

THE NEUTRON FISSION SPECTRA OF U-235,
U-238, AND Pu-239

O. O. Gritzai, S. A. Kravchenko, N. A. Klimova

Scientific Center "Institute for Nuclear Research",
Nat. Acad. Sci. of Ukraine
(47, Nauky Prosp., Kyiv 03028, Ukraine;
E-mail: ogritzay@kinr.kiev.ua)

S u m m a r y

For U-235, U-238, and Pu-239 nuclei, the fission neutron spectra are calculated on the basis of the simplified Madland - Nix non-equitemperature formalism. The comparative analysis of the calculated spectra and those recreated by using the JENDL-3.2 library is carried out.