

FEL development at SPring-8

Présenté par Toru HARA (SPring-8)

**Lundi 18 février 2008 à 14h00
Amphithéâtre SOLEIL – Bâtiment central**

The XFEL is now under construction at SPring-8 and it will be completed in 2010. The most important feature of the XFEL/SPring-8 is its size. Many technologies are adopted in order to realize 0.1 nm lasing using 8 GeV electron beams. Owing to this low beam energy and short period undulators, the facility size is reduced to only 700 m including the experimental hall.

Ahead of this X-ray project, the SCSS (SPring-8 Compact SASE Source) facility was build as a test and development tool of the components used in the XFEL. In September 2007, the SASE saturation was obtained at the wavelengths 50~60 nm and the SCSS has been also opened to users as a EUV source. For the next generation FEL, the seeding experiments have been started on the SCSS in order to improve the coherence of the FEL light.

In the seminar, the current FEL activity at SPring-8 will be presented.

Formalités d'entrée : accès libre dans l'amphi du Pavillon d'Accueil. Si la manifestation a lieu dans le Grand Amphi Soleil du Bâtiment Central, merci de vous munir d'une pièce d'identité et de prévenir le secrétariat en charge de l'événement.

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