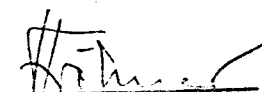


MEMORANDUM 4C-2/43

Date: 23rd July 1973
 From: Fritz Fröhner
 Subject: Comments on J.R. Stehn's letter to editors (4C-1/34)

We apologize for being late, and propose the following changes :

- Paragraph 2: Replace the first sentence by "These centers systematically acquire and compile all published experimental cross section and other related data on nuclear reactions involving neutrons".
- Paragraph 3: Replace "The neutron data.... services your area" by "The neutron data obtained during this work are available from the Four Neutron Data Centers:."
 Replace "For the OECD countries and Japan" by "For European OECD countries and Japan".
- Paragraph 4: Shorten "The experimental neutron data currently ... are not being compiled at present" to "The data currently compiled and exchanged by the Four Centers are :
- all cross sections for neutron-induced reactions (total, partial, differential, double-differential, etc.), and also integrals and averages over various impinging neutron spectra;
 - related data such as scattering amplitudes, cross section ratios (e.g. the capture-to-fission ratio α) and the average number of neutrons emitted per spontaneous and neutron-induced fission;
 - resonance parameters (energy, spin, parity, widths) for each resonance in neutron interactions, averages thereof over many resonances, and strength functions".
- Paragraph 5: Begin third sentence by "Unfortunately, the information necessary ..." instead of "The information necessary ..." and follow Obninsk proposal (4C-4/22) with respect to items 1. to 4.


 Fritz Fröhner

Distribution

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