9th International Conference on New Frontiers in Physics (ICNFP 2020)



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Type: Talk

Search for di-Higgs production at 13 TeV and prospects for HL-LHC

Saturday 5 September 2020 09:00 (30 minutes)

The latest results on production of Higgs boson pairs at 13 TeV by the ATLAS experiment are reported, including a combination of six different decay modes. Results include bbtautau, bbbb, bbgamgam, bbWW, WWWW and WWgamgam final states, and they are interpreted both in terms of sensitivity to the SM and as limits on kappa_lambda, a scaling of the triple-Higgs interaction strength. Future prospects of testing the Higgs self-couplings at the High Luminosity LHC (HL-LHC) will also be presented.

Is this abstract from experiment?

Yes

Is the speaker for that presentation defined?

Yes

Name of experiment and experimental site

ATLAS, http://atlas.cern/

Internet talk

Yes

Details

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