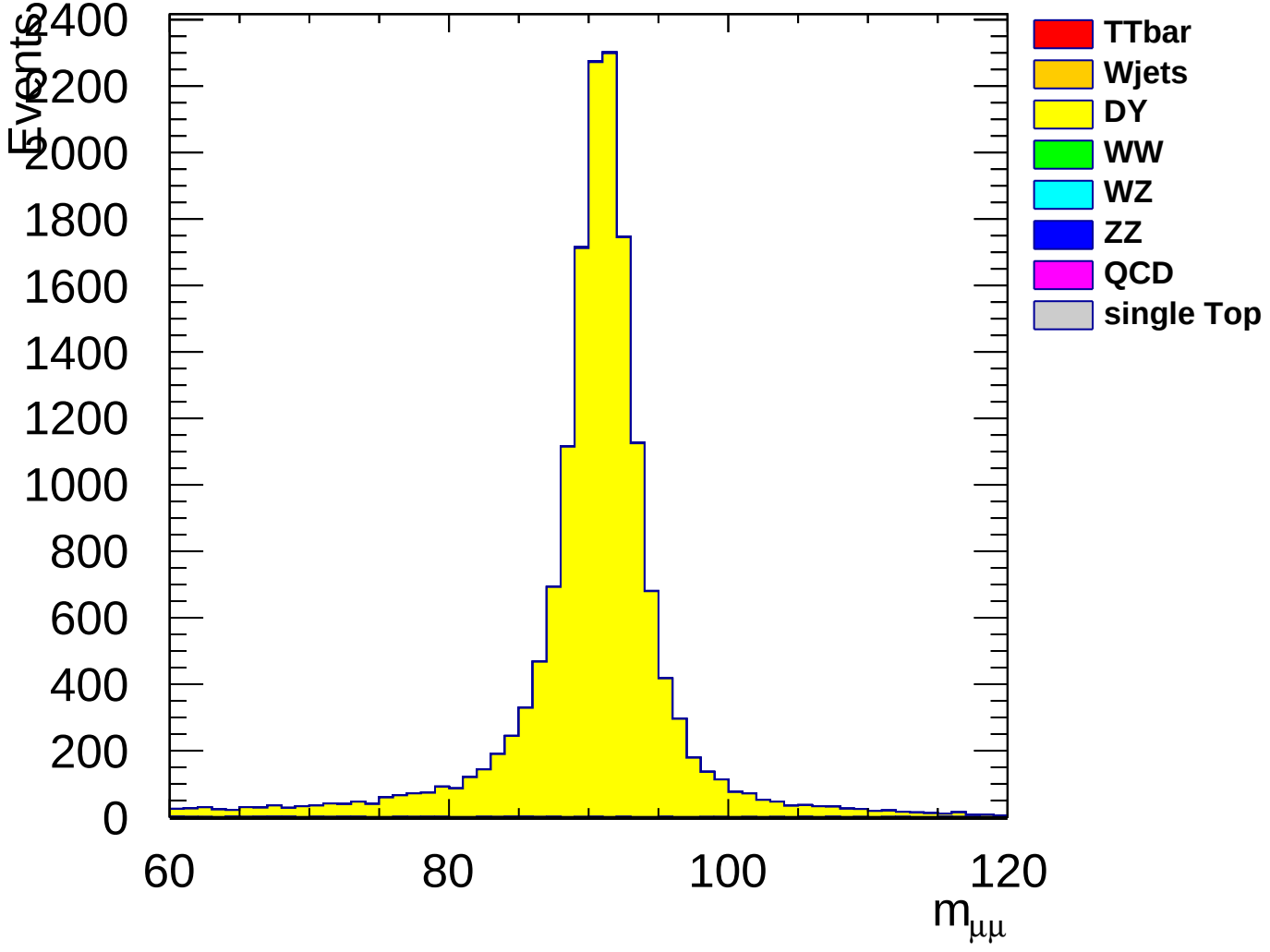
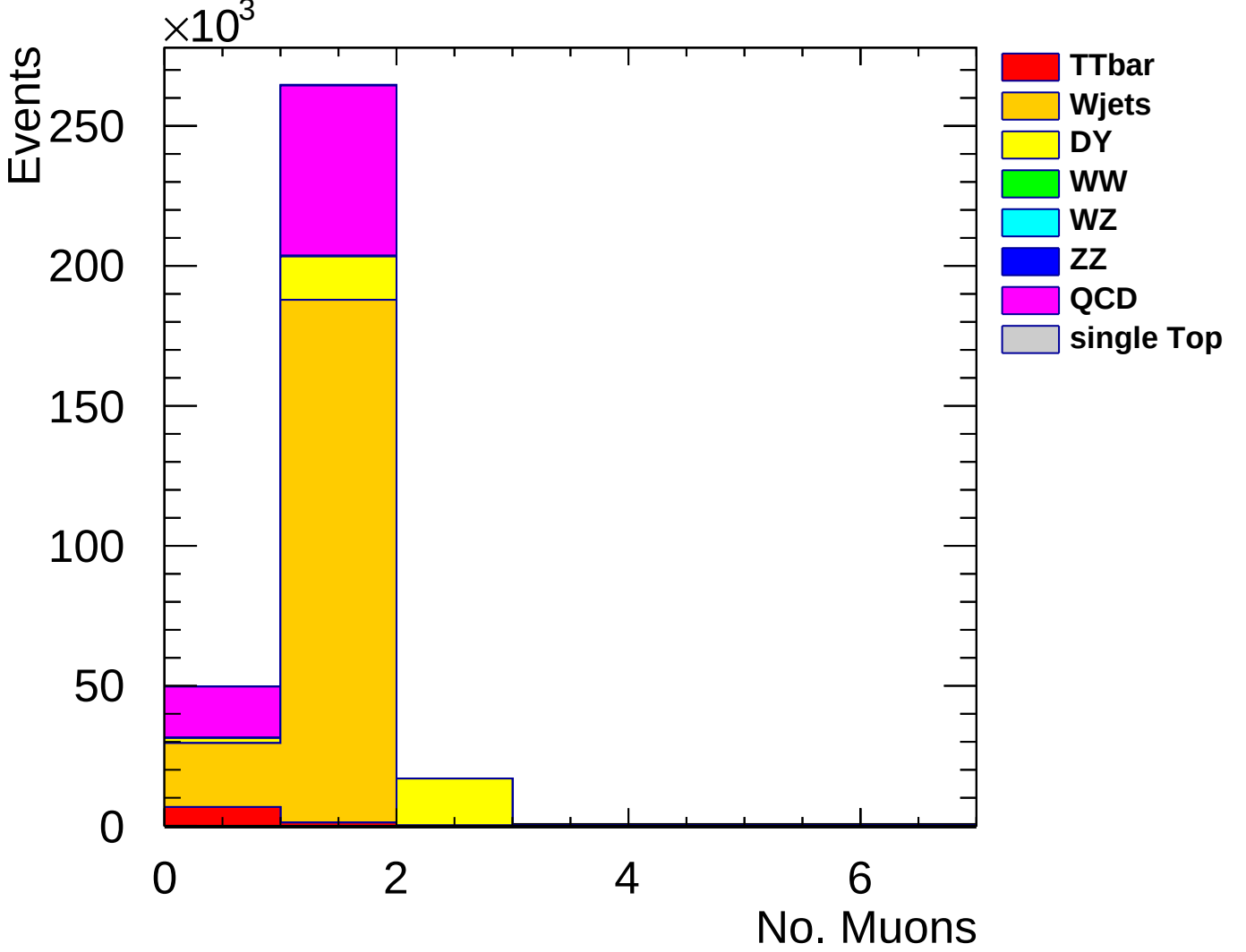
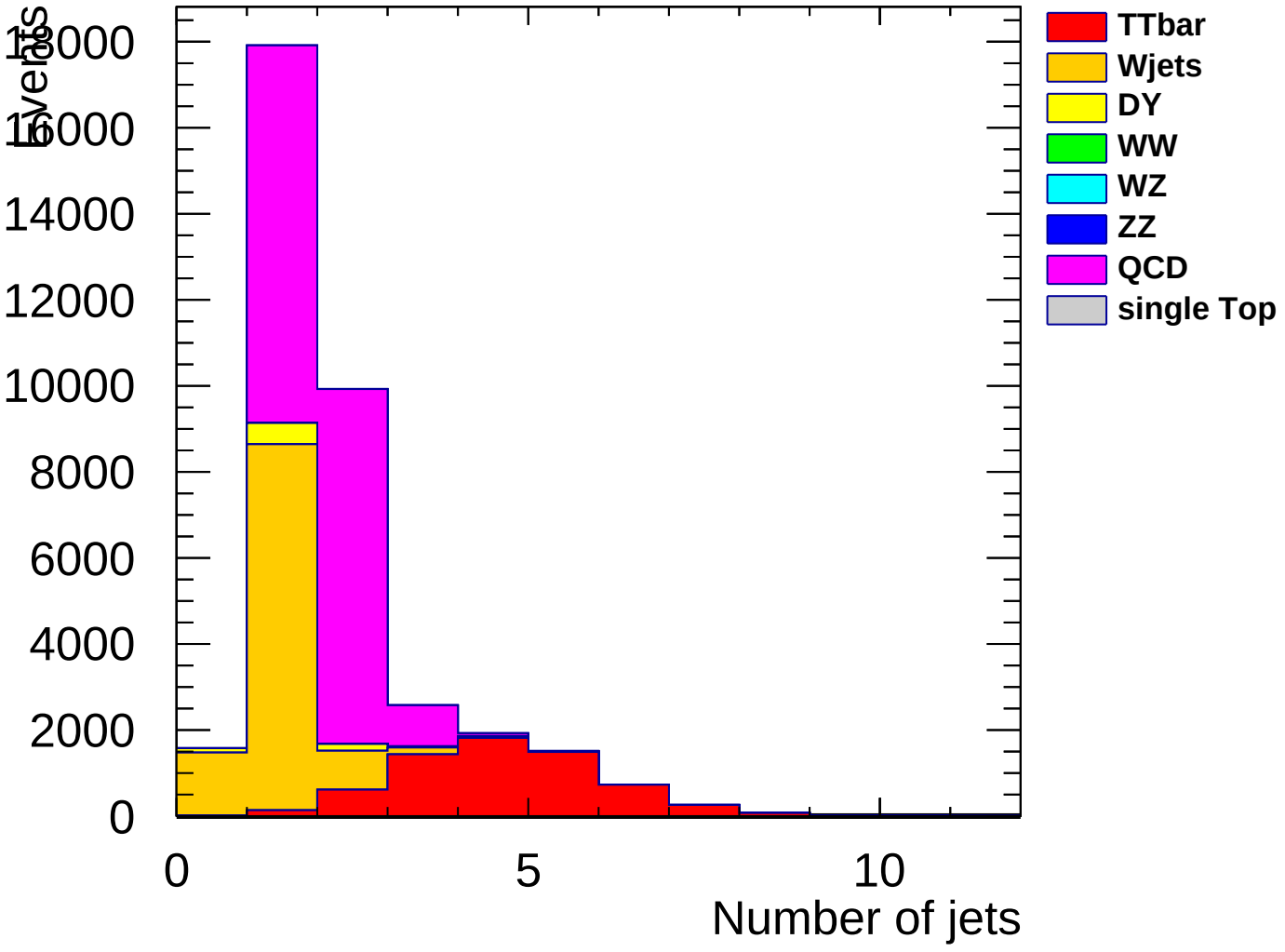
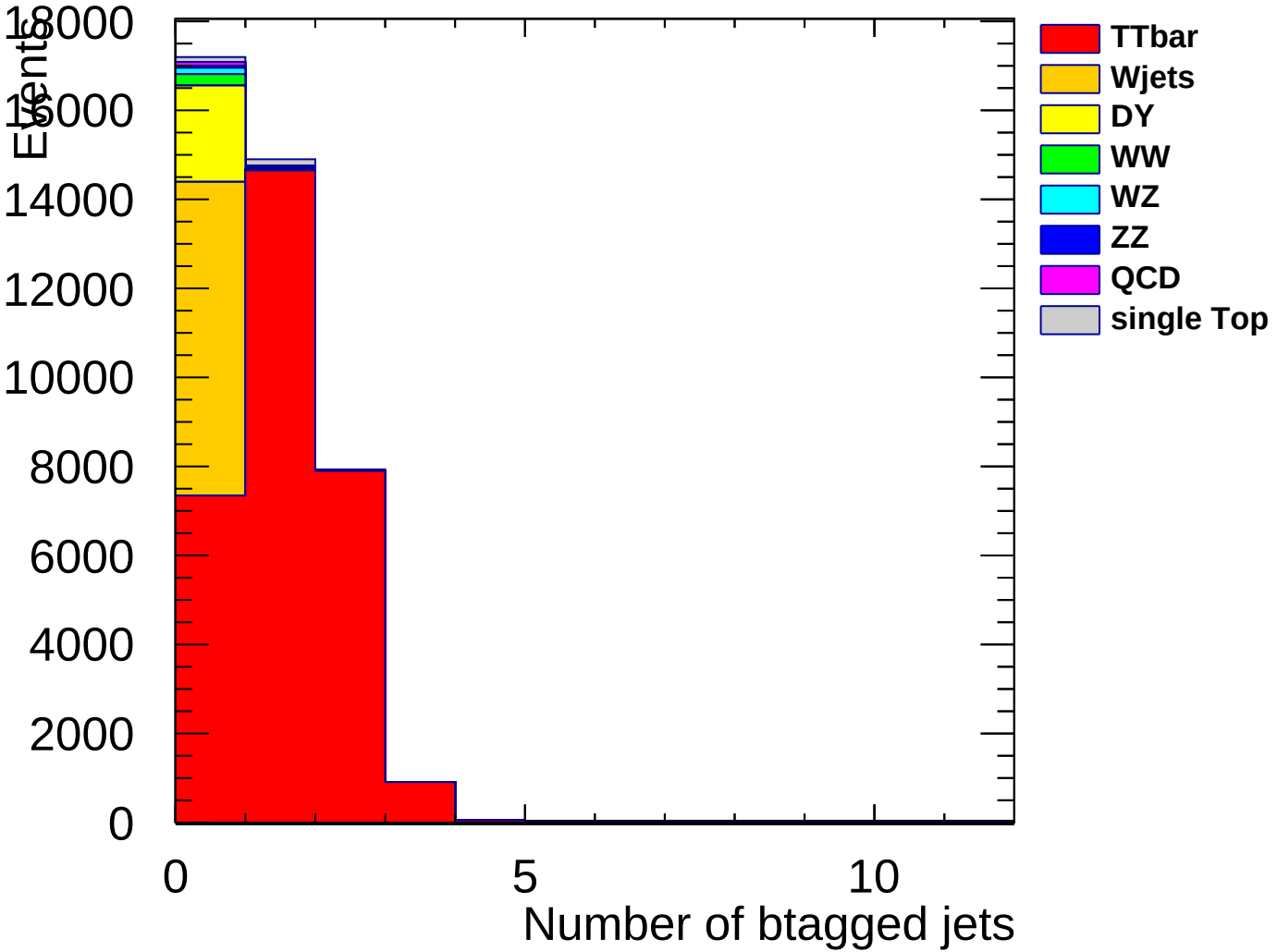
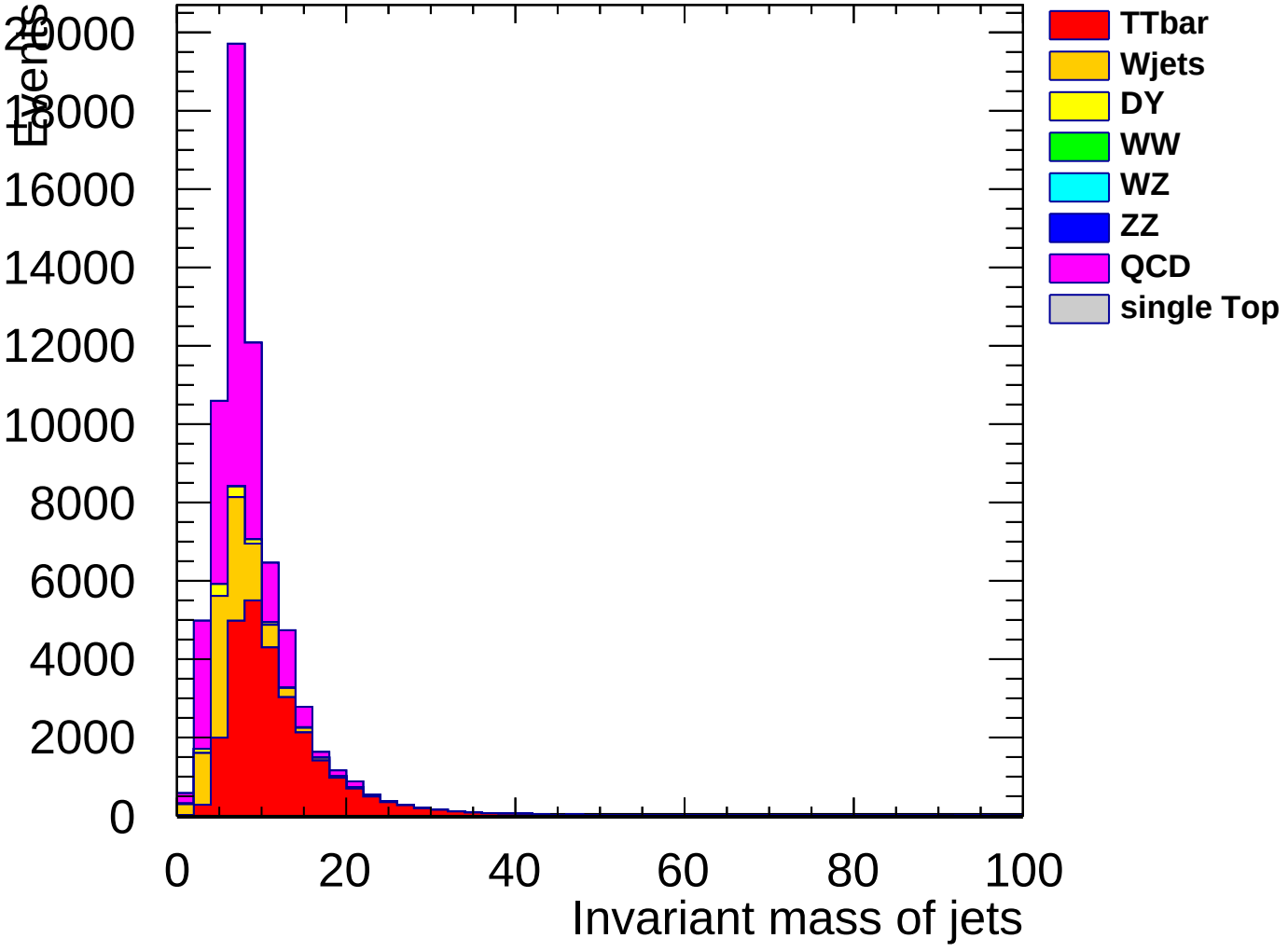
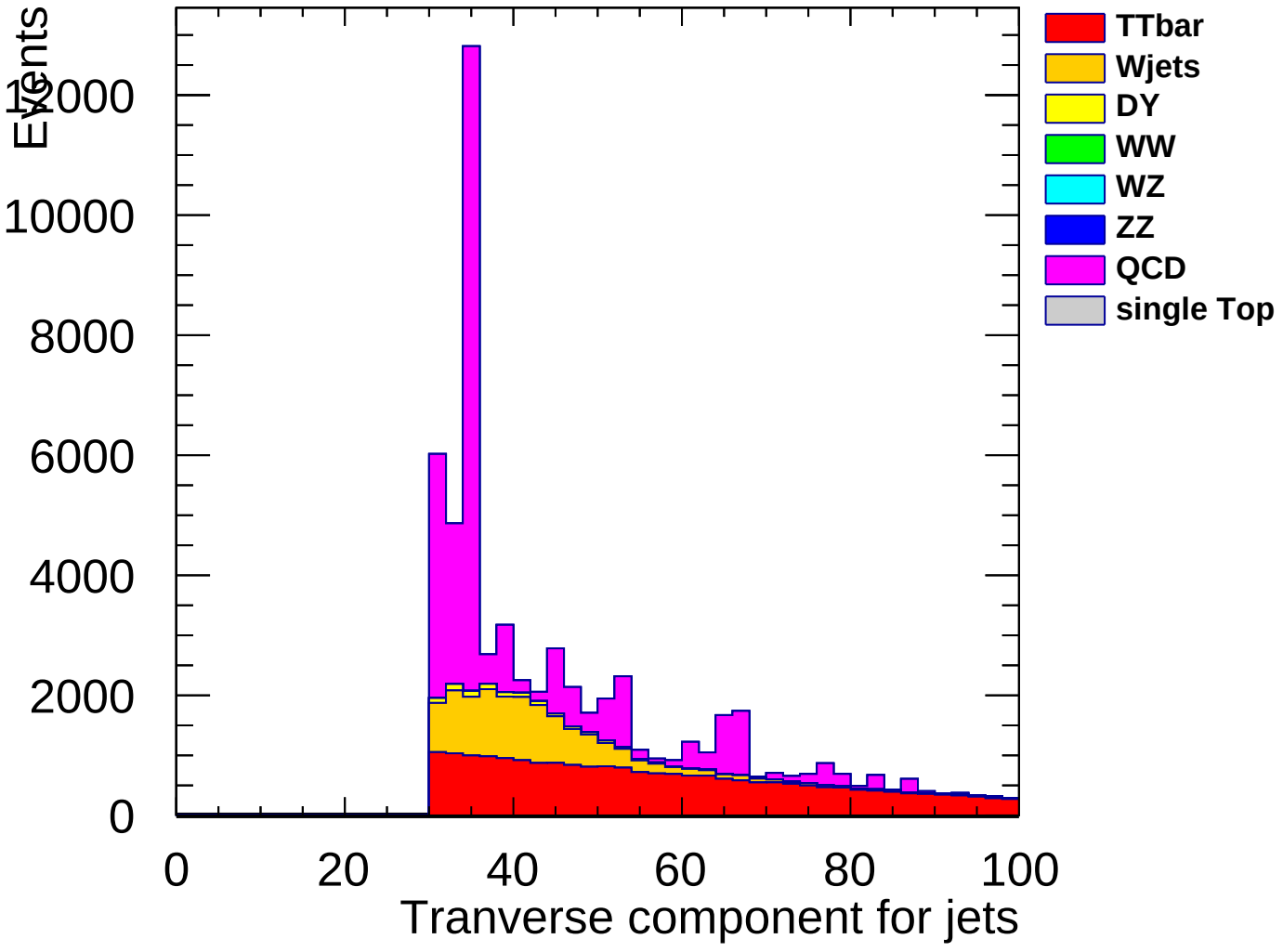

Events
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
60
80
100
120
$m_{\mu\mu}$
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

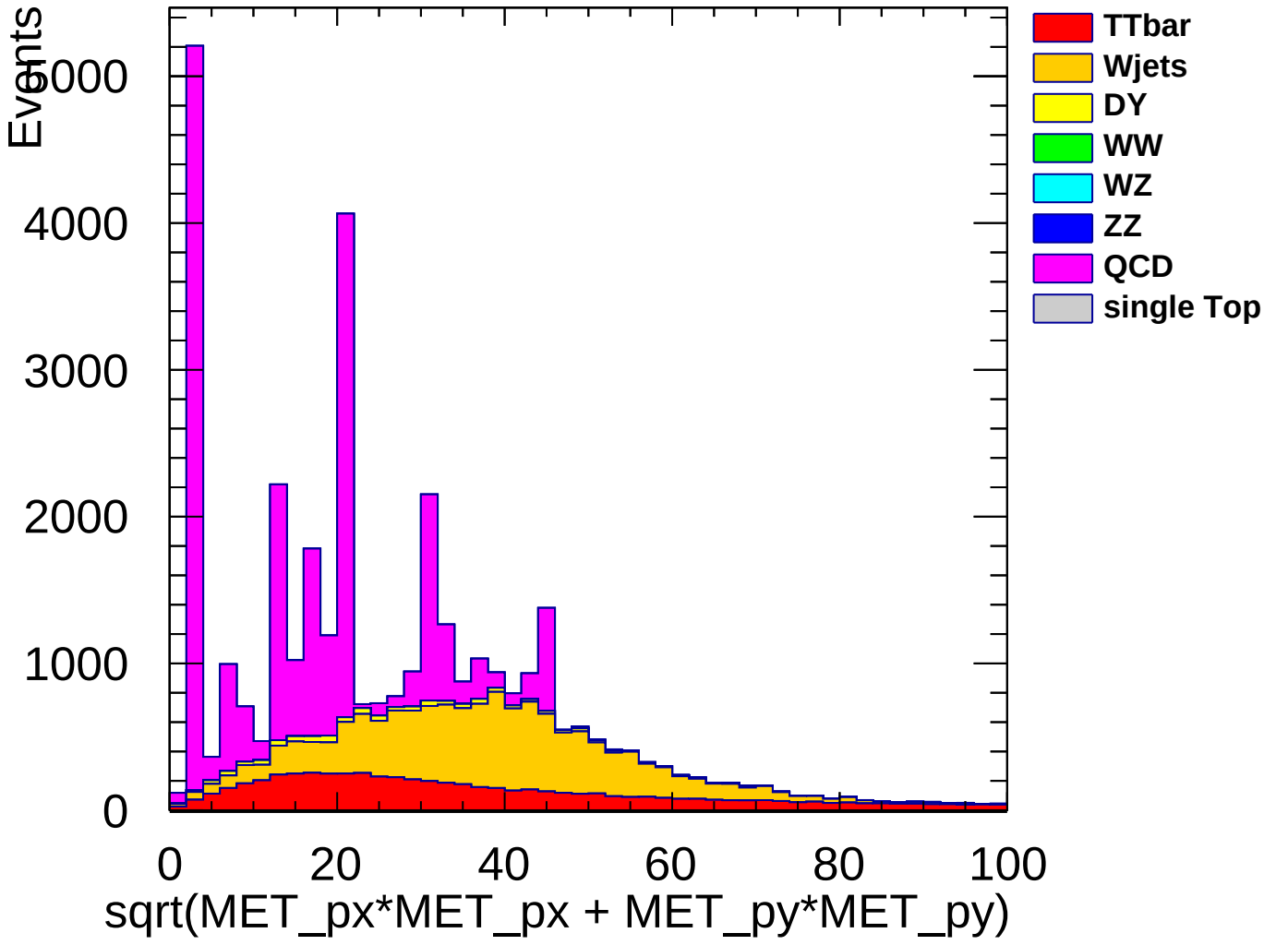

×10^3
Events
250
200
150
100
50
0
0
2
4
6
No. Muons
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

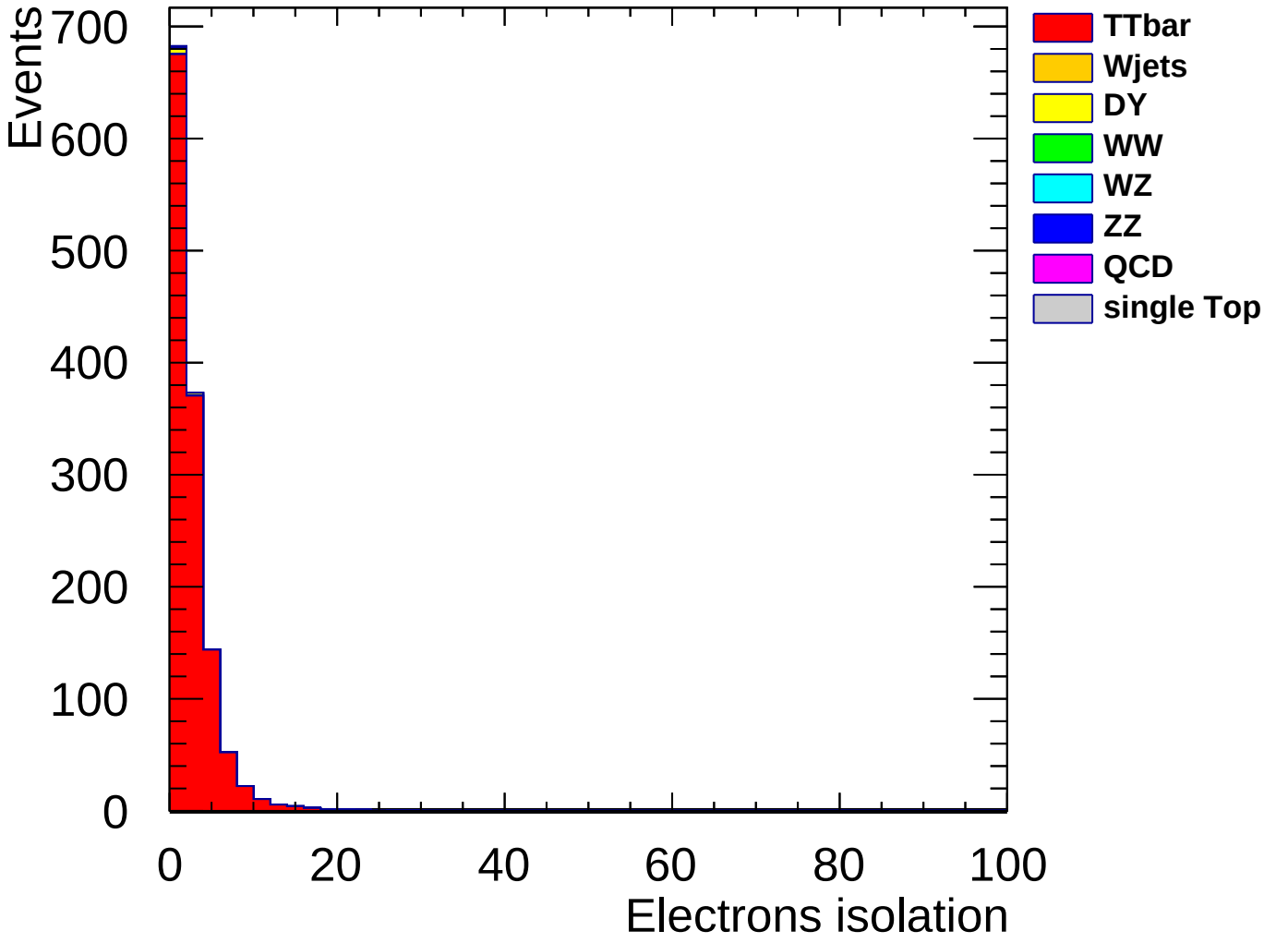

Events
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
5
10
Number of jets
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

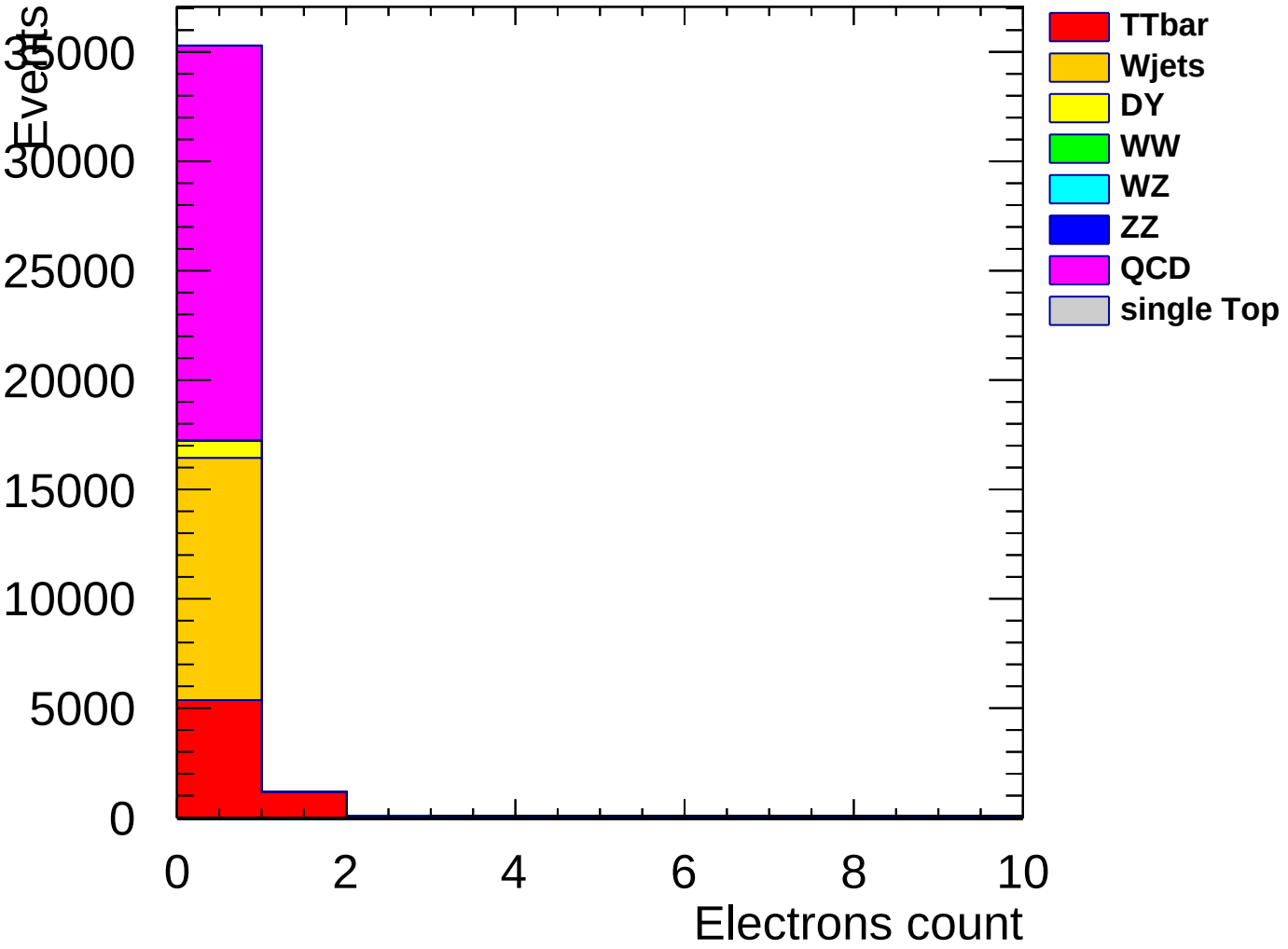

Events
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
5
10
Number of btagged jets
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

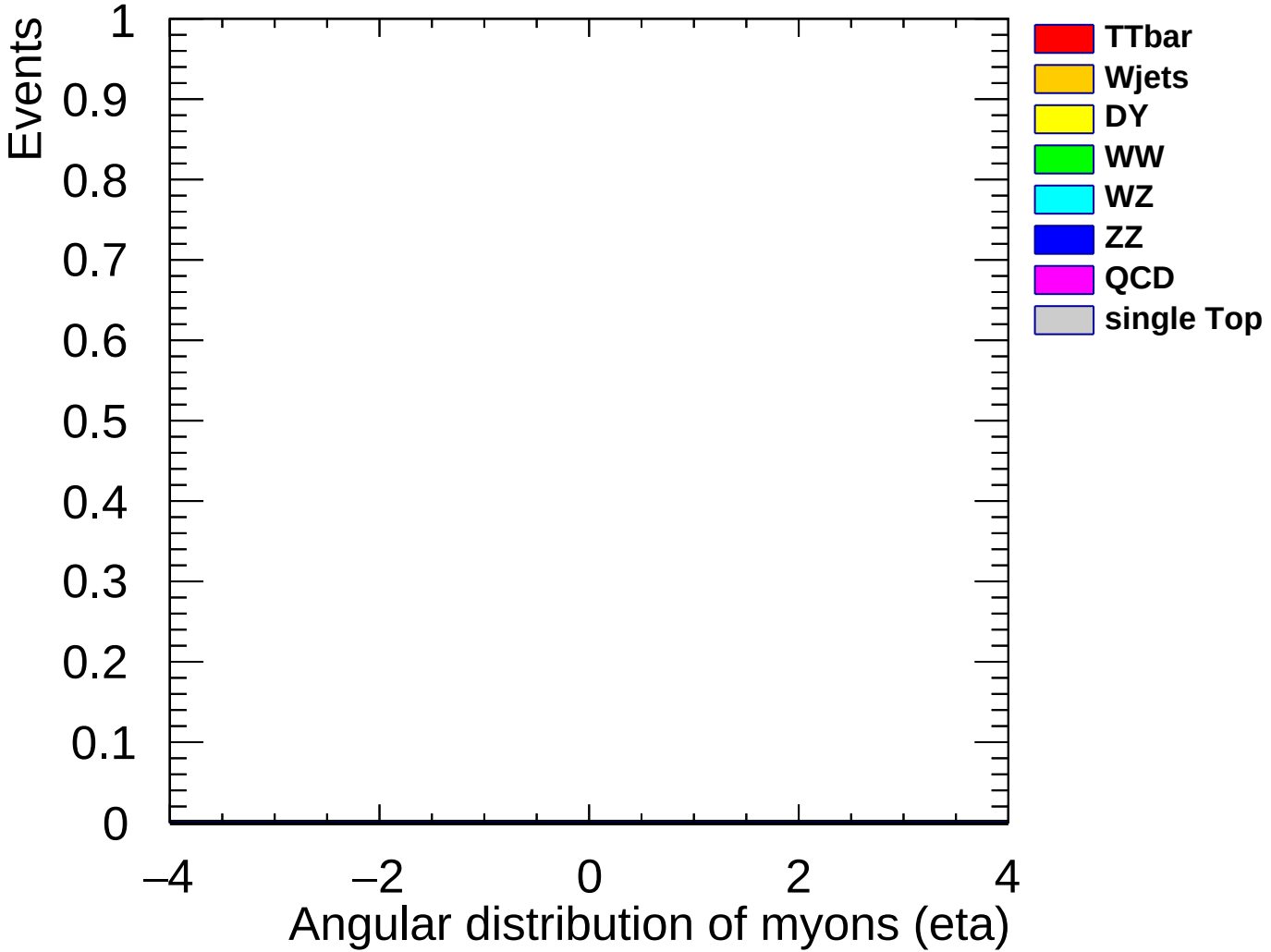

Events
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
Invariant mass of jets
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

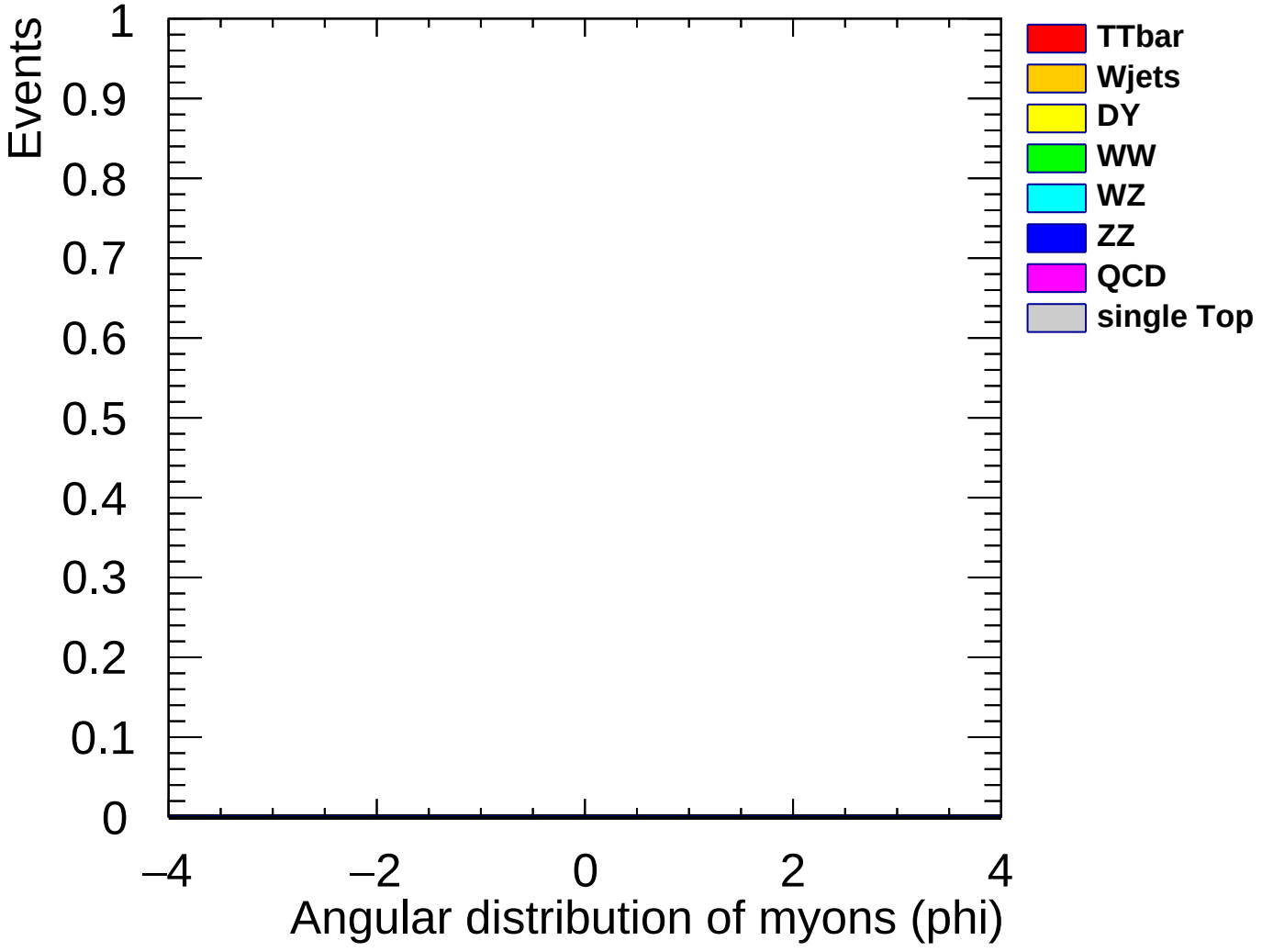

Events
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
Tranverse component for jets
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

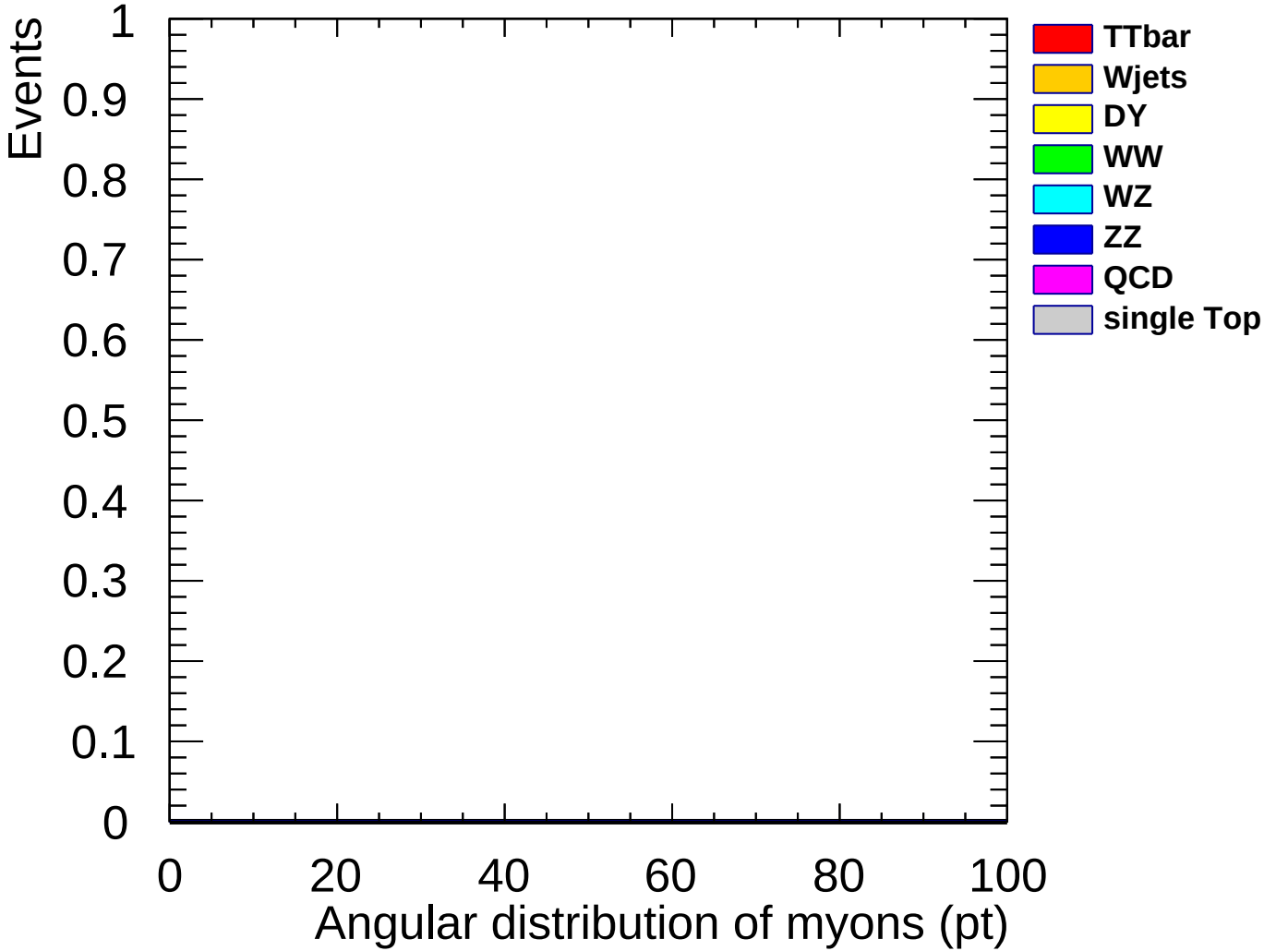

Events
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
sqrt(MET_px*MET_px + MET_py*MET_py)
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

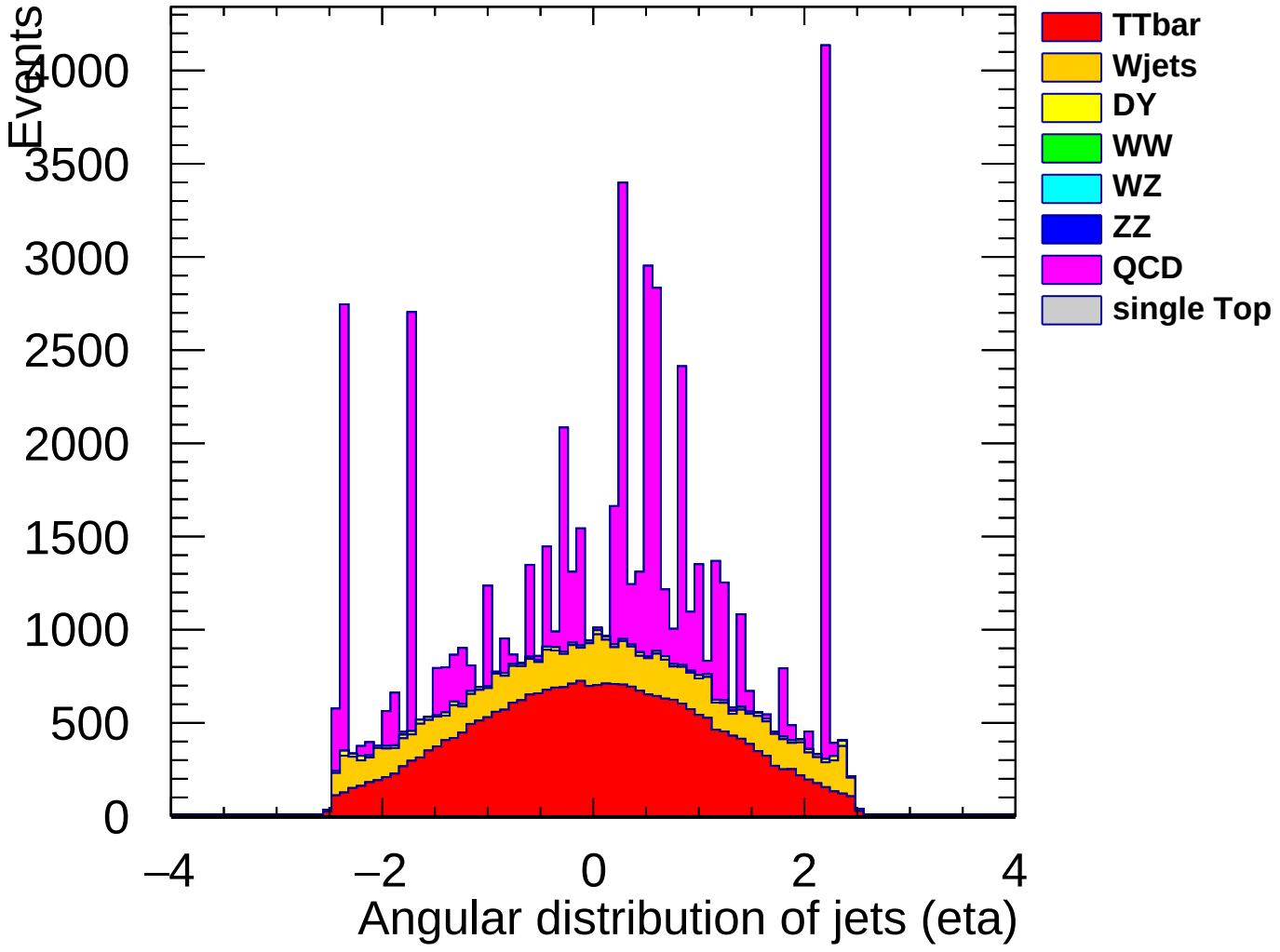

Events
700
600
500
400
300
200
100
0
0
20
40
60
80
100
Electrons isolation
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

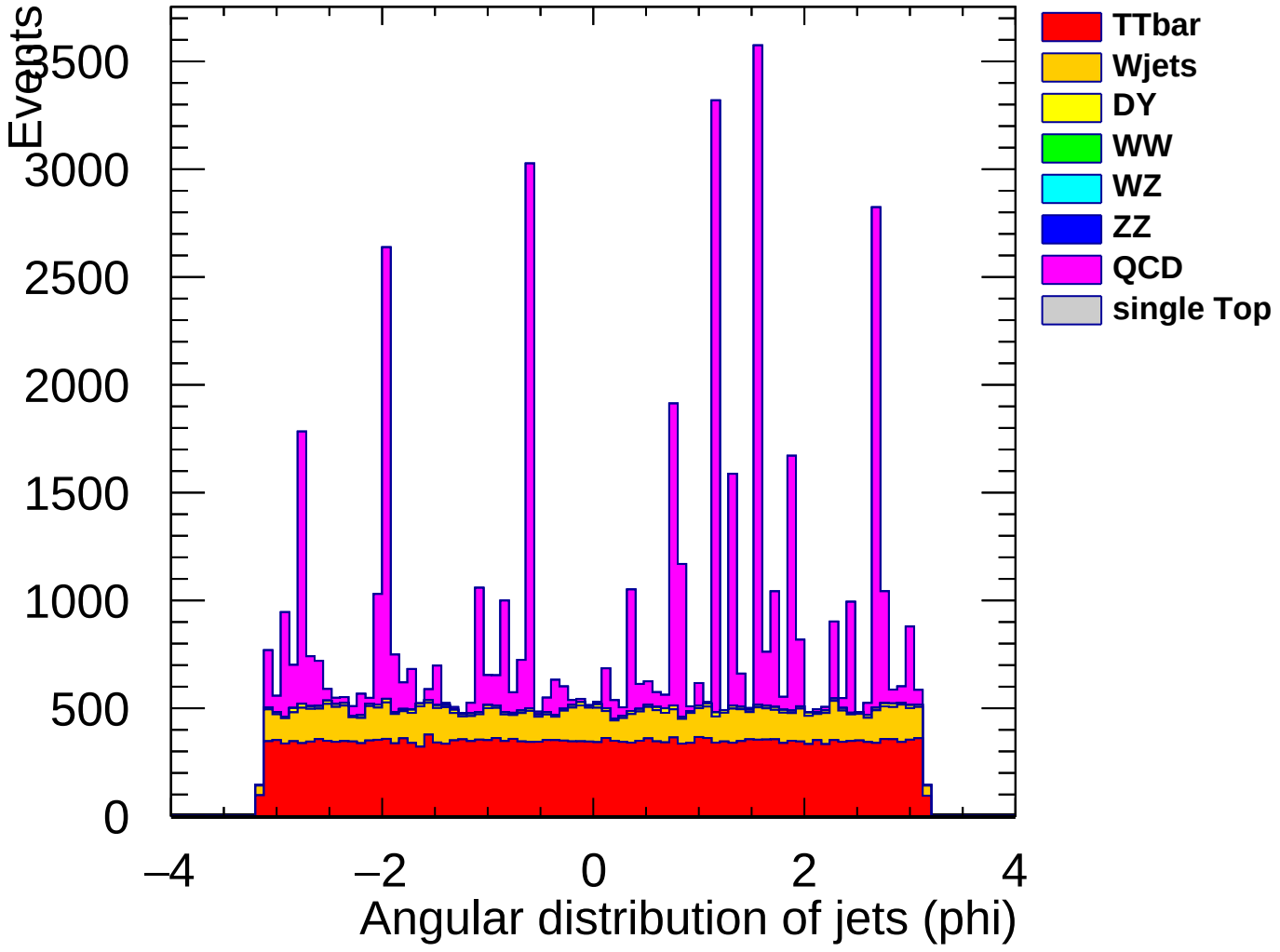

Events
35000
30000
25000
20000
15000
10000
5000
0
0
2
4
6
8
10
Electrons count
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top

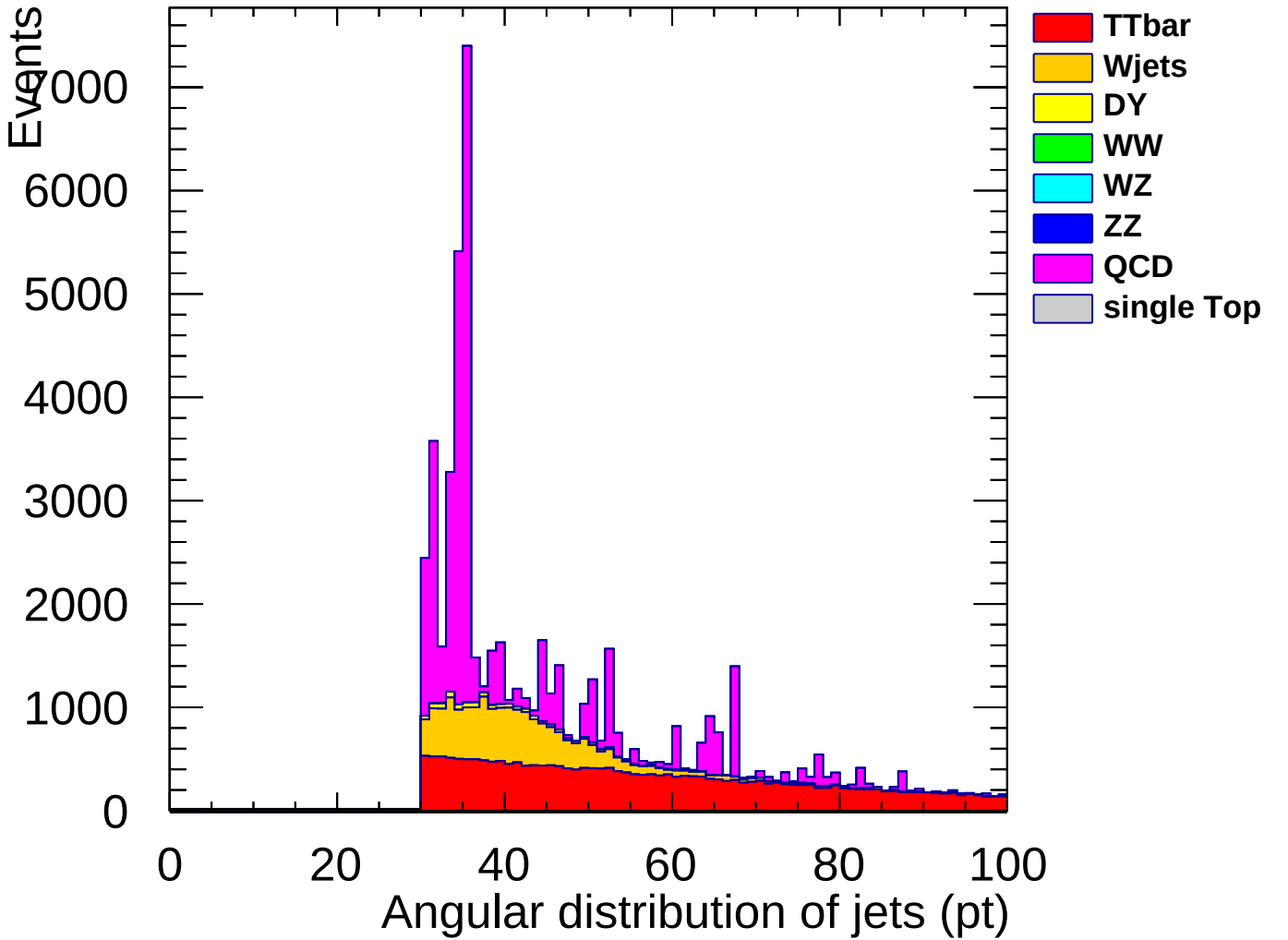

Events
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–4
–2
0
2
4
Angular distribution of myons (eta)
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top


Events
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–4
–2
0
2
4
Angular distribution of myons (phi)
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top


Events
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100
Angular distribution of myons (pt)
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top


Events
4000
3500
3000
2500
2000
1500
1000
500
0
–4
–2
0
2
4
Angular distribution of jets (eta)
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top


Events
3500
3000
2500
2000
1500
1000
500
0
–4
–2
0
2
4
Angular distribution of jets (phi)
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top


Events
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
Angular distribution of jets (pt)
TTbar
Wjets
DY
WW
WZ
ZZ
QCD
single Top