1. Record Nr. UNISALENTO991001786639707536

Autore	De Micheli, Mario
Titolo	La scultura del novecento / Mario De Micheli
Pubbl/distr/stampa	Torino : UTET, 1981
ISBN	8802035792
Descrizione fisica	331 p. : ill. ; 28 p.
Collana	Storia dell'arte in Italia
Disciplina	709 730.945
Soggetti	Scultura - Italia
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910155527003321

Autore	van Holten Theo
Titolo	The Atomic World Spooky? It Ain't Necessarily So! : Emergent Quantum Mechanics, How the Classical Laws of Nature Can Conspire to Cause Quantum-Like Behaviour / / by Theo van Holten
Pubbl/distr/stampa	Paris : , : Atlantis Press : , : Imprint : Atlantis Press, , 2017
ISBN	94-6239-234-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XX, 561 p. 241 illus., 191 illus. in color.)
Disciplina	530.12
Soggetti	Quantum theory Physics Astronomy Knowledge, Theory of Quantum Physics Physics and Astronomy Epistemology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction and Outline -- 2. Strange Behaviour at Quantum Scale: the full List -- 3. The Transition Region as Predicted by Quantum Mechanics -- 4. From Rigid Marble to Vibrating Droplet of Charge: Model Assumptions -- 5. Determining the Electromagnetic Self Forces -- 6. A Brief Excursion to Sub-Atomic Scales: the Electron, the Muon and the Tau Particle -- 7. Dynamics of the Droplet: a Pictorial Representation of the Equations of Motion -- 8. First Glimpses of Quantum Behaviour: Matter Waves -- 9. Energy Quantisation in Potential Wells -- 10. Still more (non)Glimpses: the Droplet is Sometimes Invisible -- 11. Schrödinger's Equation -- 12. On Radiation and Radio Silence; Interaction Between Charges and Radiation -- 13. On Bohr's Radiation "Out of Nothing"; and on Photons, the "Particles with a Wavelength" -- 14. Summing up the Successes and the Remaining Mysteries -- 15. A Chapter full of Speculations: Bohr's Atom, Schrödinger's Cat, "Spooky" Interactions, and the Double-Slit Experiment -- 16. Conclusions: the Direction Towards Einstein’s “Hidden Variable”?.
Sommario/riassunto	The present book takes the discovery that quantum-like behaviour is not solely reserved to atomic particles one step further. If electrons are modelled as vibrating droplets instead of the usually assumed point objects, and if the classical laws of nature are applied, then exactly the same behaviour as in quantum theory is found, quantitatively correct! The world of atoms is strange and quantum mechanics, the theory of this world, is almost magic. Or is it? Tiny droplets of oil bouncing round on a fluid surface can also mimic the world of quantum mechanics. For the layman - for whom the main part of this book is written - this is good news. If the everyday laws of nature can conspire to show up quantum-like phenomena, there is hope to form mental pictures how the atomic world works. The book is almost formula-free, and explains everythingby using many sketches and diagrams. The mathematical derivations underlying the main text are kept separate in a -peer reviewed - appendix. The author, a retired professor of Flight Mechanics and Propulsion at the Delft University of Technology, chose to publish his findings in this mixed popular and scientific form, because he found that interested laymen more often than professional physicists feel the need to form visualisations of quantum phenomena.