

$\mu\tau_h$, high m_{l_mass} 41.5 fb⁻¹ (2017, 13 TeV) $dN_{\text{events}}/d\phi$ $\mu \rightarrow \tau$ embeddedJet $\rightarrow \tau_h$ Z $\rightarrow ll$ $t\bar{t}$

Diboson

Bkg. stat. unc.

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

Observed

Integrals:

 $\mu \rightarrow \tau$ embedded = 27670.41Jet $\rightarrow \tau_h$ = 217882.53Z $\rightarrow ll$ = 646.8 $t\bar{t}$ = 141603.23

Diboson = 27654.63

Observed $ggH+bkg.$ $qqH+bkg.$ Bkg. stat. unc.Missing transverse Energy (Puppi) ϕ 