

## Calendar

### Wednesday, June 15

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

BREAK - 2nd Flr X-Over

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

Speaker: J. Pinfold, University of Alberta

Title: Astrocollider Physics: Astroparticle Physics and the LHC

THERE WILL BE NO FERMILAB ILC R&D MEETING THIS WEEK

### Thursday, June 16

Computer Security Training - 1 West

**9 a.m.** Basic Computer Security

**10 a.m.** Security Essentials for Desktop System Administrators

**11 a.m.** Dangers of Spyware and Phishing

**2:30 p.m.** Theoretical Physics Seminar - Curia II

Speaker: U. Baur, State University of New York, Buffalo

Title: Probing Electroweak Top Quark Couplings at Hadron and Lepton Colliders

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

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

## Weather



Chance Sprinkles **72°/53°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Fermilab Achieves Another Year-long Safety Record

June is National Safety Month, but Fermilab works all year 'round to minimize injury and promote safety among its employees. The effort shows: the lab has achieved a new safety record with 7 out of 9 organizations working 365 days or more without a DART (Days Away Restricted Transferred) case.

"A few years ago, we thought having 2 or 3 organizations go over 365 days without a DART case was pretty significant," said ES&H head Bill Griffing. "We're constantly celebrating our safety performance achievements now, because it didn't always used to be this way."



Bill Griffing

The DART Chart on the Laboratory Safety Committee's [website](#) keeps track of how many days and hours each organization at Fermilab has worked without a DART case. DART cases include any on-the-job injuries that require an employee to lose time at work, to be given restricted duty that is job-limiting, or to be permanently reassigned to another job. On each day that all 9 organizations have worked 75 days or more without a DART case, prizes are awarded to randomly-selected employees ([see list of winners](#)).

Griffing predicts that both the Annual DART Rate and the TRC Rate (Total

## Scheduled Network Outage

On Thursday, June 16, from 6:00 to 8:00 a.m., the entire Wilson Hall computing network will be down. The outage will also isolate the networks of the Accelerator Division, MiniBooNE and MINOS, disabling network access from or to these areas. Other areas not connecting to Wilson Hall will not be affected by this outage.

## Indurthy, Lamenti and Grundler Capture GSA Prizes

Three young physicists received prizes last Friday, June 10, for their displays in the Graduate Students Association poster contest at the New Perspectives Conference. Dharmaraj Indurthy, of the University of Texas at Austin and MINOS, won first place with his poster, "Commissioning the NuMI Secondary Beam." Dennis Lamenti, of San Francisco State University and Sloan Digital Sky Survey, won second place with "Finding Supernovae in a Slice of Pi," and Ulysses Grundler, of the University of Illinois and CDF, won third for "Measurement of the  $t\bar{t}$  Production Cross Section Using Semileptonic  $B$  Decay to Muons." The winners accepted the URA-sponsored awards from judges David Finley, Sharon Hagopian and William Trischuk.

Leon Lederman followed the award ceremony with a lecture on "Neutrinos: Past, Present and Future," setting the context for student talks on neutrinos that afternoon. Harrison Prosper offered "a history lesson" to highlight the disagreements and personalities that brought about many of the theories graduate students focus on today. The

## Wilson Hall Cafe

### Wednesday, June 15

Portabello Harvest Grain Soup  
Santa Fe Chicken Quesadilla \$4.85  
Garlic Herb Roasted Pork \$3.75  
Jambalaya \$3.75  
Roast Beef on Ciabatta w/ Red Pepper Mayo \$4.85  
Meatlover's Pizza \$3.00  
Pesto Shrimp Linguini with Leeks & Tomatoes \$4.85

The Wilson Hall Cafe now accepts Visa, Master Card, Discover and American Express at Cash Register #1.

### [Wilson Hall Cafe Menu](#)

[Chez Leon](#) is now open. Call x4512 to make your reservation.

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Reportable Cases, or cases that require medical treatment) will continue to decrease in 2005. "Our safety record is impressive. Our safety statistics look great," he said. "But the most important thing is that people are not getting hurt. Even the Accelerator Division, which has over 500 employees, has now gone over 200 days without a DART case. That's quite an achievement when you consider the type of work they do."

While achievements in safety require the work and attention of every employee, Griffing believes that the lab's leadership in particular deserves credit for making Fermilab a safer place to work. "The directorate, and the division and section heads are doing an outstanding job of raising awareness about safety, and it's paying off," he said.

--Elizabeth Wade

Previous Record				Current Record			
D/S	Days	D/S	Hours	D/S	Days	D/S	Hours
DI	1,303	PD	1,500,459	ES	1,605	CD	1,636,032
LS	871	AD	824,034	CD	1,349	PD	1,178,309
ES	651	TD	578,617	DI	1,153	TD	878,327
PD	515	LS	436,349	BS	1,072	BS	684,999
TD	497	CD	402,219	TD	768	ES	679,477
BS	389	ES	305,378	PD	468	AD	580,542
CD	333	BS	274,800	LS	380	DI	203,693
FE	320	DI	233,549	AD	198	LS	180,726
AD	282	FE	217,465	FE	79	FE	53,473

The Laboratory Safety Council tracks the days and working hours each FNAL organization works without a DART case. (Click on image for larger version.)

## In the News

presentations were "pretty well attended overall," said GSA officer Jen Pursley. "We had almost 70 people registered."

Steven Kahn, of Stanford University and Deputy Director of the Kavli Institute for Particle Astrophysics, spoke on the increasing confluence

between astro- and particle physics. "It is clear," he told his audience, "that these fields are deeply connected." Stating that much evidence for new physics has come from astrophysics-related observations, Kahn hoped to "capture and connect what is happening in these two fields."

--Amelia Greene



Dharmaraj Indurthy (left) accepts the 1st-prize award from David Finley, one of the judges, for his poster "Commissioning the NuMI Secondary Beam."

## Announcements

### Content management system

The CSI group of the Computing Division hosts a Brown Bag Seminar today from 11:30-1:00: Introduction to the Plone software package, a Web-based content management system.

### Computer security training

The Fermilab Computer Security Team offers three training sessions on Thursday, June 16, from 9 a.m. to noon, in One West (see calendar for details). The first two sessions fulfill ITNA requirements. Sessions are free and open to all, and especially summer students should attend to learn proper computing

## From *Scotsman.com*, June 11, 2005

### Delving into the quark-y world of anti-matter

By Ian Johnston

There is something missing in the universe and given that it annihilates anything in its path, we should all be grateful. Fortunately for humankind and all life as we know it, anti-matter is extremely rare. ...

Being able to predict the mass of the Bc-meson helped scientists prove existing theories in particle physics. "We have been doing these calculations of the theory of how quarks behave for a very long time," Prof Davies explains. "In the past we've been forced to make approximations so we knew we weren't doing a very good job. "The fact we got the right answer is a huge boost to doing these calculations."

[Read more](#)

usage at the lab. Please send questions to [nightwatch@fnal.gov](mailto:nightwatch@fnal.gov)

### TevFest

Save the date! The second annual [Tevatron Connection](#) will take place June 24-25 in Ramsey Auditorium, offering a series of CDF and DZero presentations with theoretical perspectives.

### Third Thursday Lunchtime Cleanup

Volunteers for the Third Thursday Lunchtime Cleanup meet at 11:45 a.m. at the Wilson Hall ground floor east-side entrance. The group will work along Kirk Road, from Pine Street south to Giese Road, followed by a picnic lunch.

### Folk Dancing

International Folk Dancing will meet Thursday, June 16, in Ramsey Auditorium, the air-conditioned summer location. Dancing begins at 7:30 p.m. with teaching earlier in the evening and request dancing later. Newcomers are welcome, with or without partner. Info at 630-840-8194 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

### [Upcoming Activities](#)