

		Selection										Used for SR			
	CR	BG	AK8 _{m50}	ℓ_{niso}	b_l	b_m	ℓ_{iso}	ℓ_{isel}	γ	$\Delta\phi_R$	$\Delta\phi_{J,W}$	m_T	Had	lep	lepJet
1	Q1	QCD	1	–	0	–	0	–	–	≥ 2.8	–	–	✓	✓	✓
2	Q2	QCD	≥ 2	–	0	–	0	–	–	≥ 2.8	–	–	✓	✓	✓
3	T1	Top	1	–	–	≥ 1	–	1	0	< 2.8	–	< 120	✓	✓	–
4	T2	Top	≥ 2	–	–	≥ 1	–	1	0	< 2.8	–	< 120	✓	✓	–
5	TnI	Top	≥ 1	≥ 1	–	≥ 1	–	–	0	–	< 0.8	< 140	–	–	✓
6	W1	W	1	–	0	–	–	1	0	< 2.8	–	30–100	✓	✓	–
7	W2	W	≥ 2	–	0	–	–	1	0	< 2.8	–	30–100	✓	✓	–
8	WnI	W	≥ 2	≥ 1	0	–	–	–	0	–	< 0.8	< 140	–	–	✓
9	G'	$Z\nu\bar{\nu}$	≥ 1	–	–	–	0	–	≥ 1	< 2.8	–	–	✓	✓	–
10	DY''	$Z\nu\bar{\nu}$	≥ 1	–	0	–	–	2,OS	0	< 2.8	–	–	✓	✓	–
11	W4Z1'''	$Z\nu\bar{\nu}$	1	–	0	–	1	–	0	< 2.8	–	30–100	✓	✓	–
12	W4Z2'''	$Z\nu\bar{\nu}$	≥ 2	–	0	–	1	–	0	< 2.8	–	30–100	✓	✓	–
13	T4Z1'''	$Z\nu\bar{\nu}$	1	–	–	≥ 1	1	–	0	< 2.8	–	< 120	✓	✓	–
14	T4Z2'''	$Z\nu\bar{\nu}$	≥ 2	–	–	≥ 1	1	–	0	< 2.8	–	< 120	✓	✓	–