Category	VBF-jet	VH-jet	Untagged
Target	$qq'VV \to qq'H \to (jj)(4\ell)$	$q\bar{q} \to VH \to (jj)(4\ell)$	$H \to 4\ell$
Selection	$\mathcal{D}_{2jet}^{VBF}$ or $\mathcal{D}_{2jet}^{VBF,BSM} > 0.5$	$\mathcal{D}_{2jet}^{ZH}$ or $\mathcal{D}_{2jet}^{ZH,BSM}$ or	not VBF-jet
		$\mathcal{D}_{2jet}^{WH}$ or $\mathcal{D}_{2jet}^{WH,BSM} > 0.5$	not VH-jet
f_{a3} obs.	$\mathcal{D}_{bkg}$, $\mathcal{D}_{0-}^{VBF+dec}$, $\mathcal{D}_{CP}^{VBF}$	$\mathcal{D}_{bkg}$, $\mathcal{D}_{0-}^{VH+dec}$, $\mathcal{D}_{CP}^{VH}$	$\mathcal{D}_{bkg}$, $\mathcal{D}_{0-}^{dec}$, $\mathcal{D}_{CP}^{dec}$
f_{a2} obs.	$\mathcal{D}_{bkg}$, $\mathcal{D}_{0h+}^{VBF+dec}$, $\mathcal{D}_{int}^{VBF}$	$\mathcal{D}_{bkg}$, $\mathcal{D}_{0h+}^{VH+dec}$, $\mathcal{D}_{int}^{VH}$	$\mathcal{D}_{bkg}$, $\mathcal{D}_{0h+}^{dec}$, $\mathcal{D}_{int}^{dec}$
$f_{\Lambda1}$ obs.	$\mathcal{D}_{bkg}$, $\mathcal{D}_{\Lambda1}^{VBF+dec}$, $\mathcal{D}_{0h+}^{VBF+dec}$	$\mathcal{D}_{bkg}$, $\mathcal{D}_{\Lambda1}^{VH+dec}$, $\mathcal{D}_{0h+}^{VH+dec}$	$\mathcal{D}_{bkg}$, $\mathcal{D}_{\Lambda1}^{dec}$, $\mathcal{D}_{0h+}^{dec}$
$f_{\Lambda1}^{Z\gamma}$ obs.	$\mathcal{D}_{bkg}$, $\mathcal{D}_{\Lambda1}^{Z\gamma,VBF+dec}$, $\mathcal{D}_{0h+}^{VBF+dec}$	$\mathcal{D}_{bkg}$, $\mathcal{D}_{\Lambda1}^{Z\gamma,VH+dec}$, $\mathcal{D}_{0h+}^{VH+dec}$	$\mathcal{D}_{bkg}$, $\mathcal{D}_{\Lambda1}^{Z\gamma,dec}$, $\mathcal{D}_{0h+}^{dec}$