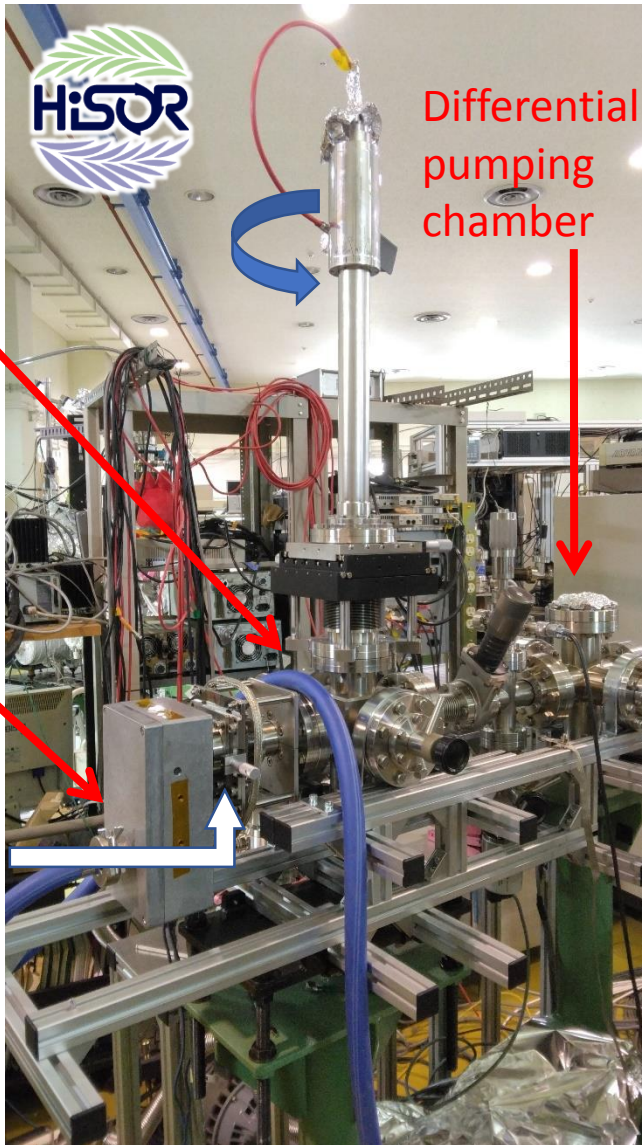


Soft x-ray absorption spectroscopy for solid and (liquid) Beamline 6 (BL-6)

High
vacuum
chamber
for solid

Low
vacuum
chamber
for liquid

Ultra-thin
SiN X-ray
window



- ❑ Light Source : Bending Magnet
- ❑ Monochromator : VLS-PGM
- ❑ Photon energy : $h\nu \sim 200 - 1000$ eV
(G1:200 – 500 eV, G2:400 – 1000 eV)
- ❑ Resolving power :
 $E / \Delta E$ (with $S2 = 10 \mu m$) =
5000 (Ar_L), 6400 (N_K), & 4600 (Ne_K)
- ❑ Analyzer : Absorption measurements
by drain & total fluorescence yields
- ❑ Sample :
Rotatable sample holder
for **solid** & **powder**
Encapsulated cell for **liquid**
(in preparation)

**For NEXAFS measurements
of solids & (liquid) !**