

## Input variables of the BDT

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$C_{vsL}(j_a)$	$a = 1, 2, 3$	Charm- vs light-quark jet identification variable
$C_{vsB}(j_a)$	$a = 1, 2, 3$	Charm- vs bottom-quark jet identification variable
$\Delta R(j_a, j_b)$	$1 \leq a < b \leq 3$	Angular separation between jets
$m(j_a, j_b)$	$1 \leq a < b \leq 3$	Invariant mass of jet pairs
$\Delta R(j_a, l_b)$	$a = 1, 2, 3; b = 1, 2$	Angular separation between jet and lepton
$m(j_a, l_b)$	$a = 1, 2, 3; b = 1, 2$	Invariant mass of jet-lepton pairs
$p_T(\ell_a)$	$a = 1, 2$	Transverse momentum of leptons
$m(\ell_1, \ell_2, j_a)$	$a = 1, 2, 3$	Invariant mass of the two leptons plus the highest $p_T$ jet
$m(\ell_1, \ell_2)$		Invariant mass of the two leptons
$H_T$		Scalar $p_T$ sum of the jets
$p_T^{\text{miss}}$		Missing transverse momentum