

1. Record Nr.	UNINA9910807913003321
Titolo	Nuclear physics at border lines : proceedings of the international conference, Lipari, Italy, 21-24 May 2001 // editors, Giovanni Fazio ... [et al.]
Pubbl/distr/stampa	Singapore ; ; River Edge, NJ, : World Scientific, c2002
ISBN	981-277-832-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (420p.)
Altri autori (Persone)	FazioGiovanni G. <1933->
Disciplina	539.7
Soggetti	Nuclear physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Opening Talk: Nuclear Structure at Border Lines (Yu Ts Oganessian); Hard Photons: A Probe of Dynamical Effects in Heavy Ion Collisions at Intermediate Energy (R Alba et al.); Studying Exotic Nuclei Through Direct Reactions (Y Blumenfeld); Isospin Effects on Instabilities and Fragmentation Mechanisms (M Colonna et al.); New Opportunities with Beams of Rare Isotopes in the US (C K Gelbke); Preliminary Results and Future Activities at the GARFIELD Apparatus (F Gramegna et al.); Mean-Field Calculations of Super-Heavy Elements (P H Heenen); Recent Experiments and Plans for the Synthesis of Superheavy Elements at the GSI SHIP (S Hofmann); Nuclear Fission at Border Lines (M G Itkis et al.); Many-Body Theory at Extreme Isospin (H Lenske et al.); Probing Correlations in Many-Body Haloes (F M Marques Moreno); Theoretical Approaches and Experimental Evidences for Liquid-Vapor Phase Transitions in Nuclei (L G Moretto et al.); Study of Halo-Structure in Radioactive He and Li Nuclei with Proton Elastic Scattering (A V Dobrovolsky et al.); Effects of the Shell Structure in Reactions Leading to the Same Compound Nucleus or Different Isotopes (A K Nasirov et al.); New Magic Number, N=16, Near the Neutron Drip Line (A Ozawa); Experiments on Super-Heavy Nuclei at GANIL (J Peter et al.); Thermodynamics of Hot Nuclei: Multifragmentation and Phase Transition (M F Rivet); Structure and Properties of Superheavy Nuclei (I Muntian & A Sobiczewski); Backtraced Neutron Multiplicities and Capture Dynamics in the Superheavy Region (L Stuttge et al.);

Astrophysical S Factors from Asymptotic Normalization Coefficients (R E Tribble et al.); and other papers.

Sommario/riassunto

A collection of invited talks and oral contributions presented by the leading scientists in their fields, summarizing the progress of, and new prospects for, nuclear physics research. The papers constitute the proceedings of the International Conference on Nuclear Physics at Border Lines.
