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Type: **Parallel session**

## **Measurement of CP properties of the Higgs boson couplings to weak bosons at the ATLAS experiment (15'+5')**

*Wednesday, 29 November 2023 17:00 (15 minutes)*

While the Standard Model predicts that the Higgs boson is a CP-even scalar, CP-odd contributions to the Higgs boson interactions with vector bosons are presently not strongly constrained. A variety of Higgs boson production processes and decays can be used to study the CP nature of the Higgs boson interactions with vector bosons. This talk presents the most recent CP measurements of such analyses by the ATLAS experiment, based on pp collision data collected at 13 TeV.

### **You are**

non-PhD student

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**Session Classification:** Parallel: Precision & Yukawas

**Track Classification:** Precision & Yukawas