

PhD Position at Institute for Nuclear Physics, Technical University Darmstadt

We have an opening for a doctoral student position within the Collaborative Research Center SFB 1245 of the DFG at the Institut für Kernphysik of the Technische Universität Darmstadt (payment 2/3 of salary scale E13).

The goal of SFB 1245 is a systematic understanding of nuclei across the nuclear chart from effective field theories of the strong interaction that are tested with key experiments at the superconducting Darmstadt electron linear accelerator (S-DALINAC) and other world-leading accelerator centers.

The PhD project focuses on the quenching phenomenon of the spin-isospin strength in nuclei common to electromagnetic and weak processes. Transverse electron scattering form factors will be measured with the unique 180° system at the S-DALINAC. The successful applicant is expected to complete the commissioning of the upgraded 180° system and investigate magnetic excitations in light and medium-mass nuclei.

The doctoral research is embedded in an integrated graduate program with a wide range of opportunities for training and development of personal skills. Applicants are invited to submit a CV, copies of transcripts and certificates, two recommendation letters, and a letter of motivation electronically to sfb1245@ikp.tu-darmstadt.de.

Further information can be found online at <http://www.sfb1245.tu-darmstadt.de>.

For questions please contact the project leaders

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