

Calendar

Friday, Feb. 27

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

[Joint Experimental-Theoretical Physics Seminar](#) - One West

Speaker: Mayly Sanchez,
Argonne National Laboratory
Title: Initial Study of nm \rightarrow ne
Transitions in MINOS

8 p.m.

[Fermilab Lecture Series](#) -

Auditorium

Tickets: \$5

Speaker: Dr. Angela Olinto,
University of Chicago
Title: Chasing Cosmic Bullets:
The Pierre Auger Observatory

Monday, March 2

2:30 p.m.

[Particle Astrophysics Seminar](#)

- Curia II

Speaker: Eiko Regos, CERN
Title: Low-Scale Gravity Black
Holes at the LHC

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

All Experimenters' Meeting -
Curia II

Special Topic: CMS and LHC
Status

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

Weather



Breezy
23°/16°

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

Current Security
Status

[Secon Level 3](#)

Feature

On-site daycare gets top marks



The Fermilab daycare earned kudos for its positive teacher-student interactions seen here in a 2005 file photo.

The Fermilab on-site daycare earned national accreditation by the National Accreditation Commission for Early Care and Education Programs.

This recognition certifies that the daycare's early childhood programs "exemplify high standards in care and education." The commission commented on the daycare's overall compliance to national standards and the strong, positive teacher-child interactions.

"They talked about their review to us and it was really a learning environment," said Kay Van Vreede, head of the Workforce Development and Resources section. "We're really excited about this."

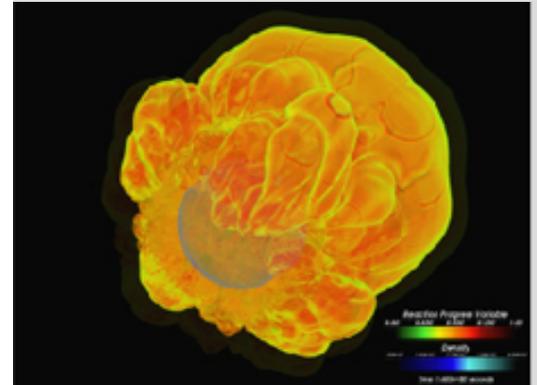
The accreditation helps the laboratory meet DOE standards and strengthens the laboratory's reputation as one of the best places to work in Chicagoland.

"Going through the process of accreditation has definitely been a group effort," said Pattie Hedrick, daycare head. "The staff at the center consistently works to ensure that the quality of child care offered at the center meets national standards. We have also been fortunate to have had a lot of support from Fermilab management, the families of the children enrolled at the center and many departments here at Fermilab."

To receive accreditation, the daycare submitted a self evaluation and then commission members interviewed staff and parents, reviewed daycare documents and made visits to classrooms. Reviewers

From *iSGTW*

Using simulations to learn about cosmic evolution and its connections to Earth's history



A still from a simulated animation of a Type 1a supernova. *Image and animation courtesy of flash.uchicago.edu.*

Robert Rosner, director of Argonne National Laboratory and professor at the University of Chicago, spoke Friday, Feb. 13 at the AAAS conference in Chicago about the role of simulation in studying the origins and evolution of the universe.

What is matter? Where did it come from? What is the future of the universe? To answer these compelling questions, astrophysicists are trying to learn more about the physics of the big bang, and the origin of structure – the formation of the initial clumps of matter from the primordial soup. Computational tools and resources are indispensable to pursuing these fundamental questions.

Direct observation of the cosmos has uncovered a host of facts. For example, the universe is expanding from the big bang and its expansion is accelerating. But observation will only take us so far, said Rosner. Scientists need to use theory to construct possible 'scenarios', and test them via experiments at particle accelerator laboratories and via computer simulations. Rosner presented simulated animations from a couple of important projects as examples of the use of simulation in astrophysics.

[Read more](#)

Correction

Wilson Hall Cafe

Friday, Feb. 27

- New England clam chowder
 - Black & blue cheeseburger
 - Tuna casserole
 - Smart cuisine: Dijon meatballs over noodles
 - Bistro chicken & provolone panini
 - Assorted sliced pizza
 - *Carved top round of beef
- *Carb restricted alternative*

[Wilson Hall Cafe Menu](#)**Chez Leon**

Wednesday, March 4

Lunch

- Italian sausage puttanesca
- Mixed green salad with tangy herb vinaigrette
- Berry filled brown sugar meringues

Thursday, March 5

Dinner

- Beef Fondue with assortment of sauces
- Romaine w/parmesan vinaigrette
- Banana split tartlet

[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

critiqued the daycare in five areas: family engagement, interactions, health and safety, curriculum and administration.

Associate Head of ES&H Martha Michels, who had a child go through the daycare program, said she wasn't surprised at all that the daycare got such high marks.

"It's a great daycare," she said.

--Tona Kunz

Photo of the Day**Looking for food**

AD's Greg Vogel sent in this photo of a red-tailed hawk scanning the area for food. The photo was taken Feb. 24 near the 8 GeV line.

In the News

Dr. George Coutrakon, former Fermilab physicist, to work with proton beam at the Northern Illinois Proton Treatment and Research Center

From *Chicago Tribune*, Feb. 26, 2009

When engineers and physicists at Fermilab were building the first proton accelerator for a medical application 20 years ago, Dr. George Coutrakon was in the thick of it.

Shivering in the winter, perspiring in the summer heat, Coutrakon and other physicists figured out how to produce a proton beam strong enough to radiate the deepest tumors with a machine that could be moved and manipulated to deliver radiation wherever a patient needed it. They did their work in a temporary building set up in a parking lot at Fermi National Accelerator Laboratory near Batavia.

"We had to do our testing outside at night,"

Correction

 In the version of *Fermilab Today* that was sent to all inboxes yesterday, the headline for the Photo of the Day identified the delegation from Hungary as from Hungaria. We do know that Hungaria doesn't exist and want to apologize for the error, particularly to our Hungarian collaborators.

[Hungarian flag](#)

Announcements

[Have a safe day!](#)

[Muscle Toning classes](#)

[Kyuki Do classes - March 30](#)

[The Pierre Auger Experiment - lecture by Dr. Angela Olinto - Feb. 27](#)

[Summer Student Program - Feb. 27](#)

[English Country Dancing, March 1](#)

[Sounding of outdoor sirens, March 2](#)

[Introduction to LabVIEW class offered March 5](#)

[Arianna String Quartet performs in Gallery Chamber Series - Sunday, March 8](#)

[On-Site Housing - Summer 2009 - deadline - March 9](#)

[Deadline for The University of Chicago Tuition Remission Program - March 12](#)

[Fermilab Arts Series presents Solas - March 14](#)

[Altium Designer Lunch and Learn Seminar - March 17](#)

[Excel 2007 Pivot Tables class offered March 18](#)

[Access 2007: New Features class offered March 18](#)

[PowerPoint 2007: Intro class offered March 19](#)

Coutrakon, 57, recalled. "It turned out they weren't going to let us run during the day because there was not enough safety involved."

That accelerator that Fermilab built went to Loma Linda University, where it became the first hospital-based proton therapy cancer center in the nation. Coutrakon went with the accelerator to California, where he has worked as the director of beam operations.

Now Coutrakon has returned to the area where his journey into physics and medicine began: He will be technical director at the Northern Illinois Proton Treatment and Research Center, which is under construction in the DuPage National Technology Park in West Chicago.

[Read more](#)

[Bulgarian Dance Workshop, March 19](#)

[URA visiting Scholars applications due March 20](#)

[NALWO Adler Planetarium Trip March 21](#)

[Child Care program offered - March 24](#)

[Publisher 2007: Intro class April 1](#)

[Conflict Management & Negotiation Skills class offered April 1](#)

[Outlook 2007 New Features class offered April 8](#)

[SciTech Summer Camps](#)

[Online Oxford English Dictionary now available site wide](#)

[Additional Activities](#)

[Submit an announcement](#)