1.	Record Nr.	UNINA9910257398003321
	Titolo	Dynamics of Nuclear Fission and Related Collective Phenomena [[electronic resource]] : Proceedings of the International Symposium on “Nuclear Fission and Related Collective Phenomena and Properties of Heavy Nuclei”, Bad Honnef, Germany, October 26–29, 1981 / / edited by P. David, T. Mayer-Kuckuk, A. van der Woude
	Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1982
	ISBN	3-540-39224-6
	Edizione	[1st ed. 1982.]
	Descrizione fisica	1 online resource (X, 467 p. 30 illus.)
	Collana	Lecture Notes in Physics, , 0075-8450 ; ; 158
	Disciplina	539.7092
	Soggetti	Nuclear physics Heavy ions Nuclear fusion Nuclear Physics, Heavy Ions, Hadrons Nuclear Fusion
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di contenuto	Cold rearrangement of nucleons in fission and fusion -- Fast and slow fission -- Cold fragmentation of 234U and 236U -- A combinatorial analysis of pair-breaking in fission -- Muon-induced fission -- Study of muon-induced fission with the photoemulsion-method -- Self-consistent microscopic description of fission the scission mechanism -- The lowest ?-vibrational phonon in the second minimum of 236,238 U -- 232Th fission barrier characteristics from the 232Th (p,p?f) reaction -- 232Th subthreshold photofission angular distributions -- Asymmetrically deformed states of 231,233Th during the fission process -- High resolution energy measurement in (d,pf) reactions -- Angular distribution and total kinetic energy for 232Th(n,f) -- Study of energy dissipation in 234U fission from the 233U(d,pf) reaction -- Structure of the mass distribution of the fission fragments of 3He induced fission of 169Tm -- The cosi fan tutte project -- Entrance channel properties of (d,pf) reactions on 232TH and 238U -- Energy dissipation / Nuclear shell effects in fission -- Pair excitations in low

energy fission -- On the semiclassical description of adiabatic nuclear motion -- Identification of a shape isomeric band in 32S -- Spin-isospin modes in electron scattering and charge exchange reactions -- Distribution of the isoscalar giant quadrupole resonance strength in 208Pb -- Splitting and broadening of giant resonances in uranium due to deformation -- Fission decay as a measure of statistical equilibration of coherent collective modes -- Excitation and fission decay of new isoscalar giant resonances -- Investigation of the fission decay of the GQR in 238U by e?- and e+-induced fission, and tests of DWBA virtual photon spectra -- Study of the E2 strength distribution in 238U by (e,e?f) coincidence experiments -- Decay of the giant quadrupole resonance region in 208Pb -- Experimental evidence for giant multipole resonances at high excitation energies -- Isotopic effect on giant resonances -- Spin-flip probability as a tool to determine nuclear shapes -- Large rearrangement of masses in collisions between heavy nuclei -- Statistical and dynamical aspects of heavy-ion collisions -- Nuclear compressibility and high-energy nucleus-nucleus collisions -- Linear momentum transfer, fission and light particle emission in 12C induced reactions at 30, 60 and 84 MeV/u -- Momentum transfer in light ion-induced fission -- The influence of shell effects on the survival probability of heavy nuclei produced in fusion reactions -- Fission and evaporation in 300 MEV 35Cl induced reactions -- Fusion near the barrier in the system 132XE + natFE -- 12C induced reactions at 84 MeV/u -- Statistical fluctuations in heavy ion collisions -- Cooperative nuclear reactions - Pionic and radiative fusion - -- Coherent ?-production in subthreshold nucleus-nucleus collisions -- Elementary building stones of matter and collective phenomena.

2. Record Nr. UNINA9910131026803321

Autore	Willatzen Morten
Titolo	Separable boundary-value problems in physics / / Morten Willatzen and Lok C. Lew Yan Voon
Pubbl/distr/stampa	Weinheim, Germany, : Wiley-VCH, 2011
ISBN	9786613173621 9783527634934 3527634932 9781283173629 128317362X 9783527634941 3527634940 9783527634927 3527634924
Descrizione fisica	1 online resource (401 p.)
Altri autori (Persone)	Lew Yan VoonLok C
Disciplina	530.15535
Soggetti	Boundary value problems Mathematical 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 and index.
Nota di contenuto	pt. 1. Preliminaries -- pt. 2. Two-dimensional coordinate systems -- pt. 3. Three-dimensional coordinate systems -- pt. 4. Advanced formulations.
Sommario/riassunto	Innovative developments in science and technology require a thorough knowledge of applied mathematics, particularly in the field of differential equations and special functions. These are relevant in modeling and computing applications of electromagnetic theory and quantum theory, e.g. in photonics and nanotechnology. The problem of solving partial differential equations remains an important topic that is taught at both the undergraduate and graduate level. Separable Boundary-Value Problems in Physics is an accessible and comprehensive treatment of partial differential equations i