

















Events / 20.00 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 τ τ_W

QCD Fake lep

 $\bar{t}t \rightarrow bWcH \times 200$ $ug \rightarrow tH \times 500$ $tuH WWZZ \times 700$ $t\bar{t}$ lepton fake τ Other Fake τ

—•— data

 $cg \rightarrow tH \times 3000$ $\bar{t}t \rightarrow bWuH \times 200$ $tcH WWZZ \times 900$

Data/Bkg

 $m_{t,\text{FCNC},\text{vis}} [\text{GeV}]$ 