



Contribution ID : 967

Type : **Oral presentation**

Search for Higgs bosons decaying to leptons with the CMS detector

Friday, 4 July 2014 10:00 (20)

A search for the SM Higgs boson has been carried out in the Higgs to tautau and mumu channels with the CMS detector at the LHC collider. In addition, a search for lepton-flavor-violating decays is reported. 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. For the SM Higgs boson search in the tautau channel, the analysis strategy and resulting evidence for this decay are summarized.

Summary

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

Presenter(s) : Dr. STEGGEMANN, Jan (CERN)

Session Classification : BEH Physics

Track Classification : Brout-Englert-Higgs physics