

1. Record Nr.	UNINA9911149267603321
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Titolo	Scattering theory of molecules, atoms, and nuclei / / Luiz Felipe Canto, Universidade Federal do Rio de Janeiro, Brazil, Mahir S. Hussein, Universidade de Sao Paulo, Brazil
Pubbl/distr/stampa	New Jersey, : World Scientific, 2013
ISBN	1-283-89996-5 981-4329-84-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (646 p.)
Altri autori (Persone)	HusseinM. S
Disciplina	539.7/58 539.758
Soggetti	Quantum scattering Scattering (Physics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; Acknowledgments; Contents; Part 1: Potential Scattering; 1. Basic Notions; 1.1 Introduction; 1.2 Several definitions; 1.2.1 Types of collisions - reaction channels; 1.2.2 Q-values, threshold, open and closed channels; 1.3 Cross sections; 1.3.1 Center of mass and laboratory frames; 1.4 Classical scattering; 1.4.1 The classical cross section; 1.4.2 Orbiting, rainbow and glory scattering; 1.5 Stationary scattering of a plane wave; 1.6 Scattering of a wave packet; 1.6.1 Propagation of a free wave packet; 1.6.2 Collision of the wave packet with a target; 1.6.3 The Optical Theorem 1.7 Systems of units1.7.1 Nuclear physics; 1.7.2 Atomic and molecular physics; Exercises; 2. The Partial Wave Expansion Method; 2.1 Free particle in spherical coordinates; 2.2 Numerical solutions of the radial equation; 2.3 Scattering amplitude and cross section; 2.4 Wronskian relations; 2.5 Integral formulae for the phase shifts; 2.6 Convergence of the partial-wave expansion; 2.7 Hard sphere scattering; 2.8 Absolute phase shifts - Levinson Theorem; 2.9 Resonances; 2.9.1 Time delay; 2.10 Scattering from a square-well; 2.11 Low energy scattering; 2.11.1 The scattering length 2.11.2 The effective range formulaExercises; 3. Coulomb Scattering; 3.1 Classical mechanics description of Coulomb scattering; 3.2

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Sommario/riassunto

The aim of the book is to give a coherent and comprehensive account of quantum scattering theory with applications to atomic, molecular and nuclear systems. The motivation for this is to supply the necessary theoretical tools to calculate scattering observables of these many-body systems. Concepts which are seemingly different for atomic/molecular scattering from those of nuclear systems, are shown to be the same once physical units such as energy and length are diligently clarified. Many-body resonances excited in nuclear systems are the same as those in atomic systems and come under the name
