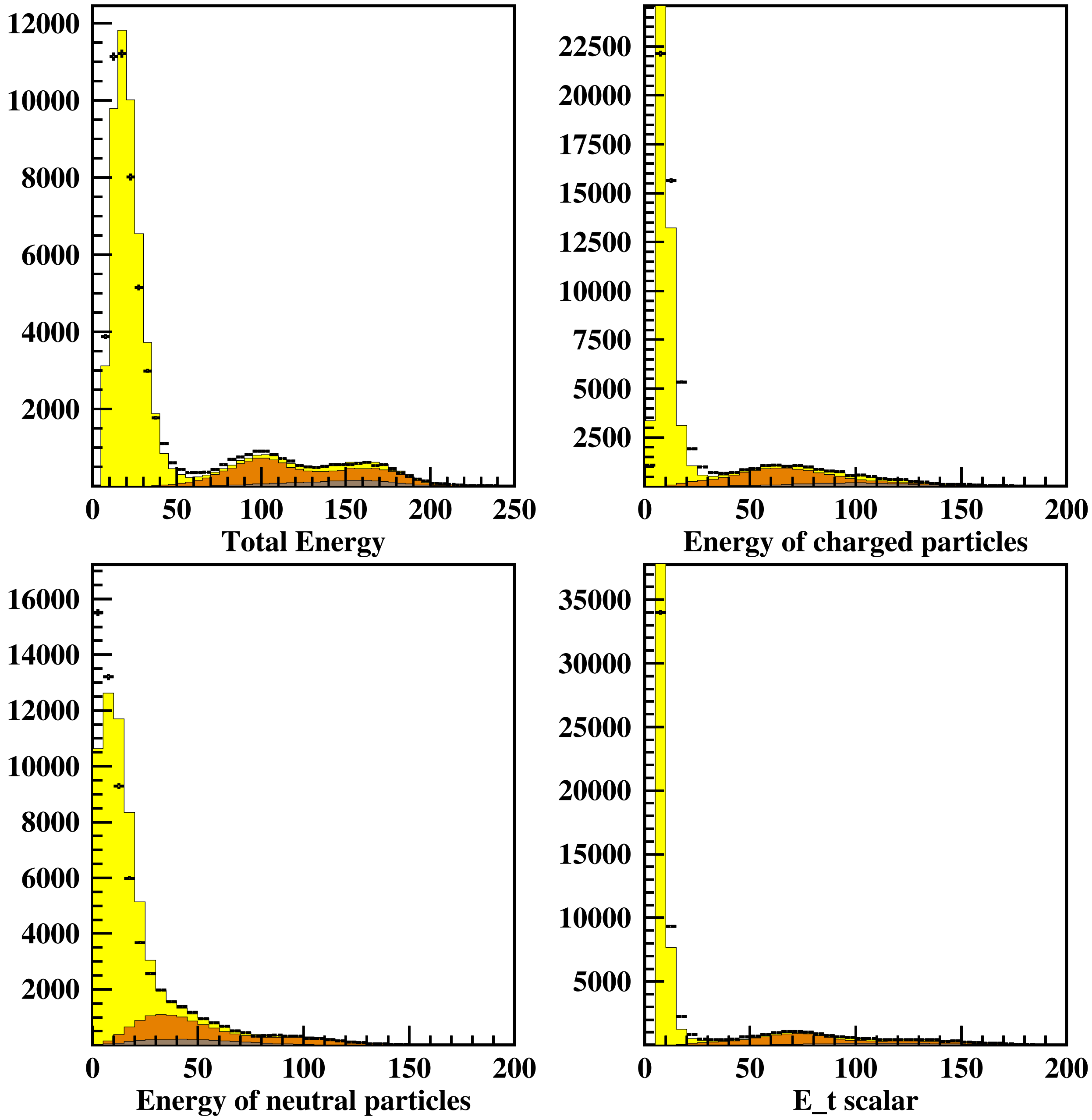
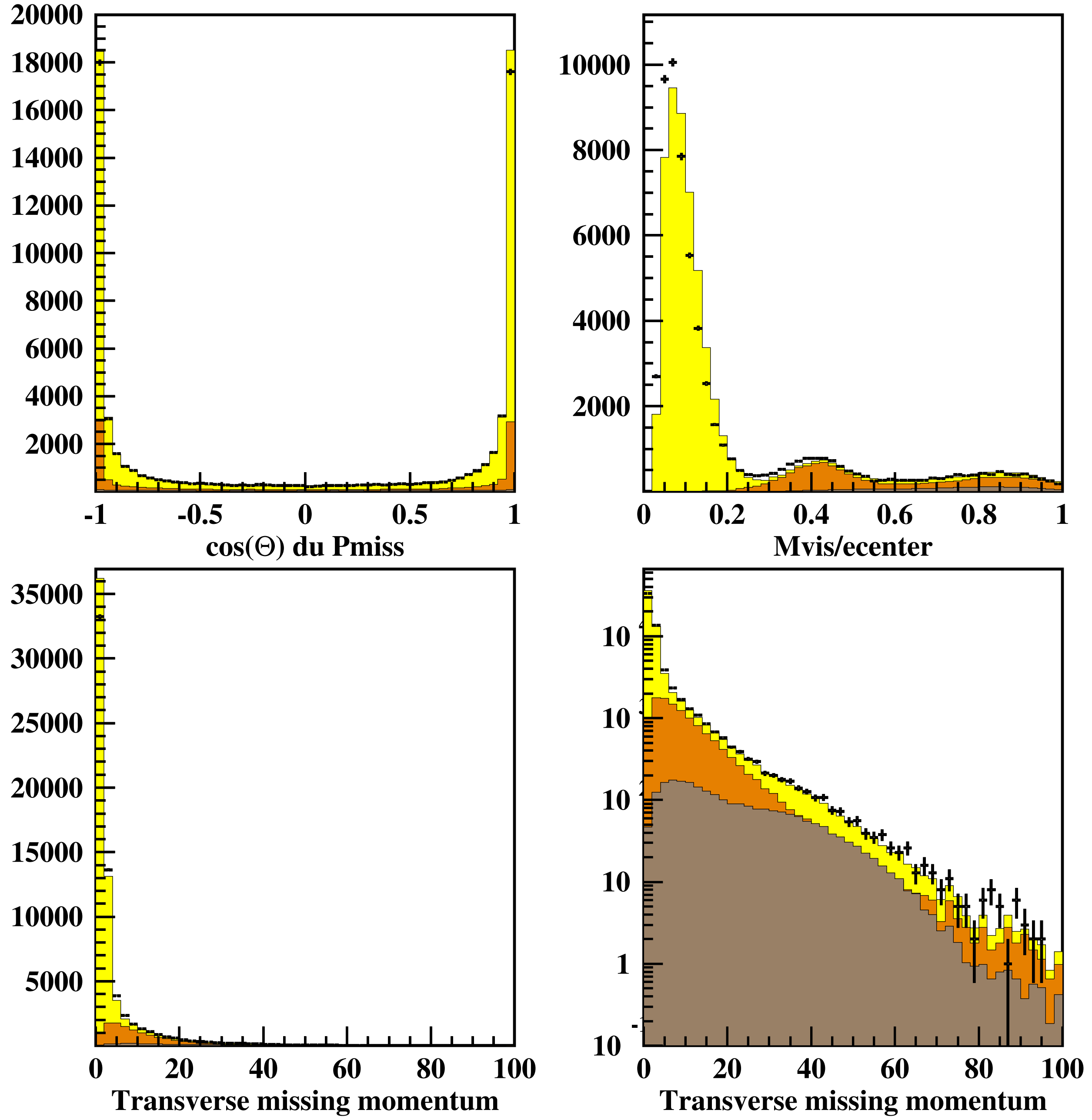
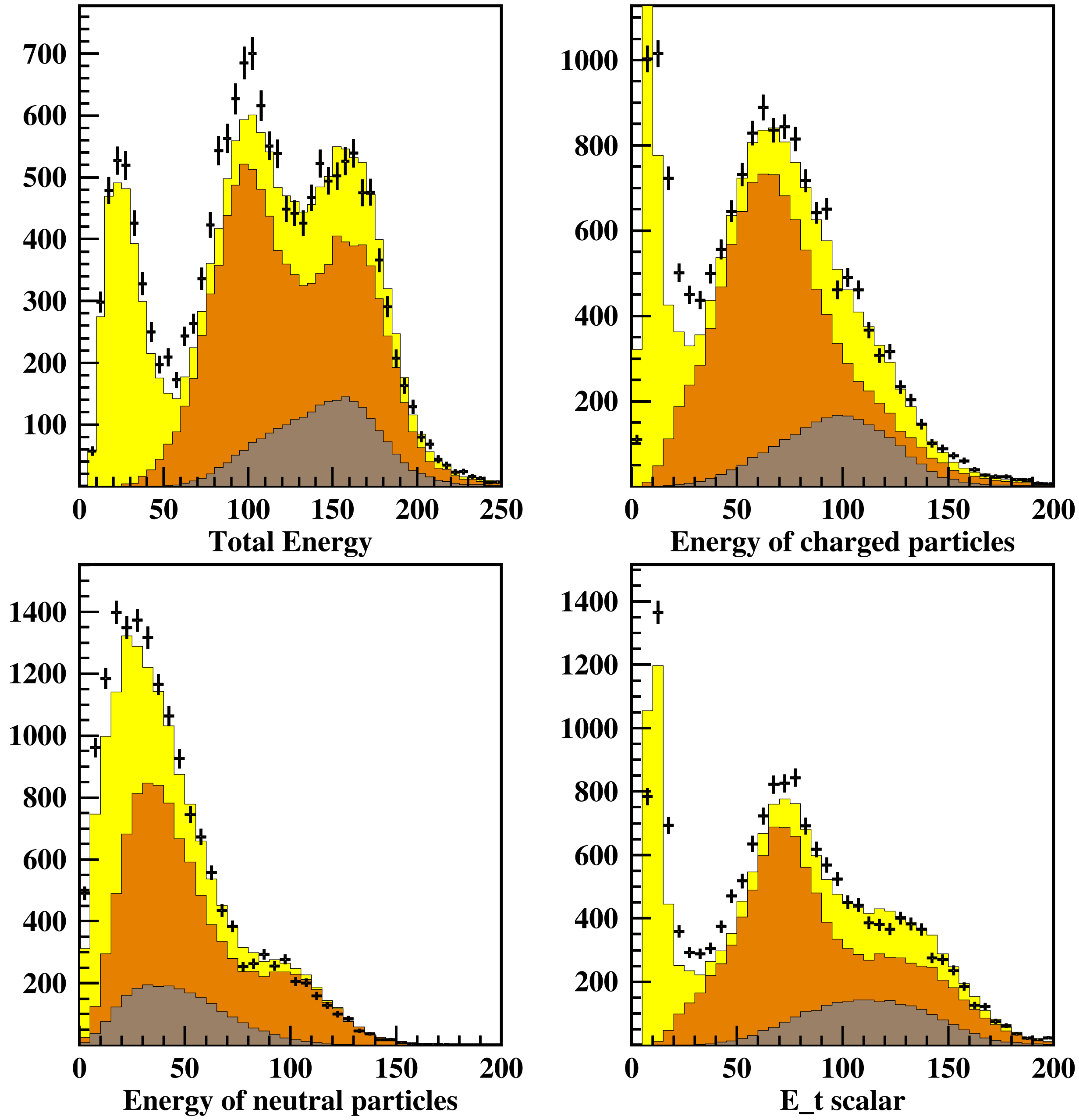
Preselection



Preselection

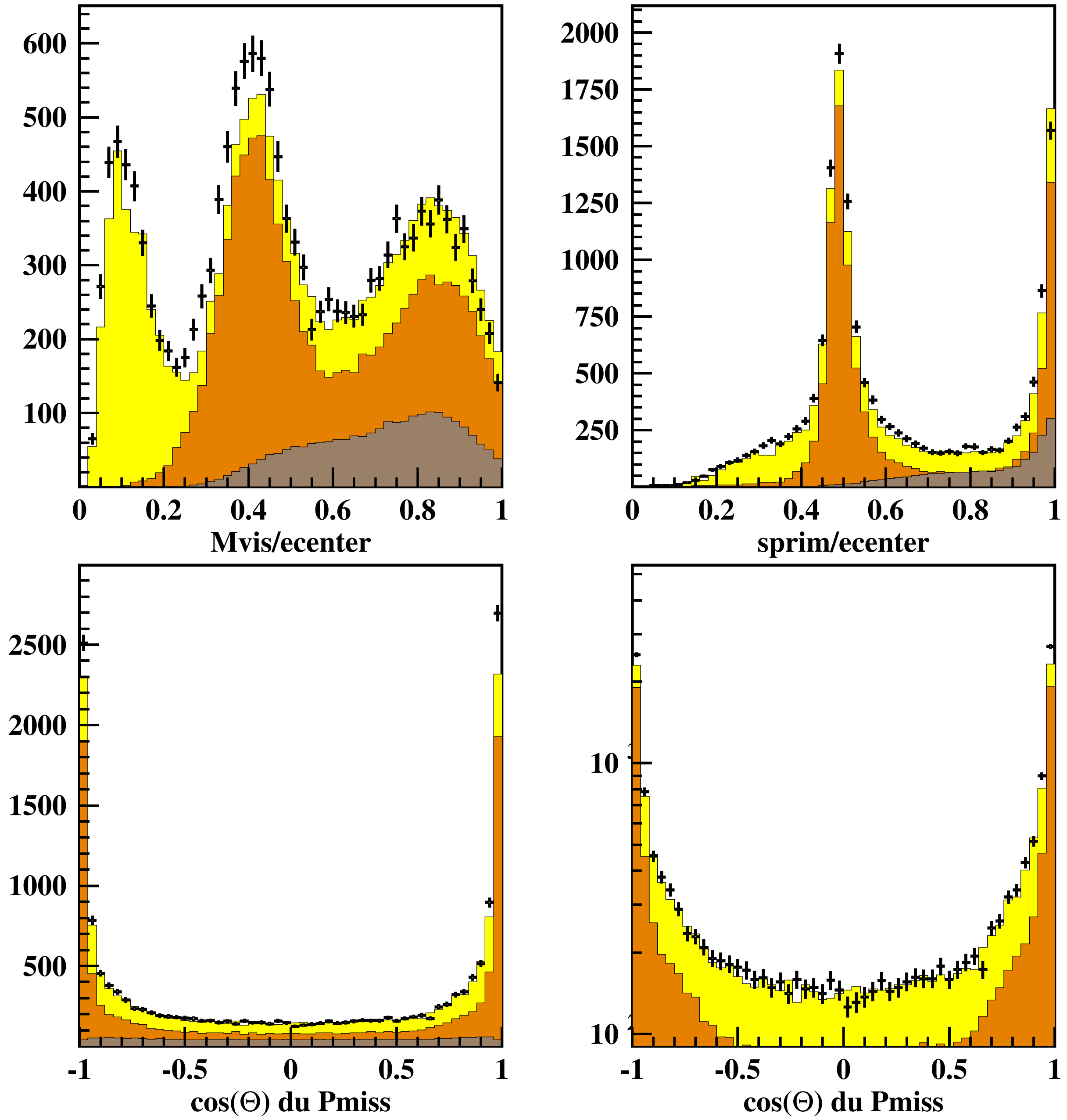


STEP 1

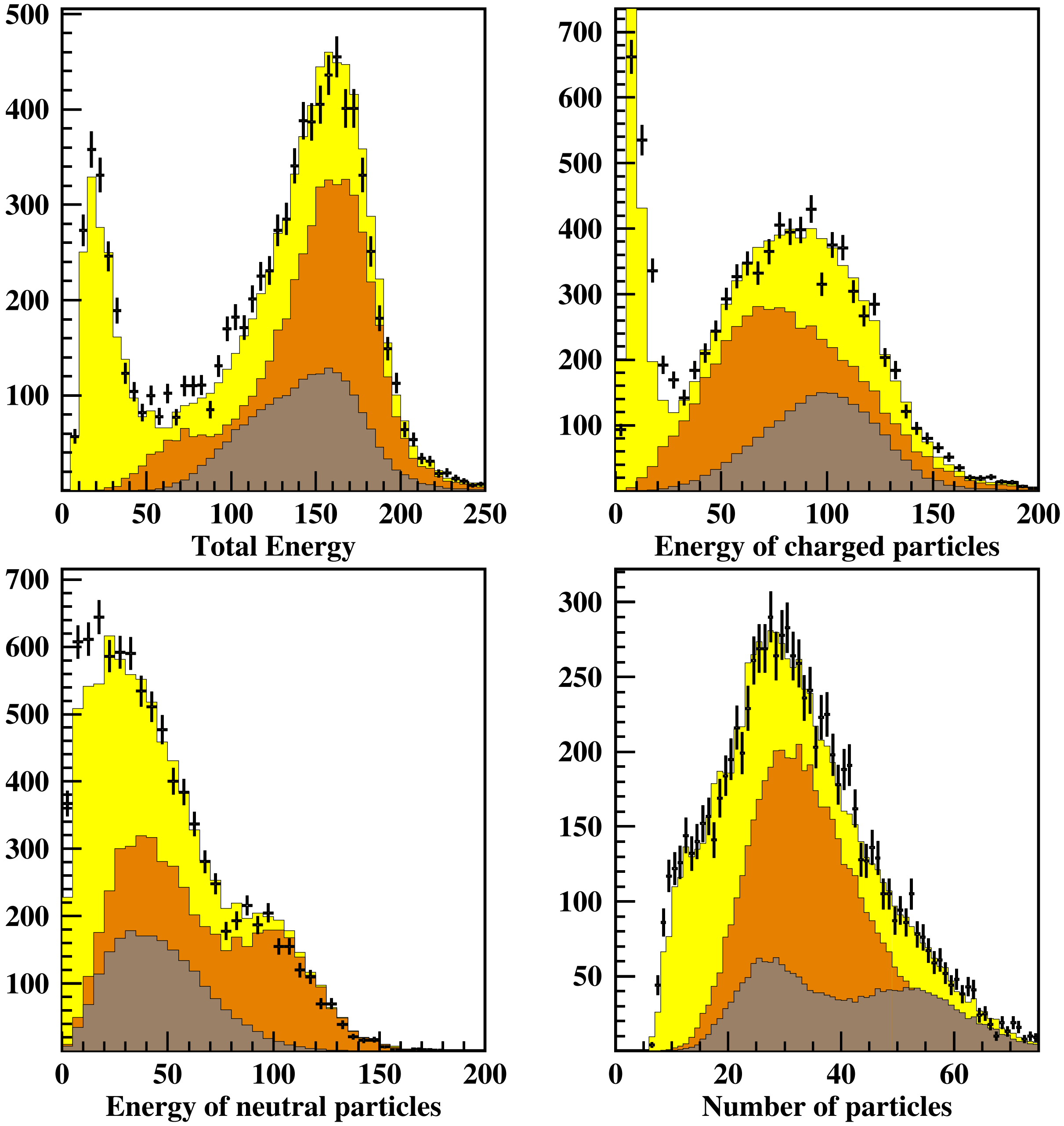


Total Energy
Energy of charged particles
Energy of neutral particles
E_t scalar

STEP 1

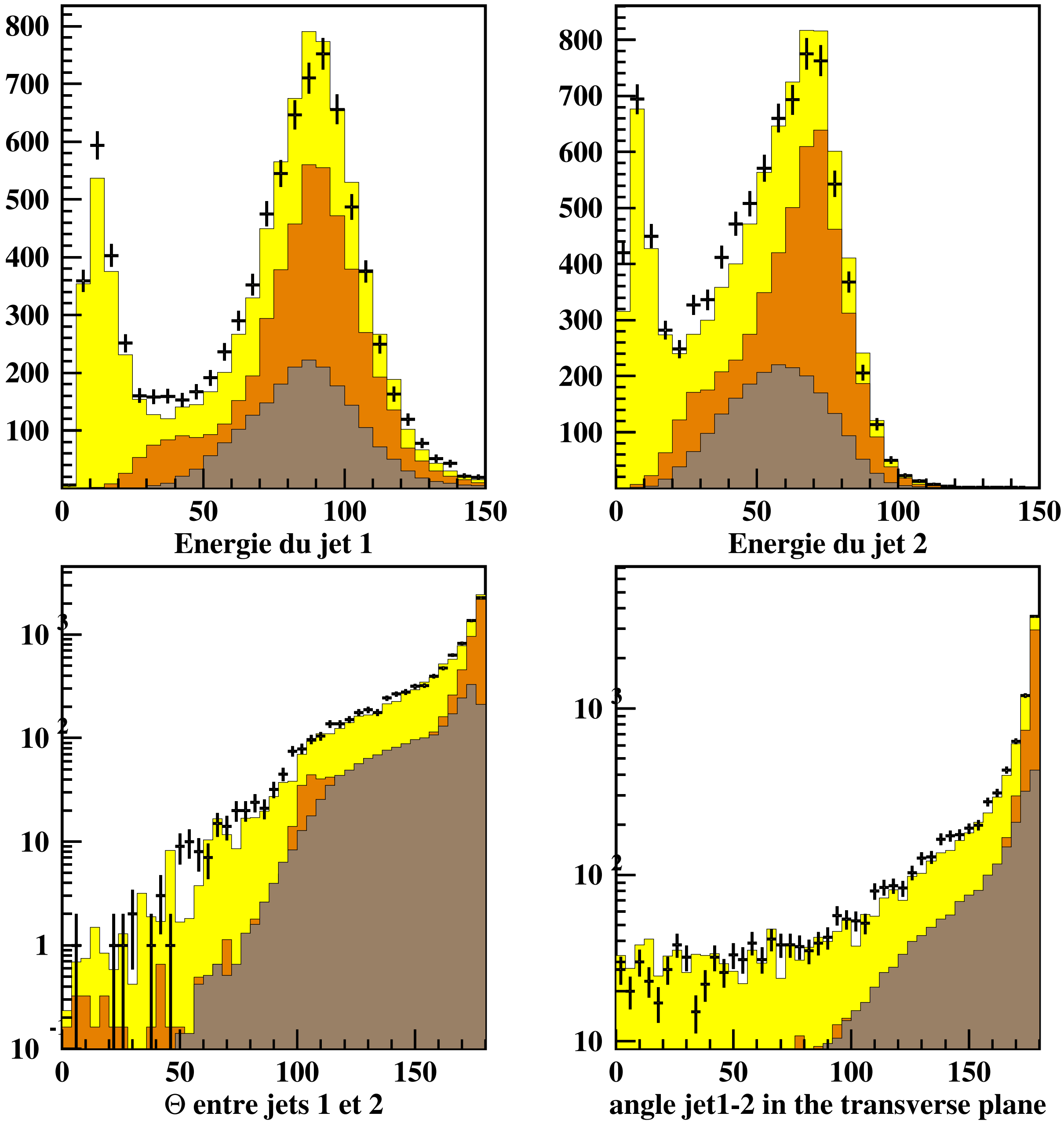


STEP 2



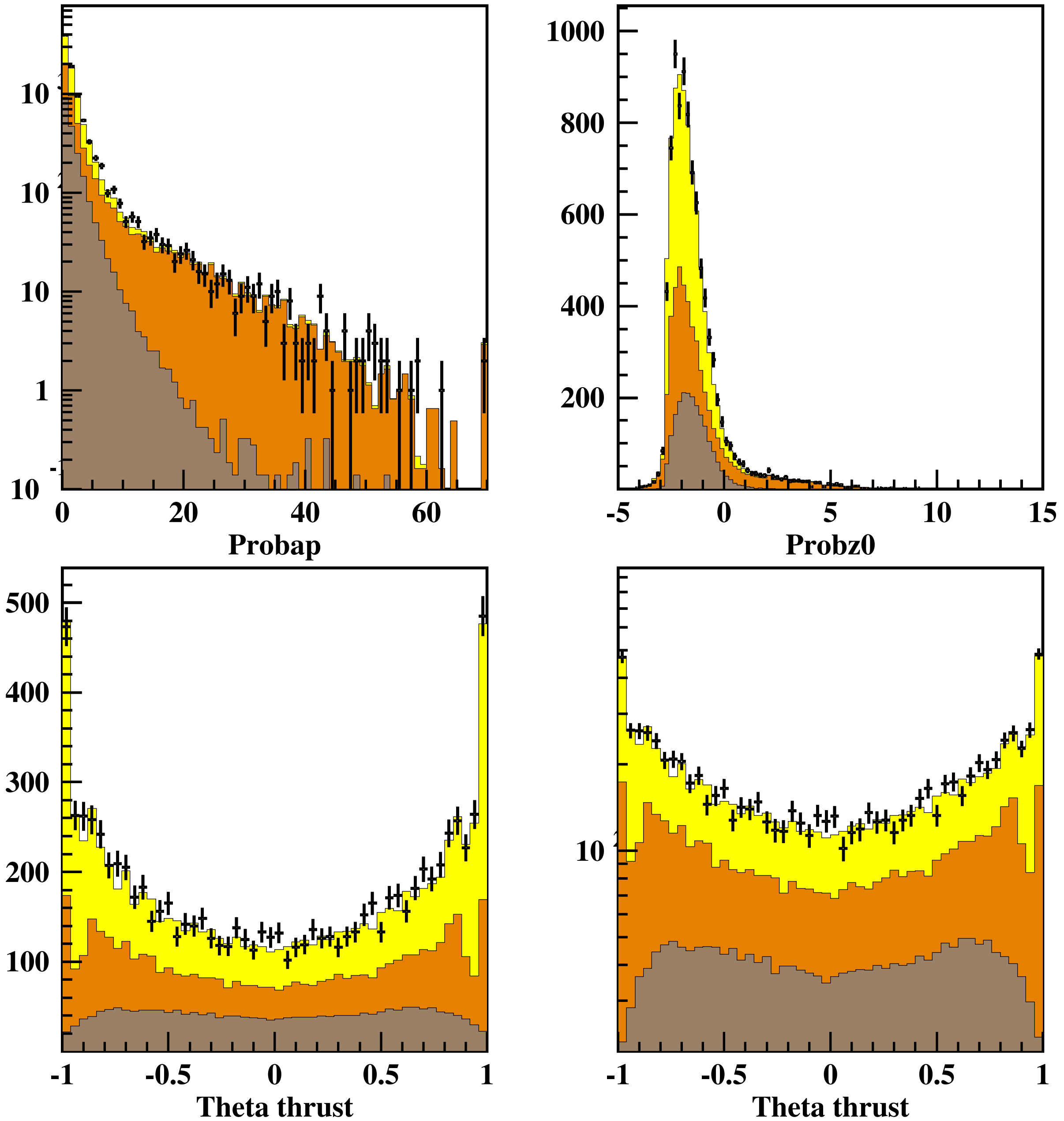
500
400
300
200
100
0
50
100
150
200
250
Total Energy
700
600
500
400
300
200
100
0
50
100
150
200
Energy of charged particles
700
600
500
400
300
200
100
0
50
100
150
200
Energy of neutral particles
300
250
200
150
100
50
0
20
40
60
Number of particles

STEP 2

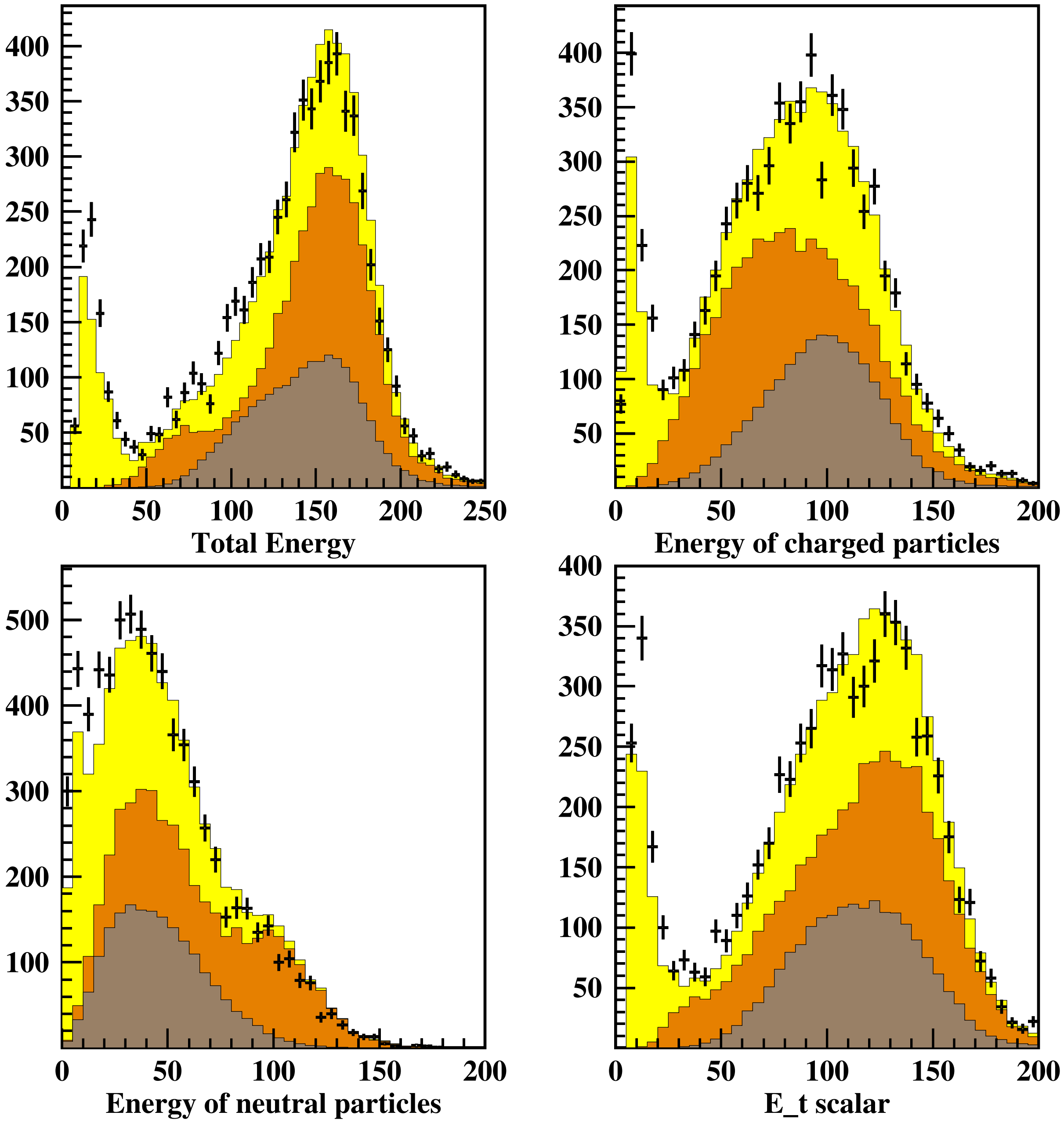


800
700
600
500
400
300
200
100
0
50
100
150
Energie du jet 1
Energie du jet 2
10 3
10 2
10
1
Θ entre jets 1 et 2
angle jet1-2 in the transverse plane

STEP 2

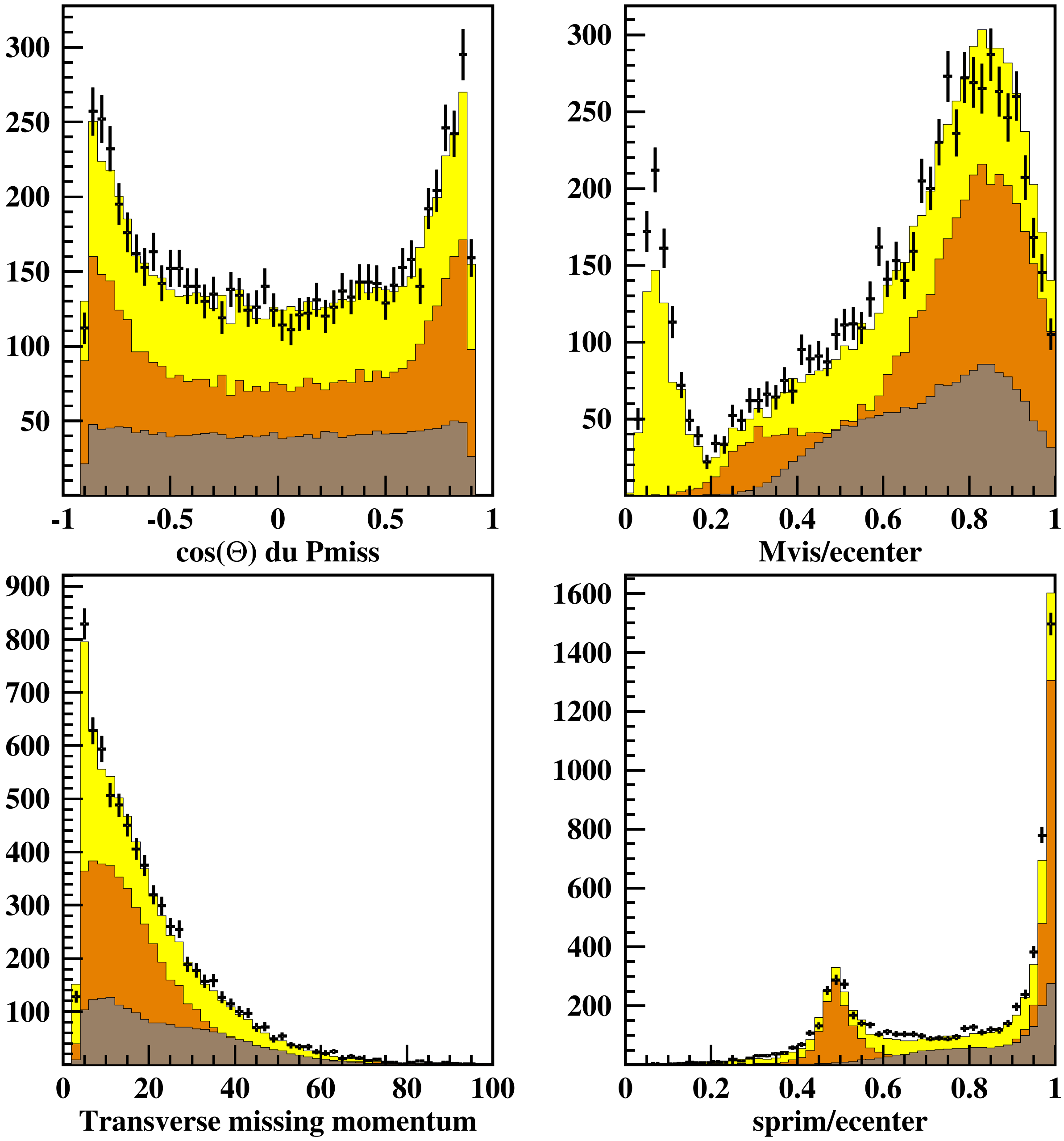


STEP 3



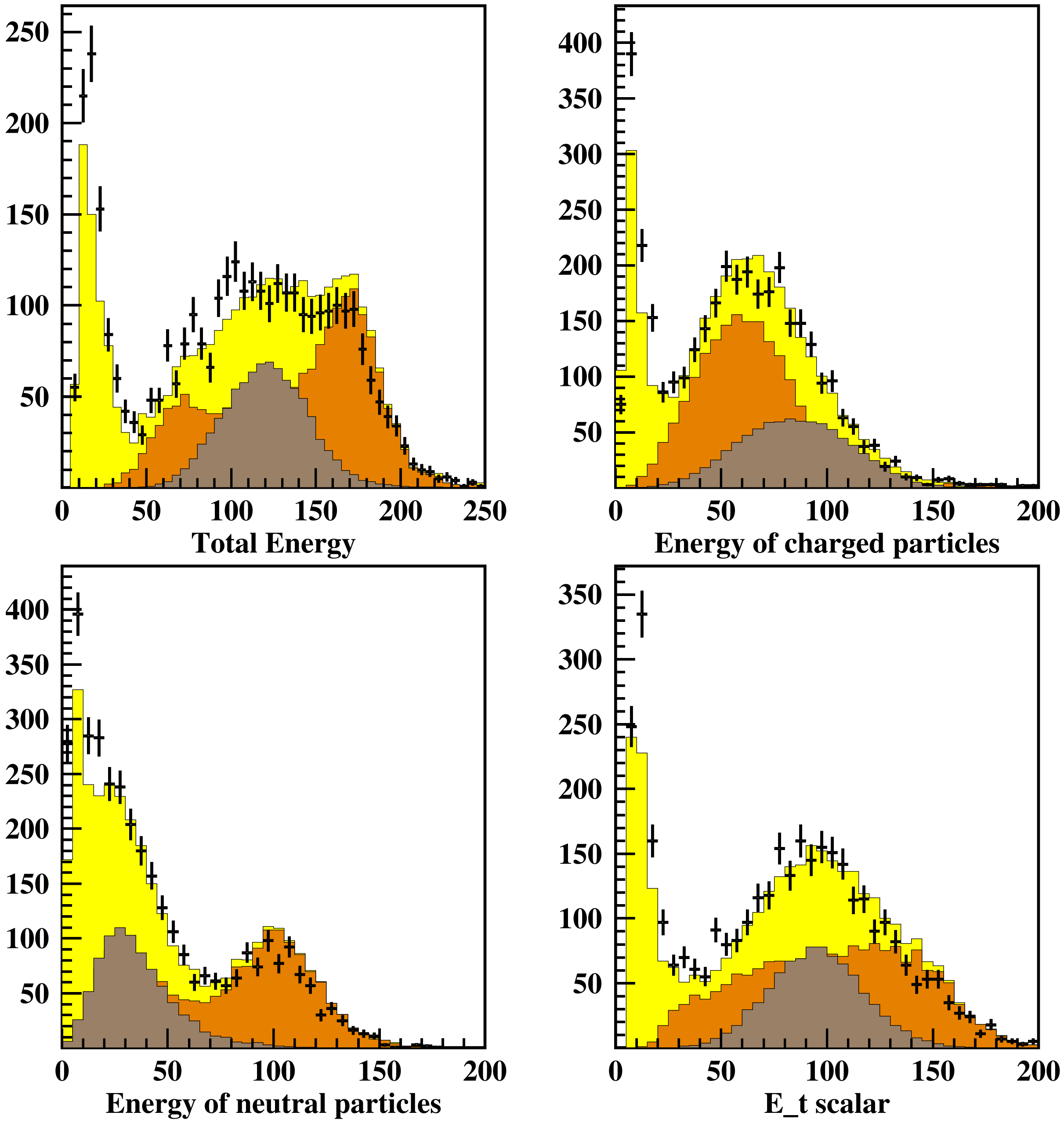
Total Energy
Energy of charged particles
Energy of neutral particles
E_t scalar

STEP 3



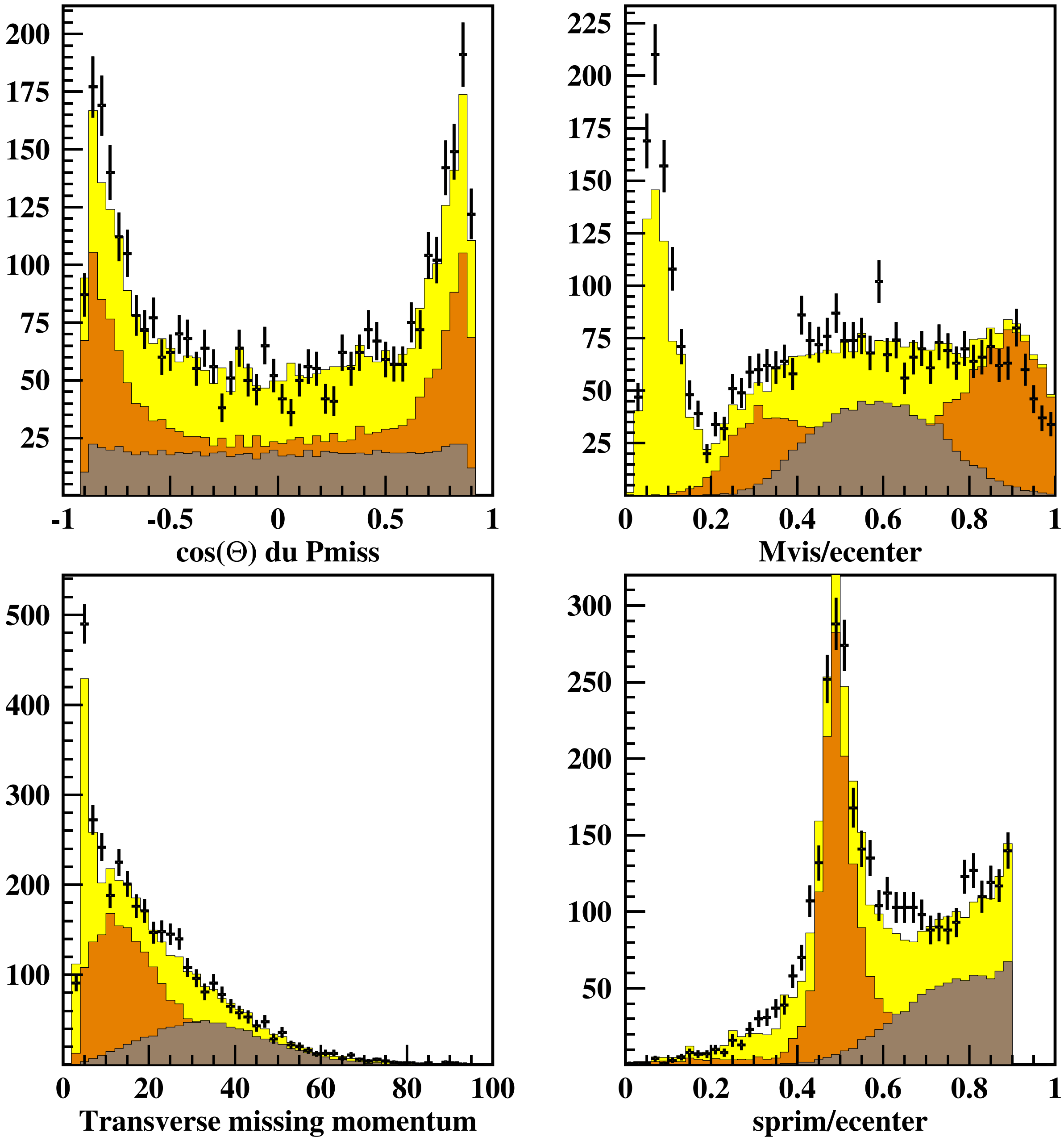
cos(Θ) du Pmiss
Mvis/ecenter
Transverse missing momentum
sprim/ecenter

STEP 4



250
200
150
100
50
0
50
100
150
200
250
Total Energy
400
350
300
250
200
150
100
50
0
50
100
150
200
Energy of charged particles
400
350
300
250
200
150
100
50
0
50
100
150
200
Energy of neutral particles
350
300
250
200
150
100
50
0
50
100
150
200
E_t scalar

STEP 4



200
175
150
125
100
75
50
25
-1
-0.5
0
0.5
1
cos(Θ) du Pmiss
225
200
175
150
125
100
75
50
25
0
0.2
0.4
0.6
0.8
1
Mvis/ecenter
500
400
300
200
100
0
20
40
60
80
100
Transverse missing momentum
300
250
200
150
100
50
0
0.2
0.4
0.6
0.8
1
sprim/ecenter