

Events / 10.00 GeV

$\times 10^3$

$\sqrt{s} = 13\text{TeV}, 140\text{ fb}^{-1}$

FCNC tqH $H \rightarrow \tau\tau$

TTH $\tau_{\text{lep}}\tau_{\text{had}}$

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

b-jets fake τ

τ_W

QCD Fake μ

data

Diboson

Rare

$t\bar{t}V$

lepton fake τ

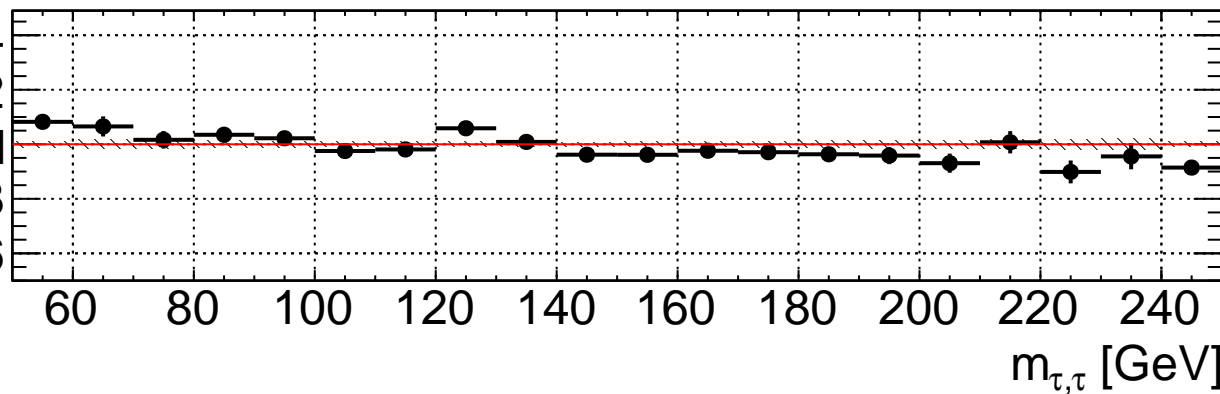
Other Fake τ

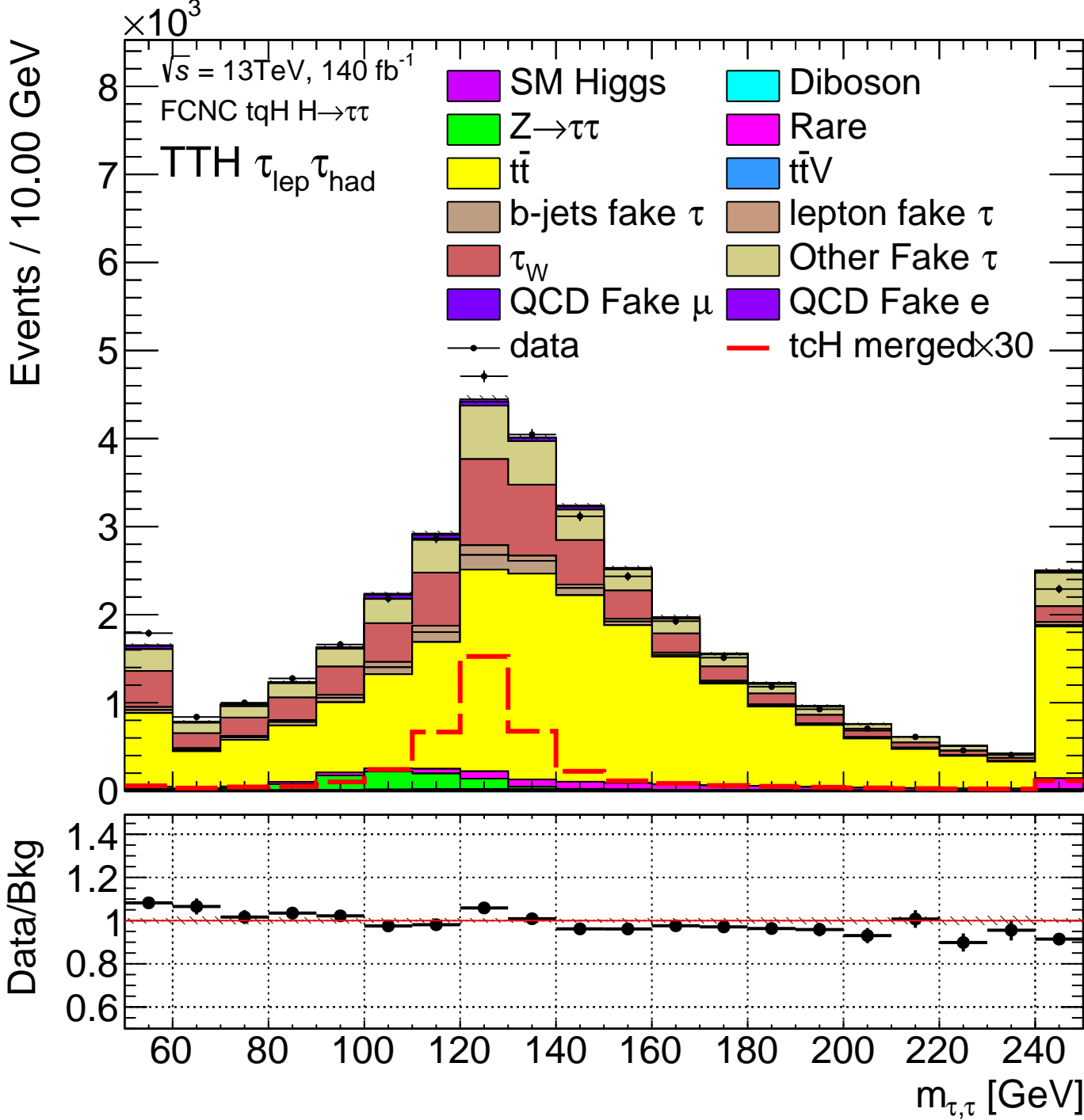
QCD Fake e

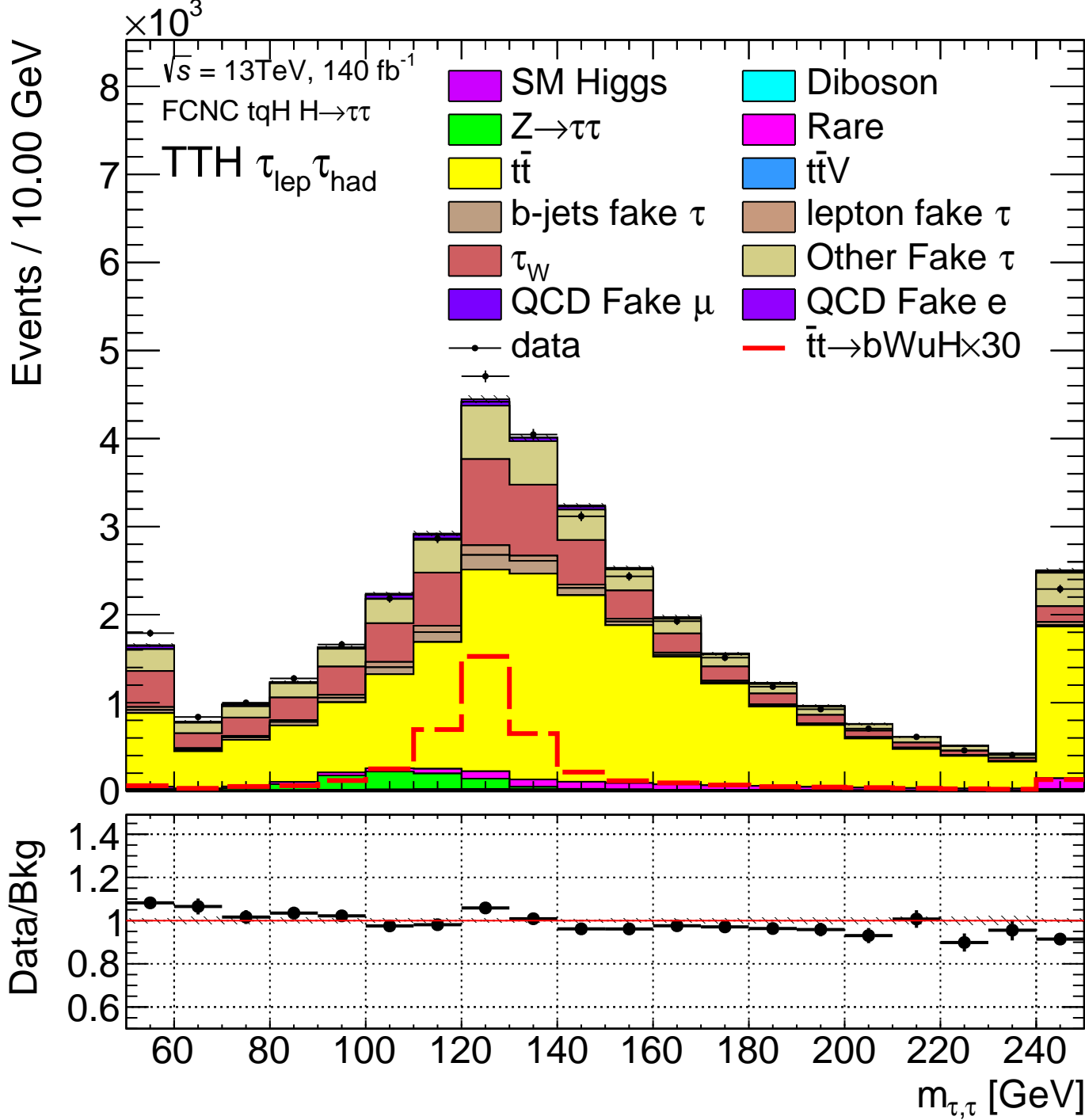
$cg \rightarrow tH \times 900$

Data/Bkg

1.4
1.2
1.0
0.8
0.6







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SM Higgs

 $Z \rightarrow \tau\tau$ $t\bar{t}$ b-jets fake τ τ_W QCD Fake μ

data

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 $t\bar{t}V$ lepton fake τ Other Fake τ

QCD Fake e

 $ug \rightarrow tH \times 100$

Data/Bkg

