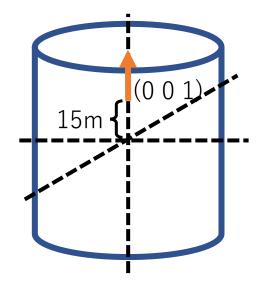
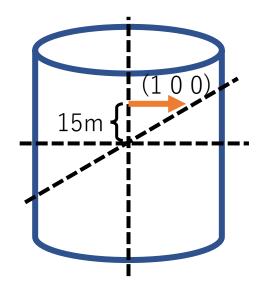
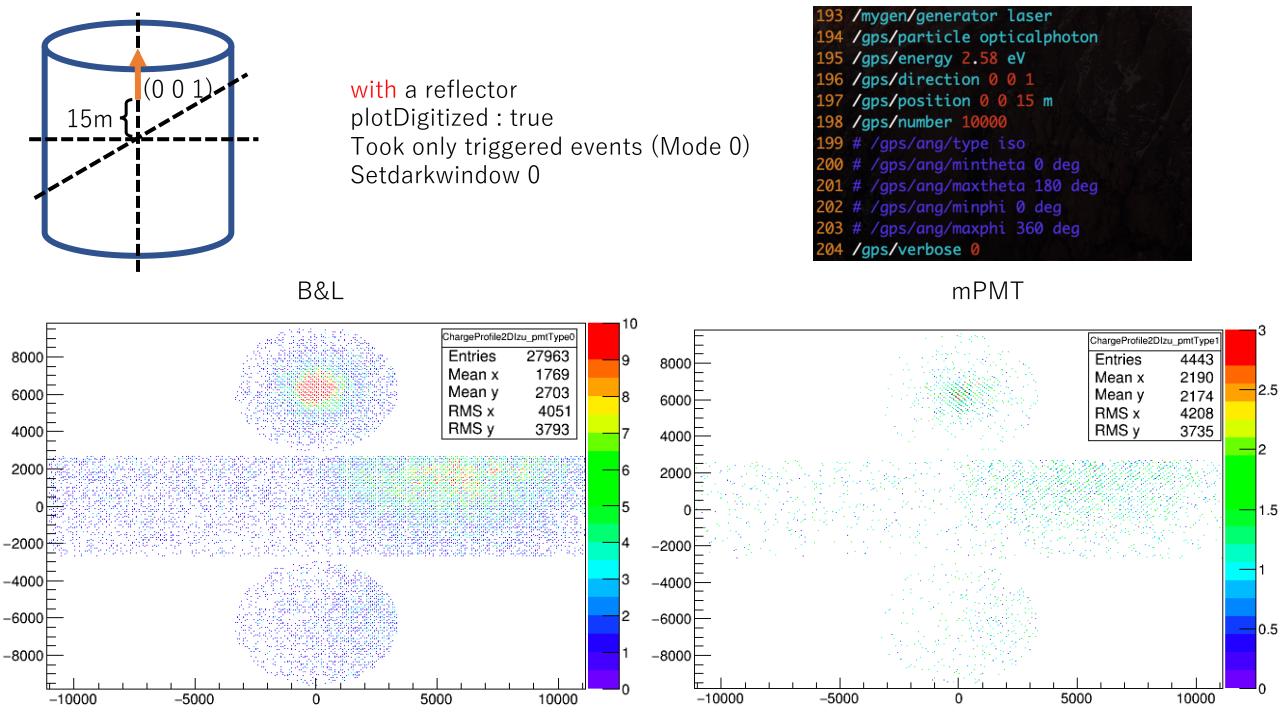
Status Report

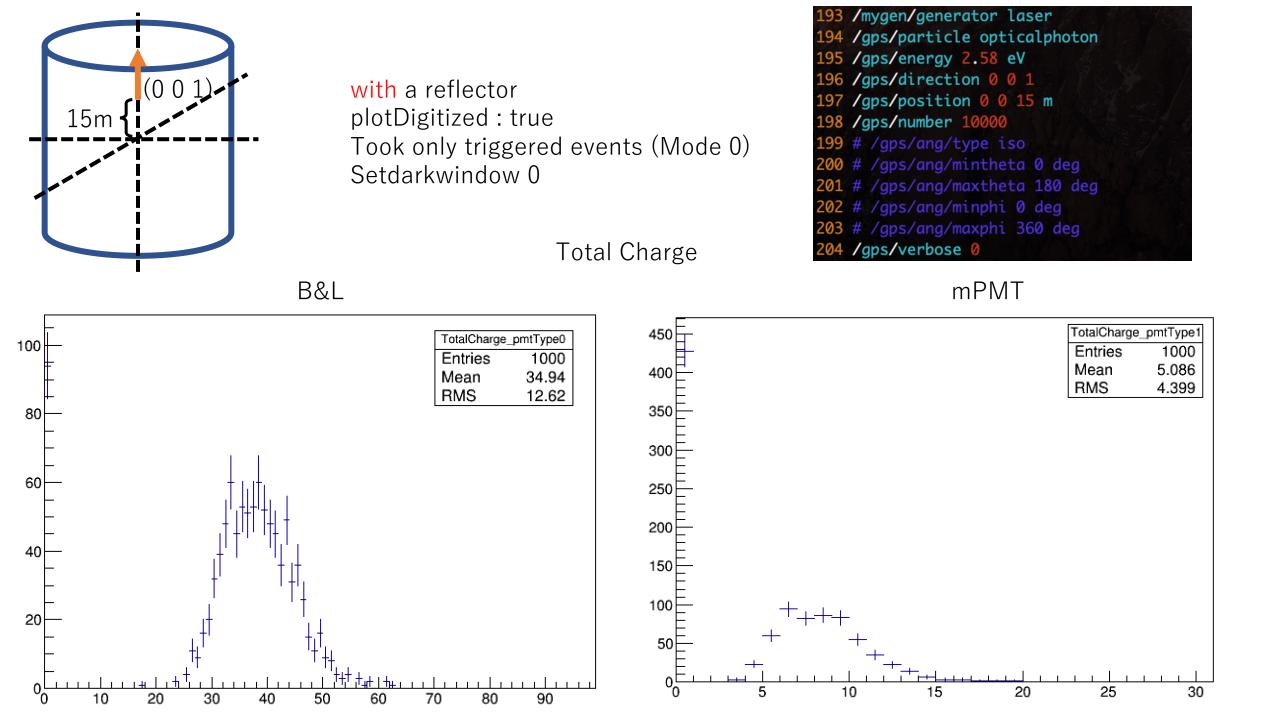
Isao Sashima July 3, 2020 mPMT meeting

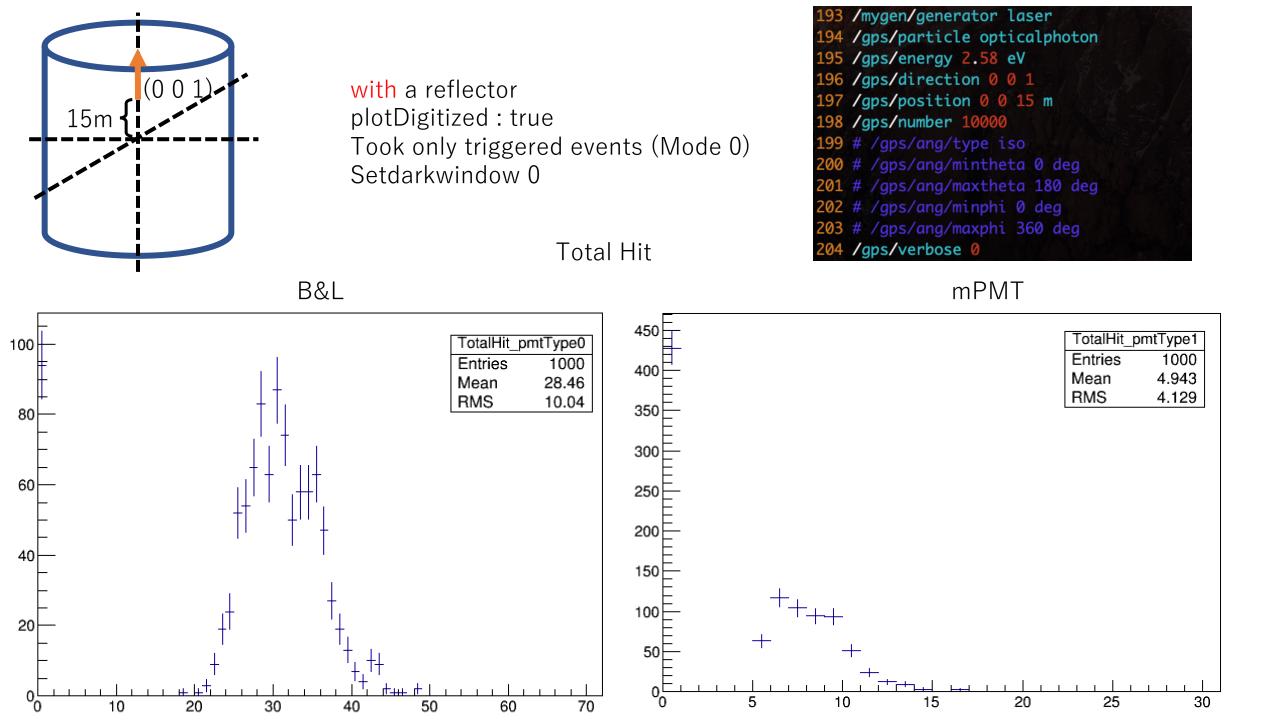
- ran simulations under different conditions (figures below)
- -changing the position and angle of the irradiation point in the Hyper-K
- · along the above conditions, simulated with/without a reflector
- →examined their characteristics under each conditions

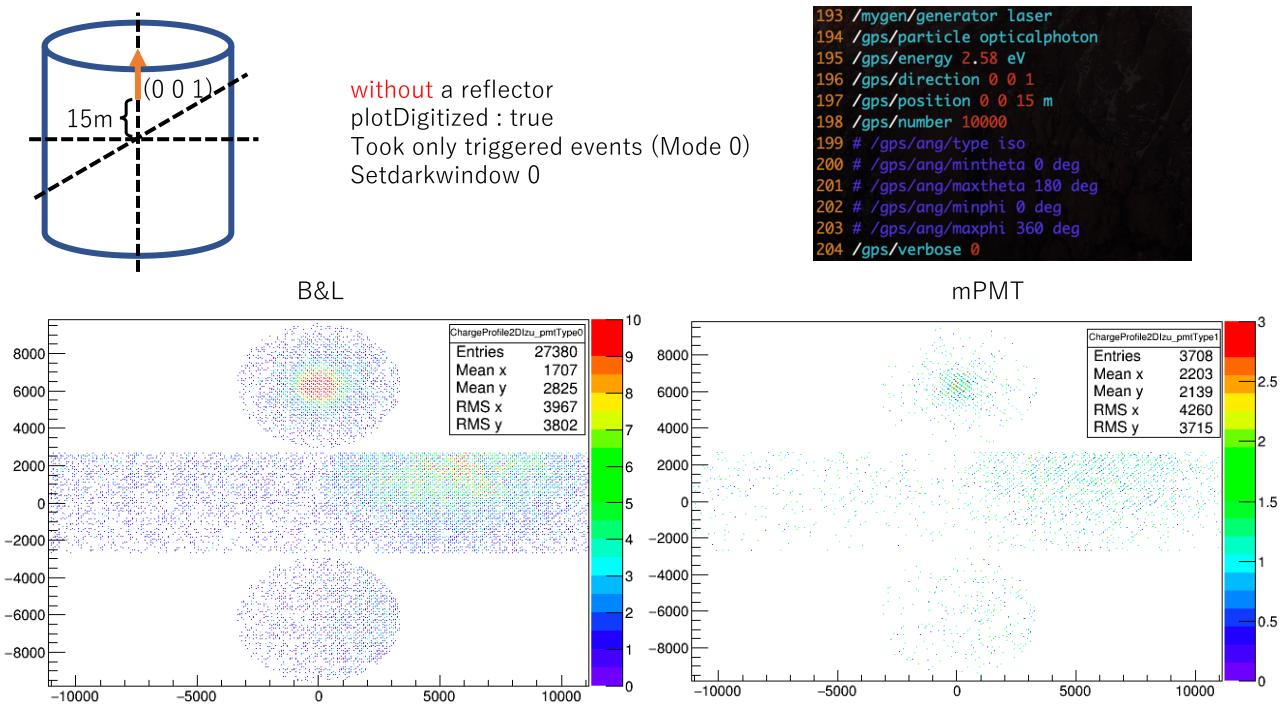


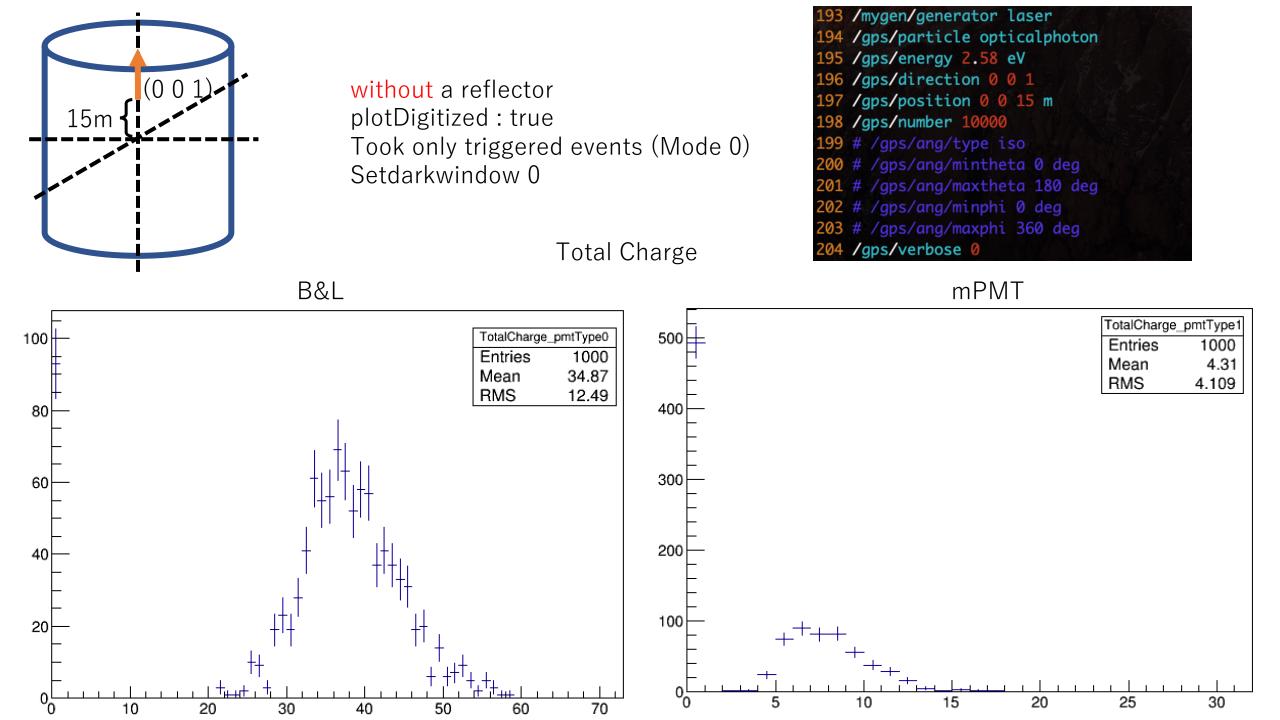


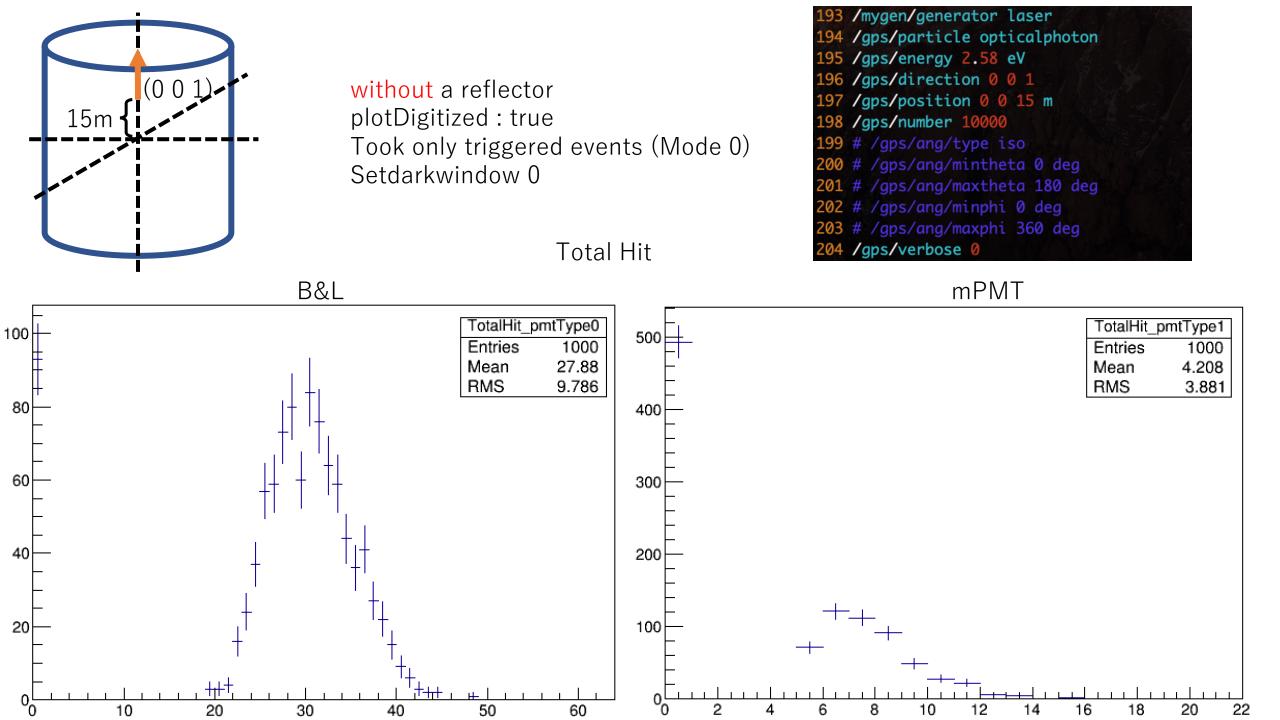


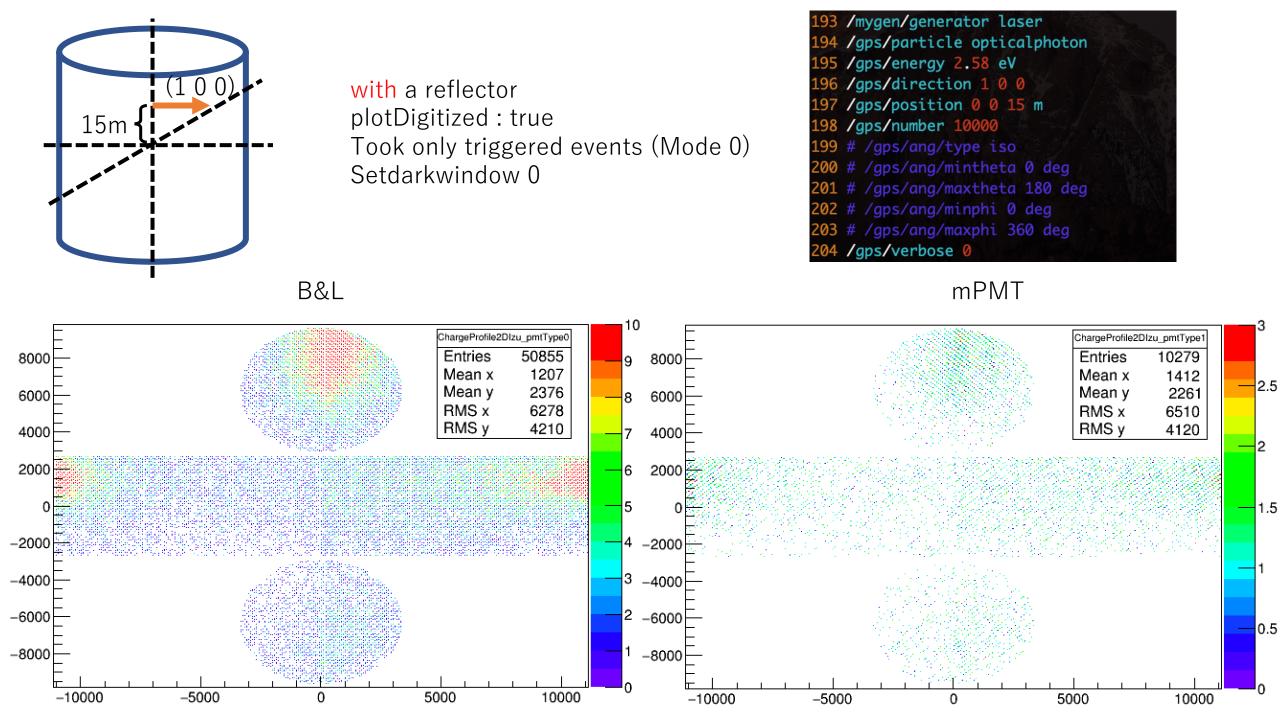


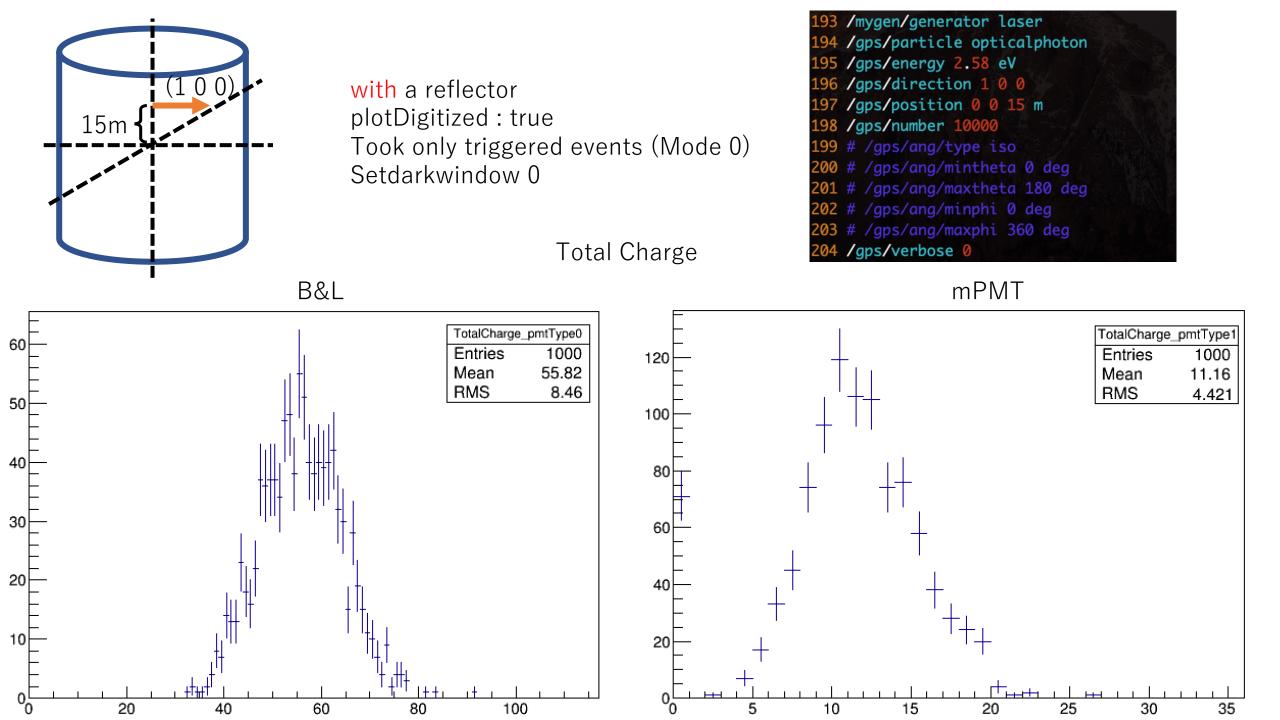


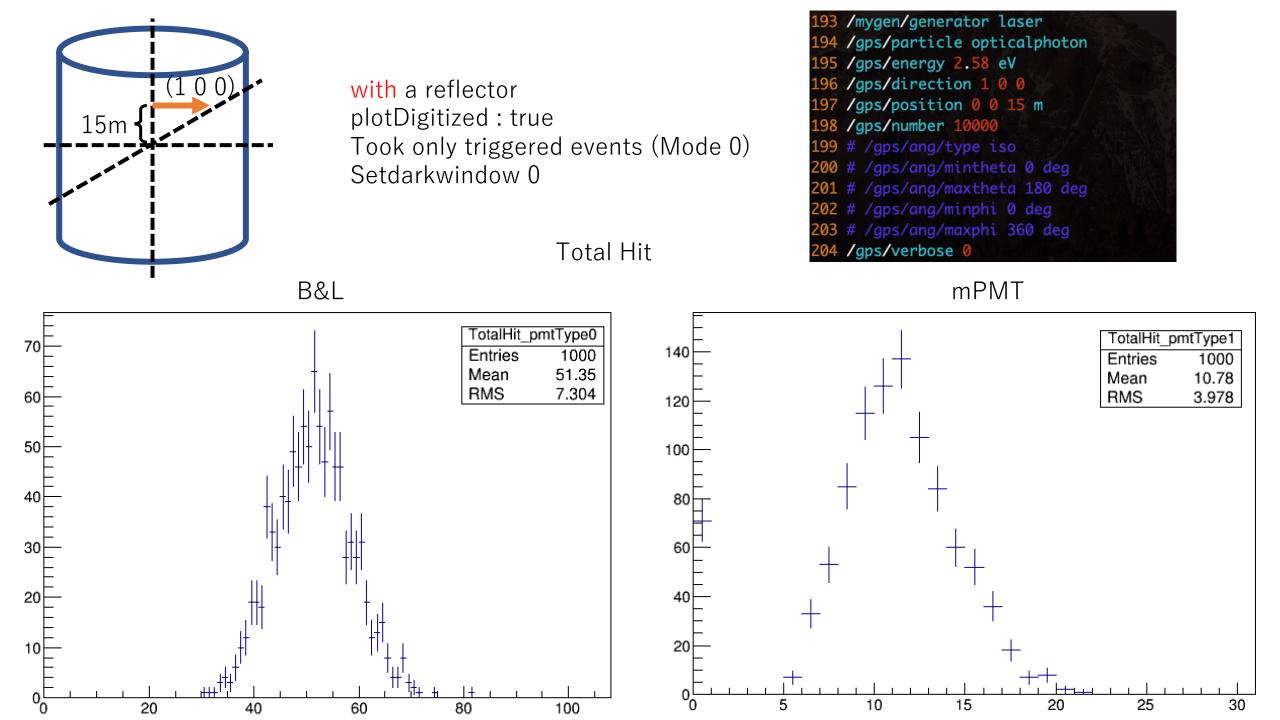


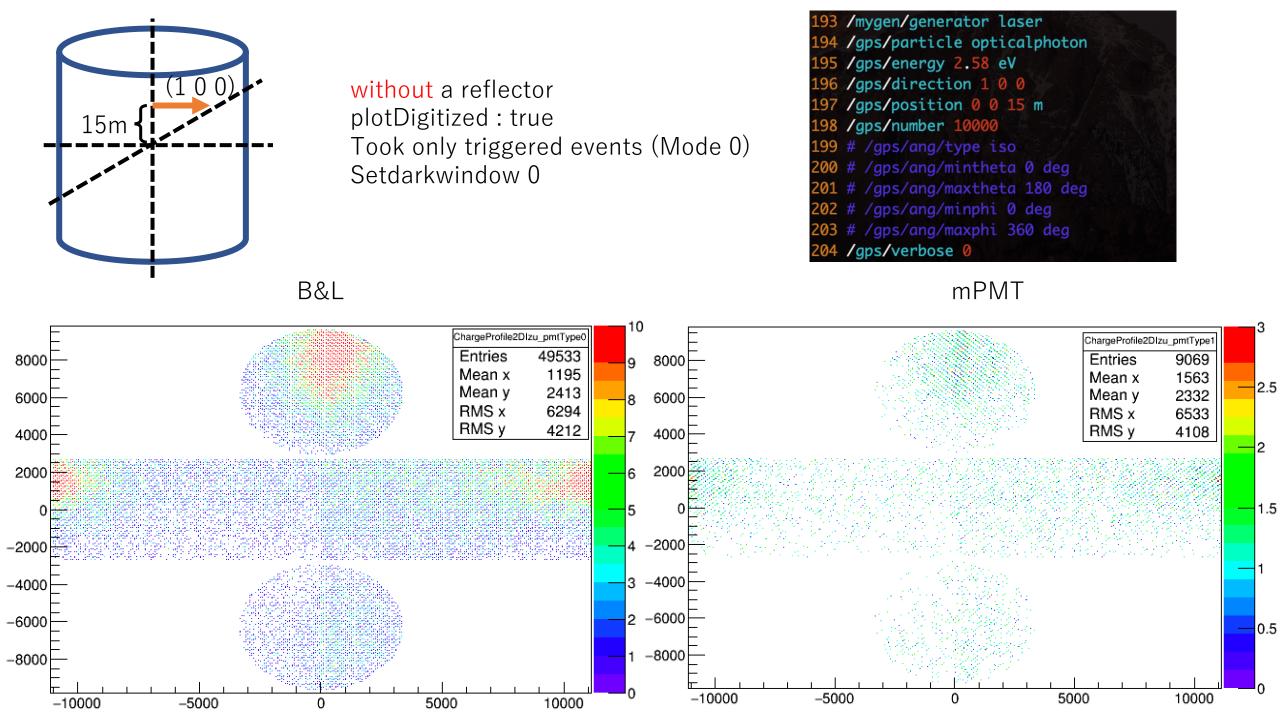


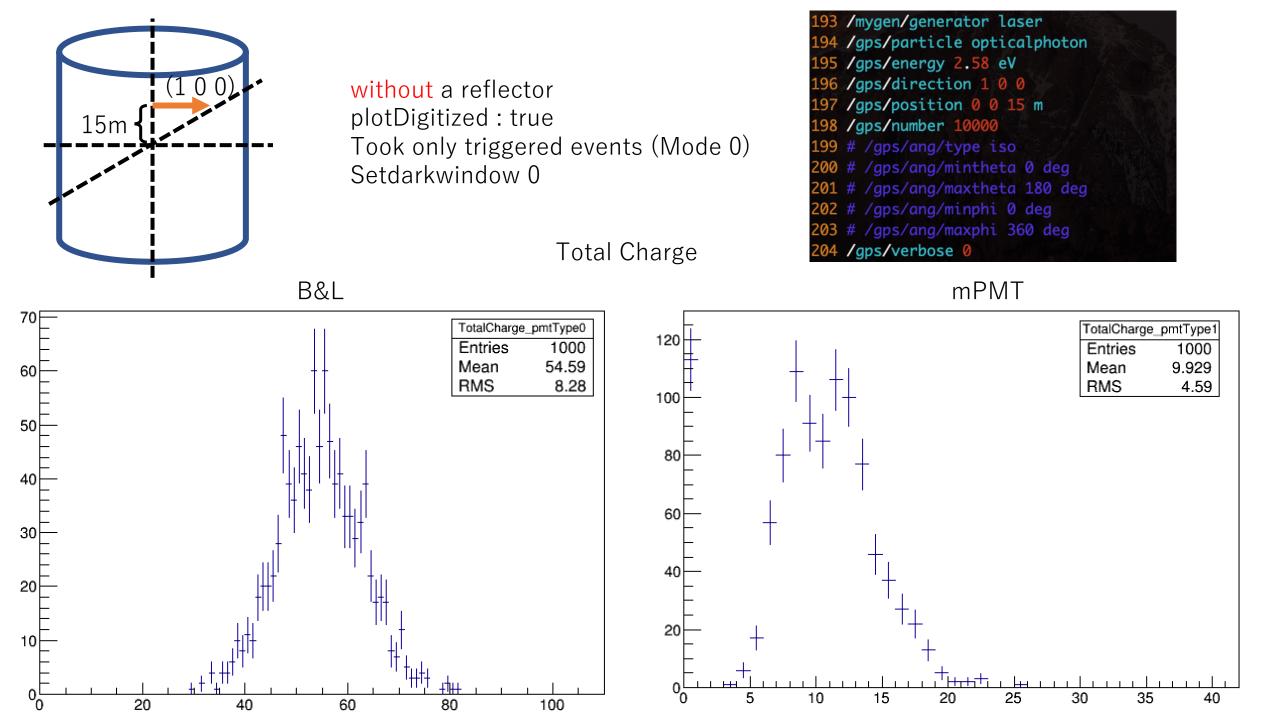


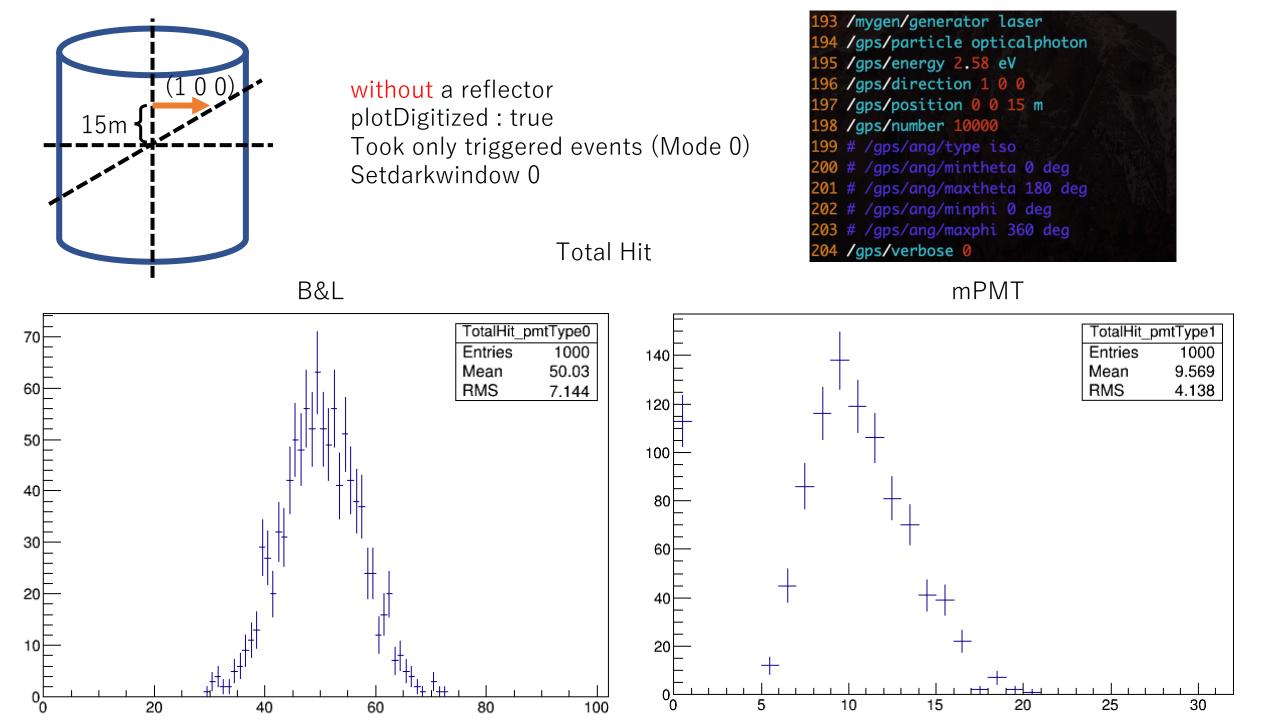












- · 2D diagrams show that entries are not where I expected them to be
- the increment due to the reflector was slightly smaller than expected
- need to consider more suitable reflector conditions
- →I'd like to run more simulations while changing the condition of the reflector (length, angle and mounting position)