

Events / 75 GeV

ATLAS Internal $\sqrt{s} = 13 \text{ TeV}, 139 \text{ fb}^{-1}$ $\tau_{\text{had}}\tau_{\text{had}}$ 2 b-tags

LLOS

- Data
- $X (\mu=0.02)$
 $m_X=900 \text{ GeV}$
- Top-quark
- jet $\rightarrow \tau_{\text{had}}$ fakes
- $Z \rightarrow \tau\tau + (bb, bc, c\bar{c})$
- jet $\rightarrow \tau_{\text{had}}$ fakes ($t\bar{t}$)
- Other
- SM Higgs
- Uncertainty
- Pre-fit background

Data/Pred.

 $m_{HH} [\text{GeV}]$ 