



Contribution ID: 95

Type: **Parallel Talk**

Search for the SM Higgs in the $h \rightarrow \gamma\gamma$ and $h \rightarrow ZZ \rightarrow 4\ell$ decay channels at CMS

Friday 8 June 2012 15:10 (20 minutes)

Results are presented on the search for the Standard Model Higgs decaying into two photons or into two Z bosons, with each Z boson decaying into a pair of charged leptons. The full data sample of 4.7/fb of pp collisions collected in 2011 with the CMS experiment at the LHC have been analysed. The search results are translated into 95% exclusion limits for the Higgs boson, as function of the Higgs mass.

Funding Source

Science and Technology Funding Council

E-mail Address

nckw@cern.ch

Collaboration Name
Please enter the name of the collaboration or group using the acronym, as in: ABC Collaboration

CMS Collaboration

Author: WARDLE, Nicholas (Imperial College Sci., Tech. & Med. (GB))

Presenter: WARDLE, Nicholas (Imperial College Sci., Tech. & Med. (GB))

Session Classification: 5C: (Parallel) Higgs I

Track Classification: Higgs Boson