

Calendar

Tuesday, December 14

1:00 p.m. Computing Techniques Seminar - (NOTE TIME & LOCATION)
FCC1W

Speaker: C. Jones, Cornell University
Title: Doing Physics with Advanced C++

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

4:00 p.m. Accelerator Physics and Technology Seminar - 1 West

Speaker: A. Koschik, CERN
Title: Simulation of Transverse Multi-Bunch Instabilities of Proton Beams in LHC

Wednesday, December 15

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

4:00 p.m. Fermilab Colloquium - 1 West
Speaker: M. Kramer, University of Manchester

Title: Was Einstein Right? - The Double Pulsar as a Unique Testbed for Strong-Field Gravity

Wilson Hall Cafe

Tuesday, December 14

Golden Broccoli & Cheese Soup
Hickory Smoked BBQ Port \$4.75
Japanese Breaded Pork Cutlet \$3.75
Hawaiian Marinated Chicken w. Grilled Pineapple \$3.75
Toasted Almond Chicken Salad on Low Carb Bread \$4.75
Supreme Baked Pizza \$2.75
Chicken Fajita Tacos \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Brinson Fellowship Offers Opportunity With New Particle Astrophysics Center



The new Fermilab Particle Astrophysics Center is inviting applications for the first Brinson Predoctoral Fellowship, intended for Ph.D. students in their last year of study. The recipient would spend the final year of graduate study in residence at Fermilab working with members of the Particle Astrophysics Center -- including scientists in Theoretical Astrophysics and Cosmology, the Sloan Digital Sky Survey, the Pierre Auger Project, the Cryogenic Dark Matter Search, the Dark Energy Survey, and SNAP/JDEM.

The fellowship will provide \$2,000 per month salary as well as \$1,000 toward travel expenses. The student's institution would be responsible for health insurance, as well as any tuition and fees.

Cosmologist Rocky Kolb, the Director of the Center, noted that, while Fermilab is not specifically an educational institution, the opportunity to train "the stars of the future" in particle astrophysics is invaluable.

"Particle cosmology is a reasonably new field," he said. "Establishing this world-

Director's Corner

Good Morning!

The final steps in the process that determines the federal budget for fiscal year 2005 took place last week.

On Wednesday, December 8, President Bush signed into law an omnibus

appropriations bill that sets the FY 2005 funding level for all government agencies other than the Departments of Defense and Homeland Security.



Director Mike Witherell

The budget for the DOE Office of Science in that bill is \$3,600 million, an increase of 3% over FY 2004.

The budget for High Energy Physics in FY 2005 is \$736 million, an increase of 0.3% over FY 2004. The FY 2005 allocation for Fermilab is \$291 million, up 1.2% from FY 2004. This is about \$3 million less than was allocated to HEP in the President's budget request, the document that initiates the budget-setting process.

The FY 2005 HEP budget follows the pattern of recent years. Over the last five years, the budget for High Energy Physics has gone up by about 7%, significantly less than inflation over that period.

30 Year Service Award Luncheon

Weather



Sunny 25°/14°

[Extended Forecast](#)

[Weather at Fermilab](#)

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class center means we can attract future leaders with the chance to further their career and their education, and to have an impact on the field for many years to come. We will advertise worldwide, with the goal of attracting the best graduate students."

The fellowship is funded by The Brinson Foundation of Chicago, whose interests in scientific research include astrophysics and cosmology as well as geophysics and medical research. The Brinson Foundation lists Chicago's Adler Planetarium among its many annual grants.

The deadline for receiving applications is Dec. 31, 2004. For further information, contact David Finley, Chair of the Selection Committee, at finley@fnal.gov, x4620, or Rocky Kolb at rocky@fnal.gov, x4695. Additional information may be found at [online](#).

In Memoriam: Bob Panvini

Bob Panvini died on Dec. 9, 2004, after a year-long battle with cancer. Panvini received his Sc.B. in Physics from Rensselaer Polytechnic Institute in 1958, and his Ph.D. in Physics from Brandeis University in 1965.



During his career, Panvini was an author on more than 500 papers with over 10,000 citations.

Bob Panvini Panvini was recruited to Vanderbilt from Brookhaven National Laboratory by Ed Salant in 1971. His arrival occurred during a time of transition in particle physics, as detectors moved away from photographic techniques and toward automated detectors with



35 Fermilab employees were honored with the 30 Year Service Award. Not all recipients are included in photo. (Click on image for larger version.)

30 Year Service Award Recipients:

Bill Arnold, Michael Becker, Gerald Bellendir, Denis Bowron, Charles Brown, Edith Brown, John Crawford, Carol Davis, John Elias, David Erickson, William Finstrom, Donald Fisher, James Fitzgerald, Allen Forni, Timothy Gierhart, Michelle Gleason, Michael Hentges, Joel Hurst, Gordon Koizumi, Sharon Lackey, Mel Magnuson, Joseph Morgan, Cecil Needles, Elizabeth Quigg, Rajendran Raja, Donald Rapovich, William Robotham, Don Rohde, Richard Thies, Jose Trevino, Yolanda Valadez, Vivian Villegas, Ernest Villegas, Herman White

25 Year Service Award Luncheon



81 Fermilab employees were honored with the 25 Year Service Award. Not all recipients are included in photo. (Click on images for larger version.)

electronic triggers. In 1976 Panvini was a founding member of the CLEO experiment at Cornell. In 1979-80, this group produced some of the cleanest data on the newly-discovered ψ meson, and confirmed that it was composed of b quarks. In the mid-1980's, Panvini switched his research efforts to the Stanford Linear Accelerator Center. He was a charter member of the SLD experiment, which made significant contributions to our knowledge of electroweak physics. In 1995, Panvini joined the BaBar experiment at SLAC and made substantial contributions to this project, even continuing beyond his retirement in 2004.

In the 1980's Panvini was a member of the Board of Trustees of the Universities Research Association, which manages and operates Fermilab, and served as Chair of the SLAC users group. He was a DOE program officer from 1990 to 1992, and was named a Fellow of the American Physical Society in 1990.

One of Panvini's proudest achievements was the series of 10 conferences he organized at Vanderbilt from 1973 to 2001, aided in logistics by his talented wife of 45 years, Doria. These conferences -- the "Vanderbilt Series" in high-energy physics -- addressed the most important topics in particle physics. The series evolved to include topics in astrophysics and cosmology. Panvini was in the process of organizing the next of these -- to be held in May -- at the time of his death.

Accelerator Update

25 Year Service Award Recipients:

Richard Adamo, Merrill Albertus, Paul Allcorn, Debra Baddorf, Archie Beasley, Cheryl Bentham, Jerome Bozonelos, Larry Bradley, Joel Butler, Reyna Cardona, Gregory Cisco, Sheila Cisco, Marilyn Collins, William Cooper, Timothy Cunneen, Norman Cuny, Gerald Davis, Jose Delao, Doris Dick, Scott Doerr, Dianne Engram, Jerry Firebaugh, James Franzen, Normal Gelfand, Michael Gerardi, Gordon Gillepsie, Jr., Robert Gloor, Jr., Stephen Gordon, Gerald Green, Susan Grumboski, Elvin Harms, Brian Hendricks, Christopher Hill, Estela Jensen, Hans Jensen, David Johnson, Hans Jostlein, Borys Jurkiw, Candies Kastner, Frankie Kelly, Sherry Kindelberger, Robert Kingsley, George Kirschbaum, Marcus Larwill, Joseph Lazzara, Fannie Linton, Pamela Mathis, Gregory Meyer, Nancy Michael, Timothy Miller, James Mulvey, Kenneth Oleson, Anthony Parker, Carl Penson, Carol Picciolo, Petros Rapidis, Michael Reynolds, Jeffrey Roberts, Allison Russell, Inpeng Samayavong, Thomas Sarlina, Robert Scala, James Schellpfeffer, Jack Schmidt, Marsha Schmidt, Edward Schram, Peter Seifrid, Anthony Simmons, Maria Stanfield, Karen Swanson, Jerry Taccki, Kouros Taheri, Gary Teague, Donald Tousignant, Dean Validis, Lester Wahl, Daniel Watkins, Edward Weiten, Steven WesselIn, Dale Wilderspin, Debra Ziomek

Announcements

December 10-13

- During the past 72 hours Operations has established one store that combined with an existing store supplied the experiments with approximately 33 hours and 44 minutes of luminosity.
- Switchyard experts established beam to Meson on Friday.
- Recycler stashed antiprotons.
- Just before establishing a store, the Tevatron quenched due to a separator problem.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

In the News

From PhysOrg, December 10, 2004

2005 - International Year of Physics, 100th anniversary of Albert Einstein

The United Nations has declared 2005 the International Year of Physics -- and there's a very good reason why this particular year was chosen to raise worldwide public awareness of physics. It is also the 100th anniversary of physicist Albert Einstein's miraculous year in which he wrote five -- or three depending on whom you ask - of his most famous scientific papers.

Also known as the World Year of Physics (WYP) -- as declared by the International Union of Pure and Applied Physics -- 2005 will feature worldwide events of interest not only to physicists, but also to the general public.

[read more](#)

Monthly Leave Sheets Due Today

Monthly Leave Sheets are due in Payroll on 12/15/04 at 10:00 a.m. Payday will be December 22 for monthly employees. For weekly employees, payday for the week ending 12/19 will be paid on 12/22. For the week ending 12/26, weekly employees will be paid on 12/22.

New Books in the Fermilab Library

New books in the Fermilab Library for the week of December 13 are now on display in the Library near the front desk. An online list of the of new books is now [available online](#).

Upcoming Power Outages

Neutrino Labs A, C, & D

12/15 - These Neutrino Labs will be without power for one hour while they get connected to a generator. They will be on the generator for about a week and then go down for another hour to connect back to regular power.

Fermi Singers

The Fermi Singers will be performing a Winter Concert early in 2005. However, if you miss their sound, feel free to make reservations at Chez Leon on Dec. 15 or stop by the Chapel at Naper Settlement on Dec. 17 at 6:30 pm. This is the second year the Singers will be at Naper Settlement - it was fun last year and certain to be this year!

Scottish Country Dancing

Scottish Country Dancing will be held at 7:30 p.m., Tuesday, December 14, at the Geneva American Legion Post. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

Upcoming Activities

