

Calendar

Monday, January 10

2:30 p.m. Particle Astrophysics Seminar - Curia II

Speaker: K. Sigurdson, California Institute of Technology

Title: How Dark is Dark? Electromagnetic Interactions in the Dark Sector

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. All Experimenters' Meeting - Curia II

Special Topics: Site Access; Snow Removal

Tuesday, January 11

11:00 a.m. Research Techniques Seminar - Curia II

Speaker: T. Matsumoto, Tokyo Metropolitan University

Title: Particle Identification at Belle: Present Status and Upgrade Plan

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wilson Hall Cafe

Monday, January 10

Minestrone

Chicken & Mushroom Cheese Steak
\$4.75

Baked Chicken Enchiladas \$3.75

Pasta Primavera \$3.75

Smoked Turkey Panini Pesto Mayo \$4.75

Assorted Sliced Pizza \$2.75

Pacific Rim Rice Bowl \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#) will be closed through January

Six Fermilab Physicists Receive APS Fellow Award



Fermilab's 2004 APS Fellows include (from left) Peter Cooper, Bob Bernstein, Bob Tschirhart and Mike Syphers (not pictured: Victor Yarba and Arlene Lennox). (Click on image for larger version.)

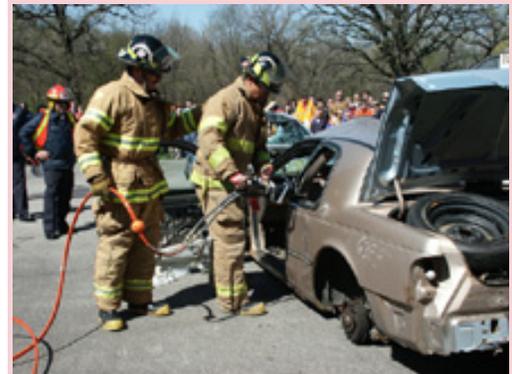
Fewer than one-half of one percent of the members of the American Physical Society receive recognition as a Fellow, but [Fermilab scientists](#) Mike Syphers of the Accelerator Division, Bob Tschirhart of the Computing Division, Arlene Lennox of the Accelerator Division, Bob Bernstein of the Particle Physics Division, Peter Cooper of the Computing Division and Victor Yarba of the Technical Division have earned that honor for 2004.

Currently, the APS has about 40,000 members overall, of which 205 have received the Fellow award this past year. However, Fermilab employees were 3 of the 17 new Fellows associated with the APS Division of Particles and Fields, 2 of the 7 with the Division of Physics of Beams, and 1 of the 3 in the APS General category.

"The APS Fellowship is a mark of prestige in our field that's recognized across all the fields of physics, not just high energy

Safety Tip of the Week

Teamwork



Teamwork is essential to the safety of people involved in emergency responses. (Click on image for larger version.)

Inattentiveness is a major factor in most accidents. As noted in a [previous article](#), this is due to the mental shortcuts that we all use to selectively block out normally unneeded information. What can we do to deal with inattentiveness? We can encourage workers to watch out for each other. This approach is often applied in structured or high hazard situations. However, it can also be used wherever two or more people work in proximity to each other.

Fermilab Fire Captain Chuck Kuhn notes that continuous communication and teamwork are essential to the safety of people involved in emergency responses. For example, it's common practice for one firefighter to carry a ladder while another watches for slip/trip hazards and overhead wiring. Chuck adds that firefighters share results from their inspections so there will be fewer surprises in an emergency.

Fermilab Legal Counsel Gary Leonard is a Colonel in the Air Force Reserve. He

and February

Weather



Cloudy 30°/27°

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

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physics," said Fermilab Director Mike Witherell, who was in charge of Fermilab's nominations. "Fermilab physicists receive a good fraction of the Fellowships in the areas of particle physics and accelerator physics. This shows that Fermilab is competing well and attracting some of the best physicists in these areas, and we need that talent to stay at the top of our field."

"After Fermilab's nominations, the physicists must be approved by a series of APS committees in order to receive the Fellow award," said Roy Rubinstein, Fermilab Assistant Director and Chair of the Fermilab Awards Committee (which makes recommendations to the Director). In determining who receives the award, the APS considers scientists' contributions to original research, or the application of physics to science and technology in their respective fields over the past year.

Witherell said that it was not difficult to find excellent candidates here. "We look at the people who don't already have APS Fellowships, and find several names that lead us to ask, 'how could they not have an APS Fellowship already?' We nominate these, and although not everyone we nominate receives one the first year, the rest are very likely to get it the next year."

Accelerator Update

credits teamwork, including the wingman system, as a key ingredient to military aviation safety. Gary adds that it's important for everyone on a team to understand each other's jobs. That way all members can recognize errors or perform as substitutes.

Fermilab Associate Director Jed Brown was a General in the Army Corps of Engineers. He points out that good troop leaders will often pair soldiers into teams so they can watch out for each other. They are responsible for checking the proper use of equipment and procedures, as well as generally protecting each other from harm. To prevent accidents, Jed encourages greater reliance on the buddy system at Fermilab.

Have a great day and let's work safely all week!

[Safety Tip of the Week Archive](#)

Announcements

Upcoming Classes

January 19 - Editing HTML for Admin. Profs.

January 25 & 26 - Behavioral Interviewing (Talent Selection) two half-days

[more information](#)

URA Scholarship Applications Now Available

Applications are [available online](#) January 1 through March 1. Scholarships will be awarded in early April. URA Scholarships are awarded on the basis of SAT scores to children of regular, full-time Fermilab employees. Questions about the program may be directed to Jeannelle Smith of Human Resources, x4367.

Weekly Fermilab Proton Driver Meeting

January 5-January 7

- Operations established one store during this 48 hour period. It provided approximately 26 hours and 39 minutes of luminosity to the experiments.
- LAM42 caused problems
- MBEX was also a source of problems

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

In the News

FYI: AIP Bulletin of Science Policy News, January 7, 2004 **Looking Back: Major Science Budget and Policy Developments in 2004**

Before turning to 2005, here is a final review of major science budget and policy developments in 2004. Readers interested in reading the full FYI from which these items were taken can do so by consulting the "FYI This Month" for the month cited, which is [available online](#).

[read more](#)

From *Japan Today*, January 7, 2004

Team boosts particle accelerator performance

TOKYO — A Japanese research team has developed the world's first technology to dramatically boost the performance of synchrotrons, circular particle accelerators used in experiments to find out more about subatomic particles, a team member said Friday.

[read more](#)

There will be a weekly Fermilab Proton Driver meeting commencing on Wednesday January 12, 2005 in WH 1-West from 2:30 pm - 3:30 pm. The agenda for these meetings will include topics related to the 8 GeV Superconducting Linac design and particle physics which can be done with high power proton beams. If you would like to receive meeting announcements in the future via e-mail please reply to mbruce@fnal.gov.

Scottish Country Dancing

Scottish Country Dancing will be held at 7:30 p.m., Tuesday, January 11, at the Geneva American Legion Post. Info at 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

Country Line Dancing Classes

Learn the Newest (and some good ole oldies) Country Line Dances taught by Randy and Mary Love. Class Begins January 20 through February 24. Classes are held on Thursdays in the Village Kuhn Barn from 6PM - 7PM. This 6 week session is \$30.00. Beginners and Intermediate levels are welcome. No Rec. Fac. Membership Needed. Register in the Recreation Office. The deadline is January 14.

[more information](#)

Tommy Gun's Garage St. Valentine's Day Massacre Adult Outing

Fermilab Recreation presents Tommy Gun's Garage St. Valentine's Day Massacre, Prohibition Era Speakeasy Dinner and Show, Saturday, February 12, 2005 in Chicago. Registration deadline is January 17.

[more information](#)

