

Events

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

Pre-Fit

Internal

 $\tau_{\text{had}} \rightarrow tH$  $\tau_{\text{had}} \rightarrow \tau \tau$  $\tau_{\text{had}} \rightarrow \tau \tau$  MC $2\tau_{\text{had}} \rightarrow \tau \tau$ 

SM Higgs

Uncertainty

 $10^3$  $10^2$ 

10

1

1.25

0.75

0.5

BDT Discriminant

Data / Pred.

