CMS \( \tau^+\tau^- \) Boosted

35.9 fb\(^{-1} \) (13 TeV)

Events/bin

\( p_T^{\tau^+} \) (GeV)

0 < \( p_T^{\tau^+} \) < 100 GeV

100 < \( p_T^{\tau^+} \) < 170 GeV

170 < \( p_T^{\tau^+} \) < 300 GeV

\( p_T^{\tau^+} > 300 \) GeV

Observed

H to \( \tau^+\tau^- \) (\( \mu = 1.09 \))

Z to \( \tau^+\tau^- \)

Z to \( \mu\mu/\text{ee} \)

t\( \bar{t} \) jets

W + jets

QCD multijet

Others

Total unc.

Obs. - bkg.

Bkg. unc.

m_{\tau\tau} \) (GeV)

Obs. - bkg.

Bkg. unc.