

Calendar

[Have a safe day!](#)

Tuesday, July 21
12 p.m.

[Summer Lecture Series](#) - Curia II

Speaker: Ralph Pasquinelli,
Fermilab
Title: Engineering at Fermilab
3:30 p.m.
DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY

Wednesday, July 22
3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
4 p.m.

[Fermilab Colloquium](#) - One West


Speaker: Craig Hogan,
Fermilab/University of Chicago
Title: Holographic Noise in
Michelson Interferometers: A
Direct Experimental Probe of
Unification at the Planck Scale

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

Campaigns

[Take Five](#)[Tune IT Up](#)

Weather

 Mostly sunny
81°/62°

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

Feature

New leadership for the LHC Physics Center

Beginning August 1, Ian Shipsey of Purdue University (left) will join Dan Green in directing the LHC Physics Center.

On August 1, the LHC Physics Center will welcome a new member to its leadership team. Ian Shipsey, a professor of physics at Purdue University, was appointed co-coordinator of the LPC in June 2009. He succeeds Chris Tully of Princeton, who now takes up the task of CMS Hadron Calorimeter Institution Board Chair.

Shipsey will join Fermilab's Dan Green in directing the Fermilab-based center, which works with the US CMS Remote Operations Center, accesses the US CMS Tier-1 Fermilab Computing Center and serves as a resource and physics analysis hub for the more than 800 U.S. physicists in the CMS collaboration.

Green said Shipsey will bring invaluable skills to the post.

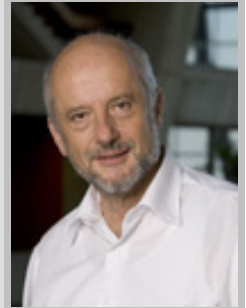
"Ian is very outgoing, and he's good at outreach," Green said. "He will be a great liaison to the university community and will provide valuable managerial experience to the LPC."

Shipsey has an extensive leadership background, serving from 2001 to 2004 as co-spokesperson for the CLEO experiment, a general-purpose particle detector at the Cornell Electron Storage Ring. He helped to design the silicon detector for that experiment, and in 2001, he began working on the silicon detector for CMS. In 2007, he became the chair of the LPC Advisory Board, where he focused on strengthening the involvement of graduate students and postdocs in the experiment.

Director's Corner

Neutrino central

Last week it was hard to get lunch. Not only were there more than 90 students in this year's neutrino school vying for a spot in the lunch line, but also folks from three collaborations: MINOS, NOvA and MINERvA, added to the lines. The latter were holding their collaboration meetings to take advantage of travel in conjunction with this week's Neutrino Factory (NuFact09) meeting here at Fermilab and at the Illinois Institute of Technology.



Pier Oddone

Fermilab schools are very popular. The Collider School that we have shared with CERN on an alternating schedule has been hugely successful. This year we also hosted the 2009 International Neutrino Summer School, which we will share in future years with other laboratories around the world. The 90-plus international students attended the school for two weeks along with their teachers, who are notable experimentalists and theorists in the neutrino trade.

The present and near-term neutrino program is in full swing and places demands on the running schedule. In setting the schedule we are trying to optimize the physics output through the choice of running configurations. The MiniBooNE detector run can be optimized separately since it is the only experiment in the Booster neutrino beam.

On the other hand, the optimization of MINERvA, MINOS and, in the long run, NOvA, are intertwined since they all run in the NuMI beamline. In particular, we have to be careful to optimize the running schedule for our neutrino programs prior to the long shutdown that is planned in 2012 (the installation of the accelerator upgrades to get to 700kW). The NuMI beam that both MINERvA and MINOS will use is quite flexible and can be run for either neutrinos or antineutrinos and for each particle in three energy configurations: low, medium and high. These configurations provide different neutrino-energy spectra and are achieved by the arrangement of target and focusing horns. The running configuration for

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Tuesday, July 21

- 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, July 22

Lunch

- Spinach & cheese stuffed portobello
- Mixed green salad
- Fresh fruit plate

Thursday, July 23

Dinner

- Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[User University Profiles](#)

[ILC NewsLine](#)

Info

“There are 3,000 people working on CMS worldwide,” Shipsey explained. “We want to bring them all to the table. There’s such complex food on this table that it will take all 3,000 people, fully engaged, to figure out how to eat it.”

For the next year, Shipsey will split his time between Purdue and Fermilab. He said he is thrilled to dive into the new work.

“The LHC is an unprecedented project,” Shipsey said. “There has never been a machine like this; there has never been a challenge this complex. It’s a bit like in the old days when people gathered to build a cathedral, to create something that transcends the people working on it. To be a part of this human story, as it’s being written, is incredibly exciting.”

-- *Rachel Carr*

Take Five

Take Five Q&A

Q: I’ve noticed that many injuries this year have involved cuts that may have been prevented with the use of gloves. What gloves are available? How do I get them? And which ones are appropriate for what tasks?

A: You can find gloves for a multitude of tasks in the Fermilab Stock Room.

For general material handling, cloth, leather or mechanics’ gloves work well.

Gloves containing steel, Kevlar or other cut-resistant fibers are a good choice for when you handle objects with sharp edges or cut materials with a sharp tool.

Be sure to choose gloves with a non-slip palm when handling slippery or wet materials.

Please consult with your Senior Safety Officer or Industrial Hygienist when choosing gloves for chemical handling. This is important, as a glove that provides protection against one type of chemical may not work well against another.

In the News

NOvA will be fixed to the medium-energy configuration when it starts running. It is different from the low-energy configuration we have run recently for MINOS.

So, it is important to get all the running necessary for the program in the low-energy neutrino configuration favored by the search for electron appearance in MINOS and by the MINERvA physics program before the NOvA run starts. MINOS also would like to have significant running in the antineutrino mode during this time, which is not favored by MINERvA. It is a bit of a puzzle to figure out how to fit optimally these multiple requirements in the next two years. We will be working closely with the collaborations to set the running schedule, mindful that upcoming results could well affect these initial decisions.

Announcements

[Toastmasters meeting July 23](#)

[Free hips, buns & thighs 30-minute workout July 23](#)

[Argentine Tango classes through July 22](#)

[Free 10-minute chair massage July 22 and 23](#)

[Intermediate/Advanced Python Programming July 22-24](#)

[Reminder: Changes to FTL system](#)

[Time to complete accomplishment reports](#)

[Bristol Renaissance Faire discount tickets](#)

[Six Flags Great America discount tickets](#)

[Pool memberships available in the Recreation Department](#)

[Raging Waves Waterpark online discount ticket program](#)

[Accelerated C++ Short Course begins August 6](#)

[Outlook 2007: New Features class August 6](#)

Fermilab Today
is online at:
www.fnal.gov/today/

Send comments and
suggestions to:
today@fnal.gov

Visit the Fermilab
[home page](#)

Landmarks: Powerful pictures

From *Physical Review Focus*, July 20, 2009

Focus Landmarks feature important papers from the archives of the Physical Review.

Every popular explanation of particle physics is liberally illustrated with cartoon-like pictures of straight and wiggly lines representing electrons, photons, and quarks, interacting with one another. These so-called Feynman diagrams were introduced by Richard Feynman in the Physical Review in 1949, and they quickly became an essential tool for particle physicists. Early on, Feynman struggled to explain the meaning of the diagrams to his fellow physicists. But using them, he came up with easy answers to difficult problems in quantum mechanics and ultimately won a share of the Nobel Prize.

[Read more](#)

[The University of Chicago Tuition Remission Program August 17 deadline](#)

[Process piping \(ASME B31.3\) class offered in October and November](#)

[Additional Activities](#)

[Submit an announcement](#)