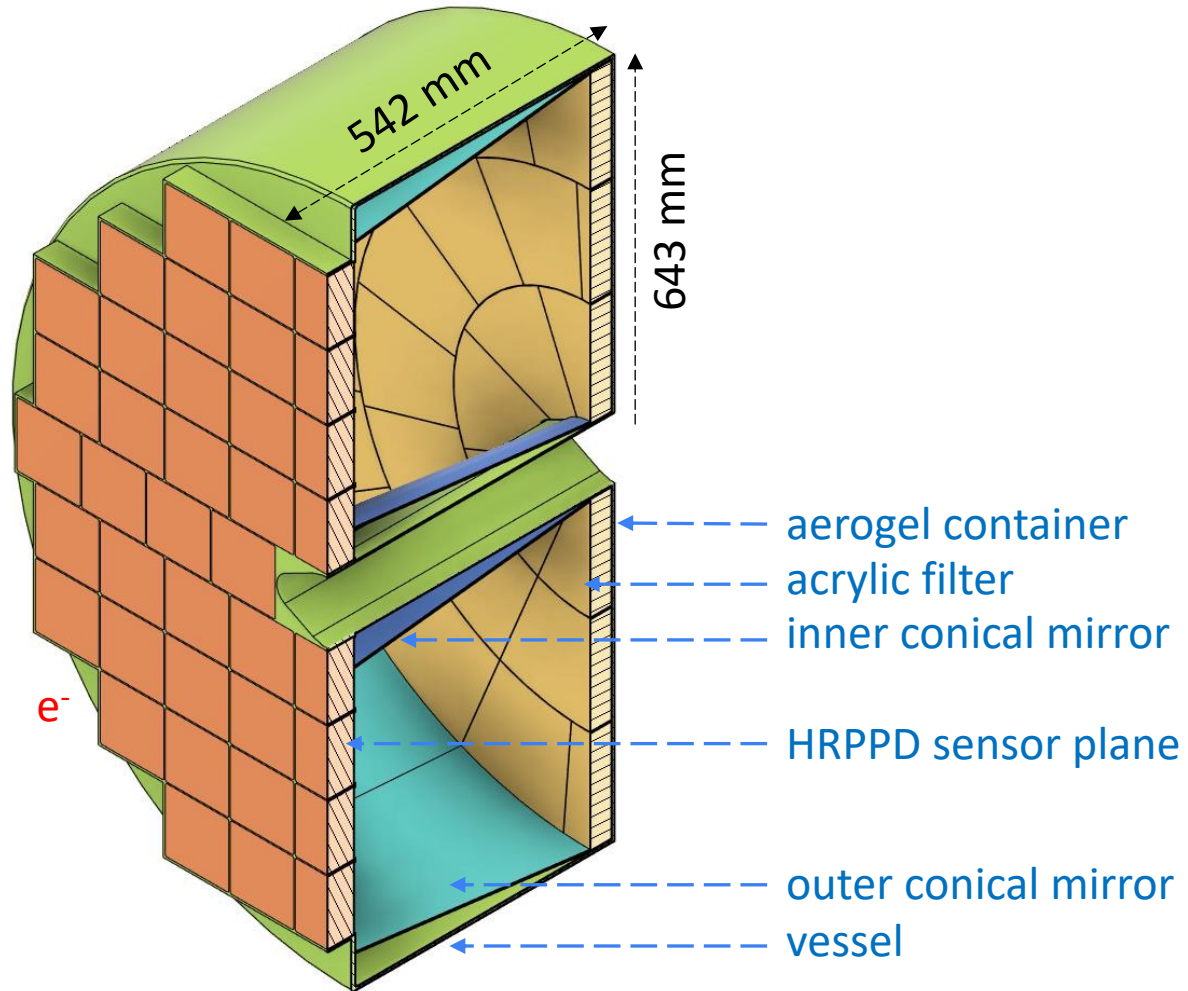


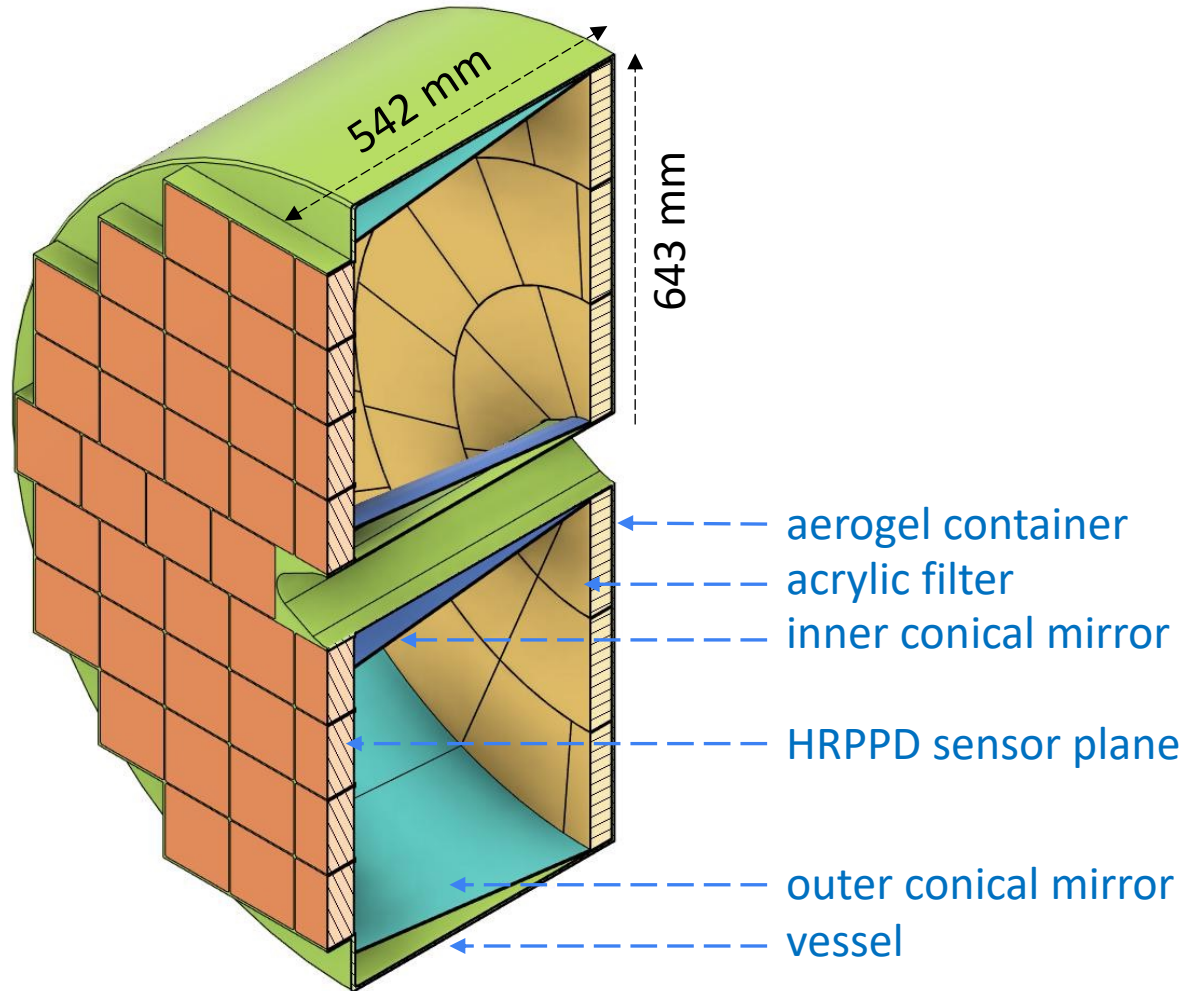
# Beam test at Fermilab in May-June 2024



**Build a small fully functional copy?**

- Aerogel
  - We are certainly getting new tiles from Chiba
  - Should be able to verify the integration?
- Vessel
  - We do have one?
    - Need to verify PEEK reinforcement rings
  - What about (aluminum) base plate?
- HRPPD photosensors
  - A 2x2 matrix should become available
- Mirror mockup
  - Side ones?
  - Pyramid ones?

# Beam test at Fermilab in June 2024



## ➤ Readout

- Develop a 4096ch HGCR0C3 version?
  - ASICs will be available
  - Oak Ridge / Orsay & JLAB help with the engineering as part of the eRD109 FY24 request
  - Incom / BNL / Techtra to solve the integration problem

- 512ch DRS4 is always a fallback option

## ➤ Services

- HV -> can be tried in a “final” version
- LV -> can be tried in a “final” version
- Gas
- Cooling -> can we?

## ➤ Software

- Simulations, online, offline

**Contributors? Proposal drafting (by July 7th)?**