

Variable	Definition
$\Delta R(\tau, \ell)$	Separation of the lepton and $\tau_{\text{had}}$
$m_T$	Transverse mass of the lepton and $E_T^{\text{miss}}$
$E_T^{\text{miss}}$ $\phi$ -centrality	Centrality of the $E_T^{\text{miss}}$ between the lepton and $\tau_{\text{had}}$
MMC mass	$\tau\tau$ mass estimator
$m_{j1,j2}$	Invariant mass of the 2 leading jets
$\eta_{j1} \times \eta_{j2}$	Product of the $\eta$ s of the two leading jets
$ \eta_{j1} - \eta_{j2} $	Absolute difference $\eta$ s of the two leading jets
$\ell$ $\eta$ -centrality	Centrality of the lepton between the two leading jets
$p_T^{\text{Total}}$	$ \vec{p}_T^\ell + \vec{p}_T^{\tau_h} + \vec{p}_T^{j1} + \vec{p}_T^{j2} + \vec{E}_T^{\text{miss}} $