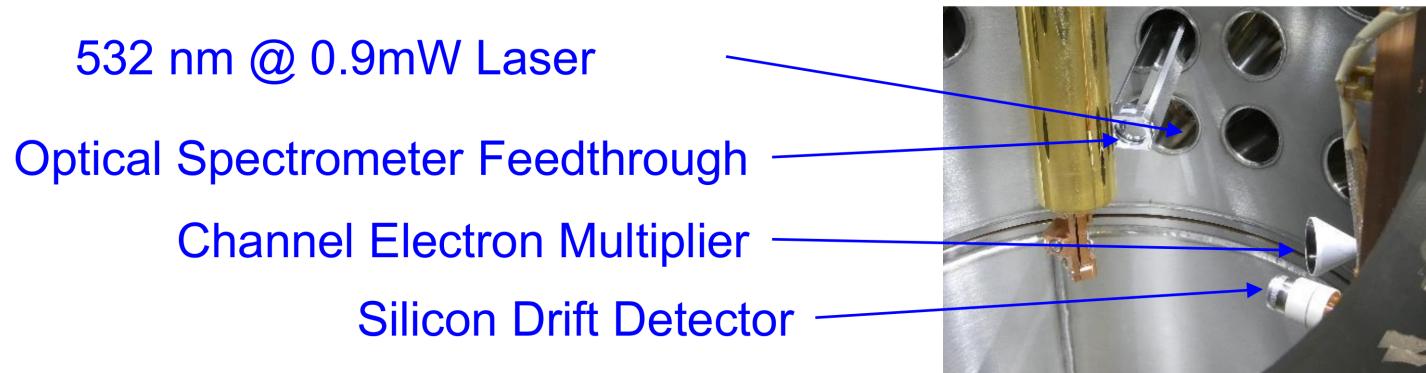
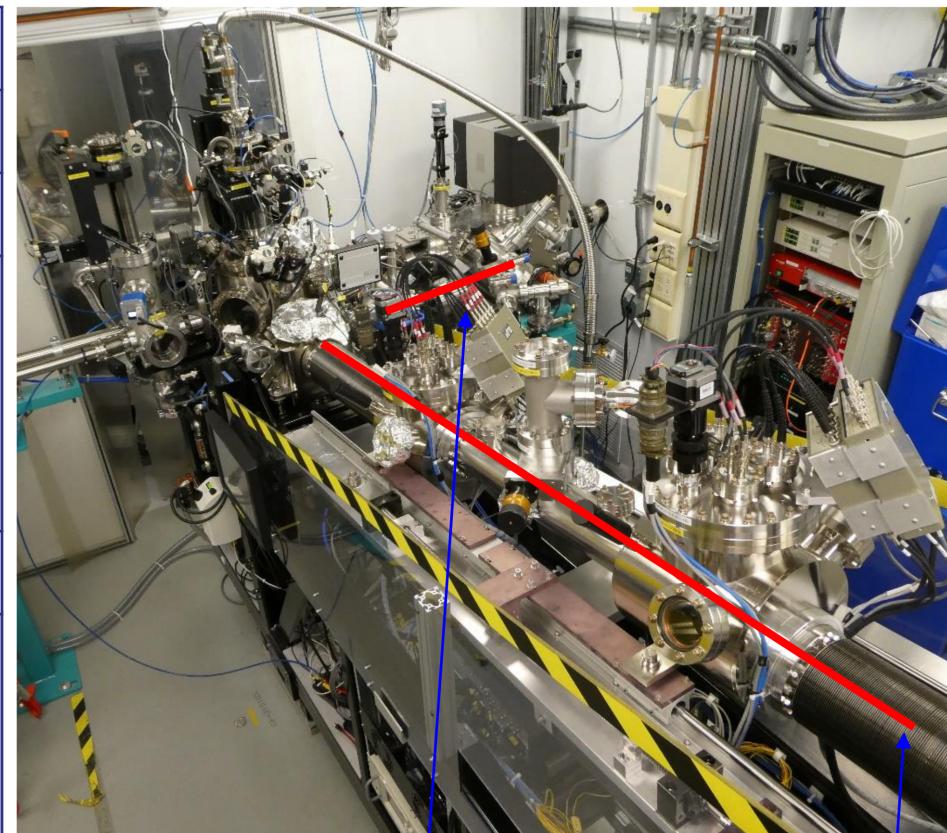


# Resonant Inelastic X-ray Scattering Endstation (RIXS)

Vacuum	$\approx 1 \times 10^{-9}$ Torr
Sample Stage	XYZ Stage w/ Theta Rotation
Sample Temperature	30 – 420 K
Detectors	<ul style="list-style-type: none"><li>- Silicon Drift Detector: 250 – 2500 eV</li><li>- Rowland Circle Grating Spectrometer: 60 – 1000 eV</li><li>- VLS Grating Spectrometer: 70 – 600 eV (Construction)</li><li>- Channel Electron Multiplier</li><li>- Optical Spectrometer: 190 – 1100 nm</li></ul>
Sample Environment	<ul style="list-style-type: none"><li>- Static Magnetic Field</li></ul>
Techniques	<ul style="list-style-type: none"><li>- X-ray Emission Spectroscopy (XES)</li><li>- X-ray Absorption Spectroscopy (XAS)</li><li>- X-ray Magnetic Circular Dichroism (XMCD)</li><li>- X-ray Excited Optical Luminescence (XEOL)</li></ul>



532 nm @ 0.9mW Laser  
Optical Spectrometer Feedthrough  
Channel Electron Multiplier  
Silicon Drift Detector

Compact VLS Grating Spectrometer  
(Under Construction)

Rowland Circle Grating Spectrometer  
(Main High Resolution Spectrometer)

