



















Events / 0.25

**ATLAS** Internal $\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$ FCNC tqH  $H \rightarrow \tau\tau$  $t_h \tau_{\text{lep}} \tau_{\text{had}} - 3j$ 

Other MC

b-jets fake  $\tau$  $\tau_W$ 

QCD Fake lep

 $\bar{t}t \rightarrow bWcH \times 7$  $ug \rightarrow tH \times 9$  $tuH WWZZ \times 100$  $t\bar{t}$ lepton fake  $\tau$ Other Fake  $\tau$ 

—•— data

 $cg \rightarrow tH \times 60$  $\bar{t}t \rightarrow bWuH \times 7$  $tcH WWZZ \times 200$ 

Data/Bkg

