













Events / 5.00 GeV

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

$t_h \tau_{\text{had}} \tau_{\text{had}} - 3j \text{ SS}($

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only  $\tau_{\text{sub}}$  real

data

$cg \rightarrow tH \times 3000$

$ug \rightarrow tH \times 500$

Diboson

Rare

$t\bar{t}V$

Fake

$t\bar{t} \rightarrow bWcH \times 100$

$t\bar{t} \rightarrow bWuH \times 100$

Data/Bkg

