The 8th CNS-EFES Summer School (CNS-EFES09)

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The 8th CNS-EFES International Summer School (CNS-EFES09) was organized jointly by the Center for Nuclear Study (CNS), the University of Tokyo, and the Japan Society for the Promotion of Science (JSPS) Core-to-Core Program “International Research Network for Exotic Femto Systems (EFES)”, in the period of Aug. 26 – Sep. 1, 2009. The summer school was held at the Nishina hall in the Wako campus of RIKEN and at the Koshiba hall in the Hongo campus, the University of Tokyo. This summer school was the eighth one in the series which aimed at providing graduate students and postdocs with basic knowledge and perspectives of nuclear physics. It consisted of lectures by leading scientists in the fields of both experimental and theoretical nuclear physics. Each lecture started with an introductory talk from the fundamental point of view and ended with up-to-date topics in the relevant field.

The lecturers and the lecture titles are listed below.

- **M.H. Jensen** (Oslo) “Nuclear interactions and the shell model”
- **C. Bertulani** (Texas A & M Commerce) “Coulomb excitation of exotic beams”
- **P. van Duppen** (Leuven) “Nuclear structure studies along Z=28 and 82 closed proton shells using radioactive ion beams”
- **S. Shimoura** (CNS, Tokyo) “Reactions of RI beams for studying exotic nuclei”
- **H. Horiuchi** (RCNP, Osaka) “Coexistence of cluster states and mean-field states”
- **N. Ishii** (Tokyo) “Hadronic interactions in lattice QCD”
- **H. Sakurai** (Nishina Center, RIKEN) “RIBF project – present status and perspectives–”
- **K. Makishima** (Tokyo/RIKEN) “Highlights from recent cosmic X-ray observations”
- **T. Kawabata** (Kyoto) “Alpha inelastic scattering and cluster structures in light nuclei”
- **T. Gunji** (CNS, Tokyo) “Experimental studies of hot and dense QCD medium in relativistic heavy ion collisions”

This year, 100 participants, including 10 lecturers from 10 countries, attended the school. Three lecturers and 27 participants were from foreign institutes, and 5 participants were foreign researchers belonging to domestic institutes. Five lectures on Aug. 27 were held at the Koshiba hall in the Hongo campus and were broadcasted via the Internet. The student and postdoc sessions were also held in the school. 21 talks and 15 posters were presented by graduate students and postdocs. Attendances communicated each other in the free discussion time between the lectures and in the welcome and farewell parties with a relaxed atmosphere.

All information concerning the summer school is open for access at the following URL:


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