

Symbol	Definition
$\max_2 \text{DJ}$	Second-highest DEEPJET score of any jet
$\Delta R(\ell_1, \ell_2)$	ΔR between leading and subleading lepton
$\min \Delta R(\mathbf{b}, \mathbf{b})$	Smallest ΔR between any two b jets
$\min_2 \Delta R(\ell, \mathbf{b})$	Second smallest ΔR between any lepton and b jet
$\Delta\phi(\ell_1, \ell_2) \dagger$	$\Delta\phi$ between leading and subleading lepton
$\min_1 \Delta R(\ell, \mathbf{b}) \dagger$	Smallest ΔR between any lepton and b jet
$m(\mathbf{t}_1)$	Invariant mass of any three jets, of which one is a b jet, that is closest to the top quark mass
$\max_3 \text{DJ}$	Third-highest DEEPJET score of any jet
$\text{DJ}(\mathbf{j}_1)$	DEEPJET score of the leading jet
$m(W_1)$	Invariant mass of any two jets used for $m(\mathbf{t}_1)$ that is closest to the W boson mass
$p_T(\mathbf{j}_4) \dagger$	Fourth-highest p_T of any jet
$\text{DJ}(\mathbf{j}_2)$	DEEPJET score of the subleading jet
$p_T(\mathbf{j}_5)$	Fifth-highest p_T of any jet
H_T	Scalar sum of p_T of all jets
$p_T(\ell_2) \dagger$	Second-highest p_T of any lepton
$\text{DJ}(\mathbf{j}_3) \dagger$	DEEPJET score of the jet with the third-highest p_T
$m_T(\ell_1)$	Transverse mass of the leading lepton and p_T^{miss}
$p_T(\mathbf{j}_1)$	Highest p_T of any jet
$p_T(\ell_1)$	Highest p_T of any lepton
p_T^{miss}	Missing transverse momentum
$m_T(\ell_2) \dagger$	Transverse mass of the subleading lepton and p_T^{miss}
$p_T(\mathbf{j}_2) \dagger$	Second-highest p_T of any jet
$m(\mathbf{t}_2) \dagger$	Invariant mass of any three jets, of which one is a b jet and none of which is used for $m(\mathbf{t}_1)$, that is closest to the top quark mass
N_j	Number of jets
$m_{T2}(\mathbf{b}) \dagger$	m_{T2} variable constructed from the leading and subleading b jet
$m_{T2}(\ell + \mathbf{b}) \dagger$	m_{T2} variable constructed from two lepton+jet systems built with the leading two leptons and the leading two b jets
N_b^{tight}	Number of jets passing the “tight” DEEPJET working point (tighter than in the event selection)
$m(W_2) \dagger$	Invariant mass of any two jets used for $m(\mathbf{t}_2)$ that is closest to the W boson mass
$\max_4 \text{DJ} \dagger$	Fourth-highest DEEPJET score of any jet
N_b^{medium}	Number of jets passing the “medium” DEEPJET working point (tighter than in the event selection, but looser than “tight”)
$p_T(\ell_3) \ddagger$	Third-highest p_T of any lepton
$p_T(\mathbf{j}_3) \ddagger$	Third-highest p_T of any jet
$m_{T2}(\ell) \ddagger$	m_{T2} variable constructed from the leading and subleading lepton
$\text{DJ}(\mathbf{j}_4) \ddagger$	DEEPJET score of the jet with the fourth-highest p_T