

Calendar

Friday, August 19

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

2nd Flr X-Over

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

Speaker: C. Howcroft, California Institute
of Technology

Title: Charge Separated Atmospheric
Neutrinos at the MINOS Far Detector

Monday, August 22

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

2nd Flr X-Over

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

Note: Particle Astrophysics Seminars will
resume in the Fall

Weather



Partly Cloudy 86°/69°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Annual GSA Triathlon Set For This Saturday



Two participants of the 2004 GSA Triathlon
wind their way through Fermilab's prairie.
(Click on image for larger version.)

Any and all interested Fermilab Users,
employees, graduate students, family and
friends are invited to take part in this
summer's annual GSA Triathlon. The race
will consist of an 800 yard swim followed
by a 20 kilometer bike ride around the
Fermilab site and a five kilometer run,
and begins at 8 a.m. on Saturday, August 20
at the village pool.

"For a triathlon, this one is very easy
going," said GSA officer Jen Pursley. "It's
meant for everyone to participate in at
their own levels."

Registration for the triathlon is free. While
the GSA officers encourage participants
to register before August 20, anyone
ready to race at 8 a.m. on Saturday is
welcome. Racers can compete
individually or as a member of a two to
three person team, and the top male and
female finishers will receive a prize.

"I hope the participants enjoy the race,"
said Pursley. "This is a chance to have a
good time and to meet other people who

ILC This Week

ILC NewsLine Feature: And Yet They Will Collide



Phil Burrows of Queen Mary University
describes the challenge of making electron
and positron beams as small as possible at
the interaction point.

*The following appears in the inaugural
edition of [ILC NewsLine](#), the weekly e-
mail newsletter of the International Linear
Collider Global Design Effort.*

Despite the nanometer size of the
bunches of electrons and positrons
produced at the future International Linear
Collider, they will collide! The ILC will
produce the tiniest particle beams ever
created, some 10 billion electrons and
positrons packed into five-nanometer
beams. Controlling the alignment of the
beam will be crucial. Further, after
interaction, the 10 Megawatt beam must
be extracted safely, to protect both the
detector and the accelerator.

"The great challenge is to make the
beams as small as possible at the
interaction point," said physicist Phil
Burrows, of Queen Mary, University or
London, "keeping in mind that we have to
make these tiny spots collide."

Friday, August 19

Old Fashioned Ham & Bean Soup

Black & Blue Cheeseburger \$4.85

Chicken Wellington \$3.75

Stuffed Manicotti \$3.75

Roasted Veggie & Provolone Panini

\$4.75

Assorted Pizza Slices \$3.50

Vegetarian Stir Fry \$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 24

Lunch

Curried Chicken & Pineapple Salad

Raspberry Sherbet w/Raspberry Sauce

Thursday, August 25

Dinner

Melon and Prosciutto

Scallops in Maple Cream

Sautéed Pea Pods

Black Forest Parfait

[Chez Leon Menu](#)

Call x4512 to make your reservation.

Search

Search the Fermilab Today Archive

Info

share your same interests. Who knows, you could find a new running buddy at the triathlon."

[More Information](#)

—Kelen Tuttle

New Life Insurance Plan Offered to Employees

The Fermilab Benefits Office has selected an enhanced life insurance plan for all eligible employees with Life Insurance Company of North America, CIGNA. Employees may apply for life insurance coverage for themselves and their dependent(s) during the open enrollment period that starts on August 22 at 8:00 a.m. and ends on September 12 at 5:00 p.m. The guaranteed portion of this coverage will be effective on November 1, 2005.

A representative from the insurance carrier will give several presentations to explain the plan in detail and answer questions. These presentations will occur in Wilson Hall, 1 West, on August 22 at 10:00 a.m. and 12:00 p.m.; August 24 at 12:00 p.m. and 2:00 p.m.; and August 26 at 11:00 a.m. and 1:30 p.m. Since this is a new life insurance plan with very different features, the Benefits Office strongly recommends that employees attend one of the presentations.

If employees do not wish to make any changes to their life coverage, they do not need to complete any forms. For those employees wishing to increase their level of coverage, open enrollment forms and insurance applications are available at the Benefits Office.

"It's important for employees to plan what

The scientists of Snowmass Working Group 4, "Beam Delivery," are studying this problem, looking at everything that happens after the Main Linac, including Beam Delivery, interaction point, crossing angles and feedback system. Will there be two interaction points? What will be the collision angle? There are myriad questions to address.

[Read more](#)

[Linear Collider News Archive](#)

Photo of the Day



Fermilab User Gavin Hesketh of Northeastern University took this photo of a Praying Mantis crawling up his DZero trailer window on Wednesday afternoon. (Click on image for larger version.)

Announcements

ILC Newsletter Launches

ILC NewsLine, the International Linear Collider Global Design Effort's e-mail newsletter, released its inaugural issue yesterday. [Subscribe](#)

4th Annual GSA Triathlon

This 800 yard swim, 20 km bike ride and 5km run will take place at 8 a.m. on Saturday, August 20. Racers can participate individually or as a member of a 2-3 person team. To register, contact the [GSA officers](#). Registration is free.

[More Information](#)

Fermilab Today is online at:

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

Send comments and suggestions to

today@fnal.gov

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will happen to their families in the event of their death," said Wilma Cardona from the Benefits Office. "I recommend that employees review the brochure they received in the mail and work through the calculation worksheet to ensure that they have adequate amounts of life insurance."

[More Information](#)

—*Kelen Tuttle*

In the News

From *Physics Web*, August 16, 2005

Number Theory

By Belle Dumé

A physicist in the US has proposed a new way of quantifying the scientific output of individual scientists. Jorge Hirsch of the University of California at San Diego says that the "h-index"—which is derived from the number of times that papers by the scientist are cited—gives an estimate of the "importance, significance and broad impact of a scientist's cumulative contributions." According to Hirsch the h-index "should provide a useful yardstick to compare different individuals" when recruiting new staff, deciding promotions and awarding grants.

[Read More](#)

Bristol Renaissance Faire: Kenosha, Wisconsin

This year's Faire offers entertainment on 16 open-air stages, 50 food booths and over 180 high quality arts and crafts shops. The Faire runs through September 5 on Saturdays, Sundays and Labor Day Monday, 10:00 a.m. until 7:00 p.m. (rain or shine). Discounted tickets (\$15.75 adults, \$7.50 children) are available in the Recreation office Tuesday through Thursday.

Entertainment Books

Entertainment Ultimate Books offer 50% off and 2-for-1 savings on local dining, movies, attractions, sports and more. The books cost \$25.00 and expire on November 1, 2006. Pick up your book today in the Recreation Office, WH15W.

[More Information](#)

Vending Machines Out of Service

Vending machine services will not be available for 2 to 3 days during the week of August 22. The vending machine operation for the entire Lab is being transferred to another organization during this time. Full service should be restored by the end of the week.

[More information](#)

New Classifieds on Fermilab Today

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

[Upcoming Activities](#)