Selection	Requirements	Note
Preselection	leading two leptons have opposite sign and different flavour, $p_T^{\ell_1} > 25\,\text{GeV}$, $p_T^{\ell_2} > 13\,\text{GeV}$, $\lvert\eta\rvert < 2.5\ (2.4)$ for e(μ), $p_T^{\text{miss}} > 20\,\text{GeV}$, $p_T^{\ell\ell} > 30\,\text{GeV}$, no additional leptons with $p_T > 10\,\text{GeV}$	
Signal region	$m^{\ell\ell} > 12\,\text{GeV}$, $m_T^H > 60\,\text{GeV}$, $m_T^{\ell_2} > 30\,\text{GeV}$, no b-tagged jets with $p_T > 20\,\text{GeV}$	Binned by p_T^H or N_{jet} and categorized by lepton properties
t$\bar{\text{t}}$ control region	$m^{\ell\ell} > 50\,\text{GeV}$, $m_T^{\ell_2} > 30\,\text{GeV}$, at least one b-tagged jet with $p_T > 20\,\text{GeV}$ if $N_{\text{jet}} = 0$, else $p_T > 30\,\text{GeV}$	Binned by p_T^H or N_{jet}
$\tau^+\tau^-$ control region	$40 < m^{\ell\ell} < 80\,\text{GeV}$, $m_T^H < 60\,\text{GeV}$, no b-tagged jets with $p_T > 20\,\text{GeV}$	Binned by p_T^H or N_{jet}