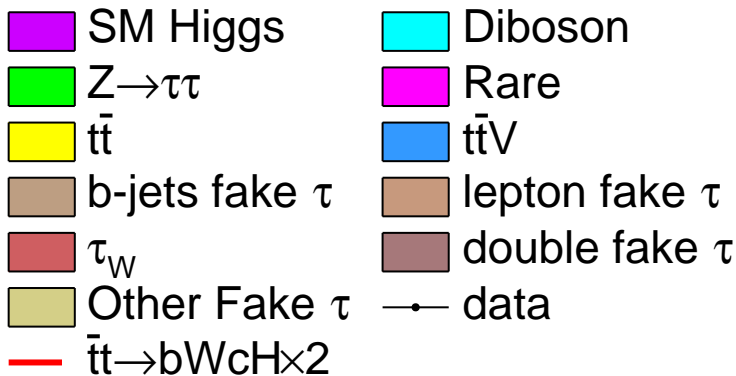
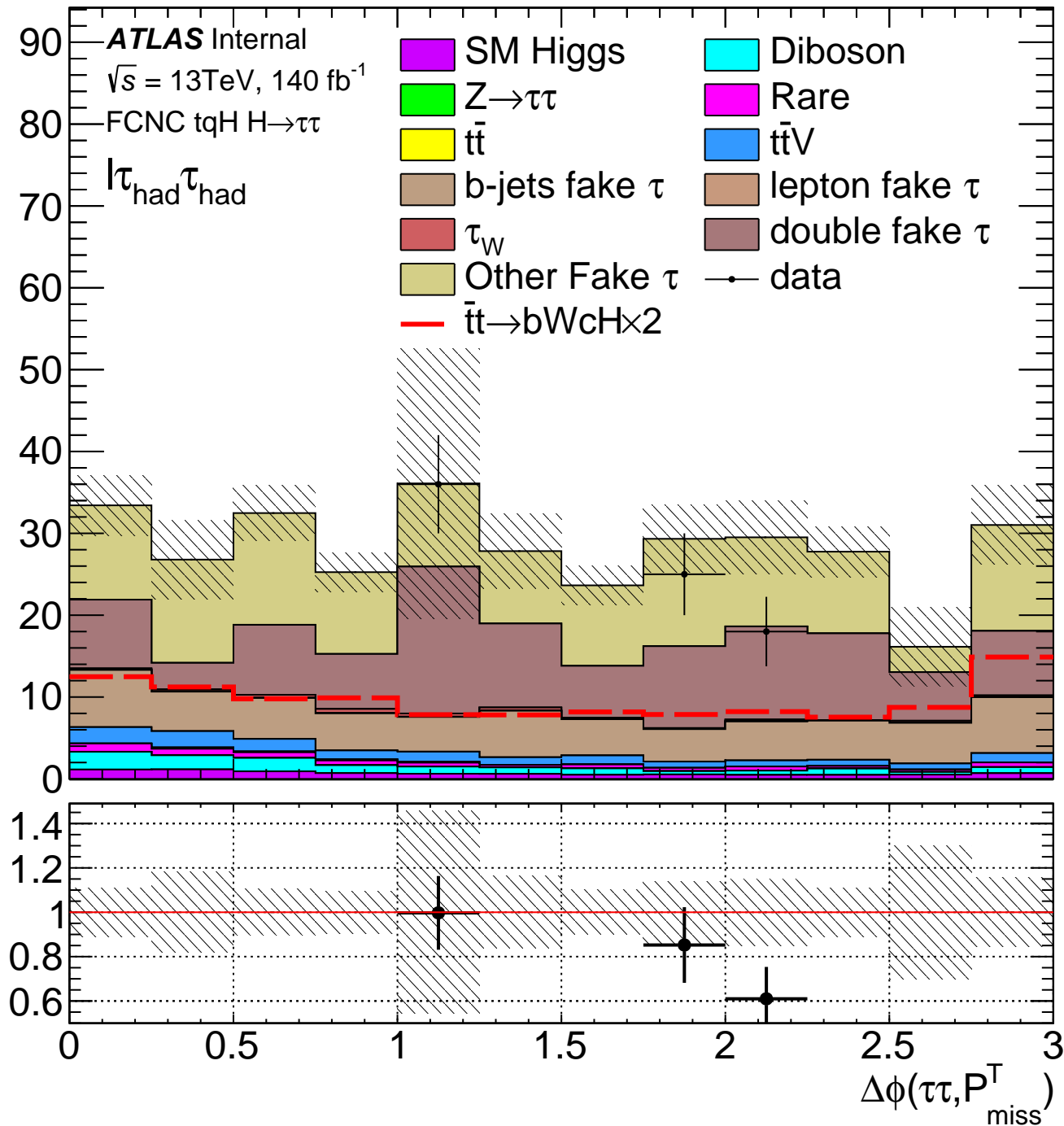


Events / 0.25

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



Data/Bkg



Events / 0.25

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

SM Higgs

 $Z \rightarrow \tau\tau$  $t\bar{t}$ b-jets fake  $\tau$  $\tau_W$ Other Fake  $\tau$  $cg \rightarrow tH \times 30$ 

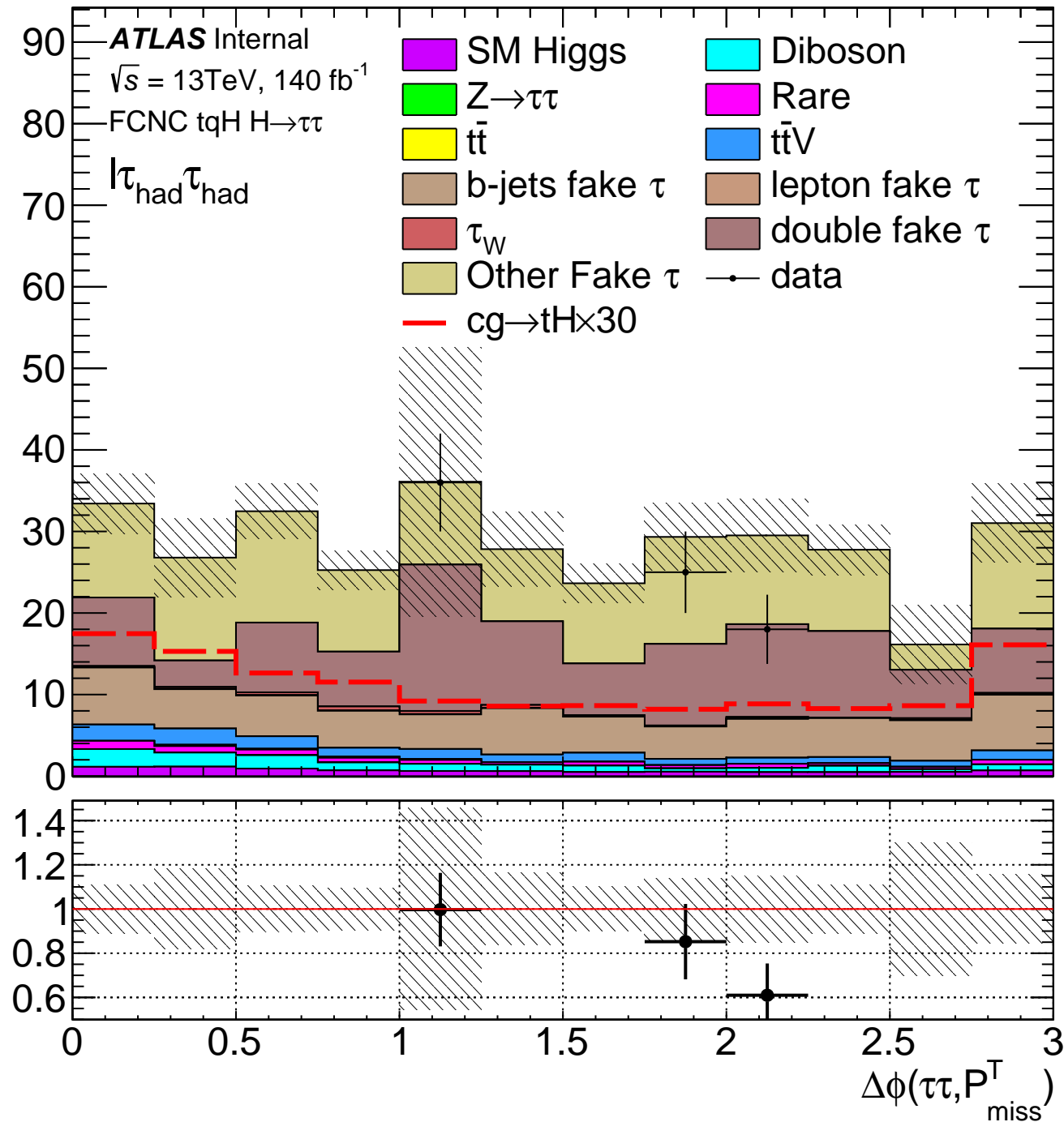
Diboson

Rare

 $t\bar{t}V$ lepton fake  $\tau$ double fake  $\tau$ 

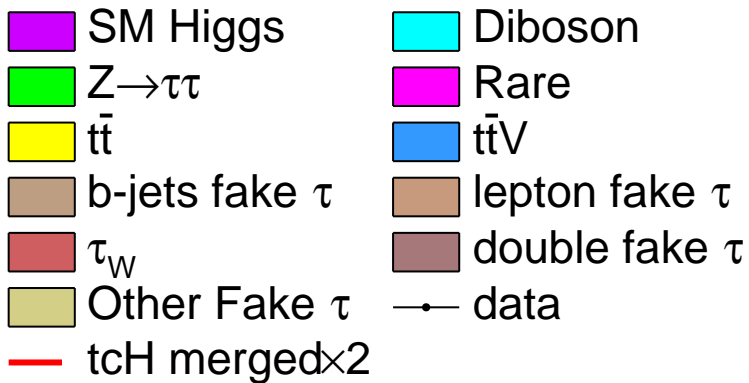
data

Data/Bkg

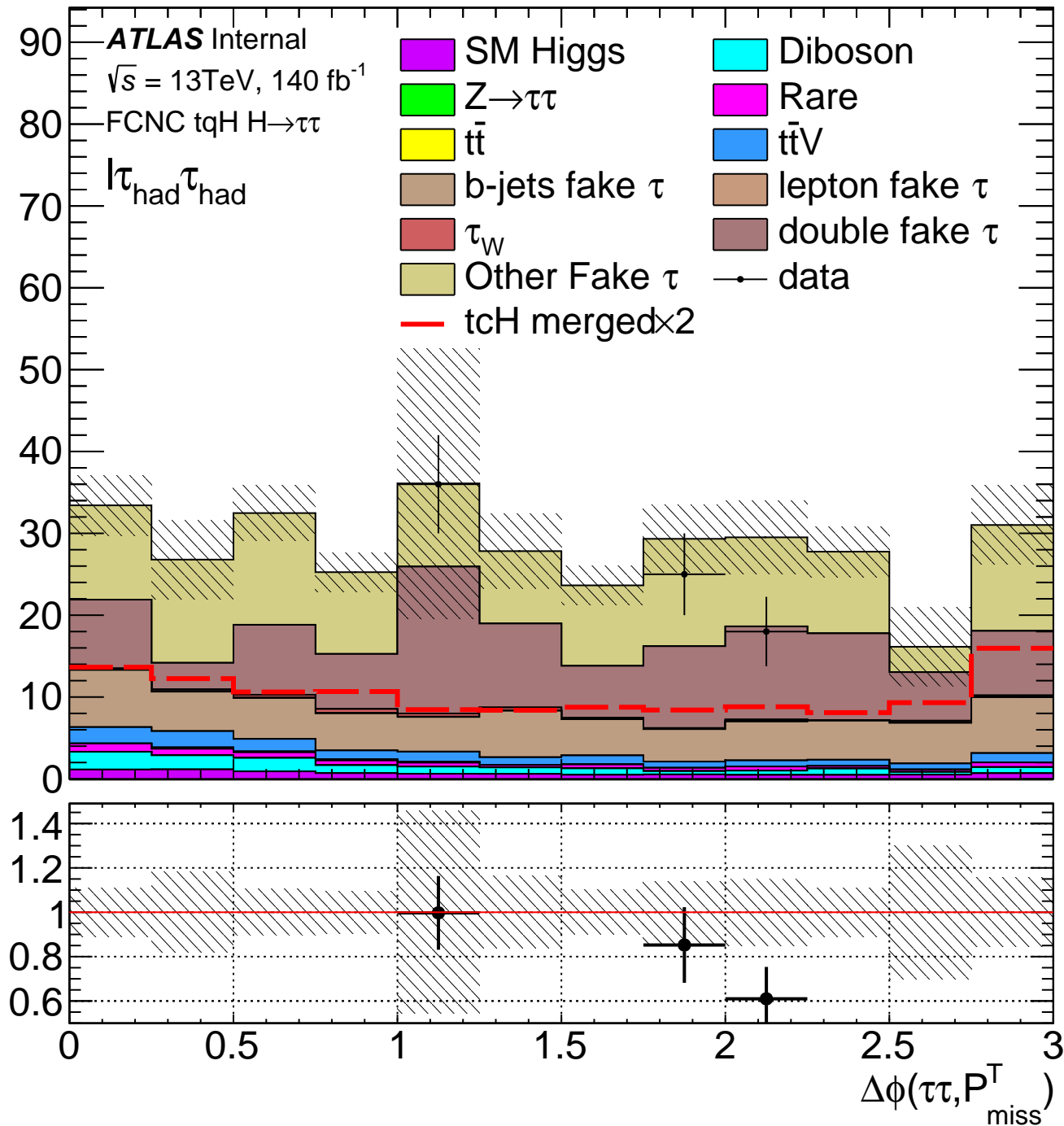
 $\Delta\phi(\tau\tau, P_{\text{miss}}^T)$ 

Events / 0.25

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

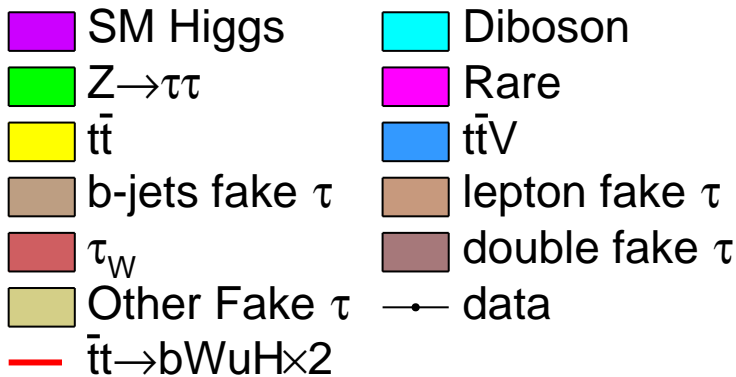


Data/Bkg

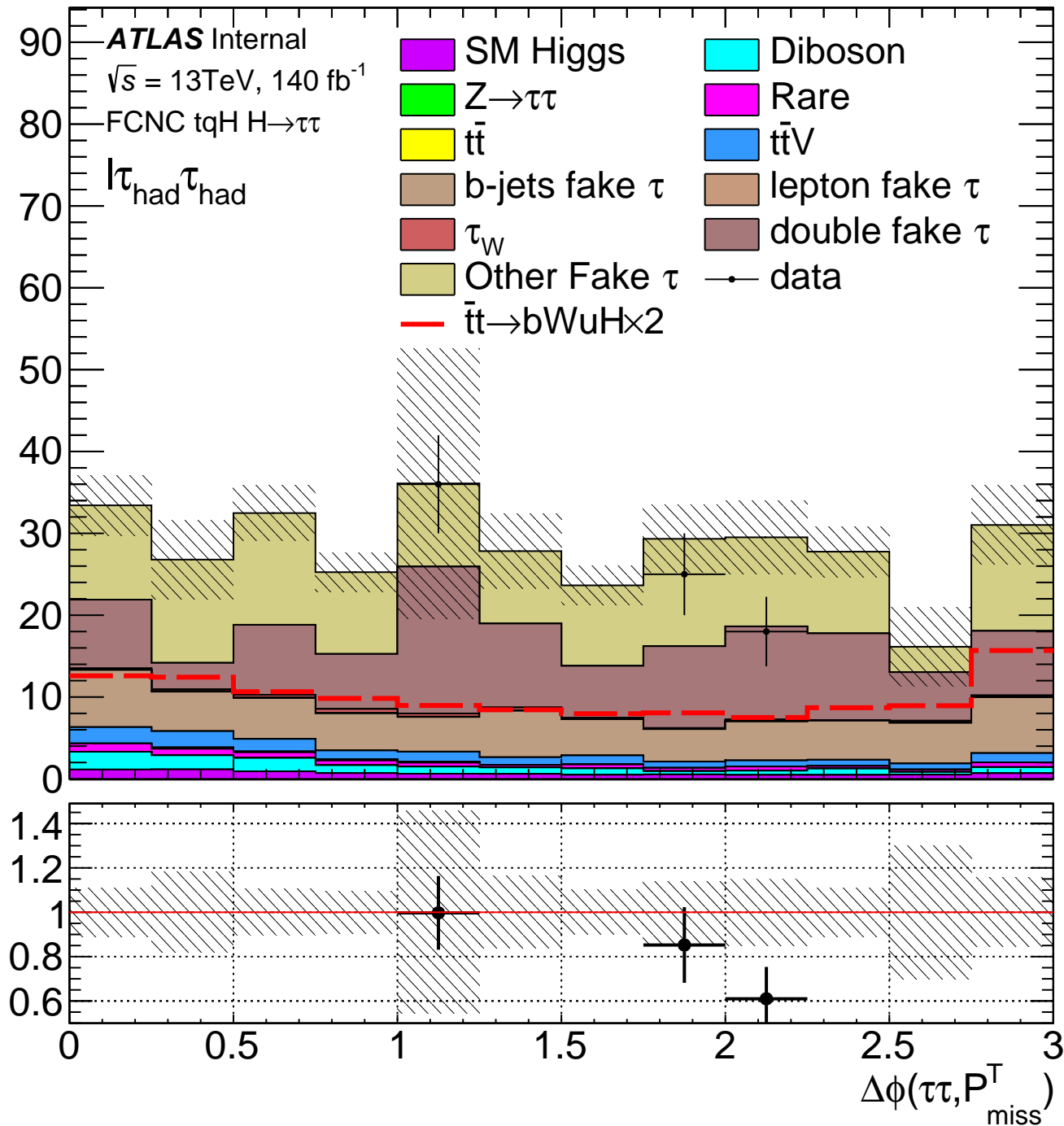


Events / 0.25

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

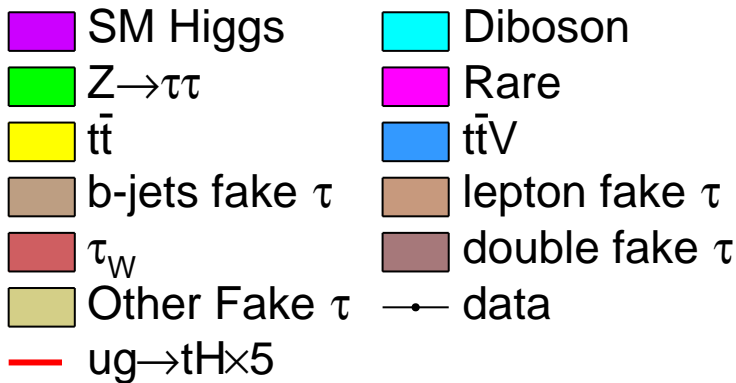


Data/Bkg

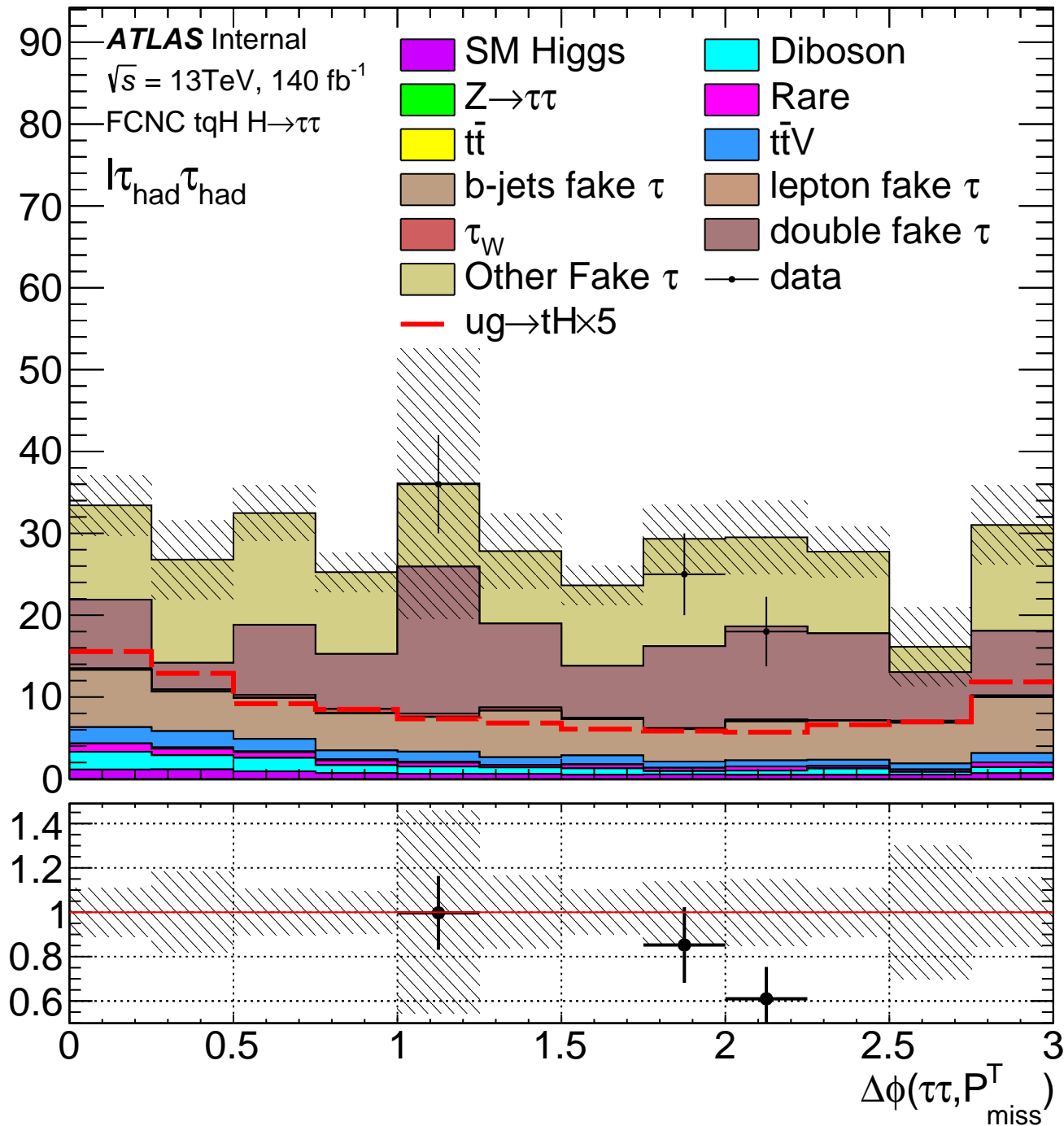


Events / 0.25

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

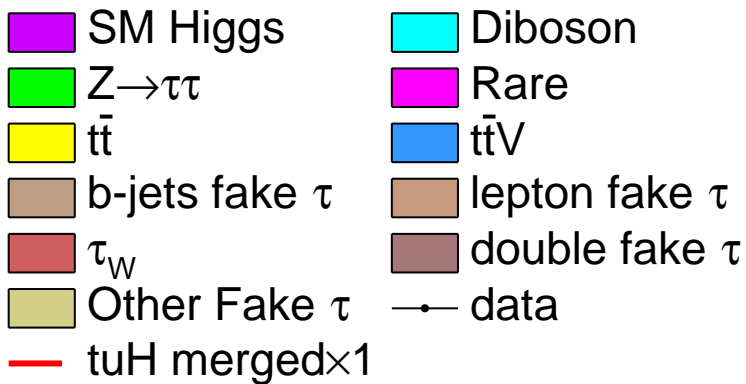


Data/Bkg



Events / 0.25

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



Data/Bkg

