

Channel	OS $t\bar{t}Z$		SS $t\bar{t}W$			$3l$ $t\bar{t}W$		$3l$ $t\bar{t}Z$		$4l$ $t\bar{t}Z$	
Lepton flavor	$ee/\mu\mu$	$e\mu$	ee	$e\mu$	$\mu\mu$	Any		Any		Any	
Lepton ID	2 loose		2 tight			SS tight		SS tight		4 loose	
Lepton charge ID	≥ 0 pass		2 pass			SS pass		SS pass		4 pass	
$Z \rightarrow ll$ candidates	1		0			0		≥ 1		2	1
Number of jets	5	≥ 6	3	≥ 4		1	≥ 2	3	≥ 4	≥ 1	
Number of b tags	≥ 1 medium		≥ 2 loose or ≥ 1 medium						≥ 1 loose		
Other			$Z \rightarrow ee$ veto							$H_T^{\text{miss}} > 30 \text{ GeV}$	
Subchannels	4		6			2		2		2	