

2017, 41.5 fb<sup>-1</sup> (13 TeV)

Events

**CMS**

*Preliminary*

**2 $\mu$ ,  $b$  tag, no VBF, sidebands region**

• Data

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

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

W(l $\bar{\nu}$ ) + jets

$t\bar{t}$

$t+X$

VV, Vh

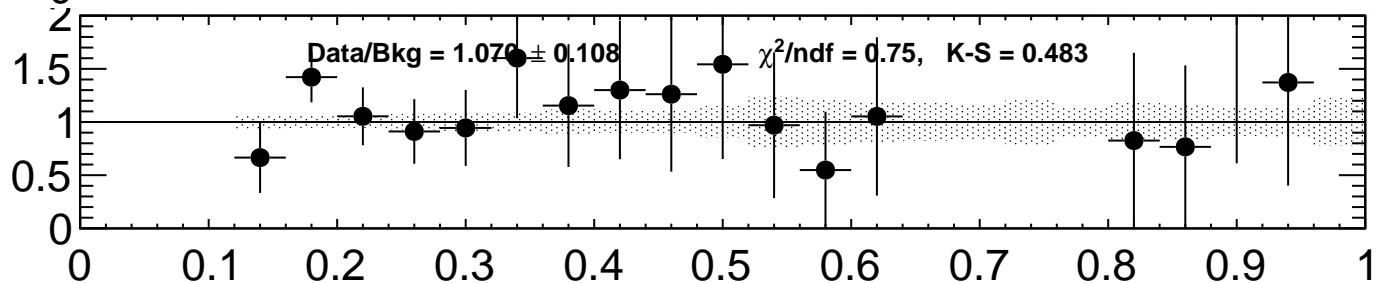
MC stat.

$m_{Z'} = 1000$  GeV

$m_{Z'} = 2000$  GeV

$m_{Z'} = 3000$  GeV

HVT model B (x1)



AK8 jet subjet2 DeepCSV