

## Calendar

### Wednesday, September 14

**11:00 a.m.** Fermilab ILC R&D Meeting - 1 West

Speaker: M. Demarteau, Fermilab

Title: ILC Detector R&D: Beyond

Snowmass

**3:30 p.m.** Director's Coffee Break -

2nd Flr X-Over

**4:00 p.m.** Fermilab Colloquium - 1 West

Speaker: T. Gay, University of Nebraska

Title: Football Physics

### Thursday, September 15

**2:30 p.m.** Theoretical Physics Seminar - Curia II

Speaker: D. Renner, University of Arizona

Title: Generalized Parton Distributions

from Lattice QCD

**3:30 p.m.** Director's Coffee Break -

2nd Flr X-Over

**Note:** There will be no Accelerator Physics and Technology Seminar today

## Weather



Partly Cloudy **76°/50°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## Picnic Honors Employees' Efforts in the Classroom



Marge Bardeen and Jim Zagel get ready to BBQ on a smokey grill. (Click on image for larger version.)

Surrounded by hamburgers, chips and fruit salad, about 20 Fermilab employees gathered Friday for a picnic recognizing them for embracing a role that doesn't involve tabulating numbers or calibrating equipment--being teachers. In honor of the World Year of Physics, an international celebration marking 100 years since Albert Einstein penned revolutionary papers on the theory of special relativity, quantum theory and Brownian motion, the Education Office is helping Fermilab scientists spread their scientific knowledge to local classrooms.

Since April, the 60 volunteers signed up for the program have made physics presentations to more than 7,000 students. They hope to reach at least 3,000 more by year's end. "The idea is to build enthusiasm about physics, present the idea that it's a cool thing to do," said Mike Albrow, of the Particle Physics Department, who initiated the program. Schools can choose between nine

## Learning About Physics with Football

Throwing a pigskin can be a lesson in physics. Don't believe it? Attend "Football Physics," a colloquium to be given by University

of Nebraska physics professor Tim Gay at 4 p.m. today in 1 West of Wilson Hall.

Since 1999, Gay has conducted his lessons to a crowd of

78,000 people--the fans that attend the

University of Nebraska Cornhuskers

home football games in Memorial Stadium. When there's a pause in the action, the stadium's big-screen cameras show Gay, who demonstrates the basics of physics through the basics of football. Newton's Laws of Motion are shown through blocking and tackling, projectile motion is demonstrated through kicking and punting, open-field running is used to show kinematics, and to demonstrate the ideal gas law, Gay fills a football with helium.

During Gay's demonstrations, he's been tackled by 370-pound lineman and hit with a sledgehammer as he lies on a bed of nails. For a look at his work, [click here](#).

—Kendra Snyder



Tim Gay

### Wednesday, September 14

- Vegetable Beef
- Fish & Chips
- Salmon w/Lemon Pepper
- Country Fried Steak w/Pepper Gravy
- Beef & Cheddar Panini w/Sauteed Onions
- Assorted Personal Sized Pizzas
- Cavatappi Pasta w/Italian Sausage & Tomato Ragu

The Wilson Hall Cafe accepts Visa, Master Card, Discover and American Express at Cash Register #1.

[Wilson Hall Cafe Menu](#)

### Chez Leon

### Wednesday, September 14

#### Lunch

- Chili Crusted Pork Loin
- Apple Salsa
- Roasted Sweet Potatoes
- Apple Walnut Cake

### Thursday, September 15

#### Dinner

- Chicken Sun Dried Tomato Rolls
- Coconut Shrimp Curry
- Lemon Grass Rice
- Ginger Souffle w/Rhubarb Sauce

[Chez Leon Menu](#)

Call x4512 to make your reservation.

### Search

### Search the Fermilab Today Archive

### Info

presentation topics including "Space, Time and Einstein," "Cryogenics" and "Zap! Light and Color." Susan Dahl, of the Education Office, has helped put together demonstration materials and Nancy Lanning coordinates the visits.

"Science needs to be presented in a fun and exciting way for kids to want to pursue it," said Clifton Horvath, of the Computing Division, who's accumulated a stack of thank-you letters from classroom visits. "I tell the kids that I'm going to entertain them and, perhaps, they might accidentally learn something."

Although the official tally of students reached will end by January, the presentations won't. "I would love to keep doing it," said Anne Heavey, of the Computing Division. "I'm not governed by any Dec. 31 deadline."

Those interested in the program should contact Nancy Lanning at [lanning@fnal.gov](mailto:lanning@fnal.gov)

—Kendra Snyder

### In the News

### From *The Chicago-Tribune*, September 11, 2005

#### Fermilab scientists put a move on info

BATAVIA -- You can't blame Don Petravick and Matt Crawford if they became a tad impatient with their Internet provider when the network burps and they have to endure a delay. Come to think of it, you can't blame them for being impatient when things are running smoothly.

That's because Petravick and Crawford, scientists at Fermilab National

### Hot Topics Featured at World Year of Physics Symposium for Students and Teachers

*Saturday, October 8 from 8 a.m. to 3:15 p.m. at Fermilab's Ramsey Auditorium*

Some of the hottest topics in the field of physics today, ranging from "Dark Energy and the Runaway Universe," to "The Warpings of Spacetime" and "The Coming Revolutions in Particle Physics," will energize the World Year of Physics Symposium for Students and Teachers, to be held on Saturday, October 8, 2005 in Ramsey Auditorium.

Nobel Laureate Leon Lederman of the Illinois Math and Science Academy will offer a talk in his inimitable style, and new Fermilab Director Pier Oddone will speak on "The Future of Fermilab."

[Read More](#)

### Announcements

#### World Year of Physics Classroom Presentations

Brown Bag Orientation, September 19, from 12:00-1:00 pm, Curia II

#### Fermilab Happy Hour, organized by the GSA. Everyone is invited!

Are you interested in meeting new people at the lab? The Graduate Student Association (GSA) invites you to the Fermilab Users' Center this Friday, September 16, at 5:30 p.m. Meet up with old and new friends for a drink, and maybe make some plans for the evening or weekend. There's also a movie at the lab on Friday night at Wilson Hall - The Sting, at 8 pm - \$2 for students with lab ID!

#### Building Manager Notice

The Ramsey Auditorium Lobby and access stairwell from the atrium level will

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Accelerator Laboratory near Batavia, have gotten used to transferring data a little more quickly than what most of us are used to--in fact, thousands of times faster than high-speed Internet connections with home computers.

[Read More](#) (registration required)

be closed on Wednesday, September 14 and Thursday, September 15 due to area carpet installation. Please use designated alternate entrances and exits.

[Upcoming Activities](#)