



Call for 2014 DESY-ONACPR Fellowship Applicants

Research Laboratory: DESY

Division/Group: FLC

Supervising scientist: Dr. Felix Sefkow
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Research Field: Detector development for high energy physics

Position: Postdoctoral Research on calorimetry with silicon photo-multipliers

Research Area:

The FLC group is leading the development of scintillator-based calorimeters with read out by novel Silicon photomultipliers for a future linear collider. The activities range from the development of new, integrated “smart” sensor concepts to test-beam campaigns at DESY and CERN for the operation of large calorimeter system and the analysis of hadron shower data. The group is also active in optimising the detector for Higgs physics at a future machine, where particle flow techniques are used for the reconstruction of jets. The efforts take place in the collaboration with German and international partner institutes.

For more information please visit:
<http://www-flc.desy.de/flc/>

Specific Requirements:

The post-doc is expected to play an active role in both hardware and software activities and to participate in the supervision of PhD students. Some experience with complex software environments of particle physics experiments would be helpful, as well as basic laboratory skills in electronics. Good communication – in English – is essential for integrating in the local team with engineers and students, and for coordinating with partners, as well as for the outside representation at meetings and workshops. The project involves international travel activities to test beam sites and conferences.

Work Place: Hamburg

Earliest Start: November 2014 or later

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. Some knowledge of German helps, but is not obligatory.

Further Remarks:

Application Code: DESY/2014/12