

Workshop on Nuclear Reaction Data and Nuclear Reactors: Physics, Design and Safety

25 February - 28 March 2002

Miramare - Trieste, Italy

The International Atomic Energy Agency (IAEA, Vienna - Austria), in co-operation with the Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste - Italy), and the Ente per le Nuove Tecnologie, l'Energia e l'Ambiente (ENEA, Rome - Italy), is organizing a "Workshop on Nuclear Reaction Data and Nuclear Reactors: Physics, Design and Safety", to be held at the ICTP in Trieste from 25 February to 28 March 2002. The Workshop will be directed by Professors: A. Gandini (University of Rome/ENEA), M. Herman (IAEA, Vienna), A. Koning (Nuclear Research & Consultancy Group, Petten - Netherlands), J. Kupitz (IAEA, Vienna), and A. Trkov (IAEA, Vienna); with the assistance of Professor N. Paver (Istituto Nazionale di Fisica Nucleare and ICTP, Trieste).

The Workshop represents a unique forum, worldwide, where scientists and engineers can get extensive and up-to-date information on the whole 'know-how' behind nuclear reactor calculations, down to the physics of nuclear reactions. The format of the Workshop follows a successful pattern established by the previous activities in 1998 and 2000. Training is important, in this era of vanishing expertise and infrastructure due to low support in nuclear reactor activities, in view of better prospects for the revival of nuclear energy production and emerging innovative fuel cycle concepts for enhanced safety and radioactive waste incineration.

The objective of the Workshop is to train scientists and engineers from both developing and developed countries in modern nuclear reaction theory, nuclear data production and data use, with particular emphasis on applications in nuclear reactor physics, design and safety. The participants will be familiarised with the practical use of modern computer codes relevant to these topics. Furthermore, they will become familiar with the rapidly advancing information technology for retrieval of nuclear data, as well as the new trends in advanced nuclear systems for energy generation.

Scientists and engineers from all countries that are members of the United Nations, UNESCO or IAEA may attend the Workshop. They should hold a university degree in nuclear physics, nuclear engineering or related subjects and preferably have several years of professional experience in one of the main topics of the Workshop (nuclear reactions, nuclear data processing, nuclear reactor physics). Although the main purpose of the ICTP is to help scientists from developing nations through a programme of training activities within a framework of international cooperation, students and post-doctoral scientists from developed countries are also welcome to attend. As this activity will be conducted in English, participants must have an adequate working knowledge of that language.

As a rule, travel and subsistence expenses of the participants are borne by the home institution. However, limited funds are available for some participants from developing countries, to be selected by the organizers. Such financial support is available only for those who attend the entire activity. Every effort should be made by candidates to secure support for their fare (or at least half fare) from their home country. There is no registration fee to attend the Workshop. The closing date for receipt of requests for participation is 10 October 2001.

Information on the Workshop can be found on the Web server of the ICTP <http://www.ictp.trieste.it/> and of the IAEA Nuclear Data Service, <http://www.nds.iaea.org/>

Those wishing to participate should complete and return the "Request for Participation" form to be found at the back of the Bulletin (also obtainable via e-mail smr1398@ictp.trieste.it and by using as subject line "get announcement", or via WWW server <http://www.ictp.trieste.it/>) to:

the Abdus Salam International Centre for Theoretical Physics
Workshop on Nuclear Reaction Data and Nuclear Reactors
(c/o Ms. E. Brancaccio)
Strada Costiera 11
I-34014 Trieste
Italy

Telephone: +39-040-2240284/Telefax: +39-040-224163
E-mail: smr1398@ictp.trieste.it

ORGANIZERS:

A. Gandini
(University of Rome/ENEA - Italy)

H. Herman
(IAEA, Vienna - Austria)

A. Koning
(Nuclear Research &
Consultancy Group,
Petten - Netherlands)

J. Kupitz
(IAEA, Vienna - Austria)

N. Paver
(INFN and ICTP, Trieste - Italy)

A. Trkov
(IAEA, Vienna - Austria)

Deadline:

10 October 2001