

1. Record Nr.	UNINA9910817892403321
Titolo	Quantum physics meets the philosophy of mind : new essays on the mind-body relation in quantum-theoretical perspective / / edited by Antonella Corradini, Uwe Meixner ; contributors, Jeff Barrett [and nine others]
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2014 ©2014
ISBN	3-11-038755-7 3-11-035106-4
Descrizione fisica	1 online resource (218 p.)
Collana	Philosophische Analyse = Philosophical Analysis, , 2198-2066 ; Volume / Band 56
Classificazione	CC 5500
Disciplina	128.2
Soggetti	Philosophy of mind Quantum theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes indexes.
Nota di contenuto	Front matter -- Table of Contents -- Preface -- Part I: Quantum Physics and the Mind -- Quantum Physics and Philosophy of Mind / Stapp, Henry P. -- Of Quantum Physics and DOMINDARs / Meixner, Uwe -- Quantum Mechanics and Intentionality / Brüntrup, Godehard -- Quantum Physics and the Fundamentality of the Mental / Corradini, Antonella -- Quantum Mechanics and Dualism / Barrett, Jeffrey A. -- Part II: Quantum Physics, Consciousness, Agency, and Free Will -- Consciousness in the quantum world: An Indian perspective / Mohrhoff, Ulrich -- Consciousness, free will and quantum brain biology - The 'Orch OR' theory / Hameroff, Stuart -- Physics, Free Will, and Temporality in the Open World / Pauri, Massimo -- Quantum Physics, Action and Free Will: How Might Free Will be Possible in a Quantum Universe? / Kane, Robert -- Quantum Stochasticity and (the End of) Neurodeterminism / Jedlicka, Peter -- Name Index -- Subject Index -- The Contributors
Sommario/riassunto	Quantum physics, in contrast to classical physics, allows non-locality and indeterminism in nature. Moreover, the role of the observer seems indispensable in quantum physics. In fact, quantum physics, unlike

classical physics, suggests a metaphysics that is not physicalism (which is today's official metaphysical doctrine). As is well known, physicalism implies a reductive position in the philosophy of mind, specifically in its two core areas, the philosophy of consciousness and the philosophy of action. Quantum physics, in contrast, is compatible with psychological non-reductionism, and actually seems to support it. The essays in this book explore, from various points of view, the possibilities of basing a non-reductive philosophy of mind on quantum physics. In doing so, they not only engage with the ontological and epistemological aspects of the question but also with the neurophysiological ones.
