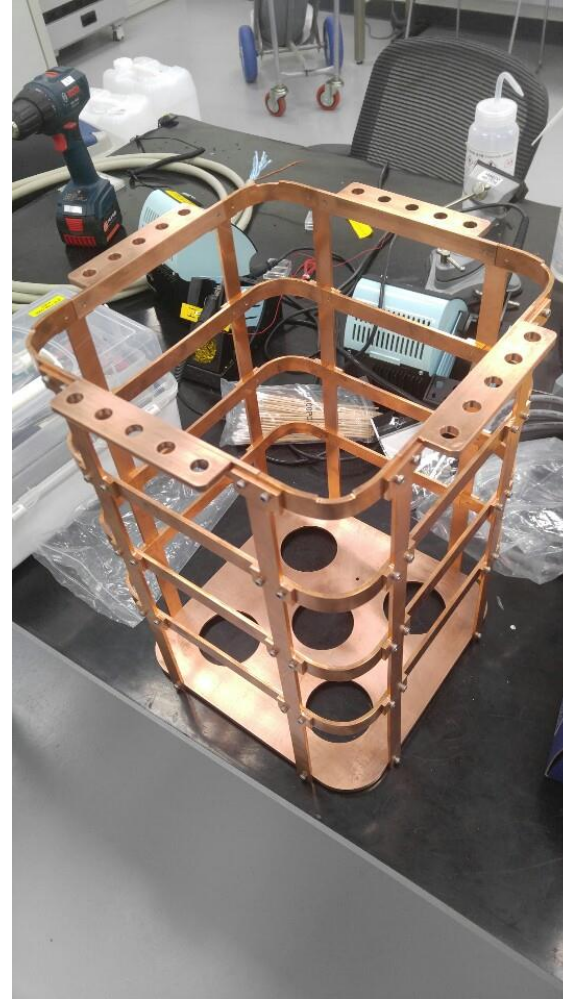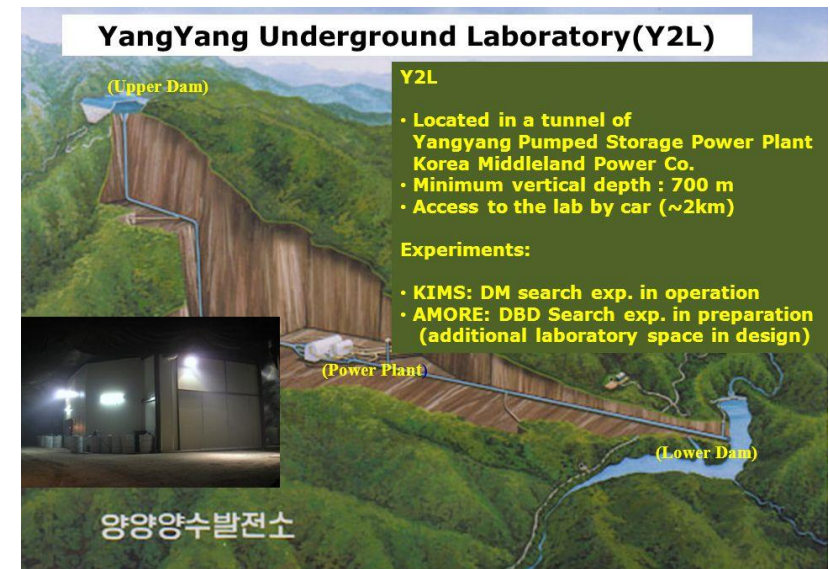# Weekly Report
2018-10-08

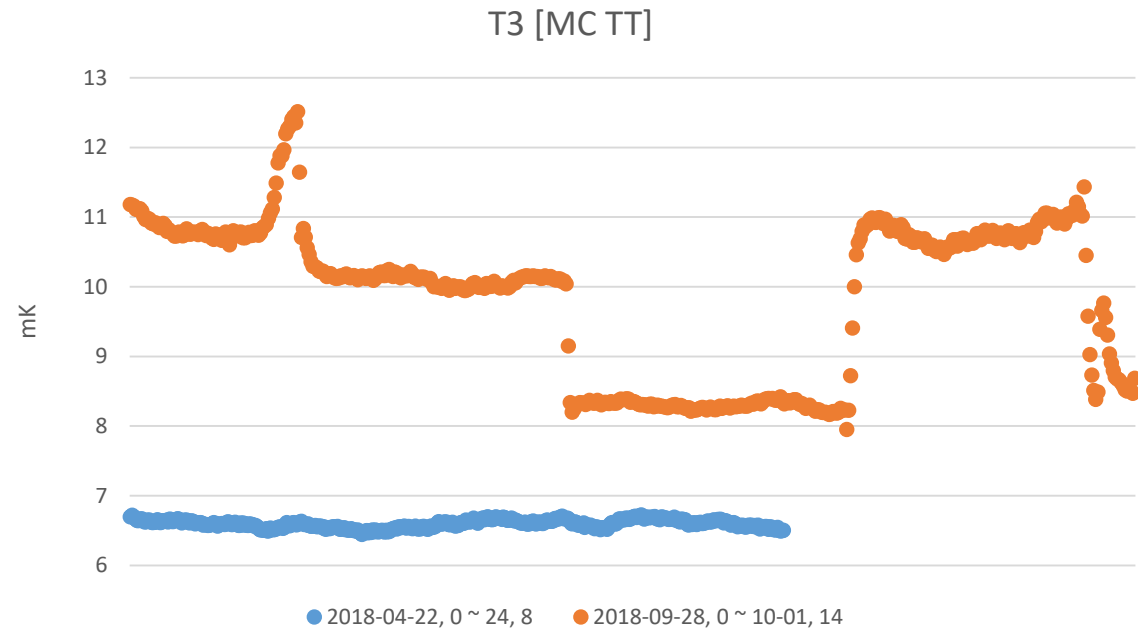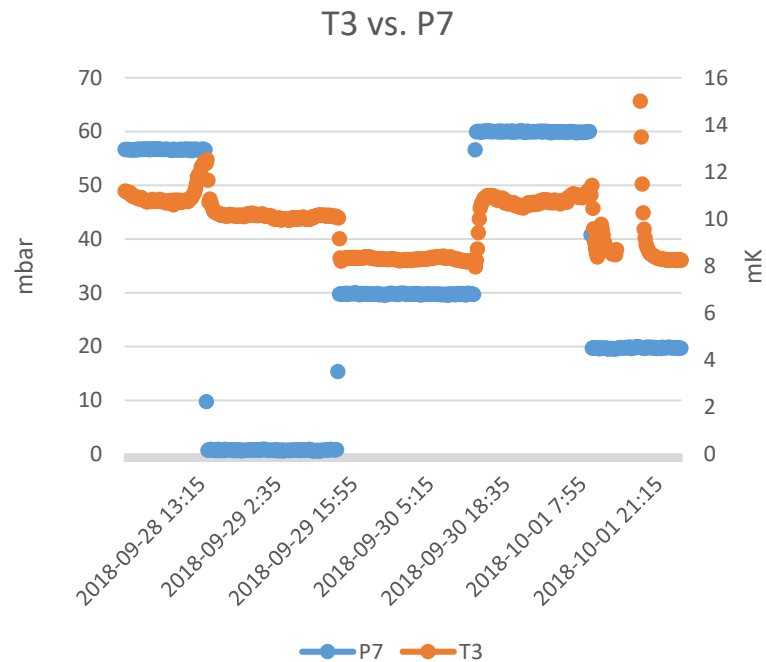Kim, Hanbeom

Superconducting Shield Mockup

Y2L Operation

- SQUID status check
  - Noise measurement @ 1 kHz

- SQUID tuning
  - Insert magnetic field (quanta) into the loop
  - 12 SQUIDs total

- PID
- Detector setup
- Outer Lead shield @ Neutron shield setting

YangYang Underground Laboratory(Y2L)

(Upper Dam)

Y2L
- Located in a tunnel of Yangyang Pumped Storage Power Plant Korea Middleland Power Co.
- Minimum vertical depth : 700 m
- Access to the lab by car (~2km)

Experiments:
- KIMS: DM search exp. in operation
- AMORE: DBD Search exp. in preparation (additional laboratory space in design)

(Power Plant)

(Lower Dam)

양양양수발전소

Y2L Operation

- Refrigerator Stage Temperature Analysis

- Seems to have lost some He