



At the **Institute for Experimental Nuclear Physics, Karlsruhe Institute of Technology,**  
**a Ph.D. position**  
in the field of  
**high energy astroparticle physics**

is to be filled as soon as possible. The contract will be for three years with a salary according to 50% TV-L E13.

The position will be dedicated to the **modelling of radio emission from cosmic ray air showers**. It will be set in the framework of the *Helmholtz-University Young Investigators Group* dedicated to large scale radio detection of cosmic ray air showers at the Pierre Auger Observatory in Argentina. Further context is given by the LOPES experiment at KIT and additional experiments which benefit from the group's modelling expertise. The group has many years of experience in radio emission modelling, as is evident in particular in the development of the well-established **REAS Monte Carlo simulation code**.

Applicants must hold a qualifying degree in physics at the time of recruitment. Experience in a modern programming language, in particular C++, would be highly welcome.

Further information about the research field and the *Helmholtz-University Young Investigators Group* is available at <http://www-ik.fzk.de/~huege> or from Dr. Tim Huege, Tel. +49-721-608-26938.

KIT pursues a gender equality policy. Women are therefore particularly encouraged to apply. If qualified, handicapped applicants will be preferred.

Applications should include a curriculum vitae, a list of publications, applicable certificates and the names and addresses of two referees. Full consideration will be given to applications arriving before the **29<sup>th</sup> of February, 2012**. Applications arriving after the given deadline will be considered until the position is filled.

If possible, the application should be sent as a single email attachment in Adobe Acrobat Portable Document Format to [tim.huege@kit.edu](mailto:tim.huege@kit.edu) or by mail to:

**Dr. Tim Huege**  
**Karlsruher Institut für Technologie**  
**Institut für Kernphysik**  
**Postfach 3640**  
**76021 Karlsruhe**  
**Germany**

**Email: [tim.huege@kit.edu](mailto:tim.huege@kit.edu)**