

Development of X-Ray Microscope at Ritsumeikan University Synchrotron Radiation Center

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Both CZP and OZP positions were accurately regulated by high performance stepping motors, which is the first step of automatically controlled station. These enable high resolution, element-specific imaging of specimens which have an absorption edge around water window X-ray wavelength region. In addition, a sample stage was also designed more suitable for an observation of biological samples. At the conference, details of the improved system will be reported. This is the first step of developing of a user-friendly X-ray microscope beamline at Ritsumeikan University.