

## Calendar

Tuesday, July 13

Noon Summer Lecture Series - 1 West

Speaker: S. Parke, Fermilab

Title: Neutrinos: Ghosts of the Universe

3:30 p.m. DIRECTOR'S COFFEE BREAK

- 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR

PHYSICS AND TECHNOLOGY

SEMINAR TODAY

Wednesday, July 14

3:30 p.m. DIRECTOR'S COFFEE BREAK

- 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West

Speaker: R. Taleyarkhan, Purdue

University

Title: Observation of Nuclear Fusion in

Sonoluminescence

## Wilson Hall Cafe

Tuesday, July 13

Chicken & Rice Soup

Mushroom Swiss Burger \$4.75

Baked Meatloaf with a Roasted Tomato

Demi-Glace \$3.50

Parmesan Baked Fish \$3.75

Southwestern Turkey Wrap \$4.75

Italian Baked Grinder w/ Peppers &

Onions \$2.75

South of the Border Burritos with Chips &

Queso

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

## Weather

## Meet Randy Sales -- Wilson Hall Mechanical Guru

Have you ever been the victim of a badly positioned AC vent that blew cold air down the nape of your neck for eight hours? Or has the heater beside your desk ever turned your morning at work into an unwanted sauna

session? If so, you probably know Randy Sales, the man responsible for fixing such problems in Wilson Hall.



Randy Sales

"We call him the Wilson Hall mechanical guru," said Stan Boyson, Wilson Hall's building manager and Sales' supervisor. "FESS Operations maintains the equipment in the building, but they'll often defer to him for suggestions about how to fix a problem."

Wilson Hall's complex heating/cooling system relies on water pumped from Central Utilities Building in the booster ring. Sales monitors the computer program which controls the many pumps and apparatuses involved in carrying that water.

"When things go wrong, I can adjust the parameters of the control program, or manually fix the problem. Otherwise, I turn it over to FESS Operations so they can make physical repairs," Sales said. "I just want people to know they should contact me first if they're uncomfortable, or have concerns regarding the heating/cooling system. I take care of the simple stuff."

## Director's Corner

### Good Morning!

A future international linear collider has a large part in the vision for Fermilab's long-range future. Earlier this year, the report of the Fermilab Long Range Planning Committee explored the issues and opportunities



Mike Witherell

associated with hosting a linear collider at the laboratory, concluding that Fermilab should make bidding to host a linear collider in Illinois its highest priority. In response I listed [several actions](#) that Fermilab is taking to make this vision a reality.

One action item calls for us to expand the research effort on the linear collider. In January, I appointed Shekhar Mishra to head the linear collider effort at Fermilab. I have asked him to expand and lead the Fermilab Linear Collider effort in the directions recommended by the Fermilab Long Range Planning Committee.

Fermilab is currently actively involved in the International Linear Collider effort. To bring the laboratory community up to date on linear collider developments both internationally and here at home, Fermilab Today will run a series of brief articles in coming weeks. They will describe the ongoing process of choosing a technology for the International Linear Collider, for example. They will also report



Severe Thunderstorms 89°/66°

[Extended Forecast](#)

[Weather at Fermilab](#)

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Sales can be reached at ext. 8031, or at [rsales@fnal.gov](mailto:rsales@fnal.gov).

### Accelerator Update

July 9 - July 12

- During this 72 hour period Operations established 3 stores that provided approximately 47 hours and 9 minutes of luminosity to the experiments.
- Pbar water leaks repaired
- Pbar Lithium lens tripped off; pulse magnet ground fault
- ComEd power glitch caused the loss of store 3641; The stack and stash survived
- Recycler stashed antiprotons successfully on Friday, but not on Monday

[View the current accelerator update](#)

[View the Tevatron Luminosity Charts](#)

### In the News

#### From *The Globe and Mail*, July 10, 2004

A Cosmic Crisis

By Siobhan Roberts

It used to be that, once a decade or so, scientists asked, "What is the shape of the universe?" A hypothesis would arise -- for example, that the universe was flat and infinite -- followed by a spurt of research, and that was enough to last us a while on the space-time odometer.

Since the early 1990s, however, cosmology is where much of the exciting science has been happening. "We've been looking for the shape of the universe like Columbus did the shape of the Earth," says Glenn Starkman, an astrophysicist currently based at the Conseil Européen pour la recherche nucléaire (CERN) in Geneva -- the home of the world's largest

on our activities here at Fermilab.

In a future Director's Corner, I will talk about the developments in R&D on another future accelerator, the Proton Driver.

### Announcements

#### Main Site Domestic Water Flushing This Week

Main site domestic water flushing will begin this Wednesday, July 14, 2004 at approximately 6:00 a.m. and will continue through the end of the work day on Friday, July 16, 2004. You may notice a slight discoloration in the water during this activity. If you have questions or concerns please contact Steve at x3363, cell phone (640) 951-5300 or long range page (630) 266-8627. Thank you for your patience during this maintenance operation.

#### Human Resources Q&A Session

The next Brown Bag Seminar, "HR Q&A Session," is today at 1:00 p.m. in the Hermitage Conference Room in the Technical Division. Bring your lunch and ask questions of: Kay Van Vreede - Section Head, Juantia Frazier - Employee Relations, Borys Jurkiw - Compensation/Visa, Dianne Engram - Employment/EOO and Wilma Cardona - Benefits. This is not a presentation. It is an opportunity for you to ask general questions.

#### Bristol Renaissance Faire

The Fermilab Recreation Office offers discount tickets to the Bristol Renaissance Faire in Kenosha, Wisconsin. Dates and hours are: July 10 - September 6, 2004, Saturdays and Sundays and Labor Day Monday Only from 10:00 AM until 7:00 PM (Rain or Shine). Ticket prices are

particle physics laboratory and essentially the centre of the universe for determining the content of the cosmos when it was a trillionth of a second old.

[read more](#)

Adult tickets (reg. \$18.50): \$15.75 and  
Children tickets (5-12 yrs) (reg. \$9.50):  
\$7.50. Don't stand in line. Get your tickets  
now. They can be used anytime during  
the 2004 season.