

$\times 10^3 \mu_{\tau_h} : \tau\tau$ 137 fb<sup>-1</sup> (13 TeV) $\frac{dN_{\text{evts}}}{y_{\tau\tau}}$ 

100

**CMS**

Observed

Z/t $\bar{t}$ /diboson ( $\tau\tau$ )*Preliminary*Z  $\rightarrow$  llt $\bar{t}$  ( $l\tau$ )Diboson ( $l\tau$ )Jet  $\rightarrow$   $\tau_h$ 

Single h

Bkg.unc.

50

0

Purity

1.0

0.5

0.0

 $\frac{\text{Observed}}{\text{Background}}$ 

1.5

1.0

0.5

0.2

0.4

0.6

0.8

 $y_{\tau\tau}$ 

0.2

0.4

0.6

0.8

1.0