

Category	Subcategory	Requirements
Preselection	—	$m_{\ell\ell} > 12 \text{ GeV}, p_{\text{T}1} > 25 \text{ GeV}, p_{\text{T}2} > 13 \text{ (10) GeV}$ for e ( $\mu$ ) $p_{\text{T}}^{\text{miss}} > 20 \text{ GeV}, p_{\text{T}}^{\ell\ell} > 30 \text{ GeV}$ no additional leptons with $p_{\text{T}} > 10 \text{ GeV}$ electron and muon with opposite charges
2-jet VH-tagged	$e\mu$	at least two jets with $p_{\text{T}} > 30 \text{ GeV}$ two leading jets with $ \eta  < 2.5$ $60 < m_{\text{T}} < 125 \text{ GeV}$ and $\Delta R_{\ell\ell} < 2$ no b-tagged jets with $p_{\text{T}} > 20 \text{ GeV}$ $65 < m_{jj} < 105 \text{ GeV}$ and $ \Delta\eta_{jj}  < 3.5$