

Events / 0.30

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

$t_h \tau_{\text{had}} \tau_{\text{had}} - 2j \text{ SS}($

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only τ_{sub} real

data

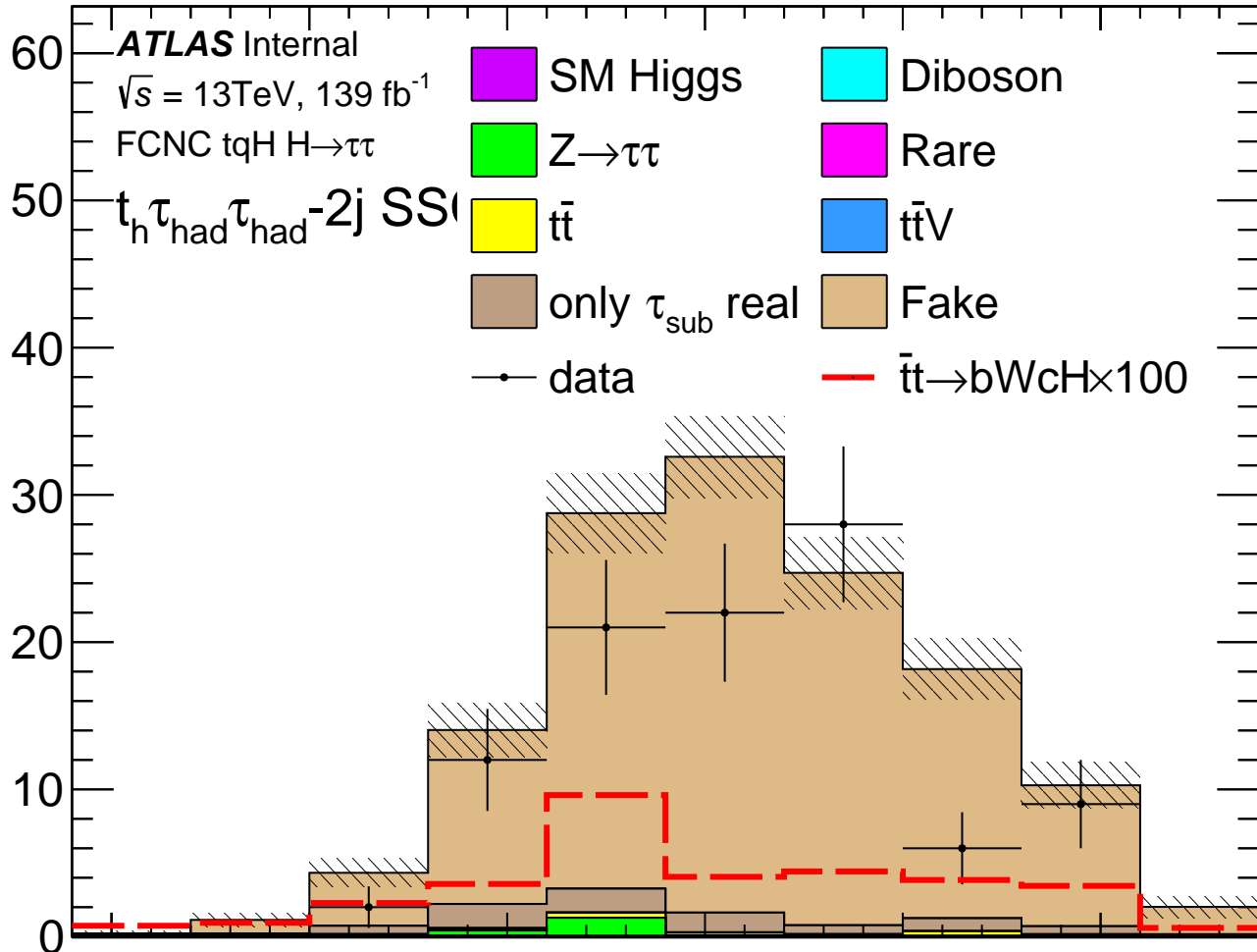
Diboson

Rare

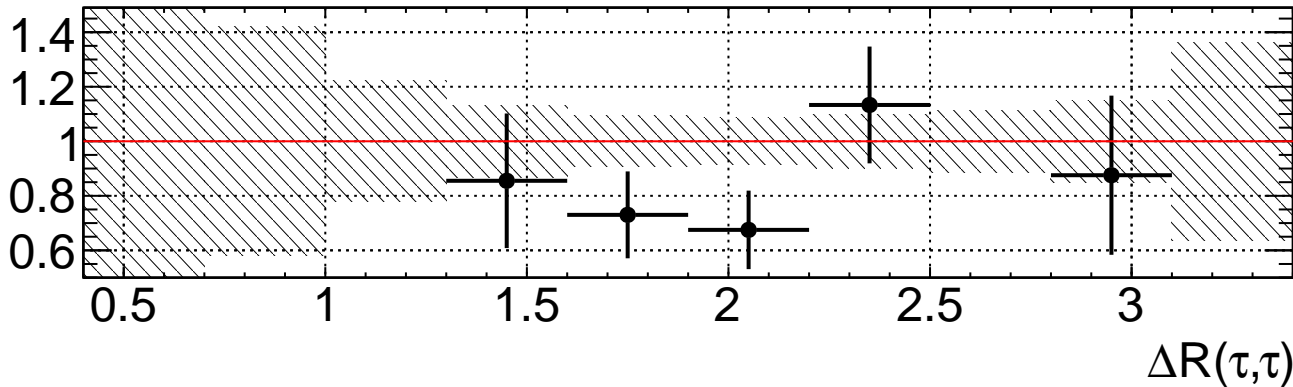
$t\bar{t}V$

Fake

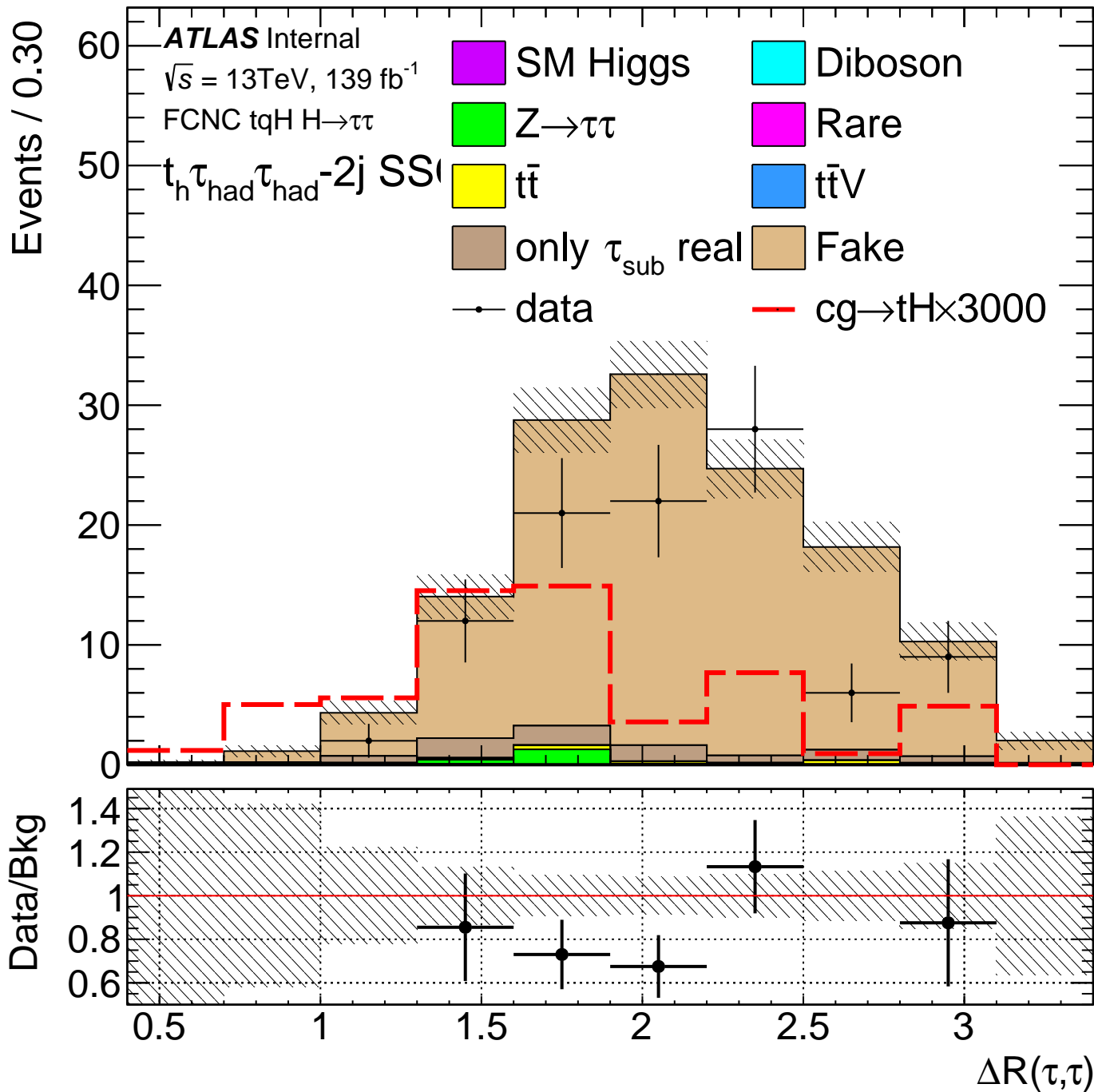
$t\bar{t} \rightarrow bWcH \times 100$

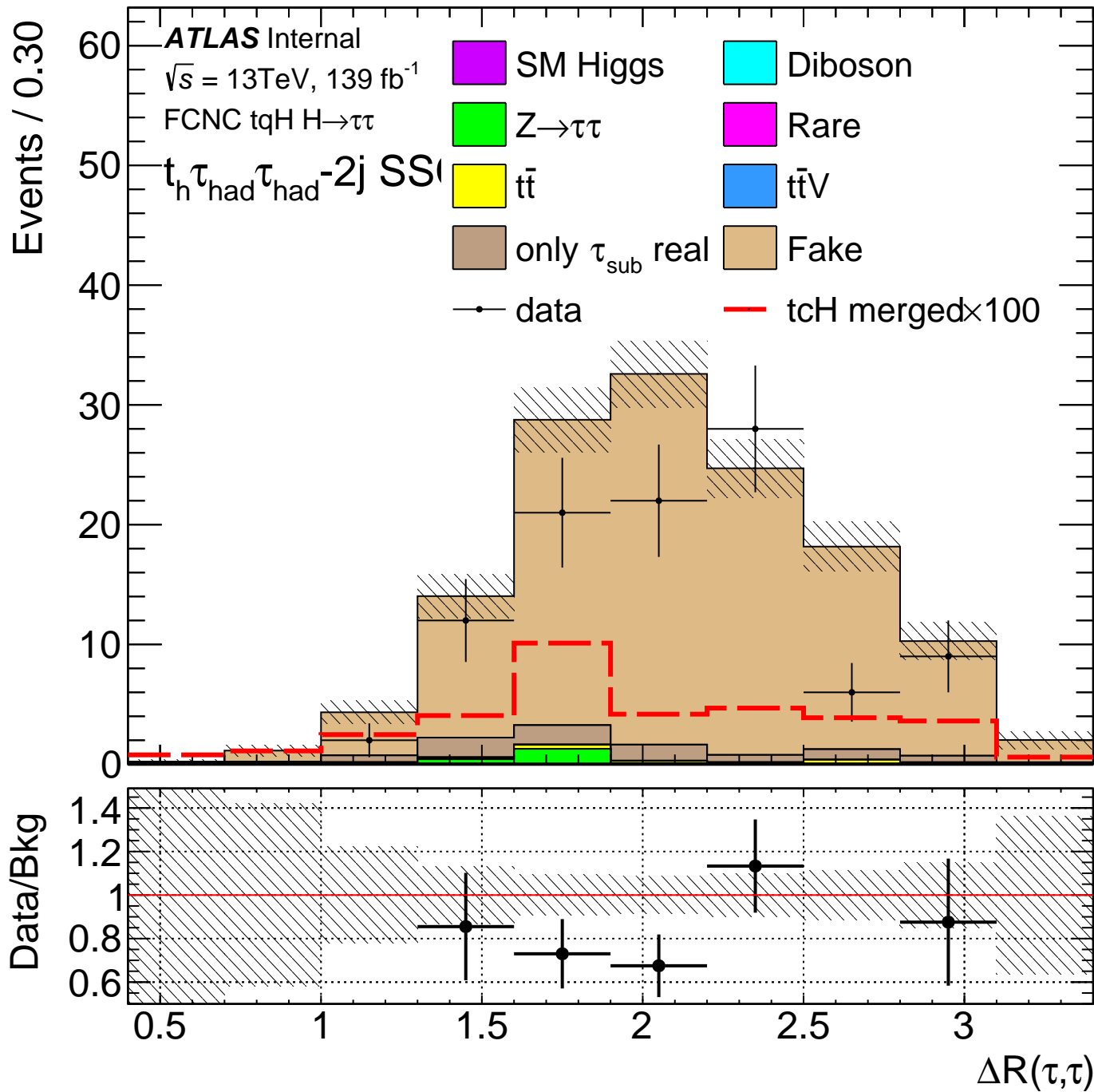


Data/Bkg



$\Delta R(\tau, \tau)$





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SM Higgs

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

data

Diboson

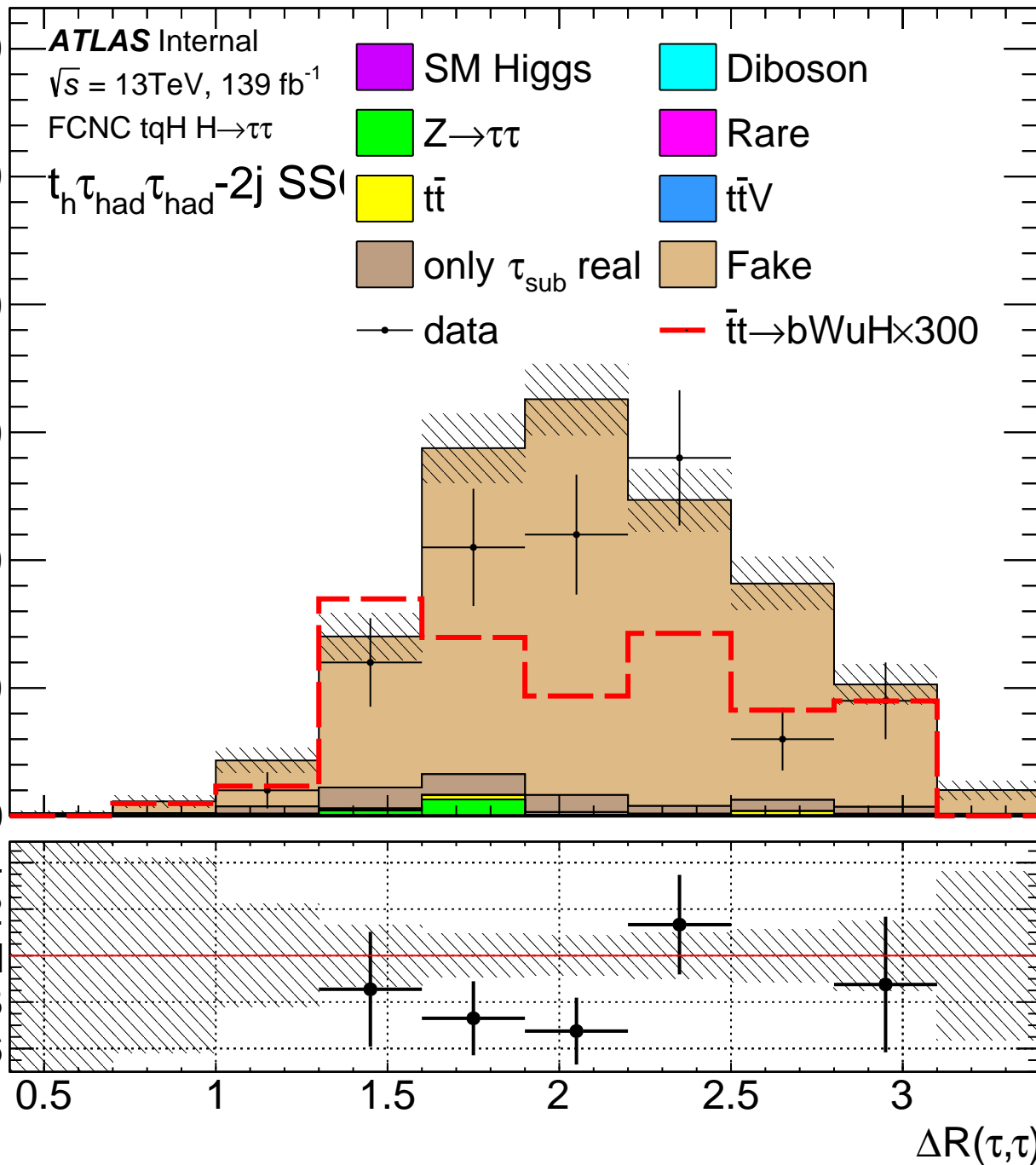
Rare

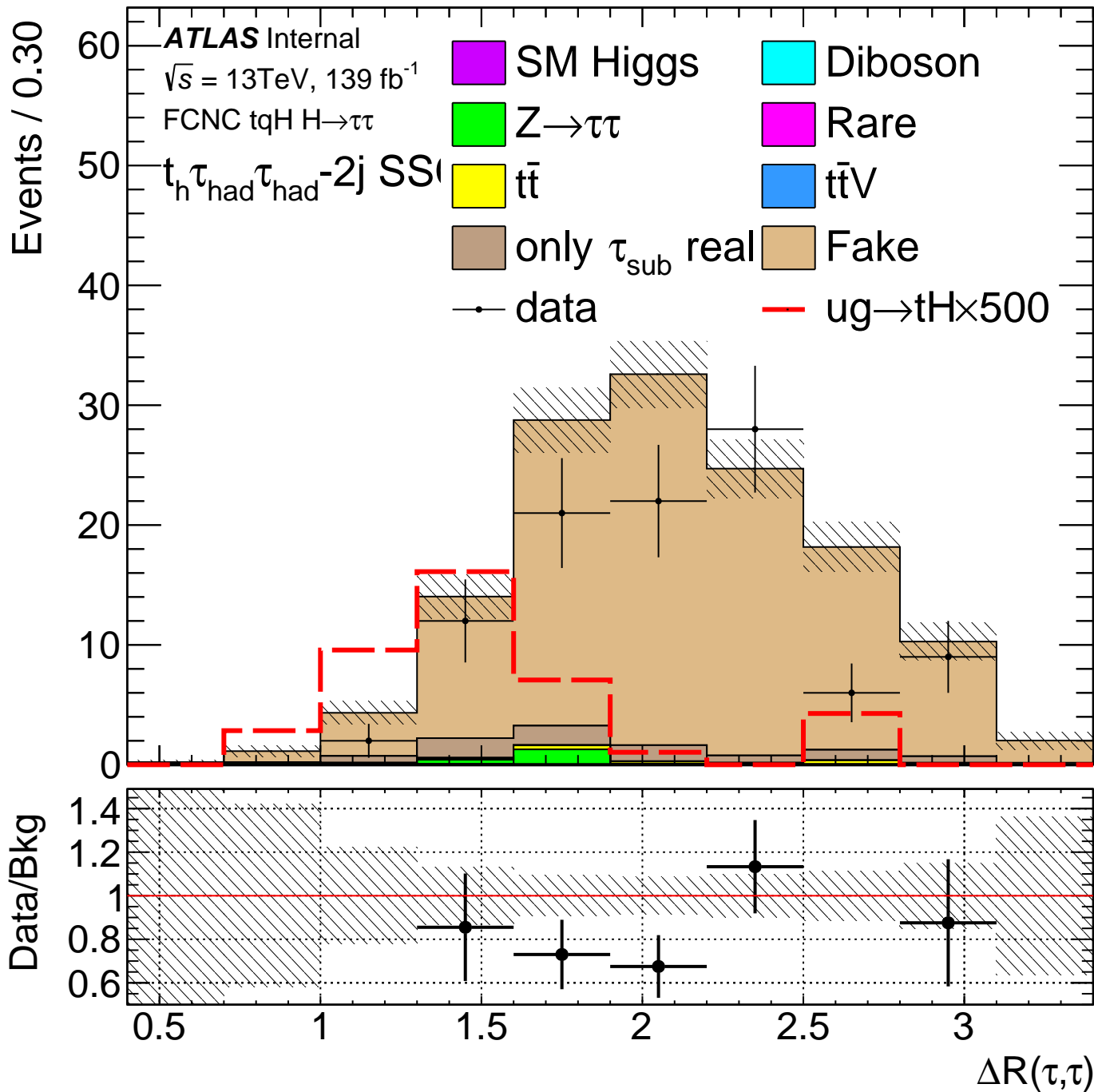
 $t\bar{t}V$

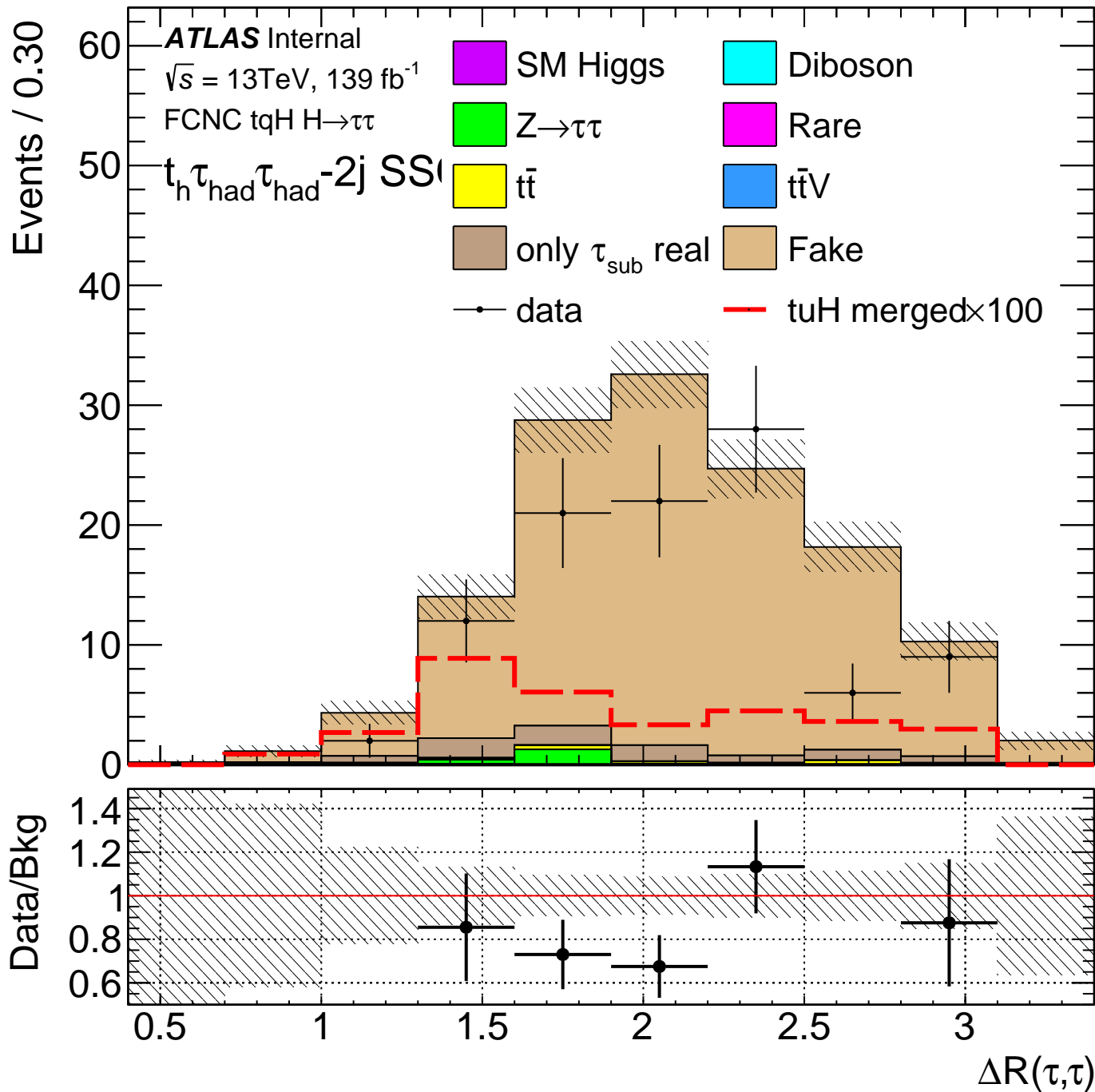
Fake

 $t\bar{t} \rightarrow bWuH \times 300$

Data/Bkg

 $\Delta R(\tau, \tau)$ 





Events / 0.30

ATLAS Internal

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FCNC tqH $H \rightarrow \tau\tau$

$t_h \tau_{\text{had}} \tau_{\text{had}} - 2j \text{ SS}($

SM Higgs

$Z \rightarrow \tau\tau$

$t\bar{t}$

only τ_{sub} real

data

$cg \rightarrow tH \times 3000$

$ug \rightarrow tH \times 500$

Diboson

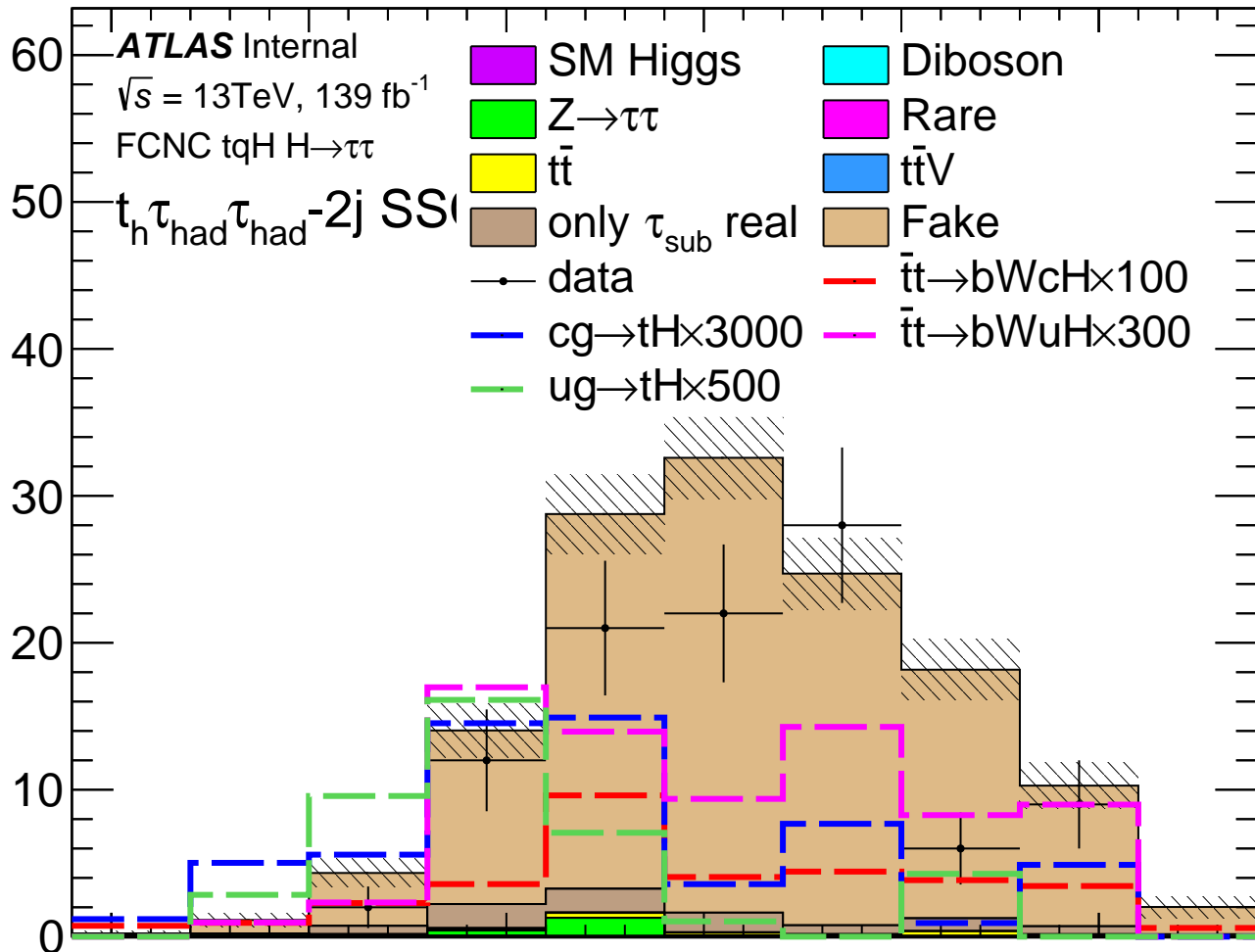
Rare

$t\bar{t}V$

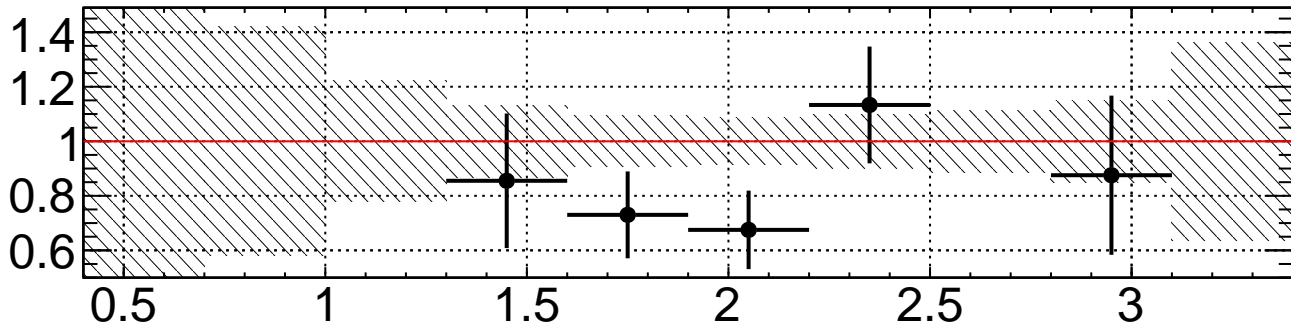
Fake

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

$t\bar{t} \rightarrow bWuH \times 300$



Data/Bkg



$\Delta R(\tau, \tau)$