

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

EVENTS

**CMS**

*Preliminary*

***0l, 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<sub>Z'</sub> = 1000 GeV

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

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

HVT model B (x1)

200  
100  
30  
20  
10  
3  
2  
1  
0.3

2  
1.5  
1  
0.5  
0

200 400 600 800 1000 1200 1400 1600 1800 2000

$\cancel{E}_T$  (GeV)

Data/Bkg = 1.25 ± 0.145

$\chi^2/\text{ndf} = 22.15$ , K-S = 0.003