













Events / 0.30

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

SM Higgs

 $Z \rightarrow \tau\tau$ $t\bar{t}$

data

 $cg \rightarrow tH \times 800$ $ug \rightarrow tH \times 100$

Diboson

Rare

 $t\bar{t}V$ $t\bar{t} \rightarrow bWcH \times 60$ $t\bar{t} \rightarrow bWuH \times 40$

Data/Bkg

 $\Delta\phi(\tau\tau, P_{\text{miss}}^T)$ 