**Nuclear Data Section**

**International Atomic Energy Agency**

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

**Memo CP-D/937**

**Date:** 27 June 2017

**To:** Distribution

**From:** V. Semkova, N. Otsuka

**Subject: Proton-induced reaction articles in NSR/CINDA but not in EXFOR**

**Reference:** WP2017-17

The articles missing in EXFOR and summarized in WP2017-17 were further analysed, and we concluded that the following articles are for revision of existing entries or for creation of new EXFOR entries.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Author** | **Reference** | **Quant.** | **Lab** | **Remark** |
| N.E.Davison+ | J,PR/C,10,50,1974 | CS | 1CANMNA |  |
| K.Ramavataram+ | J,PR/C,10,632,1974 | DAP | 1CANCRC | CURVE |
| D.S.Armstrong+ | J,NP/A,441,397,1985 | CS | 1CANKQU |  |
| C.W.Cheng+ | J,JP/G,5,1261,1979 | CS | 1CANMCM | Supersedes B0140. |
| H.P.Trautvetter+ | J,NP/A,242,519,1975 | CS | 1CANMCM |  |
| S.Gales+ | J,NP/A,202,535,1973 | DA | 1CANMON |  |
| L.Lessard+ | J,PR/C,6,517,1972 | DAP | 1CANMON |  |
| A.R.Junghans | J,NP/BS,138,112,2005 | CS | 1CANTMF | add ref. of C1004 (prelim. data gvn.) |
| R.G.Korteling+ | J,PR/C,41,2571,1990 | DAE | 1CANTMF | add.ref. of C0763 (same data gvn.) |
| C.P.Poirier+ | J,PR/C,1,1982,1970 | DA | 1USAARL |  |
| E.Lebowitz+ | J,ARI,22,789,1971 | CS | 1USABNL | 157Tb should read 159Tb in the text. |
| L.F.Mausner+ | J,ARI,49,285,1998 | CS | 1USABNL |  |
| K.T.Lesko+ | J,PR/C,37,1808,1988 | CSP | 1USABRK | γ production |
| C.Wong+ | J,PR/C,3,1904,1971 | DAP/ANA | 1USABRK |  |
| C.Rolfs+ | J,NP/A,250,295,1975 | CSP | 1USACAL | upper limit |
| L.B.Church | J,JIN,33,909,1971 | CS | 1USACAR | isomeric ratio, similar work in O0121 |
| S.N.Bunker+ | J,NP/A,163,378,1971 | DA | 1USACLA |  |
| A.B.Holman+ | J,NP/A,174,161,1971 | DA | 1USACLA  1USADAV |  |
| G.A.Keyworth+ | J,NP,89,590,1966 | DA | 1USADKE |  |
| P.Richard+ | J,NP/A,174,273,1971 | DA | 1USAFSU |  |
| G.D.Gunn+ | J,NP/A,232,176,1974 | DAP | 1USAFSU |  |
| K.W.Kemper+ | J,PR/C,5,1257,1972 | DAP | 1USAFSU |  |
| C.A.Goulding+ | J,NP/A,331,29,1979 | DAP | 1USAINU | Similar work in C0583 |
| H.R.Weller+ | J,PR/C,25,2921,1982 | DAP | 1USAINU  1USATNL |  |
| S.Y.van der Werf+ | J,PL/B,166,372,1986 | DAP/ANA | 1USAINU |  |
| J.Rapaport+ | J,PRL,54,2325,1985 | DAE | 1USAINU |  |
| D.Krofcheck+ | J,PRL,55,1051,1985 | DAE | 1USAINU |  |
| J.J.Egan+ | J,PR/C,5,1562,1972 | DA | 1USAKTY |  |
| E.B.Norman+ | J,NP/BS,143,508,2005 | CS | 1USALAS  1USABRK |  |
| H.C.Britt+ | J,PR/C,6,1090,1972 | CS | 1USALAS | isomer – fission ratio |
| C.J.Orth+ | J,PR/C,8,2364,1973 | CS | 1USALAS |  |
| S.M.Grimes+ | J,PR/C,31,1679,1985 | DAP | 1USALRL |  |
| R.Klem+ | J,PL/B,70,155,1977 | DA | 1USAANL |  |
| F.L.Lang+ | J,PR/C,35,1214,1987 | CSP | 1USAMRD | γ production |
| L.M.Panggabean+ | J,PR/C,10,1605,1974 | DA | 1USAMSU |  |
| D.Mueller+ | J,PR/C,12,51,1975 | DAP | 1USAMSU |  |
| L.E.Samuelson+ | J,PR/C,7,2379,1973 | CS | 1USAMSU | DERIVed – (p,n) cross section from γ detect. |
| H.Nann+ | J,PRL,37,1129,1976 | DAP | 1USAMSU |  |
| H.P.gen Schieck+ | J,NP/A,169,71,1971 | ANA | 1USANOT |  |
| J.D.Turner+ | J,PR/C,17,1853,1978 | DAP | 1USATNL |  |
| J.W.D.Sinclair+ | J,PR/C,8,1413,1973 | DAP | 1USAOSU |  |
| L.G.Mann+ | J,PR/C,39,2180,1989 | DAP | 1USAPTN |  |
| C.Fan+ | J,NP/A,100,168,1967 | CS | 1USARIC |  |
| L.C.Vaz+ | J,PR/C,5,463,1972 | DAE | 1USAROC |  |
| G.M.Temmer | J,PRL,26,1341,1971 | DAP | 1USARUT |  |
| F.Riess+ | J,NP/A,175,462,1971 | CSP | 1USASTF |  |
| S.S.Hanna+ | J,PL/B,40,631,1972 | ANA | 1USASTF |  |
| V.D.Mistry+ | J,PR/C,1,1595,1970 | DAP | 1USATEX |  |
| H.R.Hiddleston+ | J,PR/C,3,905,1971 | DA | 1USATEX |  |
| C.L.Hollas+ | J,PR/C,5,1641,1972 | DA | 1USATEX |  |
| J.D.Moses+ | J,NP/A,168,406,1971 | DA | 1USATNL |  |
| J.D.Moses+ | J,NP/A,175,556,1971 | DA | 1USATNL |  |
| D.A.Outlaw+ | J,NP/A,284,1,1977 | DA | 1USATNL |  |
| J.C.Blackmon+ | J,PRL,74,2642,1995 | RP | 1USATNL |  |
| S.Graff+ | J,NP/A,510,346,1990 | RP | 1CANTOR,  1USACAL |  |
| A.M.Sourkes+ | J,PL/B,51,232,1974 | CS | 1CANMNA | add. ref. of A1261 |
| C.E.Laird+ | J,PR/C,35,1265,1987 | DA | 1USAKTY |  |
| W.M.Gibson+ | J,PRL,29,74,1972 | DAP | 1USARUT |  |
| C.Rudy+ | J,JIN,30,365,1968 | CS | 1USAWAU | isomeric ratio |
| D.L.Oberg+ | J,PR/C,11,410,1975 | CS,DAP | 1USAWAU |  |
| J.G.Cramer+ | J,PR/C,6,366,1972 | DA, ANA | 1USAWAU |  |
| S.Sen+ | J,PR/C,25,1054,1982 | DA | 1USAWIS |  |
| S.W.Wissink+ | J,PR/C,37,2289,1988 | ANA | 1USAWIS |  |
| T.R.Wang+ | J,PR/C,37,2301,1988 | ANA | 1USAWIS |  |
| F.Alves+ | J,ARI,52,899,2000 | CS | 2DENCOP |  |
| R.G.Lanier+ | J,PR/C,42,R479,1990 | CS | 2FR BRC | add. ref. of A0433 |
| C.Stan-Sion+ | J,NIM/B,117,26,1996 | CS | 2GERMUE,  2SWTPSI,  4RUSLIN |  |
| F.E.Cecil+ | J,NP/A,232,22,1974 | DA | 1USAPTN |  |
| M.Garcon+ | J,NP/A,445,669,1985 | DA | 2FR SAT |  |
| B.M.K.Nefkens+ | J,PRL,45,168,1980 | DA | 2FR SAT |  |
| M.Jung+ | J,PR/C,7,2209,1973 | CS | 2FR PAR |  |
| F.Terrasi+ | J,NP/A,394,405,1983 | DA | 2GERBOC |  |
| J.D.Anderson+ | J,PR/C,41,1993,1990 | DAP | 2GERHAM |  |
| S.Harissopulos+ | J,NP/A,688,421c,2001 | CS | 2GERIFS | add. ref. of O1054 (88Sr)  89Y not compiled |
| S.Harissopulos+ | J,NP/A,719,115c,2003 | CS | 2GERIFS | O2330002(103Rh)  O0918003(93Nb)86Sr not compiled  80Se(prelim data) not compiled |
| K.R.Nyga+ | J,NP/A,501,513,1989 | DA | 2GERKLN |  |
| H.Dombrowski+ | J,NP/A,619,97,1997 | DA | 2GERMST |  |
| C.Gaarde+ | J,PL,22,466,1966 | DA | 2DENNBI |  |
| W.Kretschmer+ | J,PRL,27,1294,1971 | DA, RP | 2GERUEN |  |
| H.Clement+ | J,PRL,27,526,1971 | DA | 2GERUEN |  |
| F.Terrasi+ | J,NP/A,324,1,1979 | DAP | 2ILYNAP |  |
| M.Anghinolfi+ | J,NP/A,410,173,1983 | DAP | 2ITYMIL |  |
| F.Pellegrini+ | J,PR/C,26,441,1982 | DA, DAP | 2ITYMIL |  |
| M.Anghinolfi+ | J,PR/C,28,1005,1983 | DAP | 2ITYMIL |  |
| A.Barbadoro+ | J,PR/C,38,517,1988 | DAP | 2ITYPAD |  |
| T.Ishikawa+ | J,NP/A,687,58c,2001 | DAE | 2JPNOSA |  |
| M.Imamura+ | J,NIM/B,123,330,1997 | CS | 2JPNTOK |  |
| A.C.Wolff+ | J,NP/A,124,273,1969 | RP | 2NEDUTR |  |
| Palsson | J,NP/A,345,221,1980 | CS | 2SWDTLU,  2DENNBI,  1CANCRC |  |
| S.Kistryn+ | J,PL/B,219,58,1989 | ANA | 2SWTPSI |  |
| J.C.Thompson+ | J,NP,89,209,1966 | DA | 2UK LVP |  |
| S.H.Chew+ | J,NP/A,229,241,1974 | DAP | 2UK OXF |  |
| S.B.Solomon+ | J,NP/A,312,140,1978 | CS | 3AULAML |  |
| M.R.Anderson+ | J,NP/A,373,326,1982 | RP | 3AULAML |  |
| P.Bem+ | J,NP/A,96,529,1967 | DA | 3CZRUJF |  |
| A.Tumino+ | J,PRL,98,252502,2007 | CS | 3HUNDEB | add. ref. of D4208. Add SF8=MSC (“HOES cross section”) |
| S.Soheyli | J,CPL,24,1525,2007 | CS | 3IRNKRJ | Supersede O1269.004? |
| J.Zioni+ | J,NP/A,173,92,1971 | DA | 3ISLHEB |  |
| I.Bondouk+ | J,PL/B,59,27,1975 | DA | 3RUMBUC | for revision of F0950.005 (additional digitization required) |
| O.G.Grebenjuk+ | J,NP/A,500,637,1989 | DA | 4RUSLIN | for revision of O1276 (additional digitization required) |
| G.I.Krupnyi+ | J,AE/T,89,939,2000=  J,AE,89,418,2000 | CS | 4RUSFVE |  |
| A.I.Chtchetkovski+ | J,PS,T104,101,2003 | CS | 4RUSLIN | Add ref. of O1447 |
| A.Dygo+ | J,NP/A,378,293,1982 | CSP | 4ZZZDUB |  |

**Distribution:**

a.koning@iaea.org

abhihere@gmail.com

aloks279@gmail.com

cgc@ciae.ac.cn

dbrown@bnl.gov

draj@barc.gov.in

dvoytenkov@ippe.ru

ebata@nucl.sci.hokudai.ac.jp

fukahori.tokio@jaea.go.jp

ganesan555@gmail.com

gezg@ciae.ac.cn

iwamoto.osamu@jaea.go.jp

j.c.sublet@iaea.org

jhchang@kaeri.re.kr

jmwang@ciae.ac.cn

kaltchenko@kinr.kiev.ua

jim.gulliford@oecd.org

manuel.bossant@oecd.org

marema08@gmail.com

masaaki@nucl.sci.hokudai.ac.jp

mmarina@ippe.ru

mwherman@bnl.gov

nicolas.soppera@oecd.org

n.otsuka@iaea.org

nrdc@jcprg.org

nurzat.kenzhebaev@gmail.com

ogritzay@kinr.kiev.ua

oscar.cabellos@oecd.org

otto.schwerer@aon.at

pikulina@expd.vniief.ru

pritychenko@bnl.gov

samaev@obninsk.ru

sbabykina@yandex.ru

scyang@kaeri.re.kr

selyankina@expd.vniief.ru

sonzogni@bnl.gov

stakacs@atomki.hu

stanislav.hlavac@savba.sk

s.a.dunaeva@yandex.ru

sv.dunaeva@gmail.com

taova@expd.vniief.ru

tarkanyi@atomki.hu

vvvarlamov@gmail.com

v.semkova@iaea.org

v.zerkin@iaea.org

yolee@kaeri.re.kr

zholdybayev@inp.kz

zhuangyx@ciae.ac.cn