

General Radiation Protection Instructions at ELBE (Building 540/542)

Access and Dosimetry

- You can only enter the ELBE building using your active HZDR identity card or HZDR guest-card.
- At all times you have to carry an electronic dosimeter with you and, if you have one, your personal film or albedo dosimeter. If you lose one of your dosimeters or if they were irradiated unintentionally you have to inform immediately the radiation protection personnel.
- Before entering the ELBE hall put an electronic dosimeter in the readout station of the dosimetry system and hold your identity card at the card-reader. After leaving the hall, put the dosimeter in the readout station again and then back in the rack.
- If you don't have an identity card, please take an electronic dosimeter and enlist the required data in the control list found at the entrance area to the ELBE building.
- If there is an alert or more than 10 μSv per day at your dosimeter you have to contact the radiation protection personnel.
- In the whole ELBE-Building eating, drinking and smoking is not allowed. You can eat and drink in the rooms 201 to 206, 231, 237, 239 and in the entrance area.

Radiation protection areas

You have 3 radiation protection areas at ELBE, which are marked by illuminated signs at the entrance of the rooms:

- Kontrollbereich
 - It's a controlled area. All caves and some other marked rooms and also the roof area are Kontrollbereiche. There's no trespassing and the controlled areas are marked by yellow signs at the doors.
- Sperrbereich
 - It's an exclusion area. All active caves with beam time are Sperrbereiche. The radiation protection doors are closed and there's no access to the exclusion areas, which are marked with red signs at the doors. If you open a radiation protection door during a beam time, the Interlock-System will stop the accelerator.
- Überwachungsbereich
 - It's a monitored area. All rooms and areas of the ELBE-building which are not Kontrollbereich or Sperrbereich are Überwachungsbereich
- In case of an emergency you can find in every cave NOT-AUS-buttons which stop the accelerator and NOT-AUF-buttons which open the radiation protection doors.

Control of radioactive contaminations / activations

- If you want to take objects out of a Kontrollbereich, you have to call the radiation protection personnel. All objects from a Kontrollbereich have to be measured before you can take them with you.
- After working with activated objects or if you suspect a contamination, you have to use the contamination monitors.
- If you notice any contamination you have to call the radiation protection personnel immediately.

Other important things to know

- There's no access for pregnant women to the ELBE-hall. Exceptions need the approval of the SSBV. Please inform your SSB as early as possible about a pregnancy.
- The access to the rooms 124, 123, 001, 002, 003 (Neutron-Hall) is only allowed with the approval of the SSB. There they handle with open radioactivity.
- It's not allowed using metal-cutting or aerosol generating procedures at activated objects!
- If there's a fire alarm in the building use the main entrance or the fire exits and wait for further instructions in front of the main entrance of the ELBE building.

Important Telephone numbers

| Function | Name | Tel-Nr. / Building / Room |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Radiation Safety Officer (RSO) Strahlenschutzbeauftragte (SSB) | Isabel Kösterke | 3329 / Bldg. 540/542 / R 205 |
| Contact for Building 540 | Michael Freitag | 2997 / Bldg. 620 / R 306 |
| Control Room (Steuerraum) | | 2252 / Bldg. 540 / R 202 |
| Head of the Dept. ELBE | Dr. Peter Michel | 3259 / Bldg. 620 / R 312 |
| Secretariat ELBE | Petra Neumann | 2101 / Bldg. 620 / R 313a |
| Dept. Dosimetry | | 3426 / Bldg. 890 / R 116 |
| For occupational safety | Steffen Seifert | 3366 / Bldg. 120 / R 119 |
| Emergency | | 3333 |
| Outside normal working hours | Alarm Control Office | 3333 or 3048 Building 120 |
| Intranet-Telephone-Book | http://www.hzdr.de/db/!ContMan.Search.Data?pStaff=2&pNid=810 | |

Call from mobile phone: +49 351 260-Number