

Particle type	Selection
	ZZ base selection
Leptons	$p_{\text{T}}(\ell_1) > 20 \text{ GeV}$ $p_{\text{T}}(\ell_2) > 10 \text{ GeV}$ $p_{\text{T}}(\ell) > 5 \text{ GeV}$ $ \eta(\ell) < 2.5$
Z and ZZ	$40 < m_{Z_1} < 120 \text{ GeV}, 4 < m_{Z_2} < 120 \text{ GeV}$ $m_{\ell\ell} > 4 \text{ GeV}$ (any oppositely charged same-flavor pair)
Jets	$p_{\text{T}}(\text{j}) > 30 \text{ GeV}$ $ \eta(\text{j}) < 4.7$ $\Delta R(\ell, \text{j}) > 0.4$ for each ℓ, j
	On-shell ZZ region
Z and ZZ	ZZ base selection + $60 < m_{Z_1, Z_2} < 120 \text{ GeV}$
	Full $m_{4\ell}$ range
Z and ZZ	ZZ base selection + $m_{4\ell} > 80 \text{ GeV}$