

	Baseline selection	
H_T	$> 900 \text{ GeV}$	
Number of AK8 jets	$\geq 2 \text{ } (p_T > 350 \text{ GeV}, \eta < 2.4, m^{\text{SD}} > 50 \text{ GeV})$	
Highest p_T AK8-jet pair satisfying $ \Delta\eta $	< 1.6	
Selected jets pass the top quark tag	2	
Number of photons	$\geq 2 \text{ } (p_T > 25 \text{ GeV}, \eta < 1.44, 1.57 < \eta < 2.5)$	
	Signal region (SR)	Control region (CR)
Number of selected WP80 photons	2	0