

Memo 4C-3/187

To: Distribution
From: H.D. Lemmel *Lemmel*
Subject: CINDA 76/77 Suppl. 1

23 November 1976

The Cinda file for the Supplement book has been processed successfully, and the films have gone to printing.

From a superficial look at the pages we have the following comments:

1. The page numbers did not get centered correctly at the bottom of the pages, due to a processing error for which we apologize. (This is to indicate that we do not always only criticize the mistakes made by the other centers.)
2. Some of the Conf-References in the file have the Ref-Type "A". In such cases, according to earlier agreement, our program does not edit the reference. Therefore, the book shows sometimes correctly

72Kiamesha 2 1107

and sometimes incorrectly

72KIAMES 21107.

We do not know, which purpose the ref-type "A" has and request that this should no longer show up in tapes for book production.

3. The Foster data for 3-Li-7 TOT show PR/C 3 576 2/71 as main reference, and NIM 36 1 9/65 as secondary reference with the Comment "Superseded". This seems to be one of the cases pointed out by NDCC, where the word "superseded" is wrong, since the method information from this paper seems to be valid and important. The comment should probably be "EXPTL DETAILS, NDG". The corresponding data in Exfor 10047.004 refer to 3-Li-0. Thus, either the data for 3-Li-7 are still to be transmitted, or the Cinda entry should be changed from 3-Li-7 to 3-Li-0.
4. There are a number of Exfor lines in the file without a reference line. In general, this should not be permitted, since every Exfor entry must have a reference, at least a private communication. Can NDCC retrieve such lonely Exfor lines and send the retrievals to the responsible center for correction? Also at input time lonely Exfor lines should release an error message.
An example is 4-Be-9 DKE EL, where a lonely Exfor line indicates the total elastic cross-section as deduced from differential data, but the reference has been entered under DEL only. Thus, for DEL the data are missing in Exfor, and for EL the reference is missing in Cinda. This indicates an insufficient cross-checking between Cinda compilation and Exfor compilation.

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5. For the reference KFK-2233 1 D/75 many duplicate entries have been made for the quantity DIN: when for a given nuclide 7 levels have been considered, 7 entries were made, one for each level, instead of a single entry with the comment "7 LEVELS". This duplication jumps into the eye on several Cinda pages for several nuclei. It could have been avoided by a duplication check program, which seems to be very important for a Cinda cleanup. In general, a warning message should be printed, when the file contains two lines which are identical in S,A,Data-Type, Reference, although in certain cases legitimate duplicates may occur. Can such a check be programmed at NDCC?

These cases were spotted quite incidentally. But they may be typical and give some hints for the further clean-up work.