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Type: **Talk**

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

*Tuesday 27 August 2024 17:00 (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

### Internet talk

No

### Is this an abstract from experimental collaboration?

Yes

### Name of experiment and experimental site

ATLAS

### Is the speaker for that presentation defined?

Yes

### Details

Mohamed Aly - University of Manchester - United Kingdom

**Primary authors:** VIVARELLI, Iacopo (Universita e INFN, Bologna (IT)); ALY, Mohamed (University of Manchester (GB))

**Presenter:** ALY, Mohamed (University of Manchester (GB))

**Session Classification:** High Energy Particle Physics

**Track Classification:** Main topics: High Energy Particle Physics