

Region	Final state	Requirements	Subregion
SR	$e\mu/\mu e$	$m_T > 60 \text{ GeV}$	$Z_{\ell\ell} < 1$
		$m_{\ell\ell} > 50 \text{ GeV}$	$Z_{\ell\ell} > 1$
		no b jet with $p_T > 20 \text{ GeV}$	
	ee	$m_{\ell\ell} > 120 \text{ GeV}$	$Z_{\ell\ell} < 1$
		$p_T^{\text{miss}} > 60 \text{ GeV}$	$Z_{\ell\ell} > 1$
		no b jet with $p_T > 20 \text{ GeV}$	
$\mu\mu$		$Z_{\ell\ell} < 1$	
		$Z_{\ell\ell} > 1$	
$t\bar{t} + tW \text{ CR}$	$e\mu/\mu e$	$m_{\ell\ell} > 50 \text{ GeV}$	
		at least one b jet with $p_T > 20 \text{ GeV}$	
	ee	$m_{\ell\ell} > 120 \text{ GeV}$	
		$p_T^{\text{miss}} > 60 \text{ GeV}$	
$\mu\mu$	at least one b jet with $p_T > 20 \text{ GeV}$		
DY CR	$e\mu/\mu e$	$m_T < 60 \text{ GeV}$	
		$50 \text{ GeV} < m_{\ell\ell} < 80 \text{ GeV}$	
		no b jet with $p_T > 20 \text{ GeV}$	
	ee		$ \Delta\eta_{jj} < 5$
		$ m_{\ell\ell} - m_Z < 15 \text{ GeV}$	$ \Delta\eta_{jj} > 5$
		$p_T^{\text{miss}} > 60 \text{ GeV}$	
$\mu\mu$	no b jet with $p_T > 20 \text{ GeV}$	$ \Delta\eta_{jj} < 5$	
		$ \Delta\eta_{jj} > 5$	