

MEMO CP-C/1

From: V. McLane May, C. Dunford  
Subject: CPND Dictionaries  
Reference: CP-B/1 also known as KACHAPAG Information #1  
Memo 4C-3/160

We believe that EXFØR dictionaries 10-14 should be left unmodified, and that new dictionaries be added which correspond to usage in specific fields for the keyword REACTION. We believe that this procedure will ease the adoption of the keyword REACTION in the neutron EXFØR. We also believe that the assignments to the various dictionaries were not logical. We propose the following new dictionaries which could easily be expanded to handle neutron data.

Dictionary 15: (Data type)

EXP  
THEØ  
EVAL  
RECØM

Dictionary 26: ((Processes), other than those specified by a combination of particles).

TØT  
NØN  
ABS  
EL\*  
INL

\* If (p,p) is taken to mean total scattering.

Dictionary 27: Branch

PAR  
PR  
DL  
CN  
DI  
M+  
M-  
(M)  
BIN  
TER  
IND  
CUM  
(CUM)

Dictionary 28: (Quantity)

\*\*  
EM  
SIG  
TTY  
YLD\*\*

- \*\* Have combined GEM, PEM, AEM, TEM into single emission quantity EM and have combined FY and PY into single quantity YLD. Remainder of reaction code should be sufficient to distinguish these.

Dictionary 29: Modifiers

RAW  
REL  
FCT  
AV

Dictionaries 16-23

The introduction of six character codes introduces complications into all our processing codes. We do not see the need to expand to six characters, since the limit of intelligible 5-character codes is not anywhere near being reached.

The purpose of the codes is to be machine identifiable. The use of easily recognizable codes is meant to help the compiler, not the user.

Dictionary 24: (Data-heading Keywords)

There is presently an EXFOR proposal to drop the keywords RATIØ (and associated keywords). This was needed in EXFOR for use with the ISØ-QUANT separator ', ' which allowed a ratio and its normalized cross section to be coded in the same entry. With the addition of pointers, there is no longer a need for distinguishing between DATA and RATIØ. This would also pertain to the keyword SUM.

  
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