

## Calendar

**Fri., August 17**  
**3:30 p.m.**  
 DIRECTOR'S COFFEE  
 BREAK - 2nd Flr X-Over  
**3:30 p.m.**  
[Joint Experimental-Theoretical Physics Seminar](#) - One West  
 (NOTE TIME)  
 Speaker: B. Rebel, Fermilab  
 Title: New Atmospheric Muon Physics Results in the MINOS Far Detector

**Mon., Aug. 20**  
 PARTICLE ASTROPHYSICS SEMINARS WILL RESUME IN THE FALL  
**3:30 p.m.**  
 DIRECTOR'S COFFEE  
 BREAK - 2nd Flr X-Over  
**THERE WILL BE NO ALL Experimenters' Meeting THIS WEEK**

[Click here](#) for NALCAL, a weekly calendar with links to additional information.

## Weather

 Sunny 80°/52°

[Extended Forecast](#)  
[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

**Friday, Aug. 17**  
 - Old Fashioned Ham & Bean  
 - Philly Style Chicken  
 - Braised Pork Chops  
 - Baked Fish over Rice  
 - Roasted Veggie & Provolone Panini  
 - Assorted pizza slices  
 - Baked Potato

[Wilson Hall Cafe Menu](#)

## Chez Leon

## Feature

### Kunz helps to get the word out about Fermilab

For her job as a local newspaper reporter, Tona Kunz often reported on events at Fermilab. Now she'll have even more opportunities to write about the laboratory.

On Monday, Kunz started her new job as senior writer and editor in the Fermilab Office of Communication (formerly the Office of Public Affairs). From *Fermilab Today* to *symmetry* magazine, from press releases to covering community events, Kunz will contribute to Fermilab's communication efforts.



Tona Kunz

"When I told people that I am going to work for Fermilab, almost all said, 'I know somebody else working there,'" said Kunz, who has a degree in journalism from the University of Missouri-Columbia. "It is amazing how many connections there are between Fermilab and the local community. Yet many people don't know exactly what Fermilab does. There is this great scientific and environmental jewel that people don't really know about."

Kunz is eager to help Fermilab get the word out about life and research at the laboratory and its plans for the future. "I like going out to people," said Kunz, who worked for the Daily Herald for seven years before joining Fermilab. Her family, with seven-year-old Evan, lives in Geneva and is active with the Cub Scouts, the TriCity soccer league and Holy Cross Church.

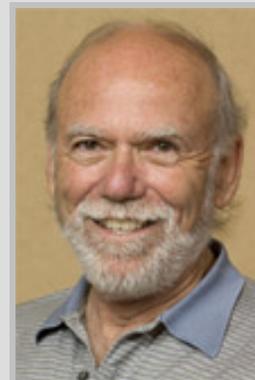
Looking back at the Fermilab stories she covered for the newspapers, Kunz in particular remembers the presentation by Norm Augustine on "Rising Above the Gathering Storm" and the American Competitiveness Initiative in May 2005. "I think Fermilab is very important for the area," she said. "It is one of the places that will help the U.S. prepare for the future."

--Kurt Riesselmann

## From ILC Newsline

### Physics of the top quark

This week I am participating in the XXIII International Symposium on Lepton and Photon Interactions at High Energy (LP07) in Daegu, Korea from 13 to 18 August 2007. The Lepton-Photon Symposium is held every other year and is sponsored by the International Union for Physics and Applied Physics (IUPAP). It is the major international particle physics conference in odd-numbered years and maintains a very successful format of all-plenary rapporteur talks that review the current status of a broad range of topics at the forefront of particle physics research.



Barry Barish

This year's meeting got off to a good start, as the very first scientific talk was on the physics of the top quark. In a fast moving field like particle physics, we often joke that this year's discovery becomes next year's background as we quickly move on to new science goals.



Robin Erbacher in good company

On the other hand, a new discovery can just as well open up promising new areas of research. Here at LP07, Robin Erbacher of University of California at Davis presented a talk packed with results on "Top Quark Properties" that illustrates the richness and potential of pursuing studies of our heaviest quark.

As the heaviest quark, the top quark is the most extreme case of what we refer to as electroweak symmetry breaking -- the fact that different quarks have different masses. As a consequence, the top quark presents important opportunities towards understanding the nature of the basic constituents of matter and their interactions. The search for the top

**Wednesday, August 22**

**Lunch**

- Sausage & roasted pepper & three cheese calzone
- Caesar salad
- Peach cardinale

**Thursday, August 23**

**Dinner**

Closed

[Chez Leon Menu](#)

Call x4598 to make your reservation.

**Archives**

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[ILC NewsLine](#)

**Info**

Fermilab Today is online at: [www.fnal.gov/today/](http://www.fnal.gov/today/)

Send comments and suggestions to: [today@fnal.gov](mailto:today@fnal.gov)

**Milestones**

**Ron Davis retires**

Ron Davis, technical specialist of the Vacuum, Cryogenic and Instrumentation Group of PPD, retires today, August 17, after almost 37 years at Fermilab. His retirement luncheon will be held at Riverview Banquets in Batavia on August 31 at 11:30 a.m.



Ron Davis

"Ron is a dependable, competent and highly knowledgeable Technical Specialist who has always demonstrated great commitment and good leadership skills," said Cary Kendziora, a senior engineer Associate in the Vacuum, Cryogenic and Instrumentation Group of PPD who has worked with Davis for the last 25 years. "Ron's expertise will be significantly missed by his coworkers and all of the friends that he has made here at the lab. He is an all-around great guy and a pleasure to work with."

Davis began his career at Fermilab as a technician in 1971, working at the 15-foot bubble chamber. Throughout his career, he has successfully completed the fabrication, installation and commissioning of many devices, systems and projects including the NuMI vacuum system and the E-835 hydrogen gas jet used in the anti-proton source.

Davis has currently been contributing to the development of the argon purification system for the LAr TPC project, which has produced argon with impurities at the parts-per-trillion level.

His retirement plans include home improvement projects and travel with his wife Carol to many destinations, including Hawaii.

**In the News**

quark took a long time and was one of the primary goals of particle physics in the early 1990s, finally yielding the discovery from two Fermilab experiments (D0 and CDF) in 1994 and 1995. Due to the unexpectedly large mass and many decay channels, the top quark discovery did not come early or easily. There was no "smoking gun," but rather a detailed set of measurements, when combined made a consistent and convincing case that the heaviest standard model quark had been observed.

[Read more](#)

-- Barry Barish

**Announcements**

**New hours for village pool**

The Village Pool schedule has changed due to staffing shortages. You can find the current schedule [here](#). A schedule will also be posted on the bulletin board at the pool. Please contact the Recreation Office at x2548 if you have any questions.

**Steering Group draft report discussions**

All Fermilab employees and users are invited to attend the upcoming presentations and discussions of the Fermilab Steering Group draft report. The first meeting will be on Friday, August 24 at noon in Ramsey Auditorium. To give users more time to make travel arrangements, a Town Hall meeting organized by the Users Executive Committee has been scheduled for Thursday, September 27 at 5 p.m. in One West. Fermilab Deputy Director Young-Kee Kim will lead the program at both meetings.

**NALWO end of summer picnic Aug. 24**

NALWO will host an end of summer picnic on August 24 at 5:30 p.m. The event will be located in front of the Kuhn Barn in the picnic area, or in the barn in case of rain. Employees, users and their families are invited. Attendees should bring a dish to share and something for the grill. Small favors will be provided for children. Please contact [Jennifer Jansson](#), 879-0172 for more information.

**Wisconsin Dells Discount Book**

Today is the final day to purchase the Wisconsin Dells Coupon book. Books are still available in the Recreation Office and the discounts are good until April 1, 2008. The cost of the book is \$20.

**Wed. bowling league looking for players**

The Fermilab Wednesday night [bowling](#)

**From *The New York Times*,  
August 14, 2007:**

**In the Footsteps of His Uncle, Then His  
Father**

In Gino Segre's family, physics seems to be in the genes.

Dr. Segre is physics professor at the University of Pennsylvania. His uncle, Emilio Segre, was a winner of the 1959 Nobel Prize for the discovery of the antiproton. An older brother is a physicist, and an additional "six or seven" cousins do physics, too.

But Dr. Segre, 68, has a second profession: he writes popular books about the history of science. His most recent book, "Faust in Copenhagen: A Struggle for the Soul of Physics," about a 1932 conference at Niels Bohr's Institute for Theoretical Physics, has just been published, drawing praise from reviewers.

[Read More](#)

[league](#) is looking for individuals or teams interested in joining their co-workers this season at Bowling Green Sports Center on Rt.38 just west of Rt.59. The season starts on Sept. 5, 2007 at 5:30 p.m. and lasts for 30 weeks. Cost is \$14.00 per week and includes cost of bowling plus year-end prize fund. For more information, contact Al Legan X4074, Rich Neswold X3454 or Jeff Artel X3325.

**Classifieds**

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

[Additional Activities](#)