·DAT/324-0

MEMO CP-C/32

Date: February 10, 1978

From: V. McLane   *Brookhaven Ncl. Lab.*

Subject: Proposed LEXFOR entry on Data type

        Enclosed is a proposed LEXFOR entry on Data type including
a write-up of our proposed addition of the data type 'DERIV' (see
CP-C/23.).

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Data type

The last subfield of the REACTION keyword (SF9) contains a code to indicate whether the data given are experimental, theoretical, evaluated, etc. If the data are experimental this field may be omitted.

All data specified under the -QUANT keywords are assumed to be experimental.

Derived Data

Data which are not derived from the experimental data by the most direct method, but are, instead, calculated from other data obtained in the analysis of the experimental data, should be entered using the code 'DERIV' in SF9 (Data type) of the REACTION keyword code.

Cross reference to the data from which the value is derived should be entered under the STATUS code 'DEP', see STATUS.

At present, the following types of derived data may be entered in EXFOR:

- resonance integrals derived from resonance parameters or energy-dependent cross sections.

- thermal cross sections calculated from resonance parameters.

- angular distributions calculated from fitting coefficients.

Note: Only values derived by an experimentalist from his own data should be entered.