



















Events / 10.00 GeV

 $\times 10^3$ **ATLAS** Internal $\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$ FCNC tqH  $H \rightarrow \tau\tau$  $t_h \tau_{\text{lep}} \tau_{\text{had}} - 2j$ 

Other MC

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

QCD Fake lep

 $\bar{t}t \rightarrow bWcH \times 200$  $ug \rightarrow tH \times 600$  $tuH WWZZ \times 800$  $\bar{t}t$ lepton fake  $\tau$ Other Fake  $\tau$ 

data

 $cg \rightarrow tH \times 3000$  $\bar{t}t \rightarrow bWuH \times 200$  $tcH WWZZ \times 1000$ 

Data/Bkg

