

Label	Lepton ID	N_{lep}	N_{jet}^S	$N_{\text{b/SV}}^S$	$p_{\text{T}}^{\text{ISR}}$	$\gamma_{\perp}$	$N_{\text{b tag}}^{\text{ISR}}$	$M_{\perp}$ [GeV]	R_{ISR}
b jets low- Δm 1L	μ^-	1	0	0	high	incl	0	[0, 10]	[0.98, 1]
b jets low- Δm 2L	OS-DF	2	0	0	high	high	0	[0, 15]	[0.95, 1]
	OS-SF	2	0	0	high	high	0	[0, 15]	[0.95, 1]
	Z/noZ	2	1	0	high	high	0	[0, 30]	[0.85, 1]
	Z	2	≥ 2	0	high	high	0	[0, ∞]	[0.9, 1]
SV	-	0	0	≥ 2	low	low	≥ 1	[5, ∞]	[0.985, 1]
	ℓ^-	1	0	≥ 1	low	low	≥ 1	[0, 10]	[0.98, 1]
	$\ell^{\pm}$	1	1	≥ 1	low	low	≥ 1	[0, ∞]	[0.95, 1]
	$\ell\ell$	2	0	≥ 1	low	low	≥ 1	[0, 15]	[0.95, 1]
b jets moderate- Δm	-	0	4	1	high	incl	0	[0, ∞]	[0.85, 1]
	-	0	4	2	high	incl	≥ 1	[0, ∞]	[0.85, 1]
	-	0	≥ 5	1	high	low	0	[0, ∞]	[0.8, 1]
	-	0	≥ 5	≥ 2	high	low	≥ 1	[0, ∞]	[0.8, 1]
	ℓ	1	2	1	high	high	0	[0, ∞]	[0.9, 1]
	ℓ	1	2	2	high	high	≥ 1	[0, ∞]	[0.9, 1]
	ℓ	1	3	1	high	high	0	[0, ∞]	[0.85, 1]
	ℓ	1	3	≥ 2	high	high	≥ 1	[0, ∞]	[0.85, 1]
	ℓ	1	≥ 4	1	high	high	0	[0, ∞]	[0.8, 1]
	ℓ	1	≥ 4	≥ 2	high	high	≥ 1	[0, ∞]	[0.8, 1]
	Z	2	1	≤ 1	high	high	0	[0, ∞]	[0.9, 1]
	Z	2	≥ 2	≤ 1	high	high	0	[0, ∞]	[0.85, 1]
	noZ	2	1	≤ 1	high	high	0	[0, ∞]	[0.9, 1]
	noZ	2	≥ 2	≤ 1	high	high	0	[0, ∞]	[0.85, 1]
Electroweak	OS-SF	2	0	0	high	high	0	[0, 15]	[0.95, 1]
	Z	2	1	0	high	incl	0	[0, ∞]	[0.9, 1]
	Z	2	≥ 2	0	high	incl	0	[0, ∞]	[0.85, 1]
	Z	3	0	0	low	incl	≥ 1	[0, ∞]	[0.9, 1]
	Z	3	≥ 1	0	low	incl	≥ 1	[0, ∞]	[0.85, 1]
2L OS-SF	OS-SF	2	0	0	high	incl	0	[0, 15]	[0.95, 1]
3L	Z	3	0	0	low	incl	≥ 1	[0, ∞]	[0.9, 1]
	Z	3	≥ 1	0	low	incl	≥ 1	[0, ∞]	[0.85, 1]
	noZ	3	0	0	low	incl	≥ 1	[0, ∞]	[0.9, 1]
	noZ	3	≥ 1	0	low	incl	≥ 1	[0, ∞]	[0.85, 1]
	SS	3	incl	0	low	incl	≥ 1	[0, ∞]	[0.9, 1]