

Label	Associated signal region(s)	Dominant background	Leptons	Jets	b jets	p_T^{miss}	Additional or modified selections
sIA	$\ell + \text{jets } t\bar{t} + p_T^{\text{miss}}$	Dileptonic $t\bar{t} + p_T^{\text{miss}}$	$ee, e\mu, \mu\mu$	≥ 3	≥ 1	$\geq 160 \text{ GeV}$	No selection on $M_T, M_{T2}^W, \min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$ bbC/bbD/bbE/bbH/bbI/bbJ control region veto
sIB		W + jets	e or μ		0		No selection on $M_{T2}^W, \min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$
hadA	Hadronic $t\bar{t} + p_T^{\text{miss}}, 0,1\text{RTT}$	$\ell + \text{jets } t\bar{t} + p_T^{\text{miss}}$	e or μ	≥ 4	≥ 2	$\geq 200 \text{ GeV}$	$M_T < 160 \text{ GeV}, 0,1\text{RTT}$
hadB		W/Z + jets	0		0		0,1RTT
hadC		W + jets	e or μ		0		No selection on $M_T < 160 \text{ GeV}, \min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}}), 0,1\text{RTT}$
hadD		Z + jets	ee or $\mu\mu$		0		$60 < m_{\ell\ell} < 120 \text{ GeV}$ No selection on $\min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$
hadE	Hadronic $t\bar{t} + p_T^{\text{miss}}, 2\text{RTT}$	$\ell + \text{jets } t\bar{t} + p_T^{\text{miss}}$	e or μ	≥ 6	≥ 1	$M_T < 160 \text{ GeV}, \geq 2\text{RTT}$	
hadF		W/Z + jets	0	0	0	$\geq 2\text{RTT}$	
hadG		W + jets	e or μ	0	0	No selection on $M_T < 160 \text{ GeV}, \min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}}), \geq 2\text{RTT}$	
bbA	$b\bar{b} + p_T^{\text{miss}}, 1 \text{ b tag}$	W + jets	e	1 or 2	1	$\geq 200 \text{ GeV}$	$50 < M_T < 160 \text{ GeV}$
bbB		$\ell + \text{jets } t\bar{t}$	μ				No selection on $\min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$
bbC		Z + jets	ee				$70 < m_{\ell\ell} < 110 \text{ GeV}$
bbD		$\mu\mu$	No selection on $\min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$				
bbE	Dileptonic $t\bar{t}$	$e\mu$	No selection on $\min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$				
bbF	$b\bar{b} + p_T^{\text{miss}}, 2 \text{ b tag}$	W + jets	e	2 or 3	2	$\geq 200 \text{ GeV}$	$50 < M_T < 160 \text{ GeV}$
bbG		$\ell + \text{jets } t\bar{t}$	μ				No selection on $\min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$
bbH		Z + jets	ee				$70 < m_{\ell\ell} < 110 \text{ GeV}$
bbI		$\mu\mu$	No selection on $\min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$				
bbJ		Dileptonic $t\bar{t}$	$e\mu$				No selection on $\min \Delta\phi(\vec{p}_T^{\text{jet}_i}, \vec{p}_T^{\text{miss}})$