

$\times 10^3 \tau_h \tau_h: \tau\tau$ 137 fb⁻¹ (13 TeV) $\frac{dN_{\text{evts}}}{dy_{\tau\tau}}$ **CMS**

● Observed

■ Z/tt̄/diboson (ττ)

■ Z → ll

■ tt̄ (lt)

■ Diboson (lt)

■ Jet → τ_h

■ Single h

■ Bkg.unc.

15

10

5

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