

Osaka Spring Workshop on Cluster Condensation and Nucleon Correlation in Nuclei

Lecture room at the 4th floor, RCNP, Osaka Univ. 26 - 28 Apr., 2006

26 Apr. (Wed.)

13:20—13:30 Opening T. Yamada (Kanto Gakuin Univ.)

【Chairperson: T. Yamada】

13:30—14:00 Y. Funaki (RIKEN)

“Alpha condensed state in ^{16}O ”

14:00—14:30 M. Takashina (YITP, Kyoto Univ.)

“Analysis of ^{12}C , ^{16}O inelastic scattering using alpha-condensation model wave functions”

14:30—15:00 Break

【Chairperson: A. Tohsaki】

15:00—15:30 K. Arai (Nagaoka Nat. Coll. of Tech.)

“ 3α resonance excited states of ^{12}C in a microscopic cluster model”

15:30—16:00 C. Kurokawa (Hokkaido Univ.)

“Three-alpha resonance state and its contribution in continuum spectrum”

16:00—16:30 M. Itoh (Tohoku Univ.)

“Measurement of the decay- α particle from α cluster states ”

16:30—17:00 Break

【Chairperson: T. Kawabata】

17:00—17:30 A. Tamii (RCNP, Osaka Univ.)

“ ^{12}C (p,p') reaction at forward angles”

17:30—18:00 T. Yamada (Kanto Gakuin Univ.)

“Spin-orbit splittings in ^{13}C and ^{13}N with the nature of the Hoyle state in ^{12}C ”

27 Apr. (Thu.)

【Chairperson: M. Fujiwara】

10:00—10:30 T. Kawabata (CNS, Tokyo Univ.)

“ $2\alpha + t$ cluster state in ^{11}B ”

10:30—11:00 Y. Sasamoto (CNS, Tokyo Univ.)

“Cluster states in ^{13}C ”

11:00—11:15 Break

【Chairperson: P. Schuck】

11:15—11:45 Y. En'yo (YITP, Kyoto Univ.)

“Three-center clustering in ^{11}C and ^{13}C ”

11:45—12:15 M. Fujiwara (RCNP, Osaka Univ.)

“Puzzle for the existence of the $3\alpha + \text{N}$ structure in $A=13$ systems”

12:15—14:30 Lunch

【Chairperson: Y. En'yo】

14:30—15:10 M. Freer (Univ. of Birmingham)

“From clusters to molecules”

15:10—15:40 M. Ito (RIKEN)

“Non-adiabatic dynamics in ^{10}Be with the $\alpha + \alpha + n + n$ model”

15:40—16:00 Break

【Chairperson: G. Röpke】

16:00—16:30 T. Furumoto (Osaka City Univ.)

“Application of JLM folding model to alpha-nucleus scattering”

16:30—17:00 A. Haga (RCNP, Osaka Univ.)

“RMF and RPA with vacuum polarization”

17:00—17:30 H. Horiuchi (RCNP, Osaka Univ.)

“Di-neutron Cluster And Its Condensation”

18:15— Party

28 Apr. (Fri.)

【Chairperson: K. Kato】

10:30—11:00 M. Kimura (Tsukuba Univ.)
“Many-particle many-hole states in ^{31}Mg ”

11:00—11:15 Break

【Chairperson: S. Aoyama】

11:15—11:45 W. Sakai (RCNP, Osaka Univ.)
“Application of the generalized Jastrow factor to cluster model”

11:45—12:15 S. Sugimoto (Kyoto Univ.)
“Study of the tensor correlation in the mean-field-type model and the shell model”

12:15—12:45 K. Ikeda (RIKEN)
“Tensor correlations in ^4He and ^5He ”

12:45—15:00 Lunch

【Chairperson: K. Ikeda】

15:00—15:30 T. Myo (RCNP, Osaka Univ.)
“Extended three-body analysis of ^{11}Li with tensor and pairing correlations”

15:30—16:00 S. Aoyama (Niigata Univ.)
“ $t+t$ clustering in He-isotopes”

16:00—16:40 N. Orr (LPC - Caen)
“Neutron clustering and correlations”

16:40—17:00 Break

【Chairperson: H. Horiuchi】

17:00—17:40 G. Röpke (Rostock Univ.)
“Quantum condensates in nuclear matter - beyond mean field approximation”

17:40—18:20 P. Schuck (IPN, Orsay)
“Alpha particle condensation in nuclear systems”