













Events / 0.30

ATLAS Internal $\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$ FCNC tqH $H \rightarrow \tau\tau$

reg1mtau1ltau

SM Higgs

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

—•— data

— cg $\rightarrow tH \times 34000$ — ug $\rightarrow tH \times 3000$

Diboson

 $t\bar{t}$ only τ_{sub} real— $t\bar{t} \rightarrow bWcH \times 2000$ — $t\bar{t} \rightarrow bWuH \times 1000$

Data/Bkg

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