

The Helmholtz-Zentrum Dresden-Rossendorf e.V. (HZDR) is a non-profit research organisation and a member of the “Helmholtz Association”. It is jointly funded by German Federal government (90%) and by the state of Saxony (10%). HZDR pursues application-oriented as well as basic research, focussing on the fields of matter, energy, and health. Around 1100 people are employed at HZDR. For additional information please visit: <https://www.hzdr.de>. The Institute for Resource Ecology (IRE) conducts applied basic research to protect humans and the environment from the effects of radioactive radiation.



## **Internship Opportunity (1 Month): Web-Based Tool Development for Scientific Data Management**

**Start date: 1<sup>st</sup>-15<sup>th</sup> of June 2026**

**Deadline for application: 28<sup>th</sup> of April 2026**

**Location:** ROBL (BM20) at the European Synchrotron Radiation Facility (ESRF), Grenoble, France.

The Rossendorf Beamline is looking for an intern for a one-month project focused on developing web-based tool for generating Excel sample sheets used to record activity levels of radioactive samples. The application will allow scientists to input key information through a simple interface and automatically produce a structured .xlsx file for download. The intern will contribute to both the user interface and the underlying logic that processes the data and creates the Excel output. We are looking for a motivated and detail-oriented candidate interested in building a practical tool for scientific use.

The Rossendorf Beamline (ROBL) is one of 12 Collaborating Research Group (CRG) beamlines, located at SBM port 20 of the EBS ring of ESRF. It is owned and operated by IRE at HZDR, and is dedicated to actinide sciences and radioactive waste disposal research.

<https://www.esrf.fr/UsersAndScience/Experiments/CRG/BM20>

### **Requirements:**

- Currently enrolled in a Bachelor’s or Master’s program at a university (or an equivalent higher education institution) in computer science, physics, engineering, materials science, or a related field.
- Basic programming skills in Python
- Familiarity with web technologies (HTML, CSS, JavaScript)
- Experience with Excel-related libraries is an advantage but not essential
- Excellent organizational and communication abilities
- Capability to work both independently and collaboratively within a multi-disciplinary team.
- Proficiency in English, as it is the working language at the ESRF

### **Our offer:**

- A vibrant research community within an open, diverse, and international work environment
- Excellent opportunities for professional networking
- Monthly stipend: 992 EUR

If you have any questions, please contact Kristina Kvashnina, tel.: +33 476 88 23 67 (or by email). Kindly submit your completed application (including cover letter and CV) to [kristina.kvashnina@esrf.fr](mailto:kristina.kvashnina@esrf.fr) by **28<sup>th</sup> April 2026**.