

EUROSCHOOL on EXOTIC BEAMS

Dubna, Russian Federation, 25 August–1 September 2013

FIRST CIRCULAR

The EUROSCHOOL ON EXOTIC BEAMS 2013 will be held at the Flerov Laboratory of Nuclear Reactions (FLNR), Joint Institute for Nuclear Research (JINR), Dubna, Russian Federation, from 25 August to 1 September 2013.

The website of the School can be found at <http://www.euroschoolonexoticbeams.be/> where a link to an online registration and a visa application forms will soon become available.

The email address for the School is: euroschool@kuleuven.be

The deadline for registration is May 31, and the deadline for visa application is 15 July, 2013.

The exotic nuclei are those which cannot be normally found on Earth among stable or long-living isotopes. It means they are rare and radioactive. The production of beams and the study of exotic nuclei and processes they are involved in have started over 30 years ago. These investigations enable scientists to synthesize thousands of even more exotic species and as well as to discover properties of exotic rare isotopes for better understanding of behavior of nuclei, fundamental interactions, new decay modes, and nuclear astrophysics.

The School is intended for PhD students and young postdoctoral scholars who start working in areas related to exotic nuclei. The studies traditionally consist of several lecture courses, practical courses, and visits to laboratories. The lectures are given by specialists in the field, starting from a basic level.

The School is an annual event that was initially funded by the EU and started off based at Leuven, Belgium, in 1993 (this year we celebrate its 20th anniversary!). The idea was to bring together leading and youngest scientists in a specific field. Since 2000, the School has travelled all over Europe. Each year the Euroschool on Exotic Beams attracts about 60 students all over the world. This year it is organized in Dubna, Russian Federation.

The 2013 edition of the Euroschool on Exotic Beams will cover general topics on the production of exotic nuclei, study of their properties, nuclear theory, and synthesis of superheavy nuclei. Students can contribute to the Euroschool by presenting a poster. The program also includes training sessions devoted to the use of the popular powerful NRV and LISE++ programs. Thus, we strongly urge students to bring their notebooks. A guided tour to Moscow is scheduled as well.

This School is supported by KU Leuven, GANIL, GSI, CERN, INFN, University of Jyväskylä, KVI, JINR, CPAN, and grants from JINR and FLNR directorates, which will be covering costs of accommodation, breakfasts, lunches, an excursion, and two evening receptions. However, to fully cover the costs, a fee of EUR 250 will be charged. Travel and evening meal expenses will not be covered. A limited number of travel grants are available after motivated request. In order to apply, please fill out the application form available on the website.

Programme & Lecturers for 2013:

O. Tarasov	MSU	Production of Exotic Beams
A. Popeko	FLNR	Superheavy Elements Experiments
V. Zagrebaev	FLNR	Superheavy Elements Reaction Theory
L. Grigorenko	FLNR	2-proton Radioactivity Theory
M. Pfützner	University of Warsaw	2-proton Radioactivity Experiment
T. Neff	GSI	Ab-initio Description of Atomic Nuclei
P. Thirolf	LMU, München	Laser Ion Acceleration

Master courses:

A. Karpov	FLNR	Nuclear Reaction Video
O. Tarasov	MSU	LISE++

Laboratory visits:

FLNR accelerators: U400, U400M, IC100, MT25
IBR-2 Pulsed Reactor
NUCLOTRON Accelerator Complex.

Board of Directors to the Euroschool (BoD):

- Dolores Cortina-Gil, Universidade de Santiago de Compostela, Spain
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Local Organizing Committee:

Andrey Popeko, Andrey Fomichev, Vladimir Ivanshin, Olga Korotchik, Leonid Grigorenko, Stanislav Pakuliak,.

Important dates:

In order to fulfill the goals of the School, the total number of participants has been limited to 60 people who will be selected from the pool of applicants.

31 May 2013: registration deadline

10 July 2013: participants will be informed

15 July 2013: deadline for visa application

5 August 2013: final circular

25 August 2013: start of the School

1 September 2013: end of the School

We are looking forward to seeing you in Dubna.

On the behalf of the Local Organizing Committee,

Andrey Popeko