

Status Report

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Sep.27, 2019

mPMT meeting

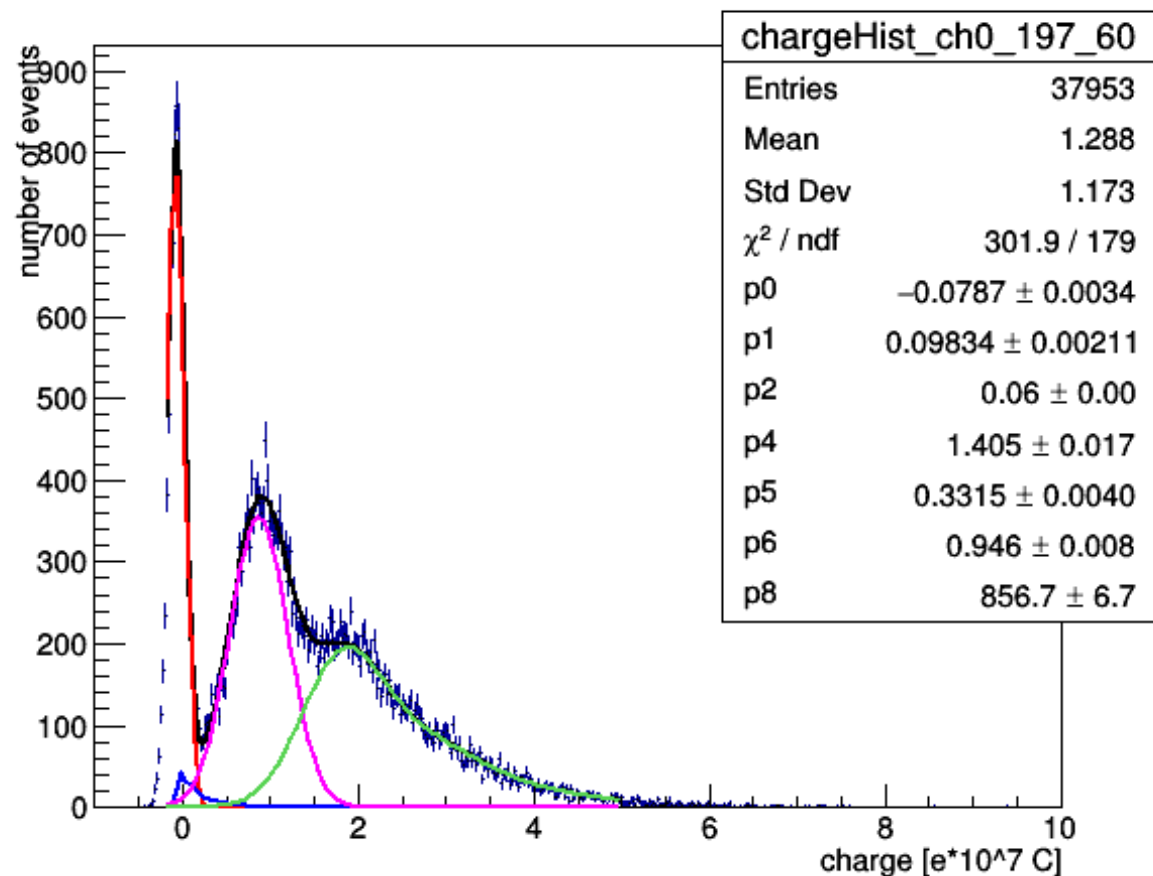
Interest : position measurements of 3" PMT with reflector

Immediate goal : to get the similar conclusion as Izumi-san's
(without reflector)

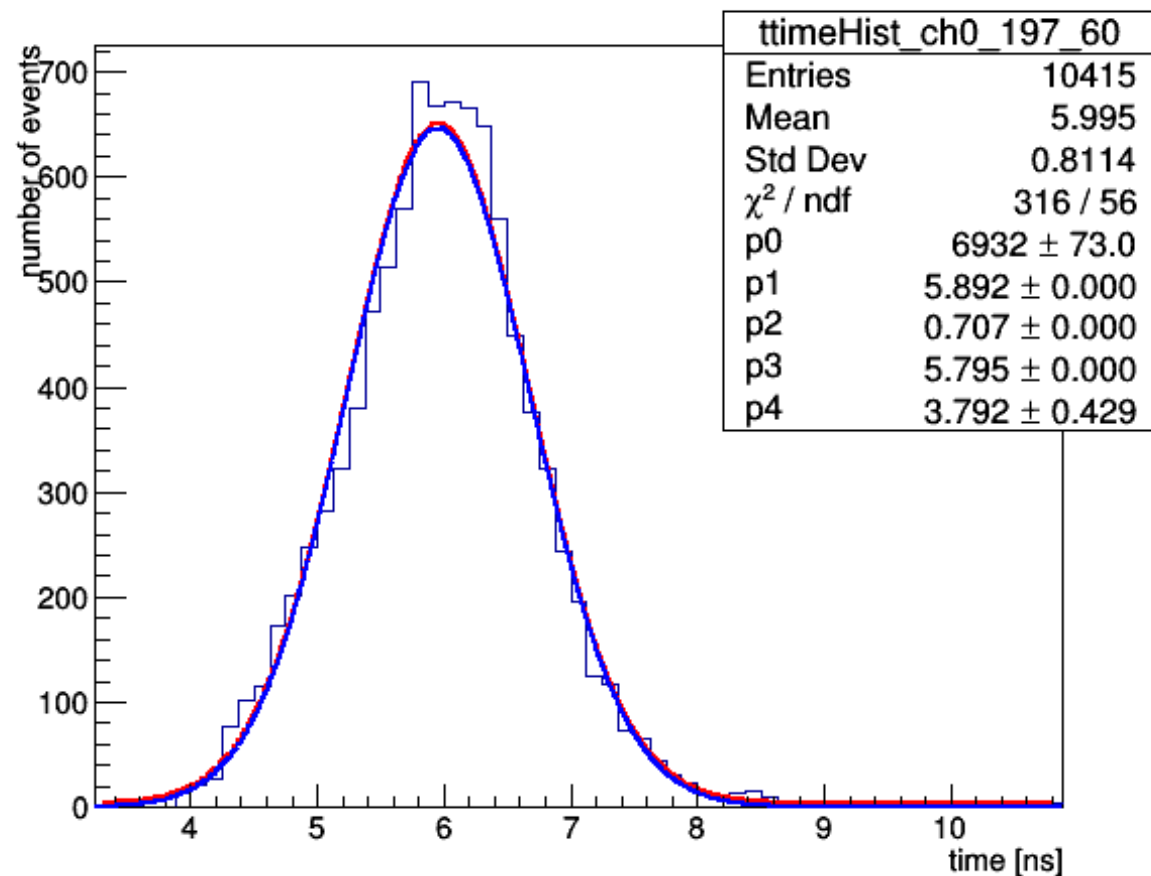
<measurement>

- do measurement at 72 points
- 100 seconds at each points

charge distribution



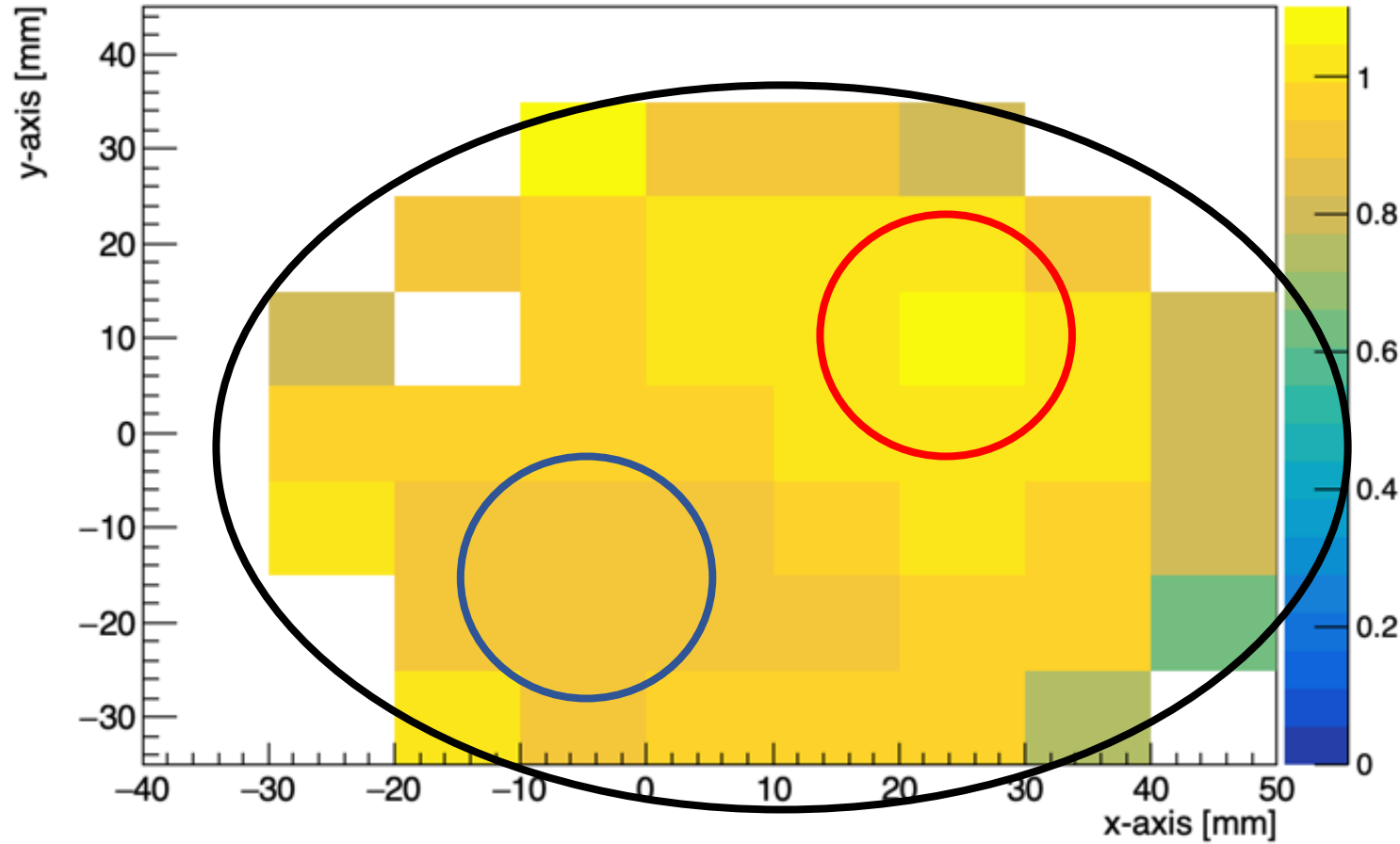
Transit Time distribution



○ : the first dynode side

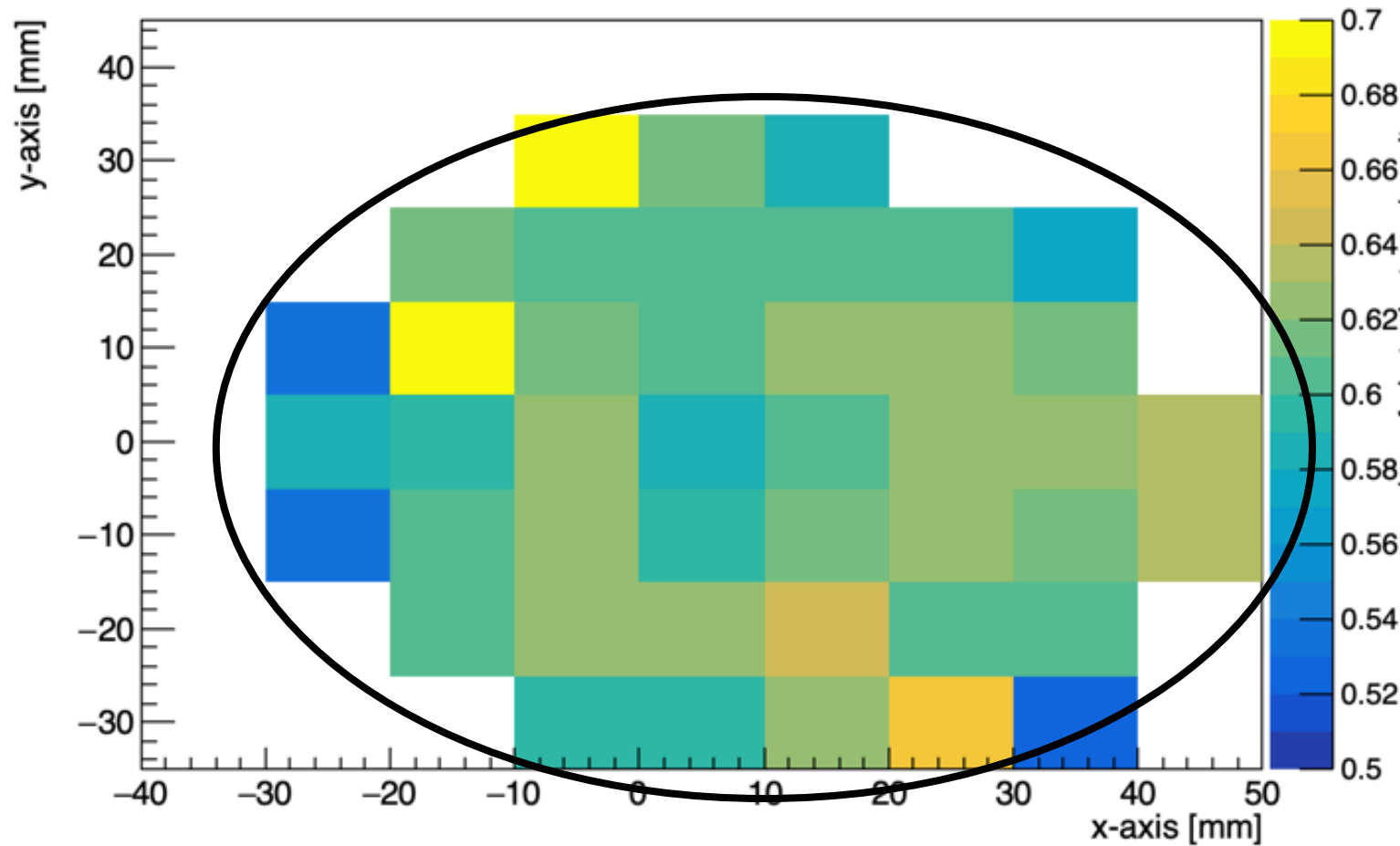
○ : the second dynode side

gain



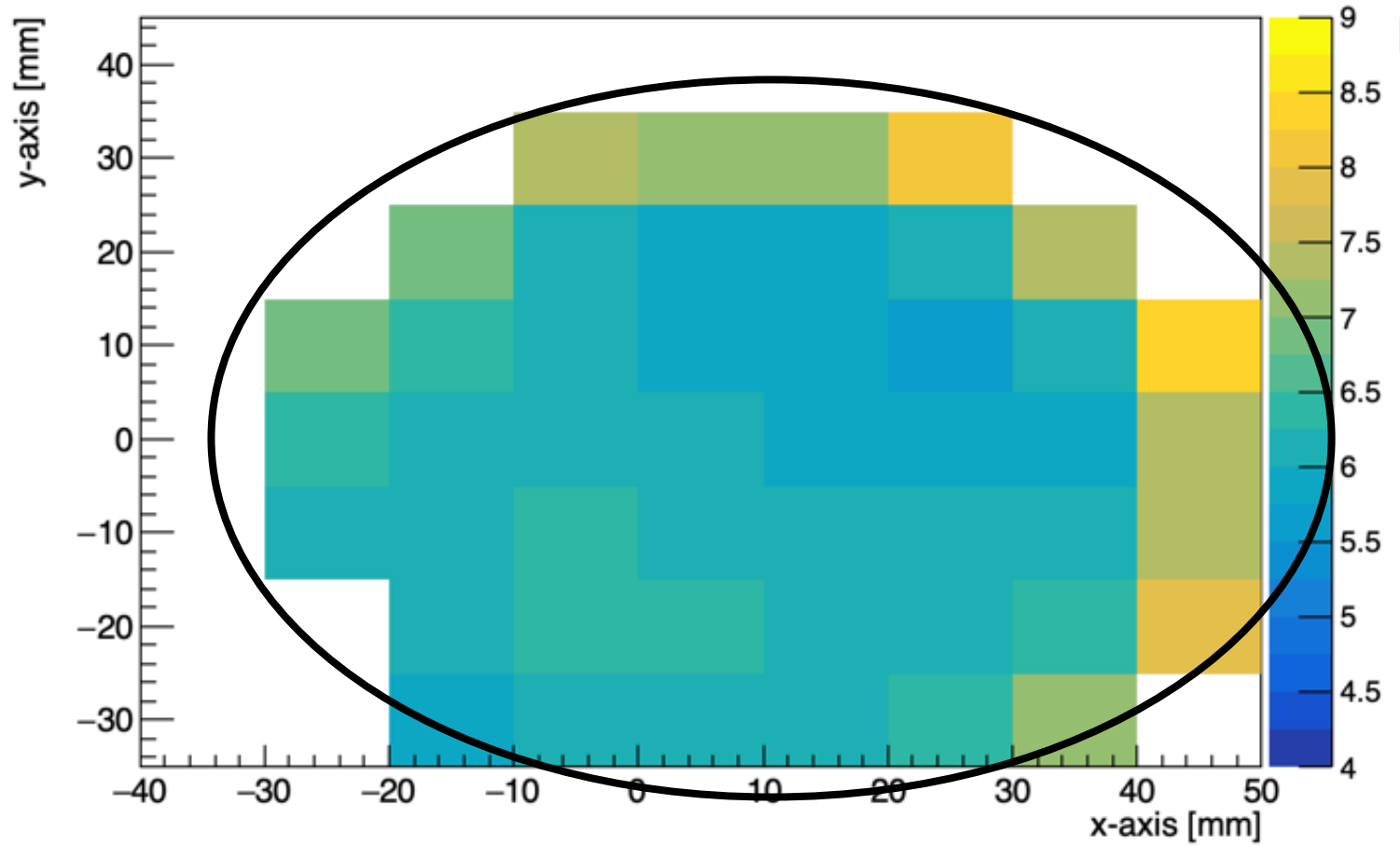
→ larger at the first dynode side

efficiency



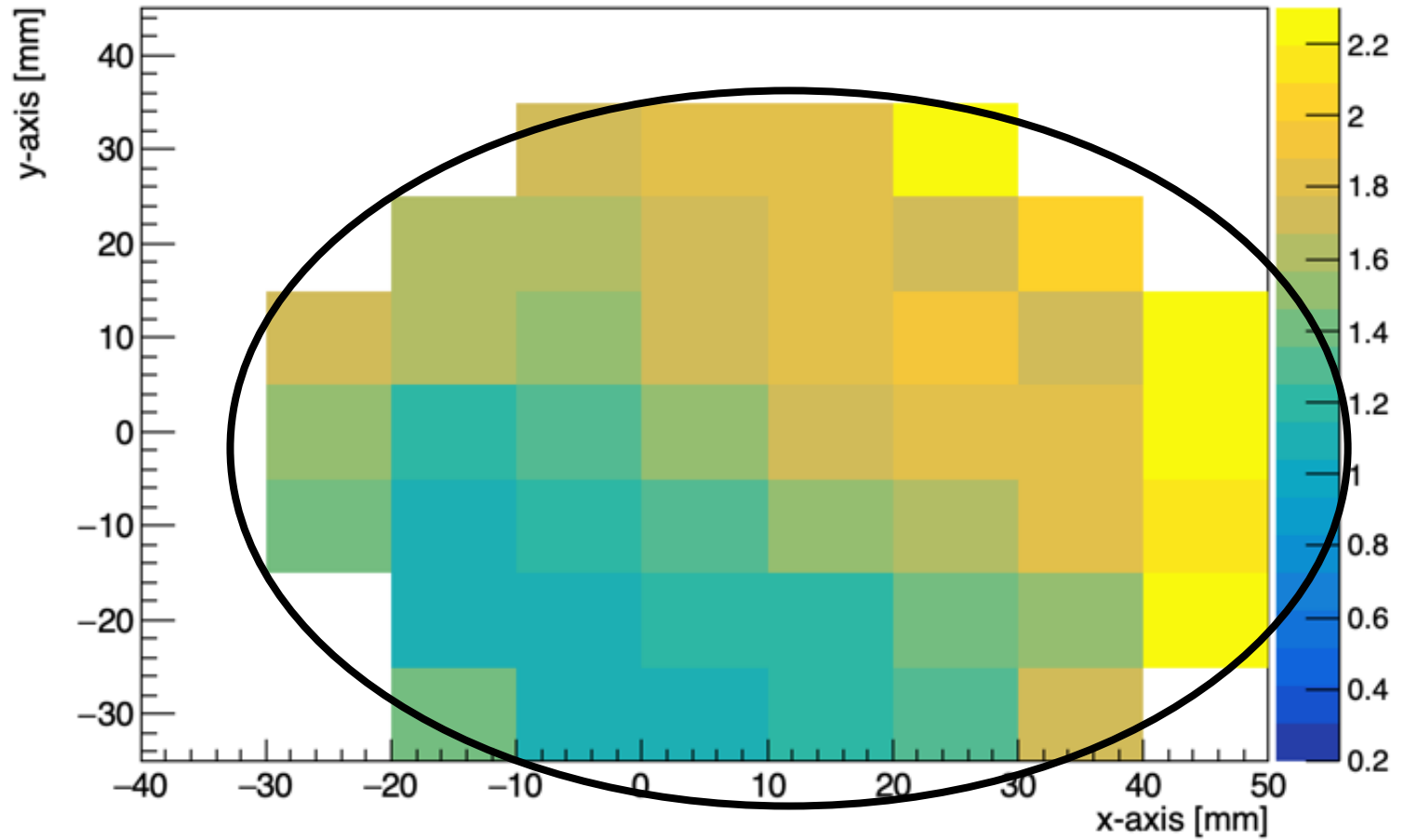
→ roughly uniform
on its surface

TT



→ smaller at the
first dynode side

TTS



→ larger at the
first dynode side

<Future plan>

- do measurements using the reflector at IPMU
- make the new one?