

Category	Subcategory	Requirements
preselection	-	$m_{\ell\ell} > 12 \text{ GeV}$ , $p_{T1} > 25 \text{ GeV}$ , $p_{T2} > 10(13) \text{ GeV}$ for $\mu(e)$ , $E_T^{\text{miss}} > 20 \text{ GeV}$ , $p_T^{\ell\ell} > 30 \text{ GeV}$ , $p_{T3} < 10 \text{ GeV}$ electron and muon with opposite charge
2-jet VBF-tagged	$e\mu$ low $m_{jj}$	exactly two jets with $p_T > 30 \text{ GeV}$ $60 \text{ GeV} < m_T < 125 \text{ GeV}$ leptons $\eta$ between the two leading jets $400 \text{ GeV} < m_{jj} < 700 \text{ GeV}$ and $ \Delta\eta_{jj}  > 3.5$ no b-tagged jets with $p_T > 20 \text{ GeV}$
	$e\mu$ high $m_{jj}$	exactly two jets with $p_T > 30 \text{ GeV}$ $60 \text{ GeV} < m_T < 125 \text{ GeV}$ leptons $\eta$ between the two leading jets $m_{jj} > 700 \text{ GeV}$ and $ \Delta\eta_{jj}  > 3.5$ no b-tagged jets with $p_T > 20 \text{ GeV}$