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Nota di contenuto	-- Introduction. -- Photoemission Spectroscopy. -- Experimental Apparatus. -- CDW-Induced Band Modification in AV3Sb5. -- Effects of Cs Dosing and Nb Substitution to CsV3Sb5. -- Micro-ARPES Study of AV3Sb5. -- Summary.
Sommario/riassunto	This book presents high-resolution angle-resolved photoemission spectroscopy (ARPES) experiments on kagome superconductors KV3Sb5, RbV3Sb5, and CsV3Sb5—an ideal material family for studying rich physical phenomena originating from the geometric structure of kagome lattice—with the aim of elucidating the electronic structure and the origin of charge density wave (CDW) and superconductivity. The book begins with an introduction to kagome superconductors, followed by a description of ARPES which is the main tool used in the presented work in this book. The part of the experimental results consists of three chapters: The first chapter describes observation of low-energy excitations, Fermi-surface and momentum-dependent CDW gap by

high-resolution ARPES on CsV3Sb5 and KV3Sb5; the second chapter shows evolution of electronic states upon alkali-metal dosing and isovalent substitution, and discusses their relation to modulation of physical properties; the other chapter provides the result of micro-ARPES on KV3Sb5, RbV3Sb5, and CsV3Sb5, and demonstrates the surface-termination- and alkali-metal-dependent three dimensional CDW character. .