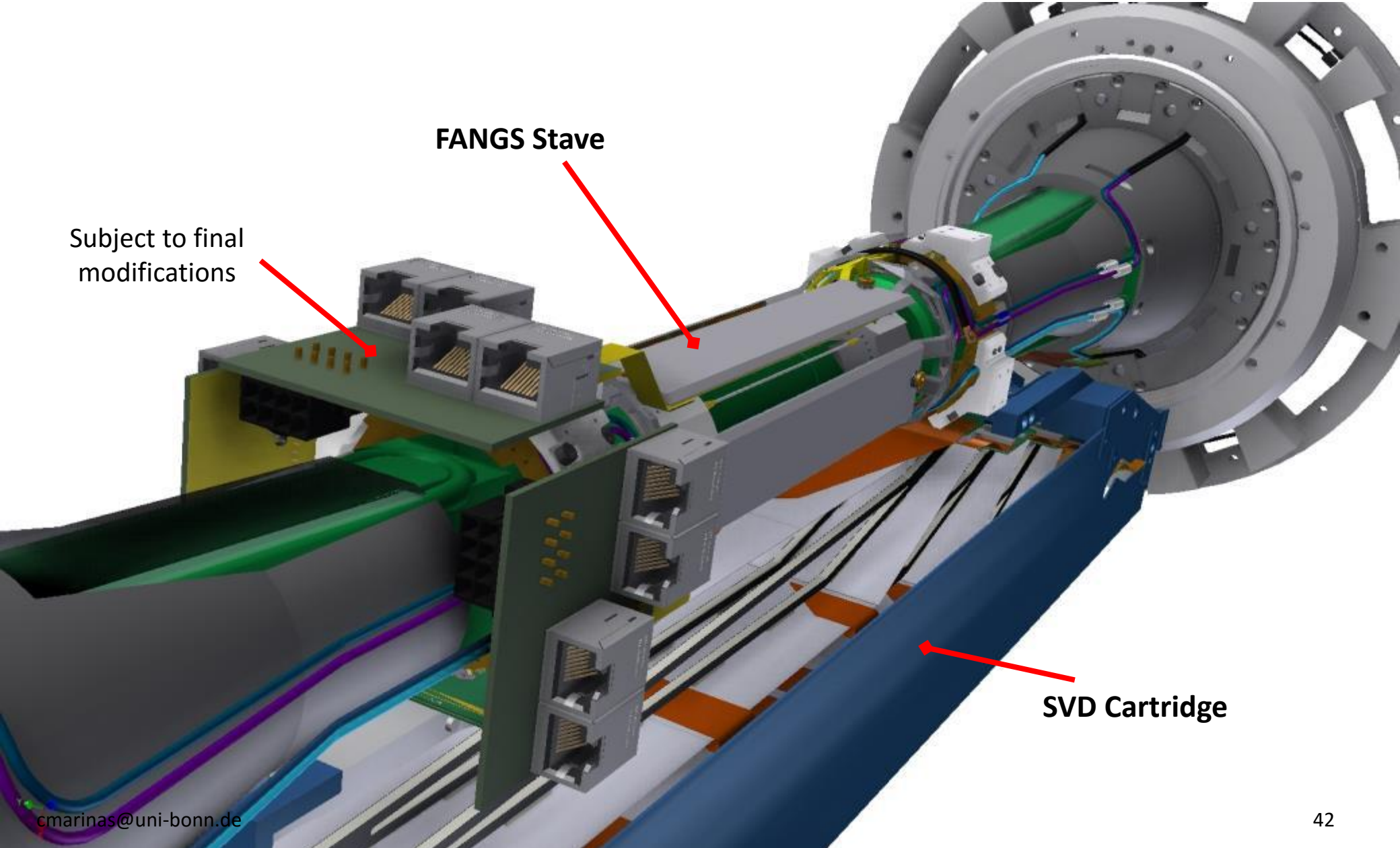
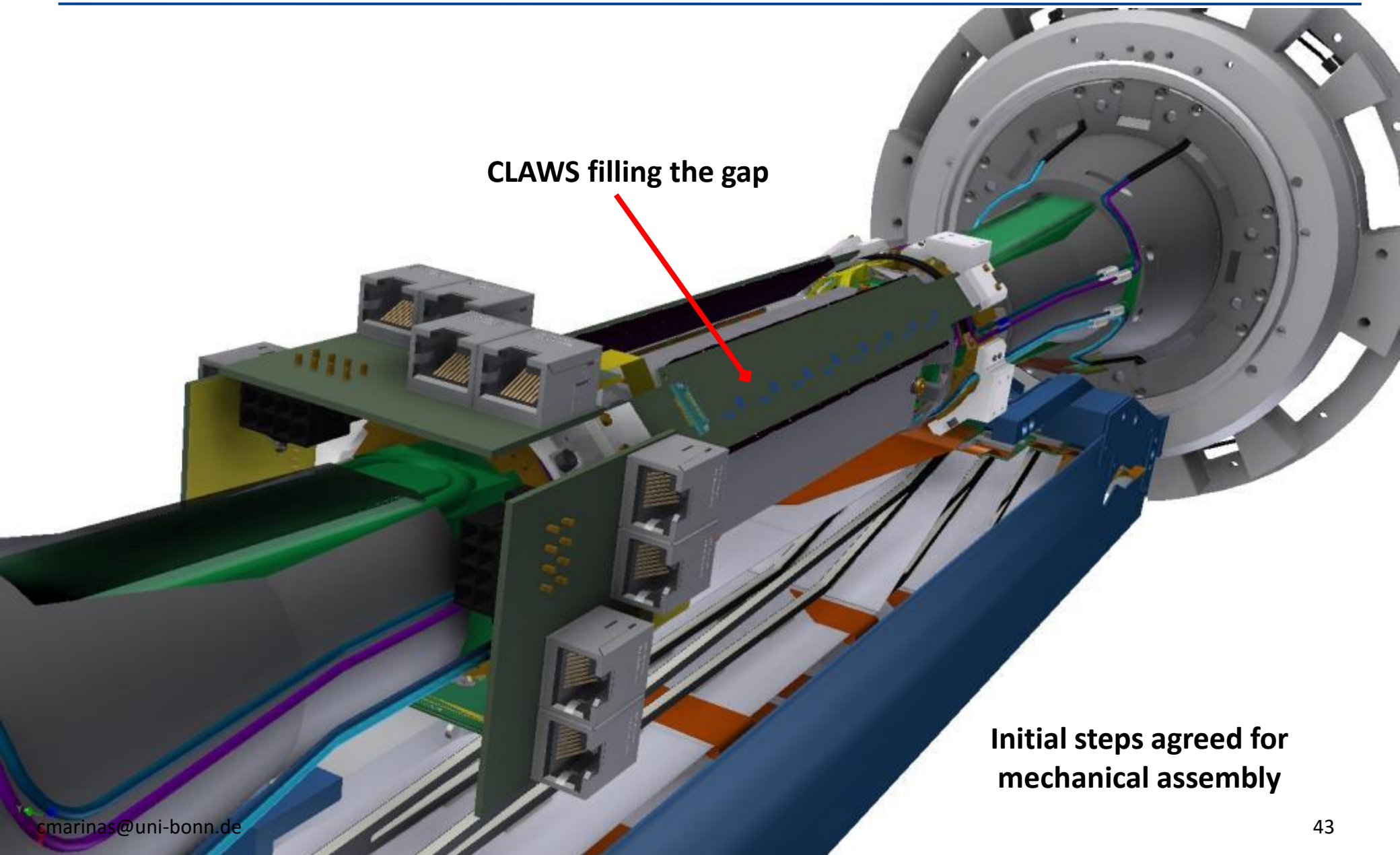
System Integration

universitätbonn



System Integration

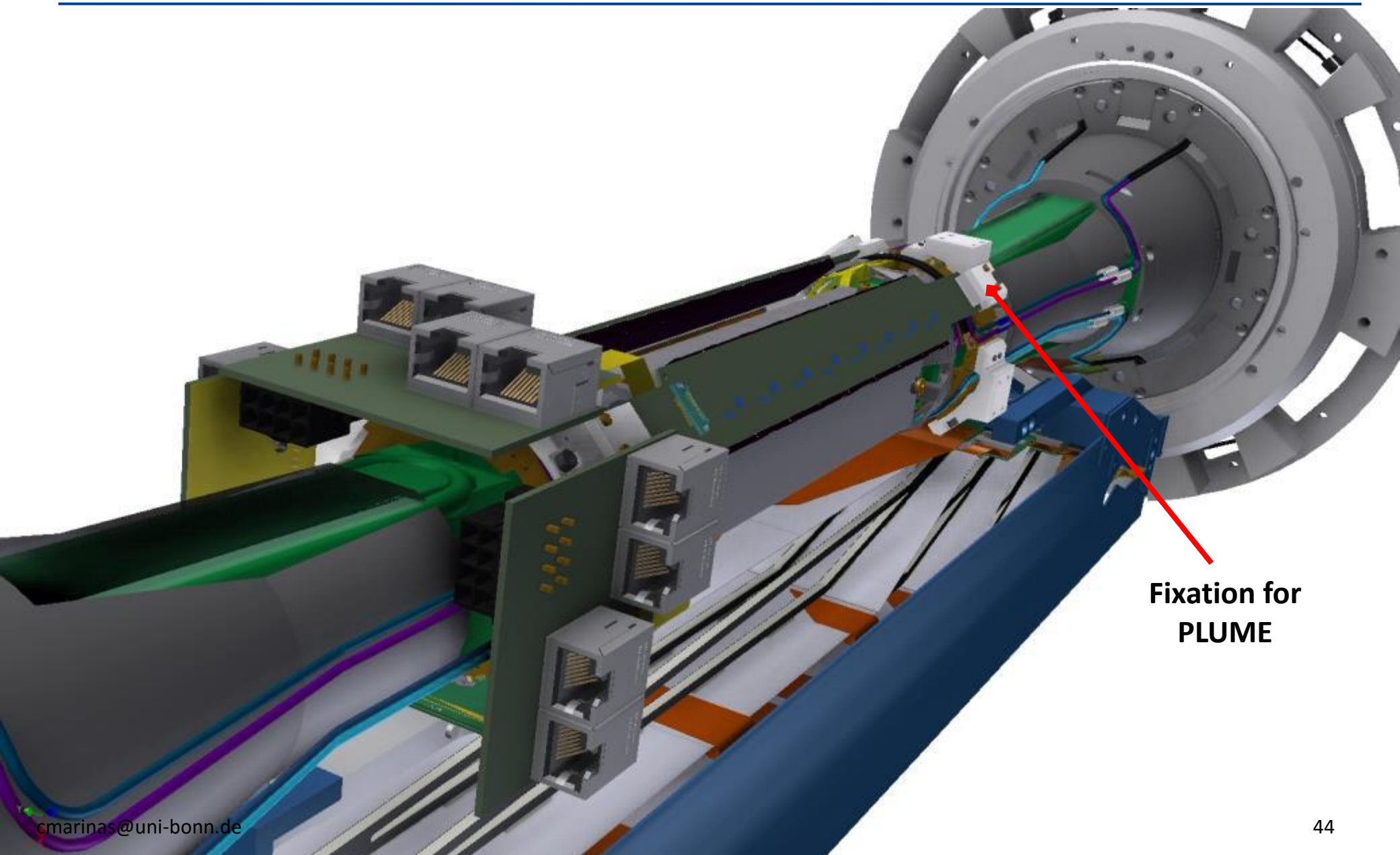
universitätbonn



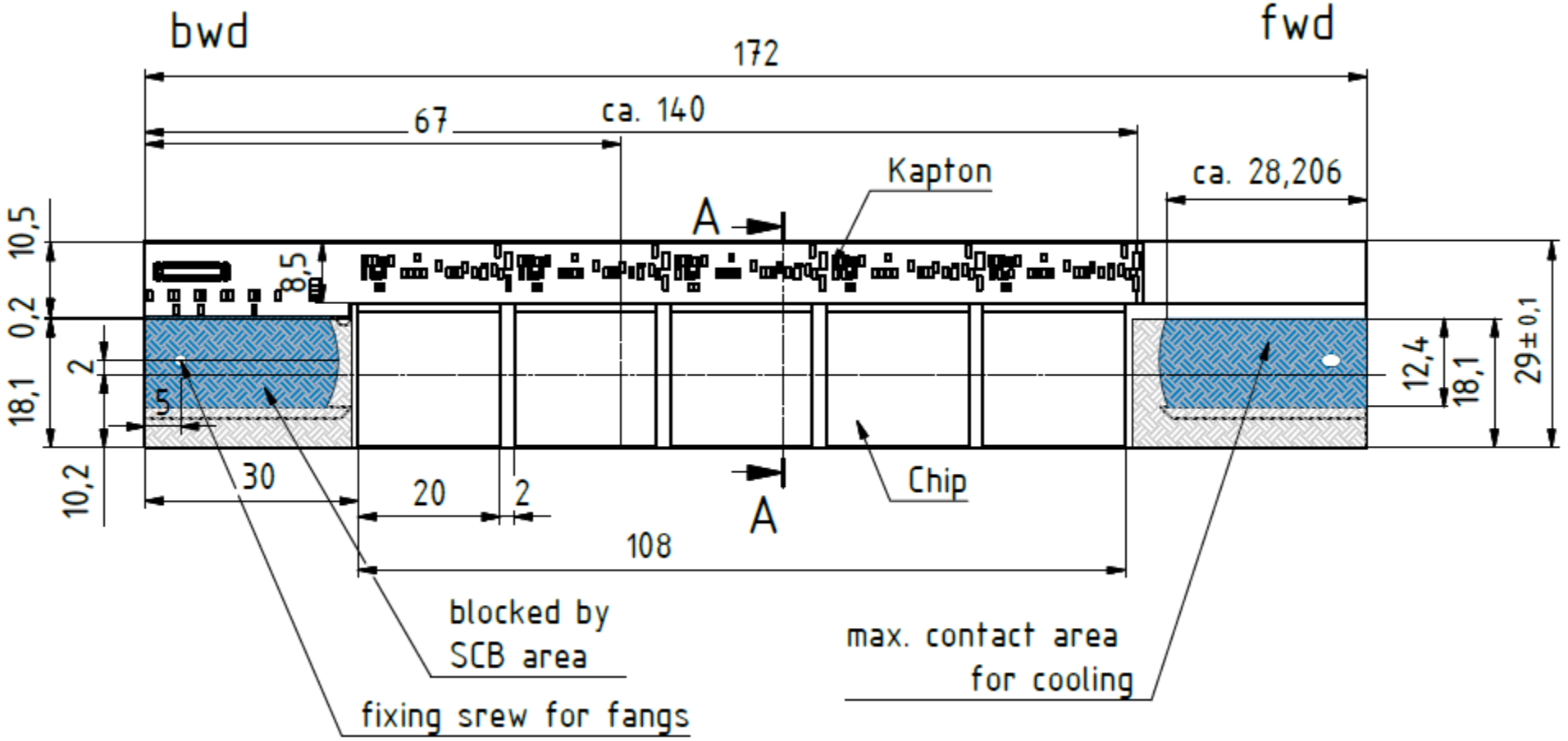
Initial steps agreed for mechanical assembly

System Integration

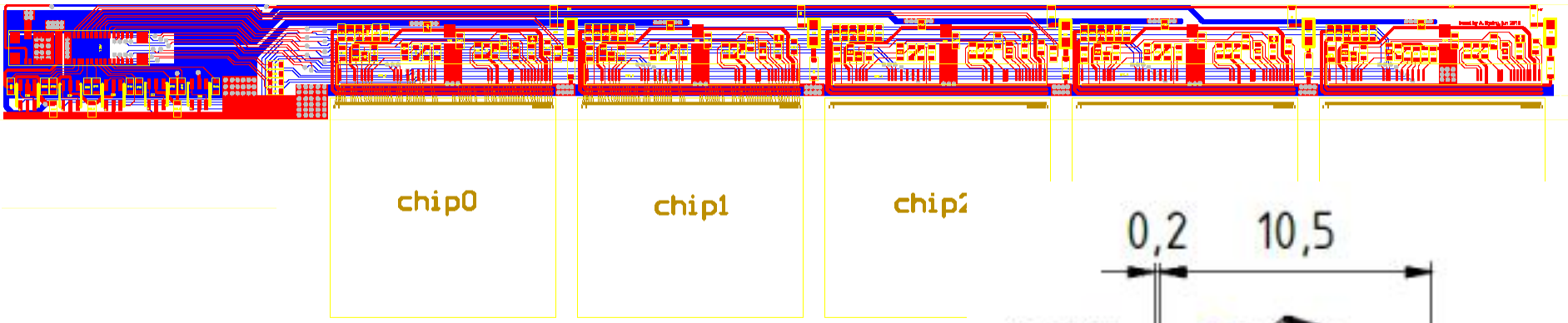
universitätbonn

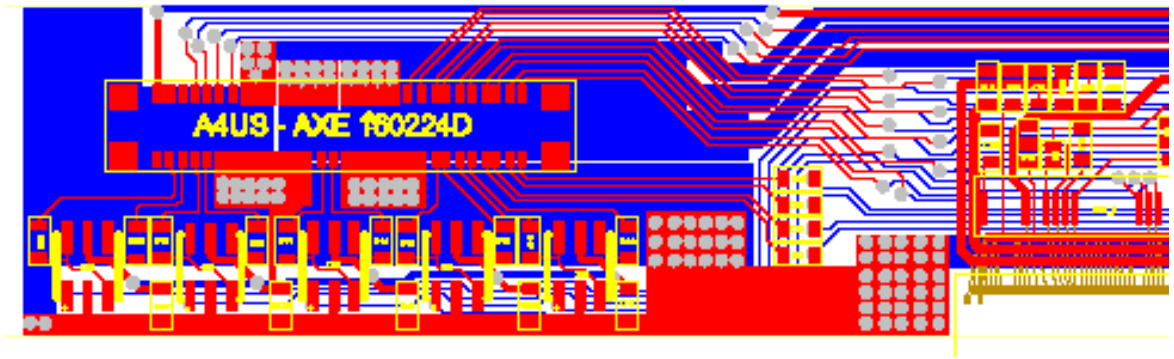


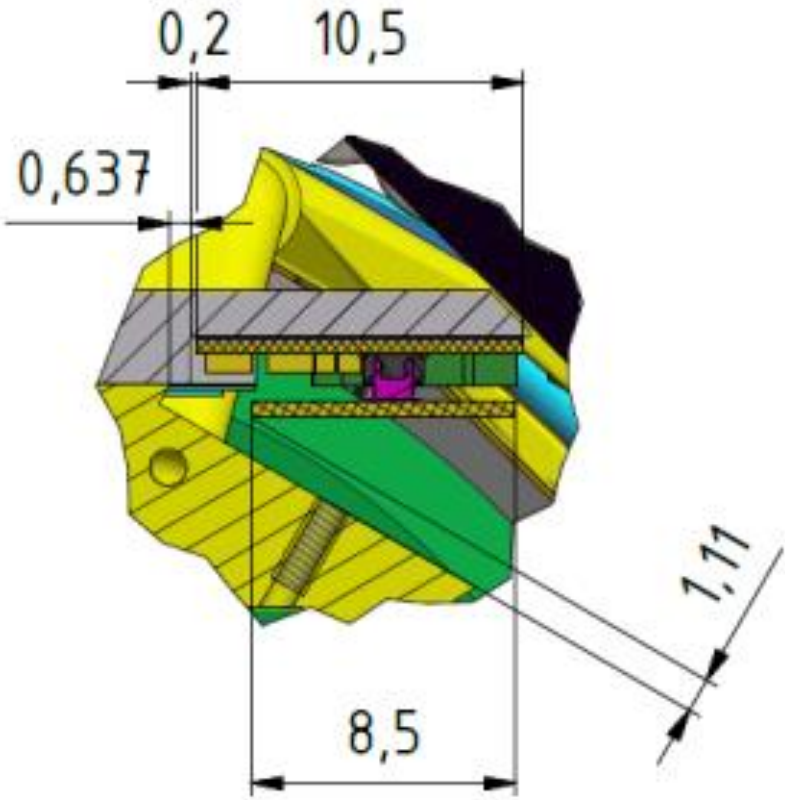
FANGS Dimensions



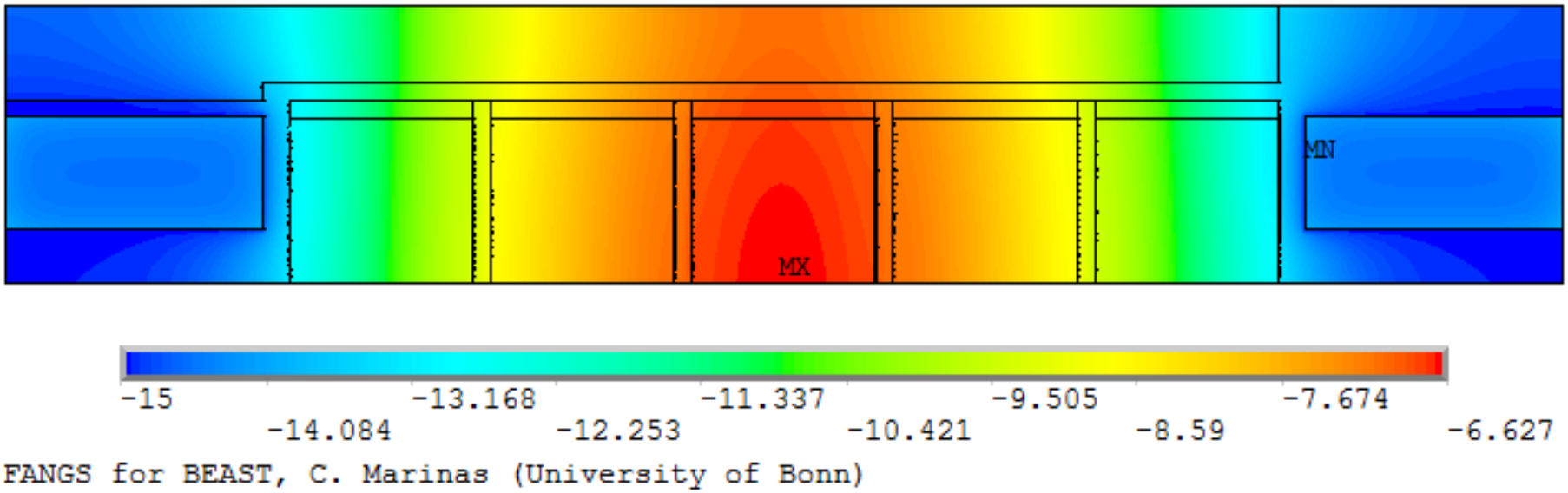
PXD SCB Clearance



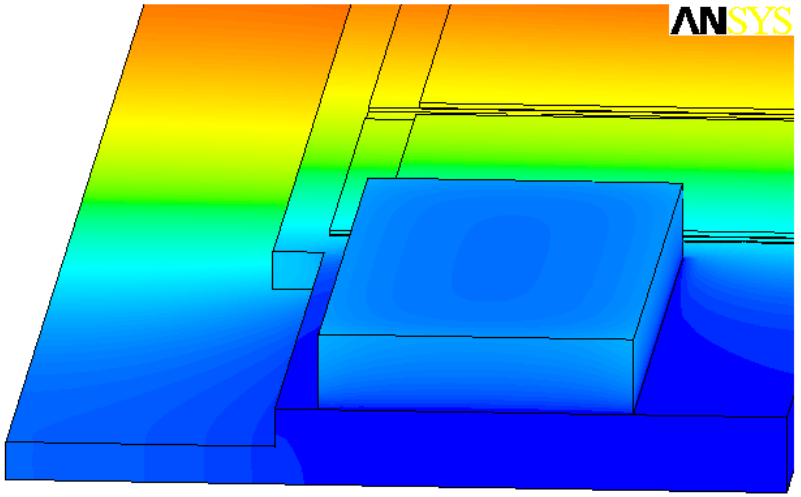




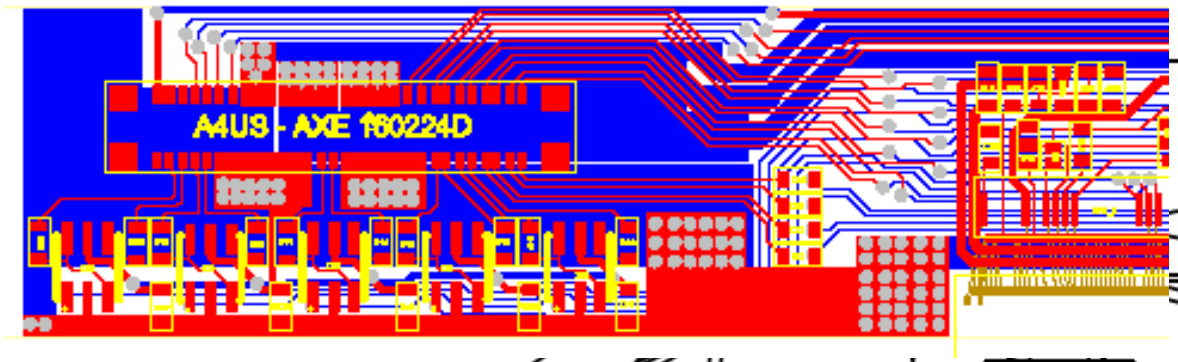
FEA of the FANGS Stave

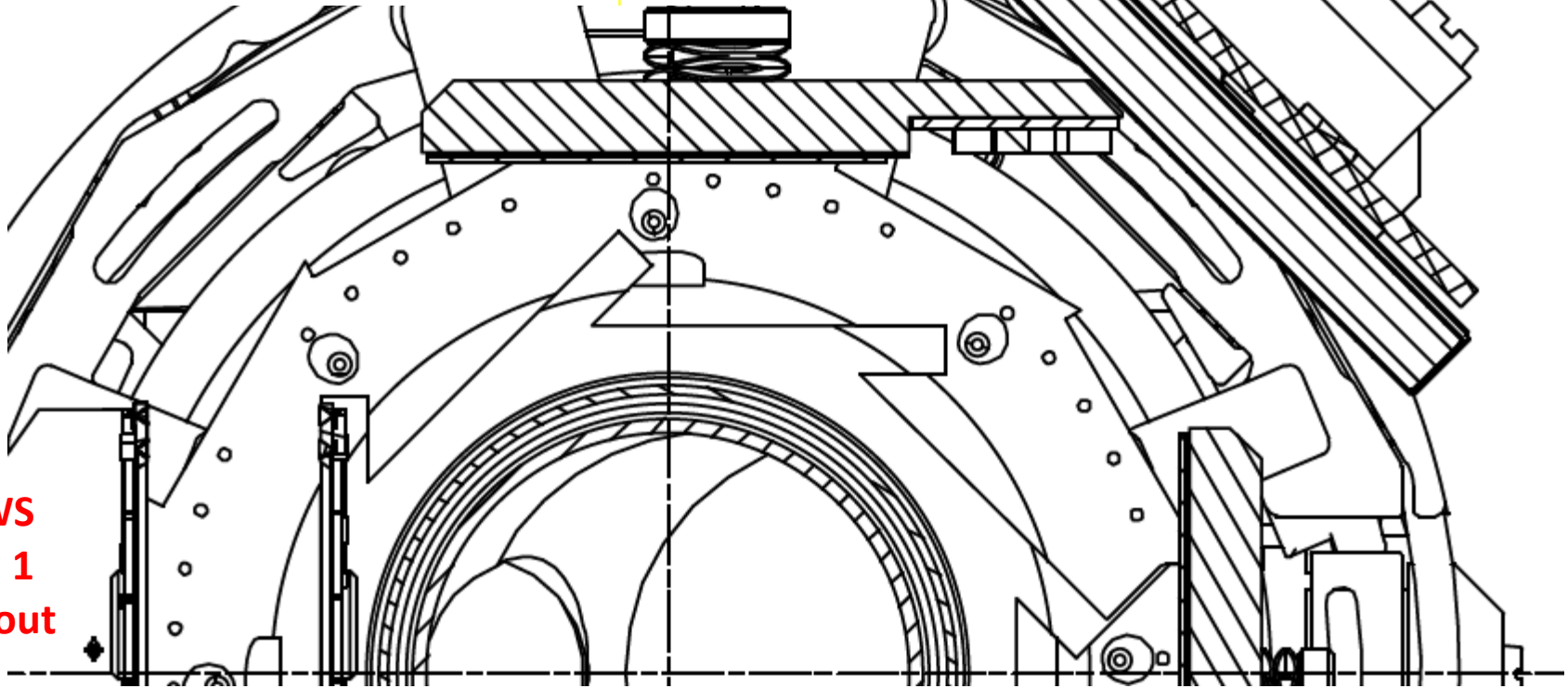


- Maximum temperature = -4 ^{o}C
- Maximum ΔT within one sensor = 4 ^{o}C
- Power = 1.2 W each FE
- Cooling block = -15 ^{o}C
- Environment = 20 ^{o}C at 2 m/s



Clearance





Move CLAWS and PLUME 1 mm further out

BEAST Phase 2 Open Questions

universitätbonn

- Trigger conditions (single bunch, injection, …) and timing
- Commissioning crew
- Realistic timeline
- Services needed: Important input for KEK

Combined Test Beam: Global set up

universitätbonn

- The TB configuration will mimic that one for Phase 2
  2 PXD ladders
  4 SVD ladders
  Belle II DAQ

- Final services, DAQ, monitoring, software….

- Solenoid field

GOAL: System related aspects and detector commissioning for Phase 2

- Second half of April (?)

- AIDA-TA available on request

Important Organizational Issue

universitätbonn

- New DESY safety requirements:

https://indico.desy.de/getFile.py/access?contribId=7&sessionId=5&resId=0&materialId=slides&confId=10685

  - Indico registration for the Test Beam (!)
  - DACHS ID Card on site
  - Safety Course (Mondays 13h00)

Telescope

universitätbonn

- Only used on a pre-experiment for beam energy calibration inside the PCMAG: Momentum, field homogeneity
- No online data merging with VXD stream
- Offline event building with TLU trigger number