

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

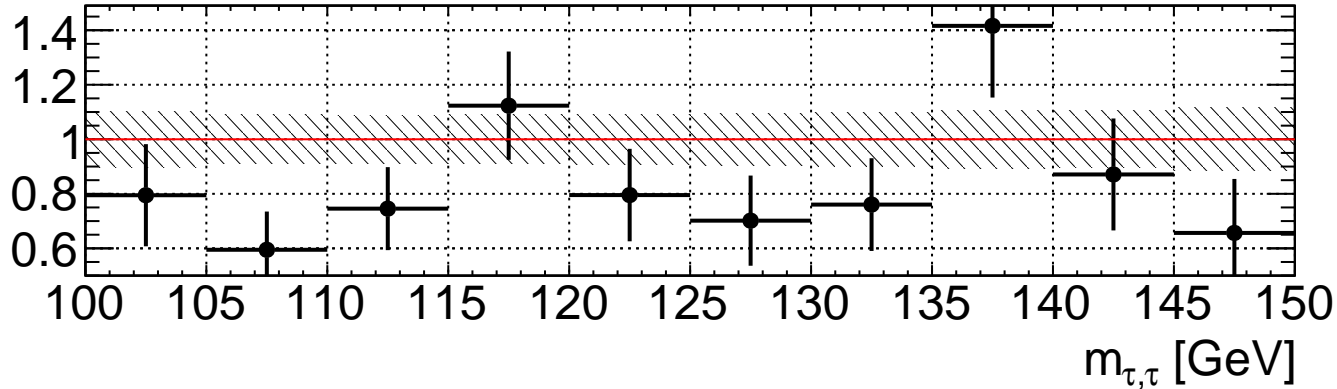
Rare

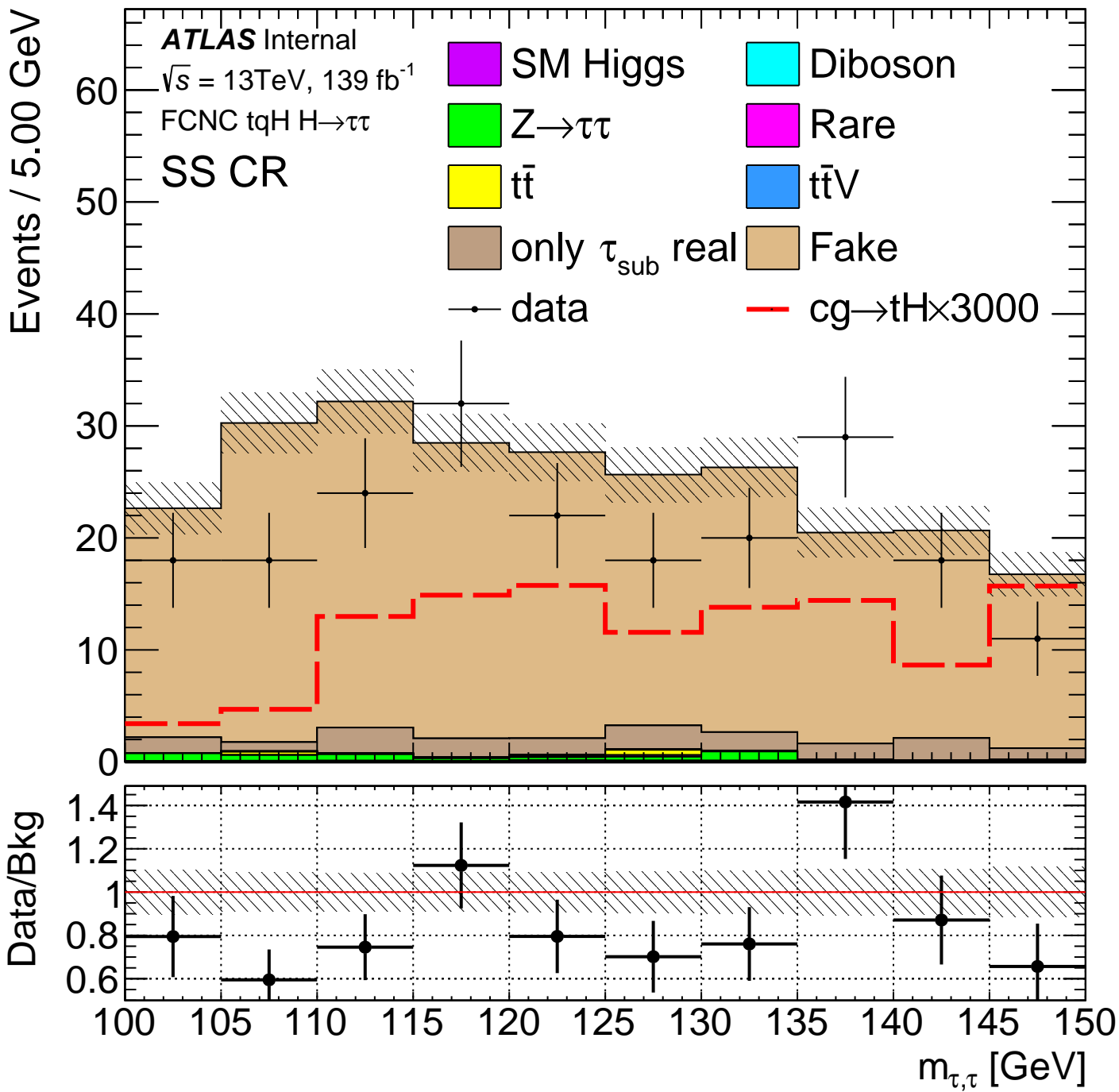
 $t\bar{t}V$ 

Fake

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

Data/Bkg





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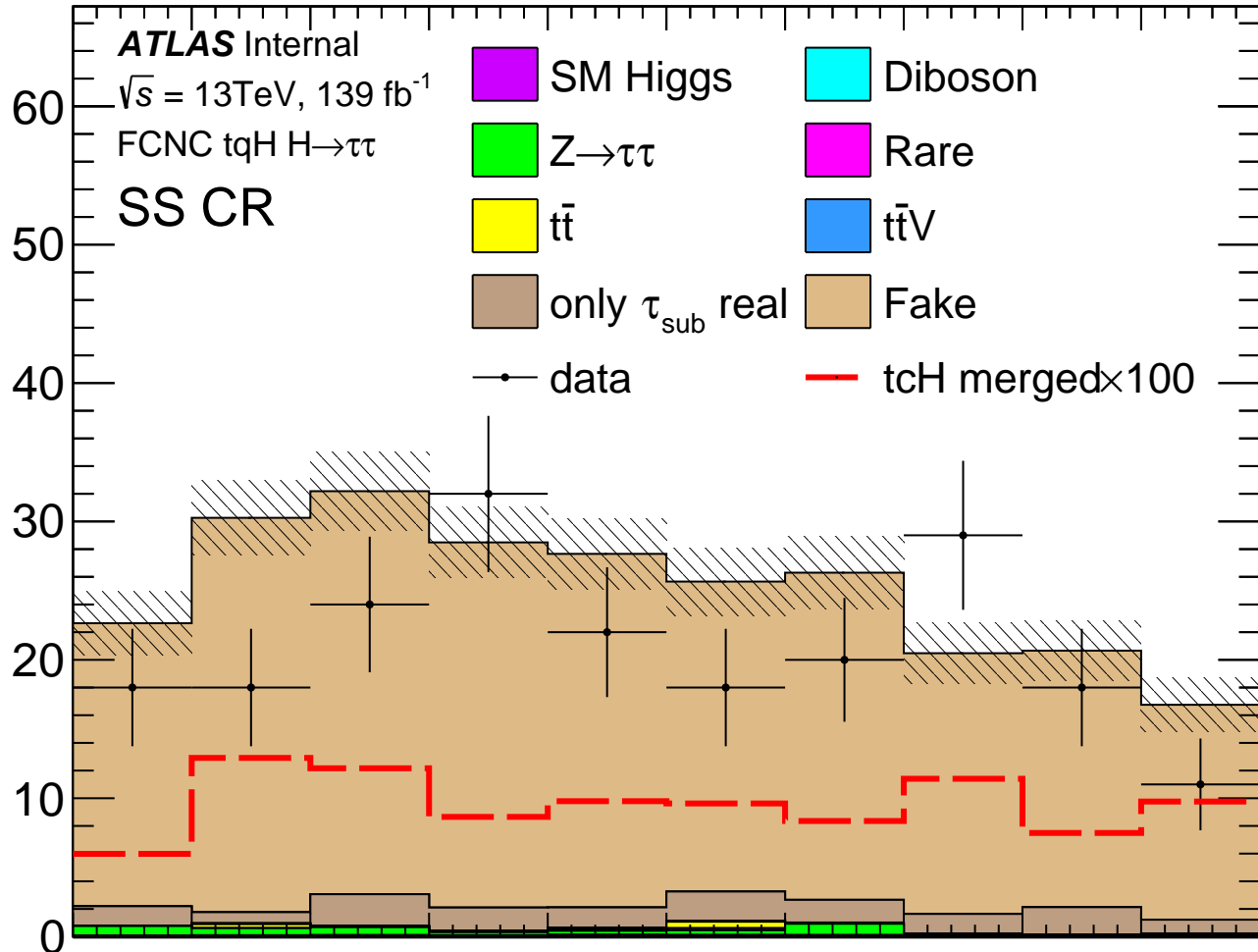
Diboson

Rare

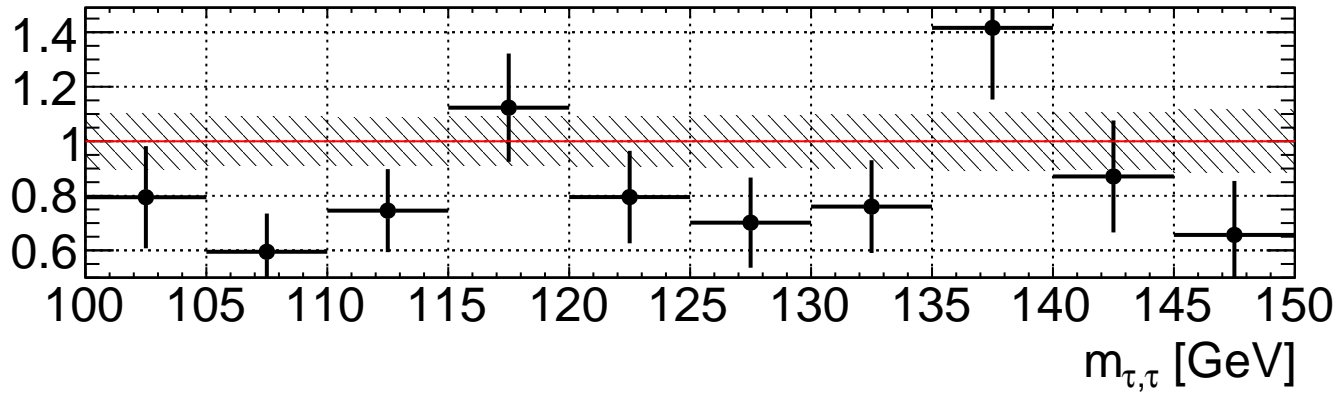
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tcH merged  $\times 100$



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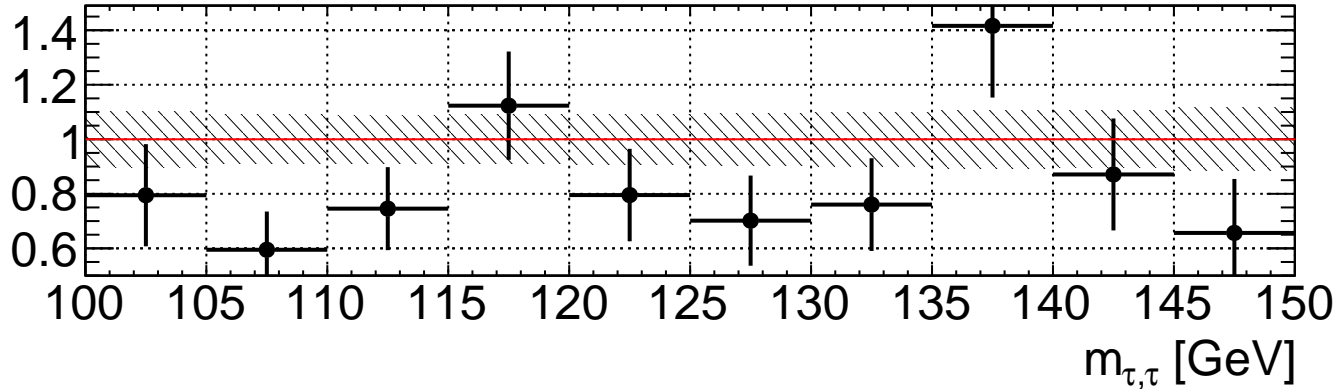
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 $t\bar{t}V$ 

Fake

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

Data/Bkg

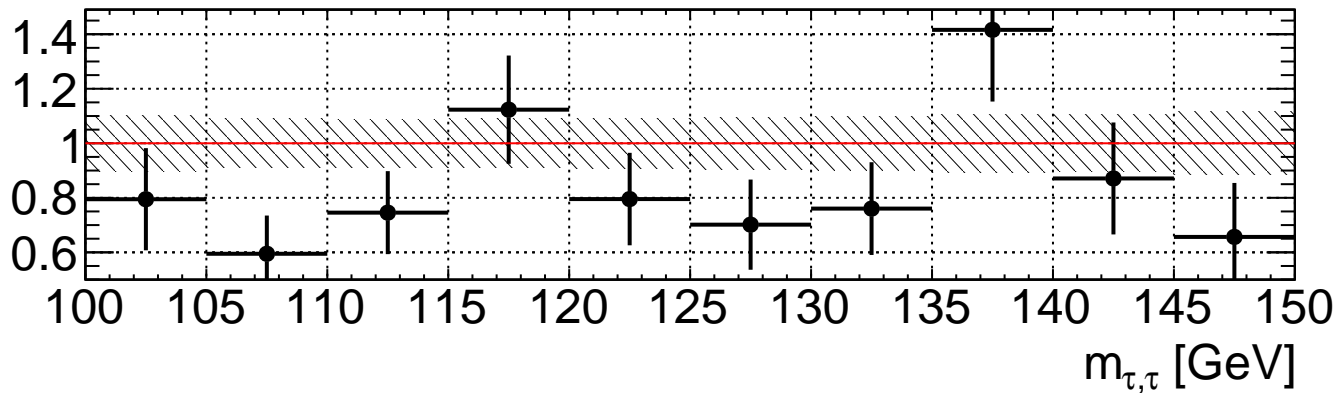


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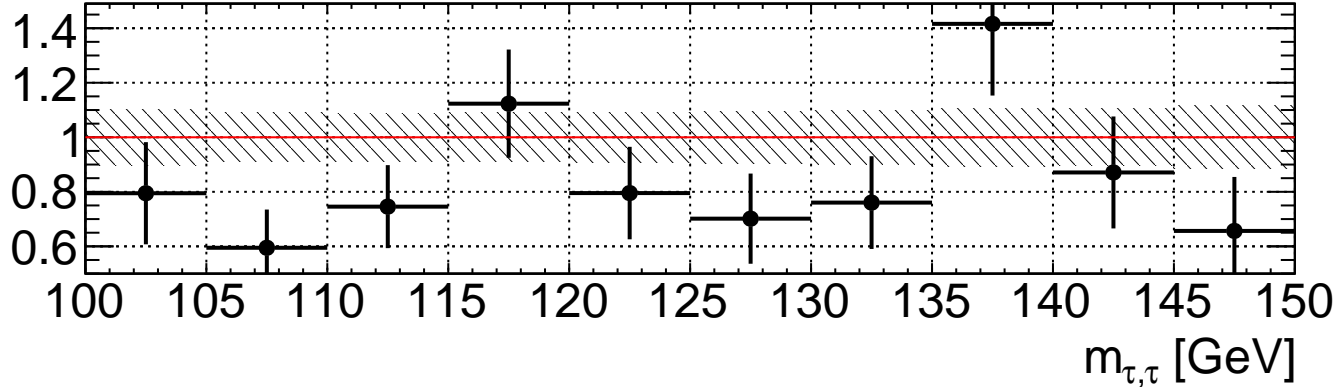
Rare

$t\bar{t}V$

Fake

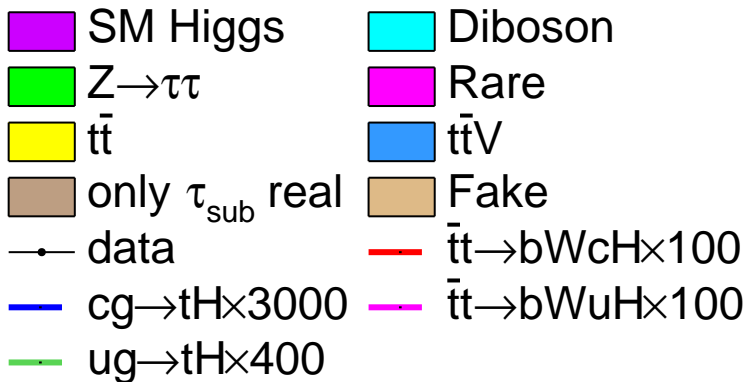
tuH merged  $\times 100$

Data/Bkg



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SS CR



Data/Bkg

