

Measurement of the time-of-flight spectra of the neutrons by the integrated method on pulsed neutron sources.

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An increase in the intensity of pulsed neutron sources leads to an unprecedentedly large pulsed neutron flux density up to 10^{11} n/s/cm² and, as a result, to the impossibility of using data acquisition systems operating in counting mode. On the other hand, in the study of small P-odd effects in stationary reactors, the integral method is often used. This article presents the results of measuring TOF spectra by the integral method.

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