

2016, 35.9 fb<sup>-1</sup> (13 TeV)

EVENTS

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

300

200

100

30

20

10

3

2

1

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)

2

1.5

1

0.5

0

Data/Bkg =  $0.749 \pm 0.048$  $\chi^2/\text{ndf} = 0.95$ , K-S = 0.126 $\cancel{E}_T$  (GeV)