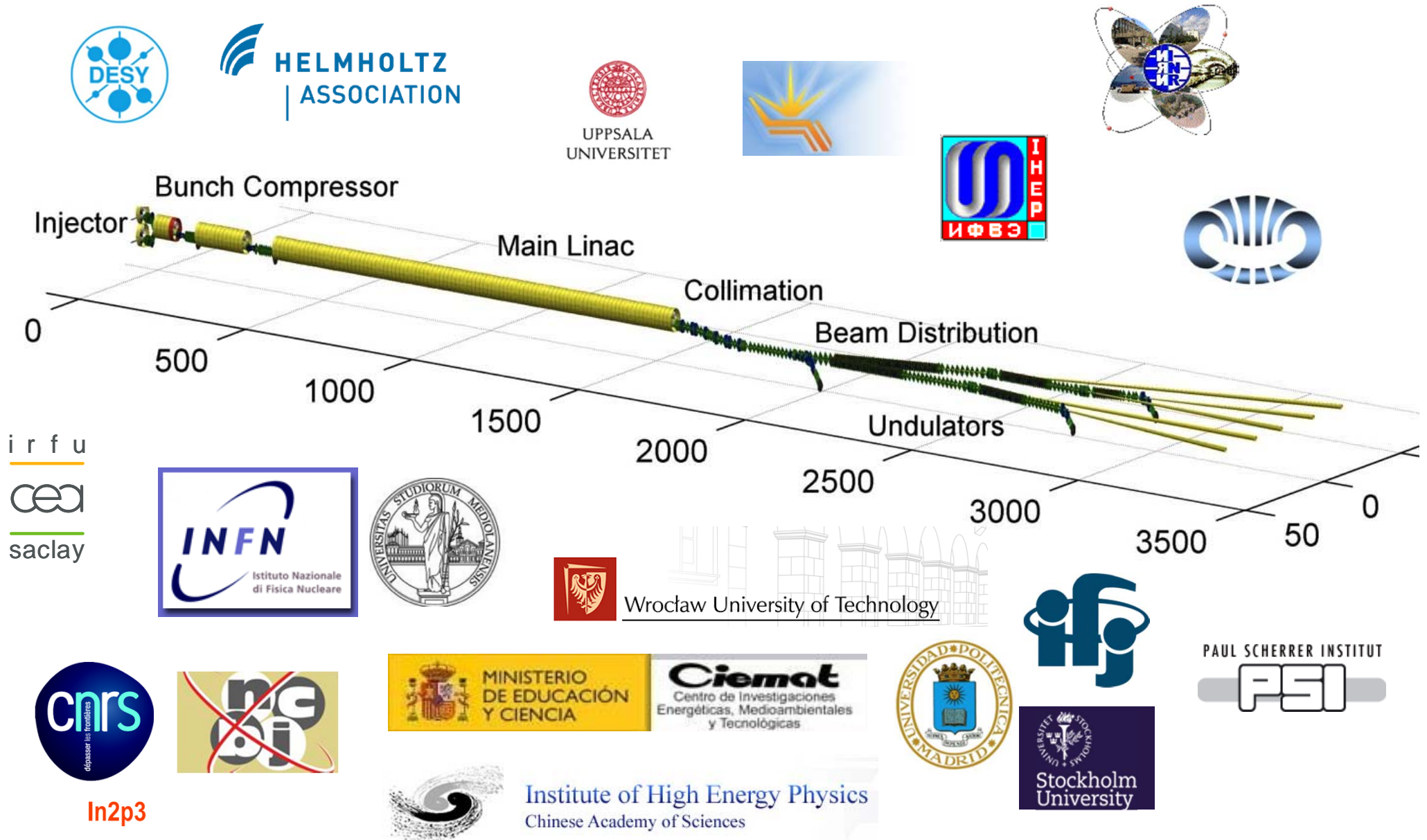


Walid KAABI- LAL/CNRS

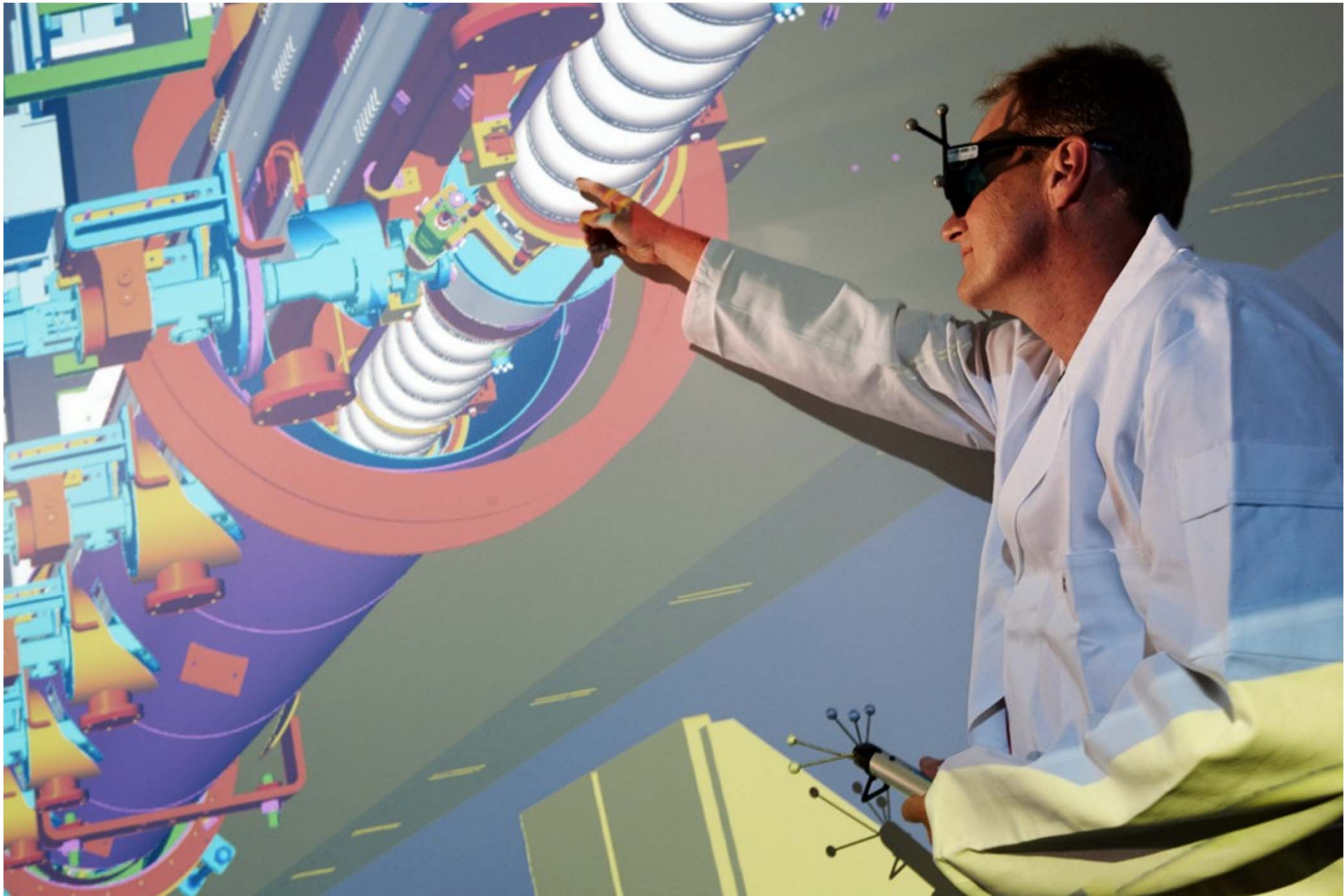
XFEL Coupler infrastructure at LAL

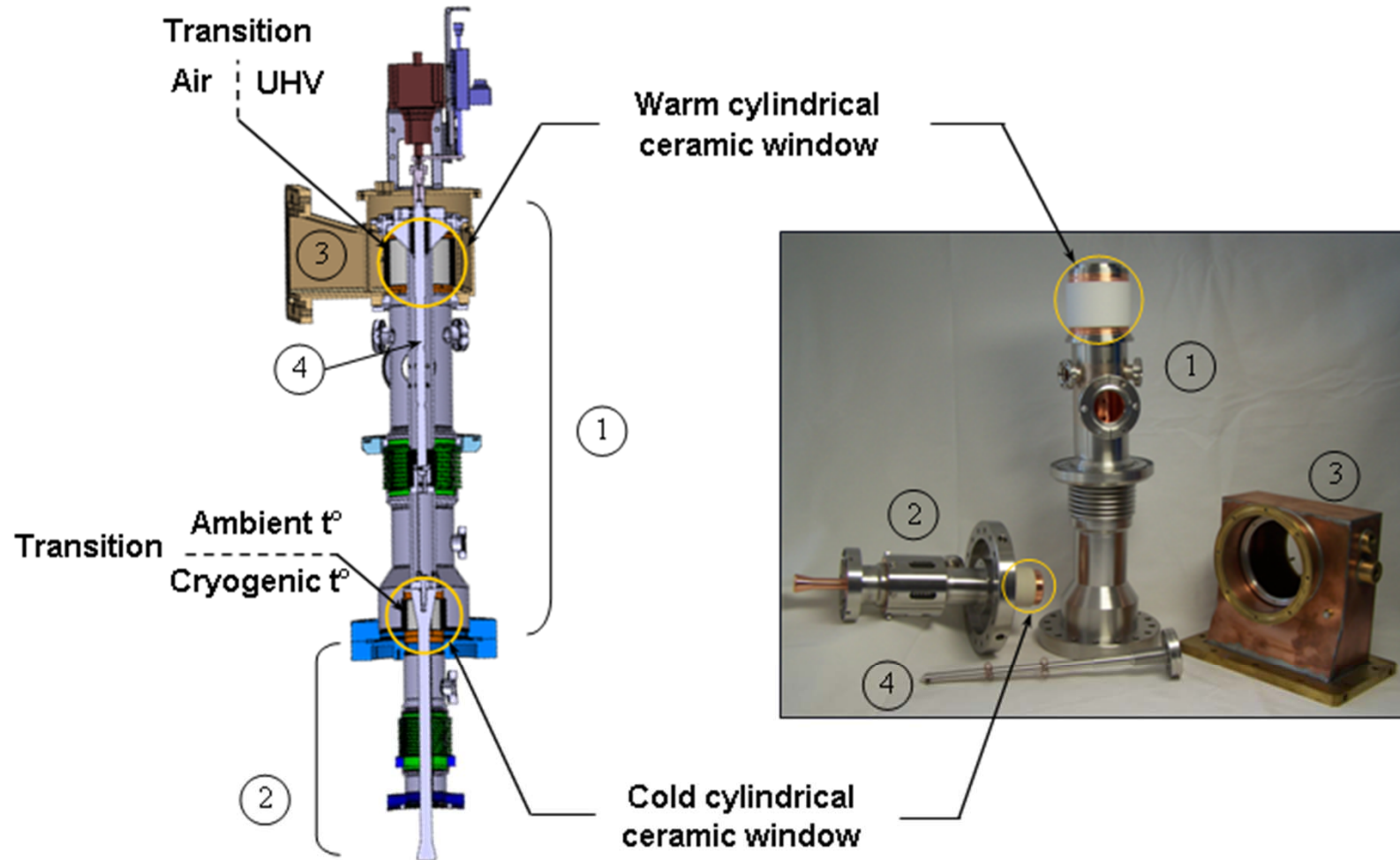


XFEL Coupler infrastructure at LAL







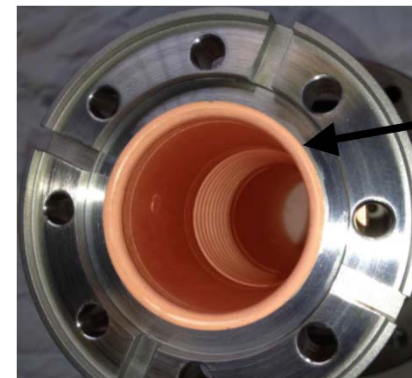
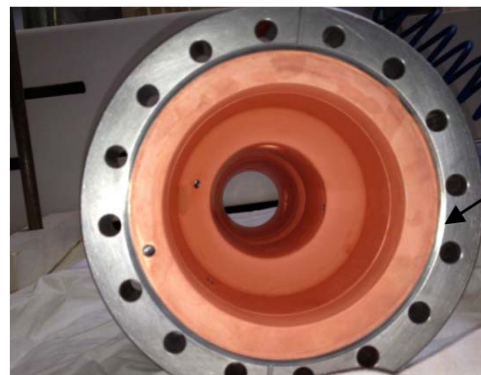


At Thales site:

- 1st step: parts assemblies by brazing:



- 2nd step: copper plating of the assembled parts:



Weekly inspection meetings organized at Thales-Thonon to control parts copper plating quality

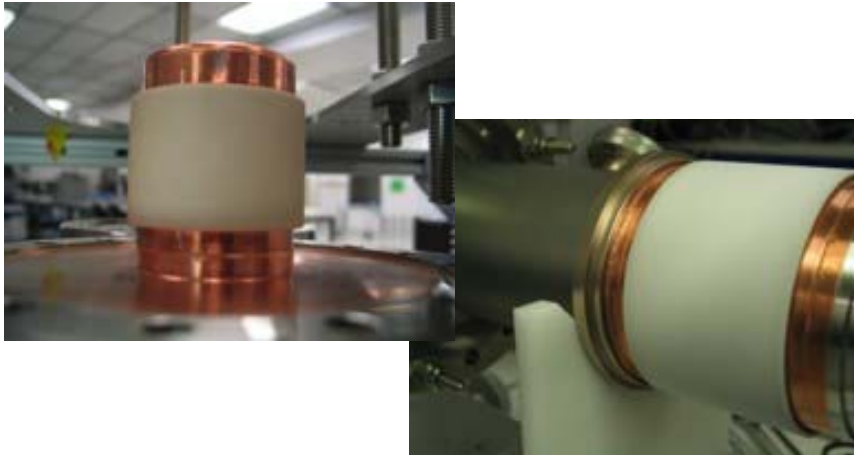


Warm part

Cold part

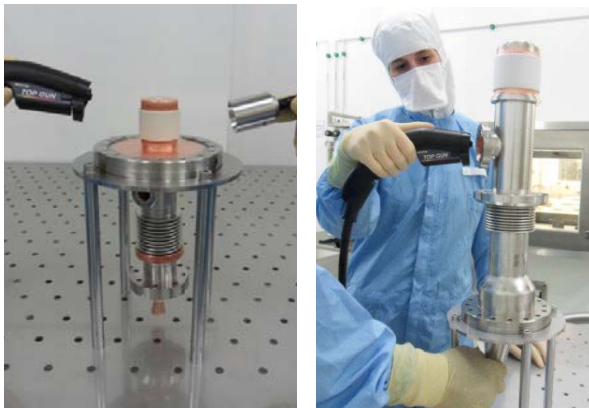


At RI site:

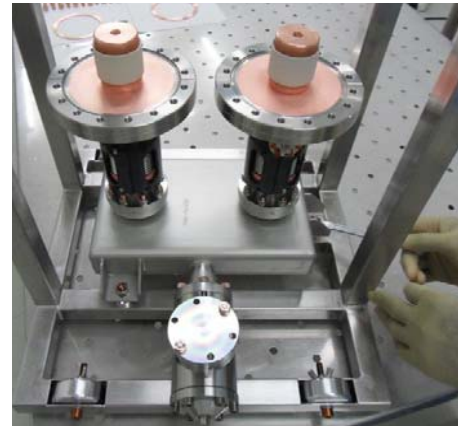


- TiN coating on ceramics
- ceramics EB welding of cold & warm parts

US degreasing of parts



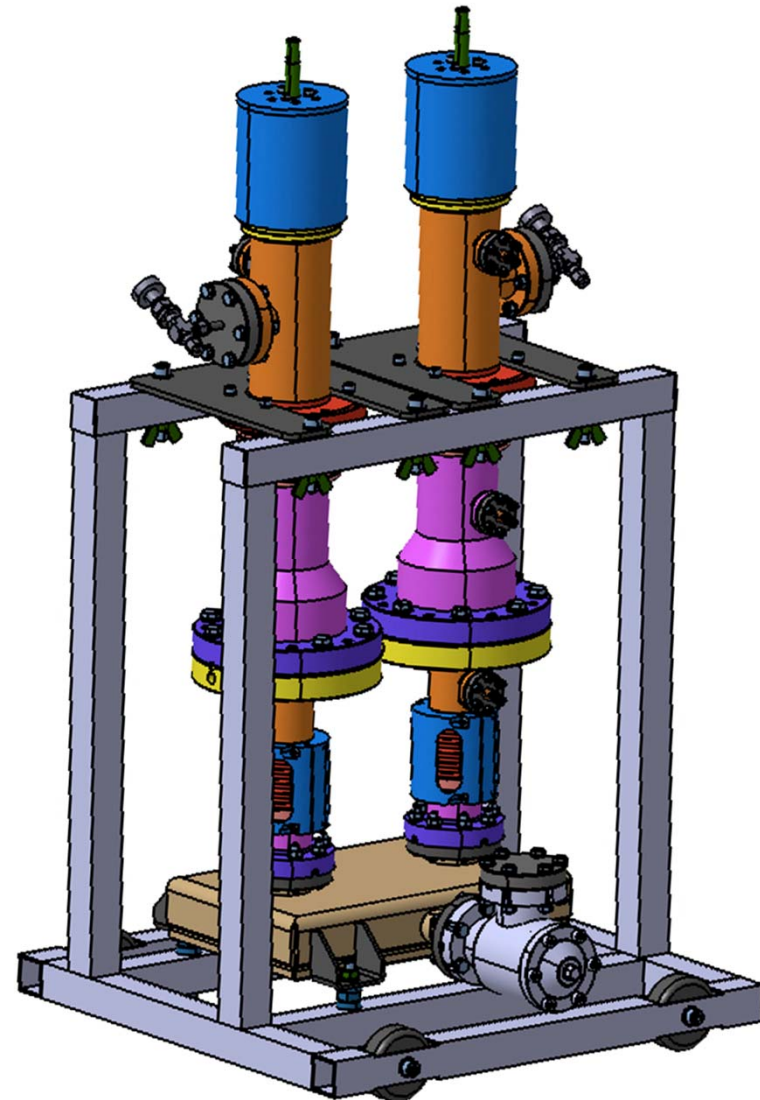
particle counting



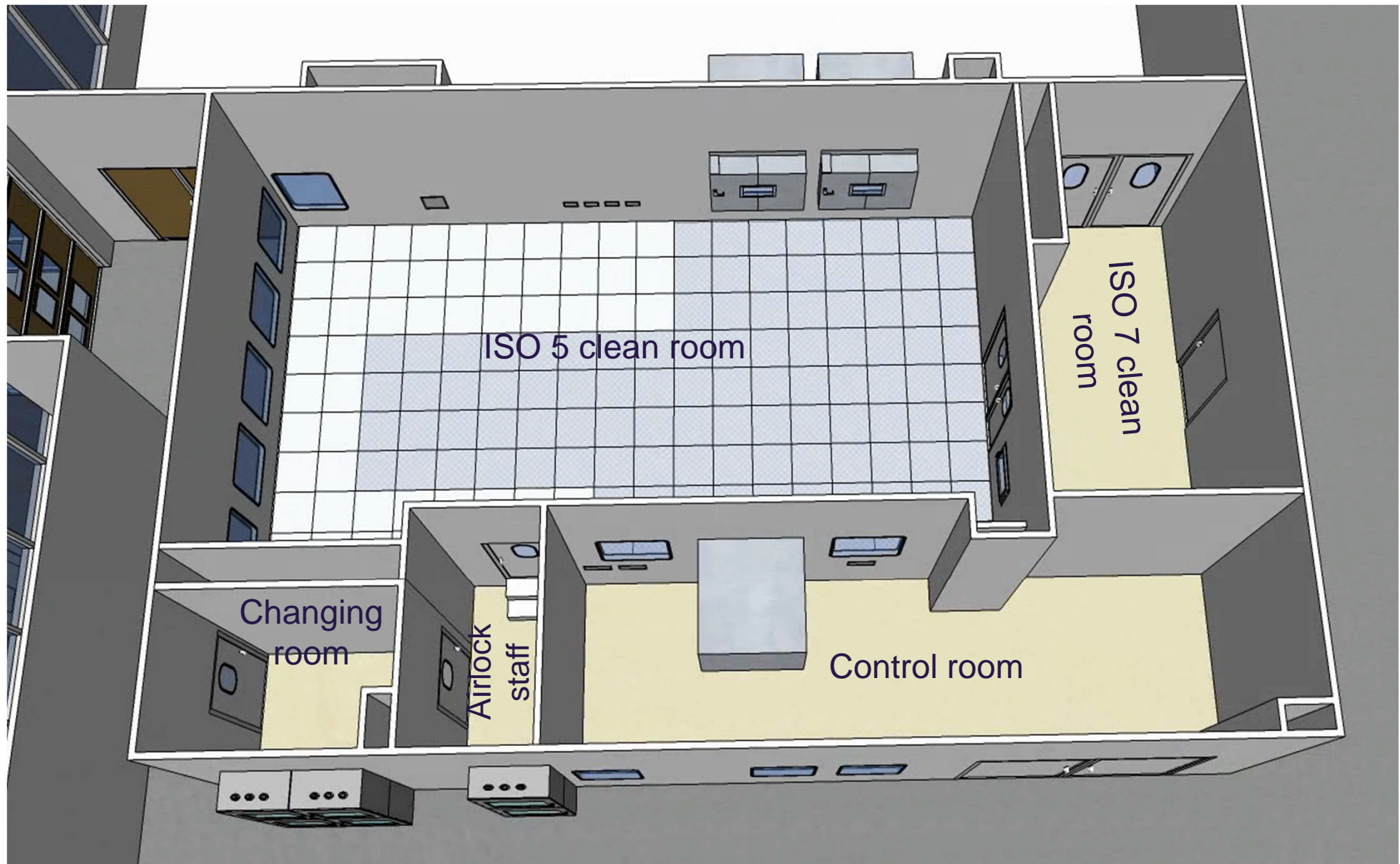
coupler pair clean room assembly,
leak and actuator displacement test



Shipment to LAL





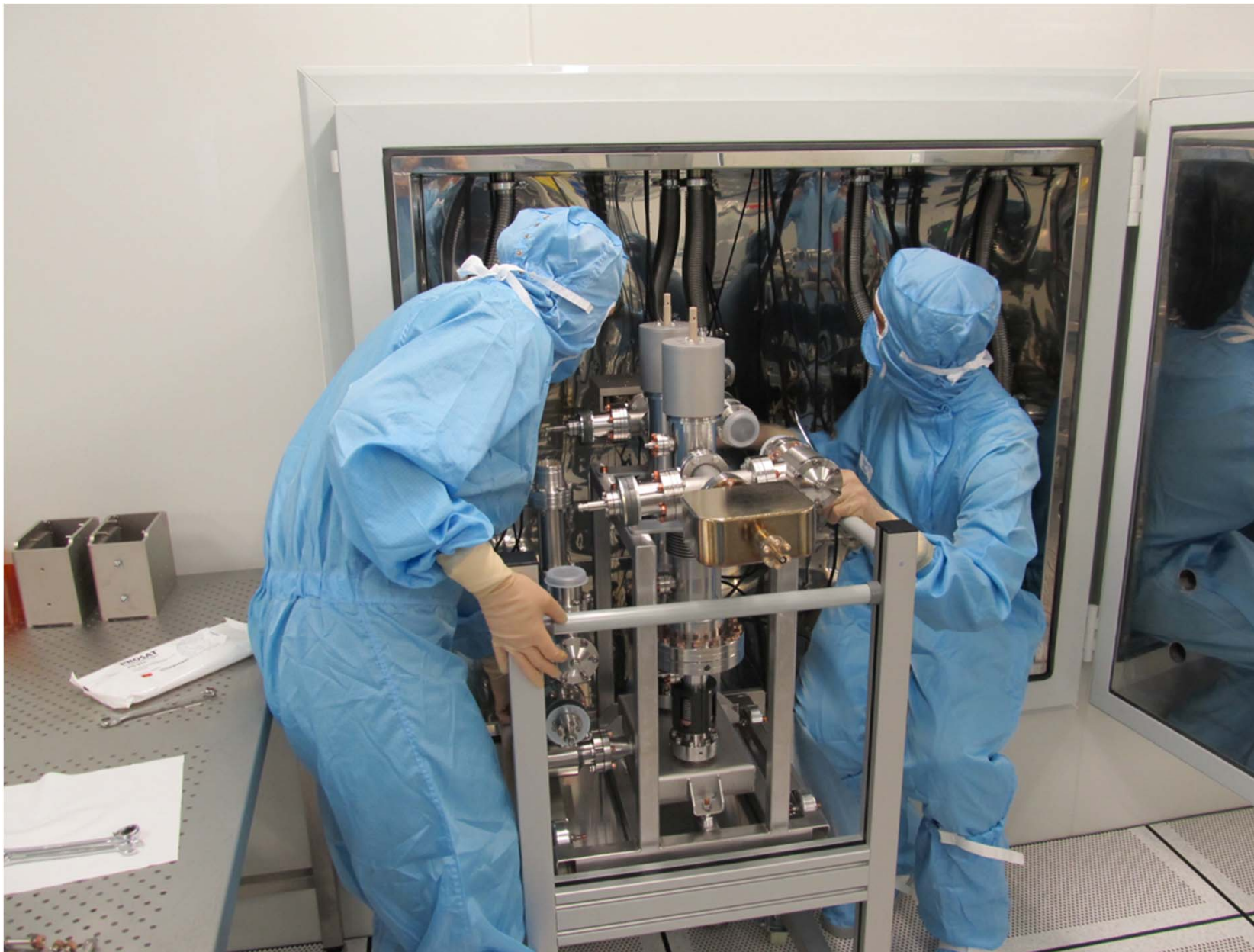




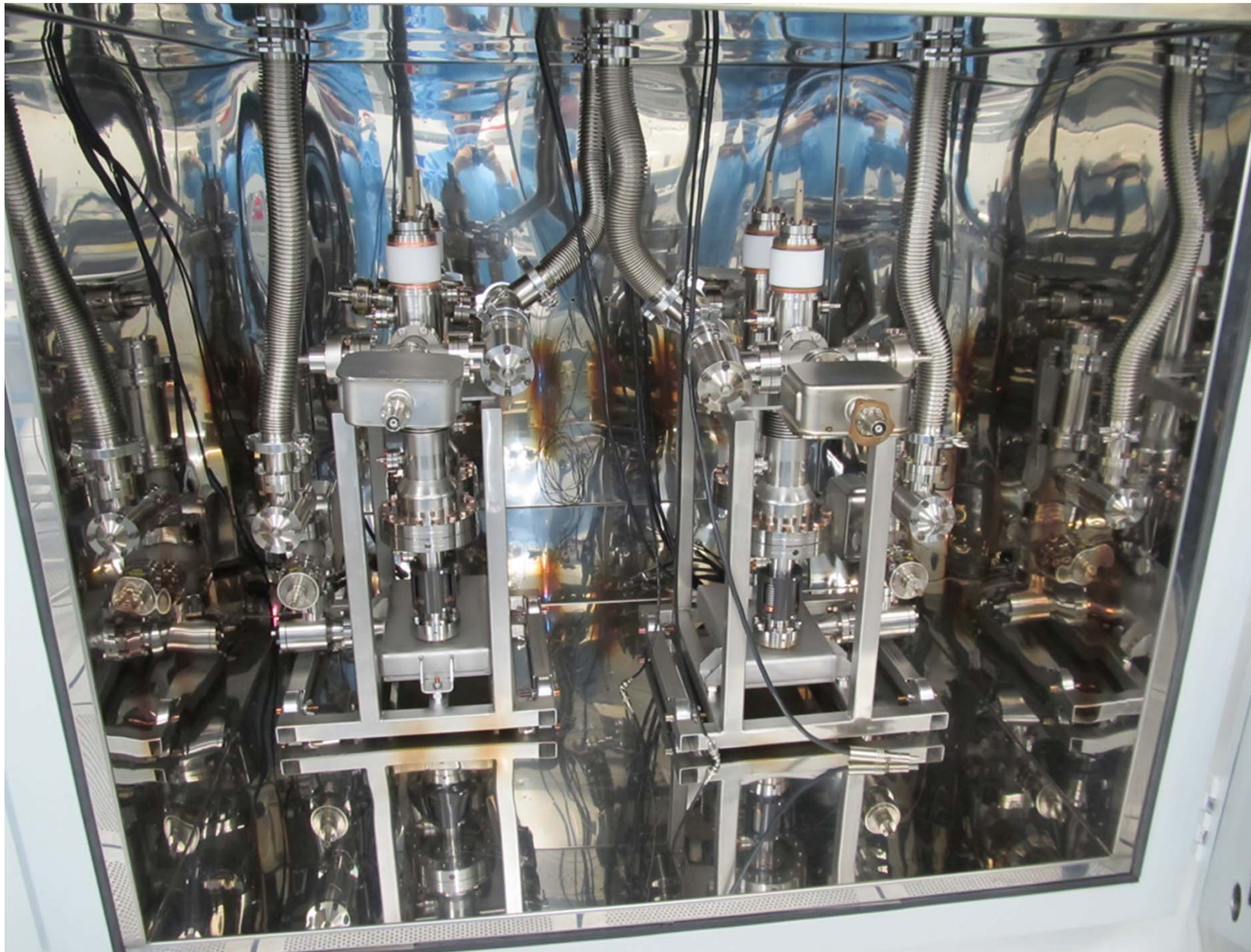


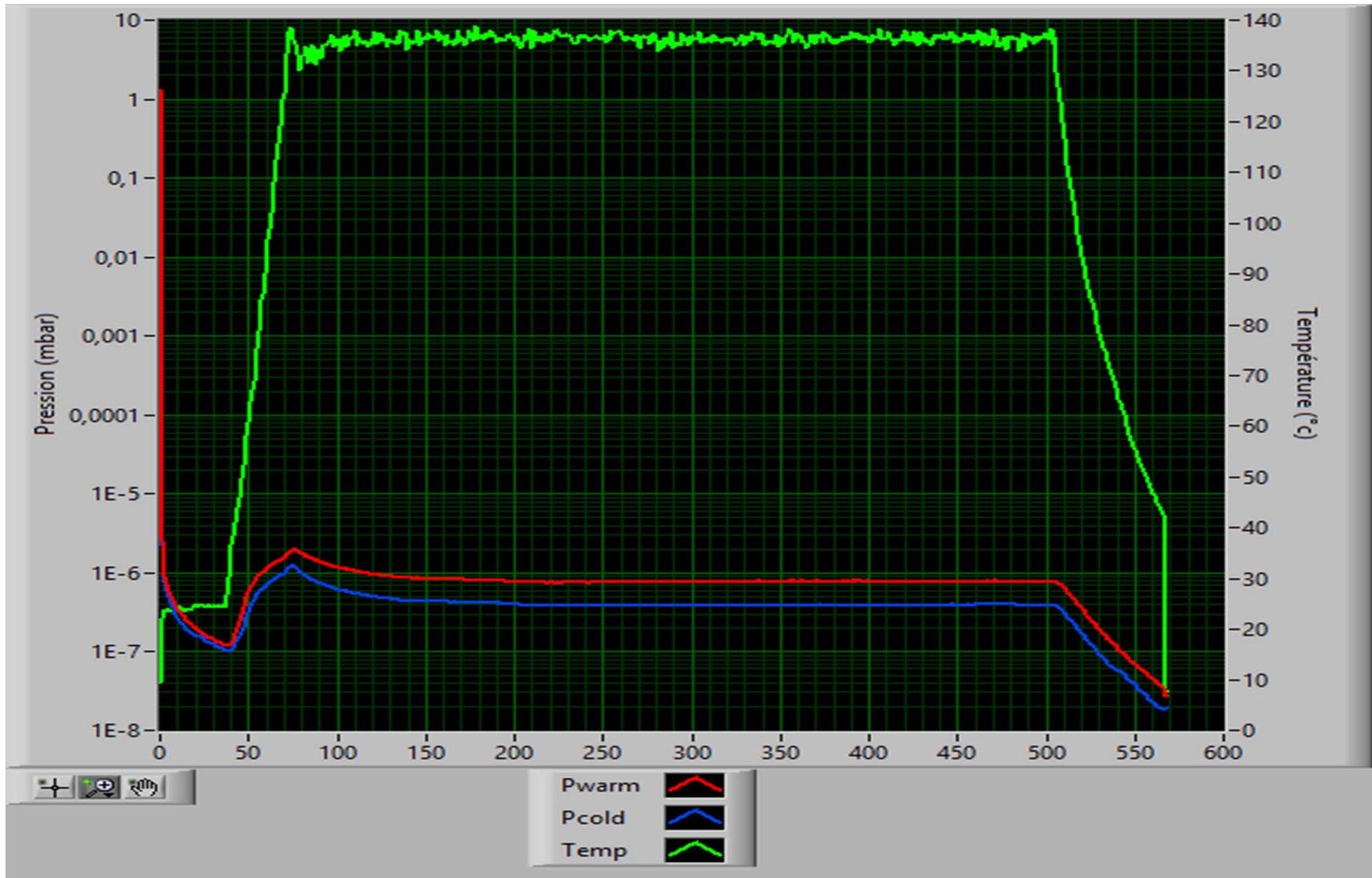
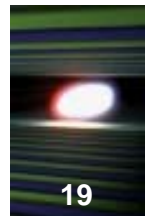




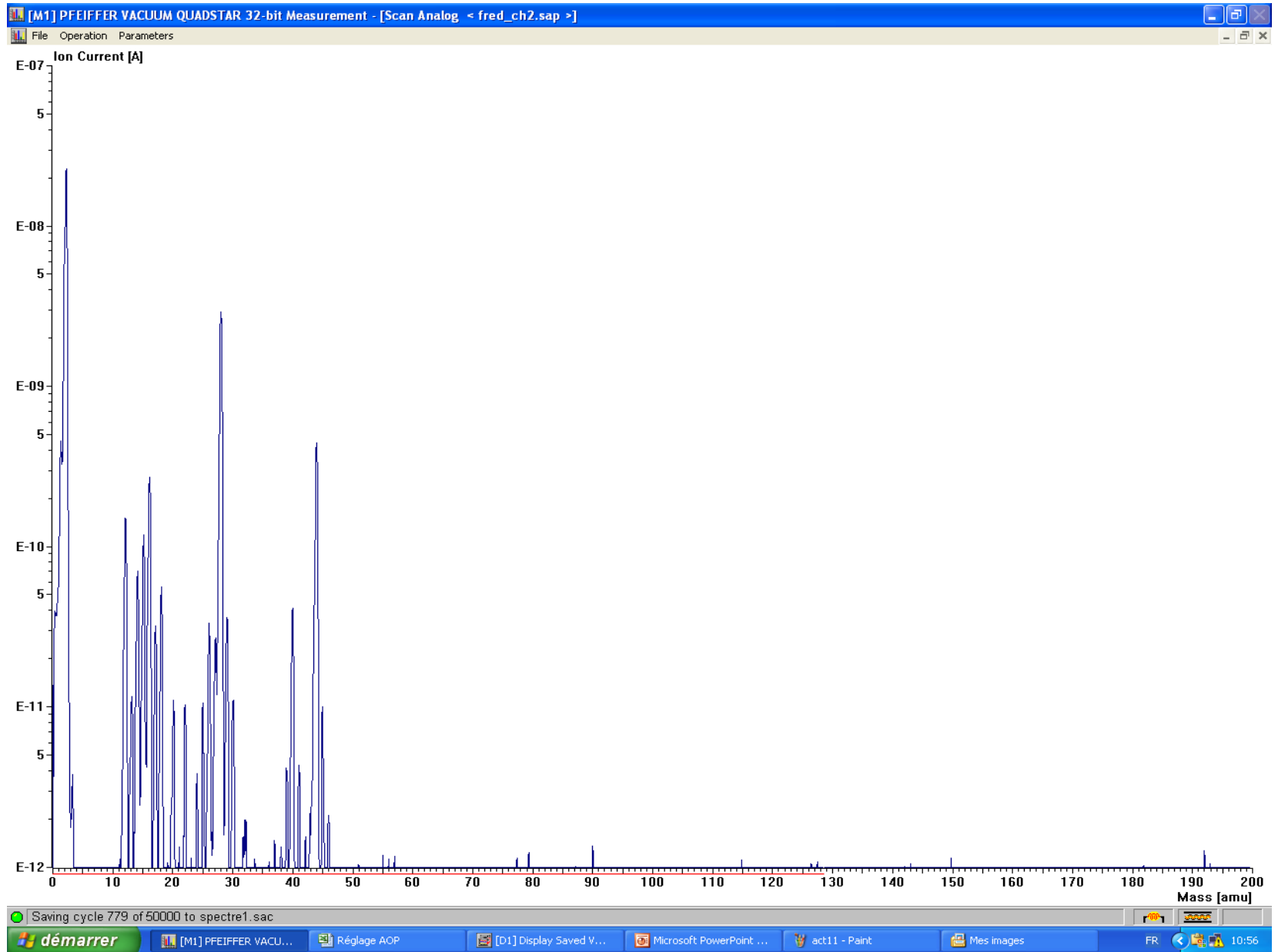


XFEL Coupler infrastructure at LAL

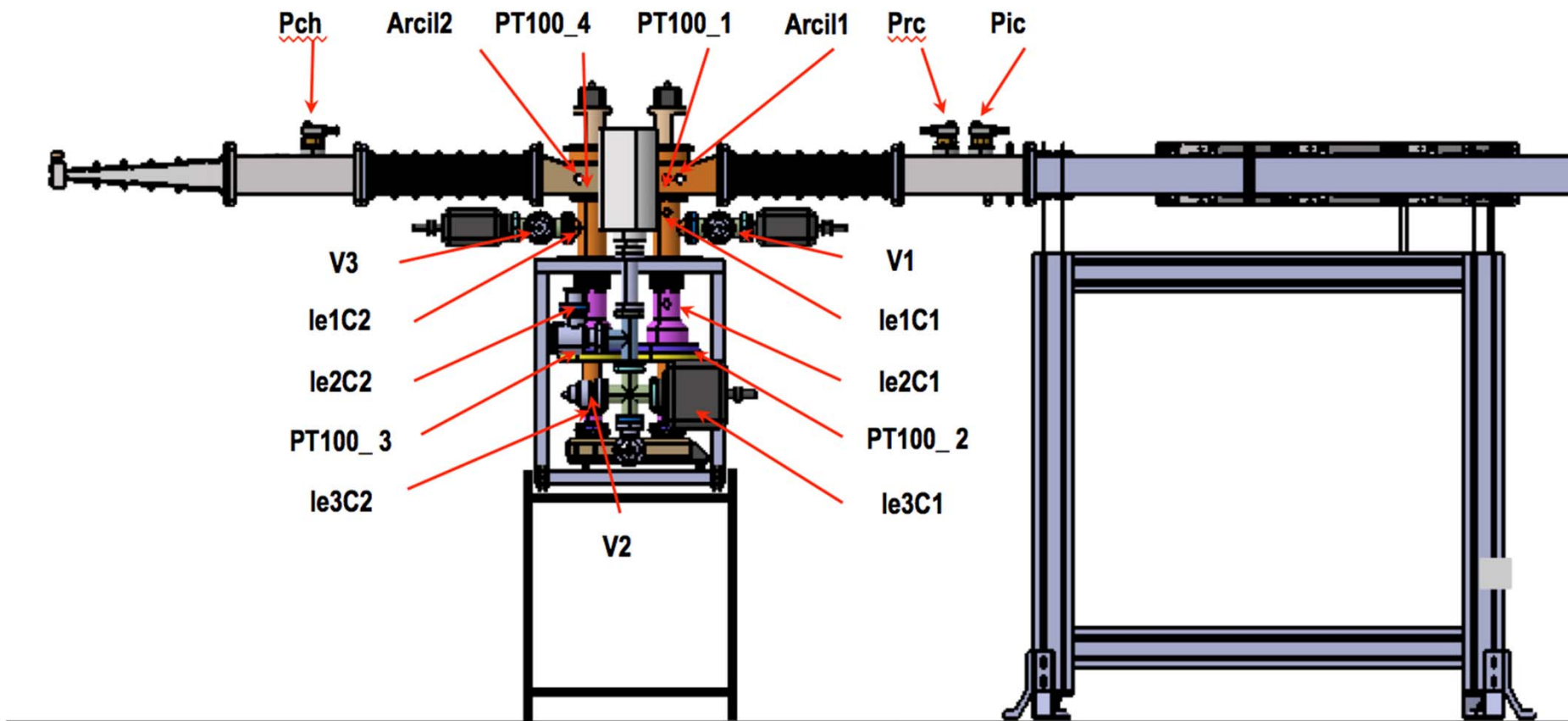




XFEL Coupler infrastructure at LAL

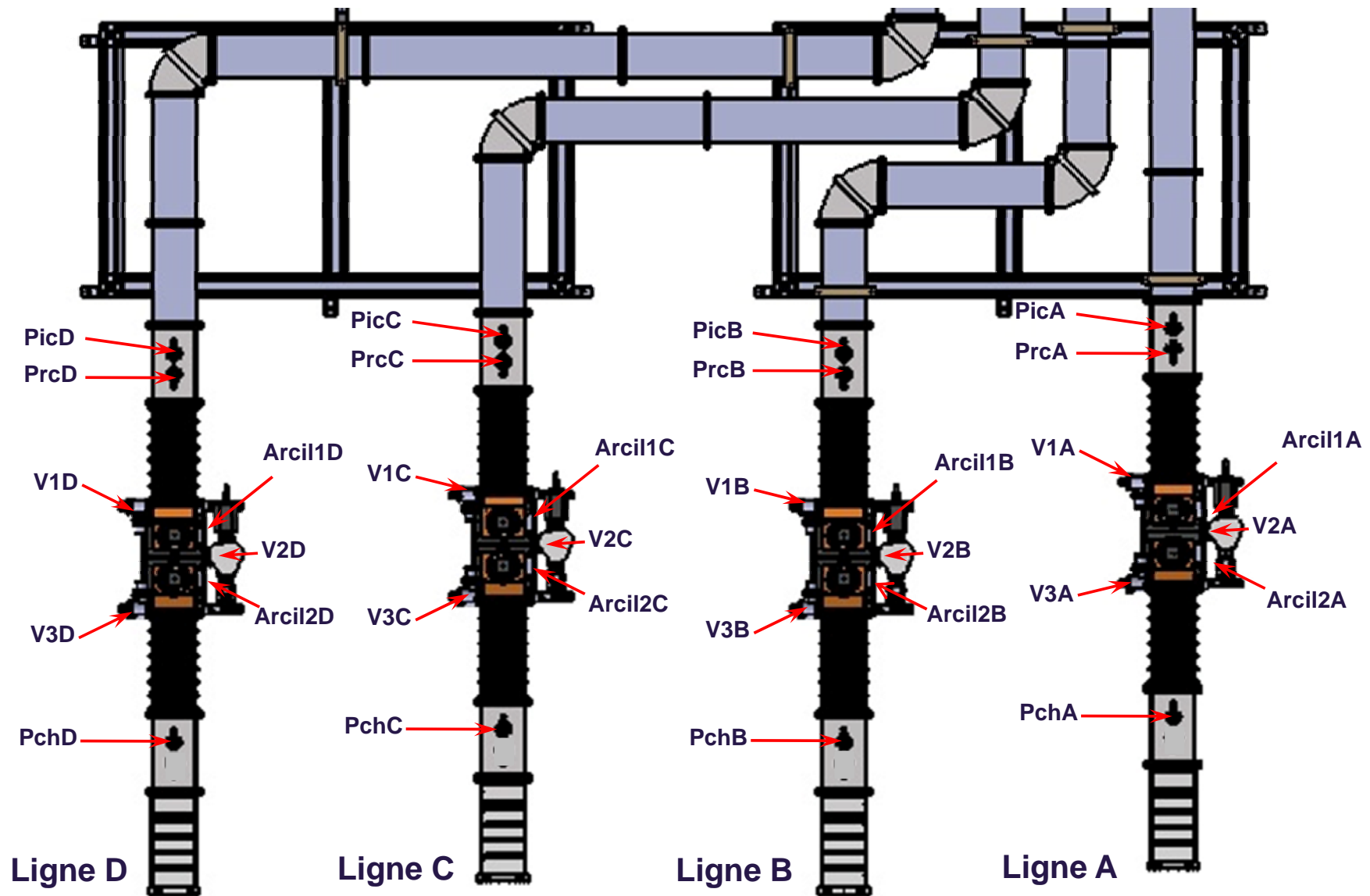




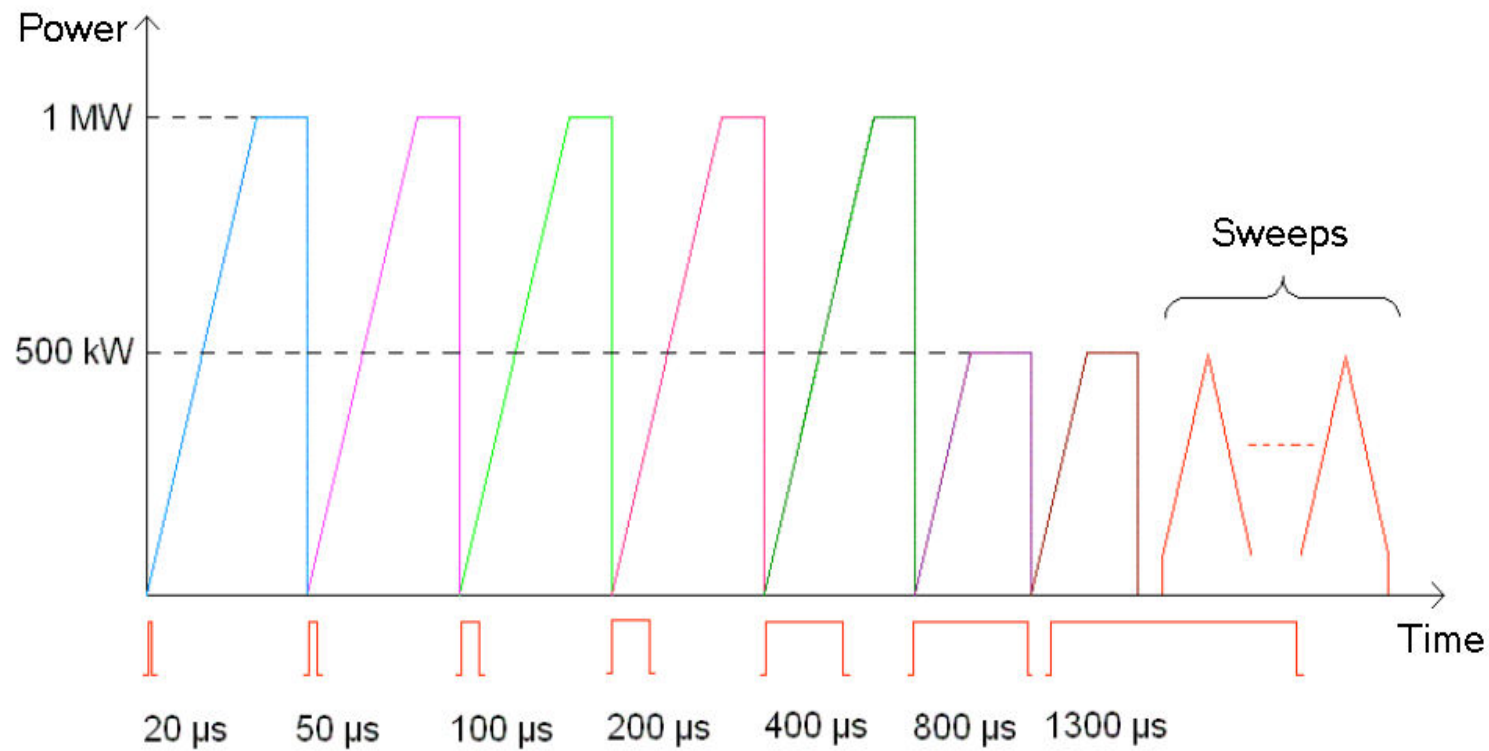


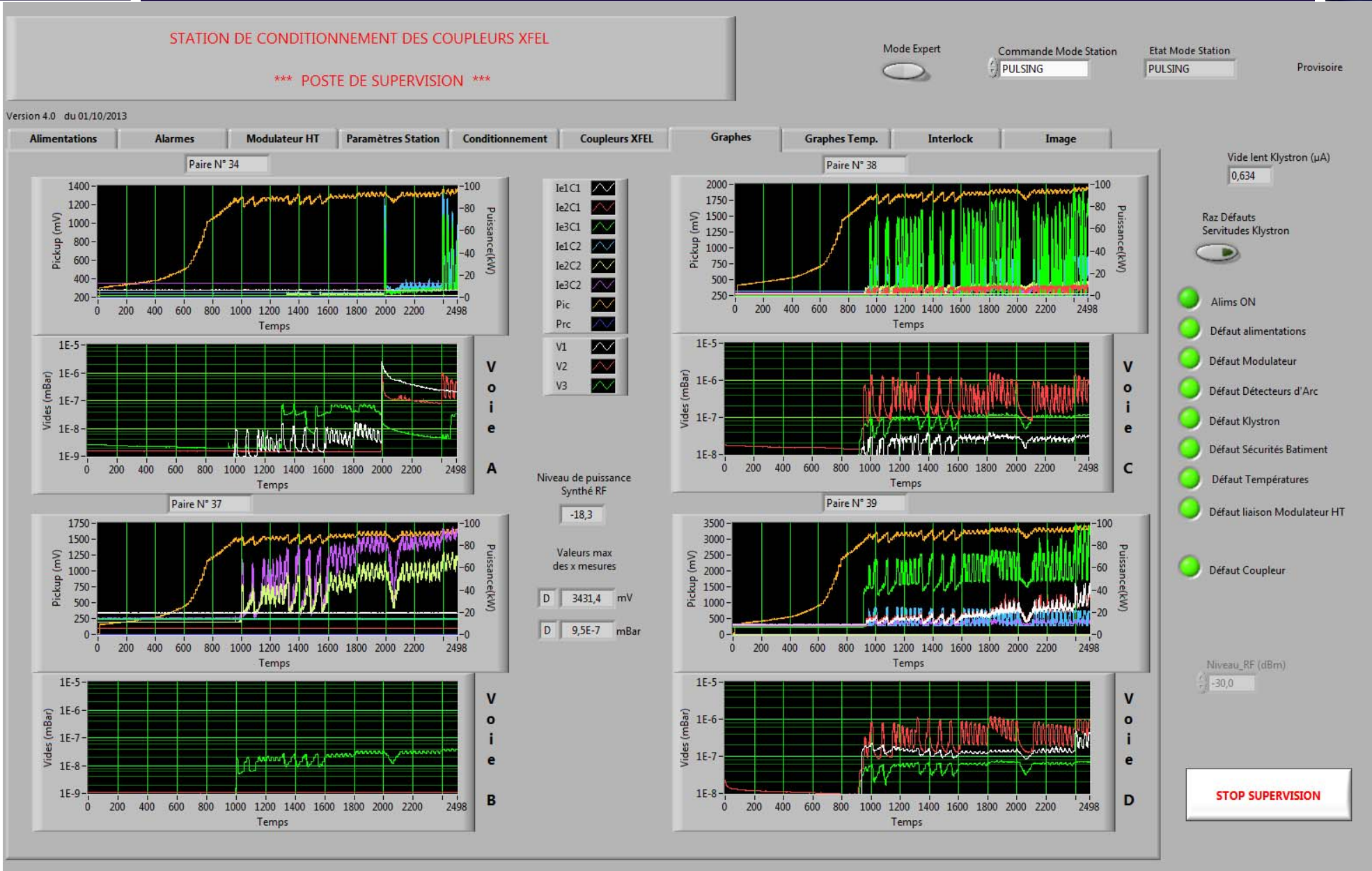
XFEL Coupler infrastructure at LAL





















Thanks for your attention.