

# Jour Fixe

WFP, PG, SS, NJ, kHz

## General

- Pia wants to do her B.Sc at Mg Atomsfab (January).
  - Meeting with her Wednesday 14-15h

## Atomsfab

- Replaced L4
- T-MOT and DT working with replaced L4 now
  - Frequency instabilities of the previous L4 now solved
- Investigate the power instability of L2/AOM this week
- Also continue with Nishads measurements for his thesis
- Quench system
  - Fiber coupling efficiency is bad right now → To be adjusted (10mW → 100  $\mu$ W)
- Magic System
  - Changed lense to SHG coupling → 1.5 W
  - Infront of fiber: 1.1-1.2 W
    - Seems to be limited by stimulated brillouin scattering at  $\sim$  1W. Fiber output limited to around 650 mW
- Money discussion with Ernst today - What to buy?
  - Replacement of L2 system?
    - Toptica?
    - Stefan Hannig SHG?

## ResLab

- Comb kept on locked over whole week
- PCF coupling missing yet

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