International molecule

"Physics of structure and reaction of neutron-rich nuclei and surface of neutron stars studied with Time-dependent Hartree-Fock approach"

Dates: **March 1 (Tue) - March 21 (Mon), 2011**
Place: **K102** (Research Building; ～**3/11**) **Y306** (Yukawa Hall; **3/14**～)
Yukawa Institute for Theoretical Physics, Kyoto University

Program

3 March 15:00 **Y. Iwata (GSI)**
TDHF approach for nuclear matter
T. Yoshida (CNS U-Tokyo)
Symplectic structure and monopole strength in 12C

7 March 10:00 **J. Maruhn (Frankfurt)**
TDHF lecture for beginners 1
15:00 **K. Iida (Kochi)**
Symmetry energy, unstable nuclei and nuclear pasta

8 March 10:00 **J. Maruhn (Frankfurt)**
TDHF lecture for beginners 2
15:00 **S. Ebata (Tsukuba)**
Linear response calculations for light to heavy nuclei
with Canonical-basis TDHFB in three-dimensional
spase representation
-- mainly for Isovector dipole mode --
short talks: Y. Fukuoka, K. Sekizawa, R. Nishiyama

9 March 10:00 **J. Maruhn (Frankfurt)**
TDHF lecture for beginners 3
15:00 **Y. Hashimoto (Tsukuba)**
Nonlinear quadrupole oscillation and its relaxation
in Gogny-TDHFB

10 March 10:00 **Y. Iwata (GSI)**
Nuclear reaction for the synthesis of very exotic nuclei

11 March 15:00 **T. Ichikawa (YITP, Kyoto)**
Cluster formations in deformed states for 28Si and 32S

14 March 10:00 **S. Ohkubo (Kochi women's)**
Alpha-clustering, Bose-Einstein condensation,
nucleosynthesis and superdeformation in nuclei

18 March 10:00 **Y. Tanimura (Tohoku)**
Variational approach to relativistic systems
K. Hagino (Tohoku)
A schematic model for nuclear reaction of two-neutron halo nuclei