Record Nr. UNINA9910451350103321 A new era of nuclear structure physics [[electronic resource]]: **Titolo** proceedings of the international symposium, Kurokawa Village, Niigata, Japan, 19-22 November, 2003 / / editors, Yasuyuki Suzuki ... [et al.] New Jersey.: World Scientific, c2004 Pubbl/distr/stampa **ISBN** 1-281-89845-7 9786611898458 981-270-240-7 Descrizione fisica 1 online resource (401 p.) Altri autori (Persone) SuzukiYasuyuki Disciplina 539.7/4 Soggetti **Nuclear physics** Nuclear structure Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Preface; Contents; Opening address A . Hasegawa Y. Suzuki; Nuclear Nota di contenuto force and few-body systems; Hypernuclei and computational methods; Nuclear structure from realistic forces and shell model; Nuclear shapes and rotation; Light exotic nuclei; Light exotic nuclei and clustering; Heavy exotic nuclei; Mean-field methods and effective interactions; Shell structure in exotic nuclei: Deformation and shell structure: Excitation of exotic nuclei; Density and gamma-transitions of unstable nuclei; Spectroscopy of unstable nuclei; Poster Session; Program; List of **Participants** Sommario/riassunto This book is a collection of invited talks, oral contributions and poster contributions devoted to advances in nuclear physics. It covers a broad range of topics on nuclear physics, including nuclear force. hypernuclei, nuclear structure, exotic nuclei, clustering, mean-field method, shell structure, nuclear deformation, unstable nuclei, and related topics. The proceedings have been selected for coverage in:. Index to Scientific & Technical Proceedings® (ISTP® / ISI Proceedings). Index to Scientific & Technical Proceedings (ISTP CDROM version / ISI

Proceedings). CC Proceedings - Engineer