Call for 2015 DESY-ONACPR Fellowship Applicants

Code: DESY/2015/10
Research Laboratory: DESY
Division/Group: FH / CMS
Supervising scientist: Andreas Mussgiller (andreas.mussgiller@desy.de, +49 40 8998 3983)
Research Field: Particle Physics, Large Hadron Collider
Position: Postdoctoral Research in CMS, Phase 2 Tracker Upgrade
Application: http://res.chinapostdoctor.org.cn/BshWeb/info.shtml?id=1db9f068-8a23-4cc2-80ab-3a470a7853bc

Research Area:

For the high-luminosity era of the LHC, the CMS experiment will replace its tracking detector by a completely new system. The new CMS tracker will have higher granularity and improved position resolution. In addition, the novel detector modules will provide information to the level-1 trigger of the experiment.

The DESY CMS group is involved in the design of the future detector modules and plays a lead role in the development of the support structures for the tracker end caps.

In the coming phase of the R&D we seek to produce prototypes of the pixelated module and prepare for mass production.

Specific Requirements:

- PhD in physics
- Experience in detector development
- Experience in operating laboratory equipment

Work Place: Hamburg
Earliest Start: December 2015
Language Requirement: fluent in English
Further Remarks: The DESY ATLAS and CMS groups take lead roles in the research and development towards tracking detectors for the HL-LHC. The DESY particle physics division hosts a number of labs with the required infrastructure to carry out the necessary R&D. The activities are complemented by a strong team of engineers and technicians, as well as dedicated workshops.