

2018, 59.7 fb⁻¹ (13 TeV)

EVENTS

CMS

Preliminary

2 μ , b tag, no VBF, sidebands region

● 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)

300
200
100
30
20
10
3
2
1
0.3

0

1

2

3

4

5

6

number of AK4 jets

Data/Bkg = 1.343 \pm 0.10

$\chi^2/\text{ndf} = 1.01$, K-S = 0.999

2
1.5
1
0.5
0