

EVALUATED NUCLEAR-DATA FILE FOR NIOBIUM\*

by

A. B. Smith and D. L. Smith  
Argonne National Laboratory  
and

R. J. Howerton  
Lawrence Livermore National Laboratory

ABSTRACT

A comprehensive evaluated nuclear-data file for elemental niobium is provided in the ENDF/B format. This file, extending over the energy range  $10^{-11}$ -20 MeV, is suitable for comprehensive neutronic calculations, particularly those dealing with fusion-energy systems. It also provides dosimetry information. Attention is given to the internal consistency of the file, energy balance, and the quantitative specification of uncertainties. Comparisons are made with experimental data and previous evaluated files. The results of integral tests are described and remaining outstanding problem areas are cited.

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