

Events / 20.00 GeV

$\times 10^3$

ATLAS Internal

$\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$

FCNC tqH $H \rightarrow \tau\tau$

$t_h \tau_{\text{lep}} \tau_{\text{had}}^{-3} j$

Other MC

b-jets fake τ

τ_W

QCD Fake lep

tqH WWZZ $\times 300$

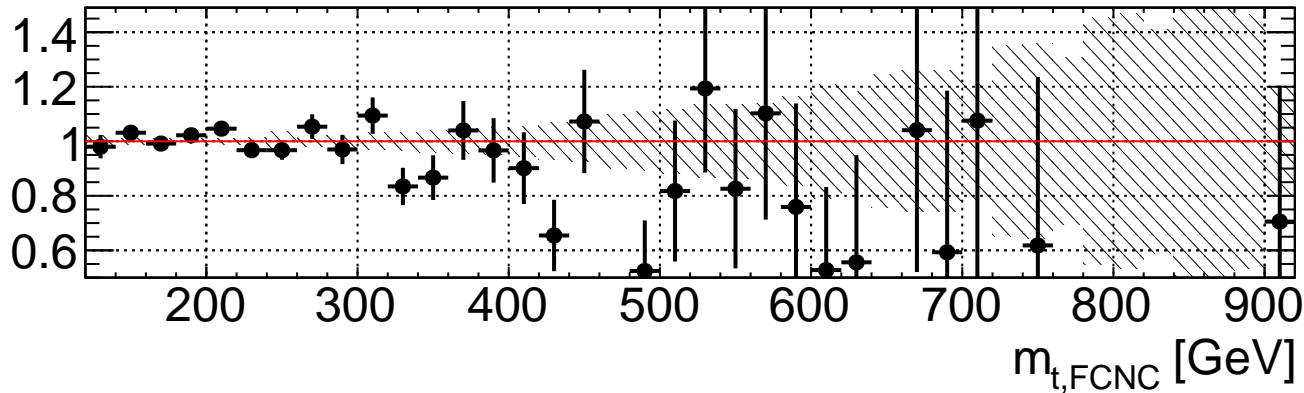
$t\bar{t}$

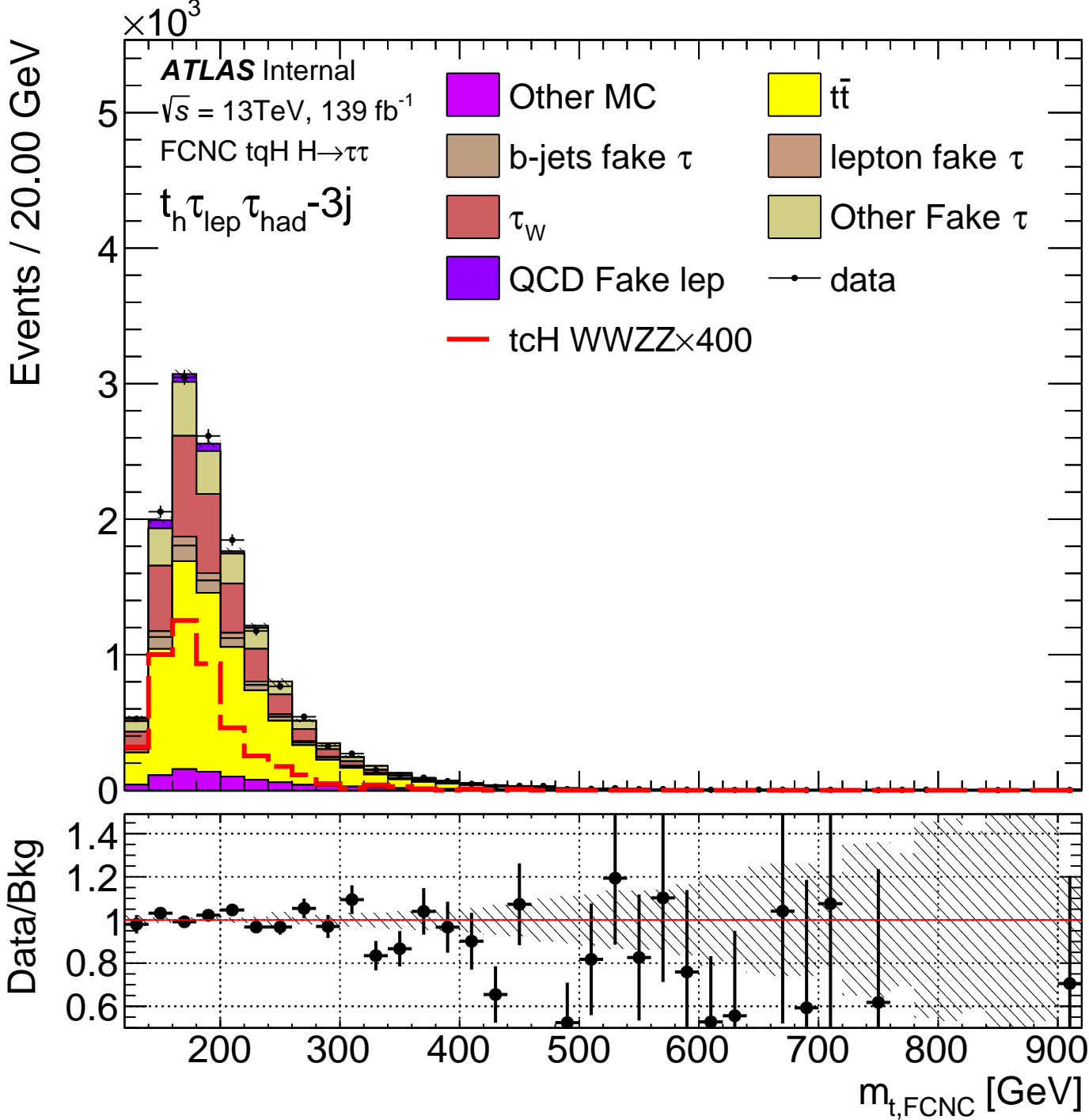
lepton fake τ

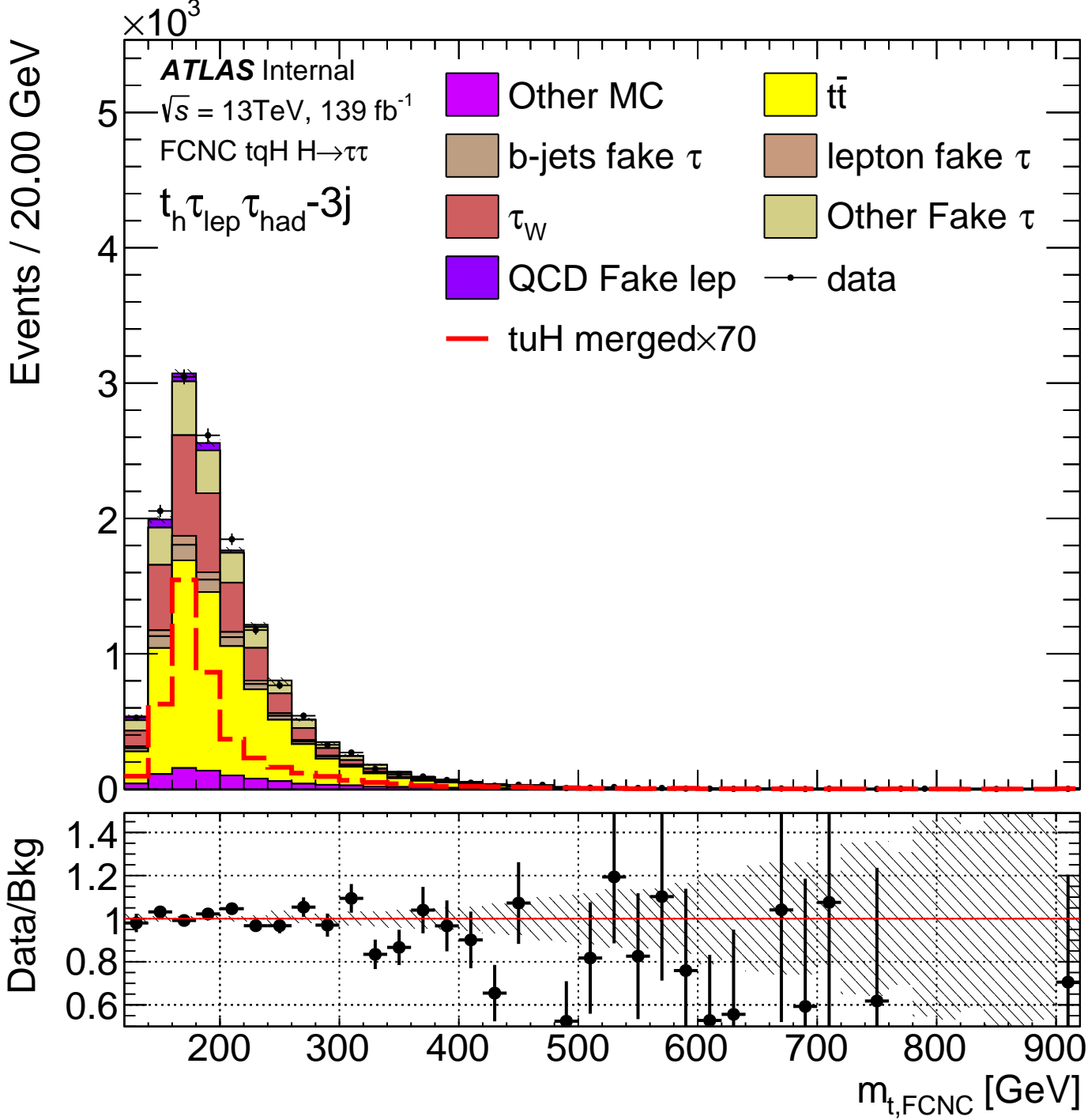
Other Fake τ

data

Data/Bkg







Events / 20.00 GeV

 $\times 10^3$ **ATLAS** Internal $\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$ FCNC $t\bar{q}H \rightarrow \tau\tau$ $t_h \tau_{\text{lep}} \tau_{\text{had}} - 3j$

Other MC

b-jets fake τ τ_W

QCD Fake lep

 $t\bar{t} \rightarrow bWcH \times 80$ $ug \rightarrow tH \times 1000$ $t\bar{t}$ lepton fake τ Other Fake τ

data

 $cg \rightarrow tH \times 4000$ $t\bar{t} \rightarrow bWuH \times 70$

Data/Bkg

