

Events / 0.25

ATLAS Internal
 $\sqrt{s} = 13\text{TeV}, 139\text{ fb}^{-1}$
FCNC $t\bar{q}H \rightarrow \tau\tau$
 $t_h \tau_{\text{lep}} \tau_{\text{had}} - 3j$

Other MC

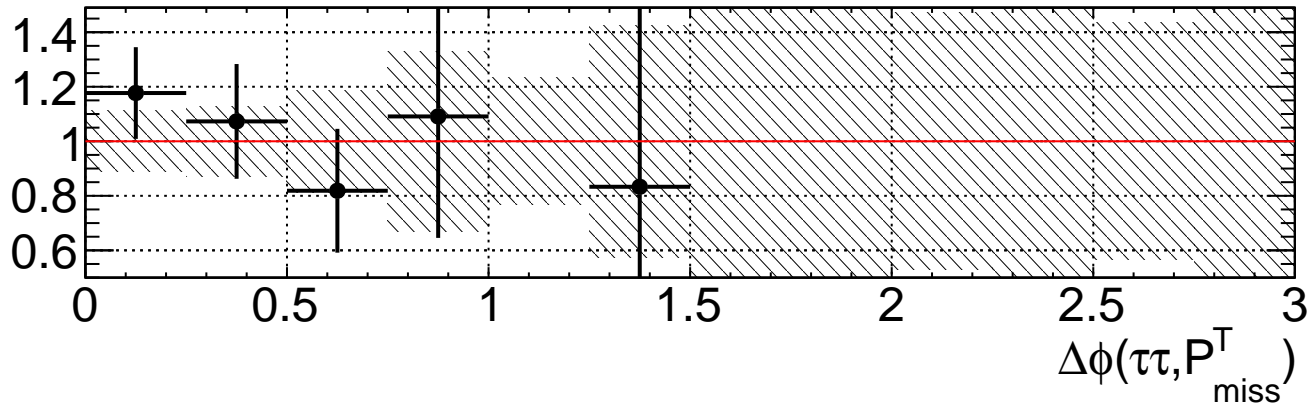
b-jets fake τ τ_W

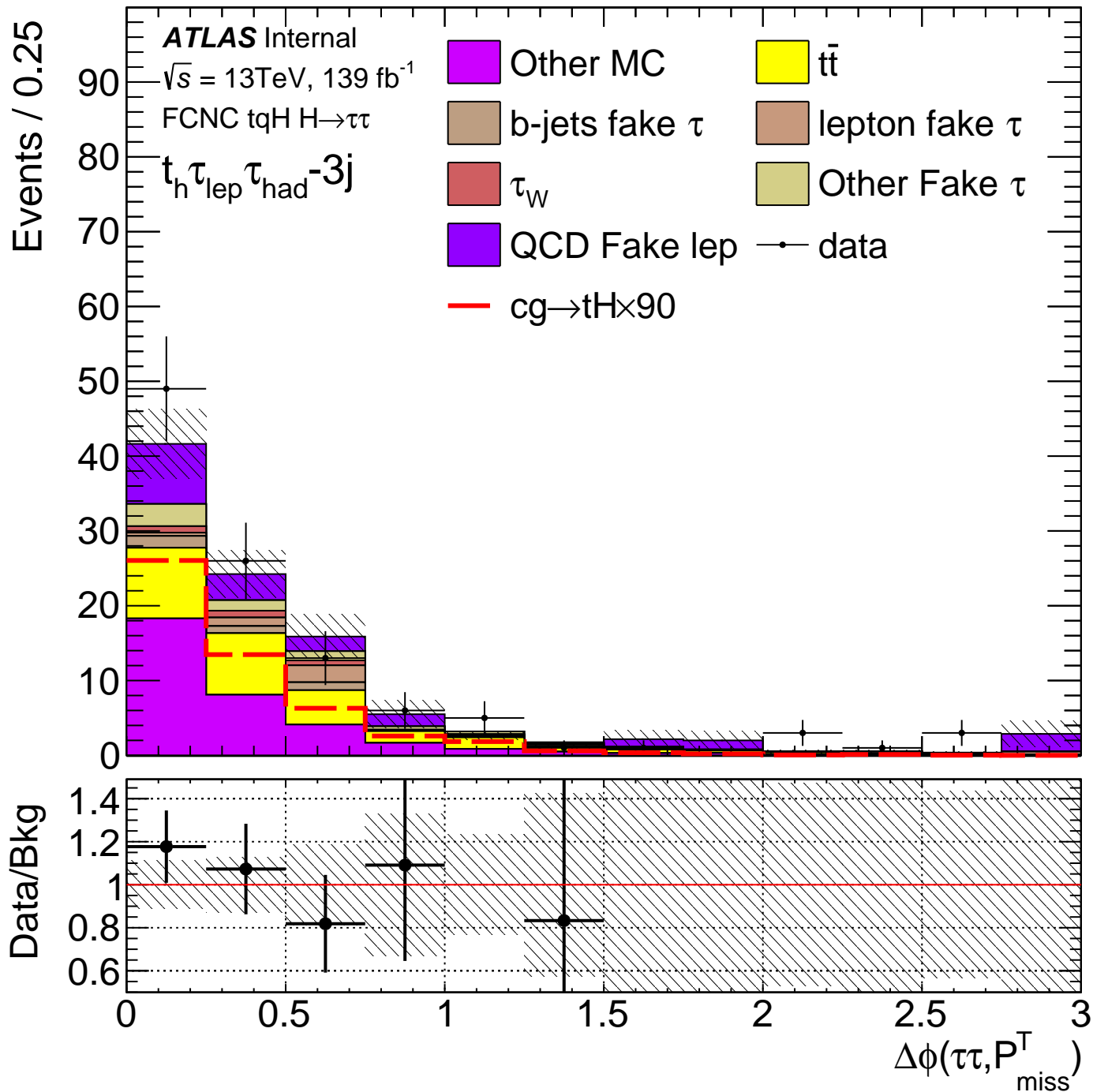
QCD Fake lep

 $\bar{t}t \rightarrow bWcH \times 7$ $t\bar{t}$ lepton fake τ Other Fake τ

data

Data/Bkg





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Other MC

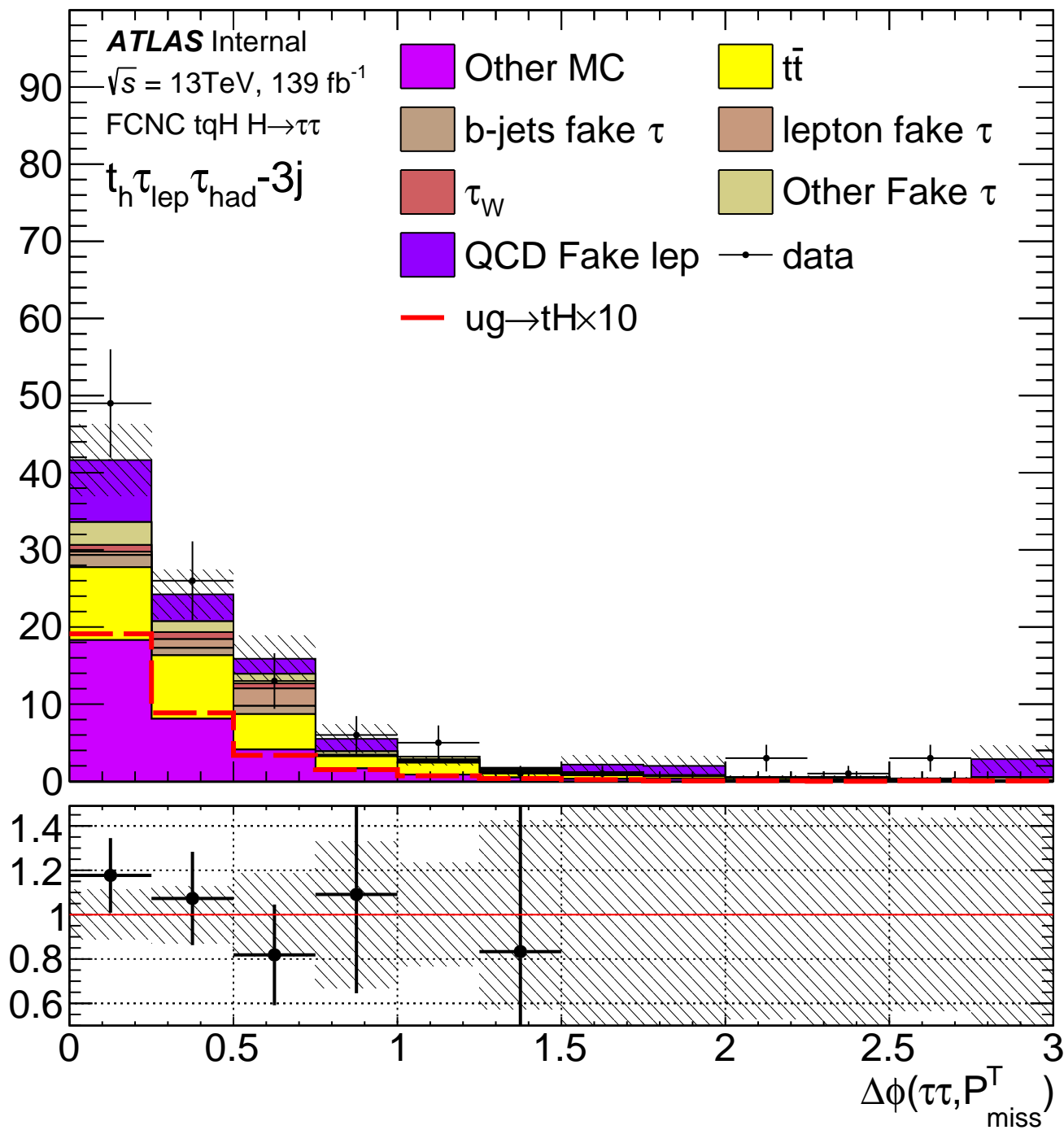
b-jets fake τ τ_W

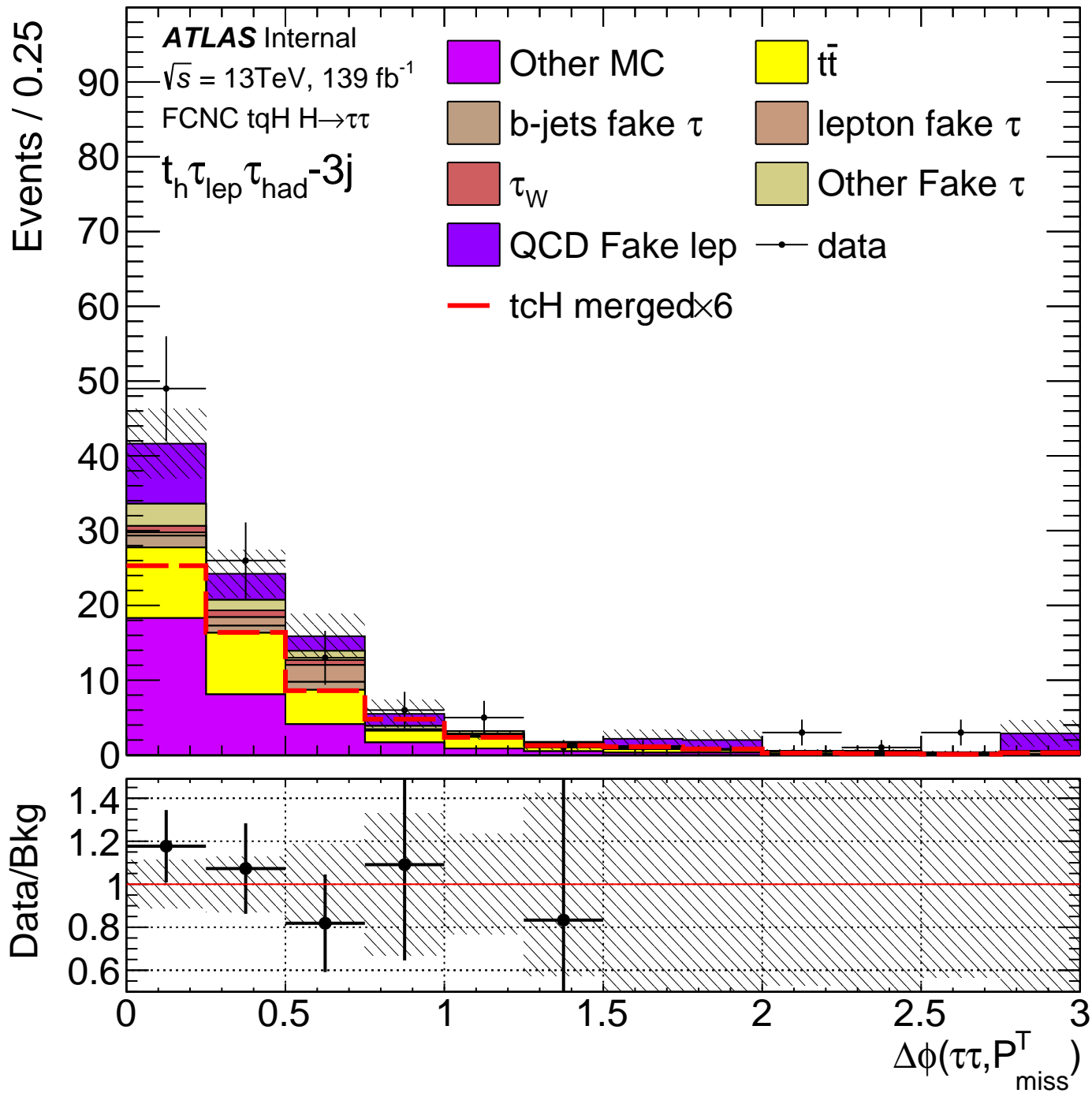
QCD Fake lep

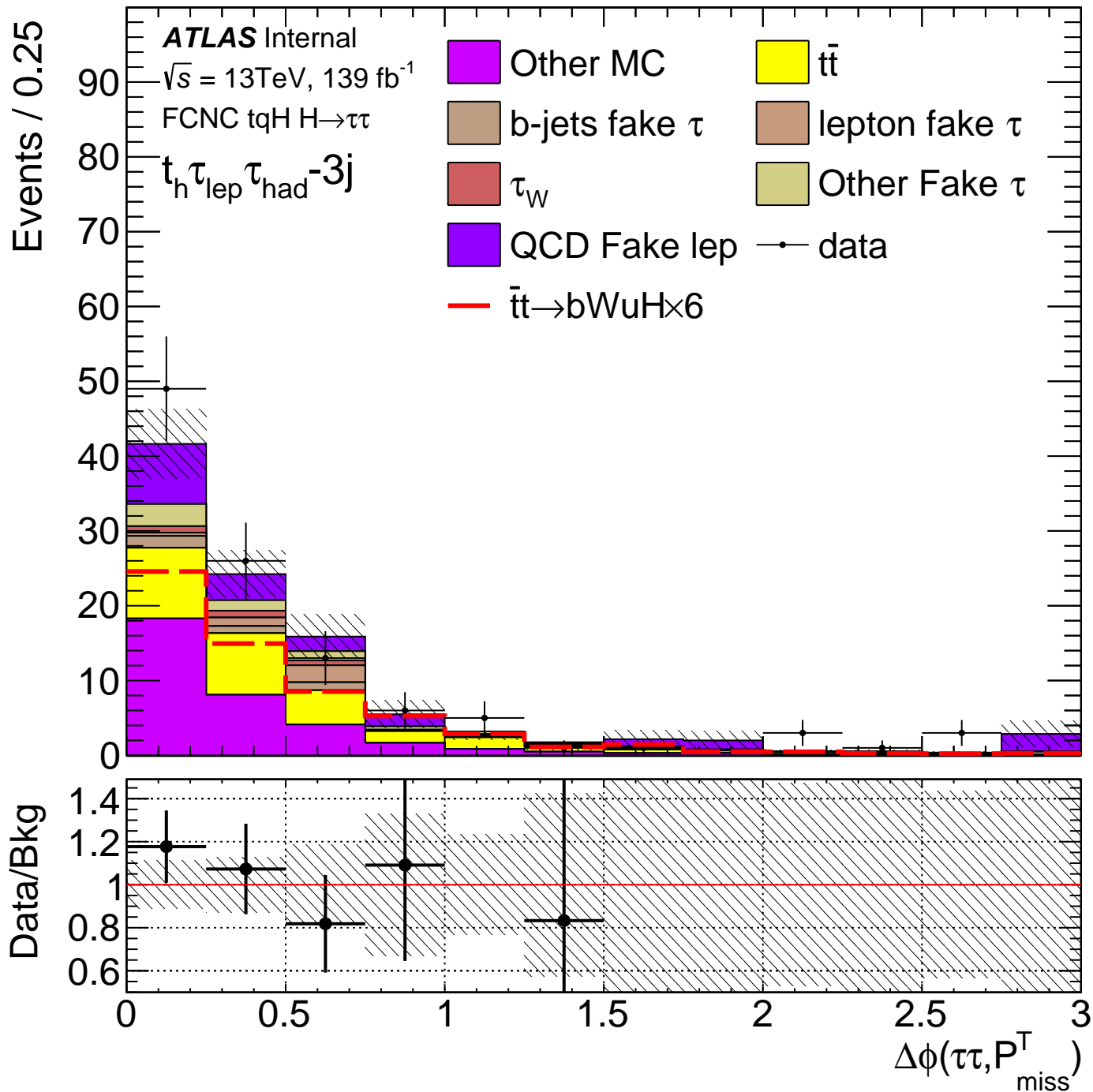
 $u\bar{g} \rightarrow tH \times 10$ $t\bar{t}$ lepton fake τ Other Fake τ

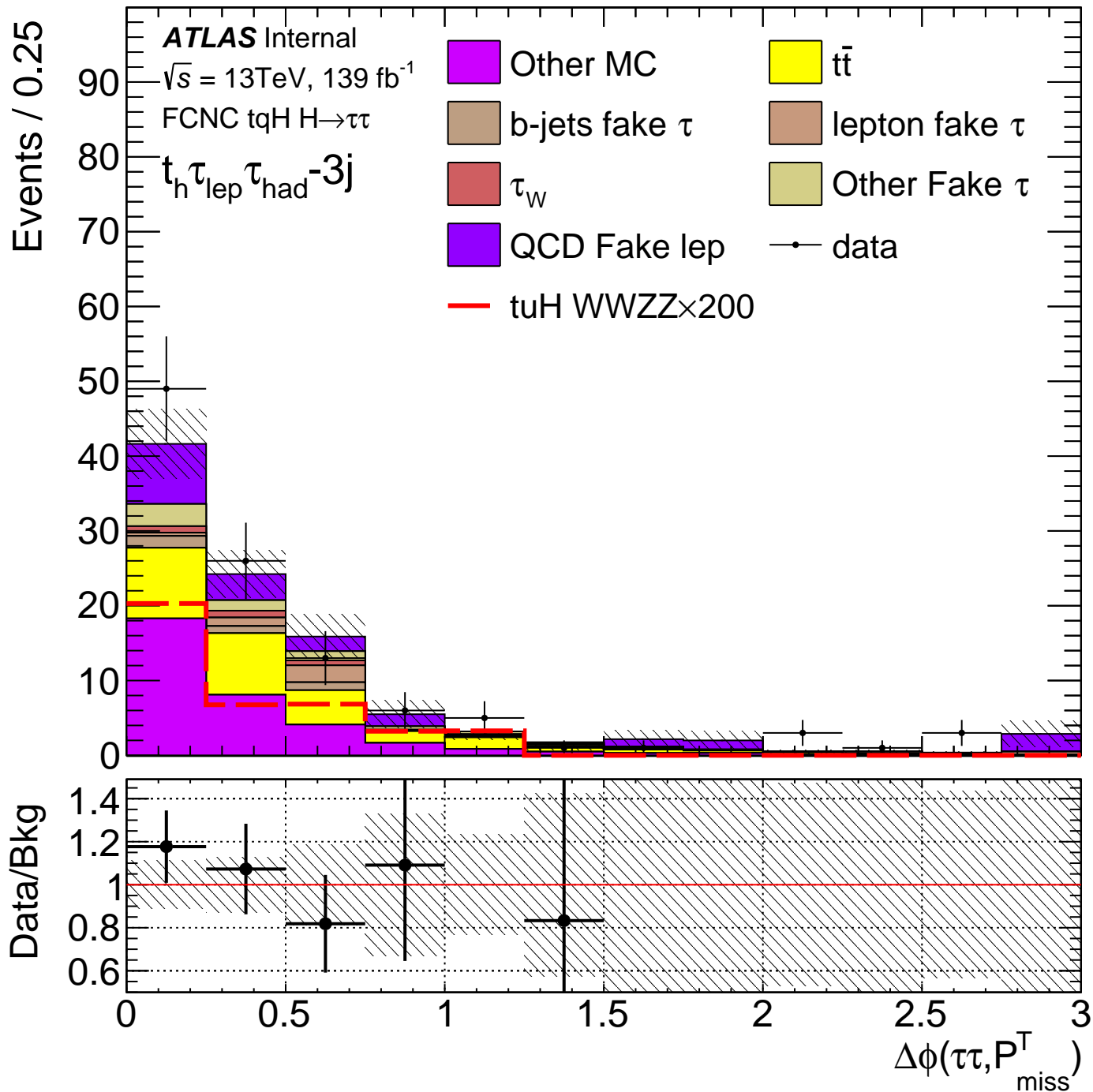
data

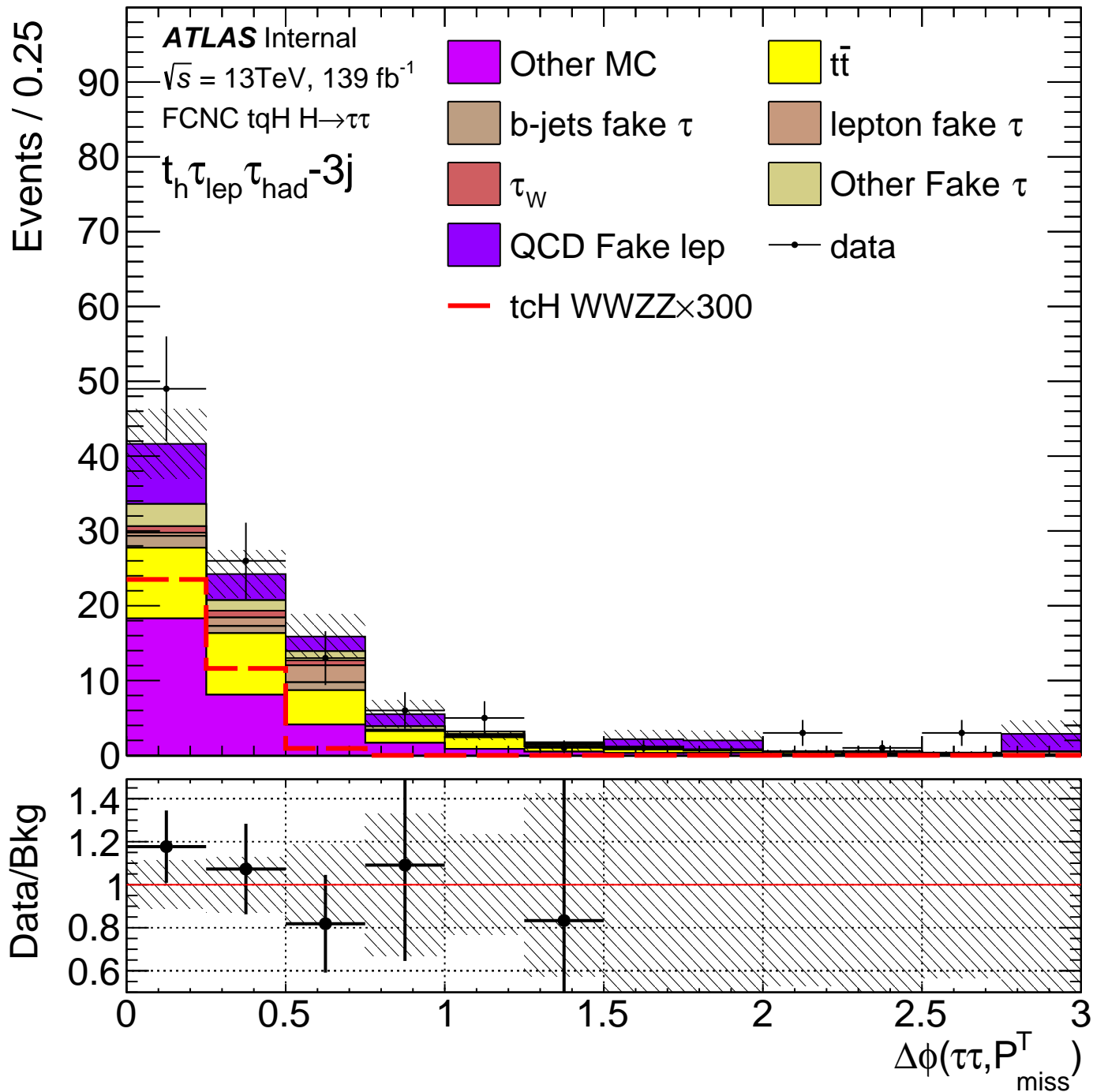
Data/Bkg

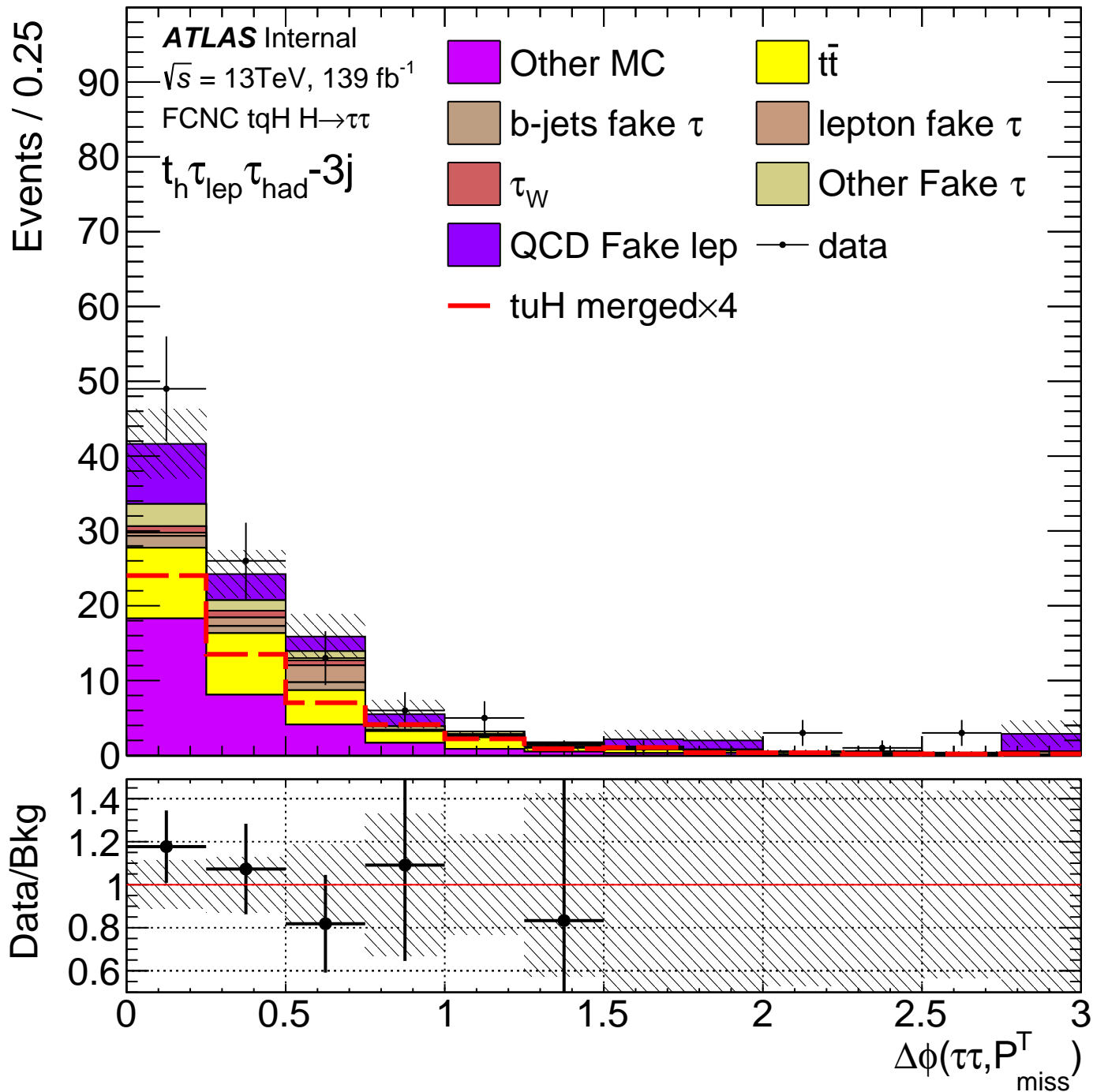












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Other MC	$t\bar{t}$
b-jets fake τ	lepton fake τ
τ_W	Other Fake τ
QCD Fake lep	data
$t\bar{t} \rightarrow bWcH \times 7$	$cg \rightarrow tH \times 90$
$ug \rightarrow tH \times 10$	$t\bar{t} \rightarrow bWuH \times 6$
$tuH\text{ WWZZ} \times 200$	$tcH\text{ WWZZ} \times 300$

Data/Bkg

