

2018, 59.7 fb<sup>-1</sup> (13 TeV)

EVENTS

**CMS**

*Preliminary*

**2 $\mu$ ,  $b$  tag, 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)

200  
100  
30  
20  
10  
3  
2  
1  
0.3

2  
1.5  
1  
0.5  
0

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

number of  $\mu$

Data/Bkg =  $0.854 \pm 0.156$

$\chi^2/\text{ndf} = 0.56$ , K-S = 0.998

