

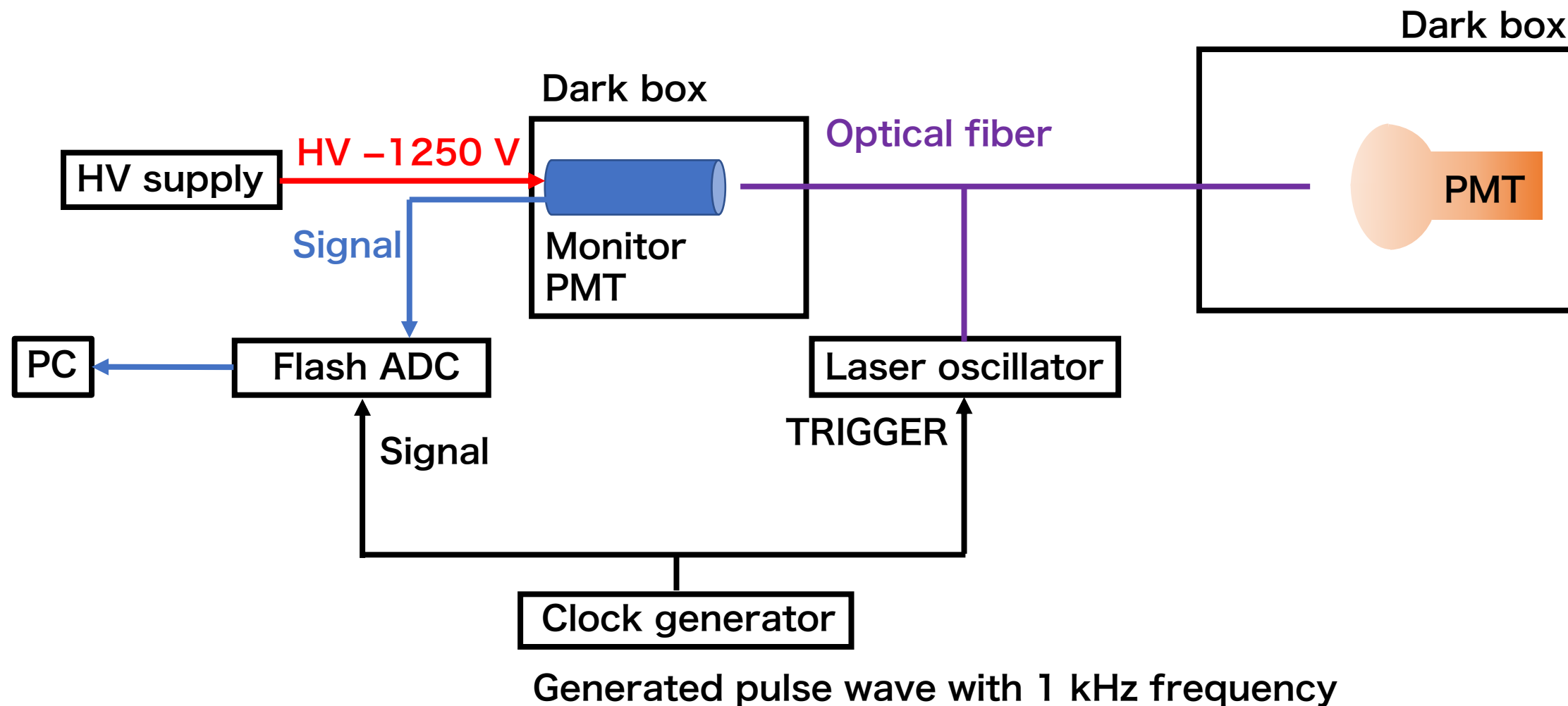
Status report

12/06/2019

Michitaka Inomoto

Monitor PMT

- I calculated the integrated charge of monitor PMT' signal.
- I used the results of last week experiment.



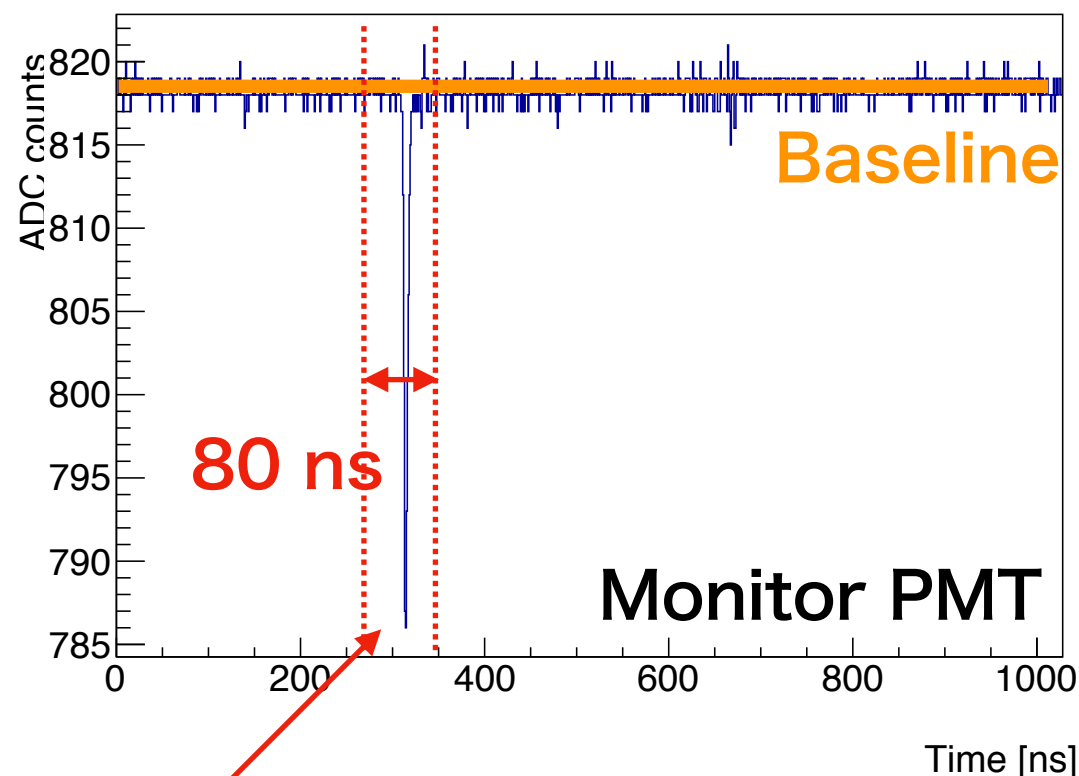
Monitor PMT

- I checked the integrated charge distribution.
- I checked the time dependence of relative efficiency and the gain.

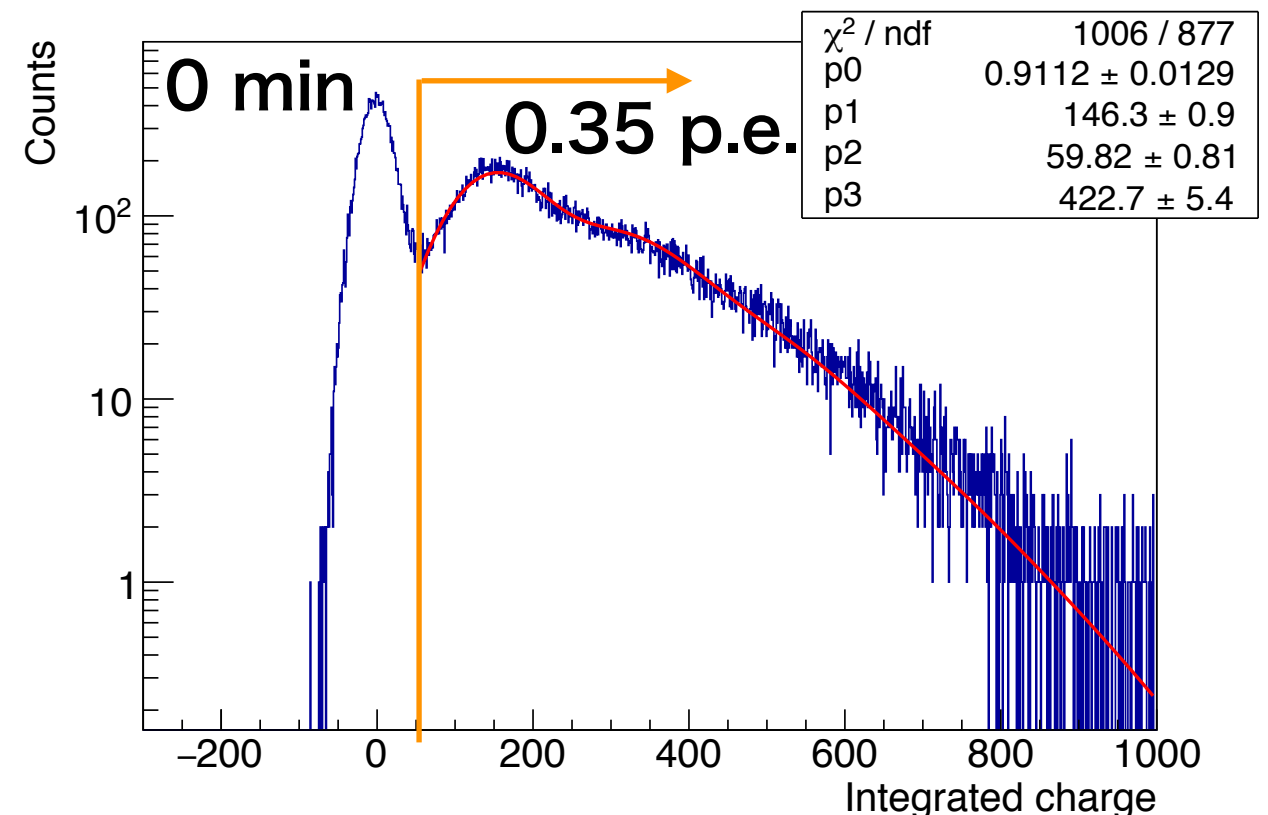
Relative efficiency is defined as follows:

$$\text{Relative efficiency} = \frac{\text{the number of PMT's signals}}{\text{the number of signals from clock generator}}$$

“the number of PMT's signals” is the counts above the threshold.

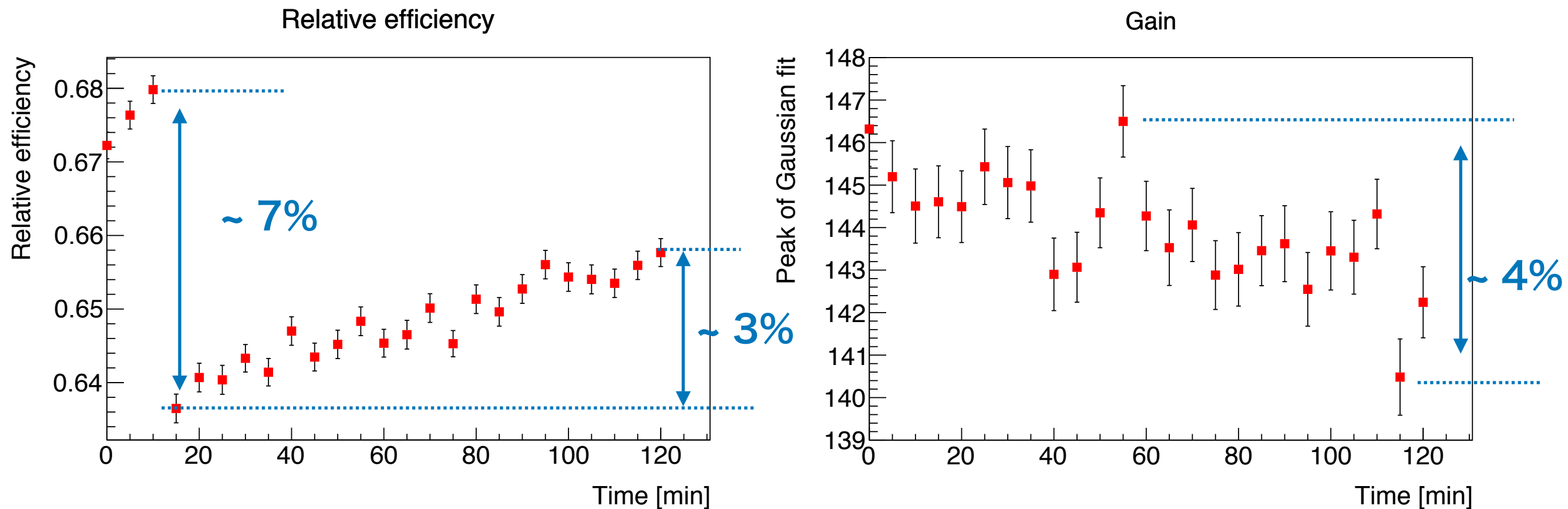


Integration range



Monitor PMT

- The variation of the relative efficiency was about 7 % .
- The variation of the gain was about 4 %.



Monitor PMT

- I checked the time dependence of the mean of the gain.
- The variation of the mean was about 12 %.

