

**LEPS2000**  
**International Workshop on Laser Electron Photons at SPring-8**

International Workshop on Laser Electron Photons at SPring-8, LEPS2000, was held at the Public Relations Center of SPring-8 from October 14 to 15 in 2000 as a pre-symposium of SPIN2000, the 14th International Spin Physics Symposium. LEPS2000 was hosted by Research Center for Nuclear Physics (RCNP), Osaka University and Japan Synchrotron Radiation Research Institute (JASRI)/SPring-8. A multi-GeV photon beam line dedicated to particle and nuclear physics experiments has recently been constructed at SPring-8. The photon beam is produced by means of laser-induced backward-Compton scattering from 8 GeV electrons in the storage ring. We call it LEPS, "Laser-Electron Photons at SPring-8". The new facility providing a polarized photon beam of good characteristics started operation and the first test experiment of  $\phi$  photo production was conducted by utilizing a linearly polarized LEPS beam at 2.4 GeV. We took this occasion to organize the workshop LEPS2000.

The purpose of this workshop was to discuss new ideas in quark-nuclear physics and many possibilities for experimentation with laser-electron photons in a wide energy range from MeV to several GeV. The subjects discussed in the workshop were:

1. Quarks and Gluons with GeV Photons
2. Hadrons in Nuclei with GeV Photons
3. Nuclear Excitations with Photons
4. Astronuclear Physics with Photons
5. Technical Development of Laser-Electron Photons

There were 50 registered participants including 8 from foreign countries and several dropping-in scientists of SPring-8. We would like to express our sincere thanks to all the speakers and the participants for their stimulating talks and discussions. We are deeply indebted to Prof. H.Ejiri, Spring-8 consultant, for his advice and encouragement.

**Workshop Organizers :**

(RCNP)	(JASRI/SPring-8)
H. Shimizu,	N. Kumagai
M. Fujiwara,	S. Daté
M. Yosoi,	H. Toyokawa

**Host Institute :**

Research Center for Nuclear Physics (RCNP), Osaka University  
Japan Synchrotron Radiation Research Institute (JASRI)/SPring-8