

## Calendar

### Friday, August 5

**3:30 p.m.** Director's Coffee Break -  
2nd Flr X-Over

**4:00 p.m.** Joint Experimental Theoretical  
Physics Seminar - 1 West  
Speaker: A. Taffard, University of Illinois,  
Urbana-Champaign

Title: Top Pair-Production Cross Section  
and a Search for Anomalous Heavy  
Flavor Decays in  $W+Jets$  at CDF

**8:00 p.m.** Fermilab International Film  
Society - Ramsey Auditorium  
Title: "The Great Escape"

### Saturday, August 6

**8:00 p.m.** Fermilab Arts Series -  
Ramsey Auditorium  
World Dance Showcase

### Monday, August 8

**3:30 p.m.** Director's Coffee Break -  
2nd Flr X-Over

**4:00 p.m.** All Experimenters' Meeting -  
Curia II  
Special Topic: DZero Silicon Radiation  
Damage So Far

**Note:** Particle Astrophysics Seminars Will  
Resume In The Fall

## Weather



Mostly Sunny **83°/56°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Record Peak Luminosity

Yesterday afternoon, at 5:20 p.m., the Tevatron achieved a new record peak luminosity of  $129.8 \text{ E}30 \text{ cm}^{-2}\text{sec}^{-1}$ . The previous record, of  $122 \text{ E}30 \text{ cm}^{-2}\text{sec}^{-1}$ , was set on April 29. The new record is an improvement of about 30 percent compared to the best peak luminosity at the beginning of the year.

## Summer Activities at the Lederman Science Center



Students learn Survival Science at the Lederman Science Center by cooking lunch in solar ovens. (Click on image for larger version.)

It was just Trudy Coutts' luck that her Survival Science class fell on the one cloudy day in a summer of blazing sun. Her students hoped to cook lunch in self-made solar ovens, so she put heat-lamps over the appliances while the class scavenger-hunted outside. Hot dogs and burgers were steaming by the time the class returned, completing one more day in a long line of creative and educational experiences at the Lederman Science Center. "You could think of this building as a national park visitor's center for teachers and students," mused Education Office Manager Marge Bardeen.

## Fermilab Arts Series: World Dance Showcase



The Trinity Irish Dance Company will perform at the Fermilab Art Series World Dance Showcase this Saturday at 8 p.m. (Click on image for larger version.)

The long-standing tradition of dance showcases at Fermilab takes a global approach this year as the Fermilab Arts Series presents some of the finest traditional and ethnic dance companies in the Chicago area. This Saturday at 8 p.m., three outstanding World Dance groups take the stage in Fermilab's Ramsey Auditorium for an evening of Irish, Indian and Ukrainian dance. Tickets are still available.

The Trinity Irish Dance Company and Trinity II are the world's only internationally touring nonprofit professional Irish Dance Companies. In the early 1990s, Trinity Irish Dance Company was the first to make the leap from competitive Irish dance to performing art. Several years later, Trinity II was created to take Irish Dance even further. Trinity has significantly changed the direction and scope of Irish dance, re-introducing the art form as the phenomenon it is today. The professional company's repertoire is cutting-edge, redefining the medium with all the

## Wilson Hall Cafe

### Friday, August 5

Cream of Wild Mushroom Soup  
Blackened Fish Filet Sandwich \$4.85  
Southern Fried Chicken \$3.75  
Fish Mediterranean \$3.75  
Eggplant Parmesan Panini \$4.75  
Pizza Supreme \$3.00  
Assorted Sub Sandwiches \$4.85

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

[Wilson Hall Cafe Menu](#)

## Chez Leon

### Wednesday, August 10

#### Lunch

Thai Beef & Vegetable Salad  
Banana Bourbon Cake w/Cream Anglairs

### Thursday, August 11

#### Dinner

Skewered Shrimp w/Prociutto  
Steak an Poi vie w/Brandy Cream Sauce  
Vegetable of the Season  
Lemon Berry Napoleon

[Chez Leon Menu](#)

Call x4512 to make your reservation.

## Search

Search the Fermilab Today Archive

## Info

Survival Science is just one of many programs offered at the Lederman Science Center, part of the Education Office here at Fermilab. Bardeen and colleague Susan Dahl estimate that they reach close to 20,000 children per year, either by organized field trips to the lab or sending Fermilab presenters out to area schools. "The older, high-school age students take a tour of the lab and learn about the physics that is done here," said Bardeen, "but the younger students come as part of a class study unit. They have a context for the information, which is very important."

The library of materials held in the Lederman Science Center is invaluable for providing that context. "It is intended to be a place where teachers can see the latest materials for instruction in the classroom," said Dahl. "And for parents of kids who just enjoy science." With museum-like exhibits that illustrate the physics of Fermilab and hands-on computer programs for both students and teachers, some visitors accurately describe the Lederman Science Center as the "candy store" for math and science learners.

—*Amelia Greene*

## ILC This Week

### Snowmass Workshop Goals Tackle Real-World Issues

passion, flair and precision that earned many of its members' international acclaim.

The Ukrainian Dance Ensemble Hromovytsia is a talented group of young men and women, most of whom have studied several forms of dance—traditional Ukrainian, ballet, jazz, and character—allowing them to perform in a wonderfully diverse way. The group is known for its unique style of dance and its wide repertoire draws from various regions of the Ukraine. The choreography displays the grace of classical ballet, bold physical strength and intricate steps that have been created by the choreographer's imagination and influenced by folkloric origins.

Kalapriya Dance portrays mythological stories and poetry through the East Indian Classical dance form of Bharantanatyam. Tales are portrayed through complicated footwork, stylized hand gestures and facial expressions. Kalapriya has performed at the Olympic Games in Salt Lake City, the grand opening for Chicago's Millennium Park, at colleges and universities across the country, and at Dance Chicago.

Tickets for the World Dance Showcase are \$18 (\$9 for ages 18 and under). For further information or telephone reservations, call 630/840-ARTS (2787) weekdays between 9 a.m. and 4 p.m.

[More Information](#)

## In the News

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

Send comments and suggestions to

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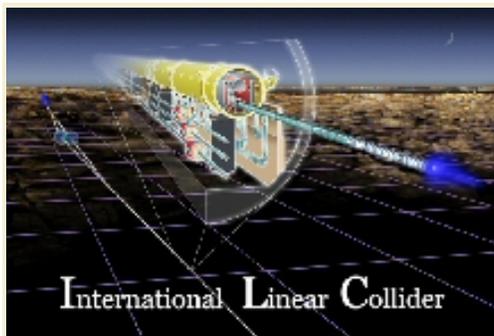
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The Second ILC accelerator workshop will take place in Snowmass, Colorado, to address accelerator and machine-detector interface issues.

While science and technology sessions dominate the schedule for the August 14-27 Snowmass workshop sponsored by the American Linear Collider Physics Group, three groups will also begin coming to grips with critical issues for grounding the proposed International Linear Collider in the real world: costing, siting and communicating.

Global Group 5 ("Cost and Engineering") is working to find common standards within established procedures of the Asian, European and American regions. The next step is to set rules for the multi-regional ILC project in handling cost and engineering issues. Costing takes in such areas as contingencies, overheads, values for university contributions and industrial work. In engineering, for example, different regions use different safety codes, different engineering and design software, different software licensing agreements, and different information exchange methods for building databases. "We want to begin to get a snapshot of how people think," said Technical Division head Bob Kephart at Wednesday's ILC meeting in One West. Kephart is working with co-convenors Tetsuo Shidara of KEK and Wilhelm Bialowons of DESY. "We need to collect

## From *Interactions News Wire*, August 4, 2005

### DESY: Start of Free-Electron Laser

With the symbolic push of a button, German Federal Chancellor Gerhard Schröder handed over the new free-electron laser VUV-FEL at the research center DESY to the scientists on the afternoon of Wednesday, August 3. "This worldwide unique pioneering facility for free-electron lasers for the generation of X-ray radiation is thus now at the disposal of the scientific users," comments Professor Albrecht Wagner, Chairman of the DESY Board of Directors, who welcomed the chancellor together with Hamburg's Science Senator Jörg Dräger, Ph.D.

[Read More](#)

### Correction

The previous owner of the farmhouse where Fermilab Director Pier Oddone currently resides is Gilbert Barkei, not Berkey. We apologize to Mr. Barkei for the error.

### Announcements

#### Wilson Hall Interior Window Washing Starts Next Week

The cleaning crew will start washing the interior windows in Wilson Hall on Monday. Please remove any papers that are taped to the windows in your office. Please move any papers or other items on your desk that are near the windows. For questions, contact Enixe Castro at x2798. The windows will be cleaned according to this schedule:

August 8: 15th and 14th floors  
August 9: 13th, 12th, 10th floors  
August 10: 11th, 10th, 9th and 8th floors  
August 11: 7th, 6th, 5th and 4th floors  
August 12: 3rd, 2nd, 1st floors  
August 15: Ground floor and mezzanine

information," Kephart said. "Eventually, the Global Design Effort will establish cost and schedule information, and we want to provide guidance on how that might work."

The recently-formed Global Group 4 ("Civil and Siting") will begin assembling a "comparative site assessment matrix," as described by Vic Kuchler, head of Facilities Engineering Services Section. Kuchler, with co-convenors Jean-Luc Baldy of CERN and Atsushi Enomoto of KEK, will identify a characteristic sample site from each of the three regions to build a model for choosing the actual site. "We are not choosing THE site," Kuchler said. "We will choose a sample site that meets the criteria and use it to build our process. We will examine it and re-examine it to see if there's anything we have forgotten. We will have a sample site from each region to include in the Reference Design Report document."

Working Group 6 ("Communications") was established early in the organizing process for ILC. Judy Jackson, head of Public Affairs, said the group will launch a Web site at the start of the Snowmass workshop, with daily updates on the proceedings. "The goal of the group is to adopt a global strategic communications plan," Jackson said, "with timelines, schedules and policies." Jackson, Youhei Morita of KEK, Karsten Buesser of DESY and Neil Calder of SLAC are convenors of the group. Also, Elizabeth Clements will edit a new online weekly newsletter, *ILC This Week*. Formerly editor of *Fermilab Today*, Clements is now focusing specifically on communications for the GDE.

—Mike Perricone

August 16-17: Atrium

### **Fermi Singers Perform**

The Fermi Singers will be performing at Noon on August 14 at the "Art in Your Eye" event in Batavia.

[More Information](#)

### **New Classifieds on Fermilab Today**

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

### **Fermilab Film Series**

The Fermilab Film Series will present "The Great Escape" on Friday, August 5 at 8:00 p.m. in Ramsey Auditorium. Tickets are \$5.

[More Information](#)

### **Fermilab Arts Series**

The Fermilab Arts Series will present the World Dance Showcase on Saturday, August 6, 2005 at 8 p.m. Tickets are \$18.

[More Information](#)

### **Weight Watchers at Work Program**

Lose weight while you work! Join us for a free Open House Meeting at noon on Tuesday, August 9, 2005 in WH 15 NW. Register and Prepay on Tuesday, August 9, 2005. 10 Weeks for \$119.50, with no registration fee. Three Part Payment Available on Weeks 1 & 2. For more information please contact Bernie Dugan, x3591.

### **[Upcoming Activities](#)**

