

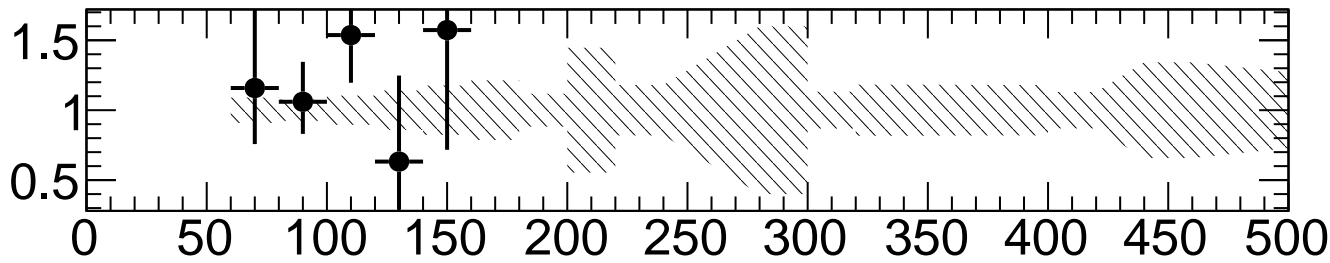
Events / 20 GeV

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

LLOS

- Data
- $X (\mu=0.02)$
- $m_X=1100 \text{ GeV}$
- 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.

 $m_{\tau\tau}^{\text{MMC}} [\text{GeV}]$