

## Calendar

**Tuesday, Nov. 27**

**8:30 a.m. – 5:30 p.m.**

[CMS SLHC Tracker Upgrade](#)

[Workshop](#) - One West

Also available on (video conference) EVO under CMS community

**3:30 p.m.**

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

**7:30 p.m.**

The Cultural Association of Italians at Fermilab presents:  
Andrea Silvestrelli – Basso with Peter Kalman – Baritone  
Performing Music of Verdi, Donizetti and Others - Auditorium  
Tickets: \$15

**Wednesday, Nov. 28**

THERE WILL BE NO FERMILAB ILC R&D MEETING THIS WEEK

**3:30 p.m.**

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

**4 p.m.**

[Fermilab Colloquium](#) - One

West

Speaker: P. Kwiat; University of Illinois, Urbana-Champaign  
Title: The Quantum Information Revolution: 101 Uses for Schroedinger's Cat

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

## Weather



**Breezy 38°/26°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

## In Memoriam

### In Memoriam: Doug Moehs



[AD physicist Doug Moehs repairs the Linac Drift-Tube.](#)

Fermilab physicist Doug Moehs died Nov. 15 at his home in Naperville after a courageous battle with cancer. He is survived by his wife, Laura, and their 3-year-old son, Erik.

Moehs began his career at Argonne National Laboratory where he helped to install and improve a new Electron Cyclotron Resonance Ion Source.

He joined Fermilab's AD Linac Group in 2001. His work initially focused on the Negative Hydrogen Ion Source and the Preaccelerator, for which he eventually became responsible. Later he served as accelerator run coordinator, and received a Fermilab Merit Award.

Former Linac Group Leader Chuck Schmidt noted that Doug had a great understanding and was passionate about his work and life. "He is a person who will be missed for a long time," said Schmidt.

Moehs' enthusiasm for Fermilab went beyond his formal work. He was a member of Fermilab's ultimate Frisbee team and chess team and grew vegetables and flowers in the laboratory's garden plot.

Trevor Butler, a Linac electrical engineer, grew to be close friends with Moehs. "We got to know each other over many cups of coffee in the cafeteria," said Butler. "Doug and I would

## Director's Corner

### Workshops



Fermilab Director Pier Oddone gives a welcoming address at the Project X Workshop on Physics.

Before Thanksgiving two important workshops took place at Fermilab. The first, with more than 170 participants from across a broad set of institutions, explored the accelerator physics aspects of Project X. The specific design of Project X aligns the development of the linac, the most expensive component of the project, entirely along the ILC design. This constraint then dictates how the rest of the Fermilab complex will be upgraded and used to produce extremely intense beams of neutrinos, muons and hadrons (quarks). The project poses a set of challenging accelerator issues. Many partner institutions are interested in helping to address these issues. The technical resources are potentially available to develop Project X, as the programs at all major colliders in the US will come to an end by the end of the decade. In addition there are many interested accelerator physicists who are not presently engaged in high-energy physics. What attracts our colleagues are not only the technical issues of Project X but the fact that it will exercise the ILC technology in case we have to wait for ILC construction until the middle of next decade.

The second workshop, with well over 200 national and international participants, explored the potential science that the unprecedented intensities of Project X would make possible. It was the first of two workshops planned to articulate all the physics opportunities. The discovery opportunities of Project X are complementary to the LHC. The interplay of the LHC and the intensity frontier physics of Project X could lead to some of the

[Secon Level 3](#)**Wilson Hall Cafe****Tuesday, Nov. 28**

- Chicken & rice soup
- Low-carb burger
- Baked meatloaf w/gravy
- Smart cuisine parmesan baked fish
- Peppered beef
- Assorted slice pizza
- Chipotle chili & queso nachos supreme

\*Carb Restricted Alternative

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, Nov. 28****Lunch**

- Rouladen
- Egg noodles
- Carrots w/dill
- Linzentorte

**Thursday, Nov. 29****Dinner**

Closed

[Chez Leon Menu](#)

Call x4598 to make your reservation.

**Archives****Fermilab Today****Result of the Week****Safety Tip of the Week****ILC NewsLine****Info**

Fermilab Today

is online at:

[www.fnal.gov/today/](http://www.fnal.gov/today/)

Send comments and suggestions to:

[today@fnal.gov](mailto:today@fnal.gov)

talk, not only about Linac issues, but also about our lives after work. He was easy to get along with and was always up for a good laugh, qualities that made him a great co-worker and a great friend."

Doug thoroughly enjoyed mentoring students each summer. After hearing of his death, several former students e-mailed to express their sadness and condolences. An e-mail from a student he mentored in 2006, Timofey Zolkin, from Novosibirsk, Russia, read, "I am pleased that fate gave me a chance to meet Doug. He was a good man," said Zolkin.

-- *Rhianna Wisniewski*

**Feature****Fermilab hosts opera stars Silvestrelli, Kalman tonight**

Two internationally renowned opera stars, Andrea Silvestrelli, Basso; and Peter Kalman, Baritone; will perform a concert Tuesday night at 7:30 p. m. in Ramsey Auditorium.

The event, which is presented by The Cultural Association of Italians at Fermilab and the Istituto Italiano di Cultura di Chicago, will include performances of music from Gaetano Donizetti's "Don Pasquale" and Giuseppe Verdi's "Rigoletto" and "Falstaff."

Andrea Silvestrelli, an internationally renowned basso, made his debut in 1989 as Jesi (Ancona) in "Macbeth." He then appeared in "Don Giovanni" at the Teatro Comunale, Bologna, and the Teatro dell'Opera, Rome. He has since sung at the most important opera houses in the world, including La Scala, Milan; the Bastille, Paris; Covent Garden, London; the Concertgebouw, Amsterdam; Sydney Opera House, and the Lyric Opera of Chicago.

Peter Kalman, a Hungarian native, got his start singing the role of Papageno in "The Magic Flute" at the Hungarian State Opera. He then sang the role of Count Almaviva in "The Marriage of Figaro." He has since performed



International opera stars Andrea Silvestrelli, Basso; and Peter Kalman, Baritone; will sing tonight in Ramsey Auditorium.

most fundamental connections among now seemingly unconnected phenomena. If, for instance, supersymmetry is discovered at the LHC, one of the most compelling challenges will be to connect supersymmetry to neutrino physics via the study of charged lepton flavor violation - something that can only be studied at the intensity frontier. Similarly, intensity frontier experiments in kaon decays may be essential to understand if the new phenomena at the LHC are minimally flavor-violating as all present data seem to indicate, a surprising fact to most theorists. Beyond articulating the case for the exploration of neutrinos, muons and quarks at the intensity frontier, the workshops will explore the relationship of the Project X program to other programs at the intensity frontier such as at JPARC in Japan and PSI in Switzerland. The results of these workshops will help the advisory committees like HEPAP and P5 to make recommendations for the evolution of the national program under different scenarios.

**Accelerator Update****Nov. 21 - 26**

- Six stores provided 62 hours and 59 minutes of luminosity
- NuMI repairs water skid and resumes taking beam
- CDF repairs COT
- TeV conducts maintenance during CDF access

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements****NALWO holiday Chicago trip Dec. 1**

Join NALWO on Saturday, Dec. 1, on a trip to Chicago to see colorful decorations and enjoy shopping, music and entertainment at the German/American holiday festival, the "[Christkindmarket](#)" at Daley Plaza. Shop at the State Street department stores, see Macy's animated windows or try your skills at the [Ice Skating Rink](#) at Millennium Park. The bus will leave from the Lederman Science Center at 10 a.m. and will return by 4:30 p.m. There is a \$5 charge for adults and \$2 for kids age 3 to 14. To register or for further information, please contact [Selitha Raja](#) at (630) 305-7769.

**Benefit enrollment**

Wednesday, Nov. 28, is the final day to review and change your benefits for the 2008 plan

in major opera houses across the globe, was a member of the Zurich Opera Company and has appeared as a guest with New Israeli Opera in Tel Aviv.

The Cultural Association of Italians at Fermilab was created to culturally involve the Italian community at Fermilab, as well as to promote Italian cultural, artistic, and musical activities within the local U.S. community. Tickets are \$15 or free with purchase of Gallery Chamber Series Subscription. Tickets and subscriptions can be purchased at the Box Office on the first floor of Wilson Hall, behind the Users' Office or by calling (630) 840-ARTS.

[Read the press release](#)

#### In the News

### 'Internet2' a far faster Web

From *The Kane County Chronicle*,  
Nov. 22, 2007

Very soon, the people who bring the Internet to the world could kick it up more than a notch.

And last week, a group of supercomputing industry specialists paired with scientists at Fermilab showed just how fast the Net could get, offering a glimpse of a future filled with fast HDTV downloads, real-time telemedicine and live videoconferencing.

"The research and education community tends to be a little ahead of the commercial world [on technology,]" said Philip DeMar, group leader for wide area networking at the Fermi National Accelerator Laboratory, said. "But this technology could clearly be usable in a number of applications."

[Read More](#)

year. You will find enrollment materials on the [Benefits Office Web site](#). Representatives from Blue Cross and CIGNA will be available on Wednesday, Nov. 14, from 8 a.m. to noon and Tuesday, Nov. 20, from 1 to 5 p.m. They will be located in the Aquarium Conference Room on the 15th floor of Wilson Hall.

#### Seasonal holiday student requests

Managers who would like to bring back their summer students for holiday seasonal employment can access information and a request form [here](#). Only students who were summer 2007 employees are eligible. Students who were on-call must return as on-call workers.

#### Education Office holiday sale Dec. 4-6

The Education Office will host its annual holiday sale Dec. 4-6, from 11 a.m. to 1:30 p.m., outside One West in Wilson Hall.

#### Fermilab Basketball League

Basketball League play begins on Nov. 29 in the gymnasium at the Recreation Facility. Games are played Thursday evenings beginning at 5 p.m. Contact Ryan Schultz at X6571 or [e-mail](#) if you are interested in participating. Current Recreation Facility membership required.

#### Access 2003 course Jan. 15

Learn how to follow the steps required to properly design a simple database. Create a new database with related tables and much more. [Learn more and enroll](#)

#### [Additional Activities](#)