

# VIII NUCLEAR DATA NEWS

## ACTIVITIES AND COOPERATIONS ON NUCLEAR DATA IN CHINA IN 1991

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1 The following meetings were held by CNDC in 1991 :

“Specialist Meeting of Reviewing and Approving Nuclear Data Task and Topic for 1991~1992”, March 4~5, 1991, IAE, Beijing.

“Intercomparison Meeting on Evaluated Neutron Data”, March 21~22, 1991, IAE, Beijing. Comparison and analysis of the evaluated neutron data of CENDL-2 with ENDF / B-6 and JENDL-3.

“Coordination Meeting on Nuclear Data for Light Nuclides”, April 2~5, 1991, Changchun. Explored the method, discussed and assigned the future task.

“Workshop on the Direct Interaction”, April 23~27, 1991, IAE, Beijing. Exchanged and discussed the work and experience of theory, method and code on direct interaction for nuclear data theoretical calculations.

“Training Course on UNF Code” — fast neutron data calculations for structural materials, December 16~18, 1991, IAE, Beijing. Introduced the nuclear reaction theory about semiclassical multi-step process and the UNF code and practised on Micro-VAX-II computer.

“The Training Course on Evaluation of Covariance File”, December 19~21, 1991, IAE, Beijing. Introduced the development and typical examples on covariance evaluation, some methods and codes concerned, exchanged the experiences on covariance treatment.

“Nuclear Data Compilation, Evaluation and Theoretical Calculation Workshop on Charged Particle and Intermediate Energy”, December 11~14, 1991, IAE, Beijing. Introduced the development on CPND and discussed the theoretical calculation, and arranged the task in near future.

2 The international meeting held in China, in 1991

“Beijing International Symposium on Fast Neutron Physics”, Beijing, Sept. 9~13, 1991. Organized by IAE, Attended by 20 Scientists from 6 countries ( including USA, USSR, Japan, Germany, Belgium and Italy ) and 40 Chinese scientists

3 The following international meetings, workshops or training courses in the nuclear data field were attended by Chinese scientists in 1991 :

International Conference on Nuclear Data for Science and Technology, Julich, Germany, May 13~17, 1991.

IAEA Advisory Group Meeting on “Technical Aspects of Atomic and Molecular Data Processing and Exchange” — 10th Meeting of the A+M Data Center and ALADDIN Network, Vienna, Sep. 23~24, 1991.

A+M Data for Fusion Plasma Impurities, Vienna, Sep. 25~27, 1991.

The Research Coordination Meeting on Fission Yield Nuclear Data ( 1st RCM ), Vienna, Oct. 7~11, 1991.

11th Nuclear Reaction Data Centers Consultants’ Meeting, — IPPE / Obninsk, Moscow, USSR, Oct. 7~11, 1991.

Activation Cross Sections for the Generation of Long-lived Radionuclides (1st RCM), Vienna, Nov. 10~11, 1991.

FENDL-2 and Associated Benchmark Calculations, Vienna, Nov. 18~22, 1991.

IAEA Consultants’ Meeting on a “Reference Nuclear Parameters Library for Nuclear Data Computation”, Vienna, Nov. 13~15, 1991.

4 In 1991, 5 persons as visit scientists, fellowship of IAEA or STA program (Japan) worked in ENEA-Bologna Italy, ECN / Netherlands, JAERI / NDC, engaged in nuclear data evaluation, nuclear theoretical model study, code development and group constant generation as well as physical calculation of reactor engineering.

5 International cooperation projects during 1985~1991, we undertook ~ 25 IAEA projects (including nuclear data measurement, evaluation as well as theory calculation and processing method study on nuclear data). The technical cooperation project—CPR / 1 / 004, “Development of Nuclear Data Library” was finished on time, the MICRO-VAX-II computer supported by IAEA have operated safely for 3 years and used successfully in nuclear data field at CNDC.

6 The following foreign scientists in nuclear fields visited CNDC / CIAE in 1991 :

July 16~25, 1991, Drs. B. D. Kuzminov, V. N. Manokhin, B. F. Fursov  
and V. V. Arkhangelsky ( IPPE / Obninsk, USSR ).

Sep. 11~20, 1991, Dr. G. Reffo ( ENEA-Bologna, Italy ).

Sep. 7~15, 1991, Dr. S. Chiba ( JAERI / NDC, Japan ).

Sep. 21~Oct. 6, 1991, Drs. Y. Nakajima and H. Takano  
( JAERI / NDC ).

Nov. 14, 1991, Drs. V. Volkov, G. Gulbekian, S. Dmitriev, Kutner  
( JINR / Dubna, USSR ).

Dec. 25, 1991, Drs. Yu. M. Gledenov, S. S. Starneslov, G. Hunhanhun  
( JINR / Dubna, USSR ).