Category	Subcategory	Requirements
preselection	-	$m_{\ell\ell} > 12 \text{GeV}$, $p_{\text{T1}} > 25 \text{GeV}$, $p_{\text{T2}} > 10(13) \text{GeV}$ for μ (e),
		$E_{ m T}^{ m miss} > 20{ m GeV}$, $p_{ m T}^{\ell\ell} > 30{ m GeV}$, $p_{ m T3} < 10{ m GeV}$
		electron and muon with opposite charge
0-jet ggH-tagged	$e^{+}\mu^{-} p_{T2} > 20 \text{GeV}$	$m_{\rm T} > 60{ m GeV}$, $m_{\rm T}^{\ell 2, E_{\rm T}^{ m miss}} > 30{ m GeV}$
	$e^{-}\mu^{+} p_{T2} > 20 \text{GeV}$	subleading lepton $p_{ m T} > 20{ m GeV}$
	$\mu^{+}e^{-}p_{T2} > 20 \text{GeV}$	no jets with $p_{\rm T} > 30{\rm GeV}$
	$\mu^{-} e^{+} p_{T2} > 20 \text{GeV}$	no b-tagged jets with $p_{\rm T}$ between 20 and 30 GeV
	$e^{+}\mu^{-}$ $p_{T2} < 20$ GeV	$m_{\rm T} > 60 {\rm GeV}, m_{\rm T}^{\ell 2, E_{\rm T}^{\rm miss}} > 30 {\rm GeV}$
	$e^{-}\mu^{+} p_{T2} < 20 \text{GeV}$	subleading lepton $p_{ m T} < 20{ m GeV}$
	$\mu^{+}e^{-}\ p_{T2} < 20\text{GeV}$	no jets with $p_{\rm T} > 30{\rm GeV}$
	$\mu^{-}e^{+}$ $p_{T2} < 20 \text{GeV}$	no b-tagged jets with $p_{\rm T}$ between 20 and 30 GeV
1-jet ggH-tagged	$e^{+}\mu^{-} p_{T2} > 20 \text{GeV}$	$m_{\rm T} > 60 {\rm GeV}$, $m_{\rm T}^{\ell 2, E_{\rm T}^{\rm miss}} > 30 {\rm GeV}$
	$e^{-}\mu^{+} p_{T2} > 20 \text{GeV}$	subleading lepton $p_{\rm T} > 20{\rm GeV}$
	$\mu^{+}e^{-} p_{T2} > 20 \text{GeV}$	exactly one jet with $p_{\rm T} > 30{\rm GeV}$
	$\mu^{-}e^{+} p_{T2} > 20 \text{GeV}$	no b-tagged jets with $p_{\mathrm{T}} > 20\mathrm{GeV}$
	$e^{+}\mu^{-}$ $p_{T2} < 20$ GeV	$m_{\rm T} > 60 {\rm GeV}, m_{\rm T}^{\ell 2, E_{\rm T}^{\rm miss}} > 30 {\rm GeV}$
	$e^{-}\mu^{+}$ $p_{T2} < 20 \text{GeV}$	subleading lepton $p_{ m T} < 20{ m GeV}$
	$\mu^{+}e^{-}$ $p_{T2} < 20 \text{GeV}$	exactly one jet with $p_{\rm T} > 30{\rm GeV}$
	$\mu^{-} \mathrm{e}^{+} \; p_{\mathrm{T2}} < 20 \mathrm{GeV}$	no b-tagged jets with $p_{\rm T} > 20{\rm GeV}$
2-jet ggH-tagged	еµ	at least two jets with $p_T > 30 \text{GeV}$
		$m_{\mathrm{T}}^{\ell 2,E_{\mathrm{T}}^{\mathrm{miss}}} >$ 30 GeV and $m_{\mathrm{T}} >$ 60 GeV
		no b-tagged jets with $p_{\rm T} > 20{\rm GeV}$
		$m_{jj} < 65 \mathrm{GeV}$ or $105 \mathrm{GeV} < m_{jj} < 400 \mathrm{GeV}$