

XFEL/SPRING-8 CONSTRUCTION AND SCSS OPERATION STATUS

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Abstract

XFEL/SPring-8 construction was started in 2006, aiming at generating X-ray laser at 1 Angstrom. The building construction was completed in April 2009, followed by installation of accelerator components. In March 2010, we completed all accelerating structure installation. The klystron modulator and LLRF systems are under installation. We use 19 undulator of in-vacuum type (5 m each). At this moment 10 undulators have been installed and careful qualification of undulator field is carried out. We will start high power processing in this October, and we will send the first electron beam into beam dump before April 2011, followed by beam commissioning for X-ray lasing.

**CONTRIBUTION NOT
RECEIVED**