Jour Fixe

Members in attendance: NJ, SS, DF, WFP, PG, FW

Atom Lab:

- Windows installation and Labview installation done on all PCs. Also the Xabbu4 PC is more or less fully ready.
- Higher order lattice AC Stark shifts are too large at high intensities to go on with in-situ AC Stark shift measurements. NJ will write to Ernst to postpone the frequency measurement.
- For the new triplet laser test-station:
  - FW is working on temperature controller based on HTC 3000
  - Still waiting for PCBs of laser driver (new version 2.4)
- Quench Laser:
  - Went back to old KMK laser diode from ThorLabs laser driver
  - With a bad lock to cavity, 50 mW blue out of 350 mW IR (Still IR present with blue light????)
  - Error signal from lockin amplifier looks bad, the DC input is dominating the output

Resonator Lab:

- Some problems with windows installation in reslab due to lack of a proper protocol. After all software installations, SS will try to implement the repaired frequency comb and see if all works OK.
- Waiting for some hardware from Menlo to enable in coupling of light to new PCF
- New clock laser fiber between labs
  - Some problems with the amplitude fluctuations in error signal of fiber stabilization. Either some electronic issue or polarization fluctuations. It is still lockable though.

Next meeting: 20.01.2020