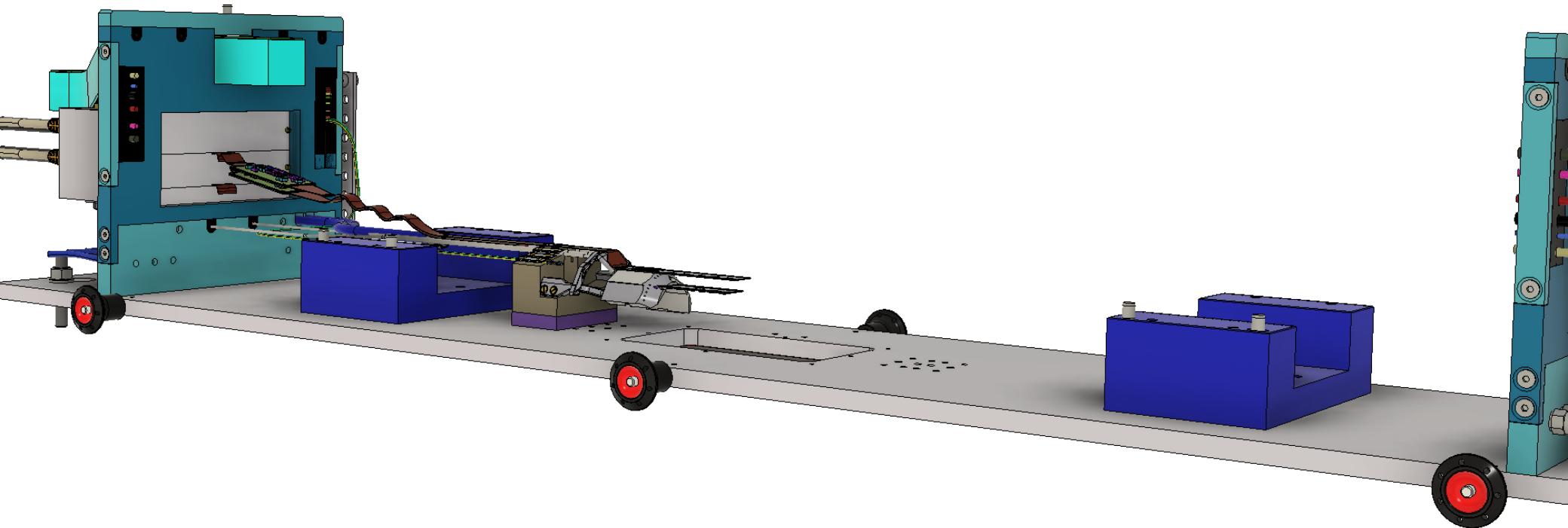


Dry Box

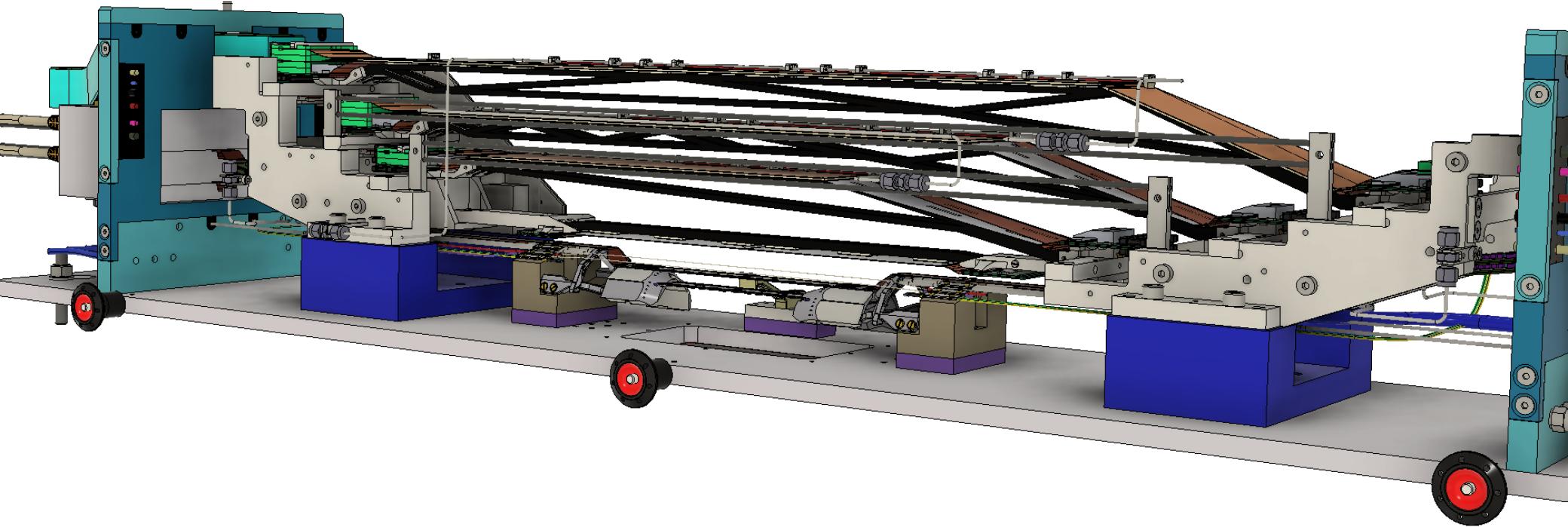
System Integration

Step 1: PXD



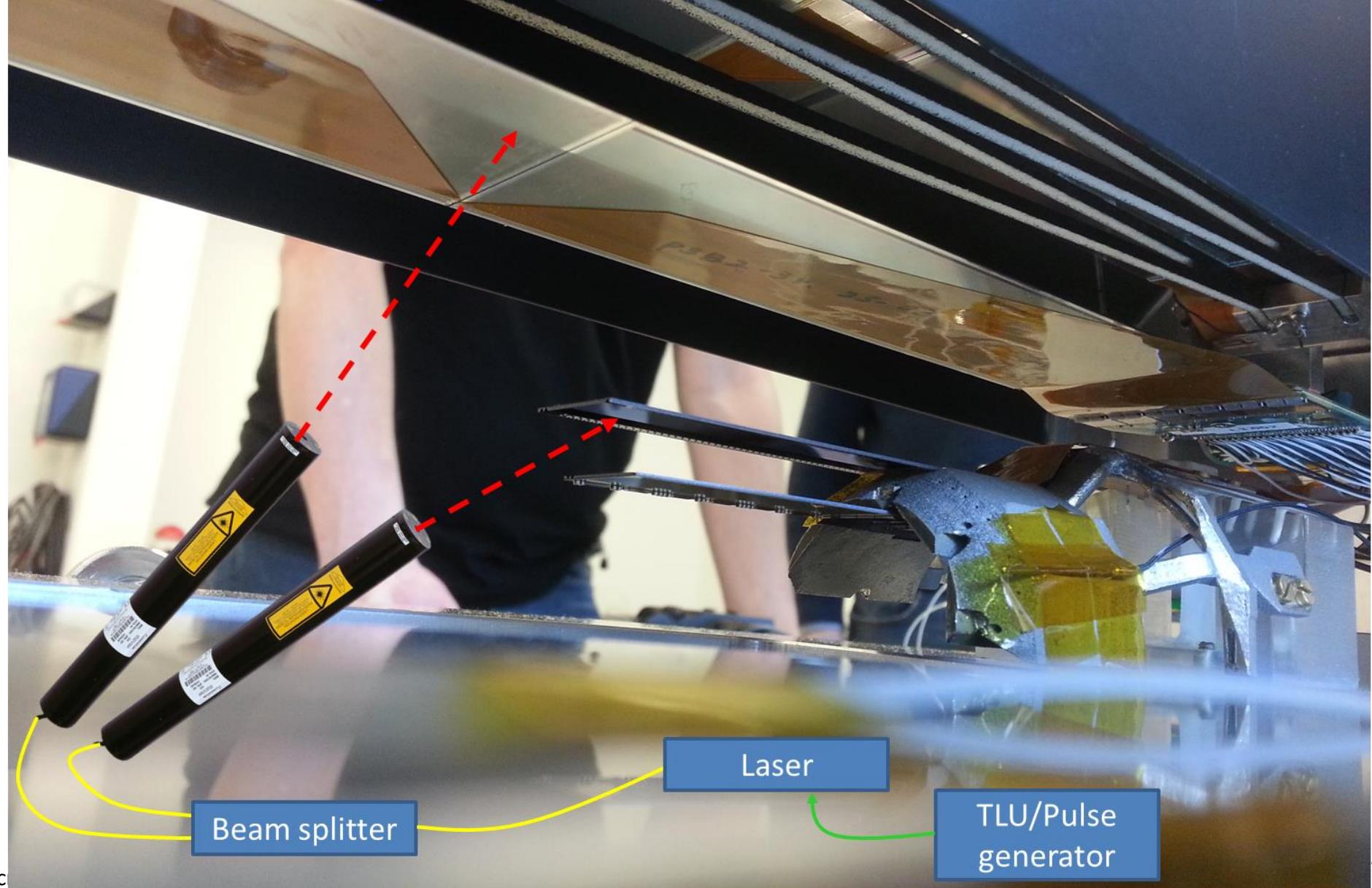
Re-use the rectangular shaped box and set up from April's test beam

Step 2: VXD



Re-use the rectangular shaped box and set up from April's test beam

Laser Set Up

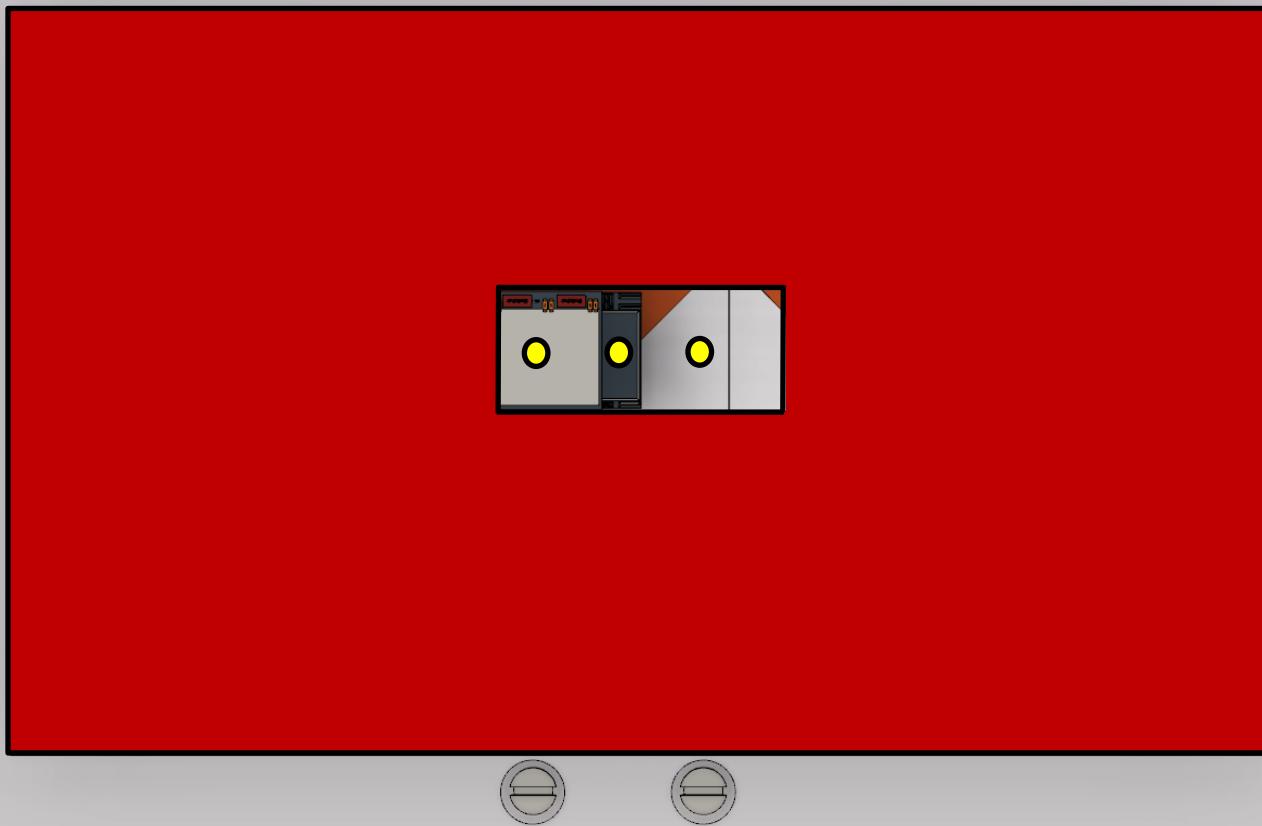


Laser Set Up

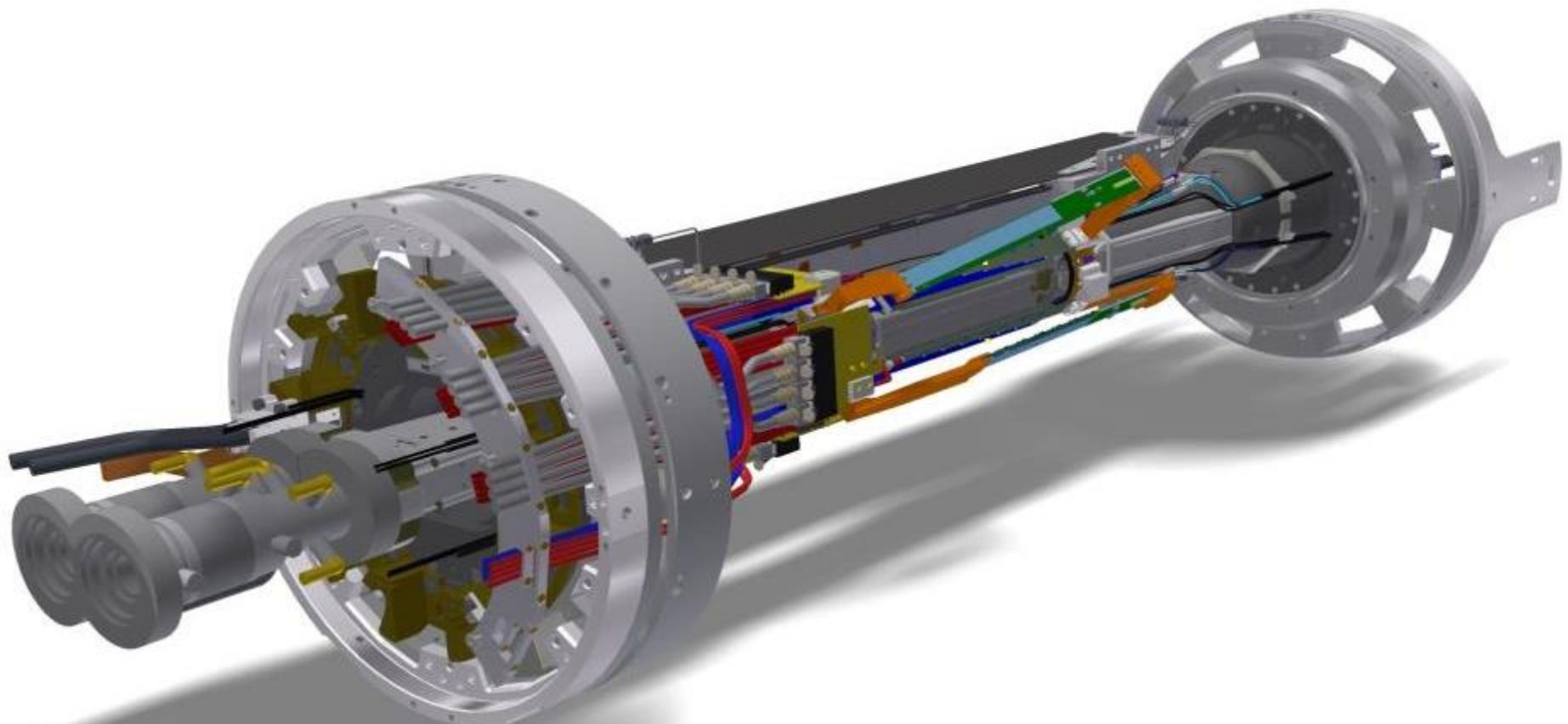


Laser Set Up

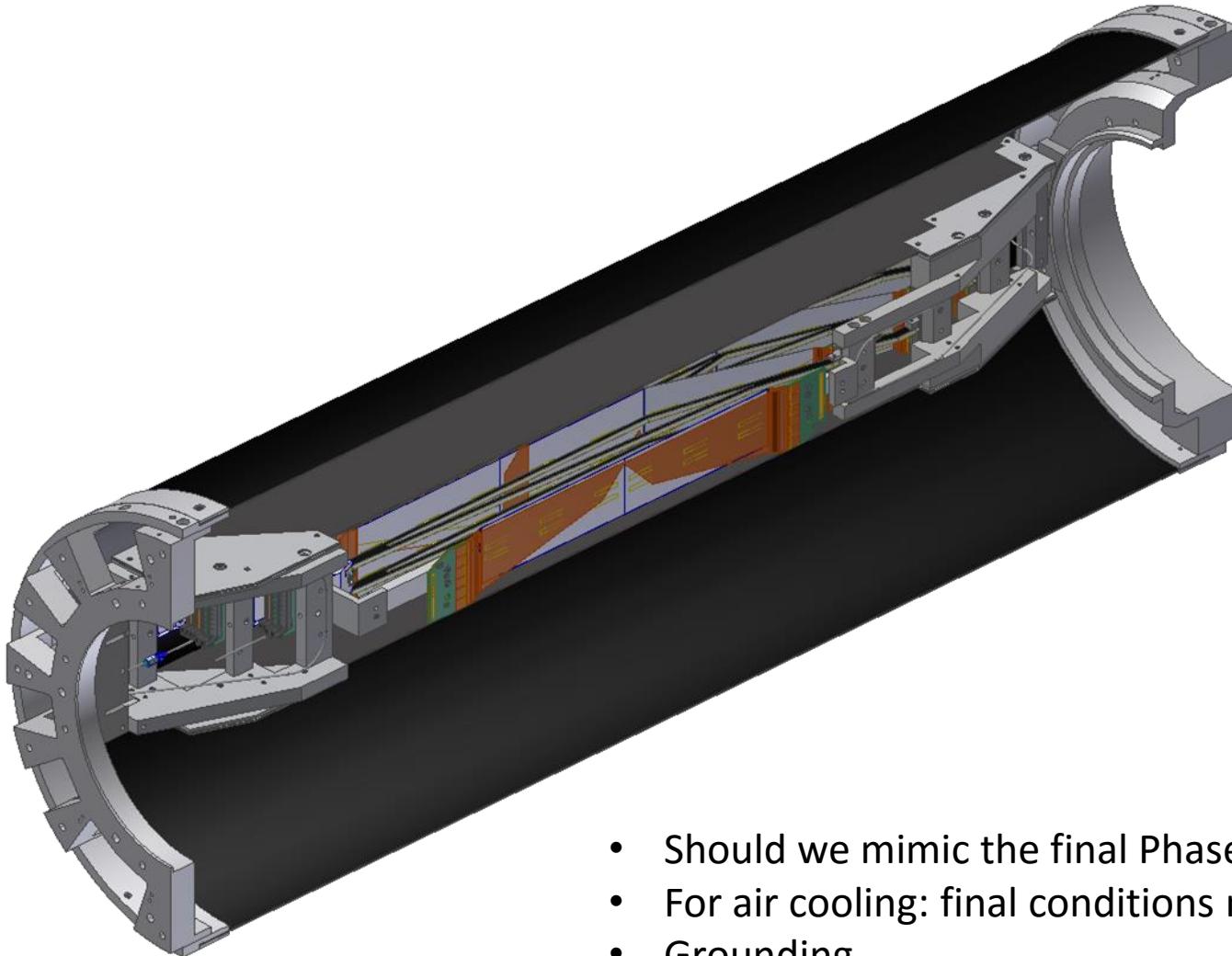
● Laser



Step 3: Phase 2

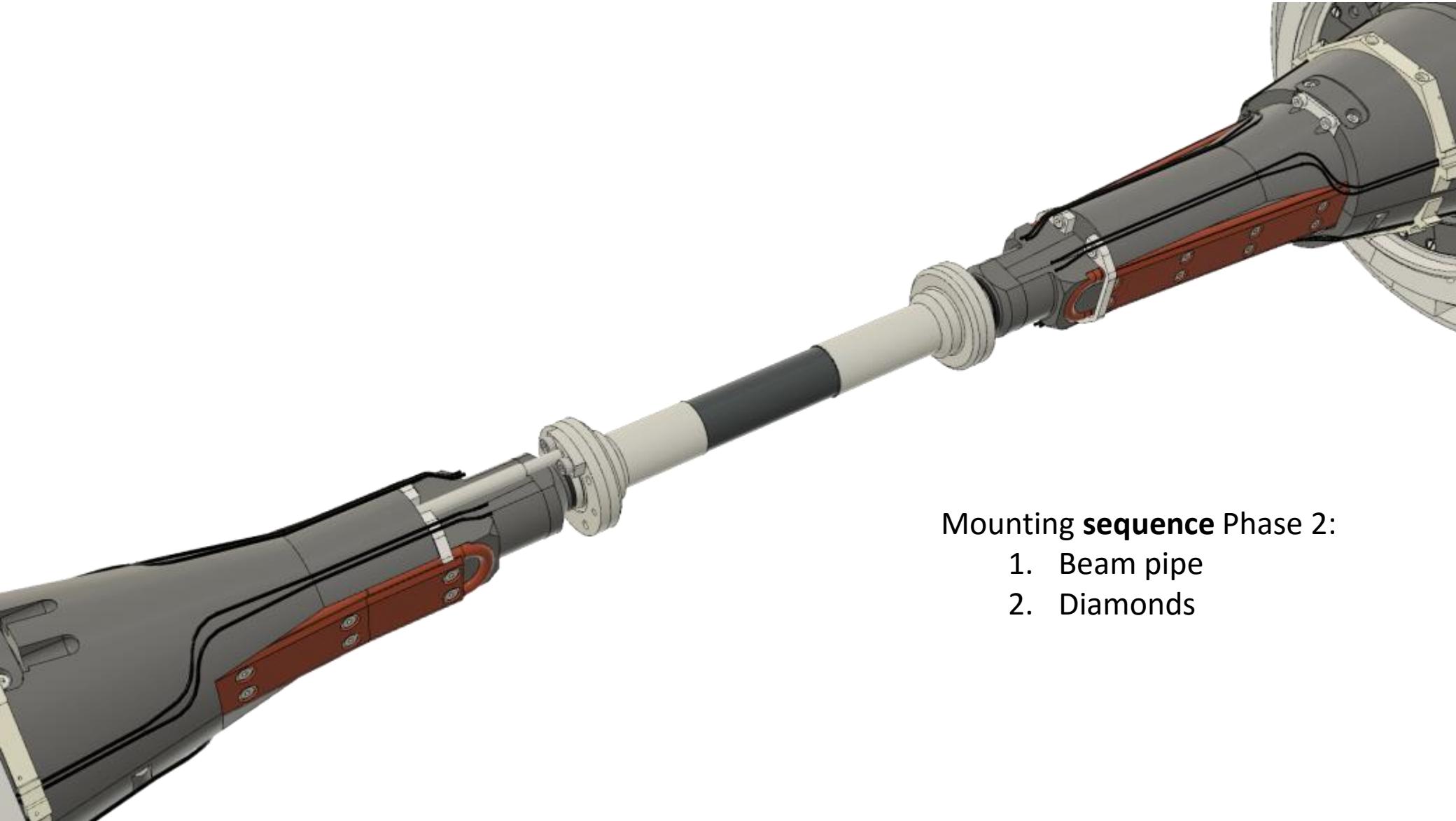


Step 3: Phase 2



- Should we mimic the final Phase 2 geometry?
- For air cooling: final conditions needed
- Grounding
- Beam pipe, cylindrical outer cover

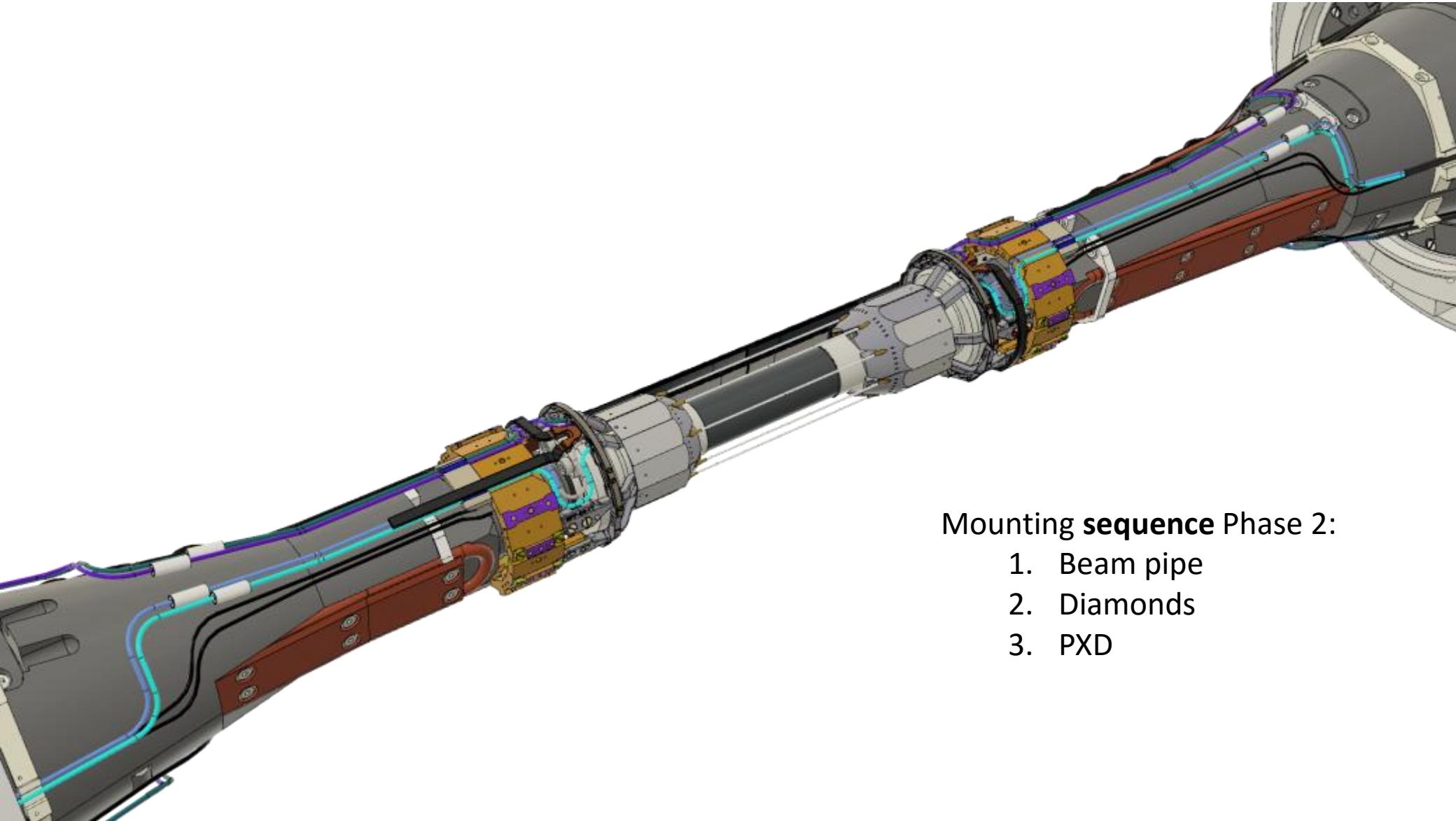
System Integration



Mounting **sequence** Phase 2:

1. Beam pipe
2. Diamonds

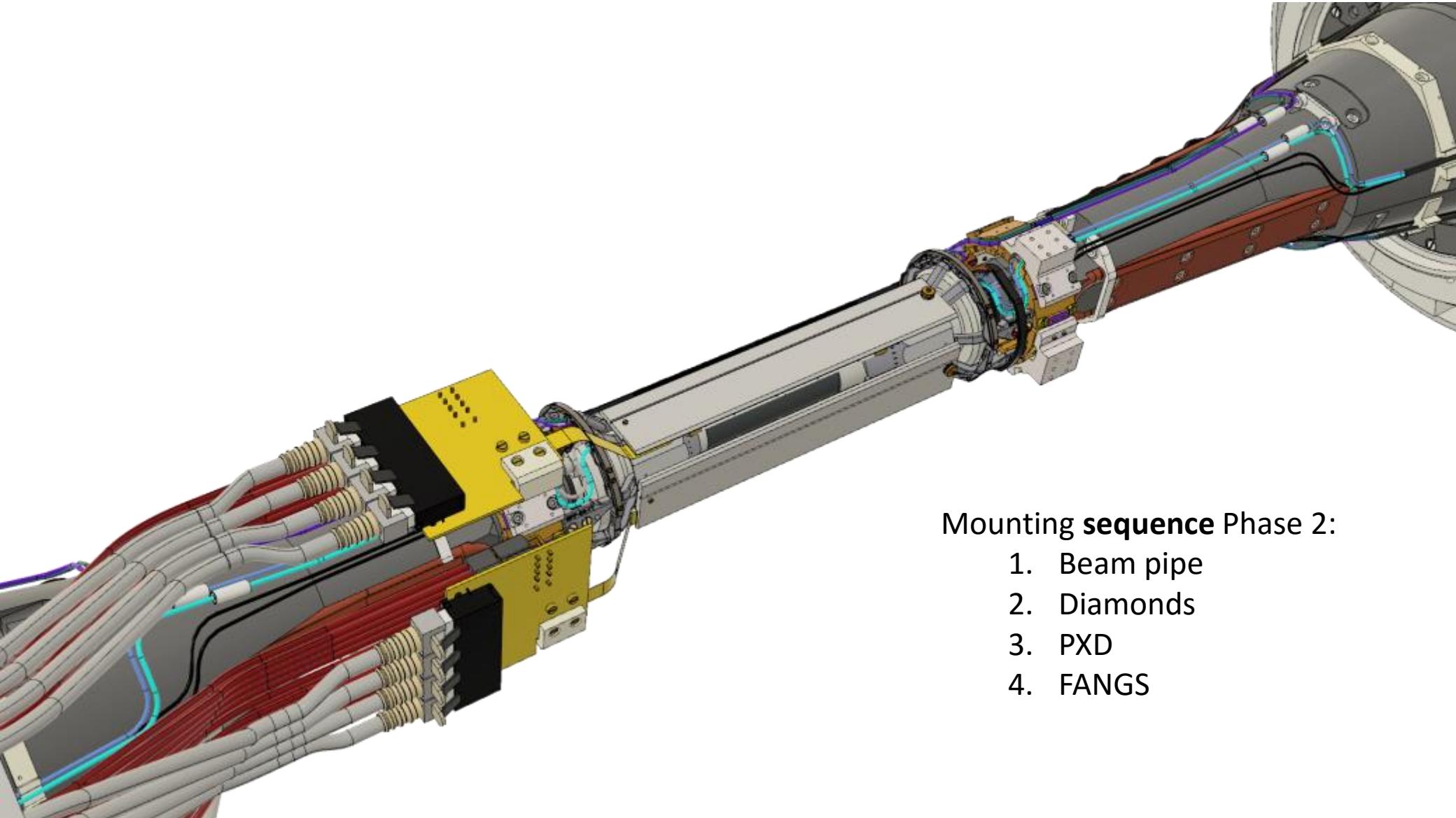
System Integration



Mounting **sequence** Phase 2:

1. Beam pipe
2. Diamonds
3. PXD

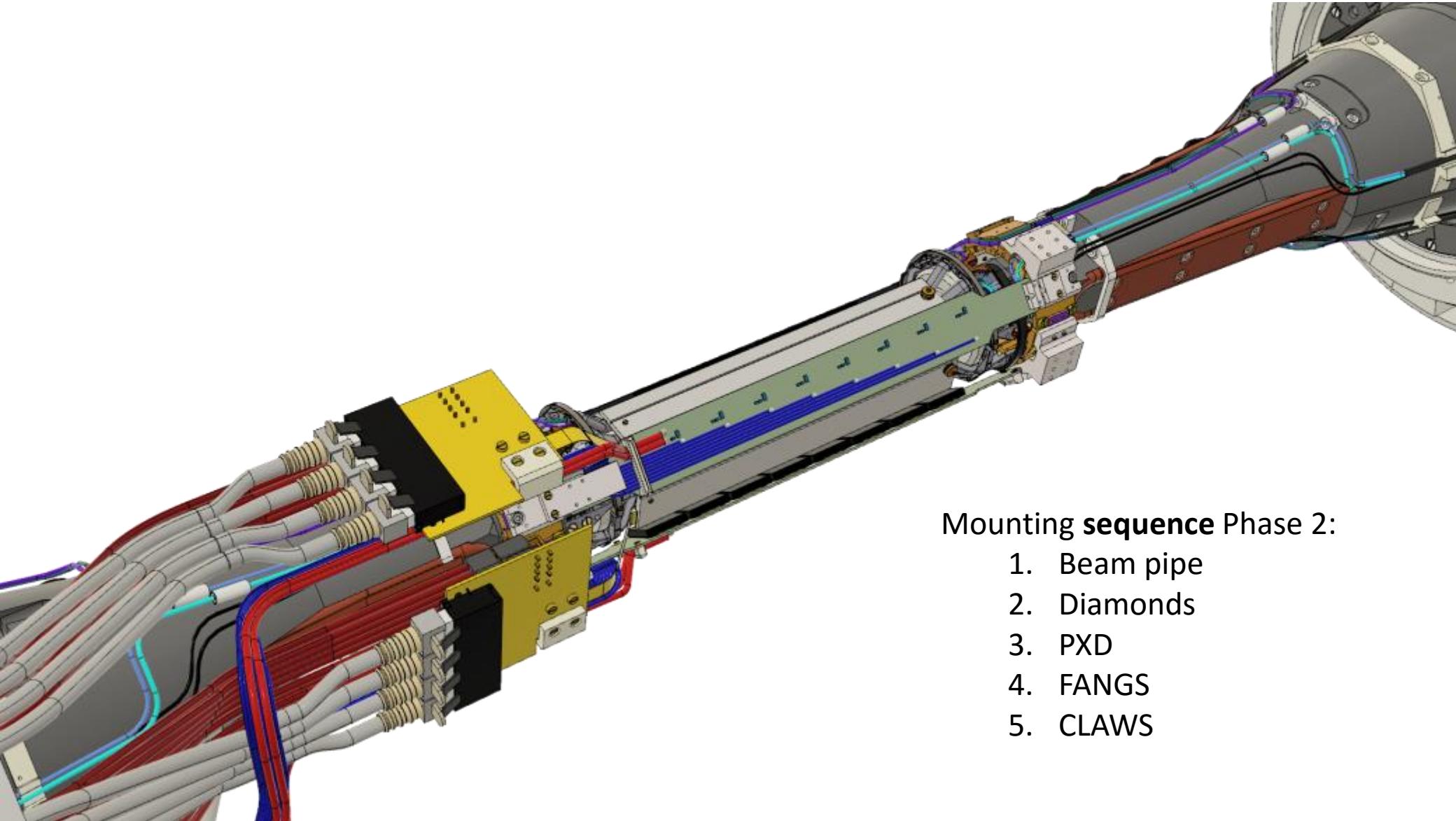
System Integration



Mounting **sequence** Phase 2:

1. Beam pipe
2. Diamonds
3. PXD
4. FANGS

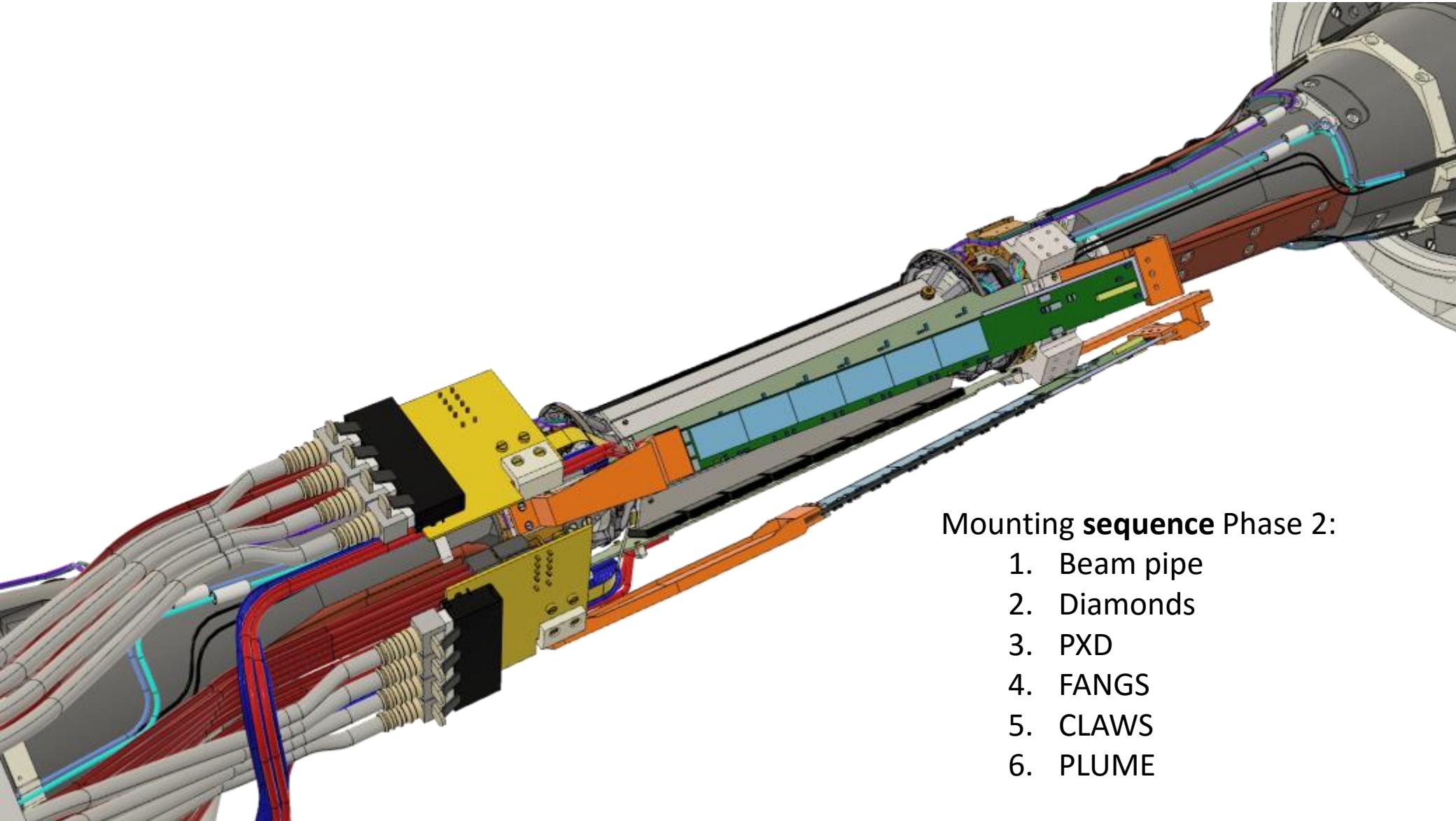
System Integration



Mounting **sequence** Phase 2:

1. Beam pipe
2. Diamonds
3. PXD
4. FANGS
5. CLAWS

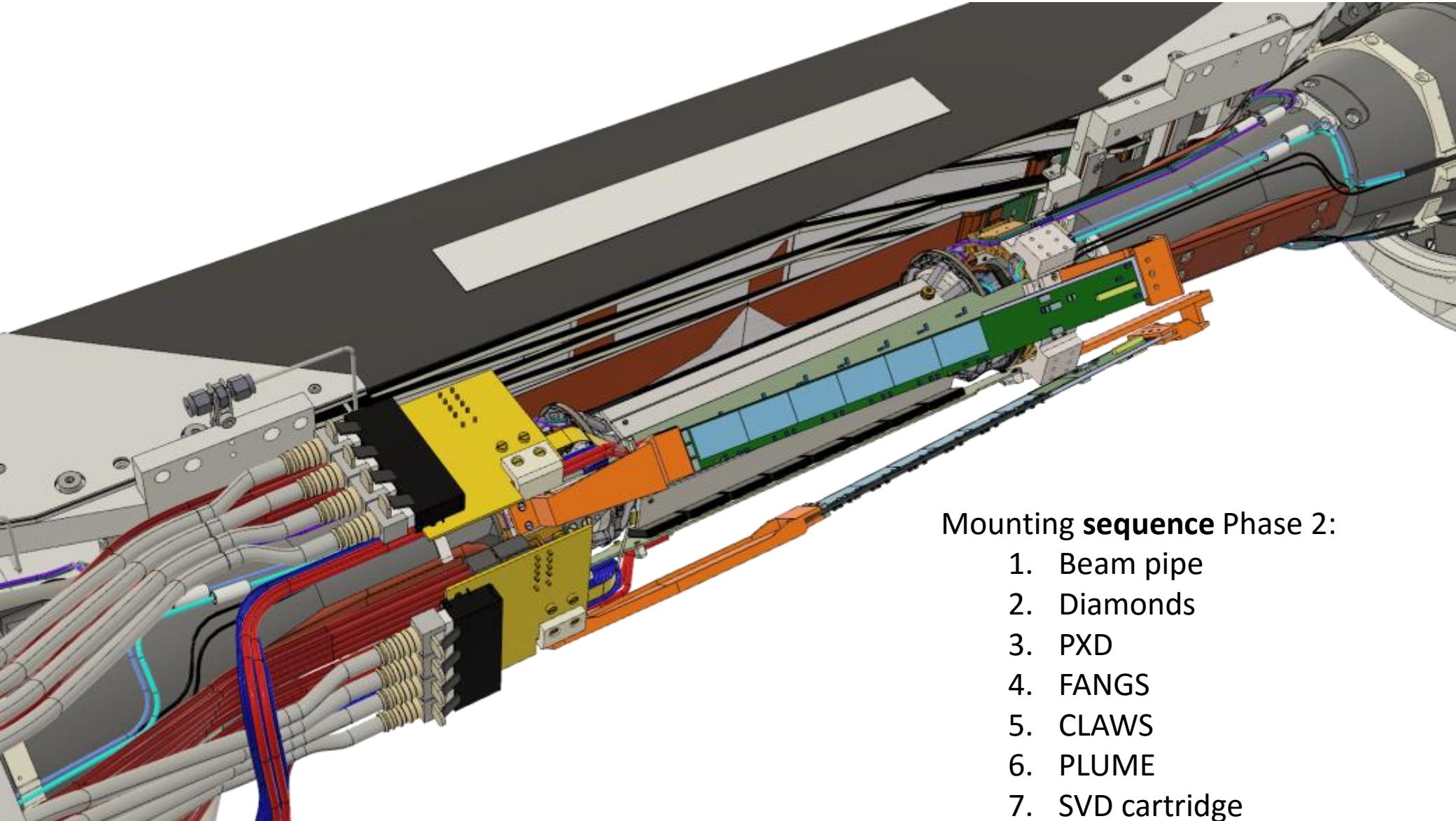
System Integration



Mounting **sequence** Phase 2:

1. Beam pipe
2. Diamonds
3. PXD
4. FANGS
5. CLAWS
6. PLUME

System Integration

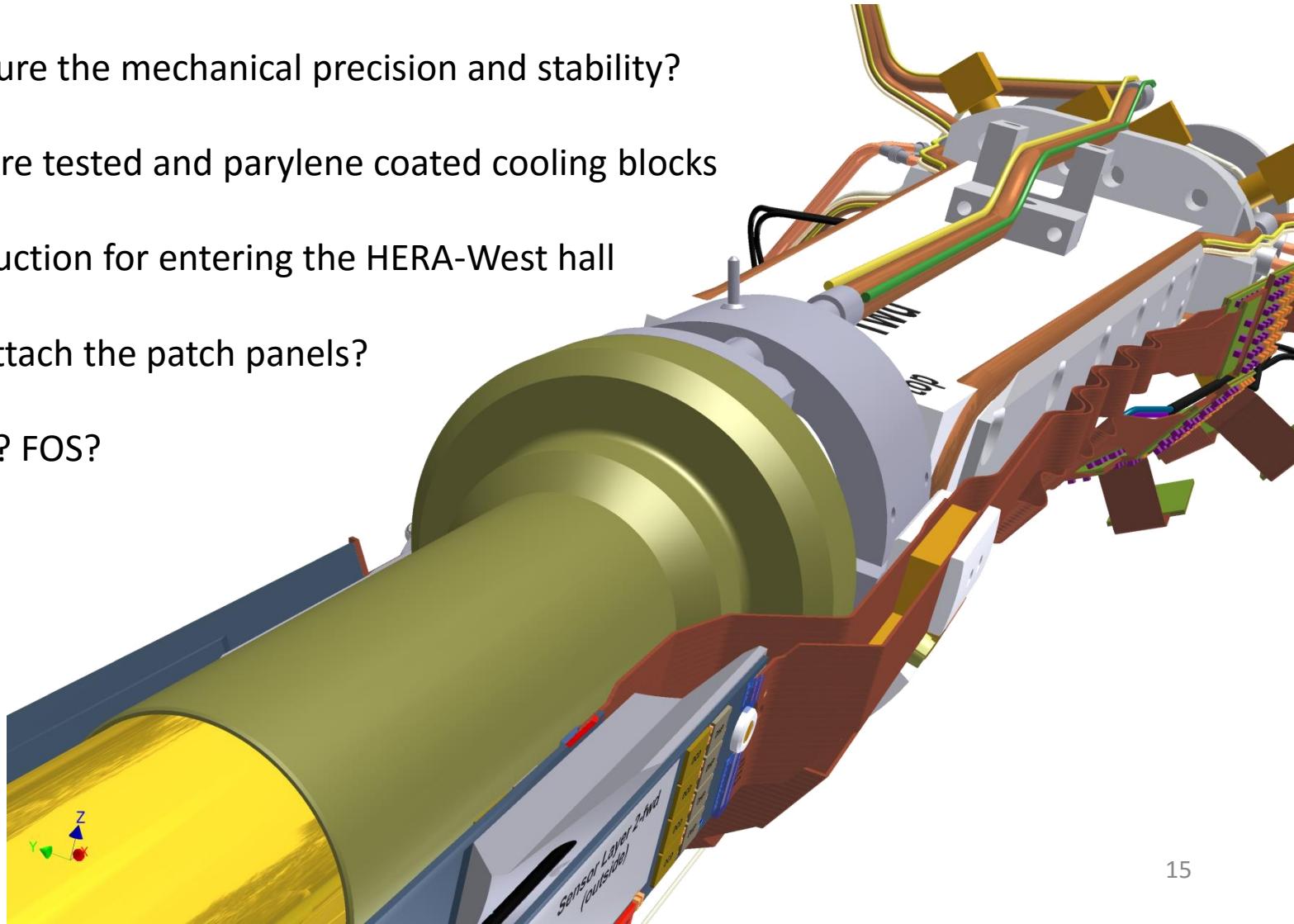


Mounting **sequence** Phase 2:

1. Beam pipe
2. Diamonds
3. PXD
4. FANGS
5. CLAWS
6. PLUME
7. SVD cartridge

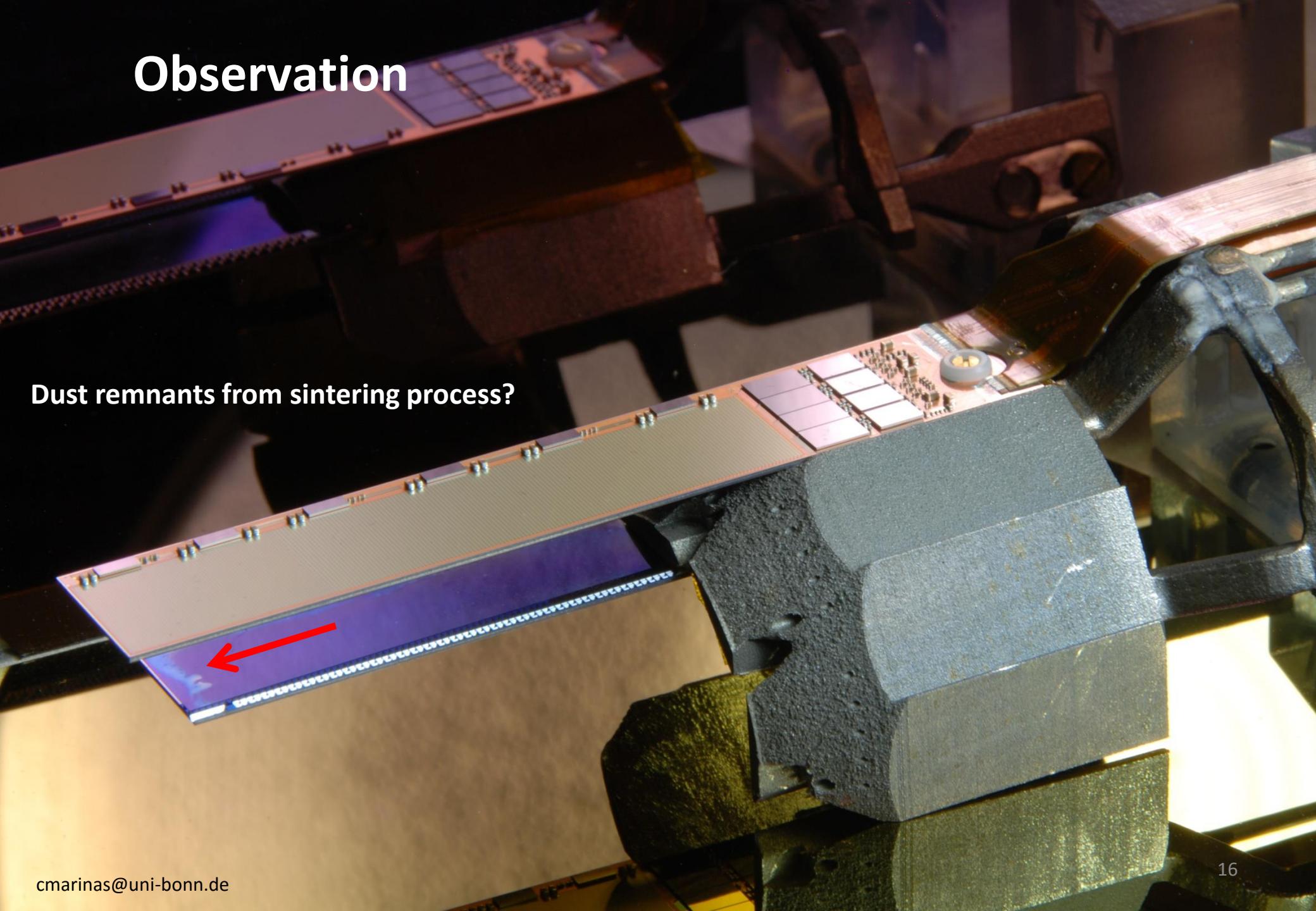
Open Questions

- Tooling for handling entire ladders
- How to ensure the mechanical precision and stability?
- Four pressure tested and parylene coated cooling blocks
- Safety instruction for entering the HERA-West hall
- Where to attach the patch panels?
- Monitoring? FOS?



Observation

Dust remnants from sintering process?





Thanks