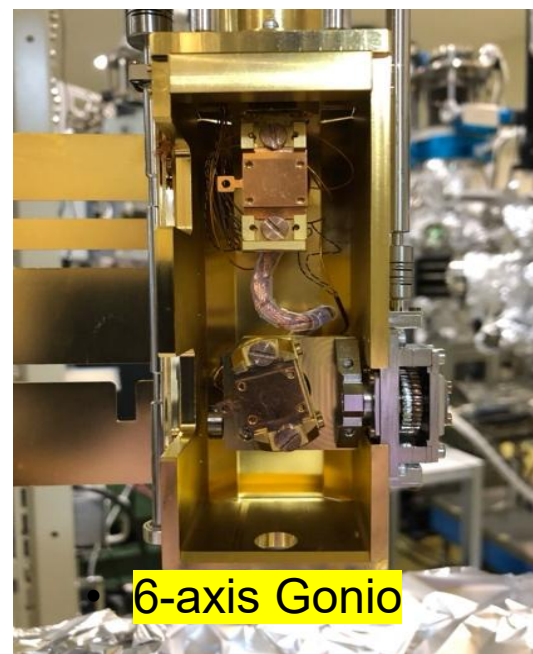


# Angle-resolved photoemission spectroscopy Beamline 7 (BL-7)

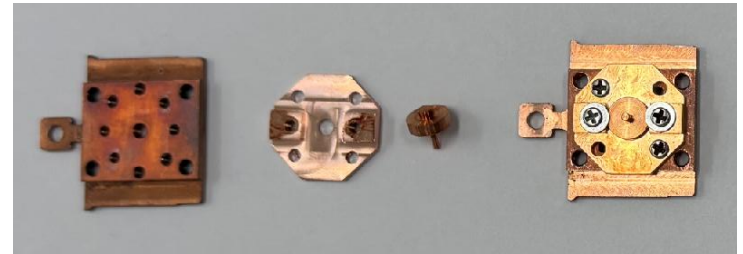
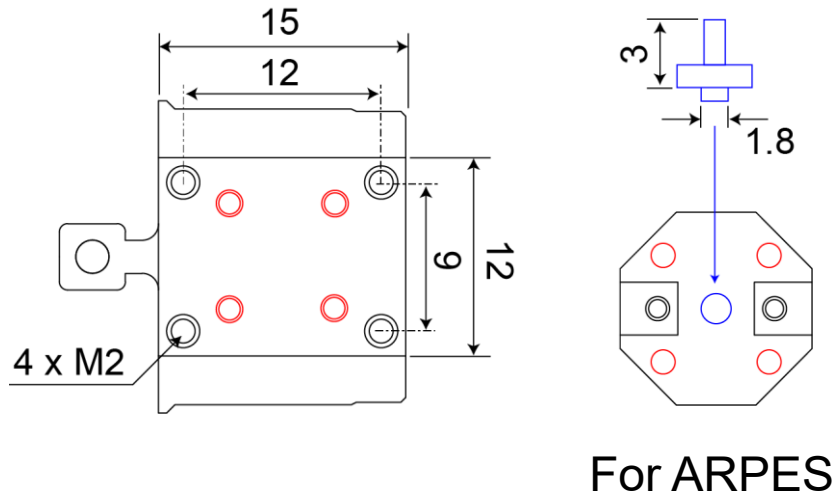


- ❑ Photon energy:  $h\nu \sim 25 \text{ eV} - 400 \text{ eV}$
- ❑ Bending beamline: p-pol.
- ❑ Analyzer: R4000
- ❑ Total  $\Delta E$ :  $\sim 60 \text{ meV}$  ( $h\nu = 50 \text{ eV}$ )
- ❑ Temperature: 10 K – 400 K
- ❑ Sample holder: Omicron type
- ❑ Surface treatment: Cleavage, Spattering, Annealing etc.
- ❑ LEED/Auger is available

- ❑ 6-axis sample manipulator
  - Polar:  $-7 \text{ deg} \sim +55 \text{ deg}$
  - Tilt:  $-50 \text{ deg} \sim +50 \text{ deg}$
  - Azimuth: free (by hand)
- ❑ Fresh Au plate for energy calibration is prepared

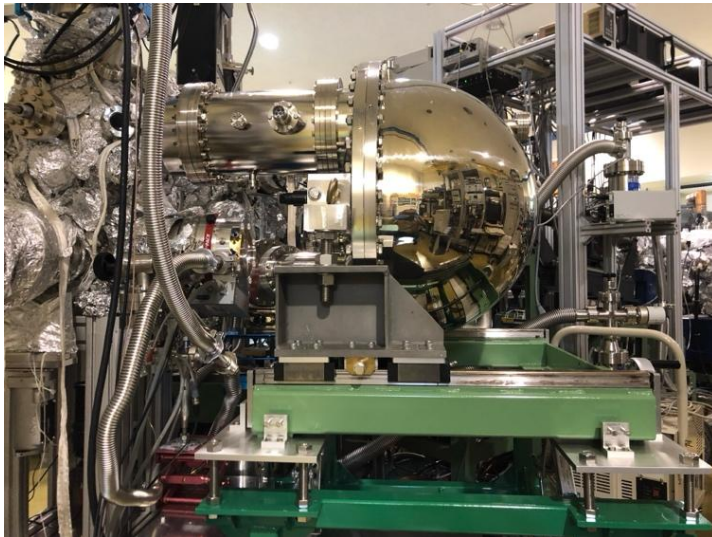
**For measurements of the  
electronic structure of solids!**

## Sample holder: Omicron type



Up to 4 holders can be installed at the load lock at BL-7.

## Analyzer: R4000



Synchrotron radiation

