1. Record Nr. UNINA9910458622703321 Autore Sachs Mendel Titolo Concepts of modern physics [[electronic resource]]: the Haifa lectures // Mendel Sachs Pubbl/distr/stampa London, : Imperial College Press Singapore, : Distributed by World Scientific, 2007 **ISBN** 1-281-86761-6 9786611867614 1-86094-839-1 Descrizione fisica xiv, 129 p Disciplina 539 Soggetti Physics - History - 20th century Physics - Philosophy Quantum theory Relativity (Physics) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di bibliografia Includes bibliographical references (p. 116-122) and index. Nota di contenuto Philosophy of Science; Classical Precursors for the Concepts of Modern Physics; Nineteenth-Century Physics: Atomism and Continuity; Early Anomalies and Elementary Particles; From the Old Quantum Theory to Quantum Mechanics; Quantum Mechanics: Heisenberg's Matrix Mechanics and the Copenhagen School; Concepts of the Theory of Relativity: From Special to General Relativity: The Universe: Conflicts in the Foundations of the Quantum and Relativity Theories. Sommario/riassunto Highlighting foundational issues in theoretical physics, this work expresses the flow of ideas in physics - from the period of Galileo and Newton to the contemporary ideas of the quantum and relativity theories, astrophysics and cosmology - as explanations for the laws of

matter.