1. Record Nr. UNINA990003320580403321

Autore	Guerard, Albert J.
Titolo	CONRAD THE NOVELIST
Pubbl/distr/stampa	Cambridge : Harvard University Press, 1965
Disciplina	809
Locazione	DECLI
Collocazione	809 GUE
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910163941403321

Autore	Langacker Paul
Titolo	Can the Laws of Physics Be Unified? / / Paul Langacker
Pubbl/distr/stampa	Princeton, NJ : , : Princeton University Press, , [2017] ©2017
Descrizione fisica	1 online resource (285 pages)
Collana	Princeton Frontiers in Physics ; ; 6
Disciplina	530.14/23
Soggetti	Particles (Nuclear physics) Standard model (Nuclear physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- 1. The Epic Quest -- 2. The Three Eras -- 3. Particles, Interactions, and Cosmology -- 4. The Standard Model -- 5. What Don't We Know? -- 6. How Will We Find Out? -- 7. Epilogue: The Dream -- Postscript: Run 2 -- Glossary -- Bibliography -- Index
Sommario/riassunto	A concise introduction to the cutting-edge science of particle physicsThe standard model of particle physics describes our current

understanding of nature's fundamental particles and their interactions, yet gaps remain. For example, it does not include a quantum theory of gravity, nor does it explain the existence of dark matter. Once complete, however, the standard model could provide a unified description of the very building blocks of the universe. Researchers have been chasing this dream for decades, and many wonder whether such a dream can ever be made a reality.Can the Laws of Physics Be Unified? is a short introduction to this exciting frontier of physics. The book is accessibly written for students and researchers across the sciences, and for scientifically minded general readers. Paul Langacker begins with an overview of the key breakthroughs that have shaped the standard model, and then describes the fundamental particles, their interactions, and their role in cosmology. He goes on to explain field theory, internal symmetries, Yang-Mills theories, strong and electroweak interactions, the Higgs boson discovery, and neutrino physics. Langacker then looks at the questions that are still unanswered: What is the nature of the mysterious dark matter and dark energy that make up roughly 95 percent of the universe? Why is there more matter than antimatter? How can we reconcile quantum mechanics and general relativity?Can the Laws of Physics Be Unified? describes the promising theoretical ideas and new experiments that could provide answers and weighs our prospects for establishing a truly unified theory of the smallest constituents of nature and their interactions.