Cluster of Excellence PRISMA Precision Physics, Fundamental Interactions and Structure of Matter

JOHANNES GUTENBERG UNIVERSITÄT MAINZ

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

Postdoctoral Research Associate (Physicist)

(TV-L EG 13)

in the ATLAS group, to be filled immediately.

The Mainz ATLAS group shares major responsibility for the construction, operation and upgrade of the L1 trigger system and is involved in the liquid Argon calorimetry of ATLAS as well as the upgrade of the ATLAS muon system. Physics analysis activities include Standard Model Physics, a broad range of searches for new physics (including signature based searches and Supersymmetry), Higgs Boson Physics, as well as Top Quark Physics. The ATLAS group is part of the Cluster of Excellence PRISMA "Precision Physics, Fundamental Interactions and Structure of Matter", which focuses on key questions concerning the fundamental constituents of matter and their implications for the physics of the Universe.

The successful candidate is expected to play a leading role in signature-based searches for new physics and/or Standard Model measurements with ATLAS, together with PhD and Master students. Contributions to the trigger operation or the trigger upgrade are possible, as well as an involvement in teaching.

Applicants are required to have a PhD (or an equivalent degree) in physics and should have in-depth research experience in high-energy experimental particle physics. A strong background in data analysis is desirable, preferably complemented with prior experience with computing, detector operation or digital electronics.

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.

The appointment will be initially for a period of two years, with the possibility of an extension. The payment is defined by the German TV-L system and will be on the E13 salary level. Qualified candidates are requested to submit their application, including a curriculum vitae, a brief description of their research experience and interests and a list of publications, to Prof. Stefan Tapprogge, Institut für Physik, 55099 Mainz, Germany (preferably by e-mail to tapprogg@uni-mainz.de), at the earliest possible date, but latest by **August 31st, 2017**. They should also arrange for at least two letters of recommendation to be send to the same address.

Contact (for more information):

Prof. Dr. Stefan Tapprogge (tapprogg@uni-mainz.de)