

Region(s)	Main process(es)	N_e	N_μ	N_γ	$N_{\text{b-tag}}^{\text{iso}}$	Fat jet b-tag
Signal	$W \rightarrow (\ell)\nu,$ $Z \rightarrow \nu\nu,$ $t\bar{t} \rightarrow (\text{b})qq' + \text{b}(\ell)\nu$	0	0	0	0	1
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 (anti-b-tagged)	$W \rightarrow e\nu$	1	0	0	0	0
Single- μ (anti-b-tagged)	$W \rightarrow \mu\nu$	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	—