

Quantum Physics 2nd Ed

Eventually, you will definitely discover a supplementary experience and capability by spending more cash. nevertheless when? do you put up with that you require to acquire those all needs following having significantly cash? Why dont you try to get something basic in the beginning? Thats something that will guide you to comprehend even more almost the globe, experience, some places, afterward history, amusement, and a lot more?

It is your totally own time to exploit reviewing habit. in the midst of guides you could enjoy now is **quantum physics 2nd ed** below.

Quantum Mechanics Demystified - David McMahon
2005-12-13

This clear, concise introduction to quantum mechanics is the perfect supplement and complement to the math-heavy texts that dominate the field. The author includes hundreds of worked examples to illustrate the processes discussed and Dirac's Method, explains how to obtain a desired result in familiar terms rather than with confusing terminology and formulas.

Quantum Physics - James Glimm
2012-12-06

Describes fifteen years' work which has led to the construction of solutions to non-linear relativistic local field equations in 2 and 3 space-time dimensions. Gives proof of the existence theorem in 2 dimensions and describes many properties of the solutions.

Modern Quantum Mechanics - J. J. Sakurai
2020-09-17

A comprehensive and engaging textbook, providing a graduate-

level, non-historical, modern introduction of quantum mechanical concepts.

Geometry of Quantum Theory - Veeravalli S. Varadarajan 1970

Applied Quantum Mechanics - A. F. J. Levi 2006-06

This updated and expanded edition makes quantum mechanics accessible to electrical engineers, mechanical engineers, materials scientists and applied physicists by using real-world applications and engineering examples. Numerous illustrations, exercises, worked examples and problems are included; Matlab source codes to support the text are available from www.cambridge.org//9780521860963.

Quantum Information Theory - Mark M. Wilde 2017-02-06

Developing many of the major, exciting, pre- and post-millennium developments from the ground up, this book is an ideal entry point for graduate students into quantum information theory. Significant

attention is given to quantum mechanics for quantum information theory, and careful studies of the important protocols of teleportation, superdense coding, and entanglement distribution are presented. In this new edition, readers can expect to find over 100 pages of new material, including detailed discussions of Bell's theorem, the CHSH game, Tsirelson's theorem, the axiomatic approach to quantum channels, the definition of the diamond norm and its interpretation, and a proof of the Choi-Kraus theorem.

Discussion of the importance of the quantum dynamic capacity formula has been completely revised, and many new exercises and references have been added. This new edition will be welcomed by the upcoming generation of quantum information theorists and the already established community of classical information theorists.

Introduction to Quantum Mechanics - David J. Griffiths 2017

This bestselling textbook

teaches students how to do quantum mechanics and provides an insightful discussion of what it actually means.

Quantum Mechanics II - Rubin H. Landau 2008-07-11

Here is a readable and intuitive quantum mechanics text that covers scattering theory, relativistic quantum mechanics, and field theory. This expanded and updated Second Edition - with five new chapters - emphasizes the concrete and calculable over the abstract and pure, and helps turn students into researchers without diminishing their sense of wonder at physics and nature. As a one-year graduate-level course, *Quantum Mechanics II: A Second Course in Quantum Theory* leads from quantum basics to basic field theory, and lays the foundation for research-oriented specialty courses. Used selectively, the material can be tailored to create a one-semester course in advanced topics. In either case, it addresses a broad audience of students in the

physical sciences, as well as independent readers - whether advanced undergraduates or practicing scientists.

Quantum Mechanics, Second edition - Paul C.W. Davies 2018-04-27

Quantum mechanics is the key to modern physics and chemistry, yet it is notoriously difficult to understand. This book is designed to overcome that obstacle. Clear and concise, it provides an easily readable introduction intended for science undergraduates with no previous knowledge of quantum theory, leading them through to the advanced topics usually encountered at the final year level. Although the subject matter is standard, novel techniques have been employed that considerably simplify the technical presentation. The authors use their extensive experience of teaching and popularizing science to explain the many difficult, abstract points of the subject in easily comprehensible language. Helpful examples and thorough sets of exercises are also given

to enable students to master the subject.

Local Quantum Physics Rudolf Haag 2012-12-06

The new edition provided the opportunity of adding a new chapter entitled "Principles and Lessons of Quantum Physics". It was a tempting challenge to try to sharpen the points at issue in the long lasting debate on the Copenhagen Spirit, to assess the significance of various arguments from our present vantage point, seventy years after the advent of quantum theory, where, after all, some problems appear in a different light. It includes a section on the assumptions leading to the specific mathematical formalism of quantum theory and a section entitled "The evolutionary picture" describing my personal conclusions. Altogether the discussion suggests that the conventional language is too narrow and that neither the mathematical nor the conceptual structure are built for eternity. Future theories will demand radical changes though not in the direction of a

return to determinism.

Essential lessons taught by Bohr will persist. This chapter is essentially self-contained. Some new material has been added in the last chapter. It concerns the characterization of specific theories within the general frame and recent progress in quantum field theory on curved space-time manifolds. A few pages on renormalization have been added in Chapter II and some effort has been invested in the search for mistakes and unclear passages in the first edition. The central objective of the book, expressed in the title "Local Quantum Physics", is the synthesis between special relativity and quantum theory together with a few other principles of general nature. Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles - Robert Eisberg 1985 A revision of a successful junior/senior level text, this introduction to elementary quantum mechanics clearly explains the properties of the most important quantum systems. Emphasizes the

applications of theory, and contains new material on particle physics, electron-positron annihilation in solids and the Mossbauer effect. Includes new appendices on such topics as crystallography, Fourier Integral Description of a Wave Group, and Time-Independent Perturbation Theory.

**Quantum Mechanics,
Volume 1** - Claude Cohen-Tannoudji 2019-12-04

This new edition of the unrivalled textbook introduces the fundamental concepts of quantum mechanics such as waves, particles and probability before explaining the postulates of quantum mechanics in detail. In the proven didactic manner, the textbook then covers the classical scope of introductory quantum mechanics, namely simple two-level systems, the one-dimensional harmonic oscillator, the quantized angular momentum and particles in a central potential. The entire book has been revised to take into account new developments in quantum

mechanics curricula. The textbook retains its typical style also in the new edition: it explains the fundamental concepts in chapters which are elaborated in accompanying complements that provide more detailed discussions, examples and applications. * The quantum mechanics classic in a new edition: written by 1997 Nobel laureate Claude Cohen-Tannoudji and his colleagues Bernard Diu and Franck Lalœ * As easily comprehensible as possible: all steps of the physical background and its mathematical representation are spelled out explicitly * Comprehensive: in addition to the fundamentals themselves, the book contains more than 350 worked examples plus exercises Claude Cohen-Tannoudji was a researcher at the Kastler-Brossel laboratory of the Ecole Normale Supérieure in Paris where he also studied and received his PhD in 1962. In 1973 he became Professor of atomic and molecular physics at the Collège des France. His main

research interests were optical pumping, quantum optics and atom-photon interactions. In 1997, Claude Cohen-Tannoudji, together with Steven Chu and William D. Phillips, was awarded the Nobel Prize in Physics for his research on laser cooling and trapping of neutral atoms. Bernard Diu was Professor at the Denis Diderot University (Paris VII). He was engaged in research at the Laboratory of Theoretical Physics and High Energy where his focus was on strong interactions physics and statistical mechanics. Franck Laloë was a researcher at the Kastler-Brossel laboratory of the Ecole Normale Supérieure in Paris. His first assignment was with the University of Paris VI before he was appointed to the CNRS, the French National Research Center. His research was focused on optical pumping, statistical mechanics of quantum gases, musical acoustics and the foundations of quantum mechanics. *Quantum Mechanics, Second edition* Paul C.W. Davies

1994-06-30

Quantum mechanics is the key to modern physics and chemistry, yet it is notoriously difficult to understand. This book is designed to overcome that obstacle. Clear and concise, it provides an easily readable introduction intended for science undergraduates with no previous knowledge of quantum theory, leading them through to the advanced topics usually encountered at the final year level. Although the subject matter is standard, novel techniques have been employed that considerably simplify the technical presentation. The authors use their extensive experience of teaching and popularizing science to explain the many difficult, abstract points of the subject in easily comprehensible language. Helpful examples and thorough sets of exercises are also given to enable students to master the subject.

Quantum Physics - Florian Scheck 2014-07-08

Scheck's Quantum Physics presents a comprehensive

introductory treatment, ideally suited for a two-semester course. Part One covers the basic principles and prime applications of quantum mechanics, from the uncertainty relations to many-body systems. Part Two introduces relativistic quantum field theory and ranges from symmetries in quantum physics to electroweak interactions. Numerous worked-out examples as well as exercises, with solutions or hints, enables the book's use as an accompanying text for courses, and also for independent study. For both parts, the necessary mathematical framework is treated in adequate form and detail. The book ends with appendices covering mathematical fundamentals and enrichment topics, plus selected biographical notes on pioneers of quantum mechanics and quantum field theory. The new edition was thoroughly revised and now includes new sections on quantization using the path integral method and on

deriving generalized path integrals for bosonic and fermionic fields.

[A Modern Approach to Quantum Mechanics](#) - John S. Townsend 2000

Inspired by Richard Feynman and J.J. Sakurai, [A Modern Approach to Quantum Mechanics](#) allows lecturers to expose their undergraduates to Feynman's approach to quantum mechanics while simultaneously giving them a textbook that is well-ordered, logical and pedagogically sound. This book covers all the topics that are typically presented in a standard upper-level course in quantum mechanics, but its teaching approach is new. Rather than organizing his book according to the historical development of the field and jumping into a mathematical discussion of wave mechanics, Townsend begins his book with the quantum mechanics of spin. Thus, the first five chapters of the book succeed in laying out the fundamentals of quantum mechanics with little or no wave mechanics, so the physics

is not obscured by mathematics. Starting with spin systems it gives students straightforward examples of the structure of quantum mechanics. When wave mechanics is introduced later, students should perceive it correctly as only one aspect of quantum mechanics and not the core of the subject.

Quantum Mechanics - Leslie E. Ballentine 2014-08-25

Although there are many textbooks that deal with the formal apparatus of quantum mechanics (QM) and its application to standard problems, none take into account the developments in the foundations of the subject which have taken place in the last few decades. There are specialized treatises on various aspects of the foundations of QM, but none that integrate those topics with the standard material. This book aims to remove that unfortunate dichotomy, which has divorced the practical aspects of the subject from the interpretation and broader implications of the theory. In this edition a new

chapter on quantum information is added. As the topic is still in a state of rapid development, a comprehensive treatment is not feasible. The emphasis is on the fundamental principles and some key applications, including quantum cryptography, teleportation of states, and quantum computing. The impact of quantum information theory on the foundations of quantum mechanics is discussed. In addition, there are minor revisions to several chapters. The book is intended primarily as a graduate level textbook, but it will also be of interest to physicists and philosophers who study the foundations of QM. Parts of it can be used by senior undergraduates too.

Introduction to Quantum Mechanics - David J. Griffiths 2018-08-16

"The purpose of this book is to teach you how to do quantum mechanics."--Préface.

Quantum Mechanics - H.A. Kramers 2018-05-16

Masterful exposition develops important concepts from

experimental evidence and theory related to wave nature of free particles. Topics include classical mechanics of point particles and problems of atomic and molecular structure. 1957 edition.

[A Modern Approach to Quantum Mechanics](#) - John S. Townsend 2012

This is the primary textbook for an upper level undergraduate course on Quantum Mechanics.

Introduction to Quantum Mechanics - S. M. Blinder 2020-10-16

Introduction to Quantum Mechanics, Second Edition presents an accessible, fully-updated introduction on the principles of quantum mechanics. The book outlines the fundamental concepts of quantum theory, discusses how these arose from classic experiments in chemistry and physics, and presents the quantum-mechanical foundations of many key scientific techniques. Chapters cover an introduction to the key principles underpinning quantum mechanics, differing types of molecular structures,

bonds and behaviors, and applications of quantum mechanical theory across a number of important fields, including new chapters on Density Functional Theory, Statistical Thermodynamics and Quantum Computing. Drawing on the extensive experience of its expert author, this book is a reliable introduction to the principles of quantum mechanics for anyone new to the field, and a useful refresher on fundamental knowledge and latest developments for anyone more experienced in the field. Presents a fully updated accounting that reflects the most recent developments in Quantum Theory and its applications Includes new chapters on Special Functions, Density Functional Theory, Statistical Thermodynamics and Quantum Computers Presents additional problems and exercises to further support learning

Principles of Quantum Mechanics - R. Shankar 2012-12-06

R. Shankar has introduced

major additions and updated key presentations in this second edition of Principles of Quantum Mechanics. New features of this innovative text include an entirely rewritten mathematical introduction, a discussion of Time-reversal invariance, and extensive coverage of a variety of path integrals and their applications. Additional highlights include: - Clear, accessible treatment of underlying mathematics - A review of Newtonian, Lagrangian, and Hamiltonian mechanics - Student understanding of quantum theory is enhanced by separate treatment of mathematical theorems and physical postulates - Unsurpassed coverage of path integrals and their relevance in contemporary physics The requisite text for advanced undergraduate- and graduate-level students, Principles of Quantum Mechanics, Second Edition is fully referenced and is supported by many exercises and solutions. The book's self-contained chapters also make

it suitable for independent study as well as for courses in applied disciplines.

What is Quantum Mechanics?
Transnational College of LEX.
1996

Quantum Physics For Dummies - Steven Holzner
2013-01-29

Your plain-English guide to understanding and working with the micro world Quantum Physics For Dummies, Revised Edition helps make quantum physics understandable and accessible. From what quantum physics can do for the world to understanding hydrogen atoms, readers will get complete coverage of the subject, along with numerous examples to help them tackle the tough equations.

Compatible with classroom text books and courses, Quantum Physics For Dummies, Revised Edition lets students study at their own paces and helps them prepare for graduate or professional exams. Coverage includes: The Schrodinger Equation and its Applications
The Foundations of Quantum

Physics Vector Notation Spin Scattering Theory, Angular Momentum, and more Quantum physics — also called quantum mechanics or quantum field theory — can be daunting for even the most dedicated student or enthusiast of science, math, or physics. This friendly, concise guide makes this challenging subject understandable and accessible, from atoms to particles to gases and beyond. Plus, it's packed with fully explained examples to help you tackle the tricky equations like a pro! Compatible with any classroom course — study at your own pace and prepare for graduate or professional exams Your journey begins here — understand what quantum physics is and what kinds of problems it can solve Know the basic math — from state vectors to quantum matrix manipulations, get the foundation you need to proceed Put quantum physics to work — make sense of Schrödinger's equation and handle particles bound in square wells and harmonic oscillators Solve

problems in three dimensions — use the full operators to handle wave functions and eigenvectors to find the natural wave functions of a system Discover the latest research — learn the cutting-edge quantum physics theories that aim to explain the universe itself
Lectures on Quantum Mechanics - Ashok Das 2003
These are the lecture notes from a two-semester graduate course and a two-semester undergraduate course taught by the author. The lectures are arranged in a logical manner and reflect the informality of the classroom. Each topic is explained with several examples so that the ideas develop naturally, which is immensely helpful to students. The book is self-contained; most of the steps in the development of the subject are derived in detail and integrals are either evaluated or listed when needed. The motivated student can work through the notes independently and without difficulty. The book is suitable for graduate students in mathematics or advanced

undergraduates in physics interested in an introduction to quantum mechanics.

Introduction to Quantum

Mechanics - Harald J W

Müller-Kirsten 2012-07-19

This text on quantum mechanics begins by covering all the main topics of an introduction to the subject. It then concentrates on newer developments. In particular it continues with the perturbative solution of the Schrödinger equation for various potentials and thereafter with the introduction and evaluation of their path integral counterparts. Considerations of the large order behavior of the perturbation expansions show that in most applications these are asymptotic expansions. The parallel consideration of path integrals requires the evaluation of these around periodic classical configurations, the fluctuation equations about which lead back to specific wave equations. The period of the classical configurations is related to temperature, and permits transitions to the

thermal domain to be classified as phase transitions. In this second edition of the text important applications and numerous examples have been added. In particular, the chapter on the Coulomb potential has been extended to include an introduction to chemical bonds, the chapter on periodic potentials has been supplemented by a section on the band theory of metals and semiconductors, and in the chapter on large order behavior a section has been added illustrating the success of converging factors in the evaluation of asymptotic expansions. Detailed calculations permit the reader to follow every step.

Advanced Quantum

Mechanics - Freeman J. Dyson 2011

Renowned physicist and mathematician Freeman Dyson is famous for his work in quantum mechanics, nuclear weapons policy and bold visions for the future of humanity. In the 1940s, he was responsible for demonstrating the equivalence of the two

formulations of quantum electrodynamics. OCo Richard Feynman's diagrammatic path integral formulation and the variational methods developed by Julian Schwinger and Sin-Itiro Tomonaga OCo showing the mathematical consistency of QED. This invaluable volume comprises the legendary lectures on quantum electrodynamics first given by Dyson at Cornell University in 1951. The late theorist Edwin Thompson Jaynes once remarked, OC For a generation of physicists they were the happy medium: clearer and better motivated than Feynman, and getting to the point faster than SchwingerOCO. This edition has been printed on the 60th anniversary of the Cornell lectures, and includes a foreword by science historian David Kaiser, as well as notes from Dyson's lectures at the Les Houches Summer School of Theoretical Physics in 1954. The Les Houches lectures, described as a supplement to the original Cornell notes, provide a more detailed look at

field theory, a careful and rigorous derivation of Fermi's Golden Rule, and a masterful treatment of renormalization and Ward's Identity. Future generations of physicists are bound to read these lectures with pleasure, benefiting from the lucid style that is so characteristic of Dyson's exposition.

Introduction to the

Quantum Theory - David Park
1974

Quantum Mechanics in Hilbert Space - Eduard Prugovecki
2006-12-01

A rigorous, critical presentation of the mathematics of nonrelativistic quantum mechanics, this text is suitable for advanced undergraduate and graduate courses in functional analysis. Exercises, hints, solutions.
1981 edition.

Functional Integration and Quantum Physics - Barry Simon
2005

Focuses on probabilistic foundations of the Feynman-Kac formula. Starting with main examples of Gaussian

processes (the Brownian motion, the oscillatory process, and the Brownian bridge), this book presents four different proofs of the Feynman-Kac formula.

Quantum Principles and Particles, Second Edition -

Walter Wilcox 2019-08-23

This textbook offers a unique introduction to quantum mechanics progressing gradually from elementary quantum mechanics to aspects of particle physics. It presents the microscopic world by analysis of the simplest possible quantum mechanical system (spin 1/2). A special feature is the author's use of visual aids known as process diagrams, which show how amplitudes for quantum mechanical processes are computed. The second edition includes a new chapter and problems on time-dependent processes, in addition to new material on quantum computing and improved illustrations. Key Features: Provides a completely updated text with expanded contents. Includes a brand new chapter

on time-dependent processes and expanded coverage of recent developments in particle physics. Emphasizes a visual approach employing process diagrams and utilizing new figures. Incorporates quantum information theory in a new appendix, with other helpful supplements on notation, lattice models, weak flavor mixing, and numerical simulations.

Lectures on Quantum Mechanics - Steven Weinberg
2015-09-10

Nobel Laureate Steven Weinberg demonstrates exceptional insight in this fully updated concise introduction to modern quantum mechanics for graduate students.

Quantum Mechanics - B. H. Bransden 2000

Exercise problems after each chapter

Quantum Mechanics - Nouredine Zettili 2009-02-24
Quantum Mechanics: Concepts and Applications provides a clear, balanced and modern introduction to the subject. Written with the student's background and ability in mind

the book takes an innovative approach to quantum mechanics by combining the essential elements of the theory with the practical applications: it is therefore both a textbook and a problem solving book in one self-contained volume. Carefully structured, the book starts with the experimental basis of quantum mechanics and then discusses its mathematical tools. Subsequent chapters cover the formal foundations of the subject, the exact solutions of the Schrödinger equation for one and three dimensional potentials, time-independent and time-dependent approximation methods, and finally, the theory of scattering. The text is richly illustrated throughout with many worked examples and numerous problems with step-by-step solutions designed to help the reader master the machinery of quantum mechanics. The new edition has been completely updated and a solutions manual is available on request. Suitable for senior undergraduate courses and

graduate courses.

Modern Quantum Mechanics - J. J. Sakurai 2017-09-21

A comprehensive and engaging textbook, providing a graduate-level, non-historical, modern introduction of quantum mechanical concepts.

Lectures on Quantum Mechanics - Steven Weinberg 2013

"Ideally suited to a one-year graduate course, this textbook is also a useful reference for researchers. Readers are introduced to the subject through a review of the history of quantum mechanics and an account of classic solutions of the Schr.

Quantum Field Theory in a Nutshell - A. Zee 2010-02-01

A fully updated edition of the classic text by acclaimed physicist A. Zee. Since it was first published, *Quantum Field Theory in a Nutshell* has quickly established itself as the most accessible and comprehensive introduction to this profound and deeply fascinating area of theoretical physics. Now in this fully revised and expanded edition,

A. Zee covers the latest advances while providing a solid conceptual foundation for students to build on, making this the most up-to-date and modern textbook on quantum field theory available. This expanded edition features several additional chapters, as well as an entirely new section describing recent developments in quantum field theory such as gravitational waves, the helicity spinor formalism, on-shell gluon scattering, recursion relations for amplitudes with complex momenta, and the hidden connection between Yang-Mills theory and Einstein gravity. Zee also provides added exercises, explanations, and examples, as well as detailed appendices, solutions to selected exercises, and suggestions for further reading. The most accessible and comprehensive introductory textbook available. Features a fully revised, updated, and expanded text. Covers the latest exciting advances in the field. Includes new exercises. Offers a one-of-

a-kind resource for students and researchers. Leading universities that have adopted this book include: Arizona State University, Boston University, Brandeis University, Brown University, California Institute of Technology, Carnegie Mellon College, Cornell University, Harvard University, Massachusetts Institute of Technology, Northwestern University, Ohio State University, Princeton University, Purdue University - Main Campus, Rensselaer Polytechnic Institute, Rutgers University - New Brunswick, Stanford University, University of California - Berkeley, University of Central Florida, University of Chicago, University of Michigan, University of Montreal, University of Notre Dame, Vanderbilt University, Virginia Tech University.

Quantum Mechanics, Second Edition - Paul C. W. Davies 2017-08-15

Quantum mechanics is the key to modern physics and chemistry, yet it is notoriously

difficult to understand. This book is designed to overcome that obstacle. Clear and concise, it provides an easily readable introduction intended for science undergraduates with no previous knowledge of quantum theory, leading them through to the advanced topics usually encountered at the final year level. Although the subject matter is standard, novel techniques have been employed that considerably simplify the technical presentation. The authors use their extensive experience of teaching and popularizing science to explain the many difficult, abstract points of the subject in easily comprehensible language. Helpful examples and thorough sets of exercises are also given to enable students to master the subject.

Quantum Physics - Stephen Gasiorowicz 2003-04-17

Balances mathematical discussions with physical discussions. * Derivations are complete and the theory is applied whenever possible. * Gasiorowicz is a world class

researcher in quantum physics.
Introductory Quantum Physics and Relativity Jacob

Dunningham 2018-04-09

This book is a revised and updated version of Introductory Quantum Physics and Relativity. Based on lectures given as part of the undergraduate degree programme at the University of Leeds, it has been extended in line with recent developments in the field. The book contains all the material required for quantum physics and relativity in the first three years of a traditional physics degree, in addition to more interesting and up-to-date extensions and applications which include quantum field theory, entanglement, and quantum information science. The second edition is unique as an undergraduate textbook as it combines quantum physics and relativity at an introductory level. It expounds the foundations of these two subjects in detail, but also illustrates how they can be combined. It discusses recent applications, but also exposes

undergraduates to cutting-edge research topics, such as laser cooling, Bose-Einstein condensation, tunneling microscopes, lasers, nonlocality, and quantum teleportation. Contents: Introduction Old Quantum Theory Quantum Mechanics Applications of Quantum Mechanics Schrödinger Equation in Three Dimensions Spin and Statistics Atoms, Molecules and Lasers Formal Structure of Quantum Mechanics Second Revolution: Relativity Fine Structure of the Hydrogen Atom Relativistic Quantum Mechanics Quantum Entanglement Solutions Readership: Students taking undergraduate-level courses in quantum physics and relativity. Keywords: Quantum Physics; Relativity Review: Key Features: Combines Quantum Physics and Relativity. Covers the two subjects in a more coherent way than existing

books. Many universities teach quantum physics and relativity together as one lecture course and so a book that covers both but also shows how they can be combined is a valuable resource. Modern Choice of Topics. We will draw on topics from our own research to bring the two subjects up to date and give students a taste of cutting edge research. Examples will include such things as laser cooling, Bose condensation, tunneling microscopes, lasers, Bell's inequalities, quantum teleportation. Has questions and answers -- ideal for self-study. This is pitched at typical exam level and so will be excellent for exam practice

Quantum Physics - Alistair I. M. Rae 2005-07

Offers an introduction to quantum physics, discussing its scientific basis, the philosophical problems it presents, practical applications, and potential impact on the future.