

EVENTS

CMS*Preliminary**0l, b tag, VBF, sidebands region*300
200
100
30
20
10
3
2
1
0.3

● Data

■ Z(l \bar{l}) + jets■ Z($\nu\nu$) + jets■ W(l $\bar{\nu}$) + 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 = 1.167 ± 0.077 $\chi^2/\text{ndf} = 1.08$, K-S = 0.024

200 400 600 800 1000 1200 1400 1600 1800 2000

Z p_T (GeV)