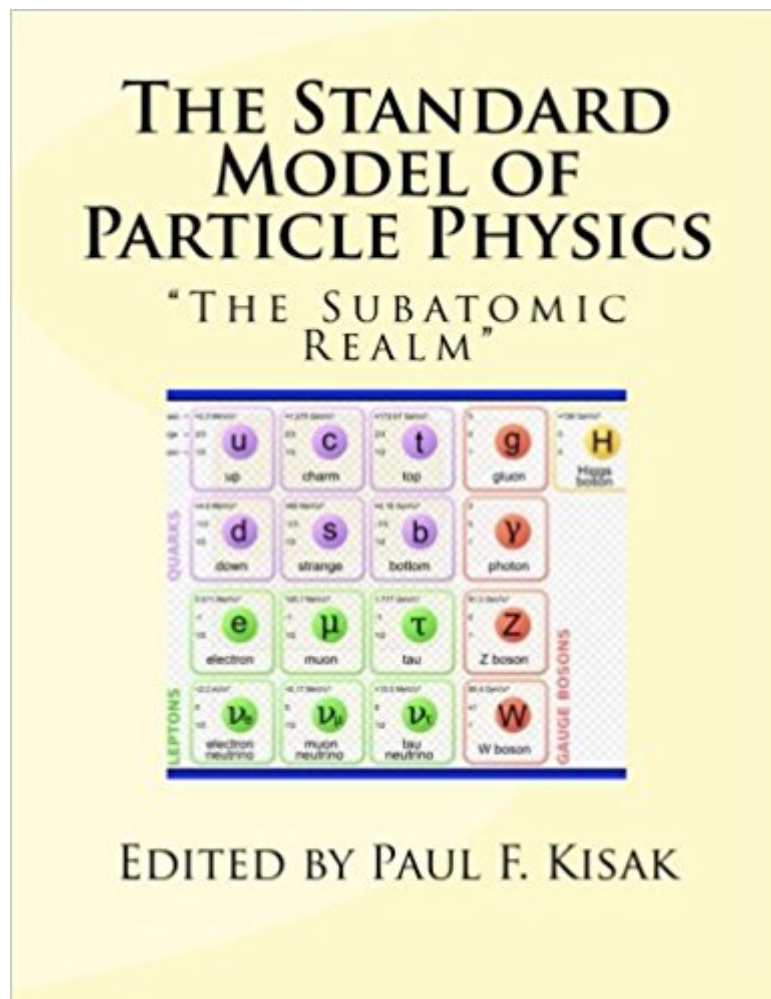




The book was found

# The Standard Model Of Particle Physics: "The Subatomic Realm"



## Synopsis

The Standard Model of particle physics is a theory concerning the electromagnetic, weak, and strong nuclear interactions, as well as classifying all the subatomic particles known. It was developed throughout the latter half of the 20th century, as a collaborative effort of scientists around the world. The current formulation was formalized in the mid-1970s upon experimental confirmation of the existence of quarks. Since then, discoveries of the top quark (1995), the tau neutrino (2000), and more recently the Higgs boson (2013), have given further credence to the Standard Model. Because of its success in explaining a wide variety of experimental results, the Standard Model is sometimes regarded as a "theory of almost everything". Although the Standard Model is believed to be theoretically self-consistent and has demonstrated huge and continued successes in providing experimental predictions, it does leave some phenomena unexplained and it falls short of being a complete theory of fundamental interactions. It does not incorporate the full theory of gravitation as described by general relativity, or account for the accelerating expansion of the universe (as possibly described by dark energy). The model does not contain any viable dark matter particle that possesses all of the required properties deduced from observational cosmology. It also does not incorporate neutrino oscillations (and their non-zero masses). This book is designed to be a state of the art, superb academic reference work and provide an overview of the topic and give the reader a structured knowledge to familiarize yourself with the topic at the most affordable price possible. The accuracy and knowledge is of an international viewpoint as the edited articles represent the inputs of many knowledgeable individuals and some of the most current knowledge on the topic, based on the date of publication. Library of Congress Control Number: 2015917843

## Book Information

Paperback: 628 pages

Publisher: CreateSpace Independent Publishing Platform; 1st Edition edition (July 20, 2015)

Language: English

ISBN-10: 1515165922

ISBN-13: 978-1515165927

Product Dimensions: 8.5 x 1.4 x 11 inches

Shipping Weight: 3.9 pounds (View shipping rates and policies)

Average Customer Review: 2.4 out of 5 stars 4 customer reviews

Best Sellers Rank: #997,591 in Books (See Top 100 in Books) #143 in Books > Science & Math > Physics > Molecular Physics

## Customer Reviews

The editor has degrees in Engineering Physics & Nuclear Engineering from the University of Michigan and is an Engineer & Former Intelligence Officer for the CIA & US Intelligence Community and was President of an award-winning Defense Contracting Company. He has authored several books, edited numerous other books and has written many Technical, Classified & Unclassified papers, Articles & Essays. He has also been a Contributing Author for The International Encyclopedia on Intelligence and Counter-Intelligence and written several award-winning software manuals that have been sold in more than a dozen countries. He has appeared in Marquis "Who's Who in the World" & "Who's Who in Science & Engineering" and continues to edit and write.

To confirm another reviewer. Nothing more than wikipedia articles, "multiplying words without wisdom"

Multiple terrific articles. As with other reviews I've made -- the mathematics is many times over my head (forgot). However the information is presented in a manner that is clear, and exciting. Start with narrative books on particle physics and move to this. This will widen your understanding. I always recommend one push the limits of readability -- for understanding and brain plasticity.

This book and the others books from the same author are just wikipedia articles with lots of errors, typos, and a very poor editing. Don't waste your money buying those books!

I work for a university of new haven, we received the book and had to return because the equations could not be read , we then ordered a replacement and it had the same issue. But if it weren't for the issues with the equations this would be a really good book per my professor in Chemistry.

[Download to continue reading...](#)

The Standard Model of Particle Physics: "The Subatomic Realm" An Introduction to the Standard Model of Particle Physics An Introduction to Particle Physics and the Standard Model Finite Element Methods for Particle Transport: Applications to Reactor and Radiation Physics (Research Studies in Particle and Nuclear Technology) Quantum Electrodynamics: Gribov Lectures on Theoretical Physics (Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology) Statistical Methods for Data Analysis in Particle Physics (Lecture Notes in Physics) Lie Algebras In Particle

Physics: from Isospin To Unified Theories (Frontiers in Physics) Particle Accelerator Physics (Graduate Texts in Physics) From Special Relativity to Feynman Diagrams: A Course in Theoretical Particle Physics for Beginners (UNITEXT for Physics) Gauge Theories in Particle Physics, Second Edition (Graduate Student Series in Physics) Insider Secrets From A Model Agent: How To Become A Successful Model (Modeling, Modelling, Model Agency) RCadvisor's Model Airplane Design Made Easy: The Simple Guide to Designing R/C Model Aircraft or Build Your Own Radio Control Flying Model Plane 2016 ICD-10-CM Standard Edition, 2016 HCPCS Standard Edition and AMA 2016 CPT Standard Edition Package, 1e The Standard Model and Beyond, Second Edition (Series in High Energy Physics, Cosmology and Gravitation) Particle Physics: A Very Short Introduction Most Wanted Particle: The Inside Story of the Hunt for the Higgs, the Heart of the Future of Physics Advances in Imaging and Electron Physics, Volume 157: Optics of Charged Particle Analyzers Particle Physics: A Very Short Introduction (Very Short Introductions) Concepts of Particle Physics: Volume I Introducing Particle Physics: A Graphic Guide

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)