

DAT/324-0

BROOKHAVEN NATIONAL LABORATORY

MEMORANDUM

Memo CP-C/118

DATE: March 21, 1984

TO: Distribution

FROM: V. McLane *VM*

SUBJECT: Delayed Neutron Emission Probabilities

We have had requests to begin coding delayed neutron emission probabilities. According to current practice, these are coded using the quantity code DL/PAR,NU. This is not a correct use of the branch code 'PAR', therefore, we think this quantity code should be reserved for delayed neutron groups. We propose instead one of the following:

1. The addition of the parameter code PN to dictionaries 32 and 36. We prefer this format as it has the advantage of using the common nomenclature for this quantity.
 PN FY Delayed neutron emission probability
2. The addition of the following quantity code to Dictionary 36.
 DL,FY/NI FY Delayed neutron emission probability.

INFORMATION ²

84103/2R

ACKNOWLEDGEMENT

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|--------------------------|--------------------|
| ORIGINAL TO: | <i>J. J. Kelly</i> |
| FORWARD TO FILE STATION: | |
| ENCLOSURES TO: | <i>/</i> |

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Proposed LEXFOR Entry:

Delayed-Neutron Emission Probabilities

REACTION Coding: (.....(N,F) ELEM/MASS,,PN)*

Yield of delayed fission neutrons associated with an individual precursor. Data should be coded with the precursor nucleus as an independent variable under the data headings ELEMENT and MASS. Data units are given in percent per fission (PC/FIS).

* Alternately: (.....(N,F) ELEM/MASS, DL,FY/NU)



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