1. Record Nr. UNINA9910484014803321 Titolo Do Wave Functions Jump?: Perspectives of the Work of GianCarlo Ghirardi / / edited by Valia Allori, Angelo Bassi, Detlef Dürr, Nino Zanghi Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa **ISBN** 3-030-46777-5 Edizione [1st ed. 2021.] 1 online resource (XV, 436 p. 122 illus., 40 illus. in color.) Descrizione fisica Fundamental Theories of Physics, , 2365-6425; ; 198 Collana Disciplina 530.12 Soggetti Quantum physics Science - Philosophy Physics - Philosophy Knowledge, Theory of Gravitation Quantum Physics Philosophy of Science Philosophical Foundations of Physics and Astronomy Epistemology Classical and Quantum Gravity Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Part 1: History and Honour -- Part 2: Philosophy -- Part 3: Nota di contenuto Mathematical Physics -- Part 4: Theoretical Physics -- Part 5: Experimental Physics. This book is a tribute to the scientific legacy of GianCarlo Ghirardi, who Sommario/riassunto was one of the most influential scientists in the field of modern foundations of quantum theory. In this appraisal, contributions from friends, collaborators and colleagues reflect the influence of his world of thoughts on theory, experiments and philosophy, while also offering prospects for future research in the foundations of quantum physics. The themes of the contributions revolve around the physical reality of the wave function and its notorious collapse, randomness, relativity and