

Selection type	Criteria
Preselection	Diphoton HLT $p_T^\gamma > 75$ (100) GeV for 2016 (2017–2018) $H/E < 0.10$ Photon ID with electron veto $ \eta^\gamma < 2.5$ (except $1.444 < \eta^\gamma < 1.566$, EB-EE transition veto) $m_{\gamma\gamma} > 350$ GeV
Acoplanarity	$A_\phi < 0.0025$
Diphoton $\tilde{\zeta}_{\gamma\gamma}$	$0.02 < \tilde{\zeta}_{\gamma\gamma}^\pm < 0.20$
Diproton $\tilde{\zeta}_p$ acceptance	$0.035 < \tilde{\zeta}_p < 0.150$ (0.180) for sector-45 (sector-56)