

## Calendar

### Wednesday, October 18

**11:00 a.m.** Special Particle Astrophysics Seminar (note date and location) - Racetrack (WH-7XO)

Speaker: D. Poznanski, Tel-Aviv University

Title: SN Progenitors and Rates from Low-Cost Surveys with No Spectroscopy

**3:30 p.m.** Director's Coffee Break - 2nd floor crossover

**4:00 p.m.** Fermilab Colloquium - 1 West  
Speaker: P. Grannis, Stony Brook University/U.S. Department of Energy

Title: To the Terascale – The ILC Opportunity

### Thursday, October 19

**9:30 a.m.** [Presentations to the Physics Advisory Committee](#) - Curia II

**11:00 a.m.** Academic Lecture Series - 1 West

Speaker: K. Ellis, Fermilab

Title: Course 1 – Introduction to QCD at Colliders: Shower Monte Carlo

**1:00 p.m.** ALCPG ILC Physics & Detector R&D Seminar - Hornets Nest (WH-8XO)

Speakers: T. Sanami, A. Fasso, L. Keller – Stanford Linear Accelerator Center

Title: IR Hall Dose Rate Estimates for a "Self-Shielding" Detector

**2:30 p.m.** Theoretical Physics Seminar - WH-3NW

Speaker: E. Poppitz, University of Toronto

Title: Old and New in the Lattice Definition of Chiral Gauge Theories

**3:30 p.m.** DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over

**4:00 p.m.** Accelerator Physics and Technology Seminar - 1 West

## Curtis Danner wins Director's Award for education exhibits



Deputy Director Young-Kee Kim presented PPD's Curtis Danner with the Director's Award for his efforts with Lederman Center exhibits.

Deputy Director Young-Kee Kim presented employee Curtis Danner with the Director's Award Monday evening for his outstanding efforts as a Fermilab education volunteer. "Thank you for your important work on the Leon Lederman Center exhibits," said Kim, presenting Danner with a plaque and a check for \$1,000. Kim also thanked Danner on behalf of Director Pier Oddone, who was not able to attend because he was giving a presentation to the Scientific Policy Committee at CERN.

Danner was chosen from a pool of six nominees, including Ronald Miksa, Suzanne Weber, Jerry Zimmerman, Muzaffer Atac and Donald Lincoln. "This is not their main job. They put in extra hours because they care deeply for this program," said Kim. "I'd like to thank every one of our volunteers."

Education head Marge Bardeen also addressed the group: "You are the ones who make [the Education Office] look

## From the Technical Division

### A time of transition

*This week's column is written by Marc Ross, head of the Technical Division.*



Marc Ross at the Technical Division picnic in mid-September.

This is an exciting time of transition for the Technical Division. In the coming years, the division will turn away from a primary focus on superconducting magnet technology to focus on both superconducting magnets and superconducting RF cavities.

As a student in the late 1970s, I was amazed at the way Fermilab embraced and tackled the development of superconducting magnets. Of course, the technology pioneered here has since spread across the globe. At the division picnic in mid-September, I was impressed to hear the long list of magnet projects successfully commissioned in the last year.

With superconducting RF, as with magnets 25 years ago, we want to create the best performance. For the last 15 years, superconducting RF cavity accelerating field performance has improved steadily to the point where it is the technology of choice for a wide range of new accelerators, such as the DESY

Speaker: L. Prost, Fermilab

Title: Electron Cooling at the Recycler:

Update and Cooling Force

Characterization

[Click here for a full calendar with links to additional information.](#)

## Weather



Showers **55°/39°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

### Wednesday, October 18

- Creamy Mushroom Chicken Soup
- Texas Style Meatloaf Sandwich
- Chicken Wellington
- Italian Sausage with Peppers
- Smoked Turkey Panini Pesto Mayo
- Assorted Slice Pizza
- Chicken Alfredo Fettuccine

[Wilson Hall Cafe Menu](#)

## Chez Leon

### Wednesday, October 18

- Northern Italian Lasagna
- Romaine & Endive Salad w/Olives & Lemon Vinaigrette
- Poached Pears in Red Wine

### Thursday, October 19

#### Dinner

- Curried Pumpkin Soup
- Grilled Duck Breast w/Fig Sauce
- Wild Rice w/Pecans
- Brussels Sprouts w/Lemon & Bacon
- Apple Walnut Strudel

good to just about anyone who wants to look," she said. Bardeen emphasized volunteer contributions to school outreach programs, last year's successful open house that drew over 2,000 visitors and creative efforts for exhibits at the Lederman Science Center. "You are willing to be role models," she said, "and to show young people that not all scientists have white coats and hair sticking out all over."

--Siri Steiner

## Temporary restrictions transferring disk drives

If your hard drive breaks down and you try to send it away to have it repaired, don't be surprised if PREP or the property office sends it back to you. They are just following a new rule.

According to a recent DOE memo, no hard disk drive or other magnetic computer storage media or device should be sold, donated or transferred to an off-site contractor or other organization for disposal. Most importantly in our environment, this prohibits the property office from exchanging disk drives with vendors

- as part of existing warranty contracts,
- as part of advanced replacement agreements.

It is not clear how long this restriction will be in effect. There are efforts to negotiate formal and informal agreements with vendors that would allow existing repair and warranty agreements, knowing that at some point in the future the exchange drives will be returned. Read the full DOE memo [here](#).

## In the News

XFEL, the Spallation Neutron Source and the ILC. This tremendous accomplishment was coordinated by the TESLA Collaboration, centered at DESY, in Germany. From the start, Fermilab has been directly involved in this collaboration, through the leadership of Helen Edwards and support of our staff.

With the surge of global interest in the ILC, it is time to take the technology the next step, and the ILC Global Design Effort has developed a research and development plan for this task. Our plan involves the TESLA Technology Collaboration, of course, since this collaboration includes the world's experts. We can learn from them, they can evaluate our program, and they can participate in our work. The challenge we face, this time around, is to expand our technical horizons to tackle a new technology, and to expand our critical partnerships. These two tasks must be done at the same time in order to take the next step and get the ILC off to a running start.

## Announcements

### Discounted Tickets

The recreation office is offering discounted tickets for "Circus of Dreams" at the Allstate Arena, "Radio City Christmas Spectacular" at the Rosemont Theater, and "The Mikado" at the Cahn Auditorium. To find out more about these shows and special offers, visit the [recreation website](#).

### Village Power Outage

Maintenance has scheduled a Village power outage for Saturday, October 21, from 6:00 a.m. to about 4:30 p.m. The outage will affect all Village labs and housing. Please plan accordingly.

[Chez Leon Menu](#)

Call x4598 to make your reservation.

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## ***INFN Press Release,*** **October 13, 2006:**

**Chemical reaction between matter and antimatter realized for the first time: it brings about the formation of protonium**

Matter and antimatter particles run into each other and they annihilate into a small flash of energy: it happened at the first light of the Universe and it happens every day in the particles accelerators throughout the world. The international collaboration Athena, that involves Genoa, Pavia and Brescia Infn researchers, has yet been able to induce for the first time a chemical reaction between matter and antimatter that produced protonium: it is formed of one hydrogen ion and one anti-hydrogen ion, that is to say a proton and an antiproton. The result has been published today Friday, October 13, by Physical Review Letters.

[Read More](#)

## **A Taste of Taiwan**

CDF physicists are organizing a get-together with Taiwanese food and music on Thursday, October 26, from 6:30 p.m. to 9:00 p.m. in the Kuhn Barn. "There will be free Taiwanese food," said organizer Shin-Shan Eiko Yu. "We will also provide some travel information, play traditional Taiwanese music, and display news clips about Taiwan."

## **International Folk Dancing**

International Folk Dancing will meet Thursday, October 19, at Kuhn Barn. Dancing begins at 7:30 p.m. with teaching and children's dances earlier in the evening and request dancing later on. Newcomers are welcome and you do not need to come with a partner. Info at 630-584-0825 or 630-840-8194 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov). International Folk Dancing will not meet next Thursday, October 26, but everyone is invited to come to a joint Scottish and International dance Halloween party on Tuesday, October 31, at the Barn. Costumes and treats are optional.

[Upcoming Activities](#)