

Checklist after power failure

1. Check both IGP Controller for the resonators R1 + R2

- Current should be below 2 mA (both should show "HV ON" (green LED on)
- Check both USV for IGP's

1. Check Meerstetter TEC for R1 + R2 + ECDL

- Green LED on?
- Check in the software *TEC Service v2.70 - R1*, *TEC Service v2.70 - R2* and *TEC Service v2.70 - ECDL Baseplate* on the ResLab-PC:
 - How is the behavior of the temperature?
- Check both USV for TEC's

1. Check the air conditioner for the entire room

- Is the air-conditioning system switched on?
 - Is the V-belt (=Keilriemen) broken?
- What is the temperature of the draft (=Zugluft)? → should be >10 °C
 - Check the electric fuse (=Sicherung) on the third floor

1. Check the H-Maser

- All LED are green?
- Check in the Software *VCH* on the ResLabMobil:
 - All values except for D2h must be green!

1. Check the 914nm-laser

- Light is on? Powermodule is on?
- TA stabilization is ok?
- Laserdiode is on?
- How much power is in front of the resonator? → should be 70-100 µW
- What wavelength does the Wavemeter display?

1. Check the 10 MHz reference

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Last update: 2017/01/03 13:16

