

Channel	Trigger requirement	Minimal lepton selection		
		$p_T$ (GeV)	$\eta$	Isolation
$\tau_h \tau_h$	$\tau_h$ [35] & $\tau_h$ [35] (2016) $\tau_h$ [40] & $\tau_h$ [40] (2017, 2018)	$p_T^{\tau_h} > 40$	$ \eta^{\tau_h}  < 2.1$	DNN $\tau_h$ ID
$\mu \tau_h$	$\mu$ [22] (2016)	$p_T^\mu > 20$	$ \eta^\mu  < 2.1$	$I^\mu < 0.15$
	$\mu$ [19] & $\tau_h$ [21] (2016)	$p_T^{\tau_h} > 30$	$ \eta^{\tau_h}  < 2.3$	DNN $\tau_h$ ID
	$\mu$ [24] (2017, 2018) $\mu$ [20] & $\tau_h$ [27] (2017, 2018)			
$e \tau_h$	$e$ [25] (2016)	$p_T^e > 25$	$ \eta^e  < 2.1$	$I^e < 0.15$
	$e$ [27] (2017)	$p_T^{\tau_h} > 30$	$ \eta^{\tau_h}  < 2.3$	DNN $\tau_h$ ID
	$e$ [32] (2018) $e$ [24] & $\tau_h$ [30] (2017, 2018)			
$e \mu$	$e$ [12] & $\mu$ [23] (all years)	$\min(p_T^e, p_T^\mu) > 15$	$ \eta^e  < 2.4$	$I^e < 0.15$
	$e$ [23] & $\mu$ [8] (all years)	$\max(p_T^e, p_T^\mu) > 24$	$ \eta^\mu  < 2.4$	$I^\mu < 0.15$