

Region	1 ℓ , 1 τ_h , no additional “loose” ℓ		
	same-sign (ℓ, τ_h)	$p_T^{\text{miss}} > 50 \text{ GeV}$	additional requirements
SR	✓	×	$M_{jj} > 500 \text{ GeV}$
Nonprompt CR	✓	×	
$t\bar{t}$ CR	×	✓	b-tagged jet (“medium”)
OS CR	×	✓	b-tagged jet veto (“loose”)
QCD-enriched CR	1 “loose” $e, \mu, \text{ or } \tau_h$, no add. leptons, $p_T^{\text{miss}} \leq 50 \text{ GeV}$, $M_T(\ell, p_T^{\text{miss}}) < 50 \text{ GeV}$		