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