

## Department Environment and Biodiversity

Laboratory Unit:	Thermochron
Room:	E-3.046
Responsible:	Bjarne Friedrichs
Co-Responsible:	Uwe Brendel
Consultation prior to work:	Bjarne Friedrichs
Latest update:	September 2023

### Local Safety Rules

- The use of the lab is only allowed after safety instructions have been obtained by the responsible person.
- Laser hazard: Alphachron is a laser class 1 instrument during standard operation (i.e. no laser hazard). When laser cover is open and interlocks are defeated it is a laser class 4 instrument with visible and invisible laser radiation. Avoid eye or skin exposure to direct or scattered radiation. Infrared safety goggles must be worn when laser is fired without the laser cover.
- Risk of burns: Alphachron's line getter and quad getter chambers might burn skin. Do not touch when (recently) heated.
- Risks of injuries: Alphachron is a vacuum instrument. Implosions, objects accelerated by compressed air, or compressed air penetrating a body can cause injury or even death. Do not manipulate evacuated parts or compressed air tubing.
- XRD: The Seifert XRD system is a full-protection instrument ...
- Risk of stumbling: Cables and compressed air tubing may imply a risk of stumbling. Mind your step.
- Eating, drinking, smoking and application of cosmetics is forbidden.
- Accidents and near-accidents have to be reported immediately to the [responsible person](#)
- The Fire Protection Ordinance applies. Fire protection equipment must not be put out of operation.
- The room must remain unlocked while work is in progress. Please close when work is done.
- Alone work is permitted provided training has taken place and relevant documents are filed correctly.
- No persons are allowed to perform chemical procedures before 8:00 and after 17:00 weekdays or during periods of holidays and weekends when laboratory personnel are absent.
- An up to date permit must be put on the outside door for laboratory work (not measurements) running overnight and over the weekend. Permits must be completed by researcher and supervisor filed with the FB administration (Silja Parke).

**Emergency**



Building manager: ext 6821

Fire: 0 – 122

Ambulance: 0 – 144

Info Poisoning Treatment: 01- 406 43 43

---

User:

I confirm that I have read and understood the above Local Safety Rules

Date: \_\_\_\_\_ Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Laboratory Responsible:

I confirm that above named person was trained on the basis of the Local Safety Rules.

Date: \_\_\_\_\_ Name: \_\_\_\_\_ Signature: \_\_\_\_\_