

2016, 35.9 fb⁻¹ (13 TeV)

EVENTS

CMS*Preliminary****2e, no b tag, VBF, sidebands region***

300

200

100

30

20

10

3

2

1

0.3

● Data

■ Z(ll) + jets

■ Z(νν) + jets

■ W(lν) + 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 = 0.764 ± 0.050

 $\chi^2/\text{ndf} = 0.93$, K-S = 0.184 \cancel{E}_T (GeV)