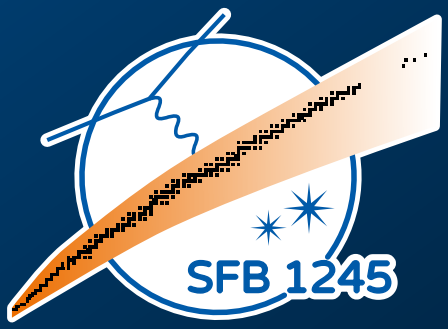
Nuclei: From fundamental interactions to structure and stars

DFG



TECHNISCHE UNIVERSITÄT DARMSTADT

The new Collaborative Research Centre (SFB 1245)
at TU Darmstadt is announcing

15 Doctoral Positions in Experimental and Theoretical Nuclear Structure and Nuclear Astrophysics

Goal of SFB 1245

Systematic understanding of nuclei across the nuclear chart:
effective field theories of the strong interaction will be tested with key experiments at the Darmstadt accelerator S-DALINAC and other internationally leading facilities.

Research topics

- effective field theories and many-body methods across the nuclear chart
- supernova explosions, nucleosynthesis and neutron stars
- precision experiments with electromagnetic probes
- laser spectroscopy of short-lived isotopes
- Coulomb breakup and knockout reactions at the limits

Open positions

We are continuously looking for excellent young researchers who want to work in this attractive environment. The doctoral research is embedded in an integrated graduate program with a range of opportunities.

Applicants are invited to submit: curriculum vitae, copies of transcripts and certificates, two recommendation letters, and a letter of motivation electronically to sfb1245@ikp.tu-darmstadt.de.
Deadline for first round of applications is March 1, 2016.

www.sfb1245.tu-darmstadt.de