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## Searches for HH production at 13 TeV with the CMS detector

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The production of a pair of Higgs bosons provides a direct handle on the structure of the Higgs field potential. While the HH production within the SM is very small and essentially out of the experimental reach within the LHC Run II, several beyond SM theories foresee an enhancement that can be already probed with the available data. The latest searches for resonant and non-resonant Higgs pair production made using CMS Run II data are presented considering different decay modes of the Higgs boson.

### Experimental Collaboration

CMS

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