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Soggetti	Nuclear physics Heavy ions Particle acceleration Physical measurements Measurement Nuclear Physics, Heavy Ions, Hadrons Particle Acceleration and Detection, Beam Physics Measurement Science and Instrumentation
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Nota di contenuto	The Why and How of Radioactive Beams -- Shell Model from a Practitioner's Point of View -- Halo Nuclei -- In-Flight Separation of Projectile Fragments -- Measurement of Mass and Beta-Lifetime of Stored Exotic Nuclei -- Traps for Rare Isotopes -- Decay Studies of NZ-Nuclei -- Gamma-Ray and Conversion-Electron Spectroscopy of Exotic Heavy Nuclei -- Selected Topics in Reaction Studies with Exotic Beams -- Weak Interaction Studies by Precision Decay Experiments in Nuclear Beta Decay -- Nuclear Processes in Stellar Environments -- Medical Applications of Accelerated Ions.
Sommario/riassunto	Research with radioactive ion beams has entered a new era with the advent of energetic beams of radioactive nuclei that are capable of inducing nuclear reactions. The present book is the first volume of edited lectures based on material presented at the Euros school on Exotic Beams over the past years. It introduces the graduate student and nonspecialist scientist from related areas into various topics

encompassing theoretical, experimental as well as application-related aspects of this growing field of research.
