

## Calendar

### Tuesday, August 24

**3:30 p.m.** DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over

**4:00 p.m.** Accelerator Physics and  
Technology Seminar - 1 West  
Speaker: A. Liapine, DESY  
Title: High Precision Cavity Beam  
Position Monitor

### Wednesday, August 25

**3:30 p.m.** DIRECTOR'S COFFEE  
BREAK - 2nd Flr X-Over

**4:00 p.m.** Fermilab Colloquium - 1 West  
Speaker: E. Seidel, Max-Planck-Institut  
Title: Enabling Science and Engineering  
Applications on the Grid

## Wilson Hall Cafe

### Tuesday, August 24

Golden Broccoli & Cheese  
Hickory Smoked BBQ Pork \$4.75  
Japanese Breaded Pork Cutlet \$3.75  
Hawaiian Marinated Chicken w/ Grilled  
Pineapple \$3.75  
Toasted Almond Chicken Salad On Low  
Carb Bread \$4.75  
Supreme Baked Pizza \$2.75  
Chicken Fajita Tacos \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

## Weather



Thunderstorms **79°/68°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

## Oshinowo Elected to Coordinate Metrology Systems Conference Executive Committee

Babatunde O'Sheg Oshinowo of PPD's Alignment and Metrology group will serve on the executive committee of the 2005 Coordinate Metrology Systems Conference in Austin, Texas. Elected by about 400 attendees at this year's conference in San Jose, California, Oshinowo will organize seminars for the upcoming CMSC.

"As Seminars and Workshops Coordinator, I have to choose seminar leaders and review their presentations," said Oshinowo, who has worked in the Metrology and

Alignment Group for 11 years. The conferences attract metrologists from the airplane and car industries as well as research labs. Workshops and colloquia presentations discuss precision measuring devices like electronic theodolites, laser trackers, laser radar and photogrammetric systems. In July, Oshinowo gave a presentation on how laser trackers and videogrammetric cameras will be used to align the BTeV detector at CZero.

"Fermilab uses all metrological devices except scanning devices, which measure 3D objects instead of discrete points," said Oshinowo, who oversaw the alignment of Fermilab's NuTeV, DZero



Babatunde O'Sheg  
Oshinowo

## Director's Corner

### Good Morning!

The Annual Shutdown is upon us. The end of operations for fiscal year 2004 came at 4:00 am Monday when the last Tevatron store was terminated. The laboratory now enters a three-month period of intense activity in the tunnels, including renewal of the accelerator complex and installation of upgrades.



Mike Witherell

Some of the highlights for this shutdown are installation of the electron cooling apparatus into the Recycler, final installation of the NuMI beam line, and replacement of the focusing horn for MiniBooNE. The total accelerator effort requires about 160 people, including 124 mechanical technicians. Additional work will be done at the experiments.

The detailed scheduling of people, space, and hardware is an intricate and demanding task. The planning for this shutdown has been going on for the last year, but was especially intense for the last two months. People will still need to react as surprises inevitably occur over the course of the shutdown.

I want to reinforce Roger Dixon's message delivered last week: "The most important thing is having a very safe and effective shutdown. We don't want any of you getting hurt."

## [Secon Level 3](#)

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Detector, Recycler Ring, and MiniBooNE and is currently managing the alignment of the Booster Accelerator, Recycler Electron Cooling and BTeV Detector.

"Basically, the conference is a show-and-tell of measuring devices and methods," Oshinowo said. "It was quite a privilege to be nominated and elected by my peers." He is also a member of the organizing committee for the 8th International Workshop on Accelerator Alignment at CERN.

### Photo of the Day

## Hungry Hummingbird



A hummingbird enjoys a taste of a thistle near the Lederman Center. (Photo credit: Leticia Shaddix) (Click on image for larger version.)

### In the News

## Accelerator Update

### August 20 - August 23

- During this 72-hour period Operations established two stores that contributed approximately 24 hours of beam to the experiments
- TeV experts reported that the ground fault disappeared
- Operations established store 3744 on Saturday night and store 3745 on Sunday afternoon
- Nearly all of the machines conducted studies
- The TeV turned off at 4:00 a.m.
- Fermilab began its 13-week shutdown at 7:00 a.m.

[View the current accelerator update](#)

[View the Tevatron Luminosity Charts](#)

## Announcements

### Bowlers Wanted for the 2004-2005 Bowling Season

The Fermilab Wednesday Night Bowling League is looking for a few new bowlers this year. This is a sanctioned mixed league with a combination of Fermilab and NICOR employees. The league bowls at the Bowling Green Sports Center in West Chicago on Wednesdays at 5:30 p.m. The cost is \$13.00 per week, and the season starts on September 8 and ends on March 30.

[more information](#)

### Wilson Hall Power Outages

- On August 28 and 29, Wilson Hall will have power but no air conditioning.
- Power will be out September 13 for half an hour starting at approximately 7:00 a.m.
- Power will be out September 24 for half an hour starting at approximately 7:00 a.m.

**From *Telegraph.co.uk*,  
August 23, 2004**

**Science community unites for £3bn  
tunnel to recreate the Big Bang**

By Roger Highfield

A £3 billion plan to build a 25-mile tunnel in which subatomic particles are smashed together to recreate the Big Bang and unlock other mysteries of the cosmos has received a major boost from the international scientific community.

The Linear Accelerator is one of the next generation of particle physics experiments that are so huge, so ambitious and so costly that no single nation can afford them.

[read more](#)

**From *Independent.co.uk*,  
August 21, 2004**

**40km tunnel will try to unravel secrets  
of universe**

By Steve Connor

Details of a giant machine for discovering the secrets of the universe were revealed yesterday by scientists who believe the massive device could revolutionise how we understand the cosmos.

An international panel of particle physicists has decided that the high-energy linear collider - a £3bn machine for smashing matter against antimatter - will use revolutionary superconducting technology to shed light on the origin and nature of the universe.

[read more](#)

For more information, contact Wilson Hall Building Manager Stan Boyson at x4753.

**Booster, CUB, and Cross Gallery  
Power Outages**

- Cross Gallery footprint area: No air conditioning Saturday, August 28 or Sunday, August 29.
- Booster West: No power 12:00 a.m. to 6:00 a.m. Saturday, August 28; no power all morning Sunday, August 29.
- Booster East: No power all afternoon Sunday, August 29.
- CUB Feeder 42 and Booster Feeder 41 will be down for two hours Sunday, August 29 to clean a Tie switch that connects the two systems. There will be no power during that time to either system.

For more information, contact the MCR (x3721) or Bob Mau (x4429).

**PC Manager Meeting Wednesday, 8/25**

WH8X (Hornets Nest) 9:00-10:00 a.m.

Topics:

- IMAPSERVER upgrade schedule and features
- Frank Nagy will speak on blocking/unblocking of systems
- Useful tools
- What's happening with XP SP2?

And of course... Donuts!