

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 $\rightarrow \tau_{\text{had}}$ fakesZ $\rightarrow \tau\tau$ +(bb,bc,cc)

Other

SM Higgs

Uncertainty

Pre-fit background

Data/Pred.

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