Observable	$1\ell + 2\tau_{\mathrm{h}}$	$2\ell\mathrm{ss}$	3ℓ	$3\ell + 1\tau_{\mathrm{h}}$
$\Delta R(\ell_1, \mathrm{j})$	—	$\surd$	$\surd$	$\surd$
$\Delta R(\ell_2, \mathrm{j})$	—	$\surd$	$\surd$	$\surd$
$\langle \Delta R_{\mathrm{jj}} \rangle$	$\surd$	—	—	$\surd$[2]
$\Delta R_{\tau\tau}$	$\surd$	—	—	—
$\max\left(\lvert\eta^{\ell 1}\rvert, \lvert\eta^{\ell 2}\rvert\right)$	—	$\surd$	$\surd$	$\surd$
$H_{\mathrm{T}}^{\mathrm{miss}}$	$\surd$	—	—	$\surd$[2]
N_{j}	$\surd$	$\surd$	$\surd$	$\surd$
N_{b}	$\surd$	—	—	—
$m_{\tau\tau}^{\mathrm{vis}}$	$\surd$	—	—	—
$m_{\mathrm{T}}^{\ell 1}$	—	$\surd$	$\surd$	$\surd$
$p_{\mathrm{T}}^{\ell 1}$	—	$\surd$[1]	$\surd$[1]	$\surd$[1]
$p_{\mathrm{T}}^{\ell 2}$	—	$\surd$[1]	-	-
$p_{\mathrm{T}}^{\ell 3}$	—	—	$\surd$[1]	$\surd$[1]
$p_{\mathrm{T}}^{\tau 1}$	$\surd$	—	—	—
$p_{\mathrm{T}}^{\tau 2}$	$\surd$	—	—	—
$\mathrm{LR}(3\ell)$	—	—	$\surd$[1]	—
$\mathrm{MVA}_{\mathrm{thad}}^{\mathrm{max}}$	—	$\surd$[2]	—	—
$\mathrm{MVA}_{\mathrm{Hj}}^{\mathrm{max}}$	—	$\surd$[1]	—	—

[1] Used only in BDT that separates $\mathrm{t\bar{t}H}$ signal from $\mathrm{t\bar{t}V}$ background.
[2] Used only in BDT that separates $\mathrm{t\bar{t}H}$ signal from $\mathrm{t\bar{t}}$+jets background.