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

PhD Student Position

in the ETAP (Experimentelle Teilchen- und Astroteilchen Physik) research group at the Institute of physics. 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 PhD student is expected to contribute to 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 hold an academic master-degree in physics. Experience in particle physics detector design and construction is desirable. Parts of the research work will be conducted at CERN, hence the successful candidate will be expected to move to Geneva, Switzerland, for a significant fraction.

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.

Qualified candidates are requested to submit their application until the 15th of March, including a curriculum vitae, a brief description of their research experience and interests and one letter of recommendation, to Prof. Dr. Matthias Schott, Institut für Physik, 55099 Mainz, Germany (or via e-mail to schottm@uni-mainz.de), at the earliest possible date.

Contacts:
Prof. Dr. Matthias Schott (schottm@uni-mainz.de)