

## PhD and post-doc positions at DESY and University of Hamburg

DESY has a long experience in operating large scale multi-channel calorimeters based on SiPM readout technologies. In the framework of the detector laboratory of DESY and the University of Hamburg new positions are available for PhD students and post-docs to work on the frontier technology of SiPM basic R&D and SiPM applications.

The current activities of the SiPM detector laboratory cover:

Basic SiPM characterization (to be extended to studies of radiation hardness, and optimization for the operation in radiation hard environments),

- Investigation of SiPM properties for various applications in combination with organic and inorganic scintillators, including systems for Cherenkov light readout,
- Application of SiPM in calorimetry. Large scale prototype for the future linear collider detectors with special attention to the integration of readout electronics (<http://www-flc.desy.de/hcal/>),
- Application of SiPM in medical physics. A European funded project for the development of an endoscopic PET detector (<http://www-flc.desy.de/pet/>).

The applicants profile requires:

- Master or diploma in Physics
- The applicants for the fellowship should refer to the procedure for the DESY fellowship program
- The applicants should have at least one of the following required skills:
  - Experience in development or operation of detector system
  - Solid knowledge in data acquisition systems and readout electronics
  - Good C++ programming skills

The interested candidates are encouraged to contact:

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