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## **The current status of SAXS beamlines at SPring-8**

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SPring-8 is a third generation synchrotron radiation facility which locates in Hyogo, Japan. It was opened in 1997 to industrial and academic users, domestic and international. The 56 beamlines are currently operating and one beamline is planned. Many beamlines and experimental stations of them is used for SAXS/D and WAXS/D technique to structure biology, material science and material engineering. We would like to introduce the current status of the following typical SAXS beamlines at SPring-8.

### BL03XU Advanced Softmaterial Beamline

Microbeam and time-resolved SAXS/WAXS measurement to clarify the hierarchical and heterogeneous structure of polymer materials to industrial and academic contract members.

### BL19B2 Engineering Science Research I Beamline

Small angle X-ray scattering (Ultra-small angle scattering) using an automatic sample changer to industrial users.

### BL40XU High Flux Beamline

Time-resolved high flux X-ray diffraction and scattering, microbeam X-ray diffraction and scattering to industrial and academic users.

### BL40B2 Structural Biology II Beamline

Noncrystalline small and wide angle X-ray scattering, ASAXS to industrial and academic users.

### BL45XU RIKEN Structural Biology I Beamline

Time-resolved structures of non-crystalline biological material such as protein, nucleic acid solution, membrane, muscle, and micelle system under various conditions, are studied by using small angle scattering and diffraction technique to academic users.