

1. Record Nr.	UNISA996466804503316
Autore	Bacry Henri
Titolo	Localizability and Space in Quantum Physics [[electronic resource] /] / by Henri Bacry
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1988
ISBN	3-540-45908-1
Edizione	[1st ed. 1988.]
Descrizione fisica	1 online resource (VII, 84 p.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 308
Disciplina	530.1/2
Soggetti	Quantum physics Quantum computers Spintronics Quantum Physics Quantum Information Technology, Spintronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Contents: Introduction -- Historical Sketch on the Nature of Light -- The Correspondence Principle, the Wave Corpuscle Duality, the Complementarity Principle and the Slit Experiment -- The Spin Quantization Problem -- Localizability. The Photon Scandal. Quantization Helpless!- A Position Operator for the Photon. Giving up the Complementary Principle -- Departing from the Newton-Wigner- Wightman Axioms -- Is Minkowski Space-time Suitable for Particle Physics?- Appendix A. The Symplectic Structure of Coadjoint Orbits -- Appendix B. The Quantization of the Sphere S <sup>2</sup> -- Appendix C. The Angular Momentum of an Electric Charge in the Monopole Field (an Application of the Noether Theorem) -- Appendix D. Non Localizability of the Classical Massless Particle with Helicity -- Appendix E. The Maxwell Equations and the Poincaré Group -- Appendix F. The Zitterbewegung. The Pryce-Foldy-Wouthuysen Transformation -- Quotations -- Index of Names.
Sommario/riassunto	This book discusses in detail the concept of light quanta (photons) and presents a historical survey of the ideas involved. It analyses critically the principles of complementarity and correspondence as well as the

quantization procedure. The work of Wigner, Newton and Wightman on localized states is discussed. The author presents many new ideas and gives a new way of defining the position operator. He invites physicists to look in new directions and aims to convince the reader that light quanta are not compatible with our present concept of space in quantum physics. The book should be of interest to students as well as to researchers in modern physics and should revive the discussion of the foundations of modern physics.

2. Record Nr.	UNINA9910778483703321
Autore	Bell Simon
Titolo	Measuring Sustainability : Learning by Doing
Pubbl/distr/stampa	Washington, : Earthscan LLC
ISBN	1-136-56133-1 9786610476404 1-4175-2225-9 1-136-56134-X 600-00-0242-4 1-280-47640-0 1-84977-196-0
Edizione	[First edition.]
Descrizione fisica	1 online resource (208 pages) : illustrations
Disciplina	338.9/27
Soggetti	Sustainable development Economic development - Environmental aspects Environmental indicators
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [177]-186) and index.
Nota di contenuto	Contents; List of Figures, Tables and Boxes; Preface; Acknowledgements; List of Acronyms and Abbreviations; Chapter 1: The Brave New Frontier of Sustainability: Where are We?; Chapter 2: Sustainability Indicators: A Brief Review; Chapter 3: Systemic Sustainability Analysis and Prospective; Chapter 4: Doing SPSA: Some Reflective Experience; Chapter 5: New Frontiers of Practice; Chapter 6:

The End of a Journey?; Appendix 1: Systemic and Prospective Sustainability Analysis (SPSA) in Malta; Notes; References; Index; Other titles available from Earthscan

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Sommario/riassunto

' Measuring the sustainability of development is crucial to achieving it and is one of the most actively studied issues in the area. To date most studies of measurements or indicators have been largely theoretical. However this book a follow-on to Bell and Morse's highly influential Sustainability Indicators (1999) presents valuable practical advice on how to develop measurements that will work in real-life development contexts. It describes and analyses how to derive validate and apply indicators in the course of an actual development project.

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