

2018, 59.7 fb⁻¹ (13 TeV)

EVENTS

CMS

Preliminary

0l, b tag, VBF, sidebands region

300
200
100
30
20
10
3
2
1
0.3

● Data

Z(l \bar{l}) + jets

Z($\nu\nu$) + jets

W(l ν) + 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 = 1.581 ± 0.151

$\chi^2/\text{ndf} = 0.57$, K-S = 0.554

1000 1500 2000 2500 3000 3500 4000 4500 5000 5500

m_X (GeV)

