



The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics)

By Luis de la Peña, A.M. Cetto

[Download now](#)

[Read Online](#) 

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto

In spite of the impressive predictive power and strong mathematical structure of quantum mechanics, the theory has always suffered from important conceptual problems. Some of these have never been solved. Motivated by this state of affairs, a number of physicists have worked together for over thirty years to develop *stochastic electrodynamics*, a physical theory aimed at finding a conceptually satisfactory, realistic explanation of quantum phenomena.

This is the first book to present a comprehensive review of stochastic electrodynamics, from its origins to present-day developments. After a general introduction for the non-specialist, a critical discussion is presented of the main results of the theory as well as of the major problems encountered. A chapter on stochastic optics and some interesting consequences for local realism and the Bell inequalities is included. In the final chapters the authors propose and develop a new version of the theory that brings it in closer correspondence with quantum mechanics and sheds some light on the wave aspects of matter and the linkage with quantum electrodynamics.

Audience: The volume will be of interest to scholars and postgraduate students of theoretical and mathematical physics, foundations and philosophy of physics, and teachers of theoretical physics and quantum mechanics, electromagnetic theory, and statistical physics (stochastic processes).

 [Download The Quantum Dice: An Introduction to Stochastic El ...pdf](#)

 [Read Online The Quantum Dice: An Introduction to Stochastic ...pdf](#)

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics)

By Luis de la Peña, A.M. Cetto

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto

In spite of the impressive predictive power and strong mathematical structure of quantum mechanics, the theory has always suffered from important conceptual problems. Some of these have never been solved. Motivated by this state of affairs, a number of physicists have worked together for over thirty years to develop *stochastic electrodynamics*, a physical theory aimed at finding a conceptually satisfactory, realistic explanation of quantum phenomena.

This is the first book to present a comprehensive review of stochastic electrodynamics, from its origins to present-day developments. After a general introduction for the non-specialist, a critical discussion is presented of the main results of the theory as well as of the major problems encountered. A chapter on stochastic optics and some interesting consequences for local realism and the Bell inequalities is included. In the final chapters the authors propose and develop a new version of the theory that brings it in closer correspondence with quantum mechanics and sheds some light on the wave aspects of matter and the linkage with quantum electrodynamics.

Audience: The volume will be of interest to scholars and postgraduate students of theoretical and mathematical physics, foundations and philosophy of physics, and teachers of theoretical physics and quantum mechanics, electromagnetic theory, and statistical physics (stochastic processes).

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto Bibliography

- Sales Rank: #11587808 in Books
- Published on: 2010-12-06
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.20" w x 6.10" l, 1.62 pounds
- Binding: Paperback
- 512 pages



[Download The Quantum Dice: An Introduction to Stochastic El ...pdf](#)



[Read Online The Quantum Dice: An Introduction to Stochastic ...pdf](#)

Download and Read Free Online The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto

Editorial Review

Users Review

From reader reviews:

Arlene Farmer:

As people who live in the modest era should be revise about what going on or info even knowledge to make these individuals keep up with the era which is always change and move forward. Some of you maybe will update themselves by studying books. It is a good choice to suit your needs but the problems coming to a person is you don't know what type you should start with. This The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) is our recommendation to make you keep up with the world. Why, since this book serves what you want and wish in this era.

Melvin Schroeder:

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) can be one of your basic books that are good idea. We all recommend that straight away because this reserve has good vocabulary that may increase your knowledge in language, easy to understand, bit entertaining but still delivering the information. The writer giving his/her effort to put every word into enjoyment arrangement in writing The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) nevertheless doesn't forget the main position, giving the reader the hottest along with based confirm resource info that maybe you can be considered one of it. This great information could draw you into fresh stage of crucial considering.

Jack Lacasse:

Beside this kind of The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) in your phone, it might give you a way to get nearer to the new knowledge or facts. The information and the knowledge you are going to get here is fresh from oven so don't always be worry if you feel like an outdated people live in narrow commune. It is good thing to have The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) because this book offers to you readable information. Do you occasionally have book but you rarely get what it's facts concerning. Oh come on, that will not happen if you have this inside your hand. The Enjoyable set up here cannot be questionable, like treasuring beautiful island. Use you still want to miss this? Find this book in addition to read it from today!

Vickie Gilbert:

As we know that book is significant thing to add our know-how for everything. By a guide we can know

everything we really wish for. A book is a pair of written, printed, illustrated or perhaps blank sheet. Every year ended up being exactly added. This e-book The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) was filled concerning science. Spend your time to add your knowledge about your scientific research competence. Some people has distinct feel when they reading a book. If you know how big good thing about a book, you can truly feel enjoy to read a book. In the modern era like now, many ways to get book that you just wanted.

Download and Read Online The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto #2SWMIPY4OB9

Read The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto for online ebook

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto books to read online.

Online The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto ebook PDF download

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto Doc

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto MobiPocket

The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto EPub

2SWMIPY4OB9: The Quantum Dice: An Introduction to Stochastic Electrodynamics (Fundamental Theories of Physics) By Luis de la Peña, A.M. Cetto