A Study A Calculation of Neutron Cross Sections on Real Potential of Optical Model

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Abstract

The optical model potential parameters which play an important role in the evaluation of nuclear data for applied purposes are not fully satisfied at low energy neutron scattering. They are fixed according to the target mass and incident energy. In this work the calculated data are compared with those of IAEA data especially for Li-7 and Th-232.

Keywords: Neutron Cross-Sections, Optical Model, ABAREX, SCAT2

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