Analysis	Physics objects	Trigger selections threshold [GeV]	Kinematic requirements [GeV]
$H \rightarrow \gamma\gamma$	γ	$p_T^\gamma(1/2) > 30/18$	$p_T^\gamma > 35/25$
$H \rightarrow ZZ \rightarrow 4\ell$	μ, e	$p_T^\mu(1/2) > 23/8$	$p_T^\mu > 5$
		$p_T^e(1/2) > 17/8$	$p_T^e > 7$
$H \rightarrow WW \rightarrow \ell\nu\ell\nu$	μ, e, p_T^{miss}	$p_T^\mu(1/2) > 23/12$	$p_T^\mu(1/2) > 25/13$
		$p_T^e(1/2) > 23/12$	$p_T^e(1/2) > 25/13$
			$p_T^{\text{miss}} > 20$
$H \rightarrow Z\gamma$	μ, e, γ	$p_T^\mu(1/2) > 17/8$	$p_T^\mu(1/2) > 20/10$
		$p_T^e(1/2) > 23/12$	$p_T^e(1/2) > 25/15$
			$p_T^\gamma > 15$
$H \rightarrow \tau\tau$	μ, e, τ_h	$p_T^\mu > 20$	$p_T^\mu > 20$
		$p_T^e > 24$	$p_T^e > 25$
		$p_T^{\tau_h} > 35$	$p_T^{\tau_h} > 40$
$H \rightarrow bb$	μ, e, p_T^{miss}, jet	$p_T^\mu > 22$	$p_T^\mu > 25$
		$p_T^e > 32$	$p_T^e > 30$
		$p_T^{\text{miss}} > 120$	$p_T^{\text{miss}} > 170$
		$E_j > 330$	$E_j > 450$
$H \rightarrow \mu\mu$	μ	$p_T^\mu > 24$	$p_T^\mu(1/2) > 26/20$