

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 mW
- Power for photodiode: ~ ... müW

AOM´s

Double pass AOM (Wutz)

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

AOM 1 (Spectroscopy)

- Power infront the AOM: ~ 117 mW
- Power behind the AOM: ~ 103 mW
- Power behind the AOM in 1. order: ~ 35 mW (efficiency ~ 35 %)

AOM 2 (Sisyphus)

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

Fibers

Wutz

- In front of fiber: ~ 3,3 mW (only 1. order)
- After fiber: ~ 900 mW [efficiency ~ 30 %]

Spectroscopy

- In front of fiber: mW
- After fiber: ... [efficiency ~ ... %]
- Operation power: ... mW

Sisyphus

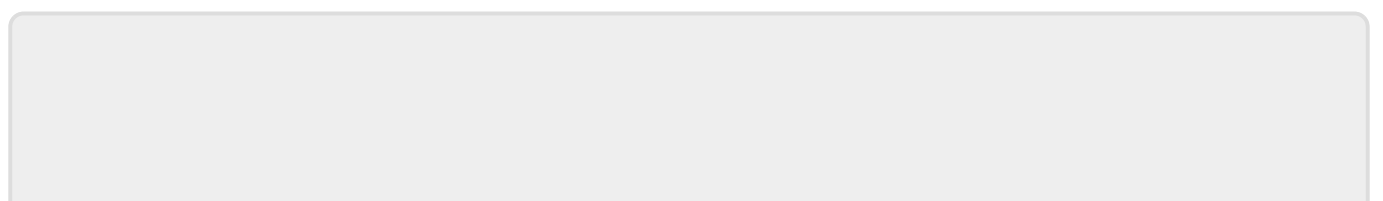
- In front of fiber: ...
- After fiber: ... [efficiency ~ ... %]

Wavemeter

- In front of fiber: ...
- After fiber: ... [efficiency ~ ... %]

Wutz-resonator

- After cube: ~ 750 mW
- In front of aperture: ~ 350 mW



From:

<https://iqwiki.iqo.uni-hannover.de/> - IQwiki

Permanent link:

<https://iqwiki.iqo.uni-hannover.de/doku.php?id=groups:mg:experiment:laser:457nmlaser&rev=1440423801>

Last update: **2015/08/24 13:43**

