



Faculty/Department: Mathematics, Informatics and Natural Sciences/ Physics

Seminar/Institute: Institute for Experimental Physics

Universität Hamburg invites applications for a Research Associate on

Radiation Hard Silicon Photomultipliers – PHD student position

in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) as part of the BMBF funded project: R&D für Scintillatorbasierte Detektoren (AHCAL). The position commences as soon as possible. It is remunerated at the salary level TV-L 13. The position is half-time and comprises 19.5 hours per week.

The contract duration is initially fixed to two years, but can be subject to extension if funds are available. The fixed-term nature of this contract is based upon Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG).

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Responsibilities:

Duties include academic services in the project named above. Doctoral students can acquire teaching experience during their contract

Specific Duties:

Our group has a long-standing record in excellent scientific development related to fundamental understanding and applications of silicon photomultiplier detectors (SiPMs). The selected candidate will drive the investigation of highly irradiated SiPMs with the aim to develop a radiation hard design for future applications in detectors for the LHC phase II upgrade. The research work will include the development of new experimental methods to characterize irradiated SiPMs.

Requirements:

Applicants are required to hold a master degree in physics and to have good records in the field of experimental physics. A strong competence in laboratory measurements is expected. Candidates should have experience with read-out electronics and analysis of detector data. Prior experience in SiPM characterization is an advantage.



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Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

For further information, please contact Prof. Erika Garutti (erika.garutti@uni-hamburg.de).

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 25. July 2018. Later applications are accepted until the position is filled. Please send applications to: Ms Gundula Serbser, gundula.serbser@desy.de