

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?~~
- ☒ [✓ ssauer, 2017-02-22] ~~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

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

Permanent link:
https://iqwiki.iqo.uni-hannover.de/doku.php?id=groups:mg:frequency_measurement&rev=1487756271

Last update: **2017/02/22 09:37**

