

Final state	Trigger requirement	Lepton selection		
		p_T (GeV)	η	Isolation
$\mu\tau_h$	$\mu(24)$	$p_T^\mu > 26$	$ \eta^\mu < 2.4$	$I^\mu < 0.15$
		$p_T^{\tau_h} > 20$	$ \eta^{\tau_h} < 2.3$	Tight MVA τ_h ID
$e\tau_h$	$e(25)$	$p_T^e > 26$	$ \eta^e < 2.1$	$I^e < 0.1$
		$p_T^{\tau_h} > 20$	$ \eta^{\tau_h} < 2.3$	Tight MVA τ_h ID
$\tau_h\tau_h$	$\tau_h(35) \& \tau_h(35)$	$p_T^{\tau_h} > 55 \& 40$	$ \eta^{\tau_h} < 2.1$	Loose MVA τ_h ID