

Variable	<	>	Description
$N(j)$	✓	✓	jet multiplicity
$N(b)$	✓	✓	b-tagged jet multiplicity
$p_T(\ell_a)$	✓	✓	a-th lepton p_T (a:1–2)
p_T^{miss}	✓	✓	missing transverse momentum
H_T	✓	✓	scalar sum of jet p_T
$\Delta R(\ell_1, \ell_2)$	✓	✓	ΔR between two leptons
$\Delta R(\ell_a, j_b)$	✓	✓	ΔR between a-th lepton and b-th jet (a:1–2, b:1–3)
$m_{\ell_1 \ell_2}$	✓	✓	dilepton invariant mass
$m(\ell_a j_{N,1})$	✓	✓	invariant mass of a-th lepton and leading N jet candidate (a:1–2)
$m(\ell \ell j_{N,1})$	✓		invariant mass of two lepton and leading N jet candidate
$m(b \ell_1 \ell_2 j_{N,1})$	✓	✓	invariant mass of two lepton, b-tagged jet, and leading N jet candidate
$m(\ell_a j_{N,1} j_{N,2})$		✓	invariant mass of a-th lepton and two N jet candidates (a:1–2)
$m(b \ell \ell j_{N,1} j_{N,2})$		✓	invariant mass of two leptons, b-tagged jet, and two N jet candidates
$m_T(\ell_1, \vec{p}_T^{\text{miss}})$	✓	✓	transverse mass of leading lepton and p_T^{miss}
$m_T(b_1 \ell_1, \vec{p}_T^{\text{miss}})$	✓	✓	transverse mass of leading lepton +leading b-tagged jet, and p_T^{miss}
$m(\ell_2 j_{L,1})$	✓	✓	invariant mass of subleading lepton and leading untagged jet
$m(\ell_2 j_{W,1} j_{W,2})$		✓	invariant mass of subleading lepton and two W jet candidates