**Nuclear Data Section**

**International Atomic Energy Agency**

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

**Memo CP-D/930**

**Date:** 28 April 2017

**To:** Distribution

**From:** N. Otsuka

**Subject:** **Dictionary transmission 9115**

* Dictionary transmission 9115 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 March (for dictionary 1, 2, 4, 16, 24-25, 30-35, 37, 236) or 27 April (for other dictionaries) are considered in this update.
* Nicolas Soppera reports that JANIS detects 2 uses of quantities (SF5-SF8), data headings and data units undefined in dictionary 24, 25 and 236 on the latest EXFOR Master (Ver.2017-04-03) with this new dictionary. (It was detecting 120 such error messages with the previous dictionary.). Both Nicolas Soppera and Viktor Zerkin report that an undefined quantity code M+,TTY,TM still remains in O0845.004-005. Their retransmissions with the right quantity code (M+,TTY/DEN,,PHY) have been requested on the EXFOR Feedback List.
* Regarding A67 from NRDC 2016, “Assess the entries listed in CP-D/880 Rev.=WP2016-29, and inform Otsuka by the end of 2016 if the quantity code ,RAD cannot be replaced with POT,RAD.”, I did not receive any comments on it. I made POT,RAD obsolete, and changed the expansion of ,RAD from “scattering radius” to “potential scattering radius”. (The parameter code RAD has been used only by these two parameter codes.)
* Additional changes introduced in this memo

**Dictionary 3 (Institutes)**

2AUSTHV (“Inst.f.Experimentelle Kernphysik” deleted from the expansion)

2ITYENN Universita degli Studi di Enna "Kore", Enna

3PAKQAU Quaid-i-Azam University, Islamabad

3POLITJ (Renamed from “Inst. Fiz. Tech. Jadr.”)

3POLSLS Univ. of Silesia, Katowice

3RUMBUC (“Horia Hulubei” added to the expansion)

**Dictionary 5 (Journals)**

KSO (*Obsolete*)

**Dictionary 6 (Reports)**

INDC(SPN)- Spanish report to the I.N.D.C.

**Dictionary 236 (Quantities)**

,WID,,RM/2G (Resonance flag added.)

PAR,DA,,LEG/RS0 (“90 deg” → “0 deg” in expansion)

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

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| --- | --- | --- | --- | --- |
| **Dict.** | **Status** | **Code** | **Expansion** | **Remark\*** |
| 003 | MTRA | 1USATTU | Tennessee Technological Univ., Cookeville, TN | Editorial |
| 003 | ATRA | 1USAURS | Ursinus College, Collegeville, PA | CP-C/449 |
| 003 | MTRA | 2AUSTHV | Technische Universitaet Wien, Vienna | This memo |
| 003 | ATRA | 2ITYENN | Universita degli Studi di Enna "Kore", Enna | This memo |
| 003 | MTRA | 2SPNAUT | Universidad Autonoma de Madrid, Madrid | Editorial |
| 003 | MTRA | 2SPNSAU | Universidad de Santiago de Compostela | Editorial |
| 003 | MTRA | 2SPNSEU | Universidad de Sevilla, Seville | Editorial |
| 003 | MTRA | 2SPNVAL | Universidad de Valencia, Valencia | Editorial |
| 003 | MTRA | 2SPNVLD | Universidad de Valladolid | Editorial |
| 003 | ATRA | 3PAKQAU | Quaid-i-Azam University, Islamabad | This memo |
| 003 | MTRA | 3POLITJ | AGH University of Science and Technology | This memo |
| 003 | ATRA | 3POLSLS | Univ. of Silesia, Katowice | This memo |
| 003 | MTRA | 3RUMBUC | Inst. de Fiz. si Ing. Nucl. Horia Hulubei, Bucharest | This memo |
| 005 | ATRA | ACSOM | ACS Omega | CP-D/919 |
| 005 | ATRA | EPJ/P | European Physical Journal Plus | CP-N/138 |
| 005 | ATRA | GEK | Geokhimiya | CP-F/013 |
| 005 | SEXT | KSO | Kratkie Soobscheniya OIYaI (JINR Rapid Commun.) | This memo |
| 005 | MTRA | NC/C | Nuovo Cimento C | Editorial |
| 006 | ATRA | INDC(SPN)- | Spanish report to the I.N.D.C. | This memo |
| 006 | ATRA | INL/EXT- | Idaho National Laboratory Reports | CP-C/450 |
| 007 | MTRA | 60BASEL | Conf.on Polariz.Phenom.in Nucl.React.,Basel 1960  | Editorial |
| 008 | ATRA | 113 | Nihonium | CP-D/918 |
| 008 | ATRA | 115 | Moscovium | CP-D/918 |
| 008 | ATRA | 117 | Tennessine | CP-D/918 |
| 008 | ATRA | 118 | Oganesson | CP-D/918 |
| 024 | MTRA | +EN-RSL-HW | + Unsymmetric energy resolution (HWHM) | Editorial |
| 024 | ATRA | +ERR-1 | + Unsymmetric 1st partial uncertainty, see ERR-ANALYS. | CP-D/916 |
| 024 | MTRA | -EN-RSL-HW | - Unsymmetric energy resolution (HWHM) | Editorial |
| 024 | ATRA | -ERR-1 | - Unsymmetric 1st partial uncertainty, see ERR-ANALYS. | CP-D/916 |
| 024 | ATRA | ANG-RSL-FW | Angular resolution (FWHM) | CP-N/139 |
| 024 | ATRA | ANG-RSL-HW | Angular resolution (HWHM) | CP-N/139 |
| 024 | MTRA | E-RSL-FW | Secondary energy resolution (FWHM) | Editorial |
| 024 | MTRA | EN-RSL-HW | Incident projectile energy resolution (HWHM) | Editorial |
| 024 | ATRA | ERR-16 | 16th partial uncertainty, defined under ERR-ANALYS | CP-N/138 |
| 025 | ATRA | B/SR/MEVA | barns/steradian/MeV/mass number | CP-N/137 |
| 236 | ATRA | (M),INT | Cross section integ.over inc.energy, uncert. if isomeric trans.included | CP-M/033 |
| 236 | ATRA | (M),TTY,,SAT | Saturation thick/thin-target yield, uncertain if isom. trans. included | CP-D/923 |
| 236 | ATRA | ,DA/DE,,LEG/RS | Legendre coefficients d2/dA/dE'=Sum(a(E',L)\*P(L)) | CP-N/140 |
| 236 | MTRA | ,RAD | Potential scattering radius | This memo |
| 236 | MTRA | ,WID,,RM/2G | 2g \* Reich-Moore resonance width | This memo |
| 236 | ATRA | CUM,TTY,,SAT | Saturated thick/thin target yield, cumulative | CP-D/923 |
| 236 | MTRA | PAR,DA,,LEG/RS0 | Leg.coef. fit to partial (d/dA)/(d/dA,0deg) | This memo |
| 236 | SOBS | POT,RAD | Potential scattering radius | This memo |
| 236 | ATRA | PR,FY,G | Prompt fis.gamma yields for fis.frag.specified | CP-C/451 |
| 236 | ATRA | PRV,FY | Provisional fission product yield | CP-D/921 |

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