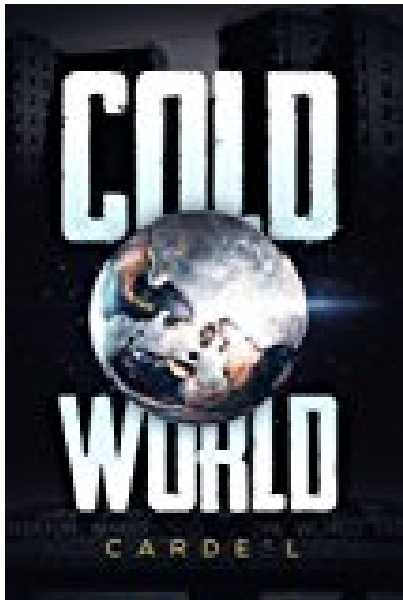


# Cold World Volume 1

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## BOOK DETAILS

- Author : Cardel
- Pages : 318 Pages
- Publisher : Richard L. Jenkins-Edens
- Language : English
- ISBN : 0692831452

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## BOOK SYNOPSIS

The aim of this book is to present review articles describing the latest theoretical and experimental developments in the field of cold atoms and molecules. Our hope is that this series will promote research by both highlighting recent breakthroughs and by outlining some of the most promising research directions in the field.

Contents: Degenerate Quantum Gases of Strontium (Simon Stellmer, Florian Schreck and Thomas C Killian) Fermi Gases with Synthetic Spin-Orbit Coupling (Jing Zhang, Hui Hu, Xia-Ji Liu and Han Pu) The Mott Transition in a Bose Gas Measured Through Time of Flight (K. Jiménez-García and I B Spielman) One-Dimensional Photonic Band Gaps in Optical Lattices (Marina Samoylova, Nicola Piovella, Michael Holynski, Philippe Wilhelm Courteille and Romain Bachelard) Cold and Hot Atomic Vapors: A Testbed for Astrophysics? (Q Baudouin, W Guerin and R Kaiser) Nonlinear Dynamics of Atom-Molecule Conversion (Li-Bin Fu and Jie Liu) Quantum Metrology with Cold Atoms (Jiahao Huang, Shuyuan Wu, Honghua Zhong and Chaohong Lee) Readership: Research scientists including graduate students and upper level undergraduate students. Key Features: This annual volume is unique among other scientific reviews in that it specifically treats the latest and most significant topics and advances in the field of cold atoms and molecules each year. It is comprised of articles from prominent authors who are established leaders in the field. Keywords: Atomic Physics; Molecule Physics; Optical Physics; Low Temperature; Ultracold

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