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Di-Higgs searches at CMS and ATLAS

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The search for events where two Higgs bosons have been produced is a fundamental step in understanding the SM electroweak symmetry breaking. It can also be a powerful tool to investigate the existence of massive bosons that decay via two Higgs particles. This topic is of particular interest for the high luminosity LHC program. In this presentation I will show the recent studies by ATLAS and CMS that search for the production of either two resonant or non-resonant Higgs bosons, and I will discuss the future perspectives of this research program.

Primary author: PELLICCIONI, Mario (Istituto Nazionale di Fisica Nucleare)

Presenter: PELLICCIONI, Mario (Istituto Nazionale di Fisica Nucleare)

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