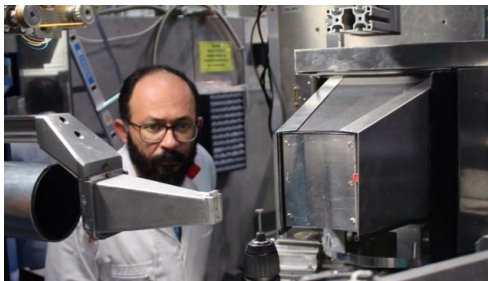




Training and Education

Stays abroad for technical training have been launched within the BEC.AR Programme

The BEC.AR scholarship Programme is an overseas training opportunity for professionals in fields that bear a strategic relevance for the Argentina's development. Three candidates from the LAHN Project have been awarded these scholarships and have started a nine-month stay abroad. They are Fernando Moreira, Gabriel Juárez and Manuel Suárez Anzorena; and they are being trained by neutron scattering and instrument development experts at Jülich and Garching in Germany.



Dr. Gabriel Juárez performing his first experiment at the STRESS-SPEC instrument of the FRM-II reactor, in Garching. Gabriel will spend nine months with the instrument scientists at STRESS-SPEC, which is the reference instrument for the ANDES diffractometer under construction in the LAHN Project.



Eng. Fernando Moreira working under the supervision of Dr. Romuald Hanslik in the Forschungszentrum Jülich, Germany. Fernando is collaborating in the mechanical design of instruments' components, such as a new polarizer for DNS in FRM-II and a collimator exchanger for the future T-Rex instrument in ESS.



Networking

The LAHN team visited several neutron scattering laboratories in Europe

During the past weeks, a delegation from the LAHN composed by its scientific and executive directors together with the intellectual capital manager, visited the main European neutron scattering research laboratories. Meetings were arranged with the Heads of the Leon Brillouin Laboratory (LLB) in Saclay, as well as the Institute Laue Langevin, in France. In addition, the official visit extended to the Paul Scherrer Institute (PSI) in Switzerland, the Berlin Helmholtz Centre (HZB) and the Heinz Maier-Leibnitz Centre (MLZ) in Germany.

LAHN signs its first international cooperation agreements

During the visit to the PSI and HZB Centers, cooperation agreements were signed between these institutions and the National Atomic Energy Commission (CNEA), with the objective of launching joint research activities as well as enhancing scientific and technical cooperation in the areas of peaceful uses of nuclear energy, neutron scattering research and instrumental development.



The LAHN executive and scientific directors, Karina Pierpauli and Javier Santisteban, together with Joel Mesot, director of the Paul Scherrer Institute and Alex Amato, deputy of the division of research with Neutrons and Muons (NUM), during the signature of the cooperation agreement between CNEA and PSI. Also in the picture are Florencia Cantargi, the intellectual capital manager of LAHN; and Michel Kenzelmann, responsible of the Laboratory of Neutron Scattering and Imaging at PSI.



LAHN Directors, Javier Santisteban and Karina Pierpauli with the scientific and executive managers of HZB Bernd Rech and Roland Steitz, respectively. During their meeting in Berlin, a cooperation agreement was signed between HZB and CNEA in the areas of research and development of materials for energy; as well as training and development of human resources.



Alain Menelle - Director Advisor of LLB - together with Javier Santisteban, Karina Pierpauli and Florencia Cantargi in the entrance hall to the french Orphee reactor, where the Leon Brillouin Laboratory (LLB) runs. The purpose of the visit was discuss future cooperation activities in neutron scattering techniques and staff training.



The seismic qualification tests were performed to the Reactor Protection System (SPR) and part of the Nuclear Instrumentation System (SIN) cabinet.

The casting of the concrete base slab at level -6mts () was completed. In the Neutron Guides building, the backfilling and compaction of soil was completed, and two layers of concrete were spread across the excavated area, preparing the surface for the casting of the base slab. The assembly of the ferrules for the reactor tank, service pools and decay tank was begun.



Calls and Job Offers

Postdoc for Instrument Scientist at Polarized Diffuse Scattering Time-of-Flight Neutron Spectrometer DNS at the Heinz-Maier-Leibnitz-Zentrum (MLZ) in Garching.

In addition to support the user operation and further instrument developments, potential candidates are expected to actively perform own research in a close cooperation with the JCNS Institute JCNS-2 in the fields of frustrated magnets and topological quantum materials, nanomagnetism and functional correlated electron materials.

Job for scientific software developer at MLZ Garching with long-term perspective at ESS DMSC Copenhagen to work on reflectometry or QENS analysis code

Oak Ridge National Laboratory (USA): Shull Fellowship

The Neutron Sciences Directorate at Oak Ridge National Laboratory (ORNL) <http://neutrons.ornl.gov> invites applications for the Clifford G. Shull Fellowship Program. The candidate must have completed their Ph.D. before his or her agreed upon start date. Qualified candidates must have received their Ph.D. no more than five years before the application submission date. Contact Steve Cherry at cherry@ornl.gov.

Swiss Government Excellence Scholarships for Foreign Scholars and Artists

The Swiss Government Excellence Scholarships are aimed at young researchers from abroad who have completed a master's degree or PhD and at foreign artists holding a bachelor's degree. to come to Switzerland to pursue research or further studies at doctoral or post-doctoral level. Research scholarships are awarded for research or study at all Swiss cantonal universities, universities of applied sciences and the two federal institutes of technology. More information [here](http://www.scholarships.ch). Those interested in applying to the Paul Scherrer Institute (PSI) please contact the LAHN project (lahn@cnea.gov.ar).

NIST: CALL FOR PROPOSALS

You are invited to apply for time on the neutron beam instruments at the NIST Center for Neutron Research. **The deadline for proposals is Wednesday, November 1, 2017.**

Three **Postdoc Positions in neutron imaging and diffraction** at the Nuclear Physics Institute of the Czech Academy of Sciences

§ software development for the analysis of time-of-flight neutron imaging and neutron diffraction data

§ contribution to the software platform for the engineering diffractometer BEER at the European Spallation Source ESS

§ planning and conducting experiments at neutron sources worldwide

§ close collaboration with institutes in Sweden, Denmark, Switzerland, Germany, United Kingdom and Japan.

Paul Scherrer Institut: Open Position for a Scientist in the Laboratory for Neutron Scattering and Imaging For the Neutron Spectroscopy Group within the Laboratory for Neutron Scattering and Imaging we are looking for a Scientist - Multiplexing Analyzer Spectrometer CAMEA

ISSE training school on soft-matter sample environments- NIST Center for Neutron Research— November 13 to Friday, November 17, 2017

ILL: Vacancy for a Post-Doc at Soft-Matter group - (ref 17/PostDoc10)



Upcoming events

- **Primer Encuentro de Jóvenes Investigadores en Ciencias de Materiales**, 13-14 April 2018, Montevideo, Uruguay.
- **14th Bombannes Summer School on "Scattering Methods Applied to Soft Condensed Matter"** - 19– 26 June 2018, Bombannes/ Carcans-Maubuisson, Gironde, France.
- **HERCULES 2018 - European School** February 25 - March 30, 2018 in Grenoble, France.
- **38th Berlin School on Neutron Scattering** - March 1-9, 2018, Berlin, Germany.
- **SXNS15: 2018 International Conference on Surface X-ray and Neutron Scattering** - July 15-19, 2018, Pohang Light Source, Republic of Korea.
- **Gordon Research Conference Scientific Methods in Cultural Heritage Research** - July 22-27, 2018, Castelldefels, Spain.