



### Training and Education

#### Towards the second phase of instrumentation of LAHN: We were visited by an expert in neutron reflectometry

Between August 11<sup>th</sup> and 27<sup>th</sup>, the CNEA hosted Dr. Michael Fitzsimmons, from Oak Ridge National Laboratory and leader of the Nanoscience Group at the University of Tennessee. Dr. Fitzsimmons gave two intensive courses on reflectometry of x-rays and neutrons, with special emphasis on nanostructured magnetic materials. He also delivered some lectures at the Bariloche and Constituyentes Atomic Centers about front-end research topics. LAHN team members had the opportunity to discuss instrument design aspects and technical details, in virtue of the extensive experience of Dr. Fitzsimmons in current instrumentation for reflectometry and sample environments. His visit was sponsored by the [Maldacena Program for Invited Lecturers at the Balseiro Institute](#), with the support of the LAHN Project and the [Institute of Nanoscience and Nanotechnology, INN](#).



### Outreach and Public Awareness

The LAHN was presented at the 6<sup>th</sup> Meeting of Young Researchers in Materials Science and Technology (JIM) held at INTI facilities on August 18<sup>th</sup>.



### International news

#### IUPAC 2017 rewards Professor Yvonne Mascarehnas

In the last congress of the IUPAC held in São Paulo, Brazil, Professor Yvonne Mascarehnas received the IUPAC-2017 Award for Distinguished Women in Chemistry or Chemical Engineering. The following link contains a brief review on the distinction to the career of our appreciated Professor Mascarehnas.

[Link to the website.](#)

We would like to highlight the collaboration of the professor Mascarehnas with the group that developed the high resolution neutron diffractometer of IPEN in São Paulo.

We join the Latin American Crystallography Association in congratulating Professor Yvonne Mascarehnas and the Brazilian crystallographers community for such an important distinction.



### Upcoming events

#### [Macromolecular Crystallography Workshop](#)

November 13 - 23, 2017, Montevideo, Uruguay

#### [9th Joint BER II and BESSY II User Meeting](#)

December 13-15, 2017, Berlin, Germany

#### [38th Berlin School on Neutron Scattering](#)

March 1-9, 2018, Berlin, Germany



### News from RA-10

The RA-10 project has launched a new video showing the impressive progress of civil works in the last semester. To watch it [click](#) on the picture.

In addition, the decay tanks (corresponding to the poolscooling system) are already in site as well as the tanks of the resin system. Both will be located in the -6m level of the building.





## UPCOMING CALLS FOR PROPOSALS

- ◆ **Neutron Scattering and Deuteration Proposals at the OPAL Reactor - September 15th 2017**, for beam time between January and June 2018 -

<http://www.ansto.gov.au/acns/>

- ◆ **Beamtime in diffractometer D1B (ILL)** through collaborations with Spanish researchers: **October 1st 2017** <http://spins.unizar.es> or contact Dr. Javier Capo at [jcam-po@unizar.es](mailto:jcam-po@unizar.es)

- ◆ **CERIC-ERIC Call for Proposals**

We offer access to nearly 50 instruments and two support laboratories, as well as the opportunity of getting support for mobility for two users and awards for high quality open access publications.

As usual, there will be two deadlines:

- **1st September**, 17hs CET, to have a pre-evaluation and the possibility to improve your proposal.
- **2nd October**, 17hs CET, recommended only for expert users of all the techniques requested.

Find more information here: <http://ceric-eric.eu/index.php?n=Users.Homepage>

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### Job offer Postdoc (m/f), second instrument responsible at MLZ

We are looking for a Scientist (m/f) (Postdoc (m/f), second instrument responsible) who will contribute to our in-house research programme and will actively take part in user support at the TOF neutron reflectometer REFSANS. Your research will be on corrosion and electrodeposition of metals at the solid-liquid interface, which is conducted in close collaboration with the Magnesium Innovation Centre MagIC of HZG in Geesthacht. The main experimental method will be neutron reflectometry.

Close cooperations with scientists at the MLZ in Garching and MagIC in Geesthacht are expected, international collaborations are highly encouraged.

Please send your application indicating job offer code no. 2017/WP 4 preferably by e-mail (as one pdf-file including CV, a statement of interest, and references) to [personal@hzg.de](mailto:personal@hzg.de). Any questions about the position can be directed to this address, too.

Closing date for applications is **September, 18 - 2017**.

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### 38th Berlin School on Neutron Scattering (1-9 March 2018)

We are pleased to announce that the '38th Berlin School on Neutron Scattering' will be held from 1st-9th March 2018 at the Helmholtz Zentrum Berlin in Germany.

For further details please visit our website <http://www.helmholtz-berlin.de/events/neutronschool/>

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### Vacancy for a Research Scientist position at ILL - (ref 17/18) - Diffraction Group

<https://www.ill.eu/careers/all-our-vacancies/job-vacancies/?L=0>

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### Vacancy for a Post-Doc position at ILL - (ref 17/ Post-Doc02) - Spectroscopy Group

<https://www.ill.eu/careers/all-our-vacancies/job-vacancies/?L=0>

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### Postdoctoral Position in Computational Physics (IRC241825) : Harwell, United Kingdom

We would like to bring to your attention an open Postdoctoral Position in Computational Physics. The project is a collaboration between Chalmers University, the European Spallation Source, ISIS Facility and the Niels Bohr Institute at the University of Copenhagen. The work will mostly be performed at the ISIS facility, where the position will be based.

For more details please check:

[http://topcareer.jobs/Vacancy/irc241825\\_7298.aspx](http://topcareer.jobs/Vacancy/irc241825_7298.aspx)