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Search for pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state with the ATLAS experiment

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An enhanced production of double Higgs bosons would be a clear sign of beyond Standard Model physics. A search is performed for resonant and non-resonant excess production, where the two Higgs bosons both decay to a pair of bottom quarks. The analyses use up to 36 fb^{-1} of p-p collision data collected by the ATLAS detector at 13 TeV.

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