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In the Department of Physics of the Technical University of Darmstadt, Professor Dr. A. Obertelli's working group at the Institute of Nuclear Physics the permanent position of a

**Research Associate (Ph. D. ) – Full Time**

is offered to be filled at the earliest opportunity.

The Institute of Nuclear Physics currently comprises 15 working groups with about 280 people working in the fields of theoretical and experimental nuclear structure physics, nuclear astrophysics as well as laser and plasma physics. It is thus one of the largest of its kind in the world and enjoys a high international reputation.

The holder of the position will be expected to set up and then supervise a laboratory for the development and manufacture of detector systems and targets at the Institute and, in addition, to support the work in the field of research on radioactive nuclei and antiprotons carried out at GSI/FAIR, CERN and RIKEN in a decisive and leading manner. The activity also includes the scientific supervision of doctoral candidates and students during their final theses in the mentioned fields of work as well as the assumption of general organizational tasks in the area of the responsibilities of the working group.

In addition to a doctorate in the field of nuclear or particle physics with a grade of at least A the candidate must have worked as a postdoc for at least two years with outstanding scientific results. Experience with experiments on the physics of radioactive beams or on antiprotons is expected as well as profound knowledge and experience in the field of specification, development and commissioning of modern detector systems for nuclear and particle physics basic research, especially in the field of electronics and data acquisition as well as programming, especially in C++ . Knowledge and experience with different materials, e. g. semiconductors and gases, as well as in the fields of ion traps and vacuum technology are desirable. In addition, a high sense of responsibility as well as a pronounced ability for project coordination and teamwork are necessary. Knowledge and experience in teaching and supervision of scientific theses are also desirable.

The Technische Universität Darmstadt intends to increase the number of female employees and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the Technische Universität Darmstadt (TV-TU Darmstadt). Part-time employment is generally possible.

Applications must be accompanied by the usual documents (CV, letter of motivation, two letters of recommendation, list of publications, certificates) and the above-mentioned identification number to the Director of the Institute for Nuclear Physics, Professor Dr. Dr. h. c. N. Pietralla, Schlossgartenstraße 9, 64289 Darmstadt.

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