

Calendar

Tuesday, Jan. 13

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

Accelerator Physics and
Technology Seminar - Curia II
(NOTE LOCATION)

Speaker: Slava Danilov, Oak

Ridge National Laboratory

Title: High Intensity Ring

Physics and Technology at

SNS

Wednesday, Jan. 14

3:30 p.m.

DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4 p.m.

[Fermilab Colloquium](#) -

Auditorium (note location)

Speaker: Gordon Kane,

University of Michigan

Title: LHC – a “Why” Facility

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

Weather



Snow
7°/-7°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Tuesday, Jan. 13

- Golden broccoli & cheese

- Southern style fish sandwich

- Coconut crusted tilapia

- Chicken w/artichokes and
mushrooms

- La Grande sandwich

- Assorted sliced pizza

- Chicken fajitas

[Wilson Hall Cafe Menu](#)

Profile

Camille Ginsburg prepares Fermilab for the future



Camille Ginsburg

Camille Ginsburg's job is to look to the future – and make sure Fermilab has the right tools to reach it.

As project scientist for the Fermilab superconducting radiofrequency cavity vertical test facility, Ginsburg searches for ways to improve cavities that will

accelerate charged particles in future accelerators.

“I think superconducting radiofrequency particle acceleration is an important technology,” Ginsburg said. “For future projects at Fermilab, it seems likely that it will play a critical role.”

Ginsburg came to Fermilab in 2005 after working at the University of Wisconsin - Madison on the CDF experiment at the Tevatron proton-antiproton collider.

Ginsburg coordinates a team that devises ways to clean, process and test the quality of cavities. She is working to produce cavities that can reliably impart 35 megaelectron volts of energy to a particle in one meter.

Thousands of these cavities would be needed for future accelerators, so industrializing the production is vital to using them successfully.

The perfect cavity must be made of high-quality niobium material polished to a mirror-smooth finish, including the welded joints in the cavities, she said. It must also be free of dust or contaminants, which can be introduced during assembly.

So far, laboratories around the world have completed about two dozen nine-cell cavities that can perform at the required level.

Ginsburg earned her Ph.D. in physics at Northwestern University and was also a research associate at Ohio State University.

-- Kathryn Grim

Director's Corner

Vacation



Fermilab Director Pier Oddone is on vacation. The Director's Corner will return next week.

Announcement

Watch hearing on Steve Chu nomination today, 9 a.m.

The U.S. Senate Committee on Energy and Natural Resources will conduct a hearing to consider the nomination of Berkeley Lab Director Steve Chu as Energy Secretary Tuesday at 9 a.m. (CST). Employees can watch a live Web cast of the hearing on the committee's [Web site](#).

Video of the Day

Cyclotron kids



With aid from Jefferson Laboratory, a group of high school students who attended space camp together are working to build a cyclotron. The students' goal is to be the first teenagers to produce antimatter. [Click on the image to watch the YouTube video about the students and their project.](#)

Accelerator Update

Chez Leon	In the News	Jan. 9-12
Wednesday, Jan. 14 Lunch - Stuffed cabbages - Mashed potatoes - Apple strudel	Of note: selected quotations from FYI in 2008 From <i>AIP FYI</i> Jan. 9, 2009	- Five stores provided ~62 hours of luminosity - Store 6715: second highest with an initial luminosity of 359.45E30 - Pbar fixes two transfer switches that were hindering stacking - TeV conducts coupling study - Pelletron VME node problems
Thursday, Jan. 15 Dinner - Chipotle shrimp w/ corn cakes - Stuffed flank steak - Lemon risotto - Chocolate mousse pie	Editor's Note: <i>On Dec. 17, 2007, Fermilab learned that the FY08 federal budget cut \$94 million for High Energy Physics. Over the course of the next seven months, work on upcoming projects slowed to a crawl and funding for some proposed experiments ceased all together. Fermilab employees continued to put forth extra effort in all areas, even while taking weeks of unpaid leave and under the threat of layoffs. After months of public outcry, additional funds were eventually allocated. The quotes in the article below show the general commitment of policy-makers to science and technology.</i>	Read the Current Accelerator Update Read the Early Bird Report View the Tevatron Luminosity Charts
Chez Leon Menu Call x3524 to make your reservation.		
Archives		
Fermilab Today		
Result of the Week	Before turning to 2009, a final look at 2008 with selected quotations from FYI:	
Safety Tip of the Week	"The adopted [FY 2008] budget is untenable for our nation, if we are to maintain any hope of providing world leadership in science and technology and remaining economically competitive." - Rep. Vern Ehlers (R-MI)	
ILC NewsLine		
Info		
Fermilab Today is online at: www.fnal.gov/today/ Send comments and suggestions to: today@fnal.gov	"Due to the President's insistence that we cut over \$20 billion from the [FY 2008] budget, these investments fall far short of what House Democrats had provided in earlier House-passed bills, especially in the areas of research and development." - House Speaker Nancy Pelosi (D-CA)	
	"Trying to understand the laws of nature can be frustrating, but I think most of us here today would agree that it pales in comparison to trying to understand the laws of man." - NASA Administrator Michael Griffin at an American Astronomical Society meeting	
	Read more	Fermilab Barnstormers meeting Jan. 14 Weekly time sheets are due on Friday Argentine Tango classes begin Jan. 14 Outlook 2007 New Features classes scheduled Jan. 15 and Feb. 3 Barn Dance Jan. 18 Intermediate/Advanced Python Programming - Jan. 27 - 29 Conflict Management & Negotiation Skills class being offered Feb.3 PowerPoint 2007: New Features class Feb. 3 Facilitating Meetings That Work class offered Feb. 4 Word 2007: New Features class Feb. 4 Excel 2007: New Features class Feb. 4 Interpersonal Communication Skills class Feb. 5 Submit an announcement Additional Activities