

# Jour Fixe

kHz, DF, SS, WFP, NJ, PG, FW

## General

- Windows 10 Upgrade TBD soon!
  - Buy 4 SSDs (Xabbu3, MgControl, Wavemeter, Reslab)
  - Install Win10 + “Only programs you need” freshly on new SSD
    - Disconnect old SSDs (keep as backup)
    - Disconnect (Data) HDDs
      - Will this cause the RAID to die?
      - Will RAID work after that by just re-pluggin the drives?
      - **Make backups** and/or check, if automatic **backups are present** and in the latest state
- Journal Club
  - NJ will not *volunteer* for the next one → Next in line would be SS (least amount of JCs: 2)
- Holidays

NJ	Back [2019-12-30 Mo]
DF	[2019-12-20 Fr] - [2020-01-06 Mo]
SS	[2019-12-20 Fr] - [2020-01-07 Di]
WFP	[2019-12-19 Do] - [2020-01-06 Mo]
kHz	[2019-12-18 Mi] - [2020-01-06 Mo]

## Resonator

- Got OK for Comb repair + New PCF
  - TBD: Wirtschaftlichkeitsuntersuchung
- Maser: Ionpump problems → Move to PTB over XMas
  - HITec caddy possible → kHz will ask Tobias for Monday/Tuesday ([2019-12-16 Mo]/[2019-12-17 Di])
- 10 MHz: Warmup behaviour investigation this week
- R1: Lock showed 50 Hz/ 100 Hz oscillations two weeks ago → Rf amplifier or PSU? → Problem now gone.
- R2
  - We see modes now!
  - Needs a PDH to work on for a few weeks to make it finally working again after all those years&#x2026;
  - SS to skip PTB work for a few weeks to invest full-time on R2?

- Ask EMR next week, if SS shall do it or not
- H-Beast
  - Changed experimental place (Because of SS's leg)
  - Chamber closed (not yet pumped) to mitigate acustics via air
  - Remeasure vibration sensitivity

## Mg

- Systematics

Clock AC-Stark	E-17
Densitiy	E-16
Lattice AC-Stark	E-15

\* SWAP during broken-comb time (within DP)

- Mostly seen heating&#x2026;
- Reason due to restricted velocity classes in the DP?
- New student (Nishad, opt. technology) going to work on that
  - Exp. and Theory

## Quenchlaser

- Mode matching improved
- Temp. of laser housing was bad (was PID-Peltier, now Thorlabs). Still oscillations seen, which cause modejumps
- Polarization changes infront of transfer cavity seen.
  - Definitely not infront of first fiber
  - Check, if its directly after the first/second/third fiber

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Last update: 2019/12/09 16:36

