

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

EVENTS

**CMS**

*Preliminary*

***0l, b tag, VBF, sidebands region***

• 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)

300  
200  
100

30  
20  
10

3  
2  
1

0.3  
0.2

1.5  
1  
0.5  
0

Data/Bkg = 0.914  $\pm$  0.108

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

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

number of  $\tau$

