





Events / 0.25

 $\times 10^3$ **ATLAS** Internal $\sqrt{s} = 13\text{TeV}, 140\text{fb}^{-1}$ FCNC tqH $H \rightarrow \tau\tau$ TTH $\tau_{\text{lep}}\tau_{\text{had}}$

SM Higgs

 $Z \rightarrow \tau\tau$ $t\bar{t}$ b-jets fake τ τ_W QCD Fake μ

—•— data

Diboson

Rare

 $t\bar{t}V$ lepton fake τ Other Fake τ QCD Fake e — tcH merged $\times 70$

Data/Bkg

 $\Delta R(\tau, \text{light-jet}, \text{min})$ 





