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Search for di-Higgs production in the $HH \rightarrow b\bar{b}\gamma\gamma$ decay channel with the ATLAS detector

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We present a search for di-Higgs production in the $HH \rightarrow b\bar{b}\gamma\gamma$ decay channel. The measurement uses 139fb^{-1} of pp collisions recorded by the ATLAS experiment at a center-of-mass energy of 13 TeV. Selected events are separated into multiple regions, targeting both the SM signal and BSM signals with modified Higgs self-couplings. The latest results will be presented.

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