

$\mu\tau_h$ , inclusive35.9 fb<sup>-1</sup> (2016, 13 TeV) $dN_{\text{events}}/dp_T$  (1/GeV) $Z \rightarrow \tau\tau$ Jet  $\rightarrow \tau_h$  $Z \rightarrow \ell\ell$  $t\bar{t}$  $t\bar{t}$  ( $\tau\tau$ )

Diboson

Diboson ( $\tau\tau$ )

Bkg. stat. unc.

 $10 \times gg \rightarrow H$  $10 \times qq \rightarrow H$ 

Observed

15000

10000

5000

1.4

1.2

0.8

0

50

100

150

Visible di- $\tau$   $p_T$  / GeV