

Variable	Merged category selection		
	SR	$t(\ell)$ CR	$Z(\ell\ell)$ CR
$p_{\text{T}}^{\text{miss}}$ (GeV)	>250	>50	—
U (GeV)	—	>250	>250
$N_{\text{AK8 jets}}$	1	1	1
	$[p_{\text{T}} > 200 \text{ GeV},$ $70 < m_{\text{SD}} < 160 \text{ GeV},$ double-b tagged]	$[p_{\text{T}} > 200 \text{ GeV},$ $70 < m_{\text{SD}} < 160 \text{ GeV},$ double-b tagged]	$[p_{\text{T}} > 200 \text{ GeV},$ $70 < m_{\text{SD}} < 160 \text{ GeV}]$
N_{jets}	≤ 2	≤ 2	≤ 2
N_{bjets}	0	1	0
N_{ℓ}	0	1	2
$p_{\text{T}}^{\ell\ell}$ (GeV)	—	—	>200
$m_{\ell\ell}$ (GeV)	—	—	$\in[60\text{--}120]$
$\Delta\phi(\vec{p}_{\text{T}}^{\text{miss}}, \vec{p}_{\text{T}}^{\text{jet}})$	>0.4	—	—
$\Delta\phi(\vec{p}_{\text{T}}^{\text{miss}}, \vec{p}_{\text{T}}^{\text{AK8}})$	>0.8	—	—
$\Delta\phi(\text{PF } \vec{p}_{\text{T}}^{\text{miss}}, \text{track } \vec{p}_{\text{T}}^{\text{miss}})$	<2.0	—	—