

Status report

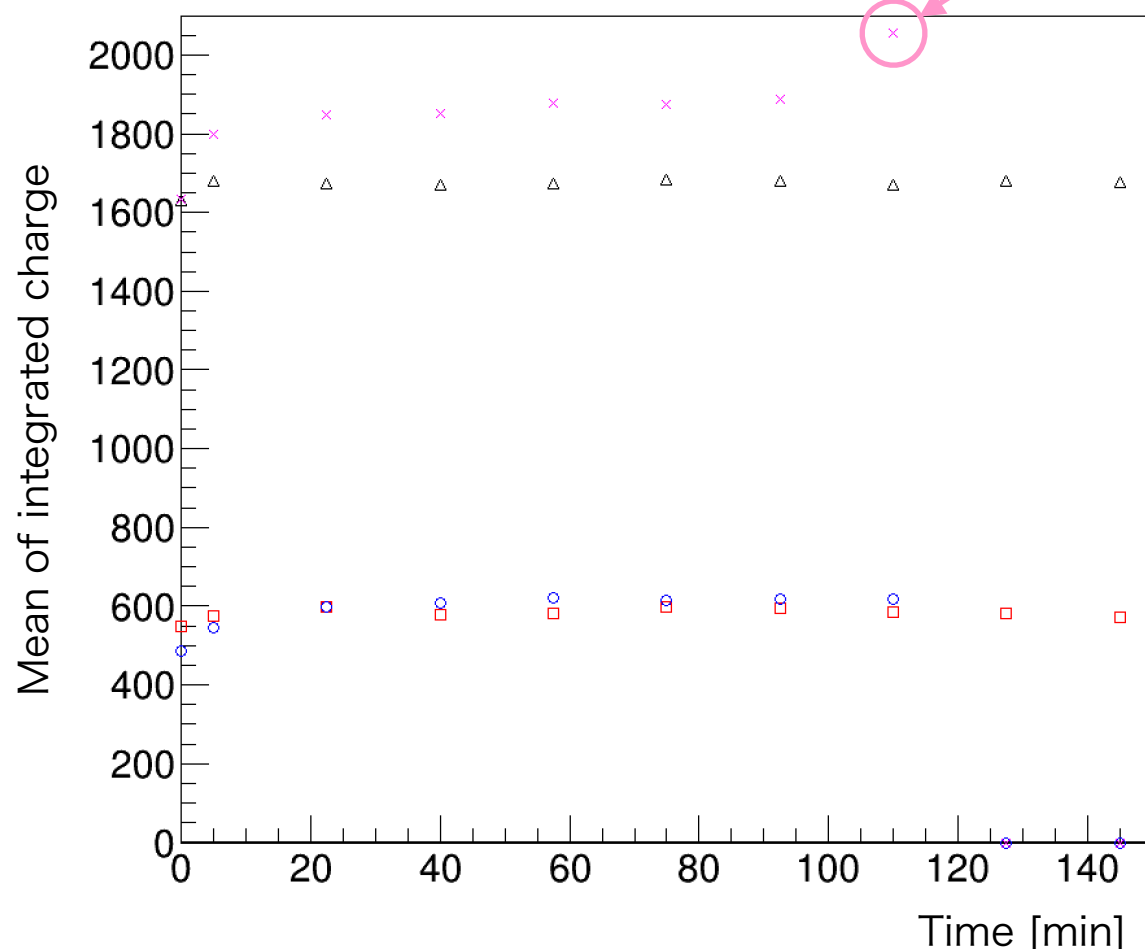
06/05/2020

M.Inomoto

Setup

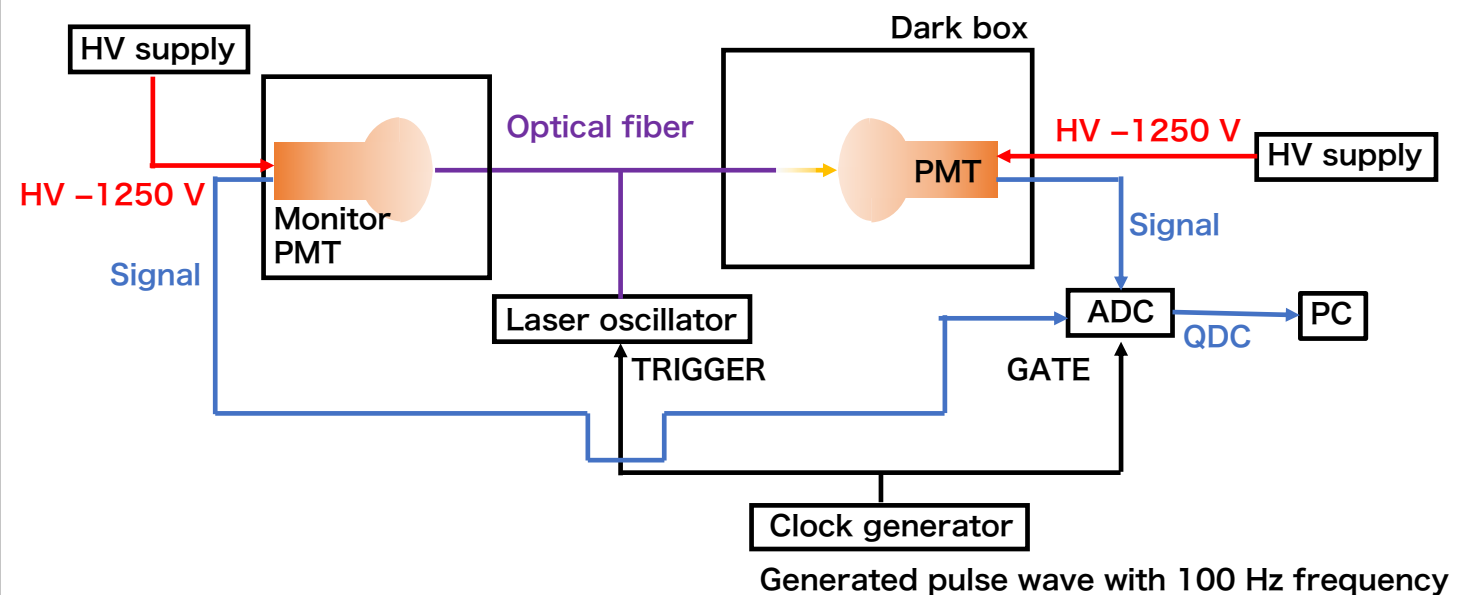
- This week, I maintained and improved the setup.

- 3-inch PMT in 1st measurement
- △ Monitor PMT in 1st measurement
- 3-inch PMT in 2nd measurement
- × Monitor PMT in 2nd measurement



This plot has different value from other magenta plots.
- I touched the laser fiber at this measurement.

The cause of changing light intensity is to move the laser fiber.

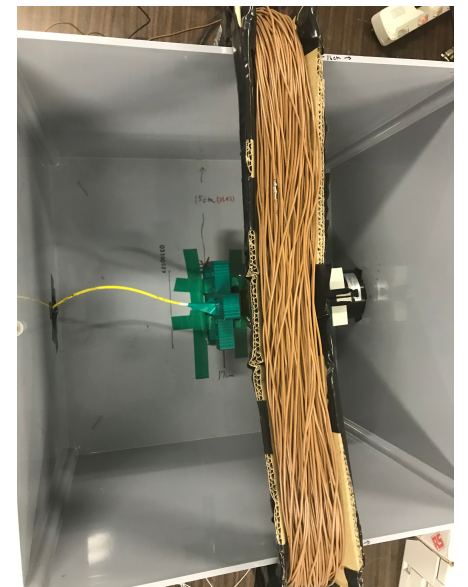
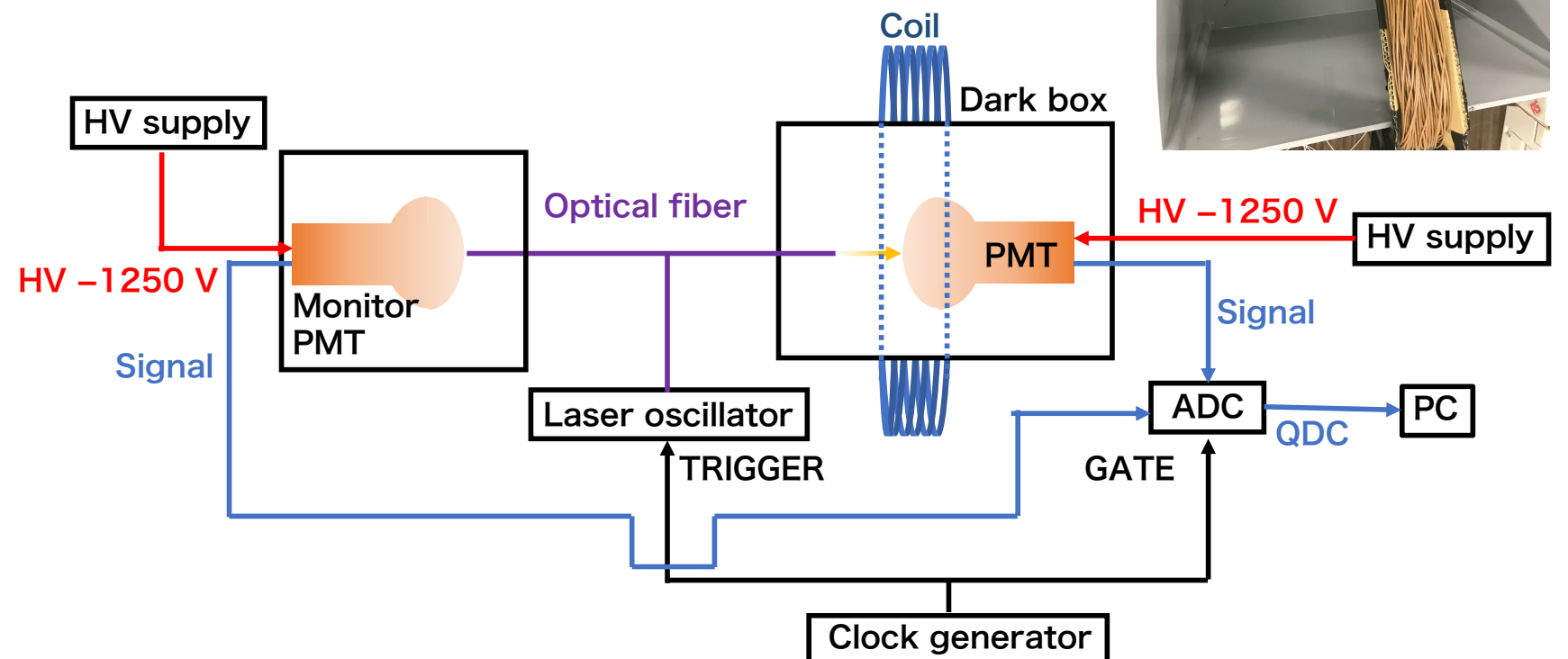


Laser stability on previous measurement

Setup

- This week, I maintained and improved the setup.
 - In order not to move the laser fiber, I fixed two dark boxes and the laser fiber with tape.
 - I set the coil.

The coil creates the some magnetic fields in one dark box.



Generated pulse wave with 100 Hz frequency

To do

- I will measure the magnetic field dependence of the relative efficiency with the monitor PMT and the coil.

