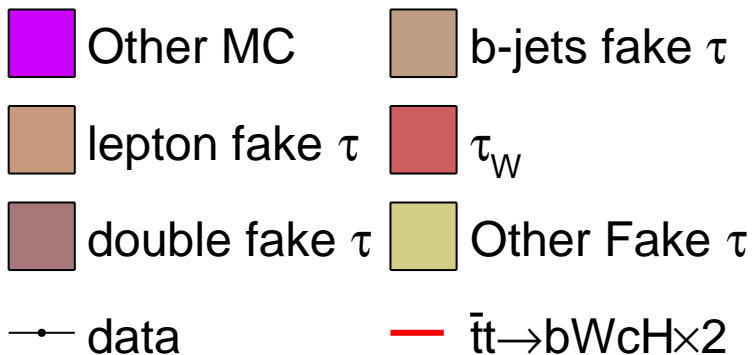
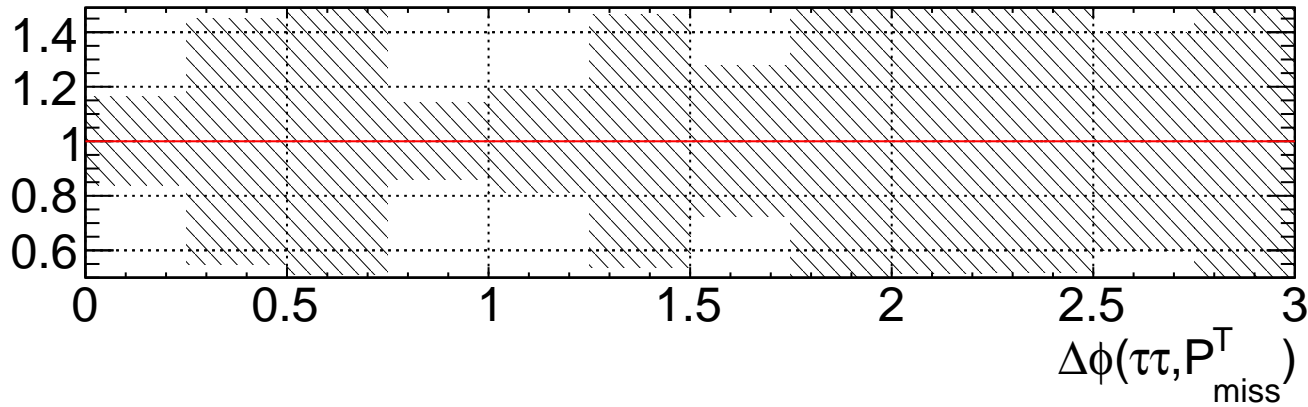


Events / 0.25

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



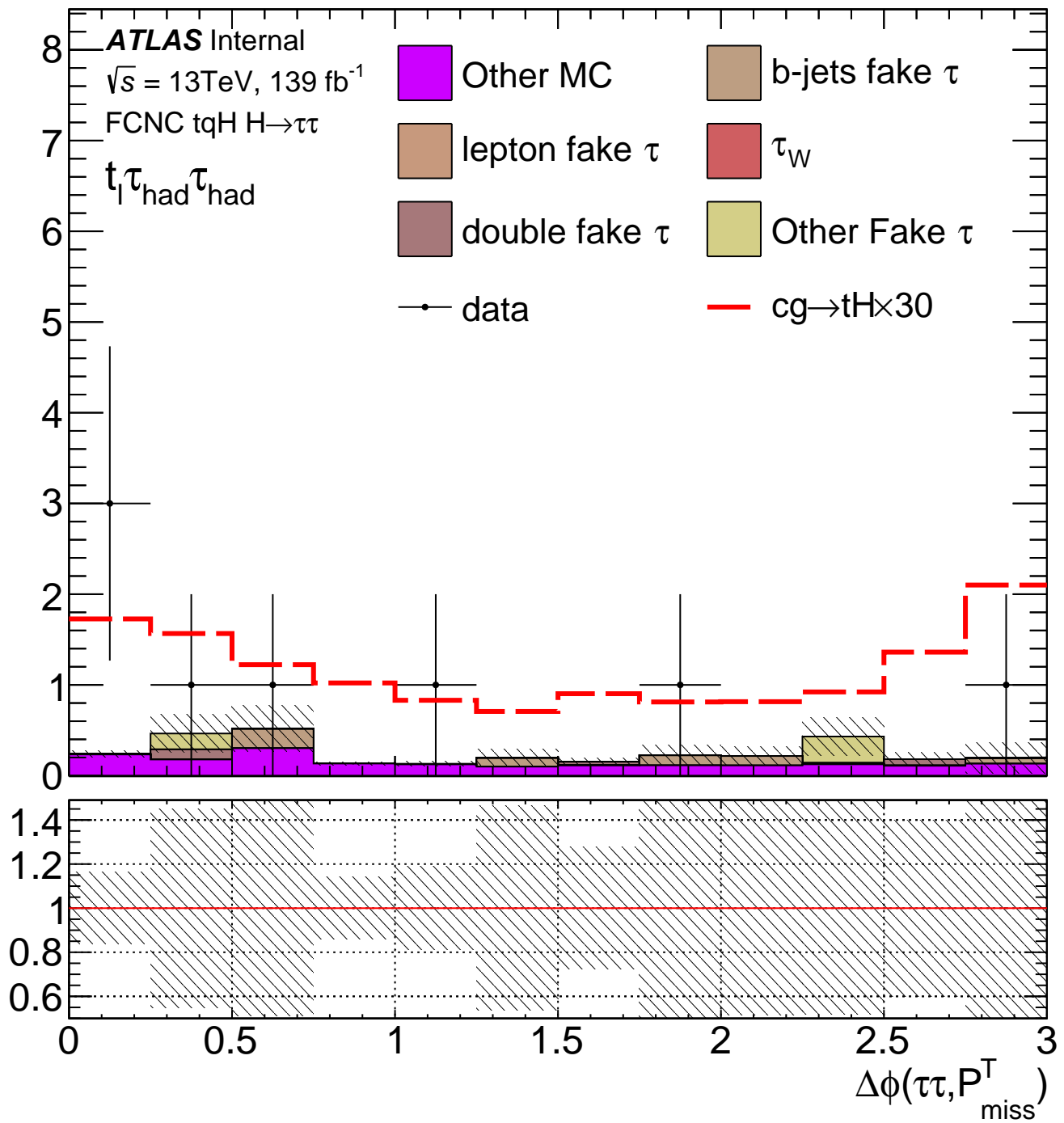
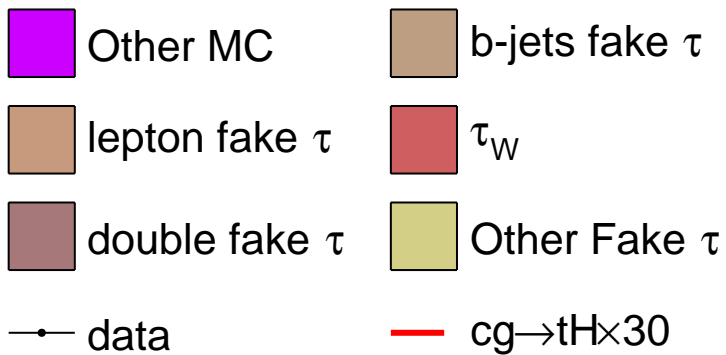
Data/Bkg



Events / 0.25

Data/Bkg

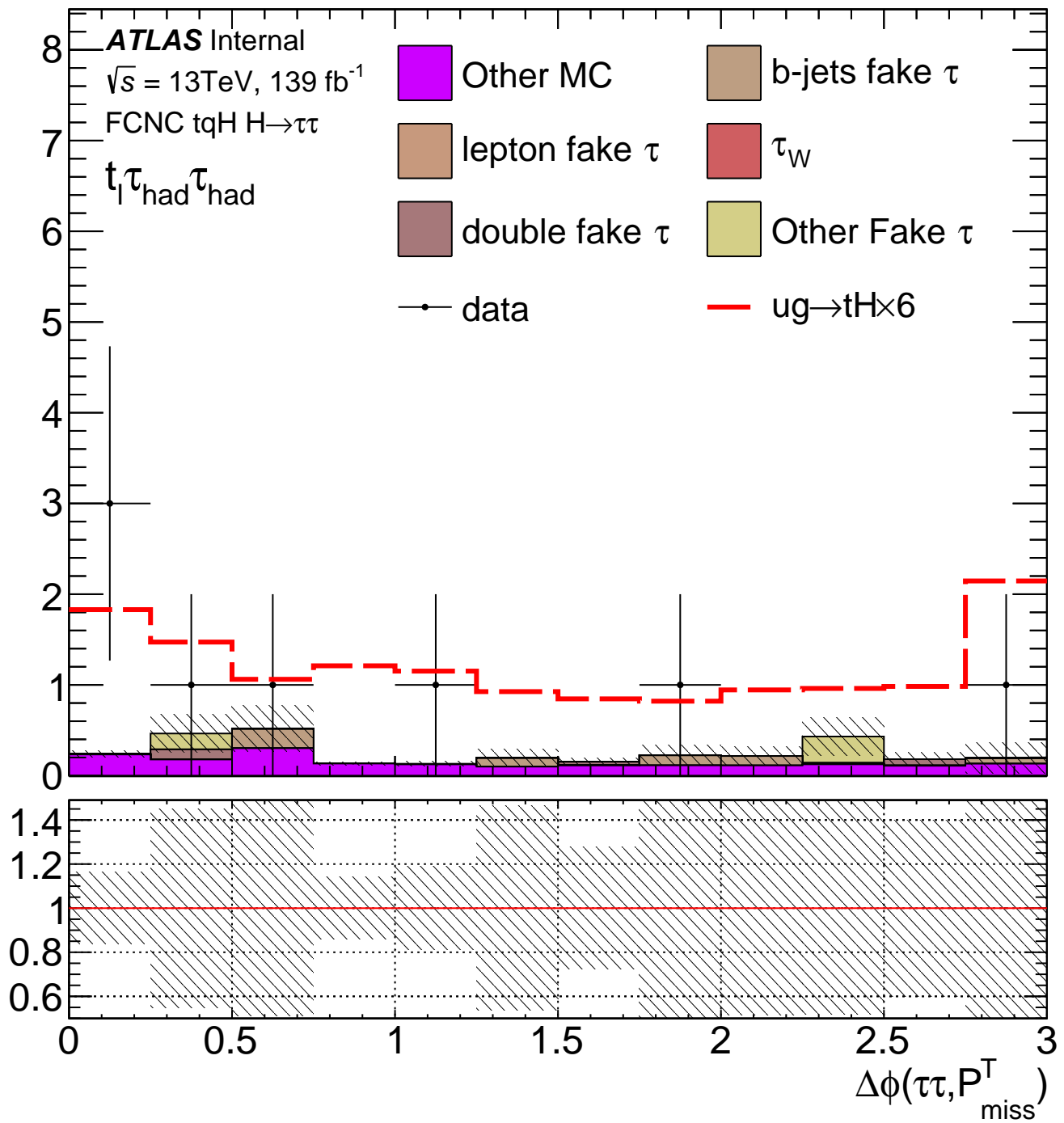
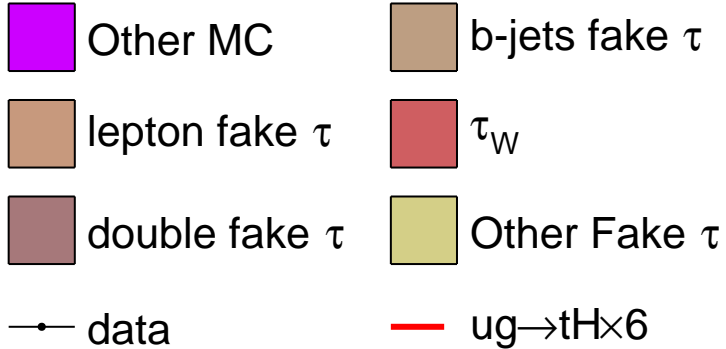
ATLAS Internal
 $\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$
FCNC tqH $H \rightarrow \tau\tau$
 $t_l \tau_{\text{had}} \tau_{\text{had}}$



Events / 0.25

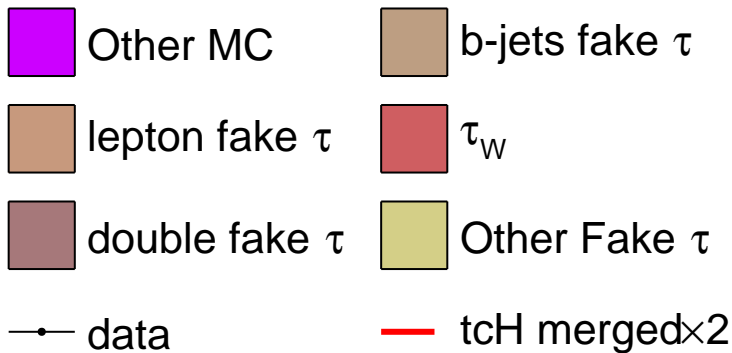
Data/Bkg

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

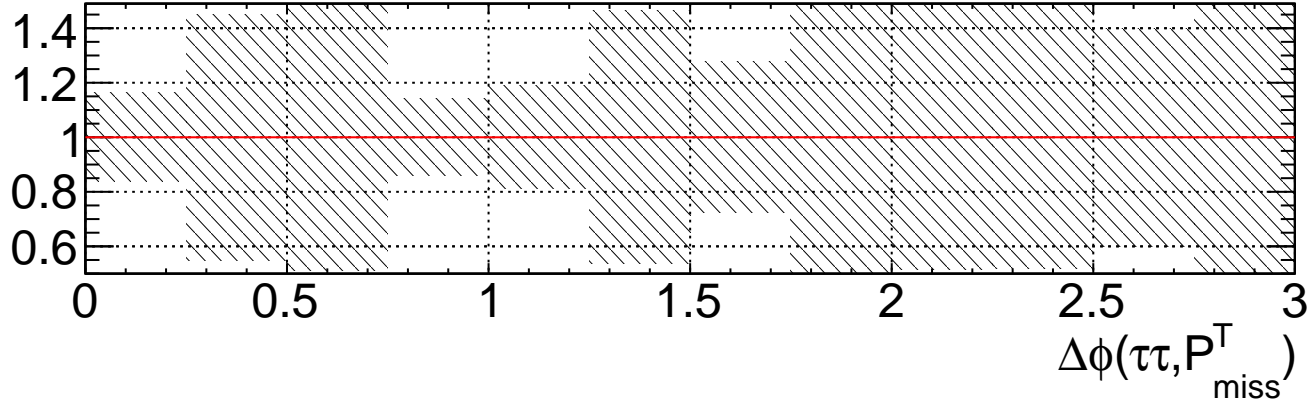


Events / 0.25

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



Data/Bkg



Events / 0.25

ATLAS Internal
 $\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$
FCNC $t\bar{q}H \rightarrow \tau\tau$
 $t\bar{t}\tau_{\text{had}}\tau_{\text{had}}$



Other MC



lepton fake τ



double fake τ



b-jets fake τ



τ_W



Other Fake τ

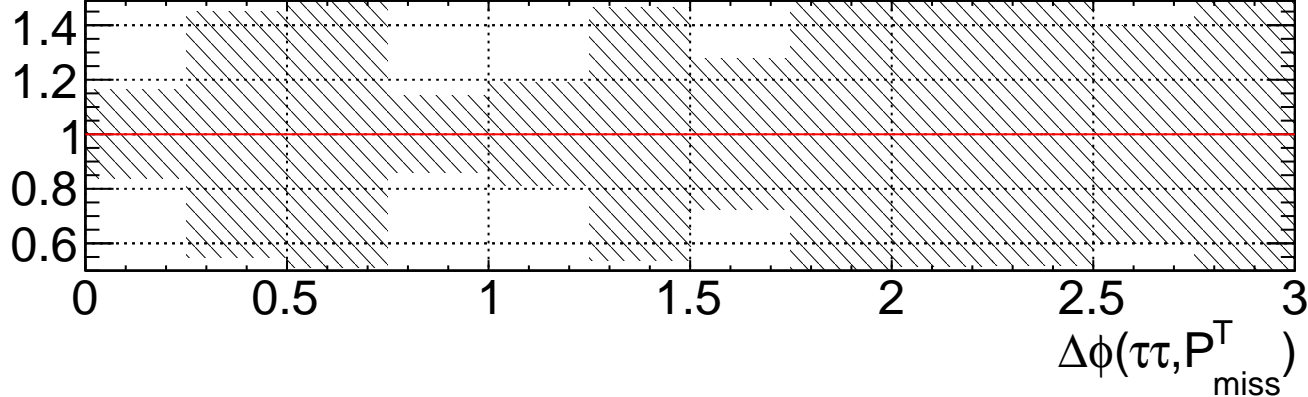


data



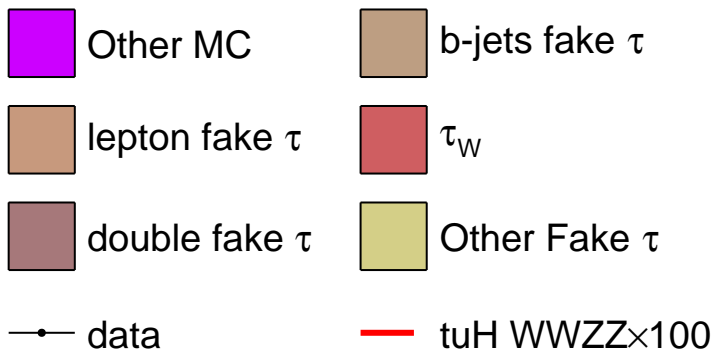
$t\bar{t} \rightarrow bWuH \times 2$

Data/Bkg

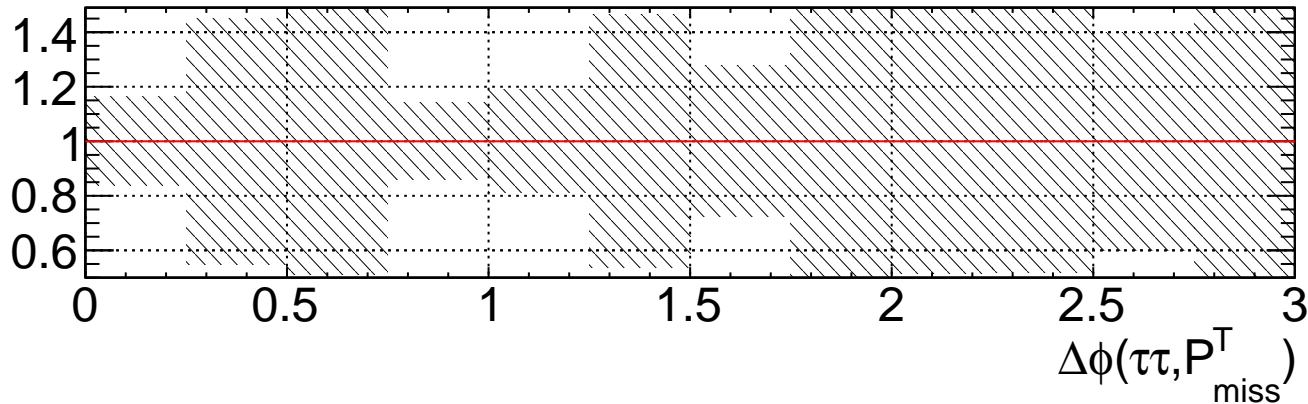


Events / 0.25

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



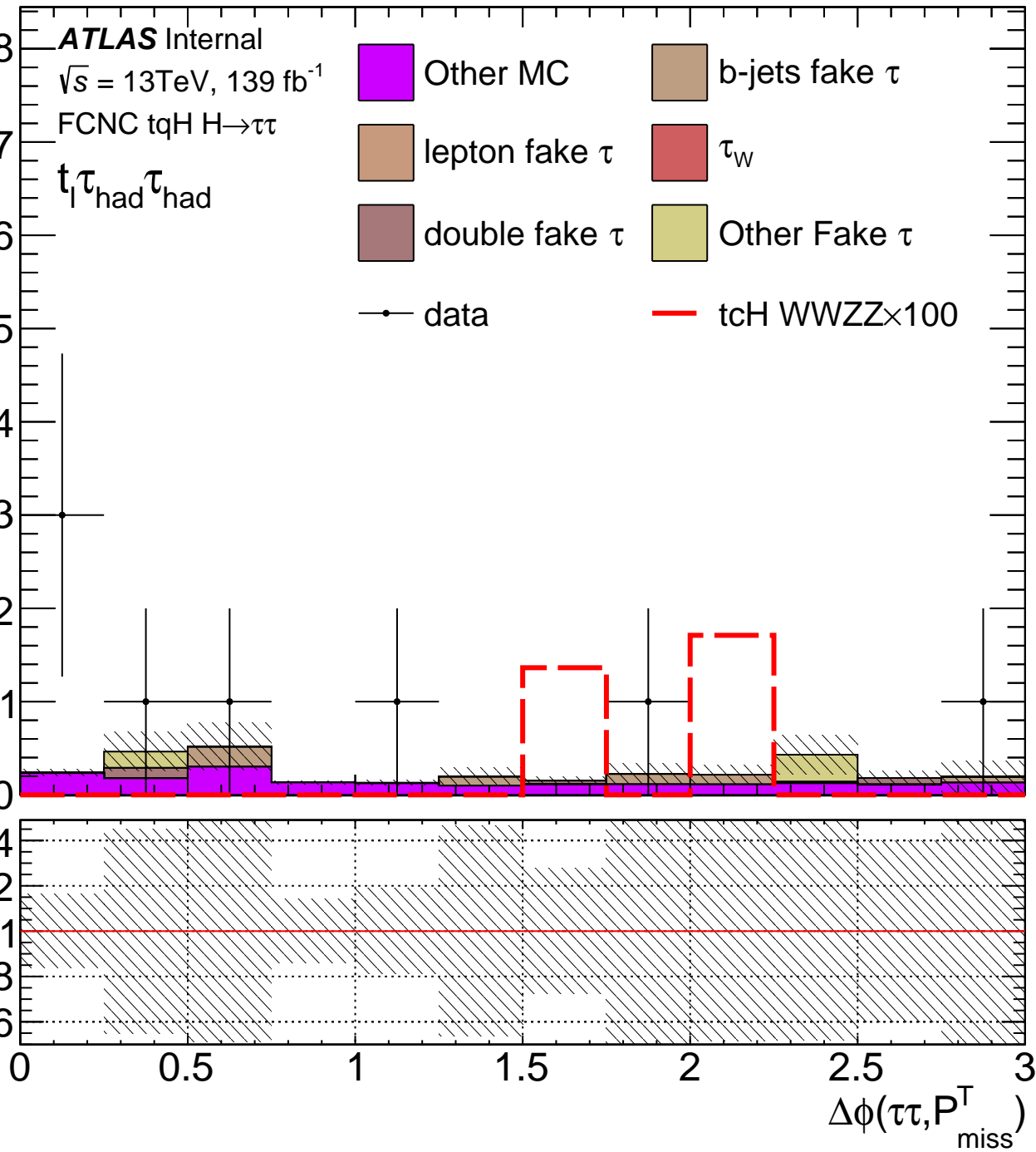
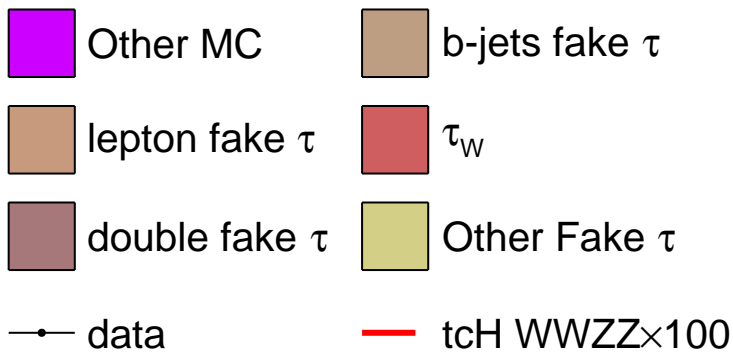
Data/Bkg



Events / 0.25

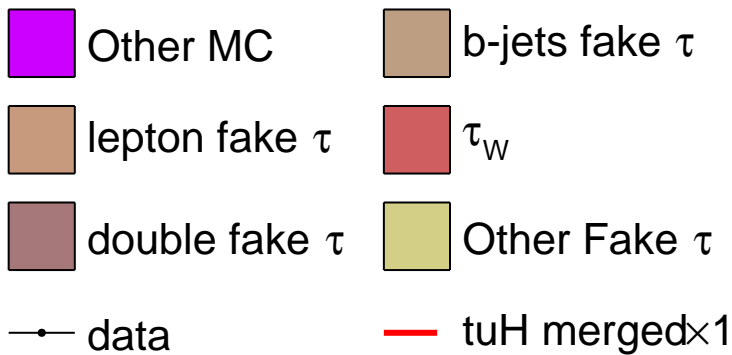
Data/Bkg

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

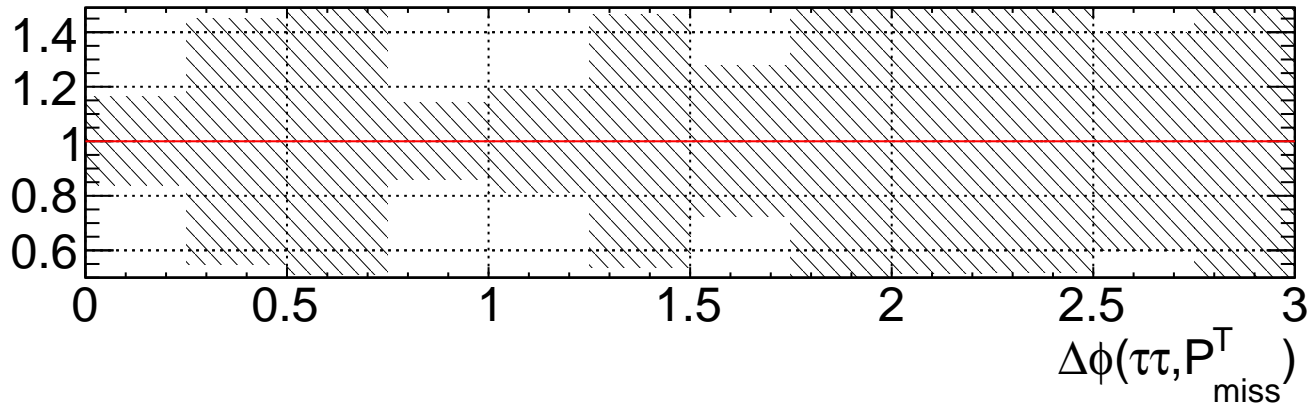


Events / 0.25

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

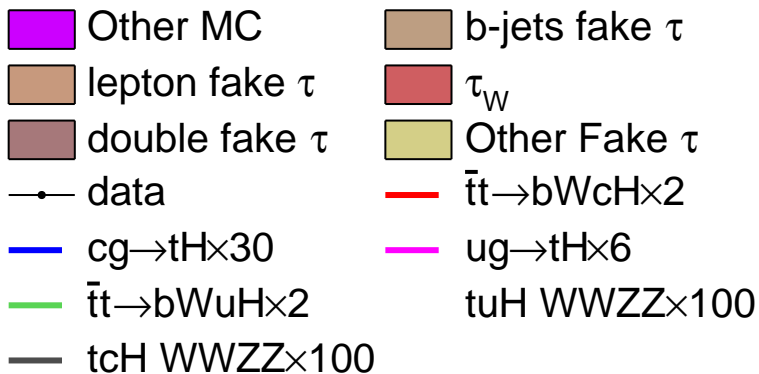


Data/Bkg



Events / 0.25

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



Data/Bkg

