

ELECTRON CORRELATIONS IN THE PHOTOEXCITATION OF SOME LIGHT ATOMS

M. Ya. Amusia, N. A. Cherepkov, L. V. Chernysheva, A. F. Ioffe
Technical Institute, Leningrad

I. Pavlin, V. Radojević and Dj. Živanović
Institute of Nuclear Sciences "Boris Kidrič", Beograd

The photo-ionization cross-section and the oscillator strengths for the excitation from the ground states of helium (He), lithium (Li), beryllium (Be), nitrogen (N), neon (Ne), sodium (Na) and magnesium (Mg) atoms are calculated with the electron correlations taken into account in the random phase approximation with exchange. The obtained results are in a good agreement with the available experimental data. Reported results are published very recently elsewhere¹⁾.

REFERENCES

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