

Calendar

Tuesday, December 7

3:30 p.m. DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO ACCELERATOR
PHYSICS AND TECHNOLOGY
SEMINAR TODAY

Wednesday, December 8

11:00 a.m. Fermilab ILC R&D Meeting -
(NOTE LOCATION)Curia II
Speaker: W. Wester, Fermilab
Title: ILC Detector Electronics/ASICs
Development – Fermilab & Collaborators
Speaker: W. Cooper, Fermilab
Title: A Silicon Tracker for ILC – Fermilab
& Collaborators
3:00 p.m. DIRECTOR'S COFFEE
BREAK (NOTE TIME & LOCATION) -
15th Flr X-Over
4:00 p.m. Fermilab Colloquium - 1 West
Speaker: M. Turner, National Science
Foundation
Title: The Big Questions in Cosmology

Wilson Hall Cafe

Tuesday, December 7

Tomato Bisque
Pesto Marinated Chicken Breast \$4.75
Burgundy Beef Tips \$4.25
Baked Fish Creole over Rice \$3.75
Grilled Chicken Caesar Wrap \$4.75
Supreme \$2.75
Rio Grande Taco Salads \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather

Byon-Wagner Takes New Role at DOE

Former Fermilab physicist Aesook Byon-Wagner was named acting deputy associate director at the DOE Office of High Energy Physics last month. Byon-Wagner will also retain her post as director of HEP's Facilities Division.



"Aesook has my complete confidence and support in this new role," said Associate Director of High Energy Physics Robin Staffin. "Her record as a scientist and as a leader in CDF, MINOS and NuMI during her tenure at Fermilab, and her experience and leadership here at the Office of Science, make her an ideal candidate for this appointment."

Byon-Wagner started her research career at CDF as a graduate student and, later, as a postdoc. She worked on calorimeter R&D for one of the detectors for the Superconducting Super Collider; she went back to CDF after Congress ended the SSC. She worked on CDF's electronics upgrades for Run II, until she became MINOS project manager in 1999. She later took on the role of deputy project manager of the entire NuMI/MINOS project. In April 2002, Byon-Wagner moved to the DOE, where her first role was senior project manager of Facilities Operations.

Byon-Wagner's said she enjoys working

Director's Corner

Good Morning!

This is a big week on many fronts of Fermilab's broad scientific program.



Mike Witherell

Friday, protons from the Main Injector were extracted to the NuMI beamline and transported cleanly for about 3600 feet to the center of the hadron absorber. This is a spectacular start for the final phase of the massive NuMI construction project. Soon the MINOS experiment will be recording the first neutrino events in both near and far detectors.

All of the accelerators in the complex have been brought back into operation on schedule and everything is set for the first collider stores this week, starting as early as today. The MiniBooNE beamline and experiment have already been operating for one week, and the beam intensity is steadily increasing.

We also are marking two important transitions in existing Fermilab programs this week.

Yesterday we were pleased to announce the opening of the NIU Institute for Neutron Therapy at Fermilab, marking a new phase in the 28-year history of neutron therapy at Fermilab.

On Wednesday we will celebrate the opening of the Fermilab Particle



Rain 47°/50°

[Extended Forecast](#)

[Weather at Fermilab](#)

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at DOE, which makes for a new experience compared to her previous path. "I came here largely to see the rest of the world. At the same time, I have an opportunity to help shape the program in a very exciting and challenging time," she said. In her new role she will help supervise both Office of HEP divisions. The Research & Technology Division oversees about 230 DOE-funded research groups in more than 100 universities and more than 30 grants for accelerator and detector technology R&D. The Facilities Division oversees the HEP program and construction projects at DOE's national laboratories.

Press Release, December 6, 2004

NIU launches Institute for Neutron Therapy at Fermilab

Naperville, Ill.—Northern Illinois University today announced plans to revive a unique and proven cancer treatment that blends advanced medical science with accelerator physics developed at Fermi National Accelerator Laboratory, a Department of Energy laboratory in Batavia, Ill.



Fermilab's Arlene Lennox will be the technical director of the institute.

The newly formed NIU Institute for Neutron Therapy at Fermilab will deliver neutron

therapy to patients and conduct extensive research on the high-tech cancer-fighting treatment. Neutron therapy has been shown to be superior for some types of cancer, including adenoidcystic carcinoma, locally advanced prostate

Astrophysics Center, which will give a new focus to our already well-established research program in astrophysics.

Congratulations to all of the people responsible for these successes, and that includes everyone who works at Fermilab.

Photo of the Day

NuMI Extracts Beam from the Main Injector for the First Time



(Left to Right) Steve Holmes, Rob Plunkett, Roger Dixon and Greg Bock at Friday night's celebration in the Main Control Room after NuMI successfully extracted beam from the Main Injector for the first time. (Click on image for larger version.)

On Friday evening, the NuMI experiment successfully extracted beam from the Main Injector and centered it on the hadron absorber for the first time. A longer and more detailed article about this major milestone will run in an upcoming issue of *Fermilab Today* soon. Stay tuned....

Correction



Dr. Aidnag "A.Z." Diaz, [read more](#)
Medical Director of the
NIU Institute for Neutron
Therapy

cancer, locally advanced head and neck tumors, inoperable sarcomas, and cancer of the salivary glands.

Accelerator Update

December 3 - December 6

- NuMI established beam to their absorber on Friday at 6:50 PM.
- The Tevatron suffers ramp dumps and quenches all weekend.
- Pbar had emittance problems, but later fixed their damper system, which solved the trouble.

The Tevatron Electron Lens was declared operational early Monday morning.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

In the News

From *The Chicago Sun-Times*, December 6, 2004 Fermilab back in business of zapping cancer

by Jim Ritter

An unusual cancer center for patients who don't respond to conventional radiation is reopening at west suburban Fermilab, best known for unlocking secrets of the universe by smashing together high-speed subatomic particles.

It turns out that subatomic neutrons also

Two of our alert readers pointed out that the Safety Tip in the 12/06 edition of *Fermilab Today* included incomplete advice for recovering a vehicle from sliding. In fact, the best response depends on which end of the vehicle is sliding. Should the rear end of the vehicle slide, gently let off on the accelerator and turn the steering wheel in the direction of the slide. If the front end slides, let up on the accelerator and turn the wheel in the direction you want to go.

Announcements

Particle Astrophysics Center Exhibit

The Fermilab Particle Astrophysics Center will host an exhibit on the 15th floor of Wilson Hall from Wednesday to Friday, 12/8 to 12/10. All employees and users are invited to learn more about the six member groups. A welcome reception with refreshments will be held on Wednesday, 12/8, from noon to 4 p.m. Everybody is invited to stop by.

DELL Presents State of the Art Show Tomorrow

On December 8, DELL will present the State of the Art show with their hardware in the Fermilab cafeteria from 9:00 a.m. to 2:00 p.m. EMC will also be in attendance and a working lunch regarding storage will be held for a small number of people from noon to 1:00 p.m. in One North. To attend the working lunch, please RSVP to Jack Schmidt by 9:00 a.m. on Wednesday.

Unix-Users Meeting Tomorrow

The next Unix-Users meeting will be on Wednesday, December 8 at 1:00 p.m. in One North. Here is an agenda:

- recap of the Lisa Conference
- Mark Leininger and crew with a security

are good for zapping some slow-growing cancers, including locally advanced prostate, head and neck tumors, inoperable sarcomas and cancer of the salivary glands.

[Read more](#)

presentation

- Scientific Linux Fermi 3.0.3 x86_64 (LTS 303 for Opteron's and Xeon ia32e)
- Scientific Linux 3.0.4
- Tips and Tricks / Quiz / Questions and Answers

[more information](#)

Toys for Tots at Fermilab

After last year's success, Fermilab is once again participating in the U.S. Marine Corps Reserve Toys for Tots Program. Collection boxes for new unwrapped toys are located in the atrium of Wilson Hall. Toys will be distributed to needy children of all ages in DuPage County. For more information, contact [Charisse Malo](#). The toy drive ends on December 19.

Scottish Country Dancing

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

[Upcoming Activities](#)