

Calendar

Friday, November 12

8:30 a.m. [Presentations to the PAC](#) - Curia II

3:30 p.m. DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4:00 p.m. Joint Experimental Theoretical Physics Seminar - 1 West
Speaker: F. Halzen, University of Wisconsin, Madison

Title: Neutrino Astronomy at the South Pole: From AMANDA to IceCube

8:00 p.m. Fermilab Lecture Series - Auditorium

C. Haber, Lawrence Berkeley National Laboratory presents: Imaging the Voices of the Past: Using Physics to Restore Early Sound Recordings
Tickets: \$5

Monday, November 15

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

Speaker: M. Peloso, University of Minnesota

Title: Theoretical and Phenomenological Aspects of Massive Gravity

3:30 p.m. DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting - Curia II
Special Topic: Startup Plans

Wilson Hall Cafe

Lab Services Hires New Employment Manager

There is a new face on the 15th floor. On August 30, Tom McMahon became the new Employment Manager in Fermilab's Employment Office. Prior to joining Fermilab, McMahon, who by the way has no relation to Ed or Jim, worked for four major companies in Chicago, most recently U.S. Cellular.

As the Employment Manager, McMahon manages the support of all hiring at the lab, except for scientific appointments. He also oversees Fermilab's recruitment efforts (including diversity recruitment), conducts interviews, supports offers being made and manages new hire orientation. And with 20 years of human resources experience under his belt, McMahon has a lot of plans for Fermilab's Employment Office.



Tom McMahon

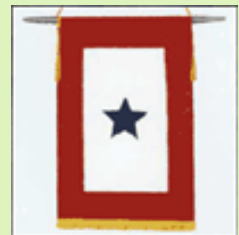
Even though McMahon has only been here a few months, the Employment Office is already taking a much more proactive approach to recruiting and hiring at the lab. "We have a new electronic applicant system that tracks candidates through an internal database. Before applications would just go into email," he said. The Employment Office has also started to utilize such internet recruiting sites as Monster and Careerbuilder. "We are going to put a whole new focus on employment that is

Fermilab Veterans Gather for Remembrance

Speakers ranged from recent Iraq veterans to a navigator on a B-29 bomber during World War II, as about 80 of Fermilab's Armed Forces veterans gathered at the Kuhn Barn on Thursday for their annual commemoration of Veterans' Day. "There was a lot of remembrance, and the theme was very patriotic," said Jed Brown, Associate Director for Operations Support, who served in the Army in both Viet Nam and the Gulf War.

Gregg Gilbert of FESS-Operations, whose Army service from 1972-74 included time in Korea, organized the event through-fittingly-volunteer contributions of time, effort, food, money, flags and banners, and anything else that was needed. "It's a time for us to get together to share the camaraderie and fellowship," he said. "There are many veterans throughout the lab who served in combat who especially deserve recognition."

Fermilab Security officers Danielle Peterson and Nichole Barth, who recently served in a Military Police unit, described their experiences in Iraq. Gilbert also had contact with a Marine, Matt Long, who was home on leave after serving in the Fallujah area that



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Old Fashioned Ham & Bean Soup
Black & Blue Cheese Burger \$4.75
Chicken Wellington \$3.75
Tex-Mex Lasagna \$3.75
Roasted Veggie & Provolone Panini
\$4.75
Pizza cacciatore \$2.75
Vegetarian Stir Fry \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather



Mostly Sunny 43°/23°

[Extended Forecast](#)

[Weather at Fermilab](#)

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[Secou Level 3](#)

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centered around our customers both internal and external," he said. "Fermilab recruiters will be out there and actively involved with hiring managers and new hires."

Raised in Oak Lawn, Illinois, McMahon has a B.S. in Management from Indiana University-Bloomington and an M.S. in Human Resources from Loyola University. He lives in the southwest suburbs with his wife and two sons, who are both very active soccer players. "I'm very excited about working at Fermilab," McMahon said. "The people here aren't here just because it's a job. They're really dedicated to what the lab is all about, and it is great to work in that kind of environment."

Fermilab's Know-How to Go Into Space



Members of the GLAST Team:(left to right) Ron Ray, Eileen Hahn, Lowell Klaisner, Phyllis Deering, Tom Johnson, John Korienek, Carl Lindenmeyer, Jim Schellpfeffer, Ron Miksa, Todd Nebel, Jack Upton, Steve Huey (Click on image for larger version.)

is now the center of heavy fighting. Long also spoke of his experiences. FESS-Operations retiree Paul Linden described his own especially tension-packed final mission as a B-29 navigator in the Pacific Theater. Linden's plane lost two of its four engines before landing on Iwo Jima.

The lab's veterans are an informal group connected by a Veterans' Net list. Gilbert urged any veterans not currently on the list to contact him (x6835) or Rafael Coll (x8518) to join up.

What's Up with the ILC?

The entire International Linear Collider series is [available online](#).

New Collaboration Seeks SMTF for Fermilab

A U.S. collaboration of 13 institutions has submitted an "Expression of Interest for the Superconducting Module and Test Facility (SMTF)" to Fermilab Director Michael Witherell, proposing the creation of a central infrastructure for R&D in module assembly and testing in a wide range of efforts. The collaboration encompasses institutions involved in the International Linear Collider (ILC); the Rare Isotope Accelerator (RIA); improvements to existing or planned electron beam accelerators and storage rings; the Fermilab Proton Drive; high-energy electron cooling, and various fourth-generation light sources.

The proposed SMTF facility would be

The Service Flag is an official banner authorized by the Department of Defense for display by families who have members serving in the U.S. Armed Forces during war or hostilities. (Click on image for larger version.)

When it's in orbit in three years, the Gamma Ray Large Area Space Telescope will be the most powerful eye ever cast on the gamma ray sky -- essentially a small, flying replica of the heart of a detector like CDF or DZero.

A Fermilab team manufactured a key component of the Large Area Telescope, GLAST's main instrument. The team celebrated the successful completion of their collaboration on Nov. 8. SLAC's Lowell Klaisner -- project manager for the SLAC-based LAT -- and Tom Johnson from NASA/Goddard Space Flight Center hosted a pizza party at Lab 8 to congratulate the Fermilab team, which was led by Phyllis Deering.

The team manufactured and tested scintillator tiles, which wrap around the main detector and pick up the faint flashes produced by the passage of charged particles. Such signals tell the telescope that an event was not a gamma ray but a cosmic ray, so the on-board electronics should ignore it and weed it out as noise. The scintillators contain arrays of optical fibers that pick up the light and funnel it to photo-multiplier tubes.

"We're very appreciative. This is the first component of the LAT to be completed," said Klaisner.

Johnson said Fermilab was chosen for this project because of its experience with manufacturing similar components for the Tevatron detectors, the MINOS neutrino detector, and the LHC's CMS detector. Johnson called the routing of the tiles' optical fibers a "work of art." "Your technical knowledge, skills and abilities

located at Fermilab, and would be designed and constructed by a consortium of U.S. universities and laboratories involved in R&D for superconducting RF. The goal of the facility would be to strengthen U.S. capabilities to improve the performance of superconducting accelerating structures. It would also lead to a better understanding of the requirements of high-performance SCRF systems of interest to the Department of Energy and the National Science Foundation.

"The SMTF will utilize, complement and strengthen SCRF R&D infrastructure and capabilities that already exist, or are planned at other U.S. laboratories and universities," said Steve Holmes, Fermilab's Associate Director for Accelerators, and a member of the ILC-Americas Steering Committee. "The extent of the interest is demonstrated by the large number of institutions involved in discussions concerning this EOI."

The current view at Fermilab holds that the Meson Lab area would be an optimum location. Sharing infrastructure would reduce costs, and the synergy of expertise would benefit all projects and speed up progress. In addition, collaboration with the international HEP laboratories DESY, KEK, INFN and others is being discussed as part of the global R&D program for the ILC. The EOI can be found [here](#).

Announcements

really provided a super product to us," he said.

In the News

From *Nature Magazine*, November 11, 2004

Bush set to keep core science team for second term

by Emma Marris

US President's line-up of science advisers shapes up.

[WASHINGTON] George W. Bush's re-election on 2 November and his party's increased clout in Congress leave him in an even stronger position to set the national agenda on research, say science lobbyists.

[Read more](#)

Wanted: Einstein Materials

From Beanie Babies to coffee mugs, you can find Einstein's face on just about anything these days, and *symmetry* magazine wants to know what kinds of Einstein materials you have. Whether it's a t-shirt or even an action figure, send a photo to [Elizabeth Clements](#) or drop by Public Affairs to show off your collection by November 19. Items may be borrowed in order to be photographed for an upcoming issue of *symmetry*.

New Classified Ads Posted on Fermilab Today

New [classified ads](#) have been posted on *Fermilab Today*. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

Brown Bag Seminar Next Week

Wellness Works will present a Brown Bag Seminar "Parenting Through the Holidays" on Wednesday, November 17 from noon to 1:00 pm in Curia II. Join us for ideas about making the holidays more enjoyable for parents and children and dealing successfully with the stresses of the season.

Power Outage News

Wilson Hall

November 14 – The power will be off to Wilson Hall for ten hours on Sunday, beginning at 7 AM.

[Upcoming Activities](#)