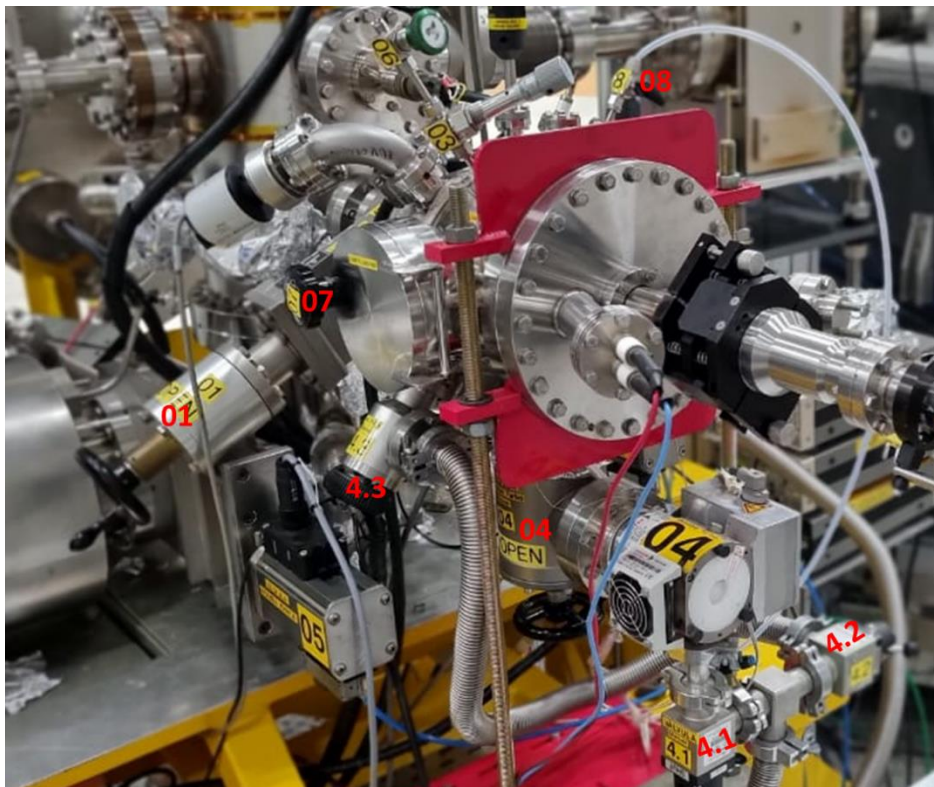


# Load lock venting

V2.0

1. Certify that the valves **01**, **4.3** and **04** are closed;
2. Unlock the door lock **07**;
3. Open the venting valve **08** to introduce N<sub>2</sub>;
4. Wait until the loadlock pressure reaches 1000 mbar
5. Open the load-lock door and remove/insert the sample holder.



# Load lock pumping

V2.0

1. Close the load-lock door **07** and switch off the venting valve **08**;
2. Switch off valve **4.1**, open valve **4.2** and slowly open valve **4.3**;
3. Wait until the pressure reaches  $\sim 1 \cdot 10^{-2}$  mbar;
4. Close valve **4.3** and then switch off valve **4.2**.
5. Switch on valve **4.1** and slowly open valve **04**.
6. Wait until the pressure reaches  $\sim 6 \cdot 10^{-6}$  mbar before transfer.

