

V. F. Razbudey

**MODELING OF THE NEUTRON EXPERIMENTS
AT RESEARCH REACTOR WWR-M IN THE INSTITUTE FOR NUCLEAR
RESEARCH, NATIONAL ACADEMY OF SCIENCES OF UKRAINE**

Ideology of simulation of neutron experiments using Monte Carlo method for optimization of experimental conditions and analysis of measurement results is set out. Potentialities are shown and recommendations are worked out relative to use of simulation both on the stage of planning experiment and while correcting the results of measuring for ill-wresting factors.

Keywords: research nuclear reactor, neutron beams, simulations of nuclear experiments, Monte Carlo method, nuclear data.