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Memo CP-C/245

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TO: Distribution
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SUBJECT: CINDA2000 index
CINDA2000 Manual (Preliminary Version)

While Mark Kellett was visiting the NNDC, he and I went over the CINDA2000 format. Attached is the format which was designed as a result of those discussions. The condensed exchange format given in Memo CP-C/234 has been replaced by an expanded format which is similar to the example given in that memo. An example of some entries in the new format is attached, as is a preliminary version of the CINDA2000 Manual.

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CINDA2000 Exchange Format

A new exchange format was designed based on the expanded format given in Memo CP-C/234. The reader files will be transmitted in the exchange format.

The main modifications to expanded format since Memo CP-C/234 are:

1. Record width set to 124 characters. Many unnecessary spaces and characters have been eliminated.
2. Hierarchy codes have been modified.
3. The record containing reaction products has been modified: record type 8.
4. A laboratory cross reference record has been added: record type 9.

The fields are as follows.

Columns	Contents	Formats	Example
1	Operation code	A1	As in CINDA
2-8	Z,A	2I3	ZZZAAA
9-23	Reaction	A15	Generally, EXFOR REACTION SF3,SF4
24-30	Quantity	A7	Generally, correspond to EXFOR quantity
31-36	Laboratory	A6	EXFOR code without area code
37-40	Block #	A1,I3	Area code, followed by center assigned block #
41-42	Sequence #	I2	Sequence within block
43	Work type	A1	As in CINDA ¹
44	Reader code	A1	At discretion of center (blanks allowed) ²
45-58	Energy range	2(E7.1)	Min + max in format: +n.n+ee
59	Hierarchy code	I1	Hierarchy for references
60-88	Reference	A23,I6	Type: as in CINDA (A1), Reference code: as in EXFOR (A22), Date: year and month (YYYYMM)
89-124	Comment	A36	As in CINDA

¹ With the exception that the mixed mode codes will be eliminated. For example, entries for theoretical calculations will be separated from experimental data.

² That is, centers may choose not to use a reader code.