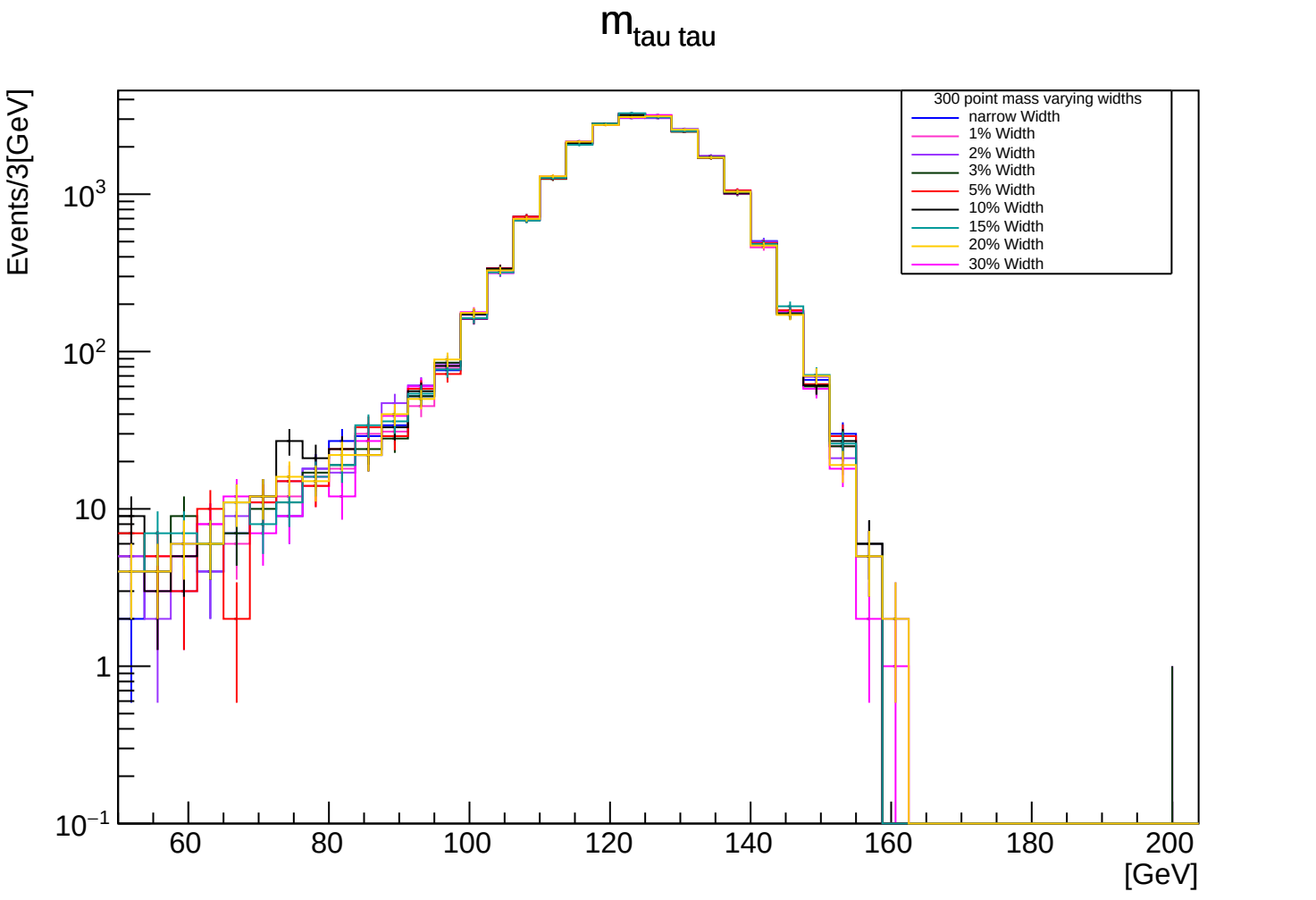
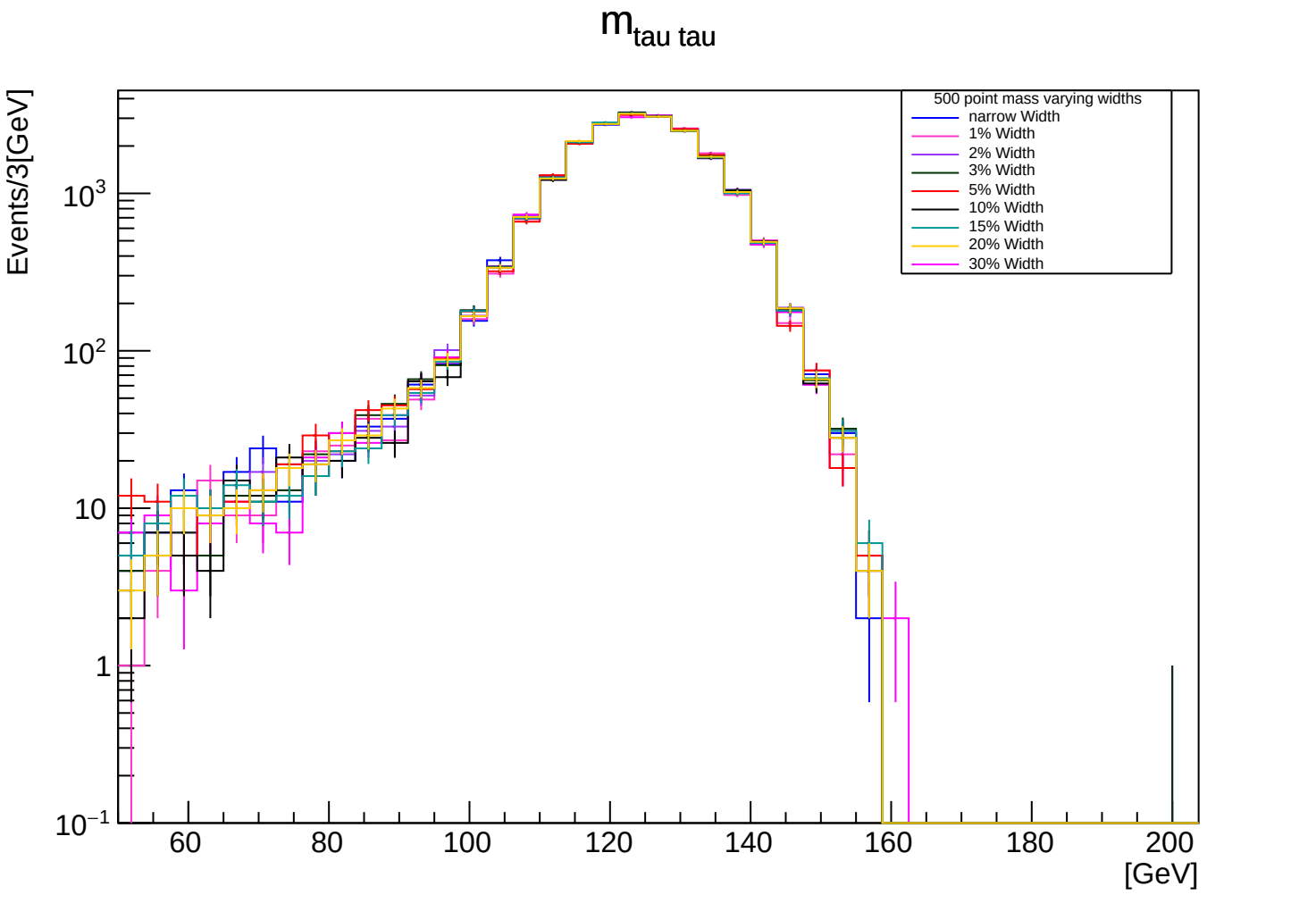
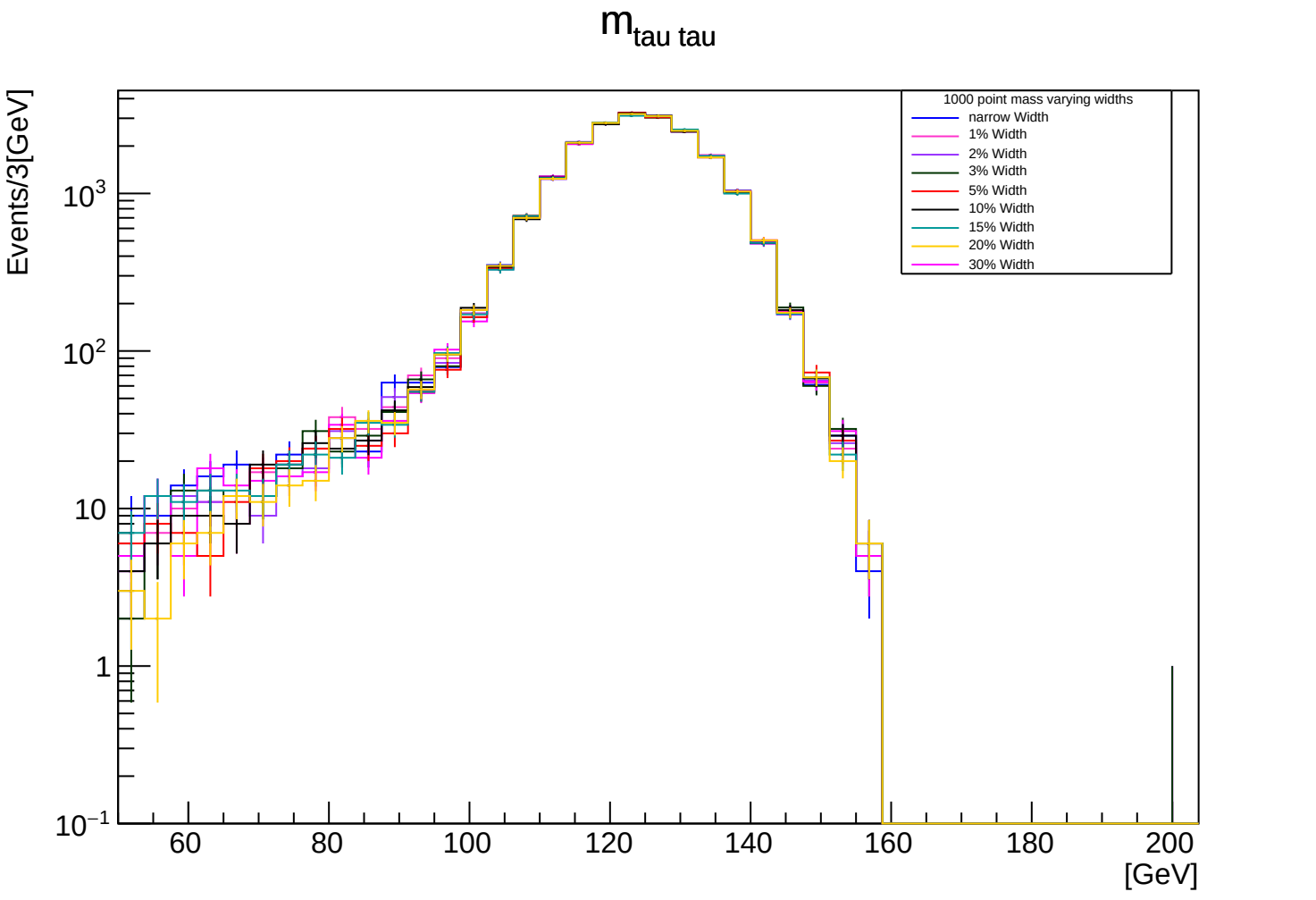
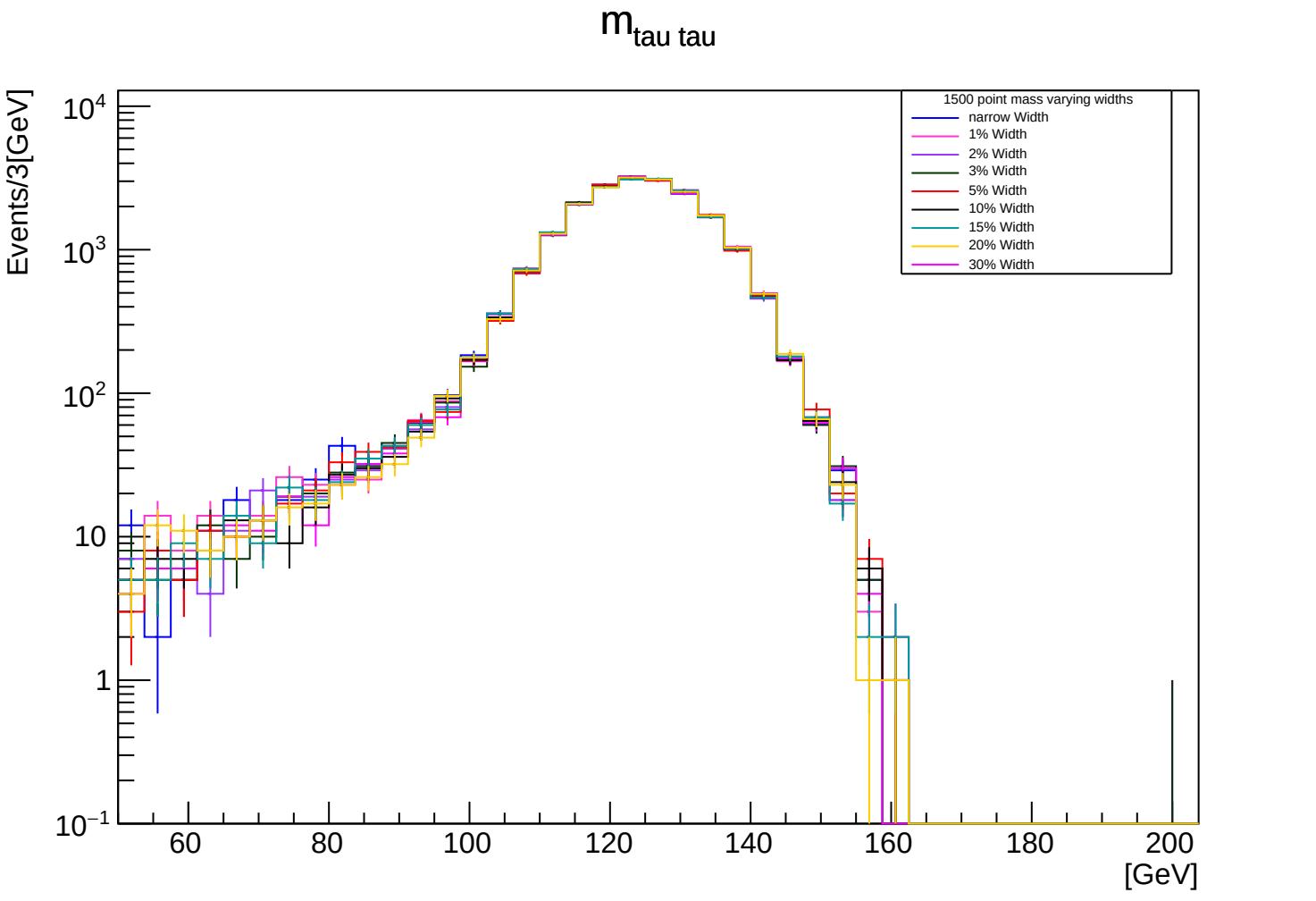
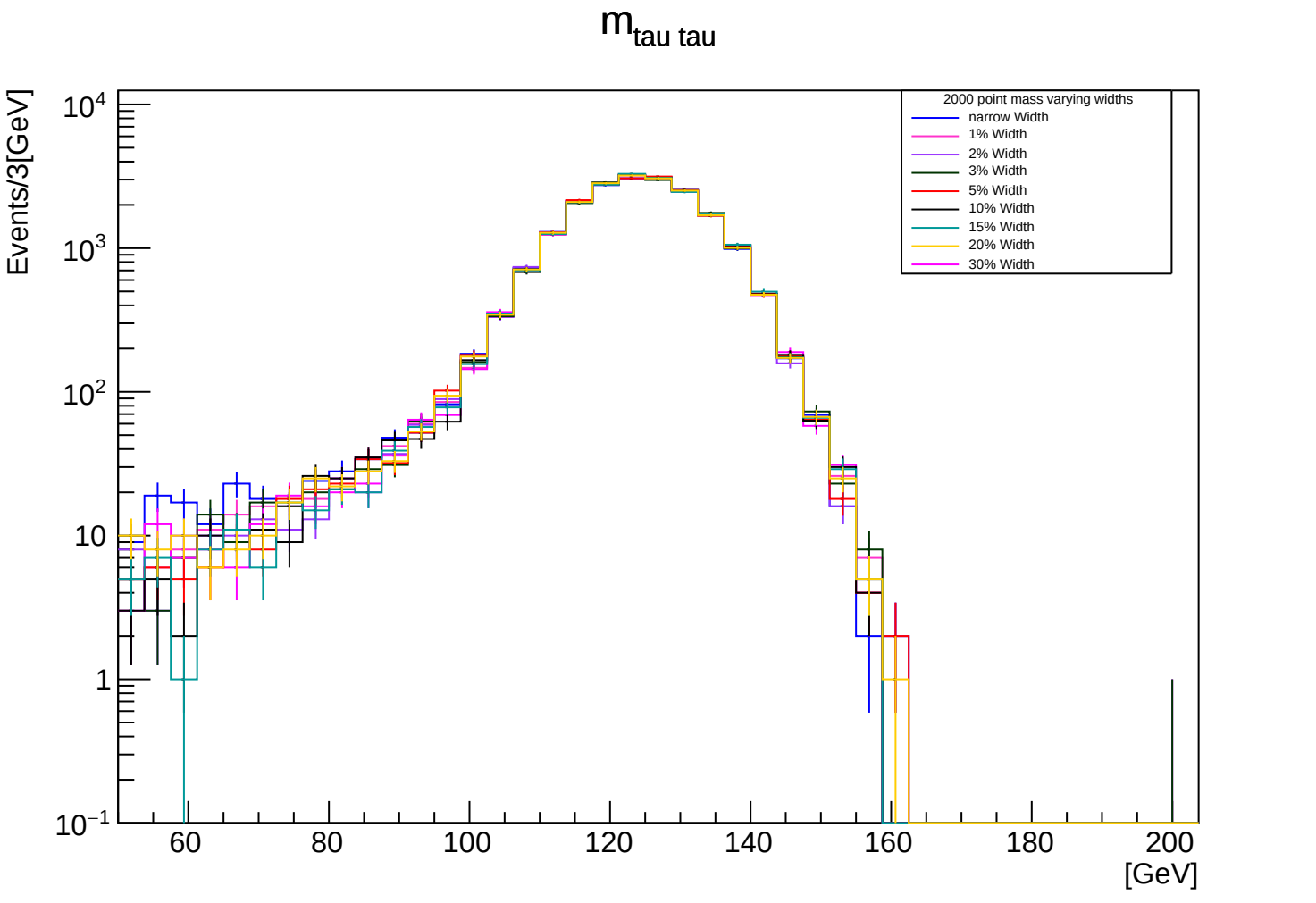
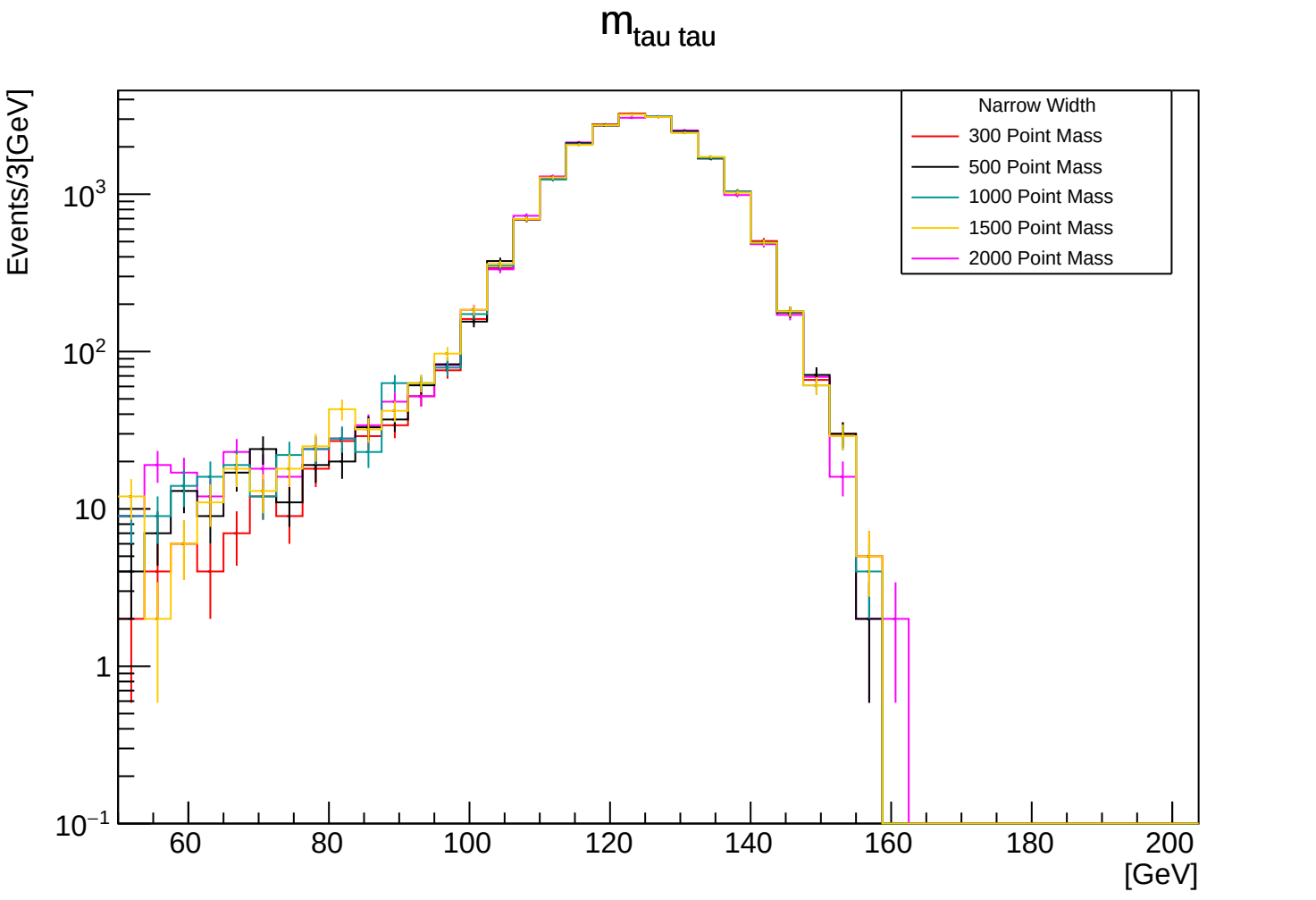

$m_{\text{tau tau}}$
Events/3[GeV]
10^3
10^2
10
1
10^{-1}
60
80
100
120
140
160
180
200
[GeV]
300 point mass varying widths
narrow Width
1% Width
2% Width
3% Width
5% Width
10% Width
15% Width
20% Width
30% Width

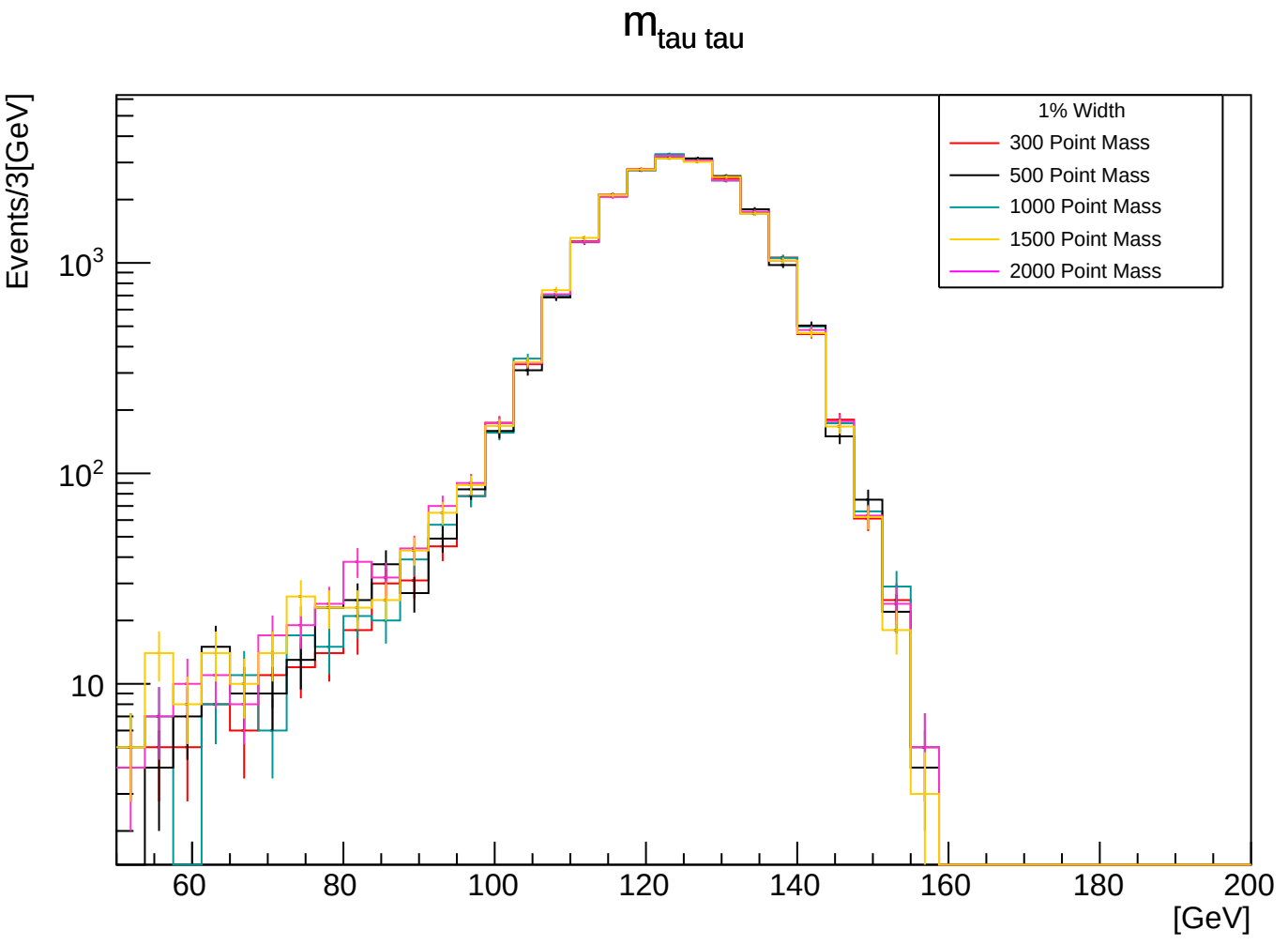

m tau tau
Events/3[GeV]
500 point mass varying widths
narrow Width
1% Width
2% Width
3% Width
5% Width
10% Width
15% Width
20% Width
30% Width
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

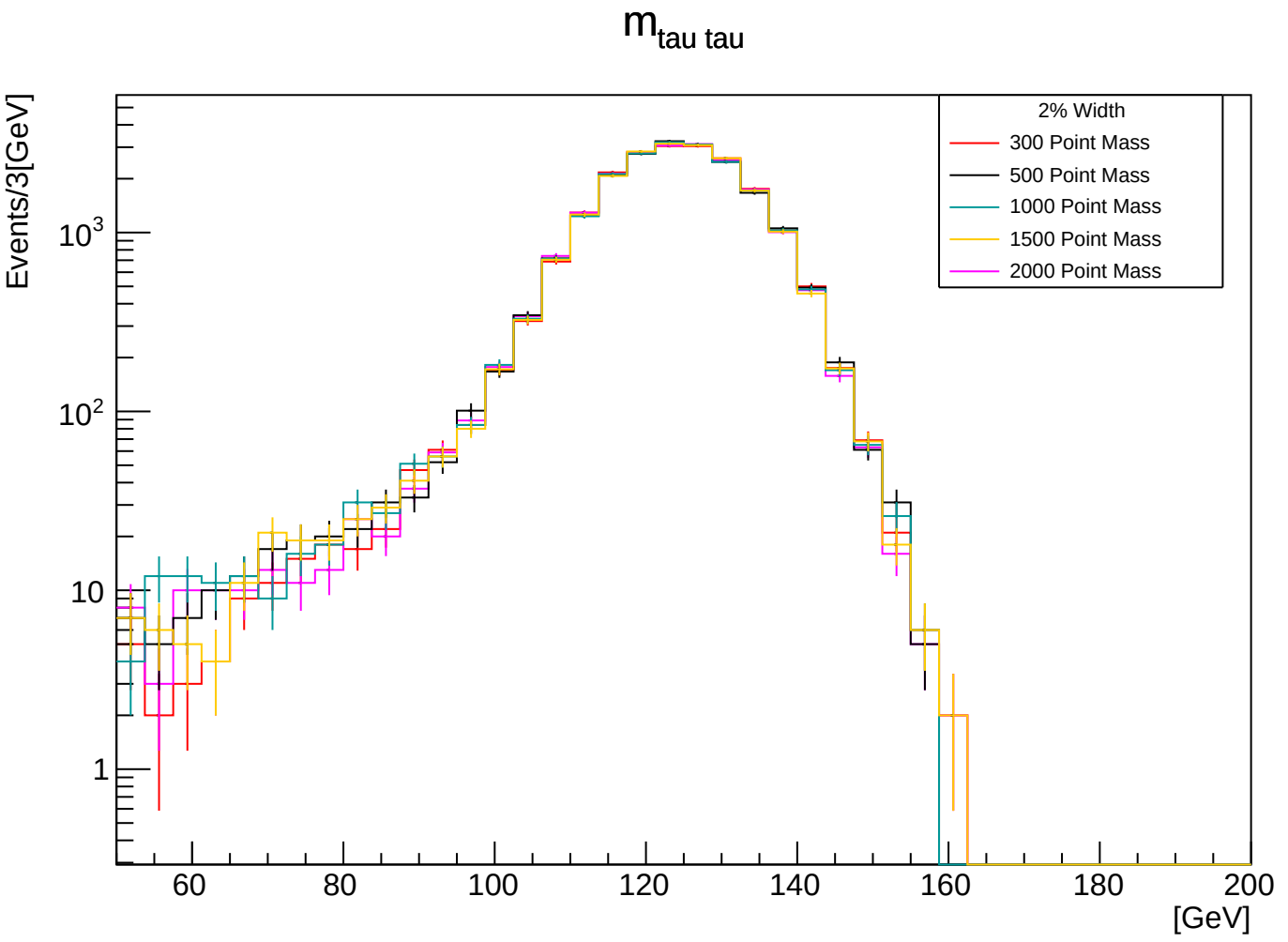

m tau tau
Events/3[GeV]
1000 point mass varying widths
narrow Width
1% Width
2% Width
3% Width
5% Width
10% Width
15% Width
20% Width
30% Width
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

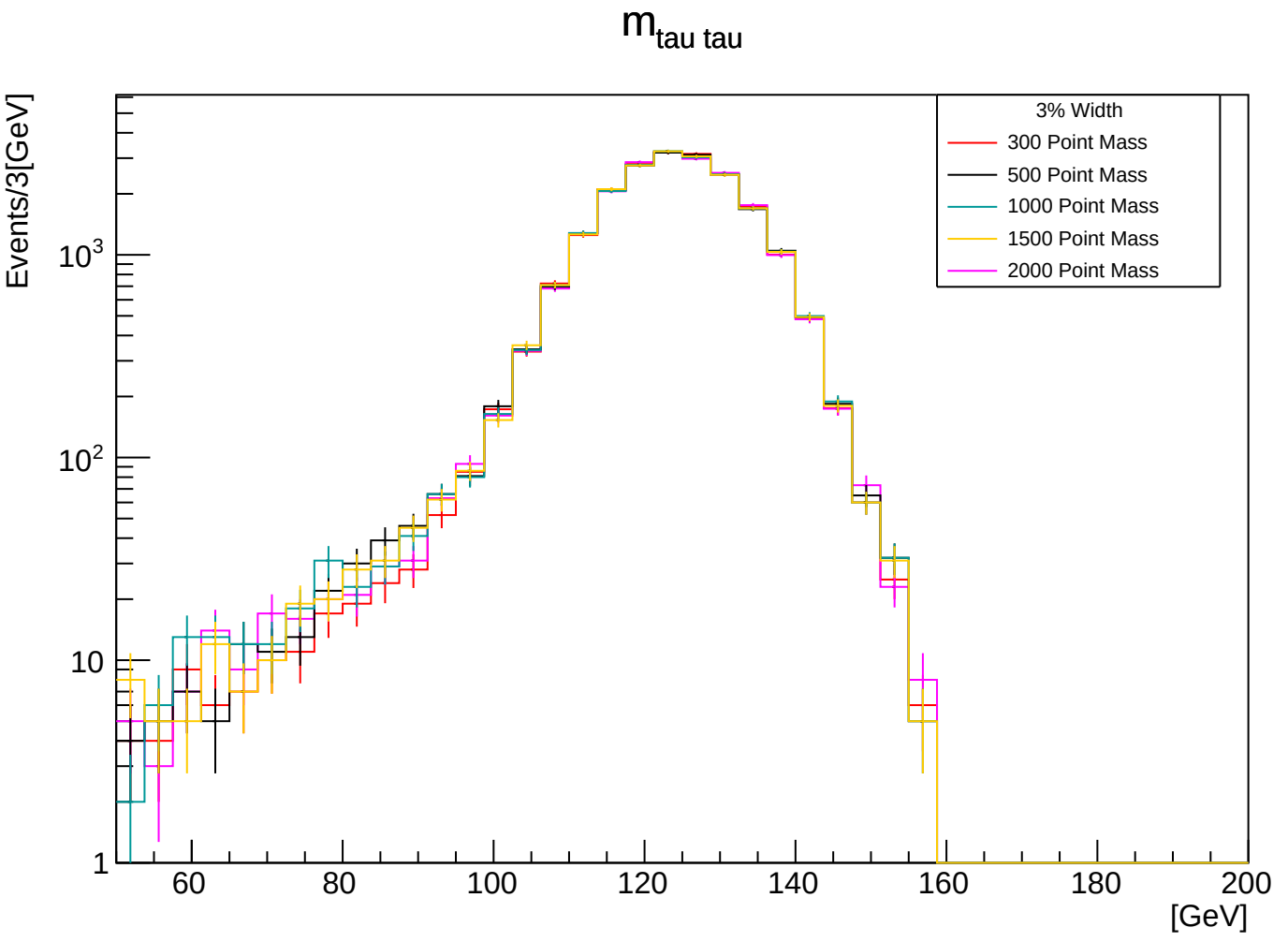

m tau tau
Events/3[GeV]
1500 point mass varying widths
narrow Width
1% Width
2% Width
3% Width
5% Width
10% Width
15% Width
20% Width
30% Width
10^4
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

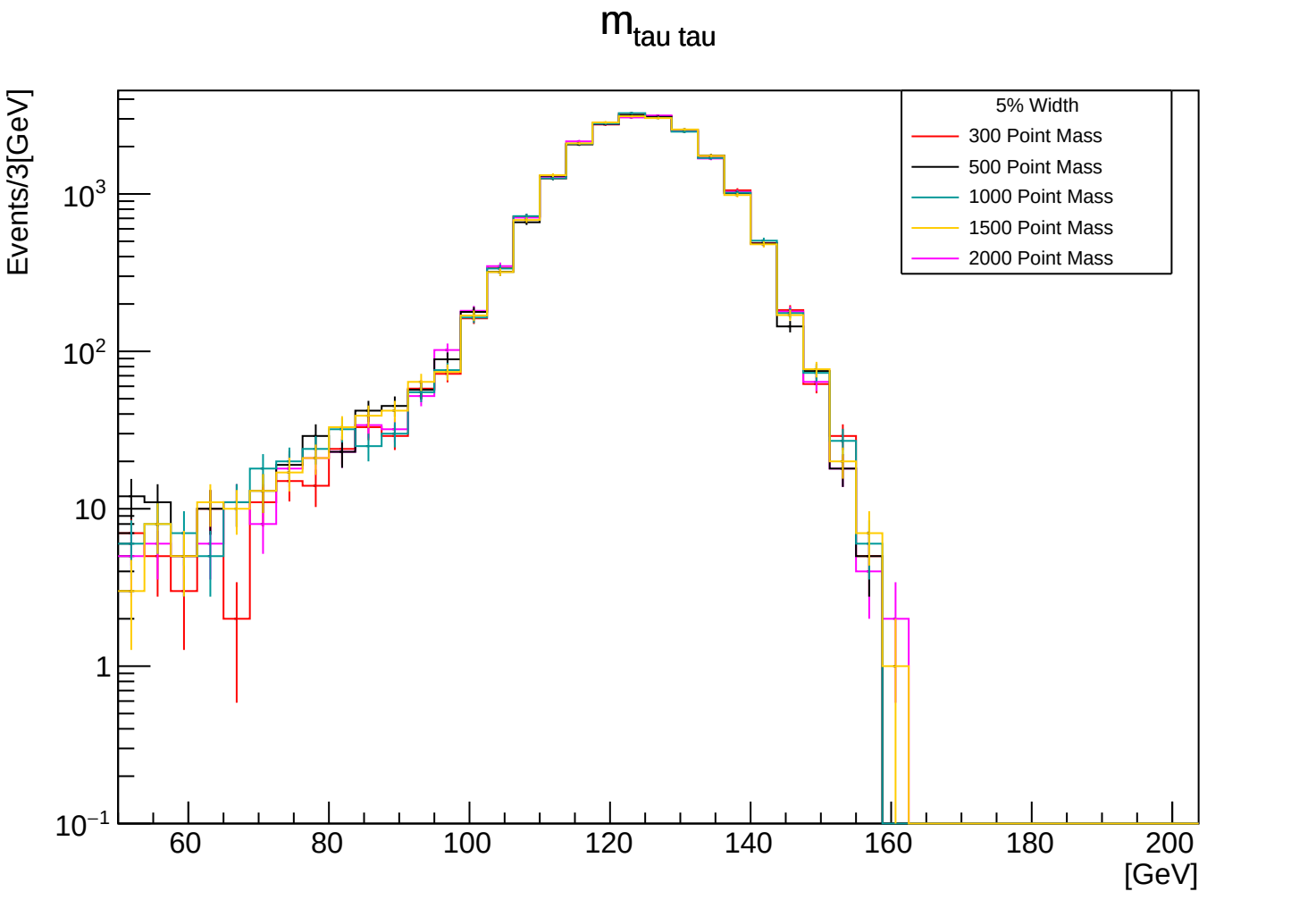

m tau tau
Events/3[GeV]
2000 point mass varying widths
narrow Width
1% Width
2% Width
3% Width
5% Width
10% Width
15% Width
20% Width
30% Width
[GeV]

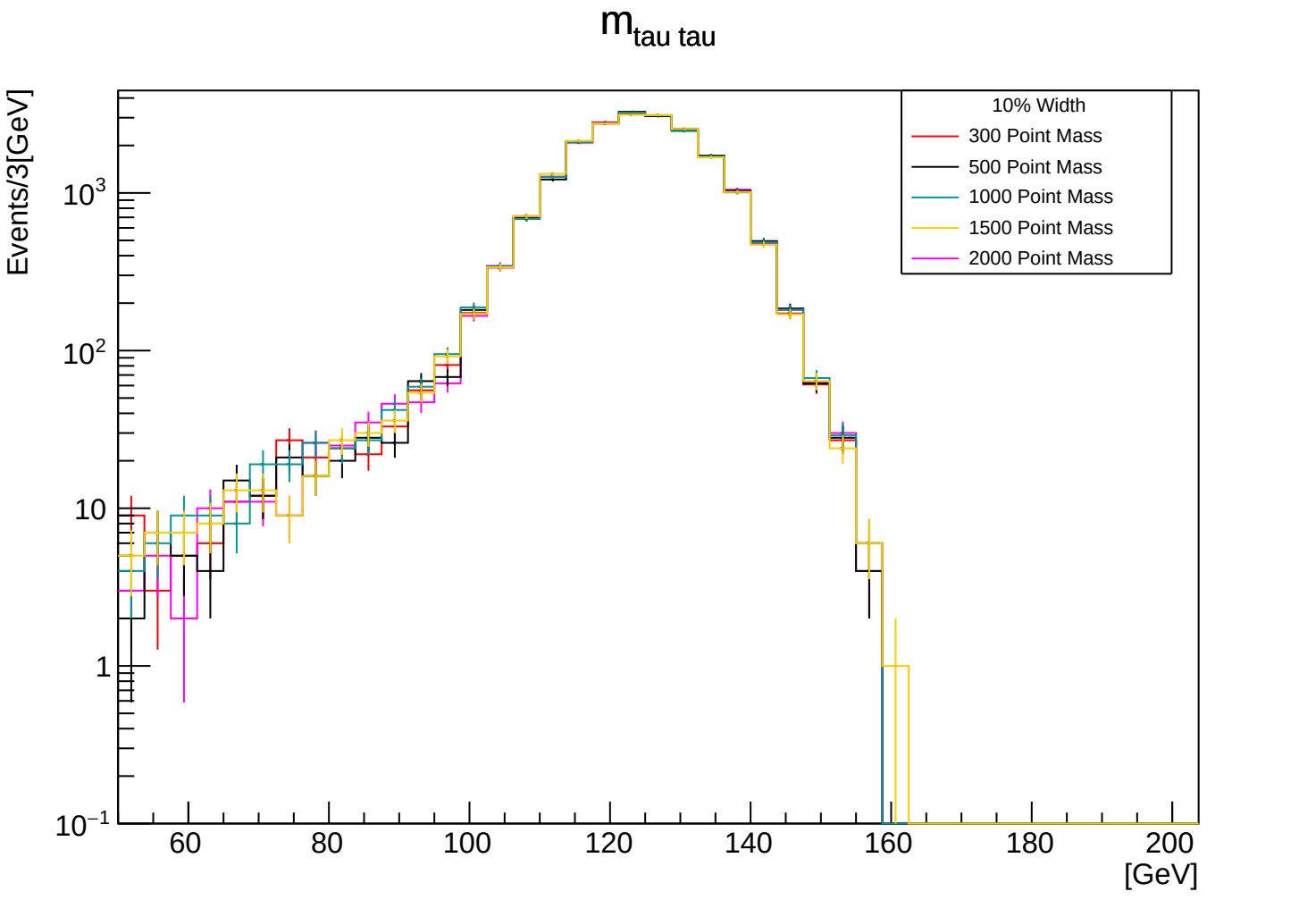

m tau tau
Events/3[GeV]
Narrow Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

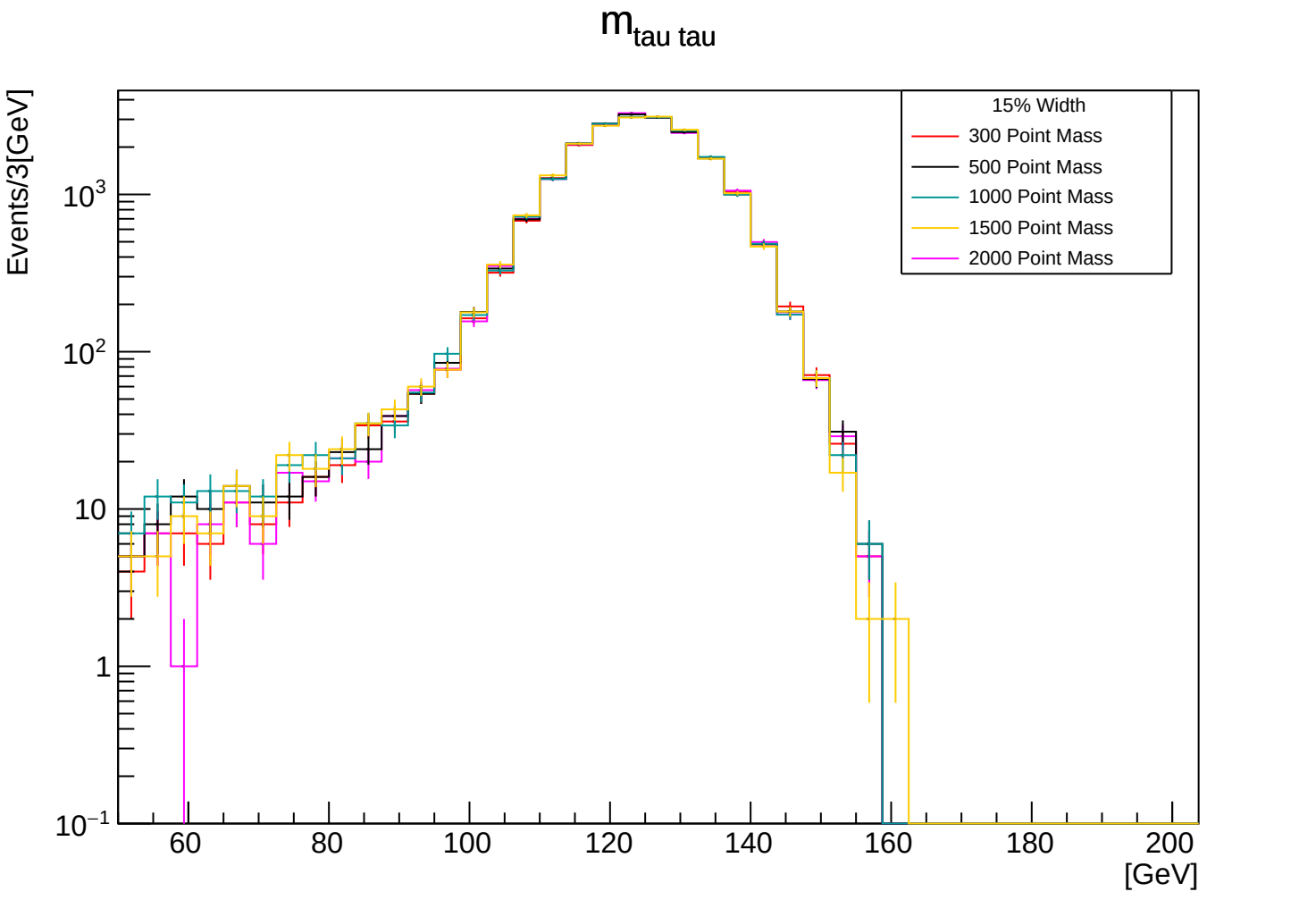

m tau tau
Events/3[GeV]
10^3
10^2
10
60
80
100
120
140
160
180
200
[GeV]
1% Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass

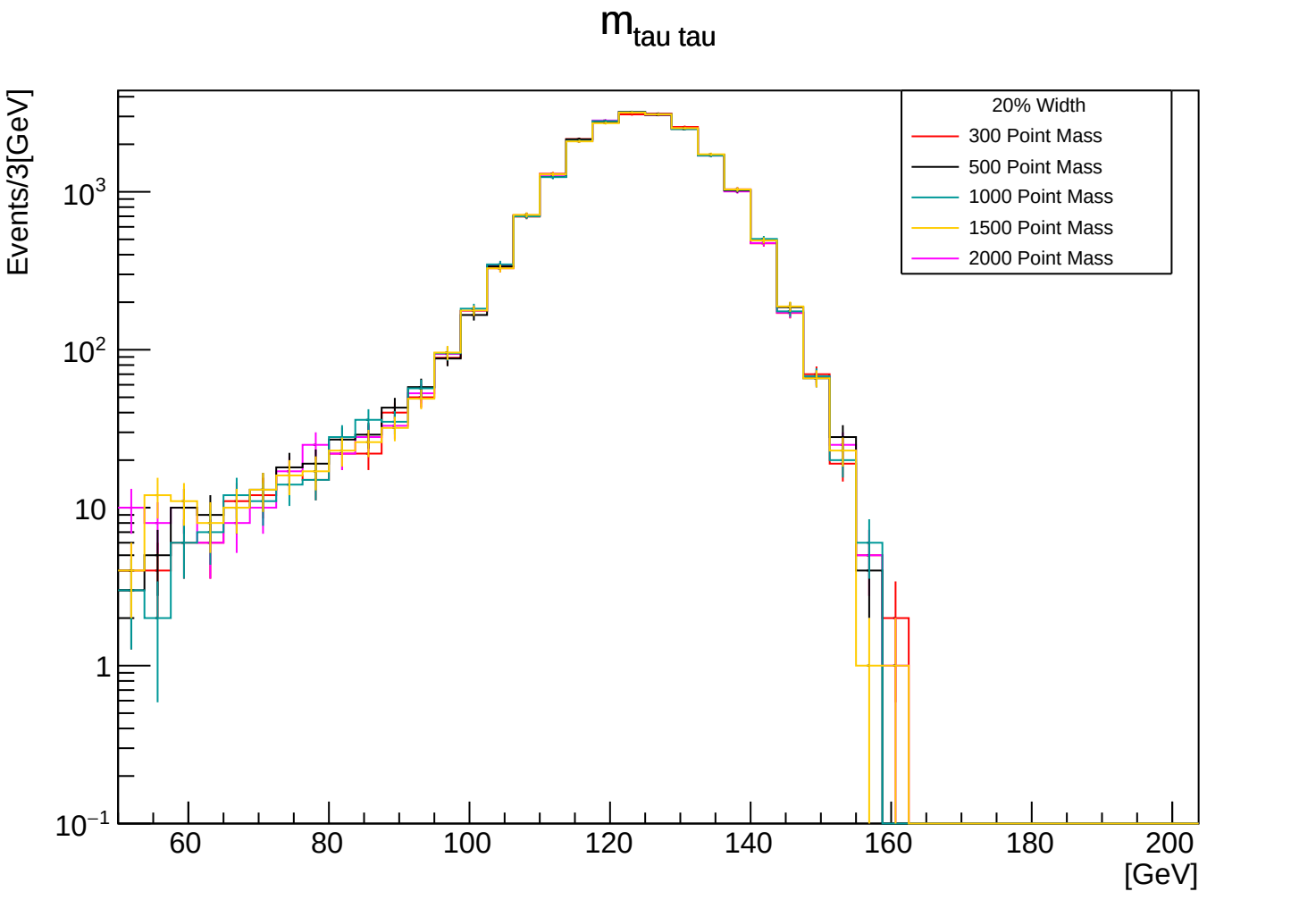

m tau tau
Events/3[GeV]
2% Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass
10^3
10^2
10
1
60
80
100
120
140
160
180
200
[GeV]

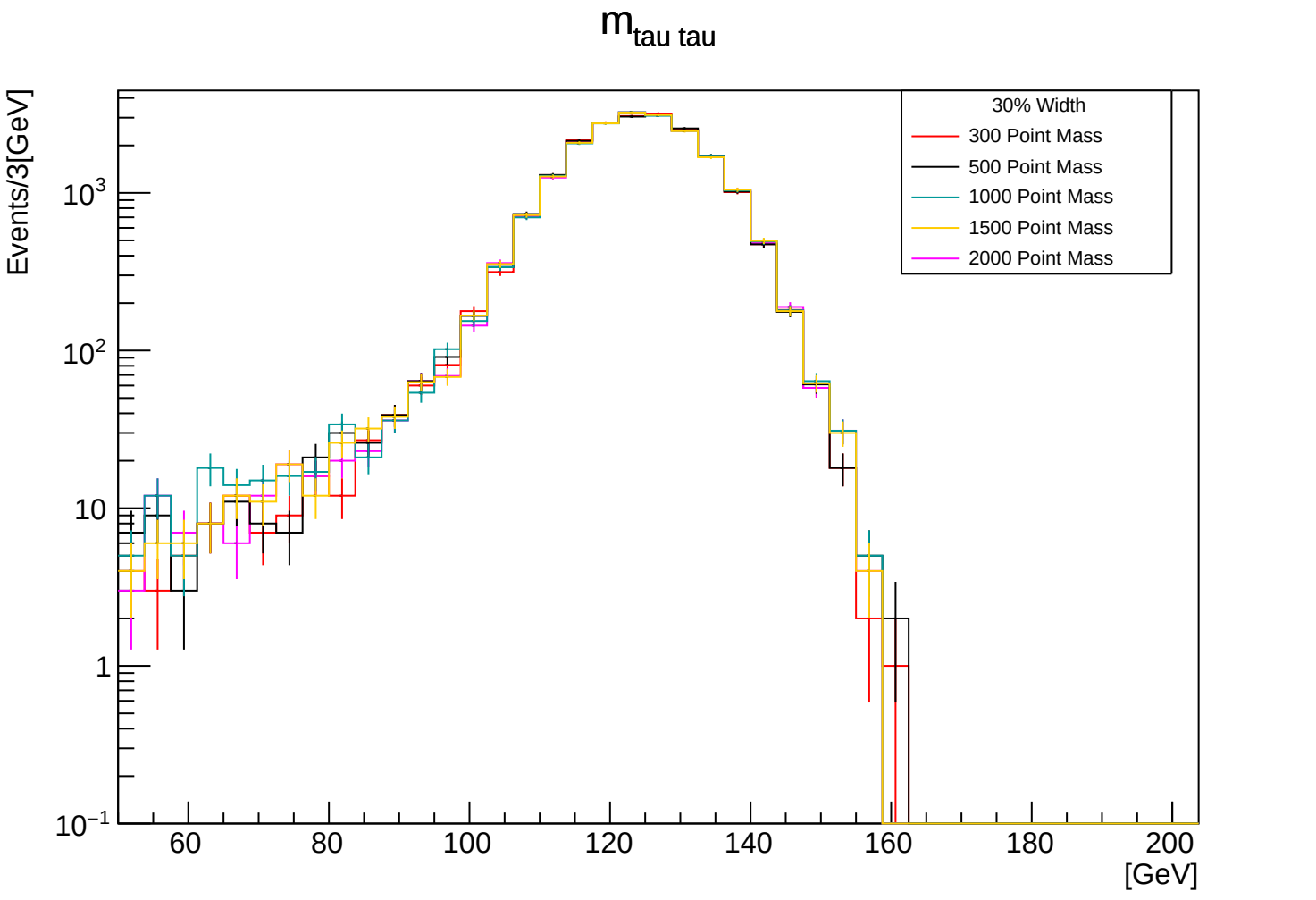

m tau tau
Events/3[GeV]
3% Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass
10^3
10^2
10
1
60
80
100
120
140
160
180
200
[GeV]

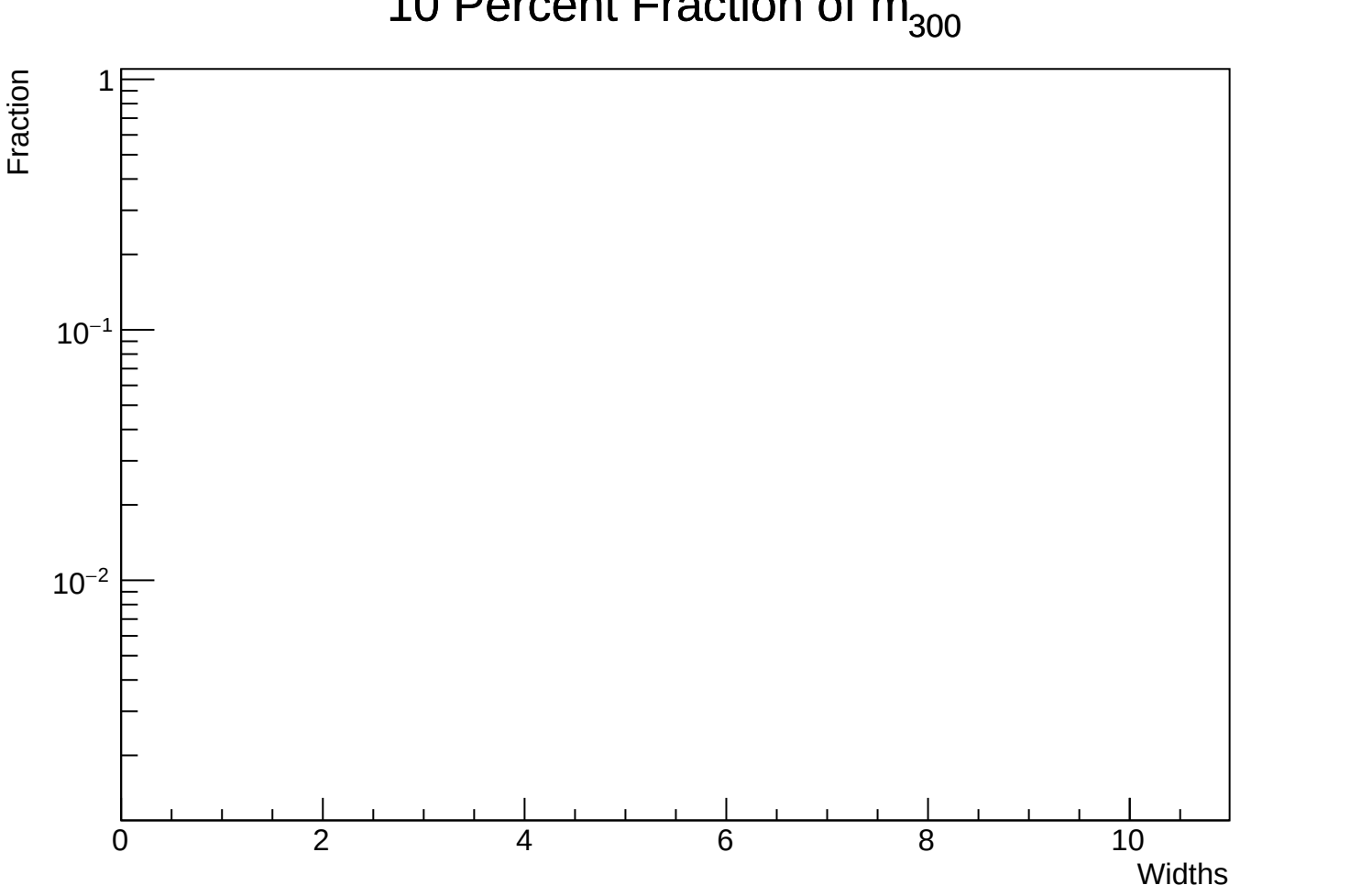

m tau tau
Events/3[GeV]
5% Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

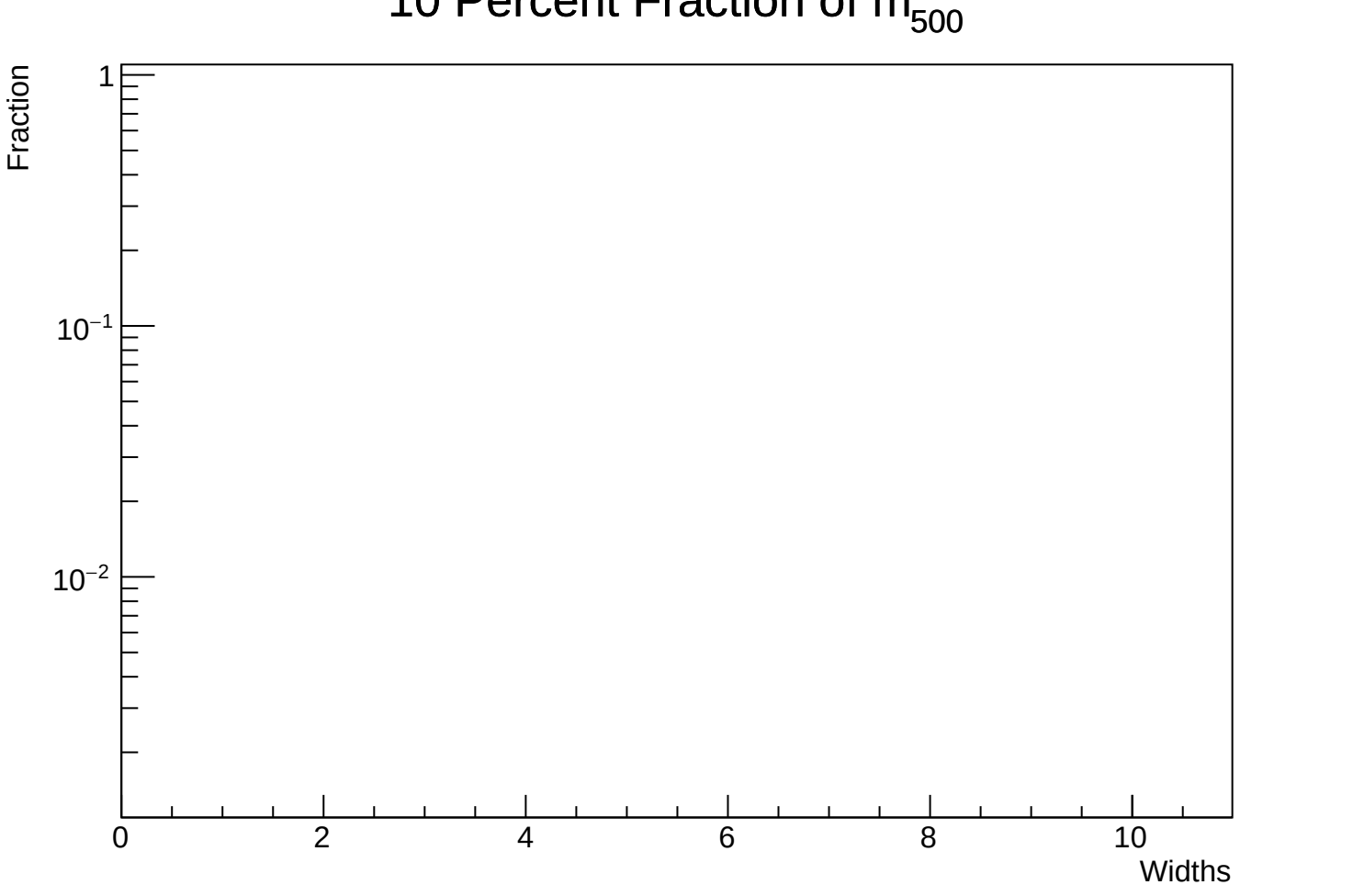

m tau tau
Events/3[GeV]
10% Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

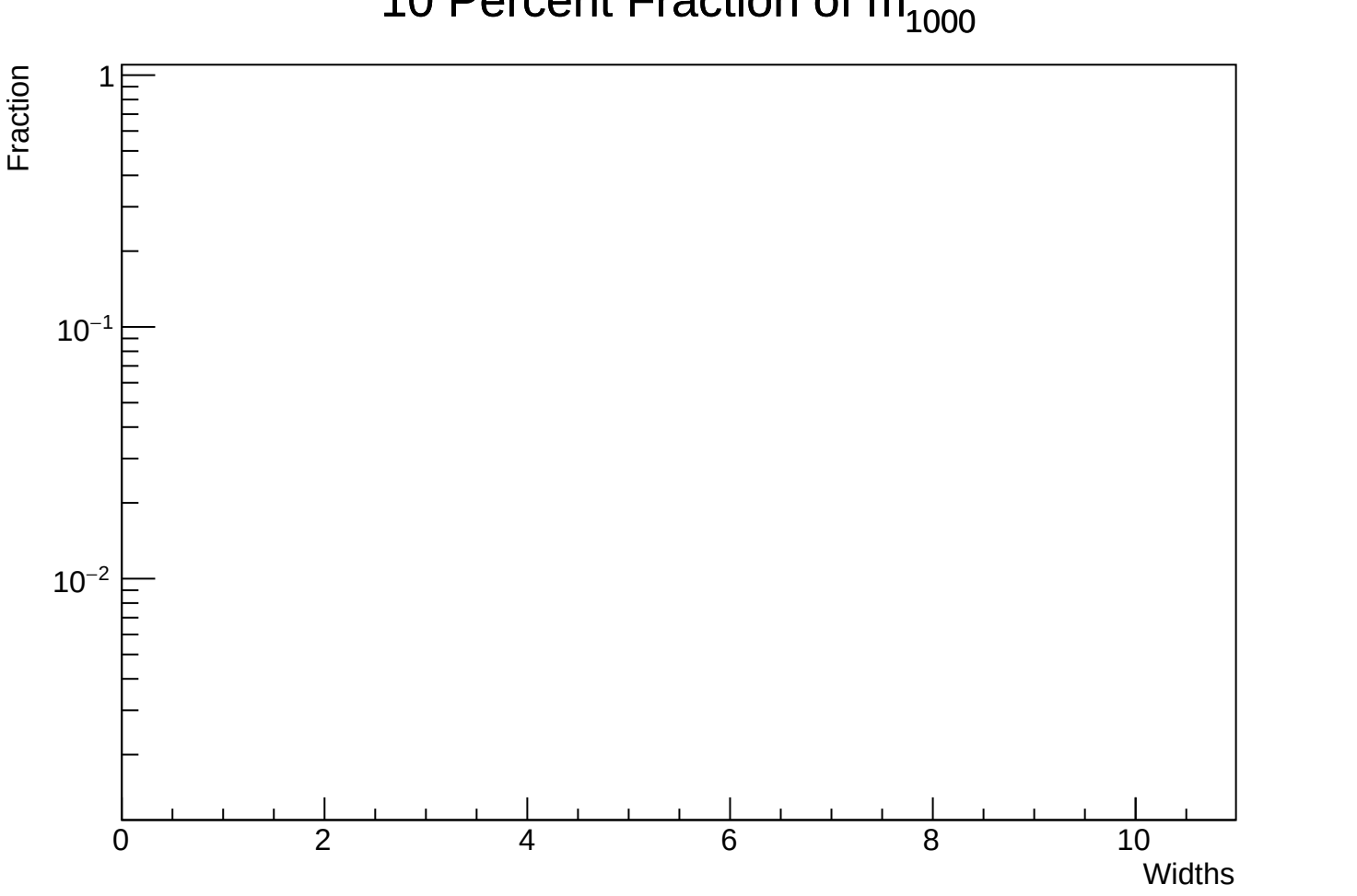

m tau tau
Events/3[GeV]
15% Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

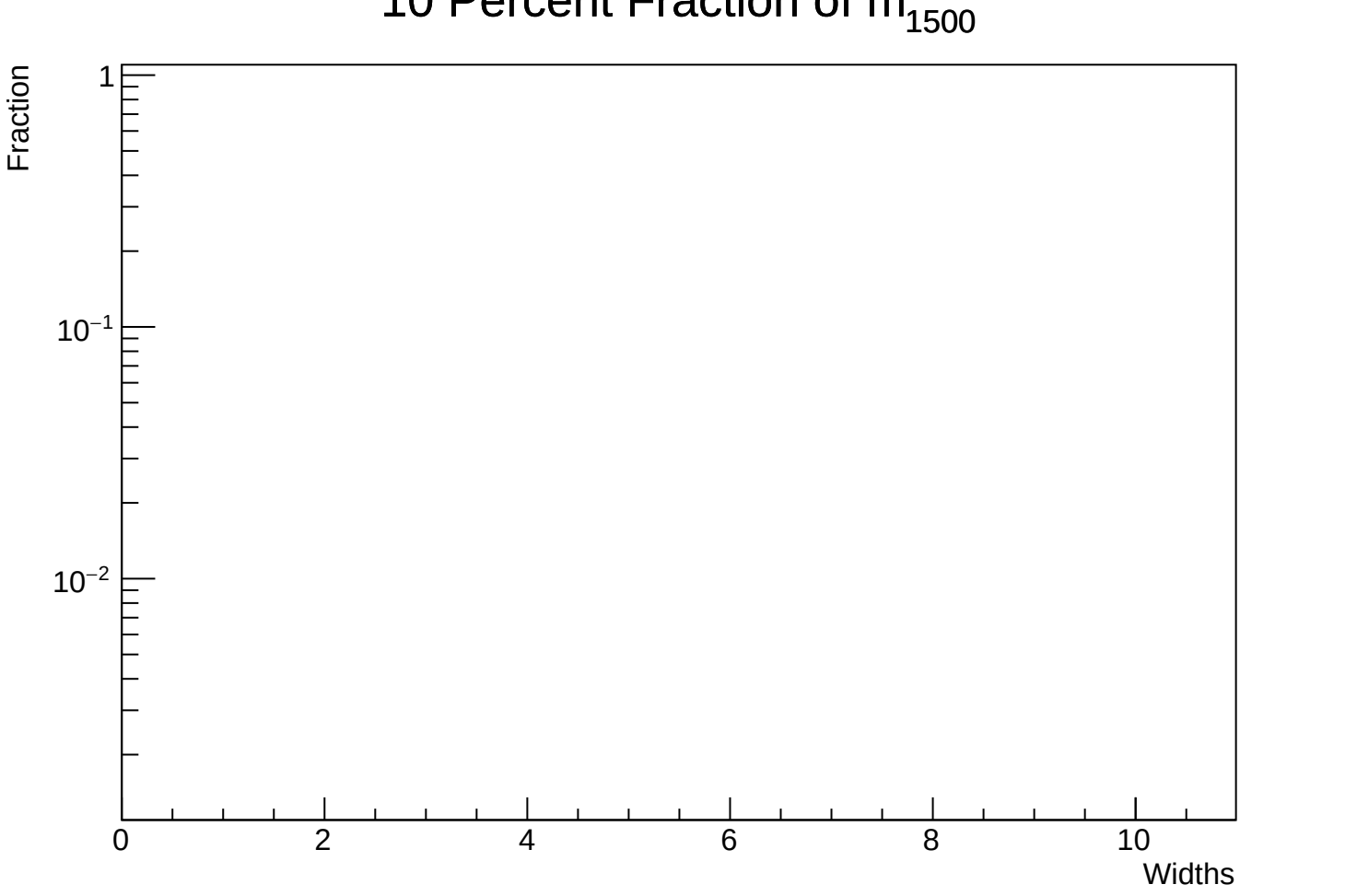

m tau tau
Events/3[GeV]
20% Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

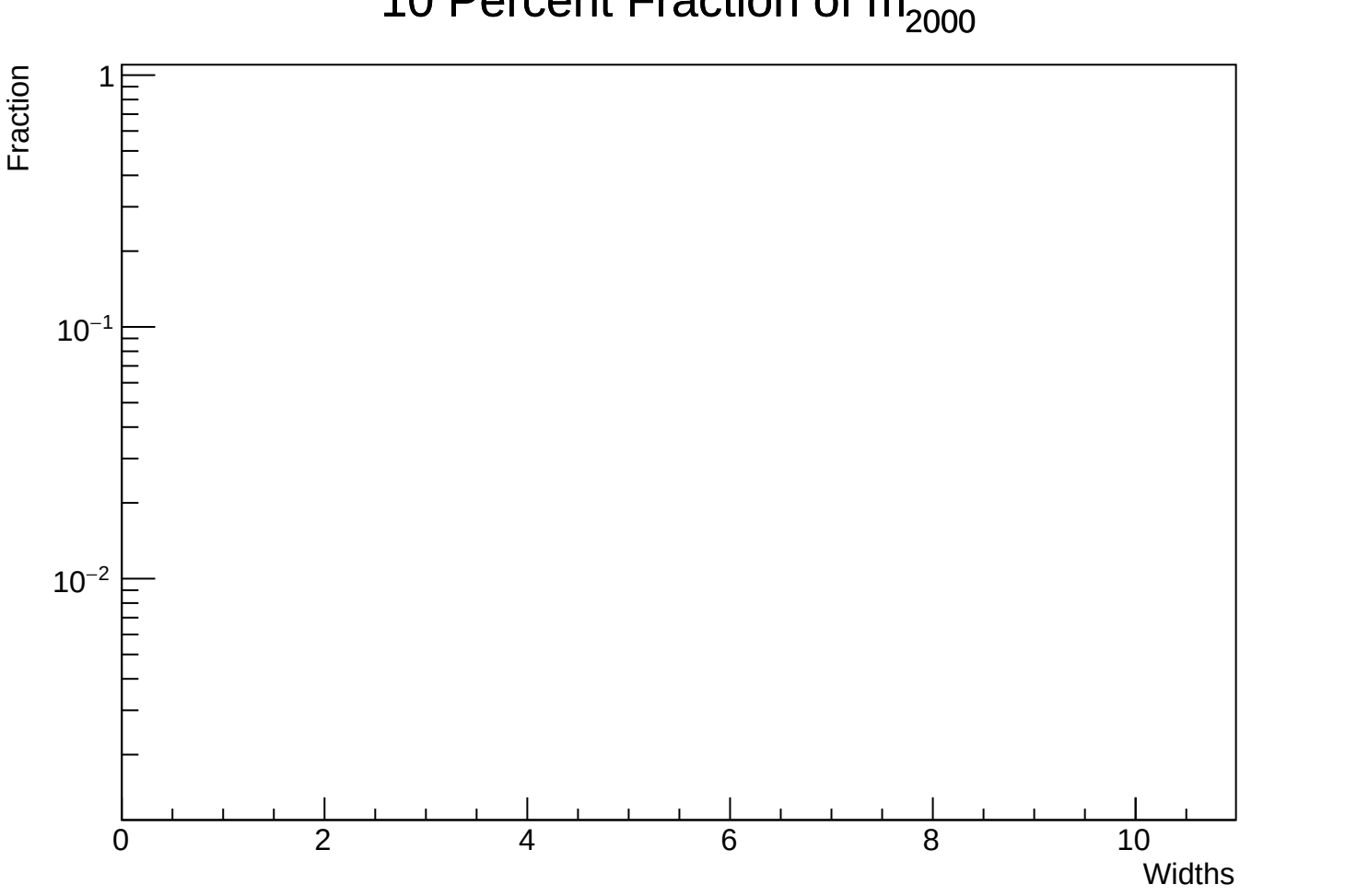

m tau tau
Events/3[GeV]
30% Width
300 Point Mass
500 Point Mass
1000 Point Mass
1500 Point Mass
2000 Point Mass
10^3
10^2
10
1
10^-1
60
80
100
120
140
160
180
200
[GeV]

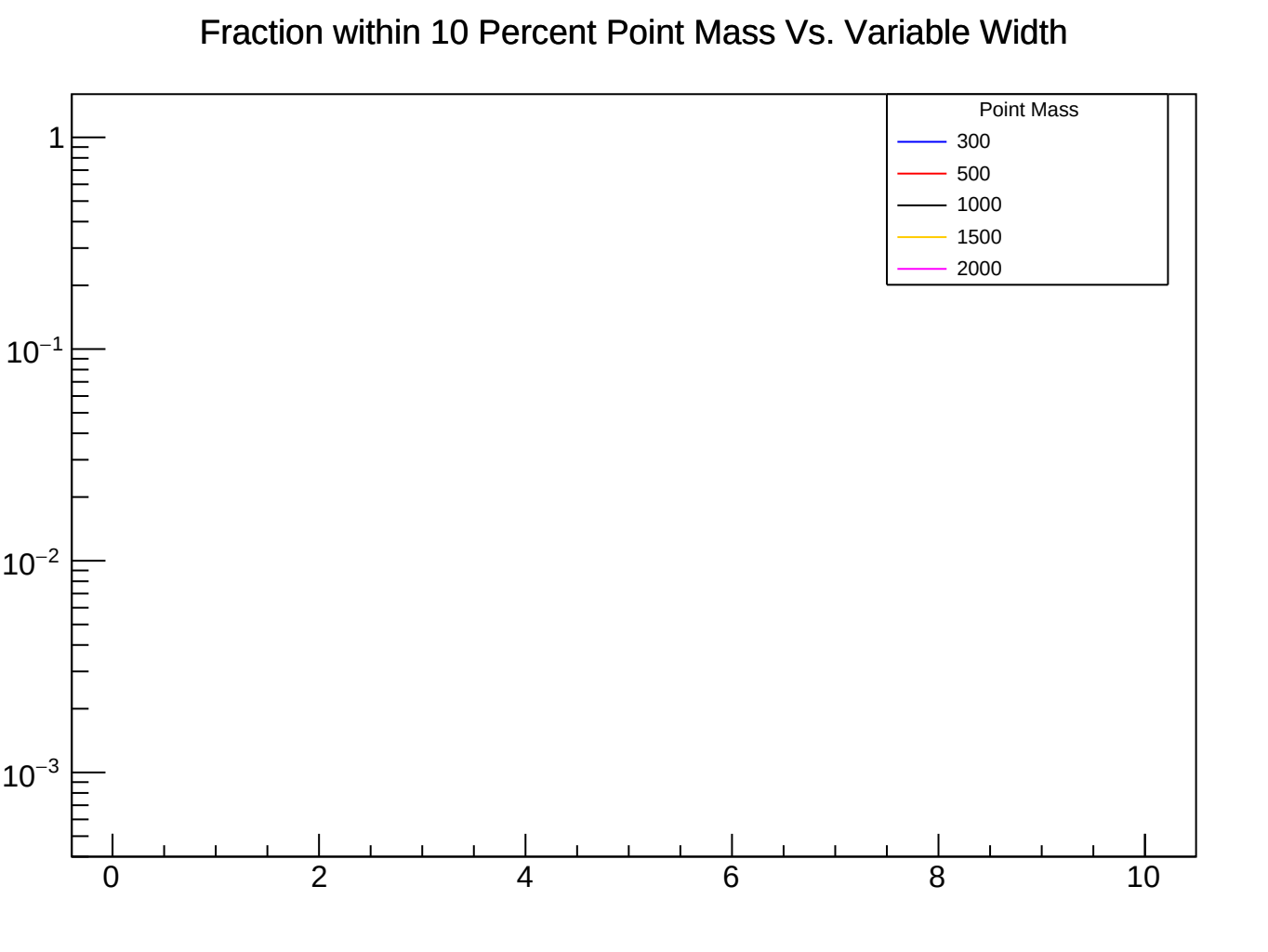

10 Percent Fraction of m300
Fraction
1
10−1
10−2
0
2
4
6
8
10
Widths


10 Percent Fraction of m500
Fraction
1
10−1
10−2
0
2
4
6
8
10
Widths


10 Percent Fraction of m1000
Fraction
1
10−1
10−2
0
2
4
6
8
10
Widths


10 Percent Fraction of m1500
Fraction
1
10−1
10−2
0
2
4
6
8
10
Widths


10 Percent Fraction of m2000
Fraction
1
10−1
10−2
0
2
4
6
8
10
Widths


Fraction within 10 Percent Point Mass Vs. Variable Width
Point Mass
300
500
1000
1500
2000
1
10^{-1}
10^{-2}
10^{-3}
0
2
4
6
8
10