

Variable	Description	0L	1L	2L
$m(\text{H}_{\text{cand}})$	$\text{H}_{\text{cand}}$ mass	✓	✓	✓
$p_{\text{T}}(\text{H}_{\text{cand}})$	$\text{H}_{\text{cand}}$ transverse momentum	✓	✓	✓
$p_{\text{T}}(\text{V})$	vector boson transverse momentum	✓	✓	✓
$m(\text{V})$	vector boson mass			✓
$m_{\text{T}}(\text{V})$	vector boson transverse mass		✓	
$p_{\text{T}}^{\text{miss}}$	missing transverse momentum	✓	✓	
$p_{\text{T}}(\text{V})/p_{\text{T}}(\text{H}_{\text{cand}})$	ratio between vector and $\text{H}_{\text{cand}}$ transverse momentum	✓	✓	✓
$CvsL_{\text{max}}$	$CvsL$ tagger value of the leading $CvsL$ jet	✓	✓	✓
$CvsB_{\text{max}}$	$CvsB$ tagger value of the leading $CvsL$ jet	✓	✓	✓
$CvsL_{\text{min}}$	$CvsL$ tagger value of the subleading $CvsL$ jet	✓	✓	✓
$CvsB_{\text{min}}$	$CvsB$ tagger value of the subleading $CvsL$ jet	✓	✓	✓
$p_{\text{Tmax}}$	$p_{\text{T}}$ of the leading $CvsL$ jet	✓	✓	✓
$p_{\text{Tmin}}$	$p_{\text{T}}$ of the subleading $CvsL$ jet	✓	✓	✓
$\Delta\phi(\text{V}, \text{H}_{\text{cand}})$	azimuthal angle between vector boson and $\text{H}_{\text{cand}}$	✓	✓	✓
$\Delta R(\text{j}_1, \text{j}_2)$	$\Delta R$ between leading and subleading $CvsL$ jet		✓	✓
$\Delta\phi(\text{j}_1, \text{j}_2)$	azimuthal angle between leading and subleading $CvsL$ jet	✓	✓	
$\Delta\eta(\text{j}_1, \text{j}_2)$	difference in pseudorapidity between leading and subleading $CvsL$ jet	✓	✓	✓
$\Delta\phi(\ell_1, \ell_2)$	azimuthal angle between leading and subleading $p_{\text{T}}$ leptons			✓
$\Delta\eta(\ell_1, \ell_2)$	difference in pseudorapidity between leading and subleading $p_{\text{T}}$ leptons			✓
$\Delta\phi(\ell_1, \text{j}_1)$	azimuthal angle between leading $p_{\text{T}}$ lepton and leading $CvsL$ jet		✓	
$\Delta\phi(\ell_2, \text{j}_1)$	azimuthal angle between subleading $p_{\text{T}}$ lepton and leading $CvsL$ jet			✓
$\Delta\phi(\ell_2, \text{j}_2)$	azimuthal angle between subleading $p_{\text{T}}$ lepton and subleading $CvsL$ jet			✓
$\Delta\phi(\ell_1, p_{\text{T}}^{\text{miss}})$	azimuthal angle between leading $p_{\text{T}}$ lepton and missing transverse momentum		✓	
$N_{\text{aj}}$	number of small- $R$ jets minus the number of FSR jets	✓	✓	✓
$N_5^{\text{soft}}$	multiplicity of soft track-based jets with $p_{\text{T}} > 5$ GeV	✓	✓	✓