

Online $p_T$ trigger thresholds	single-e: $p_T > 25(32)$ GeV, cross-e: $p_T > 24$ GeV single- $\mu$ : $p_T > 22(24)$ GeV, cross- $\mu$ : $p_T > 19(20)$ GeV di-tau: $p_T > 35$ GeV, di-tau VBF: $p_T > 20$ GeV
Offline $p_T$ thresholds	1 GeV (electrons and muons), 5 GeV (taus)
$\eta$ thresholds	electrons and muons: $ \eta  < 2.1$ tau: $ \eta  < 2.1$ (2.3) for di-tau and cross (single) triggers
Lepton ID and Isolation	Tight electron MVA ID+Iso, Tight muon ID and Iso
$\tau_h$ isolation ( $\tau_e \tau_h, \tau_\mu \tau_h$ channels)	Medium DeepTauVsJet Tight DeepTauVsMu Very-loose DeepTauVsEle
$\tau_h$ isolation ( $\tau_h \tau_h$ channel)	Medium DeepTauVsJet Very-loose DeepTauVsMu Very-very-loose DeepTauVsEle
Distance to PV	$ d_{xy}  < 0.045$ cm (electrons and muons only) $ d_z  < 0.2$ cm
Pair selections	opposite sign, $\Delta R > 0.5$