

Events / 0.25

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

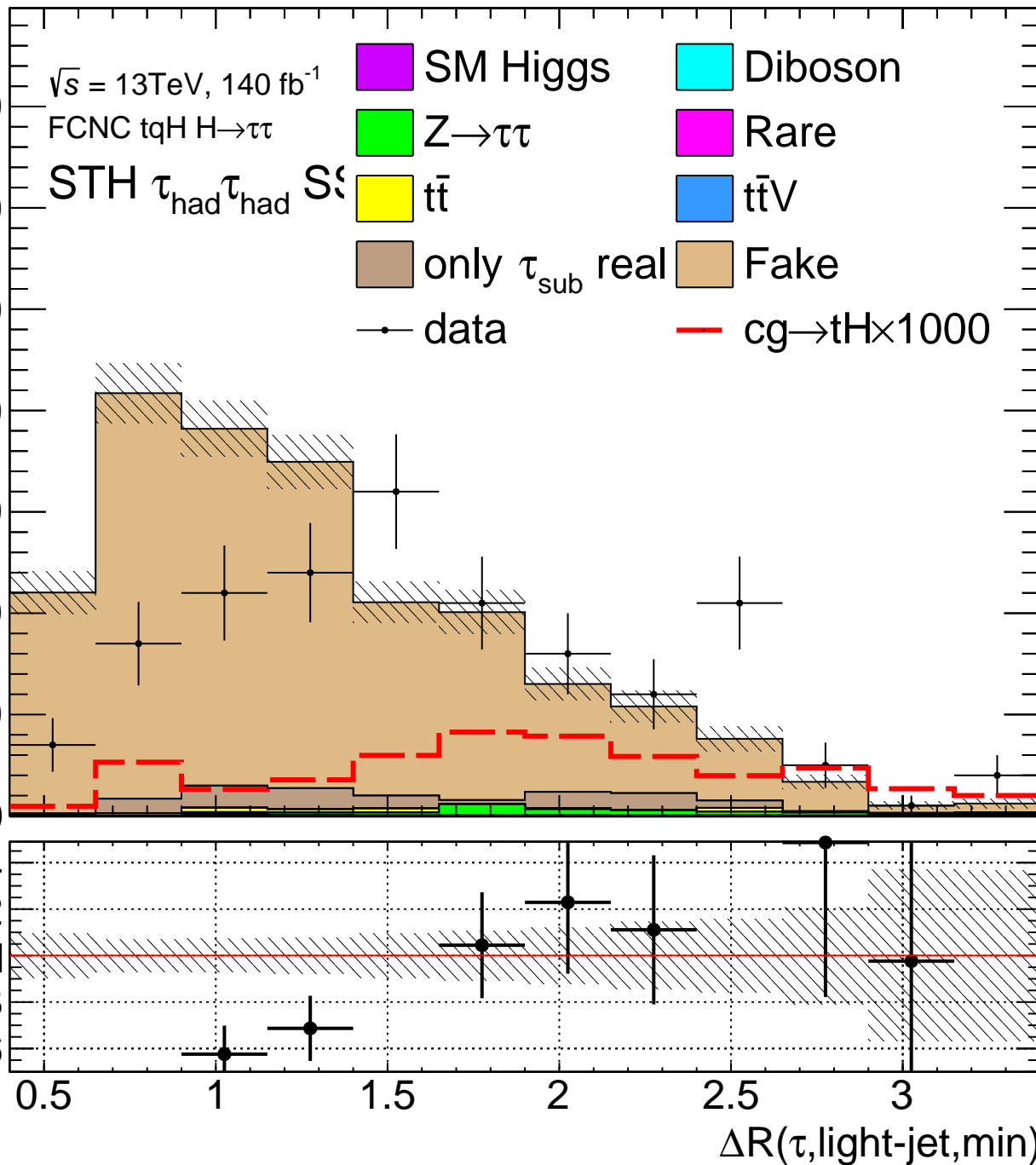
Rare

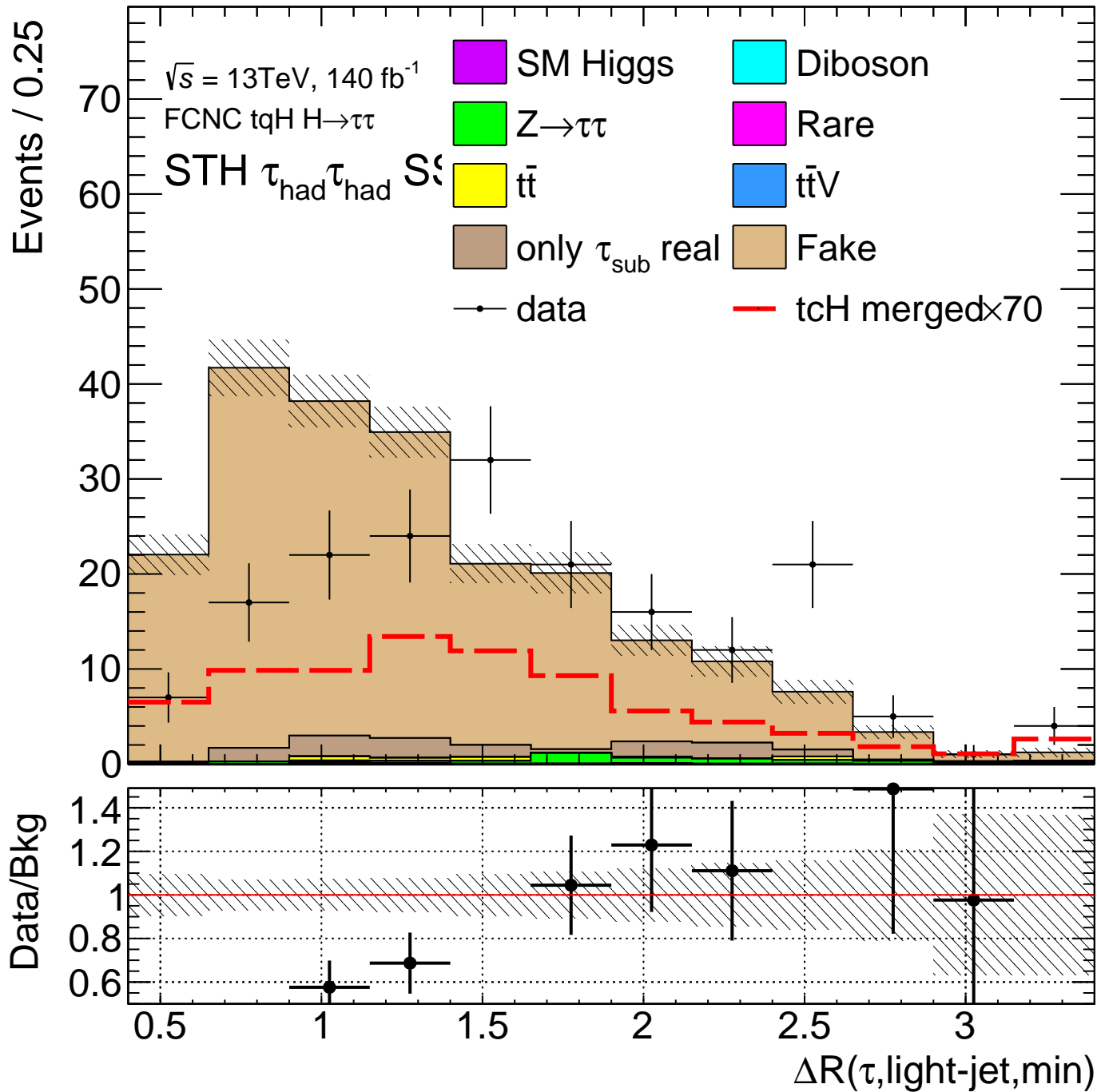
 $t\bar{t}V$

Fake

— $cg \rightarrow tH \times 1000$

Data/Bkg

 $\Delta R(\tau, \text{light-jet}, \text{min})$ 



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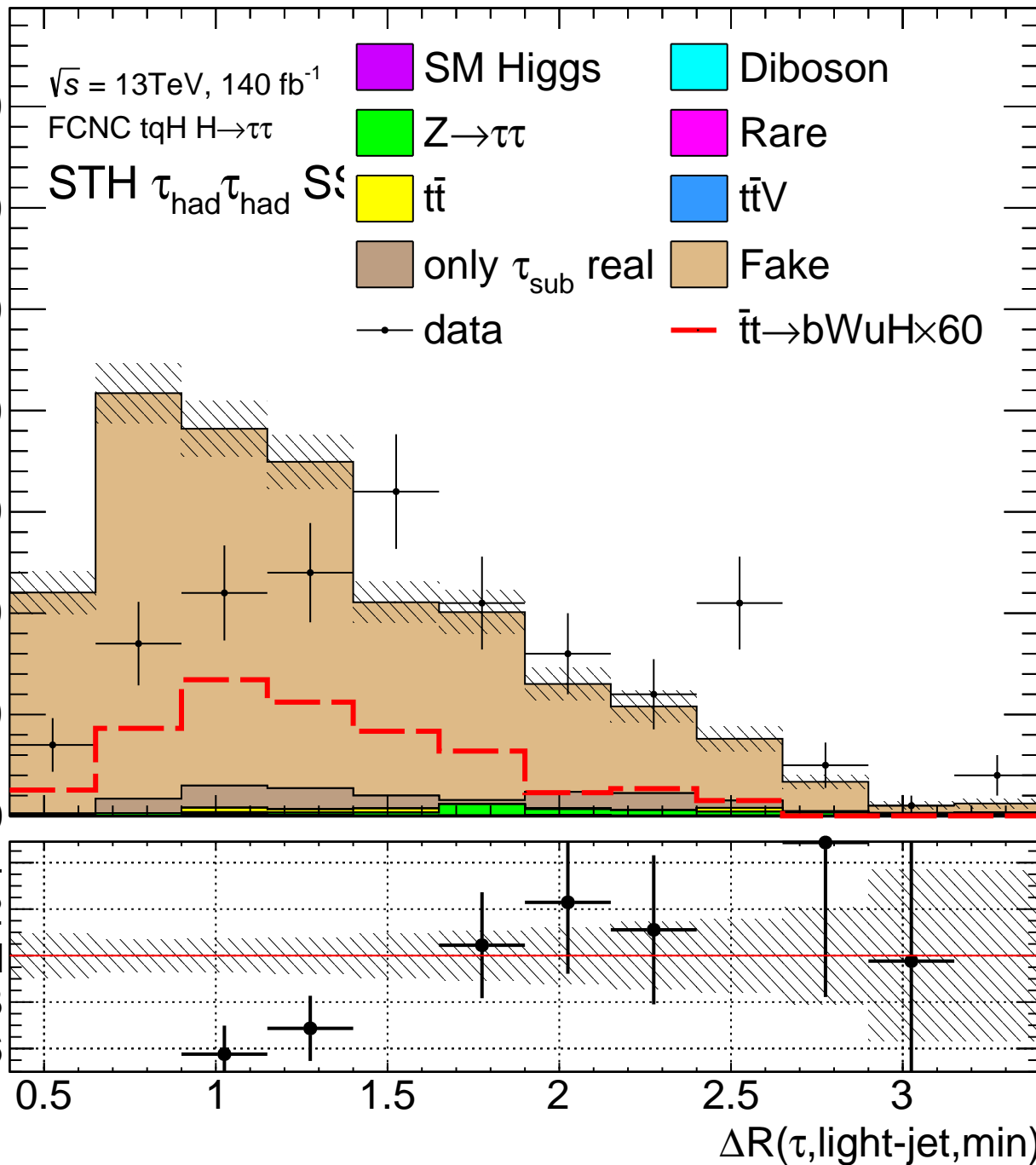
Rare

 $t\bar{t}V$

Fake

 $t\bar{t} \rightarrow bWuH \times 60$

Data/Bkg

 $\Delta R(\tau, \text{light-jet}, \text{min})$ 

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data

Diboson

Rare

 $t\bar{t}V$

Fake

 $u g \rightarrow t H \times 300$

Data/Bkg

 $\Delta R(\tau, \text{light-jet}, \text{min})$ 