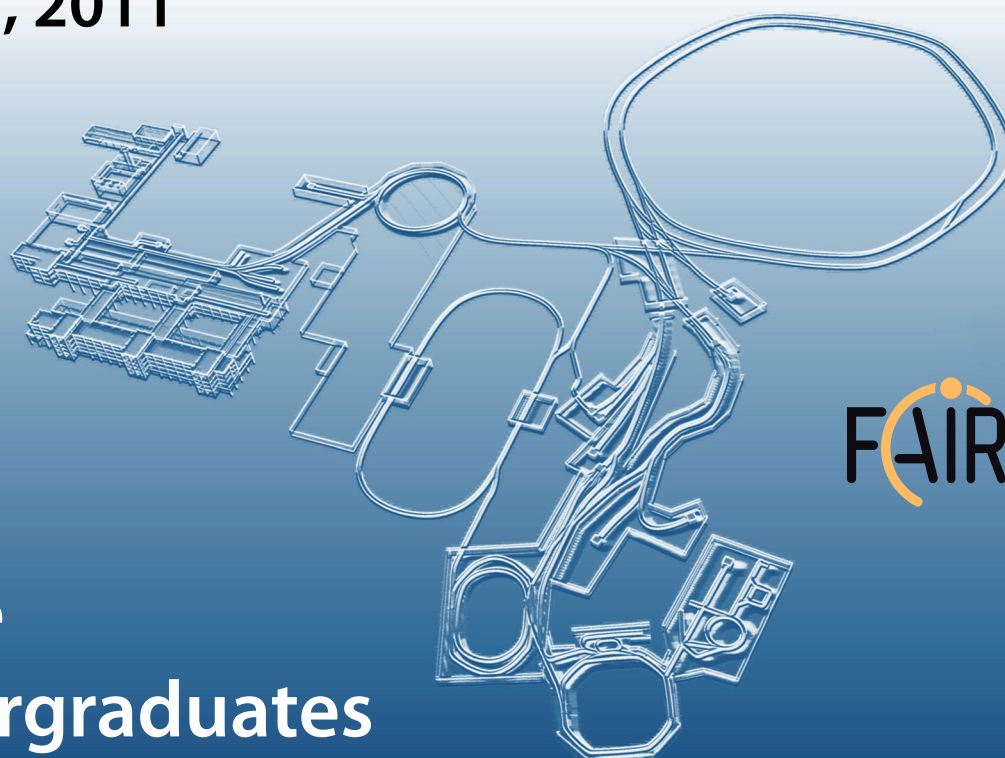


# SUMMER STUDENT PROGRAM at GSI

August 1 - September 23, 2011



## Research Experience for Undergraduates

The GSI Helmholtz centre for Heavy-Ion Research is one of the world's leading laboratories for fundamental research using a heavy-ion accelerator facility with a linear accelerator UNILAC, a synchrotron SIS18 and a storage ring ESR. Over the next years the international Facility for Anti-proton and Ion Research (FAIR) will be constructed on the GSI premises adjacent to the existing complex. The centre provides unique research opportunities for investigations in the fields of nuclear and hadronic physics, atomic, laser and plasma physics, materials science and biophysics with applications in cancer therapy, as well as new accelerator developments and radiation safety.

Every summer the centre invites students in physics or related natural science disciplines from Europe or GSI/FAIR partner countries to participate in an International Summer Student Program.

**Scope:** As the main task, each participant will work on a small research project in one of the research groups. A series of lectures will be held as an introduction to the various branches of research and applications using heavy ions.

Free accommodation will be provided in guest rooms. Travel support as well as a daily allowance will be provided by GSI and its graduate school HGS-HIRe. Further details are given on the web page below.

**Qualification:** The program is intended for students at the advanced undergraduate level (Bachelor, Master), who have completed 3 years of study in their major discipline.

Applications should be submitted via the Internet. Applications and recommendations must reach us before February 15, 2011. The number of participants is limited to 35. The applicants will be informed about the results of the selection procedure per e-mail in April 2011.

Web: <http://hgs-hire.de/summer-program>

E-mail: [stud-pro@gsi.de](mailto:stud-pro@gsi.de) Subject: GSI-ISP2011

FAX: +49 6159 71 2990

Student Program, GSI

Planckstr. 1, D-64291 Darmstadt, Germany