

Magnetic Resonance in Solids, 2015, vol.17, N2

Double magnetic resonance in MnCO₃

Bunkov Y., Klochkov A., Safin T., Safiullin K., Tagirov M.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Kazan Federal University (KFU). Results of experiments on MnCO₃ investigations by double magnetic resonance are presented. Additional mode of oscillation has been observed in a created Bose-Einstein condensation of magnons state in MnCO₃. The properties of observed signals are similar to Goldstone modes.

Keywords

Antiferromagnetics, Bose-einstein condensation, Magnetic resonance, Magnons, MnCO₃