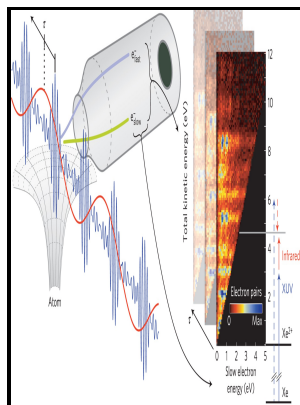


Electron correlation in electron atom scattering and photoionization.

- - Electron Spectrometry of Atoms using Synchrotron Radiation (Cambridge Monographs on Atomic, Molecular and Chemical Physics)



Description: -

- Electron correlation in electron atom scattering and photoionization.

- Electron correlation in electron atom scattering and photoionization.

Notes: Thesis (Ph. D.)--The Queens University of Belfast, 1984.

This edition was published in 1984



Filesize: 66.14 MB

Tags: #Effects #of #Electron #Correlation #in #X

[PDF] Photon Absorption and Electron Scattering by Endohedrals

For molecules, the physics becomes even more complex, also due to the multi-scatterer nature compared to the centrosymmetric atoms.

[PDF] Photon Absorption and Electron Scattering by Endohedrals

Results and discussion Interaction of the initial state with the ultrashort XUV pulse induces electron dynamics within the non-ionized two-electron system and leads to single ionization. Though rarely depicted, the travelling wave solutions can be viewed as rotating banded tori, with the bands representing phase information.

CiteSeerX — LETTER TO THE EDITOR Electron correlation effects in the double ionization of He

Bottom: subsystem B with its initial wave packet centered at positive x and negative y values: here, the down pathways primarily contribute to the total ionization signals. All other orbitals p, d, f, etc.

Correlation effects in electron scattering and attachment by open-shell atoms, International Journal of Quantum Chemistry

The latter process involves an immediate electron—electron interaction, which leads to both, inelastic and elastic scattering. Atomic orbitals are the basic building blocks of the atomic orbital model alternatively known as the electron cloud or wave mechanics model, a modern framework for visualizing the submicroscopic behavior of electrons in matter.

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