

Memorials 2014



April 14-20, 2014 Open House of PF in Science & Technology Week

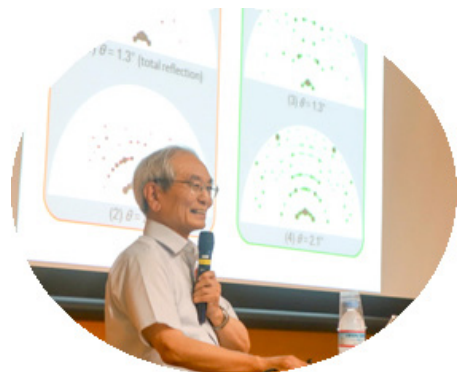


The open house of KEK Tsukuba was held, and 570 visitors joined a tour of Photon Factory.



June 7, 2014 KEK Open Seminar: “The Cutting Edge of Science using Positrons”

Professor Toshio Hyodo (Institute of Materials Structure Science, KEK) gave a lecture entitled “Positrons: the useful antiparticle, from diagnosis of cancer to structural analysis of solid surfaces”



July 11-12, 2014 PF Workshop “Science Performed by XAFS Experiments at the Next Light Source”



This PF workshop was held on July 11-12 at the Seminar Hall, 4th building. The invited speakers gave special talks on their research areas and prospects. Following topics were actively discussed; improvements in temporal and spatial resolution, operando measurements, observation of complex systems, new material development, heterogeneity, and surface/interface phenomena.



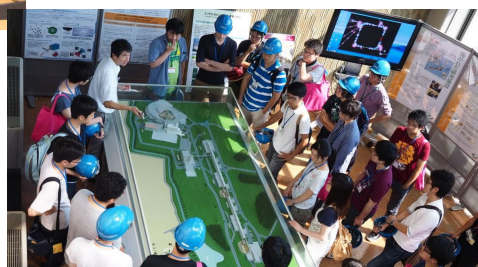
August 15-17, 2014 1st Training Course on Symmetry and Group Theory

These training courses were held for 3 days at KEK, Tsukuba to celebrate the International Year of Crystallography. The course was designed for researchers and students in order to improve their knowledge on symmetry and group theory in crystallography. The training program consisted of lectures and exercises. All lectures were given by Prof. Massimo NESPOLO, University of Lorraine. 2nd training course was held on March 9-13, 2015.



August 19-27, 2014 Summer Challenge

The 8th summer school on “Particle and nuclear physics” and “Material and biological science” was held at KEK. About 80 undergraduate students from 39 universities attended this school, which included lectures, students’ presentations, and facility tours.



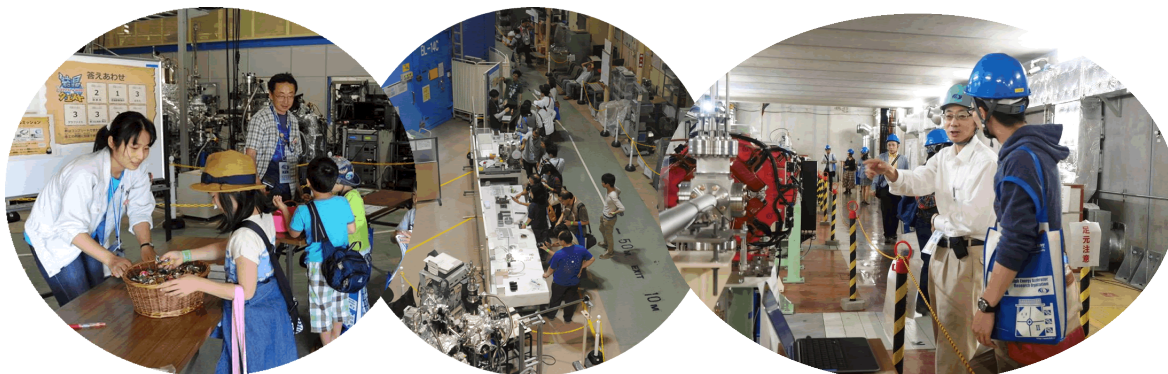
September 11, 2014 PF Workshop “Industrial Applications of Synchrotron X-Ray Imaging”

The first PF workshop on the industrial applications of SR imaging was held at KEK, Tsukuba. Over 50 researchers including private-sector researchers participated and actively discussed the industrial applications of conventional and phase-contrast imaging, topography, X-ray imaging detectors, and microscopes.



September 13, 2014 Open House

The open house of KEK Tsukuba was held and attracted about 3,500 visitors. They enjoyed special lectures on various topics and special events on the latest science concerning materials, biology and accelerators.



November, 2014

Installation of the Laser Compton Scattering X-Ray Beamline in cERL

The construction of the laser Compton scattering X-ray beamline and the production of X-rays were one of the most important activities of the cERL, which was a collaborative effort between KEK and JAEA. In November, the key component of the laser system was installed at the interaction point of the cERL accelerator, and the experimental station was completed in December 2014.



December 4-5, 2014 XAFS Short Course

To acquire new users, a short course on XAFS was held at the PF, including lectures and beamline practice during the two days. The 24 participants were mainly researchers from private companies.



December 6-7, 2014 Summer Challenge: Experimental Session

The students who had participated in the summer challenge in August joined this experimental session on the use of synchrotron radiation X-rays in the PF and PF-AR facilities.



February, 2015

Renewal of the Undulators for BL-13 and BL-28

New undulators (U#13 and U#28) were installed at BL-13 and BL-28, enabling these beamlines to provide bright light in the VUV-SX region with various polarizations.



February 17, 2015

Construction Team of the Compact ERL Received SUWA Award



The construction team of the compact ERL received the SUWA Award in 2014 presented by the Foundation for high energy Accelerator Science (FAS), Japan for their efforts to develop fundamental ERL accelerator technologies and investigative studies. This award is given to researchers, engineers, and teams who have contributed to the development of accelerator science.

February 18, 2015

Workshop on Chocolate Science

This workshop was held at six locations in Tsukuba and other areas and attracted many children and adults. Through experiments, participants learned and experienced how the molecular structure (polymorphism) of chocolate determines its taste.



March 17-18, 2015

The 3rd IMSS Science Festa

The 3rd IMSS Science Festa was held at Tsukuba, Japan in a joint conference with the 6th MLF symposium and the 32nd PF symposium, and was attended by about 570 participants from universities and research institutes from all over Japan. The main purpose of the conference is to promote complementary use of four types of quantum beams: synchrotron light, neutrons, muons and slow positrons offered by IMSS, KEK.

