

Calendar

Monday, September 19

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

Speaker: S. Burles, Massachusetts
Institute of Technology

Title: The SDSS Lens+ACS (SLACS)
Survey for Strong Galaxy-Galaxy
Gravitational Lensing

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

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

Tuesday, September 20

11:00 a.m. Computing Techniques
Seminar-FCC1

Speaker: M. Branco, CERN

Title: Developing a Data Management
System for the ATLAS Experiment

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

Note: There will be no Accelerator
Physics and Technology Seminar today

Weather



Thunderstorms **84°/57°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secou Level 3](#)

Wilson Hall Cafe

Colloquium Demonstrates Physics Through Football



Props for Wednesday's "Football Physics"
colloquium.

Using a helmet, a football and a horde of athletic terms, Tim Gay gave Fermilab employees a lesson on Wednesday about reaching an audience more interested in tailgating than physical theories. For five years, Gay, a physics professor at the University of Nebraska - Lincoln, conducted a series of one-minute physics lessons to the 78,000 fans who attended the Nebraska Cornhuskers home football games. During a pause in the action, the stadium's big-screen cameras focused on Gay, who demonstrated Newton's laws, projectile motion and other physics basics through tackling, blocking, running and punting.

Gay played some of his clips to the colloquium audience, emphasizing that although scientific ideas are simplified by squeezing them into one-minute spots, he hopes his efforts helped raise scientific literacy. "It's important for a working physicist to try to communicate to the public why what we're doing is exciting, why it's important and why they should be interested as well," he said.

Safety Tip of the Week

Aggressive Driving

Aggressive driving can be characterized by excessive speed, frequent or unsafe lane changes, failing to signal, tailgating, failing to yield the



right of way, disregarding traffic controls, driving impaired as well as the ever-popular, rude gesturing. The National Highway Transportation Safety Administration estimates that one-third of traffic crashes and two-thirds of resulting deaths can be attributed to aggressive driving. Small wonder that the public has identified it as the number one problem on the nation's roadways.

There are some basic things that you can do to reduce your chances of ever getting involved in an aggressive driving incident. First, observe common courtesy and consciously avoid actions that can provoke other drivers. Second, take measures to reduce your own stress so that you are less likely to feel aggressive yourself. You can also try to adjust your attitude about why other drivers are behaving the way they are. Finally, keep your emotions in check and think about the consequences of your behavior before you react. Aggressive driving on your part only leads to more aggressive driving by others.

When confronted with an aggressive driver you can take the following steps:

Monday, September 19

- Minestrone
- Chicken & Mushroom Cheese Steak
- Baked Chicken Enchiladas
- Pot Roast
- BLT Ranch Wrap
- Assorted Slice Pizza
- Chicken Stir Fry

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

[Wilson Hall Cafe Menu](#)

Chez Leon

Wednesday, September 21

Lunch

- Spiced Cornish Hens
- Balsamic Rice w/Vegetables
- Bishop's Cake

Thursday, September 22

Dinner

- Coquille St. Jacques
- White Bean & Fennel Puree
- Julienne of Summer Squashes
- Almond Baklava

[Chez Leon Menu](#)

Call x4512 to make your reservation.

Search

[Search the Fermilab Today Archive](#)

Info

Before the first big-screen physics lessons ran, Gay said he experienced a "Carl Sagan phobia" about popularizing science. "There was a concern I had that if I started doing this, people would stop taking me seriously as a physicist," said Gay, whose research is focused on electron scattering. The stadium physics lessons ended in 2003, after seasons of support from the crowd and his colleagues.

Gay continues to make "Football Physics" demonstrations to groups of cub scouts and other organizations, using a melon and a football to show impulse and a runner's mass and acceleration to demonstrate force. "When I do this with cub scouts, probably 90 percent of them understand 20 percent of what I say," he said. "But that's OK, because we got them thinking."

—*Kendra Snyder*



Time Gay addresses colloquium guests. (Click on image for larger version.)

In the News

- Get out of the way
- Put your pride in the back seat
- Avoid eye contact
- Ignore gestures

[Safety Tip of the Week Archive](#)

Milestones

Retired

- Thomas Golaszewski, ES&H, 9/16/05

Accelerator Update

September 14 - 16

- During this 48 hour period Operations established two stores that combined with an existing store provided the experiments with approximately 41 hours and 39 minutes of luminosity
- Pbar losses on Recycler stash
- H- Source problems

[Read the Current Accelerator Update](#)

[Read the Early Bird Report](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Note the Change in Date for World Year of Physics Classroom

Presentations

Brown Bag Orientation has been rescheduled for September 19, from 12:00-1:00 pm, Curia II.

Upcoming Classes

September 27: Excel Intermediate
September 28: Word Intermediate
October 11: Excel Advanced
October 12: Word Advanced
October 11 & 26: Interpersonal Communication Skills

[More Information](#)

[Upcoming Activities](#)

Fermilab Today is online at:

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From *MSNBC online*, September 14, 2005:

Massive black hole spotted without galaxy, Scientists puzzled by strange cosmic setup

In a strange reversal, astronomers have detected a massive black hole but can find no traces of the surrounding galaxy that should be feeding it.

At the center of most large galaxies, our own Milky Way included, are extremely dense black holes that have masses hundreds of millions times that of the Sun.

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