

Calendar

[Have a safe day!](#)

Tuesday, April 28
2 p.m.

[Particle Astrophysics Seminar](#)

- Curia II (NOTE DATE and TIME)

Speaker: Angela Olinto,
University of Chicago
Title: The Highest Energy
Cosmic Particles

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY

4 p.m.

[Extreme Beam](#) - Physics at the

Intensity Frontier Lecture
Series - One West

Speaker: Bill Marciano,
Brookhaven National
Laboratory

Title: The Moun g-2 and New
Physics

Wednesday, April 29

11 a.m.

[Academic Lecture Series](#) -

Curia II

Speaker: Bill Marciano,
Brookhaven National
Laboratory

Title: Muon Physics: Past,
Present, and Future: Course 1,
Lecture 2

11:30 a.m.

Disability Awareness Group
Seminar - One West

Speakers: Sara Klaas,
Shriners Hospital for Children
and Nick Fonner (Paralympian)

Title: Spinal Cord Injury
Awareness

3:30 p.m.

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

4 p.m.

[Fermilab Colloquium](#) - One
West

Speaker: Lefteri Tsoukalas,
Purdue University

Feature

New personnel strengthen U.S. CMS operations



Aron Soha

Each Wednesday at 8 a.m. Aron Soha meets with members of the shift crew at the U.S. CMS Remote Operations Center who help to monitor the CMS experiment.

At the same moment 5,000 miles away at CERN, Juan Lopez starts a midweek global test run to take data for the same experiment.

The two will connect an hour later at their regular meeting updating each other on that day's plans. Although separated by a seven-hour time difference, Lopez and Soha work together to monitor CMS data. Kaori Maeshima, U.S. CMS operations coordinator, said they have worked together seamlessly since they started in February.

The success of the remote operation hinges on the close communication and up-to-date information transfer between the CMS experiment site and the ROC.

"Juan and I have been in constant communication since we started on these projects," Soha said.

Soha and Lopez are also working with a team to develop a suite of Web based monitoring tools which aim to improve the CMS experiment's data-taking efficiency. To test a new down-time logging tool, Lopez provides Soha with raw down time information from the CMS experiment site and Soha uses it to further develop the tool.

Previously Lopez worked in CERN's Computing Division, and Soha worked as a CDF collaborator for more than five years. Now Lopez is the U.S. CMS remote operations liaison for U.S. CMS at CERN. Soha is an engineering physicist at the Remote Operations Center at Fermilab.

"They are both fantastic," Maeshima said. "They are learning so fast and already doing useful things for CMS and we are working

Director's Corner

Celebration!



[Fermilab Director Pier Oddone honors Marge Bardeen at a tribute event on Friday, April 24.](#)

Last Friday night we celebrated Marjorie Bardeen and her 25 years of dedicated and creative service to [Fermilab Friends for Science Education](#). Marge stepped down last year from leading FFSE, the not-for-profit membership organization that contributes to education programs at the laboratory. Susan Dahl has assumed the leadership of FFSE and Marge continues to lead our Education Office.

Friday night's event was a celebration not only of Marge, but also of the great education program that exists today at Fermilab under Marge's leadership. Membership fees and individual and corporate contributions through FFSE give us flexibility to design new programs and to enhance the education programs that we can carry out with DOE and NSF support. In 1983, FFSE, then called Friends of Fermilab, offered the first professional development program for teachers, the Summer Institute for Science Teachers. This pioneering adventure set a key characteristic for all the programs that followed: the involvement of teachers at an early stage. Since then, every program first listens to what the teachers and administrators need for their students' science education.

Fermilab's science education programs supported by FFSE, DOE and NSF have created a huge legacy. They have served as models for teaching science to young people and have been emulated at other DOE sites and beyond. Programs include Beauty and

Title: Inventing an Energy Internet: Concepts, Architectures and Protocols for Smart Energy Utilization

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

Weather



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

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

- Tuesday, April 28
- Tomato bisque
- Lemon pepper club
- Beef fajitas
- Korean garlic chicken
- Grilled chicken caesar wrap
- Assorted sliced pizza
- Rio Grande taco salad

[Wilson Hall Cafe Menu](#)

Chez Leon

- Wednesday, April 29
- Lunch
- Asian marinated flank steak
- Jasmine rice
- Peapods & water chestnuts
- Orange flan

- Thursday, April 30
- Dinner
- French onion soup
- Filet mignon w/ cabernet sauce
- Buttermilk mashed potatoes
- Asparagus
- Marzipan cake w/ chocolate sauce

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives

together as a team closely.”

Lopez's presence at CERN improves effectiveness of the monitoring tools and remote operations. The group communicates with video conferences, e-mails and phone calls.

“The ultimate goal is to have physics discoveries at the LHC,” Soha said. “By using the ROC, we enable people to be a part of that.”

-- Tia Jones

Special Announcement

Fermilab introduces more comprehensive Web site



Fermilab unveiled its new Web site on April 27. A Web team, including personnel from the Office of Communication and a Web contractor, transformed the site into a communications channel for both the public and the physics community, with easier navigation and a cleaner, fresher look.

The home page now includes a scrolling multiple feature format that highlights four items.

The new Web site now features Science at Fermilab, an up-to-date section that contains information on the Laboratory's research and research areas. The [Science at Fermilab](#) section also explains the Tevatron, the laboratory's experiments and projects and the benefits of particle physics to society.

Charm, Particles and Prairies, Beneath the Ashes, Topics in Modern Physics, Science Adventures, Phriendly Physics, ARISE, LinC and QuarkNet. Of course, an education program such as this is not built only by its leader but by the team at the Lederman Science Education Center, volunteers, docents and K-12 teachers who are passionately committed to education. In any given year, instructors include 50 educators and 200 Fermilab staff members who volunteer as mentors, guides, experts and more. In celebrating Marge we celebrate all of them!

The impacts of the education programs at Fermilab are astounding. In the 14 years between 1994 and 2007, we connected through the many programs with 75,000 teachers and 336,000 students. Through the vicissitudes of funding it is remarkable that Fermilab's science education program has flourished. We thank Marge Bardeen for her leadership and devotion to creating a beautiful program, always with charm.

Special Announcement

Extreme Beam lecture today, 4 p.m. in One West



The next Extreme Beam lecture takes place today at 4 p.m. in One West.

The fourth lecture of the Extreme Beam lecture series will take place at 4 p.m. today in One West. Bill Marciano, from Brookhaven National Laboratory's High-Energy Physics Theory Group, will give a talk titled “The Muon g-2 and New Physics.”

The lecture series, which will feature talks at Fermilab throughout 2009, will give in-depth information about the science and accelerator and detector technologies that will create a world-leading physics program at the Intensity Frontier.

Visit the [Extreme Beam Web site](#) for more

[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

To make it even easier to learn more about what is happening at Fermilab, the Office of Communication has also launched a [Twitter feed](#) and a [YouTube Channel](#). Just visit the links on the Follow Fermilab section of the home page.

In the News

Obama: 3 percent of GDP for R&DFrom *AIP FYI*, April 27, 2009

President Barack Obama addressed an overflow audience at the 146th Annual Meeting of the National Academy of Sciences on April 27. In his expansive speech, the President called for greater investments in research and development, and science education.

The following are select quotes from the President's speech:

"Federal funding in the physical sciences as a portion of our gross domestic product has fallen by nearly half over the past quarter century. Time and again we've allowed the research and experimentation tax credit, which helps business grow and innovate, to lapse.

[Read more](#)**Energy Frontier Research Center (EFRC) Awards**From *Department of Energy's Office of Science*, April 27, 2009

The White House today announced that the U. S. Department of Energy Office of Science will invest \$777 million in Energy Frontier Research Centers (EFRCs) over the next five years. In a major effort to accelerate the scientific breakthroughs needed to build a new 21st-century energy economy, 46 new multi-million-dollar EFRCs will be established at universities, national laboratories, nonprofit organizations, and private firms across the nation (White House Fact Sheet).

Supported in part by funds made available under President Obama's American Recovery and Reinvestment Act (Recovery Act), the EFRCs will bring together groups of leading scientists to address fundamental issues in fields ranging from solar energy and electricity storage to materials sciences, biofuels, advanced nuclear systems, and carbon

information.

Accelerator Update

April 24-27

- Three stores provided ~9.5 hours of luminosity
- TeV quench and store 2997 lost due to cold box failure
- LRF2 repaired
- I- Source water resistor compression fitting repaired
- Recycler sets New Record Stash: 502.85E10
- Booster and MI will access on 4/28/09

The integrated luminosity for the period from 4/20/09 to 4/27/09 was 47.42 inverse pico barns.

[Read the Current Accelerator Update](#)[Read the Early Bird Report](#)[View the Tevatron Luminosity Charts](#)

Announcements

[PREP counter moving - closed today](#)[Fermilab club & league fair tomorrow](#)[Registration for Users' Meeting now open](#)[April is National Humor Month...click on the link for the joke of the day](#)[Spinal Cord Injury Awareness Seminar - April 29](#)[Greek Folk dance workshop - April 30](#)[NALWO - spring tea - May 1](#)[English country dancing, May 3](#)[Word 2007: New Features class May 5](#)[Excel 2007: New Features class May 7](#)[National Day of Prayer observance May 7](#)[Best of Dance Chicago - Fermilab Arts Series - May 9](#)[Rapid Hardware Prototyping and Industrial Control Application Development seminar May 13](#)

capture and sequestration (synopses of the 46 EFRC awards).

[Read more](#)

[Co-ed softball season begins May 13](#)

[Summer co-ed volleyball league begins June 1](#)

[Argentine Tango classes through May 13](#)

[New Fermilab Service Desk online](#)

[Discounted rates at Grand Geneva Resort, Lake Geneva, WI](#)

[Conflict Management and Negotiation Skills class June 3 and 10](#)

[Discount tickets to "1964"...Beatles tribute - June 6](#)

[SciTech summer camps](#)

[Additional Activities](#)

[Submit an announcement](#)