**Nuclear Data Section**

**International Atomic Energy Agency**

**P.O.Box 100, A-1400 Vienna, Austria**

**Memo CP-D/1098**

**Date:** 30 November 2023

**To:** Distribution

**From:** N. Otsuka, L. Vrapcenjak

**Subject: Improvement of primary reference coding**

In connection with collection of article copies for the primary references of EXFOR entries, we would like to propose update of some REFERENCE codes for better connection with the NDS pdf database system. The items registered in the Feedback List are summarized in the list appended to this memo.

In addition to the registered items, we also observe a few general issues:

* Removal of an unnecessary issue number for journals and reports:
  + J,CNP (46 entries)
  + J,YF (6 entries)
  + J, DOK (2 entries)
  + J, IZV (2 entries)
  + J,AE (1 entry)
  + R,YK- (1 entry).
* Removal of an unnecessary paper number for books: B,RCS (22 entries)
* Removal of an unnecessary distribution code for reports (3 entries)

which are also summarized in the appended list but without registration in the Feedback List. The originating centres are encouraged to update these reference codes when time permits.

**Coding of progress reports ORO-2791-30 and ORO-2791-32**

During this assessment, we found that the progress report ORO-2791-30 is coded in 4 entries and ORO-2791-32 is coded in 11 entries with page numbers as the primary reference. These reports compile neutron induced gamma production cross sections measured under a contract. Each report has an author list on the cover page only, and we do not know if presence of a page number in the reference code is appropriate for citation by end users. On the other hand, we can delete the paper number only if we confirm all EXFORable data in these reports are compiled in EXFOR. An ideal solution would be to merge these entries from the same report into one entry, but we know it requires an effort.

**Appendix**

**1. Items registered in Feedback List**

|  |  |  |
| --- | --- | --- |
| **Entry** | **Keyword** | **Remark** |
| 10431 | REFERENCE | T,BARI,1971 -> T,BARI,1972 |
| 10609 | REFERENCE | P,NCSAC-42,190,1978 -> P,NCSAC-42,190,1971 |
| 11272 | REFERENCE | R,BNL-719-III,1034,61 -> S,BNL-719I,1034,1961 |
| 11378 | REFERENCE | R,LMSC-4-50-62-1,22,1962 -> R,LMSC-4-50-62-1,1962. Check if the datasets other than those in Sect.2.2 are for compilation. (c.f. 11378 for gold capture). |
| 11532 | REFERENCE | R,USNRDL-861,1965 -> R,USNRDL-TR-861,1965 |
| 11646 | REFERENCE | Delete R,CR-1860,64 (CR is not for a report from Canada) |
| 11887 | REFERENCE | B,RCS,,642(70),1951 -> B,RCS,2,642,1951 |
| 12071 | REFERENCE | P,ORNL-3924,28,1965 -> P,ORNL-3924,28,1966 |
| 12411 | REFERENCE | P,IDO-16373,37,5707 -> P,IDO-16373,39,1957 |
| 12479 | REFERENCE | P,ANL-6072,4,59 -> P,ANL-6072,2,1959 (c.f. Table of contents) |
| 12479 | TITLE | Must be "Cross section measurements with the fast neutron velocity selector". |
| 12500 | REFERENCE | TITLE must be "The thermal neutron spectrum and Topsy neutron spectrum fission cross sections of U237". |
| 12974 | REFERENCE | BAP: page: 703(DE12) -> 723(DE12) |
| 12974 | AUTHOR | 1st author: H.G.Knox -> H.D.Knox |
| 13335 | REFERENCE | S,NUREG/CP-0004,(3),1289,197710 -> C,77PALOALTO,3,1289,1977 (c.f. CP-C/0459). |
| 13342 | REFERENCE | S,NUREG/CP-0004,(3),1307,1977 -> C,77PALOALTO,3,1307,1977 (c.f. CP-C/0459). |
| 13395 | REFERENCE | B,RCS,3,1368(216),1951 -> B,RCS,2,1368,1951 |
| 13396 | REFERENCE | B,RCS,3,1372(217),1951 -> B,RCS,2,1372,1951 |
| 13397 | REFERENCE | B,RCS,3,1375(218),1951 -> B,RCS,2,1375,1951 |
| 13398 | REFERENCE | B,RCS,3,1344(206),1951 -> B,RCS,2,1344,1951 |
| 13405 | REFERENCE | P,CC-920,4,4309 -> P,CC-920,4,1945 |
| 13478 | REFERENCE | S,NUREG/CP-0004,(3),1289,197710 -> C,77PALOALTO,3,1289,1977 (c.f. CP-C/0459). |
| 13479 | REFERENCE | S,NUREG/CP-0004,(3),1289,197710 -> C,77PALOALTO,3,1289,1977 (c.f. CP-C/0459). |
| 13735 | REFERENCE | J,BAP,36,1349(J10-10),199104 -> J,BAP,36,1349(J1010),1991 |
| 13792 | REFERENCE | BAP: page: 561 -> 561(AN12) |
| 13792 | REFERENCE | J,BAP,20,561,197504 -> J,BAP,20,561(AN12),1975 |
| 14052 | REFERENCE | P,INDC(USA)-83,1241,1980 -> P,INDC(USA)-83,124(1),1980 |
| 14073 | REFERENCE | BAP: page: 40 -> 40(JA7) |
| 14100 | REFERENCE | R,DP-949,1969 -> R,DP-949,1965 |
| 14100 | TITLE | Must be "Energy spectra of neutrons and gamma rays from spontaneous fission of 244Cm". |
| 14167 | REFERENCE | Delete R,NUREG/CP-0004,(3),953,1979. 77PALOALTO is used for this conference (c.f. CP-C/0459). |
| 14171 | REFERENCE | Delete R,NUREG/CP-0004,(3),959,1979. 77PALOALTO is used for this conference (c.f. CP-C/0459). |
| 14594 | REFERENCE | B,RCS,3,1334,1951 -> B,RCS,2,1334,1951 |
| 20186 | REFERENCE | P,EANDC(E)-115,195,6903 -> P,EANDC(E)-115,195,1968 |
| 20666 | REFERENCE | Add P,INDC(GER)-18,43,1976 as an alias of P,NEANDC(E)-172U,(5),43,1976. |
| 20694 | REFERENCE | Add P,INDC(JAP)-30,42,1976 as an alias of P,NEANDC(J)-44,42,1976. |
| 20697 | REFERENCE | Add P,INDC(JAP)-30,65,1976 as an alias of P,NEANDC(J)-44,65,1976. |
| 20705 | REFERENCE | R,AERE-R-7919,1,7502 -> R,AERE-R-7919,1975 |
| 20709 | REFERENCE | R,KFK-2337,1,1976 -> R,KFK-2337,1976 |
| 20754 | REFERENCE | Add P,INDC(EUR)-10,7,1976 as an alias of P,NEANDC(E)-182,(3),7,1976. |
| 20773 | REFERENCE | Add P,INDC(GER)-20,19,1978 as an alias of P,NEANDC(E)-192,(5),19,1978. |
| 20776 | REFERENCE | Add P,INDC(SWT)-6,1974 as an alias of P,NEANDC(OR)-140,9,1974. |
| 20801 | REFERENCE | Add P,INDC(FR)-29,1978 as an alias of P,NEANDC(E)-196,1978. |
| 20839 | REFERENCE | Add R,INDC(FR)-13,1978 as an alias of R,NEANDC(E)-180,1978. |
| 20847 | REFERENCE | Add P,INDC(JAP)-37,33,1977 as an alias of P,NEANDC(J)-51,33,1977. |
| 20850 | REFERENCE | Add P,INDC(JAP)-37,60,1977 as an alias of P,NEANDC(J)-51,60,1977. |
| 20851 | REFERENCE | Add P,INDC(JAP)-37,64,1977 as an alias of P,NEANDC(J)-51,64,1977. |
| 20914 | REFERENCE | Add T,MOXON,196807 (M.Sci thesis presented to London Univ.) as an alias of R,NP-17644,1968. |
| 20914 | REFERENCE | Must be "The measurement of average neutron capture cross-sections in the mass region above 100"). |
| 20950 | REFERENCE | Add P,INDC(UK)-28,61,1976 as a alias of P,NEANDC(E)-172,(8),61,1976. |
| 20952 | REFERENCE | Add C,80BNL,,413,1980 as the primary reference. |
| 20990 | REFERENCE | P,JAERI-6320,165,7511 -> P,JAERI-M-6320,163,1975 |
| 21002 | REFERENCE | Add P,INDC(SWT)-12,7,1978 as an alias of P,NEANDC(OR)-151,7,1978. |
| 21007 | REFERENCE | Add P,INDC(GER)-20,67,1978 as an alias of P,NEANDC(E)-192,(5),67,1978. |
| 21008 | REFERENCE | Add P,INDC(GER)-20,70,1978 as an alias of P,NEANDC(E)-192,(5),70,1978. |
| 21011 | REFERENCE | Add P,INDC(GER)-19,7,1977 as an alis of P,NEANDC(E)-182,(5),7,1977. |
| 21012 | REFERENCE | Add P,INDC(GER)-19,78,1977 as an alias of P,NEANDC(E)-182,(5),78,1977. |
| 21013 | REFERENCE | Add P,INDC(GER)-19,78,1977 as an alias of P,NEANDC(E)-182,(5),78,1977. |
| 21225 | REFERENCE | R,CEA-R-2399,,6504 -> R,CEA-2399,1963 |
| 21300 | REFERENCE | Add P,INDC(JAP)-47,94,1979 as an alias of P,NEANDC(J)-61U,94,1979. |
| 21334 | REFERENCE | Add T,MOXON,196807 (M.Sci thesis presented to London Univ.) as an alias of R,NP-17644,1968. |
| 21334 | TITLE | Must be "The measurement of average neutron capture cross-sections in the mass region above 100"). |
| 21410 | REFERENCE | R,AERE-R-5874,1,1968 -> R,AERE-R-5874,1968 |
| 21513 | REFERENCE | P,EANDC(E)-049,94,196310 -> P,EANDC(E)-49,94,1963 |
| 21629 | REFERENCE | Add P,INDC(JAP)-37,13,1977 as an alias of P,NEANDC(J)-51,13,1977. |
| 21633 | REFERENCE | Add P,INDC(UK)-32,79,1980 as an alias of P,NEANDC(E)-212,(8),79,1980. |
| 21646 | REFERENCE | Add P,INDC(UK)-32,52,1980 as an alias of P,NEANDC(E)-212,(8),52,1980. |
| 21662 | REFERENCE | Add P,INDC(GER)-21,74,1979 as an alias of P,NEANDC(E)-202,(5),74,1979. |
| 21667 | REFERENCE | C,79KNOX,,45,1979 -> C,79KNOX,,408,1979 |
| 21669 | REFERENCE | Add P,INDC(FR)-28,66,1978 as an alias of P,NEANDC(E)-194,66,1978. |
| 21684 | REFERENCE | Add P,INDC(NEA)-2,53,1979 as an alias of P,NEANDC(E)-209,53,1979. |
| 21688 | REFERENCE | R,INDC(TUR)-4/L,198005 →R,INDC(TUK)-4,1980 |
| 21691 | REFERENCE | Add P,INDC(GER)-22,64,1980 as an alias of P,NEANDC(E)-212,(5),64,1980. |
| 21740 | REFERENCE | P,EANDC(E)-115,6903 -> P,EANDC(E)-115,220,1968 |
| 21740 | TITLE | Must be "The 6Li/10B(n,a)-cross section ratio". |
| 21866 | REFERENCE | Add P,INDC(JAP)-70,5,1982 as an alias of P,NEANDC(J)-83,5,1982. |
| 21898 | REFERENCE | Add P,INDC(JAP)-81,1983 as an alias of P,NEANDC(J)-94,1983. |
| 21913 | REFERENCE | R,KFK-3652,1,1984 -> R,KFK-3652,1984 |
| 21937 | REFERENCE | Add P,INDC(GER)-27,6,1984 as an alias of P,NEANDC(E)-252,(5),6,1984. |
| 21939 | REFERENCE | Add P,INDC(GER)-27,38,1984 as an alias of P,NEANDC(E)-252,(5),38,1984. |
| 21946 | REFERENCE | Add P,INDC(JPN)-92,46,1984 as an alias of P,NEANDC(J)-106,46,1984. |
| 21954 | REFERENCE | Add P,INDC(GER)-27,46,1984 as an alias of P,NEANDC(E)-252,(5),46,1984. |
| 21956 | REFERENCE | Add P,INDC(JPN)-92,1,1984 as an alias of P,NEANDC(J)-106,1,1984. |
| 21987 | REFERENCE | Add P,INDC(GER)-28,5,1985 as an alias of P,NEANDC(E)-262,(5),5,1985. |
| 22008 | REFERENCE | Add P,INDC(GER)-29,5,1986 as an alias of P,NEANDC(E)-272,(5),5,1986. |
| 22010 | REFERENCE | Add P,INDC(GER)-29,10,1986 as an alias of P,NEANDC(E)-272,(5),10,1986. |
| 22016 | REFERENCE | Add P,INDC(GER)-29,33,1986 as an alias of P,NEANDC(E)-272,(5),33,1986. |
| 22017 | REFERENCE | Add P,INDC(GER)-29,36,1986 as an alias of P,NEANDC(E)-272,(5),36,1986. |
| 22018 | REFERENCE | C,86DUBROV,,8605 -> C,86DUBROV,,275,1986 |
| 22154 | REFERENCE | Add P,INDC(JPN)-127,42,1989 as an alias of P,NEANDC(J)-140,42,1989. |
| 22189 | REFERENCE | Add P,INDC(JPN)-142,95,1990 as an alias of P,NEANDC(J)-155,95,1990. |
| 22191 | REFERENCE | Add P,INDC(JPN)-142,11,1990 as an alias of P,NEANDC(J)-155,11,1990. |
| 22196 | REFERENCE | Add P,INDC(JPN)-142,59,1990 as an alias of P,NEANDC(J)-155,59,1990. |
| 22197 | REFERENCE | Add P,INDC(JPN)-142,20,1990 as an alias of P,NEANDC(J)-155,20,1990. |
| 22587 | REFERENCE | R,AEEW-R-163,17,1962 -> R,AEEW-R-163,1962 (Check if all EXFORable data in the report are compiled in this entry.) |
| 22601 | REFERENCE | Add P,INDC(GER)-19,61,1977 as an alias of P,NEANDC(E)-182,(5),61,1977. |
| 22604 | REFERENCE | Add P,INDC(EUR)-9,15,1976 as an alias of P,NEANDC(E)-172,(3),15,1976. |
| 22616 | REFERENCE | Add T,CAO,1962 (Dr. thesis presented to Uni. Bordeaux) as an alias of R,NP-14297,1962. |
| 22622 | REFERENCE | Add P,INDC(GER)-24,51,1982 as an alias of P,NEANDC(E)-232,(5),51,1982. |
| 22624 | REFERENCE | Add P,INDC(JPN)-102,1985 as an alias of P,NEANDC(J)-116,1985. |
| 22627 | REFERENCE | Add P,INDC(GER)-28,32,1985 as an alias of P,NEANDC(E)-262,(5),32,1985. |
| 23109 | REFERENCE | R,KFK-1456,45,1971 -> P,KFK-1456,51,1971 |
| 23109 | TITLE | Must be "Project Actinide: Cross section" (for examle). |
| 23109 | AUTHOR | Must be "S.H.Eberle,H.J.Bleyl,E.Gantner,J.Reinhardt,C.Krueckeberg". |
| 23343 | REFERENCE | P,MAINZ-76,10,1977 -> P,MAINZ-1976,10,1977 |
| 23345 | REFERENCE | P,MAINZ-78,27,1979 -> P,MAINZ-1978,27,1979 |
| 23584 | REFERENCE | PAN: page: 1152 -> 1077; YF: page: 1077 -> 1952 |
| 30290 | REFERENCE | P,INDC(SEC)-60,108,1976 -> P,INDC(SEC)-50,108,1976 |
| 32647 | REFERENCE | CNDP: page: 4 -> 221 |
| 40038 | REFERENCE | R,INDC(CCP)-013,12,1965 -> P,INDSWG-120,12,1965 |
| 40142 | REFERENCE | R,INDC(CCP)-34,23,1973 -> R,INDC(CCP)-32,23,1973 |
| 40279 | REFERENCE | R,INDC(CCP)-18,37,1975 -> R,INDC(CCP)-49,37,1975 |
| 40621 | REFERENCE | C,81GRENOB,,,81 -> C,81GRENOB,,518,1981 |
| 40802 | REFERENCE | Add B,SNR,,99,1966 (Eng.trans. of J,LEB,33,123,1965) |
| 40936 | REFERENCE | Add J,SNP,45,761,1987 (Eng.trans of J,YF,45,1226,1987) |
| 41274 | REFERENCE | P,INDSWG-120,23,1965 -> P,INDSWG-120,22,1965 |
| 41459 | REFERENCE | J,BAS,61,(11),1638,1977 -> J,BAS,61,1638,1997 |
| A0345 | REFERENCE | R,IPNO-PHN-78-27,1,1978 -> R,IPNO-PHN-78-27,1978 |
| A0478 | REFERENCE | Add P,INDC(GER)-35/LN,46,1990 as an alias of P,NEANDC(E)-312,46,1990. |
| A0479 | REFERENCE | Add P,INDC(GER)-35/LN,51,1990 as an alias of P,NEANDC(E)-312,51,1990. |
| A1353 | REFERENCE | R,CEA-R-3392,1,1968 -> R,CEA-R-3392,1968 |
| A1439 | REFERENCE | R,CEA-R-4270,185,198604 -> R,CEA-R-4270,1986 (Check if all EXFORable data in the report are compiled in this entry.) |
| C0210 | REFERENCE | R,KFK-3779,11,1984 -> R,KFK-3779,1984 |
| C1267 | REFERENCE | Add T,STERNS,1962 (PhD thesis submitted to Columbia Univ.) as an alias of R,CU-34-63,1962. |
| C1267 | TITLE | Must be Comparison of reactions of copper-63 compound nuclei formed by alpha-particle, proton, and carbon-ion bombardments". |
| C1518 | REFERENCE | R,LA-UR-98-4867,1,1998 -> R,LA-UR-98-4867,1998 |
| D0526 | REFERENCE | P,INDC(NDS)-0554,1,2009 -> R,INDC(NDS)-0554,,2009. Add Fig.2 dataset. |
| D4133 | REFERENCE | C,97TRIEST,,1647,1997 -> C,97TRIEST,,1646,1997 |
| E2153 | REFERENCE | RI: page: 314 -> 315 |
| F0069 | REFERENCE | R,ATOMKI-AR-88,41,1989 -> P,ATOMKI-AR-1988,41,1989 |
| F0463 | REFERENCE | Add T,ADAIR,196812 (Master thesis presented to Univ. of Tenesee) as an alias of R,ORNL-4339,1969. |
| F0610 | REFERENCE | SAJ -> SAP |
| F1011 | AUTHOR | 1st author: M.A.Abuzeid -> M.A.Abudzei |
| M0065 | REFERENCE | UFZ: Vol. 10 -> 27 |
| O0267 | REFERENCE | BAS: page: 152 -> 153 |
| O0268 | REFERENCE | BAS: page: 00 -> 75 |
| S0169 | REFERENCE | PHE:year: 1983 -> 1995 |
| V0027 | REFERENCE | C,81NEUHERBG,,(III-1),198106 -> C,81NEUHERBG,,341,1981 |
| V0028 | REFERENCE | C,81NEUHERBG,,(III-1),198106 -> C,81NEUHERBG,,341,1981 |

**2.1 Items not registered in Feedback List - Unnecessary issue #**

|  |  |
| --- | --- |
| **Entry** | **Reference code** |
| 30667 | J,CNP,4,(2),145,1982 |
| 30685 | J,CNP,6,(2),174,1984 |
| 30686 | J,CNP,6,(1),80,1984 |
| 30687 | J,CNP,6,(1),76,1984 |
| 30688 | J,CNP,6,(1),84,1984 |
| 30689 | J,CNP,6,(1),23,1984 |
| 30690 | J,CNP,6,(1),9,1984 |
| 30714 | J,CNP,6,(2),174,1984 |
| 30993 | J,CNP,15,(4),341,1993 |
| 31401 | J,CNP,12,(3),269,1990 |
| 31406 | J,CNP,13,(3),203,1991 |
| 31407 | J,CNP,12,(4),373,1990 |
| 31408 | J,CNP,13,(1),11,1991 |
| 31409 | J,CNP,12,(4),289,1990 |
| 31421 | J,CNP,14,(3),244,1992 |
| 31428 | J,CNP,13,(2),97,1991 |
| 31430 | J,CNP,16,(3),270,1994 |
| 31433 | J,CNP,16,(1),59,1994 |
| 31443 | J,CNP,16,(3),255,1994 |
| 31446 | J,CNP,17,(1),45,1995 |
| 31451 | J,CNP,16,(3),267,1994 |
| 31453 | J,CNP,16,(4),344,1994 |
| 31454 | J,CNP,17,(3),268,1995 |
| 31463 | J,CNP,17,(2),167,1995 |
| 31482 | J,CNP,19,(2),110,1997 |
| 31486 | J,CNP,17,(2),171,1995 |
| 32536 | J,CNP,12,(3),261,1990 |
| 32541 | J,CNP,12,(1),89,1990 |
| 32580 | J,CNP,14,(3),234,1992 |
| 32581 | J,CNP,15,(4),367,1993 |
| 32582 | J,CNP,17,(1),43,1995 |
| 32595 | J,CNP,14,(4),326,1992 |
| 32600 | J,CNP,14,(4),331,1992 |
| 32601 | J,CNP,14,(3),239,1992 |
| 32602 | J,CNP,14,(1),15,1992 |
| 32603 | J,CNP,13,(4),343,1991 |
| 32615 | J,CNP,15,(1),71,1993 |
| 32618 | J,CNP,6,(4),373,1984 |
| 40707 | J,DOK,111,(2),331,1956 |
| 40708 | J,DOK,111,(4),791,1956 |
| 40961 | J,YF,48,(1),20,1988 |
| 41030 | J,YF,47,(3),622,198803 |
| 41385 | J,AE,53,(3),194,198209 |
| A0103 | J,YF,45,(3),614,1987 |
| A1231 | J,IZV,28,(7),1124,196402 |
| A1301 | J,YF,48,(3),629,1988 |
| F1029 | J,IZV,32,(4),614,1968 |
| F1285 | J,YF,47,(3),616,1988 |
| M0154 | J,YF,44,(3),561,1986 |
| S0019 | J,CNP,12,(1),55,1990 |
| S0022 | J,CNP,12,(3),253,1990 |
| S0039 | J,CNP,14,(4),309,1992 |
| S0041 | J,CNP,15,(4),337,1993 |
| S0042 | J,CNP,16,(1),67,1994 |
| S0043 | J,CNP,17,(2),160,1995 |
| S0044 | J,CNP,17,(2),163,1995 |
| V0041 | J,CNP,6,(1),76,1984 |
| 40211 | R,YK-12,(1),61,1973 |

**2.2 Items not registered in Feedback List - Unnecessary paper #**

|  |  |
| --- | --- |
| **Entry** | **Reference code** |
| 13362 | B,RCS,2,1195(184),1951 |
| 13363 | B,RCS,2,598(62),1951 |
| 13364 | B,RCS,2,654(71),1951 |
| 13365 | B,RCS,2,793(103),1951 |
| 13394 | B,RCS,2,1184(180),1951 |
| 13399 | B,RCS,2,596(61),1951 |
| 13406 | B,RCS,2,1035(147),1951 |
| 13407 | B,RCS,2,980(137),1951 |
| 13408 | B,RCS,2,1097(161),1951 |
| 13409 | B,RCS,2,934(133),1951 |
| 13410 | B,RCS,2,891(125),1951 |
| 13411 | B,RCS,2,898(127),1951 |
| 13412 | B,RCS,2,905(128),1951 |
| 13413 | B,RCS,2,860(119),1951 |
| 13415 | B,RCS,2,549(53),1951 |
| 13416 | B,RCS,2,947(134),1951 |
| 13419 | B,RCS,2,1139(170),1951 |
| 13420 | B,RCS,2,808(105),1951 |
| 13421 | B,RCS,2,856(118),1951 |
| 13422 | B,RCS,2,1284(196),1951 |
| 13423 | B,RCS,2,1292(197),1951 |
| 13424 | B,RCS,2,1302(198),1951 |

**2.3 Items not registered in Feedback List – Unnecessary distribution code**

|  |  |
| --- | --- |
| **Entry** | **Reference** |
| 21517 | R,EANDC(E)-89U,46,6802 |
| 30275 | R,ZFK-277(U),1975 |

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