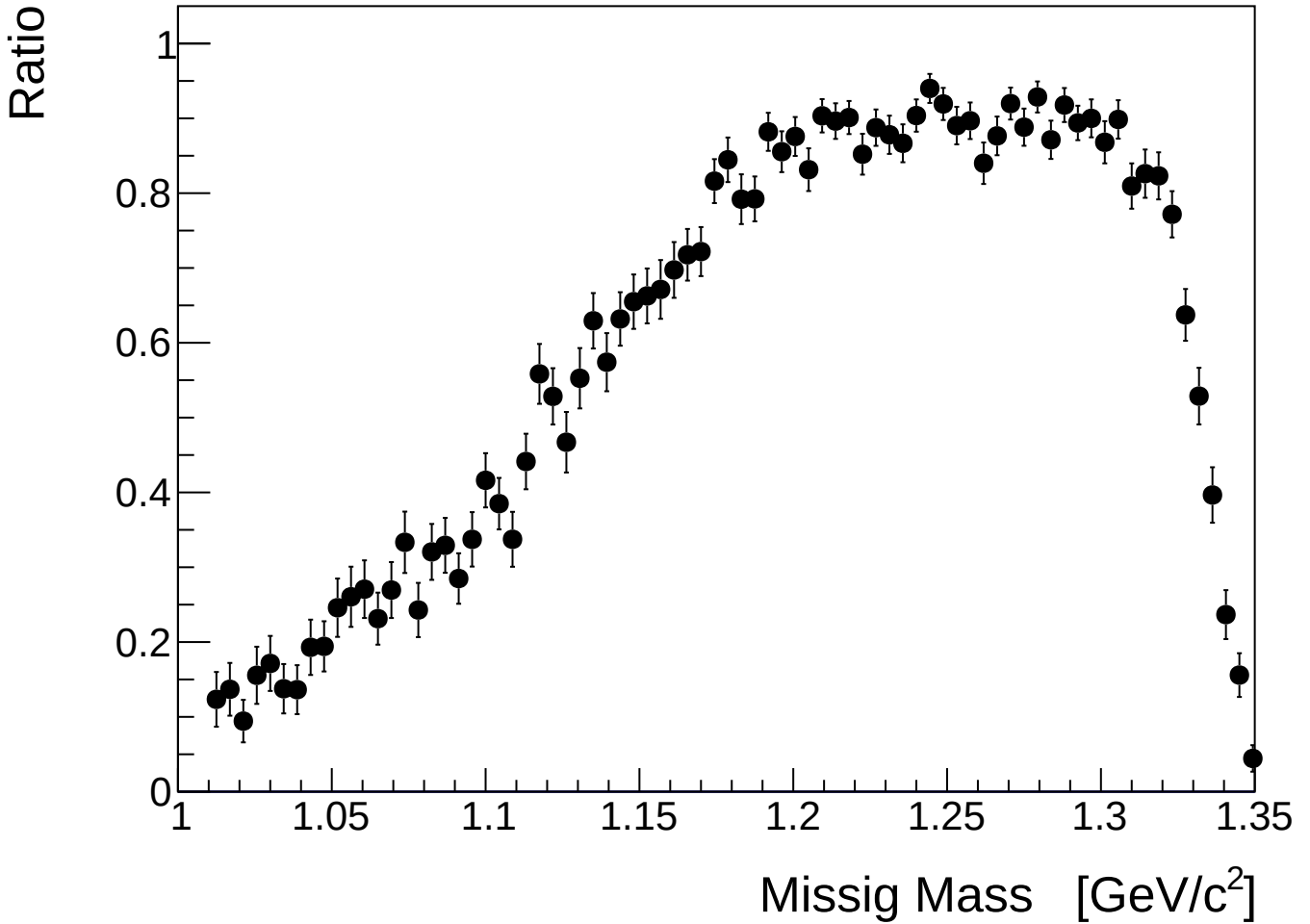

pKurama Cut3
Counts
500
400
300
200
100
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Momentum[GeV/c]


Ratio
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Momentum [GeV/c]


MissMass Cut3
Counts
1600
1400
1200
1000
800
600
400
200
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
MissMass[GeV/c²]


Ratio
1
0.8
0.6
0.4
0.2
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
2
Missig Mass [GeV/c²]


MissMass Cut3 zoom
Counts
200
180
160
140
120
100
80
60
1
1.05
1.1
1.15
1.2
1.25
1.3
1.35
MissMass[GeV/c²]


Ratio
1
0.8
0.6
0.4
0.2
0
1
1.05
1.1
1.15
1.2
1.25
1.3
1.35
Missig Mass [GeV/c^2]