

457 nm-Laser (Wutz)

Operation Values

To Do! Picture!



Edit any other values!

Lasersystem - Typical power values

The system was build by ... and is described in his

914 nm-Laser

- Outputpower after TA: ~ 490 mW

457 nm-SHG

- Operation outputpower: ~ 130 mW
 - Max outpupower: 200 W
- Power for photodiode: ~ ... müW

AOM´s

Double pass AOM (Wutz)

- Power infront the AOM in 1. order: ~ 117 mW
- Power behind the AOM: ~ 35 mW (efficiency ~ 30 %)

AOM 1 (Spectroscopy)

- Power infront the AOM in 1. order: ... mW
- Power behind the AOM: ... mW (efficiency ~ ... %)

AOM 2 (Sisyphus)

- Power infront the AOM in 1. order: ... mW

- Power behind the AOM: ... mW (efficiency $\sim$... %)

Fibers

Wutz

- Infront fiber: $\sim 3,3$ mW (only 1. order)
- After fiber: ~ 900 μ W [efficiency ~ 30 %]

Spectroscopy

- Infront fiber: mW
- After fiber: ... [efficiency $\sim$... %]
- Operation power: ... mW

Sisyphus

- Infront fiber: ...
- After fiber: ... [efficiency $\sim$... %]

Wavemeter

- Infront fiber: ...
- After fiber: ... [efficiency $\sim$... %]

Wutz-resonator

- After cube: ~ 750 μ W
- Infront aperture: ~ 350 μ W

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