

Region	Targeted contribution(s)	N_e	N_μ	N_γ	$N_{\text{b-tag}}^{\text{iso}}$	CA15 jet b-tag
Signal	$W \rightarrow \{\ell\}\nu,$					
	$Z \rightarrow \nu\nu,$	0	0	0	0	1
	$t\bar{t} \rightarrow \{\text{b}\}qq' + \text{b}\{\ell\}\nu$					
Single-e (b-tagged)	$t\bar{t} \rightarrow \text{b}qq' + \text{b}e\nu$	1	0	0	1	1
Single- μ (b-tagged)	$t\bar{t} \rightarrow \text{b}qq' + \text{b}\mu\nu$	0	1	0	1	1
Single-e (b-vetoed)	$W \rightarrow e\nu$	1	0	0	0	0
Single- μ (b-vetoed)	$W \rightarrow \mu\nu$	0	1	0	0	0
Dielectron	$Z \rightarrow ee$	2	0	0	0	—
Dimuon	$Z \rightarrow \mu\mu$	0	2	0	0	—
Photon	γ	0	0	1	0	—