

2017, 41.5 fb<sup>-1</sup> (13 TeV)

Events

**CMS**

*Preliminary*

***2e, b tag, VBF, sidebands region***

40  
30  
20  
10  
4  
3  
2  
1  
0.4  
0.3

● Data

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

Z( $\nu\nu$ ) + jets

W(l $\nu$ ) + jets

$t\bar{t}$

t+X

VV, Vh

MC stat.

m<sub>Z'</sub> = 1000 GeV

m<sub>Z'</sub> = 2000 GeV

m<sub>Z'</sub> = 3000 GeV

HVT model B (x1)

2  
1.5  
1  
0.5  
0

Data/Bkg = 1.344  $\pm$  0.345

$\chi^2/\text{ndf} = 425.48$ , K-S = 0.134

1000 1500 2000 2500 3000 3500 4000 4500 5000 5500

m<sub>X</sub> (GeV)

