

1980-09-03

To: Distribution
From: *Lemmel* *Pronyayev*
H. D. Lemmel and V. Pronyaev
Subject: BOSPOR-78

The USSR evaluated data file BOSPOR-78 for eight threshold reactions is sent out on magnetic tape. A brief documentation "IAEA-NDS-31" is attached.

It is understood that the present version of this file may be followed by additional reactions or revisions, which will then be transmitted.

Any comments on this file will be welcome.

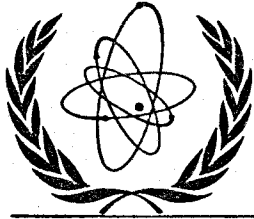
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INTERNATIONAL ATOMIC ENERGY AGENCY

NUCLEAR DATA SERVICES

DOCUMENTATION SERIES OF THE IAEA NUCLEAR DATA SECTION

IAEA-NDS-31

Rev. 0

BOSPOR - 78

Contents and Documentation

Abstract: Evaluated data for eight threshold neutron reactions were received from F.E.I. Obninsk, USSR, and converted by IAEA into ENDF/B format. The data are available on magnetic tape upon request.

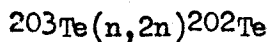
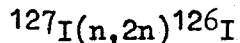
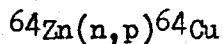
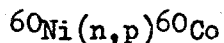
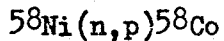
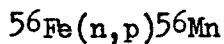
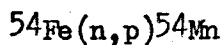
V. Pronyaev

August 1980

BOSPOR-78

Evaluated threshold neutron reaction data from F.E.I. Obninsk
in ENDF/B-V format

BOSPOR-78 is a library of threshold neutron reactions. The
evaluated cross-sections are given for 8 nuclear reactions



in the energy range from threshold up to 20 MeV. The data were
obtained as a result of critical analysis of the experimental data
based on theoretical models of nuclear reactions.

The detailed description of the evaluation is given in the report
INDC(CCP)-147, by K.I. Zolotarev, V.M. Bychkov, A.B. Pashchenko et al.,
"Comparative Analysis of Recommended Threshold Reactions Cross-Sections
on the Basis of Integral Experiments". This report is an IAEA trans-
lation from *Jadernye Constanty*, 32 (1), p. 105 (1979).

The data were compiled in ENDF/B-5 format at the IAEA Nuclear
Data Section; they are available on magnetic tape upon request, free
of charge.

Size of library: 8 reactions, together with 641 data lines.