

## Calendar

### Wednesday, January 5

**11:00 a.m.** Fermilab ILC R&D Meeting - 1 West

Speaker: N. Mokhov, Fermilab

Title: Beam Collimation and Machine-Detector Interface

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

BREAK - 2nd Flr X-Over

**4:00** FERMILAB COLLOQUIUM

CANCELED

### Thursday, January 6

THERE WILL BE NO THEORETICAL PHYSICS SEMINAR THIS WEEK

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

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

## Wilson Hall Cafe

### Wednesday, January 5

Vegetable Beef Santa Fe Black Bean Quarter Pound Hot Dog in a Soft Pretzel Roll \$4.75

Turkey A La King Over Biscuit \$3.75

Country Fried Steak w/Pepper Gravy \$3.75

Assorted Personal Sized Pizzas \$3.25

Beef & Cheddar Panini w/Sauteed Onions \$4.75

Cavatappi Pasta w/Italian Sausage & Tomato Ragu \$4.75

[Wilson Hall Cafe Menu](#)

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

## Weather

## DZero Elects Terry Wyatt as New Co-spokesperson

The members of the DZero collaboration have chosen Professor Terry Wyatt of the University of Manchester as their new spokesperson on November 30. Wyatt joins Jerry Blazey on the job, taking over from John Womersley, who has recently become [a scientific advisor](#) to the DOE.

Wyatt has been a DZero member since Manchester joined the collaboration in 1999.

He currently holds a Senior Research Fellowship from PPARC and has been

granted sabbatical leave by the University of Manchester that will allow him to be based at Fermilab through to the end of his term in fall 2007.



Terry Wyatt

"Being a DZero spokesperson is a more than full-time job," Wyatt said, adding that he is shedding all other responsibilities to concentrate on the new job. "Hopefully my colleagues will understand that it will take me a few months to get fully up to speed," he said.

At the top of the collaboration's agenda during the first year of Wyatt's appointment will be upgrades to the detector's silicon tracker and trigger, to keep up with the machine's planned luminosity increase, he said. Plans for the longer term include upgrades that would allow the detector to record and process up to 150 events per second, three times the current capacity. "It's a real challenge

## Christmas Bird Count Heats Up With Warming Trend



Bird watchers scan the skies for birds at Fermilab at the 2004 Christmas Bird Count. (Click on image for larger version.)

The temperature reached a high in the mid-20s on Saturday, December 18, but that didn't stop the birds from coming out, and neither did it stop 120 bird counters from spending the day admiring and tallying those Christmas birds.

"It wasn't really that cold," said Peter Kasper of Fermilab's Accelerator Division, who helped organize the annual event. "It's been colder, and it's snowed some years... but we have never had a blizzard before, though I expect that would make things difficult."

However, Kasper doesn't predict a blizzard any year soon; in fact, he has seen a trend in the opposite direction, by the name of global warming. "Only in the past few years have we seen birds such as the Great Heron and the American Robin during this season," he said. "They are a few of the species that no longer migrate south, but instead winter here due to global warming." He encourages people to look at the [Christmas Bird Count Website](#), which graphs each of the birds seen every year since 1976. "You can see a lot of interesting trends in each



Snow 28°/22°

[Extended Forecast](#)

[Weather at Fermilab](#)

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for the collaboration to prepare thoroughly for these upgrades - whilst at the same time we have to continue to operate efficiently our current detector, re-process our entire current dataset offsite using Grid techniques, and continue our ambitious program of physics analyses," he said.

A project with 650 scientists and engineers from virtually every continent can be complex but also engrossing to manage. "We obviously have different ways of working, but because we share a common aim, that transcends our differences," Wyatt said. "It's a fantastic feeling when it works well - and with the performance of both the Tevatron accelerator and the DZero detector still on an upward trend the potential rewards are enormous."

### In the News

#### From *The Guardian*, January 4, 2004

#### Out of the Equation

*Even the brightest pupils aren't choosing to do physics at A-level these days. It's not surprising. They are highly unlikely ever to have met a physics graduate at school. As Einstein year begins, John Crace reports on a growing crisis.*

Imagine trying to understand the nature of the universe without a grasp of the laws of physics. Imagine making sense of nanotechnology without knowing the basics of particle physics. You can't. From the vast to the very small, from the visible to the invisible, physics underpins everything. The more we know, the more fundamental it becomes. The distinctions between the three sciences are increasingly blurred around the edges,

one of these," he said. A direct link to these trends is [here](#).

The counters split up into 10 teams to cover the 15-mile-diameter circle that was designated by the Audubon Society for its national bird census. One of these teams covered Fermilab's property, where volunteers saw a total of 54 species and about 9,000 individual birds. Many of these were Canada Geese, the most numerous species, but a rare Pied-billed Grebe was also seen for the first time at Fermilab this year.

### Announcements

#### Fermilab Colloquium Canceled

Nadine Barlow, the speaker for today's colloquium "Space Program Spin-Offs," is snowed in at Flagstaff, Arizona and will not be able to give her talk.

#### System Administrator's Roundtable

The monthly meeting of computing system administrators will be held Thursday, 1/6 at 1:30 in Curia 2. The topics this month will be an introduction of the new personnel on the computer security team, and an overview of SAZ, the Site AuthoriZation service for Grid resources. For more information, contact [Mark Leininger](#), x4776.

#### Fermilab Proton Driver Meetings Start Next Week

There will be a weekly Fermilab Proton Driver meeting commencing on Wednesday January 12, 2005 in WH 1-West from 2:30 pm - 3:30 pm. The agenda for these meetings will include topics related to the 8 GeV Superconducting Linac design and particle physics that can be done with high power proton beams. If you would

with physics underpinning and driving most of the advances in chemistry and biology. Like it or not, it has become the senior science.

[read more](#)

like to receive meeting announcements in the future via e-mail please contact [mbruce@fnal.gov](mailto:mbruce@fnal.gov).

### **Radio Network Migrations**

Just a reminder that all affected VHF radio networks either have been or will be cutover to the new narrowband standard by the end of this week. You should tune your radios to the new channel(s) - channel 1 in most cases - and discontinue use of the wideband channels. Contact the Telecommunications Office at ext. 5411 or [telecom@fnal.gov](mailto:telecom@fnal.gov) with any questions or for further information.

### **SciTech Exhibit**

A "T. rex Named Sue" runs through February 21, 2005 at SciTech. Fermilab employees receive 2-for-1 admission on Saturday, January 8 from 4:30 to 7:00 p.m.

[Upcoming Activities](#)