Réunions scientifiques

Séminaires

Séminaire SOLEIL

Overview of Scientific Programs at National Synchrotron Light Source II

SHEN Qun

(NSLS-II, Brookhaven National Laboratory,Upton, USA)

Lundi 13 septembre à 14h00
Grand Amphi SOLEIL

Invité par Mourad IDIR

NSLS-II is a highly optimized third-generation synchrotron facility that will provide excellent brightness and flux as well as exceptional beam stability over a broad range of photon energies from infrared to hard x-rays. NSLS-II will accommodate at least 58 beamlines, including using 27 straight sections for insertion device sources and at least 31 bending-magnet or three-pole-wiggler sources, with additional beamlines possible through canted insertion devices and multiple branches. Plans are underway to develop significant number of beamlines at NSLS-II in the next few years. These Beamlines together with the six NSLS-II project beamlines are expected to provide a significant scientific capacity at the beginning of NSLS-II operations to allow the exploration of the unique scientific opportunities offered by the new facility, as well as support the wide ranging research programs represented by the existing NSLS user community. In this talk, I will describe the current status of the NSLS-II project, an optics R&D program for high-resolution materials studies, the initial suite of beamlines and the associated scientific programs, and the development of the additional experimental facilities in support of user science.

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 (à échanger à l'accueil contre un badge d'accès).*

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