

“One-particle motion in nuclear many-body problem”

浜本 育子 氏 (ルンド大学)

Prof. Ikuko Hamamoto (Lund University)

講義内容

The study of one-particle motion in the mean field is the basis for understanding the structure of many-body systems ; not only one-particle states but also collective modes and many-body correlations. In the case of nuclear system some examples of interesting mean fields are a basic one-nucleon potential, a potential for quasiparticles (pair correlation), a rotating potential (high-spin physics), etc. I begin with well-bound, weakly-bound, and resonant one-nucleon levels in spherical and deformed potentials, focusing attention mainly on deformation and neutron-drip-line nuclei.

2010年6月22日(火) 1コマ目 : 13:30~15:00

休憩

2コマ目 : 15:30~17:00

6月23日(水) 3コマ目 : 10:30~12:00

会場 : 仁科ホール、理研

*This Lecture will be given in Japanese.*

*Contact:*

*RIBF Nuclear Physics Seminar Organizer*

*[seminar@ribf.riken.jp](mailto:seminar@ribf.riken.jp)*

*<http://ribf.riken.jp/~seminar>*