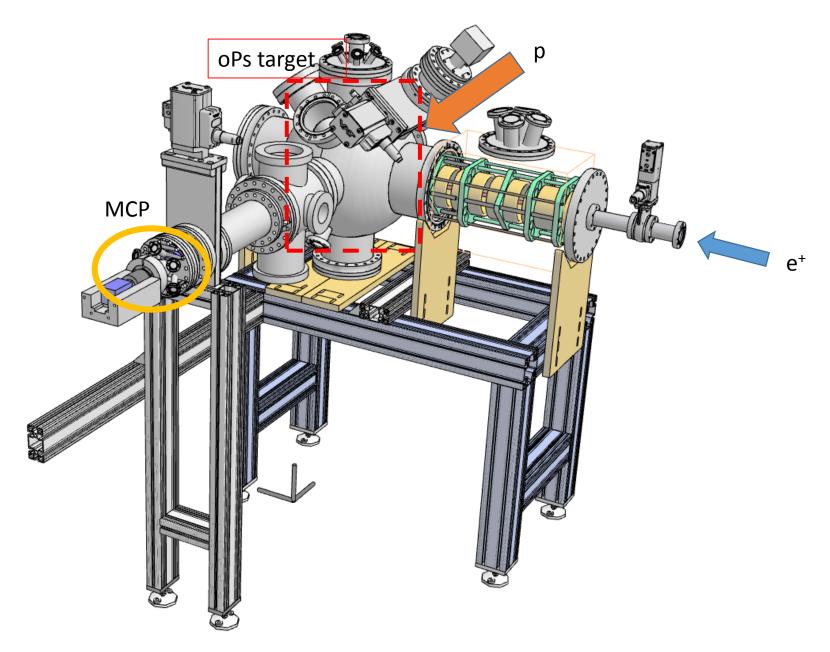
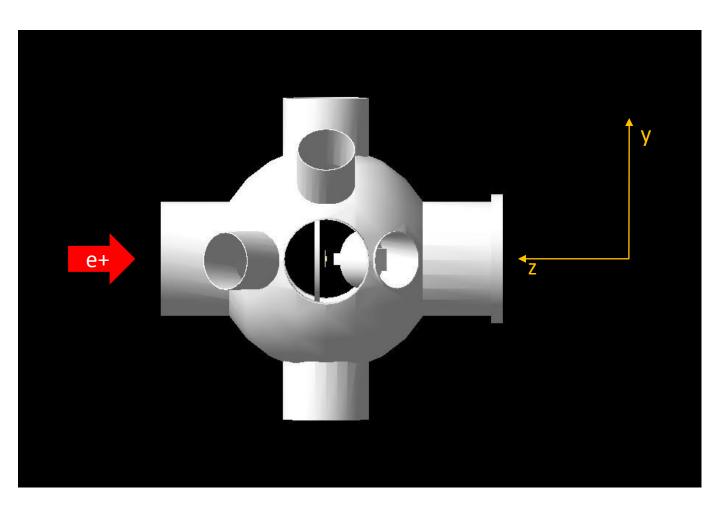
# Positronium intensity measurement preparation (GBAR)

SNU

Bongho Kim

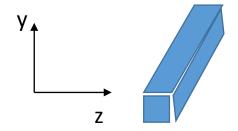


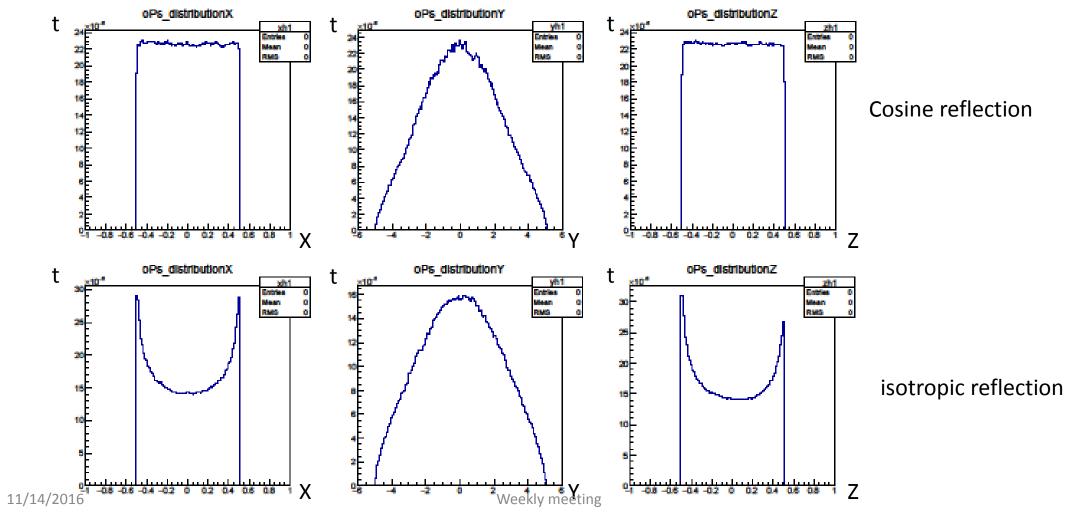
## Simulation geometry changed



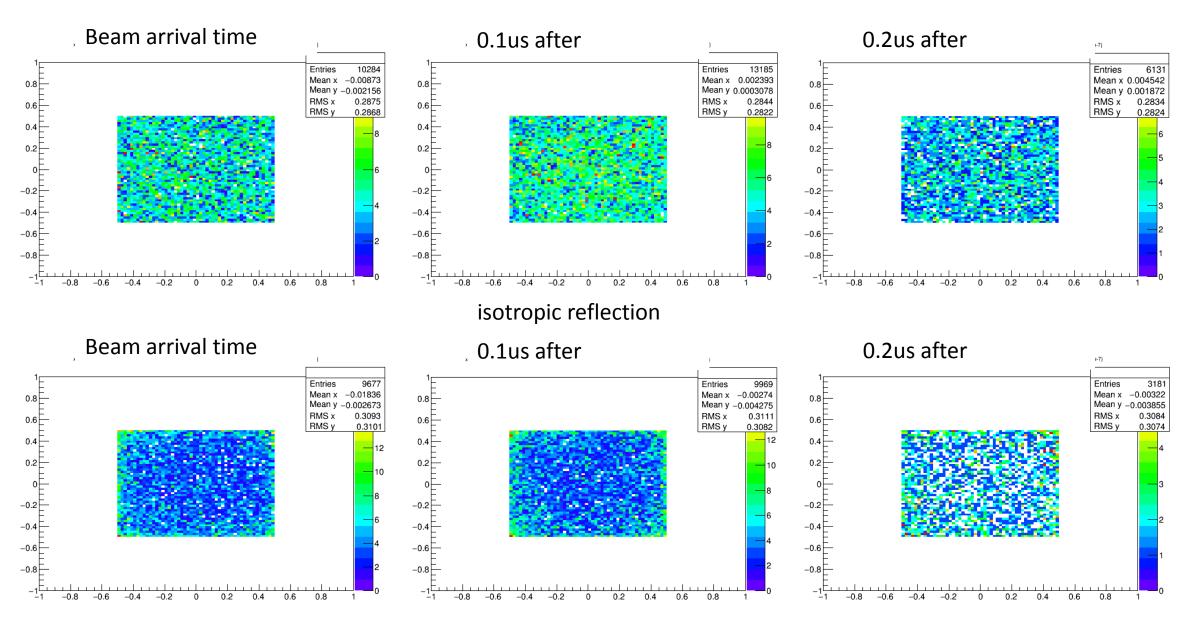
- Geometry is modified for detail background check
- Small problem is checked in simulation and now solved.
- Gamma background at MCP has been checked (matched with geometrical acceptance)

## Positronium probability





#### Cosine reflection



No time dependency (checked with 0.01us time interval) kly meeting

## Status in Saclay

- Buffer gas trap (1<sup>st</sup> stage looks okay(first trial done))
- MCP and CCD assembly for H measurement will be tested.
- Vacuum problem and spark problem will be solved (low intensity problem in now)

### To do list

Think about what I will present at collaboration meeting.

(Title: GBAR simulation framework (?))

- Check detail positronium simulation and gamma background in MCP
- Try to help Laszlo