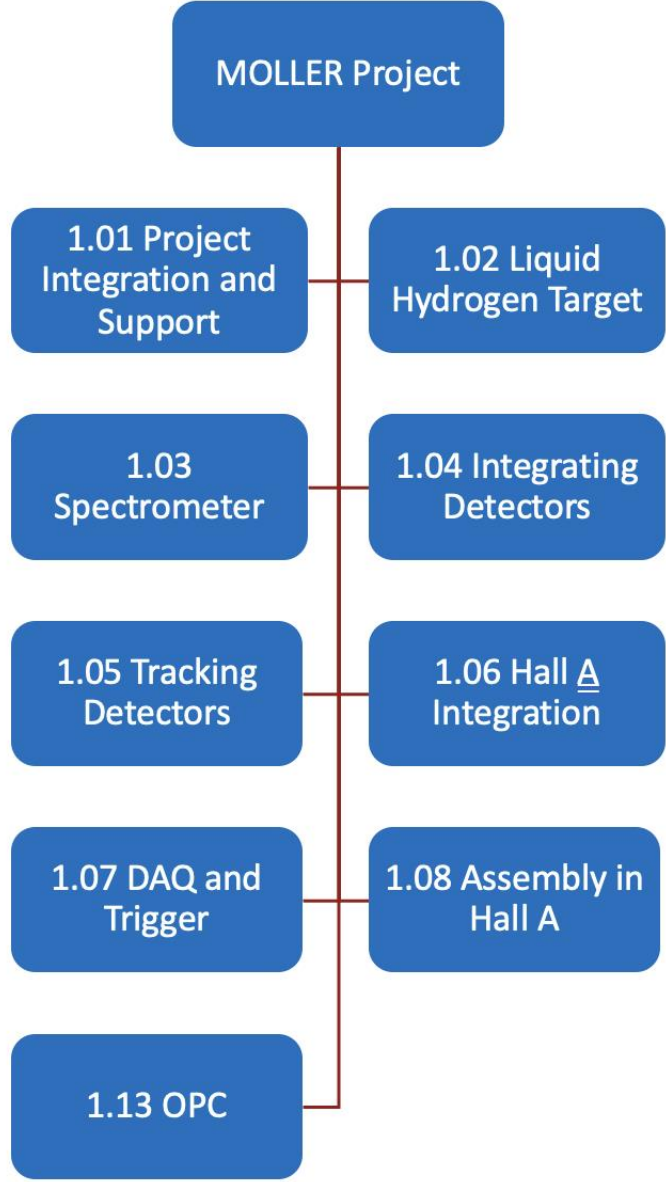
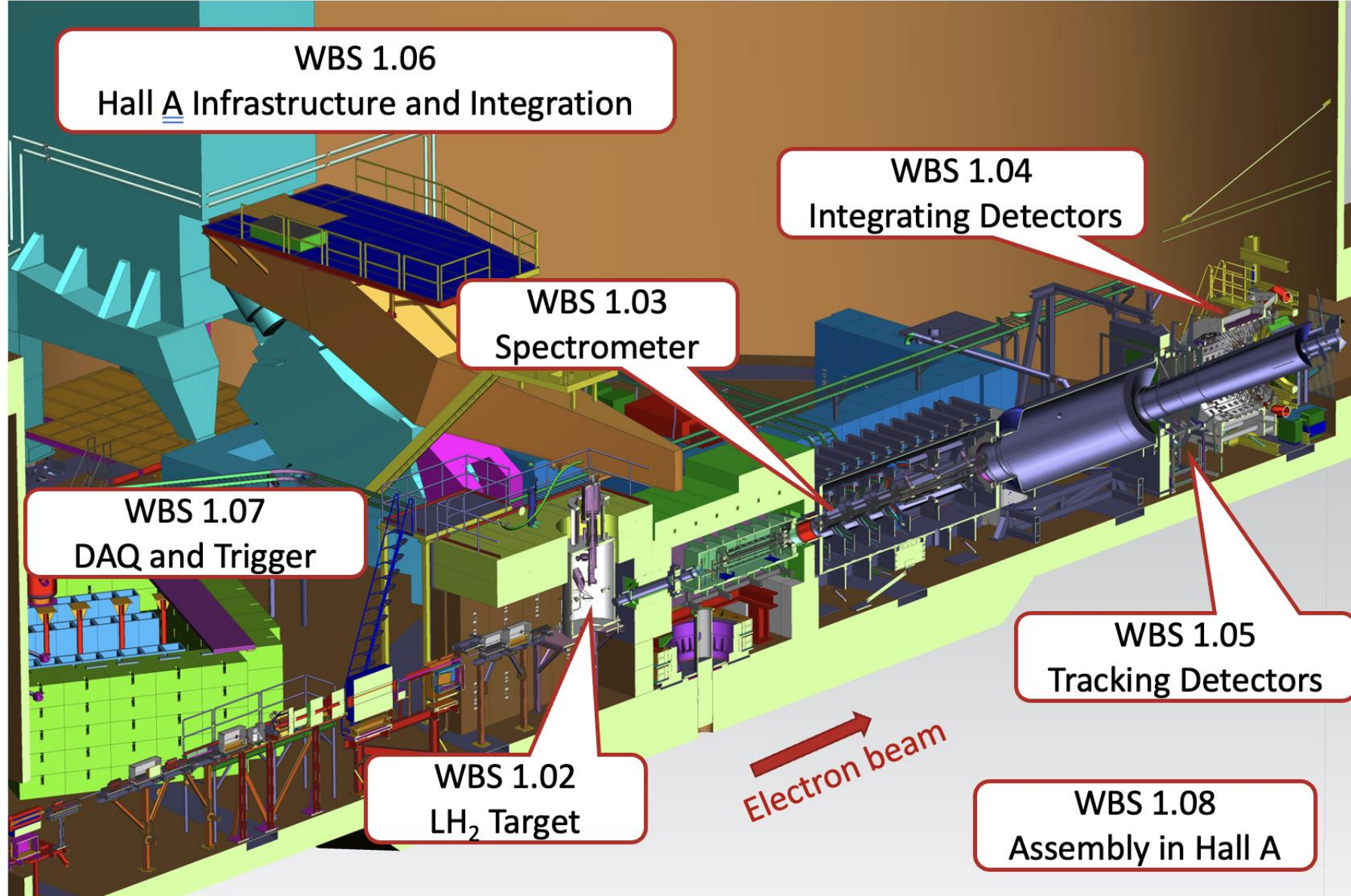


MOLLER: Fabrication and Status

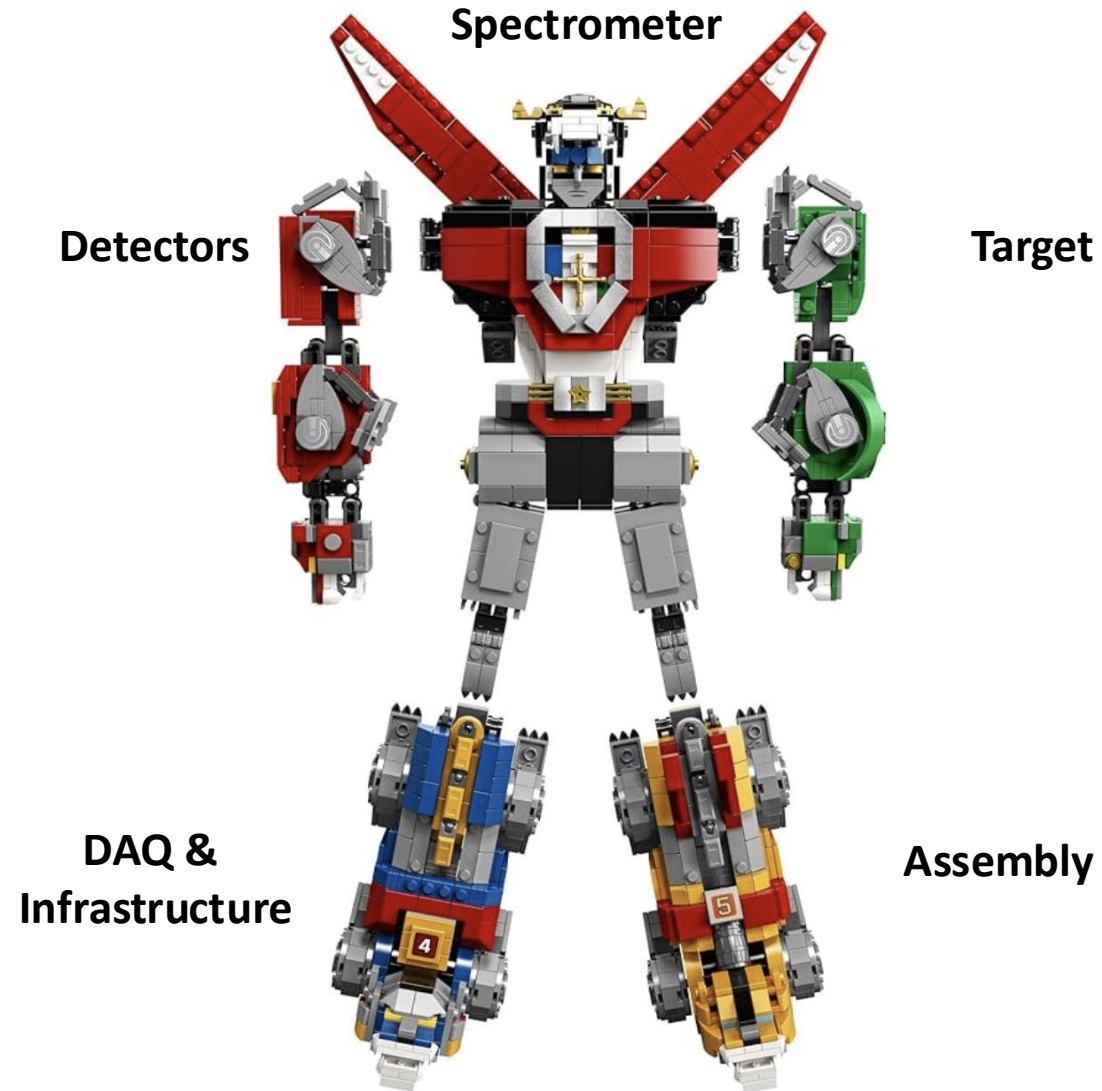
Ciprian Gal



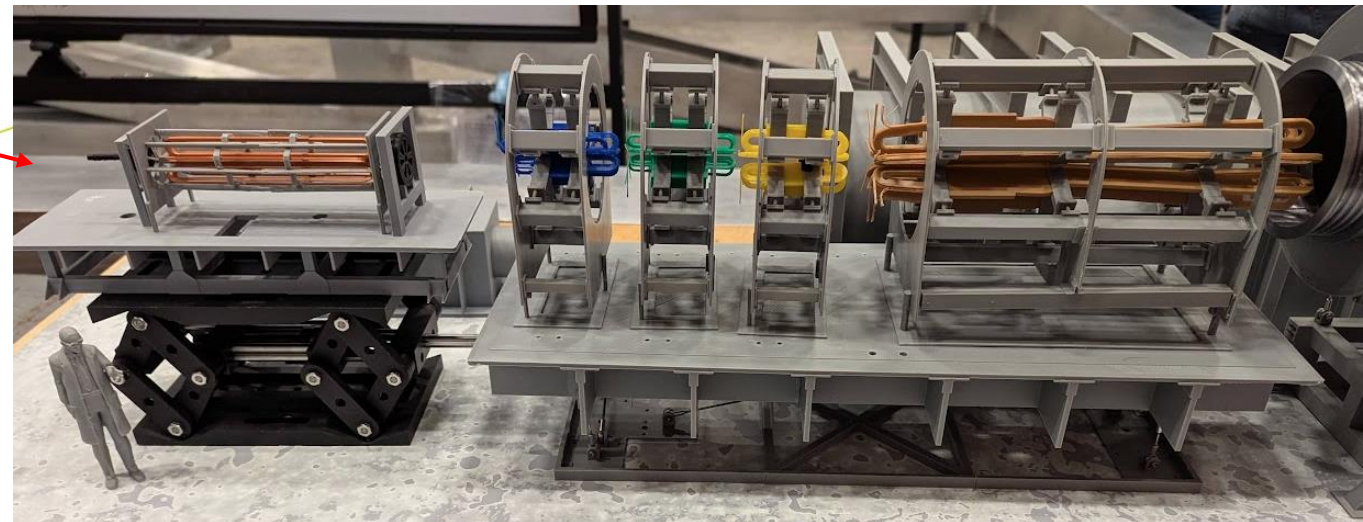
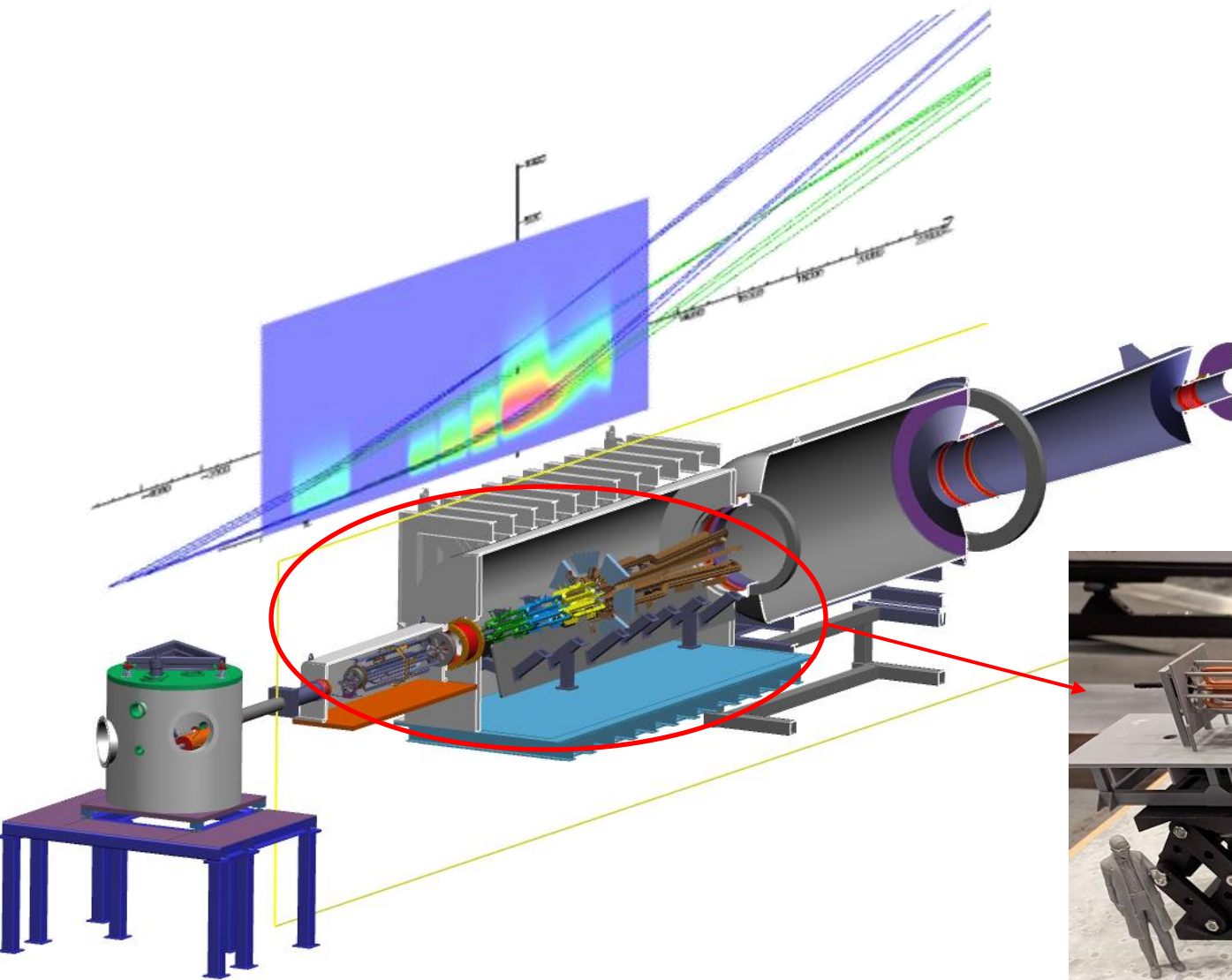
MOLLER in Hall A



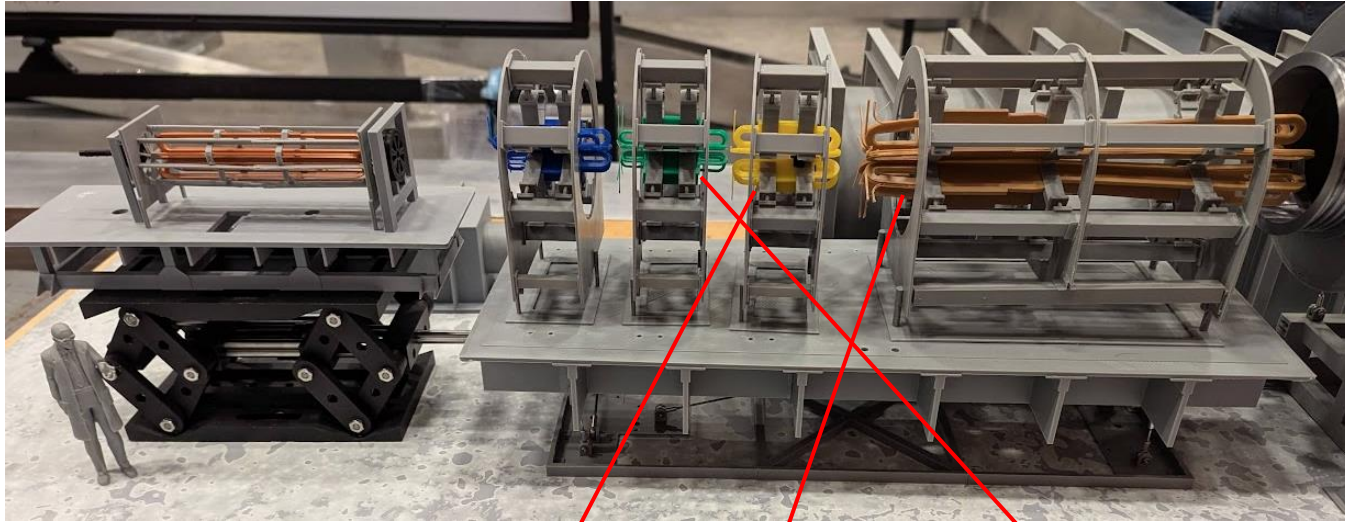
MOLLER



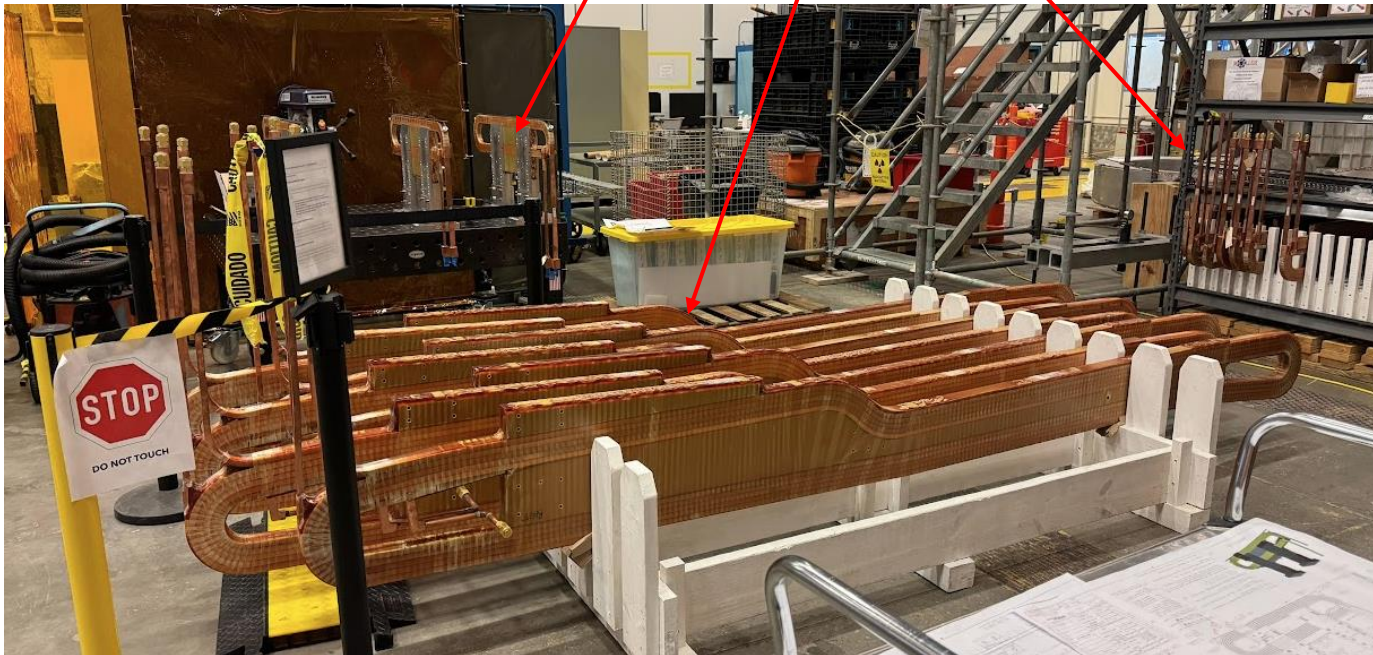
MOLLER: spectrometer



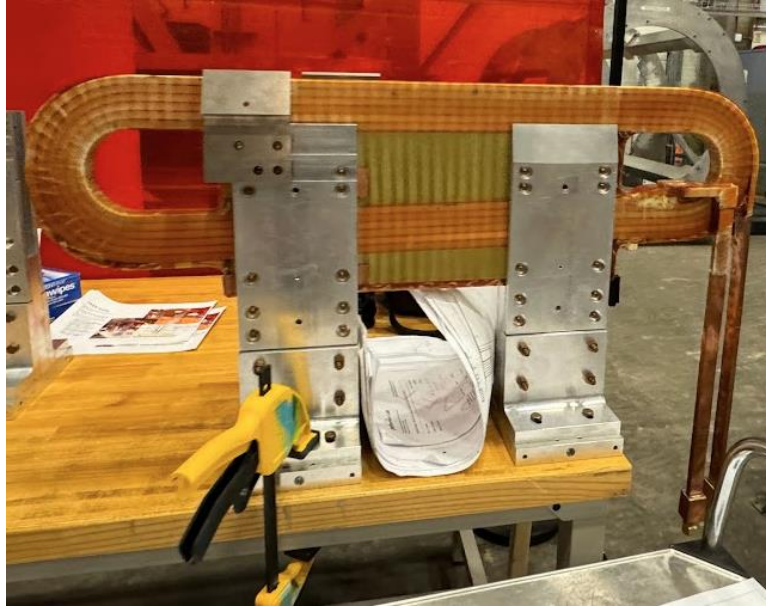
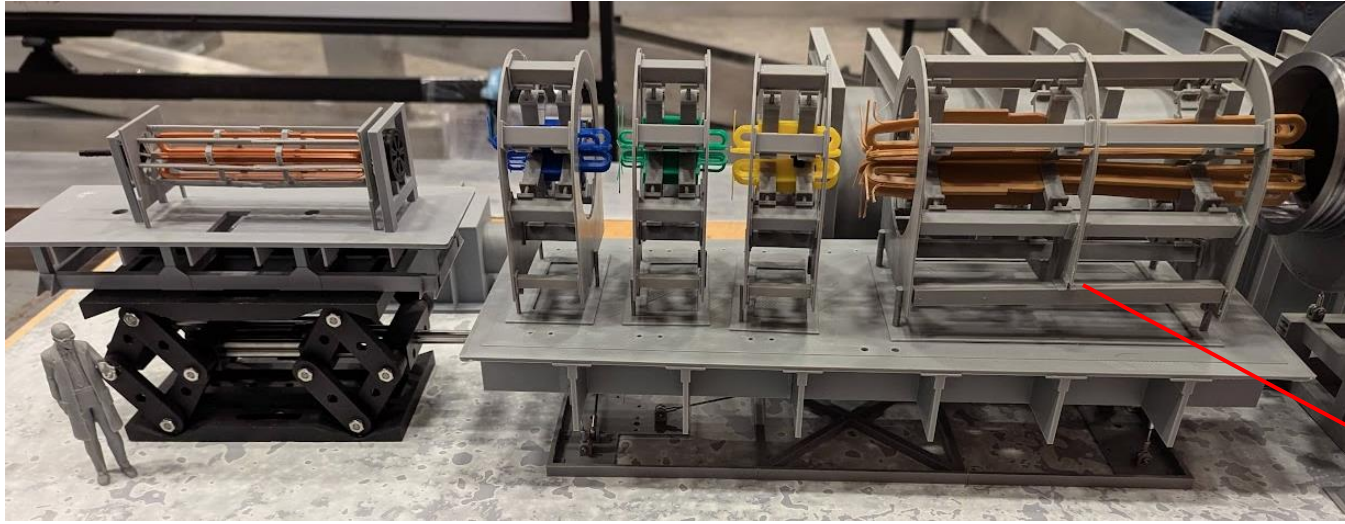
MOLLER: spectrometer



- All coils for the 4 DS magnet systems have been built



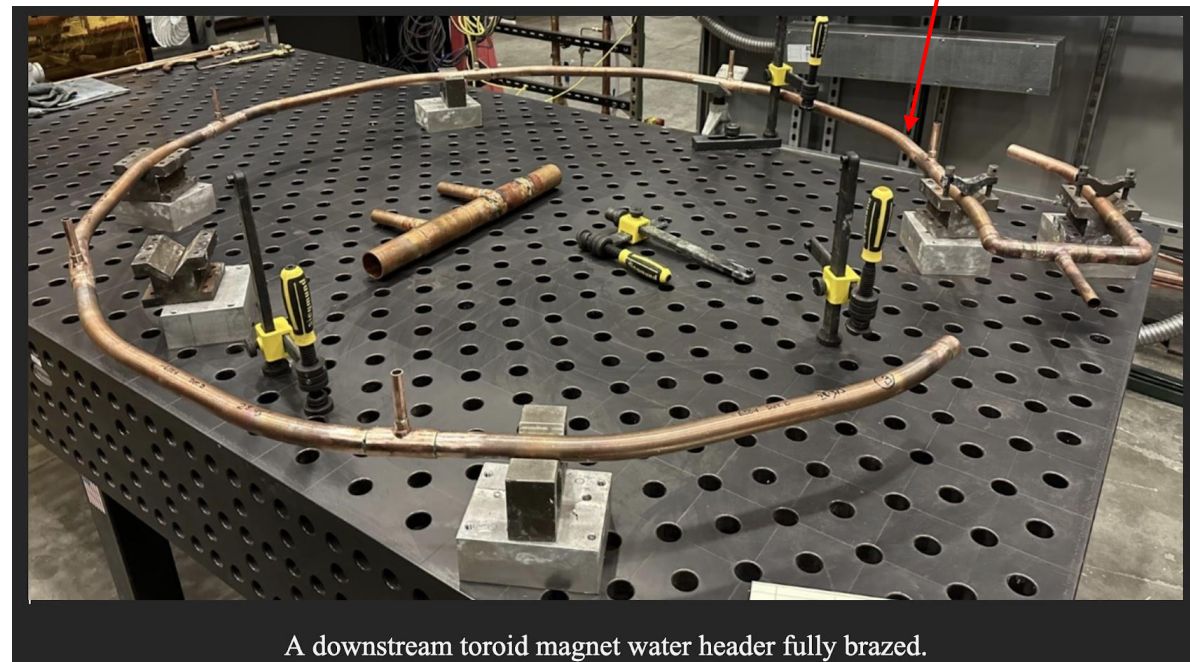
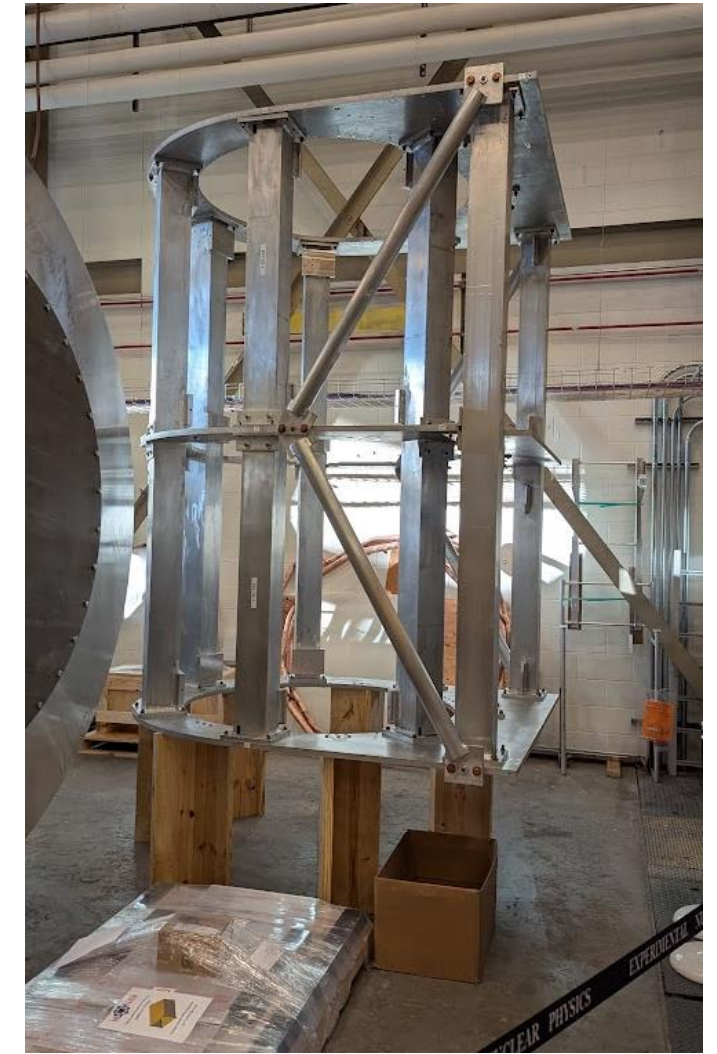
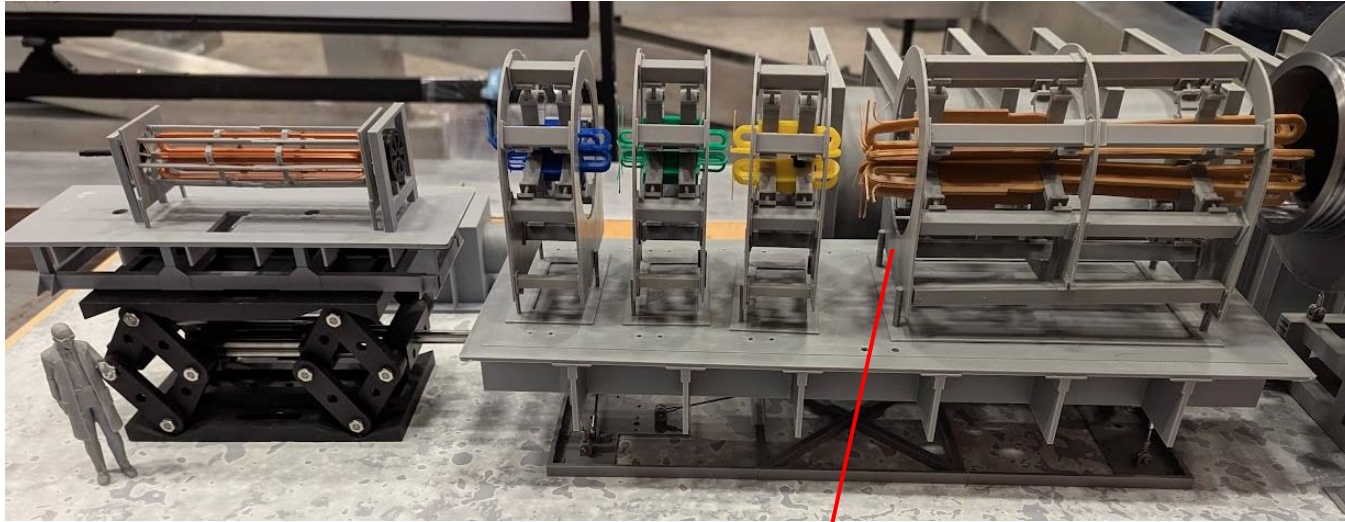
MOLLER: spectrometer



- Each coil gets clamped and placed in their own bulkhead



MOLLER: spectrometer



A downstream toroid magnet water header fully brazed.

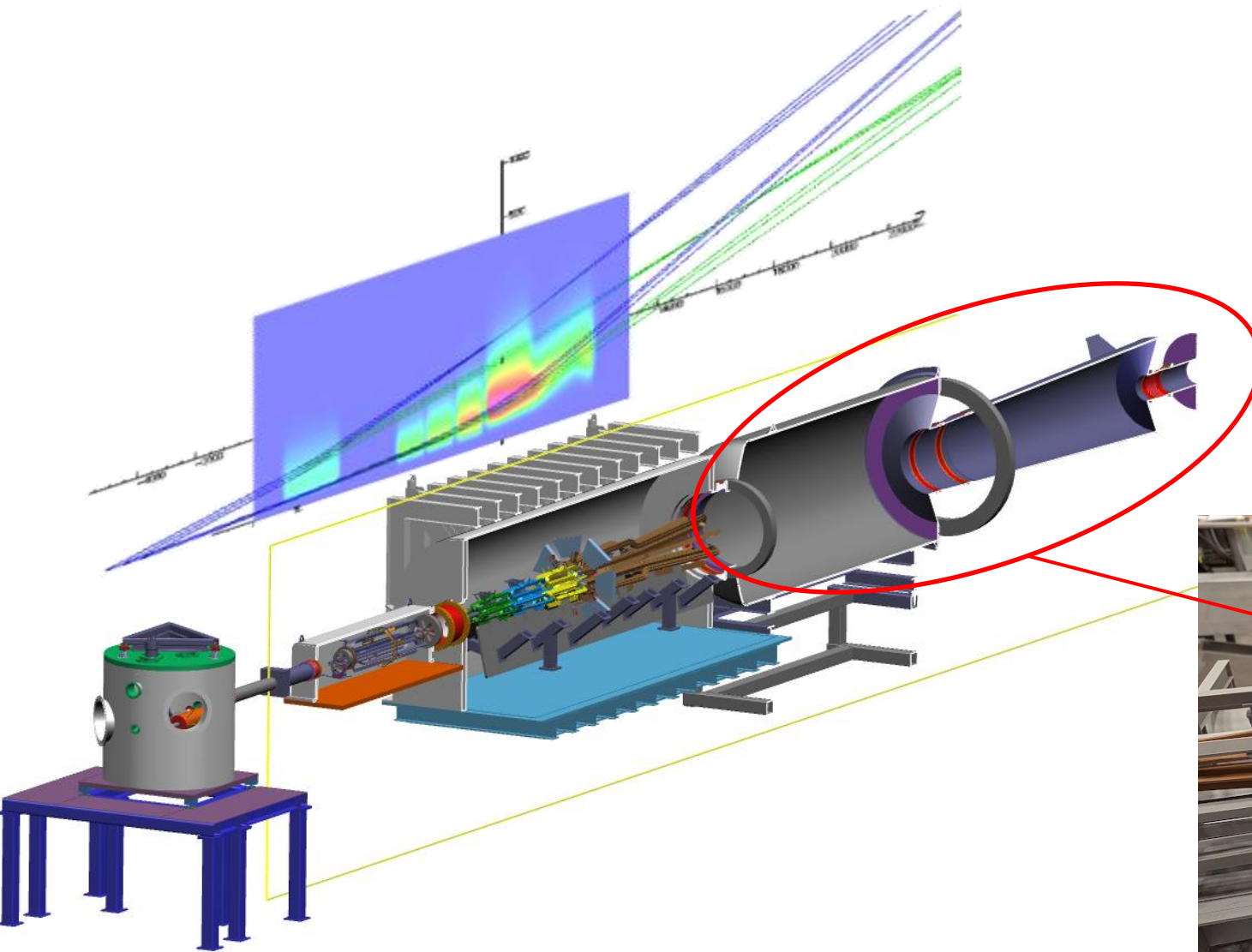
- Each bulkhead will support piping and utilities for the magnet coils

MOLLER: spectrometer

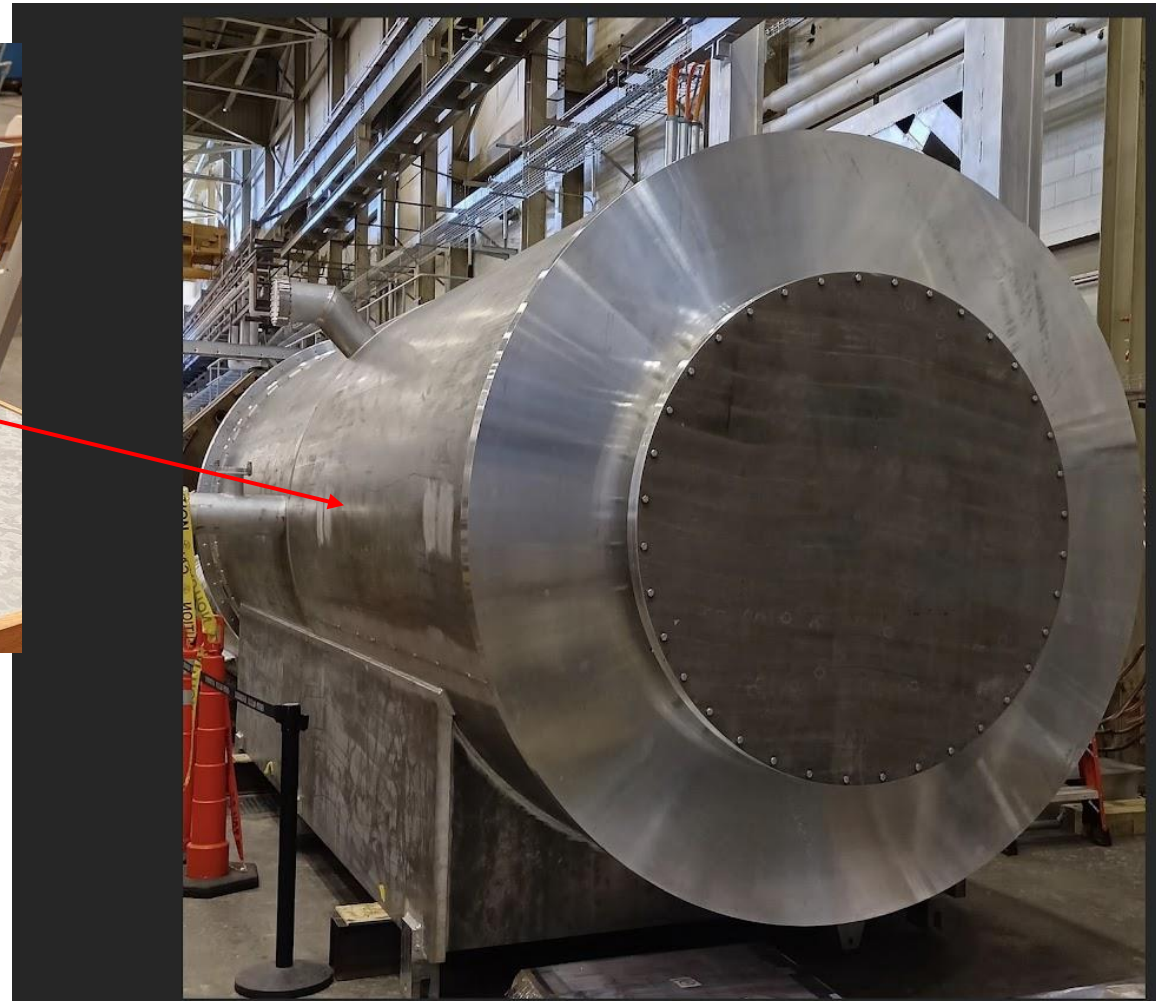
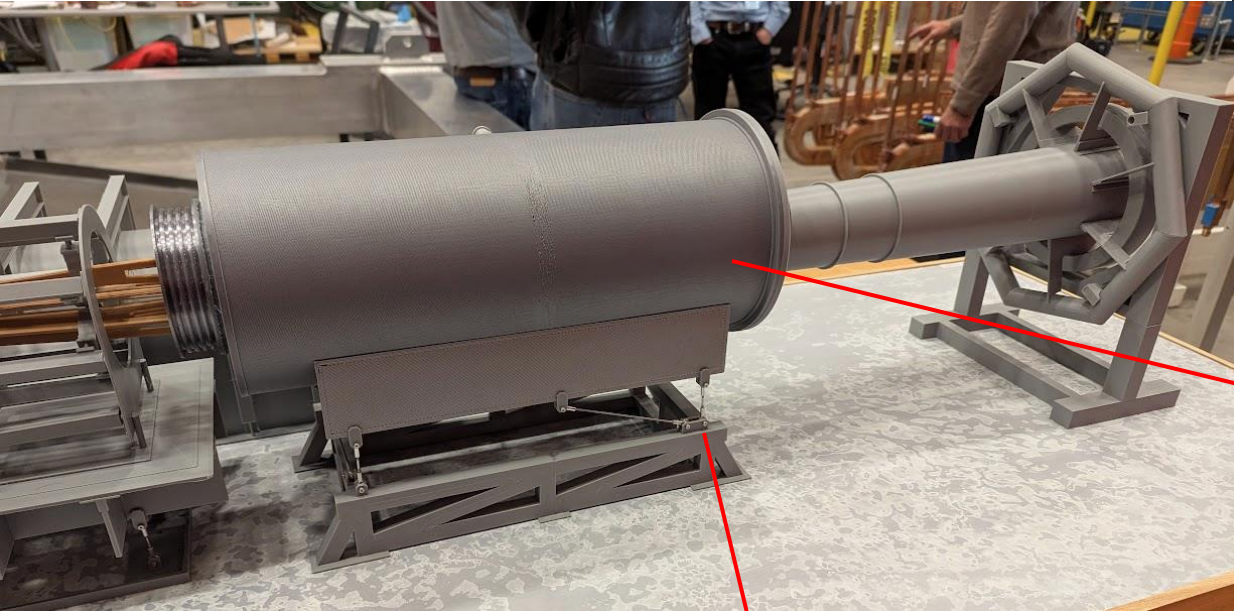
- The magnets will be powered with custom made power supplies
 - First one of which has been delivered and fully installed and tested here at JLab



MOLLER: spectrometer



MOLLER: spectrometer



Drift pipe stored in the test lab at JLab after fabrication completion and a successful leak check at the vendor.

MOLLER: spectrometer



MOLLER: spectrometer

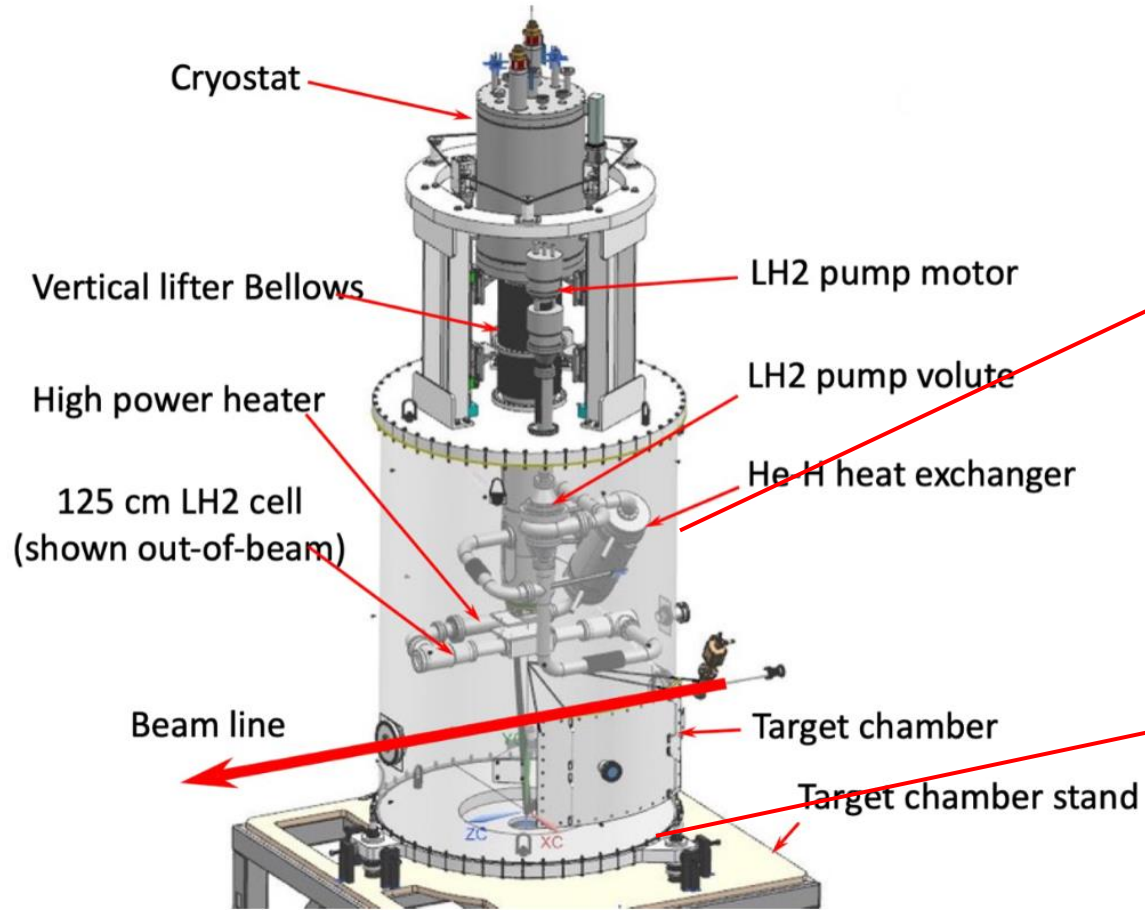


- The pipes and infrastructure related to the beamline downstream of the target is almost entirely ordered and delivered



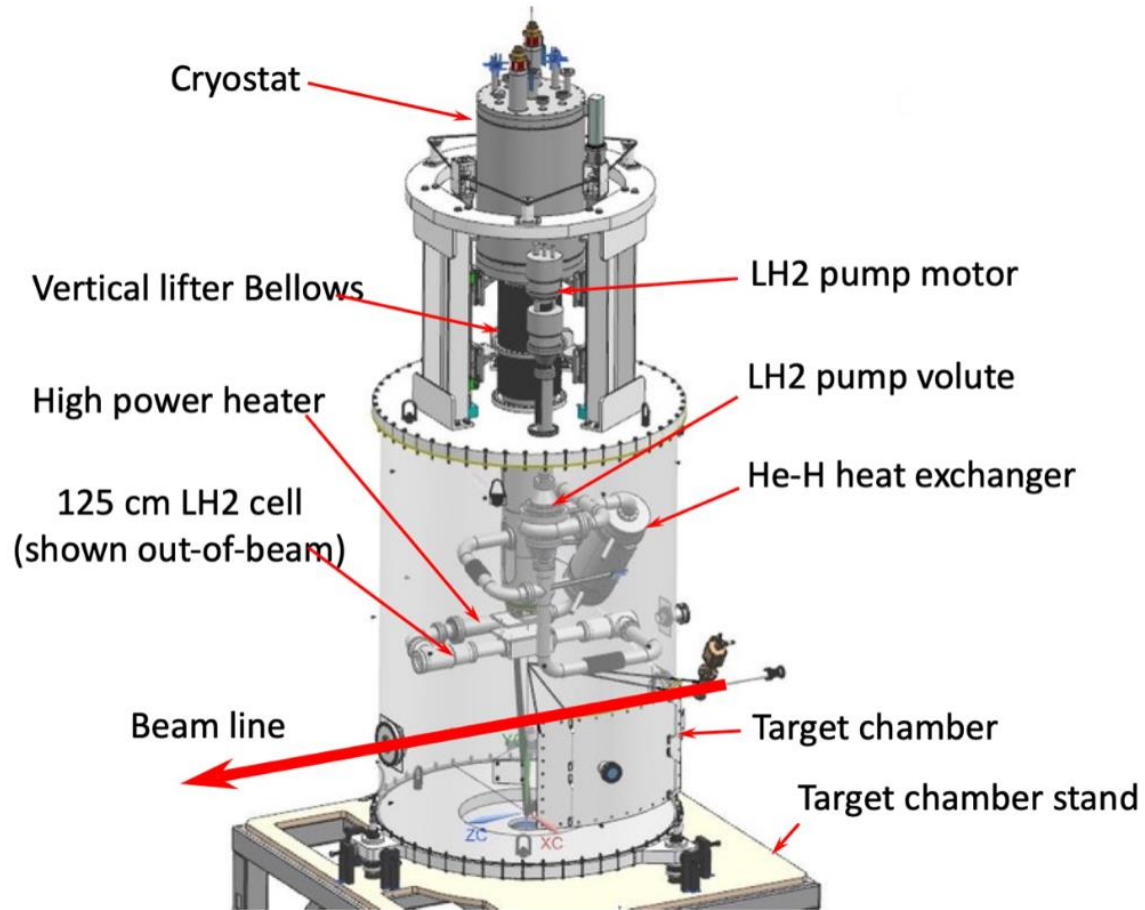
The Pion Lead Donut/Detector Pipe Support Stand in JLab's test lab facility. The aluminum support stand is ~20' in height and weighs ~2940 lbs.

MOLLER: target



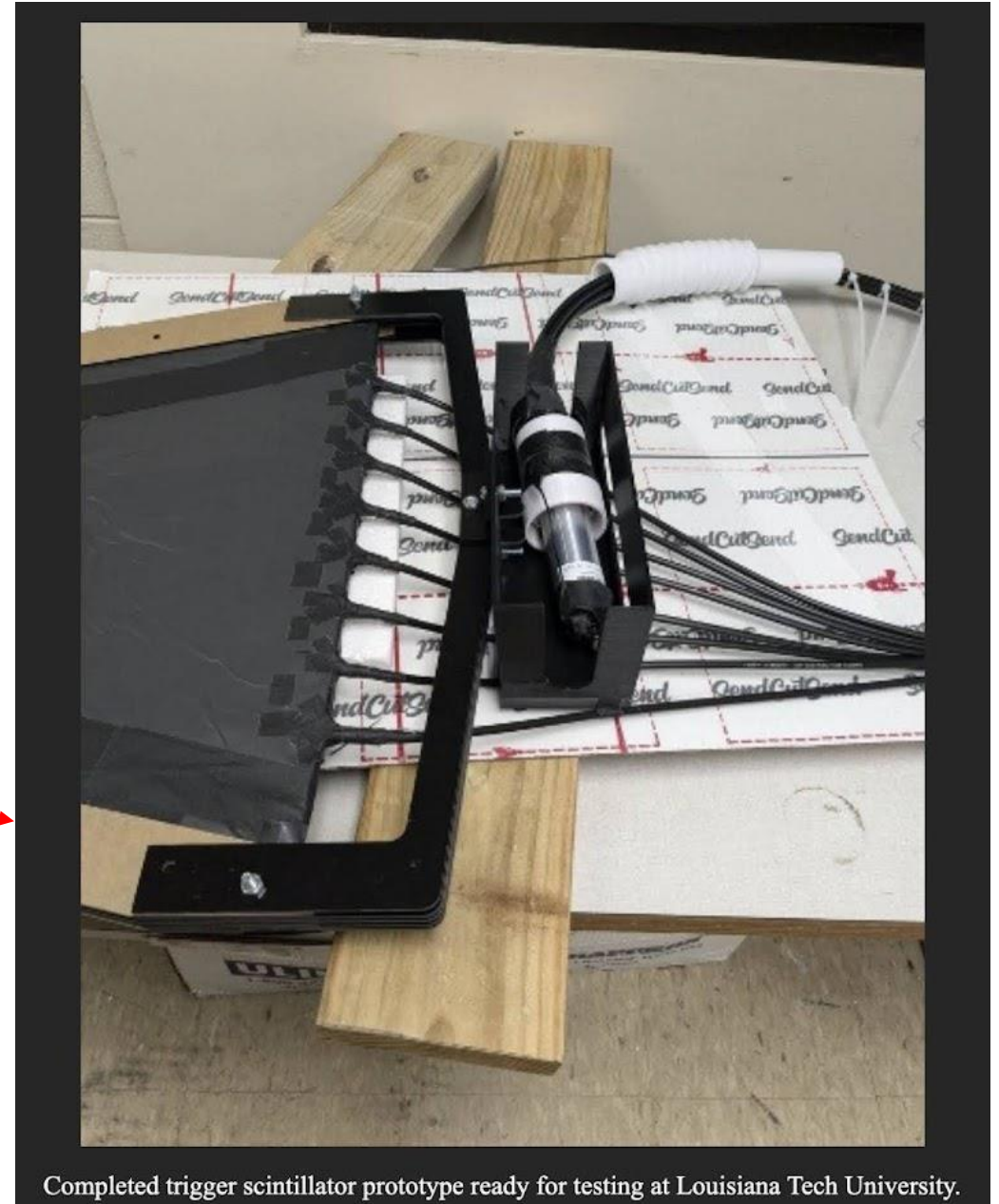
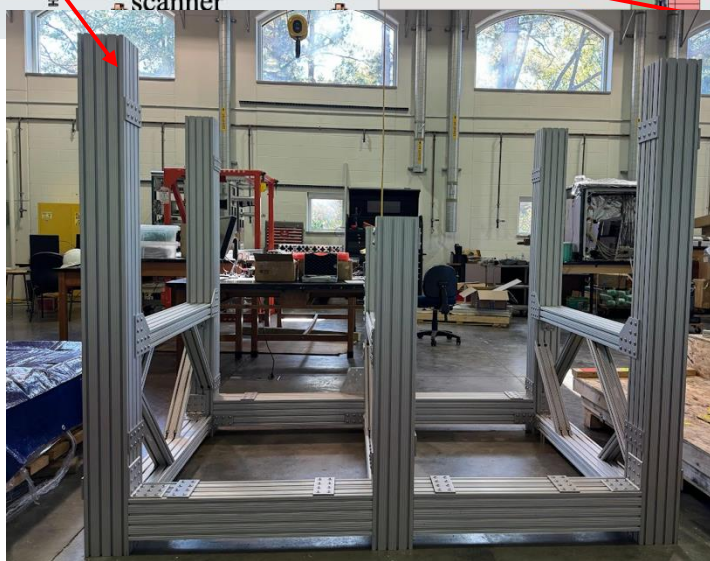
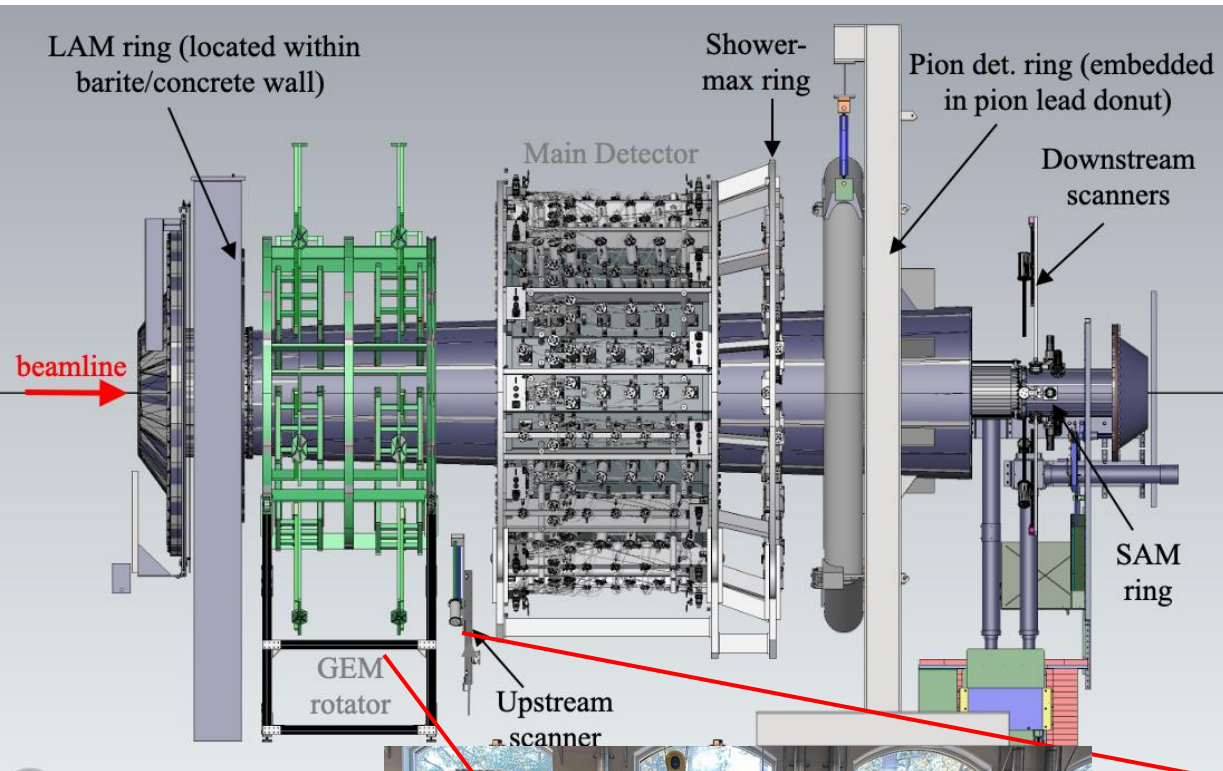
- The target chamber and cell construction is proceeding

MOLLER: target



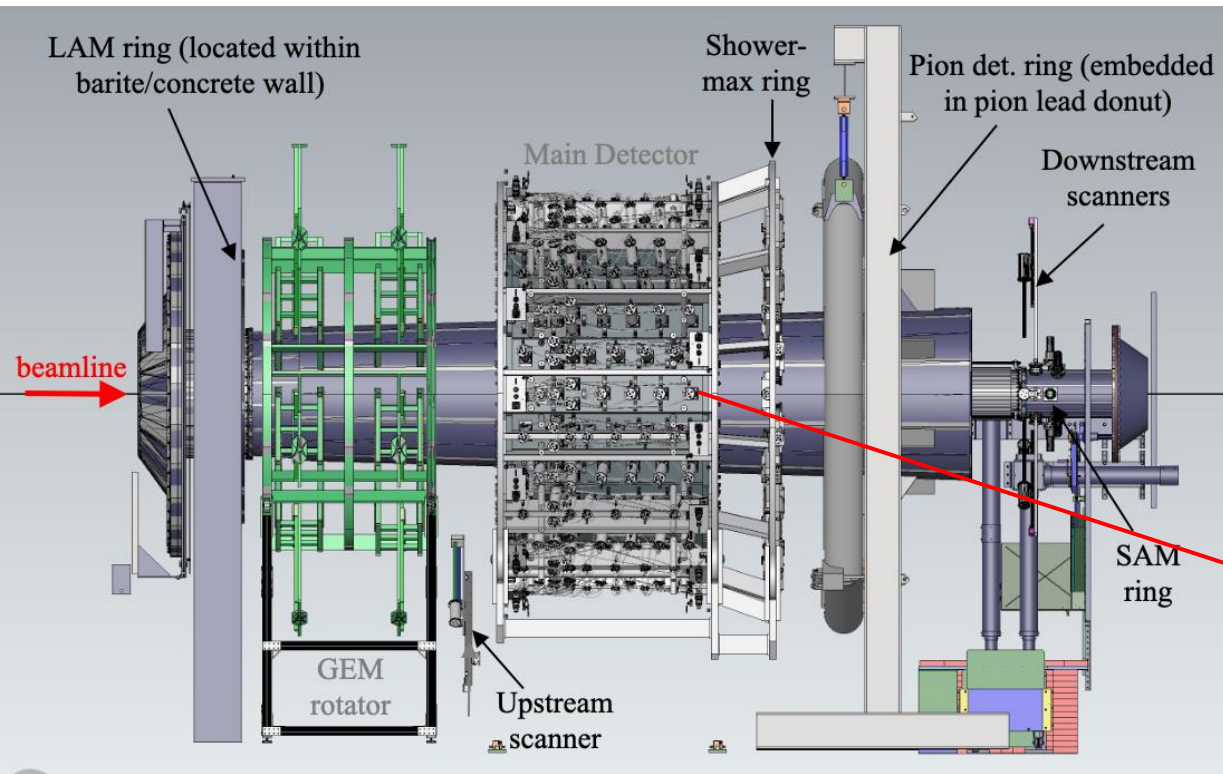
- The target chamber outer shell has been delivered and tested

MOLLER: detectors

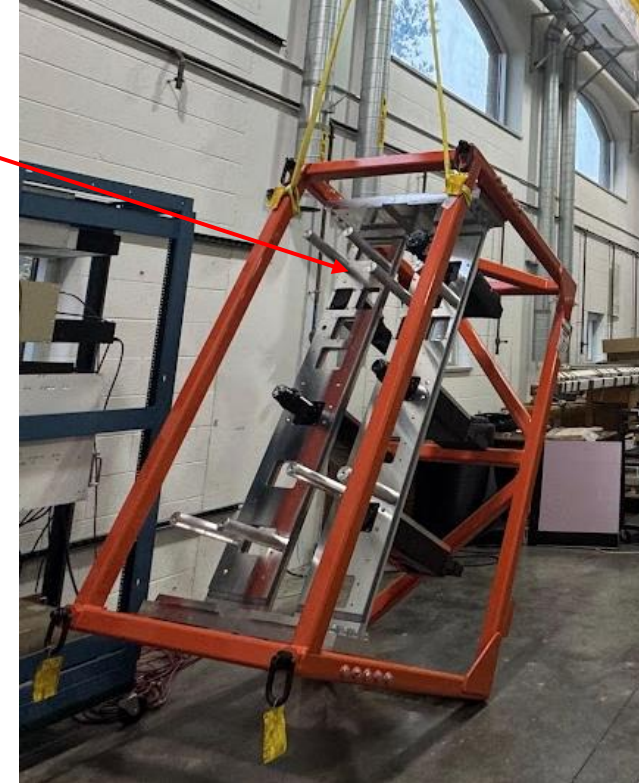


Completed trigger scintillator prototype ready for testing at Louisiana Tech University.

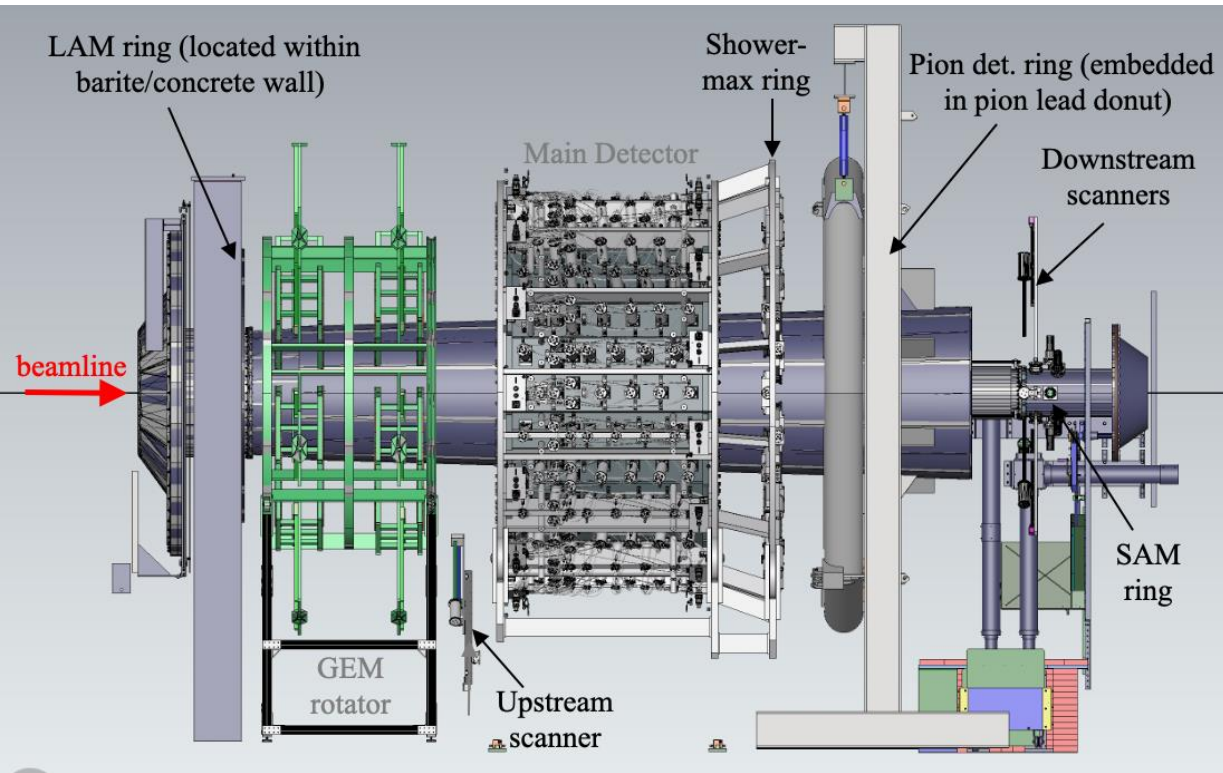
MOLLER: detectors



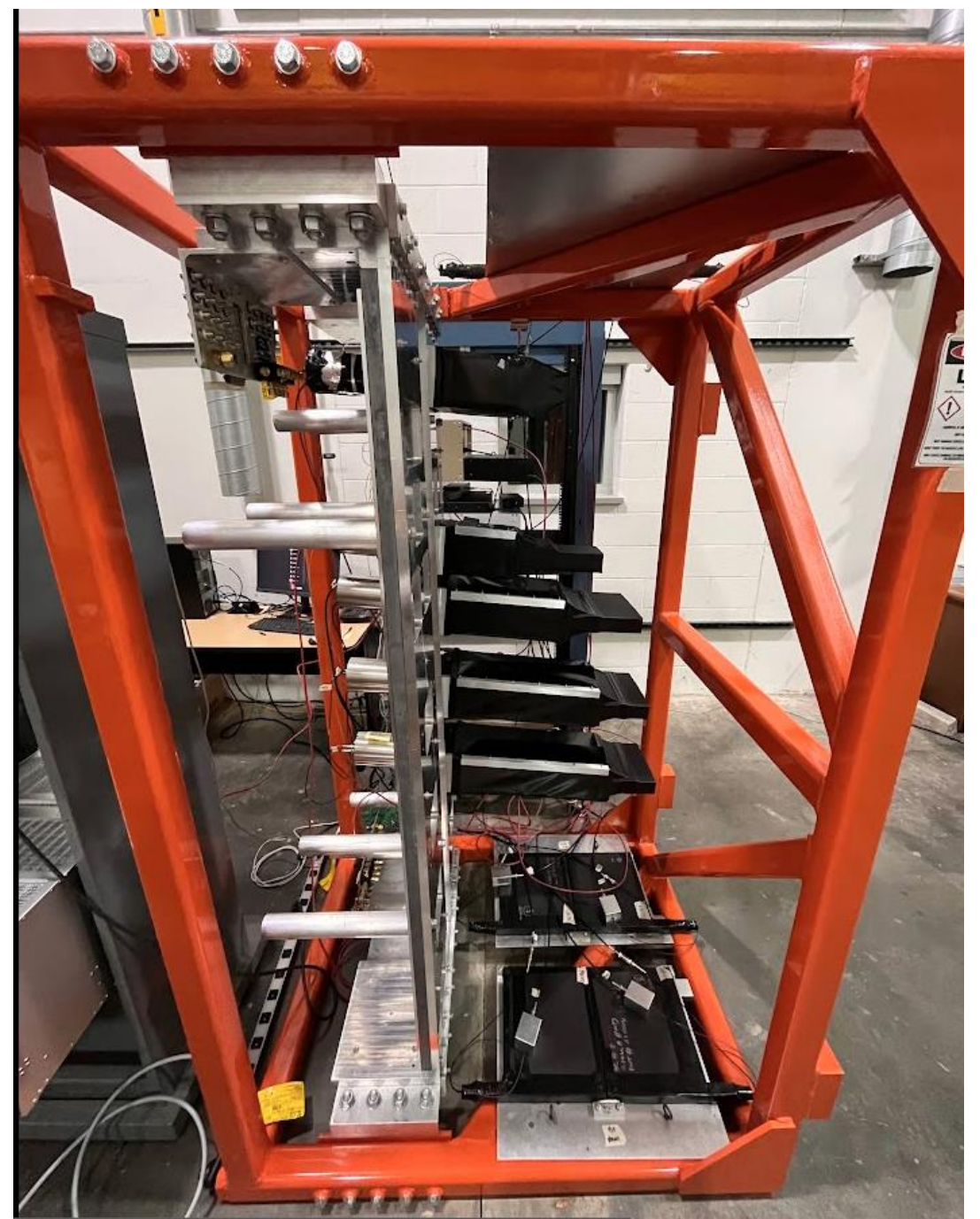
- Individual segments are being assembled in the W&M High Bay
- Custom build mostly out of Al and Pb



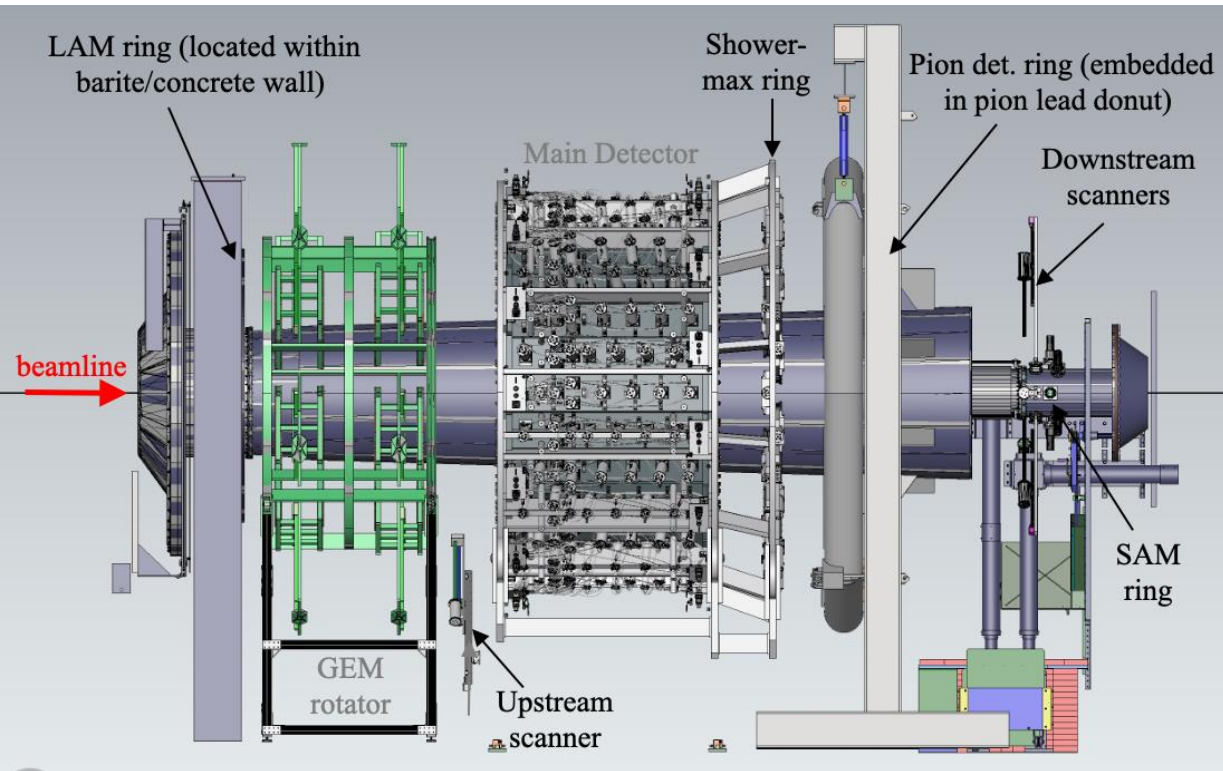
MOLLER: detectors



- The assembly boxes are going to be used for cosmic tests and transportation to JLab



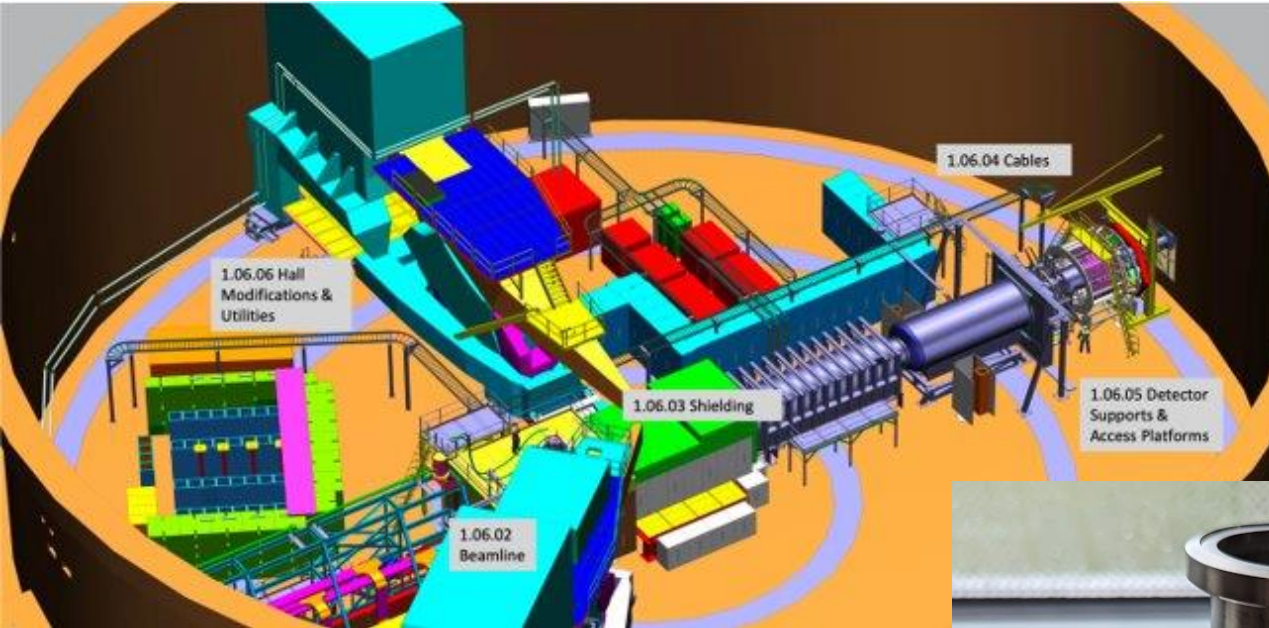
MOLLER: detectors



- First modules have been cabled and powered, and we expect to start testing the first production segments beginning of Feb



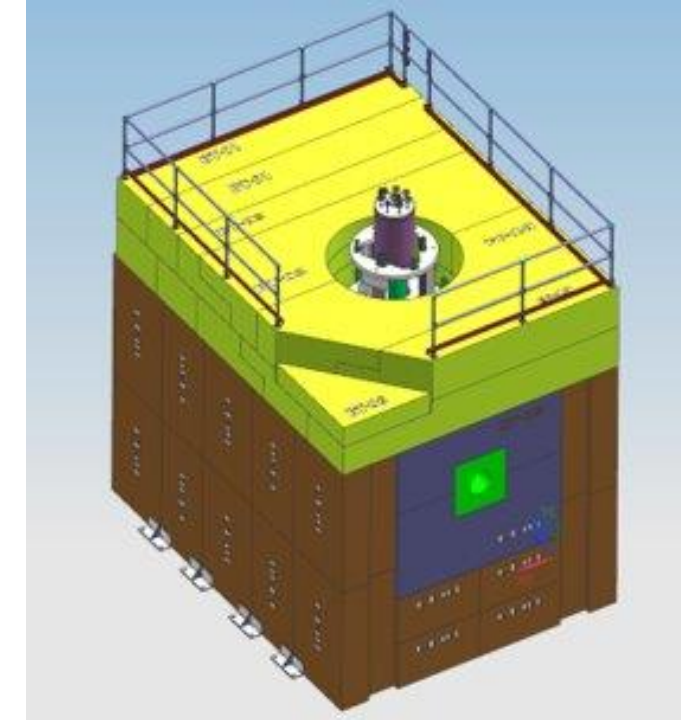
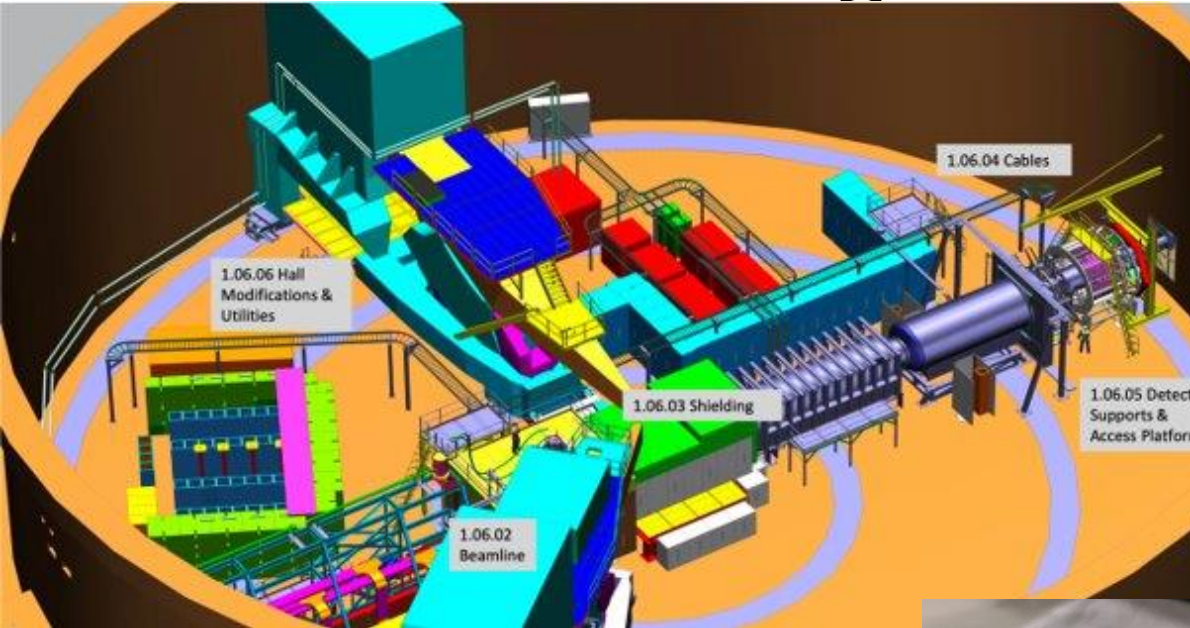
MOLLER: infrastructure



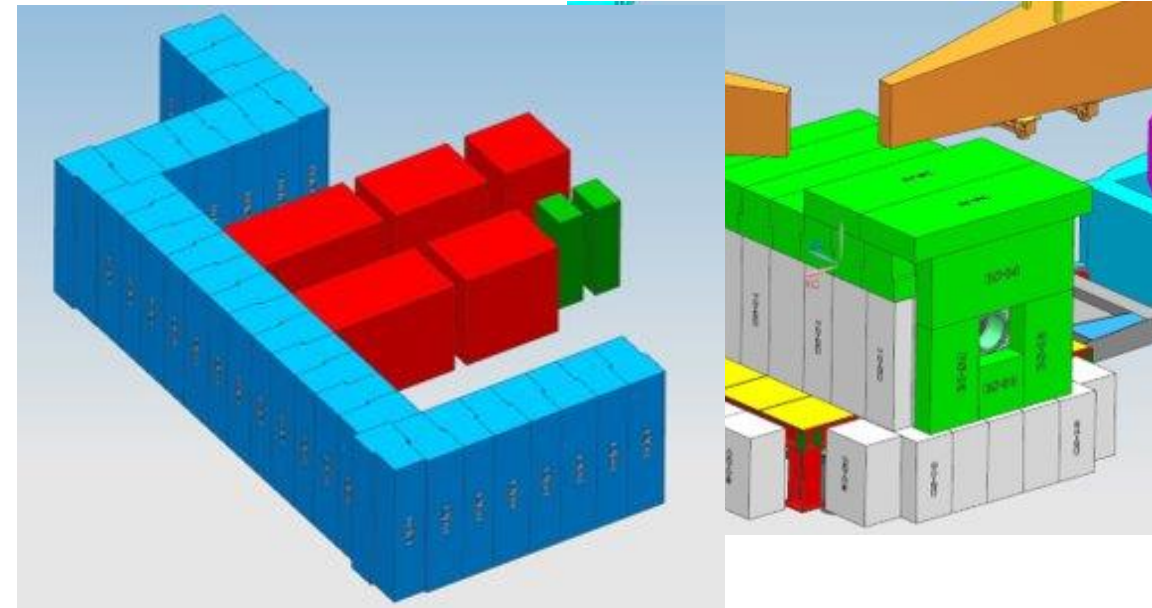
- Reconfiguration of the upstream beamline has been a huge effort to design and procurements for it are nearly complete



MOLLER: shielding

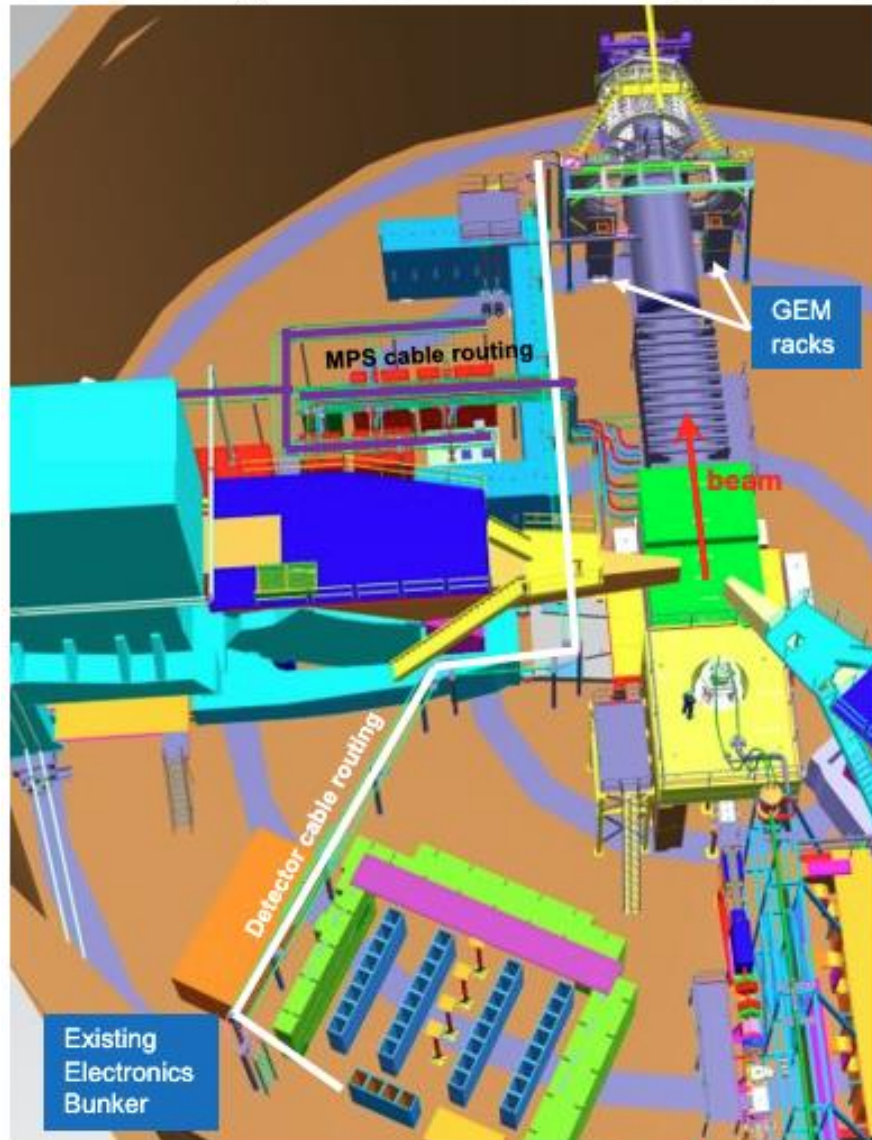


- Prototype concrete blocks delivered and orders in for all concrete shielding
 - including high density shielding around the beamline



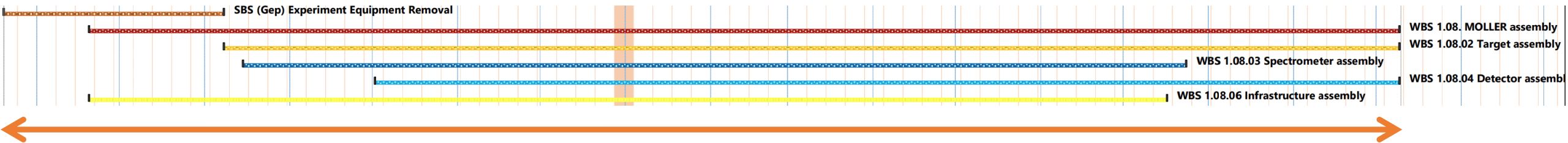
MOLLER: infrastructure

Cable routing for detectors and magnet power



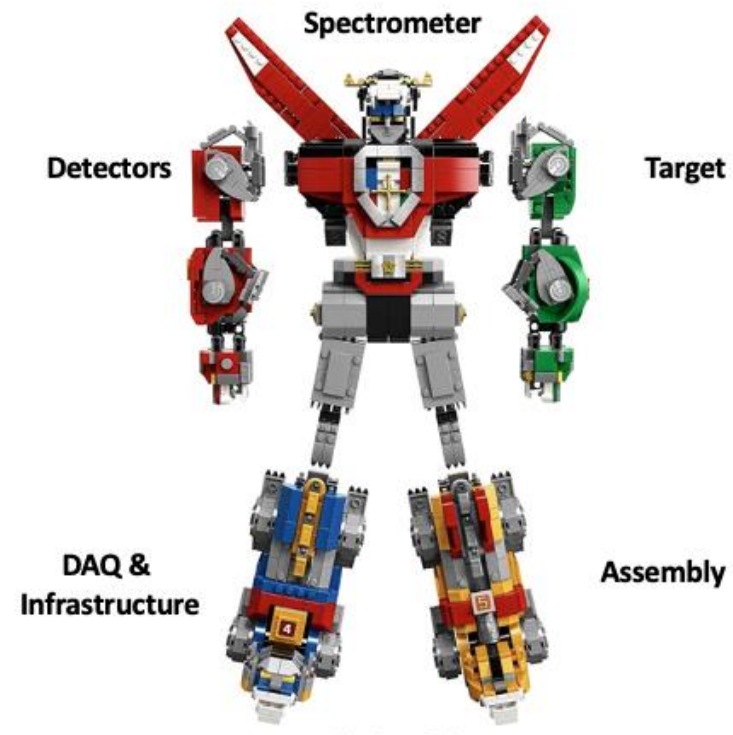
- We will reuse what the hall can spare and for the rest of the cables we will buy or custom build cables in house
- Power supplies are on the way for all detectors

MOLLER: assembly



16months +

- Vladimir is coordinating a very large group of us to last-minute a plan that will meet our commitments to the DOE while at the same time respects the new safety rules and puts all these interlocking pieces together
 - A big challenge is to keep the plan flexible enough to withstand changes (even last-minute ones) while at the same time detailed enough for everyone to agree it can be done



MOLLER: assembly

