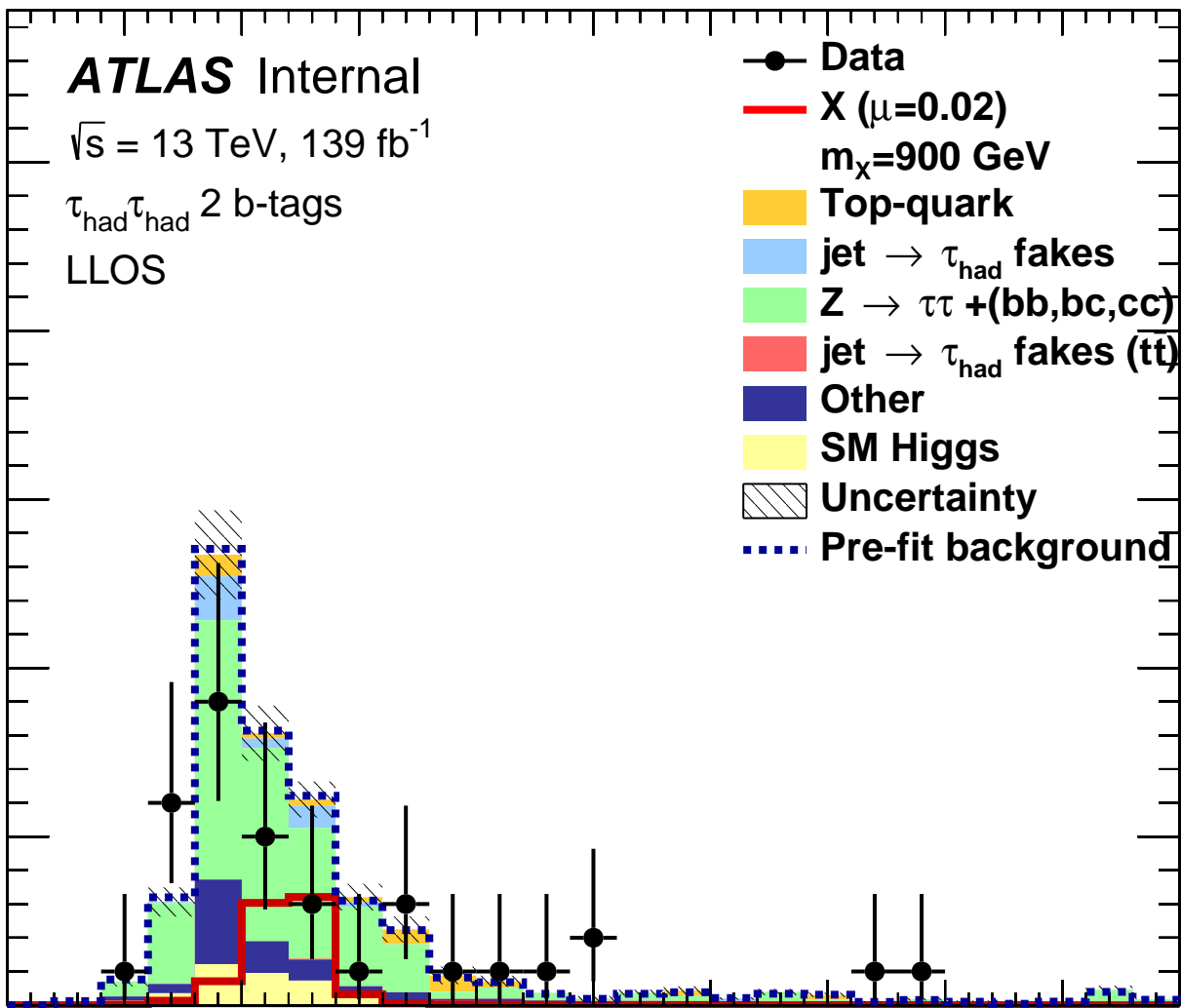


Events / 20 GeV

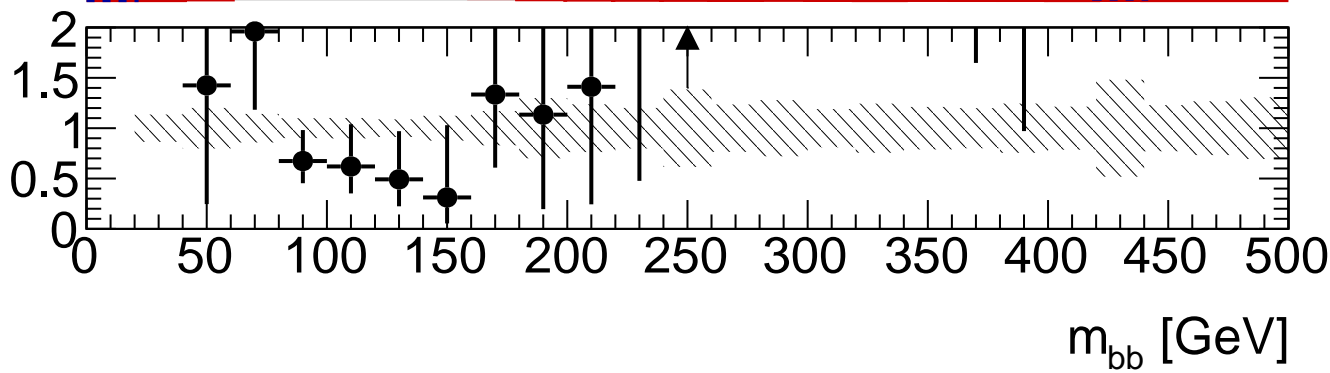
**ATLAS** Internal $\sqrt{s} = 13 \text{ TeV}, 139 \text{ fb}^{-1}$  $\tau_{\text{had}}\tau_{\text{had}}$  2 b-tags

LLOS

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



Data/Pred.

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