Subcategories	Selection
Global selection	
	$p_{\rm T1} > 25{\rm GeV}$ , $p_{\rm T2} > 10{\rm GeV}$ (2016) or 13 GeV
_	$p_{\mathrm{T}}^{\mathrm{miss}} > 20\mathrm{GeV}$ , $p_{\mathrm{T}}^{\ell\ell} > 30\mathrm{GeV}$
	ee or $\mu\mu$ pair with opposite charge
	$m_{\ell\ell} > 12 \mathrm{GeV}$ , $ m_{\ell\ell} - m_{\mathrm{Z}}  > 15 \mathrm{GeV}$
0-jet ggH category	
<u>, ce e e</u>	$m_{\ell\ell} < 60  { m GeV},  m_{_{ m T}}^{ m H} > 90  { m GeV},   \Delta\phi_{\ell\ell}  < 2.3$
ee, μμ	No b-tagged jets with $p_T > 20 \text{GeV}$
	DYMVA above threshold
WW CR	As SR but with $m_{\ell\ell} > 100 \text{GeV}$
	$m_{\rm T}^{\rm H} > 60 {\rm GeV}, m_{\rm T}(\ell_2, p_{\rm T}^{\rm miss}) > 30 {\rm GeV}$
Top quark CR	As SR but with $m_{\ell\ell} > 100 \text{GeV}$ , $m_{\mathrm{T}}(\ell_2, p_{\mathrm{T}}^{\mathrm{miss}}) > 30 \text{GeV}$
	At least one b-tagged jet with $20 < p_T < 30 \text{GeV}$
1-jet ggH category	**
ee, μμ	$m_{\ell\ell} < 60\mathrm{GeV}$ , $m_\mathrm{T}^\mathrm{H} > 80\mathrm{GeV}$ , $ \Delta\phi_{\ell\ell}  < 2.3$
	No b-tagged jets with $p_{\rm T} > 20{\rm GeV}$
	DYMVA above threshold
WW CR	As SR but with $m_{\ell\ell} > 100\text{GeV}$
	$m_{\rm T}^{\rm H} > 60 {\rm GeV}, m_{\rm T}(\ell_2, p_{\rm T}^{\rm miss}) > 30 {\rm GeV}$
Top quark CR	As SR but with $m_{\ell\ell} > 100 \text{GeV}$ , $m_{\mathrm{T}}(\ell_2, p_{\mathrm{T}}^{\mathrm{miss}}) > 30 \text{GeV}$
	At least one b-tagged jet with $p_T > 30 \text{ GeV}$
2 ist as H category	110000000000000000000000000000000000000
2-jet ggH category	
ee, μμ	$m_{\ell\ell} < 60\mathrm{GeV}$ , $65 < m_\mathrm{T}^\mathrm{H} < 150\mathrm{GeV}$
	No b-tagged jets with $p_{ m T}>20{ m GeV}$ DYMVA above threshold
WW CR	As SR but with $m_{\ell\ell} > 100\mathrm{GeV}$
	$m_{\rm T}^{\rm H} > 60 {\rm GeV}, m_{\rm T}(\ell_2, p_{\rm T}^{\rm miss}) > 30 {\rm GeV}$
Top quark CR	As SR but with $m_{\ell\ell} > 100 \text{GeV}$ , $m_{\mathrm{T}}(\ell_2, p_{\mathrm{T}}^{\mathrm{miss}}) > 30 \text{GeV}$
	At least one b-tagged jet with $p_{\rm T} > 30{\rm GeV}$