Record Nr. UNINA9910780928303321 Padmanabhan T (Thanu), <1957-2021.> Autore Quantum themes [[electronic resource]]: the charms of the microworld Titolo // Thanu Padmanabhan Singapore; ; Hackensack, NJ, : World Scientific, c2009 Pubbl/distr/stampa **ISBN** 1-282-44259-7 9786612442599 981-283-547-4 Descrizione fisica 1 online resource (238 p.) Disciplina 530.11 530.12 Soggetti Cosmology Mathematical statistics Microphysics Quantum theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di contenuto Preface; Contents; 1. The hubris of classical physics; 2. And then there was Einstein; 3. Madness of the micro-world; 4. Particles, particles everywhere; 5. Cosmos and the quantum; 6. Matters of gravity; 7. In the beginning .; Index Quantum theory is one of the more abstract branches of theoretical Sommario/riassunto physics, yet it makes clear and concrete predictions which are repeatedly verified experimentally. More recently, there has been some confluence between the concepts of microphysics and those of macrophysics. Currently fashionable ideas in cosmology are also deeply linked to concepts from quantum theory, thus piquing greater interest

in this subject. This timely book takes stock of what quantum theory has achieved and where it is leading to at present, in a manner understandable to an educated layman. The book describes concept