

Events / 5.00 GeV

**ATLAS** Internal $\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$ FCNC tqH  $H \rightarrow \tau\tau$ 

SS CR

SM Higgs

 $Z \rightarrow \tau\tau$  $t\bar{t}$ only  $\tau_{\text{sub}}$  real

data

Diboson

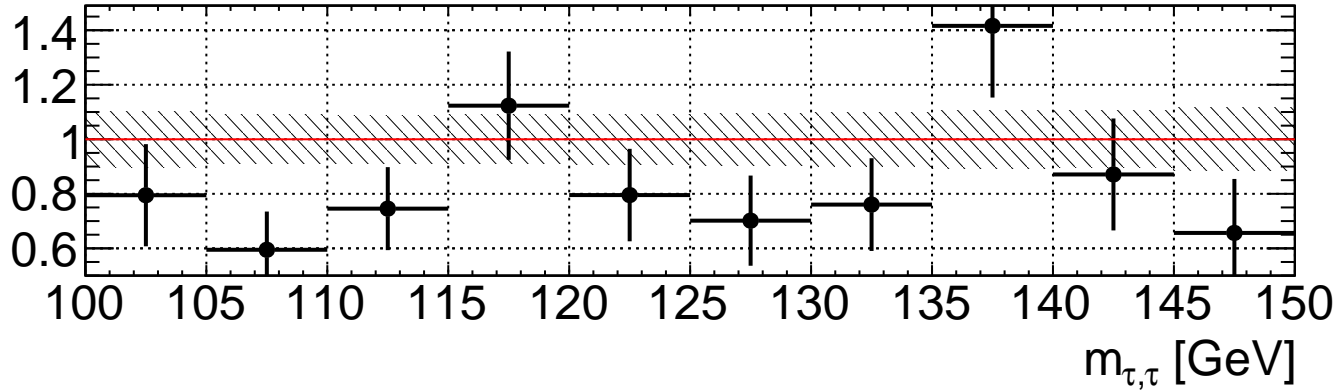
Rare

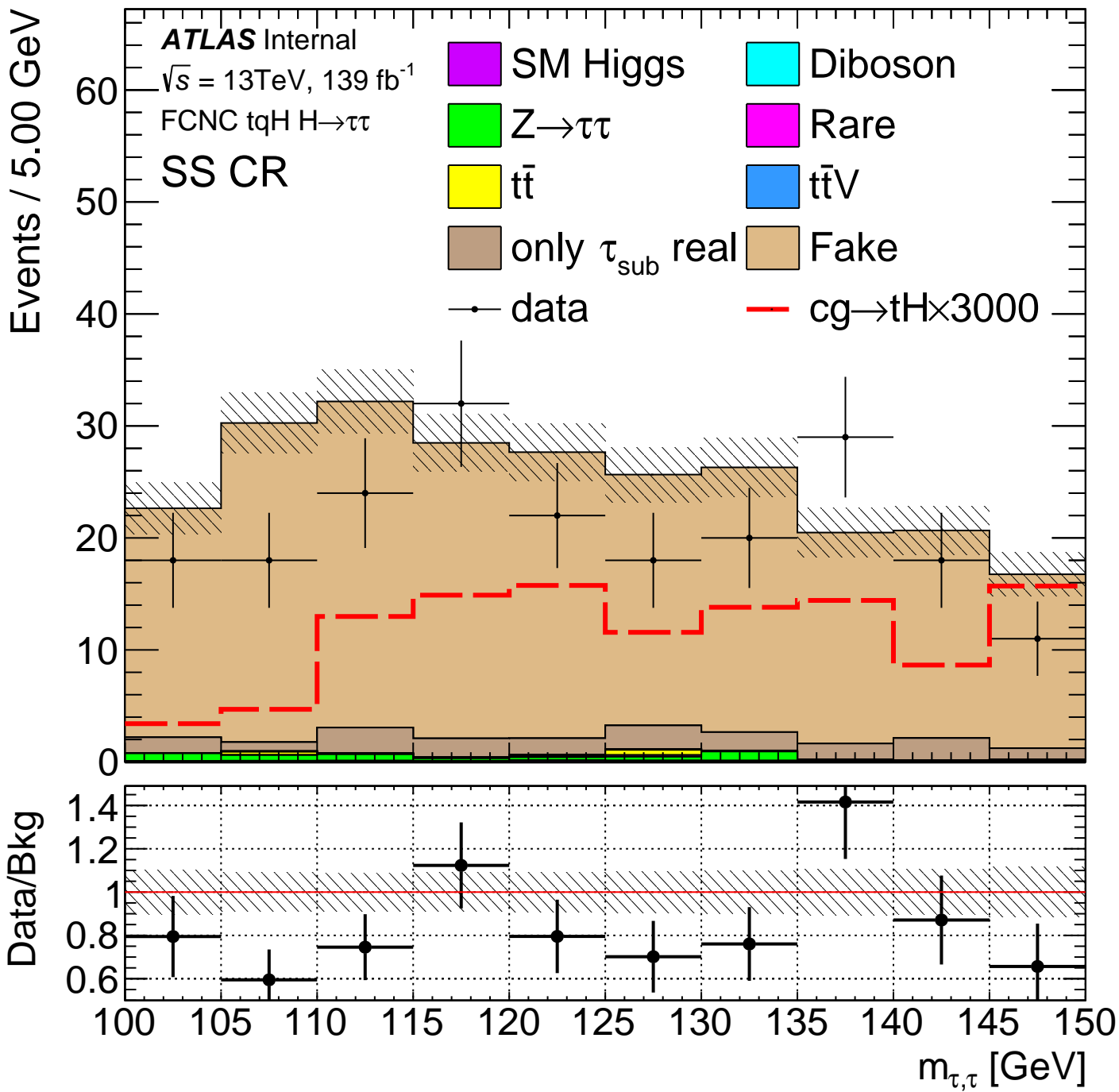
 $t\bar{t}V$ 

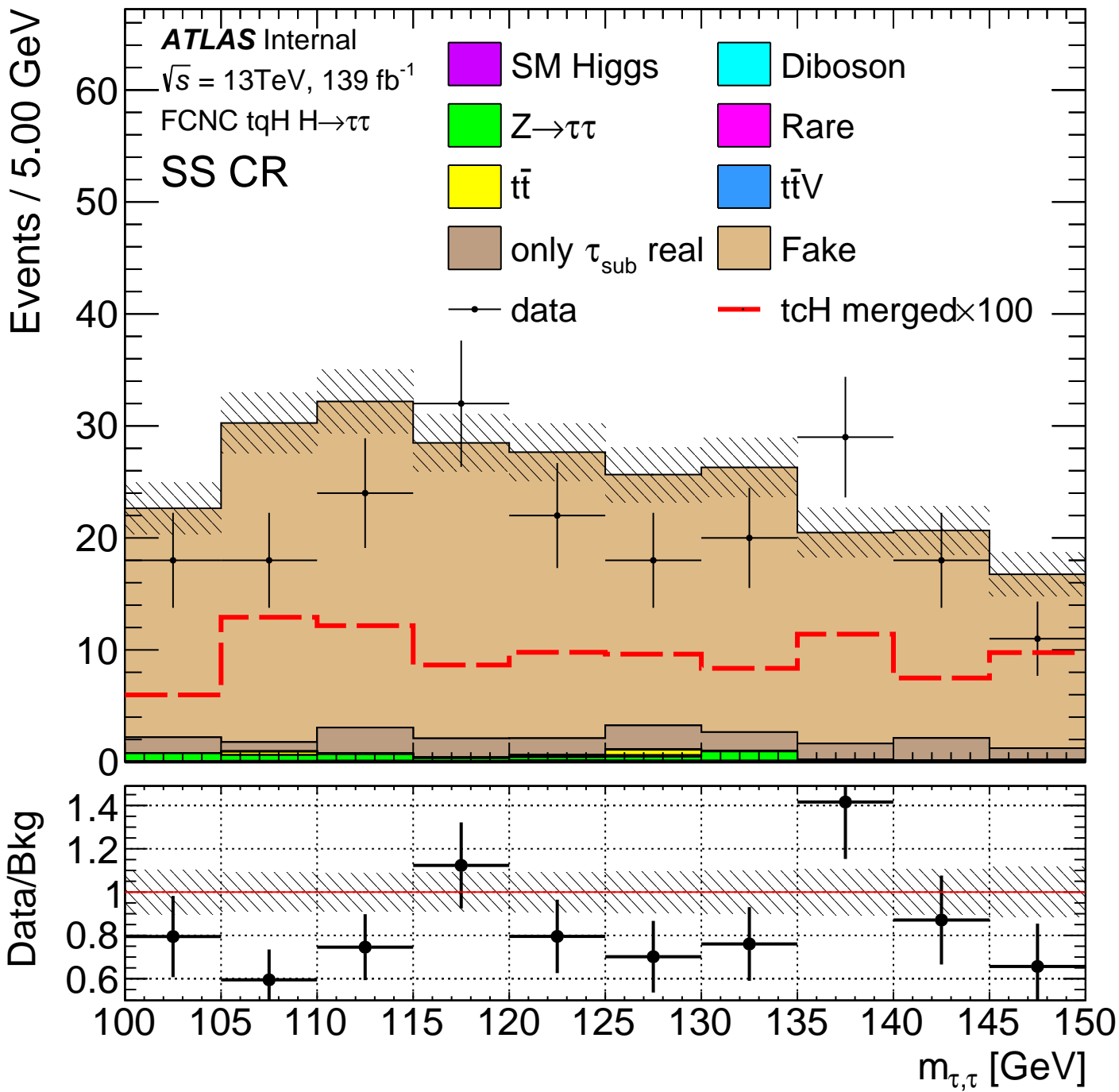
Fake

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

Data/Bkg

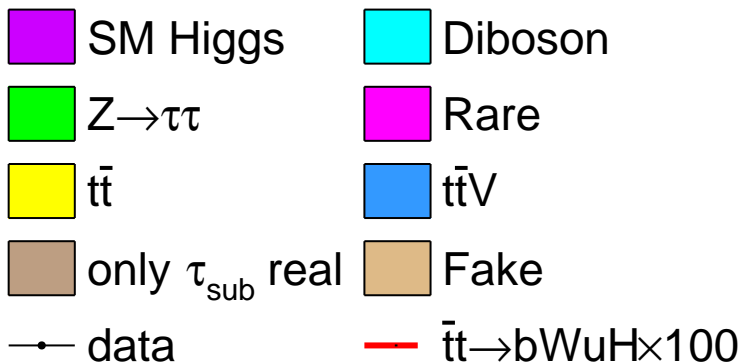




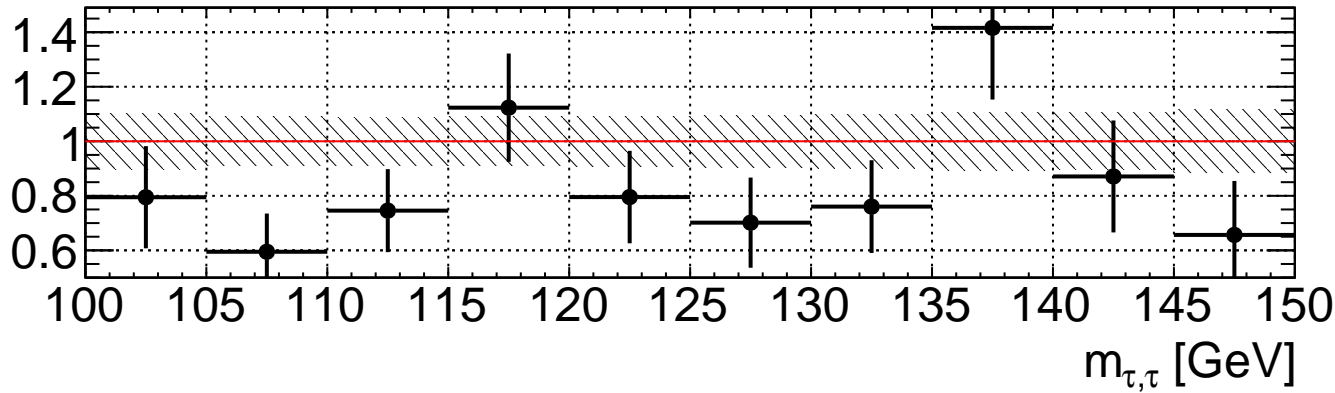


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only  $\tau_{\text{sub}}$  real

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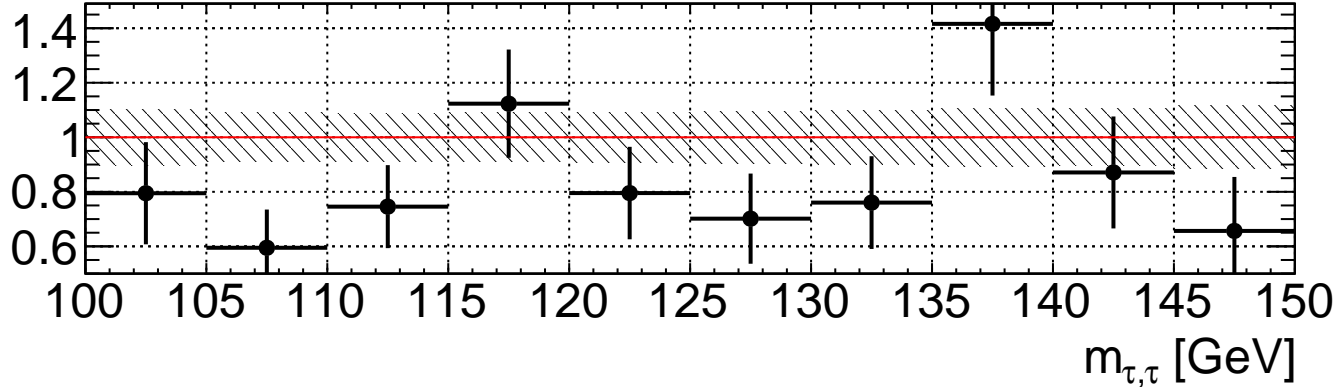
Rare

$t\bar{t}V$

Fake

$ug \rightarrow tH \times 400$

Data/Bkg



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SM Higgs

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$t\bar{t}$

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data

Diboson

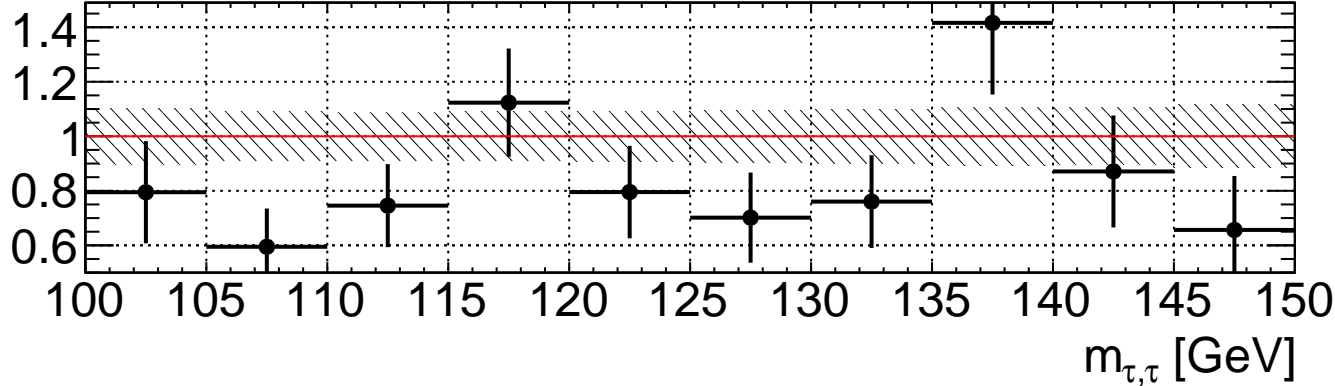
Rare

$t\bar{t}V$

Fake

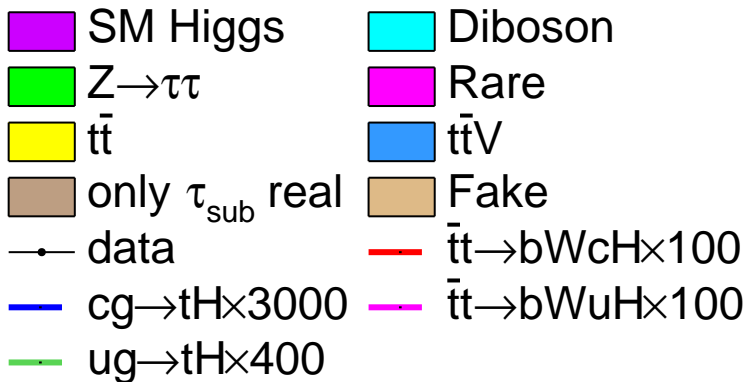
tuH merged  $\times 100$

Data/Bkg



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SS CR



Data/Bkg

