

Observable	Event category	
	Resolved	Boosted
Leptons	Same flavor, opposite charge	
$p_T(\ell)$ (GeV)	>40	>40
$ \eta(\ell) $	<2.4	<2.4
$m_{\ell\ell}$ (GeV)	[76, 106]	[76, 106]
$ \eta(j) $ or $ \eta(J) $	<2.4	<2.4
$\Delta R(\ell J)$ (AK8)	—	>0.8
$\Delta R(\ell j)$ (AK4)	>0.4	—
$\Delta R(jj)$	<1.5	—
$p_T(\ell\ell)$ (GeV)	>150	>200
$p_T(jj)$ or $p_T(J)$ (GeV)	>150	>200
PUPPI τ_{21}	—	<0.4 (2016), <0.45 (2017, 2018)
SR1 m_{jj} or m_J (GeV)	[65, 110]	[65, 105]
SR2 m_{jj} or m_J (GeV)	[95, 135]	[95, 135]
SB m_{jj} or m_J (GeV)	$[30, 65] \cup [135, 180]$	$[30, 65] \cup [135, 300]$
b tagging	Untagged / Tagged [L+M]	Untagged / Tagged [L+M]