

BROOKHAVEN NATIONAL LABORATORY

MEMORANDUM

CP-C/152

DATE: October 18, 1985  
TO: Distribution  
FROM: V. McLane *VM*  
SUBJECT: Family Flags

As agreed at the NRDC Meeting in Paris, we propose the following family codes to be included to Dictionary 25.

ELEMENT	I	(unchanged)
MASS	J	(unchanged)
ISOMER	J	
N-OUT	O	
P-OUT	P	

Attached are the proposed manual updates.

VMcL:anl  
Enclosure

Distribution

F. E. Chukreev	J. J. Schmidt
B. S. Ishkhanov	H. Tanaka
V. Manokhin	N. Tubbs
S. Pearlstein	NNDC (5)

d/f:10.3.1/CPC/CP-152

cc. Cullen  
Candarias  
Caulo  
Lammie  
Lemuel  
Okamoto  
Thomson  
Schmidt  
Schweizer  
Seitz

Cross-References by Data-Heading Keyword to Information-Identifier Keyword.

<u>Data-heading Keyword</u>	<u>Family*</u>	<u>see Information-Identifier Keyword</u>	<u>Page</u>
EN	A	REACTION	6.6
EN-DUMMY,KT		REACTION	6.6
		INC-SPECT	6.9
EN-NRM		MONITOR	6.8
EN-RES	C	REACTION	6.6
E	E	REACTION	6.6
E1,E2,etc.		EN-SEC	6.9
E-NRM		MONITOR	6.8
ANG	G	REACTION	6.6
ANG-NRM		MONITOR	6.8
MOM	M	REACTION	6.6
NUMBER	N	REACTION	6.6
DATA,RATIO,SUM		REACTION	6.5
STAND,MONIT		MONITOR	6.8
ASSUM,ASSUM1,etc.		ASSUMED	6.8
ELEMENT	I	REACTION	6.7
MASS,ISOMER	J	REACTION	6.7
N-OUT	O	REACTION	6.8
P-OUT	P	REACTION	6.8
HL	6	REACTION	6.6
HL1,HL2,etc.		HALF-LIFE	6.9
FLAG		FLAG	6.10
DECAY-FLAG		REACTION	6.7
		DECAY-DATA,RAD-DET	6.10
MOMENTUM L		REACTION	6.6
MISC,MISC1,etc.		MISC-COL	6.10
-ERR		ERR-ANALYS	6.9

\* As given by flag in Column 66 of Dictionary 24.

Dictionary 24. Data-heading Keywords

These keywords are used in the COMMON and DATA sections, as data headings for defining the contents of these fields.

No expanded form of the codes is given.

For rules concerning the sequence of fields, see page 5.8.

Column 66 is reserved for a flag.

This flag is used for checking purposes and defines the category and the family (or independent variable type) within each category, according to the scheme in the following table.

Family	FLAGS		Category
	Variables	+Associated Quantities	
Incident Energy	A	B	1
Resonance Energy	C	D	
Secondary Energy**	E	F	
Angle of outgoing particle	G	H	
Product Charge	I	*	
Product Mass	J	*	
Neutrons out	O	*	
Protons out	P	*	
Coefficient number	N	*	
Linear Momentum	M	*	
THICKNESS	K	*	2
FLAG	Z	*	
TEMP	8	9	
HL	6	7	
J	4	*	
L	2	*	
Parity	0	*	

\* No headings exist.

\*\* Except E-LVL-INT and E-LVL-FIN

+ Associated quantities are those Data-Heading Keywords which contain the characters ERR or RSL.

Category 1 pertains to independent variables.

Category 2 pertains to additional information which in certain cases may act as an independent variable.