

## Calendar

Friday, September 16

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

2nd Flr X-Over

4:00 p.m. Joint Experimental Theoretical  
Physics Seminar - 1 West

Speaker: L. Shabalina, University of  
Illinois, Chicago

Title: Top Production Cross Section and  
Branching Ratio Measurements at DZero

Monday, September 19

2:30 p.m. Particle Astrophysics Seminar-  
Curia II

Speaker: S. Burles, Massachusetts  
Institute of Technology

Title: The SDSS Lens+ACS (SLACS)  
Survey for Strong Galaxy-Galaxy  
Gravitational Lensing

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

2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting-  
Curia II

## Weather



Chance of rain 73°/48°

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## New *Fermilab Today* Editor Eager for Challenge



Elizabeth Clements (left) helps Siri Steiner  
settle in to her new job. (Click on image for  
larger version.)

There's a new face leading *Fermilab Today*. Siri Steiner has replaced Elizabeth Clements as the editor of the daily online newsletter. Clements, who has led *Fermilab Today* since it launched in July 2003, is now the communications director for the International Linear Collider Americas/Global Design Effort and is based in Fermilab's Public Affairs office.

"Siri really had the right kind of enthusiastic attitude," Clements said about her successor, who began August 22. "This job requires somebody who is not afraid of deadlines and pressure and people standing behind you making changes. Siri just seemed like she wanted this challenge and she wanted to have fun with it."

Steiner received her master's degree in science writing from the Massachusetts Institute of Technology and a bachelor's degree in biology from the University of California Berkeley. She's interned at *Popular Science*, written science curriculum for the Galef Institute and served as an editorial assistant at *Tikkun*

## ILC NewsLine

## 51 MV/m Achieved with Electro- polished Re-entrant Shape Cavity



Members of the high-gradient cavity team at KEK who recorded the 51 MV/m gradient on September 6.

The high gradient superconducting cavity is one of the most vital components for the ILC. There were heated discussions at the Snowmass 2005 workshop as to which cavity shape should be adopted for the ILC baseline and how to attain high-gradients in a reproducible way. While the TESLA type cavity has a proven maximum gradient up to 40-41MV/m, new contender schemes have been also vigorously pursued because they are likely to allow the physicists to push toward a higher gradient.

A popular conjecture among the experts is that a maximum of approximately 51MV/m should be attainable with a suitably shaped cavity, as limited by the maximum surface current that the niobium material can sustain in its superconducting state. In so doing, the use of the electro-polishing technique, pioneered by the superconducting cavity group at KEK, is considered to be a critical surface treatment process to apply in cavity preparation.

[Read More](#)

Friday, September 16

- Old Fashioned Ham & Bean
- Black & Blue Cheese Burger
- Chicken Wellington
- Stuffed Manicotti
- Roasted Veggie & Provolone Panini
- Assorted Pizza Slice
- \*Vegetarian Stir Fry

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

[Wilson Hall Cafe Menu](#)

### Chez Leon

Wednesday, September 21

Lunch

- Spiced Cornish Hens
- Balsamic Rice w/Vegetables
- Bishop's Cake

Thursday, September 22

Dinner

- Coquille St. Jacques
- White Bean & Fennel Puree
- Julienne of Summer Squashes
- Almond Baklava

[Chez Leon Menu](#)

Call x4512 to make your reservation.

### Search

Search the Fermilab Today Archive

### Info

magazine in San Francisco. Steiner grew up in southern California, her thirst for science beginning as a child who asked questions adults couldn't answer. "I just love how it feels when you break down an idea," Steiner said. "The only way to really understand something difficult is to write it for someone else who doesn't understand it."

Steiner describes Fermilab as "more than I imagined," a place where she has much to learn, but also much to give. "I'm excited about getting to know everybody here and playing a central role in sort of connecting everyone in the community," she said.

— *Kendra Snyder*

### Photo of the Day



Handrails are not just for people... Yesterday, a Praying Mantis ascended one of the handrails on the front steps of Wilson Hall. (Photo by David Ritchie; click on image for larger version)

### In the News

From *The AIP Bulletin of Science Policy News*, September 14, 2005:

Unsettled Outlook for FY 2006 R&D Funding

With the start of the new fiscal year less than three weeks away, Congress and the Bush Administration have not settled on a strategy to fund R&D programs in the coming year. While the new chairmen

## Bush Sets Day of Prayer for Victims of Katrina

President George W. Bush has proclaimed Friday, September 16, as a national day of prayer and remembrance for the victims of Hurricane Katrina.

[More Information](#)

### Announcements

Saturday, September 17: "Blow the Whistle on Asthma"

The American Lung Association of Illinois and Iowa is holding a series of Asthma Walks in the area on Saturday, in its "Blow the Whistle on Asthma" fund-raising campaign. The walk in Batavia will begin at 10 a.m. at the Park District's Peg Bond Center, next to the Batavia Police Department. Walks will also be held in Oak Brook and Vernon Hills. For more information, [click here](#) and go to "Asthma Walk" under Events.

Note the Change in Date for World Year of Physics Classroom Presentations Brown Bag Orientation has been rescheduled for September 19, from 12:00-1:00 pm, Curia II.

World Year of Physics Symposium for Students and Teachers

The symposium takes place on Saturday, October 8, from 8 a.m. to 3:15 p.m. at Fermilab's Ramsey Auditorium.

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

Fermilab Today is online at:

<http://www.fnal.gov/today/>

Send comments and suggestions to

[today@fnal.gov](mailto:today@fnal.gov)

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of the House and Senate Appropriations Committees have expressed a desire for "regular order" by passing each of the appropriations bills separately, time is running out. One alternative calls for program funding to be continued at current levels, and in some instances, cut.

[Read More](#)

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!

New Classifieds on Fermilab Today  
New [classified ads](#) have been posted on Fermilab Today.

[Upcoming Activities](#)