microMott

Added NEXTorr Z 200 in place of bellows IP to speed up time to reach sufficient base pressure
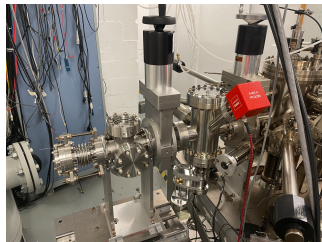

Previously/Upgraded:

1. Bake bellows (24 hr)(24 hr)
2. Cool (12 hr)(1 hr)
3. Heat cathode 450 C (2 hr)(2 hr)
4. Cool (12 hr)(1 hr)
5. Heat cathode 550 C and activate

Hopefully cut ∼24 hours from swap time to speed up testing. First try will be Marcy's sample on Tuesday.

UITF

Many jobs in progress to get ODU samples in UITF

- ~~Pucks degassed~~
- Pucks UHV cleaned
- Suitcase built (70 %)
    - NEXTorr Z 300 should arive in ~1 week
    - Manipulator needs adjustment to prevent puck rotation
- Laser is moving into the cave (this week?)
- ODU sample 22R177-1-3 is getting cleaned for the maiden voyage (thanks Adam!)
- Super K table prep is in progress

COMSOL Modelling

Finally have some control over QE model in COMSOL

- Band-bending/absoption curves can now be moved to desired configuration

- QE can be scaled by WKB transmission to yield correct OOM