

Calendar

Wednesday, November 17

11:00 a.m. Fermilab ILC R&D Meeting - 1 West

Speaker: W. Wester, Fermilab

Title: ILC Detector Electronics/ASICs

Development – Fermilab & Collaborators

Speaker: H.E. Fisk, Fermilab

Title: ILC Detector Muon System R&D –

Fermilab & Collaborators

12:00 p.m. Wellness Works – Brown Bag Seminar - Curia II

Speaker: J. Thomson, The Center for Therapeutic Interaction

Title: Parenting Through the Holidays

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West

Speaker: D. Jin, University of Colorado, Boulder

Title: Using a Fermi Gas to Create Bose-Einstein Condensates

Thursday, November 18

11:00 a.m. Research Techniques

Seminar - Curia II

Speaker: M. Ronan, Lawrence Berkeley National Laboratory

Title: Micromegas TPC R&D for the ILC

2:30 p.m. Theoretical Physics Seminar -

Curia II

Speaker: S. Riemann, DESY Zeuthen

Title: Z' Signatures in Precision Measurements

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wilson Hall Cafe

HEP Collaborations Showcase Technology, Smash Bandwidth Record



The Fermilab/SLAC booth at SC2004 (Click on image for larger version.)

Fermilab and SLAC showcased their computing and networking achievements last week in Pittsburgh, at the SC2004 High Performance Computing, Networking and Storage Conference. The laboratories once again joined forces, and to put up the [Computing for the Quantum Universe](#) exhibit. In collaboration with other laboratories and universities, they won a competition for data transfer speed which quadrupled the record set the previous year.

The high energy physics groups won the Fifth Annual HPC Bandwidth Challenge by transferring data into and out of the convention site at a rate of 101.3 Gigabit per second, roughly equivalent to transferring the contents of three DVD's in just one second. The result demonstrates that networking capabilities will be up to the task of crunching through the unprecedented amounts of data from the LHC, said CD/CCF head Don Petravick. "It sets a vision and a scale for what can be done," he said. Fermilab was able to join SLAC, CERN, Caltech and other high-energy physics research institutions in the

Fermilab Employment Office Launches New Applicant Tracking System



The Fermilab Employment Office at your service (left to right): Joy Thomas, Margaret Pitz, Tom McMahon, Shelley Krivich and Jeff Artel (Click on image for larger version.)

On October 30, the Fermilab Employment Office launched a new applicant tracking system that will find job candidates faster and have a tremendous cost-saving impact on the lab. The new system places all of the applications in a database, allowing Fermilab recruiters to share the files with each other and track the candidates as they go through the job hiring process.

"From a technical standpoint, we went from 1989 recruiting to 2004 recruiting overnight," said Employment Manager Tom McMahon. "The system allows us to have a much faster response time and be much more proactive in finding candidates. It should also reduce fees to search agencies, which could save the lab hundreds of thousands of dollars per year."

McMahon explained that one of the many features of the applicant tracking system is its ability to find similar candidates for a job, even those who didn't apply for that specific position, and rank them in

Wednesday, November 17

French Onion soup

Texas Style Meatloaf Sandwich \$4.75

Grilled Chicken with Black Bean & Corn

Salsa \$3.75

Kielbasa & Sauerkraut \$3.75

Three Cheese & Tomato Panini \$4.75

Sausage & Pepperoni Combo \$2.75

Fettucine Carbonara with Ham &

Mushrooms \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather



Cloudy **62°/52°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

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Info

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

Send comments and suggestions to

today@fnal.gov

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[Linear Collider News archive](#)

[Fermilab Today classifieds](#)

challenge this year, thanks to a recently-deployed high-bandwidth optical fiber connection that links the lab to the StarLight optical network exchange in Chicago.

Another one of the features that attracted visitors to the booth was a graphical animation of simulated beam debunching and rebunching in Fermilab's Booster. The simulation can help accelerator physicists predict what would be the Booster's response with different tunings of the machine, said CD's Jim Amundson, who wrote the software with Panagiotis Spentzouris. The simulation ran on a tightly coupled QCD80 computer cluster.

The Fermilab/SLAC booth will soon be on display in the Wilson Hall atrium, thanks to work done by John Urish and other members of CD to make this year's exhibit easier to move and install. Public Affairs and the Computing Division look forward to introducing the Fermilab community to computing for the Quantum Universe.

From the Interactions News Wire, November 16, 2004

KEK Workshop - Toward an International Design of a Linear Collider



Physicists and engineers who attended the KEK Workshop this week. (Click on image for larger version.)

comparison. In addition to using an applicant tracking system, the Employment Office has also started to post openings on Monster, Careerbuilder, DICE and Computerjobs.com.

"Normally we have 20 to 30 people apply for jobs at Fermilab per week," McMahon said. "So far we have had 1600 applicants in one week since we posted the job openings on the recruiting Web sites. We don't expect the numbers to always be quite this high, but we do think that we will have 40 to 100 people apply per job opening as opposed to the three to seven applicants we would get before."

The Employment Office is also in the process of updating their Web pages. "We have a new [job openings page](#) that looks much more professional now," McMahon said. "More of the pages will be modified over the next couple of months."

Announcements

Flexible Benefits Open Enrollment

The open enrollment for the Flexible Benefits Plans will continue until this Friday. It will end at 5:00 P.M. on November 19, 2004. Please refer to your materials for additional information.

[more information](#)

Weekly and Monthly Time Sheets Due

Weekly Time Sheets for the week ending 11/21/04 are due in Payroll by 10 AM on 11/18/04. November Leave Sheets are due in Payroll by 10 AM on 11/19/04.

Power Outage Schedule

Meson Tunnels and Buildings

November 17 – MS2 and M02 will be without power on Wednesday from 8 AM to 4:30 PM.

Over 200 physicists and engineers from Asia, Europe and the Americas met in the KEK High Energy Accelerator Research Organization in Tsukuba, Japan from November 13th-15th 2004 to enthusiastically explore the path toward rapid development of a conceptual design of an International Linear Collider.

“KEK has been delighted to host this important workshop,” KEK's Director General Yoji Totsuka said. “For the first time the world's linear collider community is working together to start discussions on a final design for the ILC. We have provided opportunities for accelerator experts from various regions, who may have previously been working on different projects, to get to know each other and start the important process of creating a unified team.”

[read more](#)

In the News

From the *Daily Herald*, November 16, 2004

Fermilab employee recalled for community involvement

By Gala M. Pierce

Sue Mendelsohn could make children laugh at any given time.

She brought energy and life wherever she went.

As an employee at Fermilab, she started a recycling program before the lab had an official one of its own and then became instrumental in the city's recycling program by spreading the message to the schools.

[Read more](#)

November 18

- MS3, M03 and M04 will be without power on Thursday from 8 AM to 4:30 PM.
- Meson Detector Building West Side, Meson Test Area, and ML6 will be without power from 12 PM to 8 PM.
- MS4 Service Building, including M04, Meson Portakamps, and ML5 and ML10 will be without power from 12 PM to 8 PM.
- Meson Center/East Areas, which include ME7, MS5, MP7, MC7, MC8, MB7, MB8, and ML12A and ML13A will be without power from 4 PM to 5 PM.
- The Detector Building Crane & other cranes may also be affected by these power outages

November 19 – Friday has been reserved as a rain day to cover for any problems that might hinder any of the above work.

Holiday Book Fair

Fermilab's Recreation Office will sponsor its "Holiday" Book Fair, hosted by Books are Fun, in the Atrium on Monday, November 29 from 10:00 AM until 6:00 PM and on Tuesday, November 30 from 7:00 AM until 3:00 PM. The Book Fair will accept cash, personal check, MasterCard, Visa, American Express and Discover card. A portion of the proceeds from the Book Fair subsidizes some of Recreation Office's Programs.

Travel Center Presentation: Wonders of Iceland

Collette Vacations will present a presentation on the Wonders of Iceland Vacation on Thursday, November 18 from noon to 1:00 p.m. in 1 North. The trip will take place on August 17, 2005 for eight days, and it includes ten meals (6 Breakfasts, 4 Dinners), a guided tour and

From Berkeley Lab Research News, November 15, 2004

New Results From Anti-Neutrino Studies at KamLAND

BERKELEY, CA – First they were seen to go away, now, for the first time, they've been seen coming back. An international team of researchers at KamLAND, an underground neutrino detector in central Japan, has shown that not only do anti-neutrinos emanating from nearby nuclear reactors "disappear," they also "reappear." This is further evidence that the three known types or "flavors" of neutrinos — electron, muon and tau — all have mass and can oscillate or change from one type to another.

[Read more](#)

air travel for \$2,700 pp/Twin.

Brown Bag Seminar Today

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.

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*.

[Upcoming Activities](#)