

Events / 6.00 GeV

**ATLAS** Internal

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

FCNC tqH  $H \rightarrow \tau\tau$

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

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only  $\tau_{\text{sub}}$  real

data

Diboson

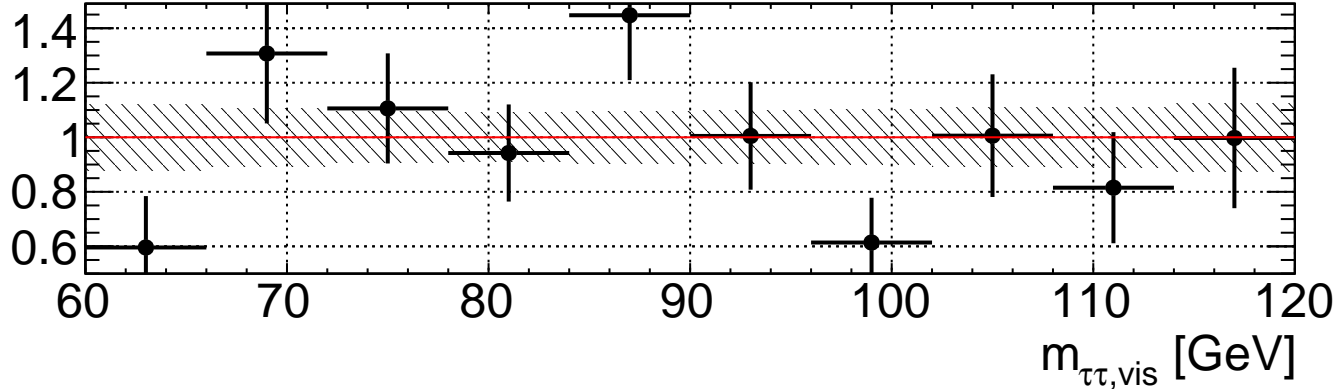
Rare

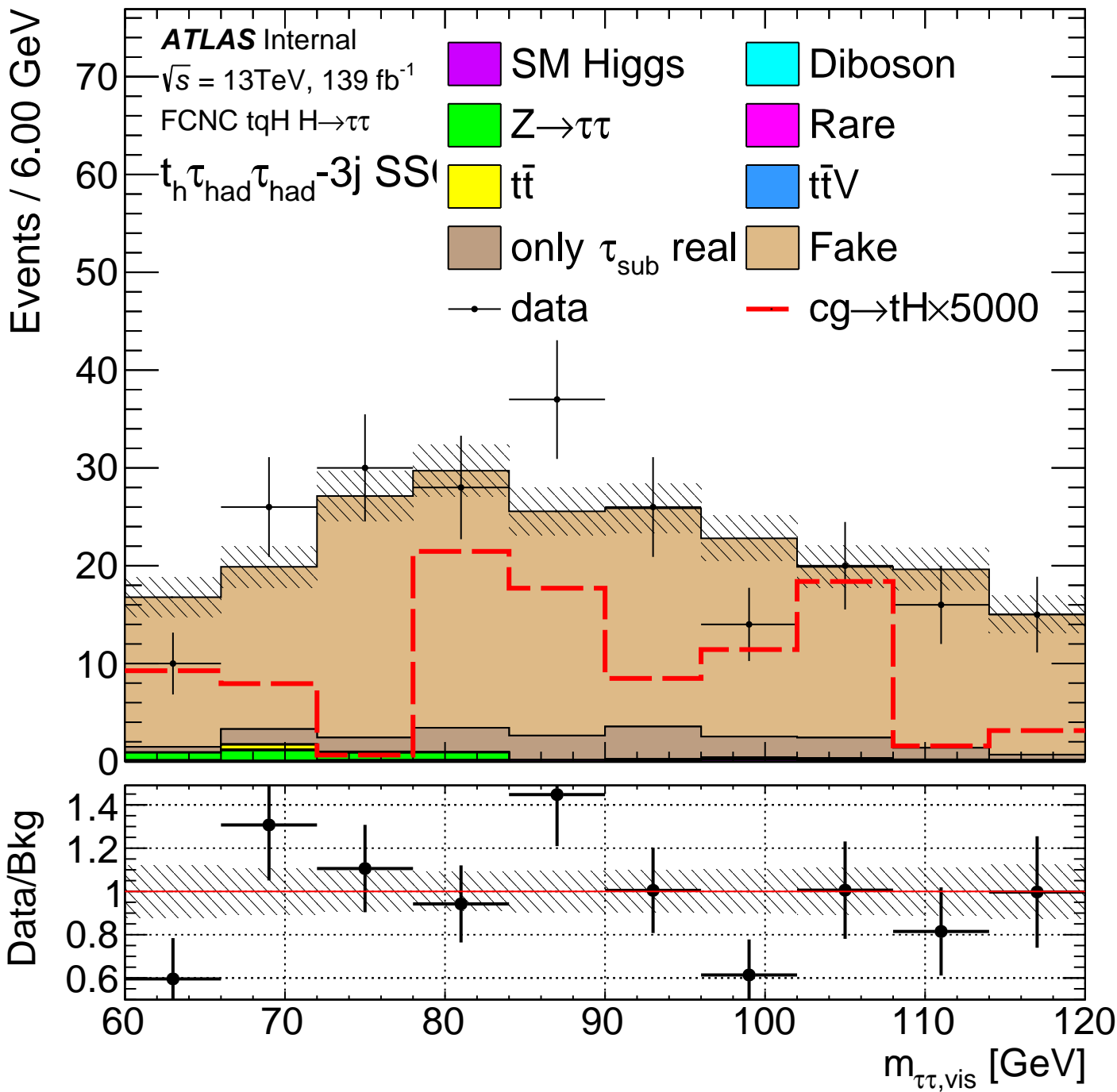
$t\bar{t}V$

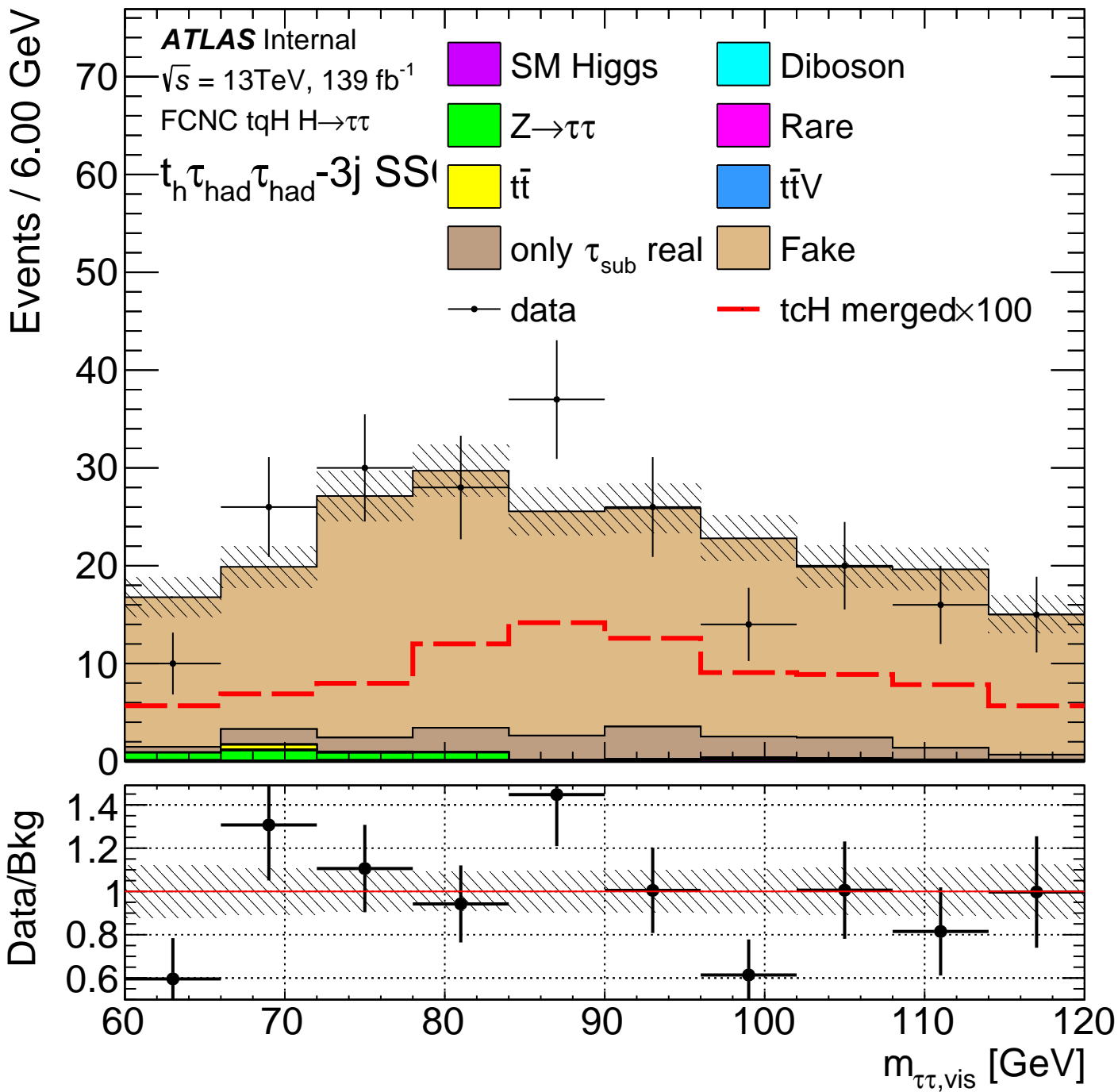
Fake

$t\bar{t} \rightarrow bWcH \times 100$

Data/Bkg







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FCNC  $tqH$   $H \rightarrow \tau\tau$

$t_h \tau_{\text{had}} \tau_{\text{had}}^{-3j} SS(\tau_{\text{had}})$

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only  $\tau_{\text{sub}}$  real

data

Diboson

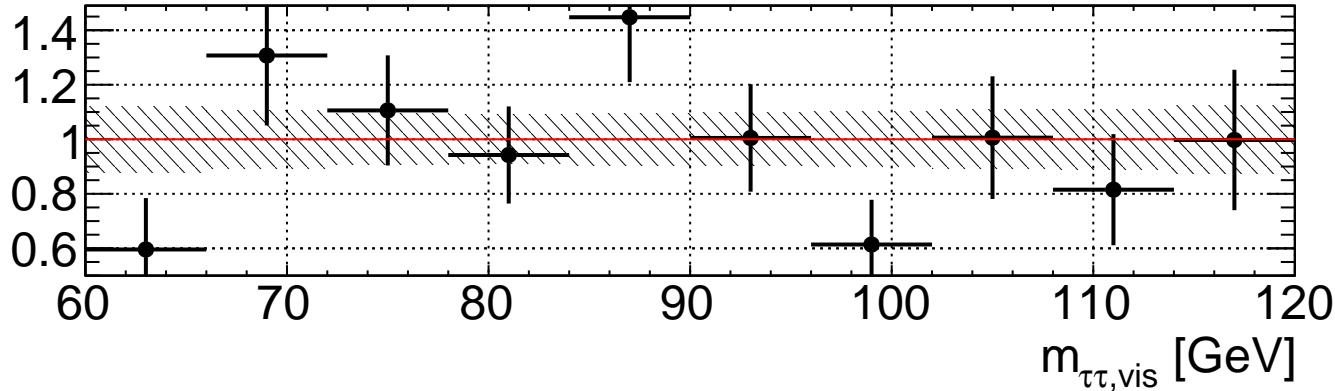
Rare

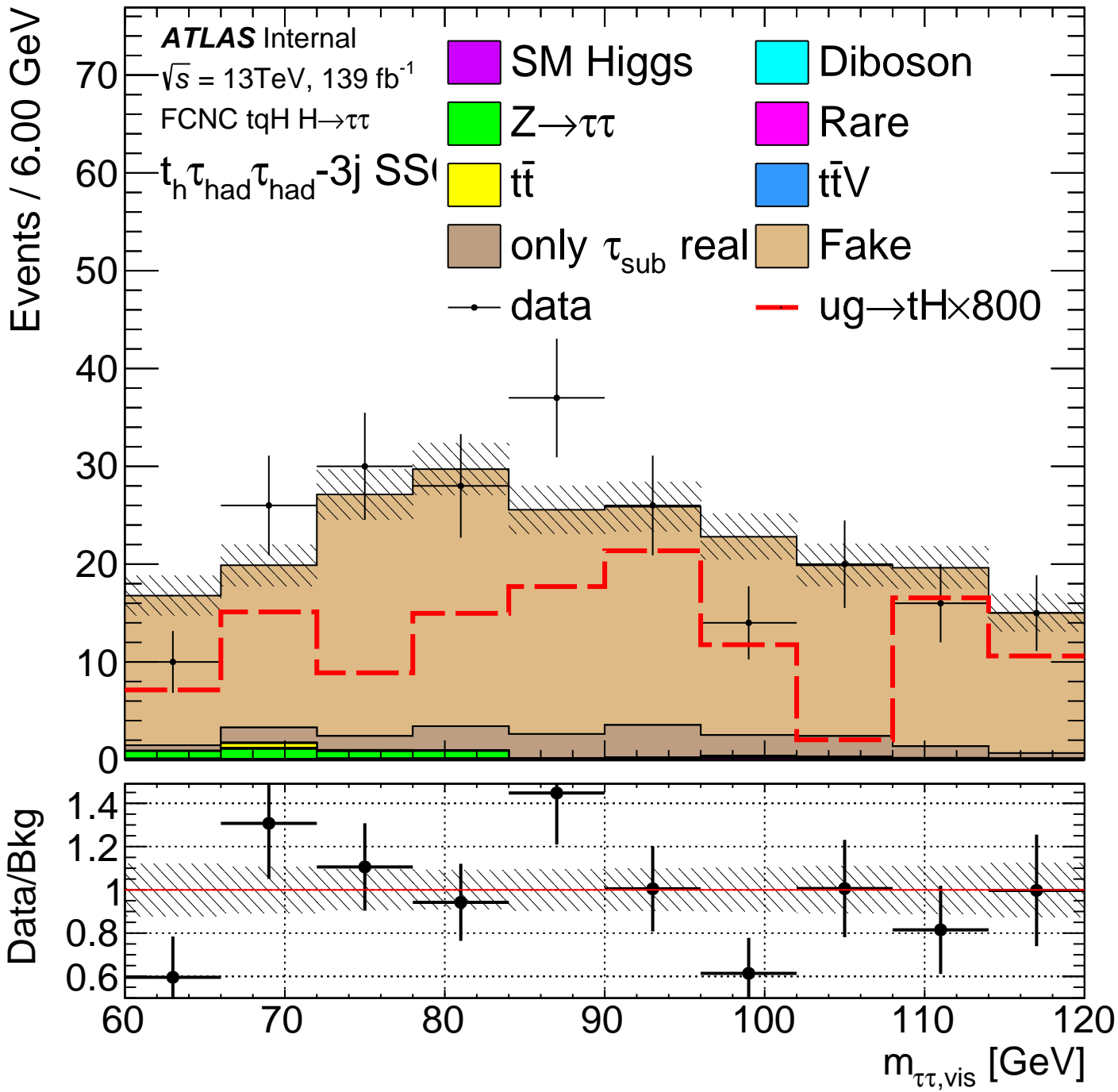
$t\bar{t}V$

Fake

$t\bar{t} \rightarrow bWuH \times 100$

Data/Bkg





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

FCNC tqH  $H \rightarrow \tau\tau$

$t_h \tau_{\text{had}} \tau_{\text{had}} - 3j \text{ SS}($

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only  $\tau_{\text{sub}}$  real

data

Diboson

Rare

$t\bar{t}V$

Fake

tuH merged  $\times 100$

Data/Bkg

