1. Record Nr. UNINA9910349502103321 Autore Freire Junior Olival Titolo David Bohm: A Life Dedicated to Understanding the Quantum World // by Olival Freire Junior Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2019 **ISBN** 3-030-22715-4 Edizione [1st ed. 2019.] Descrizione fisica 1 online resource (XI, 250 p.) Collana Springer Biographies, , 2365-0613 530.01 Disciplina 530.092 Soggetti **Physics** Quantum theory Philosophy and science History and Philosophical Foundations of Physics **Quantum Physics** Philosophy of Science Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction: Living through Cold War Storms, Attempting to Understand the Quantum -- From Wilke-Barres to a Physics PhD at Berkeley (1917-1945) -- Teaching and doing research at Princeton, caught up in the Cold War storms (1947-1951) -- The long campaign for the causal interpretation (1952-1960). Brazil, Israel, and the U.K. --From the Causal Interpretation to the Wholeness and Order – The First Stage of the London Years (1960-1979) -- The Quest for Compatibility between the Causal Interpretation and the Wholeness Approach (1979-1992) -- Epilogue -- The legacy of David Bohm in physics - An essay in scientometry. This authoritative biography addresses the life and work of the Sommario/riassunto quantum physicist David Bohm. Although quantum physics is considered the soundest physical theory, its strange and paradoxical features have challenged - and continue to challenge - even the

brightest thinkers. David Bohm dedicated his entire life to enhancing our understanding of quantum mysteries, in particular quantum

nonlocality. His work took place at the height of the cultural/political upheaval in the 1950's, which led him to become the most notable American scientist to seek exile in the last century. The story of his life is as fascinating as his ideas on the quantum world are appealing.