

The Institute for Theoretical Particle Physics (TTP) invites applications for several

Postdoctoral Positions in Theoretical Particle Physics (f/m/d)

starting October 1, 2022 or earlier.

TTP consists of three faculty members (K. Melnikov, U. Nierste and M. Steinhauser), one permanent scientific staff member (M. Blanke), 15 postdoctoral fellows and several graduate students. Current interests of the members of the Institute include hadron and lepton collider physics, Higgs boson physics, perturbative QCD, flavor physics, weak interactions, top quark physics, physics beyond the Standard Model and development and application of advanced computational methods in perturbative Quantum Field Theory.

TTP participates in the Collaborative Research Center “Particle Physics Phenomenology after the Higgs Discovery”, which provides an umbrella grant for research in theoretical particle physics at the Karlsruhe Institute of Technology, RWTH Aachen, the University of Siegen and the University of Heidelberg. TTP is further part of the KIT Center for Elementary Particle and Astroparticle Physics (KCETA) (and the associated doctoral school KSETA) that also comprises the Institute for Theoretical Physics whose members are involved in research in collider physics and quantum field theory and the Institute for Experimental Particle Physics whose members participate in the CMS experiment at CERN and the Belle II experiment at KEK. Several groups at KIT are involved in astroparticle physics research. Further information about particle physics in Karlsruhe can be found at www.ttp.kit.edu and www.kceta.kit.edu.

A successful applicant will have a Ph.D. in theoretical particle physics and experience with some of the research topics listed above. We aim to increase the diversity at our institute and therefore particularly encourage women to apply. As a certified family-friendly university (familienfreundliche Hochschule), KIT offers part-time employment, leaves for family-related reasons, dual career options, and individual coaching for family-work balance. In case of suitable qualification, preference will be given to applicants with disabilities.

The salary corresponds to the E-13 level of the wage agreement of the German civil service (TV-L). The position is initially offered for two years and can be extended for one more year subject to a satisfactory performance and availability of funds.

The deadline for the applications is December 5, 2021. Later applications will be considered as long as openings exist. To ensure full consideration send your application including a list of publications, curriculum vitae and short research statement as a single pdf file to martina.schorn@kit.edu. Three letters of reference should be e-mailed separately to the same address.