1. Record Nr. UNINA9910451334503321

Titolo	Proceedings of the Dirac Centennial Symposium [[electronic resource]] : Florida State University, Tallahassee, USA, 6-7 December 2002 / / edited by, Howard Baer & Alexander Belyaev
Pubbl/distr/stampa	River Edge, N.J., : World Scientific, c2003
ISBN	1-281-90591-7 9786611905910 981-270-399-3
Descrizione fisica	1 online resource (197 p.)
Altri autori (Persone)	DiracP. A. M <1902-1984.> (Paul Adrien Maurice) BaerHoward <1957-> BelyaevAlexander
Disciplina	530.1/4
Soggetti	Quantum field theory Quantum theory Electronic books.
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.
Nota di contenuto	CONTENTS; Howard Baer and Alexander Belyaev; Preface; 1. Introduction Howard Baer; 2. Paul Dirac: Building Bridges of the Mind Laurie M. Brown; 3. From Reminiscences to Outlook Leopold Halpern; 4. My Father Monica Dirac; 5. The Dirac Equation Rank Wilczek; 6. Anomalous Magnetic Moments William J. Marciano; 7. Dirac's Footsteps and Supersymmetry Pierre Ramond; 8. P.A.M. Dirac and the Development of Modern General Relativity Stanley Deser; 9. Building Atomic Nuclei with the Dirac Equation Brian D. Serot; 10. New Focus on Neutrinos Vernon Barger 11. Dirac's Magnetic Monopoles (Again) Roman W. Jackiw12. Monopoles, Duality, and String Theory Joe Polchinski; 13. Time Variation of Fundamental Constants as a Probe of New Physics Paul Langacker; 14. Amending the Standard Model of Particle Physics Maurice Goldhaber
Sommario/riassunto	Paul Adrian Maurice Dirac (1902-84) is one of the icons of modern physics. His work provided the mathematical foundations of quantum

mechanics. He also made key contributions to quantum field theory and quantum statistical mechanics. He is perhaps best known for formulating the Dirac equation, a relativistic wave equation which described the properties of the electron, and also predicted the existence of anti-matter. He was awarded the Nobel prize in Physics in 1933 along with Erwin Schreodinger for his contributions to quantum theory. The Dirac Centennial Symposium held commemorated the contr