

INTERNATIONAL NUCLEAR ENERGY RESEARCH INITIATIVE

Use of an Ionization Chamber in Fission Cross-Section Measurements

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Collaborators: None

Project Abstract

The objective of this project is to improve fission cross section data files for major and minor actinides which will be needed for the design, optimization, and safety assessment of accelerator-driven systems, fast reactors, and waste transmuters, as well as relevant actinides for the thorium-uranium fuel cycle. The aim is to produce accurate data files for several key isotopes, which will contribute to the new ENDF B/VII and JEFF 3.1 libraries.