Record Nr. UNISA996466679103316 Very High Resolution Photoelectron Spectroscopy [[electronic resource] **Titolo** /] / edited by Stephan Hüfner Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, Pubbl/distr/stampa 2007 **ISBN** 1-280-81692-9 9786610816927 3-540-68133-7 [1st ed. 2007.] Edizione Descrizione fisica 1 online resource (409 p.) Collana Lecture Notes in Physics, , 0075-8450 ; ; 715 Disciplina 543/.62 Soggetti Solid state physics Spectroscopy Microscopy Atomic structure Molecular structure Physical measurements Measurement Materials—Surfaces Thin films Solid State Physics Spectroscopy and Microscopy Atomic/Molecular Structure and Spectra Measurement Science and Instrumentation Surfaces and Interfaces, Thin Films Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali

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Many-Body Effects -- Photoemission Spectroscopy with Very High Nota di contenuto

Energy Resolution: Studying the Influence of Electronic Correlations on the Millielectronvolt Scale -- Photoemission as a Probe of the Collective

Excitations in Condensed Matter Systems -- High-resolution

Photoemission Spectroscopy of Solids Using Synchrotron Radiation --

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Sommario/riassunto

Photoemission spectroscopy is one of the most extensively used methods to study the electronic structure of atoms, molecules, and solids and their surfaces. The present volume introduces and surveys the field at highest energy and momentum resolutions allowing for a new range of applications, in particular for studies of high temperature superconductors. This book will be a valuable tool for anyone wishing to get acquainted with the state of the art in the field.