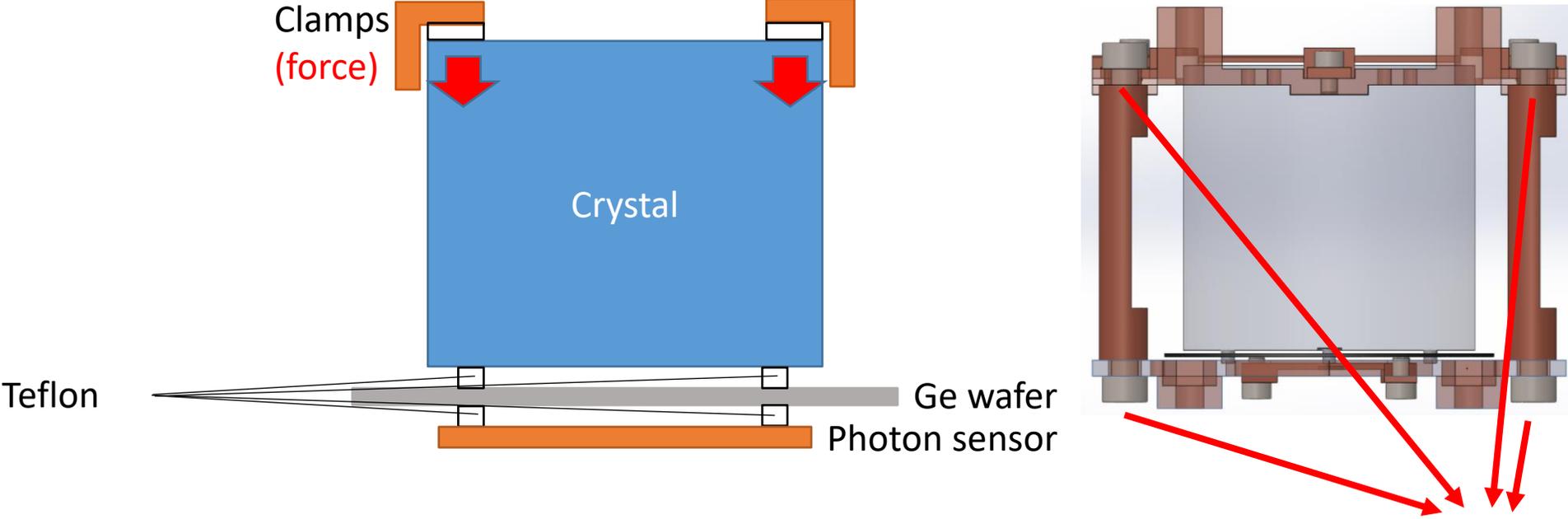


Weekly Report

2019-11-08

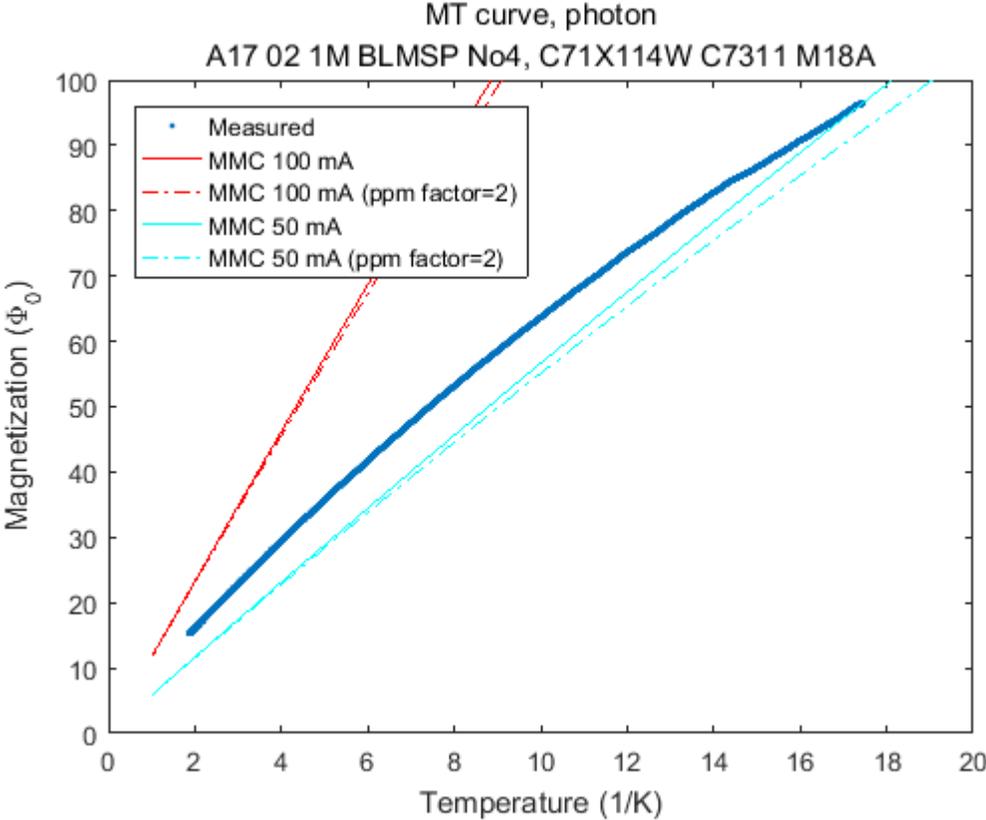
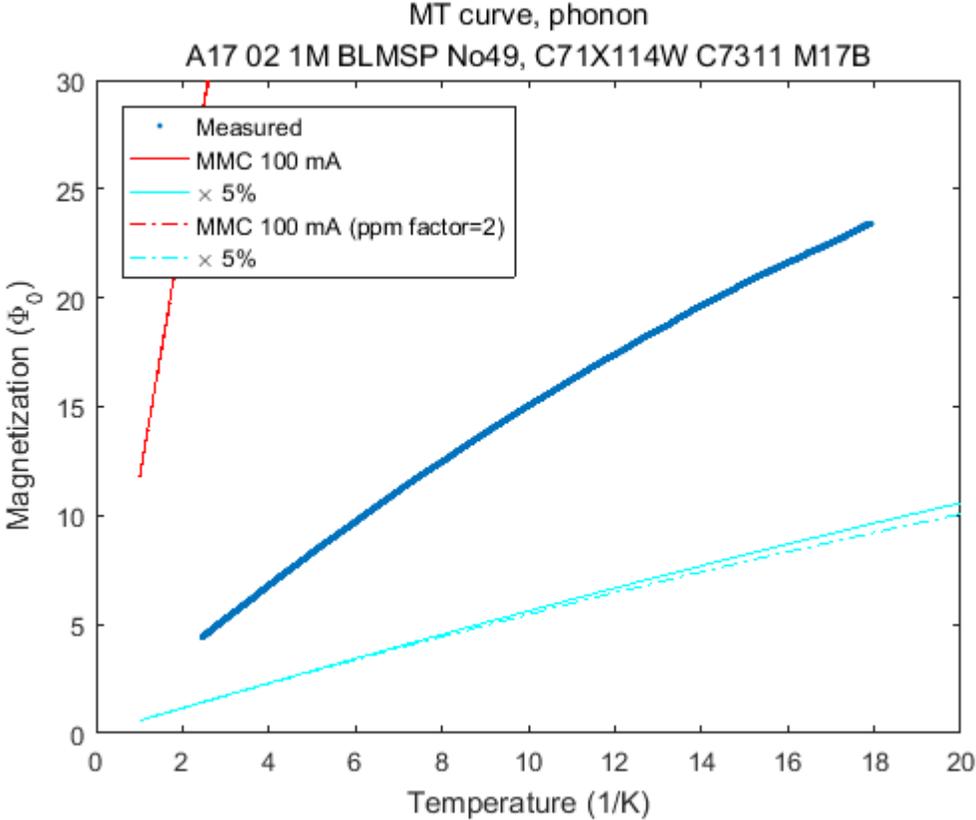
Kim, Hanbeom

Detector Design re-test



In the last test, there was large temperature fluctuation, expected to be caused by mechanical vibration.
(lack of washers)

Detector Design re-test



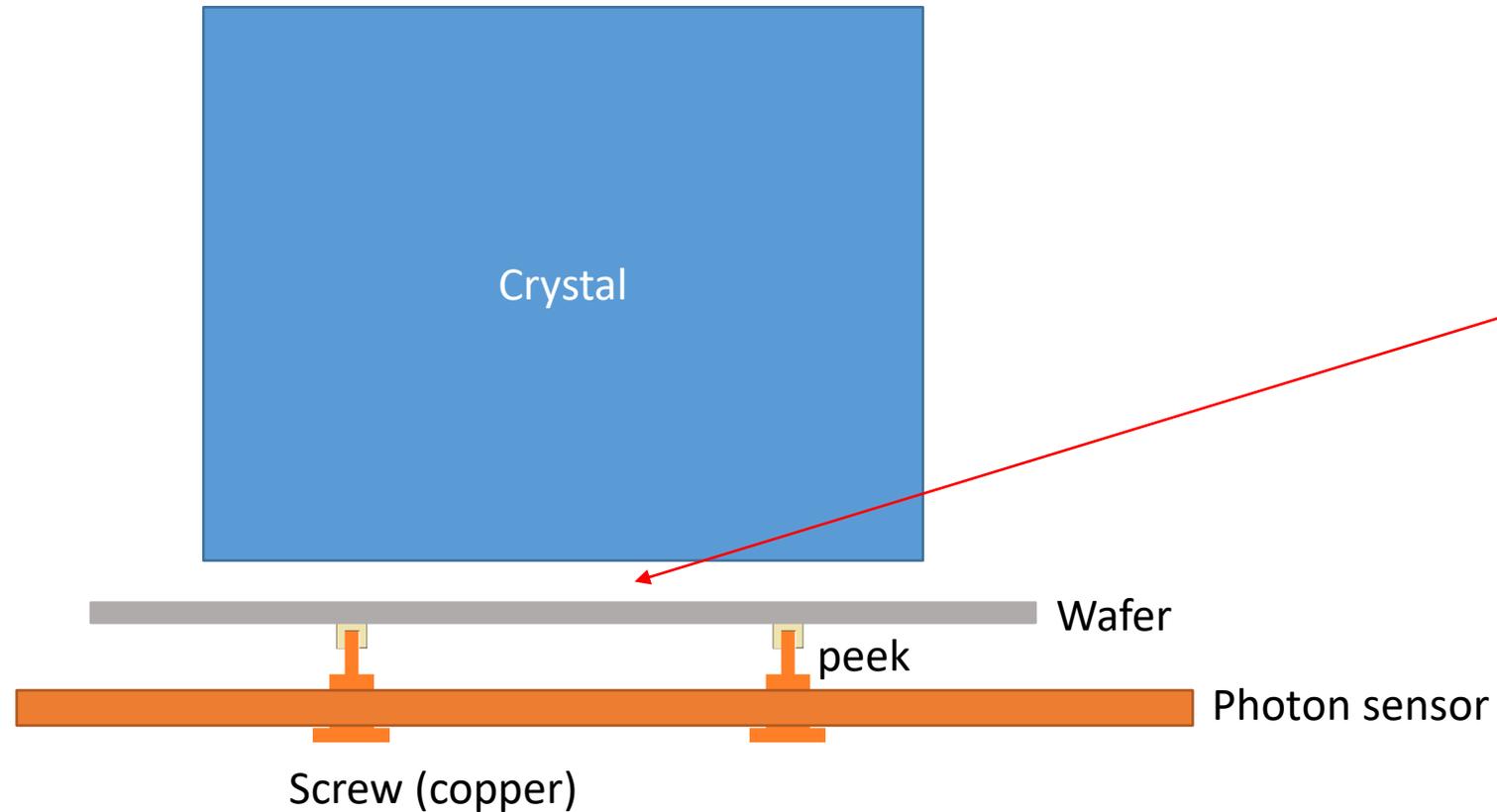
(MMC field current was given 100 mA.)

Detector Design re-test

Current base temperature: ~ 28 mK, but its fluctuation is large

Now we are trying to do 30 mK PID. If it does not work, we will perform 40 mK PID.

Photon sensor design

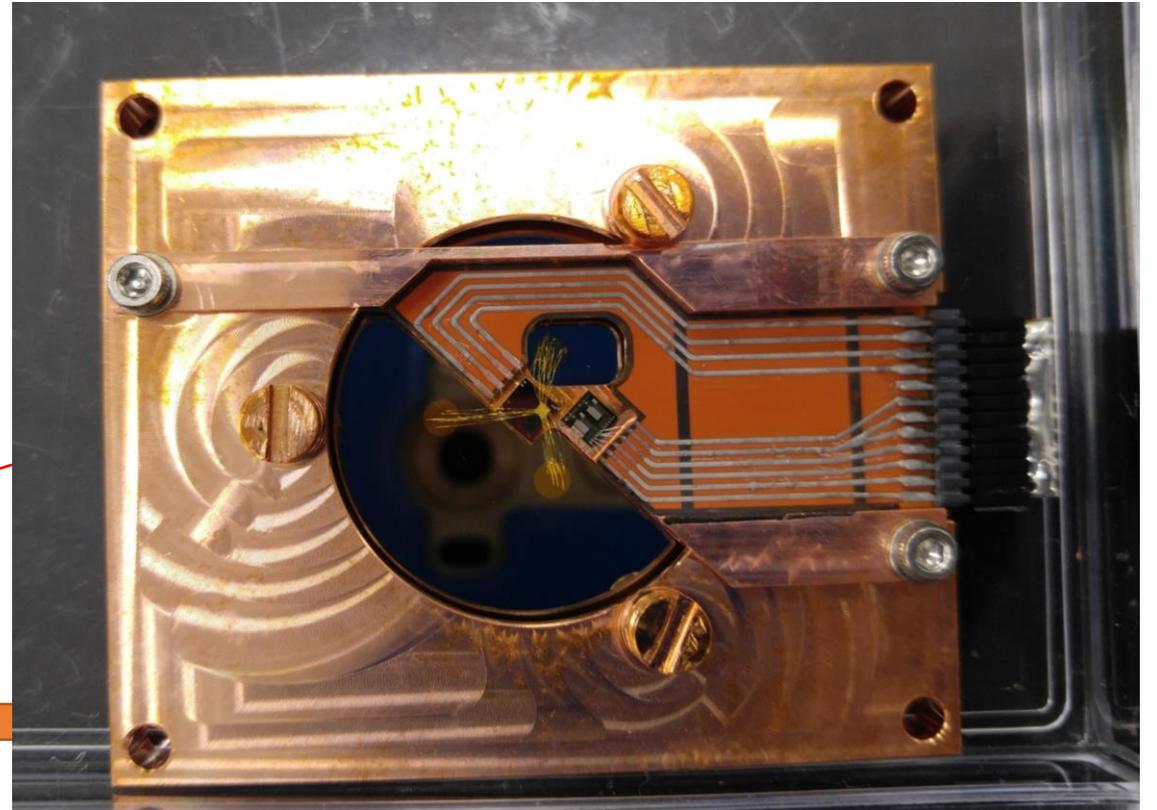
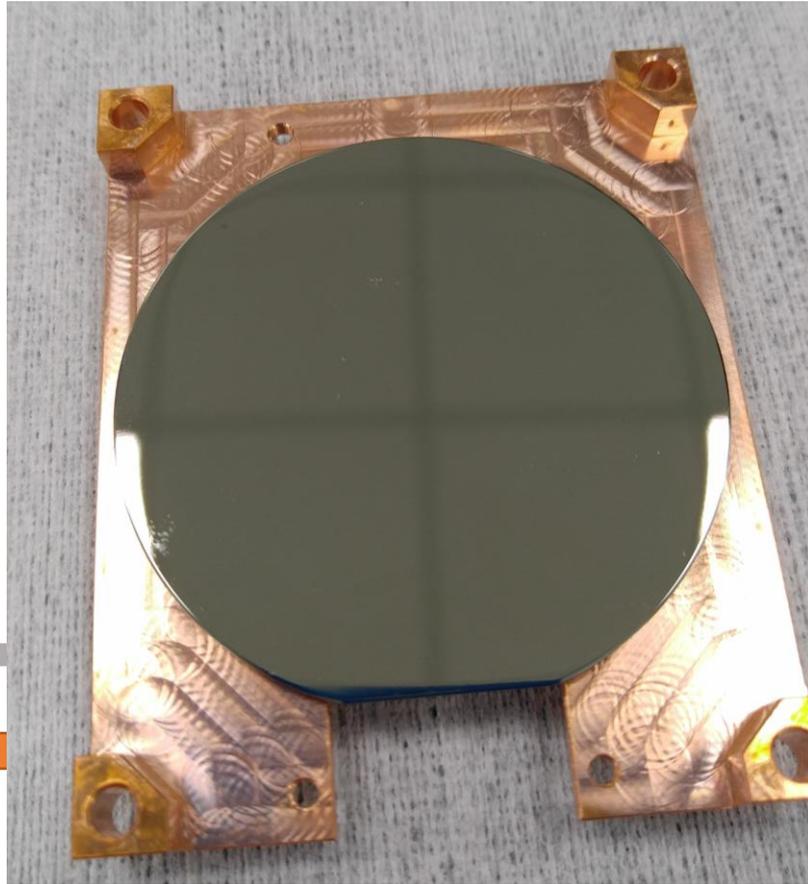


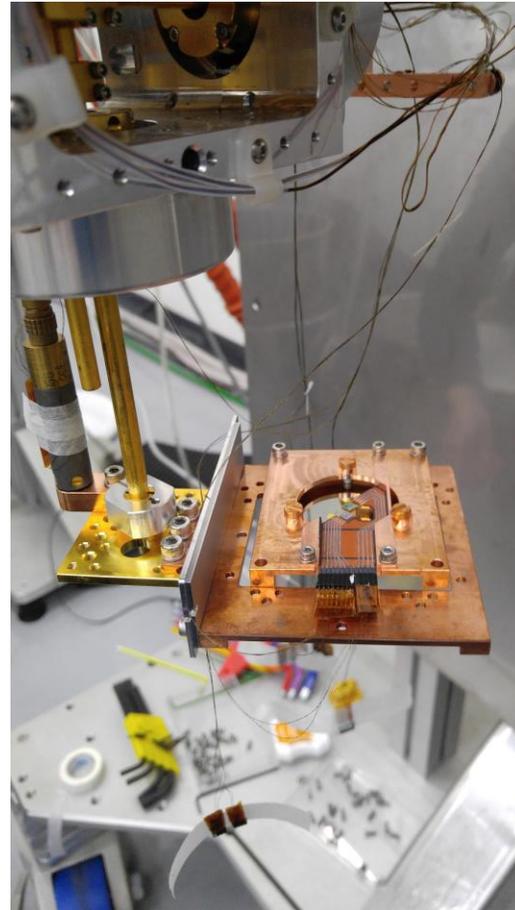
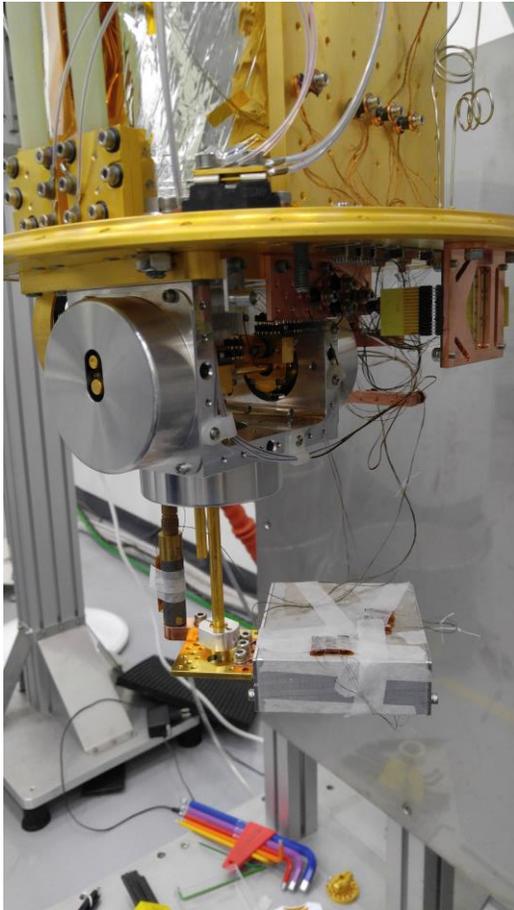
Use araldite adhesive to glue
Not connected

Some questions:

1. Thermal contraction
2. (Gold) wiring difficulty

Photon sensor design





11/5:
Installation on ADR & Cooling starts

11/6:
Vibration test
Data collection without PID (Am source)