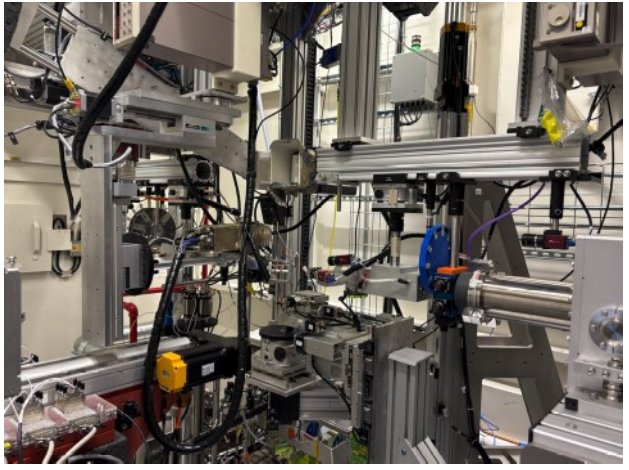
8-ID

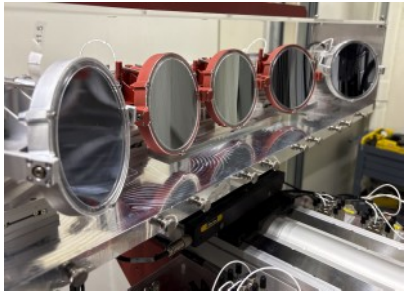
ISS

Science program at ISS

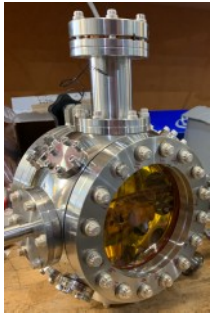
High-flux, high energy resolution beamline



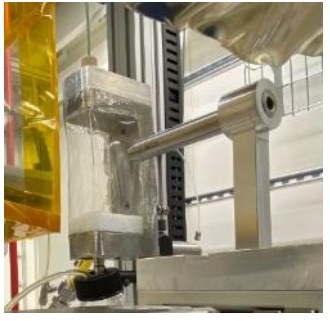
Back spherical analyzer and von Hamos high energy resolution spectrometers

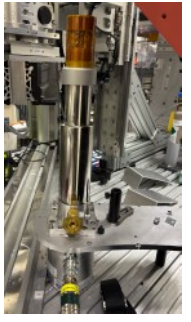


Sample environments for heterogeneous and electro-catalysis and materials growth



Cryostats and jet sample delivery for ultrasensitive samples





…and more

High pressure gas delivery
Large sample stage
32-element Fluorescence detector

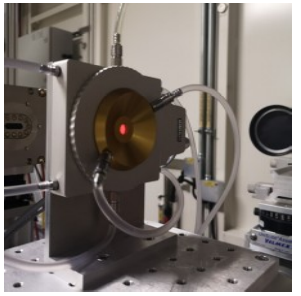
7-BM
QAS

Science program at QAS

Combined X-ray absorption and diffraction

For battery research

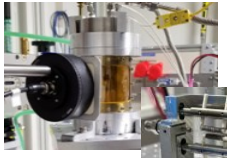
Potentiostat for battery cycling

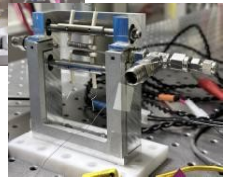


RT-1500°C for electrode material synthesis

Combined transmission XAS/DRIFTS

Portable gas cart and reactors for catalysis





New capabilities under development

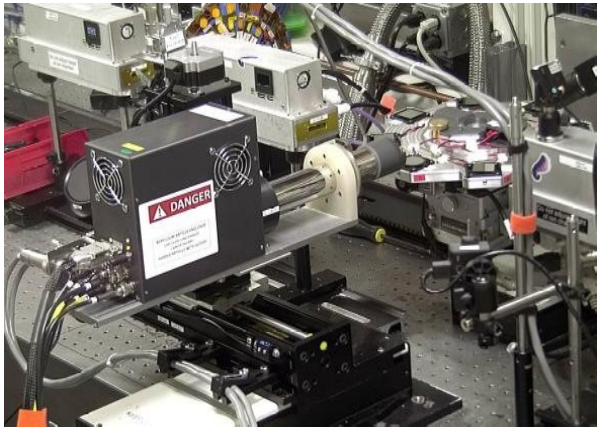
- Combined fluorescence XAS/DRIFTS
- New gas handling system and mass spec for catalysis experiments
- PandAbox for fast flyscanning

6-BM

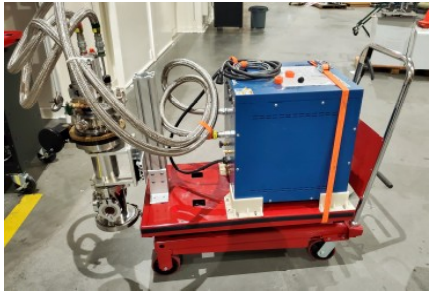
BMM

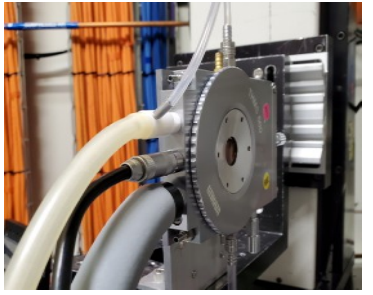
Science program at BMM

High throughput glancing angle stage for thin films and surface studies.



Cryostats





He compression
10K – 400K

Liquid N2
80K – 850K

Radiological and transuranic science

6-channel BioLogic Potentiostat

New capabilities under development

- Electron yield
- FASST-CAT
- Resonant reflectivity
- Multi-modal, multi-beamline