

Photons

Jets

Variable	Requirement	Variable	Requirement
leading photon p_T	$> m_{\gamma\gamma}/3$	p_T	$> 25. \text{ GeV}$
subleading photon p_T	$> m_{\gamma\gamma}/4$	$\Delta R_{\gamma j}$	> 0.4
$ \eta $	< 2.5	$ \eta $	$< 2.4(2.5)$ for 2016 (2017–2018)
		njets	> 1
$m_{\gamma\gamma}$	100–180 GeV		70–190 GeV for HH and
		m_{jj}	70–1200 GeV for HY jet-pairs with the highest DEEPJET score sum
$t\bar{t}H$ discriminant	≥ 0.26		