

Vacuum systems for light sources in KEK

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Lundi 3 mars 2008 à 13h30
Amphithéâtre SOLEIL – Bâtiment central

There are two light sources running in KEK. One is the PF (Photon Factory, 2.5GeV) and the other is the PF-AR (Photon Factory Advanced Ring, 6.5GeV). Both of them were constructed in the early 1980s and underwent major reconstruction in the 2000s. Each reconstruction involved large scale renewal of the vacuum system, including the greater part of vacuum chambers, their related vacuum components, and the vacuum control/interlock system. Although we had some operational problems, overall both of the vacuum systems have been running satisfactorily. Meanwhile, we started the design of a small ERL-based light source named the compact ERL (cERL, 60-200MeV), the test facility for our future 5GeV-class ERL-based light source. Not only the vacuum systems for above these facilities but also brief introduction of current status of running accelerators and also future plans in KEK 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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