



ID de Contribution: 4

Type: **Ordinary**

Maximal deviations of the scalar boson couplings if no further particle is seen

mercredi 6 mars 2013 17:00 (15 minutes)

In the light of the discovery of a Higgs boson like particle and no evidence of particles beyond the Standard Model the question arises: How much can the coupling of the Higgs boson to other particles deviate from the Standard Model Higgs couplings if no further particles will be discovered at the LHC and how precise have Higgs coupling measurements to be to capture these deviations? In the context of three different models (a model with a singlet Higgs boson mixed-in, a composite Higgs boson model and the Minimal Supersymmetric Standard Model) these questions will be answered in the talk.

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Classification de Session: The SM Scalar boson

Classification de thématique: Theory