

(資料)

Nuclear Data Centers Network Document

への報告書

Report to Nuclear Data Centers
Network Document

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昨年、春および秋の2回にわたって開催されたIAEA"Advisory Group Meeting"で議論された核データ国際ネットワークの再編のDocument作り到我々のグループから提出した報告書を再録する。この報告書は、加藤、能登が原案を作り、NRDF管理運営委員会です承されたものである。更に、NRDF助言委員会にも図られる予定である。

Japan Charged-Particle Nuclear Reaction Data Group

• Background

A research project to compile Charged-Particle Nuclear Reaction Data was initiated in 1974, which was approved by the Theoretical Nuclear Physics Society and the Experimental Nuclear Physics Society in Japan. When starting this project, a work-sharing was agreed with the JAERI Nuclear Data Center, that this study group is in charge of Charged-Particle Nuclear Reaction Data and JAERI in charge of Nuclear Neutron Data.

The original database called NRDF (Nuclear Reaction Data File) was devised by the study group under the sponsorship of the Japanese Ministry of Education, Science and Culture through the Grant-in-Aid for Scientific Research. With data-storage and data retrieval functions added to the original NRDF system, the project developed from the researching and testing stage to the practical working stage of data compilation and data dissemination in 1987. Since this year the study group was reorganized to the Japan Charged Particle Nuclear Reaction Data Group which is abbreviated as JCPRG and has been assigned regular annual budget to the Nuclear Physics Laboratory, Department of Physics, Hokkaido University by the Ministry of Education, Science and Culture.

The basic aim of JCPRG activities is to construct and to provide an academic-oriented database according to an original and unique format by compiling and storing all charged-particle nuclear reaction data produced with Japanese accelerators. As international contributions of distributing the accumulated charged-particle nuclear reaction data for use, JCPRG transforms parts of NRDF to EXFOR format and send them to IAEA NDS.

JCPRG consists of an "Advisory Committee" and an "Executive Committee". The Advisory Committee comprises 12 members from main nuclear laboratories and institutes in Japan. The Executive Committee is responsible for the yearly activities to be carried out by JCPRG under the guidance and suggestion of the Advisory Committee.

- Status

- Type of institute: Nuclear Physics Laboratory, Department of Physics,
Hokkaido University
(Office of Executive Committee)
- Member countries: 1 (Domestic)

- Staff and Programmes

- Members of Executive Committee: 7 "nuclear physicists" and 1 "information scientist"
- Allocated to JCPRG Office: 2 "nuclear physicists" plus 1 secretary
- Part-time: 6 "nuclear physicists" (in 1993)
- Fiscal year: From April to March
- Budget cycle: One year

- Activities

- A. Within the Network:

- 1. Services:

- On-line retrieval service of EXFOR index and dissemination of the data to Japanese users

- 2. Reaction Data:

- Compilation of Charged-Particle Nuclear Reaction Data produced in Japan with NRDF format
 - Translation of NRDF data into EXFOR format
 - Contribution to the development of common formats for the computerized exchange of nuclear data

- 3. Structure and decay data:

- None

- B. Outside the scope of the Network

- On-line computer services of NRDF to Japanese users through the National Science Information Network
 - Publication of "NRDF Annual Report" for coordination and promotion of utilization of nuclear data

C. Unique responsibilities within the Network

- Compiling all charged-particle nuclear data produced in Japan and translating into EXFOR
- Providing charged-particle nuclear data service to Japanese users

• Signature _____

Hajime Tanaka
Head of JCPRG

Date _____