

Selection criterion	Cumulative selection efficiency (Run 2)			Selection criterion	Cumulative selection efficiency (2022)		
	$m_N = 2 \text{ GeV}$	$m_N = 3 \text{ GeV}$	$m_N = 4 \text{ GeV}$		$m_N = 2 \text{ GeV}$	$m_N = 3 \text{ GeV}$	$m_N = 4 \text{ GeV}$
Z boson veto	1.00	1.00	1.00	Z boson veto	1.00	1.00	1.00
b jet veto	0.98	0.98	0.99	b jet veto	0.99	0.99	0.99
SV fit quality	0.95	0.95	0.96	SV fit quality	0.96	0.96	0.95
W boson decay	0.92	0.92	0.94	W boson decay	0.93	0.93	0.92
HNL boost: $\Delta R(\mu_1, \mu_2) < 1.0$	0.92	0.92	0.94	HNL boost: $\Delta R(\mu_1, \mu_2) < 1.0$	0.89	0.90	0.90
HNL boost: $p_T(\mu_1, \mu_2) > 10 \text{ GeV}$	0.92	0.92	0.94	HNL boost: $p_T(\mu_1, \mu_2) > 10 \text{ GeV}$	0.89	0.90	0.90
HNL boost: $\cos \theta(\mu_1, \mu_2) > 0.9$	0.86	0.87	0.87	HNL boost: $\cos \theta(\mu_1, \mu_2) > 0.9$	0.86	0.85	0.84
W boson mass	0.81	0.82	0.83	W boson mass	0.82	0.80	0.80