My work in 2016

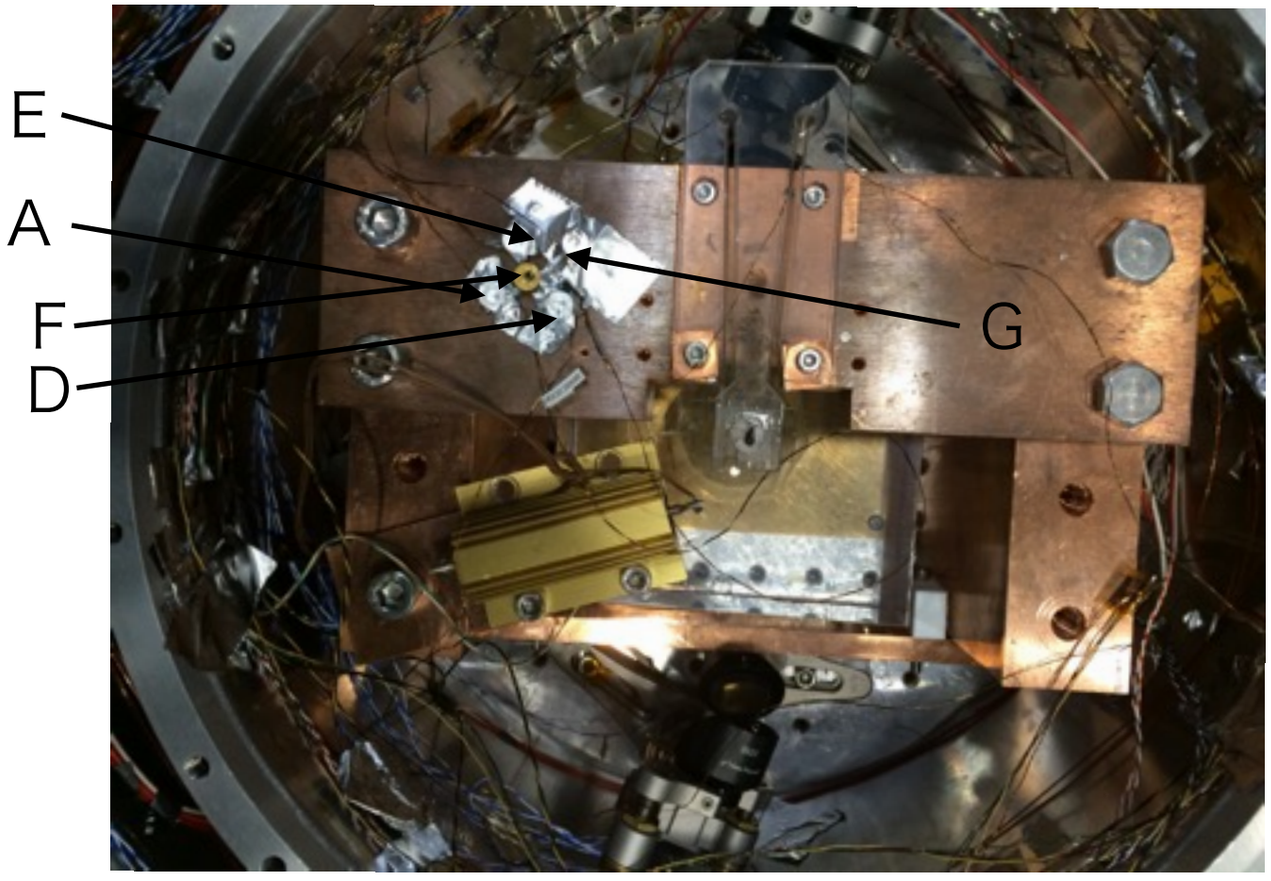
3-1

Hiroki Tanaka

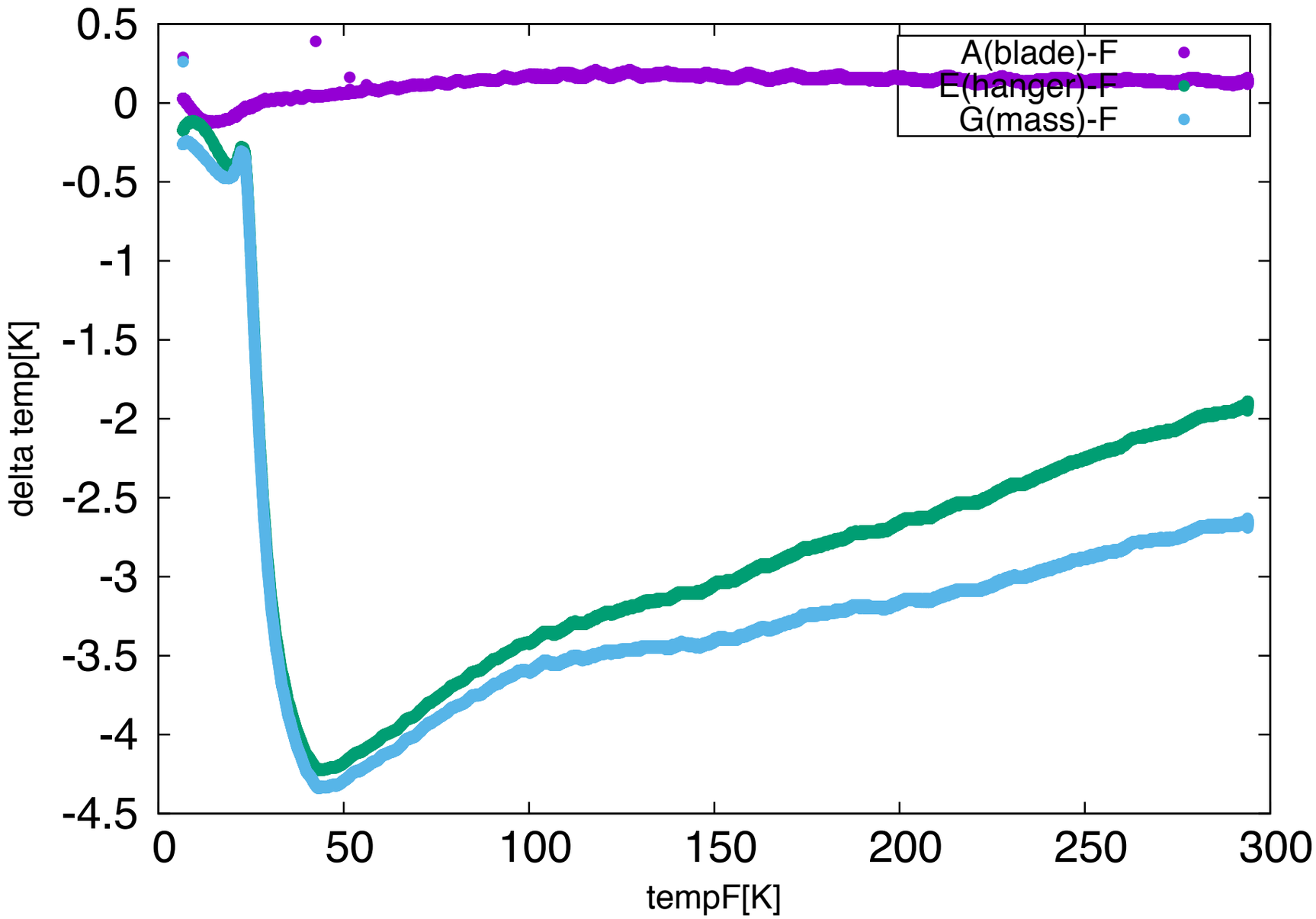
heat load test

- We made the calibration of all sensors (D was broken).

temperature sensor calibration



temperature sensor calibration

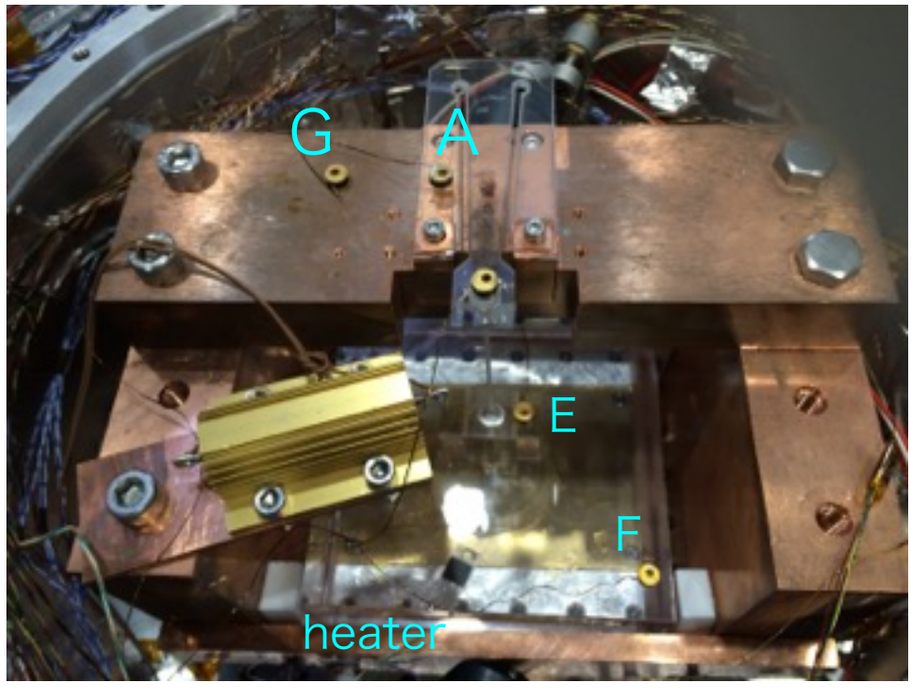


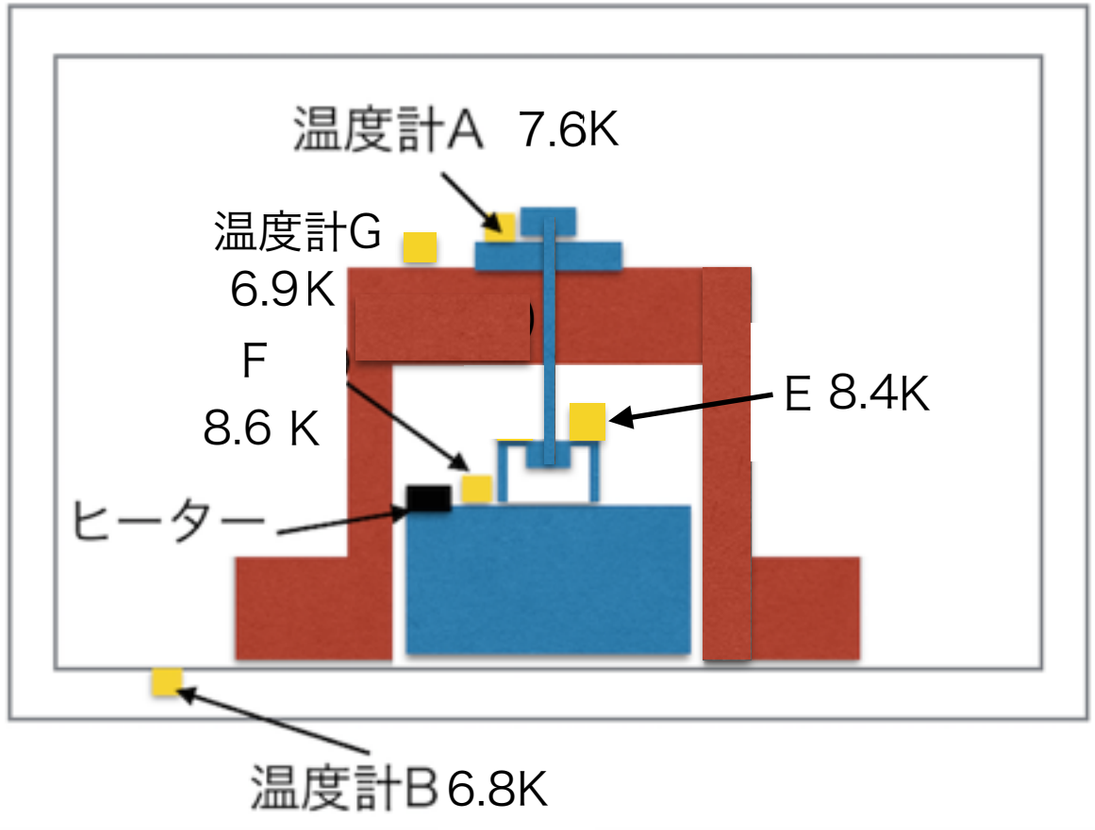
heat load test

- Yesterday (2/29) I was taught how to install the calibration of all sensors into LS 218 by Kieran-san.

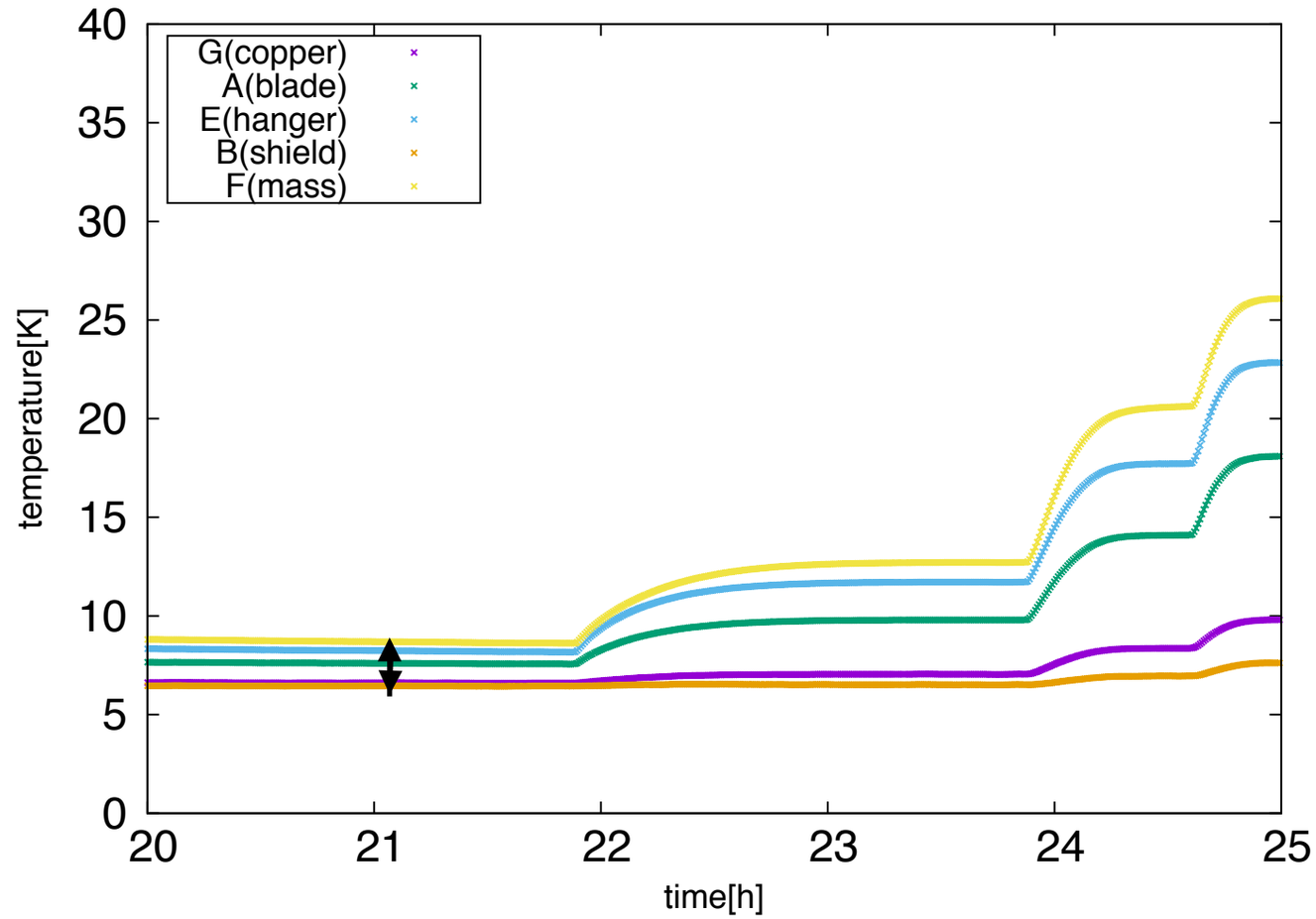
heat load test(8th)

After cooling down





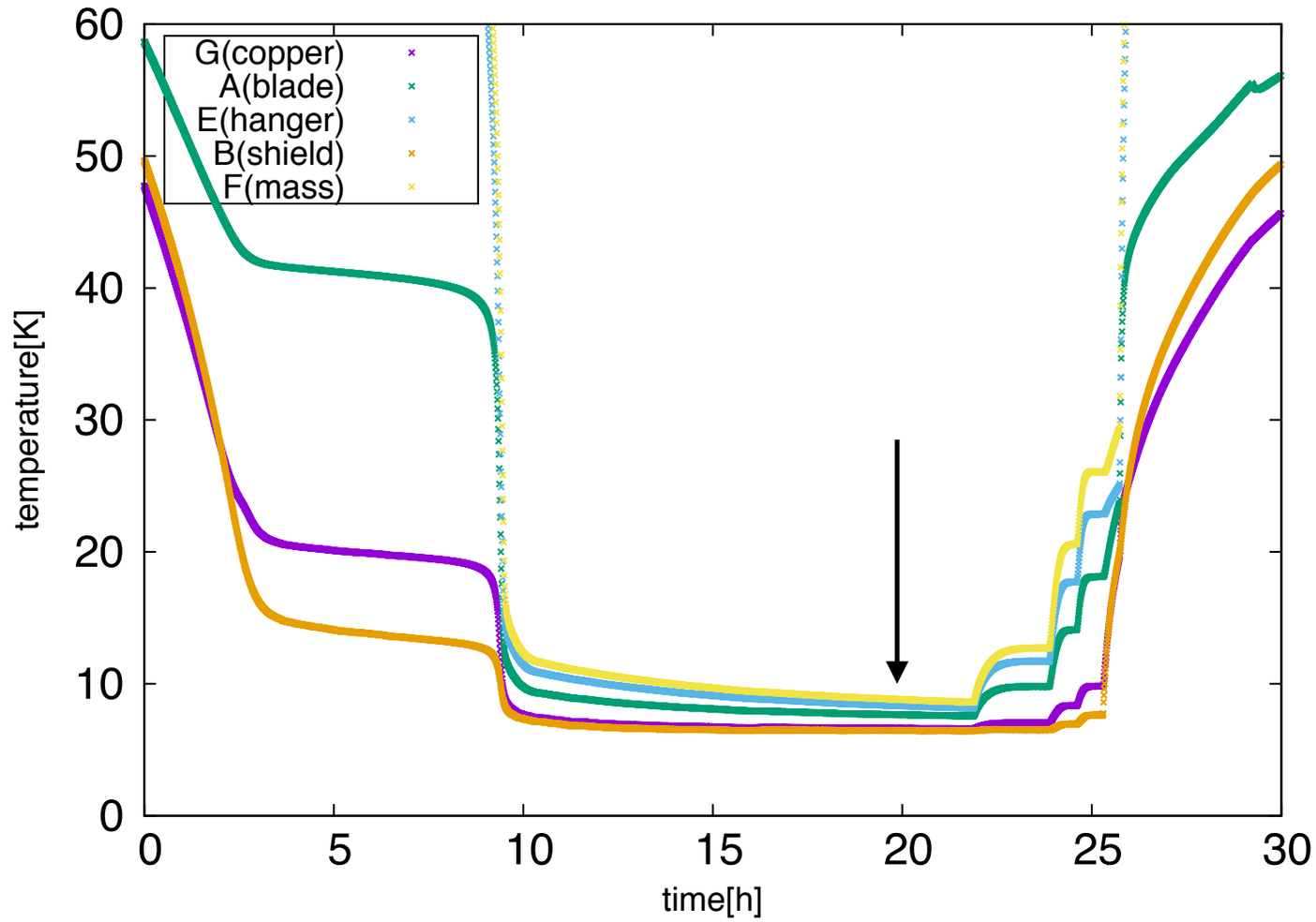
heat load test(8th)



The difference of the temperature of the mass and the shield is as much as 2K.

heat load test(8th)

Kieran-san told me to make the whole graph.
We found the temperature didn't become constant.
The speed was about -0.03K/h (sensor A).

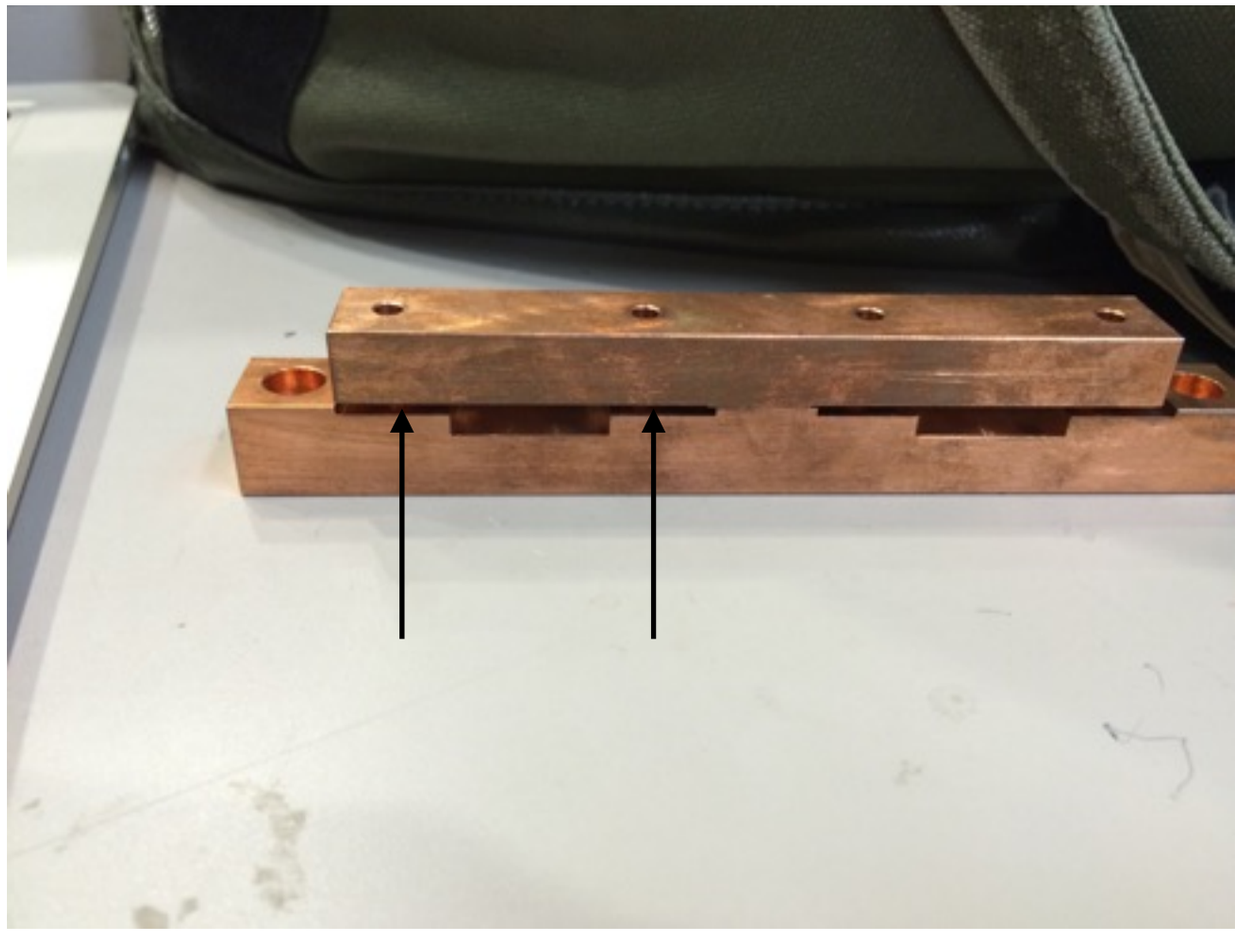


heat load test(9th)

- I am doing the same experiment again.
- I will do the heat load test after the temperatures become constant.

heat load test （10th)

We will change the copper clamp to
the one shown on this page to
reduce the thermal resistance.



heat load test(10th)

- Now the height of the copper clamp is too tall to install into the cryostat.

- I will go to ISSP on Wednesday and make it small.

Future work

- We will install the calibration into LS 218.
- I will make the copper clamp.
- I asked Yamamoto-sensei to purchase the stronger halogen lamp. We will discuss which to buy.