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Search for rare and exotic Higgs Boson decay modes and Higgs boson pair production with the ATLAS detector

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Several theories beyond the Standard Model predict enhanced production rates for Higgs Boson pair production. Other theories predict Lepton Flavour Violating decays of the Higgs boson or enhanced decay rates into rare modes like Z-photon, J/Psi-photon, Phi-photon or into pairs of light pseudoscalar bosons “a”. In this presentation the latest ATLAS results on searches for these particles will be discussed.

Summary

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