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Nota di contenuto	Contents; 1 Early atomic physics; 2 The hydrogen atom; 3 Helium; 4 The alkalis; 5 The LS-coupling scheme; 6 Hyperfine structure and isotope shift; 7 The interaction of atoms with radiation; 8 Doppler-free laser spectroscopy; 9 Laser cooling and trapping; 10 Magnetic trapping, evaporation cooling and Bose-Einstein condensation; 11 Atom interferometry; 12 Ion traps; 13 Quantum computing; A: Appendix A: Perturbation theory; B: Appendix B: The calculation of electrostatic energies; C: Appendix C: Magnetic dipole transitions; D: Appendix D: The line shape in saturated absorption spectroscopy E: Appendix E: Raman and two-photon transitions F: Appendix F: The statistical mechanics of Bose-Einstein condensation; References; Index
Sommario/riassunto	This modern text on atomic physics is suitable for students at advanced undergraduate level. It covers both the fundamentals of the subject, as well as cutting-edge developments of the past decade, and contains plenty of tutorial material, including examples, illustrations,

summaries and graded problem sets.
