

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

**CMS**

*Preliminary*

**2 $\mu$ , VBF, sidebands region**

2000  
1000

200  
100

20  
10

2  
1

0.2

• Data

Z(l $\bar{l}$ ) + jets

Z( $\nu\nu$ ) + jets

W(l $\nu$ ) + 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)

Data/Bkg =  $0.757 \pm 0.037$

$\chi^2/\text{ndf} = 0.00$ , K-S = 1.000

2  
1.5  
1  
0.5  
0

-0.5 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5

number of  $\tau$

