

The PRISMA+ Cluster of Excellence at the Johannes Gutenberg-Universität Mainz (Germany) has openings for

**Postdoctoral Research Associates (Physicists)  
(TV-L EG 13)**

in the field of Nuclear Structure and Astrophysics with high intensity electron beams.

The PRISMA+ Cluster of Excellence – Precision Physics, Fundamental Interactions and Structure of Matter – is focussed on the key questions concerning the fundamental constituents of matter and their implications for the physics of the Universe. Within PRISMA+ a new electron accelerator, the Mainz Energy-Recovering Superconducting Accelerator (MESA). MESA, will allow for a world-class research program in low-energy precision physics. Based on an innovative accelerator design, this unique facility will provide extremely high beam currents and luminosities for precision measurements in low-energy hadron and nuclear physics.

The successful candidates are expected to play a leading role in the design optimisation, prototype development and construction of low thresholds, high granularity and detection efficiency silicon-detector array for the investigation at MESA of rare processes in nuclear structure and astrophysics.

Applicants are required to have a Ph.D. (or an equivalent degree) in physics and should have in-depth research experience in experimental nuclear physics. A strong background in detector design or construction as well as GEANT4-based simulation is desirable.

The Johannes Gutenberg-Universität Mainz aims at increasing the percentage of women in academic positions and strongly encourages female scientists to apply. The University is an equal opportunity employer and particularly welcomes applications from persons with disabilities.

The compatibility of family and career is a major concern for us at PRISMA+. The Cluster provides dual career support as well as a family-friendly working environment and assistance in finding a spot in the various day-care facilities on campus.

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, and a list of the most relevant publications to Prof. Dr. Concettina Sfienti, Institut of Nuclear Physics 55099, Mainz, Germany preferably via email to [sfienti@uni-mainz.de](mailto:sfienti@uni-mainz.de) and to arrange for at least two letters of recommendation to be sent directly to the same address.

Applications will be considered as they arrive and will be accepted until November 28, 2020.