

1. Record Nr.	UNINA9910254792503321
Autore	Stapp Henry P
Titolo	Quantum Theory and Free Will [[electronic resource]] : How Mental Intentions Translate into Bodily Actions // by Henry P. Stapp
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-58301-8
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 142 p. 3 illus. in color.)
Disciplina	150
Soggetti	Psychology Quantum physics Philosophy of mind Neurobiology Neuropsychology Popular Science in Psychology Quantum Physics Philosophy of Mind
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The Origins of the Quantum Conception of Man -- Waves, Particles, and Minds.- The Measuring Process -- Quantum Neuroscience -- The Physical Effectiveness of Mental Intent.- Reality and Spooky Action at a Distance -- Backward-in-Time Causation? -- Actual Past and Effective Past -- The Libet "Free Will" Experiments.- Questions and Answers About Minds -- The Fundamentally Mental Character of Reality -- Conclusions.
Sommario/riassunto	This book explains, in simple but accurate terms, how orthodox quantum mechanics works. The author, a distinguished theoretical physicist, shows how this theory, realistically interpreted, assigns an important role to our conscious free choices. Stapp claims that mainstream biology and neuroscience, despite nearly a century of quantum physics, still stick essentially to failed classical precepts in which mental intentions have no effect upon our bodily actions. He shows how quantum mechanics provides a rational basis for a better

understanding of this connection, even allowing an explanation of certain phenomena currently held to be “paranormal”. These ideas have major implications for our understanding of ourselves and our mental processes, and thus also for the meaningfulness of our lives.
