

Category	Observable	Goal
0-jet	$m_{\tau\tau}$	Separate H signal from backgrounds
Boosted	$p_T^{\tau\tau}, m_{\tau\tau}$	Separate H signal from backgrounds and BSM from SM HVV
VBF	\mathcal{D}_{NN}	Separate VBF-like H signal from backgrounds
VBF	$\mathcal{D}_{2\text{jet}}^{\text{VBF}}$	Separate ggH from VBF H production
VBF	$\mathcal{D}_{0-}^{\text{ggH}} (\mathcal{D}_{0-})$	Separate BSM from SM Hgg (HVV)
VBF	$\mathcal{D}_{CP}^{\text{ggH}} (\mathcal{D}_{CP}^{\text{VBF}})$	Sensitive to the interference between the CP -even and CP -odd contributions to the Hgg (HVV) coupling