

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

— $X (\mu=0.02)$ $m_X=1000 \text{ GeV}$

■ Top-quark

■ jet $\rightarrow \tau_{\text{had}}$ fakes■ Z $\rightarrow \tau\tau$ +(bb,bc,cc)■ jet $\rightarrow \tau_{\text{had}}$ fakes (tt)

■ Other

■ SM Higgs

▨ Uncertainty

⋯ Pre-fit background

Data/Pred.

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