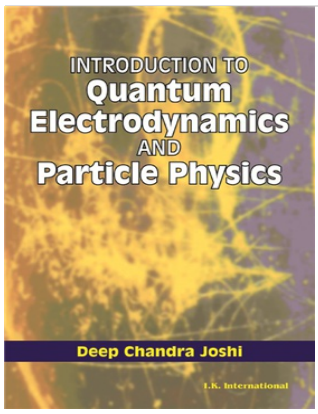
Book Information Sheet



Introduction to Quantum Electrodynamics and Particle Physics, 1/e

Deep Chandra Joshi

2009 | 560 pp | Paperback | ISBN: 9788188237937 | Price: 475.00

About the Book

The present book targets particle physics students but it would also be quite useful for general postgraduate students in physics. Besides, students preparing for various competitive examinations particularly related to higher education including research would also find the contents substantially meeting their requirements. Most of the topics forming the model syllabus of University Grants Commission for Post Graduate Particle Physics (III Semester), Nuclear and Particle Physics (IV Semester, Strong, Weak and Electromagnetic Interactions) and Quantum Electrodynamics have been covered in the book. The topics have been developed in a pedagogical manner by providing all possible algebraic details. Assignments have been given at the end of each chapter. The assignments contain descriptive questions as well as problems. Most of the questions are based on the material of the chapter itself. A new feature of the book is that it has a substantial number of objective-type questions that follow the assignments of each chapter to help prepare the students for GATE, NET and related examinations.

Salient Features

- The book gives a cogent account of the major theories of physics surrounding particle quantum electrodynamics and particle physics.
- Due care has been taken to include maximum possible steps while deriving the equations, which helps in easy understanding.
- All the chapters includes assignment exercises and objective questions for practice (with answers).
- Appendixes further elaborate on conventions, green's functions of field theory, Schwinger's action principle, electromagnetic field, and continuous and secrete symmetries.

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1.Elementary particles
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3.Symmetries and Groups
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