

Object	Requirement
Single muon	$p_T > 26 \text{ GeV}, \eta < 2.1$
Veto for additional muons	$p_T > 10 \text{ GeV}, \eta < 2.5$
Electron veto	$p_T > 20 \text{ GeV}, \eta < 2.5$ (1.44 < $ \eta $ < 1.56 excluded)
Single photon	$p_T > 50 \text{ GeV}, \eta < 2.5$ (1.44 < $ \eta $ < 1.56 excluded)
At least one jet ($N_{\text{b jet}} < 2$)	$p_T > 30 \text{ GeV}, \eta < 2.5$
Missing p_T	$p_T^{\text{miss}} > 30 \text{ GeV}$
Muon, jets, and photons	$\Delta R(\mu, \gamma)$ and $\Delta R(\text{jet}, \gamma) > 0.7$
Reconstructed top quark mass	$130 < m_{\mu\nu b} < 220 \text{ GeV}$