

Events / 6.00 GeV

ATLAS Internal

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

FCNC tqH $H \rightarrow \tau\tau$

STH $\tau_{\text{had}}\tau_{\text{had}}$ $S\bar{S}$

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only τ_{sub} real

data

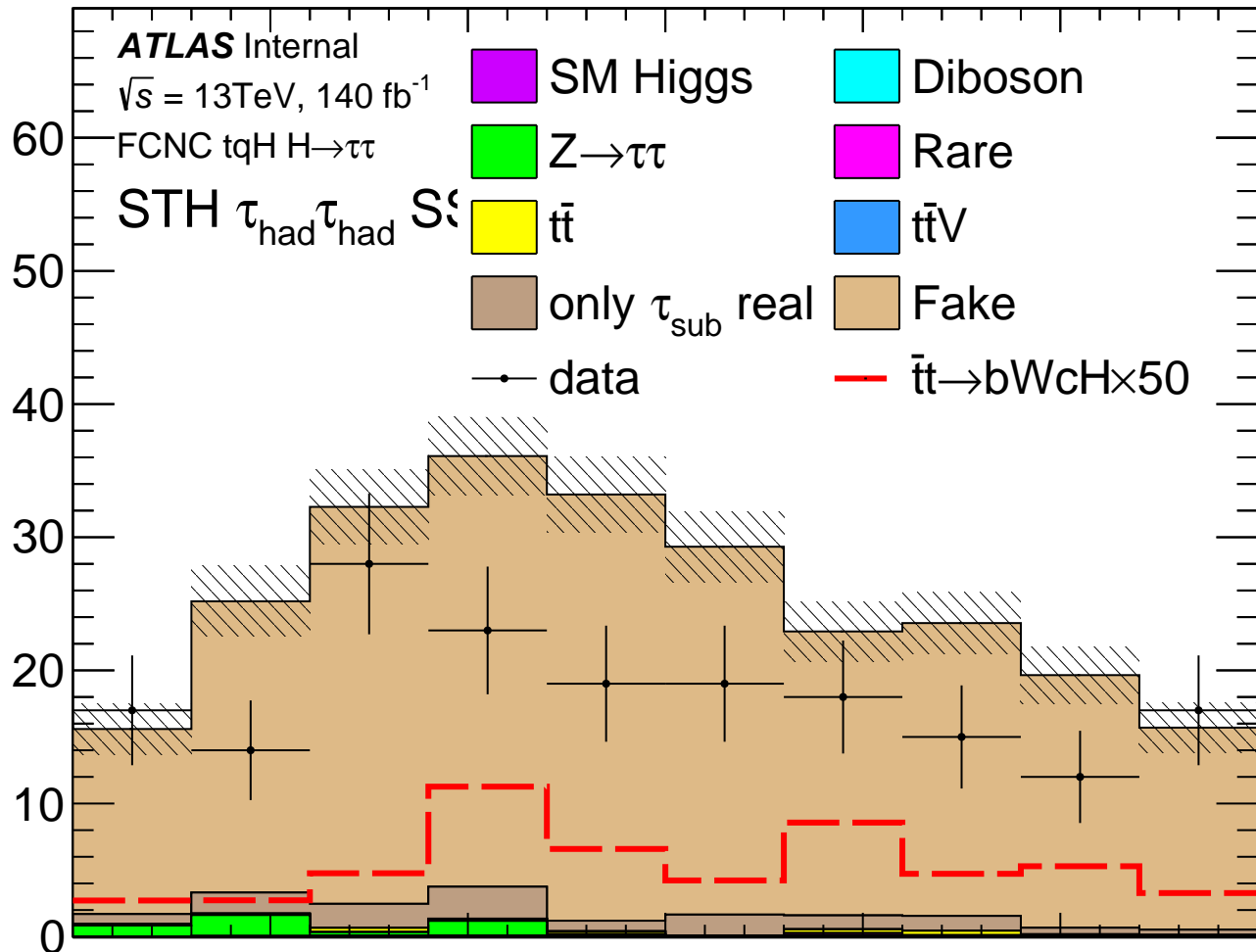
Diboson

Rare

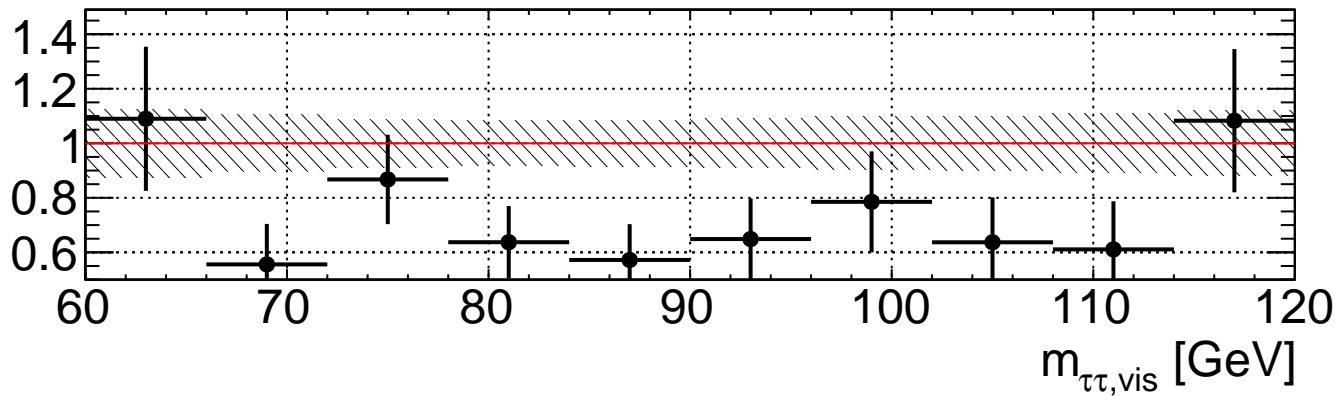
$t\bar{t}V$

Fake

$t\bar{t} \rightarrow bWcH \times 50$



Data/Bkg



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SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only τ_{sub} real

data

Diboson

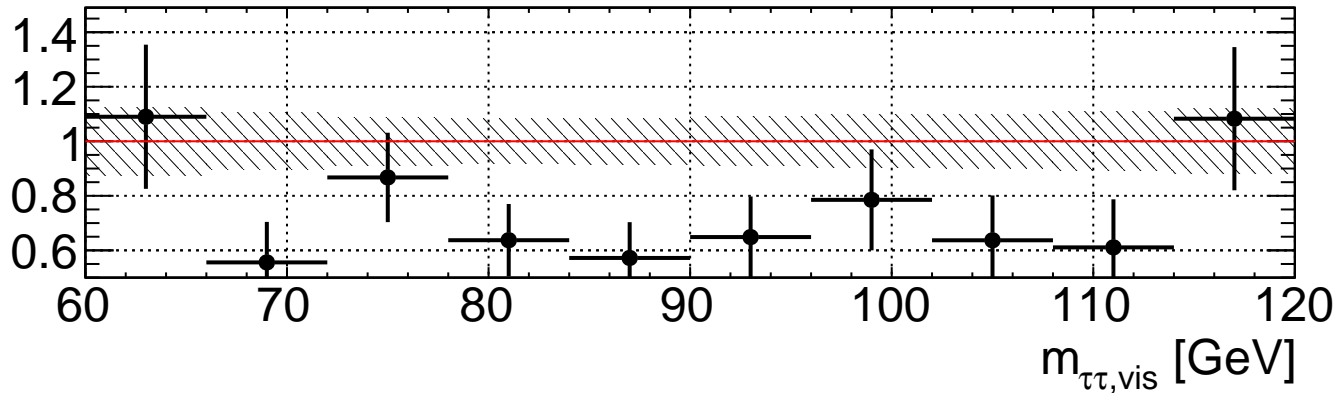
Rare

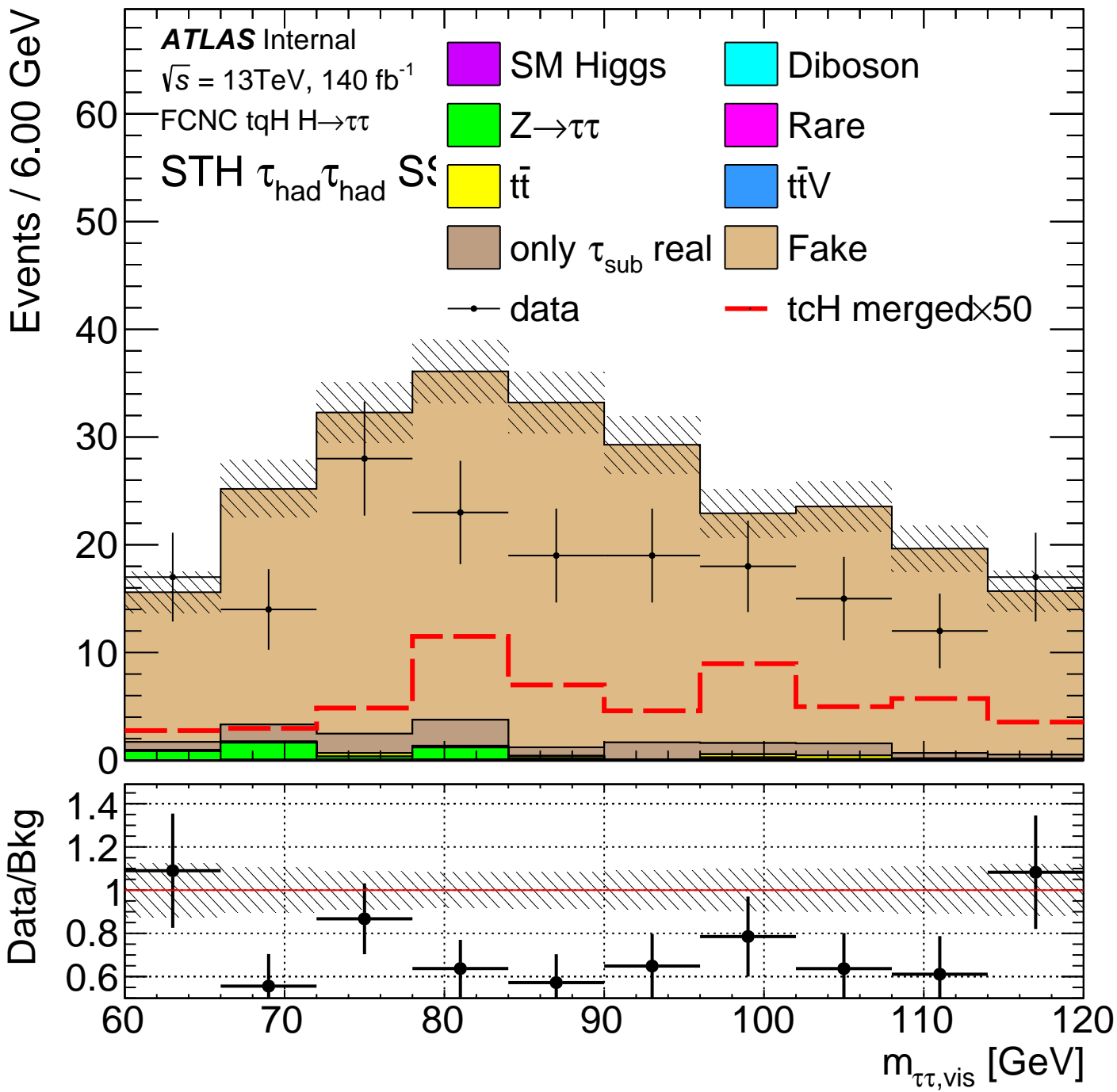
$t\bar{t}V$

Fake

$cg \rightarrow tH \times 1000$

Data/Bkg





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STH $\tau_{\text{had}}\tau_{\text{had}}$ $S\bar{S}$

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only τ_{sub} real

data

Diboson

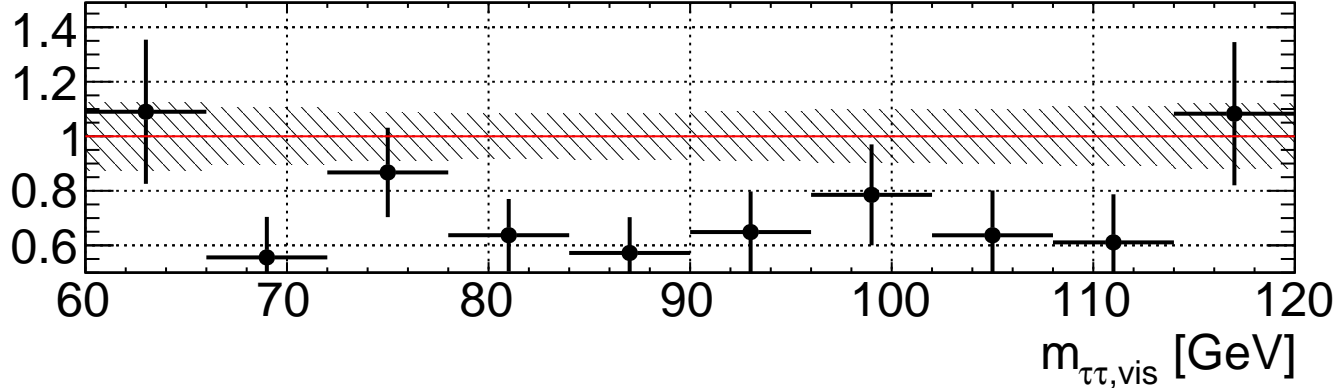
Rare

$t\bar{t}V$

Fake

$t\bar{t} \rightarrow bWuH \times 80$

Data/Bkg



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ATLAS Internal

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FCNC tqH $H \rightarrow \tau\tau$

STH $\tau_{\text{had}}\tau_{\text{had}}$

SS

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only τ_{sub} real

data

Diboson

Rare

$t\bar{t}V$

Fake

$ug \rightarrow tH \times 200$

Data/Bkg

