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Memo CP-E/104

Date: November 21, 2006
To: Distribution
From: OTSUKA Naohiko
Subject: Bibliographical information (TITLE, AUTHOR) from several references

I find many Japanese secondary references (e.g. conference proceedings) in the EXFOR compilation control database. Some of them have not been compiled, but published later again as main publications and compiled by JCPRG, In TRANS.E039 I added some secondary references from the database into existing entries. For example I added a conference proceedings published in Nucl. Phys. A Vol.738 into E1791.001 as follows:

```
...
AUTHOR      (T.Zheng, T.Yamaguchi, A.Ozawa, M.Chiba, R.Kanungo,      E179100100005
             T.Kato, K.Katori, K.Morimoto, T.Ohnishi, T.Suda,      E179100100006
             I.Tanihata, Y.Yamaguchi, A.Yoshida, K.Yoshida, H.Toki, E179100100007
             N.Nakajima)                                           E179100100008
...
REFERENCE   (J,NP/A,709,(1-4),103,200210) Main reference          E179100100013C
             Title and authors are coded under TITLE and AUTHOR.  E179100100014I
             (J,NP/A,738,(1-4),38,200406)                          E179100100015I
             A.Ozawa+, Proc. of the 8th International Conference on E179100100016I
             Clustering Aspects of Nuclear Structure and Dynamics  E179100100017I
             (CLUSTER'03)                                          E179100100018I
```

Users possibly extract bibliographical information from AUTHOR and REFERENCE and generate add
“T. Zheng, T. Yamaguchi, A. Ozawa, M. Chiba, ..., Nucl. Phys. A 709 (2002) 103”.
into reference lists of their publication. Similary the NDS service provides BibTeX output like

```
@article{J_NP/A_709_(1-4)_103_200210,
```

```
...
  author={Zheng, T. and Yamaguchi, T. and Ozawa, A. and
  Chiba, ...
```

...
These are right, because I put the title and authors of the main reference (corresponding to the first code under REFERENCE) under AUTHOR and REFERENCE, respectively. However the EXFOR format rule does not guarantee this usage of combination of AUTHOR and REFERENCE in general.

Example (22687.001):

...

```

AUTHOR      (T.KATOH, S.NAKAMURA, K.FURUTAKA, H.WADA, H.HARADA,      2268700100006
            T.BABA, T.FUJII, H.YAMANA)                          2268700100007
...
REFERENCE   (J,NST,39,(7),705,200207)  Main reference, data and      2268700100011
                                                    error structure are given    2268700100012
            (J,NSTS,2,(1),258,200208)  Data given for 90Sr,166m-Ho 2268700100013
            (C,2001TSUKUB,,(393),200110) Abstracts                    2268700100014
            (J,NST,32,395,1995)        Experimental details            2268700100015

```

```

...
For this case, both
“T. Katoh, S. Nakamura, K. Furutaka, H.Wada,..., Jour. Nucl. Sci. Technol.39(2002)705”
, and BibTeX output like
@article{J_NST_39_(7)_705_200207,

```

```

...
author={Katoh, T. and Nakamura, S. and Furutaka, K. and
Wada,

```

...
are *not* correct, because H. Wada is not an author of the main publication but an author of the second reference.

We find the following statement in the 2001 version of LEXFOR:
“If a data set has several references with varying co-authors all co-authors may be entered”
(This is not written in the present version of LEXFOR explicitly, but not forbidden). If this statement is valid still no, our users are always forced to check the original article whenever there are more than two references (My colleague often complains about this when he prepares reference lists for his publications). Therefore I propose that *the title and authors of the main publication should be coded under TITLE and AUTHOR, where main publication is defined by the first code under REFERENCE*. I stick this in TRANS.E039 and E040.

I believe this rule brings a strong benefit to EXFOR users because this rule guarantees auto generation of the correct combination of the first author – title – reference from entries. Maybe my idea is conflicts with the concept of “work” in EXFOR. Any comments are welcome.

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**Nuclear Data Section
International Atomic Energy Agency
P.O.Box 100, A-1400 Vienna, Austria**

Memo CP-D/476

Date: 22 November 2006
To: Distribution
From: O. Schwerer
Subject: Bibliographic information (TITLE, AUTHOR) from several references
(Reply to memo CP-E/104 Rev.)

We see the point of this proposal but we believe some discussion is needed before we introduce a new rule, and several questions arise. For now, I have the following remarks:

- The present LEXFOR version (issued January 2006) still contains the sentence “If a data set has several references with varying co-authors, all co-authors may be entered.” See page “Author” (A.7), third paragraph from the top.
- As Naohiko points out, to give only the authors of the first reference, is not in agreement with the important “work” concept in EXFOR. Sometimes two references are almost equally important, and it is almost arbitrary which one to put in the first place. Also in the more frequent case, where the final results are given in the main paper, and more experimental details in a second reference, one may have doubts whether it is fair to drop some of the authors.
- If a user wants so use EXFOR to create his reference list, he sometimes may want to do it also for the second and/or third reference.
- One of our rules in some cases contradicts the proposal that the title given in EXFOR must be identical with the title of the publication: in EXFOR, the title must always be in English. For publications in other languages, often the compiler has to translate it. Therefore, it may happen that the same work is cited with a slightly different translated title in another place.
- I would like to have some discussion of this topic among the centers. Just to start the discussion, I can think of two possibilities:
 - Give the option of having “two or more codes” (= pairs of parentheses) under AUTHOR, as we have it under other BIB keywords such as DETECTOR. The first pair of parentheses would contain the authors of the main reference, the next one any others (or the authors of the second reference).

AUTHOR (N.Smith, P.Miller)
(A.Maier, D.Carpenter)

- Or we solve it by a link to NSR, where each reference is given separately with its list of authors. Anyway this problem is more suitable for solution within a bibliography than within EXFOR,

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MEMO 4C-4/166

DATE:	23 November 2006
TO:	Distribution
From:	M.Mikhaylyukova
Subject:	Reply to Memos CP-E/104 and CP-D/476

We propose to use pointers for many articles, compiled in one Entry (digits or letters)

Example:

TITLE 1 1st Article title
2 2nd Article title

.....
AUTHOR 1(List of authors for 1st article)
2(List of authors for 2st article)

.....
REFERENCE 1(Reference for 1st article)
2(Reference for 2nd article)

.....
For main Reference- the free text in the corresponding line.

Such using of pointers corresponds to EXFOR logic and could be helpful in the STATUS line of Subents to point out the article, in which the data is published.

Example:

STATUS () Data from REFERENCE 1, Table ...

Distribution:

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