

*The tasks to be performed during the CRP are:*

- 4a Study the problem of multiple chance fission at higher energies and find solutions how to account for it in systematics and calculated yields.
- 4b Study the differences between neutron and charged particle induced and photofission reactions, the possibility of and corrections needed for their combined use in systematics.
- 4c Study cascade and evaporation models used for higher energies, together with the models developed during the previous CRP:
- 4d Goverdovsky's model for the energy dependence of yields,
- 4e Wahl's mass and charge distribution models, and
- 4f Rudstam's isomeric yield model.  
Elaborate the necessary adaptations of models and parameters.
- 4g Analysis of the experimental data for neutron, photon and charged particle induced fission with respect to their use in the development of the above models.
- 4h Performance of selected key measurements.
- 4i With the results of all these studies, develop systematics for the dependence of fission yields on  $(Z,A)$  of fissioning nuclides and neutron energies up to 150 MeV.
- 4j Recommend a specific computer program (possibly that of A. Wahl after adaptation) and parameter database for use in actual yield evaluations.

*Further tasks:*

- 4k Evaluation of further reference yield sets and yields for monitor fission products.
- 4l Checks for discrepancies among evaluations.
- 4m Assessment of accuracy of applied transmutation calculations.