**Nuclear Data Section**

**International Atomic Energy Agency**

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

**Memo CP-D/963**

**Date:** 28 June 2018

**To:** Distribution

**From:** N. Otsuka

**Subject:** **Dictionary transmission 9118**

* Dictionary transmission 9118 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 28 May (for dictionary 1, 2, 4, 16, 24-25, 30-35, 37, 236) or 26 June (for other dictionaries) are considered in this update.
* I found all quantity codes containing the parameter code COR are not in use except for EXFOR O0011 where ,DA/DA,FF/FF must replace ,COR,FF/FF. Therefore all codes including this parameter code were removed from the dictionary. Soppera applied these deletions, and confirmed that there is no use other than EXFOR O0011.
* Regarding the short expansion of the dictionary 236, I found DAN2X4 (a code generating the Trans dictionary from the Archive dictionary) copy only the first 48 characters in the Archive dictionary to the Trans dictionary. In order to avoid a truncated word in the short expansion of the Trans dictionary, I systematically shortened the short expansions exceeding 48 characters. However it makes the short expansion less understandable and we should allow 71 characters as written in the current EXFOR/CINDA Dictionary Manual.
* Nicolas Soppera reviewed the new dictionaries, and the new dictionaries were finalized as per his comments. He reports that JANIS detects 12 uses of quantities (SF5-SF8), data headings and data units undefined in dictionary 24, 25 and 236 on the latest EXFOR Master (Ver.2018-06-25) with this new dictionary. (It was detecting 10 such error messages with the previous dictionary.). All 12 cases are originated from the EXFOR O0011 issue mentioned above.
* Additional changes introduced in this memo

**Dictionary 3 (Institutes)**

1USAMRD (Expansion revised.)

1USAMRY (Expansion revised.)

2GERSFN Forschungszentrum fur Umwelt u. Gesundheit, Neuherberg

2GERMST (Expansion revised. “Westfaelische Wilhelms-“ added.)

2JPNIRS (Expansion revised. The institute was renamed.)

2JPNJCL (*Obsolete*. Use 2JPNIPC.)

2NEDGRN (*Obsolete*. Use 2NEDKVI for Kernfysich Versneller Inst.)

2SPNIEM Instituto de Estructura de la Materia, Madrid

3BZLITA (Expansion revised. “dos Campos” added.)

3CPRUCA Univ. of Chinese Academy of Sciences, Beijing

3IRNNRT (Expansion revised. The institute was renamed.)

3KORIBS Institute for Basic Science, Daejeon

3MEXIFM (Expansion revised. “Inst.de Fis.” deleted.)

3SAFNLP (*Extinct*)

4UKRUFT (*Obsolete*. Use 4UKRKFT.)

**Dictionary 5 (Journals)**

CNDP (*Extinct*)

CP (*Extinct*)

IPC (*Obsolete.* Use RPC).

IZK (The journal was renamed but still exists.).

RPC Radiation Physics and Chemistry

 (RPC was reserved for “RPCC Newsletter” but without any use.)

**Dictionary 6 (Reports)**

KFK-EXT- (Expansion revised. “Externer Bericht” added.)

**Dictionary 22 (Detectors)**

TPC Time projection chamber

**Dictionary 23 (Analyses)**

NTRTH Normalized to Rutherford scattering cross section

**Dictionary 236 (Quantities)**

COR,FF/FF (Delete. Now only EXFOR O0011 keeps SF6=COR and it must be revised.)

EP,SIG,,SFC (Expansion revised. “Astrophysical” was removed for consistency.)

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Dict.** | **Status** | **Code** | **Expansion** | **Remark\*** |
| 003 | MOBS | 1USAMRD | University of Maryland, College Park, MD | This memo |
| 003 | MTRA | 1USAMRY | University of Maryland, College Park, MD | This memo |
| 003 | ATRA | 2GERSFN | Forschungszentrum fur Umwelt u. Gesundheit,Neuherberg | This memo |
| 003 | MTRA | 2GERMST | Westfaelische Wilhelms-Universitaet Muenster,Muenster | This memo |
| 003 | MTRA | 2JPNIRS | Nat.Inst. for Quantum & Radiol.Sci.& Tech., Chiba | This memo |
| 003 | SOBS | 2JPNJCL | Cyclotron Lab., Inst. of Phys. & Chem. Research, Wakou | This memo |
| 003 | ATRA | 2JPNTAK | Nat.Inst. for Quantum & Radiol.Sci.& Tech., Takasaki | CP-E/158 |
| 003 | SOBS | 2NEDGRN | Groningen | This memo |
| 003 | ATRA | 2SPNIEM | Instituto de Estructura de la Materia, Madrid | This memo |
| 003 | DTRA | 3BZLCAF | Centro Latin.Americ.de Fisica, Rio de Janeiro | Not in use |
| 003 | MTRA | 3BZLCTA | Instituto de Estudos Avancados, Sao Jose dos Campos | Editorial |
| 003 | MTRA | 3BZLITA | Inst. Tecnologico de Aeronautica, Sao Jose dos Campos | This memo |
| 003 | ATRA | 3CPRUCA | Univ. of Chinese Academy of Sciences, Beijing | This memo |
| 003 | MTRA | 3INDTRM | Bhabha Atomic Research Centre, Trombay, Mumbai | Editorial |
| 003 | MTRA | 3IRNNRT | Nucl. Sci. and Technol. Research Inst., AEOI, Tehran | This memo |
| 003 | DTRA | 3IRNSTI | Nucl. Sci. and Technol. Research Inst., AEOI, Tehran | Not in use |
| 003 | ATRA | 3KORIBS | Institute for Basic Science, Daejeon | This memo |
| 003 | MTRA | 3MEXIFM | Univ. Nacional Autonoma de Mexico (UNAM), Mexico City | This memo |
| 003 | SEXT | 3SAFNLP | National Physical Research Lab., Pretoria | This memo |
| 003 | SOBS | 4UKRUFT | Ukrainskiy Fiziko-Tekhnicheskiy Inst., Kharkov | This memo |
| 005 | SEXT | CNDP | Communication of Nuclear Data Progress | This memo |
| 005 | SEXT | CP | Chinese Physics | This memo |
| 005 | SOBS | IPC | Radiation Physics and Chemistry | This memo |
| 005 | STRA | IZK | Izvestiya Akademii Nauk Resp.Kaz.,Ser.Fiz.-Mat. | This memo |
| 005 | DOBS | RPC | RPCC Newsletter | Not in use |
| 005 | ATRA | RPC | Radiation Physics and Chemistry | This memo |
| 005 | ATRA | SCR | Scientific Reports | CP-E/157 |
| 006 | MTRA | KFK-EXT- | KFK Reports (Externer Bericht) | This memo |
| 007 | ATRA | 57MOSCOW | Low and Medium Energy Nucl.Reactons, Moscow 1957 | CP-F/017 |
| 007 | ATRA | 60MOSCOW | Low and Medium Energy Nucl.Reactons, Moscow 1960 | CP-F/017 |
| 007 | ATRA | 87ZVENIGRD | Program of Exp.Res. at Meson Factory INR AS USSR 1987 | CP-F/016 |
| 016 | ATRA | SPSDD | Data superseded or withdrawn | CP-D/946 |
| 018 | SOBS | FRS | Fragment separator | CP-D/958 |
| 018 | SOBS | PRJFS | Secondary beam from projectile fragment separator | CP-D/958 |
| 019 | ATRA | FRAGM | Fragmentation | CP-D/958 |
| 022 | ATRA | TPC | Time projection chamber | This memo |
| 023 | ATRA | NTRTH | Normalized to Rutherford scattering cross section | This memo |
| 025 | ATRA | DPS/MUA | decays per Sec/micro-Ampere | CP-D/962 |
| 025 | MTRA | DPS/MUAHR | decays per Sec/micro-Ampere-hour | Editorial |
| 025 | ATRA | GBQ/MUAHR | Giga-Becquerel/micro-Ampere-hour | CP-D/951 |
| 031 | DTRA | HEN | High-energy component | Not in use |
| 031 | DTRA | LEN | Low-energy component | Not in use |
| 032 | DOBS | COR | Angular correlation | Not in use |
| 032 | MTRA | SGV | Thermonuclear reaction rate | CP-D/956 |
| 045 | DOBS | EC | Energy correlation | Not in use |
| 045 | DOBS | EMC | Effective mass correlation | Not in use |
| 045 | DOBS | LMC | Partial linear momentum correlation | Not in use |
| 213 | DOBS | COD | Angular correlation d/dE' | Not in use |
| 213 | DOBS | EC | Energy correlation | Not in use |
| 213 | DOBS | LC | Linear momentum correlation | Not in use |
| 213 | DOBS | LCP | Partial linear momentum correlation | Not in use |
| 213 | DOBS | MC | Effective mass correlation | Not in use |
| 236 | MTRA | (CUM),TTY,,PHY | Physical thick target yield, unc. if cumulative | (1) |
| 236 | MTRA | (CUM),TTY,,EOB | EOB thick target yield, uncertain if cumulative | (1) |
| 236 | MTRA | (M),INT | Cs.int.over inc.energy, unc. if iso.trans.incl. | (1) |
| 236 | MOBS | (M),TTY,,DT | Prod.thick target yld.,unc.if isom.trans.incl. | (1) |
| 236 | MTRA | (M),TTY,,EOB | EOB thick target yld., unc. if isom.trans.incl. | (1) |
| 236 | MTRA | (M),TTY,,PHY | Physical thick targ.yld.,unc.if isom.trans.incl. | (1) |
| 236 | MTRA | (M),TTY,,SAT | Saturat.thick targ.yld., unc.if isom.trans.incl. | (1) |
| 236 | MTRA | 20,POL/DA,,TAP | Tensor analyzing power, T20 | (2) |
| 236 | MOBS | 20,POL/DA,,VAP | Vector analyzing power, T20 | (2) |
| 236 | MTRA | 20,POL/DA,\*,TAP | Tensor anal. power, T20 for particle specified | (1,2) |
| 236 | MOBS | 20,POL/DA,D,VAP | Vector anal. power, T20 for deuteron | (2) |
| 236 | MTRA | 20,POL/DA/DA/DE,\*/\*/\*+\*,TAP | Tensor anal. power, T20/dA(\*)/dA(\*)/dE(\*+\*) | (2) |
| 236 | MTRA | 21,POL/DA,,TAP | Tensor analyzing power, T21 | (2) |
| 236 | MTRA | 21,POL/DA,\*,TAP | Tensor anal. power, T21 for particle specified | (2) |
| 236 | MTRA | 22,POL/DA,,TAP | Tensor analyzing power, T22 | (2) |
| 236 | MTRA | 22,POL/DA,\*,TAP | Tensor anal. power, T22 for particle specified | (2) |
| 236 | MTRA | 31,POL/DA,,TAP | Tensor analyzing power, T31 | (2) |
| 236 | MTRA | 32,POL/DA,,TAP | Tensor analyzing power, T32 | (2) |
| 236 | MTRA | 33,POL/DA,,TAP | Tensor analyzing power, T33 | (2) |
| 236 | MTRA | 20/PAR,POL/DA,,TAP | Tensor analyzing power, T20, partial | (2) |
| 236 | MTRA | 20/PAR,POL/DA,\*,TAP | Tensor anal. power, T20, partial f.part.spec. | (2) |
| 236 | MTRA | 20,POL/DA/DE,\*,TAP | Tensor analyzing power, T20/dA(\*)/dE(\*) | (2) |
| 236 | MTRA | 21/PAR,POL/DA,,TAP | Tensor analyzing power, T21, partial | (2) |
| 236 | MTRA | 21/PAR,POL/DA,\*,TAP | Tensor anal.power, T21,partl.for part.spec. | (2) |
| 236 | MTRA | 21,POL/DA/DE,\*,TAP | Tensor analyzing power, T21/dA(\*)/dE(\*) | (2) |
| 236 | MTRA | 22/PAR,POL/DA,,TAP | Tensor analyzing power, T22, partial | (2) |
| 236 | MTRA | 22/PAR,POL/DA,\*,TAP | Tensor analyzing power, T22,partl.for part.spec. | (2) |
| 236 | MTRA | 22,POL/DA/DE,\*,TAP | Tensor analyzing power, T22/dA(\*)/dE(\*) | (2) |
| 236 | MTRA | 31/PAR,POL/DA,,TAP | Tensor analyzing power, T31, partial | (2) |
| 236 | MTRA | 32/PAR,POL/DA,,TAP | Tensor analyzing power, T32, partial | (2) |
| 236 | MTRA | 33/PAR,POL/DA,,TAP | Tensor analyzing power, T33, partial | (2) |
| 236 | MTRA | 40/PAR,POL/DA,,TAP | Tensor analyzing power T40, partial | (2) |
| 236 | DOBS | ,COR | Angular correlation | Not in use |
| 236 | DOBS | ,COR,A/FF | Alpha to fission fragment angular correlation | Not in use |
| 236 | DOBS | ,COR,A/HF | Alpha to heavy fragment angular correlation | Not in use |
| 236 | DOBS | ,COR,FF/FF | Fragment to fragment angular correlation | This memo |
| 236 | DOBS | ,COR,N/D | Angular correlation neutrons/deuterons | Not in use |
| 236 | DOBS | ,COR,N/FF | Neutron to fission fragment angular correlation | Not in use |
| 236 | DOBS | ,COR,N/P | Angular correlation neutrons/protons | Not in use |
| 236 | DOBS | ,COR,N/T/A | Angular correlation neutrons/tritons/alphas | Not in use |
| 236 | DOBS | ,COR,P/D | Angular correlation protons/deuterons | Not in use |
| 236 | MTRA | ,DA,,TMP | Diff.cross section d/dA at other than room temp. | (1) |
| 236 | MTRA | ,DA,\*,TT/RSD | Ang.distr.of part.specif.rel.90deg.f.thick targ. | (1) |
| 236 | MTRA | ,DA,\*+FF,RSD | Ang.distr.of spec.part.vs.fiss.frag.,rel.90 deg. | (1) |
| 236 | MTRA | ,DA,\*,RTH | Diff. cs d/dA for spec.part.rel.to Ruth.scatt. | (1) |
| 236 | MTRA | ,DA/DA,P+A/FF | Angular corr.alphas/protons(rel.angle)-fis.frag. | (1) |
| 236 | MTRA | ,DA/DE,,LEG/RS | Legendre coeff. d2/dA/dE'=Sum(a(E',L)\*P(L)) | (1) |
| 236 | MTRA | ,DA/DE,,RSD | Double diff.cross sect. d2/dA/dE rel.to 90 deg. | (1) |
| 236 | MTRA | ,DA/DE,,TMP | Double diff.cs.d2/dA/dE at other than room temp. | (1) |
| 236 | MTRA | ,DE,\*+\* | Energy spectrum of correlated particles specif. | (1) |
| 236 | MTRA | ,DE,\*+\*+\* | Energy spectrum of correlated particles specif. | (1) |
| 236 | MTRA | ,DP | Diff. cross section with respect to linear mom. | (1) |
| 236 | DOBS | ,ECO | Energy correlation | Not in use |
| 236 | DOBS | ,EMC | Effective mass correlation | Not in use |
| 236 | MTRA | ,INT/DA,,RES | Integral over incid.energy of ang. dist. at res. | (1) |
| 236 | MTRA | ,KE,,TT | Kinetic energy of reaction prod.for thick target | (1) |
| 236 | MTRA | ,KE,LF+HF | Total kin. energ.of light/heavy frag.pair spec. | (1) |
| 236 | DOBS | ,MCO | Linear momentum correlation | Not in use |
| 236 | MTRA | ,MLT,,TT/CH | Multiplicity for thick target per elect. charge | (1) |
| 236 | MTRA | ,MLT/DA/DE,,TT/CH | Part.mult.f.thick targ.d2/dA/dE per elec.charge | (1) |
| 236 | MTRA | ,MLT/IPA/DE,,TT/NPD | Mult.f.thick tar.d2/dA/dE in.ov.ang.ran.pro.dis. | (1) |
| 236 | MTRA | ,POL,\* | Spin-polarization probability of particle spec. | (1) |
| 236 | MOBS | ,POL/DA,,TAP | Tensor analyzing power, T(kq) | (2) |
| 236 | MTRA | ,POL/DA,,VAP | Vector analyzing power, iT(11) | (2) |
| 236 | MOBS | ,POL/DA,D,TAP | Tensor anal.power, T(kq) for deuteron | (2) |
| 236 | MTRA | ,POL/DA,\*,VAP | Vector anal.power, iT(11) for particle specified | (1,2) |
| 236 | MTRA | ,POL/DA/DA/DE,\*/\*/\*,ANA | Analyzing power dA1/dA2/dE1 f.particles spec. | (1) |
| 236 | MTRA | ,POL/DA/DE,\*,VAP | Vect.anal.power,iT(11)/dA(\*)/dE(\*), f.part.spec. | (1,2) |
| 236 | MTRA | ,POL/DT,,ANA | Anal. power with respect to 4-momentum transfer | (1) |
| 236 | MTRA | ,SGV | Thermonuclear reaction rate | CP-D/956 |
| 236 | MTRA | ,SGV,,RNV | Thermonuclear reaction rate, non 1/v part | CP-D/956 |
| 236 | MTRA | ,SGV,,RV | Thermonuclear reaction rate, 1/v part | CP-D/956 |
| 236 | MTRA | ,SIF,,TMP | Self-indication function at other than room temp. | (1) |
| 236 | MTRA | ,SIG,,SFC | S-factor | (3) |
| 236 | MTRA | ,SIG,,SFC/RES | S-factor at resonance | (3) |
| 236 | MTRA | ,TTY/DEN,,PHY | Physical thick targ.yld.diff.by incident energy | (1) |
| 236 | MTRA | CUM,INT | Cumulative cross-section, int.over inc. energy | (1) |
| 236 | MTRA | CUM,SIG,,RAB | Cum.Cs \* abund.(nat)/abund.(nucl.of 1st term) | (1) |
| 236 | ATRA | CUM,TTY,,(PHY) | Cumulative thick target yield, unc. if physical | CP-D/961 |
| 236 | MTRA | CUM,TTY,,EOB | EOB thick target yield, cumulative | (1) |
| 236 | MTRA | CUM,TTY,,SAT | Cumulative saturation thick target yield | Editorial |
| 236 | MTRA | CUM,TTY/DEN,,PHY | Cum.physical thick target yld.diff.by inc.energy | (1) |
| 236 | ATRA | DI,SGV | Thermonuclear reaction rate, direct int. contr. | CP-D/956 |
| 236 | MTRA | DL/GRP/PAR,NU | Partial del.neutron yld.for gvn half-life group | (1) |
| 236 | MTRA | EM,DA,,LEG | Leg.coef.d/dA=a(0)+Sum(a(L)\*P(L)) for emis. c/s | (1) |
| 236 | MTRA | EP,SIG,,SFC | S-factor for electric polarity given | This memo |
| 236 | DTRA | HEN,SIG | ‘High-energy’ component of cross section | Not in use |
| 236 | MTRA | ICL,IPA/DE,\*/\* | d2/dA(\*)/dE(\*)unc.f.ot.ch.em.same par.int.ov.an. | (1) |
| 236 | MTRA | ICL,DA/DE,\*/\* | d2/dA(\*)/dE(\*)uncor.for oth.chan.emit.same part. | (1) |
| 236 | DTRA | IND,FY/COR | Independent yield of correlated fragment pairs | Not in use |
| 236 | ATRA | IND,TTY,,SAT | Independent saturation thick target yield | CP-D/961 |
| 236 | MTRA | IND,TTY,,EOB | EOB thick target yield, independent | (1) |
| 236 | ATRA | IND/M+,TTY,,EOB | Ind. EOB thick target yield, incl.isom.trans. | CP-D/950 |
| 236 | MTRA | ISP/PAR,SIG | Cs, partial for final and intermediate products | (1) |
| 236 | DTRA | LEN,SIG | ‘Low-energy’ component of cross section | Not in use |
| 236 | MTRA | LL,POL/DA,\*,D | Spin rotation parameter, D(LL), for part.spec. | (1) |
| 236 | MTRA | LP,IPA/DP,\* | Cs dif.by lon.sec.li.mom.int.ov.an.ran.,par.spe. | (1) |
| 236 | ATRA | M+,SIG,,SFC | S-factor including isomeric transition | CP-C/462 |
| 236 | MTRA | M+,TTY,,(PHY) | Thick target yld.,incl.iso.tran.,unc.if physical | (1) |
| 236 | MTRA | M+,TTY,,EOB | EOB thick target yield, incl.isomeric transition | (1) |
| 236 | MTRA | M+,TTY,,PHY | Physical thick target yield incl.isomeric trans. | (1) |
| 236 | MTRA | M+,TTY,,SAT | Saturation thick target yld.incl.isomeric trans. | (1) |
| 236 | MTRA | M+,TTY/DEN,,PHY | Phys.thick targ.yld.dif.by inc.ene.inc.iso.tran. | (1) |
| 236 | ATRA | M-,TTY,,EOB | EOB thick target yield excl.isom.transition | CP-D/950 |
| 236 | MTRA | M-,TTY,,PHY | Physical thick target yld., excl.isom.transition | (1) |
| 236 | MTRA | M-,TTY,,SAT | Saturation thick target yld., excl.isom.transit. | (1) |
| 236 | MTRA | NN,POL/DA,\*,D | Spin-depolarization parameter,D(NN),f.part.spec. | (1) |
| 236 | DOBS | PAR,COR | Partial reaction, angular correlation | Not in use |
| 236 | DOBS | PAR,COR,G/N | Partial reaction, ang.correl. gammas/neutrons | Not in use |
| 236 | MTRA | PAR,DA,,SFC | Partial angular differential S-factor | (3) |
| 236 | MTRA | PAR,DA/DA/DE,\*/\*/\*+\* | Par.triple diff.cross sec.d3/dA(\*)/dA(\*)/dE(\*+\*) | (1) |
| 236 | MTRA | PAR,IPA,\* | Par.diff.cs integr.ov.part.ang.rang,f.part.spec. | (1) |
| 236 | MTRA | PAR,KE | Kinetic energy of reaction prod.f.given en.grp. | (1) |
| 236 | DOBS | PAR,MCO,\*/\* | Partl linear mom. correl. of particle pair \*/\* | Not in use |
| 236 | DOBS | PAR,MCO,N/P | Partial linear momentum correlation of n/p | Not in use |
| 236 | MTRA | PAR,MLT,\*,TT | Partial multiplicity of part.spec.f. thick targ. | (1) |
| 236 | MTRA | PAR,POL/DA,,VAP | Vect.anal.power,partl.react.,iT11 | (1) |
| 236 | MTRA | PAR,POL/DA,\*,VAP | Vect.anal.power,partl.react.,iT11 for part.spec. | (1,2) |
| 236 | MTRA | PAR,POL/DA,N+A | Diff.spin-polar.prob.for partial react.,rel.ang. | (1,2) |
| 236 | MTRA | PAR,POL/DA/DA/DE,\*/\*/\*,ANA | Partial analyz.power dA1/dA2/dE1 for part.spec. | (1) |
| 236 | MTRA | PAR,SGV | Partial thermonuclear reaction rate | CP-D/956 |
| 236 | MTRA | PAR,SIG,,SFC | S-factor for partial reaction | (3) |
| 236 | MTRA | PAR,SIG,DG | Partial prod. cross section for decay gammas | (1) |
| 236 | MTRA | PAR,SIG,G,RAB | Ptl.gam.pro.Cs\*abun.(nat)/abun.(nucl. 1st term) | (1) |
| 236 | DOBS | PR,COR,N/N | Angular correlation of prompt fission neutrons | Not in use |
| 236 | DOBS | PR,COR/DE,N/FF | Angle-energy correl. of prompt neut./fiss.frag. | Not in use |
| 236 | MTRA | PR/PAR,FY,G | Prompt fiss.gam.yld.for spec.frag.& gamma energy | (1) |
| 236 | MTRA | PRE,KE | Kinetic energy of primary fission fragments spec. | (1) |
| 236 | MOBS | PRE,KE,\*F | Kinetic energy of primary fission fragments spec. | (1) |
| 236 | MTRA | PRE,KE,LF+HF | Tot.kin.energy of primary fission fragments spec. | (1) |
| 236 | MTRA | PRE,KEP,\*F | Most probable kin.en.of primary fiss.fragm.spec. | (1) |
| 236 | MTRA | PRE/TER,AP,\*F | Most probable mass of prim.frag.spec.ternar.fis. | (1) |
| 236 | MTRA | SEC,FY | Post-neutron-emiss.fission-prod.yld.(mass yield) | (1) |
| 236 | MTRA | SEC,FY/DE,HF | Post-neut.em.heav.fis.fra.yld dif.w.frag.kin.en. | (1) |
| 236 | MTRA | SEC,FY/DE,LF | Post-neut.em.lig.fis.fra.yld dif.w.frag.kin.en. | (1) |
| 236 | MTRA | SEC,KE,LF+HF | Tot.kin.energ.of lig./heav.post-n-emis.frag.pair | (1) |
| 236 | MTRA | SEC/TER,AKE,\*F | Av.kin.energy of post-neut-emiss.frag.,ter.fis. | (1) |
| 236 | MTRA | SEC/TER,AKE,LF+HF | Av.tot.kin.ene.of post-neut-emiss.frag.,ter.fis. | (1) |
| 236 | MTRA | SEQ,DA,\* | Angular dist. of part.spec.,specif.reaction seq. | (1) |
| 236 | MTRA | SEQ/PAR,DA/DA,\*/\* | Partial ang.correl.of spec.part.,spec.reac.seq. | (1) |
| 236 | DOBS | TER,COR,A/FF | Alpha/fragment angular correl., ternary fission | Not in use |
| 236 | DOBS | TER,COR,FF/FF | Fragment/fragment ang. correl., ternary fission | Not in use |
| 236 | DOBS | TER,COR,LCP/FF | Angular correl. light chg. part., ternary fiss. | Not in use |
| 236 | MTRA | TER,DA/DE,\* | Double-diff.cs d2/dA/dE of part.spec.,tern.fiss. | (1) |
| 236 | MOBS | TER,DA/KE,\* | Kin. energy angular dist.of part.spec.,tern.fis. | (1) |
| 236 | MTRA | TER,ZP,\*F | Most prob. charge of ternary fission frag. spec. | (1) |
| 236 | MTRA | TER/PAR,KE,N | Kin.ene.of neut.assoc.to prod.lev.spec.tern.fis. | (1) |
| 236 | MTRA | TER/PAR,MLT,G/LCP | Gamma mult.,tern.fis.with light chg.part.eng.gvn | (1) |

\*

(1) The short expansion of the quantity code was shortened to 48 characters.

(2) “spherical coordinate” was removed to simplify the expansion.

(3) “for cross section” etc. was removed to simplify the expansion.

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