

GSI Helmholtzzentrum für Schwerionenforschung GmbH

a research institution sponsored by the Federal German Republic and the State of Hessen, member of the Hermann von Helmholtz-Gemeinschaft Deutscher Forschungszentren e.V., invites applications for one

Physicist, Ph.D. (m/f) (Postdoc)
Ref.-No. 200044-10.33

in the new **Helmholtz Young Investigators group „LISA- Lifetime Spectroscopy for Astrophysics“**.

LISA is an experimental group focused on stellar nucleosynthesis in the rapid neutron capture process ("r process"). Experimental determination of nuclear properties of exotic, short-lived nuclei (masses, half-lives, nuclear structure, ...) require large facilities like the GSI Helmholtzzentrum für Schwerionenforschung near Darmstadt/ Germany. The focus of the research group are experiments at the Fragment Separator (FRS) and the Experimental Storage Ring (ESR), with special emphasis on the measurement of half-lives. Furthermore, the group is involved in the development of detectors within the ILIMA collaboration (Isomeric beams, Lifetimes, and Masses) for upcoming FAIR projects.

The successful candidate will participate in experiments and the developments of particle detectors and is expected to support the mentoring of graduate and undergraduate students. Applicants should have a PhD in experimental nuclear physics and/or nuclear astrophysics, preferably with experience in accelerator physics and nuclear spectroscopy techniques. Experience with neutron detection and particle detectors is of advantage.

The appointment will be for 2 years (starting as soon as possible) with the possibility of renewal up to the whole duration of the Young Investigators group (31.12.2014). The salary will be paid on base of TVöD ("Tarifvertrag für den öffentlichen Dienst").

Contact: Dr. Iris Dillmann, i.dillmann@gsi.de

GSI is an equal opportunity employer and welcomes the application of qualified female candidates.

Handicapped persons will be preferentially considered when equally qualified.

Applications should include a CV, a list of publications, and a brief research statement. Please also add the names of three persons willing to write a letter of recommendation. These documents should be sent by email (s.maurer@gsi.de) as one pdf-file, referring to the above reference number, by **13.08.2010** to:

GSI Helmholtzzentrum für Schwerionenforschung GmbH
ABTEILUNG PERSONAL UND SOZIALWESEN
PLANCKSTR. 1
64291 DARMSTADT