

**CMS***Preliminary****0l, no b tag, VBF, sidebands region***2000  
1000200  
10020  
102  
1

0.2

● 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

0

1000 1500 2000 2500 3000 3500 4000 4500 5000 5500

 $m_X$  (GeV)Data/Bkg =  $1.019 \pm 0.026$  $\chi^2/\text{ndf} = 12.85$ , K-S = 1.000