



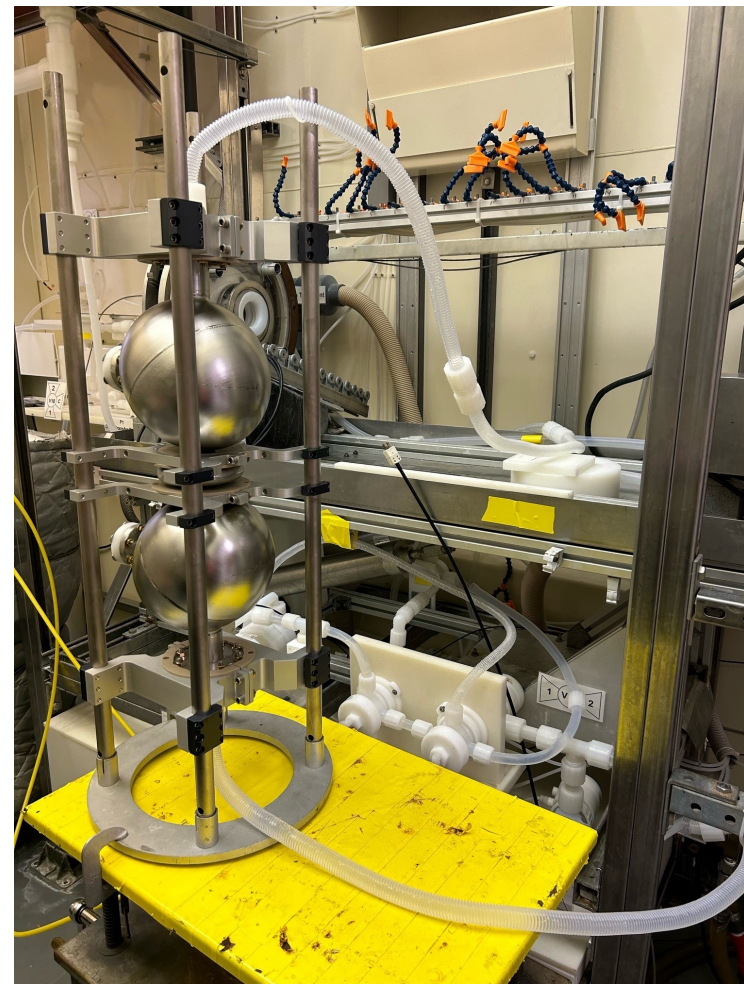
MAGO update - May 2024

Flash BCP on MAGO cavity

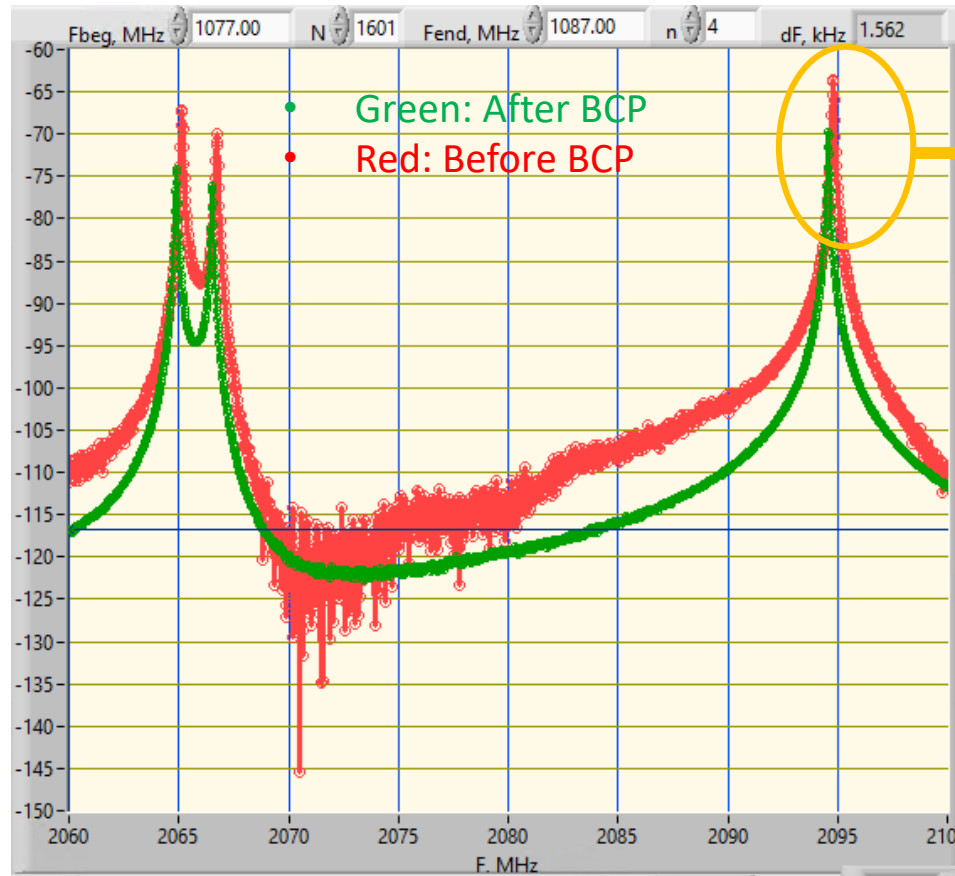
Activity conducted at ANL

Cavity received:

- Ultrasonic (US) cleaning + hand HPR with Frame
- Flash BCP: average estimated removal 4-6um
- US cleaning + Hand HPR



RF measurements after BCP

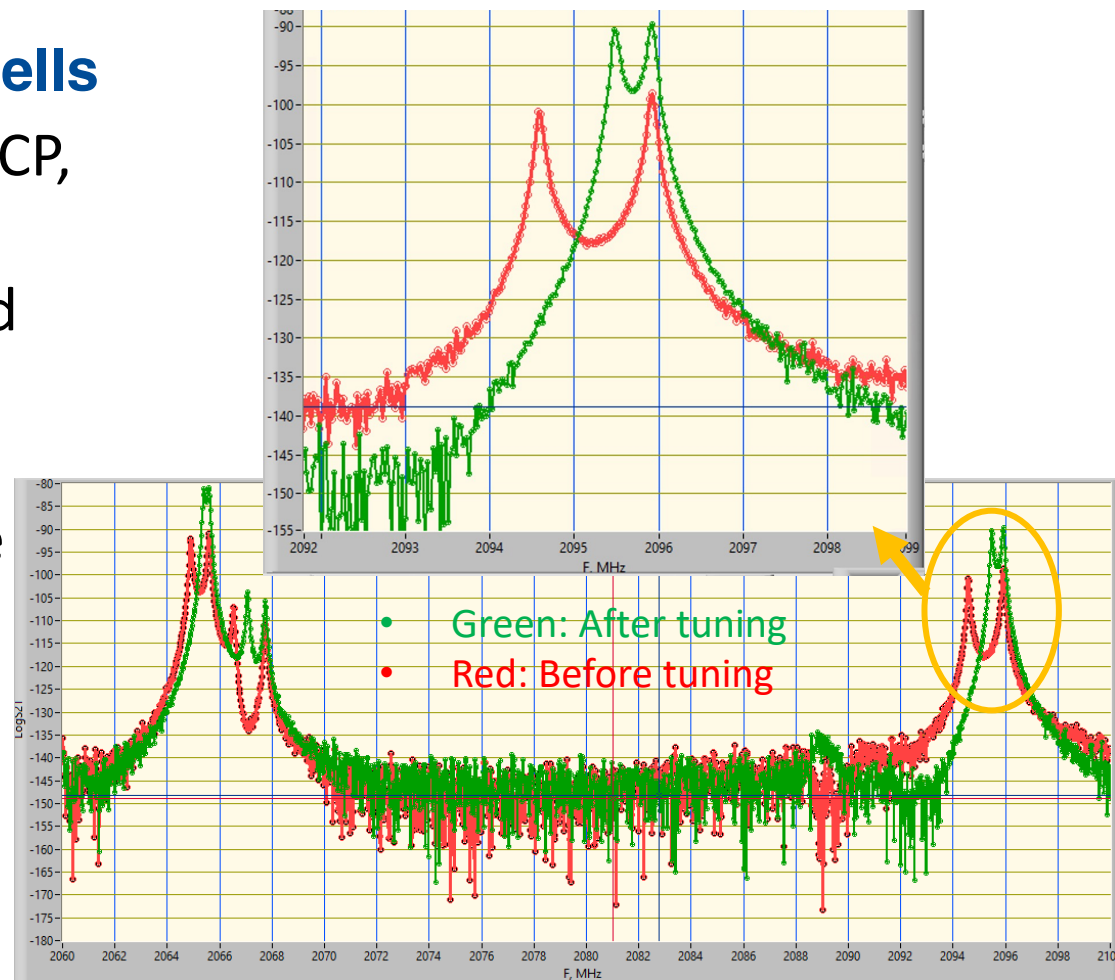


RF measurements and tuning
conducted by Timergali Khabibouline

Initial tuning of spherical cells

Plastic tuning started after BCP, **before** furnace bake (due to misunderstanding in planned activities).

Tuning was not completed.
Will restart after the furnace bake and straightening.

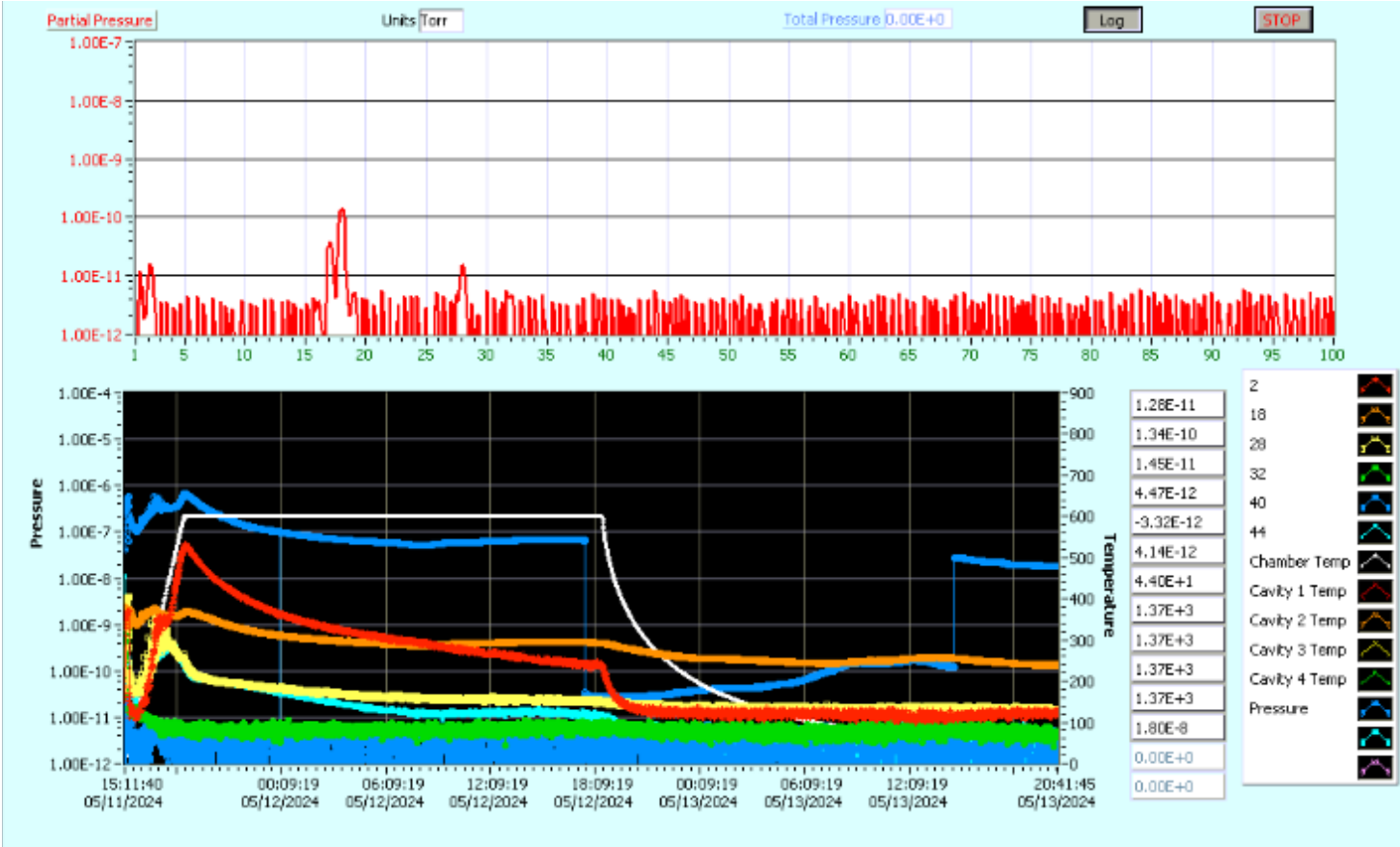


Furnace bake: 600C x 24h

- Before starting furnace preparation: cleaned the outer surface with isopropyl alcohol and used scotch brite to remove contaminants (i.e. epoxy traces from old sensor)
- US cleaning + Hand HPR with frame
- Bake



Furnace bake: 600C x 24h (2)



Next steps

- Straighten cavity
- Complete tuning
- Check antenna coupling (useful at RT?)
- Prepare for VTS: HPR, assembly and leak check
- VTS test: we should discuss a detailed plan of measurements to make the most of the test (include theorists in the discussion!)