



Contribution ID : 266

Type : **Oral presentation**

Searches for MSSM and NMSSM Higgs bosons with the CMS detector

Friday, 4 July 2014 11:45 (15)

Several searches for Higgs bosons have been carried out with the CMS detector at LHC. The analyses are based on pp collision data collected at centre-of-mass energies of 7 and 8 TeV, corresponding to integrated luminosities of 5/fb and 20/fb, respectively. Some of them can be interpreted in the framework of the MSSM and NMSSM Supersymmetric models. Given that no evidence of Higgs bosons, in addition to the discovered SM-like 126 GeV Higgs boson, has been found, exclusion limits have been derived.

Summary

Primary author(s) : MEYER, Arnd (RWTH Aachen University)

Presenter(s) : Dr. VEELKEN, Christian (LLR/Ecole Polytechnique)

Session Classification : BEH Physics

Track Classification : Brout-Englert-Higgs physics