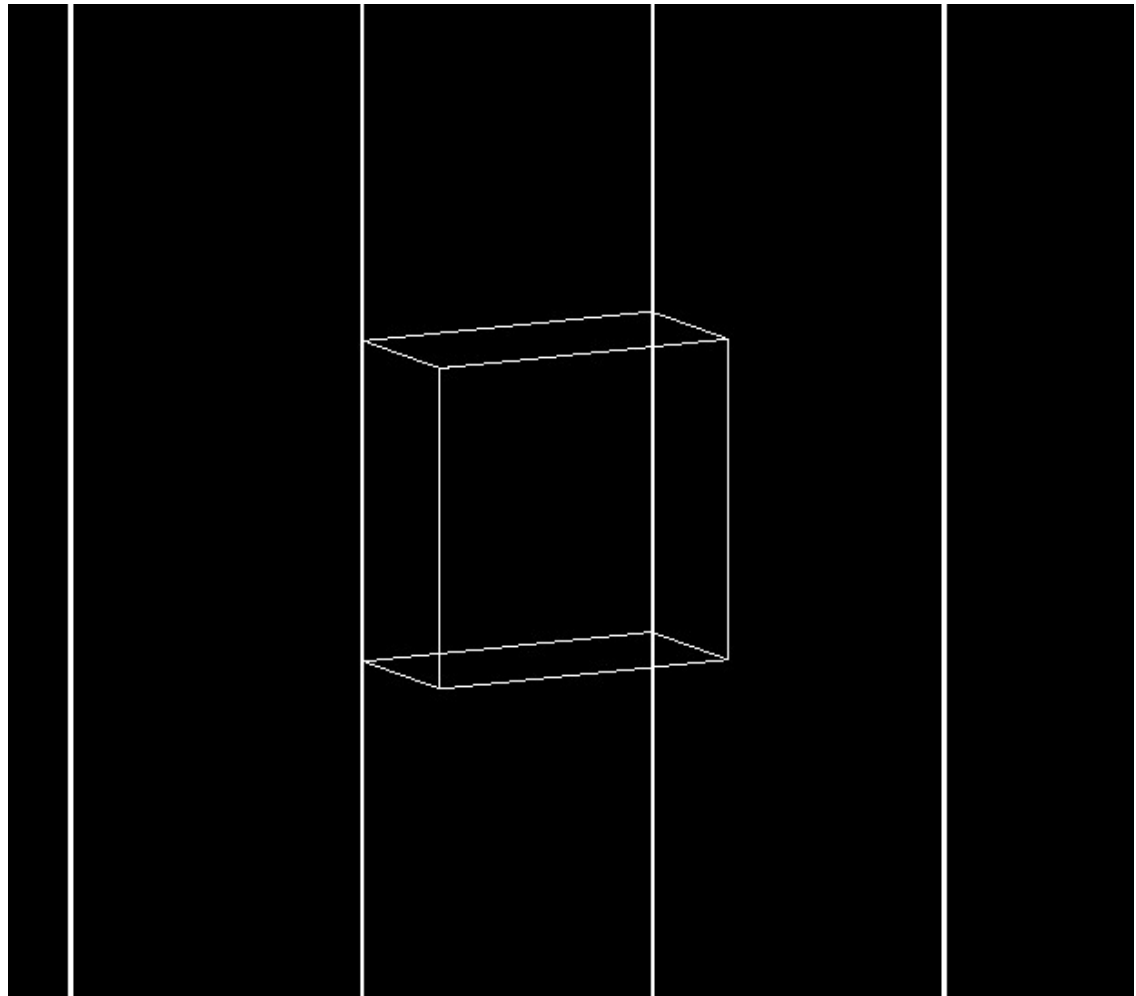
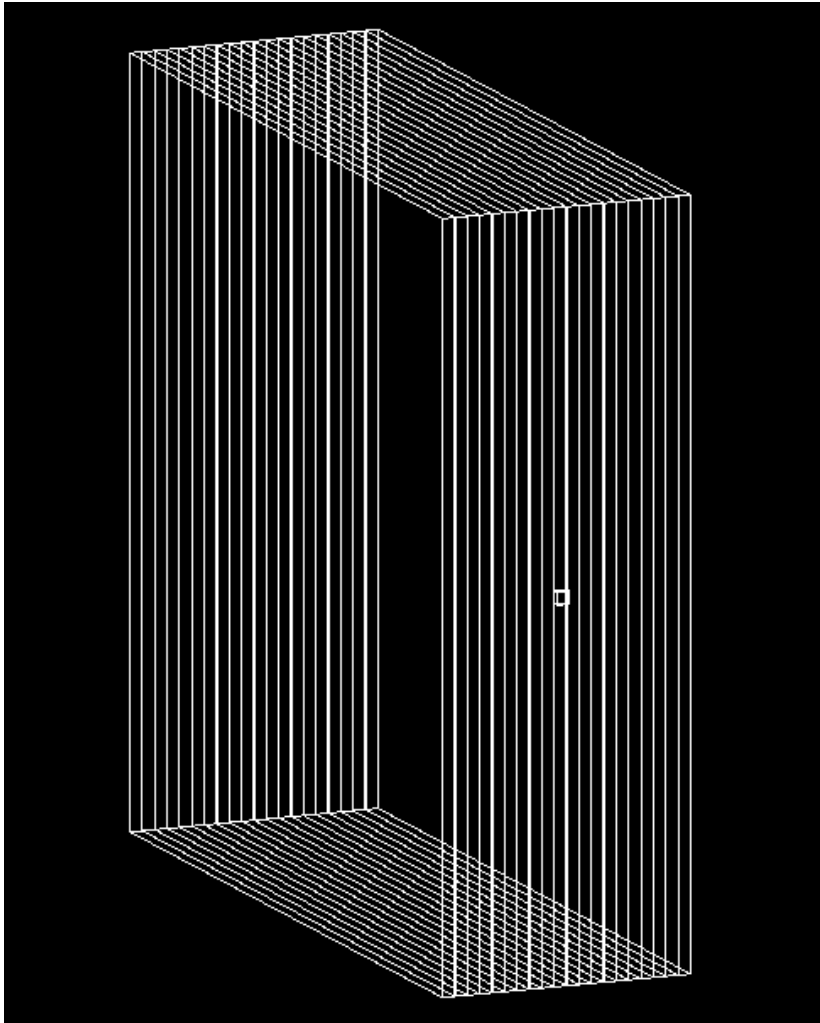


# Simulation of segmented calorimeter: First attempts with sensitive detector

# Remove Anastasias PMT, add “Photodiode”

So far it's just a cube of some material ( $2 \times 2 \text{ mm}^2$  surface) but it's able to count incident photons. (21 for one proton at a light yield of 10,000 photons/MeV)



# Remaining problems

- Visualization: Particles not displayed, unable to save picture

```
“libGL error: unable to load driver: nouveau_dri.so  
libGL error: driver pointer missing  
libGL error: failed to load driver: nouveau  
QObject::connect: Cannot connect (null)::textEdited ( const QString &) to  
G4OpenGLQtViewer::changeSearchSelection()”
```

- Optical parameters of scintillator?
  - What energies?
  - What light yield?
  - Reflection coefficients, absorption, etc.
- Define clear goal of simulation