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Measurements of Higgs boson properties (mass, width, and Spin/CP) with the ATLAS detector

Tuesday 9 May 2023 14:30 (15 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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