

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

Postdoctoral Research Associate (Physicist)
(TV-L EG 13)

to work on R&D of a high-granularity calorimeter for an experiment at the FCC-ee, to be filled immediately.

The Mainz group has a long-standing experience in the design, construction, operation and readout of calorimeters in high energy physics, including in the NA62, SHiP and ATLAS experiments. As part of the CALICE and DRD Calo collaborations, the Mainz group has been engaging in the design and prototyping of a scintillator-based high-granularity hadronic calorimeter for the FCC-ee for more than a decade. The 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 applicant is expected to contribute to **R&D towards a high-granularity hadronic calorimeter for the FCC-ee in the areas of 3D-printing structured scintillators, layer design and prototyping, as well as simulation-based optimisation**. Mainz University with its Cluster of Excellence PRISMA++, on-campus accelerators and excellent infrastructure within the detector laboratory provides a vibrant and unique place for detector development and construction.

Applicants are required to have a Ph.D. (or an equivalent degree) in physics and should have research experience in experimental high energy particle physics. Experience in detector R&D, construction and operation, and GEANT4 simulation are highly welcome.

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, and a list of the most relevant publications to Prof. Dr. Volker Büscher, Institut für Physik, 55099 Mainz, Germany (or via email to buescher@uni-mainz.de) and to arrange for at least two letters of recommendation to be sent directly to the same address.

Applications will be accepted until **Sept. 18, 2026**.

Contacts:

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