

## PHYSICS COLLOQUIUM

*Partially funded by the GSFEI*

Dr. John Womersley  
Fermi National Accelerator Lab

### “POSTCARDS FROM THE ENERGY FRONTIER”

Monday, January 12, 2004

4:00 P.M., Ronald Geballe Auditorium, A-102, PAA  
Reception at 3:45 p.m. in the lobby

**Abstract:** The Fermilab Tevatron collider is the world's highest energy particle accelerator. I will report on some of the latest results from the D0 experiment ([www-d0.fnal.gov](http://www-d0.fnal.gov)); D0 is one of two large detectors observing particle collisions at the Tevatron. After a somewhat slow start, the collider is now delivering large amounts of data to the experiments, and we are exploring new territory in terms of possible discoveries. I will outline some of D0's new results and prospects, and explain how our experiments at the Tevatron relate to some big questions about the cosmos --- like the nature of dark matter and whether we can measure the structure of space-time.

Tuesday, January 13, 2004

**Particle Theory Seminar**  
2:30 P.M., Rm. C-421 PAT

Csaba Csaki, Cornell University  
"ELECTROWEAK SYMMETRY BREAKING FROM EXTRA DIMENSIONS"

Thursday, January 15, 2004

**Astronomy Colloquium**  
4:00 P.M., Rm. A-102, PAA

Nicole Silvestri, UW Astronomy Department  
"THE CHROMOSPHERIC ACTIVITY-AGE RELATION FOR M DWARF STARS IN WIDE BINARY SYSTEMS"

**SEMINARS**  
January 12-16, 2004