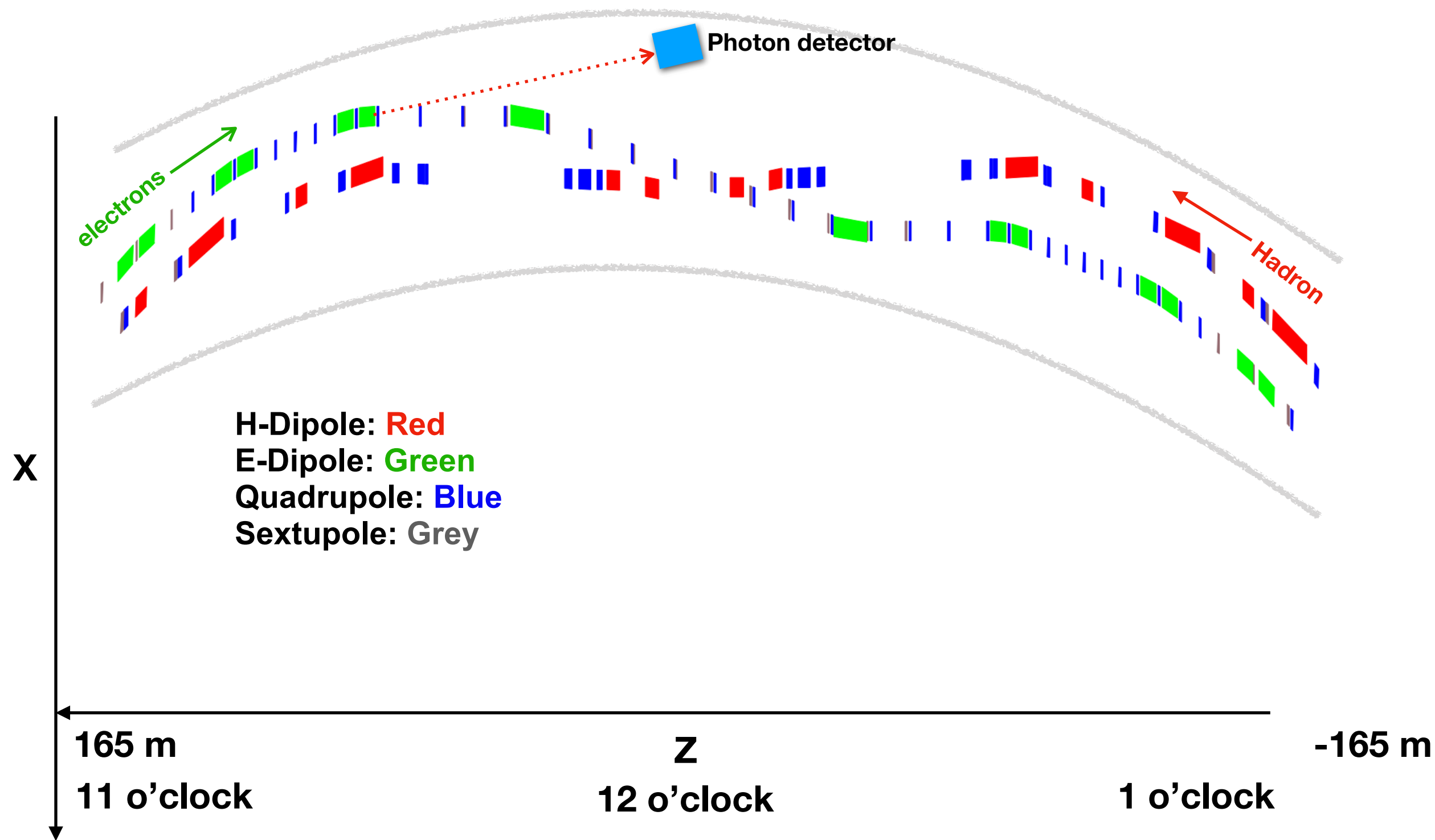
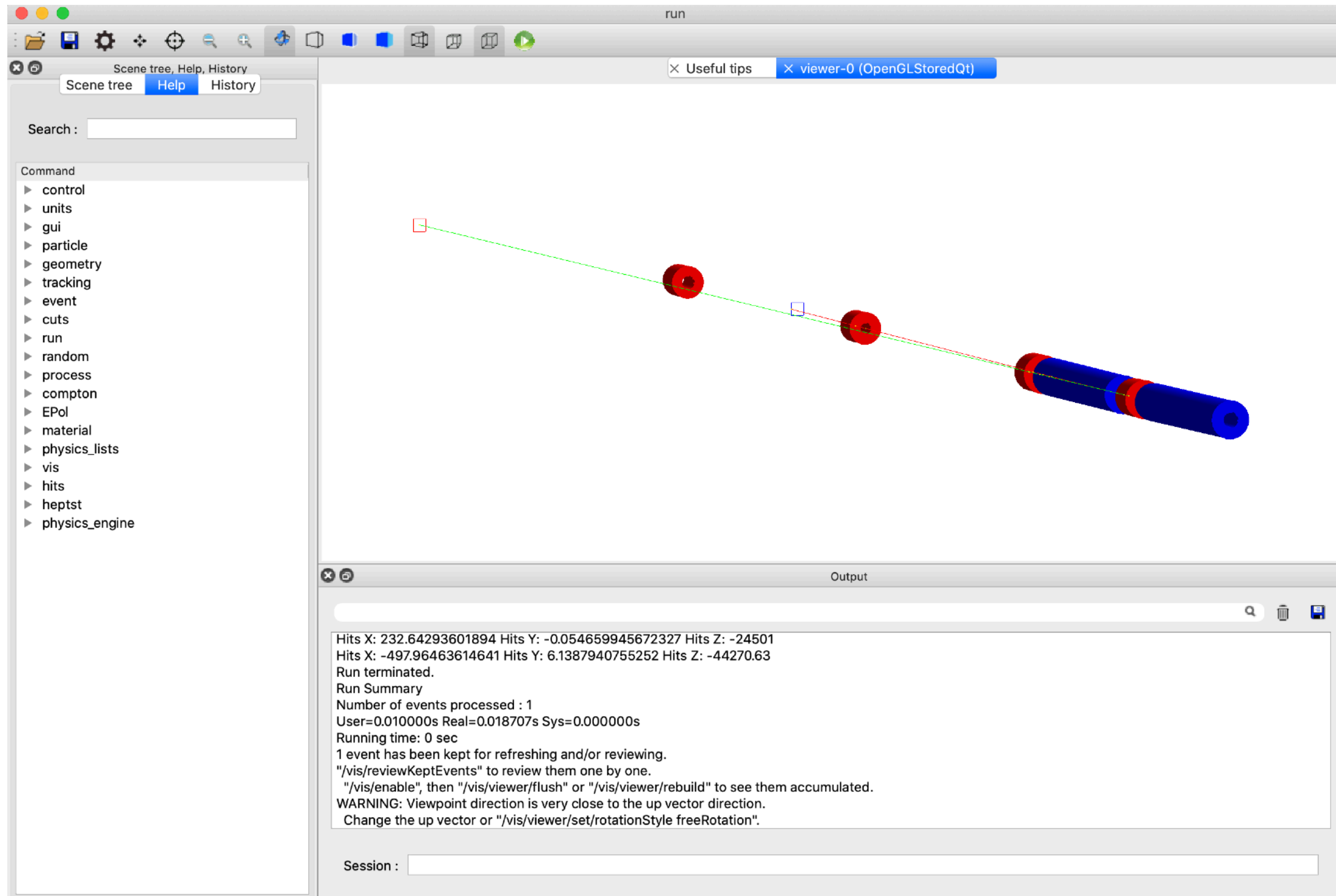

Geometry requirement for the magnets

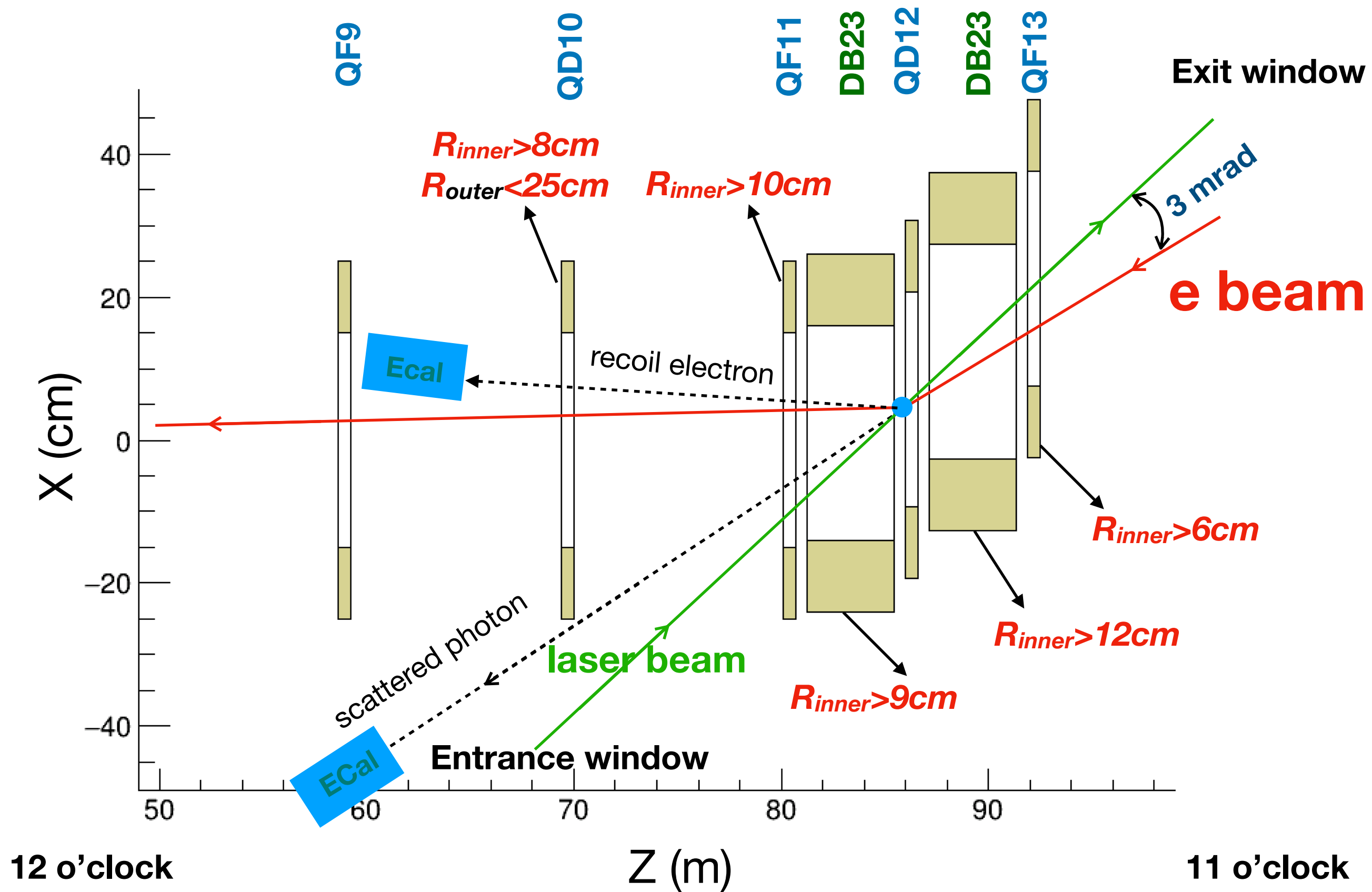
Zhengqiao Zhang
BNL

IR12 layout

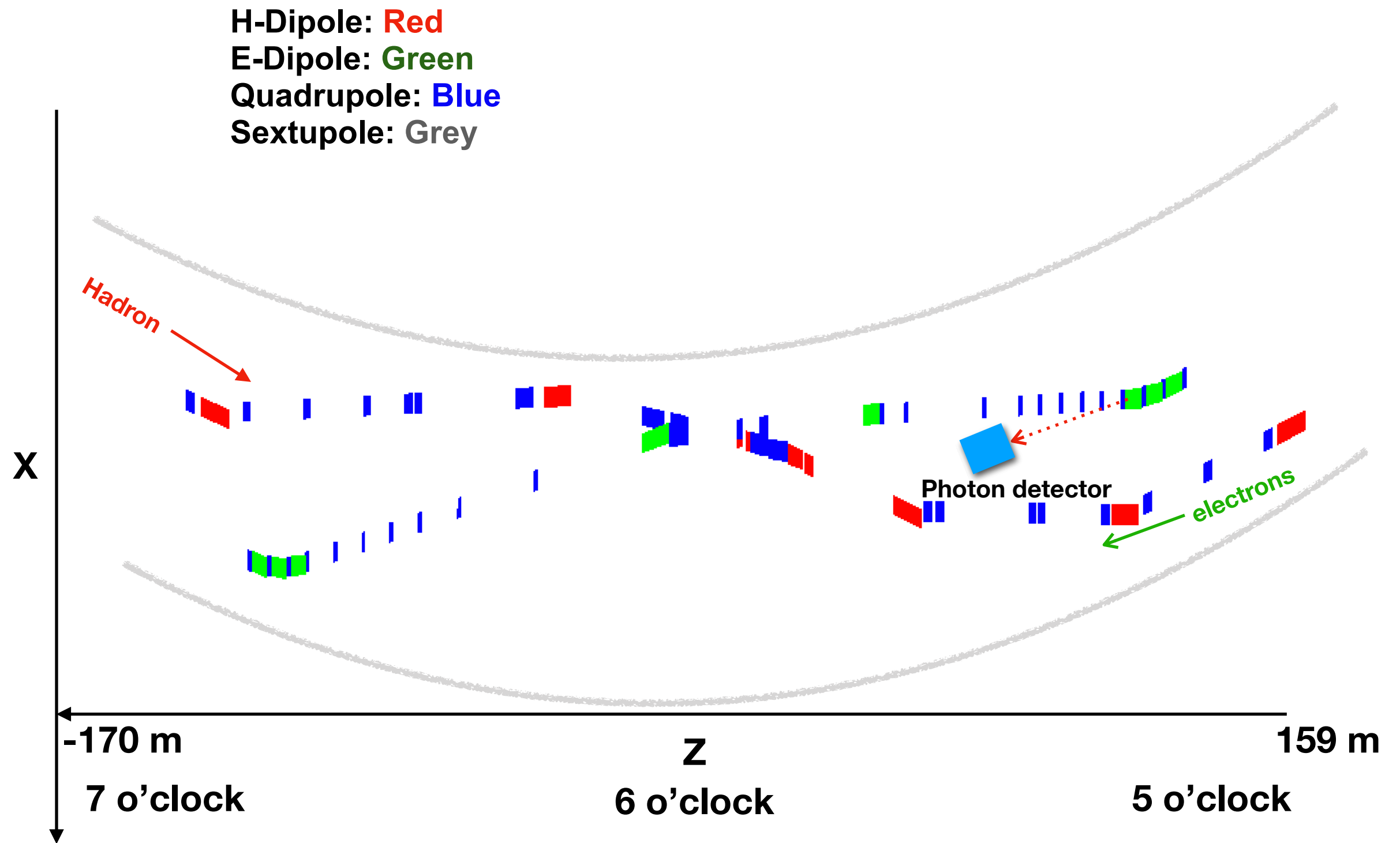


IR12 layout

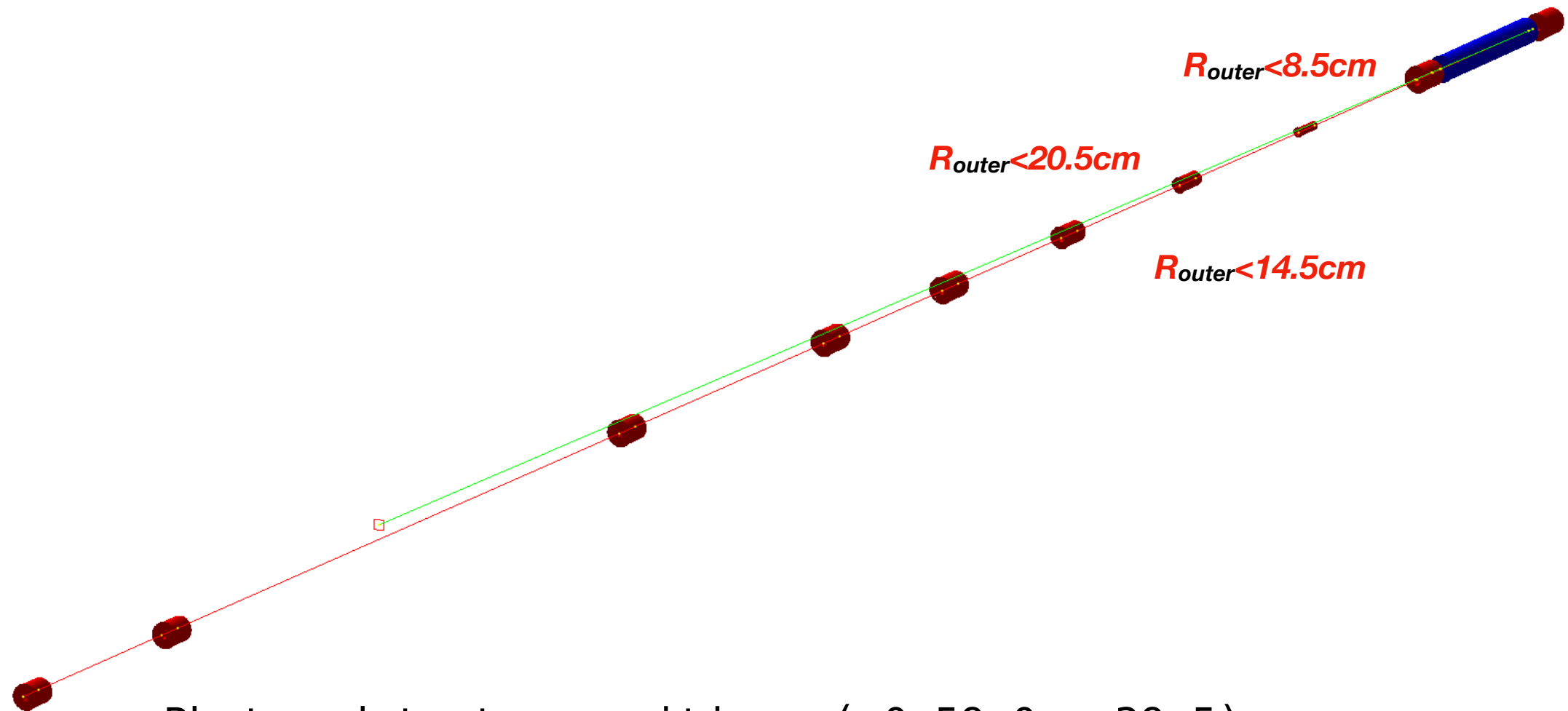




New IR6 layout

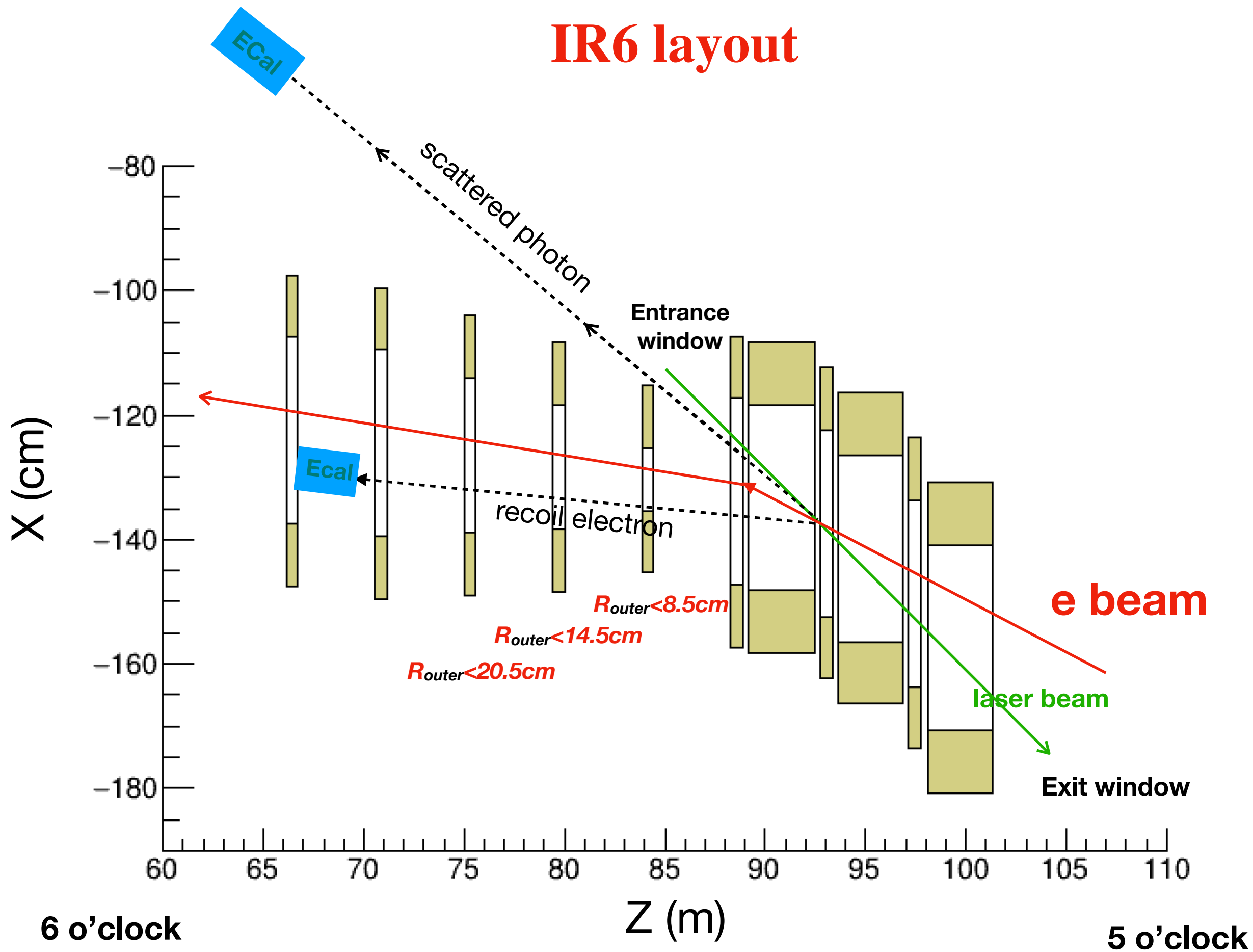


IR6 layout



Photon detector position: $(-0.59, 0, -39.5)$;
About 1 meter away from the hadron beam;
About 40 meters away from the interaction point;

IR6 layout



Next step

Basic design for photon detector:

**The basic idea is using electromagnetic calorimeter;
Other technique to improve the position measurement?**

Thanks