

19.7 fb<sup>-1</sup> (8 TeV)

Events / 1 GeV

**CMS** $pp \rightarrow HH \rightarrow \gamma\gamma b\bar{b}$ High-purity,  $m_{\gamma\gamma}^{\text{kin}} < 350$  GeV

● Data

— Background model

■ 68% CL

■ 95% CL

