

Calendar

Have a safe day!

Tuesday, May 25

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
THERE WILL BE NO
ACCELERATOR PHYSICS
AND TECHNOLOGY
SEMINAR TODAY

Wednesday, May 26

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over
4 p.m.

[Fermilab Colloquium](#) - One West

Speaker: Jan Liphardt,
University of California,
Berkeley
Title: The Intersection of
Physics and Biology

[Click here](#) for NALCAL,
a weekly calendar with
links to additional
information.

[Upcoming conferences](#)

Campaigns

[Take Five](#)

[Tune IT Up](#)

H1N1 Flu

For information about
H1N1, visit Fermilab's flu
information [site](#).

Weather



Sunny
86°/62°

[Extended Forecast](#)
[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Tuesday, May 25

Milestone

Denny "Inspector" Gaw retires on Friday



Denny Gaw

Denny Gaw wears his nickname, Inspector Gaw, like a badge of honor. Although given to him a few decades ago, the name calls attention to the skills of a 33-year employee whose work has helped to keep the laboratory up and running.

Gaw will retire Friday.

"Denny is just an excellent inspector," said Bob Jensen, group leader of the Technical Division's process engineering group. "He is very thorough. Some people will walk up to equipment and just say, 'Yep, its broke,' but Denny will also try to figure out why."

Always a tinkerer, Gaw demonstrated mechanical skills as a child when he took apart abandoned, broken appliances and clocks to see if he could make them work.

He began working at Fermilab in November of 1977 and has worked on nearly every fabrication project through the Technical Division, including the Tevatron, P-bar source, Recycler, LHC, NuMI and magnets for the Superconducting Super Collider.

Quality and Materials Department Head Jamie Blowers said that Gaw is an invaluable resource who will be missed.

"Denny was in on the ground floor when everything was put together," Jensen said. "He knows the Tevatron magnets inside and out because he was there when they were built."

Gaw is the process engineering group's lead inspector. He does the majority of the quality control checks on equipment under construction and before items are shipped. He often tests mechanical and electrical components, water flow and hydrostatics and conducts vacuum checks.

"What I like is seeing it all come together," Gaw said. "I like knowing that this is a product good enough for technicians. They know when they put it in the tunnel that it will work."

Gaw plans to fish, visit relatives and relax

Director's Corner

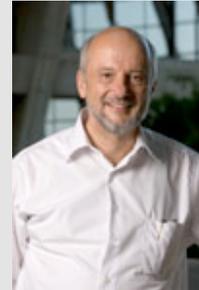
At midyear

Yesterday, in a meeting that lasted several hours and took 175 slides, we presented an evaluation of our work, both scientific and operational, to our DOE site office. This presentation and the feedback we received from DOE is a mid-course look at the performance of the laboratory for FY2010. At the end of the year, the DOE Office of Science evaluation of the laboratory determines the fee that Fermi Research Alliance receives for managing the laboratory. More importantly, to gain an extension of our contract we must achieve a high rating for our performance. After last year's evaluation we became eligible for an extension of three years in our contract, through 2015. We are now in a phase of our contract when we are eligible for one year extension after each consecutive year of excellent performance for up to a total contract length of 20 years, which would take us to 2027.

It is not easy to summarize 175 slides in a director's column, but the performance of the laboratory this year across the many criteria and the expected "notable outcomes" has been extraordinary and is due to all your efforts.

When we look at the scientific productivity of the laboratory and the fraction of particle physics results in the world that we produce at the energy, intensity and cosmic frontiers, it is easy to conclude that we are, for the moment, the most productive laboratory in the world in particle physics. The extraordinary performance of the Tevatron and the rest of the accelerator complex have produced records in every measure. The numbers of scientific papers and results that have followed have been made possible by the remarkable performance of the accelerators and the detector collaborations.

Similarly in planning the future program and starting its implementation we have made great progress even with very severe resource limitations. We have made very good use of the APRA funding moving



Fermilab Director
Pier Oddone

Tuesday, May 25

- Breakfast: Bagel sandwich
- Tomato bisque soup
- Lemon pepper club
- Beef fajitas
- Korean garlic chicken
- Grilled chicken Caesar salad wrap
- Assorted sliced pizza
- Rio Grande taco salad

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, May 26 Lunch

- Blackened chicken tortellini alfredo
- Blackberry lemon pudding cake

Thursday, May 27 Dinner

- Closed

[Chez Leon Menu](#)

Call x3524 to make your reservation.

Archives

[Fermilab Today](#)

[Result of the Week](#)

[Safety Tip of the Week](#)

[CMS Result of the Month](#)

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during his retirement. He said he will miss the laboratory because of the camaraderie he's experienced here and the ability to contribute to science.

"I always thought it was neat to see the joy on the faces of the scientists and to think that I had something to do with that," Gaw said.

Bid Gaw farewell with cake at 2:30 p.m. on Wednesday, May 26, at Industrial Building 4.

-- Rhianna Wisniewski

Photo of the Day

New employees - May 17



Front row from left: Andrew Bernhard, AD; Matthew Kramp, TD; Chris Crawford, FESS; Phil Albrecht, BSS; Samantha Koch, FESS; Amanda Landers, TD; Derek Weitzel, WDRS; Ed Hill, Megan Grimm, TD and Carrie Holzgrafe, DIR. Second row from left: Kevin Sheehan, FESS; Darren Freeman, BSS; Jodie Coghill, TD; Todd Hinze, ES&H; Kris Anderson, AD; Colleen Mitchell, PPD; Rachel Harker, WDRS; Scott Noblitt, CD; Ian Dimayuga, FESS; Pat Koeller, TD; Ryan Washburn, TD; and Ryan Putz, CD.

In the News

How duality could resolve dark matter dilemma

From *MIT Technology Review*, May 24, 2010

Astrophysicists need to choose between dark matter or modified gravity to explain the Universe. But a strange new duality may mean they can have both

The debate over the wave or particle-like nature of light consumed physicists for 300 years after Isaac Newton championed particles and Christian Huygens backed the idea of waves. The resolution, that light can be thought of as both a wave and a particle, would have astounded these giants of physics, as indeed, it does us.

What shouldn't surprise us, though, is that other seemingly intractable arguments might be similarly resolved.

But exactly this may be in store for the dark matter conundrum which has puzzled astrophysicists for almost 80s years, according to Chiu Man Ho at Vanderbilt University in Nashville and a couple of buddies.

[Read more](#)

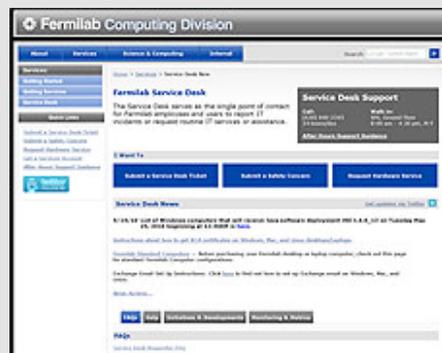
very good use of the ARRA funding moving forcefully to place orders in the broad economy and preparing the laboratory for its future projects. We are successfully managing all the large projects now underway: NOvA, DES, MicroBoONE, LBNE, Mu2e, CDMS 15-kg, COUPP-60kg and have successfully finished the construction of Minerva.

The operations of the laboratory are also in very good shape thanks to the devoted efforts of everyone across the board. We are in the middle of an especially difficult two years for the laboratory due to the large volume of work, finishing the running of the Tevatron while launching new projects, including Project X, and carrying R&D for future colliders. An especially notable result is our safety performance that so far has achieved new records for this year.

I think we should take pride in what we have been able to do so far. Let's keep on this track!

Special Announcement

Service Desk website redesigned



The Service Desk site is simpler, cleaner and easier to navigate.

The Computing Division's Service Desk site has undergone a redesign. The new page has less text, is better organized and is easier to navigate. It features easy access to Service Desk offerings, up-to-date news and other useful information.

Accelerator Update

May 21-24

- Four stores provided ~38.5 hours of luminosity
- Store 7828 quenched at A3
- Booster down due to kicker problem
- TeV quench during shot setup
- Kautzky valve replaced
- Pbar to make six-hour access on 5/25/10

*The integrated luminosity for the period from 5/17/10 to 5/24/10 was 51.74 inverse picobarns. NuMI reported receiving 7.23E18 protons on target during this same period.

[Read the Current Accelerator Update](#)
[Read the Early Bird Report](#)
[View the Tevatron Luminosity Charts](#)

Announcements

[Diversity Office volunteer opportunity - May 25-June 8](#)

[Toastmaster meeting - June 3](#)

[Project Scheduling and Earned Value Management Systems - May 26-27](#)

[ES&H Web Server down May 24 & May 26](#)

[Argentine Tango each Wednesday, May 5 to May 26](#)

[10,000 Steps Per Day walking program](#)

[Sand Volleyball held on Tuesdays starting May 25](#)

[May Benefits Bulletin](#)

[43rd Fermilab Users' Meeting registration - June 2 - 3](#)

[SciTech summer camps start - June 14](#)

[Employee discount at Batavia Rosati's](#)

[Fermilab Arts Series presents Corky Siegel and Chamber Blues - June 26](#)

[ANSYS Mechanical Application classes offered in May](#)

[Sign up for summer Science Adventures classes](#)

[Introduction to LabVIEW course - July 13](#)

[Embedded Design with LabVIEW FPGA and CompactRIO seminar - July 13](#)

[Interaction Management Coaching Forum - July 27](#)

[Submit an announcement](#)