

Agenda of ORNL-UTK-UKY-LU zoom meeting
February 03, 2026, at 3:30 PM EST

1. Update for pictures calculation for paper - Nathan + Leah
2. Update on two magnets availability for transportation - Lisa
3. New configuration for pressure measurements in nTMM - Yuri
4. UKY update - Mubi
5. LU update - Linus
6. AOB

1. Status of work on the paper

- Cary is not available, JULIA code doesn't work on UT cluster; we can not run at Georgia Tech as well
- All pictures with new results for comparison with other experiments are already produced in the region $\Delta m > 10$ neV (up to 1200 neV)
- Nathan is trying to use alternative method of calculation (not described in our previous paper that we are referencing to for the calculational method) but it not exactly reproduce the density matrix method of calculations and will need more time for adjustment its steps and configuration. It can further delay publication of the paper
- New suggestion: since Julia code was installed by Linus at ESS cluster, we should ask Linus to perform these calculations for $\Delta m < 10$ neV at ESS (range 0.06 – 10 neV). We will also include Linus to the author list from Lund.
- Meanwhile, Leah can do final editing of the paper text.

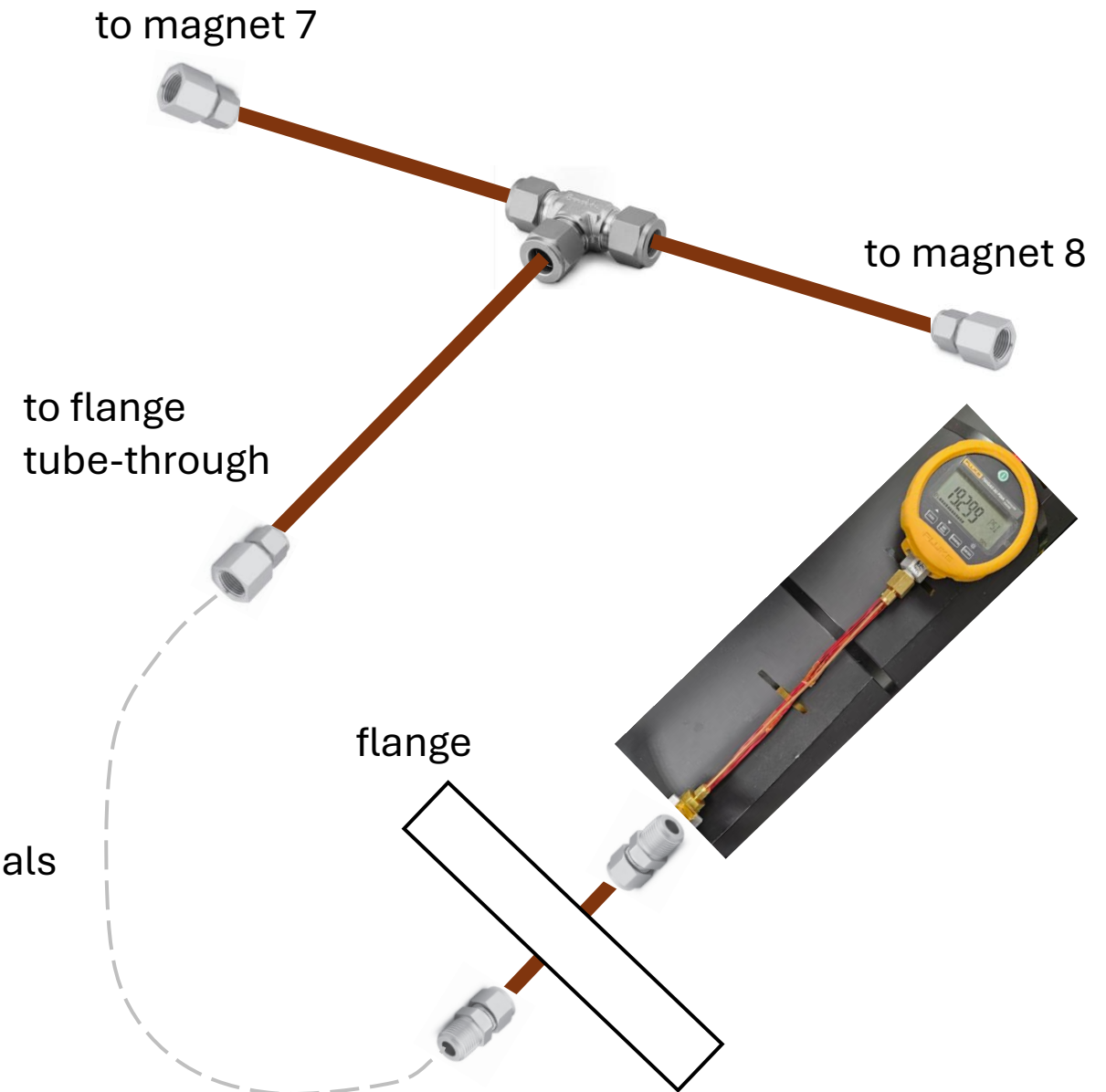
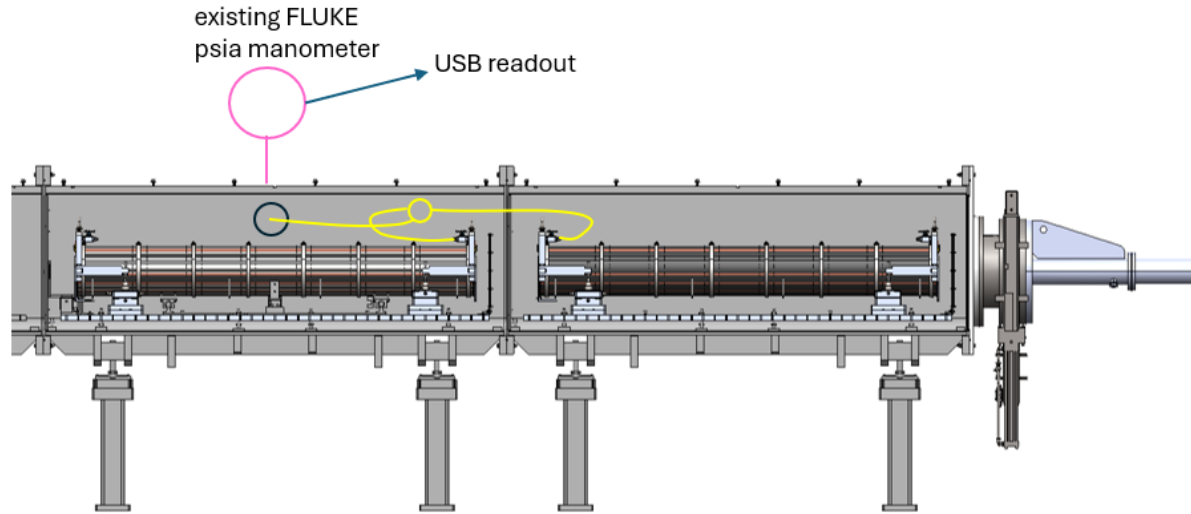
2. Information from Lisa on the magnets availability

Hi Yuri,

I got your email from yesterday/today but I accidentally reported it as phishing. I was trying to forward it onto Arina. I am working on getting an exact date for release. Power is finally back on and you can imagine the amount of work going on. I am hopeful to have a date for you soon.

Lisa

3. New configuration for pressure measurements in nTMM



- as proposed by John
- precision FLUKE manometer exists
- will need to prepare readout from USB port
- Connor Cambria and Shaun will work on that at UT
- Need to construct a new flange with tube-through
- Will need Leah's help with buying construction materials