

Variable	SR selection criteria
N_ℓ	$= 2 (ee, \mu\mu, e\mu)$
$Q(\ell_1)Q(\ell_2)$	-1
$p_T(\ell_1), p_T(\ell_2)$	$[5, 30]$ GeV
$p_T(\mu_2)$ for high E_T^{miss} \tilde{t} -like SR	$[3.5, 30]$ GeV
$ \eta_\mu $	< 2.4
$ \eta_e $	< 2.5
IP_{3D}	< 0.01 cm
SIP_{3D}	< 2
$Iso_{\text{rel}}(\ell_{1,2}) \& Iso_{\text{abs}}(\ell_{1,2})$	$< 0.5 \&\& < 5$ GeV
$p_T(\text{jet1})$	> 25 GeV
$ \eta (\text{jet1})$	< 2.4
$N_b (>25 \text{ GeV, CSVv2L})$	$= 0$
$M(\ell\ell)$	< 50 GeV
$p_T(\ell\ell)$	> 3 GeV
E_T^{miss}	> 125 GeV
E_T^{miss} (muon subtracted)	> 125 GeV
E_T^{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)