

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. In 2013, EDELWEISS starts its 3rd phase with the installation and commissioning of 40 novel "FID800" detectors within an upgraded cryogenic environment. Long-term Dark Matter runs are envisaged for 2013 to 2015 acquiring up to 10,000 kg.days of fiducial exposure.

The applicant is expected to take a major role in the data analysis of EDELWEISS. She/He should also actively contribute to the development of readout strategies and analysis tools for future large-scale cryogenic experiments such as EURECA.

Applicants must hold a qualifying degree in physics at the time of recruitment. Experience in particle or astroparticle physics as well as in modern programming languages, in particular C++, is mandatory. 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.

The position is for a fixed term of 3 years, potentially renewable, and is to be filled as soon as possible. This is a full-time position, which encompasses graduate and undergraduate teaching in the University domain of KIT. 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 **March 31, 2013**. 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.