



INTERNATIONAL ATOMIC ENERGY AGENCY

**NUCLEAR DATA SERVICES**

DOCUMENTATION SERIES OF THE IAEA NUCLEAR DATA SECTION

**IAEA-NDS-164**

September 1996

**“Maslov”****Evaluated neutron reaction data  
for Am and Cm isotopes**

by  
V.M. Maslov et al  
Minsk, Belarus

Summary documentation

by H.D. Lemmel

**Abstract:** The nuclear data file by V.M. Maslov et al includes evaluated neutron reaction data for Am-241,243, Cm-243,245,246 in ENDF-6 format. The data are available from the IAEA Nuclear Data Section, costfree upon request.

Nuclear Data Section  
International Atomic Energy Agency  
P.O. Box 100  
A-1400 Vienna  
Austria

e-mail, INTERNET: SERVICES@IAEAND.IAEA.OR.AT

fax: (43-1)20607

cable: INATOM VIENNA a

telex: 1-12645 atom a

telephone: (43-1)2060-21710

online: TELNET or FTP: IAEAND.IAEA.OR.AT  
username: IAEANDS for interactive Nuclear Data Information System  
username: ANONYMOUS for FTP file transfer  
username: FENDL for FTP file transfer of FENDL files  
For users with web-browsers: <http://www.iaea.or.at>

**Note:**

The IAEA-NDS-documents should not be considered as publications or reports. When a nuclear data library is sent out by the IAEA Nuclear Data Section, it will be accompanied by an IAEA-NDS-document which should give the data user all necessary information on contents, format and origin of the data library.

IAEA-NDS-documents are updated whenever there is additional information of relevance to the users of the data library.

For citations care should be taken that credit is given to the author of the data library and/or to the data center which issued the data library. The editor of the IAEA-NDS-document is usually not the author of the data library.

Neither the originator of the data libraries nor the IAEA assume any liability for their correctness or for any damages resulting from their use.

94/11

**Citation guideline:**

This database should be cited as follows:

V. Maslov et al., Evaluated neutron nuclear data for Am and Cm isotopes, reports INDC(BLR)-2, 3, 4, 5 and 6 (1995/96); data files received from the IAEA Nuclear Data Section.

## **“Maslov”**

### **Evaluated neutron reaction data for Am and Cm isotopes**

by  
V. Maslov et al

Radiation Physics and Chemistry  
Problems Institute  
Minsk-Sosny, 220109, Belarus

This data library was received from the authors in September 1996. It is in ENDF-6 format. The following table shows the nuclides included and the INDC reports which contain the description of the evaluation. A brief documentation is included in the text part (MF/MT = 1451) of the data files.

The data files and the reports are available from the IAEA Nuclear Data Section, costfree upon request.

Nuclide	MAT	Report
95-Am-241	9541	INDC(BLR)-5 (1996)
95-Am-243	9543	INDC(BLR)-6 (1996)
96-Cm-243	9643	INDC(BLR)-2 (1995)
96-Cm-245	9645	INDC(BLR)-3 (1995)
96-Cm-246	9646	INDC(BLR)-4 (1996)

These data have been evaluated under contract from JAERI, Japan. The data we expected to be included, with or without modifications, in a forthcoming version of the Japanese data library JENDL.

The same authors had evaluated earlier

92-U-233, see report INDC(BLR)-1 (1993),

which was included in the BROND data library together with other actinide evaluations from the same institute.