

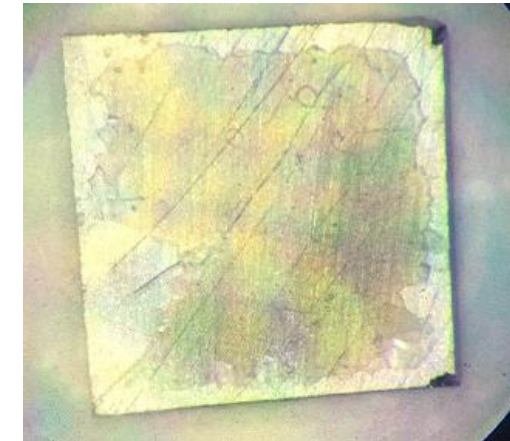
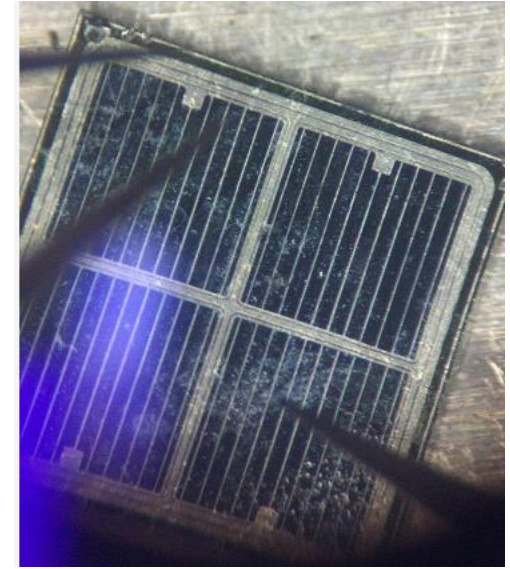
# Sensor Fixation and Liquid Nitrogen Testing

Tan Yuhang, Shi Xin  
[tanyuhang@ihep.ac.cn](mailto:tanyuhang@ihep.ac.cn)

2019.6.27

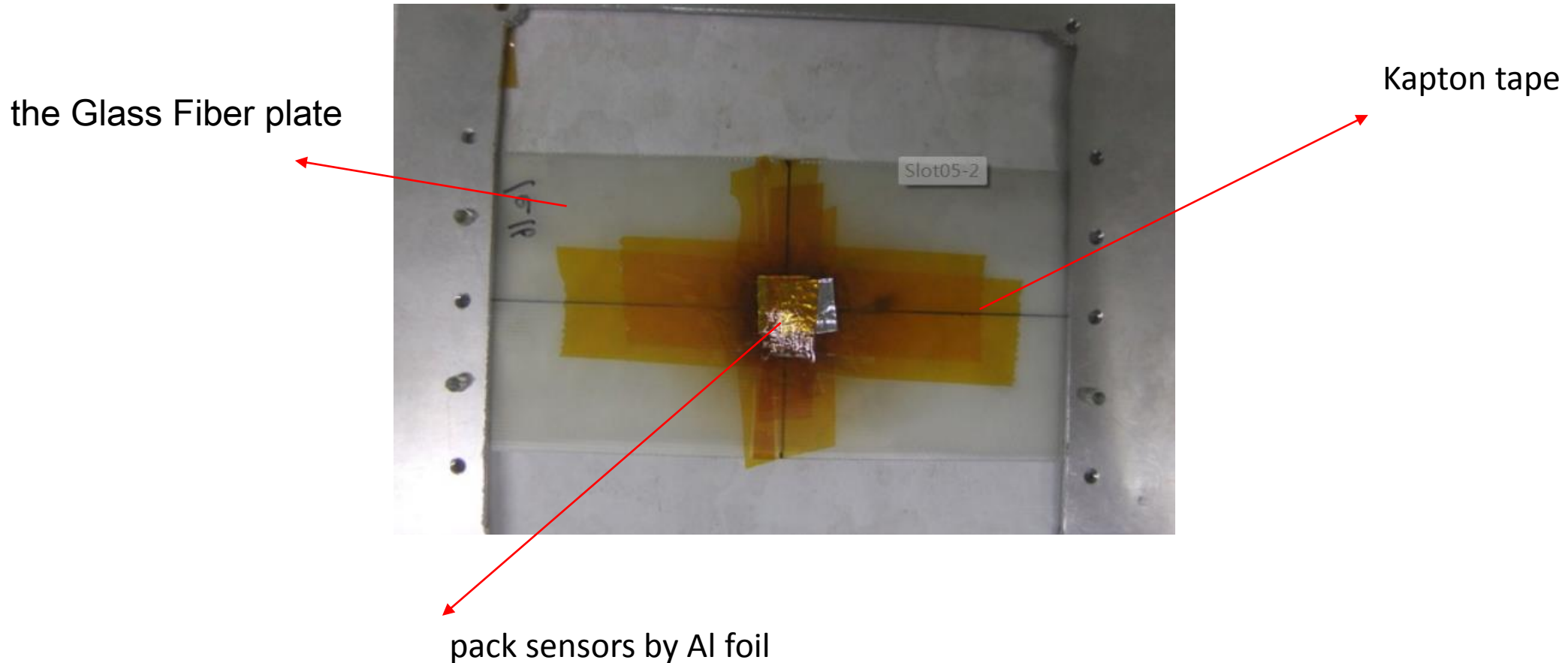
# Sensor fixation

- This week I used glue again to fix the sensor.
- After gel remover, there is still a lot of glue on the sensor surface.
- I can't measure the I-V.
- The reason may be that the glue on the back of the sensor has not been removed.

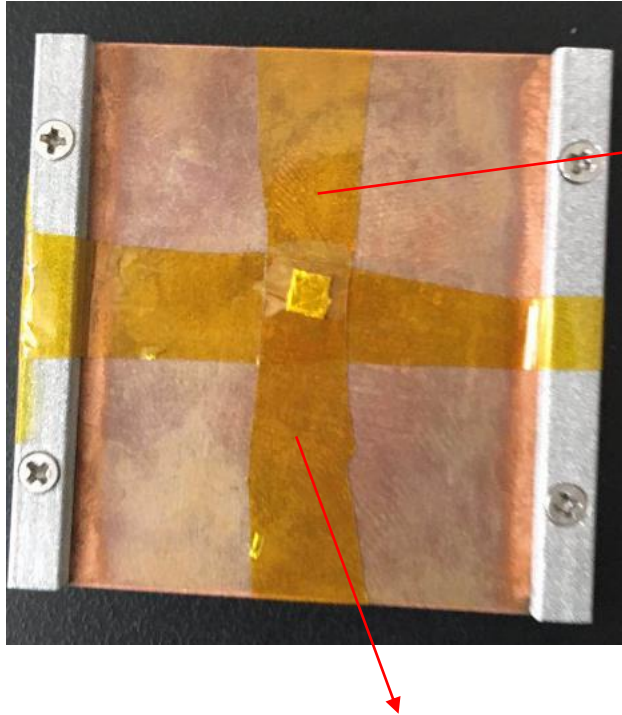


## Another method: Use Kapton tape which use by Koji

The status after irradiation

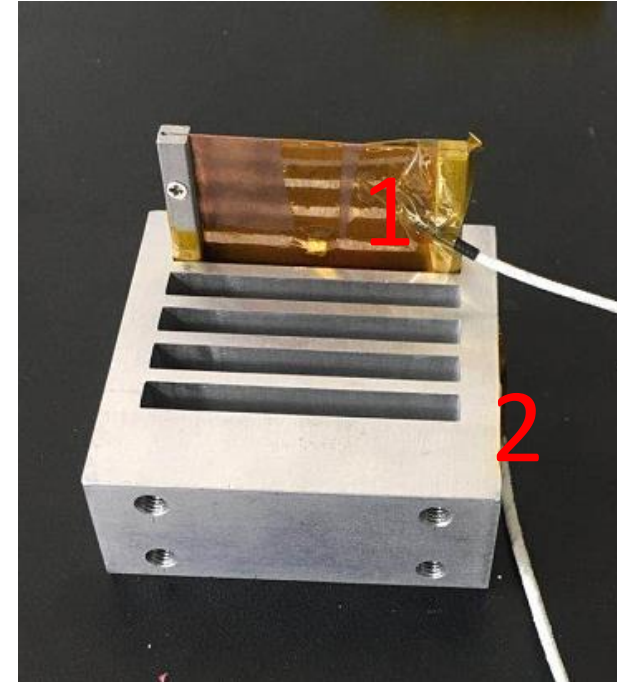


## Another method: Use Kapton tape which use by Koji



Kapton tape

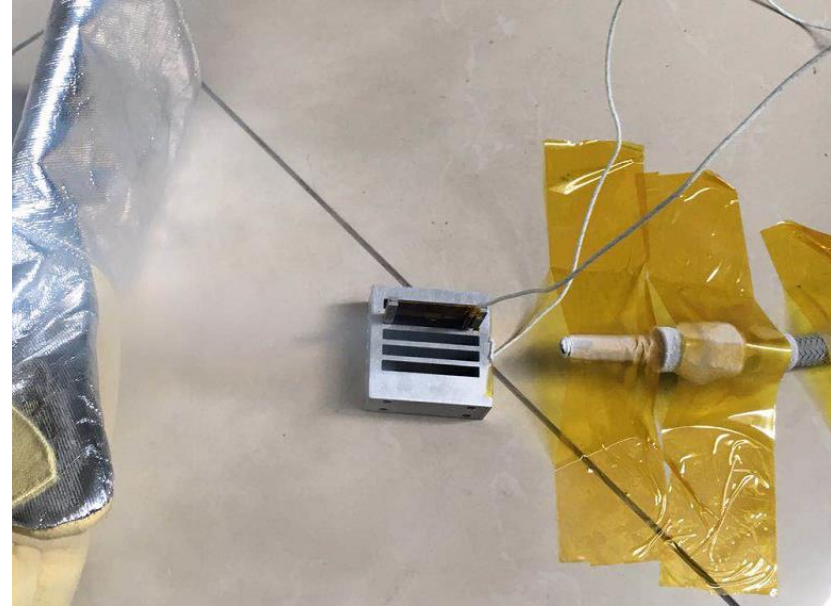
pack sensors by Al foil to protect the sensor



Irradiation device

Measure 2 point temperature to  
take liquid nitrogen test

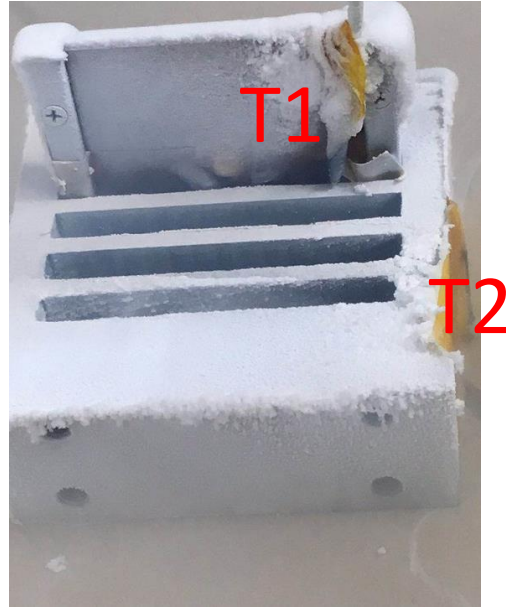
# Liquid Nitrogen Test



1. We borrowed a liquid nitrogen tank about 30L
2. Right picture is a simple test of work temperature and usage time



# Liquid Nitrogen Test



1. If temperature control at -10C, liquid nitrogen can work two hours
  - We need about 8 hours. Prepare to design closed box and temperature control device
2. T1, T2 temperature is not much different
3. The sensor is packed in aluminum foil to protect sensor.

# Plan

- Mechanical structure test
- Start irradiation experiment