

**Karlsruhe Institute of Technology (KIT)** – The Research University in the Helmholtz Association – creates and imparts knowledge for the society and the environment. It is our goal to make significant contributions to mastering the global challenges of humankind in the fields of energy, mobility, and information. For this, about 9,300 employees of KIT cooperate in a broad range of disciplines in research, academic education, and innovation.

The KIT Department of Physics, part of Division V – Physics and Mathematics, invites applications for a **Professorship (W3) in Experimental Particle Physics at the Institute of Experimental Particle Physics (ETP)**.

We are looking for an outstanding scientist with a research focus on experimental particle physics, in particular in the areas of precision measurements and searches for physics beyond the Standard Model, and on algorithm development and detector technologies. The successful candidate is expected to strengthen and expand the KIT activities at the Belle II experiment. We welcome your participation in the preparation of future collider experiments.

KIT provides an excellent environment for research in particle and astroparticle physics. ETP has long-term involvements in the large-scale projects CMS and Belle II. The infrastructure at ETP includes a semiconductor laboratory, workshops and computer clusters. Close ties exist with the Tier-1 computing centre GridKa. Research at ETP is mainly funded by the BMBF, the DFG and the Helmholtz Association.

ETP is part of the KIT Centre Elementary Particle and Astroparticle Physics (KCETA) and is involved in further large-scale projects such as the Pierre Auger Observatory, IceCube, KATRIN and XENON. Close collaborations exist with strong theory groups working on particle and astroparticle phenomenology. The Karlsruhe School of Elementary Particle and Astroparticle Physics: Science and Technology (KSETA) provides access to an excellent pool of Ph.D. students.

The appointed professor will be part of the ETP board of directors and assume responsibilities in the academic self-administration. The candidate is required to teach at all levels of the undergraduate and graduate curriculum (eventually in German) and to supervise bachelor, master and Ph.D. students. A Habilitation degree or equivalent scientific and teaching qualifications are required.

KIT is pursuing the strategic goal of substantially increasing gender balance and diversity of its faculty. As an equal opportunity employer, KIT explicitly encourages applications from women as well as from all others who will bring additional diversity to the university's research and teaching. KIT provides support for dual career couples and families. Applicants with disabilities will be preferentially considered if suitably qualified. The terms of employment are listed in § 47 Landeshochschulgesetz (LHG) of the State of Baden-Württemberg.

Qualified candidates should submit before **15.06.2020** a curriculum vitae, list of publications, as well as research and teaching statements to: Dekanat der KIT-Fakultät für Physik, Karlsruher Institut für Technologie (KIT), 76128 Karlsruhe, Germany, preferably as a single pdf document by email to [dekanat@physik.kit.edu](mailto:dekanat@physik.kit.edu). For further information about this position please contact Prof. Dr. Thomas Müller, email: [thomas.muller@kit.edu](mailto:thomas.muller@kit.edu), or Prof. Dr. Margarete Mühlleitner, email: [margarete.muehlleitner@kit.edu](mailto:margarete.muehlleitner@kit.edu).