

CMS*Preliminary****1e1 μ , b tag, no VBF, top control region***300
200
100
30
20
10
3
2
1
0.3
0.2
0.1

● 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)

2
1.5
1
0.5
0Data/Bkg = 1.044 ± 0.079 $\chi^2/\text{ndf} = 1.78$, K-S = 0.408

1000 1500 2000 2500 3000 3500 4000 4500 5000 5500

 m_X (GeV)