

## Calendar

### Have a safe day!

Tuesday, Nov. 10  
9 a.m. - 3 p.m.

[Workshop on Physics with a High Intensity Proton Source](#) -

One West

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

2:45 p.m. - 5:45 p.m.

[Joint Session between Muon Collider Workshop and Project X Workshop](#)

4 p.m.

[Accelerator Physics and Technology Seminar](#) - Curia II

Speaker: Bill Ng, Fermilab

Title: Coupling Impedances of Accelerator Rings (Part 2 of 3)

Wednesday, Nov. 11

8:30 a.m. - 6:30 p.m.

[Muon Collider Physics](#)

[Workshop](#)

10 a.m.

[Particle Astrophysics Seminar](#)

- Curia II

Speaker: Christiano Galbiati, Princeton University

Title: Results from the Borexino Solar Neutrino Experiment

11:30 a.m. - 1:30 p.m.

[Veterans Day celebration](#) -

Kuhn Village barn

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

[Fermilab Colloquium](#) - One

West

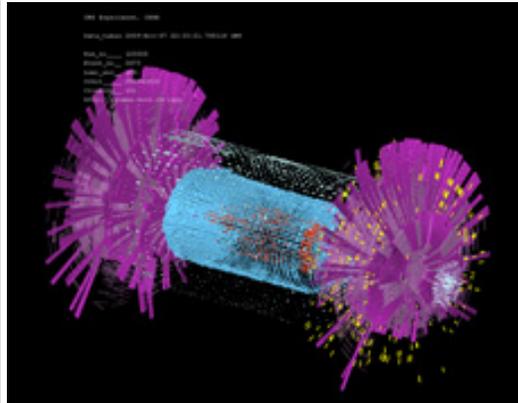
Speaker: Ben McCall, University of Illinois, Urbana-Champaign

Title: H<sub>3</sub><sup>+</sup>: The Simplest Polyatomic Molecule in the Laboratory and the Interstellar Medium

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

## From *symmetry breaking*

### Defying baguette, LHC sends beam around half the ring



The CMS detector recorded this splash event on Nov. 7. Low-energy photons were dumped just upstream of the CMS detector, which detected tracks from the dump.

In a triumph for technology over toast, the LHC was back in top shape this weekend following last week's baguette-caused interruption to the cooling of two sectors. CERN [reports](#) that proton beams were sent halfway around the LHC in the counterclockwise direction, arriving at the doorstep of the CMS experiment on Saturday evening for the first time since last September. The CMS [e-commentary](#) has more photos and images of "splash" events in the CMS detector.

And in another piece of good news for the LHC, last week scientists at CERN celebrated the successful completion of the accelerator's new [Quench Protection System](#). The system, which includes more than 6000 new detectors, is designed to protect the LHC from another failure of the type that occurred last September.

Read more updates from [symmetry breaking](#).

— *Katie Yurkewicz*

## Fermilab Press Release

## Director's Corner

### 2010 is around the corner

Between the colloquium at Johns Hopkins last Thursday and a presentation to the URA Board of Trustees yesterday back in Washington, D.C., I made a quick trip to Irvine, Calif., to make a presentation to the National Academy of



Pier Oddone

Science's Board on Physics and Astronomy. My presentation was on the Fermilab program. It was part of an analysis by the BPA on the results of EPP2010, the broad NAS committee that made recommendations for the development of particle physics in the U.S. While it seems yesterday that we were dealing with EPP2010 — and 2010 was a few years away — now 2010 is around the corner. EPP 2010 was quite different from other NAS committees in that it included notable individuals outside our field. It was charged to prioritize opportunities and develop recommendations for the next 15 years. Dennis Kovar, head of the Office of High Energy Physics in DOE, Mel Shochet, chair of HEPAP, and Barry Barish among others, also made presentations to the BPA at Irvine.

In their most succinct form, the principal recommendations of EPP2010 were: 1) Fully exploit the opportunities afforded by the construction of the Large Hadron Collider (LHC) at the European Center for Nuclear Research (CERN); 2) Plan and initiate a comprehensive program to become the world-leading center for research and development on the science and technology of a linear collider, and do what is necessary to mount a compelling bid to build the proposed International Linear Collider (ILC) on U.S. soil and 3) Expand the program in particle astrophysics and pursue an internationally coordinated, staged program in neutrino physics. Underlying these recommendations were the strong statements made by EPP2010 about the importance of the US being a leader in this field at a time of great excitement in physics.

These recommendations, within the budgetary and political constraints of the intervening

information.

## Campaigns

[Take Five](#)

[Tune IT Up](#)

## H1N1 Flu

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

## Weather



[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secon Level 3](#)

## Wilson Hall Cafe

Tuesday, Nov. 10

- Bagel sandwich
- Tomato bisque soup
- Lemon pepper club
- Beef fajitas
- Korean garlic chicken
- Grilled chicken Caesar salad
- Assorted slices of pizza
- Rio Grande taco salad

[Wilson Hall Cafe Menu](#)

## Chez Leon

Wednesday, Nov. 11

Lunch

- Chicken Marsala
- Angel hair pasta
- Carrots with garlic and rosemary
- Cassata

Thursday, Nov. 12

Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

## Fermilab seeking Community Advisory Board nominations

Officials at the Department of Energy's Fermi National Accelerator Laboratory are seeking nominations from the local community for members to serve on a new Community Advisory Board. The new board will provide an opportunity for local citizens to participate in planning and developing the laboratory's future.

"Over the past five years, Fermilab has worked with two highly successful citizens' task forces," said laboratory Director Pier Oddone. "The work of our neighbors shaped Fermilab's approach to public participation and gave us invaluable input into community-related aspects of constructing scientific projects. We want to continue this working relationship with the local community as we plan for Fermilab's future."

Sometime after the Large Hadron Collider comes on line in 2010 at CERN, the European Organization for Nuclear Research in Geneva, Switzerland, Fermilab's Tevatron accelerator will cease operation. However, through multiple and diverse new projects, Fermilab will continue to play a world-leading scientific role with research at the energy, intensity and cosmic frontiers of particle physics. Fermilab will remain a large local employer and a strong contributor to the local economy.

[Read more](#)

## In the News

## Radio interview with Fermilab ecologist Rod Walton

From **WICN Public Radio**, Oct. 30, 2009

Fermilab in Illinois is America's premier research facility for studying high energy physics and contains North America's largest proton accelerator. Why would a cutting edge particle physics institution also have a staff ecologist? The reason is that besides everything else that goes on at Fermilab, since it was constructed it also has meticulously restored the long-grass prairie on its grounds and keeps track of the animals, birds, butterflies and plants that now inhabit the facilities grounds.

Tune in tonight when we speak with Fermilab "staff ecologist" Rod Walton about how protons and prairies work together.

[Listen to the interview](#)

years, have been influential for all subsequent plans. Clearly the LHC has not yet provided the drive or answers for determining any future lepton collider. R&D on the ILC continues world-wide with a target date for completion of the next plan in 2012. While the US has not declared its intention of being the host of such machine, it is not far behind in the development of the required technologies. The astrophysics and neutrino programs in the meantime have moved along nicely. We have not reached global coordination of the neutrino program, but we continue informal discussions to have complementary programs as much as possible with fellow laboratories in Japan. In the meantime, the U.S. plan with emphasis on the excitement at the three frontiers of particle physics has found resonance both in the administration and Congress.

## Accelerator Update

Nov. 6-9

- Five stores provided approximately 58.75 hours of luminosity
- 400 MeV chopper tube replaced
- LRF3 LCW leak repaired
- TeV quenched at A4 during shot setup

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

## Latest Announcements

[Veterans Day celebration in Kuhn Barn - Nov. 11](#)

[Become the speaker and leader you want to be - Nov. 12](#)

[PeopleSoft and Employee Self Service temporarily unavailable Nov. 12](#)

[Travelers must complete profile for TSA](#)

[Consider a car or van pool this winter](#)

[Fermilab's NALWO History of Wool Brown Bag Lunch today](#)

[Women in Science and Technology lunch - Nov. 11](#)

[Argentine Tango at Fermilab meets](#)

<p><a href="#">Archives</a></p> <hr/> <p><a href="#">Fermilab Today</a></p> <p><a href="#">Result of the Week</a></p> <p><a href="#">Safety Tip of the Week</a></p> <p><a href="#">CMS Result of the Month</a></p> <p><a href="#">User University Profiles</a></p> <p><a href="#">ILC NewsLine</a></p> <hr/> <p><b>Info</b></p> <hr/> <p><a href="#">Fermilab Today</a> is online at: <a href="http://www.fnal.gov/today/">www.fnal.gov/today/</a></p> <p>Send comments and suggestions to: <a href="mailto:today@fnal.gov">today@fnal.gov</a></p> <p>Visit the Fermilab <a href="#">home page</a></p>	<p><b>In the News</b></p> <hr/> <p><b>Particle passion: Argonne physicist honored with award</b></p> <p>From <i>Argonne National Laboratory Newsroom</i>, Oct. 28, 2009</p> <p><b>Editor's note:</b> <i>Mayly Sanchez is a collaborator on Fermilab's MINOS and NOvA neutrino experiments.</i></p> <p>For a scientist who studies the paths traveled by neutrinos, Mayly Sanchez has blazed a bright one of her own.</p> <p>Sanchez, a particle physicist at the U.S. Department of Energy's (DOE) Argonne National Laboratory, received an Outstanding Technical Achievement Award from the Hispanic Engineer National Achievement Award Corporation, or HENAAC.</p> <p><a href="#">Read more</a></p>	<p><a href="#">Nov. 11</a></p> <p><a href="#">International folk dancing Thursday evenings at Kuhn Village Barn</a></p> <p><a href="#">Access 2007: Intermediate class - Nov. 18</a></p> <p><a href="#">Free ACU Webinar on the Roth IRA conversions in 2010 - Nov. 18</a></p> <p><a href="#">Process Piping (ASME B31.3) class offered - Nov. 18, 19 and 20</a></p> <p><a href="#">"The Night Before Christmas Carol" at Fermilab Arts Series - Dec. 5</a></p> <p><a href="#">Fermilab Management Practices Seminar begins Feb. 11</a></p> <p><a href="#">Additional activities</a></p> <hr/> <p><a href="#">Submit an announcement</a></p>
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