



Shapes and Symmetries in Nuclei: from Experiment to Theory (SSNET) Workshop

First Announcement

March 15, 2016

We are pleased to announce the SSNET Workshop 2016. It will be hosted by the Centre de Sciences Nucléaires et Sciences de la Matière (CSNSM) in Orsay, France from November 7th to the 10th, 2016.

The workshop is aimed to strengthen the international collaboration between the nuclear structure physicists from France, Europe and other laboratories all around the world. It will allow fruitful discussions on recent experimental and theoretical aspects of nuclear structure, related to the manifestation and the description of the various shapes of the nucleus as well as broken symmetries.

Recent results obtained from various detection systems like AGATA, JUROGAM, GALILEO, GAMMASPHERE, GRETINA, GRIFFIN, TIGRESS, EURICA, INGA, AFRODITE as well as the most recent theoretical advances and their applications will be presented. The workshop is supposed to give an impulse to the studies of exotic modes of excitation in nuclei using new detector setups for gamma-rays and associated ancillaries. Presentations from young researchers will be favoured.

The program will consist of plenary presentations from invited speakers and contributions selected from submitted abstracts, as well as a poster session, on the following topics:

- ☐ Experimental studies of spherical and deformed ground and excited states in nuclei
- ☐ New facilities
- ☐ Methods and instrumentation
- ☐ Theoretical models for exotic collective excitations
- ☐ Theoretical models for exotic symmetries and uncertainties of modelling methods.

Important dates:

March 15th – Pre-registration and Abstract submission opens

May 1st – Registration opens

June 15th – Abstracts due

July 15th – Program of the workshop

Registration and abstract submission

The pre-registration and abstract submission will be open on March 15th. Abstracts should be submitted via the web interface, where an additional pdf file can also be joined. Those selected for oral presentation will be notified by July 15th.

Financial support will be available for a limited number of students and post-docs wishing to attend the Workshop. This can be requested on the registration form, and can cover local accommodation costs and/or conference fee.

The registration, the payment of the conference fee and the request for financial support will open on the website of the conference on May 1st. Details on the final registration procedure (including the payment of the conference fee) will be available on the website before the opening on May 1st.

See the website for details: <https://indico.in2p3.fr/event/12970>.

Conference fee

A moderate workshop fee of 150 Euros is asked. It covers partially the cost of the workshop gadgets, a book of abstracts on USB, refreshments at the coffee breaks, the welcome cocktail, the poster session cocktail, three lunches (Tuesday to Thursday), the transport, excursion and conference dinner at Paris.

Proceedings

The proceedings of the workshop will be published in an international journal. Detailed instructions for authors as well as templates in LaTeX or MS Word will be available online on the Web-page of the workshop.

Program

The workshop will start on Monday, November 7th and close on Thursday November 10th. The sessions will be held in the Orsay Campus in a place that will be indicated later.

A welcome cocktail will be offered on the evening of Monday, November 7th.

The poster session will be organized on Tuesday, November 8th.

The excursion and social dinner will be held in Paris on Wednesday, November 9th.

Venue and travel

The workshop will be held at on the Campus of the Paris-Sud University, Orsay, France. Orsay is located at around 25 km south-west of Paris. The Campus is accessible from Paris through RER B, station Orsay Ville (35 min from Châtelet).

□ **From Roissy airport :**

Take RER B direction Saint-Rémy-lès-Chevreuse. A train each 15 minutes. Get off at Orsay Ville.

□ **From Orly airport :**

Take Orlyval to Antony then RER B to Orsay Ville.

□ **From Paris-Gare de Lyon:**

Take RER A towards Saint-Germain-en-Laye. Change at Châtelet and take RER B towards Saint-Rémy-lès-Chevreuse to Orsay Ville station.

□ **From Paris by car :**

You can take the A6 / A10 through the exit of Orleans or the N118 from the Sèvres bridge. The exit to follow is "Orsay-Ville".

Accommodation:

The participants should make their own reservation. Information on possible hotels near the Orsay Campus can be found on the web-page of CSNSM

<http://www.csnsn.in2p3.fr/Hotels-Restaurants>.

The second circular will be available on the conference website and sent by e-mail around June.

We will be grateful if you bring this announcement to the attention of your colleagues.

Looking forward to see you in November at Orsay!

Chairs:

C. M. Petrache (CSNSM) – chair
J. Dudek (IPHC) - co-chair

Local organizing committee (CSNSM):

A. Astier
I. Deloncle
K. Hauschild
A. Korichi
A. Lopez-Martens
C.M. Petrache

Conference secretary:

Emilie Bonnardel, CSNSM, Orsay, France

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