



Universität Karlsruhe (TH)
Research University · founded 1825



At the **Institute for Experimental Nuclear Physics (IEKP) / Universität Karlsruhe (TH)**,

two Ph.D. positions

in the field of

high energy astroparticle physics

are to be filled as soon as possible. The contracts will be for three years with a salary according to 50% TV-L, E13, each.

The positions will be set in the framework of the newly founded ***Helmholtz-University Young Investigators Group*** dedicated to the establishment of large scale radio detection of cosmic ray air showers within the Pierre Auger Observatory. Applicants must hold a qualifying degree in physics at the time of recruitment.

The *first position* will be focused on experimental design aspects of large scale cosmic ray radio detection as well as the development of the associated analysis techniques. Experience in experimental work, in particular detector development, and a modern programming language would be highly welcome.

The *second position* will be dedicated to the modelling of radio emission from cosmic ray air showers and the comparison with experimental data. Experience in a modern programming language and solid knowledge of electrodynamics 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 by telephone from +49-7247-82-6938.

In line with the university's policy of equal opportunities, applications from qualified women are particularly encouraged. Handicapped applicants will be preferred in case of the same qualification.

Applications should be submitted until **February 15, 2008** and include a curriculum vitae, a list of publications, applicable certificates and the names and addresses of two referees.

If possible, the application should be sent as a single email attachment in Adobe Acrobat Portable Document Format to tim.huege@ik.fzk.de or by mail to:

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