

The PRISMA Cluster of Excellence (Research Area C: Structure of Matter) at Johannes Gutenberg University Mainz invited applicants for

### **Postdoc fellow in Experimental Nuclear and Hadron Physics**

Applicants are invited for a postdoctoral or research scientist position (TV-L EG 13) in the field of experimental nuclear and hadron physics at the Institute of Nuclear Physics. 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.

PRISMA 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. Additional information on PRISMA and in particular, its Research Area C, is available on the web-site [www.prisma.uni-mainz.de/area\\_C.php](http://www.prisma.uni-mainz.de/area_C.php).

The successful candidate should have experience in the field of particle detectors or digital electronics and will play a leading role in the development and design task within the experimental program at the MESA accelerator: Its intense, polarized low energy electron beam will be the basis for several precision tests of fundamental interactions, nuclear physics and astrophysical reaction measurements and precision nucleon structure. Examples for such experiments include precision measurements of the electroweak mixing angle at low energies, the search for hypothetical particles of the dark sector, and the measurement of neutron skin in medium-mass nuclei.

A PhD. or equivalent degree is required, preferably in nuclear physics or related fields. The appointment is initially for a period of one year with possible extension and is available immediately.

Johannes Gutenberg University 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.

Qualified candidates are requested to submit (as a single pdf file), preferably by email, a CV and a statement of research interests and relevant experience, and arrange for at least two letters of reference.

Applications will be considered immediately and should be submitted no later than **April 15, 2013**.

**Contact:**

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