

Events

**ATLAS**

Internal

tuH

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

Diboson

Fake  $\tau$  MC*FCNC tqH*  $H \rightarrow \tau^+ \tau^-$  $\bar{t}t$  $Z \rightarrow \tau\tau$  $t_h \tau_{\text{had}} \tau_{\text{had}}^{-2j}$  $\bar{t}tV$ 

Rare

Pre-Fit

SM Higgs

Uncertainty

 $10^3$  $10^2$ 

10

-1

-0.8

-0.6

-0.4

-0.2

0

0.2

0.4

0.6

0.8

1

BDT Discriminant

Data / Pred.

1.25

0.75

0.5

-1

-0.8

-0.6

-0.4

-0.2

0

0.2

0.4

0.6

0.8

1