

EOM and AOM Box

- Idea: <fc #ff0000>PAPER FOR EOM/T CONTROL</fc>

Advantages

1. easy to handle
2. robust
3. mechanics/temperature stabil
4. active control of the temperature of the EOM

Components

Optics

- 1x Fiber-AOM
- 1x Fiber-EOM
- 1x Fiber-Coupler/Splitter
- 2-3x Fiber-rewinder (=Aufwickler)

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Mechanics

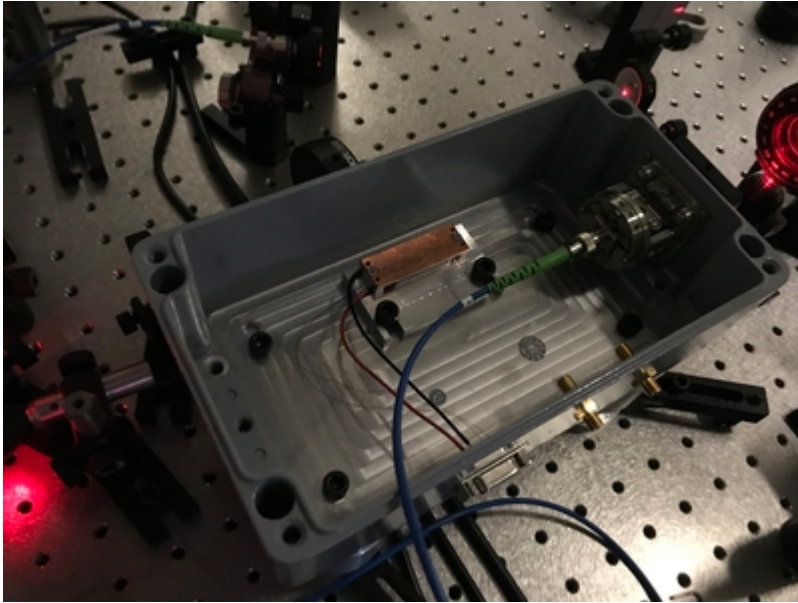
- Alu-Box (Typ: 01182810/A131)
- Breadboard
- Mount for AOM (Material: Alu)
- Mount for EOM (Material: Alu, Cupper, Teflon, ...)

Electronics

- 2x SMA connectors for RF-frequeuncy
- 1x BNC connector for out-of-loop temperature measurement
- 1x Sub-D-9-Male connector for temperature controlling
- 2x Peltier elements (Typ: QC-K03504T125, 189186 from Quick-Coo)

Box bauen mit EOM Temperatur Regelung (Peltier):

Possible setup



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