

Calendar

Friday, January 14

2:00 p.m. Particle Astrophysics Seminar - Curia II

Speaker: R. Wechsler, University of Chicago

Title: Using Galaxy Clustering to Connect Mass and Light

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: D. Dujmic, Stanford Linear Accelerator Center

Title: $\sin 2\beta$ from Charmonium and Penguin Modes at BaBar

8:00 p.m. Fermilab International Film

Society - Auditorium

Tickets: Adults \$4

Title: Los Amantes del Circulo Polar (The Lovers of the Arctic Circle)

Monday, January 17

Martin Luther King Jr. Holiday

Tuesday, January 18

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wilson Hall Cafe

In Memoriam: Alexander Toukhtarov



Alexander Toukhtarov (Click on image for larger version.)

Alexander Toukhtarov, a mechanical engineer in the Particle Physics Division, died on December 31 at 11:50 p.m. surrounded by his family in his hometown in Volgograd, Russia. He was 41.

A Fermilab employee of five years, Toukhtarov initially joined the Particle Physics Division as a visiting engineer from the Institute of High Energy Physics in Protvino, Russia. He spent the last few years developing design concepts for the BTeV experiment at Fermilab. "Alex worked on the pixel detector, which could be called the crown jewel of detectors at Fermilab," said PPD's Joe Howell, who worked closely with Toukhtarov on BTeV. "We had a DOE baseline review in December, and it went very well. I think that the work Alex did for BTeV had a big impact on the success of the review."

Born and raised in Volgograd, Toukhtarov excelled as one of the top engineering students at Volgograd Technical University. After earning a M.S in Mechanical Engineering, Toukhtarov

Herman White and Paul Grannis Present Next Two Public Lectures at Fermilab

In the next month, the Fermilab Public Lecture Series will present two lectures that focus on some of the work done at Fermilab. On January 21, Herman White, of Fermilab's Accelerator Division, will give the first lecture, "How Particle Physics Detectors Work and What They Really See." On February 4, DZero's Paul Grannis of SUNY Stony Brook will present the second lecture, "Experiments at Fermilab: Understanding Matter at the Smallest Scale." Tickets are still available for both of these lectures.

Herman White has been a member of the Fermilab scientific staff for the past 30 years and has collaborated on nearly a dozen

particle physics experiments. Among other honors, White was selected as the third Illinois Industrial Research Corridor Fellow for North Central College in



Herman White

1994 and serves as Adjunct Professor of Physics at North Central College in Naperville, IL. In his lecture, White will concentrate on how particle detectors work, the physics principles governing their operation, and demonstrate some live detector signals from specialized devices and experiments.

Paul Grannis is a Distinguished Professor

Friday, January 14

Beef Pepper Pot Soup

Buffalo Chicken Wings \$4.75

Cajun Breaded Catfish \$3.75

Spaghetti with Meat Sauce \$3.75

Honey Mustard Ham & Swiss Panini

\$4.75

Double Stuffed Pizza \$3.25

Carved Turkey \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) will be closed through January and February

Weather



Partly Cloudy **12°-3°**

[Extended Forecast](#)

[Weather at Fermilab](#)

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started designing detectors at IHEP. "It was very attractive to have a job at IHEP. Only the best people were selected," said Victor Yarba, of Fermilab's Technical Division, who was the Deputy Director of IHEP when Toukhtarov first joined the institute.

When PPD had an opening for a mechanical engineer five years ago, Yarba recommended that Toukhtarov be considered for the position. "Alex was involved with several big projects in Russia," Yarba said. "After working at IHEP for eight years, he spent five years at CERN, working on a new detector, and then he came to Fermilab. He was clearly an outstanding engineer, so after two years he transferred from a visiting engineer and became a fulltime employee at Fermilab."

A dedicated worker, Toukhtarov had many friends at Fermilab. "Alex always had a smile on his face," said PPD's Dave Pushka. "He was an enjoyable person to work with and always enjoyed a good challenge. As his supervisor, it was always a delight to do Alex's annual reviews. It was always easy to find many good things that he had accomplished during the year."

In his spare time, Toukhtarov enjoyed playing soccer on one of Fermilab's teams. He also liked fishing, rafting and camping. "He was very active and played soccer up to the day before he found out he was sick," Yarba said. "Alex was well respected by the Russian community at Fermilab. He was a good friend and always willing to help."

In the News

and Chair of the Department of Physics & Astronomy at the State University of New York at Stony Brook. In 1983, he began the collaboration that built the DZero experiment



Paul Grannis

and was spokesman until 1996. In 2001, he won the Society's Panofsky Prize for his DZero work. On February 4, Grannis will provide an inside perspective on how

physicists formulate the questions to be addressed by experiments, how they design the experiments to best address these goals, what they have learned, how they organize the large collaborations that are needed to conduct the experiments and the benefit that society can derive from the new knowledge obtained from the research.

[more information](#)

Announcements

Weekly Time Sheets Due Today

With the upcoming Martin Luther King Holiday, Weekly Time Sheets are due in Payroll by 10:00 a.m on Friday, January 14, 2005

Watch Out for that Bump!

FESS is lowering the water level in the east Reflection Pond in front of Wilson Hall in order to replace a high voltage cable in the duct bank near the pond. Please be mindful of the signs and slow down when driving over the hose on Road A in front of Wilson Hall. This work will continue through the end of next week. If you have questions, please contact Joseph Pathiyil at x3363.

From *Michigan Daily*, January 11, 2005

Marshall Scholar winner tackles dark matter mystery

By Brandon McNaughton

Have you ever sat up all night contemplating the mysteries of the universe or the perplexities of nature? LSA senior Jacob Bourjaily frequently does.

In fact, Bourjaily stays up all night, every other night — and these all-nighters paid off when late last year he was announced as a recipient of the 2005 Marshall Scholarship, a prestigious annual award given to forty American college graduates for their high academic achievements.

[read more](#)

Fire Sprinkler System Updates on Martin Luther King Jr. Holiday

FESS will update the fire sprinkler system in Wilson Hall on Martin Luther King Jr. Day on Monday, January 17. In order to accomplish this task, the fire sprinklers will be disabled for the duration of the day. Even though this is a holiday, and the lab will officially be closed, there are some employees who will come to work. For those employees, FESS requests that you sign in on a log sheet at the Guard's desk in the atrium of Wilson Hall. When you leave, please sign out at the Guard's desk. The sprinkler system will be re-enabled at the end of the day on January 17. ES&H and FESS appreciate your cooperation.

New Classifieds on Fermilab Today

New [classified ads](#) have been posted on *Fermilab Today*. A permanent link to the classifieds is located in the bottom left corner of *Fermilab Today*.

Fermilab Folk Club Barn Dance

There will be a Fermilab Folk Club Barn Dance on Sunday, Jan. 16 at 2 p.m. with music by Third Wheel and calling by Lynn Garren.

[more information](#)

[Upcoming Activities](#)