| Record Nr.  | UNINA9910828814903321   |
|---|---|
| Titolo  | Accelerator physics, technology, and applications : selected lectures of OCPA International Accelerator School 2002, Singapore / / editors, Alexander Wu Chao, Herbert O. Moser, Zhentang Zhao  |
| Pubbl/distr/stampa  | River Edge, N.J., : World Scientific, c2004   |
| ISBN  | 1-281-89883-X<br>9786611898830<br>981-270-280-6   |
| Edizione  | [1st ed.]   |
| Descrizione fisica  | 1 online resource (639 p.)  |
| Altri autori (Persone)  | ChaoAlex<br>MoserHerbert O<br>ZhaoZhentang  |
| Disciplina  | 539.73  |
| Soggetti  | Particle accelerators<br>Beam dynamics<br>Synchrotron radiation   |
| Lingua di pubblicazione   | Indese  |
| Lingua di pubblicazione   | inglese   |
| Formato   | Materiale a stampa  |
| Formato<br>Livello bibliografico  | Materiale a stampa<br>Monografia  |
| Formato<br>Livello bibliografico<br>Note generali                         | Materiale a stampa<br>Monografia<br>3rd International Accelerator School held under the auspices of the<br>Overseas Chinese Physics Association (OCPA).   |
| Formato<br>Livello bibliografico<br>Note generali<br>Nota di bibliografia | Materiale a stampa<br>Monografia<br>3rd International Accelerator School held under the auspices of the<br>Overseas Chinese Physics Association (OCPA).<br>Includes bibliographical references. |

1.

|                    | <ul> <li>T. Zhao; Vacuum System J. R. Chen; RFQ Design and Performance<br/>Jiaxun Fang; Insertion Devices: Wigglers and Undulators C. S. Hwang;<br/>Medical and Industrial Applications of Electron Accelerators Yuzheng<br/>Lin</li> <li>High Gain Free Electron Lasers Li Hua Yu Proton Therapy: Accelerator<br/>Aspects and Procedures Hans- Udo Klein, Detlef Krischel; Introduction<br/>to Synchrotron Radiation Applications H. O. Mosel, O. Wilhelmi, P. Yang</li> </ul>  |
|--------------------|--|
| Sommario/riassunto | Originally invented for generating the first artificial nuclear reactions,<br>particle accelerators have undergone, during the past 80 years, a<br>fascinating development that is an impressive example of the<br>inventiveness and perseverance of scientists and engineers. Since the<br>early 1980's, accelerator science and technology has been booming.<br>Today, accelerators are the prime tool for high energy physics to probe<br>the structure of matter to an unknown depth. They are also, as<br>synchrotron radiation sources, the most versatile tool for characterizing<br>materials and processes and for producing micro- and |