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Search for di-Higgs production

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Searches for resonant and non-resonant Higgs boson pair production are performed with LHC data. The searches cover a wide mass range for the resonant case and different decay channels have been explored. No significant deviation from the Standard Model prediction is observed in data. The 95% confidence-level observed and expected limit is set on the cross-section for non-resonant/resonance production.

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