

Signal Region		Inclusive	$\tau_{\text{lep}}\tau_{\text{lep}}$	$\tau_{\text{lep}}\tau_{\text{had}}$	$\tau_{\text{had}}\tau_{\text{had}}$
VBF	High- $p_{\text{T}}^{\tau\tau}$	$p_{\text{T}}^{j_2} > 30 \text{ GeV}$ $ \Delta\eta_{jj} > 3$ $m_{jj} > 400 \text{ GeV}$ $\eta_{j_1} \cdot \eta_{j_2} < 0$ Central leptons	—		$p_{\text{T}}^{\tau\tau} > 140 \text{ GeV}$ $\Delta R_{\tau\tau} < 1.5$
	Tight		$m_{jj} > 800 \text{ GeV}$	$m_{jj} > 500 \text{ GeV}$ $p_{\text{T}}^{\tau\tau} > 100 \text{ GeV}$	Not VBF high- $p_{\text{T}}^{\tau\tau}$ $m_{jj} > (1550 - 250 \cdot \Delta\eta_{jj}) \text{ GeV}$
	Loose		Not VBF tight		Not VBF high- $p_{\text{T}}^{\tau\tau}$ and not VBF tight
Boosted	High- $p_{\text{T}}^{\tau\tau}$	Not VBF $p_{\text{T}}^{\tau\tau} > 100 \text{ GeV}$	$p_{\text{T}}^{\tau\tau} > 140 \text{ GeV}$ $\Delta R_{\tau\tau} < 1.5$		
	Low- $p_{\text{T}}^{\tau\tau}$		Not boosted high- $p_{\text{T}}^{\tau\tau}$		