

Helmholtz-Zentrum Dresden-Rossendorf e.V.



With cutting-edge research in the fields of ENERGY, HEALTH and MATTER, around 1,500 employees from more than 70 nations at Helmholtz-Zentrum Dresden-Rossendorf (HZDR) are committed to mastering the great challenges facing society today. The Institute for Ion Beam Physics and Materials Research is dedicated to the study of materials and their nanostructures that can be considered for future applications in information technology and are based on electrical, magnetic or optical functionalities. The Department of Intelligent Materials and Systems is looking for a

Postdoc (f/m/d) Magnetoelectric Antiferromagnets

City: Dresden; Starting date (earliest): 01/11/25; Remuneration: TVöD-Bund; Reference number: 2025/109; Closing date: 05/09/25

Working field

- Synthesis of magnetoelectric samples
- Structural characterization
- Magnetoelectric characterization
- Participation in x-ray and neutron beamtime measurements at large scale facilities
- Ion-beam induced modification of magnetoelectric samples

Requirements

- Completed PhD in the field of physics, material science or comparable natural sciences
- Fabrication and characterization of condensed matter samples with ferroic ordering
- Structural characterization (hard x-rays, neutrons, Raman, electron microscopy), measurements of electrical polarization
- Fluency in written and spoken English

What we offer

- A vibrant research community in an open, diverse and international work environment
- Scientific excellence and extensive professional networking opportunities
- Salary and social benefits in accordance with the collective agreement for the public sector (TVöD-Bund) including 30 days of paid holiday leave, company pension scheme (VBL)
- We support a good work-life balance with the possibility of part-time employment, mobile working and flexible working hours
- Numerous company health management offerings
- Employee discounts with well-known providers via the platform Corporate Benefits
- An employer subsidy for the "Deutschland-Ticket Jobticket"

Application

We look forward to receiving your application documents (including cover letter, CV, diplomas/transcripts, etc.), which you can submit via our online-application-system: <https://www.hzdr.de/db/Cms?pNid=490&pLang=en&pOid=75469>

More information at <https://stellenticket.de/197288/TUBS/>
Offer visible until 05/09/25

