

Jour Fixe

SS, NJ, KHZ, PG

Atomslab

- New Msquared TiSa has been installed with more than 3.7 W power at 936 nm and more than 6 W at 780 nm
- Nandan has to take care of the enclosure along the laser and also contacting Sven to update the new laser powers for our lab

Reslab

- Frequency-Comb does not mode-lock. The cavity needs to be adjusted which will be done on Wednesday by Steffen.

Quench

- The alignment of the fiber from the laser is not so stable, keeps changing day to day. Therefore Philipp is installing a PBS in front of fiber to make sure incoupling is optimized.
- SHG was re-adjusted after moving the system to Atoms lab. Got 80 mW out of 600 mW input.
- Also readjusted the AOM.
- Do we need a double pass AOM between laser and the transfer cavity? Instead of scanning with the switching AOM, this may be a better option in future.

PTB/Meta-mirror

- Steffen measured the finesse of the metamirror for first time. It was around 5000. Will repeat measurement at other positions and other metamirror batches.

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