

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

EVENTS

**CMS**

*Preliminary*

***2e, b tag, no 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

2  
1.5  
1  
0.5  
0

0 1 2 3 4 5 6

number of AK8 jets

Data/Bkg =  $1.143 \pm 0.140$

$\chi^2/\text{ndf} = 0.05$ , K-S = 1.000

