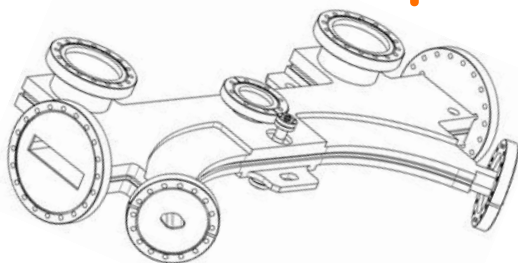
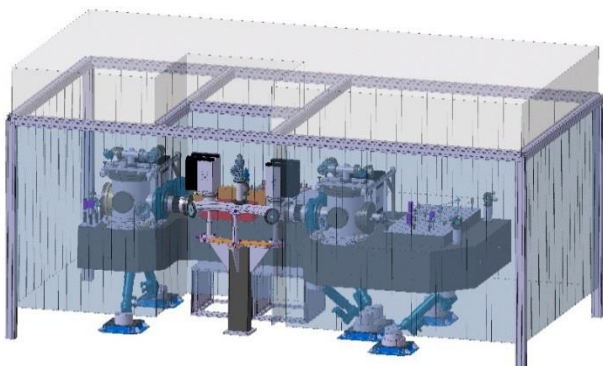
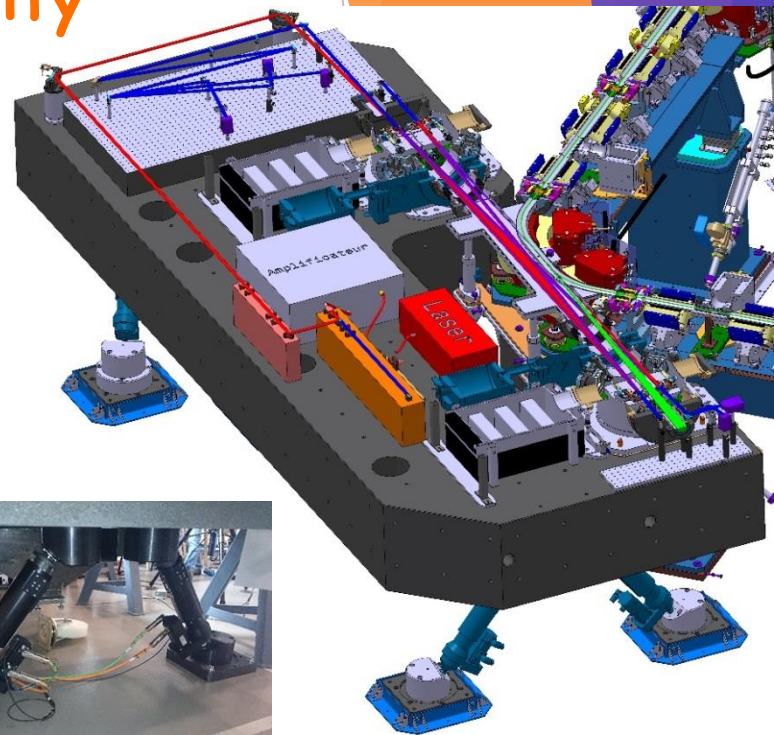


Interaction Point : Optical Cavity



A Fabry Perot cavity inside two UHV chambers (delivered January 2015) connected by an Stainless Steel 316LN IP Chamber et 2 Bellows.

- Whole assembly in a clean room class ISO-5 with laminar flow
- Assembled on a 5t hexapod - granite table for a fine spatial matching of the cavity on the electron beam - Symétrie (Nîmes, France) - FAT June 2015



Degré de liberté hexapode	Déplacement axe par axe	Résolution	Répétabilité
Tx (e)	/	/	/
Ty (t)	± 2 mm	1 µm	0.8 µm*
Tz (v)	± 5 mm	1 µm	0.8 µm*
Rx / Pitch	± 1 mrad	2 µrad	0.8 µrad**
Ry / Yaw	± 1 mrad	2 µrad	0.8 µrad**
Rz / Roll	± 3.5 mrad	2 µrad	0.8 µrad**

