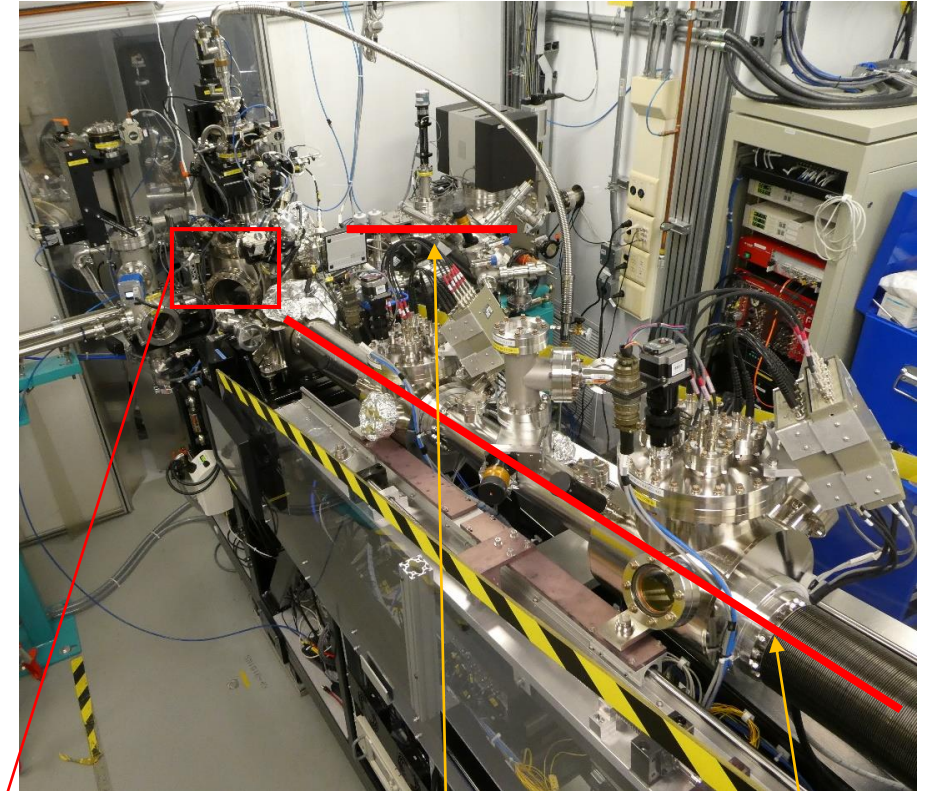


Resonant Inelastic X-ray Scattering (RIXS) Endstation

Vacuum	$\approx 5 \times 10^{-9}$ Torr
Sample Stage	XYZ Stage w/ Theta Rotation
Sample Temperature	80 – 375 K
Detectors	<ul style="list-style-type: none">- Primary Silicon Drift Detector (SDD): 150 – 2500 eV- Secondary SDD: 150 – 2500 eV- Rowland Circle Grating Spectrometer: 60 – 1000 eV- VLS Grating Spectrometer: 70 – 600 eV (Construction)- Optical Spectrometer: 190 – 1100 nm
Sample Environment	<ul style="list-style-type: none">- Static Magnetic Field
Techniques	<ul style="list-style-type: none">- X-ray Emission Spectroscopy (XES)- X-ray Absorption Spectroscopy (XAS)- X-ray Magnetic Circular Dichroism (XMCD)- X-ray Excited Optical Luminescence (XEOL)



Compact VLS Grating Spectrometer
(Under Construction)

Rowland Circle Grating Spectrometer
(Main High Resolution Spectrometer)

532 nm @ 0.9mW Laser

Optical Spectrometer Feedthrough

Silicon Drift Detectors

