

1. Record Nr.	UNINA9910450427903321
Autore	Fritzscht Harald <1943->
Titolo	Elementary particles [[electronic resource]] : building blocks of matter / Harald Fritzscht ; translated by Karin Heusch
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2005
ISBN	1-281-88103-1 9786611881030 981-256-936-7
Descrizione fisica	1 online resource (118 p.)
Disciplina	539.7/2
Soggetti	Particles (Nuclear physics) Quantum chromodynamics Quantum electrodynamics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Contents; 1. Introduction; 2. Electrons and Atomic Nuclei; 3. Quantum Properties of Atoms and Particles; 4. The Knives of Democritus; 5. Quarks Inside Atomic Nuclei; 6. Quantum Electrodynamics; 7. Quantum Chromodynamics; 8. Mesons, Baryons and Quarks; 9. Electroweak Interactions; 10. Grand Unification; 11. Conclusion; Index
Sommario/riassunto	This highly readable book uncovers the mysteries of the physics of elementary particles for a broad audience. From the familiar notions of atoms and molecules to the complex ideas of the grand unification of all the basic forces, this book allows the interested lay public to appreciate the fascinating building blocks of matter that make up our universe.