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Titolo

The birth of string theory / / edited by Andrea Cappelli, INFN, Florence, Elena Castellani, Department of Philosophy, University of Florence, Filippo Colomo, INFN, Florence, Paolo Di Vecchia, Nordita, Stockholm and Niels Bohr Institute, Copenhagen [[electronic resource]]

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Note generali

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Nota di bibliografia

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Nota di contenuto

; Part I. Overview: ; 1. Introduction and synopsis; ; 2. Rise and fall of the hadronic string / Gabriele Veneziano; ; 3. Gravity, unification, and the superstring / John H. Schwarz; ; 4. Early string theory as a challenging case study for philosophers / Elena Castellani -- ; Part II. The Prehistory: The Analytic S-Matrix: ; 5. Introduction to Part II; ; 6. Particle theory in the sixties: from current algebra to the Veneziano amplitude / Marc Ademollo; ; 7. The path to the Veneziano model / Hector R. Rubinstein; ; 8. Two-component duality and strings / Peter G.O. Freund; ; 9. Note on the prehistory of string theory / Murray Gell-Mann -- ; Part III. The Dual Resonance Model: ; 10. Introduction to Part III; ; 11. From the S-matrix to string theory / Paolo Di Vecchia; ; 12.

Reminiscence on the birth of string theory / Joel A. Shapiro; ; 13. Personal recollections / Daniele Amati; ; 14. Early string theory at Fermilab and Rutgers / Louis Clavelli; ; 15. Dual amplitudes in higher dimensions: a personal view / Claud Lovelace; ; 16. Personal recollections on dual models / Renato Musto; ; 17. Remembering the 'supergroup' collaboration / Francesco Nicodemi; ; 18. The '3-Reggeon vertex' / Stefano Sciuto -- ; Part IV. The String: ; 19. Introduction to Part IV; ; 20. From dual models to relativistic strings / Peter Goddard; ; 21. The first string theory: personal recollections / Leonard Susskind; ; 22. The string picture of the Veneziano model / Holger B. Nielsen; ; 23. From the S-matrix to string theory / Yoichiro Nambu; ; 24. The analogue model for string amplitudes / David B. Fairlie; ; 25. Factorization in dual models and functional integration in string theory / Stanley Mandelstam; ; 26. The hadronic origins of string theory / Richard C. Brower -- ; Part V. Beyond the Bosonic String: ; 27. Introduction to Part V; ; 28. From dual fermion to superstring / David I. Olive; ; 29. Dual models with fermions: memoirs of an early string theorist / Pierre Ramond; ; 30. Personal recollections / Andre Neveu; ; 31. Aspects of fermionic dual models / Edward Corrigan; ; 32. The dual quark models / Korkut Bardakci and Martin B. Halpern; ; 33. Remembering the dawn of relativistic strings / Jean-Loup Gervais; ; 34. Early string theory in Cambridge: personal recollections / Claus Montonen -- ; Part VI. The Superstring: ; 35. Introduction to Part VI; ; 36. Supersymmetry in string theory / Ferdinando Gliozzi; ; 37. Gravity from strings: personal reminiscences of early developments / Tamiaki Yoneya; ; 38. From the Nambu-Goto to the [sigma]-model action / Lars Brink; ; 39. Locally supersymmetric action for the superstring / Paolo Di Vecchia; ; 40. Personal recollections / Eugene Cremmer; ; 41. The scientific contributions of Jooel Scherk / John H. Schwarz -- ; Part VII. Preparing the String Renaissance: ; 42. Introduction to Part VII; ; 43. From strings to superstrings: a personal perspective / Michael B. Green; ; 44. Quarks, strings and beyond / Alexander M. Polyakov; ; 45. The rise of superstring theory / Andrea Cappelli and Filippo Colomo.

Sommario/riassunto

String theory is currently the best candidate for a unified theory of all forces and all forms of matter in nature. As such, it has become a focal point for physical and philosophical discussions. This unique book explores the history of the theory's early stages of development, as told by its main protagonists. The book journeys from the first version of the theory (the so-called dual resonance model) in the late sixties, as an attempt to describe the physics of strong interactions outside the framework of quantum field theory, to its reinterpretation around the mid-seventies as a quantum theory of gravity unified with the other forces, and its successive developments up to the superstring revolution in 1984. Providing important background information to current debates on the theory, this book is essential reading for students and researchers in physics, as well as historians and philosophers of science.

2. Record Nr.	UNINA9910453950903321
Titolo	Globalization and the making of religious modernity in China : transnational religions, local agents, and the study of religion, 1800-present / / edited by Thomas Jansen, Thoralf Klein, and Christian Meyer
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ISBN	90-04-27151-1
Descrizione fisica	1 online resource (436 p.)
Collana	Religion in Chinese Societies, , 1877-6264 ; ; Volume 7
Disciplina	200.951
Soggetti	Globalization Globalization - Religious aspects Electronic books. China Religion
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminary Material -- Introduction: Globalization and the Religious Field in China, 1800–Present / Thomas Jansen , Thoralf Klein and Christian Meyer -- 1 Managing Chinese Religious Pluralism in Nineteenth-Century City God Temples / Vincent Goossaert -- 2 Political Religion in Twentieth-Century China and Its Global Dimension / Thoralf Klein -- 3 The Christian Century of South China: Church, State, and Community in Chaozhou (1860–1990) / Joseph Tse-Hei Lee -- 4 Sectarian Religions and Globalization in Nineteenth-Century China: The Wanbao baojuan (1858) and Other Examples / Thomas Jansen -- 5 Beyond Globalization and Secularization: Changing Religion and Philanthropy in Lukang, Taiwan / Robert P. Weller -- 6 'Mrs. Ma' and 'Ms. Xu': On the Attractiveness of Denoting Oneself a 'Buddhist' in the Increasingly Transnational Milieu of Urban Taiwan / Esther-Maria Guggenmos -- 7 Globalization vs. Localization: Remaking the Cult of Confucius in Contemporary Quzhou / Xiaobing Wang-Riese -- 8 Tibetan Buddhist Books in a Digital Age / Hildegard Diemberger -- 9 A Modern Ruist Religious Vision of a Global Unity: Kang Youwei's Utopian Vision and Its Humanistic Religious Refraction in European

Sinology / Lauren Pfister -- 10 The Buddhist-Christian Encounter in Modern China and the Globalization of Culture / Lai Pan-chiu -- 11 How the 'Science of Religion' (zongjiaoxue) as a Discipline Globalized 'Religion' in Late Qing and Republican China, 1890–1949—Global Concepts, Knowledge Transfer, and Local Discourses / Christian Meyer -- 12 Negotiating Cultural and Religious Identities in the Encounter with the 'Other': Global and Local Perspectives in the Historiography of Late Qing/Early Republican Christian Missions / Dirk Kuhlmann -- 13 Sino-Christian Theology: Treading a Fine Line between Self-Determination and Globalization / Chloë Starr -- Index.

Sommario/riassunto

Globalization and the Making of Religious Modernity in China , co-edited by Thomas Jansen, Thoralf Klein and Christian Meyer, investigates the transformation of China's religious landscape under the impact of global influences since 1800. The interdisciplinary case studies analyze the ways in which processes of globalization are interlinked with localizing tendencies, thereby forging transnational relationships between individuals, the state and religious as well as non-religious groups at the same time that the global concept 'religion' embeds itself in the emerging Chinese 'religious field' and within the new academic disciplines of Religious Studies and Theology. The contributions unravel the intellectual, social, political and economic forces that shaped and were themselves shaped by the emergence of what has remained a highly contested category. The contributors are: Hildegard Diemberger, Vincent Goossaert, Esther-Maria Guggenmos, Thomas Jansen, Thoralf Klein, Dirk Kuhlmann, LAI Pan-chiu, Joseph Tse-Hei Lee, Christian Meyer, Lauren Pfister, Chloë Starr, Xiaobing Wang-Riese, and Robert P. Weller.
