

Events / 2.50

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

FCNC $t\bar{q}H \rightarrow \tau\tau$ $t_l\tau_{\text{had}}^{-1}j$

Other MC

b-jets fake τ τ_W

QCD Fake lep

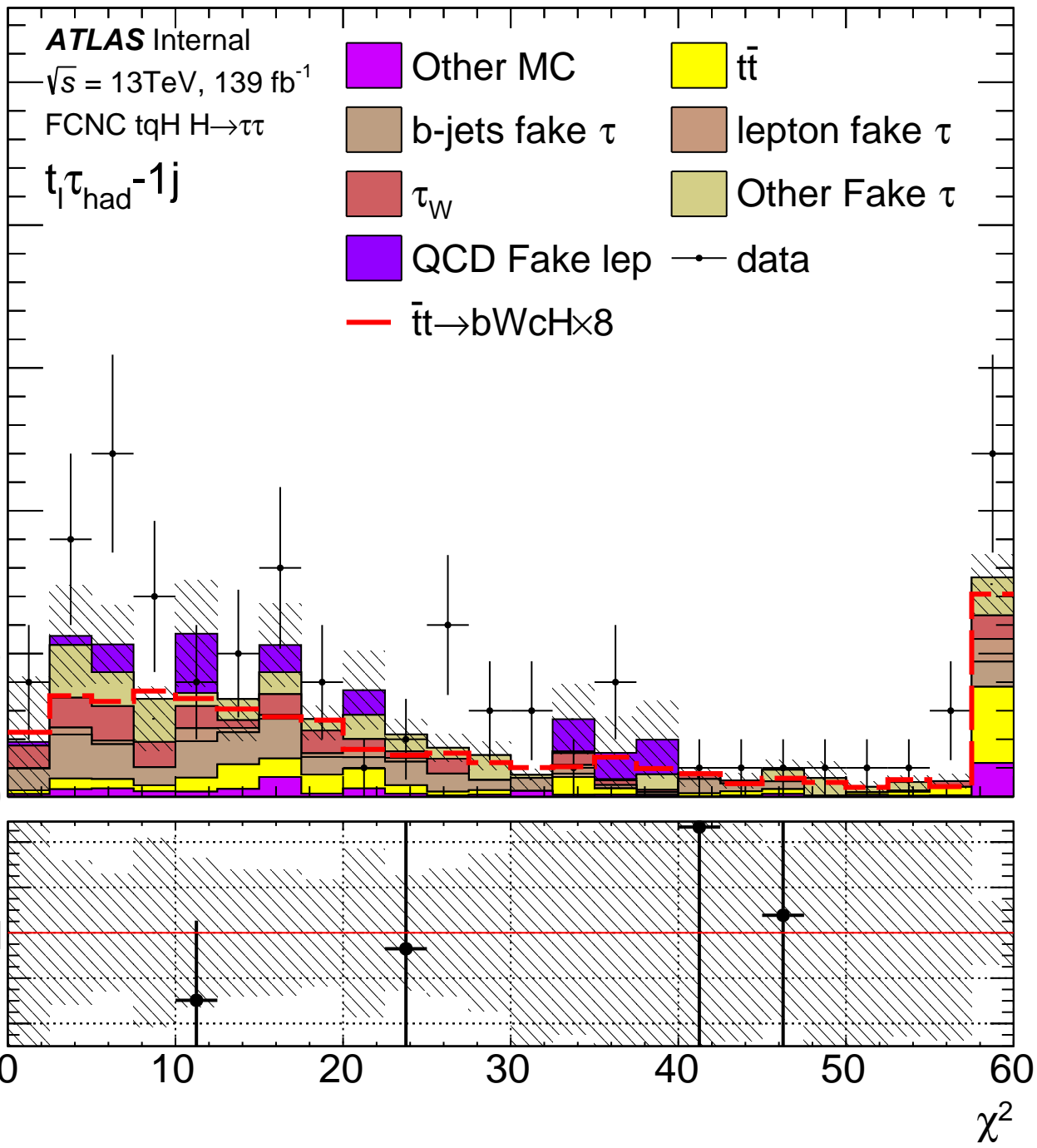
 $\bar{t}t \rightarrow bWcH \times 8$ $t\bar{t}$ lepton fake τ Other Fake τ

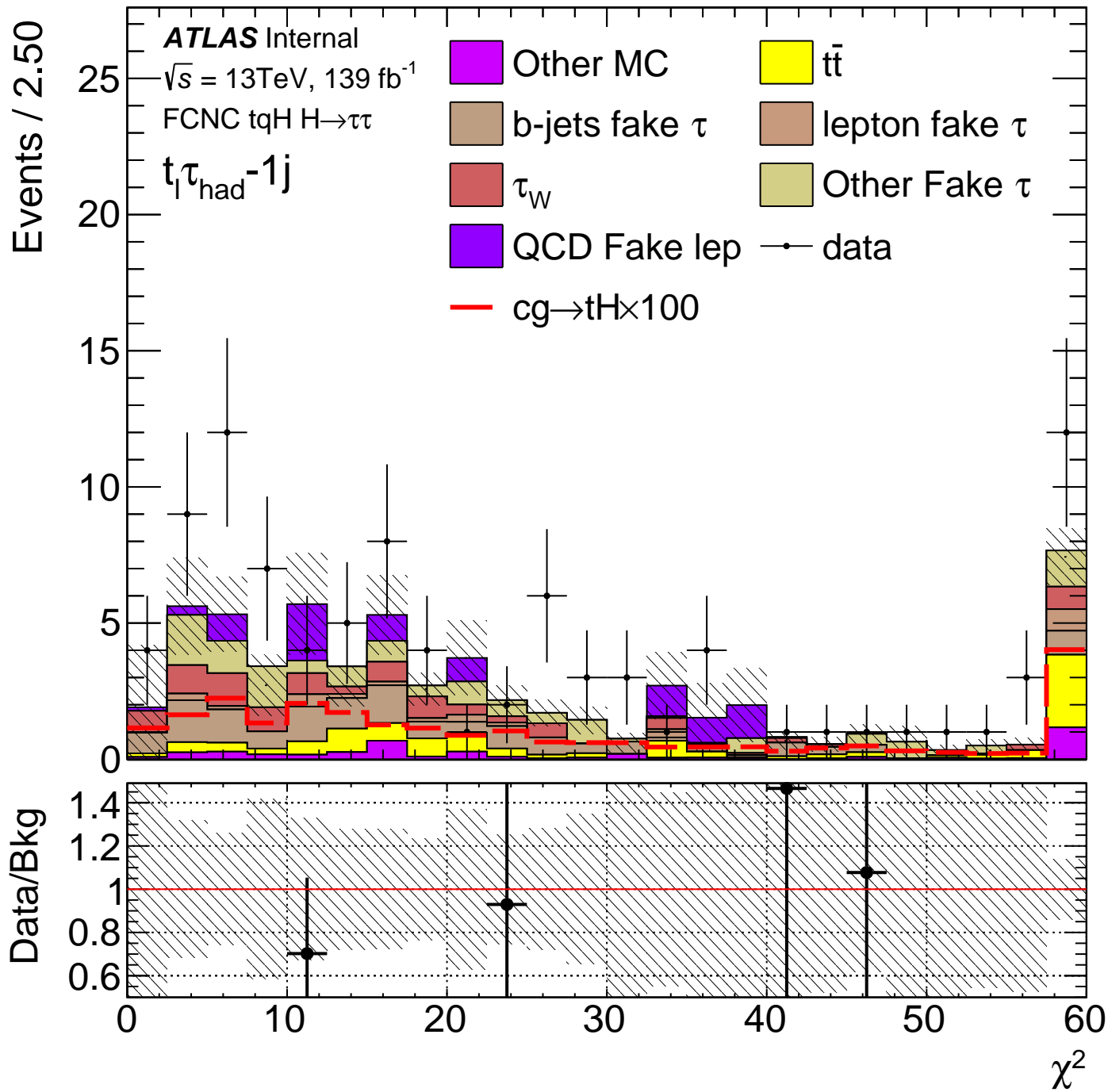
data

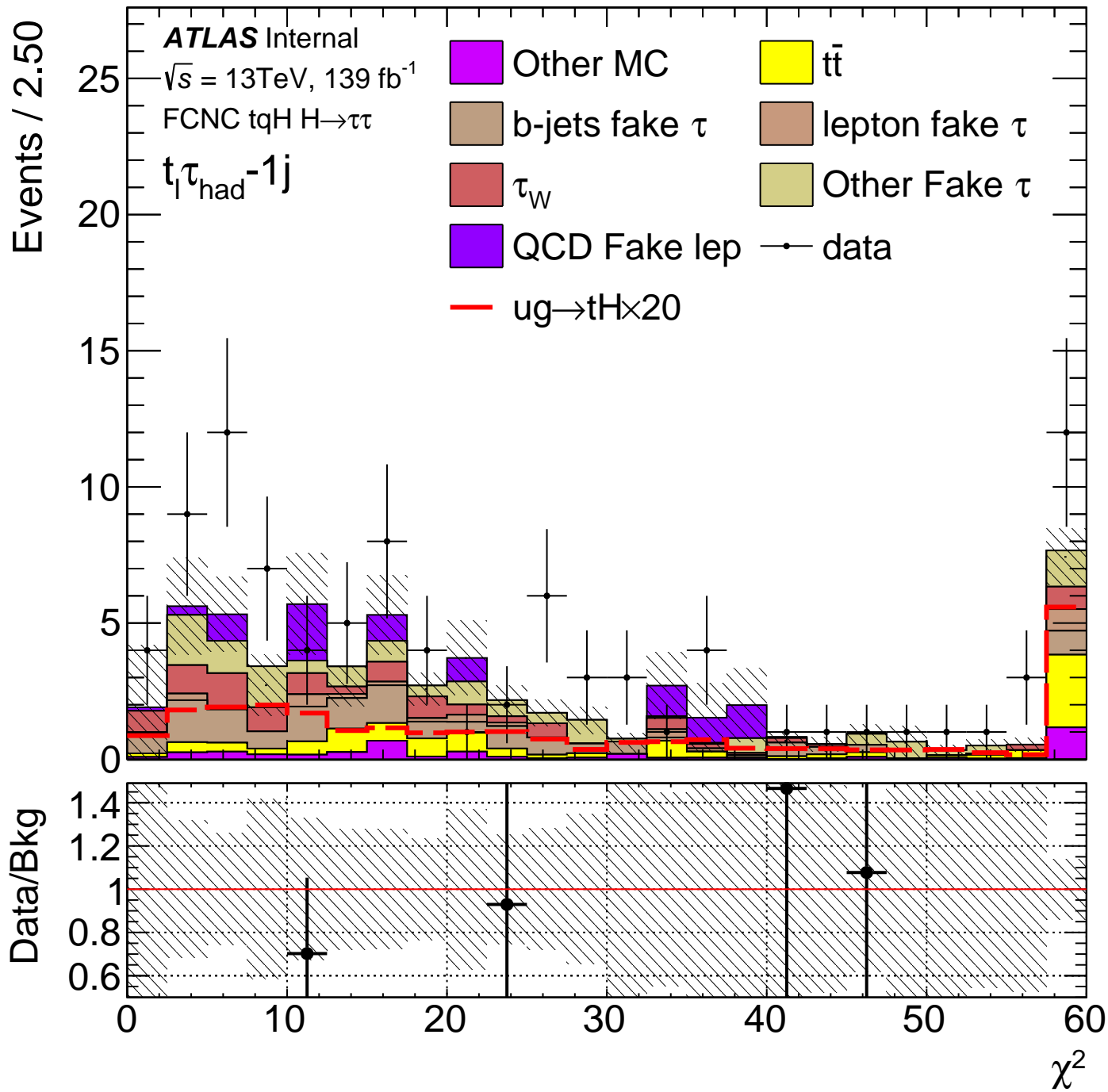
Data/Bkg

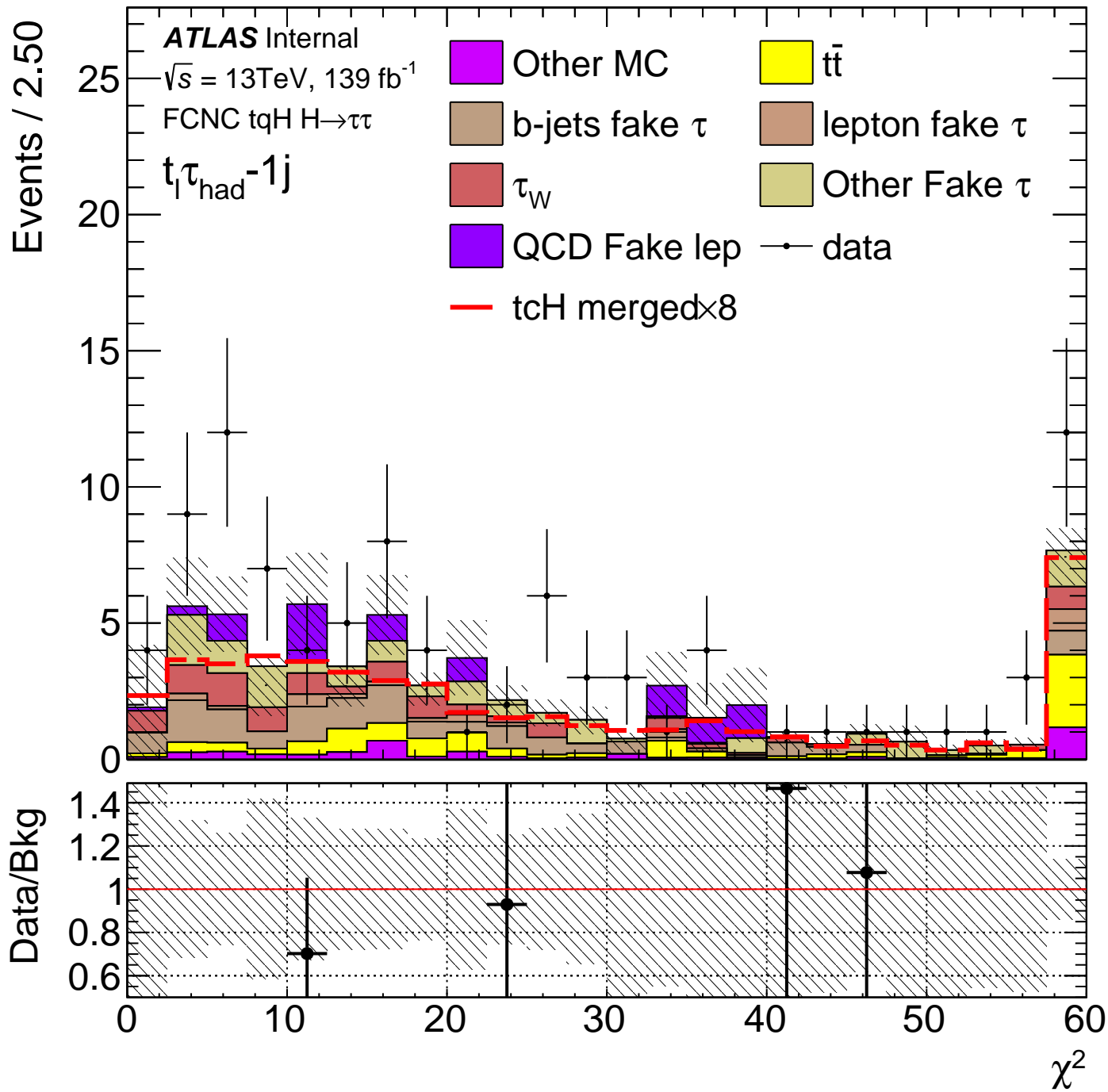
1.4
1.2
1.0
0.8
0.6

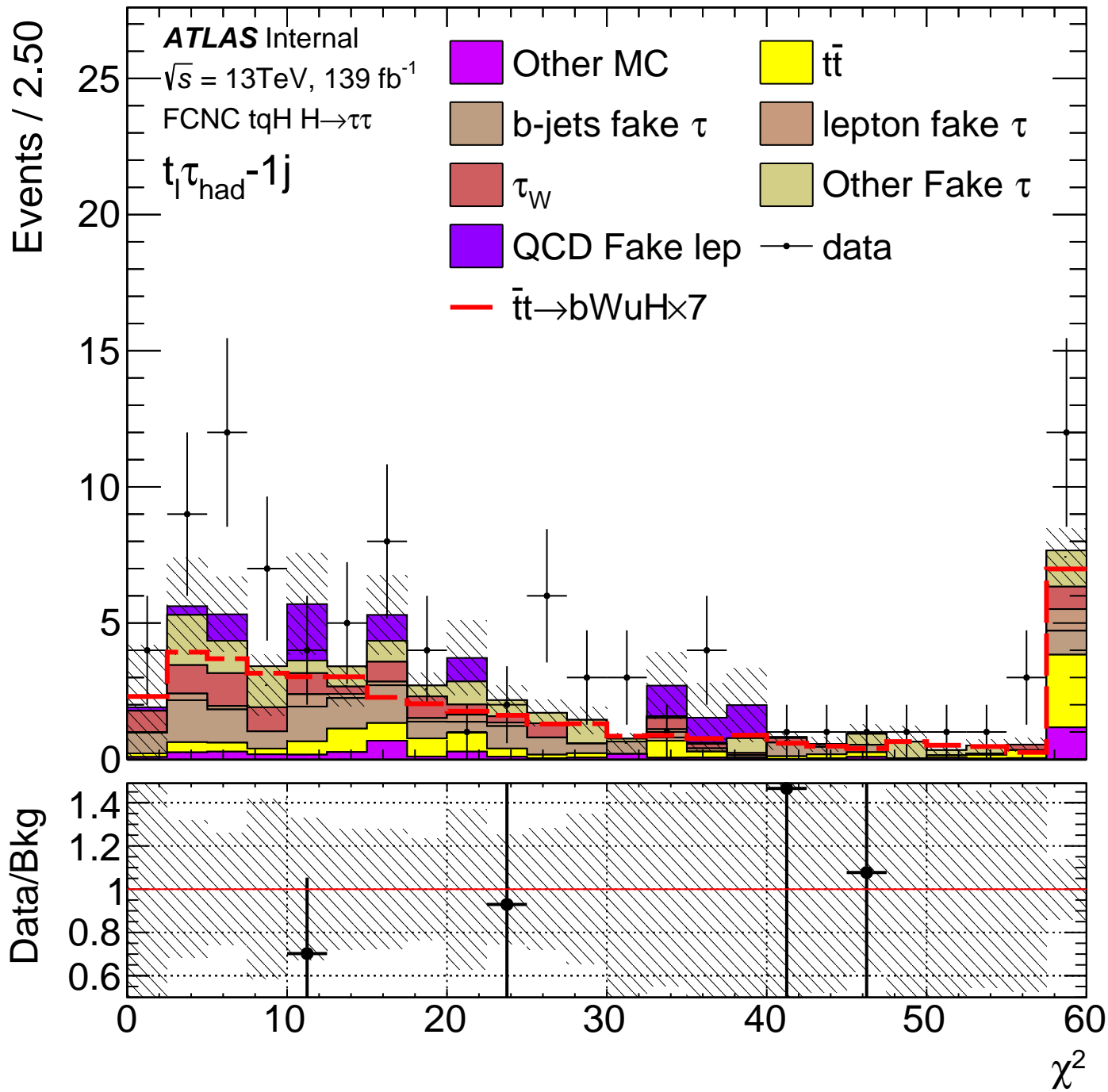
0 10 20 30 40 50 60

 χ^2 









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$t\bar{u}H \text{ WWZZ} \times 80$

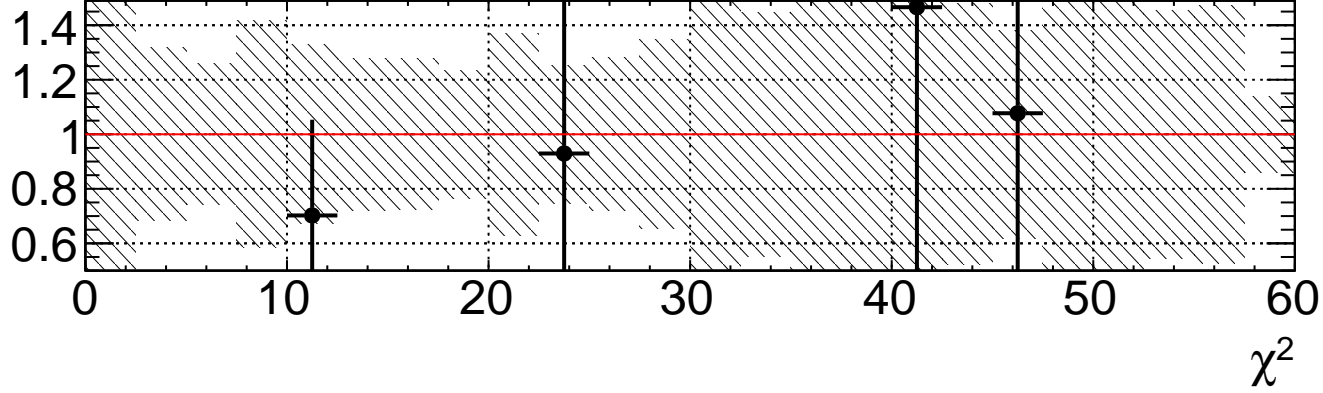
$t\bar{t}$

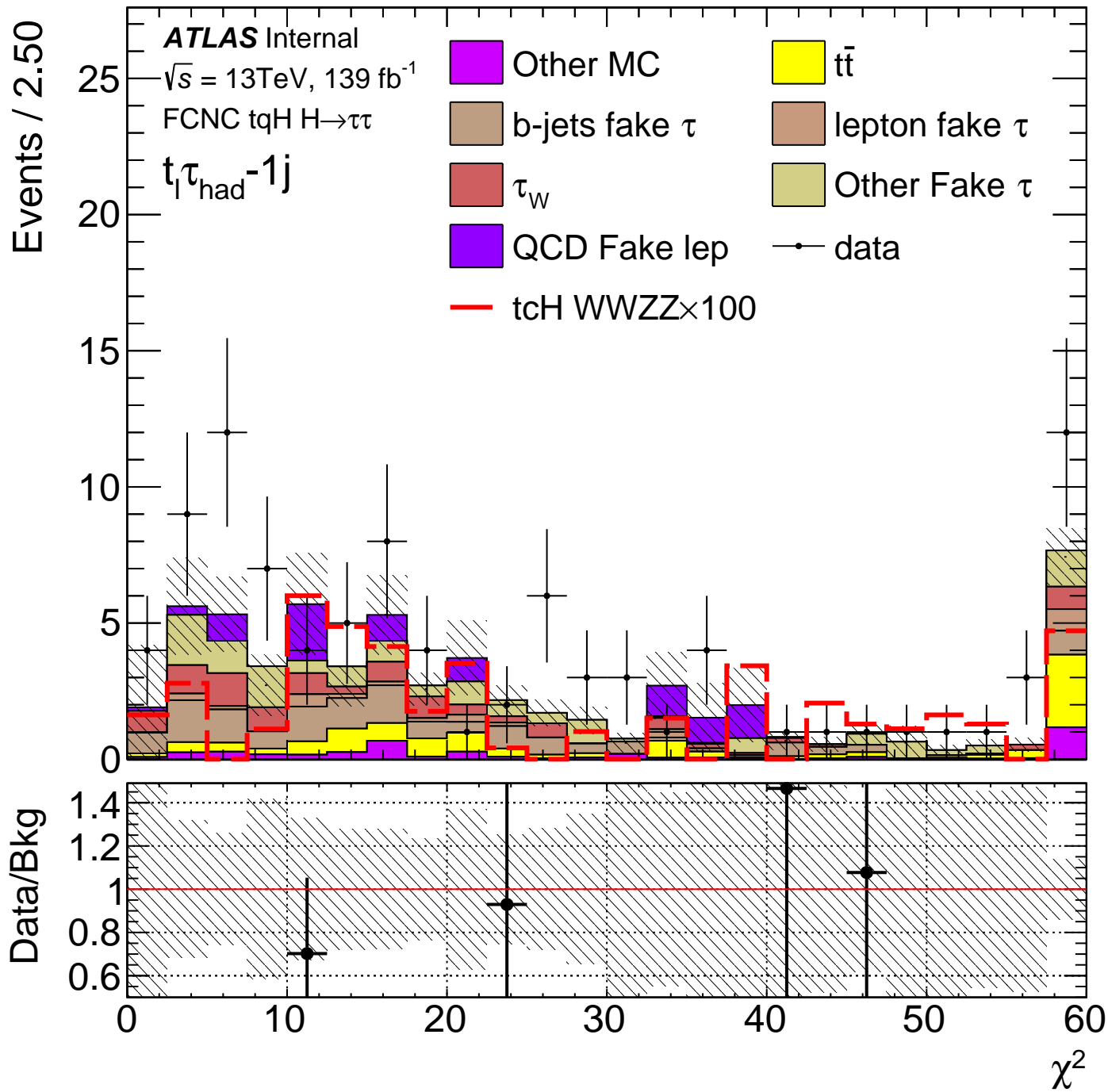
lepton fake τ

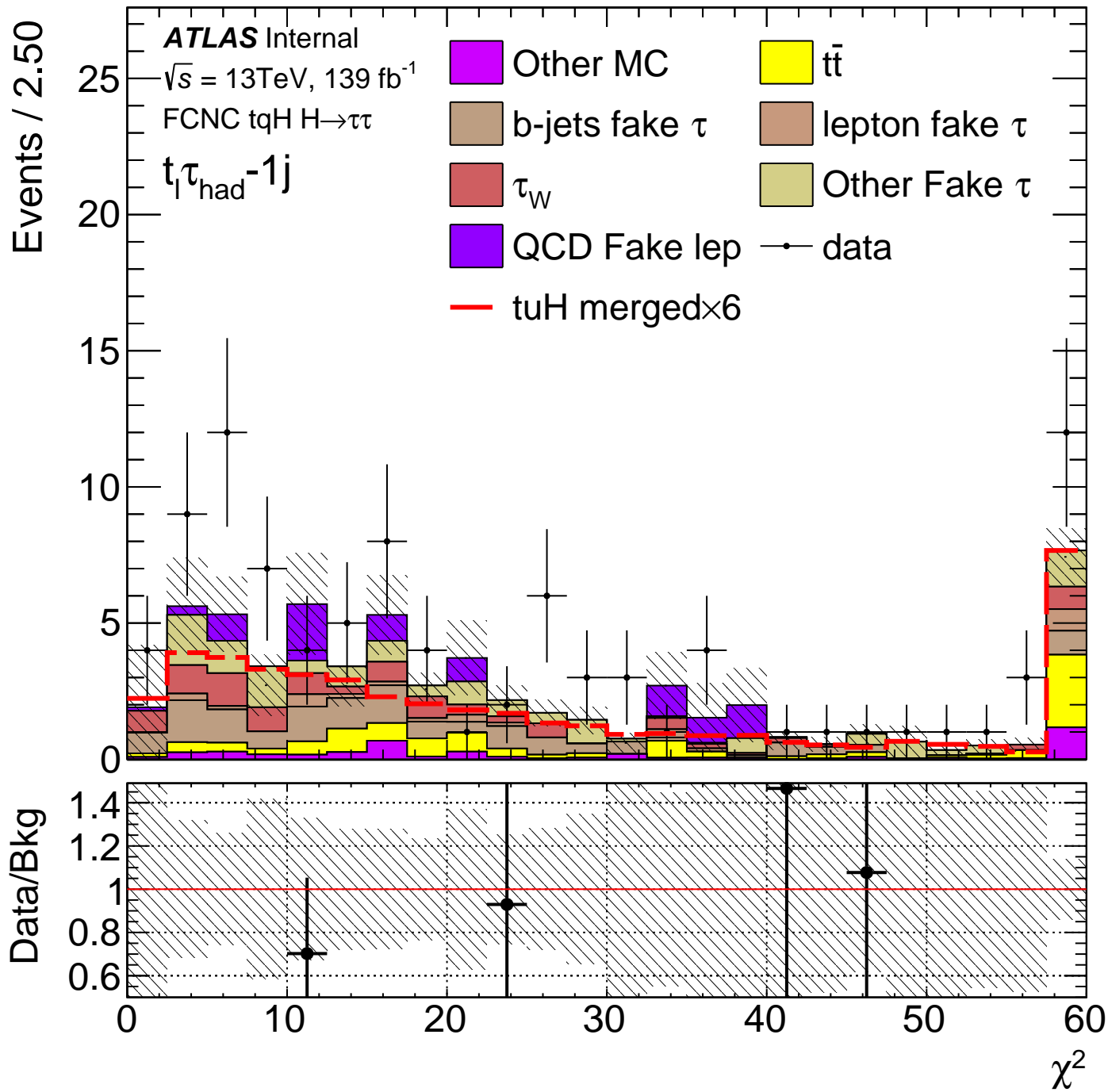
Other Fake τ

data

Data/Bkg



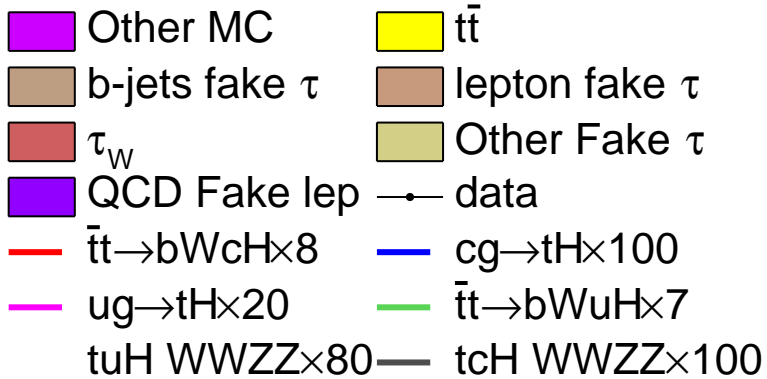




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Data/Bkg

