

## Calendar

### [Have a safe day!](#)

Monday, June 7

2:30 p.m.

[Particle Astrophysics Seminar](#) (NOTE

LOCATION) - Racetrack

Speaker: Myungkook James Jee,  
University of California, Davis WH-7XO

Title: Probes of Dark Matter  
Structures with Gravitational Lensing

3:30 p.m.

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

4 p.m.

All Experimenters' Meeting - Curia II

Special Topic: T-980 Crystal

Collimation: New Results, New  
Insights

Tuesday, June 8

12 p.m.

[Summer Lecture Series](#) - One West

Speaker: Amitoj Singh, Fermilab

Title: High Performance Computing at  
Fermilab

2:30 p.m.

[Theoretical Physics Seminar](#) (NOTE

DATE) - Curia II

Speaker: Satya Nandi, Oklahoma  
State University

Title: Fermion Mass Hierarchy and  
New Physics at the TeV Scale

3:30 p.m.

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

4 p.m.

[Accelerator Physics and Technology  
Seminar](#) - One West

Speaker: Laura Loiaco, University  
of Texas, Austin

Title: Flux from Neutrino Beams

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

[Upcoming conferences](#)

[Campaigns](#)

## Feature

### Funding situation, future plans given at Users' meeting



Steve Koonin, DOE under secretary for science, spoke about physics and energy at the annual Users' Meeting last week.

Hundreds of particle physicists and graduate students from around the globe converged at Fermilab last week for a chance to hear the latest news about their colleagues' experiments, present their own results and learn about the laboratory's future.

Just as the Users' Meeting gives attendees a peek into the current, planned and proposed programs at Fermilab, it also provides a broader picture of the field. Members of the Department of Energy and Congress, as well as Fermilab Director Pier Oddone laid out current funding and political situations and future plans for meeting attendees.

Oddone highlighted some of the laboratory's recent successes, lauded recent results and laid out a plan for all [three frontiers](#), particularly focusing on up-and-coming experiments at the Intensity Frontier, such as NOvA.

Some of the laboratory's future plans at the Energy Frontier remain uncertain, Oddone explained, but only because Fermilab will choose its experiments in that area once results from the LHC indicate what areas of study need more research.

Both Dennis Kovar, DOE associate director of science for High Energy Physics, and Steve Koonin, DOE under secretary for science, explained that the government is taking cues from advisory groups and the [P5 report](#) (pdf),

## ES&H Tips of the Week - Computer Security



### The speed of fright



Phishing is frightening, like this image of the Computing Division at Halloween. Don't put yourself in a scary situation. Report phishing attacks to the Service Desk.

When you accidentally reveal your password in a phishing attack the time it takes for the mistake to travel from the tips of your fingers and register in your brain is called the speed of fright.

But too often people push down that fear and choose to believe the accident didn't happen rather than report it to the Service Desk. Those crucial hours lost between when the keystroke happens and when the Service Desk learns of the breach can cost you dearly.

If that password was for one of your financial accounts, the attacker might transfer money out of your account. If that password was for your e-mail account, the attacker could use your account to send spam or invite 100 people to your house for a party on Saturday without telling you.

By looking at past phishing attacks we can see how quickly a stolen password can get misused.

In one of those cases, within three hours an attacker tried to log in to an account with a phished password. Fortunately, the user had realized the mistake in giving up a password and immediately contacted the Service Desk. The password was reset, thwarting the later attempt to misuse the e-mail account.

In a different case, a user gave up an e-mail password without realizing it. The account was sending out spam within nine hours. We were notified about the spam by an outside organization, which triggered the Incident Response Team to investigate. Many hours of work were invested to understand the full extent of the compromise.

The lesson is to NEVER reveal any of your passwords to anyone. But if you do so inadvertently, notify the Service Desk immediately and tell them what happened so that they can help you reset your password and notify

[Take Five](#)[Tune IT Up](#)[H1N1 Flu](#)

For information about H1N1, visit Fermilab's flu information [site](#).

[Weather](#)

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

[Current Security Status](#)[Secou Level 3](#)[Wilson Hall Cafe](#)

Monday, June 7

- Breakfast: Croissant sandwich
- Spicy beef & rice soup
- Corned beef reuben
- Roast pork loin
- Lasagna
- Chicken Oriental wrap pineapple
- Assorted sliced pizza
- Pacific Rim rice bowl

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

Wednesday, June 9

- Lunch
- Chipotle roasted salmon
  - Pineapple cilantro rice
  - Sautéed zucchini
  - Coconut flan

Thursday, June 10

- Dinner
- Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

[Archives](#)

a strategic 10-year plan put together by the Particle Physics Project Prioritization Panel.

"We've got to put together a plan that will deliver outstanding science and make investments in next-generation technology and accelerators," Kovar said. "We need to invest to advance science and technology. This is important to the nation. Our field drives innovation."

[Read more](#)

-- *Rhianna Wisniewski*

[Photo of the Day](#)[International Workshop on Heavy Quarkonia](#)

Participants of the 7th International Workshop on Heavy Quarkonia, which was held at Fermilab May 18-21. More than 120 experimentalists and theorists from around the world gathered to present and discuss the latest progress in the understanding of the physics of heavy quarkonia (bound states of heavy quark-antiquark pairs). Many new and exciting results were presented on heavy-quarkonium spectroscopy, decay, and production mechanisms and properties in nuclear media, within the Standard Model and beyond. [More information.](#)

[In the News](#)[Earth's random walk could jolt particle accelerators](#)

From *Physicsworld.com*, June 4, 2010

A study in the US has revealed that, apart from motion due to tides, seismic activity and other geophysical phenomena, the ground also moves entirely at random, at least over scales ranging from metres to kilometres. Vladimir Shiltsev came to this conclusion after using data from several particle accelerator facilities, where accurate information about the facility's precise position is essential. The result confirms a simple equation he put forward to describe the motion and may also prove useful in the design of future particle accelerators.

Much of the early work on random ground motion was done by Russian researchers who had worked on the design of VLEPP, a planned electron-proton collider in

computer security.

-- *Mark Leininger, computer security*

[Safety Tip of the Week Archive](#)[Special Announcement](#)[Service Desk online request system down 6-8 a.m. June 8](#)

The [Service Desk's](#) ticket-submission and request system, the Remedy Requester Console, will be inaccessible between 6-8 a.m. on Tuesday, June 8.

Individuals who log onto the Fermilab network or have Fermilab computers use the online Remedy Requester Console to open Service Desk tickets. The console will be down to apply operating system and database patches and to complete some network upgrades.

Please contact the Service Desk at x2345 during the downtime if you have any questions or concerns.

[Accelerator Update](#)

June 2-4

- Three stores provided ~35 hours of luminosity
- Store 7867 aborted due to separator spark
- Beam halted and some accelerators turned off for load-shed test

[Read the Current Accelerator Update](#)[Read the Early Bird Report](#)[View the Tevatron Luminosity Charts](#)[Announcements](#)[Latest Announcements](#)

[Pool membership drive at pool - June 7](#)

[Fermilab prairie quadrat study](#)

[Deadline for The University of Chicago Tuition Remission Program - June 25](#)

[Adult water aerobics - Mondays](#)[Adult swim lessons - Mondays](#)

[Learn about green science in Nature's Power Lab, a Science Adventure](#)

[International Folk Dancing cancelled June 3, resumes in Auditorium June](#)

[Fermilab Today](#)[Result of the Week](#)[Safety Tip of the Week](#)[CMS Result of the Month](#)[User University Profiles](#)[ILC NewsLine](#)[Info](#)[Fermilab Today](#)

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Protvino, about 100 km south of Moscow. VLEPP was to have operated in the trillion electron volt range, comparable to the energy of CERN's Large Hadron Collider, which is today the world's largest and most powerful accelerator. Although VLEPP was scrapped with the collapse of the Soviet Union, Russian physicists continued to publish papers on random ground motion.

[Back-of-the-envelope calculation](#)

Shiltsev, now working at Fermilab, was just starting his career when some of these papers appeared, and has spent the past two decades trying to expand on some of the preliminary findings. This led him to create a simple, back-of-the-envelope calculation to estimate how the distance between two points will change over time. It involves multiplying the distance between two points along an accelerator by both the elapsed time and a coefficient describing the amount of random motion in a give locale, generally around 100 nm in any direction each minute. The square root of that number gives the rate of movement.

[Read more](#)

[10](#)

[Blood drive June 21 and 22](#)

[Pool opens June 8](#)

[Walk to Health class begins June 7](#)

[Butts & Guts class begins June 7](#)

[Earned Value Management \(EVMS\) - June 8 and 9](#)

[Lecture Series: Intermediate/Advanced Topics in C++](#)

[Diversity Office volunteer opportunity through June 8](#)

[Ask HR: 15th floor visits CD - FCC on Wednesday, June 2](#)

[10,000 Steps-a-Day walking program](#)

[Sand Volleyball held on Tuesdays begins May 25](#)

[Video series on scientific case for God's existence starts June 15](#)

[Fermilab Arts Series presents Corky Siegel and Chamber Blues - June 26](#)

[Sign up for summer Science Adventures classes](#)

[Introduction to LabVIEW course - July 13](#)

[Embedded Design with LabVIEW FPGA and CompactRIO seminar - July 13](#)

[Interaction Management Coaching Forum - July 27](#)

[SciTech summer camps start June 14](#)

[Submit an announcement](#)