

Calendar

Friday, December 16

3:30 p.m. Director's Coffee Break - 2nd Flr X-Over

4:00 p.m. Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: M. Demarteau, Fermilab

Title: The SiD Detector Design Study and Detector R&D at Fermilab for the ILC

Monday, December 19

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

Speaker: K. Zurek, University of Washington

Title: Uncovering Light Scalars in Cosmology

3:30 p.m. Director's Coffee Break - 2nd Flr X-Over

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

Weather



Partly Cloudy **29°/15°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Christmas Bird Count Set For Saturday, December 17



Peter Kasper, who often mentors young birders, has been part of the annual Christmas Bird Count at Fermilab since 1987.

All eyes (and binoculars) will be on the birds of Fermilab as part of the annual Christmas Bird Count (CBC) on Saturday, December 17. An Audubon Society event, the CBC has taken place throughout North and South America since 1900.

The DuPage Birding Club organizes the Fermilab CBC, which has been an ongoing event since 1977. Accelerator Division physicist Peter Kasper has participated in the CBC since 1987 and does bird-watching on grounds year-round. "When I'm here in the Chicago area, I do all my birding at Fermilab, and only at Fermilab," said Kasper, who maintains the [Birds of Fermilab website](#). "It's very hard to get me to leave the site and go elsewhere."

Fermilab is one of several CBC teams with a well-defined area to cover. The 18 or so people signed up on the Fermilab team will break into smaller teams to cover Fermilab's entire 6,800 acres. "We're very organized," Kasper said.

Fermilab Magnets Installed in Large Hadron Collider



The first Q2 quadrupole was on its way from CERN's staging area to the tunnel for installation early this week. A Q3 was installed on Wednesday, December 14.

How many CERN physicists does it take to screw in a Fermilab magnet? The answer came this week as the first set of interaction region quadrupole magnets, Q1, Q2 and Q3, were [installed](#) in the Large Hadron Collider at CERN. The magnets will be used to focus the proton beam inside the LHC. "This is a milestone," said Michael Lamm, a magnet physicist who helped with the project. "We've been working on these magnets since 1996; now we are getting down to the end." Fermilab physicists hope to complete the installation at all four interaction regions within the next twelve months, and will send magnet specialists from Fermilab to CERN to help commission them once they are in place. "We've had them on our test stand and we know how they behave," said Lamm. "If an issue arises we can give advice and help out." Several Fermilab physicists will assist in the installation and commissioning, including the Technical Division's Peter Limon, who is already at CERN.

The Q2 and Q3 magnets were made at

Friday, December 16

- Beef Pepper Pot
- Buffalo Chicken Wings
- Cajun Breaded Catfish
- Sweet & Sour Pork over Rice
- Honey Mustard Ham & Swiss Panini
- Double Stuffed Pizza
- Carved Turkey

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

[Wilson Hall Cafe Menu](#)

Chez Leon**Wednesday, December 21**

Closed

Thursday, December 22

Closed

[Chez Leon Menu](#)

Call x4512 to make your reservation.

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"Each team has places to go in an allotted amount of time, to get as efficient coverage as we can."

Nearly thirty years of Fermilab bird counts show trends in population changes, Kasper said. He noted a shift north in the winter range of American robins, which means their winter numbers at Fermilab have increased; rough-legged hawks, winter visitors from the north, have decreased. The Fermilab CBC core group will meet at 4:45 a.m. to look for owls, while most participants will turn out between 6:30 and 7 a.m.

—*Dawn Stanton*

ILC NewsLine**Frascati Meeting Concludes with BCD Recommendations and New GDE Structure**

Nick Walker kept the BCD session of the meeting under control with a "rotten paper tomato" on hand.

Fermilab, but Q1 was shipped from KEK to Fermilab to be assembled, packaged and prepared for installation at CERN. Other magnets will be prepared by Brookhaven National Laboratory. "The great thing about this project is that everyone is working together," said Jim Strait, head of the Particle Physics Division and former US/LHC project manager. "Different labs are cooperating, as well as different nations."

—*Siri Steiner*

Watch Out For Viruses

With the onset of the holiday season, people are inclined to email attachments containing pictures, games and music. The number of email viruses sent also increases during the holiday season.

Any email message you receive which includes an attachment might cause problems for your computer. Therefore, if you receive an email message containing an unrequested attachment, even from someone you know, do the following:

1. Don't touch the attachment. Don't open it, don't view it, don't save it to disk.
2. If you know the sender, contact that person and verify they did intentionally send it to you.
3. Ask them what it is, specifically.
4. If you are at all unsure about it, contact your desktop support person, Computing Division Helpdesk (helpdesk@fnal.gov) or Computer Security (computer_security@fnal.gov). Do not send them a copy of the attachment, describe it to them and then wait until they ask you for it.

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Following last week's meeting in Frascati, the GDE members and other attendees returned this week with only a few minor bumps and bruises from an onslaught of "rotten tomatoes."

"I was afraid that each speaker would need a flak jacket to present each portion of the Baseline Configuration Document because this is the chance for everyone to say what they didn't get to say before," said SLAC's Tom Himel, who opened the session "Discussion and Approval of the BCD" at the Frascati meeting.

[Read More](#)

In the News

From *The Guardian Unlimited*, December 15, 2005:

How to analyse a Big Bang of data

The mammoth project at the Cern physics laboratory in Geneva to recreate the conditions immediately after the universe began requires computing power on an unprecedented scale

'Everybody comes through the door whistling in the morning,' Sverre Jarpe, chief technical officer at Cern, tells me over coffee. You can see why: Cern, in Geneva, is the world's biggest particle physics laboratory, and probably one of the buzziest places on the planet to work at the moment.

Built 51 years ago - the location was chosen because of Switzerland's neutrality during the war - and resembling an oversized postwar comprehensive school, Cern has 6,500 employees from all over the world. To the outsider, the most striking thing about the

If you are going to send someone an email message and include an attachment yourself, then do the following;

Before you send the message with the attachment, always send the recipient a message telling them you are about to send them an attachment. This will, at least, let them know to expect a message with an attachment from you.

Always err on the side of using email safely!

—FNAL Email Team and Computer Security

Announcements

The Payroll Department

The Payroll Department will close at 4:30 pm on December 22nd and reopen at 7:30 am on January 3, 2006

Cashier's Office Holiday Schedule

The Cashier's Office will be close at 4 pm on December 22nd and reopen at 12:30 pm on January 3, 2006. Please submit all time sensitive payment requests no later than 10:00 am on December 19, 2005.

Travel Office Holiday Schedule

Please note the Travel Office will be closed the following days for the Holidays: Dec 23, Dec 26, Dec 30 and Jan 2. Please make plans to pick up airline tickets and arrange travel on dates other than the above. The Travel Office staff wishes you all Happy Holidays!

New Classifieds on Fermilab Today

New [classified ads](#) have been posted on Fermilab Today.

[Upcoming Activities](#)

organisation is its democracy - the mix of nationalities and ages, the desire to share information with others. As Karina Loureiro, the young PhD student showing journalists around, says: "It doesn't matter what your status is. There are famous people here, and they're your colleagues - you're an equal."

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