

# The 43rd International Symposium on Physics in Collision - PIC 2024



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## Measurements of Higgs boson properties with the ATLAS detector

*Wednesday 23 October 2024 17:30 (20 minutes)*

This talk presents precise measurement of the properties of the Higgs boson, including its mass, total width, spin, and CP quantum number. The measurements are performed in various Higgs boson production and decay modes, as well as their combinations. Observation of deviations between these measurements and Standard Model (SM) predictions would be a sign of possible new phenomena beyond the SM

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