

Selection	Value
Lepton selections	
Electron	$p_T > 120$ (45) GeV $ \eta < 2.5$ (except $1.44 < \eta < 1.57$)
Muon	$p_T > 53$ (40) GeV $ \eta < 2.1$
Number of electrons	exactly 1
Number of muons	exactly 1
AK4 jet selections	
Jet p_T	$p_T > 30$ GeV
Jet η	$ \eta < 2.4$
Number of b-tagged AK4 jets	0
p_T^{miss} selections	
p_T^{miss} (electron channel)	$p_T^{\text{miss}} > 80$ GeV
p_T^{miss} (muon channel)	$p_T^{\text{miss}} > 40$ GeV
Boson selections	
$W \rightarrow \ell\nu$	$p_T > 200$ GeV
$V \rightarrow q\bar{q}$ (AK8 jet)	$p_T > 200$ GeV $ \eta < 2.4$
Back-to-back topology	$\Delta R(\ell, V_{q\bar{q}}) > 1.6$ $\Delta\phi(V_{q\bar{q}}, p_T^{\text{miss}}) > 2$ $\Delta\phi(V_{q\bar{q}}, W_{\ell\nu}) > 2$
Pruned jet mass	$65 < m_{\text{jet}} < 105$ (95) GeV
2- to 1-subjettiness ratio	$\tau_{21} < 0.60$ (0.45)
m_{jet} categories (only for high-mass analysis)	
WW	$65 < m_{\text{jet}} < 85$ GeV
WZ	$85 < m_{\text{jet}} < 105$ GeV