

The magnetic properties of weakly doped layered copper oxides: Relaxation function in the model of strongly correlated charge carriers

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Abstract

The method of projection operators is applied to the two-dimensional model of strongly correlated charge carriers to explain the magnetic properties of weakly doped layered cuprates in the paramagnetic state. The theory explains the observed special features of the behavior of the imaginary part of the dynamic spin susceptibility averaged over the Brillouin zone over wide temperature and frequency ranges. © 2005 Pleiades Publishing, Inc.

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