

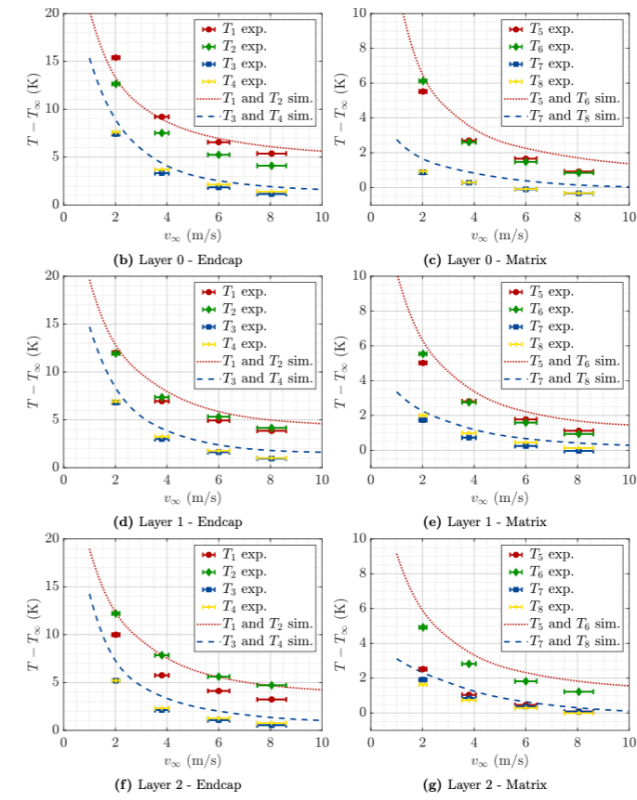
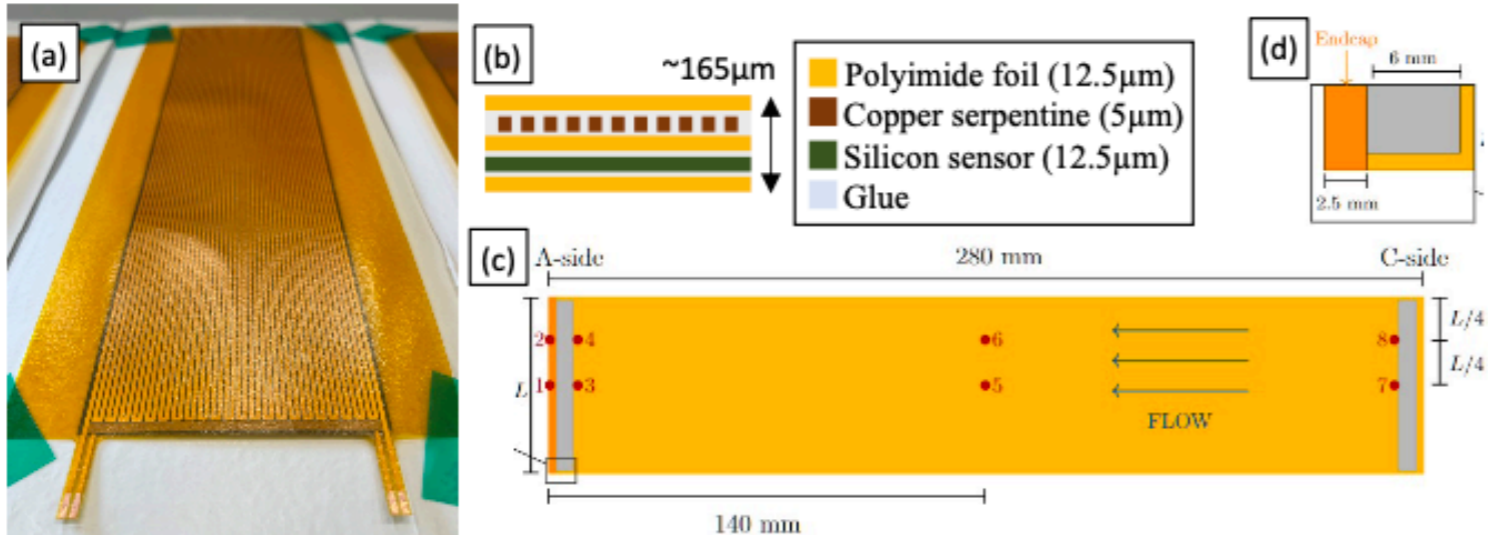


ITS3 activities in Bari

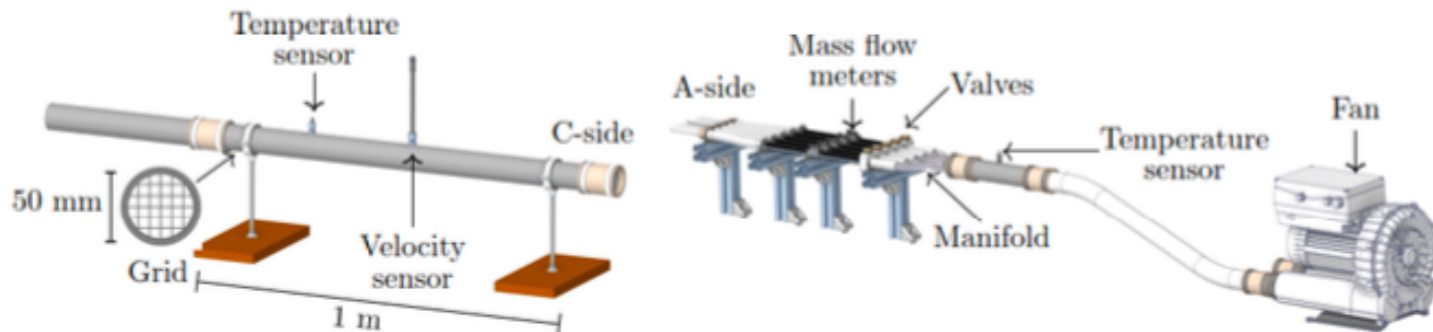
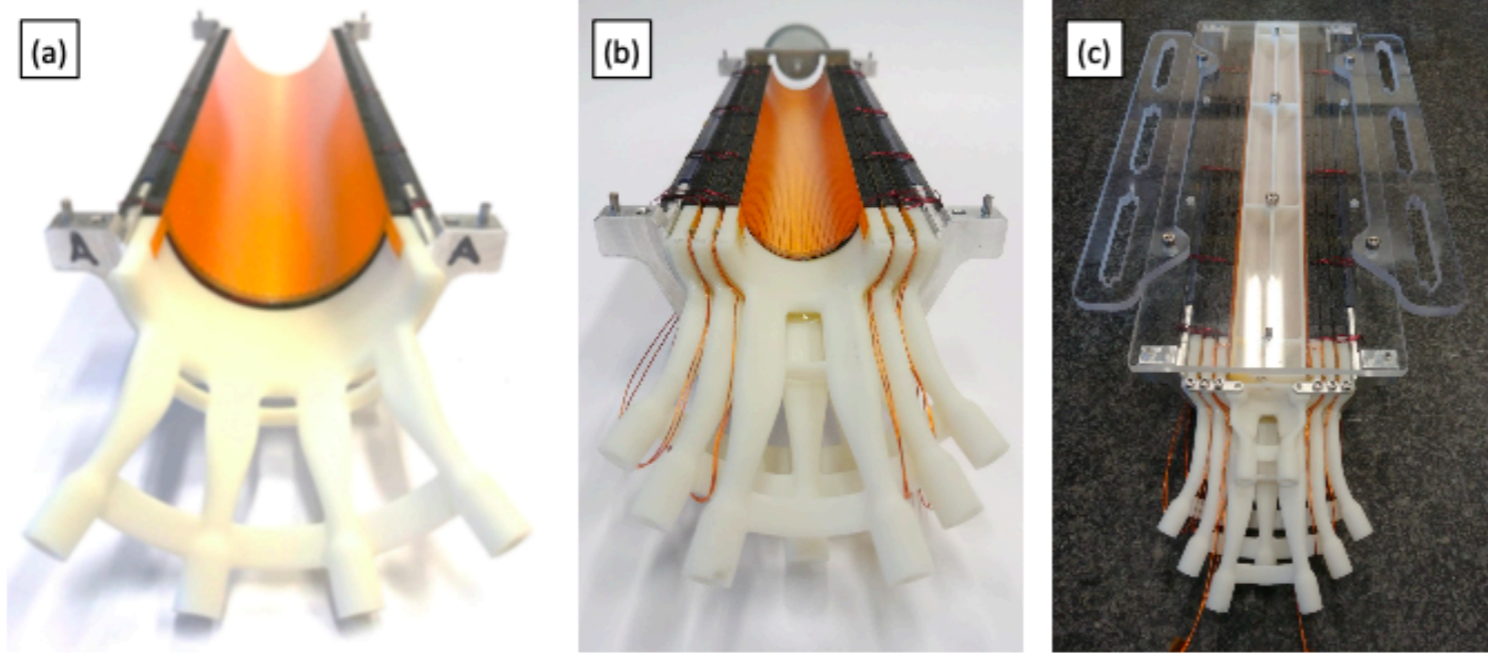
WP5

Cosimo P., Vincenzo V., Matteo R., Sabino M.,
Pasquale C., Giovanni C., D.C.

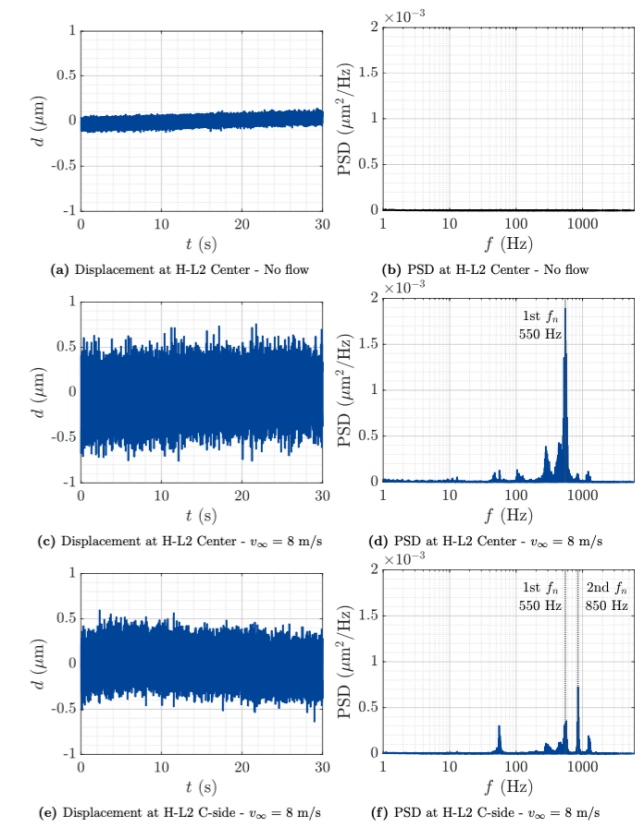
BBM3



TEMPERATURE

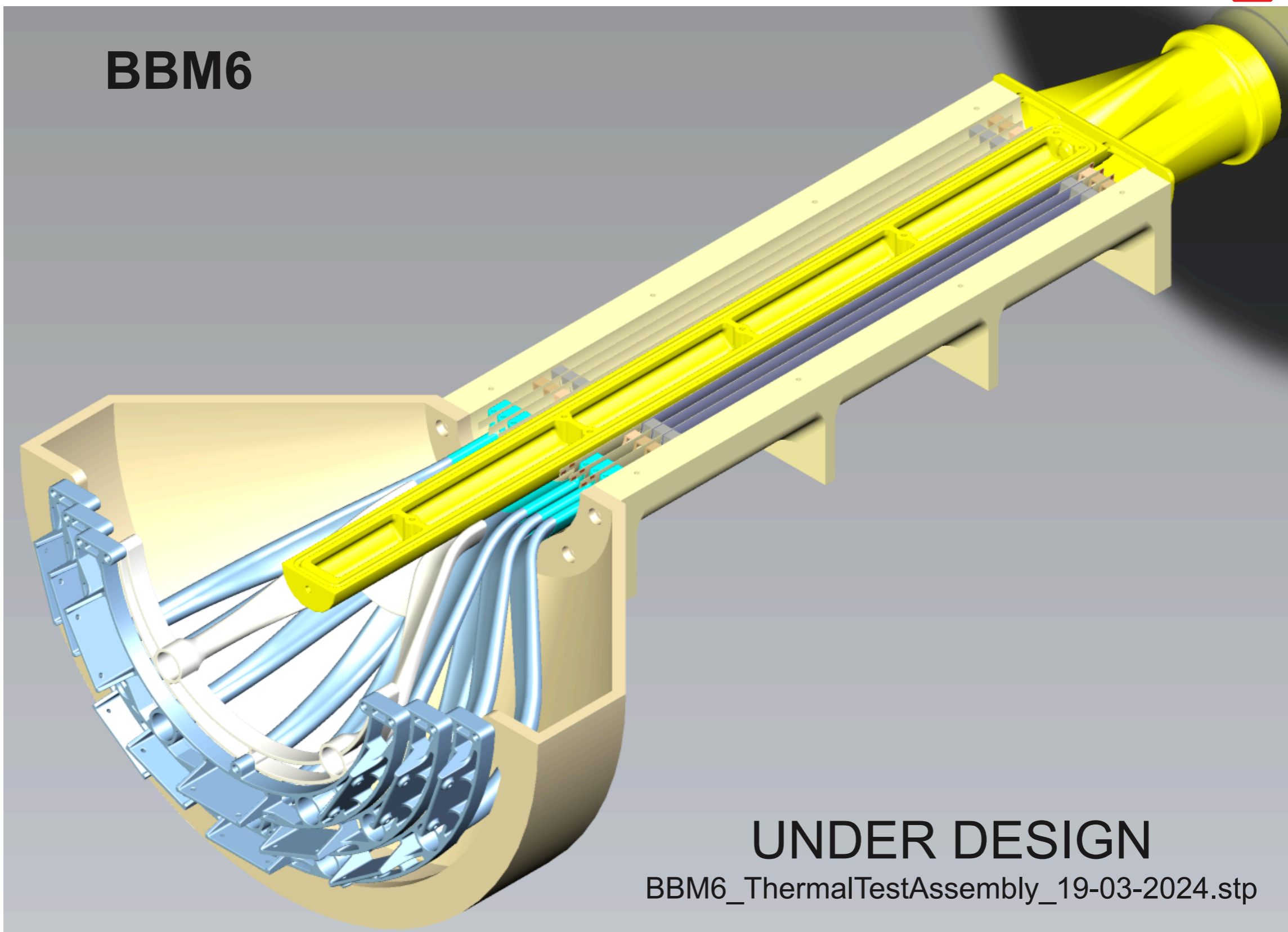


VIBRATIONS



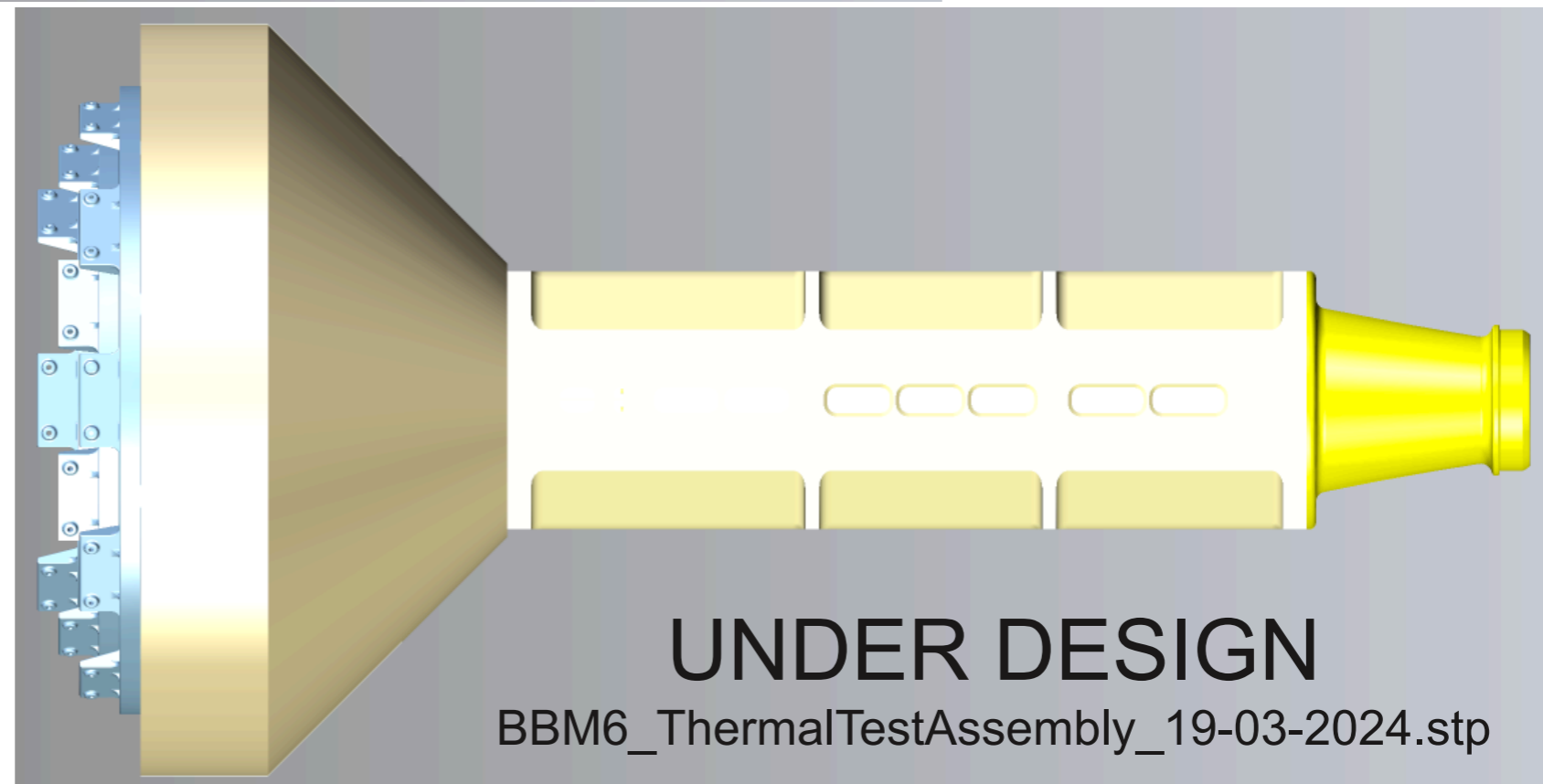
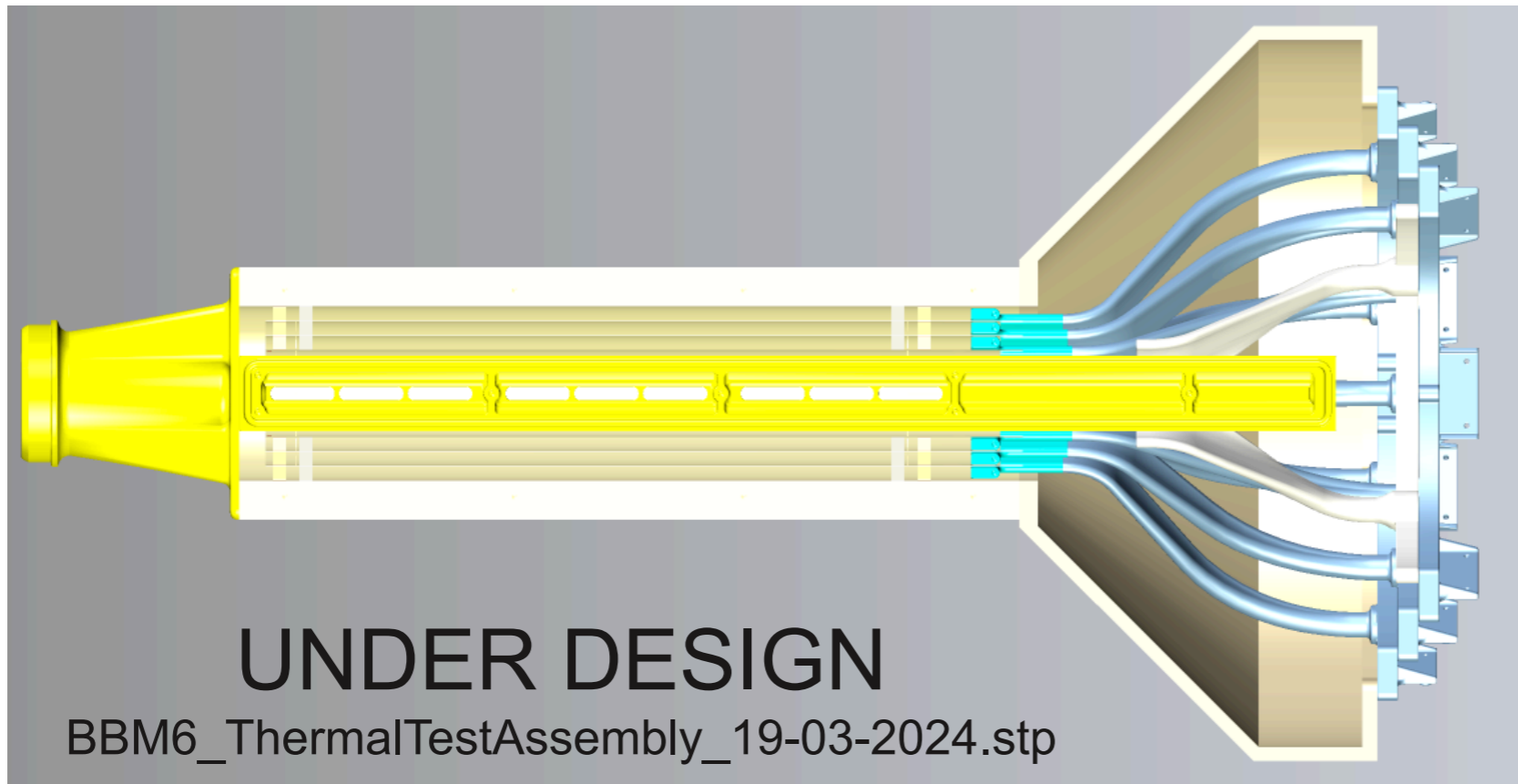


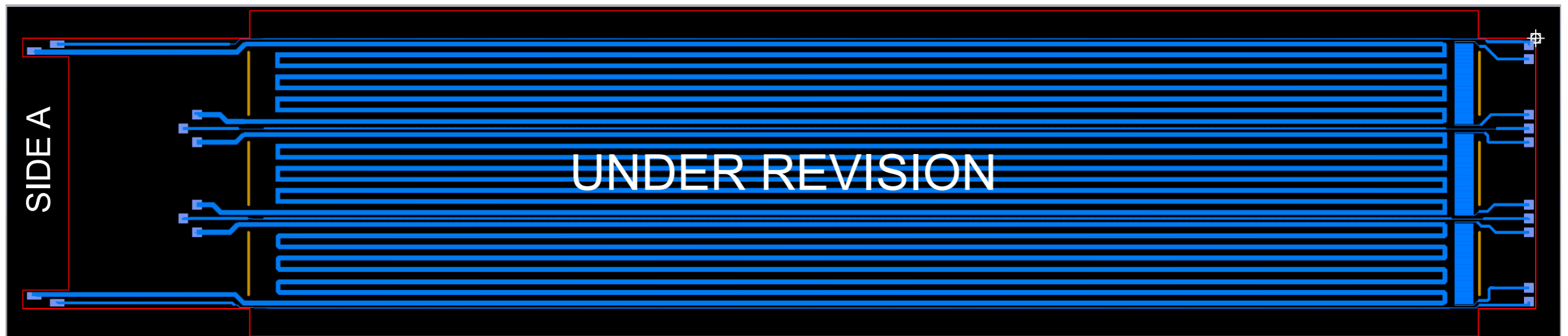
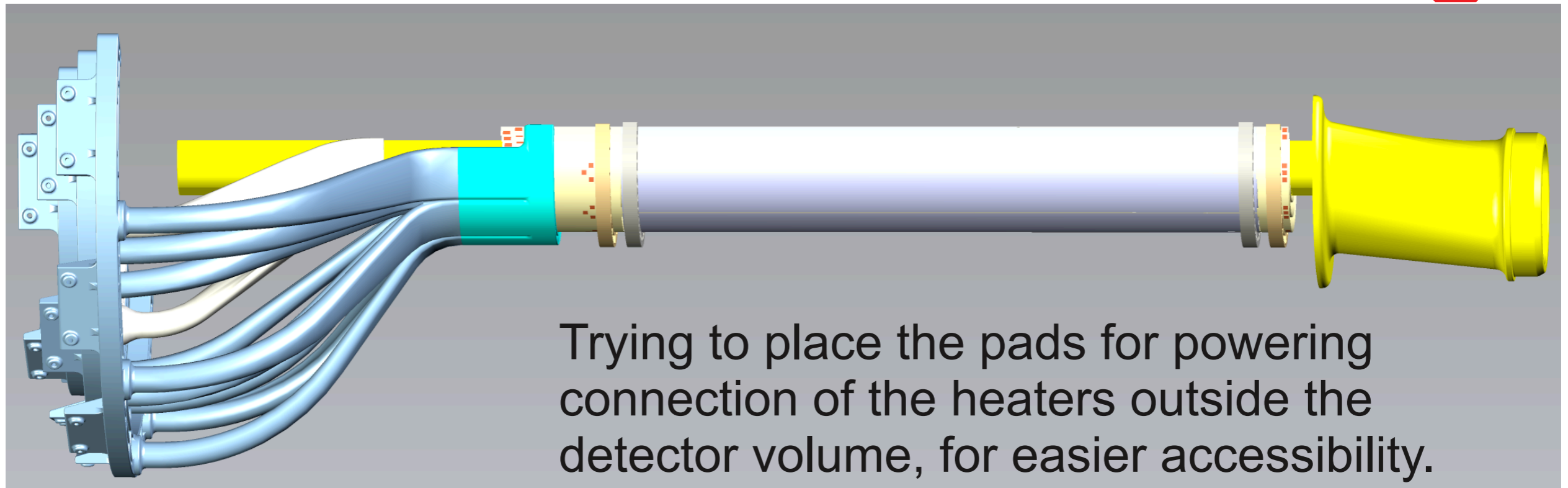
BBM6



UNDER DESIGN

BBM6_ThermalTestAssembly_19-03-2024.stp





Layer 0

Three power dissipation regions

ONGOING ACTIVITIES

➔ Model design

- CYSS - including windows for measurement tools
- Conical support structure - larger to account last version of air-dots
- Beam-pipe - in two versions: 1) including windows for measurements; 2) including PT1000 for thermal effect on pipe study

➔ Heaters

- Three power dissipation regions: pixel matrix, endcap, readout
- Longer design to include simulator for the FPC
- Discussing with Rui/Serge, possibility to have deposition of metal to simulate pads for wire-bonding → Could require R&D; if yes, give up
- Warning! Delivery time to be discussed again with Rui

➔ Further points

- Tools and mandrels → Waiting for “final” design from CERN
- Looking for better PT1000 sensors (wrt BBM3): 4 wires, class > A → Bari
- Carbon foam half-rings/longerons → CERN
- 3d printing → Bari/CERN



ALICE

BACKUP