1. Record Nr. UNINA9910427687603321

Autore	Atkinson Mack C.
Titolo	Developing nucelon self-energies to generate the ingredients for the description of nuclear reactions / / Mack C. Atkinson
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-53114-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XI, 143 p. 54 illus., 49 illus. in color.)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	539.75
Soggetti	Nuclear reactions Particles (Nuclear physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1: Introductory Remarks -- Chapter2: Theoretical Background -- Chapter3: A DOM Analysis of 40Ca(e; e0p)39K -- Chapter4: Neutron Skin Thickness of Asymmetric Nuclei -- Chapter5: DOM Binding Energies and Nuclear Matter -- Chapter6: Momentum Distributions -- Chapter7: Conclusions and Outlook.
Sommario/riassunto	This thesis develops the dispersive optical model into a tool that allows for the assessment of the validity of nuclear reaction models, thereby generating unambiguous removal probabilities of nucleons from valence orbits using the electron-induced proton knockout reaction. These removal probabilities document the substantial quantitative degree in which nuclei deviate from the independent-particle model description. Another outcome reported within is the prediction for the neutron distribution of Ca-40, Ca-48, and Pb-208. The neutron radii of these nuclei have direct relevance for the understanding of neutron stars and are currently the subject of delicate experiments. Unlike other approaches, the current method is consistent with all other relevant data and describes nuclei beyond the independent-particle model. Finally, a new interpretation of the saturation probabilities of infinite nuclear matter is proposed suggesting that the semi-empirical mass formula must be supplemented with a better extrapolation from nuclei to infinite matter.

2. Record Nr. UNINA9910291729903321

Autore	Feindt Gregor
Titolo	Sport under Unexpected Circumstances : : Violence, Discipline, and Leisure in Penal and Internment Camps / / Gregor Feindt, Anke Hillbrenner, Dittmar Dahlmann
Pubbl/distr/stampa	Vandenhoeck & Ruprecht, 2018 Gottingen : , : Vandenhoeck & Ruprecht, , 2018
Descrizione fisica	1 online resource (285 p.)
Collana	Veröffentlichungen des Instituts für Europäische Geschichte Mainz
Soggetti	History / Europe History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Sport was an integral part of life in camps during the twentieth century, even in Nazi concentrations camps or in the Soviet Gulag. Traditionally perceived as a symbol of equality, play, and peacefulness, sport under such unexpected circumstances irritates most observers, back then and today. This volume studies the irritating fact of sport in penal and internment camps as an important insight into the history of camps. The authors enquire into case studies of sport being played in different forms of camps around the globe and throughout the twentieth century. They challenge our understanding of camps, question the dichotomy of insiders and outsiders, inner-camp hierarchies, and the everyday experience of violence. This fresh perspective complements the existing camp studies and gives way for the subjectivity of camp inmates and their action.