

EVENTS

CMS*Preliminary****2 μ , b tag, no VBF, sidebands region***300
200
100
30
20
10
3
2
1
0.3

● 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)

0.3

2
1.5
1
0.5
0Data/Bkg = 1.021 ± 0.055 $\chi^2/\text{ndf} = 1.09$, K-S = 0.476AK8 jet p_T (GeV)