

Status report

Tokyo University of Science

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5th June, 2020

mPMT meeting

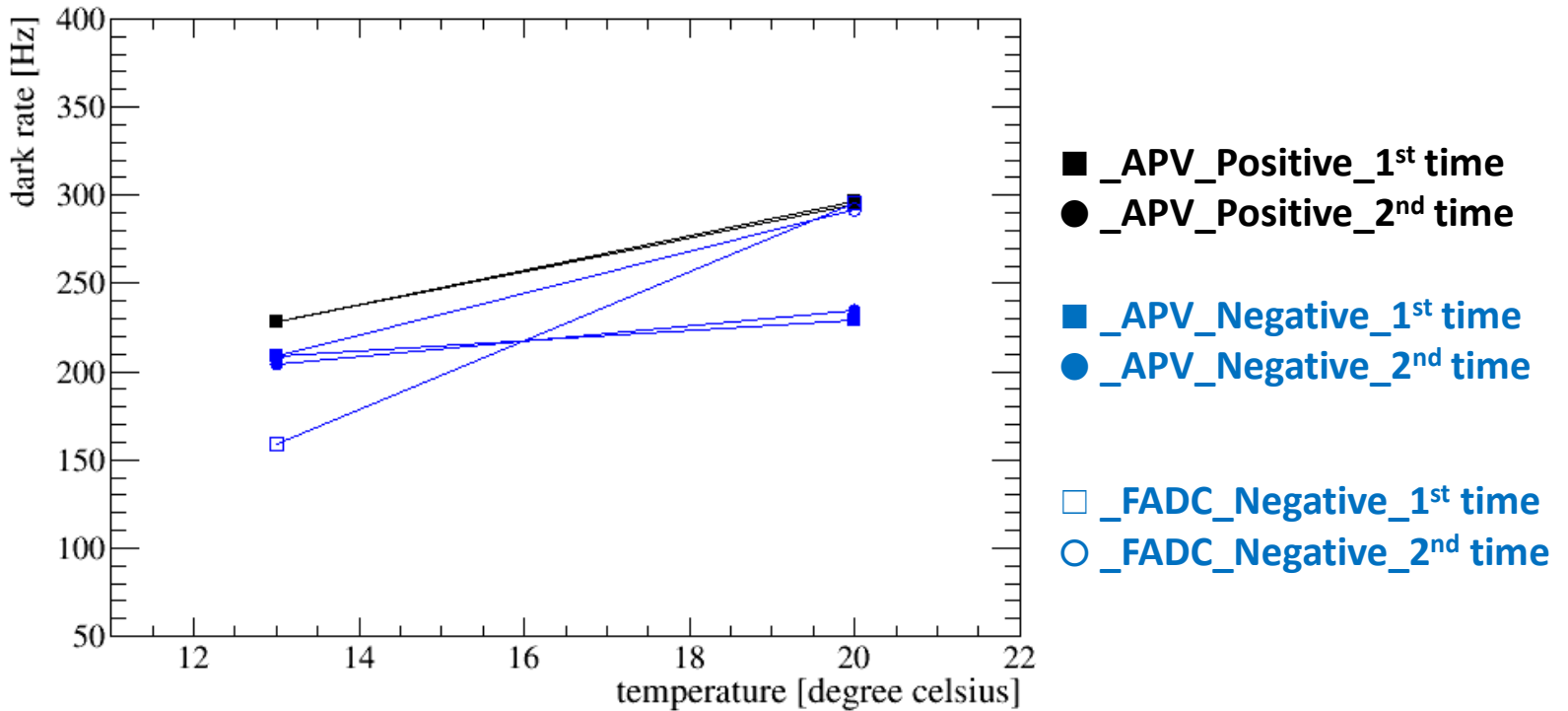
This week : dark rate

- To check the consistency with the dark rate measured by APV and that measured by F-ADC,
I calculated the data of 3" PMT which both I and Inomoto-san measured (threshold for 0.55 p.e.).

Dark rate

Hamamatsu-R14374

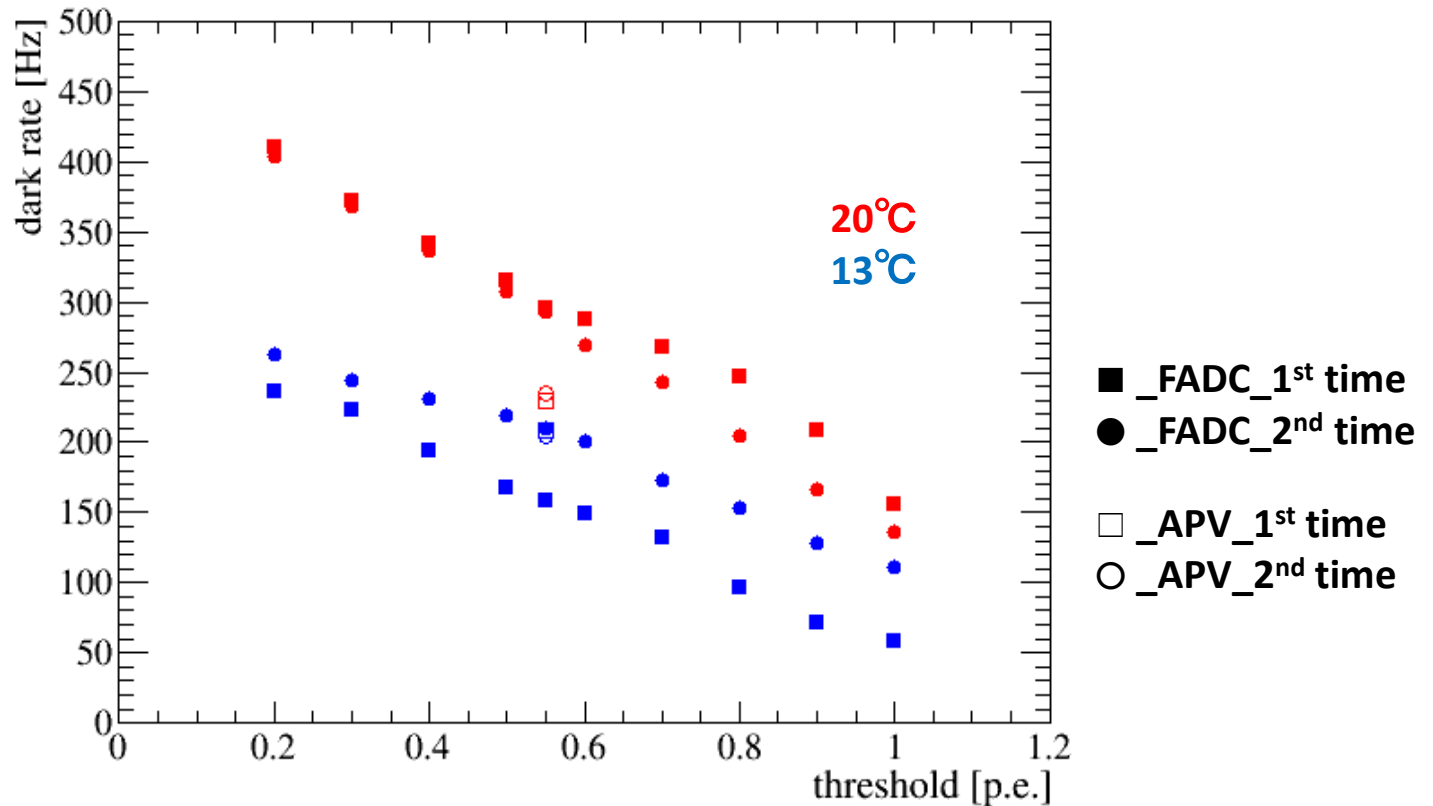
- FADC_-1250 V_0.55 p.e.
- APV_+1250 V, -1250V_0.55 p.e.



Dark rate

Hamamatsu-R14374

- FADC_-1250 V_0.55 p.e.
- APV_+1250 V, -1250V_0.55 p.e.



- The rates at 20°C looks little different between FADC and APV, but this is not impossible results.

Future plan

- Recreating the setup to diffuse the light and illuminate whole surface of photo-cathode.
- We plan to discuss with Sasayama-san next Friday (June 12th) about Hamamatsu's AP measurement.

Back up