The newly established Detector Laboratory of the PRISMA Cluster of Excellence at Mainz University (Faculty of Physics, Mathematics, and Computer Science) is welcoming applications for the following positions:

2 managing physicists (pay group TV-L E14, permanent positions) 
one for each of the divisions Electronics and Detectors.

The positions are 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 astroparticle, high energy and hadron physics, nuclear chemistry, as well as precision physics with ultra-cold neutrons and ion traps.

The main task of the PRISMA detector laboratory is to support experimental developments at the cluster via realizing detector hardware and electronics as well as by fostering the target-oriented and innovative research and development of new technologies. The Detector Laboratory comprises three focus areas: electronics, photon detectors and TPC as well as tracking detectors.

We are looking for versatile and creative personalities with a Ph.D. in physics (or equivalent competency) who show the technical and administrative skills to, together with the scientific management team, transform the detector laboratory into a center of detector and electronics development within PRISMA. This will involve the integration of existing networks among the respective institutes. Successful candidates are expected to lead research projects, instruct students, doctoral candidates and employees as well as to organize seminars, trainings and workshops. Furthermore, the positions require an adequate fulfillment of teaching responsibilities at the faculty.

Electronics Division: A present area of expertise at PRISMA lies in the area of fast digital and trigger electronics by means of FPGAs and optical data transmission at the
highest bandwidth. Suitable candidates show comprehensive, longstanding and internationally visible experience in detector electronics and thus offer a useful complement or extension to the existing expertise at PRISMA.

Detector Division: Suitable candidates show comprehensive, longstanding and internationally visible experience in researching, developing and constructing particle detectors. PRISMA specifically welcomes applications by candidates with cross-technological expertise who can foster the development of the two focus areas of photon as well as TPC and tracking detectors at the detector laboratory.

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

Please submit your written application including all relevant records and up to three central publications electronically at www.phmi.uni-mainz.de/stellen.php. Selection of candidates begins after November 30, 2013. For more information please contact Prof. Dr. U. Oberlack, Institute of Physics, prisma-detlab@uni-mainz.de.