

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.

In Division V – Physics and Mathematics, the KIT Department of Physics, invites applications for a

Professorship (W3) in Experimental Particle Physics

at the Institute of Experimental Particle Physics (ETP) (successor of Prof. Dr. Thomas Müller).

We are looking for an outstanding scientist working in the area of experimental particle physics. We are particularly interested in a scientist who pursues precision measurements and searches for physics beyond the Standard Model at high-energy particle accelerators and initiates new research directions at future international large-scale facilities. The successful applicant is expected to play an active role in coordinated research efforts at KIT.

KIT provides an excellent environment for research in particle and astroparticle physics. The successful candidate will be part of a team of senior scientists who maintain and develop the research in particle physics at KIT. ETP has long-term involvements in the large-scale projects CMS and Belle II. Your participation in, or support of, the evolution of these projects is expected. The infrastructure at ETP currently includes a semiconductor laboratory, workshops and computer clusters. Close ties exist with the Tier-1 computing centre GridKa. Research at ETP is funded by the BMBF, the DFG and the Helmholtz Association.

ETP is part of the KIT Centre Elementary Particle and Astroparticle Physics (KCETA, see www.kceta.kit.edu for further information). The rich research environment in KCETA includes further large-scale projects such as the Pierre Auger Observatory in Argentina, the IceCube experiment at the South Pole and the KATRIN experiment at KIT. Close collaborations exist with strong theoretical physics groups working on (astro)particle 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 **30 September 2019** 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 by email to dekanat@physik.kit.edu. For further information about this position please contact Prof. Dr. Margarete Mühllleitner, email: margarete.muehllleitner@kit.edu, or Prof. Dr. Günter Quast, email: guenter.quast@kit.edu.