

Channel	Trigger requirement	Lepton selection	
	p_T (GeV)	p_T (GeV)	η
$e\mu$	$p_T^e > 12 \ \& \ p_T^\mu > 23$	$p_T^e > 13$	$ \eta^e < 2.5$
		$p_T^\mu > 24$	$ \eta^\mu < 2.4$
	$p_T^e > 23 \ \& \ p_T^\mu > 8$	$p_T^e > 24$	$ \eta^e < 2.5$
		$p_T^\mu > 15$	$ \eta^\mu < 2.4$
$e\tau_h$	$p_T^e > 25$	$p_T^e > 26$	$ \eta^e < 2.1$
		$p_T^{\tau_h} > 30$	$ \eta^{\tau_h} < 2.3$
$\mu\tau_h$	$p_T^\mu > 22$	$p_T^\mu > 23$	$ \eta^\mu < 2.1$
		$p_T^{\tau_h} > 30$	$ \eta^{\tau_h} < 2.3$
	$p_T^\mu > 19 \ \& \ p_T^{\tau_h} > 21$	$20 < p_T^\mu < 23$	$ \eta^\mu < 2.1$
		$p_T^{\tau_h} > 30$	$ \eta^{\tau_h} < 2.3$
$\tau_h\tau_h$	$p_T^{\tau_h} > 35 \ \& \ 35$	$p_T^{\tau_h} > 50 \ \& \ 40$	$ \eta^{\tau_h} < 2.1$