1. Record Nr. UNINA990000655350403321

Autore	Convegno internazionale di storia urbanistica : <1. ; : 1975
Titolo	Atti del 1. convegno internazionale di storia urbanistica, Lucca 24-28 settembre 1975 : gli studi di storia urbanistica : confronto di metodologie e risultati. La storiografia urbanistica / redazione a cura di Roberta Martinelli, Lucia Nuti
Pubbl/distr/stampa	Lucca : CISCU, 1976
Descrizione fisica	355 p. : ill. ; 20 cm
Locazione	DINST
Collocazione	01 ST 139
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910865257503321

Autore	Gargiulo Simone
Titolo	Electromagnetic Processes of Nuclear Excitation : From Direct Photoabsorption to Free Electron and Muon Capture / / by Simone Gargiulo
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031562624
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (141 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5061
Disciplina	539.754
Soggetti	Nuclear physics Nuclear chemistry Nuclear engineering Electric batteries Materials Nuclear Physics Nuclear Chemistry Nuclear Energy Batteries

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Nuclear Isomers -- Nuclear Excitation by Electron Capture -- Nuclear Excitation by Free Muon Capture -- Nuclear Excitations in Optical-laser Generated Plasma. .
Sommario/riassunto	For decades, scientists have envisioned the possibility of storing energy in the form of nuclear excitations, resulting in specific nuclear configurations known as isomers. These unique metastable states have the ability to maintain their excited state for periods that range from several years to time spans exceeding the age of the Universe. However, despite numerous research efforts, achieving effective and practical control over isomer activation or depletion continues to be an unresolved challenge. This book delves into the world of isomers, beginning with an accessible overview of their essential properties and significance as long-duration energy storage solutions. Across the chapters, the book delves into diverse electromagnetic mechanisms responsible for nuclear excitation. It presents the ongoing debate surrounding the Nuclear Excitation by Electron Capture (NEEC) process, offering a comprehensive historical background that ranges from its early proposal to the latest tools employed for its investigation. The subsequent chapter explores the possibilities of using muons, introducing a novel process called Nuclear Excitation by Free Muon Capture (NEC). The primary aim of these sections is to identify methods that could either increase the likelihood of these nuclear processes or provide real-time external manipulation over them. In the last chapter, the book revisits the process of nuclear photoabsorption in optical laser-generated plasma through experimental efforts, offering a fresh interpretation of existing literature results. Overall, the book delivers a clear and comprehensive overview, aiming to assist newcomers and established scientists in quickly grasping the core aspects of the subjects, possibly guiding their research endeavors. Hopefully, this resource will act as a catalyst for sparking new ideas while providing insights into the intricacies and opportunities presented by nuclear excitations within the realm of nuclear physics.