2025/07/05 11:41 1/1 |our Fixe

Jour Fixe

NJ, PG, WFP, kHz

Atomslab

- TiSa SHG
 - Toptica does not tell anything about the waist in the cavity
 - o Tried different incoupling lenses, but ended up to either end of the alignment
 - 1.3 W @ f=100mm
 - Outcoupling beam cant kept symmetrically
 - Probably first collimation lense not perfectly collimating → You can't get the beam symmetrical with TODO
- Build a spare laser for L4 but in Littrow configuration
- SWAP experiments
 - \circ With SWAP light → Number of atoms still go down (7.5 μ W, 20 MHz detuned)
 - Going closer to resonance, line becomes narrower
 - Atomcount in the DT are low: TMOT?
- Quench
 - Power optimized: Back to 40 mW infront of fiber
 - Now working on frequency stabilization and tuning it to resonance

Reslab

- SS + NJ got the comb back working
 - Good modelock point
- Next: Coupling to new PCF

From

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

Permanent link:

https://iqwiki.iqo.uni-hannover.de/doku.php?id=groups:mg:private:meetingnotes:2020-11:meetingnotes-2020-11-23&rev=1606132913

Last update: 2020/11/23 12:01

