

8 TeV

CMS

Simulation

Supplementary

$pp \rightarrow HH \rightarrow \gamma\gamma b\bar{b}$

■ $\gamma\gamma/\gamma\text{jet} + \geq 2 \text{ jets: } m_{\gamma\gamma jj}^{\text{kin}}$

— $m_X = 300 \text{ GeV: } m_{\gamma\gamma jj}^{\text{kin}}$

— $m_X = 700 \text{ GeV: } m_{\gamma\gamma jj}^{\text{kin}}$

▨ $\gamma\gamma/\gamma\text{jet} + \geq 2 \text{ jets: } m_{\gamma\gamma jj}$

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