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Searches for additional charged and neutral Higgs bosons in ATLAS

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The discovery of the Higgs boson with the mass of about 125 GeV completed the particle content predicted by the Standard Model. Even though this model is well established and consistent with many measurements, it is not capable to solely explain some observations. Many extensions of the Standard Model addressing such shortcomings introduce additional charged and neutral Higgs-like bosons. The current status of searches for additional low- and high-mass charged and neutral Higgs bosons based on the full LHC Run 2 dataset of the ATLAS experiment at 13 TeV are presented.

In-person participation

Yes

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