

Control Region	Category	n_{object} reqs.	Mass reqs. (GeV)	p_T reqs. (GeV)
$\mu + \text{jets}$	ttH VH	$n_\mu = 1$	$50 < m_T^\mu < 110$	$p_{T,\mu 1} > 20$
$e + \text{jets}$	ttH VH	$n_e = 1$	$50 < m_T^e < 110$	$p_{T,e 1} > 40$
$\mu\mu + \text{jets}$	ttH VH	$n_\mu = 2$	$75 < m_{\mu\mu} < 105$ $60 < m_{\mu\mu} < 120$	$p_{T,\mu 1} > 20, p_{T,\mu 2} > 10$
$ee + \text{jets}$	ttH VH	$n_e = 2$	$75 < m_{ee} < 105$ $60 < m_{ee} < 120$	$p_{T,e 1} > 40, p_{T,e 2} > 10$
$\gamma + \text{jets}$	VH	$n_\gamma = 1$	–	$p_T^\gamma > 230$