



International Atomic Energy Agency

INDC(SEC)-4/U

INDC-311

**INDC**

**INTERNATIONAL NUCLEAR DATA COMMITTEE**

LIST OF INDC DOCUMENTS

Vienna, November 1969

**IAEA NUCLEAR DATA SECTION, KÄRNTNER RING 11, A-1010 VIENNA**

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INTERNATIONAL NUCLEAR DATA COMMITTEE

## List of INDC Documents

The Nuclear Data Section of the International Atomic Energy Agency distributes documents originated by or for the International Nuclear Data Committee. This list includes all documents received and distributed between January 1968 and November 1969; it supersedes INDC(SEC)-3/U (distributed March 1969), and is a sequel to the previous list of INDSWG- and INDC-Documents, INDC-199, distributed November 1967. Some of these documents are still available and can be ordered from the

IAEA Nuclear Data Section  
Kaerntnerring 11-13  
P.O. Box 590  
A-1010 Vienna, Austria.

INTRODUCTION

This list of documents comprises those documents submitted for and by the INDC between January 1968 and November 1969, and supersedes the earlier list of INDC documents INDC(SEC)-3/U which was published in March 1969.

In addition to some changes and deletions in the designations of US, Canadian and Japanese documents contained in the list, the distribution codes have been separated into two sets (see page iii). The first set of codes U, E, G and N is designed for documents distribution for the use of the INDC. The second set of documents distribution codes L, C and D is designed for complementary use by the INDC Secretariat.

## Explanation to the Table

### INDC Document Designator

The INDC document designator consists of four parts:

1. The "INDC" prefix letters;
2. The origin designator, that is the code of the Member State or Organization which originated the document, in parenthesis, immediately following the prefix. (A list of currently used origin designator codes is given below.)
3. The number of the document, assigned chronologically for each origin series independently;
4. The distribution given to the document, in the form of a letter code. (A list of used distribution codes is given below.)

### Date received

This date indicates when the document was received by the INDC Secretariat.

### Original Document Identification

Original document identification, that is, the series and number under which it is normally referred to, or under which it was initially released (e.g. CINDA-67, WASH-1093, etc. ...).

### Document Titles, Authors, other Identification Numbers

Full title of the document, author, corporate author, and all other known identification numbers which have been assigned to the document.

### Accession Number

Chronologically assigned numbers for internal INDC Secretariat use. These numbers are an extension of the sequence used for the INDC-document series until December 1967.

Origin designator codes

AUL	Australia	ISL	Israel
BZL	Brazil	IND	India
CAN	Canada	JAP	Japan
CCP	Union of Soviet Socialist Republics	NDU	Nuclear Data Section
EANDC	European American Nuclear Data Committee	PAK	Pakistan
ENEA	European Nuclear Energy Agency	POL	Poland
EUR	Euratom	SAF	South African Republic
FR	France	SEC	INDC Secretariat
GER	German Federal Republic	TAI	Thailand
IAEA	International Atomic Energy Agency	UK	United Kingdom
		UNI	international origin
		USA	United States of America
		YUG	Yugoslavia

Categories of Documents for the Use of the INDC

U = General distribution of technical INDC documents originated by the IAEA, the Soviet Union and other parts of the world, excluding those documents originated by the US, Canada and countries associated with the EANDC. This distribution list includes individuals on the EANDC distribution list. (Documents which have an EANDC distribution, should never be assigned an INDC/U distribution.)

There are presently 292 names on the INDC/U distribution.

E = General distribution of technical INDC documents originated anywhere in the world. This list excludes individuals on the EANDC distribution list, and those who reside in countries associated with the EANDC. (Documents which have an EANDC distribution, should be given an INDC/E distribution.)

There are presently 105 names on the INDC/E distribution.

G = Distribution of INDC documents concerning internal Committee matters intended for members of the Committee and other continuing participants of the INDC.

There are presently 18 names on the INDC/G distribution.

N = Limited distribution of INDC documents concerning the international effort in the field of compilation and dissemination of nuclear data information. This group of recipients consists of Committee members and other continuing participants, Liaison Officers, Local Data Committees, Heads of Data Centres, and the IAEA Secretariat.

There are presently 189 names on the INDC/N distribution.

Categories of Document Recipients for Use of the INDC Secretariat

L = Regional Liaison Officers of the INDC.

There are presently 22 names on the INDC/L distribution.

C = Recipients of CINDA, the "Index to the Literature on Microscopic Neutron Data", within the service area of the Nuclear Data Section neutron data centre and the Soviet Union.

There are presently 171 names on the INDC/C distribution.

D = Recipients of CINDU, the "Catalogue of numerical neutron data available from the IAEA Nuclear Data Section".

There are presently 345 names on the INDC/D distribution.

For the complete list of individuals assigned to each of the above distribution codes, please consult the current "INDC Correspondents for the Exchange of Nuclear Data Information, INDC(SEC)-5/U, published November 1969.

Information for librarians

If the documents carry an original identification such as WASH-.. or AERE-.., etc., the INDC-number should be ignored.

Notice to INDC Document Originators

Member States and Organizations submitting documents to the INDC are advised to assign an INDC document designator, as described above, and affix it to the upper right-hand corner of the document prior to its distribution.

The INDC Secretariat (IAEA Nuclear Data Section) serves as the distribution centre for INDC documents. It is, however, expected that Member States distribute those documents which they originate to the individuals within their own country. Names of individuals to receive each one of the above described distributions, should be provided periodically by the Member States and Organizations to the Scientific Secretary of the INDC (IAEA Nuclear Data Section). It is also requested that a sufficient number of document copies for the appropriate distribution be provided by the originating state or organization to the INDC Secretariat (IAEA Nuclear Data Section).

INDC Document Designator	Date Received	Original Document Identification	Document title, author, other identification numbers, etc. ...	Accession number
INDC(UNI)-1/C	18 Jan 68	CINDA-67	CINDA 67 compilation, parts 1 and 2 (also EANDC-70, CCDN-CI/19, TID-24049)	205
INDC(IND)-1/G	19 Mar 68	BARC-291	Van de Graaff Laboratory Progress Report; T.P. David	206
INDC(UK)-1/G	15 Feb 68	HNDC/P49	U.K. Nuclear Data Progress Report (For six month period up to mid-1967) (also EANDC(UK)91)	208
INDC(TAI)-1/G	5 Apr 68	THAI.AEC-10	Certain Accounts on the Utilization of the Thai Research Reactor; Office of the Atomic Energy for Peace	209
INDC(EUR)-1/U	27 Mar 68	EANDC(E)89	Progress Report on Nuclear Data Research in the Euratom Community, 1 January to 31 December 1967	210
INDC(NDU)-1/U	9 Apr 68	-	Neutron Data Compilation at the International Atomic Energy Agency; H.D. Lemmel (presented as paper G-4 at the Second Conference on Neutron Cross Sections and Technology, 4-7 March 1968, Washington)	211
INDC(EANDC)-1/E	5 Mar 68	EANDC-61	RENDA - Compilation of EANDC Requests for Neutron Data Measurements; January 1968; W. Häussermann and S. Schwarz	212
INDC(USA)-1/G	9 Apr 68	-	Second Neutron Cross Sections and Technology Conference; Washington, March 4-7, 1968	214
INDC(UK)-2/G	18 Apr 68	AERE-PR/NP 13	Nuclear Physics Division Progress Report for the period 1st May 1967 to 31st October 1967; C.F. Coleman	215
INDC(IND)-2/G	22 Apr 68	BARC-305	Progress Report on Nuclear Data Activities in India - IV; Indian Nuclear Data Group, 1967	218
INDC(IND) -3/G	30 Apr 68	-	Proceedings of the Nuclear Physics and Solid State Physics Symposium 1967, Nuclear Physics; Kanpur, February 27 - March 3, 1967	219

INDC Document Designator	Date Received	Original Document Identification	Document title, author, other identification numbers, etc. ...	Accession number
INDC(USA)-3/U	30 Apr 68	EANDC(US)-106	Report of the NCSAC ad-hoc Subcommittee on Neutron Scattering, Topic No. 1, April 1968	220
INDC(NDU)-2/U	5 Jun 68	-	Nuclear Data Unit Correspondents for the Exchange of Nuclear Data Information; April 1968	221
INDC(AUL)-1/G	2 May 68	-	Report on Australian Activities, May 1967 - May 1968	222
INDC(UK)-3/G	2 May 68	EANDC(UK)-96	Average values of the fission cross section and alpha for $^{239}\text{Pu}$ in the neutron energy range 100 eV to 30 keV; B.H. Patrick et al.	223
INDC(UK)-4/G	2 May 68	EANDC(UK)-100	Progress Report on the Direct Measurement of $\alpha(E)$ for $^{239}\text{Pu}$ ; M.G. Schomberg et al.	224
INDC(UNI)-2/G	16 May 68	-	RENDA - A Compilation of Needed Neutron Data prepared for the INDC (preliminary version)	226
INDC(USA)-6/U	2 May 68	LA-DC-8781	The $^1\text{H}(n,n)$ Cross Section as a Nuclear Standard; John C. Hopkins	227
INDC(USA)-7/G	8 May 68	LA-DC-8859	Elastic Scattering of Fast Neutrons by Liquid Hydrogen, Deuterium, Tritium and by $\text{He}^3$ ; John D. Seagrave	228
INDC(NDU)-3/G Suppl.1-3	11 May 68	-	Status Report on the Review of the 2200 m/sec. Fission Constants; Westcott et al.	229
INDC(POL)-1/G	13 May 68	-	Progress Report on Nuclear Data Research in Poland, May 1967 - April 1968; T. Niewodniczanski	230
INDC(ENEA)-1/G	13 May 68	-	Progress Report of the ENEA Neutron Data Compilation Centre, presented to the 7th INDC meeting by V.J. Bell	231



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INDC(CCP)-1/G	31 May 68	-	Nuclear Physics Research in the USSR (Collected Abstracts), Issue 5, 1967	232
INDC(CCP)-1/U	22 Jan 69	-	English translation of INDC(CCP)-1/G	232E
INDC(USA)-2/E	10 Sep 68	WASH-1093	Reports to the AEC NCSAC: Meeting held at Los Alamos, April 3-4, 1968; compiled by M.S. Moore (also EANDC(US)-105, Physics TID-4500)	233
INDC(USA)-4/G	14 May 68	EANDC(US)-107	Preliminary Draft of a Status Report on Heavy-Element Cross Sections; M.S. Moore	234
INDC(NDU)-4/G	13 May 68	-	Report on the Nuclear Data Unit Data-Centre Activities	235
INDC(USA)-8/G	13 May 68	-	Comments on the U.S. Progress in Making Measurements Recommended by the Brussels Panel on Standards	236
INDC(USA)-5/G	13 May 68	-	Neutron Capture and Gamma-Ray Production Cross Sections, a draft report to the INDC; R.E. Chrien et al.	237
INDC(AUL)-2/G	13 May 68	-	Australian Comments on Data Catalogues	238
INDC(CAN)-2/G	May 68	-	g-factors at 20°C from Evaluated Data Files, by G.C. Hanna	239
INDC(GER)-1/G	13 May 68	-	Progress Report on Nuclear Data Research in the Federal Republic of Germany, J.J. Schmidt	240
INDC(IND)-4/G	13 May 68	-	Bhabha Atomic Research Centre, Indian Nuclear Data Group: Progress Report for the period May 1967 to April 1968	241
INDC(SEC)-1/G	13 May 68	-	International Nuclear Data Committee: Methods of Work	242
INDC(BZL)-1/G	13 May 68	-	Summary of the Progress Report; M.D. de Souza Santos	244
INDC(NDU)-5/D	31 May 68	CINDU-7	CINDU-7 compilation	245

INDC Document Designator	Date Received	Original Document Identification	Document title, author, other identification numbers, etc. ...	Accession Number
INDC(CAN)-1/G	31 May 68	EANDC(Can)-34	Progress report; January 1968; G.C. Hanna	246
INDC(UK)-5/G	17 Jun 68	AEEW-R 597	On the thermal neutron capture cross-sections of cobalt; J.S. Story	247
INDC(AUL)-3/G	9 Jul 68	-	The Statistical Estimation of Thermal-Neutron Cross Sections; J.L. Cook and A.L. Wall (Nucl.Science and Eng. 31, 234-240 (1968))	248
INDC(JAP)-1/E	28 Aug 68	JAERI-2961	Japanese Progress Report to the EANDC (January to December 1967); T. Momota (also EANDC(J)8)	249
INDC(UK)-6/G	29 Aug 68	AEEW-M 824	The UKAEA Nuclear Data Library; February 1968; D.S. Norton	250
INDC(IND)-5/G	28 Aug 68	BARC-318	Angular Anisotropy of Fission Fragments in Ternary Fission of U-235 Induced by 3 MeV Neutrons; D.M. Nadkarni	251
INDC(IND)-6/G	28 Aug 68	Madras-68	Nuclear Physics & Solid State Physics Symposium, Programme and Abstracts (Madras-36, February 27 - March 1, 1968)	252
INDC(UNI)-3/C	28 Aug 68	CINDA-68	CINDA-68 compilation	253
INDC(GER)-2/E	10 Sep 68	KFK 750	Tables of evaluated neutron cross sections for fast reactor materials; I. Langner, J.J. Schmidt, D. Woll (also EUR 3715e, EANDC(E)-88)	254
INDC(UK)-7/G	13 Sep 68	AEEW-M 790	Winfrith Nuclear Data Group Notes on Topics in Nuclear Data Evaluation, 1964-8; M.F. James and J.S. Story	255

INDC Document Designator	Date Received	Original Document Identification	Document title, author, other identification numbers, etc. ...	Accession Number
INDC(FR)-1/G,L	1 Oct 68	CEA-N-989	Examen Critique des Valeurs de $\alpha = \sigma_G/\sigma_F$ pour le $^{239}\text{Pu}$ au-dela de 1 keV et des Experiences pouvant Ameliorer sa Connaissance; J. Barre et al. (also EANDC(EUR)111)	256
INDC(CCP)-2/G,L	23 Oct 68	-	Method for the Interpolation, Evaluation and Compact Presentation of Inelastic Neutron Scattering Data; V.I. Popov et al. (English translation)	257E
INDC(YUG)-1/G	25 Oct 68	-	Progress Report from Yugoslavia submitted to the 7th INDC Meeting; I. Slaus	258
INDC(UK)-8/E	18 Nov 68	AERE-PR/NP 14	Nuclear Physics Division Progress Report for the period 1st November 1967 to 30th April 1968; Editor: C.F. Coleman	259
INDC(CCP)-3/G	15 Jan 69	-	Nuclear Physics Research in the USSR (Collected Abstracts) No. 6, 1968	260
INDC(CCP)-3/U	19 Mar 69	-	English translation of INDC(CCP)-3/G	260E
INDC(USA)-9/E	21 Jan 69	WASH-1124	Report of a Meeting held at Columbia University, New York, October 21-23, 1968 (also EANDC(US)-111)	261
INDC(AUL)-4/G	23 Jan 69	-	Neutron Capture; J.R. Bird (reprinted from "The Australian Physicist", Vol. 5, No. 8, pp.111-115, Aug. 1968)	262
INDC(NDU)-6/D	12 Feb 69	CINDU-8	CINDU-8 compilation	263
INDC(NDU)-7/G	6 Jan 69	-	Proceedings of the Panel on Neutron Measurement Standards, Brussels, 8-12 May 1967	264
INDC(GER)-3/E	10 Feb 69	KFK 1000	High Resolution Total Neutron Cross-Sections between 0.5 - 3.0 MeV; June 1968; S. Cierjacks et al. (also EUR 3963e, EANDC(E)-111)	265

INDC Document Designator	Date Received	Original Document Identification	Document title, author, other identification numbers, etc. ...	Accession Number
INDC(SEC)-2/G,L	28 Feb 69	-	Report to the Director General of the First Meeting of the INDC, Vienna, May 1968	266
INDC(NDU)-8/U	6 Mar 69	-	Nuclear Data Unit Correspondents for the Exchange of Nuclear Data Information, March 1969	267
INDC(UNI)-4/C	10 Mar 69	CINDA-68 suppl.1	CINDA-68 compilation, supplement 1	268
INDC(CAN)-3/E	10 Mar 69	EANDC(Can)-37	Canadian List of Requests for Measurement; Oct. 1968; G.C. Hanna	269
INDC(CAN)-4/E	10 Mar 69	EANDC(Can)-38	Progress Report to the EANDC (by Canada) Feb. 1968 to December 1968	270
INDC(EANDC)-2/L	18 Mar 69	EANDC-78	RENDA - Compilation of EANDC Requests for Neutron Data Measurements	271
INDC(SEC)-3/U	25 Mar 69	-	List of INDC Documents, March 1969	272
INDC(NDU)-9/U	April 69	IAEA-112	Report of the Panel on Neutron Data Compilation, held 10-14 February 1969 at Brookhaven National Laboratory	273
INDC(IND)-7/G	2 Apr 69	BARC-363	Yield of K X-Rays emitted from U <sup>236</sup> Fragments; S.S. Kapoor et al., BARC, Bombay	274
INDC(JAP)-3/E	14 Apr 69	JAERI-memo No. 3305	Progress Report January to October, 1968 inclusive; T. Momota (also EANDC(J)10"L")	275
INDC(NDU)-10/G	7 May 69	-	Report of the Nuclear Data Unit to the International Nuclear Data Committee, June 1968 to May 1969	276
INDC(NDU)-11/G	7 May 69	-	Report of the Panel on Neutron Data Compilation (final draft)	277

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INDC(ISL)-1/G	8 May 69	-	Progress Report from Israel	278
INDC(GER)-4/E	9 May 69	KFK 793	Analysis of Fast Critical Assemblies and Large Fast Power Reactors with Group-Constant Sets Recently Evaluated at Karlsruhe; H. Kusters et al. (also EUR 3962e and EANDC(E)-113)	279
INDC(GER)-5/E	9 May 69	KFK 880	Card Image Format of the Karlsruhe Evaluated Nuclear Data File KEDAK; D. Woll (also EUR 4160e and EANDC(E)-112"U")	280
INDC(EUR)-2/E	15 May 69	EANDC(E)-115"U"	Progress Report on Nuclear Data Research in the Euratom Community for the period January 1 to December 31, 1968	281
INDC(SAF)-1/G	20 May 69	-	Progress Report to the INDC, 1968; compiled by D. Reitmann	282
INDC(IND)-8/G	27 May 69	BARC-401	Nuclear Data Activities in India - V	283
INDC(PAK)-1/G	27 May 69	-	Progress Report from Pakistan; May 1969	284
INDC(IND)-9/G	2 Jun 69	BARC-364	Van de Graaff Laboratory Progress Report, compiled by T.P. David	285
INDC(JAP)-2/G	16 Apr 69	JAERI-4043	Bibliography for Thermal Neutron Scattering (Japan Atomic Energy Research Institute; March 1968) (also EANDC(J)9"L")	286
INDC(GER)-6/G	2 Jun 69	-	Progress Report on Nuclear Data Research in the Federal Republic of Germany, compiled by J.J. Schmidt	287
INDC(BZL)-2/G	2 Jun 69	-	Progress Report on Nuclear Data Research in Brazil for the Period May 1968 to May 1969	290

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INDC(AUL)-5/G	2 Jun 69	-	Report on Australian Activities, May 1968 - May 1969	291
INDC(AUL)-6/G	2 Jun 69	AAEC/E-198	Resonance Parameters for measured keV Neutron Capture Cross Sections, by A.R. de L. Musgrove	292
INDC(USA)-12/G	2 Jun 69	-	The Nuclear Safeguards Research and Development Program of the Los Alamos Scientific Laboratory; A Program Review Covering Calendar Year 1968; January 1969	293
INDC(USA)-11/G	2 Jun 69	WASH-1122	Research and Development for Safeguards, December 1968; G.M. Inman	294
INDC(USA)-10/U	2 Jun 69	WASH-1127	Reports to the AEC Nuclear Cross Section Advisory Committee Meeting at Oak Ridge, 15-17 April 1969, compiled by M.S. Moore	295
INDC(UK)-9/E	2 Jun 69	AERE-PR/NP-15	Nuclear Physics Division Progress Report, 1 May 68 - 31 October 68; edited by C.F. Coleman and C.A. Uttley	296
INDC(POL)-2/G	2 Jun 69	-	Progress Report on Nuclear Data Research in Poland May 1968 - April 1969, edited by T. Niewodniczanski	297
INDC(UNI)-5/G	Jul 69	CINDA 69	An index to the literature on microscopic neutron data	298
INDC(ENEA)-2/G	2 Jun 69	-	ENEA Neutron Data Compilation Centre Progress Report (presented by V.J. Bell at the 2nd INDC Meeting) May 1968 - May 1969	299
INDC(USA)-13/E	4 Sep 69	-	Review of Isotopes Target Program, January 1965 - December 1967	300
INDC(GER)-7/E	18 Aug 69	KFK-941	Basic Requirements of Advanced Neutron Data Storage and Retrieval Systems (CSISRS); March 1969; J.J. Schmidt (also EUR 4163e and EANDC(E)-114"U")	301

INDC Document Designator	Date Received	Original Document Identification	Document title, author, other identification numbers, etc. ...	Accession Number
INDC(NDU)-12/G,L	29 Aug 69	-	Revision of Values for the 2200 m/sec Neutron Constants for Four Fissile Nuclides, by G.C. Hanna et al.	302
INDC(IAEA)-1/N,L	25 Sep 69	IAEA/NPR/5	Meeting of Specialists on the Value of Plutonium Alpha	303
INDC(CCP)-4/G	5 Nov 69	-	Information Bulletin of the Nuclear Data Centre Obninsk, Volume No. 4	304
INDC(CCP)-4/U	(in translation)		English translation of INDC(CCP)-4/G	304E
INDC(CAN)-5/G		AECL-3255	Report on g-factors, by C.H. Westcott; (also EANDC(Can)41)	305
INDC(CAN)-6/E		EANDC(Can)40	Progress Report to the EANDC	306
INDC(JAP)-4/E		EANDC(J)13L	Progress Report, November 1968 to July 1969 inclusive; edited by T. Momota	307
INDC(NDU)-13/G	23 Oct 69	-	Travel Report on T.A. Byer's Mission to Latin America	308
INDC(SEC)-4/U	Nov 69	-	List of INDC Documents	311
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INDC(NDU)-14/N	Nov 69	-	Compilation of $\sigma$ Capture for $^{238}\text{U}$ ; V. Konshin	312
INDC(NDU)-15/D	Nov 69	CINDU-9	CINDU-9 compilation	314
INDC(CCP)-5/G	5 Nov 69	-	Distribution of Resonance Neutrons in Homogeneous Media, L.P. Abagyan et al.; Supplement to the Information Bulletin 1968	313
INDC(CCP)-5/U	(in translation)		English translation of INDC(CCP)-5/G	313E

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