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Type: **Invited Speaker / Conférencier invité**

Higgs boson physics with the ATLAS experiment at the LHC

Tuesday, 30 May 2017 08:00 (30 minutes)

An overview of recent results in Higgs boson physics obtained with the ATLAS experiment at the Large Hadron Collider located at CERN, Geneva will be presented. It will consist of the description of key measurements about the properties of the recently discovered Higgs boson and of its consistency within the Standard Model of particle physics. The emphasis will be on the analyses performed with the collision data sample recorded by the ATLAS experiment at the centre-of-mass energy of 13 TeV. The Higgs physics prospects at the high-luminosity LHC will also be discussed.

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Session Classification: T1-3 Energy Frontier: Standard Model, Top and Higgs (PPD) | Frontière d'énergie: modèle standard, quark top et Higgs (PPD)

Track Classification: Particle Physics / Physique des particules (PPD)