

# Minutes of NMI3 PN JRA (WP19) meeting

11 May 2010, Barcelona, Spain

## Attendees:

1. A.Ioffe
2. O.Holderer
3. W.Häussler
4. A. van Well
5. PNPI (AI)
6. G.Badurek
7. A.Gukassov

## Agenda:

1. Welcome
2. Discussions of tasks
3. Workshop on Wide Angle Polarisation Analysis in Neutron Scattering (WAPANS 2010)
4. Management issues

1. Participants have been welcomed by Alexander Ioffe, JRA coordinator.

2. Discussions of tasks

### **Task 2: Development of wide-angle polarization analysis in neutron diffraction and spectroscopy**

Wide-angle polarisers are an essential one of the most important parts of all polarized neutron instruments to be developed/modernized in the frame of this JRA. To decide what way to go – 3He or supermirror analyzers, a workshop on “Wide Angle Polarisation Analysis in Neutron Scattering” was organized by the JRA (see §4 of these minutes below). The final decision on the type of polarizers to be used at LLB and FZj will be made at the end of the year.

### **Task 3: Further developments of Larmor labelling methods for inelastic neutron spectroscopy**

No actions are required as everything goes as planned.

The developments of the program for developments of most advanced correction elements for the NSE spectrometer with  $\tau=1\mu\text{s}$  was discussed.

### **Task 4: Further developments of Larmor labelling methods for SANS and reflectometry.**

Partners discussed the present day status of the task: no actions required.

### **Task 5. Developments of wide-angle neutron resonance spin-echo.**

FZJ defined the software to be ordered – «MagNet» from Infolytica.com – has much more reasonable price than ANSYS. As only it will be delivered, FZJ will schedule a scientist to get customized with it and to support other partners willing to use this program.

### **Task 6. Development of new polarized neutron techniques**

Partners discussed the present day status of problems: no actions required.

## 3. Workshop on Wide Angle Polarisation Analysis in Neutron Scattering (WAPANS 2010)

Wide-angle polarisers are one of the most important parts of all polarized neutron instruments to be developed/modernized in the frame of this JRA.

A special discussion on this problem took place at the WAPANS 2010, Workshop on Wide Angle Polarisation Analysis in Neutron Scattering, that was organized in the frame of the Polarized Neutron Joint Research Activity by the LLB partner (Arsen Gukassov) and the PN JRA coordinator

(Alexander Ioffe). Workshop has been held in Paris, International Education and Exchange Centre FIAP, 22 February 2010 with participation of representatives of commercial firms producing super mirror polarisers to consider all possible options.

**The workshop became a successful and very remarkable event: it was attended by representatives of all JRA partners as well as JRA observers. The workshop caused a vital interest in the word neutron community: many scientists from Australia, USA and Europe presented their activities in this field and participated in discussions.**

### **Participants**

Earl Babcock (JCNS)	Valeria Lauter (SNS)
Caely Beecham (ISIS/ILL)	Hans Lauter (SNS)
Markus Bleuel (TU Delft)	Hal Lee (ANSTO)
Steven Boag (ISIS)	Stephane Longeville (LLB)
Uwe Filges (PSI)	Sergey Massalovich (TUM)
Chris Frost (ISIS)	Steve Parnell (Sheffield Univ.)
Arsen Goukassov (LLB)	Axel Rupp (HZB)
Wolfgang Haeussler (TUM)	Lee Robertson (SNS)
Vladimir Hutanu (RWTH Aachen)	Andrew Sazonov (LLB)
Alexander Ioffe (JCNS)	Michael Schneider (SwissNeutronics)
Sergei Klimko (LLB)	Vladislav Syromyatnikov (PNPI)
Thomas Krist (HZB)	Ad van Well (TU Delft)

### **4. Management issues**

- The JRA website is running. Further participation of all partners in uploading relevant information is required.

- To treat some information confidentially, the password system was introduced. E.g. the meeting presentations are only available for the JRA participants.
- The 8<sup>th</sup> international workshop on Polarised Neutrons in Condensed Matter Investigations (PNCMI 2010) will be held in Delft, 5 - 8 July 2010  
Preceding the conference a polarized neutron school aimed for PhD-students and post-docs will be organized. The school will be at the [Reactor Institute Delft](#) from 28<sup>th</sup> of June till the 2<sup>nd</sup> of July. Lectures and hands on experiments will be done at the polarized neutron instruments. PN JRA will provide a logistic and financial support (fellowships for young researches/students in total amount up to 6000Euro).

A number of the involved in the JRA scientist will give lectures at this school.

- Next meeting – in a year, however depends on the decision of the date of next NMI3 General Assembly.