

Calendar

Monday, January 31

2:30 p.m. Particle Astrophysics Seminar - Curia II

Speaker: E. Sefusatti, New York University

Title: Constraints on Galaxy Bias and Halo Occupation Number from Large-Scale Clustering

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting - Curia II

Special Topic: Internal Rolls in Tevatron Dipoles

Tuesday, February 1

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Accelerator Physics and

Technology Seminar - 1 West

Speaker: J-F. Ostiguy, Fermilab

Title: The Fermilab Lattice Information Repository

Weather



Mostly Cloudy 34°/22°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

High School Students Search For Cosmic Rays

This event is part of the celebration of the World Year of Physics, and is one of several that Fermilab plans to host this year.



Students from Alan B. Shepard High School visit the Kuhn Barn, where Tom Jordan (left) explains how the cosmic ray detectors work. (Click on image for larger version.)

Last Wednesday, about 200 high school students from the Chicagoland area visited Fermilab on a joint field trip. Two of the three schools, which belong to Fermilab's QuarkNet education program, brought along their cosmic ray detectors and set them up in the Kuhn Barn. The students took data of cosmic muons. The students - who split up into 10 groups of 20 - also toured the Fermilab site, listened to Director Mike Witherell in Ramsey Auditorium and ate lunch in the Fermilab cafeteria.

"There are about 500 teachers across the U.S. who belong to our QuarkNet program, and 220 of them have different kinds of cosmic ray detectors," said Tom Jordan of Fermilab's Education Office, who helped organize the event. "We wanted to get a large number of detectors in a small area to try to track where the rays are coming from. This is the first time

Safety Tip of the Week

Ergonomic Hand Tools



Tools with bent handles are better than those with straight handles when the force is applied horizontally.

A hand tool only becomes "ergonomic" when it suits the task you are performing, and when it fits your hand without causing awkward postures or harmful contact pressures. If it does not meet these conditions, you may develop an injury such as carpal tunnel syndrome, tendonitis, or muscle strain. These conditions do not usually result from a single sudden event. Instead, they are caused by repetitive movements over time that damage muscles, tendons, nerves, ligaments, joints, cartilage, spinal discs, or blood vessels.

The best tool is one that fits the job you are doing, fits the available workspace, minimizes the force you need to apply, fits your hand, and can be used in a comfortable work position. It should be configured so you can work using your dominant hand with your wrist in a straight position. Soft non-slip grips are a definite plus. Whenever possible, the tool should be selected to demand the least force and without need for awkward postures.

For "power tasks" single-handle tools should have a grip diameter of 1¼" to 2" while double-handle tools should have grip spans from 2" (closed) to 3½" (open). The handle length should also be longer

Monday, January 31

French Quarter Gumbo

French Dip w/ Horseradish Cream Sauce

\$4.75

Honey Garlic Pork Chop \$3.75

BBQ Roasted Quartered Chicken \$3.75

Italian Panini with Provolone \$4.75

Pizza \$2.75

Sweet n' Sour Chicken with an Egg Roll

\$4.75

[Wilson Hall Cafe Menu](#)

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

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we've done this, and we're hoping to do it again in the summer with even more detectors."

The students took advantage of the question-and-answer time with Witherell, asking him about everything from string theory and superconductivity to radiation and antimatter. "I think the most interesting part so far was seeing all the cosmic ray detectors because they don't look like they're doing anything, but they are," said Kim Tran, a Proviso High School student. After taking data, the students can load it onto the Fermilab database for examination. "We hope that the students come away from here learning that science is a big collaboration effort," said Jordan.

Accelerator Update

January 26 - January 28

- During this 48 hour period Operations established one store that combined with an existing store provided the experiments with 34 hours and 56 minutes of luminosity.

- MI-60 cubical removal completed on Wednesday morning.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

In the News

than the widest part of your hand - usually 4 inches to 6 inches. For "precision tasks" single-handle tools should have a grip diameter of ¼" to ½" while double-handle tools should have grip spans of 1" (closed) to 3" (open).

If you would like additional information you can read a recent [NIOSH publication](#) on the ergonomics of hand tools or contact your division/section representative of the [Lab's Ergonomics Subcommittee](#).

Have a great day and let's work safely all week!

[Safety Tip of the Week Archive](#)

Announcements

Subscribe to Events Newsletter

To receive email notifications about upcoming cultural events at Fermilab, please sign up for the online newsletter [FermiCulture](#). Subscribers receive approximately five emails per month with information on upcoming arts performances, public lectures, films, etc.

Travel Center Tour Deadlines

The deadline to sign up for the "Wonders of Iceland - August 17" tour is February 17. Registration is accepted after this date if there are seats. If you would like more information on these tours contact the Recreation Office. [more information](#)

Scottish Country Dancing

Scottish Country Dancing will be held at 7:30 p.m., Tuesday, February 1, at the Geneva American Legion Post. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

[Upcoming Activities](#)

From Interactions News Wire, January 28, 2005

Jefferson Lab Celebrates 2005: World Year of Physics

Newport News, Va. — This year marks the 100th anniversary of Albert Einstein's "miraculous year," in which he wrote five papers that changed the way we look at physics. The International Union of Pure and Applied Physics (IUPAP) and the United Nations Educational, Scientific and Cultural Organization (UNESCO) have declared 2005 the World Year of Physics, and the Department of Energy's Jefferson Lab is joining the international physics community in this celebration.

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