

2016, 35.9 fb⁻¹ (13 TeV)

CMS

Preliminary

2 μ , no b tag, no VBF, sidebands region

2000
1000

200
100

20
10

0.2

• 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 = 1.028 ± 0.026

$\chi^2/\text{ndf} = 3.60$, K-S = 0.990

1000 1500 2000 2500 3000 3500 4000 4500 5000 5500

m_X (GeV)

