

Calendar

[Have a safe day!](#)

Wednesday, June 9

3:30 p.m.

DIRECTOR'S COFFEE BREAK

4 p.m.

[Fermilab Colloquium](#) - One West

Speaker: Luigi Zingales, University of Chicago

Title: Curbing Risk on Wall Street

Thursday, June 10

2:30 p.m.

[Theoretical Physics Seminar](#) - Curia II

Speaker: Wouter Waalewijn, Massachusetts Institute of Technology

Title: Factorization at the Tevatron and LHC: From PDFs to Initial State Jets

3:30 p.m.

DIRECTOR'S COFFEE BREAK - 2nd

Flr X-Over

4 p.m.

[Accelerator Physics and Technology Seminar](#) - One West

Speaker: Tiago Silva, University of Sao Paolo

Title: Beam Monitoring Using Optical Transition Radiation

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

Feature

Neutrino results, progress from annual Users' Meeting



Joseph Walding of the College of William & Mary delivers a lecture on new results from the SciBooNE and MiniBooNE experiments.

Fermilab continues to make progress on multiple fronts at the Intensity Frontier, according to speakers at the laboratory's annual Users' Meeting last week.

Scientists working on the MINOS, MiniBooNE and MINERvA neutrino experiments will present new results in the near future, speakers said.

On June 14, members of the MINOS and MiniBooNE collaborations will announce new findings at two consecutive Fermilab wine and cheese seminars beginning at 2 p.m., and at the [Neutrino 2010 conference](#) in Athens, Greece. The speakers credited the Accelerator Division with doubling the statistics for their electron antineutrino search. The Accelerator Division was recently recognized for its achievements providing NuMI with record numbers of [protons on target](#).

MINOS will be the first experiment with accelerator-produced neutrinos to examine closely the oscillation parameters of muon antineutrinos, said speaker Justin Evans, a postdoc at University College London who won the [Tollestrup Award](#) for his research.

"We will use the analysis of data from the new running to check our previous low-statistics result," Evans said.

Physicist Cesar Castromonte from the Brazilian Center for Physics Research surprised members of the audience at the Users' Meeting when he said the MINERvA collaboration members expected to present their first physics results in the next few months. The MINERvA detector observed its first events just [more than a year ago](#).

"We're working really hard to get the results out as soon as possible," Castromonte said.

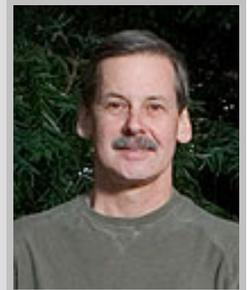
Collaborators on the SciBooNE and MiniBooNE experiments are working on their first joint analysis, which they hope to present in the near future, said speaker Joseph Walding of the College of William &

From the Accelerator Physics Center

Peoples Fellows pave the way

Mike Church, head of the Advanced Accelerator R&D Department, wrote this week's column.

In 2000, Fermilab created the Peoples Fellowship with the goal of attracting outstanding accelerator scientists early in their careers to enhance Fermilab's capabilities in accelerator science and related technologies. The laboratory aims to train and develop these promising accelerator scientists, who will carry this field forward in the future. The program targets entry-level accelerator physicists, specialists in accelerator technologies and high-energy physics postdoctoral researchers who wish to embark on a new career in accelerator physics or technology.



Mike Church

Fermilab has hired 11 Peoples Fellows since 2000. The initial term of the fellowship is three years, and the fellows are eligible for a second three-year term. Four Peoples Fellows moved on to new appointments at Fermilab (Andreas Jansson), DESY (Markus Huening), ITER (Pierre Bauer) and Northern Illinois University (Philippe Piot, who has a joint appointment with Fermilab).

Seven fellows are still on their first or second term and work in the Accelerator Division, Technical Division and Accelerator Physics Center. Bob Zwaska studies electron clouds and neutrino beams, Lionel Prost optimizes electron cooling in the Recycler storage ring, Katsuya Yonehara focuses on muon cooling and muon collider studies, Andrea Latina carries out beam dynamics calculations for the ILC and Project X, Alexander Romanenko investigates materials for superconducting RF, and Yin-e Sun and Charles Tobin Thangaraj specialize in advanced accelerator R&D at the A0 photo injector at Fermilab.

For three years, I had the opportunity to serve as the chair of the Peoples Fellowship Selection Committee. The fellowship is named after Fermilab's third director, John Peoples. Before becoming director, Peoples led the construction and commissioning of the Fermilab Antiproton Source. During his term as director (1989 to 1999), Fermilab made a number of improvements to the Tevatron and completed the construction and

 Sunny
84°/56°

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

[Current Security Status](#)

[Secou Level 3](#)

[Wilson Hall Cafe](#)

Wednesday, June 9

- Breakfast: English muffin sandwich
- Chicken noodle soup
- Steak sandwich
- Maple Dijon salmon
- Mongolian beef
- California club
- Assorted sliced pizza
- Chicken pesto pasta

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Wednesday, June 9

Lunch

- Chipotle roasted salmon
- Pineapple cilantro rice
- Sautéed zucchini
- Coconut flan

Thursday, June 10

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](#)

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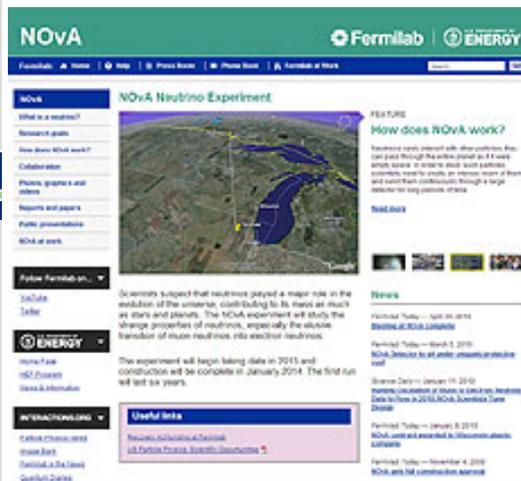
Mary.

The newcomer to Fermilab's group of neutrino experiments, the NOvA experiment, is currently under construction in Ash River, Minn. At the site of the NOvA detector facility, workers have finished blasting and have begun to pour the concrete floor for the detector building, said speaker Sarah Budd of Argonne National Laboratory. The collaboration is scheduled to complete a full-height engineering prototype of the NOvA far detector by November, she said.

-- *Kathryn Grim*

Special Announcement

Find the NOvA neutrino experiment online



The screenshot shows the NOvA website with a navigation bar, a main content area featuring a map of the experiment site, and a sidebar with various links and information. The main content area includes a heading "NOvA Neutrino Experiment" and a sub-heading "How does NOvA work?". The sidebar contains sections for "Useful links" and "News".

Those interested in learning more about the NOvA neutrino experiment, currently under construction in Ash River, Minn., can visit the collaboration's new [website](#).

The website explains questions members of the NOvA collaboration have set out to answer and the manner in which they plan to find those answers. It also provides a collection of photos, graphics and videos related to the experiment and links to information from public presentations.

In the News

commissioning of the Main Injector.

We are looking forward to working with many more fellows as they help pave the way for future Fermilab projects. The application deadline for the next fellowship is August 1. Interested scientists can find more information on the [Peoples Fellowship website](#).



John Peoples at a luncheon with Peoples Fellows and the past chair of the Peoples Fellowship Committee. From left: Bob Zwaska, Lionel Prost, Katsuya Yonehara, John Peoples, Andrea Latina, Yin-e Sun and Mike Church.

Safety Update

ES&H weekly report, June 8

This week's safety report, compiled by the Fermilab ES&H section, includes no reported injuries. Find the full report [here](#).

[Safety report archive](#)

Announcements

Latest Announcements

[10,000 Steps-a-Day iPod shuffle winner](#)

[Bike to Work Week - June 12-18](#)

["Healthy Living to 100" Lunch & Learn - June 17](#)

[ES&H server down Thursday, June 10](#)

[Barn dance - June 13](#)

[Fermilab's Family Outdoor Fair - June 13](#)

[Ask HR: 15th floor visits DZero today](#)

[Ask HR: 15th floor visits PPD - SiDet on Wednesday, June 16](#)

[Fermilab prairie quadrat study](#)

Info

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Scientists present first “bread-and-butter” results from LHC collisions

From *symmetry breaking*, June 8, 2010

It's been just over two months since the first high-energy proton collisions took place in the Large Hadron Collider, and scientists from the LHC experiments have been working feverishly to analyze the data now pouring from their detectors. The results of these first analyses using real LHC data are being presented this week at the “Physics at LHC” conference. The conference, taking place at the DESY laboratory in Hamburg, Germany, is the first in this summer's series of international particle physics conferences.

LHC scientists have not yet found the Higgs boson, nor any hints of supersymmetric particles; these discoveries require much more collision data than has yet been collected. But nevertheless there is excitement among the 270 conference participants, who have been waiting years—in some cases decades—for the first proton-proton collisions at the LHC. With these data, particle physicists are doing what they call “bread-and-butter” physics: rediscovering the Standard Model.

The Standard Model of particle physics is the best theory that physicists currently have to describe the building blocks of the universe. With the exception of the discovery of the Higgs boson, the model has been very precisely measured at other particle accelerators and can thus be used as a touchstone to see if the LHC detectors work properly. Physicists also repeat Standard Model measurements to verify that their simulated data correspond to real data. The simulated data, also known as Monte Carlo data, will play a critical role in future discoveries.

[Read more](#)

[Deadline for The University of Chicago Tuition Remission Program - June 25](#)

[Adult water aerobics - Mondays](#)

[Adult swim lessons - Mondays](#)

[Learn about green science in Nature's Power Lab, a Science Adventure](#)

[International Folk Dancing resumes in Auditorium June 10](#)

[Blood drive - June 21 and 22](#)

[Earned Value Management \(EVMS\) - today](#)

[Lecture Series: Intermediate/Advanced Topics in C++](#)

[10,000 Steps-a-Day walking program](#)

[Sand volleyball held on Tuesdays](#)

[Video series on scientific case for God's existence starts June 15](#)

[Fermilab Arts Series presents Corky Siegel and Chamber Blues - June 26](#)

[Sign up for summer Science Adventures classes](#)

[Introduction to LabVIEW course - July 13](#)

[Embedded Design with LabVIEW FPGA and CompactRIO seminar - July 13](#)

[Interaction Management Coaching forum - July 27](#)

[SciTech summer camps start June 14](#)

[Submit an announcement](#)