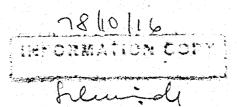
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# Information

PARTICLE
GROUP



KERNFORSCHUNGSZENTRUM · D-7500 KARLSRUHI

TELEX 7828-484

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

## entry under Particles

The "undefined" processes X and F are not combined with the branch-code 'UND'. In cases were an explicit specification of the number of outgoing nucleons is meaning less (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+YP)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)	IUSA
JGR/A	(J.GEOPHYS.RES., PART A) Journal of Geophysical Research,	
	Part A, from Vol. 83 (1978)	1 USA
JGR/B	(J.GEOPHYS.RES., PART B) Journal of Geophysical Research,	
• •	Part B, from Vol. 83 (1978)	lusa
JGR/C	(J.GEOPHYS.RES., PART C) Journal of Geophysical Research,	
	Part C. from Vol. 83 (1978)	IUSA

## 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 <u>integral</u> cross section, which reflects the <u>total</u> production of the ground - or metastable state. Data for individual excited levels or transitions are at present not considered.

#### Distribution:

- A. F.E. Chukreev, CAJaD
- B. H. Münzel, KaChaPaG
- C. S. Pearlstein, NNDC
- D. J. Schmidt, NDS
- E. H. Tanaka, Study Group
- F. G. Dearnaley, AERE

- G. H. Behrens, FIZ 4
- H. A. Marcinkowski, IBJ
- I. N. Tubbs, NEA-DB
- K. D.C. Agrawal, Varanasi
- 4. V.N. Manokhin, CJD

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