

Calendar

Have a safe day!

Friday, April 2
3:30 p.m.
 DIRECTOR'S COFFEE
 BREAK - 2nd Flr X-Over
 THERE WILL BE NO JOINT
 EXPERIMENTAL-
 THEORETICAL PHYSICS
 SEMINAR THIS WEEK

Monday, April 5
 THERE WILL BE NO
 PARTICLE
 ASTROPHYSICS SEMINAR
 TODAY
3:30 p.m.
 DIRECTOR'S COFFEE
 BREAK 2nd Flr X-Over
4 p.m.
 All Experimenters' Meeting
 - Curia II
 Special Topics: T-979;
 High-Resolution Timing
 Detectors in MTest;
 CMS/LHC Report

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

[Upcoming conferences](#)

Campaigns

[Take Five](#)

[Tune IT Up](#)

H1N1 Flu

For information about H1N1, visit Fermilab's flu information [site](#).

Weather

 **Breezy**
80°/54°

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

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Friday, April 2
 - Chorizo burrito
 - Old-fashioned ham & bean soup
 - Philly-style chicken
 - Chicken pot pie
 - Baked fish over rice
 - Roasted veggie & provolone panini
 - Assorted sliced pizza
 - Baked potatoes

[Wilson Hall Cafe menu](#)

Feature

AD & TD collaborate on first cryomodule for new facility



A technician performs delicate, particulate-free work in a portable clean room abutting the New Muon Lab's first cryomodule.

It is perhaps fitting that the New Muon Lab, a long, low concrete affair facing open fields, sits facing the northern edge of Fermilab's property. The hangar-sized building is a busy place these days, home to the laboratory's Superconducting Radio Frequency Test Facility, and bustling with the work that keeps Fermilab pushing the boundary of high-energy particle physics research.

Crews from the laboratory's Accelerator Division and Technical Division recently wrapped up a month-long collaboration at NML on a beamline vacuum system for the facility's first cryomodule, the technology for future particle accelerators such as Project X and the ILC.

Hidden inside a labyrinthine series of concrete walls six feet thick, the hulking, marigold-yellow tube holds eight SRF cavities—the mechanisms that accelerate particle beams to powerful energies. To do the job, those cavities must be scrupulously clean. A simple dust speck can spell disaster.

Accelerator Division's Jerry Leibfritz, the SRF Test Facility project leader, said that presented a serious challenge for the technicians installing the cavity string vacuum system.

"Every connection—every last nut and bolt—had to be cleaned with a pure-nitrogen air gun until it was particulate free," he said. The laboratory had to build portable clean rooms around the cryomodule. It took five men a full four weeks, regularly working overtime and weekends, to get the vacuum system in place.

-- Andrea Mustain

[Read more](#)

In the News

State-of-the-art LHC virtual control rooms allow full participation from US

From *Scientific Computing*, March 31, 2010

On March 30, 2010, the world's most powerful particle accelerator began

Feature

Tevatron sets new monthly luminosity record



The above plot shows the total integrated luminosity from March 1 to April 1, 2010.

The Tevatron set a new monthly integrated luminosity record Thursday and added another milestone to its collection. March had the highest delivered luminosity in a single calendar month: 272.7 inverse picobarns. The previous record was for December 2008, which yielded 254.1 inverse picobarns. During this month's running period, the Tevatron broke nine of its top 10 records for average initial luminosity stores.

Milestones

Deaths
 Warren Cannon, a former WDRS employee, died March 2. Cannon was hired in June 1969 and worked at the laboratory for 21 years, most recently as a senior personnel administrator. He held badge number 504. You can read Warren Cannon's obituary [here](#).

Submit your [milestones](#) to *Fermilab Today*.

Announcements

Latest Announcements
[Ask HR - 15th floor comes to CD/FCC-W entry April 7](#)

[Fermilab summer daycamp registration deadline today](#)

[Argentine Tango through April 28 - student discount available](#)

[Country House discount for Fermi employees](#)

[Celebrate National Humor Month](#)

[Retiree club](#)

[Cross-step waltz workshop - April 11](#)

[Bulgarian dance workshop and live music party - April 8](#)

[Tartan Day party at Scottish dancing](#)

[Fermilab blood drive April 19-20](#)

[The Recipe Exchange Potluck lunch](#)

Chez Leon

Wednesday, April 7 Lunch

- Spiced pork tenderloin w/bourbon reduction sauce
- Whole wheat couscous
- Steamed broccoli
- Banana cream puff w/chocolate sauce

Thursday, April 8 Dinner

- Closed

[Chez Leon menu](#)

Call x3524 to make your reservation.

Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[User University Profiles](#)

[ILC NewsLine](#)

Info

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www.fnal.gov/today/

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today@fnal.gov

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slamming subatomic particles together at record energies and recording the consequences of the micro-explosions that result, opening a new chapter in scientists' efforts to answer some of the most fundamental questions in physics. Vanderbilt physicists are playing an important role in this international experiment, one that could significantly alter our basic understanding of the world we live in. The giant machine, called the Large Hadron Collider (LHC), was constructed by the European Organization for Nuclear Research (CERN) and is located in Switzerland.

Research Assistant Professor William Gabella is working full time at CERN. Six other Vanderbilt researchers – Professors Victoria Greene, Charles Maguire and Paul Sheldon, Associate Professors Will Johns and Julia Velkovska, and Professor Emeritus Medford Webster – are participating virtually, either through facilities at the Fermi National Laboratory or through a state-of-the-art control center that the group has set up in the physics building on campus with the support of the College of Arts & Science.

The new center will allow the physicists and their students to participate more fully in the experiment. "In the past, you couldn't fully participate in an experiment unless you were on site. Remote sites like ours represent the globalization of big science experiments," Sheldon said.

[Read more](#)

[AutoCAD Intermediate classes - June 22 -24](#)

[AutoCAD Fundamentals class - June 6-8](#)

[FORE! The 2010 golf season is about to hit you](#)

[SciTech summer camps start June 14](#)

[Butts & Guts class - sign up now](#)

[Blackberry Oaks Monday night golf league](#)

[Watch your mail station for the arrival of your Fermilab statement of benefits](#)

[Employee discount at Batavia Rosati's](#)

[Harlem Globetrotters special ticket price - April 15](#)

[Qi Gong, Mindfulness and Tai Chi Easy for Stress Reduction](#)

[Argentine Tango through Wednesday, student discount](#)

[Hiring summer students for 2010](#)

[Calling all softball players](#)

[Requesting donations for Fermi Maternity Closet](#)

[Fermilab Management Practices seminar classes begin in April](#)

[NALWO bus trip to The Museum of Science and Industry - April 24](#)

[Intermediate /Advanced Python Programming - May 19-21](#)

[Additional activities](#)

[Submit an announcement](#)

Classifieds

Find new [classified ads](#) on *Fermilab Today*.