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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction; Tilman Sauer and Raphael Scholl -- Chapter 1: Telling and Evaluating Philosophical Tales about the Scientific Past; Theodore Arabatzis -- Chapter 2: "Baseline" and "Snapshot": Some Philosophical Reflections on an Approach to Historical Case Studies; Giora Hon -- Chapter 3: The Pluralism of Theory-Laden Narratives: Can Case Studies Decide Arguments in the Philosophy of Science? Katherina Kinzel -- Chapter 4: The Lotka-Volterra Model Revisited; Tarja Knuuttila and Andrea Loettgers -- Chapter 5: Underdetermination in 19th Century Electrodynamics: Developing a Philosophical Position Based on a Historical Case Study; Wolfgang Pietsch -- Chapter 6: Case Studies: Why the Philosopher's Dilemma Misses the Point; Kärin Nickelsen -- Chapter 7: Multiple Perspectives on the Stern-Gerlach Experiment; Tilman Sauer -- Chapter 8: The Role of Case Studies in the New Experimentalism; Friedrich Steinle -- Chapter 9: Towards a Methodology for Integrated History and Philosophy of Science; Raphael Scholl and Tim Rätz -- Chapter 10: The Discovery of Elementary Particles: Why We Should Bother about the Ways of Telling the Story; Adrian Wüthrich.
Sommario/riassunto	This volume collects reflections on the role of philosophy in case

studies in the history of science. Case studies have played a prominent role in recent history and philosophy of science. They have been used to illustrate, question, explore, or explicate philosophical points of view. Even if not explicitly so, historical narratives are always guided by philosophical background assumptions. But what happens if different philosophies lead to different narratives of the same historical episodes? Can historical case studies decide between competing philosophical viewpoints? What are the criteria that a case study has to fulfill in order to be philosophically relevant? Bringing together leading practitioners in the fields of history and philosophy of the physical and the life sciences, this volume addresses this methodological problem and proposes ways of rendering explicit philosophical assumptions of historical work.
