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Measurements of Higgs boson production and properties in the WW decay channel with both W 's decaying into electrons or muons plus neutrino using the CMS detector

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A search for the Higgs boson has been carried out in the Higgs to WW decay mode with the CMS detector at the LHC collider, where each W decays into an electron or photon and a neutrino. The analysis is 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. The analysis strategy and measurements of the mass, coupling, and spin-parity are reported.

Summary

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

Presenter(s) : GOVONI, Pietro (Milano-Bicocca INFN and University)

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