BROOKHAVEN NATIONAL LABORATORY

MEMORANDUM

MEMO CP/C-144

DATE: July 2, 1985

TO: Distribution

FROM: V. McLane *VM*

SUBJECT: Gamma Spectra

Enclosed is a draft of a LEXFOR entry for <u>Gamma Spectra</u> as proposed at the Technical NRDC Meeting last October.

The centers are reminded that old entries should be looked at to see if they conform to these specifications.

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VMcL:anl
Enclosure

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d/f:10.3.1/CPC/CP-C-144

Gamma Spectra

Data to be compiled in EXFOR

Neutron capture gamma-ray spectra are not given high priority and whether they are coded in EXFOR is left to the discretion of the individual data centers.

1. Intensities of gamma lines

    REACTION code: (----(N,G)----,,SPC)
    Unit type: SPC (e.g., GAM/100N)

    Relative measurements require the addition of the modifier 'REL' and units 'ARB-UNITS'.

2. Continuous spectra of unresolved gammas

    REACTION code: (----(N,G)----,,DE)
    Units type: DE (e.g., MB/MEV)

    The gamma ray energy range is coded under the data headings E-MIN and E-MAX.

3. Partial radiation widths

    REACTION code: (----(N,G),PAR,WID)
    Unit type: E (e.g.,EV)

    The gamma-ray energy is coded under the data heading 'E'.

    See also Single-Level Resonance Parameters