

Category	Sub-categories	Selection
Global selection	-	$p_{T1} > 25 \text{ GeV}, p_{T2} > 20 \text{ GeV},$ $m_{\ell\ell} > 12 \text{ GeV}, \Delta\eta_{jj} > 2, p_{T}^{\text{miss}} > 30 \text{ GeV},$ $\tilde{m}_{\text{H}} > 50 \text{ GeV},$ no b-tagged jet with $p_{\text{T}} > 20 \text{ GeV}$
Signal region	1-jet $e\mu(\mu\mu)$	One jet with $p_{\text{T}} > 30 \text{ GeV},$ $e\mu(\mu\mu)$ pair with same charge
	2-jet $e\mu(\mu\mu)$	At least two jets with $p_{\text{T}} > 30 \text{ GeV},$ $e\mu(\mu\mu)$ pair with same charge