**Nuclear Data Section**

**International Atomic Energy Agency**

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

**Memo CP-D/1051**

**Date:** 29 June 2022

**To:** Distribution

**From:** N. Otsuka

**Subject: Dictionary transmission 9126**

Dictionary transmission 9126 is available in three formats (Trans, Archive and Backup) from the NDS open area: <http://nds.iaea.org/nrdc/ndsx4/trans/dicts/>. These dictionaries in zipped form (dicts-2022-06-29.zip) are also available: <http://nds.iaea.org/exfor-master/backup/?C=M;O=D>.

All memos submitted no later than 23 May (for dictionary 1, 2, 4, 16, 24-25, 30-35, 37, 236) or 23 June (for other dictionaries) are considered in this update. The conclusions of the NRDC 2022 meeting (Memo CP-D/1050) are also taken into account.

Additional changes introduced in this memo are summarized below:

**Dictionary 3 (Institutes)**

2GERDRE (Expansion updated from “Dresden, Techn. Univ.”)

3BWABWA Botswana

3HUNDEB (Expansion updated from “Inst. of Nuclear Research, ATOMKI, Debrecen”)

3HUNKOS (Expansion updated from “Inst. for Experimental Physics, Kossuth U., Debrecen”)

3SARDHA (Expansion updated from “Univ. of Petroleum and Minerals, Dhahran”)

4LITVLN Vilnius University, Vilnius

4RUSDBU Dubna State University, Dubna

**Dictionary 5 (Journals)**

APP/BS Acta Physica Polonica, Part B Proceeding Series

NP/BS Nuclear Physics B: Proceedings Supplements

**Dictionary 7 (Conferences)**

73KARLSR (*Obsolete*. Use KFK-2046.)

**Dictionary 236 (Quantities)**

PRE,MLT,G (*Obsolete.* PRE/PR/FRG,FY,G must be used. Used only in 14197.005)

TER/PAR,MLT.G/LCP (*Obsolete.* Used only in 33013.002 which will be deleted.)

All changes are summarized below. “Status” gives alteration flags and status codes defined in EXFOR/CINDA Dictionary Manual. These are also listed in the “EXCHANGE” file in the zipped file.

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| **Dict.** | **Status** | **Code** | **Expansion** | **Remark** |
| 003 | MTRA | 2GERDRE | Technische Universitaet Dresden, Dresden and Pirna | This memo |
| 003 | ATRA | 3BWABWA | Botswana | This memo |
| 003 | MTRA | 3HUNDEB | Institute for Nuclear Research (ATOMKI), Debrecen | This memo |
| 003 | MTRA | 3HUNKOS | University of Debrecen, Debrecen | This memo |
| 003 | MTRA | 3INDGUJ | Gauhati Univ., Jalukbari, Guwahati | Editorial |
| 003 | MTRA | 3SARDHA | King Fhad Univ. of Petroleum and Minerals, Dhahran | This memo |
| 003 | ATRA | 4LITVLN | Vilnius University, Vilnius | This memo |
| 003 | ATRA | 4RUSDBU | Dubna State University, Dubna | This memo |
| 005 | ATRA | APP/BS | Acta Physica Polonica, Part B Proceeding Series | This memo |
| 005 | MEXT | CPH | Chinese Physics | Editorial |
| 005 | SOBS | EPJ/AS | European Physical Journal A Supplement | CP-D/1050 |
| 005 | ATRA | EPJ/N | European Physical Journal N: Nucl.Sci.Technol. | 4C-4/0230 |
| 005 | AEXT | NP/BS | Nuclear Physics B: Proceedings Supplements | This memo |
| 005 | MTRA | UZHV | Naukovyi Visnyk Uzhgorods'kogo Univ., Ser.Fiz. | Editorial |
| 006 | ATRA | NASA-TM-X- | N.A.S.A. Technical Memo | CP-C/0493 |
| 006 | MTRA | YFI- | Yaderno-Fizicheskie Issledovaniya v SSSR | Editorial |
| 007 | SOBS | 73KARLSR | Capture Cross-Sections Panel, Karlsruhe 1973 | This memo |
| 016 | ATRA | ECSIL | Data converted from ECSIL library | CP-C/0495 |
| 016 | MTRA | NACRE | Data converted from NACRE files | Editorial |
| 024 | SOBS | ANG-AZ1 | Azimuthal angle | CP-D/1050 |
| 024 | SOBS | ANG-AZ2 | Azimuthal angle | CP-D/1050 |
| 024 | ATRA | E-EXC-MAXA | Approximate upper limit of excitation energy range | CP-D/1050 |
| 024 | ATRA | HL-MAX | Upper limit of half-life of nuclide specified. | CP-D/0494 |
| 024 | ATRA | HL-MIN | Lower limit of half-life of nuclide specified. | CP-D/0494 |
| 024 | ATRA | KT-DUM-NRM | Dummy spectrum temperature of reference | CP-N/0171 |
| 024 | SOBS | NUMBER-CM | Fitting coefficient number, for data in c.m. system | CP-D/1050 |
| 025 | MTRA | P/RC/MEVSR | particles/reaction/MeV/sr  | CP-D/1046 |
| 025 | MTRA | PC/REAC | particles/100 reactions | CP-D/1046 |
| 025 | MTRA | PRD/REAC | products/reaction  | CP-D/1046 |
| 025 | MTRA | PRT/RCT/SR | particles per reaction per sterad | CP-D/1046 |
| 025 | MTRA | PRT/REAC | particles/reaction | CP-D/1046 |
| 025 | MTRA | PT/RCT/MEV | particles per reaction per MeV | CP-D/1046 |
| 026 | AINT | MAE | products/angle/energy/reaction | CP-D/1046 |
| 026 | AINT | MDA | products/angle/reaction | CP-D/1046 |
| 026 | AINT | MDE | products/energy/reaction | CP-D/1046 |
| 026 | AINT | MLT | products/reaction | CP-D/1046 |
| 033 | ATRA | LI9 | Lithium 9 | CP-C/0496 |
| 033 | ATRA | NE20 | Neon 20 | CP-E/0166 |
| 033 | MTRA | DAM | Divided by atomic mass of the target nuclide | Editorial |
| 034 | ATRA | DMN | Divided by mass number of the target nuclide | CP-D/1050 |
| 034 | ATRA | EXL | Excitation to low-lying levels | CP-D/1050 |
| 213 | MTRA | DP | Diff.by linear momentum of outg.part. | Editorial |
| 213 | MTRA | DT | Diff.by 4-momentum transfer squared | Editorial |
| 236 | MTRA | ,MLT | Multiplicity of outgoing particle | CP-D/1046 |
| 236 | MTRA | ,MLT,\* | Multiplicity of particle specified | CP-D/1046 |
| 236 | MTRA | ,MLT,,RES | Multiplicity at resonance | CP-D/1046 |
| 236 | MTRA | ,MLT,G,RES | Average particle multiplicity at resonance | CP-D/1046 |
| 236 | MTRA | ,MLT/DA | Particle multiplicity d/dA | CP-D/1046 |
| 236 | MTRA | ,MLT/DA/DE | Particle multiplicity d2/dA/dE | CP-D/1046 |
| 236 | MTRA | ,MLT/DE | Particle multiplicity d/dE | CP-D/1046 |
| 236 | MTRA | ,PY | Product yield | CP-D/1046 |
| 236 | MTRA | ,PY/DA | Differential product yield d/dA | CP-D/1046 |
| 236 | MTRA | ,PY/DA/DE | Differential product yield d/dA/dE | CP-D/1046 |
| 236 | ATRA | ,SIG,,DAN | Cross section divided by atomic number | CP-D/1050 |
| 236 | MTRA | CUM,PY | Cumulative product yield | CP-D/1046 |
| 236 | ATRA | PAR,DA,\*,RS | Partial diff. cross section d/dA \* 4pi/Sigma of particle specified | 4C-4/0229 |
| 236 | MTRA | PAR,MLT | Partial multiplicity | CP-D/1046 |
| 236 | MTRA | PAR,MLT,\* | Partial multiplicity of particle specified | CP-D/1046 |
| 236 | MTRA | PAR,MLT,\*,RES | Partial multiplicity of part.spec. at resonance | CP-D/1046 |
| 236 | MTRA | PAR,MLT,,RES | Partial multiplicity at resonance | CP-D/1046 |
| 236 | MTRA | PAR,MLT/DA | Partial multiplicity d/dA | CP-D/1046 |
| 236 | MTRA | PAR,MLT/DA,\* | Partial multiplicity d/dA for particle specified | CP-D/1046 |
| 236 | MTRA | PAR,PY | Partial product yield | CP-D/1046 |
| 236 | MTRA | PAR,PY/DA | Partial diff.product yield d/dA | CP-D/1046 |
| 236 | ATRA | PRE,DA,FF,RSD | Angular distribution of primary fission fragment relative to 90 deg | CP-N/0170 |
| 236 | MTRA | PRE,DA,LF | Angular distribution of primary light fission fragment | Editorial |
| 236 | SOBS | PRE,MLT,G | Pre-neutron emisson fiss.gamma multiplicity | This memo |
| 236 | MTRA | PRE/PR,NU | Prompt neutron multiplicity for a given primary fragment | Editorial |
| 236 | ATRA | PRE/TER,AKE,\*F | Av. kin. energy of primary fission frag. specified from ternary fission | CP-D/1033 |
| 236 | ATRA | PRE/TER,AKE,LF+HF | Av. tot. kin. energy of primary fission fragments from ternary fission | CP-D/1033 |
| 236 | ATRA | SEC/PR,NU | Prompt neutron multiplicity for a given secondary fragment | CP-N/0170 |
| 236 | SOBS | TER/PAR,MLT,G/LCP | Gamma mult.,tern.fis.with light chg.part.eng.gvn | This memo |

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