

Events / 0.20

ATLAS Internal $\sqrt{s} = 13\text{TeV}, 36.1\text{ fb}^{-1}$ FCNC tqH $H \rightarrow \tau\tau$ $t_l \tau_{\text{had}} \tau_{\text{had}}$

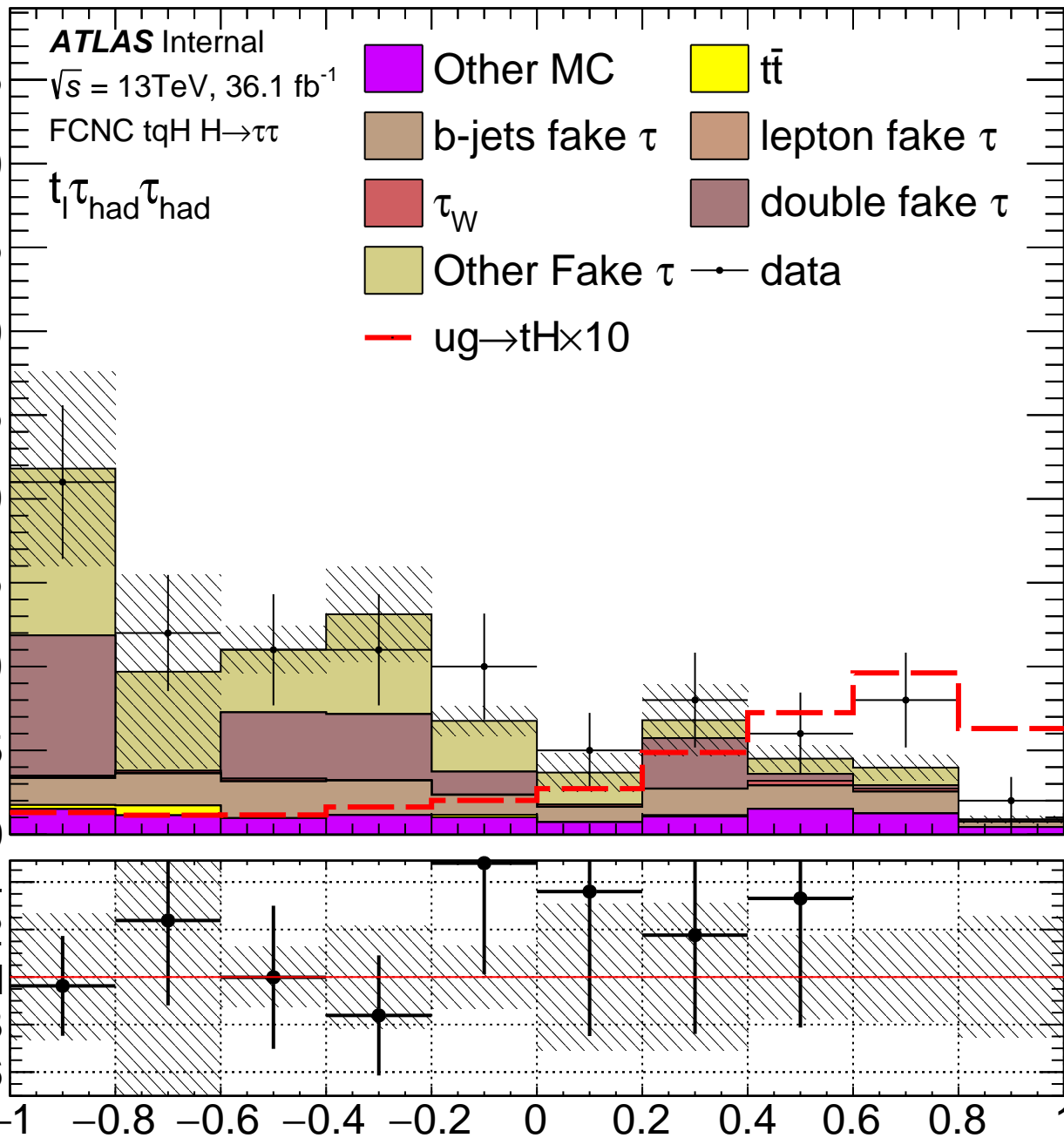
Other MC

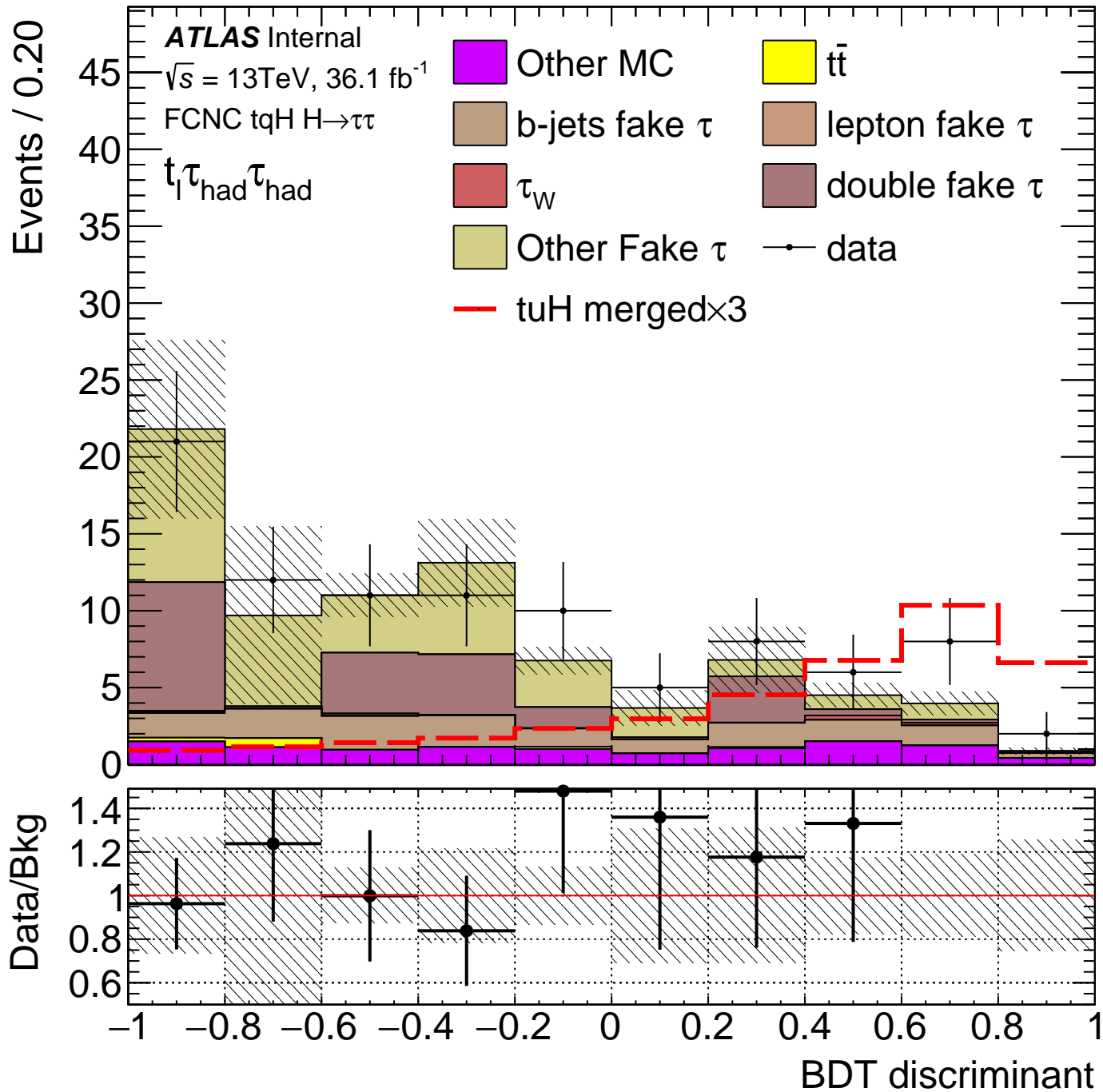
b-jets fake τ τ_W Other Fake τ — $ug \rightarrow tH \times 10$ $t\bar{t}$ lepton fake τ double fake τ

—•— data

Data/Bkg

BDT discriminant





Events / 0.20

ATLAS Internal $\sqrt{s} = 13\text{TeV}, 36.1\text{ fb}^{-1}$ FCNC $t\bar{q}H \rightarrow \tau\tau$ $t_l \tau_{\text{had}} \tau_{\text{had}}$

Other MC

b-jets fake τ τ_W Other Fake τ $\bar{t}t \rightarrow bWcH \times 5$ $\bar{t}t \rightarrow bWuH \times 5$ $\bar{t}t$ lepton fake τ double fake τ

data

 $cg \rightarrow tH \times 70$ $ug \rightarrow tH \times 10$

Data/Bkg

BDT discriminant

