The Physics Institute of the University of Freiburg/Germany has an opening for a

**Postdoctoral Position on the Development of Semiconductor Detectors**

with an E13 salary level according to the TV-L pay scale. The successful applicant is expected to work in the field of CdTe detectors for radiation monitoring applications. The work is to be performed in the framework of the approved EU project REWARD, centering on the development of a real-time radiation surveillance system. Extensive experience with CdTe sensors for a range of applications in medical and environmental physics already exists in Freiburg, upon which the successful applicant will be able to build.

The work for the REWARD project will be carried out in close co-operation with industrial partners in Spain, Germany and Italy. The range of activities to be covered by the applicant includes:

- Testing and calibration of CdTe radiation detectors for Gamma-Rays
- Simulation of sensitive, large volume radiation detectors for Gamma-Rays
- Programming of user interface for MCA electronics.

Applicants should hold a doctoral degree in experimental physics, material science or a related field. They should ideally already have some experience in the field of semiconductor detectors and should be fluent in English and/or German.

The post is available from February 2012. The initial contract duration is two years, with the possibility of an extension. Applications, including a CV and the names of two academic referees, should be sent to arrive before 20. December 2011 to: Dr. Ulrich Parzefall, Universität Freiburg, Physikalisches Institut, Hermann-Herder-Str. 3, 79104 Freiburg or via email to ulrich.parzefall@physik.uni-freiburg.de.

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