

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

**CMS**

*Preliminary*

***0l, no b tag, VBF, sidebands region***

• Data

Z(l $\bar{l}$ ) + jets

Z( $\nu\nu$ ) + jets

W(l $\nu$ ) + jets

$t\bar{t}$

t+X

VV, Vh

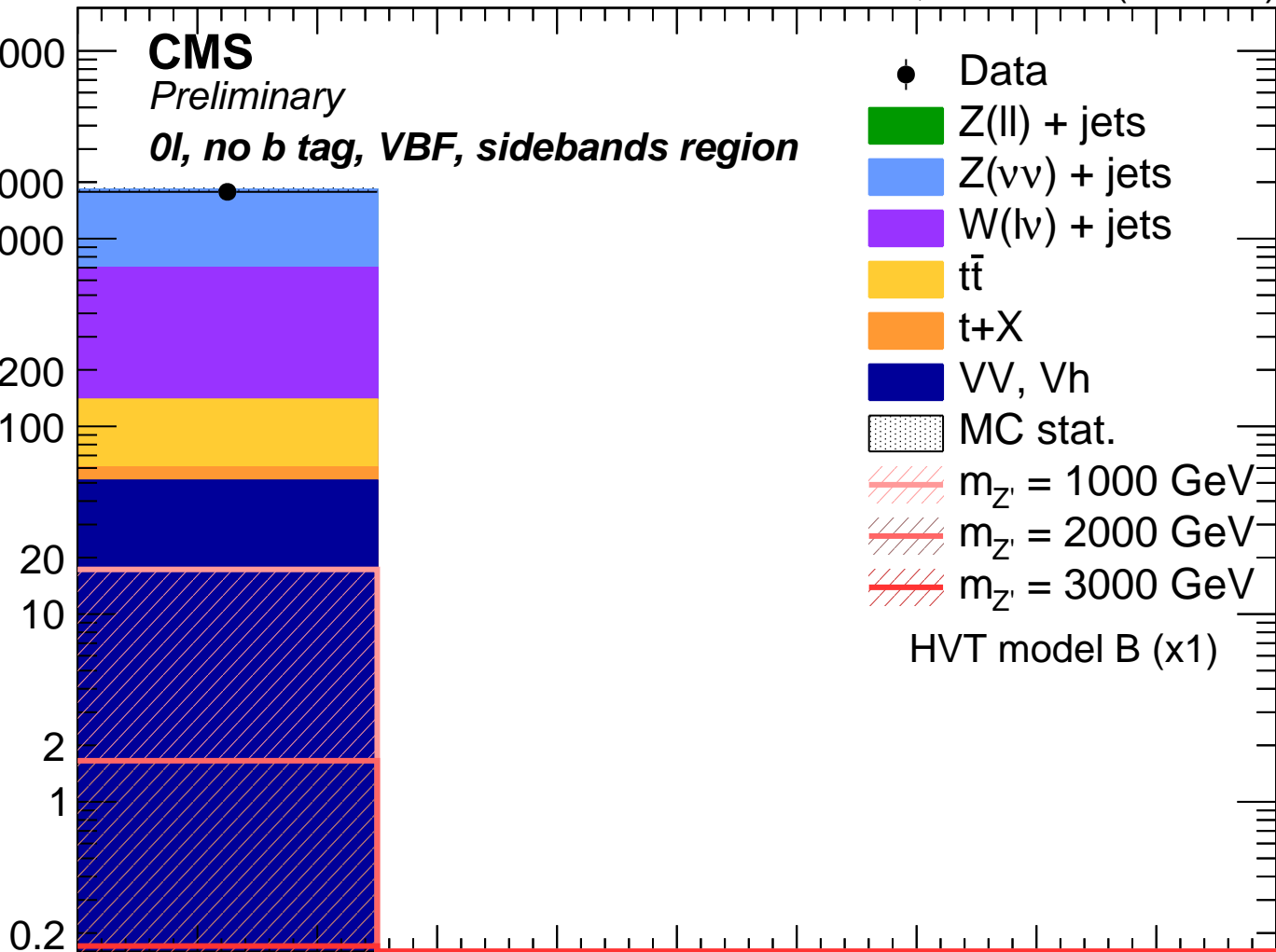
MC stat.

$m_{Z'} = 1000$  GeV

$m_{Z'} = 2000$  GeV

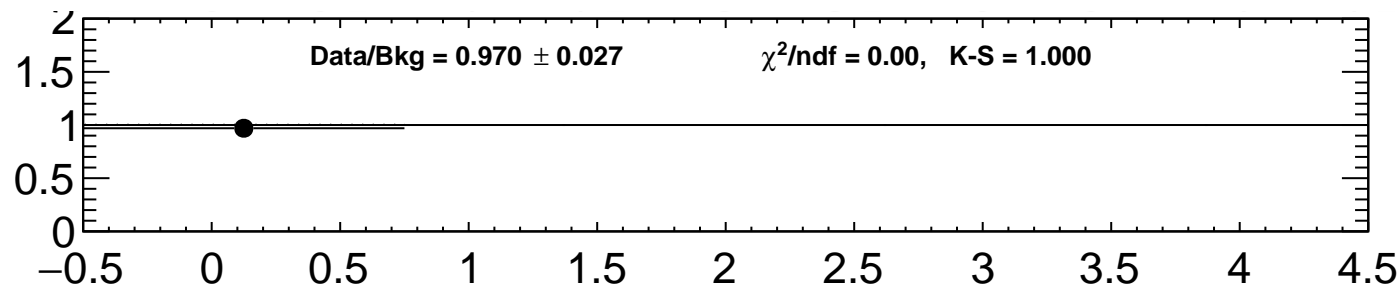
$m_{Z'} = 3000$  GeV

HVT model B (x1)



Data/Bkg =  $0.970 \pm 0.027$

$\chi^2/\text{ndf} = 0.00$ , K-S = 1.000



number of  $\tau$