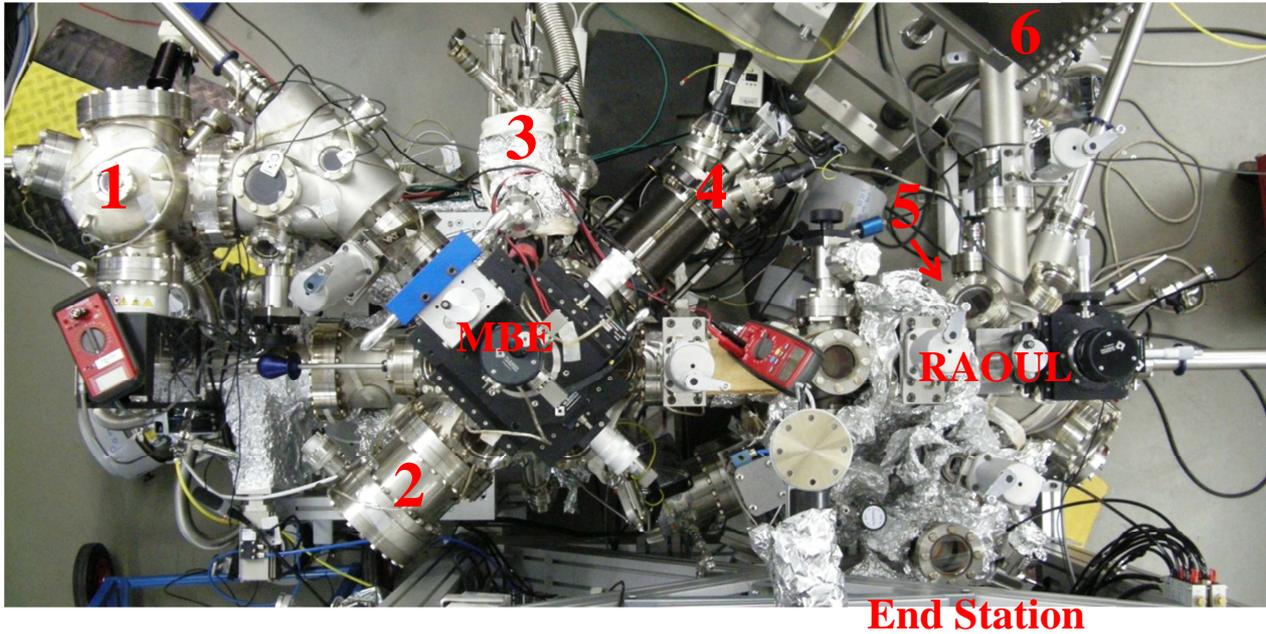


Sample Preparation Chambers Environment

To visualize the geometry of the beamline environment and its “encumbrance”, here is a top view of the experimental floor around the end station:



Preparation:

- 2 electron beam evaporators (Omicron EFM 3) (3)
- 2 Knudsen cells
- 2 effusion cells for organics (5)
- Quartz crystal microbalance
- Surface scratching
- Crystal cleavage

Analysis:

- Auger (4)
- LEED (Low Energy Electron Diffraction) (2)
- STM, variable temperature (50K → 500K) (1)

Treatment:

- Ion sputtering
- Oven 1000°C

Glove Box:

- Inert Atmosphere (<0.5 ppm H₂O, O₂) (6)

