

# Study of Higgs self-coupling at the ILC

*Wednesday, 25 April 2012 10:30 (25 minutes)*

In SM, Higgs self-coupling is responsible for the EWSB and mass generation. It is almost impossible to measure it at LHC for a light Higgs. It's a crucial task to make the Higgs self-coupling measurement be possible at the ILC 500. In this talk, we will present the latest study based on the full detector simulation.

**Presenter:** SUEHARA, Taikan (ICEPP, The University of Tokyo)

**Session Classification:** ACFA Physics