

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

—  $X (\mu=0.02)$  $m_X=1100 \text{ GeV}$ 

■ 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.

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