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Introductory Nuclear Physics Nuclear Statistical Spectroscopy Introductory Nuclear Physics Introductory Nuclear Physics Introduction to High-Energy Heavy-Ion Collisions Introductory Nuclear Physics Introduction to High Energy Physics High-pT Physics in the Heavy Ion Era Nuclear Physics Fundamentals in Nuclear Physics Physics of Massive Neutrinos Advances in Nuclear Physics Problems and Solutions in Medical Physics Introduction to Nuclear Physics Fundamentals of Nuclear Science and Engineering Second Edition The Nucleon-nucleon Interaction and the Nuclear Many-body Problem Introductory Nuclear Physics The Oblivion Society Handbook of Nuclear Medicine and Molecular Imaging Theoretical Nuclear and Subnuclear Physics Nuclear Oncology Massive Neutrinos in Physics and Astrophysics Mathematical Methods for Physicists Perspectives Of Nuclear Physics In The Late Nineties - Proceedings Of The International Conference On Nuclear Physics And Related Topics Mathematics of Classical and Quantum Physics Nuclear Medicine Radiation Dosimetry Modern Nuclear Chemistry Introduction to Plasma Physics and Controlled Fusion Relativistic Fluid Dynamics In and Out of Equilibrium Advanced and Emerging Technologies in Radiation Oncology Physics Encyclopedia of Nuclear Physics and its Applications Issues in Nuclear, High Energy, Plasma, Particle, and Condensed Matter Physics: 2011 Edition Topics in Nuclear Physics I Methods of the Physics of Porous Media Nuclear and Particle Physics Nuclear Physics Madame Wu Chien-shiung: The First Lady Of Physics Research Eye Movement Disorders Topics in Nuclear Physics II Fundamentals of Nuclear Reactor Physics

This book fills the need for a coherent work combining carefully reviewed articles into a comprehensive overview accessible to research groups and lecturers. Next to fundamental physics, contributions on topical medical and material science issues are included. Modern Nuclear Chemistry provides up-to-date coverage of the latest research as well as examinations of the theoretical and practical aspects of nuclear and radiochemistry. Includes worked examples and solved problems. Provides comprehensive information as a practical reference. Presents fundamental physical principles, in brief, of nuclear and radiochemistry. Over the past 25 years, the field of VUV physics has undergone significant developments as new powerful spectroscopic tools, VUV lasers, and optical components have become available. This volume is aimed at experimentalists who are in need of choosing the best type of modern instrumentation in this applied field. In particular, it contains a detailed chapter on laboratory sources. This volume provides an up-to-date description of state-of-the-art equipment and techniques, and a broad reference bibliography. It treats phenomena from the standpoint of an experimental physicist, whereby such topics as imaging techniques (NMR, X-ray, ultrasonic, etc.) computer modeling, eletro-kinetic phenomena, diffusion, non-linear wave propagation surface adsorption/desorption, convective mixing, and fracture are specifically addressed. This highly-regarded text provides a comprehensive introduction to modern particle physics. Extensively rewritten and updated, this 4th edition includes developments in elementary particle physics, as well as its connections with cosmology and astrophysics. As in previous editions, the balance between experiment and theory is continually emphasised. The stress is on the phenomenological approach and basic theoretical concepts rather than rigorous mathematical detail. Short descriptions are given of some of the key experiments in the field, and how they have influenced our thinking. Although most of the material is presented in the context of the Standard Model of quarks and leptons, the shortcomings of this model and new

physics beyond its compass (such as supersymmetry, neutrino mass and oscillations, GUTs and superstrings) are also discussed. The text includes many problems and a detailed and annotated further reading list. There is perhaps no area of neuro-ophthalmology that is advancing more rapidly with respect to an understanding of its anatomy and physiology than the ocular motor system. For this reason, it is difficult not only to keep up with the latest information concerning the basic mechanisms involved in the control of eye movements but also to remain up to date regarding the pathophysiology of specific disorders of eye movement. The material in this book is derived from a two-day course on eye movements held in The Netherlands in 1986. The course was designed as an introduction to the normal ocular motor system and to disorders of eye movements and was aimed toward orthoptists, ophthalmolo gists, optometrists, neurologists, and neurosurgeons. The chapters in this book were compiled by a trio of experts in the field of eye movements and contain discussions of anatomy and physiology of the ocular motor system, techniques of examination of patients with diplopia, and pathophysiology of specific disorders of ocular motility. Many of the authors of these chapters are among the most active investigators of eye movements in the world today, and their comments thus reflect the latest information in the field. This text is both basic and com prehensive and thus has something for everyone, from the student just beginning a study of the ocular motor system to the seasoned 'veteran' who wishes to know the latest information regarding central ocular motor control mechanisms. Neil R. Issues in Nuclear, High Energy, Plasma, Particle, and Condensed Matter Physics: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Nuclear, High Energy, Plasma, Particle, and Condensed Matter Physics. The editors have built Issues in Nuclear, High Energy, Plasma, Particle, and Condensed Matter Physics: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Nuclear, High Energy, Plasma, Particle, and Condensed Matter Physics in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Nuclear, High Energy, Plasma, Particle, and Condensed Matter Physics: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/. Complexities of the requirements for accurate radiation dosimetry evaluation in both diagnostic and therapeutic nuclear medicine (including PET) have grown over the past decade. This is due primarily to four factors: Growing consideration of accurate patient-specific treatment planning for radionuclide therapy as a means of improving the therapeutic benefit, development of more realistic anthropomorphic phantoms and their use in estimating radiation transport and dosimetry in patients, Design and use of advanced Monte Carlo algorithms in calculating the above-mentioned radiation transport and dosimetry which require the user to have a thorough understanding of the theoretical principles used in such algorithms, their appropriateness and their limitations, increasing regulatory scrutiny of the radiation dose burden borne by nuclear medicine patients in the clinic and in the development of new radiopharmaceuticals, thus requiring more accurate and robust dosimetry evaluations. An element common to all four factors is the need for precise radiation dosimetry in nuclear medicine, which is fundamental to the therapeutic success of a patient undergoing radionuclide therapy and to the safety of the patients undergoing diagnostic nuclear medicine and PET procedures. As the complexity of internal radiation dosimetry applied to diagnostic and therapeutic nuclear medicine increases, this book will provide the theoretical foundations for: enabling the practising nuclear medicine physicist to understand the dosimetry calculations being used and their limitations, allowing the research nuclear medicine physicist to critically examine the internal radiation

dosimetry algorithms available and under development; and providing the developers of Monte Carlo codes for the transport of radiation resulting from internal radioactive sources with the only comprehensive and definitive. After an accidental nuclear war, Vivian Gray joins a comically inept goup of fellow twentysomething survivors. She and her new friends embark on a cross-country road trip seeking sanctuary from the menagerie of deadly atomic mutants unleased by the contaminated atmosphere. Nuclear Oncology describes the use of radionuclides in the diagnosis and management of malignant tumors. Both in vivo and in vitro techniques are included. The book was written by an international panel of authors, most, if not all, of whom are the pioneers of the techniques described. Their chapters reflect the universal views in the field of nuclear medicine and oncology. Clinical aspects and technical details are presented for both standard and new nuclear oncological techniques, including breast scintigraphy, receptor imaging, monoclonal antibodies and positron emission tomography. This information will therefore be helpful to those dealing with the diagnosis and therapy of cancer using radionuclides, including medical oncologists, radiation oncologists, oncologic surgeons, nuclear medicine physicians and radiologists. Attention is devoted to potential areas of clinical research in nuclear oncology. Therapeutic use of radionuclides is emphasized. An accessible introduction to nuclear and particle physics with equal coverage of both topics, this text covers all the standard topics in particle and nuclear physics thoroughly and provides a few extras, including chapters on experimental methods; applications of nuclear physics including fission, fusion and biomedical applications; and unsolved problems for the future. It includes basic concepts and theory combined with current and future applications. An excellent resource for physics and astronomy undergraduates in higher-level courses, this text also serves well as a general reference for graduate studies. Neutrinos play a decisive part in nuclear and elementary particle physics, as well as in astrophysics and cosmology. Some of their most basic properties, such as their mass and charge conjugation symmetry, are largely unknown. This book focuses on what we know and may hope to know about the mass of the neutrino and its particle-antiparticle symmetry. Topics include neutrino mixing, neutrino decay, neutrino oscillations, double beta decay, solar neutrinos, supernova neutrinos and related issues. The authors stress the physical concepts, and discuss both theoretical and experimental techniques. This updated second edition differs from the first in that it contains an expanded coverage of experimental results and theoretical advances. Since publication of the first edition, many issues that were at that time unresolved, such as tritium beta decay and reactor neutrino oscillations, have been clarified and are discussed here. Also included is an expanded coverage of solar and supernova neutrinos. This book deals with one of the most intriguing issues in modern physics, and will be of value to researchers, graduate students and advanced undergraduates specializing in experimental and theoretical particle physics and nuclear physics. An introduction to various issues related to the theory and phenomenology of massive neutrinos for the nonexpert, also providing a discussion of results in the field for the active researcher. All the necessary techniques and logics are included and topics such as supersymmetry are covered. A comprehensive, unified treatment of present-day nuclear physics-the fresh edition of a classic text/reference. "A fine and thoroughly up-to-date textbook on nuclear physics . . . most welcome." -Physics Today (on the First Edition). What sets Introductory Nuclear Physics apart from other books on the subject is its presentation of nuclear physics as an integral part of modern physics. Placing the discipline within a broad historical and scientific context, it makes important connections to other fields such as elementary particle physics and astrophysics. Now fully revised and updated, this Second Edition explores the changing directions in nuclear physics, emphasizing new developments and current research-from superdeformation to quark-gluon plasma. Author Samuel S.M. Wong preserves those areas that established the First Edition as a standard text in university physics departments, focusing on what is exciting about the discipline and providing a concise, thorough, and accessible treatment of the fundamental aspects of nuclear properties. In this new edition, Professor Wong: * Includes a chapter on

heavy-ion reactions-from high-spin states to quark-gluon plasma * Adds a new chapter on nuclear astrophysics * Relates observed nuclear properties to the underlying nuclear interaction and the symmetry principles governing subatomic particles * Regroups material and appendices to make the text easier to use * Lists Internet links to essential databases and research projects * Features end-of-chapter exercises using real-world data. Introductory Nuclear Physics, Second Edition is an ideal text for courses in nuclear physics at the senior undergraduate or first-year graduate level. It is also an important resource for scientists and engineers working with nuclei, for astrophysicists and particle physicists, and for anyone wishing to learn more about trends in the field. Lecture Notes for the International Winter School in Nuclear Physics, held at Beijing (Peking), The People's Republic of China, December 22, 1980 - January 9, 1981 This handbook will provide updated information on nuclear medicine and molecular imaging techniques as well as its clinical applications, including radionuclide therapy, to trainees and practitioners of nuclear medicine, radiology and general medicine. Updated information on nuclear medicine and molecular imaging are vitally important and useful to both trainees and existing practitioners. Imaging techniques and agents are advancing and changing so rapidly that concise and pertinent information are absolutely necessary and helpful. It is hoped that this handbook will help readers be better equipped for the utilization of new imaging methods and treatments using radiopharmaceuticals. Since the publication of the bestselling first edition, there have been numerous advances in the field of nuclear science. In medicine, accelerator based teletherapy and electron-beam therapy have become standard. New demands in national security have stimulated major advances in nuclear instrumentation.An ideal introduction to the fundamentals of nuclear science and engineering, this book presents the basic nuclear science needed to understand and quantify an extensive range of nuclear phenomena. New to the Second Edition— A chapter on radiation detection by Douglas McGregor Up-to-date coverage of radiation hazards, reactor designs, and medical applications Flexible organization of material that allows for quick reference This edition also takes an in-depth look at particle accelerators, nuclear fusion reactions and devices, and nuclear technology in medical diagnostics and treatment. In addition, the author discusses applications such as the direct conversion of nuclear energy into electricity. The breadth of coverage is unparalleled, ranging from the theory and design characteristics of nuclear reactors to the identification of biological risks associated with ionizing radiation. All topics are supplemented with extensive nuclear data compilations to perform a wealth of calculations. Providing extensive coverage of physics, nuclear science, and nuclear technology of all types, this up-to-date second edition of Fundamentals of Nuclear Science and Engineering is a key reference for any physicists or engineer. This book provides a comprehensive overview of some key developments in the understanding of the nucleon-nucleon interaction and nuclear many-body theory. The main problems at the level of meson exchange physics have been solved, and we have an effective field theory using a phenomenological interaction pioneered by Achim Schwenk and Scott Bogner, which is nearly universally accepted as a unique low-momentum interaction that includes all experimental data to date.This understanding is based on a multi-step development in which different scientific insights and a wide range of physical and mathematical methodologies fed into each other. It is best appreciated by looking at the different 'steps along the way', starting with the pioneering work of Brueckner and his collaborators that was just as necessary and important as the insightful masterly improvements to Brueckner's theory by Hans Bethe and his students. Moving on from there, the off-shell effects that bedeviled Bethe's work — which had resulted in the 1963 Reference Spectrum Method — were treated relatively accurately by introducing an energy gap between initial bound states and an intermediate state. With their influential 1967 paper, Brown and Kuo prepared the effective field theory. Later, the introduction of 'Brown-Rho scaling' deepened understanding of saturation in the many-body system and fed directly into recent

work on carbon-14 dating. This text is designed for an intermediate-level, two-semester undergraduate course in mathematical physics. It provides an accessible account of most of the current, important mathematical tools required in physics these days. It is assumed that the reader has an adequate preparation in general physics and calculus. The book bridges the gap between an introductory physics course and more advanced courses in classical mechanics, electricity and magnetism, quantum mechanics, and thermal and statistical physics. The text contains a large number of worked examples to illustrate the mathematical techniques developed and to show their relevance to physics. The book is designed primarily for undergraduate physics majors, but could also be used by students in other subjects, such as engineering, astronomy and mathematics. With the appearance of Volume 3 of our series the review articles them selves can speak for the nature of the series. Our initial aim of charting the field of nuclear physics with some regularity and completeness is, hopefully, beginning to be established. We are greatly indebted to the willing coopera tion of many authors which has kept the series on schedule. By means of the "stream" technique on which our series is based - in which articles emerge from a flow of future articles at the convenience of the authors-the articles appear in this volume without any special coordination of topics. The topics range from the interaction of pions with nuclei to direct reactions in deformed nuclei. There is a great number of additional topics which the series hopes to include. Some of these are indicated by our list of future articles. Some have so far not appeared on our list because the topics have been reviewed re cently in other channels. Much of our series has originated from the sug gestions of our colleagues. We continue to welcome such aid and we continue to need, particularly, more suggestions about experimentalists who might write articles on experimental topics. This new book educates readers about new technologies before they appear in hospitals, enabling medical physicists and clinicians to prepare for new technologies thoroughly and proactively, and provide better patient care once new equipment becomes available. Emerging technologies in imaging, treatment planning, treatment delivery, dosimetry and informatics are all discussed. The book is divided into three parts: recently developed technologies available for practice; technologies under development nearing completion; and technologies in an early stage of development that could have potential radiotherapy applications. Features: Introduces emerging technologies in imaging, treatment planning, treatment delivery, dosimetry and informatics The advantages and limitations of each technology in clinical settings are discussed, and recommendations on how to adopt the technologies are provided Critiques and improvement points are provided for researchers, in addition to suggestions on how to prepare quality assurance are provided as needed This book is a revised and updated version of the most comprehensive text on nuclear and subnuclear physics, first published in 1995. It maintains the original goal of providing a clear, logical, in-depth, and unifying treatment of modern nuclear theory, ranging from the nonrelativistic many-body problem to the standard model of the strong, electromagnetic, and weak interactions. In addition, new chapters on the theoretical and experimental advances made in nuclear and subnuclear physics in the past decade have been incorporated. Four key topics are emphasized: basic nuclear structure, the relativistic nuclear many-body problem, strong-coupling QCD, and electroweak interactions with nuclei. New chapters have been added on the many-particle shell model, effective field theory, density functional theory, heavy-ion reactions and quark-gluon plasma, neutrinos, and electron scattering. This book is designed to provide graduate students with a basic understanding of modern nuclear and hadronic physics needed to explore the frontiers of the field. Researchers will benefit from the updates on developments and the bibliography. Fundamentals of Nuclear Reactor Physics offers a one-semester treatment of the essentials of how the fission nuclear reactor works, the various approaches to the design of reactors, and their safe and efficient operation . It provides a clear, general overview of atomic physics from the standpoint of reactor functionality and design, including the sequence of fission reactions and their energy release. It

provides in-depth discussion of neutron reactions, including neutron kinetics and the neutron energy spectrum, as well as neutron spatial distribution. It includes ample worked-out examples and over 100 end-of-chapter problems. Engineering students will find this applications-oriented approach, with many worked-out examples, more accessible and more meaningful as they aspire to become future nuclear engineers. A clear, general overview of atomic physics from the standpoint of reactor functionality and design, including the sequence of fission reactions and their energy release In-depth discussion of neutron reactions, including neutron kinetics and the neutron energy spectrum, as well as neutron spatial distribution Ample worked-out examples and over 100 end-of-chapter problems Full Solutions Manual Graduate-level text offers unified treatment of mathematics applicable to many branches of physics. Theory of vector spaces, analytic function theory, theory of integral equations, group theory, and more. Many problems. Bibliography. This title provides the latest information on nuclear physics.Based on a course entitled Applications of Nuclear Physics. Writtenfrom an experimental point of view this text is broadly dividedinto two parts, firstly a general introduction to Nuclear Physicsand secondly its applications. * Includes chapters on practical examples and problems * Contains hints to solving problems which are included in theappendix * Avoids complex and extensive mathematical treatments * A modern approach to nuclear physics, covering the basic theory,but emphasising the many and important applications Lecture Notes for the International Winter School in Nuclear Physics, held at Beijing (Peking), The People's Republic of China, December 22, 1980 - January 9, 1981 Aimed at graduate students and researchers in the field of high-energy nuclear physics, this book provides an overview of the basic concepts of large transverse momentum particle physics, with a focus on pQCD phenomena. It examines high-pT probes of relativistic heavy-ion collisions and will serve as a handbook for those working on RHIC and LHC data analyses. Starting with an introduction and review of the field, the authors look at basic observables and experimental techniques, concentrating on relativistic particle kinematics, before moving onto a discussion about the origins of high-pT physics. The main features of high-pT physics are placed within a historical context and the authors adopt an experimental outlook, highlighting the most important discoveries leading up to the foundation of modern QCD theory. Advanced methods are described in detail, making this book especially useful for newcomers to the field. TO THE SECOND EDITION In the nine years since this book was first written, rapid progress has been made scientifically in nuclear fusion, space physics, and nonlinear plasma theory. At the same time, the energy shortage on the one hand and the exploration of Jupiter and Saturn on the other have increased the national awareness of the important applications of plasma physics to energy production and to the understanding of our space environment. In magnetic confinement fusion, this period has seen the attainment 13 of a Lawson number nTE of 2 x 10 cm -3 sec in the Alcator tokamaks at MIT; neutral-beam heating of the PL T tokamak at Princeton to KTi = 6. 5 keV; increase of average ß to 3%-5% in tokamaks at Oak Ridge and General Atomic; and the stabilization of mirror-confined plasmas at Livermore, together with injection of ion current to near field-reversal conditions in the 2XIIß device. Invention of the tandem mirror has given magnetic confinement a new and exciting dimension. New ideas have emerged, such as the compact torus, surface-field devices, and the EßT mirror-torus hybrid, and some old ideas, such as the stellarator and the reversed-field pinch, have been revived. Radiofrequency heat ing has become a new star with its promise of dc current drive. Perhaps most importantly, great progress has been made in the understanding of the MHD behavior of toroidal plasmas: tearing modes, magnetic Vll Vlll islands, and disruptions. This volume contains the lectures of invited speakers on the following topics: Collective excitations at zero and finite temperature; Algebraic and geometric symmetric nuclear models; Fundamental symmetries in nuclear physics; Fast rotating nuclei; Nuclei far from stability; Nuclear multifragmentation; Nuclear astrophysics; Subnucleonic degrees of freedom; Relativistic effects in nuclear physics; Quark-gluon plasma physics; Order and chaos in

nuclear physics; Nuclear physics and atomic aggregates; Applied nuclear physics. The first in a three-volume set exploring Problems and Solutions in Medical Physics, this volume explores common questions and their solutions in Diagnostic Imaging. This invaluable study guide should be used in conjunction with other key textbooks in the field to provide additional learning opportunities. It contains key imaging modalities, exploring X-ray, mammography, and fluoroscopy, in addition to computed tomography, magnetic resonance imaging, and ultrasonography. Each chapter provides examples, notes, and references for further reading to enhance understanding. Features: Consolidates concepts and assists in the understanding and applications of theoretical concepts in medical physics Assists lecturers and instructors in setting assignments and tests Suitable as a revision tool for postgraduate students sitting medical physics, oncology, and radiology sciences examinations Narrating the well-lived life of the “Chinese Madame Curie” — a recipient of the first Wolf Prize in Physics (1978), the first woman to receive an honorary doctorate from Princeton University, as well as the first female president of the American Physical Society — this book provides a comprehensive and honest account of the life of Dr Wu Chien-Shiung, an outstanding and leading experimental physicist of the 20th century. The past decade has seen unprecedented developments in the understanding of relativistic fluid dynamics in and out of equilibrium, with connections to astrophysics, cosmology, string theory, quantum information, nuclear physics and condensed matter physics. Romatschke and Romatschke offer a powerful new framework for fluid dynamics, exploring its connections to kinetic theory, gauge/gravity duality and thermal quantum field theory. Numerical algorithms to solve the equations of motion of relativistic dissipative fluid dynamics as well as applications to various systems are discussed. In particular, the book contains a comprehensive review of the theory background necessary to apply fluid dynamics to simulate relativistic nuclear collisions, including comparisons of fluid simulation results to experimental data for relativistic lead-lead, proton-lead and proton-proton collisions at the Large Hadron Collider (LHC). The book is an excellent resource for students and researchers working in nuclear physics, astrophysics, cosmology, quantum many-body systems and string theory. This informative monograph provides a detailed introduction to statistical spectroscopy, a technique that combines the best aspects of the shell-model microscopic approach with the purely statistical approaches used in certain nuclear reaction theories and random matrix studies. This handbook describes statistical spectroscopy in language that enables the nonspecialist to grasp the matter easily, and at the same time gathers the most important techniques in one place, making this book a valuable reference for nuclear physicists interested in applying this method to their research. Covers all the phenomenological and experimental data on nuclear physics and demonstrates the latest experimental developments that can be obtained. Introduces modern theories of fundamental processes, in particular the electroweak standard model, without using the sophisticated underlying quantum field theoretical tools. Incorporates all major present applications of nuclear physics at a level that is both understandable by a majority of physicists and scientists of many other fields, and usefull as a first introduction for students who intend to pursue in the domain. Written primarily for researchers and graduate students who are new in this emerging field, this book develops the necessary tools so that readers can follow the latest advances in this subject. Readers are first guided to examine the basic informations on nucleon–nucleon collisions and the use of the nucleus as an arena to study the interaction of one nucleon with another. A good survey of the relation between nucleon–nucleon and nucleus–nucleus collisions provides the proper comparison to study phenomena involving the more exotic quark-gluon plasma. Properties of the quark-gluon plasma and signatures for its detection are discussed to aid future searches and exploration for this exotic matter. Recent experimental findings are summarised. Contents:IntroductionKinematic VariablesNucleon–Nucleon CollisionsHard Processes in Nucleon–Nucleon CollisionsParticle Production in a Strong FieldParticle Production in Two-Dimensional Quantum

ElectrodynamicsClassical String ModelDual Parton ModelQuarks, Gluons, and Quark–Gluon PlasmaLattice Gauge TheoryResults from Lattice Gauge TheoryNucleus–Nucleus CollisionsHigh-Energy Heavy-Ion Collisions and Quark-Gluon PlasmaSignatures for the Quark–Gluon Plasma (I – V)SummaryIndex Readership: Nuclear physicists. Keywords:High-Energy;Heavy-Ion;High-Energy Heavy-Ion Collisions;Quark-Gluon Plasma;Relativistic Heavy-Ion Collisions;High-Energy Nuclear CollisionsReview: “The book is very well written and I can recommend it to all graduate students and researchers interested in the field of RHICs.” Journal of Physics G: Nuclear and Particle Physics