

Symbol	Definition	2ℓ	$3\ell+4\ell$
$\max_2 \text{DJ}$	Second-highest DEEPJET score of any jet	1	1
$\max_3 \text{DJ}$	Third-highest DEEPJET score of any jet	8	15
$\max_4 \text{DJ}$	Fourth-highest DEEPJET score of any jet	29	—
$\text{DJ}(j_1)$	DEEPJET score of leading jet	9	7
$\text{DJ}(j_2)$	DEEPJET score of subleading jet	12	11
$\text{DJ}(j_3)$	DEEPJET score of jet with third-highest p_T	16	18
$\text{DJ}(j_4)$	DEEPJET score of jet with fourth-highest p_T	—	22
$\Delta R(\ell_1, \ell_2)$	ΔR between leading and subleading lepton	2	4
$\Delta\phi(\ell_1, \ell_2)$	$\Delta\phi$ between leading and subleading lepton	5	—
$\min \Delta R(\text{b}, \text{b})$	Smallest ΔR between any two b jets	3	3
$\min \Delta R(\ell, \text{b})$	Smallest ΔR between any lepton and b jet	6	—
$\min_2 \Delta R(\ell, \text{b})$	Second-smallest ΔR between any lepton and b jet	4	6
$m(t_1)$	Invariant mass of any three jets, of which one is identified as b jet, that is closest to the top quark mass	7	2
$m(W_1)$	Invariant mass of any two jets used for $m(t_1)$ that is closest to the W boson mass	10	5
$m(t_2)$	Invariant mass of any three jets, of which one is identified as b jet and none of which is used for $m(t_1)$, that is closest to the top quark mass	23	—
$m(W_2)$	Invariant mass of any two jets used for $m(t_2)$ that is closest to the W boson mass	28	—
H_T	Scalar p_T sum of all jets	14	8
p_T^{miss}	Missing transverse momentum	20	13
N_j	Number of jets	24	23
N_b^{tight}	Number of jets passing the tight DEEPJET WP	27	24
N_b^{medium}	Number of jets passing the medium DEEPJET WP	30	—
$p_T(\ell_1)$	Highest p_T of any lepton	19	14
$p_T(\ell_2)$	Second-highest p_T of any lepton	15	17
$p_T(\ell_3)$	Third-highest p_T of any lepton	—	9
$p_T(j_1)$	Highest p_T of any jet	18	12
$p_T(j_2)$	Second-highest p_T of any jet	22	—
$p_T(j_3)$	Third-highest p_T of any jet	—	10
$p_T(j_4)$	Fourth-highest p_T of any jet	11	—
$p_T(j_5)$	Fifth-highest p_T of any jet	13	21
$m_T(\ell_1)$	Transverse mass of leading lepton and p_T^{miss}	17	19
$m_T(\ell_2)$	Transverse mass of subleading lepton and p_T^{miss}	21	16
$m_{T2}(\ell)$	m_{T2} variable constructed from leading and subleading leptons	—	20
$m_{T2}(\text{b})$	m_{T2} variable constructed from leading and subleading b jets	25	—
$m_{T2}(\ell+\text{b})$	m_{T2} variable constructed from two lepton+jet systems built with leading two leptons and leading two b jets	26	—