

Calendar

[Have a safe day!](#)

Tuesday, Sept. 14
10:30 a.m.

[Research Techniques Seminar](#)

- One West

Speaker: Gustavo Cancelo,
Fermilab

Title: Sub Electron Noise
Readout for Scientific CCDs

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY

Wednesday, Sept. 15
3:30 p.m.

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

4 p.m.

[Fermilab Colloquium](#) - One

West

Speaker: Josh Frieman,
Fermilab/University of Chicago

Title: Fermilab's Dark Energy
Strategy: Past, Present, and
Future

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

[Upcoming conferences](#)

Campaigns

[Take Five](#)

[Tune IT Up](#)

Weather

Feature

National funding agencies join for deep underground lab

The proposed Deep Underground Science and Engineering Laboratory project would unite multiple scientific fields in one underground laboratory. But it already has begun to bring people together, including officials from the Department of Energy and the National Science Foundation.

Representatives from DOE and NSF plan by the end of the year to sign a memorandum of understanding formalizing their roles as stewards or participants in various projects in DUSEL's suite of experiments.

The agencies will coordinate and oversee separate lists of experiments. But their roles are interdependent, said Jon Kotcher of DOE's Office of High Energy Physics at the DUSEL users' meeting at Fermilab on Sept. 3.

"We actually participate in one another's reviews by sending observers, for example," Kotcher said. "DOE participates in NSF reviews and vice versa in order to keep abreast of the developments on both sides of the ledger. This helps to bridge that gap, which is actually quite useful."

The project has a solid base of support in Washington and the high-energy physics community, Kotcher said. One of the priorities of DOE's Office of High Energy Physics is to implement a world-class Intensity Frontier program centered on Fermilab. DUSEL also enables pioneering experiments at the Cosmic Frontier and in biosciences, geosciences and engineering.

Members of the DUSEL users' organization impressed Joseph Dehmer of NSF with their enthusiasm for playing a role in the program.

"The activity in this stage exhibits a youthful vigor," he said at the meeting. "I encourage you to enjoy it; it's fairly rare."

DOE's deputy secretary approved the mission need for an experiment using a beam of neutrinos generated at Fermilab, a near detector at Fermilab and a far detector located underground, preferably at the DUSEL site in

Director's Corner

This week's Director's Corner will run on Friday, Sept. 17.

Feature

Unity Coat to host disability awareness events in October



Unity Coat, Fermilab's Disability Awareness Group, plans to host a series of awareness events in October. All events will take place in One West from noon to 1 p.m. unless otherwise noted.

- Oct. 4: "ADA and You," Attorney Alan Goldstein of Equip for Equality will present information and updates on the Americans with Disabilities Act.
- Oct. 5: "Ending the Silence," Patricia Doyle from the National Alliance on Mental Illness (NAMI) in collaboration with Fermilab Wellness Committee will discuss mental health in children (part 1 of 2). One North conference room.
- Oct. 6: "Tickle Me Please," Autism Awareness, Richard Fink and Deborah Ditkowsky of the North Suburban Chapter-Autism Society will hold a discussion for the parents of autistic children.
- Oct. 11: "Fibromyalgia Awareness," presented by Kathy Heikkinen a 15-year fibromyalgia patient and public school teacher, and Jayne Holley, Rehabilitation Team Leader at Delnor Community Hospital.
- Oct. 12: "In Our Own Voice," Mary Dalton and John Zurn, NAMI (in collaboration with Fermilab Wellness Committee) will discuss mental health in children (part 2 of 2).
- Oct. 13: "Down Syndrome Awareness,"



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

[Current Security Status](#)

[Secon Level 3](#)

[Wilson Hall Cafe](#)

Tuesday, Sept. 14
- Breakfast: Bagel sandwich
- Tomato bisque soup
- Lemon pepper club
- Beef fajitas
- Korean garlic chicken
- Grilled chicken Caesar salad wrap
- Assorted sliced pizza
- Rio Grande taco salad

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Wednesday, Sept. 15
Lunch
- Tri-colored tortellini w/
gorgonzola cream
- Sautéed spinach
- Raspberry mousse w/cookies

Thursday, Sept. 16
Dinner
- Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

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Lead, S.D. NSF will contribute to the Long Baseline Neutrino Experiment at DUSEL, including possible contributions to the excavations, infrastructure and detector components.

-- Kathryn Grim

[Photo of the Day](#)

Planning for the future of Project X



Last week, about 120 physicists participated in the [Project X](#) collaboration meeting at Fermilab. On Sept. 8 and 9, attendees [discussed](#) current Project X configuration, general development strategy for Project X and the R&D plan for FY2011-12. Project X is a proposed high-intensity proton accelerator complex that could provide beam for a variety of physics projects. Fermilab hopes Project X will achieve CD-0, the first step in DOE's project approval process, in 2011.

[In the News](#)

LHC lawsuit case dismissed by US court

From [PhysOrg.com](#), Sept. 13, 2010

A Hawaiian man's lawsuit to try to prevent operations of the Large Hadron Collider (LHC) has been dismissed due to a failure to show a "credible threat of harm," according to the judge. And, as ruled in 2008, the judge again concluded that the US government is not the correct party to bring the suit against since the US doesn't control LHC operations.

Walter Wagner, a retired nuclear safety officer, along with Spanish journalist Luis Sancho, filed the lawsuit in March 2008 before the LHC was turned on. The LHC, located on the border between France and Switzerland, was built by the European Organization for Nuclear Research (CERN). As a collaboration among thousands of scientists from more than 100 countries, the LHC is the largest and most powerful particle accelerator in the world. After an electrical fault initially shut down the collider when it was first turned on in

presented by Diane Goodfellow, National Association for Down Syndrome (NADS).

- Oct. 20: The first meeting of the Caregivers Resource Group, will take place in the WH15 Aquarium.
- Oct. 20: Launch of Needles and Threads Cancer Awareness Program, where volunteers will knit and sew items for oncology resource centers.

For more information on any of these programs, please contact Kathy Johnson at kjohnson@fnal.gov.

[Accelerator Update](#)

Sept. 10-13

- Five stores provided ~63.25 hours of luminosity
- Store 8079 aborted near to its termination due to a vacuum control card problem
- 400 MeV chopper repaired

*The integrated luminosity for the period from 9/6/10 to 9/13/10 was 48.41 inverse picobarns. NuMI reported receiving 5.62E¹⁸ protons on target during this same period.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

[Announcements](#)

Latest Announcements

[Lunch and Learn about proton beam therapy for cancer](#)

[Fox Valley Robotics info meetings - Sept. 17 & 18](#)

[Silk and Thistle Scottish dancing resumes at the Barn Tuesdays](#)

[Toastmasters - Sept. 16](#)

[Fermilab International Folk Dancing at the barn on Thursdays](#)

[Reduced parking behind Ramsey Auditorium - Sept. 7-17](#)

[Argentine Tango, Wednesdays through Sept. 29](#)

[Junior Prairie Rangers - Saturday, Sept. 18](#)

Info

September 2008, it has been operating successfully since November 2009.

Fermilab Today

is online at:

www.fnal.gov/today/

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today@fnal.gov

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Today

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[Chicago Blackhawks pre-season discount tickets](#)

[Workshop on Accelerator-Driven Sub-Critical Systems & Thorium Utilization](#)

[Regal Movie Theater discount tickets available](#)

[Gizmo Guys - Fermilab Arts Series - Sept. 25](#)

[Family Science Time - Saturday, Sept. 25](#)

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