



HIAT 2009 Heavy Ion Accelerator Technology

Venice (Italy), June 8-12, 2009
<http://hiat09.inl.infn.it/>

HIAT 2009 is the 11th in a series of conferences,

1. **Daresbury (1973)**
2. **Strasbourg (1977),**
3. **Oak Ridge (1981),**
4. **Buenos Aires (1985),**
5. **Strasbourg-Heidelberg (1989),**
6. **Legnaro (1992),**
7. **Canberra (1995),**
8. **Argonne (1998),**
9. **Delhi (2002),**
10. **Brookhaven (2005).**

Conference Topics

The programme will include presentations on the topics:

- Electrostatic Accelerators
- Room Temperature and Superconducting Linac Boosters and Cavities
- Room Temperature and Superconducting Cyclotrons
- Synchrotrons and Storage Rings
- Radioactive Ion Beam Facilities
- Ion Sources
- Main Accelerator Systems and Components (e.g. Radiofrequency, Magnets, Vacuum, Control, Beam Diagnostics, Cryogenics, Radioprotection, Mass Spectrometers, Microbeam Facilities)



The conference is mainly devoted to the accelerator teams of any institution, laboratory or university, running or developing heavy ion facilities or their components for studies in the fields of nuclear physics and astrophysics as well as the applications of heavy ion beams

It focuses on:

operational experience on existing facilities,
achievements in heavy ion accelerator physics and technology,
progress on the implementation of approved projects and their infrastructures,
trends in the proposal and design of heavy ion accelerators and their main systems and components.

Fields of application of heavy ion

- ❖ Fundamental Nuclear and Atomic Physics
 - Dynamics of nuclear fusion and fission,
 - Development and production of radionuclides
- ❖ Medicine,
- ❖ Accelerator mass spectrometry,
- ❖ Material analysis and processing,
- ❖ Nuclear waste management,
- ❖ Radiation science and dosimetry,
- ❖ Environmental metrology,

Scientific Committee

Jeff Ashenfelter, *Yale University, USA*

Walter Assmann, *Ludwig-Maximilians-Universität München, Germany*

James R. Beene, *Holifield Radioactive Ion Beam Facility, ORNL, USA*

Giovanni Bisoffi, *INFN-LNL, Italy*

Robin Ferdinand, *GANIL, France*

Oliver Kester, *Gesellschaft für Schwerionenforschung, Germany*

Robert Laxdal, *TRIUMF, Canada*

Francis Osswald, *Institut de Recherches Subatomiques, Strasbourg, France*

Richard Pardo, *Argonne National Laboratory, USA*

Roland Repnow, *Max-Planck-Institut für Kernphysik Heidelberg, Germany*

Danilo Rifuggiato, *INFN-LNS, Italy*

Amit Roy, *Inter-University Accelerator Centre, India*

Kimikazu Sasa, *University of Tsukuba, Japan*

Dannie Steski, *Brookhaven National Laboratory, USA*

Suehiro Takeuchi, *Japan Atomic Energy Agency, Japan*

Bernard Waast, *Institut de Physique Nucléaire d'Orsay France*

David Weisser, *Australian National University, Australia*

Guan Xialing, *China Institute of Atomic Energy, China*

Organizing Committee

Giovanni Bisoffi, INFN-LNL, Italy (Chairman)

Augusto Lombardi, INFN-LNL, Italy

Vincenzo Palmieri, INFN-LNL, Italy

Piero Antonio Posocco, INFN-LNL, Italy

Daniele Ceccato, INFN-LNL, Italy

Anna D'Este, INFN-LNL, Italy

Some indicative figures

Number of participants	100/120
Number of invited	10/15
Number of contributed	60/80

Proceedings published by:

- NIM B
- AIP
- Pramana Journal of Physics (India)
- JACoW (From now on)



**The HIAT09 Conference location:
Centro Culturale Don Orione Artigianelli
(<http://www.donorione-venezia.it/>),
Dorsoduro Zattere – Venezia (Italy),
June 8th to 12th 2009.**