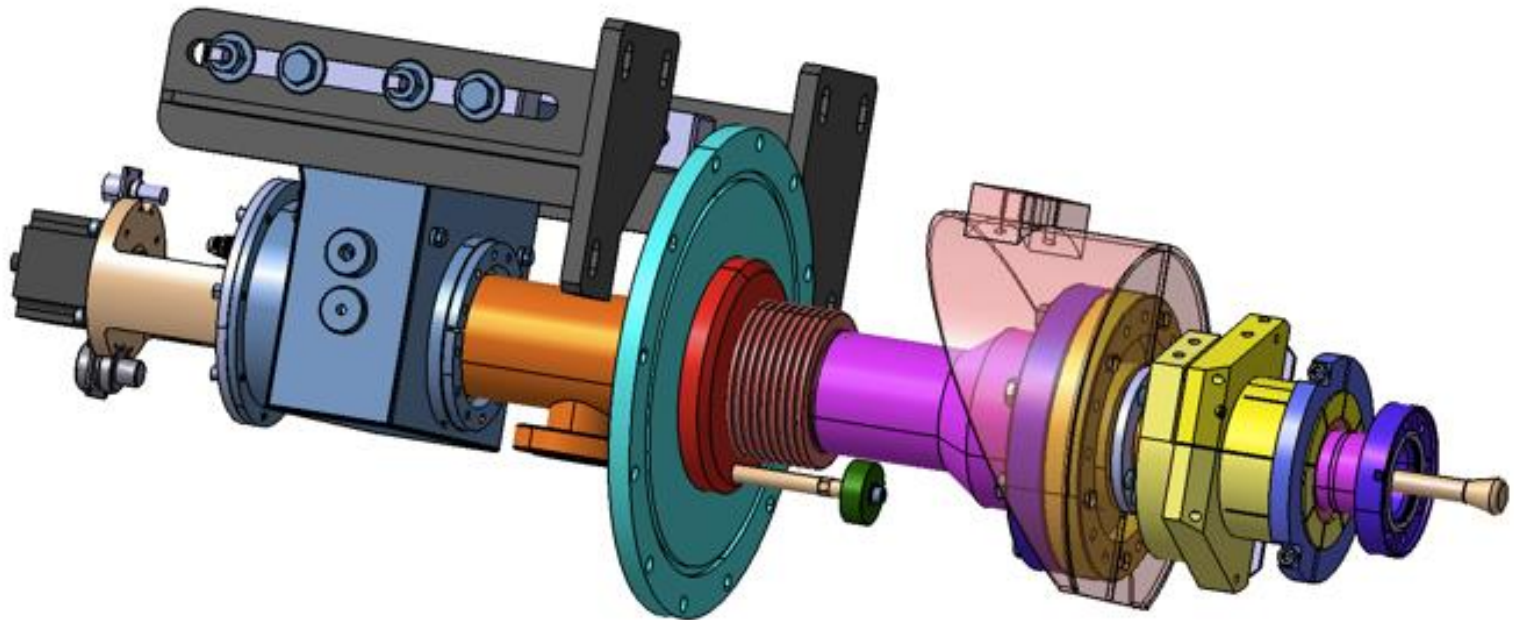


Industrialisation de XFEL à ILC: production des coupleurs de puissance



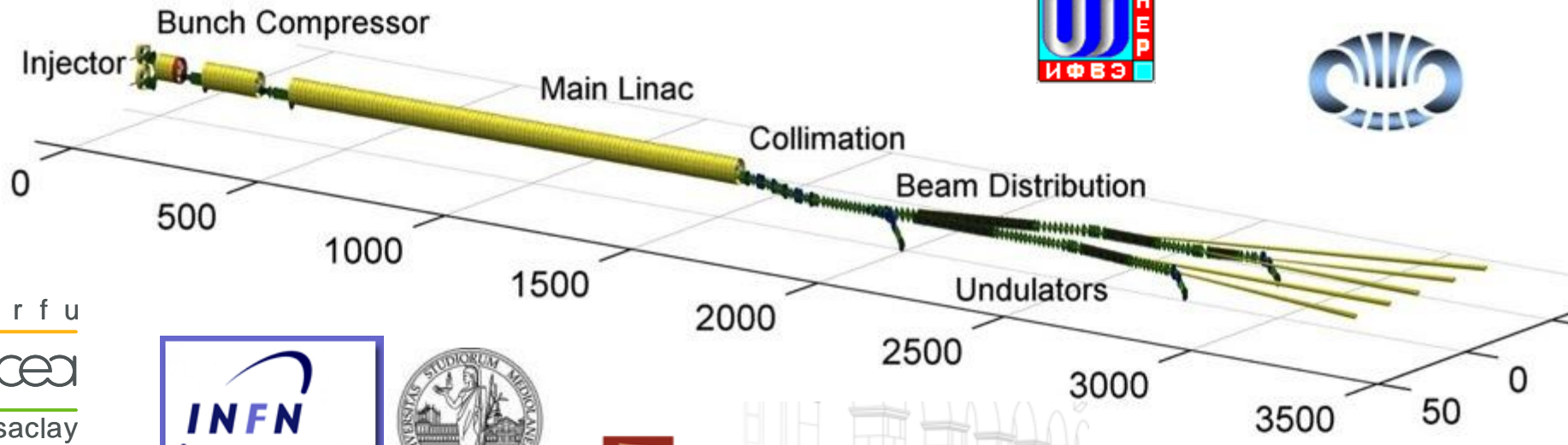
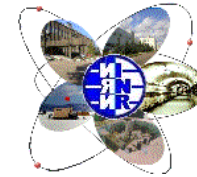
W. Kaabi- LAL/Orsay

Journées Collisionneur Linéaire- Saclay, November 27-29th 2013

XFEL Coupler production



XFEL Coupler production



In2p3

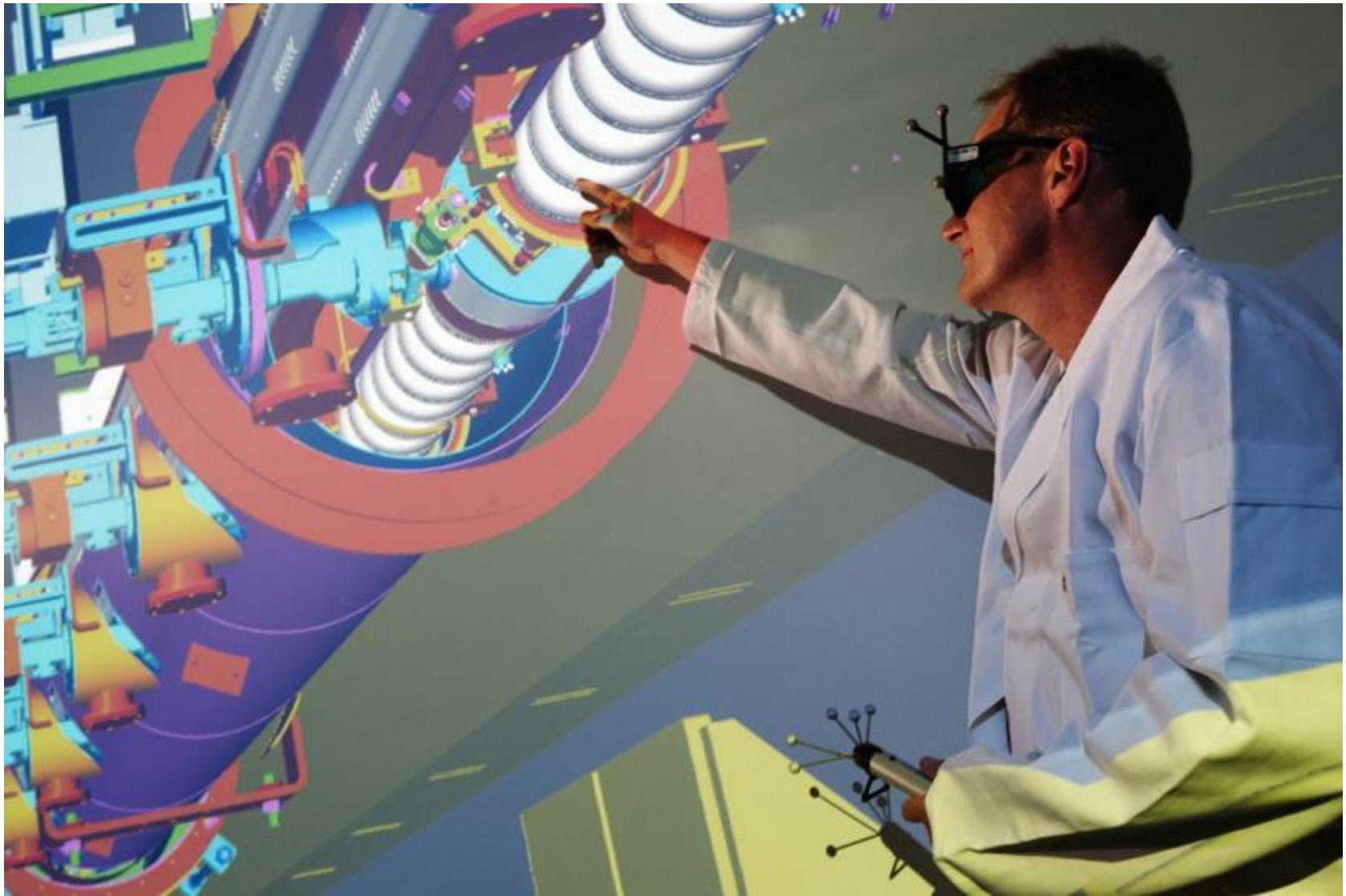


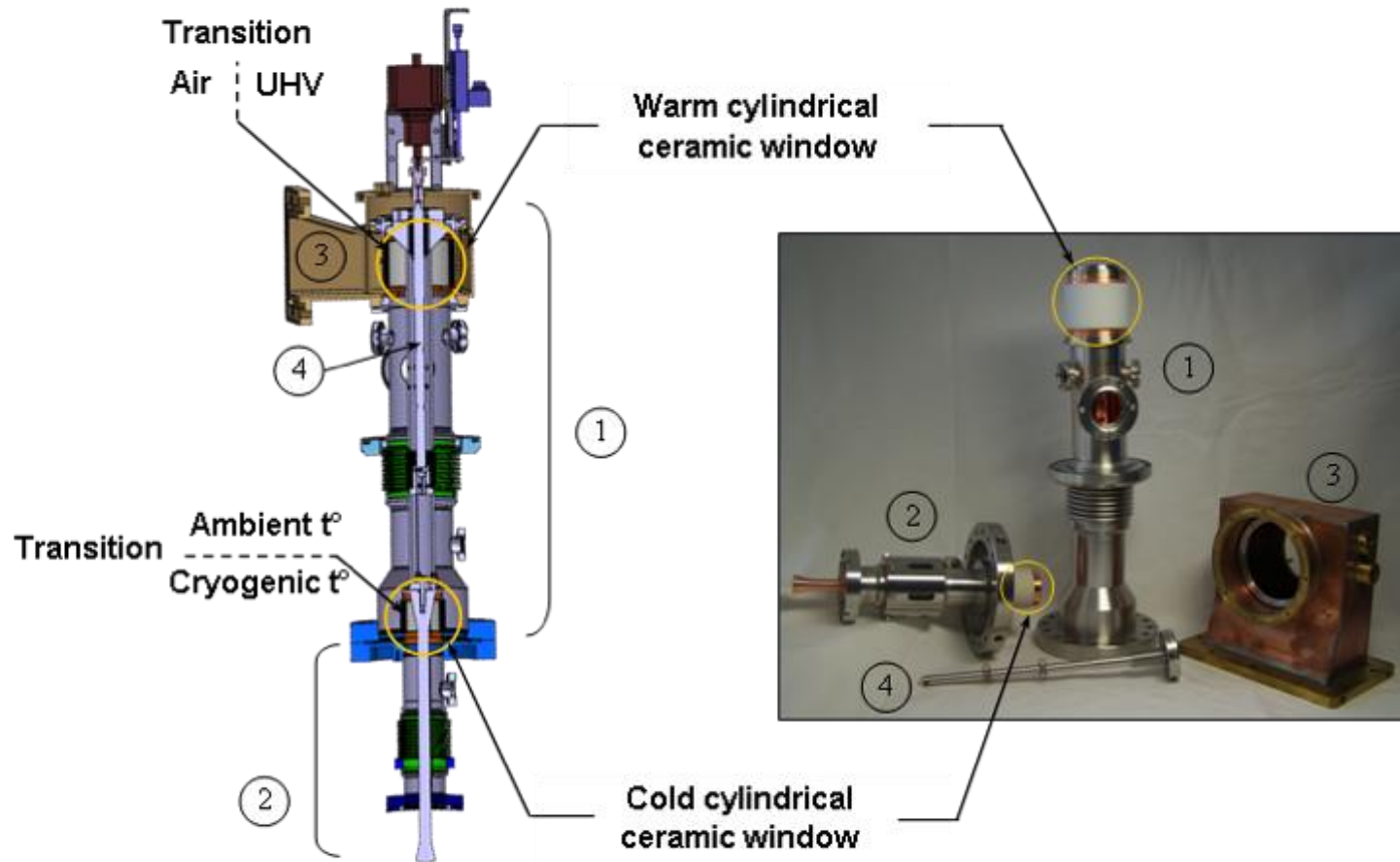
Institute of High Energy Physics
Chinese Academy of Sciences

XFEL Coupler production



XFEL Coupler production





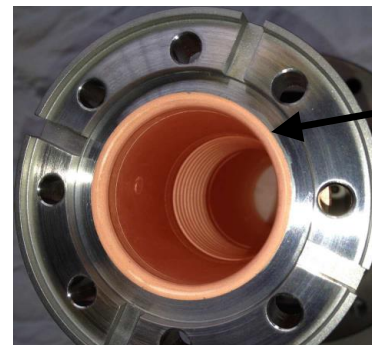
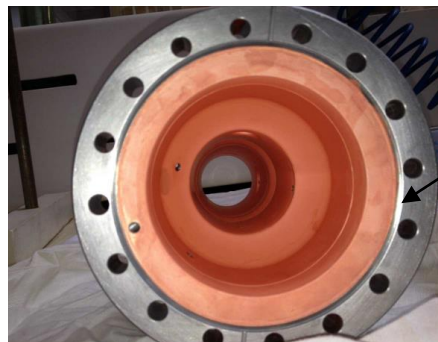


At Thales site:

- 1st step: parts assemblies by brazing:

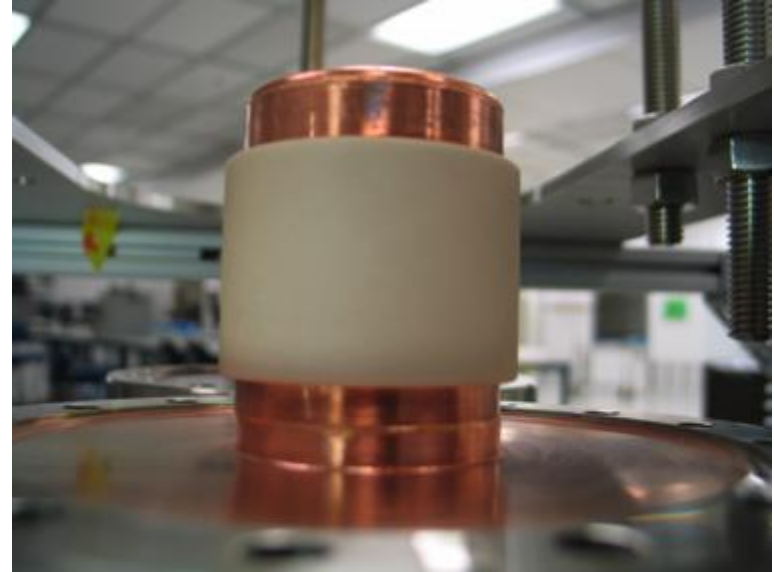
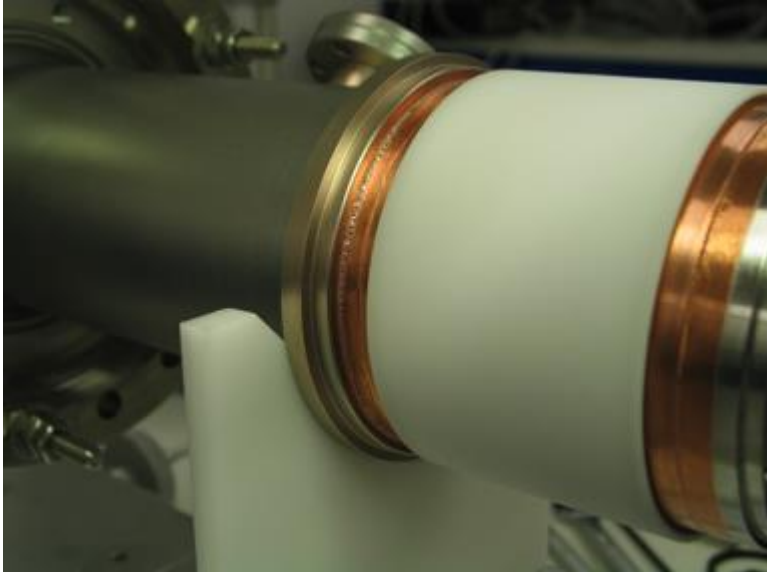


- 2nd step: copper plating of the assembled parts:





At RI site:

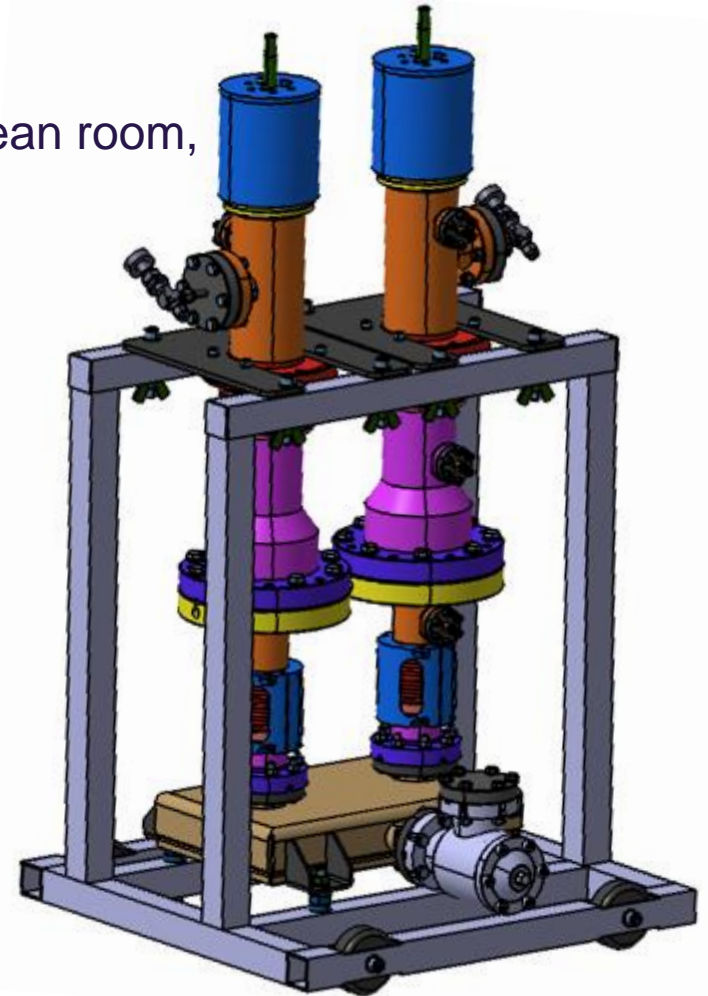


- Ceramics TiN coating,
- EB welding of ceramics in warm & cold parts,

At RI site:

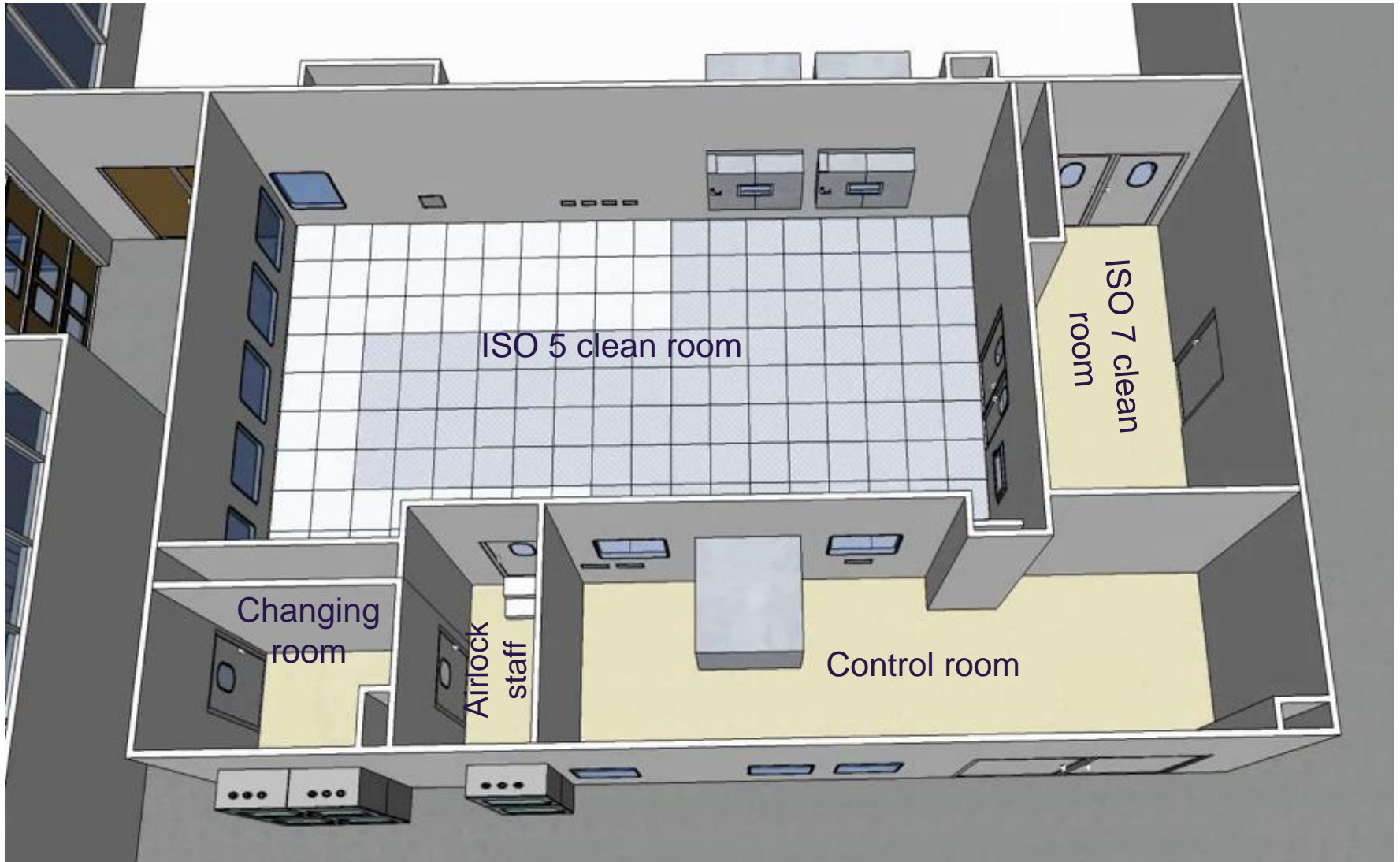
- Cleaning, degreasing of coupler parts in ISO5 clean room,
- Coupler assembly by pair in ISO4 clean room.

↳ Shipment to LAL





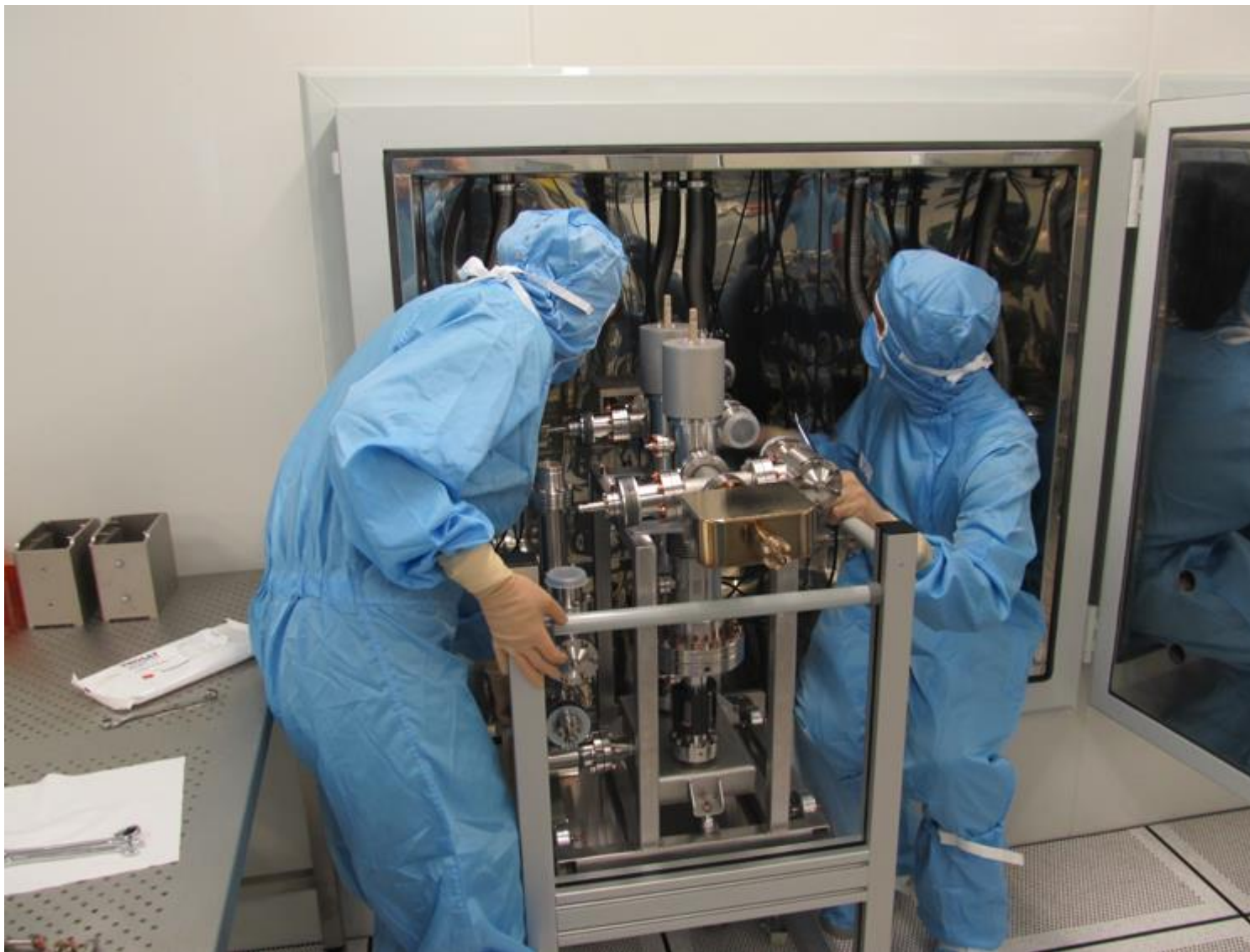
XFEL Coupler production



XFEL Coupler production

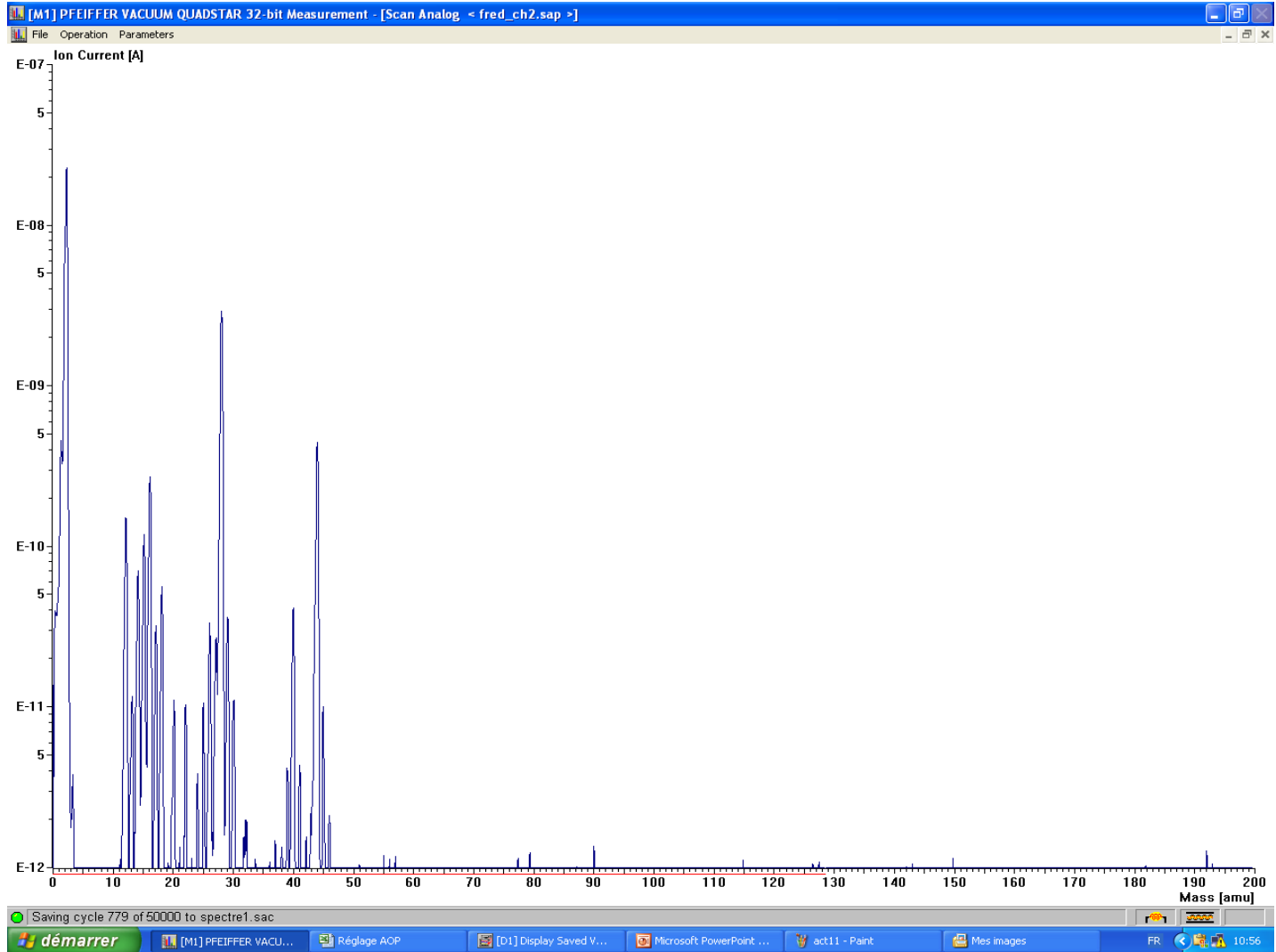






XFEL Coupler production

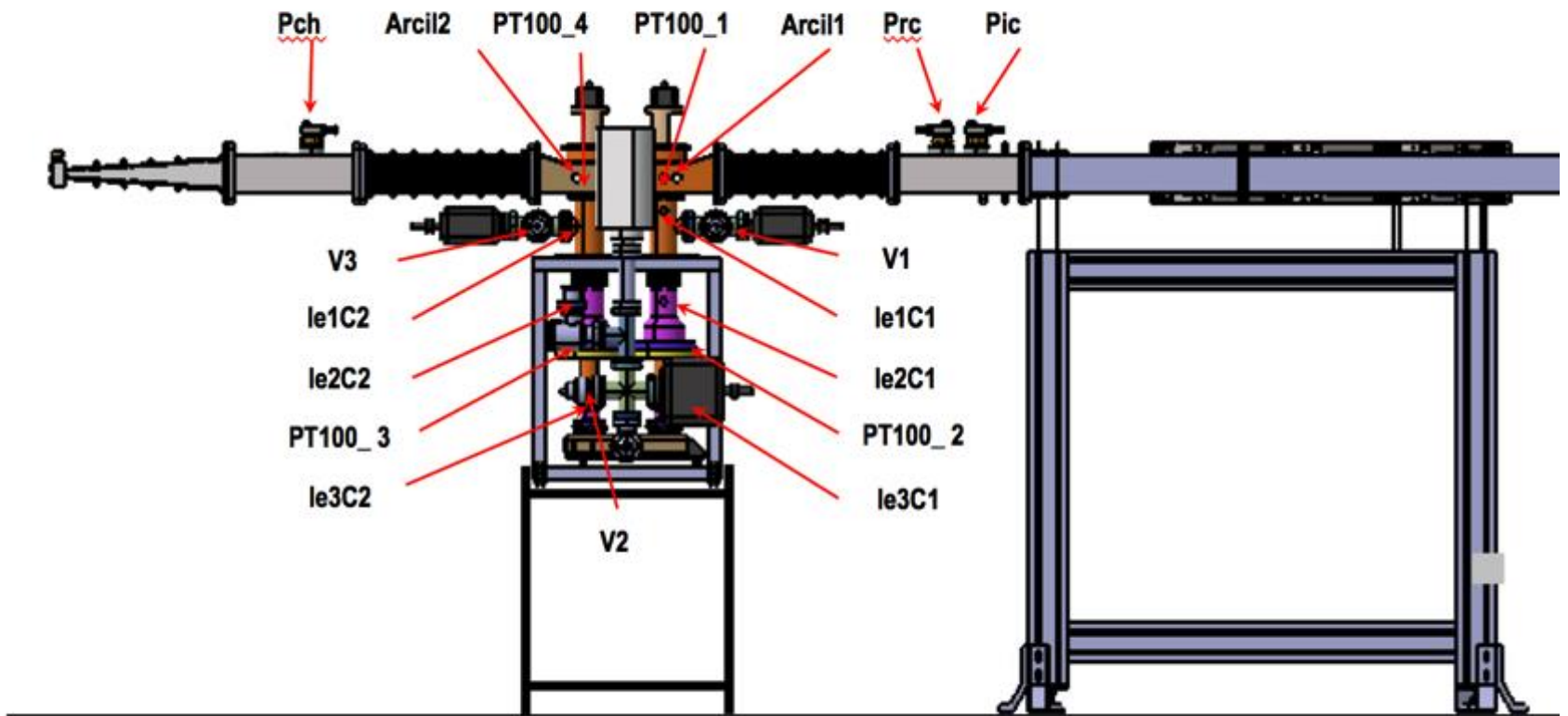




XFEL Coupler production



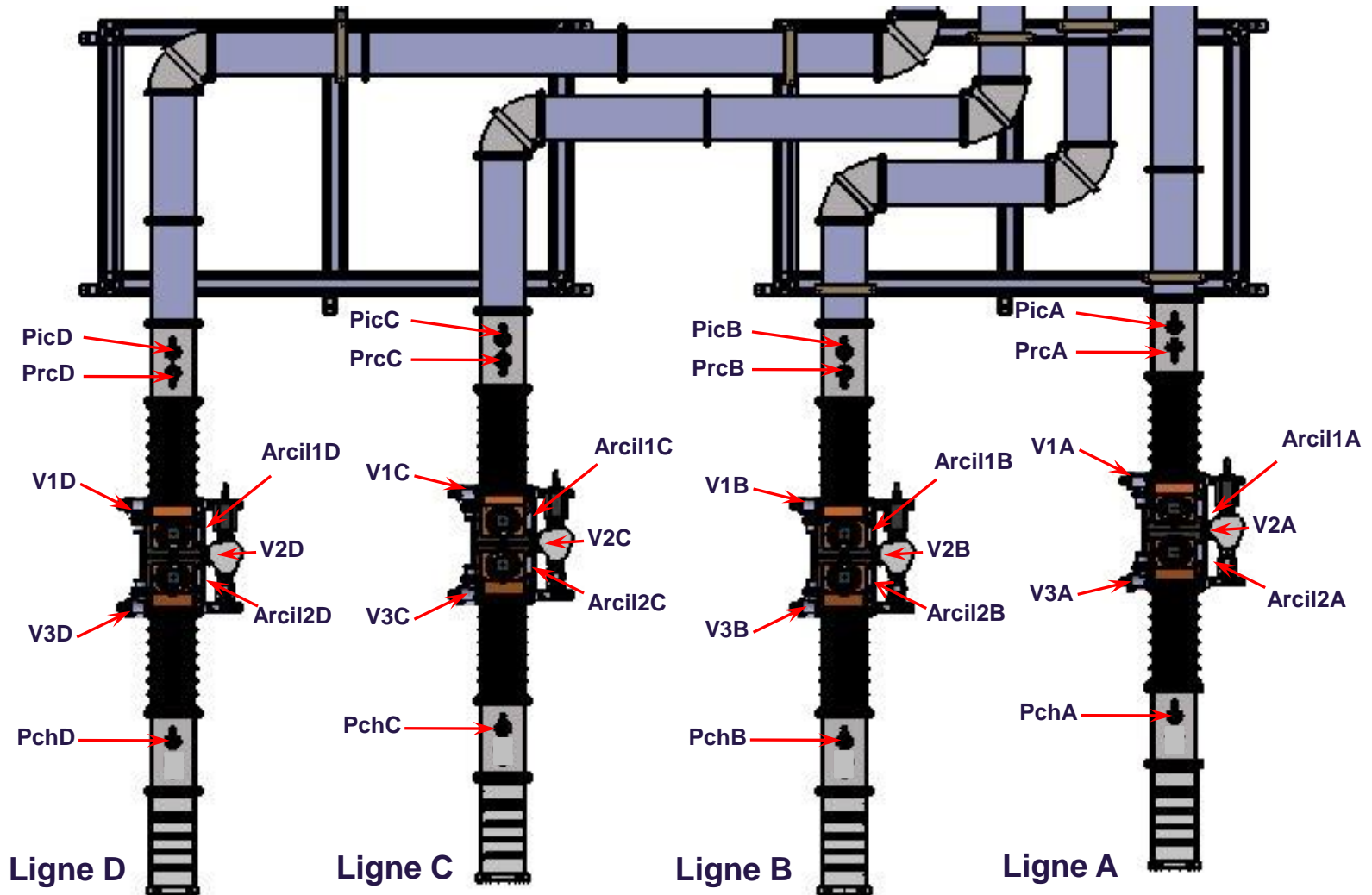
XFEL Coupler production



XFEL Coupler production

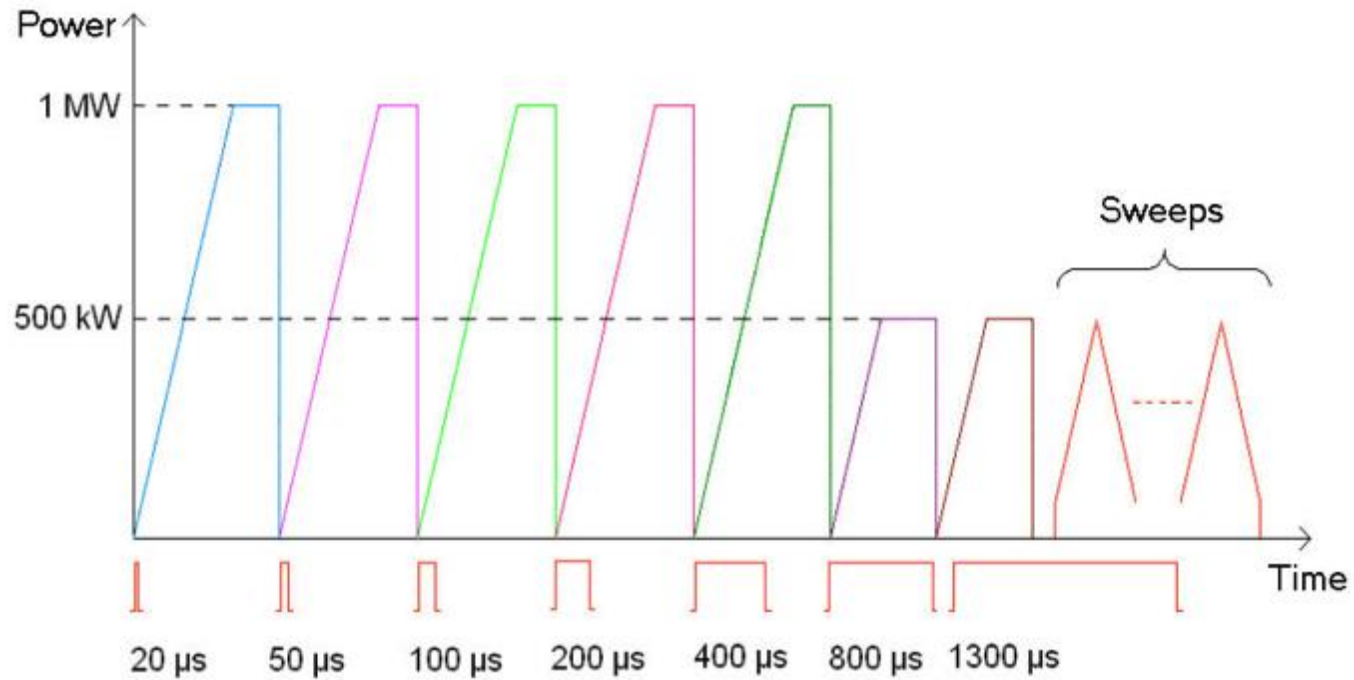


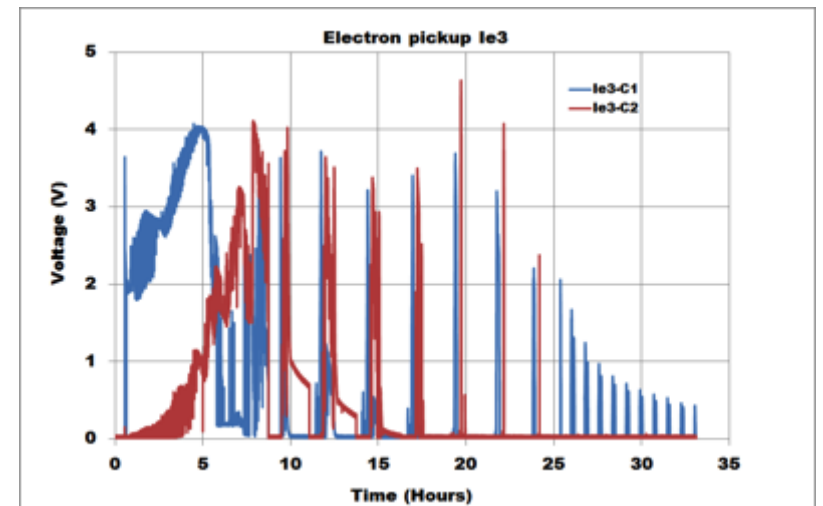
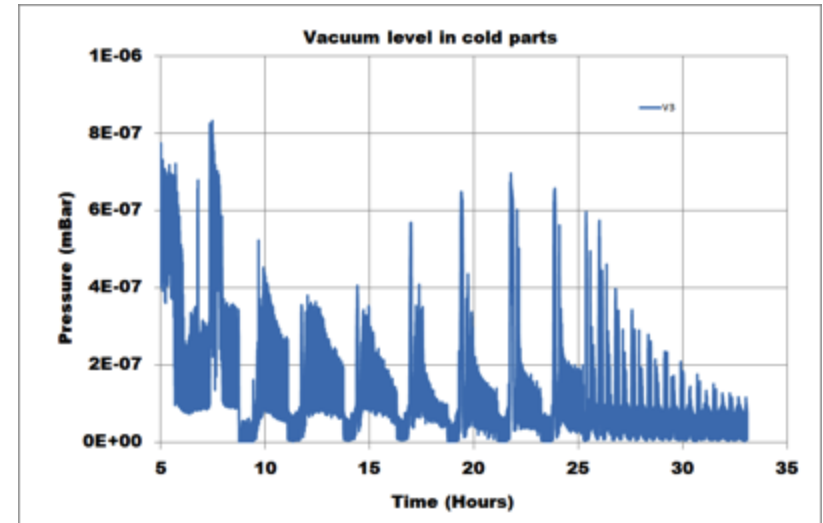
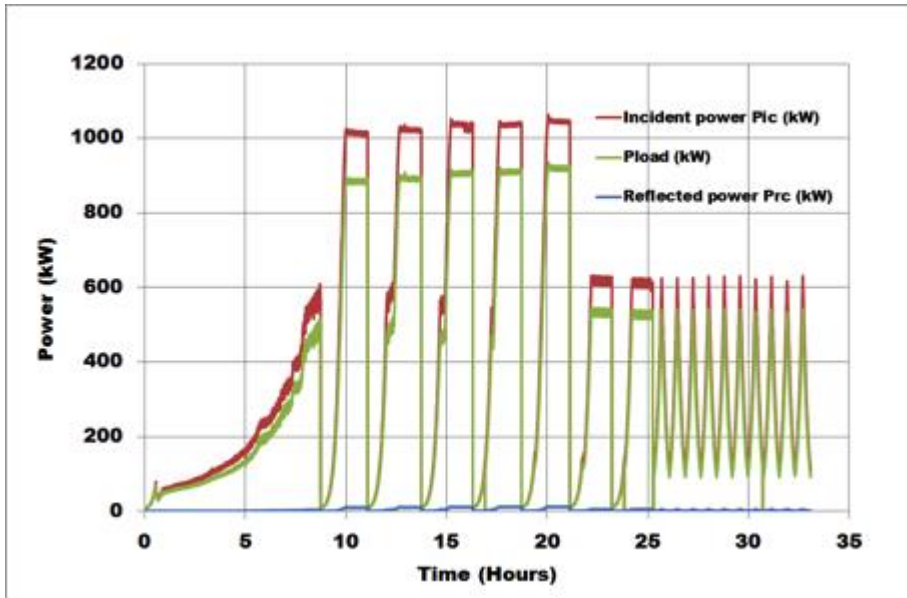
XFEL Coupler production





XFEL Coupler production















Thanks for your attention.