
$p_T^\tau + p_T^\ell$: scalar sum of τ_h and light lepton ($\ell = e, \mu$) p_T s
 $p_T^\tau - p_T^\ell$: scalar difference of lepton p_T s
 m_{vis} : visible mass of the $\ell\tau_h$ final state
 $|\eta(\tau_h)|$
 $\Delta R(\ell, \tau_h)$: distance in (η, ϕ) between ℓ and τ_h
 p_T^{miss}
 $m_T(\ell, p_T^{\text{miss}})$: transverse mass of ℓp_T^{miss} system
 $m_T(\tau_h, p_T^{\text{miss}})$
 $|\vec{p}_T^{\tau_h} + \vec{p}_T^\ell + \vec{p}_T^{\text{miss}}|$
 $M_{1T} = \left(\sqrt{m_{\text{vis}}^2 + p_{T\tau_h\ell}^2} + p_T^{\text{miss}} \right)^2 - \left| \vec{p}_{T\tau_h\ell} + \vec{p}_T^{\text{miss}} \right|^2$ [49]
 $M_{01} = \left(p_{T\tau_h} + p_{T\ell} + p_T^{\text{miss}} \right)^2 - \left| \vec{p}_{T\tau_h\ell} + \vec{p}_T^{\text{miss}} \right|^2$
