View of Nuclear Data Field between CNDC and JAERI/NDC

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Since China went out from a long cold winter and opened the door to the outside world, the Chinese Nuclear Data Center (CNDC) established contracts with IAEA/NDS, JAERI/NDC and BNL/NNDC in 1980. The first group of CNDC's scientists (my colleagues and I) visited JAERI/NDC and some universities in other cites ten years ago. All of us were impressed by your tremendous achievements. Since then we exchanged information and visited each other frequently. In last November, I visited JAERI again to attend "the 1990 symposium on nuclear data", and met my old friends in Japan. I am so glad to say that the cooperation on nuclear data field has been developed more between CNDC and JAERI/NDC day by day. I congratulate your great progress and a lot of achievements in the past ten years.

Since the People's Republic of China became an IAEA member in 1984, the international cooperation and exchange have been increased between the CNDC and other nuclear data centers, especially between CNDC and BNL/NNDC as well as CNDC and JAERI/NDC. We obtained entire sets of evaluated neutron data of ENDF/B-IV, ENDL, JENDL-2, INDL/V and quite a lot of EXFOR experimental data as well as some programs from IAEA/NDS and OECD NEA Data Bank. We have also sent some neutron data evaluated or measured in China to IAEA/NDS and some codes to the NEA Data Bank. It is obvious that international cooperation and exchange have promoted nuclear data activities in China and also created a proper channel for us to make contributions to international nuclear data activities.

Japan and China are neighbor and have traditional culture friend-ship. I believe that our cooperation will contribute much more developing nuclear data field. As you know, since I visited JAERI/NDC in 1980, Chinese scientists started to exchange information and visited JAERI/NDC. They are as follows:

 Drs. Wang Dahai et al. visited JAERI and attended "the 1985 seminar on nuclear data".

- 2. Dr. Liu Tingjin visited JAERI as an STA exchange scientist in 1986 (five months).
- Dr. Cai Shaohui visited JAERI as an STA exchange scientist in 1988 (six months).
- Dr. Tian Dongfeng visited JAERI as an STA exchange scientist in 1989 (nine months).
- Drs. Yu Baosheng and Zho Yu visit JAERI as a STA exchange scientists in 1990 (one year).

They have done some works for JENDL-3 and also learned a lot from you. Japanese scientists who visited China are as follows:

- 1. Drs. K. Tsukada (1979, 1984).
- 2. Dr. K. Harada (1985).
- 3. Dr. N. Shikazono (1987).
- 4. Dr. I. Kimura (1983, 1985).
- 5. Dr. K. Sugiyama (1988).
- 6. Drs. Y. Kikuchi and T. Nakagawa (1990).

They introduced your works and discussed the cooperation between us. Through these visiting each other and work, the exchange and cooperation between CNDC and JAERI/NDC were promoted and made us closer and closer.

Through the nuclear data symposium in 1990, I found that you have done a lot of excellent research works in past years. All of these researches are interested for me, such as:

- Nuclear data evaluation, group constant generation, benchmark testing for JENDL-3, and its application in nuclear engineering.
- 2. Developing the special purpose files, extending nuclear data applications including activation and dosimetry reactions, radiation damage, photon nuclear reactions, and (α,n) reactions etc.
- 3. Nuclear reaction theory.
- 4. Cooperation in nuclear data activities.
- 5. Nuclear data needs for future (such as fusion research, accelerator, and shielding et al.).
- 6. The poster session showed many achievements on nuclear data, such as the double differential cross section measurements, some new experimental technology and new results.

I would like to say that the JAERI/NDC is an ideal place to work on nuclear data. These days, I discussed the cooperation and exchange with the Director of Department of Physics, JAERI and Dr. Y. Kikuchi (General Manager of JAERI/NDC). In order to promote the cooperation between us, I suggested further cooperation and exchange as follows:

- 1) Research of common interesting subjects.
- 2) Increase of scientists visiting each other.
- 3) The nuclear database and its application.

Finally, I appreciate very much for your kindness during my visiting JAERI. I, on behalf of CNDC, welcome more Japanese scientists to visit China to discuss work and to introduce your experience. I look forward to seeing you, my old and new Japanese friends, in Beijing.

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(編集委員会)