

	SL $W \rightarrow e\nu$	SL $W \rightarrow \mu\nu$	SV $W \rightarrow e\nu$	SV $W \rightarrow \mu\nu$
Lepton p_T^ℓ			$>35 \text{ GeV}$	
Lepton $ \eta^\ell $			<2.4	
Lepton isolation I_{comb}/p_T^ℓ			<0.15	
Transverse mass m_T			$>55 \text{ GeV}$	
Jet p_T^{jet}			$>30 \text{ GeV}$	
Jet $ \eta^{\text{jet}} $			<2.4	
$\Delta R(\text{jet}, \ell)$			>0.4	
Muon in jet p_T^μ		$<25 \text{ GeV}$		
Muon in jet p_T^μ/p_T^{jet}		<0.6		
Muon in jet $ \eta^\mu $		<2.4		
Muon in jet IPS			>2	
Muon in jet $m_{\mu\mu}$			$>12 \text{ GeV} \ \&$ $\notin [70, 110 \text{ GeV}]$	
SV number of tracks				>2
SV displacement significance				>8
SV charge				$\neq 0$