

Events / 0.20

ATLAS Internal $\sqrt{s} = 13\text{TeV}, 140\text{ fb}^{-1}$ FCNC tqH $H \rightarrow \tau\tau$ TTH $\tau_{\text{had}}\tau_{\text{had}}$ S \bar{S}

SM Higgs

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

data

Diboson

Rare

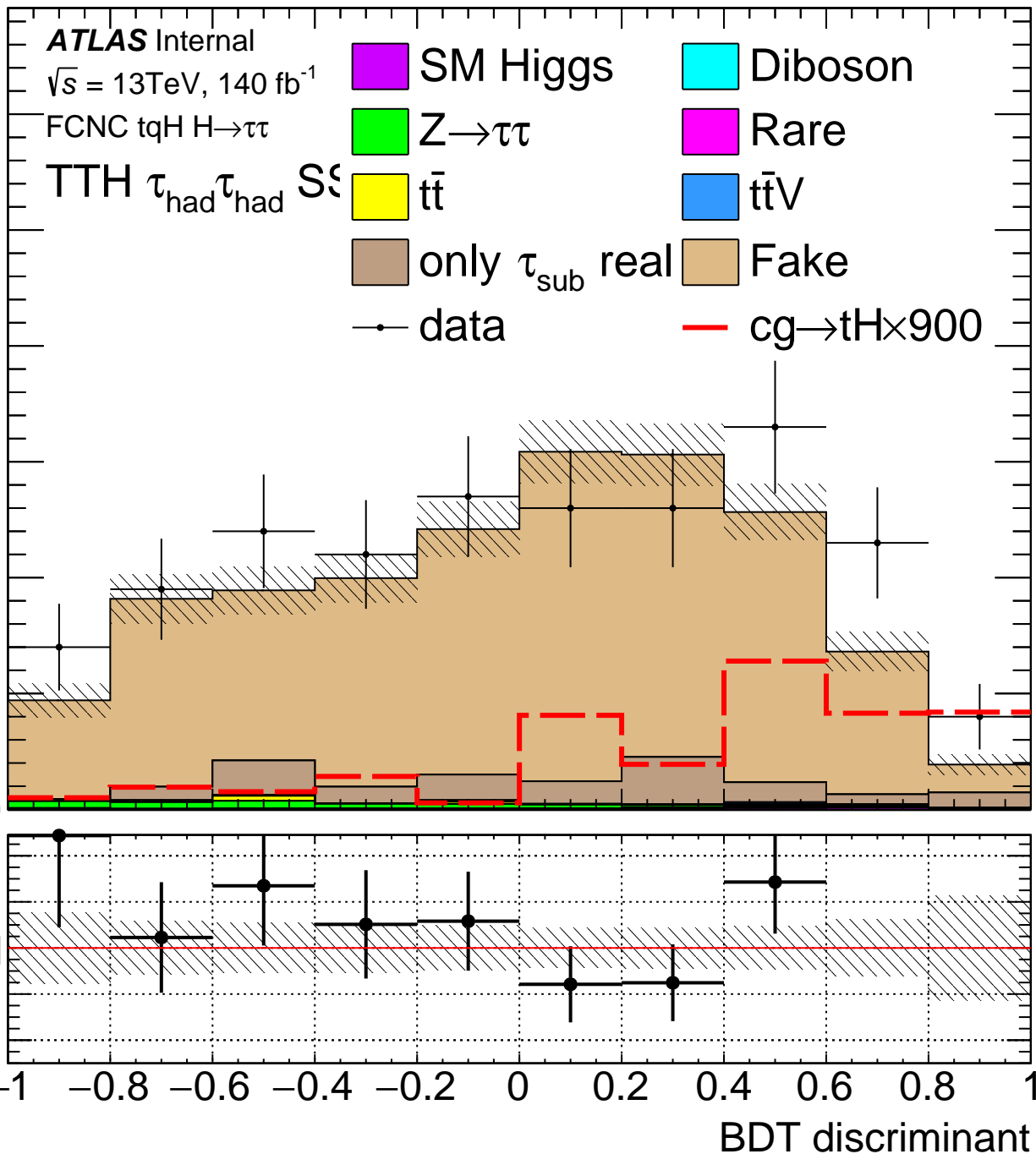
 $t\bar{t}V$

Fake

 $cg \rightarrow tH \times 900$

Data/Bkg

BDT discriminant



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SM Higgs

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—•— data

Diboson

Rare

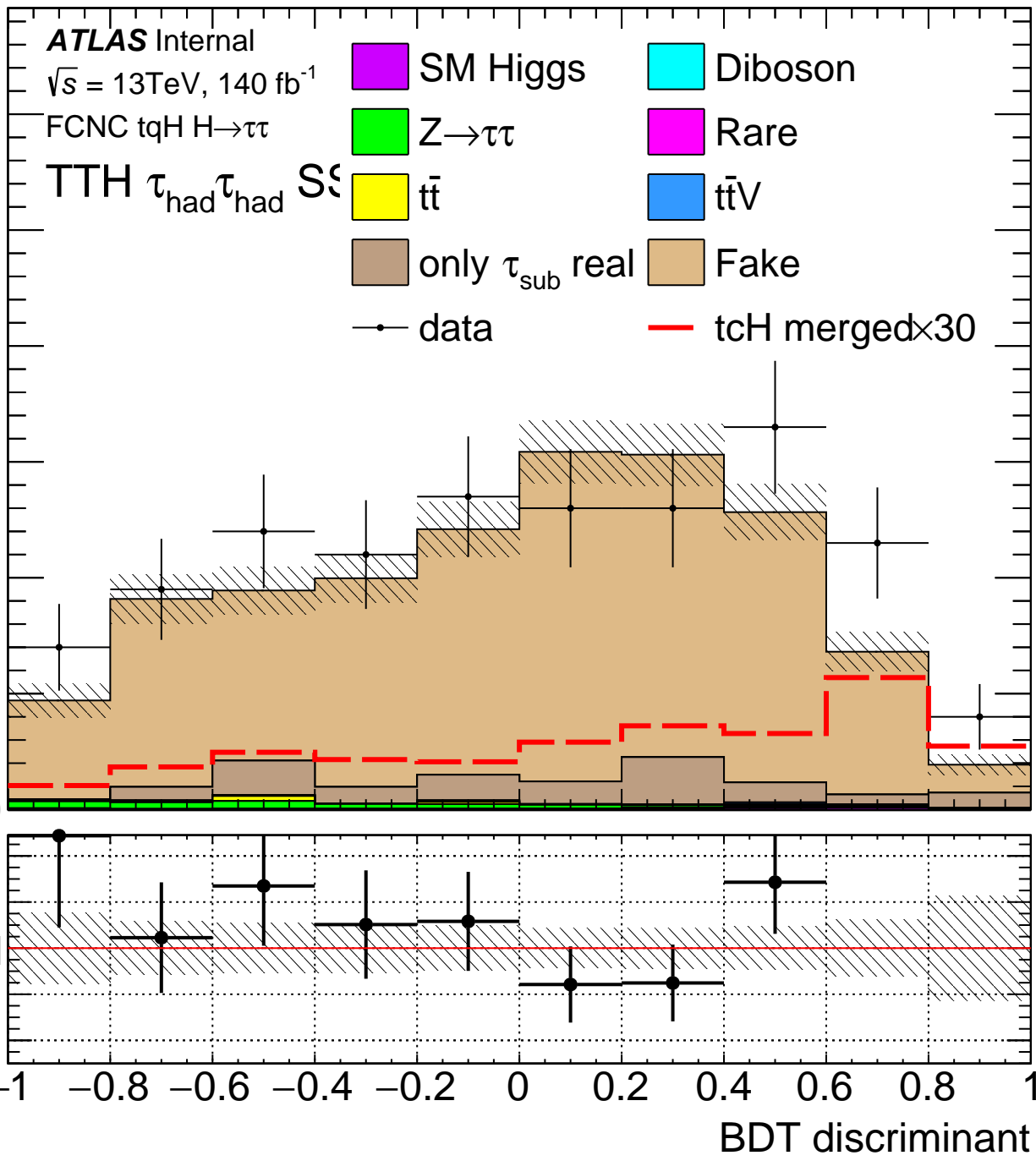
 $t\bar{t}V$

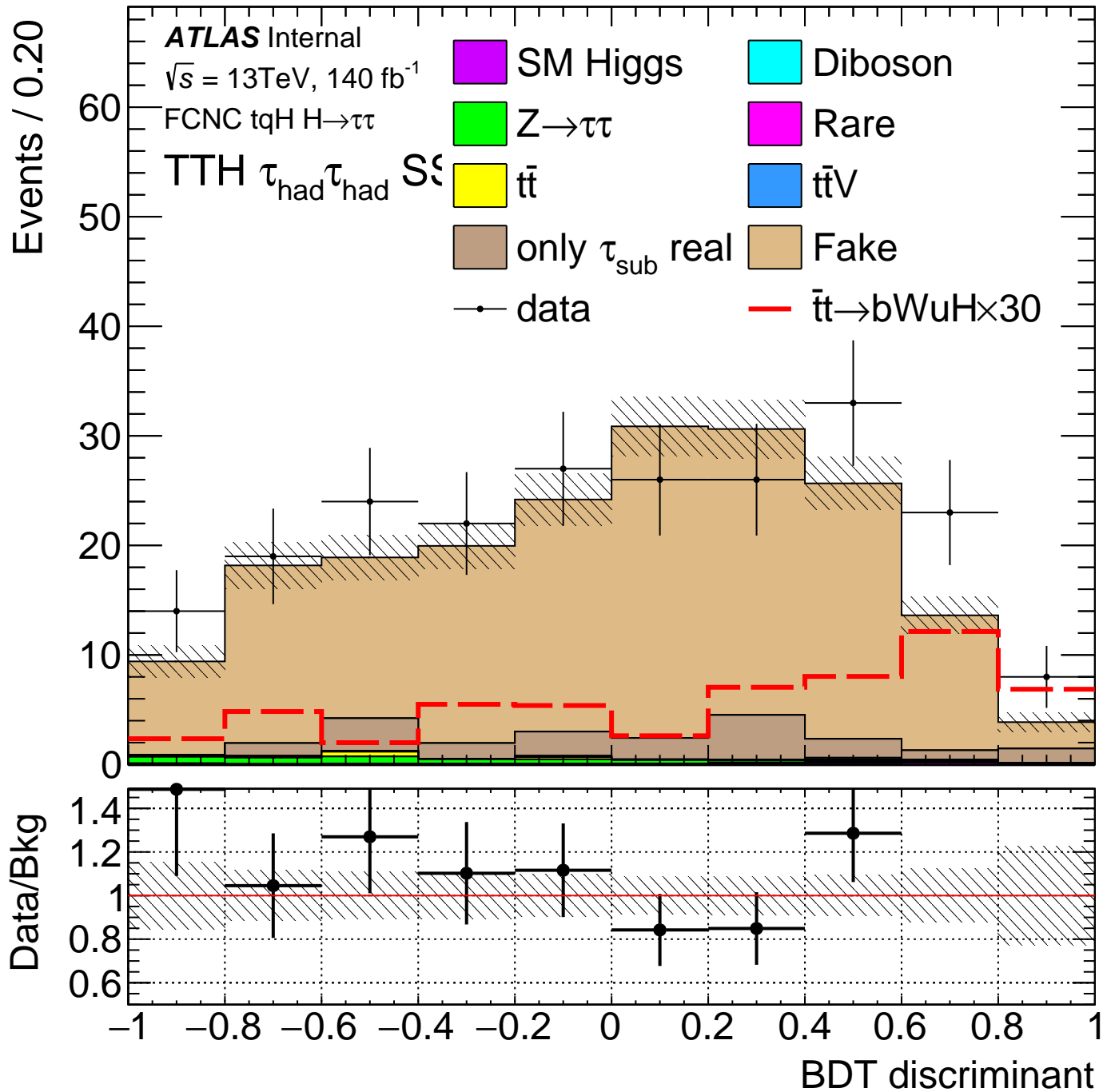
Fake

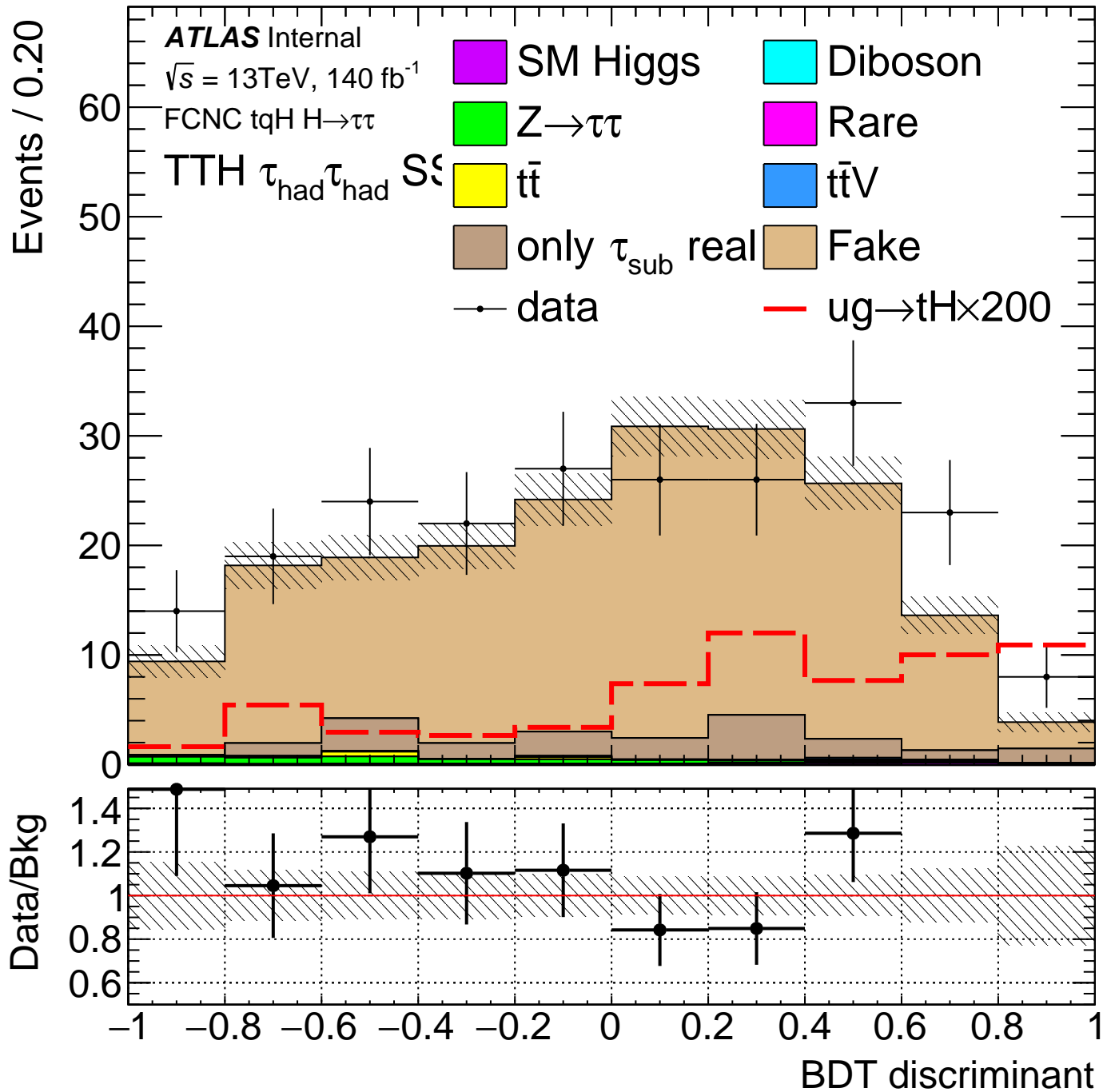
— tcH merged $\times 30$

Data/Bkg

BDT discriminant







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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

— tuH merged $\times 20$

Data/Bkg

BDT discriminant

