

Calendar

Tuesday, Jan. 20

2:30 p.m.

Particle Astrophysics Seminar
- Curia II (NOTE DATE)

Speaker: Eduardo Rozo, Ohio
State University

Title: Self-Calibrated
Cosmological Constraints from
the SDSS maxBCG Cluster
Sample

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

Wednesday, Jan. 21

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4 p.m.

[Fermilab Colloquium](#) - One
West

Speaker: Apostolos
Georgopoulos, University of
Minnesota

Title: Brain Mechanisms of
Cognitive Processing

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

Weather

 Partly sunny
19°/13°

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

Current Security
Status

[Secon Level 3](#)

Wilson Hall Cafe

Feature

New Scientist article featuring Craig Hogan is most read



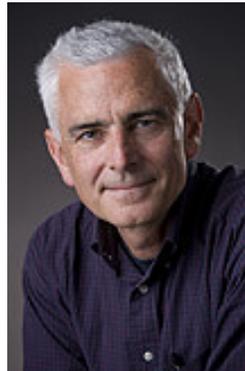
Cover of the Jan.
17, 2009 issue of
New Scientist

A *New Scientist* cover article featuring the research of Craig Hogan, Fermilab's head of the Center for Particle Astrophysics, has become the publication's most popular news story ever. The article, which features Hogan's possible solution to a problem plaguing the GEO600 experiment,

received one third of all traffic to *New Scientist's* Web site on Friday.

According to the article, Hogan believes that the German-British gravitational wave detector has discovered the fundamental limit of space-time. If he's right, the results could mean that we actually live in a giant cosmic hologram.

[Read the article](#)



Craig Hogan

Milestone

Fermilab team completes 3.9-GHz cavity string



The assembled four-cavity string for the 3.9-GHz cryomodule.

In Friday's *Fermilab Today*, we ran an [ILC Newsline article](#) from Jan. 8 about progress on the 3.9-GHz cryomodule cavity string.

Director's Corner

Inauguration



Fermilab Director Pier Oddone is attending the presidential inauguration. See a cartoon view of him above. The Director's Corner will appear in Wednesday's issue of *Fermilab Today*.

In the News

Positive confirmation hearing for Steven Chu

From *AIP FYI*, Jan. 16, 2009

Lawrence Berkeley National Laboratory Director Steven Chu's appearance before the Senate Energy and Natural Resources Committee went well. This hearing to consider Chu's nomination as the next Secretary of the Department of Energy demonstrated much interest in the nominee's view on the future of nuclear and coal-fired electricity production, bioenergy and solar energy, global warming, and, in some cases, local concerns.

Committee chairman Jeff Bingaman (D-NM) set the tone for this January 13 hearing in his opening remarks: "We're very fortunate to have a nominee of Dr. Chu's high caliber to take on these responsibilities. He will bring to the job the keen scientific mind of a physicist and Nobel Laureate, the experience and understanding of the Department of Energy, of

Tuesday, Jan. 20

- Creamy turkey vegetable
- Chili dog
- Smart cusine: shepard's pie
- Chicken cacciatore
- Italian panini w/provolone
- Assorted sliced pizza
- Super burrito

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Jan. 21

Lunch

- Spiced cornish hens
- Broccoli & rice
- Berry tart

Thursday, Jan. 22

Dinner

Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives

[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

We received an update that the fourth cavity was successfully tested and installed into the string of cavities pictured above in the MP-9 clean room. The cavity string will be moved for module assembly today.

The Fermilab team, led by Helen Edwards and Elvin Harms, Jr., has worked for years to assemble the cavities. It hopes to ship the completed cryomodule to DESY in March where it will be used in the FLASH free-electron laser.

"This will be the first truly Fermilab built superconducting RF module," Harms said.

The collaboration with DESY was Fermilab's first experience in producing this type of cavity, which stores radio-frequency energy to power particles passing through the cryomodule. The knowledge the team has received from assembling the cavities can later be applied to building cavities for the Fermilab's proposed proton accelerator, Project X.

In the News

ESA seeks to join US dark energy mission

From *Nature*, Jan. 16, 2009

Deal would boost JDEM budget but scupper Europe's Euclid.

The European Space Agency (ESA) is seeking a slot as the third partner in the Joint Dark Energy Mission (JDEM), alongside two US agencies already involved — NASA and the Department of Energy (DOE). A deal would boost the budget as well as the flight chances for the space telescope, which, launched sometime next decade, would peer beyond the Milky Way to pin down the mysterious force which is accelerating the universe's expansion. However, a merger would spell the end for Euclid, a proposed stand-alone ESA dark energy mission.

[Read more](#)

a national laboratory director and the insight and vision needed to forge an energy policy for the 21st century. President-elect Obama has made an excellent choice in nominating Dr. Chu to be the Secretary of Energy. I strongly support his nomination. . . ." The committee's Ranking Republican, Lisa Murkowski (R-AK) echoed these remarks, saying "I think it's probably fair to say that you are uniquely poised in your ability to bring with you the background that relates to science and technology." All of the other committee members shared this enthusiasm.

[Read more](#)

Announcements

Benefits Update

[Changes to the Family and Medical Leave Act Jan. 16](#)

Travel Update

[Changes in U.S. admission procedure](#)

[Have a safe day!](#)

[Intermediate / Advanced Python Programming - Jan. 27 - 29](#)

[ACU bill pay demonstration Jan. 29](#)

[Outlook 2007 New Features classes scheduled Feb. 3](#)

[Conflict Management & Negotiation Skills class being offered Feb.3](#)

[PowerPoint 2007: New Features class being offered Feb. 3](#)

[Facilitating Meetings That Work class being offered Feb. 4](#)

[Word 2007: New Features class being offered Feb. 4](#)

[Excel 2007: New Features class being offered Feb. 4](#)

[Interpersonal Communication Skills class being offered Feb. 5](#)

[Submit an announcement](#)

[Additional Activities](#)

