General uncertainties in normalization	
Integrated luminosity	2.6%
Diphoton trigger efficiency	1.0%

Resonant low-mass and nonresonant analyses: 2D fit to $m_{\gamma\gamma}$ and m_{jj}	
Uncertainties in normalization	
Diphoton selection efficiency	1.0%
Acceptance in p_T^j (JES and JER)	1.0%
b tagging efficiency in the high-purity category	5.0%
——— b tagging efficiency in the medium-purity category ———	
Low-mass resonant and nonresonant $m_{\gamma\gamma jj}^{kin.} < 350\,\text{GeV}$	2.1%
Nonresonant $m_{\gamma\gamma jj}^{kin.} > 350\,\text{GeV}$	2.8%
————— $m_{\gamma\gamma jj}^{kin.}$ acceptance (PES, JES, PER and JER) —————	
Low-mass resonant	1.5%
Nonresonant $m_{\gamma\gamma jj}^{kin.} < 350\,\text{GeV}$ categories	1.5%
Nonresonant $m_{\gamma\gamma jj}^{kin.} > 350\,\text{GeV}$ categories	0.5%
Uncertainties in the PD parameters	
m_{jj} resolution (JER), $\frac{\Delta\sigma_{jj}}{\sigma_{jj}}$	10%
m_{jj} scale (JES), $\frac{\Delta m_{jj}}{m_{jj}}$	2.6%
$m_{\gamma\gamma}$ resolution (PER), $\frac{\Delta\sigma_{\gamma\gamma}}{\sigma_{\gamma\gamma}}$	5%
————— $m_{\gamma\gamma}$ scale (PES and uncertainty in m_H) —————	
Low-mass resonant, $\frac{\Delta m_{\gamma\gamma}}{m_{\gamma\gamma}}$	0.4%
Nonresonant, $\frac{\Delta m_{\gamma\gamma}}{m_{\gamma\gamma}}$	0.5%

High-mass resonant analysis: 1D fit to $m_{\gamma\gamma jj}^{kin.}$	
Uncertainties in normalization	
Photon acceptance	1.0%
b tagging efficiency in the high-purity category	5.0%
b tagging efficiency in the medium-purity category	2.8%
m_{jj} and p_T^j acceptance related to JES and JER	1.5%
$m_{\gamma\gamma}$ selection acceptance related to PES and PER	0.5%
Extra high p_T^γ normalization uncertainty	5.0%
Uncertainties in the PD parameters	
$m_{\gamma\gamma jj}^{kin.}$ scale (PES and JES), $\frac{\Delta m_{\gamma\gamma jj}^{kin.}}{m_{\gamma\gamma jj}^{kin.}}$	1.4%
$m_{\gamma\gamma jj}^{kin.}$ resolution (PER and JER), $\frac{\Delta\sigma_{\gamma\gamma jj}^{kin.}}{\sigma_{\gamma\gamma jj}^{kin.}}$	10.0%