DFX

interfaces in the tunnel
&
installation: sequence of operations

R. Betemps

11/12/2018

Integration situation

- Reference : IP 5R & IP5L EDMS 1991506

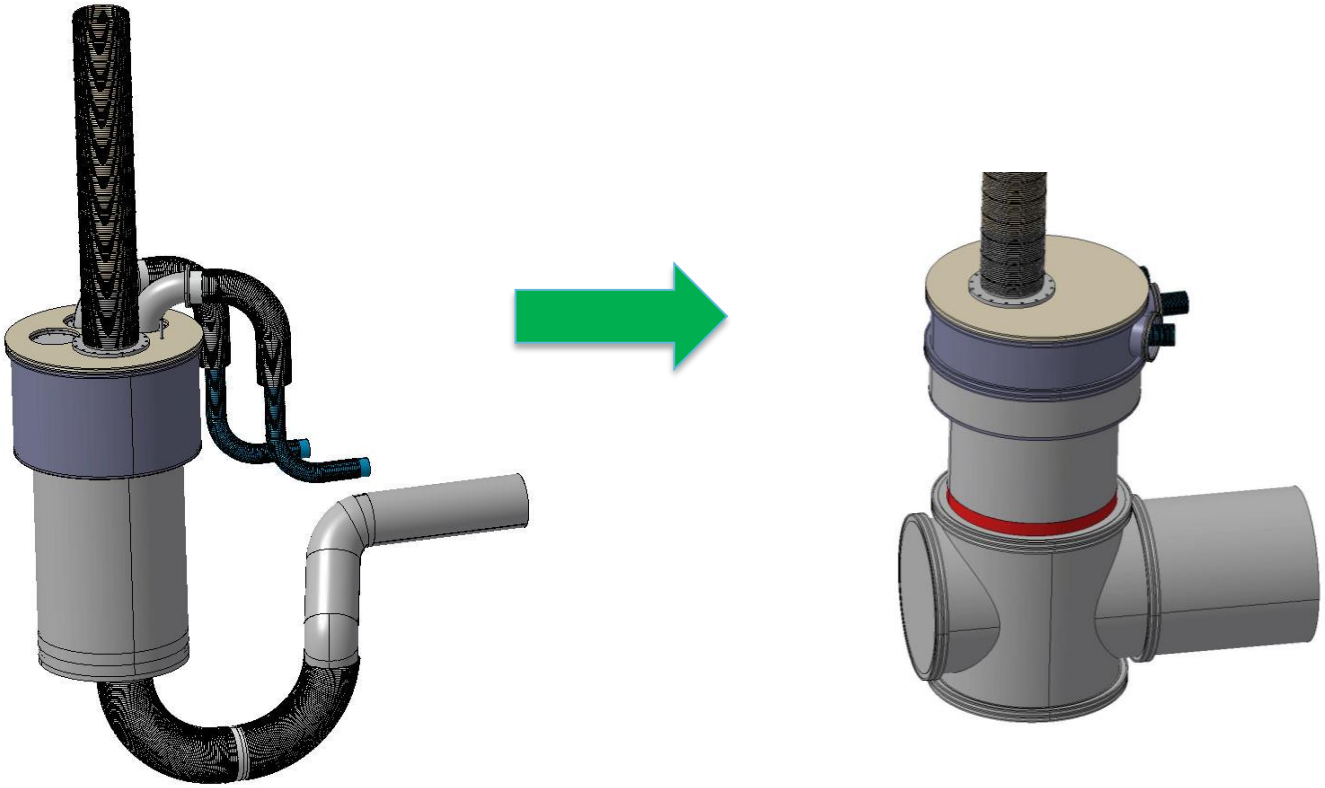
  ST0999873_01 & ST1001705_01

- Integration of the last version of the DFX design (2018/11/23)

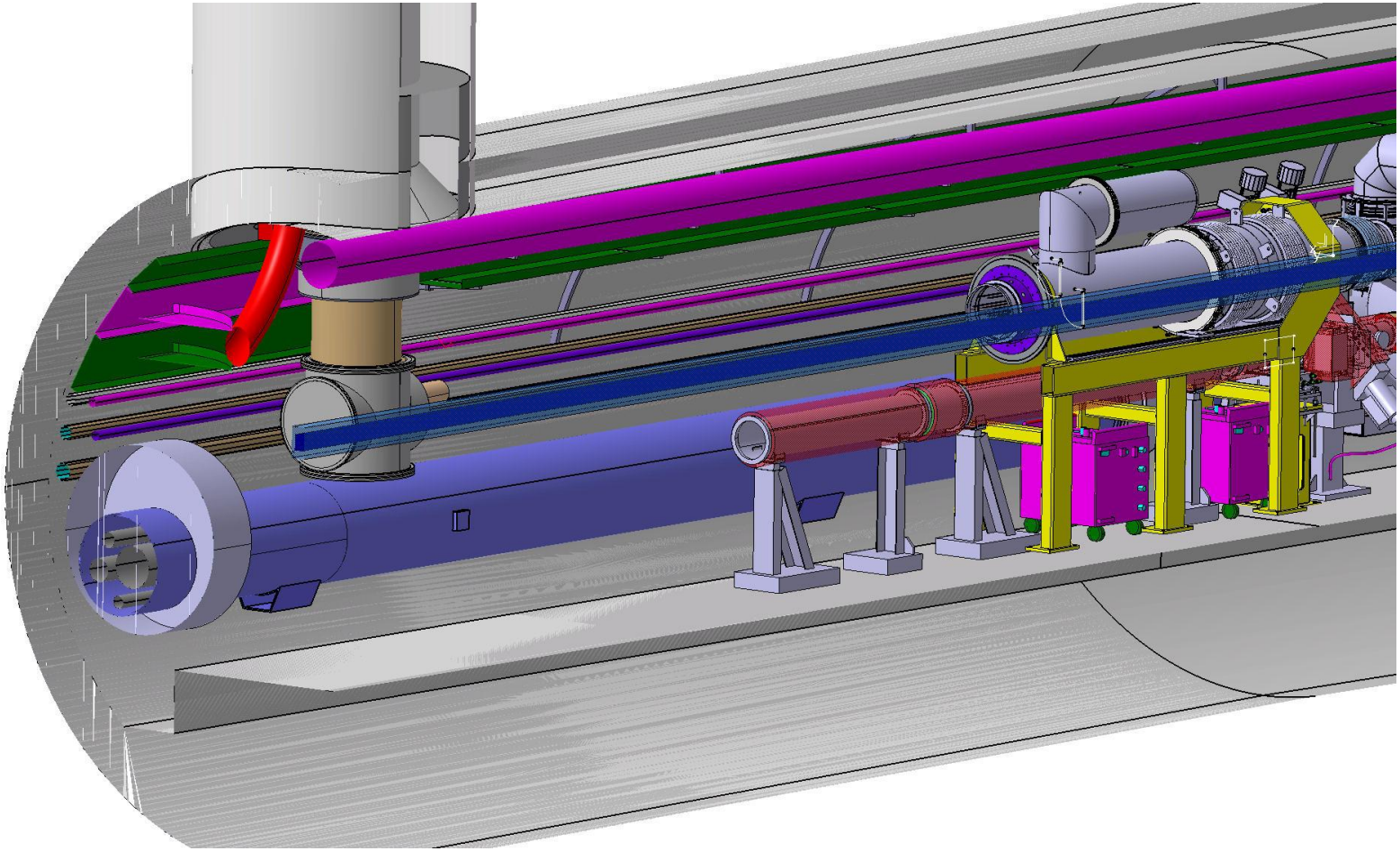
- Integration last version Cold diode (ST0997561_01)

interfaces in the tunnel

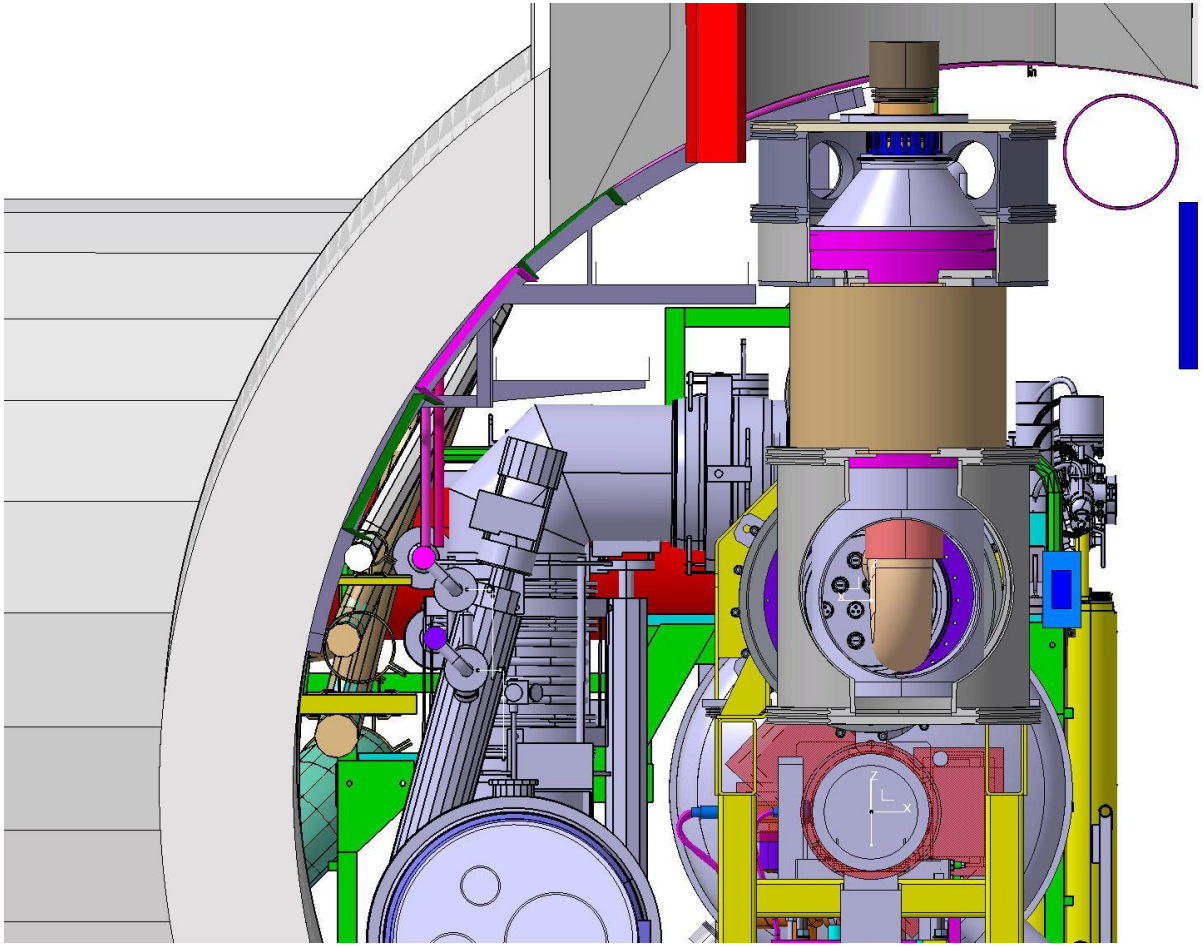
Last version of the DFX



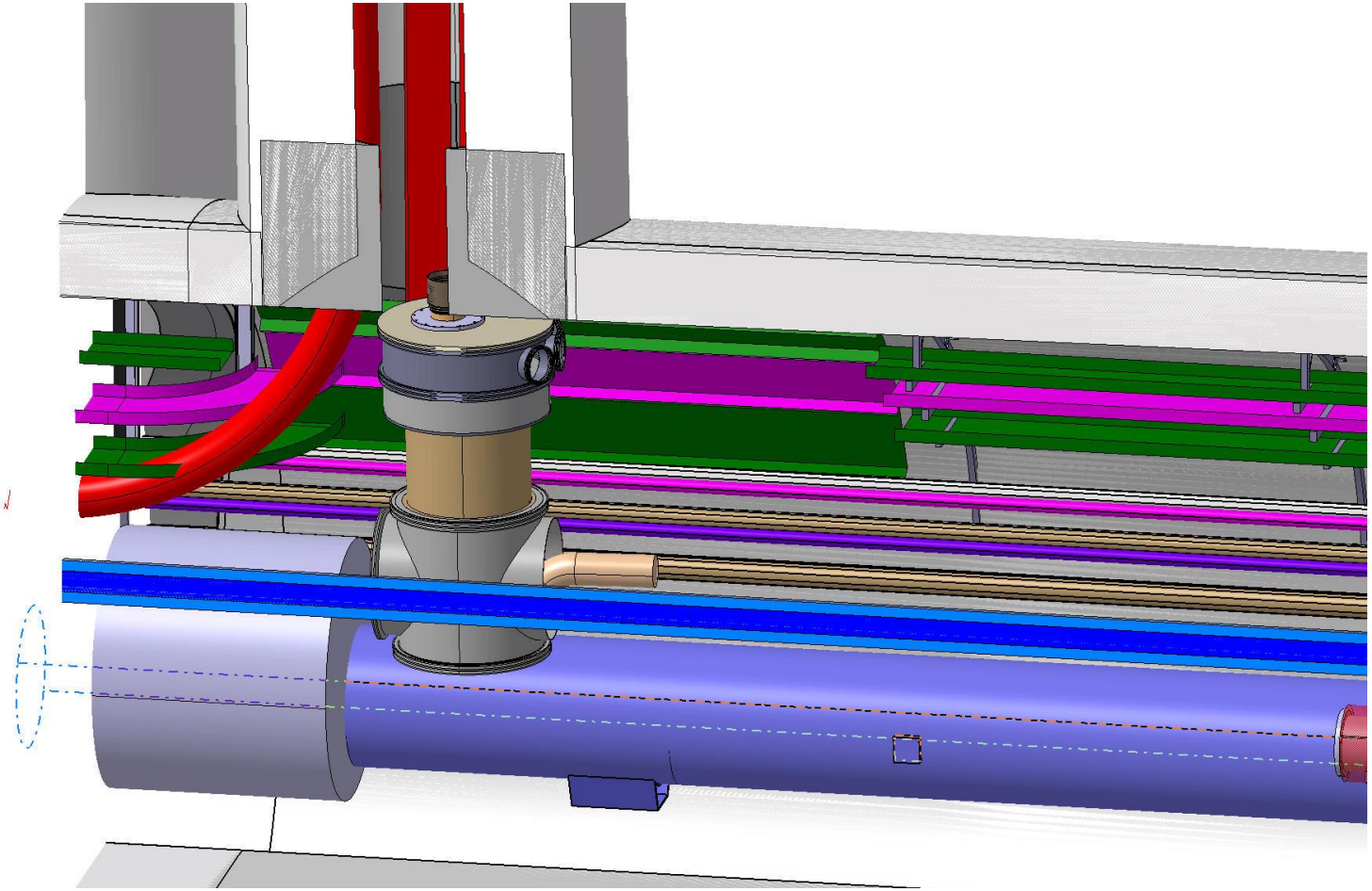
IP5 Left



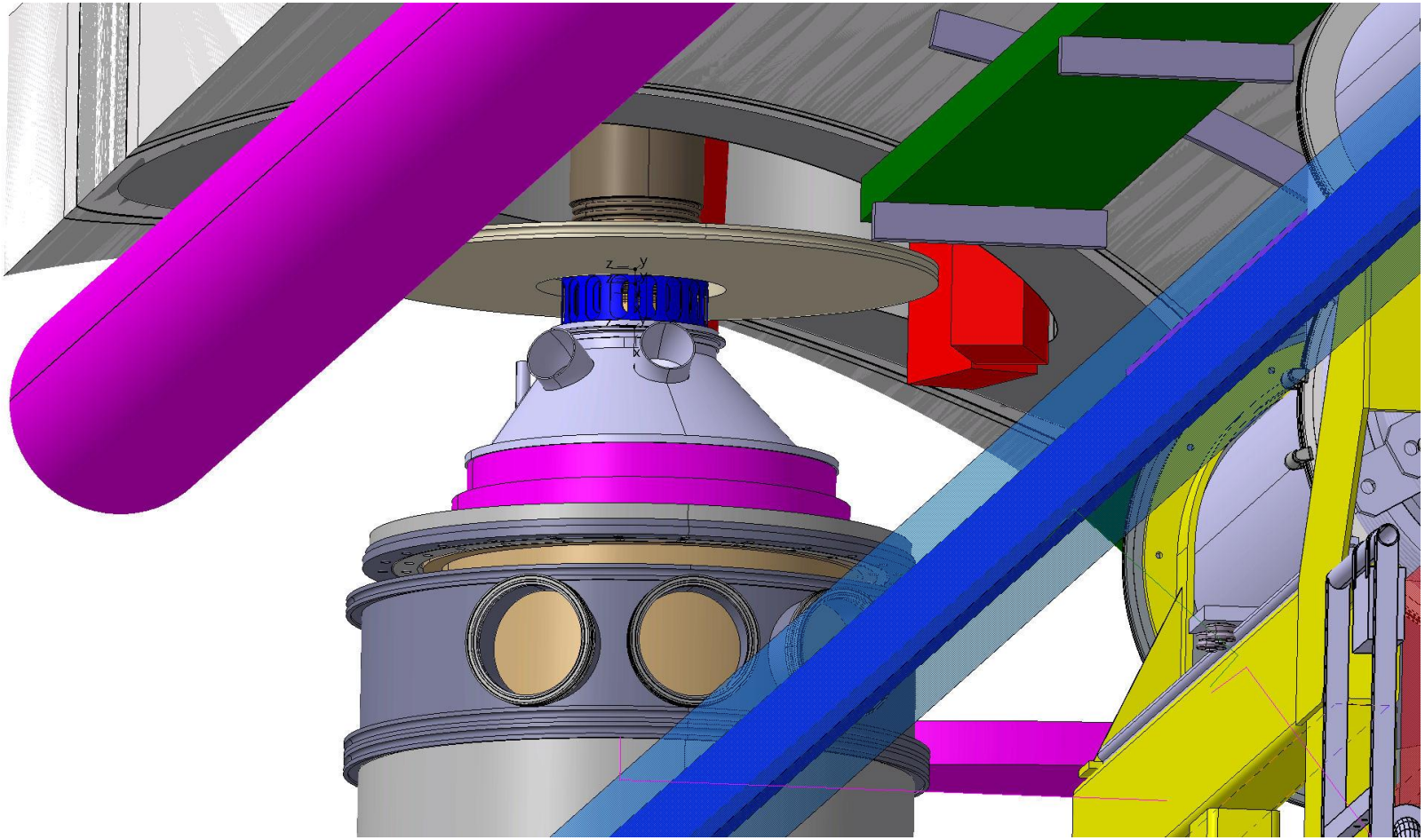
IP5 Left



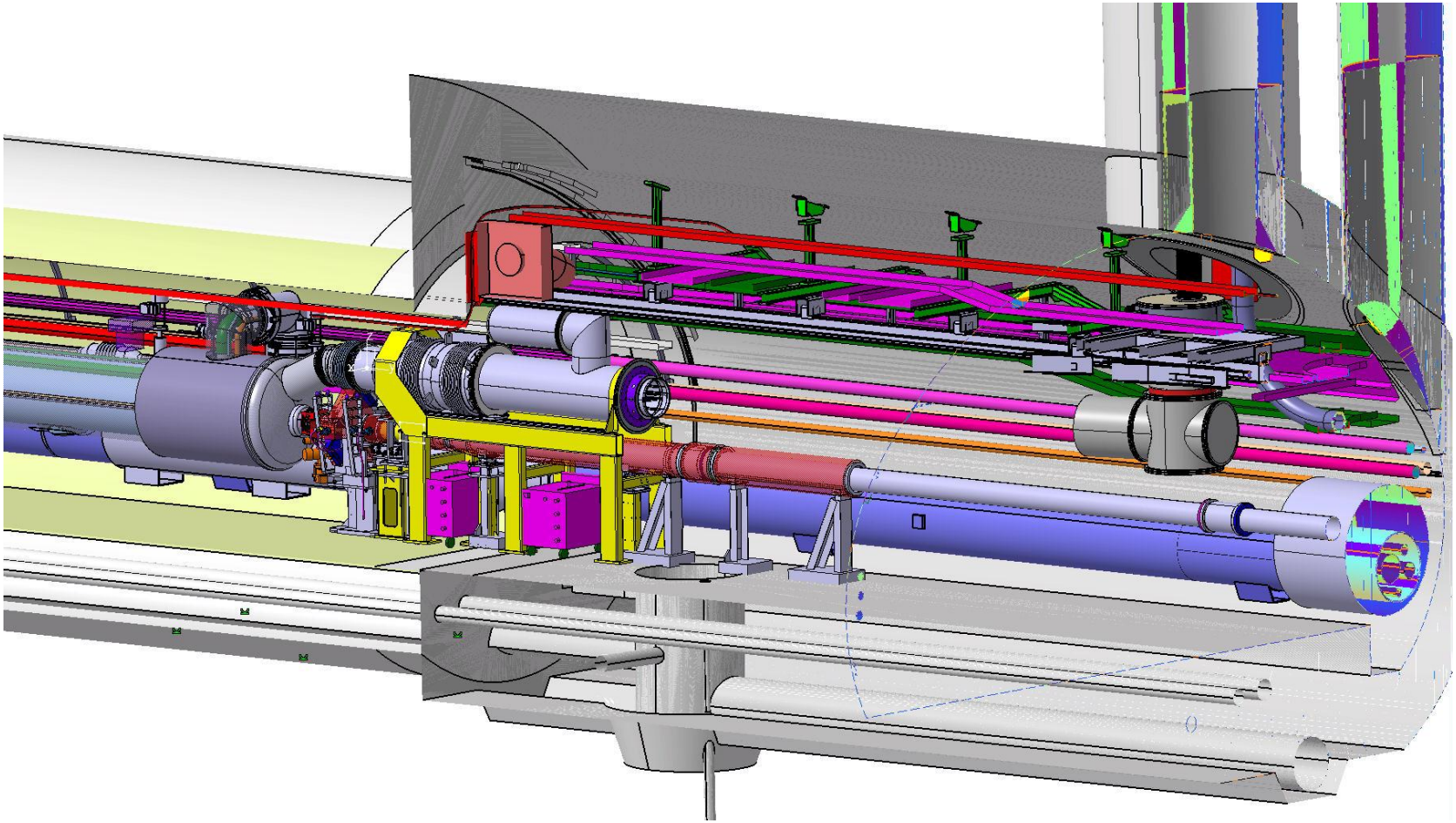
IP5 Left



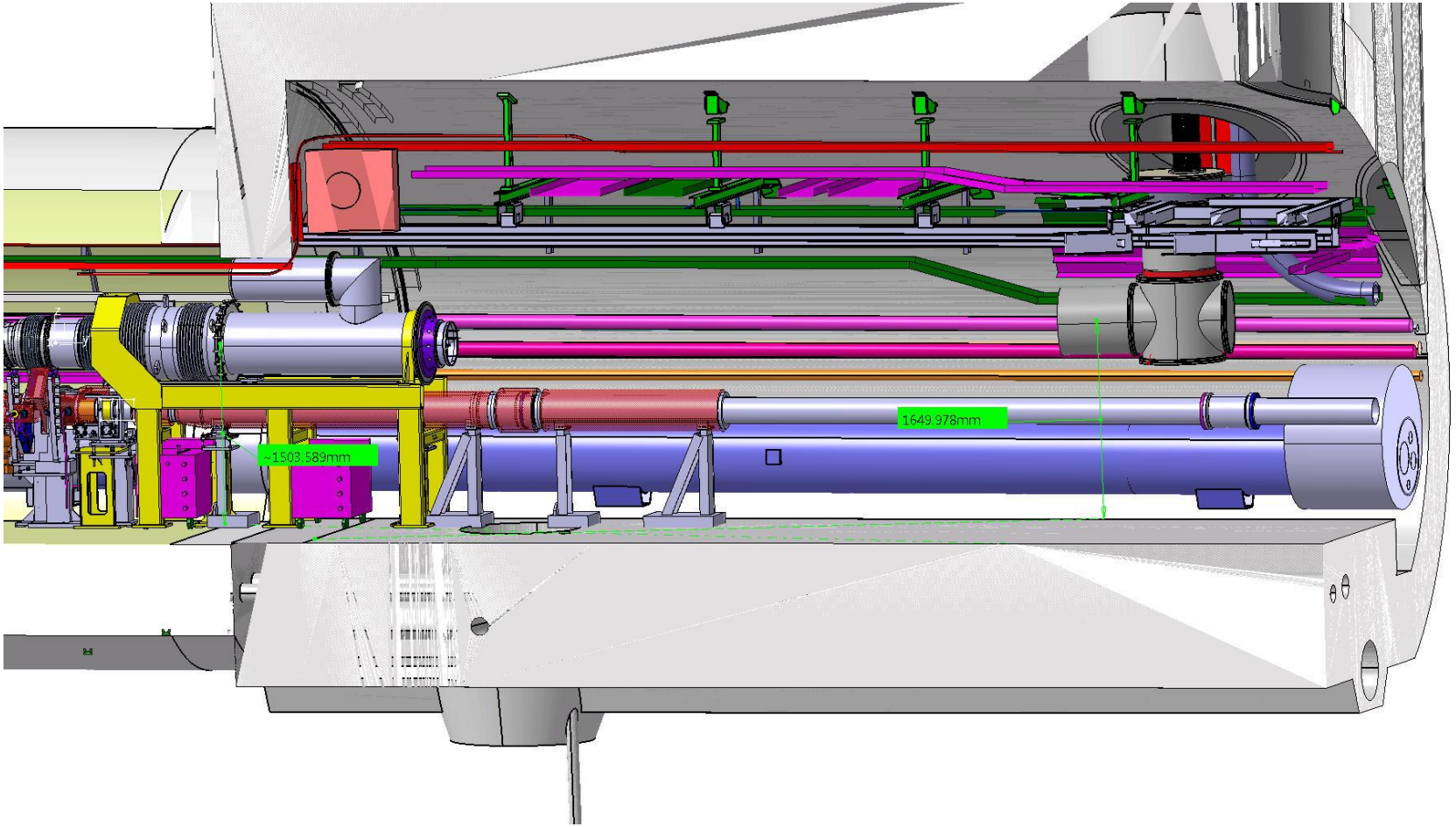
IP5 Left assembly



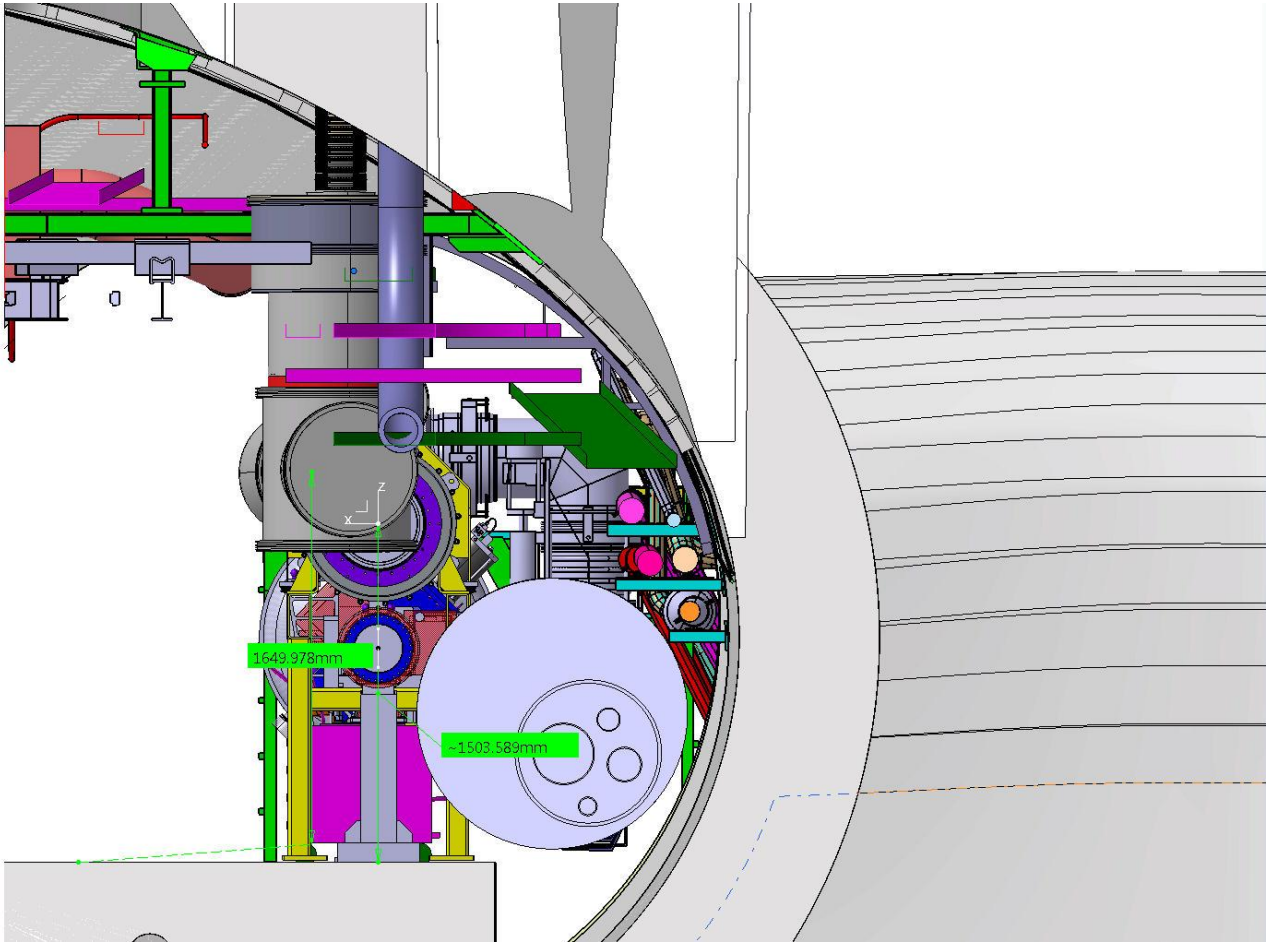
Check Point IP5 RIGHT



Check Point IP5 RIGHT

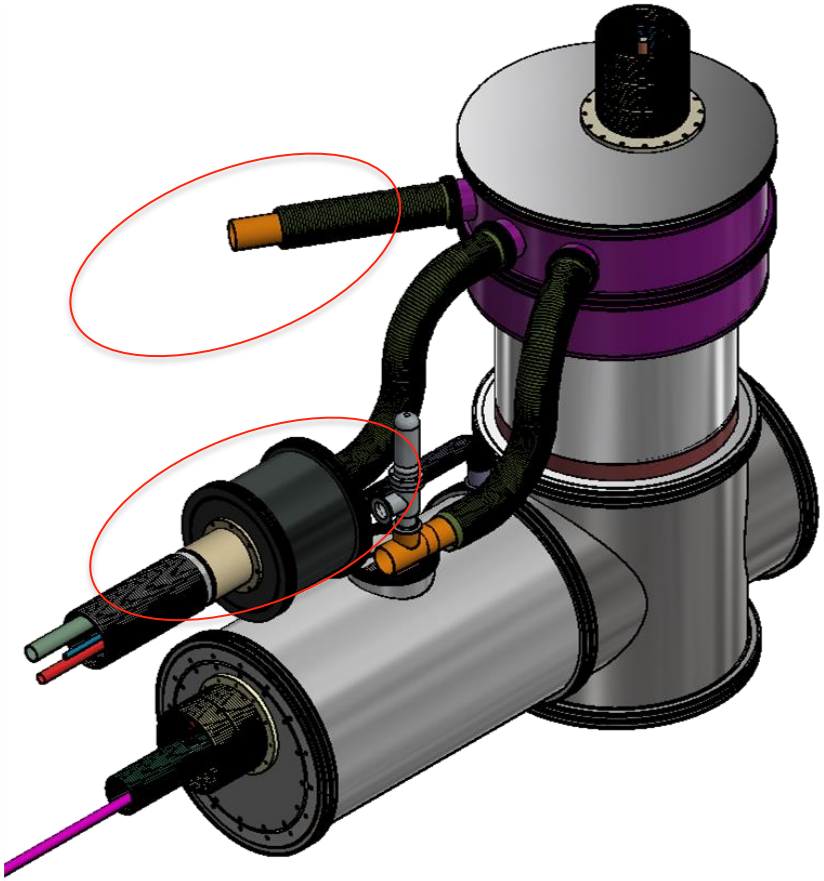


Check Point IP5 RIGHT



Next point

- Check the complet integration
- Check the Jumper
- Vacuum pipe
- Frame
- ….

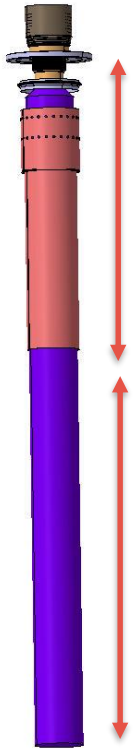


installation: sequence of operations

Assembling process off the DFX

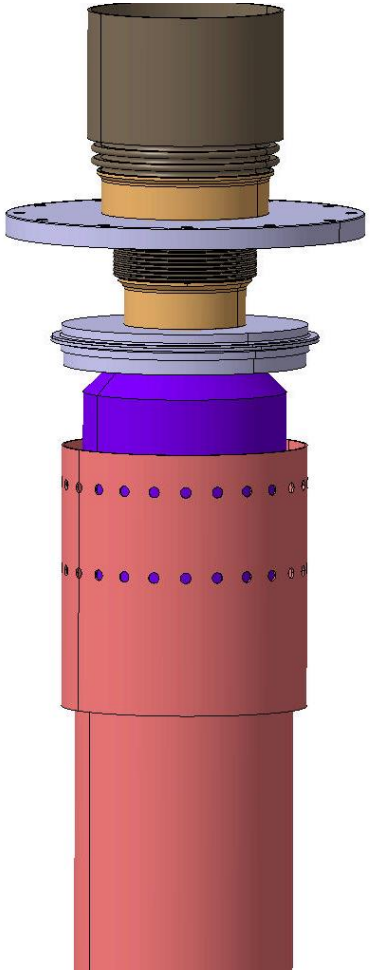
- First proposition to be consider for discussion
  - Lot of points open
  - Tollings & support to be design
  -

PRE - Assembling Process

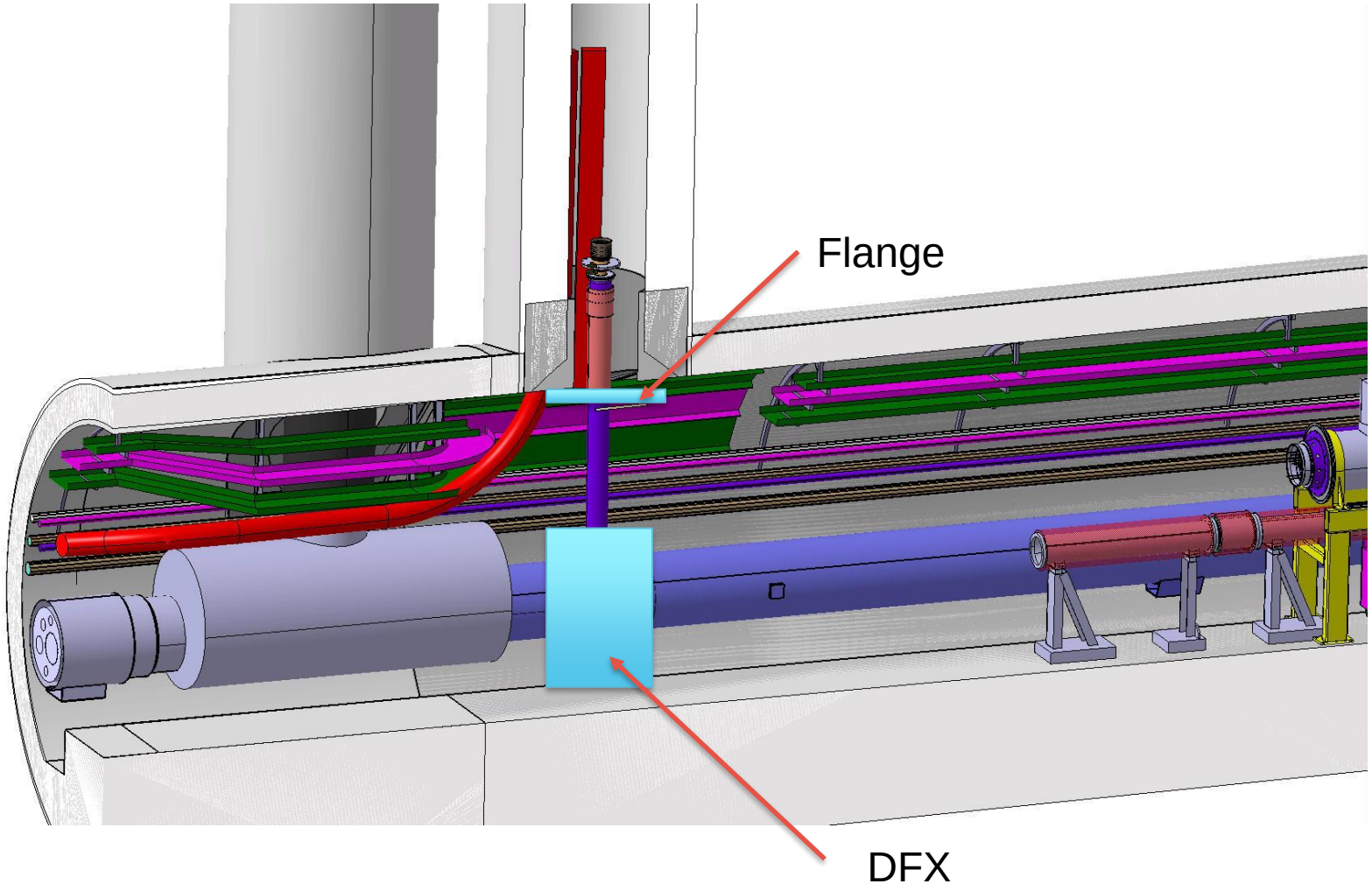


~1200

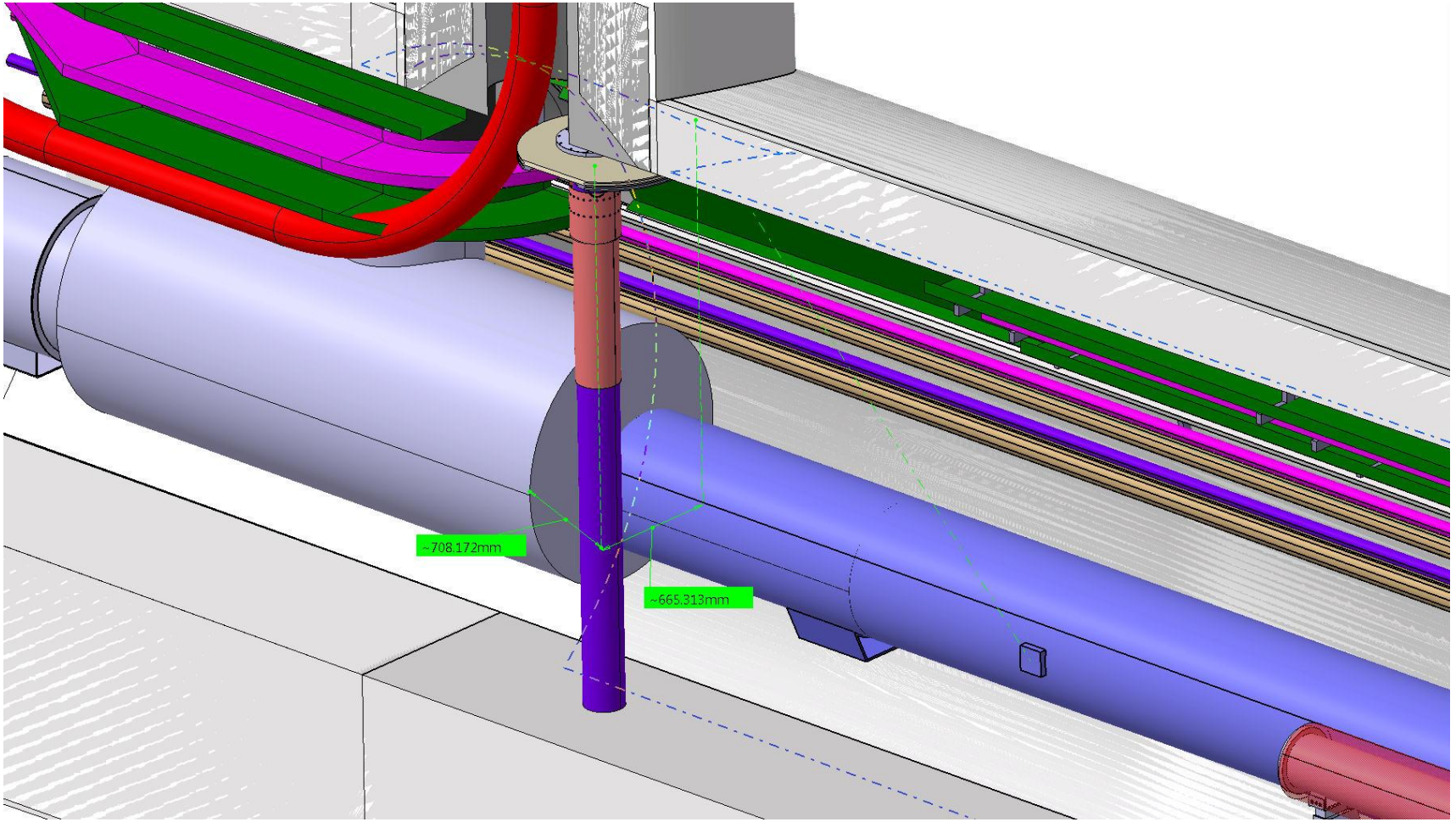
~1500



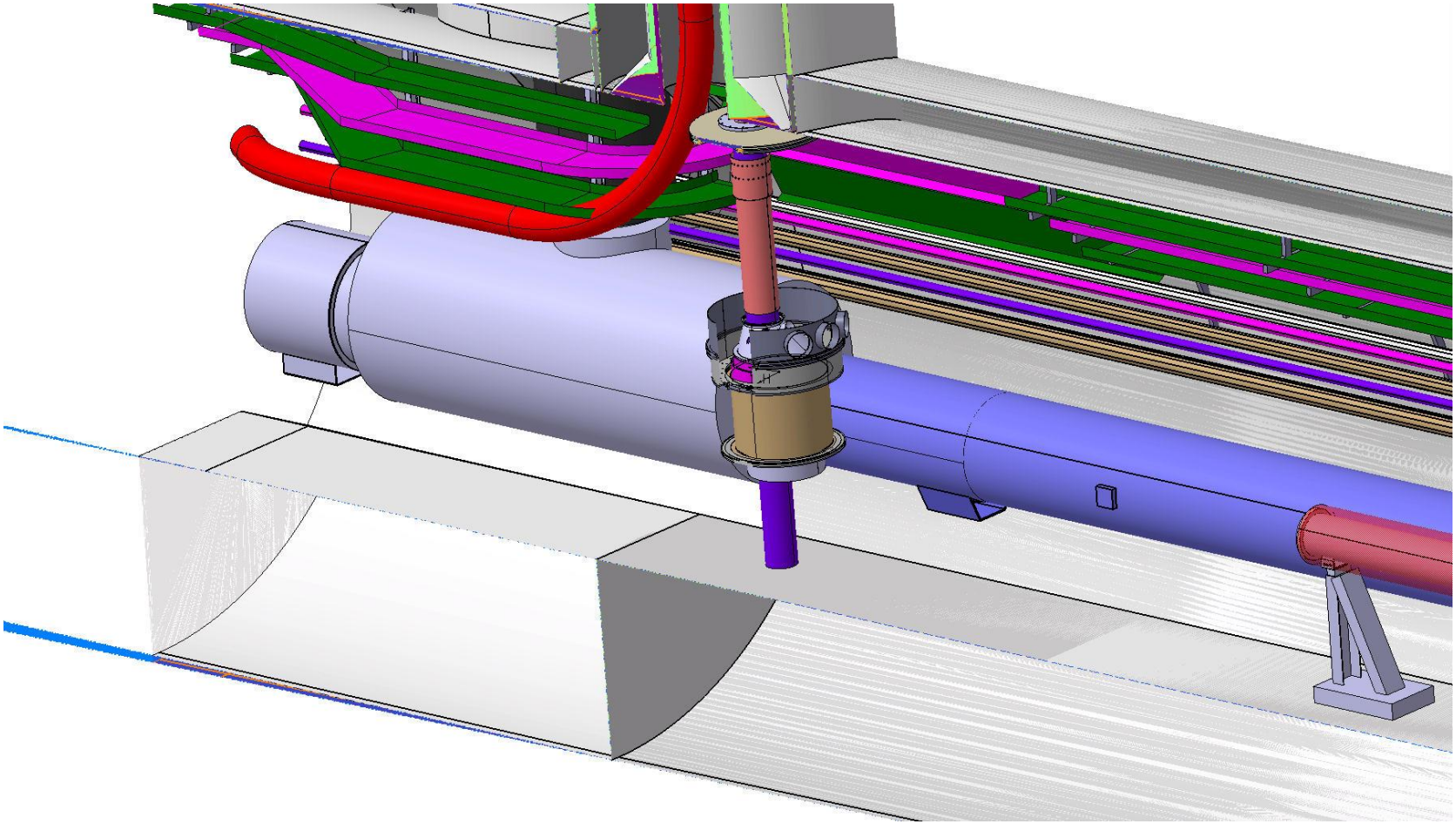
Insert the link



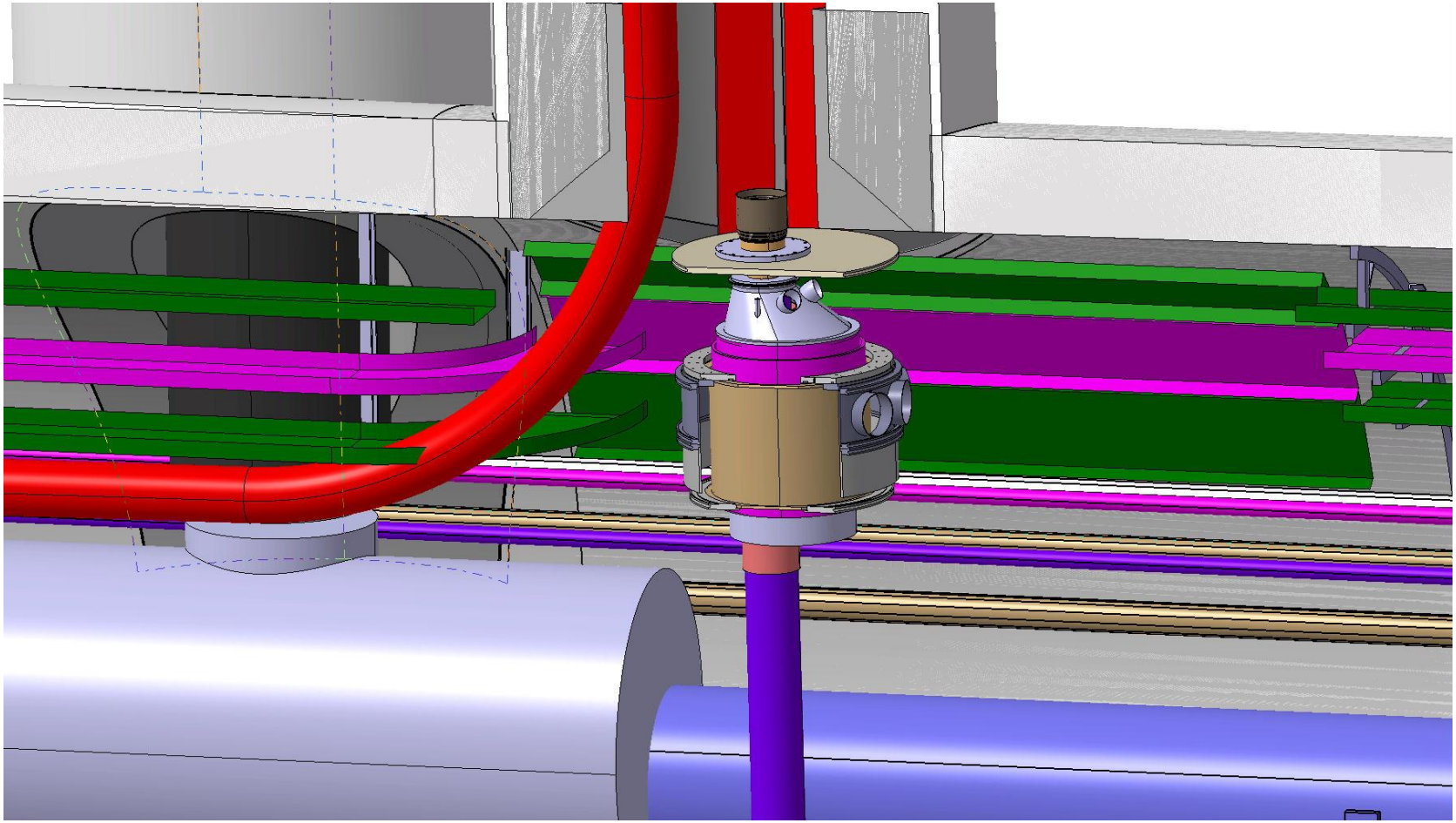
Space



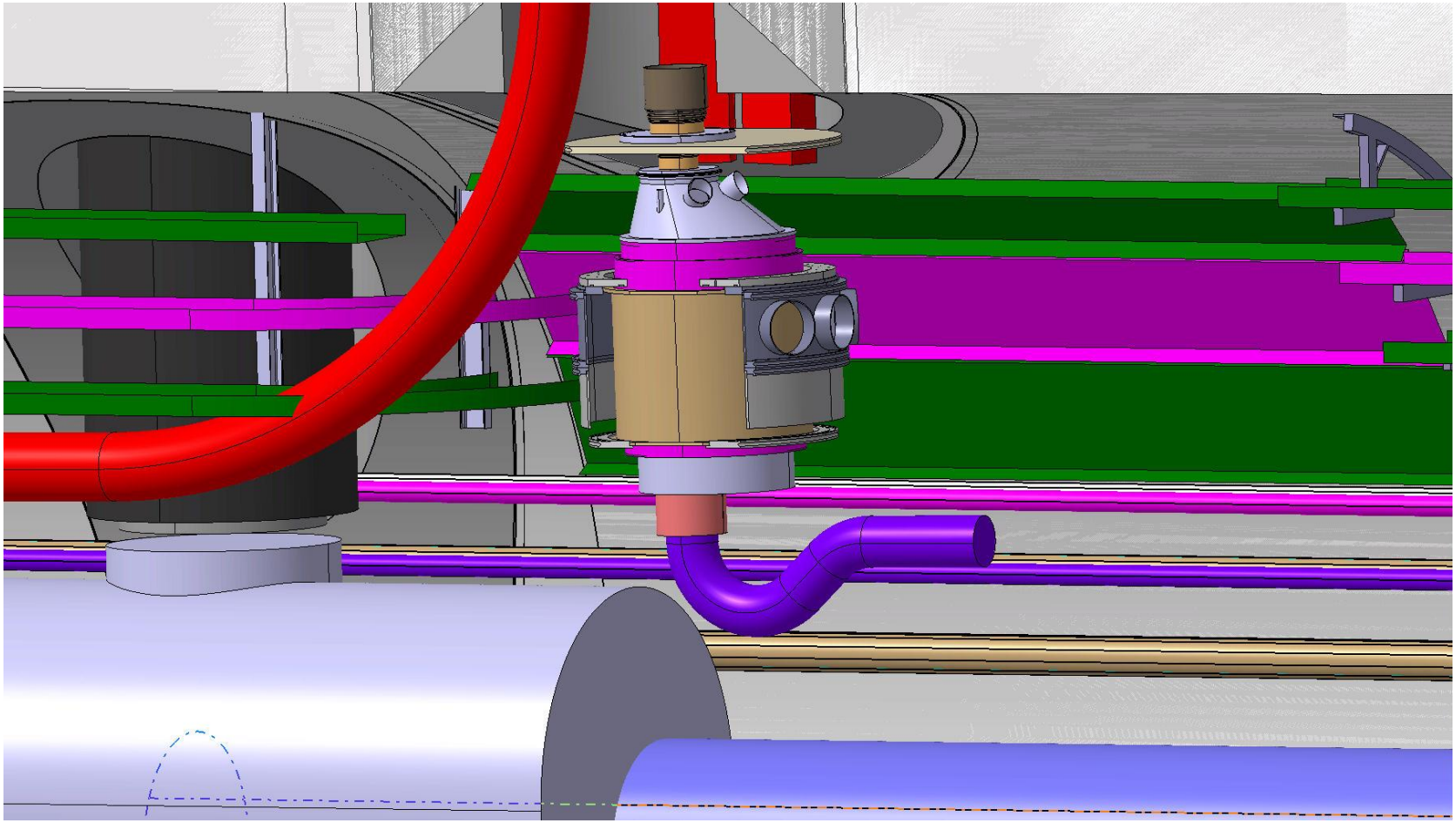
Insert the link



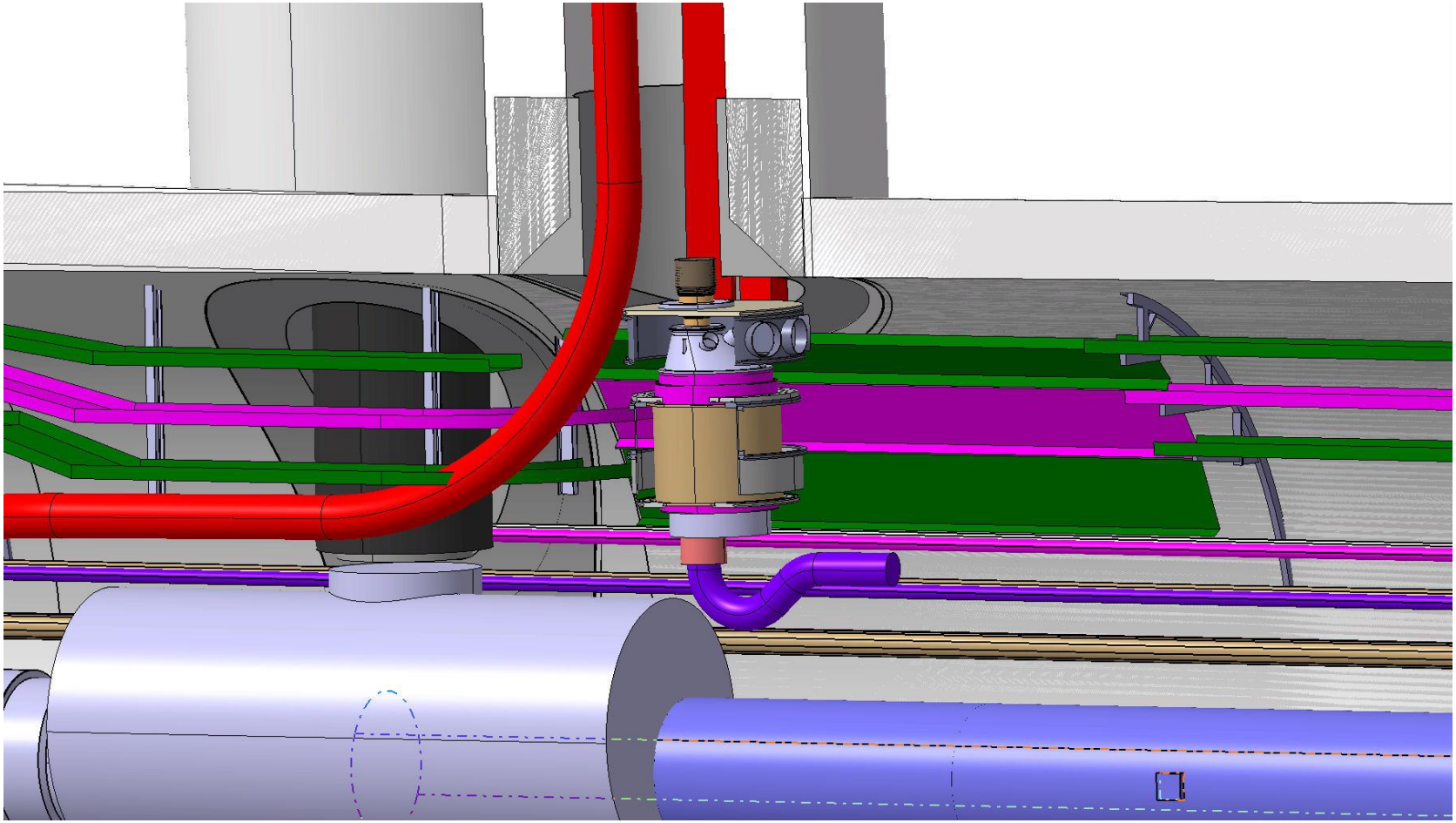
Move DFX



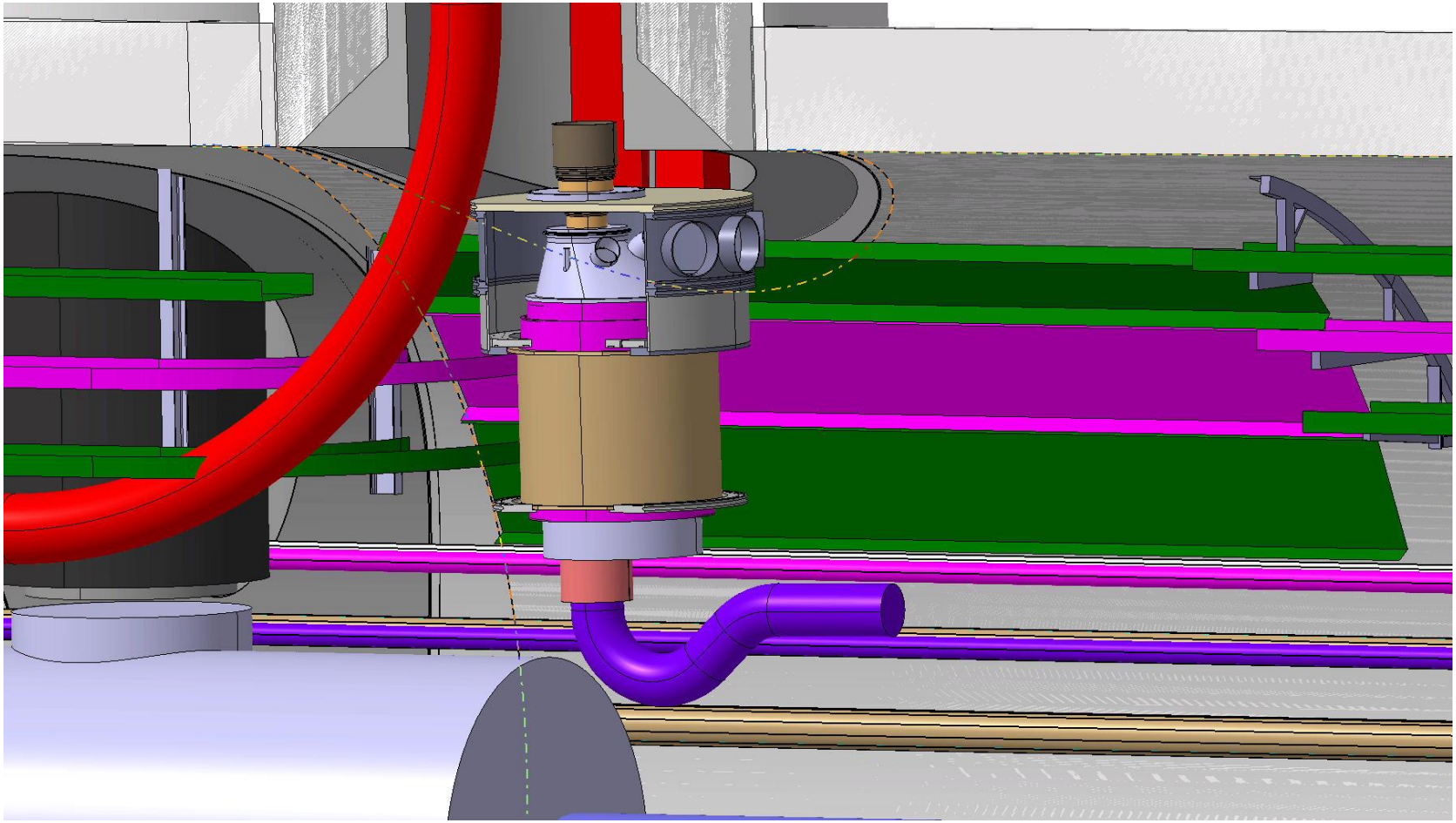
Weld the Flange & bend the NbTi cable



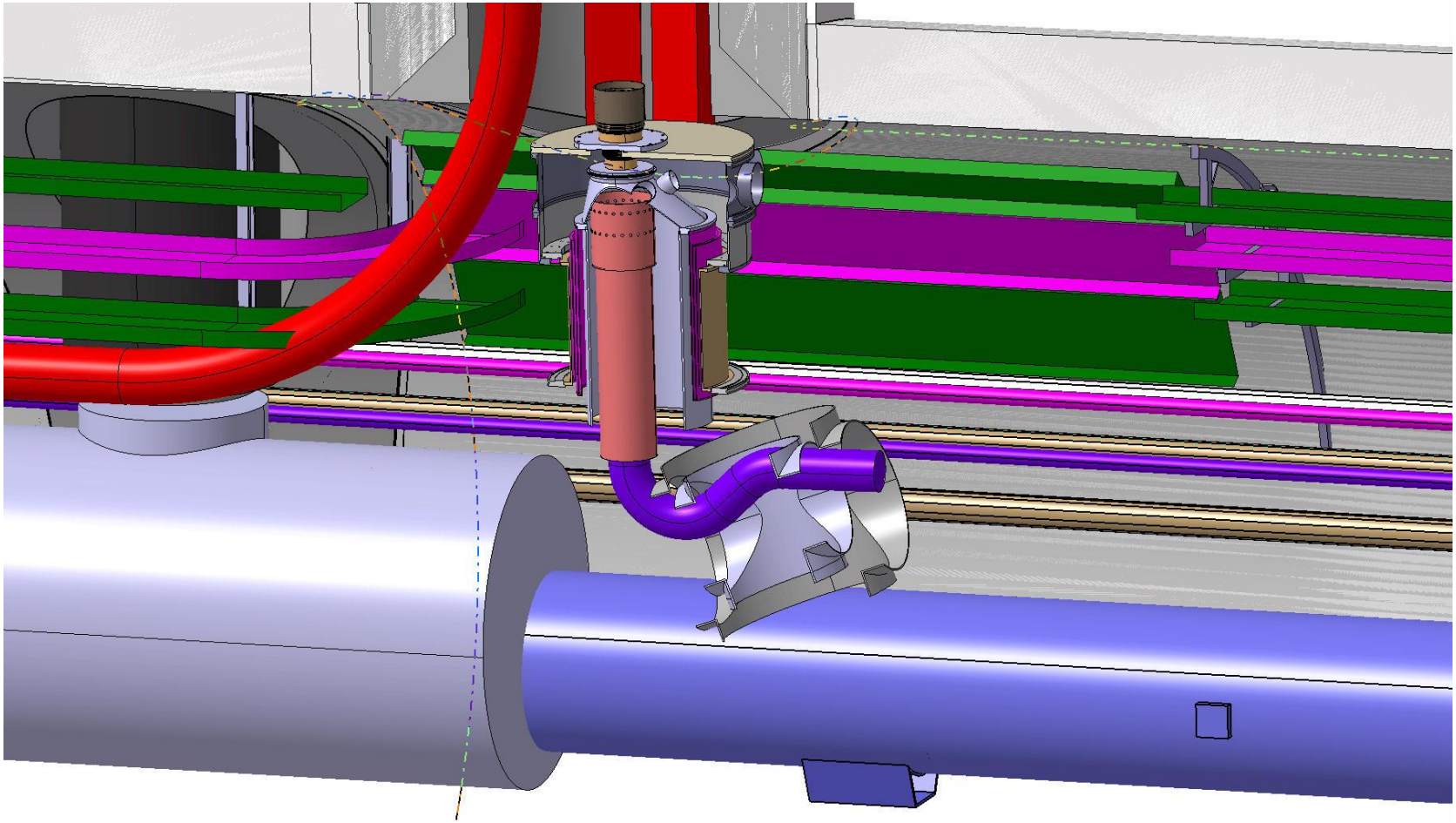
Move the vacuum ½ chamber up



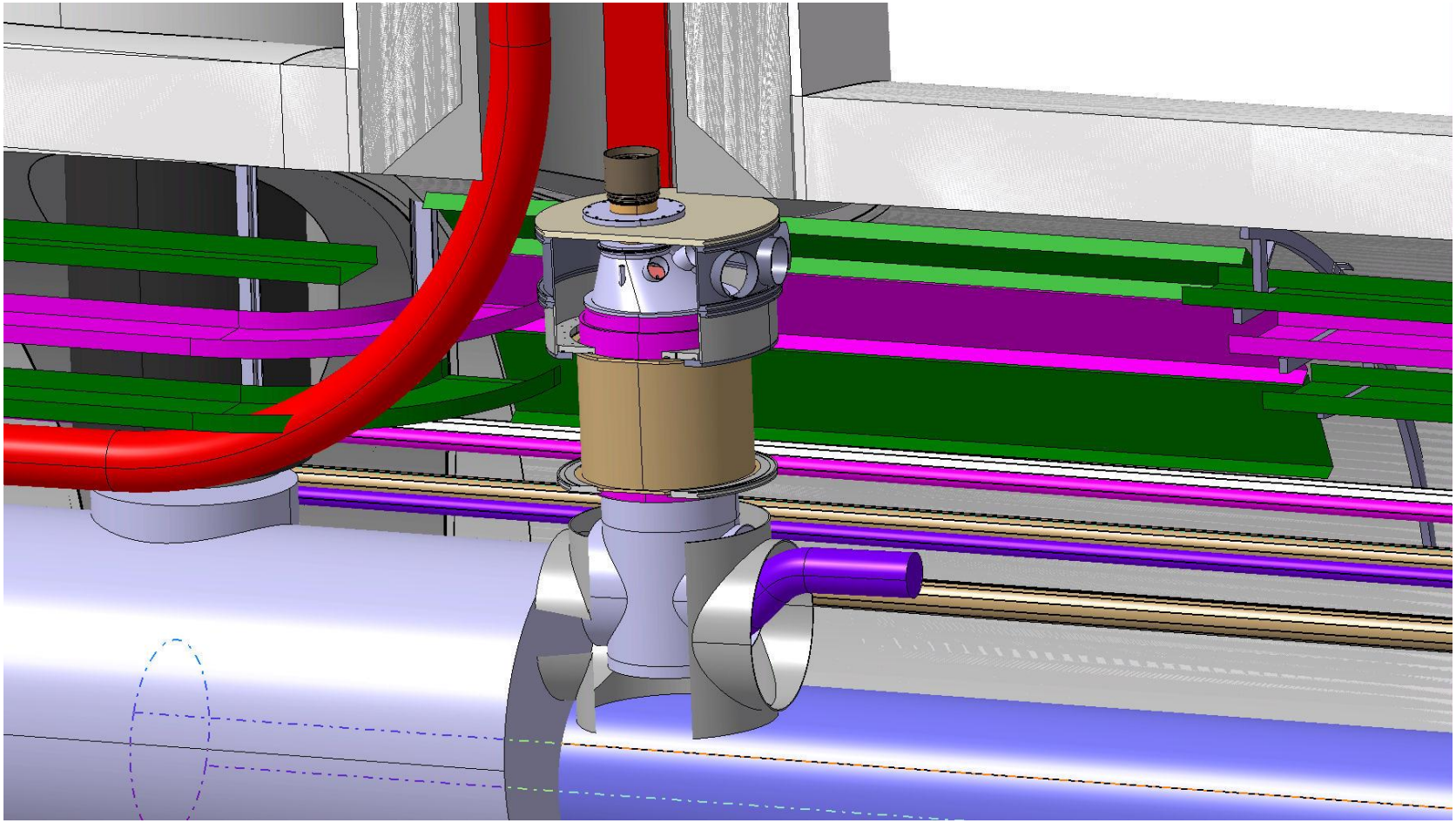
Close the vacuum chamber



Insert the low part of the chamber



Weld the helium chamber



Close the chamber