### 実験技術

# Nanoscale soft X-ray





# Angle-resolved photoelectron spectroscopy (ARPES)

## High energy-resolution micro-beam ARPES is available

#### **Beamline properties**

- Soft X-ray ARPES with wide energy range in 50-1000 eV
- High flux beam with high energy-resolution  $E/\Delta E > 50,000$  @ 65 eV
- Detailed electronic structure analysis in few-meV scale in term of ARPES measurement
- Electronic and magnetic state analysis using linearly and circularly polarized beam
- (\*) In Future, spin-resolved ARPES measurements with spatial-resolution of ~100 nm will be available.

#### **Methods**

- 1. High energy-resolution ARPES
- 2. Resonant ARPES
- 3. Polarization-dependent ARPES

