

Calendar

Monday, June 21

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: Experimenter

Contributions to Main Injector

Improvements

Tuesday, June 22

[Lattice 2004](#)

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

- 2nd Flr X-Over

4:00 p.m. Accelerator Physics and

Technology Seminar - Huddle (NOTE

LOCATION)

Speaker: R. Fliller, Brookhaven National

Laboratory

Title: RHIC Crystal Collimation

Wilson Hall Cafe

Monday, June 21

French Quarter Gumbo

French Dip w/ Horseradish Cream Sauce

\$4.75

Pork Piccata with Lemon Caper Sauce

\$3.75

BBQ Roasted Quartered Chicken \$3.75

Italian Panini with Provolone \$4.75

Bacon Cheeseburger Pizza \$2.75

Sweet n' Sour Chicken with an Egg Roll

\$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather

Lattice 2004 Symposium This Week

Lattice 2004, The

22nd International

Symposium on

Lattice Field

Theory, begins

today at Fermilab.

Over 280 people

have registered for

the conference, which will run through

Saturday. Everyone is welcome to attend

the symposium. Plenary sessions will be

Tuesday and Saturday morning and

Wednesday and Friday afternoons in

Ramsey Auditorium, and parallel sessions

will run Tuesday through Friday in several

Wilson Hall conference rooms.

"We scheduled the plenary sessions so that each day, some talks would be of broader interest to particle physicists," said Fermilab theorist Andreas Kronfeld, co-chair of the local organizing committee. "We encourage people to come to any talks that they're interested in."

As part of the symposium, Nobel Prize-winner Kenneth Wilson will discuss the origins of lattice gauge theory at this week's colloquium in Ramsey Auditorium. Flavor physics will be discussed Friday afternoon during an extended "wine-and-cheese" seminar.

The conference was organized jointly by Fermilab, Argonne National Laboratory, and the University of Illinois at Urbana-Champaign. For more information, visit the [Lattice 2004 website](#).



Safety Tip of the Week

Mosquito Madness



Several mosquito traps are located around Fermilab's site.

The mosquitoes are back! And with them is the threat of West Nile Virus. Kane and DuPage counties have received a combined \$188,000 from the state this year for the prevention and control of mosquitoes and analysis of dead birds to determine the extent of the virus.

The picture above shows a mosquito trap, like several located around the Fermilab site, that capture mosquitoes for testing. So far in Illinois in 2004, there have been no human cases of WNV reported, but infected birds have been detected in 17 counties, including Kane and DuPage. DuPage County has recorded the only infected mosquito populations so far this year in Illinois.

WNV infects certain wild birds, especially crows and blue jays when they are bitten by infected mosquitoes. If you see a dead crow or blue jay, you can report it to the local health department (630-682-7400 for DuPage County; 630-208-3801 for Kane County). These are the only birds that will be tested, and be aware that not all dead crows or blue jays will be picked up.



Thunderstorms Likely 73°/55°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Search

Search the Fermilab Today Archive

Info

Fermilab Today is online at:

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

Send comments and suggestions to

today@fnal.gov

[Fermilab Today archive](#)

[Fermilab Today PDF Version](#)

[Fermilab Today classifieds](#)

[Subscribe/Unsubscribe to Fermilab Today](#)

We Need Your Stories!

Fermilab Stories 2 - The Video

Coming this fall, "Fermilab Stories 2 - The Video" will feature more stories about the famous and not-so-famous happenings that make Fermilab truly unique. Brought to you by the Education Office and Visual Media Services, the tales will be told by the people who have done the work and made the stories.

Do you have a yarn to tell? Call or email [Fred Ullrich](#) at x4364 today to schedule a time to be recorded. If your segment is not used in the upcoming edition, it will be included in a future sequel. Not sure about your story? Contact us anyway to find out.

[View Fermilab Stories 1 - The Video](#)

Third Thursday Lunchtime Cleanup Has Record Number of Volunteers



Volunteers at the most recent Third Thursday Lunchtime Cleanup (Click on image for larger version.)

The best way to prevent WNV is to prevent the mosquitoes by:

- eliminate all sources of standing water that could breed mosquitoes, such as water in empty cans, tops of 55 gallon drums, old tires or any other receptacles.
- avoid going outdoors when mosquitoes are active, especially between dusk and dawn.
- wear shoes and socks and long pants and a long-sleeved shirt, and apply insect repellent that includes DEET according to label instructions.
- confirm your building's integrity. Repair or replace screens or other routes for mosquitoes to get inside.

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

[Safety Tip of the Week Archive](#)

Announcements

Upcoming Classes

June 21-25: LabView Intermediate I: Suc. Dev. Prac. (two sessions AM & PM)

June 29-July 1: HTML Intermediate: Enhanced Layout (two half days)

June 30: Excel Intro

July 8, 21: Accomplishment Report Writing

July 30: Excel Intermediate

August 3 & 5: HTML Intro, Intro to Web Publishing (two half days)

August 4 & 11: Adobe Acrobat 6.0 Prof. (two half-days)

August 4, 12: Goal Setting

August 5: Performance Appraisal Workshop

August 10: Access Intro

This month's Third Thursday Lunchtime Cleanup had a record number of volunteers. Twenty-seven people spent their lunch hour picking up trash along B-Road, between A-1 and Batavia Roads. "There were so many people, we had to take two bus trips from Wilson Hall," said Bob Lootens of Roads and Grounds, an event organizer. "The cleanups have done pretty well this past year, but this was the best one." The next cleanups will take place on July 15 and August 19. [more information](#)

Accelerator Update

June 16 - June 18

- Operations established one store during this 48 hour period. This store combined with an existing store provided approximately 23 hours and 42 minutes of luminosity to the experiments.
- TeV changed separator helix voltage
- Recycler stashed antiprotons
- MI, Pbar, and TeV experts conducted many studies
- DZero required access to repair detector

[View the current accelerator update](#)

[View the Tevatron Luminosity Charts](#)

In the News

From *PhysicsWeb*, June 18, 2004

New particle baffles physicists

The SELEX collaboration at Fermilab in the US has discovered a new sub-atomic particle that consists of a strange quark and a charm antiquark (arXiv.org/abs/hep-ex/0406045). In addition to being the heaviest so-called heavy-light meson ever detected, the new particle also decays in ways not predicted by theory. The results will be presented at Fermilab today.

August 24: Word Intro

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

Sept. 14-16: JavaScript Programming [more information](#)

2004-05 Housing Requests Deadline

The deadline for Fall 2004/ Spring 2005 housing requests is July 1, 2004.

Requests may be made by either calling the Housing Office on ext. 3777 or sending e-mail to: housing@fnal.gov

Red-Tail Hawk Found

Thanks to all of the phone calls from Fermilab employees, the missing Red-Tail hawk, Ottawa, was found on Fermilab's site this weekend. Ottawa's owner is ecstatic to have her back safely.

Free English Classes

NALWO sponsored free English class: Beginners and advanced; Mondays at the Users Center from 9:30 a.m. to 11:00 a.m.

Scottish Country Dancing

Scottish Country Dancing will be held at 7:30 p.m., Tuesday, June 22, at the Geneva American Legion Post.

Newcomers are always welcome. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

Claim Your Bikes Outside Wilson Hall

Wilson Hall Building Manager Stan

Boyson requests all bicyclists to claim

their bikes that are located in the Wilson

Hall bike rack. Tags will be placed on all

of these bikes. Bicyclists must remove the

tag and bring it to the ComCenter on the

Ground Floor of Wilson Hall. Bikes that

are not claimed by June 21 will be

Mesons are particles that contain a quark and an antiquark held together by the strong nuclear force. There are six different "flavours" of quark -- up, down, strange, charm, bottom and top -- so it is possible to create a large number of different mesons. The new meson found by SELEX (Segmented Large X baryon Spectrometer) contains a strange quark, which is a light quark, and a charm antiquark, which is much heavier.

[read more](#)

removed and relocated to storage.
Contact Stan Boyson at x4753 with any questions.