Strong-production on-Z search sample ($86 < m_{\ell\ell} < 96$ GeV)

Region	n_j	n_b	H_T [GeV]	$M_{T2}(\ell\ell)$ [GeV]	p_T^{miss} bins [GeV]
SRA b veto	2–3	=0	>500	>80	[100, 150, 230, 300, ∞)
SRB b veto	4–5	=0	>500	>80	[100, 150, 230, 300, ∞)
SRC b veto	>5	=0	—	>80	[100, 150, 250, ∞)
SRA b tag	2–3	>0	>200	>100	[100, 150, 230, 300, ∞)
SRB b tag	4–5	>0	>200	>100	[100, 150, 230, 300, ∞)
SRC b tag	>5	>0	—	>100	[100, 150, 250, ∞)

EW-production on-Z search sample ($86 < m_{\ell\ell} < 96$ GeV)

Region	n_j ($n_V^{boosted}$)	n_b	Dijet mass [GeV]	M_{T2} [GeV]	p_T^{miss} bins [GeV]
Boosted VZ	<2 (>0)	=0	—	—	[100, 200, 300, 400, 500, ∞)
Resolved VZ	>1	=0	$m_{jj} < 110$	$M_{T2}(\ell\ell) > 80$	[100, 150, 250, 350, ∞)
HZ	>1	=2	$m_{bb} < 150$	$M_{T2}(\ell b \ell b) > 200$	[100, 150, 250, ∞)

Edge search sample ($20 < m_{\ell\ell} < 86$ or $m_{\ell\ell} > 96$ GeV)

Region	n_j	n_b	$M_{T2}(\ell\ell)$ [GeV]	p_T^{miss} [GeV]	$m_{\ell\ell}$ bins [GeV]
Edge fit	> 1	—	>80	>200	>20
b veto	> 1	=0	>80	>150	[20, 60, 86]+[96, 150, 200, 300, 400, ∞)
b tag	> 1	>0	>80	>150	[20, 60, 86]+[96, 150, 200, 300, 400, ∞)

Slepton search sample ($20 < m_{\ell\ell} < 65$ or $m_{\ell\ell} > 120$ GeV)

Region	n_j	n_b	$p_T^{\ell_2} / p_T^{j_1}$	M_{T2} [GeV]	p_T^{miss} bins [GeV]
Slepton jet-less	=0	=0	—	$M_{T2}(\ell\ell)$ >100	[100, 150, 225, 300, ∞)
Slepton with jets	>0	=0	>1.2	$M_{T2}(\ell\ell)$ >100	[100, 150, 225, 300, ∞)