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**Information**

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Memo CP-B/27

12.10.1978

- Subjects:
1. Agreements to Branch-Codes UND/(DEF)
  2. Proposed Addition to the Explanations of Code UND
  3. New Process Codes XN, YP (CP-C/45)
  4. Extension for Use of DECAY-FLAG
  5. Proposal for new Journal-Codes
  6. Discrepance for Code (MISC) under Keyword MISC-COL between Dict. 2 and EXFOR-Manual
  7. Replies to several Memos

References: CP-A/4 to A/7, CP-C/41 to C/45, CP-D/68 + 69, CP-E2/1, CP-B/25

1. Branch-Codes UND/(DEF)

We have received agreement to the respective proposals of CP-B/25 from NNDC (CP-C/42), CaJaD (CP-A/6), and NEA-DB (CP-E2/1). An inofficial agreement from NDS was given in a letter by H. Lemmel. Thus we would like to conclude that the formulations as proposed in CP-B/25 could be entered into the EXFOR-Manual and Dictionaries.

2. Proposed Addition to the Explanations of Branch-Code UND

In the above mentioned letter, Hans Lemmel pointed out that we had overlooked to explain explicitly the difference between

(Z-S-A(P,2N+2P)Z'-S'-A',UND,SIG) and  
 (Z-S-A(P,X)Z'-S'-A',,SIG).

Furthermore, we would like to add that the process codes X and F, which describe anyway an undefined reaction, should not be combined with the branch code UND. We propose, therefore, the following supplementary explanation for the LEXFOR

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entry under Particles

The "undefined" processes X and F are not combined with the branch-code 'UND'. In cases where an explicit specification of the number of outgoing nucleons is meaningless (e.g. too many outgoing nucleons, spallation etc.), the coding

(Z-S-A(P,X)Z'-S'-A',,SIG) should be used rather than  
(Z-S-A(P,~~X~~N+Y)Z'-S'-A',UND,SIG).

3. New Process Codes XN,YP (Proposed in CP-C/45)

We appreciate the formulation of the Paris-Meeting proposal in CP-C/45 and agree completely. There is, however, a slight discrepancy for the code for the variable number of emitted protons which is partly quoted as XP and partly as YP. We would prefer the multiplicity factors X for neutrons and Y for protons according to the usual notation in literature.

4. Extension of Use of the DECAY-FLAG

The concept of the DECAY-FLAG as adopted at the Paris-Meeting allows its use only with the BIB-keywords DECAY-DATA and RAD-DET.

Since we are just now implementing an entry, where a series of endproducts from one reaction (suitable for the variable product nucleus formalism) were identified directly by mass spectrometry, we need coding them under PART-DET. The DECAY-FLAG should, therefore, also be applicable for this keyword.

5. Proposal for new Journal-Codes

Following Journal-codes should be added to dict. 5:

GCA	(GEOCHIM.COSMOCHIM.ACTA) Geochimica et Cosmochimica Acta	2UK
JGR	(J.GEOPHYS.RES.) Journal of Geophysical Research, until Vol. 82 (1977)	1USA
JGR/A	(J.GEOPHYS.RES.,PART A) Journal of Geophysical Research, Part A, from Vol. 83 (1978)	1USA
JGR/B	(J.GEOPHYS.RES.,PART B) Journal of Geophysical Research, Part B, from Vol. 83 (1978)	1USA
JGR/C	(J.GEOPHYS.RES.,PART C) Journal of Geophysical Research, Part C, from Vol. 83 (1978)	1USA

CP-B/27  
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6. Differing Rules for Code (MISC) in Dict. 2 and EXFOR-Manual

We have encountered a discrepancy regarding the code (MISC). While in dict. 2 the use of code (MISC) under the keyword MISC-COL is said to be obligatory, the rule in the manual, p. VIII.M.1 reads: 'If only one misc.-col. is given, then no coded information is required.'

Obviously, the latter one is reasonable, thus dict. 2 should be changed.

7. Reply to several Memos

a) CP-C/41 to C/44: we agree  
CP-C/45: see item 3. above

b) CP-D/68 + D/69: no comments  
CP-D/70: we agree

c) CP-E2/1: no comments

Draft-Minutes of the Paris-Meeting: final comments will be given, if all appendices are available. Preliminary, we can say that we have no serious objections.

d) CP-A/4, A/6, A/7: we agree, but support the restrictions given in CP-D/70 regarding the new REL-REF codes.

e) CP-A/5:

We have decided to compile for the time being papers with  $\gamma$ -ray yields only, if the author has deduced an integral cross section, which reflects the total production of the ground - or metastable state. Data for individual excited levels or transitions are at present not considered.

Distribution:

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- B. H. Münzel, KaChaPaG
- C. S. Pearlstein, NNDC
- D. J. Schmidt, NDS
- E. H. Tanaka, Study Group
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- G. H. Behrens, FIZ 4
- H. A. Marcinkowski, IBJ
- I. N. Tubbs, NEA-DB
- K. D.C. Agrawal, Varanasi
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cc/ three  
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