1. Record Nr. UNINA9910784602403321

Titolo	Recent progress in many-body theories [[electronic resource]] : proceedings of the 13th International Conference / / editors, Susana Hernandez, Horacio Cataldo
Pubbl/distr/stampa	Hackensack, : World Scientific, 2006
ISBN	1-281-92445-8 9786611924454 981-277-278-2
Descrizione fisica	1 online resource (424 p.)
Collana	Series on advances in quantum many-body theory ; ; v. 10
Altri autori (Persone)	CataldoHoracio HernandezSusana
Disciplina	530.144
Soggetti	Many-body problem Mechanics, Analytic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents ; Preface ; Series Editorial Board and Other Committees ; Foreword by the Editors ; Feenberg Memorial Medal Presentation ; Raymond Bishop and Hermann Kummel: Feenberg Medalists 2005 The Coupled Cluster Method ; Quantum Theory ""Without Measurement"" Towards a Coupled-Cluster Treatment of SU(N) Lattice Gauge Field Theory A Tribute To Seven Decades: Physics And Much More ; A Tribute to John Walter Clark on his 70th Birthday ; Application of Support Vector Machines to Global Prediction of Nuclear Properties A Tribute to Manfred L. Ristig on his 70th Birthday The Physics of Liquid Para-Hydrogen ; Quantum Fluids And Solids ; Quantum Reflection Evaporation and Transport Currents at 4He Surfaces ; Radial Distribution and Liquid Structure Function for Liquid Para-Hydrogen at Low Temperatures

Variational Description of Weakly Interacting Bose Gases in 3 Dimensions Stability and Spectra of Small 3He-4He Clusters ; Bose-Einstein Condensation in Bulk and Confined Solid Helium ; Continuum Theory of Superflow in Supersolid 4He: A Review Analysis of an Interatomic Potential for the Condensed Phases of Helium Liquid 4He Adsorbed Films on very Attractive Substrates ; Quantum Monte Carlo Studies Of Many-Body Systems And Quantum Computation ; Monte Carlo Simulation of Boson Lattices ; Thermal Entanglement in Spin Systems Limits on the Power of Some Models of Quantum Computation

Sommario/riassunto

This conference series is now firmly established as one of the premier series of international meetings in the field of many-body physics. The current volume maintains the tradition of covering the entire spectrum of theoretical tools developed to tackle important and current quantum many-body problems. It aims to foster the exchange of ideas and techniques among physicists working in diverse subfields of physics, such as nuclear and sub-nuclear physics, astrophysics, atomic and molecular physics, quantum chemistry, complex systems, quantum field theory, strongly correlated electronic systems