

Status report

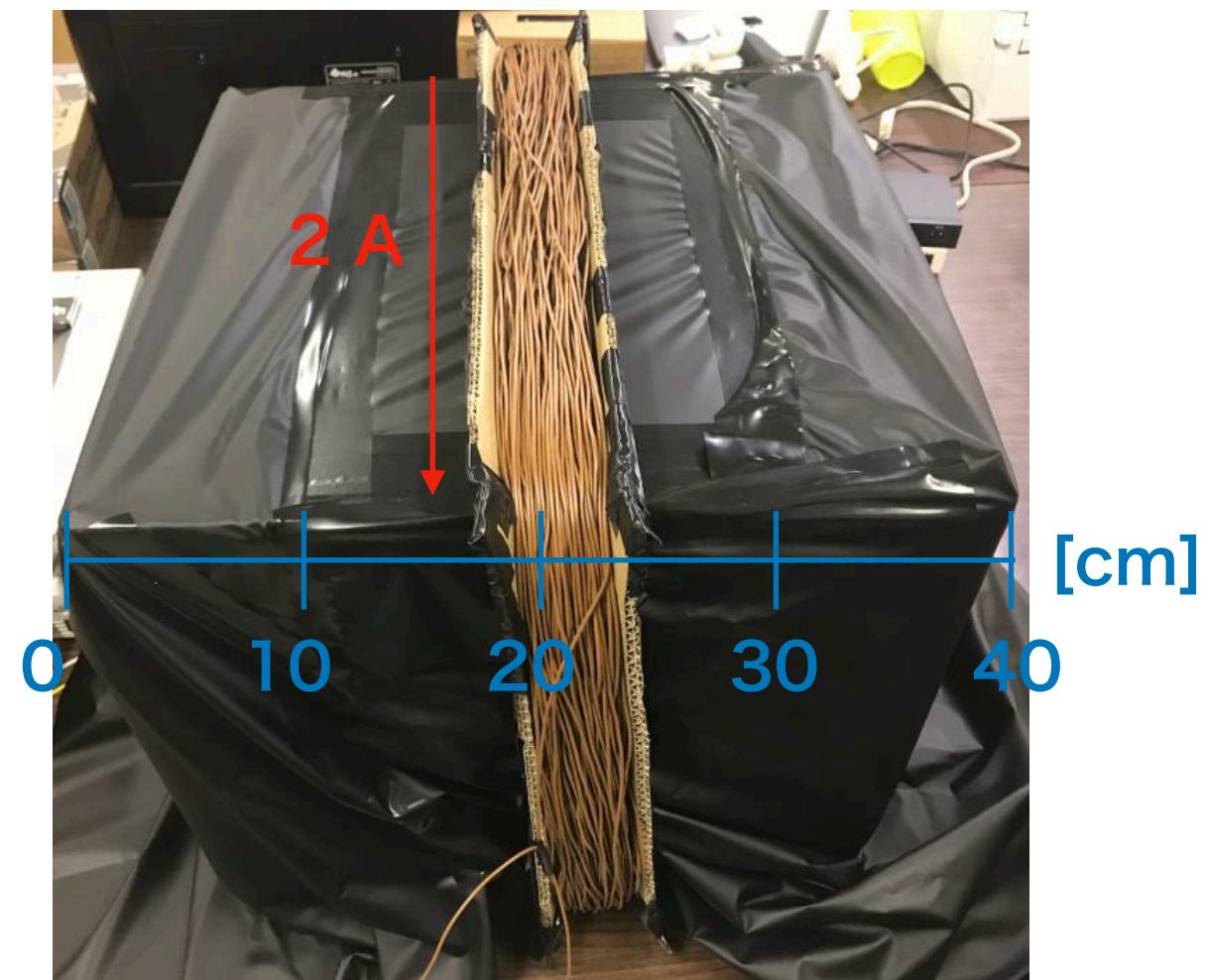
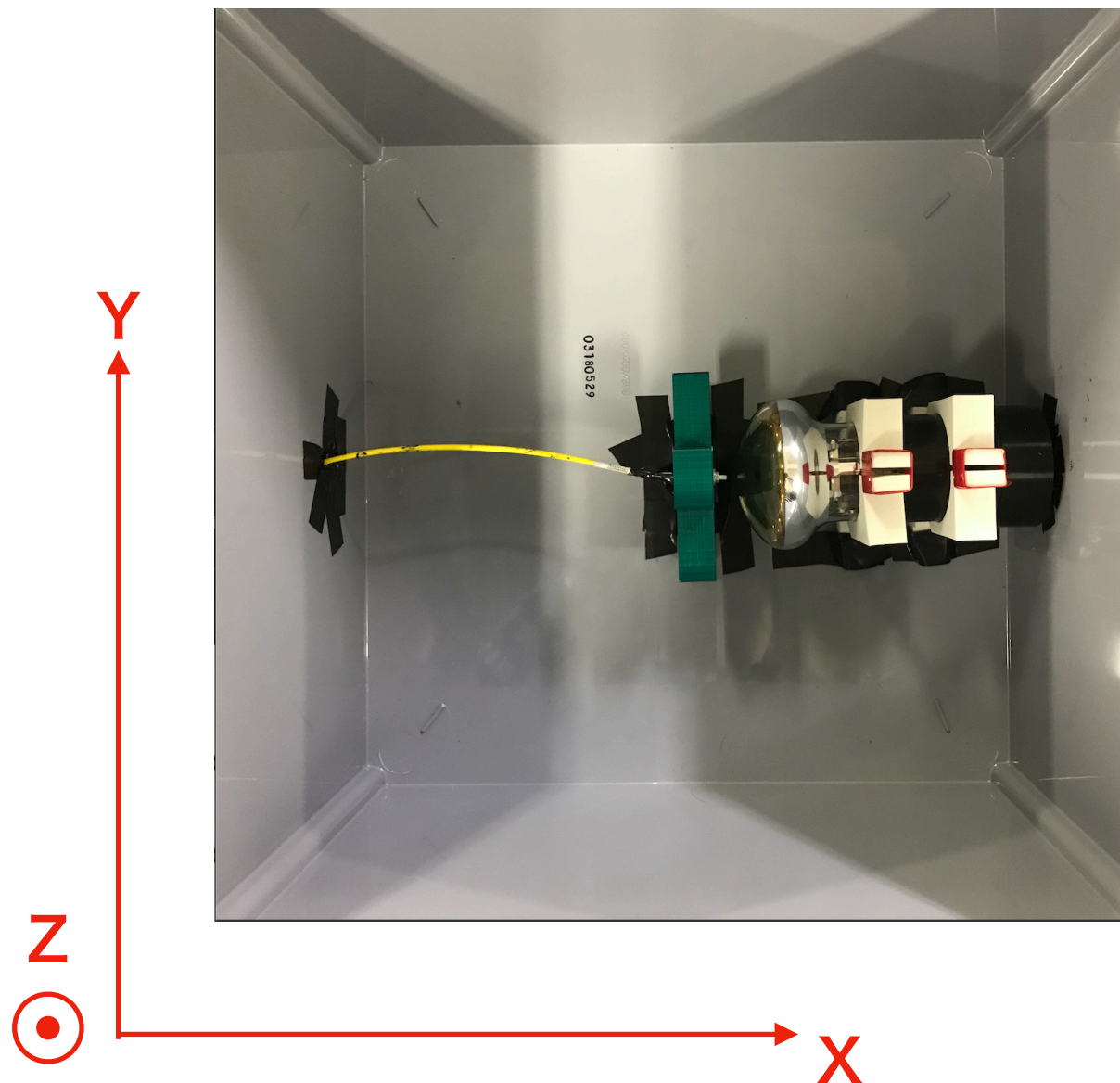
08/30/2019

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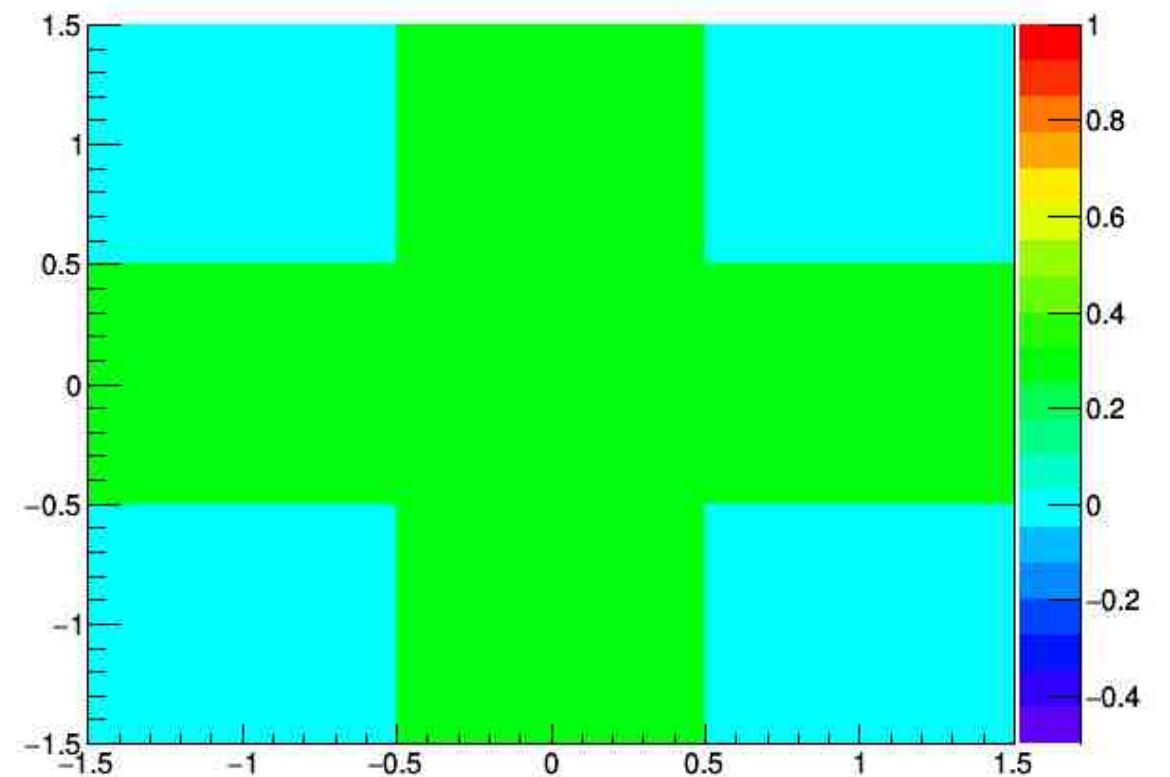
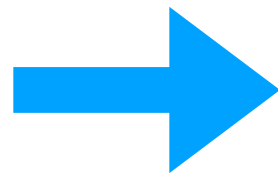
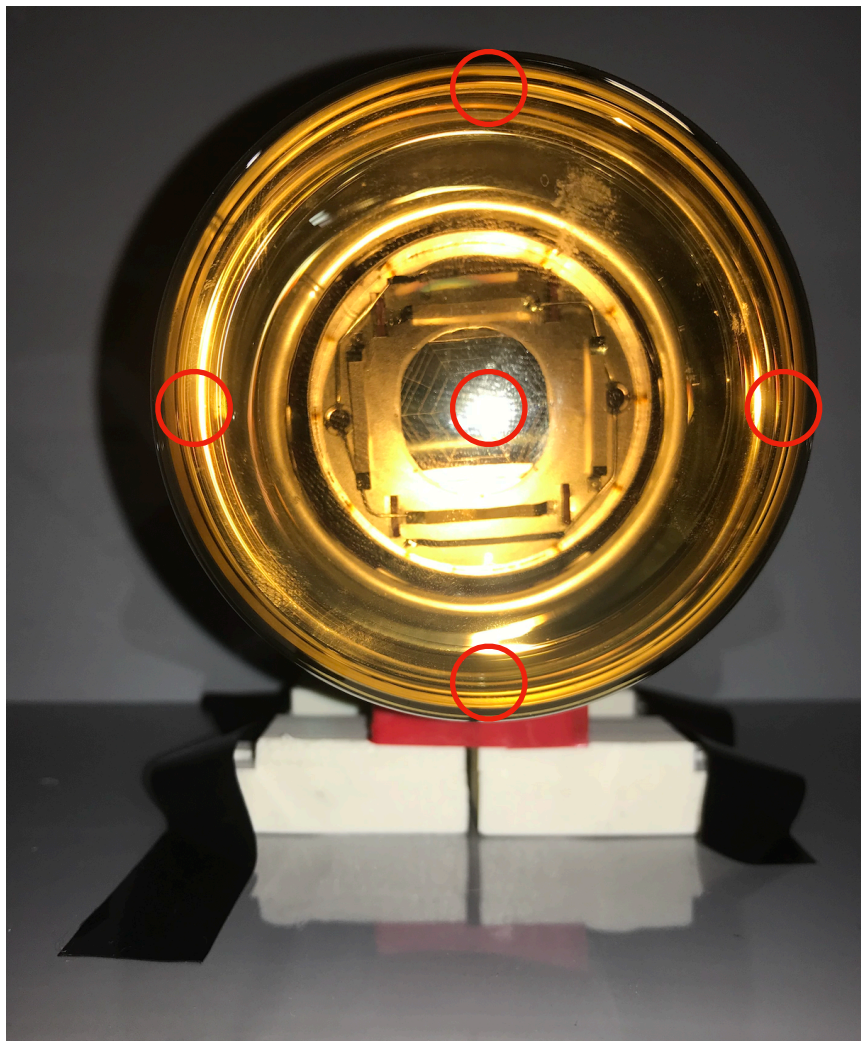
Magnetic field

I applied magnetic field with coil surrounding the dark box.
I checked the magnetic field of three orthogonal directions (X, Y, Z).
I measured it with a Gauss meter in every 10 cm.



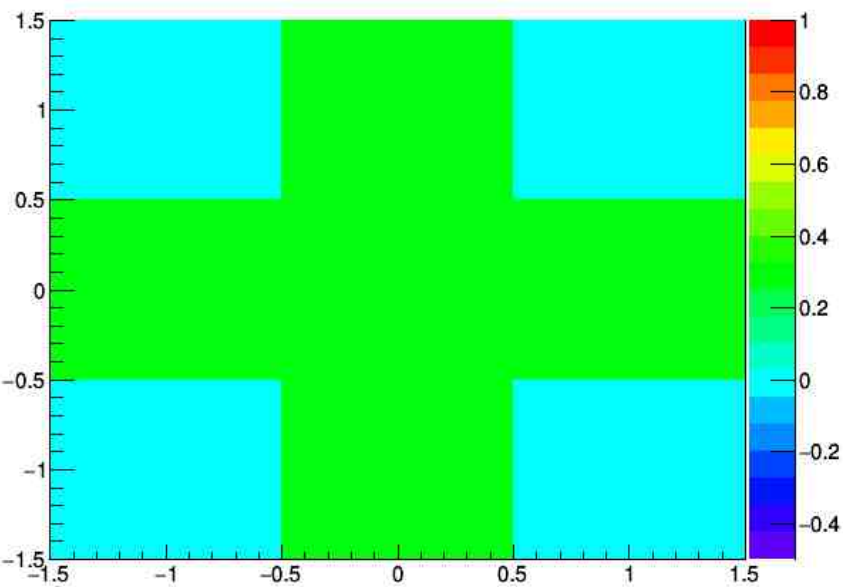
Magnetic field

I measured magnitudes of magnetic field at 5 points on photocathode. The 5 points mean center, top/bottom, and left/right on photocathode.

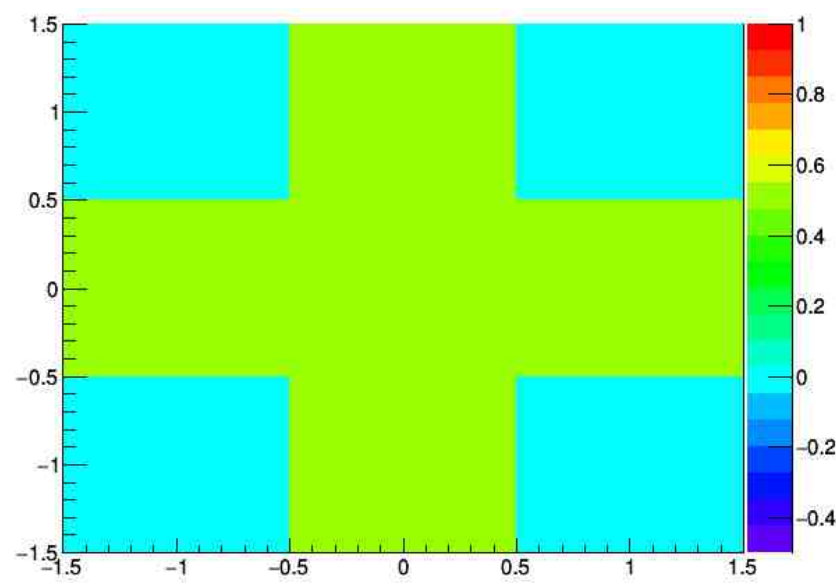


Magnetic field

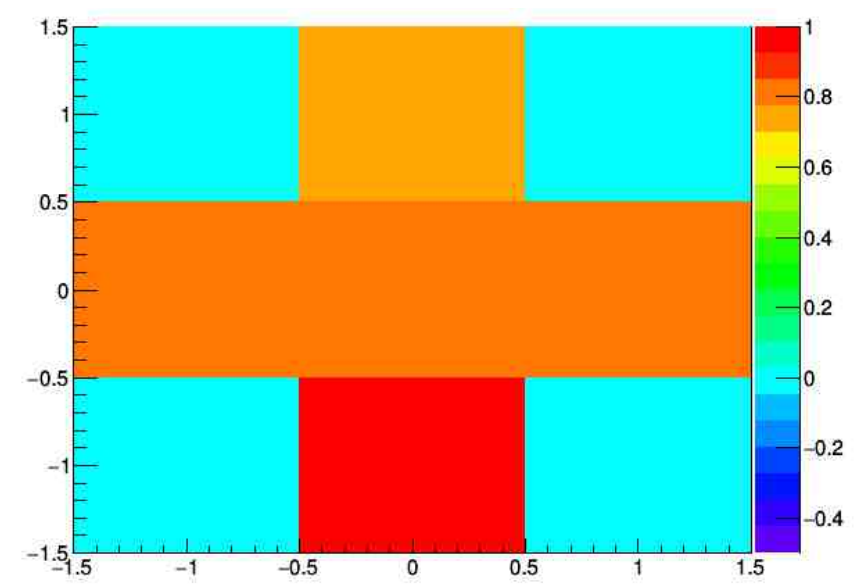
0 cm



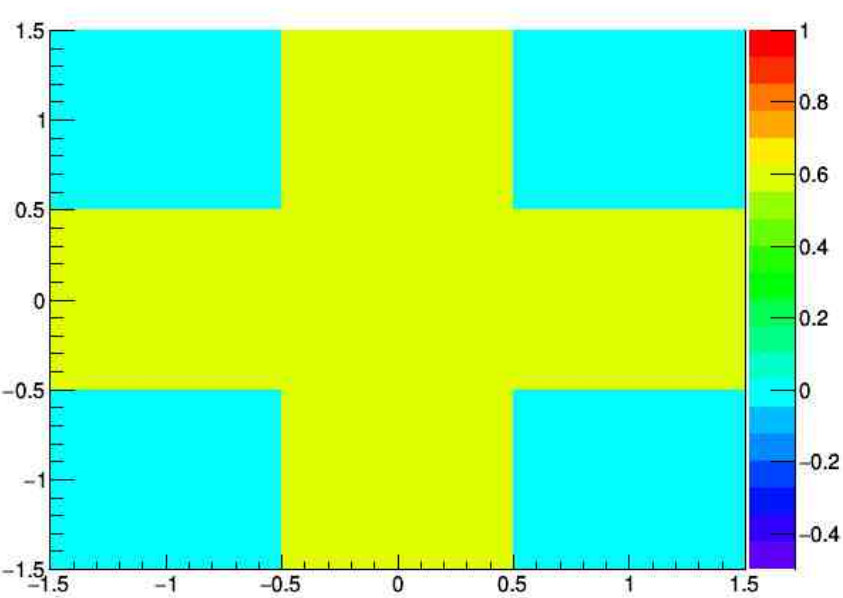
10 cm



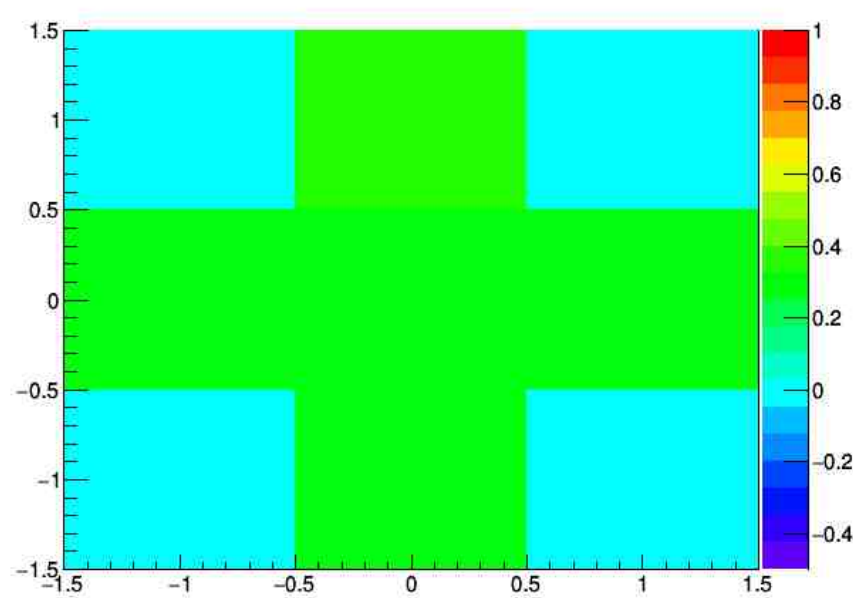
20 cm



30 cm



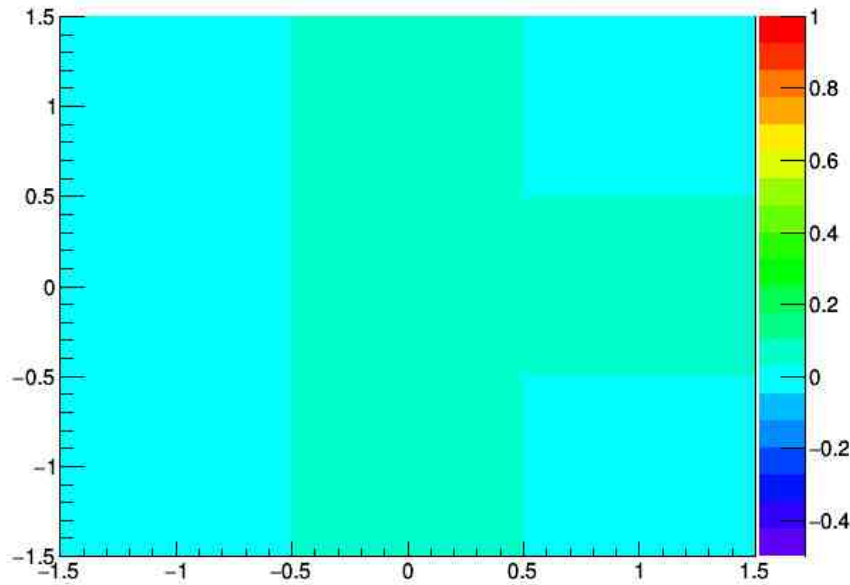
40 cm



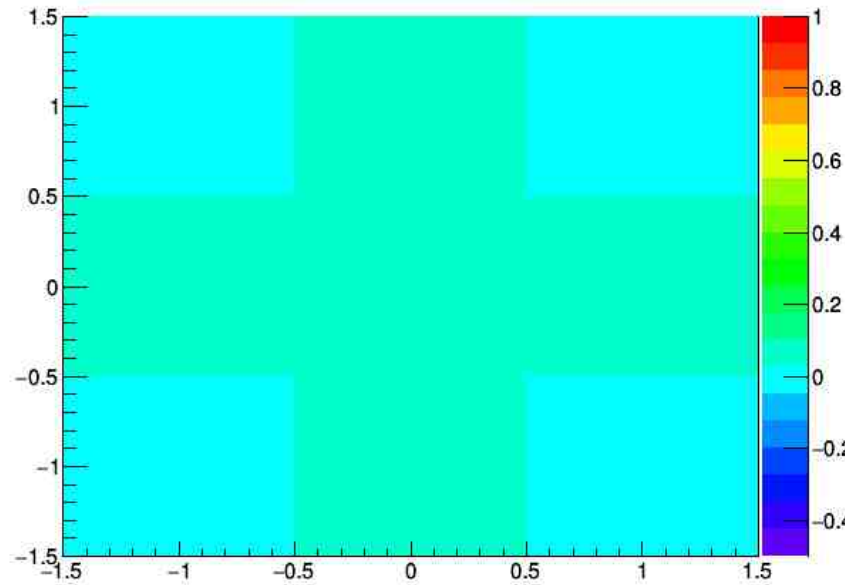
X components

Magnetic field

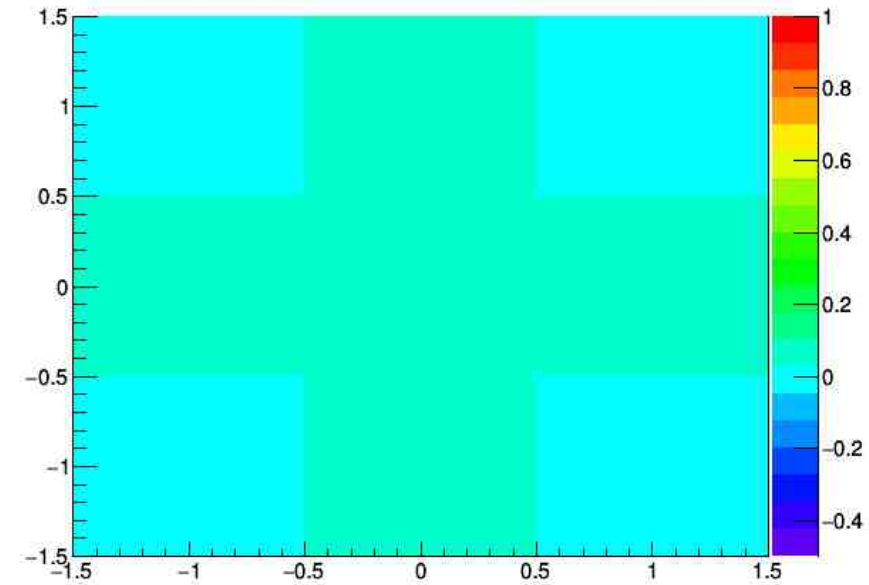
0 cm



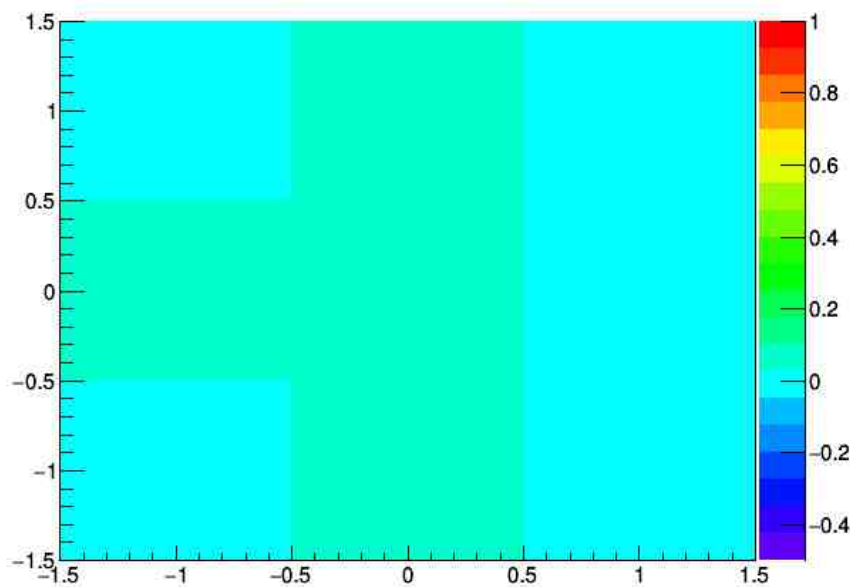
10 cm



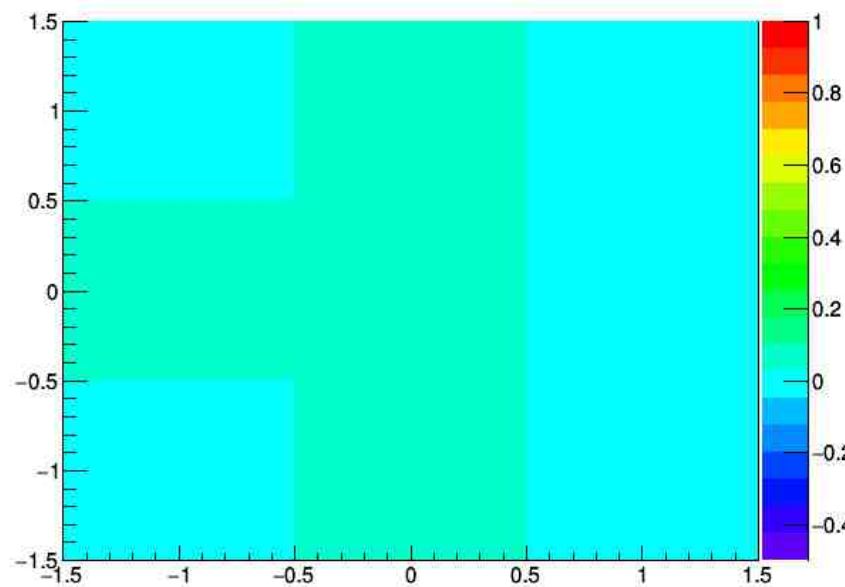
20 cm



30 cm



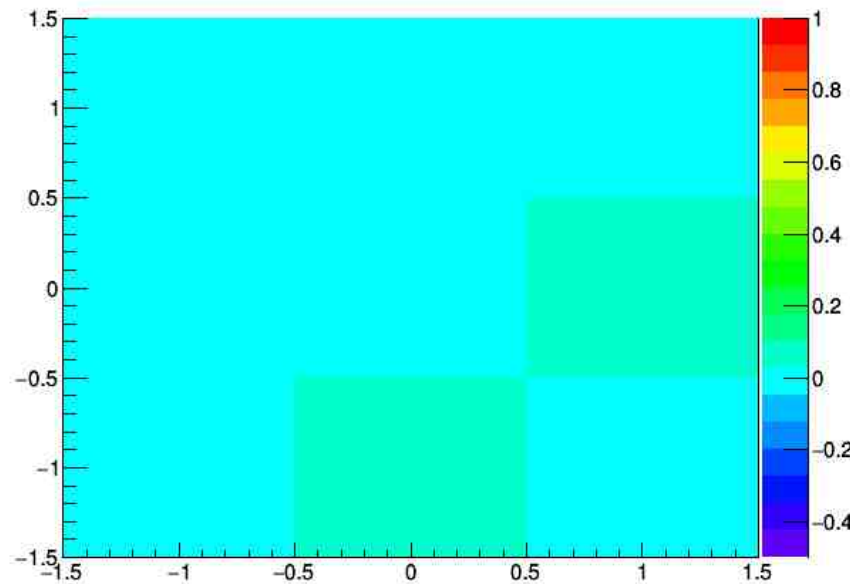
40 cm



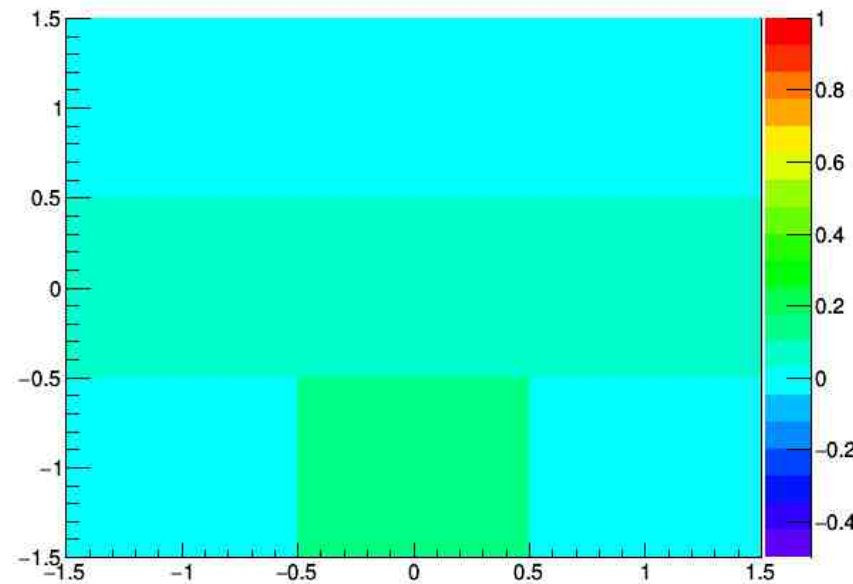
Y components

Magnetic field

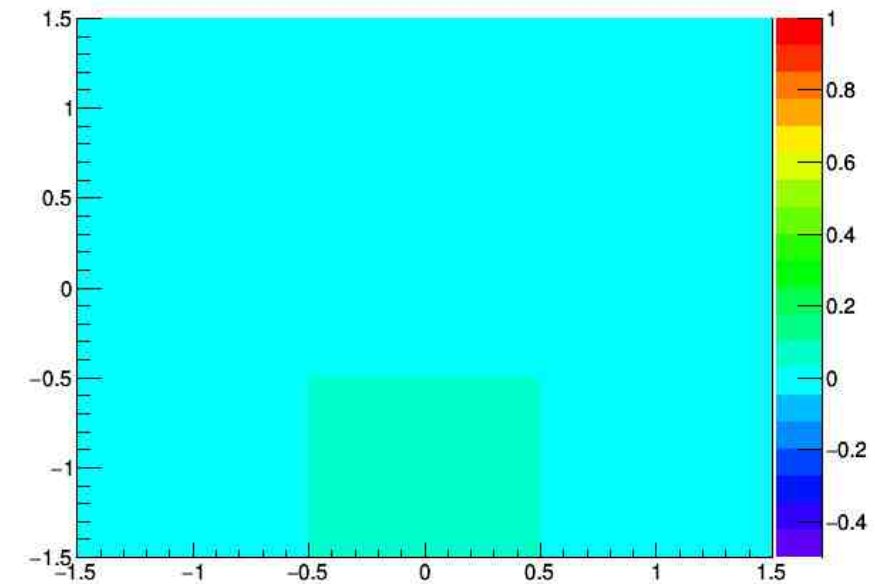
0 cm



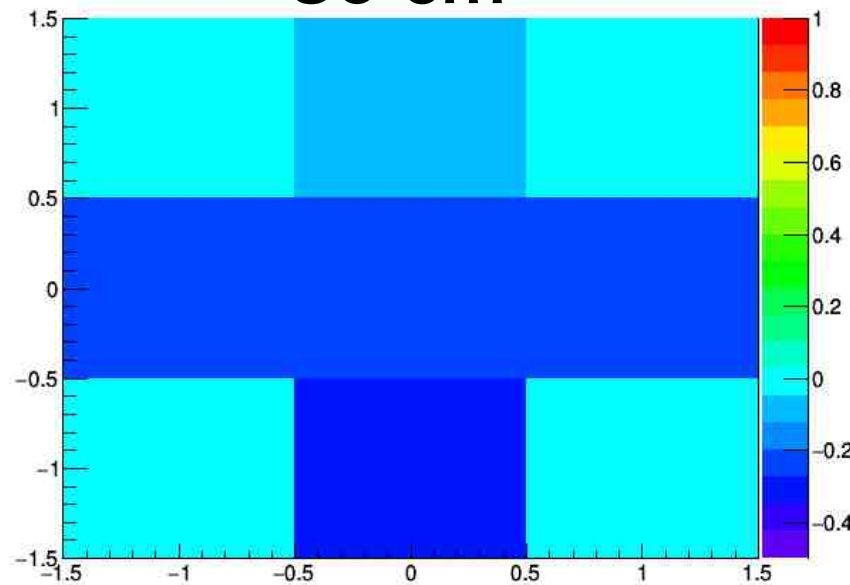
10 cm



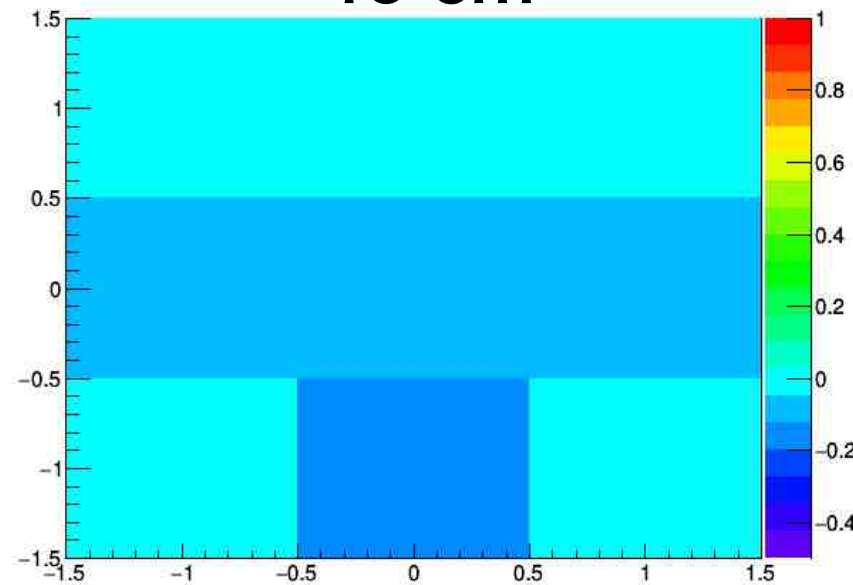
20 cm



30 cm



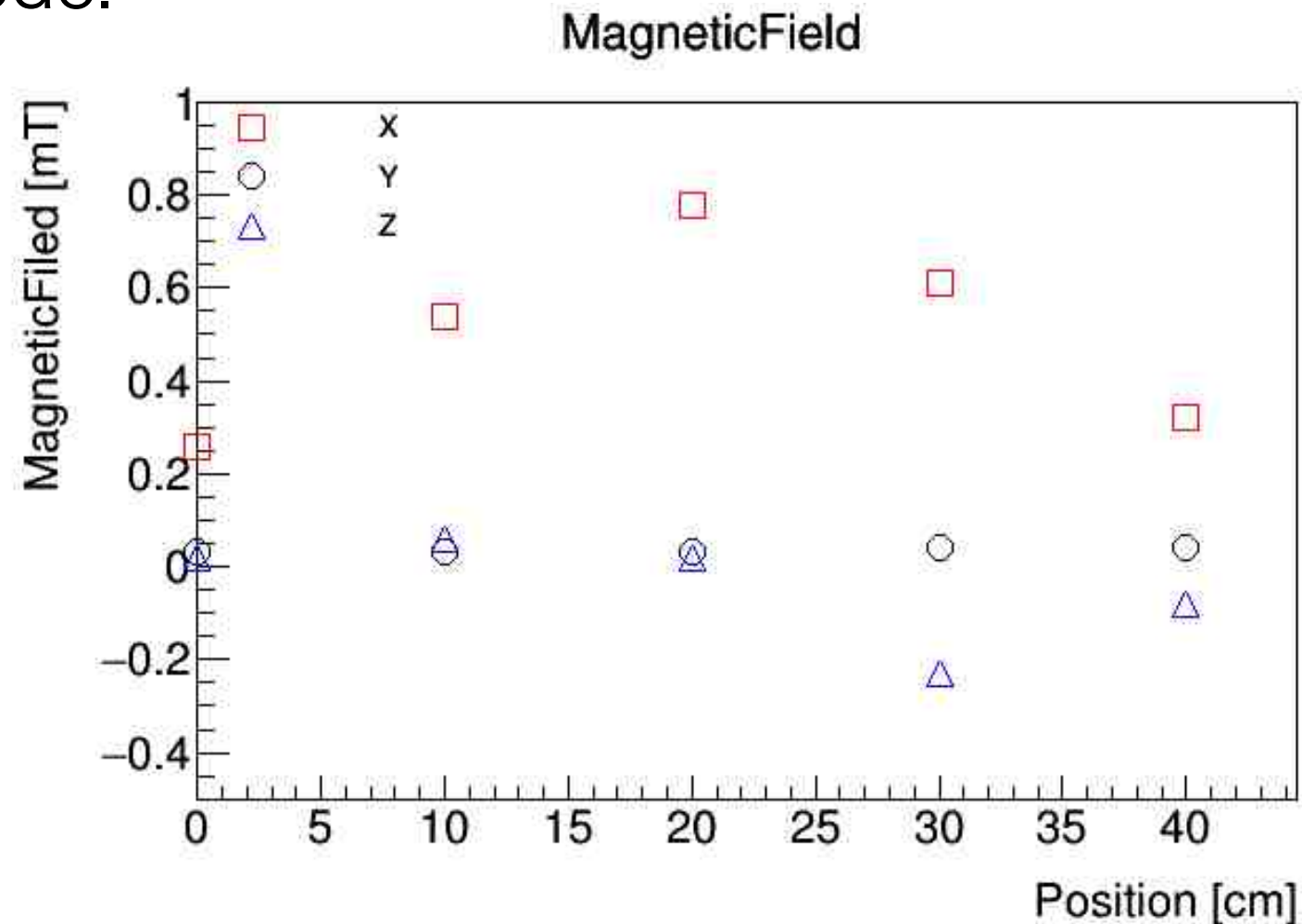
40 cm



Z components

Magnetic field

This figure shows position dependence of magnetic field at the center of photocathode.



- ➡ This figure shows no significant variation in the range of from photocathode to 1st dynode (about 5 cm).
- ➡ I will fix the Gauss meter and check the dependence because the Gauss meter is sensitive to angle.

Future plan

- I will measure efficiency of 3 inch PMT in some B-fields parallel to photocathode.