

Relativistic effects in electron scattering and photoionization of atoms and ions.

- - Configuration



Description: -

-Relativistic effects in electron scattering and photoionization of atoms and ions.

-Relativistic effects in electron scattering and photoionization of atoms and ions.

Notes: Thesis (Ph.D.)--The Queens University of Belfast, 1980.

This edition was published in 1980



Filesize: 5.16 MB

Tags: #Relativistic #multiconfiguration #Dirac

CiteSeerX — Self

Attosecond dynamics through a Fano resonance: monitoring the birth of a photoelectron. Controlling dielectrics with the electric field of light.

Core relaxation effects in inner shell photoionization of atoms

The laser was focused into a 6-mm long gas cell filled with Ne to generate high-order harmonics. The results are consistent with transition rates computed by other authors using a variety of many-electron techniques.

(IUCr) Ionic scattering factors of atoms that compose biological molecules

High- Z atoms are excellent laboratories to study the combination of relativistic and many-electron correlation effects in electronic structure and dynamics. Below 80 eV, the three quantities plotted in Fig.

Core relaxation effects in inner shell photoionization of atoms

LANL , Los Alamos, NM United States Sponsoring Org. Dashed lines suggest possible electron trajectories in the two cases.

Phys. Rev. A 102, 022813 (2020)

Photoionization to different ionic states followed by Auger decay produces a complex electron spectrum, with two sets of photoelectrons separated by 2 eV see Fig. The electron scattering factor of H^+ is also presented.

Attosecond electron

Parameterization of X-ray scattering factors of ions for the four Gaussians plus a constant model a 1 a 2 a 3 a 4 c R scat Ion b 1 b 2 b 3 b 4 % C

+ 6. Eigenphases from the multichannel analysis are presented for argon to illustrate mathematical features of the present calculation.

Related Books

- [Purchasing management in Northern Ireland Railways - a strategy for the 1990s.](#)
- [Rock in a stream - living with the political economy of underdevelopment in Cape Breton](#)
- [Acéllemez radiátorok alkalmazásának feltételei a korrózió elleni védelem szempontjából](#)
- [Yao zu wen xue shih](#)
- [Future of natural fibres - papers presented at a Shirley Institute Conference on 29-30 November 1977](#)