**Nuclear Data Section**

**International Atomic Energy Agency**

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**Memo CP-D/945**

**Date:** 29 December2017

**To:** Distribution

**From:** N. Otsuka

**Subject:** **Dictionary transmission 9117 and Season’s Greetings**

* Dictionary transmission 9117 is available in three formats (Trans, Archive and Backup) from the following place:

<http://www-nds.iaea.org/nrdc/ndsx4/trans/dicts/>.

These dictionaries in zipped form are also available:

<http://www-nds.iaea.org/exfor-master/backup/?C=M;O=D>.

* All memos submitted no later than 27 November (for dictionary 1, 2, 4, 16, 24-25, 30-35, 37, 236) or 27 December (for other dictionaries) are considered in this update.
* Nicolas Soppera reviewed the new dictionaries, and the new dictionaries were finalized as per his comments. He reports that JANIS detects 3 uses of quantities (SF5-SF8), data headings and data units undefined in dictionary 24, 25 and 236 on the latest EXFOR Master (Ver.2017-12-22) with this new dictionary. (It was detecting 36 such error messages with the previous dictionary.).
* The expansions of the accelerator drive neutron source codes were systematically updated:

|  |  |  |
| --- | --- | --- |
| **Code** | **Old expansion** | **New expansion** |
| D-BE | Deuteron-Beryllium | 9Be(d,n) |
| D-C12 | Deuteron-Carbon 12 | 12C(d,n) |
| D-C14 | Deuteron-Carbon 14 | 14C(d,n) |
| D-D | Deuteron-Deuterium | 2H(d,n) |
| D-LI | Deuteron-Lithium | Li(d,n) |
| D-LI7 | Deuteron-Lithium 7 | 7Li(d,n) |
| D-N14 | Deuteron-Nitrogen 14 | 14N(d,n) |
| D-N15 | Deuteron-Nitrogen 15 | 15N(d,n) |
| D-T | Deuteron-Tritium | 3H(d,n) |
| P-BE | Proton-Beryllium | 9Be(p,n) |
| P-D | Proton-Deuterium | 2H(p,n) |
| P-LI7 | Proton-Lithium 7 | 7Li(p,n) |
| P-N15 | Proton-Nitrogen 15 | 15N(p,n) |
| P-T | Proton-Tritium | 3H(p,n) |

* Additional changes introduced in this memo

**Dictionary 3 (Institutes)**

3IRNSTI Nucl. Sci. and Technol. Research Inst., AEOI, Tehran

4RUSMOS (“Nuclear Physics Inst.” deleted from the expansion)

**Dictionary 5 (Journals)**

JP/C (*Extinct*)

JP/CM Journal of Physics, Condense Matter

**Dictionary 19 (Incident sources)**

B11-H 1H(11B,n)

**Dictionary 24 (Data headings)**

MASS-ERR-D (Family flag J deleted.)

**Dictionary 209 (Compounds)**

38-SR-OXI Strontium oxide

**Dictionary 213 (Reaction types)**

GZP Partial yield for specific half-life group

All changes are summarized below. “Status” gives alteration flags and status codes defined in EXFOR/CINDA Dictionary Manual.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Dict.** | **Status** | **Code** | **Expansion** | **Remark\*** |
| 003 | SOBS | 2GERIFS | Inst.fuer Strahlenphysik, Stuttgart | CP-D/939 |
| 003 | DOBS | 2GERIKE | Inst.fuer Kernenergetik,Stuttgart Univ. | CP-D/939 |
| 003 | MTRA | 2GERMUN | Technische Universitaet Muenchen | Editorial |
| 003 | MTRA | 2JPNJAE | Japan Atomic Energy Agency (JAEA) | Editorial |
| 003 | SOBS | 2PRTFNL | Centro de Fisica Nuclear, Lisboa | CP-D/939 |
| 003 | SEXT | 2PRTLFE | Instituto Tecnologico e Nuclear, Sacavem | CP-D/939 |
| 003 | MTRA | 2UK NIN | Rutherford Appleton Laboratory, Chilton, England | Editorial |
| 003 | MTRA | 3IRNNRT | Nuclear Research Centre (NRC), AEOI, Tehran | Editorial |
| 003 | ATRA | 3IRNSTI | Nucl. Sci. and Technol. Research Inst., AEOI, Tehran | This memo |
| 003 | MTRA | 4RUSMOS | Moscow State Univ., Moscow | This memo |
| 005 | MTRA | CST | Atomic Energy Science and Technology | Editorial |
| 005 | SEXT | JP/C | Jour. of Physics, Part C (Solid State Physics) | This memo |
| 005 | ATRA | JP/CM | Jour. of Physics, Condense Matter | This memo |
| 005 | MEXT | UPJ | Ukrainian Physics Journal | Editorial |
| 007 | ATRA | 77PALOALTO | 2nd Symposium on Reactor Dosimetry, Palo Alto 1977 | CP-C/459 |
| 007 | ATRA | 94PARIS | Specialists' Meet.Intermed.Ene.Nucl.Data, Paris, 1994 | CP-F/014 |
| 019 | ATRA | B11-H | 1H(11B,n) | This memo |
| 019 | MTRA | D-BE | 9Be(d,n) | This memo |
| 019 | MTRA | D-C12 | 12C(d,n) | This memo |
| 019 | MTRA | D-C14 | 14C(d,n) | This memo |
| 019 | MTRA | D-D | 2H(d,n) | This memo |
| 019 | MTRA | D-LI | Li(d,n) | This memo |
| 019 | MTRA | D-LI7 | 7Li(d,n) | This memo |
| 019 | MTRA | D-N14 | 14N(d,n) | This memo |
| 019 | MTRA | D-N15 | 15N(d,n) | This memo |
| 019 | MTRA | D-T | 3H(d,n) | This memo |
| 019 | MTRA | P-BE | 9Be(p,n) | This memo |
| 019 | MTRA | P-D | 2H(p,n) | This memo |
| 019 | MTRA | P-LI7 | 7Li(p,n) | This memo |
| 019 | MTRA | P-N15 | 15N(p,n) | This memo |
| 019 | MTRA | P-T | 3H(p,n) | This memo |
| 023 | SOBS | WSP | Woods-Saxon potential | CP-D/940 |
| 024 | ATRA | +MASS-ERR | + Unsymmetric uncertainty in atomic mass | CP-C/460 |
| 024 | ATRA | -MASS-ERR | - Unsymmetric uncertainty in atomic mass | CP-C/460 |
| 024 | MTRA | MASS-ERR-D | Digitizing error in atomic mass of nuclide | This memo |
| 025 | ATRA | B/MEVA | barns per (MeV/A) | CP-N/141 |
| 025 | ATRA | KBQ/MUA | kilo-Becquerel/micro-Ampere | CP-D/936 |
| 031 | ATRA | ISP | Partial with respect to level of intermediate products | CP-C/457 |
| 034 | ATRA | TTA | Thin target approximation | CP-D/934 |
| 207 | ATRA | NAKAMURA | Handbook on secondary part. prod. and transport, 2006 | CP-C/458 |
| 209 | ATRA | 38-SR-OXI | Strontium oxide | This memo |
| 213 | ATRA | GZP | Partial yield for specific half-life group | This memo |
| 236 | ATRA | (M),TTY,,EOB | End-of-bombardment thick target yield, unc. if isom. trans. included | CP-D/936 |
| 236 | ATRA | ,MLT,\*,TT | Thick target multiplicity of particle specified | CP-D/943 |
| 236 | ATRA | DL/GRP/PAR,NU | Partial delayed neutron yield for given half-life group | 4C-3/413 |
| 236 | ATRA | ISP/PAR,SIG | Cross section, partial w.r.t.levels of final and intermediate products | CP-C/457 |
| 236 | ATRA | M+,TTY,,(PHY) | Thick/thin-target yield, incl.isomeric trans., uncertain if physical | CP-D/943 |
| 236 | MOBS | MAS,FY | Mass yield of fiss.fragm.as sum of ind.yields | Editorial |
| 236 | ATRA | PR/PAR,FY,G | Prompt fission gamma yield for specified fragment and gamma energy | CP-C/460 |

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