

Events / 0.40

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

FCNC tqH $H \rightarrow \tau\tau$ $t_h \tau_{\text{lep}} \tau_{\text{had}} - 2j$

Other MC

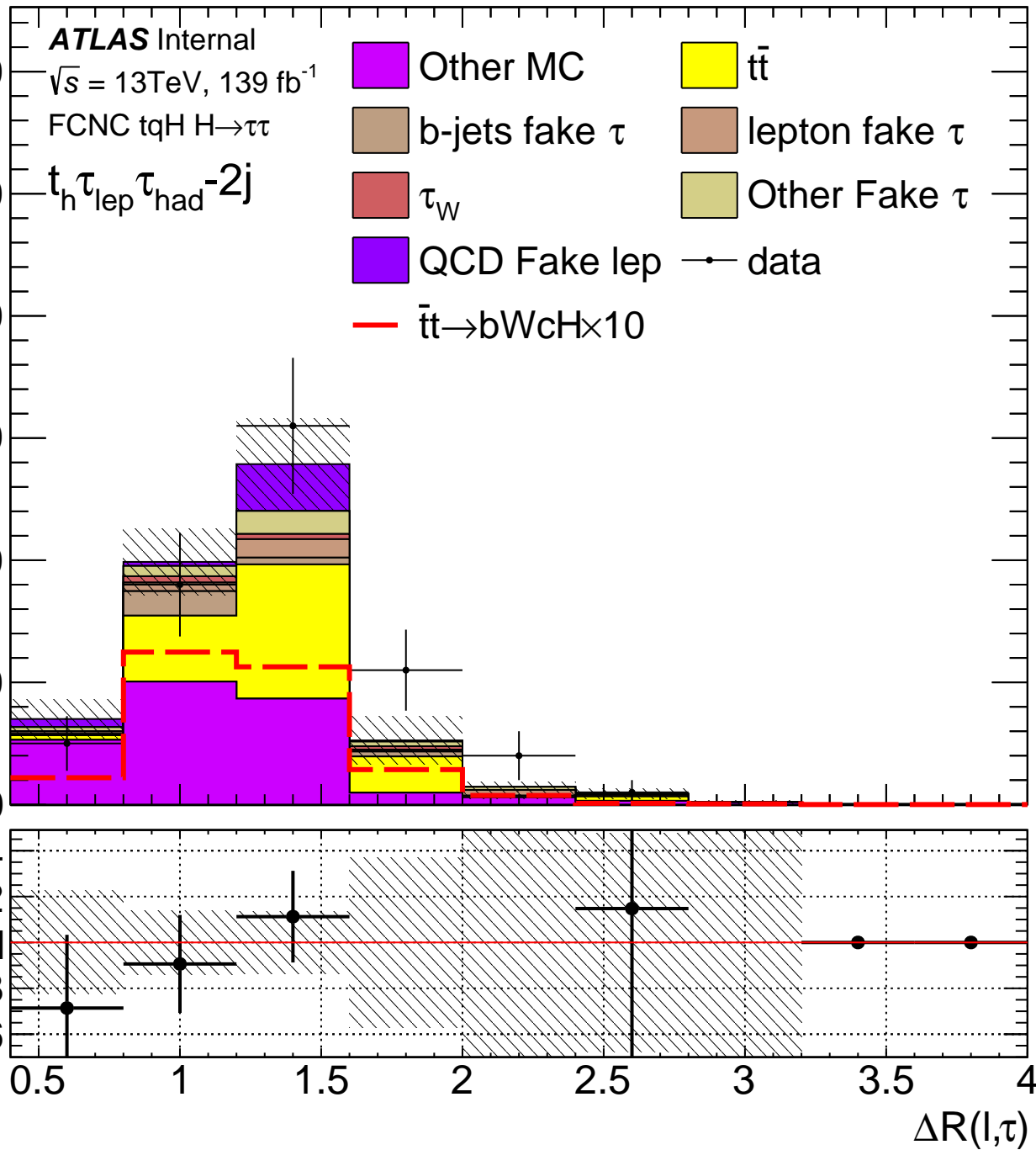
b-jets fake τ τ_W

QCD Fake lep

 $\bar{t}t \rightarrow bWcH \times 10$ $t\bar{t}$ lepton fake τ Other Fake τ

data

Data/Bkg



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

FCNC tqH $H \rightarrow \tau\tau$ $t_h \tau_{\text{lep}} \tau_{\text{had}} - 2j$

Other MC

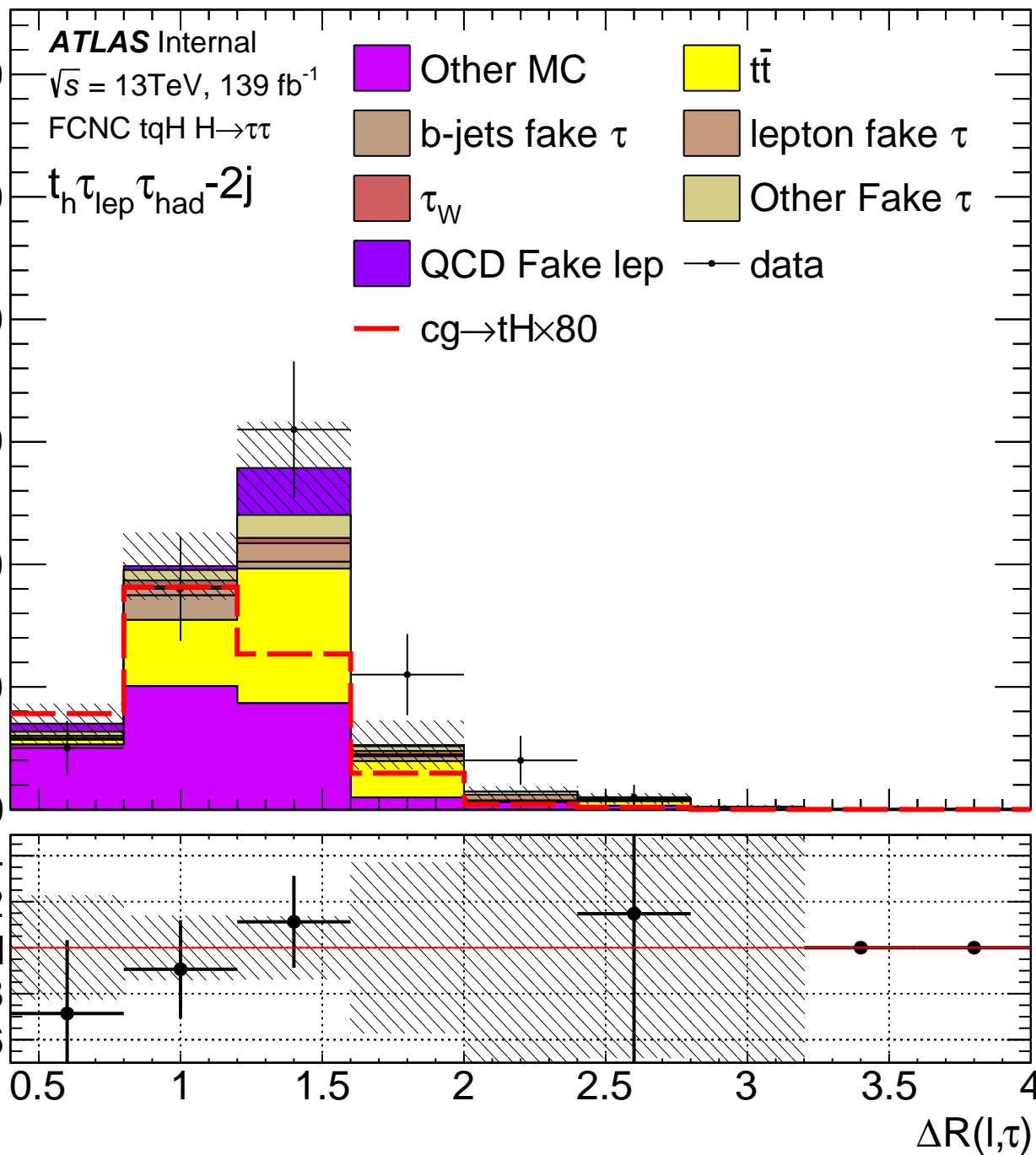
b-jets fake τ τ_W

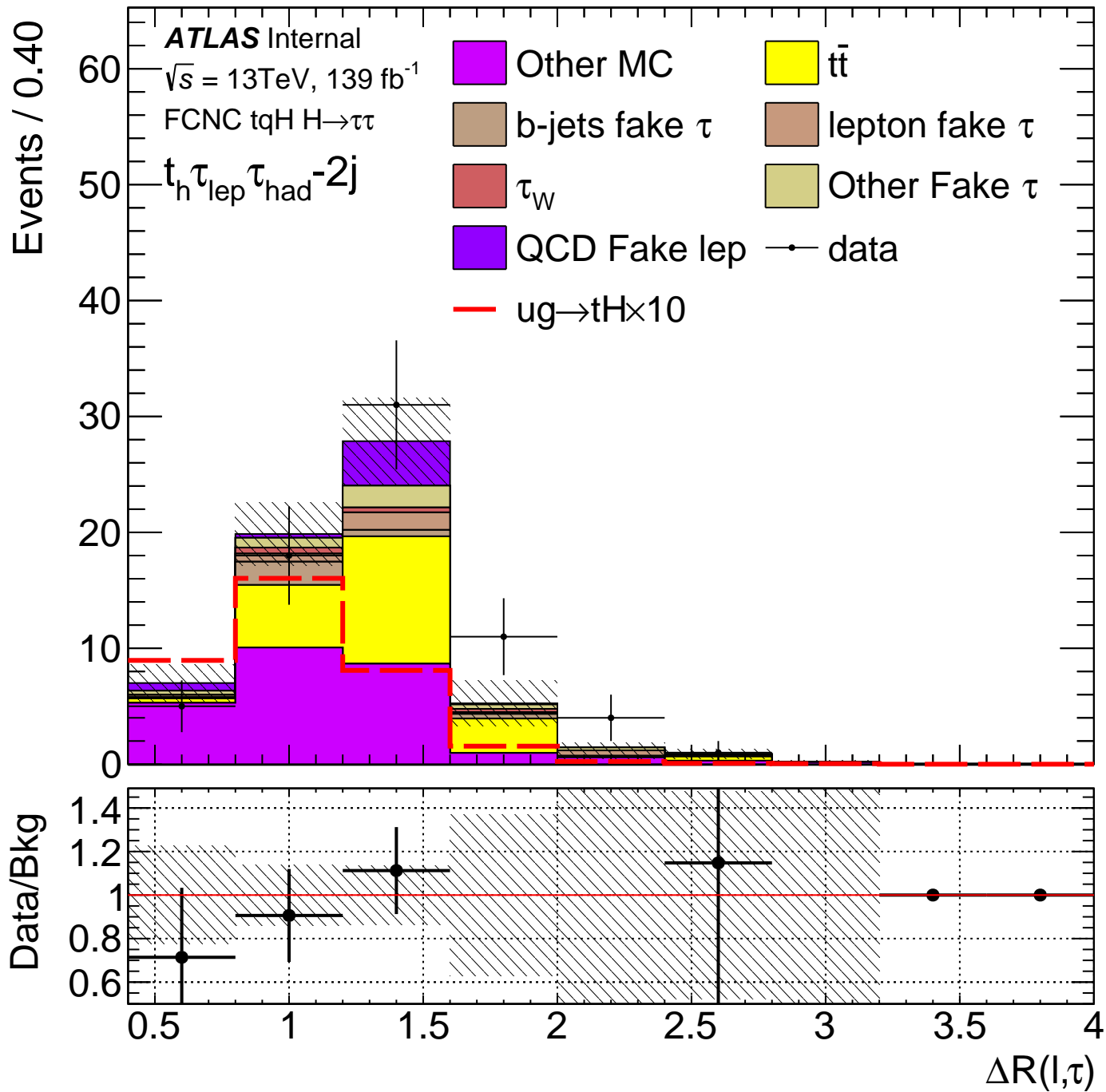
QCD Fake lep

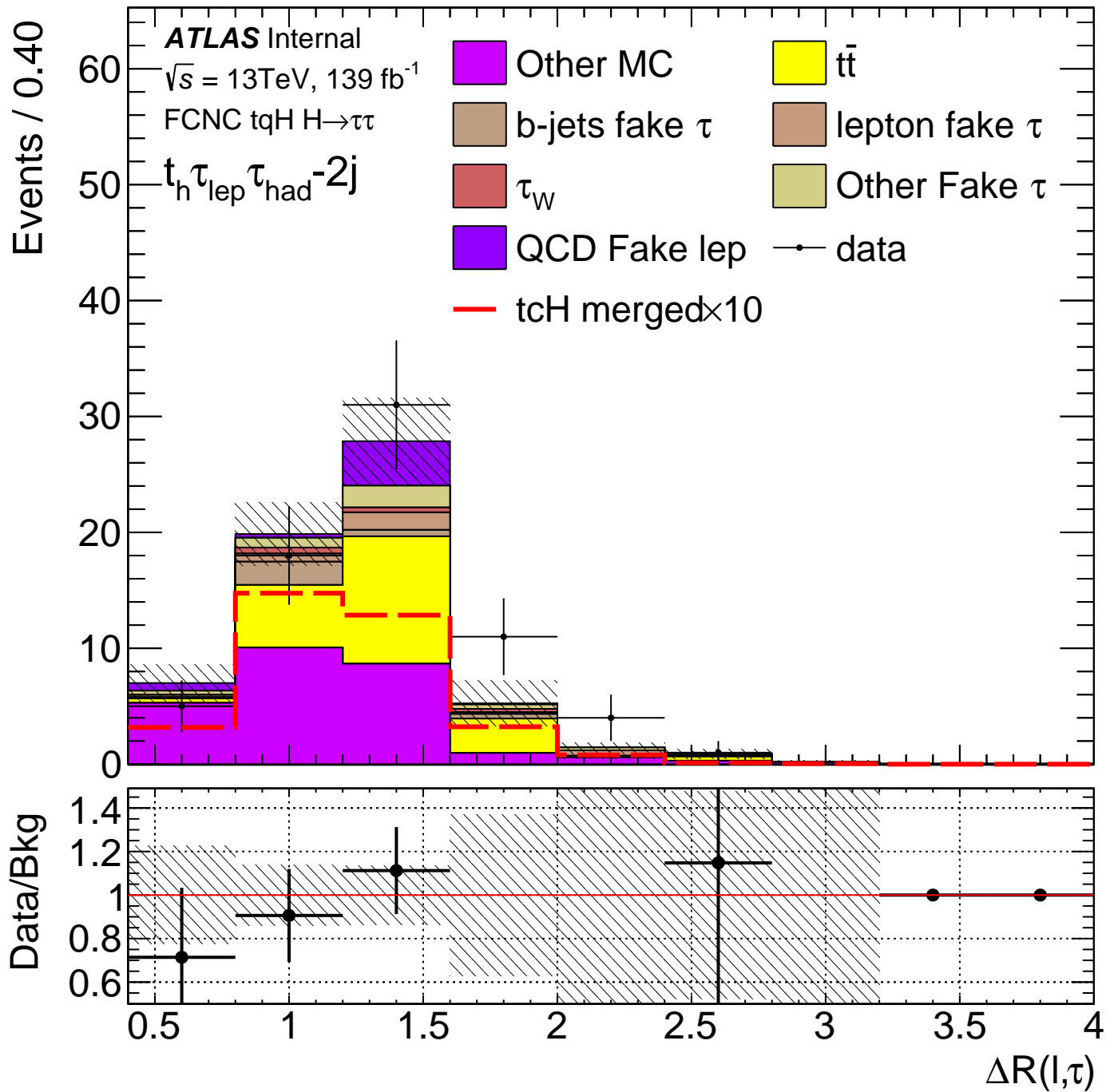
 $cg \rightarrow tH \times 80$ $t\bar{t}$ lepton fake τ Other Fake τ

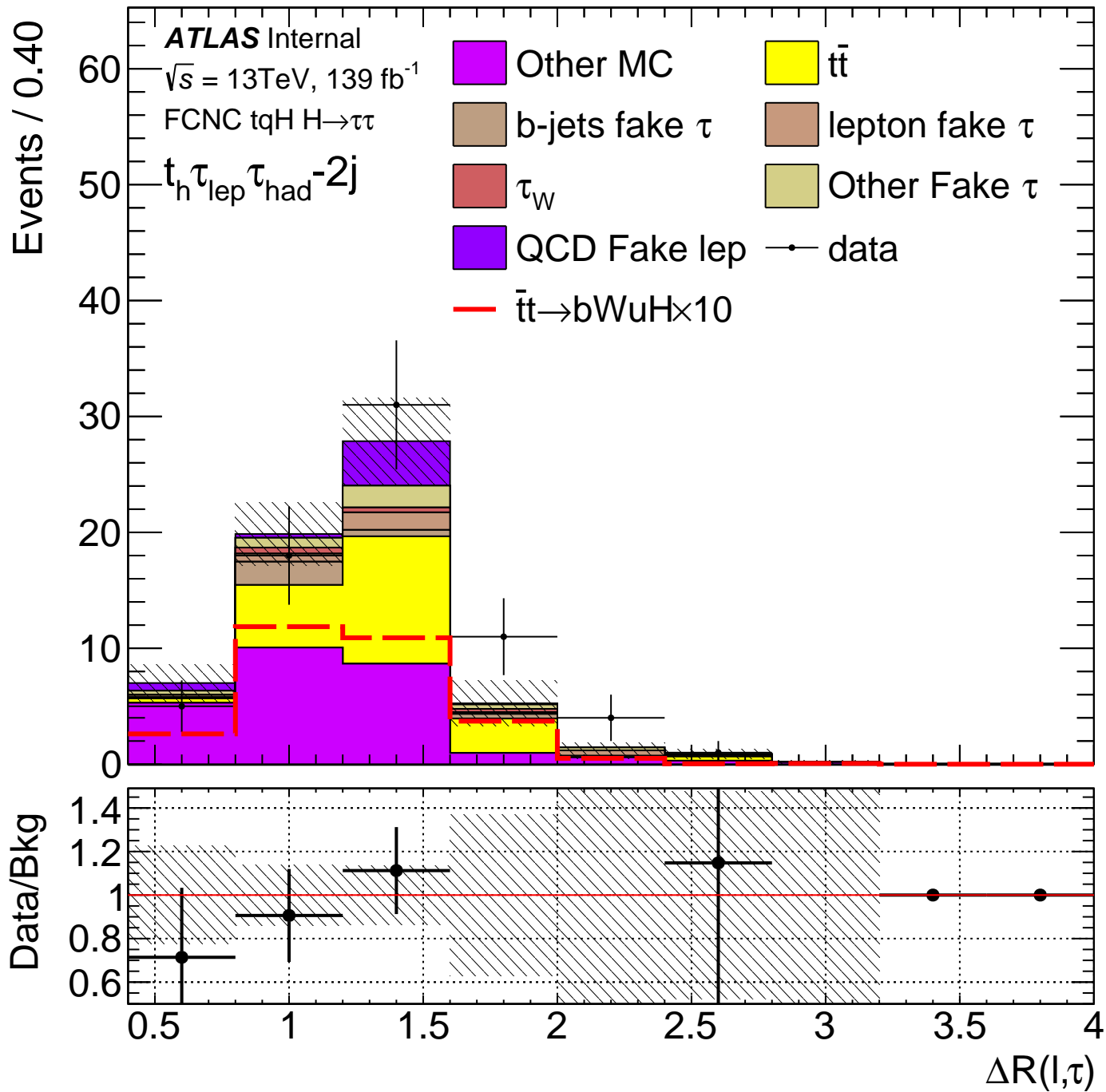
data

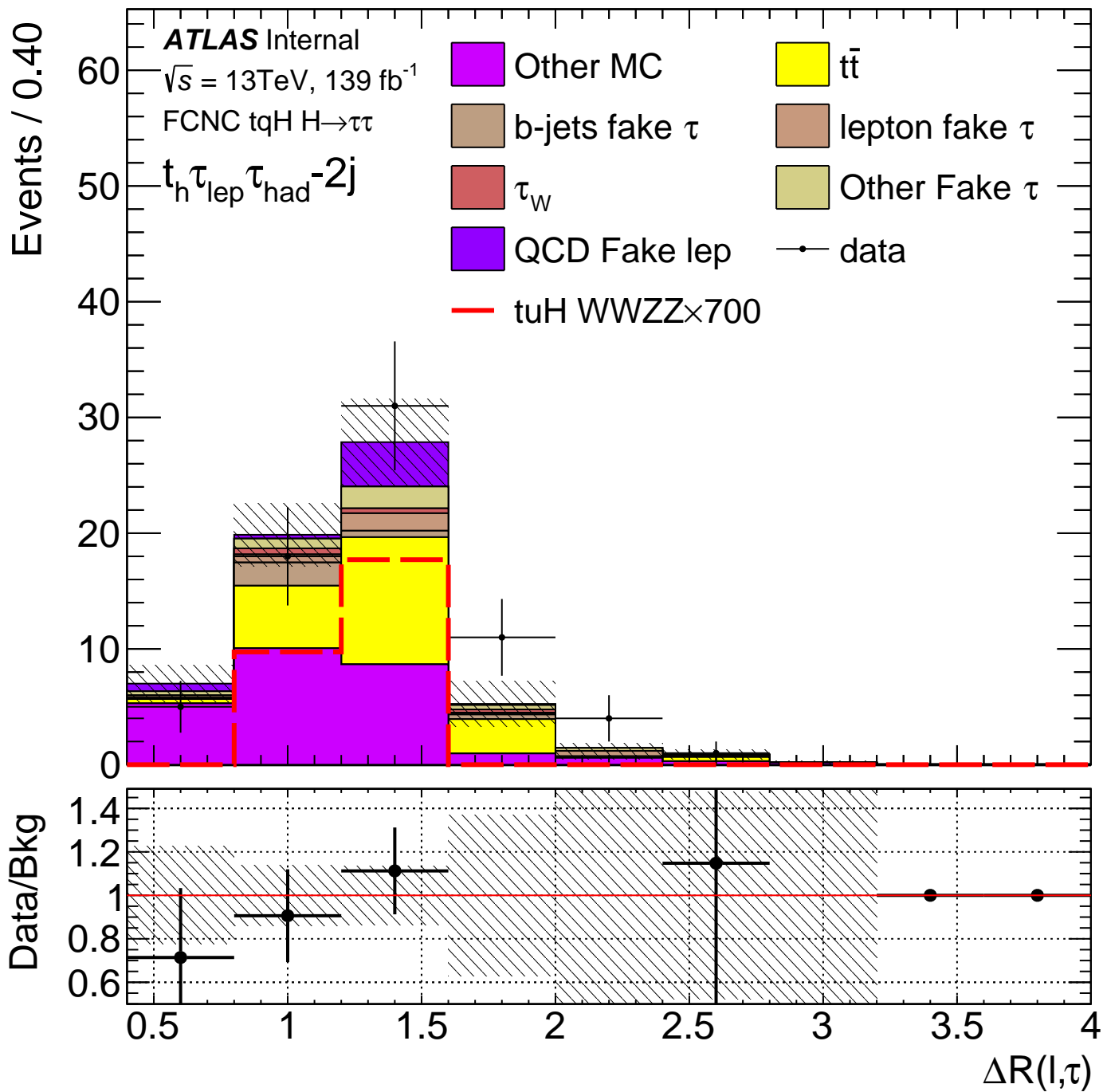
Data/Bkg

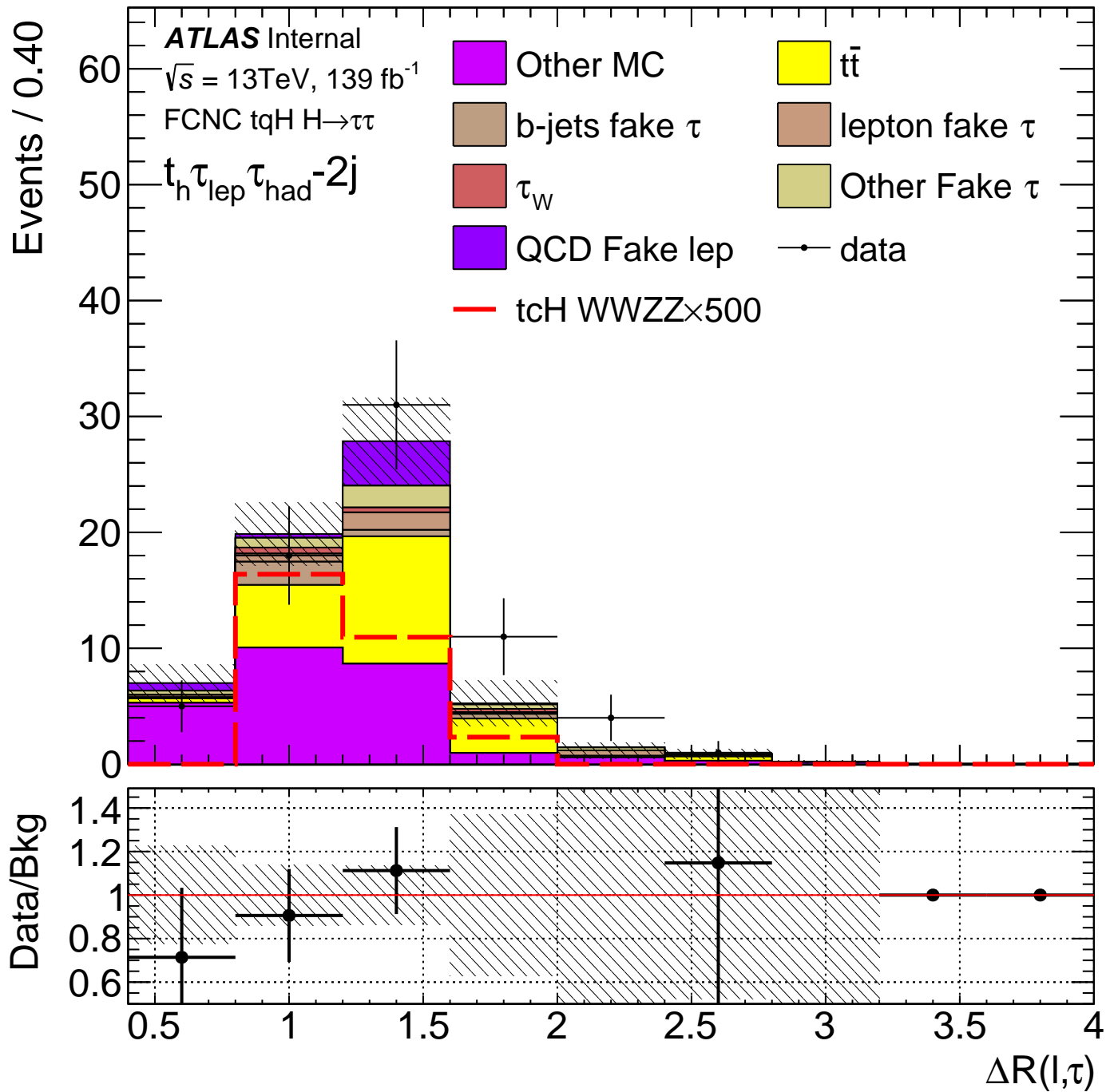
 $\Delta R(l, \tau)$ 

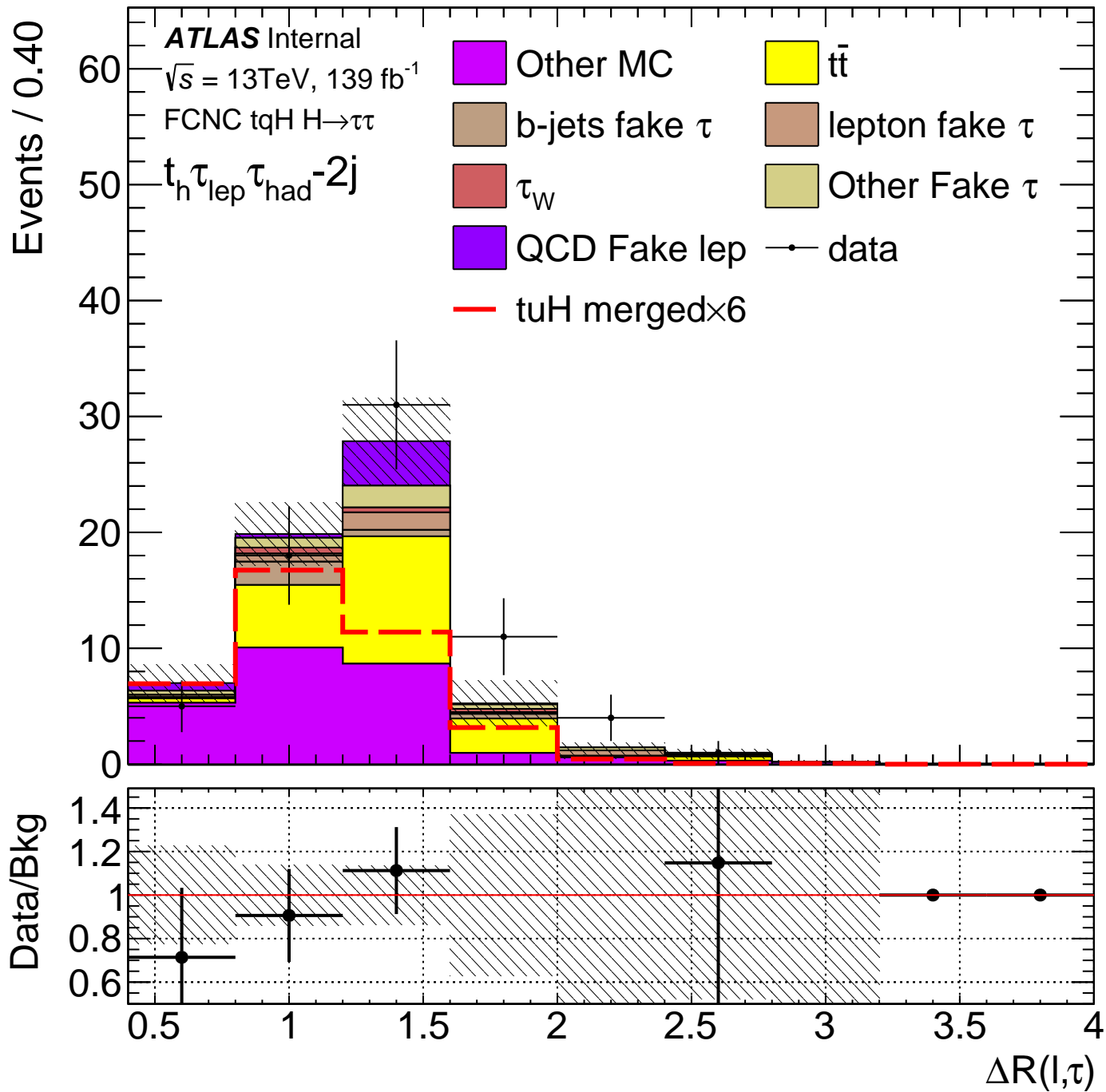








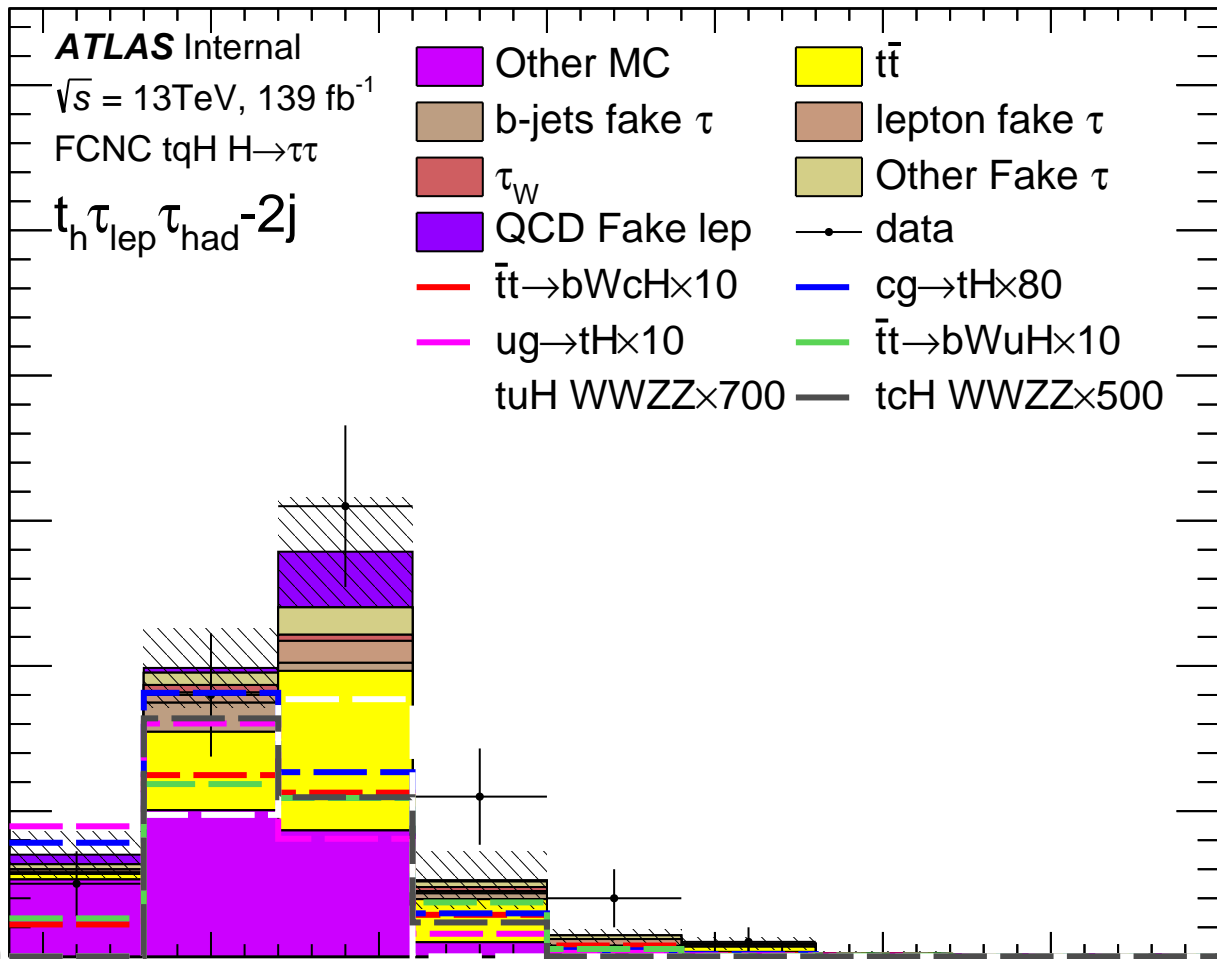




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FCNC tqH $H \rightarrow \tau\tau$
 $t_h \tau_{\text{lep}} \tau_{\text{had}} - 2j$

Other MC
b-jets fake τ
 τ_W
QCD Fake lep
 $\bar{t}t \rightarrow bWcH \times 10$
 $ug \rightarrow tH \times 10$
tuH WWZZ $\times 700$
 $t\bar{t}$
lepton fake τ
Other Fake τ
data
 $cg \rightarrow tH \times 80$
 $\bar{t}t \rightarrow bWuH \times 10$
 $tcH \text{ WWZZ} \times 500$



Data/Bkg

