



PhD student position in experimental HED plasma physics

We invite applications for PhD student positions in the field of experimental high energy density (HED) plasma physics and high field physics.

Together with research teams of the GSI Helmholtz Centre, the Helmholtz-Institute Jena, and the EMMI Fellow group for plasma physics, we conduct state-of-the-art experiments and develop advanced experimental techniques using high-intensity drivers (lasers, ion beams) , setting the ground for novel research at the FAIR International Facility for Heavy-ion and Antiproton Research presently under construction at GSI.

Our experiments are conducted at large scale facilities, including GSI's intense heavy ion beam accelerator, the high-energy short-pulse laser PHELIX at GSI, the free-electron laser FLASH at DESY and high-power lasers at the Helmholtz-Institute Jena and in Livermore, California.

We encourage applications from excellent candidates with a diploma/master degree, ideally with a background in laser or plasma physics or nuclear chemistry. Positions will be supported with a stipend. Structured PhD education is integrated in the Helmholtz Graduate School for Hadron and Ion Research HGS-HIRE (<http://hgs-hire.de>) and the newly opened Helmholtz Graduiertenkolleg Jena.

Interested candidates are invited to submit their application which should include a curriculum vitae, description of research experience, and the contact information of two potential referees to:

Dr. Paul Neumayer
ExtreMe Matter Institute EMMI
GSI Helmholtzzentrum für
Schwerionenforschung GmbH,
Planckstr. 1, D-64291 Darmstadt,
Germany
E-mail: P.Neumayer@gsi.de

OR

Prof. Dr. T. Kühl
GSI Helmholtzzentrum für
Schwerionenforschung GmbH und
Johannes-Gutenberg Universität Mainz
Planckstr. 1, D-64291 Darmstadt,
Germany
E-mail: T.Kuehl@gsi.de

Electronic application via E-mail is preferred.

For more information please contact Dr. Paul Neumayer or Prof. T. Kühl.