

Final state	Trigger	Lepton selection	Additional selection	
$\tau_h \tau_h$	τ_h (35 GeV) τ_h (35 GeV)	$p_T^{\tau_h} > 45(40)$ GeV, $ \eta^{\tau_h} < 2.1$	Med	DeepTau iso
$\tau_\mu \tau_h$	μ (22 GeV) or μ (19 GeV) τ_h (20 GeV)	$p_T^\mu > 23$ GeV, $ \eta^\mu < 2.1$ $p_T^\mu > 20$ GeV, $p_T^{\tau_h} > 30$ GeV, $ \eta^{\tau_h} < 2.3$	$I_{rel}(\mu) < 0.15$	$m_T^\mu < 50$ GeV Med DeepTau iso
$\tau_e \tau_h$	e (25 GeV)	$p_T^e > 30$ GeV, $ \eta^e < 2.1$ $p_T^{\tau_h} > 30$ GeV, $ \eta^{\tau_h} < 2.3$	$I_{rel}(e) < 0.15$	$m_T^e < 50$ GeV Med DeepTau iso
$\tau_e \tau_\mu$	μ (8 GeV) e (23 GeV) or μ (23 GeV) e (12 GeV)	$p_T^e > 15$ GeV, $ \eta^e < 2.4$ $p_T^\mu > 15$ GeV, $ \eta^\mu < 2.4$ $p_T^\ell > 24$ GeV for lead trigger leg	$I_{rel}(e) < 0.15$ $I_{rel}(\mu) < 0.20$	