

**CMS***Preliminary****2μ, no b tag, VBF, sidebands region***2000  
1000200  
10020  
102  
1

0.2

● Data

■ Z(ll) + jets

■ Z(νν) + jets

■ W(lν) + jets

■ t $\bar{t}$ 

■ t+X

■ VV, Vh

■ MC stat.

▨ m<sub>Z'</sub> = 1000 GeV▨ m<sub>Z'</sub> = 2000 GeV▨ m<sub>Z'</sub> = 3000 GeV

HVT model B (x1)

2

1.5

1

0.5

0

Data/Bkg = 0.901 ± 0.034

 $\chi^2/\text{ndf} = 1.57$ , K-S = 1.000

-0.5 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5

number of e