

1. Record Nr.	UNINA9910695388803321
Titolo	Business and industry guaranteed loan program [[electronic resource]]
Pubbl/distr/stampa	[Washington, D.C.] : , : U.S. Dept. of Agriculture, Rural Development, Rural Business-Cooperative Service, , [2002]
Edizione	[Rev. Jan. 2002.]
Descrizione fisica	1 volume : digital, PDF file
Collana	PA ; ; 1565
Soggetti	Loans - United States - Government guaranty Government lending - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Sept. 19, 2006). "Revised January 2002."

2. Record Nr.	UNISA996320834303316
Titolo	Traditions and transformations in the history of quantum physics : HQ-3, Third International Conference on the History of Quantum Physics, Berlin, June 28-July 2, 2010 // Shaul Katzir, Christoph Lehner, Jurgen Renn (editors)
Pubbl/distr/stampa	Edition Open Access, 2013
Descrizione fisica	1 electronic resource (352 p.)
Collana	Proceedings 5: Max Planck Research Library for the History and Development of Knowledge
Disciplina	530.1209
Soggetti	Quantum theory - History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	From classical to quantum physics. Theoretical challenges by experimental physics : radiation and its interaction with matter / Shaul Katzir. Challenging the boundaries between classical and quantum physics : the case of optical dispersion / Marta Jordi Taltavull. Putting the quantum to work : Otto Sackur's pioneering exploits in the quantum theory of gases / Massimiliano Badino and Bretislav Friedrich -- Quantum mechanics in the making. The concepts of light atoms and light molecules and their final interpretation / Dieter Fick and Horst Kant. Early interactions of quantum statistics and quantum mechanics / Daniela Monaldi. Pourparlers for amalgamation : some early sources of quantum gravity research / Dean Rickles -- Extending the framework of quantum physics. Superposing dynamos and electrons : electrical engineering and quantum physics in the case of Nishina Yoshio / Kenji Ito. The origins of Maria Goppert's dissertation on two-photon quantum transitions at Gottingen's Institutes of Physics, 1920-1933 / Barry R. Masters. An act of creation : the Meitner-Frisch interpretation of nuclear fission / Roger H. Stuewer -- The challenges of quantum field theory. Tsung-Sui Chang's contribution to the quantization of constrained Hamiltonian systems / Xiaodong Yin, Zhongyuan Zhu, Donald C. Salisbury. Feynman's struggle and Dyson's surprise : the development and early application of a new means of representation /

Adrian Wuthrich -- Traditions and debates in recent quantum physics. Orthodoxies on the interpretation of quantum theory : the case of the consistent history approach / Olival Freire. From do-it-yourself quantum mechanics to nanotechnology? : the history of experimental semiconductor physics, 1970-2000 / Christian Kehr.

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## Sommario/riassunto

More than a century after the beginning of the quantum revolution, historians continue to explore new facets in the history of quantum physics, and to re-examine some of its better-known aspects. The thirteen papers collected in this volume, by authors from five continents, present central trends in the current study of quantum physics within its theoretical, experimental, philosophical, technological and social contexts. They discuss developments from the late nineteenth to the early twenty-first century and go beyond the traditional focus on Europe and North America to include China and Japan, and beyond the Heisenbergs and Diracs to reveal the role of actors who hitherto have played only a marginal role in historical account, but left their mark on the development of quantum physics. Also a wider array of subdisciplines comes into view, from optics to quantum gravity through quantum electrodynamics, from atomic and nuclear to condense matter physics and foundations of physics. Moreover, the volume shows that fields such as dispersion, physical chemistry and solid state physics should not be seen merely as areas of applications of ideas that evolved in other contexts, but should be regarded as birthplaces of important theoretical insights. The perspective of the papers ranges from local histories to global discussions, from conceptual changes via the role of experimentation to interactions with social and technological forces and to the interpretation of the theory.

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