

Variable

Description

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$\Delta\phi(\tau_h, \vec{p}_T^{\text{miss}})$	azimuthal angle between the $\tau_h$ and $\vec{p}_T^{\text{miss}}$ objects
$\Delta\phi(\ell, \vec{p}_T^{\text{miss}})$	azimuthal angle between the $\ell$ and $\vec{p}_T^{\text{miss}}$ objects
$\frac{p_T^{j_1 j_2 - p_T^{H^\pm}}}{p_T^{j_1 j_2 + p_T^{H^\pm}}}$	ratio of $p_T$ sums calculated from $\ell$ , $\tau_h$ , $j_1$ , $j_2$ and $\vec{p}_T^{\text{miss}}$
$\frac{p_T^{j_1 j_2}}{H_T}$	ratio of $p_T$ of the first two leading jets and the $H_T$
$m_T(\ell, \tau_h, j_1, j_2, \vec{p}_T^{\text{miss}})$	$m_T$ reconstructed from $\ell$ , $\tau_h$ , $j_1$ , $j_2$ , and $\vec{p}_T^{\text{miss}}$
$\frac{p_T^3}{H_T}$	ratio of the $p_T$ of the third leading jet and the $H_T$
$m(\ell, \tau_h)$	invariant mass of the $\ell$ and $\tau_h$ objects
$\frac{p_T^{j_1 j_2 + L_T}}{H_T}$	ratio of $p_T$ of first two leading jets plus $L_T$ and the $H_T$
$m_T(\ell, \vec{p}_T^{\text{miss}})$	$m_T$ reconstructed from the $\ell$ and $\vec{p}_T^{\text{miss}}$ objects
$p_T^{\tau_h}$	transverse momentum of $\tau_h$ object
$N_{\text{jets}}$	number of selected jets in the event
$N_{\text{t}^{\text{res}}}$	number of selected $\text{t}^{\text{res}}$ objects in the event

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