

Compton scattering in studies of magnetic materials

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Compton scattering is well-established experimental method used in studies of electronic structure of materials. Although the method brings results of basic importance for understanding the very background of phenomena taking place in various materials, in spite of its about 70 years of history it is still not very well known to many experimentalists. With an advent of magnetic Compton scattering, this experimental technique started to bring new important information on the composition of magnetic moments and the temperature dependencies of their components. The lecture intends to present a short overview of the Compton scattering with special emphasis on its use in magnetism.

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