

## **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 Quantum Technologies is looking for a

### **PhD Student (f/m/d) Spectroscopy of telecom quantum emitters in SiC**

(subject to final approval by the project sponsor).

City: Dresden; Starting Date: 01/04/25; Renumeration: TVöD-Bund; Reference number: 2024/164; Closing date: 31/01/25

#### **Working field**

- Planning and execution of experiments on confocal microscopy of quantum emitters
- Analysis and modelling of the experimental data
- Carrying out literature research
- Publication and presentation of scientific results

#### **Requirements**

- Completed university studies (Master/Diploma) in Physics, Engineering Physics or a related subject -area obtained with above-average qualifications
- Good skills in experimental physics
- Excellent communication skills and willingness to work in an interdisciplinary environment
- Written and spoken English
- Python and/or Labview programming skills

## What We Offer

- A vibrant research community in an open, diverse and international work environment
- Scientific excellence and extensive professional networking opportunities
- A structured PhD program with a comprehensive range of continuing education and networking opportunities - more information about the PhD program at the HZDR can be found here
- 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&pOid=73177&pContLang=en>

Weitere Informationen unter <https://stellenticket.de/190370/>  
Angebot sichtbar bis 16.01.2025

