

EVENTS

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

● Data

■ Z(ll) + jets

■ Z($\nu\nu$) + jets■ W(l ν) + 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)

2000
1800
1600
1400
1200
1000
800
600
400
2002
1.5
1
0.5
0Data/Bkg = 1.201 \pm 0.066 $\chi^2/\text{ndf} = 0.76$, K-S = 0.091Z p_T (GeV)