

Category	Single Lepton $W(\ell\nu) + \gamma$	Double Lepton $Z(\ell\ell) + \gamma$
Trigger, Photon, $\Delta\phi(\text{jet}, p_T^{\text{miss}})$	Same as SR	Same as SR
Lepton	$p_T > 30 \text{ GeV}$	Leading: $p_T > 30 \text{ GeV}$ Subleading: $p_T > 10 \text{ GeV}$, Opposite charge
Recoil (U)	$ U > 200 \text{ GeV}, \Delta\phi(\gamma, U) > 0.5$	$ U > 200 \text{ GeV}, \Delta\phi(\gamma, U) > 0.5$
Additional Requirements	$m_T(\ell, p_T^{\text{miss}}) < 160 \text{ GeV}, p_T^{\text{miss}} > 50 \text{ GeV}$ (only for $W(e\nu)$)	$60 < m_{\ell\ell} < 120 \text{ GeV}$