1 June 1994

Quark Matter '95
Monterey, California, USA

Eleventh International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions
9 - 13 January 1995

Second Announcement

The Eleventh International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions will be held from 9 to 13 January 1995 in Monterey, California. It will be held at the Monterey Conference Center and the conferees will be housed at the adjacent Doubletree and Marriott hotels. All are near Fisherman's Wharf, in downtown Monterey. The conference will start with a reception on Sunday evening and finish at lunch on Friday. However, there will also be a pre-conference workshop on Sunday, 8 January, with the title "Physics with the RHIC and LHC Collider Detectors." In addition, some collaborations may want to organize collaboration meetings just after Quark Matter '95 at the same hotels.

Topics

As at earlier meetings, the focus of the conference will be on the experimental and theoretical aspects of the production and characteristics of states of matter at high energy and baryon density, including the Quark-Gluon Plasma. The topics to be discussed will include:

Experiments with Very Heavy Ions
Space-Time Collision Dynamics
Formation and Probes of the Quark-Gluon Plasma
Baryon Distributions and Nuclear Stopping
Particle Production
Correlations and Fluctuations
Photons and Dileptons
Strangeness and Heavy Flavors
Strange and Exotic Matter
Soft and Hard QCD Phenomena
QCD at Finite Temperature
Nuclear Matter at High Density
Astrophysical and Cosmological Aspects of Quark Matter
Future Collider Experiments

Sessions

The conference will consist of six plenary sessions of invited talks, and two afternoons of parallel sessions consisting of three sessions running concurrently. Selected contributed papers will be presented in the parallel sessions. Participants will also have the possibility to display posters. The official language of the conference will be English.

Program

At the time of this announcement the following invited speakers have been confirmed:

Berndt Müller	Opening Talk
Helmut Satz	Hard Probes of Dense Matter
Xin-Nian Wang	Approach to Parton Equilibration
Raju Venugopalan	Nuclear Structure Functions at Low x
Kari Eskola	Formation and Evolution of QGP at RHIC and LHC
Frithjof Karsch	Finite Temperature Lattice QCD
Sean Gavin	Disoriented Chiral Condensates
Gordon Baym	Neutron Stars: Observing the Properties of High Density Nuclear Matter
Itzhak Tserruya	Review of Low-Mass Di-Leptons and Single Photons
Tim Hallman, Jim Thomas	Summary of Pre-Conference Workshop
Miklos Gyulassy	Concluding Talk

In addition, most of the major CERN and AGS heavy-ion collaborations will be invited to present a plenary talk on their new results.

Contributed Papers and Posters

Abstracts of contributed papers must be received by 16 September 1994. From these, 42 papers will be selected for oral presentation in the parallel sessions. Abstracts must be prepared in English and must fit completely on one page within an area 16 cm wide by 23 cm high. Please indicate whether it is a theory or experimental abstract.

Abstracts will be accepted in camera-ready hard copy or electronic forms. Electronic contributions by e-mail will be accepted only in either LATEX or Rich Text Format. (Most Macintosh and PC word processors produce RTF format.) If you would like information about using anonymous FTP to send a postscript file, please send an e-mail request to *QM95@LBL.gov*. If abstracts are sent electronically, then a faxed copy must also be sent by the same deadline. Faxed copies by themselves will not be accepted. A suggested template is attached. LATEX and Word RTF templates can be e-mailed to you upon request to *QM95@LBL.gov,* or can be found on the World Wide Web from the URL http://www.lbl.gov/Conferences/Conferences.html All abstracts received will be posted on WWW with a pointer from this location.

Papers not selected may be presented in poster form. The posters (contained within an area 75 cm wide by 115 cm high) will be displayed in a room next to the auditorium through the duration of the conference. In addition, the authors of the posters will be expected to be present Tuesday evening for discussions with the other conferees.

Proceedings

The proceedings of the conference, containing the talks presented in the plenary and parallel sessions, will be published in the journal *Nuclear Physics A.* All conference participants will receive a copy of the proceedings, the cost of which is included in the registration fee.

Pre-conference Workshop

A one day workshop on "Physics with the RHIC and LHC Collider Detectors" will be held just prior to Quark Matter '95 at the same Conference Center. Topics to be addressed will include important aspects of experimental techniques relating to the detection of the quark-gluon plasma in relativistic heavy ion collisions. The workshop will focus on in-depth critical evaluation of the realistic technical capabilities of the collider detectors at RHIC and LHC to measure key signatures such as open charm, vector mesons, strangeness, lepton pairs, jets, direct photons, entropy and energy density fluctuations, HBT, and low p_t correlations. Persons interested in participating should include the appropriate fee with the enclosed registration form and contact the workshop organizers, TJHallman@lbl.gov and Thomas@buddha.llnl.gov.

Registration

The conference registration fee will be US$400. For the pre-conference workshop there will be an additional registration fee of US$50. The registration fees include continental breakfasts, coffee breaks, lunches, the Sunday evening reception, the Thursday conference dinner, the Wednesday excursion, the book of abstracts, and the conference proceedings. The registration fee for companions (16 years or older) not attending sessions is US$100. This fee includes continental breakfasts, the Sunday evening reception, the Thursday conference dinner, and the Wednesday excursion. A registration form is attached and should be returned at the latest by 1 December 94. After that date the registration fees will go up to US$450 for the conference and US$60 for the pre-conference workshop. Checks or international money orders, payable in US dollars only, should be made out to *Regents, University of California.* Full refunds will be made if requests are received by the conference coordinator before 15 December 94. Residents of foreign countries may pay in US$ on arrival by checking the appropriate box on the registration form. However, the fee will be determined by the date the form is received and if not canceled by 15 December 94 the foreign residents will be liable for the full amount.

Lodging

Lodging reservations must be made by you directly with the hotels. Information is enclosed for obtaining the conference rate at the Doubletree and Marriott hotels which are adjacent to the Conference Center. Please make reservations at only one hotel. Mention Quark Matter '95 when making your reservation to ensure receiving the special conference rate. The cut-off date for reserving rooms is December 1, 1994. Hotels will send confirmations on reservations received before that date. After that date rooms will be available at the special conference rate on an as-available basis. Cancellation of guaranteed reservations must occur 24 hours prior to scheduled arrival to prevent a charge equal to one night's room and tax for the canceled reservation.

Both hotels and the conference center have handicapped access. The hotels can help you arrange for child care, if needed. If you need help in locating a conferee to share a double room please contact the conference coordinator. However, the reservations still must be made by you directly with the hotel of your choice.

Travel

Monterey is a two-hour drive south of the San Francisco airport. There are many car rental agencies at the airport. Monterey is also accessible by scheduled airlines. The flight is 30-minutes and there are many round trips every day. These flight reservations should be made as part of your whole flight reservation. It is also possible to use the other airports at Oakland and San Jose. Transportation from the Monterey airport to the hotels is available inexpensively by taxi or limousine service.

Social Program

There will be a reception on Sunday evening. The Conference excursion on Wednesday afternoon will include hiking at Point Lobos State Park, a visit to a winery, and a visit to the Carmel mission. The Conference dinner on Thursday will be a private evening at the Monterey Bay Aquarium with buffet food. The cost of these items is included in the registration fees.

In addition, an active companions program is planned, all of which will be optional. On Monday morning there will be a popular lecture on Quark Matter. Monday afternoon there will be a visit to the Monterey Maritime Museum and guided walk through historic Monterey. Monday evening there will be a lecture open to the conferees about the Nobel Prize winning author John Steinbeck who wrote and situated many of his books in the Monterey region. On Tuesday there will be an all day guided tour of Steinbeck country, with visits to literary and historical locations. Wednesday morning before the Conference excursion to Point Lobos there will be a lecture on nature in the Monterey region. On Thursday a trip is planned to a large discount shopping mall. Friday morning an expert on family dynamics will lead a discussion on interacting with a scientific spouse. Separate tickets will be sold to companions for the museum and history tour, the Steinbeck tour, and the shopping trip. Details of the companion's program will be in the final announcement.

Weather

The daily mean temperature in January is a mild 50°F (10°C). However, this is the rainy season and you should come prepared with rain gear. For the conference excursion you will also need good walking shoes.

Other

These announcements and reply forms for Quark Matter '95 are available on the World Wide Web from the URL http://www.lbl.gov/Conferences/Conferences.html

There will be some scholarships available for partial support of graduate students at the conference.

Collaborations that would like to hold meetings after the Conference at the conference hotels, should contact the conference organizers. Please bring this announcement to the attention of colleagues who may not have received it.

Important Deadlines

Abstract submission	16 September 94
Hotel reservations	1 December 94
Pre-registration	1 December 94

Registration refund until	15 December 94