

Events / 0.25

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

reg1mtau1ltau

SM Higgs

 $Z \rightarrow \tau\tau$ $t\bar{t}$ only τ_{sub} real $cg \rightarrow tH \times 1000$

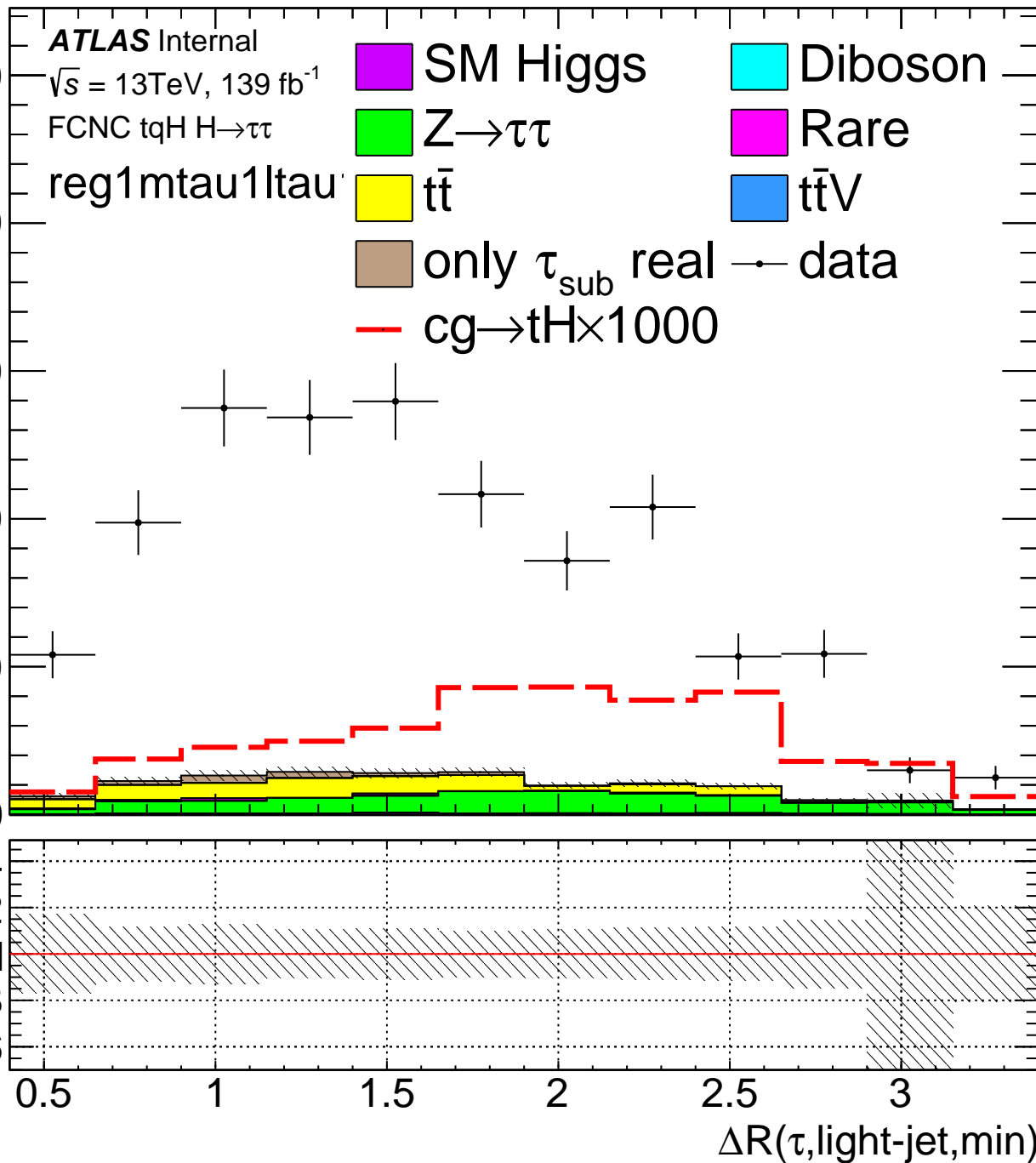
Diboson

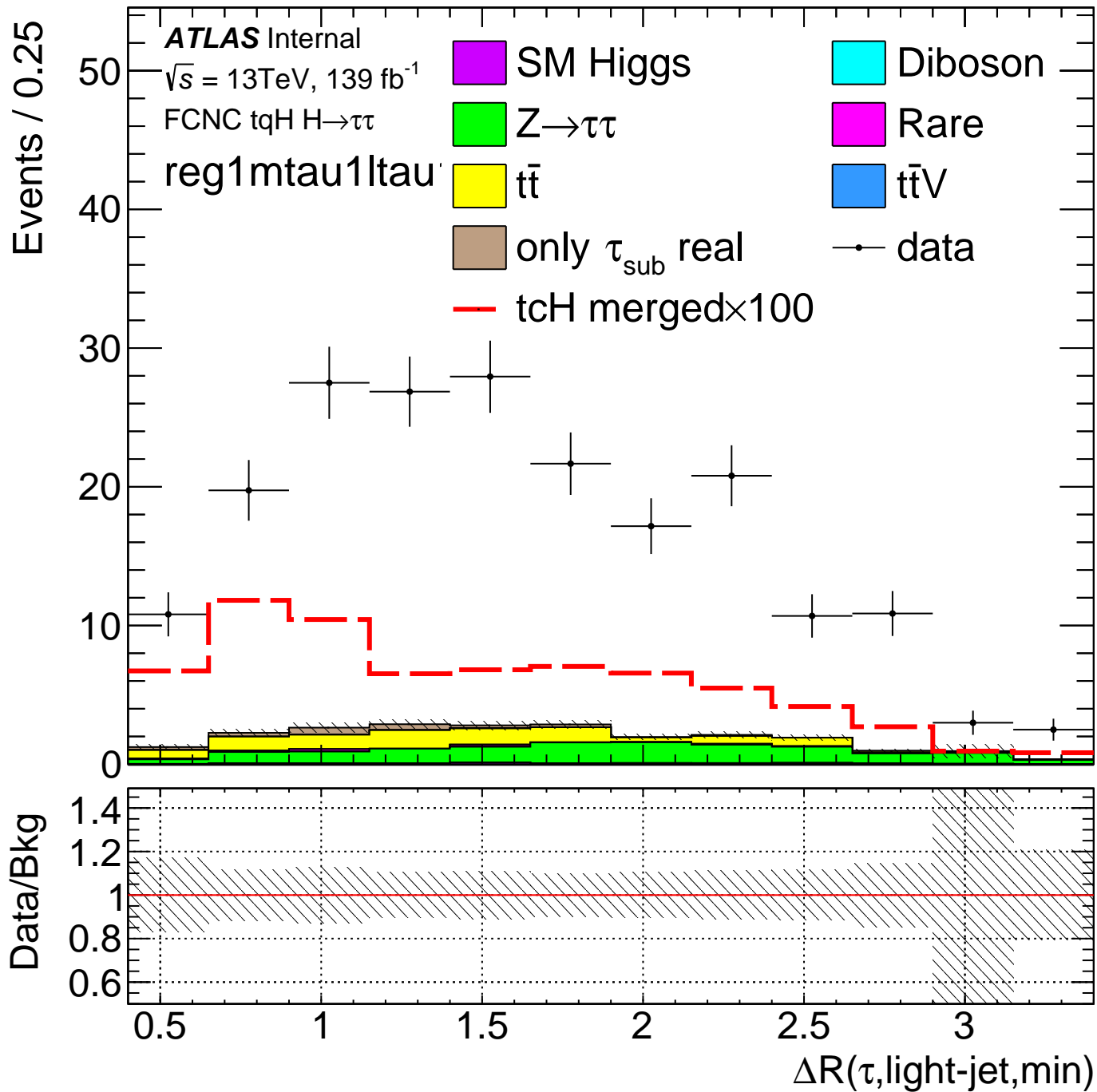
Rare

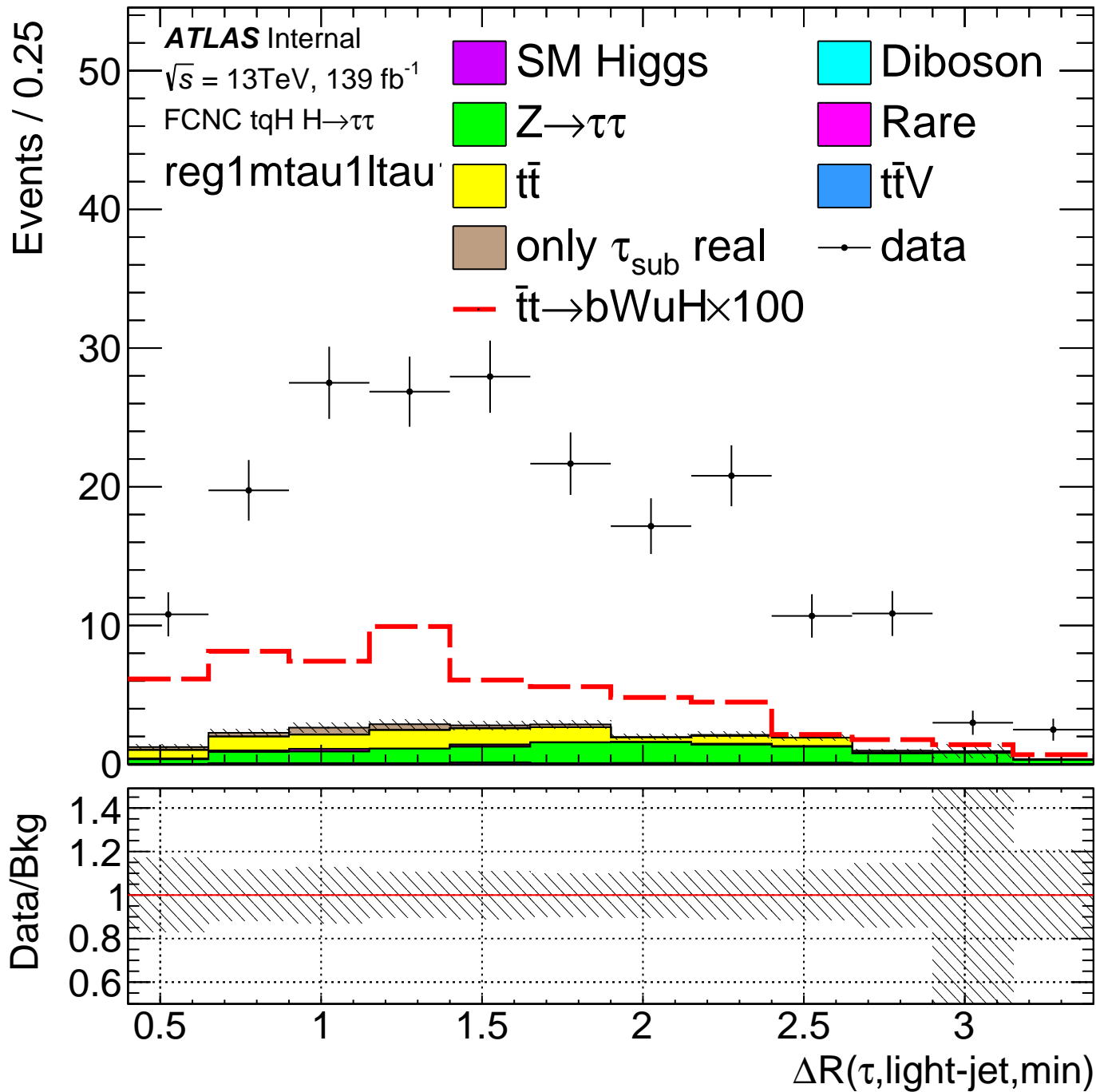
 $t\bar{t}V$

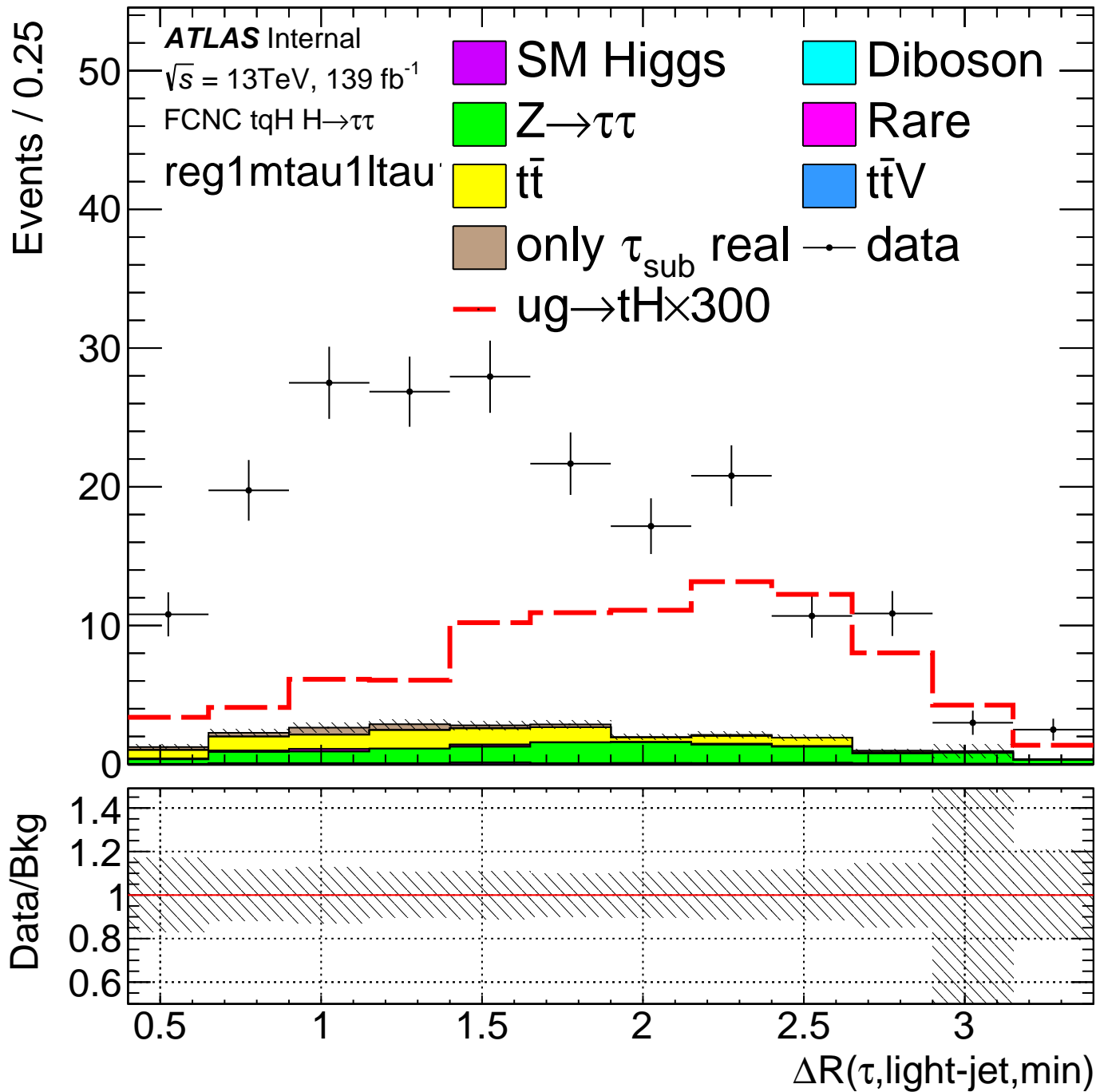
data

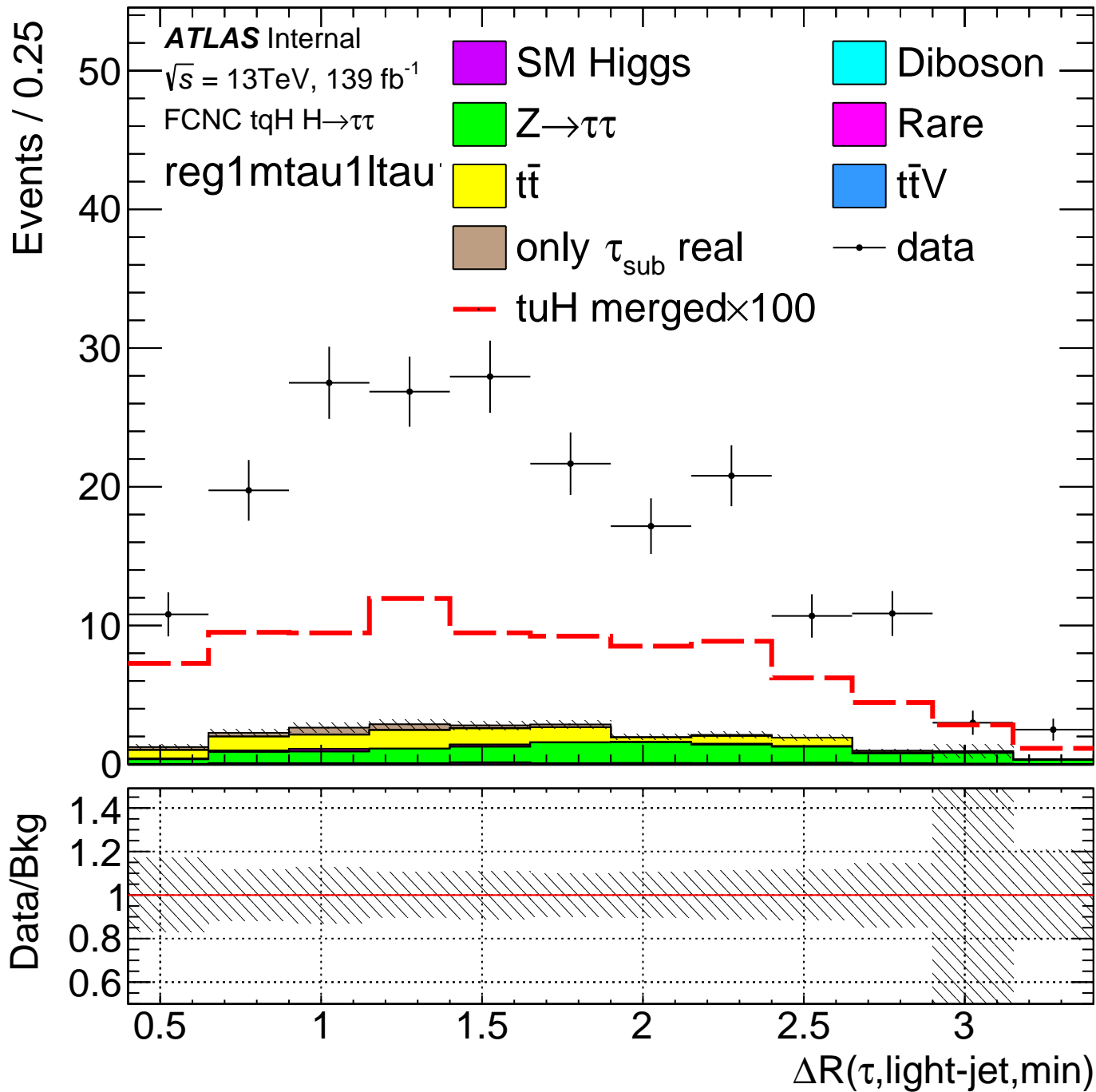
Data/Bkg

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









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reg1mtau1ltau

SM Higgs

 $Z \rightarrow \tau\tau$ $t\bar{t}$ only τ_{sub} real $t\bar{t} \rightarrow bWcH \times 100$ $t\bar{t} \rightarrow bWuH \times 100$

Diboson

Rare

 $t\bar{t}V$

data

 $cg \rightarrow tH \times 1000$ $ug \rightarrow tH \times 300$

Data/Bkg

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