

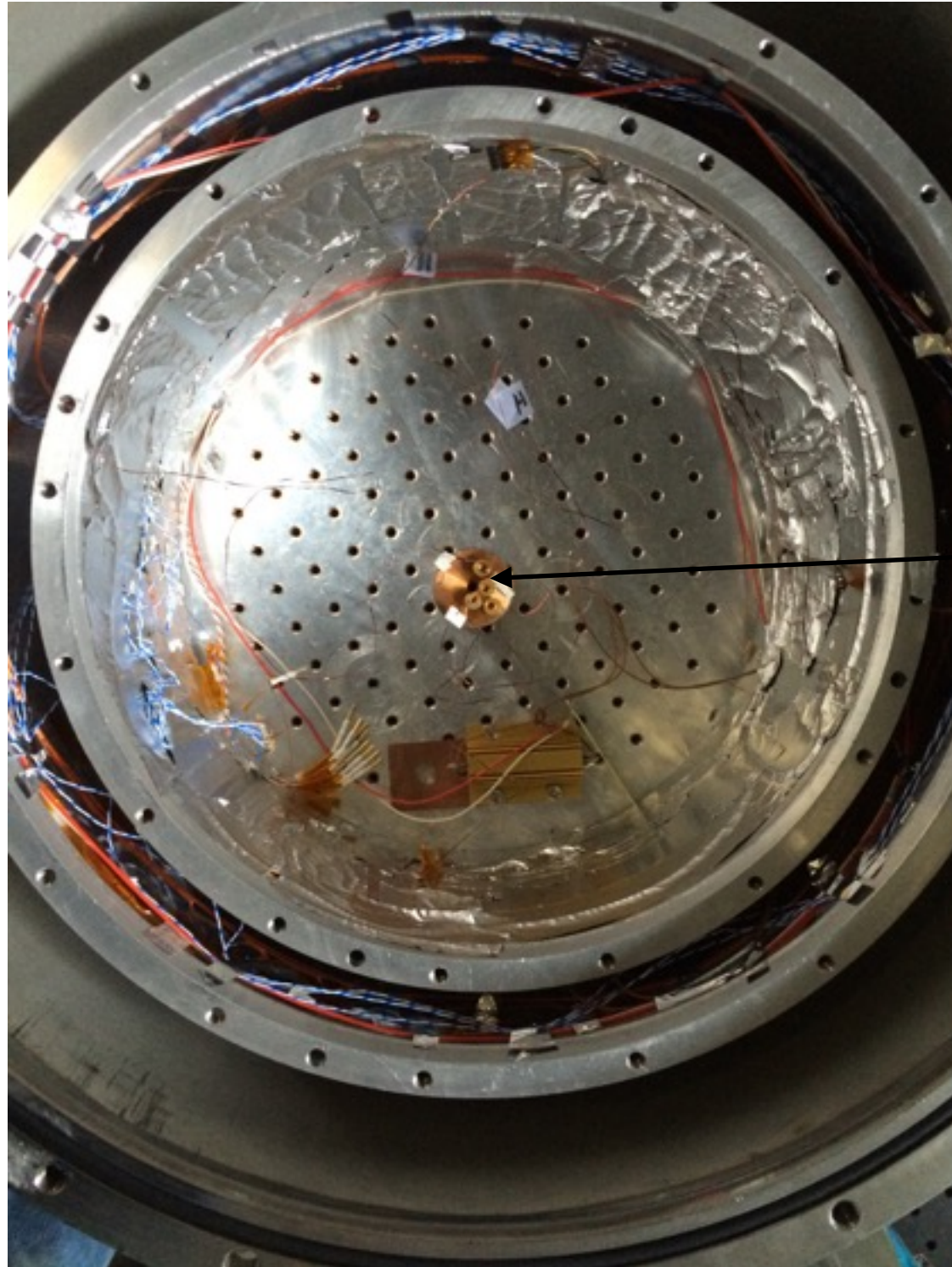
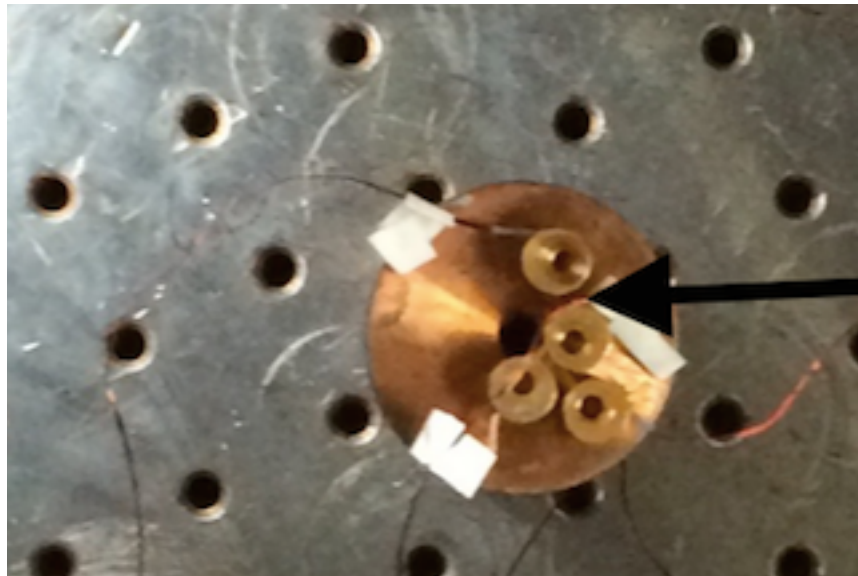
My work in 2016

6-2

Hiroki Tanaka

Calibration test

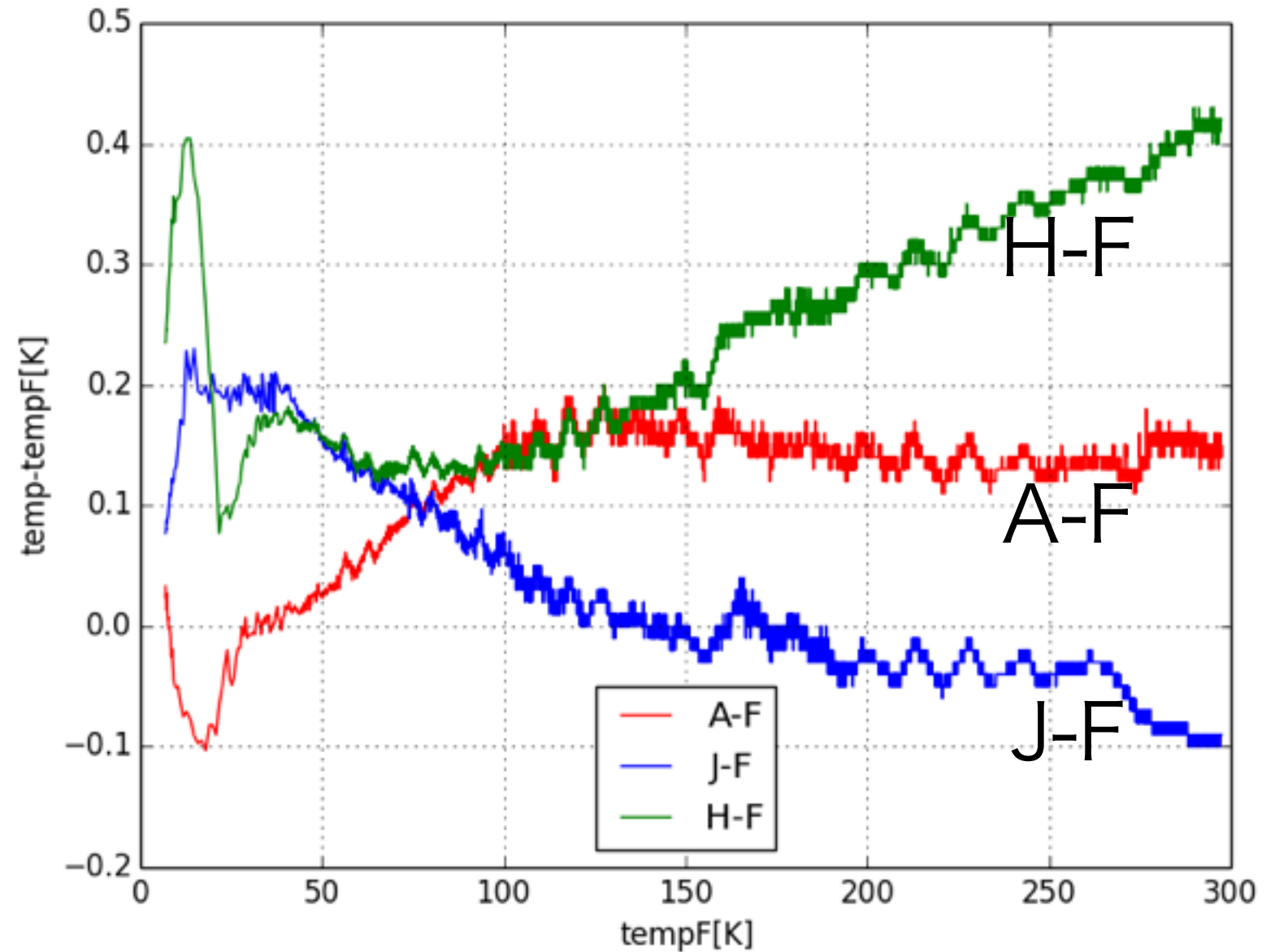
I started to cool down the cryostat.



sensors
A,F,H,J

Calibration test

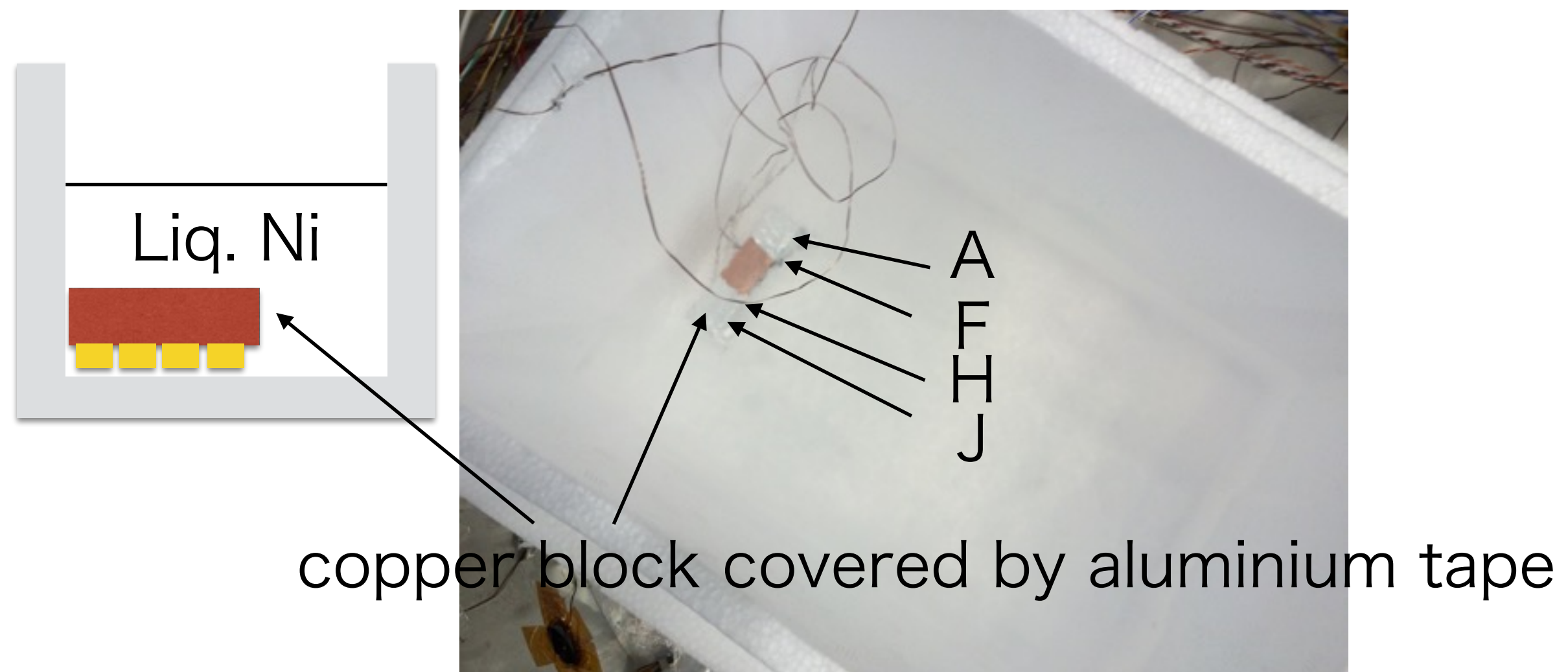
tempA,J,H-tempF



tempF[K] (Calibrated)

Calibration by liquid nitrogen

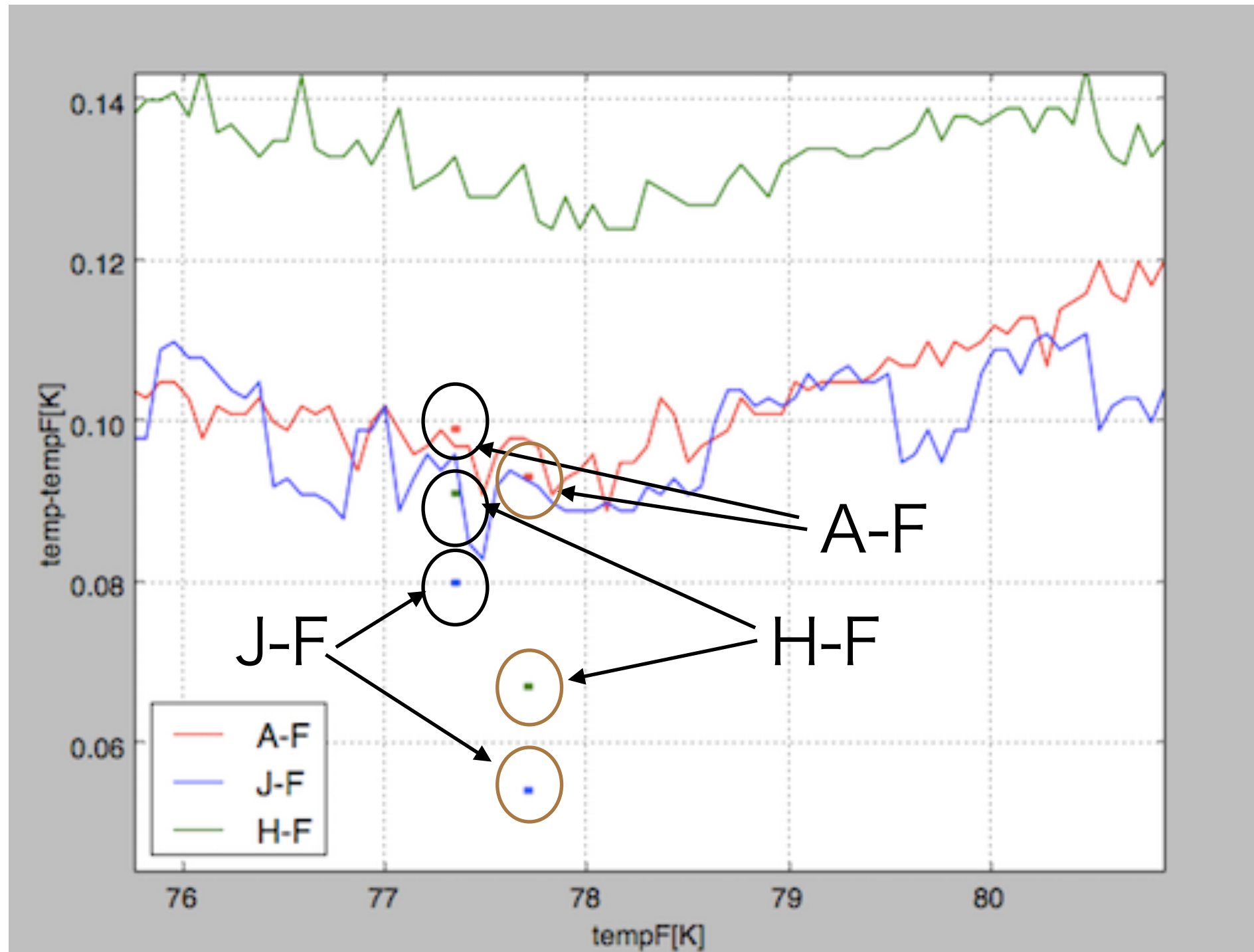
Tomaru-sensei brought the liquid nitrogen to ICRR.



Calibration by liquid Nitrogen

- First we used LS218.
- Next we used the current supply and the multimeter instead of LS218.

Calibration by liquid Nitrogen



by LS218

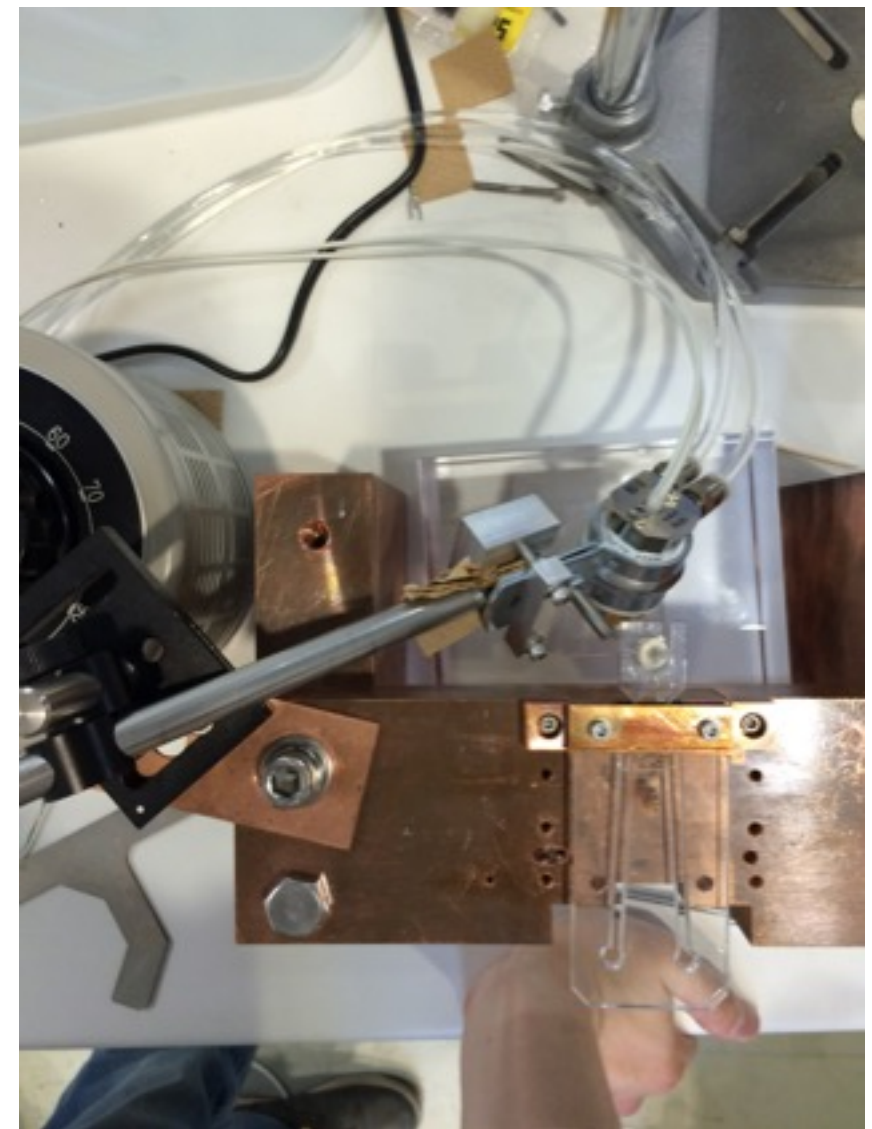
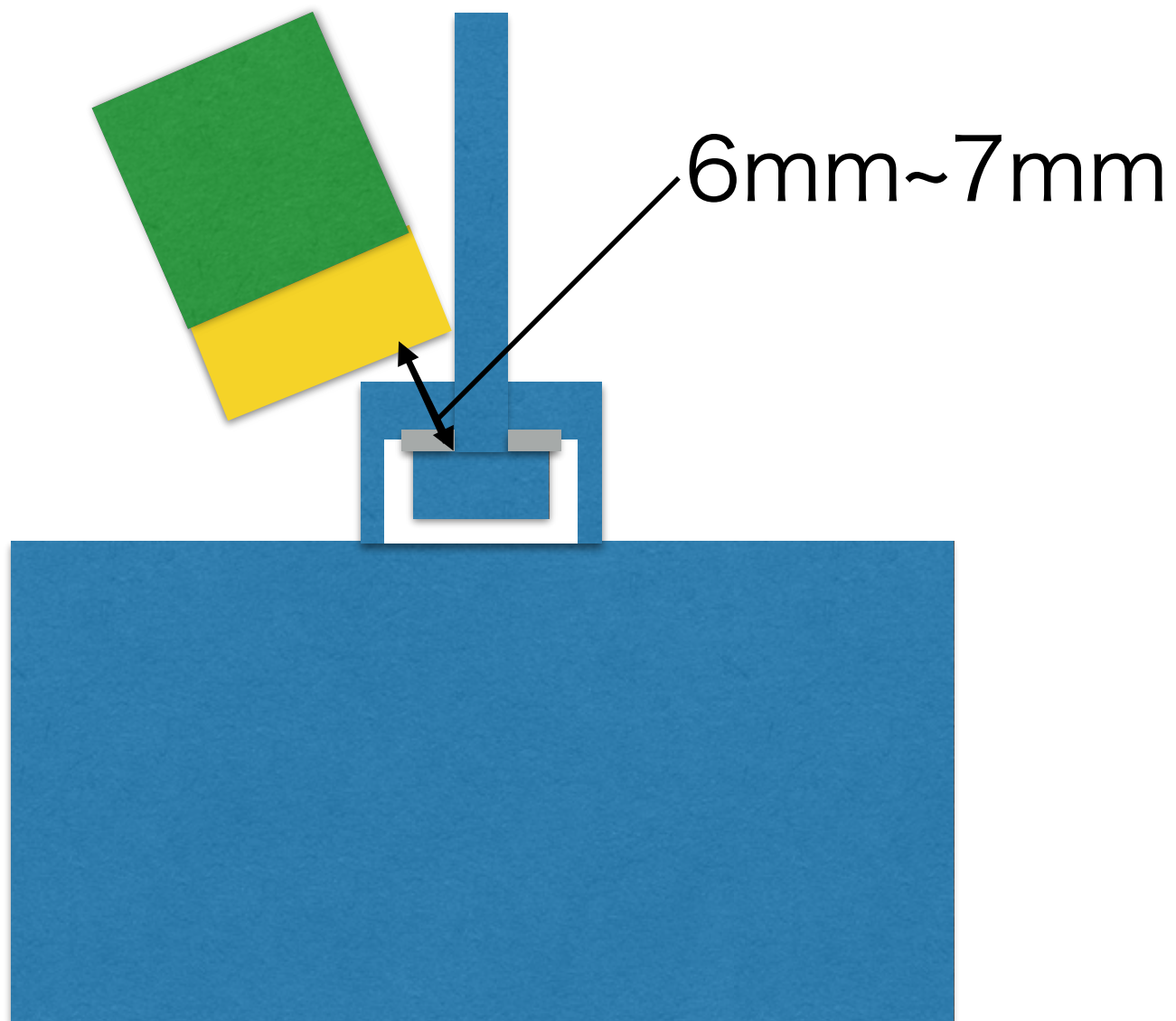
6 by measuring voltage

Conclusion

- In case of LS218, the temperatures were about 77.3K~77.4K.
- In case of measuring the voltage, they were about 77.6K~77.7K.
- The real temperature of liquid nitrogen is 77.36K, so we decided to use LS 218.

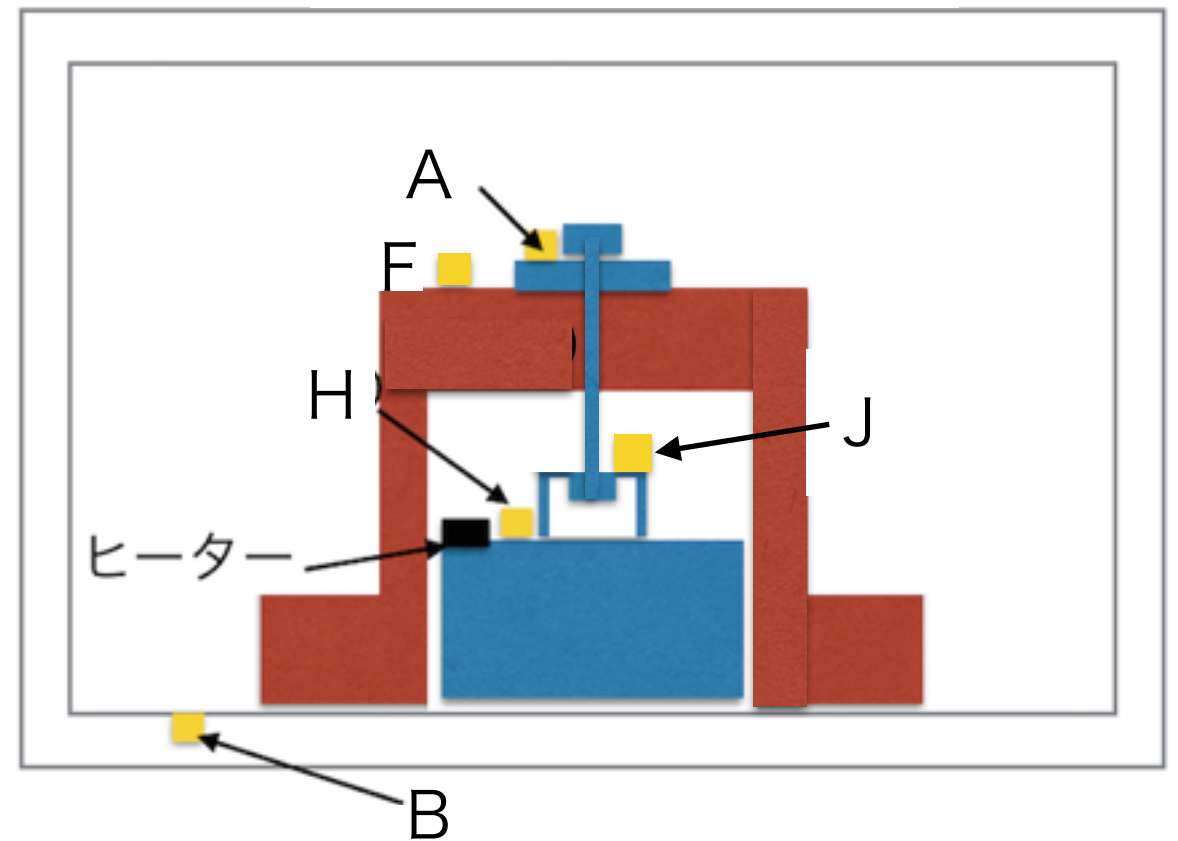
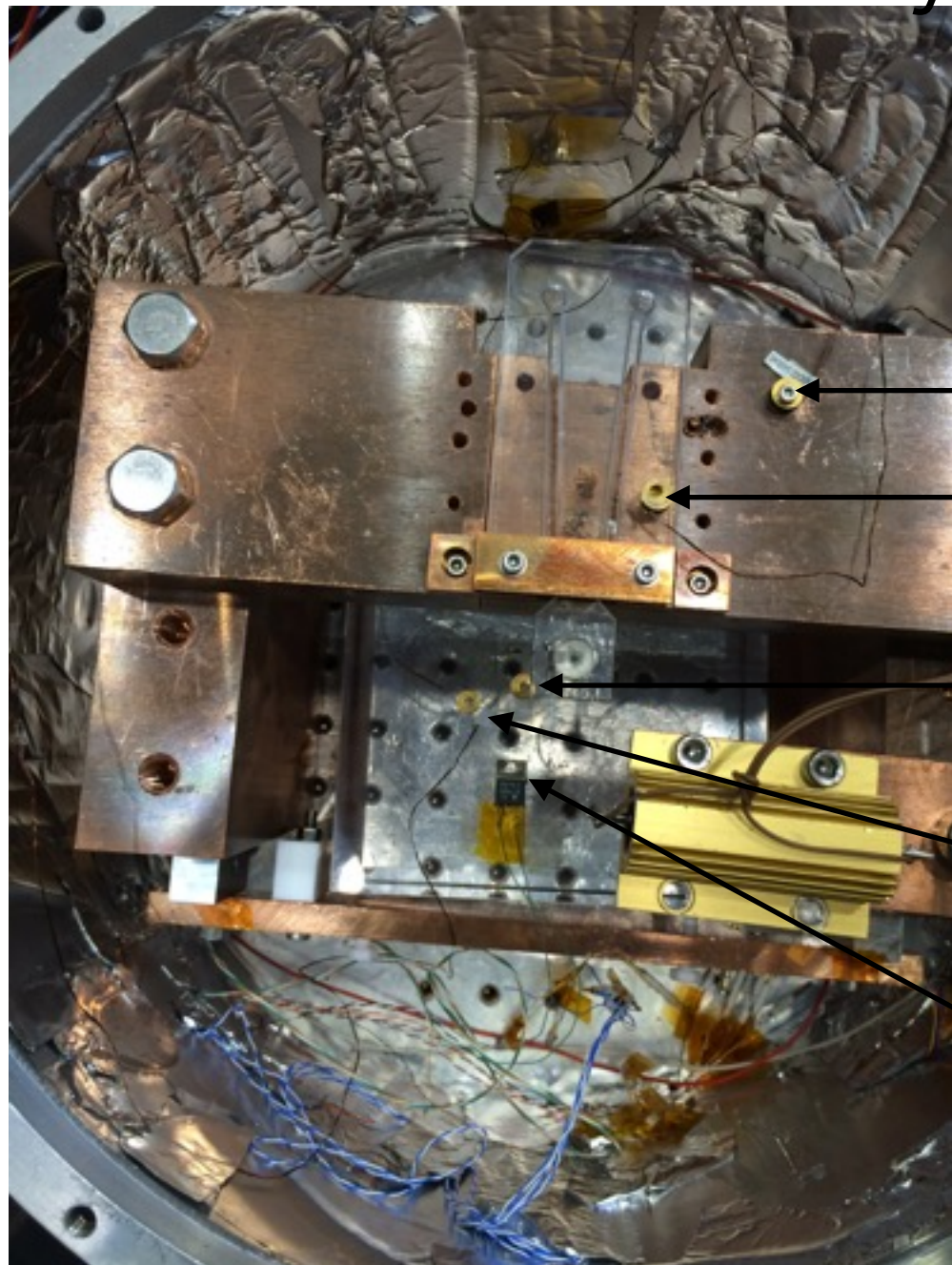
Indium welding

- We succeeded the lower Indium welding.



Heat load test

The cryostat is cooling down.

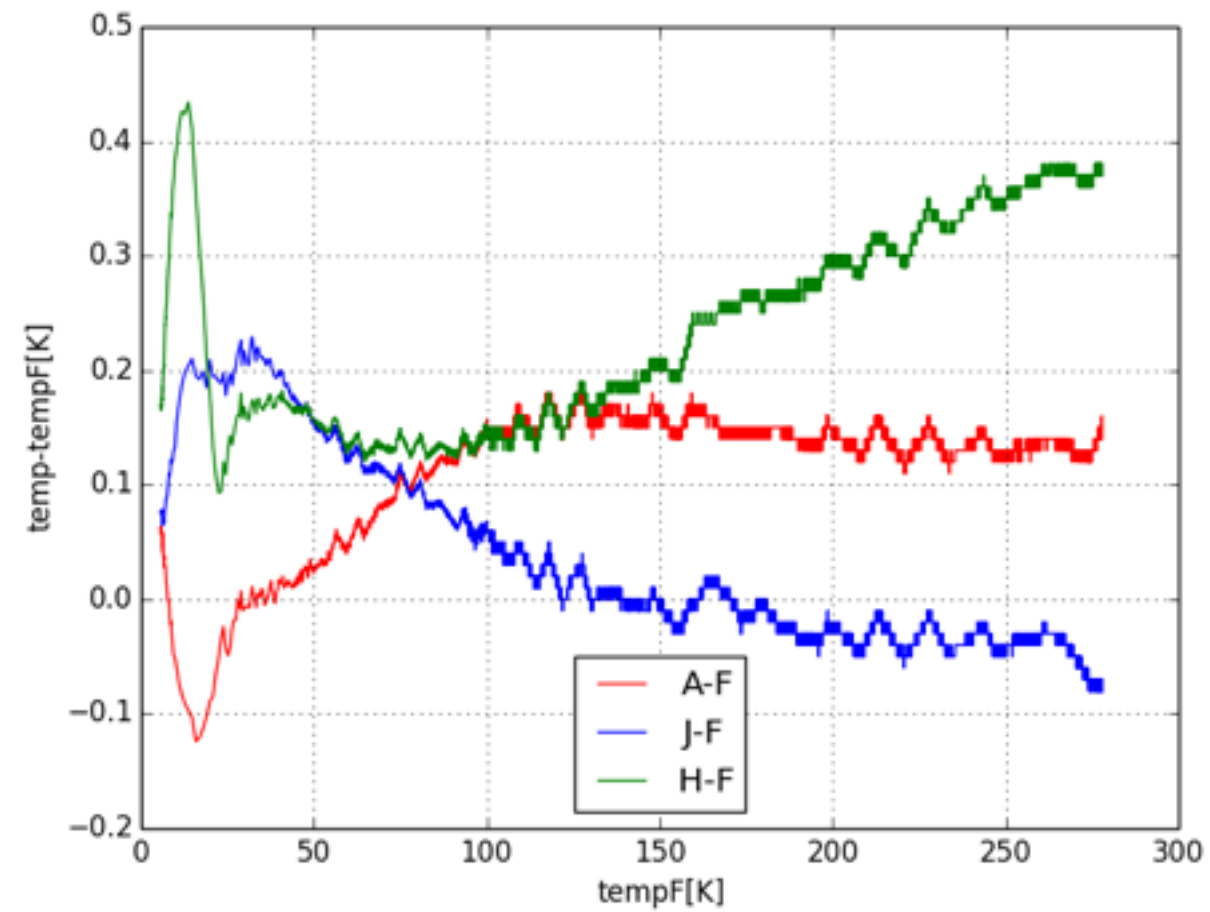


Future work

- I will start the heat load test on Thursday.
- After this test, we will start the Q measurement of one fiber prototype again.

calibration

cooling



warming

