

## Calendar

### Tuesday, November 15

**11:00 a.m.** Academic Lecture Series -  
1 West

Speaker: C. Quigg, Fermilab

Title: The Electroweak Theory and Higgs  
Physics – Lecture 5

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

**4:00 p.m.** Accelerator Physics and  
Technology Seminar - 1 West

Speaker: H. Damerau, GSI, Darmstadt  
Title: Creation and Storage of Long and  
Flat Bunches in the LHC

### Wednesday, November 16

**2:30 p.m.** Particle Astrophysics Seminar  
(NOTE DATE) - Curia II

Speaker: R. Mandelbaum, Princeton  
University

Title: Science Results with SDSS Weak  
Lensing

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

**Note:** There will be no Fermilab ILC R&D  
Meeting or Colloquium today

## Weather



Showers **47°/32°**

[Extended Forecast](#)

[Weather at Fermilab](#)

## Current Security Status

[Secou Level 3](#)

## Wilson Hall Cafe

## Profile: CDF's Yoh Reflects on Fermilab Discoveries



John Yoh has been a physicist at Fermilab for more than 30 years. ([Click image for larger version.](#))

John Yoh wasn't just here for the top quark discovery, he was here for the bottom as well. As a CERN visiting scientist, Yoh interviewed with the Mark I experiment at SLAC, and with scientist Sam Ting. Instead, he joined Columbia University and Fermilab experiment E70/288, under Leon Lederman's leadership. When he arrived here more than 30 years ago, the Tevatron was yet to see its first collisions, and Wilson Hall was under construction. "It was all muddy here," he said. To Yoh's dismay, both Mark I and Ting's experiment, at Brookhaven Lab, soon helped discover the bound state of the charm quark, known as the  $J/\psi$ . "We were too late," Yoh said of E70/288.

But redemption came in 1977, when a new particle presented itself in Lederman's experiment. It was named the Upsilon, later found to be the bound state of the bottom quark and its antiquark. "I missed the J, I missed the psi, but I got the bottom," he said. A little less than 20 years later, as a member of

## Director's Corner

### Tango

Today our national program is the most productive and cutting-edge particle physics program in the world. Cashing in on the opportunities that the program provides takes almost all the resources that are available to our field, leaving very little headroom to develop the future. Yet the future is almost upon us.



[Pier Oddone](#)

To develop a bright future with our limited resources we need a highly disciplined and coherent approach. If we point in many directions at once we will not get very far in any one of them. The Physics Prioritization Panel of HEPAP (P5) could, of course, resolve contending approaches, but we have seen in the past that contention does not go away with the dictum of a panel. A far more powerful approach would be to generate a coherent view from the ground up with our partner institutions.

Yesterday a group of us from Fermilab met our counterparts at Brookhaven National Laboratory to discuss how we can partner across a broad set of programs and develop a common view for our collective future. Our hosts at BNL were very gracious, and we had frank discussions that produced a number of ideas to explore together. In many areas we have already partnered, such as in the LHC, Minos and Dzero. In other

**Tuesday, November 15**

- Golden Broccoli and Cheese
- Hickory Smoked BBQ Pork
- Coconut Crusted Tilapia
- Spaghetti with Meatballs
- Toasted Almond Chicken Salad on Croissant
- Supreme Baked Pizza
- Ceviche Tostada

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

[Wilson Hall Cafe Menu](#)

**Chez Leon****Wednesday, November 16****Lunch**

- Rouladen
- Buttered Dill Egg Noodles
- Pickled Carrots
- German Chocolate Cake

**Thursday, November 17****Dinner**

- Vol-au-Vents with Mushrooms
- Stuffed Filet of Sole with Crabmeat
- Vegetable Medley
- Maple Walnut Cake w/Maple Glaze

[Chez Leon Menu](#)

Call x4512 to make your reservation.

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**Info**

the CDF collaboration, Yoh played a role in making Fermilab's second fundamental discovery, the top quark. Several years before the discovery, Yoh helped write the design report, initiated the offline system and proposed a way to set experimental limits on the mass of the top.

Things have changed since Yoh's days on E288. Experiments are getting larger and more complex, scientists are searching for multiple unknowns, and there is less of what Yoh calls a "cowboy" aspect to the job. "In the old days, everyone liked to do their own thing, make their own equipment, write their own code from scratch - there's less of that now," he said. But the future of the field continues to lie in the hands of the youngest brains on site, Yoh said: "There is still room for a young graduate student to come up with good ideas and show the old-timers off."

—*Kendra Snyder*

**Fermilab Recognizes Long-term Employees**

The Employee Relations Department is excited to announce an enhancement in Fermilab's employee service award recognition program. In 2006, employees who will celebrate 10, 20, 25, 30, and 35 years of service will receive eligibility notification and gift selection options at their home address from our vendor, LesterLampert Corporate.

This program enhancement will allow employees to examine available gifts from home or at work via a customized website or an enclosed brochure. A reminder letter will be sent to you should you forget to respond by the requested date. There are now three convenient

areas, especially in our different approaches to neutrino physics, we have been fierce competitors in the past and now seek a common approach. In important areas, such as the International Linear Collider and the Proton Driver, we have common interests but have not yet come together in a major collaboration.

In our meeting, just like learning to tango, some steps were easy and came naturally and others were difficult enough that we stepped on each others' toes. But looking forward we are committed to learn even the most difficult steps.

**Accelerator Update****November 11 - 14**

- Three stores provided 62 hours and 23 minutes of luminosity.
- Linac off for five hours due to tripped Klystron.
- Recycler loses CE504 but holds on to stash.
- MiniBooNE off due to H866.

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

**Announcements****Scottish Country Dancing**

Scottish Country Dancing will meet Tuesday, November 15, at Kuhn Barn on the Fermilab site. Instruction begins at 7:30 p.m. and newcomers are always welcome. Most dances are fully taught and walked through, and you do not need to come with a partner. Info at 630-840-8194 or 630-584-0825 or

[folkdance@fnal.gov](mailto:folkdance@fnal.gov)

**International Folk Dancing**

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

Send comments and suggestions to [today@fnal.gov](mailto:today@fnal.gov)

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Be sure to follow the instructions mailed to you by LesterLampert Corporation to ensure timely delivery of your gift to the address you designate.

Please refer to the following schedule:

#### **2006 Anniversary Date - Receive Notification from LesterLampert**

1Q (Jan. - March) - Nov. 2005

2Q (April - June) - Dec. 2005

3Q (July - Sept.) - March 2006

4Q (Oct. - Dec.) - June 2006

The Employee Relations Department will continue to send invitations for the awards luncheon to your work mail station.

#### **In the News**

#### **From AAAS Science & Policy, November 14, 2005 R&D Budget and Policy Program**

Congress is picking up the pace on final negotiations over the FY 2006 appropriations bills in hopes of finishing the 2006 budget by Thanksgiving. Congressional appropriators have reached final budget agreements on 8 of the 12 largest R&D funding agencies, and are struggling to wrap up work on the remaining agencies which include DOD and NIH, the two largest federal sponsors of R&D. Only the Departments of Homeland Security and the Interior, and EPA have their final budgets right now, but USDA, DOE, NASA, NSF, and the Department of Commerce should have their budgets signed into law next week. But in an added wrinkle to a

International Folk Dancing will meet on Thursday, November 17, at Kuhn Barn on the Fermilab site. Dancing begins at 7:30 p.m. with teaching and children's dances earlier in the evening and request dancing later on. Newcomers are always welcome and you do not need to come with a partner. Info at 630-584-0825 or 630-840-8194 or [folkdance@fnal.gov](mailto:folkdance@fnal.gov).

#### **NALWO's Winter Holiday Tea**

[NALWO's](#) Winter Holiday Tea will be hosted by Barbara Oddone at her home, on the Fermilab site, on Monday, December 12, from 11:00 a.m. until 1:00 p.m. Fermilab IDs are no longer required to enter the lab, but you will need photo identification. You can enter the Fermilab site through the Wilson Street entrance (from Kirk Road) and ask the guard for directions. Please bring a favorite dessert or appetizer from your country, but if you cannot bring a treat, please come anyway! For additional information contact Susan Kayser at [sukayser@fnal.gov](mailto:sukayser@fnal.gov), Rose Moore, at [rosecraigmoore@comcast.net](mailto:rosecraigmoore@comcast.net), 630/208-9309 or the Housing Office, 630/840-3777 or [housing@fnal.gov](mailto:housing@fnal.gov).

#### **Upcoming Activities**

confusing budget process, Congress is preparing to include an across-the-board cut of up to 2 percent for all programs in the last FY 2006 spending bill, which will trim R&D funding even for agencies whose budgets have already been signed into law.

[Read More](#)