

Spin-resolved x-ray spectroscopy on magnetic oxides *

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Recent advancements in soft-x-ray beamline optics and undulator technology in the most modern synchrotron radiation research facilities have opened up new opportunities for the study of strongly correlated electron systems. Especially photon hungry spectroscopies like spin resolved photoemission benefit from these developments. In this talk I would like to present examples, in which one combines this technique with the use of various resonance conditions, in order to unravel the spin and multiplet states in the conduction band of certain ferromagnetic oxides, thereby revealing new information that otherwise is difficult to obtain.

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