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The book concludes with a brief discussion of the more modern topics in quantum field theory, namely Yang-Mills theories, spontaneous symmetry breaking and the standard electroweak theory. Goldstone bosons and the Higgs mechanism are discussed at the classical level. Also, the Weinberg-Salam-Glashow model for leptons is discussed, and the main predictions are worked out.

Quantum Field Theory has the advantage over J. J. Sakurai's Advanced Quantum Mechanics (Addison Wesley, Reading, Mass., 1967)—another book aimed at the same audience-in that it has been written 17 years later, so that technical improvements such as dimensional regularization; fundamental advances such as electroweak interactions; and the topic of spontaneous symmetry breaking can be included. Sakurai's book is more discursive: There is much more on the Dirac equation, more playing around with the results of calculations in various limits, and more use of invariance principles in the interpretation of physical results. The book under review is more directed. Both books have good problems. An excellent course could be constructed with either book, using supplementary sections from the other

Since recent technological advances have led to the publication of many books that look as if they have come straight off the word processor, I feel that it is important to compliment the publishers on turning out an extremely attractive book.

Stephen Gasiorowicz University of Minnesota in Minneapolis

book note

Niels Bohr: The Man, His Science and the World They Changed Ruth Moore

MIT Press, Cambridge, Mass., 1985. 436 pp. \$9.95 paper

Ruth Moore's biography of Niels Bohr, originally published in 1966 (Knopf, New York), is still the only full, booklength biography of the physicist published in the English language. Therefore we have to welcome this new paperback edition of the biography as a valuable addition to the existing literature on Bohr.

Throughout the book, Moore discusses the most important concepts of atomic and quantum physics necessary for understanding Bohr's work, making the book accessible to the nonscientist. The book also covers Bohr's political life, his participation in the anti-Nazi movement, his efforts to avert a nuclear arms race and his work towards the peaceful use of atomic energy.

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