

CMS*Preliminary****2e, b tag, VBF, sidebands region***

300

200

100

30

20

10

3

2

1

0.3

0.3

0.3

0.3

0.3

0.3

0.3

0.3

0.3

0.3

0.3

0.3

0.3

0.3

0.3

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)

Data/Bkg = 1.004 ± 0.124

 $\chi^2/\text{ndf} = 0.51$, K-S = 1.000number of μ 