

Calendar

[Have a safe day!](#)

Wednesday, June 3

8 a.m.

[Users' Annual Meeting](#)

[Registration](#) - Auditorium Lobby

9 a.m.

[Users' Annual Meeting](#) -

Auditorium

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO

FERMILAB COLLOQUIUM

TODAY

8 p.m.

[Fermilab Lecture Series](#) -

Auditorium

Title: Surfing on Plasma

Waves: Can We Hang 10 All

the Way to the Energy

Frontier?

Speaker: Dr. Thomas C.

Katsouleas, Professor and

Dean, Duke University, Pratt

School of Engineering

Tickets: \$5

Thursday, June 4

9 a.m.

[Users' Annual Meeting](#) -

Auditorium

THERE WILL BE NO

THEORETICAL PHYSICS

SEMINAR TODAY

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: Hyung Jin Kim,

Fermilab

Title: Wire Compensation and

Electron Lens Compensation

of Beam-Beam Interactions in

RHIC and the LHC

[Click here](#) for NALCAL,

a weekly calendar with links

to additional information.

Special Announcement

Users' Meeting begins today

The annual Fermilab Users' Meeting, begins at 9 a.m. today. This year's annual Users' Meeting will feature recent experiment results, the laboratory's future plans and physics updates from Washington, D.C. and around the world. The meeting, which will take place today and tomorrow, will provide Fermilab employees and users a chance to learn more about global physics projects and plans for experiments at Fermilab.



This year's highlights include lectures by: Department of Energy's Mike Procaro, National Science Foundation's Jim Reidy, HEPAP's Mel Shochet, CERN's Sergio Bertolucci, KEK's Koichiro Nishikawa, and Fermilab's Director Pier Oddone.

A Tesla coil demonstration and an Indian and Italian Festa will follow an 8 p.m. public lecture tonight in Ramsey Auditorium. The lecture explains other, more contemporary uses for plasma. Tom Katsouleas, professor and dean, at Duke University's Pratt School of Engineering, will discuss the future of plasma wakefield accelerators and their industrial applications.

Users' festivities will continue into Thursday with the Wonders of Physics demonstration during lunchtime in the cafeteria.

[Register](#) for the meeting.

From *symmetry* magazine

From the Finance Section

Recovery Act funding fuels Fermilab projects

Cindy Conger, chief financial officer and head of the Finance Section, wrote this week's column.

On May 15, Director Pier Oddone signed the final paperwork necessary for Fermilab to receive its first allocation of American Reinvestment and Recovery Act funds, and the Department of Energy put the funding in our contract the same day. We have received \$31.9 million, and we are moving ahead on the general infrastructure projects and the NOvA project procurements that are funded by this allocation.



Cindy Conger

The federal government demands strict accountability and transparency with respect to the Recovery Act funding. Information on this can be found on the Web at www.recovery.gov under the link "Accountability and Transparency."

Fermilab has responded in various ways to meet these requirements. In March, I formed the Recovery Act Task Force at Fermilab, headed by Denise Keiner of the Finance Section. The RA Task Force has identified the applicable reporting requirements as promulgated by the Office of Management and Budget as well as various DOE offices. It is making sure the laboratory has the right systems and processes in place to meet the RA requirements for prime recipients of RA funds. Task Force members include people from Accounting, BSS's Procurement group, CD's MIS group, the Office of Communication, and an RA project manager. The Task Force has been working hard to understand the ever-evolving details on how and when to report what.

Fermilab submitted its first weekly report to DOE's Office of Science only four working days after the laboratory received its first allocation of funding. Every week, we will be reporting obligations, jobs created and

Weather



Sunny
66°/40°

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

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Wednesday, June 3

- Cajun style lentil soup
- Cajun chicken ranch
- Tilapia w/jalapeno lime sauce
- Chicken parmesan
- Smoked turkey panini pesto mayo
- Assorted sliced pizza
- Chicken Alfredo fettucine

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, June 3

Lunch

- Spicy sausage & cheese calzone
- Cabbage & mixed green salad w/ tangy herb vinaigrette
- Chocolate chiffon cake

Thursday, June 4

Dinner

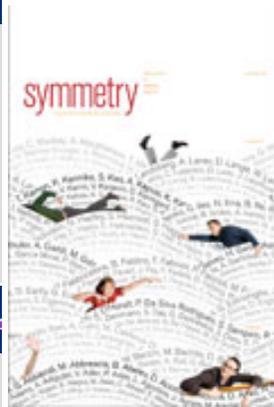
- Spinach phyllo roll-ups
- Grilled swordfish
- Ginger sesame jasmine rice
- Steamed asparagus
- Orange cream cheesecake

[Chez Leon menu](#)

Call x3524 to make your reservation.

Archives

Credit where credit is due



Editor's note: The newest issue of *symmetry* magazine is now [online](#).

In the swirling sea of thousands of people who contribute to a major particle physics experiment, how can a young physicist pop to the surface and get

noticed? An international committee offers ideas.

Physicists around the world know the name Timo Aaltonen.

The Finnish graduate student has yet to complete his PhD. But since April 2007, members of the Collider Detector at Fermilab, or CDF, collaboration have credited almost all of their publications to "T. Aaltonen et al."

Particle physicists know that Aaltonen did not, in fact, write all of those papers. CDF publications list as authors every one of the collaboration members—all 602 of them—in alphabetical order. Before Aaltonen came along, the first author was "A. Abulencia."

The author list does not distinguish between the senior scientists who come up with ideas, the hardware specialists who helped design and build the machine and the grad students who put in long hours analyzing results. Some of those on the list might not have even read the paper because they are busy working on some other part of the experiment.

[Read more](#)

-- *Kathryn Grim*

In the News

retained, progress toward milestones and other data on each funded RA project. In addition, we expect to begin quarterly reporting this summer to a new federal Web site, still under construction at [federalreporting.gov](#).

On May 6, Fermilab had its first visit from the DOE Inspector General's Office to begin its RA oversight work, a week and a half before we had received RA funds. We reviewed with them our preparations for spending and reporting on the RA funds, emphasizing the internal controls long in place for taking care of all the federal dollars entrusted to us by the American taxpayer. We anticipate many more visits by the IG as work on the RA projects progress.

We have created a special [Web page](#) on which we will post news and updates on Fermilab's Recovery Act projects. You can find the link to this page also on our home page at [www.fnal.gov](#).

Safety Update

ES&H weekly report, June 2

This week's safety report, compiled by the Fermilab ES&H section, lists three first-aid-only injuries. A fourth is under investigation. It has been 41 days since the last recordable injury. Find the full report [here](#).

[Safety report archive](#)

Announcements

Latest Announcements

[Scrapbooking Open House](#)

[NALWO "A Summer Evening Potluck Picnic"](#)

[Toastmasters meeting June 18](#)

[Environmental Safety and Health Fair - June 29](#)

[Intermittent hours for Users' Office June 3 - 4](#)

[Winners of the Asian/Pacific quiz contest](#)

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

[International Folk Dancing canceled June](#)

[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

Visit the Fermilab

[home page](#)

The unique universe

From *Physicsworld.com*, June 2, 2009

A tiny fraction of a second following the big bang, the universe allegedly experienced the most inflationary period it has ever known.

Three decades ago, talk of other universes was not seen by most physicists to be part of science. Most research in theoretical physics and cosmology concerned observable features in our universe and most papers and seminars referred to experimental results. However, since then there has been a gradual shift, during which it first became acceptable to work on theories that described not only our universe, but other possible universes, universes with less or more dimensions, or universes with different kinds of particles and forces. In the last few years, we have moved further away from theories of our one universe, as these other worlds went from being logically possible to hypothetically actual. It is now common to hear about the multiverse — a quantum cosmology that takes for granted that the visible universe that we see around us is just one of a vast or infinite number of universes.

The multiverse assumption often comes hand in hand with a metaphysical assumption regarding the nature of time. It has been argued by many experts in quantum cosmology that time is not a fundamental concept, but an approximate and emergent one. If this is correct, then we experience time in a timeless universe for reasons similar to why we, who live in a quantum universe, experience one that obeys classical physics: we are composed of very large numbers of fundamental particles and emergent statistical regularities determine much of what we experience.

[Read more](#)

[4, resumes at auditorium June 11](#)

[English Country Dancing, June 21](#)

[Costco Warehouse Club memberships](#)

[New URA e-mail address](#)

[Argentine Tango classes through June 24](#)

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

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

[Accelerated C++ Short Course: registration open - June 8](#)

[Python Training June 17-19](#)

[Susan Werner - Singer/Songwriter Performs on Arts Series](#)

[Microsoft Office 2007 help at the Library](#)

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

[Nanotechnology lecture: Crafting of Self-Assembling Materials for Medicine & Energy - Fermilab Arts Series](#)

[Science Adventures for children](#)

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

[SciTech summer camps](#)

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

[Additional Activities](#)

[Submit an announcement](#)