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 *volounteer* 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
  - HlTec 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…
    - 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…
- Reason due to restricted velocitiy 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