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Nota di bibliografia	Includes bibliographical references (p. 187-205) and index.
Nota di contenuto	Hetero-phase detectors and history of development of emission detectors -- Emission of charge carriers from working media of emission detectors -- Generation of signals in massive emission detectors -- Emission ionization chambers -- Emission detectors with physical amplification of signals -- Imaging emission detectors -- Emission detectors for low-background experiments -- Applications of emission detectors.
Sommario/riassunto	After decades of research and development, emission detectors have recently become the most successful instrumentation used in modern fundamental experiments searching for cold dark matter, and are also considered for neutrino coherent scattering and magnetic momentum neutrino measurement. This book is the first monograph exclusively dedicated to emission detectors. Properties of two-phase working media based on noble gases, saturated hydrocarbon, ion crystals and semiconductors are reviewed.