**Nuclear Data Section**

**International Atomic Energy Agency**

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

**Memo 4C-3/410**

**Date:** 8 June 2017

**To:** Distribution

**From:** N. Otsuka

**Subject: Pn values adopted in Rudstam’s review (1979) and missing in EXFOR**

Various articles reporting delayed neutron multiplicities and probabilities are cited in C. Rudstam’s review published in “Proceedings of the Consultants’ Meeting on Delayed Neutron Properties, Vienna, 26-30 March 1979” INDC(NDS)-107 p69.

* 1 article for NNDC
* 21 articles for NEA DB,
* 1 article for NDS
* 1 article for CJD.

Please check each article and inform Valentina if they are for compilation by your centres (with entry numbers of the articles for compilation).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ref** | **Author** | **Reference** | **Lab.** | **EXFOR** | **Remark** |
| 7 | E.Lund+ | J,ZP/A,294,233,1980 | 2SWDSWR |  |  |
| 7a | K.Aleklett+ | J,ZP/A,295,331,1980 | 2SWDSWR |  |  |
| 8 | J.V.Kratz+ | J,JIN,35,1407,1973 | 2GERMNZ | 20521 | Pn values must be added. |
| 9 | R.B.Strittmatter | T,STRITTMATTER,1978 | ? |  | Article not available at NDS. |
| 10 | L.Tomlinson+ | J,JIN,30,1649,1968 | 2UK HAR |  |  |
| 10a | L.Tomlinson+ | J,JIN,30,1995,1968 | 2UK HAR |  |  |
| 10b | L.Tomlinson+ | J,JIN,30,1125,1968 | 2UK HAR |  |  |
| 11 | J.Crancon+ | J,ZP/A,287,45,1978 | 2FR ILL |  |  |
| 12 | J.V.Kratz+ | J,JIN,32,3713,1970 | 2GERMNZ | 22047 | Pn values must be added. |
| 13 | P.del Marmol+ | J,JIN,32,705,1970 | 2BLGMOL |  |  |
| 14 | L.Tomlinson+ | J,JIN,33,3609,1971 | 2UK HAR |  |  |
| 15 | M.Asghar+ | J,NP/A,247,359,1975 | 2FR ILL |  |  |
| 16 | P.M.Aron+ | J,SJA,16,447,1964 | 4RUSRI? | 41617 | Under compilation |
| 17 | P.del Marmol+ | J,RCA,16,4,1971 | 2BLGMOL |  |  |
| 18 | H.D.Schuessler+ | J,RCA,18,123,1972 | 2GERMNZ |  |  |
| 19 | P.L.Reeder+ | J,PR/C,15,2108,1977 | 1USABNW |  |  |
| 20 | K.L.Kratz+ | J,RCA,25,1,1978 | 2GERMNZ | 21058 | Pn values must be added. |
| 20a | K.L.Kratz+ | J,NP/A,229,179,1974 | 2GERMNZ |  |  |
| 21 | M.Asghar+ | J,JIN,37,1563,1975 | 2FR ILL |  |  |
| 22 | S.Amiel+ | C,67VIENNA,,115,1967 | 3ISLSOR |  |  |
| 23 | I.Amarel+ | J,JIN,31,577,1969 | 2FR PAR |  |  |
| 24 | E.Roeckl+ | J,NP/A,222,621,1974 | 2BLGLVN |  |  |
| 25 | C.Engler | J,NP/A,367,29,1981 | 3ISLSOR | 30448 |  |
| 26 | P.Peuser+ | J,ZP/A,289,219,1979 | 2GERMNZ | 21581 | Pn values must be added. |
| 27 | W.Rudolph+ | J,JIN,39,753,1977 | 2GERMNZ | 20879 | Pn values must be added. |
| 28 | H.D.Schuessler+ | C,69VIENNA,,591,1969 | 2GERMNZ |  |  |

**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