

## Calendar

### [Have a safe day!](#)

Monday, August 31  
PARTICLE ASTROPHYSICS  
SEMINARS WILL RESUME IN  
THE FALL

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

All Experimenters' Meeting -  
Curia II

Special Topics: DAMIC Low-  
Mass Dark Matter Search;  
MINERvA at the Triple Point:  
Three Phases at Once

Tuesday, September 1  
3:30 p.m.

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

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

## Campaigns

### [Take Five](#)

### [Tune IT Up](#)

## Weather



Sunny  
70°/40°

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

## Current Security Status

### [Secon Level 3](#)

## Feature

### Summer program gets teachers on research TRAC



Purdue University Calumet professor Neeti Parashar mentors Morton Junior High School teacher Melissa Winchell during her eight week Teacher Research Associates program at Fermilab.

After eight weeks at Fermilab, middle school teacher Melissa Winchell is an expert at asking questions. It's an ability that has helped her go from programming novice to proficient Web developer during her summer in Fermilab's Teacher Research Associates program. And it's a skill she is eager to impart to her students at Morton Junior High School in Morton, Ill.

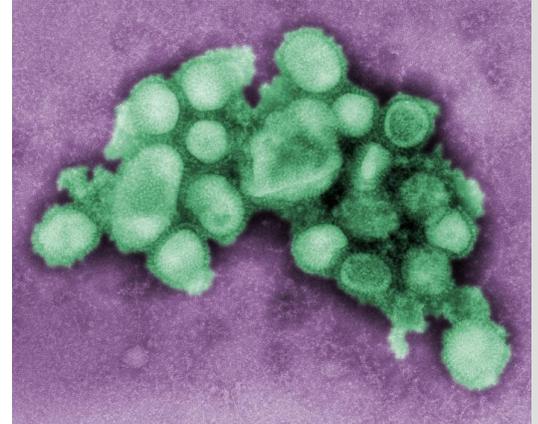
"When I talked with the high school teachers who were also spending the summer at Fermilab, there was the one thing they said that students really needed to learn in middle school—how to ask good questions," she explained.

Winchell's work at Fermilab underscored the value of inquiry. Her mentor, Professor Neeti Parashar, from Purdue University Calumet, who spent her sabbatical at Fermilab, handed Melissa a challenging mission: restructuring a jumble of CMS Forward Pixel Web pages into an orderly, user-friendly system. Through weeks of persistent effort—and plenty of questions—she succeeded, creating a resource Parashar said the CMS collaboration will use frequently.

Meanwhile, at sites across the laboratory, the summer's four other TRAC participants spent six to eight weeks completing projects of their own. The 28-year-old TRAC program attracts

## ES&H Tips of the Week - Health

### Tracking the flu at Fermilab



Negative stain EM image of the swine influenza A/CA/4/09. *Image courtesy of C. S. Goldsmith and A. Balish, CDCM.*

Fermilab staff members are working to implement a flu plan in preparation for the potentially exceptional fall and winter flu season.

In order to track the flu at Fermilab, all employees and users should contact the Medical Office at x3232 when they, or someone in their home, have the flu.

This information will help the Medical Office advise employees and users about when to return to work. Medical Office staff can also give suggestions for preventing the flu's spread through intense housekeeping, keeping distance from infected individuals, or, in extreme situations, using gloves and masks.

Although there was a lot of concern last spring about H1N1 influenza, medical professionals have discovered that the illness may not always be severe. In fact, it may be difficult to differentiate between H1N1 flu and the regular flu. Previously, doctors used routine laboratory tests to identify H1N1. But they determined that this method is too costly and does not yield enough benefit. Since July, the Centers for Disease Control and Prevention recommends clinical identification of the flu.

To determine whether you have the flu, you can check your signs (things you can observe) and symptoms (things you may experience) against the CDC's flu definition, which defines flu as a fever of 100 F and a cough or sore

**Wilson Hall Cafe**

Monday, August 31  
 - Spicy beef & rice soup  
 - Corned beef reuben  
 - Honey Dijon glazed pork loin  
 - Spaghetti w/meatballs  
 - Chicken Oriental wrap  
 - Assorted sliced pizza  
 - Pacific Rim rice bowl

**Wilson Hall Cafe Menu****Chez Leon**

Wednesday, September 2  
 Lunch  
 - Cabbage & bacon calzone  
 - Caesar salad  
 - Espresso mousse w/ cookies

Thursday, September 3  
 Dinner  
 - Coquille St. Jacques  
 - Veal saltimbocca  
 - Roasted potatoes  
 - Julienne of peppers, onions and basil  
 - Hazelnut cake w/crème  
 Anglais

**Chez Leon Menu**

Call x3524 to make your reservation.

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

mostly local residents but is open to teachers nationwide. Overall, said organizer Harry Cheung the TRAC experience offers educators “a chance to take part in research, to find out how science is an ongoing process, and to take that back to their schools.”

While this year’s participants wrapped up their laboratory work in early August, several hope to extend their Fermilab connection into the school year. Parashar plans to visit Winchell’s science classes, and Cheung expects some of the teachers will arrange field trips to Fermilab.

Parashar is glad to maintain those ties, adding to her already rich outreach activities.

“Fermilab is very fortunate to have teachers working alongside the scientists here. Melissa has done an outstanding job of developing the Web site,” she said. “The teachers’ presence can be rejuvenating for scientists here, and I’m sure they will do a great job conveying a passion for physics to their students.”

-- *Rachel Carr*

**In Memoriam****In Memoriam: Priscilla Duffield**

Priscilla Duffield

Priscilla Duffield, Robert Wilson’s first secretary, died on July 21 at her home in Norwood, Co. She was 91.

Duffield joined Fermilab, then National Accelerator Laboratory, on Nov. 6, 1967, when the

laboratory’s offices were based in Oak Brook. She served as founding director Robert Wilson’s first secretary until she left the laboratory on Dec. 31, 1972.

While she preferred the title secretary, Wilson referred to Duffield as his assistant director in his Golden Book, “Starting Fermilab.”

Prior to working at the laboratory, she served as secretary to Ernest Lawrence, whom the Lawrence Livermore and Lawrence Berkeley National Laboratories were later named after; for Robert Oppenheimer, during and after he worked on the Manhattan Project; and for Roger Revelle of the Scripps Institution of Oceanography.

throat in the absence of another known illness. Other possible accompanying symptoms such as shortness of breath, fatigue, weakness, chills and muscle aches may be absent. Individuals with the flu have been hospitalized even though they never had a fever. In those fortunately infrequent cases, the illness severity is the tip-off.

If your illness is severe, seek medical attention. Otherwise, see a doctor at your discretion. Many people with mild bouts of the flu may not need medical help.

For more information, please visit Fermilab’s [Flu Web site](#). In particular, check out the [Q&As](#) posted in the last few days.

--*Brian Svazas, MD*

**Safety Tip of the Week Archive****Shutdown Update**

August 21-28

- Linac: I- Source problems
- Booster: Running beam
- Pbar: Transitioning to startup
- MI: Lambertson vacuum leak
- Recycler: Failed components in Pelletron fixed
- TeV: D1 passed hipot
- NuMI: Have low-intensity run plan
- Cryo: A1 heat exchangers plugged due to contamination
- FESS: Chiller #3 work continues
- Alignment: All work completed except MTA, DZero, and switchyard

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements****Latest Announcements**

[MathWorks and Avnet demonstration Sept. 23](#)

[Country dancing moves to Kuhn Village Barn, beginning Sept. 1](#)

[International folk dancing returns to Kuhn Village Barn on Sept. 3](#)

[Bowlers wanted Wednesday nights](#)

[Thai Village restaurant discount](#)

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)

Visit the Fermilab  
[home page](#)

A full obituary is available [here](#).

## In the News

### A data deluge swamps science historians

From the *Wall Street Journal*,  
August 28, 2009

*As paper trails fade, digital material grows in size and complexity; how to decipher those 80-column punch cards*

London - In a vault beneath the British Library here, Jeremy Leighton John grapples with a formidable challenge in digital life. Dr. John, the library's first curator of eManuscripts, is working on ways to archive the deluge of computer data swamping scientists so that future generations can authenticate today's discoveries and better understand the people who made them.

His task is only getting harder. Scientists who collaborate via email, Google, YouTube, Flickr and Facebook are leaving fewer paper trails, while the information technologies that do document their accomplishments can be incomprehensible to other researchers and historians trying to read them. Computer-intensive experiments and the software used to analyze their output generate millions of gigabytes of data that are stored or retrieved by electronic systems that quickly become obsolete.

"It would be tragic if there were no record of lives that were so influential," Dr. John says.

[Read more](#)

[Vacation policy changes for exempt employees - Sept. 1](#)

[Robotics for Fermilab employees' children](#)

[Argentine Tango through Sept. 9](#)

[Scrapbooking Open House - Sept. 14](#)

[New Lo Cardio Class - Sept. 14 - Nov. 16](#)

[New Tai Chi For Health class - Sept. 14 - Nov. 16](#)

[URA Visiting Scholars Program now accepting applications](#)

[Bristol Renaissance Faire discount tickets](#)

[Six Flags Great America discount tickets](#)

[Raging Waves Waterpark online discount ticket program](#)

[Mosaico Hispanico - celebrating Hispanic music and dance - Sept. 19](#)

[English Country Dancing - Sept. 20](#)

[Sign up for fall Science Adventures classes](#)

[Office 2007 New Features class offered in September](#)

[Buttered Rum performs on Fermilab Arts Series Oct. 24](#)

[Fred Garbo Inflatable Theatre - at Fermilab Arts Series - Nov. 7](#)

[Process piping \(ASME B31.3\) class offered in October and November](#)

["The Night Before Christmas Carol" at Fermilab Arts Series - Dec. 5](#)

[Additional Activities](#)

[Submit an announcement](#)

