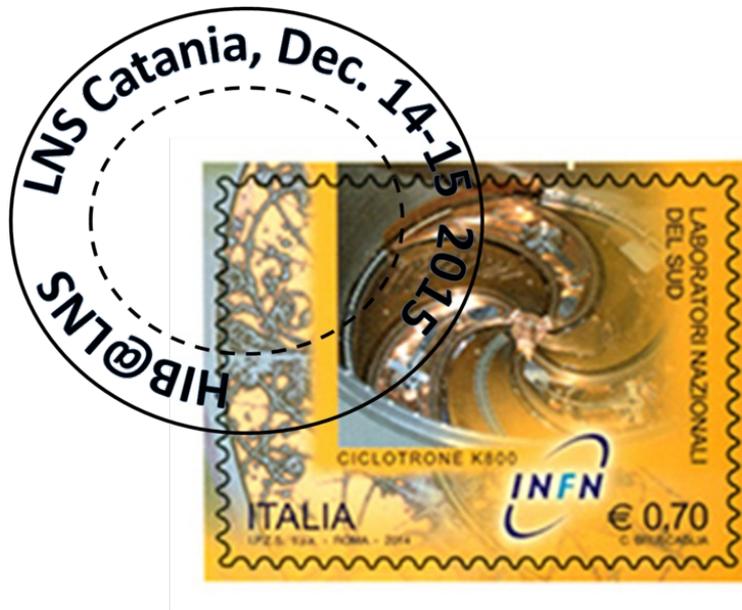


HIB@LNS – December 14-15, 2015 - Catania

SECOND ANNOUNCEMENT



We are pleased to announce the one-day International Workshop on High Intensity cyclotron Beam at LNS, HIB@LNS that will be held in Catania, Italy, on December 14th - 15th 2015. The workshop is promoted by INFN-LNS and INFN-Sezione di Catania. It is supported by LNS User's Committee and by the European Collaboration on High Intensity Stable Beams (ECOS).

This circular will be also available on the conference web site:

<http://www.ct.infn.it/HIB-LNS>

SCIENTIFIC PROGRAM AND FORMAT

The recent proposal to upgrade the Superconducting Cyclotron (SC) by increasing the beam intensity of two orders of magnitude with respect to the existing SC facility in Catania represents an important progress in the field of Heavy Ion reactions at Fermi energy with both stable and exotic beams and related applications. It is expected that different topics will benefit of this upgrade. Among these, it is important to mention the nuclear matrix element measurements in double exchange direct reactions and connection with neutrino physics, the in-flight production of medium - mass exotic beams by fragmentation reactions and connections with fragmentation reactions, transfer reactions, and clustering phenomena. Beside, possible overlaps with physics of heavy and super heavy elements productions are also expected.

A report of the meeting will be presented to the annual LNS 2015 users meeting in December. The scientific program will be focused on both experimental and theoretical aspects of HI collisions at medium energies with particular emphasis for special requirements of high intensity both stable and radioactive (In flight method) beams. In particular two main sections will be addressed as follows:

I) Nuclear reaction, dynamics, clustering phenomena and structure

II) HI collisions at Fermi Energy with In flight radioactive beams

The list of confirmed topics includes:

Direct reactions with stable and exotic beams, isospin physics, projectile fragmentation, cluster structure, detectors and related instrumentations:

**CHIMERA/FARCOS; FAZIA; MAGNEX ; MUST 2(speaker to be announced);
FRAGMENT SEPARATORS (@GANIL and @GSI), FRIBS@Ilns.**

The format of the workshop includes few invited topical talks, solicited talks, oral contributed presentations and posters. PhD students and postdocs are strongly encouraged to participate.

A preliminary list of confirmed speakers includes:

Clementina Agodi (INFN-LNS)

Marlène Assie (IPN-ORSAY)

Faiçal Azaiez (IPN-ORSAY)

Francesco Cappuzzello (INFN-LNS and Catania University)

Giuseppe Cardella (INFN-CT)

Alexis Diaz-Torres (ECT*-TRENTO)

Nicolas Le Neindre (LPC-CAEN)

Silvia Piantelli (INFN-FI)

Chiara Nociforo (GSI-DARMSTADT)

Danilo Rifuggiato (INFN-LNS)

GENERAL INFORMATION

HIB@LNS will take place at INFN – Main Conference Room at Laboratori Nazionali del Sud. The workshop will begin at 12:00 PM, Monday, December 14th (registration) and will end at lunch time on Tuesday, December 15th.

The local organization of the workshop is supported by Laboratori Nazionali del Sud, the Istituto Nazionale di Fisica Nucleare - Sezione di Catania and Dipartimento di Fisica e Astronomia of Catania University

CALL FOR CONTRIBUTIONS & REGISTRATION

Participants wishing to present a contribution may submit an abstract directly on the website. Oral and poster presentations will be selected by the organizing Committee and convener's Committee from the submitted abstracts. Proceedings of all contributions, including posters, will be published on the conference web site. **The deadline for abstract submission is November 10th 2015**

The workshop registration fee will be 120€, including coffee breaks, conference kit, lunches and social dinner on Monday evening 14th December. A special price of 25,00 Euro for the social dinner is requested for accompanying persons. On-site fee payments and social dinner can be accepted in cash or credit card.

There will be no fee for undergraduate and PHD students. **For deadline for registration and accommodation for more information, visit the website or write to HIB-lns@ct.infn.it**

ORGANIZING COMMITTEE

Giacomo Cuttone	LNS - Catania, Italy
Giacomo De Angelis	LNL- Legnaro, Italy
Enrico De Filippo	INFN - Catania, Italy
Angelo Pagano	INFN - Catania, Italy
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LOCAL ORGANISATION

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CONVENERS

SESSION I : R.Bougault (LPC –Caen –Fr)- F. Gramegna (LNL - Legnaro-I)

SESSION II : G.Cardella (INFN-Catania-I)-S. Pirrone (INFN - Catania-I)

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