



Time in Quantum Mechanics - Vol. 2 [

Muga, Gonzalo.,
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<http://id.loc.gov/vocabulary/relators/edt>

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Springer Berlin Heidelberg :

Imprint: Springer,

2009

Monografía

The treatment of time in quantum mechanics continues to be a key challenge in the foundation of quantum theory. This book follows Time in Quantum Mechanics-Volume 1 and is the second volume to detail the problems, attempts and achievements in defining, formalizing and measuring different time quantities in quantum theory. It touches upon numerous related issues as well. Time in Quantum Mechanics-Volume 2 opens with a brief historical overview. It then offers eleven tutorial reviews which cover many open questions regarding fundamental concepts and time observables as well as a number of quantum dynamical effects and their associated characteristic time scales. In addition, the volume contains a tutorial review on atomic clocks that explains that while we do not know what time is, we know very well how to measure it with exceptional accuracy. Thorough and lucid, this book is written as an introductory guide for newcomers to the subject. However, it is also useful as a reference for the expert. .

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Título: Time in Quantum Mechanics - Vol. 2 [Recurso electrónico] edited by Gonzalo Muga, Andreas Ruschhaupt, Adolfo del Campo

Edición: 2nd ed

Editorial: Berlin, Heidelberg Springer Berlin Heidelberg Imprint: Springer 2009

Descripción física: 1 online resource (X, 423 p.)

Mención de serie: Lecture Notes in Physics 0075-8450 789

Nota general: Bibliographic Level Mode of Issuance: Monograph

Bibliografía: Includes bibliographical references and indexes

Contenido: Memories of Old Times: Schlick and Reichenbach on Time in Quantum Mechanics -- The Time-Dependent Schrödinger Equation Revisited: Quantum Optical and Classical Maxwell Routes to Schrödinger's Wave Equation -- Post Pauli's Theorem Emerging Perspective on Time in Quantum Mechanics -- Detector Models for the Quantum Time of Arrival -- Dwell-Time Distributions in Quantum Mechanics -- The Quantum Jump Approach and Some of Its Applications -- Causality in Superluminal Pulse Propagation -- Experiments on Quantum Transport of Ultra-Cold Atoms in Optical Potentials -- Quantum Post-Exponential Decay -- Timescales in Quantum Open Systems: Dynamics of Time Correlation Functions and Stochastic Quantum Trajectory Methods in Non-Markovian Systems -- Double-Slit Experiments in the Time Domain -- Optimal Time Evolution for Hermitian and Non-Hermitian Hamiltonians -- Atomic Clocks

Lengua: English

ISBN: 1-280-38193-0 9786613559845 3-642-03174-9

Autores: Muga, Gonzalo., editor. ed. <http://id.loc.gov/vocabulary/relators/edt> Ruschhaupt, Andreas., editor. ed. <http://id.loc.gov/vocabulary/relators/edt> del Campo, Adolfo., editor. ed. <http://id.loc.gov/vocabulary/relators/edt>

Enlace a serie principal: Lecture notes in physicsLNP (CKB)954928524890 (DLC)2002260110 (OCoLC)48814941 1616-6361

Enlace a formato físico adicional: 3-642-03175-7 3-642-03173-0

Punto acceso adicional serie-Título: Lecture Notes in Physics 0075-8450 789

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