

**ANALYSIS OF POSSIBLE USE OF NEUTRON FILTERED BEAM TECHNIQUE  
AT THE REACTOR FOR THE CARBON RESONANCE PARAMETERS  
DETERMINATION IN THE 150 keV ENERGY REGION**

**O. O. Gritzay, V. V. Koloty, S. P. Volkovetskyi**

Possibility of determination of carbon resonance parameter from the set of experimental averaged cross sections, obtained using modified filters, is analyzed, results of computed simulation of such filters on basis of up-to-date evaluated nuclear data file libraries are presented, comparison of calculated and experimental filter parameters is realized, as well as estimation of the necessary experimental accuracy for measurements of the averaged cross sections for resonance parameters determination is fulfilled.

*Keywords:* filtered neutron beams, reactor, carbon, resonance parameters.