



# QUARK MATTER 2009

The 21st International Conference on Ultrarelativistic Nucleus-Nucleus Collisions  
March 30-April 4, Knoxville, TN

## [Quark Matter 2009](#)

### *Second Announcement*

Dear Colleague,

This is the second announcement for the 21<sup>st</sup> International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions (Quark Matter 2009) to be held in *Knoxville, Tennessee, USA from March 30 to April 4, 2009*. The conference will include a Student Day on Sunday, March 29, five and a half days of conference talks, and an optional half-day excursion. The conference will end after lunch on Saturday, April 4.

#### Important Dates

<b><i>Abstract submission deadline</i></b>	<b><i>December 15, 2008</i></b>
Final Announcement	January 23, 2009
Deadline for early registration fee of \$500	January 31, 2009
Hotel reservation discount deadline	February 27, 2009
Student Day	March 29, 2009
Quark Matter 2009 Conference	March 30 – April 4, 2009

#### Registration and Conference Fees

You can register for the conference at <http://www.phy.ornl.gov/QM09/registration.shtml>. The conference fee is \$500 for payments submitted prior to January 31, 2009 and \$550 after that date. The conference fee will cover lunches, coffee breaks, two receptions, the banquet, conference proceedings, and a conference bag. There are additional optional fees for the excursions and the accompanying persons program. You have three payment options: bank transfer, checks, or credit card. The details and restrictions for each type of payment option are explained on <http://www.phy.ornl.gov/QM09/payment.shtml>.

#### Abstract Submission

You are strongly encouraged to submit an abstract. The procedure for submitting an abstract after you have registered is explained at <http://qm09.phys.utk.edu/indico/abstractSubmission.py?confId=1#interest>. The International Advisory Committee will select abstracts for oral presentation in the parallel sessions. We have also planned for a large number of poster presentations and any submitted abstracts not selected for oral presentation may be presented as a poster.

#### Financial Support for Young Participants

There will be financial support for a limited number of students and participants within 6 years of their Ph.D. Applications for financial support should be submitted as part of the

registration. There will also be a limited number of lower-rate, double-occupancy rooms for young participants who are receiving financial support from QM09. The procedure for requesting financial support is described at [http://www.phy.ornl.gov/QM09/student\\_support.shtml](http://www.phy.ornl.gov/QM09/student_support.shtml).

#### Hotel Accommodations and Reservations

Four hotels will offer special rates for QM09. They are all located either right next to the conference site or within a few minute walk. The conference hotels, rates, and a map showing the hotel locations relative to the conference site can be found at <http://www.phy.ornl.gov/QM09/accommodations.shtml>. The conference participants will need to arrange their own reservations with the hotels listed at the QM09 web site. Please be sure to reference "Quark Matter 2009" when making reservations. The cut-off date for reservations of the allocated rooms at the special rates is Friday, February 27, 2009. There will also be a limited number of lower-rate, double-occupancy rooms for young participants.

#### Special Events

A number of special events have been planned as described in detail at [http://www.phy.ornl.gov/QM09/special\\_events.shtml](http://www.phy.ornl.gov/QM09/special_events.shtml). Tuesday and Thursday we will have receptions in connection with the poster sessions, followed by a special showing of the play "Copenhagen" at the Carousel Theater. Wednesday afternoon three different excursions are planned: tours to a) the Great Smoky Mountain National park, b) the Chattanooga National Military Park, and c) Oak Ridge National Laboratory. In addition we also have a special program for accompanying persons described at <http://www.phy.ornl.gov/QM09/tours.shtml>. Other special events related to career options and career advice for younger participants are in the planning phase and will be described in the final announcement as well as on the web site.

#### Student Day

The one-day student school prior to QM09 will be held on Sunday, March 29 (2009). The Lecture Hall in the Knoxville Convention Center (KCC) will be used. There will be one "general/big picture" talk, followed by three "experimental" and three "theoretical" (in mixed order) lectures. Each lecture will have a Q&A period at the end. In addition, at the end of the morning/afternoon session, there will be a 1 hour discussion session in the "Hot Quarks" style. For further details, please see [http://www.phy.ornl.gov/QM09/student\\_day.shtml](http://www.phy.ornl.gov/QM09/student_day.shtml).

#### Scientific Program

The scientific program of the conference will include the following topics:

1. Initial State and Early Time Dynamics
2. Jet-Medium Interactions
3. Heavy Flavor and Quarkonium Production
4. Direct Photons, Dileptons and Vector Mesons
5. Global and Collective Phenomena
6. Low pT Hadron Correlations and Fluctuations

7. QCD at High Temperature/Density
8. New Theoretical Developments
9. Future Experimental Programs

The specifics of the scientific program are currently being developed by the International Advisory Committee in collaboration with the Local Organizing Committee. A high level overview of the conference time table can be found at [http://www.phy.ornl.gov/QM09/qm09\\_program.shtml](http://www.phy.ornl.gov/QM09/qm09_program.shtml). Further details on the scientific program will be displayed within the INDICO part of the conference web site as soon as it is available <http://qm09.phys.utk.edu/indico/conferenceDisplay.py?confId=1>.

#### About Knoxville

The metropolitan Knoxville area has a population of more than 650,000 and is located in the Tennessee Valley between the Appalachian and Cumberland Mountains. The Knoxville Convention Center is only a few years old and is located close to the downtown area with easy access to numerous restaurants, bars, and entertainment opportunities. Please refer to [http://www.phy.ornl.gov/QM09/tourist\\_info.shtml](http://www.phy.ornl.gov/QM09/tourist_info.shtml) for more information. In particular, you can obtain more information on the weather at <http://countrystudies.us/united-states/weather/tennessee/knoxville.htm>

#### Travel

Knoxville is served by McGhee Tyson Airport (TYS) [www.tys.org](http://www.tys.org). This airport is not an international airport, but is served by a multitude of US airports as listed on the QM09 web site.

#### Visa information

Conference participants are requested to familiarize themselves with visa requirements well in advance of the conference. The official source for US visa information is at <http://www.unitedstatesvisas.gov/>. Many conference participants will be able to use the "Visa Waiver Program." Details on this program can be found at [http://travel.state.gov/visa/tempvisitors\\_novisa\\_waiver.html](http://travel.state.gov/visa/tempvisitors_novisa_waiver.html). Letters of invitation for visa purposes will be available upon request to [qm09@ornl.gov](mailto:qm09@ornl.gov) for registered conference participants. *If you need a visa for entry into USA, we urge you strongly to apply as soon as possible*

#### Contacts

The conference web site is <http://www.phy.ornl.gov/QM09>. Please send an email to [QM09@ornl.gov](mailto:QM09@ornl.gov) for all issues or inquiries not covered in this announcement or on the web site.

*We are looking forward to see you in Knoxville.*

Sincerely yours,

*Glenn Young*  
Chair, QM09 Local Organizing Committee