

The **Karlsruhe Institute of Technology** invites applications for a

Postdoctoral Researcher
in the field of
Dark Matter search

The position is embedded in the Institute for Experimental Nuclear Physics (Chair J. Blümer). The Dark Matter research group (Head K. Eitel) belongs to the KIT Center *Elementary Particle and Astroparticle Physics* (KCETA), which is described at <http://www.kceta.kit.edu/>.

We are strongly involved in the EDELWEISS Dark Matter experiment (electronics and DAQ, data analysis and background modelling). In parallel, KIT is a major partner in the large-scale EURECA project, combining cryogenic detector technologies from CRESST and EDELWEISS. The applicant is expected to take a major role in the design and construction of a joint detector tower with its thermal shields, cabling, front-end electronics and detector mounting structures. Such a tower will ensure compatibility with the planned Super-CDMS cryogenic facility at SNOLAB. She/He should also actively contribute to the development of the electronic readout of the various detector sensors.

Applicants must hold a qualifying degree in physics at the time of recruitment. Experience in particle or astroparticle physics is mandatory. Special knowledge in cryogenics and/or techniques in rare event search technologies are advantageous. Further information is available at <http://www.ikp.kit.edu/edelweiss/> or from Dr. Klaus Eitel, klaus.eitel@kit.edu, Tel. +49-721-608-23701.

This full-time position in the framework of a BMBF-funded project within the “Verbundforschung Astroteilchenphysik” is for a fixed term of 2 years, potentially renewable, and is to be filled as soon as possible. The salary is based on the German public service salary scale (TV-L). 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 email addresses of two referees. Full consideration will be given to applications arriving before **September 30, 2014**. Applications arriving after the given deadline will be considered until the position is filled.

The complete application must be sent as a single email attachment in Adobe Acrobat Portable Document Format to klaus.eitel@kit.edu.