

RNB7 – First Circular

THE SEVENTH INTERNATIONAL CONFERENCE ON RADIOACTIVE NUCLEAR BEAMS (RNB7)

**July 3-7, 2006
Cortina d'Ampezzo, Italy**

The Seventh International Conference on Radioactive Nuclear Beams (RNB7) will be held in Cortina d'Ampezzo, in the Italian Dolomites, on July 3-7, 2006. It will be jointly organized by the Departments of Physics of the Universities of Padova and Udine, the INFN Laboratori Nazionali di Legnaro (LNL) and Laboratori Nazionali del Sud (LNS), and the INFN Sections of Padova and Napoli.

SCOPE AND TOPICS

This Conference is the seventh of this series, started in 1989 in Berkeley and continued in Louvain la Neuve (1991), East Lansing (1993), Ohmiya (1996), Divonne (2000) and Argonne (2003). They have provided an international forum for presenting and discussing the continuous development of the physics and of the technology associated with radioactive nuclear beams. Many first generation facilities became in the mean time operational and are now providing new exciting physics results. Great progresses have been also made towards the construction of powerful second generation facilities that will allow access to the extreme regions of the nuclear chart. This is a research field growing rapidly in all its technological, experimental and theoretical aspects. The program of RNB7 will cover the most recent advances in all these fields and the prospects for future studies.

Conference topics include:

- Radioactive nuclear beam facilities
- Production of radioactive nuclear beams by projectile fragmentation
- Production of radioactive nuclear beams by ISOL techniques
- Studies of cross-sections for production of radioactive nuclei
- Nuclear reactions with radioactive beams and weakly bound nuclei
- Nuclear structure far from stability
- Nuclear astrophysics

- Experimental developments for studies with RNB: detectors and instrumentation
- Beyond nuclear physics with RNB: applications, fundamental interactions

The scientific program will consist of invited talks, of oral contributions selected from the submitted abstracts and of poster presentations. Very short oral presentations to highlight the best posters are also foreseen.

CONFERENCE VENUE

The Conference will be held in Cortina d'Ampezzo, Italy. Situated 160 km north of Venice, Cortina is also known as the "*Regina delle Dolomiti*" - Queen of the Dolomites - since it is in the heart of the wonderful Dolomite mountains. Located at 1224m. a.s.l., it is surrounded by forests and wide ski slopes, below the towering craggy red rock mountains, which are higher than 3000m. The village, boasting a thousand-year old remarkable historical background, has nearly 7,000 inhabitants. It attracts visitors from all over the world for its lively international atmosphere, its fashionable shops, and excellent restaurants.

Lectures will be given at the "PalaVolkswagen", located in the town centre, a modern tent structure for concerts, presentations, congresses, serving as the hall for Cortina d'Ampezzo since a few years. Its elegant shape – a large white tent with graceful lines – matches very well with the surrounding environment.

The Conference will start on Monday morning (July 3) and will end on Friday afternoon (July 7). Cortina d'Ampezzo is located about 160 km from Venice, 430 km from Milan, and 160 km from Innsbruck in Austria. The nearest airports are Venice, Treviso, Verona, and Innsbruck. The main international airport is the "Marco Polo" in Venice. Cortina can then be easily reached from there, by train or by bus. The Conference will organize bus transportation between Venice airport and Cortina before and after the Conference.

Detailed information on how to reach Cortina and on the transfer services provided by the Conference will be given in the second circular.

ACCOMMODATION

Participants in the Conference will be accommodated in various hotels in the centre of Cortina at a walking distance from the place of the meeting. Information on prices and deadlines for booking will be given in the second circular.

LANGUAGE

The official Conference language is English. No translation facilities will be available, and all abstracts and manuscripts should be presented in English.

PARTICIPATION, CONTRIBUTIONS AND PROCEEDINGS

Those wishing to attend or interested in receiving the 2nd announcement are kindly requested to complete the web-based [questionnaire form](#) by October 31, 2005. From here you will receive an acknowledgement. Please also circulate the present announcement to potentially interested colleagues, in particular young students, who may not yet be on our mailing list. We would like to particularly encourage students and post-docs to participate in the Conference. Limited financial aid might be available in some cases.

The proceedings of the Conference will appear as a special issue of a scientific journal.

CORRESPONDENCE

Please address all correspondence by electronic mail to:

RNB7 Conference Secretariat, Mrs Annarosa Spalla
Department of Physics and INFN
via Marzolo 8
I-35131 Padova (Italy)

e-mail: rnb7@pd.infn.it
fax: ++39-049-8762641
phone: ++39-049-8277204 (Mrs A. Spalla)
 ++39-049-8277080 (Mrs C. Miletta)

The second circular will be sent out by January 2006 with more detailed information on the program, call of abstracts, hotel reservation and transportation to and from Cortina d'Ampezzo.

DEADLINES

- **Questionnaire return date:** October 31, 2005.
- **Abstracts submission:** February 28, 2006.
- **Early registration:** April 30, 2006

FEES

- **Early registration** (before April 30, 2006): **340Euro**
- **Late registration** (after April 30, 2006): **380 Euro**
- **Students:** **250 Euro**

Fees have to be paid via bank transfer (the relevant account will be given later). Late registration fees can be paid at the beginning of the Conference upon registration.

WEB PAGE

Updated information on the Conference can also be found at the Conference web page

<http://rnb7.pd.infn.it>

ORGANIZATION

Local Organizing Committee

G. Cuttone	LNS
A. Gadea	LNL
M. Lattuada	LNS
S. Lunardi	Padova
R. Menegazzo	Padova
D. Pierroutsakou	Napoli
C. Signorini (Chairman)	Padova
F. Soramel	Udine
L. Tecchio	LNL
A. Vitturi	Padova

Local Support

C. Miletta, A. Spalla	Padova
-----------------------	--------

International Advisory Committee

N. Alamanos	Saclay (France)
C. Angulo	Louvain la Neuve (Belgium)
J. Beene	Oak Ridge (USA)
A. Bracco	Milano (Italy)
L. Buchmann	Vancouver (Canada)
M. Dasgupta	Canberra (Australia)
C.H. Dasso	Sevilla (Spain)
G.de Angelis	Legnaro (Italy)
M. Freer	Birmingham (UK)
S. Gales	Orsay (France)
D. Habs	Munich (Germany)
I. Hamamoto	Lund (Sweden)
W. Henning	GSI (Germany)
Y. Kadi	CERN (Switzerland)
M. Itkis	Dubna (Russia)
R. Julin	Jyväskylä (Finland)
A. Lépine-Szily	Sao Paulo (Brazil)
E. Migneco,	LNS Catania (Italy)
W. Mittig	Ganil (France)
T. Motobayashi	Riken (Japan)
M. Pfutzner	Warsaw (Poland)
G. Savard	Argonne (USA)
B. Sherrill	Michigan (USA)
W. L. Zhan	Lanzhou (P.R. of China)

The Conference is sponsored by Comune di Cortina d'Ampezzo, Provincia di Belluno, Università di Padova and Dipartimento di Fisica, Università di Napoli Federico II.