

Variable	SR selection criteria
$N_\ell$	$= 2$ (ee, $\mu\mu$ , e $\mu$ )
$Q(\ell_1)Q(\ell_2)$	$-1$
$p_T(\ell_1), p_T(\ell_2)$	$[5, 30]$ GeV
$p_T(\mu_2)$ for high $E_T^{\text{miss}}$ $\tilde{t}$ -like SR	$[3.5, 30]$ GeV
$ \eta_\mu $	$< 2.4$
$ \eta_e $	$< 2.5$
$d_z(\ell_{1,2})$ & $d_{xy}(\ell_{1,2})$	$< 0.01$ cm
$ISO_{\text{rel}}(\ell_{1,2})$ & $ISO_{\text{abs}}(\ell_{1,2})$	$< 0.5$ & $< 5$ GeV
$p_T(\text{jet1})$	$> 25$ GeV
$ \eta (\text{jet1})$	$< 2.4$
$N_b$ ( $> 25$ GeV, CSVL)	$= 0$
$M(\ell\ell)$	$< 50$ GeV
$p_T(\ell\ell)$	$> 3$ GeV
$E_T^{\text{miss}}$	$> 125$ GeV
$E_T^{\text{miss}}$ (muon subtracted)	$> 125$ GeV
$E_T^{\text{miss}} / H_T$	$[0.6, 1.4]$
$H_T$	$> 100$ GeV
$M(\ell\ell)$	$> 4$ GeV
$M(\ell\ell)$	veto $[9, 10.5]$ GeV
$M_{\tau\tau}$	veto $[0, 160]$ GeV
$M_T(\ell_x, E_T^{\text{miss}}), x = 1, 2$	$< 70$ GeV (for electroweakino selection only)