

# Searches for invisible Higgs boson decays at the ATLAS experiment

*Wednesday, November 9, 2022 5:45 PM (15 minutes)*

In the Standard Model, the branching ratio for Higgs boson decays to invisible final states is very small, but it can be significantly enhanced in extensions of the Standard Model. This talk presents searches for Higgs boson decays to invisible final states by the ATLAS experiment using the full Run 2 dataset of pp collisions collected at 13 TeV at the LHC, as well as their combination and interpretation.

## Type of talk

Experimental measurements

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**Session Classification:** Wednesday Session A

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