

Year	Trigger	HLT condition	L1 condition
2016	$\mu\tau_h$	$p_T^\mu > 19 \text{ GeV}$ (isolated) $p_T^{\tau_h} > 20 \text{ GeV}$ (unseeded)	$p_T^\mu > 18 \text{ GeV}$
	$e\tau_h$	$p_T^e > 24 \text{ GeV}$ , $p_T^{\tau_h} > 20 \text{ GeV}$ (unseeded) <sup>(1)</sup>	$p_T^e > 22 \text{ GeV}$
		$p_T^e > 24 \text{ GeV}$ , $p_T^{\tau_h} > 20 \text{ GeV}$ (seeded & nonisolated) <sup>(2)</sup>	$p_T^e > 22 \text{ GeV}$ , $p_T^{\tau_h} > 20 \text{ GeV}$
		$p_T^e > 24 \text{ GeV}$ , $p_T^{\tau_h} > 30 \text{ GeV}$ (seeded & isolated) <sup>(3)</sup>	$p_T^e > 22 \text{ GeV}$ , $p_T^{\tau_h} > 26 \text{ GeV}$
	$\tau_h\tau_h$	$p_T^{\tau_h} > 35 \text{ GeV}$ (seeded & isolated)	$p_T^{\tau_h} > 28\text{--}36 \text{ GeV}$
	$\tau_h + p_T^{\text{miss}}$	$p_T^{\text{miss}} > 90 \text{ GeV}$ , $p_T^{\tau_h} > 50 \text{ GeV}$ , $p_T^{h^\pm} > 30 \text{ GeV}$ (unseeded)	$p_T^{\text{miss}} > 80\text{--}100 \text{ GeV}$
	Single $\tau_h$	$p_T^{\tau_h} > 140 \text{ GeV}$ , $p_T^{h^\pm} > 50 \text{ GeV}$ (seeded)	$p_T^{\tau_h} > 120 \text{ GeV}$
2017 & 2018	$\mu\tau_h$	$p_T^\mu > 20 \text{ GeV}$ (isolated), $p_T^{\tau_h} > 27 \text{ GeV}$ (seeded & nonisolated)	$p_T^\mu > 18 \text{ GeV}$ , $p_T^{\tau_h} > 24/26 \text{ GeV}$
	$e\tau_h$	$p_T^e > 24 \text{ GeV}$ , $p_T^{\tau_h} > 30 \text{ GeV}$ (seeded & isolated)	$p_T^e > 22/24 \text{ GeV}$ , $p_T^{\tau_h} > 26/27 \text{ GeV}$
	$\tau_h\tau_h$	$p_T^{\tau_h} > 35 \text{ GeV}$ (seeded & isolated)	$p_T^{\tau_h} > 32\text{--}36 \text{ GeV}$
	$\tau_h + p_T^{\text{miss}}$	$p_T^{\text{miss}} > 100 \text{ GeV}$ , $p_T^{\tau_h} > 50 \text{ GeV}$ , $p_T^{h^\pm} > 30 \text{ GeV}$ (seeded)	$p_T^{\text{miss}} > 80\text{--}110 \text{ GeV}$ , $p_T^{\tau_h} > 40 \text{ GeV}$
	Single $\tau_h$	$p_T^{\tau_h} > 180 \text{ GeV}$ , $p_T^{h^\pm} > 50 \text{ GeV}$ (seeded)	$p_T^{\tau_h} > 120\text{--}130 \text{ GeV}$