

SCHOOL REPORT

School: FAN du LLB 2013

Specific Title:

Date: 2-5 Decembre 2013

Venue: CEA Saclay, France

Organizer Name: Menelle Alain

Affiliation Organizer: LLB (UMR12 CEA-CNRS)

Total budget: ~19000€

Maximum NMI3-II support: 500€

Scope

The aim of this annual 3.5 days school, delivered in French, is to provide young French speaking researchers with a first simple contact to real experimental neutron scattering. Students and post-doc working in all scientific areas where neutrons can provide valuable insights are welcome; those having not yet had any contact with neutrons scattering are selected in priority

Student

44 request of participation were received by the organizer that could welcome a maximum of 24 participants, and 23 did show up. The selection criteria were the following ones. The research project of the trainees should take advantage of the use of neutron scattering; we gave priority to young researcher having a permanent position or to students at the beginning of their thesis.

Organisation

Lectures and practicals took place at the Laboratoire Léon Brillouin in Saclay during 3.5 days (from Monday morning to Tuesday noon). Half a day was devoted to a general presentation of the installation and neutron scattering. Then students gathered in groups of 4 participants did spend 1.5 day on 2 different spectrometers where they were able to perform real neutron scattering experiments on their own sample. Each group was trained by an experimented local contact of the LLB.

Lodging was offered in the nearby town of Gif-sur-Yvette from Sunday evening to Tuesday morning. A bus ensures morning and evening transportation between Gif and Saclay. Lunches were taken on the Saclay centre and dinner in restaurants nearby in Gif-sur-Yvette.

Results

After a participation to the "Fan de LLB-Orphée", participants know where on internet, find a booklet describing the main features of neutron scattering. They have established contacts and are able to estimate if neutron scattering can provide interesting insight for their own research. They have learned how works these large research infrastructure. They are able to make use of them (write properly an experiment proposal) and take full benefit from them. 18 evaluation forms were collected.

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