Johannes Gutenberg University Mainz (JGU) is one of the largest universities in Germany. Thanks to its location in the Rhine-Main science region, the university can unfold to its full potential and showcase its innovative power and dynamism. Its status as a comprehensive university allows for multidisciplinary learning and teaching and has great potential for internationally renowned, interdisciplinary research. Almost all of its institutes are located on a single campus close to the Mainz city center – creating a lively academic culture for researchers, teaching staff, and students from every continent.

The Institute of **Nuclear Physics** at the Faculty of **Physics**, **Mathematics and Computer Science** invites applications for the position of

# University Professor of Experimental Hadron and Nuclear Physics

## beginning on 1 April 2024. Salary grade W 2 LBesG with tenure track | Civil servant with a fixed-term contract

The Cluster of Excellence PRISMA+ ("Precision Physics, Fundamental Interactions and Structure of Matter") deals with the central questions about the nature of the fundamental building blocks of matter and their significance for the physics of the universe. It consists of experimental and theoretical research groups working together in the fields of astroparticle, high-energy and hadron physics, nuclear physics and precision physics with ultracold neutrons and ion traps.

### Tasks and expectations:

The successful applicant, whose PhD should not be more than six years old, should already have developed international visibility in research in the field of particle, hadron or nuclear physics.

Scientific excellence will be demonstrated by an outstanding publication record commensurate with scientific age. They should play a central role in the Cluster of Excellence PRISMA+, especially in the planning and realization of experiments at the superconducting accelerator MESA, which is currently under construction. This will provide the basis for a diverse physics program to be conducted jointly with colleagues at site as well as with international partners. The program includes precision measurements in nuclear and hadron physics as well as the search for rare processes and particles beyond the Standard Model. The successful candidate will be expected teach courses in the field of experimental physics.

Applicants should have initial teaching experience and be willing to develop their pedagogical commitment and didactic knowledge.

Master's degree programs can also be conducted in English. Furthermore, experience in the supervision of young scientists and the willingness to support the outreach activities of the Cluster of Excellence are desired. An active involvement in academic self-administration is expected.

### **Requirements:**

- In addition to the general requirements according to public services law, applicants must meet the recruitment requirements stipulated in Section 49 and 55 of the *Hochschulgesetz* of Rhineland-Palatinate.
- In addition to the doctorate, proof of excellent academic achievements is required.

The state of Rhineland-Palatinate and JGU are committed to close personal mentoring of students and therefore expect teaching staff to have a strong presence at the university. A cooperative, team-oriented and proactive work attitude, strong communication skills, and the willingness to assume responsibility – including further professional development in accordance with JGU's leadership guidelines – is also expected.

The position is first filled for a period of six years. After this period, the position will be converted to a tenured professorship (W 2), provided the holder of the position meets the relevant regulations of higher education law (evaluation procedure) as well as the general requirements according to public services law. In the fourth year, the professor's performance level will be evaluated in order to provide orientation for the time remaining.

### What we have to offer:

JGU firmly supports making family and career compatible and promotes its employees' further professional development with an extensive human resources development offer.

JGU values the diversity of its professorial body.

JGU aims to increase the number of women in research and teaching and therefore encourages female researchers to apply.

Candidates with severe disabilities and appropriate qualifications will be given priority.

Please submit your application, including CV, references, diplomas and certificates, as well as publications, third-party funds, current and future research projects/ research proposals, previous teaching activity, teaching evaluations, teaching concept; by **April 1, 2023** electronically as one PDF file to the

Dean of the Faculty *08* Prof. Dr. Patrick Windpassinger E-Mail: <u>info@phmi.uni-mainz.de</u>

For questions and further information, please contact Prof. Dr. Achim Denig by phone/by e-mail: denig@uni-mainz.de.

Information on data protection: https://www.verwaltung.personal.uni-mainz.de/files/2021/05/210512\_Datenschutzerklaerung\_Allgemein\_en.pdf

