

Calendar

[Have a safe day!](#)

Tuesday, Jan. 12
3:30 p.m.
DIRECTOR'S COFFEE
BREAK - 2nd floor crossover
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY

Wednesday, Jan. 13
2:30 p.m.

[Particle Astrophysics Seminar](#)

(NOTE DATE) - Curia II
Speaker: Felipe Marin,
University of Chicago
Title: High-Order Correlation
Functions: Predictions and
Results
3:30 p.m.
DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
FERMILAB COLLOQUIUM
THIS WEEK

[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

 Sunny
27°/16°

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

Feature

Prairie Rangers preserve environment, explore nature



The original Prairie Rangers have been part of the program for more than a year now.

A group of curious kids have joined together to explore nature, and they are looking for new recruits.

They are the Junior Prairie Rangers, members of a program at Fermilab's Lederman Science Center that teaches students in grades 4-6 about nature and biodiversity.

Now entering its second year, the Prairie Rangers will kick off its 2010 events on Jan. 16. A registration form and more information is available [online](#).

Maureen Hix, a Fermilab docent and former school teacher, started the program in 2008 to heighten children's interest in nature. The Prairie Rangers will meet five times this year and focus on three goals: Learn about the prairie; become stewards of the environment; and promote biodiversity awareness.

"I want students to develop a lifelong respect for nature and learn to protect and revive the prairie," Hix said. "This program helps rangers apply biodiversity and ecology to their own backyard."

The Prairie Rangers are taught that all things in nature are interconnected. They observe insects, build terrariums housing plant specimens and grow plants from seeds picked at Fermilab. This year, the Junior Rangers will learn about milkweed and the monarch butterfly.

At the end of each successfully completed activity, each Junior Ranger earns a pin of stewardship.

Director's Corner

Important milestones



Fermilab Director Pier Oddone welcomes members of Fermilab's new Community Advisory Board at their first meeting on Saturday, Jan. 9.

Several events last week were important for the laboratory. First came the approval of CD-0 for the Long Baseline Neutrino Experiment. Within the DOE project management system CD-0 is the first key decision and means the recognition of mission need. It signals the start of a project with the consequent serious planning by DOE for future years' budgets. Of course, before projects can actually start construction, there are additional key decisions that will depend on our developing a satisfactory engineering design and cost within the parameters understood at CD-0. We have our work cut out for us.

For this experiment we will create a new high intensity neutrino beam aimed at the NSF Deep Underground Science and Engineering Laboratory in the Homestake Mine in South Dakota. At the mine, collaboration between laboratories and universities funded by NSF and DOE will construct massive detectors to study neutrino physics. We also expect a strong international collaboration. In addition, these detectors will have capabilities to detect proton decay and supernova neutrinos. The combination of high intensity beams from Fermilab, the long baseline to Homestake and the massive detectors with multiple capabilities will create an absolutely world-class program.

No process that launches a project worth several hundred million dollars is easy. We are very appreciative of the strong support of the Office of Science throughout. Together with the recently obtained CD-0 for the muon-to-electron conversion experiment, mu2e, the main pieces of our program for the new decade are now moving forward.

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Tuesday, Jan. 12
 - Breakfast: Bagel sandwich
 - Golden broccoli soup
 - Southern style fish sandwich
 - Coconut crusted tilapia
 - Burgundy beef tips
 - La grande sandwich
 - Assorted sliced pizza
 - Chicken fajitas

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Jan. 13
 Lunch
 - Spicy black bean & sausage calzone
 - Confetti corn salad
 - Pineapple flan

Thursday, Jan. 14
 Dinner
 - Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[CMS Result of the Month](#)

[User University Profiles](#)

[ILC NewsLine](#)

Info

So far, there have been 14 certified Junior Rangers, including original ranger Nathaniel Blowers, son of Fermilab TD's Jamie Blowers.

"My favorite activity was the seed harvest where we filled bags with clipped seeds and then grew some of them," he said. "I would like to pursue ecology and teach people about the prairie and endangered plants."

The Junior Prairie Rangers will meet from 9:30 a.m. to noon on Jan. 16 at the Lederman Science Center. Registration is \$10. More information about the program, including a complete schedule, is available [online](#).

-- *Tonisha Taylor*

Special Announcement

NuMI shatters records, again

The NuMI beamline received record numbers of protons on target again last week, shattering [its newest records](#). NuMI received 92.1×10^{17} protons on target during the week of Jan. 4, setting a new record for a week, and 14.0×10^{17} protons on target on Jan. 9, a new record for a single day.

In Brief

Help fill in the blanks: Identify people in the collage photo



In January 2007, *Fermilab Today* displayed some names and photographs of early Fermilab employees from the [1969 employee directory](#).

Years later the pictures of these early laboratory employees were assembled in a collage and displayed in the Fermilab Personnel Office. [The History & Archives Project](#) has now put the collage online and

In developing this program it is important that we work not only with the scientific community but also with our surrounding community. Last Saturday we launched the new Community Advisory Board, a group of 26 members from the community who will help the laboratory analyze critically the development of our program and the interactions with our surrounding community. The involvement of our neighbors has been outstanding in the past and continues to be outstanding. The Advisory Board spent the whole day Saturday at the laboratory in discussions and tours to develop an understanding of laboratory programs. The new group starts work at a good time when Fermilab's scientific program is taking on the shape of things to come.

Special Announcement

LBNE gets new Web site



The Long Baseline Neutrino Experiment has a new and improved Web site to showcase plans and progress toward the world's most intense neutrino beamline and the longest-distance

neutrino experiment.

The Web site outlines in easy-to-understand terms the physics goals and unique technical design of the experiment. It also lists the names of about 200 scientists who have joined the international science collaboration so far.

LBNE will use the Main Injector accelerator at Fermilab to produce a beam of muon neutrinos. The beam will traverse a small detector on the Fermilab site and then travel more than 1,000 kilometers straight through the earth to strike an underground detector more than 10 times the size of the largest LHC detector.

As the muon neutrinos created at Fermilab travel through the earth, they will morph into a mixture of the three known types of neutrinos. By exploring the science behind this mysterious process, the experiment could help explain the matter-antimatter asymmetry we see in the universe today and determine what role neutrinos played in the evolution of the universe.

Fermilab Today

is online at:

www.fnal.gov/today/

Send comments and suggestions to:

today@fnal.gov

Visit the Fermilab

[home page](#)

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Today

attached their names, but we need some help with the last dozen or more unknown employees.

Please [review the collage](#) and click on the faces with question marks for a clean photograph. If you can identify someone, please use the form to contact The History & Archives Project staff and let them know who is in those photographs.

This interactive exhibit was prepared by BSS's Jean Reising, who spent hours scanning individual head shots from Visual Media Services' proof books.

In the News

Tracey Quinn appointed assistant vice president for national laboratories

From *The University of Chicago News*, Jan. 8, 2010

Larry Hill, Associate Vice President for Program Development and National Laboratories, has appointed Tracey Quinn Assistant Vice President for National Laboratories.

In her capacity in the Office of the Vice President for Research and for National Laboratories, Quinn will serve as Secretary to the UChicago Argonne, LLC Board of Governors and the Fermi Research Alliance, LLC Board of Directors, and have executive management responsibility for all board support and programmatic and operational review functions for both boards.

[Read more](#)

In the News

U of M adding 40-50 jobs for new neutrino facility

From *Wichita Business Journal*, Jan. 6, 2010

The University of Minnesota is expanding its neutrino research operation with a new assembly facility that will open this spring near campus.

The school is days away from signing a lease for 125,000 square feet in an industrial building at 1090 Elm St. E. near its Minneapolis campus, according to Sue Weinberg, director of real estate for the

Accelerator Update

Jan. 8-11

- Four stores provided ~41.25 hours of luminosity
- Accumulator kicker problem fixed
- TRF4 repaired
- H⁻ Source output dropped
- CDF access Monday, Jan. 10, around 3 p.m.
- NuMI reported two new single day records for protons on target

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Latest Announcements

[International folk dancing, Thursdays at Kuhn Village Barn](#)

[Scottish country dancing Tuesdays at Kuhn Village Barn](#)

[English country dancing Feb. 7, with live music](#)

[Romanian/fusion dance workshop Jan. 28 at Kuhn Village Barn](#)

[Applications accepted for awards in URA Visiting Scholars Program](#)

[Argentine Tango at Fermilab through Jan. 25](#)

[Atrium events - book through Office of Communication](#)

[Free Tai Chi for Health open house - Jan. 14](#)

[2010 standard mileage reimbursement rate](#)

[Fermilab Natural Areas Newsletter](#)

[Fermilab Management Practices Seminar beginning Feb. 11](#)

[Yoga class begins today](#)

[Elder Care: Where do I begin? interactive seminar](#)

[Fermilab Family Open House Feb. 21](#)

university. The school plans to be in the leased space by March.

The university will pay \$2.36 million over the initial three-year term of the lease, not including certain operating expenses. The school will have options to extend the lease for up to two additional years, she said.

[Read more](#)

[Python Programming class offered Feb. 24-26](#)

[FRA Scholarship 2010](#)

[East gate began closing 1-5 a.m. Jan. 5](#)

[Additional activities](#)

[Submit an announcement](#)