

Events

**ATLAS**

Internal

tcH

only  $\tau_{\text{sub}}$  real $\sqrt{s} = 13 \text{ TeV}, 139 \text{ fb}^{-1}$ 

Diboson

Fake  $\tau$  MC*FCNC tqH*  $H \rightarrow \tau^+ \tau^-$  $\bar{t}t$  $Z \rightarrow \tau\tau$  $t_h \tau_{\text{had}} \tau_{\text{had}}^{-3j}$  $\bar{t}tV$ 

Rare

Pre-Fit

SM Higgs

Uncertainty

 $10^3$  $10^2$ 

10

1

1.25

0.75

0.5

Data / Pred.

-1 -0.8 -0.6 -0.4 -0.2 0 0.2 0.4 0.6 0.8 1

BDT Discriminant

