EVALUATED NEUTRONIC FILE FOR INDIUM


ABSTRACT

A comprehensive evaluated neutronic data file for elemental indium is documented. This file, extending from $10^{-5}$ eV to 20 MeV, is presented in the ENDF/B–VI format, and contains all neutron–induced processes necessary for the vast majority of neutronic applications. In addition, an evaluation of the $^{115}$In(n,n')$^{115m}$In dosimetry reaction is presented as a separate file. Attention is given in quantitative values, with corresponding uncertainty information. These files have been submitted for consideration as a part of the ENDF/B–VI national evaluated–file system.