

457 nm-Laser (Wutz)

Laser parameters

The system was build by Toptica (TA-SHG 110)

914 nm Master-Laser

- DL current: ~ 100 mA
- DL power: ~ 20 - 50 mW
- TA current: 1.67 A
- TA power: ~ 490 mW

457 nm SHG

- Operation outputpower: ~ 130 mW
- Max outpupower: 200 mW

== Doublepass AOM (for Wutz)

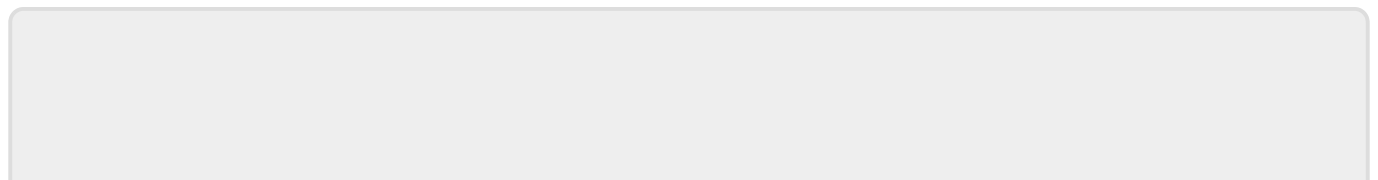
- Modulation frequency: 104.674 MHz @ 7 dBm (1.7.2013)
- Diffraction Order: 2×-1

AOM 1 (Transfer Light)

- Modulation frequency: 79.111 MHz
- Diffraction Order: $+1$
- Power infront the AOM: ~ 117 mW
- Power behind the AOM in 1. order: ~ 35 mW

Wutz Resonator Fiber

- After fiber: ~ 300 μ W
- Infront of iris next to resonator: ~ 200 μ W



Last
update:
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