

## At PPPL THIS WEEK

### MONDAY, FEBRUARY 13

#### Theory Seminar

10:45 a.m. - noon ♦ T-169

Robert Hager

### THURSDAY, FEBRUARY 16

#### PPPL Colloquium

2 p.m. ♦ M.B. Gottlieb Auditorium

Fast Magnetic Reconnection: Bridging  
Laboratory and Space Plasma Physics

Amitava Bhattacharjee  
(Univ. of New Hampshire - Durham)

[CLICK HERE FOR ABSTRACT](#)

#### Adlinger Center ACEE Seminar

4 p.m. ♦ Main Campus  
Computer Science Bldg. Room 104

[The Future of Energy](#)

Peter Evans (GE Energy)

#### Physics Colloquium

4:30 p.m. ♦ Main Campus Jadwin A10

Towards the Principles of Self Assembly

Michael Brenner (Harvard University)

<http://www.princeton.edu/physics/events/>

### FRIDAY, FEBRUARY 17

#### DIII-D Science Meeting

1 p.m. - 2:30 p.m. ♦ B-233

#### Princeton Univ. Gravity Group Astrophysics/Cosmology Lunch

Noon ♦ Jadwin Hall, Room 102

Speaker: TBA (Princeton University  
and Institute for Advanced Study)

### SATURDAY, FEBRUARY 18

#### Science on Saturday

9:30 a.m. ♦ M.B. Gottlieb Auditorium


Using Lasers to Control and  
Probe the Brain

Adam Cohen (Harvard University)

## Streamlining the Lab's Phone System Saves Costs AND Energy

**B**ehind a secure door at one end of a first-floor corridor is a small, windowless room where wires upon wires upon wires reside on cable patch panels, tall racks of equipment and wide shelves. This room for the telecommunications office, A-117, houses the phone and voicemail system for the Lab. Last year, PPPL purchased its own phone system, made by Avaya, with the goal of saving money and improving service. Previously, the Lab had been leasing a Centrex system from Verizon for many years. The new streamlined system requires much less equipment and can be held by a single telecom rack. The previous system required six full racks of equipment, which took more electricity to operate. This new system means a savings in energy use.

"Not only is the new phone system saving about \$10,000 per month for the Lab in operational service costs, but there is an energy savings — a reduction in electricity — by using the new phone system," said Bill Bryan, Head of the Lab's Telecommunications Services. "With the new system, we are using less electrical power by replacing six racks of equipment with one, and using less AC to maintain a cool temperature in the room."

In the photo below, between Bryan (left) and PPPL's contractor Derek Medeiros, is the new, single rack on black shelving that replaces the six equipment-laden racks on the blue shelving to their right. Yellow wires on the new rack are the new high bandwidth digital phone lines, reduced from about 960 analog lines in the previous system. Medeiros noted that the new system by Avaya is reliable and allows more flexibility, giving the telecommunications office the ability to make phone and voicemail additions, moves and changes for staff in-house, usually within hours. Under the old Centrex system, the group had to place orders for changes with Verizon, which would take days to complete and add costs. 

— By Patti Wieser





## Super Bowl Mania Hits PPPL

PPPL football fans flocked to the Lobby on Feb. 3 for a pre-game Super Bowl bash hosted by the Lab. Partygoers sported team garb, nibbled on wings and other bowl fare, and joined in

with fellow staffers. Clockwise from top left: (from left) Cathy Saville, Carol Austin, Linda Ramirez, Marie Iseicz, Barbara Sobel, Jackie Pursell, and Maureen Abbott wear their team colors; Andy Carpe shows support for the Giants; and Chris Minervini (left) and Bob Hitchner (right) lead the chow line. The New York Giants defeated the New England Patriots 21-17 on Feb. 5 during Super Bowl XLVI.





Professor Nergis Mavalvala, from MIT's department of physics, presented, "Exploring the Warped and Violent Universe," to a packed auditorium at PPPL on January 28 as part of the Science-on-Saturday lecture series.

# COLLOQUIUM

## Fast Magnetic Reconnection: Bridging Laboratory and Space Plasma Physics

AMITAVA BHATTACHARJEE

Univ. of New Hampshire - Durham

**Thursday, February 16\***

2 p.m. (Coffee/Tea at 1:45 p.m.)

M.B. Gottlieb Auditorium, Lyman Spitzer Building

\* PLEASE NOTE SPECIAL DATE AND TIME

## 2012 Science on Saturday

Princeton University Plasma Physics Laboratory Lecture Series

### Using Lasers to Control and Probe the Brain

ADAM COHEN

(HARVARD UNIVERSITY)

Saturday, February 18, 2012

9:30 a.m.

M.B. Gottlieb Auditorium, Lyman Spitzer Building



## PPPL CAFÉ MENU

MONDAY, FEB. 13

TUESDAY, FEB. 14

WEDNESDAY, FEB. 15

THURSDAY, FEB. 16

FRIDAY, FEB. 17

COMMAND PERFORMANCE  
CHEF'S FEATURE



**Chicken Piccata over Rice**

Pork Roll, Onion and Cheddar Omelet

Hearty Chicken Rice

Pizza Burger with Onion Rings

Caribbean Grilled Chicken with Ham and Pineapple

The Portabello and Provolone Griller



**Create Your Own Mashed Potato Bar**

Southern Style Biscuits and Sausage Gravy

Cream of Spinach

Italian Sausage Sandwich w/Onions, Peppers, Fries

Louisiana Shrimp Salad on a Multigrain Roll

Ham, Swiss, Tomato and Honey Butter



**Grilled Teriyaki Pork Loin**

Fresh Baked Banana Bread

Turkey Chili

Sloppy Joe Sandwich with Spiral Fries

Turkey Ranchero Wrap

Roast Beef, Provolone, Red Onion, Tomato, Mayo



**Grilled Chicken in a Pesto Sauce w/Pasta**

Strawberry Pancakes with Cream and Maple Syrup

Manhattan Clam Chowder

BBQ Chicken Cheese Steak with Fries

Chicken Cordon Bleu

Ham, Swiss, Cole Slaw and Russian Dressing



**Stuffed Peppers w/ Spicy Mac&Cheese**

Gina's Bacon Breakfast Casserole

Onion Soup

Hot Ham & Cheese on Torpedo Roll w/ Spiral Fries

Corned Beef Rueben

Turkey, Swiss, Bacon, Tomato, Horseradish Mayo

MENU SUBJECT TO CHANGE WITHOUT NOTICE

[CLICK HERE FOR A PRINTABLE WEEKLY MENU](#)

## WEEKLY

Editor: **Patti Wieser** ♦ Copy Editor /Graphic Design: **Gregory Czechowicz**  
Photography: **Elle Starkman** ♦ Web: **Chris Cane**

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Deadline for calendar item submissions is noon on Thursday. Other stories should be submitted no later than noon on Wednesday.

Send to: [pwieser@pppl.gov](mailto:pwieser@pppl.gov) ♦ Comments: [commteam@pppl.gov](mailto:commteam@pppl.gov) ♦ PPPL WEEKLY is archived on the web at: <http://www.pppl.gov/ppplweekly.cfm>