

Project **E**ngineering and **D**esign for ePIC pfRICH cylindrical vessel outer shell

Initial budget: \$27700

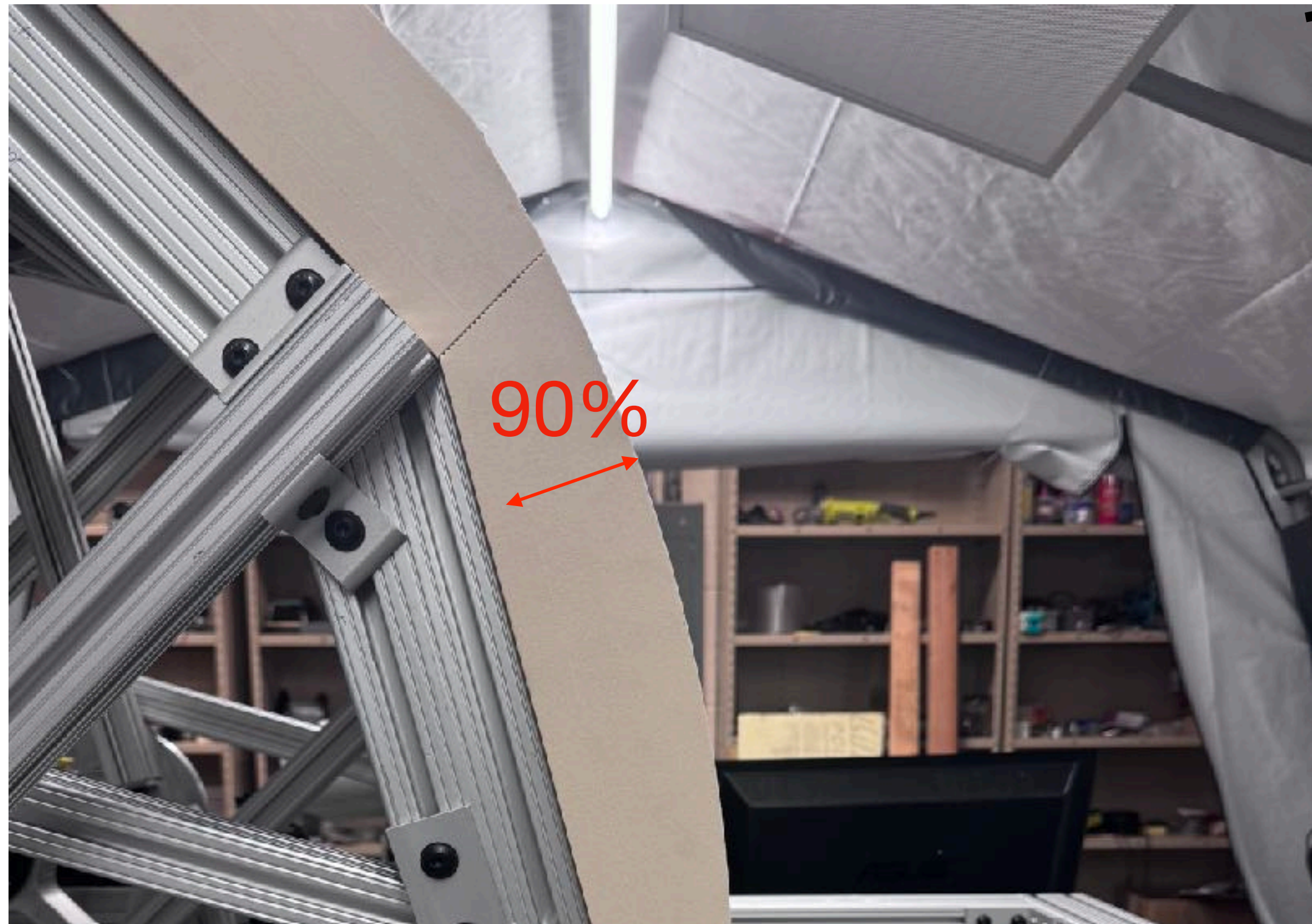
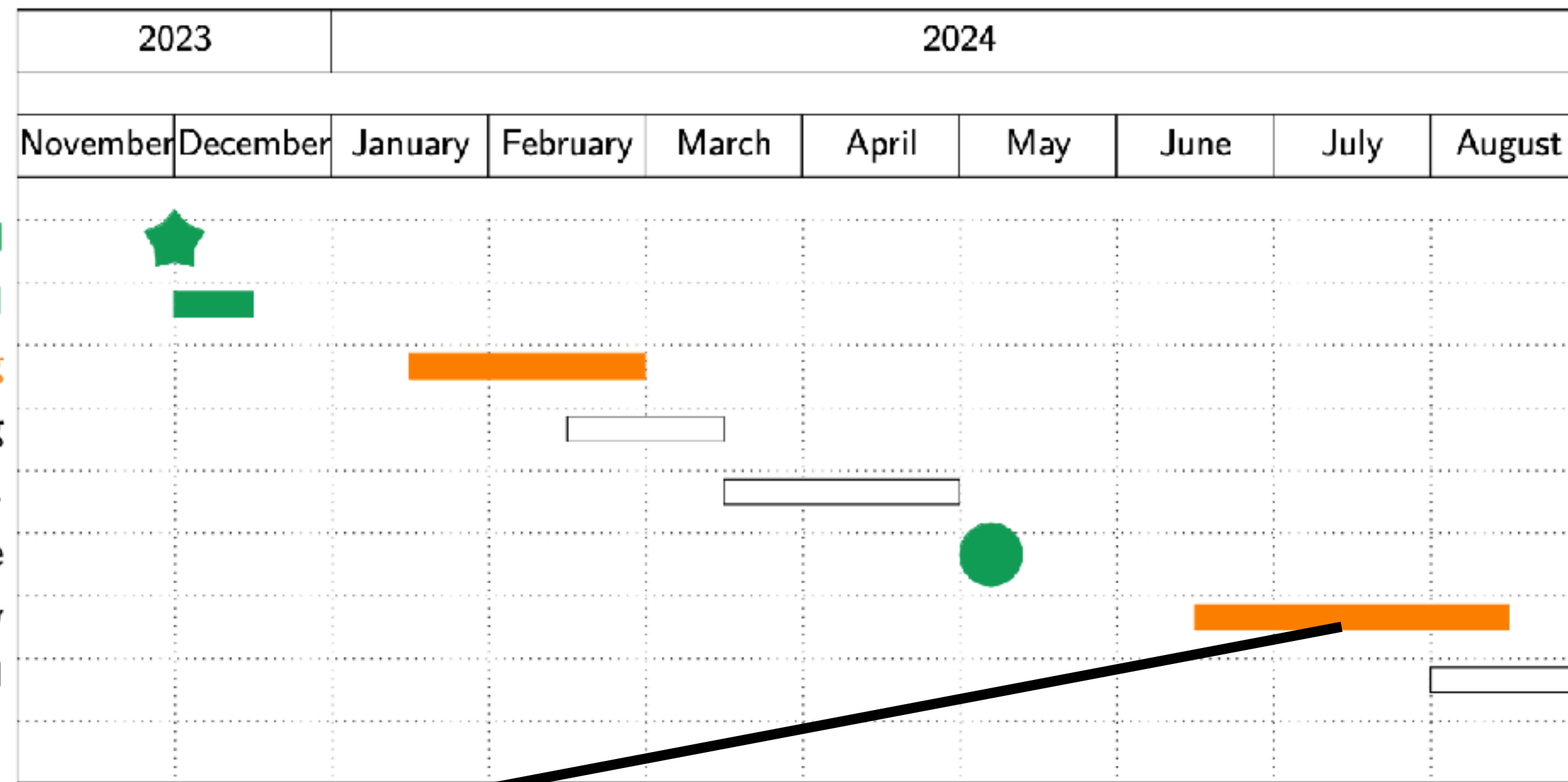
Remaning budet: \$5752.33 (20%)

- **All elements ordered and received.**
- **80/20 structure complete.**
- **Foam installation finished.**
- **Milling phase in progress.**

80% of PED completed.

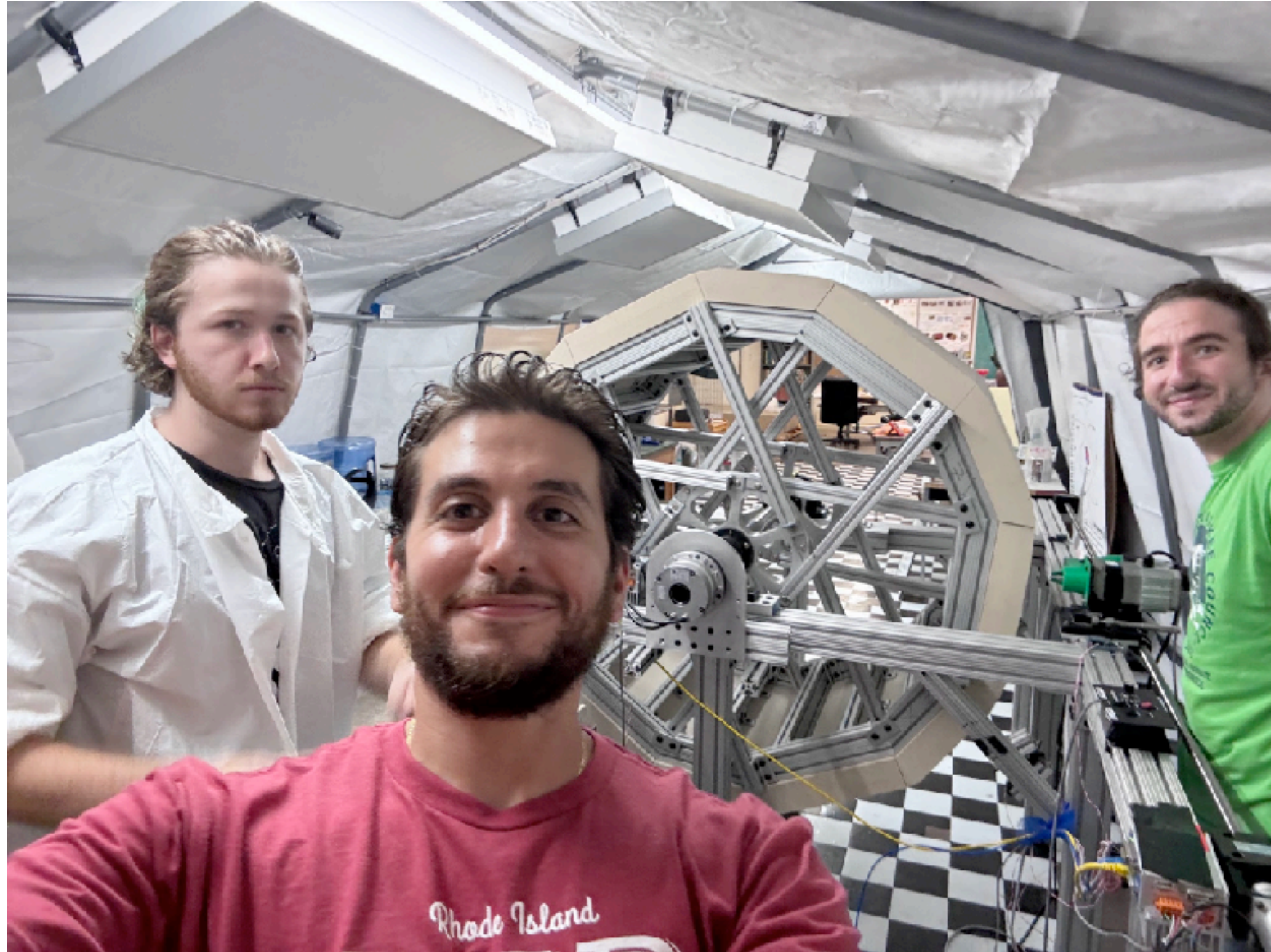
Today and next steps:

PED submitted
 3D CAD pfRICH
 Ordering
 8020 Frame initial setup building
 Start foam prep & installation.
 Foam installed & Ready to shape
 Milling the foam. & End-ring ready
 Carbon fibre glues & End-ring needs to be at SBU



- Purdue manufactures new end ring(s).
- Purdue ships 2" carbon fiber strips for dry fit.
- **SBU mills to ~90% nominal (radial dir.)**
- **Mill one side to nominal for a 2" section.**
- Dry fit both rings to check suitability.
- Final decision on end ring production.

Thank you to the great team!



Julian Driebeek (graduate student)

Emmett Gebb (undergraduate student)

Google pictures:

<https://photos.app.goo.gl/9pg38Ktr6VXDBgXi7>

pfRICH vessel report (v. July):

https://drive.google.com/file/d/1JXPYIhzVsekMs-6n6RPsGpC_PN6T109j/view?usp=sharing