

MÖSSBAUER STUDIES OF MAGNETIC ORDER IN ANTIFERROMAGNETIC COMPOUNDS

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MÖSSBAUER SPECTROSCOPY (MS) HAS PLAYED A SIGNIFICANT ROLE IN THE DETERMINATION OF MAGNETIC ORDERINGS AND ANISOTROPIC ENERGIES OF SEVERAL ANTIFERROMAGNETS. RECENTLY, MS HAS MADE POSSIBLE THE OBSERVATION OF SEVERAL L-TYPE ANTIFERROMAGNETS, STRESSING THE IMPORTANCE OF THE CONTRIBUTION OF THE TECHNIQUE TO GIVE A DETAILED DESCRIPTION OF THE MAGNETIC BEHAVIOR AND MAGNETIC STRUCTURE OF THE COMPOUNDS UNDER STUDY. OTHER USES OF MS IN SYSTEMS DISPLAYING MAGNETIC ORDER OF LOWER DIMENSIONALITIES ARE ALSO DISCUSSED.