



Contribution ID: 95

Type: **Presentazione 20 minuti**

Ricerca di Higgs a CMS

Thursday, 12 April 2012 14:55 (20 minutes)

The methods and results of the searches for the Standard Model scalar boson predicted by the Higgs mechanism will be described. The analysis is based on 5 fb⁻¹ of proton-proton collision data collected with the CMS detector at LHC at 7 TeV centre-of-mass energy in 2011. The results of these searches exclude at 95% CL a large Higgs boson mass range. At low mass, between approximately the limit set by LEP experiments, 115 GeV and about 130 GeV, we observe some excess in the data that will be described.

Primary author: DI MARCO, Emanuele (Caltech)

Presenter: DI MARCO, Emanuele (Caltech)

Session Classification: Modello Standard e oltre

Track Classification: Fisica del Modello Standard e oltre