



Call for 2014 DESY-ONACPR Fellowship Applicants

Research Laboratory: DESY

Division/Group: CMS

Supervising scientist: Dr. Rainer Mankel **Email/Phone:** +40-40-89982339,
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Research Field: Particle Physics, Large Hadron Collider

Position: Postdoctoral Research in CMS Higgs → bb Analysis

Research Area:

The spectacular recent discovery of a Higgs boson, which triggered the Nobel prize award for Higgs and Englert, raises the question of the precise structure of the Higgs sector, and points to an exciting window for New Physics. The CMS Higgs group at DESY is one of the initiators and strongly involved in searches beyond the Standard Model for Higgs decays into b quarks. This channel is generally characterized by a large branching ratio with which high statistics can be achieved, and represents a very powerful probe for extended Higgs sectors, as predicted in the MSSM and NMSSM supersymmetric theories. The upcoming LHC run at 13 TeV represents a unique opportunity to search for such decays both at very low and very high masses, and will lead to the world-best sensitivity for such channels.

Specific Requirements:

Ph.D. in physics. Experience in High Energy Physics analysis techniques. C++ programming.

For more information please visit:
<http://cms.desy.de>

Work Place: Hamburg

Earliest Start: November 2014

Language Requirement: please note that we require for all candidates proven records of English, e.g. CAE certificate or other certificate with the same level.

Application Code: DESY/2014/16

Further Remarks: