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Nota di contenuto	Editorial -- From the Vienna Circle to the Institute Vienna Circle: On the Viennese Legacy in Contemporary Philosophy of Science; Friedrich Stadler -- I -- A Matter of Substance? Gaston Bachelard on Chemistry's Philosophical Lessons; Cristina Chimisso -- Carnap's Aufbau and Physicalism: What Does the "Mutual Reducibility" of Psychological and Physical Objects Amount to?; Thomas Uebel -- On the Relationship between Neuroscience and Philosophy: the Case of Sleep and Dreaming; Claude Debru -- Metaphysics in the Thirties: And Why Should Anyone Care Now? Richard Creath -- II -- Probabilistic Epistemology: A European Tradition; Maria Carla Galavotti -- Reductionism today; Michael Esfeld -- Betting Interpretation and the Problem of Interference; Wlodek Rabinowicz and Lina Eriksson -- III. - Mathematics and Experience; Ladislav Kvasz -- Gödel and Carnap. Platonism versus Conventionalism?; Eckehart Köhler -- What is the Status of the Hardy-Weinberg Law within Population Genetics?; Pablo Lorenzano -- IV -- Kazimierz Twardowski and the Development of Philosophy of Science in Poland; Jan Woleski -- V -- Vienna Circle on Determinism; Tomasz Placek -- Infinite Idealizations; John D. Norton

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Sommario/riassunto

This volume combines the theoretical and historical perspective focusing on the specific features of a European philosophy of science. On the occasion of the 20th anniversary of the Institute Vienna Circle the Viennese roots and influences will be addressed, in addition. There is no doubt that contemporary philosophy of science originated mainly in Europe beginning in the 19th century and has influenced decisively the subsequent development of globalized philosophy of science, esp. in North America. Recent research in this field documents some specific characteristics of philosophy of science covering the natural, social, and also cultural sciences in the European context up to the destruction and forced migration caused by Fascism and National Socialism. This European perspective with the integration of history and philosophy of science and the current situation in the philosophy of science after the transatlantic interaction and transformation, and the "return" after World War II raises the question of contemporary European characteristics in the philosophy of science. The role and function of the renowned Vienna Circle of Logical Empiricism and its impact and influence on contemporary philosophy of science is on the agenda, too. Accordingly, the general topic is dealt with in two parallel sessions representing systematic-formal as well as genetic-historical perspectives on philosophy of science in a European context up to the present.
