



Theoretical Nuclear and Subnuclear Physics, John Dirk Walecka, Oxford University Press, 1995, 0195072146, 9780195072143, 610 pages. This much-needed book - the most comprehensive, up-to-date text available on nuclear physics - expertly details the numerous theoretical techniques central to the discipline. It is based on lecture notes from a three-lecture series given at CEBAF (the Continuous Electron Beam Accelerator Facility), where John Dirk Walecka at the time was Scientific Director: Graduate Quantum Mechanics, Advanced Quantum Mechanics and Field Theory, and Special Topics in Nuclear Physics. The primary goal of this text is pedagogical; providing a clear, logical, in-depth, and unifying treatment of many diverse aspects of modern nuclear theory ranging from the non-relativistic many-body problem to the standard model of the strong, electromagnetic, and weak interactions. Four key topics are emphasized in this text: basic nuclear structure, the relativistic nuclear many-body problem, strong-coupling QCD, and electroweak interactions with nuclei. The text is designed to provide graduate students with a basic level of understanding of modern nuclear physics so that they in turn can explore the scientific frontiers. Written by an eminent authority in the field, Theoretical Nuclear and Subnuclear Physics will be welcomed by graduate students and researchers alike..

DOWNLOAD [HERE](#)

Nuclear Structure Proceedings of the Conference, Bologna 2000, Structure of the Nucleus at the Dawn of the Century : Bologna, Italy, 29 May-3 June 2000, Giovanni C. Bonsignori, Jan 1, 2001, Science, 493 pages. The International Conference "Bologna 2000: Structure of the Nucleus at the Dawn of the Century" was devoted to a discipline which has seen a strong revival of research

Collective phenomena in atomic nuclei proceedings of the Nordic Winter School on Nuclear Physics, Hemsedal, Norway, 10-21 April 1983, T. Engeland, J. Rekstad, J. S. Vaagen, 1984, Science, 474 pages. .

Electroweak and Strong Interactions An Introduction to Theoretical Particle Physics : with 59 Figures, 80 Exercises and Solutions, F. A. Scheck, Jan 1, 1996, Science, 499 pages. Acclaimed in its first edition, this graduate-level tutorial provides a very accessible introduction to the primary concepts and tools of theoretical particle physics..

Gauge Theories of the Strong and Electroweak Interaction , Manfred B"Ahm, Ansgar Denner, Hans Joos, Apr 11, 2001, Science, 784 pages. This textbook gives a comprehensive summary of the gauge theories of the fundamental interactions. The authors stress the intimate connection between the basic experimental

Fast Neutron Physics: Experiments and theory , Jerry B. Marion, Joseph L. Fowler, 1963, Neutrons, 2292 pages. .

Introduction to Electroweak Unification Standard Model from Tree Unitarity, Jiri Horejsi, Jan 1, 1994, Science, 156 pages. .

Theory of Nucleus Nuclear Structure and Nuclear Interaction, Aleksej G. Sitenko, Alekse"Grigor"evich Sitenko, V. Viktor Konstantinovich Tartakovskii, 1997, Science, 615 pages. This book presents the fundamentals of modern ideas on the structure of atomic nuclei, as well as the most recent results. Different models of the nucleus are examined in

Introductory nuclear physics , Peter Edward Hodgson, Ettore Gadioli, E. Gadioli Erba, 1997, Science, 723 pages. This book is a comprehensive balanced and up-to-date introduction to nuclear physics that describes the experiments made to study nuclear reactions and nuclear structure, and

Classical Mechanics , Goldstein, Sep 1, 2002, , 680 pages. .

Nuclear Structure, Volume 1 , Aage Bohr, Ben R. Mottelson, 1998, Atomic theory, 471 pages. .

<http://kgarch.org/14gf.pdf>
<http://kgarch.org/12g1.pdf>
<http://kgarch.org/1ji1.pdf>
<http://kgarch.org/37.pdf>
<http://kgarch.org/edj.pdf>
<http://kgarch.org/1a8j.pdf>
<http://kgarch.org/cke.pdf>
<http://kgarch.org/154d.pdf>
<http://kgarch.org/1303.pdf>
<http://kgarch.org/1m2d.pdf>
<http://kgarch.org/1d4j.pdf>
<http://kgarch.org/m2k.pdf>
<http://kgarch.org/1ij9.pdf>