

Observable	Selection criterion		
	Low Mass Resolved	Low Mass Boosted	High Mass
	same lepton flavour, opposite charge		
$p_T(\ell)$ (GeV)	$> 40/24$	$> 40/24$	$e(\mu) > 115/35(50/20)$
$ \eta(\ell) $	(e) < 2.1 , (μ) < 2.4	(e) < 2.1 , (μ) < 2.4	(e) < 2.5 , (μ) $< 2.1/2.4$
$\Delta R(\ell\ell)$	(ee) > 0.3	(ee) > 0.3	–
$M(\ell^+\ell^-)$ (GeV)	[76, 106]	[76, 106]	[70, 110]
$ \eta(j) $	< 2.4	< 2.4	< 2.4
$\Delta R(\ell j)$ (AK8)	> 0.8	> 0.8	–
$\Delta R(\ell j)$ (AK4)	> 0.4	–	–
$p_T(\ell^+\ell^-)$ (GeV)	> 100	> 200	> 170
$p_T(V_{\text{had}})$ (GeV)	> 100	> 200	> 200
τ_{21}	–	< 0.45	Low Purity [0.45,0.75] + High Purity [< 0.45]
b tagging	Untagged	Untagged	–
	+ Tagged[CSVL + CSVM]	+ Tagged[CSVM]	–