



The [Institute for Nuclear Physics \(IKP\)](#) at the Karlsruhe Institute of Technology (KIT) invites applications for a

Postdoctoral Position in Direct Dark Matter search

starting April 1, 2019.

[Karlsruhe Institute of Technology \(KIT\)](#) is a public corporation pursuing the tasks of a State University of Baden-Wuerttemberg and of a national research centre of the Helmholtz Association. KIT is committed to research, higher education, and innovation. With about 9,400 employees and 24,500 students, KIT is one of the big institutions of research and higher education in natural sciences and engineering in Europe.

IKP has a long tradition of direct DM search with cryogenic Ge detectors, and recently also joined the DARWIN collaboration. DARWIN is a future 50t liquid Xenon Dark Matter direct search experiment. We contribute to the development of the TPC design and tests of hardware components for DARWIN such as the TPC field wires and HV supply, and like to extend our efforts in the direction of detector simulation and the development of the data acquisition system. The successful candidate is expected to contribute to our DARWIN software and hardware efforts in close cooperation with other DARWIN groups as well as to contribute to R&D efforts in new fields of direct DM search.

The IKP DM group is part of the KIT Center Elementary Particle and Astroparticle Physics ([KCETA](#)) with theoretical as well as experimental research groups involved in e.g. Auger, IceCube, KATRIN, CMS, Belle/Belle II.

Applicants must have a PhD in experimental (astro-)particle physics or in a related field with relevant experience. A background in software development is desired. KIT and IKP are committed to increase diversity and to provide equal career opportunities to minorities. Applications by women as well as by all others who would bring additional diversity dimensions to IKP are therefore particularly encouraged. Preference will be given to disabled candidates with essentially the same qualifications.

The salary corresponds to the E-13 level of the wage agreement of the German civil service (TV-L). The position is offered for two years, with possibility of extension.

The application deadline is February 15, 2019. Later applications may be considered as long as the opening exists. To ensure full consideration you should

- 1) send your application including a list of publications, curriculum vitae and short research statement as a single pdf file to klaus.eitel@kit.edu,
- 2) arrange for two letters of reference to be e-mailed separately to the same address.

Contact: klaus.eitel@kit.edu