

Events

ATLAS

Internal

tuH

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

Diboson

Fake τ 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.

BDT Discriminant

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