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Magnon bottleneck emergence in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_{4+\delta}$ and its use in studies of the dynamics of CuO_2 planes

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Abstract

An improved model of the magnon bottleneck is used to show the possibility of measuring the relaxation rate to a homogeneous magnetization lattice of copper-oxygen planes in copper oxide. The agreement between EPR measurements of the spin dynamical characteristics in CuO_2 planes and data obtained by NMR spectroscopy is proven to be adequate. © 1996 American Institute of Physics.
