

Article collection and improvement of primary reference coding

(L. Vrapcjenjak, N. Otsuka 2024-05-09)

Further to the CP-D/1098 from November 2023, the improvement of the primary reference coding is work in progress.

Already before the last NRDC Meeting, all the missing references in EXFOR were checked and collected. When running the reports again, there were still many which even though the pdf exists in our database but does not appear on the webpage of NSR PDF because of the problems with naming of the references.

From the list we were able to identify and create 3 categories of the missing/problematic ones: “Russian/English translation”, “Thesis” and “Other” which include mostly reports and missing journals.

After the decision at the last NRDC meeting to put English translation as first reference instead of the original reference, the list has shortened for us. Nevertheless, “Thesis” and “Other” are still work in progress.

Thesis are very difficult to find, and many libraries around the world digitise only upon request and approval provided there is staff to do it. Approximately 40 thesis are still to be checked but here the bigger issue is in obtaining them at all. So whenever you come across thesis relevant to EXFOR, please send it to us as well.

In the third group we still have around 400 references to check. 161 were mentioned in the Feedback list, most still to be checked.

Just so you understand the load – whenever we cannot find a pdf (after searching on internet, Inis, our NDS library, main library for hardcopy) we have to request it. At the moment list of the items pending, is very long some pending for more than a year...

Id	Source	Title	Author(s)	Date
14	N	Journal article	The tendency towards equalization of the 234U/238U isotopic activity ratio...	2024-03-01
15	N	TECHNICAL Report	THE (\$sup 35He,p) AND (\$alphaS,d), TWO-NUCLEON STRIPPING REACTIONS O...	2023-09-12
16	N	TECHNICAL Report	An absolute measurement of the Li-7(N,n)at reaction cross section betwe...	2023-01-26
17	N	TECHNICAL Report	Alpha decay after resonance neutron capture by samarium and neodymium	2023-08-24
18	N	TECHNICAL Report	Analysis of the non-statistical effects in the (n,gamma) reaction in mass re...	2023-08-23
19	N	TECHNICAL Report	Analysis of the non-statistical effects in the (n,gamma) reaction in mass re...	2023-08-23
20	N	TECHNICAL Report	Angular distribution of the 6Li(d,p)7Li reaction	2023-08-18

N	X	Type	Title	Requester
N		TECHNICAL Report	THE (\$sup 35He,p) AND (\$alphaS,d), TWO-NUCLEON STRIPPING REACTIONS O...	Vrapcjenjak, Lidija
N		TECHNICAL Report	An absolute measurement of the Li-7(N,n)at reaction cross section betwe...	Vrapcjenjak, Lidija
N		TECHNICAL Report	Alpha decay after resonance neutron capture by samarium and neodymium	Vrapcjenjak, Lidija
N		TECHNICAL Report	Analysis of the non-statistical effects in the (n,gamma) reaction in mass re...	Vrapcjenjak, Lidija
N		TECHNICAL Report	Analysis of the non-statistical effects in the (n,gamma) reaction in mass re...	Vrapcjenjak, Lidija
N		TECHNICAL Report	Angular distribution of the 6Li(d,p)7Li reaction	Vrapcjenjak, Lidija
N		TECHNICAL Report	Chicago Operations Office, A.E.C., Contract rept.	Vrapcjenjak, Lidija
N		Conference proceedings	Conference on Nuclear Structure and Elementary Particles	Vrapcjenjak, Lidija
N		TECHNICAL Report	The contra-lateral contribution for camera and scanner	Vrapcjenjak, Lidija
N		TECHNICAL Report	CONTRIBUTION TO THE STUDY OF THE FAST NEUTRON INDUCED FISSION OF T...	Vrapcjenjak, Lidija
N		TECHNICAL Report	THE CROSS SECTION FOR THE LI-7(N,N+T) REACTION	Vrapcjenjak, Lidija
N		TECHNICAL Report	THE CROSS SECTION FOR THE O-16(N,A) REACTION FOR NEUTRON ENERGIES I...	Vrapcjenjak, Lidija
N		TECHNICAL Report	Determination of differential elastic and inelastic and double-differential n...	Vrapcjenjak, Lidija
N		TECHNICAL Report	Determination of neutron scattering cross sections of 9Be at energies bet...	Vrapcjenjak, Lidija
N		TECHNICAL Report	DETERMINATION OF THE THERMAL NEUTRON CAPTURE CROSS SECTION OF PA-233	Vrapcjenjak, Lidija
N		TECHNICAL Report	Elastic and inelastic scattering of neutrons by Na at 8.0,9.7 and 14.1 MeV	Vrapcjenjak, Lidija
N		TECHNICAL Report	Energy Determination of Some Na and Al Neutron Resonances	Vrapcjenjak, Lidija
N		TECHNICAL Report	Excitation curve of the reaction Ta-181(n,2n)Ta-180g	Vrapcjenjak, Lidija
N		Book	Experimentelle Bestimmung und theoretische Interpretation von Dunntarg...	Vrapcjenjak, Lidija
N		TECHNICAL Report	FAST NEUTRON FLUENCE DETECTOR USING THE REACTION NB-93(N,N)NB-93(...	Vrapcjenjak, Lidija

#	N	X	Type	Title	Requester	Request Date
41	N		Book	META Scattering of 14.5 MeV neutrons from lithium in an LiI(Eu) scintillator	Vrapcenjak, Lidija	
42			Book	Neutron Induced Reactions Between 14.4 and 16.7 MeV	Vrapcenjak, Lidija	
43	N		TECHNICAL Report	NEUTRON RESONANCE PARAMETERS OF 240PU	Vrapcenjak, Lidija	
44	N		TECHNICAL Report	THE NEUTRON TOTAL CROSS SECTION OF THE FISSION PRODUCT CAESIUM	Vrapcenjak, Lidija	
45	N		TECHNICAL Report	Neutron transmission and resonance parameters in Pu-240	Vrapcenjak, Lidija	
46	N		Book	Neutron-deuteron Elastic Differential Cross Section from 25.0 to 55.0 MeV	Vrapcenjak, Lidija	
47	N		TECHNICAL Report	not known	Vrapcenjak, Lidija	
48			TECHNICAL Report	not known	Vrapcenjak, Lidija	
49	N		Book	PHD Thesis University of Heidelberg	Vrapcenjak, Lidija	
50	N		TECHNICAL Report	PHYSICS DEPARTMENT REPORT, JUNE--SEPTEMBER 1966.	Vrapcenjak, Lidija	
51			Book	PRECISION MEASUREMENT OF THE NEUTRON-PROTON TOTAL CROSS SECTION ...	Vrapcenjak, Lidija	
52	N		TECHNICAL Report	Progress Report from UNDC	Vrapcenjak, Lidija	
53	N		TECHNICAL Report	Prompt gamma-ray yields from thick target B,Al,Si and Sc bombarding by pr...	Vrapcenjak, Lidija	
54	N		TECHNICAL Report	PU-239 TOTAL CROSS SECTION	Vrapcenjak, Lidija	
55	N		TECHNICAL Report	Radiative capture cross sections of 30-170 keV neutrons	Vrapcenjak, Lidija	
56			Book	The Relative Abundances and Pile Neutron Capture Cross-Sections of the L...	Vrapcenjak, Lidija	
57	N		TECHNICAL Report	THE RELATIVE VARIATION OF ETA FOR U-235 WITH INCIDENT NEUTRON ENERGY	Vrapcenjak, Lidija	
58	N		TECHNICAL Report	Report from misc. OECD Countries to EANDC, No.117	Vrapcenjak, Lidija	
59	N		TECHNICAL Report	Research in activation analysis, New York Operations Office Reports	Vrapcenjak, Lidija	
60	N		TECHNICAL Report	RESONANCE PARAMETERS OF RH AND SM-147	Vrapcenjak, Lidija	

#	N	X	Type	Title	Requester	Request Date
61	N		Book	S-WAVE AND P-WAVE RESONANCE NEUTRON CAPTURE IN ZR-91, NB-93 AND R...	Vrapcenjak, Lidija	2024-02-27
62	N		TECHNICAL Report	Some features of hie correlation between the (d,p) and (n,gamma) reduce...	Vrapcenjak, Lidija	2023-08-23
63	N		TECHNICAL Report	SPIN-DEPENDENCE OF LEVEL DENSITY IN 72-HF-178 AND 72-HF-180 BY RESONA...	Vrapcenjak, Lidija	2023-09-11
64	N		TECHNICAL Report	Study of nuclei fission at lead slowing-down-time neutron spectrometer L.S...	Vrapcenjak, Lidija	2023-08-24
65			Book	A STUDY OF THE (N,N GAMMA) REACTIONS IN V51 AND MN55 AND THE REACTL...	Vrapcenjak, Lidija	2024-02-27
66			Book	TOTAL CROSS-SECTIONS FOR 14 MEV NEUTRONS	Vrapcenjak, Lidija	2024-02-27
67	N		TECHNICAL Report	University of Jyväskylä Annual Report	Vrapcenjak, Lidija	2023-04-03
68	N		TECHNICAL Report	University of Michigan Reports	Vrapcenjak, Lidija	2023-09-12

65antwerp_288(103)_1965.pdf example when paper number is needed

72kiev_1_49(1)_1972.pdf example when (1) needs to be deleted

Suggestions

- addition of an INDC report in an EXFOR entry as an alias when it is missing under REFERENCE.
- omit the volume number field when the article can be identified without it (similar to omission of the issue number field for journal articles).

Actions from previous meeting

From the list of actions from previous meeting, A86 is continued action until we have a new incumbent for the P3 post. Thanks to Boris for further providing the pdf files. In connection with this action, I would like to stress the need of knowledge transfer when it is to be foreseen that Network Member will be retiring, to ensure the smooth continuation and transfer.

A87 and A88 collection of articles coded under REFERENCE when new prelims are submitted is a continued action, and performed as prelims are announced.