

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

EVENTS

**CMS**

*Preliminary*

**2 $\mu$ ,  $b$  tag, no VBF, sidebands region**

- Data
- Z(ll) + jets
- Z(vv) + jets
- W(lv) + 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 = 1.070  $\pm$  0.108

$\chi^2/\text{ndf} = 4.09$ , K-S = 1.000

