

Base event selection

Description	Variable	Requirement	Definition of individual analysis regions			
preselection	Lepton p_T threshold	$> 25, 20, 15 \text{ GeV}$				
	Fourth lepton veto	$< 10 \text{ GeV}$				
	$\text{Min}(m_{\ell\ell})$	$> 12 \text{ GeV}$				
	Sum of lepton charges	± 1	Requirements	$\geq 2b \text{ SR}$	1b SR	WZ CR
Z mass window	$ m_{\ell\ell} - m_Z $	$< 25 \text{ GeV}$	Number of b -tagged jets	≥ 2	1	0
p_T^{miss} cut	p_T^{miss}	$> 40 \text{ GeV}$				
Jet selection	Jet multiplicity	$> 4 \text{ jets}$				
	Jet p_T threshold	$> 30 \text{ GeV}$				
	Jet $ \eta $ threshold	< 2.5				