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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Sub-nucleonic Structure and the Modern Picture of Isotopes -- Early Spectroscopic Studies of Isotopes -- Isotopes in Condensed Matter -- Effects Related to Isotopic Disorder in Solids -- Traditional Applications of Stable and Radioactive Isotopes.
Sommario/riassunto	This book provides a concise introduction to the newly created sub-discipline of solid state physics isotopetronics. The role of isotopes in materials and their properties are describe in this book. The problem of the enigma of the atomic mass in microphysics is briefly discussed. The range of the applications of isotopes is wide: from biochemical process in living organisms to modern technical applications in quantum information. Isotopetronics promises to improve nanoelectronic and optoelectronic devices. With numerous illustrations this book is useful to researchers, engineers and graduate students.