

# Jour Fixe

PIA, DF, NJ, NW

## Mg

### \* Mg Lab:

- Issue with laser 4 power coupling to cavity. Only 25 micro W.
- Ordered new combining beam plates to increase laser 4 power, while sacrificing laser 1 power.
- Working on the inventory of laboratory equipments. Alex: Only equipment with either AC supply or voltage above 30 V needs to be checked.

### \* DDS Project

- Evaluating the data. The beat frequency data is fitting only for a part of the sweep, not the full sweep.

### \* SWAP Simulation:

- Issues with SWAP code: sometimes atom escape the trap region. Issues with atomic motion within the trap.

### \* Frequency measurement paper: Waiting for some comments from PTB.

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Last update: **2021/10/25 13:26**

