

Whinnit

Memo 4C-4/I3

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Subject: Fission product quantities

On the basis of the suggestions contained in 4C-Memo: 4/9, 2/I4, 3/I9, I/I2, 3/29 and in accordance with the desires of the last 4-centres meeting we propose to introduce into EXFOR the additions:

I. To include into exchange between the 4-centres the following types of experimental data:

- a) the mass-distribution for fission-fragments (products),
- b) the charge distribution for fission-fragments (products)
- c) the abundances of delayed neutron-groups emitted at fission.

The typical data were published:

- a) Kuzminov V.F. II, (2), 297, 1970;
- b) Wahl, Phys. Rev., I26, III2, 1962;
- c) Maksyutenko, ICD, 4, 363, 1967.

II. The following codes should be introduced in EXFOR dictionaries.

Dictionary II

- DM Differential with nuclear mass
- DZ Differential with nuclear charge

Dictionary I2

DIS dispersion

Dictionary I3

FP Fission product

Dictionary 24

HALF-LIFE Half-life  
M-VAL Mass-value

Dictionary I4

NF, DM, FF Mass distribution of fission-fragments  
NF, DM, FP Mass distribution of fission-products  
NF, DZ, FF Charge distribution of fission-fragments  
NF, DZ, FP Charge distribution of fission-products  
NF, DZ, AV, FF Average charge of fission-fragments  
NF, DZ, AV, FP Average charge of fission-products  
NF, DZ, DIS, FF Charge dispersion of fission-fragments  
NF, DZ, DIS, FP Charge dispersion of fission-products  
NF/NU, DL Delayed NU - BAR  
NF/NU, DL/PAR Delayed NU, special group

NU, DL, PAR

Notes

I. The following determinations should be introduced into  
Compiler's Manual:

Fission Product (FP) - fission fragments after prompt  
neutron emission and

Fission Fragment (FF) - fission fragments before prompt  
neutron emission.