

The Johannes Gutenberg-Universität Mainz (Germany) has an opening for one

**Postdoctoral Research Fellow (Physicist)**  
(TV-L EG 13)

in the ETAP (Experimentelle Teilchen- und Astroteilchen Physik) research group at the Institute of Physics with a limited duration of initially two years. ETAP is a cornerstone of the federal excellence cluster PRISMA+, bringing together world leading experts from various fields in the context of fundamental physics on campus. The ETAP group shares major responsibility for the construction, operation and upgrade of the ATLAS experiment at the LHC. In addition, the ETAP group is strongly involved also in other experiments such as IceCube (for the observation of high-energy neutrinos from astrophysical sources), Xenon (for the direct detection of dark matter) and NA62 (for the study of rare kaon decays). Since 2012, the ETAP group is also engaged in the search for Axion-Like-Particles (ALPs). ALPs are hypothetical ultralight and very weakly interacting particles, which are an excellent candidate for the dark matter in the Universe but also could explain several astrophysical observations.

The fellow is expected to contribute to the **ATLAS** and the **FASER Experiment** at the LHC in the context of the ERC funded research project **Search for Axion-Like Particles at the LHC**. Applicants are required to have a Ph.D. (or an equivalent degree) in physics and should have an in-depth research experience in high-energy experimental particle physics, in particular data analysis at a running LHC experiment. While the fellow will be based in Mainz, the willingness to travel for short- or medium-term stays at CERN is expected.

The Johannes Gutenberg-Universität Mainz aims at increasing the percentage of women in academic positions and strongly encourages women scientists to apply. The university is an equal opportunity employer and particularly welcomes applications from persons with disabilities. German language skills are not necessarily required, however, a very good understanding of English.

Qualified candidates are requested to submit their application until the 1<sup>st</sup> of July, including a curriculum vitae, a brief description of their research experience, and interests and two letters of recommendation, to Prof. Dr. Matthias Schott, Institut für Physik, 55099 Mainz, Germany (or via e-mail to [schottm@uni-mainz.de](mailto:schottm@uni-mainz.de)), at the earliest possible date.

**Contacts:**

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