Variable	Definition	SL (4 jets, ≥ 3 b-tags)	SL (5 jets, ≥ 3 b-tags)	SL (≥ 6 jets, ≥ 3 b-tags)	DL (3 jets, 2 b-tags)	DL (3 jets, 3 b-tags)	DL (≥ 4 jets, 2 b-tags)	DL (≥ 4 jets, 3 b-tags)	DL (≥ 4 jets, ≥ 4 b-tags)
MEM	maxtrix element method discriminant	+	+	+	−	−	−	+	+
BLR	likelihood ratio discriminating between events with 4 b quark jets and 2 b quark jets	+	−	+	−	−	−	−	−
$\mathrm{BLR}^{\mathrm{trans}}$	$\ln[\mathrm{BLR}/(1-\mathrm{BLR})]$	+	−	+	−	−	−	−	−
$p_{\mathrm{T}}(\text{jet 1})$	p_{T} of the 1. jet, ranked in jet p_{T}	−	+	−	−	−	−	−	−
$p_{\mathrm{T}}(\text{jet 3})$	p_{T} of the 3. jet, ranked in jet p_{T}	−	+	−	−	−	−	−	−
$H_{\mathrm{T}}^{\mathrm{b}}$	scalar sum of p_{T} of b-tagged jets	+	+	+	+	−	−	−	+
$\sum_{\mathrm{j,lep}} p_{\mathrm{T}}$	scalar sum of p_{T} of leptons and jets	−	−	−	+	+	−	+	−
$\mathrm{N}_{\mathrm{b}}^{\mathrm{tight}}$	number of b-tagged jets at a working point with 0.1% probability of tagging gluon and light-flavour jets	+	+	−	−	−	−	−	−
$d(\text{jet 4})$	b-tagging discriminant value of 4. jet, ranked in jet p_{T}	+	−	−	−	−	−	−	−
d_2	2. highest b-tagging discriminant value of all jets	+	+	+	−	−	−	−	−
$d_{\mathrm{j}}^{\mathrm{avg}}$	average b-tagging discriminant value of all jets	+	+	+	+	−	+	+	−
$d_{\mathrm{b}}^{\mathrm{avg}}$	average b-tagging discriminant value of all b-tagged jets	+	+	+	−	+	−	+	+
$d_{\mathrm{b}}^{\mathrm{min}}$	minimal b-tagging discriminant value of all b-tagged jets	+	+	−	−	−	−	−	−
$\frac{1}{\mathrm{N_b}}\sum_{b}^{N_{\mathrm{b}}}\left(d-d_{\mathrm{b}}^{\mathrm{avg}}\right)^2$	squared difference between the b-tagged discriminant value of a b-tagged jet and the average b-tagging discriminant values of all b-tagged jets, averaged over all b-tagged jets	+	−	+	−	−	−	−	−
m_{j}'	sum of the masses of all jets divided by the number of dijet pairs	−	−	+	−	−	−	−	−
$m_{\mathrm{b,b}}^{\text{closest to 125}}$	mass of pair of b-tagged jets closest to 125 GeV	−	+	−	−	+	−	−	−
$m_{\mathrm{lep,b}}^{\mathrm{min}\Delta R}$	mass of pair of lepton and b-tagged jet closest in ΔR	−	−	+	−	−	−	−	−
$m_{\mathrm{j,j}}^{\mathrm{min}\Delta R}$	mass of pair of jets closest in ΔR	−	−	−	+	+	−	−	−
$m_{\mathrm{b,b}}^{\mathrm{min}\Delta R}$	mass of pair of b-tagged jets closest in ΔR	−	−	−	+	−	+	+	+