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Introductory course Higgs

Monday 5 February 2024 09:00 (1h 15m)

The Higgs boson was discovered in 2012 as the last missing piece of the Standard Model of Particle Physics. It is often seen as a key particle in our search for the origins of dark matter and the matter-antimatter asymmetry. In these lecture, I will cover basic Higgs theory, the discovery of the Higgs boson, and our state-of-the-art knowledge of the Higgs boson properties, as well as possible connections to physics beyond the Standard Model.

Presenter: HEIM, Sarah (ATLAS (ATLAS Dark Matter with Higgs))