Progress report

11/22/2018

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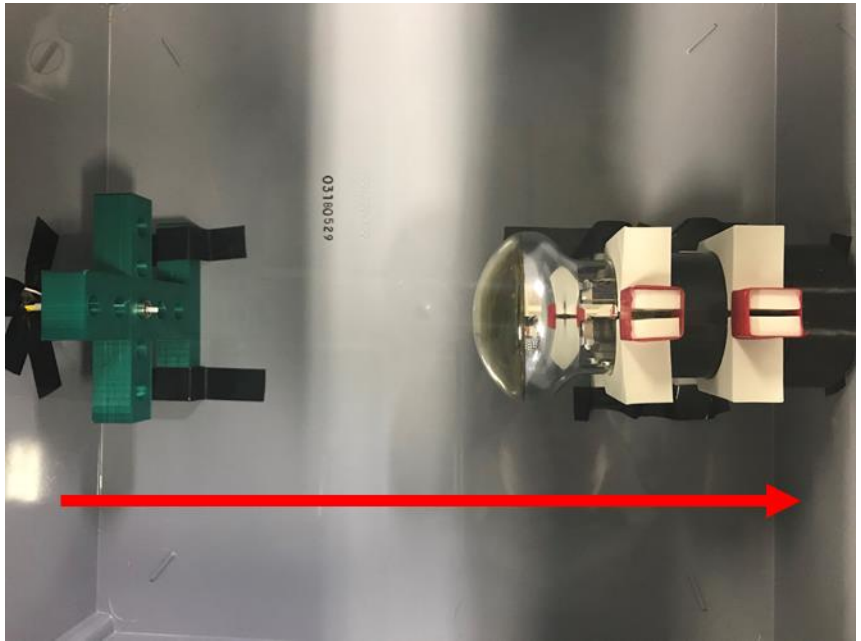
What I have done

I’m measuring PMT’s efficiency in lower B-fields with the coil.

The B-fields are in the direction perpendicular to PMT’s photoelectric surface.

I want to talk about the results next week.



Results

Red:1st time

0uT 2018/11/08 15:31

900uT 2018/11/08 16:05

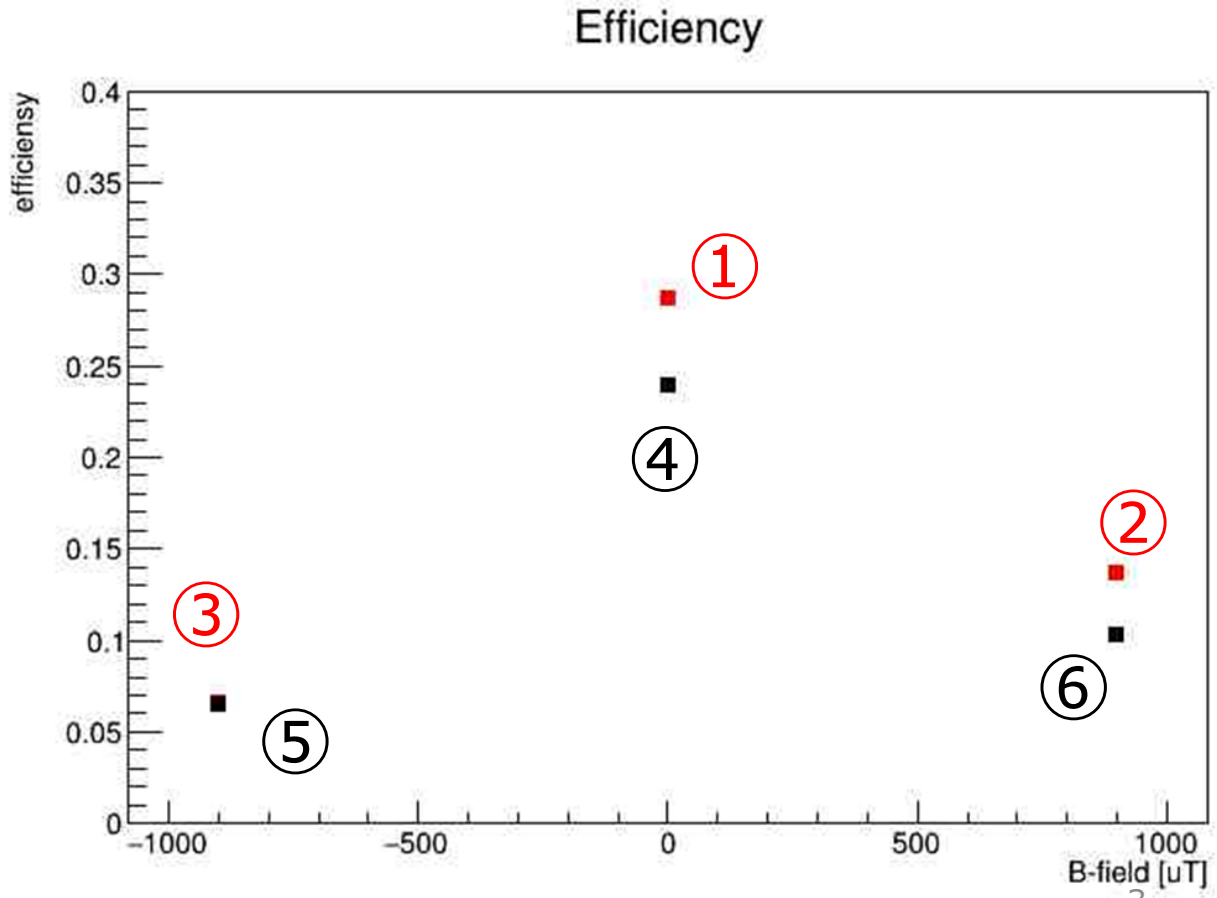
-900uT 2018/11/08 16:18

Black:2nd time

0uT 2018/11/08 16:28

-900uT 2018/11/08 16:47

900uT 2018/11/08 17:11



To the next

- I’m going to analyze PMT’s efficiency in lower B-fields.
- I’m going to find the cause of lower efficiency in 0 uT and 900 uT in 2nd measument.

From last week slide

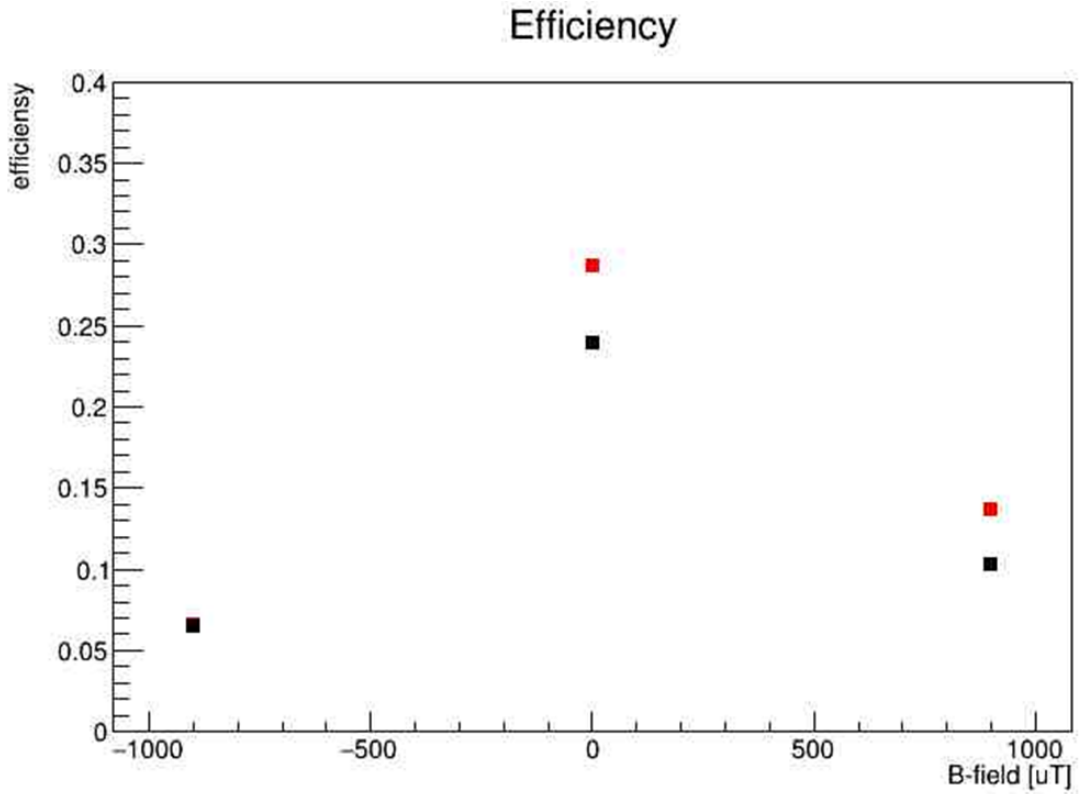
The number of clock generator's signal for ten mins.

This frequency is 1 kHz.

count
599767

red : 1st time

black: 2nd time



Efficiency of PMT

	-900uT	-900uT2	0mT	0mT2	900uT	900uT2
count	39496	38588	172074	143646	82079	61464
efficiency	0.065852	0.064338	0.286901	0.239503	0.136851	0.10248