

Calendar

[Have a safe day!](#)

Monday, Nov. 15
10:30 a.m.

[Research Techniques Seminar](#) -

Curia II

Speaker: Francesca Nessi-Tedaldi,
ETH-Zurich

Title: Results on Scintillating Crystals
Exposed to High Hadron Fluences
2:30 p.m.

[Particle Astrophysics Seminar](#) - One West

Speaker: Alyson Brooks, California
Institute of Technology

Title: The Role of Gas in the Evolution
of Disk Galaxies 3:30 p.m.

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

4 p.m.

All Experimenters' Meeting - Curia II
Special Topic: TeamCenter for
Labwide Engineering Document
Management

Tuesday, Nov. 16

3:30 p.m.

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

THERE WILL BE NO

ACCELERATOR PHYSICS AND
TECHNOLOGY SEMINAR TODAY

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

[Upcoming conferences](#)

Campaigns

[Take Five](#)

[Tune IT Up](#)

Weather



Mostly Sunny
53°/36°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

Secou Level 3

From *symmetry*

When muons collide

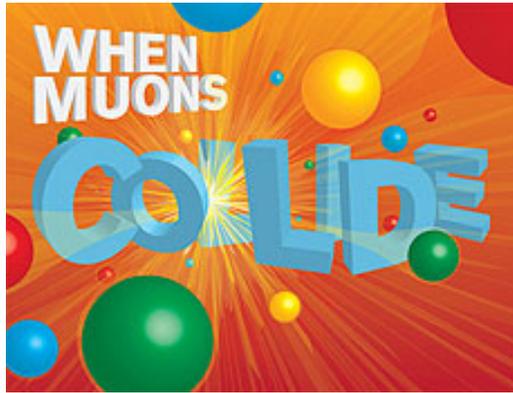


Illustration: Sandbox Studio

Editor's note: This article is featured in the newest
issue of *symmetry* magazine.

*A new type of particle collider known as a muon
collider, considered a wild idea a decade ago,
is winning over skeptics as scientists find
solutions to the machine's many technological
challenges.*

When Fermilab physicist Steve Geer agreed to perform a
calculation as part of a muon collider task force 10 years
ago, he imagined he would show that the collider's
technical challenges were too difficult to be solved and
move on to other matters. But as he delved further into the
problem, he realized that the obstacles he had envisioned
could in principle be overcome.

"I started as a skeptic," he says. "But the more I studied it,
I realized it might be a solvable problem."

A muon collider—a machine that currently exists only in
computer simulation—is a relative newcomer to the world
of particle accelerators. At the moment, the reception from
the particle physics community to this first-of-its-kind
particle smasher is "polite," says Fermilab physicist Alan
Bross.

Politeness will suffice for now: research and development
on the machine are gearing up thanks to funding from the
US Department of Energy. In August, a DOE review panel
supported the launch of the Muon Accelerator Program, or
MAP, an international initiative led by Fermilab. Scientists
hope the program will receive about \$15 million per year
over seven years to examine the collider's feasibility and
cost effectiveness.

[Read more](#)

ES&H Tip of the Week - Safety



Keep your Thanksgiving safe



Stay safe and healthy on Thanksgiving with these tips. Photo:
[stock.xchng Rehan](#)

With Thanksgiving Day fast approaching, many Fermilab
employees are thinking about cooking or eating turkey
with family and friends.

We want the holiday to be fun for all by making sure
employees remember that this delicious bird can ruin the
day if not prepared correctly. Salmonella bacteria from
turkey can cause food poisoning, which leads to a fever,
headache, vomiting, stomach pain and diarrhea.

Follow these tips to keep your Thanksgiving turkey safe
from bacteria.

- Choose a turkey that has intact packaging.
- Only defrost a frozen turkey in the refrigerator or a cold water bath.
- Allow one day of thawing for every 5 pounds of turkey. If using a cold water bath, change the water every 30 minutes.
- Clean hands, utensils, dishes and kitchen areas that come in contact with an uncooked turkey.
- Don't refreeze a thawed turkey.
- Separate the giblets and the neck from the turkey before cooking.
- Cook the turkey entirely in one session to 180 degrees Fahrenheit.
- Don't cook stuffing inside the turkey.
- Leftover turkey should be refrigerated within two hours of being served and will last three to four days.
- Frozen leftovers will last three to four months.
- When reheating leftovers, make sure that the turkey reaches 160 degrees Fahrenheit.

--John Dawson, ES&H

Wilson Hall Cafe

Monday, Nov. 15

- Breakfast: Croissant sandwich
- Italian minestrone soup
- Patty melt
- Baked chicken enchiladas
- Herb pot roast
- Chicken melt
- Assorted sliced pizza
- Szechuan green bean w/chicken

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

Wednesday, Nov. 17

Lunch

- Chicken breast stuffed w/ sundried tomatoes & goat cheese w/ shallot thyme sauce
- Orzo
- Sautéed spinach
- Italian cream cake

Thursday, Nov. 18

Dinner

- Mushroom duxelle
- Duck breast w/ blackberry sauce
- Brussels sprouts
- Panna cotta w/ cranberry wine sauce

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives[Fermilab Today](#)[Director's Corner](#)[Result of the Week](#)[Safety Tip of the Week](#)[CMS Result of the Month](#)[User University Profiles](#)[ILC NewsLine](#)**Info****Fermilab Today**

is online at:

www.fnal.gov/today/Send comments and suggestions to:
today@fnal.govVisit the Fermilab
[home page](#)[Unsubscribe](#) from *Fermilab Today***Photo of the Day****Burning trees in Fermilab's Big Woods**

A tree on fire during a controlled burn in Fermilab's Big Woods last week.

In the News**Chicago scientists, professors gather to discuss ethics in science**From *Medill Reports*, Nov. 11, 2010

At Frank Lloyd Wright's austere Unity Temple, 70 scientists, researchers and faculty sat attentively in rows of pews as a professor of theological ethics authoritatively asked, "How do we act with the power that we have?" At the out-of-the-ordinary event, a panel composed of scientists, a surgeon and a professor answered.

"Society expects to see results from science," Pam Sydelko said Wednesday evening at a panel discussion of ethics in science.

Sydelko, deputy associate laboratory director for energy engineering and systems analysis at Argonne National Laboratory, said that the general public does not understand the "pipeline" from basic science to applied science—the path from scientific research, that produces better understanding, to research that may lead to innovation and salable products. She said that in the past the funding process between basic and applied sciences "used to be so much more of a balance."

[Read more](#)**Accelerator Update**

Nov. 10-12

- Three stores provided ~42.5 hours of luminosity
- Pbar Accumulator power supply LCW leak repaired
- Electron Cooling problems fixed
- CDF needs to repair their detector on Saturday; the repair might take from 10 hours to two days

[Read the Current Accelerator Update](#)[Read the Early Bird Report](#)[View the Tevatron Luminosity Charts](#)**Announcements****Latest Announcements**[Voluntary separation offer information](#)[School's Day Out](#)[Help Fermilab track greenhouse gas emissions - take a survey](#)[Fermilab Winter Volleyball League](#)[Turkey date for Thanksgiving dinner](#)[Free CERN LHC book](#)[Tango at Fermilab through Dec. 1](#)[Nov. 22 deadline for The University of Chicago Tuition Remission Program](#)[Pedestrian Safety Awareness for Families](#)[Pedestrian Safety at Crosswalks](#)[Book Fair Nov. 17 & 18](#)[BULLYING: It's everyone's problem Nov. 18](#)[Toastmasters Nov. 18](#)[Accelerate to a Healthy Lifestyle Program through Dec. 31](#)[Submit an announcement](#)

