

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

EVENTS

**CMS**

*Preliminary*

**2e, VBF, sidebands region**

300  
200  
100  
30  
20  
10  
3  
2  
1  
0.3  
0.2  
0.1

● 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)

2000  
1800  
1600  
1400  
1200  
1000  
800  
600  
400  
200

Data/Bkg =  $0.737 \pm 0.041$

$\chi^2/\text{ndf} = 0.73$ , K-S = 0.891

1.5  
1.0  
0.5  
0

AK8 jet p<sub>T</sub> (GeV)

