

	resolved $\tau\tau$	boosted $\tau\tau$
Electrons	$p_T > 25\text{--}33\text{ GeV}$, $ \eta < 2.5$ (2.1) for single (cross) trigger	$p_T > 20\text{ GeV}$, $ \eta < 2.5$
Muons	$p_T > 21\text{--}29\text{ GeV}$, $ \eta < 2.1$	$p_T > 20\text{ GeV}$, $ \eta < 2.4$
Hadronic taus	$p_T > 25\text{--}40(20)\text{ GeV}$, $ \eta < 2.1$ (2.3) for ditau and cross (single) triggers	$p_T > 40\text{ GeV}$, $ \eta < 2.3$
Lepton ID	tight electron BDT ID tight muon ID	loose electron cut-based ID (excluding isolation cut) loose muon ID
τ_h ID ($\tau_e\tau_h$ channel)	medium DEEPTAUVSJET tight DEEPTAUVSMU tight DEEPTAUVSELE	BOOSTEDDEEPTAUVSJET
τ_h ID ($\tau_\mu\tau_h$ channel)	medium DEEPTAUVSJET tight DEEPTAUVSMU very-very-loose DEEPTAUVSELE	BOOSTEDDEEPTAUVSJET
τ_h ID ($\tau_h\tau_h$ channel)	medium DEEPTAUVSJET very-loose DEEPTAUVSMU very-very-loose DEEPTAUVSELE	BOOSTEDDEEPTAUVSJET
Pair requirement	two opposite-sign τ candidates	
Separation between $\tau\tau$ pair candidates	$\Delta R > 0.5$	$0.05 < \Delta R < 0.6$ ($\tau_e\tau_h$ only) $0.05 < \Delta R < 0.7$ ($\tau_\mu\tau_h$ only) $0.05 < \Delta R < 0.8$ ($\tau_h\tau_h$ only)