

Program Of Workshops, Special Symposium, and Plenary Sessions

RHIC & AGS Annual Users' Meeting

May 27-30, 2008

Workshops
May 27

Special Symposium
May 28 · Berkner Hall

Plenary Session
May 29 · Berkner Hall

Plenary Session & Open Forum
May 30 · Physics, Building 510

Registration is required for the workshops, plenary session, open forum, and dinner. Register at http://www.bnl.gov/rhic_ags/users_meeting

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*Opening
the
Window
on QCD*



BROOKHAVEN
NATIONAL LABORATORY

And other pertinent information

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Workshop 1 High Momentum Probes and the Medium's Response

Organizers: Helen Caines and Anne Sickles

Time: Full Day

Location: Berkner Hall, Room B - Bldg. 488

Summary:

This workshop aims to cover both theory and experimental progress in determining how high momentum probes interact with the medium produced at RHIC. Early results using correlations of high momentum particles indicate that when energetic parton pass through the hot and dense medium they deposit significant energy. There is a substantial modification of the away-side jet peak as well as evidence of a near-side long range pseudorapidity correlation known as the "ridge". This workshop will cover recent developments in our understanding of both these phenomena.

Agenda

09:00	Overview of theoretical interpretations of ridge	Joern Putschke
09:30	Head/Shoulder/Ridge are ridge and Shoulder the same	John Chen
10:00	Jet/ridge/away side vs Reaction Plane	Pawan Netrakanti
10:30	Coffee Break	
11:00	Low pt Ridge	Lanny Ray
11:30	The glasma effects on 2 particle corelations	Raju Venugopalan
12:00	3-particle correlations	Nuggehalli Ajitanand
12:30	Lunch	
02:00	v_2 in Jet and Ridge Events	Paul Sorensen
02:30	The ridge at high $\Delta(\eta)$, cluster size	Edward Wenger
03:00	Mini-jets and their interactions	Tom Trainor
03:30	Coffee Break	
04:00	Doubly-triggered jet (2+1) correlations	Hua Pei
04:30	Viscosity Flow and the ridge	Sean Gavin

Workshop 2 Charm and Beauty school: What heavy quarks can tell us about the sQGP

Organizers: Alex Linden Levy and Agnes Mocsy

Time: Afternoon Session

Location: Biology Seminar Room, Bldg. 463

Summary:

Heavy flavor and quarkonia can provide information about the production and evolution of matter at very high energy densities. The main goal of the workshop is to discuss the current status of both experimental and theoretical work in the heavy flavor and quarkonium sector. These topics are extremely relevant for the physics investigated at the future upgraded RHIC facility.

Agenda

13:30		Heavy Flavor Results from PHENIX and STAR	Lijuan Ruan (BNL)
14:10		Quarkonia Results from PHENIX and STAR	Mike Leitch (Los Alamos)
14:50		Coffee Break	
15:05		Cold Nuclear Matter Effects on Quarkonia	Ramona Vogt (UC Davis & Livermore)
15:45		Hot Nuclear Matter Effects on Quarkonia	Peter Petreczky (BNL/RBRC)
16:25		Puzzlings in heavy Quark Energy Loss	Dmitri Kharzeev (BNL)
17:05		End	

Workshop 3 RHIC Future: New Physics Through Upgrades

Organizers: Mickey Chiu and Xin Dong

Time: Afternoon Session

Location: Large Conference Room, Bldg. 490 - Medical

Summary:

The primary goal of this workshop is to promote discussion of the the upgrade possibilities for both the collider and experiments at RHIC. These upgrades are the fundamentally necessary for the next era of measurements at RHIC and even beyond RHIC, such as eRHIC. These upgrades would allow RHIC to reach far higher luminosities than currently. Coupled with new detectors, the upgrades would greatly expand the physics reach at RHIC, and maintain the RHIC complex's standing as the premiere laboratory to study the properties of the strongly coupled QGP, the gluon and sea quark contributions to proton spin structure, and potentially other new physics.

Agenda

01:30		Collider Upgrades	M. Blaskiewicz
02:15		STAR Upgrades	H. Caines
02:45		PHENIX W-boson Trigger	I. Nakagawa
03:10		STAR inner tracking upgrades	F. Videbaek
03:45		Break	
04:00		PHENIX Silicon	D. Winter
04:25		PHENIX Forward Calorimeters	P. Bourgeois
04:50		eRHIC	V. Ptitsyn

Workshop 4 - Electromagnetic Probes: Photons and Dileptons

Organizers: Alberica Toia and Zhangbu Xu

Time: Morning Session

Location: Biology Seminar Room, Bldg. 463

Summary:

Since after being produced, they do no longer interact strongly with the medium they should probe, electromagnetic probes offer a large variety of experimental measurements, which include the measurement of direct thermal photons, dilepton measurements which provide interesting information about the resonances and the continuum: mass shift, width change, suppression, centrality dependency, gamma-gamma HBT, and gamma-jet correlations. The workshop aims to review the recent results achieved at RHIC, also in the context of measurements at lower \sqrt{s} , to comprehensively understand direct radiation from the QCD matter and anticipate possible future measurement of electromagnetic radiation.

Agenda

09:00	Photons and Dileptons as Probes in the pre-RHIC Era	Volker Metag
09:45	Dileptons in PHENIX	Torsten Dahms
10:15	Soft photons in PHENIX	Yorito Yamaguchi
10:45	Coffee Break	
11:15	A consistent tomography of matter under extreme conditions with electromagnetic radiation	Charles Gale
11:45	Photon-Hadron Correlations at RHIC	Saskia Mioduszewski
12:15	Gamma-Gamma HBT and future perspective with dileptons in STAR	Evan Finch

Workshop 5 - Puzzling Spin : A testbed for QCD

Organizers: Renee Fatemi, Ralf Seidl, and Feng Yu
Local Contact: Ralf Seidl
Time: Full Day
Location: Hamilton Seminar Room, Bldg. 555 - Chemistry

Summary:

Recent experimental and theoretical results are providing a wealth of information which will shed light on several poorly understood pieces of the spin puzzle. In addition to reviewing the status of the most recent transverse and longitudinal spin data and theory papers, this workshop will present a fresh look at the global analyses aiming to consolidate and interpret these data within the broader context of the total spin structure of the nucleon. These talks naturally lead to and will inform discussions about the direction of future experimental efforts within the spin community.

Agenda

09:00		The STAR Longitudinal Spin Program	Jason Webb
09:25		The PHENIX Longitudinal Spin Program	Joe Seele
09:50		Global Analysis of Polarized PDFs	Daniel de Florian
10:20		Coffee Break	
10:30		Overview of Longitudinal and Transverse Spin Physics at HERMES	Jim Stewart
11:05		Overview of Longitudinal and Transverse Spin Physics at COMPASS	Febienne Kunne
11:40		The relevance of positivity in spin physics	Jacques Soffer
12:10		Lunch Break	
1:30		The PHENIX Transverse Spin Program	Han Liu
1:55		Forward Transverse Spin at STAR	Andrew Gordon
2:20		Recent Progress in Transverse Spin Physics	Andreas Metz
2:50		Coffee Break	
3:10		Physics with W Bosons at RHIC	Werner Vogelsang
3:40		Status of the Electron-Ion Collider Project	Antje Bruell
4:10		Prospects for Drell-Yan Physics at RHIC	Gerry Bunce
4:40 – 5:00		Discussion	

Special Symposium - Wednesday, May 28, 2008

RHIC & Its Impact on Nuclear Science

Berkner Hall Auditorium, Bldg. 488

Agenda

08:55 - 09:00	Welcome	Rene Bellwied
09:00 - 09:45	RHIC's impact on heavy ion physics	G. Baym (UIUC)
09:45 - 10:30	RHIC Physics, AdS/CFT and string theory	M. Natsuume (KEK)
10:30 - 11:00	Break and Poster Session	
11:00 - 11:45	RHIC Spin Program: From birth to realization	G. Bunce (BNL, RBRC)
11:45 - 12:30	RHIC Spin program & its impact on understanding the nucleon's spin	J. Soffer (Temple U)
12:30 - 01:30	Break and Poster Session	
01:30 - 02:10	RHIC Accelerator achievement and planned upgrades	T. Roser (BNL)
02:10 - 03:20	RHIC HI what we know what we should look forward to in future (theory)	B. Mueller (Duke)
03:20 - 03:50	Break and Poster Session	
03:50 - 04:30	RHIC HI what we know, what we should look forward to in future (experiment)	J. Nagle (Colorado)
04:30 - 05:15	Spin physics at RHIC the future	B. Surrow (MIT)
05:15 - 06:00	Laboratory's Vision for the future of RHIC	S. Vigdor (BNL)
07:00 - 11:00	Dinner at Majestic Gardens - <i>reservations were required</i>	

Plenary Session - Thursday, May 29, 2008

Berkner Hall Auditorium, Bldg. 488

Agenda

Plenary Session I, Chair: Rene Bellwied (Chair UEC 2007-8)		
08:25	Welcome by the UEC Chair	Rene Bellwied (Wayne State)
08:30	Run-8 Accelerator Performance Highlights	Christoph Montag (BNL)
09:15	STAR Run-8 achievement & summary	Akio Ogawa (BNL)
09:45	PHENIX Run-8 achievement & summary	M. Leitch (LANL)
10:15	Break & Poster Session	
10:30	UEC Past Chair's address	John Hill (Iowa State)
10:45	PHENIX Results and perspectives	Yasuyuki Akiba (RIKEN)
11:25	STAR results and perspectives	Tom Trainor (U of W)
12:05	Lunch break & Poster Session	
Plenary session II, Chair: Abhay Deshpande (Chair-Elect UEC 2007-8)		
1:30	Thesis award presentations	Steve Vigdor (BNL)
1:40	Director's address	Steve Vigdor (BNL)
1:55	DoE Office of Nuclear Physics	Jehanne Simon-Gillo (DoE)
2:15	DoE Office of Nuclear Physics, Heavy Ion	Gulshan Rai (DoE)
2:35	DoE Office of Nuclear Physics, Medium Energy	Brad Tippens (DoE)
2:55	NSF Office of Nuclear Physics	Ani Aprahamian (NSF)
3:15	Break & Poster Session	
3:45	RHIC Polarimetry	Alexander Bazilevsky (BNL)
4:15	UEC Election Results	Abhay Deshpande (SBU, RBRC)
5:00	Cocktail hour - compliments of BSA	
5:30	Diversity in Physics: What can we do better?	A. Morreale (UCR) & C. Nattrass (Yale)

RHIC & AGS Annual Users' Meeting Workshop 6 (Panel Discussion)

Diversity in Physics: What can we do better?

Date: Thursday, May 29, 2008
Organizers: Astrid Morreale and Christine Natrass
Time: 5:30 p.m.
Location: Berkner Hall, Room B, Bldg. 488

Summary:

This Year the RHIC and AGS is holding the annual users meeting at BNL. As part of the agenda we will dedicate a session of talks dedicated to Women in Science/minority issues raising awareness of the under-representation of women/minorities in the field of physics, discuss barriers, share success stories, propose ways to improve participation globally

Agenda

17:30	Closing the Gender Gap	Dr M. Urry, Yale University
18:05	Lessons from the Life Sciences	Dr. L. Smith-Doerr, NSF
18:40	Are there Differences doing Physics in Europe and America?	Dr. E. Aschenauer, Jefferson Lab

Plenary Session - Friday, May 30, 2008

Physics Building, Large Seminar Room - Bldg. 510

Agenda

Plenary Session III, Chair: John Hill (Past Chair UEC, 2007-8)		
09:00	Review of PHOBOS experiment and results	Wit Busza (MIT)
09:45	Review of BRAHMS experiment and results	Flemming Vidaebek (BNL)
10:30	Break	
11:00	Critical Point Search at RHIC/STAR	George Stephans (MIT)
11:30	Critical Point Search at RHIC/PHENIX	Roy Lacey (SBU)
12:00	Status and plans for the Electron Ion Collider	R. Milner (MIT)
12:30	Lunch	
01:00	Open Forum	

Open Forum

The main purpose of this meeting is to find out from you, the user, what are the most important concerns related to your work and your life at BNL. Members of the Users' Executive Committee regularly are asked to convey your needs directly to representatives from BNL management, the DOE, and others who are in the best position to affect our experience both as scientists and as members of the BNL community. The best way for us to make sure that the needs of the users are accurately represented is for us to hear from you.

Date: Friday, May 30, 2008

Time: 12:30 p.m. lunch – first come, first served

1 p.m. session begins

Location: Physics, Large Seminar Room, Bldg. 510

Agenda: Meet the New UEC

And don't forget to bring your discussion items as well!

Questions from those watching the webcast of the Open Forum will be accepted live, via e-mail, and addressed during the Q&A session, as time permits. Send to userscenter@bnl.gov

Chair: Rene Bellwied

The Open Forum will be webcast live in Real format. You will find a link to the webcast at <http://www.bnl.gov/video>. If you do not have a copy of RealPlayer, you may download a free copy from <http://www.real.com/> (follow links for the free basic version of the player, not the 14-day trial Premium version.) If installing the player for the first time, BNL recommends the configuration settings listed at <http://www.bnl.gov/video/realplayer.asp>.

NETWORK ACCESS FOR CONFERENCE GUESTS

Wireless networks are provided around the Laboratory.

Conference attendees often bring their laptops and PDA's to the Laboratory, and need network access to their home institutions. In order to know what devices are on our networks we must obtain some basic information on these devices to meet cyber security requirements.

Conference guests bringing their own network devices must register them in BNL's Network Access Registration database. The registration process requires a valid, BNL-assigned life number or guest number. While this works well for normal operations, it has proven problematic for attendees of short-term conferences who have not been assigned a guest number. To remedy this, a unique "conference key" has been created to use in place of a guest number during the registration process. **Conference Key assigned to RHIC & AGS Annual Users' Meeting = DB-08540**

Regardless of your status at the Lab, all guests need to be made aware of the registration process.

It is also important that you understand that many computing devices that use wireless network cards will attempt to connect to any available network as soon as the computer is powered on. Because of this, open your web browser and complete the registration form as soon as possible to avoid unnecessary termination of your network access.

See next page for instructions.

For more information on BNL's Network Access Registration process, visit <http://register.bnl.gov>. If you experience problems, please contact the ITD Help Desk, Ext. 5522.

BNL Computer Registration Instructions

Attendee Instructions - BNL policy requires that all computing devices connected to BNL's network be registered in our Network Access Registration system. If you will be using a computer (laptop, PDA, etc.) to access the internet or any of BNL's networked resources while on-site, and that computer has not been previously registered at BNL, your web browser traffic will be redirected to a web page requesting information about you and your computer. This form **MUST** be completed and submitted **within 30 minutes** of booting your computer, or your network access **will be** terminated. To begin this process, simply open your web browser once you have connected.

To aid you in the registration process, below is a list of the required fields and the information you will need to enter. Completion of fields **not** listed in these instruction is preferred, but not required.

Owner/Primary User Name:

Enter your name in LastName-comma-FirstName format (e.g. Doe, John).

Owner/Primary User Phone:

Enter: 5322

Owner/Primary User E-mail:

Enter your e-mail address.

Owner/Host Life/Guest Number:

Enter the following conference key: DB-08540

Department:

Select DIRECTORATE - NUCLEAR AND PARTICLE PHYSICS from the drop down list provided.

Building Number or Name:

Enter: 488, 463, 555, 510

Room Number or Name:

Enter: Auditorium, Biology Seminar Room, Hamilton, Lg Seminar Rm

System Type:

Select the system type that best fits your device. If you're unsure, leave the default of WORKSTATION.

Operating System:

Select your computer's operating system from the list provided. If you are unsure, you may select UNKNOWN. If your operating system is not listed, select OTHER.

Secondary Operating System:

The default of NONE is acceptable.

Any other fields on the form will be optional, and can be left blank. Should you experience any difficulties during the registration process, please call our Helpdesk at lab extension 5522.

User Agreement - Screen Capture

Read the User Agreement Notice in your browser and press the [I agree...] button to continue.



Network Access Registration - Screen Capture

Complete all required fields as directed in page one of these instructions, then press the [Submit] button to finish. Please contact your Event Coordinator, or the on-site Helpdesk (laboratory extension 5522) if you experience problems.



Building 488

Directions to Berkner Hall



Building 555

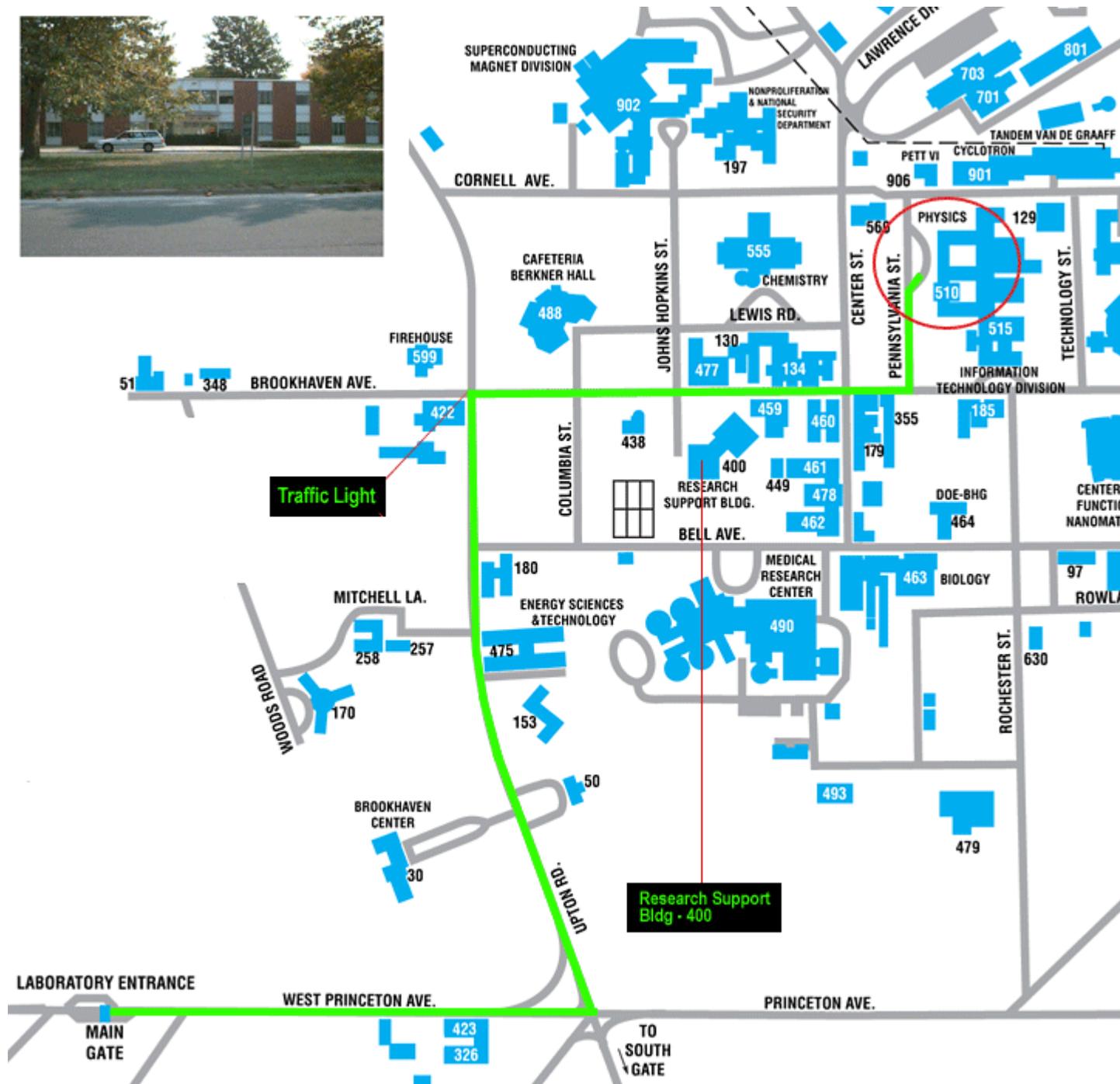
Directions to Chemistry



Building 510

Directions to Physics

- Vehicle parking can be found on the West and Southeast side of Pennsylvania Street.

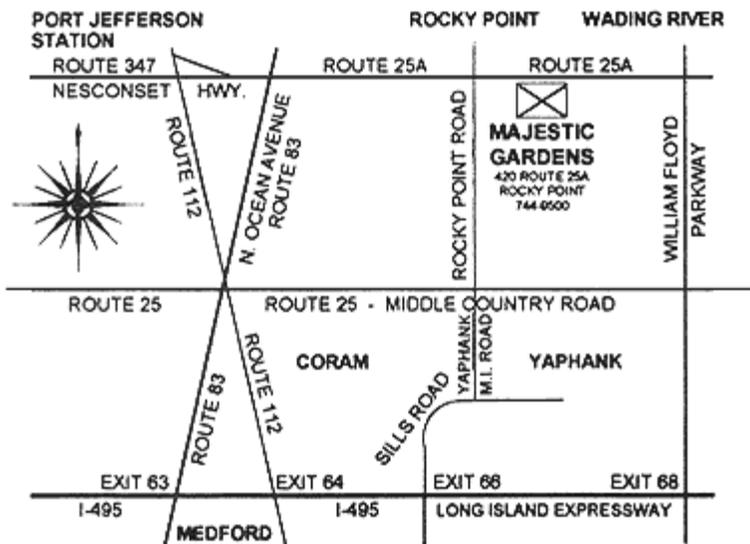


Dinner at



Directions

420 Route 25A, Rocky Point, New York 11778 • 631-744-9500



From Nassau: Take the Long Island Expressway East to Exit 63 (County Road 83). At the end of the ramp, make a left at the traffic light and proceed north on County Road 83 for approximately 8.5 miles to the end. At the end of County Road 83, make a right onto Route 25A and proceed East for approximately 4 Miles. Cross over Rocky Point Road and Majestic Gardens is on your right, immediately before the Route 25A By-Pass.

From Eastern Suffolk: Take the Long Island Expressway to exit 68, William Floyd Parkway and proceed North on William Floyd Parkway to the end and make a left on to Route 25A. Proceed West on Route 25A and take the Route 25A By-Pass. Bear left at the end of the By-Pass, proceeding West on Route 25A and Majestic Gardens is 2/10 of a mile ahead on the left.

reservations were required