

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

**CMS**

*Preliminary*

*0l, VBF, sidebands region*

2000

1000

200

100

20

10

2

1

0.2

• 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)

2

1.5

1

0.5

0

Data/Bkg = 0.997 ± 0.027

$\chi^2/\text{ndf} = 0.52$ , K-S = 0.905

1000 1500 2000 2500 3000 3500 4000 4500 5000 5500

m<sub>X</sub> (GeV)