

Ammonium Ions Dynamics in NH_4Br – Proton NMR T_1 Measurements and Simulations

R. Goc, J. Wąsicki, and S. Lewicki

Faculty of Physics, Adam Mickiewicz University, Umultowska 85, 61-614 Poznań, Poland

Reprint requests to Dr. R. G.; Fax: +48 61 8257758,

E-mail: goc@main.amu.edu.pl

Z. Naturforsch. **54 a**, 689–694 (1999); received October 29, 1999

Monte Carlo simulation of correlation functions for ammonium bromide have been carried out and the NMR relaxation times T_1 resulting from these functions were calculated. Results of simulations are compared to experimental values of T_1 measured in the temperature range 92 K to 292 K.

Key words: NMR; NH_4Br ; Relaxation; Monte Carlo; Simulation.