

















Events / 0.25

$\times 10^3$

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

$\bar{t}t \rightarrow bWcH \times 200$

$ug \rightarrow tH \times 500$

$tuH\text{ WWZZ} \times 600$

$t\bar{t}$

lepton fake τ

Other Fake τ

data

$cg \rightarrow tH \times 2000$

$\bar{t}t \rightarrow bWuH \times 200$

$tcH\text{ WWZZ} \times 900$

Data/Bkg

