

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

Observed

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

Single h

Bkg.unc.

H(500)  $\rightarrow$  h(125)h<sub>s</sub>(110) (200 fb)