

# Positronium intensity measurement preparation

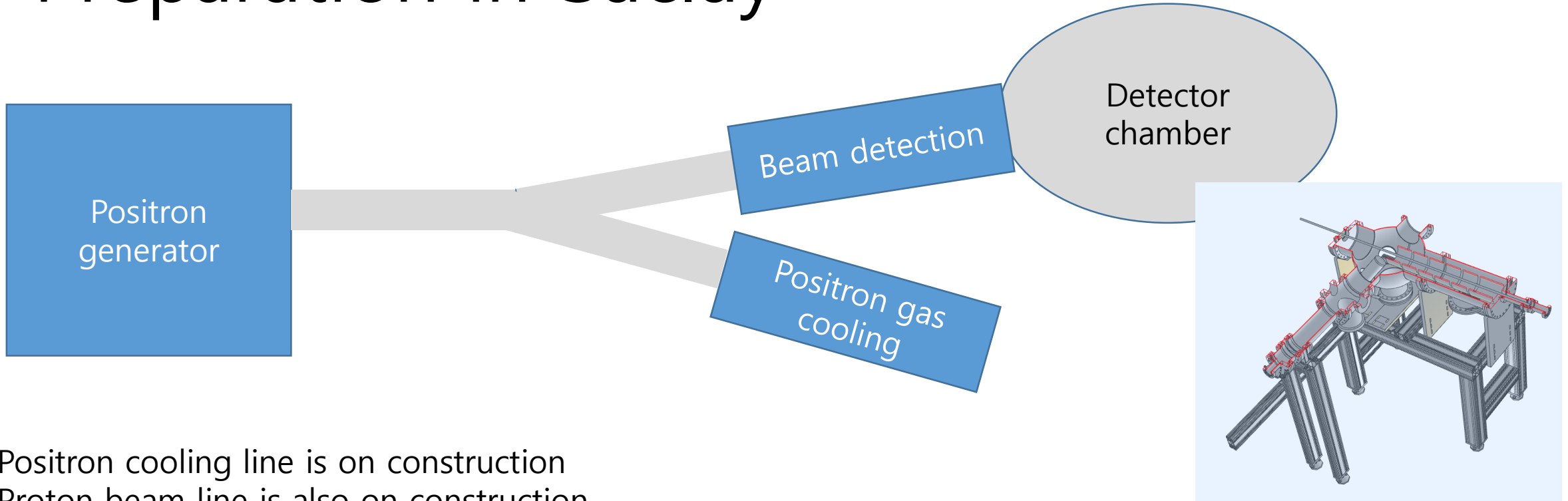
SNU

Bongho Kim

# Status of PWO crystal development

- I'm sorry for no picture
- PWO detector test is ongoing.
- Na22 source was tested and 2 peaks are shown clearly.
- In no source case, exponential decay PDF and one peak shown.
- Data analysis is ongoing.

# Preparation in Saclay



- Positron cooling line is on construction
- Proton beam line is also on construction
- Detector chamber delivered and tomorrow pumping test will be done.
- Target for positronium is not ready.
- I'm trying to help detector chamber preparation.

# To do list

- Almost same as last week.
- Help Laszlo to prepare Antion project.
- PWO detector preparation
  - Count rate check for dark count and Na22 case is failed because oscilloscope speed is too low. (check some option in oscilloscope)
  - CsI Crystal detector will be used for coincidence soon.