



July 24th–29th, 2011

Celebrating the centennial of the discovery of the atomic nucleus
and the 150th anniversary of MIT

FIRST CIRCULAR

The 19th Particles and Nuclei International Conference (PANIC11) will take place in Cambridge, Massachusetts at the Massachusetts Institute of Technology (MIT) from Sunday July 24th through Friday July 29th 2011.

The PANIC conference, which is held every three years, showcases the most significant developments in nuclear and particle physics to date. In 2011, PANIC11 will celebrate the centennial of Rutherford's discovery of the atomic nucleus by making this a major theme of the meeting. Additionally, 2011 is the 150th anniversary of MIT and local organizers expect this to be an exciting time to be on campus.

The location of PANIC11 allows visitors to experience the distinct character and charm of America's two most walkable cities. Cambridge, defined by its premier educational institutions, is a hip, multicultural place charged with an innovative and intellectual spirit that is easily captured in any local square or neighborhood café. Just across the Charles River is downtown Boston, where one can explore one of America's richest centers of history and culture by foot or sample renowned cuisine and enjoy both the urban and natural beauty of this harbor town. The last conference held in Eilat, Israel attracted many attendees and we hope that many more will flock to New England to enjoy this summertime event.

Host Institution

The conference is hosted by the Laboratory for Nuclear Science (LNS) <http://www2.lns.mit.edu> at the Massachusetts Institute of Technology <http://web.mit.edu>.

Conference Website

<http://panic11.mit.edu>

Registration

Online registration will begin September 1, 2010. The early registration fee will be \$500 (US dollars). Early registration ends April 30, 2011. Late registration fee from May 1, 2011 is \$550.


Venue


The plenary and parallel sessions will take place at the MIT Campus in Kresge Auditorium and surrounding meeting rooms.


In place of a traditional formal banquet, a dinner cruise of Boston Harbor is planned for Thursday, July 28th at 7:00 p.m. Transportation from the conference site will be provided to the cruise ship and back to the conference site.

Accommodations

Blocks of rooms have been reserved at a reduced conference rate at the following hotels:

 Courtyard Marriott
777 Memorial Dr.
Cambridge, MA

 Hyatt Regency Hotel
575 Memorial Dr.
Cambridge, MA

 Le Meridien
20 Sidney St.
Cambridge, MA

These hotels offer regular shuttle services to and from the MIT Campus. In addition, blocks of on-campus dorm rooms have been reserved at the MIT campus in close proximity to the conference site.

Visas













The local organizing committee is determined to facilitate the attendance of physicists from all countries. We realize that obtaining a visa to visit the U.S. from certain countries can be a challenging and lengthy process. It is essential that physicists from these countries begin the process early. We plan to enable registered attendees to generate letters of invitation to the conference on the conference website.

Transportation

Logan International Airport is approximately six miles from MIT. Taxi fare to the campus is about \$35-40, regardless of the number of passengers. Taxi service is the easiest mode of transportation for arriving participants. In addition, Boston has an underground transportation system known locally as the T – see <http://www.mbtta.com>. The stop at the Logan airport terminals are on the Silver Line to the Redline (inbound to Alewife via Park), whose stop at Kendall/MIT is in close proximity to the conference site.

Scientific Program

The scientific program will be organized under the following headings:

-  Quarks and gluons in hot and dense matter
-  Quarks and gluons in hadrons
-  Neutrino physics and astrophysics
-  Dark matter and cosmology
-  Nuclear and particle astrophysics
-  Standard model physics at the TeV scale
-  Tevatron and LHC physics beyond the standard model
-  Heavy flavor physics within and beyond the standard model
-  Tests of symmetries and conservation laws
-  Kaons, hypernuclei, hadron spectroscopy, and exotics
-  Applied string theory
-  Accelerator physics

The program will consist of plenary sessions of invited talks in the mornings and parallel sessions of both invited and contributed presentations in the afternoons. A poster session is planned for one afternoon.

Rutherford Centennial

A special plenary talk is planned to recognize the centennial of the discovery of the atomic nucleus. Further, an outreach program associated with the centennial is planned.

Student program

A series of pedagogical lectures for students are planned for Sunday July 24th at the conference site. Registration information and more details about the lecture program will be provided in the second announcement.

Oral Presentations and Poster Session

The presentations in the parallel sessions will be selected from contributed abstracts. The instructions for abstract submission will be posted on the conference website. The abstract submission deadline is February 1, 2011.



















A poster session is planned for one afternoon of the conference. Detailed instructions for making and placing the poster will be given on the conference website.

Proceedings

The conference proceedings, including the invited talks and contributed papers chosen for oral presentation, will be published.

Sponsors

The conference is sponsored by:

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|  ANL |  BNL |
|  CERN |  Cornell University |
|  DESY |  DOE |
|  DUSEL |  GSI |
|  IUPAP |  Jefferson Lab |
|  L-3 Communications |  LANL |
|  LBNL |  MIT-Bates |
|  MIT-CTP |  MIT Physics Department |
|  NSF |  ORNL |
|  Passport Systems Inc. | |

Second Circular

The second circular will be sent in August, 2010. It will include further details concerning the scientific program, registration, speaker, and poster instructions. Information about the social program will also be available.

Important Dates

✚ First circular and poster distribution	February 1, 2010
✚ Second circular distribution	August 1, 2010
✚ Early registration starts (\$500)	September 1, 2010
✚ Visa processing for participants abroad	January 1, 2011
✚ Deadline for abstract submission and request of financial support	February 1, 2011
✚ Early registration ends (fee rises to \$550)	April 30, 2011
✚ Final circular distribution	May 1, 2011
✚ Conference dates	July 24-29, 2011

Contacts

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**We look forward to seeing you in Boston in 2011.
Peter Fisher and Richard Milner
Conference Co-chairs**