

## SCHOOL REPORT

**School:** CETS2013

**Specific Title:** 8<sup>th</sup> Central European Training School on neutron scattering

**Dates:** 27-31 May 2013

**Venue:** Budapest, Hungary

**Organizer's Name:** László Rosta, Adél Len

**Organizer's Affiliation:** Budapest Neutron Centre, HAS Wigner Research Centre for Physics

**Total budget:**

**Maximum NMI3-II support:**

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### ***Scope***

The scope of the training is to provide insight into neutron scattering techniques and their application for studies on structure and dynamics of condensed matter. It sets up as scope to develop the experimental skills of the participants and to show them the art of the research on large scale facilities, as well as the interpretation of the results obtained in neutron experiments. An additional scope is to provide a forum for the presentation and discussion of actual research works of the young scientist, and to offer them the opportunity to discuss with the instrument scientists the possibility of using neutrons for their own research.

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### ***Students***

This year the majority of the participants were PhD students, interested in using neutron techniques for their investigations. We had an increased interest of students from India and Morocco.

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### ***Organisation***

The lectures and the practical work took place in the KFKI Campus, the main organizer was the Budapest Neutron Centre. The lecturers came from BNC and from other institutes, such as: ILL-Grenoble, JINR-Dubna, PSI-Viligen, Univ. of Vienna, HZB-Berlin.

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### ***Results***

Three fields of the results can be mentioned. Firstly: the theoretical lectures and practical work gave an introduction to the neutron techniques to the students, who were interested in learning about the techniques and to see and set up by themselves short and simple experiments. It was interesting to the students to get familiar of the samples preparation techniques and to see the sample environments of different stations. Secondly: the possibility of presenting a poster and discuss with the instrument scientists was also welcomed by the participants. Thirdly: new proposals were submitted to the BNC facilities.

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