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DATE: December 2, 2002
TO: Distribution
FROM: V. McLane
SUBJECT: CINDA Exchange Format Updates
I. Codes MANY and FPROD
II. Reference type * and date of update

I. Codes MANY and FPROD

Since there may be some lines left in the CINDA database containing the codes FPROD and MANY, these must be translated to the CINDA2001 format.

I suggest for MANY we use a Z of 999 (or some other unlikely atomic number), and MNY in the A field.

For FPROD, we can either also a Z of 999 with LFP in the A field, or use the Z of the nuclide from which the lumped fission products were generated.

The codes 999-*-LFP (or 92-U-LFP) and 999-*-MNY would be added to the compounds and mixtures dictionary.

As a corollary to this: When I checked the area 1 entries for FPROD, most of the experimental and many of the other lines were for measurements on many fission products and not measurements on lumped fission products. So I will have only a few lines to be translated to the new format.

Distribution

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II. Reference type * and date of update

I am proposing a slight modification to the CINDA2001 exchange format in order to accomplish adding 2 new fields on a 132-character record. The solution would involve reducing the reaction field from 15 to 12 characters (I looks as if that would be enough with the new simplified codes, and shifting the remaining fields of the present format to the left.

Proposal 1) Include the date of last update. This would be added in columns 125-132 as an 8-digit integer.

Proposal 2) As an alternate proposal for using the code * for CINDA and not for EXFOR, convert the * code in the reference type field to either C or J, as appropriate to the code given in the reference field, and add the abstract code * to column 124.

To further elaborate on this second proposal and to have the reference code correspond to the appropriate dictionary, I suggest the following.

- Split Dictionary 7 (Book and Conference Codes) into 2 separate dictionaries. (I'm not sure why they were originally put together as one in any case.)
- Have the reference flag always correspond to a given dictionary on a one to one basis.
- Introduce Col. 124 flags to differentiate the content. To accomplish this, I suggest the addition of the Content flags * (abstract), C (conference papers), P (progress report) or S (preprint) to be used as given in the following table.

Current Reference Code	Proposed Reference Code	Proposed Content Code
J	J	
*	J or C	*
C	C	
S	R	C
R	R	
P	R	P
B	B	
T	T	
W or	W	S