NDS - DOIs and Licenses

Ludmila Marian, NRDC Meeting, 14th of May 2024

DOI Assignment

- Using CrossRef, only for IAEA authored content

  - On-going discussions with the IAEA Legal Department on what is considered *IAEA authored.*

- Started with the INDC Reports

  - **125 DOIs** assigned so far, on-going for all the backlog.

DOI	Author	Title	Month	Year	INDC key
10.61092/iaea.yb59-mnft	R. Capote, A. Trkov	Evaluation of Thermal Neutron Capture Gamma Spectra	May	2020	INDC-NDS-0810
10.61092/iaea.7zgq-zwwx	A.S. Vorobyev, O.A. Shcherbakov	Experimental Investigation of the Properties of Scission Neutrons In Thermal-Neutron Induced Fission of ^{233}U and ^{235}U	Feb	2020	INDC-NDS-0809
10.61092/iaea.8t4w-essq	A.S. Vorobyev, O.A. Shcherbakov	Scission Neutrons from Thermal Neutron induced Fission of ^{239}Pu and spontaneous Fission of ^{252}Cf	Feb	2020	INDC-NDS-0808
10.61092/iaea.6fxg-n58v	Robert C. Haight	Scission Neutrons in Spontaneous and Neutron-Induced Fission: Effect on Prompt Fission Neutron Spectra		2020	INDC-NDS-0807
10.61092/iaea.mqm9-ztqr	A. Trkov, S. Kopecky and R. Capote Noy	International Nuclear Data Evaluation Network (INDEN) on the Evaluated Data of the Structural Materials (2)	Dec	2020	INDC-NDS-0806
10.61092/iaea.0nm2-cc83	C. Hill	Development of Software Programs and Database Tools for Modelling Edge Plasma Processes in Fusion Devices	Dec	2019	INDC-NDS-0805
10.61092/iaea.evmm-6qb7	M. Fleming, R. Capote Noy	The International Nuclear Data Evaluation Network (INDEN) on Actinide Evaluation in the Resonance Region (2)	Dec	2019	INDC-NDS-0804
10.61092/iaea.agtk-r4gy	C. Hill	International Atomic and Molecular Code Centres Network: Database Services for Radiation Damage in Nuclear Materials	Jan	2020	INDC-NDS-0803
10.61092/iaea.abax-bx8d	R. Capote Noy, M. Kowal	Recommended Input Parameter Library (RIPL) for Fission Cross Section Calculation	May	2022	INDC-NDS-0802
10.61092/iaea.rg9k-wjvd	K. Heinola	Technical Aspects of Atomic and Molecular at Processing and Exchange 25th Meeting of the Atomic and Molecular Data Centres Network	May	2021	INDC-NDS-0801
10.61092/iaea.t5at-c64q	C. Hill	Evaluation of Fundamental Data on Beryllium-containing Species for Edge Plasma Modelling	Sep	2020	INDC-NDS-0800
10.61092/iaea.9rjy-vj8w	J. Kopecky	Photon Strength Functions in Thermal Neutron Capture	Jan	2020	INDC-NDS-0799
10.61092/iaea.1gkq-x865	A.C. Kahler and A. Trkov	Processing Codes	Oct	2019	INDC-NDS-0798
10.61092/iaea.7971-8zbz	D. Leichtle and A. Trkov	FENDL Library for Fusion Neutronics Calculations	Oct	2019	INDC-NDS-0797
10.61092/iaea.0jns-0tkd	K.I. Zolotarev	Evaluation of ^{50}Cr(n,gamma)^{51}Cr, ^{56}Fe(n,x)^{54}Mn, ^{57}Fe(n,x)^{56}Mn, and ^{68}Zn(n,x)^{67}Cu reaction cross sections for the IRDFF library	Aug	2019	INDC-NDS-0796
10.61092/iaea.pcrs-xry3	A. Trkov	Nuclear Data for Neutron Activation Analysis and Dosimetry	Aug	2019	INDC-NDS-0795
10.61092/iaea.yjpc-cns6	N.J. Stone	Table of Recommended Nuclear Magnetic Dipole Moments: Part I - Long-lived States	Nov	2019	INDC-NDS-0794
10.61092/iaea.ckk7-tzvy		Fission Product Yield Experimental Database	Jun	2019	INDC-NDS-0793
10.61092/iaea.wbnj-jv9n	Naohiko Otuka, Michael Fleming	International Network of Nuclear Reaction Data Centres (NRDC)	Jun	2019	INDC-NDS-0792
10.61092/iaea.zr3b-121v	Zhenpeng Chen and Yeying Sun	A Global Fitting Method with the R-Matrix code RAC	Dec	2019	INDC-NDS-0791
10.61092/iaea.jqbt-zmjb	J. Kopecky and S. Goriely	Strength Functions Derived from The Discrete And Average Neutron Resonance Capture	Jul	2019	INDC-NDS-0790
10.61092/iaea.vr5w-1y0s	M. Majerle, et al.	IAEA Coordinated Research Project F41031: Testing and Improving the IAEA International Reactor Dosimetry and Fusion File (IRDFF)	May	2019	INDC-NDS-0789
10.61092/iaea.acf3-gjj4	Richard J. deBoer , Paraskevi Dimitriou	International Nuclear Data Evaluation Network (INDEN) Meeting on the Evaluation of Light Elements (2)	Aug	2019	INDC-NDS-0788
10.61092/iaea.4jec-5ph0	H. Leeb, P. Dimitriou, I. Thompson	R-Matrix Codes for Charged-particle Reactions in the Resolved Resonance Region (5)	Sep	2019	INDC-NDS-0787
10.61092/iaea.e4zk-7ryk	M. Fallot, B. Littlejohn, P. Dimitriou	Nuclear Data for Antineutrino Spectra and their Applications	Jul	2019	INDC-NDS-0786
10.61092/iaea.ny5x-0pq9	Bor Kos, Ivan A. Kodeli	MCNP modelling of the TIARA SINBAD shielding benchmark	May	2019	INDC-NDS-0785
10.61092/iaea.y3a1-394h	V.M. Piksaikin, A.S. Egorov, D.E. Gremyachkin, K.V. Mitrofanov	New Aggregate Data in the IAEA Reference Database for Beta-delayed Neutron Emission	May	2019	INDC-NDS-0784
10.61092/iaea.dvkb-9xtw	A.L. Nichols, E.A. Ricard-McCutchan, J.K. Tuli, P. Dimitriou	International Network of Nuclear Structure and Decay Data (NSDD) Evaluators	Jul	2019	INDC-NDS-0783
10.61092/iaea.nw6r-gvbe	C. Hill	Plasma-wall Interaction with Reduced-activation Steel Surfaces in Fusion Devices	Mar	2019	INDC-NDS-0782
10.61092/iaea.zzjz-hsb9	K. Heinola	Atomic Data for Vapour Shielding in Fusion Devices	May	2019	INDC-NDS-0781
10.61092/iaea.19hv-wzn5	C. Hill	Data for Atomic Processes of Neutral Beams in Fusion Plasma	Feb	2019	INDC-NDS-0780
10.61092/iaea.6skb-89xd	C. Hill	Atomic, Molecular and Plasma-Material Interaction Data Evaluation and Development	Jan	2019	INDC-NDS-0779
10.61092/iaea.6ajw-8ajb	Dermott E. Cullen	The Importance of Resonance Self-Shielding	Mar	2019	INDC-NDS-0778
10.61092/iaea.cbxm-8pve	M. Wiedeking, D. Filipescu, P. Dimitriou	Updating Photonuclear Data Library and Generating a Reference Database for Photon Strength Functions	Mar	2019	INDC-NDS-0777
10.61092/iaea.6pjr-s8ta	J.W. Engle, A.L. Nichols and R. Capote Noy	Nuclear Data for Medical Applications	May	2019	INDC-NDS-0776
10.61092/iaea.y4be-1t6s	T. Kibedi, V. Dimitriou	Improvement of Analysis Codes for Nuclear Structure and Decay Data Evaluations	Feb	2019	INDC-NDS-0774
10.61092/iaea.zcyf-xyxc	S. Okumura, M. Odsuren	Compilation of Experimental Nuclear Reaction Data	Dec	2018	INDC-NDS-0773
10.61092/iaea.j0qb-ddr7	Jiri Kopecky	Revision and Update of experimental Gamma-Ray Strength Functions Derived from the Discrete Neutron Resonance Capture	Dec	2018	INDC-NDS-0772
10.61092/iaea.ke59-yaj1	Bor Kos, Ivan A. Kodeli	MCNP modelling of the ASPIS Iron88 SINBAD shielding benchmark	Sep	2018	INDC-NDS-0771
10.61092/iaea.40ee-e2jh	S. Kopecky and A. Trkov	International Nuclear Data Evaluation Network (INDEN) Meeting on the Evaluation of Structural Materials (1)	Mar	2019	INDC-NDS-0770
10.61092/iaea.9php-nsvn	L. Packer and A. Trkov	FENDL Library for Fusion Neutronics Calculations	Dec	2018	INDC-NDS-0769
10.61092/iaea.0zgf-6yg6	Richard J. DeBoer, Paraskevi Dimitriou	International Nuclear Data Evaluation Network (INDEN) Meeting on the Evaluation of Light Elements (1)	Nov	2018	INDC-NDS-0768
10.61092/iaea.59jc-2d3b	H. Leeb, P. Dimitriou and I. Thompson	R-matrix Codes for Charged-particle Reactions in the Resolved Resonance Region (4)	Nov	2018	INDC-NDS-0767
10.61092/iaea.c7t6-j2x8	Jeremy L. Conlin, Andrej Trkov	Nuclear Data Processing	Nov	2018	INDC-NDS-0766
10.61092/iaea.h1rf-8b4j	C. Hill and K. Heinola	21st Meeting of the IFRC Subcommittee on Atomic and Molecular Data for Fusion	May	2018	INDC-NDS-0765
10.61092/iaea.0nt4-9rvy	M. Gilbert and J.-C. Sublet	Compilation of Nuclear Data Experiments for Radiation Characterisation (CoNDERC)	Aug	2018	INDC-NDS-0764
10.61092/iaea.es5s-56e5	J. Shimwell and J.-C. Sublet	Nuclear Data Portal Web Tools	Aug	2018	INDC-NDS-0763
10.61092/iaea.k0d5-hx5s	Naohiko Otuka, Alok Saxena	International Network of Nuclear Reaction Data Centres	Jun	2018	INDC-NDS-0762
10.61092/iaea.yxma-3y50	D.L. Smith, D. Neudecker, R. Capote Noy	Investigation of the Effects of Probability Density Function Kurtosis on Evaluated Data Results	May	2018	INDC-NDS-0761
10.61092/iaea.htae-yvp7	G. Noguere, A. Trkov	The International Nuclear Data Evaluation Network (INDEN) on Actinide Evaluation in the Resonance Region (1)	Jul	2018	INDC-NDS-0760
10.61092/iaea.xfk8-g3px	D.E. Cullen	ENDF/B-VIII versus ENDF/B-VII: What`s Different?	May	2018	INDC-NDS-0759
10.61092/iaea.5knd-4xdd	E. Mendoza and D. Cano-Ott	Update of the Evaluated Neutron Cross Section Libraries for the Geant4 Code	Jun	2018	INDC-NDS-0758
10.61092/iaea.a8ym-9xyh	A. Trkov, R. Capote	On the Benchmarking of INDEN Improved Iron Evaluations	May	2018	INDC-NDS-0757
10.61092/iaea.0mqz-qj78	A.J. Koning and R. Capote Noy	Report of the IAEA Nuclear Data Section to the International Nuclear Data Committee for the period January 2016 - December 2017	Apr	2018	INDC-NDS-0756
10.61092/iaea.tnym-m78v	C. Hill	Atomic Data for Vapour Shielding in Fusion Devices	Jul	2018	INDC-NDS-0755
10.61092/iaea.basb-m78v	B.J. Braams and C. Hill	Plasma-wall Interaction with Reduced-activation Steel Surfaces in Fusion Devices	Mar	2018	INDC-NDS-0754

Landing page for INDC Reports including the DOI

Cover page for Reports with the DOI stamp

DOI Assignment for the EXFOR Master File

- On-going discussions with the IAEA Legal Office

- Preliminary solution: statement in the NRDC official documents regarding the authorship of NRDC products with the scope of assigning DOIs

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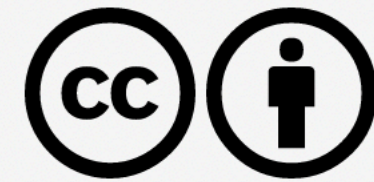
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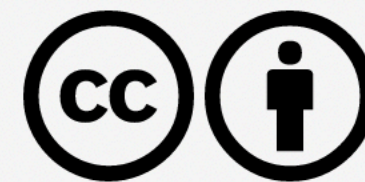
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Update (16th of May):

We received the official confirmation from the IAEA Legal Office.

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