

Calendar

Fri., July 13

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4:00 p.m.

Joint Experimental-Theoretical
Physics Seminar - One West
Speaker: A. Sanchez-
Hernandez, CINVESTAV-IPN
Title: Measurements of the Δ_B

Lifetime at DZero

8:00 p.m.

[Fermilab International Film
Society](#) - Auditorium

Tickets: Adults \$5

Title: Mũi du du xanh (The
Scent of the Green Papaya)

Mon., July 16

PARTICLE ASTROPHYSICS
SEMINARS WILL RESUME IN
THE FALL

3:30 p.m.

DIRECTOR'S COFFEE
BREAK - 2nd Flr X-Over

4:00 p.m.

All Experimenters' Meeting -
Curia II
Special Topic: NuMI Horns

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

Weather



Partly cloudy 76°/54°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Second Level 3](#)

Wilson Hall Cafe

Feature

40-year Fermilab veteran Leon Beverly to retire



[Leon Beverly](#)
Tavern in Batavia at
11:30 a.m.

Leon Beverly, senior engineering associate and head of the Particle Physics Division Site Department, will retire on July 20 after being part of the Fermilab community for almost 40 years. His retirement luncheon is today at the Venice

"Leon is a class act - he's extremely pleasant, modest and collegial," said Stephen Pordes, a physicist in the Experimental Physics Projects Department of PPD who has worked closely with Beverly. "He has always been well-organized, hard-working and committed to the mission of the laboratory."

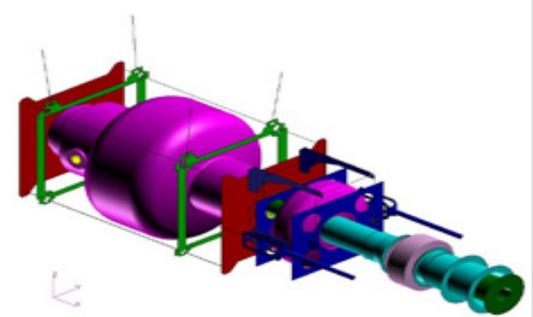
Beverly's behind-the-scenes job of providing power to the various PPD experiments has been vital for keeping the accelerator experiments running. He began working at Fermilab as a technician in the Linac Department in 1968 and helped to develop the accelerator's radio-frequency systems. After moving to the Neutrino Department in 1971, he was instrumental in the installation of the neutrino beamline and many experiments, such as E1A, CDF, MIPP and the MINOS neutrino detector.

Currently, when PPD equipment needs power, Beverly examines the requirements, decides the necessary voltage, designs the circuitry and oversees the installation. "Leon is one of the key people who set up electrical power for the particle physics experiments - a job where it's crucial to understand the real hazards and plan ahead correctly," Pordes said.

Beverly said he's excited about retiring but will miss his work. "I have many good memories, mostly of the people I have worked with during my time here," he said. "Professionally, you grow over the years, so that experience in

From ILC Newline

Crabbing in the cavity



A CAD drawing of a crab cavity.

What do superconducting cavities and the beach have in common? KEK accelerator physicists can give you the answer: the crab. During the spring operation period of the KEKB accelerator, scientists successfully achieved effective electron-positron collisions in a new cavity. Called the crab cavity, it tilts each bunch sideways so that the bunches collide head-on at the interaction point. This success will allow the KEKB to boost its luminosity, which is already the world's highest for a B-factory, to an unprecedented level. Crab cavities will also play an important role in achieving high luminosities at other machines, including the International Linear Collider (ILC), upgrades for the Large Hadron Collider (LHC) at CERN, as well as future synchrotron light sources.

The concept of crab cavities was first suggested almost 30 years ago by Robert Palmer, who at the time was a scientist at SLAC, aiming to use them for linear electron-positron colliders. In 1989, KEK scientists, Katsunobu Oide and Kaoru Yokoya proposed the use of crab cavities in storage rings, and then Kazunori Akai developed the designs and prototype models as part of a collaboration between KEK and Cornell University. Earlier this year, the first full-size cavities were finally installed into the KEKB cryostat, and they were up and running from February to the end of last month.

[Read more](#)

-- Rika Takahashi

Friday, July 13

- New England clam chowder
- Black & blue cheese burger
- Mardi gras jambalaya
- Swedish meatballs
- Bistro chicken & provolone panini
- Assorted pizza slices
- *Carved top round of beef

[Wilson Hall Cafe Menu](#)

Chez Leon**Wednesday, July 18 Lunch**

- Shrimp & barley salad w/ green beans
- Summer melons in spiced white wine

Thursday, July 19 Dinner

- Grilled portobello and red pepper salad - Scampi - Vegetable of the season - Chocolate strawberry shortcake

[Chez Leon Menu](#)

Call x4598 to make your reservation.

Archives**Fermilab Today****Result of the Week****Safety Tip of the Week****ILC NewsLine****Info**

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

Send comments and suggestions to: today@fnal.gov

itself has been enjoyable."

Beverly plans to spend his retirement golfing and traveling to Mesa, Arizona, with his wife.

-- *Amelia Williamson*

Feature**Jerry Dychakowsky retiring after 31 years**

Jerry Dychakowsky, known to colleagues and friends as "Dych," is retiring from Fermilab after nearly 31 years. Today will be his last day at work.



Jerry "Dych" Dychakowsky

Hired as a design drafter in 1976, Dychakowsky spent his first years working on circuit board layout at the Meson Detector Building. He eventually moved to the Particle Physics Division, where he works as a CAD systems librarian to ensure that employees, users and others have an adequate library to build circuit boards.

Paul Czarapata, deputy division head of the Accelerator Division, worked directly with Dychakowsky for nearly 20 years and said that the outwardly gruff "Dych" is a modest, soft-hearted guy who will be missed.

"In the early days, in the Meson lab, it was really fun," Czarapata said. "We were younger and we were always playing pranks on each other. He was very thorough about the work he did, but he'd share some laughs with us as well."

Although he's looking forward to retirement, Dychakowsky said that he'll miss many of the Fermilab people and their sense of humor. "It is becoming exceptionally difficult to think about this being my last day because of all the friendships I've developed," he said. Dychakowsky and his wife plan to move to Arizona after retiring, something that Czarapata said will prevent them from living his vision of "Jerry and me golfing off into the sunset as two old retired guys."

-- *Rhianna Wisniewski*

In the News**From BBC News July 11, 2007:****Scientists seek galaxy hunt help**

A new project known as Galaxy Zoo is calling on members of the public to log on to its website and help classify one million galaxies.

The hope is that about 30,000 people might take part in a project that could help reveal whether our existing models of the Universe are correct.

Computer users undergo a three-minute online tutorial and are then allocated a series of images and asked to decide whether each one shows a spiral or an elliptical galaxy.

If it's a spiral galaxy, they're asked to decide which way it appears to be rotating.

[Read More](#)

Announcements**Vacancies in DOE Office of Science**

The U.S. Department of Energy's Office of Science is seeking a highly qualified candidate with outstanding scientific achievements to fill the position of [physicist](#). Apply [here](#).

Kyuki-Do classes

Kyuki-Do is a Korean martial art based on Taekwondo, but includes Hapkido, Judo, and Jujitsu. Classes are held on Mondays and Wednesdays from 5:00 – 6:00 p.m. in the exercise room of the Recreation Facility. Cost is \$45 per 6-week session. You must be a member of the Recreation Facility to join, and must register through the Recreation Office.

Blood Drive success

Through the site-wide blood drive on June 26 and 27 Heartland Blood Centers collected 102 units of blood.

2007 GSA Triathlon

The 2007 GSA Triathlon will take place on August 11, 2007. Those interested in participating should email [Mandy Rominsky](#) as soon as possible. Please include your estimated swim time and overall completion time in your message. Volunteers are also needed to help during the event and should contact Mandy.

Classifieds

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



Fermilab Today.

[Additional Activities](#)