



Universität Bremen

**Safety instructions**  
according to § 9 BetrSichV

**Responsible person:** K. Sebald

**Working area:**  
Physikalische Praktika

Applicable to employees, tutors  
and students

**Workplace:**  
S3180, S3040, S3100, ...

### Field of application

**LASER class 1**

### Hazards for humans and the environment



Life-threatening body currents possible with  
- defective devices and/or connecting cables  
The accessible laser radiation is not dangerous  
under reasonably foreseeable conditions, i.e.  
when used as authorised.

### Protective measures and rules of conduct

- Only use lasers with a valid inspection sticker (DGUV V3)
- Carry out a visual inspection before using, report any damage or unusual conditions (heat, odour) immediately to the technical staff and switch off the device immediately if necessary
- Only use the laser as specified
- Never operate the laser with the housing open!!!
- **Laser is only to be operated by instructed persons**
- Align the beam path so that it is not at eye level
- Limit the laser range by shielding
- Avoid unintentional reflections, remove jewellery and watches
- Do not look into the direct or reflected laser beam
- Protect the connecting cable from mechanical damage
- Protect from splashing water, do not switch on wet devices

### Behaviour in the event of a malfunction

- Switch off the laser immediately and pull out the mains plug
- Inform technical staff

### First Aid – Emergency call (0)112



- Press emergency stop!!!
- Pay attention to self-protection!!!
- Provide first aid, inform first aiders, consult a doctor in the event of medical problems
- when looking into the laser beam, turn away and wait for the irritation to subside

### Maintenance / Appropriate disposal

- Inspection in accordance with DGUV regulation 3 every 18 months
- Repairs are only to be carried out by a specialist
- Disposal in electronic waste, contact: Hotline 60088

Date: ..... Signature: .....