



## EFNUDAT – Slow and Resonance Neutrons

### Scientific workshop on Nuclear Data Measurements, Theory and Applications

Nuclear data for waste transmutation and advanced reactors

Budapest, Hungary

23-25 September 2009

Web: <http://www.efnudat.eu/>

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## Organization

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## Institute of Isotopes HAS

Our mission is to conduct internationally recognized scientific research in the fields of:

- interaction of radiation with matter (including neutrons, gamma-rays and electrons),
- isotope and nuclear chemistry,
- radiation chemistry,
- radiation protection and nuclear security,
- chemical reaction kinetics, and
- heterogeneous catalysis

## Important Dates (2009)

30 June	Deadline for abstracts
31 July	Notification for authors
15 August	Deadline for registration
23-25 Sept.	Workshop

# EFNUDAT - Slow and Resonance Neutrons

## Scientific Workshop on Nuclear Data Measurements, Theory and Applications

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### Scope of the workshop

The workshop will focus on nuclear data measurements using slow and resonance neutrons, their applications to the development of nuclear reactors and to waste management, and to the development of theoretical models of excitation and de-excitation. Presentations of facilities, experimental setups, and new data acquisition systems are also welcome.

### Topics

- Measurements of slow and resonance neutron capture cross sections
- New results for fuel, waste and structural materials
- Detection techniques
- Facilities and simulation of experimental setups
- Targets for capture experiments
- Theory of slow and resonance neutron capture
- Role of slow and resonance neutron capture cross sections in transmutation
- Simulation of de-excitation process

The workshop is meant to stimulate intensive exchange of knowledge and ideas. Invited

international experts will provide an overview of the main topics. Participating post-doctoral fellows and PhD students are encouraged to present their work.

The workshop is organised with the support of the EU FP6 I<sup>3</sup> European Facilities for Nuclear Data Measurements (EFNUDAT) project. The aim of the EFNUDAT Integrated Infrastructure Initiative project is to integrate European facilities for nuclear data measurements and to provide trans-national access to the facilities.

### Presentations

Oral presentations are 45 minutes for invited speakers and 25 minutes for other oral contributors. The Program Advisory Committee will inform participants about the form of their presentations, oral or poster.

### Abstracts and full contributions

The deadline for abstract submission is 30 June 2009, and full papers should be submitted during the workshop. A printed version of abstracts will be distributed to the participants at the registration. The proceedings will be published and distributed. An electronic version of the papers will be

made available later at the workshop website. Instructions for the abstract and the full paper can be found on the workshop website. Both should be submitted in electronic format according to the guidelines.

Participants will be informed of the acceptance of their presentations by 31 July 2009.

### Registration

Registration for the **EFNUDAT - Slow and Resonance Neutrons** will be opened in July. More information will be given on the workshop website.

The latest day for registration is 15 August 2009.

There is no registration fee.

### Accommodation and travel

II-HAS will reserve rooms in a hotel. For more details visit our website

We will be able to provide full support for about 30 participants from Member States, Candidate and Potential Candidate Countries.