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| 1. Record Nr. | UNINA9910783132903321 |
| Autore | Charlton M (Michael), <1956-> |
| Titolo | Positron physics // M. Charlton, J.W. Humberston [[electronic resource]] |
| Pubbl/distr/stampa | Cambridge : , : Cambridge University Press, , 2001 |
| ISBN | 1-107-11183-8 1-280-41457-X 9786610414574 0-511-06540-X 1-139-14670-X 0-511-17252-4 0-511-05907-8 0-511-31057-9 0-511-53520-1 0-511-06753-4 |
| Descrizione fisica | 1 online resource (x, 454 pages) : digital, PDF file(s) |
| Collana | Cambridge monographs on atomic, molecular, and chemical physics ; ; 11 |
| Disciplina | 539.7/214 |
| Soggetti | Positrons Positronium |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Title from publisher's bibliographic system (viewed on 05 Oct 2015). |
| Nota di bibliografia | Includes bibliographical references (p. 393-447) and index. |
| Nota di contenuto | Introduction -- Total scattering cross sections -- Elastic scattering -- Positronium formation -- Excitation and ionization -- Positron annihilation -- Positronium and its interactions -- Exotic species involving positrons. |
| Sommario/riassunto | This book provides a comprehensive and up-to-date account of the field of low energy positrons and positronium within atomic and molecular physics. It begins with an introduction to the field, discussing the background to low energy positron beams, and then covers topics such as total scattering cross sections, elastic scattering, positronium formation, excitation and ionisation, annihilation and positronium interactions. Each chapter contains a blend of theory and |

experiment, giving a balanced treatment of all the topics. The book will be useful for graduate students and researchers in physics and chemistry. It is ideal for those wishing to gain rapid, in-depth knowledge of this unique branch of atomic physics.
