

Calendar
Wednesday, Jan. 23
2:30 p.m.
[Particle Astrophysics Seminar](#)

- Curia II (NOTE DATE)

Speaker: Y. Mao, Massachusetts Institute of Technology

Title: Constraining Cosmological and Gravitational Parameters with Upcoming Astrophysical Data

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.
[Fermilab Colloquium](#) - One

West

Speaker: O. Sporns, Indiana University

Title: Complex Brain Networks - A Key to Understanding Brain Function

Thursday, Jan. 24
1 p.m.

Physics and Detector Seminar

- West Wing, WH-10NW

Speaker: U. Nauenberg, University of Colorado, Boulder

Title: Effectiveness of the BeamCal in Observing the Two-Photon Process

2:30 p.m.
[Theoretical Physics Seminar](#) -

Curia II

Speaker: K. Choi, Korea Advanced Institute of Science and Technology

Title: Moduli Stabilization and the Pattern of Sparticle Masses

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.
[Accelerator Physics and Technology Seminar](#) - One

West

Speaker: V. Lebedev, Fermilab

Title: Improvements in Antiproton Cooling and Stacking

Special Announcement
Oddone to meet Thursday with divisions, sections
Meetings will discuss upcoming furloughs

Director Pier Oddone and senior lab managers will meet with employees of all divisions and sections on Thursday, Jan. 24, in Ramsey Auditorium. The one-hour meetings will provide information and respond to questions about the rolling furlough program that will begin in February as a budget-cutting measure.

9:30 a.m.

Accelerator Division, Technical Division, Accelerator Physics Center

11 a.m.

Computing Division, Particle Physics Division, Center for Particle Astrophysics, CMS Center

1:30 p.m.

Business Services Section, Directorate, ES&H Section, Facilities Engineering Section, Finance Section, Workforce Development & Resources Section

In addition to attending the meetings for their divisions and sections, employees who are visa holders and their supervisors should also attend a special meeting at 3:30 p.m. in Ramsey Auditorium. Employees should reserve visa-related questions for this meeting.

Employees will receive packets of furlough information by campus mail today, Wednesday, Jan. 23. The materials are also available online at <http://www.fnal.gov/faw/furlough/>

Feature
From Center for Particle Astrophysics
Top 10

Today's column is by Scott Dodelson, acting head of the Center for Particle Astrophysics.

Fermilab Director Pier Oddone recently urged us to continue to work hard to show that we deserve the support we get from Congress. This year's plan to move forward in the Center for Particle Astrophysics is to build on what we accomplished last year. Here is a top 10 list of the our



Scott Dodelson

accomplishments and achievements from 2007, in no particular order:

- COUPP obtained record sensitivity to low-mass, spin-dependent interacting dark matter with its prototype chamber.
- The CDMS collaboration collected enough data to regain the lead in the search for spin-independent interacting dark matter and received CD-0 approval for SuperCDMS.
- Pierre Auger found that the highest energy cosmic rays are correlated with Active Galactic Nuclei.
- The Beyond Einstein Program Assessment Committee singled out the Joint Dark Energy Mission as the program's first major mission. Fermilab is a major partner in one of the leading candidates, SNAP, and we produced a long-range plan for our participation.
- GammeV ruled out the existence of an ultra-light, milli-electron-volt particle as suggested by the PVLAS experiment. Construction to publication took less than a year.
- The Sloan Digital Sky Survey continued to produce fascinating science. Fermilab researchers led the supernova search, which discovered 500 type Ia supernovae that will constrain dark energy.
- The Center initiated a cosmological computing effort that received the blessing of the Physics Advisory Committee. By the end of this month, scientists will use a 560-core cluster in Fermilab's New Muon Lab to

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

Weather



Snow showers 17°/-1°

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

Current Security Status

Secou Level 3

Wilson Hall Cafe

Wednesday, Jan. 23

- Portabello harvest grain
- Santa Fe chicken quesadilla
- Hoisin chicken
- Beef stroganoff
- Cuban panini
- Assorted slice pizza
- Pesto shrimp linguini w/leeks & tomatoes

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Jan. 23 Lunch

- Tinga con tostadas
- Rice & beans
- Pico de gallo
- Pastel de tres leche

Thursday, Jan. 24 Dinner

- Coquille St. Jacques
- Grilled duck breast w/ lingonberry wine sauce
- Roasted butternut squash
- Wild rice w/raisins
- Chocolate fondue w/fresh fruit

[Chez Leon Menu](#)

Call x4598 to make your reservation.

Archives

URA creates Visiting Scholars Program, seeks applications



Universities
Research
Association, Inc.

To support joint Fermilab-URA research initiatives, the Universities Research Association has initiated a Visiting Scholars Program that will provide researchers with more than \$400,000 per year for the next five years. The program will support visits by researchers from URA member institutions to work at Fermilab for periods of up to one year. The application deadline for the first round of scholarships is March 1.

As part of a commitment under the new FRA/DOE contract for the operation of Fermilab, the 89 URA member institutions each have agreed to contribute \$5,000 per year, for the next five years, to support research at Fermilab. The seven regional URA representatives on the [FRA Board of Directors](#) are administrating the Visiting Scholars Program. Applicants must be employed by, or in the case of students enrolled at a [URA member institution](#).

"This program is for students, postdocs and faculty doing research in high-energy physics experiments, astrophysics, theory, accelerator physics, material science and computer science related to the Fermilab mission," said Northwestern University physicist Heidi Schellman, one of the URA regional representatives on the FRA Board. "We will judge the applications on their scientific merit. Individual awards may be up to a maximum of \$50,000 in any 12-month period."

Visits eligible for scholarships include trips to conferences and summer schools as well as year-long stays at Fermilab. The scholarships can pay for costs such as transportation and lodging during short visits or can provide stipend support during a longer visit. To obtain more information and to apply for a scholarship, visit this [Web site](#).

Since January 2007, URA and the University of Chicago jointly manage the laboratory as the Fermi Research Alliance, LLC. Last year, the University of Chicago announced a [Strategic Collaborative Initiatives program](#) as part of its FRA commitment.

-- Kurt Riesselmann

simulate the origins of the universe.

- The Dark Energy Survey achieved numerous milestones, including fabrication of the optical corrector and CD-1 approval.
- The Center hosted three successful workshops, including one on Dark Matter that attracted more than 150 participants.
- During a successful Center retreat we discussed, sorted through the possibilities and laid the ground work for future projects.

Congratulations to all who helped to make these achievements possible. Keep up the good work.

Safety Update

ES&H weekly report, Jan. 23

This week's safety report, compiled by the Fermilab ES&H section, lists one incident. Fermilab employees now have worked 39 days without a Recordable Injury, and 108 days since the last injury that resulted in restricted or lost time. The full report is [here](#).

[Safety report archive](#)

Accelerator Update

Jan. 18-22

- 4 stores provided over 44 hours of integrated luminosity
- Beam ran well to neutrino experiments
- Access time utilized for needed repairs

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Have a safe day!

Employee Assistance Program

The January newsletters of the Employee Assistance Program now are available for [employees](#) and [supervisors](#). The newsletters provide tips for the new year and information on the Employee Assistance Program, which is provided by VMC Behavioral Healthcare Services. Brian Malinowski, EAP counselor, is at Fermilab on Wednesdays and Fridays, x3591, brianm@fnal.gov. As an employee, you have 24-hour access to assistance, seven days a week by calling 1-800-843-1327.

Project X physics workshop Jan. 25-26

Fermilab will host a second users' workshop Jan. 25-26 to discuss the physics of Project X.

[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[ILC NewsLine](#)**Info**

Fermilab Today

is online at:

www.fnal.gov/today/

Send comments and suggestions to:

today@fnal.gov

Photo of the Day**Meridian String Quartet performs**

The Meridian String Quartet performed a sold-out show on Sunday in the Fermilab Art Gallery.

In the News**Dark days, bright outlook**

From *Beacon News*, Jan. 21, 2008

Despite cash crisis, Fermi director encouraged by outpouring of support

Pier Oddone has been the director of Fermilab for 2½ years, coming to Batavia from the Lawrence Berkeley National Laboratory in Berkeley, Calif.

During his time, the lab has weathered its share of funding crises, but Oddone says the latest is the worst of his career, and the worst in the lab's history.

Last month, Congress passed an omnibus appropriations bill that took a huge bite out of funding for high-energy physics. At Fermilab, the result was a \$52 million cut from what had been expected, effectively shutting down research on two main projects at the lab -- the International Linear Collider and the NOVA neutrino experiments.

Within days of hearing the news, Oddone called an all-hands meeting at Fermilab and announced 10 percent of the staff would have to be laid off, and the rest put on rolling furloughs. Since then, he and the lab have received an outpouring of support from the local communities, and Oddone holds out hope that Illinois' federal legislators are listening and will restore the funding.

[Read more](#)

Read all related news stories [here](#).

The workshop will focus on the details of the experiments that might be proposed to take advantage of a high-intensity proton source, their physics impact and the development of the overall experimental strategy. Information about the workshop, working groups and ongoing efforts is available [online](#).

Brown Bag Seminar Jan. 25

Wellness Works will present a Brown Bag Seminar in Curia II from noon to 1 p.m. on Jan. 25 entitled "Who moved my Cheese" by Preston Harley, M.D.

Pidgin: Secured Onsite Instant Messaging Client course

A course on Pidgin, an instant messaging client supported by the Computing Division, will be offered Feb. 12 and 14. Learn what instant messaging has to offer and how to use Pidgin. [Learn more and enroll](#)

[Additional Activities](#)

