

Variable	Channels utilizing
$M(\text{jj})$: dijet invariant mass	All
$p_{\text{T}}(\text{jj})$: dijet transverse momentum	All
$p_{\text{T}}(\text{V})$: vector boson transverse momentum	All
CMVA_{max} : value of CMVA for the Higgs boson daughter with largest CSV value	2-lepton, 0-lepton
CMVA_{min} : value of CMVA for the Higgs boson daughter with second largest CSV value	All
CMVA_{add} : value of CMVA for the additional jet with largest CSV value	0-lepton
$\Delta\phi(\text{V}, \text{H})$: azimuthal angle between V and dijet	All
$p_{\text{T}}(j)$: transverse momentum of each Higgs boson daughter	2-lepton, 0-lepton
$p_{\text{T}}(\text{add.})$: transverse momentum of leading additional jet	0-lepton
$ \Delta\eta(\text{jj}) $: difference in η between Higgs boson daughters	2-lepton, 0-lepton
$\Delta R(\text{jj})$: distance in η - ϕ between Higgs boson daughters	2-lepton
N_{aj} : number of additional jets N.B. definition slightly different per channel	1-lepton, 2-lepton
$p_{\text{T}}(\text{jj}) / p_{\text{T}}(\text{V})$: p_{T} balance between Higgs boson candidate and vector boson	2-lepton
: Z boson mass	2-lepton
SA5: number of soft activity jets with $p_{\text{T}} > 5 \text{ GeV}$	All
M_{t} : reconstructed top quark mass	1-lepton
$\Delta\phi(E_{\text{T}}^{\text{miss}}, \ell)$: azimuthal angle between $E_{\text{T}}^{\text{miss}}$ and lepton	1-lepton
$E_{\text{T}}^{\text{miss}}$: missing transverse energy	1-lepton, 2-lepton
$m_{\text{T}}(\text{W})$: W transverse mass	1-lepton
: difference in ϕ between Higgs boson daughters	0-lepton
$\Delta\phi(E_{\text{T}}^{\text{miss}}, \text{jet.})$: azimuthal angle between $E_{\text{T}}^{\text{miss}}$ and the closest jet with $p_{\text{T}} > 30 \text{ GeV}$	0-lepton