

Category	Subcategory	Requirements
preselection	-	$\min-m_{\ell+\ell^-} > 12 \text{ GeV}, p_{T1} > 25 \text{ GeV}, p_{T2} > 20 \text{ GeV},$ $p_{T3} > 15 \text{ GeV}, p_{T4} < 10 \text{ GeV},$ total lepton charge sum $\pm 1$
3-lepton WH-tagged	OSSF	no jets with $p_T > 30 \text{ GeV}$ no b-tagged jets with $p_T > 20 \text{ GeV}$ $E_T^{\text{miss}} > 50 \text{ GeV}, \min-m_{\ell+\ell^-} < 100 \text{ GeV}$ Z-veto $ m_{\ell\ell} - m_Z  > 25 \text{ GeV}$ $\Delta\phi(\ell\ell\ell, E_T^{\text{miss}}) > 2.2$
	SSSF	no jets with $p_T > 30 \text{ GeV}$ no b-tagged jets with $p_T > 20 \text{ GeV}$ $\Delta\phi(\ell\ell\ell, E_T^{\text{miss}}) > 2.5$