



ID de Contribution: 18

Type: **Ordinary**

## LHC: Standard and Hidden Scalar Bosons

*mercredi 7 mars 2012 17:00 (15 minutes)*

The scalar Higgs boson is the final missing piece of the Standard Model and crucial to understand electro-weak symmetry breaking. After its discovery, the next step will be to determine its properties, in particular also its couplings, as precisely as possible.

In this talk, we will discuss the prospects of measuring these couplings at the LHC. Thereby, we can test their agreement with the Standard Model prediction, or look for possible modifications in models of new physics and quantify deviations.

**Auteur principal:** Dr RAUCH, Michael (Univ. Karlsruhe, KIT)

**Orateur:** Dr RAUCH, Michael (Univ. Karlsruhe, KIT)

**Classification de Session:** EWSB (SM and beyond). Precision tests

**Classification de thématique:** Theory