

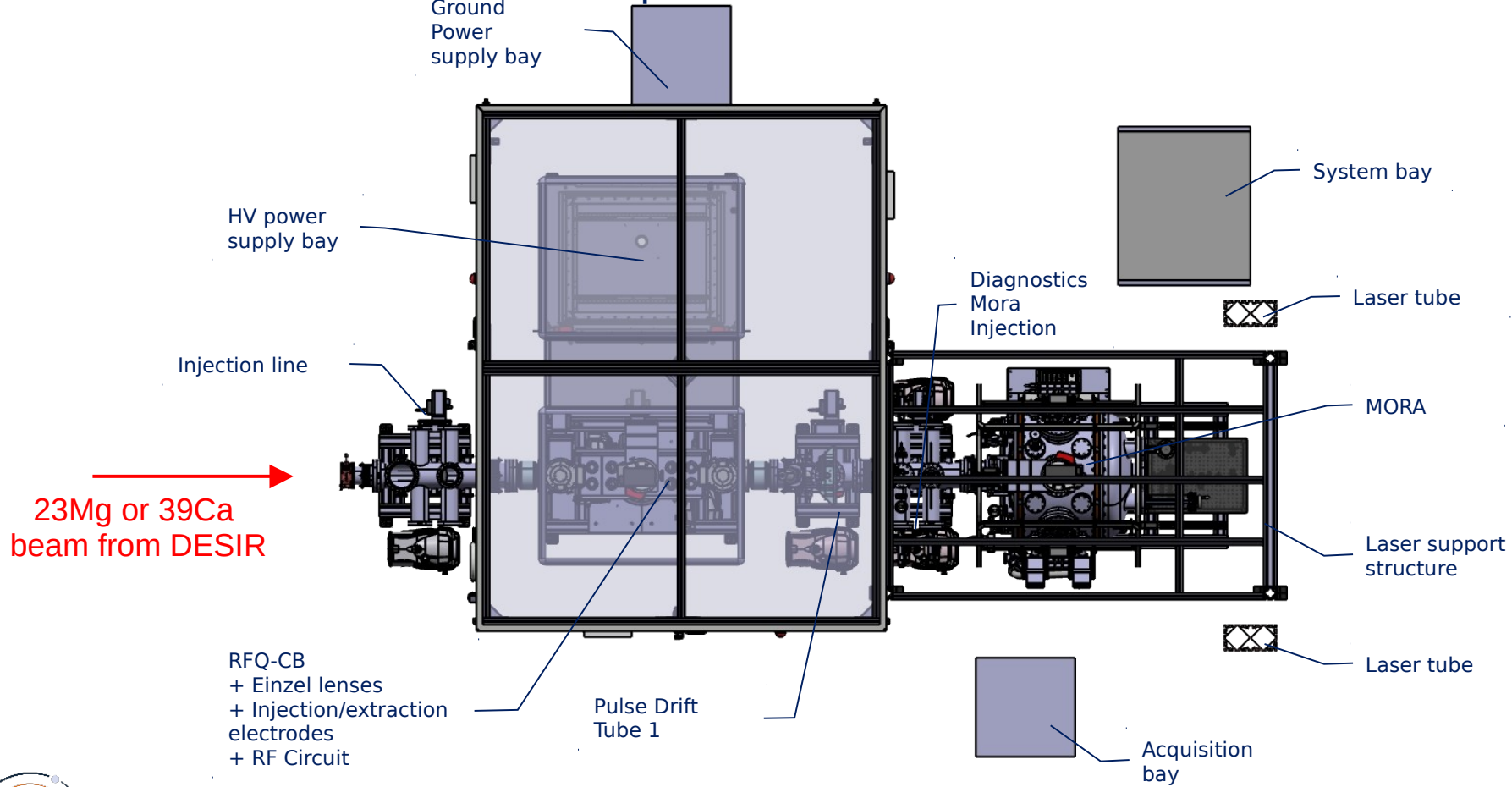
ACCLAIM Kick-off meeting - 20th of  
November

Status of the RFQ cooler and  
buncher for MORA at DESIR

On behalf of Yvan Merrer



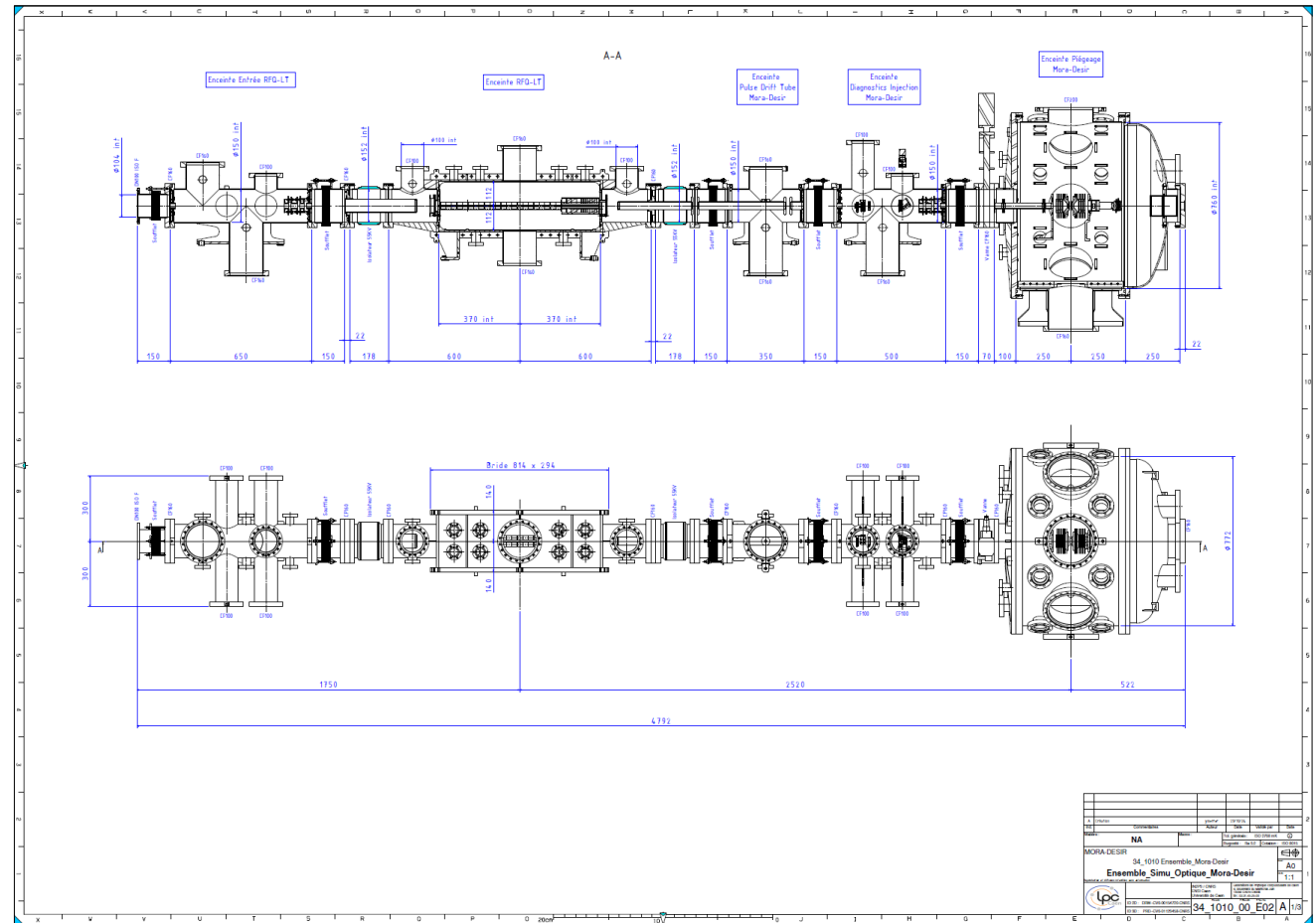
# MORA-Desir - Mechanical conception



Electrodes geometry validated by simulations :

- injection
- RFQ-CB
- Extraction
- PDTs
- MORA paul trap

→ see V. Bosquet talk



**BUNCHER**

$R_0 = 10 \text{ mm}$

RF rods:

$R = 11.3\text{mm}$

$L = 170 \text{ mm}$

## QUADRUPOLE

## E

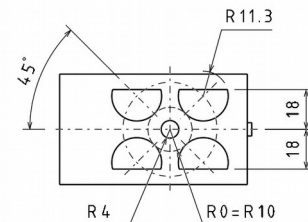
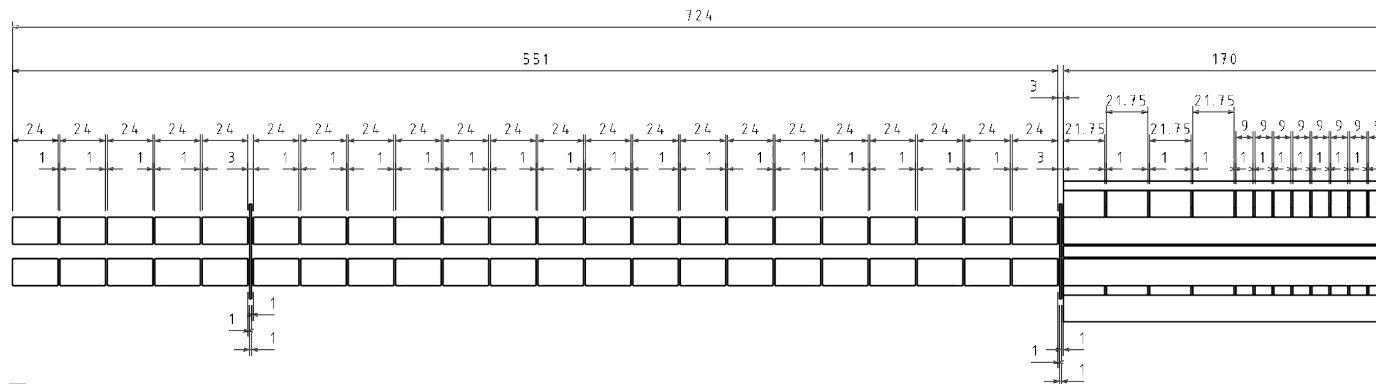
$R_0 = 10 \text{ mm}$

Electrodes :

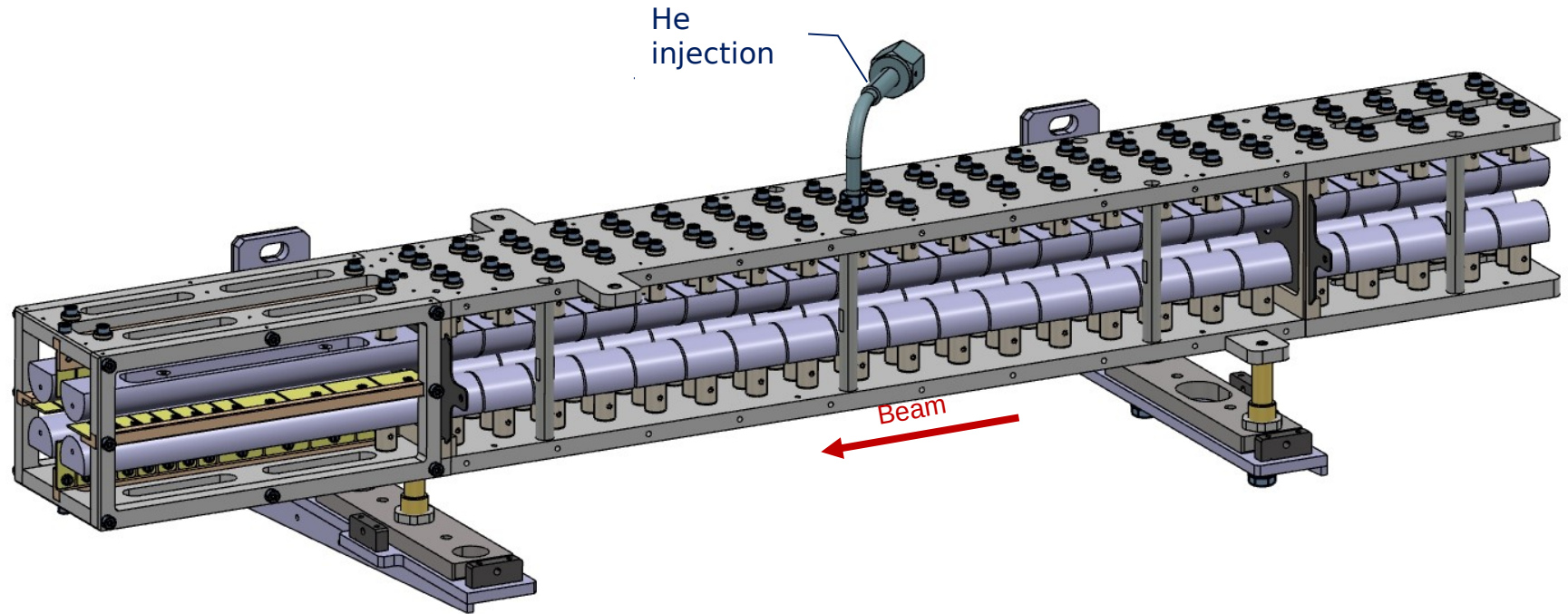
$R = 11.3 \text{ mm}$

$L = 24 \text{ mm}$

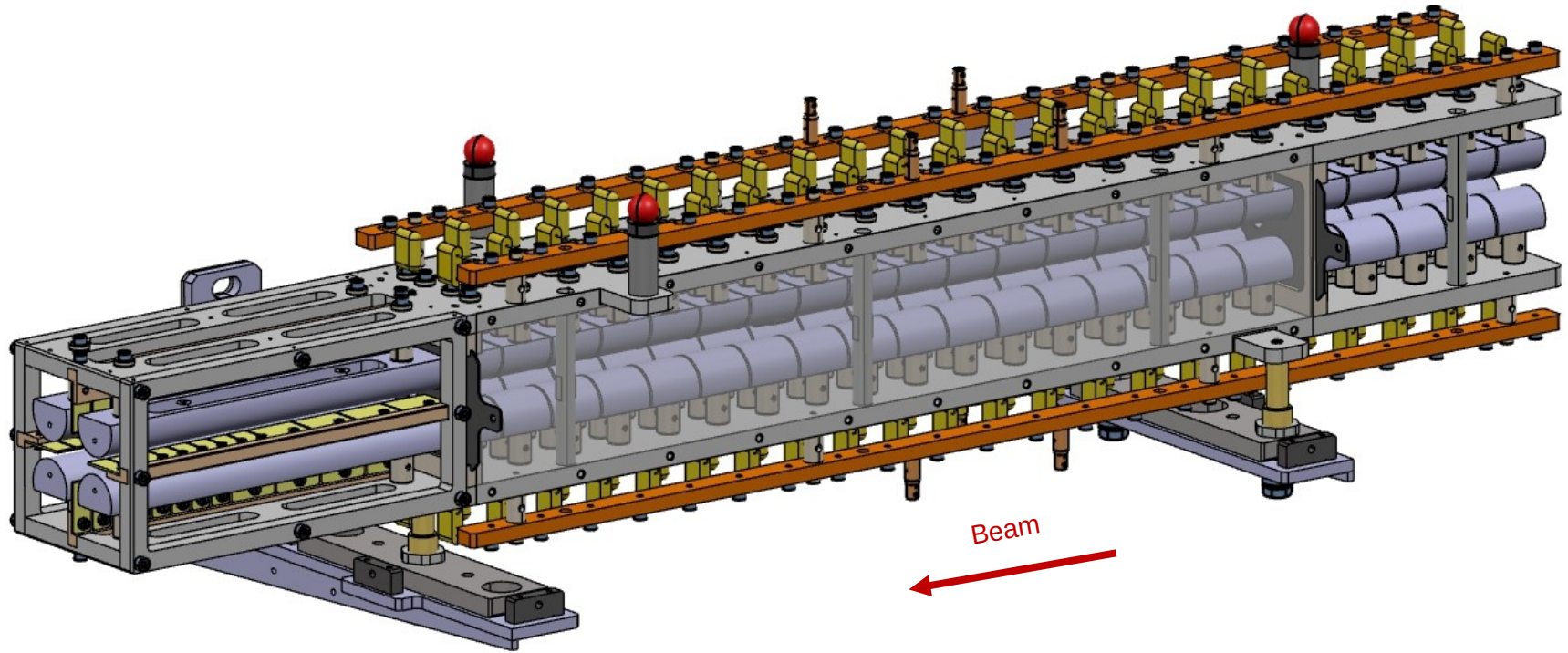
Gap 1 mm

Diaphragme  
01 Ø8Diaphragme 02  
Ø8

# MORA-Desir - RFQ-CB support structure



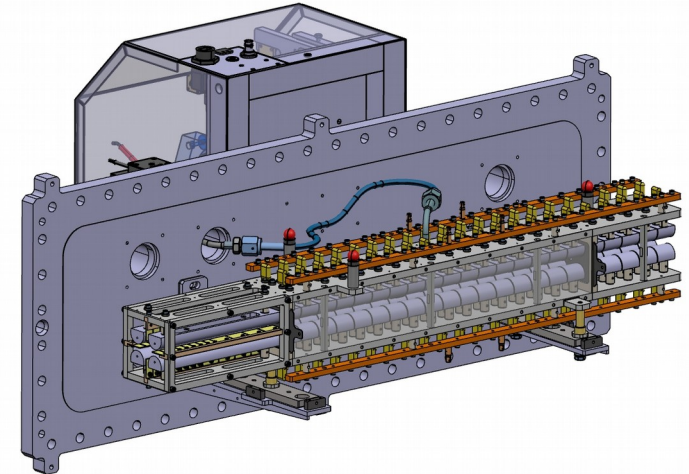
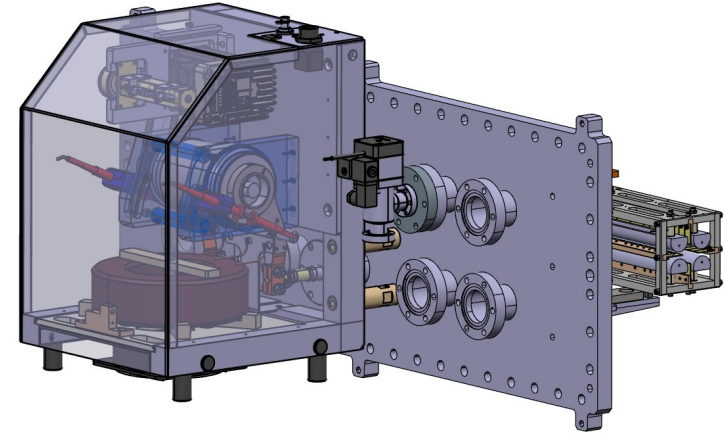
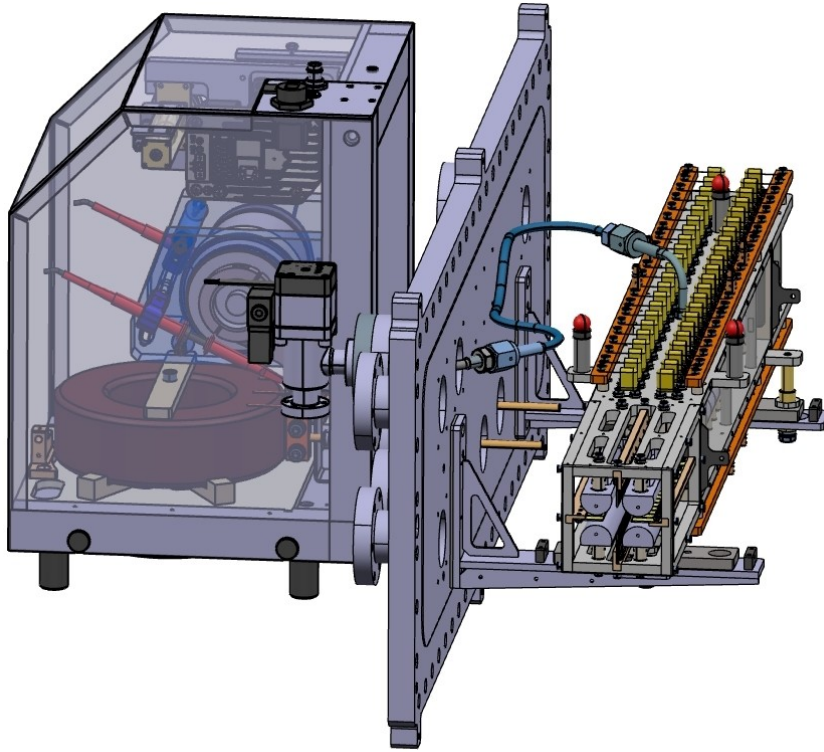
# MORA-Desir - RF Delivery to the RFQ



currently being manufactured (LPC and subcontractors)

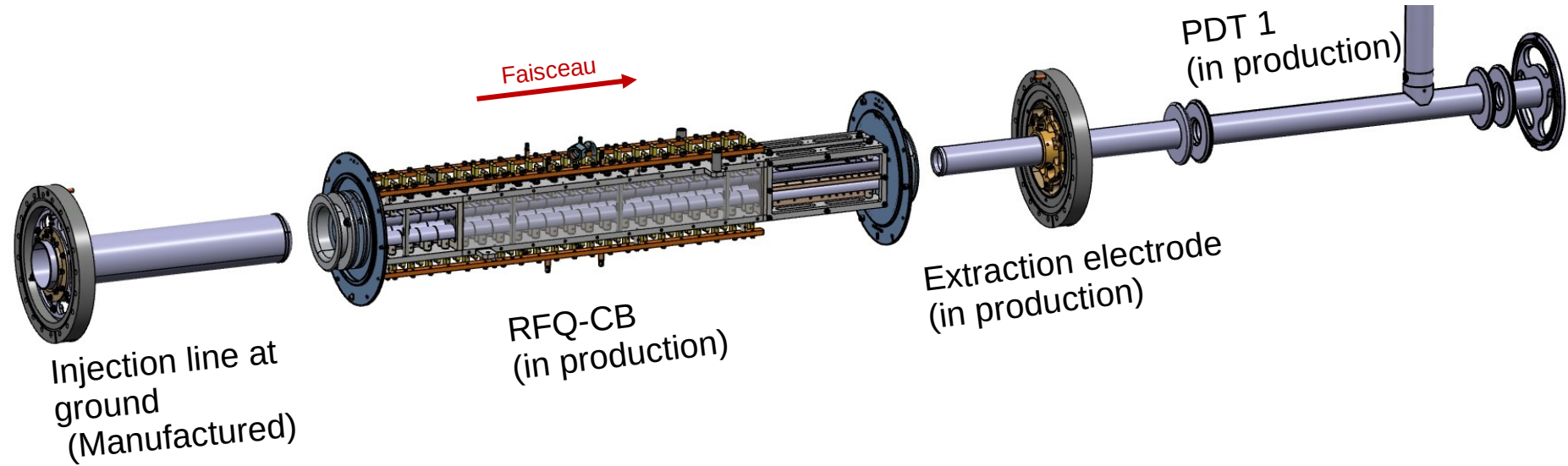


# MORA-Desir - RF Delivery to the RFQ



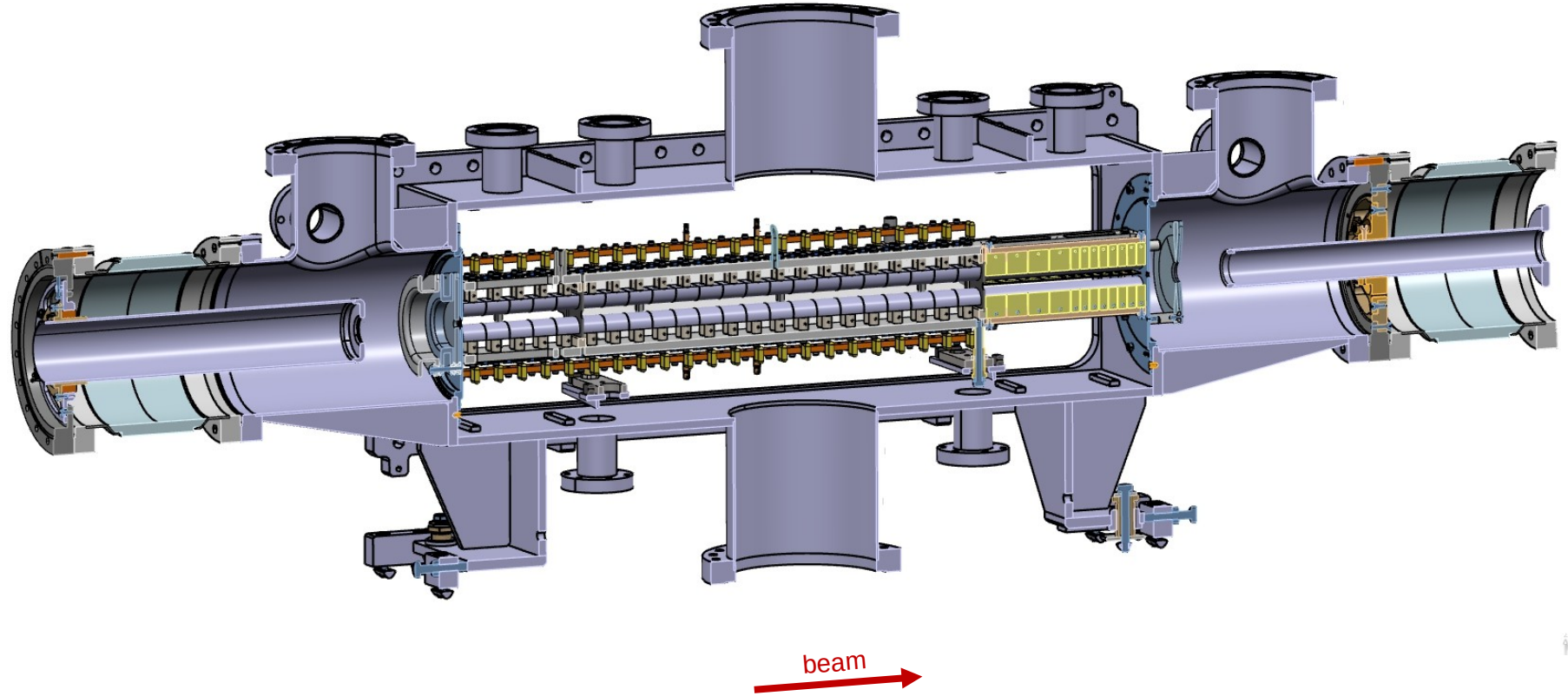
RF System: manufactured  
and assembled

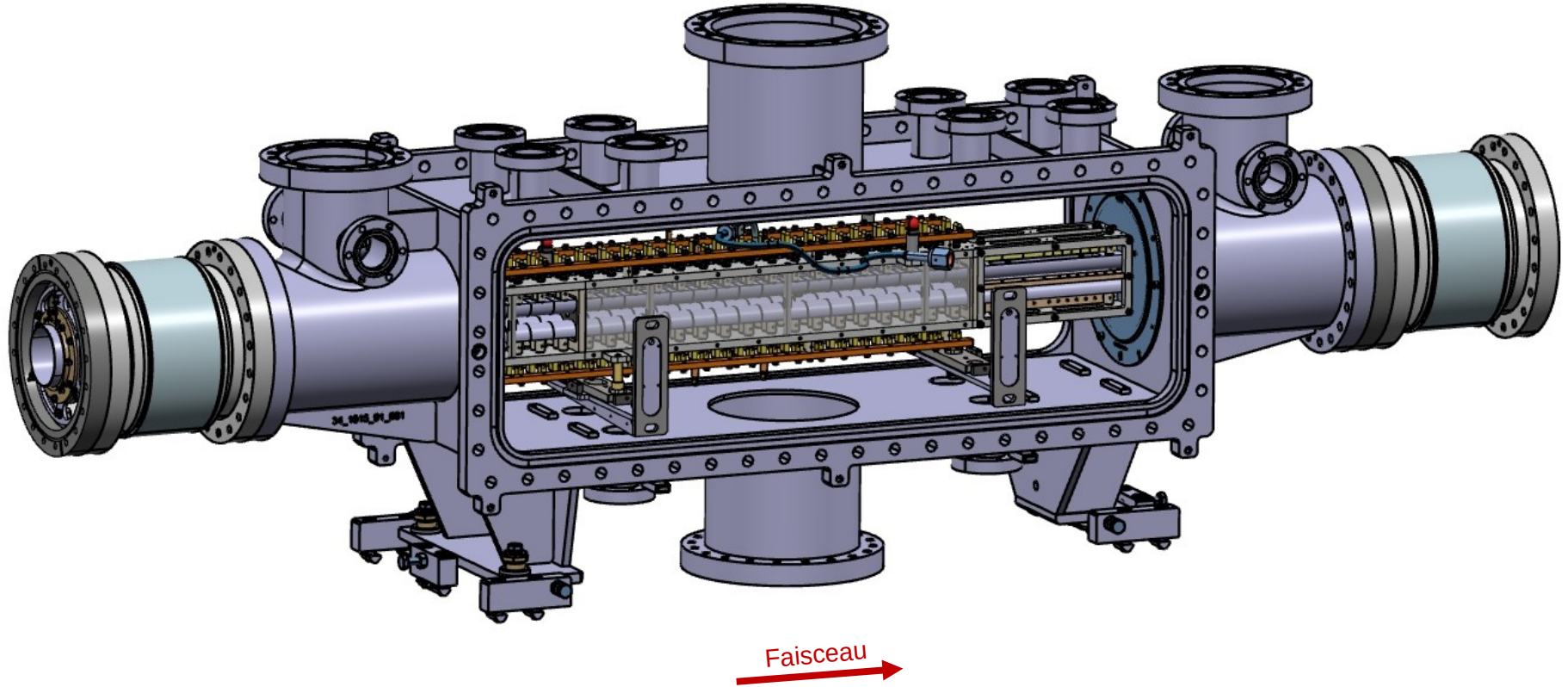
# MORA-Desir - Injection + RFQ-CB + Extraction





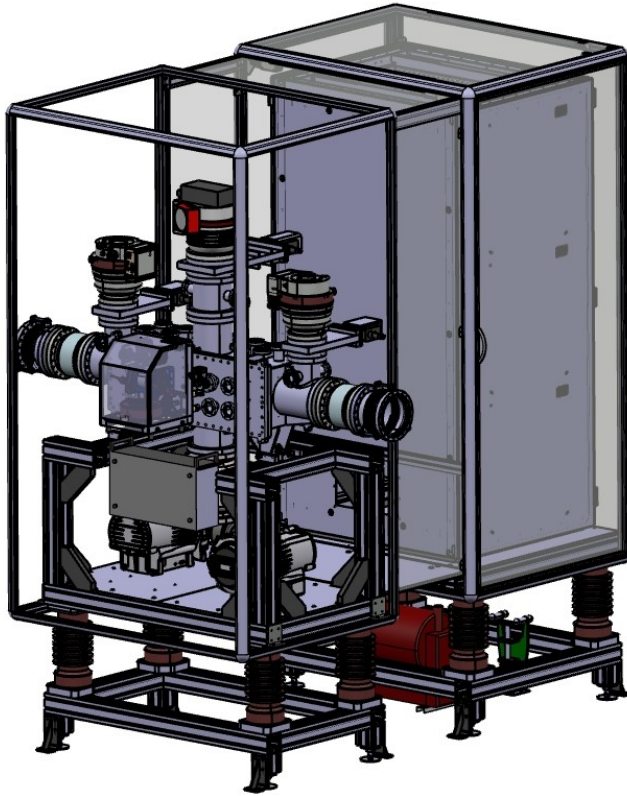
# MORA-Desir - Injection + RFQ-CB + Extraction + vacuum chamber





Vacuum chamber: manufactured and assembled

# MORA-Desir - RFQ-CB high-voltage platform

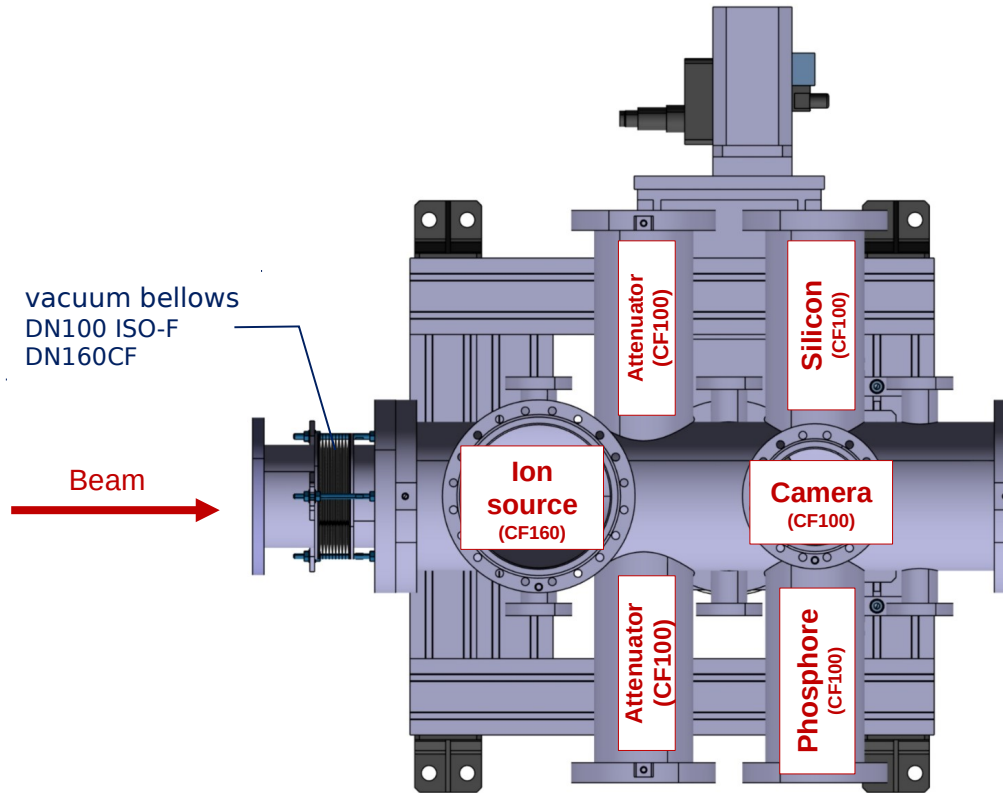


manufactured and assembled  
(except the bay)

HV cages: design to be finalized



# MORA-Desir - Diagnostic and ion source

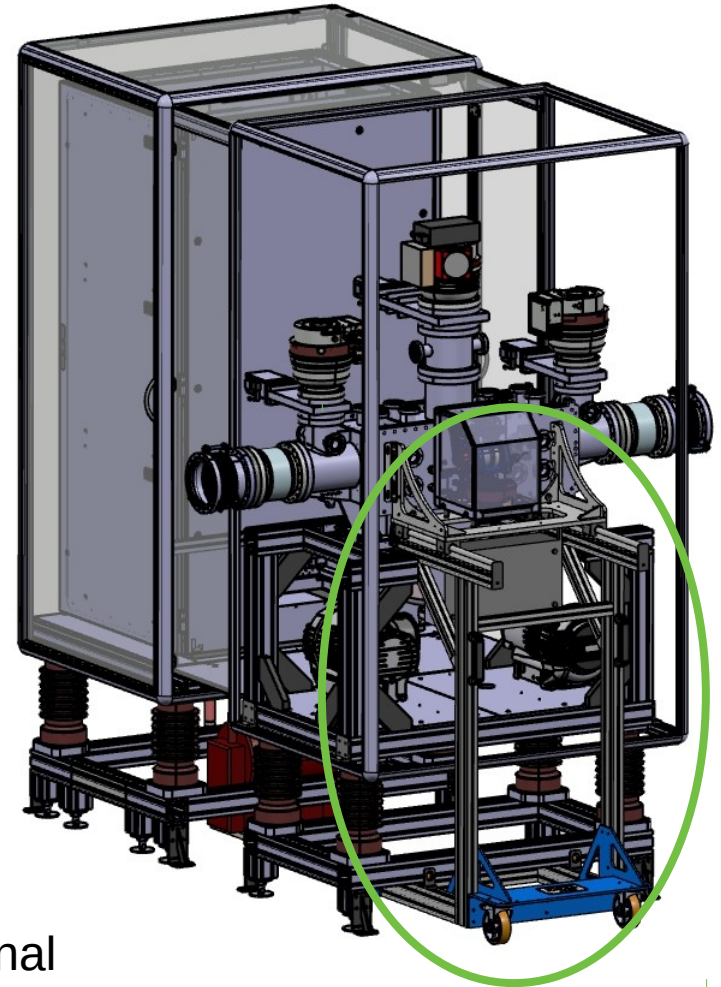
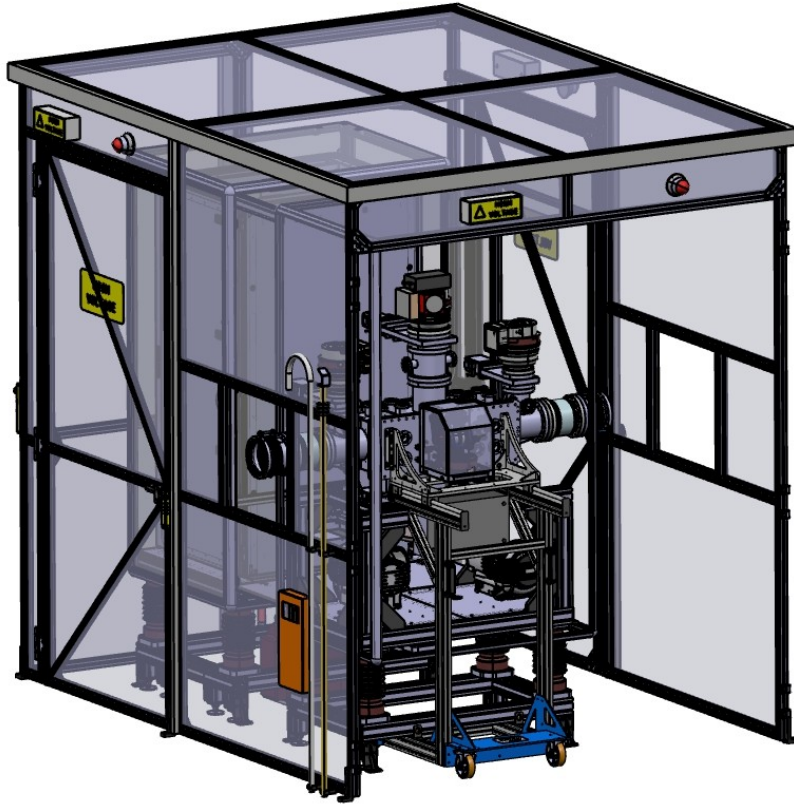


*Diagnostic conception not done yet*

*Diagnostic and source actuators:  
purchases completed*

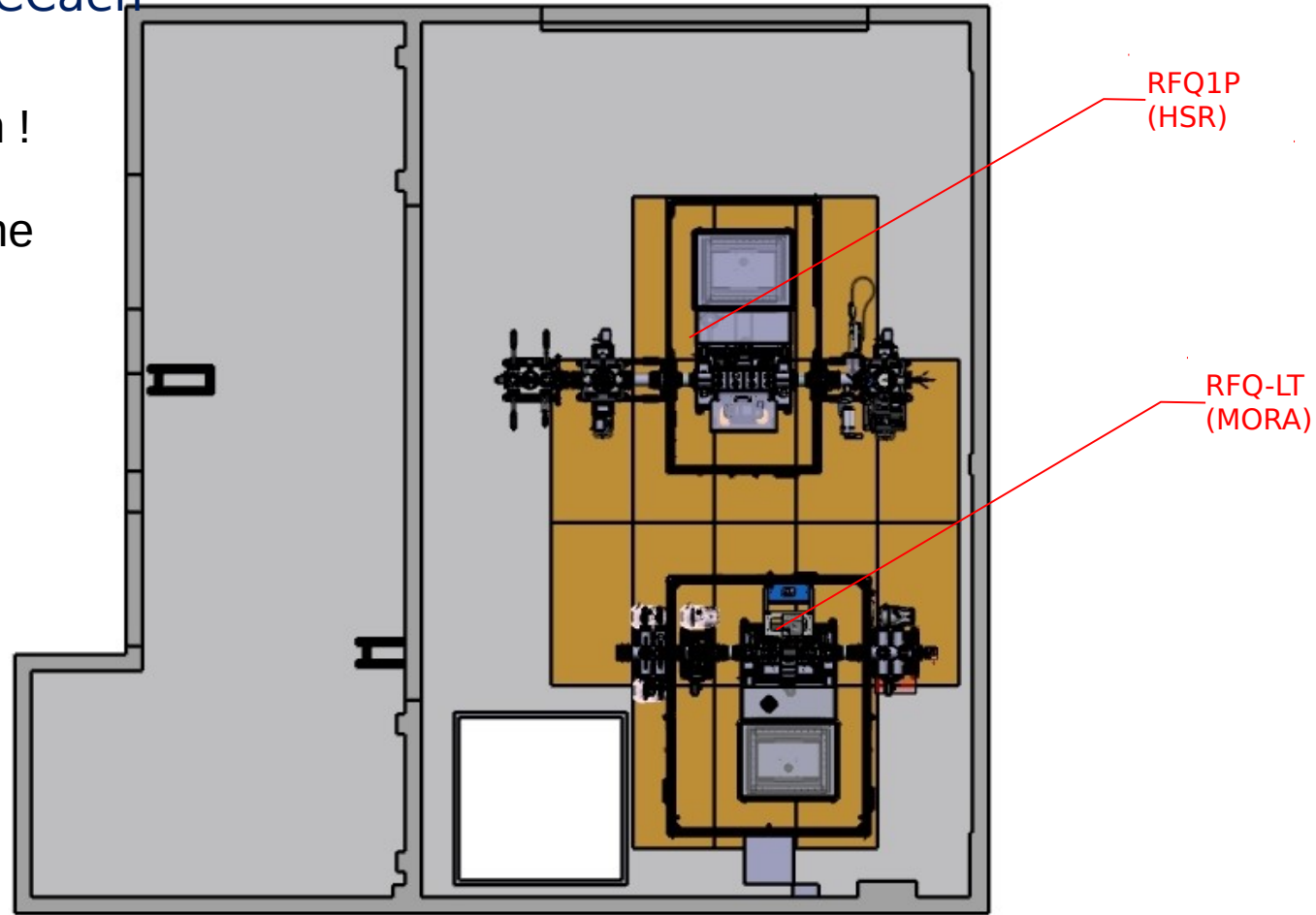


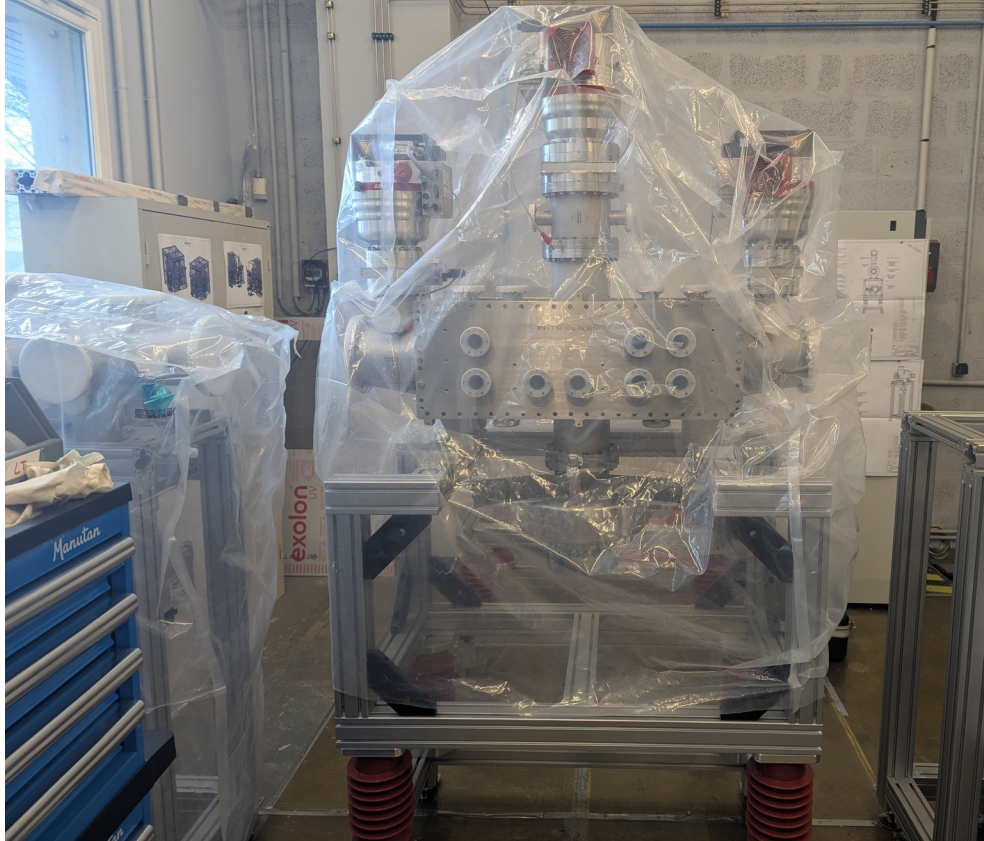
# MORA-Desir - RFQ-CB + RF service cart



Service cart: operational

Space is at a premium !  
Priority is given to the  
RFQ cooler used by the  
HRS of DESIR





Thank you for  
listening