

Calendar

Friday, June 10

9:00 a.m. GSA – [Annual Fermilab Student Conference](#) – New Perspectives 2005 - Curia II

12:00 p.m. Summer Lecture Series - 1 West

Speaker: L. Lederman, Illinois Math and Science Academy/Fermilab

Title: Neutrinos: Past, Present and Future

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Speaker: R. Erbacher, University of California, Davis

Title: Top Quark Properties from CDF

Saturday, June 11

9:00 a.m. GSA – [Annual Fermilab Student Conference](#) – New Perspectives 2005 - 1 West

Monday, June 13

2:30 p.m. Particle Astrophysics Seminar - Curia II

Speaker: M. Crisler, Fermilab

Title: A Continuously Sensitive Bubble Chamber for Dark Matter Searches

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

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

Special Topic: Beam-Beam Effects: Now and After Upgrades

Weather

Hopes and Stakes Are High As Users Ponder the Future

The Office of Science hopes a new advisory panel can open doors that are "not easily opened." The advisory panel, EPP2010, hopes to reverse a five-year budget trend of "systematically dis-investing in physics." Fermilab hopes that both succeed in clearing a path to the proposed International Linear Collider that would ensure its long-term future and its return to the high-energy frontier. And the recently-appointed director of the Global Design Effort believes Fermilab "can position itself well — if we go forward — to bid to host the ILC, without mortgaging the rest of its program."



Thursday's presentations demonstrated the high stakes for the field, as the Annual Users' Meeting drew to a conclusion with talks by Robin Staffin, Associate Director for High-Energy Physics in the DOE Office of Science; Charles Shank, former director of Berkeley Lab and a member of the National Academies' EPP2010 panel on the future of high-energy physics; Pier Oddone, Fermilab Director-Designate, and Barry Barish, head of the Global Design Effort for the

proposed International Linear Collider.

Fred Bernthal presented the URA Thesis Award to Konstantin Anikeev yesterday. (Click on [image for larger version.](#))

DOE Safety Review at Fermilab Next Week

From June 13-17 the Office of Science will perform the eighth of nine electrical safety reviews scheduled for Fermilab. Director Dr. Raymond Orbach requested these reviews to obtain an overview of the status of energized electrical work and to assist the lab in ensuring electrical safety. Keith Schuh of Fermilab's Particle Physics Division ES&H department said that the review should make available "an independent assessment of the planning and performance of energized electrical work."



The review team will evaluate how Fermilab plans and executes electrical work, specifically with reference to the requirements in NFPA 70-E "Standard for Electrical Safety in the Workplace" and the lab's own FESHM electrical safety chapters. "My hope," said Schuh, "is that the review team finds many noteworthy practices at Fermilab, and that our program can be used as a model for other labs."

Schuh planned the review team's schedule while on site, and foresees no interruptions as a result of their visit. "It shouldn't affect more than 25 people in total," he said. Far from disrupting current work, the team will focus on planning and management, emphasizing the importance of implementing safety procedures by training contractors and subcontractors in the Department of



Chance Thunderstorms 90°/69°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Friday, June 10

- Cream of Wild Mushroom Soup
- Blackened Fish Filet Sandwich \$4.85
- Southern Fried Chicken \$3.75
- Casserole Florentine with Italian Sausage \$3.75
- Eggplant Parmesan Panini \$4.85
- Pizza Supreme \$3.00
- Baked Potato Bar w/ Chili \$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](#) is now open. Call x4512 to make your reservation.

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Alvin Tollestrup presented the Postdoctoral Research Award to Reinhard Schwienhorst yesterday. (Click on image for larger version.)

including a world-best measurement of the B(s) average lifetime; while Reinhard Schwienhorst, of Michigan State University and DZero, received the Alvin Tollestrup Award for postdoctoral research, for his work in searching for single Top production. Both awards are funded by Universities Research Association, Inc. While reading the citation for the postdoc award, Tollestrup added a comment that could serve as a memorable if unintentional metaphor for current issues: "The physics of today is limited by the background of the physics of yesterday."

[read more](#)

-Mike Perricone



Barry Barish reported the latest ILC news at yesterday's meeting. (Click on image for larger version.)

On the Job with CSI Group: Backups to Data to Donuts

Personifying the future of the field, Konstantin Anikeev, of MIT and CDF, received the URA Thesis Award for his measurements of the lifetimes of B-meson states,

Energy and Fermilab's safety requirements. The review team will conclude their visit with a Flash Hazard Training session at 8:30 a.m. on Friday, June 17. This presentation is aimed at the entire Fermilab community to spread awareness of possible electric hazards during work here at the lab.

- Amelia Greene

Florian Organizes Website for FNAL's Bike Commuters



Fermilab bike commuters registered on Florian's website have ridden a total of 19,949.33 miles since last July, with the most dedicated of commuters continuing to ride during the winter. (Click on image for larger version.)

As the full bike racks outside Wilson Hall attest to, many employees take advantage of Fermilab's many bike paths and beautiful natural surroundings and regularly commute to the lab on their bicycles. Bob Florian of the Accelerator Controls Department has been making his 7 mile trip to work on his bike for years, and after noticing how many others commute using bicycles, Florian set up a [Web site](#) for his fellow riders last July.

"I have been riding to work for many years, especially during the summer." Florian said. "I was aware of other riders and thought it might be interesting to get information about things like how much gas we're saving or how many miles we ride."

Since Florian created the site 11 months

[Fermilab Safety Tip of the Week archive](#)

[Linear Collider News archive](#)

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Members of the CSI group, from left to right: Troy Dawson, John Bellendir, Tim Rupp Jack Schmidt, Cele Bruce, Mark Mengel, Kevin Hill, Ray Rarey, John Inkmann, Connie Sieh, Ken Fidler, Al Lillianstrom, Ray Pasetes, Andy Romero, Laura Mengel, and Jim Fromm. (Click on image for larger version.)

The Core Servers and Infrastructure group, part of the Core Support Services section of the Computing Department, handles everything from instant messaging and web servers, to new software design and protection against hackers and viruses. Processing 1 million email messages and 1500 printing jobs a day, the CSI group is vital to everyone at the lab who relies on a computer.

Although they do not work directly on those computers that run experiments, CSI members are responsible for massive data backups and are on call to assist users whenever a Help Desk ticket is opened. They also run the central monitor NGOP which discovers viruses or other problems with computers before the user experiences them. In addition, members of the group work directly with department heads, so that each one becomes familiar with a specific area of computing. "Right now budgets have just come in," said group leader Jack Schmidt. "We are helping different groups decide how to get the most effective computer or software."

ago, 51 riders have registered and 45 have entered information about subjects including their mileage and the weather conditions during their ride. Florian collects the individual riders' data and compiles it into statistics about the lab's biking community. As of June 9, 2005, Fermilab's bicycle commuters had saved 725.430 gallons of gas and had burned a total of 727,868 calories.

Florian has also registered Fermilab for the Chicagoland Bicycle Federation's Commuter Challenge, a part of the organization's Bike to Work Week (June 11-17). He will submit the number of Fermilab employees who bike to work at least once during that period to the Federation, and organizations with the highest percentage of bike-riding employees during the week will receive awards. To sign up for both Bike to Work Week and Florian's regular website, contact florian@fnal.gov.
- Elizabeth Wade

Announcements

Robin Staffin To Speak at SLAC on Monday - Streaming Video Will Be Available

On Monday, June 13, Robin Staffin, Associate Director in DOE's Office of Science, will speak on the state of the national high energy physics program and its future at 4:15 p.m. PST. Streaming video will be available.

[more information](#)

Karaoke at Users Center

This Friday, from 7 p.m. to close, DJ Dreamwave will present NY Style Karaoke at the Users Center: bring your own Karaoke CD or choose from the DJ's selection; perform as singer, backup

Laura Mengel, head of the Web Server Office, also works with K-12 teachers to help them learn to use computing in the classroom. "We are trying to get them to use the internet like scientists," she said. "Instead of reading about an experiment, students can perform it." Each member brings something different to the group. "We all have our strengths," said Schmidt.

A lot of fun is scattered in the Linux development, SMS counting and AFS work that this department takes care of: "We're a pretty fun group." Schmidt admitted. The team keeps its energy up with practical jokes, and with coffee and donuts in constant supply. And it's always good to see them happy: All of our computers depend on it.

- Amelia Greene

In the News

From *Nature Magazine*, June 2005

High-Risk Physics

by Geoff Brumfiel

In the world of billion-dollar particle physics, one lab is taking an enormous gamble on its future. Geoff Brumfiel takes a look at Fermilab's hopes to host the next big machine.

Sitting in a temporary office, Pier Oddone seems relaxed, even confident. Next month, the 60-year-old physicist takes the helm of the leading highenergy physics laboratory in the United States, at a time when the lab's particle accelerator — its raison d'être — is scheduled to close within five years. But Oddone is optimistic about the lab's future. "It is a tremendous opportunity to move vigorously in new directions," he says.

[Read more](#)

singer or backup dancer; take home a CD with the recordings of your song(s). Bring your friends for an evening of fun.

New SciTech Exhibit!

The SciTech Museum in downtown Aurora presents a new traveling exhibit, "Masters of the Night: The True Story of the Bats." Learn more about these flying mammals and the hundreds of species that exist. The exhibit runs through September 11. Admission is \$7 and includes the [Outdoor Science Park](#). To obtain a \$1-off coupon, visit [SciTech online](#).

New Classifieds on *Fermilab Today*

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

Fermilab Folk Club Barn Dance

The next Fermilab Folk Club Barn Dance will be on Sunday, June 12 at 6:30 p.m. with music by the Friends of Walter and calling by Dan Saathoff.

[more information](#)

[Upcoming Activities](#)

