

Calendar

Tuesday, December 20

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

There will be no Accelerator Physics and
Technology Seminar today.

Wednesday, December 21

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

Speakers: S. Mishra and Others,
Fermilab

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

Title: Report on ILC-GDE Meeting at
Frascati

Note: There will be no Colloquium Today

Weather



Partly Cloudy 19°/5°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Tuesday, December 20

- Creamy Turkey Vegetable
- Chicken Gyros
- Salisbury Steaks w/Mushroom Au Jus
- Chicken Cacciatore
- Italian Panini w/Provolone
- Philly Cheese Stromboli
- Closed

The Wilson Hall Cafe accepts Visa,
Master Card, Discover and American

Fermilab Employees Sing in Three Different Languages



The Fermi Singers performed last Thursday
at lunch in the Ramsey auditorium.

Last Thursday's Fermi Singer's concert was as much about physics--and the international community--as it was about Christmas. The final song of the afternoon, "Up and Out," set to the tune of "Deck the Halls," described the journey of a proton from the Cockcroft-Walton through the Tevatron, without missing a beat (or a rhyme). The [words](#) were written by Choir Director Stephen Pordes.

Other songs had an international flavor: Brahms' "Erlaube Mir" and "In Stiller Nacht" were sung in German, and "Mata del Anima Sola" was performed in Spanish. Before transitioning from one language to another, individual singers came forward to explain the origin and meaning of the next batch of songs. Natalia Ratnikova introduced "Mata del Anima Sola," a Venezuelan song that translates to "Tree of the Lonely Soul," about a lone tree by the side of a river. "You can almost hear the water in it," she said. The song had a beat-box quality, and the singers provided a staccato rhythm and harmony for the solo, sung by tenor Terry Hart. English-language pieces included "Moon River" from

Director's Corner

The Good, The Bad and The Ugly

As we close this calendar year we can all reflect on a dramatic year for Fermilab, with as many twists and turns as a good Sergio Leone "spaghetti western."



Pier Oddone

The year started on a distinctly painful note. The cancellation of BTeV after several years of arduous battles to have the project approved and supported by both the agencies and the physics community. Going ahead with BTeV while developing the vigorous ILC R&D program that we and our community demand became impossible under the present and projected budgets. The BTeV collaboration did an outstanding job getting ready to build the detector. Although cancelling BeTeV was a necessary decision, it was heartbreaking to see their efforts come to naught.

At the same time, the difficult budget for the year led to a significant reduction in force, an event that is always traumatic for the employees affected and the institution. It was the price we had to pay in order to have a healthy laboratory in the future.

The discovery of tritium in a creek leaving the laboratory, even though it was a very small release, was bad. We have taken and will take measures to

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.

Search

Search the Fermilab Today Archive

Info

Fermilab Today is online at: <http://www.fnal.gov/today/>

Send comments and suggestions to today@fnal.gov

[Fermilab Today archive](#)

[Fermilab Today PDF Version](#)

[Fermilab Result of the Week archive](#)

[Fermilab Safety Tip of the Week archive](#)

[Linear Collider News archive](#)

[Fermilab Today classifieds](#)

[Subscribe/Unsubscribe to Fermilab Today](#)

Breakfast at Tiffany's and a madrigal, "April is in My Mistress' Face."

"I think it's great that we have a Russian introducing a Venezuelan song in the United States," said Pordes. "This group, like the lab, has an international flavor."

The Fermi Singers practice every Wednesday at lunchtime, and anyone can join. You can come to practice in Ramsey Auditorium if you're interested, or visit the [Website](#) for more information. The Singers will be start working on new music in January, so it's a good time to stop by.

—*Siri Steiner*

In the News

From *World Science*

December 17, 2005:

Long-sought "glueball" particle may be found, physicist says

Physicists have been on a three decades' long search for a strange type of subatomic particle called a glueball.

But the hunt may be almost, or already, over, a researcher claims. And if that's true, it could clarify what nature's most fundamental particles are.

The glueball quest is connected with a popular theory called quantum chromodynamics, which claims matter's most basic components are tiny entities called quarks. Other particles, called "gluons," act as a "glue" that binds quarks together to form the protons and neutrons of the atomic nucleus.

Most particle physicists consider the theory definitive; atom-smashing experiments have confirmed it, says

make sure that we prevent such releases in the future. And every single accident and day of work lost due to injury was bad.

The year also brought us many good things. We achieved record after record in the performance of the Tevatron. The electron cooling of antiprotons has been spectacularly successful. The machine now promises a great run of physics for the next few years. The production of physics results by CDF and D0 is way up. We will not be surprised if they make important discoveries. We inaugurated Minos with the help of our strong supporters, Speaker of the House Dennis Hastert, and the Director of the Office of Science Ray Orbach. Minos will be reporting physics results less than a year after turn on, after a very successful data-taking run. MiniBoone has doubled the amount of data collected in previous years and the physics community eagerly awaits the results. The Sloan Digital Sky Survey has been extended after a great contribution to the astrophysics community. CDMS has by far the best limit on the direct detection of dark matter and simple extensions open the possibility of great discoveries. The Pierre Auger observatory was inaugurated this fall and results on the highest energy cosmic rays are starting to come out. It was great to see CMS being assembled at CERN and the magnets built at Fermilab installed in the LHC.

This year, the Office of Science signaled its interest in exploring the possibility of hosting the ILC in the US. More importantly, it stated that if the ILC is built in the US, Fermilab will be the host

Michael Chanowitz, a theoretical physicist at Lawrence Berkeley National Laboratory in Berkeley, Calif.

[Read More](#)

laboratory. Our efforts on the ILC are increasing rapidly. The Global Design Effort is launched and successfully guiding the world's design effort. Fermilab is a stronger participant in the GDE every day that goes by. We are determined to position the US and Fermilab in the strongest position to host the ILC. Our neighboring communities have been extraordinarily supportive, even through difficult issues like the Indian Creek release. The Community Task Force continues to provide advice to us on many issues including the development of the ILC at Fermilab. We have started to develop the relations with the State of Illinois that will be essential if we are to host the ILC here.

In my transition to Fermilab, I have received great help from all of you. I have felt welcomed and supported by you. I also have received the support of DOE's Ray Orbach, Robin Staffin, Joanna Livengood and thier offices. As we close the year I would like to express my appreciation to all of you. I wish you and your families a happy holiday season and to all of us a prosperous and successful New Year.

Accelerator Update

December 16 - 19

- During the 72 hour period operations established three stores that provided the experiments with 56 hours and 30 minutes of luminosity.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Payroll Holiday Hours

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 Hours

The Cashier's Office will be close at 4 pm on December 22 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!

December Payroll Schedule

-Monthly leave sheets are due in Payroll by 10 a.m. on December 14, 2005 and payday will be December 22 for monthly employees.

-Weekly time sheets for the week ending December 18 are due in Payroll by 10 a. m. on December 14, and will be paid on December 22, 2005.

[Upcoming Activities](#)