

CMS*Preliminary**0l, b tag, VBF, sidebands region*300
200
10030
20
10
3
2
1
0.3
0.22
1.5
1
0.5
0

● Data

■ Z(ll) + jets

■ Z(vv) + jets

■ W(lv) + jets

■ t \bar{t}

■ t+X

■ VV, Vh

■ MC stat.

--- $m_{Z'} = 1000$ GeV--- $m_{Z'} = 2000$ GeV--- $m_{Z'} = 3000$ GeV

HVT model B (x1)

Data/Bkg = 1.031 ± 0.084 $\chi^2/\text{ndf} = 0.59$, K-S = 0.752

1000 1500 2000 2500 3000 3500 4000 4500 5000 5500

 m_X (GeV)