

1. Record Nr.	UNINA9910437983403321
Titolo	Exciting interdisciplinary physics : quarks and gluons, atomic nuclei, relativity and cosmology, biological systems / / Walter Greiner, editor
Pubbl/distr/stampa	Heidelberg, : Springer International Publishing, 2013
ISBN	3-319-00047-0
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (503 p.)
Collana	FIAS interdisciplinary science series
Altri autori (Persone)	GreinerWalter <1935-2016.>
Disciplina	539.7092
Soggetti	Physics Nuclear physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Superheavy Elements -- Nuclear Structure and Reactions -- High-Energy Nuclear Physics -- Astrophysics, Particle Physics -- Atomic Physics -- Theoretical Biology -- Photographs.
Sommario/riassunto	Nuclear physics is an exciting, broadly faceted field. It spans a wide range of topics, reaching from nuclear structure physics to high-energy physics, astrophysics and medical physics (heavy ion tumor therapy). New developments are presented in this volume and the status of research is reviewed. A major focus is put on nuclear structure physics, dealing with superheavy elements and with various forms of exotic nuclei: strange nuclei, very neutron rich nuclei, nuclei of antimatter. Also quantum electrodynamics of strong fields is addressed, which is linked to the occurrence of giant nuclear systems in, e.g., U+U collisions. At high energies nuclear physics joins with elementary particle physics. Various chapters address the theory of elementary matter at high densities and temperature, in particular the quark gluon plasma which is predicted by quantum chromodynamics (QCD) to occur in high-energy heavy ion collisions. In the field of nuclear astrophysics, the properties of neutron stars and quark stars are discussed. A topic which transcends nuclear physics is discussed in two chapters: The proposed pseudocomplex extension of Einstein's General Relativity leads to the prediction that there are no black holes and that big bang cosmology has to be revised. Finally, the interdisciplinary nature of this volume is further accentuated by

chapters on protein folding and on magnetoreception in birds and many other animals.

2. Record Nr.	UNINA9910349429303321
Titolo	Database Systems for Advanced Applications : 23rd International Conference, DASFAA 2018, Gold Coast, QLD, Australia, May 21-24, 2018, Proceedings, Part II // edited by Jian Pei, Yannis Manolopoulos, Shazia Sadiq, Jianxin Li
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	9783319914589 3319914588
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XXIV, 834 p. 279 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 10828
Disciplina	005.74
Soggetti	Database management Data mining Application software Artificial intelligence Social sciences - Data processing Computer networks Database Management Data Mining and Knowledge Discovery Computer and Information Systems Applications Artificial Intelligence Computer Application in Social and Behavioral Sciences Computer Communication Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This two-volume set LNCS 10827 and LNCS 10828 constitutes the

refereed proceedings of the 23rd International Conference on Database Systems for Advanced Applications, DASFAA 2018, held in Gold Coast, QLD, Australia, in May 2018. The 83 full papers, 21 short papers, 6 industry papers, and 8 demo papers were carefully selected from a total of 360 submissions. The papers are organized around the following topics: network embedding; recommendation; graph and network processing; social network analytics; sequence and temporal data processing; trajectory and streaming data; RDF and knowledge graphs; text and data mining; medical data mining; security and privacy; search and information retrieval; query processing and optimizations; data quality and crowdsourcing; learning models; multimedia data processing; and distributed computing. .
