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Altri autori (Persone)	OhnishiA
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Nota di contenuto	Contents ; Symposium Organization ; Symposium Photograph ; Preface ; Clustering in Unstable Nuclei ; Cluster Excitations in 6Li ; Coupled Channel $9\text{Li} + n + n$ Model of 11Li ; Clustering of 8He and 7He Tested by $8\text{He} + p$ Transfer Reactions ; Evidence for the Di-Triton Resonance in 6He Probing Halo and Molecular States in Light, Neutron-Rich Nuclei $6\text{He} +$ 6He Molecular States in Highly-Excited 12Be ; Molecular States in Neutron-Rich Beryllium Isotopes ; Analysis of 11Be in the $10\text{Be} + n$ Model ; Cluster Structure in Hypernuclei ; Structure of Light Hypernuclei Studied by Gamma-Ray Spectroscopy Quark-Model Interactions for Complete Baryon Octet Cluster Models of 9Be and 9^{Λ}Be ; Structure of 12^{Λ}C Hypernucleus in Antisymmetrized Molecular Dynamics ; Three- and Four-Body Structure of Light Double Hypernuclei; Deeply Bound Kaonic Nuclei - Their Strange Density Distributions

Clustering Structure in Light to Medium-Heavy Stable Nuclei
Heavy Ion Radiative Capture: A Study of the $^{12}\text{C}(^{12}\text{C},\gamma)$ Reaction Using
A Large Germanium Detector Array; $^{12}\text{C} + ^{12}\text{C} \rightarrow ^8\text{Be} + ^{16}\text{O}$.s.
Resonance Reaction and Multi-Cluster States of the Highly Excited
 ^{24}Mg Nucleus; Resonant Structures in Observed Spin Alignment in the
 $^{12}\text{C}+^{16}\text{O}$ Inelastic Scattering
Barrier-Wave/Internal-Wave Interpretation of Airy Structure in Light
Heavy-Ion Elastic Scattering
Double-Folding Potentials for the $^{16}\text{O} + ^{16}\text{O}$ System in the Coupled-
Channels Framework
; New Information on α -cluster States in ^{12}C from the β -decay of ^{12}N ;
Alpha and Di-Neutron Condensation
Alpha Cluster Condensation in ^{12}C and ^{16}O

Sommario/riassunto

This proceedings volume includes all the invited talks and oral presentations at the International Symposium on Clustering Aspects of Quantum Many-Body Systems, 12-14 November 2001, Kyoto, Japan. It discusses various features of clustering aspects - localization of particles in static and dynamical contexts - of nuclear and atomic systems. It also presents many recent theoretical developments in quantum few-body and many-body problems. This book will be useful to graduate students and researchers in the field of quantum many-body problems, especially to those who want to understand the system
