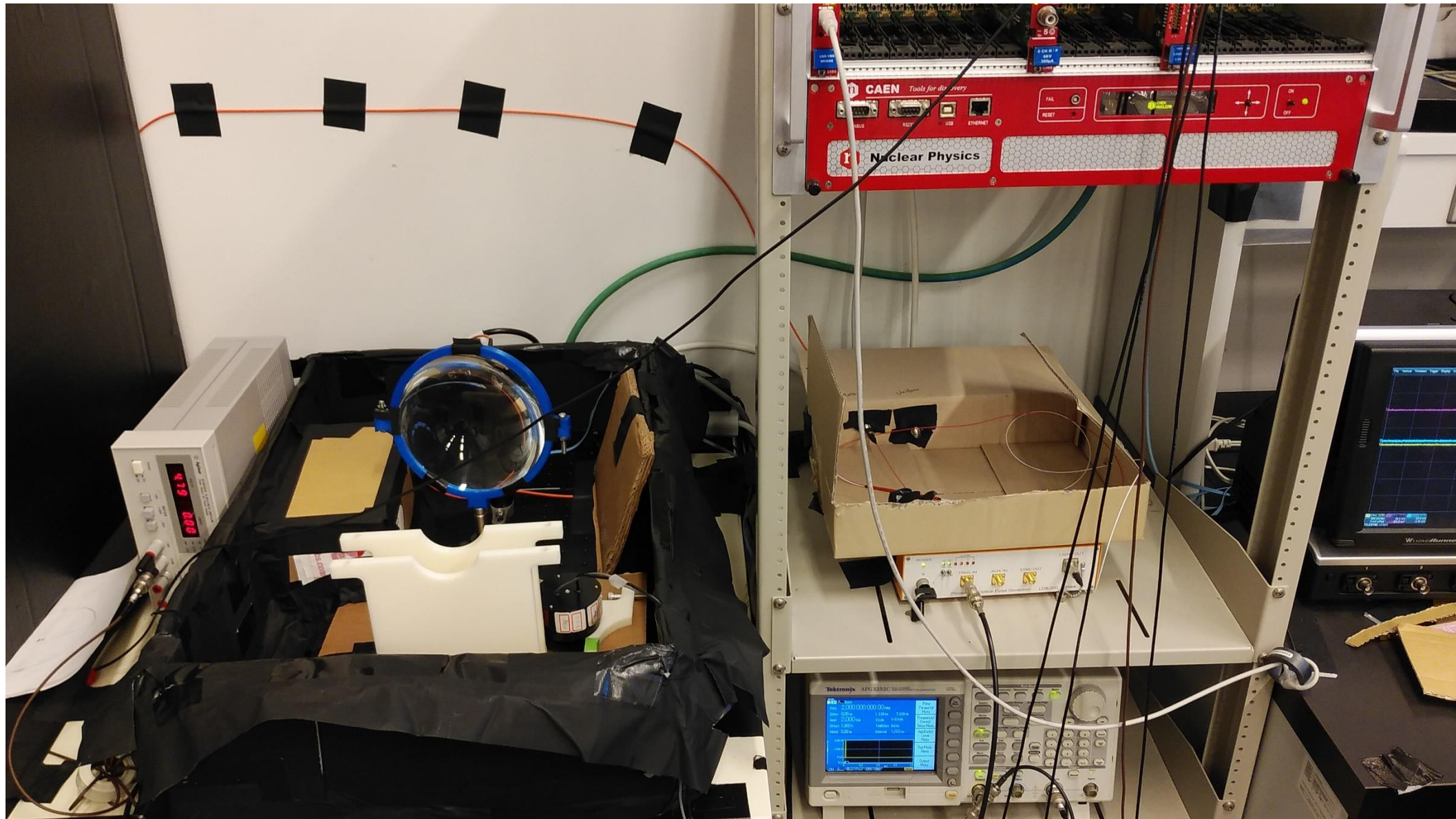


Status Report

November 2nd, 2018

Haruya Morikawa
Tokyo Institute of Technology

So far



- Thanks to Benjamin and Adam, the LED cable was set and the light leakage seems to be reduced than the measurement in September.

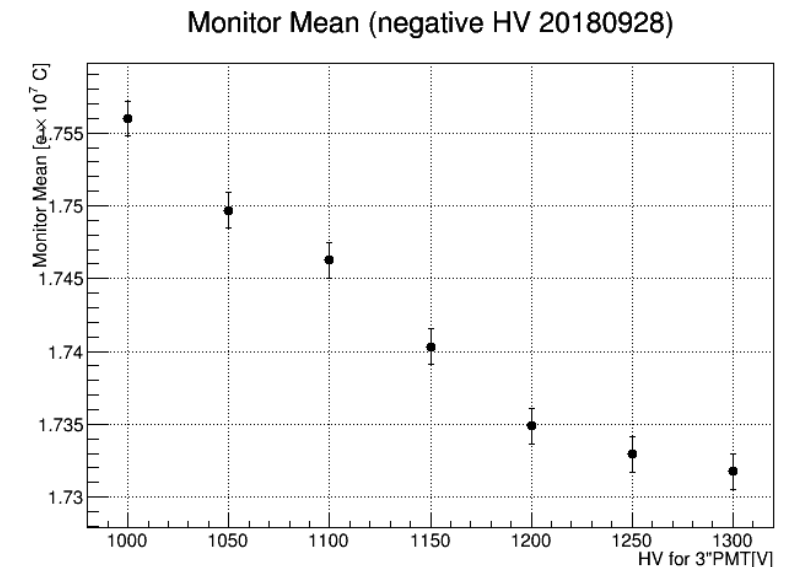
To do

1. Stability of Monitor PMT (or LED)

- Look for the stable region of the mean.

2. Stability of 3"PMT (aging time)

- Look for the stable region of Poisson mean.



3. Confirm whether after-pulses are included, or not.

- enlarge the time window of each event, and check the time histogram.

4. Make TTS plots:

- LED intensity (n photoelectron) vs. TTS
- charge vs. $TTS / \sqrt{\# \text{ of p. e. }}$
- So the measurement will be done for a certain HV and changing LED intensity (charging Poisson mean).