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Memo CP-C/209

DATE: February 16, 1995
TO: Distribution
FROM: V. McLane
SUBJECT: Fission product yields for more than one product

We have previously proposed the addition of the data headings ELEM1, ELEM2, and MASS1, MASS2, to link the Z and A of a fission product when the product yield has been measured for a sum of two products.

We are presently compiling the data from an experiment which measures the correlated yield between two fragments; that is, the yield of the fragment pairs $^{138}\text{Ba}-^{104}\text{Mo}$, $^{138}\text{Ba}-^{105}\text{Mo}$, etc. We now need a way to distinguish these from the sum of two fission product yields.

I suggest the addition of a new parameter code CRL = correlation which could then be used in combination with other parameter codes, and would allow for the introduction of other combinations into Dictionary 36, as the need arises, without having to continually introduce new parameter codes (such as, COR, MCO, ECO).

Please add to Dictionary 32 (Parameters)

CRL correlation

Please add to Dictionary 36 (Quantities)

IND, FY/CRL independent yield of correlated fragment pairs

cc. Arulla
hammer
Lemmel
Obolozinsky
Pastuchenko
Schwees
Wienke