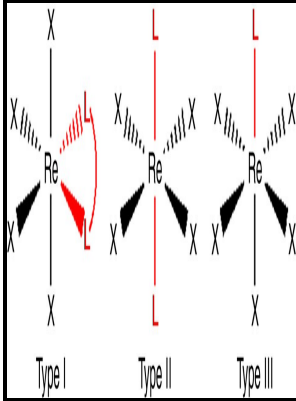


Hyperfine structure in 4d- and 5d-shell atoms

Springer-Verlag - Recent progress in the theory of the complex atomic hyperfine structure, Hyperfine Interactions



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Springer tracts in modern physics ; Hyperfine structure in 4d- and 5d-shell atoms

Notes: Includes bibliographical references and index.

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Relativistic Self

The Calculation of Atomic Properties 5. Of special interest is the fact that now we can perform investigations on transitions where upper energy levels are excited from two or even all three interesting lower levels. The Effective Relativistic Hyperfine Hamiltonian II.

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The second part reviews the relativistic theory of hyperfine structure.

Two Experiments Involving Atomic Rubidium: 4D Excited State Absolute Photoionization Cross Section Measurements and 5S

The research program was built in stages and several students benefited from involvement in it.

Frequency stabilization of a laser diode to hyperfine structure of the 4D5/2 state of 85Rb atoms

Gustavsson and Ann-Marie Mårtensson-Pendrill Phys. Calculation of the Isotope Shift in Na E Lindroth and A-M Mårtensson-Pendrill Z. This award supports two experimental research projects involving atomic rubidium.

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