

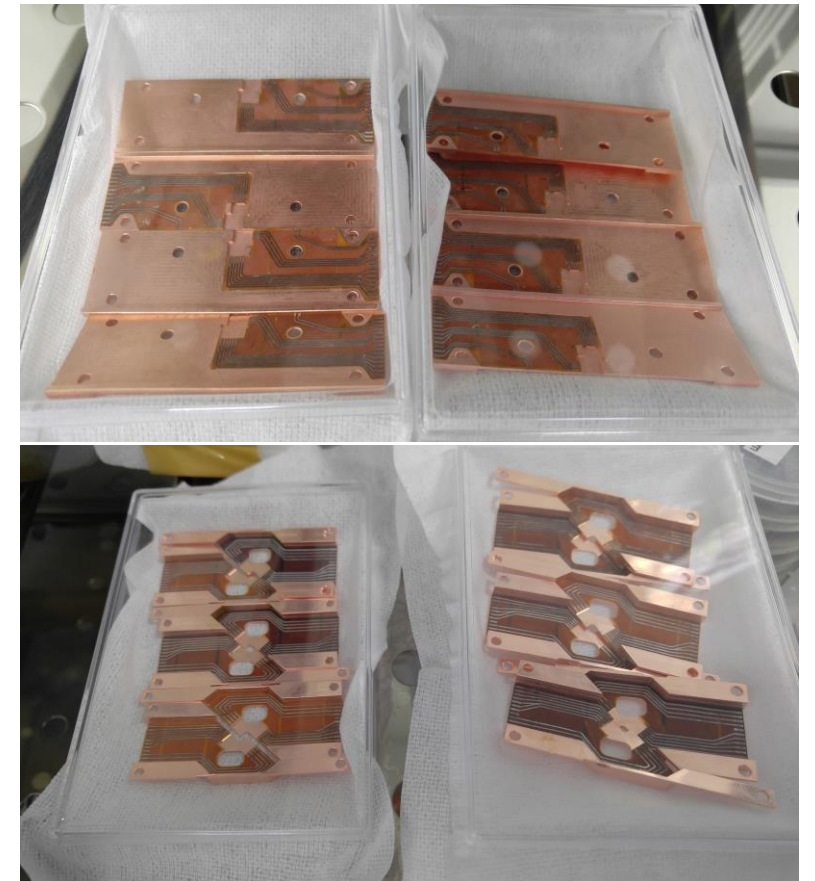
Weekly Report

2019-11-29

Kim, Hanbeom

AMoRE-I Preparation

- Sensor holder: need 18 for phonon and 18 for photon
 - Cleaning
 - PCB attachment – **Phonon (8 done)**
 - Wire soldering – Photon (not students' work)
 - Sensor Chip attachment
 - 4K test

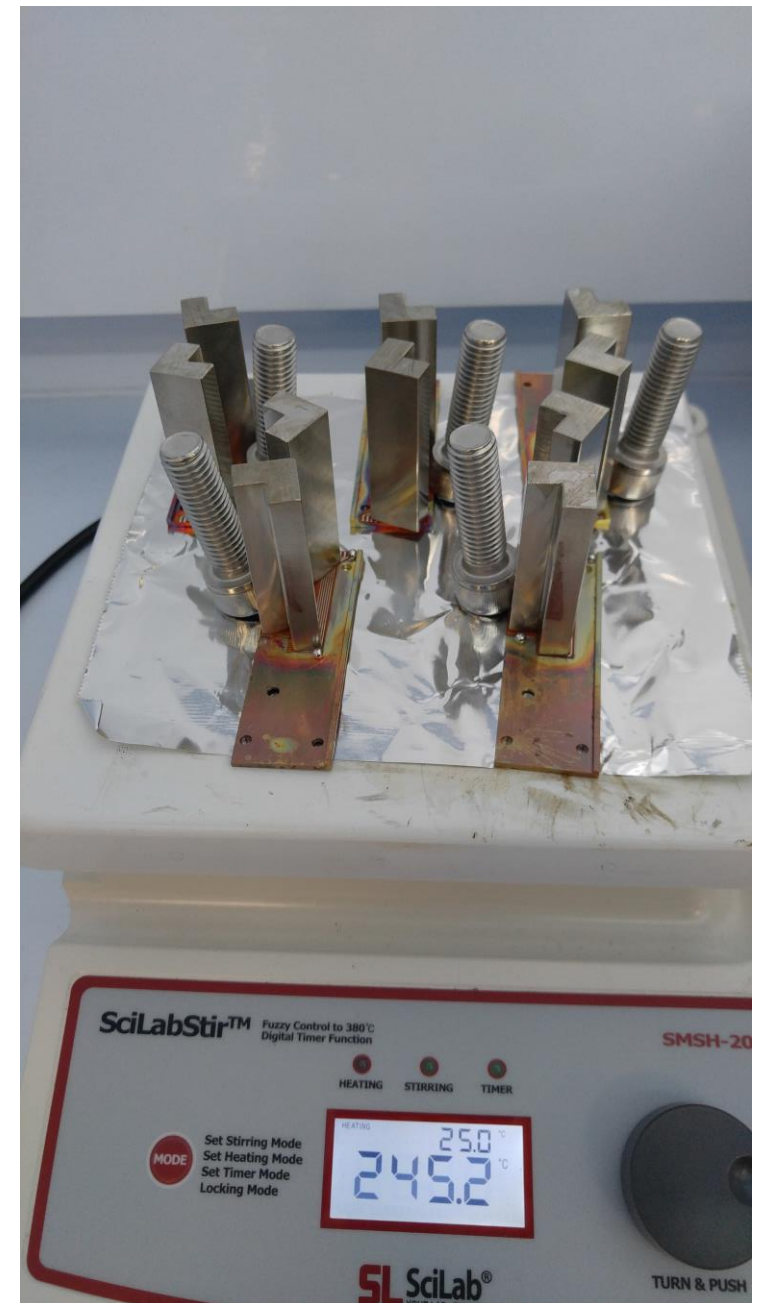


AMoRE-I Preparation

- Cleaning:
 - Acetone (ultrasonic)
 - Citranox: to deoxide copper
 - Acetone – IPA – D.I. water (ultrasonic)
- Before AND after PCB attachment
- (Same procedures for all NOSV components)

AMoRE-I Preparation

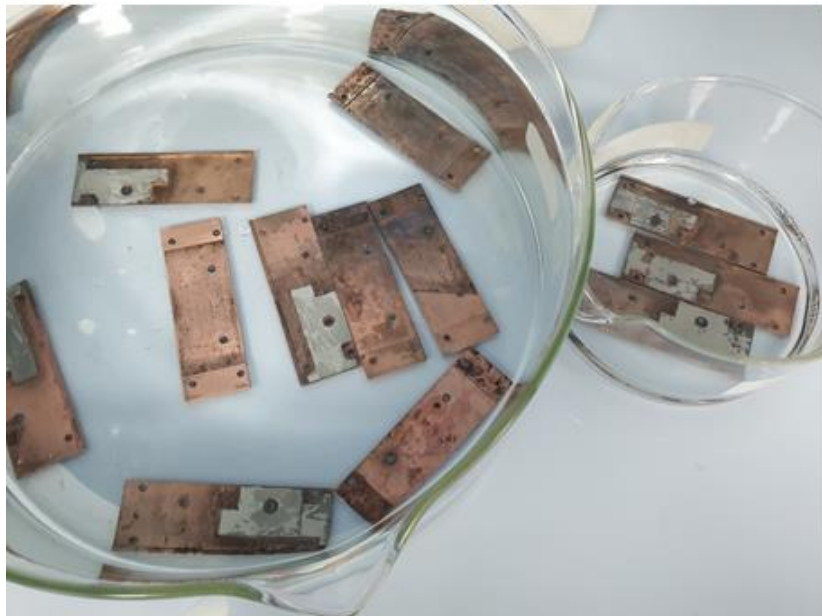
- PCB attachment
 - Lead soldering (clean lead, on the both sides of PCB)
 - PCB cleaning (Acetone-IPA-D.I. water)
 - Attachment on hot plate



AMoRE-I Preparation

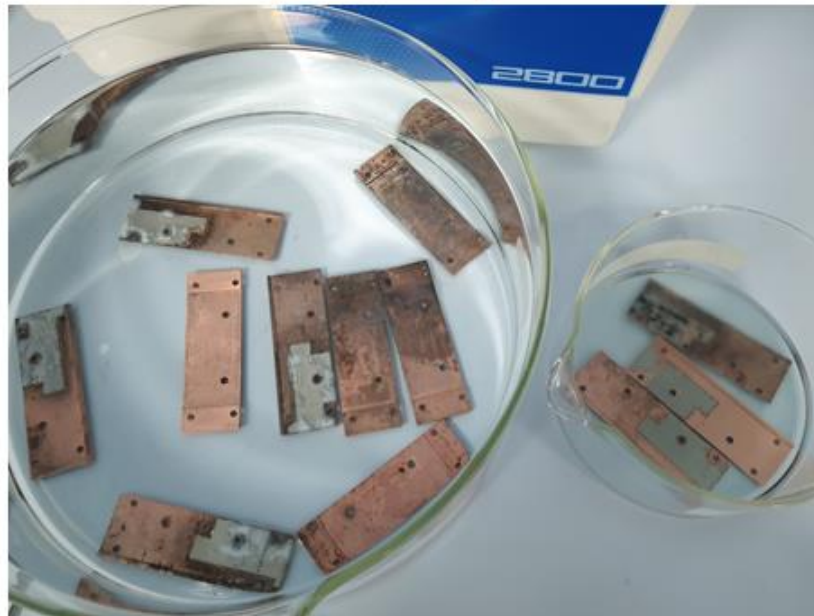
- 2 weeks ago, phonon PCB attachment was done once, but some turned black. It was thought that it had been caused because PCBs had not been washed.
- PCBs were detached and washed in Citranox solution.

Detachment phonon



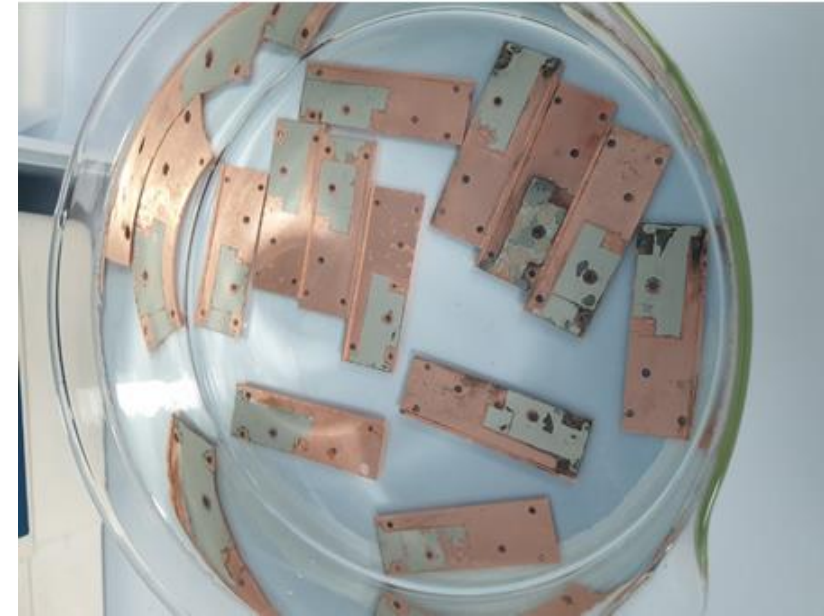
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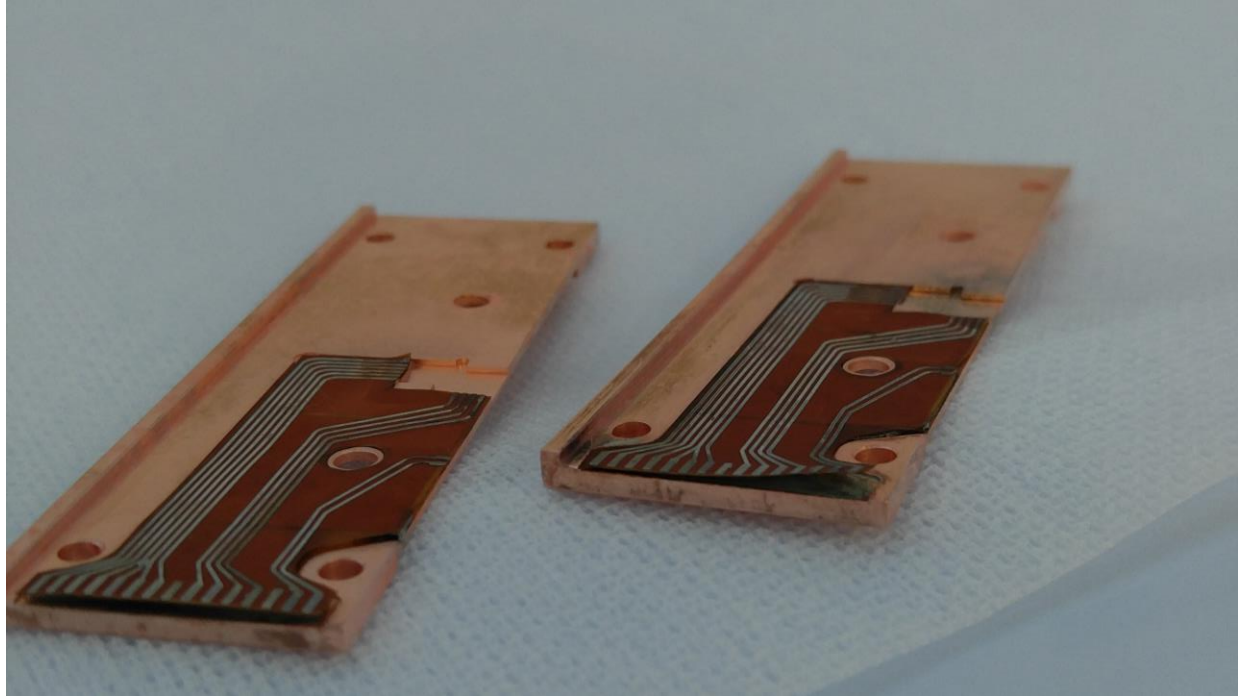
After 2 days



Weekly Report

After 5 days





AMoRE-I Preparation

- We may make new order for phonon holders.
- The schedule has been delayed 2~3 weeks.
- Photon sensor holder: wire soldering ongoing (chip attachment and 4K test will be on process parallelly.)