Contribution ID: **185** Type: **Working Group Sessions**

ATLAS Higgs physics prospects at the high luminosity LHC

Wednesday, 21 June 2017 15:00 (30 minutes)

The Higgs physics prospects at the high-luminosity LHC are presented,
assuming an energy of sqrt(s) = 14 TeV and a data sample of 3000-4000 fb-1.
In particular, the ultimate precision attainable on the couplings measurements of the 125 GeV Higgs boson with SM fermions and bosons is discussed, as well as perspectives on the search for the Standard Model di-Higgs production, which could lead to the measurement of the Higgs boson self-coupling.

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Session Classification: Working Group: Electroweak Interactions

Track Classification: Electroweak Interactions Working Group