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Subject: Fission product quantities -
 4-C Memos 4/9 and 3/19

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In accordance with the postscriptum of 4-C memo 4/24, we propose for discussion at the October Four-Centre meeting the following :

Additions to dictionary 11

DM Differential with nuclear mass
 DZ Differential with nuclear charge

Addition to dictionary 12

DIS Dispersion

Addition to dictionary 13

FP Fission product

This would permit the coding of the following quantities :

| | |
|--------------------------|---|
| (NF/CS ,DM,,FF) | Neutron-induced cross-section for a given fission fragment |
| ((NF/CS,DM,,FF)/(NF/CS)) | Mass distribution of fission fragments |
| (NF/CS,DM,,FP) | Neutron-induced fission cross-section for a given fission product |
| ((NF/CS,DM,,FP)/(NF/CS)) | Mass distribution of fission products |
| (NU,DM,DL) | Delayed $\bar{\nu}$ from all fission fragments having the same mass |
| (NU,,DL) | Delayed $\bar{\nu}$ |
| (NU,,DL/PAR) | Delayed $\bar{\nu}$, special group |
| (NF,DZ,AV) | Average primary charge of fission fragments having the same mass |
| (NF,DZ,DIS) | Primary charge dispersion of fission fragments |

However, we still feel that the subject should be discussed in its entirety (see, for example, the large number of different codes needed to compile information as published in the proceedings of 65SALZBURG and 69VIENNA). This would certainly help to avoid embarrassment in the future (e.g. the necessity for more than two codes in a sub-field, etc.). Can anyone propose an EXFOR code for the average primary charge for all fission fragments and the assymetry (peak to valley ratio of mass distribution), both codes belonging to the same sub-group of fission product quantities?

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