Cryomodule Shielding Update

Niklas Templeton 08/02/16

Cold Magnetic Shields

• Magnetic Test Reports:

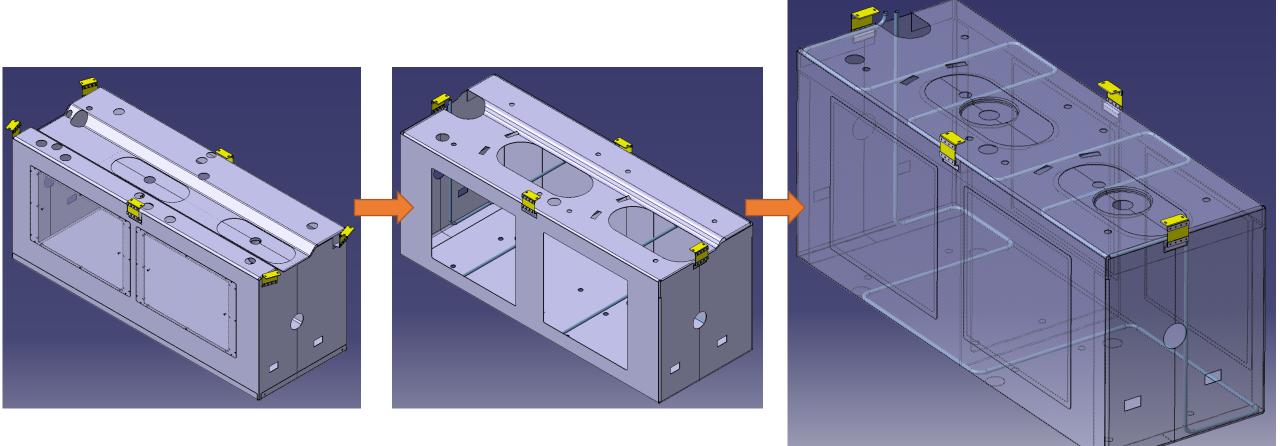
✓ Received and approved (see Carlo's slides)

- Dimensional Reports:
 - Received and approved (provisionally)
 - Awaiting further feedback
 - Querying a few dims
- Titanium mounting bracket fabrication:
 - Ongoing...





Thermal Shield Design



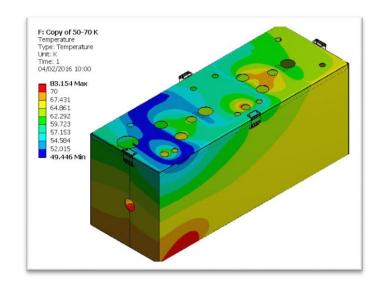
Thermal Shield Design

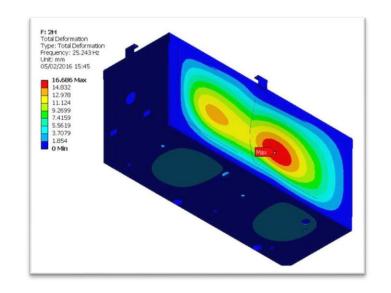
✓ Cryomodule integration with MLI

✓ Cooling Analysis and optimisation

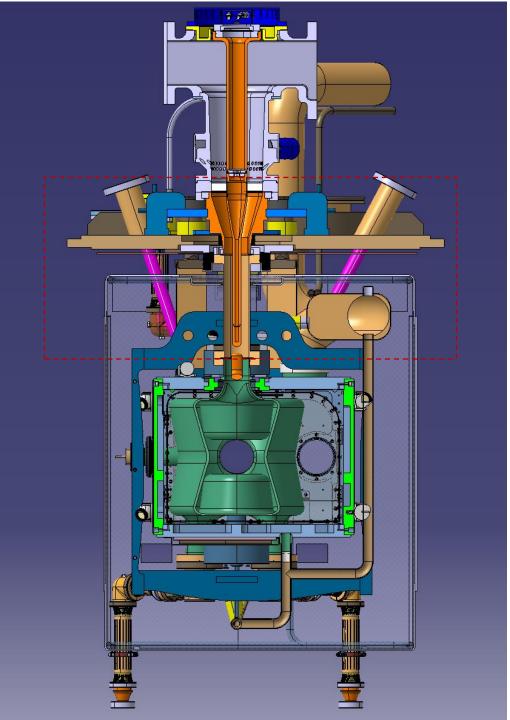
✓ Modal Analysis and Stiffness optimisation

- Connections welds & intercepts
- Design for thermal stress
- Design for manufacture and assembly

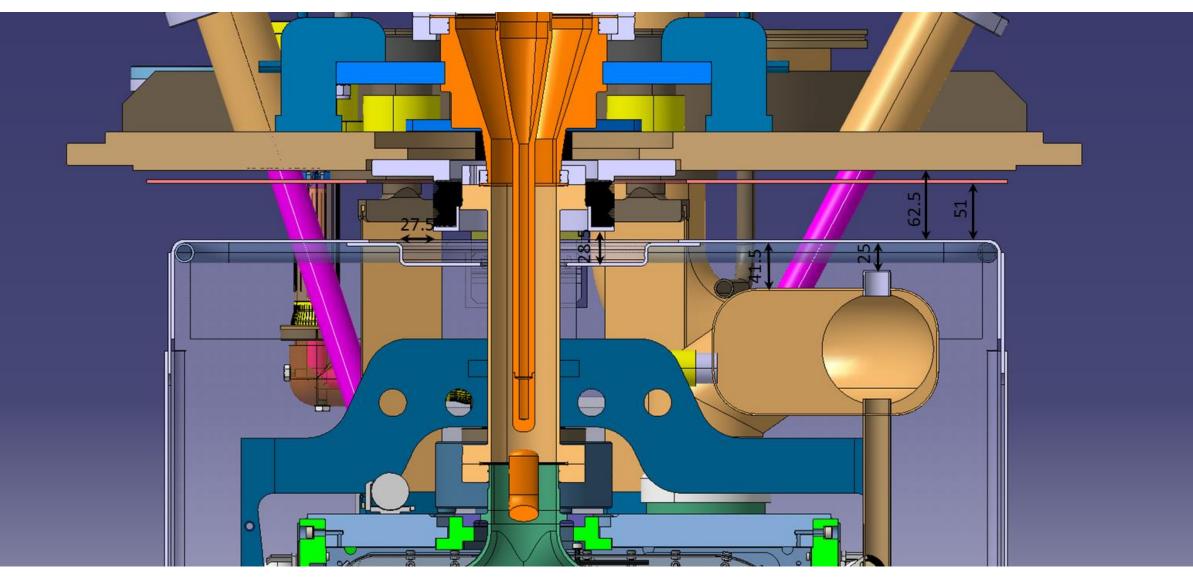




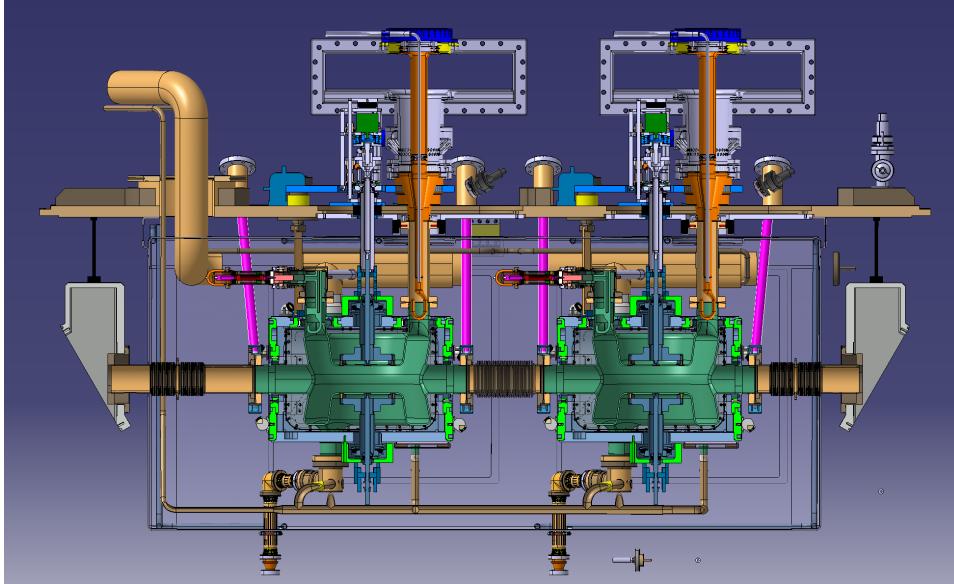
Cryomodule Integration



Cryomodule Integration



Cryomodule Integration



Warm Magnetic Shield Top Plate

