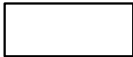


	No b tag	b tag		
$e\mu$	Medium- D_ζ $p_T^{\tau\tau} < 50 \text{ GeV}$	High- D_ζ $p_T^{\tau\tau} < 50 \text{ GeV}$	Medium- D_ζ	High- D_ζ
	$50 < p_T^{\tau\tau} < 100 \text{ GeV}$	$50 < p_T^{\tau\tau} < 100 \text{ GeV}$		
	$100 < p_T^{\tau\tau} < 200 \text{ GeV}$	$100 < p_T^{\tau\tau} < 200 \text{ GeV}$		
	$p_T^{\tau\tau} > 200 \text{ GeV}$	$p_T^{\tau\tau} > 200 \text{ GeV}$		
$e\tau_h$	Tight- m_T	$p_T^{\tau\tau} < 50 \text{ GeV}$	Tight- m_T	
		$50 < p_T^{\tau\tau} < 100 \text{ GeV}$		
		$100 < p_T^{\tau\tau} < 200 \text{ GeV}$		
		$p_T^{\tau\tau} > 200 \text{ GeV}$		
$\mu\tau_h$	Tight- m_T	$p_T^{\tau\tau} < 50 \text{ GeV}$	Tight- m_T	
		$50 < p_T^{\tau\tau} < 100 \text{ GeV}$		
		$100 < p_T^{\tau\tau} < 200 \text{ GeV}$		
		$p_T^{\tau\tau} > 200 \text{ GeV}$		
$\tau_h\tau_h$		$p_T^{\tau\tau} < 50 \text{ GeV}$		
		$50 < p_T^{\tau\tau} < 100 \text{ GeV}$		
		$100 < p_T^{\tau\tau} < 200 \text{ GeV}$		
		$p_T^{\tau\tau} > 200 \text{ GeV}$		
$t\bar{t}(e\mu)$			$D_\zeta < -35 \text{ GeV}$	



Signal region (SR)



Control region