

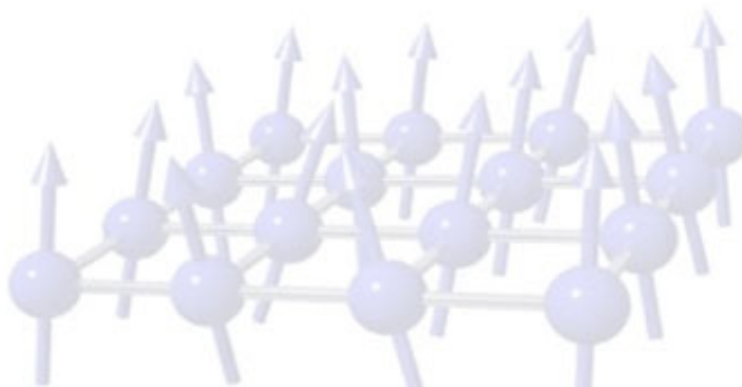
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Magnetic Circular Dichroism in Molecular Magnetism

Magnetic circular dichroism spectroscopy is a powerful method to study the electronic structure of transition metal complexes. Spectra are recorded as the difference in absorption of left- and right-hand circularly polarised UV/Vis radiation as a function of energy. It has been little applied in the field of molecular magnetism, where its main advantages are that from the absorption band positions, information on the single-ion anisotropy may be obtained, while the intensities as a function of field and temperature characterise the cluster anisotropy.

We will present a short overview of this technique as well as our own results on antiferromagnetically and ferromagnetically coupled transition metal clusters, as well as lanthanide complexes.



15. September 2009, 13:00 Uhr

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