

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

Postdoctoral Research Associates (Physicists)
(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 calorimeter trigger 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 applicants are expected to work in one of the two following areas

- a) Higgs Physics, including precision measurements of couplings and properties as well as rare processes
- b) Signature based searches for new physics and commissioning/optimization of the new first level topological trigger

and to contribute to the supervision of ATLAS PhD and Master students. Extended stays at CERN are possible.

Applicants are required to have a Ph.D. (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 or prior experience with digital electronics, computing as well as detector operation is desirable.

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. Qualified candidates are requested to submit their application, including a curriculum vitae, a brief description of their research experience and interests (indicating the preferred research area), a list of publications, and at least two letters of recommendation, to Prof. Volker Büscher and Prof. Stefan Tapprogge, Institut für Physik, 55099 Mainz, Germany (or via e-mail to buescher@uni-mainz.de and tapprogg@uni-mainz.de), at the earliest possible date, but latest by **April 10, 2014**.

Contacts:

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