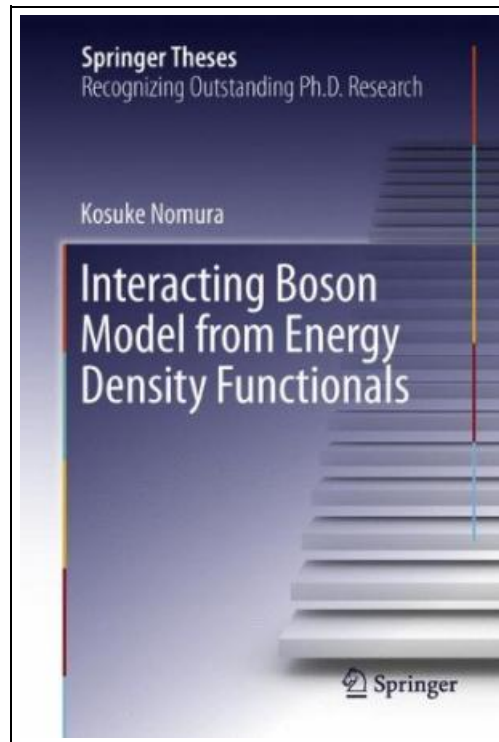


Interacting Boson Model from Energy Density Functionals (Hardback)



Filesize: 4.65 MB

Reviews

Thorough guideline! Its this kind of excellent read. This is certainly for all those who statte there was not a well worth reading. Your way of life period will probably be transform once you complete reading this book.

(Mrs. Alia Borer)

INTERACTING BOSON MODEL FROM ENERGY DENSITY FUNCTIONALS (HARDBACK)

[DOWNLOAD](#)

Springer Verlag, Japan, Japan, 2013. Hardback. Condition: New. 2013 ed.. Language: English . Brand New Book. This thesis describes a novel and robust way of deriving a Hamiltonian of the interacting boson model based on microscopic nuclear energy density functional theory. Based on the fact that the multi-nucleon induced surface deformation of finite nucleus can be simulated by effective boson degrees of freedom, observables in the intrinsic frame, obtained from self-consistent mean-field method with a microscopic energy density functional, are mapped onto the boson analog. Thereby, the excitation spectra and the transition rates for the relevant collective states having good symmetry quantum numbers are calculated by the subsequent diagonalization of the mapped boson Hamiltonian. Because the density functional approach gives an accurate global description of nuclear bulk properties, the interacting boson model is derived for various situations of nuclear shape phenomena, including those of the exotic nuclei investigated at rare-isotope beam facilities around the world. This work provides, for the first time, crucial pieces of information about how the interacting boson model is justified and derived from nucleon degrees of freedom in a comprehensive manner.

[Read Interacting Boson Model from Energy Density Functionals \(Hardback\) Online](#)[Download PDF Interacting Boson Model from Energy Density Functionals \(Hardback\)](#)

Related PDFs



Weebies Family Halloween Night English Language: English Language British Full Colour

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Children s Weebies Family Halloween Night Book 20 starts to teach Pre-School and...

[Save Book »](#)



Doodle New York: Create. Imagine. Draw Your Way Through the Big Apple

Duo Press LLC. Paperback / softback. Book Condition: new. BRAND NEW, Doodle New York: Create. Imagine. Draw Your Way Through the Big Apple, Puck, Violet Lemay, Sure to put youngsters in a New York state...

[Save Book »](#)



The Book of Books: Recommended Reading: Best Books (Fiction and Nonfiction) You Must Read, Including the Best Kindle Books Works from the Best-Selling Authors to the Newest Top Writers

Createspace, United States, 2014. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This tome steers you to both the established best-selling authors and the newest...

[Save Book »](#)



Children s Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer

Createspace, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****.The Children s Handwriting Book of Alphabets and Numbers provides extensive focus on...

[Save Book »](#)



Homeschool Your Child for Free: More Than 1,400 Smart, Effective, and Practical Resources for Educating Your Family at Home

Random House USA Inc, United States, 2009. Paperback. Book Condition: New. 2nd. 229 x 185 mm. Language: English . Brand New Book. Provide a solid education at home without breaking the bank. Introduced in 2000,...

[Save Book »](#)