

## Calendar

Monday, August 23

THEORETICAL ASTROPHYSICS

SEMINARS WILL RESUME IN THE FALL

3:30 p.m. DIRECTOR'S COFFEE BREAK

- 2nd Flr X-Over

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

Curia II

Special Topic: Linear Collider Technology

Recommendation

Tuesday, August 24

3:30 DIRECTOR'S COFFEE BREAK -

2nd Flr X-Over

4:00 Accelerator Physics and Technology

Seminar - 1 West

Speaker: A. Liapine, DESY

Title: High Precision Cavity Beam

Position Monitor

## Wilson Hall Cafe

Monday, August 23

Minestrone

Chicken & Mushroom Cheese Steak

\$4.75

Baked Chicken Enchiladas \$3.50

Carved Roast Beef \$4.75

Smoked Turkey Panini Pesto Mayo \$4.75

Fiesta Pizza \$2.75

Pacific Rim Rice Bowl \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

## Weather



Partly Cloudy 81°/62°

[Extended Forecast](#)

[Weather at Fermilab](#)

## SULI Interns Contribute to Fermilab Research



This year's SULI students stand with Roger Dixon (far left) and Eric Ramberg (far right). [\(Click on image for larger version.\)](#)

Participants in Science Undergraduate Laboratory Internships recently presented summaries of their 10-week research projects at Fermilab, ranging from work on the BTeV detector to developing triggers at CDF. SULI is a DOE-Office of Science program which offers stipends to undergraduates from U.S. universities to perform research projects at DOE laboratories.

"This was the first year Fermilab took advantage of the SULI program and it's been a smashing success," said Erik Ramberg of EPP. Ramberg worked with Roger Dixon, head of the Accelerator Division, to orchestrate informational sessions with theorists, tours of Fermilab experiments, and Indian Taco parties for the summer interns.

"This is the most important part of my job," Dixon said. "These kids are just desperate to learn, and they make great contributions. The only things we require of them are that they attend our meetings and social events, do a presentation and learn something. What Eric and I are more concerned about is making sure

## Safety Tip of the Week

### Move It



An example of a "less than ideal" loading technique.

You have something that needs to be moved from one location onsite to another. You have a vehicle and some co-workers who are willing to help. Should you move it yourself? If you can easily handle the item(s) with minimal risk, the answer is probably "yes."

Otherwise, Business Services Section has the proper equipment and professionals in the [Transportation Services Department](#) who can move things around the site for you. Brian Niesman is the supervisor for this organization. He explained that most things can get moved around the site via a simple phone call to the Dispatch Office at X3132. If the item happens to be hazardous, is on its way to the Property Office, or will be shipped offsite, you will also need to fill out a [Material Move Request](#) (MMR).

Niesman remarked that people onsite have moved things themselves using "less than ideal" techniques. Examples include improperly secured loads such as "free rolling" pressurized gas cylinders or workers holding upright electronics racks in the backs of pickup trucks. Niesman has also seen heavily overloaded

## Current Security Status

[Secou Level 3](#)

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that they don't end up washing their advisors' circuit boards."

This year's SULI interns represented about half the number of interns working with Dixon and Ramberg.

"Because of budget cuts this year, SULI was crucial to our internship program," Dixon said. "It helped us to keep the same number of interns, which is an investment in the future we can't afford to lose."

[read more](#)

## Future Teachers Complete Internships at Fermilab



Amani Abuhabsah talks about grassland birds at Fermilab. (Click on image for larger version.)

Amani Abuhabsah, Sarah Starks and Amy Fehrman recently wrapped up their summer internships in the Pre-Service Teacher internship program with research presentations on ecology, carried out with mentoring from Rod Walton of FESS. A DOE-funded program, PST helps future teachers increase their scientific knowledge by working at a national laboratory.

"Our hope is that the program will provide teachers with a good experience that will help them improve science education in America," said Spencer Pasero, who manages the program for the Education

vehicles with suspensions that have bottomed out and bumpers nearly dragging. The safety concerns with these kinds of practices are pretty obvious, not to mention the risk of damage to materials and equipment. If you need help moving something onsite, don't hesitate to give the Dispatch Office a call.

Have a great day and let's work safely all week!

[Safety Tip of the Week Archive](#)

## Accelerator Update

August 18 - August 20

- During this 48-hour period Operations established no stores. An existing store provided approximately 25 hours and 1 minute of luminosity to the experiments.
- Many machine studies occurred during this time period.
- The TeV lost its ramp due to a ground fault on Thursday afternoon, 8/19/04. The search for this ground fault still continues.
- The Fermi accelerator complex begins its 13-week shutdown on Monday, August 23, 2004 at 7:00 a.m.

[View the current accelerator update](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

Upcoming classes

August 24 - Word Intro

August 25 - Adobe Acrobat 6.0 Prof. - Forms, Security & Accessibility (one half day)

August 31 & Sept. 2 - Cascading Style Sheets (two half days)

Sept. 14 - 16: JavaScript Programming

October 5 - Excel Intermediate

October 6 - Access Intermediate

October 19 - Word Advanced

[more information](#)

Office. "We try to get biology and physics students."

Presentations focused on Henslow's sparrows, the populations of grassland birds in different parts of the site, and the types and amount of vegetation in the Big Woods that are eaten by deer.

"I have an appreciation of science now," said Abuhabsha, a graduate of the University of Illinois at Chicago. "I'm going to be teaching seventh grade science, and I think that this real-life experience has helped me to understand the importance of data collection and of working with experts."

### In the News

#### From the **BBC News**, August 20, 2004

Particle collider edges forward

A key decision on the International Linear Collider, one of the grand scientific projects of the 21st Century, has been taken in China.

Physicists told a Beijing conference that the multi-billion-dollar project should use superconducting technology to create its particle collisions.

These would be high-energy impacts inside a 30 km-long laboratory.

The experiments should give scientists a deeper understanding of the materials used to construct the Universe.

At the moment, the so-called Standard Model of particles and their interactions provides only a partial picture of the nature of the normal matter we see around us.

#### Free English Classes

NALWO-sponsored free English language classes for beginning and advanced levels are Mondays at the Users Center from 9:30 a.m. to 11:00 a.m.

#### Fall Muscle Toning Class

The next Muscle Toning Class will be held in the Recreation Facility beginning September 7 and run until September 30. The cost for this 4 week session is \$32.00. Classes are held in the Exercise Room on Tuesday and Thursday from 5:30-6:30 p.m. You must be a current member to participate.

2005 Recreation Facility Memberships  
Memberships for 2005 go on sale in the Recreation Office September 1. All new members that join in September receive 13 months for the price of 12. Rates will stay the same as 2004, \$75.00 regular membership and \$45.00 for a graduate student membership. If you want to check out the facility before you join, give us a call and we will give you a one day pass to access the facility. 2004 memberships will expire October 1.

#### Scottish Country Dancing

Scottish Country Dancing will be held at 7:30 p.m. Tuesday, August 24 at the Geneva American Legion Post, 22 South Second St. in downtown Geneva, one block west of Route 31 and one block south of Route 38, across from the Geneva Public Library. Newcomers are always welcome. Info at 630-584-0825 or 630-840-8194 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

[read more](#)