

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

Events

**CMS**

*Preliminary*

**2 $\mu$ , VBF, sidebands region**

• Data

Z(ll) + jets

Z(vv) + jets

W(lv) + jets

t $\bar{t}$

t+X

VV, Vh

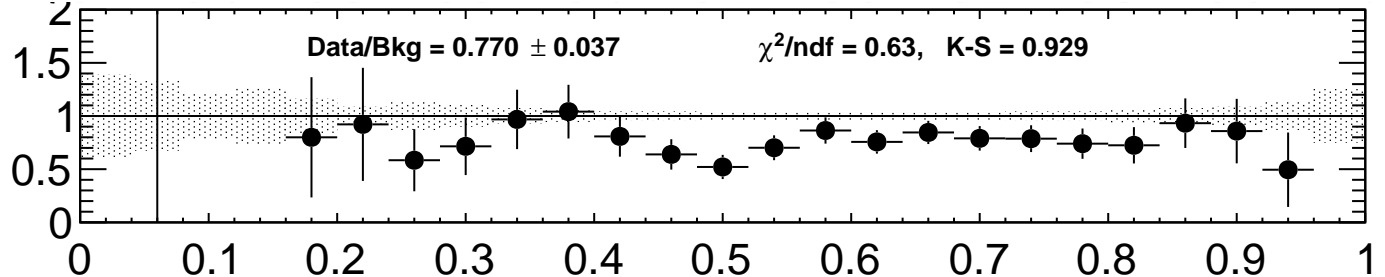
MC stat.

m<sub>Z'</sub> = 1000 GeV

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

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

HVT model B (x1)



AK8 jet charged hadron fraction