

1. Record Nr.	UNINA9910484033503321
Autore	Stanev Todor
Titolo	High energy cosmic rays / / Todor Stanev
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-71567-1
Edizione	[Third edition.]
Descrizione fisica	1 online resource (xvi, 342 pages) : illustrations
Collana	Astrophysics and space science library, , 2214-7985 ; ; volume 462
Disciplina	523.0197
Soggetti	Cosmic rays
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Overview -- Part I: The Standard Model of Cosmic Rays -- 2. Cosmic Ray Interactions -- 3. The Birth of Cosmic Rays. 4. Cosmic Rays in the Galaxy -- 5. Cosmic Rays at the Top of the Atmosphere -- 6. Cosmic Rays in the Atmosphere -- 7. Cosmic Rays Underground. Part II: Contemporary Challenges -- 8. Cosmic Ray Showers -- 9. The End of the Cosmic Ray Spectrum -- 10. High Energy Neutrino and Gamma-Ray Astronomy.
Sommario/riassunto	This book on high-energy cosmic rays deals in its first part with the standard model of cosmic rays, describing how they are born in a wide range of cosmic processes, how they are accelerated and how they interact with matter, magnetic fields and radiation during their journey across the Galaxy. In its second part the book presents contemporary challenges in very high energy cosmic rays, with focus on their detection in the Earth's atmosphere and underground, as well as new developments in gamma-ray and neutrino astronomy. A decade after the publication of the second edition of this book, there are many new experimental results in the fields of high energy neutrino astronomy and in the whole energy range of detection of gamma-rays. There have also been many attempts for studies for multi-messenger events in these and all other fields. These new experimental efforts and their results are covered in this third edition. This is accompanied by a general analysis of these new results and the additional knowledge that they bring to our understanding of cosmic rays and their propagation

in our Galaxy and extragalactic space. A large part of the interpretation of these new findings is related to the development of the hadronic interaction models that we use to understand and describe the experimental results. The author describes the relation between the new high energy physics experiments and such models. In addition to the discussion of new research, descriptions and graphs of the previous edition have been updated where appropriate. The third edition ends with a discussion of some possible and already planned experiments for future observations and an explanation of their importance for the better understanding of all processes that lead to the increase of our knowledge of high energy cosmic rays. Students and lecturers of advanced undergraduate courses on cosmic rays and astroparticle physics as well as post-graduates and researchers will continue to find this book a valuable source of learning and reference.

2. Record Nr.	UNINA9910787945403321
Autore	McPherson James M.
Titolo	The struggle for equality : abolitionists and the negro in the Civil War and reconstruction / / by James M. McPherson
Pubbl/distr/stampa	Princeton, New Jersey : , : Princeton University Press, , 2014 ©2014
ISBN	0-691-04566-6 1-4008-5223-4
Edizione	[Updated edition with a New Preface]
Descrizione fisica	1 online resource (874 p.)
Collana	Princeton Classics ; ; 12
Altri autori (Persone)	McPhersonJames M
Disciplina	322.440973
Soggetti	Abolitionists African Americans - History - 1863-1877 Enslaved persons - Emancipation - United States History United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- CONTENTS -- PREFACE TO THE PRINCETON CLASSICS

EDITION -- PREFACE -- KEY TO ABBREVIATIONS -- INTRODUCTION --
I. THE ELECTION OF 1860 -- II. SECESSION AND THE COMING OF WAR
-- III. THE EMANCIPATION ISSUE: 1861 -- IV. EMANCIPATION AND
PUBLIC OPINION: 1861-1862 -- V. THE EMANCIPATION
PROCLAMATION AND THE THIRTEENTH AMENDMENT -- VI. THE
NEGRO: INNATELY INFERIOR OR EQUAL? -- VII. FREEDMEN'S
EDUCATION, 1861-1865 -- VIII. THE CREATION OF THE FREEDMEN'S
BUREAU -- IX. MEN OF COLOR , TO ARMS! -- X. THE QUEST FOR EQUAL
RIGHTS IN THE NORTH -- XI. THE BALLOT AND LAND FOR THE
FREEDMEN: 1861-1865 -- XII. THE REELECTION OF LINCOLN -- XIII.
SCHISM IN THE RANKS: 1864-1865 -- XIV. ANDREW JOHNSON AND
RECONSTRUCTION: 1865 -- XV. THE FOURTEENTH AMENDMENT AND
THE ELECTION OF 1866 -- XVI. MILITARY RECONSTRUCTION AND
IMPEACHMENT -- XVII. EDUCATION AND CONFISCATION: 1865-1870
-- XVIII. THE CLIMAX OF THE CRUSADE: THE FIFTEENTH AMENDMENT
-- BIBLIOGRAPHICAL ESSAY -- INDEX

Sommario/riassunto

Originally published in 1964, *The Struggle for Equality* presents an incisive and vivid look at the abolitionist movement and the legal basis it provided to the civil rights movement of the 1960's. Pulitzer Prize-winning historian James McPherson explores the role played by rights activists during and after the Civil War, and their evolution from despised fanatics into influential spokespersons for the radical wing of the Republican Party. Asserting that it was not the abolitionists who failed to instill principles of equality, but rather the American people who refused to follow their leadership, McPherson raises questions about the obstacles that have long hindered American reform movements. This new Princeton Classics edition marks the fiftieth anniversary of the book's initial publication and includes a new preface by the author.
