

# Searches for additional Higgs bosons in ATLAS

*Thursday, 10 November 2022 14:35 (15 minutes)*

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 neutral Higgs-like bosons. The current status of searches for such new neutral Higgs bosons based on the full LHC Run 2 dataset of the ATLAS experiment at 13 TeV are presented.

## Type of talk

Experimental measurements

**Presenter:** LI, Ke (University of Washington (US))

**Session Classification:** Thursday Session B

**Track Classification:** Physics Topics: Beyond the Standard Model