

The Johannes Gutenberg-Universität Mainz (Germany) and the PRISMA Cluster of Excellence 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 calorimeter trigger and is involved in the liquid Argon calorimetry of ATLAS, the upgrade of the ATLAS muon spectrometer as well as the development of GPU-based tracking algorithms. Physics analysis activities include the physics of the Higgs Boson, precision measurements in Standard Model and Top Quark Physics, as well as a broad range of searches for new physics (including signature based searches and Supersymmetry). The successful applicant is expected to play a leading role in the **development and construction of the new ATLAS L1 Jet/MET Trigger Electronics**, to be installed in ATLAS by 2018.

The position is part of the new 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. It consists of experimental and theoretical research groups working together in the areas of astro-particle, high energy and hadron physics, nuclear chemistry, as well as precision physics with ultra-cold neutrons and ion traps.

Applicants are required to have a Ph.D. (or an equivalent degree) in physics and should have in-depth research experience in experimental particle physics. Prior experience with digital electronics, building and testing detector hardware, 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, a list of publications, and at least two letters of recommendation, to Prof. Volker Büscher, Institut für Physik, 55099 Mainz, Germany (or via e-mail to buescher@uni-mainz.de), at the earliest possible date, but latest by **July 24, 2013**.

Contacts:

Prof. Volker Büscher (buescher@uni-mainz.de)