



The Abdus Salam  
**International Centre  
for Theoretical Physics**  
50th Anniversary 1964–2014



## ***Joint ICTP-IAEA Workshop on Nuclear Reaction Data for Nuclear Power Applications***

***22 - 26 September 2014***  
*(Miramare - Trieste)*

The Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) and the International Atomic Energy Agency (IAEA, Vienna, Austria) will jointly organize this Workshop to be held at the ICTP in Trieste from 22 to 26 September 2014. The Workshop will continue a long tradition of workshops on nuclear theory initiated in late sixties.

The Workshop represents a unique forum where nuclear scientists and engineers can get extensive and up-to-date information on the whole 'know-how' of nuclear data, from the physics of nuclear reactions to the production and validation of evaluated nuclear data files. In the era of vanishing expertise and infrastructure due to low support for nuclear reactor activities, this type of training is important, particularly in view of challenges posed by emerging innovative fuel cycle concepts, enhanced safety requirements and radioactive waste incineration.

The purpose of the Workshop is to train scientists and engineers from both developing and developed countries in modern nuclear reaction theory, nuclear data production and validation, and data use, with particular emphasis on applications in nuclear reactor physics, design and safety. Participants will gain an overview of modern computer codes relevant to these topics. Furthermore, they will be introduced to the online retrieval of nuclear data.

***PARTICIPATION:*** *Scientists and engineers from all countries that are members of the UN, UNESCO or IAEA can 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). As the activity will be conducted in English, participants should have an adequate working knowledge of this language. Although the main purpose of the Centre is to help researchers from developing countries, graduate students and post-doctoral scientists from developed countries would equally benefit from the workshop and are also welcome to attend. Due to organizational reasons, the total number of participants is limited.*

*Limited funds are available for some applicants from developing countries, to be selected by the organizers. Such financial support is available only to those who attend the entire workshop. Every effort should be made by candidates to secure support for their fares (or at least half-fare) from their home country. There is no registration fee for attending the Workshop.*

### **HOW TO APPLY:**

**The online application form for this Workshop is available at:**

[http://cdsagenda5.ictp.trieste.it/full\\_display.php?smr=0&ida=a13220](http://cdsagenda5.ictp.trieste.it/full_display.php?smr=0&ida=a13220)

### **Workshop Secretariat (ref.: smr2605)**

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### **DIRECTOR**

***R. Capote Noy***  
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### **LOCAL ORGANIZER**

***C. TUNIZ***  
*(ICTP, Trieste)*

### **DEADLINE**

**4 June 2014**

ICTP Home page: <http://www.ictp.it/>  
IAEA Home Page: <http://www.iaea.org/>  
IAEA Nuclear Data Section Page:  
<http://www-nds.iaea.org/>