

Calendar

Monday, Jan. 12

2:30 p.m.

[Particle Astrophysics](#)

[Seminar](#) - Curia II

Speaker: Roban Kramer,
Columbia University
Title: Quasar Lyman-alpha
Emission Lines as Probes
of Reionization

3:30 p.m.

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

4 p.m.

All Experimenters' Meeting -
Curia II

Tuesday, Jan. 13

3:30 p.m.

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

4 p.m.

Accelerator Physics and
Technology Seminar - Curia
II (NOTE LOCATION)

Speaker: Slava Danilov,
Oak Ridge National
Laboratory
Title: High Intensity Ring
Physics and Technology at
SNS

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

Weather



Snow
27°/14°

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

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Monday, Jan. 12

- Minestrini
- Patty melt

Feature

Lost Boys visit shows need for understanding of diversity



Lost Boys from Sudan present in One West on
Dec. 17.

Peter Bol escaped violence in Sudan and a
refugee camp in Kenya to make his way to
America.

Yet he, like many other "[Lost Boys](#)",
returned to the still volatile African country
of his birth.

"A lot go back like me to start schools," he
told Fermilab staff during a lunchtime
colloquium. "If you educate the villagers
that they live in a diverse country, -
Muslims, Arabs, Africans - the government
will not be able to use that against them to
divide them."

Learning the prevalence of diversity, that it
is not something to fear and that even the
most diverse groups share much in
common, builds a platform for future
cooperation. It is the first step for the
Sudanese to learn to govern themselves,
and their vast oil resources, in the best
interest of the entire country, he added.

Likewise, that same knowledge also is the
first step to creating a more comfortable,
accepting, and likely productive, workforce.

The Fermilab Planning Group for
Multicultural Events organized the
December visit by a group of Lost Boys as
part of Universal Human Rights Month.

Director Pier Oddone created the planning
group in July 2007 as one of several
subcommittees of the [Diversity Council](#)
tailored to increase awareness of diversity
at the laboratory and in the surrounding

Safety Tip of the Week

Stay alert and prepare for winter driving



Bartlett Police officer
Chris Pearson gave a
seminar on winter
driving at Fermilab last
week.

Winter weather adds
new driving
challenges and
increases accidents,
even among
motorists who have
answered the
laboratory's call to
improve traffic
safety.

Fermilab employees
and users decreased
overall traffic
accidents by 20
percent between

2007 and 2008, but saw snow-related
accidents rise 15 percent during that same
time.

So Fermilab's Traffic Safety Subcommittee
members thought it wise to have a Brown
Bag Seminar on winter driving skills last
week.

Chris Pearson, a Bartlett Police Department
officer who operates [Green Light Driving
School](#), told listeners that most winter
weather accidents result from driving too
fast for conditions or following too closely.

Rick Reinert, with Fermilab's Traffic Safety
Subcommittee, added that there are three
locations on site where vehicles tend to
slide off the road: Pine Street between A
Road and the Science Center, the B Road
curve approaching the Receiving Road and
the Swenson Road curve near the pond at
DZero. But making any turn on slick
pavement can cause sliding unless you
reduce speed, keep the wheel steady and
allow for long braking distances. If you
begin to slide, gently let off the accelerator
and turn in the direction you want to go,
Pearson said.

Preparation can help relieve many of the
challenges of winter driving. Pearson
offered the following suggestions to
winterize your vehicle.

- Replace worn windshield wipers and top
off window cleaning fluid.

- Baked chicken enchiladas
- Smart cuisine: Herbed pot roast
- Chicken melt
- Assorted sliced pizza
- Szechwan green bean w/chicken

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, Jan. 14 Lunch

- Stuffed cabbages
- Mashed potatoes
- Apple strudel

Thursday, Jan. 15 Dinner

- Chipotle shrimp w/ corn cakes
- Stuffed flank steak
- Lemon risotto
- Chocolate mousse pie

[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

communities.

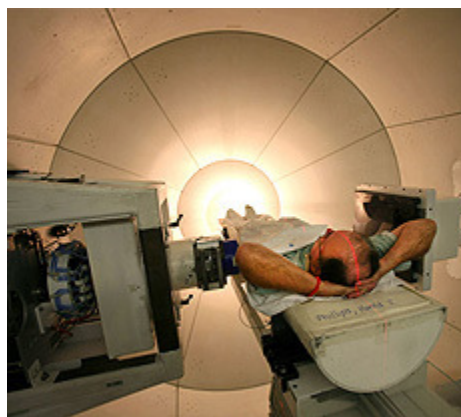
The lecture drew young and old listeners of several ethnicities and nationalities. The crowd of several dozen employees and users had many questions for the men about their lives in Sudan and their [work in Naperville](#). The Sudanese Community Center there helps refugees learn life skills, celebrate the best of their culture and change divisive traditions such as a lack of education for women.

"That's the way we begin empowering ourselves here," Bol said. "Then we transfer that empowerment back home."

-- Tona Kunz

From *symmetry*

The power of proton therapy



When it comes to getting rid of cancer, the sharpest scalpel may be a proton beam. Technology conceived and hatched in highenergy physics is now treating thousands of patients per year, with fewer side effects. And research under way promises a new generation of smaller, cheaper, more effective proton therapy systems.

Forty years ago, doctors broke the news to the family of a small boy: Their five-year-old had cancer. Fortunately it was a type of cancer, called lymphocyte predominant Hodgkin's disease, that responded well to radiation treatment.

The doctors repeatedly beamed X-rays at the areas where cancer had infiltrated the boy's lymph nodes—under his arms, on his neck, and in the middle of his chest—and the cancer went away.

The boy was cured, but his health would never be the same.

When he had a growth spurt at puberty, the irradiated parts of his body didn't grow as much or as fast as the rest. His neck was

- Inflate tires to their recommended pressure to maximize contact area with the ground.
- Clean snow and ice off all lights and windows.
- Keep in mind that four-wheel drive vehicles offer no traction advantages on ice and that roads can ice over at 40 degrees.

In the News

Who Ordered the Dark Matter and Dark Energy?

From *Examiner.com*, Jan. 4, 2009

Fraser Cain and Pamela Gay are the hosts of Astronomy Cast, a weekly astronomy podcast that follows a facts-based journey through the Universe. One of the common complaints they get from listeners is that they just don't like "dark" stuff. You know, dark matter and dark energy. Why do astronomers have to go and invent something called dark matter or dark energy? In this episode, Fraser and Pamela provide a useful analogy that will help astronomy enthusiasts understand what dark matter and dark energy ...

[Listen to podcast](#)

Accelerator Update

Jan. 7-9

- Three stores provided 34.25 hours of luminosity
- Failed amplifier causes Booster RF sparking
- Cryo system experts conduct TeV wet engine maintenance
- Pbar stacking rate drops due to bad PLC

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

[Have a safe day!](#)

[Science Chicago hosts Mythbusters](#)

[Register now for Fermilab Open House Jan. 17](#)

[Fermilab Barnstormers meeting Jan. 14](#)

[Argentine Tango Classes begin Jan. 14](#)

[Outlook 2007 New Features classes scheduled Jan. 15 and Feb. 3](#)

[Barn Dance Jan. 18](#)

unnaturally skinny, his shoulders too narrow. Strange depressions appeared on his chest, like divots carved in a golf course green, where stem cells had been wiped out and muscles and other tissues failed to grow, says one of his physicians, Dr. Nancy Price Mendenhall, medical director of the University of Florida Proton Therapy Institute.

[Read more](#)

--*Glenda Chui*

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

[Additional Activities](#)

[Submit an announcement](#)