

Analysis	Channel	Categorization	Final discriminant
HVV	VBF (a_3)	\mathcal{D}_{CP}	$[\mathcal{D}_{VBF}, m_{\ell\ell}, \mathcal{D}_{0-}]$
	VBF (a_2)	\mathcal{D}_{int}	$[\mathcal{D}_{VBF}, m_{\ell\ell}, \mathcal{D}_{0+}]$
	VBF ($\kappa_1 \Lambda_1$)	-	$[\mathcal{D}_{VBF}, m_{\ell\ell}, \mathcal{D}_{\Lambda 1}]$
	VBF ($\kappa_2^{Z\gamma} \Lambda_1^{Z\gamma}$)	-	$[\mathcal{D}_{VBF}, m_{\ell\ell}, \mathcal{D}_{\Lambda 1}^{Z\gamma}]$
Approach 1	VH (a_3)	\mathcal{D}_{CP}	$[m_{\ell\ell}, \mathcal{D}_{0-}]$
	VH (a_2)	-	$[m_{\ell\ell}, \mathcal{D}_{0+}]$
	VH ($\kappa_1 \Lambda_1$)	-	$[m_{\ell\ell}, \mathcal{D}_{\Lambda 1}]$
	VH ($\kappa_2^{Z\gamma} \Lambda_1^{Z\gamma}$)	-	$[m_{\ell\ell}, \mathcal{D}_{\Lambda 1}^{Z\gamma}]$
	0- & 1-jet ggH	-	$[m_T, m_{\ell\ell}]$
HVV	VBF	$\mathcal{D}_{CP}, \mathcal{D}_{int}$	$[\mathcal{D}_{VBF}, m_{\ell\ell}, \mathcal{D}_{0-}, \mathcal{D}_{0+}]$
	VH	\mathcal{D}_{CP}	$[m_{\ell\ell}, \mathcal{D}_{0-}, \mathcal{D}_{0+}]$
	0- & 1-jet ggH	-	$[m_T, m_{\ell\ell}]$
Hgg	2-jet ggH	\mathcal{D}_{CP}^{ggH}	$[\mathcal{D}_{VBF}, \mathcal{D}_{0-}^{ggH}]$
	0- & 1-jet ggH	-	$[m_T, m_{\ell\ell}]$