

Bransden And Joachain Solutions Manual

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Written as a collection of problems, hints and solutions, this book should provide help in learning about both fundamental and applied aspects of this vast field of knowledge, where rapid and exciting developments are taking place.

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The importance of the field of atomic physics to modern technology cannot be overemphasized. Atomic physics served as a major impetus to the development of the quantum theory of matter in the early part of the twentieth century and, due to the availability of the laser as a laboratory tool, it has taken us into the twenty-first century with an abundance of new and exciting phenomena to understand. Our intention in writing this book is to provide a foundation for students to begin research in modern atomic physics. As the title implies, it is not, nor was it intended to be, an all-inclusive tome covering every aspect of atomic physics. Any specialized textbook necessarily reflects the predilection of the authors toward certain aspects of the subject. This one is no exception. It reflects our belief that a thorough understanding of the unique properties of the hydrogen atom is

