

Frequency measurement

ToDo @ ResLab

- Analyze: all error signals
 - ☐ Reprate
 - ☐ Ceo
 - ☐ Intensity lock R1
 - ☐ PDH Lock
 - ☐ TA Lock
 - ☐ Fiber stabilization
- ☒ [✓ ssauer, 2017-02-22] ~~What are the limitations of the frequency comb?~~
- ☐ Test new virtuel beat setup
 - ☐ without EDFA
 - ☐ with new electronic box
- ☐ MASER: Sync vs GPS (over 1 week) and correct for deviations

ToDo @ AtomLab

- ☐ AC Stark shift: Clock laser
- ☒ [✓ fim, 2017-01-24] ~~measure the clock laser waist~~
- ☒ [✓ fim, 2017-01-24] ~~focused or kollimate clock laser?~~
- ☐ AC Stark shift: Lattice Laser
- ☐ Recheck magnetic fields: Compensation Coils and Hom. Coil
- ☐ measure Zeemann
- ☐ collisions?
- ☐ shut off stabilizations: influence on the linewidth?
- ☐ Stability of the clock: Make selfcomparison and check averaging

ToDo after

- ☐ check all values

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