

QUARK MATTER 2001
FINAL ANNOUNCEMENT
JANUARY 2001

This is the final announcement for Quark Matter 2001, the 15th International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions

Up to date information regarding the conference can always be found on our web site at:

<http://www.rhic.bnl.gov/qm2001/>

Please note that the scientific program can be found on the web, and that transparencies of talks will be posted as quickly as possible with a direct link from each talk listed on the program. For the parallel talks, abstracts are already linked to the listed talks.

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==> **Registration**

Registration for the conference will be held in the Javits Lecture Center. A packet of registration materials including conference and local information, badges, and tickets for conference activities will be provided.

Please note that admission to conference lunches and use of conference shuttle buses will be limited to participants with appropriately color-coded badges. **You must have your badge by lunchtime on Monday!**

Registration opens at 1PM on Sunday and is available until 8PM, concurrently with the Student Symposium and Welcome Reception. Shuttle bus service to and from the hotels and BNL will be operating. Registration re-opens at 7:30AM Monday morning – shuttle buses and a special continental breakfast will be offered to people who wish to register at this time.

Information on Companions' Programs will be available at Javits on Sunday, and at the Wyndham Hotel on Monday morning.

==> **Conference Office**

The Conference Office is located in Room 108 of the Javits Lecture Center. The office is headed by Mrs. Doris Rueger, the Conference Secretary. Incoming messages will be posted on Bulletin Boards in the center of the Javits rotunda.

The Conference Office may be reached at:

Phone	631 – 344 - 5663
	631 - 632 - 4875
	631 - 632 - 4860
FAX	631 – 344 - 2166
	631 - 632 - 4833

Office Hours are:

Sunday	January 14	10:00 AM – 9:00 PM
Monday	January 15	7:00 AM – 8:00 PM
Tuesday	January 16	7:00 AM – 3:00 PM (BNL Day)
Wednesday	January 17	8:00 AM – 6:00 PM
Thursday	January 18	8:00 AM – 3:00 PM (NYC Trip)
Friday	January 19	8:00 AM – 6:00 PM
Saturday	January 20	8:00 AM – 3:00 PM

==> **Emergency 631 - 632 - 3333 Dial 333 from campus phones**

==> **Conference Computing**

Quark Matter 2001 is providing participants with a computer center located in Room 105/6 of Javits. It is equipped with 24 PC's with Internet connections, hubs for plugging in laptops, printers and support staff. The hours of operation will be as follows:

Sunday	January 14	10:00 AM – 9:00 PM
Monday	January 15	8:00 AM – 8:00 PM
Tuesday	January 16	8:00 AM – 1:00 PM (BNL Day)
Wednesday	January 17	8:00 AM – 6:00 PM
Thursday	January 18	8:00 AM – 3:00 PM (NYC Trip)
Friday	January 19	8:00 AM – 6:00 PM
Saturday	January 20	8:00 AM – 1:00 PM

==> **Inclement Weather** – the conference has arranged for excellent weather during the week. However our local contact has from time-to- time proved unreliable in this department. In case of severe weather the conference will announce any postponements or cancellations on local radio station WALK – 97.5FM which provides continuous closing coverage in case of winter storms. The University maintains a snow emergency number (**631-632-SNOW**) which will provide up-to-date information on conference schedule changes.

==> **BNL Day:**

A special afternoon is planned at Brookhaven National Laboratory on Tuesday. The afternoon will provide a unique opportunity to tour the RHIC accelerator facilities and the four RHIC experiments. Buses will deliver participants to Berkner Hall, where Lunch will be provided. This will be followed by an afternoon program which will include 3 parallel sessions, a poster session on RHIC and non-RHIC instrumentation topics, and the tours. Continuous bus service will allow participants to move between the parallel sessions and the facility tours. The afternoon will conclude with a reception at Berkner Hall.

=> **Conference Schedule:**

Sunday	January 14		
	1 PM	Registration Opens	Javits
	2 PM	Student Pre-Symposium	Javits
	6 PM	Registration and Reception	Javits
.....			
Monday	January 15		
	7:30 AM	Registration	Javits
	9 AM	Opening Session	Staller
	9:30AM	Plenary I - Perspectives	Staller
	2 PM	Plenary II	Staller
	8 PM	Public Lecture by Lawrence Krauss	Staller
.....			
Tuesday	January 16		
	8:30 AM	Plenary III	Staller
	1 PM	Buses to Brookhaven National Laboratory	
	2:30 PM	Parallel Session I Instrumentation Posters RHIC Facility Tours	
	6:30 PM	Reception at BNL	
.....			
Wednesday	January 17		
	9 AM	Plenary IV	Staller
	2 PM	Parallel Session II	Javits
	7:15PM	Cocktails & Banquet	Wyndham Hotel
.....			
Thursday	January 18		
	9 AM	Plenary V	Staller
	1 PM	Excursion to American Museum of Natural History and Rose Center for Earth & Space	
.....			
Friday	January 19		
	9 AM	Plenary VI	Staller
	2 PM	Parallel Session III	Javits
.....			
Saturday	January 20		
	9 AM	Plenary VII - Summaries	Staller
	1 PM	Conference Adjourns	

**Non-instrumentation posters will be displayed in two sessions
(Monday – Wednesday, Thursday – Saturday) on the second level of Javits.**

**Staller = Staller Center for the Arts - Main Stage
Javits = Javits Lecture Center**

==> **Conference Venues**

Most of the key locations of importance to the conference are highlighted on the campus map in the handout package. All of these locations are within a 5-minute walk from each other, the bus drop-off point, and the parking garage. Of special interest are:

Javits Lecture Center:

This is the nerve center for the conference. A floor plan is included in your package. It houses the conference office (room 108), a computer room (105/106), transparency-scanning and rapporteur-support room (222), and a video conference facility (221). Parallel sessions on Wednesday and Friday will be held in Rooms 100, 102, and 110. The Student Symposium will be held in Room 110.

Posters will be displayed along the second-floor balcony in two sessions for the duration of the conference.

Staller Center for the Arts

The 1100-seat Main Stage will be the venue for all plenary sessions, as well as the Monday evening public lecture by Lawrence Krauss.

Student Union

The ballroom and adjoining Bleacher Club at the Student Union will be the site for all the conference lunches. There is a covered walkway between Staller and the Union. The Friday lunch for students will be in the Bleacher Club.

Student Activities Center (SAC)

The SAC offers several services of interest to participants. The SAC is closed on Monday January 15 (Martin Luther King Day) and on Saturday.

Dining – Breakfast will be available every morning (except Monday and Saturday) starting at 7:30AM. For those who prefer a different selection of foods for lunch, the SAC provides a food court with pizza, stir-fry, wraps, burgers, pre-packed sandwiches and even sushi boxes. All meals at the SAC are at participants' own expense.

The Seawolf Marketplace, located just off the main lobby in the Student Activities Center, offers fresh coffee, snacks, convenience items, campus logo merchandise, and an assortment of special gifts. It is open 8:30 AM till 5:00PM Tuesday through Friday.

Cash Machines - An **ATM** is located directly outside the Seawolf Marketplace in the SAC, at the entrance to the Student Union, and also in the Administration Building (adjacent to the Parking Garage) lobby.

Library – The Stony Brook campus has a number of libraries that meet the information needs of the University community. The Frank Melville, Jr., Memorial Library provides an intellectual and physical focus to the campus and is among the largest academic libraries in the nation. The Mathematics/Physics/Astronomy Library is located on the C-Level of the Graduate Physics building. Both libraries are open Monday-Friday, 8:30 AM-5:00 PM.

The University Bookstore is located on the ground level of the Melville Library (opposite the SB Union), and stocks a wide selection of new and used textbooks, reference and trade books, study aids, general books, magazines, school supplies, dorm living supplies, gifts and novelties, greeting cards, clothing with the Stony Brook logo, backpacks, class rings, toiletries, candy and snacks. Hours of operation during the conference are

Monday, January 15, thru Friday, January 19:	8:15 am - 5:00 pm
Saturday, January 20:	10:00 am - 4:00 pm

==> **Student Program:**

Quark Matter 2001 is providing a program to enhance the educational experience for students. We have planned several activities specifically for students. On the Sunday afternoon preceding the conference, there will be a 4-hour mini-symposium covering experimental and theoretical information relevant to the conference. The program is:

George Sterman	QCD from Short Distances to Long
Dirk Rischke	Thermo- and Hydrodynamics for Relativistic Heavy-Ion Collisions
Reinhard Stock	The Dynamics of A+A Collisions: When do the Relevant Observables "Freeze Out"?
William A. Zajc	A Pedestrian's Guide to RHIC and Its Experiments

On Monday evening Prof. Lawrence Krauss has been invited to give a lecture, open to the public, on RHIC. That evening we plan to have a dinner for the students. On Friday we will sponsor a luncheon for students with more senior scientists. This luncheon will be an excellent time for students to expand their scientific interactions in an informal setting. In addition to these activities, the Tuesday trip to BNL will allow students to tour the four RHIC experiments and discuss experimental and physics issues with RHIC scientists. Students housed in BNL Dormitories will be provided with bus service to conference activities.

==> **Arrival at BNL**

For those people arriving at Brookhaven National Laboratory over the weekend we have made special arrangements to pick up housing keys and obtain food. When you arrive you should ask your bus or limo to take you first pick up your keys, wait for you and then drive you to your housing – it can be a long walk! Keys are available as follows:

Saturday January 13	1:30 PM - 5:30 PM	Housing Office Bldg. 179
	Other times	Security Bldg. 50
Sunday January 14	2:30 PM – Midnight	Housing Office Bldg. 179
	Other times	Security Bldg. 50

Food service is available at BNL as follows:

Berkner Hall Cafeteria	7:30AM – 2:00PM	Saturday, Sunday, Monday 1/15
	7:30AM – 2:30PM	Tuesday - Friday
Users Center	5:00 PM – 9:00 PM	Sunday, Saturday (1/13 only)
	5:00 PM – 11:00 PM	Tuesday - Friday
Vending	Alternating Gradient Synchrotron (AGS), open 24 hours Near the Housing Office in Bldg. 179, open until midnight.	

==> **Meals:**

There will be coffee provided in Staller starting one hour before each morning plenary session to accommodate those people arriving early.

A continental breakfast will be available from 7:30 AM on Monday in Javits for those people registering. Breakfast is available at participants' expense in the Student Activities Center (SAC) starting at 7:30AM from Tuesday through Friday. On Saturday a continental breakfast will be available in Staller to early arrivals from BNL.

During the conference there will be refreshments served at breaks during the morning and afternoon sessions.

All participants who have registered before December 19, 2000 will be provided with box lunches from Monday through Saturday, in the Student Union. On Tuesday a lunch will be served on arrival at BNL; on Thursday participants on the tour will take box lunches on the buses.

For those who prefer to purchase a different selection of foods for lunch, the SAC (open Tuesday through Friday) provides a food court with pizza, stir-fry, wraps, burgers, pre-packed sandwiches and even sushi boxes.

There are also many reasonably priced restaurants in the campus area that are within a few minute-drive from campus. A list of these can be found on our web site and in your information package.

Students and conference shuttle-bus users will be provided with a buffet dinner in the Student Union on Monday evening to permit them to attend the Krauss lecture.

Food service is available at BNL as follows:

Berkner Hall Cafeteria	7:30AM – 2:00PM	Saturday, Sunday, Monday 1/15
	7:30AM – 2:30PM	Tuesday - Friday
Users Center	5:00 PM – 9:00 PM	Sunday, Saturday (1/13 only)
	5:00 PM – 11:00 PM	Tuesday - Friday
Vending	Alternating Gradient Synchrotron (AGS), open 24 hours Near the Housing Office in Bldg. 179, open until midnight.	

=> **Social Program:**

Quark Matter 2001 will provide ample opportunities for extracurricular activities and social interactions. Participants will receive complimentary admission to all these functions. These include:

Sunday, January 14 Welcome Reception at the Javits Lecture Center

Monday, January 15 Evening public outreach lecture, "An Atom from Long Island", by Prof. Lawrence Krauss, aimed at the local community. Krauss is a theoretical physicist with wide research interests, including the interface between elementary particle physics and cosmology, where his studies include the early universe, the nature of dark matter, general relativity and neutrino astrophysics. Prof. Krauss is the author of several acclaimed popular books, including, "The Fifth Essence: The Search for Dark Matter in the Universe", "Fear of Physics" and "The Physics of Star Trek", which was a national best seller. Prof Krauss has just been awarded the prestigious Lillienthal Prize by the APS, most recently won by Stephen Hawking.

Tuesday, January 16 Reception at BNL hosted by Brookhaven Science Associates and corporate sponsors after the tours and parallel sessions.

Wednesday, January 17 Conference Banquet at the Wyndham Windwatch Hotel. Cocktails start at 7:15 PM. The after-dinner speaker is Dr. Chris Quigg of FNAL who will talk on "Physics in the New Millennium". For people driving from campus, turn right (South) onto Nicolls Road (Route 97) and go 8.5 miles to the Long Island Expressway (I-495). Take 495 West to Exit 57 (Veterans Memorial Highway) and make a right at the light onto Veterans Memorial Highway. At the next light make a right onto Vanderbilt Motor Parkway. Continue on Motor Parkway. The hotel is on the left.

Thursday, January 18 The conference excursion will be to New York City to visit the new Rose Center for Earth and Space in the American Museum of Natural History. Inside the Rose Center rests the new Hayden Planetarium; the Cullman Hall of the Universe; and the Gottesman Hall of Planet Earth. The inaugural Space Show, "Passport to the Universe" offers viewers a 3-D tour of the universe, where they will seem to "fly" through a scientifically accurate virtual recreation of our galaxy and beyond. Participants will be able to view this show, as well as any of the other Museum exhibits, including the world famous Dinosaur Halls, the Hall of African Mammals, and the critically acclaimed Hall of Biodiversity. The Museum closes at 5:45PM. Participants will then have several hours to eat in one of the many restaurants in the neighborhood between the Museum and Lincoln Center. There are a large variety of cuisines at all price scales. A guide to the area will be available. Participants will then return to the Museum to board buses back to campus and the hotels. Buses will leave as they are filled, with the last bus departing the Museum at 9PM. Participants wishing to go on the tour must request tickets at registration.

ð **Companions Program:**

Our companion program was not sufficiently subscribed to undertake the tour programs originally announced. The only tour which has not been cancelled is the Wednesday January 17, "Phantom of the Opera" on Broadway in New York City. Tickets for this show are being offered now to the public.

We will arrange small excursions to some of the areas of interest on Long Island for small groups. These excursions will be arranged during the conference.

The Companion Program will maintain a desk at the Wyndham Hotel for tour reservation and area information. On Sunday only, we will have an information desk at the Javits Center that will be open during registration and the Welcome Reception. We will meet on Monday in the Wyndham Lobby at 9:30 to discuss plans. Times for trips will then be posted at the Wyndham desk.

The weather can be cold, between 20-32 degrees Fahrenheit so bring warm clothing, hats and gloves so you can fully enjoy what our beautiful Long Island has to offer.

=> **Local Transport:**

The shuttle bus schedule from hotels and dormitories can be found below. Please note that this service is sized to accommodate only those who specifically requested it on their Travel forms. All others are asked to use private transport.

Ample parking will be available on campus in open air lots and in a garage close to the conference functions. Complementary parking stickers will permit a free single entrance per day in the garage. A limited number of stickers will be available at the conference desk.

The airport bus schedule on Saturday January 20 will be announced during the conference. Participants needing this service must sign up with the conference office before Wednesday January 17 at 1PM.

QUARK MATTER 2001 – SHUTTLE BUS SERVICE BROOKHAVEN LAB – STONY BROOK

**At Stony Brook, buses drop-off in Staller Loop close to Staller
Pick-up in Staller Loop at Admin Lobby entrance**

**At Brookhaven drop-off/pick-up at front entrance of Compton House Dormitory
(Curie House is directly behind Compton – walk to front and wait inside vestibule)**

Transit time between Brookhaven (BNL) and Stony Brook is about 40 minutes

Sunday January 14	Student Symposium and Welcome Reception	
Leave BNL	12:00 noon	
Leave BNL	5:00 PM	
Leave Stony Brook	7:00 PM	
Leave Stony Brook	8:15 PM	
Leave Stony Brook	8:30 PM	

Each morning 2 buses will be available. The first will leave when full, the second at the scheduled time.

Monday January 15		
Leave BNL	7:15 AM	
Leave Stony Brook	6:30 PM	limited capacity to BNL
Leave Stony Brook	9:15 PM	after Krauss lecture
Tuesday January 16		
Leave BNL	7:15 AM	
Leave Stony Brook	12:45 PM	to BNL Day activities
Wednesday January 17		
Leave BNL	7:30 AM	
Leave Stony Brook	6:30 PM	for banquet at Wyndham
Leave Wyndham	9:30 PM	
Thursday January 18		
Leave BNL	7:30 AM	
Leave Stony Brook	2:00 PM	limited capacity to BNL (NYC trip)
Friday January 19		
Leave BNL	7:30 AM	
Leave Stony Brook	6:30 PM	
Saturday January 20		
Leave BNL	7:30 AM	
Leave Stony Brook	2:00 PM	

**QUARK MATTER 2001 – SHUTTLE BUS SERVICE
BEST WESTERN HOTEL – STONY BROOK**

At Stony Brook, buses drop-off in Staller Loop close to Staller
Pick-up in Staller Loop at Admin Lobby entrance

Transit time between Best Western (BW) and Stony Brook is about 30 minutes

Sunday January 14	Welcome Reception	
Leave BW	start 5:00 PM, approx 30 minutes until 7:30PM	
Leave Stony Brook	5:30 PM every 30 minutes until 8:15 PM	

Each morning 2 buses will be available. The first will leave when full, the second at the scheduled time.

Monday January 15

Leave BW	7:15 AM	
Leave Stony Brook	6:30 PM	limited capacity to BNL
Leave Stony Brook	9:15 PM	after Krauss lecture

Tuesday January 16

Leave BW	7:30 AM	
Leave Stony Brook	12:45 PM	to BNL Day activities
Leave BNL	9:00 PM	

Wednesday January 17

Leave BW	8:00 AM	
Leave Stony Brook	6:30 PM	for banquet at Wyndham
Leave Wyndham	9:30 PM	

Thursday January 18

Leave BW	8:00 AM	
Leave Stony Brook	2:00 PM	limited capacity to BW (NYC trip)

Friday January 19

Leave BW	8:00 AM	
Leave Stony Brook	6:30 PM	

Saturday January 20

Leave BW	8:00 AM	
Leave Stony Brook	2:00 PM	

**QUARK MATTER 2001 – SHUTTLE BUS SERVICE
WYNDHAM HOTEL – STONY BROOK**

**At Stony Brook, buses drop-off in Staller Loop close to Staller
Pick-up in Staller Loop at Admin Lobby entrance**

Transit time between Wyndham (WH) and Stony Brook is about 35 minutes

Sunday January 14	Welcome Reception	
Leave WH	5:00 PM and	every 30 minutes until 7 PM
Leave Stony Brook	6:00 PM and	every 30 minutes until 8:30 PM

Each morning 2 buses will be available. The first will leave when full, the second at the scheduled time.

Monday January 15

Leave WH	7:15 AM	
Leave Stony Brook	6:30 PM	limited capacity to WH
Leave Stony Brook	9:15 PM	after Krauss lecture

Tuesday January 16

Leave WH	7:15 AM	
Leave Stony Brook	12:45 PM	to BNL Day activities
Leave BNL	9:00 PM	

Wednesday January 17

Leave WH	7:45 AM	
Leave Stony Brook	6:30 PM	for banquet at Wyndham

Thursday January 18

Leave WH	7:45 AM	
Leave Stony Brook	2:00 PM	limited capacity to WH (NYC trip)

Friday January 19

Leave WH	7:45 AM	
Leave Stony Brook	6:30 PM	

Saturday January 20

Leave WH	8:00 AM	
Leave Stony Brook	2:00 PM	

