

Lepton	$\ell = \mu(e)$ with $p_T^\ell > 25(30) \text{ GeV}$, $ \eta^\ell < 2.1$ (1.44) $p_T^{\text{sum}} < 0.1 \times p_T^\ell$, $p_T^{\text{sum}} < 5 \text{ GeV}$ ($\Delta R = 0.3$)
Veto lepton	μ or e with $p_T^\ell > 5 \text{ GeV}$, $ \eta^\ell < 2.4$ $p_T^{\text{sum}} < 0.2 \times p_T^\ell$
Veto track	charged PF candidate, $p_T > 10 \text{ GeV}$, $ \eta < 2.4$ $p_T^{\text{sum}} < \min(0.1 \times p_T, 6 \text{ GeV})$
Veto tau	hadronic τ with $p_T > 10 \text{ GeV}$, $ \eta < 2.4$ τ MVA isolation
Jets	anti- k_T jets, $R = 0.4$, $p_T > 30 \text{ GeV}$, $ \eta < 2.4$ anti- k_T jets, $R = 0.8$, $p_T > 250 \text{ GeV}$, $ \eta < 2.4$
b tagging	DeepCSV algorithm (medium)
H tagging	mass-decorrelated Higgs tag discriminator (medium)
p_T^{sum} cone size	for μ or e : $\Delta R = \min[\max(0.05, 10 \text{ GeV} / p_T^\ell), 0.2]$ for track: $\Delta R = 0.3$