Record Nr. UNINA9910144266403321 Autore Lefebvre R Titolo Correlation effects in atoms and molecules [[electronic resource] /] / edited by R. Lefebvre and C. Moser New York, : Interscience Publishers, 1969 Pubbl/distr/stampa **ISBN** 1-282-34738-1 9786612347382 0-470-14359-2 0-470-14399-1 Descrizione fisica 1 online resource (558 p.) Collana Advances in chemical physics;; v. 14 Altri autori (Persone) MoserC Disciplina 539 541.305 541/.08 Soggetti **Nuclear physics** Molecular dynamics Electronic books. 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 Correlation and Effects in Atoms Molecules; CONTENTS; Atomic Bethe-Goldstone Equations; On the Use of the Cluster Expansion and the Technique of Diagrams in Calculations of Correlation Effects in Atoms and Molecules; Effective Operators for Configurations of Equivalent Electrons; Applications of Many-Body Diagram Techniques in Atomic Physics: On the Hartree-Fock Method in Multi-Configuration Approximation: On the Application of the Extended Method of Calculation to the Atomic Electrons; The Correlation Energy of a Non-Uniform Electron Gas; Electron Correlation in Atoms and Molecules Some Aspects on the Correlation Problem and Possible Extensions of the Independent-Particle ModelCorrelation Effects in Diatomic Molecules Obtained from Configuration Interaction Using Hartree-Fock Orbital. Effects on Energy and Monoelectronic Operators; A Linked Diagram Treatment of Configuration Interaction in OpenShell Atoms;

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