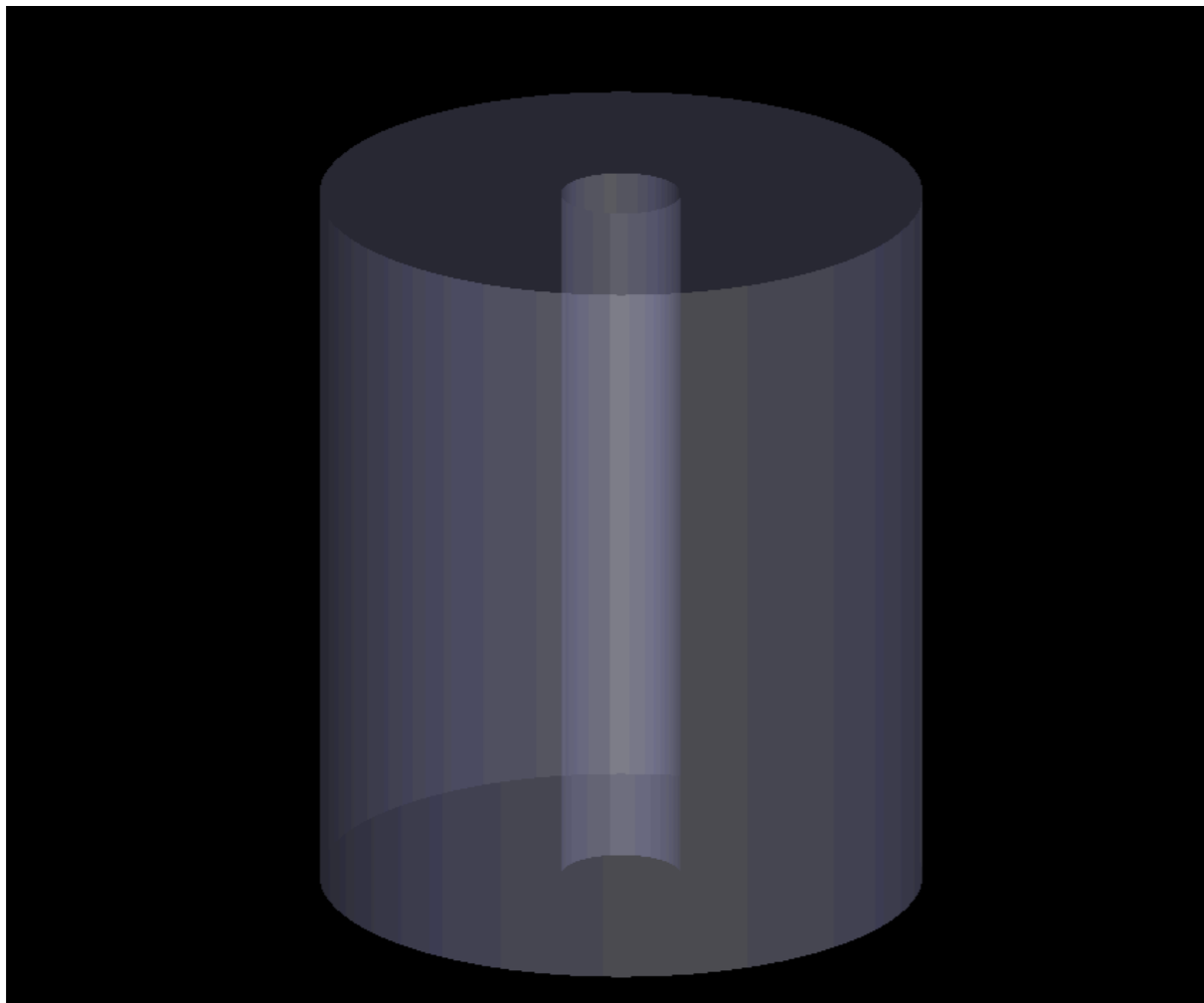


Group Meeting

Jeonghyeok Park

Geometry of TPC in GEANT



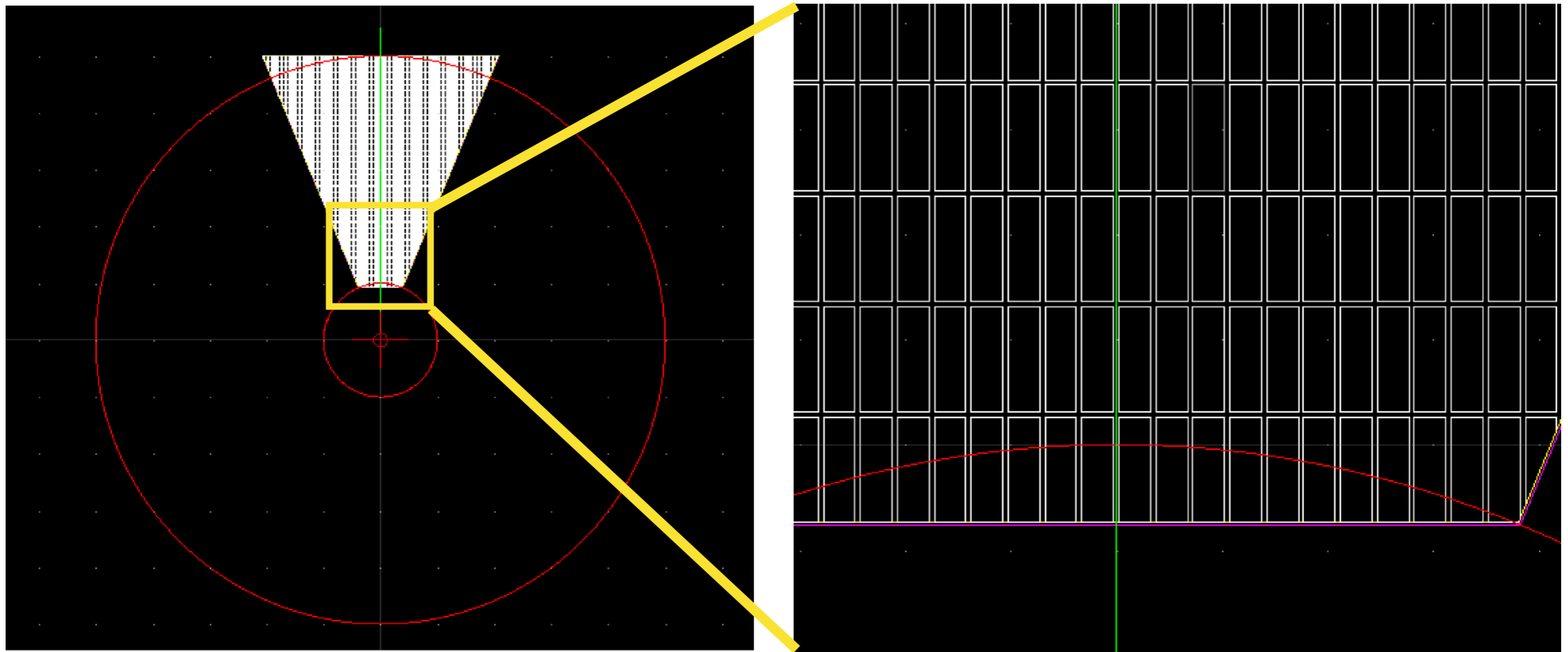
LAMPS TPC

Inner Radius : 100 mm
Outer Radius : 500 mm
Height : 1200 mm
With P20 gas

Its prototype

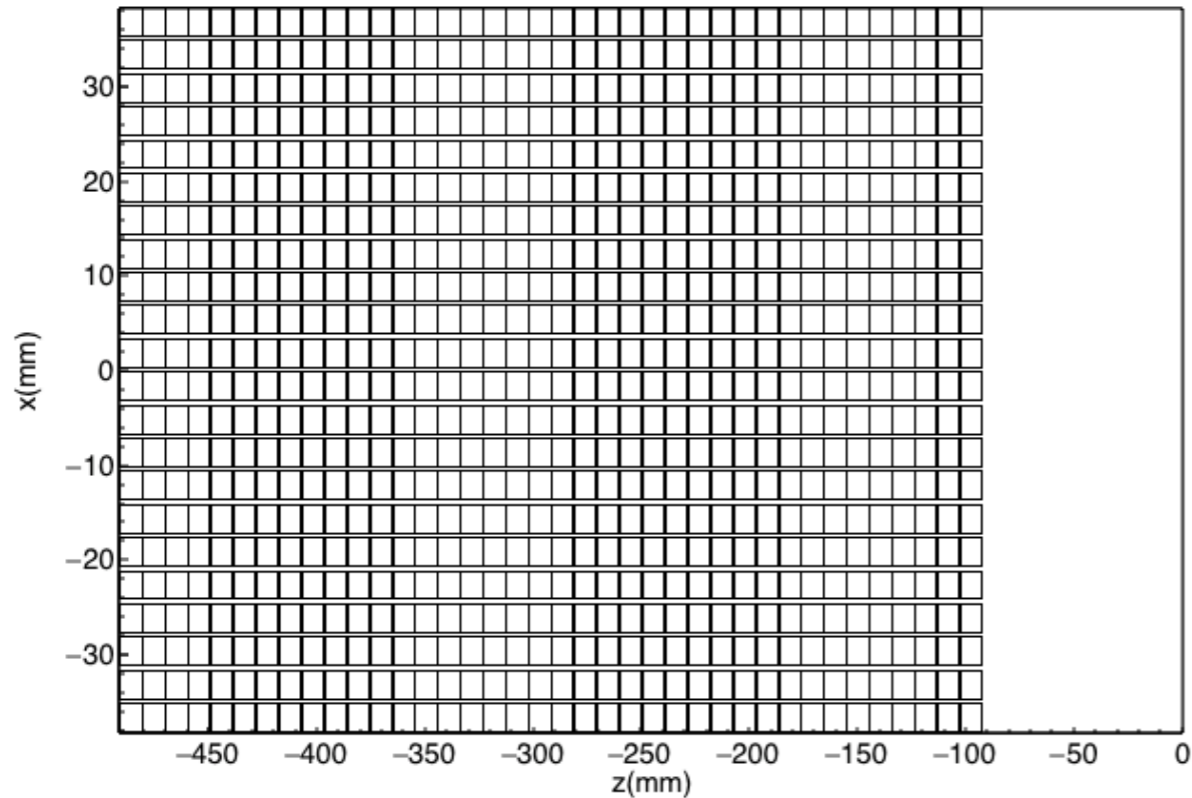
Inner Radius : 75 mm
Outer Radius : 245 mm
Height : 570 mm
With P10 gas

Design of LAMPS TPC

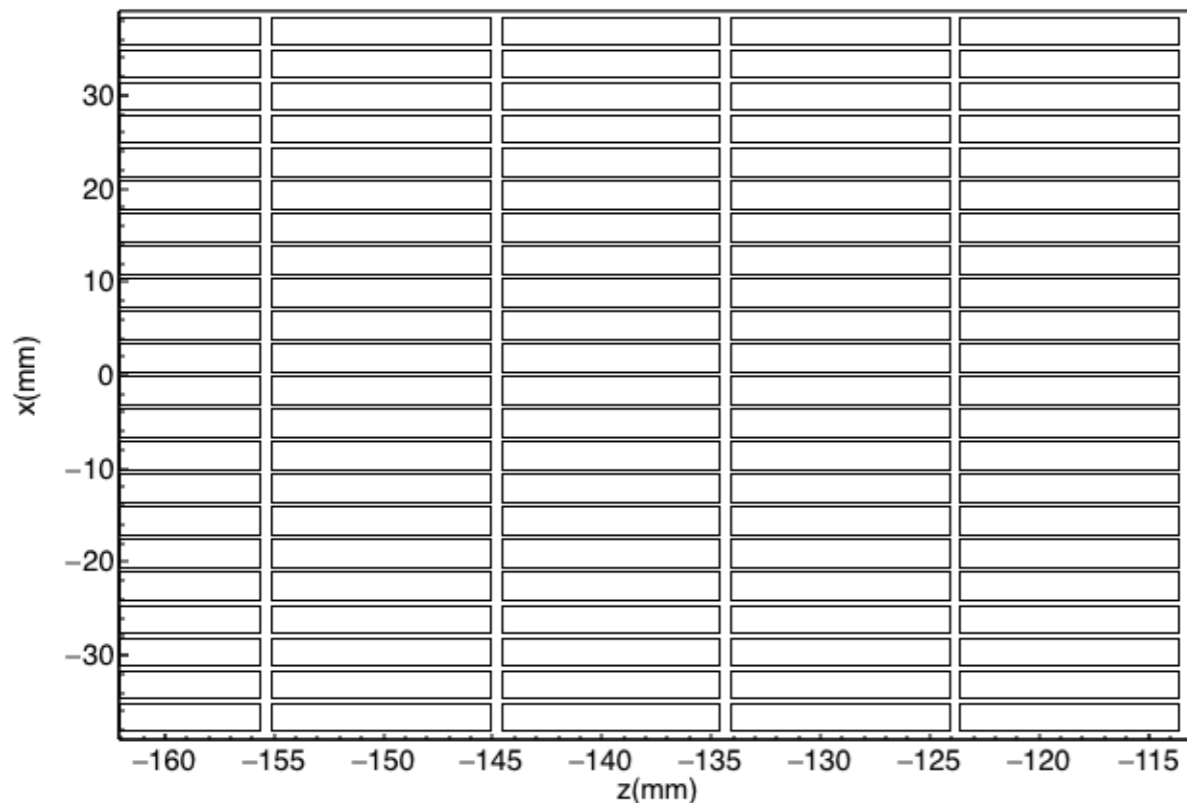


**Design for pad plane of LAMPS TPC from Dr. Youngjin Kim.
The gap between each pad is 0.5 mm.
Pad has size of 3 mm x 10 mm.**

Geometry of Pad



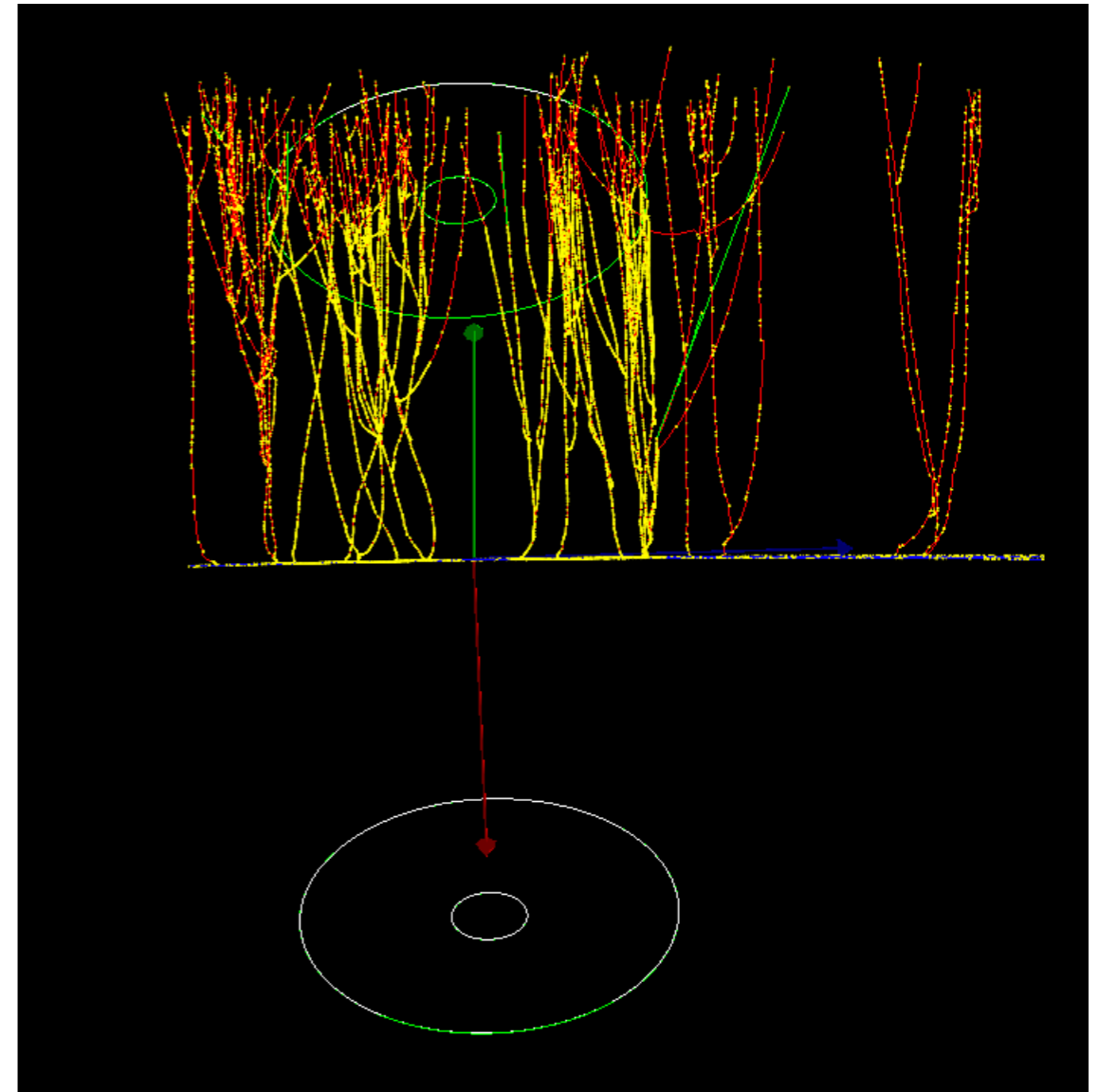
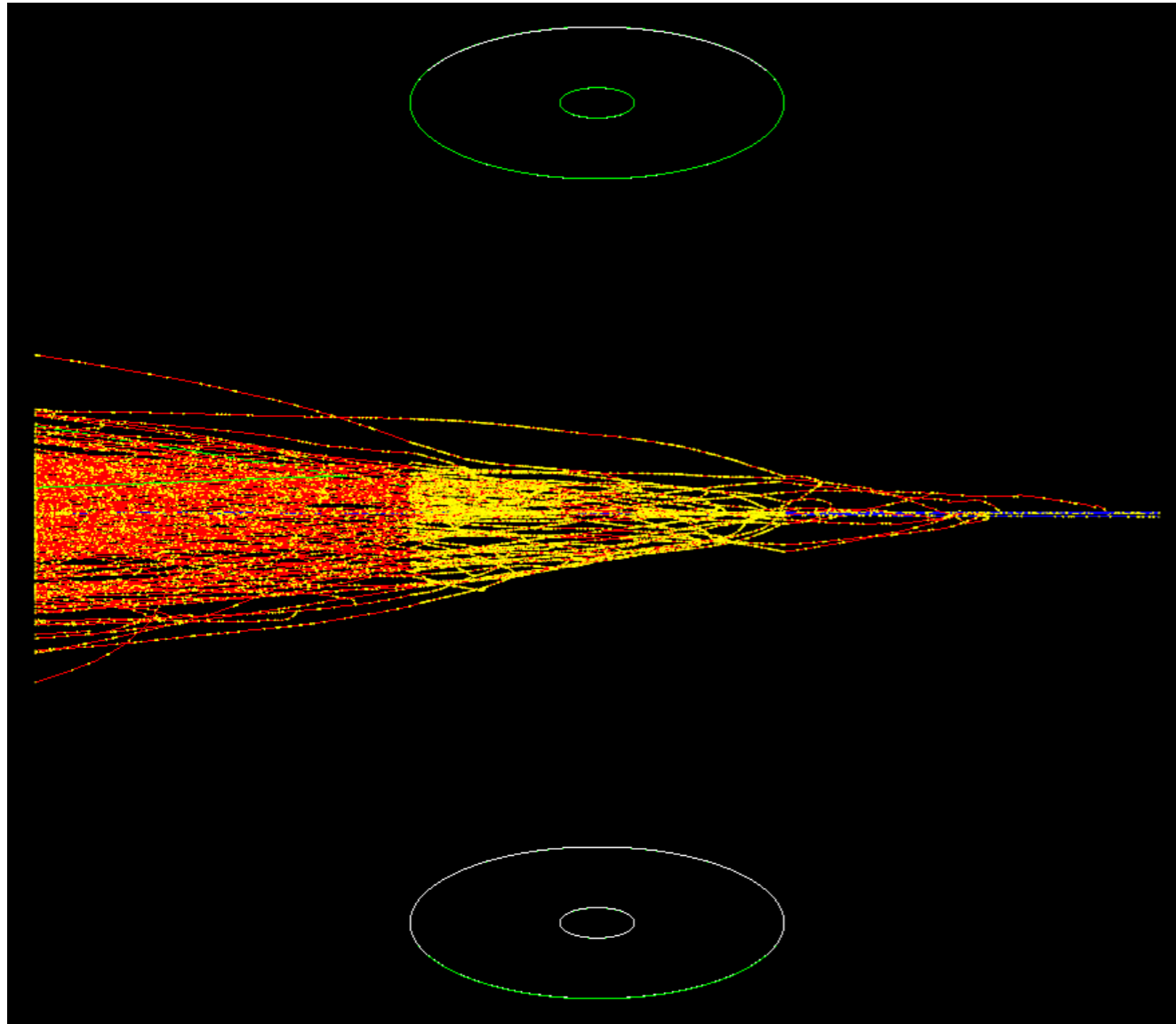
**Made an geometry of pad plane
in KEBI (software Jungwoo made)**



**I need to make the geometry
like its design but I cannot make
it right now, this will be fixed.
(Only made like rectangular shape)**

Simulation with Garfield

To make an accurate simulation, applied Garfield into GEANT4
If it helps, KEBI can make an upgrade.(I think..)



Did't know why electron moves like LHS
But the reason was Euler Angle.